



**FORM DQP 2.01-1
LEVEL 1 CHECK PRINT SIGN-OFF SHEET**

Client Name: Ohio Department of Transportation

Job Title: Cleveland Innerbelt Design-Build Contract

Job Number: CUY-90-14.90

Document Title: Unit 2 - Walsh C.W. check - Load Combo.

Check Level (Mark One): 1A 100% Document Check spreadsheets
G1 - G5
 1B 100% Input Check

Enter description below:

	Print Name	Signature	Date
<input checked="" type="checkbox"/> Originator	<u>David Glastetter</u>	<u><i>[Signature]</i></u>	<u>5/9/12</u>
<input checked="" type="checkbox"/> Checker	<u>SARAH LARSON</u>	<u><i>[Signature]</i></u>	<u>5-10-12</u>
<input checked="" type="checkbox"/> Backchecker	<u>David Glastetter</u>	<u><i>[Signature]</i></u>	<u>5/11/12</u>
<input checked="" type="checkbox"/> Updater	<u>David Glastetter</u>	<u><i>[Signature]</i></u>	<u>5/11/12</u>
<input checked="" type="checkbox"/> Validator	<u>SARAH LARSON</u>	<u><i>[Signature]</i></u>	<u>5-11-12</u>

Insert an "X" in the box to indicate a required QC activity.

For : Cleveland Innerbelt		Sheet No. :	
Made by : DJG	Date : 5/9/2012	Job No. :	49633
Checked by : SJL	Date : 5/10/2012		
Backchecked by : DJG	Date : 5/10/2012		



\\kcow00\Jobs\49633\Bridges\Design\Final Design\Unit 2\Walsh CW Check\GIRDER 1\LoadCombinations.xlsm\Load Combinations

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.25	1.50	1.75	1.75	1.00			0.50	1.00
	Min.	0.90	0.65	1.75	1.75	1.00			0.50	1.00
	Max.	1.25	1.50	1.75	1.75	1.00			0.50	
	Min.	0.90	0.65	1.75	1.75	1.00			0.50	
Strength III	Max.	1.25	1.50			1.00	1.40		0.50	1.00
	Min.	0.90	0.65			1.00	1.40		0.50	1.00
	Max.	1.25	1.50			1.00	1.40		0.50	
	Min.	0.90	0.65			1.00	1.40		0.50	
Strength IV	Max.	1.50	1.50			1.00			0.50	
	Min.	0.90	0.65			1.00			0.50	
Strength V	Max.	1.25	1.50	1.35	1.35	1.00	0.40	1.00	0.50	1.00
	Min.	0.90	0.65	1.35	1.35	1.00	0.40	1.00	0.50	1.00
	Max.	1.25	1.50	1.35	1.35	1.00	0.40	1.00	0.50	
	Min.	0.90	0.65	1.35	1.35	1.00	0.40	1.00	0.50	

$$\begin{aligned} \eta_i &= 1.05 \\ \eta_r &= 1 \\ \eta_d &= 1 \\ \eta_{total} &= 1.050 \end{aligned}$$

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95
	Max.	1.31	1.58	1.84	1.84	1.05			0.00	
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	
Strength III	Max.	1.31	1.58			1.05	1.47		0.53	1.05
	Min.	0.86	0.62			0.95	1.33		0.48	0.95
	Max.	1.31	1.58			1.05	1.47		0.53	
	Min.	0.86	0.62			0.95	1.33		0.48	
Strength IV	Max.	1.58	1.58			1.05			0.53	
	Min.	0.86	0.62			0.95			0.48	
Strength V	Max.	1.31	1.58	1.42	1.42	1.05	0.42	1.05	0.53	1.05
	Min.	0.86	0.62	1.29	1.29	0.95	0.38	0.95	0.48	0.95
	Max.	1.31	1.58	1.42	1.42	1.05	0.42	1.05	0.53	
	Min.	0.86	0.62	1.29	1.29	0.95	0.38	0.95	0.48	

Fatigue I	Max/Min	1.5								
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P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
1000	1.00	1000	1.00
1017	1.06	1017	1.06
1018	1.02	1018	1.03
1019	1.01	1019	1.02
1020	1.00	1021	1.00
1021	1.00	1036	1.01
1036	1.02	1037	1.02
1037	1.02	1039	1.03
1038	1.02	1040	1.05
1039	1.03	1041	1.07
1040	1.04	1042	1.00
1041	1.06	1051	1.15
1042	1.00	1052	1.06
1051	1.13	1053	1.03
1052	1.06	1054	1.02
1053	1.03	1055	1.01
1055	1.01	1057	1.00
1056	1.00	1072	1.01
1090	1.03	1075	1.03
1091	1.02	1077	1.00
1092	1.01	1089	1.08
1095	1.00	1091	1.02
1110	1.01	1094	1.00
1112	1.02	1110	1.01
1113	1.03	1113	1.03
1114	1.05	1115	1.11
1115	1.10	1116	1.00
1116	1.00	1129	1.07
1127	1.06	1130	1.04
1130	1.03	1131	1.03
1133	1.00	1133	1.00
1163	1.01	1184	1.02
1168	1.00	1185	1.03
1184	1.02	1186	1.04
1185	1.03	1187	1.08
1186	1.04	1189	1.00
1187	1.08	1199	1.03

P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
1189	1.00	1202	1.02
1199	1.03	1203	1.01
1202	1.02	1205	1.00
1203	1.01	1222	1.01
1205	1.00	1224	1.03
1222	1.01	1225	1.00
1224	1.04	1234	1.03
1225	1.00	1238	1.01
1234	1.03	1241	1.00
1236	1.02	1255	1.01
1237	1.01	1257	1.02
1241	1.00	1258	1.03
1253	1.01	1259	1.05
1257	1.02	1261	1.00
1258	1.03	1272	1.07
1259	1.04	1274	1.04
1261	1.00	1275	1.03
1272	1.05	1277	1.02
1276	1.03	1279	1.00
1277	1.02	1291	1.02
1279	1.02	1292	1.02
1280	1.00	1293	1.03
1291	1.01	1294	1.05
1292	1.02	1295	1.14
1294	1.03	1296	1.00
1295	1.05	1313	1.00
1296	1.08		
1298	1.00	3000	1.00
1313	1.00	3017	1.06
3000	1.00	3018	1.03
3017	1.06	3019	1.02
3018	1.02	3021	1.00
3019	1.01	3036	1.01
3020	1.00	3037	1.02
3021	1.00	3039	1.03
3036	1.02	3040	1.05
3037	1.02	3041	1.07
3038	1.02	3042	1.00
3039	1.03	3051	1.15

P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
3040	1.04	3052	1.06
3041	1.06	3053	1.03
3042	1.00	3054	1.02
3051	1.13	3055	1.01
3052	1.06	3057	1.00
3053	1.03	3072	1.01
3055	1.01	3075	1.03
3056	1.00	3077	1.00
3090	1.03	3089	1.08
3091	1.02	3091	1.02
3092	1.01	3094	1.00
3095	1.00	3110	1.01
3110	1.01	3113	1.03
3112	1.02	3115	1.11
3113	1.03	3116	1.00
3114	1.05	3129	1.07
3115	1.10	3130	1.04
3116	1.00	3131	1.03
3127	1.06	3133	1.00
3130	1.03	3184	1.02
3133	1.00	3185	1.03
3163	1.01	3186	1.04
3184	1.02	3187	1.08
3185	1.03	3189	1.00
3186	1.04	3199	1.03
3187	1.08	3202	1.02
3189	1.00	3203	1.01
3199	1.03	3205	1.00
3202	1.02	3222	1.01
3203	1.01	3224	1.03
3205	1.00	3225	1.00
3222	1.01	3234	1.03
3224	1.04	3238	1.01
3225	1.00	3241	1.00
3235	1.03	3255	1.01
3236	1.02	3257	1.02
3237	1.01	3258	1.03
3240	1.00	3259	1.05
3255	1.01	3262	1.00

P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
3257	1.02	3272	1.07
3258	1.03	3274	1.04
3259	1.04	3276	1.03
3262	1.00	3279	1.02
3272	1.04	3280	1.00
3276	1.03	3293	1.02
3277	1.02	3294	1.02
3280	1.00	3295	1.03
3293	1.01	3296	1.05
3294	1.02	3297	1.14
3296	1.03	3298	1.00
3297	1.05	3316	1.00
3298	1.08		
3300	1.00	5000	1.00
3316	1.00	5017	1.06
5000	1.00	5018	1.03
5017	1.06	5019	1.02
5018	1.02	5021	1.00
5019	1.01	5036	1.01
5020	1.00	5037	1.02
5021	1.00	5039	1.03
5036	1.02	5040	1.05
5037	1.02	5041	1.07
5038	1.02	5042	1.00
5039	1.03	5051	1.15
5040	1.04	5052	1.06
5041	1.06	5053	1.03
5042	1.00	5054	1.02
5051	1.13	5055	1.01
5052	1.06	5057	1.00
5053	1.03	5072	1.01
5055	1.01	5075	1.03
5056	1.00	5077	1.00
5090	1.03	5089	1.08
5091	1.02	5091	1.02
5092	1.01	5094	1.00
5095	1.00	5110	1.01
5110	1.01	5113	1.03
5112	1.02	5115	1.11

P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
5113	1.03	5116	1.00
5114	1.05	5129	1.07
5115	1.10	5130	1.04
5116	1.00	5131	1.03
5127	1.06	5133	1.00
5130	1.03	5184	1.02
5133	1.00	5185	1.03
5163	1.01	5186	1.04
5184	1.02	5187	1.08
5185	1.03	5189	1.00
5186	1.04	5199	1.03
5187	1.08	5202	1.02
5189	1.00	5203	1.01
5199	1.03	5205	1.00
5202	1.02	5222	1.01
5203	1.01	5224	1.03
5205	1.00	5225	1.00
5222	1.01	5233	1.03
5224	1.04	5237	1.01
5225	1.00	5240	1.00
5234	1.03	5255	1.01
5235	1.02	5256	1.02
5236	1.01	5258	1.03
5239	1.00	5259	1.05
5254	1.01	5262	1.00
5256	1.02	5271	1.07
5258	1.03	5273	1.04
5259	1.04	5275	1.03
5262	1.00	5278	1.02
5271	1.04	5279	1.00
5275	1.03	5290	1.02
5276	1.02	5291	1.02
5278	1.00	5292	1.03
5290	1.01	5293	1.05
5291	1.02	5294	1.14
5293	1.03	5295	1.00
5294	1.05	5313	1.00
5295	1.08		
5297	1.00	7000	1.00

P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
5313	1.00	7017	1.06
7000	1.00	7018	1.03
7017	1.06	7019	1.02
7018	1.02	7021	1.00
7019	1.01	7036	1.01
7020	1.00	7037	1.02
7021	1.00	7039	1.03
7036	1.02	7040	1.05
7037	1.02	7041	1.07
7038	1.02	7042	1.00
7039	1.03	7051	1.15
7040	1.04	7052	1.06
7041	1.06	7053	1.03
7042	1.00	7054	1.02
7051	1.13	7055	1.01
7052	1.06	7057	1.00
7053	1.03	7072	1.01
7055	1.01	7075	1.03
7056	1.00	7077	1.00
7090	1.03	7089	1.08
7091	1.02	7091	1.02
7092	1.01	7094	1.00
7095	1.00	7110	1.01
7110	1.01	7113	1.03
7112	1.02	7115	1.11
7113	1.03	7116	1.00
7114	1.05	7129	1.07
7115	1.10	7130	1.04
7116	1.00	7131	1.03
7127	1.06	7133	1.00
7130	1.03	7184	1.02
7133	1.00	7185	1.03
7163	1.01	7186	1.04
7184	1.02	7187	1.08
7185	1.03	7189	1.00
7186	1.04	7199	1.03
7187	1.08	7202	1.02
7189	1.00	7203	1.01
7199	1.03	7205	1.00

P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
7202	1.02	7222	1.01
7203	1.01	7224	1.03
7205	1.00	7225	1.00
7222	1.01	7233	1.03
7224	1.04	7237	1.01
7225	1.00	7240	1.00
7234	1.03	7253	1.01
7235	1.02	7255	1.02
7236	1.01	7256	1.03
7239	1.00	7257	1.05
7253	1.01	7260	1.00
7255	1.02	7269	1.07
7256	1.03	7270	1.04
7257	1.04	7272	1.03
7260	1.00	7275	1.02
7269	1.04	7276	1.00
7272	1.03	7288	1.02
7273	1.02	7289	1.02
7275	1.00	7290	1.03
7288	1.01	7291	1.05
7289	1.02	7292	1.14
7291	1.03	7293	1.00
7292	1.05	7311	1.00
7293	1.08		
7295	1.00	9000	1.00
7311	1.00	9017	1.06
9000	1.00	9018	1.03
9017	1.06	9019	1.02
9018	1.02	9021	1.00
9019	1.01	9036	1.01
9020	1.00	9037	1.02
9021	1.00	9039	1.03
9036	1.02	9040	1.05
9037	1.02	9041	1.07
9038	1.02	9042	1.00
9039	1.03	9051	1.15
9040	1.04	9052	1.06
9041	1.06	9053	1.03
9042	1.00	9054	1.02

P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
9051	1.13	9055	1.01
9052	1.06	9057	1.00
9053	1.03	9072	1.01
9055	1.01	9075	1.03
9056	1.00	9077	1.00
9090	1.03	9089	1.08
9091	1.02	9091	1.02
9092	1.01	9094	1.00
9095	1.00	9110	1.01
9110	1.01	9113	1.03
9112	1.02	9115	1.11
9113	1.03	9116	1.00
9114	1.05	9129	1.07
9115	1.10	9130	1.04
9116	1.00	9131	1.03
9127	1.06	9133	1.00
9130	1.03	9184	1.02
9133	1.00	9185	1.03
9163	1.01	9186	1.04
9184	1.02	9187	1.08
9185	1.03	9189	1.00
9186	1.04	9199	1.03
9187	1.08	9202	1.02
9189	1.00	9203	1.01
9199	1.03	9205	1.00
9202	1.02	9222	1.01
9203	1.01	9224	1.03
9205	1.00	9225	1.00
9222	1.01	9232	1.03
9224	1.04	9236	1.01
9225	1.00	9240	1.00
9232	1.03	9254	1.01
9233	1.02	9256	1.02
9235	1.01	9257	1.03
9239	1.00	3259	1.05
9254	1.01	9261	1.00
9255	1.02	9269	1.07
9256	1.03	9270	1.04
9258	1.04	9272	1.03

P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
9261	1.00	9275	1.02
9269	1.04	9276	1.00
9272	1.03	9288	1.02
9273	1.02	9289	1.02
9275	1.00	9290	1.03
9288	1.01	9291	1.05
9289	1.02	9292	1.14
9291	1.03	9293	1.00
9292	1.05	9312	1.00
9293	1.08		
9295	1.00		
9312	1.00		

VLOOKUP NAME 1	MEMBER 2	JOINT 3	FX kips 4	FY kips 5	FZ kips 6	MX kip-ft 7	MY kip-ft 8	MZ kip-ft 9
1000_1000	1000	1000	61.084	425.706	0.167	-7.634	0	-342.56
1000_1001	1000	1001	-18.947	-368.878	-0.167	7.634	-2.847	6904.883
1001_1001	1001	1001	18.942	368.872	0.163	4.746	2.847	-6904.86
1001_1002	1001	1002	3.009	-332.603	-0.163	-4.746	-4.616	10610.65
1002_1002	1002	1002	-3.06	308.045	0.656	-7.173	4.616	-10609.8
1002_1003	1002	1003	22.617	-267.3	-0.656	7.173	-12.615	14027.68
1003_1003	1003	1003	-22.616	267.295	0.654	3.549	12.615	-14027.7
1003_1004	1003	1004	37.314	-226.546	-0.654	-3.549	-20.593	16971.39
1004_1004	1004	1004	-37.26	206.176	0.53	-9.016	20.593	-16970.1
1004_1005	1004	1005	50.513	-165.416	-0.53	9.016	-27.052	19175.77
1005_1005	1005	1005	-50.514	165.41	0.528	5.742	27.052	-19175.8
1005_1006	1005	1006	58.905	-124.646	-0.528	-5.742	-33.488	20906.85
1006_1006	1006	1006	-58.909	100.406	0.093	-9.307	33.488	-20905.6
1006_1007	1006	1007	65.457	-59.664	-0.093	9.307	-34.621	21851.95
1007_1007	1007	1007	-65.457	59.659	0.091	7.546	34.621	-21852
1007_1008	1007	1008	67.146	-18.913	-0.091	-7.546	-35.731	22324
1008_1008	1008	1008	-67.137	-5.96	0.362	-7.476	35.731	-22323.2
1008_1009	1008	1009	67.349	46.685	-0.362	7.476	-40.144	22002.27
1009_1009	1009	1009	-67.349	-46.69	0.361	7.437	40.144	-22002.3
1009_1010	1009	1010	62.7	87.452	-0.361	-7.437	-44.543	21206.52
1010_1010	1010	1010	-62.699	-112.299	0.007	-15.253	44.543	-21206.1
1010_1011	1010	1011	56.461	153.036	-0.007	15.253	-44.633	19618.62
1011_1011	1011	1011	-56.461	-153.041	0.003	16.718	44.633	-19618.6
1011_1012	1011	1012	45.374	193.753	-0.003	-16.718	-44.675	17558.33
1012_1012	1012	1012	-45.375	-219.391	-0.672	6.802	44.675	-17558.3
1012_1013	1012	1013	31.917	260.14	0.672	-6.802	-36.483	14697.74
1013_1013	1013	1013	-31.918	-260.145	-0.67	-4.358	36.483	-14697.7
1013_1014	1013	1014	13.602	300.89	0.67	4.358	-28.315	11363.09
1014_1014	1014	1014	-13.599	-326.189	0.401	3.921	28.315	-11363.1
1014_1015	1014	1015	-16.129	382.109	-0.401	-3.921	-35.018	5575.598
1015_1015	1015	1015	14.334	-380.921	0.426	-2.627	35.965	-5535.78
1015_1016	1015	1016	-35.339	406.886	-0.426	2.626	-39.477	2365.218
1016_1016	1016	1016	70.952	-427.977	3.518	-0.432	32.669	-2496.97
1016_1017	1016	1017	-100.649	465.203	-3.518	0.408	-74.01	-2621.76
1017_1017	1017	1017	113.585	-463.128	3.522	1.099	74.186	2621.383
1017_1018	1017	1018	-142.056	507.983	-3.522	-1.139	-120.948	-8913.6
1018_1018	1018	1018	157.737	-523.548	-2.747	-10.212	120.212	8913.845
1018_1019	1018	1019	-177.157	567.848	2.747	10.278	-85.749	-15611.7
1019_1019	1019	1019	192.519	-564.808	-2.742	12.222	88.356	15612.44
1019_1020	1019	1020	-206.271	611.733	2.742	-12.149	-53.824	-22865.5
1020_1020	1020	1020	-2136.8	174.482	-4.908	-3.276	160.034	3992.955
1020_1021	1020	1021	2156.538	-143.779	4.908	3.276	-113.397	-2560.13
1021_1021	1021	1021	-2151.54	143.685	-2.235	-0.439	111.445	2535.748
1021_1022	1021	1022	2165.974	-120.764	2.235	0.439	-94.122	-1569.01
1022_1022	1022	1022	-2165.98	120.752	0.53	1.443	94.122	1569.008
1022_1023	1022	1023	2178.192	-97.834	-0.53	-1.443	-98.232	-771.2
1023_1023	1023	1023	-2178.17	79.049	-10.622	-0.487	98.232	771.186
1023_1024	1023	1024	2188.377	-55.39	10.622	0.487	-13.262	-274.519
1024_1024	1024	1024	-2188.38	55.378	-10.622	-0.487	13.262	274.519
1024_1025	1024	1025	2196.23	-31.718	10.622	0.487	71.708	42.275
1025_1025	1025	1025	-2196.24	28.327	-7.942	-0.422	-71.708	-42.275
1025_1026	1025	1026	2199.335	-4.67	7.942	0.422	135.231	161.813

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1026_1026	1026	1026	-2199.34	-12.373	-5.022	-0.498	-135.231	-161.806
1026_1027	1026	1027	2200.484	30.108	5.022	0.498	165.347	29.836
1027_1027	1027	1027	-2200.49	-30.117	-1.057	-0.329	-165.347	-29.835
1027_1028	1027	1028	2200.308	47.878	1.057	0.329	171.694	-203.622
1028_1028	1028	1028	-2200.31	-47.887	-1.446	-0.388	-171.694	203.622
1028_1029	1028	1029	2198.8	65.619	1.446	0.388	180.366	-537.806
1029_1029	1029	1029	-2198.8	-65.628	-1.057	-0.27	-180.366	537.806
1029_1030	1029	1030	2195.962	83.389	1.057	0.27	186.713	-973.826
1030_1030	1030	1030	-2195.95	-100.091	7.812	-0.319	-186.713	973.822
1030_1031	1030	1031	2190.59	123.738	-7.812	0.319	124.253	-1847.06
1031_1031	1031	1031	-2190.59	-123.75	8.099	-0.066	-124.253	1847.063
1031_1032	1031	1032	2182.864	147.426	-8.099	0.066	59.422	-2901.4
1032_1032	1032	1032	-2182.87	-147.438	7.812	-0.452	-59.422	2901.403
1032_1033	1032	1033	2172.792	171.085	-7.812	0.452	-3.039	-4134.22
1033_1033	1033	1033	-2172.84	-188.046	-5.68	-25.114	3.039	4134.363
1033_1034	1033	1034	2160.935	210.974	5.68	25.114	40.998	-5633.19
1034_1034	1034	1034	-2160.94	-210.986	-2.913	-18.059	-40.998	5633.217
1034_1035	1034	1035	2146.818	233.911	2.913	18.059	63.576	-7300.73
1035_1035	1035	1035	-2152.48	-234.007	17.887	49.971	-62.827	7328.618
1035_1036	1035	1036	2133.158	264.709	-17.887	-49.971	-107.131	-9620.3
1036_1036	1036	1036	171.928	502.318	2.088	-10.506	-9.731	30048.65
1036_1037	1036	1037	-162.468	-455.382	-2.088	10.547	-16.556	-24148.7
1037_1037	1037	1037	150.083	457.429	2.12	7.48	14.604	24147.96
1037_1038	1037	1038	-136.231	-413.085	-2.12	-7.443	-41.213	-18808.4
1038_1038	1038	1038	123.935	401.423	-3.067	-3.259	41.999	18809
1038_1039	1038	1039	-102.794	-356.578	3.067	3.229	-1.313	-13908.1
1039_1039	1039	1039	599.161	351.545	-1.282	1.386	17.244	11190.73
1039_1040	1039	1040	-590.783	-314.003	1.282	-1.353	-2.171	-7428.24
1040_1040	1040	1040	584.207	299.669	0.333	-0.085	2.255	7429.44
1040_1041	1040	1041	-552.452	-273.761	-0.333	0.073	-5.002	-5229.42
1041_1041	1041	1041	637.119	275.606	0.065	-0.554	9.097	4801.733
1041_1042	1041	1042	-539.262	-228.992	-0.065	0.554	-10.159	-1117.36
1042_1042	1042	1042	539.261	207.661	-0.056	2.003	10.159	1117.398
1042_1043	1042	1043	-471.831	-173.416	0.056	-2.003	-9.492	867.199
1043_1043	1043	1043	471.831	173.422	-0.007	-2.525	9.492	-867.199
1043_1044	1043	1044	-410.151	-139.179	0.007	2.525	-9.408	2464.418
1044_1044	1044	1044	410.163	114.454	0.168	2.744	9.408	-2464.47
1044_1045	1044	1045	-354.549	-80.216	-0.168	-2.744	-11.415	3378.91
1045_1045	1045	1045	354.549	80.222	0.216	-2.907	11.415	-3378.91
1045_1046	1045	1046	-304.68	-45.986	-0.216	2.907	-14.004	3906.205
1046_1046	1046	1046	304.688	23.211	-0.165	2.502	14.004	-3906.31
1046_1047	1046	1047	-257.139	11.049	0.165	-2.502	-12.021	3759.657
1047_1047	1047	1047	257.139	-11.044	-0.121	-2.19	12.021	-3759.66
1047_1048	1047	1048	-215.375	45.273	0.121	2.19	-10.577	3226.041
1048_1048	1048	1048	215.38	-67.405	0.007	3.106	10.577	-3226.1
1048_1049	1048	1049	-176.471	101.661	-0.007	-3.106	-10.665	2027.902
1049_1049	1049	1049	176.472	-101.655	0.101	-2.36	10.665	-2027.9
1049_1050	1049	1050	-143.341	135.877	-0.101	2.36	-11.875	443.893
1050_1050	1050	1050	143.332	-156.434	-0.179	-0.365	11.875	-443.872
1050_1051	1050	1051	-103.862	203.006	0.179	0.365	-8.962	-2682.52
1051_1051	1051	1051	104.226	-201.911	-0.114	2.883	8.67	2692.839
1051_1052	1051	1052	-89.103	226.134	0.114	-2.887	-7.731	-4538.71
1052_1052	1052	1052	94.697	-243.358	1.114	-2.682	7.613	4539.644

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1052_1053	1052	1053	-78.028	278.312	-1.114	2.705	-20.71	-7714.31
1053_1053	1053	1053	79.671	-276.913	2.529	6.934	22.725	7748.339
1053_1054	1053	1054	-78.028	321.273	-2.529	-6.951	-56.298	-11762.1
1054_1054	1054	1054	88.495	-334.413	-1.627	-4.898	55.552	11764.51
1054_1055	1054	1055	-93.803	378.003	1.627	4.945	-35.136	-16242.3
1055_1055	1055	1055	104.21	-375.29	-1.577	8.795	36.716	16245.45
1055_1056	1055	1056	-114.29	421.203	1.577	-8.744	-16.848	-21235.3
1056_1056	1056	1056	-1765.9	244.268	-2.578	-2.205	63.762	6415.015
1056_1057	1056	1057	1793.213	-213.897	2.578	2.205	-39.271	-4353.1
1057_1057	1057	1057	-1794.32	213.89	-1.178	1.173	39.769	4324.245
1057_1058	1057	1058	1814.379	-189.589	1.178	-1.173	-30.641	-2845.63
1058_1058	1058	1058	-1814.38	189.59	-1.178	1.173	30.641	2845.629
1058_1059	1058	1059	1832.348	-165.288	1.178	-1.173	-21.514	-1546.88
1059_1059	1059	1059	-1832.42	147.546	-9.42	-1.048	21.514	1546.908
1059_1060	1059	1060	1848.705	-122.429	9.42	1.048	53.909	-535.254
1060_1060	1060	1060	-1848.72	119.042	-7.109	0.501	-53.909	535.252
1060_1061	1060	1061	1860.477	-93.958	7.109	-0.501	110.753	265.307
1061_1061	1061	1061	-1860.49	93.959	-4.489	1.344	-110.753	-265.31
1061_1062	1061	1062	1870.026	-68.845	4.489	-1.344	146.687	874.835
1062_1062	1062	1062	-1870	52.496	-2.799	0.539	-146.687	-874.839
1062_1063	1062	1063	1876.033	-33.668	2.799	-0.539	163.484	1106.318
1063_1063	1063	1063	-1876.04	33.669	0.293	0.478	-163.484	-1106.32
1063_1064	1063	1064	1880.807	-14.874	-0.293	-0.478	161.731	1229.714
1064_1064	1064	1064	-1880.81	14.875	0.491	0.467	-161.731	-1229.71
1064_1065	1064	1065	1884.332	3.951	-0.491	-0.467	158.785	1245.462
1065_1065	1065	1065	-1884.33	-3.951	3.781	0.351	-158.785	-1245.46
1065_1066	1065	1066	1886.595	22.775	-3.781	-0.351	136.098	1153.284
1066_1066	1066	1066	-1886.57	-39.421	5.433	0.277	-136.098	-1153.3
1066_1067	1066	1067	1888.029	64.531	-5.433	-0.277	92.61	727.586
1067_1067	1067	1067	-1888.02	-64.53	7.9	0.946	-92.61	-727.588
1067_1068	1067	1068	1887.248	89.638	-7.9	-0.946	29.381	109.898
1068_1068	1068	1068	-1887.25	-89.638	7.758	0.861	-29.381	-109.898
1068_1069	1068	1069	1884.246	114.714	-7.758	-0.861	-32.632	-698.661
1069_1069	1069	1069	-1884.32	-131.891	3.632	-0.191	32.632	698.698
1069_1070	1069	1070	1879.258	156.211	-3.632	0.191	-60.79	-1798.83
1070_1070	1070	1070	-1879.26	-156.21	3.632	-0.191	60.79	1798.826
1070_1071	1070	1071	1872.101	180.53	-3.632	0.191	-88.947	-3079.09
1071_1071	1071	1071	-1869.92	-180.54	5.096	3.018	91.072	3104.159
1071_1072	1071	1072	1858.312	210.893	-5.096	-3.018	-139.454	-4920.11
1072_1072	1072	1072	73.881	470.058	0.814	-6.098	31.518	19388.29
1072_1073	1072	1073	-35.127	-424.499	-0.814	6.155	-41.78	-13933.2
1073_1073	1073	1073	23.556	427.217	0.856	5.287	40.441	13931.22
1073_1074	1073	1074	20.749	-384.062	-0.856	-5.235	-51.183	-9004.93
1074_1074	1074	1074	-32.392	371.105	-2.55	0.088	51.543	9003.958
1074_1075	1074	1075	79.907	-327.174	2.55	-0.119	-17.697	-4514.82
1075_1075	1075	1075	394.586	322.849	-0.836	-0.4	21.44	1915.369
1075_1076	1075	1076	-378.012	-288.474	0.836	0.419	-11.612	1553.727
1076_1076	1076	1076	371.849	270.158	-0.033	4.387	11.547	-1553.25
1076_1077	1076	1077	-348.318	-246.354	0.033	-4.394	-11.272	3572.036
1077_1077	1077	1077	318.527	248.417	0.14	-4.34	11.53	-3531.96
1077_1078	1077	1078	-272.036	-203.472	-0.14	4.34	-13.602	6670.858
1078_1078	1078	1078	272.029	183.593	0.142	4.721	13.602	-6670.99
1078_1079	1078	1079	-239.925	-149.484	-0.142	-4.721	-15.201	8398.285

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1079_1079	1079	1079	239.924	149.494	0.19	-5.158	15.201	-8398.29
1079_1080	1079	1080	-212.316	-115.356	-0.19	5.158	-17.34	9762.222
1080_1080	1080	1080	212.321	94.537	-0.137	5.235	17.34	-9762.5
1080_1081	1080	1081	-186.378	-60.402	0.137	-5.235	-15.795	10514.38
1081_1081	1081	1081	186.378	60.412	-0.091	-5.581	15.795	-10514.4
1081_1082	1081	1082	-164.961	-26.278	0.091	5.581	-14.766	10901.33
1082_1082	1082	1082	164.964	3.792	-0.095	9.824	14.766	-10901.6
1082_1083	1082	1083	-143.895	32.889	0.095	-9.824	-13.618	10625.12
1083_1083	1083	1083	143.895	-32.878	-0.01	-9.637	13.618	-10625.1
1083_1084	1083	1084	-128.052	69.556	0.01	9.637	-13.501	9927.297
1084_1084	1084	1084	128.057	-91.673	-0.125	8.666	13.501	-9927.54
1084_1085	1084	1085	-115.122	125.802	0.125	-8.666	-12.092	8638.255
1085_1085	1085	1085	115.122	-125.791	-0.034	-7.946	12.092	-8638.25
1085_1086	1085	1086	-106.71	159.918	0.034	7.946	-11.715	6984.303
1086_1086	1086	1086	106.706	-180.342	-0.377	5.149	11.715	-6984.42
1086_1087	1086	1087	-100.314	214.469	0.377	-5.149	-7.467	4724.95
1087_1087	1087	1087	100.313	-214.459	-0.286	-3.901	7.467	-4724.95
1087_1088	1087	1088	-98.444	248.583	0.286	3.901	-4.252	2100.925
1088_1088	1088	1088	98.442	-266.833	-0.017	0.652	4.252	-2100.98
1088_1089	1088	1089	-99.536	310.054	0.017	-0.652	-4.007	-2019.44
1089_1089	1089	1089	103.76	-308.878	-0.008	0.075	4.289	2045.222
1089_1090	1089	1090	-107.173	333.86	0.008	-0.079	-4.223	-4693.31
1090_1090	1090	1090	114.969	-352.633	0.776	-2.193	4.156	4694.009
1090_1091	1090	1091	-123.849	388.533	-0.776	2.21	-13.278	-9027.49
1091_1091	1091	1091	128.338	-385.935	1.933	3.016	13.983	9062.727
1091_1092	1091	1092	-141.941	429.906	-1.933	-3.052	-39.64	-14420.6
1092_1092	1092	1092	155.13	-440.627	-1.325	-14.163	38.273	14422.65
1092_1093	1092	1093	-166.379	483.947	1.325	14.206	-21.63	-20165.4
1093_1093	1093	1093	179.642	-480.17	-1.241	17.244	24.981	20168.22
1093_1094	1093	1094	-189.996	525.794	1.241	-17.198	-9.364	-26422.4
1094_1094	1094	1094	-2067.16	214.123	0.531	-4.646	-51.405	7058.028
1094_1095	1094	1095	2088.535	-183.964	-0.531	4.646	46.356	-5253.59
1095_1095	1095	1095	-2090.63	184.033	1.104	-3.166	-46.245	5263.822
1095_1096	1095	1096	2105.181	-160.014	-1.104	3.166	37.687	-3989.7
1096_1096	1096	1096	-2105.18	160.019	6.766	7.618	-37.687	3989.687
1096_1097	1096	1097	2117.707	-136.033	-6.766	-7.618	-14.697	-2895.11
1097_1097	1097	1097	-2117.78	119.361	-4.527	-2.395	14.697	2895.196
1097_1098	1097	1098	2128.646	-94.569	4.527	2.395	21.53	-2084.1
1098_1098	1098	1098	-2128.65	94.574	-1.75	0.773	-21.53	2084.097
1098_1099	1098	1099	2137.38	-69.782	1.75	-0.773	35.533	-1462.86
1099_1099	1099	1099	-2137.38	69.788	-1.75	0.773	-35.533	1462.857
1099_1100	1099	1100	2143.976	-44.996	1.75	-0.773	49.536	-1031.45
1100_1100	1100	1100	-2143.87	29.687	11.905	8.655	-49.536	1031.405
1100_1101	1100	1101	2147.754	-11.094	-11.905	-8.655	-21.913	-925.691
1101_1101	1101	1101	-2147.75	11.098	11.825	8.598	21.913	925.691
1101_1102	1101	1102	2150.432	7.464	-11.825	-8.598	-92.762	-926.657
1102_1102	1102	1102	-2150.42	-7.46	-14.008	-10.155	92.762	926.653
1102_1103	1102	1103	2151.903	26.059	14.008	10.155	-8.667	-1034.35
1103_1103	1103	1103	-2151.92	-26.055	-10.307	-7.242	8.667	1034.366
1103_1104	1103	1104	2152.205	44.653	10.307	7.242	53.208	-1248.89
1104_1104	1104	1104	-2152.19	-59.942	0.252	-1.975	-53.208	1248.892
1104_1105	1104	1105	2151.132	84.708	-0.252	1.975	51.19	-1824.38
1105_1105	1105	1105	-2151.13	-84.703	3.115	1.345	-51.19	1824.382

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1105_1106	1105	1106	2147.932	109.499	-3.115	-1.345	26.257	-2590.35
1106_1106	1106	1106	-2147.93	-109.493	3.115	1.345	-26.257	2590.35
1106_1107	1106	1107	2142.599	134.289	-3.115	-1.345	1.324	-3546.21
1107_1107	1107	1107	-2142.62	-150.536	-2.891	-2.473	-1.324	3546.249
1107_1108	1107	1108	2135.441	174.525	2.891	2.473	23.708	-4777.59
1108_1108	1108	1108	-2135.44	-174.52	-2.809	-2.271	-23.708	4777.585
1108_1109	1108	1109	2126.247	198.54	2.809	2.271	45.49	-6188.59
1109_1109	1109	1109	-2126.05	-198.487	-0.594	4.767	-46.357	6187.657
1109_1110	1109	1110	2111.563	228.647	0.594	-4.767	52.003	-8161.39
1110_1110	1110	1110	159.098	512.815	1.306	-19.454	7.732	27668.89
1110_1111	1110	1111	-136.163	-467.34	-1.306	19.513	-24.164	-21641.6
1111_1111	1111	1111	123.092	467.33	1.408	16.786	20.313	21639.55
1111_1112	1111	1112	-97.293	-424.194	-1.408	-16.732	-37.999	-16164.1
1112_1112	1112	1112	84.748	415.264	-1.893	-3.527	39.623	16163.2
1112_1113	1112	1113	-53.395	-371.436	1.893	3.493	-14.483	-11060
1113_1113	1113	1113	476.203	368.864	-1.161	2.726	20.775	8733.273
1113_1114	1113	1114	-464.344	-332.929	1.161	-2.725	-7.136	-4735.25
1114_1114	1114	1114	457.219	319.535	0.224	3.458	7.164	4735.976
1114_1115	1114	1115	-430.435	-294.638	-0.224	-3.462	-9.015	-2331.77
1115_1115	1115	1115	486.012	296.415	0.318	-1.592	9.221	1905.26
1115_1116	1115	1116	-416.806	-253.983	-0.318	1.592	-13.923	1845.904
1116_1116	1116	1116	416.81	234.631	-0.306	3.201	13.923	-1845.93
1116_1117	1116	1117	-367.442	-202.313	0.306	-3.201	-10.481	4079.04
1117_1117	1117	1117	367.442	202.327	-0.255	-3.598	10.481	-4079.04
1117_1118	1117	1118	-322.966	-170.009	0.255	3.598	-7.607	5969.51
1118_1118	1118	1118	322.966	150.281	-0.046	8.693	7.607	-5969.51
1118_1119	1118	1119	-279.982	-117.935	0.046	-8.693	-7.091	7281.624
1119_1119	1119	1119	279.982	117.949	0.054	-8.903	7.091	-7281.63
1119_1120	1119	1120	-241.93	-85.633	-0.054	8.903	-7.703	8249.805
1120_1120	1120	1120	241.929	63.886	-0.212	4.39	7.703	-8249.81
1120_1121	1120	1121	-202.634	-29.128	0.212	-4.39	-5.139	8628.905
1121_1121	1121	1121	202.634	29.144	-0.166	-4.169	5.139	-8628.91
1121_1122	1121	1122	-169.023	5.585	0.166	4.169	-3.137	8611.898
1122_1122	1122	1122	169.024	-27.149	-0.12	4.279	3.137	-8611.9
1122_1123	1122	1123	-139.146	59.493	0.12	-4.279	-1.781	7981.493
1123_1123	1123	1123	139.146	-59.478	-0.07	-3.705	1.781	-7981.49
1123_1124	1123	1124	-114.187	91.793	0.07	3.705	-0.988	7008.965
1124_1124	1124	1124	114.187	-114.735	-0.302	5.628	0.988	-7008.97
1124_1125	1124	1125	-94.351	147.079	0.302	-5.628	2.411	5435.071
1125_1125	1125	1125	94.351	-147.064	-0.201	-4.799	-2.411	-5435.07
1125_1126	1125	1126	-79.425	179.378	0.201	4.799	4.677	3519.928
1126_1126	1126	1126	79.421	-196.372	-0.581	0.312	-4.677	-3519.91
1126_1127	1126	1127	-63.931	236.442	0.581	-0.312	12.781	415.904
1127_1127	1127	1127	67.255	-235.32	-0.494	0.337	-12.515	-400.058
1127_1128	1127	1128	-61.575	258.519	0.494	-0.342	16.594	-1675.7
1128_1128	1128	1128	67.652	-271.961	1.957	-3.923	-16.739	1676.581
1128_1129	1128	1129	-64.671	305.358	-1.957	3.953	-6.274	-5116.04
1129_1129	1129	1129	74.538	-302.473	3.992	8.53	6.059	5110.706
1129_1130	1129	1130	-85.188	345.287	-3.992	-8.564	-59.053	-9403.4
1130_1130	1130	1130	97.368	-373.296	-8.31	-6.272	58.095	9405.848
1130_1131	1130	1131	-121.274	415.466	8.31	6.335	46.199	-14265.9
1131_1131	1131	1131	132.555	-411.655	-8.26	7.227	-44.908	14269.37
1131_1132	1131	1132	-154.044	456.2	8.26	-7.157	148.959	-19632.4

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1132_1132	1132	1132	-1719.23	203.947	33.802	16.373	-410.354	4849.43
1132_1133	1132	1133	1742.426	-174.562	-33.802	-16.373	89.232	-3146.11
1133_1133	1133	1133	-1746.58	174.473	31.383	11.942	-89.603	3166.182
1133_1134	1133	1134	1764.142	-152.227	-31.383	-11.942	-153.613	-1972.25
1134_1134	1134	1134	-1764.35	152.235	1.52	-25.935	153.613	1972.153
1134_1135	1134	1135	1779.624	-129.985	-1.52	25.935	-165.395	-941.309
1135_1135	1135	1135	-1779.68	109.629	-3.755	0.376	165.395	941.811
1135_1136	1135	1136	1792.422	-86.66	3.755	-0.376	-135.352	-209.397
1136_1136	1136	1136	-1792.42	86.669	-6.165	-0.771	135.352	209.397
1136_1137	1136	1137	1802.718	-63.699	6.165	0.771	-86.024	349.035
1137_1137	1137	1137	-1802.73	63.708	-3.755	-0.203	86.024	-349.035
1137_1138	1137	1138	1810.586	-40.739	3.755	0.203	-55.982	733.456
1138_1138	1138	1138	-1810.66	24.951	-3.577	-0.03	55.982	-733.455
1138_1139	1138	1139	1815.429	-7.752	3.577	0.03	-34.549	810.831
1139_1139	1139	1139	-1815.43	7.759	-0.294	0.187	34.549	-810.832
1139_1140	1139	1140	1818.836	9.468	0.294	-0.187	-32.786	790.542
1140_1140	1140	1140	-1818.84	-9.461	-0.294	0.187	32.786	-790.542
1140_1141	1140	1141	1820.867	26.688	0.294	-0.187	-31.023	672.381
1141_1141	1141	1141	-1820.87	-26.681	-3.507	-0.392	31.023	-672.381
1141_1142	1141	1142	1821.523	43.908	3.507	0.392	-9.973	456.339
1142_1142	1142	1142	-1821.53	-63.265	0.228	0.911	9.973	-456.33
1142_1143	1142	1143	1818.475	86.234	-0.228	-0.911	-11.8	-131.723
1143_1143	1143	1143	-1818.48	-86.225	0.228	0.911	11.8	131.723
1143_1144	1143	1144	1812.979	109.194	-0.228	-0.911	-13.628	-893.77
1144_1144	1144	1144	-1812.98	-109.185	-2.182	-1.532	13.628	893.77
1144_1145	1144	1145	1805.04	132.154	2.182	1.532	3.832	-1829.84
1145_1145	1145	1145	-1805	-148.266	-5.159	-0.755	-3.832	1829.816
1145_1146	1145	1146	1795.066	170.489	5.159	0.755	43.773	-3026.15
1146_1146	1146	1146	-1795.07	-170.48	-5.108	-0.647	-43.773	3026.145
1146_1147	1146	1147	1782.828	192.732	5.108	0.647	83.367	-4387.21
1147_1147	1147	1147	-1773.54	-192.802	-3.842	2.846	-82.98	4341.883
1147_1148	1147	1148	1755.932	222.191	3.842	-2.846	119.484	-6245.57
1148_1148	1148	1148	102.689	424.456	0.09	-8.14	-4.839	21146.17
1148_1149	1148	1149	-75.229	-380.099	-0.09	8.171	3.706	-16209.2
1149_1149	1149	1149	64.829	383.001	0.158	6.244	-5.227	16206.65
1149_1150	1149	1150	-33.439	-341.04	-0.158	-6.216	3.239	-11784.2
1150_1150	1150	1150	23.029	329.677	-0.014	-1.088	-2.606	11782.66
1150_1151	1150	1151	11.347	-287.012	0.014	1.07	2.792	-7796.69
1151_1151	1151	1151	487.61	282.246	-0.136	-0.316	-1.774	5072.317
1151_1152	1151	1152	-470.065	-248.334	0.136	0.303	3.369	-2103.48
1152_1152	1152	1152	464.757	234.423	-0.027	0.334	-3.376	2103.929
1152_1153	1152	1153	-433.703	-210.973	0.027	-0.334	3.599	-413.805
1153_1153	1153	1153	460.738	212.909	-0.007	-0.501	-3.622	270.861
1153_1154	1153	1154	-392.569	-174.88	0.007	0.501	3.72	2105.584
1154_1154	1154	1154	392.57	156.567	0.162	2.82	-3.72	-2105.6
1154_1155	1154	1155	-342.118	-126.122	-0.162	-2.82	1.934	3446.468
1155_1155	1155	1155	342.118	126.143	0.234	-3.067	-1.934	-3446.47
1155_1156	1155	1156	-296.78	-95.698	-0.234	3.067	-0.644	4472.89
1156_1156	1156	1156	296.783	77.715	0.011	3.522	0.644	-4472.91
1156_1157	1156	1157	-257.614	-49.982	-0.011	-3.522	-0.756	4944.47
1157_1157	1157	1157	257.614	50.001	0.089	-3.488	0.756	-4944.47
1157_1158	1157	1158	-222.721	-22.296	-0.089	3.488	-1.642	5155.045
1158_1158	1158	1158	222.72	4.956	0.09	3.284	1.642	-5155.06

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1158_1159	1158	1159	-189.597	22.776	-0.09	-3.284	-2.543	4921.312
1159_1159	1159	1159	189.597	-22.758	0.167	-3.016	2.543	-4921.31
1159_1160	1159	1160	-160.743	50.462	-0.167	3.016	-4.219	4427.296
1160_1160	1160	1160	160.744	-68.003	-0.097	0.263	4.219	-4427.33
1160_1161	1160	1161	-131.334	98.448	0.097	-0.263	-3.146	3380.595
1161_1161	1161	1161	131.334	-101.751	-0.097	0.263	3.146	-3380.6
1161_1162	1161	1162	-110.821	132.196	0.097	-0.263	-2.074	1997.887
1162_1162	1162	1162	110.819	-148.454	0.289	0.364	2.074	-1997.87
1162_1163	1162	1163	-89.216	186.482	-0.289	-0.364	-6.049	-407.532
1163_1163	1163	1163	92.635	-185.301	0.26	0.183	5.872	401.779
1163_1164	1163	1164	-83.97	208.781	-0.26	-0.186	-8.018	-2075.57
1164_1164	1164	1164	89.022	-222.676	0.045	0.312	8.028	2076.379
1164_1165	1164	1165	-80.922	256.488	-0.045	-0.309	-8.56	-4955.22
1165_1165	1165	1165	78.521	-253.562	1.123	0.467	2.733	5008.581
1165_1166	1165	1166	-82.269	296.085	-1.123	-0.508	-17.644	-8686.07
1166_1166	1166	1166	91.97	-308.141	-0.563	-4.909	17.213	8688.467
1166_1167	1166	1167	-101.616	349.941	0.563	4.956	-10.151	-12820.1
1167_1167	1167	1167	111.254	-346.13	-0.495	6.164	11.348	12823.64
1167_1168	1167	1168	-124.66	390.255	0.495	-6.112	-5.112	-17441.2
1168_1168	1168	1168	-1496.42	218.306	0.775	-1.435	-19.901	5093.022
1168_1169	1168	1169	1522.411	-189.113	-0.775	1.435	12.533	-3262.83
1169_1169	1169	1169	-1526.83	189.052	1.565	0.083	-13.276	3284.349
1169_1170	1169	1170	1546.265	-166.728	-1.565	-0.083	1.144	-1984.65
1170_1170	1170	1170	-1546.27	166.741	1.565	0.083	-1.144	1984.651
1170_1171	1170	1171	1563.304	-144.417	-1.565	-0.083	-10.988	-848.376
1171_1171	1171	1171	-1563.32	127.08	0.307	0.349	10.988	848.372
1171_1172	1171	1172	1578.186	-104.036	-0.307	-0.349	-13.447	15.177
1172_1172	1172	1172	-1578.19	104.05	-1.93	-0.446	13.447	-15.176
1172_1173	1172	1173	1590.487	-81.034	1.93	0.446	1.978	703.855
1173_1173	1173	1173	-1590.49	81.047	0.307	-0.405	-1.978	-703.855
1173_1174	1173	1174	1600.252	-58.003	-0.307	0.405	-0.482	1219.35
1174_1174	1174	1174	-1600.26	41.152	0.886	-0.186	0.482	-1219.37
1174_1175	1174	1175	1606.392	-23.869	-0.886	0.186	-5.799	1388.571
1175_1175	1175	1175	-1606.39	23.879	-2.035	0.67	5.799	-1388.57
1175_1176	1175	1176	1611.089	-6.595	2.035	-0.67	6.414	1459.826
1176_1176	1176	1176	-1611.09	6.606	0.886	-0.225	-6.414	-1459.83
1176_1177	1176	1177	1614.353	10.678	-0.886	0.225	1.097	1433.129
1177_1177	1177	1177	-1614.35	-10.667	0.886	-0.225	-1.097	-1433.13
1177_1178	1177	1178	1616.179	27.95	-0.886	0.225	-4.221	1308.481
1178_1178	1178	1178	-1616.19	-44.759	-0.994	0.012	4.221	-1308.48
1178_1179	1178	1179	1617.033	67.775	0.994	-0.012	3.726	853.44
1179_1179	1179	1179	-1617.03	-67.762	1.243	0.234	-3.726	-853.44
1179_1180	1179	1180	1615.325	90.806	-1.243	-0.234	-6.221	223.813
1180_1180	1180	1180	-1615.33	-90.792	1.243	0.234	6.221	-223.813
1180_1181	1180	1181	1611.065	113.836	-1.243	-0.234	-16.168	-579.947
1181_1181	1181	1181	-1611.08	-130.97	-2.324	0.806	16.168	579.981
1181_1182	1181	1182	1604.418	153.294	2.324	-0.806	1.847	-1657.23
1182_1182	1182	1182	-1604.42	-156.623	-2.324	0.806	-1.847	1657.228
1182_1183	1182	1183	1592.848	178.947	2.324	-0.806	19.862	-2913.81
1183_1183	1183	1183	-1582.9	-178.979	-2.975	-0.702	-19.008	2865.256
1183_1184	1183	1184	1565.655	208.169	2.975	0.702	47.274	-4638.21
1184_1184	1184	1184	87.265	396.637	0.37	5.275	-9.969	16817.09
1184_1185	1184	1185	-53.55	-352.786	-0.37	-5.229	5.306	-12218.1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1185_1185	1185	1185	43.79	356.562	0.298	-6.083	-4.128	12215.25
1185_1186	1185	1186	-6.991	-315.018	-0.298	6.124	0.381	-8105.15
1186_1186	1186	1186	-2.772	303.399	-0.483	-0.601	-0.895	8103.431
1186_1187	1186	1187	40.141	-261.153	0.483	0.573	7.312	-4446.4
1187_1187	1187	1187	411.471	258.196	-0.059	-0.664	3.651	1979.516
1187_1188	1187	1188	-396.404	-223.735	0.059	0.657	-2.955	733.977
1188_1188	1188	1188	391.574	208.492	-0.088	-2.139	2.956	-733.275
1188_1189	1188	1189	-366.053	-184.649	0.088	2.138	-2.234	2232.505
1189_1189	1189	1189	380.731	186.774	-0.133	0.734	2.3	-2239.37
1189_1190	1189	1190	-327.488	-146.562	0.133	-0.734	-0.466	4311.856
1190_1190	1190	1190	327.491	127.898	0.195	-4.241	0.466	-4311.85
1190_1191	1190	1191	-288.615	-95.729	-0.195	4.241	-2.607	5380.392
1191_1191	1191	1191	288.615	95.75	0.113	3.499	2.607	-5380.39
1191_1192	1191	1192	-254.76	-63.58	-0.113	-3.499	-3.854	6114.436
1192_1192	1192	1192	254.764	44.386	0.027	4.123	3.854	-6114.43
1192_1193	1192	1193	-226	-14.819	-0.027	-4.123	-4.129	6291.711
1193_1193	1193	1193	226	14.838	0.115	-4.406	4.129	-6291.71
1193_1194	1193	1194	-201.477	14.728	-0.115	4.406	-5.296	6186.424
1194_1194	1194	1194	201.49	-33.265	-0.157	0.082	5.296	-6186.51
1194_1195	1194	1195	-179.144	62.832	0.157	-0.082	-3.713	5603.049
1195_1195	1195	1195	179.144	-62.813	-0.157	0.082	3.713	-5603.05
1195_1196	1195	1196	-161.041	92.38	0.157	-0.082	-2.129	4737.009
1196_1196	1196	1196	161.017	-111.809	0.053	-1.683	2.129	-4736.94
1196_1197	1196	1197	-144.082	143.979	-0.053	1.683	-2.714	3251.792
1197_1197	1197	1197	144.082	-143.957	-0.03	2.246	2.714	-3251.79
1197_1198	1197	1198	-132.176	176.098	0.03	-2.246	-2.387	1433.907
1198_1198	1198	1198	132.193	-197.73	0.161	0.49	2.387	-1433.95
1198_1199	1198	1199	-126.613	237.942	-0.161	-0.49	-4.604	-1600.05
1199_1199	1199	1199	128.017	-236.476	0.125	0.099	4.315	1570.98
1199_1200	1199	1200	-127.118	261.246	-0.125	-0.104	-5.345	-3640.76
1200_1200	1200	1200	133.377	-277.475	1.003	0.529	5.363	3641.798
1200_1201	1200	1201	-133.966	313.137	-1.003	-0.499	-17.152	-7134.89
1201_1201	1201	1201	139.314	-309.275	3.075	0.897	14.234	7158.313
1201_1202	1201	1202	-149.393	355.196	-3.075	-0.957	-55.031	-11544.8
1202_1202	1202	1202	161.157	-370.354	-2.244	1.762	55.247	11548.05
1202_1203	1202	1203	-171.933	415.465	2.244	-1.702	-27.07	-16448.3
1203_1203	1203	1203	183.338	-410.779	-2.244	0.949	27.105	16452.65
1203_1204	1203	1204	-194.897	458.195	2.244	-0.883	1.154	-21877.8
1204_1204	1204	1204	-1819.39	231.988	5.951	1.582	-66.587	6241.697
1204_1205	1204	1205	1844.015	-200.383	-5.951	-1.582	10.039	-4290.58
1205_1205	1205	1205	-1843.69	200.343	4.566	-2.07	-9.634	4062.919
1205_1206	1205	1206	1861.903	-176.08	-4.566	2.07	-25.711	-2680.17
1206_1206	1206	1206	-1861.9	176.094	4.621	-1.989	25.711	2680.169
1206_1207	1206	1207	1877.847	-151.8	-4.621	1.989	-61.533	-1474.63
1207_1207	1207	1207	-1877.61	131.869	-7.071	-1.254	61.533	1474.669
1207_1208	1207	1208	1891.448	-106.791	7.071	1.254	-4.949	-576.778
1208_1208	1208	1208	-1891.46	106.805	-4.471	0.254	4.949	576.777
1208_1209	1208	1209	1902.852	-81.728	4.471	-0.254	30.827	130.238
1209_1209	1209	1209	-1902.85	81.741	-4.471	0.254	-30.827	-130.238
1209_1210	1209	1210	1911.807	-56.664	4.471	-0.254	66.602	646.402
1210_1210	1210	1210	-1911.94	38.824	-3.062	0.014	-66.602	-646.425
1210_1211	1210	1211	1917.415	-20.016	3.062	-0.014	84.979	799.716
1211_1211	1211	1211	-1917.42	20.026	0.405	0.189	-84.979	-799.718

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1211_1212	1211	1212	1921.524	-1.218	-0.405	-0.189	82.546	845.649
1212_1212	1212	1212	-1921.52	1.228	0.336	0.185	-82.546	-845.649
1212_1213	1212	1213	1924.255	17.548	-0.336	-0.185	80.534	784.418
1213_1213	1213	1213	-1924.25	-17.538	-3.062	-0.184	-80.534	-784.416
1213_1214	1213	1214	1925.617	36.347	3.062	0.184	98.91	615.812
1214_1214	1214	1214	-1925.76	-54.429	5.663	0.46	-98.91	-615.823
1214_1215	1214	1215	1925.843	79.507	-5.663	-0.46	53.594	77.651
1215_1215	1215	1215	-1925.85	-79.493	3.063	-0.809	-53.594	-77.651
1215_1216	1215	1216	1923.496	104.571	-3.063	0.809	29.087	-651.393
1216_1216	1216	1216	-1923.49	-104.557	5.663	1.405	-29.087	651.392
1216_1217	1216	1217	1918.696	129.635	-5.663	-1.405	-16.229	-1571.27
1217_1217	1217	1217	-1918.58	-148.564	-2.445	-0.166	16.229	1571.271
1217_1218	1217	1218	1911.577	172.858	2.445	0.166	2.726	-2791.16
1218_1218	1218	1218	-1911.58	-172.845	-2.501	-0.271	-2.726	2791.16
1218_1219	1218	1219	1902.3	197.107	2.501	0.271	22.086	-4188.24
1219_1219	1219	1219	-1897.11	-197.118	-1.09	3.201	-21.838	4395.707
1219_1220	1219	1220	1882.669	228.719	1.09	-3.201	32.198	-6361.86
1220_1220	1220	1220	182.455	468.443	2.712	-47.389	10.041	22083.33
1220_1221	1220	1221	-152.86	-421.311	-2.712	47.446	-44.193	-16615.2
1221_1221	1221	1221	141.268	426.557	3.076	42.264	34.623	16611.94
1221_1222	1221	1222	-106.602	-381.785	-3.076	-42.209	-73.237	-11669.7
1222_1222	1222	1222	95.135	373.636	-3.285	-3.231	77.09	11666.39
1222_1223	1222	1223	-55.337	-328	3.285	3.134	-33.472	-7139.61
1223_1223	1223	1223	508.964	326.127	-0.614	1.359	14.993	4600.061
1223_1224	1223	1224	-486.226	-289.872	0.614	-1.344	-7.771	-1144.94
1224_1224	1224	1224	479.836	275.136	0.147	10.049	7.699	1145.345
1224_1225	1224	1225	-444.86	-250.008	-0.147	-10.05	-8.915	853.847
1225_1225	1225	1225	416.211	252.996	0.426	-7.282	9.327	-666.227
1225_1226	1225	1226	-340.772	-201.335	-0.426	7.282	-16.32	4074.84
1226_1226	1226	1226	340.76	177.883	0.066	20.349	16.32	-4074.36
1226_1227	1226	1227	-288.134	-139.034	-0.066	-20.349	-17.13	5805.433
1227_1227	1227	1227	288.133	139.058	0.434	-19.925	17.13	-5805.44
1227_1228	1227	1228	-241.438	-100.239	-0.434	19.925	-22.486	7080.002
1228_1228	1228	1228	241.23	75.475	0.112	15.118	22.486	-7077.61
1228_1229	1228	1229	-198.993	-34.464	-0.112	-15.118	-23.865	7572.42
1229_1229	1229	1229	198.991	34.652	0.358	-14.137	23.865	-7572.42
1229_1230	1229	1230	-164.984	6.328	-0.358	14.137	-28.28	7596.187
1230_1230	1230	1230	164.878	-31.118	0.177	12.421	28.28	-7593.6
1230_1231	1230	1231	-136.763	72.102	-0.177	-12.421	-30.458	6829.232
1231_1231	1231	1231	136.768	-71.914	0.423	-11.531	30.458	-6829.24
1231_1232	1231	1232	-116.861	112.867	-0.423	11.531	-35.675	5595.374
1232_1232	1232	1232	116.86	-138.899	1.848	9.111	35.675	-5594.36
1232_1233	1232	1233	-108.668	171.744	-1.848	-9.111	-53.943	4013.526
1233_1233	1233	1233	108.634	-171.581	2.089	-3.197	53.943	-4013.31
1233_1234	1233	1234	-105.727	209.716	-2.089	3.197	-77.918	1798.741
1234_1234	1234	1234	111.686	-208.764	2.583	-9.893	82.635	-1821.51
1234_1235	1234	1235	-112.217	219.388	-2.583	9.895	-90.749	1145.93
1235_1235	1235	1235	130.973	-233.543	0.003	-1.634	98.884	-1207.11
1235_1236	1235	1236	-136.826	258.097	-0.003	1.571	-98.906	-543.975
1236_1236	1236	1236	135.992	-258.456	0.14	0.605	98.961	544.127
1236_1237	1236	1237	-147.684	292.076	-0.14	-0.68	-100.32	-3190.5
1237_1237	1237	1237	167.403	-287.725	-0.13	7.885	98.338	3126.618
1237_1238	1237	1238	-174.165	306.893	0.13	-7.962	-97.723	-4528.43

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1238_1238	1238	1238	180.037	-322.066	5.354	-11.824	96.603	4528.658
1238_1239	1238	1239	-194.92	365.884	-5.354	11.719	-154.141	-8176.93
1239_1239	1239	1239	203.476	-361.085	5.545	10.552	156.212	8180.002
1239_1240	1239	1240	-218.531	407.114	-5.545	-10.685	-217.044	-12334.3
1240_1240	1240	1240	233.54	-424.829	-28.857	-21.659	214.074	12332.55
1240_1241	1240	1241	-247.369	476.746	28.857	21.978	129.805	-17643.4
1241_1241	1241	1241	-1702.64	281.154	-7.972	16.55	280.599	4928.937
1241_1242	1241	1242	1729.91	-243.917	7.972	-16.55	-204.843	-2544.19
1242_1242	1242	1242	-1726.89	243.972	-5.875	19.879	205.455	2529.54
1242_1243	1242	1243	1735.169	-231.734	5.875	-19.879	-186.861	-1810.36
1243_1243	1243	1243	-1733.02	212.688	-31.632	-3.481	186.861	1808.69
1243_1244	1243	1244	1755.382	-177.056	31.632	3.481	104.602	-103.712
1244_1244	1244	1244	-1755.5	177.184	-25.361	-0.616	-104.602	103.838
1244_1245	1244	1245	1776.021	-136.936	25.361	0.616	368.558	1447.342
1245_1245	1245	1245	-1776.41	121.919	-14.618	1.82	-368.558	-1447.21
1245_1246	1245	1246	1791.354	-84.221	14.618	-1.82	511.057	2390.814
1246_1246	1246	1246	-1791.39	84.349	-8.41	-2.327	-511.057	-2390.8
1246_1247	1246	1247	1802.036	-46.139	8.41	2.327	594.157	2991.367
1247_1247	1247	1247	-1802.13	27.918	0.036	2.719	-594.157	-2990.66
1247_1248	1247	1248	1808.231	7.2	-0.036	-2.719	593.829	3058.832
1248_1248	1248	1248	-1808.26	-7.072	3.815	-0.73	-593.829	-3058.67
1248_1249	1248	1249	1810.535	47.816	-3.815	0.73	553.629	2758.553
1249_1249	1249	1249	-1809.38	-67.509	-10.693	2.405	-553.629	-2758.03
1249_1250	1249	1250	1806.801	107.487	10.693	-2.405	664.174	1861.834
1250_1250	1250	1250	-1806.8	-107.359	-2.982	0.524	-664.174	-1861.95
1250_1251	1250	1251	1800.257	143.276	2.982	-0.524	691.867	722.344
1251_1251	1251	1251	-1803.12	-170.076	62.464	-3.936	-691.867	-722.378
1251_1252	1251	1252	1792.736	209.259	-62.464	3.936	58.95	-1159.9
1252_1252	1252	1252	-1792.56	-212.522	68.311	3.72	-58.95	1160.035
1252_1253	1252	1253	1772.473	255.867	-68.311	-3.72	-706.727	-3707.14
1253_1253	1253	1253	-1770.24	-255.765	66.949	0.161	706.661	3696.127
1253_1254	1253	1254	1763.492	268.149	-66.949	-0.161	-918.266	-4497.82
1254_1254	1254	1254	-1758.84	-293.871	-34.493	-39.453	918.266	4495.308
1254_1255	1254	1255	1745.387	318.687	34.493	39.453	-699.791	-6382.92
1255_1255	1255	1255	218.398	435.979	-48.3	1.185	669.117	19221.29
1255_1256	1255	1256	-199.412	-400.526	48.3	-1.644	-276.778	-15913.4
1256_1256	1256	1256	192.755	404.272	-48.174	33.164	272.981	15910.62
1256_1257	1256	1257	-174.039	-373.395	48.174	-33.549	77.274	-13161.8
1257_1257	1257	1257	163.546	358.424	9.5	-20.506	-71.879	13156.48
1257_1258	1257	1258	-134.802	-315.466	-9.5	21.22	-26.822	-9762.04
1258_1258	1258	1258	126.932	320.281	9.694	13.465	24.162	9760.153
1258_1259	1258	1259	-90.56	-269.362	-9.694	-12.793	-146.749	-6148.58
1259_1259	1259	1259	519.987	256.202	1.164	5.186	17.109	3818.22
1259_1260	1259	1260	-533.317	-218.697	-1.164	-5.125	-29.394	-1295.4
1260_1260	1260	1260	528.568	225.152	1.397	-4.726	29.574	1294.349
1260_1261	1260	1261	-523.719	-192.047	-1.397	4.747	-42.776	649.393
1261_1261	1261	1261	547.92	195.651	1.555	-7.796	42.355	-917.178
1261_1262	1261	1262	-542.874	-184.738	-1.555	7.796	-47.28	1500.464
1262_1262	1262	1262	542.758	155.42	-0.45	15.205	47.28	-1499.43
1262_1263	1262	1263	-530.436	-117.122	0.45	-15.205	-42.278	2970.105
1263_1263	1263	1263	530.402	117.306	-0.073	-13.509	42.278	-2969.97
1263_1264	1263	1264	-524.837	-76.185	0.073	13.509	-41.413	4109.704
1264_1264	1264	1264	524.771	52.227	0.774	18.261	41.413	-4109.47

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1264_1265	1264	1265	-523.568	-12.338	-0.774	-18.261	-50.376	4485.414
1265_1265	1265	1265	523.572	12.523	1.162	-17.689	50.376	-4485.42
1265_1266	1265	1266	-529.754	27.036	-1.162	17.689	-63.716	4435.438
1266_1266	1266	1266	529.734	-51.725	0.012	11.857	63.716	-4435.23
1266_1267	1266	1267	-540.079	91.963	-0.012	-11.857	-63.852	3646.152
1267_1267	1267	1267	540.088	-91.779	0.277	-11.633	63.852	-3646.2
1267_1268	1267	1268	-557.461	130.952	-0.277	11.633	-67.006	2459.479
1268_1268	1268	1268	557.404	-155.153	1.48	10.235	67.006	-2459.17
1268_1269	1268	1269	-582.803	200.117	-1.48	-10.235	-86.319	254.016
1269_1269	1269	1269	582.856	-199.922	1.831	-11.358	86.319	-254.276
1269_1270	1269	1270	-612.961	239.378	-1.831	11.358	-107.291	-2128.88
1270_1270	1270	1270	613.026	-259.475	-3.725	3.25	107.291	2128.572
1270_1271	1270	1271	-639.299	291.056	3.725	-3.25	-73.148	-4537.83
1271_1271	1271	1271	639.247	-294.245	-3.45	-2.675	73.148	4538.126
1271_1272	1271	1272	-681.19	332.692	3.45	2.675	-34.656	-7855.39
1272_1272	1272	1272	617.533	-330.728	-2.834	1.742	31.219	8346.765
1272_1273	1272	1273	-629.6	346.105	2.834	-1.732	-19.396	-9704.88
1273_1273	1273	1273	634.748	-366.523	19.189	-7.563	19.21	9705.916
1273_1274	1273	1274	-642.7	396.015	-19.189	7.583	-171.83	-12675.7
1274_1274	1274	1274	649.394	-390.483	19.339	-2.938	171.967	12675.75
1274_1275	1274	1275	-641.807	420.136	-19.339	2.971	-324.329	-15844.6
1275_1275	1275	1275	562.113	-418.058	19.86	27.751	325.595	16349.68
1275_1276	1275	1276	-556.082	435.701	-19.86	-27.728	-408.639	-18127.4
1276_1276	1276	1276	266.47	-449.548	-79.584	-61.621	485.227	19751.14
1276_1277	1276	1277	-281.385	499.626	79.584	62.092	451.462	-25264.4
1277_1277	1277	1277	294.167	-493.205	-79.366	48.478	-443.659	25268.18
1277_1278	1277	1278	-307.557	549.672	79.366	-47.836	1460.262	-31859.8
1278_1278	1278	1278	319.56	-532.948	130.767	-79.05	-1478	31864.02
1278_1279	1278	1279	-328.349	577.143	-130.767	78.689	216.599	-37146.5
1279_1279	1279	1279	-2417.25	380.525	45.894	41.391	-829.062	13377.31
1279_1280	1279	1280	2446.171	-341.831	-45.894	-41.391	392.957	-10059.5
1280_1280	1280	1280	-2444.76	341.866	47.428	51.499	-391.924	10267.39
1280_1281	1280	1281	2459.898	-321.111	-47.428	-51.499	134.848	-8531.93
1281_1281	1281	1281	-2504.3	304.166	-23.619	-10.382	-145.404	8735.229
1281_1282	1281	1282	2532.048	-260.379	23.619	10.382	437.328	-5359.14
1282_1282	1282	1282	-2532.1	260.527	-15.743	7.293	-437.328	5359.109
1282_1283	1282	1283	2553.26	-217.509	15.743	-7.293	628.49	-2543.25
1283_1283	1283	1283	-2553.26	169.079	13.912	-2.154	-628.49	2543.278
1283_1284	1283	1284	2566.76	-125.128	-13.912	2.154	455.899	-773.718
1284_1284	1284	1284	-2566.66	125.268	22.461	3.331	-455.899	773.518
1284_1285	1284	1285	2573.26	-87.157	-22.461	-3.331	214.276	341.312
1285_1285	1285	1285	-2573.17	49.721	29.565	-0.202	-214.276	-341.361
1285_1286	1285	1286	2575.699	-10.078	-29.565	0.202	-116.56	664.368
1286_1286	1286	1286	-2575.58	10.208	37.458	0.997	116.56	-664.459
1286_1287	1286	1287	2573.331	26.648	-37.458	-0.997	-506.239	586.492
1287_1287	1287	1287	-2573.67	-63.768	-22.639	-2.828	506.239	-586.144
1287_1288	1287	1288	2565.742	110.168	22.639	2.828	-209.722	-523.032
1288_1288	1288	1288	-2565.75	-113.443	-13.576	2.646	209.722	522.804
1288_1289	1288	1289	2550.673	153.199	13.576	-2.646	-57.376	-1960.4
1289_1289	1289	1289	-2550.58	-188.271	-2.264	0.35	57.376	1959.872
1289_1290	1289	1290	2544.178	202.459	2.264	-0.35	-48.308	-2717.25
1290_1290	1290	1290	-2542.46	-202.425	1.531	5.586	48.925	2485.735
1290_1291	1290	1291	2524.976	238.387	-1.531	-5.586	-63.47	-4512.53

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1291_1291	1291	1291	307.363	788.138	25.079	-12.988	-220.391	24817.26
1291_1292	1291	1292	-291.972	-756.217	-25.079	12.807	33.793	-19174.4
1292_1292	1292	1292	269.856	731.791	2.641	-28.693	-32.638	19172.59
1292_1293	1292	1293	-235.476	-679.238	-2.641	28.671	-0.849	-10418.6
1293_1293	1293	1293	214.896	686.255	2.743	25.597	-3.071	10415.99
1293_1294	1293	1294	-178.599	-641.366	-2.743	-25.608	-27.622	-3156.36
1294_1294	1294	1294	137.657	612.544	-2.403	-3.096	53.578	3303.573
1294_1295	1294	1295	-112.577	-584.863	2.403	3.045	-36.632	814.611
1295_1295	1295	1295	72.169	588.124	-2.662	1.64	45.508	-657.043
1295_1296	1295	1296	-45.734	-563.23	2.662	-1.661	-26.454	4662.373
1296_1296	1296	1296	38.045	565.502	-2.646	-0.36	26.478	-4662.5
1296_1297	1296	1297	-11.33	-534.98	2.646	0.359	-3.211	9377.396
1297_1297	1297	1297	11.038	495.736	0.565	26.029	3.211	-9377.77
1297_1298	1297	1298	0.4	-481.675	-0.565	-26.029	-5.5	11304.79
1298_1298	1298	1298	38.531	482.125	0.767	14.88	1.91	-11524.1
1298_1299	1298	1299	-19.462	-448.889	-0.767	-14.88	-8.402	15375.8
1299_1299	1299	1299	19.405	448.989	0.819	-24.86	8.402	-15375.4
1299_1300	1299	1300	3.535	-401.935	-0.819	24.86	-18.219	20367.66
1300_1300	1300	1300	-3.556	354.609	1.315	42.376	18.219	-20367.5
1300_1301	1300	1301	23.842	-302.93	-1.315	-42.376	-35.523	24601.03
1301_1301	1301	1301	-23.799	303.05	1.38	-43.099	35.523	-24601.3
1301_1302	1301	1302	36.665	-258.576	-1.38	43.099	-51.154	27723.03
1302_1302	1302	1302	-36.708	206.862	-0.143	60.377	51.154	-27722.8
1302_1303	1302	1303	47.4	-154.01	0.143	-60.377	-49.223	30103.25
1303_1303	1303	1303	-47.35	154.13	-0.067	-64.962	49.223	-30103.5
1303_1304	1303	1304	51.642	-110.784	0.067	64.962	-48.483	31547.2
1304_1304	1304	1304	-51.681	56.9	1.161	57.71	48.483	-31547.1
1304_1305	1304	1305	52.572	-5.605	-1.161	-57.71	-63.658	31953.19
1305_1305	1305	1305	-52.532	5.725	1.226	-56.192	63.658	-31953.4
1305_1306	1305	1306	48.677	39.151	-1.226	56.192	-77.674	31782.26
1306_1306	1306	1306	-48.682	-95.44	0.062	54.141	77.674	-31782.2
1306_1307	1306	1307	38.882	142.01	-0.062	-54.141	-78.414	30422.02
1307_1307	1307	1307	-38.896	-141.891	0.119	-41.396	78.414	-30422
1307_1308	1307	1308	23.333	191.499	-0.119	41.396	-79.921	28391.13
1308_1308	1308	1308	-23.317	-241.683	1.979	48.506	79.921	-28391.3
1308_1309	1308	1309	4.328	289.435	-1.979	-48.506	-103.991	25252.95
1309_1309	1309	1309	-4.321	-289.316	2.041	-38.299	103.991	-25252.9
1309_1310	1309	1310	-19.948	337.765	-2.041	38.299	-129.182	21500.37
1310_1310	1310	1310	19.94	-382.45	-1.703	31.159	129.182	-21500.3
1310_1311	1310	1311	-49.332	432.739	1.703	-31.159	-107.371	16420.26
1311_1311	1311	1311	49.327	-432.614	-1.64	-24.186	107.371	-16420.3
1311_1312	1311	1312	-84.068	482.793	1.64	24.186	-86.403	10736.54
1312_1312	1312	1312	83.91	-525.7	-4.813	5.781	86.403	-10735.8
1312_1313	1312	1313	-145.126	596.18	4.813	-5.781	0	958.882
1400_1020	1400	1020	2432.959	-222.56	-25.064	0.617	-195.056	-3242.11
1400_1401	1400	1401	-2434.01	226.543	25.064	-0.617	297.609	2323.321
1401_1401	1401	1401	2432.762	-221.077	18.973	-5.512	-306.22	-2323.05
1401_1402	1401	1402	-2433.67	224.471	-18.973	5.512	240.015	1545.665
1402_1402	1402	1402	2438.364	-165.617	20.966	1.577	-239.7	-1545.72
1402_1403	1402	1403	-2441.46	176.166	-20.966	-1.577	10.791	-320.117
1403_1403	1403	1403	2463.882	-102.613	3.247	-0.475	-23.181	320.09
1403_1404	1403	1404	-2466.14	109.513	-3.247	0.475	-0.231	-1084.83
1404_1404	1404	1404	2468.019	-52.093	1.78	0.169	0.449	1084.825

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1404_1405	1404	1405	-2470.44	58.942	-1.78	-0.169	-13.293	-1485.31
1405_1405	1405	1405	2468.286	25.598	1.251	-0.293	0.924	1485.284
1405_1406	1405	1406	-2473.59	-12.095	-1.251	0.293	-18.947	-1213.68
1406_1406	1406	1406	2468.118	97.277	0.125	-0.429	7.368	1213.66
1406_1407	1406	1407	-2471.67	-89.093	-0.125	0.429	-8.471	-387.832
1407_1407	1407	1407	2469.261	140.881	-1.21	-0.402	8.554	387.831
1407_1408	1407	1408	-2471.72	-135.539	1.21	0.402	-1.827	380.263
1408_1408	1408	1408	2444.841	-385.424	2.563	1.227	3.837	-380.274
1408_1409	1408	1409	-2445.54	388.541	-2.563	-1.227	-11.577	-788.573
1409_1409	1409	1409	2439.597	362.262	3.392	-2.05	11.762	788.014
1409_1410	1409	1410	-2438.9	-359.145	-3.392	2.05	-22.008	301.46
1410_1410	1410	1410	2450.765	-159.477	1.389	-0.911	18.595	-301.474
1410_1411	1410	1411	-2448.31	164.819	-1.389	0.911	-26.314	-599.657
1411_1411	1411	1411	2451.216	-113.703	-2.892	-0.433	25.844	599.678
1411_1412	1411	1412	-2447.66	121.885	2.892	0.433	-0.221	-1643.36
1412_1412	1412	1412	2444.991	-37.099	-0.053	-0.713	10.967	1643.36
1412_1413	1412	1413	-2439.69	50.607	0.053	0.713	-10.207	-2275.47
1413_1413	1413	1413	2434.43	32.263	-3.299	-0.114	19.577	2275.492
1413_1414	1413	1414	-2432.01	-25.419	3.299	0.114	4.204	-2067.59
1414_1414	1414	1414	2430.764	82.044	-1.723	-1.372	-3.762	2067.594
1414_1415	1414	1415	-2428.51	-75.149	1.723	1.372	16.178	-1501.31
1415_1415	1415	1415	2408.143	148.487	-10.702	-1.18	-6.412	1501.311
1415_1416	1415	1416	-2405.05	-137.93	10.702	1.18	123.339	63.374
1416_1416	1416	1416	2400.918	194.29	-35.449	1.039	-123.154	-63.736
1416_1417	1416	1417	-2400.01	-190.903	35.449	-1.039	246.609	734.474
1417_1417	1417	1417	2401.649	198.793	18.289	-1.395	-239.387	-734.504
1417_1036	1417	1036	-2400.6	-194.8	-18.289	1.395	164.385	1541.543
1420_1056	1420	1056	1996.088	-210.781	-24.944	0.695	-53.444	-3541.64
1420_1421	1420	1421	-1997.02	214.312	24.944	-0.695	155.548	2671.624
1421_1421	1421	1421	1996.421	-209.175	12.592	-1.005	-162.592	-2671.58
1421_1422	1421	1422	-1997.22	212.179	-12.592	1.005	118.703	1937.288
1422_1422	1422	1422	2001.702	-164.721	11.721	0.949	-118.946	-1937.27
1422_1423	1422	1423	-2004.44	174.072	-11.721	-0.949	-9.078	87.053
1423_1423	1423	1423	2021.395	-113.329	1.976	0.212	-2.432	-87.016
1423_1424	1423	1424	-2023.39	119.434	-1.976	-0.212	-11.798	-751.095
1424_1424	1424	1424	2025.594	-73.217	-0.077	0.714	12.072	751.09
1424_1425	1424	1425	-2027.74	79.286	0.077	-0.714	-11.514	-1301.21
1425_1425	1425	1425	2030.111	-10.203	0.886	0.387	0.437	1301.258
1425_1426	1425	1426	-2034.81	22.171	-0.886	-0.387	-13.202	-1534.58
1426_1426	1426	1426	2035.902	48.264	0.428	-0.405	2.628	1534.642
1426_1427	1426	1427	-2039.05	-41.015	-0.428	0.405	-6.416	-1139.18
1427_1427	1427	1427	2037.746	83.598	-3.573	1.656	7.415	1139.171
1427_1428	1427	1428	-2039.93	-78.836	3.573	-1.656	12.44	-687.895
1428_1428	1428	1428	2015.435	-351.387	0.865	-0.208	-10.593	687.87
1428_1429	1428	1429	-2016.06	354.165	-0.865	0.208	7.981	-1752.74
1429_1429	1429	1429	2017.071	360.133	0.076	0.656	-8.08	1755.287
1429_1430	1429	1430	-2016.45	-357.346	-0.076	-0.656	7.85	-668.921
1430_1430	1430	1430	2044.243	-74.654	2.35	-0.711	-10.373	668.919
1430_1431	1430	1431	-2042.06	79.415	-2.35	0.711	-2.686	-1096.96
1431_1431	1431	1431	2043.266	-36.908	-0.606	0.809	1.986	1096.959
1431_1432	1431	1432	-2040.12	44.155	0.606	-0.809	3.383	-1455.96
1432_1432	1432	1432	2040.045	26.331	-0.571	0.167	8.33	1456.027
1432_1433	1432	1433	-2035.34	-14.365	0.571	-0.167	-0.098	-1162.8

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1433_1433	1433	1433	2035.232	83.609	1.18	-0.189	11.538	1162.87
1433_1434	1433	1434	-2033.09	-77.541	-1.18	0.189	-20.046	-581.745
1434_1434	1434	1434	2030.743	124.715	-2.368	0.383	19.697	581.757
1434_1435	1434	1435	-2028.74	-118.603	2.368	-0.383	-2.626	295.097
1435_1435	1435	1435	2006.414	179.336	-20.034	-0.206	15.025	-295.027
1435_1436	1435	1436	-2003.68	-169.982	20.034	0.206	203.872	2203.387
1436_1436	1436	1436	1999.1	216.937	-23.446	0.703	-202.785	-2203.49
1436_1437	1436	1437	-1998.3	-213.935	23.446	-0.703	284.45	2953.873
1437_1437	1437	1437	1999.567	219.478	21.1	-0.879	-281.68	-2953.55
1437_1072	1437	1072	-1998.64	-215.949	-21.1	0.879	195.362	3844.204
1440_1094	1440	1094	2357.768	-198.317	-22.646	0.132	15.454	-2189.37
1440_1441	1440	1441	-2358.69	201.818	22.646	-0.132	77.309	1369.859
1441_1441	1441	1441	2356.979	-195.535	7.24	-0.99	-89.402	-1369.81
1441_1442	1441	1442	-2357.77	198.514	-7.24	0.99	64.141	682.338
1442_1442	1442	1442	2361.857	-141.906	7.265	0.557	-64.144	-682.338
1442_1443	1442	1443	-2364.57	151.169	-7.265	-0.557	-15.219	-918.44
1443_1443	1443	1443	2377.874	-78.684	0.702	0.373	0.765	918.48
1443_1444	1443	1444	-2379.85	84.73	-0.702	-0.373	-5.82	-1506.72
1444_1444	1444	1444	2381.166	-30.433	1.029	0.033	5.753	1506.725
1444_1445	1444	1445	-2383.29	36.444	-1.029	-0.033	-13.173	-1747.92
1445_1445	1445	1445	2386.64	44.795	0.931	0.144	-0.882	1747.978
1445_1446	1445	1446	-2391.3	-32.934	-0.931	-0.144	-12.54	-1187.51
1446_1446	1446	1446	2393.763	116.923	2.343	0.116	-1.738	1187.563
1446_1447	1446	1447	-2396.88	-109.747	-2.343	-0.116	-19.012	-183.852
1447_1447	1447	1447	2394.117	159.039	-1.28	-0.005	19.134	183.839
1447_1448	1447	1448	-2396.29	-154.318	1.28	0.005	-12.019	687.058
1448_1448	1448	1448	2387.066	-352.272	-13.814	4.126	14.581	-687.104
1448_1449	1448	1449	-2387.68	355.02	13.814	-4.126	27.051	-378.703
1449_1449	1449	1449	2386.612	353.305	15.654	-4.115	-27.052	379.079
1449_1450	1449	1450	-2386	-350.546	-15.654	4.115	-20.294	685.349
1450_1450	1450	1450	2392.748	-157.288	-1.569	0.046	17.744	-685.332
1450_1451	1450	1451	-2390.58	162.01	1.569	-0.046	-9.021	-202.269
1451_1451	1451	1451	2393.406	-112.821	-0.816	-0.202	9.048	202.268
1451_1452	1451	1452	-2390.29	120	0.816	0.202	-1.821	-1233.42
1452_1452	1452	1452	2385.629	-36.661	-1.272	-0.158	15.422	1233.437
1452_1453	1452	1453	-2380.97	48.515	1.272	0.158	2.907	-1847.31
1453_1453	1453	1453	2375.409	33.267	-0.445	-0.201	10.986	1847.327
1453_1454	1453	1454	-2373.29	-27.256	0.445	0.201	-7.775	-1629.02
1454_1454	1454	1454	2372.119	79.313	-0.637	-0.238	7.725	1629.022
1454_1455	1454	1455	-2370.14	-73.285	0.637	0.238	-3.149	-1081.1
1455_1455	1455	1455	2356.156	148.907	-7.004	-0.437	17.622	1081.138
1455_1456	1455	1456	-2353.44	-139.626	7.004	0.437	59.023	497.631
1456_1456	1456	1456	2349.512	194.812	-9.028	0.509	-58.9	-497.646
1456_1457	1456	1457	-2348.72	-191.833	9.028	-0.509	90.403	1172.199
1457_1457	1457	1457	2350.815	198.43	20.755	-0.302	-78.706	-1172.15
1457_1110	1457	1110	-2349.89	-194.93	-20.755	0.302	-6.311	1977.787
1460_1132	1460	1132	1974.644	-202.011	4.444	0.038	206.315	-3255.05
1460_1461	1460	1461	-1975.56	205.51	-4.444	-0.038	-224.51	2420.711
1461_1461	1461	1461	1973.038	-200.486	-19.1	1.838	205.664	-2420.71
1461_1462	1461	1462	-1973.83	203.464	19.1	-1.838	-139.043	1716.198
1462_1462	1462	1462	1978.163	-156.044	-17.33	0.073	139.508	-1716.16
1462_1463	1462	1463	-1980.88	165.304	17.33	-0.073	49.743	-38.462
1463_1463	1463	1463	1975.859	-104.535	2.611	1.143	-63.255	38.173

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1463_1464	1463	1464	-1977.84	110.588	-2.611	-1.143	44.435	-813.47
1464_1464	1464	1464	1979.857	-64.633	8.275	-0.18	-45.227	813.427
1464_1465	1464	1465	-1981.98	70.642	-8.275	0.18	-14.454	-1301.26
1465_1465	1465	1465	1964.935	-0.461	1.686	0.462	-1.911	1301.159
1465_1466	1465	1466	-1969.59	12.313	-1.686	-0.462	-22.388	-1393.2
1466_1466	1466	1466	1941.151	60.755	-4.528	0.604	7.474	1393.096
1466_1467	1466	1467	-1944.27	-53.579	4.528	-0.604	32.628	-886.853
1467_1467	1467	1467	1942.764	93.516	-0.781	-0.4	-33.378	886.825
1467_1468	1467	1468	-1944.93	-88.795	0.781	0.4	37.718	-380.137
1468_1468	1468	1468	1893.085	-307.443	9.721	-19.421	-36.067	379.937
1468_1469	1468	1469	-1893.7	310.201	-9.721	19.421	6.676	-1313.67
1469_1469	1469	1469	1879.272	304.281	-4.932	19.408	-32.519	1273.126
1469_1470	1469	1470	-1878.66	-301.523	4.932	-19.408	47.43	-357.294
1470_1470	1470	1470	1924.136	-91.519	2.607	-0.307	-49.143	357.096
1470_1471	1470	1471	-1921.97	96.24	-2.607	0.307	34.654	-878.908
1471_1471	1471	1471	1923.537	-56.682	4.632	-0.508	-34.256	878.924
1471_1472	1471	1472	-1920.42	63.859	-4.632	0.508	-6.763	-1412.66
1472_1472	1472	1472	1940.874	8.526	-1.988	-0.725	20.861	1412.575
1472_1473	1472	1473	-1936.22	3.335	1.988	0.725	7.81	-1375.15
1473_1473	1473	1473	1948.58	64.881	-0.959	-0.74	6.122	1375.014
1473_1474	1473	1474	-1946.46	-58.872	0.959	0.74	0.794	-928.733
1474_1474	1474	1474	1944.611	103.251	-1.177	-0.616	-0.845	928.733
1474_1475	1474	1475	-1942.63	-97.206	1.177	0.616	9.321	-207.208
1475_1475	1475	1475	1948.078	157.045	0.262	-0.639	3.984	207.119
1475_1476	1475	1476	-1945.37	-147.784	-0.262	0.639	-6.841	1457.618
1476_1476	1476	1476	1941.259	194.414	1.6	0.23	6.548	-1457.62
1476_1477	1476	1477	-1940.46	-191.436	-1.6	-0.23	-12.129	2130.698
1477_1477	1477	1477	1942.076	196.671	6.264	0.213	25.61	-2130.74
1477_1148	1477	1148	-1941.16	-193.171	-6.264	-0.213	-51.264	2929.041
1480_1168	1480	1168	1726.47	-191.339	16.261	0.777	-47.89	-3490.34
1480_1481	1480	1481	-1727.39	194.839	-16.261	-0.777	-18.712	2699.507
1481_1481	1481	1481	1726.342	-190.569	-3.601	-4.348	2.707	-2699.42
1481_1482	1481	1482	-1727.14	193.547	3.601	4.348	9.856	2029.402
1482_1482	1482	1482	1731.284	-152.087	1.558	2.096	-8.14	-2029.41
1482_1483	1482	1483	-1734	161.349	-1.558	-2.096	-8.874	317.644
1483_1483	1483	1483	1708.683	-109.288	0.322	0.904	-4.57	-317.737
1483_1484	1483	1484	-1710.66	115.342	-0.322	-0.904	2.251	-491.862
1484_1484	1484	1484	1712.88	-75.556	0.561	0.887	-2.254	491.862
1484_1485	1484	1485	-1715	81.565	-0.561	-0.887	-1.789	-1058.48
1485_1485	1485	1485	1680.034	-21.396	3.161	0.854	-12.514	1058.389
1485_1486	1485	1486	-1684.69	33.247	-3.161	-0.854	-33.04	-1452.12
1486_1486	1486	1486	1640.409	29.823	-10.404	0.712	19.596	1452.028
1486_1487	1486	1487	-1643.53	-22.647	10.404	-0.712	72.538	-1219.7
1487_1487	1487	1487	1642.732	56.417	-7.255	-0.1	-73.566	1219.642
1487_1488	1487	1488	-1644.9	-51.696	7.255	0.1	113.892	-919.167
1488_1488	1488	1488	1567.586	-275.527	13.521	-34.499	-113.529	918.996
1488_1489	1488	1489	-1568.2	278.284	-13.521	34.499	72.647	-1756.23
1489_1489	1489	1489	1572.136	280.361	-15.089	34.673	-33.597	1766.957
1489_1490	1489	1490	-1571.52	-277.604	15.089	-34.673	79.22	-923.446
1490_1490	1490	1490	1646.302	-49.532	5.851	-0.276	-81.015	923.066
1490_1491	1490	1491	-1644.13	54.252	-5.851	0.276	48.493	-1211.5
1491_1491	1491	1491	1644.895	-20.418	7.57	-0.537	-47.941	1211.522
1491_1492	1491	1492	-1641.78	27.594	-7.57	0.537	-19.098	-1424.11

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1492_1492	1492	1492	1686.662	35.222	-3.026	-0.939	32.11	1423.964
1492_1493	1492	1493	-1682.01	-23.371	3.026	0.939	11.5	-1001.78
1493_1493	1493	1493	1715.733	83.516	-0.683	-1.026	1.988	1001.674
1493_1494	1493	1494	-1713.61	-77.507	0.683	1.026	2.941	-420.988
1494_1494	1494	1494	1711.348	117.309	-0.922	-0.897	-2.984	420.988
1494_1495	1494	1495	-1709.37	-111.255	0.922	0.897	9.631	402.792
1495_1495	1495	1495	1732.081	163.141	-1.377	-0.573	2.641	-402.876
1495_1496	1495	1496	-1729.37	-153.879	1.377	0.573	12.403	2134.217
1496_1496	1496	1496	1725.18	195.316	-1.734	-0.731	-12.291	-2134.22
1496_1497	1496	1497	-1724.39	-192.338	1.734	0.731	18.342	2810.443
1497_1497	1497	1497	1725.537	196.691	-8.165	-0.538	-6.766	-2810.48
1497_1184	1497	1184	-1724.62	-193.192	8.165	0.538	40.204	3608.86
1500_1204	1500	1204	2132.407	-216.436	-29.44	-0.135	33.026	-3497.48
1500_1501	1500	1501	-2133.5	220.575	29.44	0.135	87.544	2602.588
1501_1501	1501	1501	2132.28	-215.268	7.642	0.252	-92.619	-2602.67
1501_1502	1501	1502	-2133.22	218.79	-7.642	-0.252	65.958	1845.496
1502_1502	1502	1502	2137.903	-166.996	6.211	0.587	-66.303	-1845.48
1502_1503	1502	1503	-2141.11	177.939	-6.211	-0.587	-1.474	-36.625
1503_1503	1503	1503	2163.164	-113.942	0.554	0.516	-6.294	36.564
1503_1504	1503	1504	-2165.51	121.102	-0.554	-0.516	2.302	-883.701
1504_1504	1504	1504	2167.734	-70.745	0.857	0.444	-2.334	883.701
1504_1505	1504	1505	-2170.24	77.852	-0.857	-0.444	-3.85	-1419.58
1505_1505	1505	1505	2181.055	-4.14	0.591	0.326	-4.266	1419.516
1505_1506	1505	1506	-2186.56	18.167	-0.591	-0.326	-4.253	-1580.36
1506_1506	1506	1506	2192.751	58.301	1.953	-0.138	-3.794	1580.271
1506_1507	1506	1507	-2196.44	-49.814	-1.953	0.138	-13.499	-1101.55
1507_1507	1507	1507	2194.951	94.985	-0.353	0.719	14.014	1101.543
1507_1508	1507	1508	-2197.49	-89.45	0.353	-0.719	-12.051	-588.969
1508_1508	1508	1508	2175.647	-375.21	-2.823	2.896	15.288	588.995
1508_1509	1508	1509	-2176.37	378.443	2.823	-2.896	-6.752	-1728.34
1509_1509	1509	1509	2176.555	376.601	-1.817	-3.061	6.792	1728.055
1509_1510	1509	1510	-2175.83	-373.378	1.817	3.061	-1.318	-597.923
1510_1510	1510	1510	2202.962	-90.013	2.532	-1.298	-0.861	598.008
1510_1511	1510	1511	-2200.42	95.549	-2.532	1.298	-13.21	-1113.73
1511_1511	1511	1511	2201.919	-50.321	-1.704	0.552	12.259	1113.745
1511_1512	1511	1512	-2198.23	58.808	1.704	-0.552	2.832	-1596.94
1512_1512	1512	1512	2196.774	17.648	-0.024	-0.309	6.042	1596.877
1512_1513	1512	1513	-2191.27	-3.621	0.024	0.309	-5.7	-1443.52
1513_1513	1513	1513	2187.106	77.424	-1.1	-0.404	13.701	1443.443
1513_1514	1513	1514	-2184.6	-70.316	1.1	0.404	-5.77	-910.659
1514_1514	1514	1514	2182.374	121.066	-1.406	-0.408	5.716	910.659
1514_1515	1514	1515	-2180.03	-113.906	1.406	0.408	4.415	-63.785
1515_1515	1515	1515	2160.534	177.951	-13.282	-1.427	3.616	63.699
1515_1516	1515	1516	-2157.33	-167.007	13.282	1.427	141.324	1818.535
1516_1516	1516	1516	2152.651	219.269	-11.837	3.255	-141.652	-1818.51
1516_1517	1516	1517	-2151.71	-215.747	11.837	-3.255	182.949	2577.351
1517_1517	1517	1517	2150.719	220.985	31.847	-0.153	-178.615	-2577.47
1517_1220	1517	1220	-2149.63	-216.846	-31.847	0.153	48.186	3474.04
1520_1241	1520	1241	2077.977	-266.569	-18.315	45.145	-404.281	-5850.3
1520_1521	1520	1521	-2079.29	271.547	18.315	-45.145	479.373	4747.133
1521_1521	1521	1521	2068.272	-265.896	35.814	6.71	-473.478	-4759.92
1521_1522	1521	1522	-2069.4	270.119	-35.814	-6.71	348.754	3826.556
1522_1522	1522	1522	2075.339	-220.994	28.313	0.694	-352.681	-3826.2

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1522_1523	1522	1523	-2079.19	234.144	-28.313	-0.694	43.607	1342.038
1523_1523	1523	1523	2108.222	-172.495	6.217	0.74	-50.788	-1342.03
1523_1524	1523	1524	-2111.03	181.095	-6.217	-0.74	5.979	67.689
1524_1524	1524	1524	2114.676	-132.046	2.538	0.758	-6.002	-67.687
1524_1525	1524	1525	-2117.69	140.584	-2.538	-0.758	-12.303	-915.52
1525_1525	1525	1525	2112.995	-70.766	-1.268	0.223	6.886	914.32
1525_1526	1525	1526	-2119.61	87.606	1.268	-0.223	11.397	-2055.68
1526_1526	1526	1526	2112.473	-16.21	-0.563	-1.915	-14.695	2053.187
1526_1527	1526	1527	-2116.91	26.412	0.563	1.915	19.686	-2242.02
1527_1527	1527	1527	2116.991	17.588	-4.618	2.773	-17.757	2242.035
1527_1528	1527	1528	-2120.02	-10.99	4.618	-2.773	43.428	-2162.61
1528_1528	1528	1528	2069.124	-433.953	0.893	-2.677	-36.705	2161.832
1528_1529	1528	1529	-2069.99	437.803	-0.893	2.677	34.008	-3478.39
1529_1529	1529	1529	2067.81	429.186	4.337	1.538	-33.753	3475.638
1529_1530	1529	1530	-2066.95	-425.336	-4.337	-1.538	20.656	-2185.4
1530_1530	1530	1530	2108.625	-15.977	7.724	-2.412	-27.614	2184.427
1530_1531	1530	1531	-2105.59	22.578	-7.724	2.412	-15.332	-2291.61
1531_1531	1531	1531	2105.624	20.413	5.025	0.226	13.998	2291.62
1531_1532	1531	1532	-2101.19	-10.219	-5.025	-0.226	-58.497	-2155.99
1532_1532	1532	1532	2099.247	83.717	-0.749	-0.894	59.504	2154.542
1532_1533	1532	1533	-2092.63	-66.873	0.749	0.894	-48.705	-1069.05
1533_1533	1533	1533	2091.801	138.26	-2.153	-0.338	51.478	1068.563
1533_1534	1533	1534	-2088.79	-129.722	2.153	0.338	-35.946	-102.155
1534_1534	1534	1534	2085.202	178.288	-3.84	-1.09	35.901	102.166
1534_1535	1534	1535	-2082.39	-169.687	3.84	1.09	-8.218	1152.101
1535_1535	1535	1535	2081.707	231.273	-1.532	0.874	14.089	-1151.06
1535_1536	1535	1536	-2077.85	-218.121	1.532	-0.874	2.638	3604.205
1536_1536	1536	1536	2071.945	268.453	-5.405	-6.04	-0.754	-3604.2
1536_1537	1536	1537	-2070.82	-264.22	5.405	6.04	19.619	4533.852
1537_1537	1537	1537	2071.987	269.352	-12.783	-44.627	-16.068	-4541.95
1537_1255	1537	1255	-2070.68	-264.388	12.783	44.627	68.345	5633.32
1540_1279	1540	1279	2890.861	-263.688	87.818	151.764	694.353	-2505.56
1540_1541	1540	1541	-2892.27	269.038	-87.818	-151.764	-1053.98	1414.766
1541_1541	1541	1541	2952.765	-239.535	-56.805	21.538	1044.798	-1469.95
1541_1542	1541	1542	-2953.98	244.093	56.805	-21.538	-846.465	625.658
1542_1542	1542	1542	2958.911	-172.331	-62.916	-0.336	846.353	-626.18
1542_1543	1542	1543	-2963.06	186.487	62.916	0.336	-159.358	-1332.84
1543_1543	1543	1543	2919.057	-107.533	-7.271	-3.621	153.952	1332.042
1543_1544	1543	1544	-2922.08	116.79	7.271	3.621	-101.534	-2140.61
1544_1544	1544	1544	2923.967	-48.084	-19.185	2.765	104.519	2140.472
1544_1545	1544	1545	-2927.21	57.265	19.185	-2.765	33.758	-2520.13
1545_1545	1545	1545	2918.913	37.93	0.74	-0.692	-34.243	2515.755
1545_1546	1545	1546	-2926.03	-19.808	-0.74	0.692	23.579	-2099.66
1546_1546	1546	1546	2930.546	119.618	7.68	-0.756	-23.584	2097.125
1546_1547	1546	1547	-2935.32	-108.646	-7.68	0.756	-44.425	-1086.42
1547_1547	1547	1547	2932.546	167.625	3.151	-0.014	45.151	1086.393
1547_1548	1547	1548	-2935.8	-160.535	-3.151	0.014	-62.683	-173.465
1548_1548	1548	1548	2929.494	-459.198	-14.521	4.056	71.238	170.432
1548_1549	1548	1549	-2930.42	463.328	14.521	-4.056	-27.394	-1563.11
1549_1549	1549	1549	2947.463	485.033	-20.232	-5.978	27.951	1567.389
1549_1550	1549	1550	-2946.51	-480.972	20.232	5.978	32.254	-130.078
1550_1550	1550	1550	2986.567	-163.321	11.17	-2.005	-34.859	135.063
1550_1551	1550	1551	-2983.13	170.473	-11.17	2.005	-28.359	-1079.63

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1551_1551	1551	1551	2986.285	-101.557	7.141	-1.225	27.656	1079.654
1551_1552	1551	1552	-2981.6	111.925	-7.141	1.225	-87.805	-1978.74
1552_1552	1552	1552	2997.771	5.439	-0.075	-2.29	87.827	1977.005
1552_1553	1552	1553	-2990.64	12.191	0.075	2.29	-86.773	-2024.54
1553_1553	1553	1553	2999.779	99.342	-9.778	-2.834	86.425	2022.401
1553_1554	1553	1554	-2996.55	-90.39	9.778	2.834	-17.542	-1354.09
1554_1554	1554	1554	2993.223	167.392	-13.287	-1.666	16.927	1354.097
1554_1555	1554	1555	-2990.22	-158.356	13.287	1.666	76.726	-206.085
1555_1555	1555	1555	2980.684	260.458	-27.798	-1.479	-74.372	204.551
1555_1556	1555	1556	-2976.65	-246.655	27.798	1.479	370.32	2494.882
1556_1556	1556	1556	2968.555	329.413	-34.527	3.001	-368.688	-2495.12
1556_1557	1556	1557	-2967.38	-324.938	34.527	-3.001	486.935	3615.62
1557_1557	1557	1557	2942.439	350.252	23.544	7.807	-486.009	-3615.27
1557_1291	1557	1291	-2940.57	-342.914	-23.544	-7.807	354.045	5557.863
2000_2000	2000	2000	6.846	17.071	0.034	-0.047	0	-8.901
2000_2001	2000	2001	-20.751	8.725	-0.034	0.047	-0.54	90.202
2001_2001	2001	2001	20.754	-8.725	0.034	0.023	0.54	-90.201
2001_2002	2001	2002	-30.01	25.897	-0.034	-0.023	-0.9	-83.944
2002_2002	2002	2002	30.06	22.504	-0.046	-0.013	0.9	83.875
2002_2003	2002	2003	-26.036	-2.827	0.046	0.013	-0.343	66.476
2003_2003	2003	2003	26.035	2.827	-0.046	-0.02	0.343	-66.476
2003_2004	2003	2004	-22.008	16.867	0.046	0.02	0.215	-22.927
2004_2004	2004	2004	22.006	19.687	0.016	-0.046	-0.215	22.627
2004_2005	2004	2005	-21.929	-0.009	-0.016	0.046	0.026	97.336
2005_2005	2005	2005	21.93	0.009	0.016	0.022	-0.026	-97.335
2005_2006	2005	2006	-21.853	19.686	-0.016	-0.022	-0.163	-22.504
2006_2006	2006	2006	21.868	20.018	-0.004	-0.007	0.163	22.465
2006_2007	2006	2007	-21.455	-0.339	0.004	0.007	-0.112	101.093
2007_2007	2007	2007	21.455	0.339	-0.004	-0.007	0.112	-101.093
2007_2008	2007	2008	-21.042	19.341	0.004	0.007	-0.061	-14.978
2008_2008	2008	2008	21.037	19.494	0.003	0.043	0.061	15.314
2008_2009	2008	2009	-21.01	0.188	-0.003	-0.043	-0.099	102.132
2009_2009	2009	2009	21.01	-0.188	0.003	-0.047	0.099	-102.132
2009_2010	2009	2010	-20.982	19.883	-0.003	0.047	-0.136	-20.272
2010_2010	2010	2010	20.988	19.337	0.002	0.003	0.136	20.274
2010_2011	2010	2011	-21.708	0.345	-0.002	-0.003	-0.165	95.951
2011_2011	2011	2011	21.708	-0.345	0.002	0.003	0.165	-95.951
2011_2012	2011	2012	-22.429	20.026	-0.002	-0.003	-0.194	-27.502
2012_2012	2012	2012	22.446	18.62	-0.007	0.04	0.194	27.223
2012_2013	2012	2013	-20.968	1.057	0.007	-0.04	-0.11	77.779
2013_2013	2013	2013	20.969	-1.057	-0.007	-0.028	0.11	-77.779
2013_2014	2013	2014	-19.49	20.749	0.007	0.028	-0.026	-56.985
2014_2014	2014	2014	19.491	19.057	0.021	0.019	0.026	56.922
2014_2015	2014	2015	-38.613	7.749	-0.021	-0.019	-0.368	56.865
2015_2015	2015	2015	38.551	-7.751	0.02	-0.014	0.366	-56.769
2015_2016	2015	2016	-48.056	21.08	-0.02	0.014	-0.534	-52.183
2016_2016	2016	2016	18.183	19.84	-0.001	0.013	0.519	101.643
2016_2017	2016	2017	-22.394	-1.115	0.001	-0.013	-0.508	26.027
2017_2017	2017	2017	22.395	1.115	-0.001	-0.003	0.508	-26.027
2017_2018	2017	2018	-27.14	19.981	0.001	0.003	-0.498	-93.833
2018_2018	2018	2018	27.14	19.412	0.023	0.006	0.498	93.956
2018_2019	2018	2019	-26.19	0.5	-0.023	-0.006	-0.78	23.247
2019_2019	2019	2019	26.191	-0.5	0.023	-0.013	0.78	-23.247

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2019_2020	2019	2020	-25.241	20.411	-0.023	0.013	-1.064	-108.449
2020_2020	2020	2020	25.213	21.088	0.001	-0.019	1.064	108.473
2020_2021	2020	2021	-24.832	-5.948	-0.001	0.019	-1.074	19.808
2021_2021	2021	2021	24.815	5.948	0	0.004	1.075	-19.786
2021_2022	2021	2022	-24.504	6.39	0	-0.004	-1.078	17.907
2022_2022	2022	2022	24.504	-6.39	0	0.002	1.078	-17.907
2022_2023	2022	2023	-24.192	18.744	0	-0.002	-1.082	-79.723
2023_2023	2023	2023	24.194	19.351	-0.115	-0.019	1.082	79.677
2023_2024	2023	2024	-23.845	-6.614	0.115	0.019	-0.162	23.87
2024_2024	2024	2024	23.845	6.614	-0.115	-0.019	0.162	-23.87
2024_2025	2024	2025	-23.497	6.123	0.115	0.019	0.759	25.565
2025_2025	2025	2025	23.496	-6.123	-0.116	0.009	-0.759	-25.565
2025_2026	2025	2026	-23.147	18.878	0.116	-0.009	1.684	-74.799
2026_2026	2026	2026	23.148	18.927	-0.014	-0.026	-1.684	74.611
2026_2027	2026	2027	-23.241	-9.367	0.014	0.026	1.769	10.369
2027_2027	2027	2027	23.241	9.367	-0.014	-0.04	-1.769	-10.369
2027_2028	2027	2028	-23.333	0.177	0.014	0.04	1.851	37.968
2028_2028	2028	2028	23.333	-0.177	-0.014	0.016	-1.851	-37.968
2028_2029	2028	2029	-23.426	9.737	0.014	-0.016	1.936	8.286
2029_2029	2029	2029	23.426	-9.737	-0.014	0.016	-1.936	-8.286
2029_2030	2029	2030	-23.518	19.298	0.014	-0.016	2.021	-78.779
2030_2030	2030	2030	23.518	18.452	0.07	-0.017	-2.021	78.719
2030_2031	2030	2031	-23.902	-5.706	-0.07	0.017	1.46	18.191
2031_2031	2031	2031	23.902	5.706	0.07	0.008	-1.46	-18.191
2031_2032	2031	2032	-24.285	7.026	-0.07	-0.008	0.904	13.165
2032_2032	2032	2032	24.286	-7.026	0.07	-0.011	-0.904	-13.165
2032_2033	2032	2033	-24.67	19.773	-0.07	0.011	0.343	-93.807
2033_2033	2033	2033	24.674	18.604	0.022	-0.004	-0.343	93.828
2033_2034	2033	2034	-25.075	-6.251	-0.022	0.004	0.174	2.85
2034_2034	2034	2034	25.075	6.251	0.022	-0.008	-0.174	-2.85
2034_2035	2034	2035	-25.476	6.085	-0.022	0.008	0.001	3.789
2035_2035	2035	2035	25.476	-6.085	0.023	-0.01	-0.001	-3.789
2035_2036	2035	2036	-25.968	21.22	-0.023	0.01	-0.213	-125.571
2036_2036	2036	2036	25.914	21.15	0.006	-0.008	0.213	125.591
2036_2037	2036	2037	-26.653	-1.23	-0.006	0.008	-0.293	14.973
2037_2037	2037	2037	26.654	1.23	0.006	-0.006	0.293	-14.973
2037_2038	2037	2038	-27.392	18.674	-0.006	0.006	-0.372	-93.394
2038_2038	2038	2038	27.389	14.011	-0.152	-0.014	0.372	93.417
2038_2039	2038	2039	-19.102	7.08	0.152	0.014	1.639	-56.406
2039_2039	2039	2039	60.371	-4.234	-0.005	-0.009	-0.069	-9.382
2039_2040	2039	2040	-110.173	22.606	0.005	0.009	0.129	-94.459
2040_2040	2040	2040	110.173	19.197	0.017	-0.012	-0.129	94.58
2040_2041	2040	2041	-112.197	-6.301	-0.017	0.012	-0.013	13.649
2041_2041	2041	2041	112.197	6.301	0.017	-0.013	0.013	-13.649
2041_2042	2041	2042	-116.162	18.958	-0.017	0.013	-0.292	-82.688
2042_2042	2042	2042	116.168	20.609	-0.01	0.017	0.292	82.71
2042_2043	2042	2043	-105.688	-1.9	0.01	-0.017	-0.177	40.867
2043_2043	2043	2043	105.688	1.9	-0.01	-0.034	0.177	-40.868
2043_2044	2043	2044	-95.217	16.792	0.01	0.034	-0.063	-59.33
2044_2044	2044	2044	95.213	19.551	0.004	-0.002	0.063	59.472
2044_2045	2044	2045	-88.195	-0.842	-0.004	0.002	-0.11	55.075
2045_2045	2045	2045	88.195	0.842	0.004	-0.002	0.11	-55.075
2045_2046	2045	2046	-81.177	17.867	-0.004	0.002	-0.156	-54.344

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2046_2046	2046	2046	81.196	19.243	0	0.004	0.156	54.126
2046_2047	2046	2047	-74.282	-0.541	0	-0.004	-0.158	56.662
2047_2047	2047	2047	74.282	0.541	0	0.004	0.158	-56.662
2047_2048	2047	2048	-67.368	18.16	0	-0.004	-0.16	-56.337
2048_2048	2048	2048	67.38	18.667	-0.006	-0.012	0.16	56.217
2048_2049	2048	2049	-59.938	0.034	0.006	0.012	-0.089	46.794
2049_2049	2049	2049	59.937	-0.034	-0.006	0.033	0.089	-46.795
2049_2050	2049	2050	-52.495	18.735	0.006	-0.033	-0.018	-73.967
2050_2050	2050	2050	52.51	18.425	0.01	0.017	0.018	73.783
2050_2051	2050	2051	-50.622	6.805	-0.01	-0.017	-0.186	17.929
2051_2051	2051	2051	50.568	-6.805	0.01	0.01	0.184	-17.847
2051_2052	2051	2052	-49.606	19.686	-0.01	-0.01	-0.269	-92.38
2052_2052	2052	2052	49.61	19.774	-0.021	0.014	0.269	92.461
2052_2053	2052	2053	-27.408	-1.409	0.021	-0.014	-0.018	5.68
2053_2053	2053	2053	27.264	2.442	0	0.013	0.013	-6.273
2053_2054	2053	2054	-29.602	17.634	0	-0.013	-0.007	-92.106
2054_2054	2054	2054	29.603	18.27	0.036	0.015	0.007	91.964
2054_2055	2054	2055	-30.428	0.661	-0.036	-0.015	-0.457	19.173
2055_2055	2055	2055	30.428	-0.661	0.036	0.001	0.457	-19.173
2055_2056	2055	2056	-31.253	19.592	-0.036	-0.001	-0.906	-106.304
2056_2056	2056	2056	31.232	20.125	-0.031	0.014	0.906	106.325
2056_2057	2056	2057	-30.468	-5.733	0.031	-0.014	-0.613	15.829
2057_2057	2057	2057	30.45	5.733	-0.031	-0.004	0.612	-15.808
2057_2058	2057	2058	-29.826	6.002	0.031	0.004	-0.373	14.193
2058_2058	2058	2058	29.827	-6.002	-0.031	0.011	0.373	-14.193
2058_2059	2058	2059	-29.204	17.738	0.031	-0.011	-0.134	-78.349
2059_2059	2059	2059	29.206	18.78	-0.096	0.004	0.134	78.342
2059_2060	2059	2060	-27.729	-6.654	0.096	-0.004	0.637	21.962
2060_2060	2060	2060	27.729	6.654	-0.096	0.005	-0.637	-21.962
2060_2061	2060	2061	-26.254	5.456	0.096	-0.005	1.408	25.247
2061_2061	2061	2061	26.254	-5.456	-0.096	0.003	-1.408	-25.247
2061_2062	2061	2062	-24.777	17.582	0.096	-0.003	2.179	-68.478
2062_2062	2062	2062	24.778	18.32	0.005	-0.013	-2.179	68.385
2062_2063	2062	2063	-24.122	-9.244	-0.005	0.013	2.151	13.452
2063_2063	2063	2063	24.122	9.244	0.005	-0.029	-2.151	-13.452
2063_2064	2063	2064	-23.465	-0.153	-0.005	0.029	2.123	40.904
2064_2064	2064	2064	23.465	0.153	0.005	0.031	-2.123	-40.904
2064_2065	2064	2065	-22.808	8.938	-0.005	-0.031	2.096	13.797
2065_2065	2065	2065	22.808	-8.938	0.005	0.031	-2.096	-13.797
2065_2066	2065	2066	-22.152	18.029	-0.005	-0.031	2.068	-67.875
2066_2066	2066	2066	22.154	18.057	0.11	0.006	-2.068	67.703
2066_2067	2066	2067	-21.252	-5.935	-0.11	-0.006	1.185	27.142
2067_2067	2067	2067	21.252	5.935	0.11	0.008	-1.185	-27.142
2067_2068	2067	2068	-20.352	6.173	-0.11	-0.008	0.304	25.033
2068_2068	2068	2068	20.352	-6.173	0.11	0.007	-0.304	-25.033
2068_2069	2068	2069	-19.45	18.295	-0.11	-0.007	-0.578	-74.035
2069_2069	2069	2069	19.452	17.528	0.015	0.005	0.578	73.966
2069_2070	2069	2070	-20.25	-5.784	-0.015	-0.005	-0.692	17.19
2070_2070	2070	2070	20.25	5.784	0.015	0.006	0.692	-17.19
2070_2071	2070	2071	-21.046	5.944	-0.015	-0.006	-0.806	17.358
2071_2071	2071	2071	21.026	-5.944	0.015	0.003	0.811	-17.339
2071_2072	2071	2072	-22.003	20.342	-0.015	-0.003	-0.952	-106.634
2072_2072	2072	2072	22.007	20.413	0.012	0.004	0.952	106.604

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2072_2073	2072	2073	-20.527	-1.483	-0.012	-0.004	-1.104	28.364
2073_2073	2073	2073	20.527	1.483	0.012	0.004	1.104	-28.364
2073_2074	2073	2074	-19.048	17.446	-0.012	-0.004	-1.256	-73.239
2074_2074	2074	2074	19.052	14.268	-0.254	-0.002	1.256	73.295
2074_2075	2074	2075	0.382	5.799	0.254	0.002	2.112	-38.286
2075_2075	2075	2075	45.192	-3.12	-0.01	-0.001	0.186	-34.784
2075_2076	2075	2076	-88.904	20.537	0.01	0.001	-0.068	-53.984
2076_2076	2076	2076	88.896	17.83	0.012	-0.045	0.068	53.979
2076_2077	2076	2077	-86.263	-5.609	-0.012	0.045	-0.169	40.213
2077_2077	2077	2077	86.188	5.609	0.012	0.018	0.171	-40.084
2077_2078	2077	2078	-81.502	16.134	-0.012	-0.018	-0.349	-41.575
2078_2078	2078	2078	81.495	17.838	-0.011	-0.006	0.349	41.815
2078_2079	2078	2079	-77.057	-1.167	0.011	0.006	-0.231	60.1
2079_2079	2079	2079	77.057	1.167	-0.011	-0.003	0.231	-60.1
2079_2080	2079	2080	-72.623	15.489	0.011	0.003	-0.113	-25.424
2080_2080	2080	2080	72.624	16.768	0.001	-0.035	0.113	25.427
2080_2081	2080	2081	-69.792	-0.101	-0.001	0.035	-0.122	66.26
2081_2081	2081	2081	69.793	0.101	0.001	0.032	0.122	-66.26
2081_2082	2081	2082	-66.961	16.566	-0.001	-0.032	-0.13	-29.567
2082_2082	2082	2082	66.975	18.073	-0.001	-0.032	0.13	29.429
2082_2083	2082	2083	-63.886	-0.175	0.001	0.032	-0.118	77.105
2083_2083	2083	2083	63.886	0.175	-0.001	0.035	0.118	-77.105
2083_2084	2083	2084	-60.794	17.738	0.001	-0.035	-0.105	-32.776
2084_2084	2084	2084	60.804	16.804	-0.002	-0.025	0.105	32.771
2084_2085	2084	2085	-58.565	-0.14	0.002	0.025	-0.08	59.667
2085_2085	2085	2085	58.564	0.14	-0.002	0.035	0.08	-59.667
2085_2086	2085	2086	-56.327	16.51	0.002	-0.035	-0.056	-35.172
2086_2086	2086	2086	56.319	16.185	0.007	-0.015	0.056	35.412
2086_2087	2086	2087	-53.288	0.479	-0.007	0.015	-0.139	48.939
2087_2087	2087	2087	53.287	-0.479	0.007	0.031	0.139	-48.94
2087_2088	2087	2088	-50.255	17.143	-0.007	-0.031	-0.223	-54.155
2088_2088	2088	2088	50.262	15.162	-0.015	0.007	0.223	54.153
2088_2089	2088	2089	-54.118	5.768	0.015	-0.007	-0.01	16.135
2089_2089	2089	2089	54.066	-5.768	-0.015	0.006	0.009	-16.061
2089_2090	2089	2090	-56.317	17.983	0.015	-0.006	0.116	-79.56
2090_2090	2090	2090	56.324	18.031	0	0.006	-0.116	79.768
2090_2091	2090	2091	-37.074	-0.614	0	-0.006	0.12	6.224
2091_2091	2091	2091	37.279	1.516	0.029	0.006	-0.23	-6.964
2091_2092	2091	2092	-41.663	17.816	-0.029	-0.006	-0.149	-96.552
2092_2092	2092	2092	41.664	17.883	-0.008	0.006	0.149	96.403
2092_2093	2092	2093	-41.642	0.351	0.008	-0.006	-0.048	13.361
2093_2093	2093	2093	41.643	-0.351	-0.008	-0.004	0.048	-13.361
2093_2094	2093	2094	-41.62	18.599	0.008	0.004	0.053	-104.901
2094_2094	2094	2094	41.636	19.299	-0.008	0.005	-0.053	104.869
2094_2095	2094	2095	-41.154	-5.43	0.008	-0.005	0.133	12.24
2095_2095	2095	2095	41.089	5.43	-0.009	-0.007	-0.134	-12.153
2095_2096	2095	2096	-40.696	5.87	0.009	0.007	0.201	10.123
2096_2096	2096	2096	40.696	-5.87	-0.009	0.004	-0.201	-10.123
2096_2097	2096	2097	-40.303	17.184	0.009	-0.004	0.267	-79.576
2097_2097	2097	2097	40.309	17.937	0.009	-0.002	-0.267	79.445
2097_2098	2097	2098	-39.366	-6.273	-0.009	0.002	0.196	16.316
2098_2098	2098	2098	39.366	6.273	0.009	-0.002	-0.196	-16.316
2098_2099	2098	2099	-38.422	5.405	-0.009	0.002	0.126	18.798

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2099_2099	2099	2099	38.422	-5.405	0.009	-0.002	-0.126	-18.798
2099_2100	2099	2100	-37.478	17.083	-0.009	0.002	0.055	-72.177
2100_2100	2100	2100	37.476	17.549	-0.005	0	-0.055	72.149
2100_2101	2100	2101	-37.135	-8.79	0.005	0	0.083	6.47
2101_2101	2101	2101	37.135	8.79	-0.005	0	-0.083	-6.47
2101_2102	2101	2102	-36.794	-0.046	0.005	0	0.112	32.518
2102_2102	2102	2102	36.794	0.046	-0.005	-0.001	-0.112	-32.518
2102_2103	2102	2103	-36.452	8.713	0.005	0.001	0.14	6.083
2103_2103	2103	2103	36.452	-8.713	-0.005	-0.001	-0.14	-6.083
2103_2104	2103	2104	-36.11	17.472	0.005	0.001	0.169	-72.924
2104_2104	2104	2104	36.11	17.253	-0.005	0.013	-0.169	72.928
2104_2105	2104	2105	-35.806	-5.574	0.005	-0.013	0.208	17.879
2105_2105	2105	2105	35.806	5.574	-0.005	-0.004	-0.208	-17.879
2105_2106	2105	2106	-35.502	6.09	0.005	0.004	0.248	15.273
2106_2106	2106	2106	35.502	-6.09	-0.005	-0.005	-0.248	-15.273
2106_2107	2106	2107	-35.198	17.769	0.005	0.005	0.289	-80.748
2107_2107	2107	2107	35.198	16.994	0.004	0.001	-0.289	80.777
2107_2108	2107	2108	-35.6	-5.68	-0.004	-0.001	0.258	7.471
2108_2108	2108	2108	35.6	5.68	0.004	-0.004	-0.258	-7.472
2108_2109	2108	2109	-36.001	5.619	-0.004	0.004	0.228	8.053
2109_2109	2109	2109	36.024	-5.619	0.004	0.001	-0.23	-8.081
2109_2110	2109	2110	-36.517	19.488	-0.004	-0.001	0.193	-110.807
2110_2110	2110	2110	36.508	19.367	0.032	0.005	-0.193	110.81
2110_2111	2110	2111	-36.47	-1.135	-0.032	-0.005	-0.203	16.862
2111_2111	2111	2111	36.469	1.135	0.032	-0.006	0.203	-16.862
2111_2112	2111	2112	-36.431	17.111	-0.032	0.006	-0.599	-83.419
2112_2112	2112	2112	36.432	13.452	-0.142	-0.005	0.599	83.449
2112_2113	2112	2113	-21.202	5.889	0.142	0.005	1.288	-50.474
2113_2113	2113	2113	62.743	-3.54	0.003	-0.007	0.231	-16.676
2113_2114	2113	2114	-105.484	20.638	-0.003	0.007	-0.266	-75.604
2114_2114	2114	2114	105.476	17.328	-0.009	-0.069	0.266	75.614
2114_2115	2114	2115	-106.425	-5.314	0.009	0.069	-0.188	19.585
2115_2115	2115	2115	106.429	5.314	-0.009	0.028	0.188	-19.584
2115_2116	2115	2116	-108.113	16.006	0.009	-0.028	-0.051	-55.528
2116_2116	2116	2116	108.115	18.079	0.003	-0.036	0.051	55.358
2116_2117	2116	2117	-100.891	-1.711	-0.003	0.036	-0.081	47.921
2117_2117	2117	2117	100.892	1.711	0.003	0.025	0.081	-47.92
2117_2118	2117	2118	-93.668	14.658	-0.003	-0.025	-0.112	-32.812
2118_2118	2118	2118	93.664	16.908	-0.002	0.032	0.112	32.81
2118_2119	2118	2119	-88.863	-0.541	0.002	-0.032	-0.088	60.023
2119_2119	2119	2119	88.862	0.541	-0.002	-0.036	0.088	-60.023
2119_2120	2119	2120	-84.056	15.841	0.002	0.036	-0.065	-31.29
2120_2120	2120	2120	84.068	18.146	-0.003	0.002	0.065	31.1
2120_2121	2120	2121	-78.761	-0.556	0.003	-0.002	-0.033	75.853
2121_2121	2121	2121	78.761	0.556	-0.003	0.002	0.033	-75.853
2121_2122	2121	2122	-73.454	17.034	0.003	-0.002	-0.001	-29.706
2122_2122	2122	2122	73.454	16.829	-0.003	0.005	0.001	29.706
2122_2123	2122	2123	-69.185	-0.449	0.003	-0.005	0.03	62.477
2123_2123	2123	2123	69.185	0.449	-0.003	0.006	-0.03	-62.477
2123_2124	2123	2124	-64.92	15.917	0.003	-0.006	0.061	-29.465
2124_2124	2124	2124	64.918	16.228	0.004	0.034	-0.061	29.477
2124_2125	2124	2125	-60.084	0.138	-0.004	-0.034	0.013	55
2125_2125	2125	2125	60.085	-0.138	0.004	-0.018	-0.013	-55

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2125_2126	2125	2126	-55.246	16.519	-0.004	0.018	-0.034	-44.656
2126_2126	2126	2126	55.267	14.798	-0.026	0.018	0.034	44.484
2126_2127	2126	2127	-57.037	5.397	0.026	-0.018	0.331	22.493
2127_2127	2127	2127	57.038	-5.397	-0.026	-0.005	-0.331	-22.492
2127_2128	2127	2128	-58.093	17.423	0.026	0.005	0.548	-70.696
2128_2128	2128	2128	58.086	17.749	0.045	0.006	-0.548	70.536
2128_2129	2128	2129	-38.419	-0.655	-0.045	-0.006	0.016	12.837
2129_2129	2129	2129	38.682	1.554	0.141	0.005	-0.474	-13.502
2129_2130	2129	2130	-44.03	17.759	-0.141	-0.005	-1.394	-88.512
2130_2130	2130	2130	44.032	17.247	-0.197	0.004	1.394	88.399
2130_2131	2130	2131	-44.497	0.959	0.197	-0.004	1.075	14.286
2131_2131	2131	2131	44.498	-0.959	-0.197	-0.006	-1.075	-14.286
2131_2132	2131	2132	-44.962	19.151	0.197	0.006	3.542	-110.415
2132_2132	2132	2132	41.617	18.377	0.27	-0.011	-3.542	84.709
2132_2133	2132	2133	-41.62	-4.54	-0.27	0.011	0.972	24.067
2133_2133	2133	2133	41.62	4.54	0.269	0.004	-0.972	-24.067
2133_2134	2133	2134	-41.622	6.747	-0.269	-0.004	-1.111	15.449
2134_2134	2134	2134	41.622	-6.747	0.269	0.004	1.111	-15.449
2134_2135	2134	2135	-41.625	18.05	-0.269	-0.004	-3.198	-80.83
2135_2135	2135	2135	41.639	18.375	-0.106	-0.007	3.198	81
2135_2136	2135	2136	-40.351	-6.722	0.106	0.007	-2.348	18.101
2136_2136	2136	2136	40.351	6.722	-0.109	0.012	2.348	-18.101
2136_2137	2136	2137	-39.063	4.932	0.109	-0.012	-1.477	23.958
2137_2137	2137	2137	39.063	-4.932	-0.106	-0.013	1.477	-23.959
2137_2138	2137	2138	-37.775	16.585	0.106	0.013	-0.628	-63.428
2138_2138	2138	2138	37.774	17.412	-0.01	0	0.628	63.429
2138_2139	2138	2139	-37.38	-8.671	0.01	0	-0.567	14.312
2139_2139	2139	2139	37.38	8.671	-0.01	0	0.567	-14.312
2139_2140	2139	2140	-36.985	0.069	0.01	0	-0.506	39.602
2140_2140	2140	2140	36.985	-0.069	-0.01	0	0.506	-39.602
2140_2141	2140	2141	-36.591	8.809	0.01	0	-0.445	12.441
2141_2141	2141	2141	36.591	-8.809	-0.01	0	0.445	-12.441
2141_2142	2141	2142	-36.197	17.549	0.01	0	-0.384	-67.17
2142_2142	2142	2142	36.204	17.141	-0.033	0.011	0.384	67.015
2142_2143	2142	2143	-35.837	-5.502	0.033	-0.011	-0.118	22.698
2143_2143	2143	2143	35.837	5.502	-0.031	-0.012	0.118	-22.698
2143_2144	2143	2144	-35.47	6.152	0.031	0.012	0.126	19.337
2144_2144	2144	2144	35.47	-6.152	-0.033	0.006	-0.126	-19.337
2144_2145	2144	2145	-35.102	17.806	0.033	-0.006	0.393	-77.271
2145_2145	2145	2145	35.098	16.866	-0.016	-0.003	-0.393	77.407
2145_2146	2145	2146	-36.119	-5.577	0.016	0.003	0.517	10.644
2146_2146	2146	2146	36.119	5.577	-0.016	-0.003	-0.517	-10.644
2146_2147	2146	2147	-37.141	5.713	0.016	0.003	0.641	11.189
2147_2147	2147	2147	37.22	-5.712	-0.018	0.002	-0.645	-11.281
2147_2148	2147	2148	-38.473	19.551	0.018	-0.002	0.819	-107.429
2148_2148	2148	2148	38.494	19.565	0.042	-0.01	-0.819	107.428
2148_2149	2148	2149	-37.566	-1.357	-0.042	0.01	0.289	21.875
2149_2149	2149	2149	37.567	1.357	0.041	0.004	-0.289	-21.875
2149_2150	2149	2150	-36.639	16.838	-0.041	-0.004	-0.217	-76.299
2150_2150	2150	2150	36.636	12.966	-0.065	-0.017	0.217	76.301
2150_2151	2150	2151	-17.224	6.335	0.065	0.017	0.642	-54.599
2151_2151	2151	2151	67.055	-3.564	-0.004	0.001	-0.092	-26.244
2151_2152	2151	2152	-114.089	21.418	0.004	-0.001	0.142	-66.968

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2152_2152	2152	2152	114.092	17.161	0.001	-0.01	-0.142	66.968
2152_2153	2152	2153	-115.424	-4.625	-0.001	0.01	0.134	25.088
2153_2153	2153	2153	115.617	4.625	0.001	-0.009	-0.133	-25.429
2153_2154	2153	2154	-117.846	16.251	-0.001	0.009	0.121	-50.824
2154_2154	2154	2154	117.843	18.401	0.002	-0.005	-0.121	50.823
2154_2155	2154	2155	-109.875	-1.688	-0.002	0.005	0.102	51.115
2155_2155	2155	2155	109.875	1.688	0.002	-0.005	-0.102	-51.115
2155_2156	2155	2156	-101.907	15.026	-0.002	0.005	0.084	-30.827
2156_2156	2156	2156	101.9	16.315	0.003	-0.031	-0.084	30.824
2156_2157	2156	2157	-96.996	-1.105	-0.003	0.031	0.056	51.095
2157_2157	2157	2157	96.996	1.105	0.002	0.032	-0.056	-51.095
2157_2158	2157	2158	-92.087	14.119	-0.002	-0.032	0.038	-19.406
2158_2158	2158	2158	92.091	15.111	0.002	0.006	-0.038	19.22
2158_2159	2158	2159	-87.473	0.099	-0.002	-0.006	0.014	50.815
2159_2159	2159	2159	87.473	-0.099	0.002	0.006	-0.014	-50.815
2159_2160	2159	2160	-82.854	15.308	-0.002	-0.006	-0.009	-31.42
2160_2160	2160	2160	82.834	16.466	0	0.01	0.009	31.6
2160_2161	2160	2161	-77.137	0.248	0	-0.01	-0.011	50.952
2161_2161	2161	2161	77.137	-0.248	0	0.01	0.011	-50.952
2161_2162	2161	2162	-71.44	16.961	0	-0.01	-0.014	-50.377
2162_2162	2162	2162	71.434	15.428	0.007	0.017	0.014	50.376
2162_2163	2162	2163	-72.971	5.464	-0.007	-0.017	-0.111	20.164
2163_2163	2163	2163	73.12	-5.464	0.008	0.001	0.112	-20.371
2163_2164	2163	2164	-74.044	17.984	-0.008	-0.001	-0.177	-75.033
2164_2164	2164	2164	74.049	18.846	-0.01	0.008	0.177	75.034
2164_2165	2164	2165	-51.472	-0.993	0.01	-0.008	-0.056	13.139
2165_2165	2165	2165	51.626	1.881	0.008	0.007	0.037	-13.412
2165_2166	2165	2166	-55.848	18.788	-0.008	-0.007	-0.142	-93.933
2166_2166	2166	2166	55.837	18.888	-0.002	0.001	0.142	93.936
2166_2167	2166	2167	-56.397	0.611	0.002	-0.001	-0.121	21.112
2167_2167	2167	2167	56.397	-0.611	-0.002	0.001	0.121	-21.112
2167_2168	2167	2168	-56.957	20.11	0.002	-0.001	-0.1	-107.621
2168_2168	2168	2168	56.978	20.659	-0.003	-0.01	0.1	107.504
2168_2169	2168	2169	-56.698	-5.855	0.003	0.01	-0.076	18.184
2169_2169	2169	2169	56.775	5.855	-0.002	-0.007	0.075	-18.28
2169_2170	2169	2170	-56.547	6.234	0.002	0.007	-0.056	16.696
2170_2170	2170	2170	56.548	-6.234	-0.004	0.011	0.056	-16.696
2170_2171	2170	2171	-56.319	18.324	0.004	-0.011	-0.023	-78.6
2171_2171	2171	2171	56.314	19.364	-0.001	-0.011	0.023	78.749
2171_2172	2171	2172	-54.919	-6.885	0.001	0.011	-0.013	24.881
2172_2172	2172	2172	54.918	6.885	-0.003	0.016	0.013	-24.88
2172_2173	2172	2173	-53.523	5.595	0.003	-0.016	0.01	28.66
2173_2173	2173	2173	53.523	-5.595	-0.001	-0.015	-0.01	-28.66
2173_2174	2173	2174	-52.128	18.074	0.001	0.015	0.02	-67.411
2174_2174	2174	2174	52.135	18.803	0	0.001	-0.02	67.249
2174_2175	2174	2175	-51.613	-9.444	0	-0.001	0.023	16.92
2175_2175	2175	2175	51.613	9.444	-0.001	0.001	-0.023	-16.92
2175_2176	2175	2176	-51.092	-0.1	0.001	-0.001	0.026	44.922
2176_2176	2176	2176	51.092	0.1	0	0	-0.026	-44.922
2176_2177	2176	2177	-50.57	9.26	0	0	0.029	16.851
2177_2177	2177	2177	50.57	-9.26	0	0	-0.029	-16.851
2177_2178	2177	2178	-50.047	18.619	0	0	0.032	-67.387
2178_2178	2178	2178	50.046	18.446	0.001	0.015	-0.032	67.549

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2178_2179	2178	2179	-49.45	-5.967	-0.001	-0.015	0.024	29.258
2179_2179	2179	2179	49.45	5.967	0.003	-0.016	-0.024	-29.258
2179_2180	2179	2180	-48.854	6.513	-0.003	0.016	0.003	26.213
2180_2180	2180	2180	48.854	-6.513	0.001	0.01	-0.003	-26.213
2180_2181	2180	2181	-48.258	18.992	-0.001	-0.01	-0.006	-76.685
2181_2181	2181	2181	48.244	18.029	0.002	-0.004	0.006	76.686
2181_2182	2181	2182	-49.066	-5.94	-0.002	0.004	-0.02	16.988
2182_2182	2182	2182	49.066	5.94	0.002	-0.004	0.02	-16.988
2182_2183	2182	2183	-49.889	6.15	-0.002	0.004	-0.034	16.954
2183_2183	2183	2183	49.994	-6.15	0	0.007	0.029	-17.074
2183_2184	2183	2184	-51.001	20.953	0	-0.007	-0.031	-110.597
2184_2184	2184	2184	51.04	20.893	-0.005	-0.013	0.031	110.703
2184_2185	2184	2185	-50.03	-1.394	0.005	0.013	0.037	27.251
2185_2185	2185	2185	50.032	1.394	-0.007	0.005	-0.037	-27.251
2185_2186	2185	2186	-49.022	18.105	0.007	-0.005	0.119	-78.573
2186_2186	2186	2186	49.01	14.955	0.002	-0.024	-0.119	78.575
2186_2187	2186	2187	-31.375	5.714	-0.002	0.024	0.098	-37.27
2187_2187	2187	2187	76.214	-3.316	0.001	0.003	-0.012	-36.034
2187_2188	2187	2188	-122.611	22.435	-0.001	-0.003	-0.002	-59.16
2188_2188	2188	2188	122.615	19.021	-0.002	-0.011	0.002	59.159
2188_2189	2188	2189	-118.457	-5.613	0.002	0.011	0.017	38.042
2189_2189	2189	2189	119.791	5.602	-0.002	-0.013	-0.017	-36.746
2189_2190	2189	2190	-112.83	16.772	0.002	0.013	0.049	-47.123
2190_2190	2190	2190	112.827	19.234	0.001	-0.009	-0.049	47.122
2190_2191	2190	2191	-107.029	-1.335	-0.001	0.009	0.041	59.248
2191_2191	2191	2191	107.029	1.335	0.001	-0.009	-0.041	-59.248
2191_2192	2191	2192	-101.232	16.563	-0.001	0.009	0.033	-31.299
2192_2192	2192	2192	101.221	17.336	0.002	0.031	-0.033	31.296
2192_2193	2192	2193	-96.948	-0.918	-0.002	-0.031	0.015	55.723
2193_2193	2193	2193	96.948	0.918	0.002	-0.038	-0.015	-55.723
2193_2194	2193	2194	-92.675	15.5	-0.002	0.038	-0.01	-22.941
2194_2194	2194	2194	92.663	16.197	0	-0.029	0.01	22.936
2194_2195	2194	2195	-88.525	0.221	0	0.029	-0.007	52.568
2195_2195	2195	2195	88.525	-0.221	-0.001	0.033	0.007	-52.568
2195_2196	2195	2196	-84.387	16.639	0.001	-0.033	0.003	-37.612
2196_2196	2196	2196	84.372	17.482	0	0.006	-0.003	37.606
2196_2197	2196	2197	-79.707	0.416	0	-0.006	0.004	50.279
2197_2197	2197	2197	79.707	-0.416	0	0.007	-0.004	-50.28
2197_2198	2197	2198	-75.046	18.298	0	-0.007	0.006	-58.563
2198_2198	2198	2198	75.04	16.54	0.003	0.009	-0.006	58.561
2198_2199	2198	2199	-77.896	5.834	-0.003	-0.009	-0.033	17.988
2199_2199	2199	2199	78.002	-5.833	0.003	0.009	0.036	-18.13
2199_2200	2199	2200	-79.715	19.257	-0.003	-0.009	-0.06	-83.624
2200_2200	2200	2200	79.727	20.327	-0.001	0.011	0.06	83.63
2200_2201	2200	2201	-54.973	-1.208	0.001	-0.011	-0.046	12.443
2201_2201	2201	2201	56.413	2.187	0.013	0.004	0.147	-14.854
2201_2202	2201	2202	-60.3	20.198	-0.013	-0.004	-0.322	-100.332
2202_2202	2202	2202	60.298	20.4	-0.009	0.009	0.322	100.337
2202_2203	2202	2203	-60.865	0.734	0.009	-0.009	-0.205	23.673
2203_2203	2203	2203	60.865	-0.734	-0.009	-0.008	0.205	-23.672
2203_2204	2203	2204	-61.432	21.868	0.009	0.008	-0.098	-116.539
2204_2204	2204	2204	61.469	22.363	0.012	0.011	0.098	116.548
2204_2205	2204	2205	-61.368	-6.301	-0.012	-0.011	-0.208	19.556

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2205_2205	2205	2205	61.533	6.301	0.013	-0.005	0.214	-19.747
2205_2206	2205	2206	-61.451	6.803	-0.013	0.005	-0.311	17.742
2206_2206	2206	2206	61.451	-6.803	0.013	-0.004	0.311	-17.742
2206_2207	2206	2207	-61.37	19.889	-0.013	0.004	-0.408	-85.63
2207_2207	2207	2207	61.356	20.815	-0.049	0.007	0.408	85.784
2207_2208	2207	2208	-60.119	-7.289	0.049	-0.007	-0.017	25.34
2208_2208	2208	2208	60.119	7.289	-0.048	-0.022	0.017	-25.34
2208_2209	2208	2209	-58.882	6.237	0.048	0.022	0.366	28.237
2209_2209	2209	2209	58.882	-6.237	-0.049	0.01	-0.366	-28.237
2209_2210	2209	2210	-57.645	19.763	0.049	-0.01	0.758	-77.093
2210_2210	2210	2210	57.65	20.37	-0.012	0.001	-0.758	77.093
2210_2211	2210	2211	-57.135	-10.226	0.012	-0.001	0.83	14.078
2211_2211	2211	2211	57.135	10.226	-0.012	0.001	-0.83	-14.078
2211_2212	2211	2212	-56.621	-0.081	0.012	-0.001	0.902	44.371
2212_2212	2212	2212	56.621	0.081	-0.012	0.001	-0.902	-44.371
2212_2213	2212	2213	-56.106	10.064	0.012	-0.001	0.973	13.787
2213_2213	2213	2213	56.106	-10.064	-0.012	0.001	-0.973	-13.787
2213_2214	2213	2214	-55.591	20.208	0.012	-0.001	1.045	-77.674
2214_2214	2214	2214	55.585	20.11	0.049	-0.006	-1.045	77.487
2214_2215	2214	2215	-54.988	-6.584	-0.049	0.006	0.652	28.39
2215_2215	2215	2215	54.988	6.584	0.049	-0.005	-0.652	-28.39
2215_2216	2215	2216	-54.391	6.925	-0.049	0.005	0.259	26.114
2216_2216	2216	2216	54.392	-6.925	0.048	0.021	-0.259	-26.114
2216_2217	2216	2217	-53.794	20.451	-0.048	-0.021	-0.125	-84.323
2217_2217	2217	2217	53.789	19.538	-0.024	-0.01	0.125	84.472
2217_2218	2217	2218	-54.409	-6.435	0.024	0.01	0.059	16.791
2218_2218	2218	2218	54.409	6.435	-0.025	0.006	-0.059	-16.791
2218_2219	2218	2219	-55.029	6.669	0.025	-0.006	0.254	16.49
2219_2219	2219	2219	55.073	-6.668	-0.025	0.003	-0.255	-16.535
2219_2220	2219	2220	-55.832	22.731	0.025	-0.003	0.492	-122.39
2220_2220	2220	2220	55.867	22.778	0.101	0.011	-0.492	122.307
2220_2221	2220	2221	-54.397	-1.664	-0.101	-0.011	-0.774	28.363
2221_2221	2221	2221	54.396	1.664	0.102	-0.008	0.774	-28.363
2221_2222	2221	2222	-52.926	19.468	-0.102	0.008	-2.051	-84.886
2222_2222	2222	2222	52.937	16.405	-0.493	0.005	2.051	85.027
2222_2223	2222	2223	-37.371	5.994	0.493	-0.005	4.479	-34.188
2223_2223	2223	2223	76.889	-3.614	-0.006	-0.015	-0.064	-29.274
2223_2224	2223	2224	-123.942	24.317	0.006	0.015	0.135	-79.684
2224_2224	2224	2224	123.94	22.166	0.018	-0.021	-0.135	79.859
2224_2225	2224	2225	-120.015	-7.629	-0.018	0.021	-0.01	39.223
2225_2225	2225	2225	120.239	7.627	0.017	0.005	0.01	-39.599
2225_2226	2225	2226	-112.547	20.882	-0.017	-0.005	-0.292	-75.135
2226_2226	2226	2226	112.544	22.74	-0.005	0.223	0.292	74.861
2226_2227	2226	2227	-105.915	-1.226	0.005	-0.223	-0.236	63.977
2227_2227	2227	2227	105.909	1.226	-0.004	-0.221	0.236	-63.979
2227_2228	2227	2228	-99.28	20.29	0.004	0.221	-0.188	-59.899
2228_2228	2228	2228	99.222	22.018	0.016	0.037	0.188	60.019
2228_2229	2228	2229	-93.693	-0.5	-0.016	-0.037	-0.38	71.093
2229_2229	2229	2229	93.693	0.5	0.016	-0.028	0.38	-71.093
2229_2230	2229	2230	-88.164	21.019	-0.016	0.028	-0.572	-60.6
2230_2230	2230	2230	88.131	21.671	-0.008	0.356	0.572	60.792
2230_2231	2230	2231	-83.529	0.006	0.008	-0.356	-0.479	66.794
2231_2231	2231	2231	83.533	-0.006	-0.006	-0.341	0.479	-66.792

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2231_2232	2231	2232	-78.934	21.671	0.006	0.341	-0.4	-72.157
2232_2232	2232	2232	78.879	21.733	0.015	0.024	0.4	72.018
2232_2233	2232	2233	-77.031	2.914	-0.015	-0.024	-0.603	56.747
2233_2233	2233	2233	77.299	-2.915	0.015	-0.021	0.6	-57.058
2233_2234	2233	2234	-75.924	21.127	-0.015	0.021	-0.751	-69.317
2234_2234	2234	2234	75.955	19.019	-0.055	0.075	0.751	69.324
2234_2235	2234	2235	-62.572	1.08	0.055	-0.075	-0.12	15.683
2235_2235	2235	2235	63.667	-0.448	-0.308	-0.093	2.487	-17.465
2235_2236	2235	2236	-67.45	19.028	0.308	0.093	0.574	-75.487
2236_2236	2236	2236	67.38	18.898	0.188	-0.012	-0.574	75.643
2236_2237	2236	2237	-67.661	0.751	-0.188	0.012	-1.394	20.083
2237_2237	2237	2237	67.66	-0.751	0.187	0	1.394	-20.083
2237_2238	2237	2238	-67.951	21.055	-0.187	0	-3.427	-97.6
2238_2238	2238	2238	68.107	23.071	-0.173	0.136	3.427	97.611
2238_2239	2238	2239	-68.632	-3.441	0.173	-0.136	-1.616	42.128
2239_2239	2239	2239	68.629	3.441	-0.172	-0.11	1.616	-42.129
2239_2240	2239	2240	-69.331	22.796	0.172	0.11	0.798	-92.436
2240_2240	2240	2240	69.397	21.026	-0.035	-0.01	-0.795	92.288
2240_2241	2240	2241	-67.679	-3.48	0.035	0.01	1.126	20.857
2241_2241	2241	2241	67.679	3.48	-0.035	0.004	-1.126	-20.857
2241_2242	2241	2242	-65.799	15.716	0.035	-0.004	1.488	-43.681
2242_2242	2242	2242	65.806	17.869	-0.069	0.008	-1.488	43.771
2242_2243	2242	2243	-64.977	0.576	0.069	-0.008	2.164	40.532
2243_2243	2243	2243	64.977	-0.576	-0.069	-0.009	-2.164	-40.532
2243_2244	2243	2244	-64.153	18.89	0.069	0.009	2.835	-55.522
2244_2244	2244	2244	64.128	19.158	0.017	0.118	-2.835	55.536
2244_2245	2244	2245	-63.593	-2.053	-0.017	-0.118	2.682	40.669
2245_2245	2245	2245	63.592	2.053	0.017	-0.099	-2.682	-40.67
2245_2246	2245	2246	-62.978	17.577	-0.017	0.099	2.5	-41.471
2246_2246	2246	2246	62.972	16.215	-0.028	0.007	-2.5	41.46
2246_2247	2246	2247	-62.146	3.039	0.028	-0.007	2.787	25.122
2247_2247	2247	2247	62.146	-3.039	-0.028	-0.001	-2.787	-25.122
2247_2248	2247	2248	-61.395	20.546	0.028	0.001	3.048	-86.18
2248_2248	2248	2248	61.349	22.207	0.262	0.292	-3.048	85.855
2248_2249	2248	2249	-62.548	1.669	-0.262	-0.292	-0.295	45.87
2249_2249	2249	2249	62.644	-1.668	0.264	-0.313	0.293	-45.966
2249_2250	2249	2250	-63.745	23.655	-0.264	0.313	-3.399	-101.976
2250_2250	2250	2250	63.78	21.354	-0.132	-0.003	3.399	101.978
2250_2251	2250	2251	-65.099	4.715	0.132	0.003	-1.563	15.148
2251_2251	2251	2251	65.1	-4.715	-0.132	0.005	1.563	-15.148
2251_2252	2251	2252	-65.83	19.141	0.132	-0.005	-0.546	-76.021
2252_2252	2252	2252	65.599	19.043	0.046	-0.006	0.546	75.985
2252_2253	2252	2253	-55.177	-0.122	-0.046	0.006	-1.013	8.62
2253_2253	2253	2253	55.205	0.122	0.047	-0.014	1.013	-8.628
2253_2254	2253	2254	-42.641	22.689	-0.047	0.014	-1.588	-143.555
2254_2254	2254	2254	99.331	19.281	-0.128	-0.034	2.116	52.391
2254_2255	2254	2255	-117.408	-1.468	0.128	0.034	-0.96	63.643
2255_2255	2255	2255	117.412	1.468	-0.128	0.029	0.96	-63.643
2255_2256	2255	2256	-147.148	27.833	0.128	-0.029	0.942	-94.76
2256_2256	2256	2256	147.121	23.986	0.067	0.248	-0.934	94.599
2256_2257	2256	2257	-146.202	-1.878	-0.067	-0.248	0.187	49.598
2257_2257	2257	2257	146.214	1.878	0.067	-0.238	-0.187	-49.594
2257_2258	2257	2258	-145.239	21.56	-0.067	0.238	-0.602	-67.609

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2258_2258	2258	2258	145.251	22.368	-0.003	-0.009	0.602	67.823
2258_2259	2258	2259	-147.137	0.548	0.003	0.009	-0.568	61.424
2259_2259	2259	2259	147.137	-0.548	-0.003	0.021	0.568	-61.424
2259_2260	2259	2260	-149.001	23.206	0.003	-0.021	-0.534	-72.039
2260_2260	2260	2260	148.996	21.734	0.002	0.53	0.534	71.949
2260_2261	2260	2261	-152.802	1.281	-0.002	-0.53	-0.557	51.707
2261_2261	2261	2261	152.807	-1.281	0.002	-0.526	0.557	-51.7
2261_2262	2261	2262	-156.533	23.816	-0.002	0.526	-0.577	-86.929
2262_2262	2262	2262	156.553	22.988	0.026	-0.016	0.577	86.838
2262_2263	2262	2263	-159.152	1.959	-0.026	0.016	-0.908	48.783
2263_2263	2263	2263	159.15	-1.959	0.026	0.018	0.908	-48.784
2263_2264	2263	2264	-161.573	25.21	-0.026	-0.018	-1.216	-108.353
2264_2264	2264	2264	161.604	23.324	-0.038	0.164	1.216	108.631
2264_2265	2264	2265	-161.841	1.93	0.038	-0.164	-0.728	27.826
2265_2265	2265	2265	162.044	-1.93	-0.038	-0.202	0.747	-28.183
2265_2266	2265	2266	-162.26	25.209	0.038	0.202	-0.302	-131.876
2266_2266	2266	2266	162.294	26.217	0.036	0	0.302	131.739
2266_2267	2266	2267	-137.122	-5.638	-0.036	0	-0.672	2.548
2267_2267	2267	2267	137.128	5.638	0.036	-0.039	0.672	-2.547
2267_2268	2267	2268	-114.345	12.988	-0.036	0.039	-1.007	-60.655
2268_2268	2268	2268	64.577	22.819	-0.07	-0.005	0.996	141.854
2268_2269	2268	2269	-77.358	-0.592	0.07	0.005	-0.225	1.973
2269_2269	2269	2269	77.366	0.592	-0.07	-0.017	0.225	-1.976
2269_2270	2269	2270	-92.644	25.979	0.07	0.017	0.701	-148.993
2270_2270	2270	2270	92.661	34.653	0.029	-0.019	-0.701	149.098
2270_2271	2270	2271	-57.758	-11.211	-0.029	0.019	0.365	81.883
2271_2271	2271	2271	57.786	11.209	0.029	-0.019	-0.365	-81.903
2271_2272	2271	2272	-19.765	14.329	-0.029	0.019	0	22.014
2372_2372	2372	2372	17.993	10.147	-0.137	-0.038	0	-23.92
2372_2373	2372	2373	-50.129	8.312	0.137	0.038	1.69	70.442
2373_2373	2373	2373	50.129	-8.312	-0.137	0.019	-1.69	-70.442
2373_2374	2373	2374	-81.546	26.358	0.137	-0.019	3.341	-104.519
2374_2374	2374	2374	81.501	20.213	0.103	-0.003	-3.341	103.896
2374_2375	2374	2375	-72.88	-1.968	-0.103	0.003	2.089	22.194
2375_2375	2375	2375	72.88	1.968	0.103	0.005	-2.089	-22.194
2375_2376	2375	2376	-65.363	13.938	-0.103	-0.005	0.997	-49.657
2376_2376	2376	2376	65.349	15.264	0.14	0.161	-0.997	49.573
2376_2377	2376	2377	-65.936	1.507	-0.14	-0.161	-0.577	27.994
2377_2377	2377	2377	65.934	-1.507	0.139	-0.166	0.577	-27.997
2377_2378	2377	2378	-66.487	17.317	-0.139	0.166	-2.049	-71.245
2378_2378	2378	2378	66.491	18.143	-0.048	0.011	2.049	71.233
2378_2379	2378	2379	-67.025	1.262	0.048	-0.011	-1.428	38.345
2379_2379	2379	2379	67.025	-1.262	-0.048	-0.017	1.428	-38.346
2379_2380	2379	2380	-67.488	18.082	0.048	0.017	-0.889	-70.568
2380_2380	2380	2380	67.635	15.123	-0.092	0.007	0.885	70.414
2380_2381	2380	2381	-69.783	1.313	0.092	-0.007	0.131	7.978
2381_2381	2381	2381	69.78	-1.313	-0.093	-0.028	-0.131	-7.978
2381_2382	2381	2382	-71.702	16.02	0.093	0.028	1.047	-75.151
2382_2382	2382	2382	71.712	18.074	0.035	-0.017	-1.047	74.753
2382_2383	2382	2383	-62.849	0.573	-0.035	0.017	0.616	23.794
2383_2383	2383	2383	62.849	-0.573	0.035	-0.008	-0.616	-23.794
2383_2384	2383	2384	-54.894	17.309	-0.035	0.008	0.229	-85.914
2384_2384	2384	2384	77.635	17.941	0	-0.026	-0.052	49.16

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2384_2385	2384	2385	-66.765	-1.78	0	0.026	0.051	45.751
2385_2385	2385	2385	66.766	1.78	0	0.017	-0.051	-45.751
2385_2386	2385	2386	-54.778	16.043	0	-0.017	0.048	-53.968
2386_2386	2386	2386	54.859	18.404	-0.002	0.253	-0.046	53.765
2386_2387	2386	2387	-56.52	-0.067	0.002	-0.253	0.068	63.365
2387_2387	2387	2387	56.507	0.067	-0.003	-0.248	-0.068	-63.37
2387_2388	2387	2388	-58.125	17.791	0.003	0.248	0.099	-40.664
2388_2388	2388	2388	58.123	18.555	0.008	-0.019	-0.099	40.733
2388_2389	2388	2389	-57.529	0.795	-0.008	0.019	-0.01	75.087
2389_2389	2389	2389	57.53	-0.795	0.008	0.054	0.01	-75.086
2389_2390	2389	2390	-57.013	17.632	-0.008	-0.054	-0.105	-29.725
2390_2390	2390	2390	57.005	18.264	0.001	0.319	0.105	29.745
2390_2391	2390	2391	-57.267	1.568	-0.001	-0.319	-0.12	82.693
2391_2391	2391	2391	57.26	-1.568	0	-0.337	0.12	-82.696
2391_2392	2391	2392	-57.476	17.935	0	0.337	-0.124	-24.432
2392_2392	2392	2392	57.497	17.907	0.004	0.019	0.124	24.132
2392_2393	2392	2393	-58.393	1.205	-0.004	-0.019	-0.169	84.786
2393_2393	2393	2393	58.393	-1.205	0.004	0.037	0.169	-84.786
2393_2394	2393	2394	-59.194	18.273	-0.004	-0.037	-0.21	-26.31
2394_2394	2394	2394	59.175	17.98	0.013	0.425	0.21	26.628
2394_2395	2394	2395	-59.883	-0.392	-0.013	-0.425	-0.364	83.088
2395_2395	2395	2395	59.888	0.392	0.012	-0.345	0.364	-83.089
2395_2396	2395	2396	-60.638	18.221	-0.012	0.345	-0.517	-28.171
2396_2396	2396	2396	60.651	16.728	-0.035	0.039	0.517	28.004
2396_2397	2396	2397	-64.681	1.26	0.035	-0.039	-0.098	70.096
2397_2397	2397	2397	64.682	-1.26	-0.035	0.02	0.098	-70.096
2397_2398	2397	2398	-68.76	19.463	0.035	-0.02	0.327	-52.932
2398_2398	2398	2398	68.77	19.349	0.156	0.187	-0.327	52.92
2398_2399	2398	2399	-68.019	-0.422	-0.156	-0.187	-1.671	72.004
2399_2399	2399	2399	68.023	0.422	0.156	-0.14	1.671	-72.001
2399_2400	2399	2400	-67.274	18.454	-0.156	0.14	-3.659	-44.194
2400_2400	2400	2400	67.281	19.308	-0.249	0.037	3.659	44.292
2400_2401	2400	2401	-18.36	2.435	0.249	-0.037	0	24.607
2572_2572	2572	2572	17.833	10.218	-0.151	-0.012	0	-23.902
2572_2573	2572	2573	-50.228	8.261	0.151	0.012	1.864	71.518
2573_2573	2573	2573	50.228	-8.261	-0.151	0.004	-1.864	-71.518
2573_2574	2573	2574	-81.637	26.177	0.151	-0.004	3.672	-100.516
2574_2574	2574	2574	81.668	19.984	0.146	0.002	-3.672	100.994
2574_2575	2574	2575	-72.948	-2.021	-0.146	-0.002	1.912	21.697
2575_2575	2575	2575	72.948	2.021	0.146	-0.006	-1.912	-21.697
2575_2576	2575	2576	-65.303	13.726	-0.146	0.006	0.369	-48.383
2576_2576	2576	2576	65.288	15.292	0.092	0.164	-0.369	48.211
2576_2577	2576	2577	-65.677	1.53	-0.092	-0.164	-0.669	29.555
2577_2577	2577	2577	65.675	-1.53	0.092	-0.169	0.669	-29.558
2577_2578	2577	2578	-66.046	17.603	-0.092	0.169	-1.661	-73.077
2578_2578	2578	2578	66.034	18.022	-0.028	-0.016	1.661	73.09
2578_2579	2578	2579	-67.049	1.195	0.028	0.016	-1.299	35.512
2579_2579	2579	2579	67.05	-1.195	-0.028	0.015	1.299	-35.511
2579_2580	2579	2580	-67.942	18.094	0.028	-0.015	-0.98	-73.226
2580_2580	2580	2580	68.089	15.299	-0.105	-0.002	0.978	73.261
2580_2581	2580	2581	-69.171	1.087	0.105	0.002	0.173	6.25
2581_2581	2581	2581	69.169	-1.087	-0.105	-0.019	-0.173	-6.25
2581_2582	2581	2582	-70.137	15.739	0.105	0.019	1.202	-74.833

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2582_2582	2582	2582	70.093	18.22	0.05	-0.01	-1.202	75.123
2582_2583	2582	2583	-61.037	0.204	-0.05	0.01	0.581	24.853
2583_2583	2583	2583	61.037	-0.204	0.05	-0.004	-0.581	-24.853
2583_2584	2583	2584	-52.777	17.008	-0.05	0.004	0.015	-82.054
2584_2584	2584	2584	74.986	17.81	-0.005	-0.011	0.016	46.22
2584_2585	2584	2585	-65.065	-1.703	0.005	0.011	0.04	48.218
2585_2585	2585	2585	65.065	1.703	-0.005	0.006	-0.04	-48.218
2585_2586	2585	2586	-54.118	16.068	0.005	-0.006	0.102	-50.736
2586_2586	2586	2586	54.196	18.343	0.001	0.28	-0.095	50.969
2586_2587	2586	2587	-56.334	-0.212	-0.001	-0.28	0.086	65.733
2587_2587	2587	2587	56.324	0.212	0.001	-0.269	-0.086	-65.739
2587_2588	2587	2588	-58.442	17.746	-0.001	0.269	0.075	-37.356
2588_2588	2588	2588	58.44	18.458	0.007	0.035	-0.075	37.443
2588_2589	2588	2589	-58.118	0.73	-0.007	-0.035	-0.018	77.397
2589_2589	2589	2589	58.118	-0.73	0.007	-0.006	0.018	-77.397
2589_2590	2589	2590	-57.834	17.623	-0.007	0.006	-0.099	-27.173
2590_2590	2590	2590	57.834	18.198	0.001	0.295	0.099	27.099
2590_2591	2590	2591	-58.332	1.522	-0.001	-0.295	-0.114	84.768
2591_2591	2591	2591	58.327	-1.522	0.001	-0.305	0.114	-84.771
2591_2592	2591	2592	-58.741	17.878	-0.001	0.305	-0.128	-21.555
2592_2592	2592	2592	58.723	17.757	0.007	0.052	0.128	22.071
2592_2593	2592	2593	-59.883	1.118	-0.007	-0.052	-0.213	85.356
2593_2593	2593	2593	59.883	-1.118	0.007	0	0.213	-85.357
2593_2594	2593	2594	-60.941	18.332	-0.007	0	-0.29	-26.3
2594_2594	2594	2594	60.973	17.946	-0.005	0.481	0.29	25.625
2594_2595	2594	2595	-61.291	-0.368	0.005	-0.481	-0.233	83.369
2595_2595	2595	2595	61.296	0.368	-0.005	-0.401	0.233	-83.37
2595_2596	2595	2596	-61.63	18.134	0.005	0.401	-0.176	-27.154
2596_2596	2596	2596	61.636	16.469	0.033	0.038	0.176	27.134
2596_2597	2596	2597	-66.498	1.494	-0.033	-0.038	-0.578	68.476
2597_2597	2597	2597	66.498	-1.494	0.033	0.018	0.578	-68.476
2597_2598	2597	2598	-71.403	19.612	-0.033	-0.018	-0.983	-55.666
2598_2598	2598	2598	71.437	19.767	-0.087	0.215	0.983	55.402
2598_2599	2598	2599	-67.397	-0.896	0.087	-0.215	0.127	72.304
2599_2599	2599	2599	67.398	0.896	-0.087	-0.166	-0.127	-72.301
2599_2600	2599	2600	-63.368	17.926	0.087	0.166	1.233	-39.713
2600_2600	2600	2600	63.347	18.639	0.108	0.012	-1.233	39.498
2600_2601	2600	2601	-18.112	-1.758	-0.108	-0.012	0	24.611
3000_3000	3000	3000	67.006	456.281	-0.386	2.722	0	-322.668
3000_3001	3000	3001	-52.239	-412.783	0.386	-2.722	5.761	6736.893
3001_3001	3001	3001	52.24	412.783	-0.391	-4.696	-5.761	-6736.9
3001_3002	3001	3002	-41.947	-382.466	0.391	4.696	9.827	10823.8
3002_3002	3002	3002	41.931	325.348	1.138	11.323	-9.827	-10824
3002_3003	3002	3003	-32.518	-289.888	-1.138	-11.323	-4.007	14522.08
3003_3003	3003	3003	32.516	289.888	1.13	-12.889	4.007	-14522.1
3003_3004	3003	3004	-23.098	-254.405	-1.13	12.889	-17.76	17790.83
3004_3004	3004	3004	23.105	211.885	0.414	8.077	17.76	-17791.2
3004_3005	3004	3005	-16.448	-176.411	-0.414	-8.077	-22.8	20123.12
3005_3005	3005	3005	16.448	176.411	0.41	-9.769	22.8	-20123.1
3005_3006	3005	3006	-9.787	-140.911	-0.41	9.769	-27.796	22024.65
3006_3006	3006	3006	9.777	97.735	-0.104	18.72	27.796	-22025
3006_3007	3006	3007	-6.317	-62.267	0.104	-18.72	-26.527	22982.81
3007_3007	3007	3007	6.317	62.267	-0.112	-19.802	26.527	-22982.8

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3007_3008	3007	3008	-2.855	-26.778	0.112	19.802	-25.17	23509.45
3008_3008	3008	3008	2.867	-15.93	0.654	8.746	25.17	-23510.1
3008_3009	3008	3009	-2.757	51.413	-0.654	-8.746	-33.127	23100.69
3009_3009	3009	3009	2.757	-51.413	0.651	-9.474	33.127	-23100.7
3009_3010	3009	3010	-2.647	86.892	-0.651	9.474	-41.042	22259.62
3010_3010	3010	3010	2.64	-130.002	-0.223	16.105	41.042	-22260
3010_3011	3010	3011	-5.614	165.477	0.223	-16.105	-38.334	20477.2
3011_3011	3011	3011	5.613	-165.477	-0.229	-16.083	38.334	-20477.2
3011_3012	3011	3012	-8.586	200.946	0.229	16.083	-35.544	18263.29
3012_3012	3012	3012	8.584	-243.244	0.045	5.984	35.544	-18263.7
3012_3013	3012	3013	-14.231	278.735	-0.045	-5.984	-36.093	15114.18
3013_3013	3013	3013	14.231	-278.735	0.042	-5.765	36.093	-15114.2
3013_3014	3013	3014	-19.877	314.222	-0.042	5.765	-36.6	11533.08
3014_3014	3014	3014	19.879	-355.574	0.202	3.745	36.6	-11533.3
3014_3015	3014	3015	-27.024	403.559	-0.202	-3.745	-39.93	5321.483
3015_3015	3015	3015	25.558	-402.411	0.171	-3.081	39.672	-5275.06
3015_3016	3015	3016	-30.957	424.858	-0.171	3.083	-41.079	1881.684
3016_3016	3016	3016	70.566	-472.599	1.171	-1.306	47.21	-2026.7
3016_3017	3016	3017	-81.494	504.707	-1.171	1.289	-60.979	-3675.22
3017_3017	3017	3017	96.023	-502.389	1.165	1.356	61.183	3673.023
3017_3018	3017	3018	-106.391	541.29	-1.165	-1.385	-76.654	-10552.6
3018_3018	3018	3018	125.83	-587.647	0.289	-12.841	75.581	10552.95
3018_3019	3018	3019	-134.676	626.227	-0.289	12.891	-79.203	-18122.6
3019_3019	3019	3019	151.869	-622.831	0.282	13.505	82.166	18123.41
3019_3020	3019	3020	-159.287	663.897	-0.282	-13.449	-85.705	-26173.7
3020_3020	3020	3020	-2416.25	206.426	-10.527	-5.233	254.889	5458.542
3020_3021	3020	3021	2416.226	-179.87	10.527	5.233	-154.951	-3624.84
3021_3021	3021	3021	-2416.32	179.87	-5.745	1.939	153.353	3625.264
3021_3022	3021	3022	2416.312	-160.293	5.745	-1.939	-108.815	-2306.79
3022_3022	3022	3022	-2416.31	160.293	-5.745	1.939	108.815	2306.787
3022_3023	3022	3023	2416.3	-140.716	5.745	-1.939	-64.277	-1140.08
3023_3023	3023	3023	-2416.34	93.83	-9.037	-0.353	64.277	1140.125
3023_3024	3023	3024	2416.042	-73.623	9.037	0.353	8.038	-469.027
3024_3024	3024	3024	-2416.04	73.623	-9.037	-0.353	-8.038	469.027
3024_3025	3024	3025	2415.744	-53.415	9.037	0.353	80.353	40.365
3025_3025	3025	3025	-2415.75	53.415	-6.323	-0.32	-80.353	-40.365
3025_3026	3025	3026	2415.455	-33.235	6.323	0.32	130.881	387.686
3026_3026	3026	3026	-2415.44	-13.199	-5.21	-0.216	-130.881	-387.766
3026_3027	3026	3027	2414.671	28.354	5.21	0.216	162.144	266.099
3027_3027	3027	3027	-2414.68	-28.354	-1.179	-0.55	-162.144	-266.098
3027_3028	3027	3028	2413.909	43.506	1.179	0.55	169.221	53.529
3028_3028	3028	3028	-2413.91	-43.506	-1.179	-0.55	-169.221	-53.529
3028_3029	3028	3029	2413.142	58.658	1.179	0.55	176.298	-249.952
3029_3029	3029	3029	-2413.14	-58.658	2.852	-0.043	-176.298	249.953
3029_3030	3029	3030	2412.374	73.807	-2.852	0.043	159.189	-644.274
3030_3030	3030	3030	-2412.38	-120.633	1.711	-2.818	-159.189	644.231
3030_3031	3030	3031	2410.622	140.859	-1.711	2.818	145.483	-1684.42
3031_3031	3031	3031	-2410.62	-140.859	4.436	-0.883	-145.483	1684.419
3031_3032	3031	3032	2408.864	161.056	-4.436	0.883	110.005	-2884.84
3032_3032	3032	3032	-2408.86	-161.056	7.461	2.746	-110.005	2884.838
3032_3033	3032	3033	2407.103	181.252	-7.461	-2.746	50.34	-4246.63
3033_3033	3033	3033	-2407.11	-229.991	4.316	-9.756	-50.34	4246.762
3033_3034	3033	3034	2404.942	249.553	-4.316	9.756	16.91	-6095.49

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3034_3034	3034	3034	-2404.92	-249.553	10.859	6.675	-16.91	6095.499
3034_3035	3034	3035	2402.751	269.135	-10.859	-6.675	-67.294	-8097.92
3035_3035	3035	3035	-2403.8	-269.147	9.557	2.095	68.145	8102.97
3035_3036	3035	3036	2401.257	295.727	-9.557	-2.095	-158.963	-10776.8
3036_3036	3036	3036	164.837	553.016	0.594	-12.246	-12.356	32945.58
3036_3037	3036	3037	-160.559	-511.949	-0.594	12.276	4.885	-26283.2
3037_3037	3037	3037	146.383	515.346	0.573	10.559	-7.248	26282.45
3037_3038	3037	3038	-141.661	-476.738	-0.573	-10.532	0.057	-20091.6
3038_3038	3038	3038	125.707	436.619	-0.165	-4.309	1.148	20091.97
3038_3039	3038	3039	-120.794	-397.705	0.165	4.306	1.042	-14587
3039_3039	3039	3039	655.032	393.126	-0.482	3.094	9.664	11658.74
3039_3040	3039	3040	-658.406	-361.133	0.482	-3.103	-3.999	-7328.84
3040_3040	3040	3040	650.312	312.524	0.293	0.622	4.127	7330.157
3040_3041	3040	3041	-630.549	-290.485	-0.293	-0.628	-6.548	-4961.16
3041_3041	3041	3041	716.536	293.154	0.116	-0.71	7.888	4525.882
3041_3042	3041	3042	-638.407	-254.833	-0.116	0.71	-9.744	-491.859
3042_3042	3042	3042	638.411	209.382	0.017	2.4	9.744	491.888
3042_3043	3042	3043	-583.414	-180.773	-0.017	-2.4	-9.943	1591.369
3043_3043	3043	3043	583.413	180.773	-0.011	-2.823	9.943	-1591.37
3043_3044	3043	3044	-528.42	-152.166	0.011	2.823	-9.816	3332.532
3044_3044	3044	3044	528.435	112.096	0.1	6.786	9.816	-3332.61
3044_3045	3044	3045	-475.746	-83.49	-0.1	-6.786	-11.013	4261.619
3045_3045	3045	3045	475.746	83.49	0.043	-6.888	11.013	-4261.62
3045_3046	3045	3046	-423.021	-54.865	-0.043	6.888	-11.531	4849.037
3046_3046	3046	3046	423.028	14.5	-0.056	0.369	11.531	-4849.13
3046_3047	3046	3047	-373.151	14.097	0.056	-0.369	-10.865	4622.932
3047_3047	3047	3047	373.151	-14.097	-0.058	-0.115	10.865	-4622.93
3047_3048	3047	3048	-323.232	42.718	0.058	0.115	-10.172	4054.421
3048_3048	3048	3048	323.24	-83.448	0.027	0.145	10.172	-4054.51
3048_3049	3048	3049	-275.852	112.063	-0.027	-0.145	-10.492	2666.928
3049_3049	3049	3049	275.852	-112.063	0.029	0.421	10.492	-2666.93
3049_3050	3049	3050	-228.503	140.655	-0.029	-0.421	-10.837	938.797
3050_3050	3050	3050	228.498	-182.767	-0.24	0.11	10.837	-938.802
3050_3051	3050	3051	-167.106	221.051	0.24	-0.11	-6.996	-2575.88
3051_3051	3051	3051	166.29	-219.322	-0.259	1.188	6.866	2593.138
3051_3052	3051	3052	-136.564	239.734	0.259	-1.189	-4.727	-4627.61
3052_3052	3052	3052	143.468	-284.917	0.715	-1.583	4.663	4628.443
3052_3053	3052	3053	-108.204	314.389	-0.715	1.582	-13.071	-8339.11
3053_3053	3053	3053	105.234	-311.65	0.578	4.134	17.969	8403.563
3053_3054	3053	3054	-86.438	349.382	-0.578	-4.13	-25.641	-12928.3
3054_3054	3054	3054	100.529	-391.827	0.709	-14.261	24.157	12930.52
3054_3055	3054	3055	-95.482	429.064	-0.709	14.29	-33.048	-18178.7
3055_3055	3055	3055	107.497	-425.014	0.656	16.338	36.361	18181.81
3055_3056	3055	3056	-111.196	464.425	-0.656	-16.306	-44.613	-23846.3
3056_3056	3056	3056	-1972.49	269.472	-7.748	-3.896	145.184	7545.481
3056_3057	3056	3057	1981.697	-243.717	7.748	3.896	-71.564	-5149.32
3057_3057	3057	3057	-1983.3	243.716	-4.975	3.501	72.134	5119.251
3057_3058	3057	3058	1990.858	-223.177	4.975	-3.501	-33.59	-3345.03
3058_3058	3058	3058	-1990.86	223.177	-4.975	3.501	33.59	3345.034
3058_3059	3058	3059	1998.419	-202.639	4.975	-3.501	4.954	-1729.94
3059_3059	3059	3059	-1998.44	156.846	-7.918	-0.578	-4.954	1729.966
3059_3060	3059	3060	2005.8	-135.618	7.918	0.578	68.356	-592.681
3060_3060	3060	3060	-2005.81	135.618	-5.391	0.996	-68.356	592.679

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3060_3061	3060	3061	2013.156	-114.418	5.391	-0.996	111.469	373.45
3061_3061	3061	3061	-2013.16	114.418	-5.391	0.996	-111.469	-373.45
3061_3062	3061	3062	2020.504	-93.218	5.391	-0.996	154.581	1170.044
3062_3062	3062	3062	-2020.49	48.848	-0.031	0.636	-154.581	-1170.1
3062_3063	3062	3063	2025.501	-32.936	0.031	-0.636	154.765	1392.318
3063_3063	3063	3063	-2025.5	32.936	-0.031	0.636	-154.765	-1392.32
3063_3064	3063	3064	2030.508	-17.025	0.031	-0.636	154.948	1519.031
3064_3064	3064	3064	-2030.51	17.025	-0.031	0.636	-154.948	-1519.03
3064_3065	3064	3065	2035.516	-1.113	0.031	-0.636	155.132	1550.243
3065_3065	3065	3065	-2035.51	1.113	3.353	-0.062	-155.132	-1550.24
3065_3066	3065	3066	2040.511	14.77	-3.353	0.062	135.043	1486.153
3066_3066	3066	3066	-2040.51	-59.3	4.815	-0.474	-135.043	-1486.25
3066_3067	3066	3067	2046.47	80.521	-4.815	0.474	96.501	898.522
3067_3067	3067	3067	-2046.47	-80.521	4.815	-0.474	-96.501	-898.522
3067_3068	3067	3068	2052.433	101.742	-4.815	0.474	57.96	140.919
3068_3068	3068	3068	-2052.42	-101.742	10.065	2.359	-57.96	-140.922
3068_3069	3068	3069	2058.369	122.934	-10.065	-2.359	-22.497	-785.144
3069_3069	3069	3069	-2058.39	-167.425	4.913	-5.571	22.497	785.155
3069_3070	3069	3070	2064.121	187.98	-4.913	5.571	-60.593	-2190.22
3070_3070	3070	3070	-2064.11	-187.98	7.543	-1.146	60.593	2190.22
3070_3071	3070	3071	2069.831	208.507	-7.543	1.146	-119.001	-3752.42
3071_3071	3071	3071	-2066.71	-208.505	10.452	6.011	121.245	3776.688
3071_3072	3071	3072	2073.559	234.269	-10.452	-6.011	-220.593	-5913.72
3072_3072	3072	3072	66.942	502.941	-0.241	-6.731	34.689	21841.5
3072_3073	3072	3073	-34.201	-463.924	0.241	6.771	-31.662	-15840.8
3073_3073	3073	3073	21.308	467.971	-0.265	7.618	30.059	15838.8
3073_3074	3073	3074	12.737	-431.216	0.265	-7.582	-26.738	-10269.5
3074_3074	3074	3074	-27.413	393.256	-0.508	0.417	27.347	10268.67
3074_3075	3074	3075	56.7	-355.958	0.508	-0.413	-20.598	-5337.63
3075_3075	3075	3075	441.852	352.469	-0.923	-0.031	14.947	2603.812
3075_3076	3075	3076	-441.778	-324.002	0.923	0.025	-4.089	1315.085
3076_3076	3076	3076	434.436	279.651	0.644	6.968	4.005	-1314.33
3076_3077	3076	3077	-423.637	-259.999	-0.644	-6.969	-9.31	3476.009
3077_3077	3077	3077	390.807	262.619	0.605	-6.609	10.489	-3443.08
3077_3078	3077	3078	-360.183	-225.832	-0.605	6.609	-19.288	6852.653
3078_3078	3078	3078	360.181	186.71	-0.149	-0.153	19.288	-6852.81
3078_3079	3078	3079	-337.716	-158.306	0.149	0.153	-17.617	8685.002
3079_3079	3079	3079	337.716	158.306	-0.149	-0.153	17.617	-8685
3079_3080	3079	3080	-315.251	-129.902	0.149	0.153	-15.946	10198.14
3080_3080	3080	3080	315.251	94.202	-0.171	5.457	15.946	-10198.3
3080_3081	3080	3081	-294.95	-65.775	0.171	-5.457	-14.023	11001.08
3081_3081	3081	3081	294.95	65.775	-0.195	-5.542	14.023	-11001.1
3081_3082	3081	3082	-274.667	-37.375	0.195	5.542	-11.833	11483.98
3082_3082	3082	3082	274.669	-1.032	0.01	5.582	11.833	-11484.2
3082_3083	3082	3083	-255.402	31.556	-0.01	-5.582	-11.957	11194.68
3083_3083	3083	3083	255.402	-31.556	-0.014	-5.357	11.957	-11194.7
3083_3084	3083	3084	-236.119	62.104	0.014	5.357	-11.787	10536.05
3084_3084	3084	3084	236.122	-100.552	-0.011	5.016	11.787	-10536.2
3084_3085	3084	3085	-220.564	128.948	0.011	-5.016	-11.66	9171.344
3085_3085	3085	3085	220.564	-128.948	-0.037	-4.418	11.66	-9171.34
3085_3086	3085	3086	-204.992	157.367	0.037	4.418	-11.239	7486.012
3086_3086	3086	3086	204.995	-194.328	-0.16	2.82	11.239	-7486.18
3086_3087	3086	3087	-191.68	222.746	0.16	-2.82	-9.446	5075.822

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3087_3087	3087	3087	191.679	-222.746	-0.184	-2.029	9.446	-5075.82
3087_3088	3087	3088	-178.376	251.138	0.184	2.029	-7.384	2348.751
3088_3088	3088	3088	178.376	-288.606	-0.186	-0.297	7.384	-2348.78
3088_3089	3088	3089	-163.646	323.98	0.186	0.297	-4.787	-2011.53
3089_3089	3089	3089	166.752	-322.23	-0.203	1.252	4.836	2062.353
3089_3090	3089	3090	-157.964	343.058	0.203	-1.253	-3.159	-4851.95
3090_3090	3090	3090	166.781	-383.601	0.018	-4.511	2.999	4852.576
3090_3091	3090	3091	-157.334	413.569	-0.018	4.502	-3.207	-9592.68
3091_3091	3091	3091	157.465	-409.726	-0.182	4.372	5.68	9655.789
3091_3092	3091	3092	-153.057	446.77	0.182	-4.381	-3.271	-15381.9
3092_3092	3092	3092	169.689	-488.419	0.893	-8.169	2.282	15383.76
3092_3093	3092	3093	-170.475	525.075	-0.893	8.192	-13.488	-21771.7
3093_3093	3093	3093	185.032	-519.975	0.87	8.896	15.302	21774.45
3093_3094	3093	3094	-188.878	558.84	-0.87	-8.87	-26.244	-28577.9
3094_3094	3094	3094	-2231.75	239.159	-4.124	-7.756	10.98	8109.404
3094_3095	3094	3095	2236.455	-213.844	4.124	7.756	28.218	-5977.5
3095_3095	3095	3095	-2238.32	213.855	0.828	5.537	-28.209	5986.571
3095_3096	3095	3096	2241.975	-193.822	-0.828	-5.537	21.798	-4424.42
3096_3096	3096	3096	-2241.98	193.822	0.915	5.713	-21.798	4424.418
3096_3097	3096	3097	2245.632	-173.764	-0.915	-5.713	14.704	-3015.66
3097_3097	3097	3097	-2245.65	129.877	-2.826	-2.169	-14.704	3015.715
3097_3098	3097	3098	2249.094	-109.172	2.826	2.169	37.318	-2074.54
3098_3098	3098	3098	-2249.1	109.172	0.057	0.944	-37.318	2074.54
3098_3099	3098	3099	2252.533	-88.494	-0.057	-0.944	36.863	-1299.96
3099_3099	3099	3099	-2252.53	88.494	0.135	1.004	-36.863	1299.955
3099_3100	3099	3100	2255.976	-67.79	-0.135	-1.004	35.784	-689.986
3100_3100	3100	3100	-2255.93	24.788	8.748	4.594	-35.784	689.96
3100_3101	3100	3101	2258.04	-9.261	-8.748	-4.594	-16.72	-597.427
3101_3101	3101	3101	-2258.04	9.261	8.748	4.594	16.72	597.427
3101_3102	3101	3102	2260.15	6.267	-8.748	-4.594	-69.224	-598.088
3102_3102	3102	3102	-2260.14	-6.267	-11.117	-5.845	69.224	598.086
3102_3103	3102	3103	2262.248	21.772	11.117	5.845	-2.594	-691.742
3103_3103	3103	3103	-2262.26	-21.772	-7.04	-3.484	2.594	691.748
3103_3104	3103	3104	2264.374	37.303	7.04	3.484	39.666	-878.709
3104_3104	3104	3104	-2264.37	-80.373	-1.494	-1.952	-39.666	878.712
3104_3105	3104	3105	2266.527	101.08	1.494	1.952	51.622	-1615.1
3105_3105	3105	3105	-2266.53	-101.08	1.377	0.916	-51.622	1615.102
3105_3106	3105	3106	2268.682	121.76	-1.377	-0.916	40.615	-2515.96
3106_3106	3106	3106	-2268.68	-121.76	1.466	1.04	-40.615	2515.962
3106_3107	3106	3107	2270.839	142.466	-1.466	-1.04	28.882	-3583.57
3107_3107	3107	3107	-2270.84	-185.812	0.855	-3.353	-28.882	3583.624
3107_3108	3107	3108	2272.705	205.87	-0.855	3.353	22.252	-5111.07
3108_3108	3108	3108	-2272.71	-205.87	0.768	-3.572	-22.252	5111.073
3108_3109	3108	3109	2274.566	225.903	-0.768	3.572	16.302	-6791.77
3109_3109	3109	3109	-2274.99	-225.905	3.219	4.588	-17.211	6793.87
3109_3110	3109	3110	2277.374	251.218	-3.219	-4.588	-13.381	-9072.63
3110_3110	3110	3110	175.442	541.888	-0.716	-20.513	30.002	29761.61
3110_3111	3110	3111	-158.747	-503.189	0.716	20.555	-21.002	-23237.6
3111_3111	3111	3111	144.733	508.47	-0.781	19.436	16.794	23235.56
3111_3112	3111	3112	-126.562	-472.016	0.781	-19.4	-6.989	-17130.8
3112_3112	3112	3112	110.813	435.815	-0.018	-3.338	8.907	17130.02
3112_3113	3112	3113	-93.752	-398.936	0.018	3.323	-8.663	-11625.5
3113_3113	3113	3113	530.161	397.777	-0.35	3.416	16.913	9220.531

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3113_3114	3113	3114	-530.087	-368.002	0.35	-3.429	-12.801	-4797.94
3114_3114	3114	3114	521.78	324.956	-0.139	-0.142	12.894	4798.825
3114_3115	3114	3115	-506.709	-304.363	0.139	0.139	-11.748	-2285.82
3115_3115	3115	3115	562.823	307.043	-0.162	-0.25	11.735	1833.854
3115_3116	3115	3116	-511.733	-272.896	0.162	0.25	-9.389	2134.507
3116_3116	3116	3116	511.729	233.877	-0.045	6.973	9.389	-2134.5
3116_3117	3116	3117	-474.398	-207.409	0.045	-6.973	-8.879	4441.241
3117_3117	3117	3117	474.398	207.409	-0.114	-7.309	8.879	-4441.24
3117_3118	3117	3118	-437.101	-180.965	0.114	7.309	-7.602	6448.71
3118_3118	3118	3118	437.106	146.147	-0.011	9.455	7.602	-6448.75
3118_3119	3118	3119	-401.887	-119.703	0.011	-9.455	-7.484	7776.757
3119_3119	3119	3119	401.887	119.703	-0.079	-9.544	7.484	-7776.76
3119_3120	3119	3120	-366.669	-93.26	0.079	9.544	-6.592	8807.734
3120_3120	3120	3120	366.663	55.92	-0.179	4.741	6.592	-8807.7
3120_3121	3120	3121	-331.756	-27.499	0.179	-4.741	-4.433	9146.411
3121_3121	3121	3121	331.756	27.499	-0.211	-4.597	4.433	-9146.41
3121_3122	3121	3122	-296.848	0.921	0.211	4.597	-1.888	9142.056
3122_3122	3122	3122	296.848	-38.753	-0.101	4.598	1.888	-9142.05
3122_3123	3122	3123	-267.212	65.195	0.101	-4.598	-0.751	8417.126
3123_3123	3123	3123	267.212	-65.195	-0.136	-4.226	0.751	-8417.13
3123_3124	3123	3124	-237.549	91.661	0.136	4.226	0.777	7394.205
3124_3124	3124	3124	237.55	-128.778	-0.216	5.932	-0.777	-7394.21
3124_3125	3124	3125	-210.895	155.22	0.216	-5.932	3.202	5671.049
3125_3125	3125	3125	210.895	-155.22	-0.285	-5.432	-3.202	-5671.05
3125_3126	3125	3126	-184.241	181.661	0.285	5.432	6.401	3650.973
3126_3126	3126	3126	184.234	-219.886	-0.062	0.292	-6.401	-3650.98
3126_3127	3126	3127	-154.007	252.401	0.062	-0.292	7.256	242.364
3127_3127	3127	3127	157.743	-250.525	-0.103	0.134	-7.221	-201.603
3127_3128	3127	3128	-139.275	269.462	0.103	-0.134	8.073	-2031.84
3128_3128	3128	3128	146.705	-313.695	-0.352	-4.853	-8.239	2032.491
3128_3129	3128	3129	-128.503	341.003	0.352	4.843	12.375	-5987.58
3129_3129	3129	3129	132.306	-336.275	0.178	9.469	-11.415	6020.6
3129_3130	3129	3130	-127.156	372.082	-0.178	-9.513	9.053	-10796.5
3130_3130	3130	3130	141.753	-413.158	-0.038	-5.525	-10.152	10798.68
3130_3131	3130	3131	-145.33	448.563	0.038	5.664	10.645	-16254
3131_3131	3131	3131	161.415	-441.255	-0.067	6.943	-9.294	16258.3
3131_3132	3131	3132	-170.253	476.389	0.067	-6.789	10.098	-21690.6
3132_3132	3132	3132	-1959.23	218.416	25.274	14.915	-307.759	5686.215
3132_3133	3132	3133	1962.042	-191.885	-25.274	-14.915	47.438	-3586.82
3133_3133	3133	3133	-1969.73	191.883	22.625	9.779	-47.974	3624.24
3133_3134	3133	3134	1972.187	-173.632	-22.625	-9.779	-127.368	-2219.79
3134_3134	3134	3134	-1972.24	173.632	-2.09	-23.072	127.368	2219.708
3134_3135	3134	3135	1974.705	-155.309	2.09	23.072	-111.108	-951.985
3135_3135	3135	3135	-1974.9	114.775	-2.508	-0.177	111.108	952.404
3135_3136	3135	3136	1978.124	-95.933	2.508	0.177	-91.045	-124.434
3136_3136	3136	3136	-1978.12	95.933	-2.508	-0.177	91.045	124.434
3136_3137	3136	3137	1981.347	-77.091	2.508	0.177	-70.983	552.782
3137_3137	3137	3137	-1981.35	77.091	0.124	0.091	70.983	-552.782
3137_3138	3137	3138	1984.566	-58.273	-0.124	-0.091	-71.971	1078.671
3138_3138	3138	3138	-1984.54	17.509	-3.172	0.114	71.971	-1078.76
3138_3139	3138	3139	1986.371	-3.377	3.172	-0.114	-52.935	1132.479
3139_3139	3139	3139	-1986.37	3.377	-3.172	0.114	52.935	-1132.48
3139_3140	3139	3140	1988.202	10.754	3.172	-0.114	-33.898	1101.402

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3140_3140	3140	3140	-1988.2	-10.754	0.389	-0.233	33.898	-1101.4
3140_3141	3140	3141	1990.035	24.885	-0.389	0.233	-36.235	985.529
3141_3141	3141	3141	-1990.03	-24.885	-3.172	-0.139	36.235	-985.529
3141_3142	3141	3142	1991.864	39.017	3.172	0.139	-17.198	784.853
3142_3142	3142	3142	-1991.87	-80.982	-2.277	-0.033	17.198	-784.923
3142_3143	3142	3143	1993.458	99.824	2.277	0.033	1.019	53.034
3143_3143	3143	3143	-1993.46	-99.824	0.395	1.16	-1.019	-53.034
3143_3144	3143	3144	1995.051	118.665	-0.395	-1.16	-2.138	-829.591
3144_3144	3144	3144	-1995.05	-118.665	-2.277	-1.19	2.138	829.591
3144_3145	3144	3145	1996.641	137.507	2.277	1.19	16.079	-1862.99
3145_3145	3145	3145	-1996.65	-181.504	-2.282	1.799	-16.079	1862.999
3145_3146	3145	3146	1998.005	199.757	2.282	-1.799	33.765	-3348.25
3146_3146	3146	3146	-1998	-199.757	-5.039	-3.986	-33.765	3348.248
3146_3147	3146	3147	1999.357	218.01	5.039	3.986	72.825	-4975.01
3147_3147	3147	3147	-1986.76	-218.014	-2.925	2.134	-72.66	4913.547
3147_3148	3147	3148	1988.095	242.487	2.925	-2.134	100.452	-7109.01
3148_3148	3148	3148	170.676	463.116	-0.143	-0.42	-3.837	23801.79
3148_3149	3148	3149	-148.754	-425.681	0.143	0.442	5.633	-18254.1
3149_3149	3149	3149	136.821	431.878	-0.144	-0.026	-5.669	18251.65
3149_3150	3149	3150	-114.196	-396.671	0.144	0.046	7.471	-13091.5
3150_3150	3150	3150	100.363	359.553	-0.925	-0.212	-7.449	13090.01
3150_3151	3150	3151	-81.549	-323.938	0.925	0.195	19.729	-8572.39
3151_3151	3151	3151	609.202	321.839	-0.21	-0.274	-6.993	5687.124
3151_3152	3151	3152	-604.513	-293.694	0.21	0.279	9.459	-2169.17
3152_3152	3152	3152	597.763	248.589	0.281	-0.868	-9.454	2169.873
3152_3153	3152	3153	-578.353	-229.166	-0.281	0.864	7.137	-301.486
3153_3153	3153	3153	610.073	232.595	0.266	0.147	-6.868	134.446
3153_3154	3153	3154	-555.229	-201.24	-0.266	-0.147	3.211	2609.343
3154_3154	3154	3154	555.246	159.358	0.105	3.219	-3.211	-2609.34
3154_3155	3154	3155	-514.576	-134.256	-0.105	-3.219	2.053	4048.175
3155_3155	3155	3155	514.576	134.256	0.056	-3.376	-2.053	-4048.18
3155_3156	3155	3156	-473.907	-109.154	-0.056	3.376	1.432	5210.836
3156_3156	3156	3156	473.901	73.442	0.17	0.016	-1.432	-5210.85
3156_3157	3156	3157	-438.721	-50.599	-0.17	-0.016	-0.27	5678.503
3157_3157	3157	3157	438.721	50.599	0.17	0.016	0.27	-5678.5
3157_3158	3157	3158	-403.54	-27.757	-0.17	-0.016	-1.972	5917.474
3158_3158	3158	3158	403.54	-5.519	0.007	0.17	1.972	-5917.46
3158_3159	3158	3159	-370.693	28.361	-0.007	-0.17	-2.045	5603.929
3159_3159	3159	3159	370.693	-28.361	0.006	0.052	2.045	-5603.93
3159_3160	3159	3160	-337.813	51.227	-0.006	-0.052	-2.109	5061.058
3160_3160	3160	3160	337.819	-88.391	0.027	2.443	2.109	-5061.07
3160_3161	3160	3161	-304.521	113.47	-0.027	-2.443	-2.403	3804.803
3161_3161	3161	3161	304.521	-113.47	-0.023	-2.099	2.403	-3804.8
3161_3162	3161	3162	-271.193	138.571	0.023	2.099	-2.15	2271.382
3162_3162	3162	3162	271.189	-178.634	0.126	0.302	2.15	-2271.36
3162_3163	3162	3163	-231.794	210.011	-0.126	-0.302	-3.889	-576.019
3163_3163	3163	3163	235.811	-207.35	0.18	-0.034	3.843	568.84
3163_3164	3163	3164	-213.003	226.793	-0.18	0.034	-5.327	-2461.88
3164_3164	3164	3164	219.593	-271.711	-0.095	1.71	5.386	2462.391
3164_3165	3164	3165	-193.935	299.795	0.095	-1.722	-4.266	-5956.82
3165_3165	3165	3165	185.323	-293.553	-0.34	-2.023	3.088	6050.644
3165_3166	3165	3166	-170.335	329.815	0.34	2.012	1.421	-10318.3
3166_3166	3166	3166	184.359	-375.793	0.315	-0.011	-1.302	10320.56

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3166_3167	3166	3167	-182.175	411.579	-0.315	0.031	-2.648	-15360.5
3167_3167	3167	3167	193.678	-404.331	0.315	-0.093	2.647	15363.93
3167_3168	3167	3168	-199.237	442.288	-0.315	0.115	-6.607	-20775.7
3168_3168	3168	3168	-1844.86	245.214	-2.267	-3.869	17.519	5980.819
3168_3169	3168	3169	1851.585	-220.405	2.267	3.869	4.022	-3797.81
3169_3169	3169	3169	-1858.04	220.39	0.593	2.058	-4.618	3829.274
3169_3170	3169	3170	1863.926	-201.633	-0.593	-2.058	0.02	-2219.24
3170_3170	3170	3170	-1863.93	201.633	0.593	2.058	-0.02	2219.243
3170_3171	3170	3171	1869.817	-182.877	-0.593	-2.058	-4.578	-754.591
3171_3171	3171	3171	-1869.88	135.68	-0.382	-0.036	4.578	754.677
3171_3172	3171	3172	1875.703	-116.342	0.382	0.036	-1.529	226.965
3172_3172	3172	3172	-1875.7	116.342	-0.34	-0.027	1.529	-226.965
3172_3173	3172	3173	1881.537	-96.981	0.34	0.027	1.188	1055.018
3173_3173	3173	3173	-1881.54	96.981	-0.34	-0.027	-1.188	-1055.02
3173_3174	3173	3174	1887.372	-77.619	0.34	0.027	3.906	1728.158
3174_3174	3174	3174	-1887.37	33.275	1.858	-0.833	-3.906	-1728.23
3174_3175	3174	3175	1891.225	-18.754	-1.858	0.833	-7.241	1867.337
3175_3175	3175	3175	-1891.23	18.754	-1.579	0.909	7.241	-1867.34
3175_3176	3175	3176	1895.085	-4.232	1.579	-0.909	2.234	1919.304
3176_3176	3176	3176	-1895.09	4.232	1.858	-0.849	-2.234	-1919.31
3176_3177	3176	3177	1898.944	10.289	-1.858	0.849	-8.913	1884.134
3177_3177	3177	3177	-1898.94	-10.289	-1.579	0.78	8.913	-1884.13
3177_3178	3177	3178	1902.804	24.81	1.579	-0.78	0.562	1761.824
3178_3178	3178	3178	-1902.8	-69.616	-0.414	-0.293	-0.562	-1761.84
3178_3179	3178	3179	1907.163	88.978	0.414	0.293	3.878	1107.817
3179_3179	3179	3179	-1907.16	-88.978	-0.414	-0.293	-3.878	-1107.82
3179_3180	3179	3180	1911.524	108.339	0.414	0.293	7.195	298.878
3180_3180	3180	3180	-1911.52	-108.339	2.163	0.651	-7.195	-298.878
3180_3181	3180	3181	1915.884	127.701	-2.163	-0.651	-10.111	-664.954
3181_3181	3181	3181	-1915.94	-174.505	-2.209	-2.563	10.111	665.063
3181_3182	3181	3182	1920.179	193.238	2.209	2.563	6.986	-2107.6
3182_3182	3182	3182	-1920.18	-193.238	0.497	1.722	-6.986	2107.595
3182_3183	3182	3183	1924.426	211.994	-0.497	-1.722	3.138	-3697.25
3183_3183	3183	3183	-1912.02	-211.99	-0.089	0.303	-2.558	3636.707
3183_3184	3183	3184	1916.915	236.798	0.089	-0.303	3.406	-5790.74
3184_3184	3184	3184	160.369	453.06	-0.314	-0.109	1.174	20479.28
3184_3185	3184	3185	-132.399	-415.398	0.314	0.139	2.772	-15038
3185_3185	3185	3185	120.719	422.652	-0.314	-0.079	-2.776	15035.27
3185_3186	3185	3186	-93.18	-387.219	0.314	0.106	6.71	-9974.94
3186_3186	3186	3186	79.283	346.954	-0.131	-0.516	-6.675	9973.41
3186_3187	3186	3187	-58.213	-311.017	0.131	0.507	8.413	-5604.15
3187_3187	3187	3187	560.103	310.484	-0.182	-0.149	-0.079	2858.463
3187_3188	3187	3188	-558.472	-281.125	0.182	0.144	2.219	547.984
3188_3188	3188	3188	551.933	232.706	0.134	-1.278	-2.208	-547.017
3188_3189	3188	3189	-537.42	-212.403	-0.134	1.277	1.102	2303.506
3189_3189	3189	3189	555.555	216.092	0.141	0.368	-1.024	-2300.49
3189_3190	3189	3190	-513.208	-181.856	-0.141	-0.368	-0.91	4853.999
3190_3190	3190	3190	513.216	138.654	0.048	-0.237	0.91	-4854.03
3190_3191	3190	3191	-481.239	-111.246	-0.048	0.237	-1.437	6091.447
3191_3191	3191	3191	481.239	111.246	0.048	-0.237	1.437	-6091.45
3191_3192	3191	3192	-449.262	-83.837	-0.048	0.237	-1.965	7027.332
3192_3192	3192	3192	449.257	44.676	0.134	-0.1	1.965	-7027.29
3192_3193	3192	3193	-422.182	-19.585	-0.134	0.1	-3.318	7233.713

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3193_3193	3193	3193	422.182	19.585	0.134	-0.1	3.318	-7233.71
3193_3194	3193	3194	-395.107	5.506	-0.134	0.1	-4.672	7187.441
3194_3194	3194	3194	395.127	-41.468	-0.172	0.062	4.672	-7187.47
3194_3195	3194	3195	-370.212	66.559	0.172	-0.062	-2.937	6534.581
3195_3195	3195	3195	370.212	-66.559	-0.172	0.062	2.937	-6534.58
3195_3196	3195	3196	-345.297	91.65	0.172	-0.062	-1.201	5628.998
3196_3196	3196	3196	345.272	-130.493	0.043	-2.13	1.201	-5628.97
3196_3197	3196	3197	-320.255	157.876	-0.043	2.13	-1.675	3933.673
3197_3197	3197	3197	320.255	-157.876	0.085	2.488	1.675	-3933.67
3197_3198	3197	3198	-295.216	185.285	-0.085	-2.488	-2.611	1935.415
3198_3198	3198	3198	295.227	-226.893	0.015	0.202	2.611	-1935.45
3198_3199	3198	3199	-265.596	261.153	-0.015	-0.202	-2.819	-1552.68
3199_3199	3199	3199	268.302	-258.126	0.003	0.425	2.726	1478.743
3199_3200	3199	3200	-249.846	279.335	-0.003	-0.425	-2.75	-3786.35
3200_3200	3200	3200	257.694	-324.172	0.601	-0.586	2.727	3787.263
3200_3201	3200	3201	-236.144	354.748	-0.601	0.577	-9.787	-7896.51
3201_3201	3201	3201	236.355	-347.307	0.313	1.597	11.703	7956.873
3201_3202	3201	3202	-226.701	387.934	-0.313	-1.608	-15.862	-12935
3202_3202	3202	3202	242.317	-431.701	0.648	0.53	15.844	12938.06
3202_3203	3202	3203	-241.398	471.636	-0.648	-0.496	-23.976	-18685.1
3203_3203	3203	3203	254.535	-463.392	0.648	-0.143	23.98	18689.6
3203_3204	3203	3204	-259.339	505.503	-0.648	0.182	-32.134	-24856.7
3204_3204	3204	3204	-2034.8	271.661	1.328	2.257	13.136	7604.971
3204_3205	3204	3205	2040.431	-243.794	-1.328	-2.257	-25.753	-5181.75
3205_3205	3205	3205	-2041.82	243.785	-0.942	-3.297	26.554	4938.386
3205_3206	3205	3206	2046.773	-222.533	0.942	3.297	-19.25	-3153.03
3206_3206	3206	3206	-2046.77	222.533	2.039	1.494	19.25	3153.029
3206_3207	3206	3207	2051.723	-201.281	-2.039	-1.494	-35.054	-1532.43
3207_3207	3207	3207	-2051.65	150.368	-4.921	-0.086	35.054	1532.499
3207_3208	3207	3208	2056.49	-128.43	4.921	0.086	4.315	-438.677
3208_3208	3208	3208	-2056.49	128.43	-4.967	-0.109	-4.315	438.677
3208_3209	3208	3209	2061.328	-106.52	4.967	0.109	44.011	478.583
3209_3209	3209	3209	-2061.33	106.52	-2.033	0.261	-44.011	-478.585
3209_3210	3209	3210	2066.176	-84.582	2.033	-0.261	60.273	1221.565
3210_3210	3210	3210	-2066.23	34.372	-2.668	0.326	-60.273	-1221.7
3210_3211	3210	3211	2069.381	-17.918	2.668	-0.326	76.283	1364.361
3211_3211	3211	3211	-2069.38	17.918	-2.668	0.326	-76.283	-1364.36
3211_3212	3211	3212	2072.534	-1.465	2.668	-0.326	92.292	1408.289
3212_3212	3212	3212	-2072.54	1.465	1.183	-0.455	-92.292	-1408.29
3212_3213	3212	3213	2075.688	14.988	-1.183	0.455	85.195	1353.486
3213_3213	3213	3213	-2075.69	-14.988	-2.668	0.152	-85.195	-1353.49
3213_3214	3213	3214	2078.84	31.441	2.668	-0.152	101.205	1199.947
3214_3214	3214	3214	-2078.94	-81.848	5.475	0.672	-101.205	-1199.94
3214_3215	3214	3215	2082.533	103.786	-5.475	-0.672	57.396	440.791
3215_3215	3215	3215	-2082.54	-103.786	2.587	-0.154	-57.396	-440.79
3215_3216	3215	3216	2086.127	125.723	-2.587	0.154	36.695	-493.898
3216_3216	3216	3216	-2086.13	-125.723	2.587	-0.154	-36.695	493.898
3216_3217	3216	3217	2089.715	147.661	-2.587	0.154	15.994	-1604.11
3217_3217	3217	3217	-2089.71	-197.724	2.567	-5.123	-15.994	1604.031
3217_3218	3217	3218	2093.101	218.976	-2.567	5.123	-3.9	-3234.69
3218_3218	3218	3218	-2093.11	-218.976	-0.415	-10.958	3.9	3234.678
3218_3219	3218	3219	2096.496	240.228	0.415	10.958	-0.687	-5030.09
3219_3219	3219	3219	-2088.59	-240.227	9.13	16.463	0.815	5248.012

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3219_3220	3219	3220	2092.53	268.063	-9.13	-16.463	-87.466	-7678.78
3220_3220	3220	3220	225.554	520.083	-1.418	-35.088	38.911	24887.51
3220_3221	3220	3221	-201.481	-478.305	1.418	35.12	-21.067	-18631.9
3221_3221	3221	3221	188.038	486.516	-1.562	33.925	13.723	18628.47
3221_3222	3221	3222	-163.29	-446.972	1.562	-33.897	5.875	-12801.9
3222_3222	3222	3222	147.599	407.895	3.449	-2.227	-2.643	12799.26
3222_3223	3222	3223	-125.874	-367.629	-3.449	2.203	-43.143	-7671.33
3223_3223	3223	3223	634.435	367.403	0.292	1.764	5.417	4821.661
3223_3224	3223	3224	-625.978	-335.281	-0.292	-1.82	-8.852	-799.951
3224_3224	3224	3224	618.13	283.546	0.037	14.084	8.719	800.934
3224_3225	3224	3225	-597.144	-261.305	-0.037	-14.073	-9.025	1336.016
3225_3225	3225	3225	571.185	265.699	-0.129	-10.625	9.549	-1141.16
3225_3226	3225	3226	-514.166	-221.15	0.129	10.625	-7.493	4771.949
3226_3226	3226	3226	514.09	172.643	0.685	19.441	7.493	-4771.61
3226_3227	3226	3227	-472.035	-138.803	-0.685	-19.441	-15.788	6473.051
3227_3227	3227	3227	472.038	138.803	0.553	-19.073	15.788	-6473.06
3227_3228	3227	3228	-430.015	-104.989	-0.553	19.073	-22.473	7764.168
3228_3228	3228	3228	429.82	58.678	0.41	20.999	22.473	-7762.07
3228_3229	3228	3229	-391.188	-22.744	-0.41	-20.999	-27.43	8084.865
3229_3229	3229	3229	391.184	22.915	0.278	-20.352	27.43	-8084.86
3229_3230	3229	3230	-354.874	13.022	-0.278	20.352	-30.789	7984.356
3230_3230	3230	3230	354.758	-58.42	0.006	16.609	30.789	-7982.56
3230_3231	3230	3231	-321.682	94.865	-0.006	-16.609	-30.868	6894.411
3231_3231	3231	3231	321.685	-94.692	-0.125	-16.091	30.868	-6894.41
3231_3232	3231	3232	-291.021	131.113	0.125	16.091	-29.338	5372.041
3232_3232	3232	3232	290.914	-182.424	2.345	4.973	29.338	-5371.28
3232_3233	3232	3233	-273.867	205.707	-2.345	-4.973	-47.713	3772.15
3233_3233	3233	3233	273.879	-205.599	2.326	2.406	47.713	-3772.19
3233_3234	3233	3234	-258.566	227.752	-2.326	-2.406	-65.052	2085.65
3234_3234	3234	3234	268.152	-224.322	2.591	-4.973	70.262	-2118.18
3234_3235	3234	3235	-250.536	251.263	-2.591	5.008	-93.24	-78.018
3235_3235	3235	3235	256.515	-298.701	0.689	-4.434	93.203	78.053
3235_3236	3235	3236	-247.28	316.641	-0.689	4.392	-97.248	-1937.36
3236_3236	3236	3236	224.026	-313.388	2.271	-2.656	145.099	2076.912
3236_3237	3236	3237	-219.073	330.178	-2.271	2.569	-157.07	-3814.33
3237_3237	3237	3237	244.794	-324.787	1.501	7.681	158.201	3708.748
3237_3238	3237	3238	-243.446	361.883	-1.501	-7.94	-173.107	-7162.27
3238_3238	3238	3238	255.11	-400.532	-2.315	-14.043	171.795	7162.746
3238_3239	3238	3239	-260.75	439.971	2.315	13.882	-147.953	-11523.1
3239_3239	3239	3239	270.844	-432.547	-2.407	13.508	150.753	11526.76
3239_3240	3239	3240	-279.768	475.239	2.407	-13.708	-124.753	-16459.4
3240_3240	3240	3240	293.554	-492.591	-37.904	-30.387	119.889	16455.55
3240_3241	3240	3241	-300.925	522.662	37.904	30.728	159.765	-20214.9
3241_3241	3241	3241	-1952.61	350.967	-13.571	4.06	395.644	6274.872
3241_3242	3241	3242	1967.796	-316.455	13.571	-4.06	-266.766	-3168.55
3242_3242	3242	3242	-1964.17	316.541	-5.649	17.796	268.213	3150.923
3242_3243	3242	3243	1975.823	-289.039	5.649	-17.796	-224.854	-875.381
3243_3243	3243	3243	-1973.25	227.641	-35.831	0.32	224.854	874.173
3243_3244	3243	3244	1983.652	-193.528	35.831	-0.32	116.263	1087.07
3244_3244	3244	3244	-1983.74	193.65	-30.921	-0.003	-116.263	-1087.02
3244_3245	3244	3245	1993.383	-157.449	30.921	0.003	428.652	2819.868
3245_3245	3245	3245	-1994.21	110.089	-12.991	5.726	-428.652	-2819.16
3245_3246	3245	3246	2002.009	-74.455	12.991	-5.726	557.845	3703.373

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3246_3246	3246	3246	-2002.04	74.577	-3.952	-4.576	-557.845	-3703.42
3246_3247	3246	3247	2008.287	-39.902	3.952	4.576	596.086	4230.105
3247_3247	3247	3247	-2008.28	-10.213	-0.325	5.65	-596.086	-4229.31
3247_3248	3247	3248	2012.548	43.131	0.325	-5.65	599.074	3965.078
3248_3248	3248	3248	-2012.56	-43.01	7.237	-3.32	-599.074	-3964.95
3248_3249	3248	3249	2015.977	80.394	-7.237	3.32	523.568	3305.107
3249_3249	3249	3249	-2014.5	-122.482	-18.309	0.525	-523.568	-3304.69
3249_3250	3249	3250	2015.951	159.119	18.309	-0.525	710.765	1856.839
3250_3250	3250	3250	-2015.98	-158.998	-11.746	-0.721	-710.765	-1856.93
3250_3251	3250	3251	2016.02	192.695	11.746	0.721	821.225	200.835
3251_3251	3251	3251	-2019.43	-233.748	77.469	-9.232	-821.225	-201.328
3251_3252	3251	3252	2016.892	263.856	-77.469	9.232	170.278	-1881.29
3252_3252	3252	3252	-2016.62	-263.752	84.97	2.06	-170.278	1881.31
3252_3253	3252	3253	2013.082	293.942	-84.97	-2.06	-545.619	-4218.71
3253_3253	3253	3253	-2009.52	-293.837	87.842	9.325	545.504	4202.036
3253_3254	3253	3254	2005.408	321.686	-87.842	-9.325	-1218.63	-6546
3254_3254	3254	3254	-2001.06	-354.091	-37.609	-102.317	1218.631	6541.423
3254_3255	3254	3255	1998.374	365.955	37.609	102.317	-1095.85	-7706.81
3255_3255	3255	3255	286.614	475.064	-53.698	-5.129	825.244	21420.43
3255_3256	3255	3256	-262.011	-433.856	53.698	4.71	-272.703	-16778.8
3256_3256	3256	3256	245.214	447.07	-53.849	48.255	266.157	16772.7
3256_3257	3256	3257	-226.549	-415.248	53.849	-48.521	175.316	-13268
3257_3257	3257	3257	213.738	382.42	11.774	-26.413	-168.289	13261.78
3257_3258	3257	3258	-191.859	-344.987	-11.774	26.802	51.814	-9698.18
3258_3258	3258	3258	184.936	351.172	11.675	1.377	-53.891	9696.557
3258_3259	3258	3259	-167.48	-319.178	-11.675	-1.111	-46.767	-6833.52
3259_3259	3259	3259	108.107	324.403	12.309	32.677	53.905	7124.658
3259_3260	3259	3260	-101.76	-314.421	-12.309	-32.613	-92.819	-6124.23
3260_3260	3260	3260	649.893	251.738	0.434	11.855	21.716	3237.049
3260_3261	3260	3261	-679.681	-226.955	-0.434	-11.918	-24.971	-1335.46
3261_3261	3261	3261	675.29	235.259	0.301	3.748	25.272	1334.783
3261_3262	3261	3262	-697.234	-204.814	-0.301	-3.78	-28.082	806.973
3262_3262	3262	3262	724.12	210.497	-0.128	-17.08	26.222	-1133.67
3262_3263	3262	3263	-733.208	-186.015	0.128	17.08	-25.242	2700.257
3263_3263	3263	3263	733.159	128.672	0.91	12.635	25.242	-2699.71
3263_3264	3263	3264	-748.278	-92.661	-0.91	-12.635	-35.489	4024.644
3264_3264	3264	3264	748.252	92.831	0.746	-11.232	35.489	-4024.54
3264_3265	3264	3265	-766.319	-55.168	-0.746	11.232	-44.283	4987.73
3265_3265	3265	3265	766.272	5.948	0.724	20.825	44.283	-4987.53
3265_3266	3265	3266	-787.964	31.188	-0.724	-20.825	-52.698	4946.935
3266_3266	3266	3266	787.968	-31.017	0.482	-20.401	52.698	-4946.95
3266_3267	3266	3267	-811.5	67.558	-0.482	20.401	-58.213	4497.038
3267_3267	3267	3267	811.497	-116.73	0.649	13.636	58.213	-4497.03
3267_3268	3267	3268	-839.367	153.834	-0.649	-13.636	-65.752	3058.511
3268_3268	3268	3268	839.372	-153.664	0.47	-13.487	65.752	-3058.53
3268_3269	3268	3269	-869.029	190.234	-0.47	13.487	-71.134	1230.443
3269_3269	3269	3269	869.006	-242.941	-0.364	10.281	71.134	-1230.23
3269_3270	3269	3270	-905.461	281.951	0.364	-10.281	-66.697	-1803.87
3270_3270	3270	3270	905.45	-281.771	-0.608	-11.036	66.697	1803.879
3270_3271	3270	3271	-944	320.415	0.608	11.036	-59.35	-5266.43
3271_3271	3271	3271	944.305	-376.089	6.034	-2.091	59.35	5266.11
3271_3272	3271	3272	-967.987	398.243	-6.034	2.091	-101.171	-7841.02
3272_3272	3272	3272	896.164	-391.954	6.22	-5.347	92.941	8457.35

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3272_3273	3272	3273	-904.768	424.444	-6.22	5.396	-151.661	-12241.6
3273_3273	3273	3273	912.869	-414.443	6.022	3.731	151.887	12240.92
3273_3274	3273	3274	-894.214	443.239	-6.022	-3.623	-201.48	-15784.6
3274_3274	3274	3274	900.444	-492.766	-29.016	-23.27	200.496	15786.41
3274_3275	3274	3275	-893.11	501.02	29.016	23.175	-132.934	-16950.9
3275_3275	3275	3275	791.402	-497.846	-30.717	-19.263	124.682	17596.68
3275_3276	3275	3276	-761.987	532.53	30.717	18.708	141.691	-22103.5
3276_3276	3276	3276	771.809	-524.023	-30.892	25.718	-139.115	22103.61
3276_3277	3276	3277	-734.643	559.854	30.892	-26.42	408.372	-26896.2
3277_3277	3277	3277	363.156	-575.411	44.765	-75.087	-767.954	29365.51
3277_3278	3277	3278	-368.451	619.035	-44.765	74.667	299.812	-35629.7
3278_3278	3278	3278	389.338	-605.506	44.665	14.547	-291.951	35636.63
3278_3279	3278	3279	-395.831	647.297	-44.665	-15.018	-139.691	-41711.5
3279_3279	3279	3279	-2980.18	502.673	25.766	139.225	497.149	14553.74
3279_3280	3279	3280	2987.515	-486.758	-25.766	-139.225	-603.426	-12542.5
3280_3280	3280	3280	-2988.22	372.547	-75.552	-32.679	603.426	12543.83
3280_3281	3280	3281	2995.759	-348.34	75.552	32.679	-129.45	-10312.5
3281_3281	3281	3281	-3001.18	348.42	-65.189	-4.194	132.401	10600.6
3281_3282	3281	3282	3012.047	-313.508	65.189	4.194	496.899	-7449.92
3282_3282	3282	3282	-3012.19	313.623	-55.409	19.71	-496.899	7449.734
3282_3283	3282	3283	3020.516	-283.39	55.409	-19.71	960.109	-4988.34
3283_3283	3283	3283	-3077.2	254.035	13.651	-6.196	-959.786	5255.706
3283_3284	3283	3284	3093.071	-215.674	-13.651	6.196	791.012	-2418.56
3284_3284	3284	3284	-3092.98	215.804	26.188	5.727	-791.012	2418.508
3284_3285	3284	3285	3106.595	-178.803	-26.188	-5.727	478.735	-123.039
3285_3285	3285	3285	-3106.76	82.324	5.337	-0.59	-478.735	123.075
3285_3286	3285	3286	3111.259	-45.587	-5.337	0.59	415.545	615.027
3286_3286	3286	3286	-3111.17	45.706	19.301	0.714	-415.545	-615.183
3286_3287	3286	3287	3113.778	-13.391	-19.301	-0.714	214.528	911.513
3287_3287	3287	3287	-3113.69	-32.206	26.024	-1.415	-214.528	-911.509
3287_3288	3287	3288	3116.277	67.253	-26.024	1.415	-79.419	337.816
3288_3288	3288	3288	-3116.16	-67.134	37.084	0.937	79.419	-337.857
3288_3289	3288	3289	3117.246	101.066	-37.084	-0.937	-484.958	-587.802
3289_3289	3289	3289	-3117.76	-187.203	-14.834	-8.211	484.958	587.714
3289_3290	3289	3290	3116.486	213.156	14.834	8.211	-360.882	-2258.27
3290_3290	3290	3290	-3116.5	-213.07	-7.737	-0.889	360.882	2258.241
3290_3291	3290	3291	3114.554	237.453	7.737	0.889	-300.084	-4021.87
3291_3291	3291	3291	-3107.31	-237.378	-1.213	9.515	300.416	3713.833
3291_3292	3291	3292	3104.571	263.743	1.213	-9.515	-290.852	-5679.12
3292_3292	3292	3292	-3104.76	-327.922	-10.82	-19.623	290.852	5679.653
3292_3293	3292	3293	3103.748	336.319	10.82	19.623	-263.691	-6509.79
3293_3293	3293	3293	298.644	895.072	-9.451	-54.427	51.596	29839.32
3293_3294	3293	3294	-283.644	-862.814	9.451	54.444	28.549	-22442.1
3294_3294	3294	3294	252.621	873.414	-9.498	46.195	-39.064	22437.75
3294_3295	3294	3295	-233.728	-837.348	9.498	-46.178	132.329	-14110.7
3295_3295	3295	3295	207.047	767.399	4.745	-24.23	-126.66	14109.73
3295_3296	3295	3296	-187.493	-728.55	-4.745	24.2	74.947	-6024.92
3296_3296	3296	3296	169.868	734.247	4.698	9.564	-76.616	6023.381
3296_3297	3296	3297	-155.823	-705.305	-4.698	-9.577	37.735	-115.488
3297_3297	3297	3297	119.122	709.038	4.51	18.786	-34.054	241.375
3297_3298	3297	3298	-111.873	-695.851	-4.51	-18.788	14.583	2763.834
3298_3298	3298	3298	36.633	614.081	-0.026	7.918	16.278	-2394.32
3298_3299	3298	3299	-27.897	-589.081	0.026	-7.926	-16.066	7314.13

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3299_3299	3299	3299	25.594	589.853	-0.057	0.151	16.1	-7314.33
3299_3300	3299	3300	-19.504	-567.251	0.057	-0.151	-15.673	11599.04
3300_3300	3300	3300	61.872	567.459	0.319	-16.641	11.683	-11837.7
3300_3301	3300	3301	-56.883	-542.689	-0.319	16.641	-13.951	15760.32
3301_3301	3301	3301	56.792	463.246	-0.181	36.235	13.951	-15760.5
3301_3302	3301	3302	-48.921	-421.133	0.181	-36.235	-11.759	21067.9
3302_3302	3302	3302	48.918	421.239	-0.236	-32.346	11.759	-21067.9
3302_3303	3302	3303	-42.39	-378.733	0.236	32.346	-8.885	25916.95
3303_3303	3303	3303	42.391	299.116	1.744	40.787	8.885	-25917.9
3303_3304	3303	3304	-38.62	-254.39	-1.744	-40.787	-31.269	29453.72
3304_3304	3304	3304	38.653	254.495	1.701	-39.15	31.269	-29453.9
3304_3305	3304	3305	-36.619	-214.607	-1.701	39.15	-50.74	32130.56
3305_3305	3305	3305	36.574	140.659	-0.083	56.064	50.74	-32131.6
3305_3306	3305	3306	-37.519	-94.534	0.083	-56.064	-49.644	33694.72
3306_3306	3306	3306	37.562	94.639	-0.136	-58.299	49.644	-33695
3306_3307	3306	3307	-39.633	-56.149	0.136	58.299	-48.146	34539.37
3307_3307	3307	3307	39.612	-14.541	1.313	55.231	48.146	-34540.7
3307_3308	3307	3308	-45.344	58.348	-1.313	-55.231	-64.647	34112.15
3308_3308	3308	3308	45.366	-58.242	1.265	-50.187	64.647	-34112.3
3308_3309	3308	3309	-52.062	99.031	-1.265	50.187	-79.452	33225.88
3309_3309	3309	3309	52.041	-171.23	-0.908	47.579	79.452	-33226.8
3309_3310	3309	3310	-62.492	212.594	0.908	-47.579	-68.671	31001.06
3310_3310	3310	3310	62.481	-212.489	-0.95	-36.296	68.671	-31001
3310_3311	3310	3311	-74.855	255.756	0.95	36.296	-56.877	28155.7
3311_3311	3311	3311	74.896	-317.969	4.389	38.542	56.877	-28156.7
3311_3312	3311	3312	-89.283	360.173	-4.389	-38.542	-110.025	24121.2
3312_3312	3312	3312	89.3	-360.067	4.345	-31.011	110.025	-24121.2
3312_3313	3312	3313	-105.159	402.45	-4.345	31.011	-162.854	19562.22
3313_3313	3313	3313	105.066	-499.272	-4.711	25.536	162.854	-19562.8
3313_3314	3313	3314	-128.357	543.577	4.711	-25.536	-102.972	13047.86
3314_3314	3314	3314	128.335	-543.467	-4.764	-17.753	102.972	-13047.9
3314_3315	3314	3315	-153.051	587.564	4.764	17.753	-42.7	6012.928
3315_3315	3315	3315	153.253	-628.529	-5.218	-1.729	42.7	-6014.3
3315_3316	3315	3316	-171.332	657.052	5.218	1.729	0	841.948
3400_3020	3400	3020	2645.234	-242.53	-8.499	0.786	-276.489	-3455
3400_3401	3400	3401	-2646.28	246.519	8.499	-0.786	311.307	2453.194
3401_3401	3401	3401	2642.931	-238.75	24.531	-1.92	-300.365	-2453.28
3401_3402	3401	3402	-2643.84	242.142	-24.531	1.92	214.815	1614.74
3402_3402	3402	3402	2648.926	-178.625	19.858	0.329	-215.65	-1614.63
3402_3403	3402	3403	-2652.02	189.174	-19.858	-0.329	-1.172	-393.261
3403_3403	3403	3403	2646.894	-111.248	0.925	-0.653	1.465	393.255
3403_3404	3403	3404	-2649.15	118.141	-0.925	0.653	-8.126	-1219.51
3404_3404	3404	3404	2651.155	-57.63	-1.189	0.142	8.455	1219.512
3404_3405	3404	3405	-2653.57	64.482	1.189	-0.142	0.127	-1660.14
3405_3405	3405	3405	2652.315	24.633	0.845	-0.348	-0.331	1660.143
3405_3406	3405	3406	-2657.62	-11.131	-0.845	0.348	-11.848	-1402.47
3406_3406	3406	3406	2655.941	100.591	0.02	-0.734	12.45	1402.473
3406_3407	3406	3407	-2659.5	-92.414	-0.02	0.734	-12.623	-547.897
3407_3407	3407	3407	2657.07	146.308	-5.083	0.036	13.077	547.887
3407_3408	3407	3408	-2659.52	-140.962	5.083	-0.036	15.192	250.977
3408_3408	3408	3408	2636.223	-421.725	8.436	-0.109	-15.711	-251.008
3408_3409	3408	3409	-2636.92	424.841	-8.436	0.109	-9.753	-1026.61
3409_3409	3409	3409	2631.488	403.565	0.096	-0.684	9.929	1026.222

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3409_3410	3409	3410	-2630.79	-400.44	-0.096	0.684	-10.22	190.678
3410_3410	3410	3410	2652.834	-164.352	3.688	-1.307	8.687	-190.666
3410_3411	3410	3411	-2650.38	169.689	-3.688	1.307	-29.171	-736.908
3411_3411	3411	3411	2653.395	-113.191	-2.953	-0.117	28.35	736.941
3411_3412	3411	3412	-2649.84	121.376	2.953	0.117	-2.178	-1776.4
3412_3412	3412	3412	2655.699	-32.692	0.182	-0.597	1.371	1776.418
3412_3413	3412	3413	-2650.39	46.197	-0.182	0.597	-3.994	-2344.9
3413_3413	3413	3413	2655.941	42.32	2.881	-2.44	3.191	2344.938
3413_3414	3413	3414	-2653.53	-35.471	-2.881	2.44	-23.97	-2064.38
3414_3414	3414	3414	2651.99	96.988	-2.501	1.245	22.52	2064.4
3414_3415	3414	3415	-2649.73	-90.09	2.501	-1.245	-4.493	-1390.19
3415_3415	3415	3415	2657.245	168.243	-10.867	-1.148	5.199	1390.206
3415_3416	3415	3416	-2654.15	-157.695	10.867	1.148	113.455	389.142
3416_3416	3416	3416	2649.668	220.545	-11.748	1.409	-113.415	-389.153
3416_3417	3416	3417	-2648.76	-217.157	11.748	-1.409	154.337	1151.524
3417_3417	3417	3417	2651.845	227.014	-17.301	-1.594	-158.398	-1151.58
3417_3036	3417	3036	-2650.8	-223.02	17.301	1.594	229.362	2074.549
3420_3056	3420	3056	2182.541	-225.452	-7.398	0.987	-107.552	-3722.76
3420_3421	3420	3421	-2183.47	228.984	7.398	-0.987	137.837	2792.539
3421_3421	3421	3421	2180.16	-223.397	10.696	-0.485	-131.974	-2792.54
3421_3422	3421	3422	-2180.96	226.401	-10.696	0.485	94.687	2008.528
3422_3422	3422	3422	2185.727	-174.583	9.524	0.659	-94.995	-2008.51
3422_3423	3422	3423	-2188.47	183.935	-9.524	-0.659	-9.047	50.23
3423_3423	3423	3423	2184.996	-119.751	0.699	0.11	7.893	-50.233
3423_3424	3423	3424	-2186.99	125.858	-0.699	-0.11	-12.926	-834.282
3424_3424	3424	3424	2189.296	-75.911	-1.486	0.658	13.222	834.277
3424_3425	3424	3425	-2191.44	81.981	1.486	-0.658	-2.501	-1403.93
3425_3425	3425	3425	2190.892	-9.679	0.198	0.338	2.265	1403.934
3425_3426	3425	3426	-2195.59	21.65	-0.198	-0.338	-5.117	-1629.77
3426_3426	3426	3426	2194.562	52.336	0.24	0.061	5.557	1629.779
3426_3427	3426	3427	-2197.71	-45.095	-0.24	-0.061	-7.677	-1198.59
3427_3427	3427	3427	2196.333	89.927	-1.189	0.67	8.029	1198.59
3427_3428	3427	3428	-2198.52	-85.165	1.189	-0.67	-1.42	-712.049
3428_3428	3428	3428	2173.075	-382.407	-4.041	-0.208	2.472	712.07
3428_3429	3428	3429	-2173.7	385.194	4.041	0.208	9.764	-1874.33
3429_3429	3429	3429	2175.459	389.169	2.091	0.719	-9.88	1877.057
3429_3430	3429	3430	-2174.84	-386.391	-2.091	-0.719	3.568	-706.289
3430_3430	3430	3430	2201.409	-80.495	-0.942	1.063	-3.909	706.289
3430_3431	3430	3431	-2199.22	85.257	0.942	-1.063	9.146	-1166.83
3431_3431	3431	3431	2200.521	-39.338	1.848	-0.215	-8.484	1166.838
3431_3432	3431	3432	-2197.37	46.587	-1.848	0.215	-7.892	-1547.47
3432_3432	3432	3432	2199.065	26.48	-0.247	0.225	7.321	1547.512
3432_3433	3432	3433	-2194.36	-14.513	0.247	-0.225	-3.766	-1252.11
3433_3433	3433	3433	2195.183	86.913	-0.009	0.543	4.258	1252.131
3433_3434	3433	3434	-2193.04	-80.845	0.009	-0.543	-4.194	-647.131
3434_3434	3434	3434	2190.567	131.835	2.089	-0.187	4.413	647.13
3434_3435	3434	3435	-2188.57	-125.722	-2.089	0.187	-19.472	281.25
3435_3435	3435	3435	2192.043	189.314	-17.614	0.172	21.499	-281.251
3435_3436	3435	3436	-2189.3	-179.967	17.614	-0.172	170.811	2297.203
3436_3436	3436	3436	2184.214	233.44	-21.573	0.061	-169.613	-2297.29
3436_3437	3436	3437	-2183.41	-230.429	21.573	-0.061	244.974	3107.502
3437_3437	3437	3437	2187.395	233.509	-7.847	-1.33	-254.555	-3107.59
3437_3072	3437	3072	-2186.47	-229.98	7.847	1.33	286.656	4055.645

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3440_3094	3440	3094	2503.351	-210.241	-8.531	0.499	-38.198	-2356.78
3440_3441	3440	3441	-2504.27	213.742	8.531	-0.499	73.144	1488.365
3441_3441	3441	3441	2499.091	-207.025	5.643	-0.781	-69.158	-1488.37
3441_3442	3441	3442	-2499.89	210.004	-5.643	0.781	49.466	760.749
3442_3442	3442	3442	2504.243	-149.342	5.489	0.371	-49.485	-760.749
3442_3443	3442	3443	-2506.96	158.597	-5.489	-0.371	-10.433	-919.858
3443_3443	3443	3443	2505.173	-85.5	-0.722	0.334	10.56	919.858
3443_3444	3443	3444	-2507.15	91.555	0.722	-0.334	-5.354	-1558.09
3444_3444	3444	3444	2508.603	-33.275	-0.242	-0.09	5.255	1558.09
3444_3445	3444	3445	-2510.72	39.286	0.242	0.09	-3.507	-1819.8
3445_3445	3445	3445	2509.669	44.58	0.116	0.073	4.417	1819.807
3445_3446	3445	3446	-2514.33	-32.727	-0.116	-0.073	-6.084	-1262.7
3446_3446	3446	3446	2512.392	117.749	-0.039	0.18	7.805	1262.71
3446_3447	3446	3447	-2515.51	-110.572	0.039	-0.18	-7.457	-251.665
3447_3447	3447	3447	2512.707	162.241	2.574	-0.228	7.342	251.668
3447_3448	3447	3448	-2514.88	-157.52	-2.574	0.228	-21.648	637.097
3448_3448	3448	3448	2499.557	-376.819	-11.942	3.849	23.275	-637.126
3448_3449	3448	3449	-2500.17	379.577	11.942	-3.849	12.833	-506.446
3449_3449	3449	3449	2499.87	375.299	11.953	-3.881	-12.825	506.784
3449_3450	3449	3450	-2499.25	-372.55	-11.953	3.881	-23.211	620.533
3450_3450	3450	3450	2516.47	-160.036	-1.69	0.148	21.58	-620.516
3450_3451	3450	3451	-2514.3	164.758	1.69	-0.148	-12.185	-282.365
3451_3451	3451	3451	2517.158	-113.025	-0.899	-0.19	12.223	282.364
3451_3452	3451	3452	-2514.04	120.203	0.899	0.19	-4.263	-1315.32
3452_3452	3452	3452	2519.189	-35.422	0.064	-0.115	2.93	1315.329
3452_3453	3452	3453	-2514.53	47.276	-0.064	0.115	-3.852	-1911.34
3453_3453	3453	3453	2518.596	36.485	0.717	-0.227	2.702	1911.348
3453_3454	3453	3454	-2516.48	-30.474	-0.717	0.227	-7.878	-1669.83
3454_3454	3454	3454	2515.088	88.934	0.211	-0.07	7.759	1669.831
3454_3455	3454	3455	-2513.11	-82.879	-0.211	0.07	-9.277	-1050.47
3455_3455	3455	3455	2517.949	156.054	-4.307	-0.211	9.232	1050.47
3455_3456	3455	3456	-2515.24	-146.799	4.307	0.211	37.782	602.298
3456_3456	3456	3456	2510.935	207.714	-6.659	0.128	-37.622	-602.308
3456_3457	3456	3457	-2510.14	-204.736	6.659	-0.128	60.857	1321.882
3457_3457	3457	3457	2515.64	211.094	4.003	-0.588	-64.431	-1321.86
3457_3110	3457	3110	-2514.72	-207.594	-4.003	0.588	48.033	2179.369
3460_3132	3460	3132	2198.113	-309.154	-24.301	-1.323	235.309	-4079.93
3460_3461	3460	3461	-2199.03	313.387	24.301	1.323	-116.185	2554.094
3461_3461	3461	3461	2206.113	-213.13	-11.967	0.037	112.21	-2554.11
3461_3462	3461	3462	-2206.91	216.108	11.967	-0.037	-70.467	1805.494
3462_3462	3462	3462	2211.468	-163.095	-9.986	0	70.932	-1805.48
3462_3463	3462	3463	-2214.18	172.355	9.986	0	38.12	-26.145
3463_3463	3463	3463	2243.892	-111.715	2.753	-0.141	-37.689	25.98
3463_3464	3463	3464	-2245.87	117.768	-2.753	0.141	17.848	-852.995
3464_3464	3464	3464	2248.001	-65.539	2.978	0.188	-17.877	852.995
3464_3465	3464	3465	-2250.12	71.548	-2.978	-0.188	-3.599	-1347.31
3465_3465	3465	3465	2284.787	-5.279	0.025	-0.117	0.707	1347.366
3465_3466	3465	3466	-2289.44	17.129	-0.025	0.117	-1.071	-1508.82
3466_3466	3466	3466	2331.904	44.316	1.887	-0.111	-1.256	1508.703
3466_3467	3466	3467	-2335.02	-37.14	-1.887	0.111	-15.455	-1148.05
3467_3467	3467	3467	2333.765	85.15	1.524	-0.253	15.53	1148.051
3467_3468	3467	3468	-2335.93	-80.43	-1.524	0.253	-24.003	-687.906
3468_3468	3468	3468	2354.773	-448.412	1.507	3.5	22.319	687.901

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3468_3469	3468	3469	-2355.39	451.169	-1.507	-3.5	-26.874	-2047.77
3469_3469	3469	3469	2357.563	448.65	1.187	-3.578	13.33	2056.185
3469_3470	3469	3470	-2356.95	-445.893	-1.187	3.578	-16.92	-703.997
3470_3470	3470	3470	2340.102	-83.286	-1.557	0.256	18.399	704.004
3470_3471	3470	3471	-2337.93	88.006	1.557	-0.256	-9.748	-1180.02
3471_3471	3471	3471	2339.249	-39.91	-1.193	-0.126	9.83	1180.022
3471_3472	3471	3472	-2336.13	47.086	1.193	0.126	0.733	-1565.2
3472_3472	3472	3472	2298.063	16.049	0.08	-0.037	0.913	1565.136
3472_3473	3472	3473	-2293.41	-4.19	-0.08	0.037	-2.065	-1419.22
3473_3473	3473	3473	2263.998	72.076	-0.094	-0.194	2.635	1419.219
3473_3474	3473	3474	-2261.88	-66.066	0.094	0.194	-1.96	-921.083
3474_3474	3474	3474	2259.731	118.617	-0.343	-0.136	1.921	921.083
3474_3475	3474	3475	-2257.75	-112.564	0.343	0.136	0.551	-87.931
3475_3475	3475	3475	2233.562	175.951	1.061	-1.155	-0.149	87.938
3475_3476	3475	3476	-2230.85	-166.69	-1.061	1.155	-11.441	1783.155
3476_3476	3476	3476	2226.197	220.186	6.372	2.94	10.243	-1783.16
3476_3477	3476	3477	-2225.4	-217.207	-6.372	-2.94	-32.473	2546.11
3477_3477	3477	3477	2229.332	221.67	-2.57	-0.085	35.467	-2546.04
3477_3148	3477	3148	-2228.41	-218.17	2.57	0.085	-24.941	3446.644
3480_3168	3480	3168	2144.953	-240.272	32.303	0.673	-95.861	-4522.83
3480_3481	3480	3481	-2145.87	243.772	-32.303	-0.673	-36.431	3531.676
3481_3481	3481	3481	2143.685	-239.11	-4.304	-2.213	29.627	-3531.61
3481_3482	3481	3482	-2144.48	242.088	4.304	2.213	-14.613	2692.287
3482_3482	3482	3482	2149.673	-190.584	-1.522	1.014	15.604	-2692.28
3482_3483	3482	3483	-2152.39	199.845	1.522	-1.014	1.021	560.206
3483_3483	3483	3483	2191.025	-139.317	0.342	0.198	-4.299	-560.222
3483_3484	3483	3484	-2193	145.37	-0.342	-0.198	1.831	-465.762
3484_3484	3484	3484	2195.833	-93.349	0.632	0.179	-1.848	465.761
3484_3485	3484	3485	-2197.95	99.349	-0.632	-0.179	-2.702	-1159.72
3485_3485	3485	3485	2243.54	-35.687	0.91	0.023	-1.152	1159.604
3485_3486	3485	3486	-2248.2	47.546	-0.91	-0.023	-11.976	-1759.68
3486_3486	3486	3486	2304.748	12.586	-2.83	-0.315	7.304	1759.566
3486_3487	3486	3487	-2307.87	-5.411	2.83	0.315	17.754	-1679.88
3487_3487	3487	3487	2307.267	52.868	-3.186	0.307	-17.638	1679.884
3487_3488	3487	3488	-2309.44	-48.148	3.186	-0.307	35.347	-1399.16
3488_3488	3488	3488	2338.021	-478.687	5.379	-5.605	-41.843	1399.163
3488_3489	3488	3489	-2338.64	481.444	-5.379	5.605	25.58	-2850.57
3489_3489	3489	3489	2340.394	482.278	0.136	5.847	0.641	2855.421
3489_3490	3489	3490	-2339.78	-479.521	-0.136	-5.847	-1.052	-1401.5
3490_3490	3490	3490	2309.591	-47.667	0.101	0.242	3.087	1401.372
3490_3491	3490	3491	-2307.42	52.387	-0.101	-0.242	-3.646	-1679.42
3491_3491	3491	3491	2308.013	-4.927	0.457	-0.092	3.762	1679.422
3491_3492	3491	3492	-2304.89	12.102	-0.457	0.092	-7.809	-1754.82
3492_3492	3492	3492	2247.062	48.419	-0.996	-0.098	12.326	1754.791
3492_3493	3492	3493	-2242.41	-36.56	0.996	0.098	2.037	-1142.12
3493_3493	3493	3493	2195.483	101.318	-0.583	-0.285	2.184	1142.187
3493_3494	3493	3494	-2193.36	-95.309	0.583	0.285	2.022	-433.153
3494_3494	3494	3494	2190.618	145.314	-0.776	-0.2	-2.041	433.153
3494_3495	3494	3495	-2188.64	-139.27	0.776	0.2	7.626	591.106
3495_3495	3495	3495	2149.294	200.743	1.495	0.727	-4.789	-591.118
3495_3496	3495	3496	-2146.58	-191.481	-1.495	-0.727	-11.542	2733.001
3496_3496	3496	3496	2141.371	242.91	-1.282	-3.205	12.532	-2733
3496_3497	3496	3497	-2140.58	-239.932	1.282	3.205	-8.06	3575.184

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3497_3497	3497	3497	2143.226	244.387	-24.234	-0.582	11.162	-3575.18
3497_3184	3497	3184	-2142.31	-240.887	24.234	0.582	88.081	4568.814
3500_3204	3500	3204	2396.569	-242.177	-16.689	0.537	-14.728	-3958.49
3500_3501	3500	3501	-2397.66	246.316	16.689	-0.537	83.073	2958.264
3501_3501	3501	3501	2395.303	-240.939	8.186	1.937	-77.289	-2958.44
3501_3502	3501	3502	-2396.24	244.461	-8.186	-1.937	48.732	2111.748
3502_3502	3502	3502	2401.429	-186.887	4.622	-0.101	-49.611	-2111.73
3502_3503	3502	3503	-2404.64	197.84	-4.622	0.101	-0.871	10.787
3503_3503	3503	3503	2399.563	-128.334	0.913	-0.144	1.477	-10.791
3503_3504	3503	3504	-2401.9	135.493	-0.913	0.144	-8.061	-940.011
3504_3504	3504	3504	2404.404	-79.616	-2.117	0.867	8.478	940.007
3504_3505	3504	3505	-2406.91	86.723	2.117	-0.867	6.786	-1539.81
3505_3505	3505	3505	2403.657	-7.63	0.384	0.232	-7.049	1539.845
3505_3506	3505	3506	-2409.16	21.645	-0.384	-0.232	1.515	-1750.77
3506_3506	3506	3506	2406.003	58.44	1.621	0.173	-1.038	1750.755
3506_3507	3506	3507	-2409.69	-49.954	-1.621	-0.173	-13.315	-1270.84
3507_3507	3507	3507	2408.155	99.496	1.246	0.094	13.405	1270.836
3507_3508	3507	3508	-2410.7	-93.96	-1.246	-0.094	-20.329	-733.222
3508_3508	3508	3508	2379.25	-417.019	-0.04	1.954	21.198	733.2
3508_3509	3508	3509	-2379.97	420.253	0.04	-1.954	-21.076	-1998.88
3509_3509	3509	3509	2379.752	419.407	-5.608	-2.084	21.105	1998.565
3509_3510	3509	3510	-2379.03	-416.174	5.608	2.084	-4.15	-735.504
3510_3510	3510	3510	2408.315	-94.648	-0.289	0.117	4.919	735.553
3510_3511	3510	3511	-2405.77	100.184	0.289	-0.117	-3.314	-1276.99
3511_3511	3511	3511	2407.324	-50.691	0.086	-0.148	3.402	1276.99
3511_3512	3511	3512	-2403.64	59.177	-0.086	0.148	-4.164	-1763.43
3512_3512	3512	3512	2404.986	21.599	-0.088	-0.159	4.404	1763.443
3512_3513	3512	3513	-2399.48	-7.573	0.088	0.159	-3.132	-1553.12
3513_3513	3513	3513	2400.147	86.058	0.486	-0.153	2.874	1553.129
3513_3514	3513	3514	-2397.64	-78.951	-0.486	0.153	-6.378	-958.112
3514_3514	3514	3514	2395.156	134.654	0.222	-0.193	6.338	958.112
3514_3515	3514	3515	-2392.82	-127.494	-0.222	0.193	-7.938	-13.359
3515_3515	3515	3515	2397.127	197.011	-10.708	-0.415	7.89	13.365
3515_3516	3515	3516	-2393.92	-186.058	10.708	0.415	109.06	2078.493
3516_3516	3516	3516	2388.763	243.431	-11.674	1.338	-108.808	-2078.51
3516_3517	3516	3517	-2387.82	-239.909	11.674	-1.338	149.533	2921.565
3517_3517	3517	3517	2389.238	243.572	-0.535	-1.821	-151.575	-2921.56
3517_3220	3517	3220	-2388.15	-239.444	0.535	1.821	153.761	3908.178
3520_3241	3520	3241	2379.937	-317.8	-16.741	41.897	-551.869	-7114.48
3520_3521	3520	3521	-2381.25	322.766	16.741	-41.897	620.364	5804.04
3521_3521	3521	3521	2365.497	-321.104	47.727	2.876	-611.684	-5811.33
3521_3522	3521	3522	-2366.63	325.329	-47.727	-2.876	445.394	4685.178
3522_3522	3522	3522	2373.782	-269.145	41.983	1.7	-448.636	-4684.87
3522_3523	3522	3523	-2377.64	282.301	-41.983	-1.7	-9.847	1673.813
3523_3523	3523	3523	2381.715	-206.218	2.376	1.014	5.377	-1673.34
3523_3524	3523	3524	-2384.53	214.822	-2.376	-1.014	-22.508	155.306
3524_3524	3524	3524	2388.931	-158.427	-5.332	-0.031	22.344	-155.333
3524_3525	3524	3525	-2391.94	166.957	5.332	0.031	16.083	-1017.18
3525_3525	3525	3525	2392.24	-85.753	-0.665	-0.406	-18.496	1016.384
3525_3526	3525	3526	-2398.86	102.601	0.665	0.406	28.087	-2374.39
3526_3526	3526	3526	2399.083	-20.962	1.489	-3.308	-27.854	2371.77
3526_3527	3526	3527	-2403.51	31.157	-1.489	3.308	14.67	-2602.54
3527_3527	3527	3527	2403.633	19.457	-4.413	3.368	-11.808	2602.554

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3527_3528	3527	3528	-2406.66	-12.868	4.413	-3.368	36.308	-2512.82
3528_3528	3528	3528	2356.825	-498.934	6.809	-6.977	-38.273	2512.659
3528_3529	3528	3529	-2357.69	502.798	-6.809	6.977	17.634	-4030.75
3529_3529	3529	3529	2355.723	491.499	-1.585	4.674	-17.126	4029.49
3529_3530	3529	3530	-2354.86	-487.647	1.585	-4.674	21.916	-2550.03
3530_3530	3530	3530	2402.146	-20.65	10.037	-4.858	-20.995	2549.32
3530_3531	3530	3531	-2399.12	27.24	-10.037	4.858	-34.741	-2682.29
3531_3531	3531	3531	2399.171	23.631	4.131	1.038	31.749	2682.326
3531_3532	3531	3532	-2394.74	-13.431	-4.131	-1.038	-68.351	-2518.15
3532_3532	3532	3532	2396.816	90.395	-0.618	-0.971	64.485	2516.715
3532_3533	3532	3533	-2390.2	-73.553	0.618	0.971	-55.576	-1335.08
3533_3533	3533	3533	2391.815	148.355	-0.632	0.147	53.889	1334.935
3533_3534	3533	3534	-2388.8	-139.825	0.632	-0.147	-49.336	-296.476
3534_3534	3534	3534	2384.814	196.439	-2.161	-0.828	49.262	296.487
3534_3535	3534	3535	-2382	-187.832	2.161	0.828	-33.676	1089.376
3535_3535	3535	3535	2391.398	252.554	-16.369	3.56	36.411	-1087.69
3535_3536	3535	3536	-2387.55	-239.407	16.369	-3.56	142.241	3772.284
3536_3536	3536	3536	2380.864	297.977	-25.529	-7.963	-138.108	-3772.43
3536_3537	3536	3537	-2379.73	-293.74	25.529	7.963	227.284	4805.904
3537_3537	3537	3537	2353.15	454.461	-17.137	-41.402	-233.198	-4815.51
3537_3255	3537	3255	-2351.84	-447.702	17.137	41.402	327.18	7289.259
3540_3279	3540	3279	3502.665	-476.849	20.937	103.093	-317.187	-4754.24
3540_3541	3540	3541	-3504.07	483.42	-20.937	-103.093	213.029	2365.644
3541_3541	3541	3541	3518.859	-314.833	24.42	0.502	-203.412	-2412.28
3541_3542	3541	3542	-3520.08	319.379	-24.42	-0.502	118.346	1307.634
3542_3542	3542	3542	3526.652	-236.402	19.096	1.275	-118.891	-1307.58
3542_3543	3542	3543	-3530.8	250.564	-19.096	-1.275	-89.717	-1352.22
3543_3543	3543	3543	3558.306	-143.32	-5.131	-2.052	84.539	1349.476
3543_3544	3543	3544	-3561.33	152.57	5.131	2.052	-47.575	-2415.32
3544_3544	3544	3544	3563.906	-69.839	-9.253	-0.343	48.508	2415.304
3544_3545	3544	3545	-3567.15	79.023	9.253	0.343	18.202	-2951.89
3545_3545	3545	3545	3552.994	34.361	-2.24	-1.575	-16.992	2946.619
3545_3546	3545	3546	-3560.11	-16.23	2.24	1.575	49.29	-2581.87
3546_3546	3546	3546	3540.728	130.929	12.977	-1.775	-47.431	2578.029
3546_3547	3546	3547	-3545.5	-119.95	-12.977	1.775	-67.552	-1466.59
3547_3547	3547	3547	3542.11	196.331	4.343	0.256	69.103	1466.52
3547_3548	3547	3548	-3545.36	-189.264	-4.343	-0.256	-93.202	-396.643
3548_3548	3548	3548	3514.08	-563.988	-22.641	0.24	98.343	389.154
3548_3549	3548	3549	-3515.01	568.134	22.641	-0.24	-29.726	-2104.67
3549_3549	3549	3549	3533.621	581.619	-21.903	-3.539	30.578	2107.803
3549_3550	3549	3550	-3532.67	-577.558	21.903	3.539	34.599	-383.072
3550_3550	3550	3550	3553.366	-194.715	17.186	-3.192	-31.361	385.546
3550_3551	3550	3551	-3549.93	201.87	-17.186	3.192	-65.933	-1508.12
3551_3551	3551	3551	3553.64	-121.118	5.311	0.273	63.598	1508.224
3551_3552	3551	3552	-3548.95	131.48	-5.311	-0.273	-108.315	-2571.54
3552_3552	3552	3552	3552.046	5.768	-1.255	-2.042	107.001	2570.192
3552_3553	3552	3553	-3544.91	11.872	1.255	2.042	-89.325	-2613.18
3553_3553	3553	3553	3546.411	116.432	-5.526	-3.381	86.87	2611.383
3553_3554	3553	3554	-3543.18	-107.49	5.526	3.381	-47.985	-1823.47
3554_3554	3554	3554	3539.2	198.945	-14.466	0.076	46.323	1823.52
3554_3555	3554	3555	-3536.2	-189.916	14.466	-0.076	55.558	-454.192
3555_3555	3555	3555	3538.728	313.198	-17.901	-1.211	-56.869	452.65
3555_3556	3555	3556	-3534.69	-299.388	17.901	1.211	247.553	2809.928

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3556_3556	3556	3556	3525.057	397.097	-16.358	6.908	-247.825	-2809.9
3556_3557	3556	3557	-3523.88	-392.622	16.358	-6.908	303.847	4162.197
3557_3557	3557	3557	3491.305	541.552	3.829	-3.835	-304.963	-4164.03
3557_3293	3557	3293	-3489.44	-533.008	-3.829	3.835	280.174	7642.137
4000_4000	4000	4000	7.115	14.996	0.08	0.013	0	-8.868
4000_4001	4000	4001	-21.397	7.334	-0.08	-0.013	-1.105	76.57
4001_4001	4001	4001	21.396	-7.334	0.08	-0.018	1.105	-76.57
4001_4002	4001	4002	-31.883	23.73	-0.08	0.018	-1.916	-70.153
4002_4002	4002	4002	31.893	21.74	-0.097	0.029	1.916	70.089
4002_4003	4002	4003	-28.608	-2.099	0.097	-0.029	-0.741	71.438
4003_4003	4003	4003	28.607	2.099	-0.097	-0.029	0.741	-71.439
4003_4004	4003	4004	-25.323	17.541	0.097	0.029	0.435	-25.716
4004_4004	4004	4004	25.337	19.865	0.028	-0.002	-0.435	25.511
4004_4005	4004	4005	-25.557	-0.22	-0.028	0.002	0.09	96.863
4005_4005	4005	4005	25.557	0.22	0.028	-0.002	-0.09	-96.863
4005_4006	4005	4006	-25.777	19.425	-0.028	0.002	-0.255	-19.558
4006_4006	4006	4006	25.789	19.9	-0.007	0.043	0.255	19.46
4006_4007	4006	4007	-25.489	-0.271	0.007	-0.043	-0.164	102.734
4007_4007	4007	4007	25.489	0.271	-0.007	-0.05	0.164	-102.734
4007_4008	4007	4008	-25.189	19.372	0.007	0.05	-0.073	-13.646
4008_4008	4008	4008	25.188	19.502	0.004	-0.008	0.073	13.689
4008_4009	4008	4009	-24.963	0.148	-0.004	0.008	-0.118	103.713
4009_4009	4009	4009	24.963	-0.148	0.004	0.002	0.118	-103.713
4009_4010	4009	4010	-24.738	19.781	-0.004	-0.002	-0.163	-17.584
4010_4010	4010	4010	24.718	19.23	0.002	-0.008	0.163	17.833
4010_4011	4010	4011	-25.218	0.42	-0.002	0.008	-0.188	97.028
4011_4011	4011	4011	25.218	-0.42	0.002	0.002	0.188	-97.028
4011_4012	4011	4012	-25.717	20.053	-0.002	-0.002	-0.212	-26.808
4012_4012	4012	4012	25.724	18.762	-0.01	-0.037	0.212	26.811
4012_4013	4012	4013	-22.97	0.89	0.01	0.037	-0.09	78.775
4013_4013	4013	4013	22.97	-0.89	-0.01	0.032	0.09	-78.775
4013_4014	4013	4014	-20.219	20.528	0.01	-0.032	0.033	-54.419
4014_4014	4014	4014	20.224	18.714	0.028	0.002	-0.033	54.352
4014_4015	4014	4015	-38.242	7.628	-0.028	-0.002	-0.419	55.465
4015_4015	4015	4015	38.179	-7.63	0.028	-0.014	0.419	-55.37
4015_4016	4015	4016	-47.3	20.971	-0.028	0.014	-0.647	-52.827
4016_4016	4016	4016	17.142	19.751	-0.02	-0.01	0.701	102.349
4016_4017	4016	4017	-21.075	-1.033	0.02	0.01	-0.464	24.022
4017_4017	4017	4017	21.075	1.033	-0.02	0	0.464	-24.022
4017_4018	4017	4018	-25.51	20.073	0.02	0	-0.194	-97.33
4018_4018	4018	4018	25.508	19.589	0.049	0.002	0.194	97.295
4018_4019	4018	4019	-23.68	0.316	-0.049	-0.002	-0.809	21.482
4019_4019	4019	4019	23.681	-0.316	0.05	-0.015	0.809	-21.482
4019_4020	4019	4020	-21.853	20.22	-0.05	0.015	-1.428	-108.462
4020_4020	4020	4020	21.794	20.896	-0.023	-0.008	1.428	108.42
4020_4021	4020	4021	-22.418	-5.76	0.023	0.008	-1.212	18.77
4021_4021	4021	4021	22.399	5.759	-0.023	0.002	1.213	-18.749
4021_4022	4021	4022	-22.909	6.591	0.023	-0.002	-1.034	15.966
4022_4022	4022	4022	22.909	-6.591	-0.023	-0.016	1.034	-15.966
4022_4023	4022	4023	-23.417	18.924	0.023	0.016	-0.86	-82.368
4023_4023	4023	4023	23.416	19.46	-0.104	-0.009	0.86	82.432
4023_4024	4023	4024	-23.36	-6.711	0.104	0.009	-0.026	22.241
4024_4024	4024	4024	23.36	6.711	-0.104	-0.009	0.026	-22.241

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4024_4025	4024	4025	-23.305	6.039	0.104	0.009	0.808	24.863
4025_4025	4025	4025	23.305	-6.039	-0.104	-0.006	-0.808	-24.863
4025_4026	4025	4026	-23.249	18.773	0.104	0.006	1.641	-74.379
4026_4026	4026	4026	23.25	18.965	-0.014	-0.037	-1.641	74.381
4026_4027	4026	4027	-23.315	-9.407	0.014	0.037	1.727	10.776
4027_4027	4027	4027	23.315	9.407	-0.014	-0.037	-1.727	-10.776
4027_4028	4027	4028	-23.381	0.15	0.014	0.037	1.813	38.589
4028_4028	4028	4028	23.38	-0.15	-0.015	0.027	-1.813	-38.589
4028_4029	4028	4029	-23.446	9.709	0.015	-0.027	1.903	9.047
4029_4029	4029	4029	23.446	-9.709	-0.014	0.012	-1.903	-9.047
4029_4030	4029	4030	-23.511	19.266	0.014	-0.012	1.989	-77.84
4030_4030	4030	4030	23.512	18.347	0.06	-0.008	-1.989	77.788
4030_4031	4030	4031	-23.776	-5.604	-0.06	0.008	1.512	18.212
4031_4031	4031	4031	23.776	5.604	0.06	-0.008	-1.512	-18.212
4031_4032	4031	4032	-24.04	7.14	-0.06	0.008	1.035	12.266
4032_4032	4032	4032	24.04	-7.14	0.06	-0.008	-1.035	-12.266
4032_4033	4032	4033	-24.304	19.883	-0.06	0.008	0.557	-95.625
4033_4033	4033	4033	24.307	18.897	0.045	-0.005	-0.557	95.63
4033_4034	4033	4034	-23.839	-6.559	-0.045	0.005	0.211	2.544
4034_4034	4034	4034	23.839	6.559	0.045	-0.005	-0.211	-2.544
4034_4035	4034	4035	-23.371	5.794	-0.045	0.005	-0.137	5.102
4035_4035	4035	4035	23.371	-5.794	0.045	-0.007	0.137	-5.102
4035_4036	4035	4036	-22.798	20.899	-0.045	0.007	-0.565	-121.962
4036_4036	4036	4036	22.767	20.788	-0.015	-0.008	0.565	121.956
4036_4037	4036	4037	-24.27	-0.85	0.015	0.008	-0.373	14.864
4037_4037	4037	4037	24.27	0.85	-0.015	-0.005	0.373	-14.864
4037_4038	4037	4038	-25.771	19.056	0.015	0.005	-0.18	-97.489
4038_4038	4038	4038	25.773	14.336	-0.161	-0.006	0.18	97.6
4038_4039	4038	4039	-17.429	6.776	0.161	0.006	1.96	-56.6
4039_4039	4039	4039	58.465	-4.007	-0.002	-0.005	-0.175	-8.816
4039_4040	4039	4040	-106.779	22.367	0.002	0.005	0.195	-93.874
4040_4040	4040	4040	106.781	19.07	0.025	-0.018	-0.195	93.965
4040_4041	4040	4041	-109.383	-6.171	-0.025	0.018	-0.01	13.505
4041_4041	4041	4041	109.383	6.171	0.025	0.002	0.01	-13.504
4041_4042	4041	4042	-114.386	18.623	-0.025	-0.002	-0.404	-78.907
4042_4042	4042	4042	114.387	20.441	-0.014	-0.006	0.404	78.928
4042_4043	4042	4043	-105.389	-1.775	0.014	0.006	-0.241	43.872
4043_4043	4043	4043	105.389	1.775	-0.014	-0.001	0.241	-43.872
4043_4044	4043	4044	-96.398	16.876	0.014	0.001	-0.078	-56.095
4044_4044	4044	4044	96.384	19.524	0.003	0	0.078	56.224
4044_4045	4044	4045	-89.609	-0.858	-0.003	0	-0.11	58.18
4045_4045	4045	4045	89.609	0.858	0.003	0	0.11	-58.18
4045_4046	4045	4046	-82.833	17.808	-0.003	0	-0.143	-50.361
4046_4046	4046	4046	82.836	19.149	0.004	0.003	0.143	50.363
4046_4047	4046	4047	-76.068	-0.491	-0.004	-0.003	-0.188	59.549
4047_4047	4047	4047	76.068	0.491	0.004	0.003	0.188	-59.549
4047_4048	4047	4048	-69.301	18.168	-0.004	-0.003	-0.232	-53.296
4048_4048	4048	4048	69.29	18.661	-0.014	0.004	0.232	53.419
4048_4049	4048	4049	-61.422	0.013	0.014	-0.004	-0.063	49.319
4049_4049	4049	4049	61.422	-0.013	-0.014	0.008	0.063	-49.319
4049_4050	4049	4050	-53.559	18.672	0.014	-0.008	0.107	-70.879
4050_4050	4050	4050	53.583	18.159	0.023	0.011	-0.107	70.679
4050_4051	4050	4051	-49.818	6.605	-0.023	-0.011	-0.251	17.34

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4051_4051	4051	4051	49.764	-6.605	0.023	-0.002	0.25	-17.26
4051_4052	4051	4052	-47.804	19.504	-0.023	0.002	-0.437	-92.316
4052_4052	4052	4052	47.806	19.62	-0.034	0.007	0.437	92.401
4052_4053	4052	4053	-26.455	-1.251	0.034	-0.007	-0.04	4.979
4053_4053	4053	4053	25.988	2.254	-0.033	0.006	0.127	-5.036
4053_4054	4053	4054	-28.552	17.812	0.033	-0.006	0.316	-95.374
4054_4054	4054	4054	28.545	18.503	0.061	0.006	-0.316	95.242
4054_4055	4054	4055	-28.742	0.432	-0.061	-0.006	-0.452	18.323
4055_4055	4055	4055	28.742	-0.432	0.061	0.006	0.452	-18.323
4055_4056	4055	4056	-28.939	19.366	-0.061	-0.006	-1.221	-104.816
4056_4056	4056	4056	28.958	19.905	-0.051	0.002	1.221	104.827
4056_4057	4056	4057	-29.086	-5.526	0.051	-0.002	-0.736	15.844
4057_4057	4057	4057	29.068	5.526	-0.051	0.008	0.735	-15.824
4057_4058	4057	4058	-29.172	6.212	0.051	-0.008	-0.339	13.126
4058_4058	4058	4058	29.172	-6.212	-0.051	0.008	0.339	-13.126
4058_4059	4058	4059	-29.277	17.95	0.051	-0.008	0.056	-80.536
4059_4059	4059	4059	29.277	18.873	-0.087	-0.001	-0.056	80.53
4059_4060	4059	4060	-28	-6.746	0.087	0.001	0.749	20.659
4060_4060	4060	4060	28	6.746	-0.087	0.022	-0.749	-20.659
4060_4061	4060	4061	-26.725	5.368	0.087	-0.022	1.442	24.794
4061_4061	4061	4061	26.725	-5.368	-0.087	-0.004	-1.442	-24.794
4061_4062	4061	4062	-25.45	17.481	0.087	0.004	2.134	-67.94
4062_4062	4062	4062	25.449	18.323	0.004	0.022	-2.134	67.988
4062_4063	4062	4063	-24.824	-9.231	-0.004	-0.022	2.109	14.01
4063_4063	4063	4063	24.825	9.231	0.004	0.038	-2.109	-14.01
4063_4064	4063	4064	-24.2	-0.138	-0.004	-0.038	2.083	41.431
4064_4064	4064	4064	24.2	0.138	0.004	-0.019	-2.083	-41.431
4064_4065	4064	4065	-23.576	8.939	-0.004	0.019	2.058	14.36
4065_4065	4065	4065	23.576	-8.939	0.004	-0.02	-2.058	-14.36
4065_4066	4065	4066	-22.951	18.031	-0.004	0.02	2.033	-67.287
4066_4066	4066	4066	22.952	17.999	0.102	0.012	-2.033	67.297
4066_4067	4066	4067	-21.7	-5.874	-0.102	-0.012	1.219	26.808
4067_4067	4067	4067	21.7	5.874	0.102	0.013	-1.219	-26.808
4067_4068	4067	4068	-20.45	6.236	-0.102	-0.013	0.407	23.917
4068_4068	4068	4068	20.45	-6.236	0.102	-0.01	-0.407	-23.917
4068_4069	4068	4069	-19.198	18.36	-0.102	0.01	-0.406	-75.966
4069_4069	4069	4069	19.195	17.714	0.031	0.004	0.406	75.914
4069_4070	4069	4070	-19.374	-5.984	-0.031	-0.004	-0.649	16.202
4070_4070	4070	4070	19.374	5.984	0.031	0.004	0.649	-16.202
4070_4071	4070	4071	-19.553	5.761	-0.031	-0.004	-0.893	17.421
4071_4071	4071	4071	19.531	-5.761	0.031	0.009	0.897	-17.403
4071_4072	4071	4072	-19.75	20.147	-0.031	-0.009	-1.196	-105.197
4072_4072	4072	4072	19.745	20.152	-0.002	-0.004	1.196	105.206
4072_4073	4072	4073	-19.311	-1.22	0.002	0.004	-1.169	27.493
4073_4073	4073	4073	19.312	1.22	-0.002	0.013	1.169	-27.493
4073_4074	4073	4074	-18.878	17.713	0.002	-0.013	-1.142	-76.448
4074_4074	4074	4074	18.881	14.424	-0.269	-0.015	1.142	76.498
4074_4075	4074	4075	0.718	5.646	0.269	0.015	2.422	-39.736
4075_4075	4075	4075	44.837	-2.999	-0.01	0.025	0.112	-33.335
4075_4076	4075	4076	-87.826	20.404	0.01	-0.025	0	-54.703
4076_4076	4076	4076	87.832	17.729	0.022	0.01	0	54.857
4076_4077	4076	4077	-85.588	-5.506	-0.022	-0.01	-0.184	38.547
4077_4077	4077	4077	85.512	5.506	0.022	-0.003	0.186	-38.419

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4077_4078	4077	4078	-81.595	15.84	-0.022	0.003	-0.508	-40.299
4078_4078	4078	4078	81.61	17.693	-0.02	0.001	0.508	40.175
4078_4079	4078	4079	-78.198	-1.064	0.02	-0.001	-0.281	61.046
4079_4079	4079	4079	78.198	1.064	-0.02	0.001	0.281	-61.046
4079_4080	4079	4080	-74.786	15.565	0.02	-0.001	-0.054	-24.382
4080_4080	4080	4080	74.814	16.736	0.004	0.001	0.054	24.166
4080_4081	4080	4081	-72.186	-0.11	-0.004	-0.001	-0.102	67.265
4081_4081	4081	4081	72.186	0.11	0.004	0.001	0.102	-67.265
4081_4082	4081	4082	-69.557	16.515	-0.004	-0.001	-0.149	-27.872
4082_4082	4082	4082	69.552	18.048	-0.001	-0.034	0.149	27.939
4082_4083	4082	4083	-66.552	-0.178	0.001	0.034	-0.134	78.397
4083_4083	4083	4083	66.552	0.178	-0.001	0.038	0.134	-78.397
4083_4084	4083	4084	-63.553	17.693	0.001	-0.038	-0.119	-30.836
4084_4084	4084	4084	63.557	16.733	-0.003	0.033	0.119	30.838
4084_4085	4084	4085	-61.016	-0.111	0.003	-0.033	-0.091	60.598
4085_4085	4085	4085	61.016	0.111	-0.002	-0.028	0.091	-60.598
4085_4086	4085	4086	-58.473	16.525	0.002	0.028	-0.063	-34.622
4086_4086	4086	4086	58.494	16.204	0.007	0.027	0.063	34.455
4086_4087	4086	4087	-55.042	0.418	-0.007	-0.027	-0.145	49.896
4087_4087	4087	4087	55.042	-0.418	0.007	-0.021	0.145	-49.896
4087_4088	4087	4088	-51.591	17.039	-0.007	0.021	-0.227	-52.24
4088_4088	4088	4088	51.571	14.959	-0.015	-0.005	0.227	52.433
4088_4089	4088	4089	-53.733	5.573	0.015	0.005	-0.022	15.156
4089_4089	4089	4089	53.681	-5.573	-0.015	0.009	0.022	-15.082
4089_4090	4089	4090	-54.966	17.789	0.015	-0.009	0.099	-79.725
4090_4090	4090	4090	54.962	17.925	-0.003	0.001	-0.099	79.912
4090_4091	4090	4091	-36.176	-0.506	0.003	-0.001	0.134	5.495
4091_4091	4091	4091	36.09	1.388	0.015	0	-0.231	-5.755
4091_4092	4091	4092	-40.475	17.946	-0.015	0	0.03	-99.34
4092_4092	4092	4092	40.469	18.094	0.008	-0.001	-0.03	99.205
4092_4093	4092	4093	-39.728	0.142	-0.008	0.001	-0.075	12.615
4093_4093	4093	4093	39.728	-0.142	0.008	-0.001	0.075	-12.615
4093_4094	4093	4094	-38.987	18.378	-0.008	0.001	-0.18	-103.444
4094_4094	4094	4094	38.935	19.109	-0.024	-0.002	0.18	103.414
4094_4095	4094	4095	-39.238	-5.239	0.024	0.002	0.044	12.464
4095_4095	4095	4095	39.171	5.239	-0.024	0.005	-0.046	-12.38
4095_4096	4095	4096	-39.419	6.076	0.024	-0.005	0.23	9.271
4096_4096	4096	4096	39.419	-6.076	-0.024	-0.005	-0.23	-9.271
4096_4097	4096	4097	-39.666	17.376	0.024	0.005	0.412	-81.398
4097_4097	4097	4097	39.667	18.034	0.016	-0.001	-0.412	81.401
4097_4098	4097	4098	-38.943	-6.355	-0.016	0.001	0.283	15.349
4098_4098	4098	4098	38.943	6.355	0.016	0	-0.283	-15.349
4098_4099	4098	4099	-38.219	5.31	-0.016	0	0.154	18.682
4099_4099	4099	4099	38.219	-5.31	0.016	-0.001	-0.154	-18.682
4099_4100	4099	4100	-37.494	16.989	-0.016	0.001	0.025	-71.392
4100_4100	4100	4100	37.493	17.541	-0.005	0.005	-0.025	71.384
4100_4101	4100	4101	-37.172	-8.781	0.005	-0.005	0.056	7.22
4101_4101	4101	4101	37.172	8.781	-0.005	-0.003	-0.056	-7.22
4101_4102	4101	4102	-36.851	-0.022	0.005	0.003	0.086	33.242
4102_4102	4102	4102	36.851	0.022	-0.005	-0.002	-0.086	-33.242
4102_4103	4102	4103	-36.531	8.722	0.005	0.002	0.116	6.777
4103_4103	4103	4103	36.531	-8.722	-0.005	-0.002	-0.116	-6.777
4103_4104	4103	4104	-36.21	17.482	0.005	0.002	0.146	-72.265

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4104_4104	4104	4104	36.21	17.186	-0.011	0.011	-0.146	72.268
4104_4105	4104	4105	-35.642	-5.507	0.011	-0.011	0.236	17.79
4105_4105	4105	4105	35.642	5.507	-0.011	-0.006	-0.236	-17.79
4105_4106	4105	4106	-35.076	6.157	0.011	0.006	0.326	14.435
4106_4106	4106	4106	35.075	-6.157	-0.011	-0.007	-0.326	-14.435
4106_4107	4106	4107	-34.508	17.836	0.011	0.007	0.416	-82.336
4107_4107	4107	4107	34.508	17.172	0.018	0.001	-0.416	82.354
4107_4108	4107	4108	-34.304	-5.857	-0.018	-0.001	0.277	6.852
4108_4108	4108	4108	34.304	5.857	0.018	-0.003	-0.277	-6.852
4108_4109	4108	4109	-34.101	5.442	-0.018	0.003	0.137	8.39
4109_4109	4109	4109	34.124	-5.442	0.018	0.002	-0.139	-8.416
4109_4110	4109	4110	-33.874	19.311	-0.018	-0.002	-0.031	-109.298
4110_4110	4110	4110	33.87	19.144	0.013	0.005	0.031	109.301
4110_4111	4110	4111	-34.557	-0.898	-0.013	-0.005	-0.198	16.242
4111_4111	4111	4111	34.556	0.898	0.013	-0.005	0.198	-16.242
4111_4112	4111	4112	-35.242	17.334	-0.013	0.005	-0.365	-86.189
4112_4112	4112	4112	35.243	13.655	-0.108	0.001	0.365	86.215
4112_4113	4112	4113	-19.791	5.686	0.108	-0.001	1.07	-50.816
4113_4113	4113	4113	61.118	-3.377	-0.005	-0.002	0.115	-15.986
4113_4114	4113	4114	-102.869	20.489	0.005	0.002	-0.053	-75.686
4114_4114	4114	4114	102.877	17.183	0.009	-0.051	0.053	75.538
4114_4115	4114	4115	-104.341	-5.184	-0.009	0.051	-0.127	18.618
4115_4115	4115	4115	104.342	5.184	0.009	0.028	0.127	-18.618
4115_4116	4115	4116	-106.896	15.743	-0.009	-0.028	-0.256	-53.792
4116_4116	4116	4116	106.894	17.958	-0.008	-0.001	0.256	53.815
4116_4117	4116	4117	-100.974	-1.619	0.008	0.001	-0.165	49.279
4117_4117	4117	4117	100.974	1.619	-0.008	-0.001	0.165	-49.279
4117_4118	4117	4118	-95.055	14.72	0.008	0.001	-0.075	-30.987
4118_4118	4118	4118	95.024	16.876	0	-0.034	0.075	31.209
4118_4119	4118	4119	-90.475	-0.538	0	0.034	-0.081	61.367
4119_4119	4119	4119	90.476	0.538	0	0.034	0.081	-61.367
4119_4120	4119	4120	-85.923	15.814	0	-0.034	-0.086	-29.548
4120_4120	4120	4120	85.953	18.078	-0.003	-0.036	0.086	29.315
4120_4121	4120	4121	-81.096	-0.532	0.003	0.036	-0.046	77.285
4121_4121	4121	4121	81.096	0.532	-0.003	0.038	0.046	-77.285
4121_4122	4121	4122	-76.235	17.029	0.003	-0.038	-0.006	-27.745
4122_4122	4122	4122	76.235	16.736	-0.002	-0.03	0.006	27.744
4122_4123	4122	4123	-71.976	-0.4	0.002	0.03	0.021	63.508
4123_4123	4123	4123	71.976	0.4	-0.002	0.034	-0.021	-63.508
4123_4124	4123	4124	-67.714	15.952	0.002	-0.034	0.049	-28.712
4124_4124	4124	4124	67.744	16.228	0.001	0.002	-0.049	28.498
4124_4125	4124	4125	-62.397	0.109	-0.001	-0.002	0.033	55.663
4125_4125	4125	4125	62.397	-0.109	0.001	0.002	-0.033	-55.663
4125_4126	4125	4126	-57.051	16.446	-0.001	-0.002	0.018	-43.483
4126_4126	4126	4126	57.083	14.624	-0.018	-0.007	-0.018	43.3
4126_4127	4126	4127	-57.42	5.381	0.018	0.007	0.268	20.973
4127_4127	4127	4127	57.42	-5.381	-0.018	0.015	-0.268	-20.973
4127_4128	4127	4128	-57.623	17.393	0.018	-0.015	0.419	-72.509
4128_4128	4128	4128	57.627	17.793	0.033	0.005	-0.419	72.358
4128_4129	4128	4129	-37.781	-0.685	-0.033	-0.005	0.034	11.53
4129_4129	4129	4129	37.658	1.572	0.063	-0.003	-0.346	-11.558
4129_4130	4129	4130	-42.479	17.726	-0.063	0.003	-0.483	-90.436
4130_4130	4130	4130	42.465	17.573	-0.114	0.006	0.483	90.324

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4130_4131	4130	4131	-42.299	0.633	0.114	-0.006	0.938	16.027
4131_4131	4131	4131	42.299	-0.633	-0.114	-0.005	-0.938	-16.027
4131_4132	4131	4132	-42.133	18.825	0.114	0.005	2.357	-105.008
4132_4132	4132	4132	43.425	18.946	0.191	0.006	-2.357	94.853
4132_4133	4132	4133	-42.741	-5.109	-0.191	-0.006	0.541	18.667
4133_4133	4133	4133	42.741	5.109	0.192	-0.003	-0.541	-18.667
4133_4134	4133	4134	-42.183	6.179	-0.192	0.003	-0.945	13.919
4134_4134	4134	4134	42.183	-6.179	0.192	-0.003	0.945	-13.919
4134_4135	4134	4135	-41.625	17.481	-0.192	0.003	-2.432	-78.485
4135_4135	4135	4135	41.671	18.204	-0.065	-0.001	2.432	78.617
4135_4136	4135	4136	-41.044	-6.551	0.065	0.001	-1.909	19.568
4136_4136	4136	4136	41.044	6.551	-0.065	-0.001	1.909	-19.568
4136_4137	4136	4137	-40.417	5.102	0.065	0.001	-1.386	24.522
4137_4137	4137	4137	40.417	-5.102	-0.065	-0.001	1.386	-24.522
4137_4138	4137	4138	-39.79	16.754	0.065	0.001	-0.862	-63.755
4138_4138	4138	4138	39.793	17.46	-0.02	-0.001	0.862	63.649
4138_4139	4138	4139	-39.45	-8.72	0.02	0.001	-0.74	14.425
4139_4139	4139	4139	39.45	8.72	-0.02	-0.001	0.74	-14.425
4139_4140	4139	4140	-39.107	0.019	0.02	0.001	-0.617	40.057
4140_4140	4140	4140	39.107	-0.019	-0.02	-0.001	0.617	-40.057
4140_4141	4140	4141	-38.763	8.759	0.02	0.001	-0.495	13.246
4141_4141	4141	4141	38.763	-8.759	-0.02	-0.001	0.495	-13.246
4141_4142	4141	4142	-38.42	17.499	0.02	0.001	-0.373	-66.006
4142_4142	4142	4142	38.429	17.041	-0.035	0.004	0.373	65.907
4142_4143	4142	4143	-37.691	-5.388	0.035	-0.004	-0.094	22.774
4143_4143	4143	4143	37.691	5.388	-0.035	0.004	0.094	-22.774
4143_4144	4143	4144	-36.953	6.265	0.035	-0.004	0.185	18.223
4144_4144	4144	4144	36.953	-6.265	-0.034	-0.012	-0.185	-18.223
4144_4145	4144	4145	-36.214	17.918	0.034	0.012	0.456	-79.557
4145_4145	4145	4145	36.205	17.044	-0.011	-0.001	-0.456	79.468
4145_4146	4145	4146	-36.521	-5.77	0.011	0.001	0.537	9.367
4146_4146	4146	4146	36.521	5.77	-0.009	-0.006	-0.537	-9.367
4146_4147	4146	4147	-36.837	5.519	0.009	0.006	0.61	10.878
4147_4147	4147	4147	36.917	-5.519	-0.01	-0.001	-0.614	-10.967
4147_4148	4147	4148	-37.306	19.356	0.01	0.001	0.711	-106.54
4148_4148	4148	4148	37.308	19.381	0.032	-0.003	-0.711	106.598
4148_4149	4148	4149	-37.306	-1.173	-0.032	0.003	0.31	21.356
4149_4149	4149	4149	37.306	1.173	0.032	-0.003	-0.31	-21.356
4149_4150	4149	4150	-37.304	17.034	-0.032	0.003	-0.091	-78.305
4150_4150	4150	4150	37.303	13.068	-0.056	-0.013	0.091	78.305
4150_4151	4150	4151	-17.588	6.232	0.056	0.013	0.651	-55.752
4151_4151	4151	4151	67.398	-3.49	-0.003	0.009	-0.108	-25.115
4151_4152	4151	4152	-113.718	21.342	0.003	-0.009	0.14	-68.063
4152_4152	4152	4152	113.719	17.239	0.002	-0.016	-0.14	68.063
4152_4153	4152	4153	-115.778	-4.705	-0.002	0.016	0.121	25.063
4153_4153	4153	4153	115.969	4.705	0.002	0.007	-0.121	-25.401
4153_4154	4153	4154	-119.405	16.17	-0.002	-0.007	0.095	-49.033
4154_4154	4154	4154	119.404	18.384	0.001	0.032	-0.095	49.033
4154_4155	4154	4155	-112.162	-1.672	-0.001	-0.032	0.082	53.241
4155_4155	4155	4155	112.162	1.672	0.002	-0.034	-0.082	-53.241
4155_4156	4155	4156	-104.92	15.04	-0.002	0.034	0.061	-28.336
4156_4156	4156	4156	104.919	16.292	0.002	0.035	-0.061	28.337
4156_4157	4156	4157	-100.513	-1.084	-0.002	-0.035	0.044	53.818

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4157_4157	4157	4157	100.513	1.084	0.002	-0.033	-0.044	-53.818
4157_4158	4157	4158	-96.107	14.125	-0.002	0.033	0.019	-16.276
4158_4158	4158	4158	96.132	15.049	0.002	0.035	-0.019	16.088
4158_4159	4158	4159	-91.401	0.16	-0.002	-0.035	0	53.247
4159_4159	4159	4159	91.401	-0.16	0.003	-0.029	0	-53.247
4159_4160	4159	4160	-86.671	15.368	-0.003	0.029	-0.027	-29.666
4160_4160	4160	4160	86.669	16.431	0.001	0.003	0.027	29.665
4160_4161	4160	4161	-80.545	0.281	-0.001	-0.003	-0.034	52.262
4161_4161	4161	4161	80.545	-0.281	0.001	0.004	0.034	-52.262
4161_4162	4161	4162	-74.426	16.978	-0.001	-0.004	-0.041	-49.488
4162_4162	4162	4162	74.403	15.467	0.004	-0.01	0.041	49.642
4162_4163	4162	4163	-73.765	5.423	-0.004	0.01	-0.102	19.574
4163_4163	4163	4163	73.912	-5.423	0.003	0.024	0.103	-19.779
4163_4164	4163	4164	-73.532	17.958	-0.003	-0.024	-0.131	-76.581
4164_4164	4164	4164	73.545	18.733	-0.005	0	0.131	76.455
4164_4165	4164	4165	-51.563	-0.881	0.005	0	-0.074	11.314
4165_4165	4165	4165	51.437	1.74	-0.004	0.003	0.109	-11.123
4165_4166	4165	4166	-55.395	18.912	0.004	-0.003	-0.059	-97.976
4166_4166	4166	4166	55.407	19.175	0.001	0.002	0.059	98.087
4166_4167	4166	4167	-55.265	0.322	-0.001	-0.002	-0.071	19.976
4167_4167	4167	4167	55.265	-0.322	0.001	0.002	0.071	-19.976
4167_4168	4167	4168	-55.124	19.82	-0.001	-0.002	-0.083	-105.704
4168_4168	4168	4168	55.165	20.433	-0.002	0.008	0.083	105.828
4168_4169	4168	4169	-55.733	-5.614	0.002	-0.008	-0.062	18.372
4169_4169	4169	4169	55.81	5.614	-0.001	-0.004	0.061	-18.465
4169_4170	4169	4170	-56.273	6.474	0.001	0.004	-0.05	15.513
4170_4170	4170	4170	56.273	-6.474	-0.001	-0.004	0.05	-15.513
4170_4171	4170	4171	-56.736	18.562	0.001	0.004	-0.038	-81.131
4171_4171	4171	4171	56.734	19.498	-0.001	0	0.038	81.133
4171_4172	4171	4172	-55.587	-7.019	0.001	0	-0.027	23.693
4172_4172	4172	4172	55.587	7.019	-0.001	0	0.027	-23.693
4172_4173	4172	4173	-54.44	5.459	0.001	0	-0.017	28.682
4173_4173	4173	4173	54.44	-5.459	-0.001	0	0.017	-28.682
4173_4174	4173	4174	-53.293	17.938	0.001	0	-0.006	-66.167
4174_4174	4174	4174	53.301	18.795	0	0	0.006	66.071
4174_4175	4174	4175	-52.813	-9.437	0	0	-0.005	18.074
4175_4175	4175	4175	52.813	9.437	0	0	0.005	-18.074
4175_4176	4175	4176	-52.324	-0.078	0	0	-0.005	46.062
4176_4176	4176	4176	52.324	0.078	0	0	0.005	-46.062
4176_4177	4176	4177	-51.836	9.281	0	0	-0.004	17.891
4177_4177	4177	4177	51.836	-9.281	0	0	0.004	-17.891
4177_4178	4177	4178	-51.348	18.64	0	0	-0.004	-66.438
4178_4178	4178	4178	51.357	18.287	-0.001	0.007	0.004	66.342
4178_4179	4178	4179	-50.525	-5.824	0.001	-0.007	0.003	28.978
4179_4179	4179	4179	50.525	5.824	-0.001	0.007	-0.003	-28.978
4179_4180	4179	4180	-49.693	6.655	0.001	-0.007	0.009	24.642
4180_4180	4180	4180	49.693	-6.655	0	-0.017	-0.009	-24.642
4180_4181	4180	4181	-48.86	19.133	0	0.017	0.007	-79.529
4181_4181	4181	4181	48.874	18.266	0.002	0.003	-0.007	79.629
4181_4182	4181	4182	-48.912	-6.178	-0.002	-0.003	-0.006	15.298
4182_4182	4182	4182	48.912	6.178	0.003	-0.009	0.006	-15.298
4182_4183	4182	4183	-48.949	5.911	-0.003	0.009	-0.029	16.529
4183_4183	4183	4183	49.054	-5.911	0.002	0	0.026	-16.643

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4183_4184	4183	4184	-49.1	20.729	-0.002	0	-0.046	-109.665
4184_4184	4184	4184	49.109	20.634	-0.011	-0.003	0.046	109.665
4184_4185	4184	4185	-49.021	-1.137	0.011	0.003	0.088	25.934
4185_4185	4185	4185	49.021	1.137	-0.011	-0.003	-0.088	-25.934
4185_4186	4185	4186	-48.933	18.361	0.011	0.003	0.221	-82.21
4186_4186	4186	4186	48.929	15.073	0.012	-0.018	-0.221	82.209
4186_4187	4186	4187	-31.475	5.594	-0.012	0.018	0.061	-39.325
4187_4187	4187	4187	76.499	-3.236	0.001	0.013	-0.017	-34.302
4187_4188	4187	4188	-122.147	22.354	-0.001	-0.013	0.01	-60.956
4188_4188	4188	4188	122.147	19.07	0	-0.021	-0.01	60.956
4188_4189	4188	4189	-119.099	-5.647	0	0.021	0.01	37.631
4189_4189	4189	4189	120.398	5.638	0	0.008	-0.011	-36.33
4189_4190	4189	4190	-115.281	16.717	0	-0.008	0.015	-45.322
4190_4190	4190	4190	115.282	19.276	-0.002	0.034	-0.015	45.321
4190_4191	4190	4191	-109.658	-1.379	0.002	-0.034	0.036	61.444
4191_4191	4191	4191	109.658	1.379	-0.001	-0.039	-0.036	-61.444
4191_4192	4191	4192	-104.034	16.518	0.001	0.039	0.05	-28.676
4192_4192	4192	4192	104.028	17.315	0.003	-0.001	-0.05	28.677
4192_4193	4192	4193	-99.943	-0.964	-0.003	0.001	0.016	58.286
4193_4193	4193	4193	99.943	0.964	0.003	-0.001	-0.016	-58.286
4193_4194	4193	4194	-95.859	15.388	-0.003	0.001	-0.019	-19.1
4194_4194	4194	4194	95.879	16.038	0.003	-0.032	0.019	18.914
4194_4195	4194	4195	-91.874	0.297	-0.003	0.032	-0.049	55.264
4195_4195	4195	4195	91.873	-0.297	0.002	0.033	0.049	-55.264
4195_4196	4195	4196	-87.864	16.648	-0.002	-0.033	-0.072	-34.749
4196_4196	4196	4196	87.854	17.544	-0.003	-0.025	0.072	34.932
4196_4197	4196	4197	-82.057	0.353	0.003	0.025	-0.037	52.599
4197_4197	4197	4197	82.057	-0.353	-0.004	0.029	0.037	-52.6
4197_4198	4197	4198	-76.259	18.251	0.004	-0.029	0.004	-56.755
4198_4198	4198	4198	76.254	16.518	0.003	0.006	-0.004	56.755
4198_4199	4198	4199	-77.195	5.854	-0.003	-0.006	-0.037	17.893
4199_4199	4199	4199	77.3	-5.854	0.003	-0.005	0.039	-18.031
4199_4200	4199	4200	-77.866	19.276	-0.003	0.005	-0.067	-84.844
4200_4200	4200	4200	77.872	20.204	-0.004	0.005	0.067	84.704
4200_4201	4200	4201	-54.101	-1.103	0.004	-0.005	-0.024	11.207
4201_4201	4201	4201	55.11	2.052	-0.008	-0.001	0.165	-12.924
4201_4202	4201	4202	-59.198	20.349	0.008	0.001	-0.062	-103.839
4202_4202	4202	4202	59.197	20.678	0.013	0.001	0.062	103.842
4202_4203	4202	4203	-59.126	0.455	-0.013	-0.001	-0.221	23.069
4203_4203	4203	4203	59.126	-0.455	0.013	0.001	0.221	-23.069
4203_4204	4203	4204	-59.055	21.588	-0.013	-0.001	-0.381	-114.204
4204_4204	4204	4204	59.064	22.098	-0.005	0.004	0.381	114.206
4204_4205	4204	4205	-59.804	-6.037	0.005	-0.004	-0.329	20.011
4205_4205	4205	4205	59.972	6.037	-0.005	-0.01	0.335	-20.191
4205_4206	4205	4206	-60.574	7.065	0.005	0.01	-0.297	16.668
4206_4206	4206	4206	60.574	-7.065	-0.006	0.009	0.297	-16.668
4206_4207	4206	4207	-61.176	20.167	0.006	-0.009	-0.253	-88.409
4207_4207	4207	4207	61.174	20.952	-0.041	-0.016	0.253	88.408
4207_4208	4207	4208	-60.169	-7.427	0.041	0.016	0.079	23.941
4208_4208	4208	4208	60.169	7.427	-0.042	0.01	-0.079	-23.941
4208_4209	4208	4209	-59.164	6.098	0.042	-0.01	0.417	28.081
4209_4209	4209	4209	59.164	-6.098	-0.042	0.01	-0.417	-28.081
4209_4210	4209	4210	-58.159	19.623	0.042	-0.01	0.754	-75.988

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4210_4210	4210	4210	58.158	20.349	-0.009	0.002	-0.754	75.859
4210_4211	4210	4211	-57.74	-10.205	0.009	-0.002	0.81	15.28
4211_4211	4211	4211	57.74	10.205	-0.009	0.002	-0.81	-15.28
4211_4212	4211	4212	-57.323	-0.078	0.009	-0.002	0.866	45.55
4212_4212	4212	4212	57.323	0.078	-0.009	0.001	-0.866	-45.55
4212_4213	4212	4213	-56.905	10.065	0.009	-0.001	0.922	15.055
4213_4213	4213	4213	56.905	-10.065	-0.009	0.001	-0.922	-15.055
4213_4214	4213	4214	-56.487	20.209	0.009	-0.001	0.977	-76.308
4214_4214	4214	4214	56.493	19.987	0.037	0.001	-0.977	76.441
4214_4215	4214	4215	-55.712	-6.462	-0.037	-0.001	0.683	28.299
4215_4215	4215	4215	55.712	6.462	0.037	0.001	-0.683	-28.299
4215_4216	4215	4216	-54.931	7.063	-0.037	-0.001	0.389	24.831
4216_4216	4216	4216	54.931	-7.063	0.037	0.001	-0.389	-24.831
4216_4217	4216	4217	-54.15	20.588	-0.037	-0.001	0.095	-86.843
4217_4217	4217	4217	54.156	19.821	-0.003	0.008	-0.095	86.95
4217_4218	4217	4218	-54.119	-6.719	0.003	-0.008	0.12	16.096
4218_4218	4218	4218	54.118	6.719	-0.002	-0.006	-0.12	-16.096
4218_4219	4218	4219	-54.081	6.383	0.002	0.006	0.139	17.592
4219_4219	4219	4219	54.126	-6.383	-0.003	0.007	-0.14	-17.635
4219_4220	4219	4220	-54.082	22.444	0.003	-0.007	0.168	-119.065
4220_4220	4220	4220	54.12	22.445	0.087	0.002	-0.168	119.045
4220_4221	4220	4221	-53.71	-1.314	-0.087	-0.002	-0.92	28.341
4221_4221	4221	4221	53.71	1.314	0.087	0.002	0.92	-28.341
4221_4222	4221	4222	-53.301	19.817	-0.087	-0.002	-2.008	-88.416
4222_4222	4222	4222	53.291	16.643	-0.555	0.01	2.008	88.283
4222_4223	4222	4223	-37.31	5.756	0.555	-0.01	5.352	-34.832
4223_4223	4223	4223	77.1	-3.412	-0.003	-0.005	-0.147	-29.112
4223_4224	4223	4224	-123.061	24.115	0.003	0.005	0.177	-78.73
4224_4224	4224	4224	123.068	21.902	0.02	0.013	-0.177	78.585
4224_4225	4224	4225	-119.622	-7.381	-0.02	-0.013	0.009	38.46
4225_4225	4225	4225	119.842	7.379	0.02	-0.004	-0.005	-38.831
4225_4226	4225	4226	-113.281	20.271	-0.02	0.004	-0.307	-69.208
4226_4226	4226	4226	113.287	22.18	-0.003	0.231	0.307	69.149
4226_4227	4226	4227	-107.956	-1.086	0.003	-0.231	-0.272	63.954
4227_4227	4227	4227	107.953	1.086	0	-0.225	0.272	-63.955
4227_4228	4227	4228	-102.622	20.011	0	0.225	-0.268	-55.514
4228_4228	4228	4228	102.579	21.471	0.018	0.001	0.268	55.626
4228_4229	4228	4229	-97.882	-0.37	-0.018	-0.001	-0.483	69.846
4229_4229	4229	4229	97.882	0.37	0.018	0.001	0.483	-69.846
4229_4230	4229	4230	-93.185	20.732	-0.018	-0.001	-0.698	-57.392
4230_4230	4230	4230	93.23	21.328	-0.016	0.3	0.698	57.401
4230_4231	4230	4231	-88.904	0.214	0.016	-0.3	-0.502	66.491
4231_4231	4231	4231	88.896	-0.214	-0.012	-0.298	0.502	-66.488
4231_4232	4231	4232	-84.573	21.745	0.012	0.298	-0.351	-72.858
4232_4232	4232	4232	84.521	21.456	0.012	-0.031	0.351	73.061
4232_4233	4232	4233	-81.522	-0.343	-0.012	0.031	-0.5	54.068
4233_4233	4233	4233	81.793	0.342	0.012	0.023	0.511	-54.399
4233_4234	4233	4234	-78.783	20.822	-0.012	-0.023	-0.656	-72.08
4234_4234	4234	4234	78.796	19.355	-0.053	0.06	0.656	72.114
4234_4235	4234	4235	-62.971	-0.341	0.053	-0.06	-0.081	14.406
4235_4235	4235	4235	61.572	1.138	-0.284	-0.079	2.26	-12.166
4235_4236	4235	4236	-66.865	17.451	0.284	0.079	0.562	-62.751
4236_4236	4236	4236	66.741	17.386	0.202	-0.004	-0.562	62.846

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4236_4237	4236	4237	-66.772	1.447	-0.202	0.004	-1.473	16.538
4237_4237	4237	4237	66.773	-1.447	0.203	-0.01	1.473	-16.538
4237_4238	4237	4238	-66.806	21.425	-0.203	0.01	-3.635	-106.282
4238_4238	4238	4238	67.12	23.807	-0.176	0.129	3.635	106.329
4238_4239	4238	4239	-67.718	-0.191	0.176	-0.129	-1.41	46.831
4239_4239	4239	4239	67.887	0.191	-0.173	-0.146	1.403	-47.022
4239_4240	4239	4240	-68.464	22.065	0.173	0.146	0.648	-81.229
4240_4240	4240	4240	68.273	20.467	-0.053	0	-0.648	81.199
4240_4241	4240	4241	-67.014	-2.366	0.053	0	1.163	27.302
4241_4241	4241	4241	67.014	2.366	-0.053	0.001	-1.163	-27.302
4241_4242	4241	4242	-65.717	16.26	0.053	-0.001	1.693	-43.703
4242_4242	4242	4242	65.757	18.023	-0.065	-0.007	-1.693	43.793
4242_4243	4242	4243	-65.083	0.791	0.065	0.007	2.341	42.027
4243_4243	4243	4243	65.083	-0.791	-0.065	0.017	-2.341	-42.027
4243_4244	4243	4244	-64.439	18.741	0.065	-0.017	2.963	-52.297
4244_4244	4244	4244	64.418	18.701	0.047	0.129	-2.963	52.17
4244_4245	4244	4245	-63.953	-1.416	-0.047	-0.129	2.529	40.084
4245_4245	4245	4245	63.952	1.416	0.05	-0.103	-2.529	-40.085
4245_4246	4245	4246	-63.428	18.039	-0.05	0.103	2.01	-46.94
4246_4246	4246	4246	63.461	16.797	-0.102	0.007	-2.01	46.905
4246_4247	4246	4247	-62.748	2.227	0.102	-0.007	3.047	25.984
4247_4247	4247	4247	62.748	-2.227	-0.102	0.003	-3.047	-25.984
4247_4248	4247	4248	-62.085	19.935	0.102	-0.003	4.013	-79.843
4248_4248	4248	4248	62.179	21.59	0.348	0.257	-4.013	80.536
4248_4249	4248	4249	-62.943	3.449	-0.348	-0.257	-0.644	41.477
4249_4249	4249	4249	63.04	-3.449	0.353	-0.301	0.642	-41.567
4249_4250	4249	4250	-63.676	24.288	-0.353	0.301	-4.57	-112.159
4250_4250	4250	4250	63.773	22.569	-0.176	-0.004	4.57	112.368
4250_4251	4250	4251	-63.334	1.753	0.176	0.004	-2.288	22.298
4251_4251	4251	4251	63.334	-1.753	-0.176	0.005	2.288	-22.298
4251_4252	4251	4252	-63.042	17.922	0.176	-0.005	-0.771	-62.992
4252_4252	4252	4252	63.045	17.325	-0.037	-0.029	0.771	62.962
4252_4253	4252	4253	-51.413	4.55	0.037	0.029	-0.342	-2.302
4253_4253	4253	4253	51.409	-4.55	-0.036	0.039	0.342	2.301
4253_4254	4253	4254	-41.513	23.161	0.036	-0.039	0.011	-151.885
4254_4254	4254	4254	99.141	20.433	-0.011	-0.017	0.374	58.036
4254_4255	4254	4255	-122.284	4.48	0.011	0.017	-0.235	71.488
4255_4255	4255	4255	122.381	-4.477	-0.011	0.032	0.235	-71.65
4255_4256	4255	4256	-144.227	27.976	0.011	-0.032	-0.102	-93.952
4256_4256	4256	4256	144.249	24.002	0.016	0.297	0.102	94.189
4256_4257	4256	4257	-144.008	-1.578	-0.016	-0.297	-0.288	50.718
4257_4257	4257	4257	144.01	1.578	0.016	-0.27	0.288	-50.714
4257_4258	4257	4258	-143.761	21.565	-0.016	0.27	-0.478	-66.541
4258_4258	4258	4258	143.761	21.896	0.006	0.039	0.478	66.563
4258_4259	4258	4259	-148.991	1.102	-0.006	-0.039	-0.547	60.902
4259_4259	4259	4259	148.992	-1.102	0.006	-0.026	0.547	-60.901
4259_4260	4259	4260	-154.123	23.663	-0.006	0.026	-0.613	-74.114
4260_4260	4260	4260	154.129	21.556	0	0.456	0.613	74.061
4260_4261	4260	4261	-158.469	1.305	0	-0.456	-0.612	48.333
4261_4261	4261	4261	158.473	-1.305	0	-0.458	0.612	-48.326
4261_4262	4261	4262	-162.778	23.982	0	0.458	-0.608	-91.536
4262_4262	4262	4262	162.824	22.025	0.025	-0.015	0.608	91.667
4262_4263	4262	4263	-167.839	3.067	-0.025	0.015	-0.921	34.524

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4263_4263	4263	4263	167.839	-3.067	0.025	-0.012	0.921	-34.524
4263_4264	4263	4264	-172.378	25.784	-0.025	0.012	-1.204	-126.007
4264_4264	4264	4264	172.544	25.872	-0.052	0.094	1.213	125.715
4264_4265	4264	4265	-155.122	-0.547	0.052	-0.094	-0.552	22.992
4265_4265	4265	4265	155.113	0.547	-0.052	-0.145	0.552	-22.986
4265_4266	4265	4266	-138.999	22.876	0.052	0.145	0.061	-128.362
4266_4266	4266	4266	139.178	25.232	0.09	-0.019	-0.061	128.281
4266_4267	4266	4267	-122.127	-4.668	-0.09	0.019	-0.872	5.567
4267_4267	4267	4267	122.128	4.668	0.09	-0.021	0.872	-5.567
4267_4268	4267	4268	-107.2	13.335	-0.09	0.021	-1.689	-52.919
4268_4268	4268	4268	63.139	21.365	-0.192	-0.018	2.525	124.8
4268_4269	4268	4269	-79.571	5.392	0.192	0.018	0.039	0.249
4269_4269	4269	4269	79.573	-5.392	-0.193	-0.019	-0.039	-0.257
4269_4270	4269	4270	-92.645	26.678	0.193	0.019	2.081	-154.94
4270_4270	4270	4270	92.571	34.802	0.086	-0.015	-2.082	154.558
4270_4271	4270	4271	-51.034	-7.158	-0.086	0.015	0.896	89.747
4271_4271	4271	4271	51.034	7.158	0.086	-0.002	-0.896	-89.747
4271_4272	4271	4272	-19.629	13.743	-0.086	0.002	0	21.784
4372_4372	4372	4372	17.802	10.254	-0.255	0.012	0	-23.726
4372_4373	4372	4373	-51.108	8.238	0.255	-0.012	3.156	72.823
4373_4373	4373	4373	51.107	-8.238	-0.255	-0.02	-3.156	-72.823
4373_4374	4373	4374	-82.993	25.942	0.255	0.02	6.177	-94.608
4374_4374	4374	4374	83.004	19.298	0.45	0.008	-6.177	94.338
4374_4375	4374	4375	-73.049	-1.899	-0.45	-0.008	0.934	18.032
4375_4375	4375	4375	73.049	1.899	0.45	-0.002	-0.934	-18.032
4375_4376	4375	4376	-64.25	13.481	-0.45	0.002	-3.701	-51.337
4376_4376	4376	4376	64.264	15.769	-0.201	0.165	3.701	51.559
4376_4377	4376	4377	-65.672	1.175	0.201	-0.165	-1.423	32.401
4377_4377	4377	4377	65.664	-1.175	-0.201	-0.175	1.423	-32.403
4377_4378	4377	4378	-67.044	17.778	0.201	0.175	0.807	-71.72
4378_4378	4378	4378	66.933	17.481	0.107	-0.008	-0.807	71.678
4378_4379	4378	4379	-66.875	0.151	-0.107	0.008	-0.459	30.541
4379_4379	4379	4379	67.026	-0.151	0.107	0.001	0.455	-30.733
4379_4380	4379	4380	-66.966	18.422	-0.107	-0.001	-1.767	-82.846
4380_4380	4380	4380	66.954	16.048	-0.169	-0.012	1.767	82.933
4380_4381	4380	4381	-67.779	0.227	0.169	0.012	0.078	3.9
4381_4381	4381	4381	67.774	-0.227	-0.168	-0.013	-0.078	-3.9
4381_4382	4381	4382	-68.513	14.817	0.168	0.013	1.721	-68.953
4382_4382	4382	4382	68.52	18.103	0.075	-0.002	-1.721	68.756
4382_4383	4382	4383	-59.611	-0.675	-0.075	0.002	0.843	30.294
4383_4383	4383	4383	59.611	0.675	0.075	-0.013	-0.843	-30.294
4383_4384	4383	4384	-50.685	16.786	-0.075	0.013	-0.038	-74.337
4384_4384	4384	4384	71.744	17.664	-0.021	0.016	0.356	40.124
4384_4385	4384	4385	-61.08	0.864	0.021	-0.016	-0.087	51.843
4385_4385	4385	4385	61.175	-0.865	-0.021	-0.008	0.089	-51.953
4385_4386	4385	4386	-52.452	15.998	0.021	0.008	0.128	-44.849
4386_4386	4386	4386	52.445	18.167	0.004	0.28	-0.128	45.16
4386_4387	4386	4387	-55.6	-0.459	-0.004	-0.28	0.078	70.372
4387_4387	4387	4387	55.593	0.459	0.005	-0.248	-0.078	-70.375
4387_4388	4387	4388	-58.828	17.695	-0.005	0.248	0.013	-30.875
4388_4388	4388	4388	58.818	18.263	0.002	0.013	-0.013	31.369
4388_4389	4388	4389	-58.94	0.607	-0.002	-0.013	-0.016	81.422
4389_4389	4389	4389	58.94	-0.607	0.002	0.028	0.016	-81.422

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4389_4390	4389	4390	-59.049	17.604	-0.002	-0.028	-0.042	-22.692
4390_4390	4390	4390	59.053	17.986	0.014	0.321	0.042	22.619
4390_4391	4390	4391	-60.033	1.522	-0.014	-0.321	-0.232	87.108
4391_4391	4391	4391	60.03	-1.522	0.015	-0.33	0.232	-87.11
4391_4392	4391	4392	-60.852	17.878	-0.015	0.33	-0.402	-18.822
4392_4392	4392	4392	60.854	17.501	-0.04	0.041	0.402	18.858
4392_4393	4392	4393	-62.182	0.871	0.04	-0.041	0.089	85.856
4393_4393	4393	4393	62.182	-0.871	-0.04	0.011	-0.089	-85.856
4393_4394	4393	4394	-63.446	18.358	0.04	-0.011	0.555	-26.07
4394_4394	4394	4394	63.462	18.306	0.153	0.425	-0.555	25.858
4394_4395	4394	4395	-63.232	-0.725	-0.153	-0.425	-1.257	86.86
4395_4395	4395	4395	63.238	0.725	0.154	-0.359	1.257	-86.863
4395_4396	4395	4396	-62.999	17.544	-0.154	0.359	-3.153	-17.009
4396_4396	4396	4396	62.979	13.423	-0.526	0.01	3.153	17.37
4396_4397	4396	4397	-72.804	4.494	0.526	-0.01	3.21	47.368
4397_4397	4397	4397	72.805	-4.494	-0.526	0.029	-3.21	-47.368
4397_4398	4397	4398	-82.646	22.44	0.526	-0.029	9.585	-104.951
4398_4398	4398	4398	82.689	29.006	0.318	0.248	-9.585	104.7
4398_4399	4398	4399	-55.621	-10.242	-0.318	-0.248	5.559	113.512
4399_4399	4399	4399	55.624	10.242	0.318	-0.1	-5.559	-113.512
4399_4400	4399	4400	-28.642	8.462	-0.318	0.1	1.542	94.561
4400_4400	4400	4400	28.643	-8.462	0.318	-0.166	-1.542	-94.56
4400_4401	4400	4401	-18.286	15.641	-0.318	0.166	0	24.586
4572_4572	4572	4572	17.839	10.337	-0.14	0.01	0	-23.897
4572_4573	4572	4573	-51.095	8.163	0.14	-0.01	1.732	73.928
4573_4573	4573	4573	51.095	-8.163	-0.14	-0.013	-1.732	-73.928
4573_4574	4573	4574	-82.686	25.737	0.14	0.013	3.377	-90.698
4574_4574	4574	4574	82.697	18.814	0.079	0.005	-3.377	90.815
4574_4575	4574	4575	-73.024	-1.697	-0.079	-0.005	2.475	15.941
4575_4575	4575	4575	73.024	1.697	0.079	-0.001	-2.475	-15.941
4575_4576	4575	4576	-64.424	13.521	-0.079	0.001	1.673	-53.815
4576_4576	4576	4576	64.42	16	0.208	0.183	-1.673	53.898
4576_4577	4576	4577	-65.569	0.994	-0.208	-0.183	-0.692	32.449
4577_4577	4577	4577	65.567	-0.994	0.208	-0.181	0.692	-32.451
4577_4578	4577	4578	-66.708	17.878	-0.208	0.181	-3.046	-73.177
4578_4578	4578	4578	66.828	17.323	-0.112	-0.017	3.046	73.188
4578_4579	4578	4579	-67.325	0.013	0.112	0.017	-1.748	27.738
4579_4579	4579	4579	67.476	-0.013	-0.112	-0.001	1.745	-27.931
4579_4580	4579	4580	-68.006	18.459	0.112	0.001	-0.366	-85.55
4580_4580	4580	4580	67.993	16.43	-0.071	-0.011	0.366	85.574
4580_4581	4580	4581	-67.308	-0.208	0.071	0.011	0.406	3.88
4581_4581	4581	4581	67.304	0.208	-0.071	-0.01	-0.406	-3.881
4581_4582	4581	4582	-66.689	14.338	0.071	0.01	1.101	-65.681
4582_4582	4582	4582	66.694	18.033	0.032	0.009	-1.101	65.808
4582_4583	4582	4583	-59.194	-0.918	-0.032	-0.009	0.734	33.803
4583_4583	4583	4583	59.193	0.918	0.032	-0.012	-0.734	-33.804
4583_4584	4583	4584	-51.477	16.691	-0.032	0.012	0.356	-68.327
4584_4584	4584	4584	71.247	17.535	0.003	0.012	-0.11	36.404
4584_4585	4584	4585	-61.002	0.849	-0.003	-0.012	0.073	54.494
4585_4585	4585	4585	61.097	-0.85	0.003	0.006	-0.07	-54.604
4585_4586	4585	4586	-52.624	16.033	-0.003	-0.006	0.038	-42.319
4586_4586	4586	4586	52.618	18.1	0.004	0.239	-0.038	41.971
4586_4587	4586	4587	-55.547	-0.608	-0.004	-0.239	-0.007	72.315

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4587_4587	4587	4587	55.543	0.608	0.003	-0.197	0.007	-72.317
4587_4588	4587	4588	-58.601	17.657	-0.003	0.197	-0.048	-28.725
4588_4588	4588	4588	58.6	18.114	0	-0.024	0.048	28.345
4588_4589	4588	4589	-59.116	0.582	0	0.024	-0.045	83.074
4589_4589	4589	4589	59.116	-0.582	0	0.071	0.045	-83.074
4589_4590	4589	4590	-59.587	17.629	0	-0.071	-0.043	-20.946
4590_4590	4590	4590	59.585	17.892	0.005	0.31	0.043	21.098
4590_4591	4590	4591	-60.659	1.504	-0.005	-0.31	-0.107	87.582
4591_4591	4591	4591	60.656	-1.504	0.005	-0.313	0.107	-87.584
4591_4592	4591	4592	-61.561	17.867	-0.005	0.313	-0.157	-18.171
4592_4592	4592	4592	61.565	17.467	0.016	-0.006	0.157	18.213
4592_4593	4592	4593	-63.097	0.653	-0.016	0.006	-0.347	86.469
4593_4593	4593	4593	63.097	-0.653	0.016	0.057	0.347	-86.469
4593_4594	4593	4594	-64.588	18.281	-0.016	-0.057	-0.533	-24.328
4594_4594	4594	4594	64.598	17.902	-0.057	0.344	0.533	23.856
4594_4595	4594	4595	-64.193	-0.31	0.057	-0.344	0.138	83.876
4595_4595	4595	4595	64.195	0.31	-0.057	-0.291	-0.138	-83.878
4595_4596	4595	4596	-63.777	17.841	0.057	0.291	0.836	-23.88
4596_4596	4596	4596	63.777	14.526	0.246	-0.005	-0.836	23.772
4596_4597	4596	4597	-73.442	3.37	-0.246	0.005	-2.138	54.184
4597_4597	4597	4597	73.442	-3.37	0.246	0.045	2.138	-54.184
4597_4598	4597	4598	-83.078	21.215	-0.246	-0.045	-5.105	-83.297
4598_4598	4598	4598	83.066	26.563	-0.191	0.166	5.105	83.445
4598_4599	4598	4599	-52.606	-7.838	0.191	-0.166	-2.697	99.959
4599_4599	4599	4599	52.606	7.838	-0.191	-0.102	2.697	-99.96
4599_4600	4599	4600	-22.296	10.794	0.191	0.102	-0.299	47.59
4600_4600	4600	4600	22.296	-10.794	-0.191	-0.142	0.299	-47.589
4600_4601	4600	4601	-18.518	13.117	0.191	0.142	0	24.64
5000_5000	5000	5000	67.749	457.575	0.715	4.767	0	-315.56
5000_5001	5000	5001	-62.932	-420.475	-0.715	-4.767	-9.102	5879.472
5001_5001	5001	5001	62.936	420.475	0.706	-2.612	9.102	-5879.48
5001_5002	5001	5002	-59.193	-391.647	-0.706	2.612	-16.086	9876.88
5002_5002	5002	5002	59.166	340.687	-0.613	11.139	16.086	-9876.99
5002_5003	5002	5003	-56.528	-305.273	0.613	-11.139	-8.647	13788.09
5003_5003	5003	5003	56.524	305.273	-0.623	-9.243	8.647	-13788.1
5003_5004	5003	5004	-53.89	-269.896	0.623	9.243	-1.091	17265.73
5004_5004	5004	5004	53.905	224.701	0.707	9.274	1.091	-17266
5004_5005	5004	5005	-50.937	-189.302	-0.707	-9.274	-9.677	19765.94
5005_5005	5005	5005	50.938	189.302	0.701	-8.504	9.677	-19765.9
5005_5006	5005	5006	-47.968	-153.878	-0.701	8.504	-18.193	21837.46
5006_5006	5006	5006	47.965	105.17	-0.172	18.338	18.193	-21837.7
5006_5007	5006	5007	-45.455	-69.778	0.172	-18.338	-16.103	22888.57
5007_5007	5007	5007	45.454	69.778	-0.183	-18.243	16.103	-22888.6
5007_5008	5007	5008	-42.945	-34.394	0.183	18.243	-13.881	23509.8
5008_5008	5008	5008	42.949	-12.618	0.697	18.15	13.881	-23510.1
5008_5009	5008	5009	-40.782	48.027	-0.697	-18.15	-22.349	23132.64
5009_5009	5009	5009	40.783	-48.027	0.686	-18.764	22.349	-23132.6
5009_5010	5009	5010	-38.617	83.43	-0.686	18.764	-30.682	22325.42
5010_5010	5010	5010	38.617	-130.617	-0.089	-0.623	30.682	-22325.8
5010_5011	5010	5011	-36.89	166.013	0.089	0.623	-29.6	20518.32
5011_5011	5011	5011	36.89	-166.013	-0.089	-0.623	29.6	-20518.3
5011_5012	5011	5012	-35.163	201.408	0.089	0.623	-28.517	18281.19
5012_5012	5012	5012	35.163	-247.787	0.115	4.337	28.517	-18281.5

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5012_5013	5012	5013	-34.393	283.201	-0.115	-4.337	-29.908	15054.42
5013_5013	5013	5013	34.393	-283.201	0.11	-6.086	29.908	-15054.4
5013_5014	5013	5014	-33.624	318.583	-0.11	6.086	-31.239	11400.79
5014_5014	5014	5014	33.63	-364.514	0.793	1.445	31.239	-11400.9
5014_5015	5014	5015	-31.715	411.604	-0.793	-1.445	-44.043	5126.377
5015_5015	5015	5015	30.612	-410.478	0.73	-2.646	43.289	-5078.35
5015_5016	5015	5016	-31.088	432.962	-0.73	2.649	-49.312	1592.765
5016_5016	5016	5016	64.294	-478.285	-0.348	-1.747	56.243	-1704.94
5016_5017	5016	5017	-67.183	510.368	0.348	1.742	-52.155	-4097.54
5017_5017	5017	5017	82.004	-508.064	-0.355	0.662	52.321	4094.684
5017_5018	5017	5018	-86.838	546.96	0.355	-0.67	-47.608	-11093.4
5018_5018	5018	5018	106.153	-588.137	0.007	-8.871	46.875	11093.74
5018_5019	5018	5019	-112.123	626.593	-0.007	8.876	-46.965	-18692.5
5019_5019	5019	5019	129.283	-623.214	0	8.132	48.845	18693.32
5019_5020	5019	5020	-136.283	664.202	0	-8.127	-48.843	-26779.3
5020_5020	5020	5020	-2484.52	207.398	-15.19	-1.861	375.681	5682.869
5020_5021	5020	5021	2481.513	-180.836	15.19	1.861	-231.434	-3827.58
5021_5021	5021	5021	-2483.35	180.849	-14.772	-1.205	231.211	3836.588
5021_5022	5021	5022	2480.803	-161.263	14.772	1.205	-116.648	-2499.81
5022_5022	5022	5022	-2480.82	161.263	-11.905	1.814	116.648	2499.808
5022_5023	5022	5023	2478.274	-141.706	11.905	-1.814	-24.45	-1316.5
5023_5023	5023	5023	-2478.3	98.184	-6.182	0.149	24.45	1316.497
5023_5024	5023	5024	2476.214	-77.971	6.182	-0.149	25.033	-603.239
5024_5024	5024	5024	-2476.2	77.971	-9.629	-0.836	-25.033	603.238
5024_5025	5024	5025	2474.123	-57.781	9.629	0.836	102.017	-52.291
5025_5025	5025	5025	-2474.14	57.781	-3.068	-0.434	-102.017	52.293
5025_5026	5025	5026	2472.058	-37.57	3.068	0.434	126.568	337.527
5026_5026	5026	5026	-2472.06	-8.877	-2.449	-0.499	-126.568	-337.525
5026_5027	5026	5027	2470.987	24.034	2.449	0.499	141.265	242.997
5027_5027	5027	5027	-2470.99	-24.034	-2.881	-0.471	-141.265	-242.997
5027_5028	5027	5028	2469.913	39.166	2.881	0.471	158.526	57.876
5028_5028	5028	5028	-2469.91	-39.166	-2.449	-0.468	-158.526	-57.876
5028_5029	5028	5029	2468.839	54.323	2.449	0.468	173.223	-218.452
5029_5029	5029	5029	-2468.84	-54.323	1.706	0.011	-173.223	218.452
5029_5030	5029	5030	2467.766	69.478	-1.706	-0.011	162.987	-585.684
5030_5030	5030	5030	-2467.78	-115.643	1.127	-1.694	-162.987	585.66
5030_5031	5030	5031	2466.972	135.848	-1.127	1.694	153.971	-1588.65
5031_5031	5031	5031	-2466.97	-135.848	4.244	0.357	-153.971	1588.65
5031_5032	5031	5032	2466.165	156.051	-4.244	-0.357	120.021	-2753.15
5032_5032	5032	5032	-2466.17	-156.051	4.244	0.357	-120.021	2753.147
5032_5033	5032	5033	2465.361	176.253	-4.244	-0.357	86.07	-4079.27
5033_5033	5033	5033	-2465.31	-220.66	12.274	-2.721	-86.07	4079.38
5033_5034	5033	5034	2464.982	240.224	-12.274	2.721	-9.019	-5863.46
5034_5034	5034	5034	-2464.98	-240.224	12.274	-2.721	9.019	5863.462
5034_5035	5034	5035	2464.652	259.788	-12.274	2.721	-104.108	-7799.12
5035_5035	5035	5035	-2464.01	-259.791	14.797	5.161	104.012	7796.033
5035_5036	5035	5036	2463.614	286.293	-14.797	-5.161	-244.207	-10381.6
5036_5036	5036	5036	148.767	550.218	0.791	-30.675	-0.394	32834.13
5036_5037	5036	5037	-144.829	-509.121	-0.791	30.67	-9.581	-26164.1
5037_5037	5037	5037	130.831	512.602	0.711	27.664	3.514	26163.29
5037_5038	5037	5038	-128.745	-474.052	-0.711	-27.67	-12.442	-19974.8
5038_5038	5038	5038	112.999	437.846	-0.31	-5.356	15.208	19975.22
5038_5039	5038	5039	-112.766	-398.964	0.31	5.364	-11.087	-14421.3

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5039_5039	5039	5039	637.522	394.564	-0.463	4.678	12.177	11543.5
5039_5040	5039	5040	-646.967	-362.605	0.463	-4.677	-6.733	-7168.74
5040_5040	5040	5040	638.832	318.782	0.166	0.626	6.915	7170.034
5040_5041	5040	5041	-622.911	-296.766	-0.166	-0.629	-8.282	-4735.21
5041_5041	5041	5041	706.385	299.517	0.053	-0.279	8.323	4311.772
5041_5042	5041	5042	-638.973	-261.884	-0.053	0.279	-9.16	-206.528
5042_5042	5042	5042	638.977	214.265	0.002	0.01	9.16	206.548
5042_5043	5042	5043	-589.55	-185.721	-0.002	-0.01	-9.188	1952.99
5043_5043	5043	5043	589.55	185.721	0.002	0.01	9.188	-1952.99
5043_5044	5043	5044	-540.122	-157.177	-0.002	-0.01	-9.216	3772.106
5044_5044	5044	5044	540.134	112.3	-0.052	-0.259	9.216	-3772.16
5044_5045	5044	5045	-490.502	-83.738	0.052	0.259	-8.59	4715.306
5045_5045	5045	5045	490.502	83.738	-0.049	0.335	8.59	-4715.31
5045_5046	5045	5046	-440.913	-55.2	0.049	-0.335	-8.011	5317.247
5046_5046	5046	5046	440.918	9.926	0.159	6.168	8.011	-5317.32
5046_5047	5046	5047	-391.268	18.632	-0.159	-6.168	-9.911	5038.79
5047_5047	5047	5047	391.268	-18.632	0.072	-6.033	9.911	-5038.79
5047_5048	5047	5048	-341.667	47.161	-0.072	6.033	-10.767	4420.287
5048_5048	5048	5048	341.667	-92.066	-0.165	3.861	10.767	-4420.34
5048_5049	5048	5049	-292.194	120.618	0.165	-3.861	-8.797	2925.913
5049_5049	5049	5049	292.194	-120.618	-0.256	-3.672	8.797	-2925.91
5049_5050	5049	5050	-242.728	149.165	0.256	3.672	-5.739	1091.15
5050_5050	5050	5050	242.73	-193.359	0.404	-0.695	5.739	-1091.18
5050_5051	5050	5051	-177.001	230.956	-0.404	0.695	-12.091	-2541.37
5051_5051	5051	5051	176.056	-229.127	0.332	2.244	12.087	2559.827
5051_5052	5051	5052	-143.66	249.541	-0.332	-2.243	-14.829	-4685.32
5052_5052	5052	5052	150.723	-291.959	0.001	-6.114	14.61	4686.057
5052_5053	5052	5053	-110.942	321.407	-0.001	6.118	-14.619	-8495.03
5053_5053	5053	5053	103.558	-318.566	-0.08	10.599	22.037	8584.328
5053_5054	5053	5054	-81.7	356.264	0.08	-10.589	-20.98	-13219.3
5054_5054	5054	5054	95.566	-393.36	-0.203	-15.185	19.006	13221.42
5054_5055	5054	5055	-88.617	430.548	0.203	15.186	-16.454	-18508.2
5055_5055	5055	5055	100.7	-426.354	-0.289	16.617	19.832	18511.29
5055_5056	5055	5056	-103.992	465.707	0.289	-16.614	-16.188	-24208.9
5056_5056	5056	5056	-2031.12	264.773	-10.106	0.202	217.84	7511.723
5056_5057	5056	5057	2037.614	-239.04	10.106	-0.202	-121.9	-5151.25
5057_5057	5057	5057	-2039.26	239.04	-11.039	-1.884	122.787	5120.422
5057_5058	5057	5058	2044.609	-218.496	11.039	1.884	-37.238	-3373.05
5058_5058	5058	5058	-2044.62	218.496	-8.178	3.24	37.238	3373.041
5058_5059	5058	5059	2049.966	-197.954	8.178	-3.24	26.13	-1785.01
5059_5059	5059	5059	-2049.97	156.151	-8.343	-1.796	-26.13	1785.012
5059_5060	5059	5060	2055.905	-134.918	8.343	1.796	92.954	-647.286
5060_5060	5060	5060	-2055.92	134.918	-2.992	1.566	-92.954	647.283
5060_5061	5060	5061	2061.849	-113.714	2.992	-1.566	116.886	319.119
5061_5061	5061	5061	-2061.85	113.714	-2.992	1.566	-116.886	-319.119
5061_5062	5061	5062	2067.78	-92.511	2.992	-1.566	140.817	1115.932
5062_5062	5062	5062	-2067.78	48.748	-1.457	0.827	-140.817	-1115.89
5062_5063	5062	5063	2072.703	-32.833	1.457	-0.827	149.567	1337.932
5063_5063	5063	5063	-2072.7	32.833	-1.705	0.87	-149.567	-1337.93
5063_5064	5063	5064	2077.614	-16.944	1.705	-0.87	159.783	1464.301
5064_5064	5064	5064	-2077.61	16.944	2.238	0.07	-159.783	-1464.3
5064_5065	5064	5065	2082.531	-1.031	-2.238	-0.07	146.351	1495.422
5065_5065	5065	5065	-2082.53	1.031	2.238	0.07	-146.351	-1495.42

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5065_5066	5065	5066	2087.449	14.882	-2.238	-0.07	132.919	1431.019
5066_5066	5066	5066	-2087.45	-58.904	4.226	-0.067	-132.919	-1430.92
5066_5067	5066	5067	2094.517	80.103	-4.226	0.067	99.126	842.691
5067_5067	5067	5067	-2094.52	-80.103	4.226	-0.067	-99.126	-842.691
5067_5068	5067	5068	2101.582	101.301	-4.226	0.067	65.333	84.96
5068_5068	5068	5068	-2101.57	-101.301	7.174	1.532	-65.333	-84.962
5068_5069	5068	5069	2108.648	122.524	-7.174	-1.532	7.897	-843.459
5069_5069	5069	5069	-2108.63	-163.582	9.216	-4.431	-7.897	843.532
5069_5070	5069	5070	2116.012	184.114	-9.216	4.431	-63.481	-2223.64
5070_5070	5070	5070	-2116	-184.114	12.255	0.595	63.481	2223.638
5070_5071	5070	5071	2123.386	204.671	-12.255	-0.595	-158.51	-3764.72
5071_5071	5071	5071	-2120.17	-204.666	13.587	4.014	160.047	3789.515
5071_5072	5071	5072	2129.029	230.408	-13.587	-4.014	-289.086	-5896.06
5072_5072	5072	5072	63.652	501.71	0.117	-14.934	21.68	22242.3
5072_5073	5072	5073	-32.648	-462.738	-0.117	14.939	-23.151	-16232.6
5073_5073	5073	5073	19.744	467.006	0.028	15.749	19.864	16230.66
5073_5074	5073	5074	10.415	-430.283	-0.028	-15.745	-20.22	-10644.4
5074_5074	5074	5074	-24.937	396.182	0.478	0.26	21.594	10643.58
5074_5075	5074	5075	48.811	-358.9	-0.478	-0.241	-27.944	-5645.58
5075_5075	5075	5075	444.643	355.718	-0.181	0.566	16.561	2938.687
5075_5076	5075	5076	-450.952	-327.272	0.181	-0.569	-14.429	1042.577
5076_5076	5076	5076	443.496	286.969	-0.06	4.666	14.386	-1041.84
5076_5077	5076	5077	-436.006	-267.29	0.06	-4.666	-13.887	3279.478
5077_5077	5077	5077	403.13	269.989	-0.128	-3.748	15.642	-3250.35
5077_5078	5077	5078	-378.819	-233.93	0.128	3.748	-13.811	6726.505
5078_5078	5078	5078	378.82	193.45	-0.062	10.193	13.811	-6726.62
5078_5079	5078	5079	-360.228	-165.091	0.062	-10.193	-13.112	8648.006
5079_5079	5079	5079	360.228	165.091	-0.155	-9.665	13.112	-8648.01
5079_5080	5079	5080	-341.638	-136.736	0.155	9.665	-11.374	10251.22
5080_5080	5080	5080	341.643	97.07	0.073	11.926	11.374	-10251.3
5080_5081	5080	5081	-323.4	-68.714	-0.073	-11.926	-12.195	11093.22
5081_5081	5081	5081	323.4	68.714	-0.019	-11.467	12.195	-11093.2
5081_5082	5081	5082	-305.159	-40.361	0.019	11.467	-11.977	11617.11
5082_5082	5082	5082	305.167	-0.802	-0.111	0.372	11.977	-11617.3
5082_5083	5082	5083	-286.088	31.254	0.111	-0.372	-10.64	11332.43
5083_5083	5083	5083	286.088	-31.254	-0.113	-0.125	10.64	-11332.4
5083_5084	5083	5084	-266.993	61.731	0.113	0.125	-9.278	10680.11
5084_5084	5084	5084	266.995	-102.886	-0.103	9.283	9.278	-10680.3
5084_5085	5084	5085	-249.596	131.235	0.103	-9.283	-8.12	9283.902
5085_5085	5085	5085	249.595	-131.235	-0.196	-9.222	8.12	-9283.9
5085_5086	5085	5086	-232.197	159.581	0.196	9.222	-5.923	7569.863
5086_5086	5086	5086	232.195	-198.958	-0.038	5.254	5.923	-7569.92
5086_5087	5086	5087	-215.29	227.305	0.038	-5.254	-5.501	5098.851
5087_5087	5087	5087	215.289	-227.305	-0.132	-5.213	5.501	-5098.85
5087_5088	5087	5088	-198.37	255.674	0.132	5.213	-4.018	2307.609
5088_5088	5088	5088	198.378	-293.816	0.216	-1.102	4.018	-2307.63
5088_5089	5088	5089	-177.444	328.511	-0.216	1.102	-6.977	-2063.12
5089_5089	5089	5089	180.286	-326.636	0.149	1.223	6.939	2119.56
5089_5090	5089	5090	-167.783	347.441	-0.149	-1.223	-8.172	-4956.82
5090_5090	5090	5090	176.685	-386.606	-0.231	-11.104	7.798	4957.33
5090_5091	5090	5091	-161.506	416.575	0.231	11.101	-5.082	-9757.34
5091_5091	5091	5091	157.998	-412.555	-0.355	9.453	9.663	9840.626
5091_5092	5091	5092	-149.618	449.565	0.355	-9.455	-4.952	-15628

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5092_5092	5092	5092	165.95	-485.663	-0.341	-9.417	3.544	15629.68
5092_5093	5092	5093	-164.3	522.237	0.341	9.412	0.729	-22001.3
5093_5093	5093	5093	178.731	-516.958	-0.385	9.619	1.237	22004.05
5093_5094	5093	5094	-182.046	555.789	0.385	-9.624	3.608	-28793.7
5094_5094	5094	5094	-2277.98	235.409	-6.701	-3.355	84.486	8061.39
5094_5095	5094	5095	2280.278	-210.118	6.701	3.355	-20.861	-5957.48
5095_5095	5095	5095	-2281.84	210.12	-5.693	-0.765	20.245	5965.079
5095_5096	5095	5096	2283.621	-190.06	5.693	0.765	23.902	-4422.27
5096_5096	5096	5096	-2283.63	190.06	-2.679	5.298	-23.902	4422.27
5096_5097	5096	5097	2285.403	-170.026	2.679	-5.298	44.647	-3036.76
5097_5097	5097	5097	-2285.41	129.9	0.183	-0.827	-44.647	3036.721
5097_5098	5097	5098	2287.627	-109.193	-0.183	0.827	43.18	-2090.39
5098_5098	5098	5098	-2287.63	109.193	0.183	-0.827	-43.18	2090.39
5098_5099	5098	5099	2289.842	-88.487	-0.183	0.827	41.713	-1309.78
5099_5099	5099	5099	-2289.84	88.487	3.111	1.426	-41.713	1309.783
5099_5100	5099	5100	2292.053	-67.808	-3.111	-1.426	16.847	-695.585
5100_5100	5100	5100	-2292.05	25.298	3.631	2.022	-16.847	695.585
5100_5101	5100	5101	2294.12	-9.769	-3.631	-2.022	-4.949	-599.816
5101_5101	5101	5101	-2294.11	9.769	7.651	4.052	4.949	599.812
5101_5102	5101	5102	2296.177	5.759	-7.651	-4.052	-50.87	-597.252
5102_5102	5102	5102	-2296.18	-5.759	-8.425	-4.269	50.87	597.254
5102_5103	5102	5103	2298.243	21.29	8.425	4.269	-0.293	-687.923
5103_5103	5103	5103	-2298.25	-21.29	-4.534	-2.057	0.293	687.927
5103_5104	5103	5104	2300.316	36.795	4.534	2.057	26.879	-871.44
5104_5104	5104	5104	-2300.32	-79.576	-2.992	-1.973	-26.879	871.446
5104_5105	5104	5105	2303.598	100.283	2.992	1.973	50.827	-1605.95
5105_5105	5105	5105	-2303.6	-100.283	-0.069	0.897	-50.827	1605.95
5105_5106	5105	5106	2306.876	120.963	0.069	-0.897	51.375	-2504.93
5106_5106	5106	5106	-2306.88	-120.963	0.022	1.021	-51.375	2504.925
5106_5107	5106	5107	2310.156	141.669	-0.022	-1.021	51.199	-3570.65
5107_5107	5107	5107	-2310.15	-181.648	4.294	-3.22	-51.199	3570.7
5107_5108	5107	5108	2313.773	201.706	-4.294	3.22	17.909	-5072.86
5108_5108	5108	5108	-2313.77	-201.706	4.205	-3.439	-17.909	5072.863
5108_5109	5108	5109	2317.393	221.739	-4.205	3.439	-14.654	-6728.3
5109_5109	5109	5109	-2318	-221.748	6.747	4.681	14.239	6731.318
5109_5110	5109	5110	2322.623	247.062	-6.747	-4.681	-78.355	-8979.48
5110_5110	5110	5110	154.217	538.068	0.011	-20.238	8.791	29837.53
5110_5111	5110	5111	-137.925	-499.404	-0.011	20.239	-8.927	-23338.8
5111_5111	5111	5111	124.061	504.465	-0.073	19.525	4.784	23336.87
5111_5112	5111	5112	-108.241	-468.095	0.073	-19.525	-3.866	-17263.9
5112_5112	5112	5112	92.811	437.022	0.117	-3.203	5.795	17263.13
5112_5113	5112	5113	-79.75	-400.18	-0.117	3.203	-7.355	-11718.7
5113_5113	5113	5113	510.569	398.891	-0.15	4.091	13.82	9343.26
5113_5114	5113	5114	-515.709	-369.1	0.15	-4.096	-12.051	-4879.91
5114_5114	5114	5114	507.412	330.53	-0.017	0.676	12.157	4880.85
5114_5115	5114	5115	-495.683	-309.963	0.017	-0.679	-12.014	-2311.45
5115_5115	5115	5115	550.801	312.613	-0.05	-0.036	11.87	1867.432
5115_5116	5115	5116	-507.591	-279.079	0.05	0.036	-11.161	2142.72
5116_5116	5116	5116	507.591	238.197	-0.247	3.731	11.161	-2142.72
5116_5117	5116	5117	-475.308	-211.799	0.247	-3.731	-8.396	4513.359
5117_5117	5117	5117	475.308	211.799	-0.29	-3.521	8.396	-4513.36
5117_5118	5117	5118	-443.026	-185.402	0.29	3.521	-5.143	6587.994
5118_5118	5118	5118	443.026	146.516	0.007	4.898	5.143	-6588

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5118_5119	5118	5119	-411.351	-120.12	-0.007	-4.898	-5.222	7933.258
5119_5119	5119	5119	411.351	120.12	-0.036	-4.773	5.222	-7933.26
5119_5120	5119	5120	-379.677	-93.724	0.036	4.773	-4.814	8982.557
5120_5120	5120	5120	379.677	53.307	-0.154	14.275	4.814	-8982.55
5120_5121	5120	5121	-346.566	-24.933	0.154	-14.275	-2.957	9297.457
5121_5121	5121	5121	346.565	24.933	-0.275	-14.186	2.957	-9297.46
5121_5122	5121	5122	-313.482	3.416	0.275	14.186	0.351	9270.591
5122_5122	5122	5122	313.482	-43.101	-0.111	4.448	-0.351	-9270.6
5122_5123	5122	5123	-283.357	69.496	0.111	-4.448	1.592	8496.725
5123_5123	5123	5123	283.357	-69.496	-0.154	-4.441	-1.592	-8496.73
5123_5124	5123	5124	-253.233	95.89	0.154	4.441	3.32	7426.962
5124_5124	5124	5124	253.226	-133.986	0.001	5.701	-3.32	-7426.93
5124_5125	5124	5125	-223.621	160.381	-0.001	-5.701	3.311	5636.448
5125_5125	5125	5125	223.62	-160.381	-0.086	-5.758	-3.311	-5636.45
5125_5126	5125	5126	-194.015	186.774	0.086	5.758	4.275	3550.105
5126_5126	5126	5126	194.008	-222.454	-0.492	-0.089	-4.275	-3550.1
5126_5127	5126	5127	-157.468	254.639	0.492	0.089	11.004	115.633
5127_5127	5127	5127	161.236	-252.811	-0.553	-0.043	-11.048	-73.858
5127_5128	5127	5128	-138.719	271.748	0.553	0.043	15.614	-2193.85
5128_5128	5128	5128	145.887	-305.364	1.307	-4.938	-15.782	2194.535
5128_5129	5128	5129	-119.349	332.676	-1.307	4.94	0.415	-6086.23
5129_5129	5129	5129	120.277	-328.087	1.127	9.073	-2.552	6133.592
5129_5130	5129	5130	-109.831	363.858	-1.127	-9.065	-12.411	-10829.3
5130_5130	5130	5130	123.613	-397.72	-3.439	-7.527	11.207	10831.52
5130_5131	5130	5131	-124.8	433.073	3.439	7.515	31.953	-16114.8
5131_5131	5131	5131	136.871	-427.665	-3.482	7.666	-30.464	16118.08
5131_5132	5131	5132	-144.815	465.219	3.482	-7.679	74.286	-21787.8
5132_5132	5132	5132	-1926.91	227.154	23.116	9.682	-285.838	5869.491
5132_5133	5132	5133	1929.142	-202.684	-23.116	-9.682	66.238	-3839.05
5133_5133	5133	5133	-1937.42	202.684	25.857	15.451	-66.09	3879.595
5133_5134	5133	5134	1939.594	-184.434	-25.857	-15.451	-134.305	-2390.46
5134_5134	5134	5134	-1939.75	184.434	-1.402	-23.319	134.305	2390.413
5134_5135	5134	5135	1941.931	-166.158	1.402	23.319	-123.426	-1040.99
5135_5135	5135	5135	-1941.91	118.209	-3.435	-0.702	123.426	1041.341
5135_5136	5135	5136	1943.736	-99.368	3.435	0.702	-95.948	-180.565
5136_5136	5136	5136	-1943.74	99.368	-0.791	0.413	95.948	180.565
5136_5137	5136	5137	1945.564	-80.528	0.791	-0.413	-89.621	529.468
5137_5137	5137	5137	-1945.56	80.528	-3.464	0.125	89.621	-529.468
5137_5138	5137	5138	1947.383	-61.711	3.464	-0.125	-61.939	1088.173
5138_5138	5138	5138	-1947.39	16.486	-3.312	0.172	61.939	-1088.29
5138_5139	5138	5139	1949.162	-2.355	3.312	-0.172	-42.068	1136.087
5139_5139	5139	5139	-1949.16	2.355	0.213	-0.324	42.068	-1136.09
5139_5140	5139	5140	1950.932	11.775	-0.213	0.324	-43.347	1099.094
5140_5140	5140	5140	-1950.93	-11.775	-3.312	0.05	43.347	-1099.09
5140_5141	5140	5141	1952.698	25.906	3.312	-0.05	-23.475	977.311
5141_5141	5141	5141	-1952.7	-25.906	0.213	-0.061	23.475	-977.312
5141_5142	5141	5142	1954.468	40.036	-0.213	0.061	-24.754	770.745
5142_5142	5142	5142	-1954.47	-84.439	-2.212	-0.049	24.754	-770.859
5142_5143	5142	5143	1957.235	103.279	2.212	0.049	-7.058	6.735
5143_5143	5143	5143	-1957.24	-103.279	-2.212	-0.049	7.058	-6.735
5143_5144	5143	5144	1960	122.12	2.212	0.049	10.638	-908.122
5144_5144	5144	5144	-1960	-122.12	-2.212	-0.049	-10.638	908.122
5144_5145	5144	5145	1962.766	140.961	2.212	0.049	28.334	-1973.71

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5145_5145	5145	5145	-1962.76	-181.624	-0.845	2.196	-28.334	1973.623
5145_5146	5145	5146	1965.957	199.876	0.845	-2.196	34.883	-3466.91
5146_5146	5146	5146	-1965.96	-199.876	-0.845	2.196	-34.883	3466.91
5146_5147	5146	5147	1969.152	218.127	0.845	-2.196	41.432	-5101.66
5147_5147	5147	5147	-1955.84	-218.122	-3.499	-5.613	-41.362	5036.709
5147_5148	5147	5148	1959.36	242.594	3.499	5.613	74.607	-7241.64
5148_5148	5148	5148	127.746	449.581	0.018	-8.807	-8.918	23493.7
5148_5149	5148	5149	-106.953	-412.182	-0.018	8.803	8.698	-18089.9
5149_5149	5149	5149	95.393	417.574	-0.022	8.131	-10.453	18087.41
5149_5150	5149	5150	-76.211	-382.417	0.022	-8.135	10.728	-13078.5
5150_5150	5150	5150	63.411	355.978	0.111	-0.627	-9.933	13077.02
5150_5151	5150	5151	-49.377	-320.395	-0.111	0.626	8.462	-8580.58
5151_5151	5151	5151	577.505	317.62	0.032	0.273	-7.066	5693.266
5151_5152	5151	5152	-580.613	-289.471	-0.032	-0.274	6.688	-2192.07
5152_5152	5152	5152	574.03	252.909	0.106	-0.066	-6.674	2192.724
5152_5153	5152	5153	-558.664	-233.487	-0.106	0.067	5.802	-273.135
5153_5153	5153	5153	590.657	236.673	0.107	0.034	-5.851	104.472
5153_5154	5153	5154	-543.26	-205.321	-0.107	-0.034	4.38	2724.41
5154_5154	5154	5154	543.26	163.692	0.106	0.018	-4.38	-2724.41
5154_5155	5154	5155	-506.638	-138.592	-0.106	-0.018	3.214	4226.733
5155_5155	5155	5155	506.638	138.592	0.106	0.018	-3.214	-4226.73
5155_5156	5155	5156	-470.016	-113.492	-0.106	-0.018	2.049	5452.939
5156_5156	5156	5156	470.018	73.855	0.038	-0.017	-2.049	-5452.94
5156_5157	5156	5157	-436.691	-51.014	-0.038	0.017	1.673	5932.121
5157_5157	5157	5157	436.691	51.014	0.038	0.076	-1.673	-5932.12
5157_5158	5157	5158	-403.398	-28.196	-0.038	-0.076	1.292	6182.51
5158_5158	5158	5158	403.39	-9.771	0.092	-3.83	-1.292	-6182.49
5158_5159	5158	5159	-370.216	32.612	-0.092	3.83	0.367	5825.281
5159_5159	5159	5159	370.216	-32.612	0.146	3.88	-0.367	-5825.28
5159_5160	5159	5160	-337.042	55.453	-0.146	-3.88	-1.097	5239.422
5160_5160	5160	5160	337.042	-95.619	0.117	0.029	1.097	-5239.45
5160_5161	5160	5161	-300.583	120.719	-0.117	-0.029	-2.386	3890.247
5161_5161	5161	5161	300.583	-120.719	0.117	0.029	2.386	-3890.25
5161_5162	5161	5162	-264.125	145.819	-0.117	-0.029	-3.675	2264.932
5162_5162	5162	5162	264.137	-184.365	-0.101	-0.048	3.675	-2264.91
5162_5163	5162	5163	-217.378	215.718	0.101	0.048	-2.283	-687.981
5163_5163	5163	5163	221.092	-213.295	-0.144	0.177	2.253	682.647
5163_5164	5163	5164	-194.069	232.761	0.144	-0.179	-1.062	-2643.08
5164_5164	5164	5164	200.521	-268.704	0.181	2.936	1.156	2643.767
5164_5165	5164	5165	-166.511	296.8	-0.181	-2.931	-3.281	-6137.39
5165_5165	5165	5165	153.549	-291.305	0.34	-4.344	2.512	6254.414
5165_5166	5165	5166	-133.091	327.538	-0.34	4.348	-7.02	-10521.6
5166_5166	5166	5166	145.871	-359.358	0.193	-6.529	6.716	10524.03
5166_5167	5166	5167	-139.668	395.095	-0.193	6.525	-9.143	-15389.2
5167_5167	5167	5167	150.787	-388.633	0.149	7.011	10.579	15392.71
5167_5168	5167	5168	-155.009	426.519	-0.149	-7.015	-12.459	-20630.7
5168_5168	5168	5168	-1830.64	246.436	-1.354	-2.494	9.682	6145.596
5168_5169	5168	5169	1835.436	-221.63	1.354	2.494	3.186	-3943.68
5169_5169	5169	5169	-1842.77	221.622	1.195	3.066	-2.961	3979.479
5169_5170	5169	5170	1847.053	-202.891	-1.195	-3.066	-6.291	-2355.85
5170_5170	5170	5170	-1847.05	202.891	-1.437	-0.656	6.291	2355.851
5170_5171	5170	5171	1851.339	-184.135	1.437	0.656	4.846	-875.37
5171_5171	5171	5171	-1851.33	138.431	1.662	0.445	-4.846	875.236

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5171_5172	5171	5172	1855.984	-119.071	-1.662	-0.445	-8.45	134.035
5172_5172	5172	5172	-1855.98	119.071	-0.915	-0.221	8.45	-134.035
5172_5173	5172	5173	1860.641	-99.711	0.915	0.221	-1.132	988.428
5173_5173	5173	5173	-1860.64	99.711	-0.915	-0.221	1.132	-988.428
5173_5174	5173	5174	1865.297	-80.351	0.915	0.221	6.186	1687.929
5174_5174	5174	5174	-1865.3	32.549	1.966	-0.802	-6.186	-1688.06
5174_5175	5174	5175	1869.083	-18.029	-1.966	0.802	-5.609	1823.097
5175_5175	5175	5175	-1869.08	18.029	-1.47	0.871	5.609	-1823.1
5175_5176	5175	5176	1872.865	-3.509	1.47	-0.871	3.21	1871.014
5176_5176	5176	5176	-1872.87	3.509	1.966	-0.811	-3.21	-1871.01
5176_5177	5176	5177	1876.647	11.011	-1.966	0.811	-8.584	1831.805
5177_5177	5177	5177	-1876.65	-11.011	-1.47	0.736	8.584	-1831.81
5177_5178	5177	5178	1880.429	25.531	1.47	-0.736	0.235	1705.468
5178_5178	5178	5178	-1880.43	-73.426	-0.481	-0.375	-0.235	-1705.61
5178_5179	5178	5179	1885.791	92.787	0.481	0.375	4.081	1017.286
5179_5179	5179	5179	-1885.79	-92.787	-0.481	-0.375	-4.081	-1017.29
5179_5180	5179	5180	1891.148	112.147	0.481	0.375	7.928	174.072
5180_5180	5180	5180	-1891.15	-112.147	2.096	0.731	-7.928	-174.072
5180_5181	5180	5181	1896.504	131.507	-2.096	-0.731	-8.839	-824.02
5181_5181	5181	5181	-1896.5	-175.733	-1.607	-0.89	8.839	824.034
5181_5182	5181	5182	1902.281	194.489	1.607	0.89	3.62	-2283.82
5182_5182	5182	5182	-1902.28	-194.489	1.052	3.572	-3.62	2283.817
5182_5183	5182	5183	1908.063	213.244	-1.052	-3.572	-4.535	-3888.94
5183_5183	5183	5183	-1894.98	-213.235	-1.533	-2.838	4.708	3825.087
5183_5184	5183	5184	1901.732	238.042	1.533	2.838	9.854	-5998
5184_5184	5184	5184	138.04	442.395	-0.056	7.398	-9.154	20509.77
5184_5185	5184	5185	-111.56	-404.797	0.056	-7.397	9.857	-15177.7
5185_5185	5185	5185	100.114	411.85	0	-6.982	-8.326	15174.87
5185_5186	5185	5186	-76.72	-376.458	0	6.983	8.326	-10217.9
5186_5186	5186	5186	63.742	347.284	-0.372	-0.496	-8.907	10216.26
5186_5187	5186	5187	-48.253	-311.37	0.372	0.493	13.841	-5812.78
5187_5187	5187	5187	554.407	310.658	0.075	0.264	-1.979	3043.887
5187_5188	5187	5188	-560.679	-281.286	-0.075	-0.259	1.103	396.841
5188_5188	5188	5188	554.19	241.317	-0.043	-0.002	-1.094	-395.817
5188_5189	5188	5189	-543.326	-221.039	0.043	0	1.452	2234.783
5189_5189	5189	5189	561.647	224.701	-0.051	-0.056	-1.364	-2231.8
5189_5190	5189	5190	-525.476	-190.443	0.051	0.056	2.06	4928.409
5190_5190	5190	5190	525.475	146.614	0.207	-0.03	-2.06	-4928.41
5190_5191	5190	5191	-496.405	-119.207	-0.207	0.03	-0.219	6264.08
5191_5191	5191	5191	496.405	119.207	0.207	-0.03	0.219	-6264.08
5191_5192	5191	5192	-467.334	-91.801	-0.207	0.03	-2.497	7298.262
5192_5192	5192	5192	467.345	48.892	-0.169	0.043	2.497	-7298.27
5192_5193	5192	5193	-440.498	-23.928	0.169	-0.043	-0.806	7546.588
5193_5193	5193	5193	440.498	23.928	-0.169	-0.07	0.806	-7546.59
5193_5194	5193	5194	-413.624	1.062	0.169	0.07	0.893	7544.615
5194_5194	5194	5194	413.603	-42.374	0.159	-0.015	-0.893	-7544.62
5194_5195	5194	5195	-386.634	67.363	-0.159	0.015	-0.705	6877.404
5195_5195	5195	5195	386.634	-67.363	0.159	-0.015	0.705	-6877.4
5195_5196	5195	5196	-359.665	92.353	-0.159	0.015	-2.303	5959.522
5196_5196	5196	5196	359.672	-136.344	-0.024	-0.016	2.303	-5959.52
5196_5197	5196	5197	-329.944	163.751	0.024	0.016	-2.04	4180.365
5197_5197	5197	5197	329.944	-163.751	-0.024	-0.016	2.04	-4180.37
5197_5198	5197	5198	-300.215	191.157	0.024	0.016	-1.777	2099.719

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5198_5198	5198	5198	300.218	-234.163	0.027	-0.01	1.777	-2099.72
5198_5199	5198	5199	-261.693	268.396	-0.027	0.01	-2.154	-1519.26
5199_5199	5199	5199	264.854	-265.404	0.025	-0.011	2.065	1444.663
5199_5200	5199	5200	-241.509	286.615	-0.025	0.01	-2.272	-3832.26
5200_5200	5200	5200	249.432	-327.654	-0.006	0.888	2.303	3833.12
5200_5201	5200	5201	-220.159	358.27	0.006	-0.884	-2.235	-8021.34
5201_5201	5201	5201	216.103	-351.017	0.073	-1.298	4.316	8105.55
5201_5202	5201	5202	-202.187	391.608	-0.073	1.305	-5.281	-13161
5202_5202	5202	5202	217.521	-429.724	-0.092	8.289	6.123	13164.08
5202_5203	5202	5203	-214.477	469.593	0.092	-8.293	-4.966	-18911.9
5203_5203	5203	5203	227.617	-461.548	-0.04	-8.528	3.212	18916.38
5203_5204	5203	5204	-232.546	503.57	0.04	8.523	-2.705	-25079
5204_5204	5204	5204	-2098.77	268.606	-2.31	2.3	84.602	7593.005
5204_5205	5204	5205	2101.623	-240.741	2.31	-2.3	-62.656	-5187.45
5205_5205	5205	5205	-2104.08	240.74	-4.927	-3.521	63.887	4941.768
5205_5206	5205	5206	2106.685	-219.489	4.927	3.521	-25.7	-3170.71
5206_5206	5206	5206	-2106.69	219.489	-1.861	1.409	25.7	3170.71
5206_5207	5206	5207	2109.291	-198.238	1.861	-1.409	-11.279	-1564.38
5207_5207	5207	5207	-2109.28	150.925	-3.649	0.067	11.279	1564.376
5207_5208	5207	5208	2112.276	-128.988	3.649	-0.067	17.914	-458.663
5208_5208	5208	5208	-2112.28	128.988	-3.649	0.067	-17.914	458.663
5208_5209	5208	5209	2115.267	-107.052	3.649	-0.067	47.106	471.549
5209_5209	5209	5209	-2115.27	107.052	-3.649	0.067	-47.106	-471.549
5209_5210	5209	5210	2118.259	-85.116	3.649	-0.067	76.299	1226.26
5210_5210	5210	5210	-2118.3	36.462	1.349	-0.235	-76.299	-1226.26
5210_5211	5210	5211	2120.927	-20.01	-1.349	0.235	68.204	1383.659
5211_5211	5211	5211	-2120.93	20.01	-2.612	0.538	-68.204	-1383.66
5211_5212	5211	5212	2123.553	-3.558	2.612	-0.538	83.876	1442.336
5212_5212	5212	5212	-2123.55	3.558	1.349	-0.259	-83.876	-1442.34
5212_5213	5212	5213	2126.179	12.894	-1.349	0.259	75.782	1402.3
5213_5213	5213	5213	-2126.18	-12.894	-2.612	0.397	-75.782	-1402.3
5213_5214	5213	5214	2128.805	29.346	2.612	-0.397	91.454	1263.539
5214_5214	5214	5214	-2128.87	-77.77	1.731	0.315	-91.454	-1263.44
5214_5215	5214	5215	2132.86	99.706	-1.731	-0.315	77.607	535.494
5215_5215	5215	5215	-2132.86	-99.706	4.701	1.04	-77.607	-535.496
5215_5216	5215	5216	2136.851	121.642	-4.701	-1.04	39.993	-367.934
5216_5216	5216	5216	-2136.86	-121.642	1.731	-0.892	-39.993	367.935
5216_5217	5216	5217	2140.851	143.578	-1.731	0.892	26.146	-1446.88
5217_5217	5217	5217	-2140.87	-189.418	2.086	-16.608	-26.146	1446.722
5217_5218	5217	5218	2145.195	210.641	-2.086	16.608	10.001	-3014.33
5218_5218	5218	5218	-2145.19	-210.641	5.188	-10.972	-10.001	3014.343
5218_5219	5218	5219	2149.518	231.892	-5.188	10.972	-30.209	-4748.55
5219_5219	5219	5219	-2141.17	-231.889	19.713	28.653	30.297	4970.979
5219_5220	5219	5220	2146.264	259.752	-19.713	-28.653	-217.568	-7329.56
5220_5220	5220	5220	200.579	513.66	0.524	-35.17	-1.45	24707.44
5220_5221	5220	5221	-178.522	-471.929	-0.524	35.175	-5.144	-18504
5221_5221	5221	5221	165.206	479.848	0.364	34.477	-2.21	18500.46
5221_5222	5221	5222	-145.051	-440.322	-0.364	-34.473	-2.362	-12722.6
5222_5222	5222	5222	129.675	403.511	0.841	-2.552	5.648	12720.76
5222_5223	5222	5223	-114.794	-363.239	-0.841	2.497	-16.805	-7614.37
5223_5223	5223	5223	622.463	362.855	0.509	2.38	-1.123	4770.345
5223_5224	5223	5224	-624.332	-330.689	-0.509	-2.403	-4.862	-756.399
5224_5224	5224	5224	616.573	283.715	0.233	11.942	4.779	757.498

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5224_5225	5224	5225	-600.343	-261.465	-0.233	-11.937	-6.698	1400.499
5225_5225	5225	5225	573.786	265.785	0.018	-8.734	7.072	-1202.39
5225_5226	5225	5226	-527.246	-222.599	-0.018	8.734	-7.355	4769.072
5226_5226	5226	5226	527.237	169.019	0.799	20.004	7.355	-4769.02
5226_5227	5226	5227	-491.203	-135.871	-0.799	-20.004	-16.821	6418.325
5227_5227	5227	5227	491.209	135.871	0.574	-19.554	16.821	-6418.33
5227_5228	5227	5228	-455.171	-102.719	-0.574	19.554	-23.623	7674.821
5228_5228	5228	5228	454.996	49.695	0.388	21.296	23.623	-7673.37
5228_5229	5228	5229	-418.744	-14.465	-0.388	-21.296	-28.226	7895.214
5229_5229	5229	5229	418.737	14.632	0.163	-21.088	28.226	-7895.21
5229_5230	5229	5230	-384.716	20.603	-0.163	21.088	-30.164	7710.146
5230_5230	5230	5230	384.65	-74.755	-0.26	12.517	30.164	-7708.9
5230_5231	5230	5231	-350.265	110.975	0.26	-12.517	-26.993	6425.496
5231_5231	5231	5231	350.262	-110.804	-0.435	-13.066	26.993	-6425.49
5231_5232	5231	5232	-318.235	147.029	0.435	13.066	-21.689	4711.771
5232_5232	5232	5232	317.928	-202.543	4.584	5.295	21.689	-4710.98
5232_5233	5232	5233	-295.384	229.852	-4.584	-5.295	-63.817	2623.71
5233_5233	5233	5233	304.403	-226.967	5.33	-0.345	68.4	-2655.89
5233_5234	5233	5234	-287.361	247.874	-5.33	0.396	-105.116	942.741
5234_5234	5234	5234	291.421	-243.199	5.208	-5.567	105.009	-942.019
5234_5235	5234	5235	-272.625	266.869	-5.208	5.717	-145.332	-1124.89
5235_5235	5235	5235	279.318	-307.406	-4.433	-7.215	145.259	1124.829
5235_5236	5235	5236	-266.286	323.973	4.433	7.047	-121.452	-2890.99
5236_5236	5236	5236	226.311	-319.893	-6.326	-1.844	200.497	3132.575
5236_5237	5236	5237	-218.906	351.506	6.326	1.425	-146.967	-6047.86
5237_5237	5237	5237	224.743	-346.744	-6.413	11.417	148.027	6049.517
5237_5238	5237	5238	-222.451	371.803	6.413	-11.82	-105.676	-8475.79
5238_5238	5238	5238	233.146	-418.315	-2.468	-17.987	103.349	8476.054
5238_5239	5238	5239	-234.182	456.602	2.468	17.873	-78.977	-12869.2
5239_5239	5239	5239	259.405	-438.834	-2.567	12.875	82.989	12879.61
5239_5240	5239	5240	-270.021	481.642	2.567	-13.05	-55.56	-17871.5
5240_5240	5240	5240	-1925.28	319.064	-69.441	-5.252	1359.508	5821.865
5240_5241	5240	5241	1934.164	-274.412	69.441	5.252	-506.299	-2213.17
5241_5241	5241	5241	-1931.51	274.515	-60.55	6.99	508.799	2199.152
5241_5242	5241	5242	1935.118	-253.538	60.55	-6.99	-154.317	-668.752
5242_5242	5242	5242	-1935.17	253.613	-58.838	8.183	154.317	668.772
5242_5243	5242	5243	1938.538	-230.838	58.838	-8.183	219.654	856.347
5243_5243	5243	5243	-1940.75	187.86	-11.435	3.251	-219.654	-856.923
5243_5244	5243	5244	1948.129	-152.65	11.435	-3.251	332.023	2498.429
5244_5244	5244	5244	-1948.16	152.771	-3.952	-1.724	-332.023	-2498.44
5244_5245	5244	5245	1954.16	-117.696	3.952	1.724	370.712	3796.197
5245_5245	5245	5245	-1953.39	76.973	-15.95	5.897	-370.712	-3795.38
5245_5246	5245	5246	1958.64	-40.634	15.95	-5.897	532.475	4368.592
5246_5246	5246	5246	-1958.67	40.755	-8.399	-4.922	-532.475	-4368.67
5246_5247	5246	5247	1962.271	-6.778	8.399	4.922	612.111	4577.579
5247_5247	5247	5247	-1962.17	-36.426	-5.85	4.936	-612.111	-4576.69
5247_5248	5247	5248	1965.108	69.727	5.85	-4.936	666.481	4069.628
5248_5248	5248	5248	-1965.14	-69.606	1.057	-3.643	-666.481	-4069.52
5248_5249	5248	5249	1966.982	106.621	-1.057	3.643	655.567	3149.618
5249_5249	5249	5249	-1968.09	-146.153	37.576	1.17	-655.567	-3149.26
5249_5250	5249	5250	1968.816	182.387	-37.576	-1.17	275.599	1483.038
5250_5250	5250	5250	-1968.7	-182.265	43.37	0.977	-275.599	-1483.1
5250_5251	5250	5251	1968.066	216.348	-43.37	-0.977	-136.925	-412.267

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5251_5251	5251	5251	-1965.64	-271.204	-25.373	-36.694	136.925	411.037
5251_5252	5251	5252	1965.697	292.875	25.373	36.694	16.527	-2118.46
5252_5252	5252	5252	-1965.74	-292.799	-21.913	-31.11	-16.527	2118.517
5252_5253	5252	5253	1965.258	315.229	21.913	31.11	153.7	-4021.17
5253_5253	5253	5253	-1961.86	-315.129	-16.187	-16.79	-154.436	4004.606
5253_5254	5253	5254	1960.08	349.645	16.187	16.79	308.174	-7156.69
5254_5254	5254	5254	280.872	503.792	-77.582	231.594	-240.183	20496.71
5254_5255	5254	5255	-275.681	-492.739	77.582	-231.713	450.177	-19147.2
5255_5255	5255	5255	258.305	446.133	40.833	-25.619	-416.639	19138.83
5255_5256	5255	5256	-234.65	-396.067	-40.833	25.86	-98.059	-13829.6
5256_5256	5256	5256	225.339	404.372	40.557	38.867	91.491	13825.98
5256_5257	5256	5257	-209.817	-369.343	-40.557	-38.715	-462.088	-10286.5
5257_5257	5257	5257	200.829	319.95	-21.167	-31.935	467.155	10283.59
5257_5258	5257	5258	-190.845	-295.468	21.167	31.954	-329.259	-8275.47
5258_5258	5258	5258	186.203	300.307	-21.337	-10.393	327.248	8274.483
5258_5259	5258	5259	-177.473	-272.686	21.337	10.411	-168.339	-6132.51
5259_5259	5259	5259	118.09	279.056	-21.483	14.532	170.02	6421.826
5259_5260	5259	5260	-113.08	-254.767	21.483	-14.521	-4.905	-4350.56
5260_5260	5260	5260	637.814	207.647	2.185	14.609	-16.754	1680.759
5260_5261	5260	5261	-662.812	-188.251	-2.185	-14.62	3.839	-413.459
5261_5261	5261	5261	660.135	194.404	1.8	-0.042	-3.518	412.798
5261_5262	5261	5262	-680.27	-173.574	-1.8	0.037	-8.015	849.015
5262_5262	5262	5262	705.53	177.918	1.605	-6.097	7.624	-1158.54
5262_5263	5262	5263	-736.521	-138.962	-1.605	6.097	-27.183	3239.584
5263_5263	5263	5263	736.552	76.279	0.835	14.112	27.183	-3239.57
5263_5264	5263	5264	-769.454	-39.782	-0.835	-14.112	-36.72	4060.783
5264_5264	5264	5264	769.443	39.952	0.523	-12.687	36.72	-4060.74
5264_5265	5264	5265	-805.193	-2.765	-0.523	12.687	-42.803	4480.205
5265_5265	5265	5265	805.192	-50.993	0.426	19.956	42.803	-4480.14
5265_5266	5265	5266	-841.441	88.26	-0.426	-19.956	-47.776	3841.526
5266_5266	5266	5266	841.442	-88.09	-0.004	-19.77	47.776	-3841.55
5266_5267	5266	5267	-879.043	124.505	0.004	19.77	-47.729	2808.916
5267_5267	5267	5267	879.12	-180.045	1.61	18.402	47.729	-2808.92
5267_5268	5267	5268	-918.234	216.926	-1.61	-18.402	-66.308	704.143
5268_5268	5268	5268	918.247	-216.756	1.09	-19.069	66.308	-704.139
5268_5269	5268	5269	-959.452	253.532	-1.09	19.069	-78.853	-1807.2
5269_5269	5269	5269	959.473	-306.485	-0.893	5.035	78.853	1807.248
5269_5270	5269	5270	-991.376	334.808	0.893	-5.035	-70.936	-4498.15
5270_5270	5270	5270	991.362	-334.678	-1.208	-5.108	70.936	4498.198
5270_5271	5270	5271	-1024.43	362.884	1.208	5.108	-60.278	-7420.78
5271_5271	5271	5271	946.291	-358.022	-1.714	-6.167	51.321	8073.833
5271_5272	5271	5272	-957.014	380.008	1.714	6.148	-40.352	-10370.5
5272_5272	5272	5272	964.529	-437.072	11.734	-12.118	40.153	10370.12
5272_5273	5272	5273	-959.88	461.433	-11.734	12.179	-122.669	-13497
5273_5273	5273	5273	966.598	-453.39	11.52	-5.086	122.808	13496.37
5273_5274	5273	5274	-946.926	476.478	-11.52	5.178	-198.284	-16555.8
5274_5274	5274	5274	839.795	-469.579	11.903	13.177	185.868	17250.38
5274_5275	5274	5275	-795.118	514.419	-11.903	-12.888	-318.733	-22808.8
5275_5275	5275	5275	810.018	-568.146	-45.626	-44.688	315.179	22812.99
5275_5276	5275	5276	-759.806	609.139	45.626	43.568	134.824	-28729.2
5276_5276	5276	5276	772.231	-599.434	-46.042	41.229	-127.813	28729.51
5276_5277	5276	5277	-725.051	640.562	46.042	-42.472	568.518	-34787.4
5277_5277	5277	5277	386.892	-699.214	73.054	-70.629	-1052.84	37571.35

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5277_5278	5277	5278	-389.911	732.921	-73.054	70.163	485.898	-43176.4
5278_5278	5278	5278	-3053.29	451.825	35.644	10.081	-198.213	14816.92
5278_5279	5278	5279	3065.375	-415.204	-35.644	-10.081	-140.075	-10751.7
5279_5279	5279	5279	-3071.98	415.286	45.94	48.358	142.416	11053.11
5279_5280	5279	5280	3079.909	-391.659	-45.94	-48.358	-442.553	-8450.31
5280_5280	5280	5280	-3081.61	319.115	-57.78	-8.642	442.553	8451.604
5280_5281	5280	5281	3090.271	-276.937	57.78	8.642	231.327	-5011.61
5281_5281	5281	5281	-3090.43	277.091	-48.917	6.353	-231.327	5011.695
5281_5282	5281	5282	3097.494	-232.212	48.917	-6.353	838.365	-1881.17
5282_5282	5282	5282	-3146.23	180.554	4.979	-1.419	-851.575	2111.464
5282_5283	5282	5283	3157.626	-142.113	-4.979	1.419	789.898	-160.902
5283_5283	5283	5283	-3157.58	142.242	15.366	1.406	-789.898	160.814
5283_5284	5283	5284	3166.681	-105.988	-15.366	-1.406	610.357	1250.47
5284_5284	5284	5284	-3166.83	-9.176	13.192	0.368	-610.357	-1250.56
5284_5285	5284	5285	3169.904	44.162	-13.192	-0.368	461.616	936.557
5285_5285	5285	5285	-3169.84	-44.048	21.173	0.353	-461.616	-936.682
5285_5286	5285	5286	3171.322	75.291	-21.173	-0.353	248.429	329.002
5286_5286	5286	5286	-3171.32	-158.433	37.833	-3.235	-248.429	-328.76
5286_5287	5286	5287	3174.082	193.837	-37.833	3.235	-183.257	-1693.56
5287_5287	5287	5287	-3173.93	-193.715	49.352	6.149	183.257	1693.562
5287_5288	5287	5288	3175.174	229.301	-49.352	-6.149	-749.266	-4125.87
5288_5288	5288	5288	-3176.52	-231.899	-31.667	-21.899	749.266	4126.011
5288_5289	5288	5289	3177.384	244.306	31.667	21.899	-622.637	-5082.18
5289_5289	5289	5289	-3169.09	-244.235	-26.924	-10.745	622.939	4763.46
5289_5290	5289	5290	3170.218	276.012	26.924	10.745	-367.163	-7240.32
5290_5290	5290	5290	296.184	969.235	-22.838	12.96	90.785	32195.96
5290_5291	5290	5291	-281.414	-929.595	22.838	-13.093	147.771	-22311.9
5291_5291	5291	5291	249.08	848.109	1.52	-30.608	-143.435	22311.05
5291_5292	5291	5292	-233.681	-808.494	-1.52	30.646	126.936	-13355.4
5292_5292	5292	5292	212.239	815.925	1.364	31.029	-130.927	13353.25
5292_5293	5292	5293	-199.808	-781.413	-1.364	-31.004	117.656	-5613.27
5293_5293	5293	5293	179.993	696.446	3.7	-4.636	-115.678	5612.864
5293_5294	5293	5294	-172.358	-670.963	-3.7	4.631	88.683	-643.353
5294_5294	5294	5294	134.39	675.819	3.585	3.669	-86.54	766.649
5294_5295	5294	5295	-128.665	-652.516	-3.585	-3.671	59.167	4286.613
5295_5295	5295	5295	119.927	655.433	3.484	-0.222	-59.109	-4286.86
5295_5296	5295	5296	-116.918	-630.454	-3.484	0.222	30.538	9547.245
5296_5296	5296	5296	17.182	554.294	2.018	17.625	-13.169	-8987.57
5296_5297	5296	5297	-17.946	-541.71	-2.018	-17.625	4.795	11266.41
5297_5297	5297	5297	66.481	541.799	2.132	10.646	-10.278	-11539.8
5297_5298	5297	5298	-67.773	-509.512	-2.132	-10.646	-9.466	16417.61
5298_5298	5298	5298	67.78	509.592	2.044	-20.189	9.466	-16417.6
5298_5299	5298	5299	-69.867	-477.646	-2.044	20.189	-28.2	20954.21
5299_5299	5299	5299	69.798	402.087	-0.059	47.714	28.2	-20955.6
5299_5300	5299	5300	-72.234	-361.426	0.059	-47.714	-27.515	25423.49
5300_5300	5300	5300	72.22	361.53	-0.201	-38.31	27.515	-25423.4
5300_5301	5300	5301	-76.234	-318.327	0.201	38.31	-25.018	29658.94
5301_5301	5301	5301	76.226	238.7	-0.187	58.228	25.018	-29661.3
5301_5302	5301	5302	-81.043	-195.101	0.187	-58.228	-22.674	32400.27
5302_5302	5302	5302	81.062	195.206	-0.329	-54.942	22.674	-32400.4
5302_5303	5302	5303	-86.836	-154.973	0.329	54.942	-18.878	34451.58
5303_5303	5303	5303	86.822	77.129	1.634	68.997	18.878	-34453.8
5303_5304	5303	5304	-93.567	-31.774	-1.634	-68.997	-40.146	35197.39

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5304_5304	5304	5304	93.612	31.879	1.475	-72.318	40.146	-35197.6
5304_5305	5304	5305	-100.611	6.627	-1.475	72.318	-56.437	35372.83
5305_5305	5305	5305	100.572	-84.279	-0.317	55.445	56.437	-35375.3
5305_5306	5305	5306	-108.269	126.302	0.317	-55.445	-52.613	34145
5306_5306	5306	5306	108.27	-126.198	-0.437	-48.003	52.613	-34145
5306_5307	5306	5307	-117.299	167.968	0.437	48.003	-47.379	32427.85
5307_5307	5307	5307	117.315	-247.021	1.758	57.784	47.379	-32430.1
5307_5308	5307	5308	-126.666	288.438	-1.758	-57.784	-68.273	29295.72
5308_5308	5308	5308	126.667	-288.333	1.613	-50.344	68.273	-29295.7
5308_5309	5308	5309	-137.647	330.766	-1.613	50.344	-87.906	25581.95
5309_5309	5309	5309	137.679	-399.039	1.932	37.417	87.906	-25583.5
5309_5310	5309	5310	-147.997	441.034	-1.932	-37.417	-111.185	20573.95
5310_5310	5310	5310	148.013	-440.929	1.796	-32.835	111.185	-20574
5310_5311	5310	5311	-159.668	482.749	-1.796	32.835	-132.728	15090.23
5311_5311	5311	5311	159.545	-579.531	-5.585	13.778	132.728	-15090.8
5311_5312	5311	5312	-177.283	623.451	5.585	-13.778	-62.359	7599.206
5312_5312	5312	5312	177.275	-623.349	-5.757	-16.522	62.359	-7599.34
5312_5313	5312	5313	-193.735	661.101	5.757	16.522	0	724.45
5400_5020	5400	5020	2687.997	-244.248	21.885	0.868	-352.887	-3537.18
5400_5401	5400	5401	-2689.05	248.228	-21.885	-0.868	263.413	2530.47
5401_5401	5401	5401	2685.951	-244.531	22.625	-1.31	-257.117	-2530.55
5401_5402	5401	5402	-2686.86	247.924	-22.625	1.31	178.19	1671.592
5402_5402	5402	5402	2692.07	-183.38	17.615	-0.208	-179.1	-1671.5
5402_5403	5402	5403	-2695.16	193.932	-17.615	0.208	-13.28	-388.903
5403_5403	5403	5403	2691.695	-115.921	0.378	-0.76	11.493	388.901
5403_5404	5403	5404	-2693.95	122.816	-0.378	0.76	-14.22	-1249.07
5404_5404	5404	5404	2696.051	-61.296	-1.726	-0.102	14.546	1249.068
5404_5405	5404	5405	-2698.47	68.15	1.726	0.102	-2.088	-1716.29
5405_5405	5405	5405	2698.127	22.032	0.405	-0.405	1.171	1716.294
5405_5406	5405	5406	-2703.43	-8.527	-0.405	0.405	-7.004	-1496.08
5406_5406	5406	5406	2703.169	99.525	0.435	-0.729	6.193	1496.081
5406_5407	5406	5407	-2706.72	-91.345	-0.435	0.729	-10.044	-650.688
5407_5407	5407	5407	2704.204	148.184	-3.583	0.003	10.46	650.682
5407_5408	5407	5408	-2706.66	-142.845	3.583	-0.003	9.442	157.587
5408_5408	5408	5408	2683.694	-431.183	0.278	-1.202	-10.29	-157.587
5408_5409	5408	5409	-2684.39	434.298	-0.278	1.202	9.45	-1148.58
5409_5409	5409	5409	2679.68	416.611	7.008	0.24	-9.233	1149.241
5409_5410	5409	5410	-2678.98	-413.484	-7.008	-0.24	-11.995	107.969
5410_5410	5410	5410	2702.967	-161.797	-2.068	-0.034	11.88	-107.942
5410_5411	5410	5411	-2700.51	167.134	2.068	0.034	-0.393	-805.442
5411_5411	5411	5411	2703.427	-110.413	0.751	-0.867	0.751	805.441
5411_5412	5411	5412	-2699.87	118.59	-0.751	0.867	-7.406	-1819.51
5412_5412	5412	5412	2705.699	-27.231	0.161	-0.555	6.692	1819.533
5412_5413	5412	5413	-2700.39	40.74	-0.161	0.555	-9.01	-2309.46
5413_5413	5413	5413	2705.989	48.415	-1.179	0.332	8.25	2309.503
5413_5414	5413	5414	-2703.57	-41.565	1.179	-0.332	0.256	-1984.94
5414_5414	5414	5414	2701.919	103.298	1.048	-1.319	0.295	1984.944
5414_5415	5414	5415	-2699.66	-96.408	-1.048	1.319	-7.845	-1265.89
5415_5415	5415	5415	2704.798	174.676	-7.889	-0.41	8.905	1265.891
5415_5416	5415	5416	-2701.71	-164.124	7.889	0.41	77.254	584.144
5416_5416	5416	5416	2696.866	229.893	-16.758	-0.494	-76.717	-584.215
5416_5417	5416	5417	-2695.96	-226.495	16.758	0.494	135.256	1381.329
5417_5417	5417	5417	2699.806	224.226	-29.864	-1.487	-137.632	-1381.22

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5417_5036	5417	5036	-2698.76	-220.271	29.864	1.487	259.003	2284.481
5420_5056	5420	5056	2231.523	-227.854	13.697	0.951	-151.373	-3791.44
5420_5421	5420	5421	-2232.45	231.387	-13.697	-0.951	95.287	2851.233
5421_5421	5421	5421	2228.924	-228.123	8.052	0.004	-92.192	-2851.24
5421_5422	5421	5422	-2229.73	231.128	-8.052	-0.004	64.118	2050.602
5422_5422	5422	5422	2234.633	-177.582	6.77	0.338	-64.453	-2050.59
5422_5423	5422	5423	-2237.37	186.928	-6.77	-0.338	-9.449	60.965
5423_5423	5423	5423	2235.281	-124.012	0.618	0.075	7.791	-60.969
5423_5424	5423	5424	-2237.28	130.129	-0.618	-0.075	-12.246	-855.647
5424_5424	5424	5424	2239.735	-77.046	-1.155	0.471	12.486	855.643
5424_5425	5424	5425	-2241.88	83.109	1.155	-0.471	-4.16	-1432.81
5425_5425	5425	5425	2241.899	-10.502	-0.193	0.293	4.144	1432.813
5425_5426	5425	5426	-2246.6	22.474	0.193	-0.293	-1.367	-1670.55
5426_5426	5426	5426	2246.408	53.459	1.79	-0.585	0.845	1670.551
5426_5427	5426	5427	-2249.56	-46.217	-1.79	0.585	-16.69	-1229.34
5427_5427	5427	5427	2248.14	92.197	-3.235	1.771	17.913	1229.324
5427_5428	5427	5428	-2250.33	-87.434	3.235	-1.771	0.07	-730.117
5428_5428	5428	5428	2225.517	-389.424	1.743	-0.304	-0.528	730.121
5428_5429	5428	5429	-2226.14	392.203	-1.743	0.304	-4.737	-1910.3
5429_5429	5429	5429	2227.219	398.822	-4.983	0.703	4.647	1912.313
5429_5430	5429	5430	-2226.6	-396.034	4.983	-0.703	10.445	-708.546
5430_5430	5430	5430	2254.045	-84.575	1.462	0.064	-9.161	708.541
5430_5431	5430	5431	-2251.86	89.329	-1.462	-0.064	1.046	-1191.04
5431_5431	5431	5431	2253.261	-40.704	0.934	0.363	-1.165	1191.043
5431_5432	5431	5432	-2250.11	47.954	-0.934	-0.363	-7.106	-1583.84
5432_5432	5432	5432	2251.698	27.104	-0.399	0.249	6.992	1583.864
5432_5433	5432	5433	-2247	-15.135	0.399	-0.249	-1.247	-1279.43
5433_5433	5433	5433	2248.3	88.774	1.511	0.284	1.94	1279.45
5433_5434	5433	5434	-2246.16	-82.705	-1.511	-0.284	-12.842	-660.93
5434_5434	5434	5434	2243.69	133.897	0.757	0.218	12.771	660.931
5434_5435	5434	5435	-2241.69	-127.793	-0.757	-0.218	-18.219	281.18
5435_5435	5435	5435	2243.716	192.983	-15.757	-1.333	20.937	-281.164
5435_5436	5435	5436	-2240.98	-183.625	15.757	1.333	151.285	2339.245
5436_5436	5436	5436	2236.064	236.214	-12.886	5.313	-152.101	-2339.19
5436_5437	5436	5437	-2235.26	-233.211	12.886	-5.313	197.007	3157.108
5437_5437	5437	5437	2238.935	236.69	-24.892	-1.27	-201.291	-3157.42
5437_5072	5437	5072	-2238.01	-233.16	24.892	1.27	303.136	4118.613
5440_5094	5440	5094	2540.702	-210.847	10.659	0.516	-85.46	-2445.48
5440_5441	5440	5441	-2541.62	214.339	-10.659	-0.516	41.894	1576.585
5441_5441	5441	5441	2536.18	-211.34	5.16	0.236	-40.77	-1576.59
5441_5442	5441	5442	-2536.98	214.32	-5.16	-0.236	22.762	833.842
5442_5442	5442	5442	2541.391	-153.391	2.402	-0.139	-23.019	-833.835
5442_5443	5442	5443	-2544.1	162.656	-2.402	0.139	-3.223	-892.636
5443_5443	5443	5443	2540.941	-88.033	1.568	-0.788	2.115	892.636
5443_5444	5443	5444	-2542.92	94.08	-1.568	0.788	-13.408	-1548.32
5444_5444	5444	5444	2544.405	-36.037	-1.488	0.775	14.046	1548.313
5444_5445	5444	5445	-2546.53	42.048	1.488	-0.775	-3.313	-1829.97
5445_5445	5445	5445	2544.455	42.536	-0.327	0.038	4.729	1829.977
5445_5446	5445	5446	-2549.11	-30.682	0.327	-0.038	-0.01	-1302.3
5446_5446	5446	5446	2545.981	116.778	1.806	0.071	0.88	1302.305
5446_5447	5446	5447	-2549.1	-109.601	-1.806	-0.071	-16.879	-299.776
5447_5447	5447	5447	2546.308	162.001	0.373	-0.112	16.952	299.772
5447_5448	5447	5448	-2548.48	-157.28	-0.373	0.112	-19.025	587.697

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5448_5448	5448	5448	2531.473	-383.911	-7.769	3.682	20.862	-587.706
5448_5449	5448	5449	-2532.09	386.669	7.769	-3.682	2.631	-577.406
5449_5449	5449	5449	2531.434	383.807	8.621	-3.797	-2.605	577.689
5449_5450	5449	5450	-2530.82	-381.049	-8.621	3.797	-23.471	578.997
5450_5450	5450	5450	2546.779	-161.648	-1.753	0.14	22.247	-578.976
5450_5451	5450	5451	-2544.61	166.361	1.753	-0.14	-12.518	-331.355
5451_5451	5451	5451	2547.579	-112.09	-1.102	-0.21	12.555	331.354
5451_5452	5451	5452	-2544.46	119.269	1.102	0.21	-2.795	-1356.04
5452_5452	5452	5452	2547.507	-33.143	0.128	-0.087	1.697	1356.039
5452_5453	5452	5453	-2542.85	44.998	-0.128	0.087	-3.536	-1919.21
5453_5453	5453	5453	2544.428	39.457	0.569	-0.147	2.789	1919.213
5453_5454	5453	5454	-2542.31	-33.447	-0.569	0.147	-6.891	-1656.25
5454_5454	5454	5454	2540.844	92.506	0.057	0.031	6.776	1656.254
5454_5455	5454	5455	-2538.86	-86.451	-0.057	-0.031	-7.185	-1011.14
5455_5455	5455	5455	2540.111	159.379	-2.412	0.037	7.665	1011.148
5455_5456	5455	5456	-2537.4	-150.124	2.412	-0.037	18.661	677.91
5456_5456	5456	5456	2533.011	211.575	-4.784	-0.16	-18.481	-677.915
5456_5457	5456	5457	-2532.22	-208.596	4.784	0.16	35.173	1410.96
5457_5457	5457	5457	2537.731	213.44	-10.874	-0.492	-36.097	-1410.94
5457_5110	5457	5110	-2536.81	-209.939	10.874	0.492	80.639	2278.059
5460_5132	5460	5132	2155.21	-225.852	-6.79	-1.069	225.24	-3692.15
5460_5461	5460	5461	-2156.13	229.36	6.79	1.069	-197.372	2757.964
5461_5461	5461	5461	2151.411	-226.794	-17.815	0.916	189.727	-2757.94
5461_5462	5461	5462	-2152.21	229.771	17.815	-0.916	-127.587	1961.667
5462_5462	5462	5462	2157.115	-178.065	-15.887	-0.349	128.099	-1961.63
5462_5463	5462	5463	-2159.83	187.325	15.887	0.349	45.396	-33.467
5463_5463	5463	5463	2149.738	-121.038	0.488	0.799	-42.204	33.356
5463_5464	5463	5464	-2151.72	127.091	-0.488	-0.799	38.69	-927.512
5464_5464	5464	5464	2154.079	-77.067	6.515	-0.931	-39.588	927.474
5464_5465	5464	5465	-2156.2	83.076	-6.515	0.931	-7.396	-1504.92
5465_5465	5465	5465	2140.862	-0.784	-0.384	-0.08	6.85	1504.866
5465_5466	5465	5466	-2145.52	12.633	0.384	0.08	-1.317	-1601.53
5466_5466	5466	5466	2119.533	80.126	-1.46	0.479	2.084	1601.626
5466_5467	5466	5467	-2122.65	-72.951	1.46	-0.479	10.842	-923.914
5467_5467	5467	5467	2120.703	116.568	2.548	-1.001	-11.612	923.905
5467_5468	5467	5468	-2122.87	-111.848	-2.548	1.001	-2.551	-289.167
5468_5468	5468	5468	2074.393	-302.446	0.85	-0.55	2.41	289.164
5468_5469	5468	5469	-2075.01	305.203	-0.85	0.55	-4.98	-1207.65
5469_5469	5469	5469	2066.939	301.038	0.034	0.46	-12.321	1185.565
5469_5470	5469	5470	-2066.32	-298.281	-0.034	-0.46	12.219	-279.671
5470_5470	5470	5470	2114.653	-114.395	1.844	-0.539	-11.83	279.691
5470_5471	5470	5471	-2112.48	119.115	-1.844	0.539	1.583	-928.583
5471_5471	5471	5471	2114.521	-74.706	0.247	0.186	-1.894	928.582
5471_5472	5471	5472	-2111.4	81.889	-0.247	-0.186	-0.292	-1622.59
5472_5472	5472	5472	2138.889	8.38	0.318	-0.082	-0.42	1622.488
5472_5473	5472	5473	-2134.23	3.469	-0.318	0.082	-4.168	-1587.11
5473_5473	5473	5473	2152.18	75.912	-0.613	-0.107	3.086	1587.131
5473_5474	5473	5474	-2150.06	-69.903	0.613	0.107	1.333	-1061.36
5474_5474	5474	5474	2147.854	119.858	-0.763	0	-1.36	1061.363
5474_5475	5474	5475	-2145.88	-113.805	0.763	0	6.862	-219.324
5475_5475	5475	5475	2157.987	177.536	3.436	-0.013	-7.587	219.327
5475_5476	5475	5476	-2155.27	-168.275	-3.436	0.013	-29.937	1668.985
5476_5476	5476	5476	2150.615	219.937	4.283	-0.056	29.748	-1668.99

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5476_5477	5476	5477	-2149.82	-216.959	-4.283	0.056	-44.687	2431.007
5477_5477	5477	5477	2154.092	220.247	1.216	0.309	47.718	-2430.94
5477_5148	5477	5148	-2153.17	-216.748	-1.216	-0.309	-52.698	3325.671
5480_5168	5480	5168	2085.263	-239.751	2.772	0.068	7.221	-4419.47
5480_5481	5480	5481	-2086.18	243.251	-2.772	-0.068	-18.573	3430.52
5481_5481	5481	5481	2083.076	-241.493	-4.634	-4.821	15.155	-3430.44
5481_5482	5481	5482	-2083.87	244.471	4.634	4.821	1.008	2582.858
5482_5482	5482	5482	2089.191	-193.881	0.357	1.548	0.735	-2582.86
5482_5483	5482	5483	-2091.9	203.132	-0.357	-1.548	-4.631	416.865
5483_5483	5483	5483	2094.158	-141.83	-1.593	0.355	4.592	-416.874
5483_5484	5483	5484	-2096.14	147.883	1.593	-0.355	6.887	-627.148
5484_5484	5484	5484	2099.008	-99.133	1.416	-0.399	-7.199	627.144
5484_5485	5484	5485	-2101.13	105.142	-1.416	0.399	-3.009	-1363.71
5485_5485	5485	5485	2096.606	-26.954	-0.187	-0.032	3.535	1363.75
5485_5486	5485	5486	-2101.26	38.812	0.187	0.032	-0.838	-1837.87
5486_5486	5486	5486	2087.191	52.338	-2.014	0.208	0.645	1837.987
5486_5487	5486	5487	-2090.31	-45.163	2.014	-0.208	17.189	-1406.32
5487_5487	5487	5487	2088.941	88.131	-0.471	-0.457	-17.649	1406.314
5487_5488	5487	5488	-2091.11	-83.412	0.471	0.457	20.268	-929.618
5488_5488	5488	5488	2047.398	-326.543	-0.938	-0.666	-21.231	929.656
5488_5489	5488	5489	-2048.02	329.3	0.938	0.666	24.067	-1920.99
5489_5489	5489	5489	2048.743	330.485	-2.125	1.013	14.336	1922.422
5489_5490	5489	5490	-2048.13	-327.728	2.125	-1.013	-7.912	-927.507
5490_5490	5490	5490	2095.822	-82.978	0.557	-0.524	7.515	927.485
5490_5491	5490	5491	-2093.65	87.698	-0.557	0.524	-10.608	-1401.77
5491_5491	5491	5491	2095.014	-44.633	-0.99	0.284	10.149	1401.775
5491_5492	5491	5492	-2091.9	51.808	0.99	-0.284	-1.387	-1828.75
5492_5492	5492	5492	2109.647	38.927	-0.266	0.001	0.837	1828.809
5492_5493	5492	5493	-2104.99	-27.068	0.266	-0.001	3	-1353.04
5493_5493	5493	5493	2113.785	105.192	1.356	-0.388	-2.743	1353.045
5493_5494	5493	5494	-2111.67	-99.184	-1.356	0.388	-7.039	-616.112
5494_5494	5494	5494	2108.79	148.227	-1.67	0.354	6.732	616.116
5494_5495	5494	5495	-2106.81	-142.175	1.67	-0.354	5.305	430.39
5495_5495	5495	5495	2110.118	204.216	0.827	1.548	-5.637	-430.376
5495_5496	5495	5496	-2107.41	-194.956	-0.827	-1.548	-3.396	2610.067
5496_5496	5496	5496	2102.119	245.445	-4.186	-4.96	5.149	-2610.06
5496_5497	5496	5497	-2101.32	-242.468	4.186	4.96	9.455	3461.038
5497_5497	5497	5497	2104.098	244.398	2.632	0.139	-12.915	-3461.1
5497_5184	5497	5184	-2103.18	-240.899	-2.632	-0.139	2.137	4454.751
5500_5204	5500	5204	2429.91	-245.709	-0.788	0.398	-46.836	-4108.41
5500_5501	5500	5501	-2431	249.847	0.788	-0.398	50.062	3093.777
5501_5501	5501	5501	2429.072	-246.909	4.581	0.322	-47.134	-3093.89
5501_5502	5501	5502	-2430.01	250.431	-4.581	-0.322	31.152	2226.438
5502_5502	5502	5502	2435.323	-192.058	3.625	0.174	-31.398	-2226.44
5502_5503	5502	5503	-2438.53	203.01	-3.625	-0.174	-8.189	69.153
5503_5503	5503	5503	2436.715	-133.723	-2.147	0.745	8.105	-69.145
5503_5504	5503	5504	-2439.06	140.881	2.147	-0.745	7.37	-920.429
5504_5504	5504	5504	2441.671	-84.165	1.368	-0.425	-7.824	920.426
5504_5505	5504	5505	-2444.18	91.271	-1.368	0.425	-2.043	-1553.01
5505_5505	5505	5505	2442.654	-11.939	-0.353	0.208	2.688	1552.984
5505_5506	5505	5506	-2448.16	25.964	0.353	-0.208	2.4	-1826.23
5506_5506	5506	5506	2446	56.317	1.036	0.557	-2.731	1826.256
5506_5507	5506	5507	-2449.69	-47.831	-1.036	-0.557	-6.445	-1365.16

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5507_5507	5507	5507	2448.187	98.187	2.843	-0.565	6	1365.161
5507_5508	5507	5508	-2450.73	-92.652	-2.843	0.565	-21.8	-834.845
5508_5508	5508	5508	2418.679	-426.677	-3.251	1.826	23.056	834.781
5508_5509	5508	5509	-2419.4	429.91	3.251	-1.826	-13.228	-2129.55
5509_5509	5509	5509	2419.435	430.162	-2.338	-1.618	13.181	2129.317
5509_5510	5509	5510	-2418.71	-426.929	2.338	1.618	-6.112	-833.79
5510_5510	5510	5510	2447.818	-92.324	2.354	-1.254	6.555	833.795
5510_5511	5510	5511	-2445.28	97.859	-2.354	1.254	-19.638	-1362.29
5511_5511	5511	5511	2446.77	-47.574	-2.237	0.877	18.506	1362.303
5511_5512	5511	5512	-2443.08	56.06	2.237	-0.877	1.299	-1821.12
5512_5512	5512	5512	2442.342	26.288	-0.01	0.026	-0.317	1821.137
5512_5513	5512	5513	-2436.83	-12.263	0.01	-0.026	0.459	-1543.21
5513_5513	5513	5513	2435.118	91.607	2.045	-0.402	-0.234	1543.225
5513_5514	5513	5514	-2432.61	-84.5	-2.045	0.402	-14.512	-908.224
5514_5514	5514	5514	2430.051	139.957	-1.423	0.588	14.066	908.231
5514_5515	5514	5515	-2427.71	-132.808	1.423	-0.588	-3.821	73.42
5515_5515	5515	5515	2427.642	202.99	-6.472	0.795	4.295	-73.42
5515_5516	5515	5516	-2424.43	-192.038	6.472	-0.795	66.384	2230.462
5516_5516	5516	5516	2419.117	250.141	-10.094	-1.048	-65.428	-2230.49
5516_5517	5516	5517	-2418.18	-246.62	10.094	1.048	100.64	3096.9
5517_5517	5517	5517	2419.561	248.739	-41.563	-2.873	-93.644	-3096.9
5517_5220	5517	5220	-2418.47	-244.6	41.563	2.873	263.831	4106.942
5520_5240	5520	5240	2239.986	-509.562	133.815	6.169	-1304.27	-8363.38
5520_5521	5520	5521	-2241.29	518.028	-133.815	-6.169	391.071	4857.075
5521_5521	5521	5521	2304.815	-283.793	36.983	9.558	-384.354	-4865.96
5521_5522	5521	5522	-2305.95	288.032	-36.983	-9.558	255.097	3866.687
5522_5522	5522	5522	2312.482	-231.089	27.174	-1.057	-259.736	-3866.39
5522_5523	5522	5523	-2316.34	244.239	-27.174	1.057	-36.895	1272.039
5523_5523	5523	5523	2324.006	-188.061	0.768	0.561	32.417	-1271.26
5523_5524	5523	5524	-2326.82	196.657	-0.768	-0.561	-37.946	-114.612
5524_5524	5524	5524	2330.741	-142.677	-6.673	0.055	38.081	114.568
5524_5525	5524	5525	-2333.75	151.212	6.673	-0.055	10.035	-1174.08
5525_5525	5525	5525	2337.299	-85.788	-1.357	-0.031	-11.699	1173.39
5525_5526	5525	5526	-2343.92	102.633	1.357	0.031	31.264	-2531.65
5526_5526	5526	5526	2350.873	-30.716	0.816	-1.776	-29.977	2529.389
5526_5527	5526	5527	-2355.3	40.916	-0.816	1.776	22.747	-2846.71
5527_5527	5527	5527	2355.643	8.755	-1.876	1.952	-21.286	2846.719
5527_5528	5527	5528	-2358.67	-2.163	1.876	-1.952	31.708	-2816.4
5528_5528	5528	5528	2314.996	-499.136	-3.2	-7.021	-27.866	2813.99
5528_5529	5528	5529	-2315.86	502.99	3.2	7.021	37.542	-4328.97
5529_5529	5529	5529	2315.161	501.414	-0.153	4.525	-36.984	4324.952
5529_5530	5529	5530	-2314.3	-497.561	0.153	-4.525	37.447	-2815.15
5530_5530	5530	5530	2365.211	-0.894	10.389	-4.106	-40.171	2812.866
5530_5531	5530	5531	-2362.18	7.489	-10.389	4.106	-17.551	-2836.15
5531_5531	5531	5531	2361.845	41.493	5.534	1.406	14.909	2836.171
5531_5532	5531	5532	-2357.41	-31.299	-5.534	-1.406	-63.915	-2513.88
5532_5532	5532	5532	2357.96	112.043	-1.696	-0.522	61.386	2512.786
5532_5533	5532	5533	-2351.35	-95.192	1.696	0.522	-36.934	-1018.42
5533_5533	5533	5533	2346.664	174.138	-3.099	0.602	36.184	1018.14
5533_5534	5533	5534	-2343.65	-165.602	3.099	-0.602	-13.836	206.839
5534_5534	5534	5534	2339.16	220.106	-4.75	0.13	13.895	-206.836
5534_5535	5534	5535	-2336.35	-211.506	4.75	-0.13	20.344	1762.323
5535_5535	5535	5535	2330.991	281.778	24.149	2.315	-16.893	-1761.04

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5535_5536	5535	5536	-2327.14	-268.622	-24.149	-2.315	-246.837	4766.533
5536_5536	5536	5536	2320.114	323.685	24.675	-2.411	246.522	-4766.55
5536_5537	5536	5537	-2318.98	-319.459	-24.675	2.411	-332.499	5887.052
5537_5537	5537	5537	2333.908	319.199	-64.107	-100.232	343.225	-5902.08
5537_5254	5537	5254	-2332.6	-314.227	64.107	100.232	-80.709	7199.007
5540_5278	5540	5278	3583.673	-330.088	42.719	107.368	-222.233	-4122.7
5540_5541	5540	5541	-3585.08	335.429	-42.719	-107.368	47.566	2762.148
5541_5541	5541	5541	3597.274	-329.491	6.488	3.438	-45.506	-2804.27
5541_5542	5541	5542	-3598.49	334.053	-6.488	-3.438	22.833	1644.843
5542_5542	5542	5542	3605.604	-245.714	-0.796	0.607	-23.735	-1644.83
5542_5543	5542	5543	-3609.75	259.87	0.796	-0.607	32.422	-1115.48
5543_5543	5543	5543	3618.122	-156.958	3.669	-5.04	-36.332	1110.861
5543_5544	5543	5544	-3621.15	166.212	-3.669	5.04	9.887	-2275.5
5544_5544	5544	5544	3624.057	-80.77	-6.362	1.543	-7.76	2275.508
5544_5545	5544	5545	-3627.3	89.946	6.362	-1.543	53.596	-2890.49
5545_5545	5545	5545	3617.423	26.329	1.002	-1.923	-55.116	2885.466
5545_5546	5545	5546	-3624.54	-8.202	-1.002	1.923	40.671	-2636.55
5546_5546	5546	5546	3607.828	128.227	11.328	-1.73	-40.423	2633.114
5546_5547	5546	5547	-3612.6	-117.258	-11.328	1.73	-59.878	-1546.28
5547_5547	5547	5547	3609.467	190.901	6.054	-0.745	60.843	1546.245
5547_5548	5547	5548	-3612.72	-183.818	-6.054	0.745	-94.502	-504.562
5548_5548	5548	5548	3574.268	-578.383	-19.188	0.402	98.968	496.875
5548_5549	5548	5549	-3575.19	582.518	19.188	-0.402	-40.967	-2251.45
5549_5549	5549	5549	3594.497	601.597	-16.281	-2.962	41.669	2255.116
5549_5550	5549	5550	-3593.54	-597.533	16.281	2.962	6.808	-469.882
5550_5550	5550	5550	3614.196	-189.192	13.608	-2.438	-5.454	470.253
5550_5551	5550	5551	-3610.76	196.352	-13.608	2.438	-71.629	-1562.21
5551_5551	5551	5551	3614.302	-114.563	5.852	-0.755	70.061	1562.284
5551_5552	5551	5552	-3609.62	124.93	-5.852	0.755	-119.353	-2570.84
5552_5552	5552	5552	3606.865	11.912	0.028	-1.958	118.01	2570.101
5552_5553	5552	5553	-3599.73	5.709	-0.028	1.958	-118.402	-2526.46
5553_5553	5553	5553	3600.297	122.862	-7.113	-0.972	116.842	2525.557
5553_5554	5553	5554	-3597.07	-113.916	7.113	0.972	-66.76	-1691.99
5554_5554	5554	5554	3592.938	206.404	-11.177	-0.737	66.065	1692.015
5554_5555	5554	5555	-3589.94	-197.373	11.177	0.737	12.673	-269.796
5555_5555	5555	5555	3599.722	316.162	-20.28	2.025	-11.554	270.114
5555_5556	5555	5556	-3595.68	-302.344	20.28	-2.025	227.692	3025.731
5556_5556	5556	5556	3585.822	402.247	-28.943	0.825	-225.571	-3025.89
5556_5557	5556	5557	-3584.65	-397.768	28.943	-0.825	324.806	4397.339
5557_5557	5557	5557	3572.057	398.893	1.632	-17.853	-327.979	-4403.78
5557_5290	5557	5290	-3570.19	-391.711	-1.632	17.853	319.017	6575.142
6000_6000	6000	6000	7.312	12.769	-0.07	-0.013	0	-8.642
6000_6001	6000	6001	-20.714	6.012	0.07	0.013	0.816	61.773
6001_6001	6001	6001	20.714	-6.012	-0.07	0.056	-0.816	-61.773
6001_6002	6001	6002	-31.825	21.585	0.07	-0.056	1.492	-59.682
6002_6002	6002	6002	31.838	21.025	0.083	-0.015	-1.492	59.794
6002_6003	6002	6003	-28.718	-1.427	-0.083	0.015	0.483	73.165
6003_6003	6003	6003	28.717	1.427	0.083	0.045	-0.483	-73.165
6003_6004	6003	6004	-25.596	18.173	-0.083	-0.045	-0.526	-31.543
6004_6004	6004	6004	25.594	20.019	-0.022	0.006	0.526	31.545
6004_6005	6004	6005	-26.001	-0.416	0.022	-0.006	-0.258	92.835
6005_6005	6005	6005	26.001	0.416	-0.022	0.015	0.258	-92.835
6005_6006	6005	6006	-26.408	19.171	0.022	-0.015	0.011	-20.372

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6006_6006	6006	6006	26.393	19.833	0.009	0.004	-0.011	20.558
6006_6007	6006	6007	-26.032	-0.23	-0.009	-0.004	-0.099	100.773
6007_6007	6007	6007	26.032	0.23	0.009	0.004	0.099	-100.773
6007_6008	6007	6008	-25.67	19.374	-0.009	-0.004	-0.208	-15.673
6008_6008	6008	6008	25.697	19.456	-0.002	0.038	0.208	15.317
6008_6009	6008	6009	-25.448	0.135	0.002	-0.038	-0.19	101.535
6009_6009	6009	6009	25.448	-0.135	-0.002	-0.043	0.19	-101.535
6009_6010	6009	6010	-25.2	19.724	0.002	0.043	-0.172	-19.069
6010_6010	6010	6010	25.173	19.206	-0.001	-0.013	0.172	19.349
6010_6011	6010	6011	-25.62	0.401	0.001	0.013	-0.157	95.195
6011_6011	6011	6011	25.62	-0.401	-0.001	-0.003	0.157	-95.195
6011_6012	6011	6012	-26.067	19.992	0.001	0.003	-0.142	-27.933
6012_6012	6012	6012	26.064	18.79	0.011	-0.012	0.142	27.969
6012_6013	6012	6013	-23.226	0.806	-0.011	0.012	-0.27	77.92
6013_6013	6013	6013	23.226	-0.806	0.011	-0.012	0.27	-77.92
6013_6014	6013	6014	-20.388	20.401	-0.011	0.012	-0.398	-53.778
6014_6014	6014	6014	20.371	18.493	-0.009	-0.004	0.398	53.967
6014_6015	6014	6015	-38.218	7.369	0.009	0.004	-0.259	54.342
6015_6015	6015	6015	38.154	-7.372	-0.009	-0.033	0.26	-54.247
6015_6016	6015	6016	-47.347	20.701	0.009	0.033	-0.187	-51.569
6016_6016	6016	6016	16.948	19.749	-0.009	-0.014	0.302	101.885
6016_6017	6016	6017	-20.824	-1.024	0.009	0.014	-0.192	24.398
6017_6017	6017	6017	20.824	1.024	-0.009	-0.014	0.192	-24.398
6017_6018	6017	6018	-25.195	20.09	0.009	0.014	-0.067	-97.243
6018_6018	6018	6018	25.193	19.587	0.067	-0.011	0.067	97.189
6018_6019	6018	6019	-23.309	0.308	-0.067	0.011	-0.898	21.54
6019_6019	6019	6019	23.309	-0.308	0.067	-0.013	0.898	-21.54
6019_6020	6019	6020	-21.424	20.218	-0.067	0.013	-1.731	-108.414
6020_6020	6020	6020	21.366	20.886	-0.042	-0.005	1.731	108.372
6020_6021	6020	6021	-22.057	-5.745	0.042	0.005	-1.327	18.786
6021_6021	6021	6021	22.039	5.745	-0.042	-0.027	1.327	-18.765
6021_6022	6021	6022	-22.602	6.592	0.042	0.027	-1.004	15.959
6022_6022	6022	6022	22.602	-6.592	-0.042	-0.009	1.004	-15.959
6022_6023	6022	6023	-23.166	18.945	0.042	0.009	-0.676	-82.594
6023_6023	6023	6023	23.167	19.479	-0.096	-0.018	0.676	82.498
6023_6024	6023	6024	-23.11	-6.742	0.096	0.018	0.09	22.272
6024_6024	6024	6024	23.11	6.742	-0.096	0.01	-0.09	-22.272
6024_6025	6024	6025	-23.054	5.997	0.096	-0.01	0.861	25.185
6025_6025	6025	6025	23.053	-5.997	-0.096	-0.025	-0.861	-25.185
6025_6026	6025	6026	-22.997	18.75	0.096	0.025	1.627	-73.947
6026_6026	6026	6026	22.997	18.964	-0.016	-0.004	-1.627	73.839
6026_6027	6026	6027	-23.08	-9.42	0.016	0.004	1.721	11.254
6027_6027	6027	6027	23.08	9.42	-0.016	-0.005	-1.721	-11.254
6027_6028	6027	6028	-23.163	0.141	0.016	0.005	1.814	39.153
6028_6028	6028	6028	23.163	-0.141	-0.016	-0.005	-1.814	-39.153
6028_6029	6028	6029	-23.246	9.702	0.016	0.005	1.907	9.668
6029_6029	6029	6029	23.245	-9.702	-0.015	-0.021	-1.907	-9.668
6029_6030	6029	6030	-23.328	19.26	0.015	0.021	1.994	-77.18
6030_6030	6030	6030	23.33	18.366	0.056	0.002	-1.994	77.155
6030_6031	6030	6031	-23.575	-5.618	-0.056	-0.002	1.546	19.003
6031_6031	6031	6031	23.575	5.618	0.057	-0.019	-1.546	-19.003
6031_6032	6031	6032	-23.819	7.112	-0.057	0.019	1.093	13.214
6032_6032	6032	6032	23.819	-7.112	0.056	-0.004	-1.093	-13.214

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6032_6033	6032	6033	-24.064	19.86	-0.056	0.004	0.645	-94.537
6033_6033	6033	6033	24.066	18.883	0.056	-0.004	-0.645	94.541
6033_6034	6033	6034	-23.644	-6.542	-0.056	0.004	0.213	3.574
6034_6034	6034	6034	23.644	6.542	0.056	-0.005	-0.213	-3.574
6034_6035	6034	6035	-23.222	5.814	-0.056	0.005	-0.221	6.024
6035_6035	6035	6035	23.222	-5.814	0.056	-0.005	0.221	-6.024
6035_6036	6035	6036	-22.707	20.924	-0.056	0.005	-0.751	-121.247
6036_6036	6036	6036	22.743	20.768	-0.031	-0.011	0.751	121.232
6036_6037	6036	6037	-24.175	-0.842	0.031	0.011	-0.364	15.276
6037_6037	6037	6037	24.175	0.842	-0.031	0.003	0.364	-15.276
6037_6038	6037	6038	-25.606	19.07	0.031	-0.003	0.029	-97.314
6038_6038	6038	6038	25.608	14.574	-0.144	-0.009	-0.029	97.322
6038_6039	6038	6039	-17.328	6.528	0.144	0.009	1.939	-53.041
6039_6039	6039	6039	56.973	-3.812	0.026	0.01	-0.007	-10.099
6039_6040	6039	6040	-104.18	22.179	-0.026	-0.01	-0.3	-91.579
6040_6040	6040	6040	104.184	18.826	-0.014	0.026	0.3	91.672
6040_6041	6040	6041	-106.958	-5.939	0.014	-0.026	-0.186	13.918
6041_6041	6041	6041	106.959	5.939	-0.014	-0.011	0.186	-13.918
6041_6042	6041	6042	-112.198	18.405	0.014	0.011	0.029	-76.598
6042_6042	6042	6042	112.2	20.35	0.01	-0.029	-0.029	76.619
6042_6043	6042	6043	-103.038	-1.726	-0.01	0.029	-0.09	44.892
6043_6043	6043	6043	103.038	1.726	0.01	0.035	0.09	-44.892
6043_6044	6043	6044	-93.884	16.883	-0.01	-0.035	-0.209	-55.363
6044_6044	6044	6044	93.87	19.446	-0.003	0.003	0.209	55.469
6044_6045	6044	6045	-87.695	-0.822	0.003	-0.003	-0.178	58.618
6045_6045	6045	6045	87.695	0.822	-0.003	0.003	0.178	-58.618
6045_6046	6045	6046	-81.52	17.802	0.003	-0.003	-0.146	-49.221
6046_6046	6046	6046	81.519	19.075	0.001	-0.001	0.146	49.221
6046_6047	6046	6047	-74.832	-0.444	-0.001	0.001	-0.152	59.885
6047_6047	6047	6047	74.832	0.444	0.001	0.004	0.152	-59.885
6047_6048	6047	6048	-68.151	18.172	-0.001	-0.004	-0.159	-52.927
6048_6048	6048	6048	68.161	18.625	0.007	0.026	0.159	52.817
6048_6049	6048	6049	-60.629	-0.009	-0.007	-0.026	-0.246	49.887
6049_6049	6049	6049	60.628	0.009	0.007	-0.026	0.246	-49.887
6049_6050	6049	6050	-53.091	18.623	-0.007	0.026	-0.333	-69.352
6050_6050	6050	6050	53.111	17.888	-0.015	-0.002	0.333	69.133
6050_6051	6050	6051	-49.906	6.427	0.015	0.002	-0.101	17.083
6051_6051	6051	6051	49.852	-6.427	-0.015	0.005	0.101	-17.003
6051_6052	6051	6052	-48.152	19.329	0.015	-0.005	0.022	-90.872
6052_6052	6052	6052	48.151	19.547	-0.013	0.001	-0.022	90.764
6052_6053	6052	6053	-26.732	-1.189	0.013	-0.001	0.176	5.673
6053_6053	6053	6053	26.155	2.197	-0.02	0.002	-0.112	-5.542
6053_6054	6053	6054	-28.758	17.874	0.02	-0.002	0.381	-95.618
6054_6054	6054	6054	28.753	18.525	0.073	-0.003	-0.381	95.605
6054_6055	6054	6055	-28.99	0.413	-0.073	0.003	-0.528	18.275
6055_6055	6055	6055	28.991	-0.413	0.073	0.01	0.528	-18.275
6055_6056	6055	6056	-29.228	19.338	-0.073	-0.01	-1.437	-104.453
6056_6056	6056	6056	29.206	19.898	-0.065	0.003	1.437	104.444
6056_6057	6056	6057	-29.296	-5.5	0.065	-0.003	-0.815	16.183
6057_6057	6057	6057	29.277	5.5	-0.065	0.002	0.814	-16.162
6057_6058	6057	6058	-29.351	6.24	0.065	-0.002	-0.308	13.221
6058_6058	6058	6058	29.351	-6.24	-0.065	0.003	0.308	-13.221
6058_6059	6058	6059	-29.424	17.966	0.065	-0.003	0.198	-80.537

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6059_6059	6059	6059	29.423	18.882	-0.08	0.009	-0.198	80.614
6059_6060	6059	6060	-28.202	-6.751	0.08	-0.009	0.838	20.717
6060_6060	6060	6060	28.202	6.751	-0.08	-0.012	-0.838	-20.717
6060_6061	6060	6061	-26.983	5.364	0.08	0.012	1.477	24.953
6061_6061	6061	6061	26.983	-5.364	-0.08	0.015	-1.477	-24.952
6061_6062	6061	6062	-25.764	17.48	0.08	-0.015	2.116	-67.721
6062_6062	6062	6062	25.764	18.31	0.005	0.006	-2.116	67.659
6062_6063	6062	6063	-25.158	-9.231	-0.005	-0.006	2.088	14.202
6063_6063	6063	6063	25.158	9.231	0.005	0.005	-2.088	-14.202
6063_6064	6063	6064	-24.552	-0.137	-0.005	-0.005	2.061	41.643
6064_6064	6064	6064	24.552	0.137	0.005	0.005	-2.061	-41.643
6064_6065	6064	6065	-23.945	8.957	-0.005	-0.005	2.033	14.484
6065_6065	6065	6065	23.945	-8.957	0.005	0.006	-2.033	-14.484
6065_6066	6065	6066	-23.339	18.036	-0.005	-0.006	2.005	-67.096
6066_6066	6066	6066	23.338	17.985	0.095	0.005	-2.005	67.209
6066_6067	6066	6067	-22.156	-5.858	-0.095	-0.005	1.248	26.87
6067_6067	6067	6067	22.156	5.858	0.095	0.007	-1.248	-26.87
6067_6068	6067	6068	-20.977	6.254	-0.095	-0.007	0.492	23.922
6068_6068	6068	6068	20.977	-6.254	0.095	0.007	-0.492	-23.922
6068_6069	6068	6069	-19.797	18.365	-0.095	-0.007	-0.264	-75.875
6069_6069	6069	6069	19.799	17.738	0.047	0.003	0.264	75.999
6069_6070	6069	6070	-19.891	-5.991	-0.047	-0.003	-0.626	16.271
6070_6070	6070	6070	19.891	5.991	0.047	0.004	0.626	-16.271
6070_6071	6070	6071	-19.984	5.741	-0.047	-0.004	-0.987	17.495
6071_6071	6071	6071	19.962	-5.741	0.047	0.014	0.991	-17.476
6071_6072	6071	6072	-20.075	20.13	-0.047	-0.014	-1.433	-105.092
6072_6072	6072	6072	20.082	20.113	-0.024	0.007	1.433	105.098
6072_6073	6072	6073	-19.852	-1.178	0.024	-0.007	-1.135	27.347
6073_6073	6073	6073	19.852	1.178	-0.024	0.007	1.135	-27.347
6073_6074	6073	6074	-19.622	17.758	0.024	-0.007	-0.837	-76.926
6074_6074	6074	6074	19.624	14.525	-0.229	-0.004	0.837	76.976
6074_6075	6074	6075	-0.273	5.548	0.229	0.004	2.199	-38.598
6075_6075	6075	6075	45.052	-2.925	0.022	0.022	0.302	-33.226
6075_6076	6075	6076	-87.672	20.333	-0.022	-0.022	-0.56	-54.403
6076_6076	6076	6076	87.687	17.534	-0.025	-0.009	0.56	54.251
6076_6077	6076	6077	-85.26	-5.309	0.025	0.009	-0.352	37.338
6077_6077	6077	6077	85.185	5.309	-0.025	0.018	0.354	-37.211
6077_6078	6077	6078	-81.034	15.61	0.025	-0.018	0.004	-40.055
6078_6078	6078	6078	81.05	17.617	0.009	0.008	-0.004	39.928
6078_6079	6078	6079	-77.871	-1.03	-0.009	-0.008	-0.096	60.703
6079_6079	6079	6079	77.871	1.03	0.009	0.005	0.096	-60.703
6079_6080	6079	6080	-74.688	15.571	-0.009	-0.005	-0.195	-24.531
6080_6080	6080	6080	74.688	16.728	-0.002	0.003	0.195	24.545
6080_6081	6080	6081	-71.845	-0.13	0.002	-0.003	-0.169	66.534
6081_6081	6081	6081	71.845	0.13	-0.002	0.006	0.169	-66.534
6081_6082	6081	6082	-69.005	16.453	0.002	-0.006	-0.143	-28.172
6082_6082	6082	6082	68.965	18.015	0	0	0.143	28.501
6082_6083	6082	6083	-66.075	-0.172	0	0	-0.145	77.576
6083_6083	6083	6083	66.075	0.172	0	0.003	0.145	-77.576
6083_6084	6083	6084	-63.187	17.657	0	-0.003	-0.147	-31.083
6084_6084	6084	6084	63.185	16.686	-0.005	-0.001	0.147	31.096
6084_6085	6084	6085	-60.813	-0.092	0.005	0.001	-0.092	60.004
6085_6085	6085	6085	60.813	0.092	-0.005	-0.001	0.092	-60.004

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6085_6086	6085	6086	-58.441	16.502	0.005	0.001	-0.037	-34.77
6086_6086	6086	6086	58.462	16.211	0.01	-0.026	0.037	34.587
6086_6087	6086	6087	-54.86	0.383	-0.01	0.026	-0.147	49.699
6087_6087	6087	6087	54.86	-0.383	0.01	0.021	0.147	-49.699
6087_6088	6087	6088	-51.258	16.977	-0.01	-0.021	-0.257	-51.882
6088_6088	6088	6088	51.256	14.736	-0.019	-0.007	0.257	51.882
6088_6089	6088	6089	-53.685	5.383	0.019	0.007	-0.003	14.484
6089_6089	6089	6089	53.633	-5.383	-0.019	-0.004	0.004	-14.41
6089_6090	6089	6090	-55.109	17.615	0.019	0.004	0.151	-78.8
6090_6090	6090	6090	55.113	17.874	-0.001	-0.005	-0.151	78.664
6090_6091	6090	6091	-36.206	-0.468	0.001	0.005	0.168	6.019
6091_6091	6091	6091	36.027	1.353	0.007	-0.003	-0.252	-6.123
6091_6092	6091	6092	-40.338	17.983	-0.007	0.003	0.162	-99.524
6092_6092	6092	6092	40.327	18.106	0.02	0.002	-0.162	99.387
6092_6093	6092	6093	-39.664	0.132	-0.02	-0.002	-0.094	12.667
6093_6093	6093	6093	39.663	-0.132	0.02	-0.007	0.094	-12.667
6093_6094	6093	6094	-39	18.369	-0.02	0.007	-0.35	-103.202
6094_6094	6094	6094	38.99	19.111	-0.033	-0.004	0.35	103.198
6094_6095	6094	6095	-39.274	-5.24	0.033	0.004	-0.036	12.682
6095_6095	6095	6095	39.207	5.24	-0.033	-0.002	0.034	-12.598
6095_6096	6095	6096	-39.439	6.062	0.033	0.002	0.221	9.531
6096_6096	6096	6096	39.439	-6.062	-0.033	-0.003	-0.221	-9.531
6096_6097	6096	6097	-39.672	17.378	0.033	0.003	0.476	-81.236
6097_6097	6097	6097	39.672	18.026	0.018	0.003	-0.476	81.158
6097_6098	6097	6098	-38.976	-6.361	-0.018	-0.003	0.334	15.51
6098_6098	6098	6098	38.975	6.361	0.018	-0.015	-0.334	-15.51
6098_6099	6098	6099	-38.278	5.318	-0.018	0.015	0.19	18.875
6099_6099	6099	6099	38.278	-5.318	0.018	0.007	-0.19	-18.875
6099_6100	6099	6100	-37.581	16.984	-0.018	-0.007	0.048	-71.073
6100_6100	6100	6100	37.591	17.551	-0.004	-0.019	-0.048	71.2
6100_6101	6100	6101	-37.273	-8.791	0.004	0.019	0.073	7.467
6101_6101	6101	6101	37.273	8.791	-0.004	-0.027	-0.073	-7.467
6101_6102	6101	6102	-36.955	-0.031	0.004	0.027	0.097	33.548
6102_6102	6102	6102	36.955	0.031	-0.004	0.025	-0.097	-33.548
6102_6103	6102	6103	-36.637	8.729	0.004	-0.025	0.122	7.045
6103_6103	6103	6103	36.637	-8.729	-0.004	0.018	-0.122	-7.045
6103_6104	6103	6104	-36.319	17.474	0.004	-0.018	0.147	-71.863
6104_6104	6104	6104	36.32	17.178	-0.014	0.013	-0.147	71.867
6104_6105	6104	6105	-35.77	-5.499	0.014	-0.013	0.262	18.148
6105_6105	6105	6105	35.771	5.499	-0.014	-0.006	-0.262	-18.148
6105_6106	6105	6106	-35.221	6.18	0.014	0.006	0.378	14.687
6106_6106	6106	6106	35.221	-6.18	-0.014	-0.005	-0.378	-14.687
6106_6107	6106	6107	-34.673	17.845	0.014	0.005	0.493	-82.065
6107_6107	6107	6107	34.672	17.18	0.027	0.004	-0.493	82.083
6107_6108	6107	6108	-34.446	-5.866	-0.027	-0.004	0.283	7.161
6108_6108	6108	6108	34.446	5.866	0.027	0.004	-0.283	-7.161
6108_6109	6108	6109	-34.22	5.449	-0.027	-0.004	0.072	8.68
6109_6109	6109	6109	34.244	-5.449	0.027	-0.002	-0.073	-8.707
6109_6110	6109	6110	-33.967	19.303	-0.027	0.002	-0.185	-108.905
6110_6110	6110	6110	33.97	19.119	0.003	0.007	0.185	108.908
6110_6111	6110	6111	-34.718	-0.872	-0.003	-0.007	-0.224	16.386
6111_6111	6111	6111	34.718	0.872	0.003	-0.003	0.224	-16.386
6111_6112	6111	6112	-35.466	17.374	-0.003	0.003	-0.264	-86.468

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6112_6112	6112	6112	35.458	13.79	-0.112	0.004	0.264	86.382
6112_6113	6112	6113	-20.098	5.536	0.112	-0.004	1.215	-49.018
6113_6113	6113	6113	60.564	-3.257	0.006	0.003	0.148	-16.383
6113_6114	6113	6114	-101.667	20.37	-0.006	-0.003	-0.217	-74.614
6114_6114	6114	6114	101.676	17	-0.004	-0.007	0.217	74.627
6114_6115	6114	6115	-103.225	-4.986	0.004	0.007	-0.185	18.16
6115_6115	6115	6115	103.225	4.986	-0.004	0.012	0.185	-18.16
6115_6116	6115	6116	-105.873	15.547	0.004	-0.012	-0.131	-52.76
6116_6116	6116	6116	105.871	17.876	0	-0.026	0.131	52.775
6116_6117	6116	6117	-99.706	-1.566	0	0.026	-0.128	49.1
6117_6117	6117	6117	99.705	1.566	0	0.035	0.128	-49.1
6117_6118	6117	6118	-93.539	14.744	0	-0.035	-0.125	-31.728
6118_6118	6118	6118	93.572	16.818	-0.002	-0.032	0.125	31.499
6118_6119	6118	6119	-89.512	-0.51	0.002	0.032	-0.103	60.975
6119_6119	6119	6119	89.512	0.51	-0.002	0.038	0.103	-60.975
6119_6120	6119	6120	-85.455	15.784	0.002	-0.038	-0.082	-29.065
6120_6120	6120	6120	85.417	18.055	-0.002	-0.037	0.082	29.339
6120_6121	6120	6121	-80.452	-0.524	0.002	0.037	-0.056	76.839
6121_6121	6121	6121	80.452	0.524	-0.002	0.038	0.056	-76.839
6121_6122	6121	6122	-75.491	16.994	0.002	-0.038	-0.031	-27.912
6122_6122	6122	6122	75.49	16.674	-0.005	-0.033	0.031	27.911
6122_6123	6122	6123	-71.511	-0.367	0.005	0.033	0.022	62.949
6123_6123	6123	6123	71.512	0.367	-0.005	0.03	-0.022	-62.949
6123_6124	6123	6124	-67.533	15.941	0.005	-0.03	0.074	-28.847
6124_6124	6124	6124	67.532	16.208	0.006	-0.003	-0.074	28.856
6124_6125	6124	6125	-62.314	0.099	-0.006	0.003	0.009	55.242
6125_6125	6125	6125	62.314	-0.099	0.006	-0.003	-0.009	-55.242
6125_6126	6125	6126	-57.096	16.407	-0.006	0.003	-0.055	-43.313
6126_6126	6126	6126	57.093	14.505	-0.025	-0.011	0.055	43.312
6126_6127	6126	6127	-57.645	5.297	0.025	0.011	0.289	20.303
6127_6127	6127	6127	57.645	-5.297	-0.025	0.009	-0.289	-20.303
6127_6128	6127	6128	-57.98	17.309	0.025	-0.009	0.498	-72.339
6128_6128	6128	6128	57.983	17.8	0.039	-0.001	-0.498	72.175
6128_6129	6128	6129	-38.328	-0.692	-0.039	0.001	0.041	11.988
6129_6129	6129	6129	38.111	1.581	0.078	-0.007	-0.455	-11.86
6129_6130	6129	6130	-43.209	17.717	-0.078	0.007	-0.574	-89.723
6130_6130	6130	6130	43.199	17.338	-0.119	-0.005	0.574	89.612
6130_6131	6130	6131	-42.651	0.868	0.119	0.005	0.912	13.405
6131_6131	6131	6131	42.651	-0.868	-0.119	-0.005	-0.912	-13.405
6131_6132	6131	6132	-42.103	19.074	0.119	0.005	2.398	-111.154
6132_6132	6132	6132	41.066	18.378	0.191	0.003	-2.398	85.026
6132_6133	6132	6133	-40.918	-4.542	-0.191	-0.003	0.586	23.676
6133_6133	6133	6133	40.918	4.542	0.193	-0.014	-0.586	-23.676
6133_6134	6133	6134	-40.798	6.746	-0.193	0.014	-0.907	14.997
6134_6134	6134	6134	40.798	-6.746	0.19	0.002	0.907	-14.997
6134_6135	6134	6135	-40.678	18.034	-0.19	-0.002	-2.376	-81.161
6135_6135	6135	6135	40.716	18.356	-0.063	0.003	2.376	81.295
6135_6136	6135	6136	-39.938	-6.704	0.063	-0.003	-1.873	17.94
6136_6136	6136	6136	39.937	6.704	-0.06	-0.015	1.873	-17.94
6136_6137	6136	6137	-39.159	4.948	0.06	0.015	-1.393	23.955
6137_6137	6137	6137	39.16	-4.948	-0.063	0.01	1.393	-23.955
6137_6138	6137	6138	-38.381	16.601	0.063	-0.01	-0.89	-63.251
6138_6138	6138	6138	38.386	17.429	-0.021	-0.017	0.89	63.135

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6138_6139	6138	6139	-38.027	-8.69	0.021	0.017	-0.761	14.734
6139_6139	6139	6139	38.027	8.69	-0.017	-0.035	0.761	-14.734
6139_6140	6139	6140	-37.668	0.049	0.017	0.035	-0.657	40.167
6140_6140	6140	6140	37.668	-0.049	-0.021	0.025	0.657	-40.167
6140_6141	6140	6141	-37.309	8.788	0.021	-0.025	-0.528	13.163
6141_6141	6141	6141	37.309	-8.788	-0.021	0.025	0.528	-13.163
6141_6142	6141	6142	-36.95	17.527	0.021	-0.025	-0.399	-66.277
6142_6142	6142	6142	36.958	17.053	-0.041	0.009	0.399	66.172
6142_6143	6142	6143	-36.242	-5.401	0.041	-0.009	-0.074	22.636
6143_6143	6143	6143	36.242	5.401	-0.038	-0.014	0.074	-22.636
6143_6144	6143	6144	-35.525	6.251	0.038	0.014	0.226	18.224
6144_6144	6144	6144	35.525	-6.251	-0.041	0.003	-0.226	-18.224
6144_6145	6144	6145	-34.809	17.904	0.041	-0.003	0.55	-79.409
6145_6145	6145	6145	34.803	17.05	-0.001	0	-0.55	79.316
6145_6146	6145	6146	-35.105	-5.762	0.001	0	0.559	9.59
6146_6146	6146	6146	35.105	5.762	-0.004	0.005	-0.559	-9.59
6146_6147	6146	6147	-35.408	5.526	0.004	-0.005	0.593	11.011
6147_6147	6147	6147	35.488	-5.526	0	-0.004	-0.594	-11.101
6147_6148	6147	6148	-35.86	19.363	0	0.004	0.596	-106.501
6148_6148	6148	6148	35.862	19.368	0.023	0.007	-0.596	106.453
6148_6149	6148	6149	-35.915	-1.161	-0.023	-0.007	0.303	21.414
6149_6149	6149	6149	35.915	1.161	0.025	-0.006	-0.303	-21.414
6149_6150	6149	6150	-35.969	17.045	-0.025	0.006	-0.014	-78.307
6150_6150	6150	6150	35.958	13.091	-0.049	0.007	0.014	78.206
6150_6151	6150	6151	-16.42	6.208	0.049	-0.007	0.636	-55.141
6151_6151	6151	6151	66	-3.479	0	-0.006	-0.113	-25.327
6151_6152	6151	6152	-112.19	21.33	0	0.006	0.112	-67.845
6152_6152	6152	6152	112.193	17.23	0	0.016	-0.112	67.699
6152_6153	6152	6153	-114.273	-4.712	0	-0.016	0.111	25.33
6153_6153	6153	6153	114.465	4.712	0.001	-0.007	-0.112	-25.668
6153_6154	6153	6154	-117.943	16.177	-0.001	0.007	0.1	-48.768
6154_6154	6154	6154	117.944	18.373	0.002	0.002	-0.1	48.769
6154_6155	6154	6155	-110.808	-1.661	-0.002	-0.002	0.073	53.488
6155_6155	6155	6155	110.808	1.661	0.002	0.002	-0.073	-53.488
6155_6156	6155	6156	-103.673	15.05	-0.002	-0.002	0.046	-28.086
6156_6156	6156	6156	103.675	16.293	0.002	-0.033	-0.046	28.086
6156_6157	6156	6157	-99.096	-1.101	-0.002	0.033	0.025	53.869
6157_6157	6157	6157	99.096	1.101	0.001	0.035	-0.025	-53.869
6157_6158	6157	6158	-94.512	14.107	-0.001	-0.035	0.02	-16.249
6158_6158	6158	6158	94.539	15.013	0.002	0	-0.02	16.063
6158_6159	6158	6159	-90.158	0.179	-0.002	0	-0.003	53.307
6159_6159	6159	6159	90.158	-0.179	0.002	0	0.003	-53.307
6159_6160	6159	6160	-85.772	15.386	-0.002	0	-0.027	-29.408
6160_6160	6160	6160	85.774	16.431	0.001	-0.001	0.027	29.409
6160_6161	6160	6161	-79.475	0.281	-0.001	0.001	-0.04	52.317
6161_6161	6161	6161	79.475	-0.281	0.001	-0.001	0.04	-52.317
6161_6162	6161	6162	-73.176	16.992	-0.001	0.001	-0.053	-49.79
6162_6162	6162	6162	73.178	15.457	0.003	-0.006	0.053	49.79
6162_6163	6162	6163	-72.639	5.417	-0.003	0.006	-0.088	19.459
6163_6163	6163	6163	72.787	-5.417	0.002	0.006	0.089	-19.665
6163_6164	6163	6164	-72.467	17.95	-0.002	-0.006	-0.103	-76.565
6164_6164	6164	6164	72.457	18.751	0.002	0.001	0.103	76.689
6164_6165	6164	6165	-50.436	-0.9	-0.002	-0.001	-0.121	11.232

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6165_6165	6165	6165	50.177	1.764	-0.005	-0.003	0.162	-10.831
6165_6166	6165	6166	-54.258	18.902	0.005	0.003	-0.1	-97.986
6166_6166	6166	6166	54.261	19.161	-0.004	0.005	0.1	97.986
6166_6167	6166	6167	-54.076	0.336	0.004	-0.005	-0.049	19.861
6167_6167	6167	6167	54.075	-0.336	-0.003	-0.009	0.049	-19.861
6167_6168	6167	6168	-53.89	19.832	0.003	0.009	-0.018	-106.006
6168_6168	6168	6168	53.885	20.435	0	0.006	0.018	106.007
6168_6169	6168	6169	-54.472	-5.618	0	-0.006	-0.021	18.225
6169_6169	6169	6169	54.55	5.618	0.002	-0.005	0.022	-18.319
6169_6170	6169	6170	-55.029	6.47	-0.002	0.005	-0.034	15.405
6170_6170	6170	6170	55.029	-6.47	0.002	-0.005	0.034	-15.405
6170_6171	6170	6171	-55.508	18.558	-0.002	0.005	-0.046	-81.191
6171_6171	6171	6171	55.492	19.491	-0.002	0.006	0.046	81.093
6171_6172	6171	6172	-54.349	-7.013	0.002	-0.006	-0.029	23.681
6172_6172	6172	6172	54.349	7.013	0	-0.02	0.029	-23.681
6172_6173	6172	6173	-53.207	5.464	0	0.02	-0.031	28.629
6173_6173	6173	6173	53.207	-5.464	-0.002	0.012	0.031	-28.629
6173_6174	6173	6174	-52.064	17.942	0.002	-0.012	-0.015	-66.249
6174_6174	6174	6174	52.071	18.793	-0.001	0	0.015	66.151
6174_6175	6174	6175	-51.589	-9.435	0.001	0	-0.011	17.985
6175_6175	6175	6175	51.589	9.435	-0.001	0	0.011	-17.985
6175_6176	6175	6176	-51.107	-0.077	0.001	0	-0.007	45.969
6176_6176	6176	6176	51.107	0.077	-0.001	0	0.007	-45.969
6176_6177	6176	6177	-50.625	9.282	0.001	0	-0.004	17.801
6177_6177	6177	6177	50.625	-9.282	-0.001	0	0.004	-17.801
6177_6178	6177	6178	-50.142	18.64	0.001	0	0	-66.519
6178_6178	6178	6178	50.149	18.291	0	-0.012	0	66.42
6178_6179	6178	6179	-49.315	-5.813	0	0.012	-0.001	28.984
6179_6179	6179	6179	49.314	5.813	-0.002	0.018	0.001	-28.984
6179_6180	6179	6180	-48.48	6.664	0.002	-0.018	0.016	24.564
6180_6180	6180	6180	48.48	-6.664	0	-0.006	-0.016	-24.564
6180_6181	6180	6181	-47.646	19.142	0	0.006	0.015	-79.682
6181_6181	6181	6181	47.632	18.25	0	0.007	-0.015	79.586
6181_6182	6181	6182	-47.683	-6.162	0	-0.007	0.013	15.225
6182_6182	6182	6182	47.682	6.162	0.003	-0.006	-0.013	-15.225
6182_6183	6182	6183	-47.732	5.926	-0.003	0.006	-0.007	16.35
6183_6183	6183	6183	47.839	-5.926	0.001	0.001	0.007	-16.466
6183_6184	6183	6184	-47.901	20.743	-0.001	-0.001	-0.021	-109.958
6184_6184	6184	6184	47.877	20.637	-0.01	0.002	0.021	109.855
6184_6185	6184	6185	-47.831	-1.14	0.01	-0.002	0.103	25.819
6185_6185	6185	6185	47.831	1.14	-0.01	0.002	-0.103	-25.819
6185_6186	6185	6186	-47.785	18.341	0.01	-0.002	0.227	-82.036
6186_6186	6186	6186	47.802	15.04	0.015	-0.004	-0.227	82.142
6186_6187	6186	6187	-30.292	5.626	-0.015	0.004	0.03	-39.762
6187_6187	6187	6187	75.53	-3.258	0	0.007	0.007	-34.203
6187_6188	6187	6188	-121.396	22.375	0	-0.007	-0.012	-61.04
6188_6188	6188	6188	121.392	19.12	-0.001	-0.052	0.012	61.181
6188_6189	6188	6189	-118.041	-5.697	0.001	0.052	-0.002	37.451
6189_6189	6189	6189	119.364	5.688	-0.003	0.034	0	-36.154
6189_6190	6189	6190	-113.732	16.683	0.003	-0.034	0.04	-45.566
6190_6190	6190	6190	113.733	19.279	0.002	0.001	-0.04	45.567
6190_6191	6190	6191	-108.361	-1.382	-0.002	-0.001	0.017	61.553
6191_6191	6191	6191	108.361	1.382	0.002	0.001	-0.017	-61.553

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6191_6192	6191	6192	-102.99	16.514	-0.002	-0.001	-0.006	-28.192
6192_6192	6192	6192	102.992	17.279	0	0.001	0.006	28.193
6192_6193	6192	6193	-98.668	-1.01	0	-0.001	-0.007	58.075
6193_6193	6193	6193	98.668	1.01	0	0	0.007	-58.075
6193_6194	6193	6194	-94.339	15.275	0	0	-0.008	-18.512
6194_6194	6194	6194	94.341	15.981	0.003	-0.001	0.008	18.514
6194_6195	6194	6195	-90.318	0.304	-0.003	0.001	-0.039	55.107
6195_6195	6195	6195	90.318	-0.304	0.003	-0.001	0.039	-55.107
6195_6196	6195	6196	-86.295	16.59	-0.003	0.001	-0.071	-34.295
6196_6196	6196	6196	86.303	17.535	-0.002	-0.002	0.071	34.296
6196_6197	6196	6197	-80.409	0.361	0.002	0.002	-0.046	53.054
6197_6197	6197	6197	80.409	-0.361	-0.002	-0.002	0.046	-53.054
6197_6198	6197	6198	-74.515	18.257	0.002	0.002	-0.021	-56.46
6198_6198	6198	6198	74.517	16.513	0.001	0.01	0.021	56.462
6198_6199	6198	6199	-75.523	5.841	-0.001	-0.01	-0.036	18.268
6199_6199	6199	6199	75.628	-5.841	0.003	-0.023	0.038	-18.407
6199_6200	6199	6200	-76.234	19.263	-0.003	0.023	-0.062	-84.301
6200_6200	6200	6200	76.234	20.221	-0.005	-0.002	0.062	84.303
6200_6201	6200	6201	-52.398	-1.104	0.005	0.002	-0.007	11.701
6201_6201	6201	6201	53.109	2.063	-0.02	-0.002	0.14	-12.957
6201_6202	6201	6202	-57.479	20.337	0.02	0.002	0.125	-103.339
6202_6202	6202	6202	57.481	20.643	0.03	-0.001	-0.125	103.338
6202_6203	6202	6203	-57.455	0.488	-0.03	0.001	-0.255	23.19
6203_6203	6203	6203	57.455	-0.488	0.03	-0.001	0.255	-23.19
6203_6204	6203	6204	-57.428	21.62	-0.03	0.001	-0.635	-114.434
6204_6204	6204	6204	57.423	22.122	-0.021	0.001	0.635	114.436
6204_6205	6204	6205	-58.141	-6.062	0.021	-0.001	-0.436	19.973
6205_6205	6205	6205	58.31	6.062	-0.02	-0.011	0.444	-20.154
6205_6206	6205	6206	-58.894	7.039	0.02	0.011	-0.289	16.8
6206_6206	6206	6206	58.894	-7.039	-0.022	0.008	0.289	-16.8
6206_6207	6206	6207	-59.478	20.141	0.022	-0.008	-0.118	-88.095
6207_6207	6207	6207	59.479	20.94	-0.036	-0.007	0.118	88.093
6207_6208	6207	6208	-58.556	-7.416	0.036	0.007	0.17	24.26
6208_6208	6208	6208	58.556	7.416	-0.038	0.02	-0.17	-24.26
6208_6209	6208	6209	-57.634	6.108	0.038	-0.02	0.473	28.417
6209_6209	6209	6209	57.633	-6.108	-0.036	-0.012	-0.473	-28.417
6209_6210	6209	6210	-56.711	19.633	0.036	0.012	0.762	-75.622
6210_6210	6210	6210	56.71	20.365	-0.008	0.002	-0.762	75.623
6210_6211	6210	6211	-56.336	-10.222	0.008	-0.002	0.807	15.659
6211_6211	6211	6211	56.336	10.222	-0.008	0.002	-0.807	-15.659
6211_6212	6211	6212	-55.961	-0.078	0.008	-0.002	0.853	46.079
6212_6212	6212	6212	55.961	0.078	-0.008	0.002	-0.853	-46.079
6212_6213	6212	6213	-55.587	10.065	0.008	-0.002	0.898	15.639
6213_6213	6213	6213	55.587	-10.065	-0.008	0.002	-0.898	-15.639
6213_6214	6213	6214	-55.213	20.208	0.008	-0.002	0.944	-75.663
6214_6214	6214	6214	55.211	19.956	0.028	0.003	-0.944	75.66
6214_6215	6214	6215	-54.537	-6.432	-0.028	-0.003	0.722	28.936
6215_6215	6215	6215	54.537	6.432	0.028	0.003	-0.722	-28.936
6215_6216	6215	6216	-53.864	7.092	-0.028	-0.003	0.5	25.338
6216_6216	6216	6216	53.864	-7.092	0.028	0.003	-0.5	-25.338
6216_6217	6216	6217	-53.19	20.616	-0.028	-0.003	0.278	-86.455
6217_6217	6217	6217	53.197	19.815	0.018	0.016	-0.278	86.45
6217_6218	6217	6218	-53.04	-6.714	-0.018	-0.016	0.138	16.433

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6218_6218	6218	6218	53.039	6.714	0.02	0.001	-0.138	-16.433
6218_6219	6218	6219	-52.882	6.388	-0.02	-0.001	-0.018	17.776
6219_6219	6219	6219	52.927	-6.388	0.02	0	0.017	-17.819
6219_6220	6219	6220	-52.735	22.431	-0.02	0	-0.21	-118.828
6220_6220	6220	6220	52.686	22.431	0.055	0.003	0.21	118.832
6220_6221	6220	6221	-52.458	-1.298	-0.055	-0.003	-0.895	28.58
6221_6221	6221	6221	52.458	1.298	0.055	0.003	0.895	-28.58
6221_6222	6221	6222	-52.23	19.835	-0.055	-0.003	-1.579	-88.205
6222_6222	6222	6222	52.217	16.747	-0.484	-0.005	1.579	88.195
6222_6223	6222	6223	-36.251	5.654	0.484	0.005	4.83	-33.4
6223_6223	6223	6223	75.792	-3.315	0.006	0.016	-0.181	-30.081
6223_6224	6223	6224	-121.71	24.021	-0.006	-0.016	0.109	-76.72
6224_6224	6224	6224	121.742	21.459	0.018	0.041	-0.109	76.591
6224_6225	6224	6225	-118.634	-6.934	-0.018	-0.041	-0.042	37.17
6225_6225	6225	6225	118.856	6.933	0.019	-0.017	0.042	-37.543
6225_6226	6225	6226	-113.123	19.86	-0.019	0.017	-0.326	-66.763
6226_6226	6226	6226	113.116	21.743	-0.004	0.26	0.326	66.869
6226_6227	6226	6227	-108.192	-1.067	0.004	-0.26	-0.283	61.274
6227_6227	6227	6227	108.19	1.067	0	-0.256	0.283	-61.275
6227_6228	6227	6228	-103.265	19.613	0	0.256	-0.287	-53.259
6228_6228	6228	6228	103.259	20.855	0.018	0.03	0.287	53.214
6228_6229	6228	6229	-99.49	-0.188	-0.018	-0.03	-0.492	65.915
6229_6229	6229	6229	99.49	0.188	0.018	-0.033	0.492	-65.915
6229_6230	6229	6230	-95.718	20.498	-0.018	0.033	-0.704	-57.6
6230_6230	6230	6230	95.783	21.249	-0.022	0.295	0.704	57.466
6230_6231	6230	6231	-90.637	0.159	0.022	-0.295	-0.433	64.745
6231_6231	6231	6231	90.623	-0.159	-0.017	-0.298	0.433	-64.744
6231_6232	6231	6232	-85.475	21.576	0.017	0.298	-0.22	-73.263
6232_6232	6232	6232	85.409	21.156	0.037	-0.017	0.22	73.349
6232_6233	6232	6233	-82.745	0.919	-0.037	0.017	-0.69	50.361
6233_6233	6233	6233	83.025	-0.92	0.035	-0.001	0.681	-50.71
6233_6234	6233	6234	-80.658	20.506	-0.035	0.001	-1.071	-71.094
6234_6234	6234	6234	84.705	19.176	-0.092	0.058	1.071	67.977
6234_6235	6234	6235	-65.604	-1.23	0.092	-0.058	-0.137	12.016
6235_6235	6235	6235	62.805	2.135	-0.292	-0.066	1.98	-7.596
6235_6236	6235	6236	-66.371	16.447	0.292	0.066	0.917	-59.772
6236_6236	6236	6236	66.181	16.889	0.23	0.009	-0.917	59.915
6236_6237	6236	6237	-65.887	1.109	-0.23	-0.009	-1.291	16.611
6237_6237	6237	6237	65.889	-1.109	0.23	-0.006	1.291	-16.611
6237_6238	6237	6238	-65.567	20.76	-0.23	0.006	-3.705	-97.379
6238_6238	6238	6238	65.727	23.583	-0.172	0.135	3.705	97.488
6238_6239	6238	6239	-67.12	-0.103	0.172	-0.135	-1.548	51.709
6239_6239	6239	6239	67.305	0.104	-0.171	-0.152	1.548	-51.902
6239_6240	6239	6240	-68.627	22.297	0.171	0.152	0.492	-80.176
6240_6240	6240	6240	68.566	20.462	-0.07	0.028	-0.492	80.15
6240_6241	6240	6241	-67.238	-1.768	0.07	-0.028	1.191	29.572
6241_6241	6241	6241	67.238	1.768	-0.069	-0.024	-1.191	-29.572
6241_6242	6241	6242	-65.957	16.271	0.069	0.024	1.86	-41.477
6242_6242	6242	6242	65.95	17.827	-0.066	0.007	-1.86	41.539
6242_6243	6242	6243	-65.331	1.356	0.066	-0.007	2.54	42.048
6243_6243	6243	6243	65.331	-1.356	-0.066	0.004	-2.54	-42.048
6243_6244	6243	6244	-64.765	18.924	0.066	-0.004	3.162	-53.799
6244_6244	6244	6244	64.75	19.026	0.091	0.178	-3.162	53.78

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6244_6245	6244	6245	-64.256	-1.525	-0.091	-0.178	2.31	41.562
6245_6245	6245	6245	64.255	1.525	0.094	-0.148	-2.31	-41.562
6245_6246	6245	6246	-63.712	17.721	-0.094	0.148	1.348	-42.43
6246_6246	6246	6246	63.695	16.085	-0.198	-0.001	-1.348	42.451
6246_6247	6246	6247	-62.958	2.729	0.198	0.001	3.333	23.64
6247_6247	6247	6247	62.958	-2.729	-0.198	0.008	-3.333	-23.64
6247_6248	6247	6248	-62.255	20.657	0.198	-0.008	5.226	-89.269
6248_6248	6248	6248	62.27	22.305	0.458	0.265	-5.226	89.334
6248_6249	6248	6249	-62.858	2.546	-0.458	-0.265	-0.858	42.511
6249_6249	6249	6249	62.95	-2.546	0.463	-0.301	0.857	-42.6
6249_6250	6249	6250	-63.448	23.572	-0.463	0.301	-6.056	-103.413
6250_6250	6250	6250	63.495	21.893	-0.301	-0.005	6.056	103.431
6250_6251	6250	6251	-62.844	0.659	0.301	0.005	-2.431	23.317
6251_6251	6251	6251	62.844	-0.659	-0.301	0.011	2.431	-23.317
6251_6252	6251	6252	-62.327	18.594	0.301	-0.011	0.454	-69.775
6252_6252	6252	6252	62.328	18.186	0.059	-0.015	-0.454	69.748
6252_6253	6252	6253	-49.274	3.389	-0.059	0.015	-0.221	0.167
6253_6253	6253	6253	49.272	-3.389	0.06	0.032	0.221	-0.168
6253_6254	6253	6254	-37.83	22.298	-0.06	-0.032	-0.823	-142.957
6254_6254	6254	6254	95.027	19.923	-0.024	0.003	0.599	50.038
6254_6255	6254	6255	-117.254	2.205	0.024	-0.003	-0.334	76.361
6255_6255	6255	6255	117.35	-2.202	-0.024	0.013	0.333	-76.514
6255_6256	6255	6256	-143.774	28.491	0.024	-0.013	-0.018	-95.304
6256_6256	6256	6256	143.773	23.785	0.022	0.278	0.018	95.342
6256_6257	6256	6257	-144.927	-1.059	-0.022	-0.278	-0.274	48.989
6257_6257	6257	6257	144.933	1.059	0.022	-0.26	0.274	-48.985
6257_6258	6257	6258	-146.092	21.768	-0.022	0.26	-0.531	-69.116
6258_6258	6258	6258	146.087	21.66	0.004	0.026	0.531	69.311
6258_6259	6258	6259	-151.968	1.459	-0.004	-0.026	-0.58	55.938
6259_6259	6259	6259	151.968	-1.459	0.004	-0.022	0.58	-55.937
6259_6260	6259	6260	-157.677	23.902	-0.004	0.022	-0.627	-81.189
6260_6260	6260	6260	157.675	20.904	0.007	0.339	0.627	81.368
6260_6261	6260	6261	-165.387	1.824	-0.007	-0.339	-0.714	37.598
6261_6261	6261	6261	165.398	-1.824	0.007	-0.353	0.714	-37.59
6261_6262	6261	6262	-173.148	24.664	-0.007	0.353	-0.8	-106.177
6262_6262	6262	6262	173.18	23.361	-0.003	-0.042	0.8	106.03
6262_6263	6262	6263	-166.597	-0.999	0.003	0.042	-0.766	23.944
6263_6263	6263	6263	166.789	0.997	-0.002	-0.003	0.786	-24.321
6263_6264	6263	6264	-159.384	24.14	0.002	0.003	-0.756	-131.685
6264_6264	6264	6264	159.409	26.704	-0.013	0.005	0.756	131.808
6264_6265	6264	6265	-138.364	-0.594	0.013	-0.005	-0.585	23.666
6265_6265	6265	6265	138.365	0.594	-0.013	-0.061	0.585	-23.665
6265_6266	6265	6266	-120.041	22.14	0.013	0.061	-0.437	-121.892
6266_6266	6266	6266	120.089	23.631	0.062	0.005	0.437	121.865
6266_6267	6266	6267	-114.244	-2.63	-0.062	-0.005	-1.095	9.449
6267_6267	6267	6267	114.25	2.63	0.062	-0.047	1.095	-9.451
6267_6268	6267	6268	-109.535	14.31	-0.062	0.047	-1.627	-47.242
6268_6268	6268	6268	64.475	21.459	-0.201	-0.016	2.441	121.118
6268_6269	6268	6269	-78.88	3.941	0.201	0.016	0.102	6.011
6269_6269	6269	6269	78.908	-3.94	-0.201	-0.014	-0.101	-6.043
6269_6270	6269	6270	-91.315	25.814	0.201	0.014	2.292	-141.984
6270_6270	6270	6270	91.312	34.117	0.096	0.44	-2.292	141.915
6270_6271	6270	6271	-56.446	-10.685	-0.096	-0.44	1.176	81.968

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6271_6271	6271	6271	56.445	10.685	0.096	-0.431	-1.176	-81.97
6271_6272	6271	6272	-19.712	14.002	-0.096	0.431	0	22.007
6372_6372	6372	6372	17.854	10.274	-0.23	0.007	0	-23.951
6372_6373	6372	6373	-50.998	8.226	0.23	-0.007	2.85	73.135
6373_6373	6373	6373	50.998	-8.226	-0.23	-0.013	-2.85	-73.135
6373_6374	6373	6374	-82.1	25.586	0.23	0.013	5.523	-89.023
6374_6374	6374	6374	82.113	19.079	0.334	-0.005	-5.523	89.018
6374_6375	6374	6375	-72.618	-2.526	-0.334	0.005	1.822	20.088
6375_6375	6375	6375	72.618	2.526	0.334	0.011	-1.822	-20.087
6375_6376	6375	6376	-64.084	12.352	-0.334	-0.011	-1.506	-38.338
6376_6376	6376	6376	64.085	14.063	0.009	0.145	1.506	38.324
6376_6377	6376	6377	-66.361	3.449	-0.009	-0.145	-1.615	26.085
6377_6377	6377	6377	66.358	-3.449	0.009	-0.124	1.615	-26.087
6377_6378	6377	6378	-68.566	20.44	-0.009	0.124	-1.721	-107.584
6378_6378	6378	6378	68.473	19.513	-0.064	-0.017	1.715	106.419
6378_6379	6378	6379	-67.67	0.094	0.064	0.017	-0.875	20.308
6379_6379	6379	6379	67.67	-0.094	-0.064	-0.021	0.875	-20.308
6379_6380	6379	6380	-67.015	16.07	0.064	0.021	-0.19	-66.669
6380_6380	6380	6380	67.013	15.76	-0.073	0.028	0.19	66.532
6380_6381	6380	6381	-65.461	0.351	0.073	-0.028	0.597	14.422
6381_6381	6381	6381	65.459	-0.351	-0.071	-0.038	-0.597	-14.423
6381_6382	6381	6382	-64.066	14.804	0.071	0.038	1.287	-60.782
6382_6382	6382	6382	64.053	17.872	0.05	0.001	-1.287	61.3
6382_6383	6382	6383	-58.631	-0.726	-0.05	-0.001	0.714	39.167
6383_6383	6383	6383	58.631	0.726	0.05	0.016	-0.714	-39.167
6383_6384	6383	6384	-53.176	16.526	-0.05	-0.016	0.139	-58.333
6384_6384	6384	6384	71.603	17.368	-0.015	0	0.223	28.386
6384_6385	6384	6385	-61.76	-1.122	0.015	0	-0.061	60.678
6385_6385	6385	6385	61.761	1.122	-0.015	0.033	0.061	-60.678
6385_6386	6385	6386	-51.395	15.986	0.015	-0.033	0.112	-38.083
6386_6386	6386	6386	51.398	17.97	0.009	0.283	-0.112	38.049
6386_6387	6386	6387	-54.405	-0.908	-0.009	-0.283	0.003	74.567
6387_6387	6387	6387	54.402	0.908	0.011	-0.219	-0.003	-74.569
6387_6388	6387	6388	-57.659	17.573	-0.011	0.219	-0.136	-25.101
6388_6388	6388	6388	57.662	17.922	-0.007	-0.001	0.136	25.196
6388_6389	6388	6389	-58.583	0.454	0.007	0.001	-0.044	84.338
6389_6389	6389	6389	58.583	-0.454	-0.008	0.052	0.044	-84.338
6389_6390	6389	6390	-59.443	17.608	0.008	-0.052	0.043	-19.074
6390_6390	6390	6390	59.445	17.688	0.026	0.28	-0.043	19.109
6390_6391	6390	6391	-60.794	1.481	-0.026	-0.28	-0.289	87.454
6391_6391	6391	6391	60.792	-1.481	0.027	-0.278	0.289	-87.456
6391_6392	6391	6392	-61.943	17.84	-0.027	0.278	-0.588	-17.728
6392_6392	6392	6392	61.943	17.327	-0.054	0.034	0.588	17.761
6392_6393	6392	6393	-63.413	0.3	0.054	-0.034	0.057	85.287
6393_6393	6393	6393	63.413	-0.3	-0.054	0.007	-0.057	-85.287
6393_6394	6393	6394	-64.905	18.205	0.054	-0.007	0.712	-24.719
6394_6394	6394	6394	64.912	17.423	0.18	0.313	-0.712	24.255
6394_6395	6394	6395	-65.204	0.169	-0.18	-0.313	-1.426	78.591
6395_6395	6395	6395	65.205	-0.169	0.182	-0.277	1.426	-78.593
6395_6396	6395	6396	-65.503	18.091	-0.182	0.277	-3.625	-31.404
6396_6396	6396	6396	65.489	15.777	-0.619	0.03	3.625	31.466
6396_6397	6396	6397	-72.926	2.065	0.619	-0.03	3.831	59.661
6397_6397	6397	6397	72.925	-2.065	-0.619	-0.014	-3.831	-59.661

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6397_6398	6397	6398	-80.292	19.742	0.619	0.014	11.217	-61.926
6398_6398	6398	6398	80.283	22.636	0.558	0.547	-11.217	61.976
6398_6399	6398	6399	-41.536	-4.022	-0.558	-0.547	4.206	61.89
6399_6399	6399	6399	41.536	4.022	0.564	-0.889	-4.206	-61.895
6399_6400	6399	6400	-18.55	7.021	-0.564	0.889	0	24.873
6572_6572	6572	6572	17.859	10.199	-0.128	0.003	0	-24.002
6572_6573	6572	6573	-51.273	8.309	0.128	-0.003	1.587	72.492
6573_6573	6573	6573	51.273	-8.309	-0.128	-0.003	-1.587	-72.492
6573_6574	6573	6574	-82.407	25.554	0.128	0.003	3.066	-88.651
6574_6574	6574	6574	82.416	19.168	0.023	-0.001	-3.066	88.611
6574_6575	6574	6575	-72.443	-2.899	-0.023	0.001	2.814	20.488
6575_6575	6575	6575	72.443	2.899	0.023	0	-2.814	-20.488
6575_6576	6575	6576	-63.43	11.803	-0.023	0	2.586	-33.293
6576_6576	6576	6576	63.421	13.521	0.286	0.135	-2.586	33.244
6576_6577	6576	6577	-66.738	4.164	-0.286	-0.135	-0.797	25.421
6577_6577	6577	6577	66.741	-4.164	0.286	-0.149	0.797	-25.422
6577_6578	6577	6578	-69.958	21.316	-0.286	0.149	-4.078	-117.623
6578_6578	6578	6578	70.381	20.439	-0.198	0.004	4.072	119.205
6578_6579	6578	6579	-68.463	-1.192	0.198	-0.004	-1.515	18.254
6579_6579	6579	6579	68.463	1.192	-0.199	-0.003	1.515	-18.254
6579_6580	6579	6580	-66.848	15.019	0.199	0.003	0.639	-58.321
6580_6580	6580	6580	66.856	15.526	0.002	0.057	-0.639	58.461
6580_6581	6580	6581	-65.203	0.348	-0.002	-0.057	0.616	19.934
6581_6581	6581	6581	65.202	-0.348	0	-0.056	-0.616	-19.934
6581_6582	6581	6582	-63.681	14.963	0	0.056	0.612	-57.004
6582_6582	6582	6582	63.706	17.575	0.004	0.034	-0.612	56.679
6582_6583	6582	6583	-59.571	-0.838	-0.004	-0.034	0.572	41.805
6583_6583	6583	6583	59.571	0.838	0.003	-0.002	-0.572	-41.805
6583_6584	6583	6584	-55.254	16.638	-0.003	0.002	0.534	-55.431
6584_6584	6584	6584	73.337	17.484	0.014	0.022	-0.296	26.383
6584_6585	6584	6585	-62.339	-1.461	-0.014	-0.022	0.145	62.33
6585_6585	6585	6585	62.339	1.461	0.014	0.02	-0.145	-62.33
6585_6586	6585	6586	-50.507	15.776	-0.014	-0.02	-0.018	-35.682
6586_6586	6586	6586	50.519	17.811	0.004	0.237	0.018	35.856
6586_6587	6586	6587	-54	-0.951	-0.004	-0.237	-0.058	75.39
6587_6587	6587	6587	53.999	0.951	0.002	-0.167	0.058	-75.392
6587_6588	6587	6588	-57.835	17.626	-0.002	0.167	-0.085	-24.18
6588_6588	6588	6588	57.826	17.776	0.003	0.008	0.085	23.729
6588_6589	6588	6589	-58.78	0.424	-0.003	-0.008	-0.128	84.107
6589_6589	6589	6589	58.78	-0.424	0.004	0.043	0.128	-84.107
6589_6590	6589	6590	-59.682	17.646	-0.004	-0.043	-0.169	-19.699
6590_6590	6590	6590	59.688	17.597	-0.004	0.293	0.169	19.298
6590_6591	6590	6591	-61.113	1.458	0.004	-0.293	-0.122	86.25
6591_6591	6591	6591	61.11	-1.458	-0.005	-0.294	0.122	-86.252
6591_6592	6591	6592	-62.333	17.81	0.005	0.294	-0.065	-18.534
6592_6592	6592	6592	62.332	17.356	0.043	0.024	0.065	19.251
6592_6593	6592	6593	-63.796	0.035	-0.043	-0.024	-0.569	84.144
6593_6593	6593	6593	63.796	-0.035	0.043	0.009	0.569	-84.144
6593_6594	6593	6594	-65.314	18.069	-0.043	-0.009	-1.091	-24.207
6594_6594	6594	6594	65.315	17.087	-0.169	0.268	1.091	24.209
6594_6595	6594	6595	-65.929	0.513	0.169	-0.268	0.92	74.989
6595_6595	6595	6595	65.925	-0.513	-0.171	-0.245	-0.92	-74.991
6595_6596	6595	6596	-66.546	18.317	0.171	0.245	2.972	-37.348

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6596_6596	6596	6596	66.555	16.607	0.676	-0.009	-2.972	37.556
6596_6597	6596	6597	-73.221	1.2	-0.676	0.009	-5.146	62.542
6597_6597	6597	6597	73.221	-1.2	0.676	0.014	5.146	-62.542
6597_6598	6597	6598	-79.811	18.805	-0.676	-0.014	-13.174	-48.87
6598_6598	6598	6598	79.812	20.862	-0.788	0.013	13.174	48.852
6598_6599	6598	6599	-34.154	-2.301	0.788	-0.013	-3.306	45.154
6599_6599	6599	6599	34.151	2.301	-0.788	-0.041	3.306	-45.155
6599_6600	6599	6600	-18.861	3.915	0.788	0.041	0	24.666
7000_7000	7000	7000	62.55	449.74	2.995	3.121	0	-347.775
7000_7001	7000	7001	-53.749	-419.103	-2.995	-3.121	-31.465	4871.669
7001_7001	7001	7001	53.749	419.103	2.995	3.143	31.465	-4871.67
7001_7002	7001	7002	-45.877	-391.703	-2.995	-3.143	-59.605	8644.872
7002_7002	7002	7002	45.842	335.098	-2.665	8.337	59.605	-8644.86
7002_7003	7002	7003	-39.437	-299.791	2.665	-8.337	-27.337	12459.56
7003_7003	7003	7003	39.433	299.791	-2.665	-2.758	27.337	-12459.6
7003_7004	7003	7004	-33.024	-264.46	2.665	2.758	4.958	15849.02
7004_7004	7004	7004	33.041	219.825	-0.085	17.351	-4.958	-15849.1
7004_7005	7004	7005	-27.176	-184.526	0.085	-17.351	5.984	18270.06
7005_7005	7005	7005	27.176	184.526	-0.085	-13.527	-5.984	-18270.1
7005_7006	7005	7006	-21.307	-149.207	0.085	13.527	7.017	20264.78
7006_7006	7006	7006	21.308	106.691	0.974	18.843	-7.017	-20264.9
7006_7007	7006	7007	-17.575	-71.375	-0.974	-18.843	-4.784	21326.67
7007_7007	7007	7007	17.577	71.375	0.974	-17.209	4.784	-21326.7
7007_7008	7007	7008	-13.842	-36.038	-0.974	17.209	-16.586	21960.99
7008_7008	7008	7008	13.838	-6.021	-0.356	18.068	16.586	-21961.1
7008_7009	7008	7009	-12.672	41.326	0.356	-18.068	-12.271	21669.88
7009_7009	7009	7009	12.671	-41.326	-0.357	-18.501	12.271	-21669.9
7009_7010	7009	7010	-11.505	76.652	0.357	18.501	-7.947	20950.64
7010_7010	7010	7010	11.512	-117.696	0.694	14.118	7.947	-20950.9
7010_7011	7010	7011	-12.794	153.019	-0.694	-14.118	-16.352	19317.94
7011_7011	7011	7011	12.795	-153.019	0.693	-16.419	16.352	-19317.9
7011_7012	7011	7012	-14.076	188.334	-0.693	16.419	-24.75	17257.62
7012_7012	7012	7012	14.075	-230.347	0.542	9.998	24.75	-17257.7
7012_7013	7012	7013	-17.83	265.659	-0.542	-9.998	-31.311	14272.74
7013_7013	7013	7013	17.83	-265.659	0.541	-13.666	31.311	-14272.7
7013_7014	7013	7014	-21.587	300.993	-0.541	13.666	-37.87	10857.86
7014_7014	7014	7014	21.591	-344.315	0.236	1.544	37.87	-10858
7014_7015	7014	7015	-25.838	390.511	-0.236	-1.544	-41.602	5058.096
7015_7015	7015	7015	24.497	-389.419	0.154	-4.382	40.516	-5013.77
7015_7016	7015	7016	-28.363	411.909	-0.154	4.386	-41.789	1714.91
7016_7016	7016	7016	62.544	-459.707	0.182	-3.911	46.088	-1834.1
7016_7017	7016	7017	-72.2	491.807	-0.182	3.92	-48.225	-3721.55
7017_7017	7017	7017	86.435	-489.64	0.18	1.92	48.538	3719.059
7017_7018	7017	7018	-96.11	528.523	-0.18	-1.905	-50.932	-10434
7018_7018	7018	7018	115.162	-574.344	-0.683	-21.086	49.044	10434.23
7018_7019	7018	7019	-123.744	612.904	0.683	21.039	-40.481	-17841.7
7019_7019	7019	7019	140.58	-609.671	-0.684	20.268	44.855	17842.52
7019_7020	7019	7020	-148.161	650.709	0.684	-20.32	-36.248	-25730.1
7020_7020	7020	7020	-2391.06	214.282	-22.072	-3.136	501.262	5595.764
7020_7021	7020	7021	2390.714	-187.711	22.072	3.136	-291.597	-3685.14
7021_7021	7021	7021	-2391.2	187.713	-20.751	-0.952	292.86	3687.481
7021_7022	7021	7022	2390.91	-168.147	20.751	0.952	-132.087	-2307.84
7022_7022	7022	7022	-2390.93	168.147	-17.665	2.134	132.087	2307.843

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7022_7023	7022	7023	2390.646	-148.584	17.665	-2.134	4.76	-1079.96
7023_7023	7023	7023	-2390.68	100.303	-6.588	-0.736	-4.76	1079.868
7023_7024	7023	7024	2390.153	-80.082	6.588	0.736	57.516	-355.637
7024_7024	7024	7024	-2390.16	80.082	-3.925	-0.239	-57.516	355.638
7024_7025	7024	7025	2389.639	-59.889	3.925	0.239	88.903	206.011
7025_7025	7025	7025	-2389.64	59.889	-3.925	-0.239	-88.903	-206.011
7025_7026	7025	7026	2389.118	-39.696	3.925	0.239	120.29	606.187
7026_7026	7026	7026	-2389.12	-8.134	-3.685	-0.181	-120.29	-606.285
7026_7027	7026	7027	2388.174	23.296	3.685	0.181	142.415	515.683
7027_7027	7027	7027	-2388.17	-23.296	-4.113	-0.104	-142.415	-515.683
7027_7028	7027	7028	2387.226	38.434	4.113	0.104	167.067	334.418
7028_7028	7028	7028	-2387.23	-38.434	0.299	-0.575	-167.067	-334.418
7028_7029	7028	7029	2386.281	53.593	-0.299	0.575	165.274	61.946
7029_7029	7029	7029	-2386.28	-53.593	0.299	-0.575	-165.274	-61.946
7029_7030	7029	7030	2385.333	68.753	-0.299	0.575	163.48	-301.533
7030_7030	7030	7030	-2385.34	-116.212	1.597	-1.474	-163.48	301.518
7030_7031	7030	7031	2383.335	136.397	-1.597	1.474	150.718	-1303.13
7031_7031	7031	7031	-2383.34	-136.397	1.909	-1.298	-150.718	1303.133
7031_7032	7031	7032	2381.331	156.607	-1.909	1.298	135.442	-2467.64
7032_7032	7032	7032	-2381.33	-156.607	4.898	1.823	-135.442	2467.64
7032_7033	7032	7033	2379.323	176.815	-4.898	-1.823	96.246	-3793.71
7033_7033	7033	7033	-2379.28	-225.952	14.984	0.073	-96.246	3793.784
7033_7034	7033	7034	2376.985	245.521	-14.984	-0.073	-19.869	-5611.47
7034_7034	7034	7034	-2377	-245.521	11.896	-7.153	19.869	5611.46
7034_7035	7034	7035	2374.71	265.093	-11.896	7.153	-112.07	-7581.06
7035_7035	7035	7035	-2375.45	-265.106	16.435	7.349	111.018	7584.778
7035_7036	7035	7036	2372.765	291.672	-16.435	-7.349	-267.112	-10218.1
7036_7036	7036	7036	156.94	544.329	-0.049	-10.83	-20.941	31646.1
7036_7037	7036	7037	-152.557	-503.251	0.049	10.793	21.557	-25086.5
7037_7037	7037	7037	138.662	506.51	-0.064	9.676	-23.619	25085.71
7037_7038	7037	7038	-134.06	-467.922	0.064	-9.709	24.426	-19003.7
7038_7038	7038	7038	118.364	428.409	1.72	-5.957	-23.144	19003.75
7038_7039	7038	7039	-113.593	-389.479	-1.72	5.975	0.312	-13602.2
7039_7039	7039	7039	613.58	385.053	0.991	5.839	-0.039	10859.15
7039_7040	7039	7040	-616.151	-353.088	-0.991	-5.849	-11.617	-6619.27
7040_7040	7040	7040	608.194	306.857	0.048	2.185	11.827	6620.409
7040_7041	7040	7041	-588.957	-284.832	-0.048	-2.187	-12.219	-4294.59
7041_7041	7041	7041	668.158	287.37	-0.054	-0.48	10.551	3892.715
7041_7042	7041	7042	-596.403	-250.449	0.054	0.48	-9.725	-67.828
7042_7042	7042	7042	596.408	205.068	-0.091	5.505	9.725	67.846
7042_7043	7042	7043	-544.838	-176.587	0.091	-5.505	-8.647	1970.257
7043_7043	7043	7043	544.837	176.587	-0.143	-5.031	8.647	-1970.26
7043_7044	7043	7044	-493.274	-148.11	0.143	5.031	-6.943	3669.2
7044_7044	7044	7044	493.278	107.513	-0.039	3.156	6.943	-3669.21
7044_7045	7044	7045	-444.215	-79.014	0.039	-3.156	-6.473	4556.762
7045_7045	7045	7045	444.215	79.014	-0.063	-2.862	6.473	-4556.76
7045_7046	7045	7046	-395.197	-50.542	0.063	2.862	-5.718	5104.63
7046_7046	7046	7046	395.194	9.775	0.152	6.056	5.718	-5104.64
7046_7047	7046	7047	-349.266	18.717	-0.152	-6.056	-7.531	4841.052
7047_7047	7047	7047	349.266	-18.717	0.1	-6.031	7.531	-4841.05
7047_7048	7047	7048	-303.344	47.205	-0.1	6.031	-8.717	4238.392
7048_7048	7048	7048	303.342	-88.44	-0.073	1.692	8.717	-4238.41
7048_7049	7048	7049	-260.388	116.925	0.073	-1.692	-7.849	2817.843

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7049_7049	7049	7049	260.388	-116.925	-0.099	-1.888	7.849	-2817.84
7049_7050	7049	7050	-217.436	145.409	0.099	1.888	-6.668	1058.377
7050_7050	7050	7050	217.436	-187.011	0.413	-1.074	6.668	-1058.38
7050_7051	7050	7051	-163.419	223.92	-0.413	1.074	-13.043	-2360.98
7051_7051	7051	7051	162.537	-222.235	0.373	2.168	13.158	2378.649
7051_7052	7051	7052	-135.33	242.626	-0.373	-2.166	-16.237	-4423.63
7052_7052	7052	7052	142.263	-287.461	-0.381	-7.318	15.98	4424.261
7052_7053	7052	7053	-110.31	316.932	0.381	7.326	-11.502	-8149.56
7053_7053	7053	7053	103.348	-314.381	-0.247	11.579	20.584	8235.684
7053_7054	7053	7054	-86.466	352.114	0.247	-11.567	-17.308	-12786
7054_7054	7054	7054	100.519	-393.124	-1.007	-15.131	15.271	12787.99
7054_7055	7054	7055	-96.16	430.337	1.007	15.107	-2.644	-18042.1
7055_7055	7055	7055	108.193	-426.373	-1.057	15.946	5.894	18045.03
7055_7056	7055	7056	-111.964	465.767	1.057	-15.972	7.396	-23718.5
7056_7056	7056	7056	-1984.3	269.798	-16.338	-5.254	301.244	7457.583
7056_7057	7056	7057	1992.873	-244.031	16.338	5.254	-145.928	-5054.54
7057_7057	7057	7057	-1994.39	244.03	-13.913	1.341	147.057	5023.855
7057_7058	7057	7058	2001.434	-223.482	13.913	-1.341	-39.217	-3244.18
7058_7058	7058	7058	-2001.45	223.482	-11.121	6.22	39.217	3244.171
7058_7059	7058	7059	2008.487	-202.936	11.121	-6.22	46.977	-1623.91
7059_7059	7059	7059	-2008.48	156.508	-6.435	-0.762	-46.977	1623.975
7059_7060	7059	7060	2015.371	-135.323	6.435	0.762	98.401	-489.6
7060_7060	7060	7060	-2015.38	135.323	-3.534	0.834	-98.401	489.598
7060_7061	7060	7061	2022.277	-114.114	3.534	-0.834	126.672	476.511
7061_7061	7061	7061	-2022.28	114.114	-0.829	1.215	-126.672	-476.513
7061_7062	7061	7062	2029.178	-92.907	0.829	-1.215	133.302	1272.88
7062_7062	7062	7062	-2029.18	47.787	-2.827	1.134	-133.302	-1273.02
7062_7063	7062	7063	2033.859	-31.868	2.827	-1.134	150.279	1490.369
7063_7063	7063	7063	-2033.86	31.868	0.777	0.181	-150.279	-1490.37
7063_7064	7063	7064	2038.539	-15.952	-0.777	-0.181	145.612	1612.126
7064_7064	7064	7064	-2038.54	15.952	0.53	0.254	-145.612	-1612.13
7064_7065	7064	7065	2043.21	-0.061	-0.53	-0.254	142.435	1638.352
7065_7065	7065	7065	-2043.21	0.061	0.777	0.184	-142.435	-1638.35
7065_7066	7065	7066	2047.889	15.855	-0.777	-0.184	137.769	1569.136
7066_7066	7066	7066	-2047.89	-61.288	4.325	0.435	-137.769	-1569.06
7066_7067	7066	7067	2053.364	82.49	-4.325	-0.435	103.18	968.133
7067_7067	7067	7067	-2053.36	-82.49	4.325	0.435	-103.18	-968.133
7067_7068	7067	7068	2058.84	103.691	-4.325	-0.435	68.591	197.648
7068_7068	7068	7068	-2058.84	-103.691	4.504	0.52	-68.591	-197.649
7068_7069	7068	7069	2064.324	124.919	-4.504	-0.52	32.521	-743.677
7069_7069	7069	7069	-2064.29	-170.575	12.882	-2.916	-32.521	743.82
7069_7070	7069	7070	2069.483	191.11	-12.882	2.916	-67.265	-2169.5
7070_7070	7070	7070	-2069.47	-191.11	15.677	1.633	67.265	2169.498
7070_7071	7070	7071	2074.662	211.643	-15.677	-1.633	-188.691	-3754.11
7071_7071	7071	7071	-2071.83	-211.642	15.849	2.421	189.633	3779.839
7071_7072	7071	7072	2078.042	237.388	-15.849	-2.421	-340.183	-5942.32
7072_7072	7072	7072	71.508	500.932	0.838	-6.649	-3.31	21856.15
7072_7073	7072	7073	-40.902	-461.872	-0.838	6.615	-7.231	-15873.4
7073_7073	7073	7073	28.075	465.843	0.815	8.267	5.663	15871.48
7073_7074	7073	7074	3.668	-429.046	-0.815	-8.298	-15.887	-10322.5
7074_7074	7074	7074	-18.329	390.676	0.056	0.331	16.589	10321.59
7074_7075	7074	7075	45.532	-353.371	-0.056	-0.305	-17.332	-5423.81
7075_7075	7075	7075	436.082	349.953	0.242	1.012	11.514	2781.525

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7075_7076	7075	7076	-435.368	-321.506	-0.242	-0.997	-14.354	1103.445
7076_7076	7076	7076	428.067	278.46	0.053	4.767	14.324	-1102.82
7076_7077	7076	7077	-416.507	-258.779	-0.053	-4.769	-14.762	3254.715
7077_7077	7077	7077	384.226	261.352	0.047	-3.076	16.403	-3222.45
7077_7078	7077	7078	-353.865	-225.997	-0.047	3.076	-17.063	6487.328
7078_7078	7078	7078	353.861	187.567	-0.431	5.306	17.063	-6487.36
7078_7079	7078	7079	-331.314	-159.256	0.431	-5.306	-12.235	8323.074
7079_7079	7079	7079	331.313	159.256	-0.456	-3.744	12.235	-8323.07
7079_7080	7079	7080	-308.787	-130.97	0.456	3.744	-7.136	9840.512
7080_7080	7080	7080	308.79	94.694	0.098	6.335	7.136	-9840.59
7080_7081	7080	7081	-288.471	-66.412	-0.098	-6.335	-8.23	10645.16
7081_7081	7081	7081	288.471	66.412	0.07	-5.444	8.23	-10645.2
7081_7082	7081	7082	-268.134	-38.105	-0.07	5.444	-9.018	11133.67
7082_7082	7082	7082	268.136	-0.151	-0.095	5.247	9.018	-11133.8
7082_7083	7082	7083	-249.104	30.557	0.095	-5.247	-7.876	10857.59
7083_7083	7083	7083	249.104	-30.557	-0.119	-4.954	7.876	-10857.6
7083_7084	7083	7084	-230.073	60.962	0.119	4.954	-6.443	10215.82
7084_7084	7084	7084	230.074	-98.895	-0.087	3.985	6.443	-10215.9
7084_7085	7084	7085	-214.974	127.196	0.087	-3.985	-5.466	8876.657
7085_7085	7085	7085	214.974	-127.196	-0.112	-4.398	5.466	-8876.66
7085_7086	7085	7086	-199.887	155.471	0.112	4.398	-4.212	7222.354
7086_7086	7086	7086	199.884	-192.409	0.027	4.386	4.212	-7222.36
7086_7087	7086	7087	-187.249	220.708	-0.027	-4.386	-4.509	4847.277
7087_7087	7087	7087	187.248	-220.708	-0.026	-5.293	4.509	-4847.28
7087_7088	7087	7088	-174.614	249.005	0.026	5.293	-4.223	2155.705
7088_7088	7088	7088	174.616	-285.628	0.142	-2.023	4.223	-2155.71
7088_7089	7088	7089	-160.747	319.644	-0.142	2.023	-6.137	-1986.3
7089_7089	7089	7089	163.717	-317.927	0.082	1.389	6.03	2036.704
7089_7090	7089	7090	-155.114	338.734	-0.082	-1.388	-6.703	-4786.9
7090_7090	7090	7090	163.798	-378.392	-0.357	-8.913	6.398	4787.347
7090_7091	7090	7091	-154.893	408.365	0.357	8.92	-2.203	-9464.43
7091_7091	7091	7091	152.621	-404.664	-0.207	6.69	7.746	9539.616
7091_7092	7091	7092	-148.658	441.708	0.207	-6.685	-5.003	-15197.6
7092_7092	7092	7092	164.981	-481.032	-0.917	-17.897	3.008	15199.2
7092_7093	7092	7093	-165.824	517.658	0.917	17.859	8.493	-21490.6
7093_7093	7093	7093	180.134	-512.68	-0.965	17.983	-4.814	21493.31
7093_7094	7093	7094	-184.054	551.543	0.965	-18.025	16.955	-28206.3
7094_7094	7094	7094	-2223.34	241.002	-11.024	-5.333	159.013	8029.1
7094_7095	7094	7095	2227.905	-215.682	11.024	5.333	-54.221	-5878.69
7095_7095	7095	7095	-2229.72	215.693	-8.816	0.274	52.996	5887.49
7095_7096	7095	7096	2233.258	-195.656	8.816	-0.274	15.279	-4310.3
7096_7096	7096	7096	-2233.27	195.656	-5.673	6.533	-15.279	4310.298
7096_7097	7096	7097	2236.81	-175.595	5.673	-6.533	59.268	-2886.61
7097_7097	7097	7097	-2236.81	131.538	-0.482	-2.878	-59.268	2886.601
7097_7098	7097	7098	2240.197	-110.855	0.482	2.878	63.123	-1932.8
7098_7098	7098	7098	-2240.2	110.855	2.56	0.233	-63.123	1932.8
7098_7099	7098	7099	2243.583	-90.147	-2.56	-0.233	42.635	-1143.49
7099_7099	7099	7099	-2243.58	90.147	5.502	2.315	-42.635	1143.492
7099_7100	7099	7100	2246.965	-69.44	-5.502	-2.315	-1.404	-519.958
7100_7100	7100	7100	-2246.99	25.887	-0.508	-0.117	1.404	520.067
7100_7101	7100	7101	2249.055	-10.382	0.508	0.117	1.64	-420.85
7101_7101	7101	7101	-2249.05	10.382	3.54	1.642	-1.64	420.848
7101_7102	7101	7102	2251.125	5.148	-3.54	-1.642	-19.611	-414.616

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7102_7102	7102	7102	-2251.12	-5.148	-4.307	-1.854	19.611	414.617
7102_7103	7102	7103	2253.197	20.679	4.307	1.854	6.245	-501.618
7103_7103	7103	7103	-2253.2	-20.679	-0.508	0.03	-6.245	501.619
7103_7104	7103	7104	2255.27	36.183	0.508	-0.03	9.289	-681.47
7104_7104	7104	7104	-2255.27	-79.978	-4.554	-1.79	-9.289	681.377
7104_7105	7104	7105	2257.357	100.685	4.554	1.79	45.738	-1414.31
7105_7105	7105	7105	-2257.36	-100.685	-1.611	0.897	-45.738	1414.31
7105_7106	7105	7106	2259.448	121.391	1.611	-0.897	58.632	-2312.94
7106_7106	7106	7106	-2259.45	-121.391	-1.699	0.781	-58.632	2312.943
7106_7107	7106	7107	2261.534	142.072	1.699	-0.781	72.217	-3375.87
7107_7107	7107	7107	-2261.52	-185.691	7.31	-2.93	-72.217	3375.919
7107_7108	7107	7108	2263.317	205.749	-7.31	2.93	15.539	-4902.13
7108_7108	7108	7108	-2263.32	-205.749	7.31	-2.93	-15.539	4902.127
7108_7109	7108	7109	2265.116	225.807	-7.31	2.93	-41.139	-6583.85
7109_7109	7109	7109	-2265.56	-225.809	9.68	4.45	41.203	6586.045
7109_7110	7109	7110	2267.855	251.096	-9.68	-4.45	-133.097	-8860.99
7110_7110	7110	7110	172.699	536.203	0.396	-19.841	-5.81	29249.36
7110_7111	7110	7111	-156.275	-497.477	-0.396	19.803	0.831	-22789.8
7111_7111	7111	7111	142.47	502.676	0.329	19.485	-4.889	22787.89
7111_7112	7111	7112	-124.718	-466.224	-0.329	-19.52	0.768	-16753.6
7112_7112	7112	7112	109.18	431.032	0.269	-2.852	1.147	16752.93
7112_7113	7112	7113	-92.552	-394.182	-0.269	2.864	-4.712	-11314.2
7113_7113	7113	7113	511.484	393.141	0.27	4.49	10.013	9003.574
7113_7114	7113	7114	-510.714	-363.353	-0.27	-4.484	-13.19	-4630.97
7114_7114	7114	7114	502.533	321.791	-0.058	1.451	13.299	4631.884
7114_7115	7114	7115	-487.405	-301.199	0.058	-1.453	-12.823	-2144.23
7115_7115	7115	7115	540.59	303.814	-0.094	0.186	12.609	1713.12
7115_7116	7115	7116	-492.241	-270.916	0.094	-0.186	-11.302	2077.869
7116_7116	7116	7116	492.242	231.798	-0.267	3.815	11.302	-2077.87
7116_7117	7116	7117	-456.219	-205.447	0.267	-3.815	-8.309	4357.075
7117_7117	7117	7117	456.219	205.447	-0.303	-3.054	8.309	-4357.07
7117_7118	7117	7118	-420.229	-179.121	0.303	3.054	-4.92	6339.693
7118_7118	7118	7118	420.224	144.149	-0.18	0.234	4.92	-6339.65
7118_7119	7118	7119	-386.69	-117.799	0.18	-0.234	-2.909	7648.438
7119_7119	7119	7119	386.69	117.799	-0.18	0.234	2.909	-7648.44
7119_7120	7119	7120	-353.156	-91.45	0.18	-0.234	-0.898	8662.339
7120_7120	7120	7120	353.163	53.476	-0.061	9.168	0.898	-8662.39
7120_7121	7120	7121	-320.289	-25.173	0.061	-9.168	-0.162	8979.983
7121_7121	7121	7121	320.289	25.173	-0.129	-9.125	0.162	-8979.98
7121_7122	7121	7122	-287.416	3.13	0.129	9.125	1.386	8957.341
7122_7122	7122	7122	287.415	-40.745	-0.15	4.101	-1.386	-8957.34
7122_7123	7122	7123	-259.954	67.092	0.15	-4.101	3.063	8223.031
7123_7123	7123	7123	259.954	-67.092	-0.186	-4.431	-3.063	-8223.03
7123_7124	7123	7124	-232.492	93.44	0.186	4.431	5.147	7193.879
7124_7124	7124	7124	232.492	-130.444	0.001	5.215	-5.147	-7193.88
7124_7125	7124	7125	-208.183	156.791	-0.001	-5.215	5.137	5469.378
7125_7125	7125	7125	208.183	-156.791	-0.072	-5.807	-5.137	-5469.38
7125_7126	7125	7126	-183.874	183.138	0.072	5.807	5.939	3450.07
7126_7126	7126	7126	183.881	-220.072	0.018	-0.205	-5.939	-3450.07
7126_7127	7126	7127	-156.828	251.905	-0.018	0.205	5.695	127.236
7127_7127	7127	7127	160.666	-250.031	-0.046	-0.447	-5.873	-86.252
7127_7128	7127	7128	-143.659	268.966	0.046	0.449	6.253	-2136.17
7128_7128	7128	7128	151.014	-311.698	-0.573	-5.094	-6.417	2136.776

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7128_7129	7128	7129	-134.47	339.001	0.573	5.092	13.157	-6058.75
7129_7129	7129	7129	134.449	-334.376	-1.354	8.769	-18.188	6111.898
7129_7130	7129	7130	-130.044	370.185	1.354	-8.743	36.169	-10855.9
7130_7130	7130	7130	144.095	-405.656	2.083	-6.125	-37.331	10858.06
7130_7131	7130	7131	-147.577	441.066	-2.083	6.057	11.189	-16215.6
7131_7131	7131	7131	163.379	-433.836	2.053	6.493	-9.87	16219.79
7131_7132	7131	7132	-171.789	468.98	-2.053	-6.567	-14.303	-21562.7
7132_7132	7132	7132	-1943.22	216.883	14.252	6.242	-176.674	5745.618
7132_7133	7132	7133	1946.295	-190.3	-14.252	-6.242	29.598	-3659.28
7133_7133	7133	7133	-1953.28	190.297	11.486	0.686	-28.989	3693.286
7133_7134	7133	7134	1955.948	-172.046	-11.486	-0.686	-60.029	-2301.97
7134_7134	7134	7134	-1955.98	172.046	6.046	-6.711	60.029	2301.96
7134_7135	7134	7135	1958.651	-153.772	-6.046	6.711	-106.945	-1050.56
7135_7135	7135	7135	-1958.63	115.356	-3.108	-0.792	106.945	1050.643
7135_7136	7135	7136	1961.993	-96.54	3.108	0.792	-82.113	-219.65
7136_7136	7136	7136	-1962	96.54	-0.451	0.328	82.113	219.65
7136_7137	7136	7137	1965.363	-77.701	0.451	-0.328	-78.504	461.753
7137_7137	7137	7137	-1965.36	77.701	-0.451	0.328	78.504	-461.753
7137_7138	7137	7138	1968.73	-58.861	0.451	-0.328	-74.895	992.437
7138_7138	7138	7138	-1968.73	19.779	-4.535	0.221	74.895	-992.492
7138_7139	7138	7139	1970.646	-5.649	4.535	-0.221	-47.685	1059.454
7139_7139	7139	7139	-1970.65	5.649	-1.015	-0.188	47.685	-1059.46
7139_7140	7139	7140	1972.572	8.481	1.015	0.188	-41.597	1041.637
7140_7140	7140	7140	-1972.57	-8.481	-1.015	-0.188	41.597	-1041.64
7140_7141	7140	7141	1974.494	22.61	1.015	0.188	-35.509	939.039
7141_7141	7141	7141	-1974.49	-22.61	-1.015	-0.188	35.509	-939.039
7141_7142	7141	7142	1976.416	36.74	1.015	0.188	-29.421	751.663
7142_7142	7142	7142	-1976.41	-77.827	-4.28	-0.883	29.421	-751.727
7142_7143	7142	7143	1978.108	96.667	4.28	0.883	4.819	44.743
7143_7143	7143	7143	-1978.11	-96.667	-1.64	0.273	-4.819	-44.743
7143_7144	7143	7144	1979.806	115.507	1.64	-0.273	17.937	-812.955
7144_7144	7144	7144	-1979.81	-115.507	-1.64	0.273	-17.937	812.955
7144_7145	7144	7145	1981.501	134.346	1.64	-0.273	31.055	-1821.37
7145_7145	7145	7145	-1981.51	-177.955	0.699	1.614	-31.055	1821.302
7145_7146	7145	7146	1982.971	196.206	-0.699	-1.614	25.641	-3279.33
7146_7146	7146	7146	-1982.97	-196.206	-2.027	-4.038	-25.641	3279.332
7146_7147	7146	7147	1984.435	214.457	2.027	4.038	41.348	-4878.82
7147_7147	7147	7147	-1972.32	-214.46	0.478	3.075	-41.36	4819.691
7147_7148	7147	7148	1973.783	238.931	-0.478	-3.075	36.821	-6981.65
7148_7148	7148	7148	172.05	461.823	-0.271	-8.659	-12.127	23548.33
7148_7149	7148	7149	-150.728	-424.353	0.271	8.628	15.539	-18013.5
7149_7149	7149	7149	138.875	430.479	-0.32	8.209	-17.258	18011.12
7149_7150	7149	7150	-116.833	-395.268	0.32	-8.238	21.276	-12869.5
7150_7150	7150	7150	103.053	358.123	1.751	-0.921	-20.431	12868.06
7150_7151	7150	7151	-84.736	-322.506	-1.751	0.942	-2.812	-8370.45
7151_7151	7151	7151	602.547	320.478	0.54	0.781	-7.286	5538.329
7151_7152	7151	7152	-597.859	-292.34	-0.54	-0.792	0.936	-2035.9
7152_7152	7152	7152	591.161	247.046	-0.24	-2.516	-0.88	2036.495
7152_7153	7152	7153	-572.035	-227.625	0.24	2.521	2.859	-179.684
7153_7153	7153	7153	603.402	231.022	-0.149	1.334	-3.27	14.452
7153_7154	7153	7154	-549.295	-199.649	0.149	-1.334	5.323	2712.425
7154_7154	7154	7154	549.289	157.459	0.074	0.113	-5.323	-2712.41
7154_7155	7154	7155	-509.279	-132.36	-0.074	-0.113	4.511	4132.9

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7155_7155	7155	7155	509.279	132.36	0.074	0.113	-4.511	-4132.9
7155_7156	7155	7156	-469.269	-107.261	-0.074	-0.113	3.699	5277.295
7156_7156	7156	7156	469.271	71.435	0.027	-4.046	-3.699	-5277.3
7156_7157	7156	7157	-434.731	-48.618	-0.027	4.046	3.428	5726.965
7157_7157	7157	7157	434.731	48.618	0.082	4.126	-3.428	-5726.97
7157_7158	7157	7158	-400.191	-25.8	-0.082	-4.126	2.608	5948.461
7158_7158	7158	7158	400.185	-7.249	0.07	-3.76	-2.608	-5948.43
7158_7159	7158	7159	-368.005	30.089	-0.07	3.76	1.911	5620.392
7159_7159	7159	7159	368.005	-30.089	0.125	3.674	-1.911	-5620.39
7159_7160	7159	7160	-335.856	52.906	-0.125	-3.674	0.664	5064.384
7160_7160	7160	7160	335.856	-90.042	0.106	-2.35	-0.664	-5064.37
7160_7161	7160	7161	-303.251	115.141	-0.106	2.35	-0.499	3791.841
7161_7161	7161	7161	303.251	-115.141	0.156	2.104	0.499	-3791.84
7161_7162	7161	7162	-270.646	140.24	-0.156	-2.104	-2.211	2243.215
7162_7162	7162	7162	270.645	-180.64	0.269	-0.241	2.211	-2243.23
7162_7163	7162	7163	-232.087	212.013	-0.269	0.241	-5.914	-627.96
7163_7163	7163	7163	236.051	-209.371	0.217	0.026	5.934	621.127
7163_7164	7163	7164	-213.662	228.834	-0.217	-0.026	-7.727	-2530.99
7164_7164	7164	7164	220.288	-273.645	0.061	-1.906	7.668	2531.734
7164_7165	7164	7165	-195.042	301.726	-0.061	1.915	-8.386	-6046.09
7165_7165	7165	7165	185.483	-295.532	0.208	2.361	10.947	6145.363
7165_7166	7165	7166	-170.75	331.765	-0.208	-2.352	-13.71	-10433
7166_7166	7166	7166	184.874	-377.857	-0.047	-6.402	13.021	10435.12
7166_7167	7166	7167	-182.741	413.643	0.047	6.379	-12.436	-15498.3
7167_7167	7167	7167	194.299	-406.436	-0.094	6.954	13.86	15501.75
7167_7168	7167	7168	-199.785	444.395	0.094	-6.979	-12.683	-20937.5
7168_7168	7168	7168	-1853.22	245.453	-1.627	-3.431	7.869	6026.325
7168_7169	7168	7169	1859.899	-220.648	1.627	3.431	7.59	-3841.1
7169_7169	7169	7169	-1866.2	220.633	0.678	1.496	-6.563	3871.857
7169_7170	7169	7170	1872.049	-201.878	-0.678	-1.496	1.312	-2259.96
7170_7170	7170	7170	-1872.05	201.878	0.678	1.496	-1.312	2259.957
7170_7171	7170	7171	1877.902	-183.124	-0.678	-1.496	-3.939	-793.405
7171_7171	7171	7171	-1877.88	135.794	0.782	0.551	3.939	793.299
7171_7172	7171	7172	1883.653	-116.435	-0.782	-0.551	-10.194	190.547
7172_7172	7172	7172	-1883.65	116.435	-1.804	-0.03	10.194	-190.547
7172_7173	7172	7173	1889.423	-97.075	1.804	0.03	4.237	1019.522
7173_7173	7173	7173	-1889.42	97.075	0.782	-0.411	-4.237	-1019.52
7173_7174	7173	7174	1895.194	-77.716	-0.782	0.411	-2.017	1693.614
7174_7174	7174	7174	-1895.2	33.295	0.872	-0.423	2.017	-1693.69
7174_7175	7174	7175	1899.023	-18.775	-0.872	0.423	-7.252	1833.047
7175_7175	7175	7175	-1899.02	18.775	-2.575	1.273	7.252	-1833.05
7175_7176	7175	7176	1902.847	-4.256	2.575	-1.273	8.199	1885.281
7176_7176	7176	7176	-1902.85	4.256	0.872	-0.439	-8.199	-1885.28
7176_7177	7176	7177	1906.674	10.264	-0.872	0.439	2.965	1850.398
7177_7177	7177	7177	-1906.67	-10.264	0.872	-0.439	-2.965	-1850.4
7177_7178	7177	7178	1910.5	24.783	-0.872	0.439	-2.269	1728.396
7178_7178	7178	7178	-1910.5	-69.747	0.626	-0.432	2.269	-1728.48
7178_7179	7178	7179	1914.842	89.106	-0.626	0.432	-7.277	1073.582
7179_7179	7179	7179	-1914.84	-89.106	-1.96	-0.334	7.277	-1073.58
7179_7180	7179	7180	1919.182	108.466	1.96	0.334	8.401	263.801
7180_7180	7180	7180	-1919.18	-108.466	0.626	0.646	-8.401	-263.802
7180_7181	7180	7181	1923.523	127.825	-0.626	-0.646	3.394	-700.849
7181_7181	7181	7181	-1923.51	-174.757	0.892	2.006	-3.394	700.756

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7181_7182	7181	7182	1927.672	193.511	-0.892	-2.006	-3.517	-2146.64
7182_7182	7182	7182	-1927.67	-193.511	0.892	2.006	3.517	2146.644
7182_7183	7182	7183	1931.837	212.266	-0.892	-2.006	-10.428	-3737.88
7183_7183	7183	7183	-1919.54	-212.261	-1.531	-3.74	10.144	3677.882
7183_7184	7183	7184	1924.332	237.067	1.531	3.74	4.399	-5833.83
7184_7184	7184	7184	165.767	455.41	0.35	7.356	-15.789	20661.16
7184_7185	7184	7185	-138.06	-417.742	-0.35	-7.382	11.392	-15191.9
7185_7185	7185	7185	126.312	425.08	0.398	-6.787	-9.876	15189.23
7185_7186	7185	7186	-98.989	-389.642	-0.398	6.764	4.881	-10099.9
7186_7186	7186	7186	85.061	349.358	-0.836	-0.613	-5.441	10098.45
7186_7187	7186	7187	-64.096	-313.418	0.836	0.614	16.541	-5698.74
7187_7187	7187	7187	565.903	312.933	0.163	0.762	-3.299	2953.043
7187_7188	7187	7188	-563.048	-283.581	-0.163	-0.746	1.387	475.693
7188_7188	7188	7188	556.463	235.247	0.061	-3.43	-1.323	-474.711
7188_7189	7188	7189	-540.994	-214.947	-0.061	3.429	0.817	2247.815
7189_7189	7189	7189	559.108	218.672	0.112	2.851	-0.776	-2244.24
7189_7190	7189	7190	-515.126	-184.415	-0.112	-2.851	-0.767	4828.161
7190_7190	7190	7190	515.127	140.736	-0.093	0.196	0.767	-4828.16
7190_7191	7190	7191	-481.881	-113.33	0.093	-0.196	0.256	6083.203
7191_7191	7191	7191	481.881	113.33	-0.093	0.196	-0.256	-6083.2
7191_7192	7191	7192	-448.634	-85.925	0.093	-0.196	1.28	7036.786
7192_7192	7192	7192	448.635	46.904	-0.02	0.071	-1.28	-7036.77
7192_7193	7192	7193	-420.438	-22.04	0.02	-0.071	1.478	7259.182
7193_7193	7193	7193	420.438	22.04	-0.02	0.022	-1.478	-7259.18
7193_7194	7193	7194	-392.213	2.849	0.02	-0.022	1.68	7233.297
7194_7194	7194	7194	392.213	-38.24	0.088	4.154	-1.68	-7233.32
7194_7195	7194	7195	-366.032	63.128	-0.088	-4.154	0.799	6613.07
7195_7195	7195	7195	366.032	-63.128	0.031	-4.329	-0.799	-6613.07
7195_7196	7195	7196	-339.852	88.017	-0.031	4.329	0.487	5744.181
7196_7196	7196	7196	339.848	-127.434	0.142	-0.219	-0.487	-5744.16
7196_7197	7196	7197	-313.48	154.84	-0.142	0.219	-1.08	4075.741
7197_7197	7197	7197	313.48	-154.84	0.142	-0.219	1.08	-4075.74
7197_7198	7197	7198	-287.113	182.245	-0.142	0.219	-2.647	2105.858
7198_7198	7198	7198	287.119	-223.726	-0.04	-0.614	2.647	-2105.87
7198_7199	7198	7199	-255.554	257.957	0.04	0.614	-2.101	-1343.39
7199_7199	7199	7199	258.623	-254.939	-0.096	0.431	2.065	1270.352
7199_7200	7199	7200	-239.408	276.145	0.096	-0.431	-1.274	-3555.25
7200_7200	7200	7200	247.197	-321.155	-0.433	2.57	1.356	3556.212
7200_7201	7200	7201	-225.595	351.745	0.433	-2.561	3.734	-7635.71
7201_7201	7201	7201	223.406	-344.302	-0.045	-4.502	-0.841	7708.659
7201_7202	7201	7202	-215.122	384.892	0.045	4.508	1.441	-12646.4
7202_7202	7202	7202	230.77	-429.03	-0.702	7.692	-0.47	12649.42
7202_7203	7202	7203	-231.73	468.913	0.702	-7.724	9.275	-18360.1
7203_7203	7203	7203	244.799	-460.627	-0.655	-8.192	-10.98	18364.66
7203_7204	7203	7204	-251.566	502.683	0.655	8.156	19.225	-24493
7204_7204	7204	7204	-2025.01	276.925	-6.843	2.283	168.373	7651.554
7204_7205	7204	7205	2029.891	-249.061	6.843	-2.283	-103.363	-5175.1
7205_7205	7205	7205	-2032.03	249.053	-9.644	-3.584	105.07	4936.689
7205_7206	7205	7206	2036.314	-227.804	9.644	3.584	-30.331	-3107.7
7206_7206	7206	7206	-2036.32	227.804	-6.677	1.285	30.331	3107.704
7206_7207	7206	7207	2040.6	-206.554	6.677	-1.285	21.415	-1443.42
7207_7207	7207	7207	-2040.63	155.419	-1.276	0.171	-21.415	1443.416
7207_7208	7207	7208	2044.725	-133.484	1.276	-0.171	31.624	-305.955

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7208_7208	7208	7208	-2044.73	133.484	-1.276	0.171	-31.624	305.955
7208_7209	7208	7209	2048.82	-111.549	1.276	-0.171	41.833	656.024
7209_7209	7209	7209	-2048.82	111.549	-4.15	-0.063	-41.833	-656.022
7209_7210	7209	7210	2052.912	-89.614	4.15	0.063	75.035	1442.523
7210_7210	7210	7210	-2052.93	38.787	0.311	-0.211	-75.035	-1442.5
7210_7211	7210	7211	2055.554	-22.336	-0.311	0.211	73.169	1614.015
7211_7211	7211	7211	-2055.55	22.336	0.311	-0.211	-73.169	-1614.02
7211_7212	7211	7212	2058.176	-5.885	-0.311	0.211	71.304	1686.818
7212_7212	7212	7212	-2058.17	5.885	-3.521	0.956	-71.304	-1686.82
7212_7213	7212	7213	2060.796	10.567	3.521	-0.956	92.431	1660.908
7213_7213	7213	7213	-2060.8	-10.567	0.311	-0.098	-92.431	-1660.91
7213_7214	7213	7214	2063.419	27.018	-0.311	0.098	90.565	1536.295
7214_7214	7214	7214	-2063.44	-78.899	2.474	0.664	-90.565	-1536.28
7214_7215	7214	7215	2066.232	100.835	-2.474	-0.664	70.773	804.328
7215_7215	7215	7215	-2066.23	-100.835	2.474	0.664	-70.773	-804.328
7215_7216	7215	7216	2069.026	122.77	-2.474	-0.664	50.981	-103.11
7216_7216	7216	7216	-2069.03	-122.77	-0.4	-0.932	-50.981	103.111
7216_7217	7216	7217	2071.822	144.705	0.4	0.932	54.181	-1186.04
7217_7217	7217	7217	-2071.86	-196.327	6.697	-18.879	-54.181	1185.847
7217_7218	7217	7218	2074.33	217.577	-6.697	18.879	2.279	-2801.44
7218_7218	7218	7218	-2074.33	-217.577	6.697	-18.879	-2.279	2801.441
7218_7219	7218	7219	2076.799	238.827	-6.697	18.879	-49.623	-4581.72
7219_7219	7219	7219	-2068.74	-238.826	28.242	39.679	49.69	4796.974
7219_7220	7219	7220	2071.595	266.69	-28.242	-39.679	-317.987	-7212.05
7220_7220	7220	7220	211.757	501.801	1.476	-33.684	-21.208	23930.54
7220_7221	7220	7221	-189.083	-460.064	-1.476	33.671	2.649	-17895.1
7221_7221	7221	7221	176.09	468.05	1.33	33.554	-9.72	17891.59
7221_7222	7221	7222	-153.996	-428.497	-1.33	-33.566	-6.974	-12278.9
7222_7222	7222	7222	138.833	389.586	-1.784	-2.79	10.181	12278.05
7222_7223	7222	7223	-121.348	-349.295	1.784	2.718	13.513	-7371.59
7223_7223	7223	7223	616.385	349.141	0.76	2.818	-10.417	4599.157
7223_7224	7223	7224	-615.559	-317	-0.76	-2.802	1.492	-757.583
7224_7224	7224	7224	608.173	267.765	0.695	10.989	-1.545	758.639
7224_7225	7224	7225	-592.204	-245.507	-0.695	-10.993	-4.19	1271.041
7225_7225	7225	7225	566.511	249.816	0.497	-7.95	4.45	-1077.36
7225_7226	7225	7226	-522.093	-207.96	-0.497	7.95	-11.893	4309.848
7226_7226	7226	7226	522.11	158.846	0.503	15.523	11.893	-4310.04
7226_7227	7226	7227	-489.059	-126.359	-0.503	-15.523	-17.735	5822.141
7227_7227	7227	7227	489.059	126.359	0.309	-15.015	17.735	-5822.14
7227_7228	7227	7228	-456.032	-93.896	-0.309	15.015	-21.328	6956.128
7228_7228	7228	7228	456.027	46.122	0.289	20.085	21.328	-6955.98
7228_7229	7228	7229	-425.092	-13.655	-0.289	-20.085	-24.684	7166.787
7229_7229	7229	7229	425.088	13.655	0.05	-20.418	24.684	-7166.78
7229_7230	7229	7230	-394.147	18.817	-0.05	20.418	-25.259	7000.578
7230_7230	7230	7230	394.02	-69.924	1.58	14.385	25.259	-6999.84
7230_7231	7230	7231	-365.35	103.801	-1.58	-14.385	-44.405	5820.247
7231_7231	7231	7231	365.368	-103.801	1.354	-15.668	44.405	-5820.26
7231_7232	7231	7232	-336.668	137.714	-1.354	15.668	-60.819	4228.382
7232_7232	7232	7232	336.759	-184.441	0	10.87	60.819	-4228.04
7232_7233	7232	7233	-328.719	193.011	0	-10.87	-60.819	3613.942
7233_7233	7233	7233	336.968	-190.429	-0.324	2.913	65.627	-3645.2
7233_7234	7233	7234	-320.067	207.47	0.324	-2.924	-63.697	2384.24
7234_7234	7234	7234	323.426	-202.797	-0.4	-2.825	63.621	-2383.59

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7234_7235	7234	7235	-298.115	226.973	0.4	2.782	-60.268	463.732
7235_7235	7235	7235	301.656	-222.534	-0.489	-5.613	60.148	-462.974
7235_7236	7235	7236	-285.122	239.032	0.489	5.567	-57.38	-928.279
7236_7236	7236	7236	288.083	-290.702	0.095	-6.068	57.262	928.042
7236_7237	7236	7237	-273.685	327.922	-0.095	6.277	-58.267	-4345.5
7237_7237	7237	7237	221.388	-322.708	-0.661	5.016	129.527	4703.941
7237_7238	7237	7238	-220.192	357.497	0.661	-4.714	-123.208	-8012.26
7238_7238	7238	7238	230.756	-379.892	3.966	-23.454	120.67	8013.25
7238_7239	7238	7239	-233.735	415.362	-3.966	23.115	-158.107	-11829
7239_7239	7239	7239	233.474	-415.411	3.847	15.501	162.016	11829.21
7239_7240	7239	7240	-237.953	456.253	-3.847	-15.84	-202.323	-16459
7240_7240	7240	7240	-1819.45	307.507	-61.413	-5.379	1198.243	4392.225
7240_7241	7240	7241	1825.805	-280.764	61.413	5.379	-723.459	-2145.42
7241_7241	7241	7241	-1823.02	280.755	-54.373	4.416	726.668	2131.107
7241_7242	7241	7242	1830.284	-251.596	54.373	-4.416	-261.476	115.047
7242_7242	7242	7242	-1830.38	251.596	-49.981	5.992	261.476	-115.072
7242_7243	7242	7243	1837.348	-223.629	49.981	-5.992	148.657	2035.031
7243_7243	7243	7243	-1838.67	166.117	-16.214	3.411	-148.657	-2035.29
7243_7244	7243	7244	1843.171	-131.578	16.214	-3.411	312.971	3523.545
7244_7244	7244	7244	-1843.2	131.578	-11.19	-2.488	-312.971	-3523.55
7244_7245	7244	7245	1847.419	-99.221	11.19	2.488	419.21	4600.232
7245_7245	7245	7245	-1847.03	54.427	-12.869	5.204	-419.21	-4599.34
7245_7246	7245	7246	1851.011	-19.185	12.869	-5.204	552.282	4961.747
7246_7246	7246	7246	-1851.04	19.185	-7.492	-4.403	-552.282	-4961.75
7246_7247	7246	7247	1854.613	12.437	7.492	4.403	621.796	4976.756
7247_7247	7247	7247	-1854.67	-64.027	-2.383	7.061	-621.796	-4976
7247_7248	7247	7248	1857.302	96.031	2.383	-7.061	644.17	4211.959
7248_7248	7248	7248	-1857.29	-96.031	6.235	-4.784	-644.17	-4211.97
7248_7249	7248	7249	1860.164	130.925	-6.235	4.784	580.341	3036.511
7249_7249	7249	7249	-1860.51	-177.811	24.794	0.58	-580.341	-3036.1
7249_7250	7249	7250	1862.684	211.856	-24.794	-0.58	332.665	1078.975
7250_7250	7250	7250	-1862.61	-211.856	30.453	1.5	-332.665	-1078.98
7250_7251	7250	7251	1864.712	244.677	-30.453	-1.5	39.403	-1129.73
7251_7251	7251	7251	-1863.64	-294.178	-11.268	-48.822	-39.403	1128.584
7251_7252	7251	7252	1863.218	320.596	11.268	48.822	126.747	-3511.45
7252_7252	7252	7252	-1859.78	-320.594	-2.316	-27.496	-127.285	3494.885
7252_7253	7252	7253	1859.271	353.439	2.316	27.496	149.277	-6695.1
7253_7253	7253	7253	191.64	458.844	-46.08	97.662	22.652	18373
7253_7254	7253	7254	-176.898	-430.539	46.08	-97.896	314.107	-15127.8
7254_7254	7254	7254	160.453	373.772	28.088	-14.037	-299.879	15120.99
7254_7255	7254	7255	-139.539	-330.218	-28.088	14.202	-27.168	-11017.6
7255_7255	7255	7255	131.652	336.281	28.096	18.852	24.144	11014.98
7255_7256	7255	7256	-115.086	-299.864	-28.096	-18.731	-306.984	-7809.69
7256_7256	7256	7256	106.845	264.273	-12.372	-12.725	308.765	7807.703
7256_7257	7256	7257	-97.787	-230.977	12.372	12.719	-192.453	-5459.13
7257_7257	7257	7257	39.545	236.27	-12.384	1.527	192.472	5744.483
7257_7258	7257	7258	-36.32	-214.926	12.384	-1.53	-103.961	-4107.71
7258_7258	7258	7258	33.396	217.362	-12.381	8.571	103.766	4107.225
7258_7259	7258	7259	-34.088	-202.192	12.381	-8.572	-40.63	-3015.84
7259_7259	7259	7259	531.557	150.129	1.282	12.922	-2.722	547.189
7259_7260	7259	7260	-565.877	-126.213	-1.282	-12.913	-7.223	669.343
7260_7260	7260	7260	589.122	130.151	1.194	-1.776	6.349	-938.834
7260_7261	7260	7261	-621.834	-103.927	-1.194	1.776	-16.711	2110.68

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7261_7261	7261	7261	621.834	103.927	1.131	-9.123	16.711	-2110.68
7261_7262	7261	7262	-652.195	-79.587	-1.131	9.123	-25.823	2994.619
7262_7262	7262	7262	652.201	13.996	0.476	9.496	25.823	-2994.65
7262_7263	7262	7263	-700.275	20.995	-0.476	-9.496	-31.332	3182.201
7263_7263	7263	7263	700.274	-20.995	0.358	-8.627	31.332	-3182.19
7263_7264	7263	7264	-747.901	55.66	-0.358	8.627	-35.435	2968.388
7264_7264	7264	7264	747.931	-109.456	0.824	14.478	35.435	-2968.48
7264_7265	7264	7265	-798.181	144.843	-0.824	-14.478	-45.091	1716.44
7265_7265	7265	7265	798.176	-144.843	0.623	-15.378	45.091	-1716.42
7265_7266	7265	7266	-846.848	179.119	-0.623	15.378	-52.157	108.54
7266_7266	7266	7266	846.947	-236.153	0.506	6.549	52.157	-108.351
7266_7267	7266	7267	-897.966	270.809	-0.506	-6.549	-57.96	-2559.34
7267_7267	7267	7267	897.968	-270.809	0.338	-8.844	57.96	2559.348
7267_7268	7267	7268	-949.459	305.787	-0.338	8.844	-61.877	-5654.81
7268_7268	7268	7268	949.605	-372.915	5.394	1.837	61.877	5655.787
7268_7269	7268	7269	-968.977	384.986	-5.394	-1.837	-83.429	-7078.98
7269_7269	7269	7269	890.684	-379.208	5.072	-4.727	78.038	7726.042
7269_7270	7269	7270	-907.977	411.084	-5.072	4.698	-127.567	-11466.4
7270_7270	7270	7270	916.698	-400.852	4.932	-0.963	127.638	11465.22
7270_7271	7270	7271	-893.584	434.999	-4.932	0.887	-178.2	-15738.1
7271_7271	7271	7271	786.983	-488.524	-13.673	-31.857	157.855	16455
7271_7272	7271	7272	-733.64	535.859	13.673	31.677	10.123	-22826.9
7272_7272	7272	7272	747.786	-525.39	-13.868	28.035	-6.19	22826.36
7272_7273	7272	7273	-682.309	575.619	13.868	-28.26	179.392	-29841.9
7273_7273	7273	7273	696.995	-586.948	23.479	-53.226	-187.331	29848.49
7273_7274	7273	7274	-669.146	610.096	-23.479	53.288	56.412	-33254.9
7274_7274	7274	7274	678.161	-604.479	23.367	3.899	-50.744	33255.51
7274_7275	7274	7275	-641.026	638.78	-23.367	-3.796	-137.341	-38364
7275_7275	7275	7275	-2409.18	468.632	28.295	37.782	605.42	12129.24
7275_7276	7275	7276	2477.451	-448.548	-28.295	-37.782	-761.018	-9899.69
7276_7276	7276	7276	-2942.42	385.71	-64.167	-22.679	928.534	12099.96
7276_7277	7276	7277	2945.92	-370.982	64.167	22.679	-671.978	-10601.4
7277_7277	7277	7277	-2952.14	370.968	-58.742	-8.965	676.137	10889.53
7277_7278	7277	7278	2961.375	-336.104	58.742	8.965	-81.052	-7346.44
7278_7278	7278	7278	-2961.53	336.104	-49.434	14.124	81.052	7346.412
7278_7279	7278	7279	2969.936	-304.368	49.434	-14.124	374.807	-4428.29
7279_7279	7279	7279	-2969.57	226.392	-19.135	-6.409	-374.807	4429.033
7279_7280	7279	7280	2973.207	-186.213	19.135	6.409	598.204	-2035.49
7280_7280	7280	7280	-2973.25	186.213	-5.608	5.472	-598.204	2035.471
7280_7281	7280	7281	2977.053	-144.289	5.608	-5.472	666.523	-38.046
7281_7281	7281	7281	-3027.18	107.524	-1.076	0.072	-678.477	272.185
7281_7282	7281	7282	3036.309	-71.238	1.076	-0.072	691.815	796.389
7282_7282	7282	7282	-3036.3	71.238	7.972	-0.018	-691.815	-796.395
7282_7283	7282	7283	3044.74	-37.675	-7.972	0.018	600.426	1384.427
7283_7283	7283	7283	-3045.26	-62.231	-6.435	-0.854	-600.426	-1384.67
7283_7284	7283	7284	3045.838	93.577	6.435	0.854	669.317	547.47
7284_7284	7284	7284	-3045.84	-93.577	6.576	0.646	-669.317	-547.471
7284_7285	7284	7285	3046.358	122.023	-6.576	-0.646	605.431	-502.732
7285_7285	7285	7285	-3046.69	-183.214	99.3	-10.357	-605.431	502.625
7285_7286	7285	7286	3047.234	207.135	-99.3	10.357	-205.871	-2100.49
7286_7286	7286	7286	-3047.06	-207.135	104.773	-5.1	205.871	2100.503
7286_7287	7286	7287	3047.551	228.645	-104.773	5.1	-975.59	-3704.17
7287_7287	7287	7287	-3039.72	-228.646	111.91	-4.307	976.001	3400.439

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7287_7288	7287	7288	3040.15	254.049	-111.91	4.307	-1872.78	-5337.05
7288_7288	7288	7288	262.328	846.381	-20.682	-25.837	324.741	29982.15
7288_7289	7288	7289	-246.185	-800.299	20.682	25.854	-61.799	-19562.5
7289_7289	7289	7289	233.556	804.675	-20.756	44.368	55.703	19560.9
7289_7290	7289	7290	-217.205	-766.38	20.756	-44.356	173.531	-10932.5
7290_7290	7290	7290	195.394	698.404	5.153	-9.09	-169.209	10932.91
7290_7291	7290	7291	-185.584	-673.515	-5.153	9.103	131.194	-5899.35
7291_7291	7291	7291	171.88	678.239	5.133	0.483	-131.593	5898.419
7291_7292	7291	7292	-161.19	-649.292	-5.133	-0.473	86.877	-147.671
7292_7292	7292	7292	127.75	653.185	5.09	12.306	-85.359	258.299
7292_7293	7292	7293	-122.724	-640.889	-5.09	-12.304	63.617	2487.455
7293_7293	7293	7293	113.831	588.381	-0.895	11.1	-63.451	-2487.89
7293_7294	7293	7294	-109.064	-567.875	0.895	-11.102	69.837	6595.563
7294_7294	7294	7294	106.45	568.755	-0.939	3.231	-69.784	-6595.65
7294_7295	7294	7295	-101.516	-544.081	0.939	-3.231	77.852	11356.36
7295_7295	7295	7295	126.673	544.171	-0.897	-18.723	-78.417	-11498
7295_7296	7295	7296	-122.967	-520.736	0.897	18.723	84.741	15236.23
7296_7296	7296	7296	23.521	449.149	3.321	25.405	-59.296	-14677.3
7296_7297	7296	7297	-28.09	-412.777	-3.321	-25.405	22.814	19437.9
7297_7297	7297	7297	28.1	412.777	3.285	-15.737	-22.814	-19437.9
7297_7298	7297	7298	-32.838	-375.058	-3.285	15.737	-14.611	23952.76
7298_7298	7298	7298	32.779	309.917	0.407	50.694	14.611	-23955.4
7298_7299	7298	7299	-37.833	-272.746	-0.407	-50.694	-19.185	27253.79
7299_7299	7299	7299	37.835	272.746	0.358	-36.115	19.185	-27253.8
7299_7300	7299	7300	-43.51	-231.016	-0.358	36.115	-23.694	30459.5
7300_7300	7300	7300	43.491	162.653	0.01	50.426	23.694	-30462.9
7300_7301	7300	7301	-51.212	-122.313	-0.01	-50.426	-23.82	32239.08
7301_7301	7301	7301	51.213	122.313	-0.034	-44.128	23.82	-32239.1
7301_7302	7301	7302	-58.594	-83.749	0.034	44.128	-23.427	33477.55
7302_7302	7302	7302	58.594	14.208	0.548	56.533	23.427	-33480.8
7302_7303	7302	7303	-69.031	28.106	-0.548	-56.533	-30.436	33444.8
7303_7303	7303	7303	69.034	-28.106	0.498	-58.094	30.436	-33444.8
7303_7304	7303	7304	-78.057	64.687	-0.498	58.094	-35.934	32977.79
7304_7304	7304	7304	78.052	-135.711	0.412	54.79	35.934	-32981.4
7304_7305	7304	7305	-89.333	173.963	-0.412	-54.79	-40.698	31248.66
7305_7305	7305	7305	89.336	-173.963	0.364	-47.87	40.698	-31248.7
7305_7306	7305	7306	-101.314	214.577	-0.364	47.87	-45.163	28925.19
7306_7306	7306	7306	101.283	-289.074	-0.335	47.187	45.163	-28927.9
7306_7307	7306	7307	-114.096	328.421	0.335	-47.187	-41.183	25321.8
7307_7307	7307	7307	114.092	-328.421	-0.389	-46.488	41.183	-25321.8
7307_7308	7307	7308	-126.963	367.947	0.389	46.488	-36.534	21228.47
7308_7308	7308	7308	127.132	-456.661	7.813	28.391	36.534	-21230.3
7308_7309	7308	7309	-140.866	496.39	-7.813	-28.391	-130.296	15579.57
7309_7309	7309	7309	140.911	-496.39	7.755	-31.147	130.296	-15579.6
7309_7310	7309	7310	-154.436	535.512	-7.755	31.147	-221.942	9549.204
7310_7310	7310	7310	153.991	-636.406	-16.592	-1.809	221.942	-9549.37
7310_7311	7310	7311	-175.451	680.689	16.592	1.809	0	847.149
7400_7020	7400	7020	2609.681	-245.795	50.853	0.762	-405.56	-3721.16
7400_7401	7400	7401	-2610.73	249.776	-50.853	-0.762	197.601	2707.856
7401_7401	7401	7401	2607.83	-244.628	18.542	-0.274	-194.046	-2707.95
7401_7402	7401	7402	-2608.74	248.022	-18.542	0.274	129.342	1848.391
7402_7402	7402	7402	2613.968	-185.359	13.427	-0.865	-130.393	-1848.32
7402_7403	7402	7403	-2617.06	195.915	-13.427	0.865	-16.297	-234.317

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7403_7403	7403	7403	2616.626	-119.643	0.126	-0.739	14.01	234.31
7403_7404	7403	7404	-2618.88	126.54	-0.126	0.739	-14.921	-1121.56
7404_7404	7404	7404	2621.117	-65.546	-1.483	-0.391	15.145	1121.56
7404_7405	7404	7405	-2623.53	72.393	1.483	0.391	-4.453	-1618.93
7405_7405	7405	7405	2623.412	14.704	0.313	-0.447	3.499	1618.927
7405_7406	7405	7406	-2628.72	-1.205	-0.313	0.447	-8.005	-1504.33
7406_7406	7406	7406	2628.468	88.814	-1.063	-0.485	7.941	1504.322
7406_7407	7406	7407	-2632.02	-80.632	1.063	0.485	1.48	-753.652
7407_7407	7407	7407	2629.756	135.74	-1.314	-0.384	-1.458	753.652
7407_7408	7407	7408	-2632.21	-130.4	1.314	0.384	8.758	-14.252
7408_7408	7408	7408	2607.865	-428.092	-0.095	-2.213	-9.39	14.26
7408_7409	7408	7409	-2608.56	431.209	0.095	2.213	9.678	-1311.53
7409_7409	7409	7409	2603.94	413.455	-1.665	1.132	-9.433	1312.211
7409_7410	7409	7410	-2603.24	-410.328	1.665	-1.132	14.476	-64.56
7410_7410	7410	7410	2627.462	-149.148	2.051	-0.811	-13.383	64.558
7410_7411	7410	7411	-2625.01	154.487	-2.051	0.811	1.988	-907.982
7411_7411	7411	7411	2627.667	-99.516	1.131	-0.457	-2.14	907.982
7411_7412	7411	7412	-2624.11	107.695	-1.131	0.457	-7.882	-1825.75
7412_7412	7412	7412	2628.684	-19.851	0.126	-0.591	7.971	1825.768
7412_7413	7412	7413	-2623.38	33.354	-0.126	0.591	-9.787	-2209.12
7413_7413	7413	7413	2627.225	53.758	-0.635	0.346	9.671	2209.157
7413_7414	7413	7414	-2624.81	-46.907	0.635	-0.346	-5.087	-1845.96
7414_7414	7414	7414	2623.053	106.826	1.482	-1.28	5.588	1845.962
7414_7415	7414	7415	-2620.8	-99.934	-1.482	1.28	-16.263	-1101.31
7415_7415	7415	7415	2623.074	176.978	-10.538	-1.057	18.239	1101.344
7415_7416	7415	7416	-2619.98	-166.424	10.538	1.057	96.871	774.15
7416_7416	7416	7416	2615.307	228.51	-8.532	1.849	-97.031	-774.129
7416_7417	7416	7417	-2614.4	-225.12	8.532	-1.849	126.769	1564.673
7417_7417	7417	7417	2617.529	231.484	-30.343	-1.118	-127.694	-1564.65
7417_7036	7417	7036	-2616.48	-227.497	30.343	1.118	251.949	2504.401
7420_7056	7420	7056	2194.473	-229.012	35.862	0.897	-202.702	-3857.9
7420_7421	7420	7421	-2195.4	232.546	-35.862	-0.897	55.811	2912.62
7421_7421	7421	7421	2192.128	-227.794	5.672	0.552	-57.021	-2912.59
7421_7422	7421	7422	-2192.93	230.8	-5.672	-0.552	37.241	2112.934
7422_7422	7422	7422	2197.839	-178.14	4.196	-0.008	-37.643	-2112.93
7422_7423	7422	7423	-2200.58	187.488	-4.196	0.008	-8.173	116.817
7423_7423	7423	7423	2200.415	-124.811	0.748	0.021	6.11	-116.821
7423_7424	7423	7424	-2202.41	130.929	-0.748	-0.021	-11.504	-805.732
7424_7424	7424	7424	2204.898	-78.681	-0.943	0.374	11.722	805.729
7424_7425	7424	7425	-2207.04	84.745	0.943	-0.374	-4.923	-1394.79
7425_7425	7425	7425	2207.175	-12.519	-0.174	0.257	4.628	1394.787
7425_7426	7425	7426	-2211.88	24.485	0.174	-0.257	-2.113	-1661.43
7426_7426	7426	7426	2211.703	49.637	1.168	-0.037	2.094	1661.428
7426_7427	7426	7427	-2214.85	-42.394	-1.168	0.037	-12.437	-1254
7427_7427	7427	7427	2213.526	87.58	-0.719	0.76	12.916	1253.997
7427_7428	7427	7428	-2215.71	-82.815	0.719	-0.76	-8.919	-780.353
7428_7428	7428	7428	2190.077	-388.578	-3.49	-0.074	9.917	780.355
7428_7429	7428	7429	-2190.7	391.366	3.49	0.074	0.656	-1961.79
7429_7429	7429	7429	2192.364	394.925	-3.154	0.533	-0.759	1964.056
7429_7430	7429	7430	-2191.74	-392.146	3.154	-0.533	10.284	-775.657
7430_7430	7430	7430	2218.938	-77.851	2.979	-0.744	-8.765	775.657
7430_7431	7430	7431	-2216.75	82.615	-2.979	0.744	-7.796	-1221.7
7431_7431	7431	7431	2217.974	-37.503	-0.168	0.818	7.031	1221.706

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7431_7432	7431	7432	-2214.83	44.745	0.168	-0.818	-5.543	-1585.77
7432_7432	7432	7432	2215.703	29.703	-0.227	0.253	5.891	1585.784
7432_7433	7432	7433	-2211	-17.732	0.227	-0.253	-2.613	-1243.85
7433_7433	7433	7433	2211.704	89.282	1.174	0.28	3.734	1243.866
7433_7434	7433	7434	-2209.56	-83.221	-1.174	-0.28	-12.194	-622.361
7434_7434	7434	7434	2206.972	135.537	0.009	0.327	12.087	622.363
7434_7435	7434	7435	-2204.97	-129.422	-0.009	-0.327	-12.149	332.93
7435_7435	7435	7435	2204.727	192.719	-13.223	0.45	15.329	-332.923
7435_7436	7435	7436	-2201.99	-183.369	13.223	-0.45	129.092	2386.696
7436_7436	7436	7436	2197.001	235.511	-16.413	-0.058	-128.092	-2386.75
7436_7437	7436	7437	-2196.2	-232.508	16.413	0.058	185.289	3202.221
7437_7437	7437	7437	2199.737	237.791	-30.774	-0.905	-191.399	-3202.15
7437_7072	7437	7072	-2198.81	-234.261	30.774	0.905	317.348	4168.134
7440_7094	7440	7094	2490.778	-213.564	25.882	0.324	-118.109	-2533.66
7440_7441	7440	7441	-2491.7	217.065	-25.882	-0.324	12.068	1651.496
7441_7441	7441	7441	2486.572	-211.114	1.976	-0.099	-13.222	-1651.5
7441_7442	7441	7442	-2487.37	214.093	-1.976	0.099	6.326	909.479
7442_7442	7442	7442	2491.826	-153.739	1.345	-0.18	-6.395	-909.479
7442_7443	7442	7443	-2494.54	162.995	-1.345	0.18	-8.283	-819.427
7443_7443	7443	7443	2494.708	-90.444	-0.442	0.183	7.583	819.422
7443_7444	7443	7444	-2496.69	96.5	0.442	-0.183	-4.399	-1493.42
7444_7444	7444	7444	2498.273	-37.32	0.253	-0.338	4.255	1493.415
7444_7445	7444	7445	-2500.39	43.323	-0.253	0.338	-6.076	-1783.95
7445_7445	7445	7445	2500.535	38.28	-0.828	-0.01	7.175	1783.946
7445_7446	7445	7446	-2505.19	-26.416	0.828	0.01	4.77	-1317.36
7446_7446	7446	7446	2503.642	112.779	3.46	-0.1	-4.41	1317.357
7446_7447	7446	7447	-2506.76	-105.61	-3.46	0.1	-26.21	-351.12
7447_7447	7447	7447	2504.128	156.062	-2.05	0.123	26.547	351.094
7447_7448	7447	7448	-2506.3	-151.34	2.05	-0.123	-15.152	503.397
7448_7448	7448	7448	2490.822	-381.374	-3.5	3.518	17.228	-503.393
7448_7449	7448	7449	-2491.44	384.132	3.5	-3.518	-6.644	-654.155
7449_7449	7449	7449	2490.914	381.799	5.227	-3.736	6.693	654.363
7449_7450	7449	7450	-2490.3	-379.04	-5.227	3.736	-22.504	496.248
7450_7450	7450	7450	2508.437	-153.759	-1.861	0.127	21.741	-496.228
7450_7451	7450	7451	-2506.27	158.48	1.861	-0.127	-11.396	-371.752
7451_7451	7451	7451	2508.95	-108.044	-0.98	-0.231	11.452	371.751
7451_7452	7451	7452	-2505.83	115.213	0.98	0.231	-2.776	-1359.52
7452_7452	7452	7452	2510.614	-28.938	0.074	-0.078	1.876	1359.528
7452_7453	7452	7453	-2505.96	40.801	-0.074	0.078	-2.941	-1862.46
7453_7453	7453	7453	2509.621	40.743	0.501	-0.125	2.731	1862.471
7453_7454	7453	7454	-2507.5	-34.74	-0.501	0.125	-6.343	-1590.57
7454_7454	7454	7454	2505.973	94.148	-0.105	0.115	6.211	1590.565
7454_7455	7454	7455	-2503.99	-88.093	0.105	-0.115	-5.453	-933.613
7455_7455	7455	7455	2507.024	161.187	-1.033	0.216	6.53	933.623
7455_7456	7455	7456	-2504.31	-151.924	1.033	-0.216	4.758	776.63
7456_7456	7456	7456	2500.103	210.076	-3.123	-0.338	-4.574	-776.631
7456_7457	7456	7457	-2499.31	-207.106	3.123	0.338	15.442	1502.447
7457_7457	7457	7457	2504.538	214.703	-19.881	-0.252	-14.191	-1502.43
7457_7110	7457	7110	-2503.62	-211.203	19.881	0.252	95.629	2374.725
7460_7132	7460	7132	2187.214	-313.49	-33.737	-0.987	285.219	-4139.28
7460_7461	7460	7461	-2188.13	317.722	33.737	0.987	-119.845	2592.198
7461_7461	7461	7461	2195.432	-215.321	-11.783	-0.118	117.252	-2592.23
7461_7462	7461	7462	-2196.23	218.299	11.783	0.118	-76.151	1835.969

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7462_7462	7462	7462	2200.842	-165.541	-9.812	-0.264	76.619	-1835.95
7462_7463	7462	7463	-2203.56	174.801	9.812	0.264	30.532	-22.385
7463_7463	7463	7463	2233.154	-112.187	0.039	0.042	-26.571	22.358
7463_7464	7463	7464	-2235.13	118.24	-0.039	-0.042	26.287	-852.703
7464_7464	7464	7464	2237.306	-65.227	3.195	-0.55	-26.708	852.69
7464_7465	7464	7465	-2239.43	71.226	-3.195	0.55	3.7	-1344.04
7465_7465	7465	7465	2272.366	-5.855	0.208	-0.108	-1.946	1343.978
7465_7466	7465	7466	-2277.02	17.713	-0.208	0.108	-1.05	-1513.88
7466_7466	7466	7466	2317.287	44.394	-3.145	0.192	3.417	1513.796
7466_7467	7466	7467	-2320.41	-37.22	3.145	-0.192	24.427	-1152.48
7467_7467	7467	7467	2319.152	84.926	-0.971	-0.368	-24.906	1152.472
7467_7468	7467	7468	-2321.32	-80.206	0.971	0.368	30.301	-693.612
7468_7468	7468	7468	2338.392	-444.774	4.757	-5.198	-30.117	693.536
7468_7469	7468	7469	-2339.01	447.531	-4.757	5.198	15.738	-2042.25
7469_7469	7469	7469	2337.207	444.79	-6.131	5.014	-20.872	2038.571
7469_7470	7469	7470	-2336.59	-442.033	6.131	-5.014	39.405	-698.161
7470_7470	7470	7470	2321.277	-82.478	2.854	-0.376	-39.006	698.148
7470_7471	7470	7471	-2319.11	87.197	-2.854	0.376	23.146	-1169.63
7471_7471	7471	7471	2320.428	-38.443	3.303	-0.114	-23.051	1169.634
7471_7472	7471	7472	-2317.31	45.626	-3.303	0.114	-6.223	-1542.2
7472_7472	7472	7472	2280.642	15.539	-0.355	-0.118	3.378	1542.292
7472_7473	7472	7473	-2275.99	-3.69	0.355	0.118	1.735	-1403.76
7473_7473	7473	7473	2247.769	71.781	1.175	-0.565	-2.903	1403.729
7473_7474	7473	7474	-2245.65	-65.773	-1.175	0.565	-5.573	-907.764
7474_7474	7474	7474	2243.513	117.948	-1.974	0.602	5.134	907.766
7474_7475	7474	7475	-2241.53	-111.895	1.974	-0.602	9.093	-79.528
7475_7475	7475	7475	2219.445	174.875	4.3	0.23	-10.254	79.526
7475_7476	7475	7476	-2216.73	-165.615	-4.3	-0.23	-36.7	1779.642
7476_7476	7476	7476	2212.12	218.751	4.736	-0.291	36.599	-1779.64
7476_7477	7476	7477	-2211.33	-215.774	-4.736	0.291	-53.117	2537.491
7477_7477	7477	7477	2215.18	220.288	3.993	0.589	55.942	-2537.46
7477_7148	7477	7148	-2214.26	-216.789	-3.993	-0.589	-72.291	3432.328
7480_7168	7480	7168	2154.105	-239.326	-24.274	-0.457	97.932	-4485.74
7480_7481	7480	7481	-2155.03	242.825	24.274	0.457	1.467	3498.576
7481_7481	7481	7481	2152.248	-238.797	-3.969	-5.845	-1.858	-3498.52
7481_7482	7481	7482	-2153.04	241.774	3.969	5.845	15.702	2660.374
7482_7482	7482	7482	2158.227	-190.055	1.595	1.574	-13.776	-2660.39
7482_7483	7482	7483	-2160.94	199.315	-1.595	-1.574	-3.648	534.321
7483_7483	7483	7483	2200.218	-138.371	-0.653	-0.192	6.759	-534.357
7483_7484	7483	7484	-2202.2	144.424	0.653	0.192	-2.051	-484.706
7484_7484	7484	7484	2204.959	-93.198	-0.565	-0.259	2.039	484.706
7484_7485	7484	7485	-2207.08	99.206	0.565	0.259	2.038	-1178.44
7485_7485	7485	7485	2253.33	-34.253	-0.748	-0.091	2.298	1178.378
7485_7486	7485	7486	-2257.99	46.11	0.748	0.091	8.484	-1757.71
7486_7486	7486	7486	2314.932	14.655	-1.318	0.502	-3.422	1757.616
7486_7487	7486	7487	-2318.05	-7.48	1.318	-0.502	15.095	-1659.62
7487_7487	7487	7487	2317.407	55.143	0.841	-0.717	-15.784	1659.613
7487_7488	7487	7488	-2319.58	-50.424	-0.841	0.717	11.109	-1366.27
7488_7488	7488	7488	2348.873	-478.638	-0.623	3.874	-9.142	1366.309
7488_7489	7488	7489	-2349.49	481.395	0.623	-3.874	11.027	-2817.4
7489_7489	7489	7489	2351.463	481.851	-1.755	-3.639	24.94	2823.202
7489_7490	7489	7490	-2350.85	-479.094	1.755	3.639	-19.634	-1370.76
7490_7490	7490	7490	2321.072	-49.936	-0.437	-0.844	16.377	1370.761

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7490_7491	7490	7491	-2318.9	54.655	0.437	0.844	-13.948	-1661.39
7491_7491	7491	7491	2319.539	-5.918	-2.611	0.418	13.252	1661.398
7491_7492	7491	7492	-2316.42	13.101	2.611	-0.418	9.889	-1745.68
7492_7492	7492	7492	2259.104	46.389	1.378	0.048	-13.33	1745.811
7492_7493	7492	7493	-2254.45	-34.54	-1.378	-0.048	-6.52	-1162.77
7493_7493	7493	7493	2208.009	100.305	-1.179	0.481	2.469	1162.745
7493_7494	7493	7494	-2205.89	-94.297	1.179	-0.481	6.035	-461.093
7494_7494	7494	7494	2203.1	145.55	1.745	-0.004	-5.818	461.096
7494_7495	7494	7495	-2201.12	-139.497	-1.745	0.004	-6.762	566.077
7495_7495	7495	7495	2162.384	200.4	-0.847	0.104	3.928	-566.074
7495_7496	7495	7496	-2159.67	-191.14	0.847	-0.104	5.323	2703.995
7496_7496	7496	7496	2154.464	242.9	-0.424	0.779	-5.465	-2703.99
7496_7497	7496	7497	-2153.67	-239.922	0.424	-0.779	6.944	3546.076
7497_7497	7497	7497	2155.85	243.694	21.219	0.52	-8.764	-3546.07
7497_7184	7497	7184	-2154.93	-240.195	-21.219	-0.52	-78.124	4536.769
7500_7204	7500	7204	2376.679	-247.384	19.008	0.372	-85.041	-4190.83
7500_7501	7500	7501	-2377.77	251.522	-19.008	-0.372	7.209	3169.376
7501_7501	7501	7501	2376.176	-245.949	0.986	0.243	-8.149	-3169.41
7501_7502	7501	7502	-2377.12	249.471	-0.986	-0.243	4.711	2305.356
7502_7502	7502	7502	2382.417	-192.367	0.518	-0.107	-4.84	-2305.36
7502_7503	7502	7503	-2385.63	203.319	-0.518	0.107	-0.815	144.798
7503_7503	7503	7503	2380.741	-134.425	1.25	-0.43	-0.911	-144.805
7503_7504	7503	7504	-2383.08	141.583	-1.25	0.43	-8.1	-849.797
7504_7504	7504	7504	2385.728	-86.148	-1.92	0.526	8.492	849.793
7504_7505	7504	7505	-2388.24	93.254	1.92	-0.526	5.357	-1496.64
7505_7505	7505	7505	2384.207	-15.411	0.85	0.088	-7.42	1496.649
7505_7506	7505	7506	-2389.71	29.435	-0.85	-0.088	-4.83	-1819.94
7506_7506	7506	7506	2385.288	50.907	-0.033	0.668	4.559	1819.919
7506_7507	7506	7507	-2388.98	-42.421	0.033	-0.668	-4.264	-1406.75
7507_7507	7507	7507	2387.599	91.535	2.206	-0.717	3.681	1406.748
7507_7508	7507	7508	-2390.14	-86	-2.206	0.717	-15.944	-913.424
7508_7508	7508	7508	2356.513	-420.429	-3.221	1.613	16.661	913.374
7508_7509	7508	7509	-2357.24	423.662	3.221	-1.613	-6.925	-2189.19
7509_7509	7509	7509	2357.303	424.098	4.089	-1.129	6.817	2188.94
7509_7510	7509	7510	-2356.58	-420.865	-4.089	1.129	-19.177	-911.781
7510_7510	7510	7510	2385.667	-85.094	0.091	-0.443	18.294	911.742
7510_7511	7510	7511	-2383.13	90.629	-0.091	0.443	-18.801	-1400.03
7511_7511	7511	7511	2384.484	-41.607	-2.144	0.473	18.222	1400.039
7511_7512	7511	7512	-2380.8	50.092	2.144	-0.473	0.762	-1806
7512_7512	7512	7512	2380.128	29.83	0.136	0.173	-0.224	1806.004
7512_7513	7512	7513	-2374.62	-15.806	-0.136	-0.173	-1.741	-1477.02
7513_7513	7513	7513	2374.495	93.129	0.439	0.322	2.567	1477.034
7513_7514	7513	7514	-2371.99	-86.023	-0.439	-0.322	-5.735	-831.082
7514_7514	7514	7514	2369.347	141.134	0.344	0.222	5.729	831.082
7514_7515	7514	7515	-2367.01	-133.975	-0.344	-0.222	-8.212	160.281
7515_7515	7515	7515	2367.793	201.734	-4.849	2.941	9.303	-160.251
7515_7516	7515	7516	-2364.59	-190.782	4.849	-2.941	43.649	2303.49
7516_7516	7516	7516	2359.281	247.464	-15.419	-6.631	-40.73	-2303.54
7516_7517	7516	7517	-2358.34	-243.942	15.419	6.631	94.514	3160.575
7517_7517	7517	7517	2359.213	249.849	-59.145	-3.363	-84.23	-3160.83
7517_7220	7517	7220	-2358.12	-245.711	59.145	3.363	326.428	4175.491
7520_7240	7520	7240	2222.12	49.866	113.358	29.32	-1029.12	-7311.98
7520_7521	7520	7521	-2223.43	-47.11	-113.358	-29.32	753.62	7429.827

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7521_7521	7521	7521	2205.144	-353.89	61.325	-0.412	-744.829	-7403.2
7521_7522	7521	7522	-2206.27	358.119	-61.325	0.412	530.963	6161.663
7522_7522	7522	7522	2214.332	-305.197	56.965	-0.352	-534.525	-6161.36
7522_7523	7522	7523	-2218.19	318.353	-56.965	0.352	-87.586	2756.472
7523_7523	7523	7523	2236	-243.317	-2.232	1.981	78.901	-2754.48
7523_7524	7523	7524	-2238.81	251.918	2.232	-1.981	-62.811	969.608
7524_7524	7524	7524	2244.045	-199.921	-6.424	-1.347	62.18	-969.65
7524_7525	7524	7525	-2247.06	208.46	6.424	1.347	-15.846	-503.228
7525_7525	7525	7525	2236.814	-130.516	-2.621	0.119	11.996	502.923
7525_7526	7525	7526	-2243.43	147.359	2.621	-0.119	25.783	-2505.77
7526_7526	7526	7526	2231.96	-70.461	-1.073	-3.69	-27.081	2503.65
7526_7527	7526	7527	-2236.39	80.654	1.073	3.69	36.579	-3172.66
7527_7527	7527	7527	2237.566	-34.644	-6.956	5.464	-32.788	3172.698
7527_7528	7527	7528	-2240.6	41.24	6.956	-5.464	71.444	-3383.56
7528_7528	7528	7528	2168.804	-513.389	3.092	-10.402	-69.547	3381.845
7528_7529	7528	7529	-2169.67	517.246	-3.092	10.402	60.193	-4940.81
7529_7529	7529	7529	2166.677	502.784	-1.926	9.3	-59.963	4936.239
7529_7530	7529	7530	-2165.82	-498.94	1.926	-9.3	65.769	-3425.88
7530_7530	7530	7530	2207.698	32.851	13.465	-7.225	-62.965	3425.599
7530_7531	7530	7531	-2204.67	-26.253	-13.465	7.225	-11.875	-3261.34
7531_7531	7531	7531	2203.678	72.058	6.101	3.585	6.92	3261.36
7531_7532	7531	7532	-2199.25	-61.857	-6.101	-3.585	-60.974	-2668.11
7532_7532	7532	7532	2187.862	131.676	-2.526	-0.018	59.111	2666.844
7532_7533	7532	7533	-2181.25	-114.839	2.526	0.018	-22.708	-890.539
7533_7533	7533	7533	2168.366	183.98	-1.141	1.414	22.656	890.449
7533_7534	7533	7534	-2165.35	-175.439	1.141	-1.414	-14.42	406.14
7534_7534	7534	7534	2160.765	224.936	-5.749	0.187	14.742	-406.131
7534_7535	7534	7535	-2157.95	-216.343	5.749	-0.187	26.67	1995.405
7535_7535	7535	7535	2143.315	278.211	27.471	6.582	-23.581	-1993.89
7535_7536	7535	7536	-2139.46	-265.048	-27.471	-6.582	-276.59	4961.971
7536_7536	7536	7536	2132.628	315.798	21.685	-14.008	280.412	-4961.74
7536_7537	7536	7537	-2131.5	-311.568	-21.685	14.008	-356.037	6055.685
7537_7537	7537	7537	2141.917	313.698	-43.376	-113.43	366.293	-6071.61
7537_7253	7537	7253	-2140.61	-308.735	43.376	113.43	-188.954	7343.985
7540_7275	7540	7275	3374.154	-310.544	-8.283	52.51	-666.284	-4136.26
7540_7541	7540	7541	-3375.56	315.889	8.283	-52.51	700.178	2854.594
7541_7541	7541	7541	3351.637	-319.38	48.83	-6.563	-690.681	-2880.02
7541_7542	7541	7542	-3352.85	323.944	-48.83	6.563	519.959	1755.405
7542_7542	7542	7542	3359.943	-240.778	41.845	2.59	-521.055	-1755.09
7542_7543	7542	7543	-3364.09	254.927	-41.845	-2.59	64.325	-950.152
7543_7543	7543	7543	3383.808	-155.233	6.462	-5.06	-69.905	944.399
7543_7544	7543	7544	-3386.83	164.492	-6.462	5.06	23.311	-2097.14
7544_7544	7544	7544	3389.775	-84.619	-2.985	1.387	-21.342	2097.17
7544_7545	7544	7545	-3393.02	93.8	2.985	-1.387	42.855	-2740.2
7545_7545	7545	7545	3379.092	14.221	0.876	-1.963	-46.154	2735.084
7545_7546	7545	7546	-3386.21	3.903	-0.876	1.963	33.521	-2660.72
7546_7546	7546	7546	3368.763	105.271	12.283	-2.769	-35.337	2657.359
7546_7547	7546	7547	-3373.53	-94.296	-12.283	2.769	-73.462	-1773.49
7547_7547	7547	7547	3370.826	165.187	1.627	1.171	75.908	1773.391
7547_7548	7547	7548	-3374.08	-158.112	-1.627	-1.171	-84.944	-875.561
7548_7548	7548	7548	3331.341	-556.57	-1.188	3.921	85.867	870.276
7548_7549	7548	7549	-3332.27	560.705	1.188	-3.921	-82.276	-2558.91
7549_7549	7549	7549	3353.372	589.777	-5.618	-5.803	82.949	2567.127

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7549_7550	7549	7550	-3352.42	-585.711	5.618	5.803	-66.212	-816.034
7550_7550	7550	7550	3380.652	-154.264	8.895	-2.105	64.551	812.268
7550_7551	7550	7551	-3377.22	161.413	-8.895	2.105	-114.874	-1705.21
7551_7551	7551	7551	3380.084	-82.235	0.822	-0.768	112.972	1705.337
7551_7552	7551	7552	-3375.4	92.607	-0.822	0.768	-119.901	-2441.93
7552_7552	7552	7552	3365.821	37.551	-0.232	-1.444	117.567	2441.24
7552_7553	7552	7553	-3358.69	-19.92	0.232	1.444	-114.303	-2036.66
7553_7553	7553	7553	3343.859	145.505	4.748	0.939	113.393	2036.854
7553_7554	7553	7554	-3340.63	-136.553	-4.748	-0.939	-146.843	-1043.36
7554_7554	7554	7554	3336.116	220.928	0.167	-1.307	146.333	1043.436
7554_7555	7554	7555	-3333.12	-211.905	-0.167	1.307	-147.507	479.912
7555_7555	7555	7555	3331.054	325.55	-33.231	2.201	153.495	-476.651
7555_7556	7555	7556	-3327.02	-311.739	33.231	-2.201	200.479	3870.795
7556_7556	7556	7556	3316.98	404.666	-34.669	6.073	-199.884	-3870.82
7556_7557	7556	7557	-3315.81	-400.186	34.669	-6.073	318.75	5250.562
7557_7557	7557	7557	3439.99	96.054	-328.982	-36.655	-305.685	-5250.61
7557_7288	7557	7288	-3438.13	-90.729	328.982	36.655	1679.712	5640.666
8000_8000	8000	8000	7.387	10.559	-0.08	0.027	0	-8.693
8000_8001	8000	8001	-18.309	4.643	0.08	-0.027	0.75	48.085
8001_8001	8001	8001	18.309	-4.643	-0.08	0.053	-0.75	-48.085
8001_8002	8001	8002	-28.927	19.422	0.08	-0.053	1.48	-50.698
8002_8002	8002	8002	28.929	20.187	0.084	0.001	-1.48	50.621
8002_8003	8002	8003	-26.405	-0.63	-0.084	-0.001	0.466	72.965
8003_8003	8003	8003	26.402	0.63	0.084	0.067	-0.466	-72.966
8003_8004	8003	8004	-23.879	18.912	-0.084	-0.067	-0.547	-39.919
8004_8004	8004	8004	23.878	20.155	-0.021	0.02	0.547	40.107
8004_8005	8004	8005	-23.34	-0.594	0.021	-0.02	-0.294	85.049
8005_8005	8005	8005	23.339	0.594	-0.021	0.028	0.294	-85.049
8005_8006	8005	8006	-22.801	18.951	0.021	-0.028	-0.041	-26.369
8006_8006	8006	8006	22.804	19.779	0.008	0.006	0.041	26.285
8006_8007	8006	8007	-22.428	-0.217	-0.008	-0.006	-0.141	94.425
8007_8007	8007	8007	22.428	0.217	0.008	0.015	0.141	-94.425
8007_8008	8007	8008	-22.053	19.328	-0.008	-0.015	-0.241	-21.435
8008_8008	8008	8008	22.054	19.43	-0.003	-0.002	0.241	21.436
8008_8009	8008	8009	-22.047	0.119	0.003	0.002	-0.206	95.296
8009_8009	8009	8009	22.047	-0.119	-0.003	-0.002	0.206	-95.296
8009_8010	8009	8010	-22.04	19.668	0.003	0.002	-0.17	-24.434
8010_8010	8010	8010	22.029	19.224	0.001	-0.017	0.17	24.642
8010_8011	8010	8011	-22.485	0.341	-0.001	0.017	-0.183	89.99
8011_8011	8011	8011	22.485	-0.341	0.001	-0.008	0.183	-89.99
8011_8012	8011	8012	-22.94	19.89	-0.001	0.008	-0.196	-32.03
8012_8012	8012	8012	22.936	18.701	0.009	-0.021	0.196	32.029
8012_8013	8012	8013	-22.085	0.852	-0.009	0.021	-0.299	74.777
8013_8013	8013	8013	22.085	-0.852	0.009	-0.021	0.299	-74.777
8013_8014	8013	8014	-21.234	20.405	-0.009	0.021	-0.402	-54.978
8014_8014	8014	8014	21.237	18.426	-0.009	-0.028	0.402	54.916
8014_8015	8014	8015	-38.718	6.941	0.009	0.028	-0.255	53.494
8015_8015	8015	8015	38.655	-6.943	-0.009	-0.02	0.257	-53.396
8015_8016	8015	8016	-47.841	20.278	0.009	0.02	-0.179	-49.301
8016_8016	8016	8016	17.518	19.733	-0.018	-0.021	0.351	99.22
8016_8017	8016	8017	-21.819	-1.019	0.018	0.021	-0.135	27.241
8017_8017	8017	8017	21.818	1.019	-0.018	-0.028	0.135	-27.241
8017_8018	8017	8018	-26.667	20.085	0.018	0.028	0.107	-93.922

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8018_8018	8018	8018	26.671	19.403	0.082	-0.018	-0.107	94.04
8018_8019	8018	8019	-25.448	0.514	-0.082	0.018	-0.921	22.866
8019_8019	8019	8019	25.448	-0.514	0.082	-0.015	0.921	-22.866
8019_8020	8019	8020	-24.226	20.416	-0.082	0.015	-1.947	-109.082
8020_8020	8020	8020	24.193	21.139	-0.057	-0.021	1.947	109.121
8020_8021	8020	8021	-24.017	-6.009	0.057	0.021	-1.409	19.756
8021_8021	8021	8021	24	6.009	-0.057	-0.015	1.408	-19.733
8021_8022	8021	8022	-23.856	6.348	0.057	0.015	-0.968	18.377
8022_8022	8022	8022	23.856	-6.348	-0.057	-0.012	0.968	-18.377
8022_8023	8022	8023	-23.713	18.689	0.057	0.012	-0.527	-78.658
8023_8023	8023	8023	23.715	19.364	-0.088	0	0.527	78.627
8023_8024	8023	8024	-23.291	-6.621	0.088	0	0.18	24.985
8024_8024	8024	8024	23.29	6.621	-0.088	-0.03	-0.18	-24.985
8024_8025	8024	8025	-22.866	6.119	0.088	0.03	0.882	26.67
8025_8025	8025	8025	22.867	-6.119	-0.088	0.002	-0.882	-26.67
8025_8026	8025	8026	-22.443	18.862	0.088	-0.002	1.59	-73.574
8026_8026	8026	8026	22.442	18.97	-0.017	-0.021	-1.59	73.574
8026_8027	8026	8027	-22.522	-9.406	0.017	0.021	1.689	11.671
8027_8027	8027	8027	22.522	9.406	-0.016	-0.038	-1.689	-11.671
8027_8028	8027	8028	-22.603	0.141	0.016	0.038	1.783	39.493
8028_8028	8028	8028	22.603	-0.141	-0.017	0.02	-1.783	-39.493
8028_8029	8028	8029	-22.683	9.705	0.017	-0.02	1.883	9.995
8029_8029	8029	8029	22.683	-9.705	-0.016	0.004	-1.883	-9.995
8029_8030	8029	8030	-22.764	19.267	0.016	-0.004	1.976	-76.906
8030_8030	8030	8030	22.765	18.457	0.052	-0.002	-1.976	76.868
8030_8031	8030	8031	-23.313	-5.722	-0.052	0.002	1.563	20.184
8031_8031	8031	8031	23.313	5.722	0.052	-0.004	-1.563	-20.184
8031_8032	8031	8032	-23.862	7.03	-0.052	0.004	1.15	15.342
8032_8032	8032	8032	23.862	-7.03	0.052	-0.022	-1.15	-15.342
8032_8033	8032	8033	-24.411	19.763	-0.052	0.022	0.731	-91.361
8033_8033	8033	8033	24.409	18.684	0.063	0	-0.731	91.377
8033_8034	8033	8034	-24.597	-6.339	-0.063	0	0.24	5.7
8034_8034	8034	8034	24.597	6.339	0.064	-0.007	-0.24	-5.7
8034_8035	8034	8035	-24.785	6.005	-0.064	0.007	-0.257	7.102
8035_8035	8035	8035	24.785	-6.005	0.064	-0.004	0.257	-7.102
8035_8036	8035	8036	-25.015	21.135	-0.064	0.004	-0.864	-121.662
8036_8036	8036	8036	25.016	20.963	-0.038	-0.003	0.864	121.711
8036_8037	8036	8037	-26.09	-1.047	0.038	0.003	-0.383	16.812
8037_8037	8037	8037	26.09	1.047	-0.039	-0.002	0.383	-16.812
8037_8038	8037	8038	-27.162	18.854	0.039	0.002	0.098	-93.508
8038_8038	8038	8038	27.169	14.691	-0.148	0	-0.098	93.638
8038_8039	8038	8039	-18.73	6.416	0.148	0	2.056	-47.776
8039_8039	8039	8039	56.72	-3.698	0.027	0.013	-0.041	-12.638
8039_8040	8039	8040	-103.668	22.069	-0.027	-0.013	-0.274	-87.899
8040_8040	8040	8040	103.677	18.71	-0.012	-0.002	0.274	88.021
8040_8041	8040	8041	-104.599	-5.82	0.012	0.002	-0.177	14.96
8041_8041	8041	8041	104.598	5.82	-0.012	0.017	0.177	-14.96
8041_8042	8041	8042	-106.305	18.047	0.012	-0.017	0.003	-75.027
8042_8042	8042	8042	106.302	20.114	0.01	0.012	-0.003	75.217
8042_8043	8042	8043	-97.651	-1.533	-0.01	-0.012	-0.113	44.328
8043_8043	8043	8043	97.651	1.533	0.01	0.007	0.113	-44.328
8043_8044	8043	8044	-88.992	17.064	-0.01	-0.007	-0.228	-57.218
8044_8044	8044	8044	89.012	19.409	-0.002	-0.025	0.228	56.894

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8044_8045	8044	8045	-82.352	-0.827	0.002	0.025	-0.202	56.282
8045_8045	8045	8045	82.352	0.827	-0.002	0.036	0.202	-56.282
8045_8046	8045	8046	-75.691	17.755	0.002	-0.036	-0.175	-51.473
8046_8046	8046	8046	75.704	18.965	-0.001	-0.027	0.175	51.243
8046_8047	8046	8047	-69.872	-0.392	0.001	0.027	-0.167	57.353
8047_8047	8047	8047	69.872	0.392	-0.001	0.026	0.167	-57.353
8047_8048	8047	8048	-64.035	18.198	0.001	-0.026	-0.16	-54.971
8048_8048	8048	8048	64.04	18.598	0.008	-0.026	0.16	54.845
8048_8049	8048	8049	-57.571	-0.025	-0.008	0.026	-0.259	48.437
8049_8049	8049	8049	57.572	0.025	0.008	0.016	0.259	-48.436
8049_8050	8049	8050	-51.097	18.565	-0.008	-0.016	-0.358	-69.207
8050_8050	8050	8050	51.103	17.609	-0.015	-0.008	0.358	68.981
8050_8051	8050	8051	-50.684	6.257	0.015	0.008	-0.133	17.232
8051_8051	8051	8051	50.63	-6.257	-0.015	-0.007	0.134	-17.149
8051_8052	8051	8052	-50.405	19.146	0.015	0.007	-0.013	-87.854
8052_8052	8052	8052	50.403	19.571	-0.018	-0.007	0.013	87.928
8052_8053	8052	8053	-28.245	-1.194	0.018	0.007	0.2	7.773
8053_8053	8053	8053	27.775	2.238	-0.044	-0.003	-0.071	-7.808
8053_8054	8053	8054	-30.476	17.823	0.044	0.003	0.649	-92.784
8054_8054	8054	8054	30.47	18.351	0.095	0.007	-0.649	92.928
8054_8055	8054	8055	-31.087	0.592	-0.095	-0.007	-0.54	19.098
8055_8055	8055	8055	31.086	-0.592	0.095	-0.005	0.54	-19.098
8055_8056	8055	8056	-31.702	19.52	-0.095	0.005	-1.728	-105.595
8056_8056	8056	8056	31.708	20.104	-0.086	0.008	1.728	105.566
8056_8057	8056	8057	-31.099	-5.718	0.086	-0.008	-0.913	16.483
8057_8057	8057	8057	31.08	5.718	-0.086	-0.003	0.912	-16.461
8057_8058	8057	8058	-30.583	6.024	0.086	0.003	-0.248	14.798
8058_8058	8058	8058	30.583	-6.024	-0.086	-0.003	0.248	-14.798
8058_8059	8058	8059	-30.085	17.767	0.086	0.003	0.416	-77.898
8059_8059	8059	8059	30.085	18.767	-0.067	0.006	-0.416	77.887
8059_8060	8059	8060	-28.64	-6.649	0.067	-0.006	0.95	22.325
8060_8060	8060	8060	28.64	6.649	-0.067	0.006	-0.95	-22.325
8060_8061	8060	8061	-27.196	5.469	0.067	-0.006	1.484	25.591
8061_8061	8061	8061	27.196	-5.469	-0.067	0.006	-1.484	-25.591
8061_8062	8061	8062	-25.752	17.587	0.067	-0.006	2.018	-68.09
8062_8062	8062	8062	25.754	18.303	0.001	0.034	-2.018	67.845
8062_8063	8062	8063	-25.17	-9.222	-0.001	-0.034	2.012	14.002
8063_8063	8063	8063	25.17	9.222	0.001	0.034	-2.012	-14.002
8063_8064	8063	8064	-24.586	-0.141	-0.001	-0.034	2.006	41.404
8064_8064	8064	8064	24.586	0.141	0.001	-0.032	-2.006	-41.405
8064_8065	8064	8065	-24.001	8.954	-0.001	0.032	1.999	14.277
8065_8065	8065	8065	24.002	-8.954	0.001	-0.015	-1.999	-14.277
8065_8066	8065	8066	-23.418	18.035	-0.001	0.015	1.993	-67.296
8066_8066	8066	8066	23.417	18.06	0.088	-0.005	-1.993	67.464
8066_8067	8066	8067	-22.547	-5.931	-0.088	0.005	1.291	27.44
8067_8067	8067	8067	22.547	5.931	0.088	-0.003	-1.291	-27.44
8067_8068	8067	8068	-21.678	6.183	-0.088	0.003	0.589	25.284
8068_8068	8068	8068	21.678	-6.183	0.088	0.021	-0.589	-25.284
8068_8069	8068	8069	-20.809	18.297	-0.088	-0.021	-0.112	-73.765
8069_8069	8069	8069	20.806	17.54	0.062	0.001	0.112	73.822
8069_8070	8069	8070	-21.623	-5.806	-0.062	-0.001	-0.589	17.457
8070_8070	8070	8070	21.623	5.806	0.062	0	0.589	-17.457
8070_8071	8070	8071	-22.442	5.943	-0.062	0	-1.066	17.779

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8071_8071	8071	8071	22.421	-5.943	0.061	0.021	1.069	-17.757
8071_8072	8071	8072	-23.423	20.334	-0.061	-0.021	-1.652	-106.039
8072_8072	8072	8072	23.447	20.304	-0.04	0	1.652	105.979
8072_8073	8072	8073	-22.178	-1.381	0.04	0	-1.149	27.756
8073_8073	8073	8073	22.177	1.381	-0.04	0.017	1.149	-27.756
8073_8074	8073	8074	-20.907	17.558	0.04	-0.017	-0.644	-75.102
8074_8074	8074	8074	20.908	14.584	-0.214	0.009	0.644	75.158
8074_8075	8074	8075	-2.589	5.478	0.214	-0.009	2.196	-34.625
8075_8075	8075	8075	45.709	-2.885	0.024	0.02	0.256	-34.494
8075_8076	8075	8076	-88.262	20.295	-0.024	-0.02	-0.543	-52.727
8076_8076	8076	8076	88.276	17.314	-0.022	0.035	0.543	52.749
8076_8077	8076	8077	-85.123	-5.087	0.022	-0.035	-0.359	36.618
8077_8077	8077	8077	85.048	5.088	-0.022	0.004	0.362	-36.491
8077_8078	8077	8078	-79.76	15.419	0.022	-0.004	-0.053	-40.173
8078_8078	8078	8078	79.755	17.557	0.006	-0.02	0.053	40.241
8078_8079	8078	8079	-75.526	-0.997	-0.006	0.02	-0.124	58.727
8079_8079	8079	8079	75.525	0.997	0.006	0.044	0.124	-58.728
8079_8080	8079	8080	-71.296	15.563	-0.006	-0.044	-0.194	-27.412
8080_8080	8080	8080	71.301	16.702	-0.002	0.009	0.194	27.413
8080_8081	8080	8081	-68.56	-0.147	0.002	-0.009	-0.175	63.644
8081_8081	8081	8081	68.56	0.147	-0.002	0.006	0.175	-63.644
8081_8082	8081	8082	-65.817	16.423	0.002	-0.006	-0.155	-30.475
8082_8082	8082	8082	65.827	17.954	0	0.003	0.155	30.305
8082_8083	8082	8083	-62.838	-0.168	0	-0.003	-0.154	74.922
8083_8083	8083	8083	62.838	0.168	0	0	0.154	-74.922
8083_8084	8083	8084	-59.847	17.634	0	0	-0.153	-33.575
8084_8084	8084	8084	59.844	16.66	-0.004	-0.003	0.153	33.586
8084_8085	8084	8085	-57.653	-0.108	0.004	0.003	-0.108	57.291
8085_8085	8085	8085	57.653	0.108	-0.004	-0.005	0.108	-57.291
8085_8086	8085	8086	-55.46	16.459	0.004	0.005	-0.064	-36.926
8086_8086	8086	8086	55.47	16.204	0.009	-0.01	0.064	36.769
8086_8087	8086	8087	-52.827	0.362	-0.009	0.01	-0.164	48.338
8087_8087	8087	8087	52.827	-0.362	0.009	-0.007	0.164	-48.338
8087_8088	8087	8088	-50.187	16.914	-0.009	0.007	-0.264	-51.641
8088_8088	8088	8088	50.181	14.51	-0.02	-0.011	0.264	51.64
8088_8089	8088	8089	-54.059	5.226	0.02	0.011	-0.002	14.218
8089_8089	8089	8089	54.006	-5.226	-0.02	-0.016	0.002	-14.143
8089_8090	8089	8090	-56.407	17.445	0.02	0.016	0.16	-76.862
8090_8090	8090	8090	56.404	17.901	-0.003	-0.011	-0.16	76.889
8090_8091	8090	8091	-37.161	-0.493	0.003	0.011	0.192	7.512
8091_8091	8091	8091	37.12	1.402	-0.011	-0.01	-0.209	-7.843
8091_8092	8091	8092	-41.75	17.936	0.011	0.01	0.355	-97.027
8092_8092	8092	8092	41.74	17.948	0.037	-0.005	-0.355	96.878
8092_8093	8092	8093	-41.551	0.291	-0.037	0.005	-0.103	13.608
8093_8093	8093	8093	41.551	-0.291	0.037	-0.005	0.103	-13.608
8093_8094	8093	8094	-41.362	18.53	-0.037	0.005	-0.561	-103.875
8094_8094	8094	8094	41.37	19.262	-0.046	-0.004	0.561	103.833
8094_8095	8094	8095	-40.984	-5.404	0.046	0.004	-0.123	12.941
8095_8095	8095	8095	40.917	5.404	-0.046	-0.011	0.12	-12.854
8095_8096	8095	8096	-40.602	5.914	0.046	0.011	0.236	10.593
8096_8096	8096	8096	40.602	-5.914	-0.046	0.002	-0.236	-10.592
8096_8097	8096	8097	-40.287	17.217	0.046	-0.002	0.591	-79.273
8097_8097	8097	8097	40.287	17.974	0.022	-0.006	-0.591	79.267

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8097_8098	8097	8098	-39.339	-6.293	-0.022	0.006	0.416	16.886
8098_8098	8098	8098	39.34	6.293	0.022	0.014	-0.416	-16.886
8098_8099	8098	8099	-38.393	5.373	-0.022	-0.014	0.242	19.599
8099_8099	8099	8099	38.393	-5.373	0.022	-0.009	-0.242	-19.6
8099_8100	8099	8100	-37.446	17.053	-0.022	0.009	0.068	-71.119
8100_8100	8100	8100	37.446	17.549	0	0.001	-0.068	71.141
8100_8101	8100	8101	-37.124	-8.803	0	-0.001	0.071	7.431
8101_8101	8101	8101	37.124	8.803	0	0.001	-0.071	-7.431
8101_8102	8101	8102	-36.801	-0.043	0	-0.001	0.074	33.586
8102_8102	8102	8102	36.801	0.043	0	0.001	-0.074	-33.586
8102_8103	8102	8103	-36.479	8.718	0	-0.001	0.077	7.149
8103_8103	8103	8103	36.479	-8.718	0	-0.006	-0.077	-7.149
8103_8104	8103	8104	-36.156	17.478	0	0.006	0.08	-71.874
8104_8104	8104	8104	36.15	17.225	-0.022	0.012	-0.08	71.71
8104_8105	8104	8105	-35.847	-5.56	0.022	-0.012	0.256	18.788
8105_8105	8105	8105	35.847	5.56	-0.022	-0.008	-0.256	-18.788
8105_8106	8105	8106	-35.543	6.119	0.022	0.008	0.432	15.982
8106_8106	8106	8106	35.543	-6.119	-0.022	-0.008	-0.432	-15.982
8106_8107	8106	8107	-35.239	17.783	0.022	0.008	0.608	-80.115
8107_8107	8107	8107	35.238	17.033	0.038	0.005	-0.608	80.144
8107_8108	8107	8108	-35.627	-5.719	-0.038	-0.005	0.314	8.449
8108_8108	8108	8108	35.627	5.719	0.038	0.005	-0.314	-8.449
8108_8109	8108	8109	-36.016	5.595	-0.038	-0.005	0.02	9.317
8109_8109	8109	8109	36.039	-5.595	0.038	-0.003	-0.021	-9.346
8109_8110	8109	8110	-36.516	19.45	-0.038	0.003	-0.34	-109.063
8110_8110	8110	8110	36.512	19.256	-0.008	0.01	0.34	109.12
8110_8111	8110	8111	-36.604	-1.01	0.008	-0.01	-0.236	17.208
8111_8111	8111	8111	36.605	1.01	-0.008	-0.002	0.236	-17.207
8111_8112	8111	8112	-36.698	17.236	0.008	0.002	-0.133	-84.612
8112_8112	8112	8112	36.698	13.898	-0.109	0.01	0.133	84.64
8112_8113	8112	8113	-21.705	5.428	0.109	-0.01	1.316	-45.251
8113_8113	8113	8113	60.841	-3.168	0.014	0.009	0.166	-17.973
8113_8114	8113	8114	-101.625	20.28	-0.014	-0.009	-0.33	-72.265
8114_8114	8114	8114	101.639	16.795	-0.012	-0.038	0.33	72.281
8114_8115	8114	8115	-102.363	-4.781	0.012	0.038	-0.228	18.225
8115_8115	8115	8115	102.36	4.781	-0.012	0.042	0.228	-18.226
8115_8116	8115	8116	-103.574	15.374	0.012	-0.042	-0.056	-52.587
8116_8116	8116	8116	103.573	17.795	0.006	0.04	0.056	52.606
8116_8117	8116	8117	-96.785	-1.528	-0.006	-0.04	-0.119	47.887
8117_8117	8117	8117	96.786	1.528	0.006	-0.021	0.119	-47.887
8117_8118	8117	8118	-89.992	14.752	-0.006	0.021	-0.182	-33.5
8118_8118	8118	8118	89.995	16.795	-0.005	0.038	0.182	33.501
8118_8119	8118	8119	-85.63	-0.516	0.005	-0.038	-0.124	58.53
8119_8119	8119	8119	85.63	0.516	-0.005	-0.026	0.124	-58.53
8119_8120	8119	8120	-81.269	15.749	0.005	0.026	-0.065	-31.302
8120_8120	8120	8120	81.248	18.009	-0.001	0.036	0.065	31.548
8120_8121	8120	8121	-76.406	-0.521	0.001	-0.036	-0.056	74.24
8121_8121	8121	8121	76.406	0.521	-0.001	-0.035	0.056	-74.24
8121_8122	8121	8122	-71.564	16.967	0.001	0.035	-0.047	-30.025
8122_8122	8122	8122	71.563	16.662	-0.004	0.025	0.047	30.025
8122_8123	8122	8123	-67.806	-0.383	0.004	-0.025	-0.004	60.842
8123_8123	8123	8123	67.805	0.383	-0.004	-0.035	0.004	-60.843
8123_8124	8123	8124	-64.048	15.895	0.004	0.035	0.04	-30.295

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8124_8124	8124	8124	64.048	16.142	0.001	-0.008	-0.04	30.303
8124_8125	8124	8125	-59.766	0.122	-0.001	0.008	0.028	53.874
8125_8125	8125	8125	59.766	-0.122	0.001	-0.009	-0.028	-53.874
8125_8126	8125	8126	-55.48	16.401	-0.001	0.009	0.017	-43.796
8126_8126	8126	8126	55.455	14.398	-0.007	-0.018	-0.017	43.974
8126_8127	8126	8127	-58.054	5.199	0.007	0.018	0.112	20.648
8127_8127	8127	8127	58.055	-5.199	-0.007	0.002	-0.112	-20.647
8127_8128	8127	8128	-59.648	17.211	0.007	-0.002	0.17	-70.136
8128_8128	8128	8128	59.64	17.795	-0.028	-0.003	-0.17	69.967
8128_8129	8128	8129	-39.462	-0.687	0.028	0.003	0.501	13.387
8129_8129	8129	8129	39.439	1.592	-0.072	-0.011	-0.581	-13.575
8129_8130	8129	8130	-44.392	17.706	0.072	0.011	1.541	-88.188
8130_8130	8130	8130	44.389	17.094	0.089	-0.003	-1.541	88.07
8130_8131	8130	8131	-45.069	1.112	-0.089	0.003	0.431	12.934
8131_8131	8131	8131	45.069	-1.112	0.089	-0.003	-0.431	-12.934
8131_8132	8131	8132	-45.749	19.318	-0.089	0.003	-0.679	-113.635
8132_8132	8132	8132	43.857	18.318	-0.011	-0.017	0.679	81.274
8132_8133	8132	8133	-43.046	-4.481	0.011	0.017	-0.579	26.216
8133_8133	8133	8133	43.045	4.481	-0.014	0.02	0.579	-26.215
8133_8134	8133	8134	-42.384	6.806	0.014	-0.02	-0.469	16.549
8134_8134	8134	8134	42.385	-6.806	-0.011	0.001	0.469	-16.549
8134_8135	8134	8135	-41.723	18.094	0.011	-0.001	-0.383	-80.598
8135_8135	8135	8135	41.74	18.309	0.046	-0.009	0.383	80.774
8135_8136	8135	8136	-40.688	-6.657	-0.046	0.009	-0.749	17.965
8136_8136	8136	8136	40.688	6.657	0.046	-0.009	0.749	-17.965
8136_8137	8136	8137	-39.635	4.995	-0.046	0.009	-1.114	23.488
8137_8137	8137	8137	39.636	-4.995	0.043	0.016	1.114	-23.488
8137_8138	8137	8138	-38.584	16.646	-0.043	-0.016	-1.457	-64.203
8138_8138	8138	8138	38.583	17.452	-0.05	-0.02	1.457	64.203
8138_8139	8138	8139	-38.122	-8.713	0.05	0.02	-1.159	13.715
8139_8139	8139	8139	38.121	8.713	-0.046	-0.036	1.159	-13.715
8139_8140	8139	8140	-37.66	0.026	0.046	0.036	-0.884	39.2
8140_8140	8140	8140	37.66	-0.026	-0.05	0.022	0.884	-39.2
8140_8141	8140	8141	-37.198	8.765	0.05	-0.022	-0.586	12.251
8141_8141	8141	8141	37.198	-8.765	-0.05	0.022	0.586	-12.251
8141_8142	8141	8142	-36.737	17.504	0.05	-0.022	-0.289	-67.131
8142_8142	8142	8142	36.736	17.167	-0.036	-0.014	0.289	67.13
8142_8143	8142	8143	-36.349	-5.515	0.036	0.014	-0.004	22.803
8143_8143	8143	8143	36.349	5.515	-0.038	0.009	0.004	-22.803
8143_8144	8143	8144	-35.961	6.137	0.038	-0.009	0.303	19.521
8144_8144	8144	8144	35.961	-6.137	-0.036	-0.009	-0.303	-19.521
8144_8145	8144	8145	-35.574	17.789	0.036	0.009	0.587	-76.975
8145_8145	8145	8145	35.574	16.877	0.004	-0.005	-0.587	76.975
8145_8146	8145	8146	-36.565	-5.589	-0.004	0.005	0.557	11.12
8146_8146	8146	8146	36.566	5.589	0.001	0.002	-0.557	-11.12
8146_8147	8146	8147	-37.556	5.699	-0.001	-0.002	0.55	11.735
8147_8147	8147	8147	37.636	-5.699	0.003	-0.003	-0.551	-11.83
8147_8148	8147	8148	-38.851	19.535	-0.003	0.003	0.525	-106.753
8148_8148	8148	8148	38.849	19.527	0.017	-0.006	-0.525	106.752
8148_8149	8148	8149	-38.122	-1.321	-0.017	0.006	0.313	22.312
8149_8149	8149	8149	38.121	1.321	0.015	0.008	-0.313	-22.312
8149_8150	8149	8150	-37.394	16.885	-0.015	-0.008	0.125	-76.199
8150_8150	8150	8150	37.395	13.104	-0.037	0.012	-0.125	76.199

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8150_8151	8150	8151	-18.376	6.194	0.037	-0.012	0.618	-52.177
8151_8151	8151	8151	66.904	-3.467	0.001	0.002	-0.128	-26.56
8151_8152	8151	8152	-113.283	21.317	-0.001	-0.002	0.113	-66.177
8152_8152	8152	8152	113.282	17.197	0.001	0.031	-0.113	66.177
8152_8153	8152	8153	-114.39	-4.663	-0.001	-0.031	0.105	25.917
8153_8153	8153	8153	114.582	4.664	0.002	-0.003	-0.106	-26.255
8153_8154	8153	8154	-116.438	16.225	-0.002	0.003	0.077	-50.021
8154_8154	8154	8154	116.438	18.369	0.003	-0.025	-0.077	50.021
8154_8155	8154	8155	-108.658	-1.659	-0.003	0.025	0.044	51.759
8155_8155	8155	8155	108.658	1.659	0.002	0.039	-0.044	-51.759
8155_8156	8155	8156	-100.878	15.052	-0.002	-0.039	0.026	-30.282
8156_8156	8156	8156	100.879	16.275	0.002	0.002	-0.026	30.282
8156_8157	8156	8157	-96.197	-1.084	-0.002	-0.002	0.009	51.469
8157_8157	8157	8157	96.197	1.084	0.002	0.002	-0.009	-51.469
8157_8158	8157	8158	-91.516	14.108	-0.002	-0.002	-0.008	-18.699
8158_8158	8158	8158	91.516	15.075	0.002	-0.034	0.008	18.699
8158_8159	8158	8159	-86.79	0.117	-0.002	0.034	-0.027	50.832
8159_8159	8159	8159	86.79	-0.117	0	0.027	0.027	-50.832
8159_8160	8159	8160	-82.064	15.309	0	-0.027	-0.032	-31.555
8160_8160	8160	8160	82.053	16.422	0.002	0.018	0.032	31.736
8160_8161	8160	8161	-76.772	0.288	-0.002	-0.018	-0.05	50.813
8161_8161	8161	8161	76.771	-0.288	0.003	-0.033	0.05	-50.813
8161_8162	8161	8162	-71.49	16.999	-0.003	0.033	-0.083	-50.459
8162_8162	8162	8162	71.49	15.425	0	-0.016	0.083	50.459
8162_8163	8162	8163	-72.918	5.464	0	0.016	-0.076	19.903
8163_8163	8163	8163	73.067	-5.464	-0.002	0.001	0.076	-20.11
8163_8164	8163	8164	-73.926	17.997	0.002	-0.001	-0.063	-75.535
8164_8164	8164	8164	73.925	18.85	0.007	-0.01	0.063	75.534
8164_8165	8164	8165	-51.352	-1	-0.007	0.01	-0.15	12.684
8165_8165	8165	8165	51.378	1.89	-0.018	-0.005	0.249	-12.752
8165_8166	8165	8166	-55.7	18.775	0.018	0.005	-0.007	-94.303
8166_8166	8166	8166	55.695	18.883	-0.001	0.007	0.007	94.163
8166_8167	8166	8167	-56.245	0.613	0.001	-0.007	0.003	20.835
8167_8167	8167	8167	56.244	-0.613	0.001	-0.008	-0.003	-20.836
8167_8168	8167	8168	-56.794	20.109	-0.001	0.008	-0.004	-107.866
8168_8168	8168	8168	56.78	20.658	0.001	0.001	0.004	107.747
8168_8169	8168	8169	-56.508	-5.841	-0.001	-0.001	-0.017	17.976
8169_8169	8169	8169	56.585	5.841	0	0.012	0.019	-18.073
8169_8170	8169	8170	-56.364	6.247	0	-0.012	-0.019	16.381
8170_8170	8170	8170	56.365	-6.247	0.002	-0.006	0.019	-16.381
8170_8171	8170	8171	-56.144	18.334	-0.002	0.006	-0.035	-78.989
8171_8171	8171	8171	56.138	19.353	0.002	-0.004	0.035	78.838
8171_8172	8171	8172	-54.748	-6.876	-0.002	0.004	-0.049	24.697
8172_8172	8172	8172	54.748	6.876	0	0.023	0.049	-24.697
8172_8173	8172	8173	-53.358	5.602	0	-0.023	-0.046	28.412
8173_8173	8173	8173	53.357	-5.602	0.002	-0.008	0.046	-28.412
8173_8174	8173	8174	-51.967	18.079	-0.002	0.008	-0.06	-67.693
8174_8174	8174	8174	51.971	18.805	-0.001	0.028	0.06	67.53
8174_8175	8174	8175	-51.449	-9.447	0.001	-0.028	-0.053	16.636
8175_8175	8175	8175	51.449	9.447	-0.001	0.028	0.053	-16.636
8175_8176	8175	8176	-50.928	-0.089	0.001	-0.028	-0.046	44.653
8176_8176	8176	8176	50.928	0.089	0.002	-0.039	0.046	-44.653
8176_8177	8176	8177	-50.407	9.269	-0.002	0.039	-0.056	16.521

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8177_8177	8177	8177	50.407	-9.269	-0.001	-0.019	0.056	-16.521
8177_8178	8177	8178	-49.885	18.628	0.001	0.019	-0.05	-67.759
8178_8178	8178	8178	49.889	18.431	-0.006	0.016	0.05	67.597
8178_8179	8178	8179	-49.299	-5.954	0.006	-0.016	-0.004	29.089
8179_8179	8179	8179	49.299	5.954	-0.004	-0.014	0.004	-29.09
8179_8180	8179	8180	-48.709	6.523	0.004	0.014	0.024	25.956
8180_8180	8180	8180	48.709	-6.523	-0.004	-0.014	-0.024	-25.956
8180_8181	8180	8181	-48.119	19.001	0.004	0.014	0.052	-76.997
8181_8181	8181	8181	48.116	18.026	0.002	0.006	-0.052	76.85
8181_8182	8181	8182	-48.941	-5.938	-0.002	-0.006	0.036	16.793
8182_8182	8182	8182	48.94	5.938	0.004	-0.008	-0.036	-16.793
8182_8183	8182	8183	-49.765	6.149	-0.004	0.008	0.003	16.757
8183_8183	8183	8183	49.87	-6.149	0.004	-0.002	-0.002	-16.877
8183_8184	8183	8184	-50.881	20.966	-0.004	0.002	-0.033	-110.961
8184_8184	8184	8184	50.871	20.87	-0.014	0.011	0.033	110.851
8184_8185	8184	8185	-49.88	-1.374	0.014	-0.011	0.145	26.822
8185_8185	8185	8185	49.881	1.374	-0.013	-0.006	-0.145	-26.822
8185_8186	8185	8186	-48.89	18.122	0.013	0.006	0.306	-79.206
8186_8186	8186	8186	48.882	14.99	0.02	0.001	-0.306	79.081
8186_8187	8186	8187	-31.5	5.676	-0.02	-0.001	0.038	-37.025
8187_8187	8187	8187	75.889	-3.298	0	0.019	0.007	-35.547
8187_8188	8187	8188	-121.973	22.414	0	-0.019	-0.005	-59.784
8188_8188	8188	8188	121.962	19.017	0	-0.008	0.005	59.618
8188_8189	8188	8189	-117.885	-5.595	0	0.008	-0.002	37.737
8189_8189	8189	8189	119.2	5.584	-0.001	0.022	0	-36.437
8189_8190	8189	8190	-112.389	16.786	0.001	-0.022	0.009	-47.402
8190_8190	8190	8190	112.398	19.326	0.002	0.042	-0.009	47.216
8190_8191	8190	8191	-105.879	-1.43	-0.002	-0.042	-0.011	59.37
8191_8191	8191	8191	105.88	1.43	0.003	-0.027	0.011	-59.369
8191_8192	8191	8192	-99.36	16.466	-0.003	0.027	-0.043	-30.898
8192_8192	8192	8192	99.371	17.2	-0.001	0.002	0.043	30.706
8192_8193	8192	8193	-95.186	-0.996	0.001	-0.002	-0.038	54.967
8193_8193	8193	8193	95.186	0.996	-0.001	0.002	0.038	-54.967
8193_8194	8193	8194	-90.997	15.224	0.001	-0.002	-0.032	-20.906
8194_8194	8194	8194	91.001	15.964	0.002	-0.003	0.032	20.908
8194_8195	8194	8195	-86.723	0.256	-0.002	0.003	-0.049	52.184
8195_8195	8195	8195	86.723	-0.256	0.002	-0.003	0.049	-52.184
8195_8196	8195	8196	-82.446	16.476	-0.002	0.003	-0.065	-36.438
8196_8196	8196	8196	82.463	17.501	-0.001	-0.007	0.065	36.248
8196_8197	8196	8197	-77.405	0.394	0.001	0.007	-0.055	51.464
8197_8197	8197	8197	77.405	-0.394	-0.001	-0.007	0.055	-51.464
8197_8198	8197	8198	-72.348	18.29	0.001	0.007	-0.045	-57.677
8198_8198	8198	8198	72.364	16.543	0.001	-0.016	0.045	57.493
8198_8199	8198	8199	-75.228	5.826	-0.001	0.016	-0.058	19.129
8199_8199	8199	8199	75.335	-5.826	0	0.001	0.059	-19.266
8199_8200	8199	8200	-77.052	19.231	0	-0.001	-0.059	-82.206
8200_8200	8200	8200	77.059	20.315	-0.006	-0.01	0.059	82.378
8200_8201	8200	8201	-52.511	-1.199	0.006	0.01	0.017	13.71
8201_8201	8201	8201	53.404	2.194	-0.041	-0.005	0.154	-15.269
8201_8202	8201	8202	-58.147	20.205	0.041	0.005	0.395	-99.015
8202_8202	8202	8202	58.15	20.329	0.054	0	-0.395	99.168
8202_8203	8202	8203	-58.889	0.801	-0.054	0	-0.275	24.114
8203_8203	8203	8203	58.889	-0.801	0.054	0	0.275	-24.114

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8203_8204	8203	8204	-59.629	21.932	-0.054	0	-0.946	-116.742
8204_8204	8204	8204	59.594	22.393	-0.041	0.006	0.946	116.802
8204_8205	8204	8205	-59.483	-6.334	0.041	-0.006	-0.555	19.594
8205_8205	8205	8205	59.647	6.334	-0.041	-0.004	0.564	-19.777
8205_8206	8205	8206	-59.557	6.768	0.041	0.004	-0.249	18.048
8206_8206	8206	8206	59.557	-6.768	-0.041	-0.004	0.249	-18.048
8206_8207	8206	8207	-59.468	19.869	0.041	0.004	0.065	-85.214
8207_8207	8207	8207	59.466	20.816	-0.027	0.004	-0.065	85.364
8207_8208	8207	8208	-58.375	-7.292	0.027	-0.004	0.28	25.927
8208_8208	8208	8208	58.375	7.292	-0.027	0.004	-0.28	-25.927
8208_8209	8208	8209	-57.283	6.232	0.027	-0.004	0.495	29.029
8209_8209	8209	8209	57.283	-6.232	-0.027	0.004	-0.495	-29.029
8209_8210	8209	8210	-56.192	19.756	0.027	-0.004	0.71	-76.059
8210_8210	8210	8210	56.199	20.393	-0.008	0.032	-0.71	76.251
8210_8211	8210	8211	-55.762	-10.25	0.008	-0.032	0.76	15.151
8211_8211	8211	8211	55.762	10.25	-0.008	0.032	-0.76	-15.151
8211_8212	8211	8212	-55.324	-0.107	0.008	-0.032	0.811	45.696
8212_8212	8212	8212	55.324	0.107	-0.006	-0.038	-0.811	-45.696
8212_8213	8212	8213	-54.887	10.036	0.006	0.038	0.846	15.384
8213_8213	8213	8213	54.887	-10.036	-0.008	-0.019	-0.846	-15.384
8213_8214	8213	8214	-54.45	20.179	0.008	0.019	0.896	-75.785
8214_8214	8214	8214	54.459	20.097	0.016	0	-0.896	75.987
8214_8215	8214	8215	-54.009	-6.573	-0.016	0	0.767	29.909
8215_8215	8215	8215	54.009	6.573	0.016	0	-0.767	-29.909
8215_8216	8215	8216	-53.559	6.951	-0.016	0	0.638	27.611
8216_8216	8216	8216	53.559	-6.951	0.016	0	-0.638	-27.611
8216_8217	8216	8217	-53.109	20.475	-0.016	0	0.508	-82.881
8217_8217	8217	8217	53.108	19.514	0.043	0.006	-0.508	82.868
8217_8218	8217	8218	-53.765	-6.413	-0.043	-0.006	0.179	18.443
8218_8218	8218	8218	53.765	6.413	0.043	0.006	-0.179	-18.443
8218_8219	8218	8219	-54.422	6.689	-0.043	-0.006	-0.151	18.217
8219_8219	8219	8219	54.467	-6.689	0.042	0.007	0.151	-18.262
8219_8220	8219	8220	-55.274	22.748	-0.042	-0.007	-0.554	-120.532
8220_8220	8220	8220	55.293	22.699	0.029	0.005	0.554	120.559
8220_8221	8220	8221	-53.972	-1.579	-0.029	-0.005	-0.914	28.8
8221_8221	8221	8221	53.972	1.579	0.029	0.005	0.914	-28.8
8221_8222	8221	8222	-52.649	19.559	-0.029	-0.005	-1.275	-85.924
8222_8222	8222	8222	52.629	16.747	-0.45	0.007	1.275	85.912
8222_8223	8222	8223	-37.065	5.659	0.45	-0.007	4.685	-30.301
8223_8223	8223	8223	75.525	-3.309	0.013	0.015	-0.232	-31.398
8223_8224	8223	8224	-121.714	24.001	-0.013	-0.015	0.074	-74.628
8224_8224	8224	8224	121.767	20.997	0.019	0.047	-0.074	74.473
8224_8225	8224	8225	-118.266	-6.468	-0.019	-0.047	-0.084	35.27
8225_8225	8225	8225	118.488	6.466	0.02	-0.012	0.084	-35.641
8225_8226	8225	8226	-112.235	19.489	-0.02	0.012	-0.373	-66.512
8226_8226	8226	8226	112.232	21.28	-0.003	0.218	0.373	66.451
8226_8227	8226	8227	-107.285	-1.038	0.003	-0.218	-0.335	56.153
8227_8227	8227	8227	107.285	1.038	-0.001	-0.21	0.335	-56.152
8227_8228	8227	8228	-102.337	19.209	0.001	0.21	-0.327	-53.852
8228_8228	8228	8228	102.331	20.362	0.013	0.028	0.327	54.007
8228_8229	8228	8229	-98.735	-0.109	-0.013	-0.028	-0.476	59.425
8229_8229	8229	8229	98.735	0.109	0.013	-0.036	0.476	-59.425
8229_8230	8229	8230	-95.142	20.127	-0.013	0.036	-0.63	-59.752

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8230_8230	8230	8230	95.141	21.258	0.012	0.279	0.63	59.777
8230_8231	8230	8231	-90.07	0.036	-0.012	-0.279	-0.769	62.577
8231_8231	8231	8231	90.07	-0.036	0.015	-0.301	0.769	-62.579
8231_8232	8231	8232	-85.002	21.322	-0.015	0.301	-0.951	-72.316
8232_8232	8232	8232	85.333	20.885	-0.054	-0.014	0.926	72.063
8232_8233	8232	8233	-85.089	2.808	0.054	0.014	-0.2	48.368
8233_8233	8233	8233	85.091	-2.808	-0.054	0.003	0.2	-48.368
8233_8234	8233	8234	-84.912	20.181	0.054	-0.003	0.334	-65.771
8234_8234	8234	8234	87.786	18.594	0.037	0.032	-0.334	60.997
8234_8235	8234	8235	-65.734	-0.832	-0.037	-0.032	-0.038	10.723
8235_8235	8235	8235	62.318	1.663	-0.011	-0.061	0.88	-5.174
8235_8236	8235	8236	-60.739	15.972	0.011	0.061	-0.78	-63.645
8236_8236	8236	8236	60.804	16.732	0.109	-0.076	0.78	63.549
8236_8237	8236	8237	-66.827	0.415	-0.109	0.076	-1.778	17.75
8237_8237	8237	8237	66.824	-0.415	0.108	0.058	1.778	-17.748
8237_8238	8237	8238	-73.621	19.766	-0.108	-0.058	-2.896	-79.08
8238_8238	8238	8238	73.839	22.916	-0.12	0.012	2.887	78.774
8238_8239	8238	8239	-68.796	6.845	0.12	-0.012	-0.987	43.853
8239_8239	8239	8239	68.795	-6.845	-0.12	-0.02	0.987	-43.853
8239_8240	8239	8240	-66.066	22.948	0.12	0.02	0.041	-86.998
8240_8240	8240	8240	65.981	20.957	-0.102	-0.002	-0.041	87.025
8240_8241	8240	8241	-65.756	-1.684	0.102	0.002	1.089	29.196
8241_8241	8241	8241	65.756	1.684	-0.102	0.009	-1.089	-29.196
8241_8242	8241	8242	-65.552	15.801	0.102	-0.009	2.039	-36.981
8242_8242	8242	8242	65.588	17.624	-0.059	-0.007	-2.039	36.81
8242_8243	8242	8243	-65.108	1.913	0.059	0.007	2.65	44.483
8243_8243	8243	8243	65.109	-1.913	-0.059	0.022	-2.65	-44.483
8243_8244	8243	8244	-64.686	19.117	0.059	-0.022	3.188	-52.713
8244_8244	8244	8244	64.666	19.003	0.102	0.185	-3.188	52.698
8244_8245	8244	8245	-64.026	-1.321	-0.102	-0.185	2.225	42.369
8245_8245	8245	8245	64.026	1.321	0.103	-0.159	-2.225	-42.37
8245_8246	8245	8246	-63.336	17.734	-0.103	0.159	1.181	-42.095
8246_8246	8246	8246	63.329	15.899	-0.227	0.003	-1.181	42.271
8246_8247	8246	8247	-63.202	2.723	0.227	-0.003	3.44	22.899
8247_8247	8247	8247	63.202	-2.723	-0.227	0.008	-3.44	-22.899
8247_8248	8247	8248	-63.079	20.855	0.227	-0.008	5.639	-91.586
8248_8248	8248	8248	63.18	22.482	0.5	0.25	-5.645	91.577
8248_8249	8248	8249	-63.943	-0.002	-0.5	-0.25	-0.352	44.054
8249_8249	8249	8249	63.937	0.002	0.501	-0.23	0.352	-44.052
8249_8250	8249	8250	-64.731	23.395	-0.501	0.23	-6.606	-101.395
8250_8250	8250	8250	64.702	22.003	-0.345	0.016	6.606	101.442
8250_8251	8250	8251	-62.746	-1.203	0.345	-0.016	-2.773	25.026
8251_8251	8251	8251	62.746	1.203	-0.345	-0.003	2.773	-25.026
8251_8252	8251	8252	-60.895	18.486	0.345	0.003	0.854	-68.118
8252_8252	8252	8252	60.889	18.187	0.089	-0.011	-0.854	68.062
8252_8253	8252	8253	-48.016	4.48	-0.089	0.011	-0.223	-0.119
8253_8253	8253	8253	48.019	-4.48	0.089	0.039	0.223	0.119
8253_8254	8253	8254	-37.893	22.311	-0.089	-0.039	-1.075	-139.485
8254_8254	8254	8254	94.918	19.753	-0.02	-0.022	0.556	46.91
8254_8255	8254	8255	-118.052	3.636	0.02	0.022	-0.316	76.919
8255_8255	8255	8255	118.05	-3.636	-0.02	0.047	0.316	-76.919
8255_8256	8255	8256	-142.799	28.656	0.02	-0.047	-0.06	-97.054
8256_8256	8256	8256	142.796	23.372	0.022	0.257	0.06	97.07

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8256_8257	8256	8257	-144.527	-0.327	-0.022	-0.257	-0.321	43.285
8257_8257	8257	8257	144.536	0.327	0.022	-0.249	0.321	-43.28
8257_8258	8257	8258	-146.227	22.202	-0.022	0.249	-0.573	-79.279
8258_8258	8258	8258	146.256	21.276	0.005	0	0.573	79.124
8258_8259	8258	8259	-154.339	1.93	-0.005	0	-0.637	43.926
8259_8259	8259	8259	154.34	-1.93	0.005	-0.016	0.637	-43.926
8259_8260	8259	8260	-162.125	24.277	-0.005	0.016	-0.699	-95.136
8260_8260	8260	8260	162.104	21.542	-0.003	0.376	0.699	95.333
8260_8261	8260	8261	-165.004	-3.61	0.003	-0.376	-0.668	21.996
8261_8261	8261	8261	165.001	3.61	-0.004	-0.28	0.668	-21.987
8261_8262	8261	8262	-169.472	24.037	0.004	0.28	-0.617	-115.927
8262_8262	8262	8262	169.756	24.815	0.002	-0.05	0.639	115.263
8262_8263	8262	8263	-153.302	0.33	-0.002	0.05	-0.659	20.757
8263_8263	8263	8263	153.301	-0.33	0.002	-0.011	0.659	-20.757
8263_8264	8263	8264	-138.943	22.271	-0.002	0.011	-0.677	-121.939
8264_8264	8264	8264	138.905	25.633	0.011	-0.022	0.677	121.989
8264_8265	8264	8265	-124.72	-1.759	-0.011	0.022	-0.806	26.875
8265_8265	8265	8265	124.721	1.759	0.011	-0.015	0.806	-26.875
8265_8266	8265	8266	-109.75	23.436	-0.011	0.015	-0.943	-128.812
8266_8266	8266	8266	109.875	23.363	0.02	-0.035	0.943	128.705
8266_8267	8266	8267	-113.799	-2.654	-0.02	0.035	-1.153	11.239
8267_8267	8267	8267	113.797	2.654	0.02	-0.006	1.153	-11.238
8267_8268	8267	8268	-116.942	13.941	-0.02	0.006	-1.321	-33.248
8268_8268	8268	8268	71.552	21.684	-0.163	0.048	1.652	107.658
8268_8269	8268	8269	-79.872	3.842	0.163	-0.048	0.417	14.669
8269_8269	8269	8269	79.87	-3.842	-0.163	-0.073	-0.417	-14.671
8269_8270	8269	8270	-86.705	24.811	0.163	0.073	2.116	-127.643
8270_8270	8270	8270	86.707	33.161	0.089	0.01	-2.116	127.554
8270_8271	8270	8271	-53.727	-9.682	-0.089	-0.01	1.074	87.615
8271_8271	8271	8271	53.727	9.682	0.089	-0.013	-1.074	-87.615
8271_8272	8271	8272	-19.712	14.532	-0.089	0.013	0	21.932
8372_8372	8372	8372	32.487	10.498	-0.2	-0.018	0.14	-43.386
8372_8373	8372	8373	-32.487	8.025	0.2	0.018	2.337	58.717
8373_8373	8373	8373	60.552	-8.025	-0.202	0.015	-2.055	-95.979
8373_8374	8373	8374	-60.552	25.053	0.202	-0.015	4.359	-92.5
8374_8374	8374	8374	72.639	15.403	0.103	0.001	-3.887	76.49
8374_8375	8374	8375	-72.639	0.286	-0.103	-0.001	2.805	2.877
8375_8375	8375	8375	69.944	-0.286	0.089	0.002	-2.108	0.873
8375_8376	8375	8376	-69.944	14.635	-0.089	-0.002	1.25	-72.523
8376_8376	8376	8376	68.652	18.275	0.168	0.213	-0.851	74.807
8376_8377	8376	8377	-68.652	-1.018	-0.168	-0.213	-1.085	36.606
8377_8377	8377	8377	68.663	1.018	0.115	-0.216	1.452	-36.647
8377_8378	8377	8378	-68.663	17.215	-0.115	0.216	-2.86	-62.178
8378_8378	8378	8378	68.467	16.629	-0.193	0.004	3.351	62.434
8378_8379	8378	8379	-68.467	1.886	0.193	-0.004	-0.964	28.91
8379_8379	8379	8379	68.221	-1.886	-0.196	0.011	1.264	-28.373
8379_8380	8379	8380	-68.221	18.628	0.196	-0.011	0.932	-86.558
8380_8380	8380	8380	66.812	17.672	0.003	0.042	-0.702	87.663
8380_8381	8380	8381	-66.812	-2.134	-0.003	-0.042	0.672	15.319
8381_8381	8381	8381	64.338	2.134	-0.032	-0.014	-0.348	-12.142
8381_8382	8381	8382	-64.338	12.614	0.032	0.014	0.668	-39.576
8382_8382	8382	8382	61.557	16.952	-0.025	0.041	-0.349	43.308
8382_8383	8382	8383	-61.557	-0.279	0.025	-0.041	0.633	52.833

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8383_8383	8383	8383	58.429	0.277	-0.028	0.003	-0.472	-48.729
8383_8384	8383	8384	-58.429	16.936	0.028	-0.003	0.789	-47.227
8384_8384	8384	8384	67.912	17.323	-0.049	-0.001	0.115	30.034
8384_8385	8384	8385	-67.912	-0.799	0.049	0.001	0.436	71.007
8385_8385	8385	8385	57.535	0.799	-0.045	0.06	0.214	-56.461
8385_8386	8385	8386	-57.535	15.736	0.045	-0.06	0.287	-26.884
8386_8386	8386	8386	53.053	17.802	-0.016	0.256	0.145	32.816
8386_8387	8386	8387	-53.053	-1.385	0.016	-0.256	0.03	73.479
8387_8387	8387	8387	54.571	1.385	-0.028	-0.169	0.298	-75.743
8387_8388	8387	8388	-54.571	17.393	0.028	0.169	0.051	-25.692
8388_8388	8388	8388	56.021	17.628	-0.043	0.005	0.427	24.132
8388_8389	8388	8389	-56.021	0.266	0.043	-0.005	0.098	80.695
8389_8389	8389	8389	57.28	-0.266	-0.044	0.047	0.436	-82.543
8389_8390	8389	8390	-57.28	17.578	0.044	-0.047	0.082	-21.695
8390_8390	8390	8390	58.709	17.321	-0.042	0.24	0.466	19.79
8390_8391	8390	8391	-58.709	1.521	0.042	-0.24	0.065	80.668
8391_8391	8391	8391	60.225	-1.521	-0.081	-0.238	0.675	-82.81
8391_8392	8391	8392	-60.225	17.884	0.081	0.238	0.216	-24.339
8392_8392	8392	8392	61.8	17.154	-0.07	-0.012	0.7	21.842
8392_8393	8392	8393	-61.8	-0.284	0.07	0.012	0.101	77.423
8393_8393	8393	8393	63.617	0.284	-0.057	0.026	0.771	-79.899
8393_8394	8393	8394	-63.617	18.038	0.057	-0.026	-0.066	-29.866
8394_8394	8394	8394	65.768	16.541	-0.087	0.239	0.834	26.603
8394_8395	8394	8395	-65.768	1.074	0.087	-0.239	0.206	65.329
8395_8395	8395	8395	68.175	-1.074	-0.121	-0.249	0.697	-68.522
8395_8396	8395	8396	-68.175	18.635	0.121	0.249	0.739	-48.261
8396_8396	8396	8396	67.557	18.687	0.037	-0.039	0.234	49.55
8396_8397	8396	8397	-67.557	-0.925	-0.037	0.039	-0.678	67.99
8397_8397	8397	8397	63.851	0.925	0.038	0.009	1.514	-63.111
8397_8398	8397	8398	-63.851	16.495	-0.038	-0.009	-1.959	-28.41
8398_8398	8398	8398	40.618	18.591	-0.533	0.002	3.857	59.208
8398_8399	8398	8399	-40.618	-3.733	0.533	-0.002	1.486	52.718
8572_8572	8572	8572	17.852	10.585	-0.169	0.006	0	-23.874
8572_8573	8572	8573	-50.381	7.943	0.169	-0.006	2.09	75.996
8573_8573	8573	8573	50.381	-7.943	-0.169	-0.004	-2.09	-75.996
8573_8574	8573	8574	-80.076	24.857	0.169	0.004	3.998	-77.023
8574_8574	8574	8574	80.094	15.876	0.124	0	-3.998	76.989
8574_8575	8574	8575	-73.494	-0.471	-0.124	0	2.721	-0.333
8575_8575	8575	8575	73.494	0.471	0.124	0.002	-2.721	0.332
8575_8576	8575	8576	-67.415	13.717	-0.124	-0.002	1.545	-70.235
8576_8576	8576	8576	67.356	17.732	0.238	0.227	-1.545	69.878
8576_8577	8576	8577	-68.704	-0.408	-0.238	-0.227	-1.217	36.813
8577_8577	8577	8577	68.861	0.408	0.239	-0.186	1.21	-37.012
8577_8578	8577	8578	-70.301	18.075	-0.239	0.186	-4.162	-70.618
8578_8578	8578	8578	70.294	17.528	-0.238	-0.018	4.162	70.686
8578_8579	8578	8579	-68.934	0.584	0.238	0.018	-1.275	30.147
8579_8579	8579	8579	68.934	-0.584	-0.238	-0.002	1.275	-30.147
8579_8580	8579	8580	-67.655	17.607	0.238	0.002	1.439	-75.23
8580_8580	8580	8580	67.73	17.15	0.052	0.066	-1.439	76.073
8580_8581	8580	8581	-65.872	-1.914	-0.052	-0.066	0.911	19.407
8581_8581	8581	8581	65.875	1.914	0.052	-0.036	-0.911	-19.407
8581_8582	8581	8582	-64.05	13.054	-0.052	0.036	0.393	-38.083
8582_8582	8582	8582	64.068	16.759	-0.005	0.018	-0.393	37.954

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8582_8583	8582	8583	-60.643	-0.551	0.005	-0.018	0.444	52.306
8583_8583	8583	8583	60.735	0.55	-0.005	0.041	-0.444	-52.414
8583_8584	8583	8584	-57.033	16.96	0.005	-0.041	0.497	-47.661
8584_8584	8584	8584	73.307	17.282	0.01	0.057	-0.219	21.189
8584_8585	8584	8585	-61.262	-0.51	-0.01	-0.057	0.106	64.751
8585_8585	8585	8585	61.262	0.51	0.01	0.006	-0.106	-64.751
8585_8586	8585	8586	-49.64	15.672	-0.01	-0.006	-0.003	-32.269
8586_8586	8586	8586	49.652	17.528	0.007	0.273	0.003	32.329
8586_8587	8586	8587	-51.88	-1.319	-0.007	-0.273	-0.077	73.725
8587_8587	8587	8587	51.882	1.319	0.007	-0.177	0.077	-73.726
8587_8588	8587	8588	-54.478	17.573	-0.007	0.177	-0.164	-26.437
8588_8588	8588	8588	54.446	17.537	0.002	0.016	0.164	25.538
8588_8589	8588	8589	-55.386	0.18	-0.002	-0.016	-0.187	79.55
8589_8589	8589	8589	55.387	-0.18	0.002	0.036	0.187	-79.55
8589_8590	8589	8590	-56.308	17.546	-0.002	-0.036	-0.21	-23.027
8590_8590	8590	8590	56.308	17.226	0.003	0.243	0.21	23.063
8590_8591	8590	8591	-58.204	1.501	-0.003	-0.243	-0.253	78.63
8591_8591	8591	8591	58.199	-1.501	0.003	-0.242	0.253	-78.632
8591_8592	8591	8592	-59.855	17.858	-0.003	0.242	-0.29	-26.186
8592_8592	8592	8592	59.858	17.212	0.003	0.004	0.29	26.698
8592_8593	8592	8593	-61.291	-0.583	-0.003	-0.004	-0.325	74.846
8593_8593	8593	8593	61.291	0.583	0.003	0.005	0.325	-74.846
8593_8594	8593	8594	-62.88	17.869	-0.003	-0.005	-0.362	-30.905
8594_8594	8594	8594	62.881	16.249	-0.004	0.214	0.362	31.438
8594_8595	8594	8595	-67.184	1.374	0.004	-0.214	-0.315	61.762
8595_8595	8595	8595	67.173	-1.374	-0.004	-0.231	0.315	-61.766
8595_8596	8595	8596	-71.437	18.834	0.004	0.231	-0.268	-52.591
8596_8596	8596	8596	71.409	19.17	0.013	-0.031	0.268	52.291
8596_8597	8596	8597	-65.187	-1.448	-0.013	0.031	-0.428	63.948
8597_8597	8597	8597	65.187	1.448	0.013	-0.013	0.428	-63.947
8597_8598	8597	8598	-59.095	15.904	-0.013	0.013	-0.585	-27.616
8598_8598	8598	8598	59.184	19.517	-0.088	-0.028	0.585	27.49
8598_8599	8598	8599	-19.074	-9.635	0.088	0.028	0	24.536
9000_9000	9000	9000	55.598	391.984	4.224	8.355	0	-375.809
9000_9001	9000	9001	-35.782	-364.248	-4.224	-8.355	-35.059	3422.916
9001_9001	9001	9001	35.794	364.244	4.234	4.218	35.059	-3422.93
9001_9002	9001	9002	-17.059	-334.522	-4.234	-4.218	-72.714	6444.117
9002_9002	9002	9002	17.067	320.721	-3.972	12.179	72.714	-6444.12
9002_9003	9002	9003	6.261	-280.342	3.972	-12.179	-24.716	9968.299
9003_9003	9003	9003	-6.272	280.336	-3.96	-4.001	24.716	-9968.3
9003_9004	9003	9004	24.838	-239.933	3.96	4.001	23.161	13028.26
9004_9004	9004	9004	-24.837	218.377	0.803	15.355	-23.161	-13028.3
9004_9005	9004	9005	39.426	-178.011	-0.803	-15.355	13.466	15355.55
9005_9005	9005	9005	-39.424	178.006	0.815	-9.872	-13.466	-15355.6
9005_9006	9005	9006	49.249	-137.616	-0.815	9.872	3.616	17218.22
9006_9006	9006	9006	-49.248	115.878	0.309	8.489	-3.616	-17218.2
9006_9007	9006	9007	56.737	-75.493	-0.309	-8.489	-0.12	18340.65
9007_9007	9007	9007	-56.737	75.488	0.315	-5.686	0.12	-18340.7
9007_9008	9007	9008	59.452	-35.107	-0.315	5.686	-3.925	18997
9008_9008	9008	9008	-59.452	13.076	-0.145	-1.203	3.925	-18997
9008_9009	9008	9009	60.192	27.326	0.145	1.203	-2.171	18908.17
9009_9009	9009	9009	-60.192	-27.331	-0.146	0.688	2.171	-18908.2
9009_9010	9009	9010	56.159	67.699	0.146	-0.688	-0.409	18353.59

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9010_9010	9010	9010	-56.159	-90.823	0.865	11.656	0.409	-18353.6
9010_9011	9010	9011	50.128	131.216	-0.865	-11.656	-10.863	17040.33
9011_9011	9011	9011	-50.127	-131.221	0.876	-14.62	10.863	-17040.3
9011_9012	9011	9012	39.323	171.606	-0.876	14.62	-21.455	15261.28
9012_9012	9012	9012	-39.323	-193.901	0.574	7.259	21.455	-15261.3
9012_9013	9012	9013	26.238	234.281	-0.574	-7.259	-28.395	12735.62
9013_9013	9013	9013	-26.238	-234.286	0.586	-12.198	28.395	-12735.6
9013_9014	9013	9014	8.385	274.658	-0.586	12.198	-35.474	9744.699
9014_9014	9014	9014	-8.382	-296.147	0.561	1.978	35.474	-9744.7
9014_9015	9014	9015	-18.93	348.095	-0.561	-1.978	-44.19	4864.577
9015_9015	9015	9015	17.542	-346.951	0.392	-5.759	41.287	-4826.92
9015_9016	9015	9016	-37.987	372.916	-0.392	5.768	-44.525	1934.754
9016_9016	9016	9016	62.327	-393.136	-3.363	-4.186	62.974	-2013.81
9016_9017	9016	9017	-91.139	430.395	3.363	4.203	-23.417	-2704.7
9017_9017	9017	9017	103.182	-428.515	-3.347	1.033	23.657	2703.936
9017_9018	9017	9018	-131.173	473.361	3.347	-1.004	20.783	-8540.59
9018_9018	9018	9018	146.168	-493.166	4.28	-13.254	-22.073	8540.793
9018_9019	9018	9019	-165.796	537.453	-4.28	13.183	-31.632	-14858.8
9019_9019	9019	9019	180.332	-534.646	4.292	9.729	34.053	14859.54
9019_9020	9019	9020	-194.426	581.558	-4.292	-9.808	-88.098	-21733.8
9020_9020	9020	9020	-2103.44	181.276	-25.175	-3.215	543.461	3956.03
9020_9021	9020	9021	2123.201	-150.572	25.175	3.215	-304.233	-2458.82
9021_9021	9021	9021	-2118.47	150.479	-20.427	1.967	306.012	2435.525
9021_9022	9021	9022	2132.906	-127.59	20.427	-1.967	-147.93	-1417.65
9022_9022	9022	9022	-2132.89	127.579	-22.528	0.637	147.93	1417.646
9022_9023	9022	9023	2145.147	-104.628	22.528	-0.637	26.888	-566.035
9023_9023	9023	9023	-2145.21	85.616	-4.708	-0.194	-26.888	566.026
9023_9024	9023	9024	2155.364	-61.956	4.708	0.194	64.554	-16.624
9024_9024	9024	9024	-2155.36	61.945	-4.708	-0.194	-64.554	16.624
9024_9025	9024	9025	2163.159	-38.285	4.708	0.194	102.219	352.904
9025_9025	9025	9025	-2163.16	34.893	-2.073	-0.48	-102.219	-352.903
9025_9026	9025	9026	2166.197	-11.237	2.073	0.48	118.8	525.168
9026_9026	9026	9026	-2166.2	-5.36	-4.881	0.003	-118.8	-525.16
9026_9027	9026	9027	2167.307	23.095	4.881	-0.003	148.067	435.371
9027_9027	9027	9027	-2167.31	-23.104	-0.981	-0.523	-148.067	-435.371
9027_9028	9027	9028	2167.098	40.865	0.981	0.523	153.961	244.158
9028_9028	9028	9028	-2167.1	-40.874	-1.364	-0.506	-153.961	-244.158
9028_9029	9028	9029	2165.557	58.606	1.364	0.506	162.141	-47.852
9029_9029	9029	9029	-2165.56	-58.614	-0.981	-0.473	-162.141	47.852
9029_9030	9029	9030	2162.686	76.376	0.981	0.473	168.035	-441.628
9030_9030	9030	9030	-2162.69	-93.223	1.516	-1.5	-168.035	441.625
9030_9031	9030	9031	2157.31	116.869	-1.516	1.5	155.914	-1259.85
9031_9031	9031	9031	-2157.31	-116.881	1.516	-1.5	-155.914	1259.851
9031_9032	9031	9032	2149.578	140.528	-1.516	1.5	143.792	-2257.76
9032_9032	9032	9032	-2149.57	-140.54	4.433	1.651	-143.792	2257.754
9032_9033	9032	9033	2139.472	164.213	-4.433	-1.651	108.311	-3436.75
9033_9033	9033	9033	-2139.43	-182.897	15.713	-5.272	-108.311	3436.782
9033_9034	9033	9034	2127.379	205.825	-15.713	5.272	-13.5	-4895.01
9034_9034	9034	9034	-2127.38	-205.836	15.713	-5.272	13.5	4895.011
9034_9035	9034	9035	2113.108	228.765	-15.713	5.272	-135.311	-6522.17
9035_9035	9035	9035	-2118.61	-228.862	20.698	9.82	133.996	6549.185
9035_9036	9035	9036	2099.127	259.556	-20.698	-9.82	-330.616	-8790.7
9036_9036	9036	9036	174.413	496.635	-3.222	-26.636	47.387	27766.93

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9036_9037	9036	9037	-164.248	-449.729	3.222	26.582	-6.85	-21942.4
9037_9037	9037	9037	151.984	451.926	-3.136	25.32	1.451	21941.71
9037_9038	9037	9038	-137.318	-407.584	3.136	-25.368	37.915	-16671.9
9038_9038	9038	9038	124.902	389.832	2.215	-3.925	-35.329	16671.9
9038_9039	9038	9039	-103.292	-344.978	-2.215	3.963	5.931	-11922.8
9039_9039	9039	9039	534.668	340.516	1.141	4.754	-10.314	9555.763
9039_9040	9039	9040	-520.239	-303.011	-1.141	-4.763	-3.105	-5931.16
9040_9040	9040	9040	513.735	284.122	0.333	0.324	3.294	5932.14
9040_9041	9040	9041	-483.106	-258.221	-0.333	-0.322	-6.039	-3850.51
9041_9041	9041	9041	553.67	259.966	0.381	0.534	4.278	3492.45
9041_9042	9041	9042	-469.595	-216.749	-0.381	-0.534	-10.031	-256.334
9042_9042	9042	9042	469.596	196.039	-0.158	2.417	10.031	256.328
9042_9043	9042	9043	-408.652	-162.075	0.158	-2.417	-8.15	1603.373
9043_9043	9043	9043	408.652	162.08	-0.116	-1.718	8.15	-1603.37
9043_9044	9043	9044	-353.407	-128.147	0.116	1.718	-6.778	3080.925
9044_9044	9044	9044	353.406	103.61	-0.077	3.016	6.778	-3080.92
9044_9045	9044	9045	-305.464	-69.653	0.077	-3.016	-5.868	3894.234
9045_9045	9045	9045	305.464	69.659	-0.029	-2.622	5.868	-3894.23
9045_9046	9045	9046	-263.174	-35.705	0.029	2.622	-5.519	4326.742
9046_9046	9046	9046	263.174	14.322	0.003	2.525	5.519	-4326.74
9046_9047	9046	9047	-224.049	19.627	-0.003	-2.525	-5.558	4114.813
9047_9047	9047	9047	224.048	-19.621	0.051	-2.56	5.558	-4114.81
9047_9048	9047	9048	-190.572	53.567	-0.051	2.56	-6.158	3522.33
9048_9048	9048	9048	190.572	-74.754	0.149	1.231	6.158	-3522.33
9048_9049	9048	9049	-160.325	108.696	-0.149	-1.231	-7.927	2288.33
9049_9049	9049	9049	160.325	-108.69	0.196	-1.671	7.927	-2288.33
9049_9050	9049	9050	-135.724	142.629	-0.196	1.671	-10.258	674.015
9050_9050	9050	9050	135.722	-162.839	-0.177	-0.853	10.258	-674.009
9050_9051	9050	9051	-109.939	206.097	0.177	0.853	-7.577	-2251.19
9051_9051	9051	9051	110.098	-204.947	-0.095	0.946	7.888	2262.486
9051_9052	9051	9052	-100.076	229.183	0.095	-0.94	-7.104	-4110.89
9052_9052	9052	9052	105.756	-247.452	-1.076	-1.25	7.057	4111.527
9052_9053	9052	9053	-95.045	282.375	1.076	1.235	5.589	-7302.33
9053_9053	9053	9053	89.128	-280.973	-2.277	0.464	3.403	7376.992
9053_9054	9053	9054	-90.713	325.312	2.277	-0.435	26.83	-11422.9
9054_9054	9054	9054	101.683	-343.24	2.256	-7.448	-27.585	11424.75
9054_9055	9054	9055	-108.482	386.822	-2.256	7.412	-0.732	-15996.6
9055_9055	9055	9055	119.132	-383.9	2.3	5.937	2.095	15999.52
9055_9056	9055	9056	-129.422	429.781	-2.3	-5.979	-31.048	-21081.7
9056_9056	9056	9056	-1801.78	243.09	-18.997	-5.157	334.804	6216.032
9056_9057	9056	9057	1828.278	-212.724	18.997	5.157	-154.356	-4162.12
9057_9057	9057	9057	-1829.22	212.717	-15.464	3.05	155.606	4131.69
9057_9058	9057	9058	1848.632	-188.396	15.464	-3.05	-35.726	-2658.2
9058_9058	9058	9058	-1848.65	188.396	-12.891	6.972	35.726	2658.189
9058_9059	9058	9059	1865.96	-164.078	12.891	-6.972	64.203	-1364.97
9059_9059	9059	9059	-1865.98	146.274	-4.937	-0.29	-64.203	1364.947
9059_9060	9059	9060	1881.634	-121.2	4.937	0.29	103.661	-362.479
9060_9060	9060	9060	-1881.64	117.813	-2.257	1.094	-103.661	362.477
9060_9061	9060	9061	1892.803	-92.71	2.257	-1.094	121.721	431.324
9061_9061	9061	9061	-1892.8	92.711	-2.257	1.094	-121.721	-431.324
9061_9062	9061	9062	1901.732	-67.607	2.257	-1.094	139.781	1033.197
9062_9062	9062	9062	-1901.73	51.577	0.391	0.517	-139.781	-1033.2
9062_9063	9062	9063	1907.339	-32.737	-0.391	-0.517	137.434	1261.047

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9063_9063	9063	9063	-1907.34	32.737	-3.175	1.105	-137.434	-1261.04
9063_9064	9063	9064	1911.682	-13.926	3.175	-1.105	156.47	1380.683
9064_9064	9064	9064	-1911.68	13.926	3.479	-0.211	-156.47	-1380.69
9064_9065	9064	9065	1914.77	4.881	-3.479	0.211	135.612	1392.564
9065_9065	9065	9065	-1914.77	-4.88	0.391	0.347	-135.612	-1392.56
9065_9066	9065	9066	1916.61	23.72	-0.391	-0.347	133.265	1296.451
9066_9066	9066	9066	-1916.61	-39.686	2.099	0.024	-133.265	-1296.46
9066_9067	9066	9067	1917.631	64.782	-2.099	-0.024	116.477	870.66
9067_9067	9067	9067	-1917.63	-64.782	4.593	0.324	-116.477	-870.662
9067_9068	9067	9068	1916.413	89.876	-4.593	-0.324	79.74	253.104
9068_9068	9068	9068	-1916.41	-89.875	4.593	0.324	-79.74	-253.104
9068_9069	9068	9069	1912.967	114.97	-4.593	-0.324	43.003	-556.245
9069_9069	9069	9069	-1912.93	-132.411	15.255	-3.354	-43.003	556.26
9069_9070	9069	9070	1907.53	156.717	-15.255	3.354	-75.181	-1658.47
9070_9070	9070	9070	-1907.53	-156.716	15.428	-3.111	75.181	1658.469
9070_9071	9070	9071	1900.019	181.053	-15.428	3.111	-194.859	-2942.37
9071_9071	9071	9071	-1898.18	-181.064	18.935	4.478	195.596	2969.771
9071_9072	9071	9072	1886.144	211.436	-18.935	-4.478	-375.479	-4790.39
9072_9072	9072	9072	82.26	464.989	-2.204	-11.685	41.599	19277.38
9072_9073	9072	9073	-47.938	-419.413	2.204	11.64	-13.863	-13874.6
9073_9073	9073	9073	36.432	422.054	-2.113	14.669	11.111	13872.57
9073_9074	9073	9074	2.612	-378.807	2.113	-14.709	15.426	-8991.73
9074_9074	9074	9074	-14.197	363.61	2.429	1.814	-14.175	8990.505
9074_9075	9074	9075	56.581	-319.633	-2.429	-1.77	-18.063	-4588.72
9075_9075	9075	9075	382.973	315.472	1.28	0.788	4.102	2178.078
9075_9076	9075	9076	-363.74	-281.121	-1.28	-0.794	-19.154	1193.012
9076_9076	9076	9076	357.664	264.559	-0.377	2.419	19.147	-1192.44
9076_9077	9076	9077	-331.255	-240.772	0.377	-2.417	-16.035	3152.724
9077_9077	9077	9077	302.953	239.397	-0.391	-0.384	18.385	-3115.05
9077_9078	9077	9078	-259.673	-197.825	0.391	0.384	-13.028	5916.633
9078_9078	9078	9078	259.674	180.204	-0.228	5.602	13.028	-5916.65
9078_9079	9078	9079	-227.694	-146.379	0.228	-5.602	-10.485	7592.893
9079_9079	9079	9079	227.694	146.389	-0.177	-3.557	10.485	-7592.89
9079_9080	9079	9080	-200.135	-112.535	0.177	3.557	-8.509	8911.775
9080_9080	9080	9080	200.135	94.164	-0.103	0.684	8.509	-8911.77
9080_9081	9080	9081	-174.901	-60.314	0.103	-0.684	-7.363	9657.366
9081_9081	9081	9081	174.901	60.324	-0.103	0.684	7.363	-9657.37
9081_9082	9081	9082	-154.117	-26.474	0.103	-0.684	-6.218	10044.11
9082_9082	9082	9082	154.116	6.963	-0.113	4.378	6.218	-10044.1
9082_9083	9082	9083	-134.01	29.433	0.113	-4.378	-4.856	9813.61
9083_9083	9083	9083	134.009	-29.422	-0.071	-4.192	4.856	-9813.61
9083_9084	9083	9084	-119.058	65.787	0.071	4.192	-4.005	9169.011
9084_9084	9084	9084	119.059	-85.372	0.024	3.434	4.005	-9169.02
9084_9085	9084	9085	-107.19	119.214	-0.024	-3.434	-4.277	7967.397
9085_9085	9085	9085	107.19	-119.204	0.073	-4.275	4.277	-7967.4
9085_9086	9085	9086	-99.77	153.045	-0.073	4.275	-5.087	6407.168
9086_9086	9086	9086	99.769	-171.898	-0.057	1.204	5.087	-6407.16
9086_9087	9086	9087	-94.402	205.768	0.057	-1.204	-4.45	4265.54
9087_9087	9087	9087	94.401	-205.758	-0.011	-2.718	4.45	-4265.54
9087_9088	9087	9088	-93.487	239.596	0.011	2.718	-4.327	1767.164
9088_9088	9088	9088	93.485	-257.292	-0.199	-1.721	4.327	-1767.15
9088_9089	9088	9089	-95.901	297.257	0.199	1.721	-1.709	-1888.38
9089_9089	9089	9089	99.855	-296.126	-0.188	-0.364	1.338	1913.656

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9089_9090	9089	9090	-103.915	321.116	0.188	0.37	0.218	-4454.31
9090_9090	9090	9090	111.51	-341.765	-0.414	-6.31	-0.424	4454.802
9090_9091	9090	9091	-121.11	377.645	0.414	6.291	5.288	-8654.61
9091_9091	9091	9091	120.933	-375.263	-1.408	3.498	0.848	8713.11
9091_9092	9091	9092	-135.064	419.238	1.408	-3.47	17.845	-13929.6
9092_9092	9092	9092	148.538	-436.505	1.307	-24.363	-20.266	13931.08
9092_9093	9092	9093	-160.538	479.795	-1.307	24.305	3.855	-19616.5
9093_9093	9093	9093	173.645	-476.145	1.44	23.18	1.02	19619.21
9093_9094	9093	9094	-184.531	521.774	-1.44	-23.246	-19.149	-25822.6
9094_9094	9094	9094	-2071.03	217.054	-13.84	-4.237	205.068	6873.653
9094_9095	9094	9095	2092.421	-186.915	13.84	4.237	-73.626	-5042.65
9095_9095	9095	9095	-2094.46	186.984	-10.298	3.806	72.575	5052.508
9095_9096	9095	9096	2109.038	-162.957	10.298	-3.806	7.293	-3755.23
9096_9096	9096	9096	-2109.04	162.962	-10.405	3.614	-7.293	3755.232
9096_9097	9096	9097	2121.601	-138.966	10.405	-3.614	87.888	-2637.59
9097_9097	9097	9097	-2121.64	121.063	1.905	-1.663	-87.888	2637.547
9097_9098	9097	9098	2132.44	-96.262	-1.905	1.663	72.638	-1812.35
9098_9098	9098	9098	-2132.44	96.267	4.579	1.047	-72.638	1812.345
9098_9099	9098	9099	2141.094	-71.498	-4.579	-1.047	36.027	-1177.82
9099_9099	9099	9099	-2141.09	71.503	4.676	1.121	-36.027	1177.816
9099_9100	9099	9100	2147.628	-46.704	-4.676	-1.121	-1.407	-732.333
9100_9100	9100	9100	-2147.61	31.68	-0.747	-0.642	1.407	732.324
9100_9101	9100	9101	2151.439	-13.081	0.747	0.642	3.078	-614.409
9101_9101	9101	9101	-2151.44	13.085	-0.87	-0.711	-3.078	614.409
9101_9102	9101	9102	2154.061	5.483	0.87	0.711	8.294	-603.262
9102_9102	9102	9102	-2154.06	-5.479	-0.747	-0.641	-8.294	603.262
9102_9103	9102	9103	2155.487	24.078	0.747	0.641	12.779	-698.847
9103_9103	9103	9103	-2155.49	-24.074	2.949	1.681	-12.779	698.846
9103_9104	9103	9104	2155.711	42.672	-2.949	-1.681	-4.923	-901.256
9104_9104	9104	9104	-2155.73	-57.621	-5.808	-2.182	4.923	901.265
9104_9105	9104	9105	2154.607	82.387	5.808	2.182	41.506	-1457.98
9105_9105	9105	9105	-2154.61	-82.382	-2.949	0.636	-41.506	1457.978
9105_9106	9105	9106	2151.36	107.178	2.949	-0.636	65.109	-2205.15
9106_9106	9106	9106	-2151.36	-107.172	-3.032	0.526	-65.109	2205.147
9106_9107	9106	9107	2145.98	131.937	3.032	-0.526	89.348	-3140.92
9107_9107	9107	9107	-2145.95	-149.535	9.243	-3.256	-89.348	3140.959
9107_9108	9107	9108	2138.719	173.555	-9.243	3.256	17.684	-4366.12
9108_9108	9108	9108	-2138.72	-173.55	9.243	-3.256	-17.684	4366.124
9108_9109	9108	9109	2129.483	197.57	-9.243	3.256	-53.981	-5769.49
9109_9109	9109	9109	-2129.34	-197.517	11.54	3.261	54.115	5768.827
9109_9110	9109	9110	2114.794	227.677	-11.54	-3.261	-163.784	-7733.17
9110_9110	9110	9110	146.737	511.292	-1.497	-17.293	17.101	26744.43
9110_9111	9110	9111	-124.015	-465.821	1.497	17.24	1.741	-20733.6
9111_9111	9111	9111	110.987	465.495	-1.387	18.22	-5.378	20731.51
9111_9112	9111	9112	-85.635	-422.361	1.387	-18.267	22.788	-15275.7
9112_9112	9112	9112	72.755	406.215	1.622	-1.754	-21.009	15274.8
9112_9113	9112	9113	-42.313	-362.42	-1.622	1.786	-0.508	-10290.8
9113_9113	9113	9113	428.907	359.788	0.907	4.375	2.252	8159.527
9113_9114	9113	9114	-413.519	-323.853	-0.907	-4.38	-12.919	-4272.2
9114_9114	9114	9114	406.539	307.145	-0.126	1.006	13.037	4272.984
9114_9115	9114	9115	-380.252	-282.25	0.126	-1.006	-11.998	-1966.7
9115_9115	9115	9115	429.222	283.808	-0.112	0.648	11.603	1589.413
9115_9116	9115	9116	-367.691	-244.421	0.112	-0.648	-10.064	1753.226

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9116_9116	9116	9116	367.694	226.111	-0.222	6.902	10.064	-1753.24
9116_9117	9116	9117	-321.512	-194.051	0.222	-6.902	-7.582	3887.976
9117_9117	9117	9117	321.512	194.065	-0.101	-5.848	7.582	-3887.97
9117_9118	9117	9118	-280.11	-161.977	0.101	5.848	-6.448	5686.959
9118_9118	9118	9118	280.11	143.279	-0.438	8.747	6.448	-5686.96
9118_9119	9118	9119	-240.997	-111.22	0.438	-8.747	-1.561	6927.338
9119_9119	9119	9119	240.997	111.234	-0.317	-8.048	1.561	-6927.34
9119_9120	9119	9120	-206.67	-79.147	0.317	8.048	1.98	7831.215
9120_9120	9120	9120	206.669	59.994	-0.025	8.256	-1.98	-7831.23
9120_9121	9120	9121	-172.067	-25.552	0.025	-8.256	2.282	8182.638
9121_9121	9121	9121	172.067	25.568	0.087	-8.226	-2.282	-8182.64
9121_9122	9121	9122	-142.998	8.902	-0.087	8.226	1.236	8144.751
9122_9122	9122	9122	142.999	-28.172	-0.233	11.148	-1.236	-8144.75
9122_9123	9122	9123	-117.725	60.258	0.233	-11.148	3.84	7530.151
9123_9123	9123	9123	117.724	-60.244	-0.053	-11.718	-3.84	-7530.15
9123_9124	9123	9124	-97.272	92.329	0.053	11.718	4.437	6577.892
9124_9124	9124	9124	97.272	-113.624	-0.286	4.449	-4.437	-6577.9
9124_9125	9124	9125	-82.104	145.68	0.286	-4.449	7.633	5053.434
9125_9125	9125	9125	82.103	-145.665	-0.166	-5.452	-7.633	-5053.44
9125_9126	9125	9126	-71.74	177.75	0.166	5.452	9.487	3190.117
9126_9126	9126	9126	71.739	-194.329	0.592	-0.148	-9.487	-3190.11
9126_9127	9126	9127	-62.363	232.789	-0.592	0.148	1.554	275.144
9127_9127	9127	9127	65.964	-231.76	0.658	-0.791	-1.902	-261.413
9127_9128	9127	9128	-63.332	254.927	-0.658	0.797	-3.524	-1767.8
9128_9128	9128	9128	69.407	-270.198	-3.189	-4.69	3.386	1768.54
9128_9129	9128	9129	-69.379	303.587	3.189	4.665	34.104	-5169.44
9129_9129	9129	9129	71.051	-301.14	-4.986	7.23	-38.114	5207.607
9129_9130	9129	9130	-82.567	343.956	4.986	-7.185	104.309	-9472.84
9130_9130	9130	9130	95.157	-377.91	9.36	-5.834	-105.493	9475.097
9130_9131	9130	9131	-119.062	420.094	-9.36	5.741	-11.978	-14385.8
9131_9131	9131	9131	130.464	-416.565	9.417	6.129	13.245	14389.04
9131_9132	9131	9132	-151.316	461.129	-9.417	-6.233	-131.873	-19809.2
9132_9132	9132	9132	-1674.21	209.404	3.463	2.361	-25.785	5272.431
9132_9133	9132	9133	1697.574	-180.019	-3.463	-2.361	-7.109	-3517.95
9133_9133	9133	9133	-1700.4	179.93	1.001	-2.644	7.839	3531.693
9133_9134	9133	9134	1718.12	-157.683	-1.001	2.644	-15.594	-2296.08
9134_9134	9134	9134	-1718.11	157.692	3.41	0.798	15.594	2296.078
9134_9135	9134	9135	1733.537	-135.445	-3.41	-0.798	-42.018	-1223.69
9135_9135	9135	9135	-1733.54	116.447	0.372	-0.919	42.018	1223.685
9135_9136	9135	9136	1746.607	-93.483	-0.372	0.919	-44.991	-438.155
9136_9136	9136	9136	-1746.61	93.492	2.705	0.393	44.991	438.155
9136_9137	9136	9137	1757.228	-70.528	-2.705	-0.393	-66.634	173.449
9137_9137	9137	9137	-1757.23	70.537	2.705	0.393	66.634	-173.449
9137_9138	9137	9138	1765.41	-47.572	-2.705	-0.393	-88.277	611.129
9138_9138	9138	9138	-1765.41	30.881	-4.609	-0.218	88.277	-611.134
9138_9139	9138	9139	1770.414	-13.657	4.609	0.218	-60.622	723.198
9139_9139	9139	9139	-1770.42	13.664	-1.497	-0.006	60.622	-723.199
9139_9140	9139	9140	1774.052	3.559	1.497	0.006	-51.637	737.43
9140_9140	9140	9140	-1774.05	-3.553	-1.497	-0.006	51.637	-737.43
9140_9141	9140	9141	1776.312	20.776	1.497	0.006	-42.652	653.828
9141_9141	9141	9141	-1776.31	-20.769	-4.609	-0.479	42.652	-653.828
9141_9142	9141	9142	1777.195	37.992	4.609	0.479	-14.997	472.393
9142_9142	9142	9142	-1777.2	-57.782	-1.612	-0.118	14.997	-472.388

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9142_9143	9142	9143	1774.482	80.746	1.612	0.118	-2.099	-73.023
9143_9143	9143	9143	-1774.48	-80.737	-3.946	-1.442	2.099	73.023
9143_9144	9143	9144	1769.319	103.701	3.946	1.442	29.468	-792.358
9144_9144	9144	9144	-1769.32	-103.692	-1.612	0.785	-29.468	792.358
9144_9145	9144	9145	1761.723	126.657	1.612	-0.785	42.366	-1685.62
9145_9145	9145	9145	-1761.72	-143.015	2.133	0.817	-42.366	1685.617
9145_9146	9145	9146	1752.064	165.262	-2.133	-0.817	25.832	-2843.79
9146_9146	9146	9146	-1752.06	-165.253	-0.276	-4.081	-25.832	2843.793
9146_9147	9146	9147	1740.117	187.5	0.276	4.081	27.969	-4165.2
9147_9147	9147	9147	-1731.75	-187.569	2.119	2.437	-28.032	4124.389
9147_9148	9147	9148	1714.482	216.952	-2.119	-2.437	7.905	-5979.27
9148_9148	9148	9148	110.947	420.162	0.221	0.238	-20.757	20545.63
9148_9149	9148	9149	-84.648	-375.801	-0.221	-0.278	17.98	-15663.3
9149_9149	9149	9149	74.342	378.782	0.221	0.77	-17.965	15660.82
9149_9150	9149	9150	-44.106	-336.782	-0.221	-0.806	15.196	-11288.7
9150_9150	9150	9150	33.877	325.491	-0.71	0.234	-15.107	11287.18
9150_9151	9150	9151	-0.492	-282.827	0.71	-0.225	24.525	-7358.18
9151_9151	9151	9151	479.535	278.372	0.171	0.654	-13.972	4741.487
9151_9152	9151	9152	-462.062	-244.475	-0.171	-0.63	11.956	-1816.27
9152_9152	9152	9152	456.826	230.31	0.389	-1.765	-11.915	1816.768
9152_9153	9152	9153	-426.493	-206.864	-0.389	1.762	8.704	-157.433
9153_9153	9153	9153	452.825	208.807	0.314	1.137	-8.541	18.125
9153_9154	9153	9154	-386.408	-170.759	-0.314	-1.137	4.229	2310.437
9154_9154	9154	9154	386.412	152.795	-0.071	3.147	-4.229	-2310.46
9154_9155	9154	9155	-337.281	-122.357	0.071	-3.147	5.007	3614.993
9155_9155	9155	9155	337.281	122.377	-0.002	-2.825	-5.007	-3614.99
9155_9156	9155	9156	-293.261	-91.939	0.002	2.825	5.031	4605.23
9156_9156	9156	9156	293.262	73.951	0.076	3.645	-5.031	-4605.24
9156_9157	9156	9157	-255.349	-46.28	-0.076	-3.645	4.274	5043.247
9157_9157	9157	9157	255.349	46.298	0.151	-3.57	-4.274	-5043.25
9157_9158	9157	9158	-221.66	-18.627	-0.151	3.57	2.763	5221.509
9158_9158	9158	9158	221.66	1.248	0.01	3.14	-2.763	-5221.51
9158_9159	9158	9159	-189.787	26.423	-0.01	-3.14	2.662	4956.37
9159_9159	9159	9159	189.787	-26.404	0.085	-3.306	-2.662	-4956.37
9159_9160	9159	9160	-162.137	54.075	-0.085	3.306	1.808	4431.482
9160_9160	9160	9160	162.135	-71.685	0.182	-0.198	-1.808	-4431.48
9160_9161	9160	9161	-134	102.096	-0.182	0.198	-0.195	3350.739
9161_9161	9161	9161	134	-105.399	0.182	-0.201	0.195	-3350.74
9161_9162	9161	9162	-114.73	135.838	-0.182	0.201	-2.2	1933.332
9162_9162	9162	9162	114.726	-151.996	-0.038	-0.17	2.2	-1933.31
9162_9163	9162	9163	-94.714	190.044	0.038	0.17	-1.677	-515.551
9163_9163	9163	9163	98.056	-188.828	-0.116	-0.526	1.807	510.351
9163_9164	9163	9164	-90.228	212.303	0.116	0.53	-0.853	-2209.22
9164_9164	9164	9164	95.361	-226.302	0.254	1.393	0.908	2210.021
9164_9165	9164	9165	-88.176	260.107	-0.254	-1.399	-3.896	-5125.92
9165_9165	9165	9165	84.249	-257.117	-0.886	-2.971	10.43	5187.98
9165_9166	9165	9166	-88.525	299.637	0.886	3.007	1.333	-8907.58
9166_9166	9166	9166	98.347	-311.75	0.499	-5.862	-1.678	8909.966
9166_9167	9166	9167	-108.099	353.583	-0.499	5.817	-4.584	-13086.2
9167_9167	9167	9167	117.854	-349.673	0.562	5.421	5.753	13089.7
9167_9168	9167	9168	-131.109	393.8	-0.562	-5.472	-12.834	-17748.4
9168_9168	9168	9168	-1508.01	218.456	-2.457	-1.029	36.886	5176.8
9168_9169	9168	9169	1533.917	-189.269	2.457	1.029	-13.544	-3345.23

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9169_9169	9169	9169	-1538.13	189.208	-0.691	2.694	14.677	3365.739
9169_9170	9169	9170	1557.498	-166.889	0.691	-2.694	-9.323	-2064.81
9170_9170	9170	9170	-1557.5	166.902	-2.965	-0.473	9.323	2064.809
9170_9171	9170	9171	1574.476	-144.583	2.965	0.473	13.659	-927.233
9171_9171	9171	9171	-1574.47	127.158	1.463	0.702	-13.659	927.233
9171_9172	9171	9172	1589.289	-104.119	-1.463	-0.702	1.954	-62.984
9172_9172	9172	9172	-1589.29	104.132	-0.74	-0.159	-1.954	62.984
9172_9173	9172	9173	1601.551	-81.093	0.74	0.159	7.876	627.202
9173_9173	9173	9173	-1601.55	81.106	1.463	-0.038	-7.876	-627.201
9173_9174	9173	9174	1611.26	-58.067	-1.463	0.038	-3.829	1143.322
9174_9174	9174	9174	-1611.26	41.209	0.857	-0.182	3.829	-1143.33
9174_9175	9174	9175	1617.345	-23.929	-0.857	0.182	-8.974	1313.064
9175_9175	9175	9175	-1617.34	23.94	-2.08	0.568	8.974	-1313.06
9175_9176	9175	9176	1621.995	-6.66	2.08	-0.568	3.508	1384.886
9176_9176	9176	9176	-1622	6.67	0.857	-0.222	-3.508	-1384.89
9176_9177	9176	9177	1625.212	10.609	-0.857	0.222	-1.637	1358.799
9177_9177	9177	9177	-1625.21	-10.599	0.857	-0.222	1.637	-1358.8
9177_9178	9177	9178	1626.992	27.879	-0.857	0.222	-6.782	1234.799
9178_9178	9178	9178	-1626.99	-44.712	-1.885	-0.011	6.782	-1234.79
9178_9179	9178	9179	1627.758	67.751	1.885	0.011	8.295	779.91
9179_9179	9179	9179	-1627.76	-67.738	0.319	0.283	-8.295	-779.911
9179_9180	9179	9180	1625.972	90.777	-0.319	-0.283	5.746	150.967
9180_9180	9180	9180	-1625.97	-90.763	-1.885	-0.821	-5.746	-150.967
9180_9181	9180	9181	1621.633	113.803	1.885	0.821	20.823	-652.042
9181_9181	9181	9181	-1621.63	-130.847	3.226	1.011	-20.823	652.04
9181_9182	9181	9182	1614.928	153.166	-3.226	-1.011	-4.177	-1727.86
9182_9182	9182	9182	-1614.93	-156.495	3.226	1.011	4.177	1727.856
9182_9183	9182	9183	1603.311	178.815	-3.226	-1.011	-29.177	-2982.93
9183_9183	9183	9183	-1593.55	-178.846	1.315	-3.218	28.651	2935.291
9183_9184	9183	9184	1576.249	208.03	-1.315	3.218	-41.147	-4706.29
9184_9184	9184	9184	97.793	400.156	-0.916	-5.699	5.574	17125.86
9184_9185	9184	9185	-64.532	-356.263	0.916	5.653	5.963	-12480.9
9185_9185	9185	9185	54.708	360.219	-0.85	6.361	-7.187	12478.01
9185_9186	9185	9186	-18.26	-318.67	0.85	-6.403	17.852	-8324.02
9186_9186	9186	9186	8.432	307.288	1.199	0.441	-17.264	8322.255
9186_9187	9186	9187	28.906	-265.038	-1.199	-0.404	1.352	-4616.29
9187_9187	9187	9187	422.663	262.199	0.154	0.673	-6.196	2148.85
9187_9188	9187	9188	-405.049	-227.751	-0.154	-0.674	4.384	598.953
9188_9188	9188	9188	400.138	212.493	0.17	-2.252	-4.337	-598.196
9188_9189	9188	9189	-372.639	-188.629	-0.17	2.256	2.934	2123.521
9189_9189	9189	9189	387.264	190.829	0.129	2.287	-3.065	-2129.31
9189_9190	9189	9190	-330.739	-150.625	-0.129	-2.287	1.287	4243.931
9190_9190	9190	9190	330.743	132.076	-0.008	-3.511	-1.287	-4243.95
9190_9191	9190	9191	-289.296	-99.913	0.008	3.511	1.378	5347.909
9191_9191	9191	9191	289.295	99.934	-0.075	4.128	-1.378	-5347.91
9191_9192	9191	9192	-252.867	-67.771	0.075	-4.128	2.204	6117.496
9192_9192	9192	9192	252.869	48.913	-0.014	4.379	-2.204	-6117.5
9192_9193	9192	9193	-222.218	-19.82	0.014	-4.379	2.341	6329.917
9193_9193	9193	9193	222.218	19.839	0.06	-4.21	-2.341	-6329.92
9193_9194	9193	9194	-195.675	9.254	-0.06	4.21	1.744	6268.747
9194_9194	9194	9194	195.676	-27.799	-0.004	3.524	-1.744	-6268.75
9194_9195	9194	9195	-171.215	56.892	0.004	-3.524	1.785	5741.441
9195_9195	9195	9195	171.215	-56.873	0.07	-3.74	-1.785	-5741.44

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9195_9196	9195	9196	-150.879	85.937	-0.07	3.74	1.093	4941.494
9196_9196	9196	9196	150.876	-105.09	0.068	1.642	-1.093	-4941.48
9196_9197	9196	9197	-131.098	137.253	-0.068	-1.642	0.344	3519.158
9197_9197	9197	9197	131.097	-137.232	0.135	-2.278	-0.344	-3519.16
9197_9198	9197	9198	-116.338	169.395	-0.135	2.278	-1.138	1762.462
9198_9198	9198	9198	116.326	-191.103	0.026	-0.67	1.138	-1762.42
9198_9199	9198	9199	-107.172	231.336	-0.026	0.67	-1.493	-1196.44
9199_9199	9199	9199	109.307	-229.87	0.097	0.218	1.606	1168.962
9199_9200	9199	9200	-107.051	254.635	-0.097	-0.211	-2.405	-3190.98
9200_9200	9200	9200	113.261	-270.712	-0.971	-0.803	2.379	3192.052
9200_9201	9200	9201	-113.895	306.351	0.971	0.77	9.04	-6610.19
9201_9201	9201	9201	116.604	-302.422	-3.025	-0.437	-1.11	6646.649
9201_9202	9201	9202	-129.448	348.311	3.025	0.489	41.265	-10944.4
9202_9202	9202	9202	140.964	-363.406	2.635	5.229	-40.852	10947.54
9202_9203	9202	9203	-155.387	408.427	-2.635	-5.275	7.774	-15755.2
9203_9203	9203	9203	166.605	-403.625	2.573	-8.152	-9.24	15759.7
9203_9204	9203	9204	-181.839	450.946	-2.573	8.101	-23.149	-21087.9
9204_9204	9204	9204	-1800.06	237.008	-12.447	-3.083	241.773	6202.982
9204_9205	9204	9205	1824.048	-205.41	12.447	3.083	-123.53	-4201.4
9205_9205	9205	9205	-1824.95	205.37	-10.326	2.995	124.777	3982.088
9205_9206	9205	9206	1842.606	-181.081	10.326	-2.995	-44.752	-2556.23
9206_9206	9206	9206	-1842.61	181.094	-10.326	2.995	44.752	2556.232
9206_9207	9206	9207	1857.973	-156.805	10.326	-2.995	35.272	-1309.41
9207_9207	9207	9207	-1858.01	137.105	-3.121	-0.704	-35.272	1309.412
9207_9208	9207	9208	1871.363	-112.033	3.121	0.704	60.241	-367.426
9208_9208	9208	9208	-1871.36	112.047	-0.534	0.736	-60.241	367.426
9208_9209	9208	9209	1882.276	-86.974	0.534	-0.736	64.509	383.785
9209_9209	9209	9209	-1882.27	86.988	2.054	1.362	-64.509	-383.787
9209_9210	9209	9210	1890.745	-61.916	-2.054	-1.362	48.077	944.223
9210_9210	9210	9210	-1890.71	44.207	-5.25	0.444	-48.077	-944.232
9210_9211	9210	9211	1895.817	-25.403	5.25	-0.444	79.578	1131.646
9211_9211	9211	9211	-1895.82	25.413	-1.8	0.265	-79.578	-1131.65
9211_9212	9211	9212	1899.555	-6.608	1.8	-0.265	90.379	1211.751
9212_9212	9212	9212	-1899.56	6.619	1.65	0.032	-90.379	-1211.75
9212_9213	9212	9213	1901.915	12.186	-1.65	-0.032	80.48	1184.541
9213_9213	9213	9213	-1901.91	-12.176	5.1	-0.091	-80.48	-1184.54
9213_9214	9213	9214	1902.897	30.981	-5.1	0.091	49.88	1050.012
9214_9214	9214	9214	-1902.96	-48.389	-6.702	-2.332	-49.88	-1050.01
9214_9215	9214	9215	1902.634	73.431	6.702	2.332	103.434	563.116
9215_9215	9215	9215	-1902.64	-73.418	-1.554	-0.817	-103.434	-563.117
9215_9216	9215	9216	1899.877	98.492	1.554	0.817	115.863	-115.079
9216_9216	9216	9216	-1899.87	-98.478	3.621	2.44	-115.863	115.077
9216_9217	9216	9217	1894.666	123.553	-3.621	-2.44	86.893	-984.11
9217_9217	9217	9217	-1894.62	-143.45	11.181	-10.952	-86.893	984.229
9217_9218	9217	9218	1887.224	167.743	-11.181	10.952	0.226	-2162.35
9218_9218	9218	9218	-1887.17	-167.729	19.192	1.969	-0.226	2162.357
9218_9219	9218	9219	1877.479	192.023	-19.192	-1.969	-148.54	-3519.67
9219_9219	9219	9219	-1871.88	-195.406	20.031	6.318	148.602	3722.076
9219_9220	9219	9220	1854.078	227.008	-20.031	-6.318	-338.94	-5657.74
9220_9220	9220	9220	170.607	443.056	-3.052	-27.307	23.633	20463.07
9220_9221	9220	9221	-142.985	-395.989	3.052	27.27	14.766	-15288.2
9221_9221	9221	9221	131.981	401.316	-2.866	29.723	-20.646	15284.54
9221_9222	9221	9222	-101.839	-356.537	2.866	-29.756	56.634	-10622

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9222_9222	9222	9222	90.48	338.053	4.611	-0.854	-53.774	10621.06
9222_9223	9222	9223	-59.642	-292.416	-4.611	0.891	-7.419	-6520.17
9223_9223	9223	9223	481.706	290.901	2.131	2.828	-25.958	4157.961
9223_9224	9223	9224	-463.525	-254.662	-2.131	-2.871	0.911	-1091.7
9224_9224	9224	9224	457.811	236.168	0.459	8.771	-0.914	1093.24
9224_9225	9224	9225	-430.963	-211.012	-0.459	-8.761	-2.879	622.143
9225_9225	9225	9225	404.755	213.959	0.632	-5.773	3.653	-446.287
9225_9226	9225	9226	-352.308	-168.364	-0.632	5.773	-12.808	2991.869
9226_9226	9226	9226	352.365	148.128	0.283	9.541	12.808	-2992.21
9226_9227	9226	9227	-316.946	-112.328	-0.283	-9.541	-16.021	4321.472
9227_9227	9227	9227	316.947	112.349	0.443	-8.706	16.021	-4321.47
9227_9228	9227	9228	-286.533	-76.544	-0.443	8.706	-21.055	5263.84
9228_9228	9228	9228	286.534	58.13	0.112	9.672	21.055	-5264.03
9228_9229	9228	9229	-260.352	-22.349	-0.112	-9.672	-22.33	5606.692
9229_9229	9229	9229	260.351	22.37	0.272	-10.155	22.33	-5606.69
9229_9230	9229	9230	-239.168	13.417	-0.272	10.155	-25.425	5562.736
9230_9230	9230	9230	239.126	-32.475	2.576	10.17	25.425	-5562.49
9230_9231	9230	9231	-221.329	70.382	-2.576	-10.17	-56.445	4861.435
9231_9231	9231	9231	221.349	-70.362	2.716	-4.118	56.445	-4861.48
9231_9232	9231	9232	-211.733	98.623	-2.716	4.118	-80.829	4056.513
9232_9232	9232	9232	214.848	-97.576	3.458	-24.911	91.546	-4068.51
9232_9233	9232	9233	-211.886	107.44	-3.458	24.919	-102.185	3738.363
9233_9233	9233	9233	213.879	-126.684	-7.122	3.597	102.396	-3737.85
9233_9234	9233	9234	-205.057	157.392	7.122	-3.739	-34.508	2337.581
9234_9234	9234	9234	207.949	-153.915	-6.964	-5.717	34.253	-2336.79
9234_9235	9234	9235	-201.479	177.959	6.964	5.506	17.222	1071.608
9235_9235	9235	9235	199.121	-175.211	-8.013	-10.5	-23.071	-1043.59
9235_9236	9235	9236	-197.175	198.934	8.013	10.231	73.013	-141.855
9236_9236	9236	9236	201.63	-215.388	11.941	-5.693	-72.959	143.495
9236_9237	9236	9237	-201.625	253.653	-11.941	6.471	-44.836	-2479.08
9237_9237	9237	9237	158.627	-250.562	12.094	2.312	103.091	2790.728
9237_9238	9237	9238	-167.573	288.151	-12.094	-1.352	-216.39	-5313.51
9238_9238	9238	9238	177.046	-306.971	-7.896	-12.36	215.328	5315.36
9238_9239	9238	9239	-186.264	344.129	7.896	11.872	-144.376	-8238.88
9239_9239	9239	9239	191.006	-341.131	-7.784	6.252	146.729	8241.821
9239_9240	9239	9240	-195.4	357.812	7.784	-6.476	-116.063	-9616.54
9240_9240	9240	9240	-1322.46	287.433	13.174	12.258	648.898	2489.138
9240_9241	9240	9241	1333.471	-263.732	-13.174	-12.258	-732.305	-788.949
9241_9241	9241	9241	-1331.58	221.38	-32.134	-0.573	732.305	789.037
9241_9242	9241	9242	1337.565	-209.548	32.134	0.573	-630.74	-132.307
9242_9242	9242	9242	-1335.54	209.542	-29.201	0.721	632.515	122.256
9242_9243	9242	9243	1356.077	-163.931	29.201	-0.721	-271.772	2100.941
9243_9243	9243	9243	-1356.14	163.948	-25.063	-2.755	271.772	-2100.98
9243_9244	9243	9244	1367.875	-130.779	25.063	2.755	-46.606	3376.709
9244_9244	9244	9244	-1367.52	109.861	-29.781	6.561	46.606	-3376.1
9244_9245	9244	9245	1380.236	-71.27	29.781	-6.561	264.676	4270.279
9245_9245	9245	9245	-1380.31	71.286	-25.439	-2.414	-264.676	-4270.3
9245_9246	9245	9246	1388.463	-37.431	25.439	2.414	497.935	4734.661
9246_9246	9246	9246	-1388.89	21.868	-9.578	6.889	-497.935	-4733.86
9246_9247	9246	9247	1395.142	17.078	9.578	-6.889	598.971	4732.393
9247_9247	9247	9247	-1395.16	-17.062	-4.364	-4.806	-598.971	-4732.41
9247_9248	9247	9248	1397.575	50.603	4.364	4.806	638.621	4413.855
9248_9248	9248	9248	-1397.63	-67.369	1.056	3.172	-638.621	-4413.37

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9248_9249	9248	9249	1397.718	102.402	-1.056	-3.172	628.598	3605.896
9249_9249	9249	9249	-1397.71	-102.387	4.88	-2.41	-628.598	-3605.89
9249_9250	9249	9250	1394.485	139.804	-4.88	2.41	579.14	2389.683
9250_9250	9250	9250	-1394.61	-156.159	19.63	-1.759	-579.14	-2389.51
9250_9251	9250	9251	1388.645	192.626	-19.63	1.759	385.253	688.966
9251_9251	9251	9251	-1388.6	-192.61	23.462	-0.143	-385.253	-688.966
9251_9252	9251	9252	1379.516	228.604	-23.462	0.143	156.524	-1329.87
9252_9252	9252	9252	-1379.16	-256.204	3.132	-61.435	-156.524	1328.88
9252_9253	9252	9253	1376.029	267.869	-3.132	61.435	146.63	-2144.85
9253_9253	9253	9253	-1373.73	-267.855	6.02	-54.969	-146.815	2133.872
9253_9254	9253	9254	1362.25	303.414	-6.02	54.969	89.618	-4803.49
9254_9254	9254	9254	169.706	336.247	-27.423	65.624	104.82	12298.69
9254_9255	9254	9255	-146.012	-286.713	27.423	-65.908	222.157	-8643.34
9255_9255	9255	9255	134.72	250.591	21.571	-13.408	-212.619	8638.57
9255_9256	9255	9256	-113.151	-207.905	-21.571	13.518	-17.809	-6235.26
9256_9256	9256	9256	108.241	212.384	21.74	16.922	15.368	6233.048
9256_9257	9256	9257	-87.466	-169.647	-21.74	-16.829	-254.715	-4168.14
9257_9257	9257	9257	83.396	148.337	-9.57	-7.542	255.989	4166.933
9257_9258	9257	9258	-74.924	-129.998	9.57	7.537	-210.013	-3513.51
9258_9258	9258	9258	30.473	133.35	-9.525	-1.848	210.19	3737.31
9258_9259	9258	9259	-15.478	-100.348	9.525	1.842	-113.911	-2578.19
9259_9259	9259	9259	13.588	102.863	-9.4	9.441	113.651	2577.538
9259_9260	9259	9260	-9.228	-81.009	9.4	-9.443	-50.416	-1961.01
9260_9260	9260	9260	390.257	60.425	-0.338	17.873	6.625	103.133
9260_9261	9260	9261	-397.796	-49.91	0.338	-17.87	-5.555	105.375
9261_9261	9261	9261	414.375	51.397	0.13	5.624	2.937	-292.461
9261_9262	9261	9262	-442.617	-13.912	-0.13	-5.624	-4.43	805.332
9262_9262	9262	9262	442.616	13.934	0.471	-9.43	4.43	-805.33
9262_9263	9262	9263	-471.157	18.351	-0.471	9.43	-9.075	920.708
9263_9263	9263	9263	471.191	-43.765	0.962	4.876	9.075	-920.691
9263_9264	9263	9264	-511.254	82.179	-0.962	-4.876	-20.369	371.135
9264_9264	9264	9264	511.255	-82.155	1.156	-4.78	20.369	-371.132
9264_9265	9264	9265	-555.071	119.157	-1.156	4.78	-33.452	-562.539
9265_9265	9265	9265	555.115	-141.571	0.717	2.655	33.452	562.718
9265_9266	9265	9266	-606.322	180.054	-0.717	-2.655	-41.888	-2217.08
9266_9266	9266	9266	606.323	-180.03	0.901	-4.125	41.888	2217.08
9266_9267	9266	9267	-660.69	216.968	-0.901	4.125	-52.062	-4208.67
9267_9267	9267	9267	660.81	-241.047	1.785	-0.883	52.062	4209.487
9267_9268	9267	9268	-696.088	262.922	-1.785	0.883	-63.997	-5733
9268_9268	9268	9268	696.09	-262.908	1.845	-1.737	63.997	5733.007
9268_9269	9268	9269	-733.392	284.916	-1.845	1.737	-76.414	-7405.8
9269_9269	9269	9269	664.899	-281.03	1.971	-3.131	72.259	7939.205
9269_9270	9269	9270	-695.123	314.913	-1.971	3.125	-91.255	-10650.6
9270_9270	9270	9270	702.474	-331.49	-2.965	-11.689	90.902	10651.68
9270_9271	9270	9271	-702.77	368.57	2.965	11.705	-60.131	-14190.9
9271_9271	9271	9271	610.369	-364.389	-2.745	-2.648	53.156	14776.86
9271_9272	9271	9272	-596.481	397.557	2.745	2.664	-30.763	-17858.5
9272_9272	9272	9272	602.011	-393.406	-2.523	20.817	32.413	17858.03
9272_9273	9272	9273	-588.803	414.8	2.523	-20.809	-19.39	-19939.6
9273_9273	9273	9273	598.969	-437.714	4.647	-38.399	14.527	19942.63
9273_9274	9273	9274	-563.778	488.633	-4.647	37.959	-70.043	-25474.8
9274_9274	9274	9274	577.11	-484.323	4.998	22.866	76.28	25475.1
9274_9275	9274	9275	-539.184	542.948	-4.998	-23.446	-142.034	-32235.2

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9275_9275	9275	9275	-2015.43	346.52	-50.32	-3.473	1068.888	10540.82
9275_9276	9275	9276	2059.034	-327.441	50.32	3.473	-823.186	-9078.85
9276_9276	9276	9276	-2059.09	327.449	-47.924	1.524	823.186	9078.867
9276_9277	9276	9277	2099.62	-309.398	47.924	-1.524	-601.785	-7778.54
9277_9277	9277	9277	-2067.8	309.273	-44.352	3.642	601.413	7808.368
9277_9278	9277	9278	2151.923	-275.517	44.352	-3.642	-192.85	-5479.07
9278_9278	9278	9278	-2445.9	264.728	-26.946	-11.137	248.058	6905.813
9278_9279	9278	9279	2463.369	-223.406	26.946	11.137	56.659	-4217.29
9279_9279	9279	9279	-2463.45	223.426	-15.793	9.735	-56.659	4217.281
9279_9280	9279	9280	2476.9	-180.845	15.793	-9.735	240.693	-1917.4
9280_9280	9280	9280	-2477.42	154.668	-24.386	-2.84	-240.693	1918.006
9280_9281	9280	9281	2485.828	-111.881	24.386	2.84	526.226	-392.301
9281_9281	9281	9281	-2485.91	111.901	-13.899	2.335	-526.226	392.3
9281_9282	9281	9282	2489.673	-68.263	13.899	-2.335	692.21	667.064
9282_9282	9282	9282	-2521.07	49.475	-9.737	0.776	-701.99	-524.106
9282_9283	9282	9283	2522.658	-7.693	9.737	-0.776	822.797	870.91
9283_9283	9283	9283	-2522.67	7.712	2.733	0.626	-822.797	-870.936
9283_9284	9283	9284	2520.193	30.126	-2.733	-0.626	792.091	753.481
9284_9284	9284	9284	-2518.93	-68.152	54.878	-1.416	-792.091	-753.465
9284_9285	9284	9285	2512.954	102.258	-54.878	1.416	236.315	-86.333
9285_9285	9285	9285	-2512.78	-102.243	62.585	1.303	-236.315	86.32
9285_9286	9285	9286	2504.547	133.827	-62.585	-1.303	-350.624	-1161.18
9286_9286	9286	9286	-2504.47	-168.177	-11.009	-34.865	350.624	1161.248
9286_9287	9286	9287	2500.47	181.73	11.009	34.865	-306.321	-1849.68
9287_9287	9287	9287	-2498.13	-181.748	-12.521	-35.39	307.297	1619.071
9287_9288	9287	9288	2487.025	216.041	12.521	35.39	-188.37	-3465.5
9288_9288	9288	9288	243.876	797.734	-24.56	57.086	-41.868	22196.64
9288_9289	9288	9289	-226.478	-753.926	24.56	-56.921	305.205	-13975.6
9289_9289	9289	9289	197.964	657.159	19.285	-12.897	-297.129	13976.52
9289_9290	9289	9290	-174.966	-610.41	-19.285	12.826	67.597	-6544.13
9290_9290	9290	9290	156.62	615.725	19.416	8.918	-68.924	6542.29
9290_9291	9290	9291	-131.66	-571.512	-19.416	-8.966	-156.271	235.567
9291_9291	9291	9291	118.433	532.658	-12.78	10.557	156.257	-236.442
9291_9292	9291	9292	-109.934	-517.07	12.78	-10.548	-103.24	2379.007
9292_9292	9292	9292	85.915	519.264	-12.517	4.888	102.767	-2301.59
9292_9293	9292	9293	-68.751	-492.668	12.517	-4.881	-2.48	6280.188
9293_9293	9293	9293	62.315	494.316	-12.412	-4.364	2.547	-6280.37
9293_9294	9293	9294	-48.078	-467.871	12.412	4.364	96.549	10054.91
9294_9294	9294	9294	48.281	429.358	-1.049	38.812	-96.551	-10056.3
9294_9295	9294	9295	-41.208	-416.085	1.049	-38.812	100.756	11717.46
9295_9295	9295	9295	62.612	416.332	-0.774	5.905	-101.788	-11838.1
9295_9296	9295	9296	-48.684	-377.953	0.774	-5.905	109.673	15818.16
9296_9296	9296	9296	48.686	377.964	-0.652	-26.892	-109.673	-15818.1
9296_9297	9296	9297	-39.201	-346.834	0.652	26.892	115.06	18767.92
9297_9297	9297	9297	-60.84	312.631	3.443	34.387	-79.574	-18206.6
9297_9298	9297	9298	65.956	-269.524	-3.443	-34.387	40.009	21530.83
9298_9298	9298	9298	-65.939	269.538	3.606	-25.149	-40.009	-21530.9
9298_9299	9298	9299	67.877	-229.48	-3.606	25.149	1.495	24189.28
9299_9299	9299	9299	-67.974	195.725	0.924	44.48	-1.495	-24192.6
9299_9300	9299	9300	68.995	-155.213	-0.924	-44.48	-8.48	26085.89
9300_9300	9300	9300	-68.995	155.229	1.079	-27.345	8.48	-26085.9
9300_9301	9300	9301	66.609	-107.194	-1.079	27.345	-22.3	27780.96
9301_9301	9301	9301	-66.659	71.363	-0.325	52.731	22.3	-27784.5

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9301_9302	9301	9302	62.827	-26.886	0.325	-52.731	-18.452	28388.41
9302_9302	9302	9302	-62.827	26.901	-0.136	-44.121	18.452	-28388.4
9302_9303	9302	9303	55.727	17.193	0.136	44.121	-16.848	28482.35
9303_9303	9303	9303	-55.739	-52.086	0.566	40.855	16.848	-28486.4
9303_9304	9303	9304	46.609	99.201	-0.566	-40.855	-23.962	27582.94
9304_9304	9304	9304	-46.604	-99.186	0.728	-40.993	23.962	-27583
9304_9305	9304	9305	35.477	140.607	-0.728	40.993	-32.001	26314.68
9305_9305	9305	9305	-35.505	-175.057	0.373	47.012	32.001	-26318
9305_9306	9305	9306	23.092	216.506	-0.373	-47.012	-36.118	24216.36
9306_9306	9306	9306	-23.092	-216.491	0.569	-40.473	36.118	-24216.4
9306_9307	9306	9307	5.467	263.575	-0.569	40.473	-43.258	21290.27
9307_9307	9307	9307	-5.494	-295.251	0.267	18.123	43.258	-21292.9
9307_9308	9307	9308	-13.245	339.854	-0.267	-18.123	-46.432	17608.95
9308_9308	9308	9308	13.246	-343.302	0.391	-21.835	46.432	-17609
9308_9309	9308	9309	-37.239	387.198	-0.391	21.835	-51.013	13451.46
9309_9309	9309	9309	37.006	-419.01	-7.796	6.793	51.013	-13452.8
9309_9310	9309	9310	-64.64	463.81	7.796	-6.793	42.1	8315.001
9310_9310	9310	9310	64.605	-463.795	-7.634	-16.274	-42.1	-8314.97
9310_9311	9310	9311	-94.838	507.507	7.634	16.274	131.068	2801.869
9311_9311	9311	9311	96.087	-535.326	39.511	-15.231	-131.068	-2803.04
9311_9312	9311	9312	-105.957	547.769	-39.511	15.231	0	1054.482
9400_9020	9400	9020	2394.288	-240.389	44.46	1.415	-400.184	-3961.37
9400_9401	9400	9401	-2395.34	244.371	-44.46	-1.415	218.318	2969.909
9401_9401	9401	9401	2394.314	-239.6	18.823	-0.138	-205.116	-2970.03
9401_9402	9401	9402	-2395.22	242.995	-18.823	0.138	139.411	2127.744
9402_9402	9402	9402	2400.44	-184.847	14.147	-1	-140.616	-2127.66
9402_9403	9402	9403	-2403.53	195.396	-14.147	1	-13.841	51.864
9403_9403	9403	9403	2419.006	-123.206	-0.815	-0.706	23.047	-51.838
9403_9404	9403	9404	-2421.26	130.106	0.815	0.706	-17.173	-861.375
9404_9404	9404	9404	2423.632	-73.726	-2.25	-0.59	17.334	861.372
9404_9405	9404	9405	-2426.05	80.575	2.25	0.59	-1.102	-1417.9
9405_9405	9405	9405	2441.651	3.185	-0.782	-0.495	11.41	1417.916
9405_9406	9405	9406	-2446.96	10.319	0.782	0.495	-0.134	-1469.32
9406_9406	9406	9406	2454.768	75.189	-1.369	-0.675	11.272	1469.332
9406_9407	9406	9407	-2458.32	-67.016	1.369	0.675	0.851	-839.853
9407_9407	9407	9407	2456.428	117.429	-3	-0.112	-0.614	839.853
9407_9408	9407	9408	-2458.88	-112.087	3	0.112	17.284	-202.089
9408_9408	9408	9408	2435.329	-408.919	-0.689	-3.442	-20.094	202.105
9408_9409	9408	9409	-2436.03	412.048	0.689	3.442	22.184	-1445.92
9409_9409	9409	9409	2431.87	389.804	-1.426	2.307	-21.935	1447.255
9409_9410	9409	9410	-2431.17	-386.686	1.426	-2.307	26.243	-274.595
9410_9410	9410	9410	2448.424	-131.028	4.98	-1.549	-22.758	274.609
9410_9411	9410	9411	-2445.97	136.369	-4.98	1.549	-4.919	-1017.63
9411_9411	9411	9411	2448.249	-86.407	1.026	-0.03	4.182	1017.637
9411_9412	9411	9412	-2444.7	94.578	-1.026	0.03	-13.264	-1818.6
9412_9412	9412	9412	2434.786	-8.349	0.529	-0.549	2.137	1818.614
9412_9413	9412	9413	-2429.48	21.866	-0.529	0.549	-9.765	-2036.51
9413_9413	9413	9413	2411.71	60.452	2.09	-0.885	-0.041	2036.506
9413_9414	9413	9414	-2409.29	-53.608	-2.09	0.885	-15.024	-1625.35
9414_9414	9414	9414	2407.399	109.579	0.347	-0.039	14.609	1625.355
9414_9415	9414	9415	-2405.14	-102.685	-0.347	0.039	-17.106	-860.673
9415_9415	9415	9415	2384.314	175.006	-7.987	-0.841	7.152	860.686
9415_9416	9415	9416	-2381.22	-164.46	7.987	0.841	80.037	992.186

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9416_9416	9416	9416	2376.438	223.233	-6.836	1.63	-80.165	-992.175
9416_9417	9416	9417	-2375.53	-219.832	6.836	-1.63	104.062	1766.653
9417_9417	9417	9417	2376.555	225.248	-34.341	-1.646	-113.509	-1766.75
9417_9036	9417	9036	-2375.51	-221.261	34.341	1.646	254.135	2680.961
9420_9056	9420	9056	2049.513	-224.977	34.412	1.404	-215.494	-3904.68
9420_9421	9420	9421	-2050.44	228.512	-34.412	-1.404	74.517	2975.759
9421_9421	9421	9421	2049.428	-222.685	6.114	0.599	-64.244	-2975.72
9421_9422	9421	9422	-2050.23	225.691	-6.114	-0.599	42.916	2193.714
9422_9422	9422	9422	2055.058	-176.459	4.536	-0.101	-43.396	-2193.71
9422_9423	9422	9423	-2057.8	185.809	-4.536	0.101	-6.138	215.547
9423_9423	9423	9423	2075.11	-123.703	-0.38	-0.003	16.267	-215.539
9423_9424	9423	9424	-2077.11	129.814	0.38	0.003	-13.527	-697.973
9424_9424	9424	9424	2079.566	-81.438	-2.137	0.28	13.734	697.969
9424_9425	9424	9425	-2081.71	87.503	2.137	-0.28	1.671	-1307.03
9425_9425	9425	9425	2095.002	-16.528	-0.981	0.217	9.89	1307.029
9425_9426	9425	9426	-2099.7	28.497	0.981	-0.217	4.245	-1631.54
9426_9426	9426	9426	2106.147	44.527	0.791	-0.23	7.599	1631.535
9426_9427	9426	9427	-2109.3	-37.282	-0.791	0.23	-14.606	-1269.31
9427_9427	9427	9427	2108.095	80.339	-1.945	1.091	15.342	1269.302
9427_9428	9427	9428	-2110.28	-75.574	1.945	-1.091	-4.528	-835.864
9428_9428	9428	9428	2084.13	-369.172	3.462	-0.28	1.151	835.863
9428_9429	9428	9429	-2084.75	371.952	-3.462	0.28	-11.61	-1955.4
9429_9429	9429	9429	2086.137	376.618	-3.696	0.541	11.552	1957.096
9429_9430	9429	9430	-2085.52	-373.838	3.696	-0.541	-0.387	-823.727
9430_9430	9430	9430	2107.872	-71.088	1.568	-0.332	3.136	823.721
9430_9431	9430	9431	-2105.68	75.854	-1.568	0.332	-11.853	-1232.22
9431_9431	9431	9431	2106.792	-32.982	-0.48	0.617	11.327	1232.225
9431_9432	9431	9432	-2103.64	40.225	0.48	-0.617	-7.075	-1556.32
9432_9432	9432	9432	2092.463	33.258	1.124	0.268	-4.314	1556.308
9432_9433	9432	9433	-2087.76	-21.284	-1.124	-0.268	-11.895	-1163.07
9433_9433	9433	9433	2068.932	91.563	1.561	0.342	0.58	1163.06
9433_9434	9433	9434	-2066.79	-85.5	-1.561	-0.342	-11.833	-525.019
9434_9434	9434	9434	2064.187	134.423	0.424	0.357	11.741	525.021
9434_9435	9434	9435	-2062.19	-128.308	-0.424	-0.357	-14.797	422.405
9435_9435	9435	9435	2049.005	189.313	-12.128	0.597	4.922	-422.428
9435_9436	9435	9436	-2046.27	-179.969	12.128	-0.597	127.448	2437.617
9436_9436	9436	9436	2041.176	230.445	-15.373	-0.252	-126.329	-2437.68
9436_9437	9436	9437	-2040.37	-227.432	15.373	0.252	180.06	3237.825
9437_9437	9437	9437	2041.999	231.329	-29.063	-1.313	-194.6	-3237.81
9437_9072	9437	9072	-2041.07	-227.798	29.063	1.313	313.563	4177.481
9440_9094	9440	9094	2359.165	-210.298	30.082	0.827	-138.871	-2606.27
9440_9441	9440	9441	-2360.09	213.8	-30.082	-0.827	15.601	1737.324
9441_9441	9441	9441	2358.264	-207.113	1.006	0.02	-2.807	-1737.28
9441_9442	9441	9442	-2359.06	210.093	-1.006	-0.02	-0.705	1009.147
9442_9442	9442	9442	2363.459	-152.852	0.181	-0.356	0.6	-1009.15
9442_9443	9442	9443	-2366.17	162.11	-0.181	0.356	-2.579	-710.251
9443_9443	9443	9443	2381.349	-90.13	-1.661	0.05	17.19	710.264
9443_9444	9443	9444	-2383.33	96.178	1.661	-0.05	-5.227	-1381.14
9444_9444	9444	9444	2384.902	-41.818	-1.181	-0.349	5.128	1381.141
9444_9445	9444	9445	-2387.02	47.831	1.181	0.349	3.394	-1704.57
9445_9445	9445	9445	2393.449	34.058	-1.789	-0.046	12.595	1704.575
9445_9446	9445	9446	-2398.11	-22.201	1.789	0.046	13.196	-1299.06
9446_9446	9446	9446	2397.688	105.588	3.085	-0.175	1.927	1299.071

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9446_9447	9446	9447	-2400.81	-98.409	-3.085	0.175	-29.253	-395.511
9447_9447	9447	9447	2398.16	149.627	-3.042	0.182	29.695	395.478
9447_9448	9447	9448	-2400.33	-144.914	3.042	-0.182	-12.809	421.966
9448_9448	9448	9448	2376.979	-363.311	0.656	3.097	11.806	-421.954
9448_9449	9448	9449	-2377.6	366.069	-0.656	-3.097	-13.79	-681.082
9449_9449	9449	9449	2377	363.344	1.892	-3.391	13.856	681.213
9449_9450	9449	9450	-2376.38	-360.586	-1.892	3.391	-19.579	413.58
9450_9450	9450	9450	2395.485	-145.466	-1.441	0.174	21.784	-413.561
9450_9451	9450	9451	-2393.32	150.188	1.441	-0.174	-13.774	-408.315
9451_9451	9451	9451	2395.9	-100.946	-0.688	-0.235	13.829	408.313
9451_9452	9451	9452	-2392.78	108.124	0.688	0.235	-7.731	-1334.28
9452_9452	9452	9452	2389.439	-24.913	1.218	-0.061	-7.641	1334.268
9452_9453	9452	9453	-2384.78	36.767	-1.218	0.061	-9.92	-1778.8
9453_9453	9453	9453	2374.628	43.909	1.687	-0.067	-5.414	1778.796
9453_9454	9453	9454	-2372.51	-37.907	-1.687	0.067	-6.742	-1484.08
9454_9454	9454	9454	2370.943	94.115	1.114	0.137	6.62	1484.076
9454_9455	9454	9455	-2368.96	-88.06	-1.114	-0.137	-14.652	-827.363
9455_9455	9455	9455	2350.173	159.437	0.022	0.32	0.211	827.35
9455_9456	9455	9456	-2347.46	-150.174	-0.022	-0.32	-0.455	863.784
9456_9456	9456	9456	2343.184	206.418	-2.111	-0.496	0.677	-863.784
9456_9457	9456	9457	-2342.39	-203.439	2.111	0.496	6.687	1578.834
9457_9457	9457	9457	2344.362	210.139	-21.758	-0.582	-20.736	-1578.85
9457_9110	9457	9110	-2343.44	-206.639	21.758	0.582	109.861	2432.448
9460_9132	9460	9132	1922.592	-190.822	-37.788	-3.225	239.732	-3050.37
9460_9461	9460	9461	-1923.51	194.321	37.788	3.225	-85.002	2261.841
9461_9461	9461	9461	1921.644	-190.26	-10.296	-0.748	97.987	-2261.83
9461_9462	9461	9462	-1922.44	193.238	10.296	0.748	-62.074	1592.986
9462_9462	9462	9462	1926.53	-147.056	-8.571	-0.778	62.466	-1592.97
9462_9463	9462	9463	-1929.24	156.316	8.571	0.778	31.136	-63.505
9463_9463	9463	9463	1913.418	-98.718	0.178	-0.978	-15.459	63.523
9463_9464	9463	9464	-1915.4	104.771	-0.178	0.978	14.178	-796.792
9464_9464	9464	9464	1917.315	-60.221	0.178	-0.648	-14.197	796.792
9464_9465	9464	9465	-1919.44	66.229	-0.178	0.648	12.916	-1252.72
9465_9465	9465	9465	1897.813	1.001	-1.574	-0.781	1.743	1252.722
9465_9466	9465	9466	-1902.47	10.848	1.574	0.781	20.933	-1323.66
9466_9466	9466	9466	1878.723	58.763	3.666	-0.604	-6.57	1323.696
9466_9467	9466	9467	-1881.84	-51.579	-3.666	0.604	-25.921	-834.698
9467_9467	9467	9467	1880.345	91.115	1.517	-0.215	26.331	834.685
9467_9468	9467	9468	-1882.51	-86.396	-1.517	0.215	-34.764	-341.433
9468_9468	9468	9468	1835.526	-297.755	-6.79	17.304	33.069	341.427
9468_9469	9468	9469	-1836.14	300.512	6.79	-17.304	-12.542	-1245.69
9469_9469	9469	9469	1839.707	298.562	5.743	-17.536	13.703	1258.061
9469_9470	9469	9470	-1839.09	-295.805	-5.743	17.536	-31.063	-359.697
9470_9470	9470	9470	1885.927	-88.897	-3.778	1.023	32.986	359.686
9470_9471	9470	9471	-1883.76	93.617	3.778	-1.023	-11.99	-866.839
9471_9471	9471	9471	1885.288	-54.859	-1.622	-0.202	12.434	866.833
9471_9472	9471	9472	-1882.17	62.034	1.622	0.202	1.925	-1384.33
9472_9472	9472	9472	1905.553	8.84	1.993	0.542	-16.791	1384.294
9472_9473	9472	9473	-1900.9	3.018	-1.993	-0.542	-11.942	-1342.32
9473_9473	9473	9473	1915.56	63.762	0.238	0.534	-2.655	1342.314
9473_9474	9473	9474	-1913.44	-57.754	-0.238	-0.534	0.938	-904.18
9474_9474	9474	9474	1911.58	102.215	0.238	0.556	-0.925	904.18
9474_9475	9474	9475	-1909.6	-96.162	-0.238	-0.556	-0.791	-189.334

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9475_9475	9475	9475	1911.924	154.065	5.856	0.955	-12.838	189.326
9475_9476	9475	9476	-1909.21	-144.805	-5.856	-0.955	-51.111	1442.568
9476_9476	9476	9476	1905.192	190.568	4.146	-1.601	51.474	-1442.56
9476_9477	9476	9477	-1904.4	-187.591	-4.146	1.601	-65.937	2102.084
9477_9477	9477	9477	1905.848	193	-6.306	0.384	55.189	-2102.09
9477_9148	9477	9148	-1904.93	-189.501	6.306	-0.384	-29.369	2885.207
9480_9168	9480	9168	1744.7	-191.243	-9.573	-0.483	54.381	-3411.87
9480_9481	9480	9481	-1745.62	194.742	9.573	0.483	-15.181	2621.621
9481_9481	9481	9481	1744.24	-190.679	-2.539	-0.295	25.289	-2621.62
9481_9482	9481	9482	-1745.04	193.666	2.539	0.295	-16.408	1949.445
9482_9482	9482	9482	1749.329	-150.002	-2.539	-0.705	16.395	-1949.45
9482_9483	9482	9483	-1752.04	159.253	2.539	0.705	11.308	262.333
9483_9483	9483	9483	1727.125	-107.271	0.762	-1.206	1.902	-262.318
9483_9484	9483	9484	-1729.1	113.324	-0.762	1.206	-7.392	-532.591
9484_9484	9484	9484	1731.271	-73.101	-1.586	-0.644	7.621	532.588
9484_9485	9484	9485	-1733.39	79.11	1.586	0.644	3.816	-1081.39
9485_9485	9485	9485	1698.594	-18.702	-2.523	-0.937	9.774	1081.423
9485_9486	9485	9486	-1703.25	30.559	2.523	0.937	26.601	-1436.54
9486_9486	9486	9486	1657.764	33.355	5.118	0.618	-12.264	1436.584
9486_9487	9486	9487	-1660.88	-26.18	-5.118	-0.618	-33.048	-1173.02
9487_9487	9487	9487	1659.982	60.323	8.154	-2.172	32.084	1173.047
9487_9488	9487	9488	-1662.15	-55.603	-8.154	2.172	-77.402	-850.92
9488_9488	9488	9488	1588.489	-275.339	-15.215	33.144	76.434	850.854
9488_9489	9488	9489	-1589.11	278.096	15.215	-33.144	-30.44	-1687.35
9489_9489	9489	9489	1596.281	281.896	11.978	-32.937	69.021	1706.919
9489_9490	9489	9490	-1595.66	-279.139	-11.978	32.937	-105.231	-858.936
9490_9490	9490	9490	1670.897	-53.871	-9.457	1.953	105.501	858.927
9490_9491	9490	9491	-1668.73	58.591	9.457	-1.953	-52.942	-1171.43
9491_9491	9491	9491	1669.601	-23.514	-7.562	-0.482	53.545	1171.4
9491_9492	9491	9492	-1666.48	30.698	7.562	0.482	13.481	-1411.65
9492_9492	9492	9492	1709.754	32.213	2.434	0.942	-27.724	1411.598
9492_9493	9492	9493	-1705.1	-20.364	-2.434	-0.942	-7.344	-1032.82
9493_9493	9493	9493	1738.247	81.343	1.86	0.692	-5.592	1032.822
9493_9494	9493	9494	-1736.13	-75.334	-1.86	-0.692	-7.819	-467.916
9494_9494	9494	9494	1733.907	115.668	-0.511	1.164	7.619	467.918
9494_9495	9494	9495	-1731.93	-109.615	0.511	-1.164	-3.937	343.883
9495_9495	9495	9495	1753.874	162.655	2.706	1.209	-8.622	-343.891
9495_9496	9495	9496	-1751.16	-153.387	-2.706	-1.209	-20.954	2071.061
9496_9496	9496	9496	1747.174	193.611	1.145	-1.18	21.487	-2071.06
9496_9497	9496	9497	-1746.38	-190.642	-1.145	1.18	-25.47	2739.357
9497_9497	9497	9497	1747.256	196.806	6.075	0.538	14.555	-2739.37
9497_9184	9497	9184	-1746.34	-193.307	-6.075	-0.538	-39.431	3538.064
9500_9204	9500	9204	2099.31	-226.89	30.552	1.16	-134.619	-3958.63
9500_9501	9500	9501	-2100.4	231.028	-30.552	-1.16	9.517	3021.106
9501_9501	9501	9501	2100.247	-226.103	4.582	5.013	-0.759	-3021.11
9501_9502	9501	9502	-2101.19	229.625	-4.582	-5.013	-15.224	2226.297
9502_9502	9502	9502	2106.097	-179.143	-1.266	-1.693	13.482	-2226.31
9502_9503	9502	9503	-2109.31	190.095	1.266	1.693	0.344	210.201
9503_9503	9503	9503	2130.154	-126.611	-2.188	0.225	6.797	-210.173
9503_9504	9503	9504	-2132.5	133.769	2.188	-0.225	8.968	-728.099
9504_9504	9504	9504	2135.029	-84.165	0.732	-0.576	-9.317	728.095
9504_9505	9504	9505	-2137.54	91.271	-0.732	0.576	4.039	-1360.64
9505_9505	9505	9505	2152.06	-18.04	-0.529	-0.008	3.955	1360.652

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9505_9506	9505	9506	-2157.57	32.054	0.529	0.008	3.661	-1721.54
9506_9506	9506	9506	2167.768	41.644	1.419	-0.482	5.296	1721.53
9506_9507	9506	9507	-2171.46	-33.148	-1.419	0.482	-17.872	-1390.08
9507_9507	9507	9507	2170.281	78.768	-1.589	1.037	18.729	1390.067
9507_9508	9507	9508	-2172.82	-73.233	1.589	-1.037	-9.896	-967.696
9508_9508	9508	9508	2147.329	-386.189	-0.913	1.102	7.655	967.682
9508_9509	9508	9509	-2148.05	389.422	0.913	-1.102	-4.895	-2140.02
9509_9509	9509	9509	2148.509	391.626	5.568	-0.716	4.809	2139.708
9509_9510	9509	9510	-2147.79	-388.393	-5.568	0.716	-21.641	-960.732
9510_9510	9510	9510	2178.214	-71.549	0.732	-0.929	22.339	960.766
9510_9511	9510	9511	-2175.67	77.084	-0.732	0.929	-26.408	-1373.78
9511_9511	9511	9511	2176.795	-32.312	-3.148	0.962	25.325	1373.803
9511_9512	9511	9512	-2173.11	40.798	3.148	-0.962	2.551	-1697.48
9512_9512	9512	9512	2168.075	34.1	1.354	0.27	-11.368	1697.475
9512_9513	9512	9513	-2162.57	-20.086	-1.354	-0.27	-8.139	-1307.08
9513_9513	9513	9513	2151.676	93.48	1.909	0.713	-1.159	1307.096
9513_9514	9513	9514	-2149.17	-86.373	-1.909	-0.713	-12.609	-658.552
9514_9514	9514	9514	2146.579	136.299	2.145	0.346	12.646	658.551
9514_9515	9514	9515	-2144.24	-129.14	-2.145	-0.346	-28.106	298.062
9515_9515	9515	9515	2128.455	193.179	-7.715	0.47	22.145	-298.087
9515_9516	9515	9516	-2125.25	-182.226	7.715	-0.47	62.117	2348.253
9516_9516	9516	9516	2120.257	233.163	-9.172	0.297	-61.644	-2348.27
9516_9517	9516	9517	-2119.32	-229.641	9.172	-0.297	93.644	3155.584
9517_9517	9517	9517	2118.869	235.828	-49.131	-3.351	-99.117	-3155.7
9517_9220	9517	9220	-2117.78	-231.689	49.131	3.351	300.341	4113.098
9520_9240	9520	9240	1627.427	-266.262	-22.093	11.799	-514.097	-7251.68
9520_9521	9520	9521	-1628.74	271.224	22.093	-11.799	604.41	6153.075
9521_9521	9521	9521	1615.58	-271.612	36.515	-6.42	-599.486	-6153.93
9521_9522	9521	9522	-1616.71	275.845	-36.515	6.42	472.061	5198.701
9522_9522	9522	9522	1622.851	-237.037	36.633	5.285	-471.963	-5198.71
9522_9523	9522	9523	-1626.71	250.2	-36.633	-5.285	71.701	2536.858
9523_9523	9523	9523	1644.635	-202.396	7.044	0.666	-71.374	-2536.43
9523_9524	9523	9524	-1647.45	210.989	-7.044	-0.666	20.641	1047.691
9524_9524	9524	9524	1651.91	-172.693	3.894	-0.93	-21.353	-1047.68
9524_9525	9524	9525	-1654.92	181.225	-3.894	0.93	-6.711	-227.816
9525_9525	9525	9525	1692.474	-127.031	-1.951	-0.971	8.811	227.925
9525_9526	9525	9526	-1699.09	143.883	1.951	0.971	19.32	-2181.48
9526_9526	9526	9526	1727.703	-86.183	-1.816	-4.478	-14.237	2179.524
9526_9527	9526	9527	-1732.13	96.37	1.816	4.478	30.312	-2987.34
9527_9527	9527	9527	1733.707	-61.57	-6.971	5.161	-26.251	2987.372
9527_9528	9527	9528	-1736.74	68.172	6.971	-5.161	65.016	-3348.11
9528_9528	9528	9528	1699.831	-436.076	9.2	-13.861	-72.695	3348.109
9528_9529	9528	9529	-1700.69	439.934	-9.2	13.861	44.855	-4673.58
9529_9529	9529	9529	1697.853	426.319	0.747	11.201	-44.274	4670.262
9529_9530	9529	9530	-1696.99	-422.473	-0.747	-11.201	42.019	-3389.7
9530_9530	9530	9530	1736.321	57.845	7.569	-4.013	-38.803	3387.877
9530_9531	9530	9531	-1733.29	-51.242	-7.569	4.013	-3.293	-3084.52
9531_9531	9531	9531	1731.906	86.365	4.367	1.751	0.678	3084.523
9531_9532	9531	9532	-1727.48	-76.17	-4.367	-1.751	-39.346	-2364.86
9532_9532	9532	9532	1715.438	134.63	-1.855	0.321	33.934	2364.029
9532_9533	9532	9533	-1708.82	-117.794	1.855	-0.321	-7.199	-545.256
9533_9533	9533	9533	1687.765	175.673	3.345	2.743	4.111	545.691
9533_9534	9533	9534	-1684.75	-167.139	-3.345	-2.743	-28.224	690.048

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9534_9534	9534	9534	1680.387	206.476	-2.145	-0.267	29.049	-690.019
9534_9535	9534	9535	-1677.58	-197.876	2.145	0.267	-13.584	2147.315
9535_9535	9535	9535	1628.546	249.084	24.157	4.386	12.998	-2145.91
9535_9536	9535	9536	-1624.69	-235.923	-24.157	-4.386	-276.902	4795.16
9536_9536	9536	9536	1618.61	274.818	21.048	-11.904	279.503	-4795
9536_9537	9536	9537	-1617.48	-270.586	-21.048	11.904	-352.952	5746.601
9537_9537	9537	9537	1625.621	264.785	-32.331	-119.904	355.224	-5764.32
9537_9254	9537	9254	-1624.31	-259.82	32.331	119.904	-222.972	6837.281
9540_9275	9540	9275	2837.206	-275.838	54.443	16.84	-1124.24	-3765.26
9540_9541	9540	9541	-2838.61	281.186	-54.443	-16.84	901.375	2625.143
9541_9541	9541	9541	2836.16	-276.116	59.634	-9.498	-891.602	-2635.92
9541_9542	9541	9542	-2837.38	280.669	-59.634	9.498	683.577	1664.78
9542_9542	9542	9542	2843.43	-212.486	52.833	2.832	-684.801	-1664.3
9542_9543	9542	9543	-2847.58	226.645	-52.833	-2.832	107.788	-733.654
9543_9543	9543	9543	2877.408	-135.651	7.526	-3.328	-103.251	729.8
9543_9544	9543	9544	-2880.43	144.901	-7.526	3.328	49.03	-1740.46
9544_9544	9544	9544	2882.991	-79.3	4.73	-0.507	-48.492	1740.478
9544_9545	9544	9545	-2886.23	88.498	-4.73	0.507	14.343	-2346.15
9545_9545	9545	9545	2917.455	11.477	0.594	-1.791	-8.433	2342.923
9545_9546	9545	9546	-2924.57	6.641	-0.594	1.791	-0.127	-2308.08
9546_9546	9546	9546	2938.343	92.577	9.274	-1.199	5.634	2305.771
9546_9547	9546	9547	-2943.11	-81.608	-9.274	1.199	-87.744	-1534.66
9547_9547	9547	9547	2940.907	140.296	6.201	-1.38	88.422	1534.625
9547_9548	9547	9548	-2944.16	-133.205	-6.201	1.38	-122.93	-773.637
9548_9548	9548	9548	2914.981	-485.709	0.337	9.052	118.459	766.984
9548_9549	9548	9549	-2915.91	489.833	-0.337	-9.052	-119.473	-2237.61
9549_9549	9549	9549	2934.039	515.487	0.953	-8.866	119.774	2249.141
9549_9550	9549	9550	-2933.09	-511.418	-0.953	8.866	-122.614	-718.448
9550_9550	9550	9550	2965.496	-137.412	4.896	-0.644	126.434	711.15
9550_9551	9550	9551	-2962.06	144.563	-4.896	0.644	-154.141	-1509
9551_9551	9551	9551	2964.603	-76.41	-4.593	0.586	151.926	1509.223
9551_9552	9551	9552	-2959.92	86.774	4.593	-0.586	-113.252	-2196.26
9552_9552	9552	9552	2941.944	31.141	0.041	-0.604	108.066	2196.442
9552_9553	9552	9553	-2934.81	-13.502	-0.041	0.604	-108.639	-1882.05
9553_9553	9553	9553	2906.446	121.36	-6.951	1.114	103.669	1881.906
9553_9554	9553	9554	-2903.22	-112.416	6.951	-1.114	-54.741	-1059.12
9554_9554	9554	9554	2899.383	186.823	-6.117	-0.601	54.855	1059.118
9554_9555	9554	9555	-2896.38	-177.797	6.117	0.601	-11.785	224.499
9555_9555	9555	9555	2851.916	279.938	-10.047	0.154	11.408	-223.675
9555_9556	9555	9556	-2847.88	-266.12	10.047	-0.154	95.663	3133.503
9556_9556	9556	9556	2839.561	343.575	-13.11	-0.733	-94.705	-3133.53
9556_9557	9556	9557	-2838.39	-339.106	13.11	0.733	139.556	4301.266
9557_9557	9557	9557	2834.416	356.146	-15.237	-69.093	-141.262	-4323.62
9557_9288	9557	9288	-2832.55	-348.818	15.237	69.093	226.55	6296.651
41000_1000	41000	1000	-0.541	428.201	1.6	-2.803	0	-0.844
41000_1001	41000	1001	0.541	-370.876	-1.6	2.803	-27.21	6795.201
41001_1001	41001	1001	-0.544	370.876	1.599	10.551	27.21	-6795.19
41001_1002	41001	1002	0.544	-334.29	-1.599	-10.551	-44.564	10621.86
41002_1002	41002	1002	-0.637	309.701	-1.6	-2.756	44.564	-10621.1
41002_1003	41002	1003	0.637	-268.599	1.6	2.756	-25.052	14146.61
41003_1003	41003	1003	-0.635	268.599	-1.601	8.776	25.052	-14146.6
41003_1004	41003	1004	0.635	-227.494	1.601	-8.776	-5.533	17171.25
41004_1004	41004	1004	-0.571	207.376	1.024	-6.462	5.533	-17169.9

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41004_1005	41004	1005	0.571	-166.259	-1.024	6.462	-18.021	19448.52
41005_1005	41005	1005	-0.572	166.259	1.023	9.381	18.021	-19448.5
41005_1006	41005	1006	0.572	-125.14	-1.023	-9.381	-30.504	21225.8
41006_1006	41006	1006	-0.588	101.127	0.196	-8.434	30.504	-21224.5
41006_1007	41006	1007	0.588	-60.029	-0.196	8.434	-32.897	22206.92
41007_1007	41007	1007	-0.588	60.029	0.196	9.657	32.897	-22206.9
41007_1008	41007	1008	0.588	-18.927	-0.196	-9.657	-35.285	22688.27
41008_1008	41008	1008	-0.587	-5.696	0.373	-8.298	35.285	-22687.4
41008_1009	41008	1009	0.587	46.777	-0.373	8.298	-39.833	22367.68
41009_1009	41009	1009	-0.587	-46.777	0.373	7.728	39.833	-22367.7
41009_1010	41009	1010	0.587	87.895	-0.373	-7.728	-44.381	21546.34
41010_1010	41010	1010	-0.59	-112.5	0.03	-18.385	44.381	-21545.9
41010_1011	41010	1011	0.59	153.593	-0.03	18.385	-44.747	19924.08
41011_1011	41011	1011	-0.59	-153.593	0.029	16.068	44.747	-19924.1
41011_1012	41011	1012	0.59	194.66	-0.029	-16.068	-45.101	17802.75
41012_1012	41012	1012	-0.591	-220.113	-0.89	4.221	45.101	-17802.7
41012_1013	41012	1013	0.591	261.218	0.89	-4.221	-34.247	14868.06
41013_1013	41013	1013	-0.592	-261.218	-0.89	-7.88	34.247	-14868.1
41013_1014	41013	1014	0.592	302.319	0.89	7.88	-23.399	11432.57
41014_1014	41014	1014	-0.592	-327.44	0.088	-1.113	23.399	-11432.6
41014_1015	41014	1015	0.592	383.848	-0.088	1.113	-24.87	5481.371
41015_1015	41015	1015	3.704	-383.836	0.089	-8.718	24.79	-5481.82
41015_1016	41015	1016	-4.002	410.064	-0.089	8.718	-25.521	2206.997
41016_1016	41016	1016	13.34	-431.828	2.045	-4.59	25.497	-2206.69
41016_1017	41016	1017	-14.572	469.379	-2.045	4.59	-49.527	-3087.28
41017_1017	41017	1017	27.602	-468.799	2.046	-1.598	49.654	3087.063
41017_1018	41017	1018	-30.345	513.83	-2.046	1.598	-76.826	-9607.99
41018_1018	41018	1018	46.305	-530.915	-0.124	-14.649	75.837	9607.811
41018_1019	41018	1019	-50.256	575.209	0.124	14.649	-74.242	-16543.2
41019_1019	41019	1019	66.024	-573.615	-0.123	10.936	77.007	16543.24
41019_1020	41019	1020	-71.5	620.4	0.123	-10.936	-75.397	-24054.8
41020_1020	41020	1020	-2296.18	176.439	-9.509	-4.148	262.419	4534.15
41020_1021	41020	1021	2296.184	-145.433	9.509	4.148	-172.058	-3004.82
41021_1021	41021	1021	-2296.19	145.433	-6.834	0.597	172.058	2966.897
41021_1022	41021	1022	2296.193	-122.252	6.834	-0.597	-119.095	-1929.6
41022_1022	41022	1022	-2296.2	122.252	-3.89	3.071	119.095	1929.6
41022_1023	41022	1023	2296.2	-99.075	3.89	-3.071	-88.953	-1072.07
41023_1023	41023	1023	-2296.18	80.291	-11.018	-0.468	88.953	1072.054
41023_1024	41023	1024	2296.179	-56.364	11.018	0.468	-0.81	-525.453
41024_1024	41024	1024	-2296.18	56.364	-11.018	-0.468	0.81	525.453
41024_1025	41024	1025	2296.179	-32.437	11.018	0.468	87.332	-170.26
41025_1025	41025	1025	-2296.19	28.797	-8.165	-0.256	-87.332	170.261
41025_1026	41025	1026	2296.191	-4.874	8.165	0.256	152.644	-35.601
41026_1026	41026	1026	-2296.19	-12.107	-5.07	-0.909	-152.644	35.6
41026_1027	41026	1027	2296.194	30.042	5.07	0.909	183.047	-161.973
41027_1027	41027	1027	-2296.2	-30.042	-0.849	-0.611	-183.047	161.974
41027_1028	41027	1028	2296.199	48.004	0.849	0.611	188.146	-396.319
41028_1028	41028	1028	-2296.2	-48.004	-1.264	-0.683	-188.146	396.319
41028_1029	41028	1029	2296.199	65.936	1.264	0.683	195.722	-737.875
41029_1029	41029	1029	-2296.2	-65.936	-0.849	-0.55	-195.722	737.875
41029_1030	41029	1030	2296.199	83.898	0.849	0.55	200.821	-1187.77
41030_1030	41030	1030	-2296.19	-100.539	8.057	-1.057	-200.821	1187.779
41030_1031	41030	1031	2296.187	124.453	-8.057	1.057	136.405	-2087.22

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41031_1031	41031	1031	-2296.19	-124.453	8.362	-0.78	-136.405	2087.216
41031_1032	41031	1032	2296.186	148.396	-8.362	0.78	69.469	-3179.33
41032_1032	41032	1032	-2296.19	-148.396	8.057	-1.203	-69.469	3179.329
41032_1033	41032	1033	2296.187	172.31	-8.057	1.203	5.053	-4461.4
41033_1033	41033	1033	-2296.24	-189.252	-3.87	-29.2	-5.053	4461.548
41033_1034	41033	1034	2296.235	212.44	3.87	29.2	35.056	-6018.59
41034_1034	41034	1034	-2296.24	-212.44	-0.924	-21.478	-35.056	6018.625
41034_1035	41034	1035	2296.238	235.624	0.924	21.478	42.218	-7755.19
41035_1035	41035	1035	-2296.14	-235.624	21.09	53.796	-42.218	7794.01
41035_1036	41035	1036	2296.141	266.627	-21.09	-53.796	-158.175	-10180.2
41036_1036	41036	1036	34.442	511.034	0.471	-9.813	-0.039	31293.6
41036_1037	41036	1037	-28.966	-464.257	-0.471	9.813	-5.931	-25159.7
41037_1037	41037	1037	16.196	464.852	0.491	9.98	3.897	25159.68
41037_1038	41037	1038	-12.245	-420.542	-0.491	-9.98	-10.084	-19606.7
41038_1038	41038	1038	-0.318	407.292	-2.441	-2.021	11.032	19607.67
41038_1039	41038	1039	3.061	-362.3	2.441	2.021	21.354	-14505.2
41039_1039	41039	1039	-13.602	362.157	-2.42	14.682	-21.843	14540.56
41039_1040	41039	1040	14.836	-324.518	2.42	-14.682	50.304	-10503.5
41040_1040	41040	1040	-21.455	305.351	2.45	2.501	-49.935	10504.23
41040_1041	41040	1041	21.752	-279.186	-2.45	-2.501	29.719	-8093.02
41041_1041	41041	1041	-24.687	278.829	2.456	3.873	-29.696	8103.62
41041_1042	41041	1042	24.687	-231.637	-2.456	-3.873	-10.36	-3941.15
41042_1042	41042	1042	-24.714	210.475	-0.024	1.765	10.36	3941.261
41042_1043	41042	1043	24.714	-175.806	0.024	-1.765	-10.07	-1627.25
41043_1043	41043	1043	-24.714	175.806	-0.004	3.119	10.07	1627.248
41043_1044	41043	1044	24.714	-141.138	0.004	-3.119	-10.026	271.266
41044_1044	41044	1044	-24.713	116.347	0.055	1.756	10.026	-271.26
41044_1045	41044	1045	24.713	-81.685	-0.055	-1.756	-10.685	1457.326
41045_1045	41045	1045	-24.713	81.685	0.076	0.543	10.685	-1457.33
41045_1046	41045	1046	24.713	-47.024	-0.076	-0.543	-11.59	2228.145
41046_1046	41046	1046	-24.715	24.478	-0.029	0.703	11.59	-2228.2
41046_1047	41046	1047	24.715	10.207	0.029	-0.703	-11.24	2313.722
41047_1047	41047	1047	-24.715	-10.207	-0.01	-1.073	11.24	-2313.72
41047_1048	41047	1048	24.715	44.861	0.01	1.073	-11.117	1983.992
41048_1048	41048	1048	-24.718	-66.791	-0.199	-0.553	11.117	-1984.02
41048_1049	41048	1049	24.718	101.471	0.199	0.553	-8.735	975.741
41049_1049	41049	1049	-24.718	-101.471	-0.159	-2.116	8.735	-975.739
41049_1050	41049	1050	24.718	136.119	0.159	2.116	-6.829	-446.607
41050_1050	41050	1050	-24.734	-156.488	-1.352	-3.821	6.829	446.639
41050_1051	41050	1051	24.734	203.637	1.352	3.821	15.206	-3380.49
41051_1051	41051	1051	-22.272	-204.011	-1.317	1.046	-15.189	3377.145
41051_1052	41051	1052	21.994	228.459	1.317	-1.046	26.04	-5159.24
41052_1052	41052	1052	-16.217	-248.342	1.477	-7.571	-26.268	5159.249
41052_1053	41052	1053	15.064	283.485	-1.477	7.571	8.911	-8284.91
41053_1053	41053	1053	-6.933	-283.918	1.507	5.588	-8.352	8278.571
41053_1054	41053	1054	4.22	328.332	-1.507	-5.588	-11.661	-12341.6
41054_1054	41054	1054	6.527	-343.883	0.96	-6.574	10.789	12341.65
41054_1055	41054	1055	-10.422	387.457	-0.96	6.574	-22.796	-16928.8
41055_1055	41055	1055	21.141	-387.078	0.981	7.105	24.299	16928.84
41055_1056	41055	1056	-26.517	432.942	-0.981	-7.105	-36.594	-22090.4
41056_1056	41056	1056	-1901.35	246.476	-4.333	-1.265	87.389	7256.23
41056_1057	41056	1057	1901.354	-215.812	4.333	1.265	-46.226	-5060.3
41057_1057	41057	1057	-1901.36	215.812	-2.974	2.471	46.226	5028.495

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41057_1058	41057	1058	1901.357	-191.271	2.974	-2.471	-23.191	-3451.83
41058_1058	41058	1058	-1901.36	191.271	-2.974	2.471	23.191	3451.83
41058_1059	41058	1059	1901.357	-166.73	2.974	-2.471	-0.155	-2065.27
41059_1059	41059	1059	-1901.42	148.983	-8.873	0.15	0.155	2065.295
41059_1060	41059	1060	1901.418	-123.618	8.873	-0.15	70.882	-974.039
41060_1060	41060	1060	-1901.43	119.978	-6.651	1.289	-70.882	974.038
41060_1061	41060	1061	1901.427	-94.646	6.651	-1.289	124.061	-116.011
41061_1061	41061	1061	-1901.43	94.646	-4.132	1.442	-124.061	116.009
41061_1062	41061	1062	1901.434	-69.284	4.132	-1.442	157.135	540.122
41062_1062	41062	1062	-1901.4	52.991	-2.13	2.112	-157.135	-540.125
41062_1063	41062	1063	1901.404	-33.977	2.13	-2.112	169.917	801.09
41063_1063	41063	1063	-1901.41	33.977	0.842	0.86	-169.917	-801.092
41063_1064	41063	1064	1901.405	-14.997	-0.842	-0.86	164.87	947.788
41064_1064	41064	1064	-1901.41	14.997	1.033	0.765	-164.87	-947.788
41064_1065	41064	1065	1901.405	4.015	-1.033	-0.765	158.672	980.737
41065_1065	41065	1065	-1901.4	-4.015	4.196	-0.866	-158.672	-980.737
41065_1066	41065	1066	1901.4	23.025	-4.196	0.866	133.494	899.614
41066_1066	41066	1066	-1901.37	-39.621	5.827	1.049	-133.494	-899.635
41066_1067	41066	1067	1901.37	64.979	-5.827	-1.049	86.858	481.035
41067_1067	41067	1067	-1901.36	-64.979	8.198	0.449	-86.858	-481.036
41067_1068	41067	1068	1901.361	90.335	-8.198	-0.449	21.243	-140.469
41068_1068	41068	1068	-1901.36	-90.335	8.062	0.439	-21.243	140.47
41068_1069	41068	1069	1901.362	115.659	-8.062	-0.439	-43.197	-963.749
41069_1069	41069	1069	-1901.41	-132.833	7.791	-0.432	43.197	963.794
41069_1070	41069	1070	1901.411	157.392	-7.791	0.432	-103.592	-2088.7
41070_1070	41070	1070	-1901.41	-157.392	7.791	-0.432	103.592	2088.697
41070_1071	41070	1071	1901.411	181.952	-7.791	0.432	-163.986	-3403.99
41071_1071	41071	1071	-1901.41	-181.952	9.124	2.357	163.986	3434.463
41071_1072	41071	1072	1901.405	212.597	-9.124	-2.357	-250.612	-5307.44
41072_1072	41072	1072	31.757	481.221	-1.441	-2.924	62.234	19835.33
41072_1073	41072	1073	-26.38	-435.36	1.441	2.924	-44.142	-14067.1
41073_1073	41073	1073	14.405	435.868	-1.422	6.473	43.048	14067.07
41073_1074	41073	1074	-10.51	-392.301	1.422	-6.473	-25.237	-8873.85
41074_1074	41074	1074	-1.413	377.259	-1.432	3.442	25.566	8874.149
41074_1075	41074	1075	4.126	-332.861	1.432	-3.442	-6.555	-4163.62
41075_1075	41075	1075	-14.08	332.501	-1.402	11.967	6.434	4165.129
41075_1076	41075	1076	15.215	-297.904	1.402	-11.967	10.047	-458.788
41076_1076	41076	1076	-21.402	275.074	1.852	3.465	-9.814	458.989
41076_1077	41076	1077	21.676	-250.994	-1.852	-3.465	-5.468	1711.037
41077_1077	41077	1077	-24.35	250.646	1.883	1.886	5.511	-1705.86
41077_1078	41077	1078	24.35	-205.236	-1.883	-1.886	-33.436	5085.437
41078_1078	41078	1078	-24.373	185.51	-0.311	5.614	33.436	-5085.53
41078_1079	41078	1079	24.373	-151.049	0.311	-5.614	-29.938	6979.02
41079_1079	41079	1079	-24.373	151.049	-0.288	-0.863	29.938	-6979.02
41079_1080	41079	1080	24.373	-116.558	0.288	0.863	-26.692	8485.858
41080_1080	41080	1080	-24.373	95.938	-0.182	5.484	26.692	-8486.1
41080_1081	41080	1081	24.373	-61.45	0.182	-5.484	-24.641	9372.253
41081_1081	41081	1081	-24.373	61.45	-0.161	-2.831	24.641	-9372.26
41081_1082	41081	1082	24.373	-26.964	0.161	2.831	-22.833	9870.037
41082_1082	41082	1082	-24.374	4.688	-0.209	8.225	22.833	-9870.32
41082_1083	41082	1083	24.374	32.372	0.209	-8.225	-20.298	9702.827
41083_1083	41083	1083	-24.374	-32.372	-0.169	-7.8	20.298	-9702.83
41083_1084	41083	1084	24.374	69.429	0.169	7.8	-18.251	9086.958

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41084_1084	41084	1084	-24.373	-91.333	-0.044	6.052	18.251	-9087.18
41084_1085	41084	1085	24.373	125.815	0.044	-6.052	-17.76	7864.789
41085_1085	41085	1085	-24.373	-125.815	0	-7.91	17.76	-7864.79
41085_1086	41085	1086	24.373	160.294	0	7.91	-17.756	6254.302
41086_1086	41086	1086	-24.381	-180.53	-0.749	1.806	17.756	-6254.41
41086_1087	41086	1087	24.381	215.01	0.749	-1.806	-9.319	4027.945
41087_1087	41087	1087	-24.382	-215.01	-0.706	-5.345	9.319	-4027.94
41087_1088	41087	1088	24.382	249.487	0.706	5.345	-1.37	1413.499
41088_1088	41088	1088	-24.387	-267.561	-0.91	-2.774	1.37	-1413.55
41088_1089	41088	1089	24.387	311.229	0.91	2.774	11.611	-2712.66
41089_1089	41089	1089	-20.804	-311.567	-0.917	-3.216	-11.638	2702.742
41089_1090	41089	1090	20.518	336.784	0.917	3.216	19.205	-5378.85
41090_1090	41090	1090	-12.552	-358.633	0.502	-7.142	-19.373	5378.855
41090_1091	41090	1091	11.365	394.802	-0.502	7.142	13.477	-9805.66
41091_1091	41091	1091	-0.254	-395.087	0.515	0.953	-13.214	9805.912
41091_1092	41091	1092	-2.432	439.167	-0.515	-0.953	6.366	-15339.9
41092_1092	41092	1092	16.003	-453.053	1.037	-17.339	-7.936	15340.07
41092_1093	41092	1093	-19.862	496.351	-1.037	17.339	-5.05	-21297.9
41093_1093	41093	1093	33.602	-495.662	1.075	15.843	8.463	21297.93
41093_1094	41093	1094	-38.933	541.18	-1.075	-15.843	-21.939	-27817
41094_1094	41094	1094	-2254.1	216.088	-2.533	-4.765	5.029	7971.563
41094_1095	41094	1095	2254.096	-185.64	2.533	4.765	19.045	-6062.64
41095_1095	41095	1095	-2254.1	185.64	-1.921	-2.956	-19.045	6062.688
41095_1096	41095	1096	2254.096	-161.393	1.921	2.956	33.942	-4717.44
41096_1096	41096	1096	-2254.09	161.393	3.82	9.06	-33.942	4717.432
41096_1097	41096	1097	2254.094	-137.18	-3.82	-9.06	4.363	-3561.61
41097_1097	41097	1097	-2254.16	120.505	-4.359	-2.307	-4.363	3561.693
41097_1098	41097	1098	2254.158	-95.478	4.359	2.307	39.247	-2697.49
41098_1098	41098	1098	-2254.16	95.478	-1.543	1.062	-39.247	2697.49
41098_1099	41098	1099	2254.162	-70.452	1.543	-1.062	51.596	-2033.58
41099_1099	41099	1099	-2254.16	70.452	-1.543	1.062	-51.596	2033.583
41099_1100	41099	1100	2254.162	-45.425	1.543	-1.062	63.946	-1569.94
41100_1100	41100	1100	-2254.06	30.159	12.245	7.655	-63.946	1569.901
41100_1101	41100	1101	2254.058	-11.39	-12.245	-7.655	-9.539	-1445.22
41101_1101	41101	1101	-2254.06	11.39	12.163	7.603	9.539	1445.225
41101_1102	41101	1102	2254.059	7.348	-12.163	-7.603	-82.413	-1433.11
41102_1102	41102	1102	-2254.05	-7.348	-14.033	-9.052	82.413	1433.106
41102_1103	41102	1103	2254.048	26.122	14.033	9.052	1.83	-1533.57
41103_1103	41103	1103	-2254.07	-26.122	-10.28	-6.499	-1.83	1533.584
41103_1104	41103	1104	2254.068	44.896	10.28	6.499	63.541	-1746.75
41104_1104	41104	1104	-2254.06	-60.143	0.279	-2.056	-63.541	1746.744
41104_1105	41104	1105	2254.057	85.143	-0.279	2.056	61.307	-2327.45
41105_1105	41105	1105	-2254.06	-85.143	3.182	0.941	-61.307	2327.446
41105_1106	41105	1106	2254.055	110.174	-3.182	-0.941	35.837	-3109.07
41106_1106	41106	1106	-2254.06	-110.174	3.182	0.941	-35.837	3109.065
41106_1107	41106	1107	2254.055	135.204	-3.182	-0.941	10.366	-4091.02
41107_1107	41107	1107	-2254.07	-151.452	0.318	-3.043	-10.366	4091.056
41107_1108	41107	1108	2254.074	175.668	-0.318	3.043	7.902	-5357.53
41108_1108	41108	1108	-2254.07	-175.668	0.401	-2.847	-7.902	5357.525
41108_1109	41108	1109	2254.074	199.916	-0.401	2.847	4.795	-6813.5
41109_1109	41109	1109	-2254.07	-199.916	2.695	4.304	-4.795	6813.444
41109_1110	41109	1110	2254.073	230.364	-2.695	-4.304	-20.818	-8858.04
41110_1110	41110	1110	29.935	527.982	-0.868	-17.348	29.066	28880.41

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41110_1111	41110	1111	-24.604	-482.466	0.868	17.348	-18.201	-22528.1
41111_1111	41111	1111	11.001	479.274	-0.817	18.499	14.441	22528.13
41111_1112	41111	1112	-7.142	-435.982	0.817	-18.499	-4.218	-16785.7
41112_1112	41112	1112	-5.754	424.007	-0.795	-1.564	5.937	16786.06
41112_1113	41112	1113	8.44	-379.903	0.795	1.564	4.623	-11450.6
41113_1113	41113	1113	-19.587	379.344	-0.755	14.22	-5.094	11437.88
41113_1114	41113	1114	20.771	-343.278	0.755	-14.22	13.97	-7193.43
41114_1114	41114	1114	-27.894	325.179	1.306	-2.8	-13.608	7193.642
41114_1115	41114	1115	28.18	-300.036	-1.306	2.8	2.828	-4613.92
41115_1115	41115	1115	-31.366	299.627	1.375	7.372	-2.835	4629.345
41115_1116	41115	1116	31.366	-256.695	-1.375	-7.372	-17.475	-520.112
41116_1116	41116	1116	-31.366	237.514	-0.373	3.734	17.475	520.108
41116_1117	41116	1117	31.366	-204.814	0.373	-3.734	-13.282	1968.418
41117_1117	41117	1117	-31.367	204.814	-0.345	1.985	13.282	-1968.42
41117_1118	41117	1118	31.367	-172.115	0.345	-1.985	-9.403	4088.981
41118_1118	41118	1118	-31.367	152.621	-0.096	6.942	9.403	-4088.99
41118_1119	41118	1119	31.367	-119.894	0.096	-6.942	-8.319	5623.462
41119_1119	41119	1119	-31.367	119.894	-0.041	-2.969	8.319	-5623.47
41119_1120	41119	1120	31.367	-87.196	0.041	2.969	-7.858	6788.478
41120_1120	41120	1120	-31.367	65.707	-0.116	3.908	7.858	-6788.49
41120_1121	41120	1121	31.367	-30.539	0.116	-3.908	-6.45	7370.836
41121_1121	41121	1121	-31.367	30.539	-0.091	-2.101	6.45	-7370.84
41121_1122	41121	1122	31.367	4.599	0.091	2.101	-5.351	7527.662
41122_1122	41122	1122	-31.367	-25.899	-0.065	2.696	5.351	-7527.66
41122_1123	41122	1123	31.367	58.624	0.065	-2.696	-4.62	7051.768
41123_1123	41123	1123	-31.367	-58.624	-0.037	-3.499	4.62	-7051.77
41123_1124	41123	1124	31.367	91.319	0.037	3.499	-4.199	6208.29
41124_1124	41124	1124	-31.368	-114.303	-0.333	2.624	4.199	-6208.29
41124_1125	41124	1125	31.368	147.028	0.333	-2.624	-0.445	4736.923
41125_1125	41125	1125	-31.368	-147.028	-0.278	-5.756	0.445	-4736.92
41125_1126	41125	1126	31.368	179.723	0.278	5.756	2.681	2898.888
41126_1126	41126	1126	-31.37	-196.499	-2.161	-3.123	-2.681	-2898.89
41126_1127	41126	1127	31.37	237.041	2.161	3.123	32.826	-125.131
41127_1127	41127	1127	-28.574	-237.456	-2.126	-2.11	-32.845	115.454
41127_1128	41127	1128	28.307	260.911	2.126	2.11	50.386	-2171.34
41128_1128	41128	1128	-22.046	-277.055	2.129	-9.724	-50.654	2171.299
41128_1129	41128	1129	20.94	310.748	-2.129	9.724	25.623	-5626.18
41129_1129	41129	1129	-12.125	-311.344	2.195	6.808	-24.945	5628.571
41129_1130	41129	1130	9.502	354.39	-2.195	-6.808	-4.204	-10045.8
41130_1130	41130	1130	3.194	-386.823	-3.994	-8.843	3.055	10045.77
41130_1131	41130	1131	-6.965	429.115	3.994	8.843	47.136	-15163.7
41131_1131	41131	1131	18.776	-428.807	-3.969	4.525	-45.936	15163.69
41131_1132	41131	1132	-23.992	473.392	3.969	-4.525	96.025	-20842.8
41132_1132	41132	1132	-1889.44	206.076	28.058	18.37	-295.37	5797.278
41132_1133	41132	1133	1889.444	-176.39	-28.058	-18.37	28.815	-3980.56
41133_1133	41133	1133	-1889.48	176.39	25.62	14.604	-28.815	3996.941
41133_1134	41133	1134	1889.479	-153.884	-25.62	-14.604	-169.744	-2717.13
41134_1134	41134	1134	-1889.65	153.884	-3.635	-27.464	169.744	2717.032
41134_1135	41134	1135	1889.649	-131.374	3.635	27.464	-141.569	-1611.5
41135_1135	41135	1135	-1889.75	110.937	-3.744	0.748	141.569	1612.074
41135_1136	41135	1136	1889.747	-87.7	3.744	-0.748	-111.612	-817.366
41136_1136	41136	1136	-1889.74	87.7	-6.105	-0.273	111.612	817.366
41136_1137	41136	1137	1889.741	-64.463	6.105	0.273	-62.76	-208.576

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41137_1137	41137	1137	-1889.75	64.463	-3.744	-0.013	62.76	208.576
41137_1138	41137	1138	1889.747	-41.226	3.744	0.013	-32.802	214.263
41138_1138	41138	1138	-1889.83	25.503	-2.907	0.297	32.802	-214.264
41138_1139	41138	1139	1889.826	-8.104	2.907	-0.297	-15.386	314.942
41139_1139	41139	1139	-1889.83	8.104	0.31	-0.239	15.386	-314.942
41139_1140	41139	1140	1889.828	9.324	-0.31	0.239	-17.244	311.283
41140_1140	41140	1140	-1889.83	-9.324	0.31	-0.239	17.244	-311.283
41140_1141	41140	1141	1889.828	26.751	-0.31	0.239	-19.103	203.038
41141_1141	41141	1141	-1889.83	-26.751	-2.839	0.099	19.103	-203.038
41141_1142	41141	1142	1889.826	44.179	2.839	-0.099	-2.068	-9.804
41142_1142	41142	1142	-1889.83	-63.744	0.246	0.166	2.068	9.804
41142_1143	41142	1143	1889.827	86.981	-0.246	-0.166	-4.039	-612.823
41143_1143	41143	1143	-1889.83	-86.981	0.246	0.166	4.039	612.823
41143_1144	41143	1144	1889.827	110.217	-0.246	-0.166	-6.011	-1401.77
41144_1144	41144	1144	-1889.83	-110.217	-2.115	-1.585	6.011	1401.772
41144_1145	41144	1145	1889.826	133.455	2.115	1.585	10.912	-2376.68
41145_1145	41145	1145	-1889.81	-149.57	-1.718	-1.915	-10.912	2376.646
41145_1146	41145	1146	1889.812	172.052	1.718	1.915	24.215	-3621.59
41146_1146	41146	1146	-1889.81	-172.052	-1.668	-1.818	-24.215	3621.587
41146_1147	41146	1147	1889.812	194.563	1.668	1.818	37.146	-5042.52
41147_1147	41147	1147	-1889.81	-194.563	-0.449	2.186	-37.146	5027.249
41147_1148	41147	1148	1889.813	224.255	0.449	-2.186	41.415	-7017.03
41148_1148	41148	1148	-10.567	441.261	-1.782	-6.029	8.997	22203.24
41148_1149	41148	1149	15.783	-396.702	1.782	6.029	13.395	-16932.1
41149_1149	41149	1149	-26.685	396.075	-1.734	7.542	-14.767	16932.06
41149_1150	41149	1150	30.456	-353.808	1.734	-7.542	36.485	-12231.7
41150_1150	41150	1150	-41.265	338.931	0.883	0.713	-35.792	12231.79
41150_1151	41150	1151	43.888	-295.875	-0.883	-0.713	24.069	-8019.16
41151_1151	41151	1151	-52.837	294.382	0.927	6.309	-24.172	8005.964
41151_1152	41151	1152	53.955	-260.283	-0.927	-6.309	13.273	-4745.55
41152_1152	41152	1152	-59.288	240.918	0.388	2.084	-13.14	4745.481
41152_1153	41152	1153	59.558	-217.178	-0.388	-2.084	9.938	-2855.39
41153_1153	41153	1153	-61.804	216.438	0.402	2.79	-9.919	2857.175
41153_1154	41153	1154	61.804	-177.901	-0.402	-2.79	4.394	-147.504
41154_1154	41154	1154	-61.804	159.711	0.33	2.512	-4.394	147.502
41154_1155	41154	1155	61.804	-128.859	-0.33	-2.512	0.768	1439.98
41155_1155	41155	1155	-61.803	128.859	0.386	1.203	-0.768	-1439.98
41155_1156	41155	1156	61.803	-98.008	-0.386	-1.203	-3.476	2688.001
41156_1156	41156	1156	-61.8	80.204	0.123	2.541	3.476	-2688.02
41156_1157	41156	1157	61.8	-52.101	-0.123	-2.541	-4.709	3351.017
41157_1157	41157	1157	-61.799	52.101	0.183	-0.736	4.709	-3351.02
41157_1158	41157	1158	61.799	-24.027	-0.183	0.736	-6.544	3732.113
41158_1158	41158	1158	-61.797	6.879	-0.022	1.653	6.544	-3732.14
41158_1159	41158	1159	61.797	21.224	0.022	-1.653	-6.324	3660.253
41159_1159	41159	1159	-61.797	-21.224	0.038	-1.926	6.324	-3660.25
41159_1160	41159	1160	61.797	49.298	-0.038	1.926	-6.709	3307.218
41160_1160	41160	1160	-61.792	-66.652	-0.265	-1.221	6.709	-3307.27
41160_1161	41160	1161	61.792	97.504	0.265	1.221	-3.79	2404.215
41161_1161	41161	1161	-61.792	-101.144	-0.265	-1.221	3.79	-2404.22
41161_1162	41161	1162	61.792	131.995	0.265	1.221	-0.872	1121.672
41162_1162	41162	1162	-61.781	-148.088	-0.75	-2.108	0.872	-1121.68
41162_1163	41162	1163	61.781	186.624	0.75	2.108	9.43	-1178.27
41163_1163	41163	1163	-59.554	-187.364	-0.764	-2.403	-9.449	1177.005

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41163_1164	41163	1164	59.284	211.104	0.764	2.403	15.751	-2821.09
41164_1164	41164	1164	-54.051	-228.458	-0.627	-4.092	-15.828	2821.045
41164_1165	41164	1165	52.933	262.556	0.627	4.092	23.193	-5707.54
41165_1165	41165	1165	-45.453	-264.035	-0.624	-0.939	-23.163	5711.646
41165_1166	41165	1166	42.846	306.839	0.624	0.939	31.426	-9500.03
41166_1166	41166	1166	-32.797	-323.426	2.217	-7.304	-32.038	9499.967
41166_1167	41166	1167	29.047	365.457	-2.217	7.304	4.27	-13818.3
41167_1167	41167	1167	-18.942	-366.147	2.268	3.997	-3.149	13818.35
41167_1168	41167	1168	13.754	410.468	-2.268	-3.997	-25.332	-18704
41168_1168	41168	1168	-1682.78	220.737	-3.508	-0.999	71.207	6157.213
41168_1169	41168	1169	1682.779	-191.224	3.508	0.999	-37.87	-4199.96
41169_1169	41169	1169	-1682.78	191.224	-2.823	1.699	37.87	4219.763
41169_1170	41169	1170	1682.781	-168.63	2.823	-1.699	-15.987	-2825.03
41170_1170	41170	1170	-1682.78	168.63	-2.823	1.699	15.987	2825.03
41170_1171	41170	1171	1682.781	-146.036	2.823	-1.699	5.896	-1605.44
41171_1171	41171	1171	-1682.83	128.668	0.576	1.004	-5.896	1605.405
41171_1172	41171	1172	1682.828	-105.345	-0.576	-1.004	1.285	-669.165
41172_1172	41172	1172	-1682.83	105.345	-1.571	0.15	-1.285	669.166
41172_1173	41172	1173	1682.828	-82.051	1.571	-0.15	13.84	79.65
41173_1173	41173	1173	-1682.83	82.051	0.576	0.048	-13.84	-79.65
41173_1174	41173	1174	1682.828	-58.728	-0.576	-0.048	9.229	642.877
41174_1174	41174	1174	-1682.83	41.938	0.833	-0.168	-9.229	-642.881
41174_1175	41174	1175	1682.833	-24.446	-0.833	0.168	4.229	842.073
41175_1175	41175	1175	-1682.83	24.446	-1.97	1.235	-4.229	-842.072
41175_1176	41175	1176	1682.832	-6.953	1.97	-1.235	16.054	936.291
41176_1176	41176	1176	-1682.83	6.953	0.833	-0.325	-16.054	-936.292
41176_1177	41176	1177	1682.833	10.539	-0.833	0.325	11.055	925.531
41177_1177	41177	1177	-1682.83	-10.539	0.833	-0.325	-11.055	-925.531
41177_1178	41177	1178	1682.833	28.031	-0.833	0.325	6.055	809.796
41178_1178	41178	1178	-1682.84	-44.778	-0.891	0.056	-6.055	-809.81
41178_1179	41178	1179	1682.842	68.073	0.891	-0.056	13.175	358.869
41179_1179	41179	1179	-1682.84	-68.073	1.257	-0.402	-13.175	-358.869
41179_1180	41179	1180	1682.842	91.396	-1.257	0.402	3.12	-279.131
41180_1180	41180	1180	-1682.84	-91.396	1.257	-0.402	-3.12	279.131
41180_1181	41180	1181	1682.842	114.718	-1.257	0.402	-6.934	-1103.75
41181_1181	41181	1181	-1682.88	-131.876	2.213	-0.865	6.934	1103.756
41181_1182	41181	1182	1682.882	154.47	-2.213	0.865	-24.092	-2213.58
41182_1182	41182	1182	-1682.88	-158.11	2.213	-0.865	24.092	2213.583
41182_1183	41182	1183	1682.882	180.705	-2.213	0.865	-41.25	-3526.77
41183_1183	41183	1183	-1682.88	-180.705	1.528	-1.377	41.25	3509.193
41183_1184	41183	1184	1682.883	210.218	-1.528	1.377	-55.769	-5366.49
41184_1184	41184	1184	-16.028	417.122	-2.172	6.504	16.073	17792.73
41184_1185	41184	1185	21.216	-372.836	2.172	-6.504	11.185	-12827.6
41185_1185	41185	1185	-31.522	372.061	-2.222	-3.207	-10.081	12827.64
41185_1186	41185	1186	35.272	-329.996	2.222	3.207	37.935	-8423.56
41186_1186	41186	1186	-45.461	313.974	0.725	1.067	-38.257	8423.557
41186_1187	41186	1187	48.068	-271.17	-0.725	-1.067	28.643	-4540.66
41187_1187	41187	1187	-56.354	269.621	0.722	2.433	-28.617	4540.64
41187_1188	41187	1188	57.493	-234.904	-0.722	-2.433	20.131	-1575.02
41188_1188	41188	1188	-62.305	214.184	0.793	1.955	-20.083	1575.008
41188_1189	41188	1189	62.58	-190.039	-0.793	-1.955	13.55	90.782
41189_1189	41189	1189	-64.525	189.239	0.763	1.971	-13.541	-99.915
41189_1190	41189	1190	64.525	-148.549	-0.763	-1.971	3.048	2422.724

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41190_1190	41190	1190	-64.517	130.007	0.471	-0.345	-3.048	-2422.72
41190_1191	41190	1191	64.517	-97.455	-0.471	0.345	-2.137	3674.009
41191_1191	41191	1191	-64.518	97.455	0.413	2.993	2.137	-3674.01
41191_1192	41191	1192	64.518	-64.903	-0.413	-2.993	-6.677	4567.174
41192_1192	41192	1192	-64.509	45.859	-0.025	2.525	6.677	-4567.17
41192_1193	41192	1193	64.509	-15.941	0.025	-2.525	-6.419	4879.634
41193_1193	41193	1193	-64.509	15.941	0.038	-2.3	6.419	-4879.63
41193_1194	41193	1194	64.509	13.977	-0.038	2.3	-6.807	4889.562
41194_1194	41194	1194	-64.49	-32.36	-0.837	-1.184	6.807	-4889.65
41194_1195	41194	1195	64.49	62.278	0.837	1.184	1.655	4411.152
41195_1195	41195	1195	-64.49	-62.278	-0.837	-1.184	-1.655	-4411.15
41195_1196	41195	1196	64.49	92.196	0.837	1.184	10.116	3630.116
41196_1196	41196	1196	-64.512	-111.486	0.025	-3.304	-10.116	-3630.1
41196_1197	41196	1197	64.512	144.038	-0.025	3.304	9.84	2224.435
41197_1197	41197	1197	-64.512	-144.038	-0.035	-1.241	-9.84	-2224.44
41197_1198	41197	1198	64.512	176.56	0.035	1.241	10.223	462.367
41198_1198	41198	1198	-64.475	-198.374	-1.367	-3.151	-10.223	-462.41
41198_1199	41198	1199	64.475	239.063	1.367	3.151	29.016	-2545.59
41199_1199	41199	1199	-61.606	-239.877	-1.382	-3.864	-29.048	2565.44
41199_1200	41199	1200	61.317	264.892	1.382	3.864	40.453	-4648.14
41200_1200	41200	1200	-54.814	-285.389	1.479	-6.106	-40.566	4648.045
41200_1201	41200	1201	53.614	321.304	-1.479	6.106	23.173	-8214.72
41201_1201	41201	1201	-44.404	-322.786	1.481	-0.283	-23.059	8207.341
41201_1202	41201	1202	41.555	368.881	-1.481	0.283	3.385	-12794.4
41202_1202	41202	1202	-29.274	-389.428	0.207	-0.991	-3.389	12794.51
41202_1203	41202	1203	25.197	434.632	-0.207	0.991	0.839	-17965.1
41203_1203	41203	1203	-13.138	-435.211	0.207	-1.028	-0.863	17965.12
41203_1204	41203	1204	7.529	482.672	-0.207	1.028	-1.673	-23740.6
41204_1204	41204	1204	-2070.72	234.176	3.335	3.364	-30.223	7571.577
41204_1205	41204	1205	2070.722	-202.278	-3.335	-3.364	-1.464	-5498.01
41205_1205	41205	1205	-2070.72	202.278	1.944	-0.171	1.464	5251.632
41205_1206	41205	1206	2070.724	-177.769	-1.944	0.171	-16.515	-3780.54
41206_1206	41206	1206	-2070.72	177.769	1.999	-0.07	16.515	3780.538
41206_1207	41206	1207	2070.724	-153.228	-1.999	0.07	-32.014	-2497.65
41207_1207	41207	1207	-2070.52	133.266	-6.795	-0.259	32.014	2497.687
41207_1208	41207	1208	2070.518	-107.933	6.795	0.259	22.355	-1532.67
41208_1208	41208	1208	-2070.53	107.933	-4.208	1.656	-22.355	1532.673
41208_1209	41208	1209	2070.525	-82.601	4.208	-1.656	56.023	-770.382
41209_1209	41209	1209	-2070.53	82.601	-4.208	1.656	-56.023	770.382
41209_1210	41209	1210	2070.525	-57.27	4.208	-1.656	89.69	-210.786
41210_1210	41210	1210	-2070.66	39.47	-2.55	0.729	-89.69	210.772
41210_1211	41210	1211	2070.657	-20.471	2.55	-0.729	104.993	-30.908
41211_1211	41211	1211	-2070.66	20.471	0.9	0.78	-104.993	30.906
41211_1212	41211	1212	2070.659	-1.472	-0.9	-0.78	99.594	34.934
41212_1212	41212	1212	-2070.66	1.472	0.831	0.781	-99.594	-34.934
41212_1213	41212	1213	2070.659	17.495	-0.831	-0.781	94.618	-13.066
41213_1213	41213	1213	-2070.66	-17.495	-2.55	0.76	-94.618	13.067
41213_1214	41213	1214	2070.657	36.495	2.55	-0.76	109.921	-175.077
41214_1214	41214	1214	-2070.8	-54.542	6.303	0.486	-109.921	175.061
41214_1215	41214	1215	2070.795	79.874	-6.303	-0.486	59.485	-712.834
41215_1215	41215	1215	-2070.8	-79.874	3.716	-0.404	-59.485	712.834
41215_1216	41215	1216	2070.801	105.207	-3.716	0.404	29.752	-1453.33
41216_1216	41216	1216	-2070.8	-105.207	6.303	1.412	-29.752	1453.324

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41216_1217	41216	1217	2070.795	130.538	-6.303	-1.412	-20.684	-2396.49
41217_1217	41217	1217	-2070.71	-149.487	1.506	-1.428	20.684	2396.459
41217_1218	41217	1218	2070.706	174.028	-1.506	1.428	-32.358	-3650.35
41218_1218	41218	1218	-2070.71	-174.028	1.451	-1.525	32.358	3650.346
41218_1219	41218	1219	2070.706	198.537	-1.451	1.525	-43.589	-5092.48
41219_1219	41219	1219	-2070.71	-198.537	2.841	2.768	43.589	5340.341
41219_1220	41219	1220	2070.705	230.435	-2.841	-2.768	-70.588	-7378.36
41220_1220	41220	1220	11.368	493.222	0.896	-41.706	29.164	23686.59
41220_1221	41220	1221	-5.76	-445.764	-0.896	41.706	-40.49	-17779.4
41221_1221	41221	1221	-6.529	445.685	1.117	42.141	31.459	17779.44
41221_1222	41221	1222	10.607	-400.488	-1.117	-42.141	-45.518	-12471.3
41222_1222	41222	1222	-22.606	387.058	-1.116	-2.936	49.416	12469.85
41222_1223	41222	1223	25.455	-340.935	1.116	2.936	-34.57	-7639.24
41223_1223	41223	1223	-35.849	339.985	-0.938	31.011	33.622	7648.627
41223_1224	41223	1224	37.069	-303.468	0.938	-31.011	-22.596	-3866.9
41224_1224	41224	1224	-43.393	282.17	0.594	-0.932	23.265	3866.395
41224_1225	41224	1225	43.688	-256.732	-0.594	0.932	-28.167	-1643.35
41225_1225	41225	1225	-46.366	256.104	0.763	4.748	28.199	1632.357
41225_1226	41225	1226	46.366	-203.913	-0.763	-4.748	-40.722	2142.086
41226_1226	41226	1226	-46.337	180.582	-0.356	12.748	40.722	-2141.77
41226_1227	41226	1227	46.337	-141.334	0.356	-12.748	-36.334	4128.018
41227_1227	41227	1227	-46.338	141.334	-0.13	-7.355	36.334	-4128.03
41227_1228	41227	1228	46.338	-102.117	0.13	7.355	-34.732	5628.982
41228_1228	41228	1228	-46.303	77.391	-1.079	11.471	34.732	-5627.74
41228_1229	41228	1229	46.303	-35.981	1.079	-11.471	-21.417	6327.296
41229_1229	41229	1229	-46.306	35.981	-0.928	-9.118	21.417	-6327.3
41229_1230	41229	1230	46.306	5.397	0.928	9.118	-9.971	6515.871
41230_1230	41230	1230	-46.407	-30.244	1.51	8.6	9.971	-6513.59
41230_1231	41230	1231	46.407	71.626	-1.51	-8.6	-28.599	5885.424
41231_1231	41231	1231	-46.402	-71.626	1.662	-10.599	28.599	-5885.42
41231_1232	41231	1232	46.402	112.977	-1.662	10.599	-49.079	4747.93
41232_1232	41232	1232	-46.461	-139.359	3.345	4.434	49.079	-4746.66
41232_1233	41232	1233	46.461	172.523	-3.345	-4.434	-82.144	3205.383
41233_1233	41233	1233	-46.45	-172.523	3.493	-5.772	82.144	-3205.38
41233_1234	41233	1234	46.45	211.028	-3.493	5.772	-122.23	1004.689
41234_1234	41234	1234	-45.202	-211.334	3.703	-10.867	122.172	-1005.36
41234_1235	41234	1235	45.143	222.053	-3.703	10.867	-133.806	324.515
41235_1235	41235	1235	-38.889	-241.422	-2.838	-5.077	133.792	-344.512
41235_1236	41235	1236	38.179	266.149	2.838	5.077	-113.515	-1469.39
41236_1236	41236	1236	-39.003	-266.014	-2.743	-1.733	113.597	1469.394
41236_1237	41236	1237	38.131	299.872	2.743	1.733	-86.942	-4219.49
41237_1237	41237	1237	-30.414	-300.816	-2.616	5.966	87.397	4211.038
41237_1238	41237	1238	29.429	320.055	2.616	-5.966	-74.901	-5694.99
41238_1238	41238	1238	-23.083	-338.804	2.061	-15.022	73.661	5692.885
41238_1239	41238	1239	20.1	382.745	-2.061	15.022	-95.842	-9568.54
41239_1239	41239	1239	-10.951	-383.175	2.195	9.998	97.996	9568.517
41239_1240	41239	1240	6.722	429.277	-2.195	-9.998	-122.13	-14022.8
41240_1240	41240	1240	8.835	-452.272	-22.849	-29.734	118.223	14015.84
41240_1241	41240	1241	-14.908	504.219	22.849	29.734	154.203	-19712.5
41241_1241	41241	1241	-1986.23	283.61	-5.002	22.971	252.612	6283.95
41241_1242	41241	1242	1986.227	-246.114	5.002	-22.971	-205.074	-3766.92
41242_1242	41242	1242	-1986.23	246.114	-2.803	26.948	205.074	3766.278
41242_1243	41242	1243	1986.231	-233.789	2.803	-26.948	-196.203	-3006.94

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41243_1243	41243	1243	-1983.81	214.755	-32.127	-2.934	196.203	3004.296
41243_1244	41243	1244	1983.807	-178.868	32.127	2.934	99.822	-1190.85
41244_1244	41244	1244	-1983.9	178.868	-25.65	0.954	-99.822	1190.854
41244_1245	41244	1245	1983.901	-138.332	25.65	-0.954	366.786	459.84
41245_1245	41245	1245	-1984.3	123.212	-14.83	3.09	-366.786	-459.605
41245_1246	41245	1246	1984.304	-85.245	14.83	-3.09	511.352	1475.677
41246_1246	41246	1246	-1984.34	85.245	-8.419	-1.678	-511.352	-1475.68
41246_1247	41246	1247	1984.342	-46.762	8.419	1.678	594.533	2127.842
41247_1247	41247	1247	-1984.46	28.446	0.173	3.701	-594.533	-2127.05
41247_1248	41247	1248	1984.458	6.923	-0.173	-3.701	592.96	2224.776
41248_1248	41248	1248	-1984.45	-6.923	4.077	-0.675	-592.96	-2224.78
41248_1249	41248	1249	1984.454	47.957	-4.077	0.675	550.009	1935.671
41249_1249	41249	1249	-1983.32	-67.768	-9.777	3.534	-550.009	-1935.08
41249_1250	41249	1250	1983.315	108.032	9.777	-3.534	651.087	1026.374
41250_1250	41250	1250	-1983.34	-108.032	-1.812	-0.587	-651.087	-1026.38
41250_1251	41250	1251	1983.339	144.206	1.812	0.587	667.921	-145.004
41251_1251	41251	1251	-1986.16	-171.012	62.415	-3.351	-667.921	144.857
41251_1252	41251	1252	1986.161	210.475	-62.415	3.351	35.511	-2077.55
41252_1252	41252	1252	-1985.96	-214.115	68.453	2.966	-35.511	2077.548
41252_1253	41252	1253	1985.963	257.769	-68.453	-2.966	-731.755	-4722.14
41253_1253	41253	1253	-1986.01	-257.769	67.035	-0.413	731.755	4722.335
41253_1254	41253	1254	1986.011	270.24	-67.035	0.413	-943.632	-5556.78
41254_1254	41254	1254	-1981.27	-295.824	-31.48	-53.708	943.632	5553.487
41254_1255	41254	1255	1981.265	320.815	31.48	53.708	-744.238	-7506.36
41255_1255	41255	1255	9.166	464.98	-45.817	9.214	670.792	21094.41
41255_1256	41255	1256	-4.855	-429.354	45.817	-9.214	-298.581	-17463.7
41256_1256	41256	1256	-2.354	429.358	-45.725	38.77	294.981	17463.68
41256_1257	41256	1257	5.589	-398.291	45.725	-38.77	37.499	-14455.9
41257_1257	41257	1257	-16.417	379.057	0.821	-16.942	-31.852	14452.57
41257_1258	41257	1258	20.086	-335.795	-0.821	16.942	23.162	-10742.4
41258_1258	41258	1258	-28.458	335.102	0.963	14.855	-25.604	10742.43
41258_1259	41258	1259	31.519	-283.79	-0.963	-14.855	13.324	-6831.77
41259_1259	41259	1259	-39.454	270.88	4.067	-6.166	-12.491	6940.538
41259_1260	41259	1260	40.722	-233.405	-4.067	6.166	-30.417	-4280.55
41260_1260	41260	1260	-45.781	232.023	4.176	2.761	30.321	4280.552
41260_1261	41260	1261	46.19	-198.665	-4.176	-2.761	-69.79	-2245.25
41261_1261	41261	1261	-48.66	197.816	4.2	3.857	69.79	2268.762
41261_1262	41261	1262	48.66	-186.797	-4.2	-3.857	-83.094	-1659.68
41262_1262	41262	1262	-48.497	157.32	-3.17	1.954	83.094	1659.496
41262_1263	41262	1263	48.497	-118.651	3.17	-1.954	-47.863	-125.792
41263_1263	41263	1263	-48.508	118.651	-3	2.394	47.863	125.785
41263_1264	41263	1264	48.508	-77.132	3	-2.394	-12.062	1042.485
41264_1264	41264	1264	-48.555	53.151	0.091	2.388	12.062	-1042.44
41264_1265	41264	1265	48.555	-12.876	-0.091	-2.388	-13.12	1424.631
41265_1265	41265	1265	-48.554	12.876	0.266	-2.736	13.12	-1424.63
41265_1266	41265	1266	48.554	27.065	-0.266	2.736	-16.175	1343.179
41266_1266	41266	1266	-48.548	-51.773	-0.646	-1.528	16.175	-1343.13
41266_1267	41266	1267	48.548	92.4	0.646	1.528	-8.634	501.307
41267_1267	41267	1267	-48.549	-92.4	-0.526	-2.764	8.634	-501.302
41267_1268	41267	1268	48.549	131.953	0.526	2.764	-2.653	-774.035
41268_1268	41268	1268	-48.555	-156.21	-1.955	-8.653	2.653	774.064
41268_1269	41268	1269	48.555	201.61	1.955	8.653	22.86	-3108.82
41269_1269	41269	1269	-48.561	-201.61	-1.797	1.485	-22.86	3108.834

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41269_1270	41269	1270	48.561	241.449	1.797	-1.485	43.434	-5645.64
41270_1270	41270	1270	-48.561	-261.547	2.749	-22.875	-43.434	5645.667
41270_1271	41270	1271	48.561	293.434	-2.749	22.875	18.234	-8189.04
41271_1271	41271	1271	-48.554	-297.074	2.874	-1.936	-18.234	8189.073
41271_1272	41271	1272	48.554	335.893	-2.874	1.936	-13.829	-11720.5
41272_1272	41272	1272	-46.396	-336.337	2.997	28.988	13.961	11686.88
41272_1273	41272	1273	46.294	351.842	-2.997	-28.988	-26.463	-13122.4
41273_1273	41273	1273	-41.109	-377.047	19.468	-29.428	25.889	13123.42
41273_1274	41273	1274	40.526	406.696	-19.468	29.428	-180.731	-16240.1
41274_1274	41274	1274	-33.705	-407.642	19.538	-8.889	181.001	16240.16
41274_1275	41274	1275	32.618	437.223	-19.538	8.889	-334.931	-19568
41275_1275	41275	1275	-26.914	-437.681	19.717	57.335	337.789	19540.74
41275_1276	41275	1276	26.041	455.219	-19.717	-57.335	-420.234	-21407.5
41276_1276	41276	1276	-17.33	-468.825	-78.096	-67.295	413.872	21302.14
41276_1277	41276	1277	13.972	518.928	78.096	67.295	505.314	-27113.5
41277_1277	41277	1277	-0.427	-519.163	-77.906	50.488	-497.14	27113.71
41277_1278	41277	1278	-4.861	575.541	77.906	-50.488	1495.067	-34121.9
41278_1278	41278	1278	17.604	-564.804	131.259	-81.035	-1513.37	34122.42
41278_1279	41278	1279	-22.824	608.886	-131.259	81.035	247.228	-39781.7
41279_1279	41279	1279	-2777.25	383.133	46.058	45.419	-868.855	14935.57
41279_1280	41279	1280	2777.25	-344.178	-46.058	-45.419	431.2	-11480
41280_1280	41280	1280	-2777.22	344.178	47.6	56.133	-431.2	11704.44
41280_1281	41280	1281	2777.224	-323.27	-47.6	-56.133	173.197	-9895.56
41281_1281	41281	1281	-2777.22	306.179	-22.826	-10.432	-173.197	9929.544
41281_1282	41281	1282	2777.219	-262.079	22.826	10.432	455.314	-6417.85
41282_1282	41282	1282	-2777.28	262.079	-14.521	8.76	-455.314	6417.847
41282_1283	41282	1283	2777.275	-218.754	14.521	-8.76	631.632	-3498.57
41283_1283	41283	1283	-2777.27	170.089	13.623	-0.648	-631.632	3498.566
41283_1284	41283	1284	2777.267	-125.824	-13.623	0.648	462.621	-1663.03
41284_1284	41284	1284	-2777.21	125.824	22.638	4.75	-462.621	1663.019
41284_1285	41284	1285	2777.208	-87.441	-22.638	-4.75	219.092	-515.942
41285_1285	41285	1285	-2777.1	49.935	30.07	1.16	-219.092	515.809
41285_1286	41285	1286	2777.1	-10.007	-30.07	-1.16	-117.393	-180.43
41286_1286	41286	1286	-2777	10.007	38.393	1.7	117.393	180.425
41286_1287	41286	1287	2776.997	27.112	-38.393	-1.7	-516.798	-269.396
41287_1287	41287	1287	-2777.27	-64.282	-21.449	-1.819	516.798	269.416
41287_1288	41287	1288	2777.271	111.014	21.449	1.819	-235.875	-1417.37
41288_1288	41288	1288	-2777.33	-114.654	-11.891	3.058	235.875	1417.372
41288_1289	41288	1289	2777.328	154.695	11.891	-3.058	-102.43	-2928.7
41289_1289	41289	1289	-2777.36	-189.796	-4.371	-4.022	102.43	2928.763
41289_1290	41289	1290	2777.364	204.085	4.371	4.022	-84.925	-3717.46
41290_1290	41290	1290	-2777.37	-204.085	-0.37	1.217	84.925	3488.753
41290_1291	41290	1291	2777.367	240.282	0.37	-1.217	-81.406	-5599.47
41291_1291	41291	1291	79.739	812.464	22.067	-2.136	-260.996	26776.62
41291_1292	41291	1292	-76.13	-780.573	-22.067	2.136	96.783	-20850.6
41292_1292	41292	1292	53.423	751.313	4.689	-26.303	-94.574	20851.03
41292_1293	41292	1293	-48.83	-698.73	-4.689	26.303	35.146	-11660.1
41293_1293	41293	1293	27.585	699.84	4.742	27.665	-39.068	11660.12
41293_1294	41293	1294	-25.036	-654.837	-4.742	-27.665	-13.996	-4081.07
41294_1294	41294	1294	8.973	621.534	-1.246	6.527	15.442	4059.939
41294_1295	41294	1295	-8.036	-593.74	1.246	-6.527	-6.651	225.389
41295_1295	41295	1295	-3.392	593.783	-1.199	4.471	6.709	-224.247
41295_1296	41295	1296	3.751	-568.726	1.199	-4.471	1.872	4384.574

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41296_1296	41296	1296	-11.503	568.62	-1.186	-0.229	-1.817	-4384.58
41296_1297	41296	1297	11.523	-537.889	1.186	0.229	12.25	9250.244
41297_1297	41297	1297	-11.877	498.526	1.21	39.14	-12.25	-9250.27
41297_1298	41297	1298	11.877	-484.368	-1.21	-39.14	7.347	11241.77
41298_1298	41298	1298	-11.875	484.368	1.229	21.308	-7.347	-11241.8
41298_1299	41298	1299	11.875	-450.96	-1.229	-21.308	-3.057	15200.94
41299_1299	41299	1299	-11.871	450.96	1.267	-27.381	3.057	-15200.9
41299_1300	41299	1300	11.871	-403.663	-1.267	27.381	-18.242	20322.43
41300_1300	41300	1300	-11.866	356.27	1.437	51.325	18.242	-20322.5
41300_1301	41300	1301	11.866	-304.324	-1.437	-51.325	-37.154	24670.3
41301_1301	41301	1301	-11.86	304.324	1.484	-47.542	37.154	-24670.3
41301_1302	41301	1302	11.86	-259.619	-1.484	47.542	-53.967	27864.6
41302_1302	41302	1302	-11.858	207.859	0.077	69.765	53.967	-27864.7
41302_1303	41302	1303	11.858	-154.734	-0.077	-69.765	-55.009	30305.35
41303_1303	41303	1303	-11.858	154.734	0.133	-72.387	55.009	-30305.3
41303_1304	41303	1304	11.858	-111.164	-0.133	72.387	-56.478	31773.21
41304_1304	41304	1304	-11.854	57.244	1.394	64.866	56.478	-31773.4
41304_1305	41304	1305	11.854	-5.684	-1.394	-64.866	-74.688	32184.47
41305_1305	41305	1305	-11.849	5.684	1.441	-63.138	74.688	-32184.5
41305_1306	41305	1306	11.849	39.425	-1.441	63.138	-91.157	31991.63
41306_1306	41306	1306	-11.845	-95.911	0.734	59.244	91.157	-31991.6
41306_1307	41306	1307	11.845	142.723	-0.734	-59.244	-99.869	30576.22
41307_1307	41307	1307	-11.842	-142.723	0.776	-47.542	99.869	-30576.2
41307_1308	41307	1308	11.842	192.588	-0.776	47.542	-109.672	28457.71
41308_1308	41308	1308	-11.835	-242.81	2.729	51.455	109.672	-28457.8
41308_1309	41308	1309	11.835	290.809	-2.729	-51.455	-142.864	25212.46
41309_1309	41309	1309	-11.825	-290.809	2.774	-45.191	142.864	-25212.5
41309_1310	41309	1310	11.825	339.509	-2.774	45.191	-177.099	21323.12
41310_1310	41310	1310	-11.824	-384.235	-1.713	30.298	177.099	-21323.1
41310_1311	41310	1311	11.824	434.785	1.713	-30.298	-155.162	16077.44
41311_1311	41311	1311	-11.83	-434.785	-1.667	-31.252	155.162	-16077.4
41311_1312	41311	1312	11.83	485.224	1.667	31.252	-133.852	10197.93
41312_1312	41312	1312	-11.857	-528.391	-7.456	2.49	133.852	-10197.9
41312_1313	41312	1313	11.857	599.235	7.456	-2.49	0	76.052
42000_2000	42000	2000	-0.683	16.526	-4.876	5.765	0	-0.799
42000_2001	42000	2001	0.683	9.27	4.876	-5.765	77.827	58.704
42001_2001	42001	2001	-0.679	-9.27	-4.877	5.813	-77.827	-58.7
42001_2002	42001	2002	0.679	26.442	4.877	-5.813	129.64	-131.018
42002_2002	42002	2002	-0.46	22.752	6.822	4.182	-129.64	130.98
42002_2003	42002	2003	0.46	-3.075	-6.822	-4.182	46.578	26.248
42003_2003	42003	2003	-0.459	3.075	6.822	4.18	-46.578	-26.248
42003_2004	42003	2004	0.459	16.619	-6.822	-4.18	-36.552	-56.273
42004_2004	42004	2004	-0.575	19.706	-0.258	3.521	36.552	55.998
42004_2005	42004	2005	0.575	-0.028	0.258	-3.521	-33.412	64.141
42005_2005	42005	2005	-0.575	0.028	-0.258	3.567	33.412	-64.138
42005_2006	42005	2006	0.575	19.667	0.258	-3.567	-30.264	-55.526
42006_2006	42006	2006	-0.569	20.046	0.181	1.594	30.264	55.513
42006_2007	42006	2007	0.569	-0.367	-0.181	-1.594	-32.47	68.767
42007_2007	42007	2007	-0.569	0.367	0.181	1.594	32.47	-68.767
42007_2008	42007	2008	0.569	19.313	-0.181	-1.594	-34.677	-46.583
42008_2008	42008	2008	-0.571	19.488	-0.027	-0.269	34.677	46.912
42008_2009	42008	2009	0.571	0.193	0.027	0.269	-34.343	70.577
42009_2009	42009	2009	-0.571	-0.193	-0.027	-0.334	34.343	-70.577

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42009_2010	42009	2010	0.571	19.889	0.027	0.334	-34.015	-51.786
42010_2010	42010	2010	-0.573	19.283	-0.248	-2.059	34.015	51.797
42010_2011	42010	2011	0.573	0.399	0.248	2.059	-30.996	63.184
42011_2011	42011	2011	-0.573	-0.399	-0.248	-2.059	30.996	-63.184
42011_2012	42011	2012	0.573	20.08	0.248	2.059	-27.977	-61.512
42012_2012	42012	2012	-0.572	18.664	-0.112	-3.503	27.977	61.264
42012_2013	42012	2013	0.572	1.014	0.112	3.503	-26.609	46.183
42013_2013	42013	2013	-0.572	-1.014	-0.112	-3.545	26.609	-46.18
42013_2014	42013	2014	0.572	20.706	0.112	3.545	-25.246	-86.138
42014_2014	42014	2014	-0.58	18.295	-2.212	-3.706	25.246	86.079
42014_2015	42014	2015	0.58	8.511	2.212	3.706	11.445	-4.939
42015_2015	42015	2015	-0.582	-8.511	-2.212	-3.716	-11.445	4.944
42015_2016	42015	2016	0.582	21.84	2.212	3.716	29.687	-130.1
42016_2016	42016	2016	-0.6	19.638	-0.05	-2.8	-29.687	130.776
42016_2017	42016	2017	0.6	-0.913	0.05	2.8	30.277	-9.988
42017_2017	42017	2017	-0.6	0.913	-0.05	-2.794	-30.277	9.989
42017_2018	42017	2018	0.6	20.183	0.05	2.794	30.936	-137.602
42018_2018	42018	2018	-0.62	19.456	3.897	-1.749	-30.936	137.738
42018_2019	42018	2019	0.62	0.456	-3.897	1.749	-17.779	-18.979
42019_2019	42019	2019	-0.617	-0.456	3.897	-1.734	17.779	18.98
42019_2020	42019	2020	0.617	20.367	-3.897	1.734	-66.496	-149.119
42020_2020	42020	2020	-0.643	21.139	-3.76	-0.954	66.496	149.161
42020_2021	42020	2021	0.643	-5.999	3.76	0.954	-30.759	-20.185
42021_2021	42021	2021	-0.638	5.999	-3.761	-0.987	30.759	20.185
42021_2022	42021	2022	0.638	6.338	3.761	0.987	-1.631	-21.498
42022_2022	42022	2022	-0.639	-6.338	-3.76	-0.984	1.631	21.498
42022_2023	42022	2023	0.639	18.692	3.76	0.984	27.533	-118.562
42023_2023	42023	2023	-0.635	19.394	0.379	-0.33	-27.533	118.512
42023_2024	42023	2024	0.635	-6.656	-0.379	0.33	24.501	-14.359
42024_2024	42024	2024	-0.635	6.656	0.379	-0.33	-24.501	14.359
42024_2025	42024	2025	0.635	6.081	-0.379	0.33	21.47	-12.057
42025_2025	42025	2025	-0.635	-6.081	0.378	-0.344	-21.47	12.056
42025_2026	42025	2026	0.635	18.835	-0.378	0.344	18.439	-111.813
42026_2026	42026	2026	-0.638	18.912	0.083	-0.377	-18.439	111.633
42026_2027	42026	2027	0.638	-9.351	-0.083	0.377	17.941	-26.814
42027_2027	42027	2027	-0.638	9.351	0.084	-0.337	-17.941	26.814
42027_2028	42027	2028	0.638	0.192	-0.084	0.337	17.437	0.624
42028_2028	42028	2028	-0.638	-0.192	0.083	-0.336	-17.437	-0.624
42028_2029	42028	2029	0.638	9.752	-0.083	0.336	16.938	-29.219
42029_2029	42029	2029	-0.638	-9.752	0.083	-0.336	-16.938	29.219
42029_2030	42029	2030	0.638	19.313	-0.083	0.336	16.439	-116.445
42030_2030	42030	2030	-0.643	18.398	-0.483	-0.352	-16.439	116.388
42030_2031	42030	2031	0.643	-5.652	0.483	0.352	20.306	-20.16
42031_2031	42031	2031	-0.642	5.652	-0.484	-0.38	-20.306	20.159
42031_2032	42031	2032	0.642	7.08	0.484	0.38	24.176	-25.866
42032_2032	42032	2032	-0.643	-7.08	-0.483	-0.344	-24.176	25.866
42032_2033	42032	2033	0.643	19.826	0.483	0.344	28.043	-133.52
42033_2033	42033	2033	-0.61	18.552	2.329	0.025	-28.043	133.542
42033_2034	42033	2034	0.61	-6.199	-2.329	-0.025	9.978	-37.565
42034_2034	42034	2034	-0.608	6.199	2.33	0.068	-9.978	37.565
42034_2035	42034	2035	0.608	6.137	-2.33	-0.068	-8.067	-37.325
42035_2035	42035	2035	-0.606	-6.137	2.33	0.09	8.067	37.325
42035_2036	42035	2036	0.606	21.272	-2.33	-0.09	-30.211	-167.544

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42036_2036	42036	2036	-0.718	21.099	-2.717	0.873	30.211	167.56
42036_2037	42036	2037	0.718	-1.179	2.717	-0.873	3.772	-28.262
42037_2037	42037	2037	-0.717	1.179	-2.717	0.871	-3.772	28.262
42037_2038	42037	2038	0.717	18.726	2.717	-0.871	37.728	-137.893
42038_2038	42038	2038	-0.66	14.362	0.932	1.88	-37.728	137.899
42038_2039	42038	2039	0.66	6.729	-0.932	-1.88	25.392	-87.359
42039_2039	42039	2039	-0.66	-6.729	0.932	2.074	-25.392	86.831
42039_2040	42039	2040	0.66	25.1	-0.932	-2.074	14.44	-273.908
42040_2040	42040	2040	-0.688	19.224	-0.468	2.888	-14.44	274.034
42040_2041	42040	2041	0.688	-6.328	0.468	-2.888	18.303	-168.613
42041_2041	42041	2041	-0.688	6.328	-0.468	2.891	-18.303	168.613
42041_2042	42041	2042	0.688	18.93	0.468	-2.891	25.869	-270.451
42042_2042	42042	2042	-0.661	21.113	1.859	2.345	-25.869	270.476
42042_2043	42042	2043	0.661	-2.404	-1.859	-2.345	3.619	-129.714
42043_2043	42043	2043	-0.66	2.404	1.859	2.444	-3.619	129.712
42043_2044	42043	2044	0.66	16.288	-1.859	-2.444	-18.617	-212.741
42044_2044	42044	2044	-0.679	19.886	0.094	1.279	18.617	212.882
42044_2045	42044	2045	0.679	-1.177	-0.094	-1.279	-19.743	-86.808
42045_2045	42045	2045	-0.679	1.177	0.094	1.279	19.743	86.808
42045_2046	42045	2046	0.679	17.532	-0.094	-1.279	-20.87	-184.701
42046_2046	42046	2046	-0.681	19.552	-0.134	-0.261	20.87	184.516
42046_2047	42046	2047	0.681	-0.851	0.134	0.261	-19.268	-62.442
42047_2047	42047	2047	-0.681	0.851	-0.134	-0.261	19.268	62.442
42047_2048	42047	2048	0.681	17.851	0.134	0.261	-17.667	-164.154
42048_2048	42048	2048	-0.683	18.971	-0.281	-1.612	17.667	164.058
42048_2049	42048	2049	0.683	-0.271	0.281	1.612	-14.308	-48.936
42049_2049	42049	2049	-0.683	0.271	-0.281	-1.653	14.308	48.935
42049_2050	42049	2050	0.683	18.431	0.281	1.653	-10.942	-157.586
42050_2050	42050	2050	-0.701	18.459	-1.863	-2.163	10.942	157.435
42050_2051	42050	2051	0.701	6.771	1.863	2.163	19.136	-63.095
42051_2051	42051	2051	-0.702	-6.771	-1.863	-2.15	-19.136	63.098
42051_2052	42051	2052	0.702	19.652	1.863	2.15	34.49	-171.984
42052_2052	42052	2052	-0.702	20.689	-0.453	-1.508	-34.49	172.071
42052_2053	42052	2053	0.702	-2.324	0.453	1.508	39.812	-36.862
42053_2053	42053	2053	-0.702	2.324	-0.453	-1.483	-39.812	36.869
42053_2054	42053	2054	0.702	17.753	0.453	1.483	45.815	-139.122
42054_2054	42054	2054	-0.694	18.254	2.894	-0.633	-45.815	138.974
42054_2055	42054	2055	0.694	0.677	-2.894	0.633	9.643	-29.125
42055_2055	42055	2055	-0.691	-0.677	2.895	-0.609	-9.643	29.126
42055_2056	42055	2056	0.691	19.608	-2.895	0.609	-26.534	-155.891
42056_2056	42056	2056	-0.73	20.187	-2.872	0.012	26.534	155.918
42056_2057	42056	2057	0.73	-5.794	2.872	-0.012	0.757	-32.479
42057_2057	42057	2057	-0.734	5.794	-2.871	0.049	-0.757	32.48
42057_2058	42057	2058	0.734	5.941	2.871	-0.049	23.001	-33.047
42058_2058	42058	2058	-0.73	-5.941	-2.872	0.007	-23.001	33.047
42058_2059	42058	2059	0.73	17.677	2.872	-0.007	45.254	-124.542
42059_2059	42059	2059	-0.707	18.898	1.539	0.35	-45.254	124.533
42059_2060	42059	2060	0.707	-6.772	-1.539	-0.35	32.936	-21.778
42060_2060	42060	2060	-0.707	6.772	1.539	0.349	-32.936	21.778
42060_2061	42060	2061	0.707	5.338	-1.539	-0.349	20.633	-16.045
42061_2061	42061	2061	-0.707	-5.338	1.539	0.35	-20.633	16.045
42061_2062	42061	2062	0.707	17.464	-1.539	-0.35	8.315	-107.32
42062_2062	42062	2062	-0.717	18.373	0.619	0.304	-8.315	107.229

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42062_2063	42062	2063	0.717	-9.297	-0.619	-0.304	4.608	-24.33
42063_2063	42063	2063	-0.716	9.297	0.62	0.347	-4.608	24.329
42063_2064	42063	2064	0.716	-0.207	-0.62	-0.347	0.888	4.189
42064_2064	42064	2064	-0.717	0.207	0.619	0.354	-0.888	-4.188
42064_2065	42064	2065	0.717	8.884	-0.619	-0.354	-2.826	-21.853
42065_2065	42065	2065	-0.717	-8.884	0.619	0.354	2.826	21.853
42065_2066	42065	2066	0.717	17.975	-0.619	-0.354	-6.539	-102.459
42066_2066	42066	2066	-0.723	18.09	0.056	0.28	6.539	102.296
42066_2067	42066	2067	0.723	-5.967	-0.056	-0.28	-6.99	-6.029
42067_2067	42067	2067	-0.723	5.967	0.056	0.28	6.99	6.029
42067_2068	42067	2068	0.723	6.14	-0.056	-0.28	-7.44	-6.719
42068_2068	42068	2068	-0.723	-6.14	0.056	0.28	7.44	6.719
42068_2069	42068	2069	0.723	18.262	-0.056	-0.28	-7.891	-104.366
42069_2069	42069	2069	-0.688	17.458	2.557	0.783	7.891	104.286
42069_2070	42069	2070	0.688	-5.715	-2.557	-0.783	-27.717	-14.453
42070_2070	42070	2070	-0.688	5.715	2.557	0.782	27.717	14.453
42070_2071	42070	2071	0.688	6.013	-2.557	-0.782	-47.518	-15.607
42071_2071	42071	2071	-0.687	-6.013	2.557	0.792	47.518	15.608
42071_2072	42071	2072	0.687	20.411	-2.557	-0.792	-71.828	-141.203
42072_2072	42072	2072	-0.754	20.452	-3.296	1.527	71.828	141.143
42072_2073	42072	2073	0.754	-1.522	3.296	-1.527	-30.639	-3.833
42073_2073	42073	2073	-0.754	1.522	-3.296	1.527	30.639	3.833
42073_2074	42073	2074	0.754	17.407	3.296	-1.527	10.55	-103.094
42074_2074	42074	2074	-0.673	15.077	0.911	2.321	-10.55	103.143
42074_2075	42074	2075	0.673	4.99	-0.911	-2.321	-1.522	-36.32
42075_2075	42075	2075	-0.673	-4.99	0.911	2.646	1.522	36.292
42075_2076	42075	2076	0.673	22.406	-0.911	-2.646	-12.236	-197.331
42076_2076	42076	2076	-0.699	18.091	-0.314	3.066	12.236	197.316
42076_2077	42076	2077	0.699	-5.87	0.314	-3.066	-9.646	-98.485
42077_2077	42077	2077	-0.699	5.87	-0.315	2.957	9.646	98.49
42077_2078	42077	2078	0.699	15.874	0.315	-2.957	-5.027	-171.9
42078_2078	42078	2078	-0.686	18.038	1.205	2.425	5.027	172.122
42078_2079	42078	2079	0.686	-1.367	-1.205	-2.425	-18.583	-62.942
42079_2079	42079	2079	-0.686	1.367	1.205	2.422	18.583	62.943
42079_2080	42079	2080	0.686	15.289	-1.205	-2.422	-32.126	-141.207
42080_2080	42080	2080	-0.696	16.897	-0.097	1.498	32.126	141.214
42080_2081	42080	2081	0.696	-0.231	0.097	-1.498	-31.031	-44.867
42081_2081	42081	2081	-0.696	0.231	-0.098	1.458	31.031	44.868
42081_2082	42081	2082	0.696	16.437	0.098	-1.458	-29.929	-136.034
42082_2082	42082	2082	-0.696	18.184	-0.098	0.127	29.929	135.922
42082_2083	42082	2083	0.696	-0.286	0.098	-0.127	-28.747	-24.356
42083_2083	42083	2083	-0.696	0.286	-0.098	0.107	28.747	24.356
42083_2084	42083	2084	0.696	17.628	0.098	-0.107	-27.556	-129.202
42084_2084	42084	2084	-0.698	16.87	-0.256	-1.216	27.556	129.215
42084_2085	42084	2085	0.698	-0.206	0.256	1.216	-24.68	-33.179
42085_2085	42085	2085	-0.698	0.206	-0.256	-1.246	24.68	33.177
42085_2086	42085	2086	0.698	16.444	0.256	1.246	-21.799	-124.421
42086_2086	42086	2086	-0.699	16.263	-0.224	-2.334	21.799	124.647
42086_2087	42086	2087	0.699	0.401	0.224	2.334	-19.277	-35.433
42087_2087	42087	2087	-0.699	-0.401	-0.225	-2.365	19.277	35.431
42087_2088	42087	2088	0.699	17.065	0.225	2.365	-16.748	-133.664
42088_2088	42088	2088	-0.72	14.972	-1.892	-2.753	16.748	133.68
42088_2089	42088	2089	0.72	5.958	1.892	2.753	9.981	-70.003

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42089_2089	42089	2089	-0.72	-5.958	-1.892	-2.757	-9.981	70.006
42089_2090	42089	2090	0.72	18.173	1.892	2.757	25.58	-169.481
42090_2090	42090	2090	-0.72	18.719	-0.375	-2.264	-25.58	169.699
42090_2091	42090	2091	0.72	-1.302	0.375	2.264	29.984	-52.012
42091_2091	42091	2091	-0.72	1.302	-0.375	-2.267	-29.984	52.021
42091_2092	42091	2092	0.72	18.03	0.375	2.267	34.954	-162.823
42092_2092	42092	2092	-0.714	17.91	2.493	-1.402	-34.954	162.669
42092_2093	42092	2093	0.714	0.325	-2.493	1.402	3.808	-52.802
42093_2093	42093	2093	-0.712	-0.325	2.493	-1.359	-3.808	52.803
42093_2094	42093	2094	0.712	18.573	-2.493	1.359	-27.37	-170.963
42094_2094	42094	2094	-0.707	19.343	-2.418	-0.655	27.37	170.916
42094_2095	42094	2095	0.707	-5.474	2.418	0.655	-4.392	-52.982
42095_2095	42095	2095	-0.709	5.474	-2.417	-0.611	4.392	52.986
42095_2096	42095	2096	0.709	5.825	2.417	0.611	14.323	-54.345
42096_2096	42096	2096	-0.706	-5.825	-2.418	-0.679	-14.323	54.345
42096_2097	42096	2097	0.706	17.139	2.418	0.679	33.07	-143.372
42097_2097	42097	2097	-0.686	18.009	0.811	-0.125	-33.07	143.23
42097_2098	42097	2098	0.686	-6.346	-0.811	0.125	26.591	-45.898
42098_2098	42098	2098	-0.686	6.346	0.811	-0.124	-26.591	45.898
42098_2099	42098	2099	0.686	5.333	-0.811	0.124	20.103	-41.844
42099_2099	42099	2099	-0.686	-5.333	0.811	-0.124	-20.103	41.844
42099_2100	42099	2100	0.686	17.011	-0.811	0.124	13.616	-131.248
42100_2100	42100	2100	-0.692	17.57	0.198	-0.038	-13.616	131.22
42100_2101	42100	2101	0.692	-8.811	-0.198	0.038	12.428	-52.048
42101_2101	42101	2101	-0.692	8.811	0.198	-0.04	-12.428	52.048
42101_2102	42101	2102	0.692	-0.067	-0.198	0.04	11.242	-25.448
42102_2102	42102	2102	-0.692	0.067	0.198	-0.039	-11.242	25.448
42102_2103	42102	2103	0.692	8.692	-0.198	0.039	10.054	-51.331
42103_2103	42103	2103	-0.692	-8.692	0.198	-0.039	-10.054	51.331
42103_2104	42103	2104	0.692	17.45	-0.198	0.039	8.866	-129.785
42104_2104	42104	2104	-0.694	17.242	-0.433	-0.009	-8.866	129.788
42104_2105	42104	2105	0.694	-5.563	0.433	0.009	12.335	-38.529
42105_2105	42105	2105	-0.695	5.563	-0.433	0.038	-12.335	38.529
42105_2106	42105	2106	0.695	6.102	0.433	-0.038	15.793	-40.685
42106_2106	42106	2106	-0.695	-6.102	-0.433	0.04	-15.793	40.685
42106_2107	42106	2107	0.695	17.781	0.433	-0.04	19.255	-136.255
42107_2107	42107	2107	-0.686	16.951	2.424	0.491	-19.255	136.284
42107_2108	42107	2108	0.686	-5.637	-2.424	-0.491	0.459	-48.718
42108_2108	42108	2108	-0.683	5.637	2.425	0.552	-0.459	48.718
42108_2109	42108	2109	0.683	5.663	-2.425	-0.552	-18.318	-48.818
42109_2109	42109	2109	-0.686	-5.663	2.424	0.496	18.318	48.817
42109_2110	42109	2110	0.686	19.532	-2.424	-0.496	-41.358	-168.542
42110_2110	42110	2110	-0.717	19.333	-2.707	1.273	41.358	168.54
42110_2111	42110	2111	0.717	-1.101	2.707	-1.273	-7.536	-40.895
42111_2111	42111	2111	-0.719	1.101	-2.707	1.307	7.536	40.894
42111_2112	42111	2112	0.719	17.145	2.707	-1.307	26.306	-141.202
42112_2112	42112	2112	-0.689	14.045	0.65	2.198	-26.306	141.229
42112_2113	42112	2113	0.689	5.296	-0.65	-2.198	17.69	-83.252
42113_2113	42113	2113	-0.689	-5.296	0.65	2.414	-17.69	83.289
42113_2114	42113	2114	0.689	22.394	-0.65	-2.414	10.055	-245.877
42114_2114	42114	2114	-0.696	17.383	-0.128	3.183	-10.055	245.875
42114_2115	42114	2115	0.696	-5.37	0.128	-3.183	11.109	-152.002
42115_2115	42115	2115	-0.696	5.37	-0.129	2.832	-11.109	152.009

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42115_2116	42115	2116	0.696	15.95	0.129	-2.832	13.003	-229.474
42116_2116	42116	2116	-0.695	18.432	1.35	2.815	-13.003	229.308
42116_2117	42116	2117	0.695	-2.064	-1.35	-2.815	-2.17	-114.105
42117_2117	42117	2117	-0.696	2.064	1.349	2.714	2.17	114.107
42117_2118	42117	2118	0.696	14.305	-1.349	-2.714	-17.335	-182.915
42118_2118	42118	2118	-0.693	17.148	0.013	1.992	17.335	182.904
42118_2119	42118	2119	0.693	-0.781	-0.013	-1.992	-17.486	-82.127
42119_2119	42119	2119	-0.693	0.781	0.014	2.066	17.486	82.126
42119_2120	42119	2120	0.693	15.6	-0.014	-2.066	-17.644	-165.488
42120_2120	42120	2120	-0.693	18.37	0.164	0.748	17.644	165.318
42120_2121	42120	2121	0.693	-0.78	-0.164	-0.748	-19.625	-49.642
42121_2121	42121	2121	-0.693	0.78	0.164	0.748	19.625	49.642
42121_2122	42121	2122	0.693	16.81	-0.164	-0.748	-21.607	-146.477
42122_2122	42122	2122	-0.693	17.004	0.004	-0.665	21.607	146.476
42122_2123	42122	2123	0.693	-0.623	-0.004	0.665	-21.655	-47.319
42123_2123	42123	2123	-0.693	0.623	0.004	-0.665	21.655	47.319
42123_2124	42123	2124	0.693	15.742	-0.004	0.665	-21.703	-132.292
42124_2124	42124	2124	-0.693	16.396	-0.444	-1.915	21.703	132.302
42124_2125	42124	2125	0.693	-0.03	0.444	1.915	-16.709	-39.98
42125_2125	42125	2125	-0.693	0.03	-0.444	-1.879	16.709	39.981
42125_2126	42125	2126	0.693	16.35	0.444	1.879	-11.718	-131.786
42126_2126	42126	2126	-0.695	14.704	-1.736	-2.535	11.718	131.651
42126_2127	42126	2127	0.695	5.491	1.736	2.535	12.358	-67.754
42127_2127	42127	2127	-0.696	-5.491	-1.735	-2.472	-12.358	67.756
42127_2128	42127	2128	0.696	17.517	1.735	2.472	26.691	-162.778
42128_2128	42128	2128	-0.707	18.382	-0.319	-2.089	-26.691	162.614
42128_2129	42128	2129	0.707	-1.289	0.319	2.089	30.439	-47.141
42129_2129	42129	2129	-0.707	1.289	-0.319	-1.972	-30.439	47.15
42129_2130	42129	2130	0.707	18.024	0.319	1.972	34.674	-158.103
42130_2130	42130	2130	-0.721	17.264	4.641	-1.495	-34.674	157.977
42130_2131	42130	2131	0.721	0.942	-4.641	1.495	-23.339	-55.964
42131_2131	42131	2131	-0.717	-0.942	4.642	-1.451	23.339	55.965
42131_2132	42131	2132	0.717	19.133	-4.642	1.451	-81.312	-181.336
42132_2132	42132	2132	-2.866	18.366	-4.998	-0.474	81.312	153.694
42132_2133	42132	2133	2.866	-4.53	4.998	0.474	-33.831	-44.936
42133_2133	42133	2133	-2.862	4.53	-5	-0.506	33.831	44.935
42133_2134	42133	2134	2.862	6.758	5	0.506	4.92	-53.568
42134_2134	42134	2134	-2.862	-6.758	-5	-0.506	-4.92	53.568
42134_2135	42134	2135	2.862	18.06	5	0.506	43.72	-149.862
42135_2135	42135	2135	-2.889	18.482	1.094	0.108	-43.72	150.06
42135_2136	42135	2136	2.889	-6.828	-1.094	-0.108	34.965	-48.803
42136_2136	42136	2136	-2.89	6.828	1.091	0.047	-34.965	48.803
42136_2137	42136	2137	2.89	4.825	-1.091	-0.047	26.239	-40.789
42137_2137	42137	2137	-2.889	-4.825	1.094	0.098	-26.239	40.789
42137_2138	42137	2138	2.889	16.479	-1.094	-0.098	17.483	-126.019
42138_2138	42138	2138	-2.881	17.43	0.612	-0.013	-17.483	126.019
42138_2139	42138	2139	2.881	-8.69	-0.612	0.013	13.809	-47.647
42139_2139	42139	2139	-2.881	8.69	0.612	-0.013	-13.809	47.647
42139_2140	42139	2140	2.881	0.051	-0.612	0.013	10.135	-21.726
42140_2140	42140	2140	-2.881	-0.051	0.612	-0.013	-10.135	21.726
42140_2141	42140	2141	2.881	8.791	-0.612	0.013	6.461	-48.255
42141_2141	42141	2141	-2.881	-8.791	0.612	-0.013	-6.461	48.255
42141_2142	42141	2142	2.881	17.531	-0.612	0.013	2.786	-127.235

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42142_2142	42142	2142	-2.859	17.111	-0.576	-0.206	-2.786	127.087
42142_2143	42142	2143	2.859	-5.472	0.576	0.206	7.387	-36.854
42143_2143	42143	2143	-2.859	5.472	-0.572	-0.159	-7.387	36.854
42143_2144	42143	2144	2.859	6.182	0.572	0.159	11.965	-39.696
42144_2144	42144	2144	-2.859	-6.182	-0.576	-0.209	-11.965	39.696
42144_2145	42144	2145	2.859	17.836	0.576	0.209	16.571	-135.783
42145_2145	42145	2145	-2.913	16.785	2.539	0.198	-16.571	135.934
42145_2146	42145	2146	2.913	-5.496	-2.539	-0.198	-3.111	-49.582
42146_2146	42146	2146	-2.913	5.496	2.539	0.198	3.111	49.582
42146_2147	42146	2147	2.913	5.794	-2.539	-0.198	-22.792	-50.737
42147_2147	42147	2147	-2.915	-5.794	2.537	0.139	22.792	50.733
42147_2148	42147	2148	2.915	19.633	-2.537	-0.139	-46.894	-171.531
42148_2148	42148	2148	-2.817	19.561	-3.15	0.912	46.894	171.539
42148_2149	42148	2149	2.817	-1.352	3.15	-0.912	-7.512	-40.816
42149_2149	42149	2149	-2.815	1.352	-3.152	0.879	7.512	40.817
42149_2150	42149	2150	2.815	16.842	3.152	-0.879	31.869	-137.572
42150_2150	42150	2150	-2.883	13.697	0.771	1.77	-31.869	137.587
42150_2151	42150	2151	2.883	5.605	-0.771	-1.77	21.648	-83.968
42151_2151	42151	2151	-2.883	-5.605	0.77	1.8	-21.648	82.468
42151_2152	42151	2152	2.883	23.458	-0.77	-1.8	12.604	-253.242
42152_2152	42152	2152	-2.884	17.179	0.811	2.237	-12.604	253.246
42152_2153	42152	2153	2.884	-4.643	-0.811	-2.237	5.913	-163.215
42153_2153	42153	2153	-2.884	4.643	0.811	2.23	-5.913	163.205
42153_2154	42153	2154	2.884	16.233	-0.811	-2.23	-5.229	-242.842
42154_2154	42154	2154	-2.88	18.827	0.59	1.846	5.229	242.835
42154_2155	42154	2155	2.88	-2.114	-0.59	-1.846	-11.723	-127.639
42155_2155	42155	2155	-2.88	2.114	0.59	1.846	11.723	127.639
42155_2156	42155	2156	2.88	14.6	-0.59	-1.846	-18.217	-196.322
42156_2156	42156	2156	-2.875	16.602	0.324	0.932	18.217	196.306
42156_2157	42156	2157	2.875	-1.392	-0.324	-0.932	-21.463	-106.231
42157_2157	42157	2157	-2.875	1.392	0.321	0.827	21.463	106.232
42157_2158	42157	2158	2.875	13.832	-0.321	-0.827	-24.684	-168.568
42158_2158	42158	2158	-2.867	15.364	-0.134	-0.291	24.684	168.386
42158_2159	42158	2159	2.867	-0.154	0.134	0.291	-23.337	-90.706
42159_2159	42159	2159	-2.867	0.154	-0.134	-0.291	23.337	90.706
42159_2160	42159	2160	2.867	15.055	0.134	0.291	-21.991	-165.296
42160_2160	42160	2160	-2.858	16.71	-0.662	-1.477	21.991	165.437
42160_2161	42160	2161	2.858	0.004	0.662	1.477	-14.703	-73.536
42161_2161	42161	2161	-2.858	-0.004	-0.662	-1.477	14.703	73.536
42161_2162	42161	2162	2.858	16.717	0.662	1.477	-7.415	-165.516
42162_2162	42162	2162	-2.85	15.391	-1.069	-2.278	7.415	165.502
42162_2163	42162	2163	2.85	5.501	1.069	2.278	7.288	-97.494
42163_2163	42163	2163	-2.85	-5.501	-1.067	-2.203	-7.288	97.486
42163_2164	42163	2164	2.85	18.021	1.067	2.203	16.083	-194.413
42164_2164	42164	2164	-2.848	19.557	-1.231	-1.731	-16.083	194.421
42164_2165	42164	2165	2.848	-1.704	1.231	1.731	30.552	-69.489
42165_2165	42165	2165	-2.848	1.704	-1.232	-1.723	-30.552	69.794
42165_2166	42165	2166	2.848	18.965	1.232	1.723	46.877	-184.162
42166_2166	42166	2166	-2.955	18.881	4.648	-0.985	-46.877	184.176
42166_2167	42166	2167	2.955	0.618	-4.648	0.985	-11.228	-70.009
42167_2167	42167	2167	-2.955	-0.618	4.648	-0.985	11.228	70.009
42167_2168	42167	2168	2.955	20.117	-4.648	0.985	-69.332	-199.622
42168_2168	42168	2168	-2.801	20.697	-4.283	-0.314	69.332	199.492

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42168_2169	42168	2169	2.801	-5.894	4.283	0.314	-28.676	-73.297
42169_2169	42169	2169	-2.8	5.894	-4.284	-0.311	28.676	73.292
42169_2170	42169	2170	2.8	6.196	4.284	0.311	4.529	-74.462
42170_2170	42170	2170	-2.794	-6.196	-4.287	-0.407	-4.529	74.462
42170_2171	42170	2171	2.794	18.285	4.287	0.407	37.763	-169.344
42171_2171	42171	2171	-2.891	19.486	1.23	0.169	-37.763	169.514
42171_2172	42171	2172	2.891	-7.007	-1.23	-0.169	27.921	-63.527
42172_2172	42172	2172	-2.893	7.007	1.226	0.09	-27.921	63.527
42172_2173	42172	2173	2.893	5.473	-1.226	-0.09	18.108	-57.39
42173_2173	42173	2173	-2.891	-5.473	1.23	0.161	-18.108	57.39
42173_2174	42173	2174	2.891	17.952	-1.23	-0.161	8.266	-151.104
42174_2174	42174	2174	-2.873	18.85	0.139	0.096	-8.266	150.951
42174_2175	42174	2175	2.873	-9.49	-0.139	-0.096	7.434	-65.918
42175_2175	42175	2175	-2.873	9.49	0.139	0.094	-7.434	65.918
42175_2176	42175	2176	2.873	-0.146	-0.139	-0.094	6.603	-37.053
42176_2176	42176	2176	-2.873	0.146	0.139	0.096	-6.603	37.053
42176_2177	42176	2177	2.873	9.214	-0.139	-0.096	5.771	-64.26
42177_2177	42177	2177	-2.873	-9.214	0.139	0.096	-5.771	64.26
42177_2178	42177	2178	2.873	18.573	-0.139	-0.096	4.938	-147.634
42178_2178	42178	2178	-2.852	18.455	-0.985	-0.023	-4.938	147.788
42178_2179	42178	2179	2.852	-5.976	0.985	0.023	12.817	-50.045
42179_2179	42179	2179	-2.854	5.976	-0.981	0.04	-12.817	50.045
42179_2180	42179	2180	2.854	6.503	0.981	-0.04	20.668	-52.155
42180_2180	42180	2180	-2.852	-6.503	-0.985	-0.025	-20.668	52.155
42180_2181	42180	2181	2.852	18.983	0.985	0.025	28.547	-154.118
42181_2181	42181	2181	-2.952	17.949	4.772	0.328	-28.547	154.122
42181_2182	42181	2182	2.952	-5.86	-4.772	-0.328	-8.439	-61.845
42182_2182	42182	2182	-2.952	5.86	4.772	0.328	8.439	61.845
42182_2183	42182	2183	2.952	6.229	-4.772	-0.328	-45.425	-63.276
42183_2183	42183	2183	-2.956	-6.229	4.769	0.248	45.425	63.269
42183_2184	42183	2184	2.956	21.033	-4.769	-0.248	-90.691	-192.653
42184_2184	42184	2184	-2.78	20.913	-5.229	0.916	90.691	192.794
42184_2185	42184	2185	2.78	-1.414	5.229	-0.916	-25.323	-53.233
42185_2185	42185	2185	-2.776	1.414	-5.231	0.873	25.323	53.234
42185_2186	42185	2186	2.776	18.085	5.231	-0.873	40.074	-157.45
42186_2186	42186	2186	-2.884	15.656	1.008	1.609	-40.074	157.461
42186_2187	42186	2187	2.884	5.013	-1.008	-1.609	26.719	-86.945
42187_2187	42187	2187	-2.885	-5.013	1.006	1.557	-26.719	86.18
42187_2188	42187	2188	2.885	24.132	-1.006	-1.557	14.897	-257.441
42188_2188	42188	2188	-2.883	19.345	0.907	2.054	-14.897	257.447
42188_2189	42188	2189	2.883	-5.937	-0.907	-2.054	7.425	-153.267
42189_2189	42189	2189	-2.883	5.937	0.907	2.068	-7.425	153.291
42189_2190	42189	2190	2.883	16.436	-0.907	-2.068	-5.043	-225.48
42190_2190	42190	2190	-2.878	19.477	0.643	1.622	5.043	225.472
42190_2191	42190	2191	2.878	-1.579	-0.643	-1.622	-12.114	-109.646
42191_2191	42191	2191	-2.878	1.579	0.643	1.622	12.114	109.646
42191_2192	42191	2192	2.878	16.32	-0.643	-1.622	-19.186	-190.735
42192_2192	42192	2192	-2.869	17.519	0.123	0.147	19.186	190.712
42192_2193	42192	2193	2.869	-1.101	-0.123	-0.147	-20.428	-96.761
42193_2193	42193	2193	-2.869	1.101	0.126	0.243	20.428	96.76
42193_2194	42193	2194	2.869	15.317	-0.126	-0.243	-21.7	-168.493
42194_2194	42194	2194	-2.854	16.349	-0.616	-1.249	21.7	168.463
42194_2195	42194	2195	2.854	0.069	0.616	1.249	-15.486	-86.317

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42195_2195	42195	2195	-2.853	-0.069	-0.619	-1.334	15.486	86.315
42195_2196	42195	2196	2.853	16.487	0.619	1.334	-9.244	-169.854
42196_2196	42196	2196	-2.844	17.61	-0.997	-2.681	9.244	169.819
42196_2197	42196	2197	2.844	0.288	0.997	2.681	1.725	-74.534
42197_2197	42197	2197	-2.844	-0.288	-0.997	-2.682	-1.725	74.534
42197_2198	42197	2198	2.844	18.171	0.997	2.682	12.684	-175.984
42198_2198	42198	2198	-2.831	16.402	-1.555	-3.304	-12.684	175.969
42198_2199	42198	2199	2.831	5.971	1.555	3.304	34.067	-104.246
42199_2199	42199	2199	-2.831	-5.971	-1.555	-3.299	-34.067	104.239
42199_2200	42199	2200	2.831	19.395	1.555	3.299	46.898	-208.893
42200_2200	42200	2200	-2.847	21.124	-0.889	-2.142	-46.898	208.923
42200_2201	42200	2201	2.847	-2.005	0.889	2.142	57.345	-73.021
42201_2201	42201	2201	-2.847	2.005	-0.887	-2.08	-57.345	73.291
42201_2202	42201	2202	2.847	20.381	0.887	2.08	69.093	-194.963
42202_2202	42202	2202	-2.958	20.424	3.641	-1.003	-69.093	194.991
42202_2203	42202	2203	2.958	0.71	-3.641	1.003	23.569	-71.758
42203_2203	42203	2203	-2.956	-0.71	3.644	-0.945	-23.569	71.758
42203_2204	42203	2204	2.956	21.844	-3.644	0.945	-21.984	-212.746
42204_2204	42204	2204	-2.779	22.375	-3.582	0.136	21.984	212.778
42204_2205	42204	2205	2.779	-6.313	3.582	-0.136	12.048	-76.484
42205_2205	42205	2205	-2.782	6.313	-3.579	0.226	-12.048	76.472
42205_2206	42205	2206	2.782	6.79	3.579	-0.226	39.79	-78.322
42206_2206	42206	2206	-2.782	-6.79	-3.579	0.225	-39.79	78.322
42206_2207	42206	2207	2.782	19.877	3.579	-0.225	67.498	-181.539
42207_2207	42207	2207	-2.912	20.911	1.668	0.687	-67.498	181.713
42207_2208	42207	2208	2.912	-7.385	-1.668	-0.687	54.152	-68.511
42208_2208	42208	2208	-2.91	7.385	1.672	0.773	-54.152	68.51
42208_2209	42208	2209	2.91	6.141	-1.672	-0.773	40.778	-63.535
42209_2209	42209	2209	-2.912	-6.141	1.668	0.693	-40.778	63.536
42209_2210	42209	2210	2.912	19.667	-1.668	-0.693	27.432	-166.787
42210_2210	42210	2210	-2.882	20.403	0.459	0.862	-27.432	166.79
42210_2211	42210	2211	2.882	-10.259	-0.459	-0.862	24.676	-74.788
42211_2211	42211	2211	-2.882	10.259	0.459	0.862	-24.676	74.788
42211_2212	42211	2212	2.882	-0.114	-0.459	-0.862	21.919	-43.662
42212_2212	42212	2212	-2.882	0.114	0.459	0.862	-21.919	43.662
42212_2213	42212	2213	2.882	10.03	-0.459	-0.862	19.163	-73.414
42213_2213	42213	2213	-2.882	-10.03	0.459	0.862	-19.163	73.414
42213_2214	42213	2214	2.882	20.175	-0.459	-0.862	16.407	-164.043
42214_2214	42214	2214	-2.886	20.107	0.467	0.828	-16.407	163.858
42214_2215	42214	2215	2.886	-6.581	-0.467	-0.828	12.671	-57.087
42215_2215	42215	2215	-2.886	6.581	0.467	0.827	-12.671	57.087
42215_2216	42215	2216	2.886	6.928	-0.467	-0.827	8.94	-58.471
42216_2216	42216	2216	-2.887	-6.928	0.463	0.755	-8.94	58.472
42216_2217	42216	2217	2.887	20.454	-0.463	-0.755	5.233	-168.016
42217_2217	42217	2217	-2.96	19.479	3.694	1.19	-5.233	168.179
42217_2218	42217	2218	2.96	-6.376	-3.694	-1.19	-23.402	-67.98
42218_2218	42218	2218	-2.965	6.376	3.69	1.102	23.402	67.981
42218_2219	42218	2219	2.965	6.728	-3.69	-1.102	-52.007	-69.345
42219_2219	42219	2219	-2.964	-6.728	3.691	1.107	52.007	69.341
42219_2220	42219	2220	2.964	22.79	-3.691	-1.107	-87.077	-209.57
42220_2220	42220	2220	-2.804	22.805	-3.347	1.902	87.077	209.462
42220_2221	42220	2221	2.804	-1.691	3.347	-1.902	-45.266	-56.483
42221_2221	42221	2221	-2.807	1.691	-3.345	1.947	45.266	56.482

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42221_2222	42221	2222	2.807	19.441	3.345	-1.947	-3.45	-167.42
42222_2222	42222	2222	-2.837	16.956	-0.685	2.596	3.45	167.585
42222_2223	42222	2223	2.837	5.443	0.685	-2.596	5.633	-91.312
42223_2223	42223	2223	-2.837	-5.443	-0.683	3.32	-5.633	90.257
42223_2224	42223	2224	2.837	26.147	0.683	-3.32	13.66	-275.852
42224_2224	42224	2224	-2.836	22.511	2.068	2.789	-13.66	276.02
42224_2225	42224	2225	2.836	-7.975	-2.068	-2.789	-3.398	-150.261
42225_2225	42225	2225	-2.837	7.975	2.066	2.711	3.398	150.248
42225_2226	42225	2226	2.837	20.535	-2.066	-2.711	-36.831	-251.865
42226_2226	42226	2226	-2.802	23.024	0.209	1.96	36.831	251.577
42226_2227	42226	2227	2.802	-1.51	-0.209	-1.96	-39.381	-101.789
42227_2227	42227	2227	-2.801	1.51	0.225	2.544	39.381	101.776
42227_2228	42227	2228	2.801	20.006	-0.225	-2.544	-42.128	-214.704
42228_2228	42228	2228	-2.81	22.237	0.681	0.287	42.128	214.725
42228_2229	42228	2229	2.81	-0.718	-0.681	-0.287	-50.445	-74.556
42229_2229	42229	2229	-2.81	0.718	0.683	0.348	50.445	74.556
42229_2230	42229	2230	2.81	20.801	-0.683	-0.348	-58.79	-197.192
42230_2230	42230	2230	-2.708	21.809	-1.665	-1.766	58.79	197.301
42230_2231	42230	2231	2.708	-0.132	1.665	1.766	-38.308	-62.329
42231_2231	42231	2231	-2.724	0.132	-1.638	-1.157	38.308	62.343
42231_2232	42231	2232	2.724	21.533	1.638	1.157	-18.163	-193.91
42232_2232	42232	2232	-2.779	21.722	-0.268	-3.219	18.163	193.694
42232_2233	42232	2233	2.779	2.925	0.268	3.219	-14.416	-62.225
42233_2233	42233	2233	-2.779	-2.925	-0.266	-3.169	14.416	62.206
42233_2234	42233	2234	2.779	21.138	0.266	3.169	-11.669	-186.574
42234_2234	42234	2234	-2.683	19.366	-2.276	-2.693	11.669	186.602
42234_2235	42234	2235	2.683	0.733	2.276	2.693	14.29	-80.327
42235_2235	42235	2235	-2.715	-0.733	-2.237	-1.884	-14.29	80.301
42235_2236	42235	2236	2.715	19.313	2.237	1.884	36.486	-179.747
42236_2236	42236	2236	-3.06	18.911	3.917	-1.806	-36.486	179.898
42236_2237	42236	2237	3.06	0.738	-3.917	1.806	-4.614	-84.557
42237_2237	42237	2237	-3.063	-0.738	3.915	-1.864	4.614	84.555
42237_2238	42237	2238	3.063	21.042	-3.915	1.864	-47.062	-202.637
42238_2238	42238	2238	-2.407	23.071	-4.17	0.028	47.062	202.744
42238_2239	42238	2239	2.407	-3.441	4.17	-0.028	-3.344	-63.787
42239_2239	42239	2239	-2.432	3.441	-4.156	0.415	3.344	63.785
42239_2240	42239	2240	2.432	22.797	4.156	-0.415	54.884	-199.396
42240_2240	42240	2240	-2.845	21.166	1.292	0.362	-54.884	199.369
42240_2241	42240	2241	2.845	-3.62	-1.292	-0.362	42.775	-83.247
42241_2241	42241	2241	-2.846	3.62	1.29	0.302	-42.775	83.247
42241_2242	42241	2242	2.846	15.576	-1.29	-0.302	29.548	-144.527
42242_2242	42242	2242	-2.899	17.924	2.136	0.761	-29.548	144.638
42242_2243	42242	2243	2.899	0.521	-2.136	-0.761	8.504	-58.923
42243_2243	42243	2243	-2.898	-0.521	2.138	0.788	-8.504	58.923
42243_2244	42243	2244	2.898	18.835	-2.138	-0.788	-12.404	-153.576
42244_2244	42244	2244	-2.787	19.178	0.505	0.523	12.404	153.528
42244_2245	42244	2245	2.787	-2.073	-0.505	-0.523	-17.02	-56.466
42245_2245	42245	2245	-2.784	2.073	0.522	0.853	17.02	56.462
42245_2246	42245	2246	2.784	17.557	-0.522	-0.853	-22.487	-137.618
42246_2246	42246	2246	-2.756	16.226	-0.019	0.21	22.487	137.582
42246_2247	42246	2247	2.756	3.028	0.019	-0.21	-22.292	-69.729
42247_2247	42247	2247	-2.756	-3.028	-0.018	0.236	22.292	69.729
42247_2248	42247	2248	2.756	20.535	0.018	-0.236	-22.124	-179.876

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42248_2248	42248	2248	-2.74	22.093	-1.077	0.072	22.124	179.549
42248_2249	42248	2249	2.74	1.782	1.077	-0.072	-8.398	-50.067
42249_2249	42249	2249	-2.756	-1.782	-1.037	0.803	8.398	50.052
42249_2250	42249	2250	2.756	23.769	1.037	-0.803	3.773	-200.061
42250_2250	42250	2250	-2.529	21.284	-8.282	1.074	-3.773	200.073
42250_2251	42250	2251	2.529	4.786	8.282	-1.074	119.079	-85.23
42251_2251	42251	2251	-2.523	-4.786	-8.284	1.019	-119.079	85.231
42251_2252	42251	2252	2.523	19.211	8.284	-1.019	182.897	-177.664
42252_2252	42252	2252	-3.747	19.525	27.661	-0.2	-182.897	177.538
42252_2253	42252	2253	3.747	-0.604	-27.661	0.2	-96.61	-75.839
42253_2253	42253	2253	-3.577	0.604	27.684	0.268	96.61	75.839
42253_2254	42253	2254	3.577	22.207	-27.684	-0.268	-433.831	-207.415
42254_2254	42254	2254	0.329	18.551	-26.557	2.944	433.831	207.45
42254_2255	42254	2255	-0.329	-0.738	26.557	-2.944	-194.459	-120.522
42255_2255	42255	2255	0.351	0.738	-26.557	2.846	194.459	120.524
42255_2256	42255	2256	-0.351	28.564	26.557	-2.846	199.29	-326.806
42256_2256	42256	2256	-0.274	24.102	6.221	-2.636	-199.29	326.75
42256_2257	42256	2257	0.274	-1.994	-6.221	2.636	129.694	-180.782
42257_2257	42257	2257	-0.234	1.994	6.223	-1.46	-129.694	180.795
42257_2258	42257	2258	0.234	21.443	-6.223	1.46	55.894	-296.119
42258_2258	42258	2258	-0.165	22.355	0.625	-0.741	-55.894	296.335
42258_2259	42258	2259	0.165	0.562	-0.625	0.741	48.652	-169.981
42259_2259	42259	2259	-0.165	-0.562	0.624	-0.801	-48.652	169.981
42259_2260	42259	2260	0.165	23.219	-0.624	0.801	41.493	-306.302
42260_2260	42260	2260	-0.137	21.59	-3.835	-3.197	-41.493	306.197
42260_2261	42260	2261	0.137	1.425	3.835	3.197	86.155	-188.777
42261_2261	42261	2261	-0.188	-1.425	-3.833	-0.704	-86.155	188.803
42261_2262	42261	2262	0.188	23.96	3.833	0.704	129.862	-333.537
42262_2262	42262	2262	-0.149	22.87	1.62	-5.021	-129.862	333.472
42262_2263	42262	2263	0.149	2.078	-1.62	5.021	109.408	-202.241
42263_2263	42263	2263	-0.15	-2.078	1.62	-5.109	-109.408	202.239
42263_2264	42263	2264	0.15	25.329	-1.62	5.109	90.345	-363.467
42264_2264	42264	2264	-0.202	23.251	-7.414	-6.759	-90.345	363.821
42264_2265	42264	2265	0.202	2.003	7.414	6.759	185.086	-228.059
42265_2265	42265	2265	-0.248	-2.003	-7.413	-5.331	-185.086	228.096
42265_2266	42265	2266	0.248	25.282	7.413	5.331	272.399	-388.796
42266_2266	42266	2266	0.02	27.083	9.065	-5.488	-272.399	388.669
42266_2267	42266	2267	-0.02	-6.504	-9.065	5.488	178.002	-213.799
42267_2267	42267	2267	0.035	6.504	9.065	-5.139	-178.002	213.808
42267_2268	42267	2268	-0.035	12.122	-9.065	5.139	92.566	-240.279
42268_2268	42268	2268	-0.01	22.186	2.407	-1.291	-92.566	240.244
42268_2269	42268	2269	0.01	0.041	-2.407	1.291	65.924	-117.664
42269_2269	42269	2269	0.025	-0.041	2.406	0.432	-65.924	117.67
42269_2270	42269	2270	-0.025	26.612	-2.406	-0.432	34.077	-294.038
42270_2270	42270	2270	0.036	36.548	1.397	0.597	-34.077	294.143
42270_2271	42270	2271	-0.036	-13.106	-1.397	-0.597	17.768	-4.277
42271_2271	42271	2271	0.036	13.106	1.397	0.595	-17.768	4.277
42271_2272	42271	2272	-0.036	12.432	-1.397	-0.595	0	0.005
42372_2372	42372	2372	0.095	8.688	-0.783	0.863	0	0.006
42372_2373	42372	2373	-0.095	9.771	0.783	-0.863	9.668	-6.692
42373_2373	42373	2373	0.096	-9.771	-0.783	0.857	-9.668	6.693
42373_2374	42373	2374	-0.096	27.816	0.783	-0.857	19.119	-233.673
42374_2374	42374	2374	0.083	20.621	0.485	1.284	-19.119	233.01

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42374_2375	42374	2375	-0.083	-2.376	-0.485	-1.284	13.202	-92.61
42375_2375	42375	2375	0.083	2.376	0.485	1.245	-13.202	92.61
42375_2376	42375	2376	-0.083	13.531	-0.485	-1.245	8.043	-151.986
42376_2376	42376	2376	0.062	15.205	1.326	0.522	-8.043	151.886
42376_2377	42376	2377	-0.062	1.566	-1.326	-0.522	-6.842	-75.341
42377_2377	42377	2377	0.08	-1.566	1.325	1.557	6.842	75.327
42377_2378	42377	2378	-0.08	17.375	-1.325	-1.557	-20.863	-175.532
42378_2378	42378	2378	0.061	18.061	-1.17	1.078	20.863	175.527
42378_2379	42378	2379	-0.061	1.344	1.17	-1.078	-5.672	-66.974
42379_2379	42379	2379	0.06	-1.344	-1.17	1.133	5.672	66.974
42379_2380	42379	2380	-0.06	18.164	1.17	-1.133	7.496	-176.777
42380_2380	42380	2380	0.069	15.021	1.437	0.614	-7.496	176.812
42380_2381	42380	2381	-0.069	1.415	-1.437	-0.614	-8.313	-101.977
42381_2381	42381	2381	0.08	-1.415	1.437	1.352	8.313	101.97
42381_2382	42381	2382	-0.08	16.122	-1.437	-1.352	-22.453	-188.282
42382_2382	42382	2382	0.075	18.385	-2.131	2.022	22.453	187.85
42382_2383	42382	2383	-0.075	0.261	2.131	-2.022	4.144	-74.761
42383_2383	42383	2383	0.076	-0.261	-2.131	1.984	-4.144	74.762
42383_2384	42383	2384	-0.076	16.997	2.131	-1.984	28.015	-171.418
42384_2384	42384	2384	0.079	18.427	0.635	3.237	-28.015	171.618
42384_2385	42384	2385	-0.079	-2.266	-0.635	-3.237	21.094	-58.775
42385_2385	42385	2385	0.078	2.266	0.635	3.175	-21.094	58.779
42385_2386	42385	2386	-0.078	15.558	-0.635	-3.175	13.459	-138.72
42386_2386	42386	2386	0.082	18.429	0.659	3.032	-13.459	138.601
42386_2387	42386	2387	-0.082	-0.093	-0.659	-3.032	5.304	-23.999
42387_2387	42387	2387	0.089	0.093	0.658	3.254	-5.304	23.97
42387_2388	42387	2388	-0.089	17.765	-0.658	-3.254	-2.628	-130.465
42388_2388	42388	2388	0.09	18.629	0.809	2.742	2.628	130.53
42388_2389	42388	2389	-0.09	0.721	-0.809	-2.742	-13.199	-13.603
42389_2389	42389	2389	0.089	-0.721	0.81	2.727	13.199	13.606
42389_2390	42389	2390	-0.089	17.558	-0.81	-2.727	-22.398	-117.454
42390_2390	42390	2390	0.093	18.291	0.334	1.797	22.398	117.459
42390_2391	42390	2391	-0.093	1.541	-0.334	-1.797	-26.871	-5.365
42391_2391	42391	2391	0.096	-1.541	0.333	1.844	26.871	5.349
42391_2392	42391	2392	-0.096	17.908	-0.333	-1.844	-30.553	-112.76
42392_2392	42392	2392	0.095	17.889	0.452	0.66	30.553	112.498
42392_2393	42392	2393	-0.095	1.223	-0.452	-0.66	-36.38	-5.021
42393_2393	42393	2393	0.095	-1.223	0.452	0.658	36.38	5.021
42393_2394	42393	2394	-0.095	18.291	-0.452	-0.658	-41.584	-117.406
42394_2394	42394	2394	0.096	17.936	0.522	-0.682	41.584	117.692
42394_2395	42394	2395	-0.096	-0.348	-0.522	0.682	-47.784	-9.183
42395_2395	42395	2395	0.101	0.348	0.521	-0.589	47.784	9.189
42395_2396	42395	2396	-0.101	18.265	-0.521	0.589	-54.333	-121.725
42396_2396	42396	2396	0.106	16.519	1.897	-1.938	54.333	121.58
42396_2397	42396	2397	-0.106	1.469	-1.897	1.938	-77.365	-30.233
42397_2397	42397	2397	0.107	-1.469	1.897	-1.929	77.365	30.233
42397_2398	42397	2398	-0.107	19.673	-1.897	1.929	-100.672	-160.095
42398_2398	42398	2398	0.098	19.331	-3.798	-3.441	100.672	160.102
42398_2399	42398	2399	-0.098	-0.404	3.798	3.441	-52.158	-34.056
42399_2399	42399	2399	0.08	0.404	-3.798	-3.277	52.158	34.072
42399_2400	42399	2400	-0.08	18.471	3.798	3.277	-3.773	-149.149
42400_2400	42400	2400	0.083	21.074	-0.257	-1.383	3.773	149.259
42400_2401	42400	2401	-0.083	0.67	0.257	1.383	0	0.445

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42572_2572	42572	2572	-0.025	8.753	-0.104	1.224	0	-0.027
42572_2573	42572	2573	0.025	9.726	0.104	-1.224	1.283	-5.986
42573_2573	42573	2573	-0.025	-9.726	-0.104	1.222	-1.283	5.987
42573_2574	42573	2574	0.025	27.642	0.104	-1.222	2.527	-230.016
42574_2574	42574	2574	-0.012	20.388	-0.552	0.89	-2.527	230.512
42574_2575	42574	2575	0.012	-2.426	0.552	-0.89	9.168	-93.377
42575_2575	42575	2575	-0.012	2.426	-0.552	0.926	-9.168	93.377
42575_2576	42575	2576	0.012	13.321	0.552	-0.926	14.989	-150.793
42576_2576	42576	2576	-0.062	15.259	1.523	0.524	-14.989	150.609
42576_2577	42576	2577	0.062	1.563	-1.523	-0.524	-2.159	-73.507
42577_2577	42577	2577	-0.042	-1.563	1.524	1.491	2.159	73.494
42577_2578	42577	2578	0.042	17.636	-1.524	-1.491	-18.549	-176.762
42578_2578	42578	2578	-0.082	17.909	-1.177	1.116	18.549	176.778
42578_2579	42578	2579	0.082	1.308	1.177	-1.116	-3.416	-70.021
42579_2579	42579	2579	-0.081	-1.308	-1.177	1.048	3.416	70.022
42579_2580	42579	2580	0.081	18.207	1.177	-1.048	9.893	-180.381
42580_2580	42580	2580	-0.06	15.287	1.814	0.895	-9.893	180.601
42580_2581	42580	2581	0.06	1.099	-1.814	-0.895	-10.005	-102.804
42581_2581	42581	2581	-0.05	-1.099	1.815	1.477	10.005	102.797
42581_2582	42581	2582	0.05	15.751	-1.815	-1.477	-27.8	-185.412
42582_2582	42582	2582	-0.126	18.521	-2.104	1.798	27.8	185.688
42582_2583	42582	2583	0.126	-0.097	2.104	-1.798	-1.855	-70.898
42583_2583	42583	2583	-0.125	0.097	-2.104	1.773	1.855	70.898
42583_2584	42583	2584	0.125	16.707	2.104	-1.773	21.807	-164.294
42584_2584	42584	2584	-0.12	18.246	-0.393	2.386	-21.807	164.472
42584_2585	42584	2585	0.12	-2.139	0.393	-2.386	26.076	-53.683
42585_2585	42585	2585	-0.119	2.139	-0.393	2.364	-26.076	53.684
42585_2586	42585	2586	0.119	15.632	0.393	-2.364	30.786	-134.597
42586_2586	42586	2586	-0.111	18.328	1.614	2.769	-30.786	134.896
42586_2587	42586	2587	0.111	-0.197	-1.614	-2.769	11.039	-21.56
42587_2587	42587	2587	-0.095	0.197	1.615	2.979	-11.039	21.532
42587_2588	42587	2588	0.095	17.761	-1.615	-2.979	-8.532	-127.961
42588_2588	42588	2588	-0.103	18.511	0.396	2.446	8.532	128.046
42588_2589	42588	2589	0.103	0.676	-0.396	-2.446	-13.658	-12.577
42589_2589	42589	2589	-0.103	-0.676	0.396	2.453	13.658	12.576
42589_2590	42589	2590	0.103	17.57	-0.396	-2.453	-18.172	-116.592
42590_2590	42590	2590	-0.1	18.209	0.449	1.618	18.172	116.516
42590_2591	42590	2591	0.1	1.511	-0.449	-1.618	-24.146	-5.402
42591_2591	42591	2591	-0.096	-1.511	0.45	1.66	24.146	5.389
42591_2592	42591	2592	0.096	17.867	-0.45	-1.66	-29.109	-112.338
42592_2592	42592	2592	-0.095	17.722	0.451	0.609	29.109	112.82
42592_2593	42592	2593	0.095	1.152	-0.451	-0.609	-34.857	-7.285
42593_2593	42593	2593	-0.094	-1.152	0.451	0.613	34.857	7.284
42593_2594	42593	2594	0.094	18.367	-0.451	-0.613	-40.101	-120.667
42594_2594	42594	2594	-0.092	17.932	0.422	-0.646	40.101	120.046
42594_2595	42594	2595	0.092	-0.355	-0.422	0.646	-45.11	-11.583
42595_2595	42595	2595	-0.087	0.355	0.423	-0.513	45.11	11.589
42595_2596	42595	2596	0.087	18.147	-0.423	0.513	-50.396	-122.673
42596_2596	42596	2596	-0.083	16.193	1.254	-1.566	50.396	122.66
42596_2597	42596	2597	0.083	1.77	-1.254	1.566	-65.596	-35.24
42597_2597	42597	2597	-0.083	-1.77	1.254	-1.555	65.596	35.24
42597_2598	42597	2598	0.083	19.888	-1.254	1.555	-80.928	-167.643
42598_2598	42598	2598	-0.085	19.998	-3.329	-2.194	80.928	167.438

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42598_2599	42598	2599	0.085	-1.128	3.329	2.194	-38.532	-32.918
42599_2599	42599	2599	-0.104	1.128	-3.329	-2.01	38.532	32.929
42599_2600	42599	2600	0.104	17.694	3.329	2.01	3.749	-138.146
42600_2600	42600	2600	-0.094	20.602	0.329	-2.265	-3.749	137.891
42600_2601	42600	2601	0.094	-3.721	-0.329	2.265	0	0.653
43000_3000	43000	3000	4.399	457.204	1.729	7.187	0	21.579
43000_3001	43000	3001	-4.399	-413.706	-1.729	-7.187	-25.793	6473.975
43001_3001	43001	3001	4.401	413.706	1.724	-0.444	25.793	-6473.98
43001_3002	43001	3002	-4.401	-383.389	-1.724	0.444	-43.717	10617.57
43002_3002	43002	3002	4.372	326.103	-1.586	15.76	43.717	-10617.8
43002_3003	43002	3003	-4.372	-290.643	1.586	-15.76	-24.427	14367.72
43003_3003	43003	3003	4.37	290.643	-1.594	-9.175	24.427	-14367.7
43003_3004	43003	3004	-4.37	-255.161	1.594	9.175	-5.032	17688.35
43004_3004	43004	3004	4.388	212.435	0.893	11.083	5.032	-17688.7
43004_3005	43004	3005	-4.388	-176.96	-0.893	-11.083	-15.902	20057.3
43005_3005	43005	3005	4.389	176.96	0.889	-7.322	15.902	-20057.3
43005_3006	43005	3006	-4.389	-141.46	-0.889	7.322	-26.73	21995.52
43006_3006	43006	3006	4.38	98.052	-0.202	20.714	26.73	-21995.9
43006_3007	43006	3007	-4.38	-62.584	0.202	-20.714	-24.279	22972.76
43007_3007	43007	3007	4.379	62.584	-0.209	-19.078	24.279	-22972.8
43007_3008	43007	3008	-4.379	-27.095	0.209	19.078	-21.735	23518.48
43008_3008	43008	3008	4.389	-15.856	0.888	8.871	21.735	-23519.1
43008_3009	43008	3009	-4.389	51.339	-0.888	-8.871	-32.545	23110.31
43009_3009	43009	3009	4.39	-51.339	0.885	-9.986	32.545	-23110.3
43009_3010	43009	3010	-4.39	86.817	-0.885	9.986	-43.31	22269.86
43010_3010	43010	3010	4.382	-130.153	-0.165	15.136	43.31	-22270.2
43010_3011	43010	3011	-4.382	165.628	0.165	-15.136	-41.297	20471.06
43011_3011	43011	3011	4.382	-165.628	-0.173	-18.289	41.297	-20471.1
43011_3012	43011	3012	-4.382	201.096	0.173	18.289	-39.197	18240.79
43012_3012	43012	3012	4.382	-243.585	-0.101	3.592	39.197	-18241.2
43012_3013	43012	3013	-4.382	279.076	0.101	-3.592	-37.965	15060.61
43013_3013	43013	3013	4.382	-279.076	-0.105	-8.702	37.965	-15060.6
43013_3014	43013	3014	-4.382	314.563	0.105	8.702	-36.689	11448.42
43014_3014	43014	3014	4.384	-355.889	0.195	1.217	36.689	-11448.6
43014_3015	43014	3015	-4.384	403.874	-0.195	-1.217	-39.895	5197.498
43015_3015	43015	3015	8.97	-403.799	0.189	-6.681	39.832	-5194.8
43015_3016	43015	3016	-9.225	426.253	-0.189	6.681	-41.386	1774.209
43016_3016	43016	3016	19.886	-475.088	-0.277	-4.139	41.359	-1775.16
43016_3017	43016	3017	-20.939	507.192	0.277	4.139	-38.103	-3999.28
43017_3017	43017	3017	35.125	-506.406	-0.283	-0.723	38.257	3999.303
43017_3018	43017	3018	-37.492	545.257	0.283	0.723	-34.52	-10977.4
43018_3018	43018	3018	57.099	-593.219	2.554	-15.867	33.269	10977.36
43018_3019	43018	3019	-60.531	631.717	-2.554	15.867	-65.29	-18663
43019_3019	43019	3019	77.945	-629.804	2.547	11.797	68.266	18663.04
43019_3020	43019	3020	-82.74	670.759	-2.547	-11.797	-100.268	-26844.5
43020_3020	43020	3020	-2492.25	206.409	-15.592	-6.104	365.818	5720.361
43020_3021	43020	3021	2492.246	-179.853	15.592	6.104	-217.793	-3886.8
43021_3021	43021	3021	-2492.27	179.853	-10.827	2.672	217.793	3870.311
43021_3022	43021	3022	2492.271	-160.276	10.827	-2.672	-133.855	-2551.9
43022_3022	43022	3022	-2492.27	160.276	-10.827	2.672	133.855	2551.895
43022_3023	43022	3023	2492.271	-140.699	10.827	-2.672	-49.918	-1385.25
43023_3023	43023	3023	-2492.31	93.787	-9.09	-0.643	49.918	1385.297
43023_3024	43023	3024	2492.305	-73.579	9.09	0.643	22.825	-715.657

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43024_3024	43024	3024	-2492.31	73.579	-9.09	-0.643	-22.825	715.657
43024_3025	43024	3025	2492.305	-53.371	9.09	0.643	95.568	-207.722
43025_3025	43025	3025	-2492.31	53.371	-6.308	-0.411	-95.568	207.723
43025_3026	43025	3026	2492.313	-33.191	6.308	0.411	145.973	138.143
43026_3026	43026	3026	-2492.3	-13.322	-5.247	-0.819	-145.973	-138.228
43026_3027	43026	3027	2492.296	28.477	5.247	0.819	177.459	12.808
43027_3027	43027	3027	-2492.3	-28.477	-1.114	-0.84	-177.459	-12.807
43027_3028	43027	3028	2492.301	43.629	1.114	0.84	184.145	-203.513
43028_3028	43028	3028	-2492.3	-43.629	-1.114	-0.84	-184.145	203.513
43028_3029	43028	3029	2492.301	58.781	1.114	0.84	190.832	-510.745
43029_3029	43029	3029	-2492.3	-58.781	3.019	0.007	-190.832	510.746
43029_3030	43029	3030	2492.3	73.93	-3.019	-0.007	172.719	-908.819
43030_3030	43030	3030	-2492.31	-120.836	1.519	-3.439	-172.719	908.772
43030_3031	43030	3031	2492.306	141.062	-1.519	3.439	160.553	-1957.55
43031_3031	43031	3031	-2492.3	-141.062	4.313	-1.245	-160.553	1957.552
43031_3032	43031	3032	2492.302	161.259	-4.313	1.245	126.06	-3166.55
43032_3032	43032	3032	-2492.3	-161.259	7.414	2.696	-126.06	3166.551
43032_3033	43032	3033	2492.295	181.455	-7.414	-2.696	66.768	-4536.92
43033_3033	43033	3033	-2492.29	-230.242	7.032	-11.063	-66.768	4537.061
43033_3034	43033	3034	2492.286	249.804	-7.032	11.063	12.292	-6396.38
43034_3034	43034	3034	-2492.26	-249.804	13.741	6.155	-12.292	6396.383
43034_3035	43034	3035	2492.258	269.387	-13.741	-6.155	-94.264	-8409.4
43035_3035	43035	3035	-2492.27	-269.387	12.314	2.138	94.264	8426.741
43035_3036	43035	3036	2492.266	295.967	-12.314	-2.138	-211.28	-11112.9
43036_3036	43036	3036	80.627	559.689	-0.558	-11.6	-9.678	33661.35
43036_3037	43036	3037	-75.833	-518.757	0.558	11.6	16.672	-26881.4
43037_3037	43037	3037	61.455	520.671	-0.571	12.159	-19.057	26881.43
43037_3038	43037	3038	-58.023	-482.174	0.571	-12.159	26.21	-20589.7
43038_3038	43038	3038	41.929	440.449	0.186	-3.89	-24.873	20590.45
43038_3039	43038	3039	-39.562	-401.613	-0.186	3.89	22.409	-15005.6
43039_3039	43039	3039	27.698	402.555	0.166	15.563	-23.033	14988.72
43039_3040	43039	3040	-26.657	-370.79	-0.166	-15.563	21.079	-10441
43040_3040	43040	3040	18.561	316.747	1.41	-3.541	-20.642	10441.58
43040_3041	43040	3041	-18.31	-294.703	-1.41	3.541	9.005	-7918.55
43041_3041	43041	3041	15.167	294.942	1.394	4.229	-9.032	7913.091
43041_3042	43041	3042	-15.167	-256.621	-1.394	-4.229	-13.295	-3497.46
43042_3042	43042	3042	15.153	211.055	-0.321	1.155	13.295	3497.551
43042_3043	43042	3043	-15.153	-182.446	0.321	-1.155	-9.458	-1145.67
43043_3043	43043	3043	15.153	182.446	-0.334	2.11	9.458	1145.67
43043_3044	43043	3044	-15.153	-153.839	0.334	-2.11	-5.471	864.095
43044_3044	43044	3044	15.159	113.562	0.233	2.68	5.471	-864.114
43044_3045	43044	3045	-15.159	-84.957	-0.233	-2.68	-8.255	2050.453
43045_3045	43045	3045	15.159	84.957	0.207	-0.88	8.255	-2050.46
43045_3046	43045	3046	-15.159	-56.332	-0.207	0.88	-10.726	2895.377
43046_3046	43046	3046	15.157	15.753	-0.077	0.166	10.726	-2895.43
43046_3047	43046	3047	-15.157	12.845	0.077	-0.166	-9.809	2912.801
43047_3047	43047	3047	15.157	-12.845	-0.078	-0.03	9.809	-2912.8
43047_3048	43047	3048	-15.157	41.466	0.078	0.03	-8.88	2588.065
43048_3048	43048	3048	15.156	-82.394	-0.215	-0.736	8.88	-2588.12
43048_3049	43048	3049	-15.156	111.009	0.215	0.736	-6.311	1431.933
43049_3049	43049	3049	15.156	-111.009	-0.214	-0.643	6.311	-1431.93
43049_3050	43049	3050	-15.156	139.601	0.214	0.643	-3.757	-64.993
43050_3050	43050	3050	15.148	-181.843	-0.774	-1.523	3.757	64.995

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43050_3051	43050	3051	-15.148	220.127	0.774	1.523	8.621	-3279.91
43051_3051	43051	3051	17.848	-219.882	-0.782	0.195	-8.616	3281.799
43051_3052	43051	3052	-18.079	240.236	0.782	-0.195	15.068	-5180.63
43052_3052	43052	3052	25.135	-288.184	0.091	-2.782	-15.158	5180.63
43052_3053	43052	3053	-26.095	317.453	-0.091	2.782	14.083	-8740.85
43053_3053	43053	3053	35.275	-316.504	0.081	3.157	-13.803	8743.369
43053_3054	43053	3054	-37.57	354.044	-0.081	-3.157	12.729	-13191.2
43054_3054	43054	3054	51.815	-398.839	2.627	-14.386	-14.23	13191.12
43054_3055	43054	3055	-55.132	435.957	-2.627	14.386	-18.707	-18429
43055_3055	43055	3055	67.265	-434.221	2.602	14.283	21.781	18429.02
43055_3056	43055	3056	-71.883	473.591	-2.602	-14.283	-54.487	-24140.6
43056_3056	43056	3056	-2038.28	269.797	-9.147	-3.148	156.697	8131.618
43056_3057	43056	3057	2038.275	-244.041	9.147	3.148	-69.777	-5690.31
43057_3057	43057	3057	-2038.29	244.041	-6.52	4.357	69.777	5657.224
43057_3058	43057	3058	2038.285	-223.503	6.52	-4.357	-19.266	-3846.08
43058_3058	43058	3058	-2038.29	223.503	-6.52	4.357	19.266	3846.082
43058_3059	43058	3059	2038.285	-202.964	6.52	-4.357	31.246	-2194.06
43059_3059	43059	3059	-2038.3	157.128	-7.028	0.191	-31.246	2194.084
43059_3060	43059	3060	2038.304	-135.899	7.028	-0.191	87.522	-1020.87
43060_3060	43060	3060	-2038.31	135.899	-4.653	1.38	-87.522	1020.868
43060_3061	43060	3061	2038.31	-114.7	4.653	-1.38	124.734	-18.857
43061_3061	43061	3061	-2038.31	114.7	-4.653	1.38	-124.734	18.857
43061_3062	43061	3062	2038.31	-93.5	4.653	-1.38	161.946	813.62
43062_3062	43062	3062	-2038.3	49.052	0.735	1.319	-161.946	-813.68
43062_3063	43062	3063	2038.299	-33.141	-0.735	-1.319	157.535	1060.343
43063_3063	43063	3063	-2038.3	33.141	0.735	1.319	-157.535	-1060.34
43063_3064	43063	3064	2038.299	-17.229	-0.735	-1.319	153.124	1211.504
43064_3064	43064	3064	-2038.3	17.229	0.735	1.319	-153.124	-1211.5
43064_3065	43064	3065	2038.299	-1.318	-0.735	-1.319	148.713	1267.164
43065_3065	43065	3065	-2038.3	1.318	3.915	-0.657	-148.713	-1267.17
43065_3066	43065	3066	2038.295	14.566	-3.915	0.657	125.258	1227.478
43066_3066	43066	3066	-2038.29	-59.173	5.015	0.683	-125.258	-1227.58
43066_3067	43066	3067	2038.291	80.394	-5.015	-0.683	85.116	668.965
43067_3067	43067	3067	-2038.29	-80.394	5.015	0.683	-85.116	-668.965
43067_3068	43067	3068	2038.291	101.616	-5.015	-0.683	44.973	-59.53
43068_3068	43068	3068	-2038.27	-101.616	9.949	0.827	-44.973	59.528
43068_3069	43068	3069	2038.273	122.807	-9.949	-0.827	-34.554	-956.527
43069_3069	43069	3069	-2038.27	-167.328	9.403	-3.85	34.554	956.539
43069_3070	43069	3070	2038.272	187.883	-9.403	3.85	-107.464	-2333.63
43070_3070	43070	3070	-2038.26	-187.883	11.875	-1.021	107.464	2333.636
43070_3071	43070	3071	2038.259	208.41	-11.875	1.021	-199.411	-3867.9
43071_3071	43071	3071	-2038.24	-208.41	14.542	4.576	199.411	3897.34
43071_3072	43071	3072	2038.242	234.174	-14.542	-4.576	-337.634	-6000.8
43072_3072	43072	3072	77.89	511.523	-1.872	-3.568	60.932	21714.38
43072_3073	43072	3073	-73.272	-472.155	1.872	3.568	-37.411	-15526.7
43073_3073	43073	3073	60.172	474.023	-1.886	7.766	36.127	15526.7
43073_3074	43073	3074	-56.855	-436.914	1.886	-7.766	-12.486	-9812.83
43074_3074	43074	3074	42.026	396.945	-0.082	3.73	12.967	9813.19
43074_3075	43074	3075	-39.732	-359.393	0.082	-3.73	-11.874	-4794.93
43075_3075	43075	3075	28.825	360.452	-0.112	10.498	11.794	4795.981
43075_3076	43075	3076	-27.897	-332.129	0.112	-10.498	-10.476	-723.466
43076_3076	43076	3076	20.576	283.055	1.122	2.156	10.67	723.688
43076_3077	43076	3077	-20.352	-263.401	-1.122	-2.156	-19.92	1528.128

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43077_3077	43077	3077	17.489	263.649	1.087	-0.738	19.962	-1532.45
43077_3078	43077	3078	-17.489	-226.863	-1.087	0.738	-35.781	5100.515
43078_3078	43078	3078	17.478	187.66	-0.285	1.708	35.781	-5100.63
43078_3079	43078	3079	-17.478	-159.257	0.285	-1.708	-32.581	7049.091
43079_3079	43079	3079	17.478	159.257	-0.285	1.708	32.581	-7049.09
43079_3080	43079	3080	-17.478	-130.853	0.285	-1.708	-29.382	8678.49
43080_3080	43080	3080	17.477	94.966	-0.263	5.092	29.382	-8678.66
43080_3081	43080	3081	-17.477	-66.539	0.263	-5.092	-26.427	9586.482
43081_3081	43081	3081	17.476	66.539	-0.278	-3.039	26.427	-9586.48
43081_3082	43081	3082	-17.476	-38.139	0.278	3.039	-23.309	10174.34
43082_3082	43082	3082	17.477	-0.46	-0.17	4.514	23.309	-10174.5
43082_3083	43082	3083	-17.477	30.984	0.17	-4.514	-21.252	9984.734
43083_3083	43083	3083	17.477	-30.984	-0.186	-4.105	21.252	-9984.73
43083_3084	43083	3084	-17.477	61.533	0.186	4.105	-19.01	9425.874
43084_3084	43084	3084	17.478	-100.175	-0.133	3.149	19.01	-9426.03
43084_3085	43084	3085	-17.478	128.571	0.133	-3.149	-17.519	8141.637
43085_3085	43085	3085	17.477	-128.571	-0.149	-4.391	17.519	-8141.64
43085_3086	43085	3086	-17.477	156.991	0.149	4.391	-15.845	6536.859
43086_3086	43086	3086	17.475	-194.134	-0.365	0.508	15.845	-6537.01
43086_3087	43086	3087	-17.475	222.552	0.365	-0.508	-11.74	4195.517
43087_3087	43087	3087	17.475	-222.552	-0.38	-3.079	11.74	-4195.52
43087_3088	43087	3088	-17.475	250.944	0.38	3.079	-7.472	1537.251
43088_3088	43088	3088	17.472	-288.549	-0.738	-2.7	7.472	-1537.27
43088_3089	43088	3089	-17.472	323.923	0.738	2.7	2.854	-2746.87
43089_3089	43089	3089	21.24	-323.672	-0.753	-0.248	-2.853	2753.109
43089_3090	43089	3090	-21.476	344.481	0.753	0.248	9.066	-5511.19
43090_3090	43090	3090	30.427	-388.004	-1.035	-6.646	-9.27	5511.211
43090_3091	43090	3091	-31.408	417.902	1.035	6.646	21.434	-10246.9
43091_3091	43091	3091	43.245	-416.797	-1.051	2.854	-21.058	10246.01
43091_3092	43091	3092	-45.495	453.723	1.051	-2.854	35.006	-16021.5
43092_3092	43092	3092	62.389	-498.534	2.472	-10.063	-36.119	16021.4
43092_3093	43092	3093	-65.646	535.078	-2.472	10.063	5.105	-22508.8
43093_3093	43093	3093	80.486	-533.029	2.459	7.357	-3.346	22508.77
43093_3094	43093	3094	-85.027	571.8	-2.459	-7.357	-27.549	-29456.9
43094_3094	43094	3094	-2350.16	239.383	-7.11	-8.059	63.55	8771.402
43094_3095	43094	3095	2350.157	-214.067	7.11	8.059	4.031	-6616.51
43095_3095	43095	3095	-2350.17	214.067	-2.173	5.969	-4.031	6618.75
43095_3096	43095	3096	2350.167	-194.035	2.173	-5.969	20.86	-5038.76
43096_3096	43096	3096	-2350.17	194.035	-2.087	6.153	-20.86	5038.757
43096_3097	43096	3097	2350.167	-173.977	2.087	-6.153	37.043	-3612.14
43097_3097	43097	3097	-2350.18	130.056	-2.362	-2.241	-37.043	3612.191
43097_3098	43097	3098	2350.18	-109.351	2.362	2.241	55.944	-2654.2
43098_3098	43098	3098	-2350.18	109.351	0.497	0.987	-55.944	2654.203
43098_3099	43098	3099	2350.181	-88.673	-0.497	-0.987	51.973	-1862.83
43099_3099	43099	3099	-2350.18	88.673	0.574	1.049	-51.973	1862.825
43099_3100	43099	3100	2350.181	-67.969	-0.574	-1.049	47.379	-1236.04
43100_3100	43100	3100	-2350.14	24.898	8.879	4.124	-47.379	1236.016
43100_3101	43100	3101	2350.136	-9.37	-8.879	-4.124	-5.909	-1133.18
43101_3101	43101	3101	-2350.14	9.37	8.879	4.124	5.909	1133.18
43101_3102	43101	3102	2350.136	6.157	-8.879	-4.124	-59.198	-1123.54
43102_3102	43102	3102	-2350.13	-6.157	-10.82	-5.293	59.198	1123.534
43102_3103	43102	3103	2350.127	21.663	10.82	5.293	5.648	-1206.9
43103_3103	43103	3103	-2350.14	-21.663	-6.776	-3.217	-5.648	1206.91

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43103_3104	43103	3104	2350.143	37.193	6.776	3.217	46.327	-1383.57
43104_3104	43104	3104	-2350.14	-80.335	-1.673	-1.804	-46.327	1383.57
43104_3105	43104	3105	2350.139	101.042	1.673	1.804	59.717	-2109.43
43105_3105	43105	3105	-2350.14	-101.042	1.174	0.751	-59.717	2109.432
43105_3106	43105	3106	2350.139	121.722	-1.174	-0.751	50.333	-2999.78
43106_3106	43106	3106	-2350.14	-121.722	1.262	0.863	-50.333	2999.776
43106_3107	43106	3107	2350.139	142.428	-1.262	-0.863	40.232	-4056.86
43107_3107	43107	3107	-2350.14	-185.809	4.186	-3.427	-40.232	4056.912
43107_3108	43107	3108	2350.137	205.867	-4.186	3.427	7.776	-5575.27
43108_3108	43108	3108	-2350.14	-205.867	4.1	-3.631	-7.776	5575.267
43108_3109	43108	3109	2350.137	225.899	-4.1	3.631	-23.972	-7246.88
43109_3109	43109	3109	-2350.13	-225.899	6.578	4.214	23.972	7243.897
43109_3110	43109	3110	2350.132	251.213	-6.578	-4.214	-86.49	-9511.03
43110_3110	43110	3110	94.275	554.519	-2.324	-18.038	42.301	30446.84
43110_3111	43110	3111	-89.734	-515.754	2.324	18.038	-13.107	-23717.6
43111_3111	43111	3111	75.408	518.061	-2.371	19.864	9.132	23717.57
43111_3112	43111	3112	-72.151	-481.524	2.371	-19.864	20.604	-17445.5
43112_3112	43112	3112	56.165	442.324	0.834	-1.865	-18.675	17445.87
43112_3113	43112	3113	-53.915	-405.38	-0.834	1.865	7.602	-11819.5
43113_3113	43113	3113	41.876	406.806	0.798	12.423	-8.044	11821.85
43113_3114	43113	3114	-40.905	-377.217	-0.798	-12.423	-1.33	-7216.67
43114_3114	43114	3114	32.65	329.133	0.607	2.212	1.624	7216.849
43114_3115	43114	3115	-32.416	-308.543	-0.607	-2.212	-6.636	-4585.78
43115_3115	43115	3115	29.084	308.918	0.61	1.691	6.653	4575.07
43115_3116	43115	3116	-29.084	-274.771	-0.61	-1.691	-15.496	-342.421
43116_3116	43116	3116	29.084	235.602	-0.343	3.879	15.496	342.405
43116_3117	43116	3117	-29.084	-209.133	0.343	-3.879	-11.637	2157.443
43117_3117	43117	3117	29.084	209.133	-0.395	0.074	11.637	-2157.45
43117_3118	43117	3118	-29.084	-182.69	0.395	-0.074	-7.204	4357.848
43118_3118	43118	3118	29.085	147.68	0.12	6.686	7.204	-4357.86
43118_3119	43118	3119	-29.085	-121.236	-0.12	-6.686	-8.553	5868.047
43119_3119	43119	3119	29.085	121.236	0.068	-3.762	8.553	-5868.05
43119_3120	43119	3120	-29.085	-94.793	-0.068	3.762	-9.32	7081.195
43120_3120	43120	3120	29.084	57.227	-0.23	3.836	9.32	-7081.18
43120_3121	43120	3121	-29.084	-28.806	0.23	-3.836	-6.541	7600.448
43121_3121	43121	3121	29.084	28.806	-0.254	-2.46	6.541	-7600.45
43121_3122	43121	3122	-29.084	-0.386	0.254	2.46	-3.471	7776.641
43122_3122	43122	3122	29.084	-37.68	-0.033	2.999	3.471	-7776.64
43122_3123	43122	3123	-29.084	64.122	0.033	-2.999	-3.099	7204.983
43123_3123	43123	3123	29.084	-64.122	-0.059	-3.484	3.099	-7204.98
43123_3124	43123	3124	-29.084	90.587	0.059	3.484	-2.433	6335.469
43124_3124	43124	3124	29.084	-127.941	-0.322	3.145	2.433	-6335.47
43124_3125	43124	3125	-29.084	154.383	0.322	-3.145	1.187	4750.145
43125_3125	43125	3125	29.083	-154.383	-0.374	-5.314	-1.187	-4750.14
43125_3126	43125	3126	-29.083	180.824	0.374	5.314	5.389	2867.901
43126_3126	43126	3126	29.079	-219.241	-0.604	-1.911	-5.389	-2867.93
43126_3127	43126	3127	-29.079	251.756	0.604	1.911	13.728	-384.392
43127_3127	43127	3127	32.083	-251.38	-0.638	-1.153	-13.738	393.009
43127_3128	43127	3128	-32.297	270.284	0.638	1.153	19.003	-2545.01
43128_3128	43128	3128	39.883	-317.561	-2.843	-7.415	-19.221	2544.88
43128_3129	43128	3129	-40.776	344.771	2.843	7.415	52.641	-6437.89
43129_3129	43129	3129	50.595	-343.415	-2.904	7.897	-51.975	6434.278
43129_3130	43129	3130	-52.774	379.185	2.904	-7.897	90.498	-11229.1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43130_3130	43130	3130	67.622	-423.755	7.978	-6.269	-91.695	11228.99
43130_3131	43130	3131	-70.781	459.184	-7.978	6.269	-8.305	-16767.9
43131_3131	43131	3131	87.252	-456.316	7.958	4.934	9.532	16767.88
43131_3132	43131	3132	-91.665	491.529	-7.958	-4.934	-103.015	-22345.3
43132_3132	43132	3132	-2050.09	218.425	15.116	13.815	-128.414	6321.898
43132_3133	43132	3133	2050.094	-191.894	-15.116	-13.815	-27.276	-4208.76
43133_3133	43133	3133	-2050.11	191.894	12.47	10.803	27.276	4235.267
43133_3134	43133	3134	2050.111	-173.643	-12.47	-10.803	-123.921	-2818.81
43134_3134	43134	3134	-2050.12	173.643	-11.234	-21.79	123.921	2818.746
43134_3135	43134	3135	2050.118	-155.32	11.234	21.79	-36.511	-1538.97
43135_3135	43135	3135	-2050.38	114.87	0.334	0.006	36.511	1539.392
43135_3136	43135	3136	2050.382	-96.029	-0.334	-0.006	-39.186	-695.685
43136_3136	43136	3136	-2050.38	96.029	0.334	0.006	39.186	695.685
43136_3137	43136	3137	2050.382	-77.187	-0.334	-0.006	-41.861	-2.732
43137_3137	43137	3137	-2050.38	77.187	2.858	0.009	41.861	2.732
43137_3138	43137	3138	2050.38	-58.369	-2.858	-0.009	-64.701	538.873
43138_3138	43138	3138	-2050.34	17.507	-3.086	0.294	64.701	-538.958
43138_3139	43138	3139	2050.338	-3.376	3.086	-0.294	-46.183	601.617
43139_3139	43139	3139	-2050.34	3.376	-3.086	0.294	46.183	-601.617
43139_3140	43139	3140	2050.338	10.755	3.086	-0.294	-27.664	579.476
43140_3140	43140	3140	-2050.34	-10.755	0.33	-0.671	27.664	-579.475
43140_3141	43140	3141	2050.34	24.887	-0.33	0.671	-29.646	472.537
43141_3141	43141	3141	-2050.34	-24.887	-3.086	0.116	29.646	-472.538
43141_3142	43141	3142	2050.338	39.018	3.086	-0.116	-11.128	280.797
43142_3142	43142	3142	-2050.34	-81.084	-2.353	-0.037	11.128	-280.875
43142_3143	43142	3143	2050.339	99.926	2.353	0.037	7.696	-443.257
43143_3143	43143	3143	-2050.34	-99.926	0.21	0.517	-7.696	443.257
43143_3144	43143	3144	2050.34	118.767	-0.21	-0.517	6.018	-1318.13
43144_3144	43144	3144	-2050.34	-118.767	-2.353	-1.13	-6.018	1318.125
43144_3145	43144	3145	2050.339	137.609	2.353	1.13	24.841	-2343.76
43145_3145	43145	3145	-2050.37	-181.645	1.156	0.772	-24.841	2343.765
43145_3146	43145	3146	2050.368	199.898	-1.156	-0.772	15.884	-3822.42
43146_3146	43146	3146	-2050.37	-199.898	-1.489	-4.159	-15.884	3822.422
43146_3147	43146	3147	2050.368	218.151	1.489	4.159	27.429	-5442.59
43147_3147	43147	3147	-2050.37	-218.151	0.529	1.921	-27.429	5419.438
43147_3148	43147	3148	2050.368	242.625	-0.529	-1.921	22.402	-7608.4
43148_3148	43148	3148	105.83	477.731	-1.363	0.676	1.639	24354.93
43148_3149	43148	3149	-101.418	-440.07	1.363	-0.676	15.479	-18585.7
43149_3149	43149	3149	89.165	442.722	-1.364	1.326	-15.479	18585.68
43149_3150	43149	3150	-86.006	-407.289	1.364	-1.326	32.58	-13253.2
43150_3150	43150	3150	71.913	366.671	-0.107	1.073	-32.48	13253.13
43150_3151	43150	3151	-69.734	-330.896	0.107	-1.073	33.902	-8624.1
43151_3151	43151	3151	59.583	332.783	-0.091	0.778	-33.826	8626.98
43151_3152	43151	3152	-58.666	-304.827	0.091	-0.778	34.893	-4879.18
43152_3152	43152	3152	51.934	253.694	1.568	1.792	-34.878	4879.152
43152_3153	43152	3153	-51.713	-234.267	-1.568	-1.792	21.942	-2866.01
43153_3153	43153	3153	49.232	234.851	1.58	1.096	-21.929	2865.554
43153_3154	43153	3154	-49.232	-203.497	-1.58	-1.096	0.215	146.278
43154_3154	43154	3154	49.256	161.404	0.01	2.081	-0.215	-146.264
43154_3155	43154	3155	-49.256	-136.302	-0.01	-2.081	0.1	1783.861
43155_3155	43155	3155	49.256	136.302	-0.034	0.459	-0.1	-1783.86
43155_3156	43155	3156	-49.256	-111.2	0.034	-0.459	0.477	3145.285
43156_3156	43156	3156	49.249	75.307	0.423	0.652	-0.477	-3145.31

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43156_3157	43156	3157	-49.249	-52.465	-0.423	-0.652	-3.759	3784.887
43157_3157	43157	3157	49.249	52.465	0.423	0.652	3.759	-3784.89
43157_3158	43157	3158	-49.249	-29.622	-0.423	-0.652	-7.995	4195.784
43158_3158	43158	3158	49.257	-3.863	-0.146	-0.107	7.995	-4195.8
43158_3159	43158	3159	-49.257	26.706	0.146	0.107	-6.531	4042.778
43159_3159	43159	3159	49.257	-26.706	-0.147	-0.171	6.531	-4042.78
43159_3160	43159	3160	-49.257	49.571	0.147	0.171	-5.057	3660.58
43160_3160	43160	3160	49.262	-86.953	-0.343	0.244	5.057	-3660.58
43160_3161	43160	3161	-49.262	112.032	0.343	-0.244	-1.29	2567.01
43161_3161	43161	3161	49.261	-112.032	-0.388	-2.127	1.29	-2567.01
43161_3162	43161	3162	-49.261	137.133	0.388	2.127	2.982	1196.439
43162_3162	43162	3162	49.259	-177.371	-0.191	-0.921	-2.982	-1196.43
43162_3163	43162	3163	-49.259	208.748	0.191	0.921	5.612	-1458.47
43163_3163	43163	3163	51.784	-208.161	-0.143	-2.351	-5.632	1458.699
43163_3164	43163	3164	-52.005	227.565	0.143	2.351	6.806	-3254.22
43164_3164	43164	3164	58.741	-276.371	-1.293	0.392	-6.763	3254.071
43164_3165	43164	3165	-59.657	304.328	1.293	-0.392	21.963	-6667.59
43165_3165	43165	3165	68.376	-302.455	-1.267	-3.514	-22.202	6659.811
43165_3166	43165	3166	-70.584	338.697	1.267	3.514	39.014	-10914.6
43166_3166	43166	3166	84.839	-389.335	2.087	-1.713	-39.003	10914.66
43166_3167	43166	3167	-88.038	425.209	-2.087	1.713	12.835	-16025.1
43167_3167	43167	3167	99.816	-422.595	2.087	-1.385	-12.876	16025.08
43167_3168	43167	3168	-104.28	460.726	-2.087	1.385	-13.353	-21582.6
43168_3168	43168	3168	-1964.47	245.622	-6.453	-3.937	106.292	6762.876
43168_3169	43168	3169	1964.471	-220.813	6.453	3.937	-44.983	-4547
43169_3169	43169	3169	-1964.48	220.813	-3.785	3.263	44.983	4572.691
43169_3170	43169	3170	1964.478	-202.057	3.785	-3.263	-15.645	-2933.87
43170_3170	43170	3170	-1964.48	202.057	-3.785	3.263	15.645	2933.874
43170_3171	43170	3171	1964.478	-183.3	3.785	-3.263	13.693	-1440.44
43171_3171	43171	3171	-1964.57	136.075	0.016	0.226	-13.693	1440.507
43171_3172	43171	3172	1964.568	-116.737	-0.016	-0.226	13.562	-430.389
43172_3172	43172	3172	-1964.57	116.737	0.056	0.235	-13.562	430.389
43172_3173	43172	3173	1964.568	-97.376	-0.056	-0.235	13.112	426.177
43173_3173	43173	3173	-1964.57	97.376	0.056	0.235	-13.112	-426.177
43173_3174	43173	3174	1964.568	-78.014	-0.056	-0.235	12.661	1127.829
43174_3174	43174	3174	-1964.56	33.584	1.997	-0.97	-12.661	-1127.91
43174_3175	43174	3175	1964.56	-19.063	-1.997	0.97	0.679	1285.872
43175_3175	43175	3175	-1964.56	19.063	-1.277	1.172	-0.679	-1285.87
43175_3176	43175	3176	1964.561	-4.542	1.277	-1.172	8.34	1356.697
43176_3176	43176	3176	-1964.56	4.542	1.997	-1.088	-8.34	-1356.7
43176_3177	43176	3177	1964.56	9.979	-1.997	1.088	-3.642	1340.384
43177_3177	43177	3177	-1964.56	-9.979	-1.277	1.145	3.642	-1340.38
43177_3178	43177	3178	1964.561	24.5	1.277	-1.145	4.019	1236.931
43178_3178	43178	3178	-1964.56	-69.399	-0.827	-0.231	-4.019	-1236.94
43178_3179	43178	3179	1964.556	88.76	0.827	0.231	10.638	604.223
43179_3179	43179	3179	-1964.56	-88.76	-0.827	-0.231	-10.638	-604.223
43179_3180	43179	3180	1964.556	108.122	0.827	0.231	17.258	-183.411
43180_3180	43180	3180	-1964.56	-108.122	1.628	-0.001	-17.258	183.411
43180_3181	43180	3181	1964.555	127.483	-1.628	0.001	4.235	-1125.94
43181_3181	43181	3181	-1964.64	-174.303	2.915	-3.058	-4.235	1126.019
43181_3182	43181	3182	1964.643	193.036	-2.915	3.058	-18.327	-2547.82
43182_3182	43182	3182	-1964.64	-193.036	5.492	0.284	18.327	2547.822
43182_3183	43182	3183	1964.637	211.792	-5.492	-0.284	-60.892	-4116.72

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43183_3183	43183	3183	-1964.64	-211.792	4.891	-0.017	60.892	4096.112
43183_3184	43183	3184	1964.639	236.6	-4.891	0.017	-107.365	-6226.24
43184_3184	43184	3184	101.574	471.866	-2.32	1.256	22.022	20969.82
43184_3185	43184	3185	-97.11	-433.736	2.32	-1.256	7.128	-15272.7
43185_3185	43185	3185	85.069	436.269	-2.32	1.446	-7.093	15272.72
43185_3186	43185	3186	-81.87	-400.396	2.32	-1.446	36.176	-10023.9
43186_3186	43186	3186	67.687	355.569	0.541	0.937	-36.053	10023.87
43186_3187	43186	3187	-65.479	-319.327	-0.541	-0.937	28.879	-5545.31
43187_3187	43187	3187	55.581	321.181	0.556	-0.348	-28.802	5563.238
43187_3188	43187	3188	-54.623	-291.958	-0.556	0.348	22.273	-1959.3
43188_3188	43188	3188	48.172	237.206	0.855	1.044	-22.278	1959.306
43188_3189	43188	3189	-47.941	-216.89	-0.855	-1.044	15.226	-85.877
43189_3189	43189	3189	45.662	217.421	0.866	1.001	-15.221	92.647
43189_3190	43189	3190	-45.662	-183.186	-0.866	-1.001	3.316	2659.88
43190_3190	43190	3190	45.671	139.84	0.282	0.735	-3.316	-2659.9
43190_3191	43190	3191	-45.671	-112.432	-0.282	-0.735	0.217	4047.579
43191_3191	43191	3191	45.671	112.432	0.282	0.735	-0.217	-4047.58
43191_3192	43191	3192	-45.671	-85.023	-0.282	-0.735	-2.882	5133.729
43192_3192	43192	3192	45.671	45.673	0.282	-0.052	2.882	-5133.7
43192_3193	43192	3193	-45.671	-20.582	-0.282	0.052	-5.72	5467.342
43193_3193	43193	3193	45.671	20.582	0.282	-0.052	5.72	-5467.34
43193_3194	43193	3194	-45.671	4.509	-0.282	0.052	-8.558	5548.283
43194_3194	43194	3194	45.702	-40.659	-1.398	-0.966	8.558	-5548.3
43194_3195	43194	3195	-45.702	65.75	1.398	0.966	5.519	5012.459
43195_3195	43195	3195	45.702	-65.75	-1.398	-0.966	-5.519	-5012.46
43195_3196	43195	3196	-45.702	90.841	1.398	0.966	19.596	4223.92
43196_3196	43196	3196	45.665	-129.858	0.144	-3.058	-19.596	-4223.91
43196_3197	43196	3197	-45.665	157.241	-0.144	3.058	18.015	2646.115
43197_3197	43197	3197	45.665	-157.241	0.185	-0.69	-18.015	-2646.12
43197_3198	43197	3198	-45.665	184.65	-0.185	0.69	15.982	765.466
43198_3198	43198	3198	45.685	-226.401	-0.734	-2.28	-15.982	-765.499
43198_3199	43198	3199	-45.685	260.661	0.734	2.28	26.075	-2583.48
43199_3199	43199	3199	48.876	-260.112	-0.745	-1.624	-26.087	2570.325
43199_3200	43199	3200	-49.121	281.269	0.745	1.624	32.234	-4803.91
43200_3200	43200	3200	57.199	-330.801	-0.442	-2.719	-32.299	4803.911
43200_3201	43200	3201	-58.216	361.196	0.442	2.719	37.488	-8868.43
43201_3201	43201	3201	68.636	-359.345	-0.457	0.136	-37.415	8862.359
43201_3202	43201	3202	-71.138	399.853	0.457	-0.136	43.478	-13901.1
43202_3202	43202	3202	87.168	-449.239	2.579	-1.446	-43.651	13901.07
43202_3203	43202	3203	-90.766	489.138	-2.579	1.446	11.32	-19789.3
43203_3203	43203	3203	104.369	-486.42	2.579	-1.219	-11.354	19789.3
43203_3204	43203	3204	-109.351	528.576	-2.579	1.219	-21.052	-26176.6
43204_3204	43204	3204	-2210.12	271.924	-1.226	3.277	35.382	8719.359
43204_3205	43204	3205	2210.123	-244.057	1.226	-3.277	-23.73	-6268.14
43205_3205	43205	3205	-2210.12	244.057	-3.402	-2.067	23.73	6020.592
43205_3206	43205	3206	2210.121	-222.805	3.402	2.067	2.64	-4211.25
43206_3206	43206	3206	-2210.12	222.805	-0.551	3.366	-2.64	4211.247
43206_3207	43206	3207	2210.123	-201.553	0.551	-3.366	6.911	-2566.66
43207_3207	43207	3207	-2210.08	150.613	-4.086	0.806	-6.911	2566.728
43207_3208	43207	3208	2210.079	-128.675	4.086	-0.806	39.606	-1449.43
43208_3208	43208	3208	-2210.08	128.675	-4.131	0.777	-39.606	1449.428
43208_3209	43208	3209	2210.079	-106.765	4.131	-0.777	72.619	-508.72
43209_3209	43209	3209	-2210.08	106.765	-1.324	1.423	-72.619	508.719

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43209_3210	43209	3210	2210.082	-84.828	1.324	-1.423	83.216	257.738
43210_3210	43210	3210	-2210.13	34.546	-2.345	1.131	-83.216	-257.864
43210_3211	43210	3211	2210.132	-18.093	2.345	-1.131	97.288	415.804
43211_3211	43211	3211	-2210.13	18.093	-2.345	1.131	-97.288	-415.804
43211_3212	43211	3212	2210.132	-1.64	2.345	-1.131	111.359	475.009
43212_3212	43212	3212	-2210.13	1.64	1.338	0.339	-111.359	-475.011
43212_3213	43212	3213	2210.132	14.813	-1.338	-0.339	103.332	435.485
43213_3213	43213	3213	-2210.13	-14.813	-2.345	1.065	-103.332	-435.483
43213_3214	43213	3214	2210.132	31.267	2.345	-1.065	117.404	297.224
43214_3214	43214	3214	-2210.24	-81.742	6.623	1.065	-117.404	-297.226
43214_3215	43214	3215	2210.243	103.679	-6.623	-1.065	64.414	-444.543
43215_3215	43215	3215	-2210.25	-103.679	3.861	0.509	-64.414	444.544
43215_3216	43215	3216	2210.249	125.617	-3.861	-0.509	33.524	-1361.85
43216_3216	43216	3216	-2210.25	-125.617	3.861	0.509	-33.524	1361.851
43216_3217	43216	3217	2210.249	147.555	-3.861	-0.509	2.633	-2454.68
43217_3217	43217	3217	-2210.27	-197.637	6.796	-5.259	-2.633	2454.595
43217_3218	43217	3218	2210.272	218.889	-6.796	5.259	-50.039	-4068.83
43218_3218	43218	3218	-2210.28	-218.889	3.944	-10.508	50.039	4068.816
43218_3219	43218	3219	2210.279	240.141	-3.944	10.508	-80.611	-5847.81
43219_3219	43219	3219	-2210.24	-240.141	13.069	15.716	80.611	6102.788
43219_3220	43219	3220	2210.244	267.978	-13.069	-15.716	-204.648	-8514.01
43220_3220	43220	3220	103.099	543.752	-3.298	-28.541	59.398	25957.93
43220_3221	43220	3221	-98.117	-501.601	3.298	28.541	-17.942	-19381.1
43221_3221	43221	3221	84.151	504.143	-3.42	32.716	11.345	19381.14
43221_3222	43221	3222	-80.552	-464.249	3.42	-32.716	31.545	-13305.8
43222_3222	43222	3222	64.434	419.593	5.089	-1.808	-28.378	13305.31
43222_3223	43222	3223	-61.932	-379.09	-5.089	1.808	-39.156	-8005.41
43223_3223	43223	3223	50.107	380.896	4.89	30.273	38.293	8036.185
43223_3224	43223	3224	-49.038	-348.892	-4.89	-30.273	-95.765	-3746.93
43224_3224	43224	3224	41.29	289.374	-2.93	-3.879	96.38	3746.969
43224_3225	43224	3225	-41.032	-267.104	2.93	3.879	-72.204	-1451.36
43225_3225	43225	3225	38.164	267.533	-3.108	2.281	72.233	1455.628
43225_3226	43225	3226	-38.164	-222.984	3.108	-2.281	-22.719	2451.617
43226_3226	43226	3226	38.107	174.366	1.264	10.65	22.719	-2451.47
43226_3227	43226	3227	-38.107	-140.526	-1.264	-10.65	-38.017	4356.806
43227_3227	43227	3227	38.112	140.526	1.106	-7.419	38.017	-4356.81
43227_3228	43227	3228	-38.112	-106.712	-1.106	7.419	-51.393	5851.66
43228_3228	43228	3228	38.173	60.144	-1.595	13.876	51.393	-5850.68
43228_3229	43228	3229	-38.173	-24.211	1.595	-13.876	-32.104	6360.739
43229_3229	43229	3229	38.166	24.211	-1.753	-12.413	32.104	-6360.74
43229_3230	43229	3230	-38.166	11.727	1.753	12.413	-10.905	6436.235
43230_3230	43230	3230	38.073	-57.425	0.718	10.234	10.905	-6434.78
43230_3231	43230	3231	-38.073	93.87	-0.718	-10.234	-19.712	5506.917
43231_3231	43231	3231	38.076	-93.87	0.562	-12.355	19.712	-5506.91
43231_3232	43231	3232	-38.076	130.291	-0.562	12.355	-26.598	4133.12
43232_3232	43232	3232	37.837	-181.902	8.029	0.946	26.598	-4132.07
43232_3233	43232	3233	-37.837	205.185	-8.029	-0.946	-89.511	2615.514
43233_3233	43233	3233	37.841	-205.185	8.006	-0.652	89.511	-2615.51
43233_3234	43233	3234	-37.841	227.339	-8.006	0.652	-149.2	1003.142
43234_3234	43234	3234	40.723	-226.905	7.899	-4.892	149.149	-1003.14
43234_3235	43234	3235	-41.033	253.791	-7.899	4.892	-219.195	-1128.32
43235_3235	43235	3235	47.299	-305.371	-4.109	-7.473	219.121	1128.204
43235_3236	43235	3236	-47.79	323.235	4.109	7.473	-195.013	-2972.6

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43236_3236	43236	3236	51.887	-322.575	-4.158	-1.917	195.181	2958.275
43236_3237	43236	3237	-52.545	339.294	4.158	1.917	-173.289	-4702.31
43237_3237	43237	3237	58.353	-338.348	-4.269	5.472	173.864	4701.711
43237_3238	43237	3238	-60.447	375.391	4.269	-5.472	-131.578	-8240.87
43238_3238	43238	3238	72.637	-419.546	-8.873	-15.485	130.245	8238.475
43238_3239	43238	3239	-75.734	458.977	8.873	15.485	-38.894	-12765.2
43239_3239	43239	3239	86.393	-457.104	-8.963	12.937	41.61	12765.17
43239_3240	43239	3240	-90.738	499.833	8.963	-12.937	55.151	-17938
43240_3240	43240	3240	104.657	-521.941	-24.73	-42.603	-61.476	17929.29
43240_3241	43240	3241	-108.318	552.056	24.73	42.603	244.173	-21891
43241_3241	43241	3241	-2181.01	352.112	-6.186	7.62	306.693	7571.344
43241_3242	43241	3242	2181.005	-317.6	6.186	-7.62	-247.951	-4391.38
43242_3242	43242	3242	-2181.01	317.6	1.618	22.718	247.951	4400.185
43242_3243	43242	3243	2181.013	-290.098	-1.618	-22.718	-260.372	-2068.14
43243_3243	43243	3243	-2178.12	228.362	-37.549	0.953	260.372	2066.377
43243_3244	43243	3244	2178.119	-194.249	37.549	-0.953	97.104	-54.702
43244_3244	43244	3244	-2178.2	194.249	-32.784	1.073	-97.104	54.7
43244_3245	43244	3245	2178.196	-158.048	32.784	-1.073	428.321	1724.915
43245_3245	43245	3245	-2179.09	110.53	-12.459	6.612	-428.321	-1724.17
43245_3246	43245	3246	2179.093	-74.897	12.459	-6.612	552.226	2646.172
43246_3246	43246	3246	-2179.13	74.897	-3.687	-4.04	-552.226	-2646.18
43246_3247	43246	3247	2179.125	-40.222	3.687	4.04	587.905	3203.17
43247_3247	43247	3247	-2179.14	-10.05	0.425	6.74	-587.905	-3202.31
43247_3248	43247	3248	2179.139	42.968	-0.425	-6.74	584.004	2958.777
43248_3248	43248	3248	-2179.13	-42.968	7.764	-3.225	-584.004	-2958.78
43248_3249	43248	3249	2179.125	80.352	-7.764	3.225	503.005	2315.475
43249_3249	43249	3249	-2177.65	-122.599	-18.437	1.597	-503.005	-2314.97
43249_3250	43249	3250	2177.648	159.236	18.437	-1.597	691.517	874.15
43250_3250	43250	3250	-2177.69	-159.236	-12.068	-0.959	-691.517	-874.151
43250_3251	43250	3251	2177.693	192.933	12.068	0.959	805.01	-781.763
43251_3251	43251	3251	-2181.14	-234.266	78.461	-7.988	-805.01	781.355
43251_3252	43251	3252	2181.144	264.375	-78.461	7.988	145.727	-2876.31
43252_3252	43252	3252	-2180.87	-264.375	85.741	1.613	-145.727	2876.316
43252_3253	43252	3253	2180.87	294.564	-85.741	-1.613	-576.664	-5230.92
43253_3253	43253	3253	-2180.76	-294.564	88.504	8.242	576.664	5229.777
43253_3254	43253	3254	2180.76	322.413	-88.504	-8.242	-1254.87	-7593.71
43254_3254	43254	3254	-2176.39	-355.028	-34.001	-125.204	1254.869	7588.746
43254_3255	43254	3255	2176.39	366.893	34.001	125.204	-1143.87	-8767.19
43255_3255	43255	3255	116.392	508.421	-51.712	3.437	821.944	22907.99
43255_3256	43255	3256	-110.849	-466.813	51.712	-3.437	-289.778	-17892
43256_3256	43256	3256	92.922	470.687	-51.863	49.054	283.998	17892.04
43256_3257	43256	3257	-89.872	-438.622	51.863	-49.054	141.212	-14165.1
43257_3257	43257	3257	76.617	400.839	3.987	-22.115	-134.4	14161.83
43257_3258	43257	3258	-73.779	-363.149	-3.987	22.115	94.855	-10384.3
43258_3258	43258	3258	66.459	364.553	3.888	2.011	-96.664	10384.33
43258_3259	43258	3259	-64.68	-332.403	-3.888	-2.011	63.093	-7380.46
43259_3259	43259	3259	59.995	333.282	3.745	30.091	-64.28	7380.694
43259_3260	43259	3260	-59.582	-323.24	-3.745	-30.091	52.426	-6342.98
43260_3260	43260	3260	51.813	263.845	7.24	-11.313	-51.076	6288.852
43260_3261	43260	3261	-51.071	-239.382	-7.24	11.313	-3.189	-4402.37
43261_3261	43261	3261	46.45	240.425	7.148	-2.162	3.104	4402.385
43261_3262	43261	3262	-46.08	-210.077	-7.148	2.162	-69.917	-2296.87
43262_3262	43262	3262	43.346	210.727	7	5.416	69.916	2281.749

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43262_3263	43262	3263	-43.346	-186.245	-7	-5.416	-123.535	-761.429
43263_3263	43263	3263	43.489	128.772	-5.344	0.501	123.535	761.388
43263_3264	43263	3264	-43.489	-92.761	5.344	-0.501	-63.326	486.552
43264_3264	43264	3264	43.475	92.761	-5.455	-0.742	63.326	-486.552
43264_3265	43264	3265	-43.475	-55.098	5.455	0.742	0.955	1357.697
43265_3265	43265	3265	43.434	5.557	-1.132	1.37	-0.955	-1357.63
43265_3266	43265	3266	-43.434	31.578	1.132	-1.37	14.112	1206.475
43266_3266	43266	3266	43.429	-31.578	-1.297	-3.193	-14.112	-1206.47
43266_3267	43266	3267	-43.429	68.119	1.297	3.193	28.936	636.588
43267_3267	43267	3267	43.426	-117.608	-0.275	-4.065	-28.936	-636.59
43267_3268	43267	3268	-43.426	154.713	0.275	4.065	32.133	-944.049
43268_3268	43268	3268	43.425	-154.713	-0.397	-1.422	-32.133	944.056
43268_3269	43268	3269	-43.425	191.283	0.397	1.422	36.675	-2923.4
43269_3269	43269	3269	43.372	-244.33	-5.951	-15.645	-36.675	2923.647
43269_3270	43269	3270	-43.372	283.34	5.951	15.645	109.299	-6143.7
43270_3270	43270	3270	43.349	-283.34	-6.116	7.8	-109.299	6143.717
43270_3271	43270	3271	-43.349	321.984	6.116	-7.8	183.242	-9802.93
43271_3271	43271	3271	43.508	-377.858	14.778	-43.667	-183.242	9803.611
43271_3272	43271	3272	-43.508	400.012	-14.778	43.667	80.813	-12499.3
43272_3272	43272	3272	48.269	-399.357	14.677	-15.217	-80.957	12517.51
43272_3273	43272	3273	-48.666	431.826	-14.677	15.217	-57.604	-16440.9
43273_3273	43273	3273	56.733	-430.677	14.541	34.428	58.539	16440.83
43273_3274	43273	3274	-57.627	459.186	-14.541	-34.428	-178.266	-20104.6
43274_3274	43274	3274	63.584	-514.092	-48.439	-51.257	175.827	20107.03
43274_3275	43274	3275	-63.928	522.204	48.439	51.257	-63.055	-21313.5
43275_3275	43275	3275	70.11	-521.386	-48.475	-37.13	63.171	21325.59
43275_3276	43275	3276	-71.967	555.483	48.475	37.13	357.114	-25994.5
43276_3276	43276	3276	82.075	-553.963	-48.597	43.624	-352.937	25994.59
43276_3277	43276	3277	-84.641	588.949	48.597	-43.624	776.376	-30975.2
43277_3277	43277	3277	101.433	-602.925	43.052	-79.506	-788.515	31020.33
43277_3278	43277	3278	-105.533	646.459	-43.052	79.506	338.256	-37552
43278_3278	43278	3278	127.525	-642.484	42.959	11.679	-330.421	37552.14
43278_3279	43278	3279	-132.877	684.208	-42.959	-11.679	-84.778	-43961.4
43279_3279	43279	3279	-3281.52	504.02	22.016	155.849	414.06	16072.55
43279_3280	43279	3280	3281.515	-488.104	-22.016	-155.849	-504.87	-14026.4
43280_3280	43280	3280	-3282.21	373.502	-72.413	-34.294	504.87	14027.78
43280_3281	43280	3281	3282.207	-349.295	72.413	34.294	-50.59	-11760.6
43281_3281	43281	3281	-3282.42	349.295	-61.92	-3.138	50.59	12059.33
43281_3282	43281	3282	3282.422	-314.383	61.92	3.138	547.155	-8855.92
43282_3282	43282	3282	-3282.59	314.383	-52.19	23.111	-547.155	8855.892
43282_3283	43282	3283	3282.591	-284.15	52.19	-23.111	983.455	-6354.09
43283_3283	43283	3283	-3282.21	254.938	14.097	-5.877	-983.455	6326.48
43283_3284	43283	3284	3282.207	-216.577	-14.097	5.877	809.177	-3411.78
43284_3284	43284	3284	-3282.13	216.577	26.729	7.254	-809.177	3411.779
43284_3285	43284	3285	3282.128	-179.576	-26.729	-7.254	490.447	-1049.8
43285_3285	43285	3285	-3282.29	82.569	6.008	0.328	-490.447	1049.862
43285_3286	43285	3286	3282.292	-45.832	-6.008	-0.328	419.313	-289.756
43286_3286	43286	3286	-3282.24	45.832	20.079	1.57	-419.313	289.752
43286_3287	43286	3287	3282.236	-13.517	-20.079	-1.57	210.194	19.302
43287_3287	43287	3287	-3282.12	-32.149	25.627	-0.218	-210.194	-19.406
43287_3288	43287	3288	3282.119	67.196	-25.627	0.218	-79.268	-541.645
43288_3288	43288	3288	-3282.01	-67.196	36.771	1.621	79.268	541.642
43288_3289	43288	3289	3282.013	101.128	-36.771	-1.621	-481.391	-1462.02

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43289_3289	43289	3289	-3282.57	-187.491	-12.077	-7.121	481.391	1462.174
43289_3290	43289	3290	3282.566	213.445	12.077	7.121	-380.373	-3138.98
43290_3290	43290	3290	-3282.58	-213.445	-4.926	-0.283	380.373	3138.986
43290_3291	43290	3291	3282.584	237.828	4.926	0.283	-341.664	-4912.13
43291_3291	43291	3291	-3282.59	-237.828	1.635	9.822	341.664	4616.885
43291_3292	43291	3292	3282.587	264.193	-1.635	-9.822	-354.553	-6595.33
43292_3292	43292	3292	-3282.88	-328.434	-11.706	-43.661	354.553	6596.269
43292_3293	43292	3293	3282.875	336.831	11.706	43.661	-325.167	-7431.28
43293_3293	43293	3293	125.484	919.386	-13.056	-47.844	57.063	31313.52
43293_3294	43293	3294	-121.542	-887.119	13.056	47.844	53.609	-23654.4
43294_3294	43294	3294	89.706	890.893	-13.108	50.232	-63.802	23654.34
43294_3295	43294	3295	-86.6	-854.815	13.108	-50.232	192.479	-15084.7
43295_3295	43295	3295	59.478	779.592	7.2	-19.094	-186.573	15085.73
43295_3296	43295	3296	-57.17	-740.731	-7.2	19.094	108.121	-6802.11
43296_3296	43296	3296	39.213	741.89	7.148	10.433	-109.62	6802.108
43296_3297	43296	3297	-38.195	-712.951	-7.148	-10.433	50.463	-782.171
43297_3297	43297	3297	25.65	713.507	7.111	13.432	-50.343	781.718
43297_3298	43297	3298	-25.418	-700.32	-7.111	-13.432	19.641	2270.512
43298_3298	43298	3298	15.354	615.855	1.337	16.823	-19.424	-2279.99
43298_3299	43298	3299	-15.257	-590.857	-1.337	-16.823	8.412	7249.188
43299_3299	43299	3299	12.923	590.914	1.309	1.195	-8.355	-7249.21
43299_3300	43299	3300	-12.923	-568.313	-1.309	-1.195	-1.402	11568.26
43300_3300	43300	3300	12.926	568.313	1.284	-20.768	1.402	-11567.5
43300_3301	43300	3301	-12.926	-543.542	-1.284	20.768	-10.526	15518.24
43301_3301	43301	3301	12.914	464.011	-0.289	44.15	10.526	-15518.9
43301_3302	43301	3302	-12.914	-421.899	0.289	-44.15	-7.031	20870.66
43302_3302	43302	3302	12.913	421.899	-0.338	-35.359	7.031	-20870.7
43302_3303	43302	3303	-12.913	-379.393	0.338	35.359	-2.904	25756.52
43303_3303	43303	3303	12.931	299.568	2.165	46.949	2.904	-25757.6
43303_3304	43303	3304	-12.931	-254.841	-2.165	-46.949	-30.681	29314.65
43304_3304	43304	3304	12.937	254.841	2.126	-41.685	30.681	-29314.7
43304_3305	43304	3305	-12.937	-214.953	-2.126	41.685	-55.006	32002.81
43305_3305	43305	3305	12.932	140.782	0.158	62.081	55.006	-32004.1
43305_3306	43305	3306	-12.932	-94.656	-0.158	-62.081	-57.097	33561.88
43306_3306	43306	3306	12.933	94.656	0.11	-62.466	57.097	-33561.9
43306_3307	43306	3307	-12.933	-56.166	-0.11	62.466	-58.312	34394.64
43307_3307	43307	3307	12.944	-14.765	1.643	59.719	58.312	-34396.2
43307_3308	43307	3308	-12.944	58.572	-1.643	-59.719	-78.958	33935.3
43308_3308	43308	3308	12.95	-58.572	1.599	-54.031	78.958	-33935.3
43308_3309	43308	3309	-12.95	99.361	-1.599	54.031	-97.674	33011.21
43309_3309	43309	3309	12.94	-171.834	-0.389	50.272	97.674	-33012.2
43309_3310	43309	3310	-12.94	213.198	0.389	-50.272	-93.053	30727.55
43310_3310	43310	3310	12.939	-213.198	-0.427	-39.712	93.053	-30727.6
43310_3311	43310	3311	-12.939	256.465	0.427	39.712	-87.748	27812.53
43311_3311	43311	3311	12.975	-318.88	5.858	39.532	87.748	-27813.5
43311_3312	43311	3312	-12.975	361.084	-5.858	-39.532	-158.683	23696.91
43312_3312	43312	3312	12.994	-361.084	5.818	-34.874	158.683	-23696.9
43312_3313	43312	3313	-12.994	403.467	-5.818	34.874	-229.424	19048.54
43313_3313	43313	3313	12.913	-500.708	-6.538	26.431	229.424	-19049.3
43313_3314	43313	3314	-12.913	545.013	6.538	-26.431	-146.324	12403.08
43314_3314	43314	3314	12.889	-545.013	-6.586	-19.883	146.324	-12403.1
43314_3315	43314	3315	-12.889	589.11	6.586	19.883	-63.004	5228.87
43315_3315	43315	3315	13.031	-630.255	-7.699	-8.277	63.004	-5229.72

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43315_3316	43315	3316	-13.031	658.778	7.699	8.277	0	-44.515
44000_4000	44000	4000	-0.318	14.32	-2.456	2.83	0	-0.403
44000_4001	44000	4001	0.318	8.01	2.456	-2.83	33.931	43.994
44001_4001	44001	4001	-0.319	-8.01	-2.456	2.811	-33.931	-43.995
44001_4002	44001	4002	0.319	24.406	2.456	-2.811	58.844	-120.432
44002_4002	44002	4002	-0.28	21.925	3.346	2.062	-58.844	120.38
44002_4003	44002	4003	0.28	-2.283	-3.346	-2.062	18.176	26.722
44003_4003	44003	4003	-0.277	2.283	3.347	2.04	-18.176	-26.724
44003_4004	44003	4004	0.277	17.356	-3.347	-2.04	-22.491	-64.859
44004_4004	44004	4004	-0.296	19.862	-0.361	1.771	22.491	64.679
44004_4005	44004	4005	0.296	-0.217	0.361	-1.771	-18.101	57.355
44005_4005	44005	4005	-0.296	0.217	-0.361	1.771	18.101	-57.355
44005_4006	44005	4006	0.296	19.428	0.361	-1.771	-13.71	-59.407
44006_4006	44006	4006	-0.292	19.918	0.076	0.901	13.71	59.329
44006_4007	44006	4007	0.292	-0.289	-0.076	-0.901	-14.631	63.385
44007_4007	44007	4007	-0.292	0.289	0.076	0.842	14.631	-63.386
44007_4008	44007	4008	0.292	19.354	-0.076	-0.842	-15.556	-52.473
44008_4008	44008	4008	-0.291	19.513	0.089	-0.039	15.556	52.516
44008_4009	44008	4009	0.291	0.136	-0.089	0.039	-16.643	65.277
44009_4009	44009	4009	-0.291	-0.136	0.089	-0.033	16.643	-65.277
44009_4010	44009	4010	0.291	19.769	-0.089	0.033	-17.729	-55.631
44010_4010	44010	4010	-0.294	19.203	-0.098	-0.804	17.729	55.848
44010_4011	44010	4011	0.294	0.446	0.098	0.804	-16.538	58.177
44011_4011	44011	4011	-0.294	-0.446	-0.098	-0.799	16.538	-58.177
44011_4012	44011	4012	0.294	20.079	0.098	0.799	-15.348	-66.495
44012_4012	44012	4012	-0.293	18.892	0.04	-1.466	15.348	66.51
44012_4013	44012	4013	0.293	0.76	-0.04	1.466	-15.837	43.726
44013_4013	44013	4013	-0.293	-0.76	0.04	-1.426	15.837	-43.727
44013_4014	44013	4014	0.293	20.398	-0.04	1.426	-16.322	-84.822
44014_4014	44014	4014	-0.299	18.028	-0.876	-1.733	16.322	84.766
44014_4015	44014	4015	0.299	8.313	0.876	1.733	-2.04	-5.593
44015_4015	44015	4015	-0.299	-8.313	-0.876	-1.736	2.04	5.595
44015_4016	44015	4016	0.299	21.654	0.876	1.736	5.193	-129.283
44016_4016	44016	4016	-0.308	19.567	-0.182	-1.209	-5.193	129.607
44016_4017	44016	4017	0.308	-0.85	0.182	1.209	7.329	-9.646
44017_4017	44017	4017	-0.308	0.85	-0.182	-1.213	-7.329	9.646
44017_4018	44017	4018	0.308	20.257	0.182	1.213	9.738	-138.226
44018_4018	44018	4018	-0.312	19.705	1.924	-0.831	-9.738	138.186
44018_4019	44018	4019	0.312	0.2	-1.924	0.831	-14.309	-16.315
44019_4019	44019	4019	-0.31	-0.2	1.925	-0.818	14.309	16.315
44019_4020	44019	4020	0.31	20.103	-1.925	0.818	-38.356	-143.165
44020_4020	44020	4020	-0.382	20.841	-1.983	-0.722	38.356	143.16
44020_4021	44020	4021	0.382	-5.704	1.983	0.722	-19.51	-17.035
44021_4021	44021	4021	-0.381	5.704	-1.983	-0.735	19.51	17.034
44021_4022	44021	4022	0.381	6.646	1.983	0.735	-4.132	-20.685
44022_4022	44022	4022	-0.383	-6.646	-1.983	-0.712	4.132	20.686
44022_4023	44022	4023	0.383	18.979	1.983	0.712	11.222	-119.886
44023_4023	44023	4023	-0.381	19.463	-0.132	-0.424	-11.222	119.972
44023_4024	44023	4024	0.381	-6.713	0.132	0.424	12.278	-15.21
44024_4024	44024	4024	-0.381	6.713	-0.132	-0.424	-12.278	15.21
44024_4025	44024	4025	0.381	6.036	0.132	0.424	13.335	-12.499
44025_4025	44025	4025	-0.381	-6.036	-0.132	-0.425	-13.335	12.499
44025_4026	44025	4026	0.381	18.77	0.132	0.425	14.39	-111.652

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44026_4026	44026	4026	-0.381	18.952	-0.02	-0.245	-14.39	111.657
44026_4027	44026	4027	0.381	-9.395	0.02	0.245	14.51	-26.616
44027_4027	44027	4027	-0.381	9.395	-0.02	-0.245	-14.51	26.616
44027_4028	44027	4028	0.381	0.163	0.02	0.245	14.629	1.079
44028_4028	44028	4028	-0.381	-0.163	-0.02	-0.244	-14.629	-1.08
44028_4029	44028	4029	0.381	9.722	0.02	0.244	14.752	-28.579
44029_4029	44029	4029	-0.381	-9.722	-0.02	-0.196	-14.752	28.579
44029_4030	44029	4030	0.381	19.279	0.02	0.196	14.871	-115.583
44030_4030	44030	4030	-0.382	18.314	0.007	-0.094	-14.871	115.534
44030_4031	44030	4031	0.382	-5.571	-0.007	0.094	14.817	-19.994
44031_4031	44031	4031	-0.382	5.571	0.007	-0.094	-14.817	19.994
44031_4032	44031	4032	0.382	7.172	-0.007	0.094	14.764	-26.401
44032_4032	44032	4032	-0.382	-7.172	0.007	-0.094	-14.764	26.401
44032_4033	44032	4033	0.382	19.915	-0.007	0.094	14.71	-134.753
44033_4033	44033	4033	-0.367	18.946	1.123	0.051	-14.71	134.758
44033_4034	44033	4034	0.367	-6.609	-1.123	-0.051	6.009	-35.789
44034_4034	44034	4034	-0.367	6.609	1.123	0.055	-6.009	35.789
44034_4035	44034	4035	0.367	5.744	-1.123	-0.055	-2.704	-32.436
44035_4035	44035	4035	-0.367	-5.744	1.124	0.072	2.704	32.436
44035_4036	44035	4036	0.367	20.849	-1.124	-0.072	-13.359	-158.526
44036_4036	44036	4036	-0.425	20.698	-1.205	0.199	13.359	158.538
44036_4037	44036	4037	0.425	-0.761	1.205	-0.199	1.727	-24.242
44037_4037	44037	4037	-0.425	0.761	-1.205	0.196	-1.727	24.242
44037_4038	44037	4038	0.425	19.145	1.205	-0.196	16.79	-139.116
44038_4038	44038	4038	-0.405	14.673	0.109	0.608	-16.79	139.238
44038_4039	44038	4039	0.405	6.439	-0.109	-0.608	15.352	-84.671
44039_4039	44039	4039	-0.405	-6.439	0.109	0.846	-15.352	84.028
44039_4040	44039	4040	0.405	24.8	-0.109	-0.846	14.075	-267.526
44040_4040	44040	4040	-0.405	19.002	-0.05	0.876	-14.075	267.617
44040_4041	44040	4041	0.405	-6.103	0.05	-0.876	14.491	-164.02
44041_4041	44041	4041	-0.405	6.103	-0.051	0.798	-14.491	164.02
44041_4042	44041	4042	0.405	18.691	0.051	-0.798	15.293	-263.876
44042_4042	44042	4042	-0.398	20.84	0.713	0.879	-15.293	263.897
44042_4043	44042	4043	0.398	-2.174	-0.713	-0.879	6.775	-126.46
44043_4043	44043	4043	-0.398	2.174	0.713	0.87	-6.775	126.46
44043_4044	44043	4044	0.398	16.477	-0.713	-0.87	-1.735	-211.803
44044_4044	44044	4044	-0.404	19.843	0.041	0.622	1.735	211.909
44044_4045	44044	4045	0.404	-1.176	-0.041	-0.622	-2.23	-86.389
44045_4045	44045	4045	-0.404	1.176	0.041	0.622	2.23	86.389
44045_4046	44045	4046	0.404	17.49	-0.041	-0.622	-2.726	-183.813
44046_4046	44046	4046	-0.404	19.463	-0.034	0.198	2.726	183.821
44046_4047	44046	4047	0.404	-0.805	0.034	-0.198	-2.32	-62.834
44047_4047	44047	4047	-0.404	0.805	-0.034	0.198	2.32	62.834
44047_4048	44047	4048	0.404	17.854	0.034	-0.198	-1.914	-164.605
44048_4048	44048	4048	-0.406	19.016	-0.275	-0.178	1.914	164.711
44048_4049	44048	4049	0.406	-0.341	0.275	0.178	1.37	-49.067
44049_4049	44049	4049	-0.406	0.341	-0.275	-0.181	-1.37	49.067
44049_4050	44049	4050	0.406	18.317	0.275	0.181	4.651	-156.37
44050_4050	44050	4050	-0.405	18.311	-0.305	-0.409	-4.651	156.211
44050_4051	44050	4051	0.405	6.453	0.305	0.409	9.485	-62.264
44051_4051	44051	4051	-0.405	-6.453	-0.305	-0.372	-9.485	62.265
44051_4052	44051	4052	0.405	19.352	0.305	0.372	12.001	-168.756
44052_4052	44052	4052	-0.402	20.506	-0.528	-0.15	-12.001	168.841

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44052_4053	44052	4053	0.402	-2.136	0.528	0.15	18.205	-35.779
44053_4053	44053	4053	-0.402	2.136	-0.528	-0.141	-18.205	35.787
44053_4054	44053	4054	0.402	17.93	0.528	0.141	25.196	-140.405
44054_4054	44054	4054	-0.409	18.536	1.019	0.089	-25.196	140.257
44054_4055	44054	4055	0.409	0.399	-1.019	-0.089	12.462	-26.891
44055_4055	44055	4055	-0.409	-0.399	1.019	0.089	-12.462	26.891
44055_4056	44055	4056	0.409	19.334	-1.019	-0.089	-0.273	-150.23
44056_4056	44056	4056	-0.388	19.872	-1.242	0.172	0.273	150.227
44056_4057	44056	4057	0.388	-5.492	1.242	-0.172	11.521	-29.829
44057_4057	44057	4057	-0.388	5.492	-1.242	0.158	-11.521	29.83
44057_4058	44057	4058	0.388	6.246	1.242	-0.158	21.149	-32.751
44058_4058	44058	4058	-0.388	-6.246	-1.242	0.158	-21.149	32.751
44058_4059	44058	4059	0.388	17.984	1.242	-0.158	30.778	-126.637
44059_4059	44059	4059	-0.38	18.963	1.049	0.287	-30.778	126.63
44059_4060	44059	4060	0.38	-6.836	-1.049	-0.287	22.376	-23.345
44060_4060	44060	4060	-0.381	6.836	1.049	0.256	-22.376	23.345
44060_4061	44060	4061	0.381	5.278	-1.049	-0.256	13.987	-17.117
44061_4061	44061	4061	-0.38	-5.278	1.049	0.277	-13.987	17.117
44061_4062	44061	4062	0.38	17.391	-1.049	-0.277	5.596	-107.757
44062_4062	44062	4062	-0.381	18.375	0.64	0.457	-5.596	107.801
44062_4063	44062	4063	0.381	-9.283	-0.64	-0.457	1.755	-24.788
44063_4063	44063	4063	-0.382	9.283	0.639	0.416	-1.755	24.789
44063_4064	44063	4064	0.382	-0.19	-0.639	-0.416	-2.083	3.648
44064_4064	44064	4064	-0.381	0.19	0.64	0.41	2.083	-3.649
44064_4065	44064	4065	0.381	8.887	-0.64	-0.41	-5.917	-22.409
44065_4065	44065	4065	-0.381	-8.887	0.64	0.413	5.917	22.409
44065_4066	44065	4066	0.381	17.979	-0.64	-0.413	-9.758	-103.041
44066_4066	44066	4066	-0.379	18.071	0.615	0.485	9.758	103.05
44066_4067	44066	4067	0.379	-5.946	-0.615	-0.485	-14.685	-6.924
44067_4067	44067	4067	-0.379	5.946	0.615	0.485	14.685	6.924
44067_4068	44067	4068	0.379	6.164	-0.615	-0.485	-19.606	-7.796
44068_4068	44068	4068	-0.378	-6.164	0.616	0.495	19.606	7.796
44068_4069	44068	4069	0.378	18.288	-0.616	-0.495	-24.536	-105.658
44069_4069	44069	4069	-0.374	17.729	0.992	0.628	24.536	105.591
44069_4070	44069	4070	0.374	-5.999	-0.992	-0.628	-32.218	-13.712
44070_4070	44070	4070	-0.374	5.999	0.992	0.63	32.218	13.712
44070_4071	44070	4071	0.374	5.746	-0.992	-0.63	-39.91	-12.73
44071_4071	44071	4071	-0.374	-5.746	0.992	0.626	39.91	12.731
44071_4072	44071	4072	0.374	20.132	-0.992	-0.626	-49.33	-135.621
44072_4072	44072	4072	-0.407	20.13	-1.582	0.707	49.33	135.625
44072_4073	44072	4073	0.407	-1.198	1.582	-0.707	-29.554	-2.329
44073_4073	44073	4073	-0.406	1.198	-1.583	0.705	29.554	2.33
44073_4074	44073	4074	0.406	17.734	1.583	-0.705	-9.773	-105.675
44074_4074	44074	4074	-0.376	15.227	0.144	0.976	9.773	105.73
44074_4075	44074	4075	0.376	4.842	-0.144	-0.976	-11.677	-36.93
44075_4075	44075	4075	-0.376	-4.842	0.143	1.278	11.677	36.958
44075_4076	44075	4076	0.376	22.247	-0.143	-1.278	-13.361	-196.092
44076_4076	44076	4076	-0.373	17.905	0.106	1.079	13.361	196.249
44076_4077	44076	4077	0.373	-5.682	-0.106	-1.079	-14.237	-98.946
44077_4077	44077	4077	-0.373	5.682	0.106	1.104	14.237	98.947
44077_4078	44077	4078	0.373	15.664	-0.106	-1.104	-15.766	-170.861
44078_4078	44078	4078	-0.371	17.824	0.195	0.917	15.766	170.764
44078_4079	44078	4079	0.371	-1.195	-0.195	-0.917	-17.957	-64.029

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44079_4079	44079	4079	-0.371	1.195	0.195	0.917	17.957	64.029
44079_4080	44079	4080	0.371	15.434	-0.195	-0.917	-20.149	-143.942
44080_4080	44080	4080	-0.371	16.843	-0.079	0.566	20.149	143.774
44080_4081	44080	4081	0.371	-0.218	0.079	-0.566	-19.26	-48.043
44081_4081	44081	4081	-0.371	0.218	-0.079	0.566	19.26	48.043
44081_4082	44081	4082	0.371	16.407	0.079	-0.566	-18.371	-138.88
44082_4082	44082	4082	-0.372	18.155	-0.116	0.066	18.371	138.937
44082_4083	44082	4083	0.372	-0.285	0.116	-0.066	-16.968	-27.718
44083_4083	44083	4083	-0.372	0.285	-0.117	0.043	16.968	27.718
44083_4084	44083	4084	0.372	17.586	0.117	-0.043	-15.561	-132.068
44084_4084	44084	4084	-0.373	16.828	-0.246	-0.492	15.561	132.077
44084_4085	44084	4085	0.373	-0.207	0.246	0.492	-12.802	-36.512
44085_4085	44085	4085	-0.374	0.207	-0.246	-0.458	12.802	36.512
44085_4086	44085	4086	0.374	16.429	0.246	0.458	-10.045	-127.599
44086_4086	44086	4086	-0.374	16.33	-0.379	-0.862	10.045	127.468
44086_4087	44086	4087	0.374	0.292	0.379	0.862	-5.792	-37.497
44087_4087	44087	4087	-0.374	-0.292	-0.379	-0.829	5.792	37.498
44087_4088	44087	4088	0.374	16.913	0.379	0.829	-1.542	-134.014
44088_4088	44088	4088	-0.376	14.877	-0.189	-1.044	1.542	134.172
44088_4089	44088	4089	0.376	5.655	0.189	1.044	1.073	-70.266
44089_4089	44089	4089	-0.376	-5.655	-0.189	-1.101	-1.073	70.266
44089_4090	44089	4090	0.376	17.871	0.189	1.101	2.631	-167.262
44090_4090	44090	4090	-0.371	18.607	-0.659	-0.791	-2.631	167.438
44090_4091	44090	4091	0.371	-1.188	0.659	0.791	10.382	-51.066
44091_4091	44091	4091	-0.371	1.188	-0.659	-0.788	-10.382	51.082
44091_4092	44091	4092	0.371	18.146	0.659	0.788	19.118	-163.421
44092_4092	44092	4092	-0.381	18.173	1.032	-0.518	-19.118	163.273
44092_4093	44092	4093	0.381	0.062	-1.032	0.518	6.22	-50.113
44093_4093	44093	4093	-0.381	-0.062	1.032	-0.518	-6.22	50.113
44093_4094	44093	4094	0.381	18.298	-1.032	0.518	-6.679	-164.832
44094_4094	44094	4094	-0.445	19.069	-1.013	-0.384	6.679	164.846
44094_4095	44094	4095	0.445	-5.199	1.013	0.384	2.946	-49.513
44095_4095	44095	4095	-0.444	5.199	-1.013	-0.423	-2.946	49.515
44095_4096	44095	4096	0.444	6.116	1.013	0.423	10.801	-53.069
44096_4096	44096	4096	-0.446	-6.116	-1.012	-0.356	-10.801	53.069
44096_4097	44096	4097	0.446	17.416	1.012	0.356	18.64	-144.182
44097_4097	44097	4097	-0.443	18.076	0.312	-0.184	-18.64	144.186
44097_4098	44097	4098	0.443	-6.397	-0.312	0.184	16.145	-46.25
44098_4098	44098	4098	-0.443	6.397	0.312	-0.186	-16.145	46.25
44098_4099	44098	4099	0.443	5.267	-0.312	0.186	13.654	-41.732
44099_4099	44099	4099	-0.443	-5.267	0.312	-0.185	-13.654	41.732
44099_4100	44099	4100	0.443	16.946	-0.312	0.185	11.159	-130.619
44100_4100	44100	4100	-0.444	17.561	0.178	-0.087	-11.159	130.61
44100_4101	44100	4101	0.444	-8.801	-0.178	0.087	10.092	-51.488
44101_4101	44101	4101	-0.444	8.801	0.178	-0.001	-10.092	51.488
44101_4102	44101	4102	0.444	-0.042	-0.178	0.001	9.021	-24.947
44102_4102	44102	4102	-0.444	0.042	0.178	-0.003	-9.021	24.947
44102_4103	44102	4103	0.444	8.702	-0.178	0.003	7.951	-50.895
44103_4103	44103	4103	-0.444	-8.702	0.178	0	-7.951	50.895
44103_4104	44103	4104	0.444	17.461	-0.178	0	6.88	-129.417
44104_4104	44104	4104	-0.444	17.205	0.061	0.102	-6.88	129.42
44104_4105	44104	4105	0.444	-5.526	-0.061	-0.102	6.393	-38.457
44105_4105	44105	4105	-0.444	5.526	0.061	0.149	-6.393	38.457

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44105_4106	44105	4106	0.444	6.139	-0.061	-0.149	5.902	-40.908
44106_4106	44106	4106	-0.444	-6.139	0.061	0.15	-5.902	40.908
44106_4107	44106	4107	0.444	17.818	-0.061	-0.15	5.411	-136.773
44107_4107	44107	4107	-0.442	17.211	1.099	0.299	-5.411	136.796
44107_4108	44107	4108	0.442	-5.897	-1.099	-0.299	-3.113	-47.213
44108_4108	44108	4108	-0.441	5.897	1.1	0.358	3.113	47.213
44108_4109	44108	4109	0.441	5.402	-1.1	-0.358	-11.63	-45.298
44109_4109	44109	4109	-0.442	-5.402	1.1	0.309	11.63	45.298
44109_4110	44109	4110	0.442	19.271	-1.1	-0.309	-22.08	-162.55
44110_4110	44110	4110	-0.456	19.063	-1.154	0.452	22.08	162.553
44110_4111	44110	4111	0.456	-0.817	1.154	-0.452	-7.657	-38.264
44111_4111	44111	4111	-0.457	0.817	-1.153	0.482	7.657	38.264
44111_4112	44111	4112	0.457	17.415	1.153	-0.482	6.751	-141.948
44112_4112	44112	4112	-0.448	14.254	-0.277	0.879	-6.751	141.974
44112_4113	44112	4113	0.448	5.087	0.277	-0.879	10.425	-81.222
44113_4113	44113	4113	-0.448	-5.087	-0.277	1.04	-10.425	81.11
44113_4114	44113	4114	0.448	22.199	0.277	-1.04	13.682	-241.461
44114_4114	44114	4114	-0.441	17.149	0.387	1.224	-13.682	241.326
44114_4115	44114	4115	0.441	-5.15	-0.387	-1.224	10.496	-149.437
44115_4115	44115	4115	-0.441	5.15	0.386	0.929	-10.496	149.439
44115_4116	44115	4116	0.441	15.776	-0.386	-0.929	4.952	-225.804
44116_4116	44116	4116	-0.441	18.221	0.466	1.121	-4.952	225.822
44116_4117	44116	4117	0.441	-1.882	-0.466	-1.121	-0.277	-113.022
44117_4117	44117	4117	-0.441	1.882	0.466	1.121	0.277	113.022
44117_4118	44117	4118	0.441	14.457	-0.466	-1.121	-5.507	-183.581
44118_4118	44118	4118	-0.441	17.086	0.094	0.91	5.507	183.748
44118_4119	44118	4119	0.441	-0.749	-0.094	-0.91	-6.566	-83.686
44119_4119	44119	4119	-0.441	0.749	0.094	0.836	6.566	83.687
44119_4120	44119	4120	0.441	15.604	-0.094	-0.836	-7.622	-167.109
44120_4120	44120	4120	-0.44	18.28	0.066	0.46	7.622	166.927
44120_4121	44120	4121	0.44	-0.734	-0.066	-0.46	-8.413	-52.351
44121_4121	44121	4121	-0.441	0.734	0.065	0.417	8.413	52.352
44121_4122	44121	4122	0.441	16.827	-0.065	-0.417	-9.2	-149.399
44122_4122	44122	4122	-0.441	16.923	-0.064	-0.085	9.2	149.398
44122_4123	44122	4123	0.441	-0.587	0.064	0.085	-8.484	-51.161
44123_4123	44123	4123	-0.44	0.587	-0.064	-0.13	8.484	51.161
44123_4124	44123	4124	0.44	15.765	0.064	0.13	-7.763	-136.391
44124_4124	44124	4124	-0.439	16.449	-0.135	-0.525	7.763	136.23
44124_4125	44124	4125	0.439	-0.112	0.135	0.525	-6.245	-43.315
44125_4125	44125	4125	-0.439	0.112	-0.135	-0.525	6.245	43.315
44125_4126	44125	4126	0.439	16.224	0.135	0.525	-4.727	-133.707
44126_4126	44126	4126	-0.438	14.639	-0.582	-0.739	4.727	133.579
44126_4127	44126	4127	0.438	5.366	0.582	0.739	3.276	-69.875
44127_4127	44127	4127	-0.437	-5.366	-0.583	-0.807	-3.276	69.875
44127_4128	44127	4128	0.437	17.378	0.583	0.807	8.084	-163.698
44128_4128	44128	4128	-0.448	18.454	0.598	-0.664	-8.084	163.562
44128_4129	44128	4129	0.448	-1.346	-0.598	0.664	1.062	-47.236
44129_4129	44129	4129	-0.447	1.346	0.598	-0.558	-1.062	47.265
44129_4130	44129	4130	0.447	17.952	-0.598	0.558	-6.864	-157.284
44130_4130	44130	4130	-0.453	17.647	-0.234	-0.192	6.864	157.127
44130_4131	44130	4131	0.453	0.559	0.234	0.192	-3.94	-50.329
44131_4131	44131	4131	-0.453	-0.559	-0.234	-0.152	3.94	50.329
44131_4132	44131	4132	0.453	18.751	0.234	0.152	-1.023	-170.919

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44132_4132	44132	4132	-1.261	18.987	0.019	-0.288	1.023	164.449
44132_4133	44132	4133	1.261	-5.151	-0.019	0.288	-1.204	-49.793
44133_4133	44133	4133	-1.261	5.151	0.02	-0.259	1.204	49.794
44133_4134	44133	4134	1.261	6.137	-0.02	0.259	-1.357	-53.615
44134_4134	44134	4134	-1.261	-6.137	0.02	-0.259	1.357	53.615
44134_4135	44134	4135	1.261	17.439	-0.02	0.259	-1.511	-145.091
44135_4135	44135	4135	-1.223	18.223	-0.545	0.06	1.511	145.281
44135_4136	44135	4136	1.223	-6.57	0.545	-0.06	2.853	-46.097
44136_4136	44136	4136	-1.223	6.57	-0.545	0.06	-2.853	46.097
44136_4137	44136	4137	1.223	5.082	0.545	-0.06	7.217	-40.144
44137_4137	44137	4137	-1.223	-5.082	-0.545	0.06	-7.217	40.144
44137_4138	44137	4138	1.223	16.735	0.545	-0.06	11.581	-127.423
44138_4138	44138	4138	-1.236	17.472	0.354	-0.007	-11.581	127.333
44138_4139	44138	4139	1.236	-8.732	-0.354	0.007	9.46	-48.714
44139_4139	44139	4139	-1.236	8.732	0.354	-0.007	-9.46	48.714
44139_4140	44139	4140	1.236	0.007	-0.354	0.007	7.339	-22.537
44140_4140	44140	4140	-1.236	-0.007	0.354	-0.007	-7.339	22.537
44140_4141	44140	4141	1.236	8.747	-0.354	0.007	5.217	-48.802
44141_4141	44141	4141	-1.236	-8.747	0.354	-0.007	-5.217	48.802
44141_4142	44141	4142	1.236	17.487	-0.354	0.007	3.096	-127.51
44142_4142	44142	4142	-1.23	17.056	0.039	0.083	-3.096	127.427
44142_4143	44142	4143	1.23	-5.403	-0.039	-0.083	2.783	-37.581
44143_4143	44143	4143	-1.23	5.403	0.039	0.083	-2.783	37.581
44143_4144	44143	4144	1.23	6.25	-0.039	-0.083	2.47	-40.966
44144_4144	44144	4144	-1.23	-6.25	0.041	0.134	-2.47	40.966
44144_4145	44144	4145	1.23	17.902	-0.041	-0.134	2.145	-137.58
44145_4145	44145	4145	-1.248	17.052	1.013	0.185	-2.145	137.472
44145_4146	44145	4146	1.248	-5.778	-1.013	-0.185	-5.7	-49.11
44146_4146	44146	4146	-1.247	5.778	1.015	0.249	5.7	49.11
44146_4147	44146	4147	1.247	5.511	-1.015	-0.249	-13.568	-48.073
44147_4147	44147	4147	-1.248	-5.511	1.014	0.206	13.568	48.071
44147_4148	44147	4148	1.248	19.348	-1.014	-0.206	-23.203	-166.161
44148_4148	44148	4148	-1.231	19.329	-1.394	0.323	23.203	166.262
44148_4149	44148	4149	1.231	-1.122	1.394	-0.323	-5.774	-38.434
44149_4149	44149	4149	-1.231	1.122	-1.394	0.323	5.774	38.434
44149_4150	44149	4150	1.231	17.086	1.394	-0.323	11.654	-138.22
44150_4150	44150	4150	-1.252	13.795	0.325	0.678	-11.654	138.222
44150_4151	44150	4151	1.252	5.505	-0.325	-0.678	7.345	-83.295
44151_4151	44151	4151	-1.253	-5.505	0.324	0.684	-7.345	83.202
44151_4152	44151	4152	1.253	23.357	-0.324	-0.684	3.535	-252.779
44152_4152	44152	4152	-1.252	17.152	0.275	0.883	-3.535	252.78
44152_4153	44152	4153	1.252	-4.618	-0.275	-0.883	1.269	-162.974
44153_4153	44153	4153	-1.252	4.618	0.274	0.801	-1.269	162.972
44153_4154	44153	4154	1.252	16.258	-0.274	-0.801	-2.497	-242.949
44154_4154	44154	4154	-1.251	18.742	0.157	0.627	2.497	242.946
44154_4155	44154	4155	1.251	-2.03	-0.157	-0.627	-4.228	-128.69
44155_4155	44155	4155	-1.25	2.03	0.158	0.744	4.228	128.69
44155_4156	44155	4156	1.25	14.682	-0.158	-0.744	-5.971	-198.286
44156_4156	44156	4156	-1.251	16.541	0.173	0.265	5.971	198.284
44156_4157	44156	4157	1.251	-1.332	-0.173	-0.265	-7.7	-108.822
44157_4157	44157	4157	-1.251	1.332	0.174	0.374	7.7	108.822
44157_4158	44157	4158	1.251	13.876	-0.174	-0.374	-9.443	-171.609
44158_4158	44158	4158	-1.247	15.313	0.013	-0.185	9.443	171.462

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44158_4159	44158	4159	1.247	-0.105	-0.013	0.185	-9.572	-94.286
44159_4159	44159	4159	-1.247	0.105	0.014	-0.091	9.572	94.286
44159_4160	44159	4160	1.247	15.103	-0.014	0.091	-9.715	-169.357
44160_4160	44160	4160	-1.242	16.723	-0.373	-0.533	9.715	169.353
44160_4161	44160	4161	1.242	-0.011	0.373	0.533	-5.606	-77.309
44161_4161	44161	4161	-1.242	0.011	-0.373	-0.534	5.606	77.309
44161_4162	44161	4162	1.242	16.687	0.373	0.534	-1.502	-168.952
44162_4162	44162	4162	-1.242	15.567	-0.463	-0.734	1.502	169.065
44162_4163	44162	4163	1.242	5.324	0.463	0.734	4.869	-98.64
44163_4163	44163	4163	-1.241	-5.324	-0.465	-0.875	-4.869	98.637
44163_4164	44163	4164	1.241	17.858	0.465	0.875	8.706	-194.273
44164_4164	44164	4164	-1.242	19.445	-0.418	-0.49	-8.706	194.169
44164_4165	44164	4165	1.242	-1.593	0.418	0.49	13.613	-70.563
44165_4165	44165	4165	-1.241	1.593	-0.419	-0.546	-13.613	70.605
44165_4166	44165	4166	1.241	19.059	0.419	0.546	19.156	-186.241
44166_4166	44166	4166	-1.259	19.22	1.85	-0.172	-19.156	186.379
44166_4167	44166	4167	1.259	0.278	-1.85	0.172	-3.966	-67.978
44167_4167	44167	4167	-1.259	-0.278	1.85	-0.172	3.966	67.978
44167_4168	44167	4168	1.259	19.775	-1.85	0.172	-27.087	-193.321
44168_4168	44168	4168	-1.197	20.378	-1.455	-0.172	27.087	193.503
44168_4169	44168	4169	1.197	-5.56	1.455	0.172	-13.266	-70.289
44169_4169	44169	4169	-1.198	5.56	-1.454	-0.112	13.266	70.288
44169_4170	44169	4170	1.198	6.529	1.454	0.112	-1.998	-74.045
44170_4170	44170	4170	-1.198	-6.529	-1.454	-0.112	1.998	74.045
44170_4171	44170	4171	1.198	18.617	1.454	0.112	9.27	-171.495
44171_4171	44171	4171	-1.218	19.58	0.115	-0.032	-9.27	171.497
44171_4172	44171	4172	1.218	-7.101	-0.115	0.032	8.348	-64.763
44172_4172	44172	4172	-1.218	7.101	0.115	-0.032	-8.348	64.763
44172_4173	44172	4173	1.218	5.377	-0.115	0.032	7.426	-57.867
44173_4173	44173	4173	-1.218	-5.377	0.115	-0.032	-7.426	57.867
44173_4174	44173	4174	1.218	17.856	-0.115	0.032	6.505	-150.808
44174_4174	44174	4174	-1.218	18.837	0.178	0.032	-6.505	150.726
44174_4175	44174	4175	1.218	-9.478	-0.178	-0.032	5.438	-65.775
44175_4175	44175	4175	-1.218	9.478	0.178	0.032	-5.438	65.775
44175_4176	44175	4176	1.218	-0.119	-0.178	-0.032	4.372	-36.983
44176_4176	44176	4176	-1.218	0.119	0.178	0.032	-4.372	36.983
44176_4177	44176	4177	1.218	9.24	-0.178	-0.032	3.306	-64.349
44177_4177	44177	4177	-1.218	-9.24	0.178	0.032	-3.306	64.349
44177_4178	44177	4178	1.218	18.599	-0.178	-0.032	2.24	-147.873
44178_4178	44178	4178	-1.215	18.33	0.024	0.084	-2.24	147.791
44178_4179	44178	4179	1.215	-5.867	-0.024	-0.084	2.044	-51.116
44179_4179	44179	4179	-1.215	5.867	0.024	0.084	-2.044	51.116
44179_4180	44179	4180	1.215	6.612	-0.024	-0.084	1.849	-54.094
44180_4180	44180	4180	-1.215	-6.612	0.026	0.152	-1.849	54.094
44180_4181	44180	4181	1.215	19.09	-0.026	-0.152	1.641	-156.908
44181_4181	44181	4181	-1.227	18.289	1.784	0.139	-1.641	157.041
44181_4182	44181	4182	1.227	-6.201	-1.784	-0.139	-12.188	-62.133
44182_4182	44182	4182	-1.224	6.201	1.786	0.219	12.188	62.133
44182_4183	44182	4183	1.224	5.888	-1.786	-0.219	-26.029	-60.92
44183_4183	44183	4183	-1.226	-5.888	1.785	0.163	26.029	60.919
44183_4184	44183	4184	1.226	20.706	-1.785	-0.163	-42.987	-187.251
44184_4184	44184	4184	-1.175	20.599	-2.178	0.194	42.987	187.251
44184_4185	44184	4185	1.175	-1.101	2.178	-0.194	-15.755	-51.615

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44185_4185	44185	4185	-1.175	1.101	-2.178	0.194	15.755	51.615
44185_4186	44185	4186	1.175	18.397	2.178	-0.194	11.476	-159.722
44186_4186	44186	4186	-1.206	15.748	0.294	0.516	-11.476	159.724
44186_4187	44186	4187	1.206	4.919	-0.294	-0.516	7.58	-87.978
44187_4187	44187	4187	-1.207	-4.919	0.293	0.433	-7.58	87.672
44187_4188	44187	4188	1.207	24.037	-0.293	-0.433	4.136	-257.804
44188_4188	44188	4188	-1.206	19.273	0.275	0.52	-4.136	257.804
44188_4189	44188	4189	1.206	-5.85	-0.275	-0.52	1.87	-154.163
44189_4189	44189	4189	-1.206	5.85	0.274	0.447	-1.87	154.17
44189_4190	44189	4190	1.206	16.505	-0.274	-0.447	-1.896	-227.378
44190_4190	44190	4190	-1.194	19.478	-0.718	0.306	1.896	227.375
44190_4191	44190	4191	1.194	-1.581	0.718	-0.306	6.007	-111.541
44191_4191	44191	4191	-1.194	1.581	-0.717	0.408	-6.007	111.54
44191_4192	44191	4192	1.194	16.316	0.717	-0.408	13.897	-192.591
44192_4192	44192	4192	-1.213	17.485	0.8	-0.273	-13.897	192.586
44192_4193	44192	4193	1.213	-1.134	-0.8	0.273	5.854	-99.015
44193_4193	44193	4193	-1.213	1.134	0.8	-0.273	-5.854	99.015
44193_4194	44193	4194	1.213	15.218	-0.8	0.273	-2.19	-169.794
44194_4194	44194	4194	-1.204	16.199	0.455	-0.711	2.19	169.64
44194_4195	44194	4195	1.204	0.136	-0.455	0.711	-6.757	-88.997
44195_4195	44195	4195	-1.204	-0.136	0.454	-0.798	6.757	88.996
44195_4196	44195	4196	1.204	16.488	-0.454	0.798	-11.317	-172.538
44196_4196	44196	4196	-1.164	17.756	-1.534	-0.915	11.317	172.691
44196_4197	44196	4197	1.164	0.141	1.534	0.915	5.558	-75.805
44197_4197	44197	4197	-1.163	-0.141	-1.535	-0.984	-5.558	75.804
44197_4198	44197	4198	1.163	18.039	1.535	0.984	22.444	-175.802
44198_4198	44198	4198	-1.187	16.507	-0.331	-1.149	-22.444	175.799
44198_4199	44198	4199	1.187	5.864	0.331	1.149	27.002	-102.619
44199_4199	44199	4199	-1.187	-5.864	-0.331	-1.098	-27.002	102.617
44199_4200	44199	4200	1.187	19.287	0.331	1.098	29.732	-206.375
44200_4200	44200	4200	-1.184	20.98	-0.643	-0.428	-29.732	206.247
44200_4201	44200	4201	1.184	-1.879	0.643	0.428	37.283	-72.051
44201_4201	44201	4201	-1.184	1.879	-0.642	-0.377	-37.283	72.059
44201_4202	44201	4202	1.184	20.522	0.642	0.377	45.794	-195.576
44202_4202	44202	4202	-1.221	20.745	1.264	0.035	-45.794	195.586
44202_4203	44202	4203	1.221	0.388	-1.264	-0.035	29.993	-68.342
44203_4203	44203	4203	-1.221	-0.388	1.264	0.035	-29.993	68.342
44203_4204	44203	4204	1.221	21.521	-1.264	-0.035	14.193	-205.283
44204_4204	44204	4204	-1.175	22.019	-1.085	0.321	-14.193	205.289
44204_4205	44204	4205	1.175	-5.958	1.085	-0.321	24.502	-72.389
44205_4205	44205	4205	-1.176	5.958	-1.084	0.385	-24.502	72.385
44205_4206	44205	4206	1.176	7.145	1.084	-0.385	32.904	-76.985
44206_4206	44206	4206	-1.174	-7.145	-1.086	0.285	-32.904	76.985
44206_4207	44206	4207	1.174	20.247	1.086	-0.285	41.319	-183.138
44207_4207	44207	4207	-1.207	21.011	0.576	0.654	-41.319	183.139
44207_4208	44207	4208	1.207	-7.486	-0.576	-0.654	36.709	-69.145
44208_4208	44208	4208	-1.208	7.486	0.575	0.568	-36.709	69.146
44208_4209	44208	4209	1.208	6.039	-0.575	-0.568	32.11	-63.36
44209_4209	44209	4209	-1.208	-6.039	0.575	0.568	-32.11	63.36
44209_4210	44209	4210	1.208	19.564	-0.575	-0.568	27.512	-165.784
44210_4210	44210	4210	-1.218	20.372	0.796	0.82	-27.512	165.667
44210_4211	44210	4211	1.218	-10.228	-0.796	-0.82	22.735	-73.861
44211_4211	44211	4211	-1.218	10.228	0.796	0.818	-22.735	73.861

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44211_4212	44211	4212	1.218	-0.101	-0.796	-0.818	17.966	-42.923
44212_4212	44212	4212	-1.218	0.101	0.796	0.819	-17.966	42.923
44212_4213	44212	4213	1.218	10.043	-0.796	-0.819	13.188	-72.75
44213_4213	44213	4213	-1.218	-10.043	0.796	0.819	-13.188	72.75
44213_4214	44213	4214	1.218	20.186	-0.796	-0.819	8.411	-163.446
44214_4214	44214	4214	-1.213	20.007	1.118	0.99	-8.411	163.576
44214_4215	44214	4215	1.213	-6.482	-1.118	-0.99	-0.532	-57.615
44215_4215	44215	4215	-1.213	6.482	1.118	0.99	0.532	57.615
44215_4216	44215	4216	1.213	7.043	-1.118	-0.99	-9.475	-59.861
44216_4216	44216	4216	-1.213	-7.043	1.118	0.99	9.475	59.861
44216_4217	44216	4217	1.213	20.568	-1.118	-0.99	-18.418	-170.314
44217_4217	44217	4217	-1.216	19.866	1.271	1.082	18.418	170.443
44217_4218	44217	4218	1.216	-6.763	-1.271	-1.082	-28.27	-67.247
44218_4218	44218	4218	-1.214	6.763	1.273	1.169	28.27	67.246
44218_4219	44218	4219	1.214	6.339	-1.273	-1.169	-38.135	-65.6
44219_4219	44219	4219	-1.215	-6.339	1.272	1.1	38.135	65.6
44219_4220	44219	4220	1.215	22.399	-1.272	-1.1	-50.216	-202.116
44220_4220	44220	4220	-1.138	22.391	-0.783	0.84	50.216	202.052
44220_4221	44220	4221	1.138	-1.26	0.783	-0.84	-40.429	-54.236
44221_4221	44221	4221	-1.138	1.26	-0.783	0.84	40.429	54.236
44221_4222	44221	4222	1.138	19.871	0.783	-0.84	-30.642	-170.561
44222_4222	44222	4222	-1.142	17.202	-3.867	1.349	30.642	170.406
44222_4223	44222	4223	1.142	5.197	3.867	-1.349	20.591	-90.877
44223_4223	44223	4223	-1.144	-5.197	-3.866	2.138	-20.591	90.706
44223_4224	44223	4224	1.144	25.901	3.866	-2.138	66.017	-273.41
44224_4224	44224	4224	-1.092	22.161	4.207	0.82	-66.017	273.265
44224_4225	44224	4225	1.092	-7.64	-4.207	-0.82	31.347	-150.469
44225_4225	44225	4225	-1.09	7.64	4.207	0.839	-31.347	150.465
44225_4226	44225	4226	1.09	20.01	-4.207	-0.839	-34.672	-247.531
44226_4226	44226	4226	-1.061	22.395	0.007	0.623	34.672	247.476
44226_4227	44226	4227	1.061	-1.301	-0.007	-0.623	-34.758	-105.632
44227_4227	44227	4227	-1.061	1.301	0.013	1.24	34.758	105.627
44227_4228	44227	4228	1.061	19.796	-0.013	-1.24	-34.919	-216.355
44228_4228	44228	4228	-1.105	21.674	3.249	-0.331	34.919	216.405
44228_4229	44228	4229	1.105	-0.572	-3.249	0.331	-73.826	-83.194
44229_4229	44229	4229	-1.105	0.572	3.249	-0.331	73.826	83.194
44229_4230	44229	4230	1.105	20.529	-3.249	0.331	-112.733	-202.694
44230_4230	44230	4230	-0.79	21.478	-6.57	-0.478	112.733	202.702
44230_4231	44230	4231	0.79	0.064	6.57	0.478	-32.404	-71.799
44231_4231	44231	4231	-0.843	-0.064	-6.563	0.111	32.404	71.801
44231_4232	44231	4232	0.843	21.595	6.563	-0.111	47.8	-204.139
44232_4232	44232	4232	-1.022	21.574	0.089	-1.571	-47.8	204.292
44232_4233	44232	4233	1.022	-0.462	-0.089	1.571	46.734	-72.277
44233_4233	44233	4233	-1.022	0.462	0.088	-1.64	-46.734	72.271
44233_4234	44233	4234	1.022	20.703	-0.088	1.64	45.676	-193.835
44234_4234	44234	4234	-1.02	19.885	-0.093	-0.483	-45.676	193.889
44234_4235	44234	4235	1.02	-0.871	0.093	0.483	46.674	-81.895
44235_4235	44235	4235	-1.021	0.871	-0.079	0.265	-46.674	81.917
44235_4236	44235	4236	1.021	17.717	0.079	-0.265	47.46	-165.531
44236_4236	44236	4236	-1.63	17.27	12.784	-0.778	-47.46	165.583
44236_4237	44236	4237	1.63	1.563	-12.784	0.778	-81.113	-86.597
44237_4237	44237	4237	-1.625	-1.563	12.785	-0.745	81.113	86.597
44237_4238	44237	4238	1.625	21.541	-12.785	0.745	-217.507	-209.839

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44238_4238	44238	4238	0.106	23.914	-11.351	0.272	217.507	209.97
44238_4239	44238	4239	-0.106	-0.297	11.351	-0.272	-74.349	-57.297
44239_4239	44239	4239	0.036	0.297	-11.352	0.693	74.349	57.298
44239_4240	44239	4240	-0.036	21.958	11.352	-0.693	60.566	-186.015
44240_4240	44240	4240	-0.854	20.472	2.774	-0.047	-60.566	185.872
44240_4241	44240	4241	0.854	-2.371	-2.774	0.047	33.753	-75.47
44241_4241	44241	4241	-0.854	2.371	2.774	-0.052	-33.753	75.47
44241_4242	44241	4242	0.854	16.255	-2.774	0.052	6.162	-144.518
44242_4242	44242	4242	-0.743	18.061	0.961	0.534	-6.162	144.641
44242_4243	44242	4243	0.743	0.753	-0.961	-0.534	-3.49	-57.692
44243_4243	44243	4243	-0.744	-0.753	0.96	0.498	3.49	57.693
44243_4244	44243	4244	0.744	18.703	-0.96	-0.498	-12.694	-150.942
44244_4244	44244	4244	-0.688	18.717	-0.032	0.346	12.694	150.775
44244_4245	44244	4245	0.688	-1.432	0.032	-0.346	-12.394	-57.779
44245_4245	44245	4245	-0.688	1.432	-0.028	0.714	12.394	57.776
44245_4246	44245	4246	0.688	18.023	0.028	-0.714	-12.102	-143.965
44246_4246	44246	4246	-0.674	16.789	0.533	0.446	12.102	143.919
44246_4247	44246	4247	0.674	2.235	-0.533	-0.446	-17.521	-69.991
44247_4247	44247	4247	-0.674	-2.235	0.534	0.458	17.521	69.99
44247_4248	44247	4248	0.674	19.943	-0.534	-0.458	-22.566	-174.85
44248_4248	44248	4248	-0.531	21.545	0.106	-0.113	22.566	175.501
44248_4249	44248	4249	0.531	3.494	-0.106	0.113	-23.988	-54.817
44249_4249	44249	4249	-0.529	-3.494	0.114	0.71	23.988	54.812
44249_4250	44249	4250	0.529	24.333	-0.114	-0.71	-25.259	-209.646
44250_4250	44250	4250	-0.429	22.584	0.013	0.119	25.259	209.836
44250_4251	44250	4251	0.429	1.737	-0.013	-0.119	-25.425	-74.456
44251_4251	44251	4251	-0.429	-1.737	0.013	0.082	25.425	74.456
44251_4252	44251	4252	0.429	17.907	-0.013	-0.082	-25.533	-159.27
44252_4252	44252	4252	-0.385	17.751	-1.976	0.681	25.533	159.251
44252_4253	44252	4253	0.385	4.124	1.976	-0.681	-2.455	-79.656
44253_4253	44253	4253	-0.397	-4.124	-1.973	1.157	2.455	79.651
44253_4254	44253	4254	0.397	22.735	1.973	-1.157	17.156	-213.125
44254_4254	44254	4254	-0.471	19.777	2.266	-1.974	-17.156	212.79
44254_4255	44254	4255	0.471	5.136	-2.266	1.974	-11.403	-120.509
44255_4255	44255	4255	-0.472	-5.136	2.265	-2.046	11.403	120.507
44255_4256	44255	4256	0.472	28.635	-2.265	2.046	-38.338	-321.279
44256_4256	44256	4256	-0.409	24.02	-2.532	-2.211	38.338	321.539
44256_4257	44256	4257	0.409	-1.595	2.532	2.211	-9.608	-176.215
44257_4257	44257	4257	-0.429	1.595	-2.529	-0.88	9.608	176.227
44257_4258	44257	4258	0.429	21.548	2.529	0.88	20.003	-293.051
44258_4258	44258	4258	-0.442	21.725	-2.707	-1.882	-20.003	293.075
44258_4259	44258	4259	0.442	1.273	2.707	1.882	51.508	-174.071
44259_4259	44259	4259	-0.444	-1.273	-2.707	-1.752	-51.508	174.073
44259_4260	44259	4260	0.444	23.834	2.707	1.752	82.411	-317.389
44260_4260	44260	4260	-0.447	21.399	-4.187	-3.274	-82.411	317.346
44260_4261	44260	4261	0.447	1.461	4.187	3.274	130.85	-202.028
44261_4261	44261	4261	-0.495	-1.461	-4.182	-0.928	-130.85	202.052
44261_4262	44261	4262	0.495	24.139	4.182	0.928	178.838	-348.933
44262_4262	44262	4262	-0.354	21.833	5.827	-5.124	-178.838	349.112
44262_4263	44262	4263	0.354	3.259	-5.827	5.124	104.856	-231.199
44263_4263	44263	4263	-0.355	-3.259	5.827	-5.135	-104.856	231.199
44263_4264	44263	4264	0.355	25.976	-5.827	5.135	37.878	-399.226
44264_4264	44264	4264	-0.697	26.493	-20.04	-2.729	-37.878	399.343

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44264_4265	44264	4265	0.697	-1.167	20.04	2.729	294.681	-222.116
44265_4265	44265	4265	-0.789	1.167	-20.036	-1.701	-294.681	222.126
44265_4266	44265	4266	0.789	22.255	20.036	1.701	532.154	-347.095
44266_4266	44266	4266	0.286	25.776	24.248	-2.301	-532.154	347.086
44266_4267	44266	4267	-0.286	-5.212	-24.248	2.301	279.848	-185.869
44267_4267	44267	4267	0.287	5.212	24.248	-2.291	-279.848	185.869
44267_4268	44267	4268	-0.287	12.791	-24.248	2.291	58.955	-220.393
44268_4268	44268	4268	0.036	20.724	4.385	0.426	-58.955	220.359
44268_4269	44268	4269	-0.036	6.033	-4.385	-0.426	0.513	-122.472
44269_4269	44269	4269	0.086	-6.033	4.385	1.823	-0.513	122.459
44269_4270	44269	4270	-0.086	27.32	-4.385	-1.823	-45.975	-299.265
44270_4270	44270	4270	-0.079	36.628	-1.901	0.869	45.975	298.899
44270_4271	44270	4271	0.079	-8.984	1.901	-0.869	-19.794	15.11
44271_4271	44271	4271	-0.078	8.984	-1.901	0.871	19.794	-15.109
44271_4272	44271	4272	0.078	11.916	1.901	-0.871	0	-0.153
44372_4372	44372	4372	-0.077	8.76	-1.288	0.565	0	0.145
44372_4373	44372	4373	0.077	9.732	1.288	-0.565	15.942	-6.155
44373_4373	44373	4373	-0.078	-9.732	-1.288	0.568	-15.942	6.154
44373_4374	44373	4374	0.078	27.435	1.288	-0.568	31.205	-226.343
44374_4374	44374	4374	-0.027	19.763	1.864	0.82	-31.205	226.05
44374_4375	44374	4375	0.027	-2.364	-1.864	-0.82	9.493	-97.219
44375_4375	44375	4375	-0.026	2.364	1.865	0.879	-9.493	97.219
44375_4376	44375	4376	0.026	13.016	-1.865	-0.879	-9.698	-152.038
44376_4376	44376	4376	0.014	15.665	-0.332	0.371	9.698	152.258
44376_4377	44376	4377	-0.014	1.28	0.332	-0.371	-5.936	-70.691
44377_4377	44377	4377	0.01	-1.28	-0.332	1.225	5.936	70.682
44377_4378	44377	4378	-0.01	17.883	0.332	-1.225	-2.247	-177.15
44378_4378	44378	4378	-0.102	17.487	0.276	0.906	2.247	177.114
44378_4379	44378	4379	0.102	0.145	-0.276	-0.906	-5.503	-74.796
44379_4379	44379	4379	-0.102	-0.145	0.276	0.879	5.503	74.797
44379_4380	44379	4380	0.102	18.416	-0.276	-0.879	-8.876	-188.275
44380_4380	44380	4380	-0.117	15.979	-0.078	0.52	8.876	188.362
44380_4381	44380	4381	0.117	0.296	0.078	-0.52	-8.022	-102.947
44381_4381	44381	4381	-0.117	-0.296	-0.078	1.29	8.022	102.94
44381_4382	44381	4382	0.117	14.886	0.078	-1.29	-7.265	-177.065
44382_4382	44382	4382	-0.125	18.464	-0.631	1.491	7.265	176.87
44382_4383	44382	4383	0.125	-1.035	0.631	-1.491	0.099	-63.15
44383_4383	44383	4383	-0.125	1.035	-0.631	1.52	-0.099	63.149
44383_4384	44383	4384	0.125	16.426	0.631	-1.52	7.475	-153.082
44384_4384	44384	4384	-0.119	18.015	-0.157	2.048	-7.475	152.977
44384_4385	44384	4385	0.119	0.514	0.157	-2.048	9.432	-43.56
44385_4385	44385	4385	-0.119	-0.514	-0.156	2.072	-9.432	43.558
44385_4386	44385	4386	0.119	15.647	0.156	-2.072	11.031	-126.084
44386_4386	44386	4386	-0.113	18.096	0.423	1.816	-11.031	126.371
44386_4387	44386	4387	0.113	-0.388	-0.423	-1.816	5.972	-15.92
44387_4387	44387	4387	-0.109	0.388	0.424	1.955	-5.972	15.903
44387_4388	44387	4388	0.109	17.766	-0.424	-1.955	0.773	-122.361
44388_4388	44388	4388	-0.105	18.28	0.621	1.685	-0.773	122.83
44388_4389	44388	4389	0.105	0.59	-0.621	-1.685	-7.139	-10.189
44389_4389	44389	4389	-0.105	-0.59	0.621	1.683	7.139	10.189
44389_4390	44389	4390	0.105	17.587	-0.621	-1.683	-14.265	-114.438
44390_4390	44390	4390	-0.102	17.969	0.399	1.121	14.265	114.371
44390_4391	44390	4391	0.102	1.539	-0.399	-1.121	-19.522	-6.216

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44391_4391	44391	4391	-0.099	-1.539	0.4	1.172	19.522	6.207
44391_4392	44391	4392	0.099	17.894	-0.4	-1.172	-23.939	-113.457
44392_4392	44392	4392	-0.102	17.456	0.073	0.492	23.939	113.498
44392_4393	44392	4393	0.102	0.915	-0.073	-0.492	-24.846	-10.958
44393_4393	44393	4393	-0.102	-0.915	0.073	0.496	24.846	10.958
44393_4394	44393	4394	0.102	18.403	-0.073	-0.496	-25.71	-124.954
44394_4394	44394	4394	-0.09	18.323	1.673	-0.282	25.71	124.765
44394_4395	44394	4395	0.09	-0.742	-1.673	0.282	-45.56	-11.659
44395_4395	44395	4395	-0.074	0.742	1.674	-0.169	45.56	11.662
44395_4396	44395	4396	0.074	17.527	-1.674	0.169	-66.197	-115.131
44396_4396	44396	4396	-0.105	12.963	-3.06	-0.978	66.197	115.467
44396_4397	44396	4397	0.105	4.953	3.06	0.978	-29.199	-67.039
44397_4397	44397	4397	-0.104	-4.953	-3.06	-1.006	29.199	67.039
44397_4398	44397	4398	0.104	22.899	3.06	1.006	7.859	-235.694
44398_4398	44398	4398	-0.082	30.147	0.261	-0.749	-7.859	235.502
44398_4399	44398	4399	0.082	-11.383	-0.261	0.749	4.558	27.448
44399_4399	44399	4399	-0.081	11.383	0.261	-0.841	-4.558	-27.445
44399_4400	44399	4400	0.081	7.32	-0.261	0.841	1.264	53.089
44400_4400	44400	4400	-0.08	-7.32	0.261	-0.888	-1.264	-53.088
44400_4401	44400	4401	0.08	14.499	-0.261	0.888	0	0.231
44572_4572	44572	4572	-0.022	8.847	-0.191	0.708	0	-0.02
44572_4573	44572	4573	0.022	9.654	0.191	-0.708	2.364	-4.974
44573_4573	44573	4573	-0.022	-9.654	-0.191	0.71	-2.364	4.973
44573_4574	44573	4574	0.022	27.228	0.191	-0.71	4.609	-221.871
44574_4574	44574	4574	-0.027	19.274	0.105	0.595	-4.609	222.014
44574_4575	44574	4575	0.027	-2.157	-0.105	-0.595	3.403	-99.26
44575_4575	44575	4575	-0.027	2.157	0.105	0.635	-3.403	99.26
44575_4576	44575	4576	0.027	13.061	-0.105	-0.635	2.332	-154.793
44576_4576	44576	4576	-0.032	15.917	0.256	0.284	-2.332	154.877
44576_4577	44576	4577	0.032	1.077	-0.256	-0.284	-0.576	-70.48
44577_4577	44577	4577	-0.028	-1.077	0.256	1.196	0.576	70.47
44577_4578	44577	4578	0.028	17.961	-0.256	-1.196	-3.47	-178.036
44578_4578	44578	4578	0.101	17.294	0.529	0.779	3.47	178.05
44578_4579	44578	4579	-0.101	0.041	-0.529	-0.779	-9.607	-77.963
44579_4579	44579	4579	0.101	-0.041	0.529	0.724	9.607	77.964
44579_4580	44579	4580	-0.101	18.488	-0.529	-0.724	-16.138	-192.34
44580_4580	44580	4580	0.075	16.454	-0.664	0.526	16.138	192.362
44580_4581	44580	4581	-0.075	-0.232	0.664	-0.526	-8.925	-101.784
44581_4581	44581	4581	0.071	0.232	-0.665	1.093	8.925	101.779
44581_4582	44581	4582	-0.071	14.315	0.665	-1.093	-2.453	-170.333
44582_4582	44582	4582	0.07	18.33	-0.276	1.14	2.453	170.47
44582_4583	44582	4583	-0.07	-1.214	0.276	-1.14	0.705	-58.535
44583_4583	44583	4583	0.07	1.214	-0.276	1.188	-0.705	58.534
44583_4584	44583	4584	-0.07	16.395	0.276	-1.188	3.955	-147.986
44584_4584	44584	4584	0.063	17.869	-0.622	1.469	-3.955	148.135
44584_4585	44584	4585	-0.063	0.515	0.622	-1.469	11.677	-40.486
44585_4585	44585	4585	0.063	-0.515	-0.622	1.476	-11.677	40.485
44585_4586	44585	4586	-0.063	15.698	0.622	-1.476	18.054	-123.549
44586_4586	44586	4586	0.07	18.027	0.8	1.496	-18.054	123.198
44586_4587	44586	4587	-0.07	-0.535	-0.8	-1.496	8.613	-13.641
44587_4587	44587	4587	0.076	0.535	0.799	1.591	-8.613	13.63
44587_4588	44587	4588	-0.076	17.73	-0.799	-1.591	-1.24	-119.611
44588_4588	44588	4588	0.07	18.115	0.385	1.372	1.24	119.236

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44588_4589	44588	4589	-0.07	0.582	-0.385	-1.372	-6.101	-8.623
44589_4589	44589	4589	0.07	-0.582	0.385	1.362	6.101	8.625
44589_4590	44589	4590	-0.07	17.629	-0.385	-1.362	-10.534	-113.38
44590_4590	44590	4590	0.072	17.868	0.379	0.969	10.534	113.529
44590_4591	44590	4591	-0.072	1.528	-0.379	-0.969	-15.49	-6.585
44591_4591	44591	4591	0.075	-1.528	0.378	1.02	15.49	6.577
44591_4592	44591	4592	-0.075	17.891	-0.378	-1.02	-19.665	-113.795
44592_4592	44592	4592	0.074	17.415	0.33	0.538	19.665	113.844
44592_4593	44592	4593	-0.074	0.705	-0.33	-0.538	-23.696	-11.669
44593_4593	44593	4593	0.074	-0.705	0.33	0.528	23.696	11.67
44593_4594	44593	4594	-0.074	18.332	-0.33	-0.528	-27.618	-124.906
44594_4594	44594	4594	0.081	17.927	0.81	-0.11	27.618	124.449
44594_4595	44594	4595	-0.081	-0.335	-0.81	0.11	-37.232	-16.037
44595_4595	44595	4595	0.087	0.335	0.809	0.02	37.232	16.037
44595_4596	44595	4596	-0.087	17.815	-0.809	-0.02	-47.143	-123.095
44596_4596	44596	4596	0.06	14.074	-1.751	-0.276	47.143	122.995
44596_4597	44596	4597	-0.06	3.822	1.751	0.276	-25.998	-61.083
44597_4597	44597	4597	0.062	-3.822	-1.751	-0.335	25.998	61.083
44597_4598	44597	4598	-0.062	21.667	1.751	0.335	-4.912	-214.564
44598_4598	44598	4598	0.053	27.863	-0.183	-0.322	4.912	214.7
44598_4599	44598	4599	-0.053	-9.138	0.183	0.322	-2.595	19.083
44599_4599	44599	4599	0.052	9.138	-0.184	-0.379	2.595	-19.082
44599_4600	44599	4600	-0.052	9.494	0.184	0.379	-0.288	16.842
44600_4600	44600	4600	0.052	-9.494	-0.184	-0.407	0.288	-16.842
44600_4601	44600	4601	-0.052	11.817	0.184	0.407	0	0.141
45000_5000	45000	5000	5.533	457.955	3.479	5.171	0	23.739
45000_5001	45000	5001	-5.533	-420.855	-3.479	-5.171	-44.266	5566.703
45001_5001	45001	5001	5.538	420.855	3.472	-2.309	44.266	-5566.71
45001_5002	45001	5002	-5.538	-392.028	-3.472	2.309	-78.588	9584.723
45002_5002	45002	5002	5.502	340.949	-3.459	11.965	78.588	-9584.86
45002_5003	45002	5003	-5.502	-305.535	3.459	-11.965	-36.586	13510.49
45003_5003	45003	5003	5.496	305.535	-3.467	-8.657	36.586	-13510.5
45003_5004	45003	5004	-5.496	-270.158	3.467	8.657	5.475	17002.65
45004_5004	45004	5004	5.518	224.981	1.053	9.813	-5.475	-17002.9
45004_5005	45004	5005	-5.518	-189.582	-1.053	-9.813	-7.309	19519.2
45005_5005	45005	5005	5.519	189.582	1.048	-8.175	7.309	-19519.2
45005_5006	45005	5006	-5.519	-154.158	-1.048	8.175	-20.04	21607.08
45006_5006	45006	5006	5.514	105.42	-0.3	18.846	20.04	-21607.3
45006_5007	45006	5007	-5.514	-70.028	0.3	-18.846	-16.398	22672.02
45007_5007	45007	5007	5.513	70.028	-0.309	-18.225	16.398	-22672
45007_5008	45007	5008	-5.513	-34.644	0.309	18.225	-12.648	23307.08
45008_5008	45008	5008	5.522	-12.395	0.94	18.484	12.648	-23307.4
45008_5009	45008	5009	-5.522	47.804	-0.94	-18.484	-24.062	22941.88
45009_5009	45009	5009	5.524	-47.804	0.931	-19.021	24.062	-22941.9
45009_5010	45009	5010	-5.524	83.207	-0.931	19.021	-35.364	22146.6
45010_5010	45010	5010	5.52	-130.428	-0.094	-0.774	35.364	-22147
45010_5011	45010	5011	-5.52	165.824	0.094	0.774	-34.224	20348.99
45011_5011	45011	5011	5.52	-165.824	-0.094	-0.774	34.224	-20349
45011_5012	45011	5012	-5.52	201.219	0.094	0.774	-33.084	18121.39
45012_5012	45012	5012	5.52	-247.667	-0.056	4.186	33.084	-18121.7
45012_5013	45012	5013	-5.52	283.081	0.056	-4.186	-32.401	14898.86
45013_5013	45013	5013	5.52	-283.081	-0.06	-6.562	32.401	-14898.9
45013_5014	45013	5014	-5.52	318.463	0.06	6.562	-31.67	11249.48

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45014_5014	45014	5014	5.528	-364.35	1.224	1.339	31.67	-11249.6
45014_5015	45014	5015	-5.528	411.44	-1.224	-1.339	-51.438	4985.618
45015_5015	45015	5015	10.208	-411.348	1.22	-3.525	51.404	-4982.11
45015_5016	45015	5016	-10.464	433.838	-1.22	3.525	-61.476	1493.517
45016_5016	45016	5016	21.282	-479.991	-0.559	-2.03	61.478	-1495.13
45016_5017	45016	5017	-22.335	512.077	0.559	2.03	-54.905	-4333.63
45017_5017	45017	5017	36.651	-511.243	-0.564	0.336	55.065	4333.844
45017_5018	45017	5018	-39.019	550.137	0.564	-0.336	-47.568	-11384.1
45018_5018	45018	5018	58.439	-592.798	0.179	-9.253	46.825	11384.06
45018_5019	45018	5019	-61.87	631.244	-0.179	9.253	-49.062	-19054.2
45019_5019	45019	5019	79.184	-629.304	0.173	7.792	50.939	19054.18
45019_5020	45019	5020	-83.979	670.273	-0.173	-7.792	-53.117	-27232.4
45020_5020	45020	5020	-2531.46	207.11	-15.894	-2.113	393.315	5866.656
45020_5021	45020	5021	2531.462	-180.548	15.894	2.113	-242.382	-4026.05
45021_5021	45021	5021	-2531.47	180.548	-15.492	-1.28	242.382	4019.247
45021_5022	45021	5022	2531.465	-160.963	15.492	1.28	-122.229	-2694.93
45022_5022	45022	5022	-2531.48	160.963	-12.597	1.802	122.229	2694.931
45022_5023	45022	5023	2531.481	-141.405	12.597	-1.802	-24.672	-1524.07
45023_5023	45023	5023	-2531.5	97.945	-6.36	-0.037	24.672	1524.069
45023_5024	45023	5024	2531.502	-77.732	6.36	0.037	26.238	-820.994
45024_5024	45024	5024	-2531.49	77.732	-9.841	-1.166	-26.238	820.993
45024_5025	45024	5025	2531.49	-57.541	9.841	1.166	104.923	-280.219
45025_5025	45025	5025	-2531.51	57.541	-3.215	-0.432	-104.923	280.221
45025_5026	45025	5026	2531.508	-37.331	3.215	0.432	130.651	99.416
45026_5026	45026	5026	-2531.51	-9.046	-2.584	-0.711	-130.651	-99.415
45026_5027	45026	5027	2531.511	24.203	2.584	0.711	146.162	-0.369
45027_5027	45027	5027	-2531.51	-24.203	-3.021	-0.711	-146.162	0.369
45027_5028	45027	5028	2531.511	39.335	3.021	0.711	164.263	-190.736
45028_5028	45028	5028	-2531.51	-39.335	-2.584	-0.678	-164.263	190.736
45028_5029	45028	5029	2531.511	54.493	2.584	0.678	179.775	-472.319
45029_5029	45029	5029	-2531.51	-54.493	1.611	0.105	-179.775	472.32
45029_5030	45029	5030	2531.512	69.647	-1.611	-0.105	170.105	-844.806
45030_5030	45030	5030	-2531.52	-115.745	1.09	-1.985	-170.105	844.782
45030_5031	45030	5031	2531.522	135.95	-1.09	1.985	161.385	-1851.7
45031_5031	45031	5031	-2531.52	-135.95	4.238	0.318	-161.385	1851.705
45031_5032	45031	5032	2531.519	156.153	-4.238	-0.318	127.481	-3020.13
45032_5032	45032	5032	-2531.52	-156.153	4.238	0.318	-127.481	3020.134
45032_5033	45032	5033	2531.519	176.356	-4.238	-0.318	93.577	-4350.19
45033_5033	45033	5033	-2531.47	-220.709	12.498	-2.95	-93.577	4350.3
45033_5034	45033	5034	2531.47	240.273	-12.498	2.95	-3.249	-6136
45034_5034	45034	5034	-2531.47	-240.273	12.498	-2.95	3.249	6135.999
45034_5035	45034	5035	2531.47	259.838	-12.498	2.95	-100.074	-8073.27
45035_5035	45035	5035	-2531.46	-259.838	15.036	5.216	100.074	8080.428
45035_5036	45035	5036	2531.456	286.34	-15.036	-5.216	-242.537	-10667.9
45036_5036	45036	5036	85.85	556.105	0.915	-31.066	-4.622	33347.63
45036_5037	45036	5037	-81.055	-515.059	-0.915	31.066	-6.915	-26594.9
45037_5037	45037	5037	66.919	517.11	0.869	27.911	0.799	26594.91
45037_5038	45037	5038	-63.487	-478.604	-0.869	-27.911	-11.701	-20346.4
45038_5038	45038	5038	47.644	440.936	-0.414	-6.48	14.535	20347.17
45038_5039	45038	5039	-45.276	-402.089	0.414	6.48	-9.036	-14754.3
45039_5039	45039	5039	33.379	403.135	-0.449	17.958	8.167	14716.93
45039_5040	45039	5040	-32.338	-371.39	0.449	-17.958	-2.884	-10165
45040_5040	45040	5040	24.216	322.503	0.48	-3.345	3.384	10165.59

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45040_5041	45040	5041	-23.966	-300.481	-0.48	3.345	-7.345	-7597.5
45041_5041	45041	5041	20.735	300.831	0.467	1.515	7.319	7586.884
45041_5042	45041	5042	-20.735	-263.197	-0.467	-1.515	-14.655	-3152.43
45042_5042	45042	5042	20.73	215.585	-0.517	0.041	14.655	3152.484
45042_5043	45042	5043	-20.73	-187.041	0.517	-0.041	-8.492	-751.558
45043_5043	45043	5043	20.73	187.041	-0.517	0.041	8.492	751.558
45043_5044	45043	5044	-20.73	-158.498	0.517	-0.041	-2.328	1308.946
45044_5044	45044	5044	20.734	113.624	0.069	0.237	2.328	-1308.96
45044_5045	45044	5045	-20.734	-85.062	-0.069	-0.237	-3.156	2494.484
45045_5045	45045	5045	20.734	85.062	0.071	0.416	3.156	-2494.48
45045_5046	45045	5046	-20.734	-56.525	-0.071	-0.416	-4.001	3338.607
45046_5046	45046	5046	20.734	11.257	0.113	3.158	4.001	-3338.66
45046_5047	45046	5047	-20.734	17.3	-0.113	-3.158	-5.345	3302.604
45047_5047	45047	5047	20.734	-17.3	0.079	-2.132	5.345	-3302.61
45047_5048	45047	5048	-20.734	45.83	-0.079	2.132	-6.292	2926.34
45048_5048	45048	5048	20.732	-90.743	-0.261	2.057	6.292	-2926.39
45048_5049	45048	5049	-20.732	119.295	0.261	-2.057	-3.18	1673.565
45049_5049	45049	5049	20.732	-119.295	-0.296	-0.74	3.18	-1673.57
45049_5050	45049	5050	-20.732	147.842	0.296	0.74	0.345	80.377
45050_5050	45050	5050	20.733	-192.007	0.479	-0.617	-0.345	-80.413
45050_5051	45050	5051	-20.733	229.604	-0.479	0.617	-7.177	-3231.14
45051_5051	45051	5051	23.547	-229.242	0.45	3.856	7.215	3234.805
45051_5052	45051	5052	-23.778	249.6	-0.45	-3.856	-10.927	-5211.28
45052_5052	45052	5052	30.977	-294.568	0.129	-5.55	10.706	5211.229
45052_5053	45052	5053	-31.937	323.819	-0.129	5.55	-12.226	-8844.25
45053_5053	45053	5053	41.308	-322.647	0.09	10.884	13.096	8851.527
45053_5054	45053	5054	-43.603	360.193	-0.09	-10.884	-14.287	-13381.7
45054_5054	45054	5054	57.578	-399.486	-0.033	-13.424	12.423	13381.53
45054_5055	45054	5055	-60.895	436.612	0.033	13.424	-12.005	-18628.9
45055_5055	45055	5055	73.045	-434.687	-0.066	15.749	15.147	18628.9
45055_5056	45055	5056	-77.663	474.066	0.066	-15.749	-14.308	-24347.8
45056_5056	45056	5056	-2079.37	264.854	-8.3	0.77	158.992	8031.196
45056_5057	45056	5057	2079.366	-239.121	8.3	-0.77	-80.198	-5638.91
45057_5057	45057	5057	-2079.36	239.121	-9.131	-1.392	80.198	5605.473
45057_5058	45057	5058	2079.363	-218.577	9.131	1.392	-9.441	-3832
45058_5058	45058	5058	-2079.37	218.577	-6.454	3.54	9.441	3831.995
45058_5059	45058	5059	2079.373	-198.035	6.454	-3.54	40.569	-2217.87
45059_5059	45059	5059	-2079.37	156.282	-7.483	-0.768	-40.569	2217.868
45059_5060	45059	5060	2079.372	-135.049	7.483	0.768	100.508	-1051.15
45060_5060	45060	5060	-2079.38	135.049	-2.478	1.762	-100.508	1051.145
45060_5061	45060	5061	2079.384	-113.845	2.478	-1.762	120.331	-55.787
45061_5061	45061	5061	-2079.38	113.845	-2.478	1.762	-120.331	55.787
45061_5062	45061	5062	2079.384	-92.642	2.478	-1.762	140.153	769.98
45062_5062	45062	5062	-2079.39	48.945	-0.633	1.846	-140.153	-769.937
45062_5063	45062	5063	2079.387	-33.03	0.633	-1.846	143.951	1015.997
45063_5063	45063	5063	-2079.39	33.03	-0.864	1.959	-143.951	-1016
45063_5064	45063	5064	2079.387	-17.141	0.864	-1.959	149.127	1166.343
45064_5064	45064	5064	-2079.39	17.141	2.824	-0.109	-149.127	-1166.34
45064_5065	45064	5065	2079.385	-1.228	-2.824	0.109	132.177	1221.477
45065_5065	45065	5065	-2079.39	1.228	2.824	-0.109	-132.177	-1221.48
45065_5066	45065	5066	2079.385	14.685	-2.824	0.109	115.226	1181.087
45066_5066	45066	5066	-2079.39	-58.649	4.727	0.842	-115.226	-1180.99
45066_5067	45066	5067	2079.386	79.847	-4.727	-0.842	77.429	627.261

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45067_5067	45067	5067	-2079.39	-79.847	4.727	0.842	-77.429	-627.261
45067_5068	45067	5068	2079.386	101.045	-4.727	-0.842	39.632	-95.97
45068_5068	45068	5068	-2079.38	-101.045	7.485	0.969	-39.632	95.969
45068_5069	45068	5069	2079.378	122.268	-7.485	-0.969	-20.286	-989.85
45069_5069	45069	5069	-2079.36	-163.276	9.941	-2.49	20.286	989.918
45069_5070	45069	5070	2079.361	183.808	-9.941	2.49	-97.279	-2333.98
45070_5070	45070	5070	-2079.35	-183.808	12.784	0.701	97.279	2333.985
45070_5071	45070	5071	2079.345	204.365	-12.784	-0.701	-196.408	-3838.98
45071_5071	45071	5071	-2079.34	-204.365	14.02	3.28	196.408	3868.515
45071_5072	45071	5072	2079.337	230.106	-14.02	-3.28	-329.562	-5931.63
45072_5072	45072	5072	86.097	509.477	0.11	-11.429	37.723	21970.16
45072_5073	45072	5073	-81.479	-470.102	-0.11	11.429	-39.103	-15807
45073_5073	45073	5073	68.425	472.23	0.069	12.665	36.394	15807
45073_5074	45073	5074	-65.108	-435.115	-0.069	-12.665	-37.253	-10114.8
45074_5074	45074	5074	50.47	399.149	0.044	2.372	38.265	10115.09
45074_5075	45074	5075	-48.176	-361.59	-0.044	-2.372	-38.853	-5066.74
45075_5075	45075	5075	37.194	362.958	-0.011	10.766	38.665	5066.12
45075_5076	45075	5076	-36.265	-334.656	0.011	-10.766	-38.54	-966.915
45076_5076	45076	5076	28.85	289.902	-0.233	0.649	38.755	967.075
45076_5077	45076	5077	-28.627	-270.222	0.233	-0.649	-36.836	1344.159
45077_5077	45077	5077	25.676	270.615	-0.264	-1.44	36.856	-1349.67
45077_5078	45077	5078	-25.676	-234.557	0.264	1.44	-33.087	4951.61
45078_5078	45078	5078	25.674	194.079	-0.353	6.512	33.087	-4951.72
45078_5079	45078	5079	-25.674	-165.721	0.353	-6.512	-29.127	6969.3
45079_5079	45079	5079	25.673	165.721	-0.399	-5.901	29.127	-6969.3
45079_5080	45079	5080	-25.673	-137.365	0.399	5.901	-24.654	8668.704
45080_5080	45080	5080	25.675	97.671	-0.039	8.775	24.654	-8668.79
45080_5081	45080	5081	-25.675	-69.316	0.039	-8.775	-24.212	9605.083
45081_5081	45081	5081	25.675	69.316	-0.085	-8.335	24.212	-9605.08
45081_5082	45081	5082	-25.675	-40.963	0.085	8.335	-23.257	10223.36
45082_5082	45082	5082	25.674	-0.233	-0.271	0.342	23.257	-10223.5
45082_5083	45082	5083	-25.674	30.685	0.271	-0.342	-19.995	10037.34
45083_5083	45083	5083	25.674	-30.685	-0.272	-0.045	19.995	-10037.3
45083_5084	45083	5084	-25.674	61.162	0.272	0.045	-16.718	9483.831
45084_5084	45084	5084	25.673	-102.347	-0.275	7.349	16.718	-9483.98
45084_5085	45084	5085	-25.673	130.696	0.275	-7.349	-13.634	8177.634
45085_5085	45085	5085	25.673	-130.696	-0.321	-7.226	13.634	-8177.63
45085_5086	45085	5086	-25.673	159.042	0.321	7.226	-10.038	6553.612
45086_5086	45086	5086	25.673	-198.453	-0.186	3.809	10.038	-6553.68
45086_5087	45086	5087	-25.673	226.799	0.186	-3.809	-7.951	4170.079
45087_5087	45087	5087	25.673	-226.799	-0.233	-3.777	7.951	-4170.08
45087_5088	45087	5088	-25.673	255.169	0.233	3.777	-5.338	1466.375
45088_5088	45088	5088	25.677	-293.302	0.114	-1.519	5.338	-1466.37
45088_5089	45088	5089	-25.677	327.997	-0.114	1.519	-6.9	-2796.06
45089_5089	45089	5089	29.508	-327.603	0.081	1.951	6.92	2806.48
45089_5090	45089	5090	-29.744	348.39	-0.081	-1.951	-7.588	-5593.81
45090_5090	45090	5090	38.767	-390.344	-0.42	-11.594	7.196	5593.732
45090_5091	45090	5091	-39.748	420.246	0.42	11.594	-2.264	-10357.6
45091_5091	45091	5091	51.677	-418.843	-0.473	9.661	3.233	10358.44
45091_5092	45091	5092	-53.927	455.773	0.473	-9.661	3.042	-16161.6
45092_5092	45092	5092	70.471	-494.878	-0.375	-9.371	-4.47	16161.41
45092_5093	45092	5093	-73.728	531.397	0.375	9.371	9.17	-22598.4
45093_5093	45093	5093	88.385	-529.111	-0.396	9.434	-7.242	22598.42

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45093_5094	45093	5094	-92.926	567.917	0.396	-9.434	12.227	-29503.8
45094_5094	45094	5094	-2377.32	235.409	-6.449	-3.461	69.508	8656.194
45094_5095	45094	5095	2377.315	-210.118	6.449	3.461	-8.275	-6541.04
45095_5095	45095	5095	-2377.32	210.118	-5.48	-0.813	8.275	6543.966
45095_5096	45095	5096	2377.317	-190.058	5.48	0.813	34.219	-4992.48
45096_5096	45096	5096	-2377.32	190.058	-2.511	5.423	-34.219	4992.477
45096_5097	45096	5097	2377.322	-170.024	2.511	-5.423	53.662	-3598.29
45097_5097	45097	5097	-2377.33	129.942	0.327	-0.83	-53.662	3598.255
45097_5098	45097	5098	2377.327	-109.236	-0.327	0.83	51.041	-2641.11
45098_5098	45098	5098	-2377.33	109.236	0.327	-0.83	-51.041	2641.112
45098_5099	45098	5099	2377.327	-88.53	-0.327	0.83	48.42	-1849.69
45099_5099	45099	5099	-2377.32	88.53	3.211	1.414	-48.42	1849.693
45099_5100	45099	5100	2377.324	-67.85	-3.211	-1.414	22.753	-1224.7
45100_5100	45100	5100	-2377.33	25.401	3.769	1.75	-22.753	1224.697
45100_5101	45100	5101	2377.325	-9.872	-3.769	-1.75	0.129	-1118.84
45101_5101	45101	5101	-2377.32	9.872	7.728	3.613	-0.129	1118.833
45101_5102	45101	5102	2377.315	5.657	-7.728	-3.613	-46.257	-1106.18
45102_5102	45102	5102	-2377.31	-5.657	-8.106	-3.755	46.257	1106.183
45102_5103	45102	5103	2377.314	21.188	8.106	3.755	2.407	-1186.76
45103_5103	45103	5103	-2377.32	-21.188	-4.274	-1.841	-2.407	1186.765
45103_5104	45103	5104	2377.324	36.692	4.274	1.841	28.019	-1360.2
45104_5104	45104	5104	-2377.33	-79.413	-2.81	-1.722	-28.019	1360.209
45104_5105	45104	5105	2377.326	100.12	2.81	1.722	50.513	-2078.69
45105_5105	45105	5105	-2377.33	-100.12	0.069	0.796	-50.513	2078.693
45105_5106	45105	5106	2377.327	120.8	-0.069	-0.796	49.959	-2961.67
45106_5106	45106	5106	-2377.33	-120.8	0.158	0.907	-49.959	2961.668
45106_5107	45106	5107	2377.327	141.507	-0.158	-0.907	48.69	-4011.37
45107_5107	45107	5107	-2377.32	-181.437	4.508	-2.992	-48.69	4011.424
45107_5108	45107	5108	2377.321	201.495	-4.508	2.992	13.739	-5495.89
45108_5108	45108	5108	-2377.32	-201.495	4.421	-3.194	-13.739	5495.887
45108_5109	45108	5109	2377.321	221.528	-4.421	3.194	-20.493	-7133.65
45109_5109	45109	5109	-2377.32	-221.528	6.928	4.341	20.493	7129.754
45109_5110	45109	5110	2377.315	246.841	-6.928	-4.341	-86.333	-9355.34
45110_5110	45110	5110	87.464	549.839	0.009	-18.827	10.508	30348.93
45110_5111	45110	5111	-82.923	-511.043	-0.009	18.827	-10.628	-23673.3
45111_5111	45111	5111	68.805	513.186	-0.026	18.124	6.72	23673.3
45111_5112	45111	5112	-65.548	-476.678	0.026	-18.124	-6.388	-17467
45112_5112	45112	5112	49.928	442.76	0.172	-3.31	8.223	17467.38
45112_5113	45112	5113	-47.678	-405.817	-0.172	3.31	-10.511	-11835.1
45113_5113	45113	5113	35.593	407.171	0.144	11.022	10.012	11842.33
45113_5114	45113	5114	-34.621	-377.558	-0.144	-11.022	-11.698	-7229.06
45114_5114	45114	5114	26.385	334.227	0.253	-0.444	11.981	7229.305
45114_5115	45114	5115	-26.151	-313.662	-0.253	0.444	-14.062	-4559.33
45115_5115	45115	5115	22.744	314.012	0.246	0.586	14.06	4546.183
45115_5116	45115	5116	-22.744	-280.478	-0.246	-0.586	-17.571	-312.533
45116_5116	45116	5116	22.743	239.53	-0.637	1.174	17.571	312.534
45116_5117	45116	5117	-22.743	-213.132	0.637	-1.174	-10.435	2225.081
45117_5117	45117	5117	22.743	213.132	-0.657	-0.81	10.435	-2225.08
45117_5118	45117	5118	-22.743	-186.735	0.657	0.81	-3.071	4466.692
45118_5118	45118	5118	22.743	147.8	0.257	2.984	3.071	-4466.7
45118_5119	45118	5119	-22.743	-121.404	-0.257	-2.984	-5.947	5975.785
45119_5119	45119	5119	22.743	121.404	0.236	-2.346	5.947	-5975.79
45119_5120	45119	5120	-22.743	-95.008	-0.236	2.346	-8.597	7188.914

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45120_5120	45120	5120	22.744	54.528	-0.331	9.869	8.597	-7188.91
45120_5121	45120	5121	-22.744	-26.154	0.331	-9.869	-4.612	7675.07
45121_5121	45121	5121	22.743	26.154	-0.387	-9.156	4.612	-7675.07
45121_5122	45121	5122	-22.743	2.195	0.387	9.156	0.049	7819.314
45122_5122	45122	5122	22.743	-41.934	-0.046	3.599	-0.049	-7819.32
45122_5123	45122	5123	-22.743	68.329	0.046	-3.599	0.562	7201.255
45123_5123	45123	5123	22.743	-68.329	-0.066	-2.824	-0.562	-7201.26
45123_5124	45123	5124	-22.743	94.723	0.066	2.824	1.303	6287.297
45124_5124	45124	5124	22.742	-132.859	-0.014	4.505	-1.303	-6287.3
45124_5125	45124	5125	-22.742	159.253	0.014	-4.505	1.463	4649.93
45125_5125	45125	5125	22.741	-159.253	-0.055	-3.791	-1.463	-4649.93
45125_5126	45125	5126	-22.741	185.647	0.055	3.791	2.077	2716.705
45126_5126	45126	5126	22.737	-221.317	-0.615	-0.054	-2.077	-2716.72
45126_5127	45126	5127	-22.737	253.503	0.615	0.054	10.487	-528.76
45127_5127	45127	5127	25.773	-253.148	-0.644	0.914	-10.481	536.015
45127_5128	45127	5128	-25.987	272.052	0.644	-0.914	15.792	-2702.61
45128_5128	45128	5128	33.29	-308.407	1.441	-4.425	-15.957	2702.518
45128_5129	45128	5129	-34.182	335.618	-1.441	4.425	-0.988	-6487.95
45129_5129	45129	5129	43.772	-334.377	1.394	8.998	1.685	6485.735
45129_5130	45129	5130	-45.951	370.148	-1.394	-8.998	-20.185	-11160.7
45130_5130	45130	5130	59.951	-407.447	-3.661	-6.665	19.061	11160.58
45130_5131	45130	5131	-63.11	442.876	3.661	6.665	26.874	-16494.9
45131_5131	45131	5131	75.389	-440.908	-3.679	7.194	-25.489	16494.92
45131_5132	45131	5132	-79.801	478.594	3.679	-7.194	71.783	-22279.5
45132_5132	45132	5132	-2004.56	227.11	22.903	9.653	-290.274	6479.22
45132_5133	45132	5133	2004.562	-202.64	-22.903	-9.653	72.7	-4437.91
45133_5133	45133	5133	-2004.53	202.64	25.489	15.501	-72.7	4469.678
45133_5134	45133	5134	2004.531	-184.389	-25.489	-15.501	-124.841	-2969.94
45134_5134	45134	5134	-2004.69	184.389	-0.346	-22.775	124.841	2969.892
45134_5135	45134	5135	2004.693	-166.114	0.346	22.775	-122.154	-1609.85
45135_5135	45135	5135	-2004.68	118.123	-3.515	-0.503	122.154	1610.221
45135_5136	45135	5136	2004.68	-99.282	3.515	0.503	-94.035	-740.548
45136_5136	45136	5136	-2004.68	99.282	-1.009	0.423	94.035	740.548
45136_5137	45136	5137	2004.683	-80.442	1.009	-0.423	-85.961	-21.618
45137_5137	45137	5137	-2004.68	80.442	-3.543	0.396	85.961	21.618
45137_5138	45137	5138	2004.68	-61.625	3.543	-0.396	-57.652	545.972
45138_5138	45138	5138	-2004.69	16.468	-2.977	0.554	57.652	-546.1
45138_5139	45138	5139	2004.691	-2.337	2.977	-0.554	-39.79	602.52
45139_5139	45139	5139	-2004.69	2.337	0.364	-0.45	39.79	-602.52
45139_5140	45139	5140	2004.693	11.793	-0.364	0.45	-41.974	574.153
45140_5140	45140	5140	-2004.69	-11.793	-2.977	0.506	41.974	-574.153
45140_5141	45140	5141	2004.691	25.923	2.977	-0.506	-24.113	460.998
45141_5141	45141	5141	-2004.69	-25.923	0.364	-0.262	24.113	-460.998
45141_5142	45141	5142	2004.693	40.053	-0.364	0.262	-26.297	263.058
45142_5142	45142	5142	-2004.69	-84.402	-2.119	0.07	26.297	-263.175
45142_5143	45142	5143	2004.694	103.242	2.119	-0.07	-9.343	-487.451
45143_5143	45143	5143	-2004.69	-103.242	-2.119	0.07	9.343	487.451
45143_5144	45143	5144	2004.694	122.083	2.119	-0.07	7.611	-1388.81
45144_5144	45144	5144	-2004.69	-122.083	-2.119	0.07	-7.611	1388.81
45144_5145	45144	5145	2004.694	140.924	2.119	-0.07	24.565	-2440.9
45145_5145	45145	5145	-2004.69	-181.533	-0.558	1.947	-24.565	2440.809
45145_5146	45145	5146	2004.687	199.785	0.558	-1.947	28.888	-3918.5
45146_5146	45146	5146	-2004.69	-199.785	-0.558	1.947	-28.888	3918.497

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45146_5147	45146	5147	2004.687	218.037	0.558	-1.947	33.211	-5537.64
45147_5147	45147	5147	-2004.69	-218.037	-3.076	-4.907	-33.211	5509.848
45147_5148	45147	5148	2004.685	242.509	3.076	4.907	62.436	-7697.59
45148_5148	45148	5148	77.351	463.278	0.09	-7.676	-10.544	23869
45148_5149	45148	5149	-72.938	-425.59	-0.09	7.676	9.411	-18277.4
45149_5149	45149	5149	61.122	427.488	0.072	7.145	-10.964	18277.44
45149_5150	45149	5150	-57.962	-392.058	-0.072	-7.145	10.061	-13136.4
45150_5150	45150	5150	44.962	362.304	0.153	-0.487	-9.351	13136.4
45150_5151	45150	5151	-42.782	-326.532	-0.153	0.487	7.317	-8565.55
45151_5151	45151	5151	32.752	327.667	0.147	1.771	-7.382	8547.414
45151_5152	45151	5152	-31.835	-299.713	-0.147	-1.771	5.65	-4859.98
45152_5152	45152	5152	25.285	257.464	0.082	-0.075	-5.602	4859.951
45152_5153	45152	5153	-25.064	-238.038	-0.082	0.075	4.928	-2815.82
45153_5153	45153	5153	22.526	238.406	0.082	-0.035	-4.929	2811.968
45153_5154	45153	5154	-22.526	-207.054	-0.082	0.035	3.803	248.527
45154_5154	45154	5154	22.526	165.385	0.127	0.025	-3.803	-248.526
45154_5155	45154	5155	-22.526	-140.285	-0.127	-0.025	2.408	1929.81
45155_5155	45155	5155	22.526	140.285	0.127	0.025	-2.408	-1929.81
45155_5156	45155	5156	-22.526	-115.185	-0.127	-0.025	1.014	3334.977
45156_5156	45156	5156	22.528	75.556	-0.09	0.041	-1.014	-3334.98
45156_5157	45156	5157	-22.528	-52.715	0.09	-0.041	1.916	3977.014
45157_5157	45157	5157	22.528	52.715	-0.09	0.085	-1.916	-3977.01
45157_5158	45157	5158	-22.528	-29.897	0.09	-0.085	2.815	4390.096
45158_5158	45158	5158	22.525	-8.068	0.106	-1.949	-2.815	-4390.1
45158_5159	45158	5159	-22.525	30.909	-0.106	1.949	1.756	4195.009
45159_5159	45159	5159	22.525	-30.909	0.128	2.241	-1.756	-4195.01
45159_5160	45159	5160	-22.525	53.75	-0.128	-2.241	0.472	3771.263
45160_5160	45160	5160	22.522	-93.901	0.374	0.115	-0.472	-3771.28
45160_5161	45160	5161	-22.522	119.001	-0.374	-0.115	-3.64	2600.25
45161_5161	45161	5161	22.522	-119.001	0.374	0.115	3.64	-2600.25
45161_5162	45161	5162	-22.522	144.101	-0.374	-0.115	-7.752	1153.101
45162_5162	45162	5162	22.534	-182.592	-0.589	-0.294	7.752	-1153.06
45162_5163	45162	5163	-22.534	213.944	0.589	0.294	0.336	-1571.33
45163_5163	45163	5163	25.132	-213.57	-0.605	0.825	-0.328	1573.289
45163_5164	45163	5164	-25.352	232.996	0.605	-0.825	5.321	-3415.56
45164_5164	45164	5164	31.931	-272.506	0.546	3.063	-5.23	3415.56
45164_5165	45164	5165	-32.848	300.46	-0.546	-3.063	-1.184	-6783.42
45165_5165	45165	5165	41.499	-299.289	0.571	-4.169	0.831	6788.933
45165_5166	45165	5166	-43.707	335.529	-0.571	4.169	-8.403	-11001.5
45166_5166	45166	5166	56.668	-371.784	0.09	-5.884	8.141	11001.57
45166_5167	45166	5167	-59.867	407.656	-0.09	5.884	-9.277	-15891.6
45167_5167	45167	5167	71.189	-405.784	0.072	6.484	10.612	15891.55
45167_5168	45167	5168	-75.653	443.912	-0.072	-6.484	-11.525	-21237.3
45168_5168	45168	5168	-1933.19	246.634	-1.037	-2.506	3.714	6900.35
45168_5169	45168	5169	1933.185	-221.827	1.037	2.506	6.143	-4675.01
45169_5169	45169	5169	-1933.19	221.827	1.365	3.261	-6.143	4707.934
45169_5170	45169	5170	1933.185	-203.096	-1.365	-3.261	-4.425	-3063.39
45170_5170	45170	5170	-1933.19	203.096	-1.103	-0.651	4.425	3063.395
45170_5171	45170	5171	1933.185	-184.341	1.103	0.651	4.124	-1561.98
45171_5171	45171	5171	-1933.17	138.676	1.592	0.488	-4.124	1561.843
45171_5172	45171	5172	1933.167	-119.316	-1.592	-0.488	-8.616	-529.825
45172_5172	45172	5172	-1933.17	119.316	-0.824	-0.174	8.616	529.825
45172_5173	45172	5173	1933.167	-99.956	0.824	0.174	-2.026	347.316

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45173_5173	45173	5173	-1933.17	99.956	-0.824	-0.174	2.026	-347.316
45173_5174	45173	5174	1933.167	-80.595	0.824	0.174	4.564	1069.565
45174_5174	45174	5174	-1933.17	32.845	1.926	-0.951	-4.564	-1069.7
45174_5175	45174	5175	1933.171	-18.325	-1.926	0.951	-6.99	1223.216
45175_5175	45175	5175	-1933.17	18.325	-1.296	1.087	6.99	-1223.22
45175_5176	45175	5176	1933.172	-3.805	1.296	-1.087	0.787	1289.611
45176_5176	45176	5176	-1933.17	3.805	1.926	-1.062	-0.787	-1289.61
45176_5177	45176	5177	1933.171	10.715	-1.926	1.062	-10.766	1268.88
45177_5177	45177	5177	-1933.17	-10.715	-1.296	1.053	10.766	-1268.88
45177_5178	45177	5178	1933.172	25.235	1.296	-1.053	-2.989	1161.022
45178_5178	45178	5178	-1933.18	-73.083	-0.174	-0.127	2.989	-1161.17
45178_5179	45178	5179	1933.176	92.443	0.174	0.127	-1.598	499.023
45179_5179	45179	5179	-1933.18	-92.443	-0.174	-0.127	1.598	-499.023
45179_5180	45179	5180	1933.176	111.803	0.174	0.127	-0.207	-318.013
45180_5180	45180	5180	-1933.18	-111.803	2.242	0.27	0.207	318.013
45180_5181	45180	5181	1933.175	131.163	-2.242	-0.27	-18.146	-1289.93
45181_5181	45181	5181	-1933.17	-175.324	-1.391	-0.636	18.146	1289.941
45181_5182	45181	5182	1933.171	194.079	1.391	0.636	-7.368	-2721.47
45182_5182	45182	5182	-1933.17	-194.079	1.104	2.875	7.368	2721.473
45182_5183	45182	5183	1933.171	212.834	-1.104	-2.875	-15.921	-4298.35
45183_5183	45183	5183	-1933.17	-212.834	-1.325	-2.48	15.921	4271.903
45183_5184	45183	5184	1933.171	237.641	1.325	2.48	-3.333	-6411.8
45184_5184	45184	5184	94.233	460.215	-0.111	6.24	0.535	20813.17
45184_5185	45184	5185	-89.769	-422.087	0.111	-6.24	0.858	-15262.9
45185_5185	45185	5185	78.033	424.461	-0.079	-5.879	0.449	15262.86
45185_5186	45185	5186	-74.834	-388.589	0.079	5.879	0.543	-10162.4
45186_5186	45186	5186	61.628	355.062	-0.329	-0.466	-1.052	10162.47
45186_5187	45186	5187	-59.42	-318.823	0.329	0.466	5.415	-5690.84
45187_5187	45187	5187	49.5	320.564	-0.309	-1.977	-5.388	5699.788
45187_5188	45187	5188	-48.542	-291.344	0.309	1.977	9.019	-2103.31
45188_5188	45188	5188	42.142	245.343	0.252	-0.463	-9.054	2103.41
45188_5189	45188	5189	-41.911	-225.053	-0.252	0.463	6.976	-165.206
45189_5189	45189	5189	39.524	225.592	0.252	-0.447	-6.979	170.494
45189_5190	45189	5190	-39.524	-191.334	-0.252	0.447	3.518	2696.04
45190_5190	45190	5190	39.523	147.536	0.351	-0.489	-3.518	-2696.04
45190_5191	45190	5191	-39.523	-120.129	-0.351	0.489	-0.348	4168.286
45191_5191	45191	5191	39.523	120.129	0.351	-0.489	0.348	-4168.29
45191_5192	45191	5192	-39.523	-92.723	-0.351	0.489	-4.215	5339.044
45192_5192	45192	5192	39.537	49.85	-1.092	-0.328	4.215	-5339.05
45192_5193	45192	5193	-39.537	-24.886	1.092	0.328	6.724	5713.497
45193_5193	45193	5193	39.537	24.886	-1.092	-0.391	-6.724	-5713.5
45193_5194	45193	5194	-39.537	0.104	1.092	0.391	17.679	5837.786
45194_5194	45194	5194	39.514	-41.391	0.4	-0.272	-17.679	-5837.82
45194_5195	45194	5195	-39.514	66.381	-0.4	0.272	13.666	5297.315
45195_5195	45195	5195	39.514	-66.381	0.4	-0.272	-13.666	-5297.32
45195_5196	45195	5196	-39.514	91.37	-0.4	0.272	9.653	4506.144
45196_5196	45196	5196	39.523	-135.331	-0.13	-0.169	-9.653	-4506.14
45196_5197	45196	5197	-39.523	162.738	0.13	0.169	11.078	2866.664
45197_5197	45197	5197	39.523	-162.738	-0.13	-0.169	-11.078	-2866.66
45197_5198	45197	5198	-39.523	190.144	0.13	0.169	12.504	925.699
45198_5198	45198	5198	39.526	-233.085	-0.364	0.056	-12.504	-925.701
45198_5199	45198	5199	-39.526	267.318	0.364	-0.056	17.499	-2512.27
45199_5199	45199	5199	42.816	-266.756	-0.364	0.127	-17.499	2499.319

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45199_5200	45199	5200	-43.061	287.912	0.364	-0.127	20.501	-4787.58
45200_5200	45200	5200	51.202	-333.326	0.235	0.941	-20.475	4787.507
45200_5201	45200	5201	-52.219	363.744	-0.235	-0.941	17.71	-8885.05
45201_5201	45201	5201	62.768	-361.987	0.245	-0.78	-17.809	8888.817
45201_5202	45201	5202	-65.27	402.492	-0.245	0.78	14.553	-13962.4
45202_5202	45202	5202	80.985	-446.002	-0.236	8.06	-13.778	13962.3
45202_5203	45202	5203	-84.584	485.898	0.236	-8.06	16.738	-19809.6
45203_5203	45203	5203	98.122	-483.302	-0.204	-7.268	-18.397	19809.65
45203_5204	45203	5204	-103.104	525.455	0.204	7.268	20.966	-26157.5
45204_5204	45204	5204	-2247.94	268.624	-1.092	3.141	25.405	8631.145
45204_5205	45204	5205	2247.938	-240.759	1.092	-3.141	-15.031	-6211.44
45205_5205	45205	5205	-2247.94	240.759	-3.534	-3.459	15.031	5964.361
45205_5206	45205	5206	2247.936	-219.509	3.534	3.459	12.362	-4180.7
45206_5206	45206	5206	-2247.94	219.509	-0.634	1.934	-12.362	4180.703
45206_5207	45206	5207	2247.938	-198.258	0.634	-1.934	17.277	-2561.77
45207_5207	45207	5207	-2247.93	150.984	-3.255	0.784	-17.277	2561.785
45207_5208	45207	5208	2247.928	-129.048	3.255	-0.784	43.316	-1441.59
45208_5208	45208	5208	-2247.93	129.048	-3.255	0.784	-43.316	1441.586
45208_5209	45208	5209	2247.928	-107.112	3.255	-0.784	69.355	-496.887
45209_5209	45209	5209	-2247.93	107.112	-3.255	0.784	-69.355	496.887
45209_5210	45209	5210	2247.928	-85.176	3.255	-0.784	95.395	272.311
45210_5210	45210	5210	-2247.97	36.577	2.369	0.597	-95.395	-272.323
45210_5211	45210	5211	2247.974	-20.125	-2.369	-0.597	81.18	442.439
45211_5211	45211	5211	-2247.98	20.125	-1.377	1.334	-81.18	-442.438
45211_5212	45211	5212	2247.975	-3.673	1.377	-1.334	89.444	513.838
45212_5212	45212	5212	-2247.97	3.673	2.369	0.478	-89.444	-513.84
45212_5213	45212	5213	2247.974	12.779	-2.369	-0.478	75.23	486.522
45213_5213	45213	5213	-2247.98	-12.779	-1.377	1.288	-75.23	-486.52
45213_5214	45213	5214	2247.975	29.231	1.377	-1.288	83.494	360.483
45214_5214	45214	5214	-2248.03	-77.599	2.482	1.225	-83.494	-360.367
45214_5215	45214	5215	2248.034	99.535	-2.482	-1.225	63.635	-348.216
45215_5215	45215	5215	-2248.03	-99.535	5.292	1.661	-63.635	348.215
45215_5216	45215	5216	2248.029	121.471	-5.292	-1.661	21.298	-1232.29
45216_5216	45216	5216	-2248.03	-121.471	2.482	0.12	-21.298	1232.287
45216_5217	45216	5217	2248.034	143.407	-2.482	-0.12	1.44	-2291.87
45217_5217	45217	5217	-2248.06	-189.201	2.93	-14.217	-1.44	2291.711
45217_5218	45217	5218	2248.059	210.424	-2.93	14.217	-21.24	-3838.37
45218_5218	45218	5218	-2248.05	-210.424	5.864	-9.207	21.24	3838.38
45218_5219	45218	5219	2248.053	231.675	-5.864	9.207	-66.689	-5551.61
45219_5219	45219	5219	-2247.98	-231.675	19.603	27.097	66.689	5807.658
45219_5220	45219	5220	2247.975	259.538	-19.603	-27.097	-252.922	-8140.94
45220_5220	45220	5220	93.046	536.343	0.404	-29.667	0.677	25603.61
45220_5221	45220	5221	-88.064	-494.192	-0.404	29.667	-5.769	-19119.8
45221_5221	45221	5221	74.293	496.495	0.312	31.099	-0.796	19119.82
45221_5222	45221	5222	-70.694	-456.6	-0.312	-31.099	-3.119	-13140.1
45222_5222	45222	5222	54.958	414.391	2.893	-3.53	6.21	13140.43
45222_5223	45222	5223	-52.456	-373.885	-2.893	3.53	-44.592	-7909.14
45223_5223	45223	5223	40.757	375.293	2.775	26.684	43.735	7892.391
45223_5224	45223	5224	-39.687	-343.285	-2.775	-26.684	-76.351	-3668.52
45224_5224	45224	5224	31.971	288.977	-2.116	-3.516	76.906	3668.903
45224_5225	45224	5225	-31.713	-266.704	2.116	3.516	-59.443	-1376.26
45225_5225	45225	5225	28.831	267.148	-2.227	1.271	59.465	1383.732
45225_5226	45225	5226	-28.831	-223.961	2.227	-1.271	-25.073	2408.55

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45226_5226	45226	5226	28.824	170.444	1.805	9.744	25.073	-2408.52
45226_5227	45226	5227	-28.824	-137.296	-1.805	-9.744	-46.473	4232.508
45227_5227	45227	5227	28.831	137.296	1.684	-8.1	46.473	-4232.51
45227_5228	45227	5228	-28.831	-104.144	-1.684	8.1	-66.435	5663.703
45228_5228	45228	5228	28.881	51.148	-2.259	13.374	66.435	-5663.24
45228_5229	45228	5229	-28.881	-15.919	2.259	-13.374	-39.651	6060.823
45229_5229	45229	5229	28.871	15.919	-2.381	-12.168	39.651	-6060.83
45229_5230	45229	5230	-28.871	19.316	2.381	12.168	-11.42	6040.68
45230_5230	45230	5230	28.844	-73.501	-1.586	7.272	11.42	-6039.69
45230_5231	45230	5231	-28.844	109.721	1.586	-7.272	7.909	4922.964
45231_5231	45231	5231	28.838	-109.721	-1.68	-8.867	-7.909	-4922.96
45231_5232	45231	5232	-28.838	145.947	1.68	8.867	28.395	3364.47
45232_5232	45232	5232	28.364	-201.568	18.529	3.039	-28.395	-3363.65
45232_5233	45232	5233	-28.364	228.876	-18.529	-3.039	-141.899	1385.644
45233_5233	45233	5233	30.746	-228.511	18.487	-0.116	141.901	-1385.64
45233_5234	45233	5234	-30.943	249.383	-18.487	0.116	-269.251	-260.395
45234_5234	45234	5234	35.215	-248.72	18.421	-2.86	269.202	260.39
45234_5235	45234	5235	-35.808	272.278	-18.421	2.86	-411.814	-2277.42
45235_5235	45235	5235	42.954	-316.134	-20.047	-3.5	411.846	2277.627
45235_5236	45235	5236	-43.6	332.583	20.047	3.5	-304.203	-4020.07
45236_5236	45236	5236	48.907	-332.013	-20.149	-3.68	304.447	4053.382
45236_5237	45236	5237	-50.641	363.58	20.149	3.68	-133.961	-6997.92
45237_5237	45237	5237	56.758	-362.653	-20.209	8.417	134.947	6997.9
45237_5238	45237	5238	-58.545	387.703	20.209	-8.417	-1.519	-9477.39
45238_5238	45238	5238	69.457	-438.336	-3.132	-20.823	-0.918	9474.576
45238_5239	45238	5239	-72.879	476.667	3.132	20.823	31.84	-13994
45239_5239	45239	5239	99.634	-471.736	-3.199	12.177	-28.145	13993.99
45239_5240	45239	5240	-105.883	514.773	3.199	-12.177	62.312	-19269.4
45240_5240	45240	5240	-2112.06	319.54	-62.489	-4.702	1225.976	7003.35
45240_5241	45240	5241	2112.055	-274.888	62.489	4.702	-458.189	-3351.57
45241_5241	45241	5241	-2112.29	274.888	-53.792	8.377	458.189	3364.405
45241_5242	45241	5242	2112.294	-253.91	53.792	-8.377	-143.274	-1816.52
45242_5242	45242	5242	-2112.34	253.91	-52.168	9.773	143.274	1816.508
45242_5243	45242	5243	2112.335	-231.135	52.168	-9.773	188.303	-275.047
45243_5243	45243	5243	-2114.38	188.297	-12.372	3.676	-188.303	274.653
45243_5244	45243	5244	2114.379	-153.087	12.372	-3.676	309.878	1402.637
45244_5244	45244	5244	-2114.41	153.087	-5.277	-1.031	-309.878	-1402.64
45244_5245	45244	5245	2114.409	-118.012	5.277	1.031	361.529	2729.502
45245_5245	45245	5245	-2113.65	77.201	-15.808	6.451	-361.529	-2728.8
45245_5246	45245	5246	2113.65	-40.862	15.808	-6.451	521.849	3327.476
45246_5246	45246	5246	-2113.69	40.862	-8.647	-4.822	-521.849	-3327.48
45246_5247	45246	5247	2113.691	-6.885	8.647	4.822	603.841	3553.851
45247_5247	45247	5247	-2113.61	-36.378	-5.006	5.587	-603.841	-3552.98
45247_5248	45247	5248	2113.612	69.679	5.006	-5.587	650.366	3060.151
45248_5248	45248	5248	-2113.62	-69.679	1.544	-3.895	-650.366	-3060.15
45248_5249	45248	5249	2113.618	106.694	-1.544	3.895	634.421	2149.171
45249_5249	45249	5249	-2114.75	-146.317	38.021	1.726	-634.421	-2148.72
45249_5250	45249	5250	2114.748	182.55	-38.021	-1.726	249.95	485.974
45250_5250	45250	5250	-2114.64	-182.55	43.516	0.464	-249.95	-485.977
45250_5251	45250	5251	2114.642	216.633	-43.516	-0.464	-163.961	-1412.49
45251_5251	45251	5251	-2112.23	-271.436	-25.39	-36.193	163.961	1411.247
45251_5252	45251	5252	2112.234	293.107	25.39	36.193	-10.404	-3118.39
45252_5252	45252	5252	-2112.27	-293.107	-22.11	-31.35	10.404	3118.444

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45252_5253	45252	5253	2112.271	315.537	22.11	31.35	127.998	-5023.44
45253_5253	45253	5253	-2112.32	-315.537	-16.638	-18.333	-127.998	5021.859
45253_5254	45253	5254	2112.321	350.054	16.638	18.333	286.022	-8182.63
45254_5254	45254	5254	132.778	534.42	-78.877	236.717	-265.643	21761.16
45254_5255	45254	5255	-131.362	-523.273	78.877	-236.717	479.134	-20329.6
45255_5255	45255	5255	113.577	472.402	42.596	-21.009	-445.42	20324.05
45255_5256	45255	5256	-108.027	-421.907	-42.596	21.009	-91.455	-14689.5
45256_5256	45256	5256	98.12	424.364	42.36	34.007	85.642	14689.47
45256_5257	45256	5257	-95.08	-389.066	-42.36	-34.007	-472.683	-10973.4
45257_5257	45257	5257	85.776	335.721	-22.846	-24.823	477.072	10972.25
45257_5258	45257	5258	-84.072	-311.089	22.846	24.823	-328.249	-8865.28
45258_5258	45258	5258	79.184	312.373	-22.992	-8.814	326.537	8865.366
45258_5259	45258	5259	-77.686	-284.636	22.992	8.814	-155.309	-6642.28
45259_5259	45259	5259	72.657	285.951	-23.176	9.04	154.25	6637.656
45259_5260	45259	5260	-71.764	-261.593	23.176	-9.04	23.875	-4533.45
45260_5260	45260	5260	66.554	215.427	4.266	-11.356	-23.428	4441.36
45260_5261	45260	5261	-66.126	-196.2	-4.266	11.356	-1.788	-3224.8
45261_5261	45261	5261	63.253	197.308	4.046	0.265	1.755	3224.824
45261_5262	45261	5262	-63.066	-176.53	-4.046	-0.265	-27.668	-2027.51
45262_5262	45262	5262	61.277	177.264	3.975	2.957	27.669	2002.576
45262_5263	45262	5263	-61.277	-138.308	-3.975	-2.957	-76.119	-79.515
45263_5263	45263	5263	61.309	75.477	-2.674	-0.341	76.119	79.588
45263_5264	45263	5264	-61.309	-38.98	2.674	0.341	-45.584	573.887
45264_5264	45264	5264	61.301	38.98	-2.85	-1.989	45.584	-573.884
45264_5265	45264	5265	-61.301	-1.793	2.85	1.989	-12.423	811.074
45265_5265	45265	5265	61.291	-51.99	-2.934	-1.96	12.423	-810.989
45265_5266	45265	5266	-61.291	89.257	2.934	1.96	21.785	-12.448
45266_5266	45266	5266	61.279	-89.257	-3.177	-1.911	-21.785	12.456
45266_5267	45266	5267	-61.279	125.673	3.177	1.911	57.977	-1236.83
45267_5267	45267	5267	61.334	-181.256	3.115	-11.94	-57.977	1237.026
45267_5268	45267	5268	-61.334	218.137	-3.115	11.94	22.037	-3541.27
45268_5268	45268	5268	61.348	-218.137	2.821	4.99	-22.037	3541.281
45268_5269	45268	5269	-61.348	254.914	-2.821	-4.99	-10.427	-6262.75
45269_5269	45269	5269	61.171	-307.861	-8.296	-29.227	10.427	6263.44
45269_5270	45269	5270	-61.171	336.185	8.296	29.227	63.085	-9117.04
45270_5270	45270	5270	61.147	-336.185	-8.473	-2.855	-63.085	9117.088
45270_5271	45270	5271	-61.147	364.391	8.473	2.855	137.854	-12208.3
45271_5271	45271	5271	64.217	-363.679	-8.611	25.171	-137.732	12240.02
45271_5272	45271	5272	-64.413	385.67	8.611	-25.171	192.851	-14638.3
45272_5272	45272	5272	71.815	-449.671	19.515	-50.622	-193.865	14639.37
45272_5273	45272	5273	-72.386	473.927	-19.515	50.622	56.638	-17886.8
45273_5273	45273	5273	79.07	-472.592	19.392	-15.009	-56.186	17886.85
45273_5274	45273	5274	-79.938	495.356	-19.392	15.009	-70.842	-21057.5
45274_5274	45274	5274	89.137	-493.642	19.237	37.372	73.074	21081.1
45274_5275	45274	5275	-91.649	537.67	-19.237	-37.372	-287.759	-26836.1
45275_5275	45275	5275	106.525	-599.476	-68.623	-73.592	281.364	26840.63
45275_5276	45275	5276	-109.719	639.414	68.623	73.592	395.235	-32949.5
45276_5276	45276	5276	122.593	-636.87	-68.866	68.129	-384.485	32949.65
45276_5277	45276	5277	-126.634	676.856	68.866	-68.129	1043.337	-39236.4
45277_5277	45277	5277	151.985	-732.62	73.353	-78.713	-1062.19	39368.47
45277_5278	45277	5278	-156.033	766.333	-73.353	78.713	492.934	-45184.6
45278_5278	45278	5278	-3319.16	452.711	34.03	14.127	-237.81	16255.7
45278_5279	45278	5279	3319.157	-416.09	-34.03	-14.127	-85.164	-12132.9

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45279_5279	45279	5279	-3319.04	416.09	43.944	55.018	85.164	12445.43
45279_5280	45279	5280	3319.041	-392.462	-43.944	-55.018	-372.261	-9804.19
45280_5280	45280	5280	-3320.66	319.649	-57.011	-8.104	372.261	9805.251
45280_5281	45280	5281	3320.655	-277.471	57.011	8.104	292.645	-6323.22
45281_5281	45281	5281	-3320.79	277.471	-48.329	8.428	-292.645	6323.221
45281_5282	45281	5282	3320.792	-232.592	48.329	-8.428	892.377	-3158.43
45282_5282	45282	5282	-3320.34	181.164	6.608	-1.235	-892.377	3102.79
45282_5283	45282	5283	3320.335	-142.723	-6.608	1.235	810.513	-1096.52
45283_5283	45283	5283	-3320.3	142.723	16.928	2.173	-810.513	1096.517
45283_5284	45283	5284	3320.298	-106.47	-16.928	-2.173	612.726	359.26
45284_5284	45284	5284	-3320.46	-9.025	13.519	1.076	-612.726	-359.31
45284_5285	45284	5285	3320.464	44.011	-13.519	-1.076	460.294	60.311
45285_5285	45285	5285	-3320.42	-44.011	21.448	0.932	-460.294	-60.314
45285_5286	45285	5286	3320.423	75.254	-21.448	-0.932	244.336	-540.121
45286_5286	45286	5286	-3320.39	-158.353	39.181	-2.339	-244.336	540.211
45286_5287	45286	5287	3320.393	193.757	-39.181	2.339	-202.725	-2549.03
45287_5287	45287	5287	-3320.24	-193.757	50.624	6.446	202.725	2549.023
45287_5288	45287	5288	3320.238	229.343	-50.624	-6.446	-783.325	-4975.27
45288_5288	45288	5288	-3321.73	-231.859	-33.239	-24.609	783.325	4976.036
45288_5289	45288	5289	3321.727	244.266	33.239	24.609	-650.409	-5928
45289_5289	45289	5289	-3321.77	-244.266	-28.526	-13.869	650.409	5622.193
45289_5290	45289	5290	3321.771	276.044	28.526	13.869	-379.416	-8093.64
45290_5290	45290	5290	144.401	990.133	-25.537	18.225	64.679	33472.69
45290_5291	45290	5291	-140.062	-950.417	25.537	-18.225	202.031	-23339.5
45291_5291	45291	5291	107.249	863.803	4.519	-27.717	-197.259	23341.55
45291_5292	45291	5292	-103.998	-824.12	-4.519	27.717	148.226	-14181.6
45292_5292	45292	5292	82.16	826.599	4.384	29.594	-152.011	14181.58
45292_5293	45292	5293	-80.245	-792.05	-4.384	-29.594	109.379	-6309.39
45293_5293	45293	5293	60.162	703.164	3.295	0.113	-107.541	6310.244
45293_5294	45293	5294	-59.292	-677.671	-3.295	-0.113	83.495	-1272.64
45294_5294	45294	5294	45.346	678.761	3.207	5.329	-83.569	1267.442
45294_5295	45294	5295	-45.027	-655.457	-3.207	-5.329	59.084	3825.632
45295_5295	45295	5295	36.243	656.015	3.119	-3.278	-59.009	-3825.64
45295_5296	45295	5296	-36.232	-631.037	-3.119	3.278	33.429	9103.24
45296_5296	45296	5296	35.946	554.535	2.443	26.96	-33.43	-9087.22
45296_5297	45296	5297	-35.946	-541.951	-2.443	-26.96	23.295	11361.76
45297_5297	45297	5297	35.949	541.951	2.401	13.91	-23.295	-11363.1
45297_5298	45297	5298	-35.949	-509.665	-2.401	-13.91	1.055	16233.59
45298_5298	45298	5298	35.955	509.665	2.315	-24.715	-1.055	-16233.6
45298_5299	45298	5299	-35.955	-477.718	-2.315	24.715	-20.167	20758.44
45299_5299	45299	5299	35.938	402.149	0.086	55.001	20.167	-20760.1
45299_5300	45299	5300	-35.938	-361.487	-0.086	-55.001	-21.174	25214.31
45300_5300	45300	5300	35.938	361.487	-0.053	-42.772	21.174	-25214.3
45300_5301	45300	5301	-35.938	-318.284	0.053	42.772	-20.516	29427.23
45301_5301	45301	5301	35.943	238.603	0.158	64.337	20.516	-29429.6
45301_5302	45301	5302	-35.943	-195.005	-0.158	-64.337	-22.498	32141.49
45302_5302	45302	5302	35.943	195.005	0.02	-59.194	22.498	-32141.5
45302_5303	45302	5303	-35.943	-154.773	-0.02	59.194	-22.732	34160.18
45303_5303	45303	5303	35.967	76.901	1.933	74.525	22.732	-34162.6
45303_5304	45303	5304	-35.967	-31.546	-1.933	-74.525	-47.879	34868.2
45304_5304	45304	5304	35.975	31.546	1.776	-76.831	47.879	-34868.2
45304_5305	45304	5305	-35.975	6.96	-1.776	76.831	-67.505	35004
45305_5305	45305	5305	35.96	-84.627	0.065	59.16	67.505	-35006.6

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45305_5306	45305	5306	-35.96	126.65	-0.065	-59.16	-68.287	33732.93
45306_5306	45306	5306	35.96	-126.65	-0.052	-50.526	68.287	-33732.9
45306_5307	45306	5307	-35.96	168.42	0.052	50.526	-67.663	31964.9
45307_5307	45307	5307	35.983	-247.507	1.739	60.947	67.663	-31967.2
45307_5308	45307	5308	-35.983	288.923	-1.739	-60.947	-88.327	28780.14
45308_5308	45308	5308	35.989	-288.923	1.597	-52.996	88.327	-28780.2
45308_5309	45308	5309	-35.989	331.356	-1.597	52.996	-107.762	25004.53
45309_5309	45309	5309	36.026	-399.619	4.651	39.151	107.762	-25006
45309_5310	45309	5310	-36.026	441.613	-4.651	-39.151	-163.801	19938.32
45310_5310	45310	5310	36.043	-441.613	4.518	-34.75	163.801	-19938.3
45310_5311	45310	5311	-36.043	483.433	-4.518	34.75	-218.004	14388.89
45311_5311	45311	5311	35.925	-580.507	-9.226	14.874	218.004	-14389.7
45311_5312	45311	5312	-35.925	624.428	9.226	-14.874	-101.753	6798.139
45312_5312	45312	5312	35.881	-624.428	-9.395	-17.094	101.753	-6798.13
45312_5313	45312	5313	-35.881	662.18	9.395	17.094	0	-169.509
46000_6000	46000	6000	-0.536	12.016	-4.451	-0.928	0	0.222
46000_6001	46000	6001	0.536	6.766	4.451	0.928	51.721	30.284
46001_6001	46001	6001	-0.53	-6.766	-4.451	-0.892	-51.721	-30.285
46001_6002	46001	6002	0.53	22.338	4.451	0.892	94.61	-109.929
46002_6002	46002	6002	-0.482	21.2	4.523	-1.522	-94.61	110.043
46002_6003	46002	6003	0.482	-1.602	-4.523	1.522	39.759	28.207
46003_6003	46003	6003	-0.486	1.602	4.523	-1.499	-39.759	-28.208
46003_6004	46003	6004	0.486	17.998	-4.523	1.499	-15.093	-71.207
46004_6004	46004	6004	-0.502	20.001	-1.036	-0.705	15.093	71.21
46004_6005	46004	6005	0.502	-0.398	1.036	0.705	-2.525	52.501
46005_6005	46005	6005	-0.502	0.398	-1.036	-0.699	2.525	-52.501
46005_6006	46005	6006	0.502	19.19	1.036	0.699	10.032	-61.374
46006_6006	46006	6006	-0.498	19.856	0.261	-0.425	-10.032	61.531
46006_6007	46006	6007	0.498	-0.253	-0.261	0.425	6.868	60.427
46007_6007	46007	6007	-0.498	0.253	0.261	-0.425	-6.868	-60.427
46007_6008	46007	6008	0.498	19.35	-0.261	0.425	3.704	-55.392
46008_6008	46008	6008	-0.501	19.471	-0.04	0.043	-3.704	55.085
46008_6009	46008	6009	0.501	0.12	0.04	-0.043	4.186	62.2
46009_6009	46009	6009	-0.501	-0.12	-0.039	-0.007	-4.186	-62.2
46009_6010	46009	6010	0.501	19.709	0.039	0.007	4.663	-57.972
46010_6010	46010	6010	-0.503	19.184	0.133	0.458	-4.663	58.207
46010_6011	46010	6011	0.503	0.423	-0.133	-0.458	3.049	55.593
46011_6011	46011	6011	-0.503	-0.423	0.133	0.463	-3.049	-55.593
46011_6012	46011	6012	0.503	20.014	-0.133	-0.463	1.438	-68.278
46012_6012	46012	6012	-0.499	18.927	0.572	0.702	-1.438	68.307
46012_6013	46012	6013	0.499	0.669	-0.572	-0.702	-5.495	42.378
46013_6013	46013	6013	-0.499	-0.669	0.572	0.702	5.495	-42.378
46013_6014	46013	6014	0.499	20.264	-0.572	-0.702	-12.429	-84.525
46014_6014	46014	6014	-0.502	17.803	-0.018	0.909	12.429	84.683
46014_6015	46014	6015	0.502	8.059	0.018	-0.909	-12.146	-6.715
46015_6015	46015	6015	-0.502	-8.059	-0.017	0.913	12.146	6.717
46015_6016	46015	6016	0.502	21.388	0.017	-0.913	-12.002	-128.142
46016_6016	46016	6016	-0.501	19.567	0.356	0.643	12.002	129.063
46016_6017	46016	6017	0.501	-0.842	-0.356	-0.643	-16.184	-9.1
46017_6017	46017	6017	-0.501	0.842	0.356	0.643	16.184	9.1
46017_6018	46017	6018	0.501	20.271	-0.356	-0.643	-20.899	-137.866
46018_6018	46018	6018	-0.495	19.709	-1.49	0.363	20.899	137.803
46018_6019	46018	6019	0.495	0.185	1.49	-0.363	-2.292	-15.877

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46019_6019	46019	6019	-0.495	-0.185	-1.49	0.364	2.292	15.877
46019_6020	46019	6020	0.495	20.096	1.49	-0.364	16.329	-142.631
46020_6020	46020	6020	-0.564	20.823	1.144	0.226	-16.329	142.623
46020_6021	46020	6021	0.564	-5.681	-1.144	-0.226	5.456	-16.648
46021_6021	46021	6021	-0.562	5.681	1.145	0.248	-5.456	16.648
46021_6022	46021	6022	0.562	6.655	-1.145	-0.248	-3.408	-20.418
46022_6022	46022	6022	-0.564	-6.655	1.144	0.225	3.408	20.418
46022_6023	46022	6023	0.564	19.009	-1.144	-0.225	-12.279	-119.936
46023_6023	46023	6023	-0.556	19.482	-0.424	0.075	12.279	119.803
46023_6024	46023	6024	0.556	-6.745	0.424	-0.075	-8.89	-14.941
46024_6024	46024	6024	-0.556	6.745	-0.425	0.057	8.89	14.941
46024_6025	46024	6025	0.556	5.994	0.425	-0.057	-5.495	-11.937
46025_6025	46025	6025	-0.556	-5.994	-0.424	0.073	5.495	11.937
46025_6026	46025	6026	0.556	18.747	0.424	-0.073	-2.102	-110.978
46026_6026	46026	6026	-0.561	18.949	-0.259	-0.071	2.102	110.877
46026_6027	46026	6027	0.561	-9.404	0.259	0.071	-0.548	-25.931
46027_6027	46027	6027	-0.561	9.404	-0.259	-0.066	0.548	25.931
46027_6028	46027	6028	0.561	0.157	0.259	0.066	1.009	1.82
46028_6028	46028	6028	-0.561	-0.157	-0.259	-0.066	-1.009	-1.82
46028_6029	46028	6029	0.561	9.717	0.259	0.066	2.565	-27.813
46029_6029	46029	6029	-0.562	-9.717	-0.258	-0.02	-2.565	27.813
46029_6030	46029	6030	0.562	19.276	0.258	0.02	4.116	-114.809
46030_6030	46030	6030	-0.56	18.335	0.07	-0.146	-4.116	114.785
46030_6031	46030	6031	0.56	-5.587	-0.07	0.146	3.553	-19.056
46031_6031	46031	6031	-0.56	5.587	0.071	-0.125	-3.553	19.056
46031_6032	46031	6032	0.56	7.143	-0.071	0.125	2.986	-25.273
46032_6032	46032	6032	-0.56	-7.143	0.07	-0.153	-2.986	25.273
46032_6033	46032	6033	0.56	19.891	-0.07	0.153	2.423	-133.451
46033_6033	46033	6033	-0.565	18.927	-0.467	-0.282	-2.423	133.459
46033_6034	46033	6034	0.565	-6.586	0.467	0.282	6.039	-34.629
46034_6034	46034	6034	-0.565	6.586	-0.467	-0.277	-6.039	34.629
46034_6035	46034	6035	0.565	5.77	0.467	0.277	9.66	-31.463
46035_6035	46035	6035	-0.565	-5.77	-0.467	-0.279	-9.66	31.463
46035_6036	46035	6036	0.565	20.879	0.467	0.279	14.088	-157.857
46036_6036	46036	6036	-0.505	20.683	0.772	-0.399	-14.088	157.803
46036_6037	46036	6037	0.505	-0.757	-0.772	0.399	4.432	-23.699
46037_6037	46037	6037	-0.505	0.757	0.771	-0.42	-4.432	23.699
46037_6038	46037	6038	0.505	19.155	-0.771	0.42	-5.212	-138.692
46038_6038	46038	6038	-0.516	14.91	-0.193	-0.727	5.212	138.709
46038_6039	46038	6039	0.516	6.191	0.193	0.727	-2.652	-80.96
46039_6039	46039	6039	-0.516	-6.191	-0.194	-0.562	2.652	80.222
46039_6040	46039	6040	0.516	24.557	0.194	0.562	-0.377	-260.894
46040_6040	46040	6040	-0.524	18.745	-0.917	-1.493	0.377	260.999
46040_6041	46040	6041	0.524	-5.857	0.917	1.493	7.185	-159.566
46041_6041	46041	6041	-0.525	5.857	-0.916	-1.344	-7.185	159.568
46041_6042	46041	6042	0.525	18.487	0.916	1.344	21.46	-257.936
46042_6042	46042	6042	-0.521	20.761	0.301	-0.748	-21.46	257.959
46042_6043	46042	6043	0.521	-2.137	-0.301	0.748	17.878	-121.532
46043_6043	46043	6043	-0.521	2.137	0.3	-0.859	-17.878	121.531
46043_6044	46043	6044	0.521	16.473	-0.3	0.859	14.305	-206.88
46044_6044	46044	6044	-0.523	19.736	-0.098	-0.052	-14.305	206.963
46044_6045	46044	6045	0.523	-1.112	0.098	0.052	15.467	-82.745
46045_6045	46045	6045	-0.523	1.112	-0.098	-0.052	-15.467	82.745

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46045_6046	46045	6046	0.523	17.511	0.098	0.052	16.629	-180.454
46046_6046	46046	6046	-0.523	19.386	0.032	0.689	-16.629	180.453
46046_6047	46046	6047	0.523	-0.755	-0.032	-0.689	16.246	-60.403
46047_6047	46047	6047	-0.523	0.755	0.032	0.685	-16.246	60.403
46047_6048	46047	6048	0.523	17.861	-0.032	-0.685	15.865	-162.281
46048_6048	46048	6048	-0.521	18.968	0.322	1.295	-15.865	162.187
46048_6049	46048	6049	0.521	-0.351	-0.322	-1.295	12.024	-47.126
46049_6049	46049	6049	-0.521	0.351	0.323	1.338	-12.024	47.125
46049_6050	46049	6050	0.521	18.28	-0.323	-1.338	8.176	-153.996
46050_6050	46050	6050	-0.517	18.021	0.395	1.612	-8.176	153.812
46050_6051	46050	6051	0.517	6.294	-0.395	-1.612	2.026	-62.587
46051_6051	46051	6051	-0.517	-6.294	0.395	1.593	-2.026	62.59
46051_6052	46051	6052	0.517	19.196	-0.395	-1.593	-1.235	-167.809
46052_6052	46052	6052	-0.515	20.436	-0.139	1.23	1.235	167.7
46052_6053	46052	6053	0.515	-2.079	0.139	-1.23	0.395	-35.467
46053_6053	46053	6053	-0.515	2.079	-0.139	1.215	-0.395	35.48
46053_6054	46053	6054	0.515	17.992	0.139	-1.215	2.236	-140.91
46054_6054	46054	6054	-0.515	18.556	-1.525	0.896	-2.236	140.889
46054_6055	46054	6055	0.515	0.382	1.525	-0.896	21.306	-27.271
46055_6055	46055	6055	-0.514	-0.382	-1.526	0.873	-21.306	27.272
46055_6056	46055	6056	0.514	19.306	1.526	-0.873	40.368	-150.262
46056_6056	46056	6056	-0.545	19.867	1.017	0.786	-40.368	150.269
46056_6057	46056	6057	0.545	-5.468	-1.017	-0.786	30.698	-29.854
46057_6057	46057	6057	-0.545	5.468	1.017	0.791	-30.698	29.854
46057_6058	46057	6058	0.545	6.272	-1.017	-0.791	22.812	-32.967
46058_6058	46058	6058	-0.545	-6.272	1.017	0.788	-22.812	32.967
46058_6059	46058	6059	0.545	17.997	-1.017	-0.788	14.938	-126.899
46059_6059	46059	6059	-0.544	18.968	0.902	0.577	-14.938	126.994
46059_6060	46059	6060	0.544	-6.837	-0.902	-0.577	7.713	-23.659
46060_6060	46060	6060	-0.543	6.837	0.903	0.604	-7.713	23.659
46060_6061	46060	6061	0.543	5.278	-0.903	-0.604	0.493	-17.422
46061_6061	46061	6061	-0.544	-5.278	0.902	0.582	-0.493	17.423
46061_6062	46061	6062	0.544	17.393	-0.902	-0.582	-6.722	-108.094
46062_6062	46062	6062	-0.546	18.361	0.662	0.495	6.722	108.037
46062_6063	46062	6063	0.546	-9.282	-0.662	-0.495	-10.691	-25.192
46063_6063	46063	6063	-0.546	9.282	0.662	0.498	10.691	25.192
46063_6064	46063	6064	0.546	-0.188	-0.662	-0.498	-14.667	3.234
46064_6064	46064	6064	-0.546	0.188	0.662	0.498	14.667	-3.234
46064_6065	46064	6065	0.546	8.907	-0.662	-0.498	-18.643	-22.94
46065_6065	46065	6065	-0.546	-8.907	0.662	0.496	18.643	22.94
46065_6066	46065	6066	0.546	17.985	-0.662	-0.496	-22.613	-103.536
46066_6066	46066	6066	-0.54	18.052	0.837	0.313	22.613	103.64
46066_6067	46066	6067	0.54	-5.925	-0.837	-0.313	-29.31	-7.656
46067_6067	46067	6067	-0.54	5.925	0.837	0.312	29.31	7.656
46067_6068	46067	6068	0.54	6.186	-0.837	-0.312	-35.999	-8.7
46068_6068	46068	6068	-0.54	-6.186	0.837	0.312	35.999	8.7
46068_6069	46068	6069	0.54	18.298	-0.837	-0.312	-42.688	-106.593
46069_6069	46069	6069	-0.559	17.758	-1.328	0.111	42.688	106.752
46069_6070	46069	6070	0.559	-6.011	1.328	-0.111	-32.387	-14.579
46070_6070	46070	6070	-0.559	6.011	-1.328	0.11	32.387	14.579
46070_6071	46070	6071	0.559	5.721	1.328	-0.11	-22.098	-13.453
46071_6071	46071	6071	-0.557	-5.721	-1.329	0.094	22.098	13.454
46071_6072	46071	6072	0.557	20.109	1.329	-0.094	-9.473	-136.141

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46072_6072	46072	6072	-0.531	20.083	1.096	-0.044	9.473	136.148
46072_6073	46072	6073	0.531	-1.148	-1.096	0.044	-23.178	-3.437
46073_6073	46073	6073	-0.531	1.148	1.096	-0.044	23.178	3.437
46073_6074	46073	6074	0.531	17.787	-1.096	0.044	-36.882	-107.444
46074_6074	46074	6074	-0.547	15.32	-0.324	-0.511	36.882	107.509
46074_6075	46074	6075	0.547	4.753	0.324	0.511	-32.594	-37.495
46075_6075	46075	6075	-0.546	-4.753	-0.324	-0.203	32.594	37.445
46075_6076	46075	6076	0.546	22.161	0.324	0.203	-28.788	-195.571
46076_6076	46076	6076	-0.561	17.721	-0.852	-1.051	28.788	195.453
46076_6077	46076	6077	0.561	-5.496	0.852	1.051	-21.76	-99.662
46077_6077	46077	6077	-0.56	5.496	-0.852	-1.103	21.76	99.663
46077_6078	46077	6078	0.56	15.423	0.852	1.103	-9.729	-169.747
46078_6078	46078	6078	-0.556	17.74	-0.022	-0.892	9.729	169.648
46078_6079	46078	6079	0.556	-1.154	0.022	0.892	-9.479	-63.877
46079_6079	46079	6079	-0.556	1.154	-0.022	-0.889	9.479	63.877
46079_6080	46079	6080	0.556	15.448	0.022	0.889	-9.229	-143.966
46080_6080	46080	6080	-0.558	16.843	-0.318	-0.51	9.229	143.98
46080_6081	46080	6081	0.558	-0.245	0.318	0.51	-5.663	-48.255
46081_6081	46081	6081	-0.558	0.245	-0.318	-0.513	5.663	48.255
46081_6082	46081	6082	0.558	16.337	0.318	0.513	-2.101	-138.318
46082_6082	46082	6082	-0.557	18.12	-0.057	-0.008	2.101	138.577
46082_6083	46082	6083	0.557	-0.276	0.057	0.008	-1.412	-27.793
46083_6083	46083	6083	-0.557	0.276	-0.057	-0.009	1.412	27.793
46083_6084	46083	6084	0.557	17.552	0.057	0.009	-0.724	-131.748
46084_6084	46084	6084	-0.558	16.774	-0.176	0.495	0.724	131.757
46084_6085	46084	6085	0.558	-0.18	0.176	-0.495	1.249	-36.807
46085_6085	46085	6085	-0.558	0.18	-0.176	0.495	-1.249	36.807
46085_6086	46085	6086	0.558	16.414	0.176	-0.495	3.222	-127.731
46086_6086	46086	6086	-0.556	16.346	0.19	0.903	-3.222	127.583
46086_6087	46086	6087	0.556	0.247	-0.19	-0.903	1.09	-37.424
46087_6087	46087	6087	-0.556	-0.247	0.19	0.869	-1.09	37.425
46087_6088	46087	6088	0.556	16.842	-0.19	-0.869	-1.036	-133.133
46088_6088	46088	6088	-0.555	14.643	0.228	1.044	1.036	133.13
46088_6089	46088	6089	0.555	5.476	-0.228	-1.044	-4.13	-70.883
46089_6089	46089	6089	-0.555	-5.476	0.228	1.03	4.13	70.885
46089_6090	46089	6090	0.555	17.708	-0.228	-1.03	-6.01	-166.597
46090_6090	46090	6090	-0.554	18.564	-0.096	0.789	6.01	166.469
46090_6091	46090	6091	0.554	-1.158	0.096	-0.789	-4.885	-50.616
46091_6091	46091	6091	-0.554	1.158	-0.096	0.757	4.885	50.636
46091_6092	46091	6092	0.554	18.178	0.096	-0.757	-3.61	-163.403
46092_6092	46092	6092	-0.559	18.182	-1.316	0.398	3.61	163.244
46092_6093	46092	6093	0.559	0.056	1.316	-0.398	12.843	-49.978
46093_6093	46093	6093	-0.56	-0.056	-1.316	0.438	-12.843	49.977
46093_6094	46093	6094	0.56	18.293	1.316	-0.438	29.29	-164.633
46094_6094	46094	6094	-0.576	19.072	1.077	0.307	-29.29	164.638
46094_6095	46094	6095	0.576	-5.201	-1.077	-0.307	19.051	-49.273
46095_6095	46095	6095	-0.576	5.201	1.077	0.305	-19.051	49.276
46095_6096	46095	6096	0.576	6.101	-1.077	-0.305	10.709	-52.763
46096_6096	46096	6096	-0.576	-6.101	1.077	0.308	-10.709	52.763
46096_6097	46096	6097	0.576	17.417	-1.077	-0.308	2.357	-143.951
46097_6097	46097	6097	-0.569	18.068	0.059	0.115	-2.357	143.847
46097_6098	46097	6098	0.569	-6.403	-0.059	-0.115	1.885	-46.038
46098_6098	46098	6098	-0.569	6.403	0.06	0.175	-1.885	46.037

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46098_6099	46098	6099	0.569	5.277	-0.06	-0.175	1.407	-41.53
46099_6099	46099	6099	-0.569	-5.277	0.059	0.121	-1.407	41.53
46099_6100	46099	6100	0.569	16.942	-0.059	-0.121	0.935	-130.336
46100_6100	46100	6100	-0.555	17.57	0.155	-0.038	-0.935	130.455
46100_6101	46100	6101	0.555	-8.81	-0.155	0.038	0.002	-51.274
46101_6101	46101	6101	-0.555	8.81	0.156	0.047	-0.002	51.274
46101_6102	46101	6102	0.555	-0.051	-0.156	-0.047	-0.935	-24.679
46102_6102	46102	6102	-0.555	0.051	0.155	0.006	0.935	24.679
46102_6103	46102	6103	0.555	8.709	-0.155	-0.006	-1.867	-50.667
46103_6103	46103	6103	-0.555	-8.709	0.156	0.088	1.867	50.667
46103_6104	46103	6104	0.555	17.454	-0.156	-0.088	-2.803	-129.062
46104_6104	46104	6104	-0.554	17.196	0.325	-0.113	2.803	129.066
46104_6105	46104	6105	0.554	-5.516	-0.325	0.113	-5.408	-38.176
46105_6105	46105	6105	-0.553	5.516	0.326	-0.066	5.408	38.176
46105_6106	46105	6106	0.553	6.163	-0.326	0.066	-8.019	-40.762
46106_6106	46106	6106	-0.553	-6.163	0.326	-0.067	8.019	40.762
46106_6107	46106	6107	0.553	17.827	-0.326	0.067	-10.625	-136.639
46107_6107	46107	6107	-0.558	17.221	-0.846	-0.277	10.625	136.663
46107_6108	46107	6108	0.558	-5.906	0.846	0.277	-4.066	-47.006
46108_6108	46108	6108	-0.558	5.906	-0.846	-0.277	4.066	47.006
46108_6109	46108	6109	0.558	5.408	0.846	0.277	2.494	-45.073
46109_6109	46109	6109	-0.559	-5.408	-0.845	-0.22	-2.494	45.072
46109_6110	46109	6110	0.559	19.262	0.845	0.22	10.52	-162.178
46110_6110	46110	6110	-0.548	19.035	1.069	-0.402	-10.52	162.185
46110_6111	46110	6111	0.548	-0.789	-1.069	0.402	-2.847	-38.247
46111_6111	46111	6111	-0.547	0.789	1.069	-0.371	2.847	38.247
46111_6112	46111	6112	0.547	17.457	-1.069	0.371	-16.218	-142.455
46112_6112	46112	6112	-0.567	14.388	-0.517	-0.759	16.218	142.359
46112_6113	46112	6113	0.567	4.939	0.517	0.759	-9.368	-79.788
46113_6113	46113	6113	-0.568	-4.939	-0.517	-0.578	9.368	79.777
46113_6114	46113	6114	0.568	22.051	0.517	0.578	-3.292	-238.387
46114_6114	46114	6114	-0.57	16.96	-0.559	-1.201	3.292	238.414
46114_6115	46114	6115	0.57	-4.946	0.559	1.201	1.324	-148.037
46115_6115	46115	6115	-0.57	4.946	-0.56	-1.27	-1.324	148.036
46115_6116	46115	6116	0.57	15.587	0.56	1.27	9.216	-223.074
46116_6116	46116	6116	-0.57	18.152	0.191	-0.852	-9.216	223.087
46116_6117	46116	6117	0.57	-1.843	-0.191	0.852	7.081	-111.096
46117_6117	46117	6117	-0.571	1.843	0.19	-0.951	-7.081	111.095
46117_6118	46117	6118	0.571	14.467	-0.19	0.951	4.952	-181.807
46118_6118	46118	6118	-0.57	17.007	-0.117	-0.395	-4.952	181.636
46118_6119	46118	6119	0.57	-0.698	0.117	0.395	6.264	-82.478
46119_6119	46119	6119	-0.57	0.698	-0.118	-0.469	-6.264	82.478
46119_6120	46119	6120	0.57	15.596	0.118	0.469	7.582	-165.84
46120_6120	46120	6120	-0.571	18.261	-0.01	0.234	-7.582	166.049
46120_6121	46120	6121	0.571	-0.729	0.01	-0.234	7.702	-51.719
46121_6121	46121	6121	-0.571	0.729	-0.01	0.19	-7.702	51.719
46121_6122	46121	6122	0.571	16.788	0.01	-0.19	7.828	-148.325
46122_6122	46122	6122	-0.571	16.848	0.037	0.864	-7.828	148.323
46122_6123	46122	6123	0.571	-0.541	-0.037	-0.864	7.416	-50.941
46123_6123	46123	6123	-0.571	0.541	0.036	0.819	-7.416	50.942
46123_6124	46123	6124	0.571	15.767	-0.036	-0.819	7.009	-136.216
46124_6124	46124	6124	-0.571	16.425	0.361	1.328	-7.009	136.222
46124_6125	46124	6125	0.571	-0.117	-0.361	-1.328	2.97	-43.58

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46125_6125	46125	6125	-0.571	0.117	0.361	1.328	-2.97	43.58
46125_6126	46125	6126	0.571	16.19	-0.361	-1.328	-1.069	-133.592
46126_6126	46126	6126	-0.568	14.51	0.684	1.461	1.069	133.586
46126_6127	46126	6127	0.568	5.291	-0.684	-1.461	-10.377	-70.893
46127_6127	46127	6127	-0.569	-5.291	0.684	1.396	10.377	70.894
46127_6128	46127	6128	0.569	17.303	-0.684	-1.396	-16.019	-164.096
46128_6128	46128	6128	-0.569	18.45	-0.417	1.087	16.019	163.945
46128_6129	46128	6129	0.569	-1.342	0.417	-1.087	-11.113	-47.662
46129_6129	46129	6129	-0.57	1.342	-0.417	1.206	11.113	47.686
46129_6130	46129	6130	0.57	17.956	0.417	-1.206	-5.592	-157.754
46130_6130	46130	6130	-0.574	17.431	-0.446	0.534	5.592	157.597
46130_6131	46130	6131	0.574	0.775	0.446	-0.534	-0.016	-53.499
46131_6131	46131	6131	-0.574	-0.775	-0.446	0.534	0.016	53.499
46131_6132	46131	6132	0.574	18.981	0.446	-0.534	5.559	-176.975
46132_6132	46132	6132	-3.138	18.387	-0.093	0.607	-5.559	153.385
46132_6133	46132	6133	3.138	-4.55	0.093	-0.607	6.441	-44.434
46133_6133	46133	6133	-3.138	4.55	-0.09	0.644	-6.441	44.433
46133_6134	46133	6134	3.138	6.737	0.09	-0.644	7.14	-52.908
46134_6134	46134	6134	-3.138	-6.737	-0.094	0.575	-7.14	52.909
46134_6135	46134	6135	3.138	18.025	0.094	-0.575	7.87	-148.863
46135_6135	46135	6135	-3.116	18.386	0.675	0.242	-7.87	149.05
46135_6136	46135	6136	3.116	-6.734	-0.675	-0.242	2.472	-48.565
46136_6136	46136	6136	-3.115	6.734	0.679	0.302	-2.472	48.565
46136_6137	46136	6137	3.115	4.918	-0.679	-0.302	-2.956	-41.301
46137_6137	46137	6137	-3.116	-4.918	0.675	0.251	2.956	41.302
46137_6138	46137	6138	3.116	16.57	-0.675	-0.251	-8.354	-127.259
46138_6138	46138	6138	-3.113	17.442	-0.073	0.228	8.354	127.157
46138_6139	46138	6139	3.113	-8.703	0.073	-0.228	-7.918	-48.718
46139_6139	46139	6139	-3.113	8.703	-0.067	0.309	7.918	48.718
46139_6140	46139	6140	3.113	0.036	0.067	-0.309	-7.513	-22.715
46140_6140	46140	6140	-3.113	-0.036	-0.073	0.271	7.513	22.716
46140_6141	46140	6141	3.113	8.775	0.073	-0.271	-7.077	-49.149
46141_6141	46141	6141	-3.113	-8.775	-0.073	0.271	7.077	49.149
46141_6142	46141	6142	3.113	17.514	0.073	-0.271	-6.641	-128.019
46142_6142	46142	6142	-3.114	17.068	0.236	0.108	6.641	127.928
46142_6143	46142	6143	3.114	-5.416	-0.236	-0.108	-8.532	-37.989
46143_6143	46143	6143	-3.114	5.416	0.24	0.155	8.532	37.988
46143_6144	46143	6144	3.114	6.236	-0.24	-0.155	-10.453	-41.269
46144_6144	46144	6144	-3.114	-6.236	0.236	0.104	10.453	41.269
46144_6145	46144	6145	3.114	17.888	-0.236	-0.104	-12.344	-137.771
46145_6145	46145	6145	-3.108	17.057	-1.11	0.004	12.344	137.656
46145_6146	46145	6146	3.108	-5.769	1.11	-0.004	-3.742	-49.205
46146_6146	46146	6146	-3.107	5.769	-1.114	-0.06	3.742	49.205
46146_6147	46146	6147	3.107	5.519	1.114	0.06	4.892	-48.238
46147_6147	46147	6147	-3.109	-5.519	-1.109	0.027	-4.892	48.234
46147_6148	46147	6148	3.109	19.356	1.109	-0.027	15.425	-166.396
46148_6148	46148	6148	-3.111	19.315	1.272	-0.135	-15.425	166.305
46148_6149	46148	6149	3.111	-1.109	-1.272	0.135	-0.475	-38.65
46149_6149	46149	6149	-3.11	1.109	1.274	-0.104	0.475	38.65
46149_6150	46149	6150	3.11	17.098	-1.274	0.104	-16.406	-138.584
46150_6150	46150	6150	-3.107	13.812	-0.311	-0.519	16.406	138.46
46150_6151	46150	6151	3.107	5.487	0.311	0.519	-12.288	-83.309
46151_6151	46151	6151	-3.107	-5.487	-0.309	-0.403	12.288	82.264

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46151_6152	46151	6152	3.107	23.338	0.309	0.403	-8.66	-251.617
46152_6152	46152	6152	-3.106	17.142	-0.556	-1.009	8.66	251.478
46152_6153	46152	6153	3.106	-4.623	0.556	1.009	-4.075	-161.804
46153_6153	46153	6153	-3.106	4.623	-0.555	-0.926	4.075	161.797
46153_6154	46153	6154	3.106	16.266	0.555	0.926	3.555	-241.845
46154_6154	46154	6154	-3.109	18.725	-0.219	-0.678	-3.555	241.847
46154_6155	46154	6155	3.109	-2.013	0.219	0.678	5.962	-127.786
46155_6155	46155	6155	-3.109	2.013	-0.219	-0.678	-5.962	127.786
46155_6156	46155	6156	3.109	14.698	0.219	0.678	8.369	-197.557
46156_6156	46156	6156	-3.109	16.551	-0.112	-0.145	-8.369	197.561
46156_6157	46156	6157	3.109	-1.358	0.112	0.145	9.494	-108.012
46157_6157	46157	6157	-3.109	1.358	-0.116	-0.252	-9.494	108.012
46157_6158	46157	6158	3.109	13.849	0.116	0.252	10.651	-170.53
46158_6158	46158	6158	-3.11	15.259	0.119	0.296	-10.651	170.392
46158_6159	46158	6159	3.11	-0.067	-0.119	-0.296	9.464	-93.76
46159_6159	46159	6159	-3.11	0.067	0.119	0.296	-9.464	93.76
46159_6160	46159	6160	3.11	15.14	-0.119	-0.296	8.276	-169.206
46160_6160	46160	6160	-3.112	16.731	0.336	0.735	-8.276	169.21
46160_6161	46160	6161	3.112	-0.019	-0.336	-0.735	4.579	-77.081
46161_6161	46161	6161	-3.112	0.019	0.336	0.735	-4.579	77.081
46161_6162	46161	6162	3.112	16.692	-0.336	-0.735	0.882	-168.784
46162_6162	46162	6162	-3.111	15.553	0.228	1.022	-0.882	168.786
46162_6163	46162	6163	3.111	5.321	-0.228	-1.022	-2.246	-98.493
46163_6163	46163	6163	-3.111	-5.321	0.226	0.974	2.246	98.485
46163_6164	46163	6164	3.111	17.855	-0.226	-0.974	-4.112	-194.09
46164_6164	46164	6164	-3.114	19.463	0.562	0.661	4.112	194.197
46164_6165	46164	6165	3.114	-1.612	-0.562	-0.661	-10.713	-70.378
46165_6165	46165	6165	-3.113	1.612	0.565	0.718	10.713	70.72
46165_6166	46165	6166	3.113	19.054	-0.565	-0.718	-18.196	-186.277
46166_6166	46166	6166	-3.092	19.209	-1.941	0.304	18.196	186.276
46166_6167	46166	6167	3.092	0.288	1.941	-0.304	6.068	-68.015
46167_6167	46167	6167	-3.093	-0.288	-1.939	0.359	-6.068	68.015
46167_6168	46167	6168	3.093	19.784	1.939	-0.359	30.301	-193.47
46168_6168	46168	6168	-3.122	20.378	1.579	0.225	-30.301	193.47
46168_6169	46168	6169	3.122	-5.561	-1.579	-0.225	15.299	-70.258
46169_6169	46169	6169	-3.121	5.561	1.581	0.268	-15.299	70.253
46169_6170	46169	6170	3.121	6.527	-1.581	-0.268	3.043	-74
46170_6170	46170	6170	-3.121	-6.527	1.581	0.268	-3.043	74
46170_6171	46170	6171	3.121	18.615	-1.581	-0.268	-9.213	-171.429
46171_6171	46171	6171	-3.122	19.573	0.005	0.096	9.213	171.3
46171_6172	46171	6172	3.122	-7.095	-0.005	-0.096	-9.249	-64.625
46172_6172	46172	6172	-3.122	7.095	0.008	0.177	9.249	64.625
46172_6173	46172	6173	3.122	5.383	-0.008	-0.177	-9.316	-57.776
46173_6173	46173	6173	-3.122	-5.383	0.005	0.105	9.316	57.776
46173_6174	46173	6174	3.122	17.861	-0.005	-0.105	-9.352	-150.754
46174_6174	46174	6174	-3.122	18.834	0.103	0.03	9.352	150.668
46174_6175	46174	6175	3.122	-9.475	-0.103	-0.03	-9.97	-65.737
46175_6175	46175	6175	-3.122	9.475	0.103	0.03	9.97	65.737
46175_6176	46175	6176	3.122	-0.117	-0.103	-0.03	-10.588	-36.958
46176_6176	46176	6176	-3.122	0.117	0.103	0.03	10.588	36.958
46176_6177	46176	6177	3.122	9.241	-0.103	-0.03	-11.206	-64.331
46177_6177	46177	6177	-3.122	-9.241	0.103	0.03	11.206	64.331
46177_6178	46177	6178	3.122	18.6	-0.103	-0.03	-11.823	-147.856

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46178_6178	46178	6178	-3.123	18.334	0.355	-0.06	11.823	147.77
46178_6179	46178	6179	3.123	-5.856	-0.355	0.06	-14.665	-51.006
46179_6179	46179	6179	-3.124	5.856	0.351	-0.123	14.665	51.006
46179_6180	46179	6180	3.124	6.622	-0.351	0.123	-17.476	-54.067
46180_6180	46180	6180	-3.123	-6.622	0.355	-0.056	17.476	54.067
46180_6181	46180	6181	3.123	19.099	-0.355	0.056	-20.318	-156.953
46181_6181	46181	6181	-3.118	18.272	-1.72	-0.221	20.318	156.826
46181_6182	46181	6182	3.118	-6.184	1.72	0.221	-6.989	-62.057
46182_6182	46182	6182	-3.12	6.184	-1.716	-0.141	6.989	62.057
46182_6183	46182	6183	3.12	5.904	1.716	0.141	6.309	-60.972
46183_6183	46183	6183	-3.119	-5.904	-1.718	-0.174	-6.309	60.966
46183_6184	46183	6184	3.119	20.721	1.718	0.174	22.629	-187.44
46184_6184	46184	6184	-3.154	20.599	1.935	-0.239	-22.629	187.284
46184_6185	46184	6185	3.154	-1.103	-1.935	0.239	-1.559	-51.642
46185_6185	46185	6185	-3.154	1.103	1.935	-0.239	1.559	51.642
46185_6186	46185	6186	3.154	18.378	-1.935	0.239	-25.728	-159.531
46186_6186	46186	6186	-3.123	15.717	-0.483	-0.562	25.728	159.661
46186_6187	46186	6187	3.123	4.95	0.483	0.562	-19.333	-88.329
46187_6187	46187	6187	-3.123	-4.95	-0.483	-0.599	19.333	87.615
46187_6188	46187	6188	3.123	24.066	0.483	0.599	-13.655	-258.09
46188_6188	46188	6188	-3.12	19.339	-1.024	-1.219	13.655	258.222
46188_6189	46188	6189	3.12	-5.917	1.024	1.219	-5.208	-154.038
46189_6189	46189	6189	-3.118	5.917	-1.028	-1.455	5.208	154.056
46189_6190	46189	6190	3.118	16.453	1.028	1.455	8.932	-226.495
46190_6190	46190	6190	-3.122	19.474	-0.606	-1.133	-8.932	226.497
46190_6191	46190	6191	3.122	-1.578	0.606	1.133	15.597	-110.707
46191_6191	46191	6191	-3.122	1.578	-0.606	-1.133	-15.597	110.707
46191_6192	46191	6192	3.122	16.318	0.606	1.133	22.262	-191.781
46192_6192	46192	6192	-3.125	17.461	-0.214	-0.54	-22.262	191.785
46192_6193	46192	6193	3.125	-1.192	0.214	0.54	24.406	-98.52
46193_6193	46193	6193	-3.125	1.192	-0.214	-0.539	-24.406	98.52
46193_6194	46193	6194	3.125	15.094	0.214	0.539	26.552	-168.103
46194_6194	46194	6194	-3.134	16.147	0.682	0.122	-26.552	168.111
46194_6195	46194	6195	3.134	0.139	-0.682	-0.122	19.729	-87.986
46195_6195	46195	6195	-3.134	-0.139	0.682	0.122	-19.729	87.986
46195_6196	46195	6196	3.134	16.424	-0.682	-0.122	12.905	-170.884
46196_6196	46196	6196	-3.121	17.754	-0.224	0.858	-12.905	170.895
46196_6197	46196	6197	3.121	0.142	0.224	-0.858	15.372	-74.022
46197_6197	46197	6197	-3.121	-0.142	-0.224	0.858	-15.372	74.022
46197_6198	46197	6198	3.121	18.038	0.224	-0.858	17.839	-174.014
46198_6198	46198	6198	-3.126	16.501	0.075	1.175	-17.839	174.02
46198_6199	46198	6199	3.126	5.853	-0.075	-1.175	16.806	-100.859
46199_6199	46199	6199	-3.126	-5.853	0.08	1.322	-16.806	100.851
46199_6200	46199	6200	3.126	19.275	-0.08	-1.322	16.148	-204.503
46200_6200	46200	6200	-3.125	20.994	0.005	1.097	-16.148	204.505
46200_6201	46200	6201	3.125	-1.878	-0.005	-1.097	16.085	-70.126
46201_6201	46201	6201	-3.125	1.878	0.006	1.091	-16.085	70.391
46201_6202	46201	6202	3.125	20.522	-0.006	-1.091	16.006	-193.909
46202_6202	46202	6202	-3.096	20.708	-2.044	0.816	-16.006	193.904
46202_6203	46202	6203	3.096	0.423	2.044	-0.816	41.557	-67.119
46203_6203	46203	6203	-3.096	-0.423	-2.044	0.816	-41.557	67.119
46203_6204	46203	6204	3.096	21.555	2.044	-0.816	67.108	-204.486
46204_6204	46204	6204	-3.149	22.043	1.709	0.932	-67.108	204.489

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46204_6205	46204	6205	3.149	-5.983	-1.709	-0.932	50.874	-71.361
46205_6205	46205	6205	-3.148	5.983	1.711	0.969	-50.874	71.35
46205_6206	46205	6206	3.148	7.119	-1.711	-0.969	37.614	-75.751
46206_6206	46206	6206	-3.15	-7.119	1.707	0.872	-37.614	75.752
46206_6207	46206	6207	3.15	20.22	-1.707	-0.872	24.386	-181.694
46207_6207	46207	6207	-3.134	20.995	0.726	0.876	-24.386	181.69
46207_6208	46207	6208	3.134	-7.471	-0.726	-0.876	18.576	-67.823
46208_6208	46208	6208	-3.135	7.471	0.722	0.791	-18.576	67.824
46208_6209	46208	6209	3.135	6.053	-0.722	-0.791	12.799	-62.154
46209_6209	46209	6209	-3.134	-6.053	0.726	0.869	-12.799	62.153
46209_6210	46209	6210	3.134	19.578	-0.726	-0.869	6.99	-164.68
46210_6210	46210	6210	-3.137	20.384	0.836	0.778	-6.99	164.68
46210_6211	46210	6211	3.137	-10.241	-0.836	-0.778	1.975	-72.802
46211_6211	46211	6211	-3.137	10.241	0.836	0.778	-1.975	72.802
46211_6212	46211	6212	3.137	-0.098	-0.836	-0.778	-3.04	-41.784
46212_6212	46212	6212	-3.137	0.098	0.836	0.778	3.04	41.784
46212_6213	46212	6213	3.137	10.045	-0.836	-0.778	-8.055	-71.628
46213_6213	46213	6213	-3.137	-10.045	0.836	0.778	8.055	71.628
46213_6214	46213	6214	3.137	20.188	-0.836	-0.778	-13.069	-162.332
46214_6214	46214	6214	-3.135	19.966	0.861	0.75	13.069	162.326
46214_6215	46214	6215	3.135	-6.442	-0.861	-0.75	-19.956	-56.691
46215_6215	46215	6215	-3.135	6.442	0.861	0.75	19.956	56.691
46215_6216	46215	6216	3.135	7.082	-0.861	-0.75	-26.842	-59.249
46216_6216	46216	6216	-3.135	-7.082	0.861	0.75	26.842	59.249
46216_6217	46216	6217	3.135	20.606	-0.861	-0.75	-33.728	-170.002
46217_6217	46217	6217	-3.102	19.872	-1.683	0.727	33.728	170
46217_6218	46217	6218	3.102	-6.77	1.683	-0.727	-20.686	-66.76
46218_6218	46218	6218	-3.104	6.77	-1.679	0.813	20.686	66.759
46218_6219	46218	6219	3.104	6.331	1.679	-0.813	-7.675	-65.059
46219_6219	46219	6219	-3.104	-6.331	-1.678	0.825	7.675	65.056
46219_6220	46219	6220	3.104	22.374	1.678	-0.825	8.253	-201.266
46220_6220	46220	6220	-3.149	22.368	2.118	0.607	-8.253	201.277
46220_6221	46220	6221	3.149	-1.235	-2.118	-0.607	-18.23	-53.738
46221_6221	46221	6221	-3.149	1.235	2.118	0.607	18.23	53.738
46221_6222	46221	6222	3.149	19.898	-2.118	-0.607	-44.714	-170.395
46222_6222	46222	6222	-3.193	17.301	-2.347	0.647	44.714	170.381
46222_6223	46222	6223	3.193	5.101	2.347	-0.647	-13.619	-89.548
46223_6223	46223	6223	-3.192	-5.101	-2.348	1.254	13.619	88.257
46223_6224	46223	6224	3.192	25.806	2.348	-1.254	13.976	-269.858
46224_6224	46224	6224	-3.139	21.691	1.515	-0.029	-13.976	269.77
46224_6225	46224	6225	3.139	-7.167	-1.515	0.029	1.491	-150.829
46225_6225	46225	6225	-3.137	7.167	1.518	0.119	-1.491	150.815
46225_6226	46225	6226	3.137	19.626	-1.518	-0.119	-21.589	-245.546
46226_6226	46226	6226	-3.142	21.946	0.168	0.175	21.589	245.64
46226_6227	46226	6227	3.142	-1.27	-0.168	-0.175	-23.558	-109.426
46227_6227	46227	6227	-3.141	1.27	0.189	0.92	23.558	109.422
46227_6228	46227	6228	3.141	19.411	-0.189	-0.92	-25.779	-215.883
46228_6228	46228	6228	-3.147	21.018	2.296	-0.009	25.779	215.83
46228_6229	46228	6229	3.147	-0.351	-2.296	0.009	-52.714	-90.5
46229_6229	46229	6229	-3.145	0.351	2.299	0.064	52.714	90.5
46229_6230	46229	6230	3.145	20.335	-2.299	-0.064	-79.704	-207.809
46230_6230	46230	6230	-2.908	21.457	-7.598	0.687	79.704	207.729
46230_6231	46230	6231	2.908	-0.048	7.598	-0.687	12.609	-77.081

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46231_6231	46231	6231	-2.971	0.048	-7.573	1.321	-12.609	77.073
46231_6232	46231	6232	2.971	21.368	7.573	-1.321	104.664	-206.64
46232_6232	46232	6232	-3.3	21.26	12.636	-1.636	-104.664	206.689
46232_6233	46232	6233	3.3	0.815	-12.636	1.636	-53.642	-78.613
46233_6233	46233	6233	-3.304	-0.815	12.635	-1.758	53.642	78.592
46233_6234	46233	6234	3.304	20.401	-12.635	1.758	-194.092	-196.51
46234_6234	46234	6234	0.348	19.837	-17.246	1.162	194.092	198.992
46234_6235	46234	6235	-0.348	-1.891	17.246	-1.162	-18.442	-88.343
46235_6235	46235	6235	0.097	1.891	-17.249	2.173	18.442	88.25
46235_6236	46235	6236	-0.097	16.691	17.249	-2.173	152.728	-161.679
46236_6236	46236	6236	-0.969	17.059	11.091	-0.67	-152.728	161.768
46236_6237	46236	6237	0.969	0.939	-11.091	0.67	46.13	-84.304
46237_6237	46237	6237	-0.957	-0.939	11.092	-0.58	-46.13	84.305
46237_6238	46237	6238	0.957	20.59	-11.092	0.58	-70.27	-197.27
46238_6238	46238	6238	-0.117	23.425	-2.503	0.334	70.27	197.442
46238_6239	46238	6239	0.117	0.055	2.503	-0.334	-38.884	-50.929
46239_6239	46239	6239	-0.132	-0.055	-2.502	0.643	38.884	50.927
46239_6240	46239	6240	0.132	22.456	2.502	-0.643	-8.949	-185.568
46240_6240	46240	6240	-0.259	20.571	-0.298	0.142	8.949	185.477
46240_6241	46240	6241	0.259	-1.877	0.298	-0.142	-5.976	-73.43
46241_6241	46241	6241	-0.259	1.877	-0.297	0.282	5.976	73.43
46241_6242	46241	6242	0.259	16.162	0.297	-0.282	-3.112	-142.235
46242_6242	46242	6242	-0.302	17.848	0.646	0.093	3.112	142.295
46242_6243	46242	6243	0.302	1.336	-0.646	-0.093	-9.734	-57.716
46243_6243	46243	6243	-0.302	-1.336	0.646	0.098	9.734	57.716
46243_6244	46243	6244	0.302	18.904	-0.646	-0.098	-15.799	-152.656
46244_6244	46244	6244	-0.259	19.033	-0.308	0.063	15.799	152.612
46244_6245	46244	6245	0.259	-1.532	0.308	-0.063	-12.924	-56.511
46245_6245	46245	6245	-0.262	1.532	-0.305	0.55	12.924	56.509
46245_6246	46245	6246	0.262	17.714	0.305	-0.55	-9.786	-139.666
46246_6246	46246	6246	-0.336	16.1	1.944	0.105	9.786	139.667
46246_6247	46246	6247	0.336	2.714	-1.944	-0.105	-29.315	-72.425
46247_6247	46247	6247	-0.337	-2.714	1.944	0.072	29.315	72.425
46247_6248	46247	6248	0.337	20.643	-1.944	-0.072	-47.923	-184.236
46248_6248	46248	6248	-0.163	22.289	-3.155	-0.056	47.923	184.302
46248_6249	46248	6249	0.163	2.562	3.155	0.056	-6.055	-53.408
46249_6249	46249	6249	-0.21	-2.562	-3.152	0.748	6.055	53.403
46249_6250	46249	6250	0.21	23.589	3.152	-0.748	29.339	-200.223
46250_6250	46250	6250	-0.244	21.877	2.292	0.317	-29.339	200.22
46250_6251	46250	6251	0.244	0.676	-2.292	-0.317	1.735	-72.548
46251_6251	46251	6251	-0.246	-0.676	2.292	0.258	-1.735	72.548
46251_6252	46251	6252	0.246	18.61	-2.292	-0.258	-20.214	-164.906
46252_6252	46252	6252	-0.202	18.711	-0.307	0.703	20.214	164.887
46252_6253	46252	6253	0.202	2.863	0.307	-0.703	-16.673	-73.59
46253_6253	46253	6253	-0.204	-2.863	-0.306	1.056	16.673	73.586
46253_6254	46253	6254	0.204	21.772	0.306	-1.056	-13.579	-197.97
46254_6254	46254	6254	-0.212	19.136	0.289	-2.36	13.579	197.693
46254_6255	46254	6255	0.212	2.992	-0.289	2.36	-16.817	-107.313
46255_6255	46255	6255	-0.212	-2.992	0.289	-2.373	16.817	107.313
46255_6256	46255	6256	0.212	29.281	-0.289	2.373	-20.665	-321.973
46256_6256	46256	6256	-0.207	23.753	-1.541	-2.56	20.665	322.009
46256_6257	46256	6257	0.207	-1.027	1.541	2.56	-2.946	-179.531
46257_6257	46257	6257	-0.218	1.027	-1.539	-1.25	2.946	179.544

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46257_6258	46257	6258	0.218	21.799	1.539	1.25	14.833	-299.507
46258_6258	46258	6258	-0.228	21.447	-2.109	-2.253	-14.833	299.695
46258_6259	46258	6259	0.228	1.673	2.109	2.253	39.501	-184.029
46259_6259	46259	6259	-0.23	-1.673	-2.109	-2.146	-39.501	184.03
46259_6260	46259	6260	0.23	24.116	2.109	2.146	63.446	-330.46
46260_6260	46260	6260	-0.236	20.614	-2.349	-3.997	-63.446	330.636
46260_6261	46260	6261	0.236	2.114	2.349	3.997	90.464	-224.257
46261_6261	46261	6261	-0.259	-2.114	-2.347	-1.798	-90.464	224.286
46261_6262	46261	6262	0.259	24.954	2.347	1.798	117.588	-380.702
46262_6262	46262	6262	-0.332	23.616	-5.89	-3.464	-117.588	380.626
46262_6263	46262	6263	0.332	-1.254	5.89	3.464	184.24	-239.918
46263_6263	46263	6263	-0.328	1.254	-5.891	-3.604	-184.24	239.914
46263_6264	46263	6264	0.328	23.884	5.891	3.604	259.168	-383.835
46264_6264	46264	6264	-0.286	27.432	-2.795	-1.584	-259.168	383.988
46264_6265	46264	6265	0.286	-1.322	2.795	1.584	296.093	-194.041
46265_6265	46265	6265	-0.29	1.322	-2.795	-1.305	-296.093	194.043
46265_6266	46265	6266	0.29	21.411	2.795	1.305	328.24	-309.586
46266_6266	46266	6266	0.288	23.715	15.43	-0.342	-328.24	309.563
46266_6267	46266	6267	-0.288	-2.714	-15.43	0.342	164.267	-169.132
46267_6267	46267	6267	0.325	2.714	15.429	0.065	-164.267	169.133
46267_6268	46267	6268	-0.325	14.226	-15.429	-0.065	32.009	-218.472
46268_6268	46268	6268	0.003	20.867	0.791	0.754	-32.009	218.746
46268_6269	46268	6269	-0.003	4.532	-0.791	-0.754	22.001	-115.419
46269_6269	46269	6269	0.002	-4.532	0.791	0.706	-22.001	115.419
46269_6270	46269	6270	-0.002	26.406	-0.791	-0.706	13.383	-283.952
46270_6270	46270	6270	0.003	35.905	0.558	0.536	-13.383	283.87
46270_6271	46270	6271	-0.003	-12.472	-0.558	-0.536	6.865	-1.566
46271_6271	46271	6271	0.01	12.472	0.558	0.555	-6.865	1.56
46271_6272	46271	6272	-0.01	12.215	-0.558	-0.555	0	0.025
46372_6372	46372	6372	-0.027	8.794	-0.788	0.297	0	-0.055
46372_6373	46372	6373	0.027	9.705	0.788	-0.297	9.755	-5.583
46373_6373	46373	6373	-0.028	-9.705	-0.788	0.299	-9.755	5.583
46373_6374	46373	6374	0.028	27.065	0.788	-0.299	18.909	-219.184
46374_6374	46374	6374	0.008	19.541	1.056	0.634	-18.909	219.176
46374_6375	46374	6375	-0.008	-2.987	-1.056	-0.634	7.214	-94.38
46375_6375	46375	6375	0.007	2.987	1.056	0.553	-7.214	94.381
46375_6376	46375	6376	-0.007	11.89	-1.056	-0.553	-3.297	-138.705
46376_6376	46376	6376	0.014	13.925	0.508	0.141	3.297	138.684
46376_6377	46376	6377	-0.014	3.587	-0.508	-0.141	-9.256	-78.101
46377_6377	46377	6377	0.02	-3.587	0.508	1.093	9.256	78.094
46377_6378	46377	6378	-0.02	20.577	-0.508	-1.093	-15.035	-215.477
46378_6378	46378	6378	-0.245	19.565	-0.225	0.232	15.035	214.514
46378_6379	46378	6379	0.245	0.042	0.225	-0.232	-12.077	-86.416
46379_6379	46379	6379	-0.245	-0.042	-0.225	0.253	12.077	86.416
46379_6380	46379	6380	0.245	16.018	0.225	-0.253	-9.668	-172.277
46380_6380	46380	6380	-0.252	15.796	-0.403	0.172	9.668	172.143
46380_6381	46380	6381	0.252	0.316	0.403	-0.172	-5.317	-88.684
46381_6381	46381	6381	-0.255	-0.316	-0.402	0.775	5.317	88.681
46381_6382	46381	6382	0.255	14.769	0.402	-0.775	-1.431	-161.639
46382_6382	46382	6382	-0.258	18.108	-0.017	0.64	1.431	162.136
46382_6383	46382	6383	0.258	-0.961	0.017	-0.64	-1.239	-52.722
46383_6383	46383	6383	-0.258	0.961	-0.017	0.615	1.239	52.722
46383_6384	46383	6384	0.258	16.291	0.017	-0.615	-1.044	-141.22

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46384_6384	46384	6384	-0.263	17.711	-0.555	1.047	1.044	141.072
46384_6385	46384	6385	0.263	-1.465	0.555	-1.047	5.039	-35.951
46385_6385	46385	6385	-0.263	1.465	-0.555	1.024	-5.039	35.952
46385_6386	46385	6386	0.263	15.643	0.555	-1.024	11.448	-117.802
46386_6386	46386	6386	-0.256	17.888	0.224	0.924	-11.448	117.772
46386_6387	46386	6387	0.256	-0.826	-0.224	-0.924	8.866	-10.024
46387_6387	46387	6387	-0.254	0.826	0.226	1.002	-8.866	10.016
46387_6388	46387	6388	0.254	17.655	-0.226	-1.002	6.046	-114.959
46388_6388	46388	6388	-0.25	17.9	0.482	1.06	-6.046	115.056
46388_6389	46388	6389	0.25	0.476	-0.482	-1.06	0.067	-7.01
46389_6389	46389	6389	-0.25	-0.476	0.482	1.055	-0.067	7.01
46389_6390	46389	6390	0.25	17.63	-0.482	-1.055	-5.512	-111.812
46390_6390	46390	6390	-0.247	17.652	0.444	0.942	5.512	111.85
46390_6391	46390	6391	0.247	1.517	-0.444	-0.942	-11.25	-7.482
46391_6391	46391	6391	-0.244	-1.517	0.445	0.994	11.25	7.475
46391_6392	46391	6392	0.244	17.876	-0.445	-0.994	-16.166	-114.531
46392_6392	46392	6392	-0.25	17.273	-0.015	0.846	16.166	114.568
46392_6393	46392	6393	0.25	0.355	0.015	-0.846	-15.983	-13.932
46393_6393	46393	6393	-0.25	-0.355	-0.015	0.851	15.983	13.932
46393_6394	46393	6394	0.25	18.259	0.015	-0.851	-15.799	-126.389
46394_6394	46394	6394	-0.234	17.419	1.54	0.573	15.799	125.931
46394_6395	46394	6395	0.234	0.174	-1.54	-0.573	-34.085	-23.562
46395_6395	46395	6395	-0.221	-0.174	1.542	0.762	34.085	23.556
46395_6396	46395	6396	0.221	18.096	-1.542	-0.762	-52.735	-134.039
46396_6396	46396	6396	-0.272	15.472	-2.797	0.273	52.735	134.104
46396_6397	46396	6397	0.272	2.37	2.797	-0.273	-19.061	-55.222
46397_6397	46397	6397	-0.275	-2.37	-2.796	0.316	19.061	55.222
46397_6398	46397	6398	0.275	20.047	2.796	-0.316	14.299	-188.941
46398_6398	46398	6398	-0.267	24.261	0.712	1.03	-14.299	188.962
46398_6399	46398	6399	0.267	-5.647	-0.712	-1.03	5.361	-1.103
46399_6399	46399	6399	-0.245	5.647	0.719	1.063	-5.361	1.071
46399_6400	46399	6400	0.245	5.395	-0.719	-1.063	0	-0.131
46572_6572	46572	6572	-0.011	8.706	-0.093	0.559	0	-0.102
46572_6573	46572	6573	0.011	9.802	0.093	-0.559	1.148	-6.681
46573_6573	46573	6573	-0.011	-9.802	-0.093	0.56	-1.148	6.681
46573_6574	46573	6574	0.011	27.047	0.093	-0.56	2.218	-219.326
46574_6574	46574	6574	-0.001	19.67	-0.114	0.33	-2.218	219.282
46574_6575	46574	6575	0.001	-3.4	0.114	-0.33	3.454	-93.682
46575_6575	46575	6575	-0.001	3.4	-0.114	0.325	-3.454	93.682
46575_6576	46575	6576	0.001	11.301	0.114	-0.325	4.571	-132.551
46576_6576	46576	6576	-0.015	13.328	0.957	-0.114	-4.571	132.495
46576_6577	46576	6577	0.015	4.357	-0.957	0.114	-6.75	-79.408
46577_6577	46577	6577	-0.002	-4.357	0.957	0.929	6.75	79.403
46577_6578	46577	6578	0.002	21.509	-0.957	-0.929	-17.732	-227.858
46578_6578	46578	6578	0.219	20.546	-0.36	0.173	17.732	229.705
46578_6579	46578	6579	-0.219	-1.299	0.36	-0.173	-13.095	-89.004
46579_6579	46579	6579	0.219	1.299	-0.36	0.214	13.095	89.004
46579_6580	46579	6580	-0.219	14.912	0.36	-0.214	-9.187	-162.847
46580_6580	46580	6580	0.226	15.567	-0.2	-0.138	9.187	162.988
46580_6581	46580	6581	-0.226	0.307	0.2	0.138	-7.065	-81.922
46581_6581	46581	6581	0.224	-0.307	-0.201	0.479	7.065	81.921
46581_6582	46581	6582	-0.224	14.922	0.201	-0.479	-5.094	-156.399
46582_6582	46582	6582	0.227	17.772	-0.206	0.208	5.094	156.114

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46582_6583	46582	6583	-0.227	-1.035	0.206	-0.208	-2.788	-50.782
46583_6583	46583	6583	0.227	1.035	-0.206	0.261	2.788	50.782
46583_6584	46583	6584	-0.227	16.44	0.206	-0.261	-0.377	-140.869
46584_6584	46584	6584	0.208	17.875	-1.045	0.391	0.377	141.18
46584_6585	46584	6585	-0.208	-1.853	1.045	-0.391	10.922	-34.52
46585_6585	46585	6585	0.208	1.853	-1.045	0.392	-10.922	34.52
46585_6586	46585	6586	-0.208	15.384	1.045	-0.392	23.078	-113.224
46586_6586	46586	6586	0.232	17.711	0.798	0.722	-23.078	113.408
46586_6587	46586	6587	-0.232	-0.85	-0.798	-0.722	13.997	-7.806
46587_6587	46587	6587	0.237	0.85	0.797	0.771	-13.997	7.802
46587_6588	46587	6588	-0.237	17.727	-0.797	-0.771	4.009	-113.593
46588_6588	46588	6588	0.226	17.754	0.173	0.935	-4.009	113.136
46588_6589	46588	6589	-0.226	0.446	-0.173	-0.935	1.89	-6.84
46589_6589	46589	6589	0.226	-0.446	0.173	0.932	-1.89	6.841
46589_6590	46589	6590	-0.226	17.668	-0.173	-0.932	-0.117	-112.104
46590_6590	46590	6590	0.233	17.554	0.482	1.034	0.117	111.713
46590_6591	46590	6591	-0.233	1.5	-0.482	-1.034	-6.313	-8.492
46591_6591	46591	6591	0.237	-1.5	0.48	1.097	6.313	8.484
46591_6592	46591	6592	-0.237	17.852	-0.48	-1.097	-11.612	-115.267
46592_6592	46592	6592	0.234	17.3	0.281	1.159	11.612	115.975
46592_6593	46592	6593	-0.234	0.091	-0.281	-1.159	-14.911	-14.989
46593_6593	46593	6593	0.234	-0.091	0.281	1.162	14.911	14.989
46593_6594	46593	6594	-0.234	18.125	-0.281	-1.162	-18.331	-125.839
46594_6594	46594	6594	0.239	17.067	0.492	1.041	18.331	125.846
46594_6595	46594	6595	-0.239	0.533	-0.492	-1.041	-24.175	-27.657
46595_6595	46595	6595	0.242	-0.533	0.49	1.244	24.175	27.648
46595_6596	46595	6596	-0.242	18.337	-0.49	-1.244	-30.065	-141.009
46596_6596	46596	6596	0.227	16.316	-0.641	1.204	30.065	141.217
46596_6597	46596	6597	-0.227	1.491	0.641	-1.204	-22.362	-52.134
46597_6597	46597	6597	0.228	-1.491	-0.641	1.183	22.362	52.135
46597_6598	46597	6598	-0.228	19.096	0.641	-1.183	-14.746	-174.439
46598_6598	46598	6598	0.228	22.81	-0.882	1.018	14.746	174.439
46598_6599	46598	6599	-0.228	-4.249	0.882	-1.018	-3.701	-4.964
46599_6599	46599	6599	0.226	4.249	-0.882	1.028	3.701	4.962
46599_6600	46599	6600	-0.226	1.967	0.882	-1.028	0	-0.175
47000_7000	47000	7000	0.102	450.517	7.117	-0.619	0	-5.196
47000_7001	47000	7001	-0.102	-419.879	-7.117	0.619	-74.772	4577.561
47001_7001	47001	7001	0.102	419.879	7.117	-0.596	74.772	-4577.56
47001_7002	47001	7002	-0.102	-392.479	-7.117	0.596	-141.644	8394.113
47002_7002	47002	7002	0.058	335.634	-6.284	5.792	141.644	-8394.12
47002_7003	47002	7003	-0.058	-300.328	6.284	-5.792	-65.555	12244.08
47003_7003	47003	7003	0.052	300.328	-6.284	-5.567	65.555	-12244.1
47003_7004	47003	7004	-0.052	-264.997	6.284	5.567	10.588	15668.85
47004_7004	47004	7004	0.07	220.314	0.271	15.49	-10.588	-15668.9
47004_7005	47004	7005	-0.07	-185.016	-0.271	-15.49	7.313	18122.17
47005_7005	47005	7005	0.071	185.016	0.27	-16.14	-7.313	-18122.2
47005_7006	47005	7006	-0.071	-149.696	-0.27	16.14	4.037	20149.22
47006_7006	47006	7006	0.074	107.026	1.083	18.209	-4.037	-20149.4
47006_7007	47006	7007	-0.074	-71.71	-1.083	-18.209	-9.079	21231.69
47007_7007	47007	7007	0.075	71.71	1.083	-18.797	9.079	-21231.7
47007_7008	47007	7008	-0.075	-36.373	-1.083	18.797	-22.2	21886.58
47008_7008	47008	7008	0.072	-5.872	-0.393	18.64	22.2	-21886.7
47008_7009	47008	7009	-0.072	41.177	0.393	-18.64	-17.439	21601.9

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47009_7009	47009	7009	0.071	-41.177	-0.393	-18.99	17.439	-21601.9
47009_7010	47009	7010	-0.071	76.503	0.393	18.99	-12.673	20889.09
47010_7010	47010	7010	0.076	-117.725	0.808	15.726	12.673	-20889.3
47010_7011	47010	7011	-0.076	153.048	-0.808	-15.726	-22.459	19249.33
47011_7011	47011	7011	0.078	-153.048	0.808	-15.818	22.459	-19249.3
47011_7012	47011	7012	-0.078	188.363	-0.808	15.818	-32.242	17181.96
47012_7012	47012	7012	0.076	-230.551	0.198	12.379	32.242	-17182.1
47012_7013	47012	7013	-0.076	265.863	-0.198	-12.379	-34.634	14176.41
47013_7013	47013	7013	0.077	-265.863	0.197	-12.267	34.634	-14176.4
47013_7014	47013	7014	-0.077	301.197	-0.197	12.267	-37.026	10740.86
47014_7014	47014	7014	0.081	-344.486	1.182	3.817	37.026	-10741
47014_7015	47014	7015	-0.081	390.682	-1.182	-3.817	-55.755	4917.701
47015_7015	47015	7015	4.515	-390.656	1.182	-3.359	55.717	-4917.65
47015_7016	47015	7016	-4.77	413.152	-1.182	3.359	-65.478	1598.907
47016_7016	47016	7016	15.164	-462.039	1.251	-1.819	65.471	-1600.01
47016_7017	47016	7017	-16.217	494.137	-1.251	1.819	-80.178	-4020.02
47017_7017	47017	7017	30.049	-493.486	1.251	3.674	80.549	4020.088
47017_7018	47017	7018	-32.417	532.331	-1.251	-3.674	-97.145	-10825.6
47018_7018	47018	7018	51.632	-579.727	-2.762	-19.506	95.357	10825.38
47018_7019	47018	7019	-55.064	618.221	2.762	19.506	-60.717	-18341.1
47019_7019	47019	7019	72.108	-616.464	-2.763	22.295	65.221	18341.07
47019_7020	47019	7020	-76.903	657.411	2.763	-22.295	-30.504	-26353.2
47020_7020	47020	7020	-2460.94	214.241	-18.203	-3.01	420.103	5837.885
47020_7021	47020	7021	2460.938	-187.669	18.203	3.01	-247.19	-3928.95
47021_7021	47021	7021	-2460.95	187.669	-16.745	-1.744	247.19	3914.006
47021_7022	47021	7022	2460.948	-168.104	16.745	1.744	-117.453	-2535.76
47022_7022	47022	7022	-2460.97	168.104	-13.588	1.509	117.453	2535.764
47022_7023	47022	7023	2460.968	-148.541	13.588	-1.509	-12.192	-1309.28
47023_7023	47023	7023	-2460.99	100.237	-7.034	-0.933	12.192	1309.182
47023_7024	47023	7024	2460.988	-80.016	7.034	0.933	44.129	-587.503
47024_7024	47024	7024	-2461	80.016	-4.309	-0.282	-44.129	587.503
47024_7025	47024	7025	2460.995	-59.823	4.309	0.282	78.581	-28.402
47025_7025	47025	7025	-2461	59.823	-4.309	-0.282	-78.581	28.402
47025_7026	47025	7026	2460.995	-39.629	4.309	0.282	113.034	369.227
47026_7026	47026	7026	-2461	-8.281	-4.034	-0.304	-113.034	-369.33
47026_7027	47026	7027	2460.998	23.444	4.034	0.304	137.255	274.089
47027_7027	47027	7027	-2461	-23.444	-4.472	-0.255	-137.255	-274.089
47027_7028	47027	7028	2460.997	38.581	4.472	0.255	164.059	88.193
47028_7028	47028	7028	-2461	-38.581	0.042	-0.417	-164.059	-88.192
47028_7029	47028	7029	2461.001	53.741	-0.042	0.417	163.805	-188.919
47029_7029	47029	7029	-2461	-53.741	0.042	-0.417	-163.805	188.919
47029_7030	47029	7030	2461.001	68.901	-0.042	0.417	163.552	-557.036
47030_7030	47030	7030	-2461.01	-116.44	1.642	-1.463	-163.552	557.021
47030_7031	47030	7031	2461.005	136.626	-1.642	1.463	150.43	-1568.43
47031_7031	47031	7031	-2461.01	-136.626	1.961	-1.259	-150.43	1568.425
47031_7032	47031	7032	2461.005	156.836	-1.961	1.259	134.736	-2742.73
47032_7032	47032	7032	-2461	-156.836	5.02	2.15	-134.736	2742.733
47032_7033	47032	7033	2461.001	177.044	-5.02	-2.15	94.568	-4078.61
47033_7033	47033	7033	-2460.96	-226.22	12.631	0.627	-94.568	4078.677
47033_7034	47033	7034	2460.962	245.789	-12.631	-0.627	-3.314	-5907.56
47034_7034	47034	7034	-2460.98	-245.789	9.472	-6.957	3.314	5907.556
47034_7035	47034	7035	2460.976	265.361	-9.472	6.957	-76.723	-7888.36
47035_7035	47035	7035	-2460.95	-265.361	14.186	7.508	76.723	7904.085

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47035_7036	47035	7036	2460.953	291.928	-14.186	-7.508	-211.454	-10550.5
47036_7036	47036	7036	76.19	550.933	1.305	-12.156	-31.294	32334.98
47036_7037	47036	7037	-71.395	-509.979	-1.305	12.156	14.9	-25661.8
47037_7037	47037	7037	57.305	511.767	1.296	8.621	-17.034	25661.79
47037_7038	47037	7038	-53.873	-473.28	-1.296	-8.621	0.796	-19483.4
47038_7038	47038	7038	38.028	432.182	1.14	-8.816	0.505	19483.78
47038_7039	47038	7039	-35.661	-393.323	-1.14	8.816	-15.643	-14005.7
47039_7039	47039	7039	24.083	394.121	1.115	19.38	14.609	13981.56
47039_7040	47039	7040	-23.042	-362.368	-1.115	-19.38	-27.714	-9534.61
47040_7040	47040	7040	15.081	310.947	-0.065	-10.503	28.305	9535.057
47040_7041	47040	7041	-14.831	-288.918	0.065	10.503	-27.766	-7061.45
47041_7041	47041	7041	11.739	289.124	-0.088	2.575	27.683	7055.242
47041_7042	47041	7042	-11.739	-252.203	0.088	-2.575	-26.332	-2879.87
47042_7042	47042	7042	11.737	206.676	-1.28	-1.9	26.332	2879.923
47042_7043	47042	7043	-11.737	-178.195	1.28	1.9	-11.104	-589.932
47043_7043	47043	7043	11.735	178.195	-1.299	-0.913	11.104	589.934
47043_7044	47043	7044	-11.735	-149.719	1.299	0.913	4.356	1360.861
47044_7044	47044	7044	11.739	108.912	0.126	0.664	-4.356	-1360.87
47044_7045	47044	7045	-11.739	-80.413	-0.126	-0.664	2.854	2488.04
47045_7045	47045	7045	11.739	80.413	0.117	-1.233	-2.854	-2488.04
47045_7046	47045	7046	-11.739	-51.941	-0.117	1.233	1.46	3275.311
47046_7046	47046	7046	11.739	10.945	0.133	3.729	-1.46	-3275.33
47046_7047	47046	7047	-11.739	17.547	-0.133	-3.729	-0.12	3236.037
47047_7047	47047	7047	11.739	-17.547	0.113	-1.688	0.12	-3236.04
47047_7048	47047	7048	-11.739	46.035	-0.113	1.688	-1.467	2857.635
47048_7048	47048	7048	11.738	-87.489	-0.072	2.742	1.467	-2857.66
47048_7049	47048	7049	-11.738	115.974	0.072	-2.742	-0.614	1646.839
47049_7049	47049	7049	11.738	-115.974	-0.082	1.363	0.614	-1646.84
47049_7050	47049	7050	-11.738	144.458	0.082	-1.363	0.357	97.104
47050_7050	47050	7050	11.741	-186.169	1.285	0.92	-0.357	-97.121
47050_7051	47050	7051	-11.741	223.078	-1.285	-0.92	-19.456	-3058.49
47051_7051	47051	7051	14.462	-222.864	1.265	5.939	19.512	3060.63
47051_7052	47051	7052	-14.693	243.201	-1.265	-5.939	-29.945	-4982.4
47052_7052	47052	7052	21.771	-290.822	0.445	-5.126	29.712	4982.268
47052_7053	47052	7053	-22.731	320.105	-0.445	5.126	-34.948	-8575.43
47053_7053	47053	7053	31.976	-319.245	0.419	13.513	35.978	8579.088
47053_7054	47053	7054	-34.27	356.8	-0.419	-13.513	-41.537	-13065.1
47054_7054	47054	7054	48.471	-400.144	-2.517	-12.028	39.675	13064.97
47054_7055	47054	7055	-51.788	437.247	2.517	12.028	-8.12	-18317.1
47055_7055	47055	7055	63.946	-435.601	-2.536	16.789	11.233	18317.08
47055_7056	47055	7056	-68.564	474.955	2.536	-16.789	20.634	-24043.6
47056_7056	47056	7056	-2052.46	270.084	-11.245	-4.993	173.806	8028.542
47056_7057	47056	7057	2052.455	-244.317	11.245	4.993	-66.902	-5583.45
47057_7057	47057	7057	-2052.47	244.317	-8.886	1.398	66.902	5549.516
47057_7058	47057	7058	2052.467	-223.769	8.886	-1.398	1.973	-3735.45
47058_7058	47058	7058	-2052.48	223.769	-6.245	6.205	-1.973	3735.449
47058_7059	47058	7059	2052.477	-203.223	6.245	-6.205	50.373	-2080.8
47059_7059	47059	7059	-2052.47	156.759	-5.771	0.073	-50.373	2080.876
47059_7060	47059	7060	2052.472	-135.574	5.771	-0.073	96.486	-912.849
47060_7060	47060	7060	-2052.48	135.574	-3.026	1.294	-96.486	912.848
47060_7061	47060	7061	2052.478	-114.365	3.026	-1.294	120.692	86.951
47061_7061	47061	7061	-2052.48	114.365	-0.466	1.185	-120.692	-86.953
47061_7062	47061	7062	2052.48	-93.158	0.466	-1.185	124.423	917.008

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47062_7062	47062	7062	-2052.48	47.96	-1.946	2.344	-124.423	-917.156
47062_7063	47062	7063	2052.479	-32.042	1.946	-2.344	136.107	1157.351
47063_7063	47063	7063	-2052.48	32.042	1.464	0.421	-136.107	-1157.35
47063_7064	47063	7064	2052.48	-16.125	-1.464	-0.421	127.315	1301.952
47064_7064	47064	7064	-2052.48	16.125	1.231	0.57	-127.315	-1301.95
47064_7065	47064	7065	2052.48	-0.235	-1.231	-0.57	119.938	1350.984
47065_7065	47065	7065	-2052.48	0.235	1.464	0.416	-119.938	-1350.98
47065_7066	47065	7066	2052.48	15.682	-1.464	-0.416	111.146	1304.613
47066_7066	47066	7066	-2052.48	-61.194	5.023	1.038	-111.146	-1304.53
47066_7067	47066	7067	2052.477	82.396	-5.023	-1.038	70.977	730.34
47067_7067	47067	7067	-2052.48	-82.396	5.023	1.038	-70.977	-730.34
47067_7068	47067	7068	2052.477	103.598	-5.023	-1.038	30.807	-13.411
47068_7068	47068	7068	-2052.48	-103.598	5.193	1.039	-30.807	13.411
47068_7069	47068	7069	2052.476	124.826	-5.193	-1.039	-10.772	-927.969
47069_7069	47069	7069	-2052.45	-170.509	10.074	-1.006	10.772	928.111
47069_7070	47069	7070	2052.453	191.044	-10.074	1.006	-88.809	-2328.43
47070_7070	47070	7070	-2052.44	-191.044	12.719	1.994	88.809	2328.432
47070_7071	47070	7071	2052.439	211.577	-12.719	-1.994	-187.32	-3887.69
47071_7071	47071	7071	-2052.44	-211.577	12.919	2.441	187.32	3918.36
47071_7072	47071	7072	2052.437	237.324	-12.919	-2.441	-310.041	-6050.41
47072_7072	47072	7072	74.642	509.579	2.531	-6.144	3.654	21792.63
47072_7073	47072	7073	-70.024	-470.199	-2.531	6.144	-35.479	-15627.5
47073_7073	47073	7073	56.991	471.98	2.52	5.357	34.13	15627.54
47073_7074	47073	7074	-53.674	-434.859	-2.52	-5.357	-65.73	-9937.58
47074_7074	47074	7074	38.841	394.463	-1.073	0.317	66.139	9937.78
47074_7075	47074	7075	-36.547	-356.927	1.073	-0.317	-51.908	-4954.43
47075_7075	47075	7075	25.724	357.878	-1.099	8.569	51.664	4948.921
47075_7076	47075	7076	-24.796	-329.571	1.099	-8.569	-38.746	-908.7
47076_7076	47076	7076	17.533	281.879	0.08	-1.02	38.928	908.771
47076_7077	47076	7077	-17.309	-262.196	-0.08	1.02	-39.591	1336.539
47077_7077	47077	7077	14.465	262.425	0.064	-2.911	39.598	-1339.62
47077_7078	47077	7078	-14.465	-227.07	-0.064	2.911	-40.487	4761.626
47078_7078	47078	7078	14.46	188.53	-0.925	1.838	40.487	-4761.66
47078_7079	47078	7079	-14.46	-160.219	0.925	-1.838	-30.126	6714.07
47079_7079	47079	7079	14.46	160.219	-0.938	-3.828	30.126	-6714.07
47079_7080	47079	7080	-14.46	-131.933	0.938	3.828	-19.638	8348.091
47080_7080	47080	7080	14.462	95.475	-0.011	3.787	19.638	-8348.16
47080_7081	47080	7081	-14.462	-67.193	0.011	-3.787	-19.514	9257.88
47081_7081	47081	7081	14.462	67.193	-0.025	-4.9	19.514	-9257.88
47081_7082	47081	7082	-14.462	-38.886	0.025	4.9	-19.237	9851.63
47082_7082	47082	7082	14.461	0.426	-0.192	4.13	19.237	-9851.7
47082_7083	47082	7083	-14.461	29.98	0.192	-4.13	-16.924	9674.007
47083_7083	47083	7083	14.461	-29.98	-0.204	-3.906	16.924	-9674.01
47083_7084	47083	7084	-14.461	60.385	0.204	3.906	-14.466	9130.708
47084_7084	47084	7084	14.46	-98.524	-0.258	4.094	14.466	-9130.77
47084_7085	47084	7085	-14.46	126.825	0.258	-4.094	-11.582	7869.659
47085_7085	47085	7085	14.46	-126.825	-0.27	-2.603	11.582	-7869.66
47085_7086	47085	7086	-14.46	155.1	0.27	2.603	-8.564	6293.4
47086_7086	47086	7086	14.46	-192.231	-0.16	4.85	8.564	-6293.43
47086_7087	47086	7087	-14.46	220.53	0.16	-4.85	-6.778	3983.691
47087_7087	47087	7087	14.459	-220.53	-0.185	-2.262	6.778	-3983.69
47087_7088	47087	7088	-14.459	248.827	0.185	2.262	-4.703	1357.468
47088_7088	47088	7088	14.462	-285.56	0.629	-0.546	4.703	-1357.47

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47088_7089	47088	7089	-14.462	319.576	-0.629	0.546	-13.166	-2712.82
47089_7089	47089	7089	18.183	-319.344	0.602	4.334	13.206	2718.716
47089_7090	47089	7090	-18.419	340.133	-0.602	-4.334	-18.17	-5438.2
47090_7090	47090	7090	27.236	-382.762	0.378	-7.511	17.877	5438.049
47090_7091	47090	7091	-28.217	412.667	-0.378	7.511	-22.319	-10113.3
47091_7091	47091	7091	39.908	-411.636	0.355	8.63	23.104	10112.89
47091_7092	47091	7092	-42.158	448.569	-0.355	-8.63	-27.809	-15821
47092_7092	47092	7092	58.739	-491.012	-2.618	-16.14	25.881	15820.69
47092_7093	47092	7093	-61.996	527.536	2.618	16.14	6.949	-22209.8
47093_7093	47093	7093	76.582	-525.589	-2.642	19.33	-3.253	22209.83
47093_7094	47093	7094	-81.123	564.367	2.642	-19.33	36.453	-29065.6
47094_7094	47094	7094	-2340.23	241.218	-7.533	-5.686	75.839	8674.011
47094_7095	47094	7095	2340.226	-215.898	7.533	5.686	-4.233	-6501.32
47095_7095	47095	7095	-2340.23	215.898	-5.416	0.036	4.233	6503.302
47095_7096	47095	7096	2340.232	-195.862	5.416	-0.036	37.71	-4908.82
47096_7096	47096	7096	-2340.24	195.862	-2.294	6.583	-37.71	4908.816
47096_7097	47096	7097	2340.237	-175.8	2.294	-6.583	55.501	-3467.81
47097_7097	47097	7097	-2340.24	131.715	-0.577	-2.982	-55.501	3467.804
47097_7098	47097	7098	2340.24	-111.032	0.577	2.982	60.115	-2497.48
47098_7098	47098	7098	-2340.24	111.032	2.444	0.242	-60.115	2497.479
47098_7099	47098	7099	2340.238	-90.324	-2.444	-0.242	40.556	-1691.63
47099_7099	47099	7099	-2340.23	90.324	5.366	2.354	-40.556	1691.629
47099_7100	47099	7100	2340.233	-69.617	-5.366	-2.354	-2.393	-1051.55
47100_7100	47100	7100	-2340.26	25.994	-0.387	-0.118	2.393	1051.666
47100_7101	47100	7101	2340.255	-10.489	0.387	0.118	-0.074	-942.346
47101_7101	47101	7101	-2340.25	10.489	3.633	1.5	0.074	942.344
47101_7102	47101	7102	2340.252	5.041	-3.633	-1.5	-21.884	-925.992
47102_7102	47102	7102	-2340.25	-5.041	-4.16	-1.583	21.884	925.992
47102_7103	47102	7103	2340.251	20.572	4.16	1.583	3.087	-1002.87
47103_7103	47103	7103	-2340.26	-20.572	-0.387	0.034	-3.087	1002.873
47103_7104	47103	7104	2340.255	36.077	0.387	-0.034	5.406	-1172.62
47104_7104	47104	7104	-2340.25	-79.945	-4.028	-1.488	-5.406	1172.524
47104_7105	47104	7105	2340.254	100.652	4.028	1.488	37.644	-1895.27
47105_7105	47105	7105	-2340.26	-100.652	-1.105	0.879	-37.644	1895.267
47105_7106	47105	7106	2340.257	121.358	1.105	-0.879	46.489	-2783.71
47106_7106	47106	7106	-2340.26	-121.358	-1.193	0.774	-46.489	2783.709
47106_7107	47106	7107	2340.257	142.039	1.193	-0.774	56.025	-3836.46
47107_7107	47107	7107	-2340.25	-185.69	4.431	-2.465	-56.025	3836.51
47107_7108	47107	7108	2340.247	205.748	-4.431	2.465	21.667	-5353.94
47108_7108	47108	7108	-2340.25	-205.748	4.431	-2.465	-21.667	5353.94
47108_7109	47108	7109	2340.247	225.806	-4.431	2.465	-12.691	-7026.88
47109_7109	47109	7109	-2340.24	-225.806	6.746	4.31	12.691	7024.243
47109_7110	47109	7110	2340.241	251.093	-6.746	-4.31	-76.736	-9287.98
47110_7110	47110	7110	91.916	548.716	1.937	-19.998	-13.562	29921.54
47110_7111	47110	7111	-87.375	-509.919	-1.937	19.998	-10.793	-23260.2
47111_7111	47111	7111	73.266	512.163	1.894	16.776	6.884	23260.23
47111_7112	47111	7112	-70.009	-475.626	-1.894	-16.776	-30.629	-17062.2
47112_7112	47112	7112	54.231	437.468	-0.341	-4.689	32.393	17062.57
47112_7113	47112	7113	-51.981	-400.552	0.341	4.689	-27.877	-11504.7
47113_7113	47113	7113	40.065	401.944	-0.376	9.655	27.329	11506.8
47113_7114	47113	7114	-39.094	-372.33	0.376	-9.655	-22.91	-6955.02
47114_7114	47114	7114	30.96	325.884	-0.203	-2.92	23.176	6955.276
47114_7115	47114	7115	-30.726	-305.294	0.203	2.92	-21.504	-4351.02

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47115_7115	47115	7115	27.428	305.661	-0.218	-0.74	21.484	4339.733
47115_7116	47115	7116	-27.428	-272.763	0.218	0.74	-18.436	-298.632
47116_7116	47116	7116	27.427	233.471	-0.638	-0.547	18.436	298.634
47116_7117	47116	7117	-27.427	-207.121	0.638	0.547	-11.298	2166.914
47117_7117	47117	7117	27.427	207.121	-0.662	-2.448	11.298	-2166.91
47117_7118	47117	7118	-27.427	-180.794	0.662	2.448	-3.898	4335.704
47118_7118	47118	7118	27.426	145.619	-0.072	-0.801	3.898	-4335.69
47118_7119	47118	7119	-27.426	-119.27	0.072	0.801	-3.093	5817.934
47119_7119	47119	7119	27.426	119.27	-0.072	-0.801	3.093	-5817.93
47119_7120	47119	7120	-27.426	-92.921	0.072	0.801	-2.288	7005.294
47120_7120	47120	7120	27.427	54.715	-0.109	6.359	2.288	-7005.32
47120_7121	47120	7121	-27.427	-26.412	0.109	-6.359	-0.977	7492.936
47121_7121	47121	7121	27.426	26.412	-0.155	-6.106	0.977	-7492.94
47121_7122	47121	7122	-27.426	1.89	0.155	6.106	0.882	7640.322
47122_7122	47122	7122	27.426	-39.753	-0.158	4.214	-0.882	-7640.33
47122_7123	47122	7123	-27.426	66.101	0.158	-4.214	2.645	7048.036
47123_7123	47123	7123	27.426	-66.101	-0.182	-2.083	-2.645	-7048.04
47123_7124	47123	7124	-27.426	92.448	0.182	2.083	4.683	6160.907
47124_7124	47124	7124	27.426	-129.697	0.032	5.932	-4.683	-6160.91
47124_7125	47124	7125	-27.426	156.044	-0.032	-5.932	4.321	4562.111
47125_7125	47125	7125	27.426	-156.044	-0.017	-2.222	-4.321	-4562.11
47125_7126	47125	7126	-27.426	182.391	0.017	2.222	4.507	2668.51
47126_7126	47126	7126	27.43	-219.503	0.763	2.112	-4.507	-2668.49
47126_7127	47126	7127	-27.43	251.336	-0.763	-2.112	-5.802	-514.469
47127_7127	47127	7127	30.419	-250.966	0.726	2.586	5.822	522.722
47127_7128	47127	7128	-30.634	269.87	-0.726	-2.586	-11.811	-2671.31
47128_7128	47128	7128	38.13	-315.665	0.861	-1.817	11.703	2671.194
47128_7129	47128	7129	-39.023	342.875	-0.861	1.817	-21.819	-6541.91
47129_7129	47129	7129	48.788	-341.561	0.804	10.356	22.532	6540.151
47129_7130	47129	7130	-50.968	377.332	-0.804	-10.356	-33.18	-11310.4
47130_7130	47130	7130	65.277	-416.278	-3.127	-3.689	32.225	11310.27
47130_7131	47130	7131	-68.436	451.707	3.127	3.689	6.933	-16755.3
47131_7131	47131	7131	84.624	-448.92	-3.145	8.008	-5.617	16755.27
47131_7132	47131	7132	-89.036	484.133	3.145	-8.008	42.518	-22245.5
47132_7132	47132	7132	-2038.89	216.911	21.303	7.146	-322.185	6376.851
47132_7133	47132	7133	2038.894	-190.329	-21.303	-7.146	102.334	-4275.49
47133_7133	47133	7133	-2038.92	190.329	18.673	-0.006	-102.334	4298.155
47133_7134	47133	7134	2038.92	-172.078	-18.673	0.006	-42.379	-2893.83
47134_7134	47134	7134	-2038.96	172.078	13.421	-7.459	42.379	2893.817
47134_7135	47134	7135	2038.961	-153.804	-13.421	7.459	-146.527	-1629.39
47135_7135	47135	7135	-2038.93	115.465	-4.436	-0.52	146.527	1629.472
47135_7136	47135	7136	2038.934	-96.649	4.436	0.52	-111.082	-782.057
47136_7136	47136	7136	-2038.94	96.649	-1.872	0.463	111.082	782.058
47136_7137	47136	7137	2038.938	-77.81	1.872	-0.463	-96.109	-84.213
47137_7137	47137	7137	-2038.94	77.81	-1.872	0.463	96.109	84.213
47137_7138	47137	7138	2038.938	-58.97	1.872	-0.463	-81.137	462.912
47138_7138	47138	7138	-2038.93	19.788	-4.386	0.816	81.137	-462.973
47138_7139	47138	7139	2038.934	-5.658	4.386	-0.816	-54.819	539.313
47139_7139	47139	7139	-2038.94	5.658	-0.988	-0.082	54.819	-539.314
47139_7140	47139	7140	2038.939	8.472	0.988	0.082	-48.889	530.873
47140_7140	47140	7140	-2038.94	-8.472	-0.988	-0.082	48.889	-530.873
47140_7141	47140	7141	2038.939	22.601	0.988	0.082	-42.96	437.654
47141_7141	47141	7141	-2038.94	-22.601	-0.988	-0.082	42.96	-437.654

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47141_7142	47141	7142	2038.939	36.731	0.988	0.082	-37.031	259.655
47142_7142	47142	7142	-2038.94	-77.918	-3.826	-0.058	37.031	-259.726
47142_7143	47142	7143	2038.936	96.758	3.826	0.058	-6.421	-438.995
47143_7143	47143	7143	-2038.94	-96.758	-1.278	0.491	6.421	438.994
47143_7144	47143	7144	2038.939	115.598	1.278	-0.491	3.799	-1288.43
47144_7144	47144	7144	-2038.94	-115.598	-1.278	0.491	-3.799	1288.429
47144_7145	47144	7145	2038.939	134.437	1.278	-0.491	14.019	-2288.58
47145_7145	47145	7145	-2038.93	-178.083	-2.252	2.21	-14.019	2288.51
47145_7146	47145	7146	2038.932	196.334	2.252	-2.21	31.471	-3739.4
47146_7146	47146	7146	-2038.93	-196.334	-4.883	-2.614	-31.471	3739.396
47146_7147	47146	7147	2038.928	214.585	4.883	2.614	69.311	-5331.74
47147_7147	47147	7147	-2038.93	-214.585	-2.459	3.13	-69.311	5311.926
47147_7148	47147	7148	2038.932	239.056	2.459	-3.13	92.676	-7466.75
47148_7148	47148	7148	103.642	476.336	1.231	-8.698	-21.727	24112.35
47148_7149	47148	7149	-99.23	-438.65	-1.231	8.698	6.272	-18356.9
47149_7149	47149	7149	87.06	441.247	1.193	6.119	-7.852	18356.95
47149_7150	47149	7150	-83.901	-405.818	-1.193	-6.119	-7.095	-13043.6
47150_7150	47150	7150	69.884	365.185	0.85	-1.956	7.788	13043.51
47150_7151	47150	7151	-67.704	-329.414	-0.85	1.956	-19.076	-8434.69
47151_7151	47151	7151	57.615	331.317	0.806	2.821	18.874	8446.491
47151_7152	47151	7152	-56.698	-303.364	-0.806	-2.821	-28.344	-4716.34
47152_7152	47152	7152	50.027	252.086	-1.769	-0.288	28.42	4716.221
47152_7153	47152	7153	-49.806	-232.661	1.769	0.288	-13.827	-2716.55
47153_7153	47153	7153	47.343	233.233	-1.723	-2.82	13.816	2715.731
47153_7154	47153	7154	-47.343	-201.86	1.723	2.82	9.873	275.586
47154_7154	47154	7154	47.334	159.458	0.259	-1.225	-9.873	-275.577
47154_7155	47154	7155	-47.334	-134.359	-0.259	1.225	7.03	1891.599
47155_7155	47155	7155	47.334	134.359	0.259	-1.225	-7.03	-1891.6
47155_7156	47155	7156	-47.334	-109.261	-0.259	1.225	4.186	3231.529
47156_7156	47156	7156	47.336	73.254	-0.215	-2.393	-4.186	-3231.53
47156_7157	47156	7157	-47.336	-50.437	0.215	2.393	6.332	3849.991
47157_7157	47157	7157	47.336	50.437	-0.167	1.457	-6.332	-3849.99
47157_7158	47157	7158	-47.336	-27.62	0.167	-1.457	8.005	4240.282
47158_7158	47158	7158	47.333	-5.642	0.139	-1.686	-8.005	-4240.28
47158_7159	47158	7159	-47.333	28.482	-0.139	1.686	6.614	4069.486
47159_7159	47159	7159	47.333	-28.482	0.187	2.404	-6.614	-4069.49
47159_7160	47159	7160	-47.333	51.299	-0.187	-2.404	4.748	3670.575
47160_7160	47160	7160	47.332	-88.651	0.361	0.064	-4.748	-3670.56
47160_7161	47160	7161	-47.332	113.75	-0.361	-0.064	0.777	2557.346
47161_7161	47161	7161	47.332	-113.75	0.404	2.389	-0.777	-2557.35
47161_7162	47161	7162	-47.332	138.849	-0.404	-2.389	-3.666	1168.034
47162_7162	47162	7162	47.329	-179.423	0.874	1.172	3.666	-1168.04
47162_7163	47162	7163	-47.329	210.796	-0.874	-1.172	-15.679	-1514.76
47163_7163	47163	7163	49.873	-210.222	0.828	2.531	15.7	1515.177
47163_7164	47163	7164	-50.094	229.647	-0.828	-2.531	-22.53	-3329.73
47164_7164	47164	7164	56.852	-278.341	1.059	-0.304	22.492	3329.843
47164_7165	47164	7165	-57.769	306.294	-1.059	0.304	-34.941	-6766.16
47165_7165	47165	7165	66.559	-304.463	1.027	3.966	35.224	6759.415
47165_7166	47165	7166	-68.767	340.673	-1.027	-3.966	-48.845	-11037
47166_7166	47166	7166	83.144	-391.417	-1.809	-4.18	48.295	11036.8
47166_7167	47166	7167	-86.342	427.287	1.809	4.18	-25.618	-16172.7
47167_7167	47167	7167	98.177	-424.714	-1.847	7.983	27.011	16172.73
47167_7168	47167	7168	-102.641	462.841	1.847	-7.983	-3.807	-21756.2

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47168_7168	47168	7168	-1974.84	245.858	3.116	-3.576	-91.974	6810.478
47168_7169	47168	7169	1974.836	-221.052	-3.116	3.576	62.373	-4592.61
47169_7169	47169	7169	-1974.83	221.052	5.396	0.614	-62.373	4617.316
47169_7170	47169	7170	1974.831	-202.298	-5.396	-0.614	20.555	-2976.81
47170_7170	47170	7170	-1974.83	202.298	5.396	0.614	-20.555	2976.812
47170_7171	47170	7171	1974.831	-183.544	-5.396	-0.614	-21.263	-1481.66
47171_7171	47171	7171	-1974.8	136.184	0.548	0.42	21.263	1481.555
47171_7172	47171	7172	1974.798	-116.825	-0.548	-0.42	-25.645	-469.508
47172_7172	47172	7172	-1974.8	116.825	-1.921	-0.167	25.645	469.508
47172_7173	47172	7173	1974.797	-97.465	1.921	0.167	-10.279	387.667
47173_7173	47173	7173	-1974.8	97.465	0.548	-0.652	10.279	-387.667
47173_7174	47173	7174	1974.798	-78.106	-0.548	0.652	-14.661	1089.959
47174_7174	47174	7174	-1974.8	33.601	0.95	-0.472	14.661	-1090.05
47174_7175	47174	7175	1974.8	-19.081	-0.95	0.472	-20.362	1248.092
47175_7175	47175	7175	-1974.8	19.081	-2.341	1.608	20.362	-1248.09
47175_7176	47175	7176	1974.799	-4.561	2.341	-1.608	-6.314	1319.02
47176_7176	47176	7176	-1974.8	4.561	0.95	-0.59	6.314	-1319.02
47176_7177	47176	7177	1974.8	9.958	-0.95	0.59	-12.015	1302.83
47177_7177	47177	7177	-1974.8	-9.958	0.95	-0.59	12.015	-1302.83
47177_7178	47177	7178	1974.8	24.478	-0.95	0.59	-17.715	1199.522
47178_7178	47178	7178	-1974.8	-69.531	1.067	-0.403	17.715	-1199.61
47178_7179	47178	7179	1974.801	88.89	-1.067	0.403	-26.251	565.917
47179_7179	47179	7179	-1974.8	-88.89	-1.401	0.304	26.251	-565.917
47179_7180	47179	7180	1974.801	108.25	1.401	-0.304	-15.04	-222.66
47180_7180	47180	7180	-1974.8	-108.25	1.067	0.583	15.04	222.659
47180_7181	47180	7181	1974.801	127.609	-1.067	-0.583	-23.576	-1166.11
47181_7181	47181	7181	-1974.77	-174.561	-3.76	2.68	23.576	1166.02
47181_7182	47181	7182	1974.771	193.316	3.76	-2.68	5.568	-2591.56
47182_7182	47182	7182	-1974.77	-193.316	-3.76	2.68	-5.568	2591.564
47182_7183	47182	7183	1974.771	212.07	3.76	-2.68	34.712	-4162.46
47183_7183	47183	7183	-1974.77	-212.07	-6.04	-2.982	-34.712	4142.601
47183_7184	47183	7184	1974.766	236.876	6.04	2.982	92.096	-6275.14
47184_7184	47184	7184	104.399	474.226	2.235	5.059	-17.159	21166.23
47184_7185	47184	7185	-99.935	-436.099	-2.235	-5.059	-10.92	-15440.1
47185_7185	47185	7185	87.825	438.716	2.273	-7.504	12.201	15440.07
47185_7186	47185	7186	-84.626	-402.846	-2.273	7.504	-40.7	-10161.1
47186_7186	47186	7186	70.426	358	-1.4	-1.897	40.084	10161.14
47186_7187	47186	7187	-68.218	-321.762	1.4	1.897	-21.498	-5650.77
47187_7187	47187	7187	58.234	323.656	-1.368	-3.523	21.464	5656.89
47187_7188	47187	7188	-57.276	-294.437	1.368	3.523	-5.387	-2024.24
47188_7188	47188	7188	50.78	239.805	-0.33	-2.184	5.344	2024.239
47188_7189	47188	7189	-50.549	-219.492	0.33	2.184	-2.619	-129.564
47189_7189	47189	7189	48.245	220.079	-0.283	-2.28	2.589	136.514
47189_7190	47189	7190	-48.245	-185.823	0.283	2.28	1.308	2654.109
47190_7190	47190	7190	48.245	141.999	-0.284	-1.757	-1.308	-2654.1
47190_7191	47190	7191	-48.245	-114.594	0.284	1.757	4.429	4065.381
47191_7191	47191	7191	48.245	114.594	-0.284	-1.757	-4.429	-4065.38
47191_7192	47191	7192	-48.245	-87.188	0.284	1.757	7.549	5175.198
47192_7192	47192	7192	48.246	47.992	-0.593	-0.637	-7.549	-5175.18
47192_7193	47192	7193	-48.246	-23.129	0.593	0.637	13.469	5530.082
47193_7193	47193	7193	48.246	23.129	-0.593	-0.664	-13.469	-5530.08
47193_7194	47193	7194	-48.246	1.76	0.593	0.664	19.398	5636.819
47194_7194	47194	7194	48.242	-37.33	-0.038	3.04	-19.398	-5636.83

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47194_7195	47194	7195	-48.242	62.218	0.038	-3.04	19.773	5139.582
47195_7195	47195	7195	48.242	-62.218	-0.086	-2.105	-19.773	-5139.58
47195_7196	47195	7196	-48.242	87.107	0.086	2.105	20.631	4393.692
47196_7196	47196	7196	48.234	-126.711	0.648	1.554	-20.631	-4393.67
47196_7197	47196	7197	-48.234	154.116	-0.648	-1.554	13.503	2849.103
47197_7197	47197	7197	48.234	-154.116	0.648	1.554	-13.503	-2849.1
47197_7198	47197	7198	-48.234	181.521	-0.648	-1.554	6.376	1003.075
47198_7198	47198	7198	48.238	-223.129	0.328	1.416	-6.376	-1003.08
47198_7199	47198	7199	-48.238	257.36	-0.328	-1.416	1.87	-2297.94
47199_7199	47199	7199	51.397	-256.753	0.281	3.716	-1.839	2283.495
47199_7200	47199	7200	-51.642	277.907	-0.281	-3.716	-0.479	-4489.1
47200_7200	47200	7200	59.655	-327.468	0.461	4.962	0.59	4489.139
47200_7201	47200	7201	-60.672	357.884	-0.461	-4.962	-6.004	-8517.58
47201_7201	47201	7201	71.029	-355.963	0.506	-2.124	5.702	8518.728
47201_7202	47201	7202	-73.531	396.467	-0.506	2.124	-12.409	-13512
47202_7202	47202	7202	89.611	-446.144	-2.649	9.712	13.435	13511.98
47202_7203	47202	7203	-93.21	486.038	2.649	-9.712	19.778	-19360.7
47203_7203	47203	7203	106.734	-483.24	-2.611	-5.151	-21.35	19360.7
47203_7204	47203	7204	-111.716	525.392	2.611	5.151	54.154	-25707.3
47204_7204	47204	7204	-2187.51	277.159	-2.163	2.89	29.153	8724.728
47204_7205	47204	7205	2187.505	-249.295	2.163	-2.89	-8.607	-6224.04
47205_7205	47205	7205	-2187.5	249.295	-4.762	-4.833	8.607	5981.404
47205_7206	47205	7206	2187.501	-228.045	4.762	4.833	28.302	-4131.67
47206_7206	47206	7206	-2187.51	228.045	-1.94	0.498	-28.302	4131.676
47206_7207	47206	7207	2187.505	-206.795	1.94	-0.498	43.336	-2446.65
47207_7207	47207	7207	-2187.52	155.629	-0.369	0.603	-43.336	2446.654
47207_7208	47207	7208	2187.519	-133.694	0.369	-0.603	46.291	-1289.35
47208_7208	47208	7208	-2187.52	133.694	-0.369	0.603	-46.291	1289.345
47208_7209	47208	7209	2187.519	-111.759	0.369	-0.603	49.245	-307.519
47209_7209	47209	7209	-2187.52	111.759	-3.104	0.219	-49.245	307.519
47209_7210	47209	7210	2187.517	-89.824	3.104	-0.219	74.075	498.829
47210_7210	47210	7210	-2187.54	38.928	1.151	0.501	-74.075	-498.808
47210_7211	47210	7211	2187.536	-22.476	-1.151	-0.501	67.17	683.022
47211_7211	47211	7211	-2187.54	22.476	1.151	0.501	-67.17	-683.022
47211_7212	47211	7212	2187.536	-6.025	-1.151	-0.501	60.265	768.528
47212_7212	47212	7212	-2187.54	6.025	-2.495	1.782	-60.265	-768.526
47212_7213	47212	7213	2187.535	10.426	2.495	-1.782	75.234	755.322
47213_7213	47213	7213	-2187.54	-10.426	1.151	0.523	-75.234	-755.324
47213_7214	47213	7214	2187.536	26.878	-1.151	-0.523	68.329	643.411
47214_7214	47214	7214	-2187.55	-78.834	2.539	1.648	-68.329	-643.388
47214_7215	47214	7215	2187.553	100.769	-2.539	-1.648	48.019	-75.033
47215_7215	47215	7215	-2187.55	-100.769	2.539	1.648	-48.019	75.033
47215_7216	47215	7216	2187.553	122.704	-2.539	-1.648	27.709	-968.937
47216_7216	47216	7216	-2187.55	-122.704	-0.196	0.437	-27.709	968.939
47216_7217	47216	7217	2187.554	144.639	0.196	-0.437	29.274	-2038.33
47217_7217	47217	7217	-2187.58	-196.294	4.962	-15.153	-29.274	2038.129
47217_7218	47217	7218	2187.584	217.543	-4.962	15.153	-9.185	-3641.77
47218_7218	47218	7218	-2187.58	-217.543	4.962	-15.153	9.185	3641.769
47218_7219	47218	7219	2187.584	238.793	-4.962	15.153	-47.644	-5410.1
47219_7219	47219	7219	-2187.44	-238.793	25.463	38.319	47.644	5660.7
47219_7220	47219	7220	2187.441	266.657	-25.463	-38.319	-289.548	-8061.61
47220_7220	47220	7220	93.855	525.056	2.57	-29.905	-23.526	24937.68
47220_7221	47220	7221	-88.873	-482.935	-2.57	29.905	-8.774	-18600.3

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47221_7221	47221	7221	75.387	485.254	2.471	28.91	2.39	18600.28
47221_7222	47221	7222	-71.788	-445.354	-2.471	-28.91	-33.391	-12761
47222_7222	47222	7222	56.241	400.92	0.365	-5.155	36.34	12762.26
47222_7223	47222	7223	-53.739	-360.406	-0.365	5.155	-41.16	-7708.98
47223_7223	47223	7223	42.488	361.749	0.274	22.848	40.33	7677.024
47223_7224	47223	7224	-41.418	-329.762	-0.274	-22.848	-43.557	-3614.94
47224_7224	47224	7224	34.034	273.083	0.606	-4.454	44.055	3615.637
47224_7225	47224	7225	-33.776	-250.804	-0.606	4.454	-49.054	-1453.62
47225_7225	47225	7225	31.076	251.275	0.492	0.418	49.065	1461.481
47225_7226	47225	7226	-31.076	-209.419	-0.492	-0.418	-56.428	1986.353
47226_7226	47226	7226	31.071	160.191	-0.223	6.504	56.428	-1986.46
47226_7227	47226	7227	-31.071	-127.704	0.223	-6.504	-53.836	3658.784
47227_7227	47227	7227	31.07	127.704	-0.331	-6.208	53.836	-3658.79
47227_7228	47227	7228	-31.07	-95.241	0.331	6.208	-49.993	4952.878
47228_7228	47228	7228	31.072	47.306	-1.493	11.902	49.993	-4952.76
47228_7229	47228	7229	-31.072	-14.839	1.493	-11.902	-32.656	5313.518
47229_7229	47229	7229	31.065	14.839	-1.627	-10.956	32.656	-5313.52
47229_7230	47229	7230	-31.065	17.634	1.627	10.956	-13.763	5297.295
47230_7230	47230	7230	30.933	-68.959	6.23	8.773	13.763	-5296.77
47230_7231	47230	7231	-30.933	102.836	-6.23	-8.773	-89.236	4256.132
47231_7231	47231	7231	30.958	-102.836	6.104	-8.579	89.236	-4256.13
47231_7232	47231	7232	-30.958	136.749	-6.104	8.579	-163.257	2803.357
47232_7232	47232	7232	31.107	-183.378	-5.155	6.584	163.257	-2803.01
47232_7233	47232	7233	-31.107	191.948	5.155	-6.584	-147.458	2227.871
47233_7233	47233	7233	32.898	-191.6	-5.204	2.052	147.483	-2227.87
47233_7234	47233	7234	-33.044	208.61	5.204	-2.052	-116.467	1035.273
47234_7234	47234	7234	36.581	-207.929	-5.248	-0.92	116.429	-1035.28
47234_7235	47234	7235	-37.166	231.968	5.248	0.92	-72.426	-809.339
47235_7235	47235	7235	40.91	-231.252	-5.298	-0.626	72.401	809.337
47235_7236	47235	7236	-41.557	247.604	5.298	0.626	-42.402	-2165.67
47236_7236	47236	7236	43.884	-304.328	5.577	-5.665	42.202	2171.162
47236_7237	47236	7237	-46.042	341.419	-5.577	5.665	-102.051	-5638.18
47237_7237	47237	7237	54.028	-340.349	5.502	5.348	103.052	5657.86
47237_7238	47237	7238	-56.824	375.155	-5.502	-5.348	-155.343	-9064.05
47238_7238	47238	7238	67.943	-402.412	-1.5	-19.891	153.082	9062.175
47238_7239	47238	7239	-71.541	437.947	1.5	19.891	-139.059	-13024.7
47239_7239	47239	7239	71.14	-438.041	-1.571	15.593	142.729	13024.66
47239_7240	47239	7240	-75.256	478.952	1.571	-15.593	-126.409	-17824.6
47240_7240	47240	7240	-2006.5	307.977	-55.722	-7.403	1066.411	5565.065
47240_7241	47240	7241	2006.499	-281.234	55.722	7.403	-635.624	-3287.46
47241_7241	47241	7241	-2006.68	281.234	-48.85	3.283	635.624	3299.855
47241_7242	47241	7242	2006.678	-252.075	48.85	-3.283	-217.686	-1018.5
47242_7242	47242	7242	-2006.78	252.075	-44.686	5.397	217.686	1018.486
47242_7243	47242	7243	2006.776	-224.108	44.686	-5.397	148.994	935.24
47243_7243	47243	7243	-2008.06	166.28	-14.558	3.254	-148.994	-935.256
47243_7244	47243	7244	2008.062	-131.741	14.558	-3.254	296.526	2445.332
47244_7244	47244	7244	-2008.09	131.741	-9.795	-2.546	-296.526	-2445.33
47244_7245	47244	7245	2008.091	-99.384	9.795	2.546	389.519	3542.453
47245_7245	47245	7245	-2007.68	54.537	-12.928	5.587	-389.519	-3541.54
47245_7246	47245	7246	2007.681	-19.296	12.928	-5.587	523.197	3923.261
47246_7246	47246	7246	-2007.71	19.296	-7.83	-4.374	-523.197	-3923.26
47246_7247	47246	7247	2007.708	12.326	7.83	4.374	595.847	3955.594
47247_7247	47247	7247	-2007.77	-64.005	-2.208	7.981	-595.847	-3954.88

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47247_7248	47247	7248	2007.77	96.009	2.208	-7.981	616.578	3203.582
47248_7248	47248	7248	-2007.76	-96.009	5.962	-5.055	-616.578	-3203.59
47248_7249	47248	7249	2007.762	130.903	-5.962	5.055	555.536	2042.027
47249_7249	47249	7249	-2008.1	-177.847	23.282	1.67	-555.536	-2041.6
47249_7250	47249	7250	2008.097	211.892	-23.282	-1.67	322.967	95.012
47250_7250	47250	7250	-2008.03	-211.892	28.647	1.417	-322.967	-95.017
47250_7251	47250	7251	2008.028	244.714	-28.647	-1.417	47.097	-2103.54
47251_7251	47251	7251	-2006.99	-294.466	-8.428	-44.167	-47.097	2102.33
47251_7252	47251	7252	2006.992	320.884	8.428	44.167	112.425	-4487.24
47252_7252	47252	7252	-2007.01	-320.884	0.086	-25.104	-112.425	4485.806
47252_7253	47252	7253	2007.01	353.729	-0.086	25.104	111.611	-7688.52
47253_7253	47253	7253	44.502	488.106	-40.583	90.479	31.179	19619.5
47253_7254	47253	7254	-40.998	-459.539	40.583	-90.479	265.506	-16157.3
47254_7254	47254	7254	24.028	397.483	26.134	-11.304	-252.311	16154.24
47254_7255	47254	7255	-19.553	-353.542	-26.134	11.304	-52.03	-11783.5
47255_7255	47255	7255	11.194	353.95	26.174	15.389	49.402	11783.46
47255_7256	47255	7256	-8.33	-317.259	-26.174	-15.389	-312.918	-8405.69
47256_7256	47256	7256	-0.267	276.538	-12.026	-8.85	314.342	8405.203
47256_7257	47256	7257	2.165	-243.09	12.026	8.85	-201.288	-5963.06
47257_7257	47257	7257	-6.796	243.029	-11.99	0.111	200.505	5956.876
47257_7258	47257	7258	7.607	-221.623	11.99	-0.111	-114.809	-4296.45
47258_7258	47258	7258	-10.675	221.564	-11.97	3.842	114.648	4296.455
47258_7259	47258	7259	11.05	-206.388	11.97	-3.842	-53.607	-3205.31
47259_7259	47259	7259	-14.554	152.607	-0.546	-6.858	53.724	3065.262
47259_7260	47259	7260	14.807	-128.784	0.546	6.858	-49.492	-1973.48
47260_7260	47260	7260	-16.452	128.901	-0.496	-1.025	49.499	1963.498
47260_7261	47260	7261	16.452	-102.677	0.496	1.025	-45.197	-958.45
47261_7261	47261	7261	-16.452	102.677	-0.477	0.062	45.197	958.451
47261_7262	47261	7262	16.452	-78.337	0.477	-0.062	-41.355	-229.317
47262_7262	47262	7262	-16.458	12.523	-1.135	-2.477	41.355	229.322
47262_7263	47262	7263	16.458	22.468	1.135	2.477	-28.211	-286.917
47263_7263	47263	7263	-16.46	-22.468	-1.1	-1.865	28.211	286.921
47263_7264	47263	7264	16.46	57.134	1.1	1.865	-15.591	-743.593
47264_7264	47264	7264	-16.478	-111.082	-2.196	-6.462	15.591	743.678
47264_7265	47264	7265	16.478	146.469	2.196	6.462	10.135	-2251.97
47265_7265	47265	7265	-16.486	-146.469	-2.136	1.731	-10.135	2251.981
47265_7266	47265	7266	16.486	180.745	2.136	-1.731	34.372	-4108.07
47266_7266	47266	7266	-16.445	-237.919	0.636	-14.721	-34.372	4108.656
47266_7267	47266	7267	16.445	272.576	-0.636	14.721	27.075	-7036.54
47267_7267	47267	7267	-16.443	-272.576	0.686	6.554	-27.075	7036.548
47267_7268	47267	7268	16.443	307.553	-0.686	-6.554	19.135	-10394.6
47268_7268	47268	7268	-16.47	-374.908	-0.223	-44.12	-19.135	10396.1
47268_7269	47268	7269	16.47	386.979	0.223	44.12	20.024	-11918.1
47269_7269	47269	7269	-11.905	-386.854	-0.182	-16.919	-20.178	11938.44
47269_7270	47269	7270	11.499	418.734	0.182	16.919	21.955	-15871.6
47270_7270	47270	7270	-2.912	-418.398	-0.139	24.435	-21.231	15871.61
47270_7271	47270	7271	1.742	452.157	0.139	-24.435	22.635	-20332.6
47271_7271	47271	7271	12.106	-512.999	-14.803	-61.364	-26.146	20363.77
47271_7272	47271	7272	-14.848	559.379	14.803	61.364	207.996	-26949.1
47272_7272	47272	7272	29.358	-558.455	-14.732	55.564	-201.151	26949.11
47272_7273	47272	7273	-33.557	607.244	14.732	-55.564	385.138	-34225.7
47273_7273	47273	7273	48.718	-625.248	27.95	-83.879	-397.728	34232.66
47273_7274	47273	7274	-51.096	647.697	-27.95	83.879	241.927	-37780.5

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47274_7274	47274	7274	60.563	-646.782	27.987	7.762	-233.455	37780.61
47274_7275	47274	7275	-64.587	680.093	-27.987	-7.762	8.273	-43118.3
47275_7275	47275	7275	-3199.39	474.561	35.668	62.483	648.226	14043.87
47275_7276	47275	7276	3199.39	-454.478	-35.668	-62.483	-844.373	-11489.4
47276_7276	47276	7276	-3202.29	386.326	-64.042	-23.932	844.373	13441.55
47276_7277	47276	7277	3202.285	-371.598	64.042	23.932	-588.317	-11926.4
47277_7277	47277	7277	-3202.39	371.598	-58.571	-8.952	588.317	12220.5
47277_7278	47277	7278	3202.39	-336.734	58.571	8.952	5.039	-8632.6
47278_7278	47278	7278	-3202.55	336.734	-49.363	15.869	-5.039	8632.592
47278_7279	47278	7279	3202.545	-304.998	49.363	-15.869	460.248	-5673.68
47279_7279	47279	7279	-3202.16	226.617	-17.686	-6.48	-460.248	5674.43
47279_7280	47279	7280	3202.163	-186.438	17.686	6.48	666.727	-3263.22
47280_7280	47280	7280	-3202.21	186.438	-4.305	7.156	-666.727	3263.22
47280_7281	47280	7281	3202.209	-144.514	4.305	-7.156	719.171	-1247.37
47281_7281	47281	7281	-3202.34	107.963	0.434	0.247	-719.171	1213.355
47281_7282	47281	7282	3202.335	-71.677	-0.434	-0.247	713.794	-100.183
47282_7282	47282	7282	-3202.32	71.677	9.486	0.53	-713.794	100.182
47282_7283	47282	7283	3202.321	-38.113	-9.486	-0.53	605.05	529.102
47283_7283	47283	7283	-3202.84	-62.263	-5.733	-0.313	-605.05	-529.377
47283_7284	47283	7284	3202.844	93.609	5.733	0.313	666.432	-305.018
47284_7284	47284	7284	-3202.84	-93.609	7.282	0.927	-666.432	305.016
47284_7285	47284	7285	3202.841	122.055	-7.282	-0.927	595.68	-1352.67
47285_7285	47285	7285	-3203.17	-183.286	100.057	-10.276	-595.68	1352.546
47285_7286	47285	7286	3203.167	207.207	-100.057	10.276	-221.803	-2947.75
47286_7286	47286	7286	-3202.99	-207.207	105.532	-5.237	221.803	2947.76
47286_7287	47286	7287	3202.991	228.717	-105.532	5.237	-997.097	-4549.02
47287_7287	47287	7287	-3202.75	-228.717	112.659	-4.737	997.097	4259.182
47287_7288	47287	7288	3202.748	254.119	-112.659	4.737	-1899.88	-6193.76
47288_7288	47288	7288	99.995	864.926	-19.577	-24.133	306.177	31343.31
47288_7289	47288	7289	-95.568	-818.805	19.577	24.133	-57.26	-20642.5
47289_7289	47289	7289	82.662	820.213	-19.634	43.28	51.303	20642.47
47289_7290	47289	7290	-79.588	-781.876	19.634	-43.28	165.539	-11797.2
47290_7290	47290	7290	57.416	709.351	4.843	-7.242	-161.324	11799.17
47290_7291	47290	7291	-56.013	-684.443	-4.843	7.242	125.598	-6658.72
47291_7291	47291	7291	42.103	685.462	4.827	1.274	-125.96	6658.719
47291_7292	47291	7292	-41.062	-656.508	-4.827	-1.274	83.903	-813.223
47292_7292	47292	7292	29.238	657.159	4.754	6.805	-83.98	809.023
47292_7293	47292	7293	-29.018	-644.863	-4.754	-6.805	63.677	1971.408
47293_7293	47293	7293	20.072	589.823	-0.525	13.89	-63.578	-1971.57
47293_7294	47293	7294	-19.977	-569.318	0.525	-13.89	67.324	6108.631
47294_7294	47294	7294	17.35	569.411	-0.557	2.918	-67.263	-6108.65
47294_7295	47294	7295	-17.35	-544.736	0.557	-2.918	72.05	10897.18
47295_7295	47295	7295	17.349	544.736	-0.597	-21.865	-72.05	-10894.9
47295_7296	47295	7296	-17.349	-521.301	0.597	21.865	76.258	14654
47296_7296	47296	7296	17.43	449.15	3.705	30.594	-76.258	-14625.8
47296_7297	47296	7297	-17.43	-412.779	-3.705	-30.594	35.557	19360.62
47297_7297	47297	7297	17.44	412.779	3.659	-20.399	-35.557	-19360.6
47297_7298	47297	7298	-17.44	-375.06	-3.659	20.399	-6.128	23848.8
47298_7298	47298	7298	17.397	309.814	0.626	57.565	6.128	-23851.5
47298_7299	47298	7299	-17.397	-272.643	-0.626	-57.565	-13.152	27121.47
47299_7299	47299	7299	17.4	272.643	0.562	-41.449	13.152	-27121.5
47299_7300	47299	7300	-17.4	-230.913	-0.562	41.449	-20.237	30295.22
47300_7300	47300	7300	17.398	162.366	0.286	55.811	20.237	-30298.7

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47300_7301	47300	7301	-17.398	-122.027	-0.286	-55.811	-23.726	32031.4
47301_7301	47301	7301	17.399	122.027	0.23	-48.173	23.726	-32031.4
47301_7302	47301	7302	-17.399	-83.462	-0.23	48.173	-26.403	33228.28
47302_7302	47302	7302	17.413	13.741	0.953	61.928	26.403	-33231.6
47302_7303	47302	7303	-17.413	28.573	-0.953	-61.928	-38.584	33136.8
47303_7303	47303	7303	17.416	-28.573	0.888	-61.717	38.584	-33136.8
47303_7304	47303	7304	-17.416	65.155	-0.888	61.717	-48.397	32618.95
47304_7304	47304	7304	17.42	-136.335	0.876	59.859	48.397	-32622.6
47304_7305	47304	7305	-17.42	174.587	-0.876	-59.859	-58.52	30826.3
47305_7305	47305	7305	17.423	-174.587	0.814	-49.612	58.52	-30826.3
47305_7306	47305	7306	-17.423	215.201	-0.814	49.612	-68.508	28435.34
47306_7306	47306	7306	17.397	-289.804	-1.027	51.602	68.508	-28438.1
47306_7307	47306	7307	-17.397	329.151	1.027	-51.602	-56.297	24759.84
47307_7307	47307	7307	17.393	-329.151	-1.097	-47.469	56.297	-24759.8
47307_7308	47307	7308	-17.393	368.677	1.097	47.469	-43.199	20594
47308_7308	47308	7308	17.574	-457.451	11.488	31.817	43.199	-20595.7
47308_7309	47308	7309	-17.574	497.18	-11.488	-31.817	-181.061	14867.56
47309_7309	47309	7309	17.623	-497.18	11.413	-30.926	181.061	-14867.6
47309_7310	47309	7310	-17.623	536.302	-11.413	30.926	-315.939	8760.949
47310_7310	47310	7310	17.158	-637.466	-23.619	0.459	315.939	-8761.5
47310_7311	47310	7311	-17.158	681.749	23.619	-0.459	0	-61.633
48000_8000	48000	8000	-1.171	9.835	-9.603	-4.207	0	0.513
48000_8001	48000	8001	1.171	5.367	9.603	4.207	90.328	20.499
48001_8001	48001	8001	-1.165	-5.367	-9.604	-4.195	-90.328	-20.502
48001_8002	48001	8002	1.165	20.146	9.604	4.195	178.149	-96.15
48002_8002	48002	8002	-1.144	20.349	7.558	-5.093	-178.149	96.073
48002_8003	48002	8003	1.144	-0.793	-7.558	5.093	86.696	31.842
48003_8003	48003	8003	-1.151	0.793	7.557	-5.064	-86.696	-31.846
48003_8004	48003	8004	1.151	18.749	-7.557	5.064	-4.68	-76.713
48004_8004	48004	8004	-1.15	20.2	-1.227	-2.93	4.68	76.902
48004_8005	48004	8005	1.15	-0.639	1.227	2.93	10.165	49.21
48005_8005	48005	8005	-1.15	0.639	-1.227	-2.925	-10.165	-49.21
48005_8006	48005	8006	1.15	18.907	1.227	2.925	25	-61.253
48006_8006	48006	8006	-1.148	19.809	0.008	-1.599	-25	61.173
48006_8007	48006	8007	1.148	-0.247	-0.008	1.599	24.906	60.203
48007_8007	48007	8007	-1.148	0.247	0.008	-1.593	-24.906	-60.203
48007_8008	48007	8008	1.148	19.298	-0.008	1.593	24.814	-54.991
48008_8008	48008	8008	-1.148	19.426	0.027	0.055	-24.814	54.994
48008_8009	48008	8009	1.148	0.123	-0.027	-0.055	24.492	61.748
48009_8009	48009	8009	-1.148	-0.123	0.027	0.055	-24.492	-61.748
48009_8010	48009	8010	1.148	19.672	-0.027	-0.055	24.169	-57.973
48010_8010	48010	8010	-1.148	19.186	0.271	1.61	-24.169	58.162
48010_8011	48010	8011	1.148	0.379	-0.271	-1.61	20.885	55.681
48011_8011	48011	8011	-1.148	-0.379	0.271	1.616	-20.885	-55.681
48011_8012	48011	8012	1.148	19.928	-0.271	-1.616	17.604	-67.129
48012_8012	48012	8012	-1.142	18.719	1.575	2.685	-17.604	67.117
48012_8013	48012	8013	1.142	0.834	-1.575	-2.685	-1.455	41.071
48013_8013	48013	8013	-1.142	-0.834	1.575	2.685	1.455	-41.071
48013_8014	48013	8014	1.142	20.387	-1.575	-2.685	-20.515	-87.303
48014_8014	48014	8014	-1.144	17.69	-0.086	3.041	20.515	87.247
48014_8015	48014	8015	1.144	7.677	0.086	-3.041	-19.157	-8.668
48015_8015	48015	8015	-1.144	-7.677	-0.087	3.039	19.157	8.674
48015_8016	48015	8016	1.144	21.011	0.087	-3.039	-18.442	-127.025

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48016_8016	48016	8016	-1.154	19.522	1.195	2.25	18.442	127.791
48016_8017	48016	8017	1.154	-0.807	-1.195	-2.25	-32.479	-8.369
48017_8017	48017	8017	-1.154	0.807	1.195	2.252	32.479	8.369
48017_8018	48017	8018	1.154	20.296	-1.195	-2.252	-48.312	-137.471
48018_8018	48018	8018	-1.116	19.471	-4.094	1.391	48.312	137.594
48018_8019	48018	8019	1.116	0.447	4.094	-1.391	2.876	-18.648
48019_8019	48019	8019	-1.116	-0.447	-4.094	1.389	-2.876	18.649
48019_8020	48019	8020	1.116	20.348	4.094	-1.389	54.025	-148.56
48020_8020	48020	8020	-1.179	21.168	3.542	0.646	-54.025	148.603
48020_8021	48020	8021	1.179	-6.039	-3.542	-0.646	20.379	-19.393
48021_8021	48021	8021	-1.18	6.039	3.542	0.649	-20.379	19.394
48021_8022	48021	8022	1.18	6.318	-3.542	-0.649	-7.1	-20.478
48022_8022	48022	8022	-1.18	-6.318	3.542	0.646	7.1	20.478
48022_8023	48022	8023	1.18	18.66	-3.542	-0.646	-34.542	-117.24
48023_8023	48023	8023	-1.169	19.415	-1.145	0.074	34.542	117.206
48023_8024	48023	8024	1.169	-6.673	1.145	-0.074	-25.385	-12.856
48024_8024	48024	8024	-1.17	6.673	-1.143	0.09	25.385	12.856
48024_8025	48024	8025	1.17	6.068	1.143	-0.09	-16.241	-10.435
48025_8025	48025	8025	-1.169	-6.068	-1.145	0.077	16.241	10.435
48025_8026	48025	8026	1.169	18.81	1.145	-0.077	-7.084	-109.941
48026_8026	48026	8026	-1.173	18.956	-0.408	0.029	7.084	109.941
48026_8027	48026	8027	1.173	-9.392	0.408	-0.029	-4.634	-24.838
48027_8027	48027	8027	-1.173	9.392	-0.406	0.066	4.634	24.838
48027_8028	48027	8028	1.173	0.154	0.406	-0.066	-2.199	2.844
48028_8028	48028	8028	-1.173	-0.154	-0.408	0.07	2.199	-2.843
48028_8029	48028	8029	1.173	9.718	0.408	-0.07	0.25	-26.795
48029_8029	48029	8029	-1.173	-9.718	-0.406	0.115	-0.25	26.795
48029_8030	48029	8030	1.173	19.281	0.406	-0.115	2.688	-113.838
48030_8030	48030	8030	-1.171	18.386	0.564	0.141	-2.688	113.801
48030_8031	48030	8031	1.171	-5.65	-0.564	-0.141	-1.821	-17.711
48031_8031	48031	8031	-1.171	5.65	0.564	0.143	1.821	17.711
48031_8032	48031	8032	1.171	7.101	-0.564	-0.143	-6.336	-23.517
48032_8032	48032	8032	-1.17	-7.101	0.565	0.169	6.336	23.516
48032_8033	48032	8033	1.17	19.835	-0.565	-0.169	-10.855	-131.181
48033_8033	48033	8033	-1.184	18.654	-1.746	-0.272	10.855	131.201
48033_8034	48033	8034	1.184	-6.309	1.746	0.272	2.68	-34.462
48034_8034	48034	8034	-1.187	6.309	-1.745	-0.228	-2.68	34.462
48034_8035	48034	8035	1.187	6.035	1.745	0.228	16.202	-33.398
48035_8035	48035	8035	-1.186	-6.035	-1.745	-0.242	-16.202	33.398
48035_8036	48035	8036	1.186	21.165	1.745	0.242	32.781	-162.576
48036_8036	48036	8036	-1.161	20.891	2.394	-0.97	-32.781	162.639
48036_8037	48036	8037	1.161	-0.974	-2.394	0.97	2.853	-25.946
48037_8037	48037	8037	-1.161	0.974	2.393	-0.972	-2.853	25.946
48037_8038	48037	8038	1.161	18.927	-2.393	0.972	-27.05	-138.096
48038_8038	48038	8038	-1.187	15.056	-0.436	-2.057	27.05	138.254
48038_8039	48038	8039	1.187	6.051	0.436	2.057	-21.275	-78.587
48039_8039	48039	8039	-1.187	-6.051	-0.436	-1.848	21.275	77.718
48039_8040	48039	8040	1.187	24.421	0.436	1.848	-16.148	-256.809
48040_8040	48040	8040	-1.206	18.808	-2	-3.366	16.148	256.954
48040_8041	48040	8041	1.206	-5.918	2	3.366	0.351	-154.983
48041_8041	48041	8041	-1.205	5.918	-2.001	-3.441	-0.351	154.981
48041_8042	48041	8042	1.205	17.948	2.001	3.441	30.908	-246.839
48042_8042	48042	8042	-1.209	20.541	0.084	-2.398	-30.908	247.025

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48042_8043	48042	8043	1.209	-1.96	-0.084	2.398	29.912	-113.268
48043_8043	48043	8043	-1.209	1.96	0.084	-2.39	-29.912	113.268
48043_8044	48043	8044	1.209	16.637	-0.084	2.39	28.915	-200.591
48044_8044	48044	8044	-1.209	19.731	-0.254	-0.6	-28.915	200.302
48044_8045	48044	8045	1.209	-1.15	0.254	0.6	31.929	-76.178
48045_8045	48045	8045	-1.209	1.15	-0.255	-0.664	-31.929	76.177
48045_8046	48045	8046	1.209	17.433	0.255	0.664	34.956	-172.984
48046_8046	48046	8046	-1.208	19.225	0.12	1.253	-34.956	172.776
48046_8047	48046	8047	1.208	-0.652	-0.12	-1.253	33.528	-54.666
48047_8047	48047	8047	-1.209	0.652	0.119	1.211	-33.528	54.667
48047_8048	48047	8048	1.209	17.938	-0.119	-1.211	32.11	-157.468
48048_8048	48048	8048	-1.206	18.863	1.001	2.759	-32.11	157.352
48048_8049	48048	8049	1.206	-0.29	-1.001	-2.759	20.21	-43.545
48049_8049	48049	8049	-1.207	0.29	1	2.726	-20.21	43.547
48049_8050	48049	8050	1.207	18.3	-1	-2.726	8.311	-150.656
48050_8050	48050	8050	-1.202	17.595	0.752	3.541	-8.311	150.44
48050_8051	48050	8051	1.202	6.271	-0.752	-3.541	-3.168	-63.977
48051_8051	48051	8051	-1.202	-6.271	0.752	3.541	3.168	63.981
48051_8052	48051	8052	1.202	19.16	-0.752	-3.541	-9.368	-168.849
48052_8052	48052	8052	-1.196	20.472	0.316	2.544	9.368	168.918
48052_8053	48052	8053	1.196	-2.095	-0.316	-2.544	-13.085	-36.247
48053_8053	48053	8053	-1.196	2.095	0.315	2.483	13.085	36.261
48053_8054	48053	8054	1.196	17.966	-0.315	-2.483	-17.259	-141.36
48054_8054	48054	8054	-1.175	18.357	-3.267	1.609	17.259	141.499
48054_8055	48054	8055	1.175	0.587	3.267	-1.609	23.599	-30.38
48055_8055	48055	8055	-1.178	-0.587	-3.266	1.631	-23.599	30.378
48055_8056	48055	8056	1.178	19.515	3.266	-1.631	64.412	-155.977
48056_8056	48056	8056	-1.192	20.15	2.503	0.928	-64.412	155.941
48056_8057	48056	8057	1.192	-5.763	-2.503	-0.928	40.638	-32.879
48057_8057	48057	8057	-1.19	5.763	2.504	0.958	-40.638	32.88
48057_8058	48057	8058	1.19	5.979	-2.504	-0.958	21.227	-33.717
48058_8058	48058	8058	-1.19	-5.979	2.504	0.958	-21.227	33.717
48058_8059	48058	8059	1.19	17.722	-2.504	-0.958	1.815	-125.588
48059_8059	48059	8059	-1.178	18.885	0.494	0.513	-1.815	125.572
48059_8060	48059	8060	1.178	-6.767	-0.494	-0.513	-2.135	-22.957
48060_8060	48060	8060	-1.178	6.767	0.494	0.513	2.135	22.957
48060_8061	48060	8061	1.178	5.351	-0.494	-0.513	-6.085	-17.29
48061_8061	48061	8061	-1.178	-5.351	0.494	0.513	6.085	17.29
48061_8062	48061	8062	1.178	17.468	-0.494	-0.513	-10.035	-108.57
48062_8062	48062	8062	-1.181	18.35	0.661	0.584	10.035	108.332
48062_8063	48062	8063	1.181	-9.269	-0.661	-0.584	-14	-25.54
48063_8063	48063	8063	-1.181	9.269	0.661	0.584	14	25.54
48063_8064	48063	8064	1.181	-0.187	-0.661	-0.584	-17.966	2.807
48064_8064	48064	8064	-1.18	0.187	0.664	0.579	17.966	-2.808
48064_8065	48064	8065	1.18	8.908	-0.664	-0.579	-21.95	-23.373
48065_8065	48065	8065	-1.181	-8.908	0.661	0.538	21.95	23.374
48065_8066	48065	8066	1.181	17.989	-0.661	-0.538	-25.916	-104.002
48066_8066	48066	8066	-1.173	18.086	1.367	0.516	25.916	104.163
48066_8067	48066	8067	1.173	-5.957	-1.367	-0.516	-36.866	-7.902
48067_8067	48067	8067	-1.173	5.957	1.367	0.515	36.866	7.903
48067_8068	48067	8068	1.173	6.157	-1.367	-0.515	-47.801	-8.702
48068_8068	48068	8068	-1.174	-6.157	1.366	0.504	47.801	8.703
48068_8069	48068	8069	1.174	18.272	-1.366	-0.504	-58.726	-106.395

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48069_8069	48069	8069	-1.196	17.477	-2.903	-0.005	58.726	106.459
48069_8070	48069	8070	1.196	-5.743	2.903	0.005	-36.237	-16.52
48070_8070	48070	8070	-1.196	5.743	-2.903	-0.003	36.237	16.52
48070_8071	48070	8071	1.196	6.006	2.903	0.003	-13.719	-17.541
48071_8071	48071	8071	-1.192	-6.006	-2.905	-0.04	13.719	17.544
48071_8072	48071	8072	1.192	20.398	2.905	0.04	13.882	-142.983
48072_8072	48072	8072	-1.129	20.323	2.825	-0.746	-13.882	142.915
48072_8073	48072	8073	1.129	-1.401	-2.825	0.746	-21.414	-7.214
48073_8073	48073	8073	-1.131	1.401	2.824	-0.751	21.414	7.214
48073_8074	48073	8074	1.131	17.538	-2.824	0.751	-56.729	-108.106
48074_8074	48074	8074	-1.165	15.358	-0.505	-1.841	56.729	108.179
48074_8075	48074	8075	1.165	4.704	0.505	1.841	-50.043	-37.624
48075_8075	48075	8075	-1.165	-4.704	-0.505	-1.53	50.043	37.621
48075_8076	48075	8076	1.165	22.114	0.505	1.53	-44.108	-195.203
48076_8076	48076	8076	-1.187	17.607	-1.819	-2.916	44.108	195.255
48076_8077	48076	8077	1.187	-5.379	1.819	2.916	-29.093	-100.398
48077_8077	48077	8077	-1.188	5.379	-1.819	-2.861	29.093	100.403
48077_8078	48077	8078	1.188	15.127	1.819	2.861	-3.919	-167.866
48078_8078	48078	8078	-1.185	17.755	-0.286	-2.409	3.919	167.925
48078_8079	48078	8079	1.185	-1.195	0.286	2.409	-0.721	-62.018
48079_8079	48079	8079	-1.185	1.195	-0.287	-2.464	0.721	62.016
48079_8080	48079	8080	1.185	15.365	0.287	2.464	2.489	-141.216
48080_8080	48080	8080	-1.187	16.83	-0.34	-1.372	-2.489	141.226
48080_8081	48080	8081	1.187	-0.274	0.34	1.372	6.293	-45.654
48081_8081	48081	8081	-1.187	0.274	-0.34	-1.37	-6.293	45.654
48081_8082	48081	8082	1.187	16.296	0.34	1.37	10.1	-135.254
48082_8082	48082	8082	-1.186	18.064	-0.074	-0.037	-10.1	135.103
48082_8083	48082	8083	1.186	-0.277	0.074	0.037	10.992	-25.005
48083_8083	48083	8083	-1.186	0.277	-0.074	-0.036	-10.992	25.005
48083_8084	48083	8084	1.186	17.524	0.074	0.036	11.885	-128.627
48084_8084	48084	8084	-1.187	16.725	-0.083	1.301	-11.885	128.633
48084_8085	48084	8085	1.187	-0.173	0.083	-1.301	12.817	-34.234
48085_8085	48085	8085	-1.187	0.173	-0.083	1.303	-12.817	34.234
48085_8086	48085	8086	1.187	16.393	0.083	-1.303	13.75	-124.925
48086_8086	48086	8086	-1.186	16.273	0.722	2.318	-13.75	124.784
48086_8087	48086	8087	1.186	0.294	-0.722	-2.318	5.678	-35.441
48087_8087	48087	8087	-1.186	-0.294	0.722	2.317	-5.678	35.442
48087_8088	48087	8088	1.186	16.846	-0.722	-2.317	-2.386	-131.188
48088_8088	48088	8088	-1.184	14.314	0.299	2.868	2.386	131.176
48088_8089	48088	8089	1.184	5.422	-0.299	-2.868	-6.368	-71.945
48089_8089	48089	8089	-1.184	-5.422	0.299	2.894	6.368	71.947
48089_8090	48089	8090	1.184	17.64	-0.299	-2.894	-8.836	-167.051
48090_8090	48090	8090	-1.186	18.582	0.539	2.16	8.836	167.073
48090_8091	48090	8091	1.186	-1.174	-0.539	-2.16	-15.175	-51.002
48091_8091	48091	8091	-1.186	1.174	0.54	2.164	15.175	51.016
48091_8092	48091	8092	1.186	18.164	-0.54	-2.164	-22.329	-163.593
48092_8092	48092	8092	-1.17	17.992	-2.959	1.272	22.329	163.418
48092_8093	48092	8093	1.17	0.248	2.959	-1.272	14.651	-52.528
48093_8093	48093	8093	-1.17	-0.248	-2.959	1.272	-14.651	52.528
48093_8094	48093	8094	1.17	18.487	2.959	-1.272	51.631	-169.607
48094_8094	48094	8094	-1.18	19.294	2.544	0.575	-51.631	169.552
48094_8095	48094	8095	1.18	-5.436	-2.544	-0.575	27.47	-52.126
48095_8095	48095	8095	-1.178	5.436	2.545	0.614	-27.47	52.131

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48095_8096	48095	8096	1.178	5.882	-2.545	-0.614	7.734	-53.86
48096_8096	48096	8096	-1.182	-5.882	2.543	0.542	-7.734	53.861
48096_8097	48096	8097	1.182	17.185	-2.543	-0.542	-11.965	-143.195
48097_8097	48097	8097	-1.166	18.051	-0.405	0.096	11.965	143.185
48097_8098	48097	8098	1.166	-6.371	0.405	-0.096	-8.719	-45.448
48098_8098	48098	8098	-1.166	6.371	-0.407	0.038	8.719	45.448
48098_8099	48098	8099	1.166	5.296	0.407	-0.038	-5.465	-41.151
48099_8099	48099	8099	-1.166	-5.296	-0.405	0.091	5.465	41.151
48099_8100	48099	8100	1.166	16.976	0.405	-0.091	-2.22	-130.285
48100_8100	48100	8100	-1.165	17.57	0.118	0.022	2.22	130.307
48100_8101	48100	8101	1.165	-8.824	-0.118	-0.022	-2.928	-51.213
48101_8101	48101	8101	-1.165	8.824	0.118	0.025	2.928	51.213
48101_8102	48101	8102	1.165	-0.064	-0.118	-0.025	-3.638	-24.535
48102_8102	48102	8102	-1.165	0.064	0.118	0.025	3.638	24.535
48102_8103	48102	8103	1.165	8.697	-0.118	-0.025	-4.347	-50.449
48103_8103	48103	8103	-1.165	-8.697	0.12	0.109	4.347	50.449
48103_8104	48103	8104	1.165	17.457	-0.12	-0.109	-5.069	-128.95
48104_8104	48104	8104	-1.171	17.209	0.814	-0.001	5.069	128.792
48104_8105	48104	8105	1.171	-5.544	-0.814	0.001	-11.574	-37.851
48105_8105	48105	8105	-1.17	5.544	0.815	0.048	11.574	37.851
48105_8106	48105	8106	1.17	6.135	-0.815	-0.048	-18.1	-40.213
48106_8106	48106	8106	-1.17	-6.135	0.815	0.046	18.1	40.213
48106_8107	48106	8107	1.17	17.799	-0.815	-0.046	-24.617	-135.868
48107_8107	48107	8107	-1.182	17	-2.252	-0.468	24.617	135.9
48107_8108	48107	8108	1.182	-5.686	2.252	0.468	-7.153	-47.954
48108_8108	48108	8108	-1.182	5.686	-2.252	-0.468	7.153	47.954
48108_8109	48108	8109	1.182	5.629	2.252	0.468	10.311	-47.733
48109_8109	48109	8109	-1.184	-5.629	-2.251	-0.405	-10.311	47.731
48109_8110	48109	8110	1.184	19.483	2.251	0.405	31.681	-166.932
48110_8110	48110	8110	-1.169	19.204	2.659	-1.138	-31.681	167.012
48110_8111	48110	8111	1.169	-0.958	-2.659	1.138	-1.567	-40.959
48111_8111	48111	8111	-1.167	0.958	2.66	-1.105	1.567	40.96
48111_8112	48111	8112	1.167	17.288	-2.66	1.105	-34.825	-143.053
48112_8112	48112	8112	-1.196	14.499	-0.662	-2.145	34.825	143.092
48112_8113	48112	8113	1.196	4.828	0.662	2.145	-26.052	-79.05
48113_8113	48113	8113	-1.196	-4.828	-0.662	-1.957	26.052	79.032
48113_8114	48113	8114	1.196	21.94	0.662	1.957	-18.271	-236.338
48114_8114	48114	8114	-1.211	16.858	-1.427	-2.881	18.271	236.384
48114_8115	48114	8115	1.211	-4.845	1.427	2.881	-6.493	-146.843
48115_8115	48115	8115	-1.208	4.845	-1.43	-3.182	6.493	146.837
48115_8116	48115	8116	1.208	15.31	1.43	3.182	13.3	-219.271
48116_8116	48116	8116	-1.209	18.132	-0.005	-2.637	-13.3	219.29
48116_8117	48116	8117	1.209	-1.866	0.005	2.637	13.352	-107.582
48117_8117	48117	8117	-1.209	1.866	-0.004	-2.539	-13.352	107.584
48117_8118	48117	8118	1.209	14.415	0.004	2.539	13.392	-177.747
48118_8118	48118	8118	-1.21	17.017	-0.312	-1.494	-13.392	177.754
48118_8119	48118	8119	1.21	-0.737	0.312	1.494	16.876	-78.495
48119_8119	48119	8119	-1.21	0.737	-0.311	-1.425	-16.876	78.496
48119_8120	48119	8120	1.21	15.527	0.311	1.425	20.345	-161.107
48120_8120	48120	8120	-1.21	18.214	0.026	-0.04	-20.345	161.317
48120_8121	48120	8121	1.21	-0.726	-0.026	0.04	20.033	-47.57
48121_8121	48121	8121	-1.21	0.726	0.027	0	-20.033	47.57
48121_8122	48121	8122	1.21	16.762	-0.027	0	19.71	-143.876

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48122_8122	48122	8122	-1.21	16.815	0.022	1.478	-19.71	143.874
48122_8123	48122	8123	1.21	-0.536	-0.022	-1.478	19.465	-46.873
48123_8123	48123	8123	-1.21	0.536	0.023	1.519	-19.465	46.871
48123_8124	48123	8124	1.21	15.742	-0.023	-1.519	19.209	-131.874
48124_8124	48124	8124	-1.21	16.289	0.718	2.725	-19.209	131.881
48124_8125	48124	8125	1.21	-0.025	-0.718	-2.725	11.192	-40.763
48125_8125	48125	8125	-1.21	0.025	0.718	2.726	-11.192	40.763
48125_8126	48125	8126	1.21	16.254	-0.718	-2.726	3.168	-131.485
48126_8126	48126	8126	-1.208	14.27	1.382	3.314	-3.168	131.62
48126_8127	48126	8127	1.208	5.328	-1.382	-3.314	-15.44	-71.44
48127_8127	48127	8127	-1.209	-5.328	1.381	3.253	15.44	71.443
48127_8128	48127	8128	1.209	17.34	-1.381	-3.253	-26.838	-164.949
48128_8128	48128	8128	-1.213	18.452	0.987	2.478	26.838	164.773
48128_8129	48128	8129	1.213	-1.344	-0.987	-2.478	-38.434	-48.473
48129_8129	48129	8129	-1.211	1.344	0.989	2.49	38.434	48.486
48129_8130	48129	8130	1.211	17.955	-0.989	-2.49	-51.533	-158.535
48130_8130	48130	8130	-1.197	17.101	-5.852	1.89	51.533	158.386
48130_8131	48130	8131	1.197	1.105	5.852	-1.89	21.619	-58.411
48131_8131	48131	8131	-1.197	-1.105	-5.852	1.89	-21.619	58.411
48131_8132	48131	8132	1.197	19.311	5.852	-1.89	94.771	-186.009
48132_8132	48132	8132	-2.956	18.377	5.444	0.772	-94.771	154.166
48132_8133	48132	8133	2.956	-4.541	-5.444	-0.772	43.056	-45.307
48133_8133	48133	8133	-2.965	4.541	5.439	0.703	-43.056	45.308
48133_8134	48133	8134	2.965	6.747	-5.439	-0.703	0.903	-53.857
48134_8134	48134	8134	-2.958	-6.747	5.443	0.772	-0.903	53.856
48134_8135	48134	8135	2.958	18.035	-5.443	-0.772	-41.28	-149.885
48135_8135	48135	8135	-2.94	18.386	-1.072	0.32	41.28	150.086
48135_8136	48135	8136	2.94	-6.735	1.072	-0.32	-32.707	-49.602
48136_8136	48136	8136	-2.94	6.735	-1.072	0.32	32.707	49.602
48136_8137	48136	8137	2.94	4.917	1.072	-0.32	-24.135	-42.331
48137_8137	48137	8137	-2.939	-4.917	-1.075	0.267	24.135	42.332
48137_8138	48137	8138	2.939	16.569	1.075	-0.267	-15.533	-128.276
48138_8138	48138	8138	-2.941	17.48	-0.412	0.223	15.533	128.276
48138_8139	48138	8139	2.941	-8.742	0.412	-0.223	-13.058	-49.61
48139_8139	48139	8139	-2.942	8.742	-0.407	0.306	13.058	49.609
48139_8140	48139	8140	2.942	-0.003	0.407	-0.306	-10.613	-23.377
48140_8140	48140	8140	-2.941	0.003	-0.412	0.267	10.613	23.377
48140_8141	48140	8141	2.941	8.736	0.412	-0.267	-8.139	-49.578
48141_8141	48141	8141	-2.941	-8.736	-0.412	0.267	8.139	49.578
48141_8142	48141	8142	2.941	17.475	0.412	-0.267	-5.665	-128.212
48142_8142	48142	8142	-2.943	17.137	0.921	0.409	5.665	128.212
48142_8143	48142	8143	2.943	-5.485	-0.921	-0.409	-13.033	-37.726
48143_8143	48143	8143	-2.944	5.485	0.917	0.362	13.033	37.726
48143_8144	48143	8144	2.944	6.167	-0.917	-0.362	-20.371	-40.455
48144_8144	48144	8144	-2.943	-6.167	0.921	0.413	20.371	40.455
48144_8145	48144	8145	2.943	17.819	-0.921	-0.413	-27.739	-136.398
48145_8145	48145	8145	-2.937	16.798	-2.736	0.038	27.739	136.398
48145_8146	48145	8146	2.937	-5.511	2.736	-0.038	-6.533	-49.95
48146_8146	48146	8146	-2.934	5.511	-2.74	-0.026	6.533	49.95
48146_8147	48146	8147	2.934	5.777	2.74	0.026	14.702	-50.983
48147_8147	48147	8147	-2.936	-5.777	-2.738	0.025	-14.702	50.979
48147_8148	48147	8148	2.936	19.614	2.738	-0.025	40.712	-171.585
48148_8148	48148	8148	-2.946	19.515	3.119	-0.694	-40.712	171.584

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48148_8149	48148	8149	2.946	-1.31	-3.119	0.694	1.72	-41.427
48149_8149	48149	8149	-2.949	1.31	3.117	-0.727	-1.72	41.427
48149_8150	48149	8150	2.949	16.896	-3.117	0.727	-37.244	-138.845
48150_8150	48150	8150	-2.94	13.823	-0.792	-1.609	37.244	138.844
48150_8151	48150	8151	2.94	5.476	0.792	1.609	-26.745	-83.544
48151_8151	48151	8151	-2.941	-5.476	-0.791	-1.521	26.745	82.354
48151_8152	48151	8152	2.941	23.326	0.791	1.521	-17.451	-251.563
48152_8152	48152	8152	-2.939	17.229	-1.122	-2.429	17.451	251.56
48152_8153	48152	8153	2.939	-4.696	1.122	2.429	-8.198	-161.121
48153_8153	48153	8153	-2.94	4.696	-1.12	-2.306	8.198	161.114
48153_8154	48153	8154	2.94	16.193	1.12	2.306	7.196	-240.16
48154_8154	48154	8154	-2.941	18.785	-0.523	-1.763	-7.196	240.161
48154_8155	48154	8155	2.941	-2.074	0.523	1.763	12.95	-125.44
48155_8155	48155	8155	-2.94	2.074	-0.526	-1.877	-12.95	125.439
48155_8156	48155	8156	2.94	14.637	0.526	1.877	18.734	-194.539
48156_8156	48156	8156	-2.941	16.549	-0.31	-0.745	-18.734	194.542
48156_8157	48156	8157	2.941	-1.358	0.31	0.745	21.838	-105.006
48157_8157	48157	8157	-2.941	1.358	-0.31	-0.745	-21.838	105.006
48157_8158	48157	8158	2.941	13.834	0.31	0.745	24.942	-167.389
48158_8158	48158	8158	-2.942	15.331	0.082	0.53	-24.942	167.39
48158_8159	48158	8159	2.942	-0.139	-0.082	-0.53	24.126	-90.043
48159_8159	48159	8159	-2.942	0.139	0.079	0.44	-24.126	90.043
48159_8160	48159	8160	2.942	15.053	-0.079	-0.44	23.338	-164.614
48160_8160	48160	8160	-2.944	16.647	0.655	1.667	-23.338	164.779
48160_8161	48160	8161	2.944	0.064	-0.655	-1.667	16.128	-73.567
48161_8161	48161	8161	-2.944	-0.064	0.658	1.733	-16.128	73.565
48161_8162	48161	8162	2.944	16.774	-0.658	-1.733	8.888	-166.175
48162_8162	48162	8162	-2.945	15.39	1.206	2.467	-8.888	166.177
48162_8163	48162	8163	2.945	5.499	-1.206	-2.467	-7.692	-98.174
48163_8163	48163	8163	-2.946	-5.499	1.204	2.389	7.692	98.168
48163_8164	48163	8164	2.946	18.032	-1.204	-2.389	-17.623	-195.232
48164_8164	48164	8164	-2.944	19.561	1.007	1.956	17.623	195.228
48164_8165	48164	8165	2.944	-1.711	-1.007	-1.956	-29.455	-70.254
48165_8165	48165	8165	-2.945	1.711	1.006	1.89	29.455	70.648
48165_8166	48165	8166	2.945	18.955	-1.006	-1.89	-42.78	-184.889
48166_8166	48166	8166	-2.935	18.879	-4.606	1.092	42.78	184.735
48166_8167	48166	8167	2.935	0.617	4.606	-1.092	14.801	-70.593
48167_8167	48167	8167	-2.939	-0.617	-4.604	1.148	-14.801	70.592
48167_8168	48167	8168	2.939	20.113	4.604	-1.148	72.352	-200.149
48168_8168	48168	8168	-2.962	20.694	4.294	0.469	-72.352	200.004
48168_8169	48168	8169	2.962	-5.877	-4.294	-0.469	31.562	-73.792
48169_8169	48169	8169	-2.965	5.877	4.292	0.402	-31.562	73.788
48169_8170	48169	8170	2.965	6.211	-4.292	-0.402	-1.698	-75.08
48170_8170	48170	8170	-2.96	-6.211	4.295	0.499	1.698	75.08
48170_8171	48170	8171	2.96	18.298	-4.295	-0.499	-34.987	-170.051
48171_8171	48171	8171	-2.954	19.474	-0.867	-0.027	34.987	169.885
48171_8172	48171	8172	2.954	-6.997	0.867	0.027	-28.054	-64.001
48172_8172	48172	8172	-2.953	6.997	-0.87	-0.107	28.054	64.001
48172_8173	48172	8173	2.953	5.481	0.87	0.107	-21.091	-57.937
48173_8173	48173	8173	-2.954	-5.481	-0.867	-0.034	21.091	57.937
48173_8174	48173	8174	2.954	17.958	0.867	0.034	-14.158	-151.693
48174_8174	48174	8174	-2.956	18.85	0.089	-0.036	14.158	151.538
48174_8175	48174	8175	2.956	-9.492	-0.089	0.036	-14.689	-66.51

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48175_8175	48175	8175	-2.956	9.492	0.089	-0.036	14.689	66.51
48175_8176	48175	8176	2.956	-0.134	-0.089	0.036	-15.22	-37.631
48176_8176	48176	8176	-2.956	0.134	0.093	0.027	15.22	37.631
48176_8177	48176	8177	2.956	9.224	-0.093	-0.027	-15.781	-64.901
48177_8177	48177	8177	-2.956	-9.224	0.089	-0.082	15.781	64.901
48177_8178	48177	8178	2.956	18.582	-0.089	0.082	-16.312	-148.319
48178_8178	48178	8178	-2.959	18.44	1.109	-0.005	16.312	148.164
48178_8179	48178	8179	2.959	-5.963	-1.109	0.005	-25.182	-50.552
48179_8179	48179	8179	-2.958	5.963	1.112	0.058	25.182	50.552
48179_8180	48179	8180	2.958	6.515	-1.112	-0.058	-34.081	-52.76
48180_8180	48180	8180	-2.958	-6.515	1.112	0.058	34.081	52.76
48180_8181	48180	8181	2.958	18.992	-1.112	-0.058	-42.98	-154.787
48181_8181	48181	8181	-2.944	17.946	-4.494	-0.365	42.98	154.627
48181_8182	48181	8182	2.944	-5.858	4.494	0.365	-8.154	-62.386
48182_8182	48182	8182	-2.95	5.858	-4.49	-0.284	8.154	62.386
48182_8183	48182	8183	2.95	6.229	4.49	0.284	26.643	-63.824
48183_8183	48183	8183	-2.948	-6.229	-4.492	-0.299	-26.643	63.818
48183_8184	48183	8184	2.948	21.046	4.492	0.299	69.313	-193.376
48184_8184	48184	8184	-2.972	20.888	4.965	-0.969	-69.313	193.24
48184_8185	48184	8185	2.972	-1.392	-4.965	0.969	7.256	-53.994
48185_8185	48185	8185	-2.968	1.392	4.967	-0.925	-7.256	53.995
48185_8186	48185	8186	2.968	18.104	-4.967	0.925	-54.83	-158.449
48186_8186	48186	8186	-2.96	15.68	-1.203	-1.648	54.83	158.305
48186_8187	48186	8187	2.96	4.986	1.203	1.648	-38.891	-87.457
48187_8187	48187	8187	-2.959	-4.986	-1.204	-1.708	38.891	86.979
48187_8188	48187	8188	2.959	24.102	1.204	1.708	-24.743	-257.869
48188_8188	48188	8188	-2.961	19.343	-1.676	-2.826	24.743	257.686
48188_8189	48188	8189	2.961	-5.921	1.676	2.826	-10.913	-153.475
48189_8189	48189	8189	-2.96	5.921	-1.678	-2.919	10.913	153.492
48189_8190	48189	8190	2.96	16.449	1.678	2.919	12.157	-225.871
48190_8190	48190	8190	-2.959	19.606	-1.114	-2.503	-12.157	225.703
48190_8191	48190	8191	2.959	-1.71	1.114	2.503	24.405	-108.464
48191_8191	48191	8191	-2.96	1.71	-1.111	-2.405	-24.405	108.466
48191_8192	48191	8192	2.96	16.185	1.111	2.405	36.625	-188.081
48192_8192	48192	8192	-2.961	17.387	-0.361	-0.914	-36.625	187.91
48192_8193	48192	8193	2.961	-1.183	0.361	0.914	40.215	-95.433
48193_8193	48193	8193	-2.961	1.183	-0.361	-0.914	-40.215	95.433
48193_8194	48193	8194	2.961	15.037	0.361	0.914	43.81	-164.496
48194_8194	48194	8194	-2.966	16.132	0.381	0.788	-43.81	164.506
48194_8195	48194	8195	2.966	0.088	-0.381	-0.788	40.01	-84.522
48195_8195	48195	8195	-2.966	-0.088	0.381	0.788	-40.01	84.522
48195_8196	48195	8196	2.966	16.308	-0.381	-0.788	36.211	-166.252
48196_8196	48196	8196	-2.967	17.655	0.621	2.483	-36.211	166.092
48196_8197	48196	8197	2.967	0.241	-0.621	-2.483	29.375	-70.314
48197_8197	48197	8197	-2.967	-0.241	0.621	2.483	-29.375	70.314
48197_8198	48197	8198	2.967	18.136	-0.621	-2.483	22.539	-171.388
48198_8198	48198	8198	-2.97	16.405	1.038	3.481	-22.539	171.233
48198_8199	48198	8199	2.97	5.964	-1.038	-3.481	8.27	-99.451
48199_8199	48199	8199	-2.971	-5.964	1.036	3.404	-8.27	99.448
48199_8200	48199	8200	2.971	19.37	-1.036	-3.404	-0.264	-203.825
48200_8200	48200	8200	-2.96	21.094	0.308	2.815	0.264	204.003
48200_8201	48200	8201	2.96	-1.978	-0.308	-2.815	-3.878	-68.454
48201_8201	48201	8201	-2.96	1.978	0.306	2.738	3.878	68.695

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48201_8202	48201	8202	2.96	20.421	-0.306	-2.738	-7.936	-190.878
48202_8202	48202	8202	-2.918	20.342	-4.348	1.772	7.936	191.036
48202_8203	48202	8203	2.918	0.789	4.348	-1.772	46.415	-68.829
48203_8203	48203	8203	-2.918	-0.789	-4.348	1.772	-46.415	68.829
48203_8204	48203	8204	2.918	21.92	4.348	-1.772	100.766	-210.762
48204_8204	48204	8204	-3.016	22.41	3.864	0.987	-100.766	210.826
48204_8205	48204	8205	3.016	-6.35	-3.864	-0.987	64.056	-74.216
48205_8205	48205	8205	-3.014	6.35	3.866	1.004	-64.056	74.206
48205_8206	48205	8206	3.014	6.751	-3.866	-1.004	34.096	-75.759
48206_8206	48206	8206	-3.014	-6.751	3.866	1.004	-34.096	75.759
48206_8207	48206	8207	3.014	19.852	-3.866	-1.004	4.135	-178.847
48207_8207	48207	8207	-2.988	20.904	0.291	0.539	-4.135	179.002
48207_8208	48207	8208	2.988	-7.38	-0.291	-0.539	1.805	-65.867
48208_8208	48208	8208	-2.988	7.38	0.291	0.539	-1.805	65.867
48208_8209	48208	8209	2.988	6.144	-0.291	-0.539	-0.526	-60.923
48209_8209	48209	8209	-2.988	-6.144	0.291	0.539	0.526	60.923
48209_8210	48209	8210	2.988	19.668	-0.291	-0.539	-2.856	-164.168
48210_8210	48210	8210	-2.981	20.424	0.662	0.631	2.856	164.356
48210_8211	48210	8211	2.981	-10.281	-0.662	-0.631	-6.826	-72.243
48211_8211	48211	8211	-2.981	10.281	0.662	0.631	6.826	72.243
48211_8212	48211	8212	2.981	-0.138	-0.662	-0.631	-10.796	-40.987
48212_8212	48212	8212	-2.98	0.138	0.667	0.699	10.796	40.986
48212_8213	48212	8213	2.98	10.005	-0.667	-0.699	-14.796	-70.587
48213_8213	48213	8213	-2.981	-10.005	0.662	0.582	14.796	70.588
48213_8214	48213	8214	2.981	20.148	-0.662	-0.582	-18.766	-161.046
48214_8214	48214	8214	-2.963	20.079	1.135	0.858	18.766	161.239
48214_8215	48214	8215	2.963	-6.555	-1.135	-0.858	-27.844	-54.705
48215_8215	48215	8215	-2.963	6.555	1.135	0.858	27.844	54.705
48215_8216	48215	8216	2.963	6.969	-1.135	-0.858	-36.921	-56.364
48216_8216	48216	8216	-2.963	-6.969	1.135	0.858	36.921	56.364
48216_8217	48216	8217	2.963	20.493	-1.135	-0.858	-45.999	-166.218
48217_8217	48217	8217	-2.965	19.487	-3.654	0.865	45.999	166.205
48217_8218	48217	8218	2.965	-6.386	3.654	-0.865	-17.677	-65.946
48218_8218	48218	8218	-2.965	6.386	-3.654	0.865	17.677	65.946
48218_8219	48218	8219	2.965	6.716	3.654	-0.865	10.646	-67.226
48219_8219	48219	8219	-2.965	-6.716	-3.655	0.862	-10.646	67.224
48219_8220	48219	8220	2.965	22.776	3.655	-0.862	45.368	-207.31
48220_8220	48220	8220	-2.874	22.665	4.491	0.077	-45.368	207.35
48220_8221	48220	8221	2.874	-1.544	-4.491	-0.077	-10.748	-56.111
48221_8221	48221	8221	-2.874	1.544	4.491	0.076	10.748	56.111
48221_8222	48221	8222	2.874	19.593	-4.491	-0.076	-66.907	-168.953
48222_8222	48222	8222	-3.005	17.324	-2.069	-0.523	66.907	168.95
48222_8223	48222	8223	3.005	5.082	2.069	0.523	-39.48	-87.819
48223_8223	48223	8223	-3.004	-5.082	-2.07	0.086	39.48	86.368
48223_8224	48223	8224	3.004	25.774	2.07	-0.086	-15.176	-267.553
48224_8224	48224	8224	-2.96	21.291	0.292	-1.636	15.176	267.48
48224_8225	48224	8225	2.96	-6.762	-0.292	1.636	-17.58	-151.818
48225_8225	48225	8225	-2.959	6.762	0.295	-1.47	17.58	151.807
48225_8226	48225	8226	2.959	19.193	-0.295	1.47	-21.924	-243.369
48226_8226	48226	8226	-2.978	21.503	-1.191	-0.847	21.924	243.307
48226_8227	48226	8227	2.978	-1.261	1.191	0.847	-8.236	-112.546
48227_8227	48227	8227	-2.985	1.261	-1.173	-0.162	8.236	112.549
48227_8228	48227	8228	2.985	18.987	1.173	0.162	5.246	-214.395

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48228_8228	48228	8228	-2.969	20.505	2.957	0.221	-5.246	214.535
48228_8229	48228	8229	2.969	-0.251	-2.957	-0.221	-28.743	-95.245
48229_8229	48229	8229	-2.967	0.251	2.96	0.308	28.743	95.244
48229_8230	48229	8230	2.967	19.985	-2.96	-0.308	-62.736	-208.568
48230_8230	48230	8230	-2.968	21.456	2.793	0.626	62.736	208.592
48230_8231	48230	8231	2.968	-0.162	-2.793	-0.626	-96.49	-77.961
48231_8231	48231	8231	-2.944	0.162	2.818	1.274	96.49	77.953
48231_8232	48231	8232	2.944	21.124	-2.818	-1.274	-130.528	-204.574
48232_8232	48232	8232	-2.779	20.808	-18.527	3.539	130.528	204.693
48232_8233	48232	8233	2.779	2.885	18.527	-3.539	118.606	-84.192
48233_8233	48233	8233	-2.773	-2.885	-18.528	3.511	-118.606	84.193
48233_8234	48233	8234	2.773	20.257	18.528	-3.511	301.284	-198.281
48234_8234	48234	8234	-1.085	19.564	18.448	-0.812	-301.284	197.519
48234_8235	48234	8235	1.085	-1.802	-18.448	0.812	115.319	-89.832
48235_8235	48235	8235	-0.845	1.802	18.461	0.288	-115.319	89.792
48235_8236	48235	8236	0.845	15.833	-18.461	-0.288	-58.537	-155.859
48236_8236	48236	8236	-0.365	16.354	2.032	0.64	58.537	155.768
48236_8237	48236	8237	0.365	0.793	-2.032	-0.64	-77.141	-84.52
48237_8237	48237	8237	-0.383	-0.793	2.028	-0.098	77.141	84.523
48237_8238	48237	8238	0.383	20.143	-2.028	0.098	-98.102	-192.694
48238_8238	48238	8238	-0.012	23.141	-5.116	0.308	98.102	192.565
48238_8239	48238	8239	0.012	6.62	5.116	-0.308	-16.793	-61.281
48239_8239	48239	8239	-0.016	-6.62	-5.116	0.355	16.793	61.281
48239_8240	48239	8240	0.016	22.723	5.116	-0.355	27.2	-187.448
48240_8240	48240	8240	-0.351	20.963	2.537	-0.424	-27.2	187.403
48240_8241	48240	8241	0.351	-1.691	-2.537	0.424	1.087	-70.825
48241_8241	48241	8241	-0.352	1.691	2.537	-0.453	-1.087	70.824
48241_8242	48241	8242	0.352	15.795	-2.537	0.453	-22.604	-136.678
48242_8242	48242	8242	-0.243	17.631	-0.018	0.301	22.604	136.531
48242_8243	48242	8243	0.243	1.906	0.018	-0.301	-22.415	-54.497
48243_8243	48243	8243	-0.243	-1.906	-0.018	0.262	22.415	54.497
48243_8244	48243	8244	0.243	19.11	0.018	-0.262	-22.247	-151.04
48244_8244	48244	8244	-0.267	19.014	0.707	0.243	22.247	151.007
48244_8245	48244	8245	0.267	-1.331	-0.707	-0.243	-28.922	-54.951
48245_8245	48245	8245	-0.261	1.331	0.709	0.733	28.922	54.946
48245_8246	48245	8246	0.261	17.723	-0.709	-0.733	-36.139	-138.345
48246_8246	48246	8246	-0.276	15.876	1.076	0.569	36.139	138.514
48246_8247	48246	8247	0.276	2.746	-1.076	-0.569	-46.839	-73.225
48247_8247	48247	8247	-0.276	-2.746	1.076	0.549	46.839	73.225
48247_8248	48247	8248	0.276	20.877	-1.076	-0.549	-57.256	-187.592
48248_8248	48248	8248	-0.136	22.424	-4.672	0.1	57.256	187.665
48248_8249	48248	8249	0.136	0.056	4.672	-0.1	-1.173	-53.397
48249_8249	48249	8249	-0.192	-0.056	-4.67	0.741	1.173	53.392
48249_8250	48249	8250	0.192	23.453	4.67	-0.741	57.17	-200.259
48250_8250	48250	8250	-0.293	22.071	3.422	-0.558	-57.17	200.289
48250_8251	48250	8251	0.293	-1.272	-3.422	0.558	19.162	-70.647
48251_8251	48251	8251	-0.29	1.272	3.422	-0.491	-19.162	70.647
48251_8252	48251	8252	0.29	18.417	-3.422	0.491	-16.819	-160.787
48252_8252	48252	8252	-0.275	18.692	1.088	-1.064	16.819	160.73
48252_8253	48252	8253	0.275	3.975	-1.088	1.064	-29.988	-71.654
48253_8253	48253	8253	-0.269	-3.975	1.089	-0.722	29.988	71.658
48253_8254	48253	8254	0.269	21.806	-1.089	0.722	-40.359	-194.4
48254_8254	48254	8254	-0.269	18.994	-1.187	-3.832	40.359	194.202

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48254_8255	48254	8255	0.269	4.394	1.187	3.832	-26.311	-107.808
48255_8255	48255	8255	-0.268	-4.394	-1.187	-3.915	26.311	107.805
48255_8256	48255	8256	0.268	29.415	1.187	3.915	-11.28	-321.826
48256_8256	48256	8256	-0.271	23.319	-2.079	-3.773	11.28	321.839
48256_8257	48256	8257	0.271	-0.274	2.079	3.773	12.959	-184.279
48257_8257	48257	8257	-0.287	0.274	-2.077	-2.399	-12.959	184.302
48257_8258	48257	8258	0.287	22.255	2.077	2.399	36.633	-309.593
48258_8258	48258	8258	-0.299	20.95	-2.17	-2.43	-36.633	309.488
48258_8259	48258	8259	0.299	2.256	2.17	2.43	62.111	-199.73
48259_8259	48259	8259	-0.3	-2.256	-2.17	-2.386	-62.111	199.73
48259_8260	48259	8260	0.3	24.603	2.17	2.386	86.646	-351.593
48260_8260	48260	8260	-0.365	21.361	-6.308	-2.842	-86.646	351.767
48260_8261	48260	8261	0.365	-3.429	6.308	2.842	143.879	-239.298
48261_8261	48261	8261	-0.44	3.429	-6.303	0.025	-143.879	239.315
48261_8262	48261	8262	0.44	24.217	6.303	-0.025	232.05	-384.721
48262_8262	48262	8262	-0.109	25.37	5.403	-1.49	-232.05	384.538
48262_8263	48262	8263	0.109	-0.225	-5.403	1.49	163.308	-221.712
48263_8263	48263	8263	-0.114	0.225	5.403	-1.672	-163.308	221.71
48263_8264	48263	8264	0.114	21.717	-5.403	1.672	103.325	-341.016
48264_8264	48264	8264	-0.384	26.193	-6.593	1.797	-103.325	341.059
48264_8265	48264	8265	0.384	-2.32	6.593	-1.797	182.974	-168.836
48265_8265	48265	8265	-0.383	2.32	-6.593	1.772	-182.974	168.837
48265_8266	48265	8266	0.383	22.876	6.593	-1.772	267.035	-299.872
48266_8266	48266	8266	0.25	23.061	10.492	0.518	-267.035	299.859
48266_8267	48266	8267	-0.25	-2.352	-10.492	-0.518	157.091	-166.71
48267_8267	48267	8267	0.237	2.352	10.492	0.309	-157.091	166.711
48267_8268	48267	8268	-0.237	14.244	-10.492	-0.309	68.981	-216.641
48268_8268	48268	8268	0.015	21.291	1.233	0.071	-68.981	216.69
48268_8269	48268	8269	-0.015	4.235	-1.233	-0.071	53.299	-108.264
48269_8269	48269	8269	0.026	-4.235	1.233	0.961	-53.299	108.259
48269_8270	48269	8270	-0.026	25.204	-1.233	-0.961	40.418	-261.992
48270_8270	48270	8270	0.032	34.87	1.702	0.638	-40.418	261.902
48270_8271	48270	8271	-0.032	-11.392	-1.702	-0.638	20.521	8.588
48271_8271	48271	8271	0.033	11.392	1.702	0.635	-20.521	-8.588
48271_8272	48271	8272	-0.033	12.823	-1.702	-0.635	0	-0.04
48372_8372	48372	8372	32.487	10.498	-0.2	-0.018	0.14	-43.386
48372_8373	48372	8373	-32.487	8.025	0.2	0.018	2.337	58.717
48373_8373	48373	8373	60.552	-8.025	-0.202	0.015	-2.055	-95.979
48373_8374	48373	8374	-60.552	25.053	0.202	-0.015	4.359	-92.5
48374_8374	48374	8374	72.639	15.403	0.103	0.001	-3.887	76.49
48374_8375	48374	8375	-72.639	0.286	-0.103	-0.001	2.805	2.877
48375_8375	48375	8375	69.944	-0.286	0.089	0.002	-2.108	0.873
48375_8376	48375	8376	-69.944	14.635	-0.089	-0.002	1.25	-72.523
48376_8376	48376	8376	68.652	18.275	0.168	0.213	-0.851	74.807
48376_8377	48376	8377	-68.652	-1.018	-0.168	-0.213	-1.085	36.606
48377_8377	48377	8377	68.663	1.018	0.115	-0.216	1.452	-36.647
48377_8378	48377	8378	-68.663	17.215	-0.115	0.216	-2.86	-62.178
48378_8378	48378	8378	68.467	16.629	-0.193	0.004	3.351	62.434
48378_8379	48378	8379	-68.467	1.886	0.193	-0.004	-0.964	28.91
48379_8379	48379	8379	68.221	-1.886	-0.196	0.011	1.264	-28.373
48379_8380	48379	8380	-68.221	18.628	0.196	-0.011	0.932	-86.558
48380_8380	48380	8380	66.812	17.672	0.003	0.042	-0.702	87.663
48380_8381	48380	8381	-66.812	-2.134	-0.003	-0.042	0.672	15.319

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48381_8381	48381	8381	64.338	2.134	-0.032	-0.014	-0.348	-12.142
48381_8382	48381	8382	-64.338	12.614	0.032	0.014	0.668	-39.576
48382_8382	48382	8382	61.557	16.952	-0.025	0.041	-0.349	43.308
48382_8383	48382	8383	-61.557	-0.279	0.025	-0.041	0.633	52.833
48383_8383	48383	8383	58.429	0.277	-0.028	0.003	-0.472	-48.729
48383_8384	48383	8384	-58.429	16.936	0.028	-0.003	0.789	-47.227
48384_8384	48384	8384	67.912	17.323	-0.049	-0.001	0.115	30.034
48384_8385	48384	8385	-67.912	-0.799	0.049	0.001	0.436	71.007
48385_8385	48385	8385	57.535	0.799	-0.045	0.06	0.214	-56.461
48385_8386	48385	8386	-57.535	15.736	0.045	-0.06	0.287	-26.884
48386_8386	48386	8386	53.053	17.802	-0.016	0.256	0.145	32.816
48386_8387	48386	8387	-53.053	-1.385	0.016	-0.256	0.03	73.479
48387_8387	48387	8387	54.571	1.385	-0.028	-0.169	0.298	-75.743
48387_8388	48387	8388	-54.571	17.393	0.028	0.169	0.051	-25.692
48388_8388	48388	8388	56.021	17.628	-0.043	0.005	0.427	24.132
48388_8389	48388	8389	-56.021	0.266	0.043	-0.005	0.098	80.695
48389_8389	48389	8389	57.28	-0.266	-0.044	0.047	0.436	-82.543
48389_8390	48389	8390	-57.28	17.578	0.044	-0.047	0.082	-21.695
48390_8390	48390	8390	58.709	17.321	-0.042	0.24	0.466	19.79
48390_8391	48390	8391	-58.709	1.521	0.042	-0.24	0.065	80.668
48391_8391	48391	8391	60.225	-1.521	-0.081	-0.238	0.675	-82.81
48391_8392	48391	8392	-60.225	17.884	0.081	0.238	0.216	-24.339
48392_8392	48392	8392	61.8	17.154	-0.07	-0.012	0.7	21.842
48392_8393	48392	8393	-61.8	-0.284	0.07	0.012	0.101	77.423
48393_8393	48393	8393	63.617	0.284	-0.057	0.026	0.771	-79.899
48393_8394	48393	8394	-63.617	18.038	0.057	-0.026	-0.066	-29.866
48394_8394	48394	8394	65.768	16.541	-0.087	0.239	0.834	26.603
48394_8395	48394	8395	-65.768	1.074	0.087	-0.239	0.206	65.329
48395_8395	48395	8395	68.175	-1.074	-0.121	-0.249	0.697	-68.522
48395_8396	48395	8396	-68.175	18.635	0.121	0.249	0.739	-48.261
48396_8396	48396	8396	67.557	18.687	0.037	-0.039	0.234	49.55
48396_8397	48396	8397	-67.557	-0.925	-0.037	0.039	-0.678	67.99
48397_8397	48397	8397	63.851	0.925	0.038	0.009	1.514	-63.111
48397_8398	48397	8398	-63.851	16.495	-0.038	-0.009	-1.959	-28.41
48398_8398	48398	8398	40.618	18.591	-0.533	0.002	3.857	59.208
48398_8399	48398	8399	-40.618	-3.733	0.533	-0.002	1.486	52.718
48572_8572	48572	8572	-0.008	9.127	-0.256	0.593	0	0.001
48572_8573	48572	8573	0.008	9.401	0.256	-0.593	3.172	-1.7
48573_8573	48573	8573	-0.008	-9.401	-0.256	0.593	-3.172	1.7
48573_8574	48573	8574	0.008	26.315	0.256	-0.593	6.067	-203.85
48574_8574	48574	8574	0.023	16.189	0.573	0.343	-6.067	203.813
48574_8575	48574	8575	-0.023	-0.785	-0.573	-0.343	0.158	-116.312
48575_8575	48575	8575	0.024	0.785	0.573	0.461	-0.158	116.311
48575_8576	48575	8576	-0.024	13.404	-0.573	-0.461	-5.284	-176.225
48576_8576	48576	8576	-0.036	17.672	1.186	-0.246	5.284	175.862
48576_8577	48576	8577	0.036	-0.348	-1.186	0.246	-19.039	-71.398
48577_8577	48577	8577	-0.021	0.348	1.187	0.622	19.039	71.395
48577_8578	48577	8578	0.021	18.135	-1.187	-0.622	-33.718	-181.407
48578_8578	48578	8578	-0.104	17.555	-1.41	-0.609	33.718	181.514
48578_8579	48578	8579	0.104	0.556	1.41	0.609	-16.631	-78.49
48579_8579	48579	8579	-0.104	-0.556	-1.41	-0.658	16.631	78.49
48579_8580	48579	8580	0.104	17.58	1.41	0.658	-0.57	-181.808
48580_8580	48580	8580	-0.006	17.293	0.428	-1.022	0.57	182.664

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48580_8581	48580	8581	0.006	-2.056	-0.428	1.022	-4.93	-84.012
48581_8581	48581	8581	-0.003	2.056	0.428	-0.442	4.93	84.017
48581_8582	48581	8582	0.003	12.912	-0.428	0.442	-9.214	-138.392
48582_8582	48582	8582	-0.028	16.952	-0.606	-0.82	9.214	138.298
48582_8583	48582	8583	0.028	-0.743	0.606	0.82	-2.638	-42.322
48583_8583	48583	8583	-0.028	0.743	-0.606	-0.84	2.638	42.322
48583_8584	48583	8584	0.028	16.767	0.606	0.84	4.467	-136.215
48584_8584	48584	8584	-0.037	17.72	-1.085	-0.65	-4.467	136.177
48584_8585	48584	8585	0.037	-0.949	1.085	0.65	16.742	-30.523
48585_8585	48585	8585	-0.038	0.949	-1.084	-0.624	-16.742	30.524
48585_8586	48585	8586	0.038	15.233	1.084	0.624	28.585	-108.523
48586_8586	48586	8586	-0.008	17.471	0.658	0.031	-28.585	108.593
48586_8587	48586	8587	0.008	-1.262	-0.658	-0.031	21.391	-6.132
48587_8587	48587	8587	-0.004	1.262	0.658	0.075	-21.391	6.131
48587_8588	48587	8588	0.004	17.631	-0.658	-0.075	13.004	-110.483
48588_8588	48588	8588	-0.018	17.522	0.098	0.748	-13.004	109.541
48588_8589	48588	8589	0.018	0.196	-0.098	-0.748	11.838	-5.957
48589_8589	48589	8589	-0.018	-0.196	0.097	0.746	-11.838	5.957
48589_8590	48589	8590	0.018	17.561	-0.097	-0.746	10.696	-110.007
48590_8590	48590	8590	-0.011	17.164	0.43	1.433	-10.696	110.039
48590_8591	48590	8591	0.011	1.563	-0.43	-1.433	5.265	-11.454
48591_8591	48591	8591	-0.008	-1.563	0.43	1.512	-5.265	11.443
48591_8592	48591	8592	0.008	17.92	-0.43	-1.512	0.522	-118.975
48592_8592	48592	8592	-0.006	17.152	0.517	2.202	-0.522	119.489
48592_8593	48592	8593	0.006	-0.523	-0.517	-2.202	-5.282	-20.31
48593_8593	48593	8593	-0.006	0.523	0.517	2.202	5.282	20.31
48593_8594	48593	8594	0.006	17.929	-0.517	-2.202	-11.721	-128.684
48594_8594	48594	8594	-0.013	16.047	-0.122	2.699	11.721	129.218
48594_8595	48594	8595	0.013	1.576	0.122	-2.699	-10.269	-43.167
48595_8595	48595	8595	-0.014	-1.576	-0.122	3.035	10.269	43.144
48595_8596	48595	8596	0.014	19.036	0.122	-3.035	-8.831	-164.584
48596_8596	48596	8596	-0.027	19.436	-0.308	3.263	8.831	164.245
48596_8597	48596	8597	0.027	-1.714	0.308	-3.263	-5.147	-37.765
48597_8597	48597	8597	-0.027	1.714	-0.308	3.251	5.147	37.766
48597_8598	48597	8598	0.027	15.639	0.308	-3.251	-1.54	-119.302
48598_8598	48598	8598	0.041	22.674	-0.231	3.758	1.54	119.288
48598_8599	48598	8599	-0.041	-12.791	0.231	-3.758	0	-1.027
49000_9000	49000	9000	-5.798	394.255	9.114	3.745	0	-36.374
49000_9001	49000	9001	5.798	-366.276	-9.114	-3.745	-75.646	3192.596
49001_9001	49001	9001	-5.786	366.276	9.122	-0.714	75.646	-3192.6
49001_9002	49001	9002	5.786	-336.294	-9.122	0.714	-156.777	6316.952
49002_9002	49002	9002	-5.778	322.657	-7.676	8.43	156.777	-6316.95
49002_9003	49002	9003	5.778	-281.925	7.676	-8.43	-64.021	9969.586
49003_9003	49003	9003	-5.791	281.925	-7.666	-9.033	64.021	-9969.59
49003_9004	49003	9004	5.791	-241.169	7.666	9.033	28.668	13131.79
49004_9004	49004	9004	-5.791	219.679	1.273	13.137	-28.668	-13131.8
49004_9005	49004	9005	5.791	-178.961	-1.273	-13.137	13.296	15539.41
49005_9005	49005	9005	-5.788	178.961	1.283	-14.069	-13.296	-15539.4
49005_9006	49005	9006	5.788	-138.218	-1.283	14.069	-2.207	17456.18
49006_9006	49006	9006	-5.788	116.66	0.325	7.488	2.207	-17456.2
49006_9007	49006	9007	5.788	-75.922	-0.325	-7.488	-6.13	18619.86
49007_9007	49007	9007	-5.787	75.922	0.329	-7.788	6.13	-18619.9
49007_9008	49007	9008	5.787	-35.188	-0.329	7.788	-10.111	19291.17

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49008_9008	49008	9008	-5.787	13.368	-0.232	-1.255	10.111	-19291.2
49008_9009	49008	9009	5.787	27.387	0.232	1.255	-7.311	19206.41
49009_9009	49009	9009	-5.787	-27.387	-0.232	0.783	7.311	-19206.4
49009_9010	49009	9010	5.787	68.107	0.232	-0.783	-4.506	18629.64
49010_9010	49010	9010	-5.787	-91.023	0.972	14.287	4.506	-18629.7
49010_9011	49010	9011	5.787	131.769	-0.972	-14.287	-16.249	17283.18
49011_9011	49011	9011	-5.785	-131.769	0.981	-14.087	16.249	-17283.2
49011_9012	49011	9012	5.785	172.506	-0.981	14.087	-28.104	15444.64
49012_9012	49012	9012	-5.785	-194.614	0.378	10.831	28.104	-15444.7
49012_9013	49012	9013	5.785	235.347	-0.378	-10.831	-32.674	12846.95
49013_9013	49013	9013	-5.784	-235.347	0.388	-10.272	32.674	-12846.9
49013_9014	49013	9014	5.784	276.071	-0.388	10.272	-37.357	9757.729
49014_9014	49014	9014	-5.783	-297.402	2.102	7.521	37.357	-9757.72
49014_9015	49014	9015	5.783	349.804	-2.102	-7.521	-70.04	4727.213
49015_9015	49015	9015	-1.87	-349.852	2.112	-1.901	70.012	-4730.86
49015_9016	49015	9016	1.572	376.08	-2.112	1.901	-87.433	1736.413
49016_9016	49016	9016	7.073	-396.871	-2.18	-1.46	87.435	-1736.1
49016_9017	49016	9017	-8.306	434.456	2.18	1.46	-61.791	-3151.95
49017_9017	49017	9017	20.369	-434.065	-2.167	4.163	62.143	3151.768
49017_9018	49017	9018	-23.112	479.095	2.167	-4.163	-33.358	-9211.54
49018_9018	49018	9018	38.403	-500.426	1.506	-11.57	32.124	9211.35
49018_9019	49018	9019	-42.353	544.72	-1.506	11.57	-51.056	-15764.3
49019_9019	49019	9019	57.288	-543.354	1.515	13.397	53.758	15764.29
49019_9020	49019	9020	-62.764	590.139	-1.515	-13.397	-72.894	-22894.9
49020_9020	49020	9020	-2259.74	183.227	-21.344	-4.077	458.222	4483.068
49020_9021	49020	9021	2259.738	-152.221	21.344	4.077	-255.398	-2889.24
49021_9021	49021	9021	-2259.78	152.221	-16.142	1.413	255.398	2851.462
49021_9022	49021	9022	2259.781	-129.073	16.142	-1.413	-130.478	-1762.99
49022_9022	49022	9022	-2259.76	129.073	-18.38	-0.334	130.478	1762.989
49022_9023	49022	9023	2259.764	-105.863	18.38	0.334	12.156	-851.432
49023_9023	49023	9023	-2259.82	86.848	-4.917	-0.483	-12.156	851.426
49023_9024	49023	9024	2259.82	-62.921	4.917	0.483	51.491	-252.376
49024_9024	49024	9024	-2259.82	62.921	-4.917	-0.483	-51.491	252.376
49024_9025	49024	9025	2259.82	-38.994	4.917	0.483	90.827	155.266
49025_9025	49025	9025	-2259.82	35.354	-2.109	-0.676	-90.827	-155.266
49025_9026	49025	9026	2259.824	-11.43	2.109	0.676	107.699	342.368
49026_9026	49026	9026	-2259.82	-5.099	-5.385	0.044	-107.699	-342.367
49026_9027	49026	9027	2259.82	23.035	5.385	-0.044	139.987	258.015
49027_9027	49027	9027	-2259.83	-23.035	-1.23	-0.43	-139.987	-258.015
49027_9028	49027	9028	2259.826	40.996	1.23	0.43	147.375	65.753
49028_9028	49028	9028	-2259.83	-40.996	-1.638	-0.418	-147.375	-65.753
49028_9029	49028	9029	2259.826	58.929	1.638	0.418	157.196	-233.79
49029_9029	49029	9029	-2259.83	-58.929	-1.23	-0.376	-157.196	233.79
49029_9030	49029	9030	2259.826	76.89	1.23	0.376	164.583	-641.605
49030_9030	49030	9030	-2259.83	-93.669	1.412	-1.218	-164.583	641.61
49030_9031	49030	9031	2259.828	117.583	-1.412	1.218	153.293	-1486.12
49031_9031	49031	9031	-2259.83	-117.583	1.412	-1.218	-153.293	1486.124
49031_9032	49031	9032	2259.828	141.497	-1.412	1.218	142.003	-2521.84
49032_9032	49032	9032	-2259.82	-141.497	4.52	2.25	-142.003	2521.838
49032_9033	49032	9033	2259.824	165.438	-4.52	-2.25	105.828	-3750.22
49033_9033	49033	9033	-2259.79	-184.11	13.158	-4.881	-105.828	3750.258
49033_9034	49033	9034	2259.79	207.297	-13.158	4.881	3.822	-5267.44
49034_9034	49034	9034	-2259.79	-207.297	13.158	-4.881	-3.822	5267.436

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49034_9035	49034	9035	2259.79	230.485	-13.158	4.881	-98.185	-6964.37
49035_9035	49035	9035	-2259.75	-230.485	18.552	11.127	98.185	7003.19
49035_9036	49035	9036	2259.752	261.481	-18.552	-11.127	-274.425	-9339.94
49036_9036	49036	9036	39.773	505.324	-1.221	-30.424	31.954	28988.68
49036_9037	49036	9037	-34.297	-458.567	1.221	30.424	-16.542	-22929.1
49037_9037	49037	9037	21.648	459.312	-1.175	25.533	10.736	22929.11
49037_9038	49037	9038	-17.697	-414.994	1.175	-25.533	4.048	-17444.6
49038_9038	49038	9038	4.994	395.648	1.291	-7.457	-1.337	17445.02
49038_9039	49038	9039	-2.251	-350.639	-1.291	7.457	-15.809	-12495.3
49039_9039	49039	9039	-7.936	350.671	1.326	12.667	15.032	12536.92
49039_9040	49039	9040	9.17	-313.026	-1.326	-12.667	-30.628	-8634.28
49040_9040	49040	9040	-15.729	289.539	-0.637	-3.146	30.994	8634.681
49040_9041	49040	9041	16.027	-263.38	0.637	3.146	-25.743	-6354.41
49041_9041	49041	9041	-18.803	263.079	-0.639	-3.849	25.715	6366.215
49041_9042	49041	9042	18.803	-219.326	0.639	3.849	-16.054	-2719.31
49042_9042	49042	9042	-18.804	198.753	-0.658	-2.395	16.054	2719.315
49042_9043	49042	9043	18.804	-164.366	0.658	2.395	-8.236	-561.862
49043_9043	49043	9043	-18.805	164.366	-0.644	-1.968	8.236	561.863
49043_9044	49043	9044	18.805	-130.012	0.644	1.968	-0.595	1185.567
49044_9044	49044	9044	-18.806	105.36	-0.111	0.48	0.595	-1185.56
49044_9045	49044	9045	18.806	-70.982	0.111	-0.48	0.727	2233.042
49045_9045	49045	9045	-18.806	70.982	-0.096	-1.392	-0.727	-2233.04
49045_9046	49045	9046	18.806	-36.606	0.096	1.392	1.862	2872.074
49046_9046	49046	9046	-18.806	15.427	0.043	2.372	-1.862	-2872.07
49046_9047	49046	9047	18.806	18.943	-0.043	-2.372	1.354	2851.193
49047_9047	49047	9047	-18.806	-18.943	0.059	-0.019	-1.354	-2851.19
49047_9048	49047	9048	18.806	53.311	-0.059	0.019	0.659	2422.132
49048_9048	49048	9048	-18.806	-74.305	0.113	3.11	-0.659	-2422.14
49048_9049	49048	9049	18.806	108.667	-0.113	-3.11	-0.682	1335.763
49049_9049	49049	9049	-18.806	-108.667	0.129	1.989	0.682	-1335.77
49049_9050	49049	9050	18.806	143.027	-0.129	-1.989	-2.211	-158.532
49050_9050	49050	9050	-18.805	-163.079	1.535	2.749	2.211	158.529
49050_9051	49050	9051	18.805	206.874	-1.535	-2.749	-25.449	-2958.01
49051_9051	49051	9051	-16.343	-207.192	1.553	5.443	25.498	2954.269
49051_9052	49051	9052	16.065	231.663	-1.553	-5.443	-38.309	-4764.38
49052_9052	49052	9052	-10.216	-252.636	-1.179	4.4	38.365	4764.263
49052_9053	49052	9053	9.063	287.779	1.179	-4.4	-24.507	-7940.35
49053_9053	49053	9053	-0.842	-288.052	-1.175	2.835	24.585	7932.39
49053_9054	49053	9054	-1.871	332.473	1.175	-2.835	-8.976	-12050.9
49054_9054	49054	9054	13.139	-352.898	0.014	-4.584	8.371	12050.58
49054_9055	49054	9055	-17.034	396.473	-0.014	4.584	-8.582	-16750.9
49055_9055	49055	9055	28.017	-395.915	0.029	8.462	10.009	16750.87
49055_9056	49055	9056	-33.394	441.743	-0.029	-8.462	-10.424	-22019.2
49056_9056	49056	9056	-1943.6	245.245	-14.438	-6.006	218.144	7049.063
49056_9057	49056	9057	1943.597	-214.586	14.438	6.006	-81.001	-4865.13
49057_9057	49057	9057	-1943.62	214.586	-10.93	2.788	81.001	4831.524
49057_9058	49057	9058	1943.619	-190.025	10.93	-2.788	3.736	-3263.16
49058_9058	49058	9058	-1943.63	190.025	-8.43	6.985	-3.736	3263.15
49058_9059	49058	9059	1943.632	-165.465	8.43	-6.985	69.084	-1885.32
49059_9059	49059	9059	-1943.65	147.657	-4.14	0.075	-69.084	1885.297
49059_9060	49059	9060	1943.647	-122.335	4.14	-0.075	102.174	-806.333
49060_9060	49060	9060	-1943.65	118.695	-1.536	1.156	-102.174	806.333
49060_9061	49060	9061	1943.651	-93.344	1.536	-1.156	114.462	42.012

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49061_9061	49061	9061	-1943.65	93.344	-1.536	1.156	-114.462	-42.012
49061_9062	49061	9062	1943.651	-67.992	1.536	-1.156	126.75	687.501
49062_9062	49062	9062	-1943.65	52.015	0.887	1.045	-126.75	-687.501
49062_9063	49062	9063	1943.649	-32.989	-0.887	-1.045	121.425	942.744
49063_9063	49063	9063	-1943.65	32.989	-2.579	2.726	-121.425	-942.74
49063_9064	49063	9064	1943.647	-13.992	2.579	-2.726	136.887	1083.592
49064_9064	49064	9064	-1943.65	13.992	3.888	-0.88	-136.887	-1083.6
49064_9065	49064	9065	1943.645	5.001	-3.888	0.88	113.577	1110.545
49065_9065	49065	9065	-1943.65	-5.001	0.887	0.836	-113.577	-1110.55
49065_9066	49065	9066	1943.649	24.027	-0.887	-0.836	108.252	1023.383
49066_9066	49066	9066	-1943.65	-39.936	2.529	1.482	-108.252	-1023.39
49066_9067	49066	9067	1943.648	65.28	-2.529	-1.482	88.024	602.544
49067_9067	49067	9067	-1943.64	-65.28	4.952	0.73	-88.024	-602.546
49067_9068	49067	9068	1943.643	90.622	-4.952	-0.73	48.41	-20.981
49068_9068	49068	9068	-1943.64	-90.622	4.952	0.73	-48.41	20.981
49068_9069	49068	9069	1943.643	115.965	-4.952	-0.73	8.795	-847.218
49069_9069	49069	9069	-1943.61	-133.409	12.43	-1.592	-8.795	847.232
49069_9070	49069	9070	1943.614	157.955	-12.43	1.592	-87.504	-1975.9
49070_9070	49070	9070	-1943.61	-157.955	12.598	-1.421	87.504	1975.901
49070_9071	49070	9071	1943.612	182.532	-12.598	1.421	-185.231	-3296.56
49071_9071	49071	9071	-1943.59	-182.532	16.047	4.579	185.231	3329.125
49071_9072	49071	9072	1943.587	213.196	-16.047	-4.579	-337.685	-5208.88
49072_9072	49072	9072	27.756	476.249	0.214	-11.437	35.713	19823.55
49072_9073	49072	9073	-22.379	-430.428	-0.214	11.437	-38.356	-14122.7
49073_9073	49073	9073	10.473	430.835	0.26	10.725	35.876	14122.66
49073_9074	49073	9074	-6.578	-387.241	-0.26	-10.725	-39.104	-8989.46
49074_9074	49074	9074	-5.322	369.918	0.878	1.111	40.013	8989.58
49074_9075	49074	9075	8.035	-325.523	-0.878	-1.111	-51.675	-4376.78
49075_9075	49075	9075	-17.795	325.09	0.94	6.904	51.521	4382.158
49075_9076	49075	9076	18.929	-290.502	-0.94	-6.904	-62.576	-763.809
49076_9076	49076	9076	-25.021	269.716	-1.346	-2.044	62.728	763.912
49076_9077	49076	9077	25.295	-245.651	1.346	2.044	-51.629	1360.646
49077_9077	49077	9077	-27.902	241.626	-1.336	-3.47	51.617	-1354.32
49077_9078	49077	9078	27.902	-199.625	1.336	3.47	-33.298	4379.965
49078_9078	49078	9078	-27.904	182.147	-0.686	1.502	33.298	-4379.97
49078_9079	49078	9079	27.904	-147.972	0.686	-1.502	-25.643	6221.761
49079_9079	49079	9079	-27.905	147.972	-0.66	-4.38	25.643	-6221.76
49079_9080	49079	9080	27.905	-113.768	0.66	4.38	-18.277	7683.289
49080_9080	49080	9080	-27.905	95.566	-0.098	-0.718	18.277	-7683.29
49080_9081	49080	9081	27.905	-61.366	0.098	0.718	-17.179	8559.489
49081_9081	49081	9081	-27.905	61.366	-0.098	-0.718	17.179	-8559.49
49081_9082	49081	9082	27.905	-27.166	0.098	0.718	-16.082	9053.789
49082_9082	49082	9082	-27.906	7.856	-0.284	3.576	16.082	-9053.78
49082_9083	49082	9083	27.906	28.917	0.284	-3.576	-12.674	8927.34
49083_9083	49083	9083	-27.906	-28.917	-0.262	-3.466	12.674	-8927.34
49083_9084	49083	9084	27.906	65.657	0.262	3.466	-9.533	8360.083
49084_9084	49084	9084	-27.906	-85.039	0.007	4.125	9.533	-8360.09
49084_9085	49084	9085	27.906	119.231	-0.007	-4.125	-9.615	7219.848
49085_9085	49085	9085	-27.906	-119.231	0.032	-2.334	9.615	-7219.85
49085_9086	49085	9086	27.906	153.421	-0.032	2.334	-9.977	5697.964
49086_9086	49086	9086	-27.906	-172.087	-0.335	3.149	9.977	-5697.96
49086_9087	49086	9087	27.906	206.307	0.335	-3.149	-6.231	3584.047
49087_9087	49087	9087	-27.906	-206.307	-0.312	0.098	6.231	-3584.05

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49087_9088	49087	9088	27.906	240.495	0.312	-0.098	-2.753	1090.316
49088_9088	49088	9088	-27.906	-258.046	1.013	1.463	2.753	-1090.32
49088_9089	49088	9089	27.906	298.424	-1.013	-1.463	-16.104	-2577.84
49089_9089	49089	9089	-24.479	-298.798	1.032	2.987	16.128	2567.059
49089_9090	49089	9090	24.192	324.025	-1.032	-2.987	-24.655	-5138.9
49090_9090	49090	9090	-16.435	-347.742	-0.288	-2.23	24.526	5138.77
49090_9091	49090	9091	15.248	383.896	0.288	2.23	-21.145	-9435.76
49091_9091	49091	9091	-4.459	-384.283	-0.255	5.978	21.615	9435.328
49091_9092	49091	9092	1.772	428.381	0.255	-5.978	-18.22	-14828.3
49092_9092	49092	9092	12.092	-448.84	-1.274	-22.956	15.828	14827.94
49092_9093	49092	9093	-15.951	492.122	1.274	22.956	0.127	-20730.6
49093_9093	49093	9093	29.529	-491.542	-1.208	26.438	4.994	20730.58
49093_9094	49093	9094	-34.86	537.077	1.208	-26.438	10.149	-27200.3
49094_9094	49094	9094	-2255.98	219.019	-10.425	-5.365	121.36	7764.212
49094_9095	49094	9095	2255.983	-188.591	10.425	5.365	-22.349	-5828.63
49095_9095	49095	9095	-2256	188.591	-6.891	3.567	22.349	5828.224
49095_9096	49095	9096	2255.997	-164.337	6.891	-3.567	31.091	-4459.67
49096_9096	49096	9096	-2256	164.337	-7	3.352	-31.091	4459.67
49096_9097	49096	9097	2255.996	-140.114	7	-3.352	85.306	-3280.62
49097_9097	49097	9097	-2256.03	122.197	1.957	-1.986	-85.306	3280.578
49097_9098	49097	9098	2256.025	-97.161	-1.957	1.986	69.637	-2402.57
49098_9098	49098	9098	-2256.02	97.161	4.675	0.908	-69.637	2402.572
49098_9099	49098	9099	2256.021	-72.157	-4.675	-0.908	32.259	-1725.73
49099_9099	49099	9099	-2256.02	72.157	4.774	0.983	-32.259	1725.73
49099_9100	49099	9100	2256.021	-47.123	-4.774	-0.983	-5.955	-1248.32
49100_9100	49100	9100	-2256.01	32.143	-0.637	-0.513	5.955	1248.312
49100_9101	49100	9101	2256.006	-13.368	0.637	0.513	-2.13	-1111.7
49101_9101	49101	9101	-2256.01	13.368	-0.763	-0.574	2.13	1111.7
49101_9102	49101	9102	2256.006	5.375	0.763	0.574	2.441	-1087.75
49102_9102	49102	9102	-2256.01	-5.375	-0.637	-0.514	-2.441	1087.747
49102_9103	49102	9103	2256.006	24.15	0.637	0.514	6.266	-1176.37
49103_9103	49103	9103	-2256	-24.15	3.119	1.445	-6.266	1176.371
49103_9104	49103	9104	2256.004	42.924	-3.119	-1.445	-12.457	-1377.69
49104_9104	49104	9104	-2256.02	-57.828	-5.589	-1.697	12.457	1377.699
49104_9105	49104	9105	2256.017	82.828	5.589	1.697	32.223	-1939.89
49105_9105	49105	9105	-2256.02	-82.828	-2.684	0.802	-32.223	1939.894
49105_9106	49105	9106	2256.023	107.858	2.684	-0.802	53.703	-2702.98
49106_9106	49106	9106	-2256.02	-107.858	-2.768	0.7	-53.703	2702.983
49106_9107	49106	9107	2256.022	132.858	2.768	-0.7	75.832	-3665.08
49107_9107	49107	9107	-2256	-150.462	6.288	-2.552	-75.832	3665.114
49107_9108	49107	9108	2256	174.709	-6.288	2.552	27.081	-4925.66
49108_9108	49108	9108	-2256	-174.709	6.288	-2.552	-27.081	4925.659
49108_9109	49108	9109	2256	198.956	-6.288	2.552	-21.67	-6374.2
49109_9109	49109	9109	-2255.99	-198.956	8.584	3.748	21.67	6374.657
49109_9110	49109	9110	2255.992	229.404	-8.584	-3.748	-103.251	-8410.13
49110_9110	49110	9110	18.761	526.281	0.916	-18.941	-0.937	27927.04
49110_9111	49110	9111	-13.429	-480.765	-0.916	18.941	-10.527	-21596.1
49111_9111	49111	9111	-0.122	477.278	0.984	15.646	6.87	21596.15
49111_9112	49111	9112	3.981	-433.985	-0.984	-15.646	-19.186	-15878.8
49112_9112	49112	9112	-17.23	414.812	0.459	-4.304	20.844	15879.12
49112_9113	49112	9113	19.917	-370.741	-0.459	4.304	-26.942	-10669.5
49113_9113	49113	9113	-30.836	369.947	0.513	7.134	26.483	10669.01
49113_9114	49113	9114	32.02	-333.849	-0.513	-7.134	-32.517	-6531.65

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49114_9114	49114	9114	-38.992	312.576	-0.748	-3.02	32.726	6531.867
49114_9115	49114	9115	39.278	-287.433	0.748	3.02	-26.551	-4056.22
49115_9115	49115	9115	-42.334	286.901	-0.741	-2.598	26.528	4074.547
49115_9116	49115	9116	42.334	-247.05	0.741	2.598	-16.372	-413.546
49116_9116	49116	9116	-42.335	228.876	-0.501	-0.354	16.372	413.549
49116_9117	49116	9117	42.335	-196.438	0.501	0.354	-10.776	1960.124
49117_9117	49117	9117	-42.335	196.438	-0.425	-3.895	10.776	-1960.12
49117_9118	49117	9118	42.335	-163.972	0.425	3.895	-6.03	3973.3
49118_9118	49118	9118	-42.335	145.476	-0.418	3.71	6.03	-3973.3
49118_9119	49118	9119	42.335	-113.039	0.418	-3.71	-1.36	5416.021
49119_9119	49119	9119	-42.336	113.039	-0.342	-6.068	1.36	-5416.02
49119_9120	49119	9120	42.336	-80.573	0.342	6.068	2.46	6497.466
49120_9120	49120	9120	-42.336	61.656	0.058	5.895	-2.46	-6497.48
49120_9121	49120	9121	42.336	-26.809	-0.058	-5.895	1.76	7027.88
49121_9121	49121	9121	-42.336	26.809	0.129	-5.899	-1.76	-7027.88
49121_9122	49121	9122	42.336	8.068	-0.129	5.899	0.207	7140.334
49122_9122	49122	9122	-42.336	-27.086	-0.237	10.153	-0.207	-7140.33
49122_9123	49122	9123	42.336	59.55	0.237	-10.153	2.855	6656.433
49123_9123	49123	9123	-42.336	-59.55	-0.123	-7.722	-2.855	-6656.44
49123_9124	49123	9124	42.336	92.013	0.123	7.722	4.233	5809.918
49124_9124	49124	9124	-42.336	-113.353	-0.372	6.187	-4.233	-5809.92
49124_9125	49124	9125	42.336	145.787	0.372	-6.187	8.388	4363.85
49125_9125	49125	9125	-42.337	-145.787	-0.296	-1.665	-8.388	-4363.85
49125_9126	49125	9126	42.337	178.25	0.296	1.665	11.695	2554.05
49126_9126	49126	9126	-42.335	-194.621	2.356	3.465	-11.695	-2554.05
49126_9127	49126	9127	42.335	233.535	-2.356	-3.465	-19.854	-312.533
49127_9127	49127	9127	-39.593	-234.073	2.415	3.103	19.878	299.723
49127_9128	49127	9128	39.327	257.5	-2.415	-3.103	-39.782	-2325.12
49128_9128	49128	9128	-33.082	-275.535	-2.96	1.535	39.765	2325.101
49128_9129	49128	9129	31.977	309.228	2.96	-1.535	-4.963	-5762.09
49129_9129	49129	9129	-23.218	-310.138	-2.872	9.447	5.509	5765.656
49129_9130	49129	9130	20.595	353.184	2.872	-9.447	32.635	-10166.8
49130_9130	49130	9130	-7.474	-391.61	4.164	-2.741	-33.592	10166.77
49130_9131	49130	9131	3.703	433.902	-4.164	2.741	-18.742	-15344.7
49131_9131	49131	9131	8.24	-433.885	4.198	8.968	20.088	15344.65
49131_9132	49131	9132	-13.455	478.47	-4.198	-8.968	-73.074	-21087.5
49132_9132	49132	9132	-1852.88	211.549	9.86	2.988	-161.185	6211.4
49132_9133	49132	9133	1852.876	-181.862	-9.86	-2.988	67.519	-4342.7
49133_9133	49133	9133	-1852.89	181.862	7.469	-4.109	-67.519	4352.067
49133_9134	49133	9134	1852.887	-159.356	-7.469	4.109	9.635	-3029.84
49134_9134	49134	9134	-1852.88	159.356	9.86	-0.2	-9.635	3029.846
49134_9135	49134	9135	1852.876	-136.85	-9.86	0.2	-66.777	-1882.05
49135_9135	49135	9135	-1852.89	117.789	0.012	-1.144	66.777	1882.044
49135_9136	49135	9136	1852.885	-94.557	-0.012	1.144	-66.872	-1032.66
49136_9136	49136	9136	-1852.88	94.557	2.328	0.146	66.872	1032.66
49136_9137	49136	9137	1852.884	-71.325	-2.328	-0.146	-85.495	-369.134
49137_9137	49137	9137	-1852.88	71.325	2.328	0.146	85.495	369.134
49137_9138	49137	9138	1852.884	-48.093	-2.328	-0.146	-104.119	108.536
49138_9138	49138	9138	-1852.88	31.466	-4.836	0.258	104.119	-108.535
49138_9139	49138	9139	1852.882	-14.042	4.836	-0.258	-75.1	245.058
49139_9139	49139	9139	-1852.89	14.042	-1.748	-0.151	75.1	-245.059
49139_9140	49139	9140	1852.888	3.382	1.748	0.151	-64.611	277.036
49140_9140	49140	9140	-1852.89	-3.382	-1.748	-0.151	64.611	-277.036

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49140_9141	49140	9141	1852.888	20.807	1.748	0.151	-54.121	204.47
49141_9141	49141	9141	-1852.88	-20.807	-4.836	0.19	54.121	-204.47
49141_9142	49141	9142	1852.882	38.231	4.836	-0.19	-25.103	27.358
49142_9142	49142	9142	-1852.89	-58.226	-1.438	0.351	25.103	-27.358
49142_9143	49142	9143	1852.888	81.458	1.438	-0.351	-13.601	-531.375
49143_9143	49143	9143	-1852.88	-81.458	-3.754	-0.313	13.601	531.375
49143_9144	49143	9144	1852.884	104.69	3.754	0.313	16.43	-1275.97
49144_9144	49144	9144	-1852.89	-104.69	-1.438	1.282	-16.43	1275.966
49144_9145	49144	9145	1852.888	127.922	1.438	-1.282	27.932	-2206.41
49145_9145	49145	9145	-1852.89	-144.285	-0.819	1.984	-27.932	2206.413
49145_9146	49145	9146	1852.887	166.791	0.819	-1.984	34.277	-3411.84
49146_9146	49146	9146	-1852.88	-166.791	-3.21	-2.419	-34.277	3411.834
49146_9147	49146	9147	1852.884	189.298	3.21	2.419	59.151	-4791.68
49147_9147	49147	9147	-1852.89	-189.298	-0.819	3.131	-59.151	4782.921
49147_9148	49147	9148	1852.887	218.984	0.819	-3.131	66.929	-6722.26
49148_9148	49148	9148	-8.429	436.791	2.339	-1.214	-38.542	21619.23
49148_9149	49148	9149	13.644	-392.241	-2.339	1.214	9.148	-16405.5
49149_9149	49149	9149	-24.449	391.696	2.339	-0.947	-9.175	16405.45
49149_9150	49149	9150	28.22	-349.404	-2.339	0.947	-20.151	-11757.4
49150_9150	49150	9150	-38.826	334.634	-1.371	-1.427	20.137	11757.43
49150_9151	49150	9151	41.449	-291.589	1.371	1.427	-1.938	-7602.72
49151_9151	49151	9151	-50.242	290.336	-1.422	-5.33	2.004	7615.585
49151_9152	49151	9152	51.361	-256.245	1.422	5.33	14.704	-4403.36
49152_9152	49152	9152	-56.629	236.682	0.685	-1.597	-14.801	4403.366
49152_9153	49152	9153	56.899	-212.947	-0.685	1.597	9.15	-2548.6
49153_9153	49153	9153	-59.104	212.24	0.642	-3.398	-9.169	2550.272
49153_9154	49153	9154	59.104	-173.684	-0.642	3.398	0.344	102.952
49154_9154	49154	9154	-59.104	155.848	-0.38	-1.03	-0.344	-102.953
49154_9155	49154	9155	59.104	-125.003	0.38	1.03	4.529	1647.639
49155_9155	49155	9155	-59.104	125.003	-0.327	-2.528	-4.529	-1647.64
49155_9156	49155	9156	59.104	-94.159	0.327	2.528	8.124	2853.029
49156_9156	49156	9156	-59.104	76.351	-0.012	1.019	-8.124	-2853.03
49156_9157	49156	9157	59.104	-48.31	0.012	-1.019	8.242	3476.333
49157_9157	49157	9157	-59.104	48.31	0.047	-2.458	-8.242	-3476.33
49157_9158	49157	9158	59.104	-20.269	-0.047	2.458	7.77	3819.227
49158_9158	49158	9158	-59.104	3.082	0.129	2.251	-7.77	-3819.23
49158_9159	49158	9159	59.104	24.959	-0.129	-2.251	6.484	3709.841
49159_9159	49159	9159	-59.104	-24.959	0.188	-1.459	-6.484	-3709.84
49159_9160	49159	9160	59.104	53	-0.188	1.459	4.606	3320.047
49160_9160	49160	9160	-59.104	-70.423	0.223	1.467	-4.606	-3320.05
49160_9161	49160	9161	59.104	101.239	-0.223	-1.467	2.151	2376.763
49161_9161	49161	9161	-59.104	-104.879	0.224	1.465	-2.151	-2376.76
49161_9162	49161	9162	59.104	135.724	-0.224	-1.465	-0.308	1053.441
49162_9162	49162	9162	-59.104	-151.718	1.207	3.03	0.308	-1053.44
49162_9163	49162	9163	59.104	190.274	-1.207	-3.03	-16.902	-1297.75
49163_9163	49163	9163	-56.841	-190.98	1.135	1.415	16.913	1296.577
49163_9164	49163	9164	56.572	214.715	-1.135	-1.415	-26.278	-2970.13
49164_9164	49164	9164	-51.261	-232.188	0.788	6.177	26.433	2970.128
49164_9165	49164	9165	50.143	266.279	-0.788	-6.177	-35.692	-5899.83
49165_9165	49165	9165	-42.561	-267.68	0.743	-1.567	35.461	5904.948
49165_9166	49165	9166	39.954	310.475	-0.743	1.567	-45.31	-9740.87
49166_9166	49166	9166	-29.755	-327.117	-2.182	-3.196	45.163	9740.866
49166_9167	49166	9167	26.005	369.172	2.182	3.196	-17.818	-14108.2

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49167_9167	49167	9167	-15.778	-369.778	-2.135	7.542	19.037	14108.18
49167_9168	49167	9168	10.59	414.09	2.135	-7.542	7.773	-19038.4
49168_9168	49168	9168	-1697.45	220.885	2.068	-1.786	-61.316	6246.37
49168_9169	49168	9169	1697.447	-191.379	-2.068	1.786	41.666	-4288.12
49169_9169	49169	9169	-1697.44	191.379	3.855	1.7	-41.666	4306.682
49169_9170	49169	9170	1697.444	-168.789	-3.855	-1.7	11.788	-2911.03
49170_9170	49170	9170	-1697.45	168.789	1.665	-2.056	-11.788	2911.032
49170_9171	49170	9171	1697.447	-146.199	-1.665	2.056	-1.115	-1690.45
49171_9171	49171	9171	-1697.44	128.744	1.435	0.316	1.115	1690.452
49171_9172	49171	9172	1697.444	-105.426	-1.435	-0.316	-12.599	-753.773
49172_9172	49172	9172	-1697.44	105.426	-0.686	-0.626	12.599	753.773
49172_9173	49172	9173	1697.444	-82.107	0.686	0.626	-7.108	-3.64
49173_9173	49173	9173	-1697.44	82.107	1.435	-0.622	7.108	3.64
49173_9174	49173	9174	1697.444	-58.789	-1.435	0.622	-18.592	559.945
49174_9174	49174	9174	-1697.44	41.992	0.93	-0.292	18.592	-559.945
49174_9175	49174	9175	1697.444	-24.503	-0.93	0.292	-24.173	759.431
49175_9175	49175	9175	-1697.44	24.503	-1.899	0.974	24.173	-759.43
49175_9176	49175	9176	1697.443	-7.014	1.899	-0.974	-12.779	853.984
49176_9176	49176	9176	-1697.44	7.014	0.93	-0.449	12.779	-853.984
49176_9177	49176	9177	1697.444	10.474	-0.93	0.449	-18.36	843.605
49177_9177	49177	9177	-1697.44	-10.474	0.93	-0.449	18.36	-843.605
49177_9178	49177	9178	1697.444	27.963	-0.93	0.449	-23.941	728.293
49178_9178	49178	9178	-1697.44	-44.736	-1.676	0.637	23.941	-728.293
49178_9179	49178	9179	1697.443	68.054	1.676	-0.637	-10.536	277.134
49179_9179	49179	9179	-1697.44	-68.054	0.446	0.291	10.536	-277.135
49179_9180	49179	9180	1697.444	91.372	-0.446	-0.291	-14.105	-360.569
49180_9180	49180	9180	-1697.44	-91.372	-1.676	-0.16	14.105	360.569
49180_9181	49180	9181	1697.443	114.691	1.676	0.16	-0.699	-1184.82
49181_9181	49181	9181	-1697.44	-131.755	-1.23	2.44	0.699	1184.82
49181_9182	49181	9182	1697.444	154.344	1.23	-2.44	8.835	-2293.45
49182_9182	49182	9182	-1697.44	-157.984	-1.23	2.44	-8.835	2293.452
49182_9183	49182	9183	1697.444	180.574	1.23	-2.44	18.37	-3605.36
49183_9183	49183	9183	-1697.44	-180.574	-3.017	-2.235	-18.37	3588.849
49183_9184	49183	9184	1697.442	210.08	3.017	2.235	47.031	-5444.46
49184_9184	49184	9184	-9.157	420.672	1.638	-6.834	-8.012	18126.92
49184_9185	49184	9185	14.345	-376.36	-1.638	6.834	-12.545	-13114.4
49185_9185	49185	9185	-24.718	375.78	1.684	3.299	11.394	13114.39
49185_9186	49185	9186	28.468	-333.725	-1.684	-3.299	-32.493	-8664.54
49186_9186	49186	9186	-38.706	317.942	-0.39	-0.93	32.841	8664.536
49186_9187	49186	9187	41.313	-275.148	0.39	0.93	-27.673	-4729.7
49187_9187	49187	9187	-49.745	273.722	-0.396	-4.243	27.699	4711.411
49187_9188	49187	9188	50.884	-239.013	0.396	4.243	-23.044	-1698.16
49188_9188	49188	9188	-55.77	218.319	-1.267	-3.229	22.98	1698.163
49188_9189	49188	9189	56.045	-194.15	1.267	3.229	-12.523	3.305
49189_9189	49189	9189	-58.023	193.458	-1.31	-3.098	12.489	-11.671
49189_9190	49189	9190	58.023	-152.777	1.31	3.098	5.519	2392.041
49190_9190	49190	9190	-58.024	134.346	-0.152	-3.744	-5.519	-2392.04
49190_9191	49190	9191	58.024	-101.801	0.152	3.744	7.192	3690.844
49191_9191	49191	9191	-58.024	101.801	-0.205	-0.389	-7.192	-3690.85
49191_9192	49191	9192	58.024	-69.256	0.205	0.389	9.446	4631.657
49192_9192	49192	9192	-58.024	50.545	-0.194	1.716	-9.446	-4631.66
49192_9193	49192	9193	58.024	-21.106	0.194	-1.716	11.381	4988.119
49193_9193	49193	9193	-58.024	21.106	-0.136	-3.297	-11.381	-4988.12

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49193_9194	49193	9194	58.024	8.332	0.136	3.297	12.736	5051.67
49194_9194	49194	9194	-58.024	-26.727	-0.252	3.051	-12.736	-5051.67
49194_9195	49194	9195	58.024	56.165	0.252	-3.051	15.247	4639.28
49195_9195	49195	9195	-58.024	-56.165	-0.194	-1.612	-15.247	-4639.28
49195_9196	49195	9196	58.024	85.574	0.194	1.612	17.175	3934.838
49196_9196	49196	9196	-58.028	-104.588	0.231	3.245	-17.175	-3934.83
49196_9197	49196	9197	58.028	137.133	-0.231	-3.245	14.637	2605.364
49197_9197	49197	9197	-58.027	-137.133	0.283	0.877	-14.637	-2605.37
49197_9198	49197	9198	58.027	169.678	-0.283	-0.877	11.519	917.908
49198_9198	49198	9198	-58.039	-191.568	1.72	2.894	-11.519	-917.897
49198_9199	49198	9199	58.039	232.278	-1.72	-2.894	-12.152	-1998.17
49199_9199	49199	9199	-55.236	-232.98	1.762	4.655	12.19	2015.581
49199_9200	49199	9200	54.946	257.99	-1.762	-4.655	-26.731	-4040.92
49200_9200	49200	9200	-48.483	-278.115	-1.736	6.095	26.831	4040.959
49200_9201	49200	9201	47.283	314.022	1.736	-6.095	-6.428	-7521.34
49201_9201	49201	9201	-38.264	-315.343	-1.73	1.49	6.374	7525.718
49201_9202	49201	9202	35.415	361.464	1.73	-1.49	16.609	-12016.7
49202_9202	49202	9202	-23.355	-381.842	0.34	8.414	-16.024	12016.66
49202_9203	49202	9203	19.278	427.036	-0.34	-8.414	11.711	-17091
49203_9203	49203	9203	-7.42	-427.441	0.294	-4.853	-13.095	17090.96
49203_9204	49203	9204	1.812	474.891	-0.294	4.853	9.333	-22767.5
49204_9204	49204	9204	-2030.36	239.194	-8.189	-3.935	121.786	7489.404
49204_9205	49204	9205	2030.357	-207.303	8.189	3.935	-43.994	-5368.54
49205_9205	49205	9205	-2030.36	207.303	-6.051	1.743	43.994	5132.579
49205_9206	49205	9206	2030.364	-182.767	6.051	-1.743	2.904	-3621.06
49206_9206	49206	9206	-2030.36	182.767	-6.051	1.743	-2.904	3621.059
49206_9207	49206	9207	2030.364	-158.232	6.051	-1.743	49.803	-2299.69
49207_9207	49207	9207	-2030.4	138.508	-2.23	-0.969	-49.803	2299.689
49207_9208	49207	9208	2030.396	-113.181	2.23	0.969	67.642	-1292.93
49208_9208	49208	9208	-2030.4	113.181	0.308	0.647	-67.642	1292.934
49208_9209	49208	9209	2030.397	-87.854	-0.308	-0.647	65.176	-488.794
49209_9209	49209	9209	-2030.4	87.854	2.846	1.258	-65.176	488.793
49209_9210	49209	9210	2030.395	-62.527	-2.846	-1.258	42.407	112.733
49210_9210	49210	9210	-2030.36	44.859	-4.525	1.655	-42.407	-112.734
49210_9211	49210	9211	2030.363	-25.864	4.525	-1.655	69.556	324.906
49211_9211	49211	9211	-2030.37	25.864	-1.141	1.114	-69.556	-324.908
49211_9212	49211	9212	2030.368	-6.869	1.141	-1.114	76.401	423.108
49212_9212	49212	9212	-2030.37	6.869	2.243	0.409	-76.401	-423.11
49212_9213	49212	9213	2030.367	12.127	-2.243	-0.409	62.943	407.336
49213_9213	49213	9213	-2030.36	-12.127	5.627	-0.27	-62.943	-407.336
49213_9214	49213	9214	2030.36	31.122	-5.627	0.27	29.182	277.584
49214_9214	49214	9214	-2030.43	-48.489	-6.761	-0.069	-29.182	-277.587
49214_9215	49214	9215	2030.425	73.785	6.761	0.069	83.204	-210.92
49215_9215	49215	9215	-2030.44	-73.785	-1.711	0.456	-83.204	210.92
49215_9216	49215	9216	2030.436	99.114	1.711	-0.456	96.892	-902.569
49216_9216	49216	9216	-2030.43	-99.114	3.364	2.712	-96.892	902.565
49216_9217	49216	9217	2030.434	124.443	-3.364	-2.712	69.975	-1796.89
49217_9217	49217	9217	-2030.4	-144.361	9.061	-7.383	-69.975	1797.03
49217_9218	49217	9218	2030.402	168.9	-9.061	7.383	-0.259	-3011.09
49218_9218	49218	9218	-2030.35	-168.9	16.918	4.269	0.259	3011.092
49218_9219	49218	9219	2030.351	193.44	-16.918	-4.269	-131.401	-4415.46
49219_9219	49219	9219	-2030.34	-197.08	17.745	7.959	131.401	4653.959
49219_9220	49219	9220	2030.344	228.979	-17.745	-7.959	-300.015	-6678.19

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49220_9220	49220	9220	14.098	467.013	-1.027	-25.948	11.914	21899.2
49220_9221	49220	9221	-8.49	-419.585	1.027	25.948	1.062	-16324.8
49221_9221	49221	9221	-3.159	419.623	-0.898	25.763	-6.584	16324.82
49221_9222	49221	9222	7.236	-374.411	0.898	-25.763	17.889	-11342
49222_9222	49222	9222	-19.129	350.69	3.688	-3.232	-15.239	11343.47
49222_9223	49222	9223	21.978	-304.58	-3.688	3.232	-33.724	-6996.75
49223_9223	49223	9223	-31.449	303.832	3.888	23.081	32.96	7009.943
49223_9224	49223	9224	32.67	-267.322	-3.888	-23.081	-78.657	-3653.86
49224_9224	49224	9224	-38.461	242.344	-2.144	-5.605	79.19	3654.949
49224_9225	49224	9225	38.755	-216.887	2.144	5.605	-61.491	-1759.14
49225_9225	49225	9225	-41.037	216.356	-2.006	-0.335	61.48	1750.476
49225_9226	49225	9226	41.037	-170.294	2.006	0.335	-32.432	1049.423
49226_9226	49226	9226	-41.002	150.076	0.262	3.063	32.432	-1049.56
49226_9227	49226	9227	41.002	-113.908	-0.262	-3.063	-35.406	2550.554
49227_9227	49227	9227	-41.001	113.908	0.37	-3.657	35.406	-2550.55
49227_9228	49227	9228	41.001	-77.735	-0.37	3.657	-39.609	3640.361
49228_9228	49228	9228	-41.009	59.388	-0.685	5.929	39.609	-3640.52
49228_9229	49228	9229	41.009	-23.24	0.685	-5.929	-31.824	4110.09
49229_9229	49229	9229	-41.011	23.24	-0.577	-4.903	31.824	-4110.09
49229_9230	49229	9230	41.011	12.914	0.577	4.903	-25.266	4168.778
49230_9230	49230	9230	-41.056	-31.915	8.168	7.626	25.266	-4168.6
49230_9231	49230	9231	41.056	70.211	-8.168	-7.626	-123.617	3553.75
49231_9231	49231	9231	-41.037	-70.211	8.263	-0.574	123.617	-3553.76
49231_9232	49231	9232	41.037	98.761	-8.263	0.574	-197.791	2795.337
49232_9232	49232	9232	-40.402	-99.02	8.417	-11.789	197.702	-2795.78
49232_9233	49232	9233	40.347	108.978	-8.417	11.789	-223.596	2475.824
49233_9233	49233	9233	-38.21	-131.431	-16.741	0.637	223.745	-2475.76
49233_9234	49233	9234	37.614	162.373	16.741	-0.637	-64.181	1075.614
49234_9234	49234	9234	-34.522	-163.14	-16.633	-3.193	64.023	-1075.62
49234_9235	49234	9235	33.61	187.298	16.633	3.193	58.902	-219.572
49235_9235	49235	9235	-30.752	-187.807	-16.511	-6.672	-59.208	211.153
49235_9236	49235	9236	29.486	211.607	16.511	6.672	162.101	-1456.12
49236_9236	49236	9236	-24.781	-232.091	24.59	-4.868	-162.178	1456.112
49236_9237	49236	9237	22.066	270.437	-24.59	4.868	-80.354	-3935.34
49237_9237	49237	9237	-15.974	-270.772	24.75	6.068	81.441	3925.497
49237_9238	49237	9238	12.503	308.511	-24.75	-6.068	-313.247	-6640.58
49238_9238	49238	9238	-2.416	-331.498	-16.464	-6.154	312.532	6639.876
49238_9239	49238	9239	-1.769	368.788	16.464	6.154	-164.671	-9788.15
49239_9239	49239	9239	6.878	-368.743	-16.383	11.321	167.093	9788.108
49239_9240	49239	9240	-8.991	385.478	16.383	-11.321	-102.589	-11275.3
49240_9240	49240	9240	-1545.68	288.907	7.607	0.97	600.548	3693.943
49240_9241	49240	9241	1545.68	-265.034	-7.607	-0.97	-648.708	-1940.34
49241_9241	49241	9241	-1543.94	222.918	-28.974	-1.736	648.708	1940.194
49241_9242	49241	9242	1543.935	-211	28.974	1.736	-557.13	-1254.45
49242_9242	49242	9242	-1543.99	211	-25.992	0.415	557.13	1259.12
49242_9243	49242	9243	1543.988	-165.047	25.992	-0.415	-236.025	1063.69
49243_9243	49243	9243	-1544.05	165.047	-21.905	-2.401	236.025	-1063.69
49243_9244	49243	9244	1544.052	-131.629	21.905	2.401	-39.232	2396.343
49244_9244	49244	9244	-1543.67	110.888	-28.314	6.891	39.232	-2395.67
49244_9245	49244	9245	1543.674	-72.008	28.314	-6.891	256.716	3351.518
49245_9245	49245	9245	-1543.75	72.008	-24.025	-2.422	-256.716	-3351.52
49245_9246	49245	9246	1543.747	-37.9	24.025	2.422	477.01	3855.427
49246_9246	49246	9246	-1544.15	22.355	-9.296	7.518	-477.01	-3854.67

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49246_9247	49246	9247	1544.15	16.883	9.296	-7.518	575.068	3883.529
49247_9247	49247	9247	-1544.17	-16.883	-4.146	-5.434	-575.068	-3883.53
49247_9248	49247	9248	1544.173	50.675	4.146	5.434	612.733	3576.661
49248_9248	49248	9248	-1544.23	-67.409	1.004	4.263	-612.733	-3576.18
49248_9249	49248	9249	1544.229	102.704	-1.004	-4.263	603.211	2769.1
49249_9249	49249	9249	-1544.22	-102.704	4.78	-2.51	-603.211	-2769.1
49249_9250	49249	9250	1544.222	140.402	-4.78	2.51	554.764	1537.218
49250_9250	49250	9250	-1544.33	-156.733	17.405	-0.427	-554.764	-1537.04
49250_9251	49250	9251	1544.333	193.473	-17.405	0.427	382.854	-192.458
49251_9251	49251	9251	-1544.29	-193.473	21.19	0.045	-382.854	192.458
49251_9252	49251	9252	1544.286	229.736	-21.19	-0.045	176.276	-2255.37
49252_9252	49252	9252	-1543.97	-257.197	5.495	-53.473	-176.276	2254.423
49252_9253	49252	9253	1543.972	268.949	-5.495	53.473	158.914	-3085.59
49253_9253	49253	9253	-1543.96	-268.949	8.366	-47.684	-158.914	3084.141
49253_9254	49253	9254	1543.959	304.772	-8.366	47.684	79.438	-5809.44
49254_9254	49254	9254	2.88	362.4	-22.093	58.006	99.395	13769.96
49254_9255	49254	9255	2.989	-312.493	22.093	-58.006	164.161	-9749.11
49255_9255	49255	9255	-14.884	271.06	19.022	-10.749	-155.621	9748.042
49255_9256	49255	9256	18.881	-228.004	-19.022	10.749	-47.612	-7083.83
49256_9256	49256	9256	-24.253	227.464	19.163	13.2	45.46	7083.833
49256_9257	49256	9257	27.224	-184.347	-19.163	-13.2	-256.458	-4817.94
49257_9257	49257	9257	-31.561	159.65	-8.882	-4.142	257.464	4817.881
49257_9258	49257	9258	32.519	-141.153	8.882	4.142	-214.79	-4095.38
49258_9258	49258	9258	-34.934	140.575	-8.816	-1.273	214.406	4098.319
49258_9259	49258	9259	36.095	-107.193	8.816	1.273	-125.298	-2846.42
49259_9259	49259	9259	-38.165	106.475	-8.71	4.003	125.093	2846.425
49259_9260	49259	9260	38.526	-84.405	8.71	-4.003	-66.496	-2204.4
49260_9260	49260	9260	-39.517	62.097	-2.231	-11.785	66.591	2349.139
49260_9261	49260	9261	39.577	-51.49	2.231	11.785	-59.525	-2169.29
49261_9261	49261	9261	-39.985	51.124	-2.104	-5.234	59.518	2192.493
49261_9262	49261	9262	39.985	-13.256	2.104	5.234	-35.398	-1823.55
49262_9262	49262	9262	-39.992	13.256	-1.978	0.517	35.398	1823.561
49262_9263	49262	9263	39.992	19.358	1.978	-0.517	-15.869	-1853.68
49263_9263	49263	9263	-39.979	-44.78	-0.207	-5.516	15.869	1853.828
49263_9264	49263	9264	39.979	83.585	0.207	5.516	-13.439	-2607.65
49264_9264	49264	9264	-39.979	-83.585	-0.135	-0.806	13.439	2607.658
49264_9265	49264	9265	39.979	120.965	0.135	0.806	-11.914	-3764.77
49265_9265	49265	9265	-39.978	-143.358	0.123	-7.528	11.914	3765.197
49265_9266	49265	9266	39.978	182.234	-0.123	7.528	-13.364	-5680.72
49266_9266	49266	9266	-39.978	-182.234	0.191	2.15	13.364	5680.72
49266_9267	49266	9267	39.978	219.549	-0.191	-2.15	-15.524	-7949.62
49267_9267	49267	9267	-39.948	-243.647	1.461	-14.971	15.524	7950.932
49267_9268	49267	9268	39.948	265.745	-1.461	14.971	-25.295	-9654.4
49268_9268	49268	9268	-39.948	-265.745	1.483	-9.544	25.295	9654.404
49268_9269	49268	9269	39.948	287.978	-1.483	9.544	-35.276	-11517.5
49269_9269	49269	9269	-36.669	-288.733	1.547	7.538	35.333	11482.59
49269_9270	49269	9270	36.239	322.916	-1.547	-7.538	-50.238	-14429.6
49270_9270	49270	9270	-29.095	-347.945	-2.901	-30.35	49.385	14432.61
49270_9271	49270	9271	27.814	385.056	2.901	30.35	-19.282	-18235.5
49271_9271	49271	9271	-20.368	-385.748	-2.83	1.422	20.168	18205.43
49271_9272	49271	9272	18.569	418.68	2.83	-1.422	2.922	-21485.8
49272_9272	49272	9272	-12.865	-419.107	-2.736	51.86	0.023	21485.78
49272_9273	49272	9273	11.407	440.241	2.736	-51.86	14.098	-23702.8

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49273_9273	49273	9273	-0.961	-468.933	2.231	-60.717	-21.838	23706.66
49273_9274	49273	9274	-3.434	519.03	-2.231	60.717	-4.866	-29600.1
49274_9274	49274	9274	17.64	-522.583	2.38	49.033	14.658	29600.14
49274_9275	49274	9275	-24.275	580.151	-2.38	-49.033	-46.061	-36840.1
49275_9275	49275	9275	-2713.47	351.522	-55.722	-12.901	1132.076	12462.99
49275_9276	49275	9276	2713.473	-332.309	55.722	12.901	-859.996	-10793.5
49276_9276	49276	9276	-2713.54	332.309	-52.595	-0.46	859.996	10793.5
49276_9277	49276	9277	2713.536	-314.131	52.595	0.46	-617.02	-9300.29
49277_9277	49277	9277	-2713.62	314.131	-48.163	11.629	617.02	9361.372
49277_9278	49277	9278	2713.618	-280.115	48.163	-11.629	-173.353	-6624.34
49278_9278	49278	9278	-2713.12	266.062	-25.417	-11.632	173.353	8044.682
49278_9279	49278	9279	2713.115	-224.421	25.417	11.632	114.071	-5271.43
49279_9279	49279	9279	-2713.2	224.421	-13.798	10.942	-114.071	5271.427
49279_9280	49279	9280	2713.199	-181.512	13.798	-10.942	274.857	-2906.34
49280_9280	49280	9280	-2713.75	155.342	-25.173	-2.923	-274.857	2906.904
49280_9281	49280	9281	2713.747	-112.225	25.173	2.923	569.61	-1340.42
49281_9281	49281	9281	-2713.83	112.225	-14.248	2.473	-569.61	1340.422
49281_9282	49281	9282	2713.826	-68.25	14.248	-2.473	739.762	-262.806
49282_9282	49282	9282	-2713.9	49.626	-8.487	1.646	-739.762	293.32
49282_9283	49282	9283	2713.898	-7.529	8.487	-1.646	845.057	61.228
49283_9283	49283	9283	-2713.91	7.529	4.499	1.353	-845.057	-61.235
49283_9284	49283	9284	2713.907	30.593	-4.499	-1.353	794.507	-68.332
49284_9284	49284	9284	-2712.66	-68.628	55.716	-1.135	-794.507	68.398
49284_9285	49284	9285	2712.662	102.991	-55.716	1.135	230.247	-937.424
49285_9285	49285	9285	-2712.49	-102.991	63.741	1.639	-230.247	937.424
49285_9286	49285	9286	2712.485	134.812	-63.741	-1.639	-367.54	-2052.52
49286_9286	49286	9286	-2712.41	-169.094	-11.314	-34.176	367.54	2052.614
49286_9287	49286	9287	2712.414	182.749	11.314	34.176	-322.007	-2760.6
49287_9287	49287	9287	-2712.41	-182.749	-12.861	-34.817	322.007	2535.999
49287_9288	49287	9288	2712.407	217.277	12.861	34.817	-199.851	-4435.76
49288_9288	49288	9288	35.422	820.051	-24.069	56.812	-43.156	23958.22
49288_9289	49288	9289	-30.628	-776.208	24.069	-56.812	301.235	-15402.2
49289_9289	49289	9289	1.487	674.029	19.684	-13.25	-293.163	15405.96
49289_9290	49289	9290	2.281	-627.173	-19.684	13.25	58.886	-7664.25
49290_9290	49290	9290	-21.102	626.824	19.816	8.001	-60.259	7664.243
49290_9291	49290	9291	23.321	-582.444	-19.816	-8.001	-169.579	-652.406
49291_9291	49291	9291	-36.767	539.938	-13.478	11.787	169.527	652.243
49291_9292	49291	9292	37.245	-524.279	13.478	-11.787	-113.612	1555.202
49292_9292	49292	9292	-46.195	523.573	-13.339	4.797	113.845	-1551.26
49292_9293	49292	9293	46.554	-496.792	13.339	-4.797	-6.977	5638.748
49293_9293	49293	9293	-53.047	496.149	-13.23	-6.787	7.041	-5638.75
49293_9294	49293	9294	53.054	-469.514	13.23	6.787	98.591	9493.741
49294_9294	49294	9294	-52.84	431.101	-0.448	42.744	-98.593	-9495.16
49294_9295	49294	9295	52.84	-417.732	0.448	-42.744	100.387	11196.14
49295_9295	49295	9295	-52.841	417.732	-0.27	5.324	-100.387	-11195
49295_9296	49295	9296	52.841	-379.145	0.27	-5.324	103.139	15253.56
49296_9296	49296	9296	-52.841	379.145	-0.147	-30.255	-103.139	-15253.5
49296_9297	49296	9297	52.841	-347.847	0.147	30.255	104.352	18256.77
49297_9297	49297	9297	-52.736	313.429	4.361	40.122	-104.352	-18272.5
49297_9298	49297	9298	52.736	-270.088	-4.361	-40.122	54.229	21625.55
49298_9298	49298	9298	-52.721	270.088	4.541	-33.44	-54.229	-21625.6
49298_9299	49298	9299	52.721	-229.813	-4.541	33.44	5.737	24294.92
49299_9299	49299	9299	-52.795	196.194	0.982	51.454	-5.737	-24298.5

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49299_9300	49299	9300	52.795	-155.463	-0.982	-51.454	-4.866	26197.5
49300_9300	49300	9300	-52.791	155.463	1.152	-33.174	4.866	-26197.5
49300_9301	49300	9301	52.791	-107.168	-1.152	33.174	-19.621	27879.17
49301_9301	49301	9301	-52.818	71.472	-0.105	60.469	19.621	-27882.8
49301_9302	49301	9302	52.818	-26.754	0.105	-60.469	-18.373	28465.16
49302_9302	49302	9302	-52.818	26.754	0.101	-50.558	18.373	-28465.2
49302_9303	49302	9303	52.818	17.58	-0.101	50.558	-19.556	28519.11
49303_9303	49303	9303	-52.803	-52.331	0.919	47.148	19.556	-28523.3
49303_9304	49303	9304	52.803	99.702	-0.919	-47.148	-31.102	27568.41
49304_9304	49304	9304	-52.8	-99.702	1.096	-45.269	31.102	-27568.4
49304_9305	49304	9305	52.8	141.348	-1.096	45.269	-43.207	26237.44
49305_9305	49305	9305	-52.808	-175.672	0.711	54.688	43.207	-26240.8
49305_9306	49305	9306	52.808	217.347	-0.711	-54.688	-51.066	24069.3
49306_9306	49306	9306	-52.805	-217.347	0.926	-43.298	51.066	-24069.3
49306_9307	49306	9307	52.805	264.686	-0.926	43.298	-62.692	21043.92
49307_9307	49307	9307	-52.816	-296.264	0.417	23.253	62.692	-21046.7
49307_9308	49307	9308	52.816	341.109	-0.417	-23.253	-67.655	17257.12
49308_9308	49308	9308	-52.815	-344.749	0.554	-21.317	67.655	-17257.1
49308_9309	49308	9309	52.815	388.882	-0.554	21.317	-74.136	12964.43
49309_9309	49309	9309	-53.051	-420.675	-11.097	11.414	74.136	-12966
49309_9310	49309	9310	53.051	465.718	11.097	-11.414	58.405	7672.468
49310_9310	49310	9310	-53.088	-465.718	-10.92	-14.202	-58.405	-7672.46
49310_9311	49310	9311	53.088	509.667	10.92	14.202	185.662	1988.995
49311_9311	49311	9311	-51.782	-537.619	55.969	-15.993	-185.662	-1989.05
49311_9312	49311	9312	51.782	550.129	-55.969	15.993	0	184.879

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1	2	3	4	5	6	7	8	9
41000_1000	41000	1000	-2.664	388.927	-0.509	-8.394	0	-12.642
41000_1001	41000	1001	2.664	-339.204	0.509	8.394	8.654	6203.767
41001_1001	41001	1001	-2.663	339.204	-0.514	3.797	-8.654	-6203.77
41001_1002	41001	1002	2.663	-307.469	0.514	-3.797	14.234	9713.022
41002_1002	41002	1002	-2.6	284.159	1.688	-7.922	-14.234	-9712.32
41002_1003	41002	1003	2.6	-248.508	-1.688	7.922	-6.346	12959.67
41003_1003	41003	1003	-2.601	248.508	1.686	2.643	6.346	-12959.7
41003_1004	41003	1004	2.601	-212.854	-1.686	-2.643	-26.901	15772.56
41004_1004	41004	1004	-2.637	188.552	0.29	-9.416	26.901	-15771.3
41004_1005	41004	1005	2.637	-152.888	-0.29	9.416	-30.439	17853.65
41005_1005	41005	1005	-2.637	152.888	0.288	5.127	30.439	-17853.6
41005_1006	41005	1006	2.637	-117.221	-0.288	-5.127	-33.95	19501.08
41006_1006	41006	1006	-2.642	89.919	0.059	-9.428	33.95	-19500
41006_1007	41006	1007	2.642	-54.27	-0.059	9.428	-34.675	20378.91
41007_1007	41007	1007	-2.642	54.27	0.057	7.174	34.675	-20378.9
41007_1008	41007	1008	2.642	-18.618	-0.057	-7.174	-35.375	20823.28
41008_1008	41008	1008	-2.639	-9.776	0.361	-7.301	35.375	-20822.5
41008_1009	41008	1009	2.639	45.409	-0.361	7.301	-39.778	20486.26
41009_1009	41009	1009	-2.639	-45.409	0.359	7.376	39.778	-20486.3
41009_1010	41009	1010	2.639	81.075	-0.359	-7.376	-44.162	19714.85
41010_1010	41010	1010	-2.642	-109.291	0.008	-14.629	44.162	-19714.5
41010_1011	41010	1011	2.642	144.935	-0.008	14.629	-44.257	18164.97
41011_1011	41011	1011	-2.642	-144.935	0.003	16.782	44.257	-18165
41011_1012	41011	1012	2.642	180.557	-0.003	-16.782	-44.295	16182.28
41012_1012	41012	1012	-2.642	-208.585	-0.567	7.206	44.295	-16182.2
41012_1013	41012	1013	2.642	244.239	0.567	-7.206	-37.387	13421.4
41013_1013	41013	1013	-2.643	-244.239	-0.564	-3.717	37.387	-13421.4
41013_1014	41013	1014	2.643	279.89	0.564	3.717	-30.505	10226.15
41014_1014	41014	1014	-2.643	-307.8	0.47	4.865	30.505	-10226.2
41014_1015	41014	1015	2.643	356.728	-0.47	-4.865	-38.378	4666.184
41015_1015	41015	1015	1.412	-356.735	0.474	-2.01	38.358	-4667.82
41015_1016	41015	1016	-1.668	379.276	-0.474	2.01	-42.268	1631.787
41016_1016	41016	1016	10.258	-398.487	3.818	-0.076	32.503	-2508.64
41016_1017	41016	1017	-11.318	430.788	-3.818	0.076	-77.363	-2362.81
41017_1017	41017	1017	23.396	-430.301	3.822	1.307	77.547	2362.807
41017_1018	41017	1018	-25.778	469.408	-3.822	-1.307	-128.292	-8333.59
41018_1018	41018	1018	40.708	-487.306	-3.159	-9.84	127.606	8333.444
41018_1019	41018	1019	-44.161	526.014	3.159	9.84	-87.97	-14687.4
41019_1019	41019	1019	58.632	-524.598	-3.155	12.278	90.538	14687.35
41019_1020	41019	1020	-63.454	565.794	3.155	-12.278	-50.823	-21547.6
41020_1020	41020	1020	-2139.25	147.926	-4.18	-3.157	144.267	3557.401
41020_1021	41020	1021	2139.247	-121.168	4.18	3.157	-104.548	-2278.84
41021_1021	41021	1021	-2139.25	121.168	-1.687	-0.502	104.548	2278.842
41021_1022	41021	1022	2139.25	-101.451	1.687	0.502	-91.471	-1416.18
41022_1022	41022	1022	-2139.25	101.451	1.055	1.313	91.471	1416.18
41022_1023	41022	1023	2139.25	-81.738	-1.055	-1.313	-99.649	-706.415
41023_1023	41023	1023	-2139.21	63.045	-10.573	-0.479	99.649	706.407
41023_1024	41023	1024	2139.213	-42.694	10.573	0.479	-15.068	-283.467
41024_1024	41024	1024	-2139.21	42.694	-10.573	-0.479	15.068	283.467
41024_1025	41024	1025	2139.213	-22.343	10.573	0.479	69.512	-23.329
41025_1025	41025	1025	-2139.23	22.343	-7.915	-0.45	-69.512	23.329
41025_1026	41025	1026	2139.225	-1.995	7.915	0.45	132.822	74.004

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41026_1026	41026	1026	-2139.23	-15.754	-5.023	-0.442	-132.822	-74.004
41026_1027	41026	1027	2139.228	31.009	5.023	0.442	162.939	-66.202
41027_1027	41027	1027	-2139.23	-31.009	-1.09	-0.321	-162.939	66.203
41027_1028	41027	1028	2139.233	46.286	1.09	0.321	169.483	-298.293
41028_1028	41028	1028	-2139.23	-46.286	-1.476	-0.374	-169.483	298.293
41028_1029	41028	1029	2139.233	61.539	1.476	0.374	178.333	-621.517
41029_1029	41029	1029	-2139.23	-61.539	-1.09	-0.262	-178.333	621.517
41029_1030	41029	1030	2139.233	76.816	1.09	0.262	184.877	-1036.95
41030_1030	41030	1030	-2139.22	-94.198	7.774	-0.27	-184.877	1036.95
41030_1031	41030	1031	2139.221	114.538	-7.774	0.27	122.722	-1871.41
41031_1031	41031	1031	-2139.22	-114.538	8.058	-0.021	-122.722	1871.408
41031_1032	41031	1032	2139.22	134.904	-8.058	0.021	58.216	-2869.83
41032_1032	41032	1032	-2139.22	-134.904	7.774	-0.402	-58.216	2869.832
41032_1033	41032	1033	2139.221	155.244	-7.774	0.402	-3.939	-4029.74
41033_1033	41033	1033	-2139.28	-172.41	-5.886	-24.762	3.939	4029.868
41033_1034	41033	1034	2139.276	192.132	5.886	24.762	41.692	-5442.91
41034_1034	41034	1034	-2139.28	-192.132	-3.141	-17.779	-41.692	5442.938
41034_1035	41034	1035	2139.282	211.852	3.141	17.779	66.042	-7008.66
41035_1035	41035	1035	-2139.21	-211.852	17.368	49.414	-66.042	7008.505
41035_1036	41035	1036	2139.213	238.607	-17.368	-49.414	-98.985	-9148.59
41036_1036	41036	1036	11.128	460.883	2.319	-10.59	-11.183	28599.24
41036_1037	41036	1037	-6.306	-419.694	-2.319	10.59	-18.007	-23060.5
41037_1037	41037	1037	-5.28	419.708	2.353	7.217	16.076	23060.47
41037_1038	41037	1038	8.733	-380.985	-2.353	-7.217	-45.606	-18038.4
41038_1038	41038	1038	-20.349	367.035	-3.287	-3.111	46.342	18039.29
41038_1039	41038	1039	22.731	-327.962	3.287	3.111	-2.737	-13431.4
41039_1039	41039	1039	-54.175	257.688	-0.868	-0.636	25.512	1886.191
41039_1040	41039	1040	55.237	-225.303	0.868	0.636	-15.309	953.388
41040_1040	41040	1040	-60.258	204.75	-0.24	-0.084	15.282	-953.448
41040_1041	41040	1041	60.513	-182.273	0.24	0.084	-13.303	2549.905
41041_1041	41041	1041	-62.581	181.574	-0.225	-0.83	13.301	-2549.91
41041_1042	41041	1042	62.581	-141.671	0.225	0.83	-9.627	5185.718
41042_1042	41042	1042	-62.58	118.251	-0.043	2.237	9.627	-5185.87
41042_1043	41042	1043	62.58	-88.936	0.043	-2.237	-9.108	6427.023
41043_1043	41043	1043	-62.58	88.936	0.009	-3.109	9.108	-6427.02
41043_1044	41043	1044	62.58	-59.624	-0.009	3.109	-9.212	7316.909
41044_1044	41044	1044	-62.579	34.613	0.186	2.946	9.212	-7317.11
41044_1045	41044	1045	62.579	-5.305	-0.186	-2.946	-11.439	7556.196
41045_1045	41045	1045	-62.579	5.305	0.238	-3.342	11.439	-7556.2
41045_1046	41045	1046	62.579	24.002	-0.238	3.342	-14.288	7444.225
41046_1046	41046	1046	-62.586	-50.023	-0.185	2.653	14.288	-7444.46
41046_1047	41046	1047	62.586	79.35	0.185	-2.653	-12.07	6669.12
41047_1047	41047	1047	-62.586	-79.35	-0.137	-2.467	12.07	-6669.12
41047_1048	41047	1048	62.586	108.651	0.137	2.467	-10.43	5543.43
41048_1048	41048	1048	-62.585	-133.357	0.014	3.391	10.43	-5543.56
41048_1049	41048	1049	62.585	162.681	-0.014	-3.391	-10.599	3769.61
41049_1049	41049	1049	-62.585	-162.681	0.114	-2.648	10.599	-3769.61
41049_1050	41049	1050	62.585	191.976	-0.114	2.648	-11.969	1646.437
41050_1050	41050	1050	-62.587	-215.043	-0.033	-0.221	11.969	-1646.49
41050_1051	41050	1051	62.587	254.909	0.033	0.221	-11.424	-2182.09
41051_1051	41051	1051	-59.684	-255.604	0.057	2.806	11.456	2182.091
41051_1052	41051	1052	59.447	276.369	-0.057	-2.806	-11.927	-4374.21
41052_1052	41052	1052	-52.898	-296.369	0.876	-2.252	11.827	4374.215

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41052_1053	41052	1053	51.918	326.26	-0.876	2.252	-22.12	-8033.48
41053_1053	41053	1053	-45.403	-328.657	2.655	6.613	25.224	8247.772
41053_1054	41053	1054	43.052	367.148	-2.655	-6.613	-60.471	-12865.1
41054_1054	41054	1054	-31.299	-384.1	-1.905	-5.288	59.722	12865.18
41054_1055	41054	1055	27.903	422.087	1.905	5.288	-35.814	-17921.5
41055_1055	41055	1055	-16.272	-422.695	-1.849	8.893	37.433	17921.47
41055_1056	41055	1056	11.551	462.968	1.849	-8.893	-14.141	-23495.7
41056_1056	41056	1056	-2019.33	198.69	-2.783	-2.606	71.628	6453.352
41056_1057	41056	1057	2019.328	-172.273	2.783	2.606	-45.186	-4691.23
41057_1057	41057	1057	-2019.33	172.273	-1.34	0.772	45.186	4652.696
41057_1058	41057	1058	2019.329	-151.194	1.34	-0.772	-34.806	-3399.88
41058_1058	41058	1058	-2019.33	151.194	-1.34	0.772	34.806	3399.883
41058_1059	41058	1059	2019.329	-130.115	1.34	-0.772	-24.426	-2310.35
41059_1059	41059	1059	-2019.41	112.61	-9.635	-1.637	24.426	2310.384
41059_1060	41059	1060	2019.408	-90.823	9.635	1.637	52.715	-1496.02
41060_1060	41060	1060	-2019.42	90.823	-7.275	0.111	-52.715	1496.015
41060_1061	41060	1061	2019.418	-69.065	7.275	-0.111	110.886	-856.808
41061_1061	41061	1061	-2019.43	69.065	-4.6	1.246	-110.886	856.808
41061_1062	41061	1062	2019.426	-47.282	4.6	-1.246	147.708	-391.126
41062_1062	41062	1062	-2019.4	30.279	-3.021	-0.246	-147.708	391.139
41062_1063	41062	1063	2019.399	-13.948	3.021	0.246	165.837	-258.425
41063_1063	41063	1063	-2019.4	13.948	0.136	0.158	-165.837	258.425
41063_1064	41063	1064	2019.401	2.354	-0.136	-0.158	165.024	-223.695
41064_1064	41064	1064	-2019.4	-2.354	0.338	0.181	-165.024	223.695
41064_1065	41064	1065	2019.401	18.683	-0.338	-0.181	162.996	-286.816
41065_1065	41065	1065	-2019.4	-18.683	3.697	0.658	-162.996	286.815
41065_1066	41065	1066	2019.398	35.011	-3.697	-0.658	140.811	-447.905
41066_1066	41066	1066	-2019.37	-52.133	5.311	-0.285	-140.811	447.915
41066_1067	41066	1067	2019.367	73.913	-5.311	0.285	98.298	-952.338
41067_1067	41067	1067	-2019.36	-73.913	7.83	0.903	-98.298	952.337
41067_1068	41067	1068	2019.359	95.691	-7.83	-0.903	35.631	-1631.03
41068_1068	41068	1068	-2019.36	-95.691	7.685	0.786	-35.631	1631.027
41068_1069	41068	1069	2019.36	117.443	-7.685	-0.786	-25.799	-2482.84
41069_1069	41069	1069	-2019.49	-134.532	3.071	-0.42	25.799	2482.941
41069_1070	41069	1070	2019.485	155.627	-3.071	0.42	-49.604	-3607.59
41070_1070	41070	1070	-2019.49	-155.627	3.071	-0.42	49.604	3607.589
41070_1071	41070	1071	2019.485	176.722	-3.071	0.42	-73.409	-4895.76
41071_1071	41071	1071	-2019.48	-176.722	4.487	3.098	73.409	4934.299
41071_1072	41071	1072	2019.482	203.122	-4.487	-3.098	-116.007	-6737.47
41072_1072	41072	1072	-6.039	462.354	1.121	-7.496	23.421	23869.33
41072_1073	41072	1073	10.76	-422.084	-1.121	7.496	-37.542	-18303.1
41073_1073	41073	1073	-22.374	421.627	1.167	5.271	36.088	18303.13
41073_1074	41073	1074	25.77	-383.647	-1.167	-5.271	-50.725	-13253.4
41074_1074	41074	1074	-37.489	368.789	-2.771	-0.815	51.138	13253.86
41074_1075	41074	1075	39.84	-330.313	2.771	0.815	-14.358	-8616.4
41075_1075	41075	1075	-46.951	258.246	-0.627	-2.672	20.852	-3911.67
41075_1076	41075	1076	47.913	-228.903	0.627	2.672	-13.482	6775.81
41076_1076	41076	1076	-53.008	209.288	-0.329	5.109	13.33	-6776.13
41076_1077	41076	1077	53.24	-188.896	0.329	-5.109	-10.619	8418.63
41077_1077	41077	1077	-55.384	188.278	-0.258	-5.824	10.677	-8402.52
41077_1078	41077	1078	55.384	-149.497	0.258	5.824	-6.852	10906.53
41078_1078	41078	1078	-55.378	127.331	0.282	5.096	6.852	-10906.8
41078_1079	41078	1079	55.378	-97.899	-0.282	-5.096	-10.028	12173.91

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41079_1079	41079	1079	-55.378	97.899	0.334	-6.202	10.028	-12173.9
41079_1080	41079	1080	55.378	-68.442	-0.334	6.202	-13.784	13110.53
41080_1080	41080	1080	-55.384	44.113	-0.132	5.567	13.784	-13110.9
41080_1081	41080	1081	55.384	-14.658	0.132	-5.567	-12.301	13441.83
41081_1081	41081	1081	-55.384	14.658	-0.083	-6.359	12.301	-13441.8
41081_1082	41081	1082	55.384	14.795	0.083	6.359	-11.372	13441.06
41082_1082	41082	1082	-55.385	-40.588	-0.055	10.555	11.372	-13441.5
41082_1083	41082	1083	55.385	72.239	0.055	-10.555	-10.702	12758.84
41083_1083	41083	1083	-55.385	-72.239	0.036	-10.517	10.702	-12758.8
41083_1084	41083	1084	55.385	103.887	-0.036	10.517	-11.138	11693.32
41084_1084	41084	1084	-55.387	-129.256	-0.125	9.394	11.138	-11693.6
41084_1085	41084	1085	55.387	158.705	0.125	-9.394	-9.728	10072.62
41085_1085	41085	1085	-55.387	-158.705	-0.027	-8.487	9.728	-10072.6
41085_1086	41085	1086	55.387	188.152	0.027	8.487	-9.425	8120.184
41086_1086	41086	1086	-55.39	-211.25	-0.298	5.809	9.425	-8120.34
41086_1087	41086	1087	55.39	240.697	0.298	-5.809	-6.074	5576.364
41087_1087	41087	1087	-55.391	-240.697	-0.199	-4.091	6.074	-5576.37
41087_1088	41087	1088	55.391	270.142	0.199	4.091	-3.83	2701.077
41088_1088	41088	1088	-55.387	-291.169	0.209	1.079	3.83	-2701.19
41088_1089	41088	1089	55.387	328.464	-0.209	-1.079	-6.812	-1716.19
41089_1089	41089	1089	-51.654	-329.071	0.195	0.508	6.818	1700.078
41089_1090	41089	1090	51.409	350.599	-0.195	-0.508	-8.428	-4505.46
41090_1090	41090	1090	-43.305	-369.103	0.584	-1.227	8.386	4505.451
41090_1091	41090	1091	42.29	400.021	-0.584	1.227	-15.248	-9024.44
41091_1091	41091	1091	-34.456	-401.808	2.193	2.992	16.927	9166.088
41091_1092	41091	1092	32.13	439.966	-2.193	-2.992	-46.03	-14750
41092_1092	41092	1092	-18.485	-455.475	-1.582	-14.201	44.679	14750.1
41092_1093	41092	1093	15.124	493.183	1.582	14.201	-24.812	-20703.3
41093_1093	41093	1093	-1.46	-493.413	-1.49	17.53	28.206	20703.28
41093_1094	41093	1094	-3.217	533.346	1.49	-17.53	-9.467	-27159.1
41094_1094	41094	1094	-2255.01	178.745	0.728	-4.723	-52.988	6861.781
41094_1095	41094	1095	2255.013	-152.545	-0.728	4.723	46.073	-5287.57
41095_1095	41095	1095	-2255.01	152.545	1.34	-3.288	-46.073	5287.569
41095_1096	41095	1096	2255.012	-131.764	-1.34	3.288	35.685	-4185.47
41096_1096	41096	1096	-2255	131.764	7.084	7.373	-35.685	4185.465
41096_1097	41096	1097	2255.002	-111.011	-7.084	-7.373	-19.161	-3245.64
41097_1097	41097	1097	-2255.1	94.348	-4.66	-2.54	19.161	3245.72
41097_1098	41097	1098	2255.098	-72.898	4.66	2.54	18.131	-2576.53
41098_1098	41098	1098	-2255.1	72.898	-1.843	0.679	-18.131	2576.532
41098_1099	41098	1099	2255.102	-51.448	1.843	-0.679	32.877	-2079.01
41099_1099	41099	1099	-2255.1	51.448	-1.843	0.679	-32.877	2079.008
41099_1100	41099	1100	2255.102	-29.999	1.843	-0.679	47.623	-1753.13
41100_1100	41100	1100	-2255	13.911	11.978	9.461	-47.623	1753.066
41100_1101	41100	1101	2254.999	2.176	-11.978	-9.461	-24.259	-1717.85
41101_1101	41101	1101	-2255	-2.176	11.896	9.399	24.259	1717.853
41101_1102	41101	1102	2254.999	18.235	-11.896	-9.399	-95.532	-1779
41102_1102	41102	1102	-2254.99	-18.235	-14.311	-11.276	95.532	1778.986
41102_1103	41102	1103	2254.985	34.326	14.311	11.276	-9.62	-1936.76
41103_1103	41103	1103	-2255.01	-34.326	-10.556	-8.051	9.62	1936.775
41103_1104	41103	1104	2255.006	50.417	10.556	8.051	53.751	-2191.13
41104_1104	41104	1104	-2255	-66.398	0.156	-2.234	-53.751	2191.128
41104_1105	41104	1105	2254.995	87.825	-0.156	2.234	52.508	-2807.55
41105_1105	41105	1105	-2254.99	-87.825	3.06	1.382	-52.508	2807.549

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41105_1106	41105	1106	2254.993	109.278	-3.06	-1.382	28.019	-3596.31
41106_1106	41106	1106	-2254.99	-109.278	3.06	1.382	-28.019	3596.314
41106_1107	41106	1107	2254.993	130.731	-3.06	-1.382	3.53	-4556.78
41107_1107	41107	1107	-2255.03	-146.942	-3.466	-2.58	-3.53	4556.82
41107_1108	41107	1108	2255.028	167.696	3.466	2.58	30.369	-5774.96
41108_1108	41108	1108	-2255.03	-167.696	-3.384	-2.368	-30.369	5774.962
41108_1109	41108	1109	2255.028	188.478	3.384	2.368	56.602	-7155.69
41109_1109	41109	1109	-2255.03	-188.478	-1.088	4.916	-56.602	7155.693
41109_1110	41109	1110	2255.031	214.678	1.088	-4.916	66.943	-9071.4
41110_1110	41110	1110	-11.776	493.375	1.626	-20.656	2.406	29739.23
41110_1111	41110	1111	16.453	-453.445	-1.626	20.656	-22.854	-23786.5
41111_1111	41111	1111	-29.002	452.815	1.737	17.103	18.852	23786.53
41111_1112	41111	1112	32.363	-415.111	-1.737	-17.103	-40.663	-18340.8
41112_1112	41112	1112	-44.737	402.493	-2.141	-3.915	42.337	18341.23
41112_1113	41112	1113	47.062	-364.314	2.141	3.915	-13.908	-13252
41113_1113	41113	1113	-48.607	289.1	-1.15	-0.951	23.247	608.686
41113_1114	41113	1114	49.618	-258.283	1.15	0.951	-9.738	2606.521
41114_1114	41114	1114	-55.341	238.976	0.03	6.721	9.625	-2606.62
41114_1115	41114	1115	55.584	-217.522	-0.03	-6.721	-9.873	4490.185
41115_1115	41115	1115	-58.052	216.876	0.157	-3.148	9.949	-4473.5
41115_1116	41115	1116	58.052	-180.548	-0.157	3.148	-12.263	7409.044
41116_1116	41116	1116	-58.052	158.925	-0.273	3.542	12.263	-7409.05
41116_1117	41116	1117	58.052	-131.255	0.273	-3.542	-9.19	9041.592
41117_1117	41117	1117	-58.052	131.255	-0.222	-4.493	9.19	-9041.59
41117_1118	41117	1118	58.052	-103.585	0.222	4.493	-6.698	10362.78
41118_1118	41118	1118	-58.052	80.132	-0.018	9.47	6.698	-10362.8
41118_1119	41118	1119	58.052	-52.439	0.018	-9.47	-6.498	11109.26
41119_1119	41119	1119	-58.052	52.439	0.085	-10.108	6.498	-11109.3
41119_1120	41119	1120	58.052	-24.77	-0.085	10.108	-7.451	11543.61
41120_1120	41120	1120	-58.052	-0.724	-0.241	4.601	7.451	-11543.6
41120_1121	41120	1121	58.052	30.482	0.241	-4.601	-4.535	11354.82
41121_1121	41121	1121	-58.053	-30.482	-0.194	-4.657	4.535	-11354.8
41121_1122	41121	1122	58.053	60.215	0.194	4.657	-2.194	10806.5
41122_1122	41122	1122	-58.053	-85.631	-0.118	4.511	2.194	-10806.5
41122_1123	41122	1123	58.053	113.322	0.118	-4.511	-0.87	9686.323
41123_1123	41123	1123	-58.053	-113.322	-0.067	-3.999	0.87	-9686.32
41123_1124	41123	1124	58.053	140.989	0.067	3.999	-0.12	8255.742
41124_1124	41124	1124	-58.053	-163.884	-0.295	6.019	0.12	-8255.74
41124_1125	41124	1125	58.053	191.575	0.295	-6.019	3.199	6254.412
41125_1125	41125	1125	-58.054	-191.575	-0.192	-5.044	-3.199	-6254.41
41125_1126	41125	1126	58.054	219.241	0.192	5.044	5.36	3943.498
41126_1126	41126	1126	-58.054	-239.453	-0.332	0.612	-5.36	-3943.5
41126_1127	41126	1127	58.054	273.759	0.332	-0.612	9.995	363.753
41127_1127	41127	1127	-54.94	-274.401	-0.268	0.4	-9.991	-380.444
41127_1128	41127	1128	54.715	294.169	0.268	-0.4	12.201	-1965.04
41128_1128	41128	1128	-47.886	-311.187	1.638	-3.38	-12.322	1965.019
41128_1129	41128	1129	46.953	339.628	-1.638	3.38	-6.935	-5790.22
41129_1129	41129	1129	-44.051	-341.909	4.24	8.476	6.214	6032.032
41129_1130	41129	1130	41.789	379.032	-4.24	-8.476	-62.501	-10815.5
41130_1130	41130	1130	-29.659	-396.353	-8.692	-6.317	61.552	10815.44
41130_1131	41130	1131	26.386	433.058	8.692	6.317	47.53	-16017.8
41131_1131	41131	1131	-14.464	-433.621	-8.64	7.742	-46.195	16017.81
41131_1132	41131	1132	9.903	472.614	8.64	-7.742	155.02	-21722.3

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41132_1132	41132	1132	-1966.25	167.28	34.59	16.247	-421.419	4939.689
41132_1133	41132	1133	1966.251	-141.839	-34.59	-16.247	92.815	-3471.37
41133_1133	41133	1133	-1966.29	141.839	32.053	11.768	-92.815	3471.392
41133_1134	41133	1134	1966.294	-122.798	-32.053	-11.768	-155.594	-2445.92
41134_1134	41134	1134	-1966.56	122.798	1.607	-26.1	155.594	2445.811
41134_1135	41134	1135	1966.555	-103.753	-1.607	26.1	-168.052	-1567.81
41135_1135	41135	1135	-1966.57	84.322	-3.739	0.299	168.052	1568.342
41135_1136	41135	1136	1966.57	-64.662	3.739	-0.299	-138.134	-972.285
41136_1136	41136	1136	-1966.56	64.662	-6.196	-0.916	138.134	972.285
41136_1137	41136	1137	1966.563	-45.002	6.196	0.916	-88.553	-533.531
41137_1137	41137	1137	-1966.57	45.002	-3.739	-0.249	88.553	533.531
41137_1138	41137	1138	1966.57	-25.341	3.739	0.249	-58.635	-252.103
41138_1138	41138	1138	-1966.63	8.712	-3.714	-0.171	58.635	252.113
41138_1139	41138	1139	1966.634	6.009	3.714	0.171	-36.386	-244.018
41139_1139	41139	1139	-1966.64	-6.009	-0.366	0.244	36.386	244.018
41139_1140	41139	1140	1966.637	20.754	0.366	-0.244	-34.188	-324.325
41140_1140	41140	1140	-1966.64	-20.754	-0.366	0.244	34.188	324.325
41140_1141	41140	1141	1966.637	35.5	0.366	-0.244	-31.991	-493.121
41141_1141	41141	1141	-1966.63	-35.5	-3.642	-0.577	31.991	493.121
41141_1142	41141	1142	1966.634	50.245	3.642	0.577	-10.131	-750.415
41142_1142	41142	1142	-1966.65	-67.095	0.211	0.97	10.131	750.42
41142_1143	41142	1143	1966.648	86.755	-0.211	-0.97	-11.823	-1365.95
41143_1143	41143	1143	-1966.65	-86.755	0.211	0.97	11.823	1365.947
41143_1144	41143	1144	1966.648	106.416	-0.211	-0.97	-13.516	-2138.79
41144_1144	41144	1144	-1966.65	-106.416	-2.246	-1.702	13.516	2138.785
41144_1145	41144	1145	1966.647	126.076	2.246	1.702	4.455	-3068.96
41145_1145	41145	1145	-1966.56	-142.348	-5.551	-0.754	-4.455	3068.945
41145_1146	41145	1146	1966.556	161.369	5.551	0.754	47.43	-4244.58
41146_1146	41146	1146	-1966.56	-161.369	-5.499	-0.64	-47.43	4244.582
41146_1147	41146	1147	1966.556	180.415	5.499	0.64	90.055	-5569.28
41147_1147	41147	1147	-1966.56	-180.415	-4.231	2.951	-90.055	5569.279
41147_1148	41147	1148	1966.559	205.861	4.231	-2.951	130.253	-7404.46
41148_1148	41148	1148	-42.136	423.747	0.255	-8.919	-6.388	24601.74
41148_1149	41148	1149	46.698	-384.777	-0.255	8.919	3.182	-19515.6
41149_1149	41149	1149	-57.275	383.345	0.326	6.405	-4.785	19515.55
41149_1150	41149	1150	60.548	-346.662	-0.326	-6.405	0.694	-14939.7
41150_1150	41150	1150	-71.093	331.338	-0.14	-1.418	-0.036	14939.84
41150_1151	41150	1151	73.355	-294.207	0.14	1.418	1.9	-10788.7
41151_1151	41151	1151	-72.775	208.279	-0.269	-1.077	-0.607	-1002.96
41151_1152	41151	1152	73.721	-179.435	0.269	1.077	3.775	3282.033
41152_1152	41152	1152	-77.747	160.778	-0.008	0.298	-3.811	-3282.02
41152_1153	41152	1153	77.975	-140.727	0.008	-0.298	3.875	4526.014
41153_1153	41153	1153	-79.568	139.832	0.01	-0.688	-3.872	-4526.01
41153_1154	41153	1154	79.568	-107.439	-0.01	0.688	3.73	6225.116
41154_1154	41154	1154	-79.572	87.836	0.153	2.995	-3.73	-6225.11
41154_1155	41154	1155	79.572	-61.902	-0.153	-2.995	2.051	7048.848
41155_1155	41155	1155	-79.572	61.902	0.225	-3.41	-2.051	-7048.85
41155_1156	41155	1156	79.572	-35.969	-0.225	3.41	-0.422	7587.25
41156_1156	41156	1156	-79.569	15.49	0.005	3.711	0.422	-7587.25
41156_1157	41156	1157	79.569	8.134	-0.005	-3.711	-0.475	7624.114
41157_1157	41157	1157	-79.569	-8.134	0.083	-3.743	0.475	-7624.11
41157_1158	41157	1158	79.569	31.733	-0.083	3.743	-1.306	7424.543
41158_1158	41158	1158	-79.571	-51.66	0.107	3.464	1.306	-7424.54

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41158_1159	41158	1159	79.571	75.283	-0.107	-3.464	-2.375	6788.422
41159_1159	41159	1159	-79.571	-75.283	0.184	-3.173	2.375	-6788.42
41159_1160	41159	1160	79.571	98.882	-0.184	3.173	-4.221	5916.553
41160_1160	41160	1160	-79.567	-118.877	-0.084	0.327	4.221	-5916.6
41160_1161	41160	1161	79.567	144.811	0.084	-0.327	-3.295	4465.992
41161_1161	41161	1161	-79.567	-144.811	-0.084	0.327	3.295	-4465.99
41161_1162	41161	1162	79.567	170.745	0.084	-0.327	-2.369	2730.058
41162_1162	41162	1162	-79.577	-189.701	0.423	0.498	2.369	-2730.02
41162_1163	41162	1163	79.577	222.094	-0.423	-0.498	-8.177	-99.593
41163_1163	41163	1163	-77.048	-222.984	0.405	0.383	8.182	99.593
41163_1164	41163	1164	76.821	243.035	-0.405	-0.383	-11.52	-2022.4
41164_1164	41164	1164	-71.054	-260.943	0.01	0.795	11.547	2022.401
41164_1165	41164	1165	70.108	289.787	-0.01	-0.795	-11.669	-5259.91
41165_1165	41165	1165	-66.913	-293.462	1.41	0.409	4.515	5603.773
41165_1166	41165	1166	64.666	330.342	-1.41	-0.409	-23.235	-9743.34
41166_1166	41166	1166	-53.868	-348.086	-0.833	-4.837	22.827	9743.327
41166_1167	41166	1167	50.616	384.532	0.833	4.837	-12.381	-14335.7
41167_1167	41167	1167	-40.008	-385.78	-0.764	6.447	13.604	14335.66
41167_1168	41167	1168	35.474	424.513	0.764	-6.447	-3.989	-19432.9
41168_1168	41168	1168	-1777.87	181.436	1.195	-1.46	-27.916	5068.23
41168_1169	41168	1169	1777.874	-156.171	-1.195	1.46	16.563	-3464.24
41169_1169	41169	1169	-1777.87	156.171	1.919	-0.049	-16.563	3464.24
41169_1170	41169	1170	1777.874	-137.041	-1.919	0.049	1.688	-2327.8
41170_1170	41170	1170	-1777.87	137.041	1.919	-0.049	-1.688	2327.801
41170_1171	41170	1171	1777.874	-117.912	-1.919	0.049	-13.187	-1339.65
41171_1171	41171	1171	-1777.82	100.963	0.252	0.287	13.187	1339.636
41171_1172	41171	1172	1777.816	-81.217	-0.252	-0.287	-15.204	-610.773
41172_1172	41172	1172	-1777.82	81.217	-2.016	-0.492	15.204	610.772
41172_1173	41172	1173	1777.815	-61.494	2.016	0.492	0.912	-40.513
41173_1173	41173	1173	-1777.82	61.494	0.252	-0.441	-0.912	40.514
41173_1174	41173	1174	1777.816	-41.748	-0.252	0.441	-1.106	372.54
41174_1174	41174	1174	-1777.83	24.038	0.897	-0.203	1.106	-372.535
41174_1175	41174	1175	1777.828	-9.228	-0.897	0.203	-6.486	472.352
41175_1175	41175	1175	-1777.83	9.228	-2.065	0.584	6.486	-472.352
41175_1176	41175	1176	1777.827	5.582	2.065	-0.584	5.909	483.292
41176_1176	41176	1176	-1777.83	-5.582	0.897	-0.221	-5.909	-483.293
41176_1177	41176	1177	1777.828	20.392	-0.897	0.221	0.528	405.355
41177_1177	41177	1177	-1777.83	-20.392	0.897	-0.221	-0.528	-405.355
41177_1178	41177	1178	1777.828	35.202	-0.897	0.221	-4.852	238.542
41178_1178	41178	1178	-1777.84	-52.837	-1.012	-0.064	4.852	-238.545
41178_1179	41178	1179	1777.835	72.559	1.012	0.064	3.235	-262.524
41179_1179	41179	1179	-1777.84	-72.559	1.257	0.271	-3.235	262.524
41179_1180	41179	1180	1777.835	92.305	-1.257	-0.271	-6.822	-922.112
41180_1180	41180	1180	-1777.84	-92.305	1.257	0.271	6.822	922.112
41180_1181	41180	1181	1777.835	112.051	-1.257	-0.271	-16.878	-1739.7
41181_1181	41181	1181	-1777.78	-129.047	-2.739	0.923	16.878	1739.736
41181_1182	41181	1182	1777.78	148.177	2.739	-0.923	4.355	-2814.21
41182_1182	41182	1182	-1777.78	-148.177	-2.739	0.923	-4.355	2814.207
41182_1183	41182	1183	1777.78	167.306	2.739	-0.923	25.589	-4036.96
41183_1183	41183	1183	-1777.78	-167.306	-3.463	-0.721	-25.589	4036.962
41183_1184	41183	1184	1777.778	192.572	3.463	0.721	58.498	-5746.76
41184_1184	41184	1184	-47.848	402.893	0.603	5.249	-12.956	20235.8
41184_1185	41184	1185	52.382	-364.191	-0.603	-5.249	5.374	-15414.3

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41185_1185	41185	1185	-62.452	362.6	0.529	-6.636	-4.154	15414.33
41185_1186	41185	1186	65.703	-326.124	-0.529	6.636	-2.484	-11093.8
41186_1186	41186	1186	-75.686	309.714	-0.675	-0.688	1.93	11093.86
41186_1187	41186	1187	77.932	-272.834	0.675	0.688	7.025	-7228.18
41187_1187	41187	1187	-84.387	187.364	-0.135	-0.854	6.317	-4293.97
41187_1188	41187	1188	85.354	-157.901	0.135	0.854	-4.726	6323.463
41188_1188	41188	1188	-88.913	138.596	-0.151	-2.564	4.725	-6323.52
41188_1189	41188	1189	89.145	-118.135	0.151	2.564	-3.478	7381.489
41189_1189	41189	1189	-90.483	117.113	-0.193	0.818	3.449	-7394.91
41189_1190	41189	1190	90.483	-82.571	0.193	-0.818	-0.796	8768.046
41190_1190	41190	1190	-90.488	62.012	0.168	-4.65	0.796	-8767.96
41190_1191	41190	1191	90.488	-34.379	-0.168	4.65	-2.642	9298.218
41191_1191	41191	1191	-90.488	34.379	0.086	3.799	2.642	-9298.22
41191_1192	41191	1192	90.488	-6.745	-0.086	-3.799	-3.583	9524.445
41192_1192	41192	1192	-90.487	-14.748	0.034	4.453	3.583	-9524.41
41192_1193	41192	1193	90.487	40.146	-0.034	-4.453	-3.927	9246.861
41193_1193	41193	1193	-90.487	-40.146	0.124	-4.69	3.927	-9246.86
41193_1194	41193	1194	90.487	65.543	-0.124	4.69	-5.176	8712.499
41194_1194	41194	1194	-90.485	-86.236	-0.053	0.186	5.176	-8712.59
41194_1195	41194	1195	90.485	111.634	0.053	-0.186	-4.637	7712.135
41195_1195	41195	1195	-90.485	-111.634	-0.053	0.186	4.637	-7712.14
41195_1196	41195	1196	90.485	137.033	0.053	-0.186	-4.098	6454.852
41196_1196	41196	1196	-90.485	-158.435	0.019	-1.683	4.098	-6454.77
41196_1197	41196	1197	90.485	186.068	-0.019	1.683	-4.305	4559.624
41197_1197	41197	1197	-90.485	-186.068	-0.065	2.547	4.305	-4559.62
41197_1198	41197	1198	90.485	213.677	0.065	-2.547	-3.589	2362.542
41198_1198	41198	1198	-90.495	-233.991	0.369	0.749	3.589	-2362.56
41198_1199	41198	1199	90.495	268.533	-0.369	-0.749	-8.665	-1093.02
41199_1199	41199	1199	-87.379	-269.564	0.347	0.484	8.672	1119.057
41199_1200	41199	1200	87.132	290.89	-0.347	-0.484	-11.537	-3431.52
41200_1200	41200	1200	-80.164	-311.012	0.721	1.42	11.584	3431.534
41200_1201	41200	1201	79.14	341.673	-0.721	-1.42	-20.057	-7268.55
41201_1201	41201	1201	-70.685	-345.649	3.445	0.583	18.065	7558.741
41201_1202	41201	1202	68.202	385.825	-3.445	-0.583	-63.774	-12409.7
41202_1202	41202	1202	-55.337	-407.451	-2.546	1.802	64.037	12409.91
41202_1203	41202	1203	51.764	447.065	2.546	-1.802	-32.08	-17771.4
41203_1203	41203	1203	-39.375	-448.327	-2.546	0.914	32.118	17771.44
41203_1204	41203	1204	34.427	490.199	2.546	-0.914	-0.069	-23676.6
41204_1204	41204	1204	-2121.06	192.47	6.039	1.3	-61.68	6123.102
41204_1205	41204	1205	2121.064	-164.82	-6.039	-1.3	4.299	-4425.64
41205_1205	41205	1205	-2121.07	164.82	4.615	-2.238	-4.299	4165.629
41205_1206	41205	1206	2121.067	-143.771	-4.615	2.238	-31.425	-2971.13
41206_1206	41206	1206	-2121.07	143.771	4.671	-2.159	31.425	2971.128
41206_1207	41206	1207	2121.067	-122.696	-4.671	2.159	-67.634	-1938.35
41207_1207	41207	1207	-2120.78	103.202	-7.251	-1.429	67.634	1938.4
41207_1208	41207	1208	2120.778	-81.447	7.251	1.429	-9.611	-1199.64
41208_1208	41208	1208	-2120.79	81.447	-4.601	0.069	9.611	1199.637
41208_1209	41208	1209	2120.785	-59.692	4.601	-0.069	27.207	-634.971
41209_1209	41209	1209	-2120.79	59.692	-4.601	0.069	-27.207	634.971
41209_1210	41209	1210	2120.785	-37.936	4.601	-0.069	64.026	-244.381
41210_1210	41210	1210	-2120.91	19.387	-3.228	-0.183	-64.026	244.385
41210_1211	41210	1211	2120.911	-3.071	3.228	0.183	83.401	-176.995
41211_1211	41211	1211	-2120.91	3.071	0.305	0.112	-83.401	176.996

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41211_1212	41211	1212	2120.914	13.246	-0.305	-0.112	81.572	-207.527
41212_1212	41212	1212	-2120.91	-13.246	0.234	0.105	-81.572	207.527
41212_1213	41212	1213	2120.914	29.535	-0.234	-0.105	80.17	-335.681
41213_1213	41213	1213	-2120.91	-29.535	-3.228	-0.443	-80.17	335.681
41213_1214	41213	1214	2120.911	45.852	3.228	0.443	99.545	-561.894
41214_1214	41214	1214	-2121.05	-64.412	5.634	0.374	-99.545	561.891
41214_1215	41214	1215	2121.048	86.167	-5.634	-0.374	54.467	-1164.33
41215_1215	41215	1215	-2121.05	-86.167	2.983	-1.081	-54.467	1164.326
41215_1216	41215	1216	2121.054	107.923	-2.983	1.081	30.595	-1940.86
41216_1216	41216	1216	-2121.05	-107.923	5.634	1.344	-30.595	1940.859
41216_1217	41216	1217	2121.048	129.678	-5.634	-1.344	-14.483	-2891.45
41217_1217	41217	1217	-2120.86	-148.674	-2.936	-0.263	14.483	2891.457
41217_1218	41217	1218	2120.859	169.75	2.936	0.263	8.279	-4125.61
41218_1218	41218	1218	-2120.86	-169.75	-2.993	-0.373	-8.279	4125.614
41218_1219	41218	1219	2120.859	190.798	2.993	0.373	31.451	-5521.23
41219_1219	41219	1219	-2120.86	-190.798	-1.569	3.143	-31.451	5781.214
41219_1220	41219	1220	2120.86	218.449	1.569	-3.143	46.357	-7725.53
41220_1220	41220	1220	-24.896	467.838	2.963	-50.591	9.397	25739.15
41220_1221	41220	1221	29.844	-425.969	-2.963	50.591	-46.704	-20115.8
41221_1221	41221	1221	-41.602	424.979	3.346	44.28	36.614	20115.84
41221_1222	41221	1222	45.175	-385.37	-3.346	-44.28	-78.607	-15032.2
41222_1222	41222	1222	-56.661	371.975	-3.877	-3.531	82.642	15030.62
41222_1223	41222	1223	59.144	-331.775	3.877	3.531	-31.172	-10360.8
41223_1223	41223	1223	-70.191	244.84	-0.476	-4.189	10.193	-2037.56
41223_1224	41223	1224	71.236	-213.575	0.476	4.189	-4.596	4731.845
41224_1224	41224	1224	-76.138	189.932	0.114	12.567	4.308	-4731.52
41224_1225	41224	1225	76.39	-168.182	-0.114	-12.567	-5.247	6208.788
41225_1225	41225	1225	-78.332	167.285	0.399	-10.169	5.393	-6219.71
41225_1226	41225	1226	78.332	-122.429	-0.399	10.169	-11.943	8596.826
41226_1226	41226	1226	-78.32	95.262	0.161	23.1	11.943	-8595.44
41226_1227	41226	1227	78.32	-61.53	-0.161	-23.1	-13.931	9562.858
41227_1227	41227	1227	-78.318	61.53	0.542	-23.469	13.931	-9562.86
41227_1228	41227	1228	78.318	-27.825	-0.542	23.469	-20.62	10113.76
41228_1228	41228	1228	-78.301	-0.325	0.329	16.376	20.62	-10111.3
41228_1229	41228	1229	78.301	34.058	-0.329	-16.376	-24.678	9899.131
41229_1229	41229	1229	-78.299	-34.058	0.584	-15.835	24.678	-9899.13
41229_1230	41229	1230	78.299	67.766	-0.584	15.835	-31.875	9271.299
41230_1230	41230	1230	-78.25	-95.593	-0.073	13.292	31.875	-9267.87
41230_1231	41230	1231	78.25	129.304	0.073	-13.292	-30.972	7881.062
41231_1231	41231	1231	-78.25	-129.304	0.182	-12.417	30.972	-7881.06
41231_1232	41231	1232	78.25	162.991	-0.182	12.417	-33.215	6079.991
41232_1232	41232	1232	-78.296	-187.609	1.546	9.92	33.215	-6078.23
41232_1233	41232	1233	78.296	214.626	-1.546	-9.92	-48.491	4090.451
41233_1233	41233	1233	-78.291	-214.626	1.795	-3.103	48.491	-4090.46
41233_1234	41233	1234	78.291	245.993	-1.795	3.103	-69.089	1447.582
41234_1234	41234	1234	-76.911	-246.425	2.148	-10.02	69.034	-1447.55
41234_1235	41234	1235	76.862	255.19	-2.148	10.02	-75.783	659.523
41235_1235	41235	1235	-59.251	-269.69	1.093	-1.511	86.928	-1122.91
41235_1236	41235	1236	58.66	289.973	-1.093	1.511	-94.741	-877.066
41236_1236	41236	1236	-59.523	-289.797	1.231	0.577	94.793	877.062
41236_1237	41236	1237	58.797	317.612	-1.231	-0.577	-106.76	-3828.86
41237_1237	41237	1237	-50.671	-319.008	1.416	8.379	107.284	3828.834
41237_1238	41237	1238	49.83	335.278	-1.416	-8.379	-114.052	-5392.56

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41238_1238	41238	1238	-43.249	-354.465	6.102	-12.443	112.881	5390.534
41238_1239	41238	1239	40.698	391.738	-6.102	12.443	-178.449	-9398.35
41239_1239	41239	1239	-31.346	-392.593	6.297	10.366	180.602	9398.31
41239_1240	41239	1240	27.713	431.9	-6.297	-10.366	-249.666	-13918.2
41240_1240	41240	1240	-10.779	-458.814	-30.34	-22.88	246.669	13912.07
41240_1241	41240	1241	5.535	503.397	30.34	22.88	114.844	-19642.3
41241_1241	41241	1241	-1974.89	232.137	-8.553	16.723	302.931	4960.48
41241_1242	41241	1242	1974.885	-200.551	8.553	-16.723	-221.65	-2904.53
41242_1242	41242	1242	-1974.89	200.551	-6.366	19.939	221.65	2904.506
41242_1243	41242	1243	1974.893	-190.195	6.366	-19.939	-201.504	-2286.23
41243_1243	41243	1243	-1972.7	170.218	-32.636	-3.803	201.504	2284.152
41243_1244	41243	1244	1972.704	-140.063	32.636	3.803	99.211	-854.667
41244_1244	41244	1244	-1972.8	140.063	-26.195	-1.012	-99.211	854.675
41244_1245	41244	1245	1972.8	-106.001	26.195	1.012	371.851	425.827
41245_1245	41245	1245	-1973.23	90.672	-15.086	1.195	-371.851	-425.589
41245_1246	41245	1246	1973.227	-58.768	15.086	-1.195	518.912	1153.999
41246_1246	41246	1246	-1973.27	58.768	-8.71	-2.534	-518.912	-1154
41246_1247	41246	1247	1973.265	-26.431	8.71	2.534	604.977	1574.915
41247_1247	41247	1247	-1973.38	7.664	-0.149	2.114	-604.977	-1574.28
41247_1248	41247	1248	1973.383	22.056	0.149	-2.114	606.333	1508.932
41248_1248	41248	1248	-1973.38	-22.056	3.732	-0.854	-606.333	-1508.93
41248_1249	41248	1249	1973.379	56.538	-3.732	0.854	567.011	1094.902
41249_1249	41249	1249	-1972.22	-76.482	-10.646	1.497	-567.011	-1094.57
41249_1250	41249	1250	1972.215	110.316	10.646	-1.497	677.07	129.012
41250_1250	41250	1250	-1972.24	-110.316	-2.726	0.979	-677.07	-129.017
41250_1251	41250	1251	1972.242	140.712	2.726	-0.979	702.388	-1036.75
41251_1251	41251	1251	-1975.13	-168.925	62.811	-4.948	-702.388	1036.343
41251_1252	41251	1252	1975.131	202.086	-62.811	4.948	65.961	-2915.97
41252_1252	41252	1252	-1974.93	-202.086	68.816	3.918	-65.961	2915.969
41252_1253	41252	1253	1974.93	238.769	-68.816	-3.918	-705.371	-5386.66
41253_1253	41253	1253	-1974.98	-238.769	67.405	0.071	705.371	5386.664
41253_1254	41253	1254	1974.979	249.274	-67.405	-0.071	-918.421	-6157.95
41254_1254	41254	1254	-1970.01	-277.904	-36.62	-39.697	918.421	6155.088
41254_1255	41254	1255	1970.007	298.956	36.62	39.697	-686.471	-7981.98
41255_1255	41255	1255	-15.852	428.002	-51.286	-0.51	682.636	23166.73
41255_1256	41255	1256	19.579	-397.394	51.286	0.51	-266.104	-19815.6
41256_1256	41256	1256	-26.299	397.023	-51.152	34.207	261.952	19815.67
41256_1257	41256	1257	29.086	-370.455	51.152	-34.207	109.914	-17026.4
41257_1257	41257	1257	-39.646	356.894	13.851	-24.375	-104.048	17022.75
41257_1258	41257	1258	42.793	-320.07	-13.851	24.375	-39.769	-13509.3
41258_1258	41258	1258	-50.783	318.89	14.056	14.173	36.764	13509.33
41258_1259	41258	1259	53.399	-275.429	-14.056	-14.173	-214.456	-9754.07
41259_1259	41259	1259	-112.195	261.993	1.763	7.765	3.947	-3180.87
41259_1260	41259	1260	113.256	-231.077	-1.763	-7.765	-22.547	5781.626
41260_1260	41260	1260	-118.274	228.547	2.033	-5.62	22.872	-5781.63
41260_1261	41260	1261	118.616	-201.068	-2.033	5.62	-42.087	7811.834
41261_1261	41261	1261	-121.105	199.578	2.094	-9.526	42.014	-7781.14
41261_1262	41261	1262	121.105	-190.53	-2.094	9.526	-48.645	8398.922
41262_1262	41262	1262	-121.044	162.287	-0.162	18.75	48.645	-8397.66
41262_1263	41262	1263	121.044	-130.531	0.162	-18.75	-46.85	10024.99
41263_1263	41263	1263	-121.043	130.531	0.262	-16.355	46.85	-10025
41263_1264	41263	1264	121.043	-96.435	-0.262	16.355	-49.98	11379.35
41264_1264	41264	1264	-121.046	67.175	1.004	22.237	49.98	-11378.2

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41264_1265	41264	1265	121.046	-34.1	-1.004	-22.237	-61.607	11964.46
41265_1265	41265	1265	-121.041	34.1	1.44	-20.792	61.607	-11964.5
41265_1266	41265	1266	121.041	-1.3	-1.44	20.792	-78.137	12167.67
41266_1266	41266	1266	-121.027	-28.902	0.244	14.989	78.137	-12167.1
41266_1267	41266	1267	121.027	62.265	-0.244	-14.989	-80.982	11634.77
41267_1267	41267	1267	-121.026	-62.265	0.542	-13.702	80.982	-11634.8
41267_1268	41267	1268	121.026	94.746	-0.542	13.702	-87.145	10742.24
41268_1268	41268	1268	-121.02	-124.17	2.071	14.332	87.145	-10742.3
41268_1269	41268	1269	121.02	161.454	-2.071	-14.332	-114.174	8878.579
41269_1269	41269	1269	-121.012	-161.454	2.466	-14.62	114.174	-8878.58
41269_1270	41269	1270	121.012	194.17	-2.466	14.62	-142.41	6842.399
41270_1270	41270	1270	-121.014	-221.146	-4.871	8.648	142.41	-6842.37
41270_1271	41270	1271	121.014	247.332	4.871	-8.648	-97.765	4695.421
41271_1271	41271	1271	-121.026	-247.332	-4.562	-3.358	97.765	-4695.43
41271_1272	41271	1272	121.026	279.211	4.562	3.358	-46.866	1757.8
41272_1272	41272	1272	-119.166	-280.014	-4.255	-7.049	46.82	-1788.46
41272_1273	41272	1273	119.08	292.924	4.255	7.049	-29.07	593.308
41273_1273	41273	1273	-114.355	-322.552	18.696	-1.748	29.087	-593.381
41273_1274	41273	1274	113.863	347.254	-18.696	1.748	-177.786	-2070.23
41274_1274	41274	1274	-107.819	-349.169	18.871	-1.806	177.841	2070.228
41274_1275	41274	1275	106.9	373.852	-18.871	1.806	-326.518	-4918.17
41275_1275	41275	1275	-101.956	-375.208	19.318	10.295	327.288	4906.741
41275_1276	41275	1276	101.205	390.148	-19.318	-10.295	-408.066	-6506.88
41276_1276	41276	1276	-22.324	-470.086	-82.706	-62.776	540.12	19950.58
41276_1277	41276	1277	19.433	512.884	82.706	62.776	433.284	-25733.6
41277_1277	41277	1277	-6.046	-513.25	-82.497	47.987	-425.441	25733.81
41277_1278	41277	1278	1.472	561.694	82.497	-47.987	1482.083	-32615.4
41278_1278	41278	1278	10.629	-547.865	132.87	-82.229	-1500.28	32615.83
41278_1279	41278	1279	-15.169	585.987	-132.87	82.229	218.638	-38083
41279_1279	41279	1279	-2671.64	328.49	47.009	42.235	-825.78	13026.85
41279_1280	41279	1280	2671.641	-295.446	-47.009	-42.235	379.08	-10062.4
41280_1280	41280	1280	-2671.62	295.446	48.493	52.078	-379.08	10296.83
41280_1281	41280	1281	2671.615	-277.909	-48.493	-52.078	116.235	-8742.96
41281_1281	41281	1281	-2671.62	254.649	-25.164	-10.54	-116.235	8742.926
41281_1282	41281	1282	2671.615	-218.237	25.164	10.54	427.255	-5820.6
41282_1282	41282	1282	-2671.68	218.237	-17.175	6.866	-427.255	5820.609
41282_1283	41282	1283	2671.678	-182.464	17.175	-6.866	635.804	-3387.83
41283_1283	41283	1283	-2671.67	138.999	13.884	-3.277	-635.804	3387.842
41283_1284	41283	1284	2671.673	-102.45	-13.884	3.277	463.56	-1890.14
41284_1284	41284	1284	-2671.61	102.45	22.556	2.858	-463.56	1890.14
41284_1285	41284	1285	2671.614	-70.758	-22.556	-2.858	220.916	-958.512
41285_1285	41285	1285	-2671.49	32.662	28.963	-1.372	-220.916	958.338
41285_1286	41285	1286	2671.491	0.305	-28.963	1.372	-103.189	-777.299
41286_1286	41286	1286	-2671.39	-0.305	36.97	0.958	103.189	777.3
41286_1287	41286	1287	2671.392	30.953	-36.97	-0.958	-487.792	-939.893
41287_1287	41287	1287	-2671.67	-68.793	-22.363	-4.218	487.792	939.938
41287_1288	41287	1288	2671.667	107.379	22.363	4.218	-194.891	-2093.63
41288_1288	41288	1288	-2671.73	-107.379	-13.169	2.987	194.891	2093.634
41288_1289	41288	1289	2671.728	140.44	13.169	-2.987	-47.105	-3484.15
41289_1289	41289	1289	-2671.75	-175.657	-3.177	-0.385	47.105	3484.203
41289_1290	41289	1290	2671.752	187.455	3.177	0.385	-34.384	-4211.29
41290_1290	41290	1290	-2671.75	-187.455	0.672	5.622	34.384	3976.835
41290_1291	41290	1291	2671.754	217.743	-0.672	-5.622	-40.766	-5901.5

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41291_1291	41291	1291	56.712	744.204	23.155	-13.989	-184.717	27777.09
41291_1292	41291	1292	-53.609	-716.913	-23.155	13.989	12.414	-22341.4
41292_1292	41292	1292	32.373	686.59	2.482	-33.62	-11.017	22341.9
41292_1293	41292	1293	-28.446	-641.866	-2.482	33.62	-20.458	-13921.4
41293_1293	41293	1293	8.767	642.436	2.609	29.11	15.808	13921.46
41293_1294	41293	1294	-6.599	-604.384	-2.609	-29.11	-45.003	-6945.81
41294_1294	41294	1294	7.542	571.209	-3.854	-12.582	104.796	7912.341
41294_1295	41294	1295	-6.748	-547.8	3.854	12.582	-77.614	-3966.47
41295_1295	41295	1295	-3.907	547.828	-3.807	1.34	77.131	3967.668
41295_1296	41295	1296	4.205	-527.222	3.807	-1.34	-49.882	-120.349
41296_1296	41296	1296	-11.489	527.114	-3.795	0.777	49.896	120.348
41296_1297	41296	1297	11.506	-501.853	3.795	-0.777	-16.523	4404.341
41297_1297	41297	1297	-11.846	462.532	0.015	20.587	16.523	-4404.36
41297_1298	41297	1298	11.846	-450.894	-0.015	-20.587	-16.585	6255.1
41298_1298	41298	1298	-11.846	450.894	0.034	10.486	16.585	-6255.13
41298_1299	41298	1299	11.846	-422.752	-0.034	-10.486	-16.875	9953.162
41299_1299	41299	1299	-11.846	422.752	0.072	-21.395	16.875	-9953.15
41299_1300	41299	1300	11.846	-382.91	-0.072	21.395	-17.74	14781.24
41300_1300	41300	1300	-11.844	336.387	1.068	36.37	17.74	-14781.3
41300_1301	41300	1301	11.844	-292.629	-1.068	-36.37	-31.797	18921.25
41301_1301	41301	1301	-11.84	292.629	1.115	-39.457	31.797	-18921.2
41301_1302	41301	1302	11.84	-254.971	-1.115	39.457	-44.432	22022.97
41302_1302	41302	1302	-11.839	203.099	-0.528	54.299	44.432	-22023
41302_1303	41302	1303	11.839	-158.346	0.528	-54.299	-37.329	24455.98
41303_1303	41303	1303	-11.841	158.346	-0.472	-60.415	37.329	-24456
41303_1304	41303	1304	11.841	-121.644	0.472	60.415	-32.118	26001.63
41304_1304	41304	1304	-11.84	67.391	0.648	52.986	32.118	-26001.8
41304_1305	41304	1305	11.84	-23.958	-0.648	-52.986	-40.579	26598.53
41305_1305	41305	1305	-11.838	23.958	0.695	-52.802	40.579	-26598.5
41305_1306	41305	1306	11.838	14.041	-0.695	52.802	-48.521	26655.21
41306_1306	41306	1306	-11.838	-67.55	-1.133	50.431	48.521	-26655.2
41306_1307	41306	1307	11.838	106.984	1.133	-50.431	-35.075	25620
41307_1307	41307	1307	-11.842	-106.984	-1.092	-39.045	35.075	-25620
41307_1308	41307	1308	11.842	148.989	1.092	39.045	-21.275	24002.76
41308_1308	41308	1308	-11.842	-199.724	0.822	45.731	21.275	-24002.8
41308_1309	41308	1309	11.842	240.158	-0.822	-45.731	-31.269	21327.58
41309_1309	41309	1309	-11.839	-240.158	0.867	-36.023	31.269	-21327.6
41309_1310	41309	1310	11.839	281.182	-0.867	36.023	-41.969	18110.7
41310_1310	41310	1310	-11.838	-327.573	-0.059	30.239	41.969	-18110.7
41310_1311	41310	1311	11.838	370.155	0.059	-30.239	-41.214	13641.88
41311_1311	41311	1311	-11.838	-370.155	-0.014	-21.987	41.214	-13641.9
41311_1312	41311	1312	11.838	412.644	0.014	21.987	-41.039	8639.253
41312_1312	41312	1312	-11.845	-447.799	-2.286	4.891	41.039	-8639.27
41312_1313	41312	1313	11.845	507.477	2.286	-4.891	0	64.453

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1	2	3	4	5	6	7	8	9	14
1000_1000	1000	1000	61.084	425.706	0.167	-7.634	0	-342.56	1
1000_1001	1000	1001	-18.947	-368.878	-0.167	7.634	-2.847	6904.883	1
1001_1001	1001	1001	18.942	368.872	0.163	4.746	2.847	-6904.86	1
1001_1002	1001	1002	3.009	-332.603	-0.163	-4.746	-4.616	10610.65	1
1002_1002	1002	1002	-3.06	308.045	0.656	-7.173	4.616	-10609.8	1
1002_1003	1002	1003	22.617	-267.3	-0.656	7.173	-12.615	14027.68	1
1003_1003	1003	1003	-22.616	267.295	0.654	3.549	12.615	-14027.7	1
1003_1004	1003	1004	37.314	-226.546	-0.654	-3.549	-20.593	16971.39	1
1004_1004	1004	1004	-37.26	206.176	0.53	-9.016	20.593	-16970.1	1
1004_1005	1004	1005	50.513	-165.416	-0.53	9.016	-27.052	19175.77	1
1005_1005	1005	1005	-50.514	165.41	0.528	5.742	27.052	-19175.8	1
1005_1006	1005	1006	58.905	-124.646	-0.528	-5.742	-33.488	20906.85	1
1006_1006	1006	1006	-58.909	100.406	0.093	-9.307	33.488	-20905.6	1
1006_1007	1006	1007	65.457	-59.664	-0.093	9.307	-34.621	21851.95	1
1007_1007	1007	1007	-65.457	59.659	0.091	7.546	34.621	-21852	1
1007_1008	1007	1008	67.146	-18.913	-0.091	-7.546	-35.731	22324	1
1008_1008	1008	1008	-67.137	-5.96	0.362	-7.476	35.731	-22323.2	1
1008_1009	1008	1009	67.349	46.685	-0.362	7.476	-40.144	22002.27	1
1009_1009	1009	1009	-67.349	-46.69	0.361	7.437	40.144	-22002.3	1
1009_1010	1009	1010	62.7	87.452	-0.361	-7.437	-44.543	21206.52	1
1010_1010	1010	1010	-62.699	-112.299	0.007	-15.253	44.543	-21206.1	1
1010_1011	1010	1011	56.461	153.036	-0.007	15.253	-44.633	19618.62	1
1011_1011	1011	1011	-56.461	-153.041	0.003	16.718	44.633	-19618.6	1
1011_1012	1011	1012	45.374	193.753	-0.003	-16.718	-44.675	17558.33	1
1012_1012	1012	1012	-45.375	-219.391	-0.672	6.802	44.675	-17558.3	1
1012_1013	1012	1013	31.917	260.14	0.672	-6.802	-36.483	14697.74	1
1013_1013	1013	1013	-31.918	-260.145	-0.67	-4.358	36.483	-14697.7	1
1013_1014	1013	1014	13.602	300.89	0.67	4.358	-28.315	11363.09	1
1014_1014	1014	1014	-13.599	-326.189	0.401	3.921	28.315	-11363.1	1
1014_1015	1014	1015	-16.129	382.109	-0.401	-3.921	-35.018	5575.598	1
1015_1015	1015	1015	14.334	-380.921	0.426	-2.627	35.965	-5535.78	1
1015_1016	1015	1016	-35.339	406.886	-0.426	2.626	-39.477	2365.218	1
1016_1016	1016	1016	70.952	-427.977	3.518	-0.432	32.669	-2496.97	1
1016_1017	1016	1017	-100.649	465.203	-3.518	0.408	-74.01	-2621.76	1.06
1017_1017	1017	1017	113.585	-463.128	3.522	1.099	74.186	2621.383	1.06
1017_1018	1017	1018	-142.056	507.983	-3.522	-1.139	-120.948	-8913.6	1.02
1018_1018	1018	1018	157.737	-523.548	-2.747	-10.212	120.212	8913.845	1.02
1018_1019	1018	1019	-177.157	567.848	2.747	10.278	-85.749	-15611.7	1.01
1019_1019	1019	1019	192.519	-564.808	-2.742	12.222	88.356	15612.44	1.01
1019_1020	1019	1020	-206.271	611.733	2.742	-12.149	-53.824	-22865.5	1
1020_1020	1020	1020	-2136.8	174.482	-4.908	-3.276	160.034	3992.955	1
1020_1021	1020	1021	2156.538	-143.779	4.908	3.276	-113.397	-2560.13	1
1021_1021	1021	1021	-2151.54	143.685	-2.235	-0.439	111.445	2535.748	1
1021_1022	1021	1022	2165.974	-120.764	2.235	0.439	-94.122	-1569.01	1
1022_1022	1022	1022	-2165.98	120.752	0.53	1.443	94.122	1569.008	1
1022_1023	1022	1023	2178.192	-97.834	-0.53	-1.443	-98.232	-771.2	1
1023_1023	1023	1023	-2178.17	79.049	-10.622	-0.487	98.232	771.186	1
1023_1024	1023	1024	2188.377	-55.39	10.622	0.487	-13.262	-274.519	1
1024_1024	1024	1024	-2188.38	55.378	-10.622	-0.487	13.262	274.519	1
1024_1025	1024	1025	2196.23	-31.718	10.622	0.487	71.708	42.275	1
1025_1025	1025	1025	-2196.24	28.327	-7.942	-0.422	-71.708	-42.275	1
1025_1026	1025	1026	2199.335	-4.67	7.942	0.422	135.231	161.813	1
1026_1026	1026	1026	-2199.34	-12.373	-5.022	-0.498	-135.231	-161.806	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1026_1027	1026	1027	2200.484	30.108	5.022	0.498	165.347	29.836	1
1027_1027	1027	1027	-2200.49	-30.117	-1.057	-0.329	-165.347	-29.835	1
1027_1028	1027	1028	2200.308	47.878	1.057	0.329	171.694	-203.622	1
1028_1028	1028	1028	-2200.31	-47.887	-1.446	-0.388	-171.694	203.622	1
1028_1029	1028	1029	2198.8	65.619	1.446	0.388	180.366	-537.806	1
1029_1029	1029	1029	-2198.8	-65.628	-1.057	-0.27	-180.366	537.806	1
1029_1030	1029	1030	2195.962	83.389	1.057	0.27	186.713	-973.826	1
1030_1030	1030	1030	-2195.95	-100.091	7.812	-0.319	-186.713	973.822	1
1030_1031	1030	1031	2190.59	123.738	-7.812	0.319	124.253	-1847.06	1
1031_1031	1031	1031	-2190.59	-123.75	8.099	-0.066	-124.253	1847.063	1
1031_1032	1031	1032	2182.864	147.426	-8.099	0.066	59.422	-2901.4	1
1032_1032	1032	1032	-2182.87	-147.438	7.812	-0.452	-59.422	2901.403	1
1032_1033	1032	1033	2172.792	171.085	-7.812	0.452	-3.039	-4134.22	1
1033_1033	1033	1033	-2172.84	-188.046	-5.68	-25.114	3.039	4134.363	1
1033_1034	1033	1034	2160.935	210.974	5.68	25.114	40.998	-5633.19	1
1034_1034	1034	1034	-2160.94	-210.986	-2.913	-18.059	-40.998	5633.217	1
1034_1035	1034	1035	2146.818	233.911	2.913	18.059	63.576	-7300.73	1
1035_1035	1035	1035	-2152.48	-234.007	17.887	49.971	-62.827	7328.618	1
1035_1036	1035	1036	2133.158	264.709	-17.887	-49.971	-107.131	-9620.3	1.02
1036_1036	1036	1036	171.928	502.318	2.088	-10.506	-9.731	30048.65	1.02
1036_1037	1036	1037	-162.468	-455.382	-2.088	10.547	-16.556	-24148.7	1.02
1037_1037	1037	1037	150.083	457.429	2.12	7.48	14.604	24147.96	1.02
1037_1038	1037	1038	-136.231	-413.085	-2.12	-7.443	-41.213	-18808.4	1.02
1038_1038	1038	1038	123.935	401.423	-3.067	-3.259	41.999	18809	1.02
1038_1039	1038	1039	-102.794	-356.578	3.067	3.229	-1.313	-13908.1	1.03
1039_1039	1039	1039	599.161	351.545	-1.282	1.386	17.244	11190.73	1.03
1039_1040	1039	1040	-590.783	-314.003	1.282	-1.353	-2.171	-7428.24	1.04
1040_1040	1040	1040	584.207	299.669	0.333	-0.085	2.255	7429.44	1.04
1040_1041	1040	1041	-552.452	-273.761	-0.333	0.073	-5.002	-5229.42	1.06
1041_1041	1041	1041	637.119	275.606	0.065	-0.554	9.097	4801.733	1.06
1041_1042	1041	1042	-539.262	-228.992	-0.065	0.554	-10.159	-1117.36	1
1042_1042	1042	1042	539.261	207.661	-0.056	2.003	10.159	1117.398	1
1042_1043	1042	1043	-471.831	-173.416	0.056	-2.003	-9.492	867.199	1
1043_1043	1043	1043	471.831	173.422	-0.007	-2.525	9.492	-867.199	1
1043_1044	1043	1044	-410.151	-139.179	0.007	2.525	-9.408	2464.418	1
1044_1044	1044	1044	410.163	114.454	0.168	2.744	9.408	-2464.47	1
1044_1045	1044	1045	-354.549	-80.216	-0.168	-2.744	-11.415	3378.91	1
1045_1045	1045	1045	354.549	80.222	0.216	-2.907	11.415	-3378.91	1
1045_1046	1045	1046	-304.68	-45.986	-0.216	2.907	-14.004	3906.205	1
1046_1046	1046	1046	304.688	23.211	-0.165	2.502	14.004	-3906.31	1
1046_1047	1046	1047	-257.139	11.049	0.165	-2.502	-12.021	3759.657	1
1047_1047	1047	1047	257.139	-11.044	-0.121	-2.19	12.021	-3759.66	1
1047_1048	1047	1048	-215.375	45.273	0.121	2.19	-10.577	3226.041	1
1048_1048	1048	1048	215.38	-67.405	0.007	3.106	10.577	-3226.1	1
1048_1049	1048	1049	-176.471	101.661	-0.007	-3.106	-10.665	2027.902	1
1049_1049	1049	1049	176.472	-101.655	0.101	-2.36	10.665	-2027.9	1
1049_1050	1049	1050	-143.341	135.877	-0.101	2.36	-11.875	443.893	1
1050_1050	1050	1050	143.332	-156.434	-0.179	-0.365	11.875	-443.872	1
1050_1051	1050	1051	-103.862	203.006	0.179	0.365	-8.962	-2682.52	1.13
1051_1051	1051	1051	104.226	-201.911	-0.114	2.883	8.67	2692.839	1.13
1051_1052	1051	1052	-89.103	226.134	0.114	-2.887	-7.731	-4538.71	1.06
1052_1052	1052	1052	94.697	-243.358	1.114	-2.682	7.613	4539.644	1.06
1052_1053	1052	1053	-78.028	278.312	-1.114	2.705	-20.71	-7714.31	1.03
1053_1053	1053	1053	79.671	-276.913	2.529	6.934	22.725	7748.339	1.03

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1053_1054	1053	1054	-78.028	321.273	-2.529	-6.951	-56.298	-11762.1	1.03
1054_1054	1054	1054	88.495	-334.413	-1.627	-4.898	55.552	11764.51	1.03
1054_1055	1054	1055	-93.803	378.003	1.627	4.945	-35.136	-16242.3	1.01
1055_1055	1055	1055	104.21	-375.29	-1.577	8.795	36.716	16245.45	1.01
1055_1056	1055	1056	-114.29	421.203	1.577	-8.744	-16.848	-21235.3	1
1056_1056	1056	1056	-1765.9	244.268	-2.578	-2.205	63.762	6415.015	1
1056_1057	1056	1057	1793.213	-213.897	2.578	2.205	-39.271	-4353.1	1
1057_1057	1057	1057	-1794.32	213.89	-1.178	1.173	39.769	4324.245	1
1057_1058	1057	1058	1814.379	-189.589	1.178	-1.173	-30.641	-2845.63	1
1058_1058	1058	1058	-1814.38	189.59	-1.178	1.173	30.641	2845.629	1
1058_1059	1058	1059	1832.348	-165.288	1.178	-1.173	-21.514	-1546.88	1
1059_1059	1059	1059	-1832.42	147.546	-9.42	-1.048	21.514	1546.908	1
1059_1060	1059	1060	1848.705	-122.429	9.42	1.048	53.909	-535.254	1
1060_1060	1060	1060	-1848.72	119.042	-7.109	0.501	-53.909	535.252	1
1060_1061	1060	1061	1860.477	-93.958	7.109	-0.501	110.753	265.307	1
1061_1061	1061	1061	-1860.49	93.959	-4.489	1.344	-110.753	-265.31	1
1061_1062	1061	1062	1870.026	-68.845	4.489	-1.344	146.687	874.835	1
1062_1062	1062	1062	-1870	52.496	-2.799	0.539	-146.687	-874.839	1
1062_1063	1062	1063	1876.033	-33.668	2.799	-0.539	163.484	1106.318	1
1063_1063	1063	1063	-1876.04	33.669	0.293	0.478	-163.484	-1106.32	1
1063_1064	1063	1064	1880.807	-14.874	-0.293	-0.478	161.731	1229.714	1
1064_1064	1064	1064	-1880.81	14.875	0.491	0.467	-161.731	-1229.71	1
1064_1065	1064	1065	1884.332	3.951	-0.491	-0.467	158.785	1245.462	1
1065_1065	1065	1065	-1884.33	-3.951	3.781	0.351	-158.785	-1245.46	1
1065_1066	1065	1066	1886.595	22.775	-3.781	-0.351	136.098	1153.284	1
1066_1066	1066	1066	-1886.57	-39.421	5.433	0.277	-136.098	-1153.3	1
1066_1067	1066	1067	1888.029	64.531	-5.433	-0.277	92.61	727.586	1
1067_1067	1067	1067	-1888.02	-64.53	7.9	0.946	-92.61	-727.588	1
1067_1068	1067	1068	1887.248	89.638	-7.9	-0.946	29.381	109.898	1
1068_1068	1068	1068	-1887.25	-89.638	7.758	0.861	-29.381	-109.898	1
1068_1069	1068	1069	1884.246	114.714	-7.758	-0.861	-32.632	-698.661	1
1069_1069	1069	1069	-1884.32	-131.891	3.632	-0.191	32.632	698.698	1
1069_1070	1069	1070	1879.258	156.211	-3.632	0.191	-60.79	-1798.83	1
1070_1070	1070	1070	-1879.26	-156.21	3.632	-0.191	60.79	1798.826	1
1070_1071	1070	1071	1872.101	180.53	-3.632	0.191	-88.947	-3079.09	1
1071_1071	1071	1071	-1869.92	-180.54	5.096	3.018	91.072	3104.159	1
1071_1072	1071	1072	1858.312	210.893	-5.096	-3.018	-139.454	-4920.11	1
1072_1072	1072	1072	73.881	470.058	0.814	-6.098	31.518	19388.29	1
1072_1073	1072	1073	-35.127	-424.499	-0.814	6.155	-41.78	-13933.2	1
1073_1073	1073	1073	23.556	427.217	0.856	5.287	40.441	13931.22	1
1073_1074	1073	1074	20.749	-384.062	-0.856	-5.235	-51.183	-9004.93	1
1074_1074	1074	1074	-32.392	371.105	-2.55	0.088	51.543	9003.958	1
1074_1075	1074	1075	79.907	-327.174	2.55	-0.119	-17.697	-4514.82	1
1075_1075	1075	1075	394.586	322.849	-0.836	-0.4	21.44	1915.369	1
1075_1076	1075	1076	-378.012	-288.474	0.836	0.419	-11.612	1553.727	1
1076_1076	1076	1076	371.849	270.158	-0.033	4.387	11.547	-1553.25	1
1076_1077	1076	1077	-348.318	-246.354	0.033	-4.394	-11.272	3572.036	1
1077_1077	1077	1077	318.527	248.417	0.14	-4.34	11.53	-3531.96	1
1077_1078	1077	1078	-272.036	-203.472	-0.14	4.34	-13.602	6670.858	1
1078_1078	1078	1078	272.029	183.593	0.142	4.721	13.602	-6670.99	1
1078_1079	1078	1079	-239.925	-149.484	-0.142	-4.721	-15.201	8398.285	1
1079_1079	1079	1079	239.924	149.494	0.19	-5.158	15.201	-8398.29	1
1079_1080	1079	1080	-212.316	-115.356	-0.19	5.158	-17.34	9762.222	1
1080_1080	1080	1080	212.321	94.537	-0.137	5.235	17.34	-9762.5	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1080_1081	1080	1081	-186.378	-60.402	0.137	-5.235	-15.795	10514.38	1
1081_1081	1081	1081	186.378	60.412	-0.091	-5.581	15.795	-10514.4	1
1081_1082	1081	1082	-164.961	-26.278	0.091	5.581	-14.766	10901.33	1
1082_1082	1082	1082	164.964	3.792	-0.095	9.824	14.766	-10901.6	1
1082_1083	1082	1083	-143.895	32.889	0.095	-9.824	-13.618	10625.12	1
1083_1083	1083	1083	143.895	-32.878	-0.01	-9.637	13.618	-10625.1	1
1083_1084	1083	1084	-128.052	69.556	0.01	9.637	-13.501	9927.297	1
1084_1084	1084	1084	128.057	-91.673	-0.125	8.666	13.501	-9927.54	1
1084_1085	1084	1085	-115.122	125.802	0.125	-8.666	-12.092	8638.255	1
1085_1085	1085	1085	115.122	-125.791	-0.034	-7.946	12.092	-8638.25	1
1085_1086	1085	1086	-106.71	159.918	0.034	7.946	-11.715	6984.303	1
1086_1086	1086	1086	106.706	-180.342	-0.377	5.149	11.715	-6984.42	1
1086_1087	1086	1087	-100.314	214.469	0.377	-5.149	-7.467	4724.95	1
1087_1087	1087	1087	100.313	-214.459	-0.286	-3.901	7.467	-4724.95	1
1087_1088	1087	1088	-98.444	248.583	0.286	3.901	-4.252	2100.925	1
1088_1088	1088	1088	98.442	-266.833	-0.017	0.652	4.252	-2100.98	1
1088_1089	1088	1089	-99.536	310.054	0.017	-0.652	-4.007	-2019.44	1
1089_1089	1089	1089	103.76	-308.878	-0.008	0.075	4.289	2045.222	1
1089_1090	1089	1090	-107.173	333.86	0.008	-0.079	-4.223	-4693.31	1.03
1090_1090	1090	1090	114.969	-352.633	0.776	-2.193	4.156	4694.009	1.03
1090_1091	1090	1091	-123.849	388.533	-0.776	2.21	-13.278	-9027.49	1.02
1091_1091	1091	1091	128.338	-385.935	1.933	3.016	13.983	9062.727	1.02
1091_1092	1091	1092	-141.941	429.906	-1.933	-3.052	-39.64	-14420.6	1.01
1092_1092	1092	1092	155.13	-440.627	-1.325	-14.163	38.273	14422.65	1.01
1092_1093	1092	1093	-166.379	483.947	1.325	14.206	-21.63	-20165.4	1.01
1093_1093	1093	1093	179.642	-480.17	-1.241	17.244	24.981	20168.22	1.01
1093_1094	1093	1094	-189.996	525.794	1.241	-17.198	-9.364	-26422.4	1.01
1094_1094	1094	1094	-2067.16	214.123	0.531	-4.646	-51.405	7058.028	1.01
1094_1095	1094	1095	2088.535	-183.964	-0.531	4.646	46.356	-5253.59	1
1095_1095	1095	1095	-2090.63	184.033	1.104	-3.166	-46.245	5263.822	1
1095_1096	1095	1096	2105.181	-160.014	-1.104	3.166	37.687	-3989.7	1
1096_1096	1096	1096	-2105.18	160.019	6.766	7.618	-37.687	3989.687	1
1096_1097	1096	1097	2117.707	-136.033	-6.766	-7.618	-14.697	-2895.11	1
1097_1097	1097	1097	-2117.78	119.361	-4.527	-2.395	14.697	2895.196	1
1097_1098	1097	1098	2128.646	-94.569	4.527	2.395	21.53	-2084.1	1
1098_1098	1098	1098	-2128.65	94.574	-1.75	0.773	-21.53	2084.097	1
1098_1099	1098	1099	2137.38	-69.782	1.75	-0.773	35.533	-1462.86	1
1099_1099	1099	1099	-2137.38	69.788	-1.75	0.773	-35.533	1462.857	1
1099_1100	1099	1100	2143.976	-44.996	1.75	-0.773	49.536	-1031.45	1
1100_1100	1100	1100	-2143.87	29.687	11.905	8.655	-49.536	1031.405	1
1100_1101	1100	1101	2147.754	-11.094	-11.905	-8.655	-21.913	-925.691	1
1101_1101	1101	1101	-2147.75	11.098	11.825	8.598	21.913	925.691	1
1101_1102	1101	1102	2150.432	7.464	-11.825	-8.598	-92.762	-926.657	1
1102_1102	1102	1102	-2150.42	-7.46	-14.008	-10.155	92.762	926.653	1
1102_1103	1102	1103	2151.903	26.059	14.008	10.155	-8.667	-1034.35	1
1103_1103	1103	1103	-2151.92	-26.055	-10.307	-7.242	8.667	1034.366	1
1103_1104	1103	1104	2152.205	44.653	10.307	7.242	53.208	-1248.89	1
1104_1104	1104	1104	-2152.19	-59.942	0.252	-1.975	-53.208	1248.892	1
1104_1105	1104	1105	2151.132	84.708	-0.252	1.975	51.19	-1824.38	1
1105_1105	1105	1105	-2151.13	-84.703	3.115	1.345	-51.19	1824.382	1
1105_1106	1105	1106	2147.932	109.499	-3.115	-1.345	26.257	-2590.35	1
1106_1106	1106	1106	-2147.93	-109.493	3.115	1.345	-26.257	2590.35	1
1106_1107	1106	1107	2142.599	134.289	-3.115	-1.345	1.324	-3546.21	1
1107_1107	1107	1107	-2142.62	-150.536	-2.891	-2.473	-1.324	3546.249	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1107_1108	1107	1108	2135.441	174.525	2.891	2.473	23.708	-4777.59	1
1108_1108	1108	1108	-2135.44	-174.52	-2.809	-2.271	-23.708	4777.585	1
1108_1109	1108	1109	2126.247	198.54	2.809	2.271	45.49	-6188.59	1
1109_1109	1109	1109	-2126.05	-198.487	-0.594	4.767	-46.357	6187.657	1
1109_1110	1109	1110	2111.563	228.647	0.594	-4.767	52.003	-8161.39	1.01
1110_1110	1110	1110	159.098	512.815	1.306	-19.454	7.732	27668.89	1.01
1110_1111	1110	1111	-136.163	-467.34	-1.306	19.513	-24.164	-21641.6	1.01
1111_1111	1111	1111	123.092	467.33	1.408	16.786	20.313	21639.55	1.01
1111_1112	1111	1112	-97.293	-424.194	-1.408	-16.732	-37.999	-16164.1	1.02
1112_1112	1112	1112	84.748	415.264	-1.893	-3.527	39.623	16163.2	1.02
1112_1113	1112	1113	-53.395	-371.436	1.893	3.493	-14.483	-11060	1.03
1113_1113	1113	1113	476.203	368.864	-1.161	2.726	20.775	8733.273	1.03
1113_1114	1113	1114	-464.344	-332.929	1.161	-2.725	-7.136	-4735.25	1.05
1114_1114	1114	1114	457.219	319.535	0.224	3.458	7.164	4735.976	1.05
1114_1115	1114	1115	-430.435	-294.638	-0.224	-3.462	-9.015	-2331.77	1.1
1115_1115	1115	1115	486.012	296.415	0.318	-1.592	9.221	1905.26	1.1
1115_1116	1115	1116	-416.806	-253.983	-0.318	1.592	-13.923	1845.904	1
1116_1116	1116	1116	416.81	234.631	-0.306	3.201	13.923	-1845.93	1
1116_1117	1116	1117	-367.442	-202.313	0.306	-3.201	-10.481	4079.04	1
1117_1117	1117	1117	367.442	202.327	-0.255	-3.598	10.481	-4079.04	1
1117_1118	1117	1118	-322.966	-170.009	0.255	3.598	-7.607	5969.51	1
1118_1118	1118	1118	322.966	150.281	-0.046	8.693	7.607	-5969.51	1
1118_1119	1118	1119	-279.982	-117.935	0.046	-8.693	-7.091	7281.624	1
1119_1119	1119	1119	279.982	117.949	0.054	-8.903	7.091	-7281.63	1
1119_1120	1119	1120	-241.93	-85.633	-0.054	8.903	-7.703	8249.805	1
1120_1120	1120	1120	241.929	63.886	-0.212	4.39	7.703	-8249.81	1
1120_1121	1120	1121	-202.634	-29.128	0.212	-4.39	-5.139	8628.905	1
1121_1121	1121	1121	202.634	29.144	-0.166	-4.169	5.139	-8628.91	1
1121_1122	1121	1122	-169.023	5.585	0.166	4.169	-3.137	8611.898	1
1122_1122	1122	1122	169.024	-27.149	-0.12	4.279	3.137	-8611.9	1
1122_1123	1122	1123	-139.146	59.493	0.12	-4.279	-1.781	7981.493	1
1123_1123	1123	1123	139.146	-59.478	-0.07	-3.705	1.781	-7981.49	1
1123_1124	1123	1124	-114.187	91.793	0.07	3.705	-0.988	7008.965	1
1124_1124	1124	1124	114.187	-114.735	-0.302	5.628	0.988	-7008.97	1
1124_1125	1124	1125	-94.351	147.079	0.302	-5.628	2.411	5435.071	1
1125_1125	1125	1125	94.351	-147.064	-0.201	-4.799	-2.411	-5435.07	1
1125_1126	1125	1126	-79.425	179.378	0.201	4.799	4.677	3519.928	1
1126_1126	1126	1126	79.421	-196.372	-0.581	0.312	-4.677	-3519.91	1
1126_1127	1126	1127	-63.931	236.442	0.581	-0.312	12.781	415.904	1.06
1127_1127	1127	1127	67.255	-235.32	-0.494	0.337	-12.515	-400.058	1.06
1127_1128	1127	1128	-61.575	258.519	0.494	-0.342	16.594	-1675.7	1.06
1128_1128	1128	1128	67.652	-271.961	1.957	-3.923	-16.739	1676.581	1.06
1128_1129	1128	1129	-64.671	305.358	-1.957	3.953	-6.274	-5116.04	1.06
1129_1129	1129	1129	74.538	-302.473	3.992	8.53	6.059	5110.706	1.06
1129_1130	1129	1130	-85.188	345.287	-3.992	-8.564	-59.053	-9403.4	1.03
1130_1130	1130	1130	97.368	-373.296	-8.31	-6.272	58.095	9405.848	1.03
1130_1131	1130	1131	-121.274	415.466	8.31	6.335	46.199	-14265.9	1.03
1131_1131	1131	1131	132.555	-411.655	-8.26	7.227	-44.908	14269.37	1.03
1131_1132	1131	1132	-154.044	456.2	8.26	-7.157	148.959	-19632.4	1.03
1132_1132	1132	1132	-1719.23	203.947	33.802	16.373	-410.354	4849.43	1.03
1132_1133	1132	1133	1742.426	-174.562	-33.802	-16.373	89.232	-3146.11	1
1133_1133	1133	1133	-1746.58	174.473	31.383	11.942	-89.603	3166.182	1
1133_1134	1133	1134	1764.142	-152.227	-31.383	-11.942	-153.613	-1972.25	1
1134_1134	1134	1134	-1764.35	152.235	1.52	-25.935	153.613	1972.153	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1134_1135	1134	1135	1779.624	-129.985	-1.52	25.935	-165.395	-941.309	1
1135_1135	1135	1135	-1779.68	109.629	-3.755	0.376	165.395	941.811	1
1135_1136	1135	1136	1792.422	-86.66	3.755	-0.376	-135.352	-209.397	1
1136_1136	1136	1136	-1792.42	86.669	-6.165	-0.771	135.352	209.397	1
1136_1137	1136	1137	1802.718	-63.699	6.165	0.771	-86.024	349.035	1
1137_1137	1137	1137	-1802.73	63.708	-3.755	-0.203	86.024	-349.035	1
1137_1138	1137	1138	1810.586	-40.739	3.755	0.203	-55.982	733.456	1
1138_1138	1138	1138	-1810.66	24.951	-3.577	-0.03	55.982	-733.455	1
1138_1139	1138	1139	1815.429	-7.752	3.577	0.03	-34.549	810.831	1
1139_1139	1139	1139	-1815.43	7.759	-0.294	0.187	34.549	-810.832	1
1139_1140	1139	1140	1818.836	9.468	0.294	-0.187	-32.786	790.542	1
1140_1140	1140	1140	-1818.84	-9.461	-0.294	0.187	32.786	-790.542	1
1140_1141	1140	1141	1820.867	26.688	0.294	-0.187	-31.023	672.381	1
1141_1141	1141	1141	-1820.87	-26.681	-3.507	-0.392	31.023	-672.381	1
1141_1142	1141	1142	1821.523	43.908	3.507	0.392	-9.973	456.339	1
1142_1142	1142	1142	-1821.53	-63.265	0.228	0.911	9.973	-456.33	1
1142_1143	1142	1143	1818.475	86.234	-0.228	-0.911	-11.8	-131.723	1
1143_1143	1143	1143	-1818.48	-86.225	0.228	0.911	11.8	131.723	1
1143_1144	1143	1144	1812.979	109.194	-0.228	-0.911	-13.628	-893.77	1
1144_1144	1144	1144	-1812.98	-109.185	-2.182	-1.532	13.628	893.77	1
1144_1145	1144	1145	1805.04	132.154	2.182	1.532	3.832	-1829.84	1
1145_1145	1145	1145	-1805	-148.266	-5.159	-0.755	-3.832	1829.816	1
1145_1146	1145	1146	1795.066	170.489	5.159	0.755	43.773	-3026.15	1
1146_1146	1146	1146	-1795.07	-170.48	-5.108	-0.647	-43.773	3026.145	1
1146_1147	1146	1147	1782.828	192.732	5.108	0.647	83.367	-4387.21	1
1147_1147	1147	1147	-1773.54	-192.802	-3.842	2.846	-82.98	4341.883	1
1147_1148	1147	1148	1755.932	222.191	3.842	-2.846	119.484	-6245.57	1
1148_1148	1148	1148	102.689	424.456	0.09	-8.14	-4.839	21146.17	1
1148_1149	1148	1149	-75.229	-380.099	-0.09	8.171	3.706	-16209.2	1
1149_1149	1149	1149	64.829	383.001	0.158	6.244	-5.227	16206.65	1
1149_1150	1149	1150	-33.439	-341.04	-0.158	-6.216	3.239	-11784.2	1
1150_1150	1150	1150	23.029	329.677	-0.014	-1.088	-2.606	11782.66	1
1150_1151	1150	1151	11.347	-287.012	0.014	1.07	2.792	-7796.69	1
1151_1151	1151	1151	487.61	282.246	-0.136	-0.316	-1.774	5072.317	1
1151_1152	1151	1152	-470.065	-248.334	0.136	0.303	3.369	-2103.48	1
1152_1152	1152	1152	464.757	234.423	-0.027	0.334	-3.376	2103.929	1
1152_1153	1152	1153	-433.703	-210.973	0.027	-0.334	3.599	-413.805	1
1153_1153	1153	1153	460.738	212.909	-0.007	-0.501	-3.622	270.861	1
1153_1154	1153	1154	-392.569	-174.88	0.007	0.501	3.72	2105.584	1
1154_1154	1154	1154	392.57	156.567	0.162	2.82	-3.72	-2105.6	1
1154_1155	1154	1155	-342.118	-126.122	-0.162	-2.82	1.934	3446.468	1
1155_1155	1155	1155	342.118	126.143	0.234	-3.067	-1.934	-3446.47	1
1155_1156	1155	1156	-296.78	-95.698	-0.234	3.067	-0.644	4472.89	1
1156_1156	1156	1156	296.783	77.715	0.011	3.522	0.644	-4472.91	1
1156_1157	1156	1157	-257.614	-49.982	-0.011	-3.522	-0.756	4944.47	1
1157_1157	1157	1157	257.614	50.001	0.089	-3.488	0.756	-4944.47	1
1157_1158	1157	1158	-222.721	-22.296	-0.089	3.488	-1.642	5155.045	1
1158_1158	1158	1158	222.72	4.956	0.09	3.284	1.642	-5155.06	1
1158_1159	1158	1159	-189.597	22.776	-0.09	-3.284	-2.543	4921.312	1
1159_1159	1159	1159	189.597	-22.758	0.167	-3.016	2.543	-4921.31	1
1159_1160	1159	1160	-160.743	50.462	-0.167	3.016	-4.219	4427.296	1
1160_1160	1160	1160	160.744	-68.003	-0.097	0.263	4.219	-4427.33	1
1160_1161	1160	1161	-131.334	98.448	0.097	-0.263	-3.146	3380.595	1
1161_1161	1161	1161	131.334	-101.751	-0.097	0.263	3.146	-3380.6	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1161_1162	1161	1162	-110.821	132.196	0.097	-0.263	-2.074	1997.887	1
1162_1162	1162	1162	110.819	-148.454	0.289	0.364	2.074	-1997.87	1
1162_1163	1162	1163	-89.216	186.482	-0.289	-0.364	-6.049	-407.532	1.01
1163_1163	1163	1163	92.635	-185.301	0.26	0.183	5.872	401.779	1.01
1163_1164	1163	1164	-83.97	208.781	-0.26	-0.186	-8.018	-2075.57	1.01
1164_1164	1164	1164	89.022	-222.676	0.045	0.312	8.028	2076.379	1.01
1164_1165	1164	1165	-80.922	256.488	-0.045	-0.309	-8.56	-4955.22	1.01
1165_1165	1165	1165	78.521	-253.562	1.123	0.467	2.733	5008.581	1.01
1165_1166	1165	1166	-82.269	296.085	-1.123	-0.508	-17.644	-8686.07	1.01
1166_1166	1166	1166	91.97	-308.141	-0.563	-4.909	17.213	8688.467	1.01
1166_1167	1166	1167	-101.616	349.941	0.563	4.956	-10.151	-12820.1	1.01
1167_1167	1167	1167	111.254	-346.13	-0.495	6.164	11.348	12823.64	1.01
1167_1168	1167	1168	-124.66	390.255	0.495	-6.112	-5.112	-17441.2	1
1168_1168	1168	1168	-1496.42	218.306	0.775	-1.435	-19.901	5093.022	1
1168_1169	1168	1169	1522.411	-189.113	-0.775	1.435	12.533	-3262.83	1
1169_1169	1169	1169	-1526.83	189.052	1.565	0.083	-13.276	3284.349	1
1169_1170	1169	1170	1546.265	-166.728	-1.565	-0.083	1.144	-1984.65	1
1170_1170	1170	1170	-1546.27	166.741	1.565	0.083	-1.144	1984.651	1
1170_1171	1170	1171	1563.304	-144.417	-1.565	-0.083	-10.988	-848.376	1
1171_1171	1171	1171	-1563.32	127.08	0.307	0.349	10.988	848.372	1
1171_1172	1171	1172	1578.186	-104.036	-0.307	-0.349	-13.447	15.177	1
1172_1172	1172	1172	-1578.19	104.05	-1.93	-0.446	13.447	-15.176	1
1172_1173	1172	1173	1590.487	-81.034	1.93	0.446	1.978	703.855	1
1173_1173	1173	1173	-1590.49	81.047	0.307	-0.405	-1.978	-703.855	1
1173_1174	1173	1174	1600.252	-58.003	-0.307	0.405	-0.482	1219.35	1
1174_1174	1174	1174	-1600.26	41.152	0.886	-0.186	0.482	-1219.37	1
1174_1175	1174	1175	1606.392	-23.869	-0.886	0.186	-5.799	1388.571	1
1175_1175	1175	1175	-1606.39	23.879	-2.035	0.67	5.799	-1388.57	1
1175_1176	1175	1176	1611.089	-6.595	2.035	-0.67	6.414	1459.826	1
1176_1176	1176	1176	-1611.09	6.606	0.886	-0.225	-6.414	-1459.83	1
1176_1177	1176	1177	1614.353	10.678	-0.886	0.225	1.097	1433.129	1
1177_1177	1177	1177	-1614.35	-10.667	0.886	-0.225	-1.097	-1433.13	1
1177_1178	1177	1178	1616.179	27.95	-0.886	0.225	-4.221	1308.481	1
1178_1178	1178	1178	-1616.19	-44.759	-0.994	0.012	4.221	-1308.48	1
1178_1179	1178	1179	1617.033	67.775	0.994	-0.012	3.726	853.44	1
1179_1179	1179	1179	-1617.03	-67.762	1.243	0.234	-3.726	-853.44	1
1179_1180	1179	1180	1615.325	90.806	-1.243	-0.234	-6.221	223.813	1
1180_1180	1180	1180	-1615.33	-90.792	1.243	0.234	6.221	-223.813	1
1180_1181	1180	1181	1611.065	113.836	-1.243	-0.234	-16.168	-579.947	1
1181_1181	1181	1181	-1611.08	-130.97	-2.324	0.806	16.168	579.981	1
1181_1182	1181	1182	1604.418	153.294	2.324	-0.806	1.847	-1657.23	1
1182_1182	1182	1182	-1604.42	-156.623	-2.324	0.806	-1.847	1657.228	1
1182_1183	1182	1183	1592.848	178.947	2.324	-0.806	19.862	-2913.81	1
1183_1183	1183	1183	-1582.9	-178.979	-2.975	-0.702	-19.008	2865.256	1
1183_1184	1183	1184	1565.655	208.169	2.975	0.702	47.274	-4638.21	1.02
1184_1184	1184	1184	87.265	396.637	0.37	5.275	-9.969	16817.09	1.02
1184_1185	1184	1185	-53.55	-352.786	-0.37	-5.229	5.306	-12218.1	1.03
1185_1185	1185	1185	43.79	356.562	0.298	-6.083	-4.128	12215.25	1.03
1185_1186	1185	1186	-6.991	-315.018	-0.298	6.124	0.381	-8105.15	1.04
1186_1186	1186	1186	-2.772	303.399	-0.483	-0.601	-0.895	8103.431	1.04
1186_1187	1186	1187	40.141	-261.153	0.483	0.573	7.312	-4446.4	1.08
1187_1187	1187	1187	411.471	258.196	-0.059	-0.664	3.651	1979.516	1.08
1187_1188	1187	1188	-396.404	-223.735	0.059	0.657	-2.955	733.977	1.08
1188_1188	1188	1188	391.574	208.492	-0.088	-2.139	2.956	-733.275	1.08

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1188_1189	1188	1189	-366.053	-184.649	0.088	2.138	-2.234	2232.505	1
1189_1189	1189	1189	380.731	186.774	-0.133	0.734	2.3	-2239.37	1
1189_1190	1189	1190	-327.488	-146.562	0.133	-0.734	-0.466	4311.856	1
1190_1190	1190	1190	327.491	127.898	0.195	-4.241	0.466	-4311.85	1
1190_1191	1190	1191	-288.615	-95.729	-0.195	4.241	-2.607	5380.392	1
1191_1191	1191	1191	288.615	95.75	0.113	3.499	2.607	-5380.39	1
1191_1192	1191	1192	-254.76	-63.58	-0.113	-3.499	-3.854	6114.436	1
1192_1192	1192	1192	254.764	44.386	0.027	4.123	3.854	-6114.43	1
1192_1193	1192	1193	-226	-14.819	-0.027	-4.123	-4.129	6291.711	1
1193_1193	1193	1193	226	14.838	0.115	-4.406	4.129	-6291.71	1
1193_1194	1193	1194	-201.477	14.728	-0.115	4.406	-5.296	6186.424	1
1194_1194	1194	1194	201.49	-33.265	-0.157	0.082	5.296	-6186.51	1
1194_1195	1194	1195	-179.144	62.832	0.157	-0.082	-3.713	5603.049	1
1195_1195	1195	1195	179.144	-62.813	-0.157	0.082	3.713	-5603.05	1
1195_1196	1195	1196	-161.041	92.38	0.157	-0.082	-2.129	4737.009	1
1196_1196	1196	1196	161.017	-111.809	0.053	-1.683	2.129	-4736.94	1
1196_1197	1196	1197	-144.082	143.979	-0.053	1.683	-2.714	3251.792	1
1197_1197	1197	1197	144.082	-143.957	-0.03	2.246	2.714	-3251.79	1
1197_1198	1197	1198	-132.176	176.098	0.03	-2.246	-2.387	1433.907	1
1198_1198	1198	1198	132.193	-197.73	0.161	0.49	2.387	-1433.95	1
1198_1199	1198	1199	-126.613	237.942	-0.161	-0.49	-4.604	-1600.05	1.03
1199_1199	1199	1199	128.017	-236.476	0.125	0.099	4.315	1570.98	1.03
1199_1200	1199	1200	-127.118	261.246	-0.125	-0.104	-5.345	-3640.76	1.03
1200_1200	1200	1200	133.377	-277.475	1.003	0.529	5.363	3641.798	1.03
1200_1201	1200	1201	-133.966	313.137	-1.003	-0.499	-17.152	-7134.89	1.03
1201_1201	1201	1201	139.314	-309.275	3.075	0.897	14.234	7158.313	1.03
1201_1202	1201	1202	-149.393	355.196	-3.075	-0.957	-55.031	-11544.8	1.02
1202_1202	1202	1202	161.157	-370.354	-2.244	1.762	55.247	11548.05	1.02
1202_1203	1202	1203	-171.933	415.465	2.244	-1.702	-27.07	-16448.3	1.01
1203_1203	1203	1203	183.338	-410.779	-2.244	0.949	27.105	16452.65	1.01
1203_1204	1203	1204	-194.897	458.195	2.244	-0.883	1.154	-21877.8	1.01
1204_1204	1204	1204	-1819.39	231.988	5.951	1.582	-66.587	6241.697	1.01
1204_1205	1204	1205	1844.015	-200.383	-5.951	-1.582	10.039	-4290.58	1
1205_1205	1205	1205	-1843.69	200.343	4.566	-2.07	-9.634	4062.919	1
1205_1206	1205	1206	1861.903	-176.08	-4.566	2.07	-25.711	-2680.17	1
1206_1206	1206	1206	-1861.9	176.094	4.621	-1.989	25.711	2680.169	1
1206_1207	1206	1207	1877.847	-151.8	-4.621	1.989	-61.533	-1474.63	1
1207_1207	1207	1207	-1877.61	131.869	-7.071	-1.254	61.533	1474.669	1
1207_1208	1207	1208	1891.448	-106.791	7.071	1.254	-4.949	-576.778	1
1208_1208	1208	1208	-1891.46	106.805	-4.471	0.254	4.949	576.777	1
1208_1209	1208	1209	1902.852	-81.728	4.471	-0.254	30.827	130.238	1
1209_1209	1209	1209	-1902.85	81.741	-4.471	0.254	-30.827	-130.238	1
1209_1210	1209	1210	1911.807	-56.664	4.471	-0.254	66.602	646.402	1
1210_1210	1210	1210	-1911.94	38.824	-3.062	0.014	-66.602	-646.425	1
1210_1211	1210	1211	1917.415	-20.016	3.062	-0.014	84.979	799.716	1
1211_1211	1211	1211	-1917.42	20.026	0.405	0.189	-84.979	-799.718	1
1211_1212	1211	1212	1921.524	-1.218	-0.405	-0.189	82.546	845.649	1
1212_1212	1212	1212	-1921.52	1.228	0.336	0.185	-82.546	-845.649	1
1212_1213	1212	1213	1924.255	17.548	-0.336	-0.185	80.534	784.418	1
1213_1213	1213	1213	-1924.25	-17.538	-3.062	-0.184	-80.534	-784.416	1
1213_1214	1213	1214	1925.617	36.347	3.062	0.184	98.91	615.812	1
1214_1214	1214	1214	-1925.76	-54.429	5.663	0.46	-98.91	-615.823	1
1214_1215	1214	1215	1925.843	79.507	-5.663	-0.46	53.594	77.651	1
1215_1215	1215	1215	-1925.85	-79.493	3.063	-0.809	-53.594	-77.651	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1215_1216	1215	1216	1923.496	104.571	-3.063	0.809	29.087	-651.393	1
1216_1216	1216	1216	-1923.49	-104.557	5.663	1.405	-29.087	651.392	1
1216_1217	1216	1217	1918.696	129.635	-5.663	-1.405	-16.229	-1571.27	1
1217_1217	1217	1217	-1918.58	-148.564	-2.445	-0.166	16.229	1571.271	1
1217_1218	1217	1218	1911.577	172.858	2.445	0.166	2.726	-2791.16	1
1218_1218	1218	1218	-1911.58	-172.845	-2.501	-0.271	-2.726	2791.16	1
1218_1219	1218	1219	1902.3	197.107	2.501	0.271	22.086	-4188.24	1
1219_1219	1219	1219	-1897.11	-197.118	-1.09	3.201	-21.838	4395.707	1
1219_1220	1219	1220	1882.669	228.719	1.09	-3.201	32.198	-6361.86	1
1220_1220	1220	1220	182.455	468.443	2.712	-47.389	10.041	22083.33	1
1220_1221	1220	1221	-152.86	-421.311	-2.712	47.446	-44.193	-16615.2	1
1221_1221	1221	1221	141.268	426.557	3.076	42.264	34.623	16611.94	1
1221_1222	1221	1222	-106.602	-381.785	-3.076	-42.209	-73.237	-11669.7	1.01
1222_1222	1222	1222	95.135	373.636	-3.285	-3.231	77.09	11666.39	1.01
1222_1223	1222	1223	-55.337	-328	3.285	3.134	-33.472	-7139.61	1.01
1223_1223	1223	1223	508.964	326.127	-0.614	1.359	14.993	4600.061	1.01
1223_1224	1223	1224	-486.226	-289.872	0.614	-1.344	-7.771	-1144.94	1.04
1224_1224	1224	1224	479.836	275.136	0.147	10.049	7.699	1145.345	1.04
1224_1225	1224	1225	-444.86	-250.008	-0.147	-10.05	-8.915	853.847	1
1225_1225	1225	1225	416.211	252.996	0.426	-7.282	9.327	-666.227	1
1225_1226	1225	1226	-340.772	-201.335	-0.426	7.282	-16.32	4074.84	1
1226_1226	1226	1226	340.76	177.883	0.066	20.349	16.32	-4074.36	1
1226_1227	1226	1227	-288.134	-139.034	-0.066	-20.349	-17.13	5805.433	1
1227_1227	1227	1227	288.133	139.058	0.434	-19.925	17.13	-5805.44	1
1227_1228	1227	1228	-241.438	-100.239	-0.434	19.925	-22.486	7080.002	1
1228_1228	1228	1228	241.23	75.475	0.112	15.118	22.486	-7077.61	1
1228_1229	1228	1229	-198.993	-34.464	-0.112	-15.118	-23.865	7572.42	1
1229_1229	1229	1229	198.991	34.652	0.358	-14.137	23.865	-7572.42	1
1229_1230	1229	1230	-164.984	6.328	-0.358	14.137	-28.28	7596.187	1
1230_1230	1230	1230	164.878	-31.118	0.177	12.421	28.28	-7593.6	1
1230_1231	1230	1231	-136.763	72.102	-0.177	-12.421	-30.458	6829.232	1
1231_1231	1231	1231	136.768	-71.914	0.423	-11.531	30.458	-6829.24	1
1231_1232	1231	1232	-116.861	112.867	-0.423	11.531	-35.675	5595.374	1
1232_1232	1232	1232	116.86	-138.899	1.848	9.111	35.675	-5594.36	1
1232_1233	1232	1233	-108.668	171.744	-1.848	-9.111	-53.943	4013.526	1
1233_1233	1233	1233	108.634	-171.581	2.089	-3.197	53.943	-4013.31	1
1233_1234	1233	1234	-105.727	209.716	-2.089	3.197	-77.918	1798.741	1.03
1234_1234	1234	1234	111.686	-208.764	2.583	-9.893	82.635	-1821.51	1.03
1234_1235	1234	1235	-112.217	219.388	-2.583	9.895	-90.749	1145.93	1.03
1235_1235	1235	1235	130.973	-233.543	0.003	-1.634	98.884	-1207.11	1.03
1235_1236	1235	1236	-136.826	258.097	-0.003	1.571	-98.906	-543.975	1.02
1236_1236	1236	1236	135.992	-258.456	0.14	0.605	98.961	544.127	1.02
1236_1237	1236	1237	-147.684	292.076	-0.14	-0.68	-100.32	-3190.5	1.01
1237_1237	1237	1237	167.403	-287.725	-0.13	7.885	98.338	3126.618	1.01
1237_1238	1237	1238	-174.165	306.893	0.13	-7.962	-97.723	-4528.43	1.01
1238_1238	1238	1238	180.037	-322.066	5.354	-11.824	96.603	4528.658	1.01
1238_1239	1238	1239	-194.92	365.884	-5.354	11.719	-154.141	-8176.93	1.01
1239_1239	1239	1239	203.476	-361.085	5.545	10.552	156.212	8180.002	1.01
1239_1240	1239	1240	-218.531	407.114	-5.545	-10.685	-217.044	-12334.3	1.01
1240_1240	1240	1240	233.54	-424.829	-28.857	-21.659	214.074	12332.55	1.01
1240_1241	1240	1241	-247.369	476.746	28.857	21.978	129.805	-17643.4	1
1241_1241	1241	1241	-1702.64	281.154	-7.972	16.55	280.599	4928.937	1
1241_1242	1241	1242	1729.91	-243.917	7.972	-16.55	-204.843	-2544.19	1
1242_1242	1242	1242	-1726.89	243.972	-5.875	19.879	205.455	2529.54	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1242_1243	1242	1243	1735.169	-231.734	5.875	-19.879	-186.861	-1810.36	1
1243_1243	1243	1243	-1733.02	212.688	-31.632	-3.481	186.861	1808.69	1
1243_1244	1243	1244	1755.382	-177.056	31.632	3.481	104.602	-103.712	1
1244_1244	1244	1244	-1755.5	177.184	-25.361	-0.616	-104.602	103.838	1
1244_1245	1244	1245	1776.021	-136.936	25.361	0.616	368.558	1447.342	1
1245_1245	1245	1245	-1776.41	121.919	-14.618	1.82	-368.558	-1447.21	1
1245_1246	1245	1246	1791.354	-84.221	14.618	-1.82	511.057	2390.814	1
1246_1246	1246	1246	-1791.39	84.349	-8.41	-2.327	-511.057	-2390.8	1
1246_1247	1246	1247	1802.036	-46.139	8.41	2.327	594.157	2991.367	1
1247_1247	1247	1247	-1802.13	27.918	0.036	2.719	-594.157	-2990.66	1
1247_1248	1247	1248	1808.231	7.2	-0.036	-2.719	593.829	3058.832	1
1248_1248	1248	1248	-1808.26	-7.072	3.815	-0.73	-593.829	-3058.67	1
1248_1249	1248	1249	1810.535	47.816	-3.815	0.73	553.629	2758.553	1
1249_1249	1249	1249	-1809.38	-67.509	-10.693	2.405	-553.629	-2758.03	1
1249_1250	1249	1250	1806.801	107.487	10.693	-2.405	664.174	1861.834	1
1250_1250	1250	1250	-1806.8	-107.359	-2.982	0.524	-664.174	-1861.95	1
1250_1251	1250	1251	1800.257	143.276	2.982	-0.524	691.867	722.344	1
1251_1251	1251	1251	-1803.12	-170.076	62.464	-3.936	-691.867	-722.378	1
1251_1252	1251	1252	1792.736	209.259	-62.464	3.936	58.95	-1159.9	1
1252_1252	1252	1252	-1792.56	-212.522	68.311	3.72	-58.95	1160.035	1
1252_1253	1252	1253	1772.473	255.867	-68.311	-3.72	-706.727	-3707.14	1.01
1253_1253	1253	1253	-1770.24	-255.765	66.949	0.161	706.661	3696.127	1.01
1253_1254	1253	1254	1763.492	268.149	-66.949	-0.161	-918.266	-4497.82	1.01
1254_1254	1254	1254	-1758.84	-293.871	-34.493	-39.453	918.266	4495.308	1.01
1254_1255	1254	1255	1745.387	318.687	34.493	39.453	-699.791	-6382.92	1.01
1255_1255	1255	1255	218.398	435.979	-48.3	1.185	669.117	19221.29	1.01
1255_1256	1255	1256	-199.412	-400.526	48.3	-1.644	-276.778	-15913.4	1.01
1256_1256	1256	1256	192.755	404.272	-48.174	33.164	272.981	15910.62	1.01
1256_1257	1256	1257	-174.039	-373.395	48.174	-33.549	77.274	-13161.8	1.02
1257_1257	1257	1257	163.546	358.424	9.5	-20.506	-71.879	13156.48	1.02
1257_1258	1257	1258	-134.802	-315.466	-9.5	21.22	-26.822	-9762.04	1.03
1258_1258	1258	1258	126.932	320.281	9.694	13.465	24.162	9760.153	1.03
1258_1259	1258	1259	-90.56	-269.362	-9.694	-12.793	-146.749	-6148.58	1.04
1259_1259	1259	1259	519.987	256.202	1.164	5.186	17.109	3818.22	1.04
1259_1260	1259	1260	-533.317	-218.697	-1.164	-5.125	-29.394	-1295.4	1.04
1260_1260	1260	1260	528.568	225.152	1.397	-4.726	29.574	1294.349	1.04
1260_1261	1260	1261	-523.719	-192.047	-1.397	4.747	-42.776	649.393	1
1261_1261	1261	1261	547.92	195.651	1.555	-7.796	42.355	-917.178	1
1261_1262	1261	1262	-542.874	-184.738	-1.555	7.796	-47.28	1500.464	1
1262_1262	1262	1262	542.758	155.42	-0.45	15.205	47.28	-1499.43	1
1262_1263	1262	1263	-530.436	-117.122	0.45	-15.205	-42.278	2970.105	1
1263_1263	1263	1263	530.402	117.306	-0.073	-13.509	42.278	-2969.97	1
1263_1264	1263	1264	-524.837	-76.185	0.073	13.509	-41.413	4109.704	1
1264_1264	1264	1264	524.771	52.227	0.774	18.261	41.413	-4109.47	1
1264_1265	1264	1265	-523.568	-12.338	-0.774	-18.261	-50.376	4485.414	1
1265_1265	1265	1265	523.572	12.523	1.162	-17.689	50.376	-4485.42	1
1265_1266	1265	1266	-529.754	27.036	-1.162	17.689	-63.716	4435.438	1
1266_1266	1266	1266	529.734	-51.725	0.012	11.857	63.716	-4435.23	1
1266_1267	1266	1267	-540.079	91.963	-0.012	-11.857	-63.852	3646.152	1
1267_1267	1267	1267	540.088	-91.779	0.277	-11.633	63.852	-3646.2	1
1267_1268	1267	1268	-557.461	130.952	-0.277	11.633	-67.006	2459.479	1
1268_1268	1268	1268	557.404	-155.153	1.48	10.235	67.006	-2459.17	1
1268_1269	1268	1269	-582.803	200.117	-1.48	-10.235	-86.319	254.016	1
1269_1269	1269	1269	582.856	-199.922	1.831	-11.358	86.319	-254.276	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1269_1270	1269	1270	-612.961	239.378	-1.831	11.358	-107.291	-2128.88	1
1270_1270	1270	1270	613.026	-259.475	-3.725	3.25	107.291	2128.572	1
1270_1271	1270	1271	-639.299	291.056	3.725	-3.25	-73.148	-4537.83	1
1271_1271	1271	1271	639.247	-294.245	-3.45	-2.675	73.148	4538.126	1
1271_1272	1271	1272	-681.19	332.692	3.45	2.675	-34.656	-7855.39	1.05
1272_1272	1272	1272	617.533	-330.728	-2.834	1.742	31.219	8346.765	1.05
1272_1273	1272	1273	-629.6	346.105	2.834	-1.732	-19.396	-9704.88	1.05
1273_1273	1273	1273	634.748	-366.523	19.189	-7.563	19.21	9705.916	1.05
1273_1274	1273	1274	-642.7	396.015	-19.189	7.583	-171.83	-12675.7	1.05
1274_1274	1274	1274	649.394	-390.483	19.339	-2.938	171.967	12675.75	1.05
1274_1275	1274	1275	-641.807	420.136	-19.339	2.971	-324.329	-15844.6	1.05
1275_1275	1275	1275	562.113	-418.058	19.86	27.751	325.595	16349.68	1.05
1275_1276	1275	1276	-556.082	435.701	-19.86	-27.728	-408.639	-18127.4	1.03
1276_1276	1276	1276	266.47	-449.548	-79.584	-61.621	485.227	19751.14	1.03
1276_1277	1276	1277	-281.385	499.626	79.584	62.092	451.462	-25264.4	1.02
1277_1277	1277	1277	294.167	-493.205	-79.366	48.478	-443.659	25268.18	1.02
1277_1278	1277	1278	-307.557	549.672	79.366	-47.836	1460.262	-31859.8	1.02
1278_1278	1278	1278	319.56	-532.948	130.767	-79.05	-1478	31864.02	1.02
1278_1279	1278	1279	-328.349	577.143	-130.767	78.689	216.599	-37146.5	1.02
1279_1279	1279	1279	-2417.25	380.525	45.894	41.391	-829.062	13377.31	1.02
1279_1280	1279	1280	2446.171	-341.831	-45.894	-41.391	392.957	-10059.5	1
1280_1280	1280	1280	-2444.76	341.866	47.428	51.499	-391.924	10267.39	1
1280_1281	1280	1281	2459.898	-321.111	-47.428	-51.499	134.848	-8531.93	1
1281_1281	1281	1281	-2504.3	304.166	-23.619	-10.382	-145.404	8735.229	1
1281_1282	1281	1282	2532.048	-260.379	23.619	10.382	437.328	-5359.14	1
1282_1282	1282	1282	-2532.1	260.527	-15.743	7.293	-437.328	5359.109	1
1282_1283	1282	1283	2553.26	-217.509	15.743	-7.293	628.49	-2543.25	1
1283_1283	1283	1283	-2553.26	169.079	13.912	-2.154	-628.49	2543.278	1
1283_1284	1283	1284	2566.76	-125.128	-13.912	2.154	455.899	-773.718	1
1284_1284	1284	1284	-2566.66	125.268	22.461	3.331	-455.899	773.518	1
1284_1285	1284	1285	2573.26	-87.157	-22.461	-3.331	214.276	341.312	1
1285_1285	1285	1285	-2573.17	49.721	29.565	-0.202	-214.276	-341.361	1
1285_1286	1285	1286	2575.699	-10.078	-29.565	0.202	-116.56	664.368	1
1286_1286	1286	1286	-2575.58	10.208	37.458	0.997	116.56	-664.459	1
1286_1287	1286	1287	2573.331	26.648	-37.458	-0.997	-506.239	586.492	1
1287_1287	1287	1287	-2573.67	-63.768	-22.639	-2.828	506.239	-586.144	1
1287_1288	1287	1288	2565.742	110.168	22.639	2.828	-209.722	-523.032	1
1288_1288	1288	1288	-2565.75	-113.443	-13.576	2.646	209.722	522.804	1
1288_1289	1288	1289	2550.673	153.199	13.576	-2.646	-57.376	-1960.4	1
1289_1289	1289	1289	-2550.58	-188.271	-2.264	0.35	57.376	1959.872	1
1289_1290	1289	1290	2544.178	202.459	2.264	-0.35	-48.308	-2717.25	1
1290_1290	1290	1290	-2542.46	-202.425	1.531	5.586	48.925	2485.735	1
1290_1291	1290	1291	2524.976	238.387	-1.531	-5.586	-63.47	-4512.53	1.01
1291_1291	1291	1291	307.363	788.138	25.079	-12.988	-220.391	24817.26	1.01
1291_1292	1291	1292	-291.972	-756.217	-25.079	12.807	33.793	-19174.4	1.02
1292_1292	1292	1292	269.856	731.791	2.641	-28.693	-32.638	19172.59	1.02
1292_1293	1292	1293	-235.476	-679.238	-2.641	28.671	-0.849	-10418.6	1.02
1293_1293	1293	1293	214.896	686.255	2.743	25.597	-3.071	10415.99	1.02
1293_1294	1293	1294	-178.599	-641.366	-2.743	-25.608	-27.622	-3156.36	1.03
1294_1294	1294	1294	137.657	612.544	-2.403	-3.096	53.578	3303.573	1.03
1294_1295	1294	1295	-112.577	-584.863	2.403	3.045	-36.632	814.611	1.05
1295_1295	1295	1295	72.169	588.124	-2.662	1.64	45.508	-657.043	1.05
1295_1296	1295	1296	-45.734	-563.23	2.662	-1.661	-26.454	4662.373	1.08
1296_1296	1296	1296	38.045	565.502	-2.646	-0.36	26.478	-4662.5	1.08

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1296_1297	1296	1297	-11.33	-534.98	2.646	0.359	-3.211	9377.396	1.08
1297_1297	1297	1297	11.038	495.736	0.565	26.029	3.211	-9377.77	1.08
1297_1298	1297	1298	0.4	-481.675	-0.565	-26.029	-5.5	11304.79	1
1298_1298	1298	1298	38.531	482.125	0.767	14.88	1.91	-11524.1	1
1298_1299	1298	1299	-19.462	-448.889	-0.767	-14.88	-8.402	15375.8	1
1299_1299	1299	1299	19.405	448.989	0.819	-24.86	8.402	-15375.4	1
1299_1300	1299	1300	3.535	-401.935	-0.819	24.86	-18.219	20367.66	1
1300_1300	1300	1300	-3.556	354.609	1.315	42.376	18.219	-20367.5	1
1300_1301	1300	1301	23.842	-302.93	-1.315	-42.376	-35.523	24601.03	1
1301_1301	1301	1301	-23.799	303.05	1.38	-43.099	35.523	-24601.3	1
1301_1302	1301	1302	36.665	-258.576	-1.38	43.099	-51.154	27723.03	1
1302_1302	1302	1302	-36.708	206.862	-0.143	60.377	51.154	-27722.8	1
1302_1303	1302	1303	47.4	-154.01	0.143	-60.377	-49.223	30103.25	1
1303_1303	1303	1303	-47.35	154.13	-0.067	-64.962	49.223	-30103.5	1
1303_1304	1303	1304	51.642	-110.784	0.067	64.962	-48.483	31547.2	1
1304_1304	1304	1304	-51.681	56.9	1.161	57.71	48.483	-31547.1	1
1304_1305	1304	1305	52.572	-5.605	-1.161	-57.71	-63.658	31953.19	1
1305_1305	1305	1305	-52.532	5.725	1.226	-56.192	63.658	-31953.4	1
1305_1306	1305	1306	48.677	39.151	-1.226	56.192	-77.674	31782.26	1
1306_1306	1306	1306	-48.682	-95.44	0.062	54.141	77.674	-31782.2	1
1306_1307	1306	1307	38.882	142.01	-0.062	-54.141	-78.414	30422.02	1
1307_1307	1307	1307	-38.896	-141.891	0.119	-41.396	78.414	-30422	1
1307_1308	1307	1308	23.333	191.499	-0.119	41.396	-79.921	28391.13	1
1308_1308	1308	1308	-23.317	-241.683	1.979	48.506	79.921	-28391.3	1
1308_1309	1308	1309	4.328	289.435	-1.979	-48.506	-103.991	25252.95	1
1309_1309	1309	1309	-4.321	-289.316	2.041	-38.299	103.991	-25252.9	1
1309_1310	1309	1310	-19.948	337.765	-2.041	38.299	-129.182	21500.37	1
1310_1310	1310	1310	19.94	-382.45	-1.703	31.159	129.182	-21500.3	1
1310_1311	1310	1311	-49.332	432.739	1.703	-31.159	-107.371	16420.26	1
1311_1311	1311	1311	49.327	-432.614	-1.64	-24.186	107.371	-16420.3	1
1311_1312	1311	1312	-84.068	482.793	1.64	24.186	-86.403	10736.54	1
1312_1312	1312	1312	83.91	-525.7	-4.813	5.781	86.403	-10735.8	1
1312_1313	1312	1313	-145.126	596.18	4.813	-5.781	0	958.882	1
1400_1020	1400	1020	2432.959	-222.56	-25.064	0.617	-195.056	-3242.11	1
1400_1401	1400	1401	-2434.01	226.543	25.064	-0.617	297.609	2323.321	1
1401_1401	1401	1401	2432.762	-221.077	18.973	-5.512	-306.22	-2323.05	1
1401_1402	1401	1402	-2433.67	224.471	-18.973	5.512	240.015	1545.665	1
1402_1402	1402	1402	2438.364	-165.617	20.966	1.577	-239.7	-1545.72	1
1402_1403	1402	1403	-2441.46	176.166	-20.966	-1.577	10.791	-320.117	1
1403_1403	1403	1403	2463.882	-102.613	3.247	-0.475	-23.181	320.09	1
1403_1404	1403	1404	-2466.14	109.513	-3.247	0.475	-0.231	-1084.83	1
1404_1404	1404	1404	2468.019	-52.093	1.78	0.169	0.449	1084.825	1
1404_1405	1404	1405	-2470.44	58.942	-1.78	-0.169	-13.293	-1485.31	1
1405_1405	1405	1405	2468.286	25.598	1.251	-0.293	0.924	1485.284	1
1405_1406	1405	1406	-2473.59	-12.095	-1.251	0.293	-18.947	-1213.68	1
1406_1406	1406	1406	2468.118	97.277	0.125	-0.429	7.368	1213.66	1
1406_1407	1406	1407	-2471.67	-89.093	-0.125	0.429	-8.471	-387.832	1
1407_1407	1407	1407	2469.261	140.881	-1.21	-0.402	8.554	387.831	1
1407_1408	1407	1408	-2471.72	-135.539	1.21	0.402	-1.827	380.263	1
1408_1408	1408	1408	2444.841	-385.424	2.563	1.227	3.837	-380.274	1
1408_1409	1408	1409	-2445.54	388.541	-2.563	-1.227	-11.577	-788.573	1
1409_1409	1409	1409	2439.597	362.262	3.392	-2.05	11.762	788.014	1
1409_1410	1409	1410	-2438.9	-359.145	-3.392	2.05	-22.008	301.46	1
1410_1410	1410	1410	2450.765	-159.477	1.389	-0.911	18.595	-301.474	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1410_1411	1410	1411	-2448.31	164.819	-1.389	0.911	-26.314	-599.657	1
1411_1411	1411	1411	2451.216	-113.703	-2.892	-0.433	25.844	599.678	1
1411_1412	1411	1412	-2447.66	121.885	2.892	0.433	-0.221	-1643.36	1
1412_1412	1412	1412	2444.991	-37.099	-0.053	-0.713	10.967	1643.36	1
1412_1413	1412	1413	-2439.69	50.607	0.053	0.713	-10.207	-2275.47	1
1413_1413	1413	1413	2434.43	32.263	-3.299	-0.114	19.577	2275.492	1
1413_1414	1413	1414	-2432.01	-25.419	3.299	0.114	4.204	-2067.59	1
1414_1414	1414	1414	2430.764	82.044	-1.723	-1.372	-3.762	2067.594	1
1414_1415	1414	1415	-2428.51	-75.149	1.723	1.372	16.178	-1501.31	1
1415_1415	1415	1415	2408.143	148.487	-10.702	-1.18	-6.412	1501.311	1
1415_1416	1415	1416	-2405.05	-137.93	10.702	1.18	123.339	63.374	1
1416_1416	1416	1416	2400.918	194.29	-35.449	1.039	-123.154	-63.736	1
1416_1417	1416	1417	-2400.01	-190.903	35.449	-1.039	246.609	734.474	1
1417_1417	1417	1417	2401.649	198.793	18.289	-1.395	-239.387	-734.504	1
1417_1036	1417	1036	-2400.6	-194.8	-18.289	1.395	164.385	1541.543	1.02
1420_1056	1420	1056	1996.088	-210.781	-24.944	0.695	-53.444	-3541.64	1
1420_1421	1420	1421	-1997.02	214.312	24.944	-0.695	155.548	2671.624	1
1421_1421	1421	1421	1996.421	-209.175	12.592	-1.005	-162.592	-2671.58	1
1421_1422	1421	1422	-1997.22	212.179	-12.592	1.005	118.703	1937.288	1
1422_1422	1422	1422	2001.702	-164.721	11.721	0.949	-118.946	-1937.27	1
1422_1423	1422	1423	-2004.44	174.072	-11.721	-0.949	-9.078	87.053	1
1423_1423	1423	1423	2021.395	-113.329	1.976	0.212	-2.432	-87.016	1
1423_1424	1423	1424	-2023.39	119.434	-1.976	-0.212	-11.798	-751.095	1
1424_1424	1424	1424	2025.594	-73.217	-0.077	0.714	12.072	751.09	1
1424_1425	1424	1425	-2027.74	79.286	0.077	-0.714	-11.514	-1301.21	1
1425_1425	1425	1425	2030.111	-10.203	0.886	0.387	0.437	1301.258	1
1425_1426	1425	1426	-2034.81	22.171	-0.886	-0.387	-13.202	-1534.58	1
1426_1426	1426	1426	2035.902	48.264	0.428	-0.405	2.628	1534.642	1
1426_1427	1426	1427	-2039.05	-41.015	-0.428	0.405	-6.416	-1139.18	1
1427_1427	1427	1427	2037.746	83.598	-3.573	1.656	7.415	1139.171	1
1427_1428	1427	1428	-2039.93	-78.836	3.573	-1.656	12.44	-687.895	1
1428_1428	1428	1428	2015.435	-351.387	0.865	-0.208	-10.593	687.87	1
1428_1429	1428	1429	-2016.06	354.165	-0.865	0.208	7.981	-1752.74	1
1429_1429	1429	1429	2017.071	360.133	0.076	0.656	-8.08	1755.287	1
1429_1430	1429	1430	-2016.45	-357.346	-0.076	-0.656	7.85	-668.921	1
1430_1430	1430	1430	2044.243	-74.654	2.35	-0.711	-10.373	668.919	1
1430_1431	1430	1431	-2042.06	79.415	-2.35	0.711	-2.686	-1096.96	1
1431_1431	1431	1431	2043.266	-36.908	-0.606	0.809	1.986	1096.959	1
1431_1432	1431	1432	-2040.12	44.155	0.606	-0.809	3.383	-1455.96	1
1432_1432	1432	1432	2040.045	26.331	-0.571	0.167	8.33	1456.027	1
1432_1433	1432	1433	-2035.34	-14.365	0.571	-0.167	-0.098	-1162.8	1
1433_1433	1433	1433	2035.232	83.609	1.18	-0.189	11.538	1162.87	1
1433_1434	1433	1434	-2033.09	-77.541	-1.18	0.189	-20.046	-581.745	1
1434_1434	1434	1434	2030.743	124.715	-2.368	0.383	19.697	581.757	1
1434_1435	1434	1435	-2028.74	-118.603	2.368	-0.383	-2.626	295.097	1
1435_1435	1435	1435	2006.414	179.336	-20.034	-0.206	15.025	-295.027	1
1435_1436	1435	1436	-2003.68	-169.982	20.034	0.206	203.872	2203.387	1
1436_1436	1436	1436	1999.1	216.937	-23.446	0.703	-202.785	-2203.49	1
1436_1437	1436	1437	-1998.3	-213.935	23.446	-0.703	284.45	2953.873	1
1437_1437	1437	1437	1999.567	219.478	21.1	-0.879	-281.68	-2953.55	1
1437_1072	1437	1072	-1998.64	-215.949	-21.1	0.879	195.362	3844.204	1
1440_1094	1440	1094	2357.768	-198.317	-22.646	0.132	15.454	-2189.37	1.01
1440_1441	1440	1441	-2358.69	201.818	22.646	-0.132	77.309	1369.859	1
1441_1441	1441	1441	2356.979	-195.535	7.24	-0.99	-89.402	-1369.81	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1441_1442	1441	1442	-2357.77	198.514	-7.24	0.99	64.141	682.338	1
1442_1442	1442	1442	2361.857	-141.906	7.265	0.557	-64.144	-682.338	1
1442_1443	1442	1443	-2364.57	151.169	-7.265	-0.557	-15.219	-918.44	1
1443_1443	1443	1443	2377.874	-78.684	0.702	0.373	0.765	918.48	1
1443_1444	1443	1444	-2379.85	84.73	-0.702	-0.373	-5.82	-1506.72	1
1444_1444	1444	1444	2381.166	-30.433	1.029	0.033	5.753	1506.725	1
1444_1445	1444	1445	-2383.29	36.444	-1.029	-0.033	-13.173	-1747.92	1
1445_1445	1445	1445	2386.64	44.795	0.931	0.144	-0.882	1747.978	1
1445_1446	1445	1446	-2391.3	-32.934	-0.931	-0.144	-12.54	-1187.51	1
1446_1446	1446	1446	2393.763	116.923	2.343	0.116	-1.738	1187.563	1
1446_1447	1446	1447	-2396.88	-109.747	-2.343	-0.116	-19.012	-183.852	1
1447_1447	1447	1447	2394.117	159.039	-1.28	-0.005	19.134	183.839	1
1447_1448	1447	1448	-2396.29	-154.318	1.28	0.005	-12.019	687.058	1
1448_1448	1448	1448	2387.066	-352.272	-13.814	4.126	14.581	-687.104	1
1448_1449	1448	1449	-2387.68	355.02	13.814	-4.126	27.051	-378.703	1
1449_1449	1449	1449	2386.612	353.305	15.654	-4.115	-27.052	379.079	1
1449_1450	1449	1450	-2386	-350.546	-15.654	4.115	-20.294	685.349	1
1450_1450	1450	1450	2392.748	-157.288	-1.569	0.046	17.744	-685.332	1
1450_1451	1450	1451	-2390.58	162.01	1.569	-0.046	-9.021	-202.269	1
1451_1451	1451	1451	2393.406	-112.821	-0.816	-0.202	9.048	202.268	1
1451_1452	1451	1452	-2390.29	120	0.816	0.202	-1.821	-1233.42	1
1452_1452	1452	1452	2385.629	-36.661	-1.272	-0.158	15.422	1233.437	1
1452_1453	1452	1453	-2380.97	48.515	1.272	0.158	2.907	-1847.31	1
1453_1453	1453	1453	2375.409	33.267	-0.445	-0.201	10.986	1847.327	1
1453_1454	1453	1454	-2373.29	-27.256	0.445	0.201	-7.775	-1629.02	1
1454_1454	1454	1454	2372.119	79.313	-0.637	-0.238	7.725	1629.022	1
1454_1455	1454	1455	-2370.14	-73.285	0.637	0.238	-3.149	-1081.1	1
1455_1455	1455	1455	2356.156	148.907	-7.004	-0.437	17.622	1081.138	1
1455_1456	1455	1456	-2353.44	-139.626	7.004	0.437	59.023	497.631	1
1456_1456	1456	1456	2349.512	194.812	-9.028	0.509	-58.9	-497.646	1
1456_1457	1456	1457	-2348.72	-191.833	9.028	-0.509	90.403	1172.199	1
1457_1457	1457	1457	2350.815	198.43	20.755	-0.302	-78.706	-1172.15	1
1457_1110	1457	1110	-2349.89	-194.93	-20.755	0.302	-6.311	1977.787	1.01
1460_1132	1460	1132	1974.644	-202.011	4.444	0.038	206.315	-3255.05	1.03
1460_1461	1460	1461	-1975.56	205.51	-4.444	-0.038	-224.51	2420.711	1
1461_1461	1461	1461	1973.038	-200.486	-19.1	1.838	205.664	-2420.71	1
1461_1462	1461	1462	-1973.83	203.464	19.1	-1.838	-139.043	1716.198	1
1462_1462	1462	1462	1978.163	-156.044	-17.33	0.073	139.508	-1716.16	1
1462_1463	1462	1463	-1980.88	165.304	17.33	-0.073	49.743	-38.462	1
1463_1463	1463	1463	1975.859	-104.535	2.611	1.143	-63.255	38.173	1
1463_1464	1463	1464	-1977.84	110.588	-2.611	-1.143	44.435	-813.47	1
1464_1464	1464	1464	1979.857	-64.633	8.275	-0.18	-45.227	813.427	1
1464_1465	1464	1465	-1981.98	70.642	-8.275	0.18	-14.454	-1301.26	1
1465_1465	1465	1465	1964.935	-0.461	1.686	0.462	-1.911	1301.159	1
1465_1466	1465	1466	-1969.59	12.313	-1.686	-0.462	-22.388	-1393.2	1
1466_1466	1466	1466	1941.151	60.755	-4.528	0.604	7.474	1393.096	1
1466_1467	1466	1467	-1944.27	-53.579	4.528	-0.604	32.628	-886.853	1
1467_1467	1467	1467	1942.764	93.516	-0.781	-0.4	-33.378	886.825	1
1467_1468	1467	1468	-1944.93	-88.795	0.781	0.4	37.718	-380.137	1
1468_1468	1468	1468	1893.085	-307.443	9.721	-19.421	-36.067	379.937	1
1468_1469	1468	1469	-1893.7	310.201	-9.721	19.421	6.676	-1313.67	1
1469_1469	1469	1469	1879.272	304.281	-4.932	19.408	-32.519	1273.126	1
1469_1470	1469	1470	-1878.66	-301.523	4.932	-19.408	47.43	-357.294	1
1470_1470	1470	1470	1924.136	-91.519	2.607	-0.307	-49.143	357.096	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1470_1471	1470	1471	-1921.97	96.24	-2.607	0.307	34.654	-878.908	1
1471_1471	1471	1471	1923.537	-56.682	4.632	-0.508	-34.256	878.924	1
1471_1472	1471	1472	-1920.42	63.859	-4.632	0.508	-6.763	-1412.66	1
1472_1472	1472	1472	1940.874	8.526	-1.988	-0.725	20.861	1412.575	1
1472_1473	1472	1473	-1936.22	3.335	1.988	0.725	7.81	-1375.15	1
1473_1473	1473	1473	1948.58	64.881	-0.959	-0.74	6.122	1375.014	1
1473_1474	1473	1474	-1946.46	-58.872	0.959	0.74	0.794	-928.733	1
1474_1474	1474	1474	1944.611	103.251	-1.177	-0.616	-0.845	928.733	1
1474_1475	1474	1475	-1942.63	-97.206	1.177	0.616	9.321	-207.208	1
1475_1475	1475	1475	1948.078	157.045	0.262	-0.639	3.984	207.119	1
1475_1476	1475	1476	-1945.37	-147.784	-0.262	0.639	-6.841	1457.618	1
1476_1476	1476	1476	1941.259	194.414	1.6	0.23	6.548	-1457.62	1
1476_1477	1476	1477	-1940.46	-191.436	-1.6	-0.23	-12.129	2130.698	1
1477_1477	1477	1477	1942.076	196.671	6.264	0.213	25.61	-2130.74	1
1477_1148	1477	1148	-1941.16	-193.171	-6.264	-0.213	-51.264	2929.041	1
1480_1168	1480	1168	1726.47	-191.339	16.261	0.777	-47.89	-3490.34	1
1480_1481	1480	1481	-1727.39	194.839	-16.261	-0.777	-18.712	2699.507	1
1481_1481	1481	1481	1726.342	-190.569	-3.601	-4.348	2.707	-2699.42	1
1481_1482	1481	1482	-1727.14	193.547	3.601	4.348	9.856	2029.402	1
1482_1482	1482	1482	1731.284	-152.087	1.558	2.096	-8.14	-2029.41	1
1482_1483	1482	1483	-1734	161.349	-1.558	-2.096	-8.874	317.644	1
1483_1483	1483	1483	1708.683	-109.288	0.322	0.904	-4.57	-317.737	1
1483_1484	1483	1484	-1710.66	115.342	-0.322	-0.904	2.251	-491.862	1
1484_1484	1484	1484	1712.88	-75.556	0.561	0.887	-2.254	491.862	1
1484_1485	1484	1485	-1715	81.565	-0.561	-0.887	-1.789	-1058.48	1
1485_1485	1485	1485	1680.034	-21.396	3.161	0.854	-12.514	1058.389	1
1485_1486	1485	1486	-1684.69	33.247	-3.161	-0.854	-33.04	-1452.12	1
1486_1486	1486	1486	1640.409	29.823	-10.404	0.712	19.596	1452.028	1
1486_1487	1486	1487	-1643.53	-22.647	10.404	-0.712	72.538	-1219.7	1
1487_1487	1487	1487	1642.732	56.417	-7.255	-0.1	-73.566	1219.642	1
1487_1488	1487	1488	-1644.9	-51.696	7.255	0.1	113.892	-919.167	1
1488_1488	1488	1488	1567.586	-275.527	13.521	-34.499	-113.529	918.996	1
1488_1489	1488	1489	-1568.2	278.284	-13.521	34.499	72.647	-1756.23	1
1489_1489	1489	1489	1572.136	280.361	-15.089	34.673	-33.597	1766.957	1
1489_1490	1489	1490	-1571.52	-277.604	15.089	-34.673	79.22	-923.446	1
1490_1490	1490	1490	1646.302	-49.532	5.851	-0.276	-81.015	923.066	1
1490_1491	1490	1491	-1644.13	54.252	-5.851	0.276	48.493	-1211.5	1
1491_1491	1491	1491	1644.895	-20.418	7.57	-0.537	-47.941	1211.522	1
1491_1492	1491	1492	-1641.78	27.594	-7.57	0.537	-19.098	-1424.11	1
1492_1492	1492	1492	1686.662	35.222	-3.026	-0.939	32.11	1423.964	1
1492_1493	1492	1493	-1682.01	-23.371	3.026	0.939	11.5	-1001.78	1
1493_1493	1493	1493	1715.733	83.516	-0.683	-1.026	1.988	1001.674	1
1493_1494	1493	1494	-1713.61	-77.507	0.683	1.026	2.941	-420.988	1
1494_1494	1494	1494	1711.348	117.309	-0.922	-0.897	-2.984	420.988	1
1494_1495	1494	1495	-1709.37	-111.255	0.922	0.897	9.631	402.792	1
1495_1495	1495	1495	1732.081	163.141	-1.377	-0.573	2.641	-402.876	1
1495_1496	1495	1496	-1729.37	-153.879	1.377	0.573	12.403	2134.217	1
1496_1496	1496	1496	1725.18	195.316	-1.734	-0.731	-12.291	-2134.22	1
1496_1497	1496	1497	-1724.39	-192.338	1.734	0.731	18.342	2810.443	1
1497_1497	1497	1497	1725.537	196.691	-8.165	-0.538	-6.766	-2810.48	1
1497_1184	1497	1184	-1724.62	-193.192	8.165	0.538	40.204	3608.86	1.02
1500_1204	1500	1204	2132.407	-216.436	-29.44	-0.135	33.026	-3497.48	1.01
1500_1501	1500	1501	-2133.5	220.575	29.44	0.135	87.544	2602.588	1
1501_1501	1501	1501	2132.28	-215.268	7.642	0.252	-92.619	-2602.67	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1501_1502	1501	1502	-2133.22	218.79	-7.642	-0.252	65.958	1845.496	1
1502_1502	1502	1502	2137.903	-166.996	6.211	0.587	-66.303	-1845.48	1
1502_1503	1502	1503	-2141.11	177.939	-6.211	-0.587	-1.474	-36.625	1
1503_1503	1503	1503	2163.164	-113.942	0.554	0.516	-6.294	36.564	1
1503_1504	1503	1504	-2165.51	121.102	-0.554	-0.516	2.302	-883.701	1
1504_1504	1504	1504	2167.734	-70.745	0.857	0.444	-2.334	883.701	1
1504_1505	1504	1505	-2170.24	77.852	-0.857	-0.444	-3.85	-1419.58	1
1505_1505	1505	1505	2181.055	-4.14	0.591	0.326	-4.266	1419.516	1
1505_1506	1505	1506	-2186.56	18.167	-0.591	-0.326	-4.253	-1580.36	1
1506_1506	1506	1506	2192.751	58.301	1.953	-0.138	-3.794	1580.271	1
1506_1507	1506	1507	-2196.44	-49.814	-1.953	0.138	-13.499	-1101.55	1
1507_1507	1507	1507	2194.951	94.985	-0.353	0.719	14.014	1101.543	1
1507_1508	1507	1508	-2197.49	-89.45	0.353	-0.719	-12.051	-588.969	1
1508_1508	1508	1508	2175.647	-375.21	-2.823	2.896	15.288	588.995	1
1508_1509	1508	1509	-2176.37	378.443	2.823	-2.896	-6.752	-1728.34	1
1509_1509	1509	1509	2176.555	376.601	-1.817	-3.061	6.792	1728.055	1
1509_1510	1509	1510	-2175.83	-373.378	1.817	3.061	-1.318	-597.923	1
1510_1510	1510	1510	2202.962	-90.013	2.532	-1.298	-0.861	598.008	1
1510_1511	1510	1511	-2200.42	95.549	-2.532	1.298	-13.21	-1113.73	1
1511_1511	1511	1511	2201.919	-50.321	-1.704	0.552	12.259	1113.745	1
1511_1512	1511	1512	-2198.23	58.808	1.704	-0.552	2.832	-1596.94	1
1512_1512	1512	1512	2196.774	17.648	-0.024	-0.309	6.042	1596.877	1
1512_1513	1512	1513	-2191.27	-3.621	0.024	0.309	-5.7	-1443.52	1
1513_1513	1513	1513	2187.106	77.424	-1.1	-0.404	13.701	1443.443	1
1513_1514	1513	1514	-2184.6	-70.316	1.1	0.404	-5.77	-910.659	1
1514_1514	1514	1514	2182.374	121.066	-1.406	-0.408	5.716	910.659	1
1514_1515	1514	1515	-2180.03	-113.906	1.406	0.408	4.415	-63.785	1
1515_1515	1515	1515	2160.534	177.951	-13.282	-1.427	3.616	63.699	1
1515_1516	1515	1516	-2157.33	-167.007	13.282	1.427	141.324	1818.535	1
1516_1516	1516	1516	2152.651	219.269	-11.837	3.255	-141.652	-1818.51	1
1516_1517	1516	1517	-2151.71	-215.747	11.837	-3.255	182.949	2577.351	1
1517_1517	1517	1517	2150.719	220.985	31.847	-0.153	-178.615	-2577.47	1
1517_1220	1517	1220	-2149.63	-216.846	-31.847	0.153	48.186	3474.04	1
1520_1241	1520	1241	2077.977	-266.569	-18.315	45.145	-404.281	-5850.3	1
1520_1521	1520	1521	-2079.29	271.547	18.315	-45.145	479.373	4747.133	1
1521_1521	1521	1521	2068.272	-265.896	35.814	6.71	-473.478	-4759.92	1
1521_1522	1521	1522	-2069.4	270.119	-35.814	-6.71	348.754	3826.556	1
1522_1522	1522	1522	2075.339	-220.994	28.313	0.694	-352.681	-3826.2	1
1522_1523	1522	1523	-2079.19	234.144	-28.313	-0.694	43.607	1342.038	1
1523_1523	1523	1523	2108.222	-172.495	6.217	0.74	-50.788	-1342.03	1
1523_1524	1523	1524	-2111.03	181.095	-6.217	-0.74	5.979	67.689	1
1524_1524	1524	1524	2114.676	-132.046	2.538	0.758	-6.002	-67.687	1
1524_1525	1524	1525	-2117.69	140.584	-2.538	-0.758	-12.303	-915.52	1
1525_1525	1525	1525	2112.995	-70.766	-1.268	0.223	6.886	914.32	1
1525_1526	1525	1526	-2119.61	87.606	1.268	-0.223	11.397	-2055.68	1
1526_1526	1526	1526	2112.473	-16.21	-0.563	-1.915	-14.695	2053.187	1
1526_1527	1526	1527	-2116.91	26.412	0.563	1.915	19.686	-2242.02	1
1527_1527	1527	1527	2116.991	17.588	-4.618	2.773	-17.757	2242.035	1
1527_1528	1527	1528	-2120.02	-10.99	4.618	-2.773	43.428	-2162.61	1
1528_1528	1528	1528	2069.124	-433.953	0.893	-2.677	-36.705	2161.832	1
1528_1529	1528	1529	-2069.99	437.803	-0.893	2.677	34.008	-3478.39	1
1529_1529	1529	1529	2067.81	429.186	4.337	1.538	-33.753	3475.638	1
1529_1530	1529	1530	-2066.95	-425.336	-4.337	-1.538	20.656	-2185.4	1
1530_1530	1530	1530	2108.625	-15.977	7.724	-2.412	-27.614	2184.427	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1530_1531	1530	1531	-2105.59	22.578	-7.724	2.412	-15.332	-2291.61	1
1531_1531	1531	1531	2105.624	20.413	5.025	0.226	13.998	2291.62	1
1531_1532	1531	1532	-2101.19	-10.219	-5.025	-0.226	-58.497	-2155.99	1
1532_1532	1532	1532	2099.247	83.717	-0.749	-0.894	59.504	2154.542	1
1532_1533	1532	1533	-2092.63	-66.873	0.749	0.894	-48.705	-1069.05	1
1533_1533	1533	1533	2091.801	138.26	-2.153	-0.338	51.478	1068.563	1
1533_1534	1533	1534	-2088.79	-129.722	2.153	0.338	-35.946	-102.155	1
1534_1534	1534	1534	2085.202	178.288	-3.84	-1.09	35.901	102.166	1
1534_1535	1534	1535	-2082.39	-169.687	3.84	1.09	-8.218	1152.101	1
1535_1535	1535	1535	2081.707	231.273	-1.532	0.874	14.089	-1151.06	1
1535_1536	1535	1536	-2077.85	-218.121	1.532	-0.874	2.638	3604.205	1
1536_1536	1536	1536	2071.945	268.453	-5.405	-6.04	-0.754	-3604.2	1
1536_1537	1536	1537	-2070.82	-264.22	5.405	6.04	19.619	4533.852	1
1537_1537	1537	1537	2071.987	269.352	-12.783	-44.627	-16.068	-4541.95	1
1537_1255	1537	1255	-2070.68	-264.388	12.783	44.627	68.345	5633.32	1.01
1540_1279	1540	1279	2890.861	-263.688	87.818	151.764	694.353	-2505.56	1.02
1540_1541	1540	1541	-2892.27	269.038	-87.818	-151.764	-1053.98	1414.766	1
1541_1541	1541	1541	2952.765	-239.535	-56.805	21.538	1044.798	-1469.95	1
1541_1542	1541	1542	-2953.98	244.093	56.805	-21.538	-846.465	625.658	1
1542_1542	1542	1542	2958.911	-172.331	-62.916	-0.336	846.353	-626.18	1
1542_1543	1542	1543	-2963.06	186.487	62.916	0.336	-159.358	-1332.84	1
1543_1543	1543	1543	2919.057	-107.533	-7.271	-3.621	153.952	1332.042	1
1543_1544	1543	1544	-2922.08	116.79	7.271	3.621	-101.534	-2140.61	1
1544_1544	1544	1544	2923.967	-48.084	-19.185	2.765	104.519	2140.472	1
1544_1545	1544	1545	-2927.21	57.265	19.185	-2.765	33.758	-2520.13	1
1545_1545	1545	1545	2918.913	37.93	0.74	-0.692	-34.243	2515.755	1
1545_1546	1545	1546	-2926.03	-19.808	-0.74	0.692	23.579	-2099.66	1
1546_1546	1546	1546	2930.546	119.618	7.68	-0.756	-23.584	2097.125	1
1546_1547	1546	1547	-2935.32	-108.646	-7.68	0.756	-44.425	-1086.42	1
1547_1547	1547	1547	2932.546	167.625	3.151	-0.014	45.151	1086.393	1
1547_1548	1547	1548	-2935.8	-160.535	-3.151	0.014	-62.683	-173.465	1
1548_1548	1548	1548	2929.494	-459.198	-14.521	4.056	71.238	170.432	1
1548_1549	1548	1549	-2930.42	463.328	14.521	-4.056	-27.394	-1563.11	1
1549_1549	1549	1549	2947.463	485.033	-20.232	-5.978	27.951	1567.389	1
1549_1550	1549	1550	-2946.51	-480.972	20.232	5.978	32.254	-130.078	1
1550_1550	1550	1550	2986.567	-163.321	11.17	-2.005	-34.859	135.063	1
1550_1551	1550	1551	-2983.13	170.473	-11.17	2.005	-28.359	-1079.63	1
1551_1551	1551	1551	2986.285	-101.557	7.141	-1.225	27.656	1079.654	1
1551_1552	1551	1552	-2981.6	111.925	-7.141	1.225	-87.805	-1978.74	1
1552_1552	1552	1552	2997.771	5.439	-0.075	-2.29	87.827	1977.005	1
1552_1553	1552	1553	-2990.64	12.191	0.075	2.29	-86.773	-2024.54	1
1553_1553	1553	1553	2999.779	99.342	-9.778	-2.834	86.425	2022.401	1
1553_1554	1553	1554	-2996.55	-90.39	9.778	2.834	-17.542	-1354.09	1
1554_1554	1554	1554	2993.223	167.392	-13.287	-1.666	16.927	1354.097	1
1554_1555	1554	1555	-2990.22	-158.356	13.287	1.666	76.726	-206.085	1
1555_1555	1555	1555	2980.684	260.458	-27.798	-1.479	-74.372	204.551	1
1555_1556	1555	1556	-2976.65	-246.655	27.798	1.479	370.32	2494.882	1
1556_1556	1556	1556	2968.555	329.413	-34.527	3.001	-368.688	-2495.12	1
1556_1557	1556	1557	-2967.38	-324.938	34.527	-3.001	486.935	3615.62	1
1557_1557	1557	1557	2942.439	350.252	23.544	7.807	-486.009	-3615.27	1
1557_1291	1557	1291	-2940.57	-342.914	-23.544	-7.807	354.045	5557.863	1.01
41000_1000	41000	1000	-2.664	388.927	-0.509	-8.394	0	-12.642	1
41000_1001	41000	1001	2.664	-339.204	0.509	8.394	8.654	6203.767	1
41001_1001	41001	1001	-2.663	339.204	-0.514	3.797	-8.654	-6203.77	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
41001_1002	41001	1002	2.663	-307.469	0.514	-3.797	14.234	9713.022	1
41002_1002	41002	1002	-2.6	284.159	1.688	-7.922	-14.234	-9712.32	1
41002_1003	41002	1003	2.6	-248.508	-1.688	7.922	-6.346	12959.67	1
41003_1003	41003	1003	-2.601	248.508	1.686	2.643	6.346	-12959.7	1
41003_1004	41003	1004	2.601	-212.854	-1.686	-2.643	-26.901	15772.56	1
41004_1004	41004	1004	-2.637	188.552	0.29	-9.416	26.901	-15771.3	1
41004_1005	41004	1005	2.637	-152.888	-0.29	9.416	-30.439	17853.65	1
41005_1005	41005	1005	-2.637	152.888	0.288	5.127	30.439	-17853.6	1
41005_1006	41005	1006	2.637	-117.221	-0.288	-5.127	-33.95	19501.08	1
41006_1006	41006	1006	-2.642	89.919	0.059	-9.428	33.95	-19500	1
41006_1007	41006	1007	2.642	-54.27	-0.059	9.428	-34.675	20378.91	1
41007_1007	41007	1007	-2.642	54.27	0.057	7.174	34.675	-20378.9	1
41007_1008	41007	1008	2.642	-18.618	-0.057	-7.174	-35.375	20823.28	1
41008_1008	41008	1008	-2.639	-9.776	0.361	-7.301	35.375	-20822.5	1
41008_1009	41008	1009	2.639	45.409	-0.361	7.301	-39.778	20486.26	1
41009_1009	41009	1009	-2.639	-45.409	0.359	7.376	39.778	-20486.3	1
41009_1010	41009	1010	2.639	81.075	-0.359	-7.376	-44.162	19714.85	1
41010_1010	41010	1010	-2.642	-109.291	0.008	-14.629	44.162	-19714.5	1
41010_1011	41010	1011	2.642	144.935	-0.008	14.629	-44.257	18164.97	1
41011_1011	41011	1011	-2.642	-144.935	0.003	16.782	44.257	-18165	1
41011_1012	41011	1012	2.642	180.557	-0.003	-16.782	-44.295	16182.28	1
41012_1012	41012	1012	-2.642	-208.585	-0.567	7.206	44.295	-16182.2	1
41012_1013	41012	1013	2.642	244.239	0.567	-7.206	-37.387	13421.4	1
41013_1013	41013	1013	-2.643	-244.239	-0.564	-3.717	37.387	-13421.4	1
41013_1014	41013	1014	2.643	279.89	0.564	3.717	-30.505	10226.15	1
41014_1014	41014	1014	-2.643	-307.8	0.47	4.865	30.505	-10226.2	1
41014_1015	41014	1015	2.643	356.728	-0.47	-4.865	-38.378	4666.184	1
41015_1015	41015	1015	1.412	-356.735	0.474	-2.01	38.358	-4667.82	1
41015_1016	41015	1016	-1.668	379.276	-0.474	2.01	-42.268	1631.787	1
41016_1016	41016	1016	10.258	-398.487	3.818	-0.076	32.503	-2508.64	1
41016_1017	41016	1017	-11.318	430.788	-3.818	0.076	-77.363	-2362.81	1.06
41017_1017	41017	1017	23.396	-430.301	3.822	1.307	77.547	2362.807	1.06
41017_1018	41017	1018	-25.778	469.408	-3.822	-1.307	-128.292	-8333.59	1.02
41018_1018	41018	1018	40.708	-487.306	-3.159	-9.84	127.606	8333.444	1.02
41018_1019	41018	1019	-44.161	526.014	3.159	9.84	-87.97	-14687.4	1.01
41019_1019	41019	1019	58.632	-524.598	-3.155	12.278	90.538	14687.35	1.01
41019_1020	41019	1020	-63.454	565.794	3.155	-12.278	-50.823	-21547.6	1
41020_1020	41020	1020	-2139.25	147.926	-4.18	-3.157	144.267	3557.401	1
41020_1021	41020	1021	2139.247	-121.168	4.18	3.157	-104.548	-2278.84	1
41021_1021	41021	1021	-2139.25	121.168	-1.687	-0.502	104.548	2278.842	1
41021_1022	41021	1022	2139.25	-101.451	1.687	0.502	-91.471	-1416.18	1
41022_1022	41022	1022	-2139.25	101.451	1.055	1.313	91.471	1416.18	1
41022_1023	41022	1023	2139.25	-81.738	-1.055	-1.313	-99.649	-706.415	1
41023_1023	41023	1023	-2139.21	63.045	-10.573	-0.479	99.649	706.407	1
41023_1024	41023	1024	2139.213	-42.694	10.573	0.479	-15.068	-283.467	1
41024_1024	41024	1024	-2139.21	42.694	-10.573	-0.479	15.068	283.467	1
41024_1025	41024	1025	2139.213	-22.343	10.573	0.479	69.512	-23.329	1
41025_1025	41025	1025	-2139.23	22.343	-7.915	-0.45	-69.512	23.329	1
41025_1026	41025	1026	2139.225	-1.995	7.915	0.45	132.822	74.004	1
41026_1026	41026	1026	-2139.23	-15.754	-5.023	-0.442	-132.822	-74.004	1
41026_1027	41026	1027	2139.228	31.009	5.023	0.442	162.939	-66.202	1
41027_1027	41027	1027	-2139.23	-31.009	-1.09	-0.321	-162.939	66.203	1
41027_1028	41027	1028	2139.233	46.286	1.09	0.321	169.483	-298.293	1
41028_1028	41028	1028	-2139.23	-46.286	-1.476	-0.374	-169.483	298.293	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
41028_1029	41028	1029	2139.233	61.539	1.476	0.374	178.333	-621.517	1
41029_1029	41029	1029	-2139.23	-61.539	-1.09	-0.262	-178.333	621.517	1
41029_1030	41029	1030	2139.233	76.816	1.09	0.262	184.877	-1036.95	1
41030_1030	41030	1030	-2139.22	-94.198	7.774	-0.27	-184.877	1036.95	1
41030_1031	41030	1031	2139.221	114.538	-7.774	0.27	122.722	-1871.41	1
41031_1031	41031	1031	-2139.22	-114.538	8.058	-0.021	-122.722	1871.408	1
41031_1032	41031	1032	2139.22	134.904	-8.058	0.021	58.216	-2869.83	1
41032_1032	41032	1032	-2139.22	-134.904	7.774	-0.402	-58.216	2869.832	1
41032_1033	41032	1033	2139.221	155.244	-7.774	0.402	-3.939	-4029.74	1
41033_1033	41033	1033	-2139.28	-172.41	-5.886	-24.762	3.939	4029.868	1
41033_1034	41033	1034	2139.276	192.132	5.886	24.762	41.692	-5442.91	1
41034_1034	41034	1034	-2139.28	-192.132	-3.141	-17.779	-41.692	5442.938	1
41034_1035	41034	1035	2139.282	211.852	3.141	17.779	66.042	-7008.66	1
41035_1035	41035	1035	-2139.21	-211.852	17.368	49.414	-66.042	7008.505	1
41035_1036	41035	1036	2139.213	238.607	-17.368	-49.414	-98.985	-9148.59	1.02
41036_1036	41036	1036	11.128	460.883	2.319	-10.59	-11.183	28599.24	1.02
41036_1037	41036	1037	-6.306	-419.694	-2.319	10.59	-18.007	-23060.5	1.02
41037_1037	41037	1037	-5.28	419.708	2.353	7.217	16.076	23060.47	1.02
41037_1038	41037	1038	8.733	-380.985	-2.353	-7.217	-45.606	-18038.4	1.02
41038_1038	41038	1038	-20.349	367.035	-3.287	-3.111	46.342	18039.29	1.02
41038_1039	41038	1039	22.731	-327.962	3.287	3.111	-2.737	-13431.4	1.03
41039_1039	41039	1039	-54.175	257.688	-0.868	-0.636	25.512	1886.191	1.03
41039_1040	41039	1040	55.237	-225.303	0.868	0.636	-15.309	953.388	1.04
41040_1040	41040	1040	-60.258	204.75	-0.24	-0.084	15.282	-953.448	1.04
41040_1041	41040	1041	60.513	-182.273	0.24	0.084	-13.303	2549.905	1.06
41041_1041	41041	1041	-62.581	181.574	-0.225	-0.83	13.301	-2549.91	1.06
41041_1042	41041	1042	62.581	-141.671	0.225	0.83	-9.627	5185.718	1
41042_1042	41042	1042	-62.58	118.251	-0.043	2.237	9.627	-5185.87	1
41042_1043	41042	1043	62.58	-88.936	0.043	-2.237	-9.108	6427.023	1
41043_1043	41043	1043	-62.58	88.936	0.009	-3.109	9.108	-6427.02	1
41043_1044	41043	1044	62.58	-59.624	-0.009	3.109	-9.212	7316.909	1
41044_1044	41044	1044	-62.579	34.613	0.186	2.946	9.212	-7317.11	1
41044_1045	41044	1045	62.579	-5.305	-0.186	-2.946	-11.439	7556.196	1
41045_1045	41045	1045	-62.579	5.305	0.238	-3.342	11.439	-7556.2	1
41045_1046	41045	1046	62.579	24.002	-0.238	3.342	-14.288	7444.225	1
41046_1046	41046	1046	-62.586	-50.023	-0.185	2.653	14.288	-7444.46	1
41046_1047	41046	1047	62.586	79.35	0.185	-2.653	-12.07	6669.12	1
41047_1047	41047	1047	-62.586	-79.35	-0.137	-2.467	12.07	-6669.12	1
41047_1048	41047	1048	62.586	108.651	0.137	2.467	-10.43	5543.43	1
41048_1048	41048	1048	-62.585	-133.357	0.014	3.391	10.43	-5543.56	1
41048_1049	41048	1049	62.585	162.681	-0.014	-3.391	-10.599	3769.61	1
41049_1049	41049	1049	-62.585	-162.681	0.114	-2.648	10.599	-3769.61	1
41049_1050	41049	1050	62.585	191.976	-0.114	2.648	-11.969	1646.437	1
41050_1050	41050	1050	-62.587	-215.043	-0.033	-0.221	11.969	-1646.49	1
41050_1051	41050	1051	62.587	254.909	0.033	0.221	-11.424	-2182.09	1.13
41051_1051	41051	1051	-59.684	-255.604	0.057	2.806	11.456	2182.091	1.13
41051_1052	41051	1052	59.447	276.369	-0.057	-2.806	-11.927	-4374.21	1.06
41052_1052	41052	1052	-52.898	-296.369	0.876	-2.252	11.827	4374.215	1.06
41052_1053	41052	1053	51.918	326.26	-0.876	2.252	-22.12	-8033.48	1.03
41053_1053	41053	1053	-45.403	-328.657	2.655	6.613	25.224	8247.772	1.03
41053_1054	41053	1054	43.052	367.148	-2.655	-6.613	-60.471	-12865.1	1.03
41054_1054	41054	1054	-31.299	-384.1	-1.905	-5.288	59.722	12865.18	1.03
41054_1055	41054	1055	27.903	422.087	1.905	5.288	-35.814	-17921.5	1.01
41055_1055	41055	1055	-16.272	-422.695	-1.849	8.893	37.433	17921.47	1.01

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
41055_1056	41055	1056	11.551	462.968	1.849	-8.893	-14.141	-23495.7	1
41056_1056	41056	1056	-2019.33	198.69	-2.783	-2.606	71.628	6453.352	1
41056_1057	41056	1057	2019.328	-172.273	2.783	2.606	-45.186	-4691.23	1
41057_1057	41057	1057	-2019.33	172.273	-1.34	0.772	45.186	4652.696	1
41057_1058	41057	1058	2019.329	-151.194	1.34	-0.772	-34.806	-3399.88	1
41058_1058	41058	1058	-2019.33	151.194	-1.34	0.772	34.806	3399.883	1
41058_1059	41058	1059	2019.329	-130.115	1.34	-0.772	-24.426	-2310.35	1
41059_1059	41059	1059	-2019.41	112.61	-9.635	-1.637	24.426	2310.384	1
41059_1060	41059	1060	2019.408	-90.823	9.635	1.637	52.715	-1496.02	1
41060_1060	41060	1060	-2019.42	90.823	-7.275	0.111	-52.715	1496.015	1
41060_1061	41060	1061	2019.418	-69.065	7.275	-0.111	110.886	-856.808	1
41061_1061	41061	1061	-2019.43	69.065	-4.6	1.246	-110.886	856.808	1
41061_1062	41061	1062	2019.426	-47.282	4.6	-1.246	147.708	-391.126	1
41062_1062	41062	1062	-2019.4	30.279	-3.021	-0.246	-147.708	391.139	1
41062_1063	41062	1063	2019.399	-13.948	3.021	0.246	165.837	-258.425	1
41063_1063	41063	1063	-2019.4	13.948	0.136	0.158	-165.837	258.425	1
41063_1064	41063	1064	2019.401	2.354	-0.136	-0.158	165.024	-223.695	1
41064_1064	41064	1064	-2019.4	-2.354	0.338	0.181	-165.024	223.695	1
41064_1065	41064	1065	2019.401	18.683	-0.338	-0.181	162.996	-286.816	1
41065_1065	41065	1065	-2019.4	-18.683	3.697	0.658	-162.996	286.815	1
41065_1066	41065	1066	2019.398	35.011	-3.697	-0.658	140.811	-447.905	1
41066_1066	41066	1066	-2019.37	-52.133	5.311	-0.285	-140.811	447.915	1
41066_1067	41066	1067	2019.367	73.913	-5.311	0.285	98.298	-952.338	1
41067_1067	41067	1067	-2019.36	-73.913	7.83	0.903	-98.298	952.337	1
41067_1068	41067	1068	2019.359	95.691	-7.83	-0.903	35.631	-1631.03	1
41068_1068	41068	1068	-2019.36	-95.691	7.685	0.786	-35.631	1631.027	1
41068_1069	41068	1069	2019.36	117.443	-7.685	-0.786	-25.799	-2482.84	1
41069_1069	41069	1069	-2019.49	-134.532	3.071	-0.42	25.799	2482.941	1
41069_1070	41069	1070	2019.485	155.627	-3.071	0.42	-49.604	-3607.59	1
41070_1070	41070	1070	-2019.49	-155.627	3.071	-0.42	49.604	3607.589	1
41070_1071	41070	1071	2019.485	176.722	-3.071	0.42	-73.409	-4895.76	1
41071_1071	41071	1071	-2019.48	-176.722	4.487	3.098	73.409	4934.299	1
41071_1072	41071	1072	2019.482	203.122	-4.487	-3.098	-116.007	-6737.47	1
41072_1072	41072	1072	-6.039	462.354	1.121	-7.496	23.421	23869.33	1
41072_1073	41072	1073	10.76	-422.084	-1.121	7.496	-37.542	-18303.1	1
41073_1073	41073	1073	-22.374	421.627	1.167	5.271	36.088	18303.13	1
41073_1074	41073	1074	25.77	-383.647	-1.167	-5.271	-50.725	-13253.4	1
41074_1074	41074	1074	-37.489	368.789	-2.771	-0.815	51.138	13253.86	1
41074_1075	41074	1075	39.84	-330.313	2.771	0.815	-14.358	-8616.4	1
41075_1075	41075	1075	-46.951	258.246	-0.627	-2.672	20.852	-3911.67	1
41075_1076	41075	1076	47.913	-228.903	0.627	2.672	-13.482	6775.81	1
41076_1076	41076	1076	-53.008	209.288	-0.329	5.109	13.33	-6776.13	1
41076_1077	41076	1077	53.24	-188.896	0.329	-5.109	-10.619	8418.63	1
41077_1077	41077	1077	-55.384	188.278	-0.258	-5.824	10.677	-8402.52	1
41077_1078	41077	1078	55.384	-149.497	0.258	5.824	-6.852	10906.53	1
41078_1078	41078	1078	-55.378	127.331	0.282	5.096	6.852	-10906.8	1
41078_1079	41078	1079	55.378	-97.899	-0.282	-5.096	-10.028	12173.91	1
41079_1079	41079	1079	-55.378	97.899	0.334	-6.202	10.028	-12173.9	1
41079_1080	41079	1080	55.378	-68.442	-0.334	6.202	-13.784	13110.53	1
41080_1080	41080	1080	-55.384	44.113	-0.132	5.567	13.784	-13110.9	1
41080_1081	41080	1081	55.384	-14.658	0.132	-5.567	-12.301	13441.83	1
41081_1081	41081	1081	-55.384	14.658	-0.083	-6.359	12.301	-13441.8	1
41081_1082	41081	1082	55.384	14.795	0.083	6.359	-11.372	13441.06	1
41082_1082	41082	1082	-55.385	-40.588	-0.055	10.555	11.372	-13441.5	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
41082_1083	41082	1083	55.385	72.239	0.055	-10.555	-10.702	12758.84	1
41083_1083	41083	1083	-55.385	-72.239	0.036	-10.517	10.702	-12758.8	1
41083_1084	41083	1084	55.385	103.887	-0.036	10.517	-11.138	11693.32	1
41084_1084	41084	1084	-55.387	-129.256	-0.125	9.394	11.138	-11693.6	1
41084_1085	41084	1085	55.387	158.705	0.125	-9.394	-9.728	10072.62	1
41085_1085	41085	1085	-55.387	-158.705	-0.027	-8.487	9.728	-10072.6	1
41085_1086	41085	1086	55.387	188.152	0.027	8.487	-9.425	8120.184	1
41086_1086	41086	1086	-55.39	-211.25	-0.298	5.809	9.425	-8120.34	1
41086_1087	41086	1087	55.39	240.697	0.298	-5.809	-6.074	5576.364	1
41087_1087	41087	1087	-55.391	-240.697	-0.199	-4.091	6.074	-5576.37	1
41087_1088	41087	1088	55.391	270.142	0.199	4.091	-3.83	2701.077	1
41088_1088	41088	1088	-55.387	-291.169	0.209	1.079	3.83	-2701.19	1
41088_1089	41088	1089	55.387	328.464	-0.209	-1.079	-6.812	-1716.19	1
41089_1089	41089	1089	-51.654	-329.071	0.195	0.508	6.818	1700.078	1
41089_1090	41089	1090	51.409	350.599	-0.195	-0.508	-8.428	-4505.46	1.03
41090_1090	41090	1090	-43.305	-369.103	0.584	-1.227	8.386	4505.451	1.03
41090_1091	41090	1091	42.29	400.021	-0.584	1.227	-15.248	-9024.44	1.02
41091_1091	41091	1091	-34.456	-401.808	2.193	2.992	16.927	9166.088	1.02
41091_1092	41091	1092	32.13	439.966	-2.193	-2.992	-46.03	-14750	1.01
41092_1092	41092	1092	-18.485	-455.475	-1.582	-14.201	44.679	14750.1	1.01
41092_1093	41092	1093	15.124	493.183	1.582	14.201	-24.812	-20703.3	1.01
41093_1093	41093	1093	-1.46	-493.413	-1.49	17.53	28.206	20703.28	1.01
41093_1094	41093	1094	-3.217	533.346	1.49	-17.53	-9.467	-27159.1	1.01
41094_1094	41094	1094	-2255.01	178.745	0.728	-4.723	-52.988	6861.781	1.01
41094_1095	41094	1095	2255.013	-152.545	-0.728	4.723	46.073	-5287.57	1
41095_1095	41095	1095	-2255.01	152.545	1.34	-3.288	-46.073	5287.569	1
41095_1096	41095	1096	2255.012	-131.764	-1.34	3.288	35.685	-4185.47	1
41096_1096	41096	1096	-2255	131.764	7.084	7.373	-35.685	4185.465	1
41096_1097	41096	1097	2255.002	-111.011	-7.084	-7.373	-19.161	-3245.64	1
41097_1097	41097	1097	-2255.1	94.348	-4.66	-2.54	19.161	3245.72	1
41097_1098	41097	1098	2255.098	-72.898	4.66	2.54	18.131	-2576.53	1
41098_1098	41098	1098	-2255.1	72.898	-1.843	0.679	-18.131	2576.532	1
41098_1099	41098	1099	2255.102	-51.448	1.843	-0.679	32.877	-2079.01	1
41099_1099	41099	1099	-2255.1	51.448	-1.843	0.679	-32.877	2079.008	1
41099_1100	41099	1100	2255.102	-29.999	1.843	-0.679	47.623	-1753.13	1
41100_1100	41100	1100	-2255	13.911	11.978	9.461	-47.623	1753.066	1
41100_1101	41100	1101	2254.999	2.176	-11.978	-9.461	-24.259	-1717.85	1
41101_1101	41101	1101	-2255	-2.176	11.896	9.399	24.259	1717.853	1
41101_1102	41101	1102	2254.999	18.235	-11.896	-9.399	-95.532	-1779	1
41102_1102	41102	1102	-2254.99	-18.235	-14.311	-11.276	95.532	1778.986	1
41102_1103	41102	1103	2254.985	34.326	14.311	11.276	-9.62	-1936.76	1
41103_1103	41103	1103	-2255.01	-34.326	-10.556	-8.051	9.62	1936.775	1
41103_1104	41103	1104	2255.006	50.417	10.556	8.051	53.751	-2191.13	1
41104_1104	41104	1104	-2255	-66.398	0.156	-2.234	-53.751	2191.128	1
41104_1105	41104	1105	2254.995	87.825	-0.156	2.234	52.508	-2807.55	1
41105_1105	41105	1105	-2254.99	-87.825	3.06	1.382	-52.508	2807.549	1
41105_1106	41105	1106	2254.993	109.278	-3.06	-1.382	28.019	-3596.31	1
41106_1106	41106	1106	-2254.99	-109.278	3.06	1.382	-28.019	3596.314	1
41106_1107	41106	1107	2254.993	130.731	-3.06	-1.382	3.53	-4556.78	1
41107_1107	41107	1107	-2255.03	-146.942	-3.466	-2.58	-3.53	4556.82	1
41107_1108	41107	1108	2255.028	167.696	3.466	2.58	30.369	-5774.96	1
41108_1108	41108	1108	-2255.03	-167.696	-3.384	-2.368	-30.369	5774.962	1
41108_1109	41108	1109	2255.028	188.478	3.384	2.368	56.602	-7155.69	1
41109_1109	41109	1109	-2255.03	-188.478	-1.088	4.916	-56.602	7155.693	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
41109_1110	41109	1110	2255.031	214.678	1.088	-4.916	66.943	-9071.4	1.01
41110_1110	41110	1110	-11.776	493.375	1.626	-20.656	2.406	29739.23	1.01
41110_1111	41110	1111	16.453	-453.445	-1.626	20.656	-22.854	-23786.5	1.01
41111_1111	41111	1111	-29.002	452.815	1.737	17.103	18.852	23786.53	1.01
41111_1112	41111	1112	32.363	-415.111	-1.737	-17.103	-40.663	-18340.8	1.02
41112_1112	41112	1112	-44.737	402.493	-2.141	-3.915	42.337	18341.23	1.02
41112_1113	41112	1113	47.062	-364.314	2.141	3.915	-13.908	-13252	1.03
41113_1113	41113	1113	-48.607	289.1	-1.15	-0.951	23.247	608.686	1.03
41113_1114	41113	1114	49.618	-258.283	1.15	0.951	-9.738	2606.521	1.05
41114_1114	41114	1114	-55.341	238.976	0.03	6.721	9.625	-2606.62	1.05
41114_1115	41114	1115	55.584	-217.522	-0.03	-6.721	-9.873	4490.185	1.1
41115_1115	41115	1115	-58.052	216.876	0.157	-3.148	9.949	-4473.5	1.1
41115_1116	41115	1116	58.052	-180.548	-0.157	3.148	-12.263	7409.044	1
41116_1116	41116	1116	-58.052	158.925	-0.273	3.542	12.263	-7409.05	1
41116_1117	41116	1117	58.052	-131.255	0.273	-3.542	-9.19	9041.592	1
41117_1117	41117	1117	-58.052	131.255	-0.222	-4.493	9.19	-9041.59	1
41117_1118	41117	1118	58.052	-103.585	0.222	4.493	-6.698	10362.78	1
41118_1118	41118	1118	-58.052	80.132	-0.018	9.47	6.698	-10362.8	1
41118_1119	41118	1119	58.052	-52.439	0.018	-9.47	-6.498	11109.26	1
41119_1119	41119	1119	-58.052	52.439	0.085	-10.108	6.498	-11109.3	1
41119_1120	41119	1120	58.052	-24.77	-0.085	10.108	-7.451	11543.61	1
41120_1120	41120	1120	-58.052	-0.724	-0.241	4.601	7.451	-11543.6	1
41120_1121	41120	1121	58.052	30.482	0.241	-4.601	-4.535	11354.82	1
41121_1121	41121	1121	-58.053	-30.482	-0.194	-4.657	4.535	-11354.8	1
41121_1122	41121	1122	58.053	60.215	0.194	4.657	-2.194	10806.5	1
41122_1122	41122	1122	-58.053	-85.631	-0.118	4.511	2.194	-10806.5	1
41122_1123	41122	1123	58.053	113.322	0.118	-4.511	-0.87	9686.323	1
41123_1123	41123	1123	-58.053	-113.322	-0.067	-3.999	0.87	-9686.32	1
41123_1124	41123	1124	58.053	140.989	0.067	3.999	-0.12	8255.742	1
41124_1124	41124	1124	-58.053	-163.884	-0.295	6.019	0.12	-8255.74	1
41124_1125	41124	1125	58.053	191.575	0.295	-6.019	3.199	6254.412	1
41125_1125	41125	1125	-58.054	-191.575	-0.192	-5.044	-3.199	-6254.41	1
41125_1126	41125	1126	58.054	219.241	0.192	5.044	5.36	3943.498	1
41126_1126	41126	1126	-58.054	-239.453	-0.332	0.612	-5.36	-3943.5	1
41126_1127	41126	1127	58.054	273.759	0.332	-0.612	9.995	363.753	1.06
41127_1127	41127	1127	-54.94	-274.401	-0.268	0.4	-9.991	-380.444	1.06
41127_1128	41127	1128	54.715	294.169	0.268	-0.4	12.201	-1965.04	1.06
41128_1128	41128	1128	-47.886	-311.187	1.638	-3.38	-12.322	1965.019	1.06
41128_1129	41128	1129	46.953	339.628	-1.638	3.38	-6.935	-5790.22	1.06
41129_1129	41129	1129	-44.051	-341.909	4.24	8.476	6.214	6032.032	1.06
41129_1130	41129	1130	41.789	379.032	-4.24	-8.476	-62.501	-10815.5	1.03
41130_1130	41130	1130	-29.659	-396.353	-8.692	-6.317	61.552	10815.44	1.03
41130_1131	41130	1131	26.386	433.058	8.692	6.317	47.53	-16017.8	1.03
41131_1131	41131	1131	-14.464	-433.621	-8.64	7.742	-46.195	16017.81	1.03
41131_1132	41131	1132	9.903	472.614	8.64	-7.742	155.02	-21722.3	1.03
41132_1132	41132	1132	-1966.25	167.28	34.59	16.247	-421.419	4939.689	1.03
41132_1133	41132	1133	1966.251	-141.839	-34.59	-16.247	92.815	-3471.37	1
41133_1133	41133	1133	-1966.29	141.839	32.053	11.768	-92.815	3471.392	1
41133_1134	41133	1134	1966.294	-122.798	-32.053	-11.768	-155.594	-2445.92	1
41134_1134	41134	1134	-1966.56	122.798	1.607	-26.1	155.594	2445.811	1
41134_1135	41134	1135	1966.555	-103.753	-1.607	26.1	-168.052	-1567.81	1
41135_1135	41135	1135	-1966.57	84.322	-3.739	0.299	168.052	1568.342	1
41135_1136	41135	1136	1966.57	-64.662	3.739	-0.299	-138.134	-972.285	1
41136_1136	41136	1136	-1966.56	64.662	-6.196	-0.916	138.134	972.285	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
41136_1137	41136	1137	1966.563	-45.002	6.196	0.916	-88.553	-533.531	1
41137_1137	41137	1137	-1966.57	45.002	-3.739	-0.249	88.553	533.531	1
41137_1138	41137	1138	1966.57	-25.341	3.739	0.249	-58.635	-252.103	1
41138_1138	41138	1138	-1966.63	8.712	-3.714	-0.171	58.635	252.113	1
41138_1139	41138	1139	1966.634	6.009	3.714	0.171	-36.386	-244.018	1
41139_1139	41139	1139	-1966.64	-6.009	-0.366	0.244	36.386	244.018	1
41139_1140	41139	1140	1966.637	20.754	0.366	-0.244	-34.188	-324.325	1
41140_1140	41140	1140	-1966.64	-20.754	-0.366	0.244	34.188	324.325	1
41140_1141	41140	1141	1966.637	35.5	0.366	-0.244	-31.991	-493.121	1
41141_1141	41141	1141	-1966.63	-35.5	-3.642	-0.577	31.991	493.121	1
41141_1142	41141	1142	1966.634	50.245	3.642	0.577	-10.131	-750.415	1
41142_1142	41142	1142	-1966.65	-67.095	0.211	0.97	10.131	750.42	1
41142_1143	41142	1143	1966.648	86.755	-0.211	-0.97	-11.823	-1365.95	1
41143_1143	41143	1143	-1966.65	-86.755	0.211	0.97	11.823	1365.947	1
41143_1144	41143	1144	1966.648	106.416	-0.211	-0.97	-13.516	-2138.79	1
41144_1144	41144	1144	-1966.65	-106.416	-2.246	-1.702	13.516	2138.785	1
41144_1145	41144	1145	1966.647	126.076	2.246	1.702	4.455	-3068.96	1
41145_1145	41145	1145	-1966.56	-142.348	-5.551	-0.754	-4.455	3068.945	1
41145_1146	41145	1146	1966.556	161.369	5.551	0.754	47.43	-4244.58	1
41146_1146	41146	1146	-1966.56	-161.369	-5.499	-0.64	-47.43	4244.582	1
41146_1147	41146	1147	1966.556	180.415	5.499	0.64	90.055	-5569.28	1
41147_1147	41147	1147	-1966.56	-180.415	-4.231	2.951	-90.055	5569.279	1
41147_1148	41147	1148	1966.559	205.861	4.231	-2.951	130.253	-7404.46	1
41148_1148	41148	1148	-42.136	423.747	0.255	-8.919	-6.388	24601.74	1
41148_1149	41148	1149	46.698	-384.777	-0.255	8.919	3.182	-19515.6	1
41149_1149	41149	1149	-57.275	383.345	0.326	6.405	-4.785	19515.55	1
41149_1150	41149	1150	60.548	-346.662	-0.326	-6.405	0.694	-14939.7	1
41150_1150	41150	1150	-71.093	331.338	-0.14	-1.418	-0.036	14939.84	1
41150_1151	41150	1151	73.355	-294.207	0.14	1.418	1.9	-10788.7	1
41151_1151	41151	1151	-72.775	208.279	-0.269	-1.077	-0.607	-1002.96	1
41151_1152	41151	1152	73.721	-179.435	0.269	1.077	3.775	3282.033	1
41152_1152	41152	1152	-77.747	160.778	-0.008	0.298	-3.811	-3282.02	1
41152_1153	41152	1153	77.975	-140.727	0.008	-0.298	3.875	4526.014	1
41153_1153	41153	1153	-79.568	139.832	0.01	-0.688	-3.872	-4526.01	1
41153_1154	41153	1154	79.568	-107.439	-0.01	0.688	3.73	6225.116	1
41154_1154	41154	1154	-79.572	87.836	0.153	2.995	-3.73	-6225.11	1
41154_1155	41154	1155	79.572	-61.902	-0.153	-2.995	2.051	7048.848	1
41155_1155	41155	1155	-79.572	61.902	0.225	-3.41	-2.051	-7048.85	1
41155_1156	41155	1156	79.572	-35.969	-0.225	3.41	-0.422	7587.25	1
41156_1156	41156	1156	-79.569	15.49	0.005	3.711	0.422	-7587.25	1
41156_1157	41156	1157	79.569	8.134	-0.005	-3.711	-0.475	7624.114	1
41157_1157	41157	1157	-79.569	-8.134	0.083	-3.743	0.475	-7624.11	1
41157_1158	41157	1158	79.569	31.733	-0.083	3.743	-1.306	7424.543	1
41158_1158	41158	1158	-79.571	-51.66	0.107	3.464	1.306	-7424.54	1
41158_1159	41158	1159	79.571	75.283	-0.107	-3.464	-2.375	6788.422	1
41159_1159	41159	1159	-79.571	-75.283	0.184	-3.173	2.375	-6788.42	1
41159_1160	41159	1160	79.571	98.882	-0.184	3.173	-4.221	5916.553	1
41160_1160	41160	1160	-79.567	-118.877	-0.084	0.327	4.221	-5916.6	1
41160_1161	41160	1161	79.567	144.811	0.084	-0.327	-3.295	4465.992	1
41161_1161	41161	1161	-79.567	-144.811	-0.084	0.327	3.295	-4465.99	1
41161_1162	41161	1162	79.567	170.745	0.084	-0.327	-2.369	2730.058	1
41162_1162	41162	1162	-79.577	-189.701	0.423	0.498	2.369	-2730.02	1
41162_1163	41162	1163	79.577	222.094	-0.423	-0.498	-8.177	-99.593	1.01
41163_1163	41163	1163	-77.048	-222.984	0.405	0.383	8.182	99.593	1.01

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
41163_1164	41163	1164	76.821	243.035	-0.405	-0.383	-11.52	-2022.4	1.01
41164_1164	41164	1164	-71.054	-260.943	0.01	0.795	11.547	2022.401	1.01
41164_1165	41164	1165	70.108	289.787	-0.01	-0.795	-11.669	-5259.91	1.01
41165_1165	41165	1165	-66.913	-293.462	1.41	0.409	4.515	5603.773	1.01
41165_1166	41165	1166	64.666	330.342	-1.41	-0.409	-23.235	-9743.34	1.01
41166_1166	41166	1166	-53.868	-348.086	-0.833	-4.837	22.827	9743.327	1.01
41166_1167	41166	1167	50.616	384.532	0.833	4.837	-12.381	-14335.7	1.01
41167_1167	41167	1167	-40.008	-385.78	-0.764	6.447	13.604	14335.66	1.01
41167_1168	41167	1168	35.474	424.513	0.764	-6.447	-3.989	-19432.9	1
41168_1168	41168	1168	-1777.87	181.436	1.195	-1.46	-27.916	5068.23	1
41168_1169	41168	1169	1777.874	-156.171	-1.195	1.46	16.563	-3464.24	1
41169_1169	41169	1169	-1777.87	156.171	1.919	-0.049	-16.563	3464.24	1
41169_1170	41169	1170	1777.874	-137.041	-1.919	0.049	1.688	-2327.8	1
41170_1170	41170	1170	-1777.87	137.041	1.919	-0.049	-1.688	2327.801	1
41170_1171	41170	1171	1777.874	-117.912	-1.919	0.049	-13.187	-1339.65	1
41171_1171	41171	1171	-1777.82	100.963	0.252	0.287	13.187	1339.636	1
41171_1172	41171	1172	1777.816	-81.217	-0.252	-0.287	-15.204	-610.773	1
41172_1172	41172	1172	-1777.82	81.217	-2.016	-0.492	15.204	610.772	1
41172_1173	41172	1173	1777.815	-61.494	2.016	0.492	0.912	-40.513	1
41173_1173	41173	1173	-1777.82	61.494	0.252	-0.441	-0.912	40.514	1
41173_1174	41173	1174	1777.816	-41.748	-0.252	0.441	-1.106	372.54	1
41174_1174	41174	1174	-1777.83	24.038	0.897	-0.203	1.106	-372.535	1
41174_1175	41174	1175	1777.828	-9.228	-0.897	0.203	-6.486	472.352	1
41175_1175	41175	1175	-1777.83	9.228	-2.065	0.584	6.486	-472.352	1
41175_1176	41175	1176	1777.827	5.582	2.065	-0.584	5.909	483.292	1
41176_1176	41176	1176	-1777.83	-5.582	0.897	-0.221	-5.909	-483.293	1
41176_1177	41176	1177	1777.828	20.392	-0.897	0.221	0.528	405.355	1
41177_1177	41177	1177	-1777.83	-20.392	0.897	-0.221	-0.528	-405.355	1
41177_1178	41177	1178	1777.828	35.202	-0.897	0.221	-4.852	238.542	1
41178_1178	41178	1178	-1777.84	-52.837	-1.012	-0.064	4.852	-238.545	1
41178_1179	41178	1179	1777.835	72.559	1.012	0.064	3.235	-262.524	1
41179_1179	41179	1179	-1777.84	-72.559	1.257	0.271	-3.235	262.524	1
41179_1180	41179	1180	1777.835	92.305	-1.257	-0.271	-6.822	-922.112	1
41180_1180	41180	1180	-1777.84	-92.305	1.257	0.271	6.822	922.112	1
41180_1181	41180	1181	1777.835	112.051	-1.257	-0.271	-16.878	-1739.7	1
41181_1181	41181	1181	-1777.78	-129.047	-2.739	0.923	16.878	1739.736	1
41181_1182	41181	1182	1777.78	148.177	2.739	-0.923	4.355	-2814.21	1
41182_1182	41182	1182	-1777.78	-148.177	-2.739	0.923	-4.355	2814.207	1
41182_1183	41182	1183	1777.78	167.306	2.739	-0.923	25.589	-4036.96	1
41183_1183	41183	1183	-1777.78	-167.306	-3.463	-0.721	-25.589	4036.962	1
41183_1184	41183	1184	1777.778	192.572	3.463	0.721	58.498	-5746.76	1.02
41184_1184	41184	1184	-47.848	402.893	0.603	5.249	-12.956	20235.8	1.02
41184_1185	41184	1185	52.382	-364.191	-0.603	-5.249	5.374	-15414.3	1.03
41185_1185	41185	1185	-62.452	362.6	0.529	-6.636	-4.154	15414.33	1.03
41185_1186	41185	1186	65.703	-326.124	-0.529	6.636	-2.484	-11093.8	1.04
41186_1186	41186	1186	-75.686	309.714	-0.675	-0.688	1.93	11093.86	1.04
41186_1187	41186	1187	77.932	-272.834	0.675	0.688	7.025	-7228.18	1.08
41187_1187	41187	1187	-84.387	187.364	-0.135	-0.854	6.317	-4293.97	1.08
41187_1188	41187	1188	85.354	-157.901	0.135	0.854	-4.726	6323.463	1.08
41188_1188	41188	1188	-88.913	138.596	-0.151	-2.564	4.725	-6323.52	1.08
41188_1189	41188	1189	89.145	-118.135	0.151	2.564	-3.478	7381.489	1
41189_1189	41189	1189	-90.483	117.113	-0.193	0.818	3.449	-7394.91	1
41189_1190	41189	1190	90.483	-82.571	0.193	-0.818	-0.796	8768.046	1
41190_1190	41190	1190	-90.488	62.012	0.168	-4.65	0.796	-8767.96	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
41190_1191	41190	1191	90.488	-34.379	-0.168	4.65	-2.642	9298.218	1
41191_1191	41191	1191	-90.488	34.379	0.086	3.799	2.642	-9298.22	1
41191_1192	41191	1192	90.488	-6.745	-0.086	-3.799	-3.583	9524.445	1
41192_1192	41192	1192	-90.487	-14.748	0.034	4.453	3.583	-9524.41	1
41192_1193	41192	1193	90.487	40.146	-0.034	-4.453	-3.927	9246.861	1
41193_1193	41193	1193	-90.487	-40.146	0.124	-4.69	3.927	-9246.86	1
41193_1194	41193	1194	90.487	65.543	-0.124	4.69	-5.176	8712.499	1
41194_1194	41194	1194	-90.485	-86.236	-0.053	0.186	5.176	-8712.59	1
41194_1195	41194	1195	90.485	111.634	0.053	-0.186	-4.637	7712.135	1
41195_1195	41195	1195	-90.485	-111.634	-0.053	0.186	4.637	-7712.14	1
41195_1196	41195	1196	90.485	137.033	0.053	-0.186	-4.098	6454.852	1
41196_1196	41196	1196	-90.485	-158.435	0.019	-1.683	4.098	-6454.77	1
41196_1197	41196	1197	90.485	186.068	-0.019	1.683	-4.305	4559.624	1
41197_1197	41197	1197	-90.485	-186.068	-0.065	2.547	4.305	-4559.62	1
41197_1198	41197	1198	90.485	213.677	0.065	-2.547	-3.589	2362.542	1
41198_1198	41198	1198	-90.495	-233.991	0.369	0.749	3.589	-2362.56	1
41198_1199	41198	1199	90.495	268.533	-0.369	-0.749	-8.665	-1093.02	1.03
41199_1199	41199	1199	-87.379	-269.564	0.347	0.484	8.672	1119.057	1.03
41199_1200	41199	1200	87.132	290.89	-0.347	-0.484	-11.537	-3431.52	1.03
41200_1200	41200	1200	-80.164	-311.012	0.721	1.42	11.584	3431.534	1.03
41200_1201	41200	1201	79.14	341.673	-0.721	-1.42	-20.057	-7268.55	1.03
41201_1201	41201	1201	-70.685	-345.649	3.445	0.583	18.065	7558.741	1.03
41201_1202	41201	1202	68.202	385.825	-3.445	-0.583	-63.774	-12409.7	1.02
41202_1202	41202	1202	-55.337	-407.451	-2.546	1.802	64.037	12409.91	1.02
41202_1203	41202	1203	51.764	447.065	2.546	-1.802	-32.08	-17771.4	1.01
41203_1203	41203	1203	-39.375	-448.327	-2.546	0.914	32.118	17771.44	1.01
41203_1204	41203	1204	34.427	490.199	2.546	-0.914	-0.069	-23676.6	1.01
41204_1204	41204	1204	-2121.06	192.47	6.039	1.3	-61.68	6123.102	1.01
41204_1205	41204	1205	2121.064	-164.82	-6.039	-1.3	4.299	-4425.64	1
41205_1205	41205	1205	-2121.07	164.82	4.615	-2.238	-4.299	4165.629	1
41205_1206	41205	1206	2121.067	-143.771	-4.615	2.238	-31.425	-2971.13	1
41206_1206	41206	1206	-2121.07	143.771	4.671	-2.159	31.425	2971.128	1
41206_1207	41206	1207	2121.067	-122.696	-4.671	2.159	-67.634	-1938.35	1
41207_1207	41207	1207	-2120.78	103.202	-7.251	-1.429	67.634	1938.4	1
41207_1208	41207	1208	2120.778	-81.447	7.251	1.429	-9.611	-1199.64	1
41208_1208	41208	1208	-2120.79	81.447	-4.601	0.069	9.611	1199.637	1
41208_1209	41208	1209	2120.785	-59.692	4.601	-0.069	27.207	-634.971	1
41209_1209	41209	1209	-2120.79	59.692	-4.601	0.069	-27.207	634.971	1
41209_1210	41209	1210	2120.785	-37.936	4.601	-0.069	64.026	-244.381	1
41210_1210	41210	1210	-2120.91	19.387	-3.228	-0.183	-64.026	244.385	1
41210_1211	41210	1211	2120.911	-3.071	3.228	0.183	83.401	-176.995	1
41211_1211	41211	1211	-2120.91	3.071	0.305	0.112	-83.401	176.996	1
41211_1212	41211	1212	2120.914	13.246	-0.305	-0.112	81.572	-207.527	1
41212_1212	41212	1212	-2120.91	-13.246	0.234	0.105	-81.572	207.527	1
41212_1213	41212	1213	2120.914	29.535	-0.234	-0.105	80.17	-335.681	1
41213_1213	41213	1213	-2120.91	-29.535	-3.228	-0.443	-80.17	335.681	1
41213_1214	41213	1214	2120.911	45.852	3.228	0.443	99.545	-561.894	1
41214_1214	41214	1214	-2121.05	-64.412	5.634	0.374	-99.545	561.891	1
41214_1215	41214	1215	2121.048	86.167	-5.634	-0.374	54.467	-1164.33	1
41215_1215	41215	1215	-2121.05	-86.167	2.983	-1.081	-54.467	1164.326	1
41215_1216	41215	1216	2121.054	107.923	-2.983	1.081	30.595	-1940.86	1
41216_1216	41216	1216	-2121.05	-107.923	5.634	1.344	-30.595	1940.859	1
41216_1217	41216	1217	2121.048	129.678	-5.634	-1.344	-14.483	-2891.45	1
41217_1217	41217	1217	-2120.86	-148.674	-2.936	-0.263	14.483	2891.457	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
41217_1218	41217	1218	2120.859	169.75	2.936	0.263	8.279	-4125.61	1
41218_1218	41218	1218	-2120.86	-169.75	-2.993	-0.373	-8.279	4125.614	1
41218_1219	41218	1219	2120.859	190.798	2.993	0.373	31.451	-5521.23	1
41219_1219	41219	1219	-2120.86	-190.798	-1.569	3.143	-31.451	5781.214	1
41219_1220	41219	1220	2120.86	218.449	1.569	-3.143	46.357	-7725.53	1
41220_1220	41220	1220	-24.896	467.838	2.963	-50.591	9.397	25739.15	1
41220_1221	41220	1221	29.844	-425.969	-2.963	50.591	-46.704	-20115.8	1
41221_1221	41221	1221	-41.602	424.979	3.346	44.28	36.614	20115.84	1
41221_1222	41221	1222	45.175	-385.37	-3.346	-44.28	-78.607	-15032.2	1.01
41222_1222	41222	1222	-56.661	371.975	-3.877	-3.531	82.642	15030.62	1.01
41222_1223	41222	1223	59.144	-331.775	3.877	3.531	-31.172	-10360.8	1.01
41223_1223	41223	1223	-70.191	244.84	-0.476	-4.189	10.193	-2037.56	1.01
41223_1224	41223	1224	71.236	-213.575	0.476	4.189	-4.596	4731.845	1.04
41224_1224	41224	1224	-76.138	189.932	0.114	12.567	4.308	-4731.52	1.04
41224_1225	41224	1225	76.39	-168.182	-0.114	-12.567	-5.247	6208.788	1
41225_1225	41225	1225	-78.332	167.285	0.399	-10.169	5.393	-6219.71	1
41225_1226	41225	1226	78.332	-122.429	-0.399	10.169	-11.943	8596.826	1
41226_1226	41226	1226	-78.32	95.262	0.161	23.1	11.943	-8595.44	1
41226_1227	41226	1227	78.32	-61.53	-0.161	-23.1	-13.931	9562.858	1
41227_1227	41227	1227	-78.318	61.53	0.542	-23.469	13.931	-9562.86	1
41227_1228	41227	1228	78.318	-27.825	-0.542	23.469	-20.62	10113.76	1
41228_1228	41228	1228	-78.301	-0.325	0.329	16.376	20.62	-10111.3	1
41228_1229	41228	1229	78.301	34.058	-0.329	-16.376	-24.678	9899.131	1
41229_1229	41229	1229	-78.299	-34.058	0.584	-15.835	24.678	-9899.13	1
41229_1230	41229	1230	78.299	67.766	-0.584	15.835	-31.875	9271.299	1
41230_1230	41230	1230	-78.25	-95.593	-0.073	13.292	31.875	-9267.87	1
41230_1231	41230	1231	78.25	129.304	0.073	-13.292	-30.972	7881.062	1
41231_1231	41231	1231	-78.25	-129.304	0.182	-12.417	30.972	-7881.06	1
41231_1232	41231	1232	78.25	162.991	-0.182	12.417	-33.215	6079.991	1
41232_1232	41232	1232	-78.296	-187.609	1.546	9.92	33.215	-6078.23	1
41232_1233	41232	1233	78.296	214.626	-1.546	-9.92	-48.491	4090.451	1
41233_1233	41233	1233	-78.291	-214.626	1.795	-3.103	48.491	-4090.46	1
41233_1234	41233	1234	78.291	245.993	-1.795	3.103	-69.089	1447.582	1.03
41234_1234	41234	1234	-76.911	-246.425	2.148	-10.02	69.034	-1447.55	1.03
41234_1235	41234	1235	76.862	255.19	-2.148	10.02	-75.783	659.523	1.03
41235_1235	41235	1235	-59.251	-269.69	1.093	-1.511	86.928	-1122.91	1.03
41235_1236	41235	1236	58.66	289.973	-1.093	1.511	-94.741	-877.066	1.02
41236_1236	41236	1236	-59.523	-289.797	1.231	0.577	94.793	877.062	1.02
41236_1237	41236	1237	58.797	317.612	-1.231	-0.577	-106.76	-3828.86	1.01
41237_1237	41237	1237	-50.671	-319.008	1.416	8.379	107.284	3828.834	1.01
41237_1238	41237	1238	49.83	335.278	-1.416	-8.379	-114.052	-5392.56	1.01
41238_1238	41238	1238	-43.249	-354.465	6.102	-12.443	112.881	5390.534	1.01
41238_1239	41238	1239	40.698	391.738	-6.102	12.443	-178.449	-9398.35	1.01
41239_1239	41239	1239	-31.346	-392.593	6.297	10.366	180.602	9398.31	1.01
41239_1240	41239	1240	27.713	431.9	-6.297	-10.366	-249.666	-13918.2	1.01
41240_1240	41240	1240	-10.779	-458.814	-30.34	-22.88	246.669	13912.07	1.01
41240_1241	41240	1241	5.535	503.397	30.34	22.88	114.844	-19642.3	1
41241_1241	41241	1241	-1974.89	232.137	-8.553	16.723	302.931	4960.48	1
41241_1242	41241	1242	1974.885	-200.551	8.553	-16.723	-221.65	-2904.53	1
41242_1242	41242	1242	-1974.89	200.551	-6.366	19.939	221.65	2904.506	1
41242_1243	41242	1243	1974.893	-190.195	6.366	-19.939	-201.504	-2286.23	1
41243_1243	41243	1243	-1972.7	170.218	-32.636	-3.803	201.504	2284.152	1
41243_1244	41243	1244	1972.704	-140.063	32.636	3.803	99.211	-854.667	1
41244_1244	41244	1244	-1972.8	140.063	-26.195	-1.012	-99.211	854.675	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
41244_1245	41244	1245	1972.8	-106.001	26.195	1.012	371.851	425.827	1
41245_1245	41245	1245	-1973.23	90.672	-15.086	1.195	-371.851	-425.589	1
41245_1246	41245	1246	1973.227	-58.768	15.086	-1.195	518.912	1153.999	1
41246_1246	41246	1246	-1973.27	58.768	-8.71	-2.534	-518.912	-1154	1
41246_1247	41246	1247	1973.265	-26.431	8.71	2.534	604.977	1574.915	1
41247_1247	41247	1247	-1973.38	7.664	-0.149	2.114	-604.977	-1574.28	1
41247_1248	41247	1248	1973.383	22.056	0.149	-2.114	606.333	1508.932	1
41248_1248	41248	1248	-1973.38	-22.056	3.732	-0.854	-606.333	-1508.93	1
41248_1249	41248	1249	1973.379	56.538	-3.732	0.854	567.011	1094.902	1
41249_1249	41249	1249	-1972.22	-76.482	-10.646	1.497	-567.011	-1094.57	1
41249_1250	41249	1250	1972.215	110.316	10.646	-1.497	677.07	129.012	1
41250_1250	41250	1250	-1972.24	-110.316	-2.726	0.979	-677.07	-129.017	1
41250_1251	41250	1251	1972.242	140.712	2.726	-0.979	702.388	-1036.75	1
41251_1251	41251	1251	-1975.13	-168.925	62.811	-4.948	-702.388	1036.343	1
41251_1252	41251	1252	1975.131	202.086	-62.811	4.948	65.961	-2915.97	1
41252_1252	41252	1252	-1974.93	-202.086	68.816	3.918	-65.961	2915.969	1
41252_1253	41252	1253	1974.93	238.769	-68.816	-3.918	-705.371	-5386.66	1.01
41253_1253	41253	1253	-1974.98	-238.769	67.405	0.071	705.371	5386.664	1.01
41253_1254	41253	1254	1974.979	249.274	-67.405	-0.071	-918.421	-6157.95	1.01
41254_1254	41254	1254	-1970.01	-277.904	-36.62	-39.697	918.421	6155.088	1.01
41254_1255	41254	1255	1970.007	298.956	36.62	39.697	-686.471	-7981.98	1.01
41255_1255	41255	1255	-15.852	428.002	-51.286	-0.51	682.636	23166.73	1.01
41255_1256	41255	1256	19.579	-397.394	51.286	0.51	-266.104	-19815.6	1.01
41256_1256	41256	1256	-26.299	397.023	-51.152	34.207	261.952	19815.67	1.01
41256_1257	41256	1257	29.086	-370.455	51.152	-34.207	109.914	-17026.4	1.02
41257_1257	41257	1257	-39.646	356.894	13.851	-24.375	-104.048	17022.75	1.02
41257_1258	41257	1258	42.793	-320.07	-13.851	24.375	-39.769	-13509.3	1.03
41258_1258	41258	1258	-50.783	318.89	14.056	14.173	36.764	13509.33	1.03
41258_1259	41258	1259	53.399	-275.429	-14.056	-14.173	-214.456	-9754.07	1.04
41259_1259	41259	1259	-112.195	261.993	1.763	7.765	3.947	-3180.87	1.04
41259_1260	41259	1260	113.256	-231.077	-1.763	-7.765	-22.547	5781.626	1.04
41260_1260	41260	1260	-118.274	228.547	2.033	-5.62	22.872	-5781.63	1.04
41260_1261	41260	1261	118.616	-201.068	-2.033	5.62	-42.087	7811.834	1
41261_1261	41261	1261	-121.105	199.578	2.094	-9.526	42.014	-7781.14	1
41261_1262	41261	1262	121.105	-190.53	-2.094	9.526	-48.645	8398.922	1
41262_1262	41262	1262	-121.044	162.287	-0.162	18.75	48.645	-8397.66	1
41262_1263	41262	1263	121.044	-130.531	0.162	-18.75	-46.85	10024.99	1
41263_1263	41263	1263	-121.043	130.531	0.262	-16.355	46.85	-10025	1
41263_1264	41263	1264	121.043	-96.435	-0.262	16.355	-49.98	11379.35	1
41264_1264	41264	1264	-121.046	67.175	1.004	22.237	49.98	-11378.2	1
41264_1265	41264	1265	121.046	-34.1	-1.004	-22.237	-61.607	11964.46	1
41265_1265	41265	1265	-121.041	34.1	1.44	-20.792	61.607	-11964.5	1
41265_1266	41265	1266	121.041	-1.3	-1.44	20.792	-78.137	12167.67	1
41266_1266	41266	1266	-121.027	-28.902	0.244	14.989	78.137	-12167.1	1
41266_1267	41266	1267	121.027	62.265	-0.244	-14.989	-80.982	11634.77	1
41267_1267	41267	1267	-121.026	-62.265	0.542	-13.702	80.982	-11634.8	1
41267_1268	41267	1268	121.026	94.746	-0.542	13.702	-87.145	10742.24	1
41268_1268	41268	1268	-121.02	-124.17	2.071	14.332	87.145	-10742.3	1
41268_1269	41268	1269	121.02	161.454	-2.071	-14.332	-114.174	8878.579	1
41269_1269	41269	1269	-121.012	-161.454	2.466	-14.62	114.174	-8878.58	1
41269_1270	41269	1270	121.012	194.17	-2.466	14.62	-142.41	6842.399	1
41270_1270	41270	1270	-121.014	-221.146	-4.871	8.648	142.41	-6842.37	1
41270_1271	41270	1271	121.014	247.332	4.871	-8.648	-97.765	4695.421	1
41271_1271	41271	1271	-121.026	-247.332	-4.562	-3.358	97.765	-4695.43	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
41271_1272	41271	1272	121.026	279.211	4.562	3.358	-46.866	1757.8	1.05
41272_1272	41272	1272	-119.166	-280.014	-4.255	-7.049	46.82	-1788.46	1.05
41272_1273	41272	1273	119.08	292.924	4.255	7.049	-29.07	593.308	1.05
41273_1273	41273	1273	-114.355	-322.552	18.696	-1.748	29.087	-593.381	1.05
41273_1274	41273	1274	113.863	347.254	-18.696	1.748	-177.786	-2070.23	1.05
41274_1274	41274	1274	-107.819	-349.169	18.871	-1.806	177.841	2070.228	1.05
41274_1275	41274	1275	106.9	373.852	-18.871	1.806	-326.518	-4918.17	1.05
41275_1275	41275	1275	-101.956	-375.208	19.318	10.295	327.288	4906.741	1.05
41275_1276	41275	1276	101.205	390.148	-19.318	-10.295	-408.066	-6506.88	1.03
41276_1276	41276	1276	-22.324	-470.086	-82.706	-62.776	540.12	19950.58	1.03
41276_1277	41276	1277	19.433	512.884	82.706	62.776	433.284	-25733.6	1.02
41277_1277	41277	1277	-6.046	-513.25	-82.497	47.987	-425.441	25733.81	1.02
41277_1278	41277	1278	1.472	561.694	82.497	-47.987	1482.083	-32615.4	1.02
41278_1278	41278	1278	10.629	-547.865	132.87	-82.229	-1500.28	32615.83	1.02
41278_1279	41278	1279	-15.169	585.987	-132.87	82.229	218.638	-38083	1.02
41279_1279	41279	1279	-2671.64	328.49	47.009	42.235	-825.78	13026.85	1.02
41279_1280	41279	1280	2671.641	-295.446	-47.009	-42.235	379.08	-10062.4	1
41280_1280	41280	1280	-2671.62	295.446	48.493	52.078	-379.08	10296.83	1
41280_1281	41280	1281	2671.615	-277.909	-48.493	-52.078	116.235	-8742.96	1
41281_1281	41281	1281	-2671.62	254.649	-25.164	-10.54	-116.235	8742.926	1
41281_1282	41281	1282	2671.615	-218.237	25.164	10.54	427.255	-5820.6	1
41282_1282	41282	1282	-2671.68	218.237	-17.175	6.866	-427.255	5820.609	1
41282_1283	41282	1283	2671.678	-182.464	17.175	-6.866	635.804	-3387.83	1
41283_1283	41283	1283	-2671.67	138.999	13.884	-3.277	-635.804	3387.842	1
41283_1284	41283	1284	2671.673	-102.45	-13.884	3.277	463.56	-1890.14	1
41284_1284	41284	1284	-2671.61	102.45	22.556	2.858	-463.56	1890.14	1
41284_1285	41284	1285	2671.614	-70.758	-22.556	-2.858	220.916	-958.512	1
41285_1285	41285	1285	-2671.49	32.662	28.963	-1.372	-220.916	958.338	1
41285_1286	41285	1286	2671.491	0.305	-28.963	1.372	-103.189	-777.299	1
41286_1286	41286	1286	-2671.39	-0.305	36.97	0.958	103.189	777.3	1
41286_1287	41286	1287	2671.392	30.953	-36.97	-0.958	-487.792	-939.893	1
41287_1287	41287	1287	-2671.67	-68.793	-22.363	-4.218	487.792	939.938	1
41287_1288	41287	1288	2671.667	107.379	22.363	4.218	-194.891	-2093.63	1
41288_1288	41288	1288	-2671.73	-107.379	-13.169	2.987	194.891	2093.634	1
41288_1289	41288	1289	2671.728	140.44	13.169	-2.987	-47.105	-3484.15	1
41289_1289	41289	1289	-2671.75	-175.657	-3.177	-0.385	47.105	3484.203	1
41289_1290	41289	1290	2671.752	187.455	3.177	0.385	-34.384	-4211.29	1
41290_1290	41290	1290	-2671.75	-187.455	0.672	5.622	34.384	3976.835	1
41290_1291	41290	1291	2671.754	217.743	-0.672	-5.622	-40.766	-5901.5	1.01
41291_1291	41291	1291	56.712	744.204	23.155	-13.989	-184.717	27777.09	1.01
41291_1292	41291	1292	-53.609	-716.913	-23.155	13.989	12.414	-22341.4	1.02
41292_1292	41292	1292	32.373	686.59	2.482	-33.62	-11.017	22341.9	1.02
41292_1293	41292	1293	-28.446	-641.866	-2.482	33.62	-20.458	-13921.4	1.02
41293_1293	41293	1293	8.767	642.436	2.609	29.11	15.808	13921.46	1.02
41293_1294	41293	1294	-6.599	-604.384	-2.609	-29.11	-45.003	-6945.81	1.03
41294_1294	41294	1294	7.542	571.209	-3.854	-12.582	104.796	7912.341	1.03
41294_1295	41294	1295	-6.748	-547.8	3.854	12.582	-77.614	-3966.47	1.05
41295_1295	41295	1295	-3.907	547.828	-3.807	1.34	77.131	3967.668	1.05
41295_1296	41295	1296	4.205	-527.222	3.807	-1.34	-49.882	-120.349	1.08
41296_1296	41296	1296	-11.489	527.114	-3.795	0.777	49.896	120.348	1.08
41296_1297	41296	1297	11.506	-501.853	3.795	-0.777	-16.523	4404.341	1.08
41297_1297	41297	1297	-11.846	462.532	0.015	20.587	16.523	-4404.36	1.08
41297_1298	41297	1298	11.846	-450.894	-0.015	-20.587	-16.585	6255.1	1
41298_1298	41298	1298	-11.846	450.894	0.034	10.486	16.585	-6255.13	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
41298_1299	41298	1299	11.846	-422.752	-0.034	-10.486	-16.875	9953.162	1
41299_1299	41299	1299	-11.846	422.752	0.072	-21.395	16.875	-9953.15	1
41299_1300	41299	1300	11.846	-382.91	-0.072	21.395	-17.74	14781.24	1
41300_1300	41300	1300	-11.844	336.387	1.068	36.37	17.74	-14781.3	1
41300_1301	41300	1301	11.844	-292.629	-1.068	-36.37	-31.797	18921.25	1
41301_1301	41301	1301	-11.84	292.629	1.115	-39.457	31.797	-18921.2	1
41301_1302	41301	1302	11.84	-254.971	-1.115	39.457	-44.432	22022.97	1
41302_1302	41302	1302	-11.839	203.099	-0.528	54.299	44.432	-22023	1
41302_1303	41302	1303	11.839	-158.346	0.528	-54.299	-37.329	24455.98	1
41303_1303	41303	1303	-11.841	158.346	-0.472	-60.415	37.329	-24456	1
41303_1304	41303	1304	11.841	-121.644	0.472	60.415	-32.118	26001.63	1
41304_1304	41304	1304	-11.84	67.391	0.648	52.986	32.118	-26001.8	1
41304_1305	41304	1305	11.84	-23.958	-0.648	-52.986	-40.579	26598.53	1
41305_1305	41305	1305	-11.838	23.958	0.695	-52.802	40.579	-26598.5	1
41305_1306	41305	1306	11.838	14.041	-0.695	52.802	-48.521	26655.21	1
41306_1306	41306	1306	-11.838	-67.55	-1.133	50.431	48.521	-26655.2	1
41306_1307	41306	1307	11.838	106.984	1.133	-50.431	-35.075	25620	1
41307_1307	41307	1307	-11.842	-106.984	-1.092	-39.045	35.075	-25620	1
41307_1308	41307	1308	11.842	148.989	1.092	39.045	-21.275	24002.76	1
41308_1308	41308	1308	-11.842	-199.724	0.822	45.731	21.275	-24002.8	1
41308_1309	41308	1309	11.842	240.158	-0.822	-45.731	-31.269	21327.58	1
41309_1309	41309	1309	-11.839	-240.158	0.867	-36.023	31.269	-21327.6	1
41309_1310	41309	1310	11.839	281.182	-0.867	36.023	-41.969	18110.7	1
41310_1310	41310	1310	-11.838	-327.573	-0.059	30.239	41.969	-18110.7	1
41310_1311	41310	1311	11.838	370.155	0.059	-30.239	-41.214	13641.88	1
41311_1311	41311	1311	-11.838	-370.155	-0.014	-21.987	41.214	-13641.9	1
41311_1312	41311	1312	11.838	412.644	0.014	21.987	-41.039	8639.253	1
41312_1312	41312	1312	-11.845	-447.799	-2.286	4.891	41.039	-8639.27	1
41312_1313	41312	1313	11.845	507.477	2.286	-4.891	0	64.453	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1	2	3	4	5	6	7	8	9	14
1000_1000	1000	1000	0	0	0	0	0	0	1
1000_1001	1000	1001	0	0	0	0	0	0	1
1001_1001	1001	1001	0	0	0	0	0	0	1
1001_1002	1001	1002	0	0	0	0	0	0	1
1002_1002	1002	1002	0	0	0	0	0	0	1
1002_1003	1002	1003	0	0	0	0	0	0	1
1003_1003	1003	1003	0	0	0	0	0	0	1
1003_1004	1003	1004	0	0	0	0	0	0	1
1004_1004	1004	1004	0	0	0	0	0	0	1
1004_1005	1004	1005	0	0	0	0	0	0	1
1005_1005	1005	1005	0	0	0	0	0	0	1
1005_1006	1005	1006	0	0	0	0	0	0	1
1006_1006	1006	1006	0	0	0	0	0	0	1
1006_1007	1006	1007	0	0	0	0	0	0	1
1007_1007	1007	1007	0	0	0	0	0	0	1
1007_1008	1007	1008	0	0	0	0	0	0	1
1008_1008	1008	1008	0	0	0	0	0	0	1
1008_1009	1008	1009	0	0	0	0	0	0	1
1009_1009	1009	1009	0	0	0	0	0	0	1
1009_1010	1009	1010	0	0	0	0	0	0	1
1010_1010	1010	1010	0	0	0	0	0	0	1
1010_1011	1010	1011	0	0	0	0	0	0	1
1011_1011	1011	1011	0	0	0	0	0	0	1
1011_1012	1011	1012	0	0	0	0	0	0	1
1012_1012	1012	1012	0	0	0	0	0	0	1
1012_1013	1012	1013	0	0	0	0	0	0	1
1013_1013	1013	1013	0	0	0	0	0	0	1
1013_1014	1013	1014	0	0	0	0	0	0	1
1014_1014	1014	1014	0	0	0	0	0	0	1
1014_1015	1014	1015	0	0	0	0	0	0	1
1015_1015	1015	1015	0	0	0	0	0	0	1
1015_1016	1015	1016	0	0	0	0	0	0	1
1016_1016	1016	1016	0	0	0	0	0	0	1
1016_1017	1016	1017	0	0	0	0	0	0	1.06
1017_1017	1017	1017	0	0	0	0	0	0	1.06
1017_1018	1017	1018	0	0	0	0	0	0	1.03
1018_1018	1018	1018	0	0	0	0	0	0	1.03
1018_1019	1018	1019	0	0	0	0	0	0	1.02
1019_1019	1019	1019	0	0	0	0	0	0	1.02
1019_1020	1019	1020	0	0	0	0	0	0	1.02
1020_1020	1020	1020	0	0	0	0	0	0	1.02
1020_1021	1020	1021	0	0	0	0	0	0	1
1021_1021	1021	1021	0	0	0	0	0	0	1
1021_1022	1021	1022	0	0	0	0	0	0	1
1022_1022	1022	1022	0	0	0	0	0	0	1
1022_1023	1022	1023	0	0	0	0	0	0	1
1023_1023	1023	1023	0	0	0	0	0	0	1
1023_1024	1023	1024	0	0	0	0	0	0	1
1024_1024	1024	1024	0	0	0	0	0	0	1
1024_1025	1024	1025	0	0	0	0	0	0	1
1025_1025	1025	1025	0	0	0	0	0	0	1
1025_1026	1025	1026	0	0	0	0	0	0	1
1026_1026	1026	1026	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1026_1027	1026	1027	0	0	0	0	0	0	1
1027_1027	1027	1027	0	0	0	0	0	0	1
1027_1028	1027	1028	0	0	0	0	0	0	1
1028_1028	1028	1028	0	0	0	0	0	0	1
1028_1029	1028	1029	0	0	0	0	0	0	1
1029_1029	1029	1029	0	0	0	0	0	0	1
1029_1030	1029	1030	0	0	0	0	0	0	1
1030_1030	1030	1030	0	0	0	0	0	0	1
1030_1031	1030	1031	0	0	0	0	0	0	1
1031_1031	1031	1031	0	0	0	0	0	0	1
1031_1032	1031	1032	0	0	0	0	0	0	1
1032_1032	1032	1032	0	0	0	0	0	0	1
1032_1033	1032	1033	0	0	0	0	0	0	1
1033_1033	1033	1033	0	0	0	0	0	0	1
1033_1034	1033	1034	0	0	0	0	0	0	1
1034_1034	1034	1034	0	0	0	0	0	0	1
1034_1035	1034	1035	0	0	0	0	0	0	1
1035_1035	1035	1035	0	0	0	0	0	0	1
1035_1036	1035	1036	0	0	0	0	0	0	1.01
1036_1036	1036	1036	0	0	0	0	0	0	1.01
1036_1037	1036	1037	0	0	0	0	0	0	1.02
1037_1037	1037	1037	0	0	0	0	0	0	1.02
1037_1038	1037	1038	0	0	0	0	0	0	1.02
1038_1038	1038	1038	0	0	0	0	0	0	1.02
1038_1039	1038	1039	0	0	0	0	0	0	1.03
1039_1039	1039	1039	0	0	0	0	0	0	1.03
1039_1040	1039	1040	0	0	0	0	0	0	1.05
1040_1040	1040	1040	0	0	0	0	0	0	1.05
1040_1041	1040	1041	0	0	0	0	0	0	1.07
1041_1041	1041	1041	0	0	0	0	0	0	1.07
1041_1042	1041	1042	0	0	0	0	0	0	1
1042_1042	1042	1042	0	0	0	0	0	0	1
1042_1043	1042	1043	0	0	0	0	0	0	1
1043_1043	1043	1043	0	0	0	0	0	0	1
1043_1044	1043	1044	0	0	0	0	0	0	1
1044_1044	1044	1044	0	0	0	0	0	0	1
1044_1045	1044	1045	0	0	0	0	0	0	1
1045_1045	1045	1045	0	0	0	0	0	0	1
1045_1046	1045	1046	0	0	0	0	0	0	1
1046_1046	1046	1046	0	0	0	0	0	0	1
1046_1047	1046	1047	0	0	0	0	0	0	1
1047_1047	1047	1047	0	0	0	0	0	0	1
1047_1048	1047	1048	0	0	0	0	0	0	1
1048_1048	1048	1048	0	0	0	0	0	0	1
1048_1049	1048	1049	0	0	0	0	0	0	1
1049_1049	1049	1049	0	0	0	0	0	0	1
1049_1050	1049	1050	0	0	0	0	0	0	1
1050_1050	1050	1050	0	0	0	0	0	0	1
1050_1051	1050	1051	0	0	0	0	0	0	1.15
1051_1051	1051	1051	0	0	0	0	0	0	1.15
1051_1052	1051	1052	0	0	0	0	0	0	1.06
1052_1052	1052	1052	0	0	0	0	0	0	1.06
1052_1053	1052	1053	0	0	0	0	0	0	1.03
1053_1053	1053	1053	0	0	0	0	0	0	1.03

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1053_1054	1053	1054	0	0	0	0	0	0	1.02
1054_1054	1054	1054	0	0	0	0	0	0	1.02
1054_1055	1054	1055	0	0	0	0	0	0	1.01
1055_1055	1055	1055	0	0	0	0	0	0	1.01
1055_1056	1055	1056	0	0	0	0	0	0	1.01
1056_1056	1056	1056	0	0	0	0	0	0	1.01
1056_1057	1056	1057	0	0	0	0	0	0	1
1057_1057	1057	1057	0	0	0	0	0	0	1
1057_1058	1057	1058	0	0	0	0	0	0	1
1058_1058	1058	1058	0	0	0	0	0	0	1
1058_1059	1058	1059	0	0	0	0	0	0	1
1059_1059	1059	1059	0	0	0	0	0	0	1
1059_1060	1059	1060	0	0	0	0	0	0	1
1060_1060	1060	1060	0	0	0	0	0	0	1
1060_1061	1060	1061	0	0	0	0	0	0	1
1061_1061	1061	1061	0	0	0	0	0	0	1
1061_1062	1061	1062	0	0	0	0	0	0	1
1062_1062	1062	1062	0	0	0	0	0	0	1
1062_1063	1062	1063	0	0	0	0	0	0	1
1063_1063	1063	1063	0	0	0	0	0	0	1
1063_1064	1063	1064	0	0	0	0	0	0	1
1064_1064	1064	1064	0	0	0	0	0	0	1
1064_1065	1064	1065	0	0	0	0	0	0	1
1065_1065	1065	1065	0	0	0	0	0	0	1
1065_1066	1065	1066	0	0	0	0	0	0	1
1066_1066	1066	1066	0	0	0	0	0	0	1
1066_1067	1066	1067	0	0	0	0	0	0	1
1067_1067	1067	1067	0	0	0	0	0	0	1
1067_1068	1067	1068	0	0	0	0	0	0	1
1068_1068	1068	1068	0	0	0	0	0	0	1
1068_1069	1068	1069	0	0	0	0	0	0	1
1069_1069	1069	1069	0	0	0	0	0	0	1
1069_1070	1069	1070	0	0	0	0	0	0	1
1070_1070	1070	1070	0	0	0	0	0	0	1
1070_1071	1070	1071	0	0	0	0	0	0	1
1071_1071	1071	1071	0	0	0	0	0	0	1
1071_1072	1071	1072	0	0	0	0	0	0	1.01
1072_1072	1072	1072	0	0	0	0	0	0	1.01
1072_1073	1072	1073	0	0	0	0	0	0	1.01
1073_1073	1073	1073	0	0	0	0	0	0	1.01
1073_1074	1073	1074	0	0	0	0	0	0	1.01
1074_1074	1074	1074	0	0	0	0	0	0	1.01
1074_1075	1074	1075	0	0	0	0	0	0	1.03
1075_1075	1075	1075	0	0	0	0	0	0	1.03
1075_1076	1075	1076	0	0	0	0	0	0	1.03
1076_1076	1076	1076	0	0	0	0	0	0	1.03
1076_1077	1076	1077	0	0	0	0	0	0	1
1077_1077	1077	1077	0	0	0	0	0	0	1
1077_1078	1077	1078	0	0	0	0	0	0	1
1078_1078	1078	1078	0	0	0	0	0	0	1
1078_1079	1078	1079	0	0	0	0	0	0	1
1079_1079	1079	1079	0	0	0	0	0	0	1
1079_1080	1079	1080	0	0	0	0	0	0	1
1080_1080	1080	1080	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1080_1081	1080	1081	0	0	0	0	0	0	1
1081_1081	1081	1081	0	0	0	0	0	0	1
1081_1082	1081	1082	0	0	0	0	0	0	1
1082_1082	1082	1082	0	0	0	0	0	0	1
1082_1083	1082	1083	0	0	0	0	0	0	1
1083_1083	1083	1083	0	0	0	0	0	0	1
1083_1084	1083	1084	0	0	0	0	0	0	1
1084_1084	1084	1084	0	0	0	0	0	0	1
1084_1085	1084	1085	0	0	0	0	0	0	1
1085_1085	1085	1085	0	0	0	0	0	0	1
1085_1086	1085	1086	0	0	0	0	0	0	1
1086_1086	1086	1086	0	0	0	0	0	0	1
1086_1087	1086	1087	0	0	0	0	0	0	1
1087_1087	1087	1087	0	0	0	0	0	0	1
1087_1088	1087	1088	0	0	0	0	0	0	1
1088_1088	1088	1088	0	0	0	0	0	0	1
1088_1089	1088	1089	0	0	0	0	0	0	1.08
1089_1089	1089	1089	0	0	0	0	0	0	1.08
1089_1090	1089	1090	0	0	0	0	0	0	1.08
1090_1090	1090	1090	0	0	0	0	0	0	1.08
1090_1091	1090	1091	0	0	0	0	0	0	1.02
1091_1091	1091	1091	0	0	0	0	0	0	1.02
1091_1092	1091	1092	0	0	0	0	0	0	1.02
1092_1092	1092	1092	0	0	0	0	0	0	1.02
1092_1093	1092	1093	0	0	0	0	0	0	1.02
1093_1093	1093	1093	0	0	0	0	0	0	1.02
1093_1094	1093	1094	0	0	0	0	0	0	1
1094_1094	1094	1094	0	0	0	0	0	0	1
1094_1095	1094	1095	0	0	0	0	0	0	1
1095_1095	1095	1095	0	0	0	0	0	0	1
1095_1096	1095	1096	0	0	0	0	0	0	1
1096_1096	1096	1096	0	0	0	0	0	0	1
1096_1097	1096	1097	0	0	0	0	0	0	1
1097_1097	1097	1097	0	0	0	0	0	0	1
1097_1098	1097	1098	0	0	0	0	0	0	1
1098_1098	1098	1098	0	0	0	0	0	0	1
1098_1099	1098	1099	0	0	0	0	0	0	1
1099_1099	1099	1099	0	0	0	0	0	0	1
1099_1100	1099	1100	0	0	0	0	0	0	1
1100_1100	1100	1100	0	0	0	0	0	0	1
1100_1101	1100	1101	0	0	0	0	0	0	1
1101_1101	1101	1101	0	0	0	0	0	0	1
1101_1102	1101	1102	0	0	0	0	0	0	1
1102_1102	1102	1102	0	0	0	0	0	0	1
1102_1103	1102	1103	0	0	0	0	0	0	1
1103_1103	1103	1103	0	0	0	0	0	0	1
1103_1104	1103	1104	0	0	0	0	0	0	1
1104_1104	1104	1104	0	0	0	0	0	0	1
1104_1105	1104	1105	0	0	0	0	0	0	1
1105_1105	1105	1105	0	0	0	0	0	0	1
1105_1106	1105	1106	0	0	0	0	0	0	1
1106_1106	1106	1106	0	0	0	0	0	0	1
1106_1107	1106	1107	0	0	0	0	0	0	1
1107_1107	1107	1107	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1107_1108	1107	1108	0	0	0	0	0	0	1
1108_1108	1108	1108	0	0	0	0	0	0	1
1108_1109	1108	1109	0	0	0	0	0	0	1
1109_1109	1109	1109	0	0	0	0	0	0	1
1109_1110	1109	1110	0	0	0	0	0	0	1.01
1110_1110	1110	1110	0	0	0	0	0	0	1.01
1110_1111	1110	1111	0	0	0	0	0	0	1.01
1111_1111	1111	1111	0	0	0	0	0	0	1.01
1111_1112	1111	1112	0	0	0	0	0	0	1.01
1112_1112	1112	1112	0	0	0	0	0	0	1.01
1112_1113	1112	1113	0	0	0	0	0	0	1.03
1113_1113	1113	1113	0	0	0	0	0	0	1.03
1113_1114	1113	1114	0	0	0	0	0	0	1.03
1114_1114	1114	1114	0	0	0	0	0	0	1.03
1114_1115	1114	1115	0	0	0	0	0	0	1.11
1115_1115	1115	1115	0	0	0	0	0	0	1.11
1115_1116	1115	1116	0	0	0	0	0	0	1
1116_1116	1116	1116	0	0	0	0	0	0	1
1116_1117	1116	1117	0	0	0	0	0	0	1
1117_1117	1117	1117	0	0	0	0	0	0	1
1117_1118	1117	1118	0	0	0	0	0	0	1
1118_1118	1118	1118	0	0	0	0	0	0	1
1118_1119	1118	1119	0	0	0	0	0	0	1
1119_1119	1119	1119	0	0	0	0	0	0	1
1119_1120	1119	1120	0	0	0	0	0	0	1
1120_1120	1120	1120	0	0	0	0	0	0	1
1120_1121	1120	1121	0	0	0	0	0	0	1
1121_1121	1121	1121	0	0	0	0	0	0	1
1121_1122	1121	1122	0	0	0	0	0	0	1
1122_1122	1122	1122	0	0	0	0	0	0	1
1122_1123	1122	1123	0	0	0	0	0	0	1
1123_1123	1123	1123	0	0	0	0	0	0	1
1123_1124	1123	1124	0	0	0	0	0	0	1
1124_1124	1124	1124	0	0	0	0	0	0	1
1124_1125	1124	1125	0	0	0	0	0	0	1
1125_1125	1125	1125	0	0	0	0	0	0	1
1125_1126	1125	1126	0	0	0	0	0	0	1
1126_1126	1126	1126	0	0	0	0	0	0	1
1126_1127	1126	1127	0	0	0	0	0	0	1
1127_1127	1127	1127	0	0	0	0	0	0	1
1127_1128	1127	1128	0	0	0	0	0	0	1
1128_1128	1128	1128	0	0	0	0	0	0	1
1128_1129	1128	1129	0	0	0	0	0	0	1.07
1129_1129	1129	1129	0	0	0	0	0	0	1.07
1129_1130	1129	1130	0	0	0	0	0	0	1.04
1130_1130	1130	1130	0	0	0	0	0	0	1.04
1130_1131	1130	1131	0	0	0	0	0	0	1.03
1131_1131	1131	1131	0	0	0	0	0	0	1.03
1131_1132	1131	1132	0	0	0	0	0	0	1.03
1132_1132	1132	1132	0	0	0	0	0	0	1.03
1132_1133	1132	1133	0	0	0	0	0	0	1
1133_1133	1133	1133	0	0	0	0	0	0	1
1133_1134	1133	1134	0	0	0	0	0	0	1
1134_1134	1134	1134	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1134_1135	1134	1135	0	0	0	0	0	0	1
1135_1135	1135	1135	0	0	0	0	0	0	1
1135_1136	1135	1136	0	0	0	0	0	0	1
1136_1136	1136	1136	0	0	0	0	0	0	1
1136_1137	1136	1137	0	0	0	0	0	0	1
1137_1137	1137	1137	0	0	0	0	0	0	1
1137_1138	1137	1138	0	0	0	0	0	0	1
1138_1138	1138	1138	0	0	0	0	0	0	1
1138_1139	1138	1139	0	0	0	0	0	0	1
1139_1139	1139	1139	0	0	0	0	0	0	1
1139_1140	1139	1140	0	0	0	0	0	0	1
1140_1140	1140	1140	0	0	0	0	0	0	1
1140_1141	1140	1141	0	0	0	0	0	0	1
1141_1141	1141	1141	0	0	0	0	0	0	1
1141_1142	1141	1142	0	0	0	0	0	0	1
1142_1142	1142	1142	0	0	0	0	0	0	1
1142_1143	1142	1143	0	0	0	0	0	0	1
1143_1143	1143	1143	0	0	0	0	0	0	1
1143_1144	1143	1144	0	0	0	0	0	0	1
1144_1144	1144	1144	0	0	0	0	0	0	1
1144_1145	1144	1145	0	0	0	0	0	0	1
1145_1145	1145	1145	0	0	0	0	0	0	1
1145_1146	1145	1146	0	0	0	0	0	0	1
1146_1146	1146	1146	0	0	0	0	0	0	1
1146_1147	1146	1147	0	0	0	0	0	0	1
1147_1147	1147	1147	0	0	0	0	0	0	1
1147_1148	1147	1148	0	0	0	0	0	0	1
1148_1148	1148	1148	0	0	0	0	0	0	1
1148_1149	1148	1149	0	0	0	0	0	0	1
1149_1149	1149	1149	0	0	0	0	0	0	1
1149_1150	1149	1150	0	0	0	0	0	0	1
1150_1150	1150	1150	0	0	0	0	0	0	1
1150_1151	1150	1151	0	0	0	0	0	0	1
1151_1151	1151	1151	0	0	0	0	0	0	1
1151_1152	1151	1152	0	0	0	0	0	0	1
1152_1152	1152	1152	0	0	0	0	0	0	1
1152_1153	1152	1153	0	0	0	0	0	0	1
1153_1153	1153	1153	0	0	0	0	0	0	1
1153_1154	1153	1154	0	0	0	0	0	0	1
1154_1154	1154	1154	0	0	0	0	0	0	1
1154_1155	1154	1155	0	0	0	0	0	0	1
1155_1155	1155	1155	0	0	0	0	0	0	1
1155_1156	1155	1156	0	0	0	0	0	0	1
1156_1156	1156	1156	0	0	0	0	0	0	1
1156_1157	1156	1157	0	0	0	0	0	0	1
1157_1157	1157	1157	0	0	0	0	0	0	1
1157_1158	1157	1158	0	0	0	0	0	0	1
1158_1158	1158	1158	0	0	0	0	0	0	1
1158_1159	1158	1159	0	0	0	0	0	0	1
1159_1159	1159	1159	0	0	0	0	0	0	1
1159_1160	1159	1160	0	0	0	0	0	0	1
1160_1160	1160	1160	0	0	0	0	0	0	1
1160_1161	1160	1161	0	0	0	0	0	0	1
1161_1161	1161	1161	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1161_1162	1161	1162	0	0	0	0	0	0	1
1162_1162	1162	1162	0	0	0	0	0	0	1
1162_1163	1162	1163	0	0	0	0	0	0	1
1163_1163	1163	1163	0	0	0	0	0	0	1
1163_1164	1163	1164	0	0	0	0	0	0	1
1164_1164	1164	1164	0	0	0	0	0	0	1
1164_1165	1164	1165	0	0	0	0	0	0	1
1165_1165	1165	1165	0	0	0	0	0	0	1
1165_1166	1165	1166	0	0	0	0	0	0	1
1166_1166	1166	1166	0	0	0	0	0	0	1
1166_1167	1166	1167	0	0	0	0	0	0	1
1167_1167	1167	1167	0	0	0	0	0	0	1
1167_1168	1167	1168	0	0	0	0	0	0	1
1168_1168	1168	1168	0	0	0	0	0	0	1
1168_1169	1168	1169	0	0	0	0	0	0	1
1169_1169	1169	1169	0	0	0	0	0	0	1
1169_1170	1169	1170	0	0	0	0	0	0	1
1170_1170	1170	1170	0	0	0	0	0	0	1
1170_1171	1170	1171	0	0	0	0	0	0	1
1171_1171	1171	1171	0	0	0	0	0	0	1
1171_1172	1171	1172	0	0	0	0	0	0	1
1172_1172	1172	1172	0	0	0	0	0	0	1
1172_1173	1172	1173	0	0	0	0	0	0	1
1173_1173	1173	1173	0	0	0	0	0	0	1
1173_1174	1173	1174	0	0	0	0	0	0	1
1174_1174	1174	1174	0	0	0	0	0	0	1
1174_1175	1174	1175	0	0	0	0	0	0	1
1175_1175	1175	1175	0	0	0	0	0	0	1
1175_1176	1175	1176	0	0	0	0	0	0	1
1176_1176	1176	1176	0	0	0	0	0	0	1
1176_1177	1176	1177	0	0	0	0	0	0	1
1177_1177	1177	1177	0	0	0	0	0	0	1
1177_1178	1177	1178	0	0	0	0	0	0	1
1178_1178	1178	1178	0	0	0	0	0	0	1
1178_1179	1178	1179	0	0	0	0	0	0	1
1179_1179	1179	1179	0	0	0	0	0	0	1
1179_1180	1179	1180	0	0	0	0	0	0	1
1180_1180	1180	1180	0	0	0	0	0	0	1
1180_1181	1180	1181	0	0	0	0	0	0	1
1181_1181	1181	1181	0	0	0	0	0	0	1
1181_1182	1181	1182	0	0	0	0	0	0	1
1182_1182	1182	1182	0	0	0	0	0	0	1
1182_1183	1182	1183	0	0	0	0	0	0	1
1183_1183	1183	1183	0	0	0	0	0	0	1
1183_1184	1183	1184	0	0	0	0	0	0	1.02
1184_1184	1184	1184	0	0	0	0	0	0	1.02
1184_1185	1184	1185	0	0	0	0	0	0	1.03
1185_1185	1185	1185	0	0	0	0	0	0	1.03
1185_1186	1185	1186	0	0	0	0	0	0	1.04
1186_1186	1186	1186	0	0	0	0	0	0	1.04
1186_1187	1186	1187	0	0	0	0	0	0	1.08
1187_1187	1187	1187	0	0	0	0	0	0	1.08
1187_1188	1187	1188	0	0	0	0	0	0	1.08
1188_1188	1188	1188	0	0	0	0	0	0	1.08

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1188_1189	1188	1189	0	0	0	0	0	0	1
1189_1189	1189	1189	0	0	0	0	0	0	1
1189_1190	1189	1190	0	0	0	0	0	0	1
1190_1190	1190	1190	0	0	0	0	0	0	1
1190_1191	1190	1191	0	0	0	0	0	0	1
1191_1191	1191	1191	0	0	0	0	0	0	1
1191_1192	1191	1192	0	0	0	0	0	0	1
1192_1192	1192	1192	0	0	0	0	0	0	1
1192_1193	1192	1193	0	0	0	0	0	0	1
1193_1193	1193	1193	0	0	0	0	0	0	1
1193_1194	1193	1194	0	0	0	0	0	0	1
1194_1194	1194	1194	0	0	0	0	0	0	1
1194_1195	1194	1195	0	0	0	0	0	0	1
1195_1195	1195	1195	0	0	0	0	0	0	1
1195_1196	1195	1196	0	0	0	0	0	0	1
1196_1196	1196	1196	0	0	0	0	0	0	1
1196_1197	1196	1197	0	0	0	0	0	0	1
1197_1197	1197	1197	0	0	0	0	0	0	1
1197_1198	1197	1198	0	0	0	0	0	0	1
1198_1198	1198	1198	0	0	0	0	0	0	1
1198_1199	1198	1199	0	0	0	0	0	0	1.03
1199_1199	1199	1199	0	0	0	0	0	0	1.03
1199_1200	1199	1200	0	0	0	0	0	0	1.03
1200_1200	1200	1200	0	0	0	0	0	0	1.03
1200_1201	1200	1201	0	0	0	0	0	0	1.03
1201_1201	1201	1201	0	0	0	0	0	0	1.03
1201_1202	1201	1202	0	0	0	0	0	0	1.02
1202_1202	1202	1202	0	0	0	0	0	0	1.02
1202_1203	1202	1203	0	0	0	0	0	0	1.01
1203_1203	1203	1203	0	0	0	0	0	0	1.01
1203_1204	1203	1204	0	0	0	0	0	0	1.01
1204_1204	1204	1204	0	0	0	0	0	0	1.01
1204_1205	1204	1205	0	0	0	0	0	0	1
1205_1205	1205	1205	0	0	0	0	0	0	1
1205_1206	1205	1206	0	0	0	0	0	0	1
1206_1206	1206	1206	0	0	0	0	0	0	1
1206_1207	1206	1207	0	0	0	0	0	0	1
1207_1207	1207	1207	0	0	0	0	0	0	1
1207_1208	1207	1208	0	0	0	0	0	0	1
1208_1208	1208	1208	0	0	0	0	0	0	1
1208_1209	1208	1209	0	0	0	0	0	0	1
1209_1209	1209	1209	0	0	0	0	0	0	1
1209_1210	1209	1210	0	0	0	0	0	0	1
1210_1210	1210	1210	0	0	0	0	0	0	1
1210_1211	1210	1211	0	0	0	0	0	0	1
1211_1211	1211	1211	0	0	0	0	0	0	1
1211_1212	1211	1212	0	0	0	0	0	0	1
1212_1212	1212	1212	0	0	0	0	0	0	1
1212_1213	1212	1213	0	0	0	0	0	0	1
1213_1213	1213	1213	0	0	0	0	0	0	1
1213_1214	1213	1214	0	0	0	0	0	0	1
1214_1214	1214	1214	0	0	0	0	0	0	1
1214_1215	1214	1215	0	0	0	0	0	0	1
1215_1215	1215	1215	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1215_1216	1215	1216	0	0	0	0	0	0	1
1216_1216	1216	1216	0	0	0	0	0	0	1
1216_1217	1216	1217	0	0	0	0	0	0	1
1217_1217	1217	1217	0	0	0	0	0	0	1
1217_1218	1217	1218	0	0	0	0	0	0	1
1218_1218	1218	1218	0	0	0	0	0	0	1
1218_1219	1218	1219	0	0	0	0	0	0	1
1219_1219	1219	1219	0	0	0	0	0	0	1
1219_1220	1219	1220	0	0	0	0	0	0	1
1220_1220	1220	1220	0	0	0	0	0	0	1
1220_1221	1220	1221	0	0	0	0	0	0	1
1221_1221	1221	1221	0	0	0	0	0	0	1
1221_1222	1221	1222	0	0	0	0	0	0	1.01
1222_1222	1222	1222	0	0	0	0	0	0	1.01
1222_1223	1222	1223	0	0	0	0	0	0	1.01
1223_1223	1223	1223	0	0	0	0	0	0	1.01
1223_1224	1223	1224	0	0	0	0	0	0	1.03
1224_1224	1224	1224	0	0	0	0	0	0	1.03
1224_1225	1224	1225	0	0	0	0	0	0	1
1225_1225	1225	1225	0	0	0	0	0	0	1
1225_1226	1225	1226	0	0	0	0	0	0	1
1226_1226	1226	1226	0	0	0	0	0	0	1
1226_1227	1226	1227	0	0	0	0	0	0	1
1227_1227	1227	1227	0	0	0	0	0	0	1
1227_1228	1227	1228	0	0	0	0	0	0	1
1228_1228	1228	1228	0	0	0	0	0	0	1
1228_1229	1228	1229	0	0	0	0	0	0	1
1229_1229	1229	1229	0	0	0	0	0	0	1
1229_1230	1229	1230	0	0	0	0	0	0	1
1230_1230	1230	1230	0	0	0	0	0	0	1
1230_1231	1230	1231	0	0	0	0	0	0	1
1231_1231	1231	1231	0	0	0	0	0	0	1
1231_1232	1231	1232	0	0	0	0	0	0	1
1232_1232	1232	1232	0	0	0	0	0	0	1
1232_1233	1232	1233	0	0	0	0	0	0	1
1233_1233	1233	1233	0	0	0	0	0	0	1
1233_1234	1233	1234	0	0	0	0	0	0	1.03
1234_1234	1234	1234	0	0	0	0	0	0	1.03
1234_1235	1234	1235	0	0	0	0	0	0	1.03
1235_1235	1235	1235	0	0	0	0	0	0	1.03
1235_1236	1235	1236	0	0	0	0	0	0	1.03
1236_1236	1236	1236	0	0	0	0	0	0	1.03
1236_1237	1236	1237	0	0	0	0	0	0	1.03
1237_1237	1237	1237	0	0	0	0	0	0	1.03
1237_1238	1237	1238	0	0	0	0	0	0	1.01
1238_1238	1238	1238	0	0	0	0	0	0	1.01
1238_1239	1238	1239	0	0	0	0	0	0	1.01
1239_1239	1239	1239	0	0	0	0	0	0	1.01
1239_1240	1239	1240	0	0	0	0	0	0	1.01
1240_1240	1240	1240	0	0	0	0	0	0	1.01
1240_1241	1240	1241	0	0	0	0	0	0	1
1241_1241	1241	1241	0	0	0	0	0	0	1
1241_1242	1241	1242	0	0	0	0	0	0	1
1242_1242	1242	1242	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1242_1243	1242	1243	0	0	0	0	0	0	1
1243_1243	1243	1243	0	0	0	0	0	0	1
1243_1244	1243	1244	0	0	0	0	0	0	1
1244_1244	1244	1244	0	0	0	0	0	0	1
1244_1245	1244	1245	0	0	0	0	0	0	1
1245_1245	1245	1245	0	0	0	0	0	0	1
1245_1246	1245	1246	0	0	0	0	0	0	1
1246_1246	1246	1246	0	0	0	0	0	0	1
1246_1247	1246	1247	0	0	0	0	0	0	1
1247_1247	1247	1247	0	0	0	0	0	0	1
1247_1248	1247	1248	0	0	0	0	0	0	1
1248_1248	1248	1248	0	0	0	0	0	0	1
1248_1249	1248	1249	0	0	0	0	0	0	1
1249_1249	1249	1249	0	0	0	0	0	0	1
1249_1250	1249	1250	0	0	0	0	0	0	1
1250_1250	1250	1250	0	0	0	0	0	0	1
1250_1251	1250	1251	0	0	0	0	0	0	1
1251_1251	1251	1251	0	0	0	0	0	0	1
1251_1252	1251	1252	0	0	0	0	0	0	1
1252_1252	1252	1252	0	0	0	0	0	0	1
1252_1253	1252	1253	0	0	0	0	0	0	1
1253_1253	1253	1253	0	0	0	0	0	0	1
1253_1254	1253	1254	0	0	0	0	0	0	1
1254_1254	1254	1254	0	0	0	0	0	0	1
1254_1255	1254	1255	0	0	0	0	0	0	1.01
1255_1255	1255	1255	0	0	0	0	0	0	1.01
1255_1256	1255	1256	0	0	0	0	0	0	1.01
1256_1256	1256	1256	0	0	0	0	0	0	1.01
1256_1257	1256	1257	0	0	0	0	0	0	1.02
1257_1257	1257	1257	0	0	0	0	0	0	1.02
1257_1258	1257	1258	0	0	0	0	0	0	1.03
1258_1258	1258	1258	0	0	0	0	0	0	1.03
1258_1259	1258	1259	0	0	0	0	0	0	1.05
1259_1259	1259	1259	0	0	0	0	0	0	1.05
1259_1260	1259	1260	0	0	0	0	0	0	1.05
1260_1260	1260	1260	0	0	0	0	0	0	1.05
1260_1261	1260	1261	0	0	0	0	0	0	1
1261_1261	1261	1261	0	0	0	0	0	0	1
1261_1262	1261	1262	0	0	0	0	0	0	1
1262_1262	1262	1262	0	0	0	0	0	0	1
1262_1263	1262	1263	0	0	0	0	0	0	1
1263_1263	1263	1263	0	0	0	0	0	0	1
1263_1264	1263	1264	0	0	0	0	0	0	1
1264_1264	1264	1264	0	0	0	0	0	0	1
1264_1265	1264	1265	0	0	0	0	0	0	1
1265_1265	1265	1265	0	0	0	0	0	0	1
1265_1266	1265	1266	0	0	0	0	0	0	1
1266_1266	1266	1266	0	0	0	0	0	0	1
1266_1267	1266	1267	0	0	0	0	0	0	1
1267_1267	1267	1267	0	0	0	0	0	0	1
1267_1268	1267	1268	0	0	0	0	0	0	1
1268_1268	1268	1268	0	0	0	0	0	0	1
1268_1269	1268	1269	0	0	0	0	0	0	1
1269_1269	1269	1269	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1269_1270	1269	1270	0	0	0	0	0	0	1
1270_1270	1270	1270	0	0	0	0	0	0	1
1270_1271	1270	1271	0	0	0	0	0	0	1
1271_1271	1271	1271	0	0	0	0	0	0	1
1271_1272	1271	1272	0	0	0	0	0	0	1.07
1272_1272	1272	1272	0	0	0	0	0	0	1.07
1272_1273	1272	1273	0	0	0	0	0	0	1.07
1273_1273	1273	1273	0	0	0	0	0	0	1.07
1273_1274	1273	1274	0	0	0	0	0	0	1.04
1274_1274	1274	1274	0	0	0	0	0	0	1.04
1274_1275	1274	1275	0	0	0	0	0	0	1.03
1275_1275	1275	1275	0	0	0	0	0	0	1.03
1275_1276	1275	1276	0	0	0	0	0	0	1.03
1276_1276	1276	1276	0	0	0	0	0	0	1.03
1276_1277	1276	1277	0	0	0	0	0	0	1.02
1277_1277	1277	1277	0	0	0	0	0	0	1.02
1277_1278	1277	1278	0	0	0	0	0	0	1.02
1278_1278	1278	1278	0	0	0	0	0	0	1.02
1278_1279	1278	1279	0	0	0	0	0	0	1.02
1279_1279	1279	1279	0	0	0	0	0	0	1
1279_1280	1279	1280	0	0	0	0	0	0	1
1280_1280	1280	1280	0	0	0	0	0	0	1
1280_1281	1280	1281	0	0	0	0	0	0	1
1281_1281	1281	1281	0	0	0	0	0	0	1
1281_1282	1281	1282	0	0	0	0	0	0	1
1282_1282	1282	1282	0	0	0	0	0	0	1
1282_1283	1282	1283	0	0	0	0	0	0	1
1283_1283	1283	1283	0	0	0	0	0	0	1
1283_1284	1283	1284	0	0	0	0	0	0	1
1284_1284	1284	1284	0	0	0	0	0	0	1
1284_1285	1284	1285	0	0	0	0	0	0	1
1285_1285	1285	1285	0	0	0	0	0	0	1
1285_1286	1285	1286	0	0	0	0	0	0	1
1286_1286	1286	1286	0	0	0	0	0	0	1
1286_1287	1286	1287	0	0	0	0	0	0	1
1287_1287	1287	1287	0	0	0	0	0	0	1
1287_1288	1287	1288	0	0	0	0	0	0	1
1288_1288	1288	1288	0	0	0	0	0	0	1
1288_1289	1288	1289	0	0	0	0	0	0	1
1289_1289	1289	1289	0	0	0	0	0	0	1
1289_1290	1289	1290	0	0	0	0	0	0	1
1290_1290	1290	1290	0	0	0	0	0	0	1
1290_1291	1290	1291	0	0	0	0	0	0	1.02
1291_1291	1291	1291	0	0	0	0	0	0	1.02
1291_1292	1291	1292	0	0	0	0	0	0	1.02
1292_1292	1292	1292	0	0	0	0	0	0	1.02
1292_1293	1292	1293	0	0	0	0	0	0	1.03
1293_1293	1293	1293	0	0	0	0	0	0	1.03
1293_1294	1293	1294	0	0	0	0	0	0	1.05
1294_1294	1294	1294	0	0	0	0	0	0	1.05
1294_1295	1294	1295	0	0	0	0	0	0	1.14
1295_1295	1295	1295	0	0	0	0	0	0	1.14
1295_1296	1295	1296	0	0	0	0	0	0	1
1296_1296	1296	1296	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1296_1297	1296	1297	0	0	0	0	0	0	1
1297_1297	1297	1297	0	0	0	0	0	0	1
1297_1298	1297	1298	0	0	0	0	0	0	1
1298_1298	1298	1298	0	0	0	0	0	0	1
1298_1299	1298	1299	0	0	0	0	0	0	1
1299_1299	1299	1299	0	0	0	0	0	0	1
1299_1300	1299	1300	0	0	0	0	0	0	1
1300_1300	1300	1300	0	0	0	0	0	0	1
1300_1301	1300	1301	0	0	0	0	0	0	1
1301_1301	1301	1301	0	0	0	0	0	0	1
1301_1302	1301	1302	0	0	0	0	0	0	1
1302_1302	1302	1302	0	0	0	0	0	0	1
1302_1303	1302	1303	0	0	0	0	0	0	1
1303_1303	1303	1303	0	0	0	0	0	0	1
1303_1304	1303	1304	0	0	0	0	0	0	1
1304_1304	1304	1304	0	0	0	0	0	0	1
1304_1305	1304	1305	0	0	0	0	0	0	1
1305_1305	1305	1305	0	0	0	0	0	0	1
1305_1306	1305	1306	0	0	0	0	0	0	1
1306_1306	1306	1306	0	0	0	0	0	0	1
1306_1307	1306	1307	0	0	0	0	0	0	1
1307_1307	1307	1307	0	0	0	0	0	0	1
1307_1308	1307	1308	0	0	0	0	0	0	1
1308_1308	1308	1308	0	0	0	0	0	0	1
1308_1309	1308	1309	0	0	0	0	0	0	1
1309_1309	1309	1309	0	0	0	0	0	0	1
1309_1310	1309	1310	0	0	0	0	0	0	1
1310_1310	1310	1310	0	0	0	0	0	0	1
1310_1311	1310	1311	0	0	0	0	0	0	1
1311_1311	1311	1311	0	0	0	0	0	0	1
1311_1312	1311	1312	0	0	0	0	0	0	1
1312_1312	1312	1312	0	0	0	0	0	0	1
1312_1313	1312	1313	0	0	0	0	0	0	1
1400_1020	1400	1020	0	0	0	0	0	0	1.02
1400_1401	1400	1401	0	0	0	0	0	0	1
1401_1401	1401	1401	0	0	0	0	0	0	1
1401_1402	1401	1402	0	0	0	0	0	0	1
1402_1402	1402	1402	0	0	0	0	0	0	1
1402_1403	1402	1403	0	0	0	0	0	0	1
1403_1403	1403	1403	0	0	0	0	0	0	1
1403_1404	1403	1404	0	0	0	0	0	0	1
1404_1404	1404	1404	0	0	0	0	0	0	1
1404_1405	1404	1405	0	0	0	0	0	0	1
1405_1405	1405	1405	0	0	0	0	0	0	1
1405_1406	1405	1406	0	0	0	0	0	0	1
1406_1406	1406	1406	0	0	0	0	0	0	1
1406_1407	1406	1407	0	0	0	0	0	0	1
1407_1407	1407	1407	0	0	0	0	0	0	1
1407_1408	1407	1408	0	0	0	0	0	0	1
1408_1408	1408	1408	0	0	0	0	0	0	1
1408_1409	1408	1409	0	0	0	0	0	0	1
1409_1409	1409	1409	0	0	0	0	0	0	1
1409_1410	1409	1410	0	0	0	0	0	0	1
1410_1410	1410	1410	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1410_1411	1410	1411	0	0	0	0	0	0	1
1411_1411	1411	1411	0	0	0	0	0	0	1
1411_1412	1411	1412	0	0	0	0	0	0	1
1412_1412	1412	1412	0	0	0	0	0	0	1
1412_1413	1412	1413	0	0	0	0	0	0	1
1413_1413	1413	1413	0	0	0	0	0	0	1
1413_1414	1413	1414	0	0	0	0	0	0	1
1414_1414	1414	1414	0	0	0	0	0	0	1
1414_1415	1414	1415	0	0	0	0	0	0	1
1415_1415	1415	1415	0	0	0	0	0	0	1
1415_1416	1415	1416	0	0	0	0	0	0	1
1416_1416	1416	1416	0	0	0	0	0	0	1
1416_1417	1416	1417	0	0	0	0	0	0	1
1417_1417	1417	1417	0	0	0	0	0	0	1
1417_1036	1417	1036	0	0	0	0	0	0	1.01
1420_1056	1420	1056	0	0	0	0	0	0	1.01
1420_1421	1420	1421	0	0	0	0	0	0	1
1421_1421	1421	1421	0	0	0	0	0	0	1
1421_1422	1421	1422	0	0	0	0	0	0	1
1422_1422	1422	1422	0	0	0	0	0	0	1
1422_1423	1422	1423	0	0	0	0	0	0	1
1423_1423	1423	1423	0	0	0	0	0	0	1
1423_1424	1423	1424	0	0	0	0	0	0	1
1424_1424	1424	1424	0	0	0	0	0	0	1
1424_1425	1424	1425	0	0	0	0	0	0	1
1425_1425	1425	1425	0	0	0	0	0	0	1
1425_1426	1425	1426	0	0	0	0	0	0	1
1426_1426	1426	1426	0	0	0	0	0	0	1
1426_1427	1426	1427	0	0	0	0	0	0	1
1427_1427	1427	1427	0	0	0	0	0	0	1
1427_1428	1427	1428	0	0	0	0	0	0	1
1428_1428	1428	1428	0	0	0	0	0	0	1
1428_1429	1428	1429	0	0	0	0	0	0	1
1429_1429	1429	1429	0	0	0	0	0	0	1
1429_1430	1429	1430	0	0	0	0	0	0	1
1430_1430	1430	1430	0	0	0	0	0	0	1
1430_1431	1430	1431	0	0	0	0	0	0	1
1431_1431	1431	1431	0	0	0	0	0	0	1
1431_1432	1431	1432	0	0	0	0	0	0	1
1432_1432	1432	1432	0	0	0	0	0	0	1
1432_1433	1432	1433	0	0	0	0	0	0	1
1433_1433	1433	1433	0	0	0	0	0	0	1
1433_1434	1433	1434	0	0	0	0	0	0	1
1434_1434	1434	1434	0	0	0	0	0	0	1
1434_1435	1434	1435	0	0	0	0	0	0	1
1435_1435	1435	1435	0	0	0	0	0	0	1
1435_1436	1435	1436	0	0	0	0	0	0	1
1436_1436	1436	1436	0	0	0	0	0	0	1
1436_1437	1436	1437	0	0	0	0	0	0	1
1437_1437	1437	1437	0	0	0	0	0	0	1
1437_1072	1437	1072	0	0	0	0	0	0	1.01
1440_1094	1440	1094	0	0	0	0	0	0	1
1440_1441	1440	1441	0	0	0	0	0	0	1
1441_1441	1441	1441	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1441_1442	1441	1442	0	0	0	0	0	0	1
1442_1442	1442	1442	0	0	0	0	0	0	1
1442_1443	1442	1443	0	0	0	0	0	0	1
1443_1443	1443	1443	0	0	0	0	0	0	1
1443_1444	1443	1444	0	0	0	0	0	0	1
1444_1444	1444	1444	0	0	0	0	0	0	1
1444_1445	1444	1445	0	0	0	0	0	0	1
1445_1445	1445	1445	0	0	0	0	0	0	1
1445_1446	1445	1446	0	0	0	0	0	0	1
1446_1446	1446	1446	0	0	0	0	0	0	1
1446_1447	1446	1447	0	0	0	0	0	0	1
1447_1447	1447	1447	0	0	0	0	0	0	1
1447_1448	1447	1448	0	0	0	0	0	0	1
1448_1448	1448	1448	0	0	0	0	0	0	1
1448_1449	1448	1449	0	0	0	0	0	0	1
1449_1449	1449	1449	0	0	0	0	0	0	1
1449_1450	1449	1450	0	0	0	0	0	0	1
1450_1450	1450	1450	0	0	0	0	0	0	1
1450_1451	1450	1451	0	0	0	0	0	0	1
1451_1451	1451	1451	0	0	0	0	0	0	1
1451_1452	1451	1452	0	0	0	0	0	0	1
1452_1452	1452	1452	0	0	0	0	0	0	1
1452_1453	1452	1453	0	0	0	0	0	0	1
1453_1453	1453	1453	0	0	0	0	0	0	1
1453_1454	1453	1454	0	0	0	0	0	0	1
1454_1454	1454	1454	0	0	0	0	0	0	1
1454_1455	1454	1455	0	0	0	0	0	0	1
1455_1455	1455	1455	0	0	0	0	0	0	1
1455_1456	1455	1456	0	0	0	0	0	0	1
1456_1456	1456	1456	0	0	0	0	0	0	1
1456_1457	1456	1457	0	0	0	0	0	0	1
1457_1457	1457	1457	0	0	0	0	0	0	1
1457_1110	1457	1110	0	0	0	0	0	0	1.01
1460_1132	1460	1132	0	0	0	0	0	0	1.03
1460_1461	1460	1461	0	0	0	0	0	0	1
1461_1461	1461	1461	0	0	0	0	0	0	1
1461_1462	1461	1462	0	0	0	0	0	0	1
1462_1462	1462	1462	0	0	0	0	0	0	1
1462_1463	1462	1463	0	0	0	0	0	0	1
1463_1463	1463	1463	0	0	0	0	0	0	1
1463_1464	1463	1464	0	0	0	0	0	0	1
1464_1464	1464	1464	0	0	0	0	0	0	1
1464_1465	1464	1465	0	0	0	0	0	0	1
1465_1465	1465	1465	0	0	0	0	0	0	1
1465_1466	1465	1466	0	0	0	0	0	0	1
1466_1466	1466	1466	0	0	0	0	0	0	1
1466_1467	1466	1467	0	0	0	0	0	0	1
1467_1467	1467	1467	0	0	0	0	0	0	1
1467_1468	1467	1468	0	0	0	0	0	0	1
1468_1468	1468	1468	0	0	0	0	0	0	1
1468_1469	1468	1469	0	0	0	0	0	0	1
1469_1469	1469	1469	0	0	0	0	0	0	1
1469_1470	1469	1470	0	0	0	0	0	0	1
1470_1470	1470	1470	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1470_1471	1470	1471	0	0	0	0	0	0	1
1471_1471	1471	1471	0	0	0	0	0	0	1
1471_1472	1471	1472	0	0	0	0	0	0	1
1472_1472	1472	1472	0	0	0	0	0	0	1
1472_1473	1472	1473	0	0	0	0	0	0	1
1473_1473	1473	1473	0	0	0	0	0	0	1
1473_1474	1473	1474	0	0	0	0	0	0	1
1474_1474	1474	1474	0	0	0	0	0	0	1
1474_1475	1474	1475	0	0	0	0	0	0	1
1475_1475	1475	1475	0	0	0	0	0	0	1
1475_1476	1475	1476	0	0	0	0	0	0	1
1476_1476	1476	1476	0	0	0	0	0	0	1
1476_1477	1476	1477	0	0	0	0	0	0	1
1477_1477	1477	1477	0	0	0	0	0	0	1
1477_1148	1477	1148	0	0	0	0	0	0	1
1480_1168	1480	1168	0	0	0	0	0	0	1
1480_1481	1480	1481	0	0	0	0	0	0	1
1481_1481	1481	1481	0	0	0	0	0	0	1
1481_1482	1481	1482	0	0	0	0	0	0	1
1482_1482	1482	1482	0	0	0	0	0	0	1
1482_1483	1482	1483	0	0	0	0	0	0	1
1483_1483	1483	1483	0	0	0	0	0	0	1
1483_1484	1483	1484	0	0	0	0	0	0	1
1484_1484	1484	1484	0	0	0	0	0	0	1
1484_1485	1484	1485	0	0	0	0	0	0	1
1485_1485	1485	1485	0	0	0	0	0	0	1
1485_1486	1485	1486	0	0	0	0	0	0	1
1486_1486	1486	1486	0	0	0	0	0	0	1
1486_1487	1486	1487	0	0	0	0	0	0	1
1487_1487	1487	1487	0	0	0	0	0	0	1
1487_1488	1487	1488	0	0	0	0	0	0	1
1488_1488	1488	1488	0	0	0	0	0	0	1
1488_1489	1488	1489	0	0	0	0	0	0	1
1489_1489	1489	1489	0	0	0	0	0	0	1
1489_1490	1489	1490	0	0	0	0	0	0	1
1490_1490	1490	1490	0	0	0	0	0	0	1
1490_1491	1490	1491	0	0	0	0	0	0	1
1491_1491	1491	1491	0	0	0	0	0	0	1
1491_1492	1491	1492	0	0	0	0	0	0	1
1492_1492	1492	1492	0	0	0	0	0	0	1
1492_1493	1492	1493	0	0	0	0	0	0	1
1493_1493	1493	1493	0	0	0	0	0	0	1
1493_1494	1493	1494	0	0	0	0	0	0	1
1494_1494	1494	1494	0	0	0	0	0	0	1
1494_1495	1494	1495	0	0	0	0	0	0	1
1495_1495	1495	1495	0	0	0	0	0	0	1
1495_1496	1495	1496	0	0	0	0	0	0	1
1496_1496	1496	1496	0	0	0	0	0	0	1
1496_1497	1496	1497	0	0	0	0	0	0	1
1497_1497	1497	1497	0	0	0	0	0	0	1
1497_1184	1497	1184	0	0	0	0	0	0	1.02
1500_1204	1500	1204	0	0	0	0	0	0	1.01
1500_1501	1500	1501	0	0	0	0	0	0	1
1501_1501	1501	1501	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1501_1502	1501	1502	0	0	0	0	0	0	1
1502_1502	1502	1502	0	0	0	0	0	0	1
1502_1503	1502	1503	0	0	0	0	0	0	1
1503_1503	1503	1503	0	0	0	0	0	0	1
1503_1504	1503	1504	0	0	0	0	0	0	1
1504_1504	1504	1504	0	0	0	0	0	0	1
1504_1505	1504	1505	0	0	0	0	0	0	1
1505_1505	1505	1505	0	0	0	0	0	0	1
1505_1506	1505	1506	0	0	0	0	0	0	1
1506_1506	1506	1506	0	0	0	0	0	0	1
1506_1507	1506	1507	0	0	0	0	0	0	1
1507_1507	1507	1507	0	0	0	0	0	0	1
1507_1508	1507	1508	0	0	0	0	0	0	1
1508_1508	1508	1508	0	0	0	0	0	0	1
1508_1509	1508	1509	0	0	0	0	0	0	1
1509_1509	1509	1509	0	0	0	0	0	0	1
1509_1510	1509	1510	0	0	0	0	0	0	1
1510_1510	1510	1510	0	0	0	0	0	0	1
1510_1511	1510	1511	0	0	0	0	0	0	1
1511_1511	1511	1511	0	0	0	0	0	0	1
1511_1512	1511	1512	0	0	0	0	0	0	1
1512_1512	1512	1512	0	0	0	0	0	0	1
1512_1513	1512	1513	0	0	0	0	0	0	1
1513_1513	1513	1513	0	0	0	0	0	0	1
1513_1514	1513	1514	0	0	0	0	0	0	1
1514_1514	1514	1514	0	0	0	0	0	0	1
1514_1515	1514	1515	0	0	0	0	0	0	1
1515_1515	1515	1515	0	0	0	0	0	0	1
1515_1516	1515	1516	0	0	0	0	0	0	1
1516_1516	1516	1516	0	0	0	0	0	0	1
1516_1517	1516	1517	0	0	0	0	0	0	1
1517_1517	1517	1517	0	0	0	0	0	0	1
1517_1220	1517	1220	0	0	0	0	0	0	1
1520_1241	1520	1241	0	0	0	0	0	0	1
1520_1521	1520	1521	0	0	0	0	0	0	1
1521_1521	1521	1521	0	0	0	0	0	0	1
1521_1522	1521	1522	0	0	0	0	0	0	1
1522_1522	1522	1522	0	0	0	0	0	0	1
1522_1523	1522	1523	0	0	0	0	0	0	1
1523_1523	1523	1523	0	0	0	0	0	0	1
1523_1524	1523	1524	0	0	0	0	0	0	1
1524_1524	1524	1524	0	0	0	0	0	0	1
1524_1525	1524	1525	0	0	0	0	0	0	1
1525_1525	1525	1525	0	0	0	0	0	0	1
1525_1526	1525	1526	0	0	0	0	0	0	1
1526_1526	1526	1526	0	0	0	0	0	0	1
1526_1527	1526	1527	0	0	0	0	0	0	1
1527_1527	1527	1527	0	0	0	0	0	0	1
1527_1528	1527	1528	0	0	0	0	0	0	1
1528_1528	1528	1528	0	0	0	0	0	0	1
1528_1529	1528	1529	0	0	0	0	0	0	1
1529_1529	1529	1529	0	0	0	0	0	0	1
1529_1530	1529	1530	0	0	0	0	0	0	1
1530_1530	1530	1530	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1530_1531	1530	1531	0	0	0	0	0	0	1
1531_1531	1531	1531	0	0	0	0	0	0	1
1531_1532	1531	1532	0	0	0	0	0	0	1
1532_1532	1532	1532	0	0	0	0	0	0	1
1532_1533	1532	1533	0	0	0	0	0	0	1
1533_1533	1533	1533	0	0	0	0	0	0	1
1533_1534	1533	1534	0	0	0	0	0	0	1
1534_1534	1534	1534	0	0	0	0	0	0	1
1534_1535	1534	1535	0	0	0	0	0	0	1
1535_1535	1535	1535	0	0	0	0	0	0	1
1535_1536	1535	1536	0	0	0	0	0	0	1
1536_1536	1536	1536	0	0	0	0	0	0	1
1536_1537	1536	1537	0	0	0	0	0	0	1
1537_1537	1537	1537	0	0	0	0	0	0	1
1537_1255	1537	1255	0	0	0	0	0	0	1.01
1540_1279	1540	1279	0	0	0	0	0	0	1
1540_1541	1540	1541	0	0	0	0	0	0	1
1541_1541	1541	1541	0	0	0	0	0	0	1
1541_1542	1541	1542	0	0	0	0	0	0	1
1542_1542	1542	1542	0	0	0	0	0	0	1
1542_1543	1542	1543	0	0	0	0	0	0	1
1543_1543	1543	1543	0	0	0	0	0	0	1
1543_1544	1543	1544	0	0	0	0	0	0	1
1544_1544	1544	1544	0	0	0	0	0	0	1
1544_1545	1544	1545	0	0	0	0	0	0	1
1545_1545	1545	1545	0	0	0	0	0	0	1
1545_1546	1545	1546	0	0	0	0	0	0	1
1546_1546	1546	1546	0	0	0	0	0	0	1
1546_1547	1546	1547	0	0	0	0	0	0	1
1547_1547	1547	1547	0	0	0	0	0	0	1
1547_1548	1547	1548	0	0	0	0	0	0	1
1548_1548	1548	1548	0	0	0	0	0	0	1
1548_1549	1548	1549	0	0	0	0	0	0	1
1549_1549	1549	1549	0	0	0	0	0	0	1
1549_1550	1549	1550	0	0	0	0	0	0	1
1550_1550	1550	1550	0	0	0	0	0	0	1
1550_1551	1550	1551	0	0	0	0	0	0	1
1551_1551	1551	1551	0	0	0	0	0	0	1
1551_1552	1551	1552	0	0	0	0	0	0	1
1552_1552	1552	1552	0	0	0	0	0	0	1
1552_1553	1552	1553	0	0	0	0	0	0	1
1553_1553	1553	1553	0	0	0	0	0	0	1
1553_1554	1553	1554	0	0	0	0	0	0	1
1554_1554	1554	1554	0	0	0	0	0	0	1
1554_1555	1554	1555	0	0	0	0	0	0	1
1555_1555	1555	1555	0	0	0	0	0	0	1
1555_1556	1555	1556	0	0	0	0	0	0	1
1556_1556	1556	1556	0	0	0	0	0	0	1
1556_1557	1556	1557	0	0	0	0	0	0	1
1557_1557	1557	1557	0	0	0	0	0	0	1
1557_1291	1557	1291	0	0	0	0	0	0	1.02
41000_1000	41000	1000	2.123	39.274	2.109	5.591	0	11.798	1
41000_1001	41000	1001	-2.123	-31.672	-2.109	-5.591	-35.864	591.434	1
41001_1001	41001	1001	2.119	31.672	2.113	6.754	35.864	-591.423	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
41001_1002	41001	1002	-2.119	-26.821	-2.113	-6.754	-58.798	908.84	1
41002_1002	41002	1002	1.963	25.542	-3.288	5.166	58.798	-908.752	1
41002_1003	41002	1003	-1.963	-20.091	3.288	-5.166	-18.706	1186.944	1
41003_1003	41003	1003	1.966	20.091	-3.287	6.133	18.706	-1186.94	1
41003_1004	41003	1004	-1.966	-14.64	3.287	-6.133	21.368	1398.695	1
41004_1004	41004	1004	2.066	18.824	0.734	2.954	-21.368	-1398.52	1
41004_1005	41004	1005	-2.066	-13.371	-0.734	-2.954	12.418	1594.868	1
41005_1005	41005	1005	2.065	13.371	0.735	4.254	-12.418	-1594.87	1
41005_1006	41005	1006	-2.065	-7.919	-0.735	-4.254	3.446	1724.717	1
41006_1006	41006	1006	2.054	11.208	0.137	0.994	-3.446	-1724.58	1
41006_1007	41006	1007	-2.054	-5.759	-0.137	-0.994	1.778	1828.007	1
41007_1007	41007	1007	2.054	5.759	0.139	2.483	-1.778	-1828.01	1
41007_1008	41007	1008	-2.054	-0.309	-0.139	-2.483	0.09	1864.995	1
41008_1008	41008	1008	2.052	4.08	0.012	-0.997	-0.09	-1864.9	1
41008_1009	41008	1009	-2.052	1.368	-0.012	0.997	-0.055	1881.426	1
41009_1009	41009	1009	2.052	-1.368	0.014	0.352	0.055	-1881.43	1
41009_1010	41009	1010	-2.052	6.82	-0.014	-0.352	-0.219	1831.49	1
41010_1010	41010	1010	2.052	-3.209	0.022	-3.756	0.219	-1831.45	1
41010_1011	41010	1011	-2.052	8.658	-0.022	3.756	-0.49	1759.114	1
41011_1011	41011	1011	2.052	-8.658	0.026	-0.714	0.49	-1759.12	1
41011_1012	41011	1012	-2.052	14.103	-0.026	0.714	-0.806	1620.469	1
41012_1012	41012	1012	2.051	-11.528	-0.323	-2.985	0.806	-1620.47	1
41012_1013	41012	1013	-2.051	16.979	0.323	2.985	3.14	1446.663	1
41013_1013	41013	1013	2.051	-16.979	-0.326	-4.163	-3.14	-1446.66	1
41013_1014	41013	1014	-2.051	22.429	0.326	4.163	7.106	1206.422	1
41014_1014	41014	1014	2.051	-19.64	-0.382	-5.978	-7.106	-1206.41	1
41014_1015	41014	1015	-2.051	27.12	0.382	5.978	13.508	815.187	1
41015_1015	41015	1015	2.292	-27.101	-0.385	-6.708	-13.568	-813.998	1
41015_1016	41015	1016	-2.334	30.788	0.385	6.708	16.747	575.21	1
41016_1016	41016	1016	3.082	-33.341	-1.773	-4.514	-7.006	301.951	1
41016_1017	41016	1017	-3.254	38.591	1.773	4.514	27.836	-724.467	1.06
41017_1017	41017	1017	4.206	-38.498	-1.776	-2.905	-27.893	724.256	1.06
41017_1018	41017	1018	-4.567	44.422	1.776	2.905	51.466	-1274.4	1.03
41018_1018	41018	1018	5.597	-43.609	3.035	-4.809	-51.769	1274.367	1.03
41018_1019	41018	1019	-6.095	49.195	-3.035	4.809	13.728	-1855.88	1.02
41019_1019	41019	1019	7.392	-49.017	3.032	-1.342	-13.531	1855.884	1.02
41019_1020	41019	1020	-8.046	54.606	-3.032	1.342	-24.574	-2507.11	1.02
41020_1020	41020	1020	-156.937	28.513	-5.329	-0.991	118.152	976.749	1.02
41020_1021	41020	1021	156.937	-24.265	5.329	0.991	-67.51	-725.982	1
41021_1021	41021	1021	-156.943	24.265	-5.147	1.099	67.51	688.055	1
41021_1022	41021	1022	156.943	-20.801	5.147	-1.099	-27.624	-513.421	1
41022_1022	41022	1022	-156.95	20.801	-4.945	1.758	27.624	513.42	1
41022_1023	41022	1023	156.95	-17.337	4.945	-1.758	10.696	-365.654	1
41023_1023	41023	1023	-156.966	17.246	-0.445	0.011	-10.696	365.647	1
41023_1024	41023	1024	156.966	-13.67	0.445	-0.011	14.258	-241.986	1
41024_1024	41024	1024	-156.966	13.67	-0.445	0.011	-14.258	241.986	1
41024_1025	41024	1025	156.966	-10.094	0.445	-0.011	17.82	-146.931	1
41025_1025	41025	1025	-156.966	6.454	-0.25	0.194	-17.82	146.932	1
41025_1026	41025	1026	156.966	-2.879	0.25	-0.194	19.822	-109.605	1
41026_1026	41026	1026	-156.966	3.647	-0.047	-0.467	-19.822	109.604	1
41026_1027	41026	1027	156.966	-0.967	0.047	0.467	20.108	-95.771	1
41027_1027	41027	1027	-156.966	0.967	0.241	-0.29	-20.108	95.771	1
41027_1028	41027	1028	156.966	1.718	-0.241	0.29	18.663	-98.026	1
41028_1028	41028	1028	-156.966	-1.718	0.212	-0.309	-18.663	98.026	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
41028_1029	41028	1029	156.966	4.397	-0.212	0.309	17.389	-116.358	1
41029_1029	41029	1029	-156.966	-4.397	0.241	-0.288	-17.389	116.358	1
41029_1030	41029	1030	156.966	7.082	-0.241	0.288	15.944	-150.827	1
41030_1030	41030	1030	-156.966	-6.341	0.283	-0.787	-15.944	150.829	1
41030_1031	41030	1031	156.966	9.915	-0.283	0.787	13.683	-215.808	1
41031_1031	41031	1031	-156.966	-9.915	0.304	-0.759	-13.683	215.808	1
41031_1032	41031	1032	156.966	13.492	-0.304	0.759	11.253	-309.497	1
41032_1032	41032	1032	-156.966	-13.492	0.283	-0.801	-11.253	309.497	1
41032_1033	41032	1033	156.966	17.066	-0.283	0.801	8.992	-431.661	1
41033_1033	41033	1033	-156.959	-16.842	2.016	-4.438	-8.992	431.68	1
41033_1034	41033	1034	156.959	20.308	-2.016	4.438	-6.636	-575.682	1
41034_1034	41034	1034	-156.956	-20.308	2.217	-3.699	6.636	575.687	1
41034_1035	41034	1035	156.956	23.772	-2.217	3.699	-23.824	-746.528	1
41035_1035	41035	1035	-156.928	-23.772	3.722	4.382	23.824	785.505	1
41035_1036	41035	1036	156.928	28.02	-3.722	-4.382	-59.19	-1031.57	1.01
41036_1036	41036	1036	23.314	50.151	-1.848	0.777	11.144	2694.363	1.01
41036_1037	41036	1037	-22.66	-44.563	1.848	-0.777	12.076	-2099.22	1.02
41037_1037	41037	1037	21.476	45.144	-1.862	2.763	-12.179	2099.214	1.02
41037_1038	41037	1038	-20.978	-39.557	1.862	-2.763	35.522	-1568.28	1.02
41038_1038	41038	1038	20.031	40.257	0.846	1.09	-35.31	1568.381	1.02
41038_1039	41038	1039	-19.67	-34.338	-0.846	-1.09	24.091	-1073.89	1.03
41039_1039	41039	1039	40.573	104.469	-1.552	15.318	-47.355	12654.37	1.03
41039_1040	41039	1040	-40.401	-99.215	1.552	-15.318	65.613	-11456.9	1.05
41040_1040	41040	1040	38.803	100.601	2.69	2.585	-65.217	11457.68	1.05
41040_1041	41040	1041	-38.761	-96.913	-2.69	-2.585	43.022	-10642.9	1.07
41041_1041	41041	1041	37.894	97.255	2.681	4.703	-42.997	10653.53	1.07
41041_1042	41041	1042	-37.894	-89.966	-2.681	-4.703	-0.733	-9126.87	1
41042_1042	41042	1042	37.866	92.224	0.019	-0.472	0.733	9127.133	1
41042_1043	41042	1043	-37.866	-86.87	-0.019	0.472	-0.962	-8054.27	1
41043_1043	41043	1043	37.866	86.87	-0.013	6.228	0.962	8054.271	1
41043_1044	41043	1044	-37.866	-81.514	0.013	-6.228	-0.814	-7045.64	1
41044_1044	41044	1044	37.866	81.734	-0.131	-1.19	0.814	7045.854	1
41044_1045	41044	1045	-37.866	-76.38	0.131	1.19	0.754	-6098.87	1
41045_1045	41045	1045	37.866	76.38	-0.162	3.885	-0.754	6098.869	1
41045_1046	41045	1046	-37.866	-71.026	0.162	-3.885	2.698	-5216.08	1
41046_1046	41046	1046	37.871	74.501	0.156	-1.95	-2.698	5216.262	1
41046_1047	41046	1047	-37.871	-69.143	-0.156	1.95	0.83	-4355.4	1
41047_1047	41047	1047	37.871	69.143	0.127	1.394	-0.83	4355.398	1
41047_1048	41047	1048	-37.871	-63.79	-0.127	-1.394	-0.687	-3559.44	1
41048_1048	41048	1048	37.867	66.566	-0.213	-3.944	0.687	3559.54	1
41048_1049	41048	1049	-37.867	-61.21	0.213	3.944	1.864	-2793.87	1
41049_1049	41049	1049	37.867	61.21	-0.273	0.532	-1.864	2793.871	1
41049_1050	41049	1050	-37.867	-55.857	0.273	-0.532	5.14	-2093.04	1
41050_1050	41050	1050	37.853	58.555	-1.319	-3.6	-5.14	2093.129	1
41050_1051	41050	1051	-37.853	-51.272	1.319	3.6	26.63	-1198.4	1.15
41051_1051	41051	1051	37.412	51.593	-1.374	-1.76	-26.645	1195.054	1.15
41051_1052	41051	1052	-37.453	-47.91	1.374	1.76	37.967	-785.027	1.06
41052_1052	41052	1052	36.681	48.027	0.601	-5.319	-38.095	785.034	1.06
41052_1053	41052	1053	-36.854	-42.775	-0.601	5.319	31.031	-251.432	1.03
41053_1053	41053	1053	38.47	44.739	-1.148	-1.025	-33.576	30.799	1.03
41053_1054	41053	1054	-38.832	-38.816	1.148	1.025	48.81	523.546	1.02
41054_1054	41054	1054	37.826	40.217	2.865	-1.286	-48.933	-523.538	1.02
41054_1055	41054	1055	-38.325	-34.63	-2.865	1.286	13.018	992.63	1.01
41055_1055	41055	1055	37.413	35.617	2.83	-1.788	-13.134	-992.628	1.01

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
41055_1056	41055	1056	-38.068	-30.026	-2.83	1.788	-22.453	1405.294	1.01
41056_1056	41056	1056	117.974	47.786	-1.55	1.341	15.761	802.878	1.01
41056_1057	41056	1057	-117.974	-43.539	1.55	-1.341	-1.04	-369.07	1
41057_1057	41057	1057	117.972	43.539	-1.634	1.699	1.04	375.799	1
41057_1058	41057	1058	-117.972	-40.077	1.634	-1.699	11.615	-51.947	1
41058_1058	41058	1058	117.972	40.077	-1.634	1.699	-11.615	51.947	1
41058_1059	41058	1059	-117.972	-36.615	1.634	-1.699	24.271	245.085	1
41059_1059	41059	1059	117.99	36.373	0.762	1.787	-24.271	-245.089	1
41059_1060	41059	1060	-117.99	-32.795	-0.762	-1.787	18.167	521.976	1
41060_1060	41060	1060	117.991	29.155	0.624	1.178	-18.167	-521.977	1
41060_1061	41060	1061	-117.991	-25.581	-0.624	-1.178	13.175	740.797	1
41061_1061	41061	1061	117.992	25.581	0.468	0.196	-13.175	-740.799	1
41061_1062	41061	1062	-117.992	-22.002	-0.468	-0.196	9.427	931.248	1
41062_1062	41062	1062	117.995	22.712	0.891	2.358	-9.427	-931.264	1
41062_1063	41062	1063	-117.995	-20.029	-0.891	-2.358	4.08	1059.515	1
41063_1063	41063	1063	117.996	20.029	0.706	0.702	-4.08	-1059.52	1
41063_1064	41063	1064	-117.996	-17.351	-0.706	-0.702	-0.154	1171.483	1
41064_1064	41064	1064	117.996	17.351	0.695	0.584	0.154	-1171.48	1
41064_1065	41064	1065	-117.996	-14.668	-0.695	-0.584	-4.324	1267.553	1
41065_1065	41065	1065	117.998	14.668	0.499	-1.524	4.324	-1267.55	1
41065_1066	41065	1066	-117.998	-11.986	-0.499	1.524	-7.317	1347.519	1
41066_1066	41066	1066	117.997	12.512	0.516	1.334	7.317	-1347.55	1
41066_1067	41066	1067	-117.997	-8.934	-0.516	-1.334	-11.44	1433.373	1
41067_1067	41067	1067	117.998	8.934	0.368	-0.454	11.44	-1433.37	1
41067_1068	41067	1068	-117.998	-5.356	-0.368	0.454	-14.388	1490.558	1
41068_1068	41068	1068	117.998	5.356	0.377	-0.347	14.388	-1490.56	1
41068_1069	41068	1069	-117.998	-1.784	-0.377	0.347	-17.398	1519.094	1
41069_1069	41069	1069	118.074	1.699	4.72	-0.012	17.398	-1519.15	1
41069_1070	41069	1070	-118.074	1.765	-4.72	0.012	-53.988	1518.892	1
41070_1070	41070	1070	118.074	-1.765	4.72	-0.012	53.988	-1518.89	1
41070_1071	41070	1071	-118.074	5.23	-4.72	0.012	-90.577	1491.775	1
41071_1071	41071	1071	118.077	-5.23	4.637	-0.741	90.577	-1499.84	1
41071_1072	41071	1072	-118.077	9.475	-4.637	0.741	-134.605	1430.029	1.01
41072_1072	41072	1072	37.796	18.867	-2.562	4.572	38.813	-4034	1.01
41072_1073	41072	1073	-37.14	-13.276	2.562	-4.572	-6.6	4236.059	1.01
41073_1073	41073	1073	36.779	14.241	-2.589	1.202	6.96	-4236.06	1.01
41073_1074	41073	1074	-36.28	-8.654	2.589	-1.202	25.488	4379.526	1.01
41074_1074	41074	1074	36.076	8.47	1.339	4.257	-25.572	-4379.71	1.01
41074_1075	41074	1075	-35.714	-2.548	-1.339	-4.257	7.803	4452.783	1.03
41075_1075	41075	1075	32.871	74.255	-0.775	14.639	-14.418	8076.797	1.03
41075_1076	41075	1076	-32.698	-69.001	0.775	-14.639	23.529	-7234.6	1.03
41076_1076	41076	1076	31.606	65.786	2.181	-1.644	-23.144	7235.121	1.03
41076_1077	41076	1077	-31.564	-62.098	-2.181	1.644	5.151	-6707.59	1
41077_1077	41077	1077	31.034	62.368	2.141	7.71	-5.166	6696.656	1
41077_1078	41077	1078	-31.034	-55.739	-2.141	-7.71	-26.584	-5821.1	1
41078_1078	41078	1078	31.005	58.179	-0.593	0.518	26.584	5821.23	1
41078_1079	41078	1079	-31.005	-53.15	0.593	-0.518	-19.91	-5194.89	1
41079_1079	41079	1079	31.005	53.15	-0.622	5.339	19.91	5194.885	1
41079_1080	41079	1080	-31.005	-48.116	0.622	-5.339	-12.908	-4624.68	1
41080_1080	41080	1080	31.011	51.825	-0.05	-0.083	12.908	4624.824	1
41080_1081	41080	1081	-31.011	-46.792	0.05	0.083	-12.34	-4069.57	1
41081_1081	41081	1081	31.011	46.792	-0.078	3.528	12.34	4069.572	1
41081_1082	41081	1082	-31.011	-41.759	0.078	-3.528	-11.461	-3571.02	1
41082_1082	41082	1082	31.011	45.276	-0.154	-2.33	11.461	3571.142	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
41082_1083	41082	1083	-31.011	-39.867	0.154	2.33	-9.596	-3056.02	1
41083_1083	41083	1083	31.011	39.867	-0.205	2.717	9.596	3056.015	1
41083_1084	41083	1084	-31.011	-34.458	0.205	-2.717	-7.113	-2606.37	1
41084_1084	41084	1084	31.014	37.923	0.081	-3.342	7.113	2606.454	1
41084_1085	41084	1085	-31.014	-32.89	-0.081	3.342	-8.032	-2207.83	1
41085_1085	41085	1085	31.014	32.89	0.027	0.577	8.032	2207.829	1
41085_1086	41085	1086	-31.014	-27.858	-0.027	-0.577	-8.331	-1865.88	1
41086_1086	41086	1086	31.009	30.72	-0.451	-4.003	8.331	1865.931	1
41086_1087	41086	1087	-31.009	-25.687	0.451	4.003	-3.245	-1548.42	1
41087_1087	41087	1087	31.009	25.687	-0.507	-1.254	3.245	1548.424	1
41087_1088	41087	1088	-31.009	-20.655	0.507	1.254	2.46	-1287.58	1
41088_1088	41088	1088	31	23.608	-1.119	-3.853	-2.46	1287.642	1
41088_1089	41088	1089	-31	-17.235	1.119	3.853	18.423	-996.472	1.08
41089_1089	41089	1089	30.85	17.504	-1.112	-3.724	-18.456	1002.664	1.08
41089_1090	41089	1090	-30.891	-13.815	1.112	3.724	27.633	-873.394	1.08
41090_1090	41090	1090	30.753	10.47	-0.082	-5.915	-27.759	873.404	1.08
41090_1091	41090	1091	-30.925	-5.219	0.082	5.915	28.725	-781.228	1.02
41091_1091	41091	1091	34.202	6.721	-1.678	-2.039	-30.141	639.824	1.02
41091_1092	41091	1092	-34.562	-0.799	1.678	2.039	52.396	-589.952	1.02
41092_1092	41092	1092	34.488	2.422	2.619	-3.138	-52.615	589.971	1.02
41092_1093	41092	1093	-34.986	3.168	-2.619	3.138	19.762	-594.651	1.02
41093_1093	41093	1093	35.062	-2.249	2.565	-1.687	-19.743	594.658	1.02
41093_1094	41093	1094	-35.716	7.834	-2.565	1.687	-12.472	-657.983	1
41094_1094	41094	1094	0.917	37.343	-3.261	-0.042	58.017	1109.782	1
41094_1095	41094	1095	-0.917	-33.095	3.261	0.042	-27.028	-775.073	1
41095_1095	41095	1095	0.916	33.095	-3.261	0.332	27.028	775.119	1
41095_1096	41095	1096	-0.916	-29.629	3.261	-0.332	-1.743	-531.97	1
41096_1096	41096	1096	0.908	29.629	-3.264	1.687	1.743	531.967	1
41096_1097	41096	1097	-0.908	-26.169	3.264	-1.687	23.524	-315.962	1
41097_1097	41097	1097	0.94	26.157	0.301	0.233	-23.524	315.973	1
41097_1098	41097	1098	-0.94	-22.58	-0.301	-0.233	21.116	-120.96	1
41098_1098	41098	1098	0.94	22.58	0.3	0.383	-21.116	120.958	1
41098_1099	41098	1099	-0.94	-19.004	-0.3	-0.383	18.719	45.425	1
41099_1099	41099	1099	0.94	19.004	0.3	0.383	-18.719	-45.425	1
41099_1100	41099	1100	-0.94	-15.426	-0.3	-0.383	16.323	183.185	1
41100_1100	41100	1100	0.941	16.248	0.267	-1.806	-16.323	-183.165	1
41100_1101	41100	1101	-0.941	-13.566	-0.267	1.806	14.72	272.629	1
41101_1101	41101	1101	0.94	13.566	0.267	-1.796	-14.72	-272.628	1
41101_1102	41101	1102	-0.94	-10.887	-0.267	1.796	13.119	345.883	1
41102_1102	41102	1102	0.937	10.887	0.278	2.224	-13.119	-345.88	1
41102_1103	41102	1103	-0.937	-8.204	-0.278	-2.224	11.45	403.187	1
41103_1103	41103	1103	0.938	8.204	0.276	1.552	-11.45	-403.191	1
41103_1104	41103	1104	-0.938	-5.521	-0.276	-1.552	9.79	444.385	1
41104_1104	41104	1104	0.938	6.255	0.123	0.178	-9.79	-444.384	1
41104_1105	41104	1105	-0.938	-2.682	-0.123	-0.178	8.799	480.104	1
41105_1105	41105	1105	0.938	2.682	0.122	-0.441	-8.799	-480.103	1
41105_1106	41105	1106	-0.938	0.896	-0.122	0.441	7.818	487.249	1
41106_1106	41106	1106	0.938	-0.896	0.122	-0.441	-7.818	-487.249	1
41106_1107	41106	1107	-0.938	4.473	-0.122	0.441	6.836	465.762	1
41107_1107	41107	1107	0.954	-4.51	3.784	-0.463	-6.836	-465.764	1
41107_1108	41107	1108	-0.954	7.972	-3.784	0.463	-22.467	417.437	1
41108_1108	41108	1108	0.954	-7.972	3.785	-0.479	22.467	-417.437	1
41108_1109	41108	1109	-0.954	11.438	-3.785	0.479	-51.807	342.195	1
41109_1109	41109	1109	0.958	-11.438	3.783	-0.612	51.807	-342.249	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
41109_1110	41109	1110	-0.958	15.686	-3.783	0.612	-87.761	213.366	1.01
41110_1110	41110	1110	41.711	34.607	-2.494	3.308	26.66	-858.817	1.01
41110_1111	41110	1111	-41.057	-29.021	2.494	-3.308	4.653	1258.392	1.01
41111_1111	41111	1111	40.003	26.459	-2.554	1.396	-4.411	-1258.4	1.01
41111_1112	41111	1112	-39.505	-20.871	2.554	-1.396	36.445	1555.151	1.01
41112_1112	41112	1112	38.983	21.514	1.346	2.351	-36.4	-1555.18	1.01
41112_1113	41112	1113	-38.622	-15.589	-1.346	-2.351	18.531	1801.366	1.03
41113_1113	41113	1113	29.02	90.244	0.395	15.171	-28.341	10829.19	1.03
41113_1114	41113	1114	-28.847	-84.995	-0.395	-15.171	23.708	-9799.95	1.03
41114_1114	41114	1114	27.447	86.203	1.276	-9.521	-23.233	9800.258	1.03
41114_1115	41114	1115	-27.404	-82.514	-1.276	9.521	12.701	-9104.11	1.11
41115_1115	41115	1115	26.686	82.751	1.218	10.52	-12.784	9102.844	1.11
41115_1116	41115	1116	-26.686	-76.147	-1.218	-10.52	-5.212	-7929.16	1
41116_1116	41116	1116	26.686	78.589	-0.1	0.192	5.212	7929.156	1
41116_1117	41116	1117	-26.686	-73.559	0.1	-0.192	-4.092	-7073.17	1
41117_1117	41117	1117	26.685	73.559	-0.123	6.478	4.092	7073.171	1
41117_1118	41117	1118	-26.685	-68.53	0.123	-6.478	-2.705	-6273.79	1
41118_1118	41118	1118	26.685	72.489	-0.078	-2.528	2.705	6273.794	1
41118_1119	41118	1119	-26.685	-67.455	0.078	2.528	-1.821	-5485.8	1
41119_1119	41119	1119	26.685	67.455	-0.126	7.139	1.821	5485.794	1
41119_1120	41119	1120	-26.685	-62.426	0.126	-7.139	-0.407	-4755.13	1
41120_1120	41120	1120	26.685	66.431	0.125	-0.693	0.407	4755.139	1
41120_1121	41120	1121	-26.685	-61.021	-0.125	0.693	-1.915	-3983.98	1
41121_1121	41121	1121	26.686	61.021	0.103	2.556	1.915	3983.979	1
41121_1122	41121	1122	-26.686	-55.616	-0.103	-2.556	-3.157	-3278.84	1
41122_1122	41122	1122	26.686	59.732	0.053	-1.815	3.157	3278.841	1
41122_1123	41122	1123	-26.686	-54.698	-0.053	1.815	-3.75	-2634.56	1
41123_1123	41123	1123	26.686	54.698	0.03	0.5	3.75	2634.555	1
41123_1124	41123	1124	-26.686	-49.67	-0.03	-0.5	-4.079	-2047.45	1
41124_1124	41124	1124	26.685	49.581	-0.038	-3.395	4.079	2047.454	1
41124_1125	41124	1125	-26.685	-44.547	0.038	3.395	-3.644	-1517.49	1
41125_1125	41125	1125	26.686	44.547	-0.086	-0.712	3.644	1517.493	1
41125_1126	41125	1126	-26.686	-39.518	0.086	0.712	-2.679	-1044.61	1
41126_1126	41126	1126	26.684	42.954	-1.829	-3.735	2.679	1044.614	1
41126_1127	41126	1127	-26.684	-36.718	1.829	3.735	22.831	-488.884	1
41127_1127	41127	1127	26.366	36.945	-1.858	-2.51	-22.854	495.898	1
41127_1128	41127	1128	-26.408	-33.258	1.858	2.51	38.185	-206.297	1
41128_1128	41128	1128	25.84	34.132	0.491	-6.344	-38.332	206.28	1
41128_1129	41128	1129	-26.013	-28.88	-0.491	6.344	32.558	164.033	1.07
41129_1129	41129	1129	31.926	30.565	-2.045	-1.668	-31.159	-403.461	1.07
41129_1130	41129	1130	-32.287	-24.642	2.045	1.668	58.297	769.677	1.04
41130_1130	41130	1130	32.853	9.53	4.698	-2.526	-58.497	-769.677	1.04
41130_1131	41130	1131	-33.351	-3.943	-4.698	2.526	-0.394	854.123	1.03
41131_1131	41131	1131	33.24	4.814	4.671	-3.217	0.259	-854.122	1.03
41131_1132	41131	1132	-33.895	0.778	-4.671	3.217	-58.995	879.502	1.03
41132_1132	41132	1132	76.807	38.796	-6.532	2.123	126.049	857.589	1.03
41132_1133	41132	1133	-76.807	-34.551	6.532	-2.123	-64	-509.191	1
41133_1133	41133	1133	76.815	34.551	-6.433	2.836	64	525.549	1
41133_1134	41133	1134	-76.815	-31.086	6.433	-2.836	-14.15	-271.209	1
41134_1134	41134	1134	76.906	31.086	-5.242	-1.364	14.15	271.221	1
41134_1135	41134	1135	-76.906	-27.621	5.242	1.364	26.483	-43.697	1
41135_1135	41135	1135	76.823	26.615	-0.005	0.449	-26.483	43.732	1
41135_1136	41135	1136	-76.823	-23.038	0.005	-0.449	26.522	154.919	1
41136_1136	41136	1136	76.822	23.038	0.091	0.643	-26.522	-154.919	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
41136_1137	41136	1137	-76.822	-19.461	-0.091	-0.643	25.793	324.955	1
41137_1137	41137	1137	76.823	19.461	-0.005	0.236	-25.793	-324.955	1
41137_1138	41137	1138	-76.823	-15.885	0.005	-0.236	25.833	466.366	1
41138_1138	41138	1138	76.808	16.791	0.807	0.468	-25.833	-466.377	1
41138_1139	41138	1139	-76.808	-14.113	-0.807	-0.468	21	558.96	1
41139_1139	41139	1139	76.809	14.113	0.676	-0.483	-21	-558.96	1
41139_1140	41139	1140	-76.809	-11.43	-0.676	0.483	16.944	635.608	1
41140_1140	41140	1140	76.809	11.43	0.676	-0.483	-16.944	-635.608	1
41140_1141	41140	1141	-76.809	-8.749	-0.676	0.483	12.888	696.159	1
41141_1141	41141	1141	76.808	8.749	0.803	0.676	-12.888	-696.159	1
41141_1142	41141	1142	-76.808	-6.066	-0.803	-0.676	8.063	740.611	1
41142_1142	41142	1142	76.821	3.351	0.035	-0.804	-8.063	-740.616	1
41142_1143	41142	1143	-76.821	0.226	-0.035	0.804	7.784	753.124	1
41143_1143	41143	1143	76.821	-0.226	0.035	-0.804	-7.784	-753.124	1
41143_1144	41143	1144	-76.821	3.801	-0.035	0.804	7.505	737.012	1
41144_1144	41144	1144	76.821	-3.801	0.131	0.117	-7.505	-737.013	1
41144_1145	41144	1145	-76.821	7.379	-0.131	-0.117	6.457	692.281	1
41145_1145	41145	1145	76.744	-7.222	3.833	-1.161	-6.457	-692.299	1
41145_1146	41145	1146	-76.744	10.683	-3.833	1.161	-23.215	622.995	1
41146_1146	41146	1146	76.744	-10.683	3.831	-1.178	23.215	-622.995	1
41146_1147	41146	1147	-76.744	14.148	-3.831	1.178	-52.909	526.759	1
41147_1147	41147	1147	76.746	-14.148	3.782	-0.765	52.909	-542.03	1
41147_1148	41147	1148	-76.746	18.394	-3.782	0.765	-88.838	387.425	1
41148_1148	41148	1148	31.569	17.514	-2.037	2.89	15.385	-2398.5	1
41148_1149	41148	1149	-30.915	-11.925	2.037	-2.89	10.213	2583.493	1
41149_1149	41149	1149	30.59	12.73	-2.06	1.137	-9.982	-2583.5	1
41149_1150	41149	1150	-30.092	-7.146	2.06	-1.137	35.791	2707.999	1
41150_1150	41150	1150	29.828	7.593	1.023	2.131	-35.756	-2708.05	1
41150_1151	41150	1151	-29.467	-1.668	-1.023	-2.131	22.169	2769.496	1
41151_1151	41151	1151	19.938	86.103	1.196	7.386	-23.565	9008.928	1
41151_1152	41151	1152	-19.766	-80.848	-1.196	-7.386	9.498	-8027.58	1
41152_1152	41152	1152	18.459	80.14	0.396	1.786	-9.329	8027.5	1
41152_1153	41152	1153	-18.417	-76.451	-0.396	-1.786	6.063	-7381.4	1
41153_1153	41153	1153	17.764	76.606	0.392	3.478	-6.047	7383.189	1
41153_1154	41153	1154	-17.764	-70.462	-0.392	-3.478	0.664	-6372.62	1
41154_1154	41154	1154	17.768	71.875	0.177	-0.483	-0.664	6372.609	1
41154_1155	41154	1155	-17.768	-66.957	-0.177	0.483	-1.283	-5608.87	1
41155_1155	41155	1155	17.769	66.957	0.161	4.613	1.283	5608.866	1
41155_1156	41155	1156	-17.769	-62.039	-0.161	-4.613	-3.054	-4899.25	1
41156_1156	41156	1156	17.769	64.714	0.118	-1.17	3.054	4899.23	1
41156_1157	41156	1157	-17.769	-60.235	-0.118	1.17	-4.234	-4273.1	1
41157_1157	41157	1157	17.77	60.235	0.1	3.007	4.234	4273.096	1
41157_1158	41157	1158	-17.77	-55.76	-0.1	-3.007	-5.238	-3692.43	1
41158_1158	41158	1158	17.774	58.539	-0.129	-1.811	5.238	3692.407	1
41158_1159	41158	1159	-17.774	-54.059	0.129	1.811	-3.949	-3128.17	1
41159_1159	41159	1159	17.774	54.059	-0.146	1.247	3.949	3128.169	1
41159_1160	41159	1160	-17.774	-49.584	0.146	-1.247	-2.488	-2609.34	1
41160_1160	41160	1160	17.775	52.225	-0.181	-1.548	2.488	2609.328	1
41160_1161	41160	1161	-17.775	-47.307	0.181	1.548	-0.495	-2061.78	1
41161_1161	41161	1161	17.775	43.667	-0.181	-1.548	0.495	2061.777	1
41161_1162	41161	1162	-17.775	-38.75	0.181	1.548	1.497	-1608.39	1
41162_1162	41162	1162	17.796	41.613	-1.173	-2.606	-1.497	1608.347	1
41162_1163	41162	1163	-17.796	-35.47	1.173	2.606	17.607	-1078.68	1
41163_1163	41163	1163	17.494	35.62	-1.169	-2.786	-17.631	1077.412	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
41163_1164	41163	1164	-17.537	-31.931	1.169	2.786	27.271	-798.699	1
41164_1164	41164	1164	17.003	32.485	-0.637	-4.887	-27.375	798.644	1
41164_1165	41164	1165	-17.175	-27.231	0.637	4.887	34.862	-447.629	1
41165_1165	41165	1165	21.46	29.427	-2.034	-1.348	-27.678	107.873	1
41165_1166	41165	1166	-21.82	-23.503	2.034	1.348	54.661	243.305	1
41166_1166	41166	1166	21.071	24.66	3.05	-2.467	-54.865	-243.36	1
41166_1167	41166	1167	-21.569	-19.075	-3.05	2.467	16.651	517.312	1
41167_1167	41167	1167	21.066	19.633	3.032	-2.45	-16.753	-517.309	1
41167_1168	41167	1168	-21.72	-14.045	-3.032	2.45	-21.343	728.923	1
41168_1168	41168	1168	95.095	39.301	-4.703	0.461	99.123	1088.983	1
41168_1169	41168	1169	-95.095	-35.053	4.703	-0.461	-54.433	-735.72	1
41169_1169	41169	1169	95.093	35.053	-4.742	1.748	54.433	755.523	1
41169_1170	41169	1170	-95.093	-31.589	4.742	-1.748	-17.675	-497.229	1
41170_1170	41170	1170	95.093	31.589	-4.742	1.748	17.675	497.229	1
41170_1171	41170	1171	-95.093	-28.124	4.742	-1.748	19.083	-265.795	1
41171_1171	41171	1171	94.988	27.705	0.324	0.717	-19.083	265.769	1
41171_1172	41171	1172	-94.988	-24.128	-0.324	-0.717	16.489	-58.392	1
41172_1172	41172	1172	94.987	24.128	0.445	0.642	-16.489	58.394	1
41172_1173	41172	1173	-94.987	-20.557	-0.445	-0.642	12.928	120.163	1
41173_1173	41173	1173	94.988	20.557	0.324	0.489	-12.928	-120.164	1
41173_1174	41173	1174	-94.988	-16.98	-0.324	-0.489	10.335	270.337	1
41174_1174	41174	1174	94.995	17.9	-0.064	0.035	-10.335	-270.346	1
41174_1175	41174	1175	-94.995	-15.218	0.064	-0.035	10.715	369.721	1
41175_1175	41175	1175	94.995	15.218	0.095	0.651	-10.715	-369.72	1
41175_1176	41175	1176	-94.995	-12.535	-0.095	-0.651	10.145	452.999	1
41176_1176	41176	1176	94.995	12.535	-0.064	-0.104	-10.145	-452.999	1
41176_1177	41176	1177	-94.995	-9.853	0.064	0.104	10.527	520.176	1
41177_1177	41177	1177	94.995	9.853	-0.064	-0.104	-10.527	-520.176	1
41177_1178	41177	1178	-94.995	-7.171	0.064	0.104	10.907	571.254	1
41178_1178	41178	1178	94.993	8.059	0.121	0.12	-10.907	-571.265	1
41178_1179	41178	1179	-94.993	-4.486	-0.121	-0.12	9.94	621.393	1
41179_1179	41179	1179	94.993	4.486	0	-0.673	-9.94	-621.393	1
41179_1180	41179	1180	-94.993	-0.909	0	0.673	9.942	642.981	1
41180_1180	41180	1180	94.993	0.909	0	-0.673	-9.942	-642.981	1
41180_1181	41180	1181	-94.993	2.667	0	0.673	9.944	635.95	1
41181_1181	41181	1181	94.898	-2.829	4.952	-1.788	-9.944	-635.98	1
41181_1182	41181	1182	-94.898	6.293	-4.952	1.788	-28.447	600.624	1
41182_1182	41182	1182	94.898	-9.933	4.952	-1.788	28.447	-600.624	1
41182_1183	41182	1183	-94.898	13.399	-4.952	1.788	-66.839	510.192	1
41183_1183	41183	1183	94.895	-13.399	4.991	-0.656	66.839	-527.769	1
41183_1184	41183	1184	-94.895	17.646	-4.991	0.656	-114.267	380.274	1.02
41184_1184	41184	1184	31.82	14.229	-2.775	1.255	29.029	-2443.08	1.02
41184_1185	41184	1185	-31.166	-8.645	2.775	-1.255	5.811	2586.688	1.03
41185_1185	41185	1185	30.93	9.461	-2.751	3.429	-5.927	-2586.69	1.03
41185_1186	41185	1186	-30.431	-3.872	2.751	-3.429	40.419	2670.269	1.04
41186_1186	41186	1186	30.225	4.26	1.4	1.755	-40.187	-2670.3	1.04
41186_1187	41186	1187	-29.864	1.664	-1.4	-1.755	21.618	2687.521	1.08
41187_1187	41187	1187	28.033	82.257	0.857	3.287	-34.934	8834.611	1.08
41187_1188	41187	1188	-27.861	-77.003	-0.857	-3.287	24.857	-7898.48	1.08
41188_1188	41188	1188	26.608	75.588	0.944	4.519	-24.808	7898.529	1.08
41188_1189	41188	1189	-26.565	-71.904	-0.944	-4.519	17.028	-7290.71	1
41189_1189	41189	1189	25.958	72.126	0.956	1.153	-16.99	7294.996	1
41189_1190	41189	1190	-25.958	-65.978	-0.956	-1.153	3.844	-6345.32	1
41190_1190	41190	1190	25.971	67.995	0.303	4.305	-3.844	6345.246	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
41190_1191	41190	1191	-25.971	-63.076	-0.303	-4.305	0.505	-5624.21	1
41191_1191	41191	1191	25.97	63.076	0.327	-0.806	-0.505	5624.21	1
41191_1192	41191	1192	-25.97	-58.158	-0.327	0.806	-3.094	-4957.27	1
41192_1192	41192	1192	25.978	60.607	-0.059	-1.928	3.094	4957.235	1
41192_1193	41192	1193	-25.978	-56.087	0.059	1.928	-2.492	-4367.23	1
41193_1193	41193	1193	25.978	56.087	-0.086	2.39	2.492	4367.227	1
41193_1194	41193	1194	-25.978	-51.566	0.086	-2.39	-1.631	-3822.94	1
41194_1194	41194	1194	25.995	53.876	-0.784	-1.37	1.631	3822.938	1
41194_1195	41194	1195	-25.995	-49.356	0.784	1.37	6.292	-3300.98	1
41195_1195	41195	1195	25.995	49.356	-0.784	-1.37	-6.292	3300.983	1
41195_1196	41195	1196	-25.995	-44.837	0.784	1.37	14.214	-2824.74	1
41196_1196	41196	1196	25.973	46.949	0.006	-1.621	-14.214	2824.672	1
41196_1197	41196	1197	-25.973	-42.03	-0.006	1.621	14.145	-2335.19	1
41197_1197	41197	1197	25.973	42.03	0.03	-3.788	-14.145	2335.186	1
41197_1198	41197	1198	-25.973	-37.117	-0.03	3.788	13.812	-1900.18	1
41198_1198	41198	1198	26.02	35.617	-1.736	-3.9	-13.812	1900.146	1
41198_1199	41198	1199	-26.02	-29.47	1.736	3.9	37.681	-1452.58	1.03
41199_1199	41199	1199	25.773	29.687	-1.729	-4.348	-37.72	1446.383	1.03
41199_1200	41199	1200	-25.815	-25.998	1.729	4.348	51.99	-1216.62	1.03
41200_1200	41200	1200	25.35	25.623	0.758	-7.526	-52.15	1216.511	1.03
41200_1201	41200	1201	-25.526	-20.369	-0.758	7.526	43.23	-946.17	1.03
41201_1201	41201	1201	26.281	22.863	-1.964	-0.866	-41.124	648.6	1.03
41201_1202	41201	1202	-26.647	-16.944	1.964	0.866	67.159	-384.697	1.02
41202_1202	41202	1202	26.063	18.023	2.753	-2.793	-67.426	384.602	1.02
41202_1203	41202	1203	-26.567	-12.433	-2.753	2.793	32.919	-193.683	1.01
41203_1203	41203	1203	26.237	13.116	2.753	-1.942	-32.981	193.683	1.01
41203_1204	41203	1204	-26.898	-7.527	-2.753	1.942	-1.604	-63.992	1.01
41204_1204	41204	1204	50.342	41.706	-2.704	2.064	31.457	1448.475	1.01
41204_1205	41204	1205	-50.342	-37.458	2.704	-2.064	-5.763	-1072.37	1
41205_1205	41205	1205	50.343	37.458	-2.671	2.067	5.763	1086.003	1
41205_1206	41205	1206	-50.343	-33.998	2.671	-2.067	14.91	-809.41	1
41206_1206	41206	1206	50.343	33.998	-2.672	2.089	-14.91	809.41	1
41206_1207	41206	1207	-50.343	-30.532	2.672	-2.089	35.62	-559.302	1
41207_1207	41207	1207	50.26	30.064	0.456	1.17	-35.62	559.287	1
41207_1208	41207	1208	-50.26	-26.486	-0.456	-1.17	31.966	-333.036	1
41208_1208	41208	1208	50.26	26.486	0.393	1.587	-31.966	333.036	1
41208_1209	41208	1209	-50.26	-22.909	-0.393	-1.587	28.816	-135.411	1
41209_1209	41209	1209	50.26	22.909	0.393	1.587	-28.816	135.411	1
41209_1210	41209	1210	-50.26	-19.334	-0.393	-1.587	25.664	33.595	1
41210_1210	41210	1210	50.254	20.083	0.678	0.912	-25.664	-33.613	1
41210_1211	41210	1211	-50.254	-17.4	-0.678	-0.912	21.592	146.087	1
41211_1211	41211	1211	50.255	17.4	0.595	0.668	-21.592	-146.09	1
41211_1212	41211	1212	-50.255	-14.718	-0.595	-0.668	18.022	242.461	1
41212_1212	41212	1212	50.255	14.718	0.597	0.676	-18.022	-242.461	1
41212_1213	41212	1213	-50.255	-12.04	-0.597	-0.676	14.448	322.615	1
41213_1213	41213	1213	50.254	12.04	0.678	1.203	-14.448	-322.614	1
41213_1214	41213	1214	-50.254	-9.357	-0.678	-1.203	10.376	386.817	1
41214_1214	41214	1214	50.253	9.87	0.669	0.112	-10.376	-386.83	1
41214_1215	41214	1215	-50.253	-6.293	-0.669	-0.112	5.018	451.492	1
41215_1215	41215	1215	50.253	6.293	0.733	0.677	-5.018	-451.492	1
41215_1216	41215	1216	-50.253	-2.716	-0.733	-0.677	-0.843	487.534	1
41216_1216	41216	1216	50.253	2.716	0.669	0.068	0.843	-487.535	1
41216_1217	41216	1217	-50.253	0.86	-0.669	-0.068	-6.201	494.957	1
41217_1217	41217	1217	50.153	-0.813	4.442	-1.165	6.201	-494.998	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
41217_1218	41217	1218	-50.153	4.278	-4.442	1.165	-40.637	475.268	1
41218_1218	41218	1218	50.153	-4.278	4.444	-1.152	40.637	-475.268	1
41218_1219	41218	1219	-50.153	7.739	-4.444	1.152	-75.04	428.755	1
41219_1219	41219	1219	50.155	-7.739	4.41	-0.375	75.04	-440.873	1
41219_1220	41219	1220	-50.155	11.986	-4.41	0.375	-116.945	347.165	1
41220_1220	41220	1220	36.264	25.384	-2.067	8.885	19.767	-2052.56	1
41220_1221	41220	1221	-35.604	-19.795	2.067	-8.885	6.214	2336.379	1
41221_1221	41221	1221	35.073	20.706	-2.229	-2.139	-5.155	-2336.4	1
41221_1222	41221	1222	-34.568	-15.118	2.229	2.139	33.089	2560.931	1.01
41222_1222	41222	1222	34.055	15.083	2.761	0.595	-33.226	-2560.77	1.01
41222_1223	41222	1223	-33.689	-9.16	-2.761	-0.595	-3.398	2721.587	1.01
41223_1223	41223	1223	34.342	95.145	-0.462	35.2	23.429	9686.183	1.01
41223_1224	41223	1224	-34.167	-89.893	0.462	-35.2	-18	-8598.75	1.03
41224_1224	41224	1224	32.745	92.238	0.48	-13.499	18.957	8597.916	1.03
41224_1225	41224	1225	-32.702	-88.55	-0.48	13.499	-22.92	-7852.14	1
41225_1225	41225	1225	31.966	88.819	0.364	14.917	22.806	7852.07	1
41225_1226	41225	1226	-31.966	-81.484	-0.364	-14.917	-28.779	-6454.74	1
41226_1226	41226	1226	31.983	85.32	-0.517	-10.352	28.779	6453.667	1
41226_1227	41226	1227	-31.983	-79.804	0.517	10.352	-22.403	-5434.84	1
41227_1227	41227	1227	31.98	79.804	-0.672	16.114	22.403	5434.826	1
41227_1228	41227	1228	-31.98	-74.292	0.672	-16.114	-14.112	-4484.78	1
41228_1228	41228	1228	31.998	77.716	-1.408	-4.905	14.112	4483.558	1
41228_1229	41228	1229	-31.998	-70.039	1.408	4.905	3.261	-3571.84	1
41229_1229	41229	1229	31.993	70.039	-1.512	6.717	-3.261	3571.831	1
41229_1230	41229	1230	-31.993	-62.369	1.512	-6.717	21.904	-2755.43	1
41230_1230	41230	1230	31.843	65.349	1.583	-4.692	-21.904	2754.277	1
41230_1231	41230	1231	-31.843	-57.678	-1.583	4.692	2.373	-1995.64	1
41231_1231	41231	1231	31.848	57.678	1.48	1.818	-2.373	1995.642	1
41231_1232	41231	1232	-31.848	-50.014	-1.48	-1.818	-15.864	-1332.06	1
41232_1232	41232	1232	31.835	48.25	1.799	-5.486	15.864	1331.578	1
41232_1233	41232	1233	-31.835	-42.103	-1.799	5.486	-33.653	-885.068	1
41233_1233	41233	1233	31.841	42.103	1.698	-2.669	33.653	885.081	1
41233_1234	41233	1234	-31.841	-34.965	-1.698	2.669	-53.141	-442.893	1.03
41234_1234	41234	1234	31.709	35.091	1.555	-0.847	53.138	442.189	1.03
41234_1235	41234	1235	-31.719	-33.137	-1.555	0.847	-58.023	-335.008	1.03
41235_1235	41235	1235	20.362	28.268	-3.931	-3.566	46.864	778.402	1.03
41235_1236	41235	1236	-20.481	-23.824	3.931	3.566	-18.774	-592.327	1.03
41236_1236	41236	1236	20.52	23.783	-3.974	-2.31	18.804	592.332	1.03
41236_1237	41236	1237	-20.666	-17.74	3.974	2.31	19.818	-390.629	1.03
41237_1237	41237	1237	20.257	18.192	-4.032	-2.413	-19.887	382.204	1.03
41237_1238	41237	1238	-20.401	-15.223	4.032	2.413	39.151	-302.433	1.01
41238_1238	41238	1238	20.166	15.661	-4.041	-2.579	-39.22	302.351	1.01
41238_1239	41238	1239	-20.598	-8.993	4.041	2.579	82.607	-170.188	1.01
41239_1239	41239	1239	20.395	9.418	-4.102	-0.368	-82.606	170.207	1.01
41239_1240	41239	1240	-20.991	-2.623	4.102	0.368	127.536	-104.535	1.01
41240_1240	41240	1240	19.614	6.542	7.491	-6.854	-128.446	103.768	1.01
41240_1241	41240	1241	-20.443	0.822	-7.491	6.854	39.359	-70.176	1
41241_1241	41241	1241	-11.342	51.473	3.551	6.248	-50.319	1323.47	1
41241_1242	41241	1242	11.342	-45.563	-3.551	-6.248	16.576	-862.396	1
41242_1242	41242	1242	-11.338	45.563	3.563	7.009	-16.576	861.772	1
41242_1243	41242	1243	11.338	-43.594	-3.563	-7.009	5.301	-720.701	1
41243_1243	41243	1243	-11.103	44.537	0.509	0.869	-5.301	720.144	1
41243_1244	41243	1244	11.103	-38.805	-0.509	-0.869	0.611	-336.184	1
41244_1244	41244	1244	-11.101	38.805	0.545	1.966	-0.611	336.179	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
41244_1245	41244	1245	11.101	-32.331	-0.545	-1.966	-5.065	34.013	1
41245_1245	41245	1245	-11.077	32.54	0.256	1.895	5.065	-34.016	1
41245_1246	41245	1246	11.077	-26.477	-0.256	-1.895	-7.56	321.678	1
41246_1246	41246	1246	-11.077	26.477	0.291	0.856	7.56	-321.682	1
41246_1247	41246	1247	11.077	-20.331	-0.291	-0.856	-10.444	552.927	1
41247_1247	41247	1247	-11.075	20.782	0.322	1.587	10.444	-552.766	1
41247_1248	41247	1248	11.075	-15.133	-0.322	-1.587	-13.373	715.844	1
41248_1248	41248	1248	-11.075	15.133	0.345	0.179	13.373	-715.845	1
41248_1249	41248	1249	11.075	-8.581	-0.345	-0.179	-17.002	840.769	1
41249_1249	41249	1249	-11.1	8.714	0.869	2.037	17.002	-840.512	1
41249_1250	41249	1250	11.1	-2.284	-0.869	-2.037	-25.983	897.362	1
41250_1250	41250	1250	-11.097	2.284	0.914	-1.566	25.983	-897.362	1
41250_1251	41250	1251	11.097	3.494	-0.914	1.566	-34.467	891.746	1
41251_1251	41251	1251	-11.03	-2.087	-0.396	1.597	34.467	-891.486	1
41251_1252	41251	1252	11.03	8.389	0.396	-1.597	-30.45	838.42	1
41252_1252	41252	1252	-11.033	-12.029	-0.363	-0.952	30.45	-838.421	1
41252_1253	41252	1253	11.033	19	0.363	0.952	-26.384	664.527	1
41253_1253	41253	1253	-11.032	-19	-0.37	-0.484	26.384	-664.329	1
41253_1254	41253	1254	11.032	20.966	0.37	0.484	-25.211	601.168	1
41254_1254	41254	1254	-11.258	-17.92	5.14	-14.011	25.211	-601.601	1
41254_1255	41254	1255	11.258	21.859	-5.14	14.011	-57.767	475.623	1.01
41255_1255	41255	1255	25.018	36.978	5.469	9.724	-11.844	-2072.32	1.01
41255_1256	41255	1256	-24.434	-31.96	-5.469	-9.724	-32.477	2351.983	1.01
41256_1256	41256	1256	23.945	32.335	5.427	4.563	33.029	-2351.99	1.01
41256_1257	41256	1257	-23.497	-27.836	-5.427	-4.563	-72.415	2570.552	1.02
41257_1257	41257	1257	23.229	22.163	-13.03	7.433	72.196	-2570.18	1.02
41257_1258	41257	1258	-22.707	-15.725	13.03	-7.433	62.931	2766.874	1.03
41258_1258	41258	1258	22.325	16.212	-13.093	0.682	-62.368	-2766.9	1.03
41258_1259	41258	1259	-21.88	-8.361	13.093	-0.682	227.78	2922.299	1.05
41259_1259	41259	1259	72.741	8.887	2.304	-13.931	-16.438	10121.4	1.05
41259_1260	41259	1260	-72.534	-2.328	-2.304	13.931	-7.87	-10062.2	1.05
41260_1260	41260	1260	72.493	3.476	2.143	8.381	7.449	10062.18	1.05
41260_1261	41260	1261	-72.426	2.403	-2.143	-8.381	-27.703	-10057.1	1
41261_1261	41261	1261	72.445	-1.762	2.106	13.383	27.776	10049.9	1
41261_1262	41261	1262	-72.445	3.733	-2.106	-13.383	-34.449	-10058.6	1
41262_1262	41262	1262	72.547	-4.967	-3.008	-16.796	34.449	10057.16	1
41262_1263	41262	1263	-72.547	11.88	3.008	16.796	-1.013	-10150.8	1
41263_1263	41263	1263	72.535	-11.88	-3.262	18.749	1.013	10150.78	1
41263_1264	41263	1264	-72.535	19.303	3.262	-18.749	37.918	-10336.9	1
41264_1264	41264	1264	72.491	-14.024	-0.913	-19.849	-37.918	10335.8	1
41264_1265	41264	1265	-72.491	21.224	0.913	19.849	48.487	-10539.8	1
41265_1265	41265	1265	72.487	-21.224	-1.174	18.056	-48.487	10539.83	1
41265_1266	41265	1266	-72.487	28.365	1.174	-18.056	61.962	-10824.5	1
41266_1266	41266	1266	72.479	-22.871	-0.89	-16.517	-61.962	10823.97	1
41266_1267	41266	1267	-72.479	30.135	0.89	16.517	72.348	-11133.5	1
41267_1267	41267	1267	72.477	-30.135	-1.068	10.938	-72.348	11133.47	1
41267_1268	41267	1268	-72.477	37.207	1.068	-10.938	84.492	-11516.3	1
41268_1268	41268	1268	72.465	-32.04	-4.026	-22.985	-84.492	11516.33	1
41268_1269	41268	1269	-72.465	40.156	4.026	22.985	137.034	-11987.4	1
41269_1269	41269	1269	72.451	-40.156	-4.263	16.105	-137.034	11987.41	1
41269_1270	41269	1270	-72.451	47.279	4.263	-16.105	185.844	-12488	1
41270_1270	41270	1270	72.453	-40.401	7.62	-31.523	-185.844	12488.04	1
41270_1271	41270	1271	-72.453	46.102	-7.62	31.523	115.999	-12884.5	1
41271_1271	41271	1271	72.472	-49.742	7.436	1.422	-115.999	12884.5	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
41271_1272	41271	1272	-72.472	56.682	-7.436	-1.422	33.037	-13478.3	1.07
41272_1272	41272	1272	72.77	-56.323	7.252	36.037	-32.859	13475.33	1.07
41272_1273	41272	1273	-72.786	58.918	-7.252	-36.037	2.607	-13715.7	1.07
41273_1273	41273	1273	73.246	-54.495	0.772	-27.68	-3.198	13716.8	1.07
41273_1274	41273	1274	-73.337	59.442	-0.772	27.68	-2.945	-14169.9	1.04
41274_1274	41274	1274	74.114	-58.473	0.667	-7.083	3.16	14169.93	1.04
41274_1275	41274	1275	-74.282	63.371	-0.667	7.083	-8.413	-14649.8	1.03
41275_1275	41275	1275	75.042	-62.473	0.399	47.04	10.501	14634	1.03
41275_1276	41275	1276	-75.164	65.071	-0.399	-47.04	-12.168	-14900.6	1.03
41276_1276	41276	1276	4.994	1.261	4.61	-4.519	-126.248	1351.567	1.03
41276_1277	41276	1277	-5.461	6.044	-4.61	4.519	72.03	-1379.88	1.02
41277_1277	41277	1277	5.619	-5.913	4.591	2.501	-71.699	1379.901	1.02
41277_1278	41277	1278	-6.333	13.847	-4.591	-2.501	12.984	-1506.6	1.02
41278_1278	41278	1278	6.975	-16.939	-1.611	1.194	-13.086	1506.593	1.02
41278_1279	41278	1279	-7.655	22.899	1.611	-1.194	28.59	-1698.7	1
41279_1279	41279	1279	-105.609	54.643	-0.951	3.184	-43.075	1908.72	1
41279_1280	41279	1280	105.609	-48.732	0.951	-3.184	52.12	-1417.56	1
41280_1280	41280	1280	-105.609	48.732	-0.893	4.055	-52.12	1407.608	1
41280_1281	41280	1281	105.609	-45.361	0.893	-4.055	56.962	-1152.6	1
41281_1281	41281	1281	-105.604	51.53	2.338	0.108	-56.962	1186.618	1
41281_1282	41281	1282	105.604	-43.842	-2.338	-0.108	28.059	-597.242	1
41282_1282	41282	1282	-105.597	43.842	2.654	1.894	-28.059	597.238	1
41282_1283	41282	1283	105.597	-36.29	-2.654	-1.894	-4.172	-110.734	1
41283_1283	41283	1283	-105.594	31.09	-0.261	2.629	4.172	110.724	1
41283_1284	41283	1284	105.594	-23.374	0.261	-2.629	-0.939	227.114	1
41284_1284	41284	1284	-105.594	23.374	0.082	1.892	0.939	-227.121	1
41284_1285	41284	1285	105.594	-16.683	-0.082	-1.892	-1.824	442.57	1
41285_1285	41285	1285	-105.609	17.273	1.107	2.532	1.824	-442.529	1
41285_1286	41285	1286	105.609	-10.312	-1.107	-2.532	-14.204	596.869	1
41286_1286	41286	1286	-105.605	10.312	1.423	0.742	14.204	-596.875	1
41286_1287	41286	1287	105.605	-3.841	-1.423	-0.742	-29.006	670.497	1
41287_1287	41287	1287	-105.604	4.511	0.914	2.399	29.006	-670.522	1
41287_1288	41287	1288	105.604	3.635	-0.914	-2.399	-40.984	676.258	1
41288_1288	41288	1288	-105.6	-7.275	1.278	0.071	40.984	-676.262	1
41288_1289	41288	1289	105.6	14.255	-1.278	-0.071	-55.325	555.452	1
41289_1289	41289	1289	-105.612	-14.139	-1.194	-3.637	55.325	-555.44	1
41289_1290	41289	1290	105.612	16.63	1.194	3.637	-50.541	493.828	1
41290_1290	41290	1290	-105.613	-16.63	-1.042	-4.405	50.541	-488.082	1
41290_1291	41290	1291	105.613	22.539	1.042	4.405	-40.64	302.029	1.02
41291_1291	41291	1291	23.027	68.26	-1.088	11.853	-76.279	-1000.48	1.02
41291_1292	41291	1292	-22.521	-63.66	1.088	-11.853	84.369	1490.841	1.02
41292_1292	41292	1292	21.05	64.723	2.207	7.317	-83.557	-1490.87	1.02
41292_1293	41292	1293	-20.384	-56.864	-2.207	-7.317	55.604	2261.316	1.03
41293_1293	41293	1293	18.818	57.404	2.133	-1.445	-54.876	-2261.35	1.03
41293_1294	41293	1294	-18.437	-50.453	-2.133	1.445	31.007	2864.747	1.05
41294_1294	41294	1294	1.431	50.325	2.608	19.109	-89.354	-3852.4	1.05
41294_1295	41294	1295	-1.288	-45.94	-2.608	-19.109	70.963	4191.858	1.14
41295_1295	41295	1295	0.515	45.955	2.608	3.131	-70.422	-4191.92	1.14
41295_1296	41295	1296	-0.454	-41.504	-2.608	-3.131	51.754	4504.923	1
41296_1296	41296	1296	-0.014	41.506	2.609	-1.006	-51.713	-4504.93	1
41296_1297	41296	1297	0.017	-36.036	-2.609	1.006	28.773	4845.903	1
41297_1297	41297	1297	-0.031	35.994	1.195	18.553	-28.773	-4845.91	1
41297_1298	41297	1298	0.031	-33.474	-1.195	-18.553	23.932	4986.667	1
41298_1298	41298	1298	-0.029	33.474	1.195	18.553	-23.932	-4986.68	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
41298_1299	41298	1299	0.029	-28.208	-1.195	-10.822	13.818	5247.776	1
41299_1299	41299	1299	-0.025	28.208	1.195	-5.986	-13.818	-5247.78	1
41299_1300	41299	1300	0.025	-20.753	-1.195	5.986	-0.502	5541.196	1
41300_1300	41300	1300	-0.022	19.883	0.369	14.955	0.502	-5541.21	1
41300_1301	41300	1301	0.022	-11.695	-0.369	-14.955	-5.357	5749.042	1
41301_1301	41301	1301	-0.02	11.695	0.369	-8.085	5.357	-5749.06	1
41301_1302	41301	1302	0.02	-4.648	-0.369	8.085	-9.535	5841.631	1
41302_1302	41302	1302	-0.019	4.76	0.605	15.466	9.535	-5841.65	1
41302_1303	41302	1303	0.019	3.612	-0.605	-15.466	-17.68	5849.374	1
41303_1303	41303	1303	-0.017	-3.612	0.605	-11.972	17.68	-5849.38	1
41303_1304	41303	1304	0.017	10.48	-0.605	11.972	-24.36	5771.581	1
41304_1304	41304	1304	-0.014	-10.147	0.746	11.88	24.36	-5771.61	1
41304_1305	41304	1305	0.014	18.274	-0.746	-11.88	-34.109	5585.939	1
41305_1305	41305	1305	-0.011	-18.274	0.746	-10.336	34.109	-5585.94	1
41305_1306	41305	1306	0.011	25.384	-0.746	10.336	-42.636	5336.421	1
41306_1306	41306	1306	-0.007	-28.361	1.867	8.813	42.636	-5336.42	1
41306_1307	41306	1307	0.007	35.739	-1.867	-8.813	-64.794	4956.222	1
41307_1307	41307	1307	0	-35.739	1.868	-8.497	64.794	-4956.22	1
41307_1308	41307	1308	0	43.599	-1.868	8.497	-88.397	4454.954	1
41308_1308	41308	1308	0.007	-43.086	1.907	5.724	88.397	-4454.96	1
41308_1309	41308	1309	-0.007	50.651	-1.907	-5.724	-111.595	3884.878	1
41309_1309	41309	1309	0.014	-50.651	1.907	-9.168	111.595	-3884.87	1
41309_1310	41309	1310	-0.014	58.327	-1.907	9.168	-135.13	3212.426	1
41310_1310	41310	1310	0.014	-56.662	-1.654	0.059	135.13	-3212.41	1
41310_1311	41310	1311	-0.014	64.63	1.654	-0.059	-113.948	2435.558	1
41311_1311	41311	1311	0.008	-64.63	-1.653	-9.265	113.948	-2435.54	1
41311_1312	41311	1312	-0.008	72.58	1.653	9.265	-92.813	1558.675	1
41312_1312	41312	1312	-0.012	-80.592	-5.17	-2.401	92.813	-1558.66	1
41312_1313	41312	1313	0.012	91.758	5.17	2.401	0	11.599	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1	2	3	4	5	6	7	8	9
41000_1000	41000	1000	2.123	39.274	2.109	5.591	0	11.798
41000_1001	41000	1001	-2.123	-31.672	-2.109	-5.591	-35.864	591.434
41001_1001	41001	1001	2.119	31.672	2.113	6.754	35.864	-591.423
41001_1002	41001	1002	-2.119	-26.821	-2.113	-6.754	-58.798	908.84
41002_1002	41002	1002	1.963	25.542	-3.288	5.166	58.798	-908.752
41002_1003	41002	1003	-1.963	-20.091	3.288	-5.166	-18.706	1186.944
41003_1003	41003	1003	1.966	20.091	-3.287	6.133	18.706	-1186.94
41003_1004	41003	1004	-1.966	-14.64	3.287	-6.133	21.368	1398.695
41004_1004	41004	1004	2.066	18.824	0.734	2.954	-21.368	-1398.52
41004_1005	41004	1005	-2.066	-13.371	-0.734	-2.954	12.418	1594.868
41005_1005	41005	1005	2.065	13.371	0.735	4.254	-12.418	-1594.87
41005_1006	41005	1006	-2.065	-7.919	-0.735	-4.254	3.446	1724.717
41006_1006	41006	1006	2.054	11.208	0.137	0.994	-3.446	-1724.58
41006_1007	41006	1007	-2.054	-5.759	-0.137	-0.994	1.778	1828.007
41007_1007	41007	1007	2.054	5.759	0.139	2.483	-1.778	-1828.01
41007_1008	41007	1008	-2.054	-0.309	-0.139	-2.483	0.09	1864.995
41008_1008	41008	1008	2.052	4.08	0.012	-0.997	-0.09	-1864.9
41008_1009	41008	1009	-2.052	1.368	-0.012	0.997	-0.055	1881.426
41009_1009	41009	1009	2.052	-1.368	0.014	0.352	0.055	-1881.43
41009_1010	41009	1010	-2.052	6.82	-0.014	-0.352	-0.219	1831.49
41010_1010	41010	1010	2.052	-3.209	0.022	-3.756	0.219	-1831.45
41010_1011	41010	1011	-2.052	8.658	-0.022	3.756	-0.49	1759.114
41011_1011	41011	1011	2.052	-8.658	0.026	-0.714	0.49	-1759.12
41011_1012	41011	1012	-2.052	14.103	-0.026	0.714	-0.806	1620.469
41012_1012	41012	1012	2.051	-11.528	-0.323	-2.985	0.806	-1620.47
41012_1013	41012	1013	-2.051	16.979	0.323	2.985	3.14	1446.663
41013_1013	41013	1013	2.051	-16.979	-0.326	-4.163	-3.14	-1446.66
41013_1014	41013	1014	-2.051	22.429	0.326	4.163	7.106	1206.422
41014_1014	41014	1014	2.051	-19.64	-0.382	-5.978	-7.106	-1206.41
41014_1015	41014	1015	-2.051	27.12	0.382	5.978	13.508	815.187
41015_1015	41015	1015	2.292	-27.101	-0.385	-6.708	-13.568	-813.998
41015_1016	41015	1016	-2.334	30.788	0.385	6.708	16.747	575.21
41016_1016	41016	1016	3.082	-33.341	-1.773	-4.514	-7.006	301.951
41016_1017	41016	1017	-3.254	38.591	1.773	4.514	27.836	-724.467
41017_1017	41017	1017	4.206	-38.498	-1.776	-2.905	-27.893	724.256
41017_1018	41017	1018	-4.567	44.422	1.776	2.905	51.466	-1274.4
41018_1018	41018	1018	5.597	-43.609	3.035	-4.809	-51.769	1274.367
41018_1019	41018	1019	-6.095	49.195	-3.035	4.809	13.728	-1855.88
41019_1019	41019	1019	7.392	-49.017	3.032	-1.342	-13.531	1855.884
41019_1020	41019	1020	-8.046	54.606	-3.032	1.342	-24.574	-2507.11
41020_1020	41020	1020	-156.937	28.513	-5.329	-0.991	118.152	976.749
41020_1021	41020	1021	156.937	-24.265	5.329	0.991	-67.51	-725.982
41021_1021	41021	1021	-156.943	24.265	-5.147	1.099	67.51	688.055
41021_1022	41021	1022	156.943	-20.801	5.147	-1.099	-27.624	-513.421
41022_1022	41022	1022	-156.95	20.801	-4.945	1.758	27.624	513.42
41022_1023	41022	1023	156.95	-17.337	4.945	-1.758	10.696	-365.654
41023_1023	41023	1023	-156.966	17.246	-0.445	0.011	-10.696	365.647
41023_1024	41023	1024	156.966	-13.67	0.445	-0.011	14.258	-241.986
41024_1024	41024	1024	-156.966	13.67	-0.445	0.011	-14.258	241.986
41024_1025	41024	1025	156.966	-10.094	0.445	-0.011	17.82	-146.931
41025_1025	41025	1025	-156.966	6.454	-0.25	0.194	-17.82	146.932
41025_1026	41025	1026	156.966	-2.879	0.25	-0.194	19.822	-109.605

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41026_1026	41026	1026	-156.966	3.647	-0.047	-0.467	-19.822	109.604
41026_1027	41026	1027	156.966	-0.967	0.047	0.467	20.108	-95.771
41027_1027	41027	1027	-156.966	0.967	0.241	-0.29	-20.108	95.771
41027_1028	41027	1028	156.966	1.718	-0.241	0.29	18.663	-98.026
41028_1028	41028	1028	-156.966	-1.718	0.212	-0.309	-18.663	98.026
41028_1029	41028	1029	156.966	4.397	-0.212	0.309	17.389	-116.358
41029_1029	41029	1029	-156.966	-4.397	0.241	-0.288	-17.389	116.358
41029_1030	41029	1030	156.966	7.082	-0.241	0.288	15.944	-150.827
41030_1030	41030	1030	-156.966	-6.341	0.283	-0.787	-15.944	150.829
41030_1031	41030	1031	156.966	9.915	-0.283	0.787	13.683	-215.808
41031_1031	41031	1031	-156.966	-9.915	0.304	-0.759	-13.683	215.808
41031_1032	41031	1032	156.966	13.492	-0.304	0.759	11.253	-309.497
41032_1032	41032	1032	-156.966	-13.492	0.283	-0.801	-11.253	309.497
41032_1033	41032	1033	156.966	17.066	-0.283	0.801	8.992	-431.661
41033_1033	41033	1033	-156.959	-16.842	2.016	-4.438	-8.992	431.68
41033_1034	41033	1034	156.959	20.308	-2.016	4.438	-6.636	-575.682
41034_1034	41034	1034	-156.956	-20.308	2.217	-3.699	6.636	575.687
41034_1035	41034	1035	156.956	23.772	-2.217	3.699	-23.824	-746.528
41035_1035	41035	1035	-156.928	-23.772	3.722	4.382	23.824	785.505
41035_1036	41035	1036	156.928	28.02	-3.722	-4.382	-59.19	-1031.57
41036_1036	41036	1036	23.314	50.151	-1.848	0.777	11.144	2694.363
41036_1037	41036	1037	-22.66	-44.563	1.848	-0.777	12.076	-2099.22
41037_1037	41037	1037	21.476	45.144	-1.862	2.763	-12.179	2099.214
41037_1038	41037	1038	-20.978	-39.557	1.862	-2.763	35.522	-1568.28
41038_1038	41038	1038	20.031	40.257	0.846	1.09	-35.31	1568.381
41038_1039	41038	1039	-19.67	-34.338	-0.846	-1.09	24.091	-1073.89
41039_1039	41039	1039	40.573	104.469	-1.552	15.318	-47.355	12654.37
41039_1040	41039	1040	-40.401	-99.215	1.552	-15.318	65.613	-11456.9
41040_1040	41040	1040	38.803	100.601	2.69	2.585	-65.217	11457.68
41040_1041	41040	1041	-38.761	-96.913	-2.69	-2.585	43.022	-10642.9
41041_1041	41041	1041	37.894	97.255	2.681	4.703	-42.997	10653.53
41041_1042	41041	1042	-37.894	-89.966	-2.681	-4.703	-0.733	-9126.87
41042_1042	41042	1042	37.866	92.224	0.019	-0.472	0.733	9127.133
41042_1043	41042	1043	-37.866	-86.87	-0.019	0.472	-0.962	-8054.27
41043_1043	41043	1043	37.866	86.87	-0.013	6.228	0.962	8054.271
41043_1044	41043	1044	-37.866	-81.514	0.013	-6.228	-0.814	-7045.64
41044_1044	41044	1044	37.866	81.734	-0.131	-1.19	0.814	7045.854
41044_1045	41044	1045	-37.866	-76.38	0.131	1.19	0.754	-6098.87
41045_1045	41045	1045	37.866	76.38	-0.162	3.885	-0.754	6098.869
41045_1046	41045	1046	-37.866	-71.026	0.162	-3.885	2.698	-5216.08
41046_1046	41046	1046	37.871	74.501	0.156	-1.95	-2.698	5216.262
41046_1047	41046	1047	-37.871	-69.143	-0.156	1.95	0.83	-4355.4
41047_1047	41047	1047	37.871	69.143	0.127	1.394	-0.83	4355.398
41047_1048	41047	1048	-37.871	-63.79	-0.127	-1.394	-0.687	-3559.44
41048_1048	41048	1048	37.867	66.566	-0.213	-3.944	0.687	3559.54
41048_1049	41048	1049	-37.867	-61.21	0.213	3.944	1.864	-2793.87
41049_1049	41049	1049	37.867	61.21	-0.273	0.532	-1.864	2793.871
41049_1050	41049	1050	-37.867	-55.857	0.273	-0.532	5.14	-2093.04
41050_1050	41050	1050	37.853	58.555	-1.319	-3.6	-5.14	2093.129
41050_1051	41050	1051	-37.853	-51.272	1.319	3.6	26.63	-1198.4
41051_1051	41051	1051	37.412	51.593	-1.374	-1.76	-26.645	1195.054
41051_1052	41051	1052	-37.453	-47.91	1.374	1.76	37.967	-785.027
41052_1052	41052	1052	36.681	48.027	0.601	-5.319	-38.095	785.034

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41052_1053	41052	1053	-36.854	-42.775	-0.601	5.319	31.031	-251.432
41053_1053	41053	1053	38.47	44.739	-1.148	-1.025	-33.576	30.799
41053_1054	41053	1054	-38.832	-38.816	1.148	1.025	48.81	523.546
41054_1054	41054	1054	37.826	40.217	2.865	-1.286	-48.933	-523.538
41054_1055	41054	1055	-38.325	-34.63	-2.865	1.286	13.018	992.63
41055_1055	41055	1055	37.413	35.617	2.83	-1.788	-13.134	-992.628
41055_1056	41055	1056	-38.068	-30.026	-2.83	1.788	-22.453	1405.294
41056_1056	41056	1056	117.974	47.786	-1.55	1.341	15.761	802.878
41056_1057	41056	1057	-117.974	-43.539	1.55	-1.341	-1.04	-369.07
41057_1057	41057	1057	117.972	43.539	-1.634	1.699	1.04	375.799
41057_1058	41057	1058	-117.972	-40.077	1.634	-1.699	11.615	-51.947
41058_1058	41058	1058	117.972	40.077	-1.634	1.699	-11.615	51.947
41058_1059	41058	1059	-117.972	-36.615	1.634	-1.699	24.271	245.085
41059_1059	41059	1059	117.99	36.373	0.762	1.787	-24.271	-245.089
41059_1060	41059	1060	-117.99	-32.795	-0.762	-1.787	18.167	521.976
41060_1060	41060	1060	117.991	29.155	0.624	1.178	-18.167	-521.977
41060_1061	41060	1061	-117.991	-25.581	-0.624	-1.178	13.175	740.797
41061_1061	41061	1061	117.992	25.581	0.468	0.196	-13.175	-740.799
41061_1062	41061	1062	-117.992	-22.002	-0.468	-0.196	9.427	931.248
41062_1062	41062	1062	117.995	22.712	0.891	2.358	-9.427	-931.264
41062_1063	41062	1063	-117.995	-20.029	-0.891	-2.358	4.08	1059.515
41063_1063	41063	1063	117.996	20.029	0.706	0.702	-4.08	-1059.52
41063_1064	41063	1064	-117.996	-17.351	-0.706	-0.702	-0.154	1171.483
41064_1064	41064	1064	117.996	17.351	0.695	0.584	0.154	-1171.48
41064_1065	41064	1065	-117.996	-14.668	-0.695	-0.584	-4.324	1267.553
41065_1065	41065	1065	117.998	14.668	0.499	-1.524	4.324	-1267.55
41065_1066	41065	1066	-117.998	-11.986	-0.499	1.524	-7.317	1347.519
41066_1066	41066	1066	117.997	12.512	0.516	1.334	7.317	-1347.55
41066_1067	41066	1067	-117.997	-8.934	-0.516	-1.334	-11.44	1433.373
41067_1067	41067	1067	117.998	8.934	0.368	-0.454	11.44	-1433.37
41067_1068	41067	1068	-117.998	-5.356	-0.368	0.454	-14.388	1490.558
41068_1068	41068	1068	117.998	5.356	0.377	-0.347	14.388	-1490.56
41068_1069	41068	1069	-117.998	-1.784	-0.377	0.347	-17.398	1519.094
41069_1069	41069	1069	118.074	1.699	4.72	-0.012	17.398	-1519.15
41069_1070	41069	1070	-118.074	1.765	-4.72	0.012	-53.988	1518.892
41070_1070	41070	1070	118.074	-1.765	4.72	-0.012	53.988	-1518.89
41070_1071	41070	1071	-118.074	5.23	-4.72	0.012	-90.577	1491.775
41071_1071	41071	1071	118.077	-5.23	4.637	-0.741	90.577	-1499.84
41071_1072	41071	1072	-118.077	9.475	-4.637	0.741	-134.605	1430.029
41072_1072	41072	1072	37.796	18.867	-2.562	4.572	38.813	-4034
41072_1073	41072	1073	-37.14	-13.276	2.562	-4.572	-6.6	4236.059
41073_1073	41073	1073	36.779	14.241	-2.589	1.202	6.96	-4236.06
41073_1074	41073	1074	-36.28	-8.654	2.589	-1.202	25.488	4379.526
41074_1074	41074	1074	36.076	8.47	1.339	4.257	-25.572	-4379.71
41074_1075	41074	1075	-35.714	-2.548	-1.339	-4.257	7.803	4452.783
41075_1075	41075	1075	32.871	74.255	-0.775	14.639	-14.418	8076.797
41075_1076	41075	1076	-32.698	-69.001	0.775	-14.639	23.529	-7234.6
41076_1076	41076	1076	31.606	65.786	2.181	-1.644	-23.144	7235.121
41076_1077	41076	1077	-31.564	-62.098	-2.181	1.644	5.151	-6707.59
41077_1077	41077	1077	31.034	62.368	2.141	7.71	-5.166	6696.656
41077_1078	41077	1078	-31.034	-55.739	-2.141	-7.71	-26.584	-5821.1
41078_1078	41078	1078	31.005	58.179	-0.593	0.518	26.584	5821.23
41078_1079	41078	1079	-31.005	-53.15	0.593	-0.518	-19.91	-5194.89

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41079_1079	41079	1079	31.005	53.15	-0.622	5.339	19.91	5194.885
41079_1080	41079	1080	-31.005	-48.116	0.622	-5.339	-12.908	-4624.68
41080_1080	41080	1080	31.011	51.825	-0.05	-0.083	12.908	4624.824
41080_1081	41080	1081	-31.011	-46.792	0.05	0.083	-12.34	-4069.57
41081_1081	41081	1081	31.011	46.792	-0.078	3.528	12.34	4069.572
41081_1082	41081	1082	-31.011	-41.759	0.078	-3.528	-11.461	-3571.02
41082_1082	41082	1082	31.011	45.276	-0.154	-2.33	11.461	3571.142
41082_1083	41082	1083	-31.011	-39.867	0.154	2.33	-9.596	-3056.02
41083_1083	41083	1083	31.011	39.867	-0.205	2.717	9.596	3056.015
41083_1084	41083	1084	-31.011	-34.458	0.205	-2.717	-7.113	-2606.37
41084_1084	41084	1084	31.014	37.923	0.081	-3.342	7.113	2606.454
41084_1085	41084	1085	-31.014	-32.89	-0.081	3.342	-8.032	-2207.83
41085_1085	41085	1085	31.014	32.89	0.027	0.577	8.032	2207.829
41085_1086	41085	1086	-31.014	-27.858	-0.027	-0.577	-8.331	-1865.88
41086_1086	41086	1086	31.009	30.72	-0.451	-4.003	8.331	1865.931
41086_1087	41086	1087	-31.009	-25.687	0.451	4.003	-3.245	-1548.42
41087_1087	41087	1087	31.009	25.687	-0.507	-1.254	3.245	1548.424
41087_1088	41087	1088	-31.009	-20.655	0.507	1.254	2.46	-1287.58
41088_1088	41088	1088	31	23.608	-1.119	-3.853	-2.46	1287.642
41088_1089	41088	1089	-31	-17.235	1.119	3.853	18.423	-996.472
41089_1089	41089	1089	30.85	17.504	-1.112	-3.724	-18.456	1002.664
41089_1090	41089	1090	-30.891	-13.815	1.112	3.724	27.633	-873.394
41090_1090	41090	1090	30.753	10.47	-0.082	-5.915	-27.759	873.404
41090_1091	41090	1091	-30.925	-5.219	0.082	5.915	28.725	-781.228
41091_1091	41091	1091	34.202	6.721	-1.678	-2.039	-30.141	639.824
41091_1092	41091	1092	-34.562	-0.799	1.678	2.039	52.396	-589.952
41092_1092	41092	1092	34.488	2.422	2.619	-3.138	-52.615	589.971
41092_1093	41092	1093	-34.986	3.168	-2.619	3.138	19.762	-594.651
41093_1093	41093	1093	35.062	-2.249	2.565	-1.687	-19.743	594.658
41093_1094	41093	1094	-35.716	7.834	-2.565	1.687	-12.472	-657.983
41094_1094	41094	1094	0.917	37.343	-3.261	-0.042	58.017	1109.782
41094_1095	41094	1095	-0.917	-33.095	3.261	0.042	-27.028	-775.073
41095_1095	41095	1095	0.916	33.095	-3.261	0.332	27.028	775.119
41095_1096	41095	1096	-0.916	-29.629	3.261	-0.332	-1.743	-531.97
41096_1096	41096	1096	0.908	29.629	-3.264	1.687	1.743	531.967
41096_1097	41096	1097	-0.908	-26.169	3.264	-1.687	23.524	-315.962
41097_1097	41097	1097	0.94	26.157	0.301	0.233	-23.524	315.973
41097_1098	41097	1098	-0.94	-22.58	-0.301	-0.233	21.116	-120.96
41098_1098	41098	1098	0.94	22.58	0.3	0.383	-21.116	120.958
41098_1099	41098	1099	-0.94	-19.004	-0.3	-0.383	18.719	45.425
41099_1099	41099	1099	0.94	19.004	0.3	0.383	-18.719	-45.425
41099_1100	41099	1100	-0.94	-15.426	-0.3	-0.383	16.323	183.185
41100_1100	41100	1100	0.941	16.248	0.267	-1.806	-16.323	-183.165
41100_1101	41100	1101	-0.941	-13.566	-0.267	1.806	14.72	272.629
41101_1101	41101	1101	0.94	13.566	0.267	-1.796	-14.72	-272.628
41101_1102	41101	1102	-0.94	-10.887	-0.267	1.796	13.119	345.883
41102_1102	41102	1102	0.937	10.887	0.278	2.224	-13.119	-345.88
41102_1103	41102	1103	-0.937	-8.204	-0.278	-2.224	11.45	403.187
41103_1103	41103	1103	0.938	8.204	0.276	1.552	-11.45	-403.191
41103_1104	41103	1104	-0.938	-5.521	-0.276	-1.552	9.79	444.385
41104_1104	41104	1104	0.938	6.255	0.123	0.178	-9.79	-444.384
41104_1105	41104	1105	-0.938	-2.682	-0.123	-0.178	8.799	480.104
41105_1105	41105	1105	0.938	2.682	0.122	-0.441	-8.799	-480.103

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41105_1106	41105	1106	-0.938	0.896	-0.122	0.441	7.818	487.249
41106_1106	41106	1106	0.938	-0.896	0.122	-0.441	-7.818	-487.249
41106_1107	41106	1107	-0.938	4.473	-0.122	0.441	6.836	465.762
41107_1107	41107	1107	0.954	-4.51	3.784	-0.463	-6.836	-465.764
41107_1108	41107	1108	-0.954	7.972	-3.784	0.463	-22.467	417.437
41108_1108	41108	1108	0.954	-7.972	3.785	-0.479	22.467	-417.437
41108_1109	41108	1109	-0.954	11.438	-3.785	0.479	-51.807	342.195
41109_1109	41109	1109	0.958	-11.438	3.783	-0.612	51.807	-342.249
41109_1110	41109	1110	-0.958	15.686	-3.783	0.612	-87.761	213.366
41110_1110	41110	1110	41.711	34.607	-2.494	3.308	26.66	-858.817
41110_1111	41110	1111	-41.057	-29.021	2.494	-3.308	4.653	1258.392
41111_1111	41111	1111	40.003	26.459	-2.554	1.396	-4.411	-1258.4
41111_1112	41111	1112	-39.505	-20.871	2.554	-1.396	36.445	1555.151
41112_1112	41112	1112	38.983	21.514	1.346	2.351	-36.4	-1555.18
41112_1113	41112	1113	-38.622	-15.589	-1.346	-2.351	18.531	1801.366
41113_1113	41113	1113	29.02	90.244	0.395	15.171	-28.341	10829.19
41113_1114	41113	1114	-28.847	-84.995	-0.395	-15.171	23.708	-9799.95
41114_1114	41114	1114	27.447	86.203	1.276	-9.521	-23.233	9800.258
41114_1115	41114	1115	-27.404	-82.514	-1.276	9.521	12.701	-9104.11
41115_1115	41115	1115	26.686	82.751	1.218	10.52	-12.784	9102.844
41115_1116	41115	1116	-26.686	-76.147	-1.218	-10.52	-5.212	-7929.16
41116_1116	41116	1116	26.686	78.589	-0.1	0.192	5.212	7929.156
41116_1117	41116	1117	-26.686	-73.559	0.1	-0.192	-4.092	-7073.17
41117_1117	41117	1117	26.685	73.559	-0.123	6.478	4.092	7073.171
41117_1118	41117	1118	-26.685	-68.53	0.123	-6.478	-2.705	-6273.79
41118_1118	41118	1118	26.685	72.489	-0.078	-2.528	2.705	6273.794
41118_1119	41118	1119	-26.685	-67.455	0.078	2.528	-1.821	-5485.8
41119_1119	41119	1119	26.685	67.455	-0.126	7.139	1.821	5485.794
41119_1120	41119	1120	-26.685	-62.426	0.126	-7.139	-0.407	-4755.13
41120_1120	41120	1120	26.685	66.431	0.125	-0.693	0.407	4755.139
41120_1121	41120	1121	-26.685	-61.021	-0.125	0.693	-1.915	-3983.98
41121_1121	41121	1121	26.686	61.021	0.103	2.556	1.915	3983.979
41121_1122	41121	1122	-26.686	-55.616	-0.103	-2.556	-3.157	-3278.84
41122_1122	41122	1122	26.686	59.732	0.053	-1.815	3.157	3278.841
41122_1123	41122	1123	-26.686	-54.698	-0.053	1.815	-3.75	-2634.56
41123_1123	41123	1123	26.686	54.698	0.03	0.5	3.75	2634.555
41123_1124	41123	1124	-26.686	-49.67	-0.03	-0.5	-4.079	-2047.45
41124_1124	41124	1124	26.685	49.581	-0.038	-3.395	4.079	2047.454
41124_1125	41124	1125	-26.685	-44.547	0.038	3.395	-3.644	-1517.49
41125_1125	41125	1125	26.686	44.547	-0.086	-0.712	3.644	1517.493
41125_1126	41125	1126	-26.686	-39.518	0.086	0.712	-2.679	-1044.61
41126_1126	41126	1126	26.684	42.954	-1.829	-3.735	2.679	1044.614
41126_1127	41126	1127	-26.684	-36.718	1.829	3.735	22.831	-488.884
41127_1127	41127	1127	26.366	36.945	-1.858	-2.51	-22.854	495.898
41127_1128	41127	1128	-26.408	-33.258	1.858	2.51	38.185	-206.297
41128_1128	41128	1128	25.84	34.132	0.491	-6.344	-38.332	206.28
41128_1129	41128	1129	-26.013	-28.88	-0.491	6.344	32.558	164.033
41129_1129	41129	1129	31.926	30.565	-2.045	-1.668	-31.159	-403.461
41129_1130	41129	1130	-32.287	-24.642	2.045	1.668	58.297	769.677
41130_1130	41130	1130	32.853	9.53	4.698	-2.526	-58.497	-769.677
41130_1131	41130	1131	-33.351	-3.943	-4.698	2.526	-0.394	854.123
41131_1131	41131	1131	33.24	4.814	4.671	-3.217	0.259	-854.122
41131_1132	41131	1132	-33.895	0.778	-4.671	3.217	-58.995	879.502

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41132_1132	41132	1132	76.807	38.796	-6.532	2.123	126.049	857.589
41132_1133	41132	1133	-76.807	-34.551	6.532	-2.123	-64	-509.191
41133_1133	41133	1133	76.815	34.551	-6.433	2.836	64	525.549
41133_1134	41133	1134	-76.815	-31.086	6.433	-2.836	-14.15	-271.209
41134_1134	41134	1134	76.906	31.086	-5.242	-1.364	14.15	271.221
41134_1135	41134	1135	-76.906	-27.621	5.242	1.364	26.483	-43.697
41135_1135	41135	1135	76.823	26.615	-0.005	0.449	-26.483	43.732
41135_1136	41135	1136	-76.823	-23.038	0.005	-0.449	26.522	154.919
41136_1136	41136	1136	76.822	23.038	0.091	0.643	-26.522	-154.919
41136_1137	41136	1137	-76.822	-19.461	-0.091	-0.643	25.793	324.955
41137_1137	41137	1137	76.823	19.461	-0.005	0.236	-25.793	-324.955
41137_1138	41137	1138	-76.823	-15.885	0.005	-0.236	25.833	466.366
41138_1138	41138	1138	76.808	16.791	0.807	0.468	-25.833	-466.377
41138_1139	41138	1139	-76.808	-14.113	-0.807	-0.468	21	558.96
41139_1139	41139	1139	76.809	14.113	0.676	-0.483	-21	-558.96
41139_1140	41139	1140	-76.809	-11.43	-0.676	0.483	16.944	635.608
41140_1140	41140	1140	76.809	11.43	0.676	-0.483	-16.944	-635.608
41140_1141	41140	1141	-76.809	-8.749	-0.676	0.483	12.888	696.159
41141_1141	41141	1141	76.808	8.749	0.803	0.676	-12.888	-696.159
41141_1142	41141	1142	-76.808	-6.066	-0.803	-0.676	8.063	740.611
41142_1142	41142	1142	76.821	3.351	0.035	-0.804	-8.063	-740.616
41142_1143	41142	1143	-76.821	0.226	-0.035	0.804	7.784	753.124
41143_1143	41143	1143	76.821	-0.226	0.035	-0.804	-7.784	-753.124
41143_1144	41143	1144	-76.821	3.801	-0.035	0.804	7.505	737.012
41144_1144	41144	1144	76.821	-3.801	0.131	0.117	-7.505	-737.013
41144_1145	41144	1145	-76.821	7.379	-0.131	-0.117	6.457	692.281
41145_1145	41145	1145	76.744	-7.222	3.833	-1.161	-6.457	-692.299
41145_1146	41145	1146	-76.744	10.683	-3.833	1.161	-23.215	622.995
41146_1146	41146	1146	76.744	-10.683	3.831	-1.178	23.215	-622.995
41146_1147	41146	1147	-76.744	14.148	-3.831	1.178	-52.909	526.759
41147_1147	41147	1147	76.746	-14.148	3.782	-0.765	52.909	-542.03
41147_1148	41147	1148	-76.746	18.394	-3.782	0.765	-88.838	387.425
41148_1148	41148	1148	31.569	17.514	-2.037	2.89	15.385	-2398.5
41148_1149	41148	1149	-30.915	-11.925	2.037	-2.89	10.213	2583.493
41149_1149	41149	1149	30.59	12.73	-2.06	1.137	-9.982	-2583.5
41149_1150	41149	1150	-30.092	-7.146	2.06	-1.137	35.791	2707.999
41150_1150	41150	1150	29.828	7.593	1.023	2.131	-35.756	-2708.05
41150_1151	41150	1151	-29.467	-1.668	-1.023	-2.131	22.169	2769.496
41151_1151	41151	1151	19.938	86.103	1.196	7.386	-23.565	9008.928
41151_1152	41151	1152	-19.766	-80.848	-1.196	-7.386	9.498	-8027.58
41152_1152	41152	1152	18.459	80.14	0.396	1.786	-9.329	8027.5
41152_1153	41152	1153	-18.417	-76.451	-0.396	-1.786	6.063	-7381.4
41153_1153	41153	1153	17.764	76.606	0.392	3.478	-6.047	7383.189
41153_1154	41153	1154	-17.764	-70.462	-0.392	-3.478	0.664	-6372.62
41154_1154	41154	1154	17.768	71.875	0.177	-0.483	-0.664	6372.609
41154_1155	41154	1155	-17.768	-66.957	-0.177	0.483	-1.283	-5608.87
41155_1155	41155	1155	17.769	66.957	0.161	4.613	1.283	5608.866
41155_1156	41155	1156	-17.769	-62.039	-0.161	-4.613	-3.054	-4899.25
41156_1156	41156	1156	17.769	64.714	0.118	-1.17	3.054	4899.23
41156_1157	41156	1157	-17.769	-60.235	-0.118	1.17	-4.234	-4273.1
41157_1157	41157	1157	17.77	60.235	0.1	3.007	4.234	4273.096
41157_1158	41157	1158	-17.77	-55.76	-0.1	-3.007	-5.238	-3692.43
41158_1158	41158	1158	17.774	58.539	-0.129	-1.811	5.238	3692.407

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41158_1159	41158	1159	-17.774	-54.059	0.129	1.811	-3.949	-3128.17
41159_1159	41159	1159	17.774	54.059	-0.146	1.247	3.949	3128.169
41159_1160	41159	1160	-17.774	-49.584	0.146	-1.247	-2.488	-2609.34
41160_1160	41160	1160	17.775	52.225	-0.181	-1.548	2.488	2609.328
41160_1161	41160	1161	-17.775	-47.307	0.181	1.548	-0.495	-2061.78
41161_1161	41161	1161	17.775	43.667	-0.181	-1.548	0.495	2061.777
41161_1162	41161	1162	-17.775	-38.75	0.181	1.548	1.497	-1608.39
41162_1162	41162	1162	17.796	41.613	-1.173	-2.606	-1.497	1608.347
41162_1163	41162	1163	-17.796	-35.47	1.173	2.606	17.607	-1078.68
41163_1163	41163	1163	17.494	35.62	-1.169	-2.786	-17.631	1077.412
41163_1164	41163	1164	-17.537	-31.931	1.169	2.786	27.271	-798.699
41164_1164	41164	1164	17.003	32.485	-0.637	-4.887	-27.375	798.644
41164_1165	41164	1165	-17.175	-27.231	0.637	4.887	34.862	-447.629
41165_1165	41165	1165	21.46	29.427	-2.034	-1.348	-27.678	107.873
41165_1166	41165	1166	-21.82	-23.503	2.034	1.348	54.661	243.305
41166_1166	41166	1166	21.071	24.66	3.05	-2.467	-54.865	-243.36
41166_1167	41166	1167	-21.569	-19.075	-3.05	2.467	16.651	517.312
41167_1167	41167	1167	21.066	19.633	3.032	-2.45	-16.753	-517.309
41167_1168	41167	1168	-21.72	-14.045	-3.032	2.45	-21.343	728.923
41168_1168	41168	1168	95.095	39.301	-4.703	0.461	99.123	1088.983
41168_1169	41168	1169	-95.095	-35.053	4.703	-0.461	-54.433	-735.72
41169_1169	41169	1169	95.093	35.053	-4.742	1.748	54.433	755.523
41169_1170	41169	1170	-95.093	-31.589	4.742	-1.748	-17.675	-497.229
41170_1170	41170	1170	95.093	31.589	-4.742	1.748	17.675	497.229
41170_1171	41170	1171	-95.093	-28.124	4.742	-1.748	19.083	-265.795
41171_1171	41171	1171	94.988	27.705	0.324	0.717	-19.083	265.769
41171_1172	41171	1172	-94.988	-24.128	-0.324	-0.717	16.489	-58.392
41172_1172	41172	1172	94.987	24.128	0.445	0.642	-16.489	58.394
41172_1173	41172	1173	-94.987	-20.557	-0.445	-0.642	12.928	120.163
41173_1173	41173	1173	94.988	20.557	0.324	0.489	-12.928	-120.164
41173_1174	41173	1174	-94.988	-16.98	-0.324	-0.489	10.335	270.337
41174_1174	41174	1174	94.995	17.9	-0.064	0.035	-10.335	-270.346
41174_1175	41174	1175	-94.995	-15.218	0.064	-0.035	10.715	369.721
41175_1175	41175	1175	94.995	15.218	0.095	0.651	-10.715	-369.72
41175_1176	41175	1176	-94.995	-12.535	-0.095	-0.651	10.145	452.999
41176_1176	41176	1176	94.995	12.535	-0.064	-0.104	-10.145	-452.999
41176_1177	41176	1177	-94.995	-9.853	0.064	0.104	10.527	520.176
41177_1177	41177	1177	94.995	9.853	-0.064	-0.104	-10.527	-520.176
41177_1178	41177	1178	-94.995	-7.171	0.064	0.104	10.907	571.254
41178_1178	41178	1178	94.993	8.059	0.121	0.12	-10.907	-571.265
41178_1179	41178	1179	-94.993	-4.486	-0.121	-0.12	9.94	621.393
41179_1179	41179	1179	94.993	4.486	0	-0.673	-9.94	-621.393
41179_1180	41179	1180	-94.993	-0.909	0	0.673	9.942	642.981
41180_1180	41180	1180	94.993	0.909	0	-0.673	-9.942	-642.981
41180_1181	41180	1181	-94.993	2.667	0	0.673	9.944	635.95
41181_1181	41181	1181	94.898	-2.829	4.952	-1.788	-9.944	-635.98
41181_1182	41181	1182	-94.898	6.293	-4.952	1.788	-28.447	600.624
41182_1182	41182	1182	94.898	-9.933	4.952	-1.788	28.447	-600.624
41182_1183	41182	1183	-94.898	13.399	-4.952	1.788	-66.839	510.192
41183_1183	41183	1183	94.895	-13.399	4.991	-0.656	66.839	-527.769
41183_1184	41183	1184	-94.895	17.646	-4.991	0.656	-114.267	380.274
41184_1184	41184	1184	31.82	14.229	-2.775	1.255	29.029	-2443.08
41184_1185	41184	1185	-31.166	-8.645	2.775	-1.255	5.811	2586.688

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41185_1185	41185	1185	30.93	9.461	-2.751	3.429	-5.927	-2586.69
41185_1186	41185	1186	-30.431	-3.872	2.751	-3.429	40.419	2670.269
41186_1186	41186	1186	30.225	4.26	1.4	1.755	-40.187	-2670.3
41186_1187	41186	1187	-29.864	1.664	-1.4	-1.755	21.618	2687.521
41187_1187	41187	1187	28.033	82.257	0.857	3.287	-34.934	8834.611
41187_1188	41187	1188	-27.861	-77.003	-0.857	-3.287	24.857	-7898.48
41188_1188	41188	1188	26.608	75.588	0.944	4.519	-24.808	7898.529
41188_1189	41188	1189	-26.565	-71.904	-0.944	-4.519	17.028	-7290.71
41189_1189	41189	1189	25.958	72.126	0.956	1.153	-16.99	7294.996
41189_1190	41189	1190	-25.958	-65.978	-0.956	-1.153	3.844	-6345.32
41190_1190	41190	1190	25.971	67.995	0.303	4.305	-3.844	6345.246
41190_1191	41190	1191	-25.971	-63.076	-0.303	-4.305	0.505	-5624.21
41191_1191	41191	1191	25.97	63.076	0.327	-0.806	-0.505	5624.21
41191_1192	41191	1192	-25.97	-58.158	-0.327	0.806	-3.094	-4957.27
41192_1192	41192	1192	25.978	60.607	-0.059	-1.928	3.094	4957.235
41192_1193	41192	1193	-25.978	-56.087	0.059	1.928	-2.492	-4367.23
41193_1193	41193	1193	25.978	56.087	-0.086	2.39	2.492	4367.227
41193_1194	41193	1194	-25.978	-51.566	0.086	-2.39	-1.631	-3822.94
41194_1194	41194	1194	25.995	53.876	-0.784	-1.37	1.631	3822.938
41194_1195	41194	1195	-25.995	-49.356	0.784	1.37	6.292	-3300.98
41195_1195	41195	1195	25.995	49.356	-0.784	-1.37	-6.292	3300.983
41195_1196	41195	1196	-25.995	-44.837	0.784	1.37	14.214	-2824.74
41196_1196	41196	1196	25.973	46.949	0.006	-1.621	-14.214	2824.672
41196_1197	41196	1197	-25.973	-42.03	-0.006	1.621	14.145	-2335.19
41197_1197	41197	1197	25.973	42.03	0.03	-3.788	-14.145	2335.186
41197_1198	41197	1198	-25.973	-37.117	-0.03	3.788	13.812	-1900.18
41198_1198	41198	1198	26.02	35.617	-1.736	-3.9	-13.812	1900.146
41198_1199	41198	1199	-26.02	-29.47	1.736	3.9	37.681	-1452.58
41199_1199	41199	1199	25.773	29.687	-1.729	-4.348	-37.72	1446.383
41199_1200	41199	1200	-25.815	-25.998	1.729	4.348	51.99	-1216.62
41200_1200	41200	1200	25.35	25.623	0.758	-7.526	-52.15	1216.511
41200_1201	41200	1201	-25.526	-20.369	-0.758	7.526	43.23	-946.17
41201_1201	41201	1201	26.281	22.863	-1.964	-0.866	-41.124	648.6
41201_1202	41201	1202	-26.647	-16.944	1.964	0.866	67.159	-384.697
41202_1202	41202	1202	26.063	18.023	2.753	-2.793	-67.426	384.602
41202_1203	41202	1203	-26.567	-12.433	-2.753	2.793	32.919	-193.683
41203_1203	41203	1203	26.237	13.116	2.753	-1.942	-32.981	193.683
41203_1204	41203	1204	-26.898	-7.527	-2.753	1.942	-1.604	-63.992
41204_1204	41204	1204	50.342	41.706	-2.704	2.064	31.457	1448.475
41204_1205	41204	1205	-50.342	-37.458	2.704	-2.064	-5.763	-1072.37
41205_1205	41205	1205	50.343	37.458	-2.671	2.067	5.763	1086.003
41205_1206	41205	1206	-50.343	-33.998	2.671	-2.067	14.91	-809.41
41206_1206	41206	1206	50.343	33.998	-2.672	2.089	-14.91	809.41
41206_1207	41206	1207	-50.343	-30.532	2.672	-2.089	35.62	-559.302
41207_1207	41207	1207	50.26	30.064	0.456	1.17	-35.62	559.287
41207_1208	41207	1208	-50.26	-26.486	-0.456	-1.17	31.966	-333.036
41208_1208	41208	1208	50.26	26.486	0.393	1.587	-31.966	333.036
41208_1209	41208	1209	-50.26	-22.909	-0.393	-1.587	28.816	-135.411
41209_1209	41209	1209	50.26	22.909	0.393	1.587	-28.816	135.411
41209_1210	41209	1210	-50.26	-19.334	-0.393	-1.587	25.664	33.595
41210_1210	41210	1210	50.254	20.083	0.678	0.912	-25.664	-33.613
41210_1211	41210	1211	-50.254	-17.4	-0.678	-0.912	21.592	146.087
41211_1211	41211	1211	50.255	17.4	0.595	0.668	-21.592	-146.09

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41211_1212	41211	1212	-50.255	-14.718	-0.595	-0.668	18.022	242.461
41212_1212	41212	1212	50.255	14.718	0.597	0.676	-18.022	-242.461
41212_1213	41212	1213	-50.255	-12.04	-0.597	-0.676	14.448	322.615
41213_1213	41213	1213	50.254	12.04	0.678	1.203	-14.448	-322.614
41213_1214	41213	1214	-50.254	-9.357	-0.678	-1.203	10.376	386.817
41214_1214	41214	1214	50.253	9.87	0.669	0.112	-10.376	-386.83
41214_1215	41214	1215	-50.253	-6.293	-0.669	-0.112	5.018	451.492
41215_1215	41215	1215	50.253	6.293	0.733	0.677	-5.018	-451.492
41215_1216	41215	1216	-50.253	-2.716	-0.733	-0.677	-0.843	487.534
41216_1216	41216	1216	50.253	2.716	0.669	0.068	0.843	-487.535
41216_1217	41216	1217	-50.253	0.86	-0.669	-0.068	-6.201	494.957
41217_1217	41217	1217	50.153	-0.813	4.442	-1.165	6.201	-494.998
41217_1218	41217	1218	-50.153	4.278	-4.442	1.165	-40.637	475.268
41218_1218	41218	1218	50.153	-4.278	4.444	-1.152	40.637	-475.268
41218_1219	41218	1219	-50.153	7.739	-4.444	1.152	-75.04	428.755
41219_1219	41219	1219	50.155	-7.739	4.41	-0.375	75.04	-440.873
41219_1220	41219	1220	-50.155	11.986	-4.41	0.375	-116.945	347.165
41220_1220	41220	1220	36.264	25.384	-2.067	8.885	19.767	-2052.56
41220_1221	41220	1221	-35.604	-19.795	2.067	-8.885	6.214	2336.379
41221_1221	41221	1221	35.073	20.706	-2.229	-2.139	-5.155	-2336.4
41221_1222	41221	1222	-34.568	-15.118	2.229	2.139	33.089	2560.931
41222_1222	41222	1222	34.055	15.083	2.761	0.595	-33.226	-2560.77
41222_1223	41222	1223	-33.689	-9.16	-2.761	-0.595	-3.398	2721.587
41223_1223	41223	1223	34.342	95.145	-0.462	35.2	23.429	9686.183
41223_1224	41223	1224	-34.167	-89.893	0.462	-35.2	-18	-8598.75
41224_1224	41224	1224	32.745	92.238	0.48	-13.499	18.957	8597.916
41224_1225	41224	1225	-32.702	-88.55	-0.48	13.499	-22.92	-7852.14
41225_1225	41225	1225	31.966	88.819	0.364	14.917	22.806	7852.07
41225_1226	41225	1226	-31.966	-81.484	-0.364	-14.917	-28.779	-6454.74
41226_1226	41226	1226	31.983	85.32	-0.517	-10.352	28.779	6453.667
41226_1227	41226	1227	-31.983	-79.804	0.517	10.352	-22.403	-5434.84
41227_1227	41227	1227	31.98	79.804	-0.672	16.114	22.403	5434.826
41227_1228	41227	1228	-31.98	-74.292	0.672	-16.114	-14.112	-4484.78
41228_1228	41228	1228	31.998	77.716	-1.408	-4.905	14.112	4483.558
41228_1229	41228	1229	-31.998	-70.039	1.408	4.905	3.261	-3571.84
41229_1229	41229	1229	31.993	70.039	-1.512	6.717	-3.261	3571.831
41229_1230	41229	1230	-31.993	-62.369	1.512	-6.717	21.904	-2755.43
41230_1230	41230	1230	31.843	65.349	1.583	-4.692	-21.904	2754.277
41230_1231	41230	1231	-31.843	-57.678	-1.583	4.692	2.373	-1995.64
41231_1231	41231	1231	31.848	57.678	1.48	1.818	-2.373	1995.642
41231_1232	41231	1232	-31.848	-50.014	-1.48	-1.818	-15.864	-1332.06
41232_1232	41232	1232	31.835	48.25	1.799	-5.486	15.864	1331.578
41232_1233	41232	1233	-31.835	-42.103	-1.799	5.486	-33.653	-885.068
41233_1233	41233	1233	31.841	42.103	1.698	-2.669	33.653	885.081
41233_1234	41233	1234	-31.841	-34.965	-1.698	2.669	-53.141	-442.893
41234_1234	41234	1234	31.709	35.091	1.555	-0.847	53.138	442.189
41234_1235	41234	1235	-31.719	-33.137	-1.555	0.847	-58.023	-335.008
41235_1235	41235	1235	20.362	28.268	-3.931	-3.566	46.864	778.402
41235_1236	41235	1236	-20.481	-23.824	3.931	3.566	-18.774	-592.327
41236_1236	41236	1236	20.52	23.783	-3.974	-2.31	18.804	592.332
41236_1237	41236	1237	-20.666	-17.74	3.974	2.31	19.818	-390.629
41237_1237	41237	1237	20.257	18.192	-4.032	-2.413	-19.887	382.204
41237_1238	41237	1238	-20.401	-15.223	4.032	2.413	39.151	-302.433

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41238_1238	41238	1238	20.166	15.661	-4.041	-2.579	-39.22	302.351
41238_1239	41238	1239	-20.598	-8.993	4.041	2.579	82.607	-170.188
41239_1239	41239	1239	20.395	9.418	-4.102	-0.368	-82.606	170.207
41239_1240	41239	1240	-20.991	-2.623	4.102	0.368	127.536	-104.535
41240_1240	41240	1240	19.614	6.542	7.491	-6.854	-128.446	103.768
41240_1241	41240	1241	-20.443	0.822	-7.491	6.854	39.359	-70.176
41241_1241	41241	1241	-11.342	51.473	3.551	6.248	-50.319	1323.47
41241_1242	41241	1242	11.342	-45.563	-3.551	-6.248	16.576	-862.396
41242_1242	41242	1242	-11.338	45.563	3.563	7.009	-16.576	861.772
41242_1243	41242	1243	11.338	-43.594	-3.563	-7.009	5.301	-720.701
41243_1243	41243	1243	-11.103	44.537	0.509	0.869	-5.301	720.144
41243_1244	41243	1244	11.103	-38.805	-0.509	-0.869	0.611	-336.184
41244_1244	41244	1244	-11.101	38.805	0.545	1.966	-0.611	336.179
41244_1245	41244	1245	11.101	-32.331	-0.545	-1.966	-5.065	34.013
41245_1245	41245	1245	-11.077	32.54	0.256	1.895	5.065	-34.016
41245_1246	41245	1246	11.077	-26.477	-0.256	-1.895	-7.56	321.678
41246_1246	41246	1246	-11.077	26.477	0.291	0.856	7.56	-321.682
41246_1247	41246	1247	11.077	-20.331	-0.291	-0.856	-10.444	552.927
41247_1247	41247	1247	-11.075	20.782	0.322	1.587	10.444	-552.766
41247_1248	41247	1248	11.075	-15.133	-0.322	-1.587	-13.373	715.844
41248_1248	41248	1248	-11.075	15.133	0.345	0.179	13.373	-715.845
41248_1249	41248	1249	11.075	-8.581	-0.345	-0.179	-17.002	840.769
41249_1249	41249	1249	-11.1	8.714	0.869	2.037	17.002	-840.512
41249_1250	41249	1250	11.1	-2.284	-0.869	-2.037	-25.983	897.362
41250_1250	41250	1250	-11.097	2.284	0.914	-1.566	25.983	-897.362
41250_1251	41250	1251	11.097	3.494	-0.914	1.566	-34.467	891.746
41251_1251	41251	1251	-11.03	-2.087	-0.396	1.597	34.467	-891.486
41251_1252	41251	1252	11.03	8.389	0.396	-1.597	-30.45	838.42
41252_1252	41252	1252	-11.033	-12.029	-0.363	-0.952	30.45	-838.421
41252_1253	41252	1253	11.033	19	0.363	0.952	-26.384	664.527
41253_1253	41253	1253	-11.032	-19	-0.37	-0.484	26.384	-664.329
41253_1254	41253	1254	11.032	20.966	0.37	0.484	-25.211	601.168
41254_1254	41254	1254	-11.258	-17.92	5.14	-14.011	25.211	-601.601
41254_1255	41254	1255	11.258	21.859	-5.14	14.011	-57.767	475.623
41255_1255	41255	1255	25.018	36.978	5.469	9.724	-11.844	-2072.32
41255_1256	41255	1256	-24.434	-31.96	-5.469	-9.724	-32.477	2351.983
41256_1256	41256	1256	23.945	32.335	5.427	4.563	33.029	-2351.99
41256_1257	41256	1257	-23.497	-27.836	-5.427	-4.563	-72.415	2570.552
41257_1257	41257	1257	23.229	22.163	-13.03	7.433	72.196	-2570.18
41257_1258	41257	1258	-22.707	-15.725	13.03	-7.433	62.931	2766.874
41258_1258	41258	1258	22.325	16.212	-13.093	0.682	-62.368	-2766.9
41258_1259	41258	1259	-21.88	-8.361	13.093	-0.682	227.78	2922.299
41259_1259	41259	1259	72.741	8.887	2.304	-13.931	-16.438	10121.4
41259_1260	41259	1260	-72.534	-2.328	-2.304	13.931	-7.87	-10062.2
41260_1260	41260	1260	72.493	3.476	2.143	8.381	7.449	10062.18
41260_1261	41260	1261	-72.426	2.403	-2.143	-8.381	-27.703	-10057.1
41261_1261	41261	1261	72.445	-1.762	2.106	13.383	27.776	10049.9
41261_1262	41261	1262	-72.445	3.733	-2.106	-13.383	-34.449	-10058.6
41262_1262	41262	1262	72.547	-4.967	-3.008	-16.796	34.449	10057.16
41262_1263	41262	1263	-72.547	11.88	3.008	16.796	-1.013	-10150.8
41263_1263	41263	1263	72.535	-11.88	-3.262	18.749	1.013	10150.78
41263_1264	41263	1264	-72.535	19.303	3.262	-18.749	37.918	-10336.9
41264_1264	41264	1264	72.491	-14.024	-0.913	-19.849	-37.918	10335.8

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41264_1265	41264	1265	-72.491	21.224	0.913	19.849	48.487	-10539.8
41265_1265	41265	1265	72.487	-21.224	-1.174	18.056	-48.487	10539.83
41265_1266	41265	1266	-72.487	28.365	1.174	-18.056	61.962	-10824.5
41266_1266	41266	1266	72.479	-22.871	-0.89	-16.517	-61.962	10823.97
41266_1267	41266	1267	-72.479	30.135	0.89	16.517	72.348	-11133.5
41267_1267	41267	1267	72.477	-30.135	-1.068	10.938	-72.348	11133.47
41267_1268	41267	1268	-72.477	37.207	1.068	-10.938	84.492	-11516.3
41268_1268	41268	1268	72.465	-32.04	-4.026	-22.985	-84.492	11516.33
41268_1269	41268	1269	-72.465	40.156	4.026	22.985	137.034	-11987.4
41269_1269	41269	1269	72.451	-40.156	-4.263	16.105	-137.034	11987.41
41269_1270	41269	1270	-72.451	47.279	4.263	-16.105	185.844	-12488
41270_1270	41270	1270	72.453	-40.401	7.62	-31.523	-185.844	12488.04
41270_1271	41270	1271	-72.453	46.102	-7.62	31.523	115.999	-12884.5
41271_1271	41271	1271	72.472	-49.742	7.436	1.422	-115.999	12884.5
41271_1272	41271	1272	-72.472	56.682	-7.436	-1.422	33.037	-13478.3
41272_1272	41272	1272	72.77	-56.323	7.252	36.037	-32.859	13475.33
41272_1273	41272	1273	-72.786	58.918	-7.252	-36.037	2.607	-13715.7
41273_1273	41273	1273	73.246	-54.495	0.772	-27.68	-3.198	13716.8
41273_1274	41273	1274	-73.337	59.442	-0.772	27.68	-2.945	-14169.9
41274_1274	41274	1274	74.114	-58.473	0.667	-7.083	3.16	14169.93
41274_1275	41274	1275	-74.282	63.371	-0.667	7.083	-8.413	-14649.8
41275_1275	41275	1275	75.042	-62.473	0.399	47.04	10.501	14634
41275_1276	41275	1276	-75.164	65.071	-0.399	-47.04	-12.168	-14900.6
41276_1276	41276	1276	4.994	1.261	4.61	-4.519	-126.248	1351.567
41276_1277	41276	1277	-5.461	6.044	-4.61	4.519	72.03	-1379.88
41277_1277	41277	1277	5.619	-5.913	4.591	2.501	-71.699	1379.901
41277_1278	41277	1278	-6.333	13.847	-4.591	-2.501	12.984	-1506.6
41278_1278	41278	1278	6.975	-16.939	-1.611	1.194	-13.086	1506.593
41278_1279	41278	1279	-7.655	22.899	1.611	-1.194	28.59	-1698.7
41279_1279	41279	1279	-105.609	54.643	-0.951	3.184	-43.075	1908.72
41279_1280	41279	1280	105.609	-48.732	0.951	-3.184	52.12	-1417.56
41280_1280	41280	1280	-105.609	48.732	-0.893	4.055	-52.12	1407.608
41280_1281	41280	1281	105.609	-45.361	0.893	-4.055	56.962	-1152.6
41281_1281	41281	1281	-105.604	51.53	2.338	0.108	-56.962	1186.618
41281_1282	41281	1282	105.604	-43.842	-2.338	-0.108	28.059	-597.242
41282_1282	41282	1282	-105.597	43.842	2.654	1.894	-28.059	597.238
41282_1283	41282	1283	105.597	-36.29	-2.654	-1.894	-4.172	-110.734
41283_1283	41283	1283	-105.594	31.09	-0.261	2.629	4.172	110.724
41283_1284	41283	1284	105.594	-23.374	0.261	-2.629	-0.939	227.114
41284_1284	41284	1284	-105.594	23.374	0.082	1.892	0.939	-227.121
41284_1285	41284	1285	105.594	-16.683	-0.082	-1.892	-1.824	442.57
41285_1285	41285	1285	-105.609	17.273	1.107	2.532	1.824	-442.529
41285_1286	41285	1286	105.609	-10.312	-1.107	-2.532	-14.204	596.869
41286_1286	41286	1286	-105.605	10.312	1.423	0.742	14.204	-596.875
41286_1287	41286	1287	105.605	-3.841	-1.423	-0.742	-29.006	670.497
41287_1287	41287	1287	-105.604	4.511	0.914	2.399	29.006	-670.522
41287_1288	41287	1288	105.604	3.635	-0.914	-2.399	-40.984	676.258
41288_1288	41288	1288	-105.6	-7.275	1.278	0.071	40.984	-676.262
41288_1289	41288	1289	105.6	14.255	-1.278	-0.071	-55.325	555.452
41289_1289	41289	1289	-105.612	-14.139	-1.194	-3.637	55.325	-555.44
41289_1290	41289	1290	105.612	16.63	1.194	3.637	-50.541	493.828
41290_1290	41290	1290	-105.613	-16.63	-1.042	-4.405	50.541	-488.082
41290_1291	41290	1291	105.613	22.539	1.042	4.405	-40.64	302.029

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41291_1291	41291	1291	23.027	68.26	-1.088	11.853	-76.279	-1000.48
41291_1292	41291	1292	-22.521	-63.66	1.088	-11.853	84.369	1490.841
41292_1292	41292	1292	21.05	64.723	2.207	7.317	-83.557	-1490.87
41292_1293	41292	1293	-20.384	-56.864	-2.207	-7.317	55.604	2261.316
41293_1293	41293	1293	18.818	57.404	2.133	-1.445	-54.876	-2261.35
41293_1294	41293	1294	-18.437	-50.453	-2.133	1.445	31.007	2864.747
41294_1294	41294	1294	1.431	50.325	2.608	19.109	-89.354	-3852.4
41294_1295	41294	1295	-1.288	-45.94	-2.608	-19.109	70.963	4191.858
41295_1295	41295	1295	0.515	45.955	2.608	3.131	-70.422	-4191.92
41295_1296	41295	1296	-0.454	-41.504	-2.608	-3.131	51.754	4504.923
41296_1296	41296	1296	-0.014	41.506	2.609	-1.006	-51.713	-4504.93
41296_1297	41296	1297	0.017	-36.036	-2.609	1.006	28.773	4845.903
41297_1297	41297	1297	-0.031	35.994	1.195	18.553	-28.773	-4845.91
41297_1298	41297	1298	0.031	-33.474	-1.195	-18.553	23.932	4986.667
41298_1298	41298	1298	-0.029	33.474	1.195	10.822	-23.932	-4986.68
41298_1299	41298	1299	0.029	-28.208	-1.195	-10.822	13.818	5247.776
41299_1299	41299	1299	-0.025	28.208	1.195	-5.986	-13.818	-5247.78
41299_1300	41299	1300	0.025	-20.753	-1.195	5.986	-0.502	5541.196
41300_1300	41300	1300	-0.022	19.883	0.369	14.955	0.502	-5541.21
41300_1301	41300	1301	0.022	-11.695	-0.369	-14.955	-5.357	5749.042
41301_1301	41301	1301	-0.02	11.695	0.369	-8.085	5.357	-5749.06
41301_1302	41301	1302	0.02	-4.648	-0.369	8.085	-9.535	5841.631
41302_1302	41302	1302	-0.019	4.76	0.605	15.466	9.535	-5841.65
41302_1303	41302	1303	0.019	3.612	-0.605	-15.466	-17.68	5849.374
41303_1303	41303	1303	-0.017	-3.612	0.605	-11.972	17.68	-5849.38
41303_1304	41303	1304	0.017	10.48	-0.605	11.972	-24.36	5771.581
41304_1304	41304	1304	-0.014	-10.147	0.746	11.88	24.36	-5771.61
41304_1305	41304	1305	0.014	18.274	-0.746	-11.88	-34.109	5585.939
41305_1305	41305	1305	-0.011	-18.274	0.746	-10.336	34.109	-5585.94
41305_1306	41305	1306	0.011	25.384	-0.746	10.336	-42.636	5336.421
41306_1306	41306	1306	-0.007	-28.361	1.867	8.813	42.636	-5336.42
41306_1307	41306	1307	0.007	35.739	-1.867	-8.813	-64.794	4956.222
41307_1307	41307	1307	0	-35.739	1.868	-8.497	64.794	-4956.22
41307_1308	41307	1308	0	43.599	-1.868	8.497	-88.397	4454.954
41308_1308	41308	1308	0.007	-43.086	1.907	5.724	88.397	-4454.96
41308_1309	41308	1309	-0.007	50.651	-1.907	-5.724	-111.595	3884.878
41309_1309	41309	1309	0.014	-50.651	1.907	-9.168	111.595	-3884.87
41309_1310	41309	1310	-0.014	58.327	-1.907	9.168	-135.13	3212.426
41310_1310	41310	1310	0.014	-56.662	-1.654	0.059	135.13	-3212.41
41310_1311	41310	1311	-0.014	64.63	1.654	-0.059	-113.948	2435.558
41311_1311	41311	1311	0.008	-64.63	-1.653	-9.265	113.948	-2435.54
41311_1312	41311	1312	-0.008	72.58	1.653	9.265	-92.813	1558.675
41312_1312	41312	1312	-0.012	-80.592	-5.17	-2.401	92.813	-1558.66
41312_1313	41312	1313	0.012	91.758	5.17	2.401	0	11.599

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1	2	3	4	5	6	7	8	9	14
1000_1000	1000	1000	-2.063	79.751	0.344	-1.532	0	-7.128	1
1000_1001	1000	1001	103.488	-71.692	-0.344	1.532	-5.854	826.31	1
1001_1001	1001	1001	-103.491	71.692	0.344	-1.149	5.854	-826.321	1
1001_1002	1001	1002	162.58	-66.549	-0.344	1.149	-9.583	1303.563	1
1002_1002	1002	1002	-162.649	57.684	-0.376	-1.122	9.583	-1303.52	1
1002_1003	1002	1003	215.272	-51.906	0.376	1.122	-5.002	1728.549	1
1003_1003	1003	1003	-215.271	51.906	-0.376	-0.79	5.002	-1728.55	1
1003_1004	1003	1004	262.349	-46.128	0.376	0.79	-0.417	2108.791	1
1004_1004	1004	1004	-262.294	38.679	0.057	-0.979	0.417	-2108.66	1
1004_1005	1004	1005	296.676	-32.898	-0.057	0.979	-1.115	2386.354	1
1005_1005	1005	1005	-296.677	32.898	0.057	-0.521	1.115	-2386.36	1
1005_1006	1005	1006	325.508	-27.118	-0.057	0.521	-1.81	2619.224	1
1006_1006	1006	1006	-325.493	17.849	0.066	-0.657	1.81	-2619.1	1
1006_1007	1006	1007	339.859	-12.071	-0.066	0.657	-2.609	2735.131	1
1007_1007	1007	1007	-339.859	12.071	0.065	-0.132	2.609	-2735.13	1
1007_1008	1007	1008	348.678	-6.293	-0.065	0.132	-3.405	2806.355	1
1008_1008	1008	1008	-348.67	-3.406	-0.007	-0.248	3.405	-2806.27	1
1008_1009	1008	1009	342.629	9.181	0.007	0.248	-3.322	2757.476	1
1009_1009	1009	1009	-342.629	-9.181	-0.007	0.217	3.322	-2757.48	1
1009_1010	1009	1010	331.031	14.962	0.007	-0.217	-3.237	2663.803	1
1010_1010	1010	1010	-331.027	-14.962	-0.031	-0.173	3.237	-2663.76	1
1010_1011	1010	1011	304.678	30.331	0.031	0.173	-2.864	2450.948	1
1011_1011	1011	1011	-304.677	-30.331	-0.031	0.825	2.864	-2450.95	1
1011_1012	1011	1012	272.803	36.104	0.031	-0.825	-2.485	2193.504	1
1012_1012	1012	1012	-272.802	-36.104	-0.097	0.759	2.485	-2193.5	1
1012_1013	1012	1013	226.086	51.529	0.097	-0.759	-1.301	1816.182	1
1013_1013	1013	1013	-226.086	-51.529	-0.097	0.411	1.301	-1816.18	1
1013_1014	1013	1014	173.826	57.307	0.097	-0.411	-0.121	1394.086	1
1014_1014	1014	1014	-173.825	-57.307	0.444	0.732	0.121	-1394.09	1
1014_1015	1014	1015	81.698	73.863	-0.444	-0.732	-7.557	650.007	1
1015_1015	1015	1015	-88.798	-73.581	0.299	0.139	5.081	-662.511	1
1015_1016	1015	1016	33.94	77.476	-0.299	-0.133	-7.547	258.144	1
1016_1016	1016	1016	-32.437	-77.476	0.327	0.266	7.564	-258.12	1
1016_1017	1016	1017	-50.368	91.021	-0.327	-0.24	-11.401	-422.733	1.06
1017_1017	1017	1017	51.971	-90.85	0.327	0.188	11.427	425.098	1.06
1017_1018	1017	1018	-123.674	97.444	-0.327	-0.144	-15.768	-1283.52	1.03
1018_1018	1018	1018	126.302	-102.776	-0.727	0.016	15.797	1283.514	1.03
1018_1019	1018	1019	-171.953	109.308	0.727	-0.133	-6.693	-2241.36	1.02
1019_1019	1019	1019	174.345	-108.838	-0.726	0.561	6.786	2241.354	1.02
1019_1020	1019	1020	-197.335	115.612	0.726	-0.69	2.342	-3305.91	1.02
1020_1020	1020	1020	-270.452	28.786	0.603	-0.19	-13.858	417.177	1.02
1020_1021	1020	1021	292.245	-24.364	-0.603	0.19	8.132	-251.816	1
1021_1021	1021	1021	-276.87	24.273	0.527	-0.183	-6.342	176.97	1
1021_1022	1021	1022	292.674	-20.68	-0.527	0.183	2.26	-65.989	1
1022_1022	1022	1022	-292.669	20.68	0.589	-0.174	-2.26	65.992	1
1022_1023	1022	1023	305.946	-17.088	-0.589	0.174	-2.307	27.237	1
1023_1023	1023	1023	-305.929	17.088	-0.138	-0.064	2.307	-27.233	1
1023_1024	1023	1024	313.883	-9.106	0.138	0.064	-1.203	83.091	1
1024_1024	1024	1024	-313.883	9.106	-0.138	-0.064	1.203	-83.091	1
1024_1025	1024	1025	319.147	-5.397	0.138	0.064	-0.098	120.05	1
1025_1025	1025	1025	-319.147	5.397	-0.077	-0.079	0.098	-120.049	1
1025_1026	1025	1026	321.719	-1.69	0.077	0.079	0.522	138.107	1
1026_1026	1026	1026	-321.718	1.69	-0.132	-0.015	-0.522	-138.106	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1026_1027	1026	1027	318.596	7.129	0.132	0.015	1.315	116.181	1
1027_1027	1027	1027	-318.597	-7.129	-0.043	-0.036	-1.315	-116.18	1
1027_1028	1027	1028	313.954	9.913	0.043	0.036	1.57	83.58	1
1028_1028	1028	1028	-313.954	-9.913	-0.051	-0.035	-1.57	-83.58	1
1028_1029	1028	1029	307.807	12.692	0.051	0.035	1.878	40.409	1
1029_1029	1029	1029	-307.807	-12.692	-0.043	-0.036	-1.878	-40.409	1
1029_1030	1029	1030	300.133	15.476	0.043	0.036	2.133	-13.476	1
1030_1030	1030	1030	-300.133	-15.476	0.062	0	-2.133	13.476	1
1030_1031	1030	1031	283.17	25.239	-0.062	0	1.637	-132.598	1
1031_1031	1031	1031	-283.17	-25.239	0.069	0.002	-1.637	132.598	1
1031_1032	1031	1032	263.491	28.95	-0.069	-0.002	1.088	-270.783	1
1032_1032	1032	1032	-263.492	-28.95	0.062	-0.001	-1.088	270.783	1
1032_1033	1032	1033	241.148	32.656	-0.062	0.001	0.592	-427.687	1
1033_1033	1033	1033	-241.166	-37.053	-0.661	-0.196	-0.592	427.698	1
1033_1034	1033	1034	213.841	40.647	0.661	0.196	5.717	-619.578	1
1034_1034	1034	1034	-213.846	-40.647	-0.598	-0.117	-5.717	619.58	1
1034_1035	1034	1035	183.998	44.24	0.598	0.117	10.356	-829.182	1
1035_1035	1035	1035	-204.321	-44.415	-0.17	0.91	-13.5	928.186	1
1035_1036	1035	1036	166.2	48.837	0.17	-0.91	15.117	-1218.73	1.01
1036_1036	1036	1036	232.688	97.03	0.644	-0.72	-6.052	4242.269	1.01
1036_1037	1036	1037	-235.522	-90.064	-0.644	0.607	-2.039	-3304.79	1.02
1037_1037	1037	1037	233.507	90.076	0.646	-0.211	1.969	3304.795	1.02
1037_1038	1037	1038	-221.167	-83.313	-0.646	0.108	-10.066	-2471.31	1.02
1038_1038	1038	1038	218.938	78.392	-0.331	-0.276	10.052	2471.419	1.02
1038_1039	1038	1039	-187.649	-71.597	0.331	0.32	-5.67	-1741.32	1.03
1039_1039	1039	1039	187.97	71.743	-0.328	-0.157	5.639	1730.715	1.03
1039_1040	1039	1040	-138.633	-66.141	0.328	0.183	-1.783	-1171.51	1.05
1040_1040	1040	1040	137.492	60.191	-0.07	-0.239	1.776	1171.576	1.05
1040_1041	1040	1041	-99.379	-56.363	0.07	0.24	-1.2	-852.206	1.07
1041_1041	1041	1041	111.658	55.958	-0.033	-0.155	0.572	789.559	1.07
1041_1042	1041	1042	-29.24	-48.496	0.033	0.155	-0.032	-267.492	1
1042_1042	1042	1042	29.241	41.152	-0.017	-0.123	0.032	267.498	1
1042_1043	1042	1043	15.29	-35.67	0.017	0.123	0.177	14.577	1
1043_1043	1043	1043	-15.289	35.67	-0.016	-0.124	-0.177	-14.576	1
1043_1044	1043	1044	53.462	-30.188	0.016	0.124	0.373	256.376	1
1044_1044	1044	1044	-53.464	22.495	-0.008	-0.037	-0.373	-256.39	1
1044_1045	1044	1045	76.362	-17.014	0.008	0.037	0.472	401.431	1
1045_1045	1045	1045	-76.362	17.014	-0.007	-0.067	-0.472	-401.431	1
1045_1046	1045	1046	92.905	-11.533	0.007	0.067	0.558	506.224	1
1046_1046	1046	1046	-92.908	3.387	0.007	0.057	-0.558	-506.252	1
1046_1047	1046	1047	93.656	2.098	-0.007	-0.057	0.468	510.988	1
1047_1047	1047	1047	-93.656	-2.098	0.009	0.021	-0.468	-510.988	1
1047_1048	1047	1048	88.05	7.577	-0.009	-0.021	0.366	475.48	1
1048_1048	1048	1048	-88.056	-15.578	-0.013	0.149	-0.366	-475.503	1
1048_1049	1048	1049	66.811	21.062	0.013	-0.149	0.527	340.926	1
1049_1049	1049	1049	-66.811	-21.062	-0.011	0.099	-0.527	-340.929	1
1049_1050	1049	1050	39.236	26.54	0.011	-0.099	0.661	166.256	1
1050_1050	1050	1050	-39.223	-33.89	0.114	0.154	-0.661	-166.267	1
1050_1051	1050	1051	-20.086	41.345	-0.114	-0.154	-1.198	-209.416	1.15
1051_1051	1051	1051	18.745	-41.618	0.133	0.24	1.372	217.756	1.15
1051_1052	1051	1052	-50.273	45.404	-0.133	-0.237	-2.465	-446.062	1.06
1052_1052	1052	1052	51.196	-52.4	0.144	0.216	2.471	446.06	1.06
1052_1053	1052	1053	-98.936	57.845	-0.144	-0.202	-4.169	-869.846	1.03
1053_1053	1053	1053	89.672	-58.52	0.199	0.462	5.702	925.318	1.03

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1053_1054	1053	1054	-124.156	64.943	-0.199	-0.434	-8.348	-1513.2	1.02
1054_1054	1054	1054	125.985	-70.298	-0.486	0.345	8.37	1513.197	1.02
1054_1055	1054	1055	-146.686	76.617	0.486	-0.428	-2.28	-2200.53	1.01
1055_1055	1055	1055	148.383	-76.721	-0.484	0.728	2.324	2200.527	1.01
1055_1056	1055	1056	-156.131	83.232	0.484	-0.819	3.764	-2979.63	1.01
1056_1056	1056	1056	-200.539	40.482	0.503	-0.269	-12.406	643.634	1.01
1056_1057	1056	1057	230.944	-36.157	-0.503	0.269	7.631	-401.787	1
1057_1057	1057	1057	-228.919	36.147	0.475	-0.257	-6.818	387.537	1
1057_1058	1057	1058	251.248	-32.622	-0.475	0.257	3.137	-210.505	1
1058_1058	1058	1058	-251.248	32.622	0.475	-0.257	-3.137	210.505	1
1058_1059	1058	1059	271.288	-29.097	-0.475	0.257	-0.543	-51.621	1
1059_1059	1059	1059	-271.322	24.584	-0.091	-0.019	0.543	51.613	1
1059_1060	1059	1060	286.599	-20.94	0.091	0.019	0.187	69.513	1
1060_1060	1060	1060	-286.6	20.94	-0.049	-0.035	-0.187	-69.513	1
1060_1061	1060	1061	299.417	-17.301	0.049	0.035	0.575	171.128	1
1061_1061	1061	1061	-299.417	17.301	0	-0.079	-0.575	-171.128	1
1061_1062	1061	1062	309.805	-13.658	0	0.079	0.576	253.491	1
1062_1062	1062	1062	-309.809	7.727	-0.051	0.13	-0.576	-253.501	1
1062_1063	1062	1063	313.01	-4.996	0.051	-0.13	0.88	278.876	1
1063_1063	1063	1063	-313.01	4.996	0.006	0.045	-0.88	-278.877	1
1063_1064	1063	1064	314.834	-2.27	-0.006	-0.045	0.841	293.343	1
1064_1064	1064	1064	-314.834	2.27	0.01	0.039	-0.841	-293.343	1
1064_1065	1064	1065	315.289	0.461	-0.01	-0.039	0.781	296.949	1
1065_1065	1065	1065	-315.289	-0.461	0.071	-0.057	-0.781	-296.949	1
1065_1066	1065	1066	314.37	3.192	-0.071	0.057	0.356	289.665	1
1066_1066	1066	1066	-314.372	-9.169	0.054	0.164	-0.356	-289.679	1
1066_1067	1066	1067	306.998	12.811	-0.054	-0.164	-0.079	231.212	1
1067_1067	1067	1067	-306.997	-12.811	0.1	0.108	0.079	-231.213	1
1067_1068	1067	1068	297.18	16.454	-0.1	-0.108	-0.879	153.376	1
1068_1068	1068	1068	-297.18	-16.454	0.097	0.11	0.879	-153.376	1
1068_1069	1068	1069	284.935	20.091	-0.097	-0.11	-1.657	56.298	1
1069_1069	1069	1069	-285.002	-24.67	-0.353	0.323	1.657	-56.32	1
1069_1070	1069	1070	267.824	28.197	0.353	-0.323	1.078	-79.877	1
1070_1070	1070	1070	-267.824	-28.197	-0.353	0.323	-1.078	79.877	1
1070_1071	1070	1071	248.353	31.725	0.353	-0.323	3.814	-234.251	1
1071_1071	1071	1071	-251.033	-31.745	-0.377	0.32	-4.395	252.079	1
1071_1072	1071	1072	224.28	36.068	0.377	-0.32	7.975	-466.476	1.01
1072_1072	1072	1072	138.986	91.541	0.449	-0.587	-1.686	2742.03	1.01
1072_1073	1072	1073	-123.052	-85.083	-0.449	0.503	-3.959	-1898.3	1.01
1073_1073	1073	1073	121.178	84.842	0.451	-0.331	3.925	1898.307	1.01
1073_1074	1073	1074	-89.725	-78.587	-0.451	0.255	-9.575	-1150.48	1.01
1074_1074	1074	1074	87.59	72.764	-0.263	-0.278	9.548	1150.494	1.01
1074_1075	1074	1075	-39.904	-66.4	0.263	0.314	-6.054	-503.907	1.03
1075_1075	1075	1075	44.606	65.474	-0.191	-0.16	4.434	470.998	1.03
1075_1076	1075	1076	15.431	-60.243	0.191	0.178	-2.188	2.83	1.03
1076_1076	1076	1076	-16.443	53.532	-0.04	-0.158	2.182	-2.84	1.03
1076_1077	1076	1077	55.414	-49.868	0.04	0.159	-1.854	272.161	1
1077_1077	1077	1077	-53.223	49.798	-0.052	-0.363	2.603	-269.571	1
1077_1078	1077	1078	111.669	-43.167	0.052	0.363	-1.827	707.959	1
1078_1078	1078	1078	-111.67	36.204	-0.033	-0.205	1.827	-707.974	1
1078_1079	1078	1079	143.817	-31.171	0.033	0.205	-1.46	949.093	1
1079_1079	1079	1079	-143.817	31.171	-0.03	-0.368	1.46	-949.092	1
1079_1080	1079	1080	171.181	-26.134	0.03	0.368	-1.121	1154.346	1
1080_1080	1080	1080	-171.185	18.498	-0.005	-0.085	1.121	-1154.38	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1080_1081	1080	1081	186.445	-13.461	0.005	0.085	-1.061	1268.847	1
1081_1081	1081	1081	-186.445	13.461	-0.003	-0.293	1.061	-1268.85	1
1081_1082	1081	1082	196.895	-8.425	0.003	0.293	-1.028	1347.227	1
1082_1082	1082	1082	-196.903	0.197	-0.012	0.172	1.028	-1347.28	1
1082_1083	1082	1083	194.328	5.215	0.012	-0.172	-0.881	1327.965	1
1083_1083	1083	1083	-194.328	-5.215	-0.008	-0.233	0.881	-1327.97	1
1083_1084	1083	1084	186.2	10.627	0.008	0.233	-0.789	1266.999	1
1084_1084	1084	1084	-186.206	-18.879	-0.013	0.318	0.789	-1267.04	1
1084_1085	1084	1085	165.777	23.915	0.013	-0.318	-0.641	1113.806	1
1085_1085	1085	1085	-165.777	-23.915	-0.008	-0.048	0.641	-1113.81	1
1085_1086	1085	1086	140.541	28.95	0.008	0.048	-0.548	924.519	1
1086_1086	1086	1086	-140.547	-36.646	-0.047	0.376	0.548	-924.544	1
1086_1087	1086	1087	103.156	41.682	0.047	-0.376	-0.017	644.082	1
1087_1087	1087	1087	-103.157	-41.682	-0.042	0.165	0.017	-644.085	1
1087_1088	1087	1088	60.961	46.717	0.042	-0.165	0.459	327.584	1
1088_1088	1088	1088	-60.949	-53.534	0.148	0.323	-0.459	-327.604	1
1088_1089	1088	1089	-7.638	59.912	-0.148	-0.323	-1.645	-186.851	1.08
1089_1089	1089	1089	7.46	-60.156	0.13	0.282	1.461	192.541	1.08
1089_1090	1089	1090	-48.66	63.857	-0.13	-0.279	-2.536	-534.987	1.08
1090_1090	1090	1090	49.909	-70.539	0.166	0.347	2.544	534.982	1.08
1090_1091	1090	1091	-108.184	75.869	-0.166	-0.332	-4.493	-1123.61	1.02
1091_1091	1091	1091	107.208	-76.207	0.211	0.31	5.676	1138.306	1.02
1091_1092	1091	1092	-151.641	82.532	-0.211	-0.281	-8.471	-1898.5	1.02
1092_1092	1092	1092	153.851	-87.644	-0.533	0.006	8.473	1898.504	1.02
1092_1093	1092	1093	-178.58	93.914	0.533	-0.094	-1.79	-2755.22	1.02
1093_1093	1093	1093	180.683	-94.048	-0.528	0.845	1.884	2755.218	1.02
1093_1094	1093	1094	-188.832	100.519	0.528	-0.943	4.75	-3710.05	1
1094_1094	1094	1094	-227.823	35.197	0.509	-0.307	-13.047	780.43	1
1094_1095	1094	1095	253.688	-30.999	-0.509	0.307	8.214	-569.346	1
1095_1095	1095	1095	-253.235	31.082	0.585	-0.35	-9.186	567.186	1
1095_1096	1095	1096	271.214	-27.648	-0.585	0.35	4.647	-411.437	1
1096_1096	1096	1096	-271.205	27.648	0.743	-0.138	-4.647	411.44	1
1096_1097	1096	1097	287.061	-24.219	-0.743	0.138	-1.104	-274.078	1
1097_1097	1097	1097	-287.099	19.87	-0.084	-0.112	1.104	274.075	1
1097_1098	1097	1098	298.536	-16.326	0.084	0.112	-0.429	-174.994	1
1098_1098	1098	1098	-298.536	16.326	-0.007	-0.068	0.429	174.995	1
1098_1099	1098	1099	307.734	-12.782	0.007	0.068	-0.372	-95.32	1
1099_1099	1099	1099	-307.734	12.782	-0.007	-0.068	0.372	95.32	1
1099_1100	1099	1100	314.691	-9.237	0.007	0.068	-0.315	-35.048	1
1100_1100	1100	1100	-314.678	3.737	0.336	0.015	0.315	35.045	1
1100_1101	1100	1101	315.82	-1.079	-0.336	-0.015	-2.333	-25.159	1
1101_1101	1101	1101	-315.82	1.079	0.334	0.015	2.333	25.159	1
1101_1102	1101	1102	315.702	1.575	-0.334	-0.015	-4.335	-26.176	1
1102_1102	1102	1102	-315.701	-1.575	-0.384	-0.047	4.335	26.175	1
1102_1103	1102	1103	314.324	4.234	0.384	0.047	-2.032	-38.102	1
1103_1103	1103	1103	-314.327	-4.234	-0.281	-0.034	2.032	38.103	1
1103_1104	1103	1104	311.69	6.892	0.281	0.034	-0.346	-60.949	1
1104_1104	1104	1104	-311.688	-12.384	-0.008	0.035	0.346	60.948	1
1104_1105	1104	1105	302.753	15.925	0.008	-0.035	-0.282	-138.356	1
1105_1105	1105	1105	-302.753	-15.925	0.072	0.071	0.282	138.356	1
1105_1106	1105	1106	291.567	19.47	-0.072	-0.071	-0.854	-235.256	1
1106_1106	1106	1106	-291.567	-19.47	0.072	0.071	0.854	235.256	1
1106_1107	1106	1107	278.141	23.015	-0.072	-0.071	-1.427	-351.564	1
1107_1107	1107	1107	-278.157	-27.426	-0.598	0.217	1.427	351.563	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1107_1108	1107	1108	260.338	30.856	0.598	-0.217	3.205	-505.929	1
1108_1108	1108	1108	-260.338	-30.856	-0.596	0.221	-3.205	505.929	1
1108_1109	1108	1109	240.395	34.29	0.596	-0.221	7.826	-678.696	1
1109_1109	1109	1109	-241.007	-34.205	-0.485	0.289	-7.122	681.616	1
1109_1110	1109	1110	212.725	38.404	0.485	-0.289	11.733	-913.507	1.01
1110_1110	1110	1110	195.574	98.703	0.498	-0.977	-3.277	3870.508	1.01
1110_1111	1110	1111	-190.706	-92.201	-0.498	0.886	-2.982	-2925.65	1.01
1111_1111	1111	1111	188.638	92.054	0.504	-0.047	2.88	2925.652	1.01
1111_1112	1111	1112	-168.025	-85.748	-0.504	-0.036	-9.193	-2078.74	1.01
1112_1112	1112	1112	165.801	80.76	-0.266	-0.376	9.198	2078.781	1.01
1112_1113	1112	1113	-126.081	-74.399	0.266	0.413	-5.669	-1327.85	1.03
1113_1113	1113	1113	127.492	74.087	-0.208	-0.223	4.481	1311.004	1.03
1113_1114	1113	1114	-72.928	-68.827	0.208	0.241	-2.039	-732.007	1.03
1114_1114	1114	1114	71.719	62.503	-0.082	-0.424	2.035	732.018	1.03
1114_1115	1114	1115	-32.103	-58.862	0.082	0.426	-1.357	-395.524	1.11
1115_1115	1115	1115	37.269	58.307	-0.064	-0.179	1.127	357.009	1.11
1115_1116	1115	1116	37.701	-51.849	0.064	0.179	-0.186	135.215	1
1116_1116	1116	1116	-37.701	45.082	-0.01	-0.147	0.186	-135.214	1
1116_1117	1116	1117	81.89	-40.163	0.01	0.147	-0.076	425.34	1
1117_1117	1117	1117	-81.889	40.163	-0.008	-0.196	0.076	-425.339	1
1117_1118	1117	1118	120.977	-35.244	0.008	0.196	0.012	681.977	1
1118_1118	1118	1118	-120.977	27.777	-0.005	0	-0.012	-681.977	1
1118_1119	1118	1119	147.245	-22.853	0.005	0	0.071	854.442	1
1119_1119	1119	1119	-147.245	22.853	-0.001	-0.197	-0.071	-854.441	1
1119_1120	1119	1120	168.387	-17.935	0.001	0.197	0.087	993.253	1
1120_1120	1120	1120	-168.388	9.858	-0.002	0.07	-0.087	-993.255	1
1120_1121	1120	1121	176.429	-4.567	0.002	-0.07	0.116	1046.054	1
1121_1121	1121	1121	-176.429	4.567	-0.001	-0.041	-0.116	-1046.05	1
1121_1122	1121	1122	178.573	0.719	0.001	0.041	0.124	1060.129	1
1122_1122	1122	1122	-178.573	-8.871	-0.01	0.179	-0.124	-1060.13	1
1122_1123	1122	1123	166.815	13.794	0.01	-0.179	0.242	982.927	1
1123_1123	1123	1123	-166.815	-13.794	-0.009	0.066	-0.242	-982.928	1
1123_1124	1123	1124	149.966	18.713	0.009	-0.066	0.338	872.304	1
1124_1124	1124	1124	-149.966	-26.168	-0.006	0.279	-0.338	-872.305	1
1124_1125	1124	1125	120.262	31.091	0.006	-0.279	0.405	677.278	1
1125_1125	1125	1125	-120.263	-31.091	-0.002	0.123	-0.405	-677.281	1
1125_1126	1125	1126	85.485	36.009	0.002	-0.123	0.429	448.94	1
1126_1126	1126	1126	-85.484	-42.617	0.078	0.23	-0.429	-448.942	1
1126_1127	1126	1127	26.786	48.716	-0.078	-0.23	-0.654	63.55	1
1127_1127	1127	1127	-26.861	-48.867	0.072	0.141	0.589	-68.809	1
1127_1128	1127	1128	-12.211	52.46	-0.072	-0.14	-1.181	-190.115	1
1128_1128	1128	1128	13.219	-58.952	0.155	0.107	1.184	190.112	1
1128_1129	1128	1129	-71.924	64.096	-0.155	-0.092	-3.002	-647.681	1.07
1129_1129	1129	1129	64.366	-65.032	0.195	0.398	3.709	696.471	1.07
1129_1130	1129	1130	-108.956	71.363	-0.195	-0.372	-6.295	-1328.99	1.04
1130_1130	1130	1130	110.908	-76.495	-0.512	0.174	6.303	1328.981	1.04
1130_1131	1130	1131	-138.635	82.739	0.512	-0.259	0.109	-2057.83	1.03
1131_1131	1131	1131	140.455	-82.998	-0.51	0.564	-0.076	2057.823	1.03
1131_1132	1131	1132	-152.863	89.448	0.51	-0.658	6.487	-2883	1.03
1132_1132	1132	1132	-215.933	35.469	0.976	0.048	-14.566	539.369	1.03
1132_1133	1132	1133	243.205	-31.207	-0.976	-0.048	5.292	-331.747	1
1133_1133	1133	1133	-230.193	31.081	0.842	-0.175	-4.802	268.303	1
1133_1134	1133	1134	250.877	-27.618	-0.842	0.175	-1.726	-123.582	1
1134_1134	1134	1134	-250.954	27.618	0.323	-0.406	1.726	123.544	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1134_1135	1134	1135	269.2	-24.154	-0.323	0.406	-4.227	4.117	1
1135_1135	1135	1135	-269.154	19.988	-0.077	-0.074	4.227	-4.073	1
1135_1136	1135	1136	282.397	-16.413	0.077	0.074	-3.609	96.733	1
1136_1136	1136	1136	-282.396	16.413	-0.119	-0.06	3.609	-96.734	1
1136_1137	1136	1137	293.038	-12.837	0.119	0.06	-2.657	171.193	1
1137_1137	1137	1137	-293.039	12.837	-0.077	-0.085	2.657	-171.192	1
1137_1138	1137	1138	301.079	-9.262	0.077	0.085	-2.04	227.446	1
1138_1138	1138	1138	-301.088	3.317	-0.063	0.018	2.04	-227.437	1
1138_1139	1138	1139	302.166	-0.64	0.063	-0.018	-1.662	234.978	1
1139_1139	1139	1139	-302.167	0.64	-0.006	-0.03	1.662	-234.978	1
1139_1140	1139	1140	301.784	2.042	0.006	0.03	-1.627	232.302	1
1140_1140	1140	1140	-301.784	-2.042	-0.006	-0.03	1.627	-232.302	1
1140_1141	1140	1141	299.938	4.723	0.006	0.03	-1.592	219.386	1
1141_1141	1141	1141	-299.938	-4.723	-0.062	0.014	1.592	-219.386	1
1141_1142	1141	1142	296.628	7.405	0.062	-0.014	-1.221	196.231	1
1142_1142	1142	1142	-296.63	-13.258	0.014	0.044	1.221	-196.219	1
1142_1143	1142	1143	285.682	16.834	-0.014	-0.044	-1.335	119.619	1
1143_1143	1143	1143	-285.682	-16.834	0.014	0.044	1.335	-119.619	1
1143_1144	1143	1144	272.133	20.409	-0.014	-0.044	-1.45	24.816	1
1144_1144	1144	1144	-272.133	-20.409	-0.028	0.048	1.45	-24.816	1
1144_1145	1144	1145	255.982	23.985	0.028	-0.048	-1.229	-88.193	1
1145_1145	1145	1145	-255.914	-28.438	-0.399	0.179	1.229	88.214	1
1145_1146	1145	1146	234.676	31.897	0.399	-0.179	1.858	-236.812	1
1146_1146	1146	1146	-234.676	-31.897	-0.398	0.18	-1.858	236.812	1
1146_1147	1146	1147	210.971	35.361	0.398	-0.18	4.943	-402.674	1
1147_1147	1147	1147	-223.872	-35.49	-0.4	0.209	-5.253	465.545	1
1147_1148	1147	1148	192.907	39.751	0.4	-0.209	9.053	-699.149	1
1148_1148	1148	1148	162.252	86.525	0.309	-0.62	-2.348	3075.004	1
1148_1149	1148	1149	-154.613	-80.033	-0.309	0.562	-1.541	-2270.65	1
1149_1149	1149	1149	152.854	79.687	0.311	-0.276	1.506	2270.652	1
1149_1150	1149	1150	-131.089	-73.399	-0.311	0.223	-5.407	-1562.37	1
1150_1150	1150	1150	129.256	67.587	-0.158	-0.318	5.394	1562.409	1
1150_1151	1150	1151	-92.352	-61.217	0.158	0.34	-3.301	-956.978	1
1151_1151	1151	1151	103.193	60.254	-0.127	-0.127	2.672	890.998	1
1151_1152	1151	1152	-51.474	-54.835	0.127	0.139	-1.182	-458.224	1
1152_1152	1152	1152	50.516	48.227	-0.061	-0.132	1.177	458.231	1
1152_1153	1152	1153	-15.538	-44.458	0.061	0.133	-0.677	-220.508	1
1153_1153	1153	1153	17.255	44.067	-0.051	-0.094	0.575	210.23	1
1153_1154	1153	1154	39.662	-37.814	0.051	0.094	0.128	124.741	1
1154_1154	1154	1154	-39.668	31.274	-0.011	-0.056	-0.128	-124.732	1
1154_1155	1154	1155	71.691	-26.268	0.011	0.056	0.251	313.192	1
1155_1155	1155	1155	-71.691	26.268	-0.01	-0.076	-0.251	-313.191	1
1155_1156	1155	1156	98.141	-21.262	0.01	0.076	0.357	468.858	1
1156_1156	1156	1156	-98.141	14.516	0.004	0.005	-0.357	-468.844	1
1156_1157	1156	1157	110.547	-9.956	-0.004	-0.005	0.32	541.856	1
1157_1157	1157	1157	-110.547	9.956	0.005	-0.032	-0.32	-541.856	1
1157_1158	1157	1158	118.324	-5.401	-0.005	0.032	0.265	587.625	1
1158_1158	1158	1158	-118.32	-1.132	-0.007	0.051	-0.265	-587.613	1
1158_1159	1158	1159	114.861	5.692	0.007	-0.051	0.33	567.255	1
1159_1159	1159	1159	-114.861	-5.692	-0.005	0.012	-0.33	-567.255	1
1159_1160	1159	1160	106.789	10.247	0.005	-0.012	0.377	519.75	1
1160_1160	1160	1160	-106.791	-16.902	0.014	0.081	-0.377	-519.739	1
1160_1161	1160	1161	85.193	21.908	-0.014	-0.081	0.227	392.628	1
1161_1161	1161	1161	-85.193	-21.908	0.014	0.081	-0.227	-392.628	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1161_1162	1161	1162	58.023	26.914	-0.014	-0.081	0.078	232.725	1
1162_1162	1162	1162	-58.029	-33.281	0.05	0.099	-0.078	-232.718	1
1162_1163	1162	1163	7.414	39.534	-0.05	-0.099	-0.603	-65.167	1
1163_1163	1163	1163	-7.767	-39.938	0.054	0.129	0.661	68.565	1
1163_1164	1163	1164	-24.54	43.702	-0.054	-0.128	-1.105	-280.994	1
1164_1164	1164	1164	25.395	-50.292	0.12	0.145	1.109	281.001	1
1164_1165	1164	1165	-75.222	55.681	-0.12	-0.133	-2.517	-673.971	1
1165_1165	1165	1165	70.675	-56.438	0.134	0.178	2.819	705.307	1
1165_1166	1165	1166	-109.965	63.043	-0.134	-0.159	-4.596	-1247.92	1
1166_1166	1166	1166	111.827	-68.904	-0.256	0.158	4.61	1247.956	1
1166_1167	1166	1167	-137.008	75.413	0.256	-0.202	-1.406	-1895.22	1
1167_1167	1167	1167	138.647	-75.791	-0.254	0.39	1.432	1895.218	1
1167_1168	1167	1168	-149.679	82.519	0.254	-0.439	1.76	-2639.31	1
1168_1168	1168	1168	-184.009	40.623	0.308	-0.222	-6.997	555.533	1
1168_1169	1168	1169	217.403	-36.16	-0.308	0.222	4.072	-324.308	1
1169_1169	1169	1169	-206.065	36.055	0.26	-0.223	-3.315	269.083	1
1169_1170	1169	1170	231.271	-32.424	-0.26	0.223	1.298	-104.495	1
1170_1170	1170	1170	-231.271	32.424	0.26	-0.223	-1.298	104.495	1
1170_1171	1170	1171	253.804	-28.793	-0.26	0.223	-0.718	42.64	1
1171_1171	1171	1171	-253.744	24.046	0.022	-0.078	0.718	-42.612	1
1171_1172	1171	1172	270.593	-20.298	-0.022	0.078	-0.893	152.628	1
1172_1172	1172	1172	-270.593	20.298	-0.008	-0.056	0.893	-152.629	1
1172_1173	1172	1173	284.578	-16.555	0.008	0.056	-0.83	243.947	1
1173_1173	1173	1173	-284.578	16.555	0.022	-0.091	0.83	-243.946	1
1173_1174	1173	1174	295.734	-12.807	-0.022	0.091	-1.005	316.791	1
1174_1174	1174	1174	-295.73	6.603	0.013	-0.022	1.005	-316.779	1
1174_1175	1174	1175	298.692	-3.792	-0.013	0.022	-1.083	336.121	1
1175_1175	1175	1175	-298.692	3.792	-0.026	0.041	1.083	-336.121	1
1175_1176	1175	1176	300.052	-0.981	0.026	-0.041	-0.928	345.003	1
1176_1176	1176	1176	-300.052	0.981	0.013	-0.024	0.928	-345.003	1
1176_1177	1176	1177	299.811	1.83	-0.013	0.024	-1.006	343.423	1
1177_1177	1177	1177	-299.811	-1.83	0.013	-0.024	1.006	-343.423	1
1177_1178	1177	1178	297.967	4.641	-0.013	0.024	-1.085	331.383	1
1178_1178	1178	1178	-297.965	-10.816	-0.015	0.086	1.085	-331.371	1
1178_1179	1178	1179	288.336	14.559	0.015	-0.086	-0.966	268.493	1
1179_1179	1179	1179	-288.336	-14.559	0.015	0.047	0.966	-268.494	1
1179_1180	1179	1180	275.848	18.307	-0.015	-0.047	-1.084	186.954	1
1180_1180	1180	1180	-275.848	-18.307	0.015	0.047	1.084	-186.954	1
1180_1181	1180	1181	260.513	22.055	-0.015	-0.047	-1.203	86.817	1
1181_1181	1181	1181	-260.447	-26.705	-0.293	0.22	1.203	-86.787	1
1181_1182	1181	1182	239.451	30.336	0.293	-0.22	1.068	-50.312	1
1182_1182	1182	1182	-239.451	-30.336	-0.293	0.22	-1.068	50.312	1
1182_1183	1182	1183	215.782	33.967	0.293	-0.22	3.339	-204.864	1
1183_1183	1183	1183	-225.383	-34.043	-0.35	0.183	-3.867	251.626	1
1183_1184	1183	1184	193.551	38.503	0.35	-0.183	7.196	-468.968	1.02
1184_1184	1184	1184	145.172	84.107	0.278	-0.284	-1.504	2524.176	1.02
1184_1185	1184	1185	-131.241	-77.413	-0.278	0.23	-1.983	-1774.39	1.03
1185_1185	1185	1185	129.562	77.034	0.276	-0.482	1.99	1774.388	1.03
1185_1186	1185	1186	-100.588	-70.561	-0.276	0.433	-5.449	-1120.54	1.04
1186_1186	1186	1186	98.865	64.468	-0.147	-0.189	5.415	1120.586	1.04
1186_1187	1186	1187	-55.3	-57.902	0.147	0.21	-3.462	-572.644	1.08
1187_1187	1187	1187	58.872	57.119	-0.132	-0.164	3.089	546.423	1.08
1187_1188	1187	1188	-5.625	-51.507	0.132	0.177	-1.54	-148.658	1.08
1188_1188	1188	1188	4.73	44.562	-0.065	-0.163	1.534	148.667	1.08

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1188_1189	1188	1189	28.859	-40.634	0.065	0.164	-0.998	65.57	1
1189_1189	1189	1189	-29.217	40.411	-0.061	-0.139	0.927	-69.726	1
1189_1190	1189	1190	79.566	-33.828	0.061	0.139	-0.083	386.302	1
1190_1190	1190	1190	-79.573	27.14	-0.019	-0.135	0.083	-386.291	1
1190_1191	1190	1191	106.165	-21.873	0.019	0.135	0.129	553.491	1
1191_1191	1191	1191	-106.165	21.873	-0.021	-0.097	-0.129	-553.493	1
1191_1192	1191	1192	127.042	-16.606	0.021	0.097	0.358	684.763	1
1192_1192	1192	1192	-127.04	9.54	-0.011	-0.006	-0.358	-684.737	1
1192_1193	1192	1193	134.141	-4.7	0.011	0.006	0.466	729.384	1
1193_1193	1193	1193	-134.141	4.7	-0.009	-0.06	-0.466	-729.384	1
1193_1194	1193	1194	136.414	0.141	0.009	0.06	0.555	743.677	1
1194_1194	1194	1194	-136.412	-6.894	-0.009	0.043	-0.555	-743.662	1
1194_1195	1194	1195	127.123	11.735	0.009	-0.043	0.648	685.253	1
1195_1195	1195	1195	-127.123	-11.735	-0.009	0.043	-0.648	-685.253	1
1195_1196	1195	1196	113.006	16.575	0.009	-0.043	0.74	596.49	1
1196_1196	1196	1196	-113.009	-23.535	0.023	0.1	-0.74	-596.458	1
1196_1197	1196	1197	84.614	28.802	-0.023	-0.1	0.487	417.918	1
1197_1197	1197	1197	-84.614	-28.802	0.021	0.13	-0.487	-417.916	1
1197_1198	1197	1198	50.537	34.063	-0.021	-0.13	0.253	203.651	1
1198_1198	1198	1198	-50.547	-40.694	0.062	0.145	-0.253	-203.644	1
1198_1199	1198	1199	-9.115	47.277	-0.062	-0.145	-0.598	-171.49	1.03
1199_1199	1199	1199	9.012	-47.601	0.066	0.193	0.647	171.485	1.03
1199_1200	1199	1200	-46.629	51.539	-0.066	-0.191	-1.194	-420.152	1.03
1200_1200	1200	1200	47.628	-58.269	0.134	0.239	1.201	420.169	1.03
1200_1201	1200	1201	-103.511	63.866	-0.134	-0.225	-2.777	-868.9	1.03
1201_1201	1201	1201	93.704	-64.735	0.204	0.31	4.237	932.653	1.03
1201_1202	1201	1202	-135.062	71.629	-0.204	-0.277	-6.942	-1558.82	1.02
1202_1202	1202	1202	137.213	-77.716	-0.462	0.46	6.983	1558.907	1.02
1202_1203	1202	1203	-162.951	84.514	0.462	-0.551	-1.194	-2293.57	1.01
1203_1203	1203	1203	164.795	-84.742	-0.462	0.538	1.209	2293.567	1.01
1203_1204	1203	1204	-175.468	91.782	0.462	-0.64	4.594	-3127.36	1.01
1204_1204	1204	1204	-204.064	41.324	0.558	-0.358	-13.985	676.959	1.01
1204_1205	1204	1205	236.396	-36.61	-0.558	0.358	8.683	-439.989	1
1205_1205	1205	1205	-227.422	36.531	0.479	-0.421	-7.853	367.689	1
1205_1206	1205	1206	251.509	-32.698	-0.479	0.421	4.141	-196.061	1
1206_1206	1206	1206	-251.509	32.698	0.48	-0.421	-4.141	196.062	1
1206_1207	1206	1207	272.954	-28.861	-0.48	0.421	0.417	-43.253	1
1207_1207	1207	1207	-272.857	23.855	0.021	-0.108	-0.417	43.325	1
1207_1208	1207	1208	288.589	-19.893	-0.021	0.108	0.251	68.777	1
1208_1208	1208	1208	-288.589	19.893	0.067	-0.118	-0.251	-68.775	1
1208_1209	1208	1209	301.472	-15.932	-0.067	0.118	-0.288	160.573	1
1209_1209	1209	1209	-301.472	15.932	0.067	-0.118	0.288	-160.573	1
1209_1210	1209	1210	311.506	-11.971	-0.067	0.118	-0.828	232.069	1
1210_1210	1210	1210	-311.498	5.441	-0.018	0.028	0.828	-232.047	1
1210_1211	1210	1211	313.632	-2.47	0.018	-0.028	-0.723	247.249	1
1211_1211	1211	1211	-313.631	2.47	0.045	-0.02	0.723	-247.249	1
1211_1212	1211	1212	314.162	0.501	-0.045	0.02	-0.991	251.031	1
1212_1212	1212	1212	-314.162	-0.501	0.043	-0.019	0.991	-251.031	1
1212_1213	1212	1213	313.094	3.468	-0.043	0.019	-1.251	243.416	1
1213_1213	1213	1213	-313.094	-3.468	-0.018	0.027	1.251	-243.416	1
1213_1214	1213	1214	310.422	6.439	0.018	-0.027	-1.146	224.378	1
1214_1214	1214	1214	-310.409	-13.035	0	0.115	1.146	-224.35	1
1214_1215	1214	1215	299.61	16.996	0	-0.115	-1.145	147.4	1
1215_1215	1215	1215	-299.61	-16.996	-0.047	0.136	1.145	-147.398	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1215_1216	1215	1216	285.961	20.957	0.047	-0.136	-0.77	50.145	1
1216_1216	1216	1216	-285.961	-20.957	0	0.129	0.77	-50.146	1
1216_1217	1216	1217	269.464	24.919	0	-0.129	-0.769	-67.406	1
1217_1217	1217	1217	-269.37	-29.868	-0.449	0.398	0.769	67.469	1
1217_1218	1217	1218	247.223	33.706	0.449	-0.398	2.71	-225.28	1
1218_1218	1218	1218	-247.223	-33.706	-0.45	0.397	-2.71	225.28	1
1218_1219	1218	1219	222.435	37.538	0.45	-0.397	6.191	-401.902	1
1219_1219	1219	1219	-229.315	-37.59	-0.437	0.429	-6.371	463.192	1
1219_1220	1219	1220	195.802	42.3	0.437	-0.429	10.524	-704.582	1
1220_1220	1220	1220	190.74	95.391	0.472	-1.476	-1.613	3199.255	1
1220_1221	1220	1221	-178.462	-88.345	-0.472	1.369	-4.318	-2335.84	1
1221_1221	1221	1221	176.57	88.388	0.481	0.233	4.14	2335.871	1
1221_1222	1221	1222	-147.932	-81.6	-0.481	-0.329	-10.166	-1571.02	1.01
1222_1222	1222	1222	145.991	77.057	-0.204	-0.368	10.192	1570.911	1.01
1222_1223	1222	1223	-98.577	-70.184	0.204	0.401	-7.484	-900.68	1.01
1223_1223	1223	1223	107.575	69.542	-0.129	-0.019	4.886	840.615	1.01
1223_1224	1223	1224	-44.636	-63.624	0.129	0.033	-3.367	-356.132	1.03
1224_1224	1224	1224	43.521	56.214	-0.087	-0.085	3.365	356.126	1.03
1224_1225	1224	1225	-1.685	-52.035	0.087	0.088	-2.648	-86.834	1
1225_1225	1225	1225	0.143	52.098	-0.09	-0.123	2.889	92.284	1
1225_1226	1225	1226	71.599	-43.693	0.09	0.123	-1.409	406.713	1
1226_1226	1226	1226	-71.601	35.63	-0.037	0.16	1.409	-406.635	1
1226_1227	1226	1227	108.175	-29.31	0.037	-0.16	-0.954	661.023	1
1227_1227	1227	1227	-108.176	29.31	-0.03	-0.268	0.954	-661.021	1
1227_1228	1227	1228	137.611	-22.995	0.03	0.268	-0.579	865.756	1
1228_1228	1228	1228	-137.584	14.083	-0.009	0.292	0.579	-865.519	1
1228_1229	1228	1229	149.888	-7.763	0.009	-0.292	-0.468	951.104	1
1229_1229	1229	1229	-149.889	7.763	-0.005	-0.119	0.468	-951.106	1
1229_1230	1229	1230	155.073	-1.448	0.005	0.119	-0.411	987.162	1
1230_1230	1230	1230	-155.051	-7.241	0.078	0.347	0.411	-986.782	1
1230_1231	1230	1231	143.345	13.557	-0.078	-0.347	-1.368	905.361	1
1231_1231	1231	1231	-143.343	-13.557	0.082	-0.046	1.368	-905.364	1
1231_1232	1231	1232	124.543	19.868	-0.082	0.046	-2.378	774.603	1
1232_1232	1232	1232	-124.515	-28.06	0.11	0.414	2.378	-774.358	1
1232_1233	1232	1233	96.917	33.122	-0.11	-0.414	-3.463	582.397	1
1233_1233	1233	1233	-96.914	-33.122	0.114	0.167	3.463	-582.404	1
1233_1234	1233	1234	59.142	38.999	-0.114	-0.167	-4.77	319.683	1.03
1234_1234	1234	1234	-58.549	-39.203	0.196	-0.046	7.792	-321.74	1.03
1234_1235	1234	1235	47.08	40.809	-0.196	0.047	-8.408	241.744	1.03
1235_1235	1235	1235	-46.046	-47.442	-0.285	0.16	8.42	-241.575	1.03
1235_1236	1235	1236	14.479	51.208	0.285	-0.176	-6.382	17.987	1.03
1236_1236	1236	1236	-14.603	-51.157	-0.281	0.187	6.381	-17.993	1.03
1236_1237	1236	1237	-27.316	56.318	0.281	-0.206	-3.652	-318.491	1.03
1237_1237	1237	1237	21.734	-57.257	-0.424	0.428	5.644	354.82	1.03
1237_1238	1237	1238	-37.807	59.882	0.424	-0.449	-3.62	-553.916	1.01
1238_1238	1238	1238	38.83	-68.375	0.259	-0.364	3.571	553.59	1.01
1238_1239	1238	1239	-73.926	74.352	-0.259	0.401	-6.352	-1108.78	1.01
1239_1239	1239	1239	75.344	-74.435	0.269	0.114	6.407	1108.774	1.01
1239_1240	1239	1240	-100.328	80.677	-0.269	-0.066	-9.35	-1742.78	1.01
1240_1240	1240	1240	103.388	-89.383	-1.353	0.952	9.491	1742.728	1.01
1240_1241	1240	1241	-123.519	96.302	1.353	-1.244	6.593	-2585.06	1
1241_1241	1241	1241	-209.395	53.135	-0.481	-1.518	-5.45	539.507	1
1241_1242	1241	1242	246.142	-47.995	0.481	1.518	10.021	-205.966	1
1242_1242	1242	1242	-243.064	47.956	-0.391	-1.395	-9.458	191.107	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1242_1243	1242	1243	254.61	-46.246	0.391	1.395	10.697	-88.236	1
1243_1243	1243	1243	-254.805	36.725	0.346	-0.6	-10.697	88.533	1
1243_1244	1243	1244	279.24	-31.746	-0.346	0.6	7.507	129.176	1
1244_1244	1244	1244	-279.232	31.746	0.531	-0.684	-7.507	-129.165	1
1244_1245	1244	1245	302.559	-26.122	-0.531	0.684	1.981	336.997	1
1245_1245	1245	1245	-302.256	20.709	-0.139	-0.117	-1.981	-336.727	1
1245_1246	1245	1246	315.905	-15.441	0.139	0.117	3.332	458.338	1
1246_1246	1246	1246	-315.905	15.441	0.044	-0.412	-3.332	-458.333	1
1246_1247	1246	1247	325.68	-10.102	-0.044	0.412	2.898	545.427	1
1247_1247	1247	1247	-325.59	3.499	0.062	0.263	-2.898	-545.096	1
1247_1248	1247	1248	326.325	1.408	-0.062	-0.263	2.336	551.649	1
1248_1248	1248	1248	-326.324	-1.408	0.173	0.047	-2.336	-551.65	1
1248_1249	1248	1249	322.852	7.102	-0.173	-0.047	0.514	520.711	1
1249_1249	1249	1249	-322.578	-12.7	-0.585	0.602	-0.514	-520.463	1
1249_1250	1249	1250	310.171	18.287	0.585	-0.602	6.561	409.92	1
1250_1250	1250	1250	-310.181	-18.287	-0.358	0.274	-6.561	-409.928	1
1250_1251	1250	1251	295.219	23.306	0.358	-0.274	9.888	276.621	1
1251_1251	1251	1251	-295.312	-34.677	0.18	0.143	-9.888	-276.623	1
1251_1252	1251	1252	265.946	40.153	-0.18	-0.143	8.067	14.983	1
1252_1252	1252	1252	-265.942	-40.153	0.351	0.133	-8.067	-14.985	1
1252_1253	1252	1253	228.451	46.21	-0.351	-0.133	4.128	-319.052	1
1253_1253	1253	1253	-229.229	-46.198	0.301	0.094	-3.993	322.801	1
1253_1254	1253	1254	217.66	47.905	-0.301	-0.094	3.042	-425.241	1
1254_1254	1254	1254	-217.591	-56.221	0.236	0.358	-3.042	425.208	1
1254_1255	1254	1255	189.046	59.643	-0.236	-0.358	1.546	-677.964	1.01
1255_1255	1255	1255	141.751	91.918	0.408	-0.594	8.782	2763.506	1.01
1255_1256	1255	1256	-131.884	-87.159	-0.408	0.532	-12.086	-2204.77	1.01
1256_1256	1256	1256	130.729	87.259	0.411	0.166	11.979	2204.782	1.01
1256_1257	1256	1257	-117.532	-83.056	-0.411	-0.219	-14.964	-1737.02	1.02
1257_1257	1257	1257	115.526	71.152	-0.186	-0.679	15.02	1736.779	1.02
1257_1258	1257	1258	-95.202	-65.244	0.186	0.709	-13.088	-1207.66	1.03
1258_1258	1258	1258	93.89	65.42	-0.181	-0.296	13.018	1207.68	1.03
1258_1259	1258	1259	-57.289	-58.406	0.181	0.324	-10.733	-641.171	1.05
1259_1259	1259	1259	67.021	53.714	-0.014	-0.149	6.915	581.197	1.05
1259_1260	1259	1260	-25.746	-47.897	0.014	0.15	-6.762	-233.051	1.05
1260_1260	1260	1260	24.952	47.874	-0.012	-0.205	6.754	233.058	1.05
1260_1261	1260	1261	13.224	-42.649	0.012	0.206	-6.643	38.793	1
1261_1261	1261	1261	-13.547	42.392	-0.008	-0.279	5.027	-35.742	1
1261_1262	1261	1262	25.998	-40.637	0.008	0.279	-5	114.269	1
1262_1262	1262	1262	-25.961	31.059	-0.154	0.057	5	-114.188	1
1262_1263	1262	1263	55.409	-24.898	0.154	-0.057	-3.293	299.914	1
1263_1263	1263	1263	-55.413	24.898	-0.15	-0.053	3.293	-299.914	1
1263_1264	1263	1264	79.813	-18.283	0.15	0.053	-1.498	453.802	1
1264_1264	1264	1264	-79.825	9.671	-0.008	0.157	1.498	-453.753	1
1264_1265	1264	1265	86.909	-3.254	0.008	-0.157	-1.405	498.433	1
1265_1265	1265	1265	-86.91	3.254	-0.005	-0.032	1.405	-498.435	1
1265_1266	1265	1266	86.989	3.109	0.005	0.032	-1.351	498.932	1
1266_1266	1266	1266	-86.986	-11.663	0.027	0.158	1.351	-498.909	1
1266_1267	1266	1267	70.51	18.136	-0.027	-0.158	-1.671	394.994	1
1267_1267	1267	1267	-70.51	-18.136	0.03	0.055	1.671	-394.996	1
1267_1268	1267	1268	47.593	24.438	-0.03	-0.055	-2.008	250.462	1
1268_1268	1268	1268	-47.593	-32.918	0.025	0.169	2.008	-250.467	1
1268_1269	1268	1269	2.445	40.151	-0.025	-0.169	-2.328	-34.271	1
1269_1269	1269	1269	-2.446	-40.151	0.027	0.181	2.328	34.266	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1269_1270	1269	1270	-44.534	46.498	-0.027	-0.181	-2.642	-330.563	1
1270_1270	1270	1270	44.533	-52.843	-0.054	0.14	2.642	330.557	1
1270_1271	1270	1271	-92.602	57.923	0.054	-0.14	-2.148	-633.721	1
1271_1271	1271	1271	92.6	-57.923	-0.052	0.31	2.148	633.715	1
1271_1272	1271	1272	-157.069	64.108	0.052	-0.31	-1.572	-1040.32	1.07
1272_1272	1272	1272	146.416	-64.243	-0.067	0.75	2.147	1133.433	1.07
1272_1273	1272	1273	-169.316	66.564	0.067	-0.751	-1.867	-1311.94	1.07
1273_1273	1273	1273	170.176	-75.777	0.119	-0.495	1.85	1312.08	1.07
1273_1274	1273	1274	-216.122	80.218	-0.119	0.5	-2.797	-1726.63	1.04
1274_1274	1274	1274	217.196	-79.452	0.121	-0.227	2.8	1726.635	1.04
1274_1275	1274	1275	-253.844	83.938	-0.121	0.236	-3.753	-2172.31	1.03
1275_1275	1275	1275	222.676	-84.818	0.193	1.338	5.874	2364.644	1.03
1275_1276	1275	1276	-235.719	87.3	-0.193	-1.33	-6.682	-2636.35	1.03
1276_1276	1276	1276	237.11	-91.043	-1.521	-2.212	6.46	2636.494	1.03
1276_1277	1276	1277	-262.723	98.379	1.521	1.982	11.425	-3496.66	1.02
1277_1277	1277	1277	264.82	-97.647	-1.514	1.031	-11.207	3496.683	1.02
1277_1278	1277	1278	-272.588	105.953	1.514	-1.342	30.565	-4534.63	1.02
1278_1278	1278	1278	275.293	-111.859	0.763	-2.271	-31.056	4534.675	1.02
1278_1279	1278	1279	-274.072	118.246	-0.763	2.402	23.713	-5430.86	1
1279_1279	1279	1279	-182.343	71.374	0.221	1.009	-24.04	1740.481	1
1279_1280	1279	1280	232.525	-65.925	-0.221	-1.009	21.94	-1284.47	1
1280_1280	1280	1280	-215.205	65.806	0.24	1.02	-19.913	1221.089	1
1280_1281	1280	1281	242.773	-62.703	-0.24	-1.02	18.612	-983.083	1
1281_1281	1281	1281	-284.572	56.148	0.573	-0.688	-35.038	1175.296	1
1281_1282	1281	1282	329.211	-50.633	-0.573	0.688	27.961	-693.973	1
1282_1282	1282	1282	-329.204	50.633	0.972	-0.112	-27.961	693.978	1
1282_1283	1282	1283	368.57	-45.215	-0.972	0.112	16.154	-269.517	1
1283_1283	1283	1283	-368.569	28.983	-0.311	-0.015	-16.154	269.519	1
1283_1284	1283	1284	390.57	-23.448	0.311	0.015	20.007	-32.294	1
1284_1284	1284	1284	-390.571	23.448	0.123	0.014	-20.007	32.294	1
1284_1285	1284	1285	405.887	-18.648	-0.123	-0.014	18.679	132.859	1
1285_1285	1285	1285	-405.892	7.292	0.656	-0.044	-18.679	-132.854	1
1285_1286	1285	1286	409.522	-2.299	-0.656	0.044	11.338	171.996	1
1286_1286	1286	1286	-409.514	2.299	1.057	-0.187	-11.338	-171.994	1
1286_1287	1286	1287	409.499	2.343	-1.057	0.187	0.345	171.828	1
1287_1287	1287	1287	-409.536	-15.262	-1.237	-0.047	-0.345	-171.832	1
1287_1288	1287	1288	393.425	21.106	1.237	0.047	16.543	-1.886	1
1288_1288	1288	1288	-393.435	-21.106	-0.777	-0.045	-16.543	1.887	1
1288_1289	1288	1289	375.512	26.113	0.777	0.045	25.259	-195.143	1
1289_1289	1289	1289	-375.487	-36.484	1.748	1.458	-25.259	195.116	1
1289_1290	1289	1290	365.361	38.271	-1.748	-1.458	18.257	-304.298	1
1290_1290	1290	1290	-377.62	-38.334	2.032	1.802	-19.117	330.944	1
1290_1291	1290	1291	352.377	42.58	-2.032	-1.802	-0.189	-616.526	1.02
1291_1291	1291	1291	160.854	161.401	4.505	-5.137	2.628	3898.756	1.02
1291_1292	1291	1292	-140.281	-157.639	-4.505	4.714	-36.099	-2950.76	1.02
1292_1292	1292	1292	135.534	140.796	-1.212	-1.512	35.541	2950.785	1.02
1292_1293	1292	1293	-89.04	-134.567	1.212	1.68	-20.185	-1582.55	1.03
1293_1293	1293	1293	85.569	134.694	-1.194	-0.025	19.967	1582.586	1.03
1293_1294	1293	1294	-24.516	-129.38	1.194	0.131	-6.613	-455.876	1.05
1294_1294	1294	1294	21.712	118.258	-0.472	-0.329	6.61	455.877	1.05
1294_1295	1294	1295	19.919	-114.938	0.472	0.346	-3.281	161.654	1.14
1295_1295	1295	1295	-23.186	113.803	-0.311	-0.304	2.23	-151.633	1.14
1295_1296	1295	1296	74.26	-110.529	0.311	0.31	-0.006	711.288	1
1296_1296	1296	1296	-75.491	110.188	-0.308	-0.449	0	-711.286	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1296_1297	1296	1297	135.899	-106.181	0.308	0.449	2.707	1375.957	1
1297_1297	1297	1297	-135.957	91.919	0.032	0.842	-2.708	-1375.96	1
1297_1298	1297	1298	159.34	-90.073	-0.032	-0.842	2.577	1633.632	1
1298_1298	1298	1298	-138.414	90.81	0.057	0.612	-3.969	-1751.69	1
1298_1299	1298	1299	178.886	-86.923	-0.057	-0.612	3.49	2311.763	1
1299_1299	1299	1299	-178.885	86.923	0.07	-1.615	-3.49	-2311.76	1
1299_1300	1299	1300	233.157	-81.42	-0.07	1.615	2.65	3062.793	1
1300_1300	1300	1300	-233.157	64.761	0.043	2.18	-2.65	-3062.79	1
1300_1301	1300	1301	276.878	-58.718	-0.043	-2.18	2.081	3667.823	1
1301_1301	1301	1301	-276.877	58.718	0.06	-2.24	-2.081	-3667.82	1
1301_1302	1301	1302	311.077	-53.517	-0.06	2.24	1.402	4141.092	1
1302_1302	1302	1302	-311.077	35.639	0.075	3.398	-1.402	-4141.1	1
1302_1303	1302	1303	334.65	-29.458	-0.075	-3.398	0.393	4467.31	1
1303_1303	1303	1303	-334.649	29.458	0.095	-2.903	-0.393	-4467.31	1
1303_1304	1303	1304	350.641	-24.389	-0.095	2.903	-0.651	4688.61	1
1304_1304	1304	1304	-350.641	5.821	0.182	3.575	0.651	-4688.64	1
1304_1305	1304	1305	352.625	0.177	-0.182	-3.575	-3.033	4716.089	1
1305_1305	1305	1305	-352.624	-0.177	0.199	-2.064	3.033	-4716.1	1
1305_1306	1305	1306	350.901	5.426	-0.199	2.064	-5.308	4692.259	1
1306_1306	1306	1306	-350.899	-23.724	0.317	3.721	5.308	-4692.27	1
1306_1307	1306	1307	334.022	29.17	-0.317	-3.721	-9.068	4458.712	1
1307_1307	1307	1307	-334.02	-29.17	0.332	-0.961	9.068	-4458.73	1
1307_1308	1307	1308	312.218	34.971	-0.332	0.961	-13.258	4157.034	1
1308_1308	1308	1308	-312.218	-52.177	0.135	3.671	13.258	-4157.06	1
1308_1309	1308	1309	276.249	57.761	-0.135	-3.671	-14.897	3659.304	1
1309_1309	1309	1309	-276.249	-57.761	0.151	-0.547	14.897	-3659.32	1
1309_1310	1309	1310	236.02	63.427	-0.151	0.547	-16.758	3102.623	1
1310_1310	1310	1310	-236.023	-78.918	-0.386	3.103	16.758	-3102.65	1
1310_1311	1310	1311	179.613	84.799	0.386	-3.103	-11.817	2322.018	1
1311_1311	1311	1311	-179.619	-84.799	-0.37	0.43	11.817	-2322.04	1
1311_1312	1311	1312	119.293	90.667	0.37	-0.43	-7.091	1487.235	1
1312_1312	1312	1312	-119.301	-101.888	-0.395	2.569	7.091	-1487.27	1
1312_1313	1312	1313	16.918	110.13	0.395	-2.569	0	70.459	1
1400_1020	1400	1020	501.631	-60.821	-23.814	-0.406	88.853	-1058.92	1.02
1400_1401	1400	1401	-501.631	60.821	23.814	0.406	8.583	810.065	1
1401_1401	1401	1401	501.221	-59.955	-0.574	-0.486	-10.983	-810.041	1
1401_1402	1401	1402	-501.221	59.955	0.574	0.486	12.986	600.826	1
1402_1402	1402	1402	502.523	-47.829	-0.167	0.329	-12.847	-600.829	1
1402_1403	1402	1403	-502.523	47.829	0.167	-0.329	14.667	78.623	1
1403_1403	1403	1403	510.731	-32.345	1.331	-0.018	-17.057	-78.622	1
1403_1404	1403	1404	-510.731	32.345	-1.331	0.018	7.458	-154.591	1
1404_1404	1404	1404	511.346	-20.451	1.029	0.248	-7.424	154.592	1
1404_1405	1404	1405	-511.346	20.451	-1.029	-0.248	-0.002	-302.114	1
1405_1405	1405	1405	513.224	-2.491	0.478	0.029	-2.746	302.112	1
1405_1406	1405	1406	-513.224	2.491	-0.478	-0.029	-4.147	-338.006	1
1406_1406	1406	1406	512.062	15.575	-0.518	-0.083	1.466	338.002	1
1406_1407	1406	1407	-512.062	-15.575	0.518	0.083	3.128	-199.971	1
1407_1407	1407	1407	511.623	26.305	-0.794	0.088	-3.081	199.971	1
1407_1408	1407	1408	-511.623	-26.305	0.794	-0.088	7.495	-53.784	1
1408_1408	1408	1408	503.973	-80.974	2.154	0.247	-7.996	53.785	1
1408_1409	1408	1409	-503.973	80.974	-2.154	-0.247	1.49	-298.359	1
1409_1409	1409	1409	503.239	77.708	2.124	-0.12	-1.519	298.333	1
1409_1410	1409	1410	-503.239	-77.708	-2.124	0.12	-4.896	-63.621	1
1410_1410	1410	1410	503.544	-28.978	0.252	-0.199	4.351	63.62	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1410_1411	1410	1411	-503.544	28.978	-0.252	0.199	-5.751	-224.664	1
1411_1411	1411	1411	504.038	-18.466	-0.625	0.065	5.578	224.668	1
1411_1412	1411	1412	-504.038	18.466	0.625	-0.065	-0.043	-388.282	1
1412_1412	1412	1412	499.099	-0.549	-0.105	-0.091	2.175	388.283	1
1412_1413	1412	1413	-499.099	0.549	0.105	0.091	-0.658	-396.194	1
1413_1413	1413	1413	491.82	16.927	-0.902	-0.111	2.421	396.196	1
1413_1414	1413	1414	-491.82	-16.927	0.902	0.111	4.083	-274.178	1
1414_1414	1414	1414	491.292	28.375	-0.586	-0.196	-4.026	274.179	1
1414_1415	1414	1415	-491.292	-28.375	0.586	0.196	8.25	-69.737	1
1415_1415	1415	1415	481.126	43.509	1.323	0.922	-6.532	69.726	1
1415_1416	1415	1416	-481.126	-43.509	-1.323	-0.922	-7.928	405.652	1
1416_1416	1416	1416	479.963	54.77	-3.579	-3.538	9.091	-405.613	1
1416_1417	1416	1417	-479.963	-54.77	3.579	3.538	3.372	596.354	1
1417_1417	1417	1417	480.481	56.094	17.18	0.081	-1.506	-596.424	1
1417_1036	1417	1036	-480.481	-56.094	-17.18	-0.081	-68.949	826.458	1.01
1420_1056	1420	1056	413.105	-55.793	-21.607	-0.373	88.26	-1043.31	1.01
1420_1421	1420	1421	-413.105	55.793	21.607	0.373	0.185	814.929	1
1421_1421	1421	1421	413.017	-54.813	-0.231	0.314	-1.867	-814.929	1
1421_1422	1421	1422	-413.017	54.813	0.231	-0.314	2.671	623.885	1
1422_1422	1422	1422	414.201	-44.996	-0.409	0.099	-2.744	-623.884	1
1422_1423	1422	1423	-414.201	44.996	0.409	-0.099	7.215	132.419	1
1423_1423	1423	1423	422.406	-32.012	0.982	0.059	-9.347	-132.408	1
1423_1424	1423	1424	-422.406	32.012	-0.982	-0.059	2.277	-98.124	1
1424_1424	1424	1424	423.028	-22.362	0.555	0.212	-2.239	98.124	1
1424_1425	1424	1425	-423.028	22.362	-0.555	-0.212	-1.768	-259.452	1
1425_1425	1425	1425	426.603	-7.428	0.283	0.068	-0.665	259.464	1
1425_1426	1425	1426	-426.603	7.428	-0.283	-0.068	-3.409	-366.537	1
1426_1426	1426	1426	427.88	7.785	-0.214	-0.184	0.99	366.551	1
1426_1427	1426	1427	-427.88	-7.785	0.214	0.184	0.903	-297.58	1
1427_1427	1427	1427	427.623	16.721	-1.053	0.408	-0.643	297.581	1
1427_1428	1427	1428	-427.623	-16.721	1.053	-0.408	6.491	-204.672	1
1428_1428	1428	1428	422.176	-73.135	0.679	-0.265	-6.788	204.659	1
1428_1429	1428	1429	-422.176	73.135	-0.679	0.265	4.738	-425.419	1
1429_1429	1429	1429	422.278	73.986	0.34	0.334	-4.753	425.733	1
1429_1430	1429	1430	-422.278	-73.986	-0.34	-0.334	3.722	-201.681	1
1430_1430	1430	1430	426.771	-16.125	0.603	-0.237	-3.876	201.68	1
1430_1431	1430	1431	-426.771	16.125	-0.603	0.237	0.527	-291.277	1
1431_1431	1431	1431	427.014	-7.241	-0.015	0.192	-0.713	291.276	1
1431_1432	1431	1432	-427.014	7.241	0.015	-0.192	0.844	-355.415	1
1432_1432	1432	1432	424.36	7.951	-0.163	-0.015	1.682	355.429	1
1432_1433	1432	1433	-424.36	-7.951	0.163	0.015	0.673	-240.847	1
1433_1433	1433	1433	419.604	22.864	-0.194	-0.152	1.641	240.862	1
1433_1434	1433	1434	-419.604	-22.864	0.194	0.152	-0.242	-75.963	1
1434_1434	1434	1434	418.959	32.598	-0.922	-0.022	0.194	75.964	1
1434_1435	1434	1435	-418.959	-32.598	0.922	0.022	6.452	158.987	1
1435_1435	1435	1435	409.471	45.427	-0.624	0.091	-4.317	-158.978	1
1435_1436	1435	1436	-409.471	-45.427	0.624	-0.091	11.14	655.328	1
1436_1436	1436	1436	408.291	55.019	-1.316	-0.799	-10.826	-655.333	1
1436_1437	1436	1437	-408.291	-55.019	1.316	0.799	15.411	846.968	1
1437_1437	1437	1437	408.772	56.042	18.803	0.244	-14.575	-846.942	1
1437_1072	1437	1072	-408.772	-56.042	-18.803	-0.244	-62.346	1076.208	1.01
1440_1094	1440	1094	465.733	-53.159	-19.53	-0.327	71.18	-811.235	1
1440_1441	1440	1441	-465.733	53.159	19.53	0.327	8.818	593.485	1
1441_1441	1441	1441	465.492	-51.983	0.572	-0.026	-10.859	-593.48	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1441_1442	1441	1442	-465.492	51.983	-0.572	0.026	8.862	412.097	1
1442_1442	1442	1442	466.604	-40.803	0.577	0.191	-8.859	-412.097	1
1442_1443	1442	1443	-466.604	40.803	-0.577	-0.191	2.554	-33.639	1
1443_1443	1443	1443	476.09	-26.01	0.502	0.113	-5.186	33.65	1
1443_1444	1443	1444	-476.09	26.01	-0.502	-0.113	1.573	-220.91	1
1444_1444	1444	1444	476.56	-15.146	0.567	0.118	-1.581	220.91	1
1444_1445	1444	1445	-476.56	15.146	-0.567	-0.118	-2.507	-330.16	1
1445_1445	1445	1445	481.202	1.654	0.206	0.039	-0.33	330.172	1
1445_1446	1445	1446	-481.202	-1.654	-0.206	-0.039	-2.633	-306.318	1
1446_1446	1446	1446	483.827	19.029	0.599	-0.046	-0.357	306.33	1
1446_1447	1446	1447	-483.827	-19.029	-0.599	0.046	-4.948	-137.805	1
1447_1447	1447	1447	483.334	28.98	-0.13	0.055	5.038	137.802	1
1447_1448	1447	1448	-483.334	-28.98	0.13	-0.055	-4.314	23.283	1
1448_1448	1448	1448	482.079	-73.052	-2.825	1.287	4.567	-23.291	1
1448_1449	1448	1449	-482.079	73.052	2.825	-1.287	3.945	-196.872	1
1449_1449	1449	1449	481.923	72.98	3.114	-1.289	-3.945	196.946	1
1449_1450	1449	1450	-481.923	-72.98	-3.114	1.289	-5.473	23.788	1
1450_1450	1450	1450	482.765	-29.33	-0.441	0.057	5.195	-23.783	1
1450_1451	1450	1451	-482.765	29.33	0.441	-0.057	-2.745	-139.284	1
1451_1451	1451	1451	483.266	-19.397	-0.289	-0.043	2.764	139.283	1
1451_1452	1451	1452	-483.266	19.397	0.289	0.043	-0.203	-311.104	1
1452_1452	1452	1452	480.154	-2.147	-0.26	-0.048	3.029	311.106	1
1452_1453	1452	1453	-480.154	2.147	0.26	0.048	0.726	-342.049	1
1453_1453	1453	1453	475	14.772	-0.434	-0.148	2.071	342.052	1
1453_1454	1453	1454	-475	-14.772	0.434	0.148	1.059	-235.487	1
1454_1454	1454	1454	474.562	25.189	-0.472	-0.106	-1.068	235.487	1
1454_1455	1454	1455	-474.562	-25.189	0.472	0.106	4.458	-54.6	1
1455_1455	1455	1455	465.583	40.597	-0.148	-0.094	-1.833	54.602	1
1455_1456	1455	1456	-465.583	-40.597	0.148	0.094	3.45	389.674	1
1456_1456	1456	1456	464.502	51.511	-0.545	-0.357	-3.36	-389.675	1
1456_1457	1456	1457	-464.502	-51.511	0.545	0.357	5.261	569.411	1
1457_1457	1457	1457	464.965	52.737	18.185	0.308	-3.283	-569.409	1
1457_1110	1457	1110	-464.965	-52.737	-18.185	-0.308	-71.206	785.43	1.01
1460_1132	1460	1132	419.854	-58.114	-20.751	-0.344	94.1	-1087.25	1.03
1460_1461	1460	1461	-419.854	58.114	20.751	0.344	-9.132	849.285	1
1461_1461	1461	1461	419.579	-56.915	-1.834	-0.25	7.382	-849.283	1
1461_1462	1461	1462	-419.579	56.915	1.834	0.25	-0.984	650.757	1
1462_1462	1462	1462	420.825	-46.832	-1.461	0.322	1.152	-650.756	1
1462_1463	1462	1463	-420.825	46.832	1.461	-0.322	14.808	139.333	1
1463_1463	1463	1463	432.388	-33.02	0.741	0.155	-16.344	-139.43	1
1463_1464	1463	1464	-432.388	33.02	-0.741	-0.155	10.999	-98.574	1
1464_1464	1464	1464	433.034	-22.971	1.971	0.125	-11.093	98.564	1
1464_1465	1464	1465	-433.034	22.971	-1.971	-0.125	-3.124	-264.241	1
1465_1465	1465	1465	435.892	-7.297	0.236	0.036	-0.052	264.218	1
1465_1466	1465	1466	-435.892	7.297	-0.236	-0.036	-3.344	-369.382	1
1466_1466	1466	1466	435.182	8.662	-0.559	0.154	0.401	369.357	1
1466_1467	1466	1467	-435.182	-8.662	0.559	-0.154	4.549	-292.648	1
1467_1467	1467	1467	434.912	17.602	0.277	-0.304	-4.798	292.644	1
1467_1468	1467	1468	-434.912	-17.602	-0.277	0.304	3.258	-194.805	1
1468_1468	1468	1468	427.576	-72.869	1.284	-1.58	-3.188	194.789	1
1468_1469	1468	1469	-427.576	72.869	-1.284	1.58	-0.693	-415.109	1
1469_1469	1469	1469	424.335	71.913	-0.108	1.558	-6.869	405.746	1
1469_1470	1469	1470	-424.335	-71.913	0.108	-1.558	7.194	-188.316	1
1470_1470	1470	1470	430.231	-17.897	0.251	0.067	-7.175	188.311	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1470_1471	1470	1471	-430.231	17.897	-0.251	-0.067	5.782	-287.789	1
1471_1471	1471	1471	430.508	-9.043	0.702	-0.113	-5.65	287.792	1
1471_1472	1471	1472	-430.508	9.043	-0.702	0.113	-0.569	-367.876	1
1472_1472	1472	1472	429.219	6.751	-0.318	-0.106	3.382	367.857	1
1472_1473	1472	1473	-429.219	-6.751	0.318	0.106	1.204	-270.511	1
1473_1473	1473	1473	425.123	21.899	-0.551	-0.202	1.5	270.485	1
1473_1474	1473	1474	-425.123	-21.899	0.551	0.202	2.471	-112.539	1
1474_1474	1474	1474	424.513	31.59	-0.598	-0.133	-2.479	112.539	1
1474_1475	1474	1475	-424.513	-31.59	0.598	0.133	6.783	114.868	1
1475_1475	1475	1475	416.045	44.832	0.428	-0.256	-4.473	-114.889	1
1475_1476	1475	1476	-416.045	-44.832	-0.428	0.256	-0.198	604.56	1
1476_1476	1476	1476	414.849	54.801	0.711	0.167	0.077	-604.56	1
1476_1477	1476	1477	-414.849	-54.801	-0.711	-0.167	-2.558	795.749	1
1477_1477	1477	1477	414.805	55.891	18.566	0.458	4.612	-795.747	1
1477_1148	1477	1148	-414.805	-55.891	-18.566	-0.458	-80.649	1024.647	1
1480_1168	1480	1168	394.427	-57.576	-18.034	-0.342	74.582	-1159.69	1
1480_1481	1480	1481	-394.427	57.576	18.034	0.342	-0.722	923.872	1
1481_1481	1481	1481	393.841	-56.928	-1.044	-1.621	-1.946	-923.81	1
1481_1482	1481	1482	-393.841	56.928	1.044	1.621	5.587	725.211	1
1482_1482	1482	1482	395.094	-47.47	0.122	0.732	-4.975	-725.217	1
1482_1483	1482	1483	-395.094	47.47	-0.122	-0.732	3.642	206.725	1
1483_1483	1483	1483	402.423	-35.108	0.425	0.167	-5.8	-206.745	1
1483_1484	1483	1484	-402.423	35.108	-0.425	-0.167	2.739	-46.324	1
1484_1484	1484	1484	403.13	-25.746	0.481	0.224	-2.736	46.324	1
1484_1485	1484	1485	-403.13	25.746	-0.481	-0.224	-0.73	-232.018	1
1485_1485	1485	1485	405.233	-11.338	0.397	0.11	-1.862	232.001	1
1485_1486	1485	1486	-405.233	11.338	-0.397	-0.11	-3.858	-395.391	1
1486_1486	1486	1486	404.347	3.506	-1.086	0.218	1.382	395.37	1
1486_1487	1486	1487	-404.347	-3.506	1.086	-0.218	8.239	-364.324	1
1487_1487	1487	1487	404.191	11.813	-0.313	-0.301	-8.548	364.316	1
1487_1488	1487	1488	-404.191	-11.813	0.313	0.301	10.29	-298.653	1
1488_1488	1488	1488	394.9	-71.779	1.332	-2.876	-10.274	298.641	1
1488_1489	1488	1489	-394.9	71.779	-1.332	2.876	6.248	-515.665	1
1489_1489	1489	1489	395.488	72.196	-1.341	2.856	-6.94	517.194	1
1489_1490	1489	1490	-395.488	-72.196	1.341	-2.856	10.995	-298.907	1
1490_1490	1490	1490	404.805	-11.487	0.633	0.077	-10.893	298.89	1
1490_1491	1490	1491	-404.805	11.487	-0.633	-0.077	7.378	-362.738	1
1491_1491	1491	1491	404.955	-3.157	1.055	-0.148	-7.211	362.742	1
1491_1492	1491	1492	-404.955	3.157	-1.055	0.148	-2.132	-390.702	1
1492_1492	1492	1492	405.877	11.681	-0.441	-0.15	4.585	390.675	1
1492_1493	1492	1493	-405.877	-11.681	0.441	0.15	1.768	-222.339	1
1493_1493	1493	1493	403.426	26.102	-0.588	-0.266	0.736	222.318	1
1493_1494	1493	1494	-403.426	-26.102	0.588	0.266	3.501	-34.06	1
1494_1494	1494	1494	402.71	35.47	-0.643	-0.179	-3.508	34.06	1
1494_1495	1494	1495	-402.71	-35.47	0.643	0.179	8.145	221.62	1
1495_1495	1495	1495	395.276	47.808	0.601	-0.138	-6.208	-221.641	1
1495_1496	1495	1496	-395.276	-47.808	-0.601	0.138	-0.36	743.825	1
1496_1496	1496	1496	394.015	57.275	0.521	-0.305	0.399	-743.825	1
1496_1497	1496	1497	-394.015	-57.275	-0.521	0.305	-2.215	943.646	1
1497_1497	1497	1497	393.815	58.213	20.086	0.534	3.953	-943.632	1
1497_1184	1497	1184	-393.815	-58.213	-20.086	-0.534	-86.217	1182.045	1.02
1500_1204	1500	1204	444.801	-60.273	-24.316	-0.827	103.856	-1125.79	1.01
1500_1501	1500	1501	-444.801	60.273	24.316	0.827	-4.272	878.944	1
1501_1501	1501	1501	444.164	-59.34	-0.619	0.625	3.548	-878.922	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1501_1502	1501	1502	-444.164	59.34	0.619	-0.625	-1.387	671.896	1
1502_1502	1502	1502	445.472	-48.552	-0.915	0.131	1.267	-671.897	1
1502_1503	1502	1503	-445.472	48.552	0.915	-0.131	8.717	142.056	1
1503_1503	1503	1503	456.907	-34.75	0.613	0.202	-9.929	-142.071	1
1503_1504	1503	1504	-456.907	34.75	-0.613	-0.202	5.51	-108.421	1
1504_1504	1504	1504	457.591	-24.123	0.677	0.314	-5.509	108.42	1
1504_1505	1504	1505	-457.591	24.123	-0.677	-0.314	0.629	-282.405	1
1505_1505	1505	1505	464.606	-7.975	0.207	0.14	-2.298	282.389	1
1505_1506	1505	1506	-464.606	7.975	-0.207	-0.14	-0.692	-397.393	1
1506_1506	1506	1506	468.542	8.796	0.761	-0.05	-1.114	397.371	1
1506_1507	1506	1507	-468.542	-8.796	-0.761	0.05	-5.624	-319.473	1
1507_1507	1507	1507	468.262	18.433	0.27	0.164	5.773	319.47	1
1507_1508	1507	1508	-468.262	-18.433	-0.27	-0.164	-7.273	-217.015	1
1508_1508	1508	1508	465.162	-80.523	-1.204	1.308	7.49	217.013	1
1508_1509	1508	1509	-465.162	80.523	1.204	-1.308	-3.849	-460.477	1
1509_1509	1509	1509	465.18	80.05	-0.741	-1.43	3.878	460.384	1
1509_1510	1509	1510	-465.18	-80.05	0.741	1.43	-1.645	-219.132	1
1510_1510	1510	1510	470.621	-18.691	0.387	-0.393	1.917	219.154	1
1510_1511	1510	1511	-470.621	18.691	-0.387	0.393	-4.068	-323.049	1
1511_1511	1511	1511	470.906	-9.018	-0.517	0.139	3.791	323.053	1
1511_1512	1511	1512	-470.906	9.018	0.517	-0.139	0.791	-402.913	1
1512_1512	1512	1512	469.008	7.804	-0.129	-0.159	1.326	402.896	1
1512_1513	1512	1513	-469.008	-7.804	0.129	0.159	0.529	-290.362	1
1513_1513	1513	1513	464.438	24.046	-0.779	-0.303	1.247	290.338	1
1513_1514	1513	1514	-464.438	-24.046	0.779	0.303	4.373	-116.905	1
1514_1514	1514	1514	463.754	34.833	-0.844	-0.184	-4.384	116.904	1
1514_1515	1514	1515	-463.754	-34.833	0.844	0.184	10.466	134.183	1
1515_1515	1515	1515	455.136	48.793	1.064	-0.277	-9.007	-134.206	1
1515_1516	1515	1516	-455.136	-48.793	-1.064	0.277	-2.607	666.68	1
1516_1516	1516	1516	453.818	59.816	1.366	0.12	2.476	-666.68	1
1516_1517	1516	1517	-453.818	-59.816	-1.366	-0.12	-7.243	875.367	1
1517_1517	1517	1517	453.334	60.897	23.448	0.96	8.556	-875.341	1
1517_1220	1517	1220	-453.334	-60.897	-23.448	-0.96	-104.587	1124.746	1
1520_1241	1520	1241	391.597	-59.007	-5.626	-1.387	-8.681	-1275.44	1
1520_1521	1520	1521	-391.597	59.007	5.626	1.387	31.75	1033.504	1
1521_1521	1521	1521	389.648	-58.673	3.698	2.476	-31.468	-1033.23	1
1521_1522	1521	1522	-389.648	58.673	-3.698	-2.476	18.589	828.891	1
1522_1522	1522	1522	390.94	-49.425	2.294	-0.177	-19.431	-828.876	1
1522_1523	1522	1523	-390.94	49.425	-2.294	0.177	-5.608	289.352	1
1523_1523	1523	1523	396.956	-38.008	0.471	0.508	4.292	-289.069	1
1523_1524	1523	1524	-396.956	38.008	-0.471	-0.508	-7.689	15.109	1
1524_1524	1524	1524	397.732	-28.784	-0.218	0.302	7.689	-15.114	1
1524_1525	1524	1525	-397.732	28.784	0.218	-0.302	-6.116	-192.499	1
1525_1525	1525	1525	400.014	-15.366	-0.356	0.206	5.242	192.299	1
1525_1526	1525	1526	-400.014	15.366	0.356	-0.206	-0.111	-413.778	1
1526_1526	1526	1526	401.466	-1.478	0.242	-0.299	-0.417	413.288	1
1526_1527	1526	1527	-401.466	1.478	-0.242	0.299	-1.731	-426.381	1
1527_1527	1527	1527	401.41	6.867	-0.529	0.478	2.098	426.379	1
1527_1528	1527	1528	-401.41	-6.867	0.529	-0.478	0.845	-388.21	1
1528_1528	1528	1528	395.658	-77.489	-1.25	0.129	-0.099	387.859	1
1528_1529	1528	1529	-395.658	77.489	1.25	-0.129	3.873	-621.914	1
1529_1529	1529	1529	395.297	75.986	-0.311	-0.557	-3.778	621.564	1
1529_1530	1529	1530	-395.297	-75.986	0.311	0.557	4.717	-392.1	1
1530_1530	1530	1530	402.531	-7.91	1.521	-0.556	-4.997	392.042	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1530_1531	1530	1531	-402.531	7.91	-1.521	0.556	-3.459	-436.024	1
1531_1531	1531	1531	402.61	0.309	1.003	-0.065	3.203	436.026	1
1531_1532	1531	1532	-402.61	-0.309	-1.003	0.065	-12.083	-433.289	1
1532_1532	1532	1532	401.946	14.849	-0.134	-0.406	12.545	432.953	1
1532_1533	1532	1533	-401.946	-14.849	0.134	0.406	-10.616	-218.876	1
1533_1533	1533	1533	400.512	29.019	0.094	-0.32	11.39	218.758	1
1533_1534	1533	1534	-400.512	-29.019	-0.094	0.32	-12.065	-9.459	1
1534_1534	1534	1534	399.728	38.33	-0.229	-0.593	12.052	9.463	1
1534_1535	1534	1535	-399.728	-38.33	0.229	0.593	-10.404	266.856	1
1535_1535	1535	1535	400.259	50.568	3.922	0.395	11.907	-266.453	1
1535_1536	1535	1536	-400.259	-50.568	-3.922	-0.395	-54.724	818.528	1
1536_1536	1536	1536	398.921	60.258	3.181	-2.517	55.14	-818.496	1
1536_1537	1536	1537	-398.921	-60.258	-3.181	2.517	-66.242	1028.829	1
1537_1537	1537	1537	399.307	60.548	1.491	-0.092	67.975	-1028.39	1
1537_1255	1537	1255	-399.307	-60.548	-1.491	0.092	-74.074	1276.003	1.01
1540_1279	1540	1279	556.921	-62.623	4.223	7.907	7.684	-850.917	1
1540_1541	1540	1541	-556.921	62.623	-4.223	-7.907	-24.977	594.466	1
1541_1541	1541	1541	558.521	-60.361	0.044	1.76	23.919	-596.935	1
1541_1542	1541	1542	-558.521	60.361	-0.044	-1.76	-24.072	386.185	1
1542_1542	1542	1542	559.82	-46.782	-1.104	0.363	23.87	-386.202	1
1542_1543	1542	1543	-559.82	46.782	1.104	-0.363	-11.819	-124.622	1
1543_1543	1543	1543	561.567	-29.899	0.421	-0.355	10.685	124.252	1
1543_1544	1543	1544	-561.567	29.899	-0.421	0.355	-13.719	-339.794	1
1544_1544	1544	1544	562.112	-16.69	-1.859	0.715	14.198	339.774	1
1544_1545	1544	1545	-562.112	16.69	1.859	-0.715	-0.802	-460.071	1
1545_1545	1545	1545	562.404	2.497	0.037	-0.081	0.302	459.234	1
1545_1546	1545	1546	-562.404	-2.497	-0.037	0.081	-0.828	-423.25	1
1546_1546	1546	1546	563.103	22.159	1.837	-0.196	0.479	422.712	1
1546_1547	1546	1547	-563.103	-22.159	-1.837	0.196	-16.744	-226.48	1
1547_1547	1547	1547	562.546	33.473	0.967	-0.191	16.893	226.469	1
1547_1548	1547	1548	-562.546	-33.473	-0.967	0.191	-22.274	-40.225	1
1548_1548	1548	1548	561.714	-84.899	-2.175	2.698	22.626	39.511	1
1548_1549	1548	1549	-561.714	84.899	2.175	-2.698	-16.06	-295.843	1
1549_1549	1549	1549	564.733	87.709	-2.41	-3.111	16.222	297.69	1
1549_1550	1549	1550	-564.733	-87.709	2.41	3.111	-9.05	-36.686	1
1550_1550	1550	1550	570.015	-35.55	1.395	-0.377	9.394	36.987	1
1550_1551	1550	1551	-570.015	35.55	-1.395	0.377	-17.288	-238.185	1
1551_1551	1551	1551	570.685	-22.38	0.623	-0.46	17.131	238.196	1
1551_1552	1551	1552	-570.685	22.38	-0.623	0.46	-22.379	-426.705	1
1552_1552	1552	1552	571.091	0.641	-0.116	-0.781	22.707	426.301	1
1552_1553	1552	1553	-571.091	-0.641	0.116	0.781	-21.07	-417.279	1
1553_1553	1553	1553	569.774	22.415	-1.628	-0.945	21.321	416.823	1
1553_1554	1553	1554	-569.774	-22.415	1.628	0.945	-9.855	-258.916	1
1554_1554	1554	1554	569.007	37.054	-2.293	-0.889	9.725	258.921	1
1554_1555	1554	1555	-569.007	-37.054	2.293	0.889	6.434	2.255	1
1555_1555	1555	1555	564.364	56.975	-2.792	-0.399	-5.523	-2.268	1
1555_1556	1555	1556	-564.364	-56.975	2.792	0.399	35.245	608.84	1
1556_1556	1556	1556	562.552	72.66	-4.061	-0.84	-34.87	-608.862	1
1556_1557	1556	1557	-562.552	-72.66	4.061	0.84	48.776	857.706	1
1557_1557	1557	1557	556.836	77.552	9.633	3.032	-47.832	-856.429	1
1557_1291	1557	1291	-556.836	-77.552	-9.633	-3.032	-6.158	1291.103	1.02
41000_1000	41000	1000	-1.681	85.324	1.742	-10.936	0	-11.988	1
41000_1001	41000	1001	1.681	-76.702	-1.742	10.936	-29.627	1389.654	1
41001_1001	41001	1001	-1.684	76.702	1.739	-8.205	29.627	-1389.67	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
41001_1002	41001	1002	1.684	-71.199	-1.739	8.205	-48.5	2192.278	1
41002_1002	41002	1002	-1.789	61.715	-1.901	-8.01	48.5	-2192.21	1
41002_1003	41002	1003	1.789	-55.533	1.901	8.01	-25.315	2907.001	1
41003_1003	41003	1003	-1.788	55.533	-1.903	-5.64	25.315	-2907.01	1
41003_1004	41003	1004	1.788	-49.351	1.903	5.64	-2.111	3546.477	1
41004_1004	41004	1004	-1.733	41.381	0.29	-6.991	2.111	-3546.25	1
41004_1005	41004	1005	1.733	-35.197	-0.29	6.991	-5.644	4013.271	1
41005_1005	41005	1005	-1.733	35.197	0.288	-3.722	5.644	-4013.28	1
41005_1006	41005	1006	1.733	-29.013	-0.288	3.722	-9.161	4404.902	1
41006_1006	41006	1006	-1.733	19.096	0.332	-4.693	9.161	-4404.7	1
41006_1007	41006	1007	1.733	-12.915	-0.332	4.693	-13.204	4599.829	1
41007_1007	41007	1007	-1.733	12.915	0.33	-0.945	13.204	-4599.83	1
41007_1008	41007	1008	1.733	-6.733	-0.33	0.945	-17.231	4719.611	1
41008_1008	41008	1008	-1.738	-3.644	-0.034	-1.774	17.231	-4719.47	1
41008_1009	41008	1009	1.738	9.823	0.034	1.774	-16.813	4637.409	1
41009_1009	41009	1009	-1.737	-9.823	-0.035	1.549	16.813	-4637.41	1
41009_1010	41009	1010	1.737	16.007	0.035	-1.549	-16.38	4479.874	1
41010_1010	41010	1010	-1.738	-26.27	-0.155	-1.235	16.38	-4479.81	1
41010_1011	41010	1011	1.738	32.45	0.155	1.235	-14.497	4121.903	1
41011_1011	41011	1011	-1.738	-32.45	-0.158	5.893	14.497	-4121.9	1
41011_1012	41011	1012	1.738	38.627	0.158	-5.893	-12.577	3688.944	1
41012_1012	41012	1012	-1.738	-48.948	-0.491	5.419	12.577	-3688.94	1
41012_1013	41012	1013	1.738	55.13	0.491	-5.419	-6.585	3054.379	1
41013_1013	41013	1013	-1.739	-55.13	-0.49	2.933	6.585	-3054.38	1
41013_1014	41013	1014	1.739	61.312	0.49	-2.933	-0.611	2344.516	1
41014_1014	41014	1014	-1.736	-70.54	2.249	5.226	0.611	-2344.53	1
41014_1015	41014	1015	1.736	79.024	-2.249	-5.226	-38.246	1093.155	1
41015_1015	41015	1015	-1.027	-79.036	2.251	2.147	38.267	-1094.16	1
41015_1016	41015	1016	0.99	83.219	-2.251	-2.147	-56.841	424.862	1
41016_1016	41016	1016	0.654	-91.681	2.46	4.47	56.955	-424.822	1
41016_1017	41016	1017	-0.807	97.565	-2.46	-4.47	-85.86	-686.786	1.06
41017_1017	41017	1017	3.225	-97.515	2.463	3.616	86.009	686.943	1.06
41017_1018	41017	1018	-3.563	104.154	-2.463	-3.616	-118.691	-2024.94	1.03
41018_1018	41018	1018	6.748	-110.167	-5.468	2.46	118.887	2024.933	1.03
41018_1019	41018	1019	-7.226	116.427	5.468	-2.46	-50.359	-3444.77	1.02
41019_1019	41019	1019	10.275	-116.198	-5.465	6.899	51	3444.754	1.02
41019_1020	41019	1020	-10.919	122.462	5.465	-6.899	17.696	-4944.64	1.02
41020_1020	41020	1020	-471.157	30.994	4.537	-2.355	-104.338	685.97	1.02
41020_1021	41020	1021	471.157	-26.233	-4.537	2.355	61.227	-414.065	1
41021_1021	41021	1021	-471.151	26.233	5.086	-3.101	-61.227	300.205	1
41021_1022	41021	1022	471.151	-22.35	-5.086	3.101	21.813	-111.942	1
41022_1022	41022	1022	-471.145	22.35	5.69	-2.958	-21.813	111.946	1
41022_1023	41022	1023	471.145	-18.468	-5.69	2.958	-22.276	46.204	1
41023_1023	41023	1023	-471.12	13.849	-1.333	-1.087	22.276	-46.196	1
41023_1024	41023	1024	471.12	-9.841	1.333	1.087	-11.609	140.953	1
41024_1024	41024	1024	-471.12	9.841	-1.333	-1.087	11.609	-140.953	1
41024_1025	41024	1025	471.12	-5.833	1.333	1.087	-0.943	203.648	1
41025_1025	41025	1025	-471.121	5.833	-0.748	-1.34	0.943	-203.646	1
41025_1026	41025	1026	471.121	-1.826	0.748	1.34	5.04	234.278	1
41026_1026	41026	1026	-471.12	-4.7	-1.277	-0.256	-5.04	-234.277	1
41026_1027	41026	1027	471.12	7.705	1.277	0.256	12.695	197.084	1
41027_1027	41027	1027	-471.122	-7.705	-0.41	-0.619	-12.695	-197.083	1
41027_1028	41027	1028	471.122	10.713	0.41	0.619	15.16	141.781	1
41028_1028	41028	1028	-471.122	-10.713	-0.495	-0.593	-15.16	-141.781	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
41028_1029	41028	1029	471.122	13.717	0.495	0.593	18.131	68.548	1
41029_1029	41029	1029	-471.122	-13.717	-0.41	-0.605	-18.131	-68.548	1
41029_1030	41029	1030	471.122	16.726	0.41	0.605	20.595	-22.86	1
41030_1030	41030	1030	-471.121	-23.271	0.599	0.006	-20.595	22.86	1
41030_1031	41030	1031	471.121	27.277	-0.599	-0.006	15.803	-224.933	1
41031_1031	41031	1031	-471.121	-27.277	0.662	0.036	-15.803	224.933	1
41031_1032	41031	1032	471.121	31.287	-0.662	-0.036	10.503	-459.344	1
41032_1032	41032	1032	-471.121	-31.287	0.599	-0.025	-10.503	459.344	1
41032_1033	41032	1033	471.121	35.293	-0.599	0.025	5.711	-725.509	1
41033_1033	41033	1033	-471.152	-40.045	-6.382	-3.332	-5.711	725.527	1
41033_1034	41033	1034	471.152	43.929	6.382	3.332	55.187	-1051.03	1
41034_1034	41034	1034	-471.16	-43.929	-5.777	-1.984	-55.187	1051.029	1
41034_1035	41034	1035	471.16	47.812	5.777	1.984	99.97	-1406.59	1
41035_1035	41035	1035	-471.193	-47.812	-1.26	11.188	-99.97	1523.57	1
41035_1036	41035	1036	471.193	52.572	1.26	-11.188	111.944	-2000.49	1.01
41036_1036	41036	1036	-10.371	103.72	4.764	-6.097	-44.847	6334.83	1.01
41036_1037	41036	1037	11.015	-97.457	-4.764	6.097	-15.023	-5070.71	1.02
41037_1037	41037	1037	-13.575	97.132	4.781	-2.463	14.549	5070.718	1.02
41037_1038	41037	1038	14.053	-90.87	-4.781	2.463	-74.483	-3892.26	1.02
41038_1038	41038	1038	-16.772	85.031	-2.447	-4.222	74.39	3892.423	1.02
41038_1039	41038	1039	17.11	-78.397	2.447	4.222	-41.949	-2809.05	1.03
41039_1039	41039	1039	-19.054	77.948	-2.429	-2.686	41.764	2807.017	1.03
41039_1040	41039	1040	19.206	-72.106	2.429	2.686	-13.199	-1924.82	1.05
41040_1040	41040	1040	-20.457	65.066	-0.517	-3.405	13.155	1924.926	1.05
41040_1041	41040	1041	20.494	-60.966	0.517	3.405	-8.887	-1405.04	1.07
41041_1041	41041	1041	-21.039	60.78	-0.512	-3.014	8.856	1399.156	1.07
41041_1042	41041	1042	21.039	-52.675	0.512	3.014	-0.498	-474.016	1
41042_1042	41042	1042	-21.037	44.698	-0.271	-2.395	0.498	474.025	1
41042_1043	41042	1043	21.037	-38.744	0.271	2.395	2.746	25.831	1
41043_1043	41043	1043	-21.037	38.744	-0.253	-2.416	-2.746	-25.829	1
41043_1044	41043	1044	21.037	-32.789	0.253	2.416	5.779	454.317	1
41044_1044	41044	1044	-21.037	24.434	-0.128	-0.719	-5.779	-454.342	1
41044_1045	41044	1045	21.037	-18.48	0.128	0.719	7.315	711.365	1
41045_1045	41045	1045	-21.037	18.48	-0.111	-1.311	-7.315	-711.364	1
41045_1046	41045	1046	21.037	-12.527	0.111	1.311	8.641	897.065	1
41046_1046	41046	1046	-21.034	3.679	0.116	1.107	-8.641	-897.114	1
41046_1047	41046	1047	21.034	2.278	-0.116	-1.107	7.254	905.507	1
41047_1047	41047	1047	-21.034	-2.278	0.132	0.412	-7.254	-905.507	1
41047_1048	41047	1048	21.034	8.23	-0.132	-0.412	5.674	842.585	1
41048_1048	41048	1048	-21.039	-16.921	-0.208	2.903	-5.674	-842.625	1
41048_1049	41048	1049	21.039	22.877	0.208	-2.903	8.161	604.146	1
41049_1049	41049	1049	-21.039	-22.877	-0.174	1.935	-8.161	-604.15	1
41049_1050	41049	1050	21.039	28.828	0.174	-1.935	10.242	294.617	1
41050_1050	41050	1050	-21.015	-36.81	1.767	3	-10.242	-294.638	1
41050_1051	41050	1051	21.015	44.908	-1.767	-3	-18.55	-371.101	1.15
41051_1051	41051	1051	-20.627	-45.086	1.797	3.537	18.581	372.955	1.15
41051_1052	41051	1052	20.592	49.182	-1.797	-3.537	-33.395	-761.409	1.06
41052_1052	41052	1052	-19.601	-57.023	1.958	3.41	33.458	761.405	1.06
41052_1053	41052	1053	19.456	62.863	-1.958	-3.41	-56.467	-1465.92	1.03
41053_1053	41053	1053	-17.836	-63.341	1.983	4.38	56.658	1472.59	1.03
41053_1054	41053	1054	17.509	69.821	-1.983	-4.38	-82.974	-2356.04	1.02
41054_1054	41054	1054	-15.347	-75.883	-4.831	3.74	83.167	2356.034	1.02
41054_1055	41054	1055	14.884	81.995	4.831	-3.74	-22.609	-3345.51	1.01
41055_1055	41055	1055	-12.747	-82.355	-4.813	5.985	22.988	3345.501	1.01

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
41055_1056	41055	1056	12.123	88.471	4.813	-5.985	37.531	-4419.41	1.01
41056_1056	41056	1056	-406.411	43.487	4.999	-2.302	-123.394	1040.767	1.01
41056_1057	41056	1057	406.411	-38.841	-4.999	2.302	75.901	-649.697	1
41057_1057	41057	1057	-406.408	38.841	5.29	-2.139	-75.901	626.514	1
41057_1058	41057	1058	406.408	-35.053	-5.29	2.139	34.928	-340.313	1
41058_1058	41058	1058	-406.408	35.053	5.29	-2.139	-34.928	340.313	1
41058_1059	41058	1059	406.408	-31.266	-5.29	2.139	-6.046	-83.454	1
41059_1059	41059	1059	-406.455	26.416	-1.015	-0.158	6.046	83.441	1
41059_1060	41059	1060	406.455	-22.501	1.015	0.158	2.08	112.379	1
41060_1060	41060	1060	-406.456	22.501	-0.54	-0.289	-2.08	-112.378	1
41060_1061	41060	1061	406.456	-18.591	0.54	0.289	6.398	276.655	1
41061_1061	41061	1061	-406.457	18.591	-0.002	-0.655	-6.398	-276.655	1
41061_1062	41061	1062	406.457	-14.676	0.002	0.655	6.41	409.807	1
41062_1062	41062	1062	-406.46	8.303	-0.564	1.079	-6.41	-409.823	1
41062_1063	41062	1063	406.46	-5.368	0.564	-1.079	9.795	450.847	1
41063_1063	41063	1063	-406.461	5.368	0.071	0.374	-9.795	-450.848	1
41063_1064	41063	1064	406.461	-2.439	-0.071	-0.374	9.367	474.234	1
41064_1064	41064	1064	-406.461	2.439	0.112	0.327	-9.367	-474.234	1
41064_1065	41064	1065	406.461	0.496	-0.112	-0.327	8.694	480.065	1
41065_1065	41065	1065	-406.46	-0.496	0.788	-0.472	-8.694	-480.064	1
41065_1066	41065	1066	406.46	3.43	-0.788	0.472	3.964	468.288	1
41066_1066	41066	1066	-406.46	-9.852	0.606	1.36	-3.964	-468.311	1
41066_1067	41066	1067	406.46	13.766	-0.606	-1.36	-0.882	373.791	1
41067_1067	41067	1067	-406.459	-13.766	1.113	0.894	0.882	-373.792	1
41067_1068	41067	1068	406.459	17.68	-1.113	-0.894	-9.786	247.957	1
41068_1068	41068	1068	-406.459	-17.68	1.083	0.911	9.786	-247.956	1
41068_1069	41068	1069	406.459	21.589	-1.083	-0.911	-18.445	91.015	1
41069_1069	41069	1069	-406.553	-26.508	-3.928	2.688	18.445	-91.049	1
41069_1070	41069	1070	406.553	30.299	3.928	-2.688	12.006	-129.134	1
41070_1070	41070	1070	-406.553	-30.299	-3.928	2.688	-12.006	129.134	1
41070_1071	41070	1071	406.553	34.09	3.928	-2.688	42.456	-378.703	1
41071_1071	41071	1071	-406.556	-34.09	-3.643	2.704	-42.456	406.455	1
41071_1072	41071	1072	406.556	38.732	3.643	-2.704	77.044	-752.151	1.01
41072_1072	41072	1072	-15.94	96.754	4.333	-4.166	-16.351	4056.16	1.01
41072_1073	41072	1073	16.565	-90.638	-4.333	4.166	-38.127	-2878.17	1.01
41073_1073	41073	1073	-18.919	90.175	4.353	-2.987	37.841	2878.177	1.01
41073_1074	41073	1074	19.382	-84.064	-4.353	2.987	-92.391	-1786.33	1.01
41074_1074	41074	1074	-21.929	77.626	-2.544	-3.049	92.173	1786.346	1.01
41074_1075	41074	1075	22.257	-71.148	2.544	3.049	-58.428	-799.683	1.03
41075_1075	41075	1075	-24.081	70.553	-2.512	-2.765	58.286	791.502	1.03
41075_1076	41075	1076	24.221	-64.899	2.512	2.765	-28.747	4.817	1.03
41076_1076	41076	1076	-25.29	57.738	-0.523	-2.348	28.691	-4.835	1.03
41076_1077	41076	1077	25.324	-53.77	0.523	2.348	-24.378	464.806	1
41077_1077	41077	1077	-25.785	53.551	-0.49	-3.322	24.357	-455.718	1
41077_1078	41077	1078	25.785	-46.419	0.49	3.322	-17.095	1196.824	1
41078_1078	41078	1078	-25.783	38.932	-0.305	-1.877	17.095	-1196.85	1
41078_1079	41078	1079	25.783	-33.52	0.305	1.877	-13.659	1604.468	1
41079_1079	41079	1079	-25.784	33.52	-0.281	-3.366	13.659	-1604.47	1
41079_1080	41079	1080	25.784	-28.103	0.281	3.366	-10.489	1951.454	1
41080_1080	41080	1080	-25.782	19.892	-0.05	-0.78	10.489	-1951.52	1
41080_1081	41080	1081	25.782	-14.476	0.05	0.78	-9.925	2145.02	1
41081_1081	41081	1081	-25.782	14.476	-0.027	-2.683	9.925	-2145.02	1
41081_1082	41081	1082	25.782	-9.06	0.027	2.683	-9.619	2277.524	1
41082_1082	41082	1082	-25.783	0.212	-0.114	1.574	9.619	-2277.61	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
41082_1083	41082	1083	25.783	5.608	0.114	-1.574	-8.244	2244.961	1
41083_1083	41083	1083	-25.784	-5.608	-0.071	-2.134	8.244	-2244.96	1
41083_1084	41083	1084	25.784	11.428	0.071	2.134	-7.384	2141.896	1
41084_1084	41084	1084	-25.784	-20.301	-0.123	2.907	7.384	-2141.97	1
41084_1085	41084	1085	25.784	25.717	0.123	-2.907	-5.997	1882.919	1
41085_1085	41085	1085	-25.785	-25.717	-0.077	-0.435	5.997	-1882.92	1
41085_1086	41085	1086	25.785	31.132	0.077	0.435	-5.125	1562.925	1
41086_1086	41086	1086	-25.789	-39.408	-0.441	3.441	5.125	-1562.97	1
41086_1087	41086	1087	25.789	44.823	0.441	-3.441	-0.155	1088.839	1
41087_1087	41087	1087	-25.789	-44.823	-0.396	1.508	0.155	-1088.84	1
41087_1088	41087	1088	25.789	50.238	0.396	-1.508	4.299	553.79	1
41088_1088	41088	1088	-25.768	-57.568	1.381	2.953	-4.299	-553.823	1
41088_1089	41088	1089	25.768	64.426	-1.381	-2.953	-15.392	-315.877	1.08
41089_1089	41089	1089	-25.206	-64.648	1.374	2.463	15.414	310.73	1.08
41089_1090	41089	1090	25.171	68.619	-1.374	-2.463	-26.76	-860.795	1.08
41090_1090	41090	1090	-23.847	-76.046	1.751	3.15	26.826	860.787	1.08
41090_1091	41090	1091	23.704	81.696	-1.751	-3.15	-47.402	-1787.49	1.02
41091_1091	41091	1091	-21.633	-82.268	1.765	3.223	47.53	1791.738	1.02
41091_1092	41091	1092	21.315	88.547	-1.765	-3.223	-70.944	-2924.53	1.02
41092_1092	41092	1092	-18.702	-94.426	-4.464	0.999	70.969	2924.531	1.02
41092_1093	41092	1093	18.253	100.354	4.464	-0.999	-14.983	-4145.93	1.02
41093_1093	41093	1093	-15.622	-100.799	-4.423	7.107	15.669	4145.926	1.02
41093_1094	41093	1094	15.016	106.721	4.423	-7.107	39.89	-5449.16	1
41094_1094	41094	1094	-462.759	37.769	4.261	-2.739	-109.329	1247.945	1
41094_1095	41094	1095	462.759	-33.264	-4.261	2.739	68.831	-910.412	1
41095_1095	41095	1095	-462.757	33.264	4.387	-2.711	-68.831	887.28	1
41095_1096	41095	1096	462.757	-29.589	-4.387	2.711	34.819	-643.633	1
41096_1096	41096	1096	-462.745	29.589	5.566	-1.071	-34.819	643.638	1
41096_1097	41096	1097	462.745	-25.919	-5.566	1.071	-8.273	-428.755	1
41097_1097	41097	1097	-462.799	21.265	-0.632	-0.87	8.273	428.751	1
41097_1098	41097	1098	462.799	-17.472	0.632	0.87	-3.217	-273.753	1
41098_1098	41098	1098	-462.8	17.472	-0.054	-0.528	3.217	273.754	1
41098_1099	41098	1099	462.8	-13.679	0.054	0.528	-2.788	-149.114	1
41099_1099	41099	1099	-462.8	13.679	-0.054	-0.528	2.788	149.114	1
41099_1100	41099	1100	462.8	-9.886	0.054	0.528	-2.36	-54.828	1
41100_1100	41100	1100	-462.781	3.999	2.52	0.116	2.36	54.823	1
41100_1101	41100	1101	462.781	-1.155	-2.52	-0.116	-17.484	-39.358	1
41101_1101	41101	1101	-462.781	1.155	2.503	0.114	17.484	39.358	1
41101_1102	41101	1102	462.781	1.685	-2.503	-0.114	-32.483	-40.948	1
41102_1102	41102	1102	-462.779	-1.685	-2.875	-0.362	32.483	40.946	1
41102_1103	41102	1103	462.779	4.531	2.875	0.362	-15.224	-59.605	1
41103_1103	41103	1103	-462.783	-4.531	-2.104	-0.262	15.224	59.606	1
41103_1104	41103	1104	462.783	7.376	2.104	0.262	-2.592	-95.346	1
41104_1104	41104	1104	-462.781	-13.254	-0.06	0.268	2.592	95.345	1
41104_1105	41104	1105	462.781	17.043	0.06	-0.268	-2.112	-216.438	1
41105_1105	41105	1105	-462.78	-17.043	0.536	0.547	2.112	216.438	1
41105_1106	41105	1106	462.78	20.836	-0.536	-0.547	-6.401	-368.023	1
41106_1106	41106	1106	-462.78	-20.836	0.536	0.547	6.401	368.023	1
41106_1107	41106	1107	462.78	24.63	-0.536	-0.547	-10.69	-549.971	1
41107_1107	41107	1107	-462.804	-29.352	-4.483	1.682	10.69	549.969	1
41107_1108	41107	1108	462.804	33.022	4.483	-1.682	24.019	-791.451	1
41108_1108	41108	1108	-462.804	-33.022	-4.466	1.711	-24.019	791.451	1
41108_1109	41108	1109	462.804	36.697	4.466	-1.711	58.643	-1061.72	1
41109_1109	41109	1109	-462.808	-36.697	-3.995	2.565	-58.643	1088.027	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
41109_1110	41109	1110	462.808	41.202	3.995	-2.565	96.606	-1458.18	1.01
41110_1110	41110	1110	-15.985	104.916	4.1	-7.147	-27.075	5675.547	1.01
41110_1111	41110	1111	16.591	-98.994	-4.1	7.147	-24.426	-4395.03	1.01
41111_1111	41111	1111	-19.175	98.524	4.144	-0.685	23.691	4395.04	1.01
41111_1112	41111	1112	19.625	-92.597	-4.144	0.685	-75.65	-3196.73	1.01
41112_1112	41112	1112	-22.267	86.808	-2.189	-3.968	75.679	3196.788	1.01
41112_1113	41112	1113	22.585	-80.526	2.189	3.968	-46.629	-2086.47	1.03
41113_1113	41113	1113	-24.613	79.931	-2.156	-2.183	46.439	2082.093	1.03
41113_1114	41113	1114	24.754	-74.376	2.156	2.183	-21.116	-1175.8	1.03
41114_1114	41114	1114	-26.032	67.217	-0.851	-3.675	21.087	1175.815	1.03
41114_1115	41114	1115	26.066	-63.314	0.851	3.675	-14.061	-637.225	1.11
41115_1115	41115	1115	-26.621	63.084	-0.793	-2.445	14.028	638.489	1.11
41115_1116	41115	1116	26.621	-56.096	0.793	2.445	-2.31	241.825	1
41116_1116	41116	1116	-26.621	48.775	-0.121	-2.01	2.31	-241.823	1
41116_1117	41116	1117	26.621	-43.453	0.121	2.01	-0.947	760.697	1
41117_1117	41117	1117	-26.621	43.453	-0.098	-2.686	0.947	-760.695	1
41117_1118	41117	1118	26.621	-38.131	0.098	2.686	0.15	1219.677	1
41118_1118	41118	1118	-26.621	30.052	-0.065	0.002	-0.15	-1219.68	1
41118_1119	41118	1119	26.621	-24.726	0.065	-0.002	0.878	1528.12	1
41119_1119	41119	1119	-26.621	24.726	-0.018	-2.691	-0.878	-1528.12	1
41119_1120	41119	1120	26.621	-19.404	0.018	2.691	1.078	1776.375	1
41120_1120	41120	1120	-26.621	10.665	-0.03	0.959	-1.078	-1776.38	1
41120_1121	41120	1121	26.621	-4.941	0.03	-0.959	1.443	1870.807	1
41121_1121	41121	1121	-26.621	4.941	-0.008	-0.566	-1.443	-1870.81	1
41121_1122	41121	1122	26.621	0.778	0.008	0.566	1.546	1895.979	1
41122_1122	41122	1122	-26.621	-9.598	-0.13	2.453	-1.546	-1895.98	1
41122_1123	41122	1123	26.621	14.924	0.13	-2.453	3.009	1757.908	1
41123_1123	41123	1123	-26.621	-14.924	-0.107	0.909	-3.009	-1757.91	1
41123_1124	41123	1124	26.621	20.246	0.107	-0.909	4.209	1560.065	1
41124_1124	41124	1124	-26.621	-28.312	-0.074	3.825	-4.209	-1560.07	1
41124_1125	41124	1125	26.621	33.638	0.074	-3.825	5.042	1211.273	1
41125_1125	41125	1125	-26.622	-33.638	-0.027	1.682	-5.042	-1211.28	1
41125_1126	41125	1126	26.622	38.959	0.027	-1.682	5.344	802.904	1
41126_1126	41126	1126	-26.621	-46.108	0.967	3.145	-5.344	-802.907	1
41126_1127	41126	1127	26.621	52.707	-0.967	-3.145	-8.146	113.655	1
41127_1127	41127	1127	-26.167	-52.933	0.996	2.687	8.169	-120.652	1
41127_1128	41127	1128	26.134	56.835	-0.996	-2.687	-16.39	-332.164	1
41128_1128	41128	1128	-25.043	-63.938	2.146	2.171	16.426	332.159	1
41128_1129	41128	1129	24.904	69.496	-2.146	-2.171	-41.646	-1116.34	1.07
41129_1129	41129	1129	-23.11	-70.112	2.201	4.128	41.841	1124.777	1.07
41129_1130	41129	1130	22.787	76.511	-2.201	-4.128	-71.045	-2097.4	1.04
41130_1130	41130	1130	-20.445	-82.286	-5.775	2.352	71.127	2097.392	1.04
41130_1131	41130	1131	19.987	88.324	5.775	-2.352	1.272	-3166.76	1.03
41131_1131	41131	1131	-17.674	-88.817	-5.754	4.909	-0.952	3166.761	1.03
41131_1132	41131	1132	17.056	94.859	5.754	-4.909	73.309	-4321.64	1.03
41132_1132	41132	1132	-417.873	38.184	11.026	0.461	-164.52	885.753	1.03
41132_1133	41132	1133	417.873	-33.596	-11.026	-0.461	59.777	-544.796	1
41133_1133	41133	1133	-417.887	33.596	10.486	-2.475	-59.777	455.814	1
41133_1134	41133	1134	417.887	-29.853	-10.486	2.475	-21.492	-209.95	1
41134_1134	41134	1134	-417.999	29.853	4.015	-5.725	21.492	209.887	1
41134_1135	41134	1135	417.999	-26.109	-4.015	5.725	-52.616	6.995	1
41135_1135	41135	1135	-417.937	21.606	-0.96	-1.046	52.616	-6.92	1
41135_1136	41135	1136	417.937	-17.741	0.96	1.046	-44.934	164.338	1
41136_1136	41136	1136	-417.936	17.741	-1.482	-0.841	44.934	-164.34	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
41136_1137	41136	1137	417.936	-13.876	1.482	0.841	-33.073	290.836	1
41137_1137	41137	1137	-417.937	13.876	-0.96	-1.204	33.073	-290.835	1
41137_1138	41137	1138	417.937	-10.011	0.96	1.204	-25.391	386.404	1
41138_1138	41138	1138	-417.954	3.585	-0.785	0.257	25.391	-386.388	1
41138_1139	41138	1139	417.954	-0.692	0.785	-0.257	-20.691	399.2	1
41139_1139	41139	1139	-417.955	0.692	-0.073	-0.423	20.691	-399.2	1
41139_1140	41139	1140	417.955	2.207	0.073	0.423	-20.251	394.653	1
41140_1140	41140	1140	-417.955	-2.207	-0.073	-0.423	20.251	-394.653	1
41140_1141	41140	1141	417.955	5.106	0.073	0.423	-19.812	372.711	1
41141_1141	41141	1141	-417.954	-5.106	-0.769	0.198	19.812	-372.711	1
41141_1142	41141	1142	417.954	8.004	0.769	-0.198	-15.195	333.372	1
41142_1142	41142	1142	-417.96	-14.331	0.178	0.627	15.195	-333.353	1
41142_1143	41142	1143	417.96	18.196	-0.178	-0.627	-16.621	203.219	1
41143_1143	41143	1143	-417.96	-18.196	0.178	0.627	16.621	-203.219	1
41143_1144	41143	1144	417.96	22.061	-0.178	-0.627	-18.048	42.16	1
41144_1144	41144	1144	-417.96	-22.061	-0.344	0.679	18.048	-42.159	1
41144_1145	41144	1145	417.96	25.926	0.344	-0.679	-15.296	-149.83	1
41145_1145	41145	1145	-417.859	-30.74	-4.964	2.524	15.296	149.866	1
41145_1146	41145	1146	417.859	34.479	4.964	-2.524	23.135	-402.315	1
41146_1146	41146	1146	-417.86	-34.479	-4.953	2.535	-23.135	402.315	1
41146_1147	41146	1147	417.86	38.223	4.953	-2.535	61.528	-684.094	1
41147_1147	41147	1147	-417.863	-38.223	-4.684	2.044	-61.528	767.246	1
41147_1148	41147	1148	417.863	42.812	4.684	-2.044	106.031	-1152.24	1
41148_1148	41148	1148	-21.489	92.032	3.62	-4.885	-27.564	4624.921	1
41148_1149	41148	1149	22.105	-85.993	-3.62	4.885	-17.926	-3506.24	1
41149_1149	41149	1149	-24.343	85.386	3.644	-2.612	17.585	3506.244	1
41149_1150	41149	1150	24.8	-79.352	-3.644	2.612	-63.233	-2474.31	1
41150_1150	41150	1150	-26.983	72.789	-1.847	-3.461	63.11	2474.37	1
41150_1151	41150	1151	27.306	-66.388	1.847	3.461	-38.6	-1550.94	1
41151_1151	41151	1151	-28.997	65.668	-1.825	-2.771	38.457	1541.189	1
41151_1152	41151	1152	29.141	-59.838	1.825	2.771	-16.997	-803.461	1
41152_1152	41152	1152	-30.186	52.391	-0.872	-2.558	16.946	803.473	1
41152_1153	41152	1153	30.221	-48.298	0.872	2.558	-9.751	-388.029	1
41153_1153	41153	1153	-30.632	48.039	-0.865	-2.465	9.728	384.942	1
41153_1154	41153	1154	30.632	-41.222	0.865	2.465	2.158	228.406	1
41154_1154	41154	1154	-30.645	34.093	-0.19	-1.482	-2.158	-228.39	1
41154_1155	41154	1155	30.645	-28.635	0.19	1.482	4.254	573.471	1
41155_1155	41155	1155	-30.646	28.635	-0.163	-2.003	-4.254	-573.469	1
41155_1156	41155	1156	30.646	-23.178	0.163	2.003	6.043	858.503	1
41156_1156	41156	1156	-30.65	15.825	0.063	0.131	-6.043	-858.478	1
41156_1157	41156	1157	30.65	-10.854	-0.063	-0.131	5.411	992.165	1
41157_1157	41157	1157	-30.65	10.854	0.093	-0.839	-5.411	-992.165	1
41157_1158	41157	1158	30.65	-5.888	-0.093	0.839	4.479	1075.972	1
41158_1158	41158	1158	-30.647	-1.234	-0.11	1.343	-4.479	-1075.95	1
41158_1159	41158	1159	30.647	6.205	0.11	-1.343	5.582	1038.672	1
41159_1159	41159	1159	-30.647	-6.205	-0.08	0.327	-5.582	-1038.67	1
41159_1160	41159	1160	30.647	11.171	0.08	-0.327	6.384	951.689	1
41160_1160	41160	1160	-30.654	-18.426	0.23	2.128	-6.384	-951.669	1
41160_1161	41160	1161	30.654	23.883	-0.23	-2.128	3.849	718.921	1
41161_1161	41161	1161	-30.654	-23.883	0.23	2.128	-3.849	-718.921	1
41161_1162	41161	1162	30.654	29.34	-0.23	-2.128	1.314	426.132	1
41162_1162	41162	1162	-30.666	-36.281	0.839	2.615	-1.314	-426.118	1
41162_1163	41162	1163	30.666	43.097	-0.839	-2.615	-10.214	-119.325	1
41163_1163	41163	1163	-30.3	-43.356	0.832	2.56	10.236	121.502	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
41163_1164	41163	1164	30.266	47.448	-0.832	-2.56	-17.101	-496.161	1
41164_1164	41164	1164	-29.35	-54.739	1.855	2.993	17.158	496.173	1
41164_1165	41164	1165	29.207	60.568	-1.855	-2.993	-38.959	-1173.94	1
41165_1165	41165	1165	-27.659	-61.29	1.856	2.54	39.05	1181.91	1
41165_1166	41165	1166	27.322	68.023	-1.856	-2.54	-63.678	-2039.86	1
41166_1166	41166	1166	-25.046	-74.604	-3.544	2.577	63.845	2039.915	1
41166_1167	41166	1167	24.569	80.95	3.544	-2.577	-19.446	-3014.31	1
41167_1167	41167	1167	-22.444	-81.566	-3.519	4.515	19.756	3014.308	1
41167_1168	41167	1168	21.798	87.917	3.519	-4.515	24.467	-4079.25	1
41168_1168	41168	1168	-397.14	43.931	4.269	-2.777	-97.015	947.819	1
41168_1169	41168	1169	397.14	-39.104	-4.269	2.777	56.452	-553.316	1
41169_1169	41169	1169	-397.138	39.104	4.431	-3.474	-56.452	470.614	1
41169_1170	41169	1170	397.138	-35.166	-4.431	3.474	22.108	-182.757	1
41170_1170	41170	1170	-397.138	35.166	4.431	-3.474	-22.108	182.757	1
41170_1171	41170	1171	397.138	-31.228	-4.431	3.474	-12.236	74.576	1
41171_1171	41171	1171	-397.049	26.079	0.372	-1.214	12.236	-74.527	1
41171_1172	41171	1172	397.049	-22.014	-0.372	1.214	-15.215	266.939	1
41172_1172	41172	1172	-397.049	22.014	-0.134	-0.874	15.215	-266.941	1
41172_1173	41172	1173	397.049	-17.954	0.134	0.874	-14.143	426.652	1
41173_1173	41173	1173	-397.049	17.954	0.372	-1.418	14.143	-426.65	1
41173_1174	41173	1174	397.049	-13.89	-0.372	1.418	-17.122	554.052	1
41174_1174	41174	1174	-397.046	7.161	0.222	-0.342	17.122	-554.032	1
41174_1175	41174	1175	397.046	-4.113	-0.222	0.342	-18.452	587.86	1
41175_1175	41175	1175	-397.046	4.113	-0.44	0.637	18.452	-587.86	1
41175_1176	41175	1176	397.046	-1.064	0.44	-0.637	-15.812	603.393	1
41176_1176	41176	1176	-397.046	1.064	0.222	-0.368	15.812	-603.394	1
41176_1177	41176	1177	397.046	1.985	-0.222	0.368	-17.141	600.631	1
41177_1177	41177	1177	-397.046	-1.985	0.222	-0.368	17.141	-600.631	1
41177_1178	41177	1178	397.046	5.033	-0.222	0.368	-18.471	579.573	1
41178_1178	41178	1178	-397.046	-11.73	-0.254	1.334	18.471	-579.552	1
41178_1179	41178	1179	397.046	15.79	0.254	-1.334	-16.444	469.582	1
41179_1179	41179	1179	-397.046	-15.79	0.253	0.735	16.444	-469.583	1
41179_1180	41179	1180	397.046	19.855	-0.253	-0.735	-18.469	326.974	1
41180_1180	41180	1180	-397.046	-19.855	0.253	0.735	18.469	-326.974	1
41180_1181	41180	1181	397.046	23.92	-0.253	-0.735	-20.494	151.839	1
41181_1181	41181	1181	-396.948	-28.964	-4.99	3.426	20.494	-151.787	1
41181_1182	41181	1182	396.948	32.902	4.99	-3.426	18.189	-87.993	1
41182_1182	41182	1182	-396.948	-32.902	-4.99	3.426	-18.189	87.993	1
41182_1183	41182	1183	396.948	36.84	4.99	-3.426	56.873	-358.298	1
41183_1183	41183	1183	-396.946	-36.84	-5.152	2.326	-56.873	431.821	1
41183_1184	41183	1184	396.946	41.667	5.152	-2.326	105.828	-804.808	1.02
41184_1184	41184	1184	-21.739	89.577	4.078	-2.717	-22.149	3923.082	1.02
41184_1185	41184	1185	22.382	-83.231	-4.078	2.717	-29.059	-2838.14	1.03
41185_1185	41185	1185	-24.565	82.614	4.054	-5.698	29.144	2838.138	1.03
41185_1186	41185	1186	25.04	-76.263	-4.054	5.698	-79.974	-1842.16	1.04
41186_1186	41186	1186	-27.123	69.464	-2.165	-2.946	79.57	1842.238	1.04
41186_1187	41186	1187	27.458	-62.732	2.165	2.946	-50.848	-965.173	1.08
41187_1187	41187	1187	-29.039	62.016	-2.166	-3.715	50.744	957.192	1.08
41187_1188	41187	1188	29.188	-55.916	2.166	3.715	-25.28	-263.989	1.08
41188_1188	41188	1188	-30.16	48.349	-1.069	-3.313	25.211	264.005	1.08
41188_1189	41188	1189	30.197	-44.071	1.069	3.313	-16.397	116.859	1
41189_1189	41189	1189	-30.566	43.815	-1.083	-3.219	16.368	-121.91	1
41189_1190	41189	1190	30.566	-36.677	1.083	3.219	-1.467	675.419	1
41190_1190	41190	1190	-30.581	29.426	-0.34	-3.128	1.467	-675.399	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
41190_1191	41190	1191	30.581	-23.716	0.34	3.128	2.277	967.736	1
41191_1191	41191	1191	-30.581	23.716	-0.368	-2.249	-2.277	-967.738	1
41191_1192	41191	1192	30.581	-18.005	0.368	2.249	6.327	1197.255	1
41192_1192	41192	1192	-30.584	10.344	-0.187	-0.132	-6.327	-1197.21	1
41192_1193	41192	1193	30.584	-5.095	0.187	0.132	8.218	1275.271	1
41193_1193	41193	1193	-30.584	5.095	-0.157	-1.393	-8.218	-1275.27	1
41193_1194	41193	1194	30.584	0.153	0.157	1.393	9.804	1300.261	1
41194_1194	41194	1194	-30.585	-7.475	-0.161	1.009	-9.804	-1300.24	1
41194_1195	41194	1195	30.585	12.723	0.161	-1.009	11.434	1198.111	1
41195_1195	41195	1195	-30.585	-12.723	-0.161	1.009	-11.434	-1198.11	1
41195_1196	41195	1196	30.585	17.971	0.161	-1.009	13.063	1042.916	1
41196_1196	41196	1196	-30.599	-25.518	0.405	2.333	-13.063	-1042.86	1
41196_1197	41196	1197	30.599	31.228	-0.405	-2.333	8.605	730.696	1
41197_1197	41197	1197	-30.6	-31.228	0.377	3.011	-8.605	-730.694	1
41197_1198	41197	1198	30.6	36.933	-0.377	-3.011	4.463	356.068	1
41198_1198	41198	1198	-30.618	-44.122	1.092	3.366	-4.463	-356.055	1
41198_1199	41198	1199	30.618	51.26	-1.092	-3.366	-10.557	-299.837	1.03
41199_1199	41199	1199	-30.188	-51.515	1.085	3.463	10.586	307.124	1.03
41199_1200	41199	1200	30.152	55.798	-1.085	-3.463	-19.538	-749.897	1.03
41200_1200	41200	1200	-29.116	-63.367	2.195	4.428	19.622	749.927	1.03
41200_1201	41200	1201	28.967	69.466	-2.195	-4.428	-45.423	-1530.72	1.03
41201_1201	41201	1201	-27.204	-70.176	2.196	4.014	45.557	1540.281	1.03
41201_1202	41201	1202	26.853	77.234	-2.196	-4.014	-74.67	-2517.54	1.02
41202_1202	41202	1202	-24.277	-84.187	-4.969	6.148	75.043	2517.675	1.02
41202_1203	41202	1203	23.781	90.851	4.969	-6.148	-12.748	-3614.92	1.01
41203_1203	41203	1203	-21.428	-91.434	-4.969	5.817	12.902	3614.92	1.01
41203_1204	41203	1204	20.758	98.098	4.969	-5.817	49.533	-4805.71	1.01
41204_1204	41204	1204	-444.944	44.394	6.005	-4.042	-150.517	1136.317	1.01
41204_1205	41204	1205	444.944	-39.33	-6.005	4.042	93.459	-738.548	1
41205_1205	41205	1205	-444.948	39.33	5.706	-6.083	-93.459	618.085	1
41205_1206	41205	1206	444.948	-35.203	-5.706	6.083	49.283	-329.579	1
41206_1206	41206	1206	-444.948	35.203	5.718	-6.074	-49.283	329.579	1
41206_1207	41206	1207	444.948	-31.072	-5.718	6.074	4.959	-72.708	1
41207_1207	41207	1207	-444.809	25.682	0.247	-1.564	-4.959	72.829	1
41207_1208	41207	1208	444.809	-21.417	-0.247	1.564	2.986	115.614	1
41208_1208	41208	1208	-444.808	21.417	0.802	-1.708	-2.986	-115.611	1
41208_1209	41208	1209	444.808	-17.153	-0.802	1.708	-3.433	269.923	1
41209_1209	41209	1209	-444.808	17.153	0.802	-1.708	3.433	-269.923	1
41209_1210	41209	1210	444.808	-12.888	-0.802	1.708	-9.853	390.108	1
41210_1210	41210	1210	-444.801	5.857	-0.209	0.399	9.853	-390.07	1
41210_1211	41210	1211	444.801	-2.659	0.209	-0.399	-8.599	415.625	1
41211_1211	41211	1211	-444.801	2.659	0.532	-0.294	8.599	-415.625	1
41211_1212	41211	1212	444.801	0.54	-0.532	0.294	-11.793	421.983	1
41212_1212	41212	1212	-444.801	-0.54	0.517	-0.28	11.793	-421.983	1
41212_1213	41212	1213	444.801	3.733	-0.517	0.28	-14.892	409.182	1
41213_1213	41213	1213	-444.801	-3.733	-0.209	0.388	14.892	-409.182	1
41213_1214	41213	1214	444.801	6.932	0.209	-0.388	-13.638	377.179	1
41214_1214	41214	1214	-444.788	-14.033	-0.002	1.659	13.638	-377.131	1
41214_1215	41214	1215	444.788	18.298	0.002	-1.659	-13.624	247.779	1
41215_1215	41215	1215	-444.787	-18.298	-0.557	1.968	13.624	-247.777	1
41215_1216	41215	1216	444.787	22.563	0.557	-1.968	-9.163	84.294	1
41216_1216	41216	1216	-444.788	-22.563	-0.002	1.863	9.163	-84.296	1
41216_1217	41216	1217	444.788	26.828	0.002	-1.863	-9.149	-113.309	1
41217_1217	41217	1217	-444.652	-32.156	-5.34	5.749	9.149	113.416	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
41217_1218	41217	1218	444.652	36.288	5.34	-5.749	32.246	-378.695	1
41218_1218	41218	1218	-444.652	-36.288	-5.352	5.739	-32.246	378.695	1
41218_1219	41218	1219	444.652	40.414	5.352	-5.739	73.679	-675.597	1
41219_1219	41219	1219	-444.656	-40.414	-5.053	4.971	-73.679	783.035	1
41219_1220	41219	1220	444.656	45.479	5.053	-4.971	121.696	-1191.11	1
41220_1220	41220	1220	-11.263	102.24	5.454	-14.701	-18.936	4949.64	1
41220_1221	41220	1221	11.929	-95.576	-5.454	14.701	-49.594	-3706.94	1
41221_1221	41221	1221	-14.36	95.235	5.557	1.767	47.886	3706.989	1
41221_1222	41221	1222	14.853	-88.572	-5.557	-1.767	-117.543	-2554.96	1.01
41222_1222	41222	1222	-17.132	83.189	-2.36	-5.467	117.765	2554.777	1.01
41222_1223	41222	1223	17.481	-76.126	2.36	5.467	-86.456	-1497.98	1.01
41223_1223	41223	1223	-19.397	75.663	-2.278	-1.15	86.135	1491.331	1.01
41223_1224	41223	1224	19.553	-69.177	2.278	1.15	-59.358	-640.131	1.03
41224_1224	41224	1224	-20.725	60.881	-1.534	-1.75	59.33	640.12	1.03
41224_1225	41224	1225	20.763	-56.327	1.534	1.75	-46.674	-156.618	1
41225_1225	41225	1225	-21.236	56.153	-1.457	-1.57	46.658	156.67	1
41225_1226	41225	1226	21.236	-47.094	1.457	1.57	-22.756	690.47	1
41226_1226	41226	1226	-21.257	38.403	-0.595	2.047	22.756	-690.337	1
41226_1227	41226	1227	21.257	-31.591	0.595	-2.047	-15.411	1122.207	1
41227_1227	41227	1227	-21.259	31.591	-0.492	-3.418	15.411	-1122.2	1
41227_1228	41227	1228	21.259	-24.785	0.492	3.418	-9.348	1469.779	1
41228_1228	41228	1228	-21.27	15.18	-0.145	3.734	9.348	-1469.38	1
41228_1229	41228	1229	21.27	-8.367	0.145	-3.734	-7.565	1614.673	1
41229_1229	41229	1229	-21.27	8.367	-0.075	-1.52	7.565	-1614.68	1
41229_1230	41229	1230	21.27	-1.56	0.075	1.52	-6.636	1675.888	1
41230_1230	41230	1230	-21.324	-7.804	1.254	4.43	6.636	-1675.24	1
41230_1231	41230	1231	21.324	14.612	-1.254	-4.43	-22.103	1537.016	1
41231_1231	41231	1231	-21.32	-14.612	1.324	-0.584	22.103	-1537.02	1
41231_1232	41231	1232	21.32	21.415	-1.324	0.584	-38.416	1315.031	1
41232_1232	41232	1232	-21.332	-30.244	1.772	5.284	38.416	-1314.61	1
41232_1233	41232	1233	21.332	35.7	-1.772	-5.284	-55.93	988.726	1
41233_1233	41233	1233	-21.326	-35.7	1.84	2.136	55.93	-988.737	1
41233_1234	41233	1234	21.326	42.035	-1.84	-2.136	-77.043	542.72	1.03
41234_1234	41234	1234	-21.15	-42.119	1.936	-0.576	77.041	-542.249	1.03
41234_1235	41234	1235	21.143	43.853	-1.936	0.576	-83.124	407.188	1.03
41235_1235	41235	1235	-20.03	-50.672	-2.819	3.962	83.227	-406.904	1.03
41235_1236	41235	1236	19.944	54.787	2.819	-3.962	-63.08	30.1	1.03
41236_1236	41236	1236	-20.058	-54.748	-2.776	4.025	63.071	-30.111	1.03
41236_1237	41236	1237	19.952	60.344	2.776	-4.025	-36.093	-529.146	1.03
41237_1237	41237	1237	-18.616	-60.772	-2.718	3.588	36.189	537.608	1.03
41237_1238	41237	1238	18.503	63.522	2.718	-3.588	-23.203	-834.537	1.01
41238_1238	41238	1238	-17.409	-72.592	1.663	-2.328	22.942	834.046	1.01
41238_1239	41238	1239	17.068	78.767	-1.663	2.328	-40.792	-1646.53	1.01
41239_1239	41239	1239	-15.419	-79.104	1.724	1.57	41.097	1646.519	1.01
41239_1240	41239	1240	14.94	85.395	-1.724	-1.57	-59.984	-2547.37	1.01
41240_1240	41240	1240	-11.221	-94.692	-8.68	7.975	60.777	2547.29	1.01
41240_1241	41240	1241	10.544	101.508	8.68	-7.975	42.443	-3713.89	1
41241_1241	41241	1241	-384.321	56.591	-3.087	-11.303	-34.98	827.81	1
41241_1242	41241	1242	384.321	-51.117	3.087	11.303	64.311	-316.03	1
41242_1242	41242	1242	-384.324	51.117	-2.661	-10.808	-64.311	295.152	1
41242_1243	41242	1243	384.324	-49.294	2.661	10.808	72.732	-136.274	1
41243_1243	41243	1243	-384.655	39.145	2.354	-4.646	-72.732	136.734	1
41243_1244	41243	1244	384.655	-33.838	-2.354	4.646	51.042	199.503	1
41244_1244	41244	1244	-384.645	33.838	3.61	-5.297	-51.042	-199.487	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
41244_1245	41244	1245	384.645	-27.843	-3.61	5.297	13.47	520.471	1
41245_1245	41245	1245	-384.249	22.074	-0.943	-0.905	-13.47	-520.053	1
41245_1246	41245	1246	384.249	-16.459	0.943	0.905	22.658	707.873	1
41246_1246	41246	1246	-384.25	16.459	0.299	-3.192	-22.658	-707.867	1
41246_1247	41246	1247	384.25	-10.768	-0.299	3.192	19.705	842.377	1
41247_1247	41247	1247	-384.173	3.73	0.421	2.036	-19.705	-841.865	1
41247_1248	41247	1248	384.173	1.501	-0.421	-2.036	15.886	851.986	1
41248_1248	41248	1248	-384.171	-1.501	1.176	0.361	-15.886	-851.989	1
41248_1249	41248	1249	384.171	7.57	-1.176	-0.361	3.494	804.205	1
41249_1249	41249	1249	-383.814	-13.537	-3.977	4.666	-3.494	-803.822	1
41249_1250	41249	1250	383.814	19.492	3.977	-4.666	44.609	633.095	1
41250_1250	41250	1250	-383.827	-19.492	-2.436	2.123	-44.609	-633.108	1
41250_1251	41250	1251	383.827	24.842	2.436	-2.123	67.231	427.224	1
41251_1251	41251	1251	-383.961	-36.962	1.222	1.105	-67.231	-427.227	1
41251_1252	41251	1252	383.961	42.799	-1.222	-1.105	54.85	23.14	1
41252_1252	41252	1252	-383.956	-42.799	2.389	1.034	-54.85	-23.143	1
41252_1253	41252	1253	383.956	49.255	-2.389	-1.034	28.069	-492.755	1
41253_1253	41253	1253	-383.958	-49.255	2.115	0.72	-28.069	499.634	1
41253_1254	41253	1254	383.958	51.075	-2.115	-0.72	21.384	-658.191	1
41254_1254	41254	1254	-383.853	-59.941	1.661	2.746	-21.384	658.14	1
41254_1255	41254	1255	383.853	63.59	-1.661	-2.746	10.866	-1049.36	1.01
41255_1255	41255	1255	-3.197	97.506	2.865	-5.42	61.616	4002.898	1.01
41255_1256	41255	1256	3.673	-92.862	-2.865	5.42	-84.834	-3231.47	1.01
41256_1256	41256	1256	-5.111	92.794	2.891	-0.343	84.183	3231.494	1.01
41256_1257	41256	1257	5.473	-88.629	-2.891	0.343	-105.164	-2573.16	1.02
41257_1257	41257	1257	-7.723	75.963	-1.309	-6.748	105.461	2572.805	1.02
41257_1258	41257	1258	8.137	-70.004	1.309	6.748	-91.884	-1815.92	1.03
41258_1258	41258	1258	-9.645	69.813	-1.271	-3.404	91.462	1815.951	1.03
41258_1259	41258	1259	9.993	-62.545	1.271	3.404	-75.402	-979.869	1.05
41259_1259	41259	1259	-11.634	58.097	-0.157	-3.833	75.27	974.318	1.05
41259_1260	41259	1260	11.79	-51.781	0.157	3.833	-73.611	-394.838	1.05
41260_1260	41260	1260	-12.609	51.588	-0.128	-4.117	73.533	394.85	1.05
41260_1261	41260	1261	12.659	-45.927	0.128	4.117	-72.323	65.973	1
41261_1261	41261	1261	-13.065	45.813	-0.122	-4.802	72.283	-64.676	1
41261_1262	41261	1262	13.065	-43.916	0.122	4.802	-71.898	206.773	1
41262_1262	41262	1262	-13.024	33.565	-2.209	0.988	71.898	-206.626	1
41262_1263	41262	1263	13.024	-26.907	2.209	-0.988	-47.35	542.702	1
41263_1263	41263	1263	-13.031	26.907	-2.163	-0.913	47.35	-542.702	1
41263_1264	41263	1264	13.031	-19.759	2.163	0.913	-21.536	821.167	1
41264_1264	41264	1264	-13.064	10.451	-0.115	2.691	21.536	-821.078	1
41264_1265	41264	1265	13.064	-3.517	0.115	-2.691	-20.206	901.929	1
41265_1265	41265	1265	-13.064	3.517	-0.068	-0.553	20.206	-901.933	1
41265_1266	41265	1266	13.064	3.36	0.068	0.553	-19.426	902.831	1
41266_1266	41266	1266	-13.066	-12.604	0.394	2.716	19.426	-902.79	1
41266_1267	41266	1267	13.066	19.6	-0.394	-2.716	-24.025	714.753	1
41267_1267	41267	1267	-13.065	-19.6	0.426	0.954	24.025	-714.757	1
41267_1268	41267	1268	13.065	26.41	-0.426	-0.954	-28.869	453.218	1
41268_1268	41268	1268	-13.064	-35.574	0.352	2.903	28.869	-453.228	1
41268_1269	41268	1269	13.064	43.391	-0.352	-2.903	-33.468	-62.015	1
41269_1269	41269	1269	-13.062	-43.391	0.395	3.105	33.468	62.005	1
41269_1270	41269	1270	13.062	50.25	-0.395	-3.105	-37.991	-598.164	1
41270_1270	41270	1270	-13.063	-57.107	-0.776	2.399	37.991	598.152	1
41270_1271	41270	1271	13.063	62.597	0.776	-2.399	-30.88	-1146.74	1
41271_1271	41271	1271	-13.065	-62.597	-0.742	5.331	30.88	1146.726	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
41271_1272	41271	1272	13.065	69.281	0.742	-5.331	-22.597	-1882.49	1.07
41272_1272	41272	1272	-12.723	-69.345	-0.709	9.962	22.646	1882.984	1.07
41272_1273	41272	1273	12.711	71.844	0.709	-9.962	-19.687	-2177.5	1.07
41273_1273	41273	1273	-11.818	-82.344	1.257	-6.411	19.544	2177.741	1.07
41273_1274	41273	1274	11.747	87.107	-1.257	6.411	-29.54	-2851.56	1.04
41274_1274	41274	1274	-10.599	-87.254	1.276	-2.647	29.57	2851.568	1.04
41274_1275	41274	1275	10.467	91.97	-1.276	2.647	-39.619	-3557.36	1.03
41275_1275	41275	1275	-9.356	-92.089	1.324	10.31	40.122	3560.17	1.03
41275_1276	41275	1276	9.256	94.59	-1.324	-10.31	-45.657	-3950.29	1.03
41276_1276	41276	1276	-7.722	-99.221	-10.413	-15.62	44.421	3950.516	1.03
41276_1277	41276	1277	7.33	106.396	10.413	15.62	78.042	-5159.56	1.02
41277_1277	41277	1277	-4.867	-106.542	-10.362	6.129	-76.829	5159.597	1.02
41277_1278	41277	1278	4.257	114.333	10.362	-6.129	209.37	-6572.15	1.02
41278_1278	41278	1278	-1.019	-121.014	5.222	-19.774	-212.272	6572.216	1.02
41278_1279	41278	1279	0.428	126.866	-5.222	19.774	162	-7765.38	1
41279_1279	41279	1279	-535.836	76.046	1.513	7.53	-164.612	2652.765	1
41279_1280	41279	1280	535.836	-70.24	-1.513	-7.53	150.231	-1957.74	1
41280_1280	41280	1280	-535.835	70.24	1.811	8.446	-150.231	1907.231	1
41280_1281	41280	1281	535.835	-66.928	-1.811	-8.446	140.415	-1535.49	1
41281_1281	41281	1281	-535.827	59.521	2.295	-3.605	-140.415	1708.098	1
41281_1282	41281	1282	535.827	-53.675	-2.295	3.605	112.056	-1008.58	1
41282_1282	41282	1282	-535.818	53.675	3.897	-0.589	-112.056	1008.581	1
41282_1283	41282	1283	535.818	-47.931	-3.897	0.589	64.737	-391.699	1
41283_1283	41283	1283	-535.817	30.725	-1.245	-0.08	-64.737	391.701	1
41283_1284	41283	1284	535.817	-24.856	1.245	0.08	80.178	-46.933	1
41284_1284	41284	1284	-535.818	24.856	0.495	0.073	-80.178	46.933	1
41284_1285	41284	1285	535.818	-19.768	-0.495	-0.073	74.857	193.088	1
41285_1285	41285	1285	-535.825	7.73	2.629	-0.233	-74.857	-193.081	1
41285_1286	41285	1286	535.825	-2.437	-2.629	0.233	45.438	249.967	1
41286_1286	41286	1286	-535.814	2.437	4.235	-0.982	-45.438	-249.965	1
41286_1287	41286	1287	535.814	2.484	-4.235	0.982	1.381	249.724	1
41287_1287	41287	1287	-535.865	-16.179	-4.956	-0.245	-1.381	-249.729	1
41287_1288	41287	1288	535.865	22.374	4.956	0.245	66.297	-2.742	1
41288_1288	41288	1288	-535.879	-22.374	-3.112	-0.236	-66.297	2.742	1
41288_1289	41288	1289	535.879	27.682	3.112	0.236	101.224	-283.607	1
41289_1289	41289	1289	-535.841	-38.676	7.006	7.643	-101.224	283.569	1
41289_1290	41289	1290	535.841	40.57	-7.006	-7.643	73.167	-442.247	1
41290_1290	41290	1290	-535.83	-40.57	7.778	8.703	-73.167	471.362	1
41290_1291	41290	1291	535.83	45.063	-7.778	-8.703	-0.723	-878.115	1.02
41291_1291	41291	1291	1.681	167.879	17.234	-23.075	9.804	5232.005	1.02
41291_1292	41291	1292	-1.328	-164.382	-17.234	23.075	-137.875	-3997.47	1.02
41292_1292	41292	1292	-4.059	146.718	-4.638	-8.632	135.921	3997.506	1.02
41292_1293	41292	1293	4.517	-140.743	4.638	8.632	-77.16	-2176.58	1.03
41293_1293	41293	1293	-8.419	140.566	-4.568	-0.85	76.407	2176.619	1.03
41293_1294	41293	1294	8.679	-135.281	4.568	0.85	-25.302	-633.742	1.05
41294_1294	41294	1294	-11.735	123.582	-1.807	-1.707	25.29	633.743	1.05
41294_1295	41294	1295	11.834	-120.192	1.807	1.707	-12.548	225.755	1.14
41295_1295	41295	1295	-13.889	119.972	-1.746	-2.496	12.524	-228.587	1.14
41295_1296	41295	1296	13.93	-116.53	1.746	2.496	-0.029	1074.949	1
41296_1296	41296	1296	-15.251	116.365	-1.73	-3.623	0.001	-1074.95	1
41296_1297	41296	1297	15.253	-112.134	1.73	3.623	15.212	2079.73	1
41297_1297	41297	1297	-15.319	97.086	0.182	6.795	-15.214	-2079.73	1
41297_1298	41297	1298	15.319	-95.137	-0.182	-6.795	14.477	2469.2	1
41298_1298	41298	1298	-15.318	95.137	0.207	2.863	-14.477	-2465.08	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
41298_1299	41298	1299	15.318	-91.065	-0.207	-2.863	12.728	3253.247	1
41299_1299	41299	1299	-15.317	91.065	0.256	-7.557	-12.728	-3253.24	1
41299_1300	41299	1300	15.317	-85.3	-0.256	7.557	9.664	4310.141	1
41300_1300	41300	1300	-15.317	67.847	0.157	10.202	-9.664	-4310.14	1
41300_1301	41300	1301	15.317	-61.516	-0.157	-10.202	7.591	5161.574	1
41301_1301	41301	1301	-15.316	61.516	0.219	-10.483	-7.591	-5161.57	1
41301_1302	41301	1302	15.316	-56.067	-0.219	10.483	5.112	5827.587	1
41302_1302	41302	1302	-15.315	37.337	0.273	15.903	-5.112	-5827.6	1
41302_1303	41302	1303	15.315	-30.861	-0.273	-15.903	1.435	6286.659	1
41303_1303	41303	1303	-15.314	30.861	0.345	-13.585	-1.435	-6286.67	1
41303_1304	41303	1304	15.314	-25.551	-0.345	13.585	-2.374	6598.086	1
41304_1304	41304	1304	-15.312	6.099	0.665	16.734	2.374	-6598.13	1
41304_1305	41304	1305	15.312	0.186	-0.665	-16.734	-11.063	6636.755	1
41305_1305	41305	1305	-15.309	-0.186	0.726	-9.662	11.063	-6636.77	1
41305_1306	41305	1306	15.309	5.684	-0.726	9.662	-19.361	6603.221	1
41306_1306	41306	1306	-15.306	-24.854	1.156	17.417	19.361	-6603.23	1
41306_1307	41306	1307	15.306	30.56	-1.156	-17.417	-33.074	6274.559	1
41307_1307	41307	1307	-15.302	-30.56	1.209	-4.496	33.074	-6274.58	1
41307_1308	41307	1308	15.302	36.638	-1.209	4.496	-48.358	5850.021	1
41308_1308	41308	1308	-15.299	-54.663	0.492	17.179	48.358	-5850.06	1
41308_1309	41308	1309	15.299	60.514	-0.492	-17.179	-54.336	5149.586	1
41309_1309	41309	1309	-15.297	-60.514	0.55	-2.561	54.336	-5149.61	1
41309_1310	41309	1310	15.297	66.45	-0.55	2.561	-61.126	4366.192	1
41310_1310	41310	1310	-15.299	-82.678	-1.407	14.523	61.126	-4366.23	1
41310_1311	41310	1311	15.299	88.84	1.407	-14.523	-43.101	3267.679	1
41311_1311	41311	1311	-15.305	-88.84	-1.349	2.013	43.101	-3267.71	1
41311_1312	41311	1312	15.305	94.988	1.349	-2.013	-25.865	2092.924	1
41312_1312	41312	1312	-15.311	-106.743	-1.441	12.023	25.865	-2092.97	1
41312_1313	41312	1313	15.311	115.378	1.441	-12.023	0	99.155	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1	2	3	4	5	6	7	8	9
1000_1000	1000	1000	80.17275	558.7391	0.219188	-10.0196	0	-449.61
1000_1001	1000	1001	-24.8679	-484.152	-0.21919	10.01963	-3.73669	9062.659
1001_1001	1001	1001	24.86138	484.1445	0.213938	6.229125	3.736688	-9062.63
1001_1002	1001	1002	3.949313	-436.541	-0.21394	-6.22913	-6.0585	13926.48
1002_1002	1002	1002	-4.01625	404.3091	0.861	-9.41456	6.0585	-13925.4
1002_1003	1002	1003	29.68481	-350.831	-0.861	9.414563	-16.5572	18411.33
1003_1003	1003	1003	-29.6835	350.8247	0.858375	4.658063	16.55719	-18411.3
1003_1004	1003	1004	48.97463	-297.342	-0.85838	-4.65806	-27.0283	22274.95
1004_1004	1004	1004	-48.9038	270.606	0.695625	-11.8335	27.02831	-22273.3
1004_1005	1004	1005	66.29831	-217.109	-0.69563	11.8335	-35.5058	25168.2
1005_1005	1005	1005	-66.2996	217.1006	0.693	7.536375	35.50575	-25168.2
1005_1006	1005	1006	77.31281	-163.598	-0.693	-7.53638	-43.953	27440.24
1006_1006	1006	1006	-77.3181	131.7829	0.122063	-12.2154	43.953	-27438.6
1006_1007	1006	1007	85.91231	-78.309	-0.12206	12.21544	-45.4401	28680.69
1007_1007	1007	1007	-85.9123	78.30244	0.119438	9.904125	45.44006	-28680.7
1007_1008	1007	1008	88.12913	-24.8233	-0.11944	-9.90413	-46.8969	29300.25
1008_1008	1008	1008	-88.1173	-7.8225	0.475125	-9.81225	46.89694	-29299.2
1008_1009	1008	1009	88.39556	61.27406	-0.47513	9.81225	-52.689	28877.98
1009_1009	1009	1009	-88.3956	-61.2806	0.473813	9.761063	52.689	-28878
1009_1010	1009	1010	82.29375	114.7808	-0.47381	-9.76106	-58.4627	27833.56
1010_1010	1010	1010	-82.2924	-147.392	0.009188	-20.0196	58.46269	-27833.1
1010_1011	1010	1011	74.10506	200.8598	-0.00919	20.01956	-58.5808	25749.44
1011_1011	1011	1011	-74.1051	-200.866	0.003938	21.94238	58.58081	-25749.4
1011_1012	1011	1012	59.55338	254.3008	-0.00394	-21.9424	-58.6359	23045.31
1012_1012	1012	1012	-59.5547	-287.951	-0.882	8.927625	58.63594	-23045.3
1012_1013	1012	1013	41.89106	341.4338	0.882	-8.92763	-47.8839	19290.79
1013_1013	1013	1013	-41.8924	-341.44	-0.87938	-5.71988	47.88394	-19290.8
1013_1014	1013	1014	17.85263	394.9181	0.879375	5.719875	-37.1634	14914.06
1014_1014	1014	1014	-17.8487	-428.123	0.526313	5.146313	37.16344	-14914.1
1014_1015	1014	1015	-21.1693	501.5181	-0.52631	-5.14631	-45.9611	7317.972
1015_1015	1015	1015	18.81338	-499.959	0.559125	-3.44794	47.20406	-7265.71
1015_1016	1015	1016	-46.3824	534.0379	-0.55913	3.446625	-51.8136	3104.349
1016_1016	1016	1016	93.1245	-561.72	4.617375	-0.567	42.87806	-3277.28
1016_1017	1016	1017	-132.102	610.5789	-4.61738	0.5355	-97.1381	-3647.52
1017_1017	1017	1017	149.0803	-607.856	4.622625	1.442438	97.36913	3646.999
1017_1018	1017	1018	-186.449	666.7277	-4.62263	-1.49494	-158.744	-11933.1
1018_1018	1018	1018	207.0298	-687.157	-3.60544	-13.4033	157.7783	11933.41
1018_1019	1018	1019	-232.519	745.3005	3.605438	13.48988	-112.546	-20695.3
1019_1019	1019	1019	252.6812	-741.311	-3.59888	16.04138	115.9673	20696.25
1019_1020	1019	1020	-270.731	802.8996	3.598875	-15.9456	-70.644	-30010.9
1020_1020	1020	1020	-2804.55	229.0076	-6.44175	-4.29975	210.0446	5240.753
1020_1021	1020	1021	2830.456	-188.71	6.44175	4.29975	-148.834	-3360.18
1021_1021	1021	1021	-2823.9	188.5866	-2.93344	-0.57619	146.2716	3328.169
1021_1022	1021	1022	2842.841	-158.503	2.933438	0.576188	-123.535	-2059.32
1022_1022	1022	1022	-2842.85	158.487	0.695625	1.893938	123.5351	2059.323
1022_1023	1022	1023	2858.877	-128.407	-0.69563	-1.89394	-128.93	-1012.2
1023_1023	1023	1023	-2858.84	103.7518	-13.9414	-0.63919	128.9295	1012.182
1023_1024	1023	1024	2872.245	-72.6994	13.94138	0.639188	-17.4064	-360.306
1024_1024	1024	1024	-2872.24	72.68363	-13.9414	-0.63919	17.40638	360.3062
1024_1025	1024	1025	2882.552	-41.6299	13.94138	0.639188	94.11675	55.48594
1025_1025	1025	1025	-2882.57	37.17919	-10.4239	-0.55388	-94.1168	-55.4859
1025_1026	1025	1026	2886.627	-6.12938	10.42388	0.553875	177.4907	212.3796
1026_1026	1026	1026	-2886.63	-16.2396	-6.59138	-0.65363	-177.491	-212.37
1026_1027	1026	1027	2888.135	39.51675	6.591375	0.653625	217.0179	39.15975
1027_1027	1027	1027	-2888.14	-39.5286	-1.38731	-0.43181	-217.018	-39.1584
1027_1028	1027	1028	2887.904	62.83988	1.387313	0.431813	225.3484	-267.254
1028_1028	1028	1028	-2887.9	-62.8517	-1.89788	-0.50925	-225.348	267.2539
1028_1029	1028	1029	2885.925	86.12494	1.897875	0.50925	236.7304	-705.87

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1029_1029	1029	1029	-2885.93	-86.1368	-1.38731	-0.35438	-236.73	705.8704
1029_1030	1029	1030	2882.2	109.4481	1.387313	0.354375	245.0608	-1278.15
1030_1030	1030	1030	-2882.18	-131.369	10.25325	-0.41869	-245.061	1278.141
1030_1031	1030	1031	2875.149	162.4061	-10.2533	0.418688	163.0821	-2424.27
1031_1031	1031	1031	-2875.15	-162.422	10.62994	-0.08663	-163.082	2424.27
1031_1032	1031	1032	2865.009	193.4966	-10.6299	0.086625	77.99138	-3808.09
1032_1032	1032	1032	-2865.01	-193.512	10.25325	-0.59325	-77.9914	3808.091
1032_1033	1032	1033	2851.79	224.5491	-10.2533	0.59325	-3.98869	-5426.17
1033_1033	1033	1033	-2851.86	-246.81	-7.455	-32.9621	3.988688	5426.351
1033_1034	1033	1034	2836.227	276.9034	7.455	32.96213	53.80988	-7393.56
1034_1034	1034	1034	-2836.23	-276.919	-3.82331	-23.7024	-53.8099	7393.597
1034_1035	1034	1035	2817.699	307.0082	3.823313	23.70244	83.4435	-9582.21
1035_1035	1035	1035	-2825.13	-307.134	23.47669	65.58694	-82.4604	9618.811
1035_1036	1035	1036	2799.77	347.4306	-23.4767	-65.5869	-140.609	-12879.2
1036_1036	1036	1036	225.6555	659.2924	2.7405	-13.7891	-12.7719	40227.63
1036_1037	1036	1037	-213.239	-597.689	-2.7405	13.84294	-21.7298	-32329.1
1037_1037	1037	1037	196.9839	600.3756	2.7825	9.8175	19.16775	32328.08
1037_1038	1037	1038	-178.803	-542.174	-2.7825	-9.76894	-54.0921	-25179.8
1038_1038	1038	1038	162.6647	526.8677	-4.02544	-4.27744	55.12369	25180.55
1038_1039	1038	1039	-134.917	-468.009	4.025438	4.238063	-1.72331	-18802
1039_1039	1039	1039	786.3988	461.4028	-1.68263	1.819125	22.63275	15128.47
1039_1040	1039	1040	-775.403	-412.129	1.682625	-1.77581	-2.84944	-10139.5
1040_1040	1040	1040	766.7717	393.3156	0.437063	-0.11156	2.959688	10141.19
1040_1041	1040	1041	-725.093	-359.311	-0.43706	0.095813	-6.56513	-7275.43
1041_1041	1041	1041	836.2187	361.7329	0.085313	-0.72713	11.93981	6680.411
1041_1042	1041	1042	-707.781	-300.552	-0.08531	0.727125	-13.3337	-1466.54
1042_1042	1042	1042	707.7801	272.5551	-0.0735	2.628938	13.33369	1466.585
1042_1043	1042	1043	-619.278	-227.609	0.0735	-2.62894	-12.4583	1138.199
1043_1043	1043	1043	619.2782	227.6164	-0.00919	-3.31406	12.45825	-1138.2
1043_1044	1043	1044	-538.323	-182.672	0.009188	3.314063	-12.348	3234.549
1044_1044	1044	1044	538.3389	150.2209	0.2205	3.6015	12.348	-3234.62
1044_1045	1044	1045	-465.346	-105.284	-0.2205	-3.6015	-14.9822	4434.819
1045_1045	1045	1045	465.3456	105.2914	0.2835	-3.81544	14.98219	-4434.82
1045_1046	1045	1046	-399.893	-60.3566	-0.2835	3.815438	-18.3803	5126.894
1046_1046	1046	1046	399.903	30.46444	-0.21656	3.283875	18.38025	-5127.03
1046_1047	1046	1047	-337.495	14.50181	0.216563	-3.28388	-15.7776	4934.55
1047_1047	1047	1047	337.4949	-14.4953	-0.15881	-2.87438	15.77756	-4934.55
1047_1048	1047	1048	-282.68	59.42081	0.158813	2.874375	-13.8823	4234.179
1048_1048	1048	1048	282.6863	-88.4691	0.009188	4.076625	13.88231	-4234.25
1048_1049	1048	1049	-231.618	133.4301	-0.00919	-4.07663	-13.9978	2661.621
1049_1049	1049	1049	231.6195	-133.422	0.132563	-3.0975	13.99781	-2661.62
1049_1050	1049	1050	-188.135	178.3386	-0.13256	3.0975	-15.5859	582.6096
1050_1050	1050	1050	188.1233	-205.32	-0.23494	-0.47906	15.58594	-582.582
1050_1051	1050	1051	-136.319	266.4454	0.234938	0.479063	-11.7626	-3978.51
1051_1051	1051	1051	136.7966	-265.008	-0.14963	3.783938	11.37938	3993.817
1051_1052	1051	1052	-116.948	296.8009	0.149625	-3.78919	-10.1469	-6314.49
1052_1052	1052	1052	124.2898	-319.407	1.462125	-3.52013	9.992063	6315.78
1052_1053	1052	1053	-102.412	365.2845	-1.46213	3.550313	-27.1819	-10428.8
1053_1053	1053	1053	104.5682	-363.448	3.319313	9.100875	29.82656	10474.79
1053_1054	1053	1054	-102.412	421.6708	-3.31931	-9.12319	-73.8911	-15900.9
1054_1054	1054	1054	116.1497	-438.917	-2.13544	-6.42863	72.912	15904.15
1054_1055	1054	1055	-123.116	496.1289	2.135438	6.490313	-46.116	-21531.1
1055_1055	1055	1055	136.7756	-492.568	-2.06981	11.54344	48.18975	21535.37
1055_1056	1055	1056	-150.006	552.8289	2.069813	-11.4765	-22.113	-27871.3
1056_1056	1056	1056	-2317.74	320.6018	-3.38363	-2.89406	83.68763	8419.707
1056_1057	1056	1057	2353.592	-280.74	3.383625	2.894063	-51.5432	-5713.45
1057_1057	1057	1057	-2355.04	280.7306	-1.54613	1.539563	52.19681	5675.572
1057_1058	1057	1058	2381.372	-248.836	1.546125	-1.53956	-40.2163	-3734.89
1058_1058	1058	1058	-2381.37	248.8369	-1.54613	1.539563	40.21631	3734.888

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1058_1059	1058	1059	2404.957	-216.941	1.546125	-1.53956	-28.2371	-2030.27
1059_1059	1059	1059	-2405.04	193.6541	-12.3638	-1.3755	28.23713	2030.317
1059_1060	1059	1060	2426.425	-160.688	12.36375	1.3755	70.75556	-702.521
1060_1060	1060	1060	-2426.44	156.2426	-9.33056	0.657563	-70.7556	702.5183
1060_1061	1060	1061	2441.876	-123.32	9.330563	-0.65756	145.3633	348.2154
1061_1061	1061	1061	-2441.89	123.3212	-5.89181	1.764	-145.363	-348.219
1061_1062	1061	1062	2454.409	-90.3591	5.891813	-1.764	192.5267	1148.221
1062_1062	1062	1062	-2454.37	68.901	-3.67369	0.707438	-192.527	-1148.23
1062_1063	1062	1063	2462.293	-44.1893	3.673688	-0.70744	214.5728	1452.042
1063_1063	1063	1063	-2462.3	44.19056	0.384563	0.627375	-214.573	-1452.05
1063_1064	1063	1064	2468.559	-19.5221	-0.38456	-0.62738	212.2719	1614
1064_1064	1064	1064	-2468.56	19.52344	0.644438	0.612938	-212.272	-1614
1064_1065	1064	1065	2473.186	5.185688	-0.64444	-0.61294	208.4053	1634.669
1065_1065	1065	1065	-2473.18	-5.18569	4.962563	0.460688	-208.405	-1634.67
1065_1066	1065	1066	2476.156	29.89219	-4.96256	-0.46069	178.6286	1513.685
1066_1066	1066	1066	-2476.12	-51.7401	7.130813	0.363563	-178.629	-1513.71
1066_1067	1066	1067	2478.038	84.69694	-7.13081	-0.36356	121.5506	954.9566
1067_1067	1067	1067	-2478.03	-84.6956	10.36875	1.241625	-121.551	-954.959
1067_1068	1067	1068	2477.013	117.6499	-10.3688	-1.24163	38.56256	144.2411
1068_1068	1068	1068	-2477.01	-117.65	10.18238	1.130063	-38.5626	-144.241
1068_1069	1068	1069	2473.073	150.5621	-10.1824	-1.13006	-42.8295	-916.993
1069_1069	1069	1069	-2473.17	-173.107	4.767	-0.25069	42.8295	917.0411
1069_1070	1069	1070	2466.526	205.0269	-4.767	0.250688	-79.7869	-2360.96
1070_1070	1070	1070	-2466.53	-205.026	4.767	-0.25069	79.78688	2360.959
1070_1071	1070	1071	2457.133	236.9456	-4.767	0.250688	-116.743	-4041.3
1071_1071	1071	1071	-2454.27	-236.959	6.6885	3.961125	119.532	4074.209
1071_1072	1071	1072	2439.035	276.7971	-6.6885	-3.96113	-183.033	-6457.65
1072_1072	1072	1072	96.96881	616.9511	1.068375	-8.00363	41.36738	25447.13
1072_1073	1072	1073	-46.1042	-557.155	-1.06838	8.078438	-54.8363	-18287.3
1073_1073	1073	1073	30.91725	560.7223	1.1235	6.939188	53.07881	18284.73
1073_1074	1073	1074	27.23306	-504.081	-1.1235	-6.87094	-67.1777	-11819
1074_1074	1074	1074	-42.5145	487.0753	-3.34688	0.1155	67.65019	11817.69
1074_1075	1074	1075	104.8779	-429.416	3.346875	-0.15619	-23.2273	-5925.7
1075_1075	1075	1075	517.8941	423.7393	-1.09725	-0.525	28.14	2513.922
1075_1076	1075	1076	-496.141	-378.622	1.09725	0.549938	-15.2408	2039.267
1076_1076	1076	1076	488.0518	354.5824	-0.04331	5.757938	15.15544	-2038.64
1076_1077	1076	1077	-457.167	-323.34	0.043313	-5.76713	-14.7945	4688.297
1077_1077	1077	1077	418.0667	326.0473	0.18375	-5.69625	15.13313	-4635.7
1077_1078	1077	1078	-357.047	-267.057	-0.18375	5.69625	-17.8526	8755.501
1078_1078	1078	1078	357.0381	240.9658	0.186375	6.196313	17.85263	-8755.67
1078_1079	1078	1079	-314.902	-196.198	-0.18638	-6.19631	-19.9513	11022.75
1079_1079	1079	1079	314.9003	196.2109	0.249375	-6.76988	19.95131	-11022.8
1079_1080	1079	1080	-278.665	-151.405	-0.24938	6.769875	-22.7588	12812.92
1080_1080	1080	1080	278.6713	124.0798	-0.17981	6.870938	22.75875	-12813.3
1080_1081	1080	1081	-244.621	-79.2776	0.179813	-6.87094	-20.7309	13800.12
1081_1081	1081	1081	244.6211	79.29075	-0.11944	-7.32506	20.73094	-13800.1
1081_1082	1081	1082	-216.511	-34.4899	0.119438	7.325063	-19.3804	14307.99
1082_1082	1082	1082	216.5153	4.977	-0.12469	12.894	19.38038	-14308.4
1082_1083	1082	1083	-188.862	43.16681	0.124688	-12.894	-17.8736	13945.47
1083_1083	1083	1083	188.8622	-43.1524	-0.01313	-12.6486	17.87363	-13945.5
1083_1084	1083	1084	-168.068	91.29225	0.013125	12.64856	-17.7201	13029.58
1084_1084	1084	1084	168.0748	-120.321	-0.16406	11.37413	17.72006	-13029.9
1084_1085	1084	1085	-151.098	165.1151	0.164063	-11.3741	-15.8708	11337.71
1085_1085	1085	1085	151.0976	-165.101	-0.04463	-10.4291	15.87075	-11337.7
1085_1086	1085	1086	-140.057	209.8924	0.044625	10.42913	-15.3759	9166.898
1086_1086	1086	1086	140.0516	-236.699	-0.49481	6.758063	15.37594	-9167.05
1086_1087	1086	1087	-131.662	281.4906	0.494813	-6.75806	-9.80044	6201.497
1087_1087	1087	1087	131.6608	-281.477	-0.37538	-5.12006	9.800438	-6201.49
1087_1088	1087	1088	-129.208	326.2652	0.375375	5.120063	-5.58075	2757.464

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1088_1088	1088	1088	129.2051	-350.218	-0.02231	0.85575	5.58075	-2757.53
1088_1089	1088	1089	-130.641	406.9459	0.022313	-0.85575	-5.25919	-2650.52
1089_1089	1089	1089	136.185	-405.402	-0.0105	0.098438	5.629313	2684.354
1089_1090	1089	1090	-140.665	438.1913	0.0105	-0.10369	-5.54269	-6344.77
1090_1090	1090	1090	150.8968	-462.831	1.0185	-2.87831	5.45475	6345.713
1090_1091	1090	1091	-162.552	509.9496	-1.0185	2.900625	-17.4274	-12085.5
1091_1091	1091	1091	168.4436	-506.54	2.537063	3.9585	18.35269	12132.73
1091_1092	1091	1092	-186.298	564.2516	-2.53706	-4.00575	-52.0275	-19116.3
1092_1092	1092	1092	203.6081	-578.323	-1.73906	-18.5889	50.23331	19119.03
1092_1093	1092	1093	-218.372	635.1804	1.739063	18.64538	-28.3894	-26731.8
1093_1093	1093	1093	235.7801	-630.223	-1.62881	22.63275	32.78756	26735.5
1093_1094	1093	1094	-249.37	690.1046	1.628813	-22.5724	-12.2903	-35026.2
1094_1094	1094	1094	-2713.14	281.0364	0.696938	-6.09788	-67.4691	9356.298
1094_1095	1094	1095	2741.202	-241.453	-0.69694	6.097875	60.84225	-6895.34
1095_1095	1095	1095	-2743.95	241.5433	1.449	-4.15538	-60.6966	6908.766
1095_1096	1095	1096	2763.05	-210.018	-1.449	4.155375	49.46419	-5236.48
1096_1096	1096	1096	-2763.04	210.0249	8.880375	9.998625	-49.4642	5236.464
1096_1097	1096	1097	2779.49	-178.543	-8.88038	-9.99863	-19.2898	-3799.83
1097_1097	1097	1097	-2779.59	156.6613	-5.94169	-3.14344	19.28981	3799.945
1097_1098	1097	1098	2793.848	-124.122	5.941688	3.143438	28.25813	-2735.38
1098_1098	1098	1098	-2793.85	124.1284	-2.29688	1.014563	-28.2581	2735.377
1098_1099	1098	1099	2805.311	-91.5889	2.296875	-1.01456	46.63706	-1920
1099_1099	1099	1099	-2805.31	91.59675	-2.29688	1.014563	-46.6371	1920
1099_1100	1099	1100	2813.969	-59.0573	2.296875	-1.01456	65.016	-1353.78
1100_1100	1100	1100	-2813.83	38.96419	15.62531	11.35969	-65.016	1353.719
1100_1101	1100	1101	2818.927	-14.5609	-15.6253	-11.3597	-28.7608	-1214.97
1101_1101	1101	1101	-2818.93	14.56613	15.52031	11.28488	28.76081	1214.969
1101_1102	1101	1102	2822.442	9.7965	-15.5203	-11.2849	-121.75	-1216.24
1102_1102	1102	1102	-2822.43	-9.79125	-18.3855	-13.3284	121.7501	1216.232
1102_1103	1102	1103	2824.373	34.20244	18.3855	13.32844	-11.3754	-1357.59
1103_1103	1103	1103	-2824.4	-34.1972	-13.5279	-9.50513	11.37544	1357.605
1103_1104	1103	1104	2824.769	58.60706	13.52794	9.505125	69.8355	-1639.17
1104_1104	1104	1104	-2824.75	-78.6739	0.33075	-2.59219	-69.8355	1639.171
1104_1105	1104	1105	2823.361	111.1793	-0.33075	2.592188	67.18688	-2394.5
1105_1105	1105	1105	-2823.36	-111.173	4.088438	1.765313	-67.1869	2394.501
1105_1106	1105	1106	2819.161	143.7174	-4.08844	-1.76531	34.46231	-3399.83
1106_1106	1106	1106	-2819.16	-143.71	4.088438	1.765313	-34.4623	3399.834
1106_1107	1106	1107	2812.161	176.2543	-4.08844	-1.76531	1.73775	-4654.41
1107_1107	1107	1107	-2812.19	-197.579	-3.79444	-3.24581	-1.73775	4654.452
1107_1108	1107	1108	2802.766	229.0641	3.794438	3.245813	31.11675	-6270.58
1108_1108	1108	1108	-2802.77	-229.058	-3.68681	-2.98069	-31.1168	6270.58
1108_1109	1108	1109	2790.699	260.5838	3.686813	2.980688	59.70563	-8122.53
1109_1109	1109	1109	-2790.45	-260.514	-0.77963	6.256688	-60.8436	8121.3
1109_1110	1109	1110	2771.426	300.0992	0.779625	-6.25669	68.25394	-10818.9
1110_1110	1110	1110	208.8161	673.0697	1.714125	-25.5334	10.14825	36678.57
1110_1111	1110	1111	-178.714	-613.384	-1.71413	25.61081	-31.7153	-28688.6
1111_1111	1111	1111	161.5583	613.3706	1.848	22.03163	26.66081	28685.93
1111_1112	1111	1112	-127.697	-556.755	-1.848	-21.9608	-49.8737	-21639.7
1112_1112	1112	1112	111.2318	545.034	-2.48456	-4.62919	52.00519	21638.48
1112_1113	1112	1113	-70.0809	-487.51	2.484563	4.584563	-19.0089	-14951.7
1113_1113	1113	1113	625.0164	484.134	-1.52381	3.577875	27.26719	11806.29
1113_1114	1113	1114	-609.452	-436.969	1.523813	-3.57656	-9.366	-6525.77
1114_1114	1114	1114	600.0999	419.3897	0.294	4.538625	9.40275	6526.767
1114_1115	1114	1115	-564.946	-386.712	-0.294	-4.54388	-11.8322	-3366.5
1115_1115	1115	1115	637.8908	389.0447	0.417375	-2.0895	12.10256	2750.719
1115_1116	1115	1116	-547.058	-333.353	-0.41738	2.0895	-18.2739	2422.749
1116_1116	1116	1116	547.0631	307.9532	-0.40163	4.201313	18.27394	-2422.78
1116_1117	1116	1117	-482.268	-265.536	0.401625	-4.20131	-13.7563	5353.74
1117_1117	1117	1117	482.2676	265.5542	-0.33469	-4.72238	13.75631	-5353.74

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1117_1118	1117	1118	-423.893	-223.137	0.334688	4.722375	-9.98419	7834.982
1118_1118	1118	1118	423.8929	197.2438	-0.06038	11.40956	9.984188	-7834.99
1118_1119	1118	1119	-367.476	-154.79	0.060375	-11.4096	-9.30694	9557.132
1119_1119	1119	1119	367.4764	154.8081	0.070875	-11.6852	9.306938	-9557.13
1119_1120	1119	1120	-317.533	-112.393	-0.07088	11.68519	-10.1102	10827.87
1120_1120	1120	1120	317.5318	83.85038	-0.27825	5.761875	10.11019	-10827.9
1120_1121	1120	1121	-265.957	-38.2305	0.27825	-5.76188	-6.74494	11325.44
1121_1121	1121	1121	265.9571	38.2515	-0.21788	-5.47181	6.744938	-11325.4
1121_1122	1121	1122	-221.843	7.330313	0.217875	5.471813	-4.11731	11303.12
1122_1122	1122	1122	221.844	-35.6331	-0.1575	5.616188	4.117313	-11303.1
1122_1123	1122	1123	-182.629	78.08456	0.1575	-5.61619	-2.33756	10475.71
1123_1123	1123	1123	182.6291	-78.0649	-0.09188	-4.86281	2.337563	-10475.7
1123_1124	1123	1124	-149.87	120.4783	0.091875	4.862813	-1.29675	9199.267
1124_1124	1124	1124	149.8704	-150.59	-0.39638	7.38675	1.29675	-9199.27
1124_1125	1124	1125	-123.836	193.0412	0.396375	-7.38675	3.164438	7133.531
1125_1125	1125	1125	123.8357	-193.022	-0.26381	-6.29869	-3.16444	-7133.53
1125_1126	1125	1126	-104.245	235.4336	0.263813	6.298688	6.138563	4619.906
1126_1126	1126	1126	104.2401	-257.738	-0.76256	0.4095	-6.13856	-4619.88
1126_1127	1126	1127	-83.9094	310.3301	0.762563	-0.4095	16.77506	578.6264
1127_1127	1127	1127	88.27219	-308.858	-0.64838	0.442313	-16.4259	-556.581
1127_1128	1127	1128	-80.8172	339.3062	0.648375	-0.44888	21.77963	-2331.32
1128_1128	1128	1128	88.79325	-356.949	2.568563	-5.14894	-21.9699	2332.543
1128_1129	1128	1129	-84.8807	400.7824	-2.56856	5.188313	-8.23463	-7117.68
1129_1129	1129	1129	97.83113	-396.996	5.2395	11.19563	7.952438	7110.27
1129_1130	1129	1130	-111.809	453.1892	-5.2395	-11.2403	-77.5071	-12712.2
1130_1130	1130	1130	127.7955	-489.951	-10.9069	-8.232	76.24969	12715.53
1130_1131	1130	1131	-159.172	545.2991	10.90688	8.314688	60.63619	-19285.7
1131_1131	1131	1131	173.9784	-540.297	-10.8413	9.485438	-58.9418	19290.41
1131_1132	1131	1132	-202.183	598.7625	10.84125	-9.39356	195.5087	-26540.6
1132_1132	1132	1132	-2256.49	267.6804	44.36513	21.48956	-538.59	6555.823
1132_1133	1132	1133	2286.934	-229.113	-44.3651	-21.4896	117.117	-4129.27
1133_1133	1133	1133	-2292.38	228.9958	41.19019	15.67388	-117.604	4155.614
1133_1134	1133	1134	2315.436	-199.798	-41.1902	-15.6739	-201.617	-2588.57
1134_1134	1134	1134	-2315.7	199.8084	1.995	-34.0397	201.6171	2588.451
1134_1135	1134	1135	2335.757	-170.605	-1.995	34.03969	-217.081	-1235.47
1135_1135	1135	1135	-2335.83	143.8881	-4.92844	0.4935	217.0809	1236.127
1135_1136	1135	1136	2352.554	-113.741	4.928438	-0.4935	-177.65	-274.834
1136_1136	1136	1136	-2352.54	113.7531	-8.09156	-1.01194	177.6495	274.8336
1136_1137	1136	1137	2366.067	-83.6049	8.091563	1.011938	-112.907	458.1084
1137_1137	1137	1137	-2366.08	83.61675	-4.92844	-0.26644	112.9065	-458.108
1137_1138	1137	1138	2376.394	-53.4699	4.928438	0.266438	-73.4764	962.661
1138_1138	1138	1138	-2376.49	32.74819	-4.69481	-0.03938	73.47638	-962.66
1138_1139	1138	1139	2382.751	-10.1745	4.694813	0.039375	-45.3456	1064.216
1139_1139	1139	1139	-2382.75	10.18369	-0.38588	0.245438	45.34556	-1064.22
1139_1140	1139	1140	2387.222	12.42675	0.385875	-0.24544	-43.0316	1037.586
1140_1140	1140	1140	-2387.22	-12.4176	-0.38588	0.245438	43.03163	-1037.59
1140_1141	1140	1141	2389.888	35.028	0.385875	-0.24544	-40.7177	882.5001
1141_1141	1141	1141	-2389.89	-35.0188	-4.60294	-0.5145	40.71769	-882.5
1141_1142	1141	1142	2390.749	57.62925	4.602938	0.5145	-13.0896	598.9449
1142_1142	1142	1142	-2390.76	-83.0353	0.29925	1.195688	13.08956	-598.933
1142_1143	1142	1143	2386.748	113.1821	-0.29925	-1.19569	-15.4875	-172.886
1143_1143	1143	1143	-2386.75	-113.17	0.29925	1.195688	15.4875	172.8864
1143_1144	1143	1144	2379.535	143.3171	-0.29925	-1.19569	-17.8868	-1173.07
1144_1144	1144	1144	-2379.53	-143.305	-2.86388	-2.01075	17.88675	1173.073
1144_1145	1144	1145	2369.115	173.4521	2.863875	2.01075	5.0295	-2401.66
1145_1145	1145	1145	-2369.07	-194.599	-6.77119	-0.99094	-5.0295	2401.634
1145_1146	1145	1146	2356.024	223.7668	6.771188	0.990938	57.45206	-3971.82
1146_1146	1146	1146	-2356.02	-223.755	-6.70425	-0.84919	-57.4521	3971.815
1146_1147	1146	1147	2339.962	252.9608	6.70425	0.849188	109.4192	-5758.21

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1147_1147	1147	1147	-2327.77	-253.053	-5.04263	3.735375	-108.911	5698.721
1147_1148	1147	1148	2304.661	291.6257	5.042625	-3.73538	156.8228	-8197.32
1148_1148	1148	1148	134.7793	557.0985	0.118125	-10.6838	-6.35119	27754.35
1148_1149	1148	1149	-98.7381	-498.88	-0.11813	10.72444	4.864125	-21274.6
1149_1149	1149	1149	85.08806	502.6888	0.207375	8.19525	-6.86044	21271.23
1149_1150	1149	1150	-43.8887	-447.615	-0.20738	-8.1585	4.251188	-15466.7
1150_1150	1150	1150	30.22556	432.7011	-0.01838	-1.428	-3.42038	15464.73
1150_1151	1150	1151	14.89294	-376.703	0.018375	1.404375	3.6645	-10233.1
1151_1151	1151	1151	639.9881	370.4479	-0.1785	-0.41475	-2.32838	6657.416
1151_1152	1151	1152	-616.96	-325.938	0.1785	0.397688	4.421813	-2760.82
1152_1152	1152	1152	609.9936	307.6802	-0.03544	0.438375	-4.431	2761.407
1152_1153	1152	1153	-569.235	-276.902	0.035438	-0.43838	4.723688	-543.119
1153_1153	1153	1153	604.7186	279.4431	-0.00919	-0.65756	-4.75388	355.5051
1153_1154	1153	1154	-515.247	-229.53	0.009188	0.657563	4.8825	2763.579
1154_1154	1154	1154	515.2481	205.4942	0.212625	3.70125	-4.8825	-2763.59
1154_1155	1154	1155	-449.03	-165.535	-0.21263	-3.70125	2.538375	4523.489
1155_1155	1155	1155	449.0299	165.5627	0.307125	-4.02544	-2.53838	-4523.49
1155_1156	1155	1156	-389.524	-125.604	-0.30713	4.025438	-0.84525	5870.668
1156_1156	1156	1156	389.5277	102.0009	0.014438	4.622625	0.84525	-5870.69
1156_1157	1156	1157	-338.118	-65.6014	-0.01444	-4.62263	-0.99225	6489.617
1157_1157	1157	1157	338.1184	65.62631	0.116813	-4.578	0.99225	-6489.62
1157_1158	1157	1158	-292.321	-29.2635	-0.11681	4.578	-2.15513	6765.997
1158_1158	1158	1158	292.32	6.50475	0.118125	4.31025	2.155125	-6766.02
1158_1159	1158	1159	-248.846	29.8935	-0.11813	-4.31025	-3.33769	6459.222
1159_1159	1159	1159	248.8461	-29.8699	0.219188	-3.9585	3.337688	-6459.22
1159_1160	1159	1160	-210.975	66.23138	-0.21919	3.9585	-5.53744	5810.826
1160_1160	1160	1160	210.9765	-89.2539	-0.12731	0.345188	5.537438	-5810.87
1160_1161	1160	1161	-172.376	129.213	0.127313	-0.34519	-4.12913	4437.031
1161_1161	1161	1161	172.3759	-133.548	-0.12731	0.345188	4.129125	-4437.03
1161_1162	1161	1162	-145.453	173.5073	0.127313	-0.34519	-2.72213	2622.227
1162_1162	1162	1162	145.4499	-194.846	0.379313	0.47775	2.722125	-2622.2
1162_1163	1162	1163	-117.096	244.7576	-0.37931	-0.47775	-7.93931	-540.235
1163_1163	1163	1163	121.5834	-243.208	0.34125	0.240188	7.707	532.6083
1163_1164	1163	1164	-110.211	274.0251	-0.34125	-0.24413	-10.5236	-2751.42
1164_1164	1164	1164	116.8414	-292.262	0.059063	0.4095	10.53675	2752.5
1164_1165	1164	1165	-106.21	336.6405	-0.05906	-0.40556	-11.235	-6568.77
1165_1165	1165	1165	103.0588	-332.8	1.473938	0.612938	3.587063	6639.5
1165_1166	1165	1166	-107.978	388.6116	-1.47394	-0.66675	-23.1578	-11514.5
1166_1166	1166	1166	120.7106	-404.435	-0.73894	-6.44306	22.59206	11517.65
1166_1167	1166	1167	-133.371	459.2976	0.738938	6.50475	-13.3232	-16994.6
1167_1167	1167	1167	146.0209	-454.296	-0.64969	8.09025	14.89425	16999.34
1167_1168	1167	1168	-163.616	512.2097	0.649688	-8.022	-6.7095	-22891.6
1168_1168	1168	1168	-1964.05	286.5266	1.017188	-1.88344	-26.1201	6684.591
1168_1169	1168	1169	1998.164	-248.211	-1.01719	1.883438	16.44956	-4282.46
1169_1169	1169	1169	-2003.96	248.1308	2.054063	0.108938	-17.4248	4310.708
1169_1170	1169	1170	2029.473	-218.831	-2.05406	-0.10894	1.5015	-2604.85
1170_1170	1170	1170	-2029.47	218.8476	2.054063	0.108938	-1.5015	2604.854
1170_1171	1170	1171	2051.837	-189.547	-2.05406	-0.10894	-14.4218	-1113.49
1171_1171	1171	1171	-2051.86	166.7925	0.402938	0.458063	14.42175	1113.488
1171_1172	1171	1172	2071.369	-136.547	-0.40294	-0.45806	-17.6492	19.91981
1172_1172	1172	1172	-2071.37	136.5656	-2.53313	-0.58538	17.64919	-19.9185
1172_1173	1172	1173	2087.514	-106.357	2.533125	0.585375	2.596125	923.8097
1173_1173	1173	1173	-2087.51	106.3742	0.402938	-0.53156	-2.59613	-923.81
1173_1174	1173	1174	2100.331	-76.1289	-0.40294	0.531563	-0.63263	1600.397
1174_1174	1174	1174	-2100.34	54.012	1.162875	-0.24413	0.632625	-1600.42
1174_1175	1174	1175	2108.39	-31.3281	-1.16288	0.244125	-7.61119	1822.499
1175_1175	1175	1175	-2108.39	31.34119	-2.67094	0.879375	7.611188	-1822.5
1175_1176	1175	1176	2114.554	-8.65594	2.670938	-0.87938	8.418375	1916.022
1176_1176	1176	1176	-2114.56	8.670375	1.162875	-0.29531	-8.41838	-1916.02

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1176_1177	1176	1177	2118.838	14.01488	-1.16288	0.295313	1.439813	1880.982
1177_1177	1177	1177	-2118.84	-14.0004	1.162875	-0.29531	-1.43981	-1880.98
1177_1178	1177	1178	2121.235	36.68438	-1.16288	0.295313	-5.54006	1717.381
1178_1178	1178	1178	-2121.25	-58.7462	-1.30463	0.01575	5.540063	-1717.38
1178_1179	1178	1179	2122.356	88.95469	1.304625	-0.01575	4.890375	1120.14
1179_1179	1179	1179	-2122.36	-88.9376	1.631438	0.307125	-4.89038	-1120.14
1179_1180	1179	1180	2120.114	119.1829	-1.63144	-0.30713	-8.16506	293.7546
1180_1180	1180	1180	-2120.11	-119.165	1.631438	0.307125	8.165063	-293.755
1180_1181	1180	1181	2114.523	149.4098	-1.63144	-0.30713	-21.2205	-761.18
1181_1181	1181	1181	-2114.54	-171.898	-3.05025	1.057875	21.2205	761.2251
1181_1182	1181	1182	2105.799	201.1984	3.05025	-1.05788	2.424188	-2175.11
1182_1182	1182	1182	-2105.8	-205.568	-3.05025	1.057875	-2.42419	2175.112
1182_1183	1182	1183	2090.613	234.8679	3.05025	-1.05788	26.06888	-3824.37
1183_1183	1183	1183	-2077.55	-234.91	-3.90469	-0.92138	-24.948	3760.649
1183_1184	1183	1184	2054.922	273.2218	3.904688	0.921375	62.04713	-6209.4
1184_1184	1184	1184	114.5353	520.5861	0.485625	6.923438	-13.0843	22513.88
1184_1185	1184	1185	-70.2844	-463.032	-0.48563	-6.86306	6.964125	-16517.3
1185_1185	1185	1185	57.47438	467.9876	0.391125	-7.98394	-5.418	16513.49
1185_1186	1185	1186	-9.17569	-413.461	-0.39113	8.03775	0.500063	-11063.5
1186_1186	1186	1186	-3.63825	398.2112	-0.63394	-0.78881	-1.17469	11061.18
1186_1187	1186	1187	52.68506	-342.763	0.633938	0.752063	9.597	-6302.77
1187_1187	1187	1187	540.0557	338.8823	-0.07744	-0.8715	4.791938	2805.964
1187_1188	1187	1188	-520.28	-293.652	0.077438	0.862313	-3.87844	1040.412
1188_1188	1188	1188	513.9409	273.6458	-0.1155	-2.80744	3.87975	-1039.42
1188_1189	1188	1189	-480.445	-242.352	0.1155	2.806125	-2.93213	2930.163
1189_1189	1189	1189	499.7094	245.1409	-0.17456	0.963375	3.01875	-2939.17
1189_1190	1189	1190	-429.828	-192.363	0.174563	-0.96338	-0.61163	5659.311
1190_1190	1190	1190	429.8319	167.8661	0.255938	-5.56631	0.611625	-5659.31
1190_1191	1190	1191	-378.807	-125.644	-0.25594	5.566313	-3.42169	7061.765
1191_1191	1191	1191	378.8072	125.6719	0.148313	4.592438	3.421688	-7061.76
1191_1192	1191	1192	-334.373	-83.4488	-0.14831	-4.59244	-5.05838	8025.197
1192_1192	1192	1192	334.3778	58.25663	0.035438	5.411438	5.058375	-8025.19
1192_1193	1192	1193	-296.625	-19.4499	-0.03544	-5.41144	-5.41931	8257.871
1193_1193	1193	1193	296.625	19.47488	0.150938	-5.78288	5.419313	-8257.87
1193_1194	1193	1194	-264.439	19.3305	-0.15094	5.782875	-6.951	8119.682
1194_1194	1194	1194	264.4556	-43.6603	-0.20606	0.107625	6.951	-8119.8
1194_1195	1194	1195	-235.127	82.467	0.206063	-0.10763	-4.87331	7354.002
1195_1195	1195	1195	235.1265	-82.4421	-0.20606	0.107625	4.873313	-7354
1195_1196	1195	1196	-211.366	121.2488	0.206063	-0.10763	-2.79431	6217.324
1196_1196	1196	1196	211.3348	-146.749	0.069563	-2.20894	2.794313	-6217.24
1196_1197	1196	1197	-189.108	188.9724	-0.06956	2.208938	-3.56213	4267.977
1197_1197	1197	1197	189.1076	-188.944	-0.03938	2.947875	3.562125	-4267.98
1197_1198	1197	1198	-173.481	231.1286	0.039375	-2.94788	-3.13294	1882.003
1198_1198	1198	1198	173.5033	-259.521	0.211313	0.643125	3.132938	-1882.06
1198_1199	1198	1199	-166.18	312.2989	-0.21131	-0.64313	-6.04275	-2163.06
1199_1199	1199	1199	168.0223	-310.375	0.164063	0.129938	5.663438	2123.769
1199_1200	1199	1200	-166.842	342.8854	-0.16406	-0.1365	-7.01531	-4921.85
1200_1200	1200	1200	175.0573	-364.186	1.316438	0.694313	7.038938	4923.256
1200_1201	1200	1201	-175.83	410.9923	-1.31644	-0.65494	-22.512	-9645.48
1201_1201	1201	1201	182.8496	-405.923	4.035938	1.177313	18.68213	9677.144
1201_1202	1201	1202	-196.078	466.1948	-4.03594	-1.25606	-72.2282	-15455.6
1202_1202	1202	1202	211.5186	-486.09	-2.94525	2.312625	72.51169	15459.96
1202_1203	1202	1203	-225.662	545.2978	2.94525	-2.23388	-35.5294	-21804.2
1203_1203	1203	1203	240.6311	-539.147	-2.94525	1.245563	35.57531	21810.04
1203_1204	1203	1204	-255.802	601.3809	2.94525	-1.15894	1.514625	-29001.7
1204_1204	1204	1204	-2387.95	304.4843	7.810688	2.076375	-87.3954	8274.15
1204_1205	1204	1205	2420.27	-263.003	-7.81069	-2.07638	13.17619	-5631.38
1205_1205	1205	1205	-2419.85	262.9502	5.992875	-2.71688	-12.6446	5332.581
1205_1206	1205	1206	2443.748	-231.105	-5.99288	2.716875	-33.7457	-3517.72

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1206_1206	1206	1206	-2443.75	231.1234	6.065063	-2.61056	33.74569	3517.722
1206_1207	1206	1207	2464.674	-199.238	-6.06506	2.610563	-80.7621	-1935.45
1207_1207	1207	1207	-2464.36	173.0781	-9.28069	-1.64588	80.76206	1935.503
1207_1208	1207	1208	2482.526	-140.163	9.280688	1.645875	-6.49556	-757.021
1208_1208	1208	1208	-2482.53	140.1816	-5.86819	0.333375	6.495563	757.0198
1208_1209	1208	1209	2497.493	-107.268	5.868188	-0.33338	40.46044	170.9374
1209_1209	1209	1209	-2497.49	107.2851	-5.86819	0.333375	-40.4604	-170.937
1209_1210	1209	1210	2509.247	-74.3715	5.868188	-0.33338	87.41513	848.4026
1210_1210	1210	1210	-2509.41	50.9565	-4.01888	0.018375	-87.4151	-848.433
1210_1211	1210	1211	2516.607	-26.271	4.018875	-0.01838	111.5349	1049.627
1211_1211	1211	1211	-2516.61	26.28413	0.531563	0.248063	-111.535	-1049.63
1211_1212	1211	1212	2522	-1.59863	-0.53156	-0.24806	108.3416	1109.914
1212_1212	1212	1212	-2522	1.61175	0.441	0.242813	-108.342	-1109.91
1212_1213	1212	1213	2525.585	23.03175	-0.441	-0.24281	105.7009	1029.549
1213_1213	1213	1213	-2525.58	-23.0186	-4.01888	-0.2415	-105.701	-1029.55
1213_1214	1213	1214	2527.372	47.70544	4.018875	0.2415	129.8194	808.2533
1214_1214	1214	1214	-2527.55	-71.4381	7.432688	0.60375	-129.819	-808.268
1214_1215	1214	1215	2527.669	104.3529	-7.43269	-0.60375	70.34213	101.9169
1215_1215	1215	1215	-2527.68	-104.335	4.020188	-1.06181	-70.3421	-101.917
1215_1216	1215	1216	2524.589	137.2494	-4.02019	1.061813	38.17669	-854.953
1216_1216	1216	1216	-2524.58	-137.231	7.432688	1.844063	-38.1767	854.952
1216_1217	1216	1217	2518.289	170.1459	-7.43269	-1.84406	-21.3006	-2062.29
1217_1217	1217	1217	-2518.13	-194.99	-3.20906	-0.21788	21.30056	2062.293
1217_1218	1217	1218	2508.945	226.8761	3.209063	0.217875	3.577875	-3663.4
1218_1218	1218	1218	-2508.94	-226.859	-3.28256	-0.35569	-3.57788	3663.398
1218_1219	1218	1219	2496.769	258.7029	3.282563	0.355688	28.98788	-5497.07
1219_1219	1219	1219	-2489.96	-258.717	-1.43063	4.201313	-28.6624	5769.365
1219_1220	1219	1220	2471.003	300.1937	1.430625	-4.20131	42.25988	-8349.94
1220_1220	1220	1220	239.4722	614.8314	3.5595	-62.1981	13.17881	28984.37
1220_1221	1220	1221	-200.629	-552.971	-3.5595	62.27288	-58.0033	-21807.4
1221_1221	1221	1221	185.4143	559.8561	4.03725	55.4715	45.44269	21803.17
1221_1222	1221	1222	-139.915	-501.093	-4.03725	-55.3993	-96.1236	-15469.7
1222_1222	1222	1222	124.8647	490.3973	-4.31156	-4.24069	101.1806	15465.25
1222_1223	1222	1223	-72.6298	-430.5	4.311563	4.113375	-43.932	-9464.44
1223_1223	1223	1223	668.0153	428.0417	-0.80588	1.783688	19.67831	6097.956
1223_1224	1223	1224	-638.172	-380.457	0.805875	-1.764	-10.1994	-1562.84
1224_1224	1224	1224	629.7848	361.116	0.192938	13.18931	10.10494	1563.396
1224_1225	1224	1225	-583.879	-328.136	-0.19294	-13.1906	-11.7009	1120.674
1225_1225	1225	1225	546.2769	332.0573	0.559125	-9.55763	12.24169	-874.423
1225_1226	1225	1226	-447.263	-264.252	-0.55913	9.557625	-21.42	5348.228
1226_1226	1226	1226	447.2475	233.4714	0.086625	26.70806	21.42	-5347.6
1226_1227	1226	1227	-378.176	-182.482	-0.08663	-26.7081	-22.4831	7619.631
1227_1227	1227	1227	378.1746	182.5136	0.569625	-26.1516	22.48313	-7619.64
1227_1228	1227	1228	-316.887	-131.564	-0.56963	26.15156	-29.5129	9292.503
1228_1228	1228	1228	316.6144	99.06094	0.147	19.84238	29.51288	-9289.36
1228_1229	1228	1229	-261.178	-45.234	-0.147	-19.8424	-31.3228	9938.801
1229_1229	1229	1229	261.1757	45.48075	0.469875	-18.5548	31.32281	-9938.8
1229_1230	1229	1230	-216.542	8.3055	-0.46988	18.55481	-37.1175	9969.995
1230_1230	1230	1230	216.4024	-40.8424	0.232313	16.30256	37.1175	-9966.6
1230_1231	1230	1231	-179.501	94.63388	-0.23231	-16.3026	-39.9761	8963.367
1231_1231	1231	1231	179.508	-94.3871	0.555188	-15.1344	39.97613	-8963.37
1231_1232	1231	1232	-153.38	148.1379	-0.55519	15.13444	-46.8234	7343.928
1232_1232	1232	1232	153.3788	-182.305	2.4255	11.95819	46.82344	-7342.6
1232_1233	1232	1233	-142.627	225.414	-2.4255	-11.9582	-70.8002	5267.753
1233_1233	1233	1233	142.5821	-225.2	2.741813	-4.19606	70.80019	-5267.47
1233_1234	1233	1234	-138.767	275.2523	-2.74181	4.196063	-102.267	2431.673
1234_1234	1234	1234	146.5879	-274.003	3.390188	-12.9846	108.4584	-2462.46
1234_1235	1234	1235	-147.285	287.9468	-3.39019	12.98719	-119.108	1549.154
1235_1235	1235	1235	171.9021	-306.525	0.003938	-2.14463	129.7853	-1631.86

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1235_1236	1235	1236	-179.584	338.7523	-0.00394	2.061938	-129.814	-728.247
1236_1236	1236	1236	178.4895	-339.224	0.18375	0.794063	129.8863	728.45
1236_1237	1236	1237	-193.835	383.3498	-0.18375	-0.8925	-131.67	-4229.41
1237_1237	1237	1237	219.7164	-377.639	-0.17063	10.34906	129.0686	4144.723
1237_1238	1237	1238	-228.592	402.7971	0.170625	-10.4501	-128.261	-6003
1238_1238	1238	1238	236.2986	-422.712	7.027125	-15.519	126.7914	6003.302
1238_1239	1238	1239	-255.833	480.2228	-7.02713	15.38119	-202.31	-10839.5
1239_1239	1239	1239	267.0623	-473.924	7.277813	13.8495	205.0283	10843.62
1239_1240	1239	1240	-286.822	534.3371	-7.27781	-14.0241	-284.87	-16350.7
1240_1240	1240	1240	306.5213	-557.588	-37.8748	-28.4274	280.9721	16348.34
1240_1241	1240	1241	-324.672	625.7291	37.87481	28.84613	170.3691	-23156.9
1241_1241	1241	1241	-2234.71	369.0146	-10.4633	21.72188	368.2862	6469.23
1241_1242	1241	1242	2270.507	-320.141	10.46325	-21.7219	-268.856	-3339.24
1242_1242	1242	1242	-2266.54	320.2133	-7.71094	26.09119	269.6597	3320.021
1242_1243	1242	1243	2277.409	-304.151	7.710938	-26.0912	-245.255	-2376.1
1243_1243	1243	1243	-2274.59	279.153	-41.517	-4.56881	245.2551	2373.906
1243_1244	1243	1244	2303.939	-232.386	41.517	4.568813	137.2901	-136.122
1244_1244	1244	1244	-2304.1	232.554	-33.2863	-0.8085	-137.29	136.2874
1244_1245	1244	1245	2331.028	-179.729	33.28631	0.8085	483.7324	1899.636
1245_1245	1245	1245	-2331.54	160.0187	-19.1861	2.38875	-483.732	-1899.46
1245_1246	1245	1246	2351.152	-110.54	19.18613	-2.38875	670.7623	3137.943
1246_1246	1246	1246	-2351.2	110.7081	-11.0381	-3.05419	-670.762	-3137.93
1246_1247	1246	1247	2365.172	-60.5574	11.03813	3.054188	779.8311	3926.169
1247_1247	1247	1247	-2365.3	36.64238	0.04725	3.568688	-779.831	-3925.24
1247_1248	1247	1248	2373.303	9.45	-0.04725	-3.56869	779.4006	4014.717
1248_1248	1248	1248	-2373.34	-9.282	5.007188	-0.95813	-779.401	-4014.51
1248_1249	1248	1249	2376.327	62.7585	-5.00719	0.958125	726.6381	3620.601
1249_1249	1249	1249	-2374.8	-88.6056	-14.0346	3.156563	-726.638	-3619.91
1249_1250	1249	1250	2371.426	141.0767	14.03456	-3.15656	871.7284	2443.657
1250_1250	1250	1250	-2371.43	-140.909	-3.91388	0.68775	-871.728	-2443.81
1250_1251	1250	1251	2362.837	188.0498	3.913875	-0.68775	908.0754	948.0765
1251_1251	1251	1251	-2366.6	-223.225	81.984	-5.166	-908.075	-948.121
1251_1252	1251	1252	2352.966	274.6524	-81.984	5.166	77.37188	-1522.37
1252_1252	1252	1252	-2352.74	-278.935	89.65819	4.8825	-77.3719	1522.546
1252_1253	1252	1253	2326.371	335.8254	-89.6582	-4.8825	-927.579	-4914.27
1253_1253	1253	1253	-2323.44	-335.692	87.87056	0.211313	927.4926	4899.678
1253_1254	1253	1254	2314.583	351.9456	-87.8706	-0.21131	-1205.22	-5962.42
1254_1254	1254	1254	-2308.47	-385.706	-45.2721	-51.7821	1205.224	5959.093
1254_1255	1254	1255	2290.82	418.2767	45.27206	51.78206	-918.476	-8461.35
1255_1255	1255	1255	286.6474	572.2224	-63.3938	1.555313	878.2161	25480.22
1255_1256	1255	1256	-261.728	-525.69	63.39375	-2.15775	-363.271	-21095.1
1256_1256	1256	1256	252.9909	530.607	-63.2284	43.52775	358.2876	21091.51
1256_1257	1256	1257	-228.426	-490.081	63.22838	-44.0331	101.4221	-17620.4
1257_1257	1257	1257	214.6541	470.4315	12.46875	-26.9141	-94.3412	17613.23
1257_1258	1257	1258	-176.928	-414.049	-12.4688	27.85125	-35.2039	-13197.1
1258_1258	1258	1258	166.5983	420.3688	12.72338	17.67281	31.71263	13194.51
1258_1259	1258	1259	-118.86	-353.538	-12.7234	-16.7908	-192.608	-8392.81
1259_1259	1259	1259	682.4829	336.2651	1.52775	6.806625	22.45556	5211.87
1259_1260	1259	1260	-699.979	-287.04	-1.52775	-6.72656	-38.5796	-1768.22
1260_1260	1260	1260	693.7455	295.512	1.833563	-6.20288	38.81588	1766.786
1260_1261	1260	1261	-687.381	-252.062	-1.83356	6.230438	-56.1435	852.3283
1261_1261	1261	1261	719.145	256.7919	2.040938	-10.2323	55.59094	-1203.8
1261_1262	1261	1262	-712.522	-242.469	-2.04094	10.23225	-62.055	1969.359
1262_1262	1262	1262	712.3699	203.9888	-0.59063	19.95656	62.055	-1968
1262_1263	1262	1263	-696.197	-153.723	0.590625	-19.9566	-55.4899	3898.263
1263_1263	1263	1263	696.1526	153.9641	-0.09581	-17.7306	55.48988	-3898.09
1263_1264	1263	1264	-688.849	-99.9928	0.095813	17.73056	-54.3546	5393.987
1264_1264	1264	1264	688.7619	68.54794	1.015875	23.96756	54.35456	-5393.68
1264_1265	1264	1265	-687.183	-16.1936	-1.01588	-23.9676	-66.1185	5887.106

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1265_1265	1265	1265	687.1883	16.43644	1.525125	-23.2168	66.1185	-5887.12
1265_1266	1265	1266	-695.302	35.48475	-1.52513	23.21681	-83.6273	5821.512
1266_1266	1266	1266	695.2759	-67.8891	0.01575	15.56231	83.62725	-5821.24
1266_1267	1266	1267	-708.854	120.7014	-0.01575	-15.5623	-83.8058	4785.575
1267_1267	1267	1267	708.8655	-120.46	0.363563	-15.2683	83.80575	-4785.63
1267_1268	1267	1268	-731.668	171.8745	-0.36356	15.26831	-87.9454	3228.066
1268_1268	1268	1268	731.5928	-203.638	1.9425	13.43344	87.94538	-3227.65
1268_1269	1268	1269	-764.929	262.6536	-1.9425	-13.4334	-113.294	333.396
1269_1269	1269	1269	764.9985	-262.398	2.403188	-14.9074	113.2937	-333.737
1269_1270	1269	1270	-804.511	314.1836	-2.40319	14.90738	-140.819	-2794.16
1270_1270	1270	1270	804.5966	-340.561	-4.88906	4.265625	140.8194	2793.751
1270_1271	1270	1271	-839.08	382.011	4.889063	-4.26563	-96.0068	-5955.9
1271_1271	1271	1271	839.0117	-386.197	-4.52813	-3.51094	96.00675	5956.29
1271_1272	1271	1272	-894.062	436.6583	4.528125	3.510938	-45.486	-10825.7
1272_1272	1272	1272	810.5121	-434.081	-3.71963	2.286375	40.97494	11502.89
1272_1273	1272	1273	-826.35	454.2628	3.719625	-2.27325	-25.4573	-13374.5
1273_1273	1273	1273	833.1068	-481.061	25.18556	-9.92644	25.21313	13375.97
1273_1274	1273	1274	-843.544	519.7697	-25.1856	9.952688	-225.527	-17468.7
1274_1274	1274	1274	852.3296	-512.509	25.38244	-3.85613	225.7067	17468.77
1274_1275	1274	1275	-842.372	551.4285	-25.3824	3.899438	-425.682	-21835.9
1275_1275	1275	1275	737.7733	-548.701	26.06625	36.42319	427.3434	22531.9
1275_1276	1275	1276	-729.858	571.8576	-26.0663	-36.393	-536.339	-24506
1276_1276	1276	1276	349.7419	-590.032	-104.454	-80.8776	636.8604	26701.08
1276_1277	1276	1277	-369.318	655.7591	104.454	81.49575	592.5439	-33822.7
1277_1277	1277	1277	386.0942	-647.332	-104.168	63.62738	-582.302	33827.78
1277_1278	1277	1278	-403.669	721.4445	104.1679	-62.7848	1916.594	-42652.3
1278_1278	1278	1278	419.4225	-699.494	171.6317	-103.753	-1939.88	42657.95
1278_1279	1278	1279	-430.958	757.5002	-171.632	103.2793	284.2862	-49729.8
1279_1279	1279	1279	-3172.64	499.4391	60.23588	54.32569	-1088.14	17908.87
1279_1280	1279	1280	3210.599	-448.653	-60.2359	-54.3257	515.7561	-13203
1280_1280	1280	1280	-3208.75	448.6991	62.24925	67.59244	-514.4	13475.95
1280_1281	1280	1281	3228.616	-421.458	-62.2493	-67.5924	176.988	-11198.2
1281_1281	1281	1281	-3286.9	399.2179	-30.9999	-13.6264	-190.843	11464.99
1281_1282	1281	1282	3323.313	-341.747	30.99994	13.62638	573.993	-7033.87
1282_1282	1282	1282	-3323.38	341.9417	-20.6627	9.572063	-573.993	7033.831
1282_1283	1282	1283	3351.154	-285.481	20.66269	-9.57206	824.8931	-3338.02
1283_1283	1283	1283	-3351.15	221.9162	18.2595	-2.82713	-824.893	3338.052
1283_1284	1283	1284	3368.873	-164.231	-18.2595	2.827125	598.3674	-1015.5
1284_1284	1284	1284	-3368.74	164.4143	29.48006	4.371938	-598.367	1015.242
1284_1285	1284	1285	3377.404	-114.394	-29.4801	-4.37194	281.2373	447.972
1285_1285	1285	1285	-3377.28	65.25881	38.80406	-0.26513	-281.237	-448.036
1285_1286	1285	1286	3380.605	-13.2274	-38.8041	0.265125	-152.985	871.983
1286_1286	1286	1286	-3380.45	13.398	49.16363	1.308563	152.985	-872.102
1286_1287	1286	1287	3377.497	34.9755	-49.1636	-1.30856	-664.439	769.7708
1287_1287	1287	1287	-3377.94	-83.6955	-29.7137	-3.71175	664.4387	-769.314
1287_1288	1287	1288	3367.536	144.5955	29.71369	3.71175	-275.26	-686.48
1288_1288	1288	1288	-3367.55	-148.894	-17.8185	3.472875	275.2601	686.1803
1288_1289	1288	1289	3347.758	201.0737	17.8185	-3.47288	-75.306	-2573.03
1289_1289	1289	1289	-3347.64	-247.106	-2.9715	0.459375	75.306	2572.332
1289_1290	1289	1290	3339.234	265.7274	2.9715	-0.45938	-63.4043	-3566.39
1290_1290	1290	1290	-3336.98	-265.683	2.009438	7.331625	64.21406	3262.527
1290_1291	1290	1291	3314.031	312.8829	-2.00944	-7.33163	-83.3044	-5981.92
1291_1291	1291	1291	403.4139	1034.431	32.91619	-17.0468	-289.263	32898.38
1291_1292	1291	1292	-383.213	-992.535	-32.9162	16.80919	44.35331	-25669.8
1292_1292	1292	1292	354.186	960.4757	3.466313	-37.6596	-42.8374	25667.3
1292_1293	1292	1293	-309.062	-891.5	-3.46631	37.63069	-1.11431	-13947.9
1293_1293	1293	1293	282.051	900.7097	3.600188	33.59606	-4.03069	13944.41
1293_1294	1293	1294	-234.411	-841.793	-3.60019	-33.6105	-36.2539	-4267
1294_1294	1294	1294	180.6748	803.964	-3.15394	-4.0635	70.32113	4466.018

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1294_1295	1294	1295	-147.757	-767.633	3.153938	3.996563	-48.0795	1122.636
1295_1295	1295	1295	94.72181	771.9128	-3.49388	2.1525	59.72925	-905.487
1295_1296	1295	1296	-60.0259	-739.239	3.493875	-2.18006	-34.7209	6608.914
1296_1296	1296	1296	49.93406	742.2214	-3.47288	-0.4725	34.75238	-6609.1
1296_1297	1296	1297	-14.8706	-702.161	3.472875	0.471188	-4.21444	13292.46
1297_1297	1297	1297	14.48738	650.6535	0.741563	34.16306	4.214438	-13293
1297_1298	1297	1298	0.525	-632.198	-0.74156	-34.1631	-7.21875	14837.53
1298_1298	1298	1298	50.57194	632.7891	1.006688	19.53	2.506875	-15125.4
1298_1299	1298	1299	-25.5439	-589.167	-1.00669	-19.53	-11.0276	20180.73
1299_1299	1299	1299	25.46906	589.2981	1.074938	-32.6288	11.02763	-20180.3
1299_1300	1299	1300	4.639688	-527.54	-1.07494	32.62875	-23.9124	26732.55
1300_1300	1300	1300	-4.66725	465.4243	1.725938	55.6185	23.91244	-26732.4
1300_1301	1300	1301	31.29263	-397.596	-1.72594	-55.6185	-46.6239	32288.86
1301_1301	1301	1301	-31.2362	397.7531	1.81125	-56.5674	46.62394	-32289.1
1301_1302	1301	1302	48.12281	-339.381	-1.81125	56.56744	-67.1396	36386.47
1302_1302	1302	1302	-48.1793	271.5064	-0.18769	79.24481	67.13963	-36386.2
1302_1303	1302	1303	62.2125	-202.138	0.187688	-79.2448	-64.6052	39510.52
1303_1303	1303	1303	-62.1469	202.2956	-0.08794	-85.2626	64.60519	-39510.9
1303_1304	1303	1304	67.78013	-145.404	0.087938	85.26263	-63.6339	41405.7
1304_1304	1304	1304	-67.8313	74.68125	1.523813	75.74438	63.63394	-41405.6
1304_1305	1304	1305	69.00075	-7.35656	-1.52381	-75.7444	-83.5511	41938.56
1305_1305	1305	1305	-68.9483	7.514063	1.609125	-73.752	83.55113	-41938.8
1305_1306	1305	1306	63.88856	51.38569	-1.60913	73.752	-101.947	41714.21
1306_1306	1306	1306	-63.8951	-125.265	0.081375	71.06006	101.9471	-41714.1
1306_1307	1306	1307	51.03263	186.3881	-0.08138	-71.0601	-102.918	39928.91
1307_1307	1307	1307	-51.051	-186.232	0.156188	-54.3323	102.9184	-39928.8
1307_1308	1307	1308	30.62456	251.3424	-0.15619	54.33225	-104.896	37263.36
1308_1308	1308	1308	-30.6036	-317.209	2.597438	63.66413	104.8963	-37263.5
1308_1309	1308	1309	5.6805	379.8834	-2.59744	-63.6641	-136.488	33144.49
1309_1309	1309	1309	-5.67131	-379.727	2.678813	-50.2674	136.4882	-33144.5
1309_1310	1309	1310	-26.1818	443.3166	-2.67881	50.26744	-169.551	28219.23
1310_1310	1310	1310	26.17125	-501.966	-2.23519	40.89619	169.5514	-28219.2
1310_1311	1310	1311	-64.7483	567.9699	2.235188	-40.8962	-140.924	21551.6
1311_1311	1311	1311	64.74169	-567.806	-2.1525	-31.7441	140.9244	-21551.6
1311_1312	1311	1312	-110.339	633.6658	2.1525	31.74413	-113.404	14091.71
1312_1312	1312	1312	110.1319	-689.981	-6.31706	7.587563	113.4039	-14090.7
1312_1313	1312	1313	-190.478	782.4863	6.317063	-7.58756	0	1258.533
1400_1020	1400	1020	3193.259	-292.11	-32.8965	0.809813	-256.011	-4255.27
1400_1401	1400	1401	-3194.64	297.3377	32.8965	-0.80981	390.6118	3049.359
1401_1401	1401	1401	3193	-290.164	24.90206	-7.2345	-401.914	-3049
1401_1402	1401	1402	-3194.19	294.6182	-24.9021	7.2345	315.0197	2028.685
1402_1402	1402	1402	3200.353	-217.372	27.51788	2.069813	-314.606	-2028.76
1402_1403	1402	1403	-3204.41	231.2179	-27.5179	-2.06981	14.16319	-420.154
1403_1403	1403	1403	3233.845	-134.68	4.261688	-0.62344	-30.4251	420.1181
1403_1404	1403	1404	-3236.8	143.7358	-4.26169	0.623438	-0.30319	-1423.83
1404_1404	1404	1404	3239.275	-68.3721	2.33625	0.221813	0.589313	1423.833
1404_1405	1404	1405	-3242.45	77.36138	-2.33625	-0.22181	-17.4471	-1949.46
1405_1405	1405	1405	3239.625	33.59738	1.641938	-0.38456	1.21275	1949.435
1405_1406	1405	1406	-3246.59	-15.8747	-1.64194	0.384563	-24.8679	-1592.96
1406_1406	1406	1406	3239.405	127.6761	0.164063	-0.56306	9.6705	1592.929
1406_1407	1406	1407	-3244.07	-116.935	-0.16406	0.563063	-11.1182	-509.03
1407_1407	1407	1407	3240.905	184.9063	-1.58813	-0.52763	11.22713	509.0282
1407_1408	1407	1408	-3244.13	-177.895	1.588125	0.527625	-2.39794	499.0952
1408_1408	1408	1408	3208.854	-505.869	3.363938	1.610438	5.036063	-499.11
1408_1409	1408	1409	-3209.77	509.9601	-3.36394	-1.61044	-15.1948	-1035
1409_1409	1409	1409	3201.971	475.4689	4.452	-2.69063	15.43763	1034.268
1409_1410	1409	1410	-3201.05	-471.378	-4.452	2.690625	-28.8855	395.6663
1410_1410	1410	1410	3216.629	-209.314	1.823063	-1.19569	24.40594	-395.685
1410_1411	1410	1411	-3213.41	216.3249	-1.82306	1.195688	-34.5371	-787.05

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1411_1411	1411	1411	3217.221	-149.235	-3.79575	-0.56831	33.92025	787.0774
1411_1412	1411	1412	-3212.56	159.9741	3.79575	0.568313	-0.29006	-2156.91
1412_1412	1412	1412	3209.051	-48.6924	-0.06956	-0.93581	14.39419	2156.91
1412_1413	1412	1413	-3202.09	66.42169	0.069563	0.935813	-13.3967	-2986.56
1413_1413	1413	1413	3195.189	42.34519	-4.32994	-0.14963	25.69481	2986.583
1413_1414	1413	1414	-3192.02	-33.3624	4.329938	0.149625	5.51775	-2713.72
1414_1414	1414	1414	3190.378	107.6828	-2.26144	-1.80075	-4.93763	2713.717
1414_1415	1414	1415	-3187.42	-98.6331	2.261438	1.80075	21.23363	-1970.46
1415_1415	1415	1415	3160.688	194.8892	-14.0464	-1.54875	-8.41575	1970.471
1415_1416	1415	1416	-3156.63	-181.033	14.04638	1.54875	161.8824	83.17838
1416_1416	1416	1416	3151.205	255.0056	-46.5268	1.363688	-161.64	-83.6535
1416_1417	1416	1417	-3150.02	-250.56	46.52681	-1.36369	323.6743	963.9971
1417_1417	1417	1417	3152.164	260.9158	24.00431	-1.83094	-314.195	-964.037
1417_1036	1417	1036	-3150.79	-255.675	-24.0043	1.830938	215.7553	2063.741
1420_1056	1420	1056	2619.866	-276.65	-32.739	0.912188	-70.1453	-4648.41
1420_1421	1420	1421	-2621.08	281.2845	32.739	-0.91219	204.1568	3506.507
1421_1421	1421	1421	2620.303	-274.542	16.527	-1.31906	-213.402	-3506.45
1421_1422	1421	1422	-2621.36	278.4849	-16.527	1.319063	155.7977	2542.691
1422_1422	1422	1422	2627.234	-216.196	15.38381	1.245563	-156.117	-2542.67
1422_1423	1422	1423	-2630.83	228.4695	-15.3838	-1.24556	-11.9149	114.2571
1423_1423	1423	1423	2653.081	-148.744	2.5935	0.27825	-3.192	-114.209
1423_1424	1423	1424	-2655.7	156.7571	-2.5935	-0.27825	-15.4849	-985.812
1424_1424	1424	1424	2658.592	-96.0973	-0.10106	0.937125	15.8445	985.8056
1424_1425	1424	1425	-2661.4	104.0629	0.101063	-0.93713	-15.1121	-1707.84
1425_1425	1425	1425	2664.521	-13.3914	1.162875	0.507938	0.573563	1707.901
1425_1426	1425	1426	-2670.69	29.09944	-1.16288	-0.50794	-17.3276	-2014.13
1426_1426	1426	1426	2672.121	63.3465	0.56175	-0.53156	3.44925	2014.218
1426_1427	1426	1427	-2676.25	-53.8322	-0.56175	0.531563	-8.421	-1495.17
1427_1427	1427	1427	2674.542	109.7224	-4.68956	2.1735	9.732188	1495.162
1427_1428	1427	1428	-2677.41	-103.472	4.689563	-2.1735	16.3275	-902.862
1428_1428	1428	1428	2645.258	-461.195	1.135313	-0.273	-13.9033	902.8294
1428_1429	1428	1429	-2646.08	464.8416	-1.13531	0.273	10.47506	-2300.47
1429_1429	1429	1429	2647.406	472.6746	0.09975	0.861	-10.605	2303.814
1429_1430	1429	1430	-2646.59	-469.017	-0.09975	-0.861	10.30313	-877.959
1430_1430	1430	1430	2683.069	-97.9834	3.084375	-0.93319	-13.6146	877.9562
1430_1431	1430	1431	-2680.2	104.2322	-3.08438	0.933188	-3.52538	-1439.76
1431_1431	1431	1431	2681.787	-48.4418	-0.79538	1.061813	2.606625	1439.759
1431_1432	1431	1432	-2677.65	57.95344	0.795375	-1.06181	4.440188	-1910.95
1432_1432	1432	1432	2677.559	34.55944	-0.74944	0.219188	10.93313	1911.035
1432_1433	1432	1433	-2671.39	-18.8541	0.749438	-0.21919	-0.12863	-1526.17
1433_1433	1433	1433	2671.242	109.7368	1.54875	-0.24806	15.14363	1526.267
1433_1434	1433	1434	-2668.43	-101.773	-1.54875	0.248063	-26.3104	-763.54
1434_1434	1434	1434	2665.35	163.6884	-3.108	0.502688	25.85231	763.5561
1434_1435	1434	1435	-2662.73	-155.666	3.108	-0.50269	-3.44663	387.3148
1435_1435	1435	1435	2633.418	235.3785	-26.2946	-0.27038	19.72031	-387.223
1435_1436	1435	1436	-2629.82	-223.101	26.29463	0.270375	267.582	2891.945
1436_1436	1436	1436	2623.819	284.7298	-30.7729	0.922688	-266.155	-2892.08
1436_1437	1436	1437	-2622.76	-280.79	30.77288	-0.92269	373.3406	3876.958
1437_1437	1437	1437	2624.432	288.0649	27.69375	-1.15369	-369.705	-3876.53
1437_1072	1437	1072	-2623.21	-283.433	-27.6938	1.153688	256.4126	5045.518
1440_1094	1440	1094	3094.571	-260.291	-29.7229	0.17325	20.28338	-2902.29
1440_1441	1440	1441	-3095.78	264.8861	29.72288	-0.17325	101.4681	1797.94
1441_1441	1441	1441	3093.535	-256.64	9.5025	-1.29938	-117.34	-1797.88
1441_1442	1441	1442	-3094.58	260.5496	-9.5025	1.299375	84.18506	895.5686
1442_1442	1442	1442	3099.937	-186.252	9.535313	0.731063	-84.189	-895.569
1442_1443	1442	1443	-3103.5	198.4093	-9.53531	-0.73106	-19.9749	-1205.45
1443_1443	1443	1443	3120.96	-103.273	0.921375	0.489563	1.004063	1205.505
1443_1444	1443	1444	-3123.56	111.2081	-0.92138	-0.48956	-7.63875	-1977.58
1444_1444	1444	1444	3125.28	-39.9433	1.350563	0.043313	7.550813	1977.577

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1444_1445	1444	1445	-3128.06	47.83275	-1.35056	-0.04331	-17.2896	-2294.15
1445_1445	1445	1445	3132.465	58.79344	1.221938	0.189	-1.15763	2294.221
1445_1446	1445	1446	-3138.58	-43.2259	-1.22194	-0.189	-16.4588	-1558.61
1446_1446	1446	1446	3141.814	153.4614	3.075188	0.15225	-2.28113	1558.676
1446_1447	1446	1447	-3145.91	-144.043	-3.07519	-0.15225	-24.9533	-241.306
1447_1447	1447	1447	3142.279	208.7387	-1.68	-0.00656	25.11338	241.2887
1447_1448	1447	1448	-3145.12	-202.542	1.68	0.006563	-15.7749	901.7636
1448_1448	1448	1448	3133.024	-462.357	-18.1309	5.415375	19.13756	-901.824
1448_1449	1448	1449	-3133.83	465.9638	18.13088	-5.41538	35.50444	-497.048
1449_1449	1449	1449	3132.428	463.7128	20.54588	-5.40094	-35.5058	497.5412
1449_1450	1449	1450	-3131.62	-460.092	-20.5459	5.400938	-26.6359	899.5206
1450_1450	1450	1450	3140.482	-206.441	-2.05931	0.060375	23.289	-899.498
1450_1451	1450	1451	-3137.64	212.6381	2.059313	-0.06038	-11.8401	-265.478
1451_1451	1451	1451	3141.345	-148.078	-1.071	-0.26513	11.8755	265.4768
1451_1452	1451	1452	-3137.25	157.5	1.071	0.265125	-2.39006	-1618.87
1452_1452	1452	1452	3131.138	-48.1176	-1.6695	-0.20738	20.24138	1618.886
1452_1453	1452	1453	-3125.03	63.67594	1.6695	0.207375	3.815438	-2424.59
1453_1453	1453	1453	3117.724	43.66294	-0.58406	-0.26381	14.41913	2424.617
1453_1454	1453	1454	-3114.94	-35.7735	0.584063	0.263813	-10.2047	-2138.09
1454_1454	1454	1454	3113.406	104.0983	-0.83606	-0.31238	10.13906	2138.091
1454_1455	1454	1455	-3110.81	-96.1866	0.836063	0.312375	-4.13306	-1418.94
1455_1455	1455	1455	3092.455	195.4404	-9.19275	-0.57356	23.12888	1418.994
1455_1456	1455	1456	-3088.89	-183.259	9.19275	0.573563	77.46769	653.1407
1456_1456	1456	1456	3083.735	255.6908	-11.8493	0.668063	-77.3063	-653.16
1456_1457	1456	1457	-3082.69	-251.781	11.84925	-0.66806	118.6539	1538.511
1457_1457	1457	1457	3085.445	260.4394	27.24094	-0.39638	-103.302	-1538.44
1457_1110	1457	1110	-3084.24	-255.846	-27.2409	0.396375	-8.28319	2621.804
1460_1132	1460	1132	2591.72	-265.139	5.83275	0.049875	270.7884	-4400.42
1460_1461	1460	1461	-2592.93	269.7319	-5.83275	-0.04988	-294.669	3177.183
1461_1461	1461	1461	2589.612	-263.138	-25.0688	2.412375	269.934	-3177.18
1461_1462	1461	1462	-2590.66	267.0465	25.06875	-2.41238	-182.494	2252.51
1462_1462	1462	1462	2596.339	-204.808	-22.7456	0.095813	183.1043	-2252.46
1462_1463	1462	1463	-2599.9	216.9615	22.74563	-0.09581	65.28769	-50.4814
1463_1463	1463	1463	2593.315	-137.202	3.426938	1.500188	-83.0222	50.10206
1463_1464	1463	1464	-2595.91	145.1468	-3.42694	-1.50019	58.32094	-1067.68
1464_1464	1464	1464	2598.562	-84.8308	10.86094	-0.23625	-59.3604	1067.623
1464_1465	1464	1465	-2601.35	92.71763	-10.8609	0.23625	-18.9709	-1707.9
1465_1465	1465	1465	2578.977	-0.60506	2.212875	0.606375	-2.50819	1707.771
1465_1466	1465	1466	-2585.09	16.16081	-2.21288	-0.60638	-29.3843	-1828.58
1466_1466	1466	1466	2547.761	79.74094	-5.943	0.79275	9.809625	1828.439
1466_1467	1466	1467	-2551.85	-70.3224	5.943	-0.79275	42.82425	-1163.99
1467_1467	1467	1467	2549.878	122.7398	-1.02506	-0.525	-43.8086	1163.958
1467_1468	1467	1468	-2552.72	-116.543	1.025063	0.525	49.50488	-498.93
1468_1468	1468	1468	2484.674	-403.519	12.75881	-25.4901	-47.3379	498.6673
1468_1469	1468	1469	-2485.48	407.1388	-12.7588	25.49006	8.76225	-1724.19
1469_1469	1469	1469	2466.545	399.3688	-6.47325	25.473	-42.6812	1670.978
1469_1470	1469	1470	-2465.74	-395.749	6.47325	-25.473	62.25188	-468.948
1470_1470	1470	1470	2525.429	-120.119	3.421688	-0.40294	-64.5002	468.6885
1470_1471	1470	1471	-2522.58	126.315	-3.42169	0.402938	45.48338	-1153.57
1471_1471	1471	1471	2524.642	-74.3951	6.0795	-0.66675	-44.961	1153.588
1471_1472	1471	1472	-2520.55	83.81494	-6.0795	0.66675	-8.87644	-1854.12
1472_1472	1472	1472	2547.397	11.19038	-2.60925	-0.95156	27.38006	1854.005
1472_1473	1472	1473	-2541.28	4.377188	2.60925	0.951563	10.25063	-1804.88
1473_1473	1473	1473	2557.511	85.15631	-1.25869	-0.97125	8.035125	1804.706
1473_1474	1473	1474	-2554.73	-77.2695	1.258688	0.97125	1.042125	-1218.96
1474_1474	1474	1474	2552.302	135.5169	-1.54481	-0.8085	-1.10906	1218.962
1474_1475	1474	1475	-2549.7	-127.583	1.544813	0.8085	12.23381	-271.961
1475_1475	1475	1475	2556.852	206.1216	0.343875	-0.83869	5.229	271.8437
1475_1476	1475	1476	-2553.29	-193.967	-0.34388	0.838688	-8.97881	1913.124

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1476_1476	1476	1476	2547.902	255.1684	2.1	0.301875	8.59425	-1913.12
1476_1477	1476	1477	-2546.86	-251.26	-2.1	-0.30188	-15.9193	2796.541
1477_1477	1477	1477	2548.975	258.1307	8.2215	0.279563	33.61313	-2796.6
1477_1148	1477	1148	-2547.77	-253.537	-8.2215	-0.27956	-67.284	3844.366
1480_1168	1480	1168	2265.992	-251.132	21.34256	1.019813	-62.8556	-4581.07
1480_1481	1480	1481	-2267.2	255.7262	-21.3426	-1.01981	-24.5595	3543.103
1481_1481	1481	1481	2265.824	-250.122	-4.72631	-5.70675	3.552938	-3542.99
1481_1482	1481	1482	-2266.87	254.0304	4.726313	5.70675	12.936	2663.59
1482_1482	1482	1482	2272.31	-199.614	2.044875	2.751	-10.6838	-2663.6
1482_1483	1482	1483	-2275.87	211.7706	-2.04488	-2.751	-11.6471	416.9078
1483_1483	1483	1483	2242.646	-143.441	0.422625	1.1865	-5.99813	-417.03
1483_1484	1483	1484	-2245.24	151.3864	-0.42263	-1.1865	2.954438	-645.569
1484_1484	1484	1484	2248.155	-99.1673	0.736313	1.164188	-2.95838	645.5689
1484_1485	1484	1485	-2250.94	107.0541	-0.73631	-1.16419	-2.34806	-1389.25
1485_1485	1485	1485	2205.045	-28.0823	4.148813	1.120875	-16.4246	1389.136
1485_1486	1485	1486	-2211.16	43.63669	-4.14881	-1.12088	-43.365	-1905.91
1486_1486	1486	1486	2153.037	39.14269	-13.6553	0.9345	25.71975	1905.787
1486_1487	1486	1487	-2157.13	-29.7242	13.65525	-0.9345	95.20613	-1600.86
1487_1487	1487	1487	2156.086	74.04731	-9.52219	-0.13125	-96.5554	1600.78
1487_1488	1487	1488	-2158.93	-67.851	9.522188	0.13125	149.4833	-1206.41
1488_1488	1488	1488	2057.457	-361.629	17.74631	-45.2799	-149.007	1206.182
1488_1489	1488	1489	-2058.27	365.2478	-17.7463	45.27994	95.34919	-2305.05
1489_1489	1489	1489	2063.429	367.9738	-19.8043	45.50831	-44.0961	2319.131
1489_1490	1489	1490	-2062.62	-364.355	19.80431	-45.5083	103.9763	-1212.02
1490_1490	1490	1490	2160.771	-65.0108	7.679438	-0.36225	-106.332	1211.524
1490_1491	1490	1491	-2157.93	71.20575	-7.67944	0.36225	63.64706	-1590.09
1491_1491	1491	1491	2158.925	-26.7986	9.935625	-0.70481	-62.9226	1590.123
1491_1492	1491	1492	-2154.83	36.21713	-9.93563	0.704813	-25.0661	-1869.14
1492_1492	1492	1492	2213.744	46.22888	-3.97163	-1.23244	42.14438	1868.953
1492_1493	1492	1493	-2207.63	-30.6744	3.971625	1.232438	15.09375	-1314.83
1493_1493	1493	1493	2251.9	109.6148	-0.89644	-1.34663	2.60925	1314.697
1493_1494	1493	1494	-2249.12	-101.728	0.896438	1.346625	3.860063	-552.547
1494_1494	1494	1494	2246.144	153.9681	-1.21013	-1.17731	-3.9165	552.5468
1494_1495	1494	1495	-2243.55	-146.022	1.210125	1.177313	12.64069	528.6645
1495_1495	1495	1495	2273.356	214.1226	-1.80731	-0.75206	3.466313	-528.775
1495_1496	1495	1496	-2269.8	-201.966	1.807313	0.752063	16.27894	2801.16
1496_1496	1496	1496	2264.299	256.3523	-2.27588	-0.95944	-16.1319	-2801.16
1496_1497	1496	1497	-2263.26	-252.444	2.275875	0.959438	24.07388	3688.706
1497_1497	1497	1497	2264.767	258.1569	-10.7166	-0.70613	-8.88038	-3688.75
1497_1184	1497	1184	-2263.56	-253.565	10.71656	0.706125	52.76775	4831.361
1500_1204	1500	1204	2798.784	-284.072	-38.64	-0.17719	43.34663	-4636.34
1500_1501	1500	1501	-2800.21	289.5047	38.64	0.177188	114.9015	3415.897
1501_1501	1501	1501	2798.618	-282.539	10.03013	0.33075	-121.562	-3416
1501_1502	1501	1502	-2799.85	287.1619	-10.0301	-0.33075	86.56988	2422.214
1502_1502	1502	1502	2805.998	-219.182	8.151938	0.770438	-87.0227	-2422.2
1502_1503	1502	1503	-2810.21	233.5449	-8.15194	-0.77044	-1.93463	-48.0703
1503_1503	1503	1503	2839.153	-149.549	0.727125	0.67725	-8.26088	47.99025
1503_1504	1503	1504	-2842.23	158.9464	-0.72713	-0.67725	3.021375	-1159.86
1504_1504	1504	1504	2845.151	-92.8528	1.124813	0.58275	-3.06338	1159.858
1504_1505	1504	1505	-2848.44	102.1808	-1.12481	-0.58275	-5.05313	-1863.19
1505_1505	1505	1505	2862.635	-5.43375	0.775688	0.427875	-5.59913	1863.115
1505_1506	1505	1506	-2869.86	23.84419	-0.77569	-0.42788	-5.58206	-2074.22
1506_1506	1506	1506	2877.986	76.52006	2.563313	-0.18113	-4.97963	2074.106
1506_1507	1506	1507	-2882.83	-65.3809	-2.56331	0.181125	-17.7174	-1445.78
1507_1507	1507	1507	2880.873	124.6678	-0.46331	0.943688	18.39338	1445.775
1507_1508	1507	1508	-2884.21	-117.403	0.463313	-0.94369	-15.8169	-773.022
1508_1508	1508	1508	2855.537	-492.463	-3.70519	3.801	20.0655	773.0559
1508_1509	1508	1509	-2856.49	496.7064	3.705188	-3.801	-8.862	-2268.44
1509_1509	1509	1509	2856.728	494.2888	-2.38481	-4.01756	8.9145	2268.072

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1509_1510	1509	1510	-2855.78	-490.059	2.384813	4.017563	-1.72988	-784.774
1510_1510	1510	1510	2891.388	-118.142	3.32325	-1.70363	-1.13006	784.8855
1510_1511	1510	1511	-2888.05	125.4081	-3.32325	1.703625	-17.3381	-1461.77
1511_1511	1511	1511	2890.019	-66.0463	-2.2365	0.7245	16.08994	1461.79
1511_1512	1511	1512	-2885.18	77.1855	2.2365	-0.7245	3.717	-2095.98
1512_1512	1512	1512	2883.266	23.163	-0.0315	-0.40556	7.930125	2095.901
1512_1513	1512	1513	-2876.04	-4.75256	0.0315	0.405563	-7.48125	-1894.62
1513_1513	1513	1513	2870.577	101.619	-1.44375	-0.53025	17.98256	1894.519
1513_1514	1513	1514	-2867.28	-92.2898	1.44375	0.53025	-7.57313	-1195.24
1514_1514	1514	1514	2864.366	158.8991	-1.84538	-0.5355	7.50225	1195.24
1514_1515	1514	1515	-2861.29	-149.502	1.845375	0.5355	5.794688	-83.7178
1515_1515	1515	1515	2835.701	233.5607	-17.4326	-1.87294	4.746	83.60494
1515_1516	1515	1516	-2831.49	-219.197	17.43263	1.872938	185.4878	2386.827
1516_1516	1516	1516	2825.354	287.7906	-15.5361	4.272188	-185.918	-2386.79
1516_1517	1516	1517	-2824.12	-283.168	15.53606	-4.27219	240.1206	3382.773
1517_1517	1517	1517	2822.819	290.0428	41.79919	-0.20081	-234.432	-3382.93
1517_1220	1517	1220	-2821.39	-284.61	-41.7992	0.200813	63.24413	4559.678
1520_1241	1520	1241	2727.345	-349.872	-24.0384	59.25281	-530.619	-7678.51
1520_1521	1520	1521	-2729.06	356.4054	24.03844	-59.2528	629.1771	6230.612
1521_1521	1521	1521	2714.607	-348.989	47.00588	8.806875	-621.44	-6247.39
1521_1522	1521	1522	-2716.09	354.5312	-47.0059	-8.80688	457.7396	5022.355
1522_1522	1522	1522	2723.882	-290.055	37.16081	0.910875	-462.894	-5021.89
1522_1523	1522	1523	-2728.94	307.314	-37.1608	-0.91088	57.23419	1761.425
1523_1523	1523	1523	2767.041	-226.4	8.159813	0.97125	-66.6593	-1761.41
1523_1524	1523	1524	-2770.73	237.6872	-8.15981	-0.97125	7.847438	88.84181
1524_1524	1524	1524	2775.512	-173.31	3.331125	0.994875	-7.87763	-88.8392
1524_1525	1524	1525	-2779.47	184.5165	-3.33113	-0.99488	-16.1477	-1201.62
1525_1525	1525	1525	2773.306	-92.8804	-1.66425	0.292688	9.037875	1200.045
1525_1526	1525	1526	-2781.99	114.9829	1.66425	-0.29269	14.95856	-2698.08
1526_1526	1526	1526	2772.621	-21.2756	-0.73894	-2.51344	-19.2872	2694.808
1526_1527	1526	1527	-2778.44	34.66575	0.738938	2.513438	25.83788	-2942.65
1527_1527	1527	1527	2778.551	23.08425	-6.06113	3.639563	-23.3061	2942.671
1527_1528	1527	1528	-2782.53	-14.4244	6.061125	-3.63956	56.99925	-2838.42
1528_1528	1528	1528	2715.725	-569.563	1.172063	-3.51356	-48.1753	2837.405
1528_1529	1528	1529	-2716.86	574.6164	-1.17206	3.513563	44.6355	-4565.39
1529_1529	1529	1529	2714.001	563.3066	5.692313	2.018625	-44.3008	4561.775
1529_1530	1529	1530	-2712.87	-558.254	-5.69231	-2.01863	27.111	-2868.33
1530_1530	1530	1530	2767.57	-20.9698	10.13775	-3.16575	-36.2434	2867.06
1530_1531	1530	1531	-2763.59	29.63363	-10.1378	3.16575	-20.1233	-3007.74
1531_1531	1531	1531	2763.632	26.79206	6.595313	0.296625	18.37238	3007.751
1531_1532	1531	1532	-2757.82	-13.4124	-6.59531	-0.29663	-76.7773	-2829.74
1532_1532	1532	1532	2755.262	109.8786	-0.98306	-1.17338	78.099	2827.836
1532_1533	1532	1533	-2746.58	-87.7708	0.983063	1.173375	-63.9253	-1403.12
1533_1533	1533	1533	2745.489	181.4663	-2.82581	-0.44363	67.56488	1402.489
1533_1534	1533	1534	-2741.53	-170.26	2.825813	0.443625	-47.1791	-134.078
1534_1534	1534	1534	2736.828	234.003	-5.04	-1.43063	47.12006	134.0929
1534_1535	1534	1535	-2733.14	-222.714	5.04	1.430625	-10.7861	1512.133
1535_1535	1535	1535	2732.24	303.5458	-2.01075	1.147125	18.49181	-1510.77
1535_1536	1535	1536	-2727.18	-286.284	2.01075	-1.14713	3.462375	4730.519
1536_1536	1536	1536	2719.428	352.3446	-7.09406	-7.9275	-0.98963	-4730.51
1536_1537	1536	1537	-2717.95	-346.789	7.094063	7.9275	25.74994	5950.681
1537_1537	1537	1537	2719.483	353.5245	-16.7777	-58.5729	-21.0893	-5961.3
1537_1255	1537	1255	-2717.77	-347.009	16.77769	58.57294	89.70281	7467.67
1540_1279	1540	1279	3794.255	-346.091	115.2611	199.1903	911.3383	-3354.31
1540_1541	1540	1541	-3796.1	353.1124	-115.261	-199.19	-1383.35	1856.88
1541_1541	1541	1541	3875.504	-314.39	-74.5566	28.26863	1371.297	-1929.31
1541_1542	1541	1542	-3877.1	320.3721	74.55656	-28.2686	-1110.99	821.1761
1542_1542	1542	1542	3883.571	-226.184	-82.5773	-0.441	1110.838	-821.861
1542_1543	1542	1543	-3889.01	244.7642	82.57725	0.441	-209.157	-1749.35

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1543_1543	1543	1543	3831.262	-141.137	-9.54319	-4.75256	202.062	1748.305
1543_1544	1543	1544	-3835.23	153.2869	9.543188	4.752563	-133.263	-2809.56
1544_1544	1544	1544	3837.707	-63.1103	-25.1803	3.629063	137.1812	2809.37
1544_1545	1544	1545	-3841.96	75.16031	25.18031	-3.62906	44.30738	-3307.67
1545_1545	1545	1545	3831.073	49.78313	0.97125	-0.90825	-44.9439	3301.928
1545_1546	1545	1546	-3840.42	-25.998	-0.97125	0.90825	30.94744	-2755.81
1546_1546	1546	1546	3846.342	156.9986	10.08	-0.99225	-30.954	2752.477
1546_1547	1546	1547	-3852.6	-142.598	-10.08	0.99225	-58.3078	-1425.93
1547_1547	1547	1547	3848.967	220.0078	4.135688	-0.01838	59.26069	1425.891
1547_1548	1547	1548	-3853.24	-210.702	-4.13569	0.018375	-82.2714	-227.673
1548_1548	1548	1548	3844.961	-602.697	-19.0588	5.3235	93.49988	223.692
1548_1549	1548	1549	-3846.17	608.118	19.05881	-5.3235	-35.9546	-2051.58
1549_1549	1549	1549	3868.545	636.6058	-26.5545	-7.84613	36.68569	2057.198
1549_1550	1549	1550	-3867.29	-631.276	26.5545	7.846125	42.33338	-170.727
1550_1550	1550	1550	3919.869	-214.359	14.66063	-2.63156	-45.7524	177.2702
1550_1551	1550	1551	-3915.36	223.7458	-14.6606	2.631563	-37.2212	-1417.02
1551_1551	1551	1551	3919.499	-133.294	9.372563	-1.60781	36.2985	1417.046
1551_1552	1551	1552	-3913.35	146.9016	-9.37256	1.607813	-115.244	-2597.09
1552_1552	1552	1552	3934.574	7.138688	-0.09844	-3.00563	115.2729	2594.819
1552_1553	1552	1553	-3925.21	16.00069	0.098438	3.005625	-113.89	-2657.2
1553_1553	1553	1553	3937.21	130.3864	-12.8336	-3.71963	113.4328	2654.401
1553_1554	1553	1554	-3932.97	-118.637	12.83363	3.719625	-23.0239	-1777.24
1554_1554	1554	1554	3928.605	219.702	-17.4392	-2.18663	22.21669	1777.252
1554_1555	1554	1555	-3924.67	-207.842	17.43919	2.186625	100.7029	-270.487
1555_1555	1555	1555	3912.148	341.8511	-36.4849	-1.94119	-97.6133	268.4732
1555_1556	1555	1556	-3906.85	-323.735	36.48488	1.941188	486.045	3274.533
1556_1556	1556	1556	3896.228	432.3546	-45.3167	3.938813	-483.903	-3274.85
1556_1557	1556	1557	-3894.69	-426.481	45.31669	-3.93881	639.1022	4745.501
1557_1557	1557	1557	3861.951	459.7058	30.9015	10.24669	-637.887	-4745.04
1557_1291	1557	1291	-3859.5	-450.075	-30.9015	-10.2467	464.6841	7367.642
41000_1000	41000	1000	-3.4965	510.4667	-0.66806	-11.0171	0	-16.5926
41000_1001	41000	1001	3.4965	-445.205	0.668063	11.01713	11.35838	8142.444
41001_1001	41001	1001	-3.49519	445.2053	-0.67463	4.983563	-11.3584	-8142.45
41001_1002	41001	1002	3.495188	-403.553	0.674625	-4.98356	18.68213	12748.34
41002_1002	41002	1002	-3.4125	372.9587	2.2155	-10.3976	-18.6821	-12747.4
41002_1003	41002	1003	3.4125	-326.167	-2.2155	10.39763	-8.32913	17009.56
41003_1003	41003	1003	-3.41381	326.1668	2.212875	3.468938	8.329125	-17009.6
41003_1004	41003	1004	3.413813	-279.371	-2.21288	-3.46894	-35.3076	20701.48
41004_1004	41004	1004	-3.46106	247.4745	0.380625	-12.3585	35.30756	-20699.9
41004_1005	41004	1005	3.461063	-200.666	-0.38063	12.3585	-39.9512	23432.91
41005_1005	41005	1005	-3.46106	200.6655	0.378	6.729188	39.95119	-23432.9
41005_1006	41005	1006	3.461063	-153.853	-0.378	-6.72919	-44.5594	25595.17
41006_1006	41006	1006	-3.46763	118.0187	0.077438	-12.3743	44.55938	-25593.7
41006_1007	41006	1007	3.467625	-71.2294	-0.07744	12.37425	-45.5109	26747.32
41007_1007	41007	1007	-3.46763	71.22938	0.074813	9.415875	45.51094	-26747.3
41007_1008	41007	1008	3.467625	-24.4361	-0.07481	-9.41588	-46.4297	27330.55
41008_1008	41008	1008	-3.46369	-12.831	0.473813	-9.58256	46.42969	-27329.6
41008_1009	41008	1009	3.463688	59.59931	-0.47381	9.582563	-52.2086	26888.21
41009_1009	41009	1009	-3.46369	-59.5993	0.471188	9.681	52.20863	-26888.2
41009_1010	41009	1010	3.463688	106.4109	-0.47119	-9.681	-57.9626	25875.74
41010_1010	41010	1010	-3.46763	-143.444	0.0105	-19.2006	57.96263	-25875.3
41010_1011	41010	1011	3.467625	190.2272	-0.0105	19.20056	-58.0873	23841.52
41011_1011	41011	1011	-3.46763	-190.227	0.003938	22.02638	58.08731	-23841.5
41011_1012	41011	1012	3.467625	236.9811	-0.00394	-22.0264	-58.1372	21239.24
41012_1012	41012	1012	-3.46763	-273.768	-0.74419	9.457875	58.13719	-21239.2
41012_1013	41012	1013	3.467625	320.5637	0.744188	-9.45788	-49.0704	17615.59
41013_1013	41013	1013	-3.46894	-320.564	-0.74025	-4.87856	49.07044	-17615.6
41013_1014	41013	1014	3.468938	367.3556	0.74025	4.878563	-40.0378	13421.82
41014_1014	41014	1014	-3.46894	-403.988	0.616875	6.385313	40.03781	-13421.8

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41014_1015	41014	1015	3.468938	468.2055	-0.61688	-6.38531	-50.3711	6124.367
41015_1015	41015	1015	1.85325	-468.215	0.622125	-2.63813	50.34488	-6126.52
41015_1016	41015	1016	-2.18925	497.7998	-0.62213	2.638125	-55.4768	2141.72
41016_1016	41016	1016	13.46363	-523.014	5.011125	-0.09975	42.66019	-3292.59
41016_1017	41016	1017	-14.8549	565.4093	-5.01113	0.09975	-101.539	-3287.26
41017_1017	41017	1017	30.70725	-564.77	5.016375	1.715438	101.7804	3287.255
41017_1018	41017	1018	-33.8336	616.098	-5.01638	-1.71544	-168.383	-11156.6
41018_1018	41018	1018	53.42925	-639.589	-4.14619	-12.915	167.4829	11156.4
41018_1019	41018	1019	-57.9613	690.3934	4.146188	12.915	-115.461	-19469.9
41019_1019	41019	1019	76.9545	-688.535	-4.14094	16.11488	118.8311	19469.92
41019_1020	41019	1020	-83.2834	742.6046	4.140938	-16.1149	-66.7052	-28281.3
41020_1020	41020	1020	-2807.76	194.1529	-5.48625	-4.14356	189.3504	4669.089
41020_1021	41020	1021	2807.762	-159.033	5.48625	4.143563	-137.219	-2990.98
41021_1021	41021	1021	-2807.77	159.033	-2.21419	-0.65888	137.2193	2990.98
41021_1022	41021	1022	2807.766	-133.154	2.214188	0.658875	-120.056	-1858.74
41022_1022	41022	1022	-2807.77	133.1544	1.384688	1.723313	120.0557	1858.736
41022_1023	41022	1023	2807.766	-107.281	-1.38469	-1.72331	-130.789	-927.17
41023_1023	41023	1023	-2807.72	82.74656	-13.8771	-0.62869	130.7893	927.1592
41023_1024	41023	1024	2807.717	-56.0359	13.87706	0.628688	-19.7768	-372.05
41024_1024	41024	1024	-2807.72	56.03588	-13.8771	-0.62869	19.77675	372.0504
41024_1025	41024	1025	2807.717	-29.3252	13.87706	0.628688	91.2345	-30.6193
41025_1025	41025	1025	-2807.73	29.32519	-10.3884	-0.59063	-91.2345	30.61931
41025_1026	41025	1026	2807.733	-2.61844	10.38844	0.590625	174.3289	97.13025
41026_1026	41026	1026	-2807.74	-20.6771	-6.59269	-0.58013	-174.329	-97.1303
41026_1027	41026	1027	2807.737	40.69931	6.592688	0.580125	213.8574	-86.8901
41027_1027	41027	1027	-2807.74	-40.6993	-1.43063	-0.42131	-213.857	86.89144
41027_1028	41027	1028	2807.743	60.75038	1.430625	0.421313	222.4464	-391.51
41028_1028	41028	1028	-2807.74	-60.7504	-1.93725	-0.49088	-222.446	391.5096
41028_1029	41028	1029	2807.743	80.76994	1.93725	0.490875	234.0621	-815.741
41029_1029	41029	1029	-2807.74	-80.7699	-1.43063	-0.34388	-234.062	815.7411
41029_1030	41029	1030	2807.743	100.821	1.430625	0.343875	242.6511	-1360.99
41030_1030	41030	1030	-2807.73	-123.635	10.20338	-0.35438	-242.651	1360.997
41030_1031	41030	1031	2807.728	150.3311	-10.2034	0.354375	161.0726	-2456.22
41031_1031	41031	1031	-2807.73	-150.331	10.57613	-0.02756	-161.073	2456.223
41031_1032	41031	1032	2807.726	177.0615	-10.5761	0.027563	76.4085	-3766.65
41032_1032	41032	1032	-2807.73	-177.062	10.20338	-0.52763	-76.4085	3766.655
41032_1033	41032	1033	2807.728	203.7578	-10.2034	0.527625	-5.16994	-5289.04
41033_1033	41033	1033	-2807.8	-226.288	-7.72538	-32.5001	5.169938	5289.202
41033_1034	41033	1034	2807.8	252.1733	7.725375	32.50013	54.72075	-7143.82
41034_1034	41034	1034	-2807.81	-252.173	-4.12256	-23.3349	-54.7208	7143.856
41034_1035	41034	1035	2807.808	278.0558	4.122563	23.33494	86.68013	-9198.86
41035_1035	41035	1035	-2807.72	-278.056	22.7955	64.85588	-86.6801	9198.663
41035_1036	41035	1036	2807.717	313.1717	-22.7955	-64.8559	-129.918	-12247.7
41036_1036	41036	1036	14.6055	604.9089	3.043688	-13.8994	-14.6777	38287.23
41036_1037	41036	1037	-8.27663	-550.848	-3.04369	13.89938	-23.6342	-30872.2
41037_1037	41037	1037	-6.93	550.8668	3.088313	9.472313	21.09975	30872.2
41037_1038	41037	1038	11.46206	-500.043	-3.08831	-9.47231	-59.8579	-24148.9
41038_1038	41038	1038	-26.7081	481.7334	-4.31419	-4.08319	60.82388	24150.1
41038_1039	41038	1039	29.83444	-430.45	4.314188	4.083188	-3.59231	-18157.5
41039_1039	41039	1039	-71.1047	338.2155	-1.13925	-0.83475	33.4845	2549.894
41039_1040	41039	1040	72.49856	-295.71	1.13925	0.83475	-20.0931	1301.375
41040_1040	41040	1040	-79.0886	268.7344	-0.315	-0.11025	20.05763	-1301.46
41040_1041	41040	1041	79.42331	-239.233	0.315	0.11025	-17.4602	3547.555
41041_1041	41041	1041	-82.1376	238.3159	-0.29531	-1.08938	17.45756	-3547.56
41041_1042	41041	1042	82.13756	-185.943	0.295313	1.089375	-12.6354	6806.255
41042_1042	41042	1042	-82.1363	155.2044	-0.05644	2.936063	12.63544	-6806.46
41042_1043	41042	1043	82.13625	-116.729	0.056438	-2.93606	-11.9543	8435.468
41043_1043	41043	1043	-82.1363	116.7285	0.011813	-4.08056	11.95425	-8435.47
41043_1044	41043	1044	82.13625	-78.2565	-0.01181	4.080563	-12.0908	9603.443

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41044_1044	41044	1044	-82.1349	45.42956	0.244125	3.866625	12.09075	-9603.71
41044_1045	41044	1045	82.13494	-6.96281	-0.24413	-3.86663	-15.0137	9917.507
41045_1045	41045	1045	-82.1349	6.962813	0.312375	-4.38638	15.01369	-9917.51
41045_1046	41045	1046	82.13494	31.50263	-0.31238	4.386375	-18.753	9770.545
41046_1046	41046	1046	-82.1441	-65.6552	-0.24281	3.482063	18.753	-9770.85
41046_1047	41046	1047	82.14413	104.1469	0.242813	-3.48206	-15.8419	8753.22
41047_1047	41047	1047	-82.1441	-104.147	-0.17981	-3.23794	15.84188	-8753.22
41047_1048	41047	1048	82.14413	142.6044	0.179813	3.237938	-13.6894	7275.752
41048_1048	41048	1048	-82.1428	-175.031	0.018375	4.450688	13.68938	-7275.92
41048_1049	41048	1049	82.14281	213.5188	-0.01838	-4.45069	-13.9112	4947.613
41049_1049	41049	1049	-82.1428	-213.519	0.149625	-3.4755	13.91119	-4947.61
41049_1050	41049	1050	82.14281	251.9685	-0.14963	3.4755	-15.7093	2160.949
41050_1050	41050	1050	-82.1454	-282.244	-0.04331	-0.29006	15.70931	-2161.02
41050_1051	41050	1051	82.14544	334.5681	0.043312	0.290063	-14.994	-3236.32
41051_1051	41051	1051	-78.3353	-335.48	0.074812	3.682875	15.036	3236.314
41051_1052	41051	1052	78.02419	362.7343	-0.07481	-3.68288	-15.6542	-6085.62
41052_1052	41052	1052	-69.4286	-388.984	1.14975	-2.95575	15.52294	6085.627
41052_1053	41052	1053	68.14238	428.2163	-1.14975	2.95575	-29.0325	-10860.3
41053_1053	41053	1053	-59.5914	-431.362	3.484688	8.679563	33.1065	11149.96
41053_1054	41053	1054	56.50575	481.8818	-3.48469	-8.67956	-79.3682	-17392
41054_1054	41054	1054	-41.0799	-504.131	-2.50031	-6.9405	78.38513	17392.12
41054_1055	41054	1055	36.62269	553.9892	2.500313	6.9405	-47.0059	-23757.2
41055_1055	41055	1055	-21.357	-554.787	-2.42681	11.67206	49.13081	23757.15
41055_1056	41055	1056	15.16069	607.6455	2.426813	-11.6721	-18.5601	-30838.2
41056_1056	41056	1056	-2650.37	260.7806	-3.65269	-3.42038	94.01175	8470.025
41056_1057	41056	1057	2650.368	-226.108	3.652688	3.420375	-59.3066	-6157.24
41057_1057	41057	1057	-2650.37	226.1083	-1.75875	1.01325	59.30663	6106.664
41057_1058	41057	1058	2650.369	-198.442	1.75875	-1.01325	-45.6829	-4462.35
41058_1058	41058	1058	-2650.37	198.4421	-1.75875	1.01325	45.68288	4462.346
41058_1059	41058	1059	2650.369	-170.776	1.75875	-1.01325	-32.0591	-3032.34
41059_1059	41059	1059	-2650.47	147.8006	-12.6459	-2.14856	32.05913	3032.379
41059_1060	41059	1060	2650.473	-119.205	12.64594	2.148563	69.18844	-1963.52
41060_1060	41060	1060	-2650.49	119.2052	-9.54844	0.145688	-69.1884	1963.52
41060_1061	41060	1061	2650.486	-90.6478	9.548438	-0.14569	145.5379	-1124.56
41061_1061	41061	1061	-2650.5	90.64781	-6.0375	1.635375	-145.538	1124.561
41061_1062	41061	1062	2650.497	-62.0576	6.0375	-1.63538	193.8668	-513.353
41062_1062	41062	1062	-2650.46	39.74119	-3.96506	-0.32288	-193.867	513.3699
41062_1063	41062	1063	2650.461	-18.3068	3.965063	0.322875	217.6611	-339.183
41063_1063	41063	1063	-2650.46	18.30675	0.1785	0.207375	-217.661	339.1828
41063_1064	41063	1064	2650.464	3.089625	-0.1785	-0.20738	216.594	-293.6
41064_1064	41064	1064	-2650.46	-3.08963	0.443625	0.237563	-216.594	293.5997
41064_1065	41064	1065	2650.464	24.52144	-0.44363	-0.23756	213.9323	-376.446
41065_1065	41065	1065	-2650.46	-24.5214	4.852313	0.863625	-213.932	376.4447
41065_1066	41065	1066	2650.46	45.95194	-4.85231	-0.86363	184.8144	-587.875
41066_1066	41066	1066	-2650.42	-68.4246	6.970688	-0.37406	-184.814	587.8884
41066_1067	41066	1067	2650.419	97.01081	-6.97069	0.374063	129.0161	-1249.94
41067_1067	41067	1067	-2650.41	-97.0108	10.27688	1.185188	-129.016	1249.942
41067_1068	41067	1068	2650.409	125.5944	-10.2769	-1.18519	46.76569	-2140.72
41068_1068	41068	1068	-2650.41	-125.594	10.08656	1.031625	-46.7657	2140.723
41068_1069	41068	1069	2650.41	154.1439	-10.0866	-1.03163	-33.8612	-3258.73
41069_1069	41069	1069	-2650.57	-176.573	4.030688	-0.55125	33.86119	3258.86
41069_1070	41069	1070	2650.574	204.2604	-4.03069	0.55125	-65.1053	-4734.96
41070_1070	41070	1070	-2650.57	-204.26	4.030688	-0.55125	65.10525	4734.961
41070_1071	41070	1071	2650.574	231.9476	-4.03069	0.55125	-96.3493	-6425.69
41071_1071	41071	1071	-2650.57	-231.948	5.889188	4.066125	96.34931	6476.267
41071_1072	41071	1072	2650.57	266.5976	-5.88919	-4.06613	-152.259	-8842.92
41072_1072	41072	1072	-7.92619	606.8396	1.471313	-9.8385	30.74006	31328.49
41072_1073	41072	1073	14.1225	-553.985	-1.47131	9.8385	-49.2739	-24022.9
41073_1073	41073	1073	-29.3659	553.3854	1.531688	6.918188	47.3655	24022.86

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41073_1074	41073	1074	33.82313	-503.537	-1.53169	-6.91819	-66.5766	-17395.1
41074_1074	41074	1074	-49.2043	484.0356	-3.63694	-1.06969	67.11863	17395.69
41074_1075	41074	1075	52.29	-433.536	3.636938	1.069688	-18.8449	-11309
41075_1075	41075	1075	-61.6232	338.9479	-0.82294	-3.507	27.36825	-5134.06
41075_1076	41075	1076	62.88581	-300.435	0.822938	3.507	-17.6951	8893.251
41076_1076	41076	1076	-69.573	274.6905	-0.43181	6.705563	17.49563	-8893.67
41076_1077	41076	1077	69.8775	-247.926	0.431813	-6.70556	-13.9374	11049.45
41077_1077	41077	1077	-72.6915	247.1149	-0.33863	-7.644	14.01356	-11028.3
41077_1078	41077	1078	72.6915	-196.215	0.338625	7.644	-8.99325	14314.83
41078_1078	41078	1078	-72.6836	167.1219	0.370125	6.6885	8.99325	-14315.1
41078_1079	41078	1079	72.68363	-128.492	-0.37013	-6.6885	-13.1618	15978.25
41079_1079	41079	1079	-72.6836	128.4924	0.438375	-8.14013	13.16175	-15978.3
41079_1080	41079	1080	72.68363	-89.8301	-0.43838	8.140125	-18.0915	17207.58
41080_1080	41080	1080	-72.6915	57.89831	-0.17325	7.306688	18.0915	-17208.1
41080_1081	41080	1081	72.6915	-19.2386	0.17325	-7.30669	-16.1451	17642.4
41081_1081	41081	1081	-72.6915	19.23863	-0.10894	-8.34619	16.14506	-17642.4
41081_1082	41081	1082	72.6915	19.41844	0.108938	8.346188	-14.9258	17641.39
41082_1082	41082	1082	-72.6928	-53.2718	-0.07219	13.85344	14.92575	-17641.9
41082_1083	41082	1083	72.69281	94.81369	0.072188	-13.8534	-14.0464	16745.98
41083_1083	41083	1083	-72.6928	-94.8137	0.04725	-13.8036	14.04638	-16746
41083_1084	41083	1084	72.69281	136.3517	-0.04725	13.80356	-14.6186	15347.49
41084_1084	41084	1084	-72.6954	-169.649	-0.16406	12.32963	14.61863	-15347.9
41084_1085	41084	1085	72.69544	208.3003	0.164063	-12.3296	-12.768	13220.31
41085_1085	41085	1085	-72.6954	-208.3	-0.03544	-11.1392	12.768	-13220.3
41085_1086	41085	1086	72.69544	246.9495	0.035438	11.13919	-12.3703	10657.74
41086_1086	41086	1086	-72.6994	-277.266	-0.39113	7.624313	12.37031	-10657.9
41086_1087	41086	1087	72.69938	315.9148	0.391125	-7.62431	-7.97213	7318.978
41087_1087	41087	1087	-72.7007	-315.915	-0.26119	-5.36944	7.972125	-7318.98
41087_1088	41087	1088	72.70069	354.5614	0.261188	5.369438	-5.02688	3545.164
41088_1088	41088	1088	-72.6954	-382.159	0.274313	1.416188	5.026875	-3545.32
41088_1089	41088	1089	72.69544	431.109	-0.27431	-1.41619	-8.94075	-2252.5
41089_1089	41089	1089	-67.7959	-431.906	0.255938	0.66675	8.948625	2231.352
41089_1090	41089	1090	67.47431	460.1612	-0.25594	-0.66675	-11.0618	-6090.81
41090_1090	41090	1090	-56.8378	-484.448	0.7665	-1.61044	11.00663	6090.807
41090_1091	41090	1091	55.50563	525.0276	-0.7665	1.610438	-20.013	-12081.5
41091_1091	41091	1091	-45.2235	-527.373	2.878313	3.927	22.21669	12271.1
41091_1092	41091	1092	42.17063	577.4554	-2.87831	-3.927	-60.4144	-19553
41092_1092	41092	1092	-24.2616	-597.811	-2.07638	-18.6388	58.64119	19553.1
41092_1093	41092	1093	19.85025	647.3027	2.076375	18.63881	-32.5658	-27444.8
41093_1093	41093	1093	-1.91625	-647.605	-1.95563	23.00813	37.02038	27444.78
41093_1094	41093	1094	-4.22231	700.0166	1.955625	-23.0081	-12.4254	-36002.7
41094_1094	41094	1094	-2959.7	234.6028	0.9555	-6.19894	-69.5468	9096.148
41094_1095	41094	1095	2959.705	-200.215	-0.9555	6.198938	60.47081	-6939.93
41095_1095	41095	1095	-2959.7	200.2153	1.75875	-4.3155	-60.4708	6939.934
41095_1096	41095	1096	2959.703	-172.94	-1.75875	4.3155	46.83656	-5493.43
41096_1096	41096	1096	-2959.69	172.9403	9.29775	9.677063	-46.8366	5493.423
41096_1097	41096	1097	2959.69	-145.702	-9.29775	-9.67706	-25.1488	-4259.91
41097_1097	41097	1097	-2959.82	123.8318	-6.11625	-3.33375	25.14881	4260.008
41097_1098	41097	1098	2959.816	-95.6786	6.11625	3.33375	23.79694	-3381.7
41098_1098	41098	1098	-2959.82	95.67863	-2.41894	0.891188	-23.7969	3381.698
41098_1099	41098	1099	2959.821	-67.5255	2.418938	-0.89119	43.15106	-2728.7
41099_1099	41099	1099	-2959.82	67.5255	-2.41894	0.891188	-43.1511	2728.698
41099_1100	41099	1100	2959.821	-39.3737	2.418938	-0.89119	62.50519	-2300.98
41100_1100	41100	1100	-2959.69	18.25819	15.72113	12.41756	-62.5052	2300.899
41100_1101	41100	1101	2959.686	2.856	-15.7211	-12.4176	-31.8399	-2254.68
41101_1101	41101	1101	-2959.69	-2.856	15.6135	12.33619	31.83994	2254.682
41101_1102	41101	1102	2959.686	23.93344	-15.6135	-12.3362	-125.386	-2334.93
41102_1102	41102	1102	-2959.67	-23.9334	-18.7832	-14.7998	125.3858	2334.919
41102_1103	41102	1103	2959.668	45.05288	18.78319	14.79975	-12.6263	-2542

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41103_1103	41103	1103	-2959.7	-45.0529	-13.8548	-10.5669	12.62625	2542.017
41103_1104	41103	1104	2959.695	66.17231	13.85475	10.56694	70.54819	-2875.86
41104_1104	41104	1104	-2959.68	-87.1474	0.20475	-2.93213	-70.5482	2875.856
41104_1105	41104	1105	2959.681	115.2703	-0.20475	2.932125	68.91675	-3684.91
41105_1105	41105	1105	-2959.68	-115.27	4.01625	1.813875	-68.9168	3684.908
41105_1106	41105	1106	2959.678	143.4274	-4.01625	-1.81388	36.77494	-4720.16
41106_1106	41106	1106	-2959.68	-143.427	4.01625	1.813875	-36.7749	4720.162
41106_1107	41106	1107	2959.678	171.5844	-4.01625	-1.81388	4.633125	-5980.77
41107_1107	41107	1107	-2959.72	-192.861	-4.54913	-3.38625	-4.63313	5980.826
41107_1108	41107	1108	2959.724	220.101	4.549125	3.38625	39.85931	-7579.64
41108_1108	41108	1108	-2959.72	-220.101	-4.4415	-3.108	-39.8593	7579.638
41108_1109	41108	1109	2959.724	247.3774	4.4415	3.108	74.29013	-9391.85
41109_1109	41109	1109	-2959.73	-247.377	-1.428	6.45225	-74.2901	9391.847
41109_1110	41109	1110	2959.728	281.7649	1.428	-6.45225	87.86269	-12025.3
41110_1110	41110	1110	-15.456	647.5547	2.134125	-27.111	3.157875	39423.06
41110_1111	41110	1111	21.59456	-595.147	-2.13413	27.111	-29.9959	-31532
41111_1111	41111	1111	-38.0651	594.3197	2.279813	22.44769	24.74325	31532.01
41111_1112	41111	1112	42.47644	-544.833	-2.27981	-22.4477	-53.3702	-24553.8
41112_1112	41112	1112	-58.7173	528.2721	-2.81006	-5.13844	55.56731	24554.33
41112_1113	41112	1113	61.76888	-478.162	2.810063	5.138438	-18.2543	-17915
41113_1113	41113	1113	-63.7967	379.4438	-1.50938	-1.24819	30.51169	822.8674
41113_1114	41113	1114	65.12363	-338.996	1.509375	1.248188	-12.7811	3592.112
41114_1114	41114	1114	-72.6351	313.656	0.039375	8.821313	12.63281	-3592.24
41114_1115	41114	1115	72.954	-285.498	-0.03938	-8.82131	-12.9583	6482.705
41115_1115	41115	1115	-76.1933	284.6498	0.206063	-4.13175	13.05806	-6458.61
41115_1116	41115	1116	76.19325	-236.969	-0.20606	4.13175	-16.0952	9724.37
41116_1116	41116	1116	-76.1933	208.5891	-0.35831	4.648875	16.09519	-9724.38
41116_1117	41116	1117	76.19325	-172.272	0.358313	-4.64888	-12.0619	11867.09
41117_1117	41117	1117	-76.1933	172.2722	-0.29138	-5.89706	12.06188	-11867.1
41117_1118	41117	1118	76.19325	-135.955	0.291375	5.897063	-8.79113	13601.14
41118_1118	41118	1118	-76.1933	105.1733	-0.02363	12.42938	8.791125	-13601.1
41118_1119	41118	1119	76.19325	-68.8262	0.023625	-12.4294	-8.52863	14580.9
41119_1119	41119	1119	-76.1933	68.82619	0.111563	-13.2668	8.528625	-14580.9
41119_1120	41119	1120	76.19325	-32.5106	-0.11156	13.26675	-9.77944	15150.99
41120_1120	41120	1120	-76.1933	-0.95025	-0.31631	6.038813	9.779438	-15151
41120_1121	41120	1121	76.19325	40.00763	0.316313	-6.03881	-5.95219	14903.2
41121_1121	41121	1121	-76.1946	-40.0076	-0.25463	-6.11231	5.952188	-14903.2
41121_1122	41121	1122	76.19456	79.03219	0.254625	6.112313	-2.87963	14183.54
41122_1122	41122	1122	-76.1946	-112.391	-0.15488	5.920688	2.879625	-14183.5
41122_1123	41122	1123	76.19456	148.7351	0.154875	-5.92069	-1.14188	12713.3
41123_1123	41123	1123	-76.1946	-148.735	-0.08794	-5.24869	1.141875	-12713.3
41123_1124	41123	1124	76.19456	185.0481	0.087938	5.248688	-0.1575	10835.66
41124_1124	41124	1124	-76.1946	-215.098	-0.38719	7.899938	0.1575	-10835.7
41124_1125	41124	1125	76.19456	251.4422	0.387188	-7.89994	4.198688	8208.916
41125_1125	41125	1125	-76.1959	-251.442	-0.252	-6.62025	-4.19869	-8208.92
41125_1126	41125	1126	76.19588	287.7538	0.252	6.62025	7.035	5175.841
41126_1126	41126	1126	-76.1959	-314.282	-0.43575	0.80325	-7.035	-5175.85
41126_1127	41126	1127	76.19588	359.3087	0.43575	-0.80325	13.11844	506.0714
41127_1127	41127	1127	-72.1088	-360.151	-0.35175	0.525	-13.1132	-529.293
41127_1128	41127	1128	71.81344	386.0968	0.35175	-0.525	16.01381	-2733.87
41128_1128	41128	1128	-62.8504	-408.433	2.149875	-4.43625	-16.1726	2733.833
41128_1129	41128	1129	61.62581	445.7618	-2.14988	4.43625	-9.10219	-8055.64
41129_1129	41129	1129	-57.8169	-448.756	5.565	11.12475	8.155875	8392.065
41129_1130	41129	1130	54.84806	497.4795	-5.565	-11.1248	-82.0326	-14621.2
41130_1130	41130	1130	-38.9274	-520.213	-11.4083	-8.29106	80.787	14621.13
41130_1131	41130	1131	34.63163	568.3886	11.40825	8.291063	62.38313	-21654.1
41131_1131	41131	1131	-18.984	-569.128	-11.34	10.16138	-60.6309	21654.07
41131_1132	41131	1132	12.99769	620.3059	11.34	-10.1614	203.4638	-29365.8
41132_1132	41132	1132	-2580.7	219.555	45.39938	21.32419	-553.112	6677.842

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41132_1133	41132	1133	2580.704	-186.164	-45.3994	-21.3242	121.8197	-4556.18
41133_1133	41133	1133	-2580.76	186.1637	42.06956	15.4455	-121.82	4556.202
41133_1134	41133	1134	2580.761	-161.172	-42.0696	-15.4455	-204.217	-3210.27
41134_1134	41134	1134	-2581.1	161.1724	2.109188	-34.2563	204.2171	3210.127
41134_1135	41134	1135	2581.103	-136.176	-2.10919	34.25625	-220.568	-2057.74
41135_1135	41135	1135	-2581.12	110.6726	-4.90744	0.392438	220.5683	2058.449
41135_1136	41135	1136	2581.123	-84.8689	4.907438	-0.39244	-181.301	-1276.12
41136_1136	41136	1136	-2581.11	84.86888	-8.13225	-1.20225	181.3009	1276.124
41136_1137	41136	1137	2581.114	-59.0651	8.13225	1.20225	-116.226	-700.259
41137_1137	41137	1137	-2581.12	59.06513	-4.90744	-0.32681	116.2258	700.2594
41137_1138	41137	1138	2581.123	-33.2601	4.907438	0.326813	-76.9584	-330.885
41138_1138	41138	1138	-2581.21	11.4345	-4.87463	-0.22444	76.95844	330.8983
41138_1139	41138	1139	2581.207	7.886813	4.874625	0.224438	-47.7566	-320.274
41139_1139	41139	1139	-2581.21	-7.88681	-0.48038	0.32025	47.75663	320.2736
41139_1140	41139	1140	2581.211	27.23963	0.480375	-0.32025	-44.8718	-425.677
41140_1140	41140	1140	-2581.21	-27.2396	-0.48038	0.32025	44.87175	425.6766
41140_1141	41140	1141	2581.211	46.59375	0.480375	-0.32025	-41.9882	-647.221
41141_1141	41141	1141	-2581.21	-46.5938	-4.78013	-0.75731	41.98819	647.2213
41141_1142	41141	1142	2581.207	65.94656	4.780125	0.757313	-13.2969	-984.92
41142_1142	41142	1142	-2581.23	-88.0622	0.276938	1.273125	13.29694	984.9263
41142_1143	41142	1143	2581.226	113.8659	-0.27694	-1.27313	-15.5177	-1792.81
41143_1143	41143	1143	-2581.23	-113.866	0.276938	1.273125	15.51769	1792.805
41143_1144	41143	1144	2581.226	139.671	-0.27694	-1.27313	-17.7398	-2807.16
41144_1144	41144	1144	-2581.22	-139.671	-2.94788	-2.23388	17.73975	2807.155
41144_1145	41144	1145	2581.224	165.4748	2.947875	2.233875	5.847188	-4028.01
41145_1145	41145	1145	-2581.1	-186.832	-7.28569	-0.98963	-5.84719	4027.99
41145_1146	41145	1146	2581.105	211.7968	7.285688	0.989625	62.25188	-5571.01
41146_1146	41146	1146	-2581.1	-211.797	-7.21744	-0.84	-62.2519	5571.014
41146_1147	41146	1147	2581.105	236.7947	7.217438	0.84	118.1972	-7309.68
41147_1147	41147	1147	-2581.11	-236.795	-5.55319	3.873188	-118.197	7309.679
41147_1148	41147	1148	2581.109	270.1926	5.553188	-3.87319	170.9571	-9718.35
41148_1148	41148	1148	-55.3035	556.1679	0.334688	-11.7062	-8.38425	32289.78
41148_1149	41148	1149	61.29113	-505.02	-0.33469	11.70619	4.176375	-25614.2
41149_1149	41149	1149	-75.1734	503.1403	0.427875	8.406563	-6.28031	25614.16
41149_1150	41149	1150	79.46925	-454.994	-0.42788	-8.40656	0.910875	-19608.3
41150_1150	41150	1150	-93.3096	434.8811	-0.18375	-1.86113	-0.04725	19608.55
41150_1151	41150	1151	96.27844	-386.147	0.18375	1.861125	2.49375	-14160.1
41151_1151	41151	1151	-95.5172	273.3662	-0.35306	-1.41356	-0.79669	-1316.39
41151_1152	41151	1152	96.75881	-235.508	0.353063	1.413563	4.954688	4307.668
41152_1152	41152	1152	-102.043	211.0211	-0.0105	0.391125	-5.00194	-4307.65
41152_1153	41152	1153	102.3422	-184.704	0.0105	-0.39113	5.085938	5940.393
41153_1153	41153	1153	-104.433	183.5295	0.013125	-0.903	-5.082	-5940.39
41153_1154	41153	1154	104.433	-141.014	-0.01313	0.903	4.895625	8170.465
41154_1154	41154	1154	-104.438	115.2848	0.200813	3.930938	-4.89563	-8170.45
41154_1155	41154	1155	104.4383	-81.2464	-0.20081	-3.93094	2.691938	9251.613
41155_1155	41155	1155	-104.438	81.24638	0.295313	-4.47563	-2.69194	-9251.61
41155_1156	41155	1156	104.4383	-47.2093	-0.29531	4.475625	-0.55388	9958.266
41156_1156	41156	1156	-104.434	20.33063	0.006563	4.870688	0.553875	-9958.27
41156_1157	41156	1157	104.4343	10.67588	-0.00656	-4.87069	-0.62344	10006.65
41157_1157	41157	1157	-104.434	-10.6759	0.108938	-4.91269	0.623438	-10006.6
41157_1158	41157	1158	104.4343	41.64956	-0.10894	4.912688	-1.71413	9744.713
41158_1158	41158	1158	-104.437	-67.8038	0.140438	4.5465	1.714125	-9744.71
41158_1159	41158	1159	104.4369	98.80894	-0.14044	-4.5465	-3.11719	8909.804
41159_1159	41159	1159	-104.437	-98.8089	0.2415	-4.16456	3.117188	-8909.8
41159_1160	41159	1160	104.4369	129.7826	-0.2415	4.164563	-5.54006	7765.476
41160_1160	41160	1160	-104.432	-156.026	-0.11025	0.429188	5.540063	-7765.53
41160_1161	41160	1161	104.4317	190.0644	0.11025	-0.42919	-4.32469	5861.615
41161_1161	41161	1161	-104.432	-190.064	-0.11025	0.429188	4.324688	-5861.61
41161_1162	41161	1162	104.4317	224.1028	0.11025	-0.42919	-3.10931	3583.201

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41162_1162	41162	1162	-104.445	-248.983	0.555188	0.653625	3.109313	-3583.16
41162_1163	41162	1163	104.4448	291.4984	-0.55519	-0.65363	-10.7323	-132.023
41163_1163	41163	1163	-101.126	-292.667	0.531563	0.502688	10.73888	132.023
41163_1164	41163	1164	100.8276	318.9834	-0.53156	-0.50269	-15.12	-2680.94
41164_1164	41164	1164	-93.2584	-342.488	0.013125	1.043438	15.15544	2680.945
41164_1165	41164	1165	92.01675	380.3454	-0.01313	-1.04344	-15.3156	-6972.66
41165_1165	41165	1165	-87.8233	-385.169	1.850625	0.536813	5.925938	7428.502
41165_1166	41165	1166	84.87413	433.5739	-1.85063	-0.53681	-30.4959	-12916
41166_1166	41166	1166	-70.7018	-456.863	-1.09331	-6.34856	29.96044	12916
41166_1167	41166	1167	66.4335	504.6983	1.093313	6.348563	-16.2501	-19003.7
41167_1167	41167	1167	-52.5105	-506.336	-1.00275	8.461688	17.85525	19003.7
41167_1168	41167	1168	46.55963	557.1733	1.00275	-8.46169	-5.23556	-25505.7
41168_1168	41168	1168	-2333.46	238.1348	1.568438	-1.91625	-36.6398	6652.052
41168_1169	41168	1169	2333.46	-204.974	-1.56844	1.91625	21.73894	-4546.82
41169_1169	41169	1169	-2333.46	204.9744	2.518688	-0.06431	-21.7389	4546.815
41169_1170	41169	1170	2333.46	-179.866	-2.51869	0.064312	2.2155	-3055.24
41170_1170	41170	1170	-2333.46	179.8663	2.518688	-0.06431	-2.2155	3055.239
41170_1171	41170	1171	2333.46	-154.76	-2.51869	0.064312	-17.3079	-1758.29
41171_1171	41171	1171	-2333.38	132.5139	0.33075	0.376688	17.30794	1758.272
41171_1172	41171	1172	2333.384	-106.597	-0.33075	-0.37669	-19.9553	-801.64
41172_1172	41172	1172	-2333.38	106.5973	-2.646	-0.64575	19.95525	801.6383
41172_1173	41172	1173	2333.382	-80.7109	2.646	0.64575	1.197	-53.1733
41173_1173	41173	1173	-2333.38	80.71088	0.33075	-0.57881	-1.197	53.17463
41173_1174	41173	1174	2333.384	-54.7943	-0.33075	0.578813	-1.45163	488.9588
41174_1174	41174	1174	-2333.4	31.54988	1.177313	-0.26644	1.451625	-488.952
41174_1175	41174	1175	2333.399	-12.1118	-1.17731	0.266438	-8.51288	619.962
41175_1175	41175	1175	-2333.4	12.11175	-2.71031	0.7665	8.512875	-619.962
41175_1176	41175	1176	2333.398	7.326375	2.710313	-0.7665	7.755563	634.3208
41176_1176	41176	1176	-2333.4	-7.32638	1.177313	-0.29006	-7.75556	-634.322
41176_1177	41176	1177	2333.399	26.7645	-1.17731	0.290063	0.693	532.0284
41177_1177	41177	1177	-2333.4	-26.7645	1.177313	-0.29006	-0.693	-532.028
41177_1178	41177	1178	2333.399	46.20263	-1.17731	0.290063	-6.36825	313.0864
41178_1178	41178	1178	-2333.41	-69.3486	-1.32825	-0.084	6.36825	-313.09
41178_1179	41178	1179	2333.408	95.23369	1.32825	0.084	4.245938	-344.563
41179_1179	41179	1179	-2333.41	-95.2337	1.649813	0.355688	-4.24594	344.5628
41179_1180	41179	1180	2333.408	121.1503	-1.64981	-0.35569	-8.95388	-1210.27
41180_1180	41180	1180	-2333.41	-121.15	1.649813	0.355688	8.953875	1210.272
41180_1181	41180	1181	2333.408	147.0669	-1.64981	-0.35569	-22.1524	-2283.36
41181_1181	41181	1181	-2333.34	-169.374	-3.59494	1.211438	22.15238	2283.404
41181_1182	41181	1182	2333.336	194.4823	3.594938	-1.21144	5.715938	-3693.65
41182_1182	41182	1182	-2333.34	-194.482	-3.59494	1.211438	-5.71594	3693.647
41182_1183	41182	1183	2333.336	219.5891	3.594938	-1.21144	33.58556	-5298.51
41183_1183	41183	1183	-2333.33	-219.589	-4.54519	-0.94631	-33.5856	5298.513
41183_1184	41183	1184	2333.334	252.7508	4.545188	0.946313	76.77863	-7693.47
41184_1184	41184	1184	-62.8005	528.7971	0.791438	6.889313	-17.0048	27090.68
41184_1185	41184	1185	68.75138	-478.001	-0.79144	-6.88931	7.053375	-20838.2
41185_1185	41185	1185	-81.9683	475.9125	0.694313	-8.70975	-5.45213	20838.24
41185_1186	41185	1186	86.23519	-428.038	-0.69431	8.70975	-3.26025	-15143.1
41186_1186	41186	1186	-99.3379	406.4996	-0.88594	-0.903	2.533125	15143.12
41186_1187	41186	1187	102.2858	-358.095	0.885938	0.903	9.220313	-10245.9
41187_1187	41187	1187	-110.758	245.9153	-0.17719	-1.12088	8.291063	-6086.7
41187_1188	41187	1188	112.0271	-207.245	0.177188	1.120875	-6.20288	8963.509
41188_1188	41188	1188	-116.698	181.9073	-0.19819	-3.36525	6.201563	-8963.59
41188_1189	41188	1189	117.0028	-155.052	0.198188	3.36525	-4.56488	9688.204
41189_1189	41189	1189	-118.759	153.7108	-0.25331	1.073625	4.526813	-9705.82
41189_1190	41189	1190	118.7589	-108.374	0.253313	-1.07363	-1.04475	11508.06
41190_1190	41190	1190	-118.766	81.39075	0.2205	-6.10313	1.04475	-11508
41190_1191	41190	1191	118.7655	-45.1224	-0.2205	6.103125	-3.46763	12203.91
41191_1191	41191	1191	-118.766	45.12244	0.112875	4.986188	3.467625	-12203.9

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41191_1192	41191	1192	118.7655	-8.85281	-0.11288	-4.98619	-4.70269	12500.83
41192_1192	41192	1192	-118.764	-19.3568	0.044625	5.844563	4.702688	-12500.8
41192_1193	41192	1193	118.7642	52.69163	-0.04463	-5.84456	-5.15419	12136.51
41193_1193	41193	1193	-118.764	-52.6916	0.16275	-6.15563	5.154188	-12136.5
41193_1194	41193	1194	118.7642	86.02519	-0.16275	6.155625	-6.7935	11435.15
41194_1194	41194	1194	-118.762	-113.185	-0.06956	0.244125	6.7935	-11435.3
41194_1195	41194	1195	118.7616	146.5196	0.069563	-0.24413	-6.08606	10122.18
41195_1195	41195	1195	-118.762	-146.52	-0.06956	0.244125	6.086063	-10122.2
41195_1196	41195	1196	118.7616	179.8558	0.069563	-0.24413	-5.37863	8471.993
41196_1196	41196	1196	-118.762	-207.946	0.024938	-2.20894	5.378625	-8471.88
41196_1197	41196	1197	118.7616	244.2143	-0.02494	2.208938	-5.65031	5984.507
41197_1197	41197	1197	-118.762	-244.214	-0.08531	3.342938	5.650313	-5984.51
41197_1198	41197	1198	118.7616	280.4511	0.085313	-3.34294	-4.71056	3100.836
41198_1198	41198	1198	-118.775	-307.113	0.484313	0.983063	4.710563	-3100.85
41198_1199	41198	1199	118.7747	352.4496	-0.48431	-0.98306	-11.3728	-1477.62
41199_1199	41199	1199	-114.685	-353.803	0.455438	0.63525	11.382	1512.825
41199_1200	41199	1200	114.3608	381.7931	-0.45544	-0.63525	-15.1423	-4638.98
41200_1200	41200	1200	-105.215	-408.203	0.946313	1.86375	15.204	4639.005
41200_1201	41200	1201	103.8713	448.4458	-0.94631	-1.86375	-26.3248	-9826.17
41201_1201	41201	1201	-92.7741	-453.664	4.521563	0.765188	23.71031	10218.47
41201_1202	41201	1202	89.51513	506.3953	-4.52156	-0.76519	-83.7034	-16613.5
41202_1202	41202	1202	-72.6298	-534.779	-3.34163	2.365125	84.04856	16613.77
41202_1203	41202	1203	67.94025	586.7728	3.341625	-2.36513	-42.105	-23558.3
41203_1203	41203	1203	-51.6797	-588.429	-3.34163	1.199625	42.15488	23558.26
41203_1204	41203	1204	45.18544	643.3862	3.341625	-1.19963	-0.09056	-31386.3
41204_1204	41204	1204	-2783.9	252.6169	7.926188	1.70625	-80.955	8116.937
41204_1205	41204	1205	2783.897	-216.326	-7.92619	-1.70625	5.642438	-5808.65
41205_1205	41205	1205	-2783.9	216.3263	6.057188	-2.93738	-5.64244	5467.388
41205_1206	41205	1206	2783.9	-188.699	-6.05719	2.937375	-41.2453	-3899.61
41206_1206	41206	1206	-2783.9	188.6994	6.130688	-2.83369	41.24531	3899.606
41206_1207	41206	1207	2783.9	-161.039	-6.13069	2.833688	-88.7696	-2544.08
41207_1207	41207	1207	-2783.52	135.4526	-9.51694	-1.87556	88.76963	2544.15
41207_1208	41207	1208	2783.521	-106.899	9.516938	1.875563	-12.6144	-1574.52
41208_1208	41208	1208	-2783.53	106.8992	-6.03881	0.090562	12.61444	1574.524
41208_1209	41208	1209	2783.53	-78.3458	6.038813	-0.09056	35.70919	-833.399
41209_1209	41209	1209	-2783.53	78.34575	-6.03881	0.090562	-35.7092	833.3994
41209_1210	41209	1210	2783.53	-49.791	6.038813	-0.09056	84.03413	-320.75
41210_1210	41210	1210	-2783.7	25.44544	-4.23675	-0.24019	-84.0341	320.7553
41210_1211	41210	1211	2783.696	-4.03069	4.23675	0.240188	109.4638	-232.306
41211_1211	41211	1211	-2783.7	4.030688	0.400313	0.147	-109.464	232.3073
41211_1212	41211	1212	2783.7	17.38538	-0.40031	-0.147	107.0633	-272.379
41212_1212	41212	1212	-2783.7	-17.3854	0.307125	0.137813	-107.063	272.3792
41212_1213	41212	1213	2783.7	38.76469	-0.30713	-0.13781	105.2231	-440.581
41213_1213	41213	1213	-2783.7	-38.7647	-4.23675	-0.58144	-105.223	440.5813
41213_1214	41213	1214	2783.696	60.18075	4.23675	0.581438	130.6528	-737.486
41214_1214	41214	1214	-2783.88	-84.5408	7.394625	0.490875	-130.653	737.4819
41214_1215	41214	1215	2783.876	113.0942	-7.39463	-0.49088	71.48794	-1528.18
41215_1215	41215	1215	-2783.88	-113.094	3.915188	-1.41881	-71.4879	1528.178
41215_1216	41215	1216	2783.883	141.6489	-3.91519	1.418813	40.15594	-2547.38
41216_1216	41216	1216	-2783.88	-141.649	7.394625	1.764	-40.1559	2547.377
41216_1217	41216	1217	2783.876	170.2024	-7.39463	-1.764	-19.0089	-3795.03
41217_1217	41217	1217	-2783.63	-195.135	-3.8535	-0.34519	19.00894	3795.037
41217_1218	41217	1218	2783.627	222.7969	3.8535	0.345188	10.86619	-5414.87
41218_1218	41218	1218	-2783.63	-222.797	-3.92831	-0.48956	-10.8662	5414.868
41218_1219	41218	1219	2783.627	250.4224	3.928313	0.489563	41.27944	-7246.62
41219_1219	41219	1219	-2783.63	-250.422	-2.05931	4.125188	-41.2794	7587.843
41219_1220	41219	1220	2783.629	286.7143	2.059313	-4.12519	60.84356	-10139.8
41220_1220	41220	1220	-32.676	614.0374	3.888938	-66.4007	12.33356	33782.64
41220_1221	41220	1221	39.17025	-559.084	-3.88894	66.40069	-61.299	-26402

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41221_1221	41221	1221	-54.6026	557.7849	4.391625	58.1175	48.05588	26402.04
41221_1222	41221	1222	59.29219	-505.798	-4.39163	-58.1175	-103.172	-19927.1
41222_1222	41222	1222	-74.3676	488.2172	-5.08856	-4.63444	108.4676	19924.96
41222_1223	41222	1223	77.6265	-435.455	5.088563	4.634438	-40.9133	-13734.6
41223_1223	41223	1223	-92.1257	321.3525	-0.62475	-5.49806	13.37831	-2701.04
41223_1224	41223	1224	93.49725	-280.317	0.62475	5.498063	-6.03225	6458.968
41224_1224	41224	1224	-99.9311	249.2858	0.149625	16.49419	5.65425	-6458.53
41224_1225	41224	1225	100.2619	-220.739	-0.14963	-16.4942	-6.88669	8149.034
41225_1225	41225	1225	-102.811	219.5616	0.523688	-13.3468	7.078313	-8163.37
41225_1226	41225	1226	102.8108	-160.688	-0.52369	13.34681	-15.6752	11283.33
41226_1226	41226	1226	-102.795	125.0314	0.211313	30.31875	15.67519	-11281.5
41226_1227	41226	1227	102.795	-80.7581	-0.21131	-30.3188	-18.2844	12551.25
41227_1227	41227	1227	-102.792	80.75813	0.711375	-30.8031	18.28444	-12551.2
41227_1228	41227	1228	102.7924	-36.5203	-0.71138	30.80306	-27.0638	13274.31
41228_1228	41228	1228	-102.77	-0.42656	0.431813	21.4935	27.06375	-13271.1
41228_1229	41228	1229	102.7701	44.70113	-0.43181	-21.4935	-32.3899	12992.61
41229_1229	41229	1229	-102.767	-44.7011	0.7665	-20.7834	32.38988	-12992.6
41229_1230	41229	1230	102.7674	88.94288	-0.7665	20.78344	-41.8359	12168.58
41230_1230	41230	1230	-102.703	-125.466	-0.09581	17.44575	41.83594	-12164.1
41230_1231	41230	1231	102.7031	169.7115	0.095812	-17.4458	-40.6508	10343.89
41231_1231	41231	1231	-102.703	-169.712	0.238875	-16.2973	40.65075	-10343.9
41231_1232	41231	1232	102.7031	213.9257	-0.23888	16.29731	-43.5947	7979.988
41232_1232	41232	1232	-102.764	-246.237	2.029125	13.02	43.59469	-7977.68
41232_1233	41232	1233	102.7635	281.6966	-2.02913	-13.02	-63.6444	5368.717
41233_1233	41233	1233	-102.757	-281.697	2.355938	-4.07269	63.64444	-5368.73
41233_1234	41233	1234	102.7569	322.8658	-2.35594	4.072688	-90.6793	1956.95
41234_1234	41234	1234	-100.946	-323.433	2.81925	-13.1513	90.60713	-1956.91
41234_1235	41234	1235	100.8814	334.9369	-2.81925	13.15125	-99.4652	891.5927
41235_1235	41235	1235	-77.7669	-353.968	1.434563	-1.98319	114.093	-1518.04
41235_1236	41235	1236	76.99125	380.5896	-1.43456	1.983188	-124.348	-1174.17
41236_1236	41236	1236	-78.1239	-380.359	1.615688	0.757313	124.4158	1174.167
41236_1237	41236	1237	77.17106	416.8658	-1.61569	-0.75731	-140.123	-5075.63
41237_1237	41237	1237	-66.5057	-418.698	1.8585	10.99744	140.8103	5075.598
41237_1238	41237	1238	65.40188	440.0524	-1.8585	-10.9974	-149.693	-7148.51
41238_1238	41238	1238	-56.7643	-465.235	8.008875	-16.3314	148.1563	7145.827
41238_1239	41238	1239	53.41613	514.1561	-8.00888	16.33144	-234.214	-12458.7
41239_1239	41239	1239	-41.1416	-515.278	8.264813	13.60538	237.0401	12458.63
41239_1240	41239	1240	36.37331	566.8688	-8.26481	-13.6054	-327.687	-18450.3
41240_1240	41240	1240	-14.1474	-602.193	-39.8213	-30.03	323.7531	18442.19
41240_1241	41240	1241	7.264688	660.7086	39.82125	30.03	150.7328	-25780.5
41241_1241	41241	1241	-2592.04	304.6798	-11.2258	21.94894	397.5969	6510.63
41241_1242	41241	1242	2592.037	-263.223	11.22581	-21.9489	-290.916	-3812.19
41242_1242	41242	1242	-2592.05	263.2232	-8.35538	26.16994	290.9156	3812.164
41242_1243	41242	1243	2592.047	-249.631	8.355375	-26.1699	-264.474	-3000.68
41243_1243	41243	1243	-2589.17	223.4111	-42.8348	-4.99144	264.474	2997.95
41243_1244	41243	1244	2589.174	-183.833	42.83475	4.991438	130.2144	-1121.75
41244_1244	41244	1244	-2589.3	183.8327	-34.3809	-1.32825	-130.214	1121.761
41244_1245	41244	1245	2589.3	-139.126	34.38094	1.32825	488.0544	558.8979
41245_1245	41245	1245	-2589.86	119.007	-19.8004	1.568438	-488.054	-558.586
41245_1246	41245	1246	2589.86	-77.133	19.80038	-1.56844	681.072	1514.624
41246_1246	41246	1246	-2589.91	77.133	-11.4319	-3.32588	-681.072	-1514.62
41246_1247	41246	1247	2589.91	-34.6907	11.43188	3.325875	794.0323	2067.076
41247_1247	41247	1247	-2590.07	10.059	-0.19556	2.774625	-794.032	-2066.24
41247_1248	41247	1248	2590.065	28.9485	0.195563	-2.77463	795.8121	1980.473
41248_1248	41248	1248	-2590.06	-28.9485	4.89825	-1.12088	-795.812	-1980.48
41248_1249	41248	1249	2590.06	74.20613	-4.89825	1.120875	744.2019	1437.059
41249_1249	41249	1249	-2588.53	-100.383	-13.9729	1.964813	-744.202	-1436.62
41249_1250	41249	1250	2588.532	144.7898	13.97288	-1.96481	888.6544	169.3283
41250_1250	41250	1250	-2588.57	-144.79	-3.57788	1.284938	-888.654	-169.335

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41250_1251	41250	1251	2588.568	184.6845	3.577875	-1.28494	921.8843	-1360.73
41251_1251	41251	1251	-2592.36	-221.714	82.43944	-6.49425	-921.884	1360.2
41251_1252	41251	1252	2592.359	265.2379	-82.4394	6.49425	86.57381	-3827.21
41252_1252	41252	1252	-2592.1	-265.238	90.321	5.142375	-86.5738	3827.209
41252_1253	41252	1253	2592.096	313.3843	-90.321	-5.14238	-925.799	-7140.7
41253_1253	41253	1253	-2592.16	-313.384	88.46906	0.093188	925.7994	7140.696
41253_1254	41253	1254	2592.16	327.1721	-88.4691	-0.09319	-1205.43	-8163.13
41254_1254	41254	1254	-2585.63	-364.749	-48.0638	-52.1023	1205.428	8159.339
41254_1255	41254	1255	2585.634	392.3798	48.06375	52.10231	-900.993	-10581.1
41255_1255	41255	1255	-20.8058	561.7526	-67.3129	-0.66938	895.9598	30710.4
41255_1256	41255	1256	25.69744	-521.58	67.31288	0.669375	-349.262	-26268.1
41256_1256	41256	1256	-34.5174	521.0927	-67.137	44.89669	343.812	26268.15
41256_1257	41256	1257	38.17538	-486.222	67.137	-44.8967	144.2621	-22794.1
41257_1257	41257	1257	-52.0354	468.4234	18.17944	-31.9922	-136.563	22789.21
41257_1258	41257	1258	56.16581	-420.092	-18.1794	31.99219	-52.1968	-18262.9
41258_1258	41258	1258	-66.6527	418.5431	18.4485	18.60206	48.25275	18262.93
41258_1259	41258	1259	70.08619	-361.501	-18.4485	-18.6021	-281.474	-13314.3
41259_1259	41259	1259	-147.256	343.8658	2.313938	10.19156	5.180438	-4341.88
41259_1260	41259	1260	148.6485	-303.289	-2.31394	-10.1916	-29.5929	7891.919
41260_1260	41260	1260	-155.235	299.9679	2.668313	-7.37625	30.0195	-7891.92
41260_1261	41260	1261	155.6835	-263.902	-2.66831	7.37625	-55.2392	10253.03
41261_1261	41261	1261	-158.95	261.9461	2.748375	-12.5029	55.14338	-10212.7
41261_1262	41261	1262	158.9503	-250.071	-2.74838	12.50288	-63.8466	11023.59
41262_1262	41262	1262	-158.87	213.0017	-0.21263	24.60938	63.84656	-11021.9
41262_1263	41262	1263	158.8703	-171.322	0.212625	-24.6094	-61.4906	13157.8
41263_1263	41263	1263	-158.869	171.3219	0.343875	-21.4659	61.49063	-13157.8
41263_1264	41263	1264	158.8689	-126.571	-0.34388	21.46594	-65.5988	14935.39
41264_1264	41264	1264	-158.873	88.16719	1.31775	29.18606	65.59875	-14933.9
41264_1265	41264	1265	158.8729	-44.7563	-1.31775	-29.1861	-80.8592	15703.35
41265_1265	41265	1265	-158.866	44.75625	1.89	-27.2895	80.85919	-15703.3
41265_1266	41265	1266	158.8663	-1.70625	-1.89	27.2895	-102.555	15970.07
41266_1266	41266	1266	-158.848	-37.9339	0.32025	19.67306	102.5548	-15969.3
41266_1267	41266	1267	158.8479	81.72281	-0.32025	-19.6731	-106.289	15270.64
41267_1267	41267	1267	-158.847	-81.7228	0.711375	-17.9839	106.2889	-15270.6
41267_1268	41267	1268	158.8466	124.3541	-0.71138	17.98388	-114.378	14099.19
41268_1268	41268	1268	-158.839	-162.973	2.718188	18.81075	114.3778	-14099.2
41268_1269	41268	1269	158.8388	211.9084	-2.71819	-18.8108	-149.853	11653.13
41269_1269	41269	1269	-158.828	-211.908	3.236625	-19.1888	149.8534	-11653.1
41269_1270	41269	1270	158.8283	254.8481	-3.23663	19.18875	-186.913	8980.649
41270_1270	41270	1270	-158.831	-290.254	-6.39319	11.3505	186.9131	-8980.61
41270_1271	41270	1271	158.8309	324.6233	6.393188	-11.3505	-128.317	6162.74
41271_1271	41271	1271	-158.847	-324.623	-5.98763	-4.40738	128.3166	-6162.75
41271_1272	41271	1272	158.8466	366.4644	5.987625	4.407375	-61.5116	2422.468
41272_1272	41272	1272	-156.405	-367.518	-5.58469	-9.25181	61.45125	-2464.72
41272_1273	41272	1273	156.2925	384.4628	5.584688	9.251813	-38.1544	817.6526
41273_1273	41273	1273	-150.091	-423.35	24.5385	-2.29425	38.17669	-817.753
41273_1274	41273	1274	149.4452	455.7709	-24.5385	2.29425	-233.344	-2853.04
41274_1274	41274	1274	-141.512	-458.284	24.76819	-2.37038	233.4163	2853.033
41274_1275	41274	1275	140.3063	490.6808	-24.7682	2.370375	-428.555	-6777.85
41275_1275	41275	1275	-133.817	-492.461	25.35488	13.51219	429.5655	6762.102
41275_1276	41275	1276	132.8316	512.0693	-25.3549	-13.5122	-535.587	-8796.49
41276_1276	41276	1276	-29.3003	-616.988	-108.552	-82.3935	708.9075	26970.68
41276_1277	41276	1277	25.50581	673.1603	108.5516	82.3935	568.6853	-34450.9
41277_1277	41277	1277	-7.93538	-673.641	-108.277	62.98294	-558.391	34451.13
41277_1278	41277	1278	1.932	737.2234	108.2773	-62.9829	1945.234	-43663.8
41278_1278	41278	1278	13.95056	-719.073	174.3919	-107.926	-1969.12	43664.44
41278_1279	41278	1279	-19.9093	769.1079	-174.392	107.9256	286.9624	-50983.6
41279_1279	41279	1279	-3506.53	431.1431	61.69931	55.43344	-1083.84	17439.7
41279_1280	41279	1280	3506.529	-387.773	-61.6993	-55.4334	497.5425	-13206.9

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41280_1280	41280	1280	-3506.49	387.7729	63.64706	68.35238	-497.543	13514.59
41280_1281	41280	1281	3506.495	-364.756	-63.6471	-68.3524	152.5584	-11475.1
41281_1281	41281	1281	-3506.49	334.2268	-33.0278	-13.8338	-152.558	11475.09
41281_1282	41281	1282	3506.495	-286.436	33.02775	13.83375	560.7722	-7639.54
41282_1282	41282	1282	-3506.58	286.4361	-22.5422	9.011625	-560.772	7639.549
41282_1283	41282	1283	3506.577	-239.484	22.54219	-9.01163	834.4928	-4446.53
41283_1283	41283	1283	-3506.57	182.4362	18.22275	-4.30106	-834.493	4446.543
41283_1284	41283	1284	3506.571	-134.466	-18.2228	4.301063	608.4225	-2480.81
41284_1284	41284	1284	-3506.49	134.4656	29.60475	3.751125	-608.423	2480.809
41284_1285	41284	1285	3506.493	-92.8699	-29.6048	-3.75113	289.9523	-1258.05
41285_1285	41285	1285	-3506.33	42.86888	38.01394	-1.80075	-289.952	1257.819
41285_1286	41285	1286	3506.332	0.400313	-38.0139	1.80075	-135.436	-1020.2
41286_1286	41286	1286	-3506.2	-0.40031	48.52313	1.257375	135.4356	1020.206
41286_1287	41286	1287	3506.202	40.62581	-48.5231	-1.25738	-640.227	-1233.61
41287_1287	41287	1287	-3506.56	-90.2908	-29.3514	-5.53613	640.227	1233.669
41287_1288	41287	1288	3506.563	140.9349	29.35144	5.536125	-255.794	-2747.89
41288_1288	41288	1288	-3506.64	-140.935	-17.2843	3.920438	255.7944	2747.895
41288_1289	41288	1289	3506.643	184.3275	17.28431	-3.92044	-61.8253	-4572.95
41289_1289	41289	1289	-3506.67	-230.55	-4.16981	-0.50531	61.82531	4573.016
41289_1290	41289	1290	3506.675	246.0347	4.169813	0.505313	-45.129	-5527.31
41290_1290	41290	1290	-3506.68	-246.035	0.882	7.378875	45.129	5219.596
41290_1291	41290	1291	3506.677	285.7877	-0.882	-7.37888	-53.5054	-7823.18
41291_1291	41291	1291	74.4345	976.7678	30.39094	-18.3606	-242.441	36822.01
41291_1292	41291	1292	-70.3618	-940.948	-30.3909	18.36056	16.29338	-29909.6
41292_1292	41292	1292	42.48956	901.1494	3.257625	-44.1263	-14.4598	29910.22
41292_1293	41292	1293	-37.3354	-842.449	-3.25763	44.12625	-26.8511	-18637.3
41293_1293	41293	1293	11.50669	843.1973	3.424313	38.20688	20.748	18637.36
41293_1294	41293	1294	-8.66119	-793.254	-3.42431	-38.2069	-59.0664	-9389.87
41294_1294	41294	1294	9.898875	749.7118	-5.05838	-16.5139	137.5448	10696.5
41294_1295	41294	1295	-8.85675	-718.988	5.058375	16.51388	-101.868	-5466.29
41295_1295	41295	1295	-5.12794	719.0243	-4.99669	1.75875	101.2344	5467.942
41295_1296	41295	1296	5.519063	-691.979	4.996688	-1.75875	-65.4701	-170.595
41296_1296	41296	1296	-15.0793	691.8371	-4.98094	1.019813	65.4885	170.5933
41296_1297	41296	1297	15.10163	-658.682	4.980938	-1.01981	-21.6864	6243.153
41297_1297	41297	1297	-15.5479	607.0733	0.019687	27.02044	21.68644	-6243.18
41297_1298	41297	1298	15.54788	-591.798	-0.01969	-27.0204	-21.7678	8209.819
41298_1298	41298	1298	-15.5479	591.7984	0.044625	13.76288	21.76781	-8209.85
41298_1299	41298	1299	15.54788	-554.862	-0.04463	-13.7629	-22.1484	13063.53
41299_1299	41299	1299	-15.5479	554.862	0.0945	-28.0809	22.14844	-13063.5
41299_1300	41299	1300	15.54788	-502.569	-0.0945	28.08094	-23.2838	19400.37
41300_1300	41300	1300	-15.5453	441.5079	1.40175	47.73563	23.28375	-19400.4
41300_1301	41300	1301	15.54525	-384.076	-1.40175	-47.7356	-41.7336	24834.14
41301_1301	41301	1301	-15.54	384.0756	1.463438	-51.7873	41.73356	-24834.1
41301_1302	41301	1302	15.54	-334.649	-1.46344	51.78731	-58.317	28905.14
41302_1302	41302	1302	-15.5387	266.5674	-0.693	71.26744	58.317	-28905.2
41302_1303	41302	1303	15.53869	-207.829	0.693	-71.2674	-48.9943	32098.47
41303_1303	41303	1303	-15.5413	207.8291	-0.6195	-79.2947	48.99431	-32098.4
41303_1304	41303	1304	15.54131	-159.658	0.6195	79.29469	-42.1549	34127.14
41304_1304	41304	1304	-15.54	88.45069	0.8505	69.54413	42.15488	-34127.3
41304_1305	41304	1305	15.54	-31.4449	-0.8505	-69.5441	-53.2599	34910.57
41305_1305	41305	1305	-15.5374	31.44488	0.912188	-69.3026	53.25994	-34910.6
41305_1306	41305	1306	15.53738	18.42881	-0.91219	69.30263	-63.6838	34984.96
41306_1306	41306	1306	-15.5374	-88.6594	-1.48706	66.19069	63.68381	-34984.9
41306_1307	41306	1307	15.53738	140.4165	1.487063	-66.1907	-46.0359	33626.24
41307_1307	41307	1307	-15.5426	-140.417	-1.43325	-51.2466	46.03594	-33626.3
41307_1308	41307	1308	15.54263	195.5481	1.43325	51.24656	-27.9234	31503.62
41308_1308	41308	1308	-15.5426	-262.138	1.078875	60.02194	27.92344	-31503.7
41308_1309	41308	1309	15.54263	315.2074	-1.07888	-60.0219	-41.0406	27992.45
41309_1309	41309	1309	-15.5387	-315.207	1.137938	-47.2802	41.04056	-27992.5

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41309_1310	41309	1310	15.53869	369.0514	-1.13794	47.28019	-55.0843	23770.29
41310_1310	41310	1310	-15.5374	-429.94	-0.07744	39.68869	55.08431	-23770.3
41310_1311	41310	1311	15.53738	485.8284	0.077437	-39.6887	-54.0934	17904.96
41311_1311	41311	1311	-15.5374	-485.828	-0.01838	-28.8579	54.09338	-17905
41311_1312	41311	1312	15.53738	541.5953	0.018375	28.85794	-53.8637	11339.02
41312_1312	41312	1312	-15.5466	-587.736	-3.00038	6.419438	53.86369	-11339
41312_1313	41312	1313	15.54656	666.0636	3.000375	-6.41944	0	84.59456

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95
	Max.	1.31	1.58	1.84	1.84	1.05			0.00	
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1	2	3	4	5	6	7	8	9
1000_1000	1000	1000	80.17275	558.7391	0.219188	-10.0196	0	-449.61
1000_1001	1000	1001	-24.8679	-484.152	-0.21919	10.01963	-3.73669	9062.659
1001_1001	1001	1001	24.86138	484.1445	0.213938	6.229125	3.736688	-9062.63
1001_1002	1001	1002	3.949313	-436.541	-0.21394	-6.22913	-6.0585	13926.48
1002_1002	1002	1002	-4.01625	404.3091	0.861	-9.41456	6.0585	-13925.4
1002_1003	1002	1003	29.68481	-350.831	-0.861	9.414563	-16.5572	18411.33
1003_1003	1003	1003	-29.6835	350.8247	0.858375	4.658063	16.55719	-18411.3
1003_1004	1003	1004	48.97463	-297.342	-0.85838	-4.65806	-27.0283	22274.95
1004_1004	1004	1004	-48.9038	270.606	0.695625	-11.8335	27.02831	-22273.3
1004_1005	1004	1005	66.29831	-217.109	-0.69563	11.8335	-35.5058	25168.2
1005_1005	1005	1005	-66.2996	217.1006	0.693	7.536375	35.50575	-25168.2
1005_1006	1005	1006	77.31281	-163.598	-0.693	-7.53638	-43.953	27440.24
1006_1006	1006	1006	-77.3181	131.7829	0.122063	-12.2154	43.953	-27438.6
1006_1007	1006	1007	85.91231	-78.309	-0.12206	12.21544	-45.4401	28680.69
1007_1007	1007	1007	-85.9123	78.30244	0.119438	9.904125	45.44006	-28680.7
1007_1008	1007	1008	88.12913	-24.8233	-0.11944	-9.90413	-46.8969	29300.25
1008_1008	1008	1008	-88.1173	-7.8225	0.475125	-9.81225	46.89694	-29299.2
1008_1009	1008	1009	88.39556	61.27406	-0.47513	9.81225	-52.689	28877.98
1009_1009	1009	1009	-88.3956	-61.2806	0.473813	9.761063	52.689	-28878
1009_1010	1009	1010	82.29375	114.7808	-0.47381	-9.76106	-58.4627	27833.56
1010_1010	1010	1010	-82.2924	-147.392	0.009188	-20.0196	58.46269	-27833.1
1010_1011	1010	1011	74.10506	200.8598	-0.00919	20.01956	-58.5808	25749.44
1011_1011	1011	1011	-74.1051	-200.866	0.003938	21.94238	58.58081	-25749.4
1011_1012	1011	1012	59.55338	254.3008	-0.00394	-21.9424	-58.6359	23045.31
1012_1012	1012	1012	-59.5547	-287.951	-0.882	8.927625	58.63594	-23045.3
1012_1013	1012	1013	41.89106	341.4338	0.882	-8.92763	-47.8839	19290.79
1013_1013	1013	1013	-41.8924	-341.44	-0.87938	-5.71988	47.88394	-19290.8
1013_1014	1013	1014	17.85263	394.9181	0.879375	5.719875	-37.1634	14914.06
1014_1014	1014	1014	-17.8487	-428.123	0.526313	5.146313	37.16344	-14914.1
1014_1015	1014	1015	-21.1693	501.5181	-0.52631	-5.14631	-45.9611	7317.972
1015_1015	1015	1015	18.81338	-499.959	0.559125	-3.44794	47.20406	-7265.71
1015_1016	1015	1016	-46.3824	534.0379	-0.55913	3.446625	-51.8136	3104.349
1016_1016	1016	1016	93.1245	-561.72	4.617375	-0.567	42.87806	-3277.28
1016_1017	1016	1017	-132.102	610.5789	-4.61738	0.5355	-97.1381	-3647.52
1017_1017	1017	1017	149.0803	-607.856	4.622625	1.442438	97.36913	3646.999
1017_1018	1017	1018	-186.449	666.7277	-4.62263	-1.49494	-158.744	-11933.1
1018_1018	1018	1018	207.0298	-687.157	-3.60544	-13.4033	157.7783	11933.41
1018_1019	1018	1019	-232.519	745.3005	3.605438	13.48988	-112.546	-20695.3
1019_1019	1019	1019	252.6812	-741.311	-3.59888	16.04138	115.9673	20696.25
1019_1020	1019	1020	-270.731	802.8996	3.598875	-15.9456	-70.644	-30010.9
1020_1020	1020	1020	-2804.55	229.0076	-6.44175	-4.29975	210.0446	5240.753
1020_1021	1020	1021	2830.456	-188.71	6.44175	4.29975	-148.834	-3360.18
1021_1021	1021	1021	-2823.9	188.5866	-2.93344	-0.57619	146.2716	3328.169
1021_1022	1021	1022	2842.841	-158.503	2.933438	0.576188	-123.535	-2059.32
1022_1022	1022	1022	-2842.85	158.487	0.695625	1.893938	123.5351	2059.323
1022_1023	1022	1023	2858.877	-128.407	-0.69563	-1.89394	-128.93	-1012.2
1023_1023	1023	1023	-2858.84	103.7518	-13.9414	-0.63919	128.9295	1012.182
1023_1024	1023	1024	2872.245	-72.6994	13.94138	0.639188	-17.4064	-360.306
1024_1024	1024	1024	-2872.24	72.68363	-13.9414	-0.63919	17.40638	360.3062
1024_1025	1024	1025	2882.552	-41.6299	13.94138	0.639188	94.11675	55.48594
1025_1025	1025	1025	-2882.57	37.17919	-10.4239	-0.55388	-94.1168	-55.4859
1025_1026	1025	1026	2886.627	-6.12938	10.42388	0.553875	177.4907	212.3796
1026_1026	1026	1026	-2886.63	-16.2396	-6.59138	-0.65363	-177.491	-212.37
1026_1027	1026	1027	2888.135	39.51675	6.591375	0.653625	217.0179	39.15975
1027_1027	1027	1027	-2888.14	-39.5286	-1.38731	-0.43181	-217.018	-39.1584
1027_1028	1027	1028	2887.904	62.83988	1.387313	0.431813	225.3484	-267.254
1028_1028	1028	1028	-2887.9	-62.8517	-1.89788	-0.50925	-225.348	267.2539
1028_1029	1028	1029	2885.925	86.12494	1.897875	0.50925	236.7304	-705.87

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1029_1029	1029	1029	-2885.93	-86.1368	-1.38731	-0.35438	-236.73	705.8704
1029_1030	1029	1030	2882.2	109.4481	1.387313	0.354375	245.0608	-1278.15
1030_1030	1030	1030	-2882.18	-131.369	10.25325	-0.41869	-245.061	1278.141
1030_1031	1030	1031	2875.149	162.4061	-10.2533	0.418688	163.0821	-2424.27
1031_1031	1031	1031	-2875.15	-162.422	10.62994	-0.08663	-163.082	2424.27
1031_1032	1031	1032	2865.009	193.4966	-10.6299	0.086625	77.99138	-3808.09
1032_1032	1032	1032	-2865.01	-193.512	10.25325	-0.59325	-77.9914	3808.091
1032_1033	1032	1033	2851.79	224.5491	-10.2533	0.59325	-3.98869	-5426.17
1033_1033	1033	1033	-2851.86	-246.81	-7.455	-32.9621	3.988688	5426.351
1033_1034	1033	1034	2836.227	276.9034	7.455	32.96213	53.80988	-7393.56
1034_1034	1034	1034	-2836.23	-276.919	-3.82331	-23.7024	-53.8099	7393.597
1034_1035	1034	1035	2817.699	307.0082	3.823313	23.70244	83.4435	-9582.21
1035_1035	1035	1035	-2825.13	-307.134	23.47669	65.58694	-82.4604	9618.811
1035_1036	1035	1036	2799.77	347.4306	-23.4767	-65.5869	-140.609	-12879.2
1036_1036	1036	1036	225.6555	659.2924	2.7405	-13.7891	-12.7719	40227.63
1036_1037	1036	1037	-213.239	-597.689	-2.7405	13.84294	-21.7298	-32329.1
1037_1037	1037	1037	196.9839	600.3756	2.7825	9.8175	19.16775	32328.08
1037_1038	1037	1038	-178.803	-542.174	-2.7825	-9.76894	-54.0921	-25179.8
1038_1038	1038	1038	162.6647	526.8677	-4.02544	-4.27744	55.12369	25180.55
1038_1039	1038	1039	-134.917	-468.009	4.025438	4.238063	-1.72331	-18802
1039_1039	1039	1039	786.3988	461.4028	-1.68263	1.819125	22.63275	15128.47
1039_1040	1039	1040	-775.403	-412.129	1.682625	-1.77581	-2.84944	-10139.5
1040_1040	1040	1040	766.7717	393.3156	0.437063	-0.11156	2.959688	10141.19
1040_1041	1040	1041	-725.093	-359.311	-0.43706	0.095813	-6.56513	-7275.43
1041_1041	1041	1041	836.2187	361.7329	0.085313	-0.72713	11.93981	6680.411
1041_1042	1041	1042	-707.781	-300.552	-0.08531	0.727125	-13.3337	-1466.54
1042_1042	1042	1042	707.7801	272.5551	-0.0735	2.628938	13.33369	1466.585
1042_1043	1042	1043	-619.278	-227.609	0.0735	-2.62894	-12.4583	1138.199
1043_1043	1043	1043	619.2782	227.6164	-0.00919	-3.31406	12.45825	-1138.2
1043_1044	1043	1044	-538.323	-182.672	0.009188	3.314063	-12.348	3234.549
1044_1044	1044	1044	538.3389	150.2209	0.2205	3.6015	12.348	-3234.62
1044_1045	1044	1045	-465.346	-105.284	-0.2205	-3.6015	-14.9822	4434.819
1045_1045	1045	1045	465.3456	105.2914	0.2835	-3.81544	14.98219	-4434.82
1045_1046	1045	1046	-399.893	-60.3566	-0.2835	3.815438	-18.3803	5126.894
1046_1046	1046	1046	399.903	30.46444	-0.21656	3.283875	18.38025	-5127.03
1046_1047	1046	1047	-337.495	14.50181	0.216563	-3.28388	-15.7776	4934.55
1047_1047	1047	1047	337.4949	-14.4953	-0.15881	-2.87438	15.77756	-4934.55
1047_1048	1047	1048	-282.68	59.42081	0.158813	2.874375	-13.8823	4234.179
1048_1048	1048	1048	282.6863	-88.4691	0.009188	4.076625	13.88231	-4234.25
1048_1049	1048	1049	-231.618	133.4301	-0.00919	-4.07663	-13.9978	2661.621
1049_1049	1049	1049	231.6195	-133.422	0.132563	-3.0975	13.99781	-2661.62
1049_1050	1049	1050	-188.135	178.3386	-0.13256	3.0975	-15.5859	582.6096
1050_1050	1050	1050	188.1233	-205.32	-0.23494	-0.47906	15.58594	-582.582
1050_1051	1050	1051	-136.319	266.4454	0.234938	0.479063	-11.7626	-3978.51
1051_1051	1051	1051	136.7966	-265.008	-0.14963	3.783938	11.37938	3993.817
1051_1052	1051	1052	-116.948	296.8009	0.149625	-3.78919	-10.1469	-6314.49
1052_1052	1052	1052	124.2898	-319.407	1.462125	-3.52013	9.992063	6315.78
1052_1053	1052	1053	-102.412	365.2845	-1.46213	3.550313	-27.1819	-10428.8
1053_1053	1053	1053	104.5682	-363.448	3.319313	9.100875	29.82656	10474.79
1053_1054	1053	1054	-102.412	421.6708	-3.31931	-9.12319	-73.8911	-15900.9
1054_1054	1054	1054	116.1497	-438.917	-2.13544	-6.42863	72.912	15904.15
1054_1055	1054	1055	-123.116	496.1289	2.135438	6.490313	-46.116	-21531.1
1055_1055	1055	1055	136.7756	-492.568	-2.06981	11.54344	48.18975	21535.37
1055_1056	1055	1056	-150.006	552.8289	2.069813	-11.4765	-22.113	-27871.3
1056_1056	1056	1056	-2317.74	320.6018	-3.38363	-2.89406	83.68763	8419.707
1056_1057	1056	1057	2353.592	-280.74	3.383625	2.894063	-51.5432	-5713.45
1057_1057	1057	1057	-2355.04	280.7306	-1.54613	1.539563	52.19681	5675.572
1057_1058	1057	1058	2381.372	-248.836	1.546125	-1.53956	-40.2163	-3734.89
1058_1058	1058	1058	-2381.37	248.8369	-1.54613	1.539563	40.21631	3734.888

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1058_1059	1058	1059	2404.957	-216.941	1.546125	-1.53956	-28.2371	-2030.27
1059_1059	1059	1059	-2405.04	193.6541	-12.3638	-1.3755	28.23713	2030.317
1059_1060	1059	1060	2426.425	-160.688	12.36375	1.3755	70.75556	-702.521
1060_1060	1060	1060	-2426.44	156.2426	-9.33056	0.657563	-70.7556	702.5183
1060_1061	1060	1061	2441.876	-123.32	9.330563	-0.65756	145.3633	348.2154
1061_1061	1061	1061	-2441.89	123.3212	-5.89181	1.764	-145.363	-348.219
1061_1062	1061	1062	2454.409	-90.3591	5.891813	-1.764	192.5267	1148.221
1062_1062	1062	1062	-2454.37	68.901	-3.67369	0.707438	-192.527	-1148.23
1062_1063	1062	1063	2462.293	-44.1893	3.673688	-0.70744	214.5728	1452.042
1063_1063	1063	1063	-2462.3	44.19056	0.384563	0.627375	-214.573	-1452.05
1063_1064	1063	1064	2468.559	-19.5221	-0.38456	-0.62738	212.2719	1614
1064_1064	1064	1064	-2468.56	19.52344	0.644438	0.612938	-212.272	-1614
1064_1065	1064	1065	2473.186	5.185688	-0.64444	-0.61294	208.4053	1634.669
1065_1065	1065	1065	-2473.18	-5.18569	4.962563	0.460688	-208.405	-1634.67
1065_1066	1065	1066	2476.156	29.89219	-4.96256	-0.46069	178.6286	1513.685
1066_1066	1066	1066	-2476.12	-51.7401	7.130813	0.363563	-178.629	-1513.71
1066_1067	1066	1067	2478.038	84.69694	-7.13081	-0.36356	121.5506	954.9566
1067_1067	1067	1067	-2478.03	-84.6956	10.36875	1.241625	-121.551	-954.959
1067_1068	1067	1068	2477.013	117.6499	-10.3688	-1.24163	38.56256	144.2411
1068_1068	1068	1068	-2477.01	-117.65	10.18238	1.130063	-38.5626	-144.241
1068_1069	1068	1069	2473.073	150.5621	-10.1824	-1.13006	-42.8295	-916.993
1069_1069	1069	1069	-2473.17	-173.107	4.767	-0.25069	42.8295	917.0411
1069_1070	1069	1070	2466.526	205.0269	-4.767	0.250688	-79.7869	-2360.96
1070_1070	1070	1070	-2466.53	-205.026	4.767	-0.25069	79.78688	2360.959
1070_1071	1070	1071	2457.133	236.9456	-4.767	0.250688	-116.743	-4041.3
1071_1071	1071	1071	-2454.27	-236.959	6.6885	3.961125	119.532	4074.209
1071_1072	1071	1072	2439.035	276.7971	-6.6885	-3.96113	-183.033	-6457.65
1072_1072	1072	1072	96.96881	616.9511	1.068375	-8.00363	41.36738	25447.13
1072_1073	1072	1073	-46.1042	-557.155	-1.06838	8.078438	-54.8363	-18287.3
1073_1073	1073	1073	30.91725	560.7223	1.1235	6.939188	53.07881	18284.73
1073_1074	1073	1074	27.23306	-504.081	-1.1235	-6.87094	-67.1777	-11819
1074_1074	1074	1074	-42.5145	487.0753	-3.34688	0.1155	67.65019	11817.69
1074_1075	1074	1075	104.8779	-429.416	3.346875	-0.15619	-23.2273	-5925.7
1075_1075	1075	1075	517.8941	423.7393	-1.09725	-0.525	28.14	2513.922
1075_1076	1075	1076	-496.141	-378.622	1.09725	0.549938	-15.2408	2039.267
1076_1076	1076	1076	488.0518	354.5824	-0.04331	5.757938	15.15544	-2038.64
1076_1077	1076	1077	-457.167	-323.34	0.043313	-5.76713	-14.7945	4688.297
1077_1077	1077	1077	418.0667	326.0473	0.18375	-5.69625	15.13313	-4635.7
1077_1078	1077	1078	-357.047	-267.057	-0.18375	5.69625	-17.8526	8755.501
1078_1078	1078	1078	357.0381	240.9658	0.186375	6.196313	17.85263	-8755.67
1078_1079	1078	1079	-314.902	-196.198	-0.18638	-6.19631	-19.9513	11022.75
1079_1079	1079	1079	314.9003	196.2109	0.249375	-6.76988	19.95131	-11022.8
1079_1080	1079	1080	-278.665	-151.405	-0.24938	6.769875	-22.7588	12812.92
1080_1080	1080	1080	278.6713	124.0798	-0.17981	6.870938	22.75875	-12813.3
1080_1081	1080	1081	-244.621	-79.2776	0.179813	-6.87094	-20.7309	13800.12
1081_1081	1081	1081	244.6211	79.29075	-0.11944	-7.32506	20.73094	-13800.1
1081_1082	1081	1082	-216.511	-34.4899	0.119438	7.325063	-19.3804	14307.99
1082_1082	1082	1082	216.5153	4.977	-0.12469	12.894	19.38038	-14308.4
1082_1083	1082	1083	-188.862	43.16681	0.124688	-12.894	-17.8736	13945.47
1083_1083	1083	1083	188.8622	-43.1524	-0.01313	-12.6486	17.87363	-13945.5
1083_1084	1083	1084	-168.068	91.29225	0.013125	12.64856	-17.7201	13029.58
1084_1084	1084	1084	168.0748	-120.321	-0.16406	11.37413	17.72006	-13029.9
1084_1085	1084	1085	-151.098	165.1151	0.164063	-11.3741	-15.8708	11337.71
1085_1085	1085	1085	151.0976	-165.101	-0.04463	-10.4291	15.87075	-11337.7
1085_1086	1085	1086	-140.057	209.8924	0.044625	10.42913	-15.3759	9166.898
1086_1086	1086	1086	140.0516	-236.699	-0.49481	6.758063	15.37594	-9167.05
1086_1087	1086	1087	-131.662	281.4906	0.494813	-6.75806	-9.80044	6201.497
1087_1087	1087	1087	131.6608	-281.477	-0.37538	-5.12006	9.800438	-6201.49
1087_1088	1087	1088	-129.208	326.2652	0.375375	5.120063	-5.58075	2757.464

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1088_1088	1088	1088	129.2051	-350.218	-0.02231	0.85575	5.58075	-2757.53
1088_1089	1088	1089	-130.641	406.9459	0.022313	-0.85575	-5.25919	-2650.52
1089_1089	1089	1089	136.185	-405.402	-0.0105	0.098438	5.629313	2684.354
1089_1090	1089	1090	-140.665	438.1913	0.0105	-0.10369	-5.54269	-6344.77
1090_1090	1090	1090	150.8968	-462.831	1.0185	-2.87831	5.45475	6345.713
1090_1091	1090	1091	-162.552	509.9496	-1.0185	2.900625	-17.4274	-12085.5
1091_1091	1091	1091	168.4436	-506.54	2.537063	3.9585	18.35269	12132.73
1091_1092	1091	1092	-186.298	564.2516	-2.53706	-4.00575	-52.0275	-19116.3
1092_1092	1092	1092	203.6081	-578.323	-1.73906	-18.5889	50.23331	19119.03
1092_1093	1092	1093	-218.372	635.1804	1.739063	18.64538	-28.3894	-26731.8
1093_1093	1093	1093	235.7801	-630.223	-1.62881	22.63275	32.78756	26735.5
1093_1094	1093	1094	-249.37	690.1046	1.628813	-22.5724	-12.2903	-35026.2
1094_1094	1094	1094	-2713.14	281.0364	0.696938	-6.09788	-67.4691	9356.298
1094_1095	1094	1095	2741.202	-241.453	-0.69694	6.097875	60.84225	-6895.34
1095_1095	1095	1095	-2743.95	241.5433	1.449	-4.15538	-60.6966	6908.766
1095_1096	1095	1096	2763.05	-210.018	-1.449	4.155375	49.46419	-5236.48
1096_1096	1096	1096	-2763.04	210.0249	8.880375	9.998625	-49.4642	5236.464
1096_1097	1096	1097	2779.49	-178.543	-8.88038	-9.99863	-19.2898	-3799.83
1097_1097	1097	1097	-2779.59	156.6613	-5.94169	-3.14344	19.28981	3799.945
1097_1098	1097	1098	2793.848	-124.122	5.941688	3.143438	28.25813	-2735.38
1098_1098	1098	1098	-2793.85	124.1284	-2.29688	1.014563	-28.2581	2735.377
1098_1099	1098	1099	2805.311	-91.5889	2.296875	-1.01456	46.63706	-1920
1099_1099	1099	1099	-2805.31	91.59675	-2.29688	1.014563	-46.6371	1920
1099_1100	1099	1100	2813.969	-59.0573	2.296875	-1.01456	65.016	-1353.78
1100_1100	1100	1100	-2813.83	38.96419	15.62531	11.35969	-65.016	1353.719
1100_1101	1100	1101	2818.927	-14.5609	-15.6253	-11.3597	-28.7608	-1214.97
1101_1101	1101	1101	-2818.93	14.56613	15.52031	11.28488	28.76081	1214.969
1101_1102	1101	1102	2822.442	9.7965	-15.5203	-11.2849	-121.75	-1216.24
1102_1102	1102	1102	-2822.43	-9.79125	-18.3855	-13.3284	121.7501	1216.232
1102_1103	1102	1103	2824.373	34.20244	18.3855	13.32844	-11.3754	-1357.59
1103_1103	1103	1103	-2824.4	-34.1972	-13.5279	-9.50513	11.37544	1357.605
1103_1104	1103	1104	2824.769	58.60706	13.52794	9.505125	69.8355	-1639.17
1104_1104	1104	1104	-2824.75	-78.6739	0.33075	-2.59219	-69.8355	1639.171
1104_1105	1104	1105	2823.361	111.1793	-0.33075	2.592188	67.18688	-2394.5
1105_1105	1105	1105	-2823.36	-111.173	4.088438	1.765313	-67.1869	2394.501
1105_1106	1105	1106	2819.161	143.7174	-4.08844	-1.76531	34.46231	-3399.83
1106_1106	1106	1106	-2819.16	-143.71	4.088438	1.765313	-34.4623	3399.834
1106_1107	1106	1107	2812.161	176.2543	-4.08844	-1.76531	1.73775	-4654.41
1107_1107	1107	1107	-2812.19	-197.579	-3.79444	-3.24581	-1.73775	4654.452
1107_1108	1107	1108	2802.766	229.0641	3.794438	3.245813	31.11675	-6270.58
1108_1108	1108	1108	-2802.77	-229.058	-3.68681	-2.98069	-31.1168	6270.58
1108_1109	1108	1109	2790.699	260.5838	3.686813	2.980688	59.70563	-8122.53
1109_1109	1109	1109	-2790.45	-260.514	-0.77963	6.256688	-60.8436	8121.3
1109_1110	1109	1110	2771.426	300.0992	0.779625	-6.25669	68.25394	-10818.9
1110_1110	1110	1110	208.8161	673.0697	1.714125	-25.5334	10.14825	36678.57
1110_1111	1110	1111	-178.714	-613.384	-1.71413	25.61081	-31.7153	-28688.6
1111_1111	1111	1111	161.5583	613.3706	1.848	22.03163	26.66081	28685.93
1111_1112	1111	1112	-127.697	-556.755	-1.848	-21.9608	-49.8737	-21639.7
1112_1112	1112	1112	111.2318	545.034	-2.48456	-4.62919	52.00519	21638.48
1112_1113	1112	1113	-70.0809	-487.51	2.484563	4.584563	-19.0089	-14951.7
1113_1113	1113	1113	625.0164	484.134	-1.52381	3.577875	27.26719	11806.29
1113_1114	1113	1114	-609.452	-436.969	1.523813	-3.57656	-9.366	-6525.77
1114_1114	1114	1114	600.0999	419.3897	0.294	4.538625	9.40275	6526.767
1114_1115	1114	1115	-564.946	-386.712	-0.294	-4.54388	-11.8322	-3366.5
1115_1115	1115	1115	637.8908	389.0447	0.417375	-2.0895	12.10256	2750.719
1115_1116	1115	1116	-547.058	-333.353	-0.41738	2.0895	-18.2739	2422.749
1116_1116	1116	1116	547.0631	307.9532	-0.40163	4.201313	18.27394	-2422.78
1116_1117	1116	1117	-482.268	-265.536	0.401625	-4.20131	-13.7563	5353.74
1117_1117	1117	1117	482.2676	265.5542	-0.33469	-4.72238	13.75631	-5353.74

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1117_1118	1117	1118	-423.893	-223.137	0.334688	4.722375	-9.98419	7834.982
1118_1118	1118	1118	423.8929	197.2438	-0.06038	11.40956	9.984188	-7834.99
1118_1119	1118	1119	-367.476	-154.79	0.060375	-11.4096	-9.30694	9557.132
1119_1119	1119	1119	367.4764	154.8081	0.070875	-11.6852	9.306938	-9557.13
1119_1120	1119	1120	-317.533	-112.393	-0.07088	11.68519	-10.1102	10827.87
1120_1120	1120	1120	317.5318	83.85038	-0.27825	5.761875	10.11019	-10827.9
1120_1121	1120	1121	-265.957	-38.2305	0.27825	-5.76188	-6.74494	11325.44
1121_1121	1121	1121	265.9571	38.2515	-0.21788	-5.47181	6.744938	-11325.4
1121_1122	1121	1122	-221.843	7.330313	0.217875	5.471813	-4.11731	11303.12
1122_1122	1122	1122	221.844	-35.6331	-0.1575	5.616188	4.117313	-11303.1
1122_1123	1122	1123	-182.629	78.08456	0.1575	-5.61619	-2.33756	10475.71
1123_1123	1123	1123	182.6291	-78.0649	-0.09188	-4.86281	2.337563	-10475.7
1123_1124	1123	1124	-149.87	120.4783	0.091875	4.862813	-1.29675	9199.267
1124_1124	1124	1124	149.8704	-150.59	-0.39638	7.38675	1.29675	-9199.27
1124_1125	1124	1125	-123.836	193.0412	0.396375	-7.38675	3.164438	7133.531
1125_1125	1125	1125	123.8357	-193.022	-0.26381	-6.29869	-3.16444	-7133.53
1125_1126	1125	1126	-104.245	235.4336	0.263813	6.298688	6.138563	4619.906
1126_1126	1126	1126	104.2401	-257.738	-0.76256	0.4095	-6.13856	-4619.88
1126_1127	1126	1127	-83.9094	310.3301	0.762563	-0.4095	16.77506	578.6264
1127_1127	1127	1127	88.27219	-308.858	-0.64838	0.442313	-16.4259	-556.581
1127_1128	1127	1128	-80.8172	339.3062	0.648375	-0.44888	21.77963	-2331.32
1128_1128	1128	1128	88.79325	-356.949	2.568563	-5.14894	-21.9699	2332.543
1128_1129	1128	1129	-84.8807	400.7824	-2.56856	5.188313	-8.23463	-7117.68
1129_1129	1129	1129	97.83113	-396.996	5.2395	11.19563	7.952438	7110.27
1129_1130	1129	1130	-111.809	453.1892	-5.2395	-11.2403	-77.5071	-12712.2
1130_1130	1130	1130	127.7955	-489.951	-10.9069	-8.232	76.24969	12715.53
1130_1131	1130	1131	-159.172	545.2991	10.90688	8.314688	60.63619	-19285.7
1131_1131	1131	1131	173.9784	-540.297	-10.8413	9.485438	-58.9418	19290.41
1131_1132	1131	1132	-202.183	598.7625	10.84125	-9.39356	195.5087	-26540.6
1132_1132	1132	1132	-2256.49	267.6804	44.36513	21.48956	-538.59	6555.823
1132_1133	1132	1133	2286.934	-229.113	-44.3651	-21.4896	117.117	-4129.27
1133_1133	1133	1133	-2292.38	228.9958	41.19019	15.67388	-117.604	4155.614
1133_1134	1133	1134	2315.436	-199.798	-41.1902	-15.6739	-201.617	-2588.57
1134_1134	1134	1134	-2315.7	199.8084	1.995	-34.0397	201.6171	2588.451
1134_1135	1134	1135	2335.757	-170.605	-1.995	34.03969	-217.081	-1235.47
1135_1135	1135	1135	-2335.83	143.8881	-4.92844	0.4935	217.0809	1236.127
1135_1136	1135	1136	2352.554	-113.741	4.928438	-0.4935	-177.65	-274.834
1136_1136	1136	1136	-2352.54	113.7531	-8.09156	-1.01194	177.6495	274.8336
1136_1137	1136	1137	2366.067	-83.6049	8.091563	1.011938	-112.907	458.1084
1137_1137	1137	1137	-2366.08	83.61675	-4.92844	-0.26644	112.9065	-458.108
1137_1138	1137	1138	2376.394	-53.4699	4.928438	0.266438	-73.4764	962.661
1138_1138	1138	1138	-2376.49	32.74819	-4.69481	-0.03938	73.47638	-962.66
1138_1139	1138	1139	2382.751	-10.1745	4.694813	0.039375	-45.3456	1064.216
1139_1139	1139	1139	-2382.75	10.18369	-0.38588	0.245438	45.34556	-1064.22
1139_1140	1139	1140	2387.222	12.42675	0.385875	-0.24544	-43.0316	1037.586
1140_1140	1140	1140	-2387.22	-12.4176	-0.38588	0.245438	43.03163	-1037.59
1140_1141	1140	1141	2389.888	35.028	0.385875	-0.24544	-40.7177	882.5001
1141_1141	1141	1141	-2389.89	-35.0188	-4.60294	-0.5145	40.71769	-882.5
1141_1142	1141	1142	2390.749	57.62925	4.602938	0.5145	-13.0896	598.9449
1142_1142	1142	1142	-2390.76	-83.0353	0.29925	1.195688	13.08956	-598.933
1142_1143	1142	1143	2386.748	113.1821	-0.29925	-1.19569	-15.4875	-172.886
1143_1143	1143	1143	-2386.75	-113.17	0.29925	1.195688	15.4875	172.8864
1143_1144	1143	1144	2379.535	143.3171	-0.29925	-1.19569	-17.8868	-1173.07
1144_1144	1144	1144	-2379.53	-143.305	-2.86388	-2.01075	17.88675	1173.073
1144_1145	1144	1145	2369.115	173.4521	2.863875	2.01075	5.0295	-2401.66
1145_1145	1145	1145	-2369.07	-194.599	-6.77119	-0.99094	-5.0295	2401.634
1145_1146	1145	1146	2356.024	223.7668	6.771188	0.990938	57.45206	-3971.82
1146_1146	1146	1146	-2356.02	-223.755	-6.70425	-0.84919	-57.4521	3971.815
1146_1147	1146	1147	2339.962	252.9608	6.70425	0.849188	109.4192	-5758.21

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1147_1147	1147	1147	-2327.77	-253.053	-5.04263	3.735375	-108.911	5698.721
1147_1148	1147	1148	2304.661	291.6257	5.042625	-3.73538	156.8228	-8197.32
1148_1148	1148	1148	134.7793	557.0985	0.118125	-10.6838	-6.35119	27754.35
1148_1149	1148	1149	-98.7381	-498.88	-0.11813	10.72444	4.864125	-21274.6
1149_1149	1149	1149	85.08806	502.6888	0.207375	8.19525	-6.86044	21271.23
1149_1150	1149	1150	-43.8887	-447.615	-0.20738	-8.1585	4.251188	-15466.7
1150_1150	1150	1150	30.22556	432.7011	-0.01838	-1.428	-3.42038	15464.73
1150_1151	1150	1151	14.89294	-376.703	0.018375	1.404375	3.6645	-10233.1
1151_1151	1151	1151	639.9881	370.4479	-0.1785	-0.41475	-2.32838	6657.416
1151_1152	1151	1152	-616.96	-325.938	0.1785	0.397688	4.421813	-2760.82
1152_1152	1152	1152	609.9936	307.6802	-0.03544	0.438375	-4.431	2761.407
1152_1153	1152	1153	-569.235	-276.902	0.035438	-0.43838	4.723688	-543.119
1153_1153	1153	1153	604.7186	279.4431	-0.00919	-0.65756	-4.75388	355.5051
1153_1154	1153	1154	-515.247	-229.53	0.009188	0.657563	4.8825	2763.579
1154_1154	1154	1154	515.2481	205.4942	0.212625	3.70125	-4.8825	-2763.59
1154_1155	1154	1155	-449.03	-165.535	-0.21263	-3.70125	2.538375	4523.489
1155_1155	1155	1155	449.0299	165.5627	0.307125	-4.02544	-2.53838	-4523.49
1155_1156	1155	1156	-389.524	-125.604	-0.30713	4.025438	-0.84525	5870.668
1156_1156	1156	1156	389.5277	102.0009	0.014438	4.622625	0.84525	-5870.69
1156_1157	1156	1157	-338.118	-65.6014	-0.01444	-4.62263	-0.99225	6489.617
1157_1157	1157	1157	338.1184	65.62631	0.116813	-4.578	0.99225	-6489.62
1157_1158	1157	1158	-292.321	-29.2635	-0.11681	4.578	-2.15513	6765.997
1158_1158	1158	1158	292.32	6.50475	0.118125	4.31025	2.155125	-6766.02
1158_1159	1158	1159	-248.846	29.8935	-0.11813	-4.31025	-3.33769	6459.222
1159_1159	1159	1159	248.8461	-29.8699	0.219188	-3.9585	3.337688	-6459.22
1159_1160	1159	1160	-210.975	66.23138	-0.21919	3.9585	-5.53744	5810.826
1160_1160	1160	1160	210.9765	-89.2539	-0.12731	0.345188	5.537438	-5810.87
1160_1161	1160	1161	-172.376	129.213	0.127313	-0.34519	-4.12913	4437.031
1161_1161	1161	1161	172.3759	-133.548	-0.12731	0.345188	4.129125	-4437.03
1161_1162	1161	1162	-145.453	173.5073	0.127313	-0.34519	-2.72213	2622.227
1162_1162	1162	1162	145.4499	-194.846	0.379313	0.47775	2.722125	-2622.2
1162_1163	1162	1163	-117.096	244.7576	-0.37931	-0.47775	-7.93931	-540.235
1163_1163	1163	1163	121.5834	-243.208	0.34125	0.240188	7.707	532.6083
1163_1164	1163	1164	-110.211	274.0251	-0.34125	-0.24413	-10.5236	-2751.42
1164_1164	1164	1164	116.8414	-292.262	0.059063	0.4095	10.53675	2752.5
1164_1165	1164	1165	-106.21	336.6405	-0.05906	-0.40556	-11.235	-6568.77
1165_1165	1165	1165	103.0588	-332.8	1.473938	0.612938	3.587063	6639.5
1165_1166	1165	1166	-107.978	388.6116	-1.47394	-0.66675	-23.1578	-11514.5
1166_1166	1166	1166	120.7106	-404.435	-0.73894	-6.44306	22.59206	11517.65
1166_1167	1166	1167	-133.371	459.2976	0.738938	6.50475	-13.3232	-16994.6
1167_1167	1167	1167	146.0209	-454.296	-0.64969	8.09025	14.89425	16999.34
1167_1168	1167	1168	-163.616	512.2097	0.649688	-8.022	-6.7095	-22891.6
1168_1168	1168	1168	-1964.05	286.5266	1.017188	-1.88344	-26.1201	6684.591
1168_1169	1168	1169	1998.164	-248.211	-1.01719	1.883438	16.44956	-4282.46
1169_1169	1169	1169	-2003.96	248.1308	2.054063	0.108938	-17.4248	4310.708
1169_1170	1169	1170	2029.473	-218.831	-2.05406	-0.10894	1.5015	-2604.85
1170_1170	1170	1170	-2029.47	218.8476	2.054063	0.108938	-1.5015	2604.854
1170_1171	1170	1171	2051.837	-189.547	-2.05406	-0.10894	-14.4218	-1113.49
1171_1171	1171	1171	-2051.86	166.7925	0.402938	0.458063	14.42175	1113.488
1171_1172	1171	1172	2071.369	-136.547	-0.40294	-0.45806	-17.6492	19.91981
1172_1172	1172	1172	-2071.37	136.5656	-2.53313	-0.58538	17.64919	-19.9185
1172_1173	1172	1173	2087.514	-106.357	2.533125	0.585375	2.596125	923.8097
1173_1173	1173	1173	-2087.51	106.3742	0.402938	-0.53156	-2.59613	-923.81
1173_1174	1173	1174	2100.331	-76.1289	-0.40294	0.531563	-0.63263	1600.397
1174_1174	1174	1174	-2100.34	54.012	1.162875	-0.24413	0.632625	-1600.42
1174_1175	1174	1175	2108.39	-31.3281	-1.16288	0.244125	-7.61119	1822.499
1175_1175	1175	1175	-2108.39	31.34119	-2.67094	0.879375	7.611188	-1822.5
1175_1176	1175	1176	2114.554	-8.65594	2.670938	-0.87938	8.418375	1916.022
1176_1176	1176	1176	-2114.56	8.670375	1.162875	-0.29531	-8.41838	-1916.02

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1176_1177	1176	1177	2118.838	14.01488	-1.16288	0.295313	1.439813	1880.982
1177_1177	1177	1177	-2118.84	-14.0004	1.162875	-0.29531	-1.43981	-1880.98
1177_1178	1177	1178	2121.235	36.68438	-1.16288	0.295313	-5.54006	1717.381
1178_1178	1178	1178	-2121.25	-58.7462	-1.30463	0.01575	5.540063	-1717.38
1178_1179	1178	1179	2122.356	88.95469	1.304625	-0.01575	4.890375	1120.14
1179_1179	1179	1179	-2122.36	-88.9376	1.631438	0.307125	-4.89038	-1120.14
1179_1180	1179	1180	2120.114	119.1829	-1.63144	-0.30713	-8.16506	293.7546
1180_1180	1180	1180	-2120.11	-119.165	1.631438	0.307125	8.165063	-293.755
1180_1181	1180	1181	2114.523	149.4098	-1.63144	-0.30713	-21.2205	-761.18
1181_1181	1181	1181	-2114.54	-171.898	-3.05025	1.057875	21.2205	761.2251
1181_1182	1181	1182	2105.799	201.1984	3.05025	-1.05788	2.424188	-2175.11
1182_1182	1182	1182	-2105.8	-205.568	-3.05025	1.057875	-2.42419	2175.112
1182_1183	1182	1183	2090.613	234.8679	3.05025	-1.05788	26.06888	-3824.37
1183_1183	1183	1183	-2077.55	-234.91	-3.90469	-0.92138	-24.948	3760.649
1183_1184	1183	1184	2054.922	273.2218	3.904688	0.921375	62.04713	-6209.4
1184_1184	1184	1184	114.5353	520.5861	0.485625	6.923438	-13.0843	22513.88
1184_1185	1184	1185	-70.2844	-463.032	-0.48563	-6.86306	6.964125	-16517.3
1185_1185	1185	1185	57.47438	467.9876	0.391125	-7.98394	-5.418	16513.49
1185_1186	1185	1186	-9.17569	-413.461	-0.39113	8.03775	0.500063	-11063.5
1186_1186	1186	1186	-3.63825	398.2112	-0.63394	-0.78881	-1.17469	11061.18
1186_1187	1186	1187	52.68506	-342.763	0.633938	0.752063	9.597	-6302.77
1187_1187	1187	1187	540.0557	338.8823	-0.07744	-0.8715	4.791938	2805.964
1187_1188	1187	1188	-520.28	-293.652	0.077438	0.862313	-3.87844	1040.412
1188_1188	1188	1188	513.9409	273.6458	-0.1155	-2.80744	3.87975	-1039.42
1188_1189	1188	1189	-480.445	-242.352	0.1155	2.806125	-2.93213	2930.163
1189_1189	1189	1189	499.7094	245.1409	-0.17456	0.963375	3.01875	-2939.17
1189_1190	1189	1190	-429.828	-192.363	0.174563	-0.96338	-0.61163	5659.311
1190_1190	1190	1190	429.8319	167.8661	0.255938	-5.56631	0.611625	-5659.31
1190_1191	1190	1191	-378.807	-125.644	-0.25594	5.566313	-3.42169	7061.765
1191_1191	1191	1191	378.8072	125.6719	0.148313	4.592438	3.421688	-7061.76
1191_1192	1191	1192	-334.373	-83.4488	-0.14831	-4.59244	-5.05838	8025.197
1192_1192	1192	1192	334.3778	58.25663	0.035438	5.411438	5.058375	-8025.19
1192_1193	1192	1193	-296.625	-19.4499	-0.03544	-5.41144	-5.41931	8257.871
1193_1193	1193	1193	296.625	19.47488	0.150938	-5.78288	5.419313	-8257.87
1193_1194	1193	1194	-264.439	19.3305	-0.15094	5.782875	-6.951	8119.682
1194_1194	1194	1194	264.4556	-43.6603	-0.20606	0.107625	6.951	-8119.8
1194_1195	1194	1195	-235.127	82.467	0.206063	-0.10763	-4.87331	7354.002
1195_1195	1195	1195	235.1265	-82.4421	-0.20606	0.107625	4.873313	-7354
1195_1196	1195	1196	-211.366	121.2488	0.206063	-0.10763	-2.79431	6217.324
1196_1196	1196	1196	211.3348	-146.749	0.069563	-2.20894	2.794313	-6217.24
1196_1197	1196	1197	-189.108	188.9724	-0.06956	2.208938	-3.56213	4267.977
1197_1197	1197	1197	189.1076	-188.944	-0.03938	2.947875	3.562125	-4267.98
1197_1198	1197	1198	-173.481	231.1286	0.039375	-2.94788	-3.13294	1882.003
1198_1198	1198	1198	173.5033	-259.521	0.211313	0.643125	3.132938	-1882.06
1198_1199	1198	1199	-166.18	312.2989	-0.21131	-0.64313	-6.04275	-2163.06
1199_1199	1199	1199	168.0223	-310.375	0.164063	0.129938	5.663438	2123.769
1199_1200	1199	1200	-166.842	342.8854	-0.16406	-0.1365	-7.01531	-4921.85
1200_1200	1200	1200	175.0573	-364.186	1.316438	0.694313	7.038938	4923.256
1200_1201	1200	1201	-175.83	410.9923	-1.31644	-0.65494	-22.512	-9645.48
1201_1201	1201	1201	182.8496	-405.923	4.035938	1.177313	18.68213	9677.144
1201_1202	1201	1202	-196.078	466.1948	-4.03594	-1.25606	-72.2282	-15455.6
1202_1202	1202	1202	211.5186	-486.09	-2.94525	2.312625	72.51169	15459.96
1202_1203	1202	1203	-225.662	545.2978	2.94525	-2.23388	-35.5294	-21804.2
1203_1203	1203	1203	240.6311	-539.147	-2.94525	1.245563	35.57531	21810.04
1203_1204	1203	1204	-255.802	601.3809	2.94525	-1.15894	1.514625	-29001.7
1204_1204	1204	1204	-2387.95	304.4843	7.810688	2.076375	-87.3954	8274.15
1204_1205	1204	1205	2420.27	-263.003	-7.81069	-2.07638	13.17619	-5631.38
1205_1205	1205	1205	-2419.85	262.9502	5.992875	-2.71688	-12.6446	5332.581
1205_1206	1205	1206	2443.748	-231.105	-5.99288	2.716875	-33.7457	-3517.72

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1206_1206	1206	1206	-2443.75	231.1234	6.065063	-2.61056	33.74569	3517.722
1206_1207	1206	1207	2464.674	-199.238	-6.06506	2.610563	-80.7621	-1935.45
1207_1207	1207	1207	-2464.36	173.0781	-9.28069	-1.64588	80.76206	1935.503
1207_1208	1207	1208	2482.526	-140.163	9.280688	1.645875	-6.49556	-757.021
1208_1208	1208	1208	-2482.53	140.1816	-5.86819	0.333375	6.495563	757.0198
1208_1209	1208	1209	2497.493	-107.268	5.868188	-0.33338	40.46044	170.9374
1209_1209	1209	1209	-2497.49	107.2851	-5.86819	0.333375	-40.4604	-170.937
1209_1210	1209	1210	2509.247	-74.3715	5.868188	-0.33338	87.41513	848.4026
1210_1210	1210	1210	-2509.41	50.9565	-4.01888	0.018375	-87.4151	-848.433
1210_1211	1210	1211	2516.607	-26.271	4.018875	-0.01838	111.5349	1049.627
1211_1211	1211	1211	-2516.61	26.28413	0.531563	0.248063	-111.535	-1049.63
1211_1212	1211	1212	2522	-1.59863	-0.53156	-0.24806	108.3416	1109.914
1212_1212	1212	1212	-2522	1.61175	0.441	0.242813	-108.342	-1109.91
1212_1213	1212	1213	2525.585	23.03175	-0.441	-0.24281	105.7009	1029.549
1213_1213	1213	1213	-2525.58	-23.0186	-4.01888	-0.2415	-105.701	-1029.55
1213_1214	1213	1214	2527.372	47.70544	4.018875	0.2415	129.8194	808.2533
1214_1214	1214	1214	-2527.55	-71.4381	7.432688	0.60375	-129.819	-808.268
1214_1215	1214	1215	2527.669	104.3529	-7.43269	-0.60375	70.34213	101.9169
1215_1215	1215	1215	-2527.68	-104.335	4.020188	-1.06181	-70.3421	-101.917
1215_1216	1215	1216	2524.589	137.2494	-4.02019	1.061813	38.17669	-854.953
1216_1216	1216	1216	-2524.58	-137.231	7.432688	1.844063	-38.1767	854.952
1216_1217	1216	1217	2518.289	170.1459	-7.43269	-1.84406	-21.3006	-2062.29
1217_1217	1217	1217	-2518.13	-194.99	-3.20906	-0.21788	21.30056	2062.293
1217_1218	1217	1218	2508.945	226.8761	3.209063	0.217875	3.577875	-3663.4
1218_1218	1218	1218	-2508.94	-226.859	-3.28256	-0.35569	-3.57788	3663.398
1218_1219	1218	1219	2496.769	258.7029	3.282563	0.355688	28.98788	-5497.07
1219_1219	1219	1219	-2489.96	-258.717	-1.43063	4.201313	-28.6624	5769.365
1219_1220	1219	1220	2471.003	300.1937	1.430625	-4.20131	42.25988	-8349.94
1220_1220	1220	1220	239.4722	614.8314	3.5595	-62.1981	13.17881	28984.37
1220_1221	1220	1221	-200.629	-552.971	-3.5595	62.27288	-58.0033	-21807.4
1221_1221	1221	1221	185.4143	559.8561	4.03725	55.4715	45.44269	21803.17
1221_1222	1221	1222	-139.915	-501.093	-4.03725	-55.3993	-96.1236	-15469.7
1222_1222	1222	1222	124.8647	490.3973	-4.31156	-4.24069	101.1806	15465.25
1222_1223	1222	1223	-72.6298	-430.5	4.311563	4.113375	-43.932	-9464.44
1223_1223	1223	1223	668.0153	428.0417	-0.80588	1.783688	19.67831	6097.956
1223_1224	1223	1224	-638.172	-380.457	0.805875	-1.764	-10.1994	-1562.84
1224_1224	1224	1224	629.7848	361.116	0.192938	13.18931	10.10494	1563.396
1224_1225	1224	1225	-583.879	-328.136	-0.19294	-13.1906	-11.7009	1120.674
1225_1225	1225	1225	546.2769	332.0573	0.559125	-9.55763	12.24169	-874.423
1225_1226	1225	1226	-447.263	-264.252	-0.55913	9.557625	-21.42	5348.228
1226_1226	1226	1226	447.2475	233.4714	0.086625	26.70806	21.42	-5347.6
1226_1227	1226	1227	-378.176	-182.482	-0.08663	-26.7081	-22.4831	7619.631
1227_1227	1227	1227	378.1746	182.5136	0.569625	-26.1516	22.48313	-7619.64
1227_1228	1227	1228	-316.887	-131.564	-0.56963	26.15156	-29.5129	9292.503
1228_1228	1228	1228	316.6144	99.06094	0.147	19.84238	29.51288	-9289.36
1228_1229	1228	1229	-261.178	-45.234	-0.147	-19.8424	-31.3228	9938.801
1229_1229	1229	1229	261.1757	45.48075	0.469875	-18.5548	31.32281	-9938.8
1229_1230	1229	1230	-216.542	8.3055	-0.46988	18.55481	-37.1175	9969.995
1230_1230	1230	1230	216.4024	-40.8424	0.232313	16.30256	37.1175	-9966.6
1230_1231	1230	1231	-179.501	94.63388	-0.23231	-16.3026	-39.9761	8963.367
1231_1231	1231	1231	179.508	-94.3871	0.555188	-15.1344	39.97613	-8963.37
1231_1232	1231	1232	-153.38	148.1379	-0.55519	15.13444	-46.8234	7343.928
1232_1232	1232	1232	153.3788	-182.305	2.4255	11.95819	46.82344	-7342.6
1232_1233	1232	1233	-142.627	225.414	-2.4255	-11.9582	-70.8002	5267.753
1233_1233	1233	1233	142.5821	-225.2	2.741813	-4.19606	70.80019	-5267.47
1233_1234	1233	1234	-138.767	275.2523	-2.74181	4.196063	-102.267	2431.673
1234_1234	1234	1234	146.5879	-274.003	3.390188	-12.9846	108.4584	-2462.46
1234_1235	1234	1235	-147.285	287.9468	-3.39019	12.98719	-119.108	1549.154
1235_1235	1235	1235	171.9021	-306.525	0.003938	-2.14463	129.7853	-1631.86

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1235_1236	1235	1236	-179.584	338.7523	-0.00394	2.061938	-129.814	-728.247
1236_1236	1236	1236	178.4895	-339.224	0.18375	0.794063	129.8863	728.45
1236_1237	1236	1237	-193.835	383.3498	-0.18375	-0.8925	-131.67	-4229.41
1237_1237	1237	1237	219.7164	-377.639	-0.17063	10.34906	129.0686	4144.723
1237_1238	1237	1238	-228.592	402.7971	0.170625	-10.4501	-128.261	-6003
1238_1238	1238	1238	236.2986	-422.712	7.027125	-15.519	126.7914	6003.302
1238_1239	1238	1239	-255.833	480.2228	-7.02713	15.38119	-202.31	-10839.5
1239_1239	1239	1239	267.0623	-473.924	7.277813	13.8495	205.0283	10843.62
1239_1240	1239	1240	-286.822	534.3371	-7.27781	-14.0241	-284.87	-16350.7
1240_1240	1240	1240	306.5213	-557.588	-37.8748	-28.4274	280.9721	16348.34
1240_1241	1240	1241	-324.672	625.7291	37.87481	28.84613	170.3691	-23156.9
1241_1241	1241	1241	-2234.71	369.0146	-10.4633	21.72188	368.2862	6469.23
1241_1242	1241	1242	2270.507	-320.141	10.46325	-21.7219	-268.856	-3339.24
1242_1242	1242	1242	-2266.54	320.2133	-7.71094	26.09119	269.6597	3320.021
1242_1243	1242	1243	2277.409	-304.151	7.710938	-26.0912	-245.255	-2376.1
1243_1243	1243	1243	-2274.59	279.153	-41.517	-4.56881	245.2551	2373.906
1243_1244	1243	1244	2303.939	-232.386	41.517	4.568813	137.2901	-136.122
1244_1244	1244	1244	-2304.1	232.554	-33.2863	-0.8085	-137.29	136.2874
1244_1245	1244	1245	2331.028	-179.729	33.28631	0.8085	483.7324	1899.636
1245_1245	1245	1245	-2331.54	160.0187	-19.1861	2.38875	-483.732	-1899.46
1245_1246	1245	1246	2351.152	-110.54	19.18613	-2.38875	670.7623	3137.943
1246_1246	1246	1246	-2351.2	110.7081	-11.0381	-3.05419	-670.762	-3137.93
1246_1247	1246	1247	2365.172	-60.5574	11.03813	3.054188	779.8311	3926.169
1247_1247	1247	1247	-2365.3	36.64238	0.04725	3.568688	-779.831	-3925.24
1247_1248	1247	1248	2373.303	9.45	-0.04725	-3.56869	779.4006	4014.717
1248_1248	1248	1248	-2373.34	-9.282	5.007188	-0.95813	-779.401	-4014.51
1248_1249	1248	1249	2376.327	62.7585	-5.00719	0.958125	726.6381	3620.601
1249_1249	1249	1249	-2374.8	-88.6056	-14.0346	3.156563	-726.638	-3619.91
1249_1250	1249	1250	2371.426	141.0767	14.03456	-3.15656	871.7284	2443.657
1250_1250	1250	1250	-2371.43	-140.909	-3.91388	0.68775	-871.728	-2443.81
1250_1251	1250	1251	2362.837	188.0498	3.913875	-0.68775	908.0754	948.0765
1251_1251	1251	1251	-2366.6	-223.225	81.984	-5.166	-908.075	-948.121
1251_1252	1251	1252	2352.966	274.6524	-81.984	5.166	77.37188	-1522.37
1252_1252	1252	1252	-2352.74	-278.935	89.65819	4.8825	-77.3719	1522.546
1252_1253	1252	1253	2326.371	335.8254	-89.6582	-4.8825	-927.579	-4914.27
1253_1253	1253	1253	-2323.44	-335.692	87.87056	0.211313	927.4926	4899.678
1253_1254	1253	1254	2314.583	351.9456	-87.8706	-0.21131	-1205.22	-5962.42
1254_1254	1254	1254	-2308.47	-385.706	-45.2721	-51.7821	1205.224	5959.093
1254_1255	1254	1255	2290.82	418.2767	45.27206	51.78206	-918.476	-8461.35
1255_1255	1255	1255	286.6474	572.2224	-63.3938	1.555313	878.2161	25480.22
1255_1256	1255	1256	-261.728	-525.69	63.39375	-2.15775	-363.271	-21095.1
1256_1256	1256	1256	252.9909	530.607	-63.2284	43.52775	358.2876	21091.51
1256_1257	1256	1257	-228.426	-490.081	63.22838	-44.0331	101.4221	-17620.4
1257_1257	1257	1257	214.6541	470.4315	12.46875	-26.9141	-94.3412	17613.23
1257_1258	1257	1258	-176.928	-414.049	-12.4688	27.85125	-35.2039	-13197.1
1258_1258	1258	1258	166.5983	420.3688	12.72338	17.67281	31.71263	13194.51
1258_1259	1258	1259	-118.86	-353.538	-12.7234	-16.7908	-192.608	-8392.81
1259_1259	1259	1259	682.4829	336.2651	1.52775	6.806625	22.45556	5211.87
1259_1260	1259	1260	-699.979	-287.04	-1.52775	-6.72656	-38.5796	-1768.22
1260_1260	1260	1260	693.7455	295.512	1.833563	-6.20288	38.81588	1766.786
1260_1261	1260	1261	-687.381	-252.062	-1.83356	6.230438	-56.1435	852.3283
1261_1261	1261	1261	719.145	256.7919	2.040938	-10.2323	55.59094	-1203.8
1261_1262	1261	1262	-712.522	-242.469	-2.04094	10.23225	-62.055	1969.359
1262_1262	1262	1262	712.3699	203.9888	-0.59063	19.95656	62.055	-1968
1262_1263	1262	1263	-696.197	-153.723	0.590625	-19.9566	-55.4899	3898.263
1263_1263	1263	1263	696.1526	153.9641	-0.09581	-17.7306	55.48988	-3898.09
1263_1264	1263	1264	-688.849	-99.9928	0.095813	17.73056	-54.3546	5393.987
1264_1264	1264	1264	688.7619	68.54794	1.015875	23.96756	54.35456	-5393.68
1264_1265	1264	1265	-687.183	-16.1936	-1.01588	-23.9676	-66.1185	5887.106

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1265_1265	1265	1265	687.1883	16.43644	1.525125	-23.2168	66.1185	-5887.12
1265_1266	1265	1266	-695.302	35.48475	-1.52513	23.21681	-83.6273	5821.512
1266_1266	1266	1266	695.2759	-67.8891	0.01575	15.56231	83.62725	-5821.24
1266_1267	1266	1267	-708.854	120.7014	-0.01575	-15.5623	-83.8058	4785.575
1267_1267	1267	1267	708.8655	-120.46	0.363563	-15.2683	83.80575	-4785.63
1267_1268	1267	1268	-731.668	171.8745	-0.36356	15.26831	-87.9454	3228.066
1268_1268	1268	1268	731.5928	-203.638	1.9425	13.43344	87.94538	-3227.65
1268_1269	1268	1269	-764.929	262.6536	-1.9425	-13.4334	-113.294	333.396
1269_1269	1269	1269	764.9985	-262.398	2.403188	-14.9074	113.2937	-333.737
1269_1270	1269	1270	-804.511	314.1836	-2.40319	14.90738	-140.819	-2794.16
1270_1270	1270	1270	804.5966	-340.561	-4.88906	4.265625	140.8194	2793.751
1270_1271	1270	1271	-839.08	382.011	4.889063	-4.26563	-96.0068	-5955.9
1271_1271	1271	1271	839.0117	-386.197	-4.52813	-3.51094	96.00675	5956.29
1271_1272	1271	1272	-894.062	436.6583	4.528125	3.510938	-45.486	-10825.7
1272_1272	1272	1272	810.5121	-434.081	-3.71963	2.286375	40.97494	11502.89
1272_1273	1272	1273	-826.35	454.2628	3.719625	-2.27325	-25.4573	-13374.5
1273_1273	1273	1273	833.1068	-481.061	25.18556	-9.92644	25.21313	13375.97
1273_1274	1273	1274	-843.544	519.7697	-25.1856	9.952688	-225.527	-17468.7
1274_1274	1274	1274	852.3296	-512.509	25.38244	-3.85613	225.7067	17468.77
1274_1275	1274	1275	-842.372	551.4285	-25.3824	3.899438	-425.682	-21835.9
1275_1275	1275	1275	737.7733	-548.701	26.06625	36.42319	427.3434	22531.9
1275_1276	1275	1276	-729.858	571.8576	-26.0663	-36.393	-536.339	-24506
1276_1276	1276	1276	349.7419	-590.032	-104.454	-80.8776	636.8604	26701.08
1276_1277	1276	1277	-369.318	655.7591	104.454	81.49575	592.5439	-33822.7
1277_1277	1277	1277	386.0942	-647.332	-104.168	63.62738	-582.302	33827.78
1277_1278	1277	1278	-403.669	721.4445	104.1679	-62.7848	1916.594	-42652.3
1278_1278	1278	1278	419.4225	-699.494	171.6317	-103.753	-1939.88	42657.95
1278_1279	1278	1279	-430.958	757.5002	-171.632	103.2793	284.2862	-49729.8
1279_1279	1279	1279	-3172.64	499.4391	60.23588	54.32569	-1088.14	17908.87
1279_1280	1279	1280	3210.599	-448.653	-60.2359	-54.3257	515.7561	-13203
1280_1280	1280	1280	-3208.75	448.6991	62.24925	67.59244	-514.4	13475.95
1280_1281	1280	1281	3228.616	-421.458	-62.2493	-67.5924	176.988	-11198.2
1281_1281	1281	1281	-3286.9	399.2179	-30.9999	-13.6264	-190.843	11464.99
1281_1282	1281	1282	3323.313	-341.747	30.99994	13.62638	573.993	-7033.87
1282_1282	1282	1282	-3323.38	341.9417	-20.6627	9.572063	-573.993	7033.831
1282_1283	1282	1283	3351.154	-285.481	20.66269	-9.57206	824.8931	-3338.02
1283_1283	1283	1283	-3351.15	221.9162	18.2595	-2.82713	-824.893	3338.052
1283_1284	1283	1284	3368.873	-164.231	-18.2595	2.827125	598.3674	-1015.5
1284_1284	1284	1284	-3368.74	164.4143	29.48006	4.371938	-598.367	1015.242
1284_1285	1284	1285	3377.404	-114.394	-29.4801	-4.37194	281.2373	447.972
1285_1285	1285	1285	-3377.28	65.25881	38.80406	-0.26513	-281.237	-448.036
1285_1286	1285	1286	3380.605	-13.2274	-38.8041	0.265125	-152.985	871.983
1286_1286	1286	1286	-3380.45	13.398	49.16363	1.308563	152.985	-872.102
1286_1287	1286	1287	3377.497	34.9755	-49.1636	-1.30856	-664.439	769.7708
1287_1287	1287	1287	-3377.94	-83.6955	-29.7137	-3.71175	664.4387	-769.314
1287_1288	1287	1288	3367.536	144.5955	29.71369	3.71175	-275.26	-686.48
1288_1288	1288	1288	-3367.55	-148.894	-17.8185	3.472875	275.2601	686.1803
1288_1289	1288	1289	3347.758	201.0737	17.8185	-3.47288	-75.306	-2573.03
1289_1289	1289	1289	-3347.64	-247.106	-2.9715	0.459375	75.306	2572.332
1289_1290	1289	1290	3339.234	265.7274	2.9715	-0.45938	-63.4043	-3566.39
1290_1290	1290	1290	-3336.98	-265.683	2.009438	7.331625	64.21406	3262.527
1290_1291	1290	1291	3314.031	312.8829	-2.00944	-7.33163	-83.3044	-5981.92
1291_1291	1291	1291	403.4139	1034.431	32.91619	-17.0468	-289.263	32898.38
1291_1292	1291	1292	-383.213	-992.535	-32.9162	16.80919	44.35331	-25669.8
1292_1292	1292	1292	354.186	960.4757	3.466313	-37.6596	-42.8374	25667.3
1292_1293	1292	1293	-309.062	-891.5	-3.46631	37.63069	-1.11431	-13947.9
1293_1293	1293	1293	282.051	900.7097	3.600188	33.59606	-4.03069	13944.41
1293_1294	1293	1294	-234.411	-841.793	-3.60019	-33.6105	-36.2539	-4267
1294_1294	1294	1294	180.6748	803.964	-3.15394	-4.0635	70.32113	4466.018

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1294_1295	1294	1295	-147.757	-767.633	3.153938	3.996563	-48.0795	1122.636
1295_1295	1295	1295	94.72181	771.9128	-3.49388	2.1525	59.72925	-905.487
1295_1296	1295	1296	-60.0259	-739.239	3.493875	-2.18006	-34.7209	6608.914
1296_1296	1296	1296	49.93406	742.2214	-3.47288	-0.4725	34.75238	-6609.1
1296_1297	1296	1297	-14.8706	-702.161	3.472875	0.471188	-4.21444	13292.46
1297_1297	1297	1297	14.48738	650.6535	0.741563	34.16306	4.214438	-13293
1297_1298	1297	1298	0.525	-632.198	-0.74156	-34.1631	-7.21875	14837.53
1298_1298	1298	1298	50.57194	632.7891	1.006688	19.53	2.506875	-15125.4
1298_1299	1298	1299	-25.5439	-589.167	-1.00669	-19.53	-11.0276	20180.73
1299_1299	1299	1299	25.46906	589.2981	1.074938	-32.6288	11.02763	-20180.3
1299_1300	1299	1300	4.639688	-527.54	-1.07494	32.62875	-23.9124	26732.55
1300_1300	1300	1300	-4.66725	465.4243	1.725938	55.6185	23.91244	-26732.4
1300_1301	1300	1301	31.29263	-397.596	-1.72594	-55.6185	-46.6239	32288.86
1301_1301	1301	1301	-31.2362	397.7531	1.81125	-56.5674	46.62394	-32289.1
1301_1302	1301	1302	48.12281	-339.381	-1.81125	56.56744	-67.1396	36386.47
1302_1302	1302	1302	-48.1793	271.5064	-0.18769	79.24481	67.13963	-36386.2
1302_1303	1302	1303	62.2125	-202.138	0.187688	-79.2448	-64.6052	39510.52
1303_1303	1303	1303	-62.1469	202.2956	-0.08794	-85.2626	64.60519	-39510.9
1303_1304	1303	1304	67.78013	-145.404	0.087938	85.26263	-63.6339	41405.7
1304_1304	1304	1304	-67.8313	74.68125	1.523813	75.74438	63.63394	-41405.6
1304_1305	1304	1305	69.00075	-7.35656	-1.52381	-75.7444	-83.5511	41938.56
1305_1305	1305	1305	-68.9483	7.514063	1.609125	-73.752	83.55113	-41938.8
1305_1306	1305	1306	63.88856	51.38569	-1.60913	73.752	-101.947	41714.21
1306_1306	1306	1306	-63.8951	-125.265	0.081375	71.06006	101.9471	-41714.1
1306_1307	1306	1307	51.03263	186.3881	-0.08138	-71.0601	-102.918	39928.91
1307_1307	1307	1307	-51.051	-186.232	0.156188	-54.3323	102.9184	-39928.8
1307_1308	1307	1308	30.62456	251.3424	-0.15619	54.33225	-104.896	37263.36
1308_1308	1308	1308	-30.6036	-317.209	2.597438	63.66413	104.8963	-37263.5
1308_1309	1308	1309	5.6805	379.8834	-2.59744	-63.6641	-136.488	33144.49
1309_1309	1309	1309	-5.67131	-379.727	2.678813	-50.2674	136.4882	-33144.5
1309_1310	1309	1310	-26.1818	443.3166	-2.67881	50.26744	-169.551	28219.23
1310_1310	1310	1310	26.17125	-501.966	-2.23519	40.89619	169.5514	-28219.2
1310_1311	1310	1311	-64.7483	567.9699	2.235188	-40.8962	-140.924	21551.6
1311_1311	1311	1311	64.74169	-567.806	-2.1525	-31.7441	140.9244	-21551.6
1311_1312	1311	1312	-110.339	633.6658	2.1525	31.74413	-113.404	14091.71
1312_1312	1312	1312	110.1319	-689.981	-6.31706	7.587563	113.4039	-14090.7
1312_1313	1312	1313	-190.478	782.4863	6.317063	-7.58756	0	1258.533
1400_1020	1400	1020	3193.259	-292.11	-32.8965	0.809813	-256.011	-4255.27
1400_1401	1400	1401	-3194.64	297.3377	32.8965	-0.80981	390.6118	3049.359
1401_1401	1401	1401	3193	-290.164	24.90206	-7.2345	-401.914	-3049
1401_1402	1401	1402	-3194.19	294.6182	-24.9021	7.2345	315.0197	2028.685
1402_1402	1402	1402	3200.353	-217.372	27.51788	2.069813	-314.606	-2028.76
1402_1403	1402	1403	-3204.41	231.2179	-27.5179	-2.06981	14.16319	-420.154
1403_1403	1403	1403	3233.845	-134.68	4.261688	-0.62344	-30.4251	420.1181
1403_1404	1403	1404	-3236.8	143.7358	-4.26169	0.623438	-0.30319	-1423.83
1404_1404	1404	1404	3239.275	-68.3721	2.33625	0.221813	0.589313	1423.833
1404_1405	1404	1405	-3242.45	77.36138	-2.33625	-0.22181	-17.4471	-1949.46
1405_1405	1405	1405	3239.625	33.59738	1.641938	-0.38456	1.21275	1949.435
1405_1406	1405	1406	-3246.59	-15.8747	-1.64194	0.384563	-24.8679	-1592.96
1406_1406	1406	1406	3239.405	127.6761	0.164063	-0.56306	9.6705	1592.929
1406_1407	1406	1407	-3244.07	-116.935	-0.16406	0.563063	-11.1182	-509.03
1407_1407	1407	1407	3240.905	184.9063	-1.58813	-0.52763	11.22713	509.0282
1407_1408	1407	1408	-3244.13	-177.895	1.588125	0.527625	-2.39794	499.0952
1408_1408	1408	1408	3208.854	-505.869	3.363938	1.610438	5.036063	-499.11
1408_1409	1408	1409	-3209.77	509.9601	-3.36394	-1.61044	-15.1948	-1035
1409_1409	1409	1409	3201.971	475.4689	4.452	-2.69063	15.43763	1034.268
1409_1410	1409	1410	-3201.05	-471.378	-4.452	2.690625	-28.8855	395.6663
1410_1410	1410	1410	3216.629	-209.314	1.823063	-1.19569	24.40594	-395.685
1410_1411	1410	1411	-3213.41	216.3249	-1.82306	1.195688	-34.5371	-787.05

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1411_1411	1411	1411	3217.221	-149.235	-3.79575	-0.56831	33.92025	787.0774
1411_1412	1411	1412	-3212.56	159.9741	3.79575	0.568313	-0.29006	-2156.91
1412_1412	1412	1412	3209.051	-48.6924	-0.06956	-0.93581	14.39419	2156.91
1412_1413	1412	1413	-3202.09	66.42169	0.069563	0.935813	-13.3967	-2986.56
1413_1413	1413	1413	3195.189	42.34519	-4.32994	-0.14963	25.69481	2986.583
1413_1414	1413	1414	-3192.02	-33.3624	4.329938	0.149625	5.51775	-2713.72
1414_1414	1414	1414	3190.378	107.6828	-2.26144	-1.80075	-4.93763	2713.717
1414_1415	1414	1415	-3187.42	-98.6331	2.261438	1.80075	21.23363	-1970.46
1415_1415	1415	1415	3160.688	194.8892	-14.0464	-1.54875	-8.41575	1970.471
1415_1416	1415	1416	-3156.63	-181.033	14.04638	1.54875	161.8824	83.17838
1416_1416	1416	1416	3151.205	255.0056	-46.5268	1.363688	-161.64	-83.6535
1416_1417	1416	1417	-3150.02	-250.56	46.52681	-1.36369	323.6743	963.9971
1417_1417	1417	1417	3152.164	260.9158	24.00431	-1.83094	-314.195	-964.037
1417_1036	1417	1036	-3150.79	-255.675	-24.0043	1.830938	215.7553	2063.741
1420_1056	1420	1056	2619.866	-276.65	-32.739	0.912188	-70.1453	-4648.41
1420_1421	1420	1421	-2621.08	281.2845	32.739	-0.91219	204.1568	3506.507
1421_1421	1421	1421	2620.303	-274.542	16.527	-1.31906	-213.402	-3506.45
1421_1422	1421	1422	-2621.36	278.4849	-16.527	1.319063	155.7977	2542.691
1422_1422	1422	1422	2627.234	-216.196	15.38381	1.245563	-156.117	-2542.67
1422_1423	1422	1423	-2630.83	228.4695	-15.3838	-1.24556	-11.9149	114.2571
1423_1423	1423	1423	2653.081	-148.744	2.5935	0.27825	-3.192	-114.209
1423_1424	1423	1424	-2655.7	156.7571	-2.5935	-0.27825	-15.4849	-985.812
1424_1424	1424	1424	2658.592	-96.0973	-0.10106	0.937125	15.8445	985.8056
1424_1425	1424	1425	-2661.4	104.0629	0.101063	-0.93713	-15.1121	-1707.84
1425_1425	1425	1425	2664.521	-13.3914	1.162875	0.507938	0.573563	1707.901
1425_1426	1425	1426	-2670.69	29.09944	-1.16288	-0.50794	-17.3276	-2014.13
1426_1426	1426	1426	2672.121	63.3465	0.56175	-0.53156	3.44925	2014.218
1426_1427	1426	1427	-2676.25	-53.8322	-0.56175	0.531563	-8.421	-1495.17
1427_1427	1427	1427	2674.542	109.7224	-4.68956	2.1735	9.732188	1495.162
1427_1428	1427	1428	-2677.41	-103.472	4.689563	-2.1735	16.3275	-902.862
1428_1428	1428	1428	2645.258	-461.195	1.135313	-0.273	-13.9033	902.8294
1428_1429	1428	1429	-2646.08	464.8416	-1.13531	0.273	10.47506	-2300.47
1429_1429	1429	1429	2647.406	472.6746	0.09975	0.861	-10.605	2303.814
1429_1430	1429	1430	-2646.59	-469.017	-0.09975	-0.861	10.30313	-877.959
1430_1430	1430	1430	2683.069	-97.9834	3.084375	-0.93319	-13.6146	877.9562
1430_1431	1430	1431	-2680.2	104.2322	-3.08438	0.933188	-3.52538	-1439.76
1431_1431	1431	1431	2681.787	-48.4418	-0.79538	1.061813	2.606625	1439.759
1431_1432	1431	1432	-2677.65	57.95344	0.795375	-1.06181	4.440188	-1910.95
1432_1432	1432	1432	2677.559	34.55944	-0.74944	0.219188	10.93313	1911.035
1432_1433	1432	1433	-2671.39	-18.8541	0.749438	-0.21919	-0.12863	-1526.17
1433_1433	1433	1433	2671.242	109.7368	1.54875	-0.24806	15.14363	1526.267
1433_1434	1433	1434	-2668.43	-101.773	-1.54875	0.248063	-26.3104	-763.54
1434_1434	1434	1434	2665.35	163.6884	-3.108	0.502688	25.85231	763.5561
1434_1435	1434	1435	-2662.73	-155.666	3.108	-0.50269	-3.44663	387.3148
1435_1435	1435	1435	2633.418	235.3785	-26.2946	-0.27038	19.72031	-387.223
1435_1436	1435	1436	-2629.82	-223.101	26.29463	0.270375	267.582	2891.945
1436_1436	1436	1436	2623.819	284.7298	-30.7729	0.922688	-266.155	-2892.08
1436_1437	1436	1437	-2622.76	-280.79	30.77288	-0.92269	373.3406	3876.958
1437_1437	1437	1437	2624.432	288.0649	27.69375	-1.15369	-369.705	-3876.53
1437_1072	1437	1072	-2623.21	-283.433	-27.6938	1.153688	256.4126	5045.518
1440_1094	1440	1094	3094.571	-260.291	-29.7229	0.17325	20.28338	-2902.29
1440_1441	1440	1441	-3095.78	264.8861	29.72288	-0.17325	101.4681	1797.94
1441_1441	1441	1441	3093.535	-256.64	9.5025	-1.29938	-117.34	-1797.88
1441_1442	1441	1442	-3094.58	260.5496	-9.5025	1.299375	84.18506	895.5686
1442_1442	1442	1442	3099.937	-186.252	9.535313	0.731063	-84.189	-895.569
1442_1443	1442	1443	-3103.5	198.4093	-9.53531	-0.73106	-19.9749	-1205.45
1443_1443	1443	1443	3120.96	-103.273	0.921375	0.489563	1.004063	1205.505
1443_1444	1443	1444	-3123.56	111.2081	-0.92138	-0.48956	-7.63875	-1977.58
1444_1444	1444	1444	3125.28	-39.9433	1.350563	0.043313	7.550813	1977.577

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1444_1445	1444	1445	-3128.06	47.83275	-1.35056	-0.04331	-17.2896	-2294.15
1445_1445	1445	1445	3132.465	58.79344	1.221938	0.189	-1.15763	2294.221
1445_1446	1445	1446	-3138.58	-43.2259	-1.22194	-0.189	-16.4588	-1558.61
1446_1446	1446	1446	3141.814	153.4614	3.075188	0.15225	-2.28113	1558.676
1446_1447	1446	1447	-3145.91	-144.043	-3.07519	-0.15225	-24.9533	-241.306
1447_1447	1447	1447	3142.279	208.7387	-1.68	-0.00656	25.11338	241.2887
1447_1448	1447	1448	-3145.12	-202.542	1.68	0.006563	-15.7749	901.7636
1448_1448	1448	1448	3133.024	-462.357	-18.1309	5.415375	19.13756	-901.824
1448_1449	1448	1449	-3133.83	465.9638	18.13088	-5.41538	35.50444	-497.048
1449_1449	1449	1449	3132.428	463.7128	20.54588	-5.40094	-35.5058	497.5412
1449_1450	1449	1450	-3131.62	-460.092	-20.5459	5.400938	-26.6359	899.5206
1450_1450	1450	1450	3140.482	-206.441	-2.05931	0.060375	23.289	-899.498
1450_1451	1450	1451	-3137.64	212.6381	2.059313	-0.06038	-11.8401	-265.478
1451_1451	1451	1451	3141.345	-148.078	-1.071	-0.26513	11.8755	265.4768
1451_1452	1451	1452	-3137.25	157.5	1.071	0.265125	-2.39006	-1618.87
1452_1452	1452	1452	3131.138	-48.1176	-1.6695	-0.20738	20.24138	1618.886
1452_1453	1452	1453	-3125.03	63.67594	1.6695	0.207375	3.815438	-2424.59
1453_1453	1453	1453	3117.724	43.66294	-0.58406	-0.26381	14.41913	2424.617
1453_1454	1453	1454	-3114.94	-35.7735	0.584063	0.263813	-10.2047	-2138.09
1454_1454	1454	1454	3113.406	104.0983	-0.83606	-0.31238	10.13906	2138.091
1454_1455	1454	1455	-3110.81	-96.1866	0.836063	0.312375	-4.13306	-1418.94
1455_1455	1455	1455	3092.455	195.4404	-9.19275	-0.57356	23.12888	1418.994
1455_1456	1455	1456	-3088.89	-183.259	9.19275	0.573563	77.46769	653.1407
1456_1456	1456	1456	3083.735	255.6908	-11.8493	0.668063	-77.3063	-653.16
1456_1457	1456	1457	-3082.69	-251.781	11.84925	-0.66806	118.6539	1538.511
1457_1457	1457	1457	3085.445	260.4394	27.24094	-0.39638	-103.302	-1538.44
1457_1110	1457	1110	-3084.24	-255.846	-27.2409	0.396375	-8.28319	2621.804
1460_1132	1460	1132	2591.72	-265.139	5.83275	0.049875	270.7884	-4400.42
1460_1461	1460	1461	-2592.93	269.7319	-5.83275	-0.04988	-294.669	3177.183
1461_1461	1461	1461	2589.612	-263.138	-25.0688	2.412375	269.934	-3177.18
1461_1462	1461	1462	-2590.66	267.0465	25.06875	-2.41238	-182.494	2252.51
1462_1462	1462	1462	2596.339	-204.808	-22.7456	0.095813	183.1043	-2252.46
1462_1463	1462	1463	-2599.9	216.9615	22.74563	-0.09581	65.28769	-50.4814
1463_1463	1463	1463	2593.315	-137.202	3.426938	1.500188	-83.0222	50.10206
1463_1464	1463	1464	-2595.91	145.1468	-3.42694	-1.50019	58.32094	-1067.68
1464_1464	1464	1464	2598.562	-84.8308	10.86094	-0.23625	-59.3604	1067.623
1464_1465	1464	1465	-2601.35	92.71763	-10.8609	0.23625	-18.9709	-1707.9
1465_1465	1465	1465	2578.977	-0.60506	2.212875	0.606375	-2.50819	1707.771
1465_1466	1465	1466	-2585.09	16.16081	-2.21288	-0.60638	-29.3843	-1828.58
1466_1466	1466	1466	2547.761	79.74094	-5.943	0.79275	9.809625	1828.439
1466_1467	1466	1467	-2551.85	-70.3224	5.943	-0.79275	42.82425	-1163.99
1467_1467	1467	1467	2549.878	122.7398	-1.02506	-0.525	-43.8086	1163.958
1467_1468	1467	1468	-2552.72	-116.543	1.025063	0.525	49.50488	-498.93
1468_1468	1468	1468	2484.674	-403.519	12.75881	-25.4901	-47.3379	498.6673
1468_1469	1468	1469	-2485.48	407.1388	-12.7588	25.49006	8.76225	-1724.19
1469_1469	1469	1469	2466.545	399.3688	-6.47325	25.473	-42.6812	1670.978
1469_1470	1469	1470	-2465.74	-395.749	6.47325	-25.473	62.25188	-468.948
1470_1470	1470	1470	2525.429	-120.119	3.421688	-0.40294	-64.5002	468.6885
1470_1471	1470	1471	-2522.58	126.315	-3.42169	0.402938	45.48338	-1153.57
1471_1471	1471	1471	2524.642	-74.3951	6.0795	-0.66675	-44.961	1153.588
1471_1472	1471	1472	-2520.55	83.81494	-6.0795	0.66675	-8.87644	-1854.12
1472_1472	1472	1472	2547.397	11.19038	-2.60925	-0.95156	27.38006	1854.005
1472_1473	1472	1473	-2541.28	4.377188	2.60925	0.951563	10.25063	-1804.88
1473_1473	1473	1473	2557.511	85.15631	-1.25869	-0.97125	8.035125	1804.706
1473_1474	1473	1474	-2554.73	-77.2695	1.258688	0.97125	1.042125	-1218.96
1474_1474	1474	1474	2552.302	135.5169	-1.54481	-0.8085	-1.10906	1218.962
1474_1475	1474	1475	-2549.7	-127.583	1.544813	0.8085	12.23381	-271.961
1475_1475	1475	1475	2556.852	206.1216	0.343875	-0.83869	5.229	271.8437
1475_1476	1475	1476	-2553.29	-193.967	-0.34388	0.838688	-8.97881	1913.124

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1476_1476	1476	1476	2547.902	255.1684	2.1	0.301875	8.59425	-1913.12
1476_1477	1476	1477	-2546.86	-251.26	-2.1	-0.30188	-15.9193	2796.541
1477_1477	1477	1477	2548.975	258.1307	8.2215	0.279563	33.61313	-2796.6
1477_1148	1477	1148	-2547.77	-253.537	-8.2215	-0.27956	-67.284	3844.366
1480_1168	1480	1168	2265.992	-251.132	21.34256	1.019813	-62.8556	-4581.07
1480_1481	1480	1481	-2267.2	255.7262	-21.3426	-1.01981	-24.5595	3543.103
1481_1481	1481	1481	2265.824	-250.122	-4.72631	-5.70675	3.552938	-3542.99
1481_1482	1481	1482	-2266.87	254.0304	4.726313	5.70675	12.936	2663.59
1482_1482	1482	1482	2272.31	-199.614	2.044875	2.751	-10.6838	-2663.6
1482_1483	1482	1483	-2275.87	211.7706	-2.04488	-2.751	-11.6471	416.9078
1483_1483	1483	1483	2242.646	-143.441	0.422625	1.1865	-5.99813	-417.03
1483_1484	1483	1484	-2245.24	151.3864	-0.42263	-1.1865	2.954438	-645.569
1484_1484	1484	1484	2248.155	-99.1673	0.736313	1.164188	-2.95838	645.5689
1484_1485	1484	1485	-2250.94	107.0541	-0.73631	-1.16419	-2.34806	-1389.25
1485_1485	1485	1485	2205.045	-28.0823	4.148813	1.120875	-16.4246	1389.136
1485_1486	1485	1486	-2211.16	43.63669	-4.14881	-1.12088	-43.365	-1905.91
1486_1486	1486	1486	2153.037	39.14269	-13.6553	0.9345	25.71975	1905.787
1486_1487	1486	1487	-2157.13	-29.7242	13.65525	-0.9345	95.20613	-1600.86
1487_1487	1487	1487	2156.086	74.04731	-9.52219	-0.13125	-96.5554	1600.78
1487_1488	1487	1488	-2158.93	-67.851	9.522188	0.13125	149.4833	-1206.41
1488_1488	1488	1488	2057.457	-361.629	17.74631	-45.2799	-149.007	1206.182
1488_1489	1488	1489	-2058.27	365.2478	-17.7463	45.27994	95.34919	-2305.05
1489_1489	1489	1489	2063.429	367.9738	-19.8043	45.50831	-44.0961	2319.131
1489_1490	1489	1490	-2062.62	-364.355	19.80431	-45.5083	103.9763	-1212.02
1490_1490	1490	1490	2160.771	-65.0108	7.679438	-0.36225	-106.332	1211.524
1490_1491	1490	1491	-2157.93	71.20575	-7.67944	0.36225	63.64706	-1590.09
1491_1491	1491	1491	2158.925	-26.7986	9.935625	-0.70481	-62.9226	1590.123
1491_1492	1491	1492	-2154.83	36.21713	-9.93563	0.704813	-25.0661	-1869.14
1492_1492	1492	1492	2213.744	46.22888	-3.97163	-1.23244	42.14438	1868.953
1492_1493	1492	1493	-2207.63	-30.6744	3.971625	1.232438	15.09375	-1314.83
1493_1493	1493	1493	2251.9	109.6148	-0.89644	-1.34663	2.60925	1314.697
1493_1494	1493	1494	-2249.12	-101.728	0.896438	1.346625	3.860063	-552.547
1494_1494	1494	1494	2246.144	153.9681	-1.21013	-1.17731	-3.9165	552.5468
1494_1495	1494	1495	-2243.55	-146.022	1.210125	1.177313	12.64069	528.6645
1495_1495	1495	1495	2273.356	214.1226	-1.80731	-0.75206	3.466313	-528.775
1495_1496	1495	1496	-2269.8	-201.966	1.807313	0.752063	16.27894	2801.16
1496_1496	1496	1496	2264.299	256.3523	-2.27588	-0.95944	-16.1319	-2801.16
1496_1497	1496	1497	-2263.26	-252.444	2.275875	0.959438	24.07388	3688.706
1497_1497	1497	1497	2264.767	258.1569	-10.7166	-0.70613	-8.88038	-3688.75
1497_1184	1497	1184	-2263.56	-253.565	10.71656	0.706125	52.76775	4831.361
1500_1204	1500	1204	2798.784	-284.072	-38.64	-0.17719	43.34663	-4636.34
1500_1501	1500	1501	-2800.21	289.5047	38.64	0.177188	114.9015	3415.897
1501_1501	1501	1501	2798.618	-282.539	10.03013	0.33075	-121.562	-3416
1501_1502	1501	1502	-2799.85	287.1619	-10.0301	-0.33075	86.56988	2422.214
1502_1502	1502	1502	2805.998	-219.182	8.151938	0.770438	-87.0227	-2422.2
1502_1503	1502	1503	-2810.21	233.5449	-8.15194	-0.77044	-1.93463	-48.0703
1503_1503	1503	1503	2839.153	-149.549	0.727125	0.67725	-8.26088	47.99025
1503_1504	1503	1504	-2842.23	158.9464	-0.72713	-0.67725	3.021375	-1159.86
1504_1504	1504	1504	2845.151	-92.8528	1.124813	0.58275	-3.06338	1159.858
1504_1505	1504	1505	-2848.44	102.1808	-1.12481	-0.58275	-5.05313	-1863.19
1505_1505	1505	1505	2862.635	-5.43375	0.775688	0.427875	-5.59913	1863.115
1505_1506	1505	1506	-2869.86	23.84419	-0.77569	-0.42788	-5.58206	-2074.22
1506_1506	1506	1506	2877.986	76.52006	2.563313	-0.18113	-4.97963	2074.106
1506_1507	1506	1507	-2882.83	-65.3809	-2.56331	0.181125	-17.7174	-1445.78
1507_1507	1507	1507	2880.873	124.6678	-0.46331	0.943688	18.39338	1445.775
1507_1508	1507	1508	-2884.21	-117.403	0.463313	-0.94369	-15.8169	-773.022
1508_1508	1508	1508	2855.537	-492.463	-3.70519	3.801	20.0655	773.0559
1508_1509	1508	1509	-2856.49	496.7064	3.705188	-3.801	-8.862	-2268.44
1509_1509	1509	1509	2856.728	494.2888	-2.38481	-4.01756	8.9145	2268.072

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1509_1510	1509	1510	-2855.78	-490.059	2.384813	4.017563	-1.72988	-784.774
1510_1510	1510	1510	2891.388	-118.142	3.32325	-1.70363	-1.13006	784.8855
1510_1511	1510	1511	-2888.05	125.4081	-3.32325	1.703625	-17.3381	-1461.77
1511_1511	1511	1511	2890.019	-66.0463	-2.2365	0.7245	16.08994	1461.79
1511_1512	1511	1512	-2885.18	77.1855	2.2365	-0.7245	3.717	-2095.98
1512_1512	1512	1512	2883.266	23.163	-0.0315	-0.40556	7.930125	2095.901
1512_1513	1512	1513	-2876.04	-4.75256	0.0315	0.405563	-7.48125	-1894.62
1513_1513	1513	1513	2870.577	101.619	-1.44375	-0.53025	17.98256	1894.519
1513_1514	1513	1514	-2867.28	-92.2898	1.44375	0.53025	-7.57313	-1195.24
1514_1514	1514	1514	2864.366	158.8991	-1.84538	-0.5355	7.50225	1195.24
1514_1515	1514	1515	-2861.29	-149.502	1.845375	0.5355	5.794688	-83.7178
1515_1515	1515	1515	2835.701	233.5607	-17.4326	-1.87294	4.746	83.60494
1515_1516	1515	1516	-2831.49	-219.197	17.43263	1.872938	185.4878	2386.827
1516_1516	1516	1516	2825.354	287.7906	-15.5361	4.272188	-185.918	-2386.79
1516_1517	1516	1517	-2824.12	-283.168	15.53606	-4.27219	240.1206	3382.773
1517_1517	1517	1517	2822.819	290.0428	41.79919	-0.20081	-234.432	-3382.93
1517_1220	1517	1220	-2821.39	-284.61	-41.7992	0.200813	63.24413	4559.678
1520_1241	1520	1241	2727.345	-349.872	-24.0384	59.25281	-530.619	-7678.51
1520_1521	1520	1521	-2729.06	356.4054	24.03844	-59.2528	629.1771	6230.612
1521_1521	1521	1521	2714.607	-348.989	47.00588	8.806875	-621.44	-6247.39
1521_1522	1521	1522	-2716.09	354.5312	-47.0059	-8.80688	457.7396	5022.355
1522_1522	1522	1522	2723.882	-290.055	37.16081	0.910875	-462.894	-5021.89
1522_1523	1522	1523	-2728.94	307.314	-37.1608	-0.91088	57.23419	1761.425
1523_1523	1523	1523	2767.041	-226.4	8.159813	0.97125	-66.6593	-1761.41
1523_1524	1523	1524	-2770.73	237.6872	-8.15981	-0.97125	7.847438	88.84181
1524_1524	1524	1524	2775.512	-173.31	3.331125	0.994875	-7.87763	-88.8392
1524_1525	1524	1525	-2779.47	184.5165	-3.33113	-0.99488	-16.1477	-1201.62
1525_1525	1525	1525	2773.306	-92.8804	-1.66425	0.292688	9.037875	1200.045
1525_1526	1525	1526	-2781.99	114.9829	1.66425	-0.29269	14.95856	-2698.08
1526_1526	1526	1526	2772.621	-21.2756	-0.73894	-2.51344	-19.2872	2694.808
1526_1527	1526	1527	-2778.44	34.66575	0.738938	2.513438	25.83788	-2942.65
1527_1527	1527	1527	2778.551	23.08425	-6.06113	3.639563	-23.3061	2942.671
1527_1528	1527	1528	-2782.53	-14.4244	6.061125	-3.63956	56.99925	-2838.42
1528_1528	1528	1528	2715.725	-569.563	1.172063	-3.51356	-48.1753	2837.405
1528_1529	1528	1529	-2716.86	574.6164	-1.17206	3.513563	44.6355	-4565.39
1529_1529	1529	1529	2714.001	563.3066	5.692313	2.018625	-44.3008	4561.775
1529_1530	1529	1530	-2712.87	-558.254	-5.69231	-2.01863	27.111	-2868.33
1530_1530	1530	1530	2767.57	-20.9698	10.13775	-3.16575	-36.2434	2867.06
1530_1531	1530	1531	-2763.59	29.63363	-10.1378	3.16575	-20.1233	-3007.74
1531_1531	1531	1531	2763.632	26.79206	6.595313	0.296625	18.37238	3007.751
1531_1532	1531	1532	-2757.82	-13.4124	-6.59531	-0.29663	-76.7773	-2829.74
1532_1532	1532	1532	2755.262	109.8786	-0.98306	-1.17338	78.099	2827.836
1532_1533	1532	1533	-2746.58	-87.7708	0.983063	1.173375	-63.9253	-1403.12
1533_1533	1533	1533	2745.489	181.4663	-2.82581	-0.44363	67.56488	1402.489
1533_1534	1533	1534	-2741.53	-170.26	2.825813	0.443625	-47.1791	-134.078
1534_1534	1534	1534	2736.828	234.003	-5.04	-1.43063	47.12006	134.0929
1534_1535	1534	1535	-2733.14	-222.714	5.04	1.430625	-10.7861	1512.133
1535_1535	1535	1535	2732.24	303.5458	-2.01075	1.147125	18.49181	-1510.77
1535_1536	1535	1536	-2727.18	-286.284	2.01075	-1.14713	3.462375	4730.519
1536_1536	1536	1536	2719.428	352.3446	-7.09406	-7.9275	-0.98963	-4730.51
1536_1537	1536	1537	-2717.95	-346.789	7.094063	7.9275	25.74994	5950.681
1537_1537	1537	1537	2719.483	353.5245	-16.7777	-58.5729	-21.0893	-5961.3
1537_1255	1537	1255	-2717.77	-347.009	16.77769	58.57294	89.70281	7467.67
1540_1279	1540	1279	3794.255	-346.091	115.2611	199.1903	911.3383	-3354.31
1540_1541	1540	1541	-3796.1	353.1124	-115.261	-199.19	-1383.35	1856.88
1541_1541	1541	1541	3875.504	-314.39	-74.5566	28.26863	1371.297	-1929.31
1541_1542	1541	1542	-3877.1	320.3721	74.55656	-28.2686	-1110.99	821.1761
1542_1542	1542	1542	3883.571	-226.184	-82.5773	-0.441	1110.838	-821.861
1542_1543	1542	1543	-3889.01	244.7642	82.57725	0.441	-209.157	-1749.35

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1543_1543	1543	1543	3831.262	-141.137	-9.54319	-4.75256	202.062	1748.305
1543_1544	1543	1544	-3835.23	153.2869	9.543188	4.752563	-133.263	-2809.56
1544_1544	1544	1544	3837.707	-63.1103	-25.1803	3.629063	137.1812	2809.37
1544_1545	1544	1545	-3841.96	75.16031	25.18031	-3.62906	44.30738	-3307.67
1545_1545	1545	1545	3831.073	49.78313	0.97125	-0.90825	-44.9439	3301.928
1545_1546	1545	1546	-3840.42	-25.998	-0.97125	0.90825	30.94744	-2755.81
1546_1546	1546	1546	3846.342	156.9986	10.08	-0.99225	-30.954	2752.477
1546_1547	1546	1547	-3852.6	-142.598	-10.08	0.99225	-58.3078	-1425.93
1547_1547	1547	1547	3848.967	220.0078	4.135688	-0.01838	59.26069	1425.891
1547_1548	1547	1548	-3853.24	-210.702	-4.13569	0.018375	-82.2714	-227.673
1548_1548	1548	1548	3844.961	-602.697	-19.0588	5.3235	93.49988	223.692
1548_1549	1548	1549	-3846.17	608.118	19.05881	-5.3235	-35.9546	-2051.58
1549_1549	1549	1549	3868.545	636.6058	-26.5545	-7.84613	36.68569	2057.198
1549_1550	1549	1550	-3867.29	-631.276	26.5545	7.846125	42.33338	-170.727
1550_1550	1550	1550	3919.869	-214.359	14.66063	-2.63156	-45.7524	177.2702
1550_1551	1550	1551	-3915.36	223.7458	-14.6606	2.631563	-37.2212	-1417.02
1551_1551	1551	1551	3919.499	-133.294	9.372563	-1.60781	36.2985	1417.046
1551_1552	1551	1552	-3913.35	146.9016	-9.37256	1.607813	-115.244	-2597.09
1552_1552	1552	1552	3934.574	7.138688	-0.09844	-3.00563	115.2729	2594.819
1552_1553	1552	1553	-3925.21	16.00069	0.098438	3.005625	-113.89	-2657.2
1553_1553	1553	1553	3937.21	130.3864	-12.8336	-3.71963	113.4328	2654.401
1553_1554	1553	1554	-3932.97	-118.637	12.83363	3.719625	-23.0239	-1777.24
1554_1554	1554	1554	3928.605	219.702	-17.4392	-2.18663	22.21669	1777.252
1554_1555	1554	1555	-3924.67	-207.842	17.43919	2.186625	100.7029	-270.487
1555_1555	1555	1555	3912.148	341.8511	-36.4849	-1.94119	-97.6133	268.4732
1555_1556	1555	1556	-3906.85	-323.735	36.48488	1.941188	486.045	3274.533
1556_1556	1556	1556	3896.228	432.3546	-45.3167	3.938813	-483.903	-3274.85
1556_1557	1556	1557	-3894.69	-426.481	45.31669	-3.93881	639.1022	4745.501
1557_1557	1557	1557	3861.951	459.7058	30.9015	10.24669	-637.887	-4745.04
1557_1291	1557	1291	-3859.5	-450.075	-30.9015	-10.2467	464.6841	7367.642
41000_1000	41000	1000	-3.4965	510.4667	-0.66806	-11.0171	0	-16.5926
41000_1001	41000	1001	3.4965	-445.205	0.668063	11.01713	11.35838	8142.444
41001_1001	41001	1001	-3.49519	445.2053	-0.67463	4.983563	-11.3584	-8142.45
41001_1002	41001	1002	3.495188	-403.553	0.674625	-4.98356	18.68213	12748.34
41002_1002	41002	1002	-3.4125	372.9587	2.2155	-10.3976	-18.6821	-12747.4
41002_1003	41002	1003	3.4125	-326.167	-2.2155	10.39763	-8.32913	17009.56
41003_1003	41003	1003	-3.41381	326.1668	2.212875	3.468938	8.329125	-17009.6
41003_1004	41003	1004	3.413813	-279.371	-2.21288	-3.46894	-35.3076	20701.48
41004_1004	41004	1004	-3.46106	247.4745	0.380625	-12.3585	35.30756	-20699.9
41004_1005	41004	1005	3.461063	-200.666	-0.38063	12.3585	-39.9512	23432.91
41005_1005	41005	1005	-3.46106	200.6655	0.378	6.729188	39.95119	-23432.9
41005_1006	41005	1006	3.461063	-153.853	-0.378	-6.72919	-44.5594	25595.17
41006_1006	41006	1006	-3.46763	118.0187	0.077438	-12.3743	44.55938	-25593.7
41006_1007	41006	1007	3.467625	-71.2294	-0.07744	12.37425	-45.5109	26747.32
41007_1007	41007	1007	-3.46763	71.22938	0.074813	9.415875	45.51094	-26747.3
41007_1008	41007	1008	3.467625	-24.4361	-0.07481	-9.41588	-46.4297	27330.55
41008_1008	41008	1008	-3.46369	-12.831	0.473813	-9.58256	46.42969	-27329.6
41008_1009	41008	1009	3.463688	59.59931	-0.47381	9.582563	-52.2086	26888.21
41009_1009	41009	1009	-3.46369	-59.5993	0.471188	9.681	52.20863	-26888.2
41009_1010	41009	1010	3.463688	106.4109	-0.47119	-9.681	-57.9626	25875.74
41010_1010	41010	1010	-3.46763	-143.444	0.0105	-19.2006	57.96263	-25875.3
41010_1011	41010	1011	3.467625	190.2272	-0.0105	19.20056	-58.0873	23841.52
41011_1011	41011	1011	-3.46763	-190.227	0.003938	22.02638	58.08731	-23841.5
41011_1012	41011	1012	3.467625	236.9811	-0.00394	-22.0264	-58.1372	21239.24
41012_1012	41012	1012	-3.46763	-273.768	-0.74419	9.457875	58.13719	-21239.2
41012_1013	41012	1013	3.467625	320.5637	0.744188	-9.45788	-49.0704	17615.59
41013_1013	41013	1013	-3.46894	-320.564	-0.74025	-4.87856	49.07044	-17615.6
41013_1014	41013	1014	3.468938	367.3556	0.74025	4.878563	-40.0378	13421.82
41014_1014	41014	1014	-3.46894	-403.988	0.616875	6.385313	40.03781	-13421.8

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41014_1015	41014	1015	3.468938	468.2055	-0.61688	-6.38531	-50.3711	6124.367
41015_1015	41015	1015	1.85325	-468.215	0.622125	-2.63813	50.34488	-6126.52
41015_1016	41015	1016	-2.18925	497.7998	-0.62213	2.638125	-55.4768	2141.72
41016_1016	41016	1016	13.46363	-523.014	5.011125	-0.09975	42.66019	-3292.59
41016_1017	41016	1017	-14.8549	565.4093	-5.01113	0.09975	-101.539	-3287.26
41017_1017	41017	1017	30.70725	-564.77	5.016375	1.715438	101.7804	3287.255
41017_1018	41017	1018	-33.8336	616.098	-5.01638	-1.71544	-168.383	-11156.6
41018_1018	41018	1018	53.42925	-639.589	-4.14619	-12.915	167.4829	11156.4
41018_1019	41018	1019	-57.9613	690.3934	4.146188	12.915	-115.461	-19469.9
41019_1019	41019	1019	76.9545	-688.535	-4.14094	16.11488	118.8311	19469.92
41019_1020	41019	1020	-83.2834	742.6046	4.140938	-16.1149	-66.7052	-28281.3
41020_1020	41020	1020	-2807.76	194.1529	-5.48625	-4.14356	189.3504	4669.089
41020_1021	41020	1021	2807.762	-159.033	5.48625	4.143563	-137.219	-2990.98
41021_1021	41021	1021	-2807.77	159.033	-2.21419	-0.65888	137.2193	2990.98
41021_1022	41021	1022	2807.766	-133.154	2.214188	0.658875	-120.056	-1858.74
41022_1022	41022	1022	-2807.77	133.1544	1.384688	1.723313	120.0557	1858.736
41022_1023	41022	1023	2807.766	-107.281	-1.38469	-1.72331	-130.789	-927.17
41023_1023	41023	1023	-2807.72	82.74656	-13.8771	-0.62869	130.7893	927.1592
41023_1024	41023	1024	2807.717	-56.0359	13.87706	0.628688	-19.7768	-372.05
41024_1024	41024	1024	-2807.72	56.03588	-13.8771	-0.62869	19.77675	372.0504
41024_1025	41024	1025	2807.717	-29.3252	13.87706	0.628688	91.2345	-30.6193
41025_1025	41025	1025	-2807.73	29.32519	-10.3884	-0.59063	-91.2345	30.61931
41025_1026	41025	1026	2807.733	-2.61844	10.38844	0.590625	174.3289	97.13025
41026_1026	41026	1026	-2807.74	-20.6771	-6.59269	-0.58013	-174.329	-97.1303
41026_1027	41026	1027	2807.737	40.69931	6.592688	0.580125	213.8574	-86.8901
41027_1027	41027	1027	-2807.74	-40.6993	-1.43063	-0.42131	-213.857	86.89144
41027_1028	41027	1028	2807.743	60.75038	1.430625	0.421313	222.4464	-391.51
41028_1028	41028	1028	-2807.74	-60.7504	-1.93725	-0.49088	-222.446	391.5096
41028_1029	41028	1029	2807.743	80.76994	1.93725	0.490875	234.0621	-815.741
41029_1029	41029	1029	-2807.74	-80.7699	-1.43063	-0.34388	-234.062	815.7411
41029_1030	41029	1030	2807.743	100.821	1.430625	0.343875	242.6511	-1360.99
41030_1030	41030	1030	-2807.73	-123.635	10.20338	-0.35438	-242.651	1360.997
41030_1031	41030	1031	2807.728	150.3311	-10.2034	0.354375	161.0726	-2456.22
41031_1031	41031	1031	-2807.73	-150.331	10.57613	-0.02756	-161.073	2456.223
41031_1032	41031	1032	2807.726	177.0615	-10.5761	0.027563	76.4085	-3766.65
41032_1032	41032	1032	-2807.73	-177.062	10.20338	-0.52763	-76.4085	3766.655
41032_1033	41032	1033	2807.728	203.7578	-10.2034	0.527625	-5.16994	-5289.04
41033_1033	41033	1033	-2807.8	-226.288	-7.72538	-32.5001	5.169938	5289.202
41033_1034	41033	1034	2807.8	252.1733	7.725375	32.50013	54.72075	-7143.82
41034_1034	41034	1034	-2807.81	-252.173	-4.12256	-23.3349	-54.7208	7143.856
41034_1035	41034	1035	2807.808	278.0558	4.122563	23.33494	86.68013	-9198.86
41035_1035	41035	1035	-2807.72	-278.056	22.7955	64.85588	-86.6801	9198.663
41035_1036	41035	1036	2807.717	313.1717	-22.7955	-64.8559	-129.918	-12247.7
41036_1036	41036	1036	14.6055	604.9089	3.043688	-13.8994	-14.6777	38287.23
41036_1037	41036	1037	-8.27663	-550.848	-3.04369	13.89938	-23.6342	-30872.2
41037_1037	41037	1037	-6.93	550.8668	3.088313	9.472313	21.09975	30872.2
41037_1038	41037	1038	11.46206	-500.043	-3.08831	-9.47231	-59.8579	-24148.9
41038_1038	41038	1038	-26.7081	481.7334	-4.31419	-4.08319	60.82388	24150.1
41038_1039	41038	1039	29.83444	-430.45	4.314188	4.083188	-3.59231	-18157.5
41039_1039	41039	1039	-71.1047	338.2155	-1.13925	-0.83475	33.4845	2549.894
41039_1040	41039	1040	72.49856	-295.71	1.13925	0.83475	-20.0931	1301.375
41040_1040	41040	1040	-79.0886	268.7344	-0.315	-0.11025	20.05763	-1301.46
41040_1041	41040	1041	79.42331	-239.233	0.315	0.11025	-17.4602	3547.555
41041_1041	41041	1041	-82.1376	238.3159	-0.29531	-1.08938	17.45756	-3547.56
41041_1042	41041	1042	82.13756	-185.943	0.295313	1.089375	-12.6354	6806.255
41042_1042	41042	1042	-82.1363	155.2044	-0.05644	2.936063	12.63544	-6806.46
41042_1043	41042	1043	82.13625	-116.729	0.056438	-2.93606	-11.9543	8435.468
41043_1043	41043	1043	-82.1363	116.7285	0.011813	-4.08056	11.95425	-8435.47
41043_1044	41043	1044	82.13625	-78.2565	-0.01181	4.080563	-12.0908	9603.443

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41044_1044	41044	1044	-82.1349	45.42956	0.244125	3.866625	12.09075	-9603.71
41044_1045	41044	1045	82.13494	-6.96281	-0.24413	-3.86663	-15.0137	9917.507
41045_1045	41045	1045	-82.1349	6.962813	0.312375	-4.38638	15.01369	-9917.51
41045_1046	41045	1046	82.13494	31.50263	-0.31238	4.386375	-18.753	9770.545
41046_1046	41046	1046	-82.1441	-65.6552	-0.24281	3.482063	18.753	-9770.85
41046_1047	41046	1047	82.14413	104.1469	0.242813	-3.48206	-15.8419	8753.22
41047_1047	41047	1047	-82.1441	-104.147	-0.17981	-3.23794	15.84188	-8753.22
41047_1048	41047	1048	82.14413	142.6044	0.179813	3.237938	-13.6894	7275.752
41048_1048	41048	1048	-82.1428	-175.031	0.018375	4.450688	13.68938	-7275.92
41048_1049	41048	1049	82.14281	213.5188	-0.01838	-4.45069	-13.9112	4947.613
41049_1049	41049	1049	-82.1428	-213.519	0.149625	-3.4755	13.91119	-4947.61
41049_1050	41049	1050	82.14281	251.9685	-0.14963	3.4755	-15.7093	2160.949
41050_1050	41050	1050	-82.1454	-282.244	-0.04331	-0.29006	15.70931	-2161.02
41050_1051	41050	1051	82.14544	334.5681	0.043312	0.290063	-14.994	-3236.32
41051_1051	41051	1051	-78.3353	-335.48	0.074812	3.682875	15.036	3236.314
41051_1052	41051	1052	78.02419	362.7343	-0.07481	-3.68288	-15.6542	-6085.62
41052_1052	41052	1052	-69.4286	-388.984	1.14975	-2.95575	15.52294	6085.627
41052_1053	41052	1053	68.14238	428.2163	-1.14975	2.95575	-29.0325	-10860.3
41053_1053	41053	1053	-59.5914	-431.362	3.484688	8.679563	33.1065	11149.96
41053_1054	41053	1054	56.50575	481.8818	-3.48469	-8.67956	-79.3682	-17392
41054_1054	41054	1054	-41.0799	-504.131	-2.50031	-6.9405	78.38513	17392.12
41054_1055	41054	1055	36.62269	553.9892	2.500313	6.9405	-47.0059	-23757.2
41055_1055	41055	1055	-21.357	-554.787	-2.42681	11.67206	49.13081	23757.15
41055_1056	41055	1056	15.16069	607.6455	2.426813	-11.6721	-18.5601	-30838.2
41056_1056	41056	1056	-2650.37	260.7806	-3.65269	-3.42038	94.01175	8470.025
41056_1057	41056	1057	2650.368	-226.108	3.652688	3.420375	-59.3066	-6157.24
41057_1057	41057	1057	-2650.37	226.1083	-1.75875	1.01325	59.30663	6106.664
41057_1058	41057	1058	2650.369	-198.442	1.75875	-1.01325	-45.6829	-4462.35
41058_1058	41058	1058	-2650.37	198.4421	-1.75875	1.01325	45.68288	4462.346
41058_1059	41058	1059	2650.369	-170.776	1.75875	-1.01325	-32.0591	-3032.34
41059_1059	41059	1059	-2650.47	147.8006	-12.6459	-2.14856	32.05913	3032.379
41059_1060	41059	1060	2650.473	-119.205	12.64594	2.148563	69.18844	-1963.52
41060_1060	41060	1060	-2650.49	119.2052	-9.54844	0.145688	-69.1884	1963.52
41060_1061	41060	1061	2650.486	-90.6478	9.548438	-0.14569	145.5379	-1124.56
41061_1061	41061	1061	-2650.5	90.64781	-6.0375	1.635375	-145.538	1124.561
41061_1062	41061	1062	2650.497	-62.0576	6.0375	-1.63538	193.8668	-513.353
41062_1062	41062	1062	-2650.46	39.74119	-3.96506	-0.32288	-193.867	513.3699
41062_1063	41062	1063	2650.461	-18.3068	3.965063	0.322875	217.6611	-339.183
41063_1063	41063	1063	-2650.46	18.30675	0.1785	0.207375	-217.661	339.1828
41063_1064	41063	1064	2650.464	3.089625	-0.1785	-0.20738	216.594	-293.6
41064_1064	41064	1064	-2650.46	-3.08963	0.443625	0.237563	-216.594	293.5997
41064_1065	41064	1065	2650.464	24.52144	-0.44363	-0.23756	213.9323	-376.446
41065_1065	41065	1065	-2650.46	-24.5214	4.852313	0.863625	-213.932	376.4447
41065_1066	41065	1066	2650.46	45.95194	-4.85231	-0.86363	184.8144	-587.875
41066_1066	41066	1066	-2650.42	-68.4246	6.970688	-0.37406	-184.814	587.8884
41066_1067	41066	1067	2650.419	97.01081	-6.97069	0.374063	129.0161	-1249.94
41067_1067	41067	1067	-2650.41	-97.0108	10.27688	1.185188	-129.016	1249.942
41067_1068	41067	1068	2650.409	125.5944	-10.2769	-1.18519	46.76569	-2140.72
41068_1068	41068	1068	-2650.41	-125.594	10.08656	1.031625	-46.7657	2140.723
41068_1069	41068	1069	2650.41	154.1439	-10.0866	-1.03163	-33.8612	-3258.73
41069_1069	41069	1069	-2650.57	-176.573	4.030688	-0.55125	33.86119	3258.86
41069_1070	41069	1070	2650.574	204.2604	-4.03069	0.55125	-65.1053	-4734.96
41070_1070	41070	1070	-2650.57	-204.26	4.030688	-0.55125	65.10525	4734.961
41070_1071	41070	1071	2650.574	231.9476	-4.03069	0.55125	-96.3493	-6425.69
41071_1071	41071	1071	-2650.57	-231.948	5.889188	4.066125	96.34931	6476.267
41071_1072	41071	1072	2650.57	266.5976	-5.88919	-4.06613	-152.259	-8842.92
41072_1072	41072	1072	-7.92619	606.8396	1.471313	-9.8385	30.74006	31328.49
41072_1073	41072	1073	14.1225	-553.985	-1.47131	9.8385	-49.2739	-24022.9
41073_1073	41073	1073	-29.3659	553.3854	1.531688	6.918188	47.3655	24022.86

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41073_1074	41073	1074	33.82313	-503.537	-1.53169	-6.91819	-66.5766	-17395.1
41074_1074	41074	1074	-49.2043	484.0356	-3.63694	-1.06969	67.11863	17395.69
41074_1075	41074	1075	52.29	-433.536	3.636938	1.069688	-18.8449	-11309
41075_1075	41075	1075	-61.6232	338.9479	-0.82294	-3.507	27.36825	-5134.06
41075_1076	41075	1076	62.88581	-300.435	0.822938	3.507	-17.6951	8893.251
41076_1076	41076	1076	-69.573	274.6905	-0.43181	6.705563	17.49563	-8893.67
41076_1077	41076	1077	69.8775	-247.926	0.431813	-6.70556	-13.9374	11049.45
41077_1077	41077	1077	-72.6915	247.1149	-0.33863	-7.644	14.01356	-11028.3
41077_1078	41077	1078	72.6915	-196.215	0.338625	7.644	-8.99325	14314.83
41078_1078	41078	1078	-72.6836	167.1219	0.370125	6.6885	8.99325	-14315.1
41078_1079	41078	1079	72.68363	-128.492	-0.37013	-6.6885	-13.1618	15978.25
41079_1079	41079	1079	-72.6836	128.4924	0.438375	-8.14013	13.16175	-15978.3
41079_1080	41079	1080	72.68363	-89.8301	-0.43838	8.140125	-18.0915	17207.58
41080_1080	41080	1080	-72.6915	57.89831	-0.17325	7.306688	18.0915	-17208.1
41080_1081	41080	1081	72.6915	-19.2386	0.17325	-7.30669	-16.1451	17642.4
41081_1081	41081	1081	-72.6915	19.23863	-0.10894	-8.34619	16.14506	-17642.4
41081_1082	41081	1082	72.6915	19.41844	0.108938	8.346188	-14.9258	17641.39
41082_1082	41082	1082	-72.6928	-53.2718	-0.07219	13.85344	14.92575	-17641.9
41082_1083	41082	1083	72.69281	94.81369	0.072188	-13.8534	-14.0464	16745.98
41083_1083	41083	1083	-72.6928	-94.8137	0.04725	-13.8036	14.04638	-16746
41083_1084	41083	1084	72.69281	136.3517	-0.04725	13.80356	-14.6186	15347.49
41084_1084	41084	1084	-72.6954	-169.649	-0.16406	12.32963	14.61863	-15347.9
41084_1085	41084	1085	72.69544	208.3003	0.164063	-12.3296	-12.768	13220.31
41085_1085	41085	1085	-72.6954	-208.3	-0.03544	-11.1392	12.768	-13220.3
41085_1086	41085	1086	72.69544	246.9495	0.035438	11.13919	-12.3703	10657.74
41086_1086	41086	1086	-72.6994	-277.266	-0.39113	7.624313	12.37031	-10657.9
41086_1087	41086	1087	72.69938	315.9148	0.391125	-7.62431	-7.97213	7318.978
41087_1087	41087	1087	-72.7007	-315.915	-0.26119	-5.36944	7.972125	-7318.98
41087_1088	41087	1088	72.70069	354.5614	0.261188	5.369438	-5.02688	3545.164
41088_1088	41088	1088	-72.6954	-382.159	0.274313	1.416188	5.026875	-3545.32
41088_1089	41088	1089	72.69544	431.109	-0.27431	-1.41619	-8.94075	-2252.5
41089_1089	41089	1089	-67.7959	-431.906	0.255938	0.66675	8.948625	2231.352
41089_1090	41089	1090	67.47431	460.1612	-0.25594	-0.66675	-11.0618	-6090.81
41090_1090	41090	1090	-56.8378	-484.448	0.7665	-1.61044	11.00663	6090.807
41090_1091	41090	1091	55.50563	525.0276	-0.7665	1.610438	-20.013	-12081.5
41091_1091	41091	1091	-45.2235	-527.373	2.878313	3.927	22.21669	12271.1
41091_1092	41091	1092	42.17063	577.4554	-2.87831	-3.927	-60.4144	-19553
41092_1092	41092	1092	-24.2616	-597.811	-2.07638	-18.6388	58.64119	19553.1
41092_1093	41092	1093	19.85025	647.3027	2.076375	18.63881	-32.5658	-27444.8
41093_1093	41093	1093	-1.91625	-647.605	-1.95563	23.00813	37.02038	27444.78
41093_1094	41093	1094	-4.22231	700.0166	1.955625	-23.0081	-12.4254	-36002.7
41094_1094	41094	1094	-2959.7	234.6028	0.9555	-6.19894	-69.5468	9096.148
41094_1095	41094	1095	2959.705	-200.215	-0.9555	6.198938	60.47081	-6939.93
41095_1095	41095	1095	-2959.7	200.2153	1.75875	-4.3155	-60.4708	6939.934
41095_1096	41095	1096	2959.703	-172.94	-1.75875	4.3155	46.83656	-5493.43
41096_1096	41096	1096	-2959.69	172.9403	9.29775	9.677063	-46.8366	5493.423
41096_1097	41096	1097	2959.69	-145.702	-9.29775	-9.67706	-25.1488	-4259.91
41097_1097	41097	1097	-2959.82	123.8318	-6.11625	-3.33375	25.14881	4260.008
41097_1098	41097	1098	2959.816	-95.6786	6.11625	3.33375	23.79694	-3381.7
41098_1098	41098	1098	-2959.82	95.67863	-2.41894	0.891188	-23.7969	3381.698
41098_1099	41098	1099	2959.821	-67.5255	2.418938	-0.89119	43.15106	-2728.7
41099_1099	41099	1099	-2959.82	67.5255	-2.41894	0.891188	-43.1511	2728.698
41099_1100	41099	1100	2959.821	-39.3737	2.418938	-0.89119	62.50519	-2300.98
41100_1100	41100	1100	-2959.69	18.25819	15.72113	12.41756	-62.5052	2300.899
41100_1101	41100	1101	2959.686	2.856	-15.7211	-12.4176	-31.8399	-2254.68
41101_1101	41101	1101	-2959.69	-2.856	15.6135	12.33619	31.83994	2254.682
41101_1102	41101	1102	2959.686	23.93344	-15.6135	-12.3362	-125.386	-2334.93
41102_1102	41102	1102	-2959.67	-23.9334	-18.7832	-14.7998	125.3858	2334.919
41102_1103	41102	1103	2959.668	45.05288	18.78319	14.79975	-12.6263	-2542

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41103_1103	41103	1103	-2959.7	-45.0529	-13.8548	-10.5669	12.62625	2542.017
41103_1104	41103	1104	2959.695	66.17231	13.85475	10.56694	70.54819	-2875.86
41104_1104	41104	1104	-2959.68	-87.1474	0.20475	-2.93213	-70.5482	2875.856
41104_1105	41104	1105	2959.681	115.2703	-0.20475	2.932125	68.91675	-3684.91
41105_1105	41105	1105	-2959.68	-115.27	4.01625	1.813875	-68.9168	3684.908
41105_1106	41105	1106	2959.678	143.4274	-4.01625	-1.81388	36.77494	-4720.16
41106_1106	41106	1106	-2959.68	-143.427	4.01625	1.813875	-36.7749	4720.162
41106_1107	41106	1107	2959.678	171.5844	-4.01625	-1.81388	4.633125	-5980.77
41107_1107	41107	1107	-2959.72	-192.861	-4.54913	-3.38625	-4.63313	5980.826
41107_1108	41107	1108	2959.724	220.101	4.549125	3.38625	39.85931	-7579.64
41108_1108	41108	1108	-2959.72	-220.101	-4.4415	-3.108	-39.8593	7579.638
41108_1109	41108	1109	2959.724	247.3774	4.4415	3.108	74.29013	-9391.85
41109_1109	41109	1109	-2959.73	-247.377	-1.428	6.45225	-74.2901	9391.847
41109_1110	41109	1110	2959.728	281.7649	1.428	-6.45225	87.86269	-12025.3
41110_1110	41110	1110	-15.456	647.5547	2.134125	-27.111	3.157875	39423.06
41110_1111	41110	1111	21.59456	-595.147	-2.13413	27.111	-29.9959	-31532
41111_1111	41111	1111	-38.0651	594.3197	2.279813	22.44769	24.74325	31532.01
41111_1112	41111	1112	42.47644	-544.833	-2.27981	-22.4477	-53.3702	-24553.8
41112_1112	41112	1112	-58.7173	528.2721	-2.81006	-5.13844	55.56731	24554.33
41112_1113	41112	1113	61.76888	-478.162	2.810063	5.138438	-18.2543	-17915
41113_1113	41113	1113	-63.7967	379.4438	-1.50938	-1.24819	30.51169	822.8674
41113_1114	41113	1114	65.12363	-338.996	1.509375	1.248188	-12.7811	3592.112
41114_1114	41114	1114	-72.6351	313.656	0.039375	8.821313	12.63281	-3592.24
41114_1115	41114	1115	72.954	-285.498	-0.03938	-8.82131	-12.9583	6482.705
41115_1115	41115	1115	-76.1933	284.6498	0.206063	-4.13175	13.05806	-6458.61
41115_1116	41115	1116	76.19325	-236.969	-0.20606	4.13175	-16.0952	9724.37
41116_1116	41116	1116	-76.1933	208.5891	-0.35831	4.648875	16.09519	-9724.38
41116_1117	41116	1117	76.19325	-172.272	0.358313	-4.64888	-12.0619	11867.09
41117_1117	41117	1117	-76.1933	172.2722	-0.29138	-5.89706	12.06188	-11867.1
41117_1118	41117	1118	76.19325	-135.955	0.291375	5.897063	-8.79113	13601.14
41118_1118	41118	1118	-76.1933	105.1733	-0.02363	12.42938	8.791125	-13601.1
41118_1119	41118	1119	76.19325	-68.8262	0.023625	-12.4294	-8.52863	14580.9
41119_1119	41119	1119	-76.1933	68.82619	0.111563	-13.2668	8.528625	-14580.9
41119_1120	41119	1120	76.19325	-32.5106	-0.11156	13.26675	-9.77944	15150.99
41120_1120	41120	1120	-76.1933	-0.95025	-0.31631	6.038813	9.779438	-15151
41120_1121	41120	1121	76.19325	40.00763	0.316313	-6.03881	-5.95219	14903.2
41121_1121	41121	1121	-76.1946	-40.0076	-0.25463	-6.11231	5.952188	-14903.2
41121_1122	41121	1122	76.19456	79.03219	0.254625	6.112313	-2.87963	14183.54
41122_1122	41122	1122	-76.1946	-112.391	-0.15488	5.920688	2.879625	-14183.5
41122_1123	41122	1123	76.19456	148.7351	0.154875	-5.92069	-1.14188	12713.3
41123_1123	41123	1123	-76.1946	-148.735	-0.08794	-5.24869	1.141875	-12713.3
41123_1124	41123	1124	76.19456	185.0481	0.087938	5.248688	-0.1575	10835.66
41124_1124	41124	1124	-76.1946	-215.098	-0.38719	7.899938	0.1575	-10835.7
41124_1125	41124	1125	76.19456	251.4422	0.387188	-7.89994	4.198688	8208.916
41125_1125	41125	1125	-76.1959	-251.442	-0.252	-6.62025	-4.19869	-8208.92
41125_1126	41125	1126	76.19588	287.7538	0.252	6.62025	7.035	5175.841
41126_1126	41126	1126	-76.1959	-314.282	-0.43575	0.80325	-7.035	-5175.85
41126_1127	41126	1127	76.19588	359.3087	0.43575	-0.80325	13.11844	506.0714
41127_1127	41127	1127	-72.1088	-360.151	-0.35175	0.525	-13.1132	-529.293
41127_1128	41127	1128	71.81344	386.0968	0.35175	-0.525	16.01381	-2733.87
41128_1128	41128	1128	-62.8504	-408.433	2.149875	-4.43625	-16.1726	2733.833
41128_1129	41128	1129	61.62581	445.7618	-2.14988	4.43625	-9.10219	-8055.64
41129_1129	41129	1129	-57.8169	-448.756	5.565	11.12475	8.155875	8392.065
41129_1130	41129	1130	54.84806	497.4795	-5.565	-11.1248	-82.0326	-14621.2
41130_1130	41130	1130	-38.9274	-520.213	-11.4083	-8.29106	80.787	14621.13
41130_1131	41130	1131	34.63163	568.3886	11.40825	8.291063	62.38313	-21654.1
41131_1131	41131	1131	-18.984	-569.128	-11.34	10.16138	-60.6309	21654.07
41131_1132	41131	1132	12.99769	620.3059	11.34	-10.1614	203.4638	-29365.8
41132_1132	41132	1132	-2580.7	219.555	45.39938	21.32419	-553.112	6677.842

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41132_1133	41132	1133	2580.704	-186.164	-45.3994	-21.3242	121.8197	-4556.18
41133_1133	41133	1133	-2580.76	186.1637	42.06956	15.4455	-121.82	4556.202
41133_1134	41133	1134	2580.761	-161.172	-42.0696	-15.4455	-204.217	-3210.27
41134_1134	41134	1134	-2581.1	161.1724	2.109188	-34.2563	204.2171	3210.127
41134_1135	41134	1135	2581.103	-136.176	-2.10919	34.25625	-220.568	-2057.74
41135_1135	41135	1135	-2581.12	110.6726	-4.90744	0.392438	220.5683	2058.449
41135_1136	41135	1136	2581.123	-84.8689	4.907438	-0.39244	-181.301	-1276.12
41136_1136	41136	1136	-2581.11	84.86888	-8.13225	-1.20225	181.3009	1276.124
41136_1137	41136	1137	2581.114	-59.0651	8.13225	1.20225	-116.226	-700.259
41137_1137	41137	1137	-2581.12	59.06513	-4.90744	-0.32681	116.2258	700.2594
41137_1138	41137	1138	2581.123	-33.2601	4.907438	0.326813	-76.9584	-330.885
41138_1138	41138	1138	-2581.21	11.4345	-4.87463	-0.22444	76.95844	330.8983
41138_1139	41138	1139	2581.207	7.886813	4.874625	0.224438	-47.7566	-320.274
41139_1139	41139	1139	-2581.21	-7.88681	-0.48038	0.32025	47.75663	320.2736
41139_1140	41139	1140	2581.211	27.23963	0.480375	-0.32025	-44.8718	-425.677
41140_1140	41140	1140	-2581.21	-27.2396	-0.48038	0.32025	44.87175	425.6766
41140_1141	41140	1141	2581.211	46.59375	0.480375	-0.32025	-41.9882	-647.221
41141_1141	41141	1141	-2581.21	-46.5938	-4.78013	-0.75731	41.98819	647.2213
41141_1142	41141	1142	2581.207	65.94656	4.780125	0.757313	-13.2969	-984.92
41142_1142	41142	1142	-2581.23	-88.0622	0.276938	1.273125	13.29694	984.9263
41142_1143	41142	1143	2581.226	113.8659	-0.27694	-1.27313	-15.5177	-1792.81
41143_1143	41143	1143	-2581.23	-113.866	0.276938	1.273125	15.51769	1792.805
41143_1144	41143	1144	2581.226	139.671	-0.27694	-1.27313	-17.7398	-2807.16
41144_1144	41144	1144	-2581.22	-139.671	-2.94788	-2.23388	17.73975	2807.155
41144_1145	41144	1145	2581.224	165.4748	2.947875	2.233875	5.847188	-4028.01
41145_1145	41145	1145	-2581.1	-186.832	-7.28569	-0.98963	-5.84719	4027.99
41145_1146	41145	1146	2581.105	211.7968	7.285688	0.989625	62.25188	-5571.01
41146_1146	41146	1146	-2581.1	-211.797	-7.21744	-0.84	-62.2519	5571.014
41146_1147	41146	1147	2581.105	236.7947	7.217438	0.84	118.1972	-7309.68
41147_1147	41147	1147	-2581.11	-236.795	-5.55319	3.873188	-118.197	7309.679
41147_1148	41147	1148	2581.109	270.1926	5.553188	-3.87319	170.9571	-9718.35
41148_1148	41148	1148	-55.3035	556.1679	0.334688	-11.7062	-8.38425	32289.78
41148_1149	41148	1149	61.29113	-505.02	-0.33469	11.70619	4.176375	-25614.2
41149_1149	41149	1149	-75.1734	503.1403	0.427875	8.406563	-6.28031	25614.16
41149_1150	41149	1150	79.46925	-454.994	-0.42788	-8.40656	0.910875	-19608.3
41150_1150	41150	1150	-93.3096	434.8811	-0.18375	-1.86113	-0.04725	19608.55
41150_1151	41150	1151	96.27844	-386.147	0.18375	1.861125	2.49375	-14160.1
41151_1151	41151	1151	-95.5172	273.3662	-0.35306	-1.41356	-0.79669	-1316.39
41151_1152	41151	1152	96.75881	-235.508	0.353063	1.413563	4.954688	4307.668
41152_1152	41152	1152	-102.043	211.0211	-0.0105	0.391125	-5.00194	-4307.65
41152_1153	41152	1153	102.3422	-184.704	0.0105	-0.39113	5.085938	5940.393
41153_1153	41153	1153	-104.433	183.5295	0.013125	-0.903	-5.082	-5940.39
41153_1154	41153	1154	104.433	-141.014	-0.01313	0.903	4.895625	8170.465
41154_1154	41154	1154	-104.438	115.2848	0.200813	3.930938	-4.89563	-8170.45
41154_1155	41154	1155	104.4383	-81.2464	-0.20081	-3.93094	2.691938	9251.613
41155_1155	41155	1155	-104.438	81.24638	0.295313	-4.47563	-2.69194	-9251.61
41155_1156	41155	1156	104.4383	-47.2093	-0.29531	4.475625	-0.55388	9958.266
41156_1156	41156	1156	-104.434	20.33063	0.006563	4.870688	0.553875	-9958.27
41156_1157	41156	1157	104.4343	10.67588	-0.00656	-4.87069	-0.62344	10006.65
41157_1157	41157	1157	-104.434	-10.6759	0.108938	-4.91269	0.623438	-10006.6
41157_1158	41157	1158	104.4343	41.64956	-0.10894	4.912688	-1.71413	9744.713
41158_1158	41158	1158	-104.437	-67.8038	0.140438	4.5465	1.714125	-9744.71
41158_1159	41158	1159	104.4369	98.80894	-0.14044	-4.5465	-3.11719	8909.804
41159_1159	41159	1159	-104.437	-98.8089	0.2415	-4.16456	3.117188	-8909.8
41159_1160	41159	1160	104.4369	129.7826	-0.2415	4.164563	-5.54006	7765.476
41160_1160	41160	1160	-104.432	-156.026	-0.11025	0.429188	5.540063	-7765.53
41160_1161	41160	1161	104.4317	190.0644	0.11025	-0.42919	-4.32469	5861.615
41161_1161	41161	1161	-104.432	-190.064	-0.11025	0.429188	4.324688	-5861.61
41161_1162	41161	1162	104.4317	224.1028	0.11025	-0.42919	-3.10931	3583.201

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41162_1162	41162	1162	-104.445	-248.983	0.555188	0.653625	3.109313	-3583.16
41162_1163	41162	1163	104.4448	291.4984	-0.55519	-0.65363	-10.7323	-132.023
41163_1163	41163	1163	-101.126	-292.667	0.531563	0.502688	10.73888	132.023
41163_1164	41163	1164	100.8276	318.9834	-0.53156	-0.50269	-15.12	-2680.94
41164_1164	41164	1164	-93.2584	-342.488	0.013125	1.043438	15.15544	2680.945
41164_1165	41164	1165	92.01675	380.3454	-0.01313	-1.04344	-15.3156	-6972.66
41165_1165	41165	1165	-87.8233	-385.169	1.850625	0.536813	5.925938	7428.502
41165_1166	41165	1166	84.87413	433.5739	-1.85063	-0.53681	-30.4959	-12916
41166_1166	41166	1166	-70.7018	-456.863	-1.09331	-6.34856	29.96044	12916
41166_1167	41166	1167	66.4335	504.6983	1.093313	6.348563	-16.2501	-19003.7
41167_1167	41167	1167	-52.5105	-506.336	-1.00275	8.461688	17.85525	19003.7
41167_1168	41167	1168	46.55963	557.1733	1.00275	-8.46169	-5.23556	-25505.7
41168_1168	41168	1168	-2333.46	238.1348	1.568438	-1.91625	-36.6398	6652.052
41168_1169	41168	1169	2333.46	-204.974	-1.56844	1.91625	21.73894	-4546.82
41169_1169	41169	1169	-2333.46	204.9744	2.518688	-0.06431	-21.7389	4546.815
41169_1170	41169	1170	2333.46	-179.866	-2.51869	0.064312	2.2155	-3055.24
41170_1170	41170	1170	-2333.46	179.8663	2.518688	-0.06431	-2.2155	3055.239
41170_1171	41170	1171	2333.46	-154.76	-2.51869	0.064312	-17.3079	-1758.29
41171_1171	41171	1171	-2333.38	132.5139	0.33075	0.376688	17.30794	1758.272
41171_1172	41171	1172	2333.384	-106.597	-0.33075	-0.37669	-19.9553	-801.64
41172_1172	41172	1172	-2333.38	106.5973	-2.646	-0.64575	19.95525	801.6383
41172_1173	41172	1173	2333.382	-80.7109	2.646	0.64575	1.197	-53.1733
41173_1173	41173	1173	-2333.38	80.71088	0.33075	-0.57881	-1.197	53.17463
41173_1174	41173	1174	2333.384	-54.7943	-0.33075	0.578813	-1.45163	488.9588
41174_1174	41174	1174	-2333.4	31.54988	1.177313	-0.26644	1.451625	-488.952
41174_1175	41174	1175	2333.399	-12.1118	-1.17731	0.266438	-8.51288	619.962
41175_1175	41175	1175	-2333.4	12.11175	-2.71031	0.7665	8.512875	-619.962
41175_1176	41175	1176	2333.398	7.326375	2.710313	-0.7665	7.755563	634.3208
41176_1176	41176	1176	-2333.4	-7.32638	1.177313	-0.29006	-7.75556	-634.322
41176_1177	41176	1177	2333.399	26.7645	-1.17731	0.290063	0.693	532.0284
41177_1177	41177	1177	-2333.4	-26.7645	1.177313	-0.29006	-0.693	-532.028
41177_1178	41177	1178	2333.399	46.20263	-1.17731	0.290063	-6.36825	313.0864
41178_1178	41178	1178	-2333.41	-69.3486	-1.32825	-0.084	6.36825	-313.09
41178_1179	41178	1179	2333.408	95.23369	1.32825	0.084	4.245938	-344.563
41179_1179	41179	1179	-2333.41	-95.2337	1.649813	0.355688	-4.24594	344.5628
41179_1180	41179	1180	2333.408	121.1503	-1.64981	-0.35569	-8.95388	-1210.27
41180_1180	41180	1180	-2333.41	-121.15	1.649813	0.355688	8.953875	1210.272
41180_1181	41180	1181	2333.408	147.0669	-1.64981	-0.35569	-22.1524	-2283.36
41181_1181	41181	1181	-2333.34	-169.374	-3.59494	1.211438	22.15238	2283.404
41181_1182	41181	1182	2333.336	194.4823	3.594938	-1.21144	5.715938	-3693.65
41182_1182	41182	1182	-2333.34	-194.482	-3.59494	1.211438	-5.71594	3693.647
41182_1183	41182	1183	2333.336	219.5891	3.594938	-1.21144	33.58556	-5298.51
41183_1183	41183	1183	-2333.33	-219.589	-4.54519	-0.94631	-33.5856	5298.513
41183_1184	41183	1184	2333.334	252.7508	4.545188	0.946313	76.77863	-7693.47
41184_1184	41184	1184	-62.8005	528.7971	0.791438	6.889313	-17.0048	27090.68
41184_1185	41184	1185	68.75138	-478.001	-0.79144	-6.88931	7.053375	-20838.2
41185_1185	41185	1185	-81.9683	475.9125	0.694313	-8.70975	-5.45213	20838.24
41185_1186	41185	1186	86.23519	-428.038	-0.69431	8.70975	-3.26025	-15143.1
41186_1186	41186	1186	-99.3379	406.4996	-0.88594	-0.903	2.533125	15143.12
41186_1187	41186	1187	102.2858	-358.095	0.885938	0.903	9.220313	-10245.9
41187_1187	41187	1187	-110.758	245.9153	-0.17719	-1.12088	8.291063	-6086.7
41187_1188	41187	1188	112.0271	-207.245	0.177188	1.120875	-6.20288	8963.509
41188_1188	41188	1188	-116.698	181.9073	-0.19819	-3.36525	6.201563	-8963.59
41188_1189	41188	1189	117.0028	-155.052	0.198188	3.36525	-4.56488	9688.204
41189_1189	41189	1189	-118.759	153.7108	-0.25331	1.073625	4.526813	-9705.82
41189_1190	41189	1190	118.7589	-108.374	0.253313	-1.07363	-1.04475	11508.06
41190_1190	41190	1190	-118.766	81.39075	0.2205	-6.10313	1.04475	-11508
41190_1191	41190	1191	118.7655	-45.1224	-0.2205	6.103125	-3.46763	12203.91
41191_1191	41191	1191	-118.766	45.12244	0.112875	4.986188	3.467625	-12203.9

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41191_1192	41191	1192	118.7655	-8.85281	-0.11288	-4.98619	-4.70269	12500.83
41192_1192	41192	1192	-118.764	-19.3568	0.044625	5.844563	4.702688	-12500.8
41192_1193	41192	1193	118.7642	52.69163	-0.04463	-5.84456	-5.15419	12136.51
41193_1193	41193	1193	-118.764	-52.6916	0.16275	-6.15563	5.154188	-12136.5
41193_1194	41193	1194	118.7642	86.02519	-0.16275	6.155625	-6.7935	11435.15
41194_1194	41194	1194	-118.762	-113.185	-0.06956	0.244125	6.7935	-11435.3
41194_1195	41194	1195	118.7616	146.5196	0.069563	-0.24413	-6.08606	10122.18
41195_1195	41195	1195	-118.762	-146.52	-0.06956	0.244125	6.086063	-10122.2
41195_1196	41195	1196	118.7616	179.8558	0.069563	-0.24413	-5.37863	8471.993
41196_1196	41196	1196	-118.762	-207.946	0.024938	-2.20894	5.378625	-8471.88
41196_1197	41196	1197	118.7616	244.2143	-0.02494	2.208938	-5.65031	5984.507
41197_1197	41197	1197	-118.762	-244.214	-0.08531	3.342938	5.650313	-5984.51
41197_1198	41197	1198	118.7616	280.4511	0.085313	-3.34294	-4.71056	3100.836
41198_1198	41198	1198	-118.775	-307.113	0.484313	0.983063	4.710563	-3100.85
41198_1199	41198	1199	118.7747	352.4496	-0.48431	-0.98306	-11.3728	-1477.62
41199_1199	41199	1199	-114.685	-353.803	0.455438	0.63525	11.382	1512.825
41199_1200	41199	1200	114.3608	381.7931	-0.45544	-0.63525	-15.1423	-4638.98
41200_1200	41200	1200	-105.215	-408.203	0.946313	1.86375	15.204	4639.005
41200_1201	41200	1201	103.8713	448.4458	-0.94631	-1.86375	-26.3248	-9826.17
41201_1201	41201	1201	-92.7741	-453.664	4.521563	0.765188	23.71031	10218.47
41201_1202	41201	1202	89.51513	506.3953	-4.52156	-0.76519	-83.7034	-16613.5
41202_1202	41202	1202	-72.6298	-534.779	-3.34163	2.365125	84.04856	16613.77
41202_1203	41202	1203	67.94025	586.7728	3.341625	-2.36513	-42.105	-23558.3
41203_1203	41203	1203	-51.6797	-588.429	-3.34163	1.199625	42.15488	23558.26
41203_1204	41203	1204	45.18544	643.3862	3.341625	-1.19963	-0.09056	-31386.3
41204_1204	41204	1204	-2783.9	252.6169	7.926188	1.70625	-80.955	8116.937
41204_1205	41204	1205	2783.897	-216.326	-7.92619	-1.70625	5.642438	-5808.65
41205_1205	41205	1205	-2783.9	216.3263	6.057188	-2.93738	-5.64244	5467.388
41205_1206	41205	1206	2783.9	-188.699	-6.05719	2.937375	-41.2453	-3899.61
41206_1206	41206	1206	-2783.9	188.6994	6.130688	-2.83369	41.24531	3899.606
41206_1207	41206	1207	2783.9	-161.039	-6.13069	2.833688	-88.7696	-2544.08
41207_1207	41207	1207	-2783.52	135.4526	-9.51694	-1.87556	88.76963	2544.15
41207_1208	41207	1208	2783.521	-106.899	9.516938	1.875563	-12.6144	-1574.52
41208_1208	41208	1208	-2783.53	106.8992	-6.03881	0.090562	12.61444	1574.524
41208_1209	41208	1209	2783.53	-78.3458	6.038813	-0.09056	35.70919	-833.399
41209_1209	41209	1209	-2783.53	78.34575	-6.03881	0.090562	-35.7092	833.3994
41209_1210	41209	1210	2783.53	-49.791	6.038813	-0.09056	84.03413	-320.75
41210_1210	41210	1210	-2783.7	25.44544	-4.23675	-0.24019	-84.0341	320.7553
41210_1211	41210	1211	2783.696	-4.03069	4.23675	0.240188	109.4638	-232.306
41211_1211	41211	1211	-2783.7	4.030688	0.400313	0.147	-109.464	232.3073
41211_1212	41211	1212	2783.7	17.38538	-0.40031	-0.147	107.0633	-272.379
41212_1212	41212	1212	-2783.7	-17.3854	0.307125	0.137813	-107.063	272.3792
41212_1213	41212	1213	2783.7	38.76469	-0.30713	-0.13781	105.2231	-440.581
41213_1213	41213	1213	-2783.7	-38.7647	-4.23675	-0.58144	-105.223	440.5813
41213_1214	41213	1214	2783.696	60.18075	4.23675	0.581438	130.6528	-737.486
41214_1214	41214	1214	-2783.88	-84.5408	7.394625	0.490875	-130.653	737.4819
41214_1215	41214	1215	2783.876	113.0942	-7.39463	-0.49088	71.48794	-1528.18
41215_1215	41215	1215	-2783.88	-113.094	3.915188	-1.41881	-71.4879	1528.178
41215_1216	41215	1216	2783.883	141.6489	-3.91519	1.418813	40.15594	-2547.38
41216_1216	41216	1216	-2783.88	-141.649	7.394625	1.764	-40.1559	2547.377
41216_1217	41216	1217	2783.876	170.2024	-7.39463	-1.764	-19.0089	-3795.03
41217_1217	41217	1217	-2783.63	-195.135	-3.8535	-0.34519	19.00894	3795.037
41217_1218	41217	1218	2783.627	222.7969	3.8535	0.345188	10.86619	-5414.87
41218_1218	41218	1218	-2783.63	-222.797	-3.92831	-0.48956	-10.8662	5414.868
41218_1219	41218	1219	2783.627	250.4224	3.928313	0.489563	41.27944	-7246.62
41219_1219	41219	1219	-2783.63	-250.422	-2.05931	4.125188	-41.2794	7587.843
41219_1220	41219	1220	2783.629	286.7143	2.059313	-4.12519	60.84356	-10139.8
41220_1220	41220	1220	-32.676	614.0374	3.888938	-66.4007	12.33356	33782.64
41220_1221	41220	1221	39.17025	-559.084	-3.88894	66.40069	-61.299	-26402

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41221_1221	41221	1221	-54.6026	557.7849	4.391625	58.1175	48.05588	26402.04
41221_1222	41221	1222	59.29219	-505.798	-4.39163	-58.1175	-103.172	-19927.1
41222_1222	41222	1222	-74.3676	488.2172	-5.08856	-4.63444	108.4676	19924.96
41222_1223	41222	1223	77.6265	-435.455	5.088563	4.634438	-40.9133	-13734.6
41223_1223	41223	1223	-92.1257	321.3525	-0.62475	-5.49806	13.37831	-2701.04
41223_1224	41223	1224	93.49725	-280.317	0.62475	5.498063	-6.03225	6458.968
41224_1224	41224	1224	-99.9311	249.2858	0.149625	16.49419	5.65425	-6458.53
41224_1225	41224	1225	100.2619	-220.739	-0.14963	-16.4942	-6.88669	8149.034
41225_1225	41225	1225	-102.811	219.5616	0.523688	-13.3468	7.078313	-8163.37
41225_1226	41225	1226	102.8108	-160.688	-0.52369	13.34681	-15.6752	11283.33
41226_1226	41226	1226	-102.795	125.0314	0.211313	30.31875	15.67519	-11281.5
41226_1227	41226	1227	102.795	-80.7581	-0.21131	-30.3188	-18.2844	12551.25
41227_1227	41227	1227	-102.792	80.75813	0.711375	-30.8031	18.28444	-12551.2
41227_1228	41227	1228	102.7924	-36.5203	-0.71138	30.80306	-27.0638	13274.31
41228_1228	41228	1228	-102.77	-0.42656	0.431813	21.4935	27.06375	-13271.1
41228_1229	41228	1229	102.7701	44.70113	-0.43181	-21.4935	-32.3899	12992.61
41229_1229	41229	1229	-102.767	-44.7011	0.7665	-20.7834	32.38988	-12992.6
41229_1230	41229	1230	102.7674	88.94288	-0.7665	20.78344	-41.8359	12168.58
41230_1230	41230	1230	-102.703	-125.466	-0.09581	17.44575	41.83594	-12164.1
41230_1231	41230	1231	102.7031	169.7115	0.095812	-17.4458	-40.6508	10343.89
41231_1231	41231	1231	-102.703	-169.712	0.238875	-16.2973	40.65075	-10343.9
41231_1232	41231	1232	102.7031	213.9257	-0.23888	16.29731	-43.5947	7979.988
41232_1232	41232	1232	-102.764	-246.237	2.029125	13.02	43.59469	-7977.68
41232_1233	41232	1233	102.7635	281.6966	-2.02913	-13.02	-63.6444	5368.717
41233_1233	41233	1233	-102.757	-281.697	2.355938	-4.07269	63.64444	-5368.73
41233_1234	41233	1234	102.7569	322.8658	-2.35594	4.072688	-90.6793	1956.95
41234_1234	41234	1234	-100.946	-323.433	2.81925	-13.1513	90.60713	-1956.91
41234_1235	41234	1235	100.8814	334.9369	-2.81925	13.15125	-99.4652	891.5927
41235_1235	41235	1235	-77.7669	-353.968	1.434563	-1.98319	114.093	-1518.04
41235_1236	41235	1236	76.99125	380.5896	-1.43456	1.983188	-124.348	-1174.17
41236_1236	41236	1236	-78.1239	-380.359	1.615688	0.757313	124.4158	1174.167
41236_1237	41236	1237	77.17106	416.8658	-1.61569	-0.75731	-140.123	-5075.63
41237_1237	41237	1237	-66.5057	-418.698	1.8585	10.99744	140.8103	5075.598
41237_1238	41237	1238	65.40188	440.0524	-1.8585	-10.9974	-149.693	-7148.51
41238_1238	41238	1238	-56.7643	-465.235	8.008875	-16.3314	148.1563	7145.827
41238_1239	41238	1239	53.41613	514.1561	-8.00888	16.33144	-234.214	-12458.7
41239_1239	41239	1239	-41.1416	-515.278	8.264813	13.60538	237.0401	12458.63
41239_1240	41239	1240	36.37331	566.8688	-8.26481	-13.6054	-327.687	-18450.3
41240_1240	41240	1240	-14.1474	-602.193	-39.8213	-30.03	323.7531	18442.19
41240_1241	41240	1241	7.264688	660.7086	39.82125	30.03	150.7328	-25780.5
41241_1241	41241	1241	-2592.04	304.6798	-11.2258	21.94894	397.5969	6510.63
41241_1242	41241	1242	2592.037	-263.223	11.22581	-21.9489	-290.916	-3812.19
41242_1242	41242	1242	-2592.05	263.2232	-8.35538	26.16994	290.9156	3812.164
41242_1243	41242	1243	2592.047	-249.631	8.355375	-26.1699	-264.474	-3000.68
41243_1243	41243	1243	-2589.17	223.4111	-42.8348	-4.99144	264.474	2997.95
41243_1244	41243	1244	2589.174	-183.833	42.83475	4.991438	130.2144	-1121.75
41244_1244	41244	1244	-2589.3	183.8327	-34.3809	-1.32825	-130.214	1121.761
41244_1245	41244	1245	2589.3	-139.126	34.38094	1.32825	488.0544	558.8979
41245_1245	41245	1245	-2589.86	119.007	-19.8004	1.568438	-488.054	-558.586
41245_1246	41245	1246	2589.86	-77.133	19.80038	-1.56844	681.072	1514.624
41246_1246	41246	1246	-2589.91	77.133	-11.4319	-3.32588	-681.072	-1514.62
41246_1247	41246	1247	2589.91	-34.6907	11.43188	3.325875	794.0323	2067.076
41247_1247	41247	1247	-2590.07	10.059	-0.19556	2.774625	-794.032	-2066.24
41247_1248	41247	1248	2590.065	28.9485	0.195563	-2.77463	795.8121	1980.473
41248_1248	41248	1248	-2590.06	-28.9485	4.89825	-1.12088	-795.812	-1980.48
41248_1249	41248	1249	2590.06	74.20613	-4.89825	1.120875	744.2019	1437.059
41249_1249	41249	1249	-2588.53	-100.383	-13.9729	1.964813	-744.202	-1436.62
41249_1250	41249	1250	2588.532	144.7898	13.97288	-1.96481	888.6544	169.3283
41250_1250	41250	1250	-2588.57	-144.79	-3.57788	1.284938	-888.654	-169.335

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41250_1251	41250	1251	2588.568	184.6845	3.577875	-1.28494	921.8843	-1360.73
41251_1251	41251	1251	-2592.36	-221.714	82.43944	-6.49425	-921.884	1360.2
41251_1252	41251	1252	2592.359	265.2379	-82.4394	6.49425	86.57381	-3827.21
41252_1252	41252	1252	-2592.1	-265.238	90.321	5.142375	-86.5738	3827.209
41252_1253	41252	1253	2592.096	313.3843	-90.321	-5.14238	-925.799	-7140.7
41253_1253	41253	1253	-2592.16	-313.384	88.46906	0.093188	925.7994	7140.696
41253_1254	41253	1254	2592.16	327.1721	-88.4691	-0.09319	-1205.43	-8163.13
41254_1254	41254	1254	-2585.63	-364.749	-48.0638	-52.1023	1205.428	8159.339
41254_1255	41254	1255	2585.634	392.3798	48.06375	52.10231	-900.993	-10581.1
41255_1255	41255	1255	-20.8058	561.7526	-67.3129	-0.66938	895.9598	30710.4
41255_1256	41255	1256	25.69744	-521.58	67.31288	0.669375	-349.262	-26268.1
41256_1256	41256	1256	-34.5174	521.0927	-67.137	44.89669	343.812	26268.15
41256_1257	41256	1257	38.17538	-486.222	67.137	-44.8967	144.2621	-22794.1
41257_1257	41257	1257	-52.0354	468.4234	18.17944	-31.9922	-136.563	22789.21
41257_1258	41257	1258	56.16581	-420.092	-18.1794	31.99219	-52.1968	-18262.9
41258_1258	41258	1258	-66.6527	418.5431	18.4485	18.60206	48.25275	18262.93
41258_1259	41258	1259	70.08619	-361.501	-18.4485	-18.6021	-281.474	-13314.3
41259_1259	41259	1259	-147.256	343.8658	2.313938	10.19156	5.180438	-4341.88
41259_1260	41259	1260	148.6485	-303.289	-2.31394	-10.1916	-29.5929	7891.919
41260_1260	41260	1260	-155.235	299.9679	2.668313	-7.37625	30.0195	-7891.92
41260_1261	41260	1261	155.6835	-263.902	-2.66831	7.37625	-55.2392	10253.03
41261_1261	41261	1261	-158.95	261.9461	2.748375	-12.5029	55.14338	-10212.7
41261_1262	41261	1262	158.9503	-250.071	-2.74838	12.50288	-63.8466	11023.59
41262_1262	41262	1262	-158.87	213.0017	-0.21263	24.60938	63.84656	-11021.9
41262_1263	41262	1263	158.8703	-171.322	0.212625	-24.6094	-61.4906	13157.8
41263_1263	41263	1263	-158.869	171.3219	0.343875	-21.4659	61.49063	-13157.8
41263_1264	41263	1264	158.8689	-126.571	-0.34388	21.46594	-65.5988	14935.39
41264_1264	41264	1264	-158.873	88.16719	1.31775	29.18606	65.59875	-14933.9
41264_1265	41264	1265	158.8729	-44.7563	-1.31775	-29.1861	-80.8592	15703.35
41265_1265	41265	1265	-158.866	44.75625	1.89	-27.2895	80.85919	-15703.3
41265_1266	41265	1266	158.8663	-1.70625	-1.89	27.2895	-102.555	15970.07
41266_1266	41266	1266	-158.848	-37.9339	0.32025	19.67306	102.5548	-15969.3
41266_1267	41266	1267	158.8479	81.72281	-0.32025	-19.6731	-106.289	15270.64
41267_1267	41267	1267	-158.847	-81.7228	0.711375	-17.9839	106.2889	-15270.6
41267_1268	41267	1268	158.8466	124.3541	-0.71138	17.98388	-114.378	14099.19
41268_1268	41268	1268	-158.839	-162.973	2.718188	18.81075	114.3778	-14099.2
41268_1269	41268	1269	158.8388	211.9084	-2.71819	-18.8108	-149.853	11653.13
41269_1269	41269	1269	-158.828	-211.908	3.236625	-19.1888	149.8534	-11653.1
41269_1270	41269	1270	158.8283	254.8481	-3.23663	19.18875	-186.913	8980.649
41270_1270	41270	1270	-158.831	-290.254	-6.39319	11.3505	186.9131	-8980.61
41270_1271	41270	1271	158.8309	324.6233	6.393188	-11.3505	-128.317	6162.74
41271_1271	41271	1271	-158.847	-324.623	-5.98763	-4.40738	128.3166	-6162.75
41271_1272	41271	1272	158.8466	366.4644	5.987625	4.407375	-61.5116	2422.468
41272_1272	41272	1272	-156.405	-367.518	-5.58469	-9.25181	61.45125	-2464.72
41272_1273	41272	1273	156.2925	384.4628	5.584688	9.251813	-38.1544	817.6526
41273_1273	41273	1273	-150.091	-423.35	24.5385	-2.29425	38.17669	-817.753
41273_1274	41273	1274	149.4452	455.7709	-24.5385	2.29425	-233.344	-2853.04
41274_1274	41274	1274	-141.512	-458.284	24.76819	-2.37038	233.4163	2853.033
41274_1275	41274	1275	140.3063	490.6808	-24.7682	2.370375	-428.555	-6777.85
41275_1275	41275	1275	-133.817	-492.461	25.35488	13.51219	429.5655	6762.102
41275_1276	41275	1276	132.8316	512.0693	-25.3549	-13.5122	-535.587	-8796.49
41276_1276	41276	1276	-29.3003	-616.988	-108.552	-82.3935	708.9075	26970.68
41276_1277	41276	1277	25.50581	673.1603	108.5516	82.3935	568.6853	-34450.9
41277_1277	41277	1277	-7.93538	-673.641	-108.277	62.98294	-558.391	34451.13
41277_1278	41277	1278	1.932	737.2234	108.2773	-62.9829	1945.234	-43663.8
41278_1278	41278	1278	13.95056	-719.073	174.3919	-107.926	-1969.12	43664.44
41278_1279	41278	1279	-19.9093	769.1079	-174.392	107.9256	286.9624	-50983.6
41279_1279	41279	1279	-3506.53	431.1431	61.69931	55.43344	-1083.84	17439.7
41279_1280	41279	1280	3506.529	-387.773	-61.6993	-55.4334	497.5425	-13206.9

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41280_1280	41280	1280	-3506.49	387.7729	63.64706	68.35238	-497.543	13514.59
41280_1281	41280	1281	3506.495	-364.756	-63.6471	-68.3524	152.5584	-11475.1
41281_1281	41281	1281	-3506.49	334.2268	-33.0278	-13.8338	-152.558	11475.09
41281_1282	41281	1282	3506.495	-286.436	33.02775	13.83375	560.7722	-7639.54
41282_1282	41282	1282	-3506.58	286.4361	-22.5422	9.011625	-560.772	7639.549
41282_1283	41282	1283	3506.577	-239.484	22.54219	-9.01163	834.4928	-4446.53
41283_1283	41283	1283	-3506.57	182.4362	18.22275	-4.30106	-834.493	4446.543
41283_1284	41283	1284	3506.571	-134.466	-18.2228	4.301063	608.4225	-2480.81
41284_1284	41284	1284	-3506.49	134.4656	29.60475	3.751125	-608.423	2480.809
41284_1285	41284	1285	3506.493	-92.8699	-29.6048	-3.75113	289.9523	-1258.05
41285_1285	41285	1285	-3506.33	42.86888	38.01394	-1.80075	-289.952	1257.819
41285_1286	41285	1286	3506.332	0.400313	-38.0139	1.80075	-135.436	-1020.2
41286_1286	41286	1286	-3506.2	-0.40031	48.52313	1.257375	135.4356	1020.206
41286_1287	41286	1287	3506.202	40.62581	-48.5231	-1.25738	-640.227	-1233.61
41287_1287	41287	1287	-3506.56	-90.2908	-29.3514	-5.53613	640.227	1233.669
41287_1288	41287	1288	3506.563	140.9349	29.35144	5.536125	-255.794	-2747.89
41288_1288	41288	1288	-3506.64	-140.935	-17.2843	3.920438	255.7944	2747.895
41288_1289	41288	1289	3506.643	184.3275	17.28431	-3.92044	-61.8253	-4572.95
41289_1289	41289	1289	-3506.67	-230.55	-4.16981	-0.50531	61.82531	4573.016
41289_1290	41289	1290	3506.675	246.0347	4.169813	0.505313	-45.129	-5527.31
41290_1290	41290	1290	-3506.68	-246.035	0.882	7.378875	45.129	5219.596
41290_1291	41290	1291	3506.677	285.7877	-0.882	-7.37888	-53.5054	-7823.18
41291_1291	41291	1291	74.4345	976.7678	30.39094	-18.3606	-242.441	36822.01
41291_1292	41291	1292	-70.3618	-940.948	-30.3909	18.36056	16.29338	-29909.6
41292_1292	41292	1292	42.48956	901.1494	3.257625	-44.1263	-14.4598	29910.22
41292_1293	41292	1293	-37.3354	-842.449	-3.25763	44.12625	-26.8511	-18637.3
41293_1293	41293	1293	11.50669	843.1973	3.424313	38.20688	20.748	18637.36
41293_1294	41293	1294	-8.66119	-793.254	-3.42431	-38.2069	-59.0664	-9389.87
41294_1294	41294	1294	9.898875	749.7118	-5.05838	-16.5139	137.5448	10696.5
41294_1295	41294	1295	-8.85675	-718.988	5.058375	16.51388	-101.868	-5466.29
41295_1295	41295	1295	-5.12794	719.0243	-4.99669	1.75875	101.2344	5467.942
41295_1296	41295	1296	5.519063	-691.979	4.996688	-1.75875	-65.4701	-170.595
41296_1296	41296	1296	-15.0793	691.8371	-4.98094	1.019813	65.4885	170.5933
41296_1297	41296	1297	15.10163	-658.682	4.980938	-1.01981	-21.6864	6243.153
41297_1297	41297	1297	-15.5479	607.0733	0.019687	27.02044	21.68644	-6243.18
41297_1298	41297	1298	15.54788	-591.798	-0.01969	-27.0204	-21.7678	8209.819
41298_1298	41298	1298	-15.5479	591.7984	0.044625	13.76288	21.76781	-8209.85
41298_1299	41298	1299	15.54788	-554.862	-0.04463	-13.7629	-22.1484	13063.53
41299_1299	41299	1299	-15.5479	554.862	0.0945	-28.0809	22.14844	-13063.5
41299_1300	41299	1300	15.54788	-502.569	-0.0945	28.08094	-23.2838	19400.37
41300_1300	41300	1300	-15.5453	441.5079	1.40175	47.73563	23.28375	-19400.4
41300_1301	41300	1301	15.54525	-384.076	-1.40175	-47.7356	-41.7336	24834.14
41301_1301	41301	1301	-15.54	384.0756	1.463438	-51.7873	41.73356	-24834.1
41301_1302	41301	1302	15.54	-334.649	-1.46344	51.78731	-58.317	28905.14
41302_1302	41302	1302	-15.5387	266.5674	-0.693	71.26744	58.317	-28905.2
41302_1303	41302	1303	15.53869	-207.829	0.693	-71.2674	-48.9943	32098.47
41303_1303	41303	1303	-15.5413	207.8291	-0.6195	-79.2947	48.99431	-32098.4
41303_1304	41303	1304	15.54131	-159.658	0.6195	79.29469	-42.1549	34127.14
41304_1304	41304	1304	-15.54	88.45069	0.8505	69.54413	42.15488	-34127.3
41304_1305	41304	1305	15.54	-31.4449	-0.8505	-69.5441	-53.2599	34910.57
41305_1305	41305	1305	-15.5374	31.44488	0.912188	-69.3026	53.25994	-34910.6
41305_1306	41305	1306	15.53738	18.42881	-0.91219	69.30263	-63.6838	34984.96
41306_1306	41306	1306	-15.5374	-88.6594	-1.48706	66.19069	63.68381	-34984.9
41306_1307	41306	1307	15.53738	140.4165	1.487063	-66.1907	-46.0359	33626.24
41307_1307	41307	1307	-15.5426	-140.417	-1.43325	-51.2466	46.03594	-33626.3
41307_1308	41307	1308	15.54263	195.5481	1.43325	51.24656	-27.9234	31503.62
41308_1308	41308	1308	-15.5426	-262.138	1.078875	60.02194	27.92344	-31503.7
41308_1309	41308	1309	15.54263	315.2074	-1.07888	-60.0219	-41.0406	27992.45
41309_1309	41309	1309	-15.5387	-315.207	1.137938	-47.2802	41.04056	-27992.5

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41309_1310	41309	1310	15.53869	369.0514	-1.13794	47.28019	-55.0843	23770.29
41310_1310	41310	1310	-15.5374	-429.94	-0.07744	39.68869	55.08431	-23770.3
41310_1311	41310	1311	15.53738	485.8284	0.077437	-39.6887	-54.0934	17904.96
41311_1311	41311	1311	-15.5374	-485.828	-0.01838	-28.8579	54.09338	-17905
41311_1312	41311	1312	15.53738	541.5953	0.018375	28.85794	-53.8637	11339.02
41312_1312	41312	1312	-15.5466	-587.736	-3.00038	6.419438	53.86369	-11339
41312_1313	41312	1313	15.54656	666.0636	3.000375	-6.41944	0	84.59456

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95
	Max.	1.31	1.58	1.84	1.84	1.05			0.00	
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1	2	3	4	5	6	7	8	9
1000_1000	1000	1000	-3.24923	125.6078	0.5418	-2.4129	0	-11.2266
1000_1001	1000	1001	162.9936	-112.915	-0.5418	2.4129	-9.22005	1301.438
1001_1001	1001	1001	-162.998	112.9149	0.5418	-1.80968	9.22005	-1301.46
1001_1002	1001	1002	256.0635	-104.815	-0.5418	1.809675	-15.0932	2053.112
1002_1002	1002	1002	-256.172	90.8523	-0.5922	-1.76715	15.09323	-2053.05
1002_1003	1002	1003	339.0534	-81.752	0.5922	1.76715	-7.87815	2722.465
1003_1003	1003	1003	-339.052	81.75195	-0.5922	-1.24425	7.87815	-2722.47
1003_1004	1003	1004	413.1997	-72.6516	0.5922	1.24425	-0.65678	3321.346
1004_1004	1004	1004	-413.113	60.91943	0.089775	-1.54193	0.656775	-3321.13
1004_1005	1004	1005	467.2647	-51.8144	-0.08978	1.541925	-1.75613	3758.508
1005_1005	1005	1005	-467.266	51.81435	0.089775	-0.82058	1.756125	-3758.51
1005_1006	1005	1006	512.6751	-42.7109	-0.08978	0.820575	-2.85075	4125.278
1006_1006	1006	1006	-512.651	28.11218	0.10395	-1.03478	2.85075	-4125.09
1006_1007	1006	1007	535.2779	-19.0118	-0.10395	1.034775	-4.10918	4307.831
1007_1007	1007	1007	-535.278	19.01183	0.102375	-0.2079	4.109175	-4307.83
1007_1008	1007	1008	549.1679	-9.91148	-0.10238	0.2079	-5.36288	4420.009
1008_1008	1008	1008	-549.155	-5.36445	-0.01103	-0.3906	5.362875	-4419.88
1008_1009	1008	1009	539.6407	14.46008	0.011025	0.3906	-5.23215	4343.025
1009_1009	1009	1009	-539.641	-14.4601	-0.01103	0.341775	5.23215	-4343.02
1009_1010	1009	1010	521.3738	23.56515	0.011025	-0.34178	-5.09828	4195.49
1010_1010	1010	1010	-521.368	-38.6726	-0.04883	-0.27248	5.098275	-4195.43
1010_1011	1010	1011	479.8679	47.77133	0.048825	0.272475	-4.5108	3860.243
1011_1011	1011	1011	-479.866	-47.7713	-0.04883	1.299375	4.5108	-3860.24
1011_1012	1011	1012	429.6647	56.8638	0.048825	-1.29938	-3.91388	3454.769
1012_1012	1012	1012	-429.663	-72.0578	-0.15278	1.195425	3.913875	-3454.76
1012_1013	1012	1013	356.0855	81.15818	0.152775	-1.19543	-2.04908	2860.487
1013_1013	1013	1013	-356.085	-81.1582	-0.15278	0.647325	2.049075	-2860.49
1013_1014	1013	1014	273.776	90.25853	0.152775	-0.64733	-0.19058	2195.685
1014_1014	1014	1014	-273.774	-103.844	0.6993	1.1529	0.190575	-2195.69
1014_1015	1014	1015	128.6744	116.3342	-0.6993	-1.1529	-11.9023	1023.761
1015_1015	1015	1015	-139.857	-115.89	0.470925	0.218925	8.002575	-1043.45
1015_1016	1015	1016	53.4555	122.0247	-0.47093	-0.20948	-11.8865	406.5768
1016_1016	1016	1016	-51.0883	-134.637	0.515025	0.41895	11.9133	-406.539
1016_1017	1016	1017	-79.3296	143.3581	-0.51503	-0.378	-17.9566	-705.753
1017_1017	1017	1017	81.85433	-143.089	0.515025	0.2961	17.99753	709.7011
1017_1018	1017	1018	-194.787	153.4743	-0.51503	-0.2268	-24.8346	-2082.19
1018_1018	1018	1018	198.9257	-161.872	-1.14503	0.0252	24.88028	2082.181
1018_1019	1018	1019	-270.826	172.1601	1.145025	-0.20948	-10.5415	-3600.75
1019_1019	1019	1019	274.5934	-171.42	-1.14345	0.883575	10.68795	3600.735
1019_1020	1019	1020	-310.803	182.0889	1.14345	-1.08675	3.68865	-5310.94
1020_1020	1020	1020	-425.962	45.33795	0.949725	-0.29925	-21.8264	670.1949
1020_1021	1020	1021	460.2859	-38.3733	-0.94973	0.29925	12.8079	-396.61
1021_1021	1021	1021	-436.07	38.22998	0.830025	-0.28823	-9.98865	278.7278
1021_1022	1021	1022	460.9616	-32.571	-0.83003	0.288225	3.5595	-103.933
1022_1022	1022	1022	-460.954	32.571	0.927675	-0.27405	-3.5595	103.9374
1022_1023	1022	1023	481.865	-26.9136	-0.92768	0.27405	-3.63353	42.89828
1023_1023	1023	1023	-481.838	20.18205	-0.21735	-0.1008	3.633525	-42.892
1023_1024	1023	1024	494.3657	-14.342	0.21735	0.1008	-1.89473	130.8683
1024_1024	1024	1024	-494.366	14.34195	-0.21735	-0.1008	1.894725	-130.868
1024_1025	1024	1025	502.6565	-8.50028	0.21735	0.1008	-0.15435	189.0788
1025_1025	1025	1025	-502.657	8.500275	-0.12128	-0.12443	0.15435	-189.077
1025_1026	1025	1026	506.7074	-2.66175	0.121275	0.124425	0.82215	217.5185
1026_1026	1026	1026	-506.706	-6.84968	-0.2079	-0.02363	-0.82215	-217.517
1026_1027	1026	1027	501.7887	11.22818	0.2079	0.023625	2.071125	182.9851
1027_1027	1027	1027	-501.79	-11.2282	-0.06773	-0.0567	-2.07113	-182.984
1027_1028	1027	1028	494.4776	15.61298	0.067725	0.0567	2.47275	131.6385
1028_1028	1028	1028	-494.478	-15.613	-0.08033	-0.05513	-2.47275	-131.639
1028_1029	1028	1029	484.796	19.9899	0.080325	0.055125	2.95785	63.64418

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1029_1029	1029	1029	-484.796	-19.9899	-0.06773	-0.0567	-2.95785	-63.6442
1029_1030	1029	1030	472.7095	24.3747	0.067725	0.0567	3.359475	-21.2247
1030_1030	1030	1030	-472.709	-33.9129	0.09765	0	-3.35948	21.2247
1030_1031	1030	1031	445.9928	39.75143	-0.09765	0	2.578275	-208.842
1031_1031	1031	1031	-445.993	-39.7514	0.108675	0.00315	-2.57828	208.8419
1031_1032	1031	1032	414.9983	45.59625	-0.10868	-0.00315	1.7136	-426.483
1032_1032	1032	1032	-415	-45.5963	0.09765	-0.00158	-1.7136	426.4832
1032_1033	1032	1033	379.8081	51.4332	-0.09765	0.001575	0.9324	-673.607
1033_1033	1033	1033	-379.836	-58.3585	-1.04108	-0.3087	-0.9324	673.6244
1033_1034	1033	1034	336.7996	64.01903	1.041075	0.3087	9.004275	-975.835
1034_1034	1034	1034	-336.807	-64.019	-0.94185	-0.18428	-9.00428	975.8385
1034_1035	1034	1035	289.7969	69.678	0.94185	0.184275	16.3107	-1305.96
1035_1035	1035	1035	-321.806	-69.9536	-0.26775	1.43325	-21.2625	1461.893
1035_1036	1035	1036	261.765	76.91828	0.26775	-1.43325	23.80928	-1938.7
1036_1036	1036	1036	366.4836	152.8223	1.0143	-1.134	-9.5319	6748.389
1036_1037	1036	1037	-370.947	-141.851	-1.0143	0.956025	-3.21143	-5309.15
1037_1037	1037	1037	367.7735	141.8697	1.01745	-0.33233	3.101175	5309.153
1037_1038	1037	1038	-348.338	-131.218	-1.01745	0.1701	-15.854	-3970.16
1038_1038	1038	1038	344.8274	123.4674	-0.52133	-0.4347	15.8319	3970.335
1038_1039	1038	1039	-295.547	-112.765	0.521325	0.504	-8.93025	-2824.85
1039_1039	1039	1039	296.0528	112.9952	-0.5166	-0.24728	8.881425	2807.652
1039_1040	1039	1040	-218.347	-104.172	0.5166	0.288225	-2.80823	-1937.39
1040_1040	1040	1040	216.5499	94.80083	-0.11025	-0.37643	2.7972	1937.494
1040_1041	1040	1041	-156.522	-88.7717	0.11025	0.378	-1.89	-1436.18
1041_1041	1041	1041	175.8614	88.13385	-0.05198	-0.24413	0.9009	1330.604
1041_1042	1041	1042	-46.053	-76.3812	0.051975	0.244125	-0.0504	-421.3
1042_1042	1042	1042	46.05458	64.8144	-0.02678	-0.19373	0.0504	421.3094
1042_1043	1042	1043	24.08175	-56.1803	0.026775	0.193725	0.278775	22.95878
1043_1043	1043	1043	-24.0802	56.18025	-0.0252	-0.1953	-0.27878	-22.9572
1043_1044	1043	1044	84.20265	-47.5461	0.0252	0.1953	0.587475	403.7922
1044_1044	1044	1044	-84.2058	35.42963	-0.0126	-0.05828	-0.58748	-403.814
1044_1045	1044	1045	120.2702	-26.7971	0.0126	0.058275	0.7434	632.2538
1045_1045	1045	1045	-120.27	26.79705	-0.01103	-0.10553	-0.7434	-632.254
1045_1046	1045	1046	146.3254	-18.1645	0.011025	0.105525	0.87885	797.3028
1046_1046	1046	1046	-146.33	5.334525	0.011025	0.089775	-0.87885	-797.347
1046_1047	1046	1047	147.5082	3.30435	-0.01103	-0.08978	0.7371	804.8061
1047_1047	1047	1047	-147.508	-3.30435	0.014175	0.033075	-0.7371	-804.806
1047_1048	1047	1048	138.6788	11.93378	-0.01418	-0.03308	0.57645	748.881
1048_1048	1048	1048	-138.688	-24.5354	-0.02048	0.234675	-0.57645	-748.917
1048_1049	1048	1049	105.2273	33.17265	0.020475	-0.23468	0.830025	536.9585
1049_1049	1049	1049	-105.227	-33.1727	-0.01733	0.155925	-0.83003	-536.963
1049_1050	1049	1050	61.7967	41.8005	0.017325	-0.15593	1.041075	261.8532
1050_1050	1050	1050	-61.7762	-53.3768	0.17955	0.24255	-1.04108	-261.871
1050_1051	1050	1051	-31.6355	65.11838	-0.17955	-0.24255	-1.88685	-379.305
1051_1051	1051	1051	29.52338	-65.5484	0.209475	0.378	2.1609	394.4106
1051_1052	1051	1052	-79.18	71.5113	-0.20948	-0.37328	-3.88238	-744.701
1052_1052	1052	1052	80.6337	-82.53	0.2268	0.3402	3.891825	744.6972
1052_1053	1052	1053	-155.824	91.10588	-0.2268	-0.31815	-6.56618	-1411.11
1053_1053	1053	1053	141.2334	-92.169	0.313425	0.72765	8.98065	1501.097
1053_1054	1053	1054	-195.546	102.2852	-0.31343	-0.68355	-13.1481	-2430.96
1054_1054	1054	1054	198.4264	-110.719	-0.76545	0.543375	13.18275	2430.951
1054_1055	1054	1055	-231.03	120.6718	0.76545	-0.6741	-3.591	-3500.49
1055_1055	1055	1055	233.7032	-120.836	-0.7623	1.1466	3.6603	3500.488
1055_1056	1055	1056	-245.906	131.0904	0.7623	-1.28993	5.9283	-4739.84
1056_1056	1056	1056	-315.849	63.75915	0.792225	-0.42368	-19.5395	1023.861
1056_1057	1056	1057	363.7368	-56.9473	-0.79223	0.423675	12.01883	-632.815
1057_1057	1057	1057	-360.547	56.93153	0.748125	-0.40478	-10.7384	610.3708
1057_1058	1057	1058	395.7156	-51.3797	-0.74813	0.404775	4.940775	-331.545
1058_1058	1058	1058	-395.716	51.37965	0.748125	-0.40478	-4.94078	331.5454

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1058_1059	1058	1059	427.2786	-45.8278	-0.74813	0.404775	-0.85523	-81.3031
1059_1059	1059	1059	-427.332	38.7198	-0.14333	-0.02993	0.855225	81.29048
1059_1060	1059	1060	451.3934	-32.9805	0.143325	0.029925	0.294525	109.483
1060_1060	1060	1060	-451.395	32.9805	-0.07718	-0.05513	-0.29453	-109.483
1060_1061	1060	1061	471.5818	-27.2491	0.077175	0.055125	0.905625	269.5266
1061_1061	1061	1061	-471.582	27.24908	0	-0.12443	-0.90563	-269.527
1061_1062	1061	1062	487.9429	-21.5114	0	0.124425	0.9072	399.2483
1062_1062	1062	1062	-487.949	12.17003	-0.08033	0.20475	-0.9072	-399.264
1062_1063	1062	1063	492.9908	-7.8687	0.080325	-0.20475	1.386	439.2297
1063_1063	1063	1063	-492.991	7.8687	0.00945	0.070875	-1.386	-439.231
1063_1064	1063	1064	495.8636	-3.57525	-0.00945	-0.07088	1.324575	462.0152
1064_1064	1064	1064	-495.864	3.57525	0.01575	0.061425	-1.32458	-462.015
1064_1065	1064	1065	496.5802	0.726075	-0.01575	-0.06143	1.230075	467.6947
1065_1065	1065	1065	-496.58	-0.72608	0.111825	-0.08978	-1.23008	-467.695
1065_1066	1065	1066	495.1328	5.0274	-0.11183	0.089775	0.5607	456.2224
1066_1066	1066	1066	-495.136	-14.4412	0.08505	0.2583	-0.5607	-456.244
1066_1067	1066	1067	483.5219	20.17733	-0.08505	-0.2583	-0.12443	364.1589
1067_1067	1067	1067	-483.52	-20.1773	0.1575	0.1701	0.124425	-364.16
1067_1068	1067	1068	468.0585	25.91505	-0.1575	-0.1701	-1.38443	241.5672
1068_1068	1068	1068	-468.059	-25.9151	0.152775	0.17325	1.384425	-241.567
1068_1069	1068	1069	448.7726	31.64333	-0.15278	-0.17325	-2.60978	88.66935
1069_1069	1069	1069	-448.878	-38.8553	-0.55598	0.508725	2.609775	-88.704
1069_1070	1069	1070	421.8228	44.41028	0.555975	-0.50873	1.69785	-125.806
1070_1070	1070	1070	-421.823	-44.4103	-0.55598	0.508725	-1.69785	125.8063
1070_1071	1070	1071	391.156	49.96688	0.555975	-0.50873	6.00705	-368.945
1071_1071	1071	1071	-395.377	-49.9984	-0.59378	0.504	-6.92213	397.0244
1071_1072	1071	1072	353.241	56.8071	0.593775	-0.504	12.56063	-742.047
1072_1072	1072	1072	218.903	144.1771	0.707175	-0.92453	-2.65545	4361.884
1072_1073	1072	1073	-193.807	-134.006	-0.70718	0.792225	-6.23543	-3019.73
1073_1073	1073	1073	190.8554	133.6262	0.710325	-0.52133	6.181875	3019.732
1073_1074	1073	1074	-141.317	-123.775	-0.71033	0.401625	-15.0806	-1830.13
1074_1074	1074	1074	137.9543	114.6033	-0.41423	-0.43785	15.0381	1830.148
1074_1075	1074	1075	-62.8488	-104.58	0.414225	0.49455	-9.53505	-817.463
1075_1075	1075	1075	70.25445	103.1216	-0.30083	-0.252	6.98355	764.0765
1075_1076	1075	1076	24.30383	-94.8827	0.300825	0.28035	-3.4461	4.590968
1076_1076	1076	1076	-25.8977	84.3129	-0.063	-0.24885	3.43665	-4.60719
1076_1077	1076	1077	87.27705	-78.5421	0.063	0.250425	-2.92005	428.6536
1077_1077	1077	1077	-83.8262	78.43185	-0.0819	-0.57173	4.099725	-424.574
1077_1078	1077	1078	175.8787	-67.988	0.0819	0.571725	-2.87753	1115.035
1078_1078	1078	1078	-175.88	57.0213	-0.05198	-0.32288	2.877525	-1115.06
1078_1079	1078	1079	226.5118	-49.0943	0.051975	0.322875	-2.2995	1494.821
1079_1079	1079	1079	-226.512	49.09433	-0.04725	-0.5796	2.2995	-1494.82
1079_1080	1079	1080	269.6101	-41.1611	0.04725	0.5796	-1.76558	1818.095
1080_1080	1080	1080	-269.616	29.13435	-0.00788	-0.13388	1.765575	-1818.15
1080_1081	1080	1081	293.6509	-21.2011	0.007875	0.133875	-1.67108	1998.434
1081_1081	1081	1081	-293.651	21.20108	-0.00473	-0.46148	1.671075	-1998.43
1081_1082	1081	1082	310.1096	-13.2694	0.004725	0.461475	-1.6191	2121.883
1082_1082	1082	1082	-310.122	0.310275	-0.0189	0.2709	1.6191	-2121.96
1082_1083	1082	1083	306.0666	8.213625	0.0189	-0.2709	-1.38758	2091.545
1083_1083	1083	1083	-306.067	-8.21363	-0.0126	-0.36698	1.387575	-2091.54
1083_1084	1083	1084	293.265	16.73753	0.0126	0.366975	-1.24268	1995.523
1084_1084	1084	1084	-293.274	-29.7344	-0.02048	0.50085	1.242675	-1995.59
1084_1085	1084	1085	261.0988	37.66613	0.020475	-0.50085	-1.00958	1754.244
1085_1085	1085	1085	-261.099	-37.6661	-0.0126	-0.0756	1.009575	-1754.25
1085_1086	1085	1086	221.3521	45.59625	0.0126	0.0756	-0.8631	1456.117
1086_1086	1086	1086	-221.362	-57.7175	-0.07403	0.5922	0.8631	-1456.16
1086_1087	1086	1087	162.4707	65.64915	0.074025	-0.5922	-0.02678	1014.429
1087_1087	1087	1087	-162.472	-65.6492	-0.06615	0.259875	0.026775	-1014.43
1087_1088	1087	1088	96.01358	73.57928	0.06615	-0.25988	0.722925	515.9448

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1088_1088	1088	1088	-95.9947	-84.3161	0.2331	0.508725	-0.72293	-515.976
1088_1089	1088	1089	-12.0299	94.3614	-0.2331	-0.50873	-2.59088	-317.834
1089_1089	1089	1089	11.7495	-94.7457	0.20475	0.44415	2.301075	327.5122
1089_1090	1089	1090	-76.6395	100.5748	-0.20475	-0.43943	-3.9942	-910.013
1090_1090	1090	1090	78.60668	-111.099	0.26145	0.546525	4.0068	910.0044
1090_1091	1090	1091	-170.39	119.4937	-0.26145	-0.5229	-7.07648	-1805.07
1091_1091	1091	1091	168.8526	-120.026	0.332325	0.48825	8.9397	1828.689
1091_1092	1091	1092	-238.835	129.9879	-0.33233	-0.44258	-13.3418	-3049.94
1092_1092	1092	1092	242.3153	-138.039	-0.83948	0.00945	13.34498	3049.947
1092_1093	1092	1093	-281.264	147.9146	0.839475	-0.14805	-2.81925	-4426.27
1093_1093	1093	1093	284.5757	-148.126	-0.8316	1.330875	2.9673	4426.258
1093_1094	1093	1094	-297.41	158.3174	0.8316	-1.48523	7.48125	-5843.32
1094_1094	1094	1094	-358.821	55.43528	0.801675	-0.48353	-20.549	1229.177
1094_1095	1094	1095	399.5586	-48.8234	-0.80168	0.483525	12.93705	-896.72
1095_1095	1095	1095	-398.845	48.95415	0.921375	-0.55125	-14.468	893.318
1095_1096	1095	1096	427.1621	-43.5456	-0.92138	0.55125	7.319025	-648.013
1096_1096	1096	1096	-427.148	43.5456	1.170225	-0.21735	-7.31903	648.018
1096_1097	1096	1097	452.1211	-38.1449	-1.17023	0.21735	-1.7388	-431.673
1097_1097	1097	1097	-452.181	31.29525	-0.1323	-0.1764	1.7388	431.6681
1097_1098	1097	1098	470.1942	-25.7135	0.1323	0.1764	-0.67568	-275.616
1098_1098	1098	1098	-470.194	25.71345	-0.01103	-0.1071	0.675675	275.6171
1098_1099	1098	1099	484.6811	-20.1317	0.011025	0.1071	-0.5859	-150.129
1099_1099	1099	1099	-484.681	20.13165	-0.01103	-0.1071	0.5859	150.129
1099_1100	1099	1100	495.6383	-14.5483	0.011025	0.1071	-0.49613	-55.2006
1100_1100	1100	1100	-495.618	5.885775	0.5292	0.023625	0.496125	55.19588
1100_1101	1100	1101	497.4165	-1.69943	-0.5292	-0.02363	-3.67448	-39.6254
1101_1101	1101	1101	-497.417	1.699425	0.52605	0.023625	3.674475	39.62543
1101_1102	1101	1102	497.2307	2.480625	-0.52605	-0.02363	-6.82763	-41.2272
1102_1102	1102	1102	-497.229	-2.48063	-0.6048	-0.07403	6.827625	41.22563
1102_1103	1102	1103	495.0603	6.66855	0.6048	0.074025	-3.2004	-60.0107
1103_1103	1103	1103	-495.065	-6.66855	-0.44258	-0.05355	3.2004	60.01223
1103_1104	1103	1104	490.9118	10.8549	0.442575	0.05355	-0.54495	-95.9947
1104_1104	1104	1104	-490.909	-19.5048	-0.0126	0.055125	0.54495	95.9931
1104_1105	1104	1105	476.836	25.08188	0.0126	-0.05513	-0.44415	-217.911
1105_1105	1105	1105	-476.836	-25.0819	0.1134	0.111825	0.44415	217.9107
1105_1106	1105	1106	459.218	30.66525	-0.1134	-0.11183	-1.34505	-370.528
1106_1106	1106	1106	-459.218	-30.6653	0.1134	0.111825	1.34505	370.5282
1106_1107	1106	1107	438.0721	36.24863	-0.1134	-0.11183	-2.24753	-553.713
1107_1107	1107	1107	-438.097	-43.196	-0.94185	0.341775	2.247525	553.7117
1107_1108	1107	1108	410.0324	48.5982	0.94185	-0.34178	5.047875	-796.838
1108_1108	1108	1108	-410.032	-48.5982	-0.9387	0.348075	-5.04788	796.8382
1108_1109	1108	1109	378.6221	54.00675	0.9387	-0.34808	12.32595	-1068.95
1109_1109	1109	1109	-379.586	-53.8729	-0.76388	0.455175	-11.2172	1073.545
1109_1110	1109	1110	335.0419	60.4863	0.763875	-0.45518	18.47948	-1453.16
1110_1110	1110	1110	308.0291	155.4572	0.78435	-1.53878	-5.16128	6157.011
1110_1111	1110	1111	-300.362	-145.217	-0.78435	1.39545	-4.69665	-4653.97
1111_1111	1111	1111	297.1049	144.9851	0.7938	-0.07403	4.536	4653.981
1111_1112	1111	1112	-264.639	-135.053	-0.7938	-0.0567	-14.479	-3306.76
1112_1112	1112	1112	261.1366	127.197	-0.41895	-0.5922	14.48685	3306.821
1112_1113	1112	1113	-198.578	-117.178	0.41895	0.650475	-8.92868	-2154.1
1113_1113	1113	1113	200.7999	116.687	-0.3276	-0.35123	7.057575	2126.776
1113_1114	1113	1114	-114.862	-108.403	0.3276	0.379575	-3.21143	-1187.5
1114_1114	1114	1114	112.9574	98.44223	-0.12915	-0.6678	3.205125	1187.516
1114_1115	1114	1115	-50.5622	-92.7077	0.12915	0.67095	-2.13728	-691.475
1115_1115	1115	1115	58.69868	91.83353	-0.1008	-0.28193	1.775025	624.141
1115_1116	1115	1116	59.37908	-81.6622	0.1008	0.281925	-0.29295	212.9636
1116_1116	1116	1116	-59.3791	71.00415	-0.01575	-0.23153	0.29295	-212.962
1116_1117	1116	1117	128.9768	-63.2567	0.01575	0.231525	-0.1197	669.9105
1117_1117	1117	1117	-128.975	63.25673	-0.0126	-0.3087	0.1197	-669.909

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1117_1118	1117	1118	190.5388	-55.5093	0.0126	0.3087	0.0189	1074.114
1118_1118	1118	1118	-190.539	43.74878	-0.00788	0	-0.0189	-1074.11
1118_1119	1118	1119	231.9109	-35.9935	0.007875	0	0.111825	1345.746
1119_1119	1119	1119	-231.911	35.99348	-0.00158	-0.31028	-0.11183	-1345.74
1119_1120	1119	1120	265.2095	-28.2476	0.001575	0.310275	0.137025	1564.373
1120_1120	1120	1120	-265.211	15.52635	-0.00315	0.11025	-0.13703	-1564.38
1120_1121	1120	1121	277.8757	-7.19303	0.00315	-0.11025	0.1827	1647.535
1121_1121	1121	1121	-277.876	7.193025	-0.00158	-0.06458	-0.1827	-1647.54
1121_1122	1121	1122	281.2525	1.132425	0.001575	0.064575	0.1953	1669.703
1122_1122	1122	1122	-281.252	-13.9718	-0.01575	0.281925	-0.1953	-1669.7
1122_1123	1122	1123	262.7336	21.72555	0.01575	-0.28193	0.38115	1548.11
1123_1123	1123	1123	-262.734	-21.7256	-0.01418	0.10395	-0.38115	-1548.11
1123_1124	1123	1124	236.1965	29.47298	0.014175	-0.10395	0.53235	1373.879
1124_1124	1124	1124	-236.196	-41.2146	-0.00945	0.439425	-0.53235	-1373.88
1124_1125	1124	1125	189.4127	48.96833	0.00945	-0.43943	0.637875	1066.713
1125_1125	1125	1125	-189.414	-48.9683	-0.00315	0.193725	-0.63788	-1066.72
1125_1126	1125	1126	134.6389	56.71418	0.00315	-0.19373	0.675675	707.0805
1126_1126	1126	1126	-134.637	-67.1218	0.12285	0.36225	-0.67568	-707.084
1126_1127	1126	1127	42.18795	76.7277	-0.12285	-0.36225	-1.03005	100.0913
1127_1127	1127	1127	-42.3061	-76.9655	0.1134	0.222075	0.927675	-108.374
1127_1128	1127	1128	-19.2323	82.6245	-0.1134	-0.2205	-1.86008	-299.431
1128_1128	1128	1128	20.81993	-92.8494	0.244125	0.168525	1.8648	299.4264
1128_1129	1128	1129	-113.28	100.9512	-0.24413	-0.1449	-4.72815	-1091.5
1129_1129	1129	1129	101.3765	-102.425	0.307125	0.62685	5.841675	1173.728
1129_1130	1129	1130	-171.606	112.3967	-0.30713	-0.5859	-9.91463	-2176.88
1130_1130	1130	1130	174.6801	-120.48	-0.8064	0.27405	9.927225	2176.871
1130_1131	1130	1131	-218.35	130.3139	0.8064	-0.40793	0.171675	-3338.31
1131_1131	1131	1131	221.2166	-130.722	-0.80325	0.8883	-0.1197	3338.303
1131_1132	1131	1132	-240.759	140.8806	0.80325	-1.03635	10.21703	-4676.95
1132_1132	1132	1132	-340.094	55.86368	1.5372	0.0756	-22.9415	874.9914
1132_1133	1132	1133	383.0479	-49.151	-1.5372	-0.0756	8.3349	-522.502
1133_1133	1133	1133	-362.554	48.95258	1.32615	-0.27563	-7.56315	422.5772
1133_1134	1133	1134	395.1313	-43.4984	-1.32615	0.275625	-2.71845	-194.642
1134_1134	1134	1134	-395.253	43.49835	0.508725	-0.63945	2.71845	194.5818
1134_1135	1134	1135	423.99	-38.0426	-0.50873	0.63945	-6.65753	6.484275
1135_1135	1135	1135	-423.918	31.4811	-0.12128	-0.11655	6.657525	-6.41498
1135_1136	1135	1136	444.7753	-25.8505	0.121275	0.11655	-5.68418	152.3545
1136_1136	1136	1136	-444.774	25.85048	-0.18743	-0.0945	5.684175	-152.356
1136_1137	1136	1137	461.5349	-20.2183	0.187425	0.0945	-4.18478	269.629
1137_1137	1137	1137	-461.536	20.21828	-0.12128	-0.13388	4.184775	-269.627
1137_1138	1137	1138	474.1994	-14.5877	0.121275	0.133875	-3.213	358.2275
1138_1138	1138	1138	-474.214	5.224275	-0.09923	0.02835	3.213	-358.213
1138_1139	1138	1139	475.9115	-1.008	0.099225	-0.02835	-2.61765	370.0904
1139_1139	1139	1139	-475.913	1.008	-0.00945	-0.04725	2.61765	-370.09
1139_1140	1139	1140	475.3098	3.21615	0.00945	0.04725	-2.56253	365.8757
1140_1140	1140	1140	-475.31	-3.21615	-0.00945	-0.04725	2.562525	-365.876
1140_1141	1140	1141	472.4024	7.438725	0.00945	0.04725	-2.5074	345.533
1141_1141	1141	1141	-472.402	-7.43873	-0.09765	0.02205	2.5074	-345.533
1141_1142	1141	1142	467.1891	11.66288	0.09765	-0.02205	-1.92308	309.0638
1142_1142	1142	1142	-467.192	-20.8814	0.02205	0.0693	1.923075	-309.045
1142_1143	1142	1143	449.9492	26.51355	-0.02205	-0.0693	-2.10263	188.3999
1143_1143	1143	1143	-449.949	-26.5136	0.02205	0.0693	2.102625	-188.4
1143_1144	1143	1144	428.6095	32.14418	-0.02205	-0.0693	-2.28375	39.0852
1144_1144	1144	1144	-428.609	-32.1442	-0.0441	0.0756	2.28375	-39.0852
1144_1145	1144	1145	403.1717	37.77638	0.0441	-0.0756	-1.93568	-138.904
1145_1145	1145	1145	-403.065	-44.7899	-0.62843	0.281925	1.935675	138.9371
1145_1146	1145	1146	369.6147	50.23778	0.628425	-0.28193	2.92635	-372.979
1146_1146	1146	1146	-369.615	-50.2378	-0.62685	0.2835	-2.92635	372.9789
1146_1147	1146	1147	332.2793	55.69358	0.62685	-0.2835	7.785225	-634.212

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1147_1147	1147	1147	-352.598	-55.8968	-0.63	0.329175	-8.27348	733.2334
1147_1148	1147	1148	303.8285	62.60783	0.63	-0.32918	14.25848	-1101.16
1148_1148	1148	1148	255.5469	136.2769	0.486675	-0.9765	-3.6981	4843.131
1148_1149	1148	1149	-243.515	-126.052	-0.48668	0.88515	-2.42708	-3576.27
1149_1149	1149	1149	240.7451	125.507	0.489825	-0.4347	2.37195	3576.277
1149_1150	1149	1150	-206.465	-115.603	-0.48983	0.351225	-8.51603	-2460.73
1150_1150	1150	1150	203.5782	106.4495	-0.24885	-0.50085	8.49555	2460.794
1150_1151	1150	1151	-145.454	-96.4168	0.24885	0.5355	-5.19908	-1507.24
1151_1151	1151	1151	162.529	94.90005	-0.20003	-0.20003	4.2084	1403.322
1151_1152	1151	1152	-81.0716	-86.3651	0.200025	0.218925	-1.86165	-721.703
1152_1152	1152	1152	79.5627	75.95753	-0.09608	-0.2079	1.853775	721.7138
1152_1153	1152	1153	-24.4724	-70.0214	0.096075	0.209475	-1.06628	-347.3
1153_1153	1153	1153	27.17663	69.40553	-0.08033	-0.14805	0.905625	331.1123
1153_1154	1153	1154	62.46765	-59.5571	0.080325	0.14805	0.2016	196.4671
1154_1154	1154	1154	-62.4771	49.25655	-0.01733	-0.0882	-0.2016	-196.453
1154_1155	1154	1155	112.9133	-41.3721	0.017325	0.0882	0.395325	493.2774
1155_1155	1155	1155	-112.913	41.3721	-0.01575	-0.1197	-0.39533	-493.276
1155_1156	1155	1156	154.5721	-33.4877	0.01575	0.1197	0.562275	738.4514
1156_1156	1156	1156	-154.572	22.8627	0.0063	0.007875	-0.56228	-738.429
1156_1157	1156	1157	174.1115	-15.6807	-0.0063	-0.00788	0.504	853.4232
1157_1157	1157	1157	-174.112	15.6807	0.007875	-0.0504	-0.504	-853.423
1157_1158	1157	1158	186.3603	-8.50658	-0.00788	0.0504	0.417375	925.5094
1158_1158	1158	1158	-186.354	-1.7829	-0.01103	0.080325	-0.41738	-925.49
1158_1159	1158	1159	180.9061	8.9649	0.011025	-0.08033	0.51975	893.4266
1159_1159	1159	1159	-180.906	-8.9649	-0.00788	0.0189	-0.51975	-893.427
1159_1160	1159	1160	168.1927	16.13903	0.007875	-0.0189	0.593775	818.6063
1160_1160	1160	1160	-168.196	-26.6207	0.02205	0.127575	-0.59378	-818.589
1160_1161	1160	1161	134.179	34.5051	-0.02205	-0.12758	0.357525	618.3891
1161_1161	1161	1161	-134.179	-34.5051	0.02205	0.127575	-0.35753	-618.389
1161_1162	1161	1162	91.38623	42.38955	-0.02205	-0.12758	0.12285	366.5419
1162_1162	1162	1162	-91.3957	-52.4176	0.07875	0.155925	-0.12285	-366.531
1162_1163	1162	1163	11.67705	62.26605	-0.07875	-0.15593	-0.94973	-102.638
1163_1163	1163	1163	-12.233	-62.9024	0.08505	0.203175	1.041075	107.9899
1163_1164	1163	1164	-38.6505	68.83065	-0.08505	-0.2016	-1.74038	-442.566
1164_1164	1164	1164	39.99713	-79.2099	0.189	0.228375	1.746675	442.5766
1164_1165	1164	1165	-118.475	87.69758	-0.189	-0.20948	-3.96428	-1061.5
1165_1165	1165	1165	111.3131	-88.8899	0.21105	0.28035	4.439925	1110.859
1165_1166	1165	1166	-173.195	99.29273	-0.21105	-0.25043	-7.2387	-1965.48
1166_1166	1166	1166	176.1275	-108.524	-0.4032	0.24885	7.26075	1965.531
1166_1167	1166	1167	-215.788	118.7755	0.4032	-0.31815	-2.21445	-2984.97
1167_1167	1167	1167	218.369	-119.371	-0.40005	0.61425	2.2554	2984.968
1167_1168	1167	1168	-235.744	129.9674	0.40005	-0.69143	2.772	-4156.92
1168_1168	1168	1168	-289.814	63.98123	0.4851	-0.34965	-11.0203	874.9645
1168_1169	1168	1169	342.4097	-56.952	-0.4851	0.34965	6.4134	-510.785
1169_1169	1169	1169	-324.552	56.78663	0.4095	-0.35123	-5.22113	423.8057
1169_1170	1169	1170	364.2518	-51.0678	-0.4095	0.351225	2.04435	-164.58
1170_1170	1170	1170	-364.252	51.0678	0.4095	-0.35123	-2.04435	164.5796
1170_1171	1170	1171	399.7413	-45.349	-0.4095	0.351225	-1.13085	67.158
1171_1171	1171	1171	-399.647	37.87245	0.03465	-0.12285	1.13085	-67.1139
1171_1172	1171	1172	426.184	-31.9694	-0.03465	0.12285	-1.40648	240.3891
1172_1172	1172	1172	-426.184	31.96935	-0.0126	-0.0882	1.406475	-240.391
1172_1173	1172	1173	448.2104	-26.0741	0.0126	0.0882	-1.30725	384.2165
1173_1173	1173	1173	-448.21	26.07413	0.03465	-0.14333	1.30725	-384.215
1173_1174	1173	1174	465.7811	-20.171	-0.03465	0.143325	-1.58288	498.9458
1174_1174	1174	1174	-465.775	10.39973	0.020475	-0.03465	1.582875	-498.927
1174_1175	1174	1175	470.4399	-5.9724	-0.02048	0.03465	-1.70573	529.3906
1175_1175	1175	1175	-470.44	5.9724	-0.04095	0.064575	1.705725	-529.391
1175_1176	1175	1176	472.5819	-1.54508	0.04095	-0.06458	-1.4616	543.3797
1176_1176	1176	1176	-472.582	1.545075	0.020475	-0.0378	1.4616	-543.38

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1176_1177	1176	1177	472.2023	2.88225	-0.02048	0.0378	-1.58445	540.8912
1177_1177	1177	1177	-472.202	-2.88225	0.020475	-0.0378	1.58445	-540.891
1177_1178	1177	1178	469.298	7.309575	-0.02048	0.0378	-1.70888	521.9282
1178_1178	1178	1178	-469.295	-17.0352	-0.02363	0.13545	1.708875	-521.909
1178_1179	1178	1179	454.1292	22.93043	0.023625	-0.13545	-1.52145	422.8765
1179_1179	1179	1179	-454.129	-22.9304	0.023625	0.074025	1.52145	-422.878
1179_1180	1179	1180	434.4606	28.83353	-0.02363	-0.07403	-1.7073	294.4526
1180_1180	1180	1180	-434.461	-28.8335	0.023625	0.074025	1.7073	-294.453
1180_1181	1180	1181	410.308	34.73663	-0.02363	-0.07403	-1.89473	136.7368
1181_1181	1181	1181	-410.204	-42.0604	-0.46148	0.3465	1.894725	-136.69
1181_1182	1181	1182	377.1353	47.7792	0.461475	-0.3465	1.6821	-79.2414
1182_1182	1182	1182	-377.135	-47.7792	-0.46148	0.3465	-1.6821	79.2414
1182_1183	1182	1183	339.8567	53.49803	0.461475	-0.3465	5.258925	-322.661
1183_1183	1183	1183	-354.978	-53.6177	-0.55125	0.288225	-6.09053	396.311
1183_1184	1183	1184	304.8428	60.64223	0.55125	-0.28823	11.3337	-753.397
1184_1184	1184	1184	228.6459	132.4685	0.43785	-0.4473	-2.3688	4055.089
1184_1185	1184	1185	-206.705	-121.925	-0.43785	0.36225	-3.12323	-2878.51
1185_1185	1185	1185	204.0602	121.3286	0.4347	-0.75915	3.13425	2878.501
1185_1186	1185	1186	-158.426	-111.134	-0.4347	0.681975	-8.58218	-1835.44
1186_1186	1186	1186	155.7124	101.5371	-0.23153	-0.29768	8.528625	1835.52
1186_1187	1186	1187	-87.0975	-91.1957	0.231525	0.33075	-5.45265	-974.067
1187_1187	1187	1187	92.7234	89.96243	-0.2079	-0.2583	4.865175	929.4655
1187_1188	1187	1188	-8.85938	-81.1235	0.2079	0.278775	-2.4255	-252.867
1188_1188	1188	1188	7.44975	70.18515	-0.10238	-0.25673	2.41605	252.8826
1188_1189	1188	1189	45.45293	-63.9986	0.102375	0.2583	-1.57185	103.2728
1189_1189	1189	1189	-46.0168	63.64733	-0.09608	-0.21893	1.460025	-109.818
1189_1190	1189	1190	125.3165	-53.2791	0.096075	0.218925	-0.13073	608.4257
1190_1190	1190	1190	-125.327	42.7455	-0.02993	-0.21263	0.130725	-608.408
1190_1191	1190	1191	167.2099	-34.45	0.029925	0.212625	0.203175	871.7483
1191_1191	1191	1191	-167.21	34.44998	-0.03308	-0.15278	-0.20318	-871.751
1191_1192	1191	1192	200.0912	-26.1545	0.033075	0.152775	0.56385	1078.502
1192_1192	1192	1192	-200.088	15.0255	-0.01733	-0.00945	-0.56385	-1078.46
1192_1193	1192	1193	211.2721	-7.4025	0.017325	0.00945	0.73395	1148.78
1193_1193	1193	1193	-211.272	7.4025	-0.01418	-0.0945	-0.73395	-1148.78
1193_1194	1193	1194	214.8521	0.222075	0.014175	0.0945	0.874125	1171.291
1194_1194	1194	1194	-214.849	-10.8581	-0.01418	0.067725	-0.87413	-1171.27
1194_1195	1194	1195	200.2187	18.48263	0.014175	-0.06773	1.0206	1079.273
1195_1195	1195	1195	-200.219	-18.4826	-0.01418	0.067725	-1.0206	-1079.27
1195_1196	1195	1196	177.9845	26.10563	0.014175	-0.06773	1.1655	939.4718
1196_1196	1196	1196	-177.989	-37.0676	0.036225	0.1575	-1.1655	-939.421
1196_1197	1196	1197	133.2671	45.36315	-0.03623	-0.1575	0.767025	658.2209
1197_1197	1197	1197	-133.267	-45.3632	0.033075	0.20475	-0.76703	-658.218
1197_1198	1197	1198	79.59578	53.64923	-0.03308	-0.20475	0.398475	320.7503
1198_1198	1198	1198	-79.6115	-64.0931	0.09765	0.228375	-0.39848	-320.739
1198_1199	1198	1199	-14.3561	74.46128	-0.09765	-0.22838	-0.94185	-278.2
1199_1199	1199	1199	14.1939	-74.9716	0.10395	0.303975	1.019025	278.1915
1199_1200	1199	1200	-73.4407	81.17393	-0.10395	-0.30083	-1.88055	-681.592
1200_1200	1200	1200	75.0141	-91.7737	0.21105	0.376425	1.891575	681.6192
1200_1201	1200	1201	-163.03	100.589	-0.21105	-0.35438	-4.37378	-1409.57
1201_1201	1201	1201	147.5838	-101.958	0.3213	0.48825	6.673275	1512.996
1201_1202	1201	1202	-212.723	112.8157	-0.3213	-0.43628	-10.9337	-2504.25
1202_1202	1202	1202	216.1105	-122.403	-0.72765	0.7245	10.99823	2504.384
1202_1203	1202	1203	-256.648	133.1096	0.72765	-0.86783	-1.88055	-3648.49
1203_1203	1203	1203	259.5521	-133.469	-0.72765	0.84735	1.904175	3648.492
1203_1204	1203	1204	-276.362	144.5567	0.72765	-1.008	7.23555	-4974.84
1204_1204	1204	1204	-321.401	65.0853	0.87885	-0.56385	-22.0264	1076.873
1204_1205	1204	1205	372.3237	-57.6608	-0.87885	0.56385	13.67573	-692.983
1205_1205	1205	1205	-358.19	57.53633	0.754425	-0.66308	-12.3685	579.1102
1205_1206	1205	1206	396.1267	-51.4994	-0.75443	0.663075	6.522075	-308.796

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1206_1206	1206	1206	-396.127	51.49935	0.756	-0.66308	-6.52208	308.7977
1206_1207	1206	1207	429.9026	-45.4561	-0.756	0.663075	0.656775	-68.1235
1207_1207	1207	1207	-429.75	37.57163	0.033075	-0.1701	-0.65678	68.23688
1207_1208	1207	1208	454.5277	-31.3315	-0.03308	0.1701	0.395325	108.3238
1208_1208	1208	1208	-454.528	31.33148	0.105525	-0.18585	-0.39533	-108.321
1208_1209	1208	1209	474.8184	-25.0929	-0.10553	0.18585	-0.4536	252.9025
1209_1209	1209	1209	-474.818	25.0929	0.105525	-0.18585	0.4536	-252.902
1209_1210	1209	1210	490.622	-18.8543	-0.10553	0.18585	-1.3041	365.5087
1210_1210	1210	1210	-490.609	8.569575	-0.02835	0.0441	1.3041	-365.474
1210_1211	1210	1211	493.9704	-3.89025	0.02835	-0.0441	-1.13873	389.4172
1211_1211	1211	1211	-493.969	3.89025	0.070875	-0.0315	1.138725	-389.417
1211_1212	1211	1212	494.8052	0.789075	-0.07088	0.0315	-1.56083	395.3738
1212_1212	1212	1212	-494.805	-0.78908	0.067725	-0.02993	1.560825	-395.374
1212_1213	1212	1213	493.1231	5.4621	-0.06773	0.029925	-1.97033	383.3802
1213_1213	1213	1213	-493.123	-5.4621	-0.02835	0.042525	1.970325	-383.38
1213_1214	1213	1214	488.9147	10.14143	0.02835	-0.04253	-1.80495	353.3954
1214_1214	1214	1214	-488.894	-20.5301	0	0.181125	1.80495	-353.351
1214_1215	1214	1215	471.8858	26.7687	0	-0.18113	-1.80338	232.155
1215_1215	1215	1215	-471.886	-26.7687	-0.07403	0.2142	1.803375	-232.152
1215_1216	1215	1216	450.3886	33.00728	0.074025	-0.2142	-1.21275	78.97838
1216_1216	1216	1216	-450.389	-33.0073	0	0.203175	1.21275	-78.98
1216_1217	1216	1217	424.4058	39.24743	0	-0.20318	-1.21118	-106.164
1217_1217	1217	1217	-424.258	-47.0421	-0.70718	0.62685	1.211175	106.2637
1217_1218	1217	1218	389.3762	53.08695	0.707175	-0.62685	4.26825	-354.816
1218_1218	1218	1218	-389.376	-53.087	-0.70875	0.625275	-4.26825	354.816
1218_1219	1218	1219	350.3351	59.12235	0.70875	-0.62528	9.750825	-632.996
1219_1219	1219	1219	-361.171	-59.2043	-0.68828	0.675675	-10.0343	729.5274
1219_1220	1219	1220	308.3882	66.6225	0.688275	-0.67568	16.5753	-1109.72
1220_1220	1220	1220	300.4155	150.2408	0.7434	-2.3247	-2.54048	5038.827
1220_1221	1220	1221	-281.078	-139.143	-0.7434	2.156175	-6.80085	-3678.95
1221_1221	1221	1221	278.0978	139.2111	0.757575	0.366975	6.5205	3678.997
1221_1222	1221	1222	-232.993	-128.52	-0.75758	-0.51818	-16.0115	-2499.1
1222_1222	1222	1222	229.9358	121.3648	-0.3213	-0.5796	16.0524	2498.927
1222_1223	1222	1223	-155.259	-110.54	0.3213	0.631575	-11.7873	-1432.76
1223_1223	1223	1223	169.4306	109.5287	-0.20318	-0.02993	7.69545	1337.208
1223_1224	1223	1224	-70.3017	-100.208	0.203175	0.051975	-5.30303	-577.735
1224_1224	1224	1224	68.54558	88.53705	-0.13703	-0.13388	5.299875	577.7254
1224_1225	1224	1225	-2.65388	-81.9551	0.137025	0.1386	-4.1706	-136.764
1225_1225	1225	1225	0.225225	82.05435	-0.14175	-0.19373	4.550175	145.3473
1225_1226	1225	1226	112.7684	-68.8165	0.14175	0.193725	-2.21918	640.573
1226_1226	1226	1226	-112.772	56.11725	-0.05828	0.252	2.219175	-640.45
1226_1227	1226	1227	170.3756	-46.1633	0.058275	-0.252	-1.50255	1041.111
1227_1227	1227	1227	-170.377	46.16325	-0.04725	-0.4221	1.50255	-1041.11
1227_1228	1227	1228	216.7373	-36.2171	0.04725	0.4221	-0.91193	1363.566
1228_1228	1228	1228	-216.695	22.18073	-0.01418	0.4599	0.911925	-1363.19
1228_1229	1228	1229	236.0736	-12.2267	0.014175	-0.4599	-0.7371	1497.989
1229_1229	1229	1229	-236.075	12.22673	-0.00788	-0.18743	0.7371	-1497.99
1229_1230	1229	1230	244.24	-2.2806	0.007875	0.187425	-0.64733	1554.78
1230_1230	1230	1230	-244.205	-11.4046	0.12285	0.546525	0.647325	-1554.18
1230_1231	1230	1231	225.7684	21.35228	-0.12285	-0.54653	-2.1546	1425.944
1231_1231	1231	1231	-225.765	-21.3523	0.12915	-0.07245	2.1546	-1425.95
1231_1232	1231	1232	196.1552	31.2921	-0.12915	0.07245	-3.74535	1220
1232_1232	1232	1232	-196.111	-44.1945	0.17325	0.65205	3.74535	-1219.61
1232_1233	1232	1233	152.6443	52.16715	-0.17325	-0.65205	-5.45423	917.2753
1233_1233	1233	1233	-152.64	-52.1672	0.17955	0.263025	5.454225	-917.286
1233_1234	1233	1234	93.14865	61.42343	-0.17955	-0.26303	-7.51275	518.6057
1234_1234	1234	1234	-92.2147	-61.7447	0.3087	-0.07245	12.2724	-521.943
1234_1235	1234	1235	74.151	64.27418	-0.3087	0.074025	-13.2426	392.1692
1235_1235	1235	1235	-72.5225	-74.7212	-0.44888	0.252	13.2615	-391.895

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1235_1236	1235	1236	22.80443	80.6526	0.448875	-0.2772	-10.0517	29.17941
1236_1236	1236	1236	-22.9997	-80.5723	-0.44258	0.294525	10.05008	-29.1891
1236_1237	1236	1237	-43.0227	88.70085	0.442575	-0.32445	-5.7519	-516.672
1237_1237	1237	1237	34.23105	-90.1798	-0.6678	0.6741	8.8893	575.6067
1237_1238	1237	1238	-59.546	94.31415	0.6678	-0.70718	-5.7015	-881.142
1238_1238	1238	1238	61.15725	-107.691	0.407925	-0.5733	5.624325	880.6233
1238_1239	1238	1239	-116.433	117.1044	-0.40793	0.631575	-10.0044	-1763.79
1239_1239	1239	1239	118.6668	-117.235	0.423675	0.17955	10.09103	1763.782
1239_1240	1239	1240	-158.017	127.0663	-0.42368	-0.10395	-14.7263	-2772.33
1240_1240	1240	1240	162.8361	-140.778	-2.13098	1.4994	14.94833	2772.245
1240_1241	1240	1241	-194.542	151.6757	2.130975	-1.9593	10.38398	-4071.47
1241_1241	1241	1241	-329.797	83.68763	-0.75758	-2.39085	-8.58375	849.7235
1241_1242	1241	1242	387.6737	-75.5921	0.757575	2.39085	15.78308	-324.396
1242_1242	1242	1242	-382.826	75.5307	-0.61583	-2.19713	-14.8964	300.9935
1242_1243	1242	1243	401.0108	-72.8375	0.615825	2.197125	16.84778	-138.972
1243_1243	1243	1243	-401.318	57.84188	0.54495	-0.945	-16.8478	139.4395
1243_1244	1243	1244	439.803	-50	-0.54495	0.945	11.82353	203.4522
1244_1244	1244	1244	-439.79	49.99995	0.836325	-1.0773	-11.8235	-203.435
1244_1245	1244	1245	476.5304	-41.1422	-0.83633	1.0773	3.120075	530.7703
1245_1245	1245	1245	-476.053	32.61668	-0.21893	-0.18428	-3.12008	-530.345
1245_1246	1245	1246	497.5504	-24.3196	0.218925	0.184275	5.2479	721.8824
1246_1246	1246	1246	-497.55	24.31958	0.0693	-0.6489	-5.2479	-721.874
1246_1247	1246	1247	512.946	-15.9107	-0.0693	0.6489	4.56435	859.0475
1247_1247	1247	1247	-512.804	5.510925	0.09765	0.414225	-4.56435	-858.526
1247_1248	1247	1248	513.9619	2.2176	-0.09765	-0.41423	3.6792	868.8472
1248_1248	1248	1248	-513.96	-2.2176	0.272475	0.074025	-3.6792	-868.849
1248_1249	1248	1249	508.4919	11.18565	-0.27248	-0.07403	0.80955	820.1198
1249_1249	1249	1249	-508.06	-20.0025	-0.92138	0.94815	-0.80955	-819.729
1249_1250	1249	1250	488.5193	28.80203	0.921375	-0.94815	10.33358	645.624
1250_1250	1250	1250	-488.535	-28.802	-0.56385	0.43155	-10.3336	-645.637
1250_1251	1250	1251	464.9699	36.70695	0.56385	-0.43155	15.5736	435.6781
1251_1251	1251	1251	-465.116	-54.6163	0.2835	0.225225	-15.5736	-435.681
1251_1252	1251	1252	418.865	63.24098	-0.2835	-0.22523	12.70553	23.59823
1252_1252	1252	1252	-418.859	-63.241	0.552825	0.209475	-12.7055	-23.6014
1252_1253	1252	1253	359.8103	72.78075	-0.55283	-0.20948	6.5016	-502.507
1253_1253	1253	1253	-361.036	-72.7619	0.474075	0.14805	-6.28898	508.4116
1253_1254	1253	1254	342.8145	75.45038	-0.47408	-0.14805	4.79115	-669.755
1254_1254	1254	1254	-342.706	-88.5481	0.3717	0.56385	-4.79115	669.7026
1254_1255	1254	1255	297.7475	93.93773	-0.3717	-0.56385	2.43495	-1078.47
1255_1255	1255	1255	223.2578	144.7709	0.6426	-0.93555	13.83165	4396.047
1255_1256	1255	1256	-207.717	-137.275	-0.6426	0.8379	-19.0355	-3507.23
1256_1256	1256	1256	205.8982	137.4329	0.647325	0.26145	18.86693	3507.257
1256_1257	1256	1257	-185.113	-130.813	-0.64733	-0.34493	-23.5683	-2790.52
1257_1257	1257	1257	181.9535	112.0644	-0.29295	-1.06943	23.6565	2790.135
1257_1258	1257	1258	-149.943	-102.759	0.29295	1.116675	-20.6136	-1959.12
1258_1258	1258	1258	147.8768	103.0365	-0.28508	-0.4662	20.50335	1959.159
1258_1259	1258	1259	-90.2302	-91.9895	0.285075	0.5103	-16.9045	-1060.34
1259_1259	1259	1259	105.5581	84.59955	-0.02205	-0.23468	10.89113	961.1545
1259_1260	1259	1260	-40.55	-75.4378	0.02205	0.23625	-10.6502	-385.408
1260_1260	1260	1260	39.2994	75.40155	-0.0189	-0.32288	10.63755	385.4197
1260_1261	1260	1261	20.8278	-67.1722	0.0189	0.32445	-10.4627	61.09898
1261_1261	1261	1261	-21.3365	66.7674	-0.0126	-0.43943	7.917525	-56.2937
1261_1262	1261	1262	40.94685	-64.0033	0.0126	0.439425	-7.875	179.9737
1262_1262	1262	1262	-40.8886	48.91793	-0.24255	0.089775	7.875	-179.846
1262_1263	1262	1263	87.26918	-39.2144	0.24255	-0.08978	-5.18648	472.3646
1263_1263	1263	1263	-87.2755	39.21435	-0.23625	-0.08348	5.186475	-472.365
1263_1264	1263	1264	125.7055	-28.7957	0.23625	0.083475	-2.35935	714.7382
1264_1264	1264	1264	-125.724	15.23183	-0.0126	0.247275	2.35935	-714.661
1264_1265	1264	1265	136.8817	-5.12505	0.0126	-0.24728	-2.21288	785.032

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1265_1265	1265	1265	-136.883	5.12505	-0.00788	-0.0504	2.212875	-785.035
1265_1266	1265	1266	137.0077	4.896675	0.007875	0.0504	-2.12783	785.8179
1266_1266	1266	1266	-137.003	-18.3692	0.042525	0.24885	2.127825	-785.782
1266_1267	1266	1267	111.0533	28.5642	-0.04253	-0.24885	-2.63183	622.1156
1267_1267	1267	1267	-111.053	-28.5642	0.04725	0.086625	2.631825	-622.119
1267_1268	1267	1268	74.95898	38.48985	-0.04725	-0.08663	-3.1626	394.4777
1268_1268	1268	1268	-74.959	-51.8459	0.039375	0.266175	3.1626	-394.486
1268_1269	1268	1269	3.850875	63.23783	-0.03938	-0.26618	-3.6666	-53.9768
1269_1269	1269	1269	-3.85245	-63.2378	0.042525	0.285075	3.6666	53.96895
1269_1270	1269	1270	-70.1411	73.23435	-0.04253	-0.28508	-4.16115	-520.637
1270_1270	1270	1270	70.13948	-83.2277	-0.08505	0.2205	4.16115	520.6273
1270_1271	1270	1271	-145.848	91.22873	0.08505	-0.2205	-3.3831	-998.111
1271_1271	1271	1271	145.845	-91.2287	-0.0819	0.48825	3.3831	998.1011
1271_1272	1271	1272	-247.384	100.9701	0.0819	-0.48825	-2.4759	-1753.2
1272_1272	1272	1272	230.6052	-101.183	-0.10553	1.18125	3.381525	1910.118
1272_1273	1272	1273	-266.673	104.8383	0.105525	-1.18283	-2.94053	-2210.94
1273_1273	1273	1273	268.0272	-119.349	0.187425	-0.77963	2.91375	2211.183
1273_1274	1273	1274	-340.392	126.3434	-0.18743	0.7875	-4.40528	-2828.22
1274_1274	1274	1274	342.0837	-125.137	0.190575	-0.35753	4.41	2828.228
1274_1275	1274	1275	-399.804	132.2024	-0.19058	0.3717	-5.91098	-3524.03
1275_1275	1275	1275	350.7147	-133.588	0.303975	2.10735	9.25155	3836.044
1275_1276	1275	1276	-371.257	137.4975	-0.30398	-2.09475	-10.5242	-4276.81
1276_1276	1276	1276	373.4483	-143.393	-2.39558	-3.4839	10.1745	4277.052
1276_1277	1276	1277	-413.789	154.9469	2.395575	3.12165	17.99438	-5617.38
1277_1277	1277	1277	417.0915	-153.794	-2.38455	1.623825	-17.651	5617.421
1277_1278	1277	1278	-429.326	166.876	2.38455	-2.11365	48.13988	-7284.88
1278_1278	1278	1278	433.5865	-176.178	1.201725	-3.57683	-48.9132	7284.955
1278_1279	1278	1279	-431.663	186.2375	-1.20173	3.78315	37.34798	-8553.61
1279_1279	1279	1279	-287.19	112.4141	0.348075	1.589175	-37.863	2741.258
1279_1280	1279	1280	366.2269	-103.832	-0.34808	-1.58918	34.5555	-2023.04
1280_1280	1280	1280	-338.948	103.6445	0.378	1.6065	-31.363	1923.215
1280_1281	1280	1281	382.3675	-98.7572	-0.378	-1.6065	29.3139	-1548.36
1281_1281	1281	1281	-448.201	88.4331	0.902475	-1.0836	-55.1849	1851.091
1281_1282	1281	1282	518.5073	-79.747	-0.90248	1.0836	44.03858	-1093.01
1282_1282	1282	1282	-518.496	79.74698	1.5309	-0.1764	-44.0386	1093.015
1282_1283	1282	1283	580.4978	-71.2136	-1.5309	0.1764	25.44255	-424.489
1283_1283	1283	1283	-580.496	45.64823	-0.48983	-0.02363	-25.4426	424.4924
1283_1284	1283	1284	615.1478	-36.9306	0.489825	0.023625	31.51103	-50.8631
1284_1284	1284	1284	-615.149	36.9306	0.193725	0.02205	-31.511	50.86305
1284_1285	1284	1285	639.272	-29.3706	-0.19373	-0.02205	29.41943	209.2529
1285_1285	1285	1285	-639.28	11.4849	1.0332	-0.0693	-29.4194	-209.245
1285_1286	1285	1286	644.9972	-3.62093	-1.0332	0.0693	17.85735	270.8937
1286_1286	1286	1286	-644.985	3.620925	1.664775	-0.29453	-17.8574	-270.891
1286_1287	1286	1287	644.9609	3.690225	-1.66478	0.294525	0.543375	270.6291
1287_1287	1287	1287	-645.019	-24.0377	-1.94828	-0.07403	-0.54338	-270.635
1287_1288	1287	1288	619.6444	33.24195	1.948275	0.074025	26.05523	-2.97045
1288_1288	1288	1288	-619.66	-33.242	-1.22378	-0.07088	-26.0552	2.972025
1288_1289	1288	1289	591.4314	41.12798	1.223775	0.070875	39.78293	-307.35
1289_1289	1289	1289	-591.392	-57.4623	2.7531	2.29635	-39.7829	307.3077
1289_1290	1289	1290	575.4436	60.27683	-2.7531	-2.29635	28.75478	-479.269
1290_1290	1290	1290	-594.752	-60.3761	3.2004	2.83815	-30.1093	521.2368
1290_1291	1290	1291	554.9938	67.0635	-3.2004	-2.83815	-0.29768	-990.449
1291_1291	1291	1291	253.3451	254.2066	7.095375	-8.09078	4.1391	6263.352
1291_1292	1291	1292	-220.943	-248.281	-7.09538	7.42455	-56.8559	-4740.39
1292_1292	1292	1292	213.4661	221.7537	-1.9089	-2.3814	55.97708	4740.436
1292_1293	1292	1293	-140.238	-211.943	1.9089	2.646	-31.7914	-2567.3
1293_1293	1293	1293	134.7712	212.1431	-1.88055	-0.03938	31.44803	2567.35
1293_1294	1293	1294	-38.6127	-203.774	1.88055	0.206325	-10.4155	-753.905
1294_1294	1294	1294	34.1964	186.2564	-0.7434	-0.51818	10.41075	753.9066

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1294_1295	1294	1295	31.37243	-181.027	0.7434	0.54495	-5.16758	290.2498
1295_1295	1295	1295	-36.518	179.2397	-0.48983	-0.4788	3.51225	-272.257
1295_1296	1295	1296	116.9595	-174.083	0.489825	0.48825	-0.00945	1120.279
1296_1296	1296	1296	-118.898	173.5461	-0.4851	-0.70718	0	-1120.28
1296_1297	1296	1297	214.0409	-167.235	0.4851	0.707175	4.263525	2167.132
1297_1297	1297	1297	-214.132	144.7724	0.0504	1.32615	-4.2651	-2167.13
1297_1298	1297	1298	250.9605	-141.865	-0.0504	-1.32615	4.058775	2572.97
1298_1298	1298	1298	-218.002	143.0258	0.089775	0.9639	-6.25118	-2758.91
1298_1299	1298	1299	281.7455	-136.904	-0.08978	-0.9639	5.49675	3641.027
1299_1299	1299	1299	-281.744	136.9037	0.11025	-2.54363	-5.49675	-3641.02
1299_1300	1299	1300	367.2223	-128.237	-0.11025	2.543625	4.17375	4823.899
1300_1300	1300	1300	-367.222	101.9986	0.067725	3.4335	-4.17375	-4823.9
1300_1301	1300	1301	436.0829	-92.4809	-0.06773	-3.4335	3.277575	5776.821
1301_1301	1301	1301	-436.081	92.48085	0.0945	-3.528	-3.27758	-5776.82
1301_1302	1301	1302	489.9463	-84.2893	-0.0945	3.528	2.20815	6522.22
1302_1302	1302	1302	-489.946	56.13143	0.118125	5.35185	-2.20815	-6522.24
1302_1303	1302	1303	527.0738	-46.3964	-0.11813	-5.35185	0.618975	7036.013
1303_1303	1303	1303	-527.072	46.39635	0.149625	-4.57223	-0.61898	-7036.02
1303_1304	1303	1304	552.2596	-38.4127	-0.14963	4.572225	-1.02533	7384.561
1304_1304	1304	1304	-552.26	9.168075	0.28665	5.630625	1.025325	-7384.61
1304_1305	1304	1305	555.3844	0.278775	-0.28665	-5.63063	-4.77698	7427.84
1305_1305	1305	1305	-555.383	-0.27878	0.313425	-3.2508	4.776975	-7427.86
1305_1306	1305	1306	552.6691	8.54595	-0.31343	3.2508	-8.3601	7390.308
1306_1306	1306	1306	-552.666	-37.3653	0.499275	5.860575	8.3601	-7390.32
1306_1307	1306	1307	526.0847	45.94275	-0.49928	-5.86058	-14.2821	7022.471
1307_1307	1307	1307	-526.082	-45.9428	0.5229	-1.51358	14.2821	-7022.5
1307_1308	1307	1308	491.7434	55.07933	-0.5229	1.513575	-20.8814	6547.329
1308_1308	1308	1308	-491.743	-82.1788	0.212625	5.781825	20.88135	-6547.37
1308_1309	1308	1309	435.0922	90.97358	-0.21263	-5.78183	-23.4628	5763.404
1309_1309	1309	1309	-435.092	-90.9736	0.237825	-0.86153	23.46278	-5763.44
1309_1310	1309	1310	371.7315	99.89753	-0.23783	0.861525	-26.3939	4886.631
1310_1310	1310	1310	-371.736	-124.296	-0.60795	4.887225	26.39385	-4886.67
1310_1311	1310	1311	282.8905	133.5584	0.60795	-4.88723	-18.6118	3657.178
1311_1311	1311	1311	-282.9	-133.558	-0.58275	0.67725	18.61178	-3657.21
1311_1312	1311	1312	187.8865	142.8005	0.58275	-0.67725	-11.1683	2342.395
1312_1312	1312	1312	-187.899	-160.474	-0.62213	4.046175	11.16833	-2342.45
1312_1313	1312	1313	26.64585	173.4548	0.622125	-4.04618	0	110.9729
1400_1020	1400	1020	790.0688	-95.7931	-37.5071	-0.63945	139.9435	-1701.16
1400_1401	1400	1401	-790.069	95.79308	37.50705	0.63945	13.51823	1275.852
1401_1401	1401	1401	789.4231	-94.4291	-0.90405	-0.76545	-17.2982	-1275.81
1401_1402	1401	1402	-789.423	94.42913	0.90405	0.76545	20.45295	946.301
1402_1402	1402	1402	791.4737	-75.3307	-0.26303	0.518175	-20.234	-946.306
1402_1403	1402	1403	-791.474	75.33068	0.263025	-0.51818	23.10053	123.8312
1403_1403	1403	1403	804.4013	-50.9434	2.096325	-0.02835	-26.8648	-123.83
1403_1404	1403	1404	-804.401	50.94338	-2.09633	0.02835	11.74635	-243.481
1404_1404	1404	1404	805.37	-32.2103	1.620675	0.3906	-11.6928	243.4824
1404_1405	1404	1405	-805.37	32.21033	-1.62068	-0.3906	-0.00315	-475.83
1405_1405	1405	1405	808.3278	-3.92333	0.75285	0.045675	-4.32495	475.8264
1405_1406	1405	1406	-808.328	3.923325	-0.75285	-0.04568	-6.53153	-532.359
1406_1406	1406	1406	806.4977	24.53063	-0.81585	-0.13073	2.30895	532.3532
1406_1407	1406	1407	-806.498	-24.5306	0.81585	0.130725	4.9266	-314.954
1407_1407	1407	1407	805.8062	41.43038	-1.25055	0.1386	-4.85258	314.9543
1407_1408	1407	1408	-805.806	-41.4304	1.25055	-0.1386	11.80463	-84.7098
1408_1408	1408	1408	793.7575	-127.534	3.39255	0.389025	-12.5937	84.71138
1408_1409	1408	1409	-793.757	127.5341	-3.39255	-0.38903	2.34675	-469.915
1409_1409	1409	1409	792.6014	122.3901	3.3453	-0.189	-2.39243	469.8745
1409_1410	1409	1410	-792.601	-122.39	-3.3453	0.189	-7.7112	-100.203
1410_1410	1410	1410	793.0818	-45.6404	0.3969	-0.31343	6.852825	100.2015
1410_1411	1410	1411	-793.082	45.64035	-0.3969	0.313425	-9.05783	-353.846

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1411_1411	1411	1411	793.8599	-29.084	-0.98438	0.102375	8.78535	353.8521
1411_1412	1411	1412	-793.86	29.08395	0.984375	-0.10238	-0.06773	-611.544
1412_1412	1412	1412	786.0809	-0.86468	-0.16538	-0.14333	3.425625	611.5457
1412_1413	1412	1413	-786.081	0.864675	0.165375	0.143325	-1.03635	-624.006
1413_1413	1413	1413	774.6165	26.66003	-1.42065	-0.17483	3.813075	624.0087
1413_1414	1413	1414	-774.617	-26.66	1.42065	0.174825	6.430725	-431.83
1414_1414	1414	1414	773.7849	44.69063	-0.92295	-0.3087	-6.34095	431.8319
1414_1415	1414	1415	-773.785	-44.6906	0.92295	0.3087	12.99375	-109.836
1415_1415	1415	1415	757.7735	68.52668	2.083725	1.45215	-10.2879	109.8185
1415_1416	1415	1416	-757.773	-68.5267	-2.08373	-1.45215	-12.4866	638.9019
1416_1416	1416	1416	755.9417	86.26275	-5.63693	-5.57235	14.31833	-638.84
1416_1417	1416	1417	-755.942	-86.2628	5.636925	5.57235	5.3109	939.2576
1417_1417	1417	1417	756.7576	88.34805	27.0585	0.127575	-2.37195	-939.368
1417_1036	1417	1036	-756.758	-88.3481	-27.0585	-0.12758	-108.595	1314.688
1420_1056	1420	1056	650.6404	-87.874	-34.031	-0.58748	139.0095	-1659.64
1420_1421	1420	1421	-650.64	87.87398	34.03103	0.587475	0.291375	1283.513
1421_1421	1421	1421	650.5018	-86.3305	-0.36383	0.49455	-2.94053	-1283.51
1421_1422	1421	1422	-650.502	86.33048	0.363825	-0.49455	4.206825	982.6189
1422_1422	1422	1422	652.3666	-70.8687	-0.64418	0.155925	-4.3218	-982.617
1422_1423	1422	1423	-652.367	70.8687	0.644175	-0.15593	11.36363	208.5599
1423_1423	1423	1423	665.2895	-50.4189	1.54665	0.092925	-14.7215	-208.543
1423_1424	1423	1424	-665.289	50.4189	-1.54665	-0.09293	3.586275	-154.545
1424_1424	1424	1424	666.2691	-35.2202	0.874125	0.3339	-3.52643	154.5453
1424_1425	1424	1425	-666.269	35.22015	-0.87413	-0.3339	-2.7846	-408.637
1425_1425	1425	1425	671.8997	-11.6991	0.445725	0.1071	-1.04738	408.6558
1425_1426	1425	1426	-671.9	11.6991	-0.44573	-0.1071	-5.36918	-577.296
1426_1426	1426	1426	673.911	12.26138	-0.33705	-0.2898	1.55925	577.3178
1426_1427	1426	1427	-673.911	-12.2614	0.33705	0.2898	1.422225	-468.689
1427_1427	1427	1427	673.5062	26.33558	-1.65848	0.6426	-1.01273	468.6901
1427_1428	1427	1428	-673.506	-26.3356	1.658475	-0.6426	10.22333	-322.358
1428_1428	1428	1428	664.9272	-115.188	1.069425	-0.41738	-10.6911	322.3379
1428_1429	1428	1429	-664.927	115.1876	-1.06943	0.417375	7.46235	-670.035
1429_1429	1429	1429	665.0879	116.528	0.5355	0.52605	-7.48598	670.5295
1429_1430	1429	1430	-665.088	-116.528	-0.5355	-0.52605	5.86215	-317.648
1430_1430	1430	1430	672.1643	-25.3969	0.949725	-0.37328	-6.1047	317.646
1430_1431	1430	1431	-672.164	25.39688	-0.94973	0.373275	0.830025	-458.761
1431_1431	1431	1431	672.5471	-11.4046	-0.02363	0.3024	-1.12298	458.7597
1431_1432	1431	1432	-672.547	11.40458	0.023625	-0.3024	1.3293	-559.779
1432_1432	1432	1432	668.367	12.52283	-0.25673	-0.02363	2.64915	559.8007
1432_1433	1432	1433	-668.367	-12.5228	0.256725	0.023625	1.059975	-379.334
1433_1433	1433	1433	660.8763	36.0108	-0.30555	-0.2394	2.584575	379.3577
1433_1434	1433	1434	-660.876	-36.0108	0.30555	0.2394	-0.38115	-119.642
1434_1434	1434	1434	659.8604	51.34185	-1.45215	-0.03465	0.30555	119.6433
1434_1435	1434	1435	-659.86	-51.3419	1.45215	0.03465	10.1619	250.4045
1435_1435	1435	1435	644.9168	71.54753	-0.9828	0.143325	-6.79928	-250.39
1435_1436	1435	1436	-644.917	-71.5475	0.9828	-0.14333	17.5455	1032.142
1436_1436	1436	1436	643.0583	86.65493	-2.0727	-1.25843	-17.051	-1032.15
1436_1437	1436	1437	-643.058	-86.6549	2.0727	1.258425	24.27233	1333.975
1437_1437	1437	1437	643.8159	88.26615	29.61473	0.3843	-22.9556	-1333.93
1437_1072	1437	1072	-643.816	-88.2662	-29.6147	-0.3843	-98.195	1711.978
1440_1094	1440	1094	733.5295	-83.7254	-30.7598	-0.51503	112.1085	-1277.7
1440_1441	1440	1441	-733.529	83.72543	30.75975	0.515025	13.88835	934.7389
1441_1441	1441	1441	733.1499	-81.8732	0.9009	-0.04095	-17.1029	-934.731
1441_1442	1441	1442	-733.15	81.87323	-0.9009	0.04095	13.95765	649.0528
1442_1442	1442	1442	734.9013	-64.2647	0.908775	0.300825	-13.9529	-649.053
1442_1443	1442	1443	-734.901	64.26473	-0.90878	-0.30083	4.02255	-52.9814
1443_1443	1443	1443	749.8418	-40.9658	0.79065	0.177975	-8.16795	52.99875
1443_1444	1443	1444	-749.842	40.96575	-0.79065	-0.17798	2.477475	-347.933
1444_1444	1444	1444	750.582	-23.855	0.893025	0.18585	-2.49008	347.9333

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1444_1445	1444	1445	-750.582	23.85495	-0.89303	-0.18585	-3.94853	-520.002
1445_1445	1445	1445	757.8932	2.60505	0.32445	0.061425	-0.51975	520.0209
1445_1446	1445	1446	-757.893	-2.60505	-0.32445	-0.06143	-4.14698	-482.451
1446_1446	1446	1446	762.0275	29.97068	0.943425	-0.07245	-0.56228	482.4698
1446_1447	1446	1447	-762.028	-29.9707	-0.94343	0.07245	-7.7931	-217.043
1447_1447	1447	1447	761.2511	45.6435	-0.20475	0.086625	7.93485	217.0382
1447_1448	1447	1448	-761.251	-45.6435	0.20475	-0.08663	-6.79455	36.67073
1448_1448	1448	1448	759.2744	-115.057	-4.44938	2.027025	7.193025	-36.6833
1448_1449	1448	1449	-759.274	115.0569	4.449375	-2.02703	6.213375	-310.073
1449_1449	1449	1449	759.0287	114.9435	4.90455	-2.03018	-6.21338	310.19
1449_1450	1449	1450	-759.029	-114.944	-4.90455	2.030175	-8.61998	37.4661
1450_1450	1450	1450	760.3549	-46.1948	-0.69458	0.089775	8.182125	-37.4582
1450_1451	1450	1451	-760.355	46.19475	0.694575	-0.08978	-4.32338	-219.372
1451_1451	1451	1451	761.144	-30.5503	-0.45518	-0.06773	4.3533	219.3707
1451_1452	1451	1452	-761.144	30.55028	0.455175	0.067725	-0.31973	-489.989
1452_1452	1452	1452	756.2426	-3.38153	-0.4095	-0.0756	4.770675	489.992
1452_1453	1452	1453	-756.243	3.381525	0.4095	0.0756	1.14345	-538.727
1453_1453	1453	1453	748.125	23.2659	-0.68355	-0.2331	3.261825	538.7319
1453_1454	1453	1454	-748.125	-23.2659	0.68355	0.2331	1.667925	-370.892
1454_1454	1454	1454	747.4352	39.67268	-0.7434	-0.16695	-1.6821	370.892
1454_1455	1454	1455	-747.435	-39.6727	0.7434	0.16695	7.02135	-85.995
1455_1455	1455	1455	733.2932	63.94028	-0.2331	-0.14805	-2.88698	85.99815
1455_1456	1455	1456	-733.293	-63.9403	0.2331	0.14805	5.43375	613.7366
1456_1456	1456	1456	731.5907	81.12983	-0.85838	-0.56228	-5.292	-613.738
1456_1457	1456	1457	-731.591	-81.1298	0.858375	0.562275	8.286075	896.8223
1457_1457	1457	1457	732.3199	83.06078	28.64138	0.4851	-5.17073	-896.819
1457_1110	1457	1110	-732.32	-83.0608	-28.6414	-0.4851	-112.149	1249.423
1460_1132	1460	1132	661.2701	-91.5296	-32.6828	-0.5418	148.2075	-1763.79
1460_1461	1460	1461	-661.27	91.52955	32.68283	0.5418	-14.3829	1337.624
1461_1461	1461	1461	660.8369	-89.6411	-2.88855	-0.39375	11.62665	-1337.62
1461_1462	1461	1462	-660.837	89.64113	2.88855	0.39375	-1.5498	1024.942
1462_1462	1462	1462	662.7994	-73.7604	-2.30108	0.50715	1.8144	-1024.94
1462_1463	1462	1463	-662.799	73.7604	2.301075	-0.50715	23.3226	219.4495
1463_1463	1463	1463	681.0111	-52.0065	1.167075	0.244125	-25.7418	-219.602
1463_1464	1463	1464	-681.011	52.0065	-1.16708	-0.24413	17.32343	-155.254
1464_1464	1464	1464	682.0286	-36.1793	3.104325	0.196875	-17.4715	155.2383
1464_1465	1464	1465	-682.029	36.17933	-3.10433	-0.19688	-4.9203	-416.18
1465_1465	1465	1465	686.5299	-11.4928	0.3717	0.0567	-0.0819	416.1434
1465_1466	1465	1466	-686.53	11.49278	-0.3717	-0.0567	-5.2668	-581.777
1466_1466	1466	1466	685.4117	13.64265	-0.88043	0.24255	0.631575	581.7373
1466_1467	1466	1467	-685.412	-13.6427	0.880425	-0.24255	7.164675	-460.921
1467_1467	1467	1467	684.9864	27.72315	0.436275	-0.4788	-7.55685	460.9143
1467_1468	1467	1468	-684.986	-27.7232	-0.43628	0.4788	5.13135	-306.818
1468_1468	1468	1468	673.4322	-114.769	2.0223	-2.4885	-5.0211	306.7927
1468_1469	1468	1469	-673.432	114.7687	-2.0223	2.4885	-1.09148	-653.797
1469_1469	1469	1469	668.3276	113.263	-0.1701	2.45385	-10.8187	639.05
1469_1470	1469	1470	-668.328	-113.263	0.1701	-2.45385	11.33055	-296.598
1470_1470	1470	1470	677.6138	-28.1878	0.395325	0.105525	-11.3006	296.5898
1470_1471	1470	1471	-677.614	28.18778	-0.39533	-0.10553	9.10665	-453.268
1471_1471	1471	1471	678.0501	-14.2427	1.10565	-0.17798	-8.89875	453.2724
1471_1472	1471	1472	-678.05	14.24273	-1.10565	0.177975	-0.89618	-579.405
1472_1472	1472	1472	676.0199	10.63283	-0.50085	-0.16695	5.32665	579.3748
1472_1473	1472	1473	-676.02	-10.6328	0.50085	0.16695	1.8963	-426.055
1473_1473	1473	1473	669.5687	34.49093	-0.86783	-0.31815	2.3625	426.0139
1473_1474	1473	1474	-669.569	-34.4909	0.867825	0.31815	3.891825	-177.249
1474_1474	1474	1474	668.608	49.75425	-0.94185	-0.20948	-3.90443	177.2489
1474_1475	1474	1475	-668.608	-49.7543	0.94185	0.209475	10.68323	180.9171
1475_1475	1475	1475	655.2709	70.6104	0.6741	-0.4032	-7.04498	-180.95
1475_1476	1475	1476	-655.271	-70.6104	-0.6741	0.4032	-0.31185	952.182

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1476_1476	1476	1476	653.3872	86.31158	1.119825	0.263025	0.121275	-952.182
1476_1477	1476	1477	-653.387	-86.3116	-1.11983	-0.26303	-4.02885	1253.305
1477_1477	1477	1477	653.3179	88.02833	29.24145	0.72135	7.2639	-1253.3
1477_1148	1477	1148	-653.318	-88.0283	-29.2415	-0.72135	-127.022	1613.819
1480_1168	1480	1168	621.2225	-90.6822	-28.4036	-0.53865	117.4667	-1826.5
1480_1481	1480	1481	-621.223	90.6822	28.40355	0.53865	-1.13715	1455.098
1481_1481	1481	1481	620.2996	-89.6616	-1.6443	-2.55308	-3.06495	-1455
1481_1482	1481	1482	-620.3	89.6616	1.6443	2.553075	8.799525	1142.207
1482_1482	1482	1482	622.2731	-74.7653	0.19215	1.1529	-7.83563	-1142.22
1482_1483	1482	1483	-622.273	74.76525	-0.19215	-1.1529	5.73615	325.5919
1483_1483	1483	1483	633.8162	-55.2951	0.669375	0.263025	-9.135	-325.623
1483_1484	1483	1484	-633.816	55.2951	-0.66938	-0.26303	4.313925	-72.9603
1484_1484	1484	1484	634.9298	-40.55	0.757575	0.3528	-4.3092	72.9603
1484_1485	1484	1485	-634.93	40.54995	-0.75758	-0.3528	-1.14975	-365.428
1485_1485	1485	1485	638.242	-17.8574	0.625275	0.17325	-2.93265	365.4016
1485_1486	1485	1486	-638.242	17.85735	-0.62528	-0.17325	-6.07635	-622.741
1486_1486	1486	1486	636.8465	5.52195	-1.71045	0.34335	2.17665	622.7078
1486_1487	1486	1487	-636.847	-5.52195	1.71045	-0.34335	12.97643	-573.81
1487_1487	1487	1487	636.6008	18.60548	-0.49298	-0.47408	-13.4631	573.7977
1487_1488	1487	1488	-636.601	-18.6055	0.492975	0.474075	16.20675	-470.378
1488_1488	1488	1488	621.9675	-113.052	2.0979	-4.5297	-16.1816	470.3596
1488_1489	1488	1489	-621.968	113.0519	-2.0979	4.5297	9.8406	-812.172
1489_1489	1489	1489	622.8936	113.7087	-2.11208	4.4982	-10.9305	814.5806
1489_1490	1489	1490	-622.894	-113.709	2.112075	-4.4982	17.31713	-470.779
1490_1490	1490	1490	637.5679	-18.092	0.996975	0.121275	-17.1565	470.7518
1490_1491	1490	1491	-637.568	18.09203	-0.99698	-0.12128	11.62035	-571.312
1491_1491	1491	1491	637.8041	-4.97228	1.661625	-0.2331	-11.3573	571.3187
1491_1492	1491	1492	-637.804	4.972275	-1.66163	0.2331	-3.3579	-615.356
1492_1492	1492	1492	639.2563	18.39758	-0.69458	-0.23625	7.221375	615.3131
1492_1493	1492	1493	-639.256	-18.3976	0.694575	0.23625	2.7846	-350.184
1493_1493	1493	1493	635.396	41.11065	-0.9261	-0.41895	1.1592	350.1509
1493_1494	1493	1494	-635.396	-41.1107	0.9261	0.41895	5.514075	-53.6445
1494_1494	1494	1494	634.2683	55.86525	-1.01273	-0.28193	-5.5251	53.6445
1494_1495	1494	1495	-634.268	-55.8653	1.012725	0.281925	12.82838	349.0515
1495_1495	1495	1495	622.5597	75.2976	0.946575	-0.21735	-9.7776	-349.085
1495_1496	1495	1496	-622.56	-75.2976	-0.94658	0.21735	-0.567	1171.524
1496_1496	1496	1496	620.5736	90.20813	0.820575	-0.48038	0.628425	-1171.52
1496_1497	1496	1497	-620.574	-90.2081	-0.82058	0.480375	-3.48863	1486.242
1497_1497	1497	1497	620.2586	91.68548	31.63545	0.84105	6.225975	-1486.22
1497_1184	1497	1184	-620.259	-91.6855	-31.6355	-0.84105	-135.792	1898.955
1500_1204	1500	1204	700.5616	-94.93	-38.2977	-1.30253	163.5732	-1790.86
1500_1501	1500	1501	-700.562	94.92998	38.2977	1.302525	-6.7284	1384.337
1501_1501	1501	1501	699.5583	-93.4605	-0.97493	0.984375	5.5881	-1384.3
1501_1502	1501	1502	-699.558	93.4605	0.974925	-0.98438	-2.18453	1058.236
1502_1502	1502	1502	701.6184	-76.4694	-1.44113	0.206325	1.995525	-1058.24
1502_1503	1502	1503	-701.618	76.4694	1.441125	-0.20633	13.72928	223.7382
1503_1503	1503	1503	719.6285	-54.7313	0.965475	0.31815	-15.6382	-223.762
1503_1504	1503	1504	-719.629	54.73125	-0.96548	-0.31815	8.67825	-170.763
1504_1504	1504	1504	720.7058	-37.9937	1.066275	0.49455	-8.67668	170.7615
1504_1505	1504	1505	-720.706	37.99373	-1.06628	-0.49455	0.990675	-444.788
1505_1505	1505	1505	731.7545	-12.5606	0.326025	0.2205	-3.61935	444.7627
1505_1506	1505	1506	-731.754	12.56063	-0.32603	-0.2205	-1.0899	-625.894
1506_1506	1506	1506	737.9537	13.8537	1.198575	-0.07875	-1.75455	625.8593
1506_1507	1506	1507	-737.954	-13.8537	-1.19858	0.07875	-8.8578	-503.17
1507_1507	1507	1507	737.5127	29.03198	0.42525	0.2583	9.092475	503.1653
1507_1508	1507	1508	-737.513	-29.032	-0.42525	-0.2583	-11.455	-341.799
1508_1508	1508	1508	732.6302	-126.824	-1.8963	2.0601	11.79675	341.7955
1508_1509	1508	1509	-732.63	126.8237	1.8963	-2.0601	-6.06218	-725.251
1509_1509	1509	1509	732.6585	126.0788	-1.16708	-2.25225	6.10785	725.1048

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1509_1510	1509	1510	-732.659	-126.079	1.167075	2.25225	-2.59088	-345.133
1510_1510	1510	1510	741.2281	-29.4383	0.609525	-0.61898	3.019275	345.1676
1510_1511	1510	1511	-741.228	29.43833	-0.60953	0.618975	-6.4071	-508.802
1511_1511	1511	1511	741.677	-14.2034	-0.81428	0.218925	5.970825	508.8085
1511_1512	1511	1512	-741.677	14.20335	0.814275	-0.21893	1.245825	-634.588
1512_1512	1512	1512	738.6876	12.2913	-0.20318	-0.25043	2.08845	634.5612
1512_1513	1512	1513	-738.688	-12.2913	0.203175	0.250425	0.833175	-457.32
1513_1513	1513	1513	731.4899	37.87245	-1.22693	-0.47723	1.964025	457.2824
1513_1514	1513	1514	-731.49	-37.8725	1.226925	0.477225	6.887475	-184.125
1514_1514	1514	1514	730.4126	54.86198	-1.3293	-0.2898	-6.9048	184.1238
1514_1515	1514	1515	-730.413	-54.862	1.3293	0.2898	16.48395	211.3382
1515_1515	1515	1515	716.8392	76.84898	1.6758	-0.43628	-14.186	-211.374
1515_1516	1515	1516	-716.839	-76.849	-1.6758	0.436275	-4.10603	1050.021
1516_1516	1516	1516	714.7634	94.2102	2.15145	0.189	3.8997	-1050.02
1516_1517	1516	1517	-714.763	-94.2102	-2.15145	-0.189	-11.4077	1378.703
1517_1517	1517	1517	714.0011	95.91278	36.9306	1.512	13.4757	-1378.66
1517_1220	1517	1220	-714.001	-95.9128	-36.9306	-1.512	-164.725	1771.475
1520_1241	1520	1241	616.7653	-92.936	-8.86095	-2.18453	-13.6726	-2008.82
1520_1521	1520	1521	-616.765	92.93603	8.86095	2.184525	50.00625	1627.769
1521_1521	1521	1521	613.6956	-92.41	5.82435	3.8997	-49.5621	-1627.33
1521_1522	1521	1522	-613.696	92.40998	-5.82435	-3.8997	29.27768	1305.503
1522_1522	1522	1522	615.7305	-77.8444	3.61305	-0.27878	-30.6038	-1305.48
1522_1523	1522	1523	-615.731	77.84438	-3.61305	0.278775	-8.8326	455.7294
1523_1523	1523	1523	625.2057	-59.8626	0.741825	0.8001	6.7599	-455.284
1523_1524	1523	1524	-625.206	59.8626	-0.74183	-0.8001	-12.1102	23.79668
1524_1524	1524	1524	626.4279	-45.3348	-0.34335	0.47565	12.11018	-23.8046
1524_1525	1524	1525	-626.428	45.3348	0.34335	-0.47565	-9.6327	-303.186
1525_1525	1525	1525	630.0221	-24.2015	-0.5607	0.32445	8.25615	302.8709
1525_1526	1525	1526	-630.022	24.20145	0.5607	-0.32445	-0.17483	-651.7
1526_1526	1526	1526	632.309	-2.32785	0.38115	-0.47093	-0.65678	650.9286
1526_1527	1526	1527	-632.309	2.32785	-0.38115	0.470925	-2.72633	-671.55
1527_1527	1527	1527	632.2208	10.81553	-0.83318	0.75285	3.30435	671.5469
1527_1528	1527	1528	-632.221	-10.8155	0.833175	-0.75285	1.330875	-611.431
1528_1528	1528	1528	623.1614	-122.045	-1.96875	0.203175	-0.15593	610.8779
1528_1529	1528	1529	-623.161	122.0452	1.96875	-0.20318	6.099975	-979.515
1529_1529	1529	1529	622.5928	119.678	-0.48983	-0.87728	-5.95035	978.9633
1529_1530	1529	1530	-622.593	-119.678	0.489825	0.877275	7.429275	-617.558
1530_1530	1530	1530	633.9863	-12.4583	2.395575	-0.8757	-7.87028	617.4662
1530_1531	1530	1531	-633.986	12.45825	-2.39558	0.8757	-5.44793	-686.738
1531_1531	1531	1531	634.1108	0.486675	1.579725	-0.10238	5.044725	686.741
1531_1532	1531	1532	-634.111	-0.48668	-1.57973	0.102375	-19.0307	-682.43
1532_1532	1532	1532	633.065	23.38718	-0.21105	-0.63945	19.75838	681.901
1532_1533	1532	1533	-633.065	-23.3872	0.21105	0.63945	-16.7202	-344.73
1533_1533	1533	1533	630.8064	45.70493	0.14805	-0.504	17.93925	344.5439
1533_1534	1533	1534	-630.806	-45.7049	-0.14805	0.504	-19.0024	-14.8979
1534_1534	1534	1534	629.5716	60.36975	-0.36068	-0.93398	18.9819	14.90423
1534_1535	1534	1535	-629.572	-60.3698	0.360675	0.933975	-16.3863	420.2982
1535_1535	1535	1535	630.4079	79.6446	6.17715	0.622125	18.75353	-419.663
1535_1536	1535	1536	-630.408	-79.6446	-6.17715	-0.62213	-86.1903	1289.182
1536_1536	1536	1536	628.3006	94.90635	5.010075	-3.96428	86.8455	-1289.13
1536_1537	1536	1537	-628.301	-94.9064	-5.01008	3.964275	-104.331	1620.406
1537_1537	1537	1537	628.9085	95.3631	2.348325	-0.1449	107.0606	-1619.71
1537_1255	1537	1255	-628.909	-95.3631	-2.34833	0.1449	-116.667	2029.802
1540_1279	1540	1279	877.1506	-98.6312	6.651225	12.45353	12.1023	-1340.19
1540_1541	1540	1541	-877.151	98.63123	-6.65123	-12.4535	-39.3388	936.284
1541_1541	1541	1541	879.6706	-95.0686	0.0693	2.772	37.67243	-940.173
1541_1542	1541	1542	-879.671	95.06858	-0.0693	-2.772	-37.9134	608.2414
1542_1542	1542	1542	881.7165	-73.6817	-1.7388	0.571725	37.59525	-608.268
1542_1543	1542	1543	-881.717	73.68165	1.7388	-0.57173	-18.6149	-196.28

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1543_1543	1543	1543	884.468	-47.0909	0.663075	-0.55913	16.82888	195.6969
1543_1544	1543	1544	-884.468	47.09093	-0.66308	0.559125	-21.6074	-535.176
1544_1544	1544	1544	885.3264	-26.2868	-2.92793	1.126125	22.36185	535.1441
1544_1545	1544	1545	-885.326	26.28675	2.927925	-1.12613	-1.26315	-724.612
1545_1545	1545	1545	885.7863	3.932775	0.058275	-0.12758	0.47565	723.2936
1545_1546	1545	1546	-885.786	-3.93278	-0.05828	0.127575	-1.3041	-666.619
1546_1546	1546	1546	886.8872	34.90043	2.893275	-0.3087	0.754425	665.7714
1546_1547	1546	1547	-886.887	-34.9004	-2.89328	0.3087	-26.3718	-356.706
1547_1547	1547	1547	886.01	52.71998	1.523025	-0.30083	26.60648	356.6887
1547_1548	1547	1548	-886.01	-52.72	-1.52303	0.300825	-35.0816	-63.3544
1548_1548	1548	1548	884.6996	-133.716	-3.42563	4.24935	35.63595	62.22983
1548_1549	1548	1549	-884.7	133.7159	3.425625	-4.24935	-25.2945	-465.953
1549_1549	1549	1549	889.4545	138.1417	-3.79575	-4.89983	25.54965	468.8618
1549_1550	1549	1550	-889.454	-138.142	3.79575	4.899825	-14.2538	-57.7805
1550_1550	1550	1550	897.7736	-55.9913	2.197125	-0.59378	14.79555	58.25453
1550_1551	1550	1551	-897.774	55.99125	-2.19713	0.593775	-27.2286	-375.141
1551_1551	1551	1551	898.8289	-35.2485	0.981225	-0.7245	26.98133	375.1587
1551_1552	1551	1552	-898.829	35.2485	-0.98123	0.7245	-35.2469	-672.06
1552_1552	1552	1552	899.4683	1.009575	-0.1827	-1.23008	35.76353	671.4241
1552_1553	1552	1553	-899.468	-1.00958	0.1827	1.230075	-33.1853	-657.214
1553_1553	1553	1553	897.3941	35.30363	-2.5641	-1.48838	33.58058	656.4962
1553_1554	1553	1554	-897.394	-35.3036	2.5641	1.488375	-15.5216	-407.793
1554_1554	1554	1554	896.186	58.36005	-3.61148	-1.40018	15.31688	407.8006
1554_1555	1554	1555	-896.186	-58.3601	3.611475	1.400175	10.13355	3.551625
1555_1555	1555	1555	888.8733	89.73563	-4.3974	-0.62843	-8.69873	-3.5721
1555_1556	1555	1556	-888.873	-89.7356	4.3974	0.628425	55.51088	958.923
1556_1556	1556	1556	886.0194	114.4395	-6.39608	-1.323	-54.9203	-958.958
1556_1557	1556	1557	-886.019	-114.44	6.396075	1.323	76.8222	1350.887
1557_1557	1557	1557	877.0167	122.1444	15.17198	4.7754	-75.3354	-1348.88
1557_1291	1557	1291	-877.017	-122.144	-15.172	-4.7754	-9.69885	2074.157
41000_1000	41000	1000	0.138863	185.9324	5.511713	-9.88601	0	-3.39623
41000_1001	41000	1001	-0.13886	-162.375	-5.51171	9.886013	-93.734	2964.962
41001_1001	41001	1001	0.128887	162.3752	5.512238	-4.05825	93.73403	-2964.98
41001_1002	41001	1002	-0.12889	-147.341	-5.51224	4.05825	-153.56	4645.69
41002_1002	41002	1002	-0.24124	130.725	-7.30958	-5.83538	153.5599	-4645.47
41002_1003	41002	1003	0.241238	-113.834	7.309575	5.835375	-64.4228	6136.391
41003_1003	41003	1003	-0.23573	113.8339	-7.31141	-0.83344	64.42275	-6136.39
41003_1004	41003	1004	0.235725	-96.9428	7.311413	0.833438	24.72068	7421.488
41004_1004	41004	1004	-0.01785	89.88158	1.420125	-7.1337	-24.7207	-7420.91
41004_1005	41004	1005	0.01785	-72.9847	-1.42013	7.1337	7.409325	8414.166
41005_1005	41005	1005	-0.01916	72.98471	1.418288	-0.27878	-7.40933	-8414.17
41005_1006	41005	1006	0.019163	-56.0892	-1.41829	0.278775	-9.9057	9201.412
41006_1006	41006	1006	-0.0336	44.7867	0.702713	-6.08685	9.9057	-9200.9
41006_1007	41006	1007	0.0336	-27.8998	-0.70271	6.08685	-18.4627	9643.99
41007_1007	41007	1007	-0.0336	27.89981	0.702188	1.770563	18.46268	-9643.99
41007_1008	41007	1008	0.0336	-11.01	-0.70219	-1.77056	-27.0207	9881.193
41008_1008	41008	1008	-0.0441	-0.3843	-0.0378	-4.10261	27.0207	-9880.85
41008_1009	41008	1009	0.0441	17.26673	0.0378	4.102613	-26.5527	9773.291
41009_1009	41009	1009	-0.04253	-17.2667	-0.03675	2.901675	26.55266	-9773.29
41009_1010	41009	1010	0.042525	34.16228	0.03675	-2.90168	-26.0859	9459.632
41010_1010	41010	1010	-0.0441	-45.5871	-0.21525	-6.87488	26.08594	-9459.47
41010_1011	41010	1011	0.0441	62.47238	0.21525	6.874875	-23.4759	8800.834
41011_1011	41011	1011	-0.0441	-62.4724	-0.21473	8.34435	23.4759	-8800.83
41011_1012	41011	1012	0.0441	79.34771	0.214725	-8.34435	-20.8667	7936.952
41012_1012	41012	1012	-0.04541	-92.2236	-1.19726	4.617113	20.86665	-7936.93
41012_1013	41012	1013	0.045412	109.1147	1.197263	-4.61711	-6.25013	6709.392
41013_1013	41013	1013	-0.04699	-109.115	-1.19963	-0.84446	6.250125	-6709.4
41013_1014	41013	1014	0.046988	126.0045	1.199625	0.844463	8.3643	5276.042
41014_1014	41014	1014	-0.04226	-136.878	3.0408	0.384825	-8.3643	-5276.05

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41014_1015	41014	1015	0.042263	160.0578	-3.0408	-0.38483	-42.5082	2791.652
41015_1015	41015	1015	1.390725	-160.052	3.040013	-5.42273	42.46253	-2791.67
41015_1016	41015	1016	-1.50413	171.4792	-3.04001	5.422725	-67.5441	1424.121
41016_1016	41016	1016	5.075175	-188.158	1.547438	1.115625	80.50875	-272.784
41016_1017	41016	1017	-5.5419	204.3156	-1.54744	-1.11563	-98.6948	-2154.5
41017_1017	41017	1017	10.59975	-204.115	1.548225	1.882388	98.85461	2154.472
41017_1018	41017	1018	-11.6059	222.3464	-1.54823	-1.88239	-119.389	-5007.79
41018_1018	41018	1018	17.97416	-230.75	-4.62866	-2.43731	119.3002	5007.732
41018_1019	41018	1019	-19.3806	247.941	4.628663	2.437313	-61.2974	-8018.58
41019_1019	41019	1019	25.88513	-247.347	-4.62788	9.10455	62.56556	8018.562
41019_1020	41019	1020	-27.7578	264.548	4.627875	-9.10455	-4.38218	-11300
41020_1020	41020	1020	-948.052	86.23886	0.151462	-5.00981	-9.25785	2409.634
41020_1021	41020	1021	948.0521	-73.1648	-0.15146	5.009813	7.82565	-1605
41021_1021	41021	1021	-948.051	73.16479	1.255013	-3.44164	-7.82565	1375.895
41021_1022	41021	1022	948.0505	-62.5026	-1.25501	3.441638	-1.90102	-850.174
41022_1022	41022	1022	-948.05	62.50256	2.471438	-2.35148	1.901025	850.1787
41022_1023	41022	1023	948.0503	-51.8419	-2.47144	2.351475	-21.0462	-407.15
41023_1023	41023	1023	-948.032	44.44755	-2.68354	-1.69759	21.0462	407.153
41023_1024	41023	1024	948.0319	-33.4415	2.683538	1.697588	0.42945	-95.6057
41024_1024	41024	1024	-948.032	33.44145	-2.68354	-1.69759	-0.42945	95.60565
41024_1025	41024	1025	948.0319	-22.4354	2.683538	1.697588	21.90353	127.8987
41025_1025	41025	1025	-948.033	17.65785	-1.50623	-1.85588	-21.9035	-127.894
41025_1026	41025	1026	948.0335	-6.65464	1.506225	1.855875	33.95438	225.1313
41026_1026	41026	1026	-948.032	-2.61581	-2.07296	-1.01614	-33.9544	-225.131
41026_1027	41026	1027	948.0319	10.86619	2.072963	1.016138	46.38638	184.7079
41027_1027	41027	1027	-948.035	-10.8662	-0.32944	-1.35555	-46.3864	-184.706
41027_1028	41027	1028	948.035	19.12785	0.329438	1.35555	48.37219	94.64595
41028_1028	41028	1028	-948.035	-19.1279	-0.50138	-1.33954	-48.3722	-94.646
41028_1029	41028	1029	948.035	27.37534	0.501375	1.339538	51.37939	-44.7568
41029_1029	41029	1029	-948.035	-27.3753	-0.32944	-1.33088	-51.3794	44.75677
41029_1030	41029	1030	948.035	35.63858	0.329438	1.330875	53.36363	-233.965
41030_1030	41030	1030	-948.033	-44.9744	1.314863	-1.02349	-53.3636	233.9676
41030_1031	41030	1031	948.0335	55.97471	-1.31486	1.023488	42.84866	-637.517
41031_1031	41031	1031	-948.033	-55.9747	1.44165	-0.93949	-42.8487	637.5175
41031_1032	41031	1032	948.0335	66.98528	-1.44165	0.939488	31.31179	-1129.68
41032_1032	41032	1032	-948.033	-66.9853	1.314863	-1.09069	-31.3118	1129.682
41032_1033	41032	1033	948.0335	77.9856	-1.31486	1.090688	20.79683	-1709.23
41033_1033	41033	1033	-948.073	-85.176	-7.40565	-11.0728	-20.7968	1709.285
41033_1034	41033	1034	948.0731	95.84243	7.40565	11.07278	78.20978	-2410.95
41034_1034	41034	1034	-948.082	-95.8424	-6.18896	-7.97974	-78.2098	2410.96
41034_1035	41034	1035	948.0818	106.5047	6.188963	7.979738	126.1838	-3195.19
41035_1035	41035	1035	-948.097	-106.505	2.900625	23.37248	-126.184	3430.598
41035_1036	41035	1036	948.097	119.5772	-2.90063	-23.3725	98.62493	-4549.74
41036_1036	41036	1036	14.2653	229.1822	5.0778	-8.58296	-56.0075	13648.85
41036_1037	41036	1037	-12.3926	-211.984	-5.0778	8.582963	-7.81148	-10956.4
41037_1037	41037	1037	6.806625	212.2344	5.0862	-0.25279	6.929738	10956.43
41037_1038	41037	1038	-5.40015	-195.039	-5.0862	0.252787	-70.6881	-8352.44
41038_1038	41038	1038	-0.12521	186.7611	-2.74365	-5.21903	70.81988	8352.848
41038_1039	41038	1039	1.131375	-168.544	2.74365	5.219025	-34.4502	-6008.76
41039_1039	41039	1039	23.24201	259.8837	-5.86268	15.87443	3.624863	21660.81
41039_1040	41039	1040	-22.7769	-243.787	5.862675	-15.8744	65.32864	-18972.2
41040_1040	41040	1040	18.70916	234.5178	2.71635	-1.97006	-64.8782	18973.46
41040_1041	41040	1041	-18.5958	-223.22	-2.71635	1.970063	42.46935	-17314.5
41041_1041	41041	1041	16.59945	223.3757	2.712413	1.425638	-42.4854	17319.47
41041_1042	41041	1042	-16.5995	-201.044	-2.71241	-1.42564	-1.74641	-12725.6
41042_1042	41042	1042	16.56585	191.4434	-0.40189	-4.39163	1.746413	12725.95
41042_1043	41042	1043	-16.5659	-175.039	0.401888	4.391625	3.062325	-10530.6
41043_1043	41043	1043	16.56585	175.0387	-0.41554	4.36905	-3.06233	10530.55
41043_1044	41043	1044	-16.5659	-158.63	0.415538	-4.36905	8.03355	-8531.86

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41044_1044	41044	1044	16.56585	145.7594	-0.37354	-2.6943	-8.03355	8532.095
41044_1045	41044	1045	-16.5659	-129.355	0.373538	2.6943	12.51075	-6884.37
41045_1045	41045	1045	16.56585	129.3548	-0.38745	3.034238	-12.5108	6884.367
41045_1046	41045	1046	-16.5659	-112.952	0.38745	-3.03424	17.1507	-5433.23
41046_1046	41046	1046	16.57714	103.577	0.38745	-0.81585	-17.1507	5433.389
41046_1047	41046	1047	-16.5771	-87.1623	-0.38745	0.81585	12.51443	-4290.29
41047_1047	41047	1047	16.57714	87.16234	0.374588	2.478525	-12.5144	4290.286
41047_1048	41047	1048	-16.5771	-70.7621	-0.37459	-2.47853	8.034863	-3344.69
41048_1048	41048	1048	16.56401	60.7173	-0.60716	-0.60427	-8.03486	3344.762
41048_1049	41048	1049	-16.564	-44.3069	0.607163	0.604275	15.30008	-2715.42
41049_1049	41049	1049	16.56401	44.30685	-0.63236	3.745875	-15.3001	2715.419
41049_1050	41049	1050	-16.564	-27.9082	0.632363	-3.74588	22.8774	-2283.1
41050_1050	41050	1050	16.58344	18.87769	1.051838	0	-22.8774	2283.177
41050_1051	41050	1051	-16.5834	3.4356	-1.05184	0	5.735625	-2480.99
41051_1051	41051	1051	16.61573	-3.29464	1.0269	3.260775	-5.70649	2479.299
41051_1052	41051	1052	-16.7247	14.57978	-1.0269	-3.26078	-2.76544	-2363.34
41052_1052	41052	1052	17.27224	-26.7758	3.872663	-1.61044	2.696663	2363.344
41052_1053	41052	1053	-17.7277	42.86704	-3.87266	1.610438	-48.2073	-2717.99
41053_1053	41053	1053	22.40018	-41.0421	1.616475	5.553188	45.16785	2430.546
41053_1054	41053	1054	-23.3903	59.02208	-1.61648	-5.55319	-66.6209	-3084.08
41054_1054	41054	1054	25.4751	-66.7309	-3.84851	4.202625	66.76346	3084.082
41054_1055	41054	1055	-26.8593	83.69025	3.848513	-4.20263	-18.5231	-4006.01
41055_1055	41055	1055	29.02804	-82.9618	-3.8661	7.079625	18.96773	4006.003
41055_1056	41055	1056	-30.8705	99.9327	3.8661	-7.07963	29.64176	-5167.28
41056_1056	41056	1056	-485.256	131.2112	5.83905	-1.86559	-173.659	2719.915
41056_1057	41056	1057	485.2565	-118.32	-5.83905	1.865588	118.1791	-1507.68
41057_1057	41057	1057	-485.254	118.3195	6.187125	-1.13899	-118.179	1479.996
41057_1058	41057	1058	485.2544	-107.81	-6.18713	1.138988	70.25629	-604.173
41058_1058	41058	1058	-485.254	107.8095	6.187125	-1.13899	-70.2563	604.1734
41058_1059	41058	1059	485.2544	-97.3011	-6.18713	1.138988	22.33324	190.234
41059_1059	41059	1059	-485.305	89.34476	-0.5985	2.096588	-22.3332	-190.26
41059_1060	41059	1060	485.3048	-78.4825	0.5985	-2.09659	27.12019	862.0904
41060_1060	41060	1060	-485.305	73.70501	-0.0315	1.09095	-27.1202	-862.09
41060_1061	41060	1061	485.305	-62.8559	0.0315	-1.09095	27.36904	1408.028
41061_1061	41061	1061	-485.305	62.85589	0.6111	-0.77438	-27.369	-1408.03
41061_1062	41061	1062	485.3053	-51.9923	-0.6111	0.774375	22.46869	1867.709
41062_1062	41062	1062	-485.306	42.88673	0.281138	4.7943	-22.4687	-1867.76
41062_1063	41062	1063	485.3061	-34.7427	-0.28114	-4.7943	20.78213	2100.697
41063_1063	41063	1063	-485.306	34.74266	1.03845	1.510425	-20.7821	-2100.7
41063_1064	41063	1064	485.3063	-26.6146	-1.03845	-1.51043	14.5509	2284.49
41064_1064	41064	1064	-485.306	26.61461	1.088588	1.281525	-14.5509	-2284.49
41064_1065	41064	1065	485.3063	-18.4706	-1.08859	-1.28153	8.0178	2419.766
41065_1065	41065	1065	-485.302	18.47055	1.896038	-2.74365	-8.0178	-2419.76
41065_1066	41065	1066	485.3021	-10.3294	-1.89604	2.74365	-3.36026	2506.172
41066_1066	41066	1066	-485.303	0.9051	1.6317	3.892875	3.360263	-2506.25
41066_1067	41066	1067	485.3034	9.955575	-1.6317	-3.89288	-16.4042	2470.023
41067_1067	41067	1067	-485.301	-9.95558	2.235975	0.812175	16.40415	-2470.02
41067_1068	41067	1068	485.3006	20.81625	-2.23598	-0.81218	-34.2972	2346.89
41068_1068	41068	1068	-485.301	-20.8163	2.200538	0.979388	34.2972	-2346.89
41068_1069	41068	1069	485.3006	31.66118	-2.20054	-0.97939	-51.8858	2137.16
41069_1069	41069	1069	-485.349	-39.5202	0.0084	4.21785	51.88575	-2137.28
41069_1070	41069	1070	485.3489	50.03749	-0.0084	-4.21785	-51.9498	1790.16
41070_1070	41070	1070	-485.349	-50.0375	0.0084	4.21785	51.9498	-1790.16
41070_1071	41070	1071	485.3489	60.55613	-0.0084	-4.21785	-52.0141	1361.497
41071_1071	41071	1071	-485.35	-60.5561	0.348338	3.286238	52.01411	-1328.37
41071_1072	41071	1072	485.3496	73.43884	-0.34834	-3.28624	-55.3248	699.198
41072_1072	41072	1072	24.50175	177.1505	3.46185	-0.5607	25.18924	1104.771
41072_1073	41072	1073	-22.6564	-160.18	-3.46185	0.5607	-68.7125	1036.975
41073_1073	41073	1073	18.47501	160.7169	3.457913	-3.1269	68.73458	-1036.97

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41073_1074	41073	1074	-17.0909	-143.759	-3.45791	3.1269	-112.063	2964.009
41074_1074	41074	1074	12.81158	133.3778	-2.24936	0.785137	111.6092	-2964.22
41074_1075	41074	1075	-11.8199	-115.402	2.249363	-0.78514	-81.7827	4722.32
41075_1075	41075	1075	5.215613	208.5807	-4.97359	14.85881	72.87683	12202.83
41075_1076	41075	1076	-4.76805	-192.78	4.973588	-14.8588	-14.3947	-9772.46
41076_1076	41076	1076	1.651125	177.2815	2.038838	-5.85585	14.81183	9773.136
41076_1077	41076	1077	-1.54245	-166.191	-2.03884	5.85585	-31.6347	-8071.65
41077_1077	41077	1077	0.12075	166.2008	2.038313	4.887225	31.5819	8071.605
41077_1078	41077	1078	-0.12075	-146.267	-2.03831	-4.88723	-61.8161	-5755.19
41078_1078	41078	1078	0.085837	137.6778	-1.25869	-2.2764	61.81613	5755.327
41078_1079	41078	1079	-0.08584	-122.553	1.258688	2.2764	-47.6448	-4291.25
41079_1079	41079	1079	0.084263	122.5534	-1.25895	1.705988	47.6448	4291.254
41079_1080	41079	1080	-0.08426	-107.414	1.25895	-1.70599	-33.4619	-2996.35
41080_1080	41080	1080	0.095287	99.35021	-0.14438	-1.33744	33.46193	2996.441
41080_1081	41080	1081	-0.09529	-84.2142	0.144375	1.337438	-31.8281	-1962.91
41081_1081	41081	1081	0.095287	84.2142	-0.1449	0.404775	31.82813	1962.91
41081_1082	41081	1082	-0.09529	-69.0782	0.1449	-0.40477	-30.1925	-1099.86
41082_1082	41082	1082	0.093712	59.75865	-0.38168	-0.57908	30.19249	1099.891
41082_1083	41082	1083	-0.09371	-43.4928	0.381675	0.579075	-25.5791	-475.207
41083_1083	41083	1083	0.092137	43.49284	-0.38089	0.205013	25.57905	475.2061
41083_1084	41083	1084	-0.09214	-27.227	0.380888	-0.20501	-20.9656	-47.3679
41084_1084	41084	1084	0.096075	17.79986	-0.08741	0.19215	20.96561	47.3697
41084_1085	41084	1085	-0.09607	-2.66385	0.087413	-0.19215	-19.9873	67.8258
41085_1085	41085	1085	0.0945	2.66385	-0.08584	0.072187	19.98728	-67.825
41085_1086	41085	1086	-0.0945	12.46928	0.085838	-0.07219	-19.0063	12.63675
41086_1086	41086	1086	0.081637	-21.7476	-1.28651	0.165638	19.00631	-12.6386
41086_1087	41086	1087	-0.08164	36.88204	1.286513	-0.16564	-4.50319	-317.379
41087_1087	41087	1087	0.081637	-36.882	-1.28914	0.729225	4.503188	317.3788
41087_1088	41087	1088	-0.08164	52.01516	1.289138	-0.72923	9.999675	-817.727
41088_1088	41088	1088	0.1029	-59.6841	0.706388	-0.40609	-9.99968	817.7589
41088_1089	41088	1089	-0.1029	78.85001	-0.70639	0.406088	-0.06221	-1949.81
41089_1089	41089	1089	0.791175	-78.8466	0.70455	-1.00853	0.05355	1949.828
41089_1090	41089	1090	-0.90011	89.94274	-0.70455	1.008525	-5.87869	-2702.25
41090_1090	41090	1090	2.804287	-106.031	2.6502	-2.80219	5.817263	2702.249
41090_1091	41090	1091	-3.25526	121.8213	-2.6502	2.802188	-36.9566	-3917.47
41091_1091	41091	1091	10.81815	-120.751	0.5775	2.400038	35.29969	3734.991
41091_1092	41091	1092	-11.7915	138.4128	-0.5775	-2.40004	-42.9671	-5488.05
41092_1092	41092	1092	15.80985	-145.542	-3.59336	-2.5452	42.71899	5488.083
41092_1093	41092	1093	-17.1707	162.2156	3.593363	2.5452	2.3394	-7456.53
41093_1093	41093	1093	21.41423	-161.71	-3.59966	8.979338	-1.23401	7456.529
41093_1094	41093	1094	-23.2271	178.3677	3.599663	-8.97934	46.45725	-9446.02
41094_1094	41094	1094	-727.642	108.4989	2.431013	-4.36905	-96.0459	3422.102
41094_1095	41094	1095	727.6419	-95.828	-2.43101	4.36905	72.93458	-2451.18
41095_1095	41095	1095	-727.64	95.82799	2.629463	-3.83408	-72.9346	2414.81
41095_1096	41095	1096	727.64	-85.4907	-2.62946	3.834075	52.55224	-1711.93
41096_1096	41096	1096	-727.632	85.49074	4.48245	0.527363	-52.5522	1711.937
41096_1097	41096	1097	727.6316	-75.1692	-4.48245	-0.52736	17.84528	-1089.99
41097_1097	41097	1097	-727.675	67.82344	-0.60034	-1.06444	-17.8453	1089.997
41097_1098	41097	1098	727.6747	-57.1547	0.600338	1.064438	22.64798	-589.921
41098_1098	41098	1098	-727.676	57.15465	0.3087	-0.32891	-22.648	589.9199
41098_1099	41098	1099	727.6763	-46.4872	-0.3087	0.328913	20.17759	-175.234
41099_1099	41099	1099	-727.676	46.48718	0.3087	-0.32891	-20.1776	175.2342
41099_1100	41099	1100	727.6763	-35.8171	-0.3087	0.328913	17.70694	154.0762
41100_1100	41100	1100	-727.645	27.62393	4.319438	-2.18768	-17.7069	-154.058
41100_1101	41100	1101	727.645	-19.6245	-4.31944	2.187675	-8.2173	295.8367
41101_1101	41101	1101	-727.646	19.6245	4.292663	-2.1777	8.2173	-295.835
41101_1102	41101	1102	727.6463	-11.6353	-4.29266	2.1777	-33.942	389.4783
41102_1102	41102	1102	-727.647	11.63531	-4.16325	2.34885	33.94204	-389.478
41102_1103	41102	1103	727.6471	-3.63143	4.16325	-2.34885	-8.94968	435.3051

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41103_1103	41103	1103	-727.652	3.631425	-2.95155	1.62435	8.949675	-435.309
41103_1104	41103	1104	727.6521	4.370888	2.95155	-1.62435	8.766975	433.0854
41104_1104	41104	1104	-727.649	-12.6654	0.066938	0.655725	-8.76698	-433.086
41104_1105	41104	1105	727.649	23.3226	-0.06694	-0.65573	8.222288	289.2467
41105_1105	41105	1105	-727.647	-23.3226	1.004325	0.282713	-8.22229	-289.245
41105_1106	41105	1106	727.6474	33.9927	-1.00433	-0.28271	0.17955	59.87809
41106_1106	41106	1106	-727.647	-33.9927	1.004325	0.282713	-0.17955	-59.8781
41106_1107	41106	1107	727.6474	44.66306	-1.00433	-0.28271	-7.8645	-254.892
41107_1107	41107	1107	-727.664	-52.1488	-2.09423	2.041463	7.8645	254.8859
41107_1108	41107	1108	727.6642	62.4729	2.094225	-2.04146	8.341988	-698.649
41108_1108	41108	1108	-727.664	-62.4729	-2.06614	2.066138	-8.34199	698.6493
41108_1109	41108	1109	727.6642	72.81015	2.066138	-2.06614	24.36604	-1223.08
41109_1109	41109	1109	-727.665	-72.8102	-1.32694	3.236625	-24.366	1264.441
41109_1110	41109	1110	727.6652	85.48103	1.326938	-3.23663	36.96814	-2036.76
41110_1110	41110	1110	29.56931	210.6644	3.184125	-6.91478	-7.65188	7889.907
41110_1111	41110	1111	-27.7565	-194.006	-3.18413	6.914775	-32.3639	-5323.24
41111_1111	41111	1111	22.30331	189.9027	3.174675	0.753375	31.52389	5323.249
41111_1112	41111	1112	-20.9409	-173.233	-3.17468	-0.75337	-71.3147	-3023.65
41112_1112	41112	1112	16.09466	164.9597	-1.68105	-3.16391	71.41943	3023.712
41112_1113	41112	1113	-15.12	-147.289	1.68105	3.163913	-49.1187	-949.554
41113_1113	41113	1113	-0.67673	244.3366	-2.87726	16.47371	35.94386	18017.39
41113_1114	41113	1114	1.125863	-228.698	2.877263	-16.4737	-2.14095	-15155.7
41114_1114	41114	1114	-4.97621	219.0082	0.334425	-18.2844	2.718713	15156.19
41114_1115	41114	1115	5.0862	-208.019	-0.33443	18.28444	-5.47601	-14377.6
41115_1115	41115	1115	-6.9027	207.968	0.34965	9.956625	5.3151	14377.94
41115_1116	41115	1116	6.9027	-188.294	-0.34965	-9.95663	-10.479	-10026.1
41116_1116	41116	1116	-6.9027	179.9687	-0.32183	-2.91375	10.479	10026.15
41116_1117	41116	1117	6.9027	-164.985	0.321825	2.91375	-6.86228	-8085.44
41117_1117	41117	1117	-6.90401	164.9847	-0.31579	4.271925	6.862275	8085.442
41117_1118	41117	1118	6.904013	-150.002	0.315788	-4.27193	-3.31406	-6313.36
41118_1118	41118	1118	-6.90401	142.4737	-0.20475	-3.31485	3.314063	6313.365
41118_1119	41118	1119	6.904013	-127.478	0.20475	3.31485	-1.00721	-4793.32
41119_1119	41119	1119	-6.90401	127.4781	-0.19373	5.131613	1.007213	4793.319
41119_1120	41119	1120	6.904013	-112.495	0.193725	-5.13161	1.163663	-3443.32
41120_1120	41120	1120	-6.90401	103.9881	0.116813	0.600863	-1.16366	3443.325
41120_1121	41120	1121	6.904013	-87.8721	-0.11681	-0.60086	-0.24071	-2282.45
41121_1121	41121	1121	-6.9027	87.87214	0.122588	2.4633	0.240713	2282.451
41121_1122	41121	1122	6.9027	-71.7707	-0.12259	-2.4633	-1.70861	-1317.31
41122_1122	41122	1122	-6.9027	63.2814	-0.13519	1.481288	1.708613	1317.31
41122_1123	41122	1123	6.9027	-48.2858	0.135188	-1.48129	-0.1827	-689.148
41123_1123	41123	1123	-6.9027	48.28583	-0.12915	2.087925	0.1827	689.1452
41123_1124	41123	1124	6.9027	-33.3044	0.12915	-2.08793	1.275488	-230.178
41124_1124	41124	1124	-6.90401	20.48366	-0.16643	1.568438	-1.27549	230.1779
41124_1125	41124	1125	6.904013	-5.48809	0.166425	-1.56844	3.1584	-83.9493
41125_1125	41125	1125	-6.90428	5.488087	-0.1554	1.71465	-3.1584	83.94671
41125_1126	41125	1126	6.904275	9.49305	0.1554	-1.71465	4.900613	-106.477
41126_1126	41126	1126	-6.90533	-16.243	-0.87754	0.051188	-4.90061	106.4774
41126_1127	41126	1127	6.905325	34.82115	0.877538	-0.05119	17.13574	-462.654
41127_1127	41127	1127	-6.60765	-34.8792	-0.86993	0.93765	-17.1297	460.8392
41127_1128	41127	1128	6.50055	45.864	0.869925	-0.93765	24.30356	-793.923
41128_1128	41128	1128	-5.52773	-55.9041	4.024388	-4.90718	-24.4398	793.8929
41128_1129	41128	1129	5.081738	71.5512	-4.02439	4.907175	-22.8601	-1650.95
41129_1129	41129	1129	5.504625	-70.3098	0.782513	4.31235	25.00339	1328.92
41129_1130	41129	1130	-6.48716	88.1622	-0.78251	-4.31235	-35.3811	-2384.93
41130_1130	41130	1130	10.91869	-117.092	-2.9295	0.389025	35.24771	2384.919
41130_1131	41130	1131	-12.2937	133.9351	2.9295	-0.38903	1.486275	-3982.62
41131_1131	41131	1131	15.79095	-133.568	-2.93186	3.509363	-1.15946	3982.612
41131_1132	41131	1132	-17.624	150.4241	2.931863	-3.50936	38.03074	-5821.8
41132_1132	41132	1132	-557.341	111.0596	8.7927	3.512513	-93.6797	2596.266

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41132_1133	41132	1133	557.3408	-98.2619	-8.7927	-3.51251	10.14878	-1526.37
41133_1133	41133	1133	-557.352	98.26189	8.072138	-0.17588	-10.1488	1407.69
41133_1134	41133	1134	557.3523	-87.8189	-8.07214	0.175875	-52.4218	-686.633
41134_1134	41134	1134	-557.409	87.81885	-0.5565	-10.8071	52.42178	686.5496
41134_1135	41134	1135	557.4093	-77.3742	0.5565	10.80713	-48.1113	-46.3352
41135_1135	41135	1135	-557.421	68.96164	-1.51856	-1.05814	48.11126	46.49925
41135_1136	41135	1136	557.4206	-58.1795	1.518563	1.058138	-35.9609	462.1635
41136_1136	41136	1136	-557.42	58.17945	-2.21471	-0.48064	35.96093	-462.167
41136_1137	41136	1137	557.4203	-47.3973	2.214713	0.480638	-18.2367	884.5701
41137_1137	41137	1137	-557.421	47.39726	-1.51856	-1.58655	18.23666	-884.569
41137_1138	41137	1138	557.4206	-36.6164	1.518563	1.58655	-6.08501	1220.692
41138_1138	41138	1138	-557.467	27.68456	-0.17719	1.019025	6.085013	-1220.68
41138_1139	41138	1139	557.4671	-19.6132	0.177188	-1.01903	-5.02583	1362.375
41139_1139	41139	1139	-557.467	19.61321	0.772275	-1.30016	5.025825	-1362.38
41139_1140	41139	1140	557.4673	-11.5259	-0.77228	1.300163	-9.65633	1455.814
41140_1140	41140	1140	-557.467	11.52585	0.772275	-1.30016	9.656325	-1455.81
41140_1141	41140	1141	557.4673	-3.44111	-0.77228	1.300163	-14.2884	1500.729
41141_1141	41141	1141	-557.467	3.441113	-0.15724	1.1991	14.2884	-1500.73
41141_1142	41141	1142	557.4671	4.644675	0.157238	-1.1991	-13.3494	1497.113
41142_1142	41142	1142	-557.459	-18.1731	0.326288	-0.06772	13.34944	-1497.09
41142_1143	41142	1143	557.4594	28.95533	-0.32629	0.067725	-15.9616	1308.545
41143_1143	41143	1143	-557.459	-28.9553	0.326288	-0.06772	15.96158	-1308.55
41143_1144	41143	1144	557.4594	39.73489	-0.32629	0.067725	-18.5753	1033.73
41144_1144	41144	1144	-557.459	-39.7349	-0.36986	1.222988	18.57529	-1033.73
41144_1145	41144	1145	557.4594	50.51839	0.369863	-1.22299	-15.6164	672.6366
41145_1145	41145	1145	-557.401	-57.8944	-2.78749	2.451488	15.61639	-672.603
41145_1146	41145	1146	557.4014	68.32586	2.787488	-2.45149	5.967938	184.0348
41146_1146	41146	1146	-557.403	-68.3259	-2.77279	2.4465	-5.96794	-184.035
41146_1147	41146	1147	557.403	78.77048	2.772788	-2.4465	27.46354	-386.077
41147_1147	41147	1147	-557.405	-78.7705	-2.41343	2.215238	-27.4635	496.9981
41147_1148	41147	1148	557.4051	91.57103	2.413425	-2.21524	50.39895	-1306.28
41148_1148	41148	1148	7.589138	167.9375	3.027938	-3.90075	-23.2205	4136.218
41148_1149	41148	1149	-5.76056	-151.091	-3.02794	3.90075	-14.8289	-2131.49
41149_1149	41149	1149	1.80915	151.1911	3.03555	-2.62159	14.595	2131.497
41149_1150	41149	1150	-0.43575	-134.359	-3.03555	2.621588	-52.6163	-342.788
41150_1150	41150	1150	-3.34898	124.6085	-1.56634	-2.65414	52.4685	342.8145
41150_1151	41150	1151	4.331513	-106.75	1.566338	2.654138	-31.6982	1192.228
41151_1151	41151	1151	-19.5017	216.4373	-1.30463	5.3298	29.64071	14251.59
41151_1152	41151	1152	19.9542	-200.358	1.304625	-5.3298	-14.3042	-11801.7
41152_1152	41152	1152	-23.3155	187.6996	-0.85365	-1.68473	14.44564	11801.56
41152_1153	41152	1153	23.42576	-176.411	0.85365	1.684725	-7.40014	-10299.2
41153_1153	41153	1153	-24.9302	176.2068	-0.84788	0.6825	7.384913	10296.72
41153_1154	41153	1154	24.93015	-157.406	0.847875	-0.6825	4.27035	-8004.32
41154_1154	41154	1154	-24.9454	148.0324	-0.06694	-2.96809	-4.27035	8004.335
41154_1155	41154	1155	24.94538	-132.981	0.066938	2.968088	5.016113	-6458.42
41155_1155	41155	1155	-24.9456	132.9812	-0.04541	2.899838	-5.01611	6458.423
41155_1156	41155	1156	24.94564	-117.932	0.045413	-2.89984	5.50935	-5078.12
41156_1156	41156	1156	-24.9519	109.8615	0.2541	-1.3293	-5.50935	5078.137
41156_1157	41156	1157	24.95194	-96.1535	-0.2541	1.3293	2.9652	-4045.78
41157_1157	41157	1157	-24.9506	96.15349	0.277725	2.625263	-2.9652	4045.779
41157_1158	41157	1158	24.95063	-82.4586	-0.27773	-2.62526	0.17955	-3151.66
41158_1158	41158	1158	-24.9407	74.88889	-0.34256	-0.26171	-0.17955	3151.665
41158_1159	41158	1159	24.94065	-61.1796	0.342563	0.261713	3.608588	-2469.81
41159_1159	41159	1159	-24.9407	61.17956	-0.31763	2.151713	-3.60859	2469.812
41159_1160	41159	1160	24.94065	-47.4847	0.317625	-2.15171	6.7893	-1925.84
41160_1160	41160	1160	-24.9504	39.52436	0.124688	1.31985	-6.7893	1925.864
41160_1161	41160	1161	24.95036	-24.4747	-0.12469	-1.31985	5.412488	-1573.78
41161_1161	41161	1161	-24.9504	19.69721	0.124688	1.31985	-5.41249	1573.782
41161_1162	41161	1162	24.95036	-4.64888	-0.12469	-1.31985	4.034363	-1439.85

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41162_1162	41162	1162	-24.9417	-2.52551	-0.21814	0.69825	-4.03436	1439.82
41162_1163	41162	1163	24.9417	21.3234	0.218138	-0.69825	7.022138	-1603.7
41163_1163	41163	1163	-24.7616	-21.5345	-0.22391	0.375375	-7.01899	1605.469
41163_1164	41163	1164	24.65164	32.82116	0.223913	-0.37538	8.859113	-1829.75
41164_1164	41164	1164	-23.9098	-43.5774	2.085563	-1.70021	-8.90584	1829.693
41164_1165	41164	1165	23.45884	59.65391	-2.08556	1.700213	-15.6041	-2436.47
41165_1165	41165	1165	-15.3967	-57.9088	0.253575	2.23125	25.17638	2003.092
41165_1166	41165	1166	14.3934	76.28854	-0.25358	-2.23125	-28.5503	-2893.44
41166_1166	41166	1166	-11.7918	-85.1351	-1.57868	0.820838	28.54556	2893.456
41166_1167	41166	1167	10.38686	102.4603	1.578675	-0.82084	-8.77301	-4068.57
41167_1167	41167	1167	-7.70017	-102.698	-1.56293	3.8955	9.127388	4068.567
41167_1168	41167	1168	5.82435	120.0352	1.562925	-3.8955	10.52284	-5468.11
41168_1168	41168	1168	-500.683	120.7739	0.550988	-3.76871	-22.6997	2922.105
41168_1169	41168	1169	500.6833	-107.596	-0.55099	3.768713	17.46859	-1837.11
41169_1169	41169	1169	-500.683	107.5959	0.75495	-3.1773	-17.4686	1732.841
41169_1170	41169	1170	500.6828	-96.847	-0.75495	3.1773	11.62166	-940.455
41170_1170	41170	1170	-500.683	96.84701	0.75495	-3.1773	-11.6217	940.4553
41170_1171	41170	1171	500.6828	-86.0969	-0.75495	3.1773	5.774737	-231.399
41171_1171	41171	1171	-500.68	77.43724	1.01115	-0.97099	-5.77474	231.4418
41171_1172	41171	1172	500.6804	-66.3401	-1.01115	0.970988	-2.32181	343.7894
41172_1172	41172	1172	-500.682	66.34005	0.373013	-0.53393	2.321813	-343.79
41172_1173	41172	1173	500.6817	-55.2586	-0.37301	0.533925	-5.30723	829.6908
41173_1173	41173	1173	-500.68	55.25861	1.01115	-1.59154	5.307225	-829.689
41173_1174	41173	1174	500.6804	-44.163	-1.01115	1.591538	-13.4025	1227.449
41174_1174	41174	1174	-500.667	34.77233	0.26565	-0.49271	13.40246	-1227.43
41174_1175	41174	1175	500.6665	-26.4516	-0.26565	0.492713	-14.9985	1411.138
41175_1175	41175	1175	-500.667	26.4516	-0.56831	1.857713	14.99846	-1411.14
41175_1176	41175	1176	500.6665	-18.128	0.568313	-1.85771	-11.5886	1544.905
41176_1176	41176	1176	-500.667	18.12799	0.26565	-0.7161	11.58859	-1544.91
41176_1177	41176	1177	500.6665	-9.80569	-0.26565	0.7161	-13.1804	1628.725
41177_1177	41177	1177	-500.667	9.805688	0.26565	-0.7161	13.18039	-1628.72
41177_1178	41177	1178	500.6665	-1.48496	-0.26565	0.7161	-14.7764	1662.598
41178_1178	41178	1178	-500.669	-7.89731	-0.24124	2.25855	14.77639	-1662.58
41178_1179	41178	1179	500.6691	18.98138	0.241238	-2.25855	-12.8531	1555.17
41179_1179	41179	1179	-500.669	-18.9814	0.398475	0.274313	12.85305	-1555.17
41179_1180	41179	1180	500.6691	30.07856	-0.39848	-0.27431	-16.0398	1358.897
41180_1180	41180	1180	-500.669	-30.0786	0.398475	0.274313	16.0398	-1358.9
41180_1181	41180	1181	500.6691	41.17444	-0.39848	-0.27431	-19.2266	1073.831
41181_1181	41181	1181	-500.639	-49.3314	-1.35975	3.0492	19.22655	-1073.79
41181_1182	41181	1182	500.6395	60.08021	1.35975	-3.0492	-8.68901	649.73
41182_1182	41182	1182	-500.639	-64.8577	-1.35975	3.0492	8.689012	-649.73
41182_1183	41182	1183	500.6395	75.60919	1.35975	-3.0492	1.848788	105.3077
41183_1183	41183	1183	-500.64	-75.6092	-1.56371	2.80245	-1.84879	-12.5787
41183_1184	41183	1184	500.6403	88.7859	1.563713	-2.80245	16.70366	-783.832
41184_1184	41184	1184	7.524825	159.7593	2.780663	-2.63209	3.215887	3031.763
41184_1185	41184	1185	-5.65372	-142.435	-2.78066	2.632088	-38.141	-1107.3
41185_1185	41185	1185	1.90575	142.5346	2.774363	-4.47379	38.12261	1107.293
41185_1186	41185	1186	-0.50269	-125.196	-2.77436	4.473788	-72.9091	627.4657
41186_1186	41186	1186	-3.04841	114.9971	-1.57238	-2.33651	72.57731	-627.376
41186_1187	41186	1187	4.04985	-96.6189	1.572375	2.336513	-51.712	2167.802
41187_1187	41187	1187	-8.94311	205.6375	-2.28664	-1.53694	34.07093	14151.24
41187_1188	41187	1188	9.403538	-189.134	2.286638	1.536938	-7.19119	-11645.1
41188_1188	41188	1188	-12.579	175.3589	-0.44468	0.713212	7.146825	11645.24
41188_1189	41188	1189	12.69371	-163.786	0.444675	-0.71321	-3.47603	-9385
41189_1189	41189	1189	-14.0716	163.674	-0.45098	-3.55661	3.480225	9382.674
41189_1190	41189	1190	14.07158	-144.362	0.450975	3.556613	2.734725	-7264.45
41190_1190	41190	1190	-14.0781	135.5894	-0.13781	0.723713	-2.73473	7264.382
41190_1191	41190	1191	14.07814	-120.14	0.137813	-0.72371	4.249088	-5857.59
41191_1191	41191	1191	-14.0795	120.14	-0.15041	-4.60005	-4.24909	5857.588

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41191_1192	41191	1192	14.07945	-104.69	0.150413	4.60005	5.90415	-4620.74
41192_1192	41192	1192	-14.0737	95.83849	-0.37196	-2.7384	-5.90415	4620.767
41192_1193	41192	1193	14.07368	-81.6388	0.371963	2.7384	9.6726	-3723.43
41193_1193	41193	1193	-14.0737	81.63881	-0.36015	0.9429	-9.6726	3723.435
41193_1194	41193	1194	14.07368	-67.4394	0.36015	-0.9429	13.30061	-2969.69
41194_1194	41194	1194	-14.0529	58.93913	-1.28258	-0.20895	-13.3006	2969.736
41194_1195	41194	1195	14.05294	-44.741	1.282575	0.20895	26.2668	-2445.52
41195_1195	41195	1195	-14.0529	44.74103	-1.28258	-0.20895	-26.2668	2445.515
41195_1196	41195	1196	14.05294	-30.5442	1.282575	0.20895	39.2301	-2064.87
41196_1196	41196	1196	-14.1039	21.42971	0.64575	1.546913	-39.2301	2064.878
41196_1197	41196	1197	14.10386	-5.98027	-0.64575	-1.54691	32.11819	-1914.09
41197_1197	41197	1197	-14.1054	5.980275	0.63315	-0.22942	-32.1182	1914.089
41197_1198	41197	1198	14.10544	9.453413	-0.63315	0.229425	25.15748	-1933.17
41198_1198	41198	1198	-14.0721	-22.7448	-0.5586	0.1827	-25.1575	1933.155
41198_1199	41198	1199	14.0721	42.05513	0.5586	-0.1827	32.82904	-2450.11
41199_1199	41199	1199	-13.719	-42.1719	-0.56044	-0.25252	-32.8346	2453.561
41199_1200	41199	1200	13.60721	53.75948	0.560438	0.252525	37.46453	-2861.24
41200_1200	41200	1200	-12.5858	-66.1728	4.452	-2.90378	-37.5422	2861.14
41200_1201	41200	1201	12.12015	82.67464	-4.452	2.903775	-14.8019	-3762.31
41201_1201	41201	1201	-8.35249	-80.5195	0.88095	5.185425	17.77703	3375.547
41201_1202	41201	1202	7.319288	99.40455	-0.88095	-5.18543	-29.4591	-4559.44
41202_1202	41202	1202	-4.02859	-108.939	-4.21286	6.017288	29.6961	4559.531
41202_1203	41202	1203	2.585888	126.772	4.212863	-6.01729	23.12809	-6007.19
41203_1203	41203	1203	0.686963	-126.794	-4.21286	6.6129	-22.9669	6007.185
41203_1204	41203	1204	-2.60977	144.6252	4.212863	-6.6129	75.90923	-7729.52
41204_1204	41204	1204	-634.713	124.6597	5.908875	-3.65715	-195.777	3727.731
41204_1205	41204	1205	634.7129	-111.108	-5.90888	3.65715	139.634	-2570.7
41205_1205	41205	1205	-634.718	111.1084	5.481263	-6.86779	-139.634	2398.863
41205_1206	41205	1206	634.7179	-100.067	-5.48126	6.867788	97.1901	-1581.44
41206_1206	41206	1206	-634.718	100.0671	5.49885	-6.82474	-97.1901	1581.438
41206_1207	41206	1207	634.7179	-89.0117	-5.49885	6.824738	54.56168	-848.599
41207_1207	41207	1207	-634.608	79.90815	0.987525	-0.92768	-54.5617	848.7699
41207_1208	41207	1208	634.6079	-68.4947	-0.98753	0.927675	46.65833	-255.018
41208_1208	41208	1208	-634.606	68.49465	1.778963	-0.60716	-46.6583	255.0224
41208_1209	41208	1209	634.6064	-57.084	-1.77896	0.607163	32.41403	247.4018
41209_1209	41209	1209	-634.606	57.08404	1.778963	-0.60716	-32.414	-247.402
41209_1210	41209	1210	634.6064	-45.6745	-1.77896	0.607163	18.16553	658.5135
41210_1210	41210	1210	-634.603	35.58371	0.5607	1.825425	-18.1655	-658.477
41210_1211	41210	1211	634.6032	-27.0254	-0.5607	-1.82543	14.79608	846.3486
41211_1211	41211	1211	-634.602	27.02543	1.618838	0.4137	-14.7961	-846.353
41211_1212	41211	1212	634.6019	-18.4669	-1.61884	-0.4137	5.0799	982.8533
41212_1212	41212	1212	-634.602	18.46688	1.597838	0.44625	-5.0799	-982.853
41212_1213	41212	1213	634.6019	-9.92303	-1.59784	-0.44625	-4.4919	1067.894
41213_1213	41213	1213	-634.603	9.923025	0.5607	2.190038	4.4919	-1067.89
41213_1214	41213	1214	634.6032	-1.36316	-0.5607	-2.19004	-7.86135	1101.754
41214_1214	41214	1214	-634.584	-9.1476	0.874913	2.759925	7.86135	-1101.7
41214_1215	41214	1215	634.584	20.55979	-0.87491	-2.75993	-14.8717	982.8352
41215_1215	41215	1215	-634.582	-20.5598	0.084788	3.988163	14.87168	-982.832
41215_1216	41215	1216	634.5825	31.97198	-0.08479	-3.98816	-15.5382	772.6514
41216_1216	41216	1216	-634.584	-31.972	0.874913	3.023475	15.53816	-772.656
41216_1217	41216	1217	634.584	43.38285	-0.87491	-3.02348	-22.5485	471.1694
41217_1217	41217	1217	-634.501	-51.7128	-2.58038	7.525613	22.54849	-471.055
41217_1218	41217	1218	634.5011	62.76848	2.580375	-7.52561	-2.54861	27.34462
41218_1218	41218	1218	-634.501	-62.7685	-2.59665	7.526925	2.548612	-27.3446
41218_1219	41218	1219	634.5011	73.80949	2.59665	-7.52693	17.55443	-501.324
41219_1219	41219	1219	-634.505	-73.8095	-2.17035	7.337138	-17.5544	654.6343
41219_1220	41219	1220	634.5048	87.36105	2.17035	-7.33714	38.18089	-1420.34
41220_1220	41220	1220	29.85728	194.3445	5.877113	-11.4925	-3.88001	5101.697
41220_1221	41220	1221	-27.9421	-176.513	-5.87711	11.49251	-69.9547	-2771.93

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41221_1221	41221	1221	23.41631	177.1718	5.826713	-0.02441	68.65451	2771.985
41221_1222	41221	1222	-21.977	-159.343	-5.82671	0.024413	-141.701	-669.464
41222_1222	41222	1222	17.71429	150.8191	-0.09319	-7.82959	141.8708	669.3921
41222_1223	41222	1223	-16.6842	-131.921	0.093188	7.829588	-140.628	1224.889
41223_1223	41223	1223	14.5236	244.047	-4.19423	44.38875	166.4132	15212.58
41223_1224	41223	1224	-14.0482	-226.938	4.194225	-44.3888	-117.114	-12662.9
41224_1224	41224	1224	10.33594	216.95	-1.78605	-20.4737	118.3258	12661.74
41224_1225	41224	1225	-10.2197	-204.937	1.78605	20.47369	-103.594	-10552.6
41225_1225	41225	1225	8.508675	205.0159	-1.81703	17.10581	103.4192	10552.6
41225_1226	41225	1226	-8.50867	-181.121	1.817025	-17.1058	-73.6131	-7384.36
41226_1226	41226	1226	8.497912	172.4672	-1.61569	-10.363	73.61314	7383.157
41226_1227	41226	1227	-8.49791	-154.499	1.615688	10.36298	-53.6763	-5365.75
41227_1227	41227	1227	8.490825	154.4986	-1.6569	15.76628	53.67626	5365.738
41227_1228	41227	1228	-8.49082	-136.545	1.6569	-15.7663	-33.2451	-3571.37
41228_1228	41228	1228	8.497125	125.9108	-2.07638	-0.55676	33.2451	3570.401
41228_1229	41228	1229	-8.49713	-105.104	2.076375	0.556763	-7.63481	-2144.92
41229_1229	41229	1229	8.490563	105.1042	-2.10263	6.422063	7.634813	2144.912
41229_1230	41229	1230	-8.49056	-84.3163	2.102625	-6.42206	18.2973	-976.976
41230_1230	41230	1230	8.208638	73.47926	4.052738	0.819	-18.2973	976.4793
41230_1231	41230	1231	-8.20864	-52.6885	-4.05274	-0.819	-31.6977	-198.475
41231_1231	41231	1231	8.2215	52.68848	4.0278	1.466325	31.69766	198.4705
41231_1232	41231	1232	-8.2215	-31.9148	-4.0278	-1.46633	-81.3267	322.8438
41232_1232	41232	1232	8.185538	15.69383	5.152088	1.121925	81.3267	-322.821
41232_1233	41232	1233	-8.18554	0.967312	-5.15209	-1.12193	-132.259	395.5917
41233_1233	41233	1233	8.202862	-0.96731	5.126625	-0.13886	132.2593	-395.592
41233_1234	41233	1234	-8.20286	20.31356	-5.12663	0.138862	-191.09	281.6915
41234_1234	41234	1234	8.306813	-20.2805	5.090138	-2.01889	191.0832	-281.879
41234_1235	41234	1235	-8.33096	25.57616	-5.09014	2.018888	-207.075	207.6718
41235_1235	41235	1235	-4.82213	-42.7067	-9.59936	1.559775	192.5915	392.2022
41235_1236	41235	1236	4.530488	55.02053	9.599363	-1.55978	-123.992	-751.922
41236_1236	41236	1236	-4.65885	-55.0129	-9.58808	3.3075	124.0171	751.9113
41236_1237	41236	1237	4.300275	71.75805	9.588075	-3.3075	-30.8354	-1386.49
41237_1237	41237	1237	-2.73289	-71.8389	-9.57285	2.484038	30.89599	1388.827
41237_1238	41237	1238	2.365913	80.06696	9.57285	-2.48404	14.84096	-1728.45
41238_1238	41238	1238	-0.9513	-93.7773	-2.68459	-7.05154	-15.3426	1727.563
41238_1239	41238	1239	-0.15277	112.2547	2.684588	7.051538	44.17429	-2844.82
41239_1239	41239	1239	2.483513	-112.228	-2.66858	1.98975	-43.6926	2844.831
41239_1240	41239	1240	-4.02019	131.0544	2.668575	-1.98975	72.9162	-4190.81
41240_1240	41240	1240	8.0703	-140.554	-3.83906	3.56475	-72.8616	4189.659
41240_1241	41240	1241	-10.2246	160.954	3.839063	-3.56475	118.5064	-5941.49
41241_1241	41241	1241	-620.192	156.6891	-0.20134	-9.60173	-121.137	3040.855
41241_1242	41241	1242	620.192	-140.311	0.201337	9.601725	123.0458	-1629.64
41242_1242	41242	1242	-620.191	140.3107	0.485362	-7.82329	-123.046	1595.94
41242_1243	41242	1243	620.1914	-134.855	-0.48536	7.823288	121.5105	-1160.55
41243_1243	41243	1243	-620.404	120.1082	4.375613	-6.17689	-121.51	1160.545
41243_1244	41243	1244	620.4043	-104.226	-4.37561	6.176888	81.19309	-127.024
41244_1244	41244	1244	-620.386	104.2264	6.401063	-5.7624	-81.1931	127.0429
41244_1245	41244	1245	620.3859	-86.2872	-6.40106	5.7624	14.56744	864.3839
41245_1245	41245	1245	-619.731	77.4753	-1.14923	1.061813	-14.5674	-863.729
41245_1246	41245	1246	619.7307	-60.674	1.149225	-1.06181	25.76385	1537.102
41246_1246	41246	1246	-619.732	60.67399	0.852863	-3.9039	-25.7638	-1537.1
41246_1247	41246	1247	619.7323	-43.644	-0.85286	3.9039	17.32763	2052.46
41247_1247	41247	1247	-619.608	33.15113	1.0857	5.289638	-17.3276	-2051.44
41247_1248	41247	1248	619.6084	-17.498	-1.0857	-5.28964	7.468388	2281.423
41248_1248	41248	1248	-619.605	17.49799	2.305013	0.803513	-7.46839	-2281.43
41248_1249	41248	1249	619.6053	0.660188	-2.30501	-0.80351	-16.8121	2370.132
41249_1249	41249	1249	-619.076	-9.88365	-5.12321	10.02251	16.81207	-2369.19
41249_1250	41249	1250	619.0758	27.70215	5.123213	-10.0225	36.15649	2174.912
41250_1250	41250	1250	-619.092	-27.7022	-2.63708	1.28835	-36.1565	-2174.93

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41250_1251	41250	1251	619.0923	43.71203	2.637075	-1.28835	60.65089	1843.294
41251_1251	41251	1251	-619.215	-60.9543	1.4049	3.836438	-60.6509	-1842.96
41251_1252	41251	1252	619.2155	78.41899	-1.4049	-3.83644	46.42313	1136.872
41252_1252	41252	1252	-619.212	-83.1965	3.286238	0.37905	-46.4231	-1136.88
41252_1253	41252	1253	619.2115	102.5141	-3.28624	-0.37905	9.579675	96.10256
41253_1253	41253	1253	-619.213	-102.514	2.8455	0.49875	-9.57967	-85.0083
41253_1254	41253	1254	619.2134	107.961	-2.8455	-0.49875	0.590363	-247.618
41254_1254	41254	1254	-619.345	-117.927	9.362325	-14.0645	-0.59036	246.9692
41254_1255	41254	1255	619.3446	128.8442	-9.36233	14.06449	-58.7052	-1038.77
41255_1255	41255	1255	27.80085	202.1056	11.69044	4.22625	81.49995	3620.487
41255_1256	41255	1256	-26.2847	-188.205	-11.6904	-4.22625	-176.24	-2022.62
41256_1256	41256	1256	23.37799	188.5902	11.67626	5.448713	175.9388	2022.641
41256_1257	41256	1257	-22.2198	-176.125	-11.6763	-5.44871	-260.678	-692.458
41257_1257	41257	1257	18.32434	148.7307	-19.1636	-0.87229	260.8583	692.3774
41257_1258	41257	1258	-16.9872	-130.895	19.16355	0.872288	-62.1204	794.5899
41258_1258	41258	1258	14.11069	131.2337	-19.1864	-4.46618	62.19465	-794.572
41258_1259	41258	1259	-12.9785	-109.482	19.18639	4.466175	180.2031	2406.835
41259_1259	41259	1259	77.14901	103.167	2.776725	-24.3214	96.97538	15559.84
41259_1260	41259	1260	-76.6316	-84.6106	-2.77673	24.32141	-126.267	-14519.9
41260_1260	41260	1260	75.28789	85.81335	2.611088	4.515788	125.5913	14519.92
41260_1261	41260	1261	-75.1212	-69.1811	-2.61109	-4.51579	-150.269	-13096
41261_1261	41261	1261	74.50669	69.84285	2.571975	10.00204	150.3017	13088.63
41261_1262	41261	1262	-74.5067	-64.2681	-2.57198	-10.002	-158.454	-12876.2
41262_1262	41262	1262	74.70514	46.34569	-7.42718	-20.4887	158.4537	12874.58
41262_1263	41262	1263	-74.7051	-26.786	7.427175	20.48865	-75.9058	-12468.1
41263_1263	41263	1263	74.67836	26.78603	-7.6881	23.17009	75.90581	12468.15
41263_1264	41263	1264	-74.6784	-5.78524	7.6881	-23.1701	15.84818	-12273.8
41264_1264	41264	1264	74.56864	-1.94617	-1.37944	-21.8135	-15.8482	12272.54
41264_1265	41264	1265	-74.5686	22.31723	1.379438	21.81349	31.81474	-12413
41265_1265	41265	1265	74.56339	-22.3172	-1.64798	22.82753	-31.8147	12412.98
41265_1266	41265	1266	-74.5634	42.52106	1.647975	-22.8275	50.72918	-12785.2
41266_1266	41266	1266	74.54974	-49.8695	-0.54758	-17.4009	-50.7292	12784.56
41266_1267	41266	1267	-74.5497	70.42219	0.547575	17.40086	57.11738	-13486.9
41267_1267	41267	1267	74.54869	-70.4222	-0.7308	15.85868	-57.1174	13486.94
41267_1268	41267	1268	-74.5487	90.42994	0.7308	-15.8587	65.42708	-14401.3
41268_1268	41268	1268	74.53451	-98.0816	-4.72973	-25.5956	-65.4271	14401.34
41268_1269	41268	1269	-74.5345	121.0456	4.729725	25.59559	127.145	-15831.1
41269_1269	41269	1269	74.51929	-121.046	-4.97306	26.02819	-127.145	15831.14
41269_1270	41269	1270	-74.5193	141.1974	4.973063	-26.0282	184.0844	-17332.7
41270_1270	41270	1270	74.52034	-142.97	8.77905	-37.5955	-184.084	17332.64
41270_1271	41270	1271	-74.5203	159.0992	-8.77905	37.59551	103.6127	-18717
41271_1271	41271	1271	74.54213	-163.877	8.5911	10.2627	-103.613	18717
41271_1272	41271	1272	-74.5421	183.5127	-8.5911	-10.2627	7.770787	-22101
41272_1272	41272	1272	75.4719	-183.142	8.401575	62.98871	-7.45999	22097.72
41272_1273	41272	1273	-75.5118	190.4842	-8.40158	-62.9887	-27.5853	-22931.7
41273_1273	41273	1273	77.52203	-201.216	2.993025	-46.4273	26.58443	22933.56
41273_1274	41273	1274	-77.7533	215.2112	-2.99303	46.42733	-50.3908	-24012.8
41274_1274	41274	1274	80.5812	-214.171	2.885138	-13.4655	50.72025	24012.83
41274_1275	41274	1275	-81.0096	228.0272	-2.88514	13.46546	-73.442	-25575.7
41275_1275	41275	1275	83.75693	-227.036	2.608988	77.97825	76.97471	25558.83
41275_1276	41275	1276	-84.0746	234.3849	-2.60899	-77.9783	-87.8803	-26552.1
41276_1276	41276	1276	-5.60753	-154.618	-10.3499	-30.5327	-95.7374	8235.874
41276_1277	41276	1277	4.377188	175.5065	10.34985	30.53269	217.4555	-10136.1
41277_1277	41277	1277	-0.29059	-175.564	-10.2945	12.93574	-215.111	10136.24
41277_1278	41277	1278	-1.60729	198.2487	10.29446	-12.9357	346.7993	-12575.1
41278_1278	41278	1278	7.549763	-212.829	6.110212	-29.5769	-351.504	12575.22
41278_1279	41278	1279	-9.37309	229.8689	-6.11021	29.57693	292.6744	-14460
41279_1279	41279	1279	-982.554	191.4914	1.134788	16.03875	-315.8	6683.3
41279_1280	41279	1280	982.5535	-174.589	-1.13479	-16.0388	305.0213	-4943.99

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41280_1280	41280	1280	-982.552	174.5888	1.680263	18.62464	-305.021	4851.374
41280_1281	41280	1281	982.5519	-164.948	-1.68026	-18.6246	295.9163	-3931.18
41281_1281	41281	1281	-982.533	161.3787	6.68325	-5.53613	-295.916	4247.69
41281_1282	41281	1282	982.5328	-142.081	-6.68325	5.536125	213.3156	-2372.39
41282_1282	41282	1282	-982.509	142.0808	9.62115	1.5582	-213.316	2372.39
41282_1283	41282	1283	982.5094	-123.122	-9.62115	-1.5582	96.48503	-762.264
41283_1283	41283	1283	-982.504	89.1975	-2.30344	3.324563	-96.485	762.2543
41283_1284	41283	1284	982.5039	-69.8266	2.303438	-3.32456	125.0479	224.1677
41284_1284	41284	1284	-982.505	69.82658	0.88725	2.598225	-125.048	-224.177
41284_1285	41284	1285	982.5055	-53.031	-0.88725	-2.59823	115.5058	884.9867
41285_1285	41285	1285	-982.536	34.84556	5.593613	2.956275	-115.506	-884.922
41285_1286	41285	1286	982.5362	-17.3728	-5.59361	-2.95628	52.9221	1177.089
41286_1286	41286	1286	-982.514	17.37278	8.537813	-0.57278	-52.9221	-1177.09
41286_1287	41286	1287	982.5136	-1.12901	-8.53781	0.572775	-35.8953	1273.343
41287_1287	41287	1287	-982.593	-19.5612	-6.60608	2.762813	35.8953	-1273.38
41287_1288	41287	1288	982.5926	40.00999	6.606075	-2.76281	50.62628	883.27
41288_1288	41288	1288	-982.609	-44.7875	-3.22403	-0.27851	-50.6263	-883.275
41288_1289	41288	1289	982.6094	62.30884	3.224025	0.278513	86.81374	282.3497
41289_1289	41289	1289	-982.565	-79.4721	9.467325	7.264163	-86.8137	-282.394
41289_1290	41289	1290	982.5653	85.72463	-9.46733	-7.26416	48.90296	-48.3898
41290_1290	41290	1290	-982.549	-85.7246	10.88273	7.925663	-48.903	101.7875
41290_1291	41290	1291	982.5493	100.5567	-10.8827	-7.92566	-54.4787	-1006.35
41291_1291	41291	1291	32.87051	354.0007	25.71555	-20.7861	-84.6749	7065.829
41291_1292	41291	1292	-31.6504	-342.455	-25.7156	20.78606	-106.419	-4426.07
41292_1292	41292	1292	21.2352	316.0298	-4.40816	-3.99184	104.407	4426.088
41292_1293	41292	1293	-19.6397	-296.304	4.408163	3.991838	-48.5468	-473.934
41293_1293	41293	1293	11.4387	296.7342	-4.39504	-3.23531	48.31628	473.9644
41293_1294	41293	1294	-10.5291	-279.287	4.395038	3.235313	0.846037	2899.929
41294_1294	41294	1294	-16.6044	260.6932	0.576975	22.39204	-77.4454	-4261.04
41294_1295	41294	1295	16.94805	-249.599	-0.57698	-22.392	73.37584	6677.411
41295_1295	41295	1295	-21.1992	249.2718	0.67305	0.178238	-72.7036	-6682.58
41295_1296	41295	1296	21.34388	-238.009	-0.67305	-0.17824	67.88145	7605.756
41296_1296	41296	1296	-24.0387	237.7515	0.699563	-7.0266	-67.8717	-7605.75
41296_1297	41296	1297	24.04579	-223.908	-0.69956	7.0266	61.72346	9635.822
41297_1297	41297	1297	-24.1681	200.1526	1.855088	35.05294	-61.7266	-9635.83
41297_1298	41297	1298	24.16811	-193.775	-1.85509	-35.0529	54.21203	10433.99
41298_1298	41298	1298	-24.1639	193.7754	1.894463	18.7131	-54.212	-10427.5
41298_1299	41298	1299	24.16391	-180.45	-1.89446	-18.7131	38.18273	12011.57
41299_1299	41299	1299	-24.1571	180.4504	1.971638	-19.7589	-38.1827	-12011.6
41299_1300	41299	1300	24.15709	-161.586	-1.97164	19.7589	14.56193	14061.29
41300_1300	41300	1300	-24.1532	132.9555	0.731588	35.69659	-14.5619	-14061.3
41300_1301	41300	1301	24.15315	-112.237	-0.73159	-35.6966	4.924763	15675.1
41301_1301	41301	1301	-24.149	112.2374	0.829238	-27.1223	-4.92476	-15675.1
41301_1302	41301	1302	24.14895	-94.406	-0.82924	27.12229	-4.46329	16845.59
41302_1302	41302	1302	-24.1461	65.05328	1.224038	45.34635	4.463287	-16845.6
41302_1303	41302	1303	24.14606	-43.8653	-1.22404	-45.3464	-20.9449	17578.79
41303_1303	41303	1303	-24.1419	43.86533	1.337438	-37.1096	20.94488	-17578.8
41303_1304	41303	1304	24.14186	-26.4878	-1.33744	37.10963	-35.7116	17967.19
41304_1304	41304	1304	-24.1348	-3.71201	2.0265	41.94855	35.71155	-17967.3
41304_1305	41304	1305	24.13478	24.27758	-2.0265	-41.9486	-62.1923	17784.43
41305_1305	41305	1305	-24.1261	-24.2776	2.122575	-28.7837	62.19229	-17784.5
41305_1306	41305	1306	24.12611	42.2688	-2.12258	28.78365	-86.4533	17404.13
41306_1306	41306	1306	-24.1161	-76.3689	4.271138	38.99884	86.45333	-17404.1
41306_1307	41306	1307	24.11614	95.03944	-4.27114	-38.9988	-137.134	16387.47
41307_1307	41307	1307	-24.1007	-95.0394	4.355925	-18.2335	137.1337	-16387.5
41307_1308	41307	1308	24.10065	114.9285	-4.35593	18.23351	-192.185	15060.91
41308_1308	41308	1308	-24.0867	-142.645	3.277838	34.56968	192.1849	-15061
41308_1309	41308	1309	24.08674	161.789	-3.27784	-34.5697	-232.048	13209.5
41309_1309	41309	1309	-24.0744	-161.789	3.369188	-16.0666	232.0476	-13209.5

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41309_1310	41309	1310	24.0744	181.2129	-3.36919	16.06658	-273.632	11093.06
41310_1310	41310	1310	-24.0776	-204.587	-4.3869	22.95116	273.6316	-11093.1
41310_1311	41310	1311	24.07755	224.7499	4.3869	-22.9512	-217.441	8343.264
41311_1311	41311	1311	-24.0949	-224.75	-4.29424	-8.98984	217.4408	-8343.29
41311_1312	41311	1312	24.09488	244.8674	4.294238	8.989838	-162.554	5342.116
41312_1312	41312	1312	-24.1306	-273.897	-9.0552	15.78491	162.5544	-5342.18
41312_1313	41312	1313	24.13058	302.1527	9.0552	-15.7849	0	171.3928

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95
	Max.	1.31	1.58	1.84	1.84	1.05			0.00	
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1	2	3	4	5	6	7	8	9
1000_1000	1000	1000	-3.24923	125.6078	0.5418	-2.4129	0	-11.2266
1000_1001	1000	1001	162.9936	-112.915	-0.5418	2.4129	-9.22005	1301.438
1001_1001	1001	1001	-162.998	112.9149	0.5418	-1.80968	9.22005	-1301.46
1001_1002	1001	1002	256.0635	-104.815	-0.5418	1.809675	-15.0932	2053.112
1002_1002	1002	1002	-256.172	90.8523	-0.5922	-1.76715	15.09323	-2053.05
1002_1003	1002	1003	339.0534	-81.752	0.5922	1.76715	-7.87815	2722.465
1003_1003	1003	1003	-339.052	81.75195	-0.5922	-1.24425	7.87815	-2722.47
1003_1004	1003	1004	413.1997	-72.6516	0.5922	1.24425	-0.65678	3321.346
1004_1004	1004	1004	-413.113	60.91943	0.089775	-1.54193	0.656775	-3321.13
1004_1005	1004	1005	467.2647	-51.8144	-0.08978	1.541925	-1.75613	3758.508
1005_1005	1005	1005	-467.266	51.81435	0.089775	-0.82058	1.756125	-3758.51
1005_1006	1005	1006	512.6751	-42.7109	-0.08978	0.820575	-2.85075	4125.278
1006_1006	1006	1006	-512.651	28.11218	0.10395	-1.03478	2.85075	-4125.09
1006_1007	1006	1007	535.2779	-19.0118	-0.10395	1.034775	-4.10918	4307.831
1007_1007	1007	1007	-535.278	19.01183	0.102375	-0.2079	4.109175	-4307.83
1007_1008	1007	1008	549.1679	-9.91148	-0.10238	0.2079	-5.36288	4420.009
1008_1008	1008	1008	-549.155	-5.36445	-0.01103	-0.3906	5.362875	-4419.88
1008_1009	1008	1009	539.6407	14.46008	0.011025	0.3906	-5.23215	4343.025
1009_1009	1009	1009	-539.641	-14.4601	-0.01103	0.341775	5.23215	-4343.02
1009_1010	1009	1010	521.3738	23.56515	0.011025	-0.34178	-5.09828	4195.49
1010_1010	1010	1010	-521.368	-38.6726	-0.04883	-0.27248	5.098275	-4195.43
1010_1011	1010	1011	479.8679	47.77133	0.048825	0.272475	-4.5108	3860.243
1011_1011	1011	1011	-479.866	-47.7713	-0.04883	1.299375	4.5108	-3860.24
1011_1012	1011	1012	429.6647	56.8638	0.048825	-1.29938	-3.91388	3454.769
1012_1012	1012	1012	-429.663	-72.0578	-0.15278	1.195425	3.913875	-3454.76
1012_1013	1012	1013	356.0855	81.15818	0.152775	-1.19543	-2.04908	2860.487
1013_1013	1013	1013	-356.085	-81.1582	-0.15278	0.647325	2.049075	-2860.49
1013_1014	1013	1014	273.776	90.25853	0.152775	-0.64733	-0.19058	2195.685
1014_1014	1014	1014	-273.774	-103.844	0.6993	1.1529	0.190575	-2195.69
1014_1015	1014	1015	128.6744	116.3342	-0.6993	-1.1529	-11.9023	1023.761
1015_1015	1015	1015	-139.857	-115.89	0.470925	0.218925	8.002575	-1043.45
1015_1016	1015	1016	53.4555	122.0247	-0.47093	-0.20948	-11.8865	406.5768
1016_1016	1016	1016	-51.0883	-134.637	0.515025	0.41895	11.9133	-406.539
1016_1017	1016	1017	-79.3296	143.3581	-0.51503	-0.378	-17.9566	-705.753
1017_1017	1017	1017	81.85433	-143.089	0.515025	0.2961	17.99753	709.7011
1017_1018	1017	1018	-194.787	153.4743	-0.51503	-0.2268	-24.8346	-2082.19
1018_1018	1018	1018	198.9257	-161.872	-1.14503	0.0252	24.88028	2082.181
1018_1019	1018	1019	-270.826	172.1601	1.145025	-0.20948	-10.5415	-3600.75
1019_1019	1019	1019	274.5934	-171.42	-1.14345	0.883575	10.68795	3600.735
1019_1020	1019	1020	-310.803	182.0889	1.14345	-1.08675	3.68865	-5310.94
1020_1020	1020	1020	-425.962	45.33795	0.949725	-0.29925	-21.8264	670.1949
1020_1021	1020	1021	460.2859	-38.3733	-0.94973	0.29925	12.8079	-396.61
1021_1021	1021	1021	-436.07	38.22998	0.830025	-0.28823	-9.98865	278.7278
1021_1022	1021	1022	460.9616	-32.571	-0.83003	0.288225	3.5595	-103.933
1022_1022	1022	1022	-460.954	32.571	0.927675	-0.27405	-3.5595	103.9374
1022_1023	1022	1023	481.865	-26.9136	-0.92768	0.27405	-3.63353	42.89828
1023_1023	1023	1023	-481.838	20.18205	-0.21735	-0.1008	3.633525	-42.892
1023_1024	1023	1024	494.3657	-14.342	0.21735	0.1008	-1.89473	130.8683
1024_1024	1024	1024	-494.366	14.34195	-0.21735	-0.1008	1.894725	-130.868
1024_1025	1024	1025	502.6565	-8.50028	0.21735	0.1008	-0.15435	189.0788
1025_1025	1025	1025	-502.657	8.500275	-0.12128	-0.12443	0.15435	-189.077
1025_1026	1025	1026	506.7074	-2.66175	0.121275	0.124425	0.82215	217.5185
1026_1026	1026	1026	-506.706	-6.84968	-0.2079	-0.02363	-0.82215	-217.517
1026_1027	1026	1027	501.7887	11.22818	0.2079	0.023625	2.071125	182.9851
1027_1027	1027	1027	-501.79	-11.2282	-0.06773	-0.0567	-2.07113	-182.984
1027_1028	1027	1028	494.4776	15.61298	0.067725	0.0567	2.47275	131.6385
1028_1028	1028	1028	-494.478	-15.613	-0.08033	-0.05513	-2.47275	-131.639
1028_1029	1028	1029	484.796	19.9899	0.080325	0.055125	2.95785	63.64418

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1029_1029	1029	1029	-484.796	-19.9899	-0.06773	-0.0567	-2.95785	-63.6442
1029_1030	1029	1030	472.7095	24.3747	0.067725	0.0567	3.359475	-21.2247
1030_1030	1030	1030	-472.709	-33.9129	0.09765	0	-3.35948	21.2247
1030_1031	1030	1031	445.9928	39.75143	-0.09765	0	2.578275	-208.842
1031_1031	1031	1031	-445.993	-39.7514	0.108675	0.00315	-2.57828	208.8419
1031_1032	1031	1032	414.9983	45.59625	-0.10868	-0.00315	1.7136	-426.483
1032_1032	1032	1032	-415	-45.5963	0.09765	-0.00158	-1.7136	426.4832
1032_1033	1032	1033	379.8081	51.4332	-0.09765	0.001575	0.9324	-673.607
1033_1033	1033	1033	-379.836	-58.3585	-1.04108	-0.3087	-0.9324	673.6244
1033_1034	1033	1034	336.7996	64.01903	1.041075	0.3087	9.004275	-975.835
1034_1034	1034	1034	-336.807	-64.019	-0.94185	-0.18428	-9.00428	975.8385
1034_1035	1034	1035	289.7969	69.678	0.94185	0.184275	16.3107	-1305.96
1035_1035	1035	1035	-321.806	-69.9536	-0.26775	1.43325	-21.2625	1461.893
1035_1036	1035	1036	261.765	76.91828	0.26775	-1.43325	23.80928	-1938.7
1036_1036	1036	1036	366.4836	152.8223	1.0143	-1.134	-9.5319	6748.389
1036_1037	1036	1037	-370.947	-141.851	-1.0143	0.956025	-3.21143	-5309.15
1037_1037	1037	1037	367.7735	141.8697	1.01745	-0.33233	3.101175	5309.153
1037_1038	1037	1038	-348.338	-131.218	-1.01745	0.1701	-15.854	-3970.16
1038_1038	1038	1038	344.8274	123.4674	-0.52133	-0.4347	15.8319	3970.335
1038_1039	1038	1039	-295.547	-112.765	0.521325	0.504	-8.93025	-2824.85
1039_1039	1039	1039	296.0528	112.9952	-0.5166	-0.24728	8.881425	2807.652
1039_1040	1039	1040	-218.347	-104.172	0.5166	0.288225	-2.80823	-1937.39
1040_1040	1040	1040	216.5499	94.80083	-0.11025	-0.37643	2.7972	1937.494
1040_1041	1040	1041	-156.522	-88.7717	0.11025	0.378	-1.89	-1436.18
1041_1041	1041	1041	175.8614	88.13385	-0.05198	-0.24413	0.9009	1330.604
1041_1042	1041	1042	-46.053	-76.3812	0.051975	0.244125	-0.0504	-421.3
1042_1042	1042	1042	46.05458	64.8144	-0.02678	-0.19373	0.0504	421.3094
1042_1043	1042	1043	24.08175	-56.1803	0.026775	0.193725	0.278775	22.95878
1043_1043	1043	1043	-24.0802	56.18025	-0.0252	-0.1953	-0.27878	-22.9572
1043_1044	1043	1044	84.20265	-47.5461	0.0252	0.1953	0.587475	403.7922
1044_1044	1044	1044	-84.2058	35.42963	-0.0126	-0.05828	-0.58748	-403.814
1044_1045	1044	1045	120.2702	-26.7971	0.0126	0.058275	0.7434	632.2538
1045_1045	1045	1045	-120.27	26.79705	-0.01103	-0.10553	-0.7434	-632.254
1045_1046	1045	1046	146.3254	-18.1645	0.011025	0.105525	0.87885	797.3028
1046_1046	1046	1046	-146.33	5.334525	0.011025	0.089775	-0.87885	-797.347
1046_1047	1046	1047	147.5082	3.30435	-0.01103	-0.08978	0.7371	804.8061
1047_1047	1047	1047	-147.508	-3.30435	0.014175	0.033075	-0.7371	-804.806
1047_1048	1047	1048	138.6788	11.93378	-0.01418	-0.03308	0.57645	748.881
1048_1048	1048	1048	-138.688	-24.5354	-0.02048	0.234675	-0.57645	-748.917
1048_1049	1048	1049	105.2273	33.17265	0.020475	-0.23468	0.830025	536.9585
1049_1049	1049	1049	-105.227	-33.1727	-0.01733	0.155925	-0.83003	-536.963
1049_1050	1049	1050	61.7967	41.8005	0.017325	-0.15593	1.041075	261.8532
1050_1050	1050	1050	-61.7762	-53.3768	0.17955	0.24255	-1.04108	-261.871
1050_1051	1050	1051	-31.6355	65.11838	-0.17955	-0.24255	-1.88685	-379.305
1051_1051	1051	1051	29.52338	-65.5484	0.209475	0.378	2.1609	394.4106
1051_1052	1051	1052	-79.18	71.5113	-0.20948	-0.37328	-3.88238	-744.701
1052_1052	1052	1052	80.6337	-82.53	0.2268	0.3402	3.891825	744.6972
1052_1053	1052	1053	-155.824	91.10588	-0.2268	-0.31815	-6.56618	-1411.11
1053_1053	1053	1053	141.2334	-92.169	0.313425	0.72765	8.98065	1501.097
1053_1054	1053	1054	-195.546	102.2852	-0.31343	-0.68355	-13.1481	-2430.96
1054_1054	1054	1054	198.4264	-110.719	-0.76545	0.543375	13.18275	2430.951
1054_1055	1054	1055	-231.03	120.6718	0.76545	-0.6741	-3.591	-3500.49
1055_1055	1055	1055	233.7032	-120.836	-0.7623	1.1466	3.6603	3500.488
1055_1056	1055	1056	-245.906	131.0904	0.7623	-1.28993	5.9283	-4739.84
1056_1056	1056	1056	-315.849	63.75915	0.792225	-0.42368	-19.5395	1023.861
1056_1057	1056	1057	363.7368	-56.9473	-0.79223	0.423675	12.01883	-632.815
1057_1057	1057	1057	-360.547	56.93153	0.748125	-0.40478	-10.7384	610.3708
1057_1058	1057	1058	395.7156	-51.3797	-0.74813	0.404775	4.940775	-331.545
1058_1058	1058	1058	-395.716	51.37965	0.748125	-0.40478	-4.94078	331.5454

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1058_1059	1058	1059	427.2786	-45.8278	-0.74813	0.404775	-0.85523	-81.3031
1059_1059	1059	1059	-427.332	38.7198	-0.14333	-0.02993	0.855225	81.29048
1059_1060	1059	1060	451.3934	-32.9805	0.143325	0.029925	0.294525	109.483
1060_1060	1060	1060	-451.395	32.9805	-0.07718	-0.05513	-0.29453	-109.483
1060_1061	1060	1061	471.5818	-27.2491	0.077175	0.055125	0.905625	269.5266
1061_1061	1061	1061	-471.582	27.24908	0	-0.12443	-0.90563	-269.527
1061_1062	1061	1062	487.9429	-21.5114	0	0.124425	0.9072	399.2483
1062_1062	1062	1062	-487.949	12.17003	-0.08033	0.20475	-0.9072	-399.264
1062_1063	1062	1063	492.9908	-7.8687	0.080325	-0.20475	1.386	439.2297
1063_1063	1063	1063	-492.991	7.8687	0.00945	0.070875	-1.386	-439.231
1063_1064	1063	1064	495.8636	-3.57525	-0.00945	-0.07088	1.324575	462.0152
1064_1064	1064	1064	-495.864	3.57525	0.01575	0.061425	-1.32458	-462.015
1064_1065	1064	1065	496.5802	0.726075	-0.01575	-0.06143	1.230075	467.6947
1065_1065	1065	1065	-496.58	-0.72608	0.111825	-0.08978	-1.23008	-467.695
1065_1066	1065	1066	495.1328	5.0274	-0.11183	0.089775	0.5607	456.2224
1066_1066	1066	1066	-495.136	-14.4412	0.08505	0.2583	-0.5607	-456.244
1066_1067	1066	1067	483.5219	20.17733	-0.08505	-0.2583	-0.12443	364.1589
1067_1067	1067	1067	-483.52	-20.1773	0.1575	0.1701	0.124425	-364.16
1067_1068	1067	1068	468.0585	25.91505	-0.1575	-0.1701	-1.38443	241.5672
1068_1068	1068	1068	-468.059	-25.9151	0.152775	0.17325	1.384425	-241.567
1068_1069	1068	1069	448.7726	31.64333	-0.15278	-0.17325	-2.60978	88.66935
1069_1069	1069	1069	-448.878	-38.8553	-0.55598	0.508725	2.609775	-88.704
1069_1070	1069	1070	421.8228	44.41028	0.555975	-0.50873	1.69785	-125.806
1070_1070	1070	1070	-421.823	-44.4103	-0.55598	0.508725	-1.69785	125.8063
1070_1071	1070	1071	391.156	49.96688	0.555975	-0.50873	6.00705	-368.945
1071_1071	1071	1071	-395.377	-49.9984	-0.59378	0.504	-6.92213	397.0244
1071_1072	1071	1072	353.241	56.8071	0.593775	-0.504	12.56063	-742.047
1072_1072	1072	1072	218.903	144.1771	0.707175	-0.92453	-2.65545	4361.884
1072_1073	1072	1073	-193.807	-134.006	-0.70718	0.792225	-6.23543	-3019.73
1073_1073	1073	1073	190.8554	133.6262	0.710325	-0.52133	6.181875	3019.732
1073_1074	1073	1074	-141.317	-123.775	-0.71033	0.401625	-15.0806	-1830.13
1074_1074	1074	1074	137.9543	114.6033	-0.41423	-0.43785	15.0381	1830.148
1074_1075	1074	1075	-62.8488	-104.58	0.414225	0.49455	-9.53505	-817.463
1075_1075	1075	1075	70.25445	103.1216	-0.30083	-0.252	6.98355	764.0765
1075_1076	1075	1076	24.30383	-94.8827	0.300825	0.28035	-3.4461	4.590968
1076_1076	1076	1076	-25.8977	84.3129	-0.063	-0.24885	3.43665	-4.60719
1076_1077	1076	1077	87.27705	-78.5421	0.063	0.250425	-2.92005	428.6536
1077_1077	1077	1077	-83.8262	78.43185	-0.0819	-0.57173	4.099725	-424.574
1077_1078	1077	1078	175.8787	-67.988	0.0819	0.571725	-2.87753	1115.035
1078_1078	1078	1078	-175.88	57.0213	-0.05198	-0.32288	2.877525	-1115.06
1078_1079	1078	1079	226.5118	-49.0943	0.051975	0.322875	-2.2995	1494.821
1079_1079	1079	1079	-226.512	49.09433	-0.04725	-0.5796	2.2995	-1494.82
1079_1080	1079	1080	269.6101	-41.1611	0.04725	0.5796	-1.76558	1818.095
1080_1080	1080	1080	-269.616	29.13435	-0.00788	-0.13388	1.765575	-1818.15
1080_1081	1080	1081	293.6509	-21.2011	0.007875	0.133875	-1.67108	1998.434
1081_1081	1081	1081	-293.651	21.20108	-0.00473	-0.46148	1.671075	-1998.43
1081_1082	1081	1082	310.1096	-13.2694	0.004725	0.461475	-1.6191	2121.883
1082_1082	1082	1082	-310.122	0.310275	-0.0189	0.2709	1.6191	-2121.96
1082_1083	1082	1083	306.0666	8.213625	0.0189	-0.2709	-1.38758	2091.545
1083_1083	1083	1083	-306.067	-8.21363	-0.0126	-0.36698	1.387575	-2091.54
1083_1084	1083	1084	293.265	16.73753	0.0126	0.366975	-1.24268	1995.523
1084_1084	1084	1084	-293.274	-29.7344	-0.02048	0.50085	1.242675	-1995.59
1084_1085	1084	1085	261.0988	37.66613	0.020475	-0.50085	-1.00958	1754.244
1085_1085	1085	1085	-261.099	-37.6661	-0.0126	-0.0756	1.009575	-1754.25
1085_1086	1085	1086	221.3521	45.59625	0.0126	0.0756	-0.8631	1456.117
1086_1086	1086	1086	-221.362	-57.7175	-0.07403	0.5922	0.8631	-1456.16
1086_1087	1086	1087	162.4707	65.64915	0.074025	-0.5922	-0.02678	1014.429
1087_1087	1087	1087	-162.472	-65.6492	-0.06615	0.259875	0.026775	-1014.43
1087_1088	1087	1088	96.01358	73.57928	0.06615	-0.25988	0.722925	515.9448

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1088_1088	1088	1088	-95.9947	-84.3161	0.2331	0.508725	-0.72293	-515.976
1088_1089	1088	1089	-12.0299	94.3614	-0.2331	-0.50873	-2.59088	-317.834
1089_1089	1089	1089	11.7495	-94.7457	0.20475	0.44415	2.301075	327.5122
1089_1090	1089	1090	-76.6395	100.5748	-0.20475	-0.43943	-3.9942	-910.013
1090_1090	1090	1090	78.60668	-111.099	0.26145	0.546525	4.0068	910.0044
1090_1091	1090	1091	-170.39	119.4937	-0.26145	-0.5229	-7.07648	-1805.07
1091_1091	1091	1091	168.8526	-120.026	0.332325	0.48825	8.9397	1828.689
1091_1092	1091	1092	-238.835	129.9879	-0.33233	-0.44258	-13.3418	-3049.94
1092_1092	1092	1092	242.3153	-138.039	-0.83948	0.00945	13.34498	3049.947
1092_1093	1092	1093	-281.264	147.9146	0.839475	-0.14805	-2.81925	-4426.27
1093_1093	1093	1093	284.5757	-148.126	-0.8316	1.330875	2.9673	4426.258
1093_1094	1093	1094	-297.41	158.3174	0.8316	-1.48523	7.48125	-5843.32
1094_1094	1094	1094	-358.821	55.43528	0.801675	-0.48353	-20.549	1229.177
1094_1095	1094	1095	399.5586	-48.8234	-0.80168	0.483525	12.93705	-896.72
1095_1095	1095	1095	-398.845	48.95415	0.921375	-0.55125	-14.468	893.318
1095_1096	1095	1096	427.1621	-43.5456	-0.92138	0.55125	7.319025	-648.013
1096_1096	1096	1096	-427.148	43.5456	1.170225	-0.21735	-7.31903	648.018
1096_1097	1096	1097	452.1211	-38.1449	-1.17023	0.21735	-1.7388	-431.673
1097_1097	1097	1097	-452.181	31.29525	-0.1323	-0.1764	1.7388	431.6681
1097_1098	1097	1098	470.1942	-25.7135	0.1323	0.1764	-0.67568	-275.616
1098_1098	1098	1098	-470.194	25.71345	-0.01103	-0.1071	0.675675	275.6171
1098_1099	1098	1099	484.6811	-20.1317	0.011025	0.1071	-0.5859	-150.129
1099_1099	1099	1099	-484.681	20.13165	-0.01103	-0.1071	0.5859	150.129
1099_1100	1099	1100	495.6383	-14.5483	0.011025	0.1071	-0.49613	-55.2006
1100_1100	1100	1100	-495.618	5.885775	0.5292	0.023625	0.496125	55.19588
1100_1101	1100	1101	497.4165	-1.69943	-0.5292	-0.02363	-3.67448	-39.6254
1101_1101	1101	1101	-497.417	1.699425	0.52605	0.023625	3.674475	39.62543
1101_1102	1101	1102	497.2307	2.480625	-0.52605	-0.02363	-6.82763	-41.2272
1102_1102	1102	1102	-497.229	-2.48063	-0.6048	-0.07403	6.827625	41.22563
1102_1103	1102	1103	495.0603	6.66855	0.6048	0.074025	-3.2004	-60.0107
1103_1103	1103	1103	-495.065	-6.66855	-0.44258	-0.05355	3.2004	60.01223
1103_1104	1103	1104	490.9118	10.8549	0.442575	0.05355	-0.54495	-95.9947
1104_1104	1104	1104	-490.909	-19.5048	-0.0126	0.055125	0.54495	95.9931
1104_1105	1104	1105	476.836	25.08188	0.0126	-0.05513	-0.44415	-217.911
1105_1105	1105	1105	-476.836	-25.0819	0.1134	0.111825	0.44415	217.9107
1105_1106	1105	1106	459.218	30.66525	-0.1134	-0.11183	-1.34505	-370.528
1106_1106	1106	1106	-459.218	-30.6653	0.1134	0.111825	1.34505	370.5282
1106_1107	1106	1107	438.0721	36.24863	-0.1134	-0.11183	-2.24753	-553.713
1107_1107	1107	1107	-438.097	-43.196	-0.94185	0.341775	2.247525	553.7117
1107_1108	1107	1108	410.0324	48.5982	0.94185	-0.34178	5.047875	-796.838
1108_1108	1108	1108	-410.032	-48.5982	-0.9387	0.348075	-5.04788	796.8382
1108_1109	1108	1109	378.6221	54.00675	0.9387	-0.34808	12.32595	-1068.95
1109_1109	1109	1109	-379.586	-53.8729	-0.76388	0.455175	-11.2172	1073.545
1109_1110	1109	1110	335.0419	60.4863	0.763875	-0.45518	18.47948	-1453.16
1110_1110	1110	1110	308.0291	155.4572	0.78435	-1.53878	-5.16128	6157.011
1110_1111	1110	1111	-300.362	-145.217	-0.78435	1.39545	-4.69665	-4653.97
1111_1111	1111	1111	297.1049	144.9851	0.7938	-0.07403	4.536	4653.981
1111_1112	1111	1112	-264.639	-135.053	-0.7938	-0.0567	-14.479	-3306.76
1112_1112	1112	1112	261.1366	127.197	-0.41895	-0.5922	14.48685	3306.821
1112_1113	1112	1113	-198.578	-117.178	0.41895	0.650475	-8.92868	-2154.1
1113_1113	1113	1113	200.7999	116.687	-0.3276	-0.35123	7.057575	2126.776
1113_1114	1113	1114	-114.862	-108.403	0.3276	0.379575	-3.21143	-1187.5
1114_1114	1114	1114	112.9574	98.44223	-0.12915	-0.6678	3.205125	1187.516
1114_1115	1114	1115	-50.5622	-92.7077	0.12915	0.67095	-2.13728	-691.475
1115_1115	1115	1115	58.69868	91.83353	-0.1008	-0.28193	1.775025	624.141
1115_1116	1115	1116	59.37908	-81.6622	0.1008	0.281925	-0.29295	212.9636
1116_1116	1116	1116	-59.3791	71.00415	-0.01575	-0.23153	0.29295	-212.962
1116_1117	1116	1117	128.9768	-63.2567	0.01575	0.231525	-0.1197	669.9105
1117_1117	1117	1117	-128.975	63.25673	-0.0126	-0.3087	0.1197	-669.909

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1117_1118	1117	1118	190.5388	-55.5093	0.0126	0.3087	0.0189	1074.114
1118_1118	1118	1118	-190.539	43.74878	-0.00788	0	-0.0189	-1074.11
1118_1119	1118	1119	231.9109	-35.9935	0.007875	0	0.111825	1345.746
1119_1119	1119	1119	-231.911	35.99348	-0.00158	-0.31028	-0.11183	-1345.74
1119_1120	1119	1120	265.2095	-28.2476	0.001575	0.310275	0.137025	1564.373
1120_1120	1120	1120	-265.211	15.52635	-0.00315	0.11025	-0.13703	-1564.38
1120_1121	1120	1121	277.8757	-7.19303	0.00315	-0.11025	0.1827	1647.535
1121_1121	1121	1121	-277.876	7.193025	-0.00158	-0.06458	-0.1827	-1647.54
1121_1122	1121	1122	281.2525	1.132425	0.001575	0.064575	0.1953	1669.703
1122_1122	1122	1122	-281.252	-13.9718	-0.01575	0.281925	-0.1953	-1669.7
1122_1123	1122	1123	262.7336	21.72555	0.01575	-0.28193	0.38115	1548.11
1123_1123	1123	1123	-262.734	-21.7256	-0.01418	0.10395	-0.38115	-1548.11
1123_1124	1123	1124	236.1965	29.47298	0.014175	-0.10395	0.53235	1373.879
1124_1124	1124	1124	-236.196	-41.2146	-0.00945	0.439425	-0.53235	-1373.88
1124_1125	1124	1125	189.4127	48.96833	0.00945	-0.43943	0.637875	1066.713
1125_1125	1125	1125	-189.414	-48.9683	-0.00315	0.193725	-0.63788	-1066.72
1125_1126	1125	1126	134.6389	56.71418	0.00315	-0.19373	0.675675	707.0805
1126_1126	1126	1126	-134.637	-67.1218	0.12285	0.36225	-0.67568	-707.084
1126_1127	1126	1127	42.18795	76.7277	-0.12285	-0.36225	-1.03005	100.0913
1127_1127	1127	1127	-42.3061	-76.9655	0.1134	0.222075	0.927675	-108.374
1127_1128	1127	1128	-19.2323	82.6245	-0.1134	-0.2205	-1.86008	-299.431
1128_1128	1128	1128	20.81993	-92.8494	0.244125	0.168525	1.8648	299.4264
1128_1129	1128	1129	-113.28	100.9512	-0.24413	-0.1449	-4.72815	-1091.5
1129_1129	1129	1129	101.3765	-102.425	0.307125	0.62685	5.841675	1173.728
1129_1130	1129	1130	-171.606	112.3967	-0.30713	-0.5859	-9.91463	-2176.88
1130_1130	1130	1130	174.6801	-120.48	-0.8064	0.27405	9.927225	2176.871
1130_1131	1130	1131	-218.35	130.3139	0.8064	-0.40793	0.171675	-3338.31
1131_1131	1131	1131	221.2166	-130.722	-0.80325	0.8883	-0.1197	3338.303
1131_1132	1131	1132	-240.759	140.8806	0.80325	-1.03635	10.21703	-4676.95
1132_1132	1132	1132	-340.094	55.86368	1.5372	0.0756	-22.9415	874.9914
1132_1133	1132	1133	383.0479	-49.151	-1.5372	-0.0756	8.3349	-522.502
1133_1133	1133	1133	-362.554	48.95258	1.32615	-0.27563	-7.56315	422.5772
1133_1134	1133	1134	395.1313	-43.4984	-1.32615	0.275625	-2.71845	-194.642
1134_1134	1134	1134	-395.253	43.49835	0.508725	-0.63945	2.71845	194.5818
1134_1135	1134	1135	423.99	-38.0426	-0.50873	0.63945	-6.65753	6.484275
1135_1135	1135	1135	-423.918	31.4811	-0.12128	-0.11655	6.657525	-6.41498
1135_1136	1135	1136	444.7753	-25.8505	0.121275	0.11655	-5.68418	152.3545
1136_1136	1136	1136	-444.774	25.85048	-0.18743	-0.0945	5.684175	-152.356
1136_1137	1136	1137	461.5349	-20.2183	0.187425	0.0945	-4.18478	269.629
1137_1137	1137	1137	-461.536	20.21828	-0.12128	-0.13388	4.184775	-269.627
1137_1138	1137	1138	474.1994	-14.5877	0.121275	0.133875	-3.213	358.2275
1138_1138	1138	1138	-474.214	5.224275	-0.09923	0.02835	3.213	-358.213
1138_1139	1138	1139	475.9115	-1.008	0.099225	-0.02835	-2.61765	370.0904
1139_1139	1139	1139	-475.913	1.008	-0.00945	-0.04725	2.61765	-370.09
1139_1140	1139	1140	475.3098	3.21615	0.00945	0.04725	-2.56253	365.8757
1140_1140	1140	1140	-475.31	-3.21615	-0.00945	-0.04725	2.562525	-365.876
1140_1141	1140	1141	472.4024	7.438725	0.00945	0.04725	-2.5074	345.533
1141_1141	1141	1141	-472.402	-7.43873	-0.09765	0.02205	2.5074	-345.533
1141_1142	1141	1142	467.1891	11.66288	0.09765	-0.02205	-1.92308	309.0638
1142_1142	1142	1142	-467.192	-20.8814	0.02205	0.0693	1.923075	-309.045
1142_1143	1142	1143	449.9492	26.51355	-0.02205	-0.0693	-2.10263	188.3999
1143_1143	1143	1143	-449.949	-26.5136	0.02205	0.0693	2.102625	-188.4
1143_1144	1143	1144	428.6095	32.14418	-0.02205	-0.0693	-2.28375	39.0852
1144_1144	1144	1144	-428.609	-32.1442	-0.0441	0.0756	2.28375	-39.0852
1144_1145	1144	1145	403.1717	37.77638	0.0441	-0.0756	-1.93568	-138.904
1145_1145	1145	1145	-403.065	-44.7899	-0.62843	0.281925	1.935675	138.9371
1145_1146	1145	1146	369.6147	50.23778	0.628425	-0.28193	2.92635	-372.979
1146_1146	1146	1146	-369.615	-50.2378	-0.62685	0.2835	-2.92635	372.9789
1146_1147	1146	1147	332.2793	55.69358	0.62685	-0.2835	7.785225	-634.212

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1147_1147	1147	1147	-352.598	-55.8968	-0.63	0.329175	-8.27348	733.2334
1147_1148	1147	1148	303.8285	62.60783	0.63	-0.32918	14.25848	-1101.16
1148_1148	1148	1148	255.5469	136.2769	0.486675	-0.9765	-3.6981	4843.131
1148_1149	1148	1149	-243.515	-126.052	-0.48668	0.88515	-2.42708	-3576.27
1149_1149	1149	1149	240.7451	125.507	0.489825	-0.4347	2.37195	3576.277
1149_1150	1149	1150	-206.465	-115.603	-0.48983	0.351225	-8.51603	-2460.73
1150_1150	1150	1150	203.5782	106.4495	-0.24885	-0.50085	8.49555	2460.794
1150_1151	1150	1151	-145.454	-96.4168	0.24885	0.5355	-5.19908	-1507.24
1151_1151	1151	1151	162.529	94.90005	-0.20003	-0.20003	4.2084	1403.322
1151_1152	1151	1152	-81.0716	-86.3651	0.200025	0.218925	-1.86165	-721.703
1152_1152	1152	1152	79.5627	75.95753	-0.09608	-0.2079	1.853775	721.7138
1152_1153	1152	1153	-24.4724	-70.0214	0.096075	0.209475	-1.06628	-347.3
1153_1153	1153	1153	27.17663	69.40553	-0.08033	-0.14805	0.905625	331.1123
1153_1154	1153	1154	62.46765	-59.5571	0.080325	0.14805	0.2016	196.4671
1154_1154	1154	1154	-62.4771	49.25655	-0.01733	-0.0882	-0.2016	-196.453
1154_1155	1154	1155	112.9133	-41.3721	0.017325	0.0882	0.395325	493.2774
1155_1155	1155	1155	-112.913	41.3721	-0.01575	-0.1197	-0.39533	-493.276
1155_1156	1155	1156	154.5721	-33.4877	0.01575	0.1197	0.562275	738.4514
1156_1156	1156	1156	-154.572	22.8627	0.0063	0.007875	-0.56228	-738.429
1156_1157	1156	1157	174.1115	-15.6807	-0.0063	-0.00788	0.504	853.4232
1157_1157	1157	1157	-174.112	15.6807	0.007875	-0.0504	-0.504	-853.423
1157_1158	1157	1158	186.3603	-8.50658	-0.00788	0.0504	0.417375	925.5094
1158_1158	1158	1158	-186.354	-1.7829	-0.01103	0.080325	-0.41738	-925.49
1158_1159	1158	1159	180.9061	8.9649	0.011025	-0.08033	0.51975	893.4266
1159_1159	1159	1159	-180.906	-8.9649	-0.00788	0.0189	-0.51975	-893.427
1159_1160	1159	1160	168.1927	16.13903	0.007875	-0.0189	0.593775	818.6063
1160_1160	1160	1160	-168.196	-26.6207	0.02205	0.127575	-0.59378	-818.589
1160_1161	1160	1161	134.179	34.5051	-0.02205	-0.12758	0.357525	618.3891
1161_1161	1161	1161	-134.179	-34.5051	0.02205	0.127575	-0.35753	-618.389
1161_1162	1161	1162	91.38623	42.38955	-0.02205	-0.12758	0.12285	366.5419
1162_1162	1162	1162	-91.3957	-52.4176	0.07875	0.155925	-0.12285	-366.531
1162_1163	1162	1163	11.67705	62.26605	-0.07875	-0.15593	-0.94973	-102.638
1163_1163	1163	1163	-12.233	-62.9024	0.08505	0.203175	1.041075	107.9899
1163_1164	1163	1164	-38.6505	68.83065	-0.08505	-0.2016	-1.74038	-442.566
1164_1164	1164	1164	39.99713	-79.2099	0.189	0.228375	1.746675	442.5766
1164_1165	1164	1165	-118.475	87.69758	-0.189	-0.20948	-3.96428	-1061.5
1165_1165	1165	1165	111.3131	-88.8899	0.21105	0.28035	4.439925	1110.859
1165_1166	1165	1166	-173.195	99.29273	-0.21105	-0.25043	-7.2387	-1965.48
1166_1166	1166	1166	176.1275	-108.524	-0.4032	0.24885	7.26075	1965.531
1166_1167	1166	1167	-215.788	118.7755	0.4032	-0.31815	-2.21445	-2984.97
1167_1167	1167	1167	218.369	-119.371	-0.40005	0.61425	2.2554	2984.968
1167_1168	1167	1168	-235.744	129.9674	0.40005	-0.69143	2.772	-4156.92
1168_1168	1168	1168	-289.814	63.98123	0.4851	-0.34965	-11.0203	874.9645
1168_1169	1168	1169	342.4097	-56.952	-0.4851	0.34965	6.4134	-510.785
1169_1169	1169	1169	-324.552	56.78663	0.4095	-0.35123	-5.22113	423.8057
1169_1170	1169	1170	364.2518	-51.0678	-0.4095	0.351225	2.04435	-164.58
1170_1170	1170	1170	-364.252	51.0678	0.4095	-0.35123	-2.04435	164.5796
1170_1171	1170	1171	399.7413	-45.349	-0.4095	0.351225	-1.13085	67.158
1171_1171	1171	1171	-399.647	37.87245	0.03465	-0.12285	1.13085	-67.1139
1171_1172	1171	1172	426.184	-31.9694	-0.03465	0.12285	-1.40648	240.3891
1172_1172	1172	1172	-426.184	31.96935	-0.0126	-0.0882	1.406475	-240.391
1172_1173	1172	1173	448.2104	-26.0741	0.0126	0.0882	-1.30725	384.2165
1173_1173	1173	1173	-448.21	26.07413	0.03465	-0.14333	1.30725	-384.215
1173_1174	1173	1174	465.7811	-20.171	-0.03465	0.143325	-1.58288	498.9458
1174_1174	1174	1174	-465.775	10.39973	0.020475	-0.03465	1.582875	-498.927
1174_1175	1174	1175	470.4399	-5.9724	-0.02048	0.03465	-1.70573	529.3906
1175_1175	1175	1175	-470.44	5.9724	-0.04095	0.064575	1.705725	-529.391
1175_1176	1175	1176	472.5819	-1.54508	0.04095	-0.06458	-1.4616	543.3797
1176_1176	1176	1176	-472.582	1.545075	0.020475	-0.0378	1.4616	-543.38

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1176_1177	1176	1177	472.2023	2.88225	-0.02048	0.0378	-1.58445	540.8912
1177_1177	1177	1177	-472.202	-2.88225	0.020475	-0.0378	1.58445	-540.891
1177_1178	1177	1178	469.298	7.309575	-0.02048	0.0378	-1.70888	521.9282
1178_1178	1178	1178	-469.295	-17.0352	-0.02363	0.13545	1.708875	-521.909
1178_1179	1178	1179	454.1292	22.93043	0.023625	-0.13545	-1.52145	422.8765
1179_1179	1179	1179	-454.129	-22.9304	0.023625	0.074025	1.52145	-422.878
1179_1180	1179	1180	434.4606	28.83353	-0.02363	-0.07403	-1.7073	294.4526
1180_1180	1180	1180	-434.461	-28.8335	0.023625	0.074025	1.7073	-294.453
1180_1181	1180	1181	410.308	34.73663	-0.02363	-0.07403	-1.89473	136.7368
1181_1181	1181	1181	-410.204	-42.0604	-0.46148	0.3465	1.894725	-136.69
1181_1182	1181	1182	377.1353	47.7792	0.461475	-0.3465	1.6821	-79.2414
1182_1182	1182	1182	-377.135	-47.7792	-0.46148	0.3465	-1.6821	79.2414
1182_1183	1182	1183	339.8567	53.49803	0.461475	-0.3465	5.258925	-322.661
1183_1183	1183	1183	-354.978	-53.6177	-0.55125	0.288225	-6.09053	396.311
1183_1184	1183	1184	304.8428	60.64223	0.55125	-0.28823	11.3337	-753.397
1184_1184	1184	1184	228.6459	132.4685	0.43785	-0.4473	-2.3688	4055.089
1184_1185	1184	1185	-206.705	-121.925	-0.43785	0.36225	-3.12323	-2878.51
1185_1185	1185	1185	204.0602	121.3286	0.4347	-0.75915	3.13425	2878.501
1185_1186	1185	1186	-158.426	-111.134	-0.4347	0.681975	-8.58218	-1835.44
1186_1186	1186	1186	155.7124	101.5371	-0.23153	-0.29768	8.528625	1835.52
1186_1187	1186	1187	-87.0975	-91.1957	0.231525	0.33075	-5.45265	-974.067
1187_1187	1187	1187	92.7234	89.96243	-0.2079	-0.2583	4.865175	929.4655
1187_1188	1187	1188	-8.85938	-81.1235	0.2079	0.278775	-2.4255	-252.867
1188_1188	1188	1188	7.44975	70.18515	-0.10238	-0.25673	2.41605	252.8826
1188_1189	1188	1189	45.45293	-63.9986	0.102375	0.2583	-1.57185	103.2728
1189_1189	1189	1189	-46.0168	63.64733	-0.09608	-0.21893	1.460025	-109.818
1189_1190	1189	1190	125.3165	-53.2791	0.096075	0.218925	-0.13073	608.4257
1190_1190	1190	1190	-125.327	42.7455	-0.02993	-0.21263	0.130725	-608.408
1190_1191	1190	1191	167.2099	-34.45	0.029925	0.212625	0.203175	871.7483
1191_1191	1191	1191	-167.21	34.44998	-0.03308	-0.15278	-0.20318	-871.751
1191_1192	1191	1192	200.0912	-26.1545	0.033075	0.152775	0.56385	1078.502
1192_1192	1192	1192	-200.088	15.0255	-0.01733	-0.00945	-0.56385	-1078.46
1192_1193	1192	1193	211.2721	-7.4025	0.017325	0.00945	0.73395	1148.78
1193_1193	1193	1193	-211.272	7.4025	-0.01418	-0.0945	-0.73395	-1148.78
1193_1194	1193	1194	214.8521	0.222075	0.014175	0.0945	0.874125	1171.291
1194_1194	1194	1194	-214.849	-10.8581	-0.01418	0.067725	-0.87413	-1171.27
1194_1195	1194	1195	200.2187	18.48263	0.014175	-0.06773	1.0206	1079.273
1195_1195	1195	1195	-200.219	-18.4826	-0.01418	0.067725	-1.0206	-1079.27
1195_1196	1195	1196	177.9845	26.10563	0.014175	-0.06773	1.1655	939.4718
1196_1196	1196	1196	-177.989	-37.0676	0.036225	0.1575	-1.1655	-939.421
1196_1197	1196	1197	133.2671	45.36315	-0.03623	-0.1575	0.767025	658.2209
1197_1197	1197	1197	-133.267	-45.3632	0.033075	0.20475	-0.76703	-658.218
1197_1198	1197	1198	79.59578	53.64923	-0.03308	-0.20475	0.398475	320.7503
1198_1198	1198	1198	-79.6115	-64.0931	0.09765	0.228375	-0.39848	-320.739
1198_1199	1198	1199	-14.3561	74.46128	-0.09765	-0.22838	-0.94185	-278.2
1199_1199	1199	1199	14.1939	-74.9716	0.10395	0.303975	1.019025	278.1915
1199_1200	1199	1200	-73.4407	81.17393	-0.10395	-0.30083	-1.88055	-681.592
1200_1200	1200	1200	75.0141	-91.7737	0.21105	0.376425	1.891575	681.6192
1200_1201	1200	1201	-163.03	100.589	-0.21105	-0.35438	-4.37378	-1409.57
1201_1201	1201	1201	147.5838	-101.958	0.3213	0.48825	6.673275	1512.996
1201_1202	1201	1202	-212.723	112.8157	-0.3213	-0.43628	-10.9337	-2504.25
1202_1202	1202	1202	216.1105	-122.403	-0.72765	0.7245	10.99823	2504.384
1202_1203	1202	1203	-256.648	133.1096	0.72765	-0.86783	-1.88055	-3648.49
1203_1203	1203	1203	259.5521	-133.469	-0.72765	0.84735	1.904175	3648.492
1203_1204	1203	1204	-276.362	144.5567	0.72765	-1.008	7.23555	-4974.84
1204_1204	1204	1204	-321.401	65.0853	0.87885	-0.56385	-22.0264	1076.873
1204_1205	1204	1205	372.3237	-57.6608	-0.87885	0.56385	13.67573	-692.983
1205_1205	1205	1205	-358.19	57.53633	0.754425	-0.66308	-12.3685	579.1102
1205_1206	1205	1206	396.1267	-51.4994	-0.75443	0.663075	6.522075	-308.796

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1206_1206	1206	1206	-396.127	51.49935	0.756	-0.66308	-6.52208	308.7977
1206_1207	1206	1207	429.9026	-45.4561	-0.756	0.663075	0.656775	-68.1235
1207_1207	1207	1207	-429.75	37.57163	0.033075	-0.1701	-0.65678	68.23688
1207_1208	1207	1208	454.5277	-31.3315	-0.03308	0.1701	0.395325	108.3238
1208_1208	1208	1208	-454.528	31.33148	0.105525	-0.18585	-0.39533	-108.321
1208_1209	1208	1209	474.8184	-25.0929	-0.10553	0.18585	-0.4536	252.9025
1209_1209	1209	1209	-474.818	25.0929	0.105525	-0.18585	0.4536	-252.902
1209_1210	1209	1210	490.622	-18.8543	-0.10553	0.18585	-1.3041	365.5087
1210_1210	1210	1210	-490.609	8.569575	-0.02835	0.0441	1.3041	-365.474
1210_1211	1210	1211	493.9704	-3.89025	0.02835	-0.0441	-1.13873	389.4172
1211_1211	1211	1211	-493.969	3.89025	0.070875	-0.0315	1.138725	-389.417
1211_1212	1211	1212	494.8052	0.789075	-0.07088	0.0315	-1.56083	395.3738
1212_1212	1212	1212	-494.805	-0.78908	0.067725	-0.02993	1.560825	-395.374
1212_1213	1212	1213	493.1231	5.4621	-0.06773	0.029925	-1.97033	383.3802
1213_1213	1213	1213	-493.123	-5.4621	-0.02835	0.042525	1.970325	-383.38
1213_1214	1213	1214	488.9147	10.14143	0.02835	-0.04253	-1.80495	353.3954
1214_1214	1214	1214	-488.894	-20.5301	0	0.181125	1.80495	-353.351
1214_1215	1214	1215	471.8858	26.7687	0	-0.18113	-1.80338	232.155
1215_1215	1215	1215	-471.886	-26.7687	-0.07403	0.2142	1.803375	-232.152
1215_1216	1215	1216	450.3886	33.00728	0.074025	-0.2142	-1.21275	78.97838
1216_1216	1216	1216	-450.389	-33.0073	0	0.203175	1.21275	-78.98
1216_1217	1216	1217	424.4058	39.24743	0	-0.20318	-1.21118	-106.164
1217_1217	1217	1217	-424.258	-47.0421	-0.70718	0.62685	1.211175	106.2637
1217_1218	1217	1218	389.3762	53.08695	0.707175	-0.62685	4.26825	-354.816
1218_1218	1218	1218	-389.376	-53.087	-0.70875	0.625275	-4.26825	354.816
1218_1219	1218	1219	350.3351	59.12235	0.70875	-0.62528	9.750825	-632.996
1219_1219	1219	1219	-361.171	-59.2043	-0.68828	0.675675	-10.0343	729.5274
1219_1220	1219	1220	308.3882	66.6225	0.688275	-0.67568	16.5753	-1109.72
1220_1220	1220	1220	300.4155	150.2408	0.7434	-2.3247	-2.54048	5038.827
1220_1221	1220	1221	-281.078	-139.143	-0.7434	2.156175	-6.80085	-3678.95
1221_1221	1221	1221	278.0978	139.2111	0.757575	0.366975	6.5205	3678.997
1221_1222	1221	1222	-232.993	-128.52	-0.75758	-0.51818	-16.0115	-2499.1
1222_1222	1222	1222	229.9358	121.3648	-0.3213	-0.5796	16.0524	2498.927
1222_1223	1222	1223	-155.259	-110.54	0.3213	0.631575	-11.7873	-1432.76
1223_1223	1223	1223	169.4306	109.5287	-0.20318	-0.02993	7.69545	1337.208
1223_1224	1223	1224	-70.3017	-100.208	0.203175	0.051975	-5.30303	-577.735
1224_1224	1224	1224	68.54558	88.53705	-0.13703	-0.13388	5.299875	577.7254
1224_1225	1224	1225	-2.65388	-81.9551	0.137025	0.1386	-4.1706	-136.764
1225_1225	1225	1225	0.225225	82.05435	-0.14175	-0.19373	4.550175	145.3473
1225_1226	1225	1226	112.7684	-68.8165	0.14175	0.193725	-2.21918	640.573
1226_1226	1226	1226	-112.772	56.11725	-0.05828	0.252	2.219175	-640.45
1226_1227	1226	1227	170.3756	-46.1633	0.058275	-0.252	-1.50255	1041.111
1227_1227	1227	1227	-170.377	46.16325	-0.04725	-0.4221	1.50255	-1041.11
1227_1228	1227	1228	216.7373	-36.2171	0.04725	0.4221	-0.91193	1363.566
1228_1228	1228	1228	-216.695	22.18073	-0.01418	0.4599	0.911925	-1363.19
1228_1229	1228	1229	236.0736	-12.2267	0.014175	-0.4599	-0.7371	1497.989
1229_1229	1229	1229	-236.075	12.22673	-0.00788	-0.18743	0.7371	-1497.99
1229_1230	1229	1230	244.24	-2.2806	0.007875	0.187425	-0.64733	1554.78
1230_1230	1230	1230	-244.205	-11.4046	0.12285	0.546525	0.647325	-1554.18
1230_1231	1230	1231	225.7684	21.35228	-0.12285	-0.54653	-2.1546	1425.944
1231_1231	1231	1231	-225.765	-21.3523	0.12915	-0.07245	2.1546	-1425.95
1231_1232	1231	1232	196.1552	31.2921	-0.12915	0.07245	-3.74535	1220
1232_1232	1232	1232	-196.111	-44.1945	0.17325	0.65205	3.74535	-1219.61
1232_1233	1232	1233	152.6443	52.16715	-0.17325	-0.65205	-5.45423	917.2753
1233_1233	1233	1233	-152.64	-52.1672	0.17955	0.263025	5.454225	-917.286
1233_1234	1233	1234	93.14865	61.42343	-0.17955	-0.26303	-7.51275	518.6057
1234_1234	1234	1234	-92.2147	-61.7447	0.3087	-0.07245	12.2724	-521.943
1234_1235	1234	1235	74.151	64.27418	-0.3087	0.074025	-13.2426	392.1692
1235_1235	1235	1235	-72.5225	-74.7212	-0.44888	0.252	13.2615	-391.895

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1235_1236	1235	1236	22.80443	80.6526	0.448875	-0.2772	-10.0517	29.17941
1236_1236	1236	1236	-22.9997	-80.5723	-0.44258	0.294525	10.05008	-29.1891
1236_1237	1236	1237	-43.0227	88.70085	0.442575	-0.32445	-5.7519	-516.672
1237_1237	1237	1237	34.23105	-90.1798	-0.6678	0.6741	8.8893	575.6067
1237_1238	1237	1238	-59.546	94.31415	0.6678	-0.70718	-5.7015	-881.142
1238_1238	1238	1238	61.15725	-107.691	0.407925	-0.5733	5.624325	880.6233
1238_1239	1238	1239	-116.433	117.1044	-0.40793	0.631575	-10.0044	-1763.79
1239_1239	1239	1239	118.6668	-117.235	0.423675	0.17955	10.09103	1763.782
1239_1240	1239	1240	-158.017	127.0663	-0.42368	-0.10395	-14.7263	-2772.33
1240_1240	1240	1240	162.8361	-140.778	-2.13098	1.4994	14.94833	2772.245
1240_1241	1240	1241	-194.542	151.6757	2.130975	-1.9593	10.38398	-4071.47
1241_1241	1241	1241	-329.797	83.68763	-0.75758	-2.39085	-8.58375	849.7235
1241_1242	1241	1242	387.6737	-75.5921	0.757575	2.39085	15.78308	-324.396
1242_1242	1242	1242	-382.826	75.5307	-0.61583	-2.19713	-14.8964	300.9935
1242_1243	1242	1243	401.0108	-72.8375	0.615825	2.197125	16.84778	-138.972
1243_1243	1243	1243	-401.318	57.84188	0.54495	-0.945	-16.8478	139.4395
1243_1244	1243	1244	439.803	-50	-0.54495	0.945	11.82353	203.4522
1244_1244	1244	1244	-439.79	49.99995	0.836325	-1.0773	-11.8235	-203.435
1244_1245	1244	1245	476.5304	-41.1422	-0.83633	1.0773	3.120075	530.7703
1245_1245	1245	1245	-476.053	32.61668	-0.21893	-0.18428	-3.12008	-530.345
1245_1246	1245	1246	497.5504	-24.3196	0.218925	0.184275	5.2479	721.8824
1246_1246	1246	1246	-497.55	24.31958	0.0693	-0.6489	-5.2479	-721.874
1246_1247	1246	1247	512.946	-15.9107	-0.0693	0.6489	4.56435	859.0475
1247_1247	1247	1247	-512.804	5.510925	0.09765	0.414225	-4.56435	-858.526
1247_1248	1247	1248	513.9619	2.2176	-0.09765	-0.41423	3.6792	868.8472
1248_1248	1248	1248	-513.96	-2.2176	0.272475	0.074025	-3.6792	-868.849
1248_1249	1248	1249	508.4919	11.18565	-0.27248	-0.07403	0.80955	820.1198
1249_1249	1249	1249	-508.06	-20.0025	-0.92138	0.94815	-0.80955	-819.729
1249_1250	1249	1250	488.5193	28.80203	0.921375	-0.94815	10.33358	645.624
1250_1250	1250	1250	-488.535	-28.802	-0.56385	0.43155	-10.3336	-645.637
1250_1251	1250	1251	464.9699	36.70695	0.56385	-0.43155	15.5736	435.6781
1251_1251	1251	1251	-465.116	-54.6163	0.2835	0.225225	-15.5736	-435.681
1251_1252	1251	1252	418.865	63.24098	-0.2835	-0.22523	12.70553	23.59823
1252_1252	1252	1252	-418.859	-63.241	0.552825	0.209475	-12.7055	-23.6014
1252_1253	1252	1253	359.8103	72.78075	-0.55283	-0.20948	6.5016	-502.507
1253_1253	1253	1253	-361.036	-72.7619	0.474075	0.14805	-6.28898	508.4116
1253_1254	1253	1254	342.8145	75.45038	-0.47408	-0.14805	4.79115	-669.755
1254_1254	1254	1254	-342.706	-88.5481	0.3717	0.56385	-4.79115	669.7026
1254_1255	1254	1255	297.7475	93.93773	-0.3717	-0.56385	2.43495	-1078.47
1255_1255	1255	1255	223.2578	144.7709	0.6426	-0.93555	13.83165	4396.047
1255_1256	1255	1256	-207.717	-137.275	-0.6426	0.8379	-19.0355	-3507.23
1256_1256	1256	1256	205.8982	137.4329	0.647325	0.26145	18.86693	3507.257
1256_1257	1256	1257	-185.113	-130.813	-0.64733	-0.34493	-23.5683	-2790.52
1257_1257	1257	1257	181.9535	112.0644	-0.29295	-1.06943	23.6565	2790.135
1257_1258	1257	1258	-149.943	-102.759	0.29295	1.116675	-20.6136	-1959.12
1258_1258	1258	1258	147.8768	103.0365	-0.28508	-0.4662	20.50335	1959.159
1258_1259	1258	1259	-90.2302	-91.9895	0.285075	0.5103	-16.9045	-1060.34
1259_1259	1259	1259	105.5581	84.59955	-0.02205	-0.23468	10.89113	961.1545
1259_1260	1259	1260	-40.55	-75.4378	0.02205	0.23625	-10.6502	-385.408
1260_1260	1260	1260	39.2994	75.40155	-0.0189	-0.32288	10.63755	385.4197
1260_1261	1260	1261	20.8278	-67.1722	0.0189	0.32445	-10.4627	61.09898
1261_1261	1261	1261	-21.3365	66.7674	-0.0126	-0.43943	7.917525	-56.2937
1261_1262	1261	1262	40.94685	-64.0033	0.0126	0.439425	-7.875	179.9737
1262_1262	1262	1262	-40.8886	48.91793	-0.24255	0.089775	7.875	-179.846
1262_1263	1262	1263	87.26918	-39.2144	0.24255	-0.08978	-5.18648	472.3646
1263_1263	1263	1263	-87.2755	39.21435	-0.23625	-0.08348	5.186475	-472.365
1263_1264	1263	1264	125.7055	-28.7957	0.23625	0.083475	-2.35935	714.7382
1264_1264	1264	1264	-125.724	15.23183	-0.0126	0.247275	2.35935	-714.661
1264_1265	1264	1265	136.8817	-5.12505	0.0126	-0.24728	-2.21288	785.032

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1265_1265	1265	1265	-136.883	5.12505	-0.00788	-0.0504	2.212875	-785.035
1265_1266	1265	1266	137.0077	4.896675	0.007875	0.0504	-2.12783	785.8179
1266_1266	1266	1266	-137.003	-18.3692	0.042525	0.24885	2.127825	-785.782
1266_1267	1266	1267	111.0533	28.5642	-0.04253	-0.24885	-2.63183	622.1156
1267_1267	1267	1267	-111.053	-28.5642	0.04725	0.086625	2.631825	-622.119
1267_1268	1267	1268	74.95898	38.48985	-0.04725	-0.08663	-3.1626	394.4777
1268_1268	1268	1268	-74.959	-51.8459	0.039375	0.266175	3.1626	-394.486
1268_1269	1268	1269	3.850875	63.23783	-0.03938	-0.26618	-3.6666	-53.9768
1269_1269	1269	1269	-3.85245	-63.2378	0.042525	0.285075	3.6666	53.96895
1269_1270	1269	1270	-70.1411	73.23435	-0.04253	-0.28508	-4.16115	-520.637
1270_1270	1270	1270	70.13948	-83.2277	-0.08505	0.2205	4.16115	520.6273
1270_1271	1270	1271	-145.848	91.22873	0.08505	-0.2205	-3.3831	-998.111
1271_1271	1271	1271	145.845	-91.2287	-0.0819	0.48825	3.3831	998.1011
1271_1272	1271	1272	-247.384	100.9701	0.0819	-0.48825	-2.4759	-1753.2
1272_1272	1272	1272	230.6052	-101.183	-0.10553	1.18125	3.381525	1910.118
1272_1273	1272	1273	-266.673	104.8383	0.105525	-1.18283	-2.94053	-2210.94
1273_1273	1273	1273	268.0272	-119.349	0.187425	-0.77963	2.91375	2211.183
1273_1274	1273	1274	-340.392	126.3434	-0.18743	0.7875	-4.40528	-2828.22
1274_1274	1274	1274	342.0837	-125.137	0.190575	-0.35753	4.41	2828.228
1274_1275	1274	1275	-399.804	132.2024	-0.19058	0.3717	-5.91098	-3524.03
1275_1275	1275	1275	350.7147	-133.588	0.303975	2.10735	9.25155	3836.044
1275_1276	1275	1276	-371.257	137.4975	-0.30398	-2.09475	-10.5242	-4276.81
1276_1276	1276	1276	373.4483	-143.393	-2.39558	-3.4839	10.1745	4277.052
1276_1277	1276	1277	-413.789	154.9469	2.395575	3.12165	17.99438	-5617.38
1277_1277	1277	1277	417.0915	-153.794	-2.38455	1.623825	-17.651	5617.421
1277_1278	1277	1278	-429.326	166.876	2.38455	-2.11365	48.13988	-7284.88
1278_1278	1278	1278	433.5865	-176.178	1.201725	-3.57683	-48.9132	7284.955
1278_1279	1278	1279	-431.663	186.2375	-1.20173	3.78315	37.34798	-8553.61
1279_1279	1279	1279	-287.19	112.4141	0.348075	1.589175	-37.863	2741.258
1279_1280	1279	1280	366.2269	-103.832	-0.34808	-1.58918	34.5555	-2023.04
1280_1280	1280	1280	-338.948	103.6445	0.378	1.6065	-31.363	1923.215
1280_1281	1280	1281	382.3675	-98.7572	-0.378	-1.6065	29.3139	-1548.36
1281_1281	1281	1281	-448.201	88.4331	0.902475	-1.0836	-55.1849	1851.091
1281_1282	1281	1282	518.5073	-79.747	-0.90248	1.0836	44.03858	-1093.01
1282_1282	1282	1282	-518.496	79.74698	1.5309	-0.1764	-44.0386	1093.015
1282_1283	1282	1283	580.4978	-71.2136	-1.5309	0.1764	25.44255	-424.489
1283_1283	1283	1283	-580.496	45.64823	-0.48983	-0.02363	-25.4426	424.4924
1283_1284	1283	1284	615.1478	-36.9306	0.489825	0.023625	31.51103	-50.8631
1284_1284	1284	1284	-615.149	36.9306	0.193725	0.02205	-31.511	50.86305
1284_1285	1284	1285	639.272	-29.3706	-0.19373	-0.02205	29.41943	209.2529
1285_1285	1285	1285	-639.28	11.4849	1.0332	-0.0693	-29.4194	-209.245
1285_1286	1285	1286	644.9972	-3.62093	-1.0332	0.0693	17.85735	270.8937
1286_1286	1286	1286	-644.985	3.620925	1.664775	-0.29453	-17.8574	-270.891
1286_1287	1286	1287	644.9609	3.690225	-1.66478	0.294525	0.543375	270.6291
1287_1287	1287	1287	-645.019	-24.0377	-1.94828	-0.07403	-0.54338	-270.635
1287_1288	1287	1288	619.6444	33.24195	1.948275	0.074025	26.05523	-2.97045
1288_1288	1288	1288	-619.66	-33.242	-1.22378	-0.07088	-26.0552	2.972025
1288_1289	1288	1289	591.4314	41.12798	1.223775	0.070875	39.78293	-307.35
1289_1289	1289	1289	-591.392	-57.4623	2.7531	2.29635	-39.7829	307.3077
1289_1290	1289	1290	575.4436	60.27683	-2.7531	-2.29635	28.75478	-479.269
1290_1290	1290	1290	-594.752	-60.3761	3.2004	2.83815	-30.1093	521.2368
1290_1291	1290	1291	554.9938	67.0635	-3.2004	-2.83815	-0.29768	-990.449
1291_1291	1291	1291	253.3451	254.2066	7.095375	-8.09078	4.1391	6263.352
1291_1292	1291	1292	-220.943	-248.281	-7.09538	7.42455	-56.8559	-4740.39
1292_1292	1292	1292	213.4661	221.7537	-1.9089	-2.3814	55.97708	4740.436
1292_1293	1292	1293	-140.238	-211.943	1.9089	2.646	-31.7914	-2567.3
1293_1293	1293	1293	134.7712	212.1431	-1.88055	-0.03938	31.44803	2567.35
1293_1294	1293	1294	-38.6127	-203.774	1.88055	0.206325	-10.4155	-753.905
1294_1294	1294	1294	34.1964	186.2564	-0.7434	-0.51818	10.41075	753.9066

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1294_1295	1294	1295	31.37243	-181.027	0.7434	0.54495	-5.16758	290.2498
1295_1295	1295	1295	-36.518	179.2397	-0.48983	-0.4788	3.51225	-272.257
1295_1296	1295	1296	116.9595	-174.083	0.489825	0.48825	-0.00945	1120.279
1296_1296	1296	1296	-118.898	173.5461	-0.4851	-0.70718	0	-1120.28
1296_1297	1296	1297	214.0409	-167.235	0.4851	0.707175	4.263525	2167.132
1297_1297	1297	1297	-214.132	144.7724	0.0504	1.32615	-4.2651	-2167.13
1297_1298	1297	1298	250.9605	-141.865	-0.0504	-1.32615	4.058775	2572.97
1298_1298	1298	1298	-218.002	143.0258	0.089775	0.9639	-6.25118	-2758.91
1298_1299	1298	1299	281.7455	-136.904	-0.08978	-0.9639	5.49675	3641.027
1299_1299	1299	1299	-281.744	136.9037	0.11025	-2.54363	-5.49675	-3641.02
1299_1300	1299	1300	367.2223	-128.237	-0.11025	2.543625	4.17375	4823.899
1300_1300	1300	1300	-367.222	101.9986	0.067725	3.4335	-4.17375	-4823.9
1300_1301	1300	1301	436.0829	-92.4809	-0.06773	-3.4335	3.277575	5776.821
1301_1301	1301	1301	-436.081	92.48085	0.0945	-3.528	-3.27758	-5776.82
1301_1302	1301	1302	489.9463	-84.2893	-0.0945	3.528	2.20815	6522.22
1302_1302	1302	1302	-489.946	56.13143	0.118125	5.35185	-2.20815	-6522.24
1302_1303	1302	1303	527.0738	-46.3964	-0.11813	-5.35185	0.618975	7036.013
1303_1303	1303	1303	-527.072	46.39635	0.149625	-4.57223	-0.61898	-7036.02
1303_1304	1303	1304	552.2596	-38.4127	-0.14963	4.572225	-1.02533	7384.561
1304_1304	1304	1304	-552.26	9.168075	0.28665	5.630625	1.025325	-7384.61
1304_1305	1304	1305	555.3844	0.278775	-0.28665	-5.63063	-4.77698	7427.84
1305_1305	1305	1305	-555.383	-0.27878	0.313425	-3.2508	4.776975	-7427.86
1305_1306	1305	1306	552.6691	8.54595	-0.31343	3.2508	-8.3601	7390.308
1306_1306	1306	1306	-552.666	-37.3653	0.499275	5.860575	8.3601	-7390.32
1306_1307	1306	1307	526.0847	45.94275	-0.49928	-5.86058	-14.2821	7022.471
1307_1307	1307	1307	-526.082	-45.9428	0.5229	-1.51358	14.2821	-7022.5
1307_1308	1307	1308	491.7434	55.07933	-0.5229	1.513575	-20.8814	6547.329
1308_1308	1308	1308	-491.743	-82.1788	0.212625	5.781825	20.88135	-6547.37
1308_1309	1308	1309	435.0922	90.97358	-0.21263	-5.78183	-23.4628	5763.404
1309_1309	1309	1309	-435.092	-90.9736	0.237825	-0.86153	23.46278	-5763.44
1309_1310	1309	1310	371.7315	99.89753	-0.23783	0.861525	-26.3939	4886.631
1310_1310	1310	1310	-371.736	-124.296	-0.60795	4.887225	26.39385	-4886.67
1310_1311	1310	1311	282.8905	133.5584	0.60795	-4.88723	-18.6118	3657.178
1311_1311	1311	1311	-282.9	-133.558	-0.58275	0.67725	18.61178	-3657.21
1311_1312	1311	1312	187.8865	142.8005	0.58275	-0.67725	-11.1683	2342.395
1312_1312	1312	1312	-187.899	-160.474	-0.62213	4.046175	11.16833	-2342.45
1312_1313	1312	1313	26.64585	173.4548	0.622125	-4.04618	0	110.9729
1400_1020	1400	1020	790.0688	-95.7931	-37.5071	-0.63945	139.9435	-1701.16
1400_1401	1400	1401	-790.069	95.79308	37.50705	0.63945	13.51823	1275.852
1401_1401	1401	1401	789.4231	-94.4291	-0.90405	-0.76545	-17.2982	-1275.81
1401_1402	1401	1402	-789.423	94.42913	0.90405	0.76545	20.45295	946.301
1402_1402	1402	1402	791.4737	-75.3307	-0.26303	0.518175	-20.234	-946.306
1402_1403	1402	1403	-791.474	75.33068	0.263025	-0.51818	23.10053	123.8312
1403_1403	1403	1403	804.4013	-50.9434	2.096325	-0.02835	-26.8648	-123.83
1403_1404	1403	1404	-804.401	50.94338	-2.09633	0.02835	11.74635	-243.481
1404_1404	1404	1404	805.37	-32.2103	1.620675	0.3906	-11.6928	243.4824
1404_1405	1404	1405	-805.37	32.21033	-1.62068	-0.3906	-0.00315	-475.83
1405_1405	1405	1405	808.3278	-3.92333	0.75285	0.045675	-4.32495	475.8264
1405_1406	1405	1406	-808.328	3.923325	-0.75285	-0.04568	-6.53153	-532.359
1406_1406	1406	1406	806.4977	24.53063	-0.81585	-0.13073	2.30895	532.3532
1406_1407	1406	1407	-806.498	-24.5306	0.81585	0.130725	4.9266	-314.954
1407_1407	1407	1407	805.8062	41.43038	-1.25055	0.1386	-4.85258	314.9543
1407_1408	1407	1408	-805.806	-41.4304	1.25055	-0.1386	11.80463	-84.7098
1408_1408	1408	1408	793.7575	-127.534	3.39255	0.389025	-12.5937	84.71138
1408_1409	1408	1409	-793.757	127.5341	-3.39255	-0.38903	2.34675	-469.915
1409_1409	1409	1409	792.6014	122.3901	3.3453	-0.189	-2.39243	469.8745
1409_1410	1409	1410	-792.601	-122.39	-3.3453	0.189	-7.7112	-100.203
1410_1410	1410	1410	793.0818	-45.6404	0.3969	-0.31343	6.852825	100.2015
1410_1411	1410	1411	-793.082	45.64035	-0.3969	0.313425	-9.05783	-353.846

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1411_1411	1411	1411	793.8599	-29.084	-0.98438	0.102375	8.78535	353.8521
1411_1412	1411	1412	-793.86	29.08395	0.984375	-0.10238	-0.06773	-611.544
1412_1412	1412	1412	786.0809	-0.86468	-0.16538	-0.14333	3.425625	611.5457
1412_1413	1412	1413	-786.081	0.864675	0.165375	0.143325	-1.03635	-624.006
1413_1413	1413	1413	774.6165	26.66003	-1.42065	-0.17483	3.813075	624.0087
1413_1414	1413	1414	-774.617	-26.66	1.42065	0.174825	6.430725	-431.83
1414_1414	1414	1414	773.7849	44.69063	-0.92295	-0.3087	-6.34095	431.8319
1414_1415	1414	1415	-773.785	-44.6906	0.92295	0.3087	12.99375	-109.836
1415_1415	1415	1415	757.7735	68.52668	2.083725	1.45215	-10.2879	109.8185
1415_1416	1415	1416	-757.773	-68.5267	-2.08373	-1.45215	-12.4866	638.9019
1416_1416	1416	1416	755.9417	86.26275	-5.63693	-5.57235	14.31833	-638.84
1416_1417	1416	1417	-755.942	-86.2628	5.636925	5.57235	5.3109	939.2576
1417_1417	1417	1417	756.7576	88.34805	27.0585	0.127575	-2.37195	-939.368
1417_1036	1417	1036	-756.758	-88.3481	-27.0585	-0.12758	-108.595	1314.688
1420_1056	1420	1056	650.6404	-87.874	-34.031	-0.58748	139.0095	-1659.64
1420_1421	1420	1421	-650.64	87.87398	34.03103	0.587475	0.291375	1283.513
1421_1421	1421	1421	650.5018	-86.3305	-0.36383	0.49455	-2.94053	-1283.51
1421_1422	1421	1422	-650.502	86.33048	0.363825	-0.49455	4.206825	982.6189
1422_1422	1422	1422	652.3666	-70.8687	-0.64418	0.155925	-4.3218	-982.617
1422_1423	1422	1423	-652.367	70.8687	0.644175	-0.15593	11.36363	208.5599
1423_1423	1423	1423	665.2895	-50.4189	1.54665	0.092925	-14.7215	-208.543
1423_1424	1423	1424	-665.289	50.4189	-1.54665	-0.09293	3.586275	-154.545
1424_1424	1424	1424	666.2691	-35.2202	0.874125	0.3339	-3.52643	154.5453
1424_1425	1424	1425	-666.269	35.22015	-0.87413	-0.3339	-2.7846	-408.637
1425_1425	1425	1425	671.8997	-11.6991	0.445725	0.1071	-1.04738	408.6558
1425_1426	1425	1426	-671.9	11.6991	-0.44573	-0.1071	-5.36918	-577.296
1426_1426	1426	1426	673.911	12.26138	-0.33705	-0.2898	1.55925	577.3178
1426_1427	1426	1427	-673.911	-12.2614	0.33705	0.2898	1.422225	-468.689
1427_1427	1427	1427	673.5062	26.33558	-1.65848	0.6426	-1.01273	468.6901
1427_1428	1427	1428	-673.506	-26.3356	1.658475	-0.6426	10.22333	-322.358
1428_1428	1428	1428	664.9272	-115.188	1.069425	-0.41738	-10.6911	322.3379
1428_1429	1428	1429	-664.927	115.1876	-1.06943	0.417375	7.46235	-670.035
1429_1429	1429	1429	665.0879	116.528	0.5355	0.52605	-7.48598	670.5295
1429_1430	1429	1430	-665.088	-116.528	-0.5355	-0.52605	5.86215	-317.648
1430_1430	1430	1430	672.1643	-25.3969	0.949725	-0.37328	-6.1047	317.646
1430_1431	1430	1431	-672.164	25.39688	-0.94973	0.373275	0.830025	-458.761
1431_1431	1431	1431	672.5471	-11.4046	-0.02363	0.3024	-1.12298	458.7597
1431_1432	1431	1432	-672.547	11.40458	0.023625	-0.3024	1.3293	-559.779
1432_1432	1432	1432	668.367	12.52283	-0.25673	-0.02363	2.64915	559.8007
1432_1433	1432	1433	-668.367	-12.5228	0.256725	0.023625	1.059975	-379.334
1433_1433	1433	1433	660.8763	36.0108	-0.30555	-0.2394	2.584575	379.3577
1433_1434	1433	1434	-660.876	-36.0108	0.30555	0.2394	-0.38115	-119.642
1434_1434	1434	1434	659.8604	51.34185	-1.45215	-0.03465	0.30555	119.6433
1434_1435	1434	1435	-659.86	-51.3419	1.45215	0.03465	10.1619	250.4045
1435_1435	1435	1435	644.9168	71.54753	-0.9828	0.143325	-6.79928	-250.39
1435_1436	1435	1436	-644.917	-71.5475	0.9828	-0.14333	17.5455	1032.142
1436_1436	1436	1436	643.0583	86.65493	-2.0727	-1.25843	-17.051	-1032.15
1436_1437	1436	1437	-643.058	-86.6549	2.0727	1.258425	24.27233	1333.975
1437_1437	1437	1437	643.8159	88.26615	29.61473	0.3843	-22.9556	-1333.93
1437_1072	1437	1072	-643.816	-88.2662	-29.6147	-0.3843	-98.195	1711.978
1440_1094	1440	1094	733.5295	-83.7254	-30.7598	-0.51503	112.1085	-1277.7
1440_1441	1440	1441	-733.529	83.72543	30.75975	0.515025	13.88835	934.7389
1441_1441	1441	1441	733.1499	-81.8732	0.9009	-0.04095	-17.1029	-934.731
1441_1442	1441	1442	-733.15	81.87323	-0.9009	0.04095	13.95765	649.0528
1442_1442	1442	1442	734.9013	-64.2647	0.908775	0.300825	-13.9529	-649.053
1442_1443	1442	1443	-734.901	64.26473	-0.90878	-0.30083	4.02255	-52.9814
1443_1443	1443	1443	749.8418	-40.9658	0.79065	0.177975	-8.16795	52.99875
1443_1444	1443	1444	-749.842	40.96575	-0.79065	-0.17798	2.477475	-347.933
1444_1444	1444	1444	750.582	-23.855	0.893025	0.18585	-2.49008	347.9333

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1444_1445	1444	1445	-750.582	23.85495	-0.89303	-0.18585	-3.94853	-520.002
1445_1445	1445	1445	757.8932	2.60505	0.32445	0.061425	-0.51975	520.0209
1445_1446	1445	1446	-757.893	-2.60505	-0.32445	-0.06143	-4.14698	-482.451
1446_1446	1446	1446	762.0275	29.97068	0.943425	-0.07245	-0.56228	482.4698
1446_1447	1446	1447	-762.028	-29.9707	-0.94343	0.07245	-7.7931	-217.043
1447_1447	1447	1447	761.2511	45.6435	-0.20475	0.086625	7.93485	217.0382
1447_1448	1447	1448	-761.251	-45.6435	0.20475	-0.08663	-6.79455	36.67073
1448_1448	1448	1448	759.2744	-115.057	-4.44938	2.027025	7.193025	-36.6833
1448_1449	1448	1449	-759.274	115.0569	4.449375	-2.02703	6.213375	-310.073
1449_1449	1449	1449	759.0287	114.9435	4.90455	-2.03018	-6.21338	310.19
1449_1450	1449	1450	-759.029	-114.944	-4.90455	2.030175	-8.61998	37.4661
1450_1450	1450	1450	760.3549	-46.1948	-0.69458	0.089775	8.182125	-37.4582
1450_1451	1450	1451	-760.355	46.19475	0.694575	-0.08978	-4.32338	-219.372
1451_1451	1451	1451	761.144	-30.5503	-0.45518	-0.06773	4.3533	219.3707
1451_1452	1451	1452	-761.144	30.55028	0.455175	0.067725	-0.31973	-489.989
1452_1452	1452	1452	756.2426	-3.38153	-0.4095	-0.0756	4.770675	489.992
1452_1453	1452	1453	-756.243	3.381525	0.4095	0.0756	1.14345	-538.727
1453_1453	1453	1453	748.125	23.2659	-0.68355	-0.2331	3.261825	538.7319
1453_1454	1453	1454	-748.125	-23.2659	0.68355	0.2331	1.667925	-370.892
1454_1454	1454	1454	747.4352	39.67268	-0.7434	-0.16695	-1.6821	370.892
1454_1455	1454	1455	-747.435	-39.6727	0.7434	0.16695	7.02135	-85.995
1455_1455	1455	1455	733.2932	63.94028	-0.2331	-0.14805	-2.88698	85.99815
1455_1456	1455	1456	-733.293	-63.9403	0.2331	0.14805	5.43375	613.7366
1456_1456	1456	1456	731.5907	81.12983	-0.85838	-0.56228	-5.292	-613.738
1456_1457	1456	1457	-731.591	-81.1298	0.858375	0.562275	8.286075	896.8223
1457_1457	1457	1457	732.3199	83.06078	28.64138	0.4851	-5.17073	-896.819
1457_1110	1457	1110	-732.32	83.0608	-28.6414	-0.4851	-112.149	1249.423
1460_1132	1460	1132	661.2701	-91.5296	-32.6828	-0.5418	148.2075	-1763.79
1460_1461	1460	1461	-661.27	91.52955	32.68283	0.5418	-14.3829	1337.624
1461_1461	1461	1461	660.8369	-89.6411	-2.88855	-0.39375	11.62665	-1337.62
1461_1462	1461	1462	-660.837	89.64113	2.88855	0.39375	-1.5498	1024.942
1462_1462	1462	1462	662.7994	-73.7604	-2.30108	0.50715	1.8144	-1024.94
1462_1463	1462	1463	-662.799	73.7604	2.301075	-0.50715	23.3226	219.4495
1463_1463	1463	1463	681.0111	-52.0065	1.167075	0.244125	-25.7418	-219.602
1463_1464	1463	1464	-681.011	52.0065	-1.16708	-0.24413	17.32343	-155.254
1464_1464	1464	1464	682.0286	-36.1793	3.104325	0.196875	-17.4715	155.2383
1464_1465	1464	1465	-682.029	36.17933	-3.10433	-0.19688	-4.9203	-416.18
1465_1465	1465	1465	686.5299	-11.4928	0.3717	0.0567	-0.0819	416.1434
1465_1466	1465	1466	-686.53	11.49278	-0.3717	-0.0567	-5.2668	-581.777
1466_1466	1466	1466	685.4117	13.64265	-0.88043	0.24255	0.631575	581.7373
1466_1467	1466	1467	-685.412	-13.6427	0.880425	-0.24255	7.164675	-460.921
1467_1467	1467	1467	684.9864	27.72315	0.436275	-0.4788	-7.55685	460.9143
1467_1468	1467	1468	-684.986	-27.7232	-0.43628	0.4788	5.13135	-306.818
1468_1468	1468	1468	673.4322	-114.769	2.0223	-2.4885	-5.0211	306.7927
1468_1469	1468	1469	-673.432	114.7687	-2.0223	2.4885	-1.09148	-653.797
1469_1469	1469	1469	668.3276	113.263	-0.1701	2.45385	-10.8187	639.05
1469_1470	1469	1470	-668.328	-113.263	0.1701	-2.45385	11.33055	-296.598
1470_1470	1470	1470	677.6138	-28.1878	0.395325	0.105525	-11.3006	296.5898
1470_1471	1470	1471	-677.614	28.18778	-0.39533	-0.10553	9.10665	-453.268
1471_1471	1471	1471	678.0501	-14.2427	1.10565	-0.17798	-8.89875	453.2724
1471_1472	1471	1472	-678.05	14.24273	-1.10565	0.177975	-0.89618	-579.405
1472_1472	1472	1472	676.0199	10.63283	-0.50085	-0.16695	5.32665	579.3748
1472_1473	1472	1473	-676.02	-10.6328	0.50085	0.16695	1.8963	-426.055
1473_1473	1473	1473	669.5687	34.49093	-0.86783	-0.31815	2.3625	426.0139
1473_1474	1473	1474	-669.569	-34.4909	0.867825	0.31815	3.891825	-177.249
1474_1474	1474	1474	668.608	49.75425	-0.94185	-0.20948	-3.90443	177.2489
1474_1475	1474	1475	-668.608	-49.7543	0.94185	0.209475	10.68323	180.9171
1475_1475	1475	1475	655.2709	70.6104	0.6741	-0.4032	-7.04498	-180.95
1475_1476	1475	1476	-655.271	-70.6104	-0.6741	0.4032	-0.31185	952.182

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1476_1476	1476	1476	653.3872	86.31158	1.119825	0.263025	0.121275	-952.182
1476_1477	1476	1477	-653.387	-86.3116	-1.11983	-0.26303	-4.02885	1253.305
1477_1477	1477	1477	653.3179	88.02833	29.24145	0.72135	7.2639	-1253.3
1477_1148	1477	1148	-653.318	-88.0283	-29.2415	-0.72135	-127.022	1613.819
1480_1168	1480	1168	621.2225	-90.6822	-28.4036	-0.53865	117.4667	-1826.5
1480_1481	1480	1481	-621.223	90.6822	28.40355	0.53865	-1.13715	1455.098
1481_1481	1481	1481	620.2996	-89.6616	-1.6443	-2.55308	-3.06495	-1455
1481_1482	1481	1482	-620.3	89.6616	1.6443	2.553075	8.799525	1142.207
1482_1482	1482	1482	622.2731	-74.7653	0.19215	1.1529	-7.83563	-1142.22
1482_1483	1482	1483	-622.273	74.76525	-0.19215	-1.1529	5.73615	325.5919
1483_1483	1483	1483	633.8162	-55.2951	0.669375	0.263025	-9.135	-325.623
1483_1484	1483	1484	-633.816	55.2951	-0.66938	-0.26303	4.313925	-72.9603
1484_1484	1484	1484	634.9298	-40.55	0.757575	0.3528	-4.3092	72.9603
1484_1485	1484	1485	-634.93	40.54995	-0.75758	-0.3528	-1.14975	-365.428
1485_1485	1485	1485	638.242	-17.8574	0.625275	0.17325	-2.93265	365.4016
1485_1486	1485	1486	-638.242	17.85735	-0.62528	-0.17325	-6.07635	-622.741
1486_1486	1486	1486	636.8465	5.52195	-1.71045	0.34335	2.17665	622.7078
1486_1487	1486	1487	-636.847	-5.52195	1.71045	-0.34335	12.97643	-573.81
1487_1487	1487	1487	636.6008	18.60548	-0.49298	-0.47408	-13.4631	573.7977
1487_1488	1487	1488	-636.601	-18.6055	0.492975	0.474075	16.20675	-470.378
1488_1488	1488	1488	621.9675	-113.052	2.0979	-4.5297	-16.1816	470.3596
1488_1489	1488	1489	-621.968	113.0519	-2.0979	4.5297	9.8406	-812.172
1489_1489	1489	1489	622.8936	113.7087	-2.11208	4.4982	-10.9305	814.5806
1489_1490	1489	1490	-622.894	-113.709	2.112075	-4.4982	17.31713	-470.779
1490_1490	1490	1490	637.5679	-18.092	0.996975	0.121275	-17.1565	470.7518
1490_1491	1490	1491	-637.568	18.09203	-0.99698	-0.12128	11.62035	-571.312
1491_1491	1491	1491	637.8041	-4.97228	1.661625	-0.2331	-11.3573	571.3187
1491_1492	1491	1492	-637.804	4.972275	-1.66163	0.2331	-3.3579	-615.356
1492_1492	1492	1492	639.2563	18.39758	-0.69458	-0.23625	7.221375	615.3131
1492_1493	1492	1493	-639.256	-18.3976	0.694575	0.23625	2.7846	-350.184
1493_1493	1493	1493	635.396	41.11065	-0.9261	-0.41895	1.1592	350.1509
1493_1494	1493	1494	-635.396	-41.1107	0.9261	0.41895	5.514075	-53.6445
1494_1494	1494	1494	634.2683	55.86525	-1.01273	-0.28193	-5.5251	53.6445
1494_1495	1494	1495	-634.268	-55.8653	1.012725	0.281925	12.82838	349.0515
1495_1495	1495	1495	622.5597	75.2976	0.946575	-0.21735	-9.7776	-349.085
1495_1496	1495	1496	-622.56	-75.2976	-0.94658	0.21735	-0.567	1171.524
1496_1496	1496	1496	620.5736	90.20813	0.820575	-0.48038	0.628425	-1171.52
1496_1497	1496	1497	-620.574	-90.2081	-0.82058	0.480375	-3.48863	1486.242
1497_1497	1497	1497	620.2586	91.68548	31.63545	0.84105	6.225975	-1486.22
1497_1184	1497	1184	-620.259	-91.6855	-31.6355	-0.84105	-135.792	1898.955
1500_1204	1500	1204	700.5616	-94.93	-38.2977	-1.30253	163.5732	-1790.86
1500_1501	1500	1501	-700.562	94.92998	38.2977	1.302525	-6.7284	1384.337
1501_1501	1501	1501	699.5583	-93.4605	-0.97493	0.984375	5.5881	-1384.3
1501_1502	1501	1502	-699.558	93.4605	0.974925	-0.98438	-2.18453	1058.236
1502_1502	1502	1502	701.6184	-76.4694	-1.44113	0.206325	1.995525	-1058.24
1502_1503	1502	1503	-701.618	76.4694	1.441125	-0.20633	13.72928	223.7382
1503_1503	1503	1503	719.6285	-54.7313	0.965475	0.31815	-15.6382	-223.762
1503_1504	1503	1504	-719.629	54.73125	-0.96548	-0.31815	8.67825	-170.763
1504_1504	1504	1504	720.7058	-37.9937	1.066275	0.49455	-8.67668	170.7615
1504_1505	1504	1505	-720.706	37.99373	-1.06628	-0.49455	0.990675	-444.788
1505_1505	1505	1505	731.7545	-12.5606	0.326025	0.2205	-3.61935	444.7627
1505_1506	1505	1506	-731.754	12.56063	-0.32603	-0.2205	-1.0899	-625.894
1506_1506	1506	1506	737.9537	13.8537	1.198575	-0.07875	-1.75455	625.8593
1506_1507	1506	1507	-737.954	-13.8537	-1.19858	0.07875	-8.8578	-503.17
1507_1507	1507	1507	737.5127	29.03198	0.42525	0.2583	9.092475	503.1653
1507_1508	1507	1508	-737.513	-29.032	-0.42525	-0.2583	-11.455	-341.799
1508_1508	1508	1508	732.6302	-126.824	-1.8963	2.0601	11.79675	341.7955
1508_1509	1508	1509	-732.63	126.8237	1.8963	-2.0601	-6.06218	-725.251
1509_1509	1509	1509	732.6585	126.0788	-1.16708	-2.25225	6.10785	725.1048

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1509_1510	1509	1510	-732.659	-126.079	1.167075	2.25225	-2.59088	-345.133
1510_1510	1510	1510	741.2281	-29.4383	0.609525	-0.61898	3.019275	345.1676
1510_1511	1510	1511	-741.228	29.43833	-0.60953	0.618975	-6.4071	-508.802
1511_1511	1511	1511	741.677	-14.2034	-0.81428	0.218925	5.970825	508.8085
1511_1512	1511	1512	-741.677	14.20335	0.814275	-0.21893	1.245825	-634.588
1512_1512	1512	1512	738.6876	12.2913	-0.20318	-0.25043	2.08845	634.5612
1512_1513	1512	1513	-738.688	-12.2913	0.203175	0.250425	0.833175	-457.32
1513_1513	1513	1513	731.4899	37.87245	-1.22693	-0.47723	1.964025	457.2824
1513_1514	1513	1514	-731.49	-37.8725	1.226925	0.477225	6.887475	-184.125
1514_1514	1514	1514	730.4126	54.86198	-1.3293	-0.2898	-6.9048	184.1238
1514_1515	1514	1515	-730.413	-54.862	1.3293	0.2898	16.48395	211.3382
1515_1515	1515	1515	716.8392	76.84898	1.6758	-0.43628	-14.186	-211.374
1515_1516	1515	1516	-716.839	-76.849	-1.6758	0.436275	-4.10603	1050.021
1516_1516	1516	1516	714.7634	94.2102	2.15145	0.189	3.8997	-1050.02
1516_1517	1516	1517	-714.763	-94.2102	-2.15145	-0.189	-11.4077	1378.703
1517_1517	1517	1517	714.0011	95.91278	36.9306	1.512	13.4757	-1378.66
1517_1220	1517	1220	-714.001	-95.9128	-36.9306	-1.512	-164.725	1771.475
1520_1241	1520	1241	616.7653	-92.936	-8.86095	-2.18453	-13.6726	-2008.82
1520_1521	1520	1521	-616.765	92.93603	8.86095	2.184525	50.00625	1627.769
1521_1521	1521	1521	613.6956	-92.41	5.82435	3.8997	-49.5621	-1627.33
1521_1522	1521	1522	-613.696	92.40998	-5.82435	-3.8997	29.27768	1305.503
1522_1522	1522	1522	615.7305	-77.8444	3.61305	-0.27878	-30.6038	-1305.48
1522_1523	1522	1523	-615.731	77.84438	-3.61305	0.278775	-8.8326	455.7294
1523_1523	1523	1523	625.2057	-59.8626	0.741825	0.8001	6.7599	-455.284
1523_1524	1523	1524	-625.206	59.8626	-0.74183	-0.8001	-12.1102	23.79668
1524_1524	1524	1524	626.4279	-45.3348	-0.34335	0.47565	12.11018	-23.8046
1524_1525	1524	1525	-626.428	45.3348	0.34335	-0.47565	-9.6327	-303.186
1525_1525	1525	1525	630.0221	-24.2015	-0.5607	0.32445	8.25615	302.8709
1525_1526	1525	1526	-630.022	24.20145	0.5607	-0.32445	-0.17483	-651.7
1526_1526	1526	1526	632.309	-2.32785	0.38115	-0.47093	-0.65678	650.9286
1526_1527	1526	1527	-632.309	2.32785	-0.38115	0.470925	-2.72633	-671.55
1527_1527	1527	1527	632.2208	10.81553	-0.83318	0.75285	3.30435	671.5469
1527_1528	1527	1528	-632.221	-10.8155	0.833175	-0.75285	1.330875	-611.431
1528_1528	1528	1528	623.1614	-122.045	-1.96875	0.203175	-0.15593	610.8779
1528_1529	1528	1529	-623.161	122.0452	1.96875	-0.20318	6.099975	-979.515
1529_1529	1529	1529	622.5928	119.678	-0.48983	-0.87728	-5.95035	978.9633
1529_1530	1529	1530	-622.593	-119.678	0.489825	0.877275	7.429275	-617.558
1530_1530	1530	1530	633.9863	-12.4583	2.395575	-0.8757	-7.87028	617.4662
1530_1531	1530	1531	-633.986	12.45825	-2.39558	0.8757	-5.44793	-686.738
1531_1531	1531	1531	634.1108	0.486675	1.579725	-0.10238	5.044725	686.741
1531_1532	1531	1532	-634.111	-0.48668	-1.57973	0.102375	-19.0307	-682.43
1532_1532	1532	1532	633.065	23.38718	-0.21105	-0.63945	19.75838	681.901
1532_1533	1532	1533	-633.065	-23.3872	0.21105	0.63945	-16.7202	-344.73
1533_1533	1533	1533	630.8064	45.70493	0.14805	-0.504	17.93925	344.5439
1533_1534	1533	1534	-630.806	-45.7049	-0.14805	0.504	-19.0024	-14.8979
1534_1534	1534	1534	629.5716	60.36975	-0.36068	-0.93398	18.9819	14.90423
1534_1535	1534	1535	-629.572	-60.3698	0.360675	0.933975	-16.3863	420.2982
1535_1535	1535	1535	630.4079	79.6446	6.17715	0.622125	18.75353	-419.663
1535_1536	1535	1536	-630.408	-79.6446	-6.17715	-0.62213	-86.1903	1289.182
1536_1536	1536	1536	628.3006	94.90635	5.010075	-3.96428	86.8455	-1289.13
1536_1537	1536	1537	-628.301	-94.9064	-5.01008	3.964275	-104.331	1620.406
1537_1537	1537	1537	628.9085	95.3631	2.348325	-0.1449	107.0606	-1619.71
1537_1255	1537	1255	-628.909	-95.3631	-2.34833	0.1449	-116.667	2029.802
1540_1279	1540	1279	877.1506	-98.6312	6.651225	12.45353	12.1023	-1340.19
1540_1541	1540	1541	-877.151	98.63123	-6.65123	-12.4535	-39.3388	936.284
1541_1541	1541	1541	879.6706	-95.0686	0.0693	2.772	37.67243	-940.173
1541_1542	1541	1542	-879.671	95.06858	-0.0693	-2.772	-37.9134	608.2414
1542_1542	1542	1542	881.7165	-73.6817	-1.7388	0.571725	37.59525	-608.268
1542_1543	1542	1543	-881.717	73.68165	1.7388	-0.57173	-18.6149	-196.28

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1543_1543	1543	1543	884.468	-47.0909	0.663075	-0.55913	16.82888	195.6969
1543_1544	1543	1544	-884.468	47.09093	-0.66308	0.559125	-21.6074	-535.176
1544_1544	1544	1544	885.3264	-26.2868	-2.92793	1.126125	22.36185	535.1441
1544_1545	1544	1545	-885.326	26.28675	2.927925	-1.12613	-1.26315	-724.612
1545_1545	1545	1545	885.7863	3.932775	0.058275	-0.12758	0.47565	723.2936
1545_1546	1545	1546	-885.786	-3.93278	-0.05828	0.127575	-1.3041	-666.619
1546_1546	1546	1546	886.8872	34.90043	2.893275	-0.3087	0.754425	665.7714
1546_1547	1546	1547	-886.887	-34.9004	-2.89328	0.3087	-26.3718	-356.706
1547_1547	1547	1547	886.01	52.71998	1.523025	-0.30083	26.60648	356.6887
1547_1548	1547	1548	-886.01	-52.72	-1.52303	0.300825	-35.0816	-63.3544
1548_1548	1548	1548	884.6996	-133.716	-3.42563	4.24935	35.63595	62.22983
1548_1549	1548	1549	-884.7	133.7159	3.425625	-4.24935	-25.2945	-465.953
1549_1549	1549	1549	889.4545	138.1417	-3.79575	-4.89983	25.54965	468.8618
1549_1550	1549	1550	-889.454	-138.142	3.79575	4.899825	-14.2538	-57.7805
1550_1550	1550	1550	897.7736	-55.9913	2.197125	-0.59378	14.79555	58.25453
1550_1551	1550	1551	-897.774	55.99125	-2.19713	0.593775	-27.2286	-375.141
1551_1551	1551	1551	898.8289	-35.2485	0.981225	-0.7245	26.98133	375.1587
1551_1552	1551	1552	-898.829	35.2485	-0.98123	0.7245	-35.2469	-672.06
1552_1552	1552	1552	899.4683	1.009575	-0.1827	-1.23008	35.76353	671.4241
1552_1553	1552	1553	-899.468	-1.00958	0.1827	1.230075	-33.1853	-657.214
1553_1553	1553	1553	897.3941	35.30363	-2.5641	-1.48838	33.58058	656.4962
1553_1554	1553	1554	-897.394	-35.3036	2.5641	1.488375	-15.5216	-407.793
1554_1554	1554	1554	896.186	58.36005	-3.61148	-1.40018	15.31688	407.8006
1554_1555	1554	1555	-896.186	-58.3601	3.611475	1.400175	10.13355	3.551625
1555_1555	1555	1555	888.8733	89.73563	-4.3974	-0.62843	-8.69873	-3.5721
1555_1556	1555	1556	-888.873	-89.7356	4.3974	0.628425	55.51088	958.923
1556_1556	1556	1556	886.0194	114.4395	-6.39608	-1.323	-54.9203	-958.958
1556_1557	1556	1557	-886.019	-114.44	6.396075	1.323	76.8222	1350.887
1557_1557	1557	1557	877.0167	122.1444	15.17198	4.7754	-75.3354	-1348.88
1557_1291	1557	1291	-877.017	-122.144	-15.172	-4.7754	-9.69885	2074.157
41000_1000	41000	1000	0.138863	185.9324	5.511713	-9.88601	0	-3.39623
41000_1001	41000	1001	-0.13886	-162.375	-5.51171	9.886013	-93.734	2964.962
41001_1001	41001	1001	0.128887	162.3752	5.512238	-4.05825	93.73403	-2964.98
41001_1002	41001	1002	-0.12889	-147.341	-5.51224	4.05825	-153.56	4645.69
41002_1002	41002	1002	-0.24124	130.725	-7.30958	-5.83538	153.5599	-4645.47
41002_1003	41002	1003	0.241238	-113.834	7.309575	5.835375	-64.4228	6136.391
41003_1003	41003	1003	-0.23573	113.8339	-7.31141	-0.83344	64.42275	-6136.39
41003_1004	41003	1004	0.235725	-96.9428	7.311413	0.833438	24.72068	7421.488
41004_1004	41004	1004	-0.01785	89.88158	1.420125	-7.1337	-24.7207	-7420.91
41004_1005	41004	1005	0.01785	-72.9847	-1.42013	7.1337	7.409325	8414.166
41005_1005	41005	1005	-0.01916	72.98471	1.418288	-0.27878	-7.40933	-8414.17
41005_1006	41005	1006	0.019163	-56.0892	-1.41829	0.278775	-9.9057	9201.412
41006_1006	41006	1006	-0.0336	44.7867	0.702713	-6.08685	9.9057	-9200.9
41006_1007	41006	1007	0.0336	-27.8998	-0.70271	6.08685	-18.4627	9643.99
41007_1007	41007	1007	-0.0336	27.89981	0.702188	1.770563	18.46268	-9643.99
41007_1008	41007	1008	0.0336	-11.01	-0.70219	-1.77056	-27.0207	9881.193
41008_1008	41008	1008	-0.0441	-0.3843	-0.0378	-4.10261	27.0207	-9880.85
41008_1009	41008	1009	0.0441	17.26673	0.0378	4.102613	-26.5527	9773.291
41009_1009	41009	1009	-0.04253	-17.2667	-0.03675	2.901675	26.55266	-9773.29
41009_1010	41009	1010	0.042525	34.16228	0.03675	-2.90168	-26.0859	9459.632
41010_1010	41010	1010	-0.0441	-45.5871	-0.21525	-6.87488	26.08594	-9459.47
41010_1011	41010	1011	0.0441	62.47238	0.21525	6.874875	-23.4759	8800.834
41011_1011	41011	1011	-0.0441	-62.4724	-0.21473	8.34435	23.4759	-8800.83
41011_1012	41011	1012	0.0441	79.34771	0.214725	-8.34435	-20.8667	7936.952
41012_1012	41012	1012	-0.04541	-92.2236	-1.19726	4.617113	20.86665	-7936.93
41012_1013	41012	1013	0.045412	109.1147	1.197263	-4.61711	-6.25013	6709.392
41013_1013	41013	1013	-0.04699	-109.115	-1.19963	-0.84446	6.250125	-6709.4
41013_1014	41013	1014	0.046988	126.0045	1.199625	0.844463	8.3643	5276.042
41014_1014	41014	1014	-0.04226	-136.878	3.0408	0.384825	-8.3643	-5276.05

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41014_1015	41014	1015	0.042263	160.0578	-3.0408	-0.38483	-42.5082	2791.652
41015_1015	41015	1015	1.390725	-160.052	3.040013	-5.42273	42.46253	-2791.67
41015_1016	41015	1016	-1.50413	171.4792	-3.04001	5.422725	-67.5441	1424.121
41016_1016	41016	1016	5.075175	-188.158	1.547438	1.115625	80.50875	-272.784
41016_1017	41016	1017	-5.5419	204.3156	-1.54744	-1.11563	-98.6948	-2154.5
41017_1017	41017	1017	10.59975	-204.115	1.548225	1.882388	98.85461	2154.472
41017_1018	41017	1018	-11.6059	222.3464	-1.54823	-1.88239	-119.389	-5007.79
41018_1018	41018	1018	17.97416	-230.75	-4.62866	-2.43731	119.3002	5007.732
41018_1019	41018	1019	-19.3806	247.941	4.628663	2.437313	-61.2974	-8018.58
41019_1019	41019	1019	25.88513	-247.347	-4.62788	9.10455	62.56556	8018.562
41019_1020	41019	1020	-27.7578	264.548	4.627875	-9.10455	-4.38218	-11300
41020_1020	41020	1020	-948.052	86.23886	0.151462	-5.00981	-9.25785	2409.634
41020_1021	41020	1021	948.0521	-73.1648	-0.15146	5.009813	7.82565	-1605
41021_1021	41021	1021	-948.051	73.16479	1.255013	-3.44164	-7.82565	1375.895
41021_1022	41021	1022	948.0505	-62.5026	-1.25501	3.441638	-1.90102	-850.174
41022_1022	41022	1022	-948.05	62.50256	2.471438	-2.35148	1.901025	850.1787
41022_1023	41022	1023	948.0503	-51.8419	-2.47144	2.351475	-21.0462	-407.15
41023_1023	41023	1023	-948.032	44.44755	-2.68354	-1.69759	21.0462	407.153
41023_1024	41023	1024	948.0319	-33.4415	2.683538	1.697588	0.42945	-95.6057
41024_1024	41024	1024	-948.032	33.44145	-2.68354	-1.69759	-0.42945	95.60565
41024_1025	41024	1025	948.0319	-22.4354	2.683538	1.697588	21.90353	127.8987
41025_1025	41025	1025	-948.033	17.65785	-1.50623	-1.85588	-21.9035	-127.894
41025_1026	41025	1026	948.0335	-6.65464	1.506225	1.855875	33.95438	225.1313
41026_1026	41026	1026	-948.032	-2.61581	-2.07296	-1.01614	-33.9544	-225.131
41026_1027	41026	1027	948.0319	10.86619	2.072963	1.016138	46.38638	184.7079
41027_1027	41027	1027	-948.035	-10.8662	-0.32944	-1.35555	-46.3864	-184.706
41027_1028	41027	1028	948.035	19.12785	0.329438	1.35555	48.37219	94.64595
41028_1028	41028	1028	-948.035	-19.1279	-0.50138	-1.33954	-48.3722	-94.646
41028_1029	41028	1029	948.035	27.37534	0.501375	1.339538	51.37939	-44.7568
41029_1029	41029	1029	-948.035	-27.3753	-0.32944	-1.33088	-51.3794	44.75677
41029_1030	41029	1030	948.035	35.63858	0.329438	1.330875	53.36363	-233.965
41030_1030	41030	1030	-948.033	-44.9744	1.314863	-1.02349	-53.3636	233.9676
41030_1031	41030	1031	948.0335	55.97471	-1.31486	1.023488	42.84866	-637.517
41031_1031	41031	1031	-948.033	-55.9747	1.44165	-0.93949	-42.8487	637.5175
41031_1032	41031	1032	948.0335	66.98528	-1.44165	0.939488	31.31179	-1129.68
41032_1032	41032	1032	-948.033	-66.9853	1.314863	-1.09069	-31.3118	1129.682
41032_1033	41032	1033	948.0335	77.9856	-1.31486	1.090688	20.79683	-1709.23
41033_1033	41033	1033	-948.073	-85.176	-7.40565	-11.0728	-20.7968	1709.285
41033_1034	41033	1034	948.0731	95.84243	7.40565	11.07278	78.20978	-2410.95
41034_1034	41034	1034	-948.082	-95.8424	-6.18896	-7.97974	-78.2098	2410.96
41034_1035	41034	1035	948.0818	106.5047	6.188963	7.979738	126.1838	-3195.19
41035_1035	41035	1035	-948.097	-106.505	2.900625	23.37248	-126.184	3430.598
41035_1036	41035	1036	948.097	119.5772	-2.90063	-23.3725	98.62493	-4549.74
41036_1036	41036	1036	14.2653	229.1822	5.0778	-8.58296	-56.0075	13648.85
41036_1037	41036	1037	-12.3926	-211.984	-5.0778	8.582963	-7.81148	-10956.4
41037_1037	41037	1037	6.806625	212.2344	5.0862	-0.25279	6.929738	10956.43
41037_1038	41037	1038	-5.40015	-195.039	-5.0862	0.252787	-70.6881	-8352.44
41038_1038	41038	1038	-0.12521	186.7611	-2.74365	-5.21903	70.81988	8352.848
41038_1039	41038	1039	1.131375	-168.544	2.74365	5.219025	-34.4502	-6008.76
41039_1039	41039	1039	23.24201	259.8837	-5.86268	15.87443	3.624863	21660.81
41039_1040	41039	1040	-22.7769	-243.787	5.862675	-15.8744	65.32864	-18972.2
41040_1040	41040	1040	18.70916	234.5178	2.71635	-1.97006	-64.8782	18973.46
41040_1041	41040	1041	-18.5958	-223.22	-2.71635	1.970063	42.46935	-17314.5
41041_1041	41041	1041	16.59945	223.3757	2.712413	1.425638	-42.4854	17319.47
41041_1042	41041	1042	-16.5995	-201.044	-2.71241	-1.42564	-1.74641	-12725.6
41042_1042	41042	1042	16.56585	191.4434	-0.40189	-4.39163	1.746413	12725.95
41042_1043	41042	1043	-16.5659	-175.039	0.401888	4.391625	3.062325	-10530.6
41043_1043	41043	1043	16.56585	175.0387	-0.41554	4.36905	-3.06233	10530.55
41043_1044	41043	1044	-16.5659	-158.63	0.415538	-4.36905	8.03355	-8531.86

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41044_1044	41044	1044	16.56585	145.7594	-0.37354	-2.6943	-8.03355	8532.095
41044_1045	41044	1045	-16.5659	-129.355	0.373538	2.6943	12.51075	-6884.37
41045_1045	41045	1045	16.56585	129.3548	-0.38745	3.034238	-12.5108	6884.367
41045_1046	41045	1046	-16.5659	-112.952	0.38745	-3.03424	17.1507	-5433.23
41046_1046	41046	1046	16.57714	103.577	0.38745	-0.81585	-17.1507	5433.389
41046_1047	41046	1047	-16.5771	-87.1623	-0.38745	0.81585	12.51443	-4290.29
41047_1047	41047	1047	16.57714	87.16234	0.374588	2.478525	-12.5144	4290.286
41047_1048	41047	1048	-16.5771	-70.7621	-0.37459	-2.47853	8.034863	-3344.69
41048_1048	41048	1048	16.56401	60.7173	-0.60716	-0.60427	-8.03486	3344.762
41048_1049	41048	1049	-16.564	-44.3069	0.607163	0.604275	15.30008	-2715.42
41049_1049	41049	1049	16.56401	44.30685	-0.63236	3.745875	-15.3001	2715.419
41049_1050	41049	1050	-16.564	-27.9082	0.632363	-3.74588	22.8774	-2283.1
41050_1050	41050	1050	16.58344	18.87769	1.051838	0	-22.8774	2283.177
41050_1051	41050	1051	-16.5834	3.4356	-1.05184	0	5.735625	-2480.99
41051_1051	41051	1051	16.61573	-3.29464	1.0269	3.260775	-5.70649	2479.299
41051_1052	41051	1052	-16.7247	14.57978	-1.0269	-3.26078	-2.76544	-2363.34
41052_1052	41052	1052	17.27224	-26.7758	3.872663	-1.61044	2.696663	2363.344
41052_1053	41052	1053	-17.7277	42.86704	-3.87266	1.610438	-48.2073	-2717.99
41053_1053	41053	1053	22.40018	-41.0421	1.616475	5.553188	45.16785	2430.546
41053_1054	41053	1054	-23.3903	59.02208	-1.61648	-5.55319	-66.6209	-3084.08
41054_1054	41054	1054	25.4751	-66.7309	-3.84851	4.202625	66.76346	3084.082
41054_1055	41054	1055	-26.8593	83.69025	3.848513	-4.20263	-18.5231	-4006.01
41055_1055	41055	1055	29.02804	-82.9618	-3.8661	7.079625	18.96773	4006.003
41055_1056	41055	1056	-30.8705	99.9327	3.8661	-7.07963	29.64176	-5167.28
41056_1056	41056	1056	-485.256	131.2112	5.83905	-1.86559	-173.659	2719.915
41056_1057	41056	1057	485.2565	-118.32	-5.83905	1.865588	118.1791	-1507.68
41057_1057	41057	1057	-485.254	118.3195	6.187125	-1.13899	-118.179	1479.996
41057_1058	41057	1058	485.2544	-107.81	-6.18713	1.138988	70.25629	-604.173
41058_1058	41058	1058	-485.254	107.8095	6.187125	-1.13899	-70.2563	604.1734
41058_1059	41058	1059	485.2544	-97.3011	-6.18713	1.138988	22.33324	190.234
41059_1059	41059	1059	-485.305	89.34476	-0.5985	2.096588	-22.3332	-190.26
41059_1060	41059	1060	485.3048	-78.4825	0.5985	-2.09659	27.12019	862.0904
41060_1060	41060	1060	-485.305	73.70501	-0.0315	1.09095	-27.1202	-862.09
41060_1061	41060	1061	485.305	-62.8559	0.0315	-1.09095	27.36904	1408.028
41061_1061	41061	1061	-485.305	62.85589	0.6111	-0.77438	-27.369	-1408.03
41061_1062	41061	1062	485.3053	-51.9923	-0.6111	0.774375	22.46869	1867.709
41062_1062	41062	1062	-485.306	42.88673	0.281138	4.7943	-22.4687	-1867.76
41062_1063	41062	1063	485.3061	-34.7427	-0.28114	-4.7943	20.78213	2100.697
41063_1063	41063	1063	-485.306	34.74266	1.03845	1.510425	-20.7821	-2100.7
41063_1064	41063	1064	485.3063	-26.6146	-1.03845	-1.51043	14.5509	2284.49
41064_1064	41064	1064	-485.306	26.61461	1.088588	1.281525	-14.5509	-2284.49
41064_1065	41064	1065	485.3063	-18.4706	-1.08859	-1.28153	8.0178	2419.766
41065_1065	41065	1065	-485.302	18.47055	1.896038	-2.74365	-8.0178	-2419.76
41065_1066	41065	1066	485.3021	-10.3294	-1.89604	2.74365	-3.36026	2506.172
41066_1066	41066	1066	-485.303	0.9051	1.6317	3.892875	3.360263	-2506.25
41066_1067	41066	1067	485.3034	9.955575	-1.6317	-3.89288	-16.4042	2470.023
41067_1067	41067	1067	-485.301	-9.95558	2.235975	0.812175	16.40415	-2470.02
41067_1068	41067	1068	485.3006	20.81625	-2.23598	-0.81218	-34.2972	2346.89
41068_1068	41068	1068	-485.301	-20.8163	2.200538	0.979388	34.2972	-2346.89
41068_1069	41068	1069	485.3006	31.66118	-2.20054	-0.97939	-51.8858	2137.16
41069_1069	41069	1069	-485.349	-39.5202	0.0084	4.21785	51.88575	-2137.28
41069_1070	41069	1070	485.3489	50.03749	-0.0084	-4.21785	-51.9498	1790.16
41070_1070	41070	1070	-485.349	-50.0375	0.0084	4.21785	51.9498	-1790.16
41070_1071	41070	1071	485.3489	60.55613	-0.0084	-4.21785	-52.0141	1361.497
41071_1071	41071	1071	-485.35	-60.5561	0.348338	3.286238	52.01411	-1328.37
41071_1072	41071	1072	485.3496	73.43884	-0.34834	-3.28624	-55.3248	699.198
41072_1072	41072	1072	24.50175	177.1505	3.46185	-0.5607	25.18924	1104.771
41072_1073	41072	1073	-22.6564	-160.18	-3.46185	0.5607	-68.7125	1036.975
41073_1073	41073	1073	18.47501	160.7169	3.457913	-3.1269	68.73458	-1036.97

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41073_1074	41073	1074	-17.0909	-143.759	-3.45791	3.1269	-112.063	2964.009
41074_1074	41074	1074	12.81158	133.3778	-2.24936	0.785137	111.6092	-2964.22
41074_1075	41074	1075	-11.8199	-115.402	2.249363	-0.78514	-81.7827	4722.32
41075_1075	41075	1075	5.215613	208.5807	-4.97359	14.85881	72.87683	12202.83
41075_1076	41075	1076	-4.76805	-192.78	4.973588	-14.8588	-14.3947	-9772.46
41076_1076	41076	1076	1.651125	177.2815	2.038838	-5.85585	14.81183	9773.136
41076_1077	41076	1077	-1.54245	-166.191	-2.03884	5.85585	-31.6347	-8071.65
41077_1077	41077	1077	0.12075	166.2008	2.038313	4.887225	31.5819	8071.605
41077_1078	41077	1078	-0.12075	-146.267	-2.03831	-4.88723	-61.8161	-5755.19
41078_1078	41078	1078	0.085837	137.6778	-1.25869	-2.2764	61.81613	5755.327
41078_1079	41078	1079	-0.08584	-122.553	1.258688	2.2764	-47.6448	-4291.25
41079_1079	41079	1079	0.084263	122.5534	-1.25895	1.705988	47.6448	4291.254
41079_1080	41079	1080	-0.08426	-107.414	1.25895	-1.70599	-33.4619	-2996.35
41080_1080	41080	1080	0.095287	99.35021	-0.14438	-1.33744	33.46193	2996.441
41080_1081	41080	1081	-0.09529	-84.2142	0.144375	1.337438	-31.8281	-1962.91
41081_1081	41081	1081	0.095287	84.2142	-0.1449	0.404775	31.82813	1962.91
41081_1082	41081	1082	-0.09529	-69.0782	0.1449	-0.40477	-30.1925	-1099.86
41082_1082	41082	1082	0.093712	59.75865	-0.38168	-0.57908	30.19249	1099.891
41082_1083	41082	1083	-0.09371	-43.4928	0.381675	0.579075	-25.5791	-475.207
41083_1083	41083	1083	0.092137	43.49284	-0.38089	0.205013	25.57905	475.2061
41083_1084	41083	1084	-0.09214	-27.227	0.380888	-0.20501	-20.9656	-47.3679
41084_1084	41084	1084	0.096075	17.79986	-0.08741	0.19215	20.96561	47.3697
41084_1085	41084	1085	-0.09607	-2.66385	0.087413	-0.19215	-19.9873	67.8258
41085_1085	41085	1085	0.0945	2.66385	-0.08584	0.072187	19.98728	-67.825
41085_1086	41085	1086	-0.0945	12.46928	0.085838	-0.07219	-19.0063	12.63675
41086_1086	41086	1086	0.081637	-21.7476	-1.28651	0.165638	19.00631	-12.6386
41086_1087	41086	1087	-0.08164	36.88204	1.286513	-0.16564	-4.50319	-317.379
41087_1087	41087	1087	0.081637	-36.882	-1.28914	0.729225	4.503188	317.3788
41087_1088	41087	1088	-0.08164	52.01516	1.289138	-0.72923	9.999675	-817.727
41088_1088	41088	1088	0.1029	-59.6841	0.706388	-0.40609	-9.99968	817.7589
41088_1089	41088	1089	-0.1029	78.85001	-0.70639	0.406088	-0.06221	-1949.81
41089_1089	41089	1089	0.791175	-78.8466	0.70455	-1.00853	0.05355	1949.828
41089_1090	41089	1090	-0.90011	89.94274	-0.70455	1.008525	-5.87869	-2702.25
41090_1090	41090	1090	2.804287	-106.031	2.6502	-2.80219	5.817263	2702.249
41090_1091	41090	1091	-3.25526	121.8213	-2.6502	2.802188	-36.9566	-3917.47
41091_1091	41091	1091	10.81815	-120.751	0.5775	2.400038	35.29969	3734.991
41091_1092	41091	1092	-11.7915	138.4128	-0.5775	-2.40004	-42.9671	-5488.05
41092_1092	41092	1092	15.80985	-145.542	-3.59336	-2.5452	42.71899	5488.083
41092_1093	41092	1093	-17.1707	162.2156	3.593363	2.5452	2.3394	-7456.53
41093_1093	41093	1093	21.41423	-161.71	-3.59966	8.979338	-1.23401	7456.529
41093_1094	41093	1094	-23.2271	178.3677	3.599663	-8.97934	46.45725	-9446.02
41094_1094	41094	1094	-727.642	108.4989	2.431013	-4.36905	-96.0459	3422.102
41094_1095	41094	1095	727.6419	-95.828	-2.43101	4.36905	72.93458	-2451.18
41095_1095	41095	1095	-727.64	95.82799	2.629463	-3.83408	-72.9346	2414.81
41095_1096	41095	1096	727.64	-85.4907	-2.62946	3.834075	52.55224	-1711.93
41096_1096	41096	1096	-727.632	85.49074	4.48245	0.527363	-52.5522	1711.937
41096_1097	41096	1097	727.6316	-75.1692	-4.48245	-0.52736	17.84528	-1089.99
41097_1097	41097	1097	-727.675	67.82344	-0.60034	-1.06444	-17.8453	1089.997
41097_1098	41097	1098	727.6747	-57.1547	0.600338	1.064438	22.64798	-589.921
41098_1098	41098	1098	-727.676	57.15465	0.3087	-0.32891	-22.648	589.9199
41098_1099	41098	1099	727.6763	-46.4872	-0.3087	0.328913	20.17759	-175.234
41099_1099	41099	1099	-727.676	46.48718	0.3087	-0.32891	-20.1776	175.2342
41099_1100	41099	1100	727.6763	-35.8171	-0.3087	0.328913	17.70694	154.0762
41100_1100	41100	1100	-727.645	27.62393	4.319438	-2.18768	-17.7069	-154.058
41100_1101	41100	1101	727.645	-19.6245	-4.31944	2.187675	-8.2173	295.8367
41101_1101	41101	1101	-727.646	19.6245	4.292663	-2.1777	8.2173	-295.835
41101_1102	41101	1102	727.6463	-11.6353	-4.29266	2.1777	-33.942	389.4783
41102_1102	41102	1102	-727.647	11.63531	-4.16325	2.34885	33.94204	-389.478
41102_1103	41102	1103	727.6471	-3.63143	4.16325	-2.34885	-8.94968	435.3051

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41103_1103	41103	1103	-727.652	3.631425	-2.95155	1.62435	8.949675	-435.309
41103_1104	41103	1104	727.6521	4.370888	2.95155	-1.62435	8.766975	433.0854
41104_1104	41104	1104	-727.649	-12.6654	0.066938	0.655725	-8.76698	-433.086
41104_1105	41104	1105	727.649	23.3226	-0.06694	-0.65573	8.222288	289.2467
41105_1105	41105	1105	-727.647	-23.3226	1.004325	0.282713	-8.22229	-289.245
41105_1106	41105	1106	727.6474	33.9927	-1.00433	-0.28271	0.17955	59.87809
41106_1106	41106	1106	-727.647	-33.9927	1.004325	0.282713	-0.17955	-59.8781
41106_1107	41106	1107	727.6474	44.66306	-1.00433	-0.28271	-7.8645	-254.892
41107_1107	41107	1107	-727.664	-52.1488	-2.09423	2.041463	7.8645	254.8859
41107_1108	41107	1108	727.6642	62.4729	2.094225	-2.04146	8.341988	-698.649
41108_1108	41108	1108	-727.664	-62.4729	-2.06614	2.066138	-8.34199	698.6493
41108_1109	41108	1109	727.6642	72.81015	2.066138	-2.06614	24.36604	-1223.08
41109_1109	41109	1109	-727.665	-72.8102	-1.32694	3.236625	-24.366	1264.441
41109_1110	41109	1110	727.6652	85.48103	1.326938	-3.23663	36.96814	-2036.76
41110_1110	41110	1110	29.56931	210.6644	3.184125	-6.91478	-7.65188	7889.907
41110_1111	41110	1111	-27.7565	-194.006	-3.18413	6.914775	-32.3639	-5323.24
41111_1111	41111	1111	22.30331	189.9027	3.174675	0.753375	31.52389	5323.249
41111_1112	41111	1112	-20.9409	-173.233	-3.17468	-0.75337	-71.3147	-3023.65
41112_1112	41112	1112	16.09466	164.9597	-1.68105	-3.16391	71.41943	3023.712
41112_1113	41112	1113	-15.12	-147.289	1.68105	3.163913	-49.1187	-949.554
41113_1113	41113	1113	-0.67673	244.3366	-2.87726	16.47371	35.94386	18017.39
41113_1114	41113	1114	1.125863	-228.698	2.877263	-16.4737	-2.14095	-15155.7
41114_1114	41114	1114	-4.97621	219.0082	0.334425	-18.2844	2.718713	15156.19
41114_1115	41114	1115	5.0862	-208.019	-0.33443	18.28444	-5.47601	-14377.6
41115_1115	41115	1115	-6.9027	207.968	0.34965	9.956625	5.3151	14377.94
41115_1116	41115	1116	6.9027	-188.294	-0.34965	-9.95663	-10.479	-10026.1
41116_1116	41116	1116	-6.9027	179.9687	-0.32183	-2.91375	10.479	10026.15
41116_1117	41116	1117	6.9027	-164.985	0.321825	2.91375	-6.86228	-8085.44
41117_1117	41117	1117	-6.90401	164.9847	-0.31579	4.271925	6.862275	8085.442
41117_1118	41117	1118	6.904013	-150.002	0.315788	-4.27193	-3.31406	-6313.36
41118_1118	41118	1118	-6.90401	142.4737	-0.20475	-3.31485	3.314063	6313.365
41118_1119	41118	1119	6.904013	-127.478	0.20475	3.31485	-1.00721	-4793.32
41119_1119	41119	1119	-6.90401	127.4781	-0.19373	5.131613	1.007213	4793.319
41119_1120	41119	1120	6.904013	-112.495	0.193725	-5.13161	1.163663	-3443.32
41120_1120	41120	1120	-6.90401	103.9881	0.116813	0.600863	-1.16366	3443.325
41120_1121	41120	1121	6.904013	-87.8721	-0.11681	-0.60086	-0.24071	-2282.45
41121_1121	41121	1121	-6.9027	87.87214	0.122588	2.4633	0.240713	2282.451
41121_1122	41121	1122	6.9027	-71.7707	-0.12259	-2.4633	-1.70861	-1317.31
41122_1122	41122	1122	-6.9027	63.2814	-0.13519	1.481288	1.708613	1317.31
41122_1123	41122	1123	6.9027	-48.2858	0.135188	-1.48129	-0.1827	-689.148
41123_1123	41123	1123	-6.9027	48.28583	-0.12915	2.087925	0.1827	689.1452
41123_1124	41123	1124	6.9027	-33.3044	0.12915	-2.08793	1.275488	-230.178
41124_1124	41124	1124	-6.90401	20.48366	-0.16643	1.568438	-1.27549	230.1779
41124_1125	41124	1125	6.904013	-5.48809	0.166425	-1.56844	3.1584	-83.9493
41125_1125	41125	1125	-6.90428	5.488087	-0.1554	1.71465	-3.1584	83.94671
41125_1126	41125	1126	6.904275	9.49305	0.1554	-1.71465	4.900613	-106.477
41126_1126	41126	1126	-6.90533	-16.243	-0.87754	0.051188	-4.90061	106.4774
41126_1127	41126	1127	6.905325	34.82115	0.877538	-0.05119	17.13574	-462.654
41127_1127	41127	1127	-6.60765	-34.8792	-0.86993	0.93765	-17.1297	460.8392
41127_1128	41127	1128	6.50055	45.864	0.869925	-0.93765	24.30356	-793.923
41128_1128	41128	1128	-5.52773	-55.9041	4.024388	-4.90718	-24.4398	793.8929
41128_1129	41128	1129	5.081738	71.5512	-4.02439	4.907175	-22.8601	-1650.95
41129_1129	41129	1129	5.504625	-70.3098	0.782513	4.31235	25.00339	1328.92
41129_1130	41129	1130	-6.48716	88.1622	-0.78251	-4.31235	-35.3811	-2384.93
41130_1130	41130	1130	10.91869	-117.092	-2.9295	0.389025	35.24771	2384.919
41130_1131	41130	1131	-12.2937	133.9351	2.9295	-0.38903	1.486275	-3982.62
41131_1131	41131	1131	15.79095	-133.568	-2.93186	3.509363	-1.15946	3982.612
41131_1132	41131	1132	-17.624	150.4241	2.931863	-3.50936	38.03074	-5821.8
41132_1132	41132	1132	-557.341	111.0596	8.7927	3.512513	-93.6797	2596.266

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41132_1133	41132	1133	557.3408	-98.2619	-8.7927	-3.51251	10.14878	-1526.37
41133_1133	41133	1133	-557.352	98.26189	8.072138	-0.17588	-10.1488	1407.69
41133_1134	41133	1134	557.3523	-87.8189	-8.07214	0.175875	-52.4218	-686.633
41134_1134	41134	1134	-557.409	87.81885	-0.5565	-10.8071	52.42178	686.5496
41134_1135	41134	1135	557.4093	-77.3742	0.5565	10.80713	-48.1113	-46.3352
41135_1135	41135	1135	-557.421	68.96164	-1.51856	-1.05814	48.11126	46.49925
41135_1136	41135	1136	557.4206	-58.1795	1.518563	1.058138	-35.9609	462.1635
41136_1136	41136	1136	-557.42	58.17945	-2.21471	-0.48064	35.96093	-462.167
41136_1137	41136	1137	557.4203	-47.3973	2.214713	0.480638	-18.2367	884.5701
41137_1137	41137	1137	-557.421	47.39726	-1.51856	-1.58655	18.23666	-884.569
41137_1138	41137	1138	557.4206	-36.6164	1.518563	1.58655	-6.08501	1220.692
41138_1138	41138	1138	-557.467	27.68456	-0.17719	1.019025	6.085013	-1220.68
41138_1139	41138	1139	557.4671	-19.6132	0.177188	-1.01903	-5.02583	1362.375
41139_1139	41139	1139	-557.467	19.61321	0.772275	-1.30016	5.025825	-1362.38
41139_1140	41139	1140	557.4673	-11.5259	-0.77228	1.300163	-9.65633	1455.814
41140_1140	41140	1140	-557.467	11.52585	0.772275	-1.30016	9.656325	-1455.81
41140_1141	41140	1141	557.4673	-3.44111	-0.77228	1.300163	-14.2884	1500.729
41141_1141	41141	1141	-557.467	3.441113	-0.15724	1.1991	14.2884	-1500.73
41141_1142	41141	1142	557.4671	4.644675	0.157238	-1.1991	-13.3494	1497.113
41142_1142	41142	1142	-557.459	-18.1731	0.326288	-0.06772	13.34944	-1497.09
41142_1143	41142	1143	557.4594	28.95533	-0.32629	0.067725	-15.9616	1308.545
41143_1143	41143	1143	-557.459	-28.9553	0.326288	-0.06772	15.96158	-1308.55
41143_1144	41143	1144	557.4594	39.73489	-0.32629	0.067725	-18.5753	1033.73
41144_1144	41144	1144	-557.459	-39.7349	-0.36986	1.222988	18.57529	-1033.73
41144_1145	41144	1145	557.4594	50.51839	0.369863	-1.22299	-15.6164	672.6366
41145_1145	41145	1145	-557.401	-57.8944	-2.78749	2.451488	15.61639	-672.603
41145_1146	41145	1146	557.4014	68.32586	2.787488	-2.45149	5.967938	184.0348
41146_1146	41146	1146	-557.403	-68.3259	-2.77279	2.4465	-5.96794	-184.035
41146_1147	41146	1147	557.403	78.77048	2.772788	-2.4465	27.46354	-386.077
41147_1147	41147	1147	-557.405	-78.7705	-2.41343	2.215238	-27.4635	496.9981
41147_1148	41147	1148	557.4051	91.57103	2.413425	-2.21524	50.39895	-1306.28
41148_1148	41148	1148	7.589138	167.9375	3.027938	-3.90075	-23.2205	4136.218
41148_1149	41148	1149	-5.76056	-151.091	-3.02794	3.90075	-14.8289	-2131.49
41149_1149	41149	1149	1.80915	151.1911	3.03555	-2.62159	14.595	2131.497
41149_1150	41149	1150	-0.43575	-134.359	-3.03555	2.621588	-52.6163	-342.788
41150_1150	41150	1150	-3.34898	124.6085	-1.56634	-2.65414	52.4685	342.8145
41150_1151	41150	1151	4.331513	-106.75	1.566338	2.654138	-31.6982	1192.228
41151_1151	41151	1151	-19.5017	216.4373	-1.30463	5.3298	29.64071	14251.59
41151_1152	41151	1152	19.9542	-200.358	1.304625	-5.3298	-14.3042	-11801.7
41152_1152	41152	1152	-23.3155	187.6996	-0.85365	-1.68473	14.44564	11801.56
41152_1153	41152	1153	23.42576	-176.411	0.85365	1.684725	-7.40014	-10299.2
41153_1153	41153	1153	-24.9302	176.2068	-0.84788	0.6825	7.384913	10296.72
41153_1154	41153	1154	24.93015	-157.406	0.847875	-0.6825	4.27035	-8004.32
41154_1154	41154	1154	-24.9454	148.0324	-0.06694	-2.96809	-4.27035	8004.335
41154_1155	41154	1155	24.94538	-132.981	0.066938	2.968088	5.016113	-6458.42
41155_1155	41155	1155	-24.9456	132.9812	-0.04541	2.899838	-5.01611	6458.423
41155_1156	41155	1156	24.94564	-117.932	0.045413	-2.89984	5.50935	-5078.12
41156_1156	41156	1156	-24.9519	109.8615	0.2541	-1.3293	-5.50935	5078.137
41156_1157	41156	1157	24.95194	-96.1535	-0.2541	1.3293	2.9652	-4045.78
41157_1157	41157	1157	-24.9506	96.15349	0.277725	2.625263	-2.9652	4045.779
41157_1158	41157	1158	24.95063	-82.4586	-0.27773	-2.62526	0.17955	-3151.66
41158_1158	41158	1158	-24.9407	74.88889	-0.34256	-0.26171	-0.17955	3151.665
41158_1159	41158	1159	24.94065	-61.1796	0.342563	0.261713	3.608588	-2469.81
41159_1159	41159	1159	-24.9407	61.17956	-0.31763	2.151713	-3.60859	2469.812
41159_1160	41159	1160	24.94065	-47.4847	0.317625	-2.15171	6.7893	-1925.84
41160_1160	41160	1160	-24.9504	39.52436	0.124688	1.31985	-6.7893	1925.864
41160_1161	41160	1161	24.95036	-24.4747	-0.12469	-1.31985	5.412488	-1573.78
41161_1161	41161	1161	-24.9504	19.69721	0.124688	1.31985	-5.41249	1573.782
41161_1162	41161	1162	24.95036	-4.64888	-0.12469	-1.31985	4.034363	-1439.85

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41162_1162	41162	1162	-24.9417	-2.52551	-0.21814	0.69825	-4.03436	1439.82
41162_1163	41162	1163	24.9417	21.3234	0.218138	-0.69825	7.022138	-1603.7
41163_1163	41163	1163	-24.7616	-21.5345	-0.22391	0.375375	-7.01899	1605.469
41163_1164	41163	1164	24.65164	32.82116	0.223913	-0.37538	8.859113	-1829.75
41164_1164	41164	1164	-23.9098	-43.5774	2.085563	-1.70021	-8.90584	1829.693
41164_1165	41164	1165	23.45884	59.65391	-2.08556	1.700213	-15.6041	-2436.47
41165_1165	41165	1165	-15.3967	-57.9088	0.253575	2.23125	25.17638	2003.092
41165_1166	41165	1166	14.3934	76.28854	-0.25358	-2.23125	-28.5503	-2893.44
41166_1166	41166	1166	-11.7918	-85.1351	-1.57868	0.820838	28.54556	2893.456
41166_1167	41166	1167	10.38686	102.4603	1.578675	-0.82084	-8.77301	-4068.57
41167_1167	41167	1167	-7.70017	-102.698	-1.56293	3.8955	9.127388	4068.567
41167_1168	41167	1168	5.82435	120.0352	1.562925	-3.8955	10.52284	-5468.11
41168_1168	41168	1168	-500.683	120.7739	0.550988	-3.76871	-22.6997	2922.105
41168_1169	41168	1169	500.6833	-107.596	-0.55099	3.768713	17.46859	-1837.11
41169_1169	41169	1169	-500.683	107.5959	0.75495	-3.1773	-17.4686	1732.841
41169_1170	41169	1170	500.6828	-96.847	-0.75495	3.1773	11.62166	-940.455
41170_1170	41170	1170	-500.683	96.84701	0.75495	-3.1773	-11.6217	940.4553
41170_1171	41170	1171	500.6828	-86.0969	-0.75495	3.1773	5.774737	-231.399
41171_1171	41171	1171	-500.68	77.43724	1.01115	-0.97099	-5.77474	231.4418
41171_1172	41171	1172	500.6804	-66.3401	-1.01115	0.970988	-2.32181	343.7894
41172_1172	41172	1172	-500.682	66.34005	0.373013	-0.53393	2.321813	-343.79
41172_1173	41172	1173	500.6817	-55.2586	-0.37301	0.533925	-5.30723	829.6908
41173_1173	41173	1173	-500.68	55.25861	1.01115	-1.59154	5.307225	-829.689
41173_1174	41173	1174	500.6804	-44.163	-1.01115	1.591538	-13.4025	1227.449
41174_1174	41174	1174	-500.667	34.77233	0.26565	-0.49271	13.40246	-1227.43
41174_1175	41174	1175	500.6665	-26.4516	-0.26565	0.492713	-14.9985	1411.138
41175_1175	41175	1175	-500.667	26.4516	-0.56831	1.857713	14.99846	-1411.14
41175_1176	41175	1176	500.6665	-18.128	0.568313	-1.85771	-11.5886	1544.905
41176_1176	41176	1176	-500.667	18.12799	0.26565	-0.7161	11.58859	-1544.91
41176_1177	41176	1177	500.6665	-9.80569	-0.26565	0.7161	-13.1804	1628.725
41177_1177	41177	1177	-500.667	9.805688	0.26565	-0.7161	13.18039	-1628.72
41177_1178	41177	1178	500.6665	-1.48496	-0.26565	0.7161	-14.7764	1662.598
41178_1178	41178	1178	-500.669	-7.89731	-0.24124	2.25855	14.77639	-1662.58
41178_1179	41178	1179	500.6691	18.98138	0.241238	-2.25855	-12.8531	1555.17
41179_1179	41179	1179	-500.669	-18.9814	0.398475	0.274313	12.85305	-1555.17
41179_1180	41179	1180	500.6691	30.07856	-0.39848	-0.27431	-16.0398	1358.897
41180_1180	41180	1180	-500.669	-30.0786	0.398475	0.274313	16.0398	-1358.9
41180_1181	41180	1181	500.6691	41.17444	-0.39848	-0.27431	-19.2266	1073.831
41181_1181	41181	1181	-500.639	-49.3314	-1.35975	3.0492	19.22655	-1073.79
41181_1182	41181	1182	500.6395	60.08021	1.35975	-3.0492	-8.68901	649.73
41182_1182	41182	1182	-500.639	-64.8577	-1.35975	3.0492	8.689012	-649.73
41182_1183	41182	1183	500.6395	75.60919	1.35975	-3.0492	1.848788	105.3077
41183_1183	41183	1183	-500.64	-75.6092	-1.56371	2.80245	-1.84879	-12.5787
41183_1184	41183	1184	500.6403	88.7859	1.563713	-2.80245	16.70366	-783.832
41184_1184	41184	1184	7.524825	159.7593	2.780663	-2.63209	3.215887	3031.763
41184_1185	41184	1185	-5.65372	-142.435	-2.78066	2.632088	-38.141	-1107.3
41185_1185	41185	1185	1.90575	142.5346	2.774363	-4.47379	38.12261	1107.293
41185_1186	41185	1186	-0.50269	-125.196	-2.77436	4.473788	-72.9091	627.4657
41186_1186	41186	1186	-3.04841	114.9971	-1.57238	-2.33651	72.57731	-627.376
41186_1187	41186	1187	4.04985	-96.6189	1.572375	2.336513	-51.712	2167.802
41187_1187	41187	1187	-8.94311	205.6375	-2.28664	-1.53694	34.07093	14151.24
41187_1188	41187	1188	9.403538	-189.134	2.286638	1.536938	-7.19119	-11645.1
41188_1188	41188	1188	-12.579	175.3589	-0.44468	0.713212	7.146825	11645.24
41188_1189	41188	1189	12.69371	-163.786	0.444675	-0.71321	-3.47603	-9385
41189_1189	41189	1189	-14.0716	163.674	-0.45098	-3.55661	3.480225	9382.674
41189_1190	41189	1190	14.07158	-144.362	0.450975	3.556613	2.734725	-7264.45
41190_1190	41190	1190	-14.0781	135.5894	-0.13781	0.723713	-2.73473	7264.382
41190_1191	41190	1191	14.07814	-120.14	0.137813	-0.72371	4.249088	-5857.59
41191_1191	41191	1191	-14.0795	120.14	-0.15041	-4.60005	-4.24909	5857.588

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41191_1192	41191	1192	14.07945	-104.69	0.150413	4.60005	5.90415	-4620.74
41192_1192	41192	1192	-14.0737	95.83849	-0.37196	-2.7384	-5.90415	4620.767
41192_1193	41192	1193	14.07368	-81.6388	0.371963	2.7384	9.6726	-3723.43
41193_1193	41193	1193	-14.0737	81.63881	-0.36015	0.9429	-9.6726	3723.435
41193_1194	41193	1194	14.07368	-67.4394	0.36015	-0.9429	13.30061	-2969.69
41194_1194	41194	1194	-14.0529	58.93913	-1.28258	-0.20895	-13.3006	2969.736
41194_1195	41194	1195	14.05294	-44.741	1.282575	0.20895	26.2668	-2445.52
41195_1195	41195	1195	-14.0529	44.74103	-1.28258	-0.20895	-26.2668	2445.515
41195_1196	41195	1196	14.05294	-30.5442	1.282575	0.20895	39.2301	-2064.87
41196_1196	41196	1196	-14.1039	21.42971	0.64575	1.546913	-39.2301	2064.878
41196_1197	41196	1197	14.10386	-5.98027	-0.64575	-1.54691	32.11819	-1914.09
41197_1197	41197	1197	-14.1054	5.980275	0.63315	-0.22942	-32.1182	1914.089
41197_1198	41197	1198	14.10544	9.453413	-0.63315	0.229425	25.15748	-1933.17
41198_1198	41198	1198	-14.0721	-22.7448	-0.5586	0.1827	-25.1575	1933.155
41198_1199	41198	1199	14.0721	42.05513	0.5586	-0.1827	32.82904	-2450.11
41199_1199	41199	1199	-13.719	-42.1719	-0.56044	-0.25252	-32.8346	2453.561
41199_1200	41199	1200	13.60721	53.75948	0.560438	0.252525	37.46453	-2861.24
41200_1200	41200	1200	-12.5858	-66.1728	4.452	-2.90378	-37.5422	2861.14
41200_1201	41200	1201	12.12015	82.67464	-4.452	2.903775	-14.8019	-3762.31
41201_1201	41201	1201	-8.35249	-80.5195	0.88095	5.185425	17.77703	3375.547
41201_1202	41201	1202	7.319288	99.40455	-0.88095	-5.18543	-29.4591	-4559.44
41202_1202	41202	1202	-4.02859	-108.939	-4.21286	6.017288	29.6961	4559.531
41202_1203	41202	1203	2.585888	126.772	4.212863	-6.01729	23.12809	-6007.19
41203_1203	41203	1203	0.686963	-126.794	-4.21286	6.6129	-22.9669	6007.185
41203_1204	41203	1204	-2.60977	144.6252	4.212863	-6.6129	75.90923	-7729.52
41204_1204	41204	1204	-634.713	124.6597	5.908875	-3.65715	-195.777	3727.731
41204_1205	41204	1205	634.7129	-111.108	-5.90888	3.65715	139.634	-2570.7
41205_1205	41205	1205	-634.718	111.1084	5.481263	-6.86779	-139.634	2398.863
41205_1206	41205	1206	634.7179	-100.067	-5.48126	6.867788	97.1901	-1581.44
41206_1206	41206	1206	-634.718	100.0671	5.49885	-6.82474	-97.1901	1581.438
41206_1207	41206	1207	634.7179	-89.0117	-5.49885	6.824738	54.56168	-848.599
41207_1207	41207	1207	-634.608	79.90815	0.987525	-0.92768	-54.5617	848.7699
41207_1208	41207	1208	634.6079	-68.4947	-0.98753	0.927675	46.65833	-255.018
41208_1208	41208	1208	-634.606	68.49465	1.778963	-0.60716	-46.6583	255.0224
41208_1209	41208	1209	634.6064	-57.084	-1.77896	0.607163	32.41403	247.4018
41209_1209	41209	1209	-634.606	57.08404	1.778963	-0.60716	-32.414	-247.402
41209_1210	41209	1210	634.6064	-45.6745	-1.77896	0.607163	18.16553	658.5135
41210_1210	41210	1210	-634.603	35.58371	0.5607	1.825425	-18.1655	-658.477
41210_1211	41210	1211	634.6032	-27.0254	-0.5607	-1.82543	14.79608	846.3486
41211_1211	41211	1211	-634.602	27.02543	1.618838	0.4137	-14.7961	-846.353
41211_1212	41211	1212	634.6019	-18.4669	-1.61884	-0.4137	5.0799	982.8533
41212_1212	41212	1212	-634.602	18.46688	1.597838	0.44625	-5.0799	-982.853
41212_1213	41212	1213	634.6019	-9.92303	-1.59784	-0.44625	-4.4919	1067.894
41213_1213	41213	1213	-634.603	9.923025	0.5607	2.190038	4.4919	-1067.89
41213_1214	41213	1214	634.6032	-1.36316	-0.5607	-2.19004	-7.86135	1101.754
41214_1214	41214	1214	-634.584	-9.1476	0.874913	2.759925	7.86135	-1101.7
41214_1215	41214	1215	634.584	20.55979	-0.87491	-2.75993	-14.8717	982.8352
41215_1215	41215	1215	-634.582	-20.5598	0.084788	3.988163	14.87168	-982.832
41215_1216	41215	1216	634.5825	31.97198	-0.08479	-3.98816	-15.5382	772.6514
41216_1216	41216	1216	-634.584	-31.972	0.874913	3.023475	15.53816	-772.656
41216_1217	41216	1217	634.584	43.38285	-0.87491	-3.02348	-22.5485	471.1694
41217_1217	41217	1217	-634.501	-51.7128	-2.58038	7.525613	22.54849	-471.055
41217_1218	41217	1218	634.5011	62.76848	2.580375	-7.52561	-2.54861	27.34462
41218_1218	41218	1218	-634.501	-62.7685	-2.59665	7.526925	2.548612	-27.3446
41218_1219	41218	1219	634.5011	73.80949	2.59665	-7.52693	17.55443	-501.324
41219_1219	41219	1219	-634.505	-73.8095	-2.17035	7.337138	-17.5544	654.6343
41219_1220	41219	1220	634.5048	87.36105	2.17035	-7.33714	38.18089	-1420.34
41220_1220	41220	1220	29.85728	194.3445	5.877113	-11.4925	-3.88001	5101.697
41220_1221	41220	1221	-27.9421	-176.513	-5.87711	11.49251	-69.9547	-2771.93

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41221_1221	41221	1221	23.41631	177.1718	5.826713	-0.02441	68.65451	2771.985
41221_1222	41221	1222	-21.977	-159.343	-5.82671	0.024413	-141.701	-669.464
41222_1222	41222	1222	17.71429	150.8191	-0.09319	-7.82959	141.8708	669.3921
41222_1223	41222	1223	-16.6842	-131.921	0.093188	7.829588	-140.628	1224.889
41223_1223	41223	1223	14.5236	244.047	-4.19423	44.38875	166.4132	15212.58
41223_1224	41223	1224	-14.0482	-226.938	4.194225	-44.3888	-117.114	-12662.9
41224_1224	41224	1224	10.33594	216.95	-1.78605	-20.4737	118.3258	12661.74
41224_1225	41224	1225	-10.2197	-204.937	1.78605	20.47369	-103.594	-10552.6
41225_1225	41225	1225	8.508675	205.0159	-1.81703	17.10581	103.4192	10552.6
41225_1226	41225	1226	-8.50867	-181.121	1.817025	-17.1058	-73.6131	-7384.36
41226_1226	41226	1226	8.497912	172.4672	-1.61569	-10.363	73.61314	7383.157
41226_1227	41226	1227	-8.49791	-154.499	1.615688	10.36298	-53.6763	-5365.75
41227_1227	41227	1227	8.490825	154.4986	-1.6569	15.76628	53.67626	5365.738
41227_1228	41227	1228	-8.49082	-136.545	1.6569	-15.7663	-33.2451	-3571.37
41228_1228	41228	1228	8.497125	125.9108	-2.07638	-0.55676	33.2451	3570.401
41228_1229	41228	1229	-8.49713	-105.104	2.076375	0.556763	-7.63481	-2144.92
41229_1229	41229	1229	8.490563	105.1042	-2.10263	6.422063	7.634813	2144.912
41229_1230	41229	1230	-8.49056	-84.3163	2.102625	-6.42206	18.2973	-976.976
41230_1230	41230	1230	8.208638	73.47926	4.052738	0.819	-18.2973	976.4793
41230_1231	41230	1231	-8.20864	-52.6885	-4.05274	-0.819	-31.6977	-198.475
41231_1231	41231	1231	8.2215	52.68848	4.0278	1.466325	31.69766	198.4705
41231_1232	41231	1232	-8.2215	-31.9148	-4.0278	-1.46633	-81.3267	322.8438
41232_1232	41232	1232	8.185538	15.69383	5.152088	1.121925	81.3267	-322.821
41232_1233	41232	1233	-8.18554	0.967312	-5.15209	-1.12193	-132.259	395.5917
41233_1233	41233	1233	8.202862	-0.96731	5.126625	-0.13886	132.2593	-395.592
41233_1234	41233	1234	-8.20286	20.31356	-5.12663	0.138862	-191.09	281.6915
41234_1234	41234	1234	8.306813	-20.2805	5.090138	-2.01889	191.0832	-281.879
41234_1235	41234	1235	-8.33096	25.57616	-5.09014	2.018888	-207.075	207.6718
41235_1235	41235	1235	-4.82213	-42.7067	-9.59936	1.559775	192.5915	392.2022
41235_1236	41235	1236	4.530488	55.02053	9.599363	-1.55978	-123.992	-751.922
41236_1236	41236	1236	-4.65885	-55.0129	-9.58808	3.3075	124.0171	751.9113
41236_1237	41236	1237	4.300275	71.75805	9.588075	-3.3075	-30.8354	-1386.49
41237_1237	41237	1237	-2.73289	-71.8389	-9.57285	2.484038	30.89599	1388.827
41237_1238	41237	1238	2.365913	80.06696	9.57285	-2.48404	14.84096	-1728.45
41238_1238	41238	1238	-0.9513	-93.7773	-2.68459	-7.05154	-15.3426	1727.563
41238_1239	41238	1239	-0.15277	112.2547	2.684588	7.051538	44.17429	-2844.82
41239_1239	41239	1239	2.483513	-112.228	-2.66858	1.98975	-43.6926	2844.831
41239_1240	41239	1240	-4.02019	131.0544	2.668575	-1.98975	72.9162	-4190.81
41240_1240	41240	1240	8.0703	-140.554	-3.83906	3.56475	-72.8616	4189.659
41240_1241	41240	1241	-10.2246	160.954	3.839063	-3.56475	118.5064	-5941.49
41241_1241	41241	1241	-620.192	156.6891	-0.20134	-9.60173	-121.137	3040.855
41241_1242	41241	1242	620.192	-140.311	0.201337	9.601725	123.0458	-1629.64
41242_1242	41242	1242	-620.191	140.3107	0.485362	-7.82329	-123.046	1595.94
41242_1243	41242	1243	620.1914	-134.855	-0.48536	7.823288	121.5105	-1160.55
41243_1243	41243	1243	-620.404	120.1082	4.375613	-6.17689	-121.51	1160.545
41243_1244	41243	1244	620.4043	-104.226	-4.37561	6.176888	81.19309	-127.024
41244_1244	41244	1244	-620.386	104.2264	6.401063	-5.7624	-81.1931	127.0429
41244_1245	41244	1245	620.3859	-86.2872	-6.40106	5.7624	14.56744	864.3839
41245_1245	41245	1245	-619.731	77.4753	-1.14923	1.061813	-14.5674	-863.729
41245_1246	41245	1246	619.7307	-60.674	1.149225	-1.06181	25.76385	1537.102
41246_1246	41246	1246	-619.732	60.67399	0.852863	-3.9039	-25.7638	-1537.1
41246_1247	41246	1247	619.7323	-43.644	-0.85286	3.9039	17.32763	2052.46
41247_1247	41247	1247	-619.608	33.15113	1.0857	5.289638	-17.3276	-2051.44
41247_1248	41247	1248	619.6084	-17.498	-1.0857	-5.28964	7.468388	2281.423
41248_1248	41248	1248	-619.605	17.49799	2.305013	0.803513	-7.46839	-2281.43
41248_1249	41248	1249	619.6053	0.660188	-2.30501	-0.80351	-16.8121	2370.132
41249_1249	41249	1249	-619.076	-9.88365	-5.12321	10.02251	16.81207	-2369.19
41249_1250	41249	1250	619.0758	27.70215	5.123213	-10.0225	36.15649	2174.912
41250_1250	41250	1250	-619.092	-27.7022	-2.63708	1.28835	-36.1565	-2174.93

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41250_1251	41250	1251	619.0923	43.71203	2.637075	-1.28835	60.65089	1843.294
41251_1251	41251	1251	-619.215	-60.9543	1.4049	3.836438	-60.6509	-1842.96
41251_1252	41251	1252	619.2155	78.41899	-1.4049	-3.83644	46.42313	1136.872
41252_1252	41252	1252	-619.212	-83.1965	3.286238	0.37905	-46.4231	-1136.88
41252_1253	41252	1253	619.2115	102.5141	-3.28624	-0.37905	9.579675	96.10256
41253_1253	41253	1253	-619.213	-102.514	2.8455	0.49875	-9.57967	-85.0083
41253_1254	41253	1254	619.2134	107.961	-2.8455	-0.49875	0.590363	-247.618
41254_1254	41254	1254	-619.345	-117.927	9.362325	-14.0645	-0.59036	246.9692
41254_1255	41254	1255	619.3446	128.8442	-9.36233	14.06449	-58.7052	-1038.77
41255_1255	41255	1255	27.80085	202.1056	11.69044	4.22625	81.49995	3620.487
41255_1256	41255	1256	-26.2847	-188.205	-11.6904	-4.22625	-176.24	-2022.62
41256_1256	41256	1256	23.37799	188.5902	11.67626	5.448713	175.9388	2022.641
41256_1257	41256	1257	-22.2198	-176.125	-11.6763	-5.44871	-260.678	-692.458
41257_1257	41257	1257	18.32434	148.7307	-19.1636	-0.87229	260.8583	692.3774
41257_1258	41257	1258	-16.9872	-130.895	19.16355	0.872288	-62.1204	794.5899
41258_1258	41258	1258	14.11069	131.2337	-19.1864	-4.46618	62.19465	-794.572
41258_1259	41258	1259	-12.9785	-109.482	19.18639	4.466175	180.2031	2406.835
41259_1259	41259	1259	77.14901	103.167	2.776725	-24.3214	96.97538	15559.84
41259_1260	41259	1260	-76.6316	-84.6106	-2.77673	24.32141	-126.267	-14519.9
41260_1260	41260	1260	75.28789	85.81335	2.611088	4.515788	125.5913	14519.92
41260_1261	41260	1261	-75.1212	-69.1811	-2.61109	-4.51579	-150.269	-13096
41261_1261	41261	1261	74.50669	69.84285	2.571975	10.00204	150.3017	13088.63
41261_1262	41261	1262	-74.5067	-64.2681	-2.57198	-10.002	-158.454	-12876.2
41262_1262	41262	1262	74.70514	46.34569	-7.42718	-20.4887	158.4537	12874.58
41262_1263	41262	1263	-74.7051	-26.786	7.427175	20.48865	-75.9058	-12468.1
41263_1263	41263	1263	74.67836	26.78603	-7.6881	23.17009	75.90581	12468.15
41263_1264	41263	1264	-74.6784	-5.78524	7.6881	-23.1701	15.84818	-12273.8
41264_1264	41264	1264	74.56864	-1.94617	-1.37944	-21.8135	-15.8482	12272.54
41264_1265	41264	1265	-74.5686	22.31723	1.379438	21.81349	31.81474	-12413
41265_1265	41265	1265	74.56339	-22.3172	-1.64798	22.82753	-31.8147	12412.98
41265_1266	41265	1266	-74.5634	42.52106	1.647975	-22.8275	50.72918	-12785.2
41266_1266	41266	1266	74.54974	-49.8695	-0.54758	-17.4009	-50.7292	12784.56
41266_1267	41266	1267	-74.5497	70.42219	0.547575	17.40086	57.11738	-13486.9
41267_1267	41267	1267	74.54869	-70.4222	-0.7308	15.85868	-57.1174	13486.94
41267_1268	41267	1268	-74.5487	90.42994	0.7308	-15.8587	65.42708	-14401.3
41268_1268	41268	1268	74.53451	-98.0816	-4.72973	-25.5956	-65.4271	14401.34
41268_1269	41268	1269	-74.5345	121.0456	4.729725	25.59559	127.145	-15831.1
41269_1269	41269	1269	74.51929	-121.046	-4.97306	26.02819	-127.145	15831.14
41269_1270	41269	1270	-74.5193	141.1974	4.973063	-26.0282	184.0844	-17332.7
41270_1270	41270	1270	74.52034	-142.97	8.77905	-37.5955	-184.084	17332.64
41270_1271	41270	1271	-74.5203	159.0992	-8.77905	37.59551	103.6127	-18717
41271_1271	41271	1271	74.54213	-163.877	8.5911	10.2627	-103.613	18717
41271_1272	41271	1272	-74.5421	183.5127	-8.5911	-10.2627	7.770787	-22101
41272_1272	41272	1272	75.4719	-183.142	8.401575	62.98871	-7.45999	22097.72
41272_1273	41272	1273	-75.5118	190.4842	-8.40158	-62.9887	-27.5853	-22931.7
41273_1273	41273	1273	77.52203	-201.216	2.993025	-46.4273	26.58443	22933.56
41273_1274	41273	1274	-77.7533	215.2112	-2.99303	46.42733	-50.3908	-24012.8
41274_1274	41274	1274	80.5812	-214.171	2.885138	-13.4655	50.72025	24012.83
41274_1275	41274	1275	-81.0096	228.0272	-2.88514	13.46546	-73.442	-25575.7
41275_1275	41275	1275	83.75693	-227.036	2.608988	77.97825	76.97471	25558.83
41275_1276	41275	1276	-84.0746	234.3849	-2.60899	-77.9783	-87.8803	-26552.1
41276_1276	41276	1276	-5.60753	-154.618	-10.3499	-30.5327	-95.7374	8235.874
41276_1277	41276	1277	4.377188	175.5065	10.34985	30.53269	217.4555	-10136.1
41277_1277	41277	1277	-0.29059	-175.564	-10.2945	12.93574	-215.111	10136.24
41277_1278	41277	1278	-1.60729	198.2487	10.29446	-12.9357	346.7993	-12575.1
41278_1278	41278	1278	7.549763	-212.829	6.110212	-29.5769	-351.504	12575.22
41278_1279	41278	1279	-9.37309	229.8689	-6.11021	29.57693	292.6744	-14460
41279_1279	41279	1279	-982.554	191.4914	1.134788	16.03875	-315.8	6683.3
41279_1280	41279	1280	982.5535	-174.589	-1.13479	-16.0388	305.0213	-4943.99

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41280_1280	41280	1280	-982.552	174.5888	1.680263	18.62464	-305.021	4851.374
41280_1281	41280	1281	982.5519	-164.948	-1.68026	-18.6246	295.9163	-3931.18
41281_1281	41281	1281	-982.533	161.3787	6.68325	-5.53613	-295.916	4247.69
41281_1282	41281	1282	982.5328	-142.081	-6.68325	5.536125	213.3156	-2372.39
41282_1282	41282	1282	-982.509	142.0808	9.62115	1.5582	-213.316	2372.39
41282_1283	41282	1283	982.5094	-123.122	-9.62115	-1.5582	96.48503	-762.264
41283_1283	41283	1283	-982.504	89.1975	-2.30344	3.324563	-96.485	762.2543
41283_1284	41283	1284	982.5039	-69.8266	2.303438	-3.32456	125.0479	224.1677
41284_1284	41284	1284	-982.505	69.82658	0.88725	2.598225	-125.048	-224.177
41284_1285	41284	1285	982.5055	-53.031	-0.88725	-2.59823	115.5058	884.9867
41285_1285	41285	1285	-982.536	34.84556	5.593613	2.956275	-115.506	-884.922
41285_1286	41285	1286	982.5362	-17.3728	-5.59361	-2.95628	52.9221	1177.089
41286_1286	41286	1286	-982.514	17.37278	8.537813	-0.57278	-52.9221	-1177.09
41286_1287	41286	1287	982.5136	-1.12901	-8.53781	0.572775	-35.8953	1273.343
41287_1287	41287	1287	-982.593	-19.5612	-6.60608	2.762813	35.8953	-1273.38
41287_1288	41287	1288	982.5926	40.00999	6.606075	-2.76281	50.62628	883.27
41288_1288	41288	1288	-982.609	-44.7875	-3.22403	-0.27851	-50.6263	-883.275
41288_1289	41288	1289	982.6094	62.30884	3.224025	0.278513	86.81374	282.3497
41289_1289	41289	1289	-982.565	-79.4721	9.467325	7.264163	-86.8137	-282.394
41289_1290	41289	1290	982.5653	85.72463	-9.46733	-7.26416	48.90296	-48.3898
41290_1290	41290	1290	-982.549	-85.7246	10.88273	7.925663	-48.903	101.7875
41290_1291	41290	1291	982.5493	100.5567	-10.8827	-7.92566	-54.4787	-1006.35
41291_1291	41291	1291	32.87051	354.0007	25.71555	-20.7861	-84.6749	7065.829
41291_1292	41291	1292	-31.6504	-342.455	-25.7156	20.78606	-106.419	-4426.07
41292_1292	41292	1292	21.2352	316.0298	-4.40816	-3.99184	104.407	4426.088
41292_1293	41292	1293	-19.6397	-296.304	4.408163	3.991838	-48.5468	-473.934
41293_1293	41293	1293	11.4387	296.7342	-4.39504	-3.23531	48.31628	473.9644
41293_1294	41293	1294	-10.5291	-279.287	4.395038	3.235313	0.846037	2899.929
41294_1294	41294	1294	-16.6044	260.6932	0.576975	22.39204	-77.4454	-4261.04
41294_1295	41294	1295	16.94805	-249.599	-0.57698	-22.392	73.37584	6677.411
41295_1295	41295	1295	-21.1992	249.2718	0.67305	0.178238	-72.7036	-6682.58
41295_1296	41295	1296	21.34388	-238.009	-0.67305	-0.17824	67.88145	7605.756
41296_1296	41296	1296	-24.0387	237.7515	0.699563	-7.0266	-67.8717	-7605.75
41296_1297	41296	1297	24.04579	-223.908	-0.69956	7.0266	61.72346	9635.822
41297_1297	41297	1297	-24.1681	200.1526	1.855088	35.05294	-61.7266	-9635.83
41297_1298	41297	1298	24.16811	-193.775	-1.85509	-35.0529	54.21203	10433.99
41298_1298	41298	1298	-24.1639	193.7754	1.894463	18.7131	-54.212	-10427.5
41298_1299	41298	1299	24.16391	-180.45	-1.89446	-18.7131	38.18273	12011.57
41299_1299	41299	1299	-24.1571	180.4504	1.971638	-19.7589	-38.1827	-12011.6
41299_1300	41299	1300	24.15709	-161.586	-1.97164	19.7589	14.56193	14061.29
41300_1300	41300	1300	-24.1532	132.9555	0.731588	35.69659	-14.5619	-14061.3
41300_1301	41300	1301	24.15315	-112.237	-0.73159	-35.6966	4.924763	15675.1
41301_1301	41301	1301	-24.149	112.2374	0.829238	-27.1223	-4.92476	-15675.1
41301_1302	41301	1302	24.14895	-94.406	-0.82924	27.12229	-4.46329	16845.59
41302_1302	41302	1302	-24.1461	65.05328	1.224038	45.34635	4.463287	-16845.6
41302_1303	41302	1303	24.14606	-43.8653	-1.22404	-45.3464	-20.9449	17578.79
41303_1303	41303	1303	-24.1419	43.86533	1.337438	-37.1096	20.94488	-17578.8
41303_1304	41303	1304	24.14186	-26.4878	-1.33744	37.10963	-35.7116	17967.19
41304_1304	41304	1304	-24.1348	-3.71201	2.0265	41.94855	35.71155	-17967.3
41304_1305	41304	1305	24.13478	24.27758	-2.0265	-41.9486	-62.1923	17784.43
41305_1305	41305	1305	-24.1261	-24.2776	2.122575	-28.7837	62.19229	-17784.5
41305_1306	41305	1306	24.12611	42.2688	-2.12258	28.78365	-86.4533	17404.13
41306_1306	41306	1306	-24.1161	-76.3689	4.271138	38.99884	86.45333	-17404.1
41306_1307	41306	1307	24.11614	95.03944	-4.27114	-38.9988	-137.134	16387.47
41307_1307	41307	1307	-24.1007	-95.0394	4.355925	-18.2335	137.1337	-16387.5
41307_1308	41307	1308	24.10065	114.9285	-4.35593	18.23351	-192.185	15060.91
41308_1308	41308	1308	-24.0867	-142.645	3.277838	34.56968	192.1849	-15061
41308_1309	41308	1309	24.08674	161.789	-3.27784	-34.5697	-232.048	13209.5
41309_1309	41309	1309	-24.0744	-161.789	3.369188	-16.0666	232.0476	-13209.5

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41309_1310	41309	1310	24.0744	181.2129	-3.36919	16.06658	-273.632	11093.06
41310_1310	41310	1310	-24.0776	-204.587	-4.3869	22.95116	273.6316	-11093.1
41310_1311	41310	1311	24.07755	224.7499	4.3869	-22.9512	-217.441	8343.264
41311_1311	41311	1311	-24.0949	-224.75	-4.29424	-8.98984	217.4408	-8343.29
41311_1312	41311	1312	24.09488	244.8674	4.294238	8.989838	-162.554	5342.116
41312_1312	41312	1312	-24.1306	-273.897	-9.0552	15.78491	162.5544	-5342.18
41312_1313	41312	1313	24.13058	302.1527	9.0552	-15.7849	0	171.3928

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95
	Max.	1.31	1.58	1.84	1.84	1.05			0.00	
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
1000_1000	1000	1000	3.889	23.221	-0.204	1.13	0	13.268	1
1000_1001	1000	1001	73.523	-56.599	0.167	-0.793	2.833	604.466	1
1001_1001	1001	1001	5.811	-5.014	0.258	-0.254	4.388	50.759	1
1001_1002	1001	1002	108.971	-50.901	0.186	-1.237	5.197	892.818	1
1002_1002	1002	1002	10.095	-5.217	-0.335	-0.236	6.881	86.929	1
1002_1003	1002	1003	141.301	-41.676	-0.108	-0.731	4.029	1155.121	1
1003_1003	1003	1003	15.106	-5.217	-0.335	-0.261	2.799	127.396	1
1003_1004	1003	1004	165.846	-35.904	-0.113	-1.099	2.685	1355.023	1
1004_1004	1004	1004	20.135	-5.208	-0.144	-0.21	-1.274	168.02	1
1004_1005	1004	1005	185.472	-34.242	-0.065	-0.547	1.476	1514.735	1
1005_1005	1005	1005	25.147	-5.235	-0.143	-0.252	-2.985	208.985	1
1005_1006	1005	1006	197.287	-29.071	-0.053	-0.95	0.326	1610.999	1
1006_1006	1006	1006	30.179	-5.434	-0.079	-0.18	-4.735	249.589	1
1006_1007	1006	1007	206.576	-28.697	-0.039	-0.294	-0.857	1686.544	1
1007_1007	1007	1007	35.398	-5.434	-0.079	-0.236	-5.698	291.736	1
1007_1008	1007	1008	209.244	-23.875	-0.02	-0.723	-1.781	1708.33	1
1008_1008	1008	1008	40.616	-5.654	-0.072	-0.145	-6.663	333.872	1
1008_1009	1008	1009	210.555	-23.928	-0.044	-0.071	-3.093	1718.937	1
1009_1009	1009	1009	46.042	-5.654	-0.072	-0.208	-7.535	377.701	1
1009_1010	1009	1010	206.306	-2.541	-0.053	-0.235	-3.238	1684.614	1
1010_1010	1010	1010	51.473	-5.943	-0.075	-0.04	-8.41	421.561	1
1010_1011	1010	1011	202.919	-2.561	-0.091	0.601	-4.776	1657.253	1
1011_1011	1011	1011	57.181	-5.95	-0.075	-0.231	-9.292	467.758	1
1011_1012	1011	1012	193.9	2.173	-0.07	-0.212	-5.937	1584.197	1
1012_1012	1012	1012	62.89	-6.265	-0.067	-0.132	-10.205	513.869	1
1012_1013	1012	1013	183.639	2.593	-0.113	0.287	-7.645	1500.911	1
1013_1013	1013	1013	68.907	-6.265	-0.067	-0.024	-11.018	562.465	1
1013_1014	1013	1014	168.269	7.218	-0.086	0.412	-8.796	1376.188	1
1014_1014	1014	1014	74.923	-6.316	-0.026	-0.085	-11.829	611.057	1
1014_1015	1014	1015	143.389	10.467	0.024	0.387	-8.334	1174.154	1
1015_1015	1015	1015	91.346	-6.059	-0.017	0.128	-8.242	690.339	1
1015_1016	1015	1016	137.53	13.691	0.022	0.352	-5.292	1076.099	1
1016_1016	1016	1016	93.633	-5.754	0.035	0.015	-8.393	726.618	1
1016_1017	1016	1017	103.819	16.091	0.209	0.238	-2.717	910.278	1
1017_1017	1017	1017	90.257	-5.59	0.038	0.317	-7.828	790.385	1
1017_1018	1017	1018	65.845	1.254	0.133	0.229	-1.459	717.112	1
1018_1018	1018	1018	80.89	-5.355	-0.141	0.139	-7.347	867.873	1
1018_1019	1018	1019	36.732	4.102	-0.169	0.147	-4.418	516.034	1
1019_1019	1019	1019	69.503	-5.493	-0.141	0.579	-9.075	945.847	1
1019_1020	1019	1020	21.442	-1.628	-0.026	0.21	-4.509	374.519	1
1020_1020	1020	1020	40.336	25.702	-0.052	0.182	-1.401	506.441	1
1020_1021	1020	1021	116.18	-21.231	0.781	0.012	-17.399	499.569	1
1021_1021	1021	1021	23.833	22.783	0.02	0.161	-2.899	349.431	1
1021_1022	1021	1022	119.215	-18.958	0.585	-0.062	-8.296	534.233	1
1022_1022	1022	1022	9.214	20.075	0.08	0.178	-3.76	260.606	1
1022_1023	1022	1023	121.187	-22.76	0.53	-0.066	-2.902	595.502	1
1023_1023	1023	1023	2.73	0.339	0.067	0.025	-3.788	92.363	1
1023_1024	1023	1024	122.716	-20.44	0.082	0.009	-1.74	630.346	1
1024_1024	1024	1024	2.484	0.339	0.067	0.025	-3.248	90.636	1
1024_1025	1024	1025	123.213	-17.232	0.07	-0.033	-0.762	655.484	1
1025_1025	1025	1025	2.239	0.339	0.07	0.036	-2.708	88.91	1
1025_1026	1025	1026	123.057	-13.723	0.051	0.006	-0.046	671.772	1
1026_1026	1026	1026	1.993	0.336	0.064	0.023	-2.151	87.184	1
1026_1027	1026	1027	122.988	-12.917	0.022	-0.012	0.215	681.807	1
1027_1027	1027	1027	2.206	-0.659	-0.017	-0.032	1.096	-52.189	1
1027_1028	1027	1028	122.325	-10.124	0.01	0.086	0.369	685.072	1
1028_1028	1028	1028	2.566	-0.668	-0.017	-0.031	1.018	-50.799	1
1028_1029	1028	1029	120.494	-7.268	0.005	0.045	0.46	678.036	1
1029_1029	1029	1029	2.934	-0.685	-0.019	-0.033	0.946	-50.269	1
1029_1030	1029	1030	119.685	-18.965	-0.024	-0.077	0.329	668.638	1
1030_1030	1030	1030	3.311	-0.704	-0.026	-0.034	0.852	-49.416	1
1030_1031	1030	1031	118.754	-17.291	-0.062	0.005	-0.234	651.867	1
1031_1031	1031	1031	3.828	-0.721	-0.028	-0.036	0.651	-47.819	1
1031_1032	1031	1032	117.098	-14.055	-0.074	-0.026	-1.021	625.978	1
1032_1032	1032	1032	4.358	-0.748	-0.031	-0.037	0.412	-47.475	1
1032_1033	1032	1033	114.32	-11.1	-0.085	-0.07	-1.995	589.762	1
1033_1033	1033	1033	4.9	-0.831	-0.056	-0.019	0.166	-43.664	1
1033_1034	1033	1034	110.838	-8.848	-0.562	-0.088	-6.749	547.167	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1034_1034	1034	1034	5.495	-0.855	-0.06	-0.025	-0.318	-42.054	1
1034_1035	1034	1035	106.516	-6.353	-0.59	-0.085	-11.868	498.304	1
1035_1035	1035	1035	13.328	-24.716	0.057	0.056	-2.082	331.616	1
1035_1036	1035	1036	100.216	-10.8	-0.859	0.184	-24.908	425.745	1
1036_1036	1036	1036	89.583	35.385	-0.344	0.732	9.536	1028.875	1
1036_1037	1036	1037	25.357	6.249	0.047	0.104	0.333	250.003	1
1037_1037	1037	1037	82.108	32.096	-0.304	0.566	5.118	725.396	1
1037_1038	1037	1038	38.938	-33.62	0.222	-0.245	-1.012	632.962	1
1038_1038	1038	1038	70.443	27.681	0.115	0.518	1.894	479.755	1
1038_1039	1038	1039	67.942	-30.35	-0.171	-0.318	-2.542	783.678	1
1039_1039	1039	1039	59.31	7.436	-0.062	-0.046	-5.793	667.762	1
1039_1040	1039	1040	93.052	-27.017	-0.185	-0.237	-4.501	892.726	1
1040_1040	1040	1040	59.389	7.237	0.036	-0.059	-6.521	599.354	1
1040_1041	1040	1041	106.206	-25.984	-0.054	-0.183	-4.953	972.514	1
1041_1041	1041	1041	64.795	7.086	0.018	-0.003	-2.977	514.563	1
1041_1042	1041	1042	139.388	-20.081	-0.032	-0.163	-2.934	1023.432	1
1042_1042	1042	1042	53.616	6.928	0.005	0.008	-2.69	443.661	1
1042_1043	1042	1043	151.74	-34.651	-0.006	-0.217	-3.161	1104.229	1
1043_1043	1043	1043	45.585	6.928	0.006	0.037	-2.631	392.787	1
1043_1044	1043	1044	161.042	-29.828	-0.004	-0.194	-3.213	1159.784	1
1044_1044	1044	1044	37.568	6.833	0.011	0.036	-2.56	341.193	1
1044_1045	1044	1045	168.802	-28.297	0.001	-0.149	-3.198	1204.234	1
1045_1045	1045	1045	29.647	6.833	0.013	0.058	-2.426	291.021	1
1045_1046	1045	1046	170.8	-23.477	0.002	-0.119	-3.155	1211.208	1
1046_1046	1046	1046	36.153	-6.93	-0.018	-0.055	-2.451	251.071	1
1046_1047	1046	1047	171.178	-22.092	-0.005	-0.062	-3.195	1207.088	1
1047_1047	1047	1047	44.245	-6.987	-0.018	-0.034	-2.682	303.822	1
1047_1048	1047	1048	166.239	-17.424	-0.003	-0.039	-3.199	1168.456	1
1048_1048	1048	1048	52.411	-7.129	-0.015	-0.051	-2.903	357.934	1
1048_1049	1048	1049	159.512	-16.026	0	-0.031	-3.166	1117.794	1
1049_1049	1049	1049	60.678	-7.129	-0.015	0.008	-3.089	410.301	1
1049_1050	1049	1050	148.845	-11.648	0.003	0.066	-3.046	1041.005	1
1050_1050	1050	1050	68.942	-7.224	-0.017	-0.018	-3.263	462.927	1
1050_1051	1050	1051	132.178	-9.839	0.021	0.043	-2.55	921.289	1
1051_1051	1051	1051	76.612	-7.167	-0.019	0.112	-4.018	557.277	1
1051_1052	1051	1052	112.232	-5.856	0.022	0.192	-2.677	878.393	1
1052_1052	1052	1052	80.287	-6.856	0.016	0.02	-4.175	597.724	1
1052_1053	1052	1053	87.695	-3.695	0.096	0.106	-1.528	769.609	1
1053_1053	1053	1053	72.306	-7.006	0.022	0.371	-5.427	702.359	1
1053_1054	1053	1054	50.36	-0.329	0.105	0.3	-0.911	663.853	1
1054_1054	1054	1054	66.264	-21.206	0.167	-0.534	1.287	429.28	1
1054_1055	1054	1055	35.715	-4.858	-0.014	-0.143	1.059	219.244	1
1055_1055	1055	1055	75.741	-26.05	0.222	-0.706	3.773	668.858	1
1055_1056	1055	1056	35.452	-4.172	-0.016	-0.146	0.86	265.965	1
1056_1056	1056	1056	28.171	25.784	-0.049	0.335	-0.535	460.795	1
1056_1057	1056	1057	115.493	-27.339	0.524	-0.059	-10.727	560.382	1
1057_1057	1057	1057	10.096	20.867	0.037	0.342	-2.811	337.318	1
1057_1058	1057	1058	119.426	-24.81	0.45	-0.105	-5.497	617.7	1
1058_1058	1058	1058	9.046	-0.356	-0.067	-0.144	1.821	104.72	1
1058_1059	1058	1059	122.355	-22.054	0.429	-0.187	-1.645	664.874	1
1059_1059	1059	1059	9.277	-0.287	-0.066	-0.156	1.304	106.555	1
1059_1060	1059	1060	124.602	-19.786	0.055	-0.091	-0.865	705.607	1
1060_1060	1060	1060	9.47	-0.287	-0.065	-0.131	0.777	108.085	1
1060_1061	1060	1061	125.703	-16.577	0.042	-0.025	-0.249	734.72	1
1061_1061	1061	1061	9.665	-0.297	-0.06	-0.095	0.194	101.643	1
1061_1062	1061	1062	126.016	-13.101	0.028	0.074	0.184	753.404	1
1062_1062	1062	1062	9.865	-0.334	-0.06	-0.132	-0.288	103.225	1
1062_1063	1062	1063	126.199	-12.329	0.017	-0.062	0.365	764.536	1
1063_1063	1063	1063	10.032	-0.334	-0.059	-0.1	-0.646	104.558	1
1063_1064	1063	1064	125.752	-9.597	0.008	0.106	0.467	768.094	1
1064_1064	1064	1064	10.2	-0.334	-0.059	-0.098	-1	105.888	1
1064_1065	1064	1065	124.826	-21.636	-0.013	-0.17	0.431	763.685	1
1065_1065	1065	1065	10.367	-0.334	-0.058	-0.063	-1.355	107.22	1
1065_1066	1065	1066	124.123	-19.033	-0.023	0.001	0.263	751.652	1
1066_1066	1066	1066	10.536	-0.343	-0.06	-0.102	-1.705	108.554	1
1066_1067	1066	1067	123.182	-17.439	-0.041	-0.104	-0.17	732.109	1
1067_1067	1067	1067	10.765	-0.343	-0.06	-0.075	-2.185	110.38	1
1067_1068	1067	1068	121.542	-14.248	-0.052	-0.017	-0.78	702.457	1
1068_1068	1068	1068	10.995	-0.343	-0.06	-0.077	-2.662	112.205	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1068_1069	1068	1069	118.863	-11.321	-0.059	-0.109	-1.5	661.859	1
1069_1069	1069	1069	11.224	-0.38	-0.064	-0.063	-3.138	114.031	1
1069_1070	1069	1070	115.549	-9.277	-0.457	0.107	-5.379	614.999	1
1070_1070	1070	1070	11.471	-0.38	-0.064	-0.063	-3.636	115.988	1
1070_1071	1070	1071	111.373	-6.785	-0.472	0.019	-9.499	560.996	1
1071_1071	1071	1071	11.57	-0.38	-0.074	-0.052	-4.763	118.452	1
1071_1072	1071	1072	105.821	-4.154	-0.559	-0.054	-16.927	489.594	1
1072_1072	1072	1072	77.59	34.521	-0.284	0.908	7.413	933.545	1
1072_1073	1072	1073	29.54	-0.196	0.02	-0.213	-3.326	260.696	1
1073_1073	1073	1073	69.312	30.004	-0.242	0.716	3.598	638.202	1
1073_1074	1073	1074	43.525	-33.834	0.203	-0.328	-0.906	674.718	1
1074_1074	1074	1074	64.695	6.382	-0.024	-0.372	-5.114	782.281	1
1074_1075	1074	1075	73.447	-30.579	-0.134	-0.498	-2.073	839.186	1
1075_1075	1075	1075	79.446	6.306	-0.019	-0.017	-3.962	671.732	1
1075_1076	1075	1076	110.649	-27.094	-0.11	-0.195	-2.714	908.603	1
1076_1076	1076	1076	80.466	6.492	0.011	-0.107	-4.183	611.908	1
1076_1077	1076	1077	126.316	-26.062	-0.028	-0.236	-3.001	995.57	1
1077_1077	1077	1077	71.646	6.552	0.016	0.044	-5.763	575.224	1
1077_1078	1077	1078	134.39	-38.049	-0.037	-0.484	-5.158	1161.689	1
1078_1078	1078	1078	63.419	6.432	0.023	-0.02	-5.511	506.51	1
1078_1079	1078	1079	147.973	-36.021	0.017	-0.51	-5.049	1263.141	1
1079_1079	1079	1079	57.284	6.421	0.024	0.059	-5.244	459.873	1
1079_1080	1079	1080	157.264	-31.597	0.026	-0.414	-4.783	1331.297	1
1080_1080	1080	1080	51.255	6.264	0.03	0.039	-4.927	406.812	1
1080_1081	1080	1081	165.32	-30.491	0.009	-0.382	-4.716	1389.336	1
1081_1081	1081	1081	45.398	5.956	0.031	0.091	-4.447	347.206	1
1081_1082	1081	1082	168.745	-26.083	0.016	-0.276	-4.546	1412.035	1
1082_1082	1082	1082	39.787	5.747	0.031	0.055	-4.005	296.305	1
1082_1083	1082	1083	171.041	-24.886	0	-0.327	-4.59	1425.519	1
1083_1083	1083	1083	35.228	-5.619	-0.037	-0.051	-3.614	264.609	1
1083_1084	1083	1084	168.041	-20.229	0.009	-0.032	-4.498	1398.78	1
1084_1084	1084	1084	41.101	-5.809	-0.036	-0.117	-4.132	314.662	1
1084_1085	1084	1085	164.642	-2.966	-0.018	0.057	-4.739	1377.606	1
1085_1085	1085	1085	46.721	-5.948	-0.035	-0.001	-4.58	362.687	1
1085_1086	1085	1086	156.733	1.498	-0.009	0.382	-4.821	1314.358	1
1086_1086	1086	1086	52.404	-6.057	-0.03	-0.093	-4.981	407.252	1
1086_1087	1086	1087	147.842	2.38	-0.015	0.187	-4.993	1243.3	1
1087_1087	1087	1087	58.226	-6.115	-0.029	0.055	-5.318	453.721	1
1087_1088	1087	1088	135.674	-10.273	0.004	0.22	-4.718	1132.902	1
1088_1088	1088	1088	64.064	-6.15	-0.036	0.024	-5.643	497.52	1
1088_1089	1088	1089	119.489	-8.092	0.01	0.215	-4.419	999.831	1
1089_1089	1089	1089	70.508	-6.009	-0.032	0.078	-5.448	579.757	1
1089_1090	1089	1090	103.726	-5.185	0.009	0.145	-3.755	952.816	1
1090_1090	1090	1090	73.097	-5.756	0.023	0.057	-5.663	621.524	1
1090_1091	1090	1091	79.311	-3.108	0.124	0.223	-2.204	821.437	1
1091_1091	1091	1091	70.515	-5.727	0.029	0.321	-6.784	686.26	1
1091_1092	1091	1092	48.168	0.295	0.125	0.241	-1.298	661.278	1
1092_1092	1092	1092	63.749	-5.562	-0.124	0.14	-6.416	760.364	1
1092_1093	1092	1093	26.883	-5.237	-0.014	-0.154	0.454	218.558	1
1093_1093	1093	1093	71.868	-27.683	0.266	-0.646	4.809	687.376	1
1093_1094	1093	1094	26.675	-4.85	-0.017	-0.107	0.244	270.236	1
1094_1094	1094	1094	26.91	24.968	-0.043	0.288	-1.01	458.871	1
1094_1095	1094	1095	115.082	-27.388	0.593	-0.092	-12.083	561.718	1
1095_1095	1095	1095	11.648	0.713	0.06	0.081	-0.066	-33.232	1
1095_1096	1095	1096	115.637	-24.895	0.64	-0.21	-7.691	633.406	1
1096_1096	1096	1096	11.212	0.713	0.052	0.062	0.397	-37.013	1
1096_1097	1096	1097	118.12	-22.062	0.59	0.011	-2.378	682.124	1
1097_1097	1097	1097	10.774	0.662	0.011	0.081	0.8	-40.788	1
1097_1098	1097	1098	119.956	-19.798	0.075	-0.034	-1.297	724.284	1
1098_1098	1098	1098	10.362	0.641	0.006	0.066	0.878	-41.58	1
1098_1099	1098	1099	120.669	-16.504	0.055	0.065	-0.468	753.988	1
1099_1099	1099	1099	9.958	0.638	0.005	0.066	0.918	-44.687	1
1099_1100	1099	1100	120.597	-12.945	0.042	-0.016	0.146	772.356	1
1100_1100	1100	1100	9.563	0.649	-0.009	0.005	0.933	-46.255	1
1100_1101	1100	1101	120.616	-12.571	-0.011	0.942	0.168	784.178	1
1101_1101	1101	1101	9.363	-0.045	0.096	0.189	-1.845	98.123	1
1101_1102	1101	1102	120.055	-9.821	-0.016	0.981	0.129	788.211	1
1102_1102	1102	1102	9.383	-0.053	0.095	-0.043	-1.273	103.141	1
1102_1103	1102	1103	118.829	-21.832	0.011	-1.054	0.074	786.866	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1103_1103	1103	1103	9.409	-0.053	0.096	-0.008	-0.702	103.361	1
1103_1104	1103	1104	118.188	-19.199	-0.004	-0.77	-0.045	775.657	1
1104_1104	1104	1104	9.435	-0.15	0.1	0.086	-0.126	103.58	1
1104_1105	1104	1105	117.518	-17.907	-0.052	-0.142	-0.69	758.605	1
1105_1105	1105	1105	9.53	-0.15	0.101	0.113	0.673	104.402	1
1105_1106	1105	1106	116.054	-14.604	-0.071	-0.033	-1.617	729.785	1
1106_1106	1106	1106	9.625	-0.15	0.101	0.113	1.479	105.226	1
1106_1107	1106	1107	113.48	-11.572	-0.083	-0.115	-2.734	688.451	1
1107_1107	1107	1107	9.731	-0.115	0.088	0.127	2.44	111.448	1
1107_1108	1107	1108	110.268	-9.482	-0.633	0.08	-8.222	640.007	1
1108_1108	1108	1108	9.801	-0.115	0.088	0.128	3.124	112.141	1
1108_1109	1108	1109	106.047	-6.89	-0.655	-0.007	-14.065	583.02	1
1109_1109	1109	1109	10.3	-0.115	0.081	0.136	3.464	110.661	1
1109_1110	1109	1110	102.968	-4.135	-0.616	-0.034	-19.521	495.899	1
1110_1110	1110	1110	82.17	32.091	-0.356	0.874	11.28	931.657	1
1110_1111	1110	1111	25.142	1.235	0.03	-0.237	-3.602	297.462	1
1111_1111	1111	1111	75.61	27.596	-0.31	0.709	6.532	651.132	1
1111_1112	1111	1112	41.155	-33.089	0.268	-0.253	-1.915	682.194	1
1112_1112	1112	1112	66.124	23.875	0.09	0.667	2.929	425.649	1
1112_1113	1112	1113	69.341	-29.769	-0.136	-0.466	-3.206	839.154	1
1113_1113	1113	1113	69.427	7.048	-0.009	0.007	-5.728	707.124	1
1113_1114	1113	1114	94.457	-26.225	-0.117	-0.306	-3.868	944.292	1
1114_1114	1114	1114	69.803	7.228	0.032	-0.242	-5.831	639.182	1
1114_1115	1114	1115	106.867	-25.21	-0.021	-0.521	-4.112	1025.344	1
1115_1115	1115	1115	74.232	7.264	0.029	0.049	-4.636	538.596	1
1115_1116	1115	1116	135.374	-19.632	-0.014	-0.137	-3.735	1033.438	1
1116_1116	1116	1116	64.389	7.112	0.026	0	-4.207	470.109	1
1116_1117	1116	1117	145.678	-18.425	0.02	-0.151	-3.629	1107.918	1
1117_1117	1117	1117	57.052	7.049	0.027	0.048	-3.904	418.756	1
1117_1118	1117	1118	152.694	-13.976	0.027	-0.107	-3.352	1158.538	1
1118_1118	1118	1118	49.81	6.879	0.03	0.018	-3.572	365.586	1
1118_1119	1118	1119	158.73	-13.106	0.019	-0.139	-3.16	1201.344	1
1119_1119	1119	1119	42.755	6.716	0.031	0.089	-3.187	312.481	1
1119_1120	1119	1120	160.414	-8.536	0.026	0.051	-2.827	1214.175	1
1120_1120	1120	1120	35.96	6.408	0.03	0.061	-2.751	257.238	1
1120_1121	1120	1121	161.248	-7.513	0.015	0.035	-2.624	1220.491	1
1121_1121	1121	1121	29.149	5.821	0.029	0.074	-2.213	194.486	1
1121_1122	1121	1122	156.334	-2.542	0.019	0.075	-2.341	1188.182	1
1122_1122	1122	1122	23.105	5.03	0.027	0.059	-1.644	135.527	1
1122_1123	1122	1123	150.643	-1.84	0.005	0.134	-2.272	1150.034	1
1123_1123	1123	1123	25.773	-3.847	-0.012	-0.018	-1.947	203.433	1
1123_1124	1123	1124	139.999	2.769	0.009	0.18	-2.141	1078.695	1
1124_1124	1124	1124	29.849	-4.024	-0.009	-0.042	-2.102	235.802	1
1124_1125	1124	1125	128.52	3.618	-0.004	0.154	-2.196	1001.07	1
1125_1125	1125	1125	34.129	-4.231	-0.007	0.019	-2.207	273.511	1
1125_1126	1125	1126	114.675	-8.603	0.008	0.124	-2.05	894.629	1
1126_1126	1126	1126	38.514	-4.312	-0.002	-0.014	-2.284	302.304	1
1126_1127	1126	1127	97.761	-6.588	0.047	0.082	-1.355	771.996	1
1127_1127	1127	1127	45.742	-4.357	-0.001	0.045	-2.048	348.297	1
1127_1128	1127	1128	86.965	-3.924	0.043	0.096	-0.86	700.858	1
1128_1128	1128	1128	57.461	-18.086	-0.066	-0.217	0.825	223.459	1
1128_1129	1128	1129	63.321	-2.361	0.098	0.051	0.229	590.205	1
1129_1129	1129	1129	72.36	-21.538	-0.101	-0.394	0.021	389.679	1
1129_1130	1129	1130	34.85	-6.195	-0.053	-0.074	-1.03	241.16	1
1130_1130	1130	1130	87.221	-24.635	0.143	-0.457	-1.61	618.208	1
1130_1131	1130	1131	34.852	-5.605	-0.026	-0.108	-1.357	298.931	1
1131_1131	1131	1131	96.087	-29.075	0.188	-0.465	0.448	879.454	1
1131_1132	1131	1132	33.583	-5.195	-0.027	-0.019	-1.692	356.24	1
1132_1132	1132	1132	31.582	27.242	-0.104	0.44	2.154	431.918	1
1132_1133	1132	1133	105.684	-29.062	0.402	0.471	-7.394	445.953	1
1133_1133	1133	1133	14.688	21.506	-0.029	0.278	-0.183	276.983	1
1133_1134	1133	1134	112.249	-26.121	0.368	0.198	-3.556	500.398	1
1134_1134	1134	1134	9.243	1.411	-0.043	-0.261	-0.142	144.749	1
1134_1135	1134	1135	116.492	-23.12	0.433	-0.7	0.086	554.278	1
1135_1135	1135	1135	8.256	1.135	-0.021	-0.052	-0.508	132.076	1
1135_1136	1135	1136	120.558	-21.406	-0.001	0.023	0.211	605.271	1
1136_1136	1136	1136	7.585	0.148	-0.003	0.035	0.756	-39.943	1
1136_1137	1136	1137	122.893	-17.88	0.002	-0.112	0.309	642.682	1
1137_1137	1137	1137	8.29	-1.424	0.026	0.013	-1.21	52.858	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1137_1138	1137	1138	123.983	-14.049	-0.007	-0.059	0.298	667.787	1
1138_1138	1138	1138	9.334	-1.544	0.029	0.012	-1.031	65.084	1
1138_1139	1138	1139	124.816	-13.357	-0.001	-0.001	0.288	684.407	1
1139_1139	1139	1139	10.175	-1.544	0.029	0.027	-0.858	70.969	1
1139_1140	1139	1140	124.696	-10.32	-0.007	0.113	0.231	692.176	1
1140_1140	1140	1140	11.04	-1.607	0.03	0.029	-0.684	80.715	1
1140_1141	1140	1141	123.056	-7.219	-0.008	0.087	0.158	687.556	1
1141_1141	1141	1141	11.933	-1.665	0.032	0.012	-0.491	90.78	1
1141_1142	1141	1142	121.253	-17.822	-0.009	-0.179	-0.127	680.758	1
1142_1142	1142	1142	12.858	-1.806	0.032	0.045	-0.282	101.202	1
1142_1143	1142	1143	119.094	-16.197	-0.015	0.058	-0.332	659.015	1
1143_1143	1143	1143	14.176	-1.811	0.032	0.045	-0.023	110.767	1
1143_1144	1143	1144	115.716	-12.666	-0.018	0.019	-0.606	624.994	1
1144_1144	1144	1144	15.538	-1.96	0.036	0.032	0.349	131.243	1
1144_1145	1144	1145	110.776	-9.43	-0.016	-0.104	-0.897	577.878	1
1145_1145	1145	1145	16.965	-1.997	0.036	0.065	0.634	141.226	1
1145_1146	1145	1146	105.156	-7.284	-0.329	0.1	-3.65	524.263	1
1146_1146	1146	1146	18.393	-2.071	0.04	0.07	1.017	156.965	1
1146_1147	1146	1147	98.213	-4.523	-0.336	0.055	-6.521	462	1
1147_1147	1147	1147	18.647	-2.079	0.043	0.13	1.414	173.095	1
1147_1148	1147	1148	87.917	-1.608	-0.362	-0.036	-10.678	384.875	1
1148_1148	1148	1148	103.396	30.168	-0.222	0.591	4.645	955.851	1
1148_1149	1148	1149	37.1	3.253	0.013	0.044	-0.012	226.457	1
1149_1149	1149	1149	97.338	27.898	-0.201	0.51	1.768	684.976	1
1149_1150	1149	1150	36.907	3.946	0.011	0.074	0.13	183.703	1
1150_1150	1150	1150	87.667	24.4	0.069	0.461	-0.408	465.168	1
1150_1151	1150	1151	49.172	-28.43	-0.093	-0.282	-0.647	684.453	1
1151_1151	1151	1151	74.042	19.511	0.041	0.182	0.53	272.405	1
1151_1152	1151	1152	79.645	-24.979	-0.084	-0.135	-1.307	722.419	1
1152_1152	1152	1152	57.303	16.809	0.028	0.19	0.958	151.68	1
1152_1153	1152	1153	91.047	-24.261	-0.035	-0.089	-1.545	785.85	1
1153_1153	1153	1153	47.67	7.1	0.01	0.01	-2.058	385.876	1
1153_1154	1153	1154	109.662	-18.994	-0.034	-0.087	-1.754	836.2	1
1154_1154	1154	1154	37.914	6.785	0.013	0.01	-1.911	321.791	1
1154_1155	1154	1155	118.217	-17.569	0.004	-0.05	-1.748	895.965	1
1155_1155	1155	1155	30.485	6.552	0.014	0.026	-1.744	269.349	1
1155_1156	1155	1156	123.332	-12.882	0.006	-0.035	-1.683	932.387	1
1156_1156	1156	1156	23.512	5.814	0.014	0.017	-1.472	206.272	1
1156_1157	1156	1157	127.037	-11.969	0.003	-0.013	-1.68	958.119	1
1157_1157	1157	1157	18.016	4.906	0.014	0.022	-1.159	149.053	1
1157_1158	1157	1158	127.123	-22.558	0.002	-0.066	-1.652	958.611	1
1158_1158	1158	1158	13.63	-3.597	-0.011	-0.014	-0.927	96.439	1
1158_1159	1158	1159	127.146	-21.571	-0.006	-0.051	-1.709	955.295	1
1159_1159	1159	1159	17.647	-4.344	-0.011	-0.01	-1.198	137.316	1
1159_1160	1159	1160	123.342	-17.352	-0.002	-0.023	-1.721	927.589	1
1160_1160	1160	1160	22.448	-5.106	-0.014	-0.012	-1.458	185.223	1
1160_1161	1160	1161	118.09	-15.996	-0.008	0.02	-1.804	889.016	1
1161_1161	1161	1161	28.532	-5.7	-0.014	-0.015	-1.703	239.494	1
1161_1162	1161	1162	109.332	-11.657	-0.007	-0.014	-1.861	827.126	1
1162_1162	1162	1162	35.042	-6.011	-0.005	-0.004	-1.875	284.915	1
1162_1163	1162	1163	97.207	-9.166	0.037	0.05	-1.308	739.576	1
1163_1163	1163	1163	47.784	-14.373	-0.027	-0.162	0.916	91.478	1
1163_1164	1163	1164	80.491	-6.416	0.035	0.032	-1.162	700.908	1
1164_1164	1164	1164	59.932	-15.87	-0.031	-0.142	0.737	159.686	1
1164_1165	1164	1165	59.843	-4.617	0.072	0.086	-0.426	609.178	1
1165_1165	1165	1165	76.628	-18.269	-0.043	-0.297	0.364	285.05	1
1165_1166	1165	1166	44.212	-5.237	-0.02	-0.067	0.02	209.409	1
1166_1166	1166	1166	91.88	-22.319	0.13	-0.315	-0.51	470.852	1
1166_1167	1166	1167	44.282	-4.352	-0.01	-0.063	-0.1	256.178	1
1167_1167	1167	1167	101.748	-24.218	0.149	-0.354	1.22	692.989	1
1167_1168	1167	1168	43.068	-3.534	-0.011	-0.031	-0.242	298.943	1
1168_1168	1168	1168	34.513	27.277	-0.077	0.228	1.352	430.995	1
1168_1169	1168	1169	100.642	-29.433	0.308	-0.038	-5.835	447.267	1
1169_1169	1169	1169	22.004	2.072	-0.038	-0.066	0.975	170.405	1
1169_1170	1169	1170	108.686	-26.643	0.244	-0.109	-2.635	502.843	1
1170_1170	1170	1170	20.487	2.013	-0.035	-0.063	0.618	155.414	1
1170_1171	1170	1171	114.555	-23.671	0.236	-0.148	-0.602	555.099	1
1171_1171	1171	1171	19.034	1.915	-0.029	-0.034	0.302	140.373	1
1171_1172	1171	1172	119.613	-21.21	0.02	0.04	-0.313	600.677	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1172_1172	1172	1172	17.579	1.915	-0.029	-0.053	0.072	130.87	1
1172_1173	1172	1173	123.031	-17.737	0.021	-0.087	-0.051	634.024	1
1173_1173	1173	1173	16.158	1.782	-0.026	-0.03	-0.203	111.055	1
1173_1174	1173	1174	125.19	-13.965	0.013	-0.037	0.121	655.93	1
1174_1174	1174	1174	14.804	1.707	-0.025	-0.016	-0.408	102.213	1
1174_1175	1174	1175	126.602	-13.178	0	0.113	0.135	669.09	1
1175_1175	1175	1175	13.833	1.703	-0.025	-0.033	-0.558	95.533	1
1175_1176	1175	1176	128.163	-23.707	0.001	-0.143	0.164	673.304	1
1176_1176	1176	1176	12.882	1.651	-0.024	-0.016	-0.704	85.559	1
1176_1177	1176	1177	128.194	-20.723	-0.003	-0.047	0.136	667.515	1
1177_1177	1177	1177	11.96	1.597	-0.023	-0.014	-0.837	75.891	1
1177_1178	1177	1178	127.29	-17.886	-0.004	-0.071	0.105	653.715	1
1178_1178	1178	1178	11.062	1.528	-0.022	-0.016	-0.965	68.044	1
1178_1179	1178	1179	125.838	-16.171	-0.019	-0.031	-0.08	631.263	1
1179_1179	1179	1179	9.919	1.503	-0.022	-0.007	-1.13	59.064	1
1179_1180	1179	1180	123.11	-12.708	-0.025	0.016	-0.355	597.429	1
1180_1180	1180	1180	8.838	1.422	-0.02	-0.007	-1.243	47.34	1
1180_1181	1180	1181	118.775	-9.532	-0.028	-0.022	-0.68	551.513	1
1181_1181	1181	1181	7.825	-0.99	0.022	0.06	0.062	109.862	1
1181_1182	1181	1182	113.634	-7.299	-0.24	0.118	-2.681	499.245	1
1182_1182	1182	1182	8.616	-1.111	0.026	0.066	0.333	125.306	1
1182_1183	1182	1183	107.201	-4.622	-0.245	0.078	-4.754	439.523	1
1183_1183	1183	1183	15.615	-21.605	0.024	-0.214	-0.403	294.544	1
1183_1184	1183	1184	98.797	-1.799	-0.283	-0.044	-8.407	361.307	1
1184_1184	1184	1184	98.07	34.009	-0.172	0.542	3.104	988.157	1
1184_1185	1184	1185	31.098	5.392	0.014	0.072	-0.291	233.386	1
1185_1185	1185	1185	90.411	30.784	-0.149	0.335	0.866	691.132	1
1185_1186	1185	1186	32.353	-33.509	0.111	-0.192	0.055	492.843	1
1186_1186	1186	1186	78.298	26.692	0.064	0.374	-0.726	449.411	1
1186_1187	1186	1187	60.17	-30.12	-0.079	-0.179	-0.433	634.729	1
1187_1187	1187	1187	61.037	21.363	0.047	0.175	0.246	244.785	1
1187_1188	1187	1188	89.857	-26.576	-0.081	-0.147	-1.111	711.063	1
1188_1188	1188	1188	50.541	5.458	0.005	-0.006	-2.092	377.153	1
1188_1189	1188	1189	103.824	-25.496	-0.043	-0.075	-1.404	785.538	1
1189_1189	1189	1189	48.256	5.457	0.005	-0.001	-1.918	350.863	1
1189_1190	1189	1190	121.204	-20.331	-0.048	-0.135	-1.925	906.104	1
1190_1190	1190	1190	40.904	5.29	0.011	0.029	-1.851	302.399	1
1190_1191	1190	1191	132.25	-18.597	-0.005	-0.006	-2.005	983.261	1
1191_1191	1191	1191	35.309	5.04	0.011	0.01	-1.72	256.727	1
1191_1192	1191	1192	140.156	-29.31	-0.014	-0.237	-2.177	1043.875	1
1192_1192	1192	1192	29.939	4.683	0.011	0.021	-1.551	212.43	1
1192_1193	1192	1193	146.252	-27.947	-0.006	-0.134	-2.228	1082.316	1
1193_1193	1193	1193	25.455	4.124	0.011	0.029	-1.32	166.516	1
1193_1194	1193	1194	147.933	-23.596	-0.004	-0.105	-2.26	1091.645	1
1194_1194	1194	1194	29.647	-6.075	-0.018	-0.034	-1.711	192.857	1
1194_1195	1194	1195	148.577	-22.415	-0.016	-0.032	-2.419	1093.175	1
1195_1195	1195	1195	35.971	-6.514	-0.019	-0.038	-1.987	244.148	1
1195_1196	1195	1196	145.326	-18.224	-0.016	-0.078	-2.57	1068.637	1
1196_1196	1196	1196	42.68	-7.008	-0.02	-0.011	-2.253	298.227	1
1196_1197	1196	1197	140.166	-16.563	-0.005	0.074	-2.6	1030.147	1
1197_1197	1197	1197	50.363	-7.166	-0.02	-0.037	-2.487	352.104	1
1197_1198	1197	1198	131.491	-12.326	-0.008	-0.042	-2.64	967.379	1
1198_1198	1198	1198	58.158	-7.484	-0.007	-0.001	-2.711	405.364	1
1198_1199	1198	1199	119.006	-9.719	0.042	0.078	-1.981	875.973	1
1199_1199	1199	1199	66.521	-7.477	-0.007	0.018	-3.027	464.033	1
1199_1200	1199	1200	103.351	-6.847	0.039	0.065	-1.804	794.936	1
1200_1200	1200	1200	70.874	-7.392	0.004	0.053	-3.085	505.092	1
1200_1201	1200	1201	80.295	-4.576	0.06	0.143	-1.154	700.753	1
1201_1201	1201	1201	65.126	-7.591	0.006	0.214	-4.629	608.494	1
1201_1202	1201	1202	44.247	-1.3	0.07	0.169	-1.111	615.42	1
1202_1202	1202	1202	70.432	-22.833	0.192	-0.446	0.857	393.267	1
1202_1203	1202	1203	25.637	-1.796	-0.008	0.069	-2.613	276.711	1
1203_1203	1203	1203	82.145	-26.42	0.233	-0.672	3.504	621.024	1
1203_1204	1203	1204	24.592	-3.639	-0.007	-0.098	0.583	201.195	1
1204_1204	1204	1204	33.718	27.7	-0.071	0.351	0.721	463.672	1
1204_1205	1204	1205	108.159	-27.974	0.454	0.014	-9.832	510.864	1
1205_1205	1205	1205	15.01	23.008	-0.003	0.226	-1.496	325.288	1
1205_1206	1205	1206	114.139	-25.41	0.403	-0.173	-5.265	571.31	1
1206_1206	1206	1206	10.002	0.307	-0.072	-0.084	1.831	104.752	1

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1206_1207	1206	1207	118.196	-22.656	0.386	-0.22	-1.809	616.491	1
1207_1207	1207	1207	9.791	0.264	-0.064	-0.075	1.183	98.374	1
1207_1208	1207	1208	121.673	-20.323	0.072	-0.037	-0.914	655.863	1
1208_1208	1208	1208	9.6	0.264	-0.063	-0.061	0.674	97.022	1
1208_1209	1208	1209	123.829	-17.087	0.059	0.003	-0.187	684.209	1
1209_1209	1209	1209	9.415	0.25	-0.061	-0.059	0.146	93.028	1
1209_1210	1209	1210	125.136	-13.573	0.05	-0.05	0.387	702.877	1
1210_1210	1210	1210	9.236	0.18	-0.057	-0.056	-0.353	89.65	1
1210_1211	1210	1211	126.032	-12.676	0.012	0.026	0.503	714.067	1
1211_1211	1211	1211	9.139	0.18	-0.056	-0.039	-0.693	88.96	1
1211_1212	1211	1212	127.223	-24.365	-0.011	-0.014	0.509	717.565	1
1212_1212	1212	1212	9.042	0.18	-0.056	-0.039	-1.029	88.27	1
1212_1213	1212	1213	127.59	-21.578	-0.013	-0.054	0.397	713.722	1
1213_1213	1213	1213	8.946	0.18	-0.057	-0.056	-1.364	87.58	1
1213_1214	1213	1214	127.293	-18.925	-0.01	-0.213	0.284	702.947	1
1214_1214	1214	1214	8.86	0.128	-0.057	-0.03	-1.64	80.414	1
1214_1215	1214	1215	126.633	-17.102	-0.066	0.061	-0.357	683.895	1
1215_1215	1215	1215	8.768	0.128	-0.058	-0.042	-2.098	79.757	1
1215_1216	1215	1216	125.12	-13.867	-0.069	-0.09	-1.115	655.341	1
1216_1216	1216	1216	8.675	0.128	-0.057	-0.03	-2.558	79.1	1
1216_1217	1216	1217	122.317	-10.897	-0.082	-0.047	-2.043	615.754	1
1217_1217	1217	1217	8.582	0.114	-0.05	-0.02	-3.016	78.446	1
1217_1218	1217	1218	118.857	-8.728	-0.39	0.139	-5.414	570.089	1
1218_1218	1218	1218	8.926	-0.585	-0.038	-0.037	-0.345	-28.258	1
1218_1219	1218	1219	114.27	-6.214	-0.402	0.082	-8.965	517.527	1
1219_1219	1219	1219	16.218	-22.444	-0.011	-0.276	-1.917	330.096	1
1219_1220	1219	1220	108.025	-3.539	-0.426	-0.035	-13.818	435.994	1
1220_1220	1220	1220	89.427	34.601	-0.245	0.578	6.455	951.019	1
1220_1221	1220	1221	33.373	5.875	0.015	0.066	1.09	237.802	1
1221_1221	1221	1221	81.082	30.263	-0.222	0.794	3.217	650.258	1
1221_1222	1221	1222	45.125	-34.502	0.185	-0.227	-0.445	599.513	1
1222_1222	1222	1222	68.871	26.083	0.071	0.561	0.852	408.518	1
1222_1223	1222	1223	74.917	-30.982	-0.104	-0.544	-1.172	750.104	1
1223_1223	1223	1223	76.23	6.248	-0.011	0.049	-2.619	562.675	1
1223_1224	1223	1224	110.895	-27.586	-0.071	-0.129	-1.477	809.619	1
1224_1224	1224	1224	76.062	6.799	0.012	-0.138	-2.749	506.541	1
1224_1225	1224	1225	125.672	-25.676	-0.039	-0.329	-1.764	885.42	1
1225_1225	1225	1225	68.316	6.937	0.015	0.089	-2.905	495.309	1
1225_1226	1225	1226	135.292	-19.843	-0.043	-0.155	-2.661	1077.117	1
1226_1226	1226	1226	57.917	7.002	0.015	-0.076	-2.659	422.976	1
1226_1227	1226	1227	145.616	-17.135	0	-0.46	-2.744	1159.371	1
1227_1227	1227	1227	50.174	6.861	0.017	0.158	-2.459	362.931	1
1227_1228	1227	1228	152.026	-12.248	0.011	0.152	-2.644	1211.854	1
1228_1228	1228	1228	42.528	6.719	0.015	0.021	-2.227	303.946	1
1228_1229	1228	1229	155.175	-9.664	-0.006	-0.205	-2.741	1239.933	1
1229_1229	1229	1229	35.146	6.38	0.015	0.121	-1.981	242.314	1
1229_1230	1229	1230	152.912	-4.664	0	0.201	-2.758	1228.432	1
1230_1230	1230	1230	40.083	-7.381	0	-0.166	-2.235	310.699	1
1230_1231	1230	1231	147.559	-18.237	0.027	-0.23	-2.398	1191.478	1
1231_1231	1231	1231	48.691	-7.796	0.004	-0.011	-2.282	384.498	1
1231_1232	1231	1232	138.09	-13.727	0.035	0.141	-1.892	1120.677	1
1232_1232	1232	1232	57.621	-8.146	0.014	-0.212	-2.229	456.651	1
1232_1233	1232	1233	129.707	-12.032	0.069	-0.173	-1.14	1056.201	1
1233_1233	1233	1233	65.038	-8.223	0.018	0.003	-2.076	511.332	1
1233_1234	1233	1234	117.473	-8.309	0.072	0.141	-0.265	961.489	1
1234_1234	1234	1234	72.861	-8.27	0.037	0.268	-3.009	580.793	1
1234_1235	1234	1235	111.588	-7.299	0.13	0.491	-0.043	939.605	1
1235_1235	1235	1235	75.019	-7.982	-0.074	-0.039	-2.898	597.806	1
1235_1236	1235	1236	97.478	-5.89	-0.156	0.041	-1.264	880.302	1
1236_1236	1236	1236	75.995	-8.132	-0.072	0.086	-3.386	644.483	1
1236_1237	1236	1237	79.601	-3.314	-0.139	0.145	-2.725	785.134	1
1237_1237	1237	1237	64.504	-8.349	-0.103	0.729	-6.301	771.205	1
1237_1238	1237	1238	55.067	-2.644	-0.194	0.74	-5.093	815.367	1
1238_1238	1238	1238	63.088	-9.417	0.498	0.084	-6.836	805.467	1
1238_1239	1238	1239	37.078	-2.941	0.801	1.239	3.599	705.356	1
1239_1239	1239	1239	67.705	-25.528	-0.359	-0.668	-0.034	497.013	1
1239_1240	1239	1240	25.736	-0.91	0.058	0.21	-2.147	279.555	1
1240_1240	1240	1240	75.697	-24.607	0.775	-2.149	-5.207	713.497	1
1240_1241	1240	1241	23.356	-1.121	-0.161	0.504	-4.033	297.589	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1241_1241	1241	1241	18.226	25.264	0.041	0.485	-1.592	536.815	1
1241_1242	1241	1242	120.998	-21.771	-0.577	-2.214	-15.208	685.435	1
1242_1242	1242	1242	11.122	1.285	-0.052	-0.121	-0.674	-25.536	1
1242_1243	1242	1243	121.783	-20.777	-0.547	-1.982	-15.903	694.381	1
1243_1243	1243	1243	10.766	1.129	0.089	0.103	-0.839	-28.254	1
1243_1244	1243	1244	124.195	-21.651	0.75	-0.261	-8.247	742.435	1
1244_1244	1244	1244	9.97	1.115	0.077	0.078	-0.009	-34.259	1
1244_1245	1244	1245	125.984	-18.275	0.695	0.054	-0.122	781.561	1
1245_1245	1245	1245	9.088	1.047	0.026	0.105	0.79	-41.408	1
1245_1246	1245	1246	127.27	-15.553	0.138	-0.169	1.685	809.123	1
1246_1246	1246	1246	8.31	1.025	0.014	0.072	1.009	-46.22	1
1246_1247	1246	1247	127.809	-11.735	0.105	0.191	3.065	824.967	1
1247_1247	1247	1247	7.539	0.973	-0.002	0.09	1.116	-51.516	1
1247_1248	1247	1248	129.479	-24.994	0.018	-0.323	3.285	829.073	1
1248_1248	1248	1248	7.306	0.046	0.057	0.087	-0.737	80.57	1
1248_1249	1248	1249	130.773	-20.807	0.008	-0.174	3.163	821.939	1
1249_1249	1249	1249	7.274	0.05	0.029	0.057	-0.139	80.209	1
1249_1250	1249	1250	131.193	-17.441	-0.469	-0.42	-2.037	799.296	1
1250_1250	1250	1250	7.234	0.047	0.029	0.115	0.135	77.028	1
1250_1251	1250	1251	130.801	-14.269	-0.491	0.039	-6.867	767.582	1
1251_1251	1251	1251	7.186	-0.225	0.086	0.064	0.402	76.704	1
1251_1252	1251	1252	131.869	-14.158	-0.313	-0.329	-10.092	743.202	1
1252_1252	1252	1252	7.365	-0.231	0.091	0.116	1.35	81.12	1
1252_1253	1252	1253	130.723	-10.517	-0.423	-0.045	-15.545	694.579	1
1253_1253	1253	1253	7.872	-19.681	-0.249	-0.434	-6.484	425.463	1
1253_1254	1253	1254	130.522	-9.558	-0.422	-0.191	-16.778	674.919	1
1254_1254	1254	1254	12.831	-21.325	0.137	0.211	-5.91	455.996	1
1254_1255	1254	1255	130.898	-11.692	0.366	3.537	-15.256	658.687	1
1255_1255	1255	1255	82.934	29.653	-0.923	2.118	9.855	1001.941	1
1255_1256	1255	1256	39.201	5.355	-0.048	0.257	1.008	303.845	1
1256_1256	1256	1256	79.877	28.132	-0.876	2.116	2.382	815.657	1
1256_1257	1256	1257	39.007	5.794	-0.055	0.351	0.598	267.536	1
1257_1257	1257	1257	75.978	27.986	-0.072	0.509	-3.064	661.289	1
1257_1258	1257	1258	47.909	-33.856	-0.088	-0.367	6.48	757.396	1
1258_1258	1258	1258	66.914	25.029	-0.071	0.767	-2.918	453.474	1
1258_1259	1258	1259	73.522	-30.682	-0.023	-0.293	7.013	904.846	1
1259_1259	1259	1259	85.493	7.951	-0.188	-0.146	0.191	715.641	1
1259_1260	1259	1260	113.263	-28.236	-0.384	-0.258	1.151	919.933	1
1260_1260	1260	1260	85.37	8.23	-0.183	0.001	-1.864	647.777	1
1260_1261	1260	1261	128.839	-25.086	-0.402	-0.165	-2.475	1004.292	1
1261_1261	1261	1261	83.551	8.427	-0.138	0.046	-2.719	559.001	1
1261_1262	1261	1262	137.971	-23.793	-0.308	-0.15	-2.864	971.725	1
1262_1262	1262	1262	80.981	8.588	0.022	-0.093	-3.156	542.989	1
1262_1263	1262	1263	149.569	-21.01	0.006	-0.337	-2.901	1054.941	1
1263_1263	1263	1263	71.942	8.588	0.024	0.086	-2.907	485.978	1
1263_1264	1263	1264	158.962	-16.895	0.015	-0.043	-2.811	1123.483	1
1264_1264	1264	1264	62.278	8.421	0.016	-0.02	-2.62	422.506	1
1264_1265	1264	1265	166.332	-14.37	0.006	-0.253	-2.799	1177.785	1
1265_1265	1265	1265	53.077	8.369	0.018	0.117	-2.438	362.855	1
1265_1266	1265	1266	169.409	-10.062	0.017	0.102	-2.621	1203.824	1
1266_1266	1266	1266	44.036	8.184	0.017	0.047	-2.225	303.16	1
1266_1267	1266	1267	169.773	-7.448	0.016	-0.07	-2.427	1211.708	1
1267_1267	1267	1267	35.112	7.857	0.019	0.104	-1.959	239.589	1
1267_1268	1267	1268	165.329	-3.062	0.027	0.157	-2.06	1187.995	1
1268_1268	1268	1268	35.348	-8.247	0.011	-0.145	-1.765	325.601	1
1268_1269	1268	1269	156.489	0.344	0.044	0.01	-1.368	1135.491	1
1269_1269	1269	1269	45.555	-8.271	0.017	-0.011	-1.611	390.779	1
1269_1270	1269	1270	145.301	-12.536	0.066	0.144	-0.235	1062.754	1
1270_1270	1270	1270	54.523	-8.15	-0.091	-0.125	-1.415	447.344	1
1270_1271	1270	1271	135.286	-10.294	-0.223	-0.051	-2.242	995.775	1
1271_1271	1271	1271	61.595	-8.15	-0.086	0.007	-2.247	491.959	1
1271_1272	1271	1272	121.336	-6.988	-0.198	0.127	-4.283	901.026	1
1272_1272	1272	1272	63.736	-8.206	-0.111	0.22	-4.368	595.653	1
1272_1273	1272	1273	104.708	-5.845	-0.25	0.45	-6.664	940.37	1
1273_1273	1273	1273	66.303	-9.549	-0.015	-0.09	-4.834	618.735	1
1273_1274	1273	1274	92.908	-7.886	0.068	0.013	-5.604	883.016	1
1274_1274	1274	1274	69.729	-9.603	-0.011	0.106	-4.949	672.957	1
1274_1275	1274	1275	77.74	-5.621	0.048	0.174	-4.882	818.37	1
1275_1275	1275	1275	58.433	-10.088	-0.003	0.873	-7.729	799.507	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1275_1276	1275	1276	57.096	-4.913	0.071	0.973	-7.043	853.938	1
1276_1276	1276	1276	58.698	-19.538	-0.784	-1.014	6.153	360.841	1
1276_1277	1276	1277	38.037	-4.847	1.401	-0.031	9.64	745.396	1
1277_1277	1277	1277	69.324	-23.386	-0.959	-0.503	-4.333	533.786	1
1277_1278	1277	1278	26.748	-6.402	-0.324	-0.031	-5.193	301.148	1
1278_1278	1278	1278	76.977	-21.878	1.778	-2.66	-19.003	769.012	1
1278_1279	1278	1279	26.002	-5.154	0.454	-0.819	-0.927	344.231	1
1279_1279	1279	1279	17.016	26.182	-0.148	0.404	-1.494	543.123	1
1279_1280	1279	1280	116.981	-21.422	-1.142	-2.008	-10.11	706.783	1
1280_1280	1280	1280	6.764	1.495	-0.175	-0.232	-0.89	-32.603	1
1280_1281	1280	1281	117.824	-19.807	-1.002	-1.683	-14.288	704.676	1
1281_1281	1281	1281	7.529	1.246	0.217	0.099	-3.698	-48.919	1
1281_1282	1281	1282	109.312	-17.828	0.977	-0.328	-11.737	775.82	1
1282_1282	1282	1282	6.502	1.202	0.192	0.048	-0.941	-55.337	1
1282_1283	1282	1283	108.305	-13.667	0.769	0.146	-0.558	784.777	1
1283_1283	1283	1283	5.515	1.069	-0.029	0.115	1.392	-65.985	1
1283_1284	1283	1284	111.765	-27.989	0.029	-0.503	-0.504	795.878	1
1284_1284	1284	1284	4.637	1.039	-0.043	0.045	0.952	-71.516	1
1284_1285	1284	1285	116.132	-23.527	-0.008	0.004	-0.428	810.72	1
1285_1285	1285	1285	3.881	0.885	0.119	0.097	0.394	-74.279	1
1285_1286	1285	1286	120.738	-21.332	-0.155	-0.506	-1.914	816.559	1
1286_1286	1286	1286	3.5	-0.346	-0.127	-0.01	-4.111	132.219	1
1286_1287	1286	1287	123.924	-17.327	-0.27	-0.015	-5.177	801.063	1
1287_1287	1287	1287	3.744	-0.204	-0.047	-0.111	-5.431	134.846	1
1287_1288	1287	1288	130.225	-21.749	-0.455	-0.552	-13.027	758.366	1
1288_1288	1288	1288	3.939	-0.247	-0.045	0.02	-6.665	151.013	1
1288_1289	1288	1289	133.829	-18.436	-0.59	-0.024	-21.322	733.532	1
1289_1289	1289	1289	4.134	-18.664	0.348	-0.088	-10.782	461.426	1
1289_1290	1289	1290	135.208	-19.18	1.004	0.98	-18.088	725.628	1
1290_1290	1290	1290	6.852	-20.176	0.336	0.058	-8.482	514.309	1
1290_1291	1290	1291	138.013	-16.653	1.107	1.346	-9.675	713.79	1
1291_1291	1291	1291	49.42	8.223	1.191	-2.084	-3.079	1271	1
1291_1292	1291	1292	21.704	-34.647	1.67	-2.581	16.969	622.929	1
1292_1292	1292	1292	54.018	6.571	-0.392	-1.007	5.598	1209.192	1
1292_1293	1292	1293	42.444	-36.234	-0.848	-0.674	7.215	865.22	1
1293_1293	1293	1293	62.302	6.481	-0.387	0.461	0.377	1121.695	1
1293_1294	1293	1294	63.906	-33.578	-0.819	0.042	-1.333	1068.296	1
1294_1294	1294	1294	67.352	7.168	-0.01	-1.233	-3.865	1051.487	1
1294_1295	1294	1295	77.089	-31.854	-0.074	-1.474	-1.229	1191.753	1
1295_1295	1295	1295	80.051	7.167	-0.005	0.011	-2.715	932.609	1
1295_1296	1295	1296	105.677	-49.032	-0.097	-0.273	-0.919	1246.423	1
1296_1296	1296	1296	78.558	7.321	-0.004	0.215	-2.748	893.441	1
1296_1297	1296	1297	119.396	-46.127	-0.101	-0.117	-1.885	1392.979	1
1297_1297	1297	1297	74.578	7.115	-0.028	-0.443	-2.798	847.762	1
1297_1298	1297	1298	125.452	-46.662	-0.034	-1.061	-2.107	1460.751	1
1298_1298	1298	1298	61.773	7.173	-0.041	-0.341	-4.483	889.532	1
1298_1299	1298	1299	115.911	-44.228	-0.029	-1.231	-3.759	1711.949	1
1299_1299	1299	1299	58.506	7.173	-0.038	0.472	-4.83	844.325	1
1299_1300	1299	1300	127.824	-40.153	0.008	0.166	-3.839	1880.186	1
1300_1300	1300	1300	53.901	7.032	0.067	-0.343	-5.327	778.483	1
1300_1301	1300	1301	139.017	-37.85	0.089	-1.609	-2.699	2037.462	1
1301_1301	1301	1301	48.922	7.032	0.07	0.512	-4.447	709.568	1
1301_1302	1301	1302	145.6	-33.855	0.112	0.601	-1.389	2129.301	1
1302_1302	1302	1302	44.641	6.823	0.067	-0.243	-3.656	649.908	1
1302_1303	1302	1303	151.225	-31.674	0.063	-1.673	-0.61	2206.513	1
1303_1303	1303	1303	39.707	6.813	0.071	0.576	-2.757	581.146	1
1303_1304	1303	1304	153.007	-9.816	0.073	1.526	0.121	2231.84	1
1304_1304	1304	1304	35.676	6.574	0.094	-0.078	-1.981	523.887	1
1304_1305	1304	1305	154.371	-8.004	0.075	-1.022	1.213	2249.938	1
1305_1305	1305	1305	31.077	6.532	0.097	0.468	-0.759	458.276	1
1305_1306	1305	1306	151.723	-3.802	0.094	1.499	2.397	2211.199	1
1306_1306	1306	1306	27.063	6.227	0.135	0.023	0.343	401.196	1
1306_1307	1306	1307	147.054	-2.426	0.091	-0.669	3.427	2142.767	1
1307_1307	1307	1307	23.11	6.177	0.137	0.383	1.93	344.372	1
1307_1308	1307	1308	137.221	2.514	0.106	1.383	4.631	2000.704	1
1308_1308	1308	1308	18.944	5.841	0.087	0.107	3.623	283.455	1
1308_1309	1308	1309	124.548	4.647	0.079	-0.303	5.228	1817.416	1
1309_1309	1309	1309	15.196	5.612	0.088	0.355	4.563	224.393	1
1309_1310	1309	1310	106.033	9.958	0.1	1.533	6.06	1550.749	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1310_1310	1310	1310	11.592	5.276	0.114	0.144	5.313	163.068	1
1310_1311	1310	1311	82.307	19.75	-0.201	0.29	3.152	1216.01	1
1311_1311	1311	1311	8.146	4.541	0.191	0.22	7.132	101.318	1
1311_1312	1311	1312	52.036	25.781	-0.159	1.362	0.749	781.951	1
1312_1312	1312	1312	5.247	3.477	-0.555	0.019	9.96	52.309	1
1312_1313	1312	1313	4.439	-5.432	0.027	-0.412	0	18.394	1
1400_1020	1400	1020	104.169	-8.618	13.429	0.318	-112.698	-75.446	1
1400_1401	1400	1401	21.322	1.331	-0.492	-0.04	16.12	106.554	1
1401_1401	1401	1401	104.212	-7.916	4.293	-1.113	-58.079	-40.144	1
1401_1402	1401	1402	21.28	1.415	-1.071	0.347	12.202	101.604	1
1402_1402	1402	1402	104.369	-5.397	4.379	-0.061	-43.108	-12.53	1
1402_1403	1402	1403	21.24	1.928	-1.053	-0.033	0.684	80.551	1
1403_1403	1403	1403	99.718	-2.349	-0.117	-0.227	3.592	46.392	1
1403_1404	1403	1404	21.591	2.649	-0.092	0.056	0.137	62.171	1
1404_1404	1404	1404	99.746	-0.027	-0.177	-0.253	2.757	63.326	1
1404_1405	1404	1405	21.524	3.151	-0.106	0.09	-0.613	39.44	1
1405_1405	1405	1405	93.537	3.124	-0.135	-0.178	0.583	63.519	1
1405_1406	1405	1406	22.954	4.021	0.086	0.079	0.696	-18.449	1
1406_1406	1406	1406	88.326	6.222	-0.415	-0.197	-2.169	18.492	1
1406_1407	1406	1407	24.396	4.895	1.078	0.155	10.297	-61.841	1
1407_1407	1407	1407	88.176	8.072	-0.463	-0.094	-5.858	-36.644	1
1407_1408	1407	1408	24.288	5.405	1.064	-0.093	16.195	-91.882	1
1408_1408	1408	1408	94.346	-7.263	-4.268	0.239	14.92	-157.962	1
1408_1409	1408	1409	27.732	-0.164	-1.403	1.317	12.473	-91.542	1
1409_1409	1409	1409	94.53	8.047	-4.137	-0.198	2.02	-135.945	1
1409_1410	1409	1410	27.739	0.382	-0.605	-1.275	10.637	-93.102	1
1410_1410	1410	1410	99.815	-12.126	0.667	0.151	-9.592	-160.246	1
1410_1411	1410	1411	27.272	-5.348	-0.666	0.208	6.666	-63.23	1
1411_1411	1411	1411	100.047	-10.042	0.488	0.115	-5.813	-92.858	1
1411_1412	1411	1412	27.376	-4.778	-0.717	-0.04	0.364	-20.894	1
1412_1412	1412	1412	106.244	-6.545	0.082	0.144	-0.597	-3.883	1
1412_1413	1412	1413	28.483	-3.825	-0.052	0.042	-0.189	34.246	1
1413_1413	1413	1413	113.436	-3.047	-0.157	0.257	1.542	90.459	1
1413_1414	1413	1414	29.629	-2.854	-0.192	0.051	-1.379	54.774	1
1414_1414	1414	1414	113.476	-0.405	-0.082	0.173	0.443	112.425	1
1414_1415	1414	1415	29.688	-2.163	-0.172	0.047	-2.604	70.359	1
1415_1415	1415	1415	118.415	3.07	-4.055	-0.152	0.919	115.352	1
1415_1416	1415	1416	28.874	-1.224	-1.734	-0.271	-21.417	83.595	1
1416_1416	1416	1416	118.261	5.856	-5.285	1.726	-43.611	81.675	1
1416_1417	1416	1417	28.875	-0.542	-2.039	1.111	-28.756	85.416	1
1417_1417	1417	1417	118.189	6.674	-10.724	-0.222	-61.799	61.306	1
1417_1036	1417	1036	28.899	-0.379	0.635	0.002	-26.534	86.982	1
1420_1056	1420	1056	113.179	-7.564	11.167	0.204	-88.738	-19.767	1
1420_1421	1420	1421	28.522	-0.039	-0.665	-0.009	-17.256	65.394	1
1421_1421	1421	1421	113.094	-6.908	3.359	-0.867	-43.392	11.2	1
1421_1422	1421	1422	28.538	0.053	1.163	-0.311	-13.012	65.21	1
1422_1422	1422	1422	113.228	-4.221	3.309	-0.099	-31.69	35.28	1
1422_1423	1422	1423	28.529	0.731	1.15	0.027	-0.447	57.231	1
1423_1423	1423	1423	107.148	-0.976	-0.122	-0.229	3.158	81.383	1
1423_1424	1423	1424	28.313	1.582	0.064	-0.068	-0.257	45.84	1
1424_1424	1424	1424	107.142	1.469	-0.232	-0.19	2.307	88.415	1
1424_1425	1424	1425	28.27	2.228	0.034	-0.015	0.002	29.768	1
1425_1425	1425	1425	99.656	4.761	0.022	-0.145	0.419	77.812	1
1425_1426	1425	1426	26.584	3.112	-0.008	-0.032	-0.387	-15.084	1
1426_1426	1426	1426	93.386	7.754	-0.228	-0.119	-1.049	10.957	1
1426_1427	1426	1427	24.949	3.978	0.789	0.044	6.324	-50.337	1
1427_1427	1427	1427	93.203	9.703	-0.416	-0.166	-3.118	-57.736	1
1427_1428	1427	1428	24.862	4.499	0.737	-0.185	10.376	-75.34	1
1428_1428	1428	1428	87.865	-8.268	-3.982	0.269	14.214	-112.828	1
1428_1429	1428	1429	24.66	-0.634	0.859	1.542	13.045	-73.414	1
1429_1429	1429	1429	88.032	9.058	-3.857	-0.233	2.184	-87.759	1
1429_1430	1429	1430	24.609	0.57	1.721	-1.525	18.251	-75.464	1
1430_1430	1430	1430	93.739	-9.402	0.638	0.113	-8.776	-105.14	1
1430_1431	1430	1431	22.39	-3.989	-0.753	0.175	6.483	-45.037	1
1431_1431	1431	1431	93.915	-7.45	0.499	0.146	-5.193	-52.899	1
1431_1432	1431	1432	22.467	-3.522	-0.788	-0.025	-0.466	-13.839	1
1432_1432	1432	1432	99.906	-4.42	-0.043	0.15	0.181	11.394	1
1432_1433	1432	1433	23.181	-2.738	0.01	0.042	-0.145	25.725	1
1433_1433	1433	1433	107.191	-1.109	0.266	0.17	0.643	75.101	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1433_1434	1433	1434	24.003	-1.954	0.021	0.017	0.185	39.817	1
1434_1434	1434	1434	107.188	1.379	0.075	0.258	2.514	83.101	1
1434_1435	1434	1435	24.042	-1.396	-0.022	0.083	0.002	49.878	1
1435_1435	1435	1435	112.836	4.904	-3.485	0.089	4.542	67.511	1
1435_1436	1435	1436	22.986	-0.642	-1.666	-0.065	-18.028	56.66	1
1436_1436	1436	1436	112.683	7.551	-3.679	0.9	-33.529	13.909	1
1436_1437	1436	1437	22.992	-0.101	-1.706	0.457	-23.995	57.004	1
1437_1437	1437	1437	112.617	8.269	-11.122	-0.22	-46.014	-12.336	1
1437_1072	1437	1072	22.997	-0.019	0.634	-0.035	-21.826	57.103	1
1440_1094	1440	1094	114.487	-8.012	10.832	0.209	-77.728	-33.364	1
1440_1441	1440	1441	26.281	0.027	-0.488	0.028	-18.851	64.536	1
1441_1441	1441	1441	114.389	-7.361	2.684	-0.788	-33.83	-0.537	1
1441_1442	1441	1442	26.315	0.129	1.335	-0.325	-13.804	64.093	1
1442_1442	1442	1442	114.533	-4.615	2.685	-0.201	-24.477	25.147	1
1442_1443	1442	1443	26.304	0.76	1.335	0.006	0.776	55.795	1
1443_1443	1443	1443	108.291	-1.155	-0.221	-0.226	3.427	79.288	1
1443_1444	1443	1444	26.806	1.6	-0.044	-0.053	0.287	44.714	1
1444_1444	1444	1444	108.289	1.315	-0.206	-0.28	1.828	87.606	1
1444_1445	1444	1445	26.763	2.211	-0.04	-0.066	-0.004	28.769	1
1445_1445	1445	1445	101.1	4.63	0.069	-0.176	-0.752	78.123	1
1445_1446	1445	1446	25.714	3.075	-0.031	-0.05	-0.66	-15.571	1
1446_1446	1446	1446	95.135	7.809	-0.197	-0.148	-0.759	12.5	1
1446_1447	1446	1447	24.774	3.955	0.767	0.016	5.889	-50.627	1
1447_1447	1447	1447	94.954	9.765	-0.343	-0.18	-2.546	-56.659	1
1447_1448	1447	1448	24.688	4.464	0.728	-0.179	9.901	-75.444	1
1448_1448	1448	1448	89.633	-9.186	3.123	0.915	-5.417	-114.5	1
1448_1449	1448	1449	25.237	-0.81	0.153	1.9	10.579	-73.125	1
1449_1449	1449	1449	89.388	8.532	4.744	-0.91	3.991	-87.025	1
1449_1450	1449	1450	25.173	0.67	1.419	-1.948	14.879	-75.318	1
1450_1450	1450	1450	89.954	-9.048	0.816	0.047	-11.916	-101.177	1
1450_1451	1450	1451	22.136	-4.473	-1.082	0.023	8.417	-50.411	1
1451_1451	1451	1451	90.12	-7.196	0.845	0.214	-7.383	-50.874	1
1451_1452	1451	1452	22.224	-4.017	-1.074	-0.135	-1.107	-14.83	1
1452_1452	1452	1452	96.272	-4.046	-0.13	0.174	1.089	12.871	1
1452_1453	1452	1453	21.036	-3.195	0.06	-0.086	-0.191	31.576	1
1453_1453	1453	1453	103.727	-1.134	0.191	0.264	0.354	73.156	1
1453_1454	1453	1454	19.686	-2.415	-0.025	-0.086	-0.407	49	1
1454_1454	1454	1454	103.727	1.142	0.182	0.232	1.735	81.338	1
1454_1455	1454	1455	19.734	-1.983	-0.027	-0.073	-0.601	63.241	1
1455_1455	1455	1455	110.592	4.425	-2.315	0.213	4.45	73.149	1
1455_1456	1455	1456	19.295	-1.26	0.774	-0.034	7.73	76.103	1
1456_1456	1456	1456	110.456	7.019	-2.411	0.725	-20.883	24.719	1
1456_1457	1456	1457	19.32	-0.807	0.757	-0.148	10.349	78.92	1
1457_1457	1457	1457	110.503	7.66	-10.759	-0.169	-28.635	0.248	1
1457_1110	1457	1110	19.368	-0.737	0.403	0.034	12.365	81.932	1
1460_1132	1460	1132	133.461	-10.497	8.824	0.133	-61.821	-39.749	1
1460_1461	1460	1461	33.1	-0.96	-0.875	0.025	-17.189	65.017	1
1461_1461	1461	1461	133.379	-9.776	1.87	-0.63	-26.238	3.229	1
1461_1462	1461	1462	33.127	-0.815	1.16	-0.239	-12.758	67.859	1
1462_1462	1462	1462	133.573	-6.574	1.99	-0.191	-19.735	37.324	1
1462_1463	1462	1463	33.135	-0.02	1.19	0.005	0.218	68.076	1
1463_1463	1463	1463	129.526	-2.452	-0.131	-0.039	-0.061	116.624	1
1463_1464	1463	1464	34.614	0.965	-0.022	0.034	-0.488	61.358	1
1464_1464	1464	1464	129.548	0.557	0.244	-0.405	-1.145	134.296	1
1464_1465	1464	1465	34.582	1.768	0.08	-0.132	0.029	48.604	1
1465_1465	1465	1465	124.201	4.715	-0.017	-0.11	-0.555	130.277	1
1465_1466	1465	1466	34.418	2.949	-0.016	-0.025	-0.411	6.109	1
1466_1466	1466	1466	119.725	8.935	0.647	-0.057	-1.793	62.324	1
1466_1467	1466	1467	34.306	4.164	0.367	-0.018	2.656	-30.766	1
1467_1467	1467	1467	119.514	11.393	0.883	-0.106	3.951	-16.801	1
1467_1468	1467	1468	34.212	4.867	0.436	-0.014	5.103	-57.819	1
1468_1468	1468	1468	116.568	-13.044	2.973	0.023	8.874	-81.672	1
1468_1469	1468	1469	35.038	-2.442	-0.064	0.688	5.03	-50.746	1
1469_1469	1469	1469	101.9	12.711	-3.195	0.321	15.364	0.131	1
1469_1470	1469	1470	27.876	2.341	-0.328	-0.455	3.438	-32.832	1
1470_1470	1470	1470	105.391	-8.484	-0.581	0.107	5.726	-33.291	1
1470_1471	1470	1471	27.708	-3.496	-0.289	0.016	1.756	-13.134	1
1471_1471	1471	1471	105.543	-6.315	-0.469	0.042	2.504	13.867	1
1471_1472	1471	1472	27.774	-2.926	-0.259	-0.006	-0.545	12.775	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1472_1472	1472	1472	109.903	-2.847	-0.001	0.094	-0.755	68.363	1
1472_1473	1472	1473	28.18	-1.935	0.012	0.007	-0.186	40.699	1
1473_1473	1473	1473	115.262	0.773	0.14	0.197	0.186	109.411	1
1473_1474	1473	1474	28.631	-0.98	-0.011	0.017	-0.09	47.769	1
1474_1474	1474	1474	115.214	3.402	0.127	0.181	1.198	103.834	1
1474_1475	1474	1475	28.646	-0.327	-0.015	0.025	-0.196	50.125	1
1475_1475	1475	1475	120.7	7.153	-1.561	0.202	3.418	73.386	1
1475_1476	1475	1476	28.417	0.554	-0.496	0.01	-5.441	43.919	1
1476_1476	1476	1476	120.495	10.047	-1.477	0.532	-13.619	-4.74	1
1476_1477	1476	1477	28.396	1.235	-0.476	0.109	-7.091	39.611	1
1477_1477	1477	1477	120.722	10.653	-9.483	-0.124	-18.009	-39.804	1
1477_1148	1477	1148	28.379	1.329	0.684	0.019	-4.345	34.166	1
1480_1168	1480	1168	122.597	-10.396	10.115	0.172	-58.954	-67.614	1
1480_1481	1480	1481	32.1	-1.264	-0.493	-0.021	-7.512	51.682	1
1481_1481	1481	1481	122.704	-9.696	1.24	-0.504	-18.367	-25.036	1
1481_1482	1481	1482	32.072	-1.156	0.441	-0.012	-5.881	55.718	1
1482_1482	1482	1482	122.897	-6.753	1.61	-0.194	-14.056	8.776	1
1482_1483	1482	1483	32.089	-0.387	0.539	-0.042	-0.042	59.942	1
1483_1483	1483	1483	117.057	-3.201	-0.174	-0.161	2.321	82.523	1
1483_1484	1483	1484	32.165	0.596	0.007	-0.018	-0.206	55.647	1
1484_1484	1484	1484	117.099	-0.48	-0.158	-0.2	1.057	105.597	1
1484_1485	1484	1485	32.143	1.343	0.012	-0.021	-0.126	45.962	1
1485_1485	1485	1485	111.312	3.263	0.013	-0.091	-1.077	109.05	1
1485_1486	1485	1486	31.483	2.439	-0.012	-0.006	-0.518	10.877	1
1486_1486	1486	1486	106.418	7.032	0.572	-0.04	-1.763	62.012	1
1486_1487	1486	1487	30.804	3.543	0.375	0.002	2.597	-20.513	1
1487_1487	1487	1487	106.249	9.216	0.781	-0.107	3.302	-0.256	1
1487_1488	1487	1488	30.723	4.174	0.437	-0.012	5.041	-43.714	1
1488_1488	1488	1488	102.327	-12.064	3.916	-0.282	7.658	-56.702	1
1488_1489	1488	1489	30.772	-2.254	0.656	0.565	7.072	-37.074	1
1489_1489	1489	1489	105.914	12.649	-3.711	0.147	19.248	-17.454	1
1489_1490	1489	1490	31.161	2.364	-0.121	-0.72	5.647	-47.878	1
1490_1490	1490	1490	109.57	-9.349	-0.746	0.116	7.971	-50.592	1
1490_1491	1490	1491	30.583	-4.151	-0.451	0.039	3.03	-24.811	1
1491_1491	1491	1491	109.74	-7.093	-0.629	0.036	3.824	1.37	1
1491_1492	1491	1492	30.663	-3.521	-0.418	0.002	-0.68	6.368	1
1492_1492	1492	1492	114.471	-3.206	0.003	0.091	-0.914	64.178	1
1492_1493	1492	1493	30.872	-2.427	0.02	0.018	-0.24	41.339	1
1493_1493	1493	1493	120.096	0.648	0.165	0.188	0.055	110.379	1
1493_1494	1493	1494	31.133	-1.363	0.027	0.03	0.112	51.17	1
1494_1494	1494	1494	120.049	3.439	0.148	0.174	1.247	105.704	1
1494_1495	1494	1495	31.157	-0.639	0.023	0.034	0.274	55.779	1
1495_1495	1495	1495	125.712	7.066	-1.616	0.185	3.457	80.916	1
1495_1496	1495	1496	30.463	0.32	-0.841	-0.007	-8.777	51.93	1
1496_1496	1496	1496	125.506	10.08	-1.642	0.526	-14.183	3.733	1
1496_1497	1496	1497	30.446	1.051	-0.848	0.214	-11.735	48.263	1
1497_1497	1497	1497	125.719	10.715	-9.967	-0.199	-19.224	-31.448	1
1497_1184	1497	1184	30.407	1.169	0.699	-0.002	-9.072	43.472	1
1500_1204	1500	1204	114.284	-8.209	11.943	0.426	-81.171	-35.837	1
1500_1501	1500	1501	21.824	-0.012	-0.208	-0.012	-10.405	51.373	1
1501_1501	1501	1501	114.463	-7.465	2.603	-0.831	-32.932	-2.269	1
1501_1502	1501	1502	21.799	0.051	0.684	-0.226	-7.972	51.186	1
1502_1502	1502	1502	114.613	-4.687	2.525	-0.236	-23.86	23.78	1
1502_1503	1502	1503	21.792	0.58	0.669	0.002	-0.664	44.859	1
1503_1503	1503	1503	107.608	-1.417	-0.121	-0.258	2.505	74.913	1
1503_1504	1503	1504	21.556	1.24	0.051	-0.043	-0.454	36.188	1
1504_1504	1504	1504	107.612	1.084	-0.106	-0.308	1.619	85.128	1
1504_1505	1504	1505	21.522	1.74	0.054	-0.038	-0.069	23.637	1
1505_1505	1505	1505	99.961	4.411	0.016	-0.187	-0.145	77.301	1
1505_1506	1505	1506	23.332	3.328	0.005	0.092	-0.492	-13.992	1
1506_1506	1506	1506	93.325	7.73	-0.568	-0.168	-0.789	13.688	1
1506_1507	1506	1507	25.042	4.236	1.248	0.173	10.639	-51.64	1
1507_1507	1507	1507	93.145	9.648	-0.669	-0.105	-5.85	-54.762	1
1507_1508	1507	1508	24.951	4.751	1.22	-0.099	17.395	-78.054	1
1508_1508	1508	1508	91.712	-9.155	-5.022	0.395	18.651	-103.194	1
1508_1509	1508	1509	28.503	-1.025	-1.832	2.163	12.294	-75.067	1
1509_1509	1509	1509	91.882	9.768	-4.77	-0.562	3.505	-75.409	1
1509_1510	1509	1510	28.522	1.102	-0.866	-2.203	9.698	-78.43	1
1510_1510	1510	1510	98.447	-9.825	0.724	0.132	-9.856	-104.779	1

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1510_1511	1510	1511	28.804	-4.892	-0.661	0.184	5.946	-51.187	1
1511_1511	1511	1511	98.63	-7.801	0.53	0.156	-5.783	-50.17	1
1511_1512	1511	1512	28.897	-4.299	-0.72	-0.035	-0.382	-13.111	1
1512_1512	1512	1512	105.516	-4.312	0.03	0.182	-0.259	18.908	1
1512_1513	1512	1513	30.489	-3.273	-0.005	0.039	-0.223	34.139	1
1513_1513	1513	1513	113.431	-0.809	0.119	0.3	1.081	81.081	1
1513_1514	1513	1514	32.165	-2.257	-0.086	0.044	-0.618	50.388	1
1514_1514	1514	1514	113.419	1.828	0.102	0.267	1.938	86.914	1
1514_1515	1514	1515	32.209	-1.509	-0.091	0.066	-1.274	61.268	1
1515_1515	1515	1515	120.865	5.23	-2.52	0.252	3.762	73.738	1
1515_1516	1515	1516	32.79	-0.563	-0.897	0.028	-10.866	67.263	1
1516_1516	1516	1516	120.704	8.159	-2.439	0.816	-23.726	16.665	1
1516_1517	1516	1517	32.795	0.232	-0.875	0.245	-13.902	66.456	1
1517_1517	1517	1517	120.979	8.804	-12.15	-0.462	-31.631	-11.839	1
1517_1220	1517	1220	32.759	0.334	0.582	0.039	-11.591	65.079	1
1520_1241	1520	1241	118.559	-9.41	4.109	4.196	-25.643	-55.193	1
1520_1521	1520	1521	24.447	0.552	0.022	0.52	-14.209	77.762	1
1521_1521	1521	1521	119.422	-8.141	0.56	-0.594	-9.714	-17.878	1
1521_1522	1521	1522	24.261	0.623	0.822	-0.516	-11.314	75.362	1
1522_1522	1522	1522	119.582	-5.31	0.12	-0.371	-7.764	10.483	1
1522_1523	1522	1523	24.242	1.198	0.73	0.034	-3.266	62.293	1
1523_1523	1523	1523	113.039	-1.799	0.496	-0.531	-7.584	68.233	1
1523_1524	1523	1524	24.45	1.995	0.243	-0.134	-1.583	48.064	1
1524_1524	1524	1524	113.056	0.536	0.286	-0.301	-3.913	76.922	1
1524_1525	1524	1525	24.398	2.562	0.198	-0.011	-0.129	29.587	1
1525_1525	1525	1525	106.081	3.98	-0.07	-0.318	-2.936	71.04	1
1525_1526	1525	1526	23.825	3.401	0.103	-0.048	1.276	-19.429	1
1526_1526	1526	1526	99.798	7.767	-2.963	-0.383	-5.056	13.521	1
1526_1527	1526	1527	23.345	4.22	-0.028	0.021	0.937	-56.867	1
1527_1527	1527	1527	99.609	9.837	-3.162	0.163	-31.362	-55.273	1
1527_1528	1527	1528	23.252	4.705	-0.076	-0.107	0.462	-83.019	1
1528_1528	1528	1528	101.126	-9.664	-7.497	4.758	62.737	-99.029	1
1528_1529	1528	1529	28.431	-0.563	-2.987	3.491	26.843	-80.89	1
1529_1529	1529	1529	101.654	11.148	-4.469	-4.723	40.085	-68.151	1
1529_1530	1529	1530	28.61	0.806	-1.006	-3.539	23.815	-82.178	1
1530_1530	1530	1530	107.59	-9.84	-1.782	0.603	27.221	-95.861	1
1530_1531	1530	1531	29.28	-5.189	-1.516	0.324	15.649	-53.48	1
1531_1531	1531	1531	107.766	-7.64	-1.925	0.196	17.346	-41.143	1
1531_1532	1531	1532	29.378	-4.59	-1.556	-0.064	1.902	-12.827	1
1532_1532	1532	1532	115.101	-3.874	-0.31	0.321	0.814	24.661	1
1532_1533	1532	1533	31.337	-3.447	-0.183	0.034	-0.537	36.897	1
1533_1533	1533	1533	122.635	0.203	-0.324	0.322	-3.318	80.395	1
1533_1534	1533	1534	33.504	-2.385	-0.165	0.003	-1.641	54.053	1
1534_1534	1534	1534	122.597	3.056	-0.425	0.519	-5.666	78.931	1
1534_1535	1534	1535	33.55	-1.605	-0.193	0.087	-3.047	65.624	1
1535_1535	1535	1535	128.807	7.064	-0.513	0.396	-8.411	56.748	1
1535_1536	1535	1536	34.979	-0.594	-0.494	-0.007	-8.415	71.949	1
1536_1536	1536	1536	128.596	10.186	-0.756	0.696	-13.984	-20.383	1
1536_1537	1536	1537	34.982	0.255	-0.561	0.336	-10.409	71.054	1
1537_1537	1537	1537	129.3	11.045	-4.415	-3.36	-16.45	-56.782	1
1537_1255	1537	1255	34.836	0.423	0.143	-0.158	-9.826	69.219	1
1540_1279	1540	1279	110.435	-7.64	8.439	6.441	-8.31	7.579	1
1540_1541	1540	1541	26.655	1.45	1.548	1.228	3.092	119.286	1
1541_1541	1541	1541	114.506	-5.893	-1.417	-0.102	25.069	32.751	1
1541_1542	1541	1542	27.369	1.758	-0.231	-0.267	2.107	112.433	1
1542_1542	1542	1542	114.612	-3.112	-1.656	-0.478	20.145	53.317	1
1542_1543	1542	1543	27.318	2.422	-0.29	-0.082	-1	85.986	1
1543_1543	1543	1543	107.014	-0.518	0.098	-0.591	1.037	78.53	1
1543_1544	1543	1544	25.824	3.135	0.137	-0.213	-0.173	63.713	1
1544_1544	1544	1544	106.996	1.998	-0.343	-0.295	1.848	82.26	1
1544_1545	1544	1545	25.744	3.742	0.027	0.052	0.106	36.744	1
1545_1545	1545	1545	100.916	5.21	-0.631	-0.325	-1.72	65.95	1
1545_1546	1545	1546	24.647	4.577	-0.088	-0.018	-1.318	-29.285	1
1546_1546	1546	1546	96.649	9.348	-5.182	-0.452	-12.063	-9.545	1
1546_1547	1546	1547	24.089	5.601	-1.337	0.014	-13.4	-78.898	1
1547_1547	1547	1547	96.433	11.285	-5.335	0.574	-58.01	-92.288	1
1547_1548	1547	1548	23.969	6.083	-1.377	0.165	-21.115	-112.734	1
1548_1548	1548	1548	107.039	-11.058	-7.598	9.374	88.069	-58.358	1
1548_1549	1548	1549	22.064	0.821	1.648	-1.99	-16.124	-114.934	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1549_1549	1549	1549	108.719	14.041	-3.164	-9.444	65.394	-18.796	1
1549_1550	1549	1550	21.769	-1.589	0.405	2.301	-15.05	-111.77	1
1550_1550	1550	1550	113.853	-9.334	-3.477	1.028	56.472	-52.005	1
1550_1551	1550	1551	19.452	-6.17	0.902	-0.157	-9.893	-76.541	1
1551_1551	1551	1551	114.033	-6.7	-3.633	0.18	36.804	0.843	1
1551_1552	1551	1552	19.591	-5.72	0.873	-0.03	-2.495	-28.37	1
1552_1552	1552	1552	118.857	-1.587	-0.837	0.443	6.466	57.369	1
1552_1553	1552	1553	18.616	-4.975	0.398	-0.127	3.146	41.753	1
1553_1553	1553	1553	124.071	2.708	-0.349	0.447	-5.199	83.207	1
1553_1554	1553	1554	17.685	-4.222	0.271	-0.155	4.987	71.563	1
1554_1554	1554	1554	123.96	5.896	-0.494	0.72	-7.667	64.128	1
1554_1555	1554	1555	17.788	-3.766	0.248	-0.198	6.703	98.11	1
1555_1555	1555	1555	128.011	10.607	-0.281	0.599	-11.149	22.342	1
1555_1556	1555	1556	17.382	-3.045	0.377	-0.184	10.699	129.516	1
1556_1556	1556	1556	127.666	14.166	-0.57	0.781	-14.06	-90.598	1
1556_1557	1556	1557	17.461	-2.56	0.335	-0.18	11.756	138.292	1
1557_1557	1557	1557	128.711	15.398	-3.725	-1.911	-16.172	-140.182	1
1557_1291	1557	1291	17.746	-2.472	-0.31	-0.269	10.342	151.688	1
41000_1000	41000	1000	3.198	24.844	-1.033	8.068	0	22.314	1
41000_1001	41000	1001	1.191	5.138	-0.915	1.781	-15.553	-78.322	1
41001_1001	41001	1001	3.2	24.844	-1.026	8.854	-17.56	-400.147	1
41001_1002	41001	1002	1.192	5.138	-0.912	1.935	-25.454	-134.087	1
41002_1002	41002	1002	3.261	26.025	1.067	7.36	-28.698	-669.701	1
41002_1003	41002	1003	1.255	5.207	1.265	1.617	-10.442	-198.552	1
41003_1003	41003	1003	3.26	26.025	1.07	8.165	-15.683	-987.013	1
41003_1004	41003	1004	1.254	5.207	1.266	1.779	4.998	-262.045	1
41004_1004	41004	1004	3.243	28.403	0.463	5.98	-2.634	-1304.211	1
41004_1005	41004	1005	1.236	5.245	0.637	1.438	12.763	-325.996	1
41005_1005	41005	1005	3.243	28.403	0.465	7.324	3.007	-1650.637	1
41005_1006	41005	1006	1.236	5.245	0.638	1.704	20.541	-389.979	1
41006_1006	41006	1006	3.235	32.193	0.094	3.476	8.681	-1996.928	1
41006_1007	41006	1007	1.229	5.424	0.342	1.215	24.463	-453.309	1
41007_1007	41007	1007	3.235	32.193	0.097	5.422	9.827	-2389.42	1
41007_1008	41007	1008	1.229	5.424	0.343	1.584	28.64	-519.442	1
41008_1008	41008	1008	3.236	0.405	0.269	0.083	11.004	-2781.806	1
41008_1009	41008	1009	1.228	5.676	0.305	0.973	32.353	-588.593	1
41009_1009	41009	1009	3.236	0.405	0.272	2.079	14.286	-2786.743	1
41009_1010	41009	1010	1.228	5.676	0.305	1.395	36.079	-657.831	1
41010_1010	41010	1010	3.237	-14.356	0.511	-4.673	17.599	-2791.614	1
41010_1011	41010	1011	1.227	6.016	0.318	0.267	39.953	-731.153	1
41011_1011	41011	1011	3.236	-34.901	0.517	-0.148	23.828	-2616.616	1
41011_1012	41011	1012	1.227	6.016	0.32	1.532	43.851	-804.444	1
41012_1012	41012	1012	3.236	-36.565	0.658	-4.181	30.121	-2191.416	1
41012_1013	41012	1013	1.226	6.391	0.271	0.848	47.154	-882.37	1
41013_1013	41013	1013	3.237	-36.565	0.655	-5.602	38.139	-1745.538	1
41013_1014	41013	1014	1.227	6.391	0.27	0.129	50.445	-960.292	1
41014_1014	41014	1014	3.237	-34.512	-0.058	-5.531	46.124	-1299.701	1
41014_1015	41014	1015	1.227	6.53	0.125	0.473	52.531	-1069.556	1
41015_1015	41015	1015	3.565	-38.781	-0.044	-7.14	46.301	-913.728	1
41015_1016	41015	1016	1.169	6.54	0.123	-1.476	53.535	-1122.806	1
41016_1016	41016	1016	4.308	-48.75	-1.574	-5.392	44.538	-1178.423	1
41016_1017	41016	1017	1.059	6.696	-0.393	0.304	48.395	-1195.101	1
41017_1017	41017	1017	5.681	-59.936	-1.597	-6.396	20.705	-1388.964	1
41017_1018	41017	1018	0.892	6.72	-0.395	-2.73	43.048	-1284.397	1
41018_1018	41018	1018	7.184	-63.329	3.492	-4.713	0.059	-999.482	1
41018_1019	41018	1019	0.712	6.681	1.083	-0.707	56.779	-1368.081	1
41019_1019	41019	1019	9.054	-67.606	2.98	-5.714	40.713	-616.089	1
41019_1020	41019	1020	0.538	6.697	1.081	-4.488	70.095	-1452.265	1
41020_1020	41020	1020	20.979	-0.925	-0.57	-0.338	49.836	-208.643	1
41020_1021	41020	1021	95.931	4.039	5.667	3.671	-149.564	6.335	1
41021_1021	41021	1021	20.979	-0.925	-0.595	-0.427	44.418	-194.783	1
41021_1022	41021	1022	95.938	4.039	5.555	2.336	-106.511	-1.786	1
41022_1022	41022	1022	20.978	-0.925	-0.621	-0.667	39.811	-187.613	1
41022_1023	41022	1023	95.945	4.039	5.432	2.333	-64.418	-33.086	1
41023_1023	41023	1023	20.977	-0.901	-0.534	-0.584	34.995	-180.444	1
41023_1024	41023	1024	95.959	4.44	1.93	2.894	-48.978	-68.604	1
41024_1024	41024	1024	20.977	-0.901	-0.534	-0.584	30.721	-173.237	1
41024_1025	41024	1025	95.959	4.44	1.93	2.894	-33.538	-104.12	1
41025_1025	41025	1025	20.976	-0.901	-0.56	-0.791	26.447	-166.029	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41025_1026	41025	1026	95.961	4.44	1.811	2.764	-19.053	-139.635	1
41026_1026	41026	1026	20.976	-0.918	-0.471	-0.528	21.965	-158.823	1
41026_1027	41026	1027	95.962	4.793	1.39	2.511	-10.719	-168.375	1
41027_1027	41027	1027	20.975	-0.918	-0.51	-0.81	19.14	-153.318	1
41027_1028	41027	1028	95.964	4.793	1.214	2.202	-3.432	-197.161	1
41028_1028	41028	1028	20.975	-0.918	-0.506	-0.783	16.079	-147.806	1
41028_1029	41028	1029	95.964	4.793	1.231	2.237	3.948	-225.894	1
41029_1029	41029	1029	20.975	-0.918	-0.51	-0.809	13.046	-142.302	1
41029_1030	41029	1030	95.964	4.793	1.214	2.196	11.235	-254.676	1
41030_1030	41030	1030	20.974	-0.92	-0.561	-0.825	9.985	-136.788	1
41030_1031	41030	1031	95.968	4.963	1.715	2.003	24.945	-294.358	1
41031_1031	41031	1031	20.974	-0.92	-0.563	-0.842	5.503	-129.435	1
41031_1032	41031	1032	95.968	4.963	1.702	1.964	38.571	-334.085	1
41032_1032	41032	1032	20.974	-0.92	-0.561	-0.826	0.993	-122.073	1
41032_1033	41032	1033	95.968	4.963	1.715	2.008	52.281	-373.762	1
41033_1033	41033	1033	20.973	-1.055	-0.633	-0.381	-3.489	-114.72	1
41033_1034	41033	1034	95.982	4.918	4.269	2.784	85.377	-411.897	1
41034_1034	41034	1034	20.972	-1.055	-0.66	-0.518	-8.395	-106.541	1
41034_1035	41034	1035	95.987	4.918	4.146	2.256	117.515	-450.02	1
41035_1035	41035	1035	20.965	-1.055	-0.861	-1.674	-13.51	-103.561	1
41035_1036	41035	1036	96.023	4.918	3.226	-1.258	148.164	-520.598	1
41036_1036	41036	1036	41.782	46.964	-2.992	6.185	75.807	1383.429	1
41036_1037	41036	1037	25.776	-10.154	-0.644	3.532	43.749	-1322.1	1
41037_1037	41037	1037	40.543	47.377	-2.999	5.813	38.444	820.948	1
41037_1038	41037	1038	26.034	-9.471	-0.665	1.328	35.567	-1203.36	1
41038_1038	41038	1038	39.467	49.435	1.295	6.65	0.95	226.981	1
41038_1039	41038	1039	26.278	-9.03	0.498	2.116	42.106	-1083.717	1
41039_1039	41039	1039	38.238	47.406	1.216	5.906	19.52	-244.79	1
41039_1040	41039	1040	26.495	-8.375	0.476	0.12	47.765	-982.658	1
41040_1040	41040	1040	37.429	48.574	0.546	5.919	34.118	-738.254	1
41040_1041	41040	1041	26.619	-7.931	-0.263	0.609	45.581	-917.295	1
41041_1041	41041	1041	36.993	41.009	0.537	5.157	38.672	-1128.646	1
41041_1042	41041	1042	26.689	-7.693	-0.269	0.063	41.199	-784.369	1
41042_1042	41042	1042	36.989	6.063	0.088	2.986	47.432	-1797.463	1
41042_1043	41042	1043	26.691	-7.513	-0.074	-0.146	40.306	-694.372	1
41043_1043	41043	1043	36.989	6.063	0.057	1.43	48.483	-1870.109	1
41043_1044	41043	1044	26.691	-7.513	-0.097	-0.723	39.148	-604.367	1
41044_1044	41044	1044	36.989	-8.718	-0.07	-0.555	49.166	-1942.763	1
41044_1045	41044	1045	26.69	-7.419	-0.168	-0.698	37.139	-515.505	1
41045_1045	41045	1045	36.988	-27.271	-0.101	-2.085	48.327	-1838.328	1
41045_1046	41045	1046	26.69	-7.419	-0.19	-1.127	34.864	-426.638	1
41046_1046	41046	1046	36.99	-24.439	-0.067	-3.306	47.12	-1511.698	1
41046_1047	41046	1047	26.69	-7.37	-0.193	-1.106	32.548	-338.308	1
41047_1047	41047	1047	36.989	-24.439	-0.096	-4.241	46.313	-1218.761	1
41047_1048	41047	1048	26.69	-7.37	-0.214	-1.365	29.99	-250.049	1
41048_1048	41048	1048	36.989	-22.547	-0.135	-4.179	45.167	-926.097	1
41048_1049	41048	1049	26.691	-7.364	-0.199	-1.228	27.602	-161.795	1
41049_1049	41049	1049	36.989	-22.547	-0.195	-5.23	43.544	-655.874	1
41049_1050	41049	1050	26.69	-7.364	-0.242	-1.487	24.705	-73.619	1
41050_1050	41050	1050	36.988	-21.588	-0.282	-4.505	41.213	-385.925	1
41050_1051	41050	1051	26.692	-7.45	-0.124	-1.255	22.683	47.766	1
41051_1051	41051	1051	37.171	-21.27	-0.335	-4.897	36.579	-37.455	1
41051_1052	41051	1052	26.754	-7.221	-0.163	-1.395	21.331	104.92	1
41052_1052	41052	1052	37.509	-20.564	-0.732	-3.789	33.771	137.844	1
41052_1053	41052	1053	26.873	-6.984	-0.343	-0.976	17.293	187.002	1
41053_1053	41053	1053	38.023	-19.596	-0.777	-4.216	25.073	367.769	1
41053_1054	41053	1054	27.043	-6.293	-0.376	-1.31	12.283	262.013	1
41054_1054	41054	1054	38.473	-18.146	1.132	-3.426	14.737	627.784	1
41054_1055	41054	1055	27.188	-5.547	-0.133	-1.039	10.621	331.541	1
41055_1055	41055	1055	38.963	-18.901	1.282	-3.745	30.67	896.854	1
41055_1056	41055	1056	27.323	-4.837	-0.156	-1.034	8.66	392.352	1
41056_1056	41056	1056	20.069	-1.156	-0.304	-0.423	23.692	-187.266	1
41056_1057	41056	1057	82.94	5.491	5.163	2.958	-126.386	71.587	1
41057_1057	41057	1057	20.069	-1.156	-0.319	-0.531	20.801	-175.136	1
41057_1058	41057	1058	82.943	5.491	5.104	2.718	-86.852	33.779	1
41058_1058	41058	1058	20.069	-1.156	-0.319	-0.531	18.332	-166.179	1
41058_1059	41058	1059	82.943	5.491	5.104	2.718	-47.317	-8.758	1
41059_1059	41059	1059	20.071	-1.122	-0.084	-0.472	15.863	-157.223	1
41059_1060	41059	1060	82.921	5.757	1.607	3.165	-34.451	-54.86	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41060_1060	41060	1060	20.07	-1.122	-0.107	-0.646	15.191	-148.238	1
41060_1061	41060	1061	82.923	5.757	1.51	3.101	-22.376	-100.898	1
41061_1061	41061	1061	20.07	-1.122	-0.134	-0.83	14.333	-139.264	1
41061_1062	41061	1062	82.924	5.757	1.4	2.967	-11.167	-146.991	1
41062_1062	41062	1062	20.071	-1.14	-0.08	-0.534	13.261	-130.283	1
41062_1063	41062	1063	82.923	6.003	1.307	2.935	-3.323	-183.015	1
41063_1063	41063	1063	20.071	-1.14	-0.111	-0.727	12.783	-123.443	1
41063_1064	41063	1064	82.925	6.003	1.177	2.649	3.732	-218.983	1
41064_1064	41064	1064	20.071	-1.14	-0.113	-0.739	12.118	-116.615	1
41064_1065	41064	1065	82.925	6.003	1.169	2.627	10.748	-255.007	1
41065_1065	41065	1065	20.07	-1.14	-0.146	-0.922	11.44	-109.774	1
41065_1066	41065	1066	82.926	6.003	1.031	2.202	16.935	-291.031	1
41066_1066	41066	1066	20.071	-1.131	-0.073	-0.742	10.561	-102.938	1
41066_1067	41066	1067	82.933	6.117	1.611	2.562	29.827	-339.992	1
41067_1067	41067	1067	20.071	-1.131	-0.098	-0.859	9.974	-93.883	1
41067_1068	41067	1068	82.935	6.117	1.507	2.138	41.89	-388.95	1
41068_1068	41068	1068	20.071	-1.131	-0.097	-0.853	9.186	-84.829	1
41068_1069	41068	1069	82.935	6.117	1.513	2.166	53.985	-437.844	1
41069_1069	41069	1069	20.065	-1.22	-0.496	-0.81	8.41	-75.787	1
41069_1070	41069	1070	82.969	6.177	3.239	1.595	79.093	-485.738	1
41070_1070	41070	1070	20.065	-1.22	-0.496	-0.81	4.564	-66.329	1
41070_1071	41070	1071	82.969	6.177	3.239	1.595	104.201	-533.622	1
41071_1071	41071	1071	20.065	-1.22	-0.51	-0.885	0.718	-58.24	1
41071_1072	41071	1072	82.972	6.177	3.181	1.438	134.4	-597.934	1
41072_1072	41072	1072	35.264	46.596	-3.251	6.443	80.035	1252.432	1
41072_1073	41072	1073	15.076	0.24	0.192	-1.211	-32.108	394.038	1
41073_1073	41073	1073	34.035	47.499	-3.274	5.923	39.276	666.604	1
41073_1074	41073	1074	15.065	0.633	0.181	-0.076	-29.887	386.106	1
41074_1074	41074	1074	32.991	49.566	1.615	7.072	-1.664	71.271	1
41074_1075	41074	1075	15.178	-7.941	0.428	2.573	41.132	-1085.165	1
41075_1075	41075	1075	31.771	47.138	1.576	5.587	21.246	-385.09	1
41075_1076	41075	1076	15.378	-7.549	0.409	0.046	46.033	-991.477	1
41076_1076	41076	1076	30.987	49.34	0.388	6.391	39.845	-939.391	1
41076_1077	41076	1077	15.488	-7.166	-0.107	1.339	45.124	-932.428	1
41077_1077	41077	1077	30.563	40.916	0.349	4.427	43.096	-1357.218	1
41077_1078	41077	1078	15.549	-7.033	-0.127	-0.282	43.247	-833.638	1
41078_1078	41078	1078	30.559	6.708	-0.12	3.52	48.266	-1963.882	1
41078_1079	41078	1079	15.549	-6.92	-0.123	0.176	41.867	-755.788	1
41079_1079	41079	1079	30.559	6.708	-0.149	1.627	46.913	-2039.358	1
41079_1080	41079	1080	15.549	-6.92	-0.137	-0.525	40.323	-677.859	1
41080_1080	41080	1080	30.56	-2.239	-0.044	0.328	45.239	-2114.925	1
41080_1081	41080	1081	15.548	-6.814	-0.201	-0.401	38.062	-601.145	1
41081_1081	41081	1081	30.56	-26.705	-0.071	-1.526	44.748	-2089.707	1
41081_1082	41081	1082	15.548	-6.814	-0.215	-0.934	35.646	-524.418	1
41082_1082	41082	1082	30.561	-23.725	-0.007	-1.782	43.953	-1789.022	1
41082_1083	41082	1083	15.548	-6.726	-0.205	-0.652	33.159	-443.04	1
41083_1083	41083	1083	30.561	-23.725	-0.058	-4.263	43.864	-1501.933	1
41083_1084	41083	1084	15.548	-6.726	-0.231	-1.384	30.362	-361.655	1
41084_1084	41084	1084	30.562	-21.583	-0.022	-3.394	43.166	-1214.883	1
41084_1085	41084	1085	15.548	-6.675	-0.211	-0.986	27.983	-286.514	1
41085_1085	41085	1085	30.562	-21.583	-0.076	-5.119	42.923	-971.884	1
41085_1086	41085	1086	15.548	-6.675	-0.239	-1.495	25.293	-211.368	1
41086_1086	41086	1086	30.562	-20.167	-0.084	-4.156	42.069	-728.919	1
41086_1087	41086	1087	15.548	-6.663	-0.24	-1.2	22.591	-136.358	1
41087_1087	41087	1087	30.562	-20.167	-0.139	-5.047	41.12	-501.872	1
41087_1088	41087	1088	15.547	-6.663	-0.268	-1.442	19.58	-61.346	1
41088_1088	41088	1088	30.562	-19.482	-0.171	-4.294	39.561	-274.854	1
41088_1089	41088	1089	15.549	-6.722	-0.104	-1.238	18.09	34.498	1
41089_1089	41089	1089	30.733	-20.882	-0.169	-4.893	38.606	-22.25	1
41089_1090	41089	1090	15.607	-6.586	-0.1	-1.385	17.25	91.975	1
41090_1090	41090	1090	31.072	-20.302	-0.885	-3.694	37.168	150.138	1
41090_1091	41090	1091	15.718	-6.482	-0.453	-1.007	11.922	168.133	1
41091_1091	41091	1091	31.575	-19.511	-0.902	-4.304	26.669	383.64	1
41091_1092	41091	1092	15.876	-6.083	-0.461	-1.292	5.776	246.244	1
41092_1092	41092	1092	32.044	-19.402	1.201	-3.824	14.686	656.466	1
41092_1093	41092	1093	16.017	-5.58	-0.104	-1.194	4.46	316.223	1
41093_1093	41093	1093	32.567	-20.234	1.318	-3.438	31.759	935.82	1
41093_1094	41093	1094	16.157	-5.158	-0.128	-0.815	2.867	381.005	1
41094_1094	41094	1094	23.221	0.839	0.526	0.793	-7.101	-59.557	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41094_1095	41094	1095	85.554	4.768	4.854	3.133	-120.032	5.62	1
41095_1095	41095	1095	23.221	0.839	0.52	0.749	-2.1	-66.374	1
41095_1096	41095	1096	85.555	4.768	4.831	2.893	-82.578	-27.068	1
41096_1096	41096	1096	23.222	0.839	0.461	0.563	1.93	-72.883	1
41096_1097	41096	1097	85.567	4.768	4.613	2.824	-46.863	-63.989	1
41097_1097	41097	1097	23.219	0.774	0.147	0.745	5.497	-79.383	1
41097_1098	41097	1098	85.539	5.047	1.633	3.069	-33.796	-104.374	1
41098_1098	41098	1098	23.219	0.774	0.118	0.638	6.677	-85.576	1
41098_1099	41098	1099	85.541	5.047	1.526	2.939	-21.586	-144.762	1
41099_1099	41099	1099	23.219	0.774	0.118	0.638	7.625	-91.768	1
41099_1100	41099	1100	85.541	5.047	1.526	2.939	-9.375	-185.145	1
41100_1100	41100	1100	23.219	0.811	0.02	0.038	8.573	-97.957	1
41100_1101	41100	1101	85.538	5.407	0.858	1.181	-4.228	-217.583	1
41101_1101	41101	1101	23.219	0.811	0.021	0.041	8.693	-102.821	1
41101_1102	41101	1102	85.538	5.407	0.861	1.189	0.929	-249.975	1
41102_1102	41102	1102	23.217	0.811	0.291	1.293	8.818	-107.67	1
41102_1103	41102	1103	85.523	5.407	1.855	4.094	12.063	-282.402	1
41103_1103	41103	1103	23.217	0.811	0.252	1.105	10.563	-112.537	1
41103_1104	41103	1104	85.526	5.407	1.712	3.624	22.342	-314.864	1
41104_1104	41104	1104	23.217	0.832	0.192	0.681	12.076	-117.403	1
41104_1105	41104	1105	85.526	5.628	1.781	2.531	36.575	-359.858	1
41105_1105	41105	1105	23.218	0.832	0.162	0.522	13.61	-124.055	1
41105_1106	41105	1106	85.529	5.628	1.67	2.067	49.944	-404.909	1
41106_1106	41106	1106	23.218	0.832	0.162	0.522	14.906	-130.715	1
41106_1107	41106	1107	85.529	5.628	1.67	2.067	63.314	-449.957	1
41107_1107	41107	1107	23.219	0.843	0.321	0.473	16.203	-137.376	1
41107_1108	41107	1108	85.537	5.666	3.021	1.645	86.705	-493.836	1
41108_1108	41108	1108	23.219	0.843	0.32	0.468	18.685	-143.901	1
41108_1109	41108	1109	85.538	5.666	3.018	1.627	110.102	-537.768	1
41109_1109	41109	1109	23.219	0.843	0.296	0.332	21.163	-151.754	1
41109_1110	41109	1110	85.541	5.666	2.931	1.246	137.954	-596.483	1
41110_1110	41110	1110	41.74	34.392	-2.926	5.456	92.89	1366.142	1
41110_1111	41110	1111	16.381	-9.304	-1.102	4.263	60.641	-1317.559	1
41111_1111	41111	1111	40.822	33.726	-2.862	5.373	55.599	954.509	1
41111_1112	41111	1112	16.617	-8.871	-1.13	0.543	46.727	-1206.319	1
41112_1112	41112	1112	40.055	34.786	0.983	6.452	20.311	552.291	1
41112_1113	41112	1113	16.839	-8.598	0.261	2.476	50.03	-1092.253	1
41113_1113	41113	1113	39.205	32.742	0.856	5.376	34.007	189.57	1
41113_1114	41113	1114	17.051	-8.171	0.239	-0.191	52.923	-993.434	1
41114_1114	41114	1114	38.658	33.21	0.268	6.802	43.923	-159.436	1
41114_1115	41114	1115	17.179	-7.893	-0.282	1.907	50.562	-928.336	1
41115_1115	41115	1115	38.371	32.203	0.181	5.445	45.853	-377.926	1
41115_1116	41115	1116	17.246	-7.742	-0.319	-0.576	45.859	-814.774	1
41116_1116	41116	1116	38.371	34.338	-0.311	5.754	48.521	-853.656	1
41116_1117	41116	1117	17.246	-7.576	-0.257	0.005	42.964	-729.533	1
41117_1117	41117	1117	38.371	34.338	-0.345	4.652	45.025	-1240.036	1
41117_1118	41117	1118	17.246	-7.576	-0.273	-0.643	39.896	-644.293	1
41118_1118	41118	1118	38.37	37.786	-0.253	4.605	41.146	-1626.409	1
41118_1119	41118	1119	17.246	-7.455	-0.312	-0.287	36.382	-560.335	1
41119_1119	41119	1119	38.37	0.986	-0.321	0.989	38.298	-2051.941	1
41119_1120	41119	1120	17.245	-7.455	-0.342	-1.275	32.529	-476.453	1
41120_1120	41120	1120	38.37	5.212	-0.192	0.1	34.692	-2063.031	1
41120_1121	41120	1121	17.245	-7.379	-0.321	-0.967	28.647	-387.16	1
41121_1121	41121	1121	38.37	-11.356	-0.224	-1.634	32.363	-2126.102	1
41121_1122	41121	1122	17.245	-7.379	-0.335	-1.283	24.598	-297.941	1
41122_1122	41122	1122	38.369	-29.789	-0.049	-3.372	29.658	-1988.794	1
41122_1123	41122	1123	17.244	-7.347	-0.333	-1.223	20.846	-215.204	1
41123_1123	41123	1123	38.369	-36.78	-0.082	-4.824	29.109	-1653.342	1
41123_1124	41123	1124	17.244	-7.347	-0.348	-1.412	16.928	-132.542	1
41124_1124	41124	1124	38.369	-33.772	-0.041	-4.936	28.181	-1239.542	1
41124_1125	41124	1125	17.243	-7.341	-0.324	-1.31	13.274	-49.88	1
41125_1125	41125	1125	38.369	-33.772	-0.109	-6.456	27.719	-859.242	1
41125_1126	41125	1126	17.243	-7.341	-0.355	-1.399	9.281	32.707	1
41126_1126	41126	1126	38.369	-32.015	-0.552	-5.838	26.493	-479.292	1
41126_1127	41126	1127	17.243	-7.396	-0.26	-1.326	5.648	135.883	1
41127_1127	41127	1127	38.641	-31.685	-0.595	-5.879	18.738	-22.587	1
41127_1128	41127	1128	17.305	-7.248	-0.28	-1.15	3.332	200.214	1
41128_1128	41128	1128	39.149	-32.189	-1.278	-5.561	13.883	191.904	1
41128_1129	41128	1129	17.424	-7.079	-0.526	-1.252	-2.869	283.424	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41129_1129	41129	1129	39.981	-33.107	-1.409	-5.009	-1.763	519.874	1
41129_1130	41129	1130	17.599	-6.63	-0.562	-0.765	-10.333	365.921	1
41130_1130	41130	1130	40.748	-33.62	2.213	-5.006	-22.251	930.712	1
41130_1131	41130	1131	17.749	-6.045	-0.27	-1.086	-13.774	441.696	1
41131_1131	41131	1131	41.649	-34.763	2.382	-4.283	6.505	1343.676	1
41131_1132	41131	1132	17.901	-5.578	-0.284	-0.373	-17.327	511.844	1
41132_1132	41132	1132	23.391	-0.105	0.218	-0.013	4.52	-115.368	1
41132_1133	41132	1133	92.239	0.697	3.564	1.834	-84.836	-219.575	1
41133_1133	41133	1133	23.391	-0.105	0.248	0.082	6.589	-109.392	1
41133_1134	41133	1134	92.235	0.697	3.683	1.333	-56.29	-205.337	1
41134_1134	41134	1134	23.384	-0.105	0.61	1.763	8.51	-108.565	1
41134_1135	41134	1135	92.167	0.697	5.111	4.512	-16.675	-210.697	1
41135_1135	41135	1135	23.396	-0.017	-0.037	0.548	13.238	-107.778	1
41135_1136	41135	1136	92.242	1.372	0.779	2.265	-10.442	-221.714	1
41136_1136	41136	1136	23.396	-0.017	-0.008	0.683	12.941	-107.645	1
41136_1137	41136	1137	92.241	1.372	0.894	2.542	-3.287	-232.686	1
41137_1137	41137	1137	23.396	-0.017	-0.037	0.548	12.878	-107.513	1
41137_1138	41137	1138	92.242	1.372	0.779	2.251	2.947	-243.664	1
41138_1138	41138	1138	23.395	-0.011	0.05	0.547	12.581	-107.384	1
41138_1139	41138	1139	92.245	1.697	0.738	1.859	7.37	-253.847	1
41139_1139	41139	1139	23.395	-0.011	0.01	0.365	12.882	-107.321	1
41139_1140	41139	1140	92.246	1.697	0.581	1.427	10.858	-264.035	1
41140_1140	41140	1140	23.395	-0.011	0.01	0.365	12.945	-107.258	1
41140_1141	41140	1141	92.246	1.697	0.581	1.427	14.345	-274.221	1
41141_1141	41141	1141	23.395	-0.011	0.049	0.543	13.007	-107.193	1
41141_1142	41141	1142	92.245	1.697	0.735	1.884	18.756	-284.405	1
41142_1142	41142	1142	23.395	-0.014	0.014	0.328	13.304	-107.131	1
41142_1143	41142	1143	92.24	1.864	0.935	1.143	26.24	-299.329	1
41143_1143	41143	1143	23.395	-0.014	0.014	0.328	13.42	-107.021	1
41143_1144	41143	1144	92.24	1.864	0.935	1.143	33.724	-314.245	1
41144_1144	41144	1144	23.395	-0.014	0.044	0.462	13.536	-106.911	1
41144_1145	41144	1145	92.238	1.864	1.051	1.535	42.13	-329.159	1
41145_1145	41145	1145	23.394	0.01	0.116	0.304	13.885	-106.803	1
41145_1146	41145	1146	92.217	1.92	2.041	0.807	57.929	-344.037	1
41146_1146	41146	1146	23.394	0.01	0.115	0.301	14.782	-106.881	1
41146_1147	41146	1147	92.217	1.92	2.038	0.797	73.728	-358.922	1
41147_1147	41147	1147	23.394	0.01	0.1	0.252	15.675	-111.614	1
41147_1148	41147	1148	92.219	1.92	1.979	0.96	92.53	-395.519	1
41148_1148	41148	1148	63.325	30.657	-2.445	4.181	52.006	1432.703	1
41148_1149	41148	1149	31.336	-11.265	-0.663	2.469	38.656	-1147.204	1
41149_1149	41149	1149	62.499	32.303	-2.491	4.442	21.324	1047.418	1
41149_1150	41149	1150	31.619	-10.441	-0.688	0.561	30.156	-1016.392	1
41150_1150	41150	1150	61.664	32.947	0.979	4.947	-8.67	675.179	1
41150_1151	41150	1151	31.861	-9.57	0.143	1.415	31.976	-889.391	1
41151_1151	41151	1151	60.801	34.492	0.936	4.703	4.461	257.715	1
41151_1152	41151	1152	32.095	-8.752	0.12	-0.07	33.431	-776.21	1
41152_1152	41152	1152	60.249	36.563	0.636	5.234	15.537	-147.764	1
41152_1153	41152	1153	32.239	-8.072	-0.127	0.203	32.368	-709.586	1
41153_1153	41153	1153	59.935	37.076	0.623	4.891	20.833	-443.447	1
41153_1154	41153	1154	32.307	-7.797	-0.135	-0.221	30.518	-599.178	1
41154_1154	41154	1154	59.948	37.202	-0.015	4.203	29.393	-952.993	1
41154_1155	41154	1155	32.308	-7.575	-0.185	-0.28	28.482	-515.84	1
41155_1155	41155	1155	59.948	30.461	-0.07	2.966	29.224	-1362.303	1
41155_1156	41155	1156	32.308	-7.575	-0.214	-0.749	26.124	-432.496	1
41156_1156	41156	1156	59.948	-2.413	0.01	1.505	28.456	-1697.5	1
41156_1157	41156	1157	32.309	-7.454	-0.21	-0.632	24.023	-357.793	1
41157_1157	41157	1157	59.948	-2.62	-0.049	-0.131	28.552	-1673.313	1
41157_1158	41157	1158	32.308	-7.454	-0.241	-0.982	21.609	-283.159	1
41158_1158	41158	1158	59.947	1.067	0.029	-1.365	28.06	-1647.134	1
41158_1159	41158	1159	32.308	-7.399	-0.157	-0.868	20.032	-209.007	1
41159_1159	41159	1159	59.947	-35.733	-0.03	-2.985	28.346	-1657.827	1
41159_1160	41159	1160	32.307	-7.399	-0.189	-1.072	18.141	-134.925	1
41160_1160	41160	1160	59.948	-32.622	0.017	-4.259	28.045	-1300.123	1
41160_1161	41160	1161	32.308	-7.381	-0.188	-1.012	16.068	-53.713	1
41161_1161	41161	1161	59.948	-32.622	0.017	-4.259	28.227	-941.207	1
41161_1162	41161	1162	32.308	-7.381	-0.188	-1.012	13.995	27.501	1
41162_1162	41162	1162	59.962	-30.831	-0.713	-4.808	28.408	-582.293	1
41162_1163	41162	1163	32.31	-7.439	-0.298	-0.872	9.904	129.742	1
41163_1163	41163	1163	60.233	-32.82	-0.732	-5.099	18.987	-255.934	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41163_1164	41163	1164	32.372	-7.166	-0.29	-1.006	7.501	186.58	1
41164_1164	41164	1164	60.737	-31.057	-0.847	-4.434	12.888	14.915	1
41164_1165	41164	1165	32.486	-6.794	-0.267	-0.634	4.351	266.454	1
41165_1165	41165	1165	61.506	-29.525	-0.851	-4.712	2.797	364.02	1
41165_1166	41165	1166	32.648	-5.966	-0.269	-0.801	0.761	337.23	1
41166_1166	41166	1166	62.133	-28.598	2.11	-4.127	-9.449	743.865	1
41166_1167	41166	1167	32.783	-5.112	-0.126	-0.722	-0.834	401.275	1
41167_1167	41167	1167	62.862	-26.979	2.063	-3.677	16.972	1102.185	1
41167_1168	41167	1168	32.906	-4.252	-0.153	-0.374	-2.738	454.708	1
41168_1168	41168	1168	21.103	-0.095	-0.156	-0.243	17.138	-100.133	1
41168_1169	41168	1169	80.778	-3.422	-1.838	-0.976	63.328	-358.412	1
41169_1169	41169	1169	21.103	-0.095	-0.165	-0.249	15.651	-94.835	1
41169_1170	41169	1170	80.777	-3.422	-1.871	-0.733	48.827	-315.061	1
41170_1170	41170	1170	21.103	-0.095	-0.165	-0.249	14.371	-94.098	1
41170_1171	41170	1171	80.777	-3.422	-1.871	-0.733	34.326	-288.532	1
41171_1171	41171	1171	21.102	-0.079	-0.139	-0.377	13.092	-93.362	1
41171_1172	41171	1172	80.758	-3.404	-1.023	-1.382	26.141	-261.303	1
41172_1172	41172	1172	21.103	-0.079	-0.112	-0.259	11.978	-92.728	1
41172_1173	41172	1173	80.759	-3.404	-0.92	-1.048	18.791	-234.1	1
41173_1173	41173	1173	21.102	-0.079	-0.139	-0.376	11.081	-92.094	1
41173_1174	41173	1174	80.758	-3.404	-1.023	-1.347	10.607	-206.861	1
41174_1174	41174	1174	21.1	-0.079	-0.024	-0.437	9.967	-91.461	1
41174_1175	41174	1175	80.75	-3.289	-0.573	-1.635	7.171	-187.128	1
41175_1175	41175	1175	21.1	-0.079	0.011	-0.286	9.823	-90.989	1
41175_1176	41175	1176	80.751	-3.289	-0.438	-1.324	4.542	-167.392	1
41176_1176	41176	1176	21.1	-0.079	-0.024	-0.437	9.89	-90.515	1
41176_1177	41176	1177	80.75	-3.289	-0.573	-1.602	1.106	-147.651	1
41177_1177	41177	1177	21.1	-0.079	-0.024	-0.437	9.745	-90.042	1
41177_1178	41177	1178	80.75	-3.289	-0.573	-1.602	-2.33	-127.913	1
41178_1178	41178	1178	21.102	-0.071	-0.078	-0.395	9.601	-89.571	1
41178_1179	41178	1179	80.76	-3.091	-0.906	-1.873	-9.573	-103.219	1
41179_1179	41179	1179	21.102	-0.071	-0.105	-0.508	8.976	-89.004	1
41179_1180	41179	1180	80.758	-3.091	-1.009	-2.005	-17.65	-78.48	1
41180_1180	41180	1180	21.102	-0.071	-0.105	-0.508	8.134	-88.436	1
41180_1181	41180	1181	80.758	-3.091	-1.009	-2.005	-25.726	-53.745	1
41181_1181	41181	1181	21.108	-0.077	-0.382	-0.503	7.292	-87.87	1
41181_1182	41181	1182	80.815	-2.702	-3.787	-1.57	-55.084	-32.797	1
41182_1182	41182	1182	21.108	-0.077	-0.382	-0.503	4.33	-87.273	1
41182_1183	41182	1183	80.815	-2.702	-3.787	-1.57	-84.442	-11.856	1
41183_1183	41183	1183	21.108	-0.077	-0.373	-0.536	1.368	-90.586	1
41183_1184	41183	1184	80.816	-2.702	-3.754	-2.261	-120.116	-1.155	1
41184_1184	41184	1184	47.226	34.273	-2.358	4.964	42.819	1527.316	1
41184_1185	41184	1185	16.949	5.915	0.189	0.771	-3.567	361.635	1
41185_1185	41185	1185	46.311	35.502	-2.324	3.757	13.403	1096.969	1
41185_1186	41185	1186	16.787	6.359	0.202	0.582	-0.995	281.912	1
41186_1186	41186	1186	45.419	35.482	1.106	5.064	-14.562	684.387	1
41186_1187	41186	1187	16.621	6.824	0.416	0.963	4.528	191.368	1
41187_1187	41187	1187	44.506	36.622	1.108	4.76	0.246	224.956	1
41187_1188	41187	1188	16.443	7.243	0.417	0.73	9.459	110.469	1
41188_1188	41188	1188	43.951	35.684	0.882	6.109	13.302	-116.41	1
41188_1189	41188	1189	16.346	-6.074	-0.03	0.089	28.702	-610.152	1
41189_1189	41189	1189	43.649	36.054	0.902	5.975	20.618	-403.311	1
41189_1190	41189	1190	16.397	-5.936	-0.022	0.131	28.394	-525.802	1
41190_1190	41190	1190	43.662	38.063	0.225	4.711	33.019	-899.168	1
41190_1191	41190	1191	16.398	-5.773	-0.129	-0.629	26.973	-462.286	1
41191_1191	41191	1191	43.661	38.063	0.265	5.909	35.494	-1317.944	1
41191_1192	41191	1192	16.399	-5.773	-0.114	-0.209	25.717	-398.767	1
41192_1192	41192	1192	43.665	4.445	0.088	2.618	38.405	-1736.794	1
41192_1193	41192	1193	16.399	-5.653	-0.134	-0.593	24.36	-341.607	1
41193_1193	41193	1193	43.665	4.445	0.045	0.856	39.294	-1781.75	1
41193_1194	41193	1194	16.399	-5.653	-0.15	-0.931	22.839	-284.44	1
41194_1194	41194	1194	43.662	6.722	0.195	-1.979	39.747	-1826.809	1
41194_1195	41194	1195	16.398	-5.582	-0.102	-0.957	21.812	-227.998	1
41195_1195	41195	1195	43.662	-28.854	0.195	-1.979	41.719	-1894.787	1
41195_1196	41195	1196	16.398	-5.582	-0.102	-0.957	20.785	-171.548	1
41196_1196	41196	1196	43.667	-32.124	-0.021	-5.941	43.691	-1603.083	1
41196_1197	41196	1197	16.399	-5.576	-0.133	-1.109	19.327	-110.195	1
41197_1197	41197	1197	43.667	-35.093	0.019	-4.781	43.458	-1249.657	1
41197_1198	41197	1198	16.399	-5.576	-0.117	-1.007	18.036	-48.898	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41198_1198	41198	1198	43.688	-33.249	-0.785	-6.421	43.671	-863.924	1
41198_1199	41198	1199	16.4	-5.624	-0.193	-0.928	15.386	28.447	1
41199_1199	41199	1199	43.965	-32.882	-0.775	-6.782	32.814	-417.056	1
41199_1200	41199	1200	16.447	-5.486	-0.189	-1.109	13.821	69.816	1
41200_1200	41200	1200	44.477	-32.964	-0.786	-6.078	26.458	-195.202	1
41200_1201	41200	1201	16.536	-5.349	-0.204	-0.682	11.414	132.714	1
41201_1201	41201	1201	45.298	-31.961	-0.791	-6.765	17.021	175.531	1
41201_1202	41201	1202	16.665	-4.93	-0.205	-1.03	8.673	192.957	1
41202_1202	41202	1202	45.955	-32.617	2.696	-5.655	5.16	564.952	1
41202_1203	41202	1203	16.779	-4.529	-0.066	-0.699	7.853	249.758	1
41203_1203	41203	1203	46.782	-31.552	2.706	-6.676	38.85	973.346	1
41203_1204	41203	1204	16.891	-4.094	-0.066	-0.902	6.998	301.207	1
41204_1204	41204	1204	21.774	-0.733	-0.449	-0.521	28.107	-146.012	1
41204_1205	41204	1205	83.893	-5.516	-3.003	-1.923	98.398	-485.062	1
41205_1205	41205	1205	21.775	-0.733	-0.434	-0.31	23.844	-133.151	1
41205_1206	41205	1206	83.895	-5.516	-2.947	-0.8	75.587	-419.645	1
41206_1206	41206	1206	21.775	-0.733	-0.435	-0.313	20.484	-127.475	1
41206_1207	41206	1207	83.895	-5.516	-2.949	-0.811	52.729	-376.884	1
41207_1207	41207	1207	21.771	-0.701	-0.273	-0.466	17.116	-121.799	1
41207_1208	41207	1208	83.858	-5.508	-1.489	-1.903	40.814	-332.847	1
41208_1208	41208	1208	21.77	-0.701	-0.3	-0.611	14.931	-116.187	1
41208_1209	41208	1209	83.856	-5.508	-1.594	-2.319	28.06	-288.771	1
41209_1209	41209	1209	21.77	-0.701	-0.3	-0.611	12.528	-110.576	1
41209_1210	41209	1210	83.856	-5.508	-1.594	-2.319	15.306	-244.698	1
41210_1210	41210	1210	21.77	-0.686	-0.217	-0.557	10.125	-104.969	1
41210_1211	41210	1211	83.844	-5.396	-0.928	-2.402	9.735	-212.33	1
41211_1211	41211	1211	21.769	-0.686	-0.253	-0.725	8.824	-100.848	1
41211_1212	41211	1212	83.843	-5.396	-1.068	-2.756	3.325	-179.941	1
41212_1212	41212	1212	21.769	-0.686	-0.252	-0.721	7.304	-96.729	1
41212_1213	41212	1213	83.843	-5.396	-1.065	-2.75	-3.057	-147.611	1
41213_1213	41213	1213	21.77	-0.686	-0.217	-0.57	5.792	-92.617	1
41213_1214	41213	1214	83.844	-5.396	-0.928	-2.509	-8.628	-115.23	1
41214_1214	41214	1214	21.77	-0.676	-0.298	-0.78	4.491	-88.498	1
41214_1215	41214	1215	83.86	-5.193	-1.77	-3.124	-22.791	-73.687	1
41215_1215	41215	1215	21.771	-0.676	-0.271	-0.676	2.106	-83.094	1
41215_1216	41215	1216	83.862	-5.193	-1.665	-3.032	-36.116	-32.14	1
41216_1216	41216	1216	21.77	-0.676	-0.298	-0.773	-0.061	-77.688	1
41216_1217	41216	1217	83.86	-5.193	-1.77	-3.073	-50.279	9.414	1
41217_1217	41217	1217	21.777	-0.696	-0.506	-0.701	-2.446	-72.282	1
41217_1218	41217	1218	83.94	-4.788	-4.672	-2.051	-86.496	46.553	1
41218_1218	41218	1218	21.777	-0.696	-0.506	-0.699	-6.371	-66.884	1
41218_1219	41218	1219	83.94	-4.788	-4.67	-2.053	-122.65	83.619	1
41219_1219	41219	1219	21.776	-0.696	-0.52	-0.866	-10.286	-66.754	1
41219_1220	41219	1220	83.937	-4.788	-4.726	-3.138	-167.56	108.833	1
41220_1220	41220	1220	41.892	29.836	-2.198	3.658	64.462	1402.833	1
41220_1221	41220	1221	20.604	6.5	0.16	0.459	12.646	365.918	1
41221_1221	41221	1221	41.136	28.519	-2.162	7.261	35.528	1014.935	1
41221_1222	41221	1222	20.43	7.028	0.065	1.885	13.338	277.815	1
41222_1222	41222	1222	40.407	30.358	0.868	6.449	8.629	657.386	1
41222_1223	41222	1223	20.253	7.661	0.305	1.47	17.429	176.153	1
41223_1223	41223	1223	39.659	29.219	0.661	6.426	20.963	301.177	1
41223_1224	41223	1224	20.055	8.168	0.228	1.638	20.13	86.395	1
41224_1224	41224	1224	39.196	30.264	0.687	7.875	28.813	-42.249	1
41224_1225	41224	1225	19.923	8.385	0.232	1.996	22.058	17.215	1
41225_1225	41225	1225	38.945	30.588	0.545	6.526	34.542	-292.041	1
41225_1226	41225	1226	19.853	8.55	0.159	1.876	24.688	-123.143	1
41226_1226	41226	1226	38.954	31.798	0.062	8.946	43.479	-793.91	1
41226_1227	41226	1227	19.851	8.492	0.191	2.603	27.048	-227.918	1
41227_1227	41227	1227	38.953	31.798	-0.128	3.169	44.239	-1186.335	1
41227_1228	41227	1228	19.852	8.492	0.095	1.493	28.215	-332.638	1
41228_1228	41228	1228	38.94	28.718	0.153	5.87	42.658	-1578.177	1
41228_1229	41228	1229	19.845	8.574	0.26	2.545	31.425	-438.385	1
41229_1229	41229	1229	38.94	8.799	0.026	-0.418	44.549	-1932.597	1
41229_1230	41229	1230	19.845	8.574	0.196	1.119	33.836	-544.123	1
41230_1230	41230	1230	38.951	-9.705	-0.416	0.717	44.875	-2040.594	1
41230_1231	41230	1231	19.856	8.673	-0.121	2.325	32.345	-650.921	1
41231_1231	41231	1231	38.949	-9.705	-0.543	-5.549	39.745	-1920.892	1
41231_1232	41231	1232	19.855	8.673	-0.186	0.201	30.057	-757.815	1
41232_1232	41232	1232	38.961	-44.433	-0.995	-3.108	33.053	-1800.935	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41232_1233	41232	1233	19.857	8.843	-0.308	2.56	27.012	-845.022	1
41233_1233	41233	1233	38.958	-44.433	-1.119	-7.444	23.222	-1361.758	1
41233_1234	41233	1234	19.856	8.843	-0.371	-0.131	22.75	-946.505	1
41234_1234	41234	1234	39.129	-44.278	-1.295	-11.358	10.339	-852.704	1
41234_1235	41234	1235	19.819	8.922	-0.461	-4.503	21.284	-974.97	1
41235_1235	41235	1235	39.758	-44.953	1.211	-6.438	4.912	-842.084	1
41235_1236	41235	1236	19.607	9.284	0.719	0.857	26.46	-1041.041	1
41236_1236	41236	1236	39.671	-45.032	1.131	-7.484	13.56	-520.838	1
41236_1237	41236	1237	19.627	9.245	0.678	-1.233	33.006	-1130.89	1
41237_1237	41237	1237	40.663	-44.141	1.024	-7.844	24.389	-98.768	1
41237_1238	41237	1238	19.419	9.678	0.623	-4.825	35.831	-1185.078	1
41238_1238	41238	1238	41.324	-40.094	-3.288	-7.745	29.47	83.268	1
41238_1239	41238	1239	19.439	11.243	-2.936	-0.295	4.515	-1305.282	1
41239_1239	41239	1239	42.154	-40.324	-3.502	-6.227	-6.508	474.548	1
41239_1240	41239	1240	19.192	11.645	-2.994	-4.151	-28.573	-1432.818	1
41240_1240	41240	1240	41.705	-34.051	6.437	-19.094	-46.379	914.847	1
41240_1241	41240	1241	17.801	15.74	5.667	-14.06	38.438	-1603.593	1
41241_1241	41241	1241	21.438	1.51	-0.365	-0.947	-3.76	-50.374	1
41241_1242	41241	1242	93.27	-9.893	2.372	9.014	95.623	-646.28	1
41242_1242	41242	1242	21.437	1.51	-0.389	-0.997	-7.227	-63.553	1
41242_1243	41242	1243	93.273	-9.893	2.269	8.175	102.803	-609.911	1
41243_1243	41243	1243	21.349	1.335	0.757	1.02	-8.457	-68.17	1
41243_1244	41243	1244	93.681	-8.545	-3.314	-1.594	72.268	-531.842	1
41244_1244	41244	1244	21.351	1.335	0.687	0.757	-1.486	-80.472	1
41244_1245	41244	1245	93.669	-8.545	-3.62	-3.33	34.595	-442.899	1
41245_1245	41245	1245	21.374	1.251	0.312	1.058	5.662	-94.328	1
41245_1246	41245	1246	93.474	-8.299	-1.171	-2.985	23.177	-361.869	1
41246_1246	41246	1246	21.375	1.251	0.242	0.714	8.699	-106.527	1
41246_1247	41246	1247	93.47	-8.299	-1.473	-4.154	8.62	-279.853	1
41247_1247	41247	1247	21.38	1.197	0.103	0.936	11.094	-118.852	1
41247_1248	41247	1248	93.39	-8.136	-0.577	-3.826	3.381	-205.869	1
41248_1248	41248	1248	21.38	1.197	0.061	0.681	12.027	-129.725	1
41248_1249	41248	1249	93.389	-8.136	-0.761	-4.231	-4.633	-120.136	1
41249_1249	41249	1249	21.373	1.148	0.108	0.962	12.666	-142.297	1
41249_1250	41249	1250	93.421	-8.082	-1.717	-4.31	-22.379	-36.554	1
41250_1250	41250	1250	21.374	1.148	0.022	0.343	13.784	-154.169	1
41250_1251	41250	1251	93.414	-8.082	-2.092	-4.457	-41.807	38.528	1
41251_1251	41251	1251	21.356	1.045	0.344	0.912	13.991	-164.788	1
41251_1252	41251	1252	93.486	-8.358	-3.947	-4.162	-81.801	123.233	1
41252_1252	41252	1252	21.357	1.045	0.279	0.379	17.478	-175.374	1
41252_1253	41252	1253	93.473	-8.358	-4.231	-3.788	-129.228	216.925	1
41253_1253	41253	1253	21.357	1.045	0.295	0.517	20.609	-187.466	1
41253_1254	41253	1254	93.476	-8.358	-4.165	-4.017	-142.391	241.665	1
41254_1254	41254	1254	21.361	1.009	0.113	0.265	21.54	-190.743	1
41254_1255	41254	1255	93.109	-11.291	3.859	24.18	-117.951	314.31	1
41255_1255	41255	1255	42.174	22.703	-4.574	9.953	53.418	1308.676	1
41255_1256	41255	1256	28.286	6.29	-0.345	1.703	7.132	444.063	1
41256_1256	41256	1256	41.806	23.357	-4.653	11.924	16.306	1124.658	1
41256_1257	41256	1257	28.185	6.729	-0.4	2.471	4.179	395.221	1
41257_1257	41257	1257	41.401	26.417	-0.391	3.602	-16.654	954.737	1
41257_1258	41257	1258	28.042	7.204	0.135	0.832	5.73	320.423	1
41258_1258	41258	1258	40.839	25.434	-0.451	5.734	-17.908	680.143	1
41258_1259	41258	1259	27.881	7.805	0.054	1.647	6.389	221.815	1
41259_1259	41259	1259	39.977	26.81	2.871	6.138	-23.461	374.699	1
41259_1260	41259	1260	27.629	8.463	0.756	1.728	14.394	143.64	1
41260_1260	41260	1260	39.562	26.206	2.649	6.023	7.811	114.576	1
41260_1261	41260	1261	27.493	8.899	0.695	1.82	20.984	59.525	1
41261_1261	41261	1261	39.33	26.555	2.629	5.926	32.899	-137.002	1
41261_1262	41261	1262	27.413	9.142	0.681	1.731	23.157	27.852	1
41262_1262	41262	1262	39.387	26.654	0.04	7.549	41.226	-221.081	1
41262_1263	41262	1263	27.424	8.94	0.127	2.325	24.57	-71.512	1
41263_1263	41263	1263	39.387	26.654	-0.097	5.737	41.676	-517.363	1
41263_1264	41263	1264	27.425	8.94	0.031	2.075	24.942	-178.212	1
41264_1264	41264	1264	39.385	27.622	-0.087	7.521	40.512	-835.417	1
41264_1265	41264	1265	27.422	8.904	0.116	2.71	26.29	-281.277	1
41265_1265	41265	1265	39.384	27.622	-0.229	3.367	39.501	-1155.208	1
41265_1266	41265	1266	27.423	8.904	0.018	1.698	26.495	-383.506	1
41266_1266	41266	1266	39.383	29.077	-0.4	4.972	36.872	-1472.3	1
41266_1267	41266	1267	27.422	8.929	-0.044	2.563	25.975	-487.773	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41267_1267	41267	1267	39.382	20.716	-0.497	0.504	32.197	-1811.87	1
41267_1268	41267	1268	27.422	8.929	-0.112	1.36	24.701	-589.294	1
41268_1268	41268	1268	39.379	-5.026	-0.737	1.309	26.543	-2047.394	1
41268_1269	41268	1269	27.421	8.93	-0.164	2.475	22.567	-705.843	1
41269_1269	41269	1269	39.376	-15.366	-0.866	-5.153	16.92	-1981.804	1
41269_1270	41269	1270	27.421	8.93	-0.253	0.173	19.67	-808.11	1
41270_1270	41270	1270	39.379	-14.394	3.429	-2.64	7.005	-1805.827	1
41270_1271	41270	1271	27.422	8.806	1.307	2.124	31.652	-888.824	1
41271_1271	41271	1271	39.388	-51.194	3.328	-6.92	38.431	-1673.884	1
41271_1272	41271	1272	27.425	8.806	1.237	-0.149	45.456	-987.084	1
41272_1272	41272	1272	39.649	-50.998	3.228	-9.961	75.516	-1104.191	1
41272_1273	41272	1273	27.384	8.942	1.168	-2.829	50.314	-1025.47	1
41273_1273	41273	1273	40.017	-45.998	-1.837	-5.142	88.782	-969.676	1
41273_1274	41273	1274	27.262	10.659	0.126	1.463	51.359	-1110.321	1
41274_1274	41274	1274	40.615	-45.469	-1.895	-6.995	74.071	-603.844	1
41274_1275	41274	1275	27.12	11.016	0.086	-0.829	52.009	-1197.087	1
41275_1275	41275	1275	41.152	-44.977	-2.04	-9.057	59.006	-254.253	1
41275_1276	41275	1276	26.986	11.341	-0.015	-5.881	51.754	-1250.443	1
41276_1276	41276	1276	41.524	-40.538	-8.593	-8.446	50.434	-84.607	1
41276_1277	41276	1277	26.652	13.64	-7.88	-0.159	-40.652	-1410.907	1
41277_1277	41277	1277	42.451	-40.587	-8.86	-5.817	-51.989	339.743	1
41277_1278	41277	1278	26.293	14.26	-7.986	-4.648	-143.213	-1593.278	1
41278_1278	41278	1278	42.822	-35.213	15.698	-26.698	-170.656	815.218	1
41278_1279	41278	1279	25.458	19.931	15.075	-22.749	-0.311	-1785.074	1
41279_1279	41279	1279	18.208	1.83	-1.688	-2.252	5.018	-83.369	1
41279_1280	41279	1280	111.563	-10.002	7.204	10.004	81.322	-627.377	1
41280_1280	41280	1280	18.207	1.83	-1.698	-2.148	-11.024	-99.04	1
41280_1281	41280	1281	111.567	-10.002	7.142	8.982	120.035	-562.653	1
41281_1281	41281	1281	18.207	1.454	1.151	0.696	-20.23	-114.822	1
41281_1282	41281	1282	111.565	-9.513	-4.716	-0.564	61.751	-481.042	1
41282_1282	41282	1282	18.211	1.454	1.096	0.299	-6.009	-132.79	1
41282_1283	41282	1283	111.551	-9.513	-5.049	-2.003	0.44	-365.531	1
41283_1283	41283	1283	18.212	1.262	-0.002	0.8	7.301	-150.444	1
41283_1284	41283	1284	111.544	-8.165	0.406	-2.009	5.472	-264.232	1
41284_1284	41284	1284	18.212	1.262	-0.061	0.261	7.277	-166.104	1
41284_1285	41284	1285	111.545	-8.165	0.044	-2.867	5.94	-176.393	1
41285_1285	41285	1285	18.195	1.084	0.667	0.734	6.62	-179.659	1
41285_1286	41285	1286	111.584	-7.809	-2.071	-2.463	-17.233	-88.982	1
41286_1286	41286	1286	18.196	1.084	0.612	0.16	14.083	-191.79	1
41286_1287	41286	1287	111.577	-7.809	-2.405	-2.73	-42.254	-7.739	1
41287_1287	41287	1287	18.194	0.916	-0.154	0.769	20.455	-203.074	1
41287_1288	41287	1288	111.569	-8.125	-2.437	-2.759	-74.175	98.682	1
41288_1288	41288	1288	18.194	0.916	-0.216	0.028	18.444	-215.075	1
41288_1289	41288	1289	111.56	-8.125	-2.821	-2.419	-105.835	189.864	1
41289_1289	41289	1289	18.195	0.73	0.187	0.823	16.018	-225.363	1
41289_1290	41289	1290	111.595	-8.516	5.1	4.283	-85.411	223.944	1
41290_1290	41290	1290	18.196	0.73	0.161	0.503	16.767	-229.277	1
41290_1291	41290	1291	111.603	-8.516	4.939	4.874	-38.489	298.775	1
41291_1291	41291	1291	14.964	47.844	-8.312	16.34	4.851	1025.417	1
41291_1292	41291	1292	3.089	-9.196	-4.278	8.629	-23.242	-1550.862	1
41292_1292	41292	1292	14.166	50.395	2.139	3.636	-53.37	726.598	1
41292_1293	41292	1293	3.462	-7.449	1.366	4.654	-5.38	-1456.505	1
41293_1293	41293	1293	12.839	46.215	1.861	5.076	-23.343	264.871	1
41293_1294	41293	1294	3.672	-7.351	1.347	-1.829	10.148	-1374.276	1
41294_1294	41294	1294	11.934	44.8	0.8	6.137	-2.326	-176.374	1
41294_1295	41294	1295	3.808	-7.737	0.125	5.382	10.775	-1319.711	1
41295_1295	41295	1295	11.2	42.8	0.76	4.007	3.661	-394.236	1
41295_1296	41295	1296	3.94	-7.671	0.109	-0.081	11.706	-1264.07	1
41296_1296	41296	1296	10.735	40.937	0.741	3.258	9.25	-608.755	1
41296_1297	41296	1297	4.027	-7.626	0.104	-1.539	12.624	-1197.005	1
41297_1297	41297	1297	10.714	42.19	-0.023	7.776	15.768	-968.799	1
41297_1298	41297	1298	4.032	-7.3	0.161	3.34	13.275	-1167.421	1
41298_1298	41298	1298	10.714	42.19	-0.041	5.925	15.673	-1142.666	1
41298_1299	41298	1299	4.032	-7.3	0.154	1.497	14.582	-1106.708	1
41299_1299	41299	1299	10.714	42.19	-0.075	1.121	15.329	-1499.848	1
41299_1300	41299	1300	4.032	-7.3	0.141	-2.048	16.278	-1019.209	1
41300_1300	41300	1300	10.713	44.322	-0.348	7.598	14.429	-2005.528	1
41300_1301	41300	1301	4.032	-7.086	-0.204	1.459	13.599	-925.935	1
41301_1301	41301	1301	10.712	26.466	-0.391	-2.777	9.844	-2588.963	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41301_1302	41301	1302	4.031	-7.086	-0.22	-2.251	11.11	-845.663	1
41302_1302	41302	1302	10.711	10.284	-0.216	7.058	5.412	-2888.79	1
41302_1303	41302	1303	4.031	-6.783	-0.201	1	8.405	-754.345	1
41303_1303	41303	1303	10.71	10.284	-0.267	-7.142	2.5	-3027.233	1
41303_1304	41303	1304	4.03	-6.783	-0.22	-2.538	5.979	-679.45	1
41304_1304	41304	1304	10.709	-23.552	-0.229	3.553	-0.443	-3140.784	1
41304_1305	41304	1305	4.029	-6.497	-0.288	0.27	2.212	-594.56	1
41305_1305	41305	1305	10.708	-32	-0.272	-7.714	-3.435	-2833.048	1
41305_1306	41305	1306	4.028	-6.497	-0.304	-2.095	-1.266	-520.29	1
41306_1306	41306	1306	10.707	-29.929	-0.385	0.481	-6.539	-2467.248	1
41306_1307	41306	1307	4.027	-6.169	-0.41	-0.186	-6.132	-447.103	1
41307_1307	41307	1307	10.706	-29.929	-0.422	-6.896	-11.107	-2112.212	1
41307_1308	41307	1308	4.025	-6.169	-0.424	-1.747	-11.493	-369.144	1
41308_1308	41308	1308	10.704	-27.589	-0.311	-1.75	-16.445	-1734.016	1
41308_1309	41308	1309	4.024	-5.891	-0.251	-0.567	-14.543	-297.482	1
41309_1309	41309	1309	10.703	-27.589	-0.352	-7.11	-20.222	-1398.421	1
41309_1310	41309	1310	4.023	-5.891	-0.266	-1.708	-17.827	-224.773	1
41310_1310	41310	1310	10.705	-26.082	1.212	-3.923	-24.561	-1057.926	1
41310_1311	41310	1311	4.024	-5.822	0.646	-0.991	-9.546	-150.187	1
41311_1311	41311	1311	10.71	-26.082	1.171	-6.694	-9.038	-723.799	1
41311_1312	41311	1312	4.026	-5.822	0.631	-1.566	-1.481	-75.766	1
41312_1312	41312	1312	10.711	-25.494	-0.33	-6.197	5.926	-390.402	1
41312_1313	41312	1313	4.028	-5.66	0.082	-1.923	0	25.86	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
1000_1000	1000	1000	-1.503	-4.836	0.184	-0.251	0	-5.392	1
1000_1001	1000	1001	-5.813	5.014	-0.258	0.231	-4.388	-50.761	1
1001_1001	1001	1001	-73.521	22.203	-0.166	1.073	-2.833	-604.458	1
1001_1002	1001	1002	-10.156	5.145	-0.247	0.27	-6.881	-86.937	1
1002_1002	1002	1002	-108.928	18.721	0.105	0.657	-5.197	-892.708	1
1002_1003	1002	1003	-15.105	5.217	0.335	0.236	-2.799	-127.397	1
1003_1003	1003	1003	-141.301	7.28	0.109	0.953	-4.029	-1155.118	1
1003_1004	1003	1004	-20.119	5.224	0.332	0.261	1.274	-168.037	1
1004_1004	1004	1004	-165.83	5.274	0.077	0.411	-2.685	-1354.865	1
1004_1005	1004	1005	-25.146	5.235	0.143	0.212	2.985	-208.986	1
1005_1005	1005	1005	-185.472	-0.155	0.066	0.838	-1.476	-1514.733	1
1005_1006	1005	1006	-30.176	5.235	0.143	0.252	4.735	-249.608	1
1006_1006	1006	1006	-197.27	-0.665	0.057	0.163	-0.326	-1610.861	1
1006_1007	1006	1007	-35.397	5.434	0.079	0.18	5.698	-291.737	1
1007_1007	1007	1007	-206.576	-5.699	0.039	0.618	0.857	-1686.543	1
1007_1008	1007	1008	-40.616	5.434	0.079	0.236	6.663	-333.888	1
1008_1008	1008	1008	-209.231	-5.66	0.064	-0.065	1.781	-1708.239	1
1008_1009	1008	1009	-46.042	5.654	0.072	0.145	7.535	-377.702	1
1009_1009	1009	1009	-210.555	-10.469	0.045	0.361	3.093	-1718.936	1
1009_1010	1009	1010	-51.474	5.654	0.072	0.208	8.41	-421.571	1
1010_1010	1010	1010	-206.3	-27.106	0.112	-0.693	3.238	-1684.571	1
1010_1011	1010	1011	-57.181	5.95	0.075	0.041	9.292	-467.759	1
1011_1011	1011	1011	-202.919	-31.835	0.092	0.074	4.776	-1657.255	1
1011_1012	1011	1012	-62.89	5.95	0.075	0.231	10.205	-513.871	1
1012_1012	1012	1012	-193.899	-32.357	0.137	-0.441	5.937	-1584.191	1
1012_1013	1012	1013	-68.907	6.265	0.067	0.132	11.018	-562.465	1
1013_1013	1013	1013	-183.638	-36.99	0.113	-0.575	7.645	-1500.91	1
1013_1014	1013	1014	-74.923	6.265	0.067	0.024	11.829	-611.056	1
1014_1014	1014	1014	-168.268	-40.066	0.001	-0.601	8.796	-1376.184	1
1014_1015	1014	1015	-83.247	6.316	0.026	0.085	12.269	-678.29	1
1015_1015	1015	1015	-156.896	-44.911	-0.016	-0.414	5.592	-1194.652	1
1015_1016	1015	1016	-93.534	6.065	0.017	-0.128	8.386	-726.648	1
1016_1016	1016	1016	-136.465	-46.374	-0.209	-0.333	5.284	-1076.078	1
1016_1017	1016	1017	-90.906	5.859	-0.038	-0.013	7.841	-786.101	1
1017_1017	1017	1017	-101.272	-32.393	-0.169	-0.362	2.896	-907.987	1
1017_1018	1017	1018	-80.755	5.759	-0.038	-0.312	7.318	-867.902	1
1018_1018	1018	1018	-63.416	-35.783	0.271	-0.214	1.456	-717.101	1
1018_1019	1018	1019	-69.366	5.57	0.141	-0.161	9.116	-945.843	1
1019_1019	1019	1019	-33.374	-39.116	0.169	-0.368	4.393	-516.035	1
1019_1020	1019	1020	-58.084	5.734	0.142	-0.603	10.799	-1028.858	1
1020_1020	1020	1020	-113.845	-10.685	-0.796	-0.088	25.914	-446.243	1
1020_1021	1020	1021	-20.361	-22.868	-0.019	-0.168	3.717	-366.435	1
1021_1021	1021	1021	-117.17	-12.899	-0.601	0.018	13.57	-494.627	1
1021_1022	1021	1022	-9.214	-20.075	-0.074	-0.144	3.76	-260.608	1
1022_1022	1022	1022	-119.22	-15.092	-0.576	-0.007	8.296	-534.233	1
1022_1023	1022	1023	-2.73	-0.363	-0.058	-0.029	3.788	-92.363	1
1023_1023	1023	1023	-121.197	-10.69	-0.094	-0.049	2.902	-595.504	1
1023_1024	1023	1024	-2.484	-0.339	-0.067	-0.025	3.248	-90.636	1
1024_1024	1024	1024	-122.716	-13.611	-0.082	-0.009	1.74	-630.346	1
1024_1025	1024	1025	-2.238	-0.339	-0.067	-0.025	2.708	-88.91	1
1025_1025	1025	1025	-123.213	-16.819	-0.064	-0.048	0.762	-655.484	1
1025_1026	1025	1026	-1.993	-0.339	-0.07	-0.036	2.151	-87.184	1
1026_1026	1026	1026	-123.057	-18.487	-0.028	-0.022	0.046	-671.772	1
1026_1027	1026	1027	-2.206	0.659	0.014	0.022	-1.096	52.19	1
1027_1027	1027	1027	-122.988	-21.134	-0.015	-0.114	-0.215	-681.806	1
1027_1028	1027	1028	-2.566	0.668	0.017	0.032	-1.018	50.799	1
1028_1028	1028	1028	-122.325	-23.927	-0.01	-0.074	-0.369	-685.072	1
1028_1029	1028	1029	-2.934	0.685	0.019	0.032	-0.946	50.269	1
1029_1029	1029	1029	-120.494	-26.783	-0.005	-0.057	-0.46	-678.036	1
1029_1030	1029	1030	-3.312	0.7	0.02	0.034	-0.852	49.417	1
1030_1030	1030	1030	-119.684	-13.253	0.05	-0.045	-0.329	-668.639	1
1030_1031	1030	1031	-3.828	0.721	0.028	0.036	-0.651	47.819	1
1031_1031	1031	1031	-118.754	-16.759	0.062	-0.013	0.234	-651.867	1
1031_1032	1031	1032	-4.358	0.748	0.031	0.038	-0.412	47.475	1
1032_1032	1032	1032	-117.098	-19.996	0.073	0.034	1.021	-625.978	1
1032_1033	1032	1033	-4.901	0.748	0.031	0.037	-0.166	43.664	1
1033_1033	1033	1033	-114.308	-22.445	0.535	0.029	1.995	-589.765	1
1033_1034	1033	1034	-5.496	0.855	0.058	0.019	0.318	42.055	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1034_1034	1034	1034	-110.834	-25.203	0.569	0.018	6.749	-547.167	1
1034_1035	1034	1035	-16.963	22.979	0.033	0.26	2.369	-325.242	1
1035_1035	1035	1035	-104.806	-27.808	0.84	-0.416	15.472	-506.575	1
1035_1036	1035	1036	-34.568	27.888	-0.136	-0.018	-1.07	-476.465	1
1036_1036	1036	1036	-24.994	-6.316	-0.047	-0.096	0.256	-314.894	1
1036_1037	1036	1037	-82.803	-31.002	0.3	-0.629	-5.11	-725.397	1
1037_1037	1037	1037	-25.215	-6.516	-0.046	-0.118	-0.333	-250.003	1
1037_1038	1037	1038	-70.963	-25.996	0.23	-0.461	-1.888	-479.759	1
1038_1038	1038	1038	-41.319	-0.466	0.14	0.184	1.023	-632.986	1
1038_1039	1038	1039	-58.531	-7.867	0.065	0.246	5.786	-672.963	1
1039_1039	1039	1039	-70.597	-3.634	0.168	0.136	2.557	-777.765	1
1039_1040	1039	1040	-59.501	-7.381	0.062	0.05	6.524	-599.31	1
1040_1040	1040	1040	-93.808	-5.576	0.045	0.128	4.509	-892.759	1
1040_1041	1040	1041	-56.08	-7.228	-0.036	0.058	6.229	-557.459	1
1041_1041	1041	1041	-121.332	-9.291	0.025	0.082	2.371	-899.527	1
1041_1042	1041	1042	-53.616	-7.083	-0.018	0.003	2.69	-443.652	1
1042_1042	1042	1042	-139.392	-11.073	0.004	0.041	2.934	-1023.442	1
1042_1043	1042	1043	-45.585	-6.928	-0.005	-0.008	2.631	-392.787	1
1043_1043	1043	1043	-151.74	0.771	0.004	0.133	3.161	-1104.231	1
1043_1044	1043	1044	-37.566	-6.907	-0.006	-0.037	2.56	-341.187	1
1044_1044	1044	1044	-161.044	-0.664	-0.002	0.085	3.213	-1159.795	1
1044_1045	1044	1045	-29.647	-6.833	-0.011	-0.036	2.426	-291.021	1
1045_1045	1045	1045	-168.803	-5.583	-0.003	0.058	3.198	-1204.235	1
1045_1046	1045	1046	-36.152	6.907	0.021	0.054	2.451	-251.064	1
1046_1046	1046	1046	-170.801	-6.899	0.004	-0.002	3.155	-1211.219	1
1046_1047	1046	1047	-44.246	6.987	0.018	0.055	2.682	-303.821	1
1047_1047	1047	1047	-171.178	-11.788	0.003	-0.022	3.195	-1207.088	1
1047_1048	1047	1048	-52.41	7.062	0.018	0.035	2.903	-357.928	1
1048_1048	1048	1048	-166.239	-13.09	0.001	-0.036	3.199	-1168.459	1
1048_1049	1048	1049	-60.678	7.129	0.015	0.051	3.089	-410.3	1
1049_1049	1049	1049	-159.512	-17.854	-0.002	-0.131	3.166	-1117.793	1
1049_1050	1049	1050	-68.94	7.136	0.015	-0.008	3.263	-462.916	1
1050_1050	1050	1050	-148.849	-19.423	-0.027	-0.127	3.046	-1041.012	1
1050_1051	1050	1051	-80.433	7.296	0.017	0.018	3.517	-538.246	1
1051_1051	1051	1051	-125.215	-25.514	-0.026	-0.255	2.911	-954.321	1
1051_1052	1051	1052	-80.166	7.171	0.019	-0.113	4.172	-597.723	1
1052_1052	1052	1052	-111.523	-26.79	-0.108	-0.2	2.673	-878.392	1
1052_1053	1052	1053	-79.93	6.913	-0.016	-0.019	3.992	-661.871	1
1053_1053	1053	1053	-76.787	-30.501	-0.133	-0.484	2.064	-818.272	1
1053_1054	1053	1054	-65.974	7.156	-0.022	-0.368	5.132	-788.421	1
1054_1054	1054	1054	-47.929	-33.986	0.2	-0.311	0.905	-663.855	1
1054_1055	1054	1055	-75.158	27.098	-0.225	0.662	-3.779	-668.857	1
1055_1055	1055	1055	-35.813	4.124	0.016	0.149	-1.059	-219.244	1
1055_1056	1055	1056	-81.17	32.412	-0.276	0.852	-7.51	-967.881	1
1056_1056	1056	1056	-110.15	-4.232	-0.535	-0.046	16.5	-488.133	1
1056_1057	1056	1057	-9.731	-20.873	-0.039	-0.289	3.147	-338.918	1
1057_1057	1057	1057	-115.446	-6.916	-0.464	0.018	9.584	-562.804	1
1057_1058	1057	1058	-9.046	0.356	0.067	0.144	-1.821	-104.72	1
1058_1058	1058	1058	-119.426	-9.437	-0.45	0.105	5.497	-617.7	1
1058_1059	1058	1059	-9.277	0.356	0.067	0.144	-1.304	-106.553	1
1059_1059	1059	1059	-122.336	-11.504	-0.062	-0.007	1.645	-664.871	1
1059_1060	1059	1060	-9.47	0.287	0.066	0.156	-0.777	-108.084	1
1060_1060	1060	1060	-124.602	-14.462	-0.049	-0.069	0.865	-705.607	1
1060_1061	1060	1061	-9.666	0.297	0.061	0.121	-0.194	-101.642	1
1061_1061	1061	1061	-125.703	-17.67	-0.036	-0.164	0.249	-734.72	1
1061_1062	1061	1062	-9.864	0.297	0.06	0.095	0.288	-103.224	1
1062_1062	1062	1062	-126.015	-19.305	-0.021	-0.013	-0.184	-753.404	1
1062_1063	1062	1063	-10.033	0.334	0.06	0.132	0.646	-104.557	1
1063_1063	1063	1063	-126.199	-21.919	-0.011	-0.171	-0.365	-764.535	1
1063_1064	1063	1064	-10.2	0.334	0.059	0.1	1	-105.888	1
1064_1064	1064	1064	-125.752	-24.65	-0.007	-0.121	-0.467	-768.094	1
1064_1065	1064	1065	-10.368	0.334	0.059	0.098	1.355	-107.22	1
1065_1065	1065	1065	-124.826	-12.612	0.019	-0.077	-0.431	-763.685	1
1065_1066	1065	1066	-10.535	0.334	0.058	0.063	1.705	-108.552	1
1066_1066	1066	1066	-124.121	-13.347	0.032	0.016	-0.263	-751.65	1
1066_1067	1066	1067	-10.766	0.343	0.06	0.102	2.185	-110.379	1
1067_1067	1067	1067	-123.182	-16.808	0.046	-0.073	0.17	-732.109	1
1067_1068	1067	1068	-10.995	0.343	0.06	0.075	2.662	-112.205	1
1068_1068	1068	1068	-121.542	-20	0.052	0.026	0.78	-702.457	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1068_1069	1068	1069	-11.225	0.343	0.06	0.077	3.138	-114.027	1
1069_1069	1069	1069	-118.816	-22.24	0.437	-0.189	1.5	-661.856	1
1069_1070	1069	1070	-11.471	0.38	0.064	0.063	3.636	-115.988	1
1070_1070	1070	1070	-115.549	-24.97	0.457	-0.107	5.379	-614.999	1
1070_1071	1070	1071	-11.718	0.38	0.064	0.063	4.133	-117.945	1
1071_1071	1071	1071	-111.155	-27.479	0.548	-0.052	10.947	-559.956	1
1071_1072	1071	1072	-27.4	26.017	-0.051	0.336	0.286	-472.676	1
1072_1072	1072	1072	-26.172	0.144	-0.02	0.217	3.579	-269.368	1
1072_1073	1072	1073	-69.96	-29.079	0.24	-0.778	-3.59	-638.203	1
1073_1073	1073	1073	-29.536	-0.223	-0.019	0.055	3.332	-260.695	1
1073_1074	1073	1074	-64.843	-6.083	-0.084	0.212	5.129	-782.224	1
1074_1074	1074	1074	-45.909	-0.29	0.106	0.311	0.912	-674.742	1
1074_1075	1074	1075	-71.642	-6.442	0.027	0.379	5.381	-713.128	1
1075_1075	1075	1075	-84.808	-3.447	0.096	0.103	1.536	-788.07	1
1075_1076	1075	1076	-80.565	-6.248	0.019	0.018	4.186	-611.863	1
1076_1076	1076	1076	-111.383	-5.346	0.027	0.174	2.717	-908.629	1
1076_1077	1076	1077	-77.484	-6.487	-0.011	0.107	4.094	-574.826	1
1077_1077	1077	1077	-116.398	-8.619	0.036	0.095	4.221	-1011.503	1
1077_1078	1077	1078	-63.417	-6.431	-0.016	-0.043	5.511	-506.501	1
1078_1078	1078	1078	-134.394	6.238	-0.013	0.385	5.158	-1161.698	1
1078_1079	1078	1079	-57.284	-6.421	-0.023	0.02	5.244	-459.874	1
1079_1079	1079	1079	-147.974	1.8	-0.021	0.293	5.049	-1263.143	1
1079_1080	1079	1080	-51.253	-6.281	-0.025	-0.057	4.927	-406.804	1
1080_1080	1080	1080	-157.265	0.74	-0.006	0.259	4.783	-1331.317	1
1080_1081	1080	1081	-45.398	-5.956	-0.031	-0.034	4.447	-347.207	1
1081_1081	1081	1081	-165.32	-3.73	-0.012	0.155	4.716	-1389.337	1
1081_1082	1081	1082	-39.786	-5.759	-0.03	-0.087	4.005	-296.299	1
1082_1082	1082	1082	-168.746	-4.54	0.003	0.193	4.546	-1412.053	1
1082_1083	1082	1083	-35.228	5.619	0.037	0.132	3.614	-264.608	1
1083_1083	1083	1083	-171.041	-9.335	-0.005	-0.108	4.59	-1425.52	1
1083_1084	1083	1084	-41.1	5.779	0.037	0.054	4.132	-314.656	1
1084_1084	1084	1084	-168.041	-10.403	0.019	0.053	4.498	-1398.791	1
1084_1085	1084	1085	-46.722	5.948	0.036	0.12	4.58	-362.686	1
1085_1085	1085	1085	-164.642	-31.255	0.013	-0.508	4.739	-1377.603	1
1085_1086	1085	1086	-52.403	5.986	0.035	0.002	4.981	-407.247	1
1086_1086	1086	1086	-156.733	-32.193	0.021	-0.32	4.821	-1314.361	1
1086_1087	1086	1087	-58.226	6.115	0.03	0.094	5.318	-453.721	1
1087_1087	1087	1087	-147.841	-36.602	0.009	-0.595	4.993	-1243.296	1
1087_1088	1087	1088	-64.063	6.115	0.029	-0.055	5.643	-497.507	1
1088_1088	1088	1088	-135.676	-21.301	-0.011	-0.363	4.718	-1132.915	1
1088_1089	1088	1089	-71.511	6.255	0.035	-0.025	6.094	-559.048	1
1089_1089	1089	1089	-117.147	-26.449	-0.008	-0.228	3.915	-1044.792	1
1089_1090	1089	1090	-72.994	6.116	0.032	-0.079	5.661	-621.524	1
1090_1090	1090	1090	-102.981	-27.629	-0.14	-0.368	3.748	-952.813	1
1090_1091	1090	1091	-71.802	5.807	-0.023	-0.055	5.391	-678.54	1
1091_1091	1091	1091	-75.777	-31.224	-0.157	-0.405	2.763	-831.942	1
1091_1092	1091	1092	-63.622	5.866	-0.029	-0.317	6.394	-760.353	1
1092_1092	1092	1092	-45.725	-34.483	0.253	-0.252	1.294	-661.28	1
1092_1093	1092	1093	-71.241	28.593	-0.271	0.683	-4.806	-687.375	1
1093_1093	1093	1093	-26.994	4.8	0.017	0.11	-0.457	-218.559	1
1093_1094	1093	1094	-77.573	33.681	-0.323	0.786	-9.236	-988.873	1
1094_1094	1094	1094	-110.02	-4.194	-0.606	-0.014	18.627	-488.76	1
1094_1095	1094	1095	-11.644	-0.711	-0.054	-0.074	0.059	33.214	1
1095_1095	1095	1095	-112.097	-6.924	-0.661	0.107	13.512	-576.29	1
1095_1096	1095	1096	-11.211	-0.713	-0.06	-0.081	-0.397	37.012	1
1096_1096	1096	1096	-115.645	-9.491	-0.619	-0.116	7.691	-633.406	1
1096_1097	1096	1097	-10.776	-0.713	-0.052	-0.062	-0.8	40.787	1
1097_1097	1097	1097	-118.096	-11.569	-0.086	-0.058	2.378	-682.119	1
1097_1098	1097	1098	-10.362	-0.641	-0.009	-0.077	-0.878	41.58	1
1098_1098	1098	1098	-119.956	-14.588	-0.066	-0.149	1.297	-724.284	1
1098_1099	1098	1099	-9.958	-0.638	-0.005	-0.066	-0.918	44.687	1
1099_1099	1099	1099	-120.669	-17.882	-0.055	-0.065	0.468	-753.988	1
1099_1100	1099	1100	-9.563	-0.624	-0.004	-0.063	-0.933	46.256	1
1100_1100	1100	1100	-120.592	-19.194	0.006	-0.907	-0.146	-772.321	1
1100_1101	1100	1101	-9.363	0.045	-0.096	-0.19	1.845	-98.122	1
1101_1101	1101	1101	-120.616	-21.815	0.011	-0.937	-0.168	-784.178	1
1101_1102	1101	1102	-9.388	0.053	-0.101	-0.199	1.273	-103.137	1
1102_1102	1102	1102	-120.054	-24.565	-0.049	0.866	-0.129	-788.215	1
1102_1103	1102	1103	-9.408	0.053	-0.095	0.043	0.702	-103.361	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1103_1103	1103	1103	-118.83	-12.554	-0.002	0.79	-0.074	-786.874	1
1103_1104	1103	1104	-9.434	0.053	-0.096	0.008	0.126	-103.581	1
1104_1104	1104	1104	-118.188	-12.908	0.039	0.056	0.045	-775.654	1
1104_1105	1104	1105	-9.53	0.15	-0.1	-0.086	-0.673	-104.403	1
1105_1105	1105	1105	-117.518	-16.479	0.06	-0.055	0.69	-758.606	1
1105_1106	1105	1106	-9.625	0.15	-0.101	-0.113	-1.479	-105.226	1
1106_1106	1106	1106	-116.054	-19.782	0.071	0.033	1.617	-729.785	1
1106_1107	1106	1107	-9.73	0.168	-0.105	-0.12	-2.44	-111.448	1
1107_1107	1107	1107	-113.467	-22.073	0.604	-0.166	2.734	-688.45	1
1107_1108	1107	1108	-9.801	0.115	-0.088	-0.127	-3.124	-112.141	1
1108_1108	1108	1108	-110.268	-24.904	0.634	-0.085	8.222	-640.007	1
1108_1109	1108	1109	-9.871	0.115	-0.088	-0.128	-3.807	-112.752	1
1109_1109	1109	1109	-108.841	-27.428	0.603	-0.067	12.801	-569.368	1
1109_1110	1109	1110	-24.112	25.421	-0.052	0.291	0.867	-460.546	1
1110_1110	1110	1110	-21.793	-1.26	-0.03	0.242	3.984	-316.593	1
1110_1111	1110	1111	-76.21	-26.442	0.303	-0.729	-6.535	-651.133	1
1111_1111	1111	1111	-25.108	-1.427	-0.029	0.037	3.614	-297.46	1
1111_1112	1111	1112	-66.578	-22.025	0.248	-0.582	-2.926	-425.656	1
1112_1112	1112	1112	-43.549	-0.923	0.109	0.287	1.915	-682.207	1
1112_1113	1112	1113	-67.961	-7.132	0.013	0.369	7.207	-714.686	1
1113_1113	1113	1113	-73.051	-4.321	0.105	0.155	2.561	-827.544	1
1113_1114	1113	1114	-69.919	-6.973	0.009	-0.006	5.837	-639.157	1
1114_1114	1114	1114	-95.189	-6.305	0.019	0.405	3.871	-944.307	1
1114_1115	1114	1115	-66.631	-7.174	-0.032	0.241	5.564	-593.877	1
1115_1115	1115	1115	-120.632	-9.454	0.012	0.029	3.429	-924.497	1
1115_1116	1115	1116	-64.389	-7.187	-0.029	-0.049	4.207	-470.109	1
1116_1116	1116	1116	-135.374	-11.456	-0.014	0.07	3.735	-1033.439	1
1116_1117	1116	1117	-57.052	-7.049	-0.026	0.001	3.904	-418.756	1
1117_1117	1117	1117	-145.678	-15.589	-0.022	0.022	3.629	-1107.918	1
1117_1118	1117	1118	-49.81	-6.923	-0.027	-0.047	3.572	-365.586	1
1118_1118	1118	1118	-152.694	-16.549	-0.015	0.049	3.352	-1158.538	1
1118_1119	1118	1119	-42.755	-6.716	-0.03	-0.017	3.187	-312.482	1
1119_1119	1119	1119	-158.73	-20.907	-0.024	-0.137	3.16	-1201.344	1
1119_1120	1119	1120	-35.96	-6.423	-0.031	-0.084	2.751	-257.239	1
1120_1120	1120	1120	-160.414	-21.663	-0.012	-0.122	2.827	-1214.175	1
1120_1121	1120	1121	-29.149	-5.821	-0.029	-0.053	2.213	-194.487	1
1121_1121	1121	1121	-161.248	-26.501	-0.018	-0.165	2.624	-1220.49	1
1121_1122	1121	1122	-23.105	-5.033	-0.026	-0.062	1.644	-135.528	1
1122_1122	1122	1122	-156.334	-27.614	-0.003	-0.217	2.341	-1188.18	1
1122_1123	1122	1123	-25.773	3.847	0.012	0.041	1.947	-203.433	1
1123_1123	1123	1123	-150.643	-32.173	-0.008	-0.266	2.272	-1150.033	1
1123_1124	1123	1124	-29.849	3.975	0.011	0.019	2.102	-235.802	1
1124_1124	1124	1124	-139.999	-33.088	0.007	-0.246	2.141	-1078.693	1
1124_1125	1124	1125	-34.129	4.231	0.008	0.044	2.207	-273.511	1
1125_1125	1125	1125	-128.519	-37.631	-0.001	-0.386	2.196	-1001.066	1
1125_1126	1125	1126	-38.514	4.231	0.007	-0.019	2.284	-302.304	1
1126_1126	1126	1126	-114.675	-22.516	-0.05	-0.184	2.05	-894.628	1
1126_1127	1126	1127	-44.135	4.398	0.002	0.013	2.284	-343.344	1
1127_1127	1127	1127	-101.039	-27.39	-0.045	-0.143	1.213	-782.789	1
1127_1128	1127	1128	-57.16	18.131	0.033	0.219	-0.804	-224.562	1
1128_1128	1128	1128	-86.239	-28.065	-0.11	-0.128	0.857	-700.854	1
1128_1129	1128	1129	-75.094	22.469	0.077	0.251	-0.023	-372.138	1
1129_1129	1129	1129	-53.429	-31.499	-0.125	-0.366	-0.299	-634.92	1
1129_1130	1129	1130	-86.703	26.672	0.115	0.459	1.597	-618.206	1
1130_1130	1130	1130	-34.972	5.539	0.026	0.112	1.037	-241.16	1
1130_1131	1130	1131	-95.437	30.246	-0.19	0.548	-0.449	-879.452	1
1131_1131	1131	1131	-34.97	5.122	0.027	0.024	1.356	-298.932	1
1131_1132	1131	1132	-100.221	34.751	-0.231	0.57	-3.582	-1194.075	1
1132_1132	1132	1132	-99.059	-2.111	-0.4	-0.443	11.501	-361.363	1
1132_1133	1132	1133	-11.707	-21.594	0.027	-0.462	0.202	-291.564	1
1133_1133	1133	1133	-106.943	-5.1	-0.372	-0.185	6.709	-439.68	1
1133_1134	1133	1134	-9.242	-1.411	0.021	-0.009	0.142	-144.765	1
1134_1134	1134	1134	-112.194	-7.923	-0.446	0.735	3.556	-500.364	1
1134_1135	1134	1135	-8.254	-1.342	0.04	0.25	0.508	-132.042	1
1135_1135	1135	1135	-116.572	-9.387	-0.002	-0.055	-0.086	-554.417	1
1135_1136	1135	1136	-7.585	-0.148	0.005	-0.029	-0.756	39.943	1
1136_1136	1136	1136	-120.558	-12.638	-0.005	0.068	-0.211	-605.271	1
1136_1137	1136	1137	-8.29	1.424	-0.026	-0.005	1.21	-52.858	1
1137_1137	1137	1137	-122.893	-16.165	0.003	0.016	-0.309	-642.683	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1137_1138	1137	1138	-9.334	1.512	-0.028	-0.015	1.031	-65.082	1
1138_1138	1138	1138	-123.989	-17.801	0	-0.03	-0.298	-667.826	1
1138_1139	1138	1139	-10.175	1.544	-0.029	-0.012	0.858	-70.97	1
1139_1139	1139	1139	-124.816	-20.688	0.006	-0.139	-0.288	-684.406	1
1139_1140	1139	1140	-11.04	1.607	-0.03	-0.029	0.684	-80.715	1
1140_1140	1140	1140	-124.696	-23.725	0.007	-0.113	-0.231	-692.176	1
1140_1141	1140	1141	-11.933	1.665	-0.032	-0.031	0.491	-90.78	1
1141_1141	1141	1141	-123.056	-26.826	0.003	0.051	-0.158	-687.557	1
1141_1142	1141	1142	-12.858	1.723	-0.033	-0.013	0.282	-101.2	1
1142_1142	1142	1142	-121.255	-14.028	0.01	-0.098	0.127	-680.782	1
1142_1143	1142	1143	-14.176	1.811	-0.032	-0.045	0.023	-110.767	1
1143_1143	1143	1143	-119.094	-17.848	0.015	-0.058	0.332	-659.015	1
1143_1144	1143	1144	-15.538	1.96	-0.036	-0.052	-0.349	-131.243	1
1144_1144	1144	1144	-115.716	-21.378	0.014	0.075	0.606	-624.993	1
1144_1145	1144	1145	-16.964	1.96	-0.036	-0.032	-0.634	-141.223	1
1145_1145	1145	1145	-110.831	-23.729	0.318	-0.144	0.897	-577.914	1
1145_1146	1145	1146	-18.393	2.071	-0.04	-0.069	-1.017	-156.965	1
1146_1146	1146	1146	-105.156	-26.76	0.33	-0.102	3.65	-524.263	1
1146_1147	1146	1147	-19.897	2.138	-0.044	-0.073	-1.456	-172.752	1
1147_1147	1147	1147	-96.552	-29.629	0.36	-0.046	6.931	-470.198	1
1147_1148	1147	1148	-29.499	27.771	-0.093	0.281	-1.638	-436.575	1
1148_1148	1148	1148	-36.135	-3.303	-0.013	-0.041	0.178	-265.695	1
1148_1149	1148	1149	-97.923	-26.181	0.197	-0.507	-1.766	-684.977	1
1149_1149	1149	1149	-37.022	-3.992	-0.011	-0.073	0.013	-226.456	1
1149_1150	1149	1150	-88.176	-22.073	0.158	-0.413	0.416	-465.117	1
1150_1150	1150	1150	-36.811	-4.722	-0.025	-0.074	-0.131	-183.708	1
1150_1151	1150	1151	-73.187	-18.082	-0.054	-0.374	-0.643	-279.436	1
1151_1151	1151	1151	-60.116	-5.01	0.074	0.07	0.534	-633.708	1
1151_1152	1151	1152	-57.56	-15.605	-0.033	-0.151	-0.955	-151.667	1
1152_1152	1152	1152	-80.312	-6.744	0.03	0.051	1.311	-722.433	1
1152_1153	1152	1153	-45.654	-14.088	-0.025	-0.163	-1.1	-85.319	1
1153_1153	1153	1153	-98.062	-9.474	0.029	0.04	1.315	-752.508	1
1153_1154	1153	1154	-37.914	-6.932	-0.011	-0.01	1.911	-321.788	1
1154_1154	1154	1154	-109.659	-11.849	-0.003	0.012	1.754	-836.229	1
1154_1155	1154	1155	-30.485	-6.552	-0.013	-0.009	1.744	-269.349	1
1155_1155	1155	1155	-118.217	-16.188	-0.007	-0.006	1.748	-895.966	1
1155_1156	1155	1156	-23.512	-5.855	-0.014	-0.022	1.472	-206.269	1
1156_1156	1156	1156	-123.338	-17.568	-0.002	-0.024	1.683	-932.421	1
1156_1157	1156	1157	-18.016	-4.906	-0.013	-0.012	1.159	-149.053	1
1157_1157	1157	1157	-127.037	-21.789	-0.006	-0.052	1.68	-958.118	1
1157_1158	1157	1158	-13.63	3.591	0.011	0.012	0.927	-96.438	1
1158_1158	1158	1158	-127.129	-7.788	0.005	0.014	1.652	-958.644	1
1158_1159	1158	1159	-17.647	4.344	0.012	0.019	1.198	-137.316	1
1159_1159	1159	1159	-127.146	-12.187	0.002	-0.014	1.709	-955.295	1
1159_1160	1159	1160	-22.447	5.06	0.012	0.014	1.458	-185.219	1
1160_1160	1160	1160	-123.35	-13.082	0.007	-0.06	1.721	-927.631	1
1160_1161	1160	1161	-28.532	5.7	0.014	0.015	1.703	-239.494	1
1161_1161	1161	1161	-118.09	-17.761	0.008	-0.02	1.804	-889.016	1
1161_1162	1161	1162	-35.044	5.899	0.014	0.016	1.875	-284.915	1
1162_1162	1162	1162	-109.326	-19.316	-0.044	-0.096	1.861	-827.15	1
1162_1163	1162	1163	-47.831	14.877	0.026	0.111	-0.84	-90.617	1
1163_1163	1163	1163	-91.585	-24.577	-0.04	-0.067	1.429	-766.082	1
1163_1164	1163	1164	-59.666	17.098	0.031	0.188	-0.74	-159.672	1
1164_1164	1164	1164	-79.807	-25.381	-0.081	-0.148	1.158	-700.926	1
1164_1165	1164	1165	-76.568	19.8	0.038	0.173	-0.333	-282.986	1
1165_1165	1165	1165	-52.768	-28.831	-0.08	-0.179	0.471	-639.227	1
1165_1166	1165	1166	-91.459	23.45	0.054	0.35	0.445	-472.139	1
1166_1166	1166	1166	-44.312	4.296	0.01	0.064	-0.019	-209.411	1
1166_1167	1166	1167	-101.212	25.926	-0.152	0.372	-1.221	-692.987	1
1167_1167	1167	1167	-44.365	3.474	0.011	0.033	0.099	-256.179	1
1167_1168	1167	1168	-107.032	30.603	-0.183	0.445	-3.649	-963.992	1
1168_1168	1168	1168	-91.699	-1.73	-0.31	-0.025	9.018	-366.157	1
1168_1169	1168	1169	-20.994	-2.019	0.043	0.098	-1.09	-169.882	1
1169_1169	1169	1169	-101.542	-4.583	-0.249	0.068	4.75	-442.77	1
1169_1170	1169	1170	-20.487	-2.013	0.035	0.063	-0.618	-155.414	1
1170_1170	1170	1170	-108.686	-7.287	-0.244	0.109	2.635	-502.843	1
1170_1171	1170	1171	-19.035	-1.947	0.032	0.06	-0.302	-140.37	1
1171_1171	1171	1171	-114.606	-9.532	-0.023	-0.071	0.602	-555.132	1
1171_1172	1171	1172	-17.579	-1.915	0.029	0.034	-0.072	-130.87	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1172_1172	1172	1172	-119.613	-12.721	-0.024	0.047	0.313	-600.677	1
1172_1173	1172	1173	-16.159	-1.782	0.026	0.046	0.203	-111.054	1
1173_1173	1173	1173	-123.031	-16.194	-0.017	-0.004	0.051	-634.025	1
1173_1174	1173	1174	-14.804	-1.782	0.026	0.03	0.408	-102.211	1
1174_1174	1174	1174	-125.197	-17.915	-0.001	-0.131	-0.121	-655.958	1
1174_1175	1174	1175	-13.832	-1.703	0.025	0.015	0.558	-95.534	1
1175_1175	1175	1175	-126.602	-20.753	-0.004	0.012	-0.135	-669.091	1
1175_1176	1175	1176	-12.883	-1.651	0.024	0.032	0.704	-85.559	1
1176_1176	1176	1176	-128.164	-10.224	0.003	0.017	-0.164	-673.305	1
1176_1177	1176	1177	-11.96	-1.597	0.023	0.014	0.837	-75.891	1
1177_1177	1177	1177	-128.194	-13.208	0.003	0.047	-0.136	-667.515	1
1177_1178	1177	1178	-11.061	-1.565	0.023	0.014	0.965	-68.043	1
1178_1178	1178	1178	-127.298	-14.001	0.015	-0.01	-0.105	-653.747	1
1178_1179	1178	1179	-9.92	-1.503	0.022	0.016	1.13	-59.063	1
1179_1179	1179	1179	-125.838	-17.759	0.022	-0.059	0.08	-631.263	1
1179_1180	1179	1180	-8.838	-1.422	0.02	0.007	1.243	-47.34	1
1180_1180	1180	1180	-123.11	-21.223	0.025	-0.016	0.355	-597.429	1
1180_1181	1180	1181	-7.825	0.978	-0.022	-0.046	-0.062	-109.858	1
1181_1181	1181	1181	-118.824	-23.678	0.232	-0.155	0.68	-551.551	1
1181_1182	1181	1182	-8.616	1.111	-0.026	-0.066	-0.333	-125.306	1
1182_1182	1182	1182	-113.634	-26.631	0.24	-0.118	2.681	-499.245	1
1182_1183	1182	1183	-17.645	-21.557	-0.022	0.166	0.348	-284.604	1
1183_1183	1183	1183	-106.916	-29.374	0.282	-0.01	5.505	-441.016	1
1183_1184	1183	1184	-37.136	27.35	-0.071	0.246	-1.333	-428.489	1
1184_1184	1184	1184	-30.68	-5.457	-0.014	-0.069	0.465	-289.919	1
1184_1185	1184	1185	-91.054	-29.474	0.151	-0.474	-0.851	-691.13	1
1185_1185	1185	1185	-30.977	-5.851	-0.015	-0.051	0.287	-233.387	1
1185_1186	1185	1186	-78.857	-24.928	0.116	-0.263	0.732	-449.248	1
1186_1186	1186	1186	-34.731	-0.302	0.06	0.081	-0.046	-492.854	1
1186_1187	1186	1187	-60.937	-20.274	-0.052	-0.316	-0.266	-247.9	1
1187_1187	1187	1187	-66.943	-3.573	0.071	0.088	0.391	-606.398	1
1187_1188	1187	1188	-50.639	-5.505	0.007	0.025	2.093	-377.156	1
1188_1188	1188	1188	-90.546	-5.555	0.037	0.035	1.116	-711.085	1
1188_1189	1188	1189	-47.496	-5.402	-0.006	0.006	2.06	-345.393	1
1189_1189	1189	1189	-105.903	-8.415	0.041	0.075	1.308	-797.38	1
1189_1190	1189	1190	-40.904	-5.408	-0.005	0.001	1.851	-302.398	1
1190_1190	1190	1190	-121.199	-11.051	0.003	-0.04	1.925	-906.131	1
1190_1191	1190	1191	-35.309	-5.04	-0.011	-0.027	1.72	-256.727	1
1191_1191	1191	1191	-132.25	-15.343	0.007	0.074	2.005	-983.261	1
1191_1192	1191	1192	-29.939	-4.743	-0.012	-0.008	1.551	-212.427	1
1192_1192	1192	1192	-140.161	-1.553	0.004	0.08	2.177	-1043.914	1
1192_1193	1192	1193	-25.455	-4.124	-0.011	-0.017	1.32	-166.516	1
1193_1193	1193	1193	-146.252	-5.993	0.003	0.053	2.228	-1082.317	1
1193_1194	1193	1194	-29.646	6	0.016	0.038	1.711	-192.852	1
1194_1194	1194	1194	-147.945	-7.154	0.015	-0.019	2.26	-1091.707	1
1194_1195	1194	1195	-35.971	6.514	0.019	0.038	1.987	-244.148	1
1195_1195	1195	1195	-148.577	-11.526	0.016	0.032	2.419	-1093.175	1
1195_1196	1195	1196	-42.68	6.893	0.02	0.042	2.253	-298.222	1
1196_1196	1196	1196	-145.331	-12.804	0.004	-0.129	2.57	-1068.688	1
1196_1197	1196	1197	-50.363	7.166	0.019	0.012	2.487	-352.104	1
1197_1197	1197	1197	-140.166	-17.378	0.007	-0.002	2.6	-1030.147	1
1197_1198	1197	1198	-58.161	7.268	0.02	0.038	2.711	-405.357	1
1198_1198	1198	1198	-131.484	-19.087	-0.048	-0.144	2.64	-967.43	1
1198_1199	1198	1199	-68.432	7.581	0.007	0.002	2.807	-473.737	1
1199_1199	1199	1199	-115.237	-24.384	-0.044	-0.114	2.135	-859.716	1
1199_1200	1199	1200	-70.749	7.5	0.007	-0.018	3.085	-505.102	1
1200_1200	1200	1200	-102.654	-25.762	-0.068	-0.224	1.797	-794.965	1
1200_1201	1200	1201	-72.048	7.438	-0.004	-0.053	3.039	-569.615	1
1201_1201	1201	1201	-69.535	-29.351	-0.092	-0.306	1.747	-752.781	1
1201_1202	1201	1202	-69.99	24.567	0.061	0.556	-0.86	-393.237	1
1202_1202	1202	1202	-41.931	-32.799	0.171	-0.302	1.097	-615.445	1
1202_1203	1202	1203	-81.567	27.727	-0.233	0.553	-3.52	-621.024	1
1203_1203	1203	1203	-25.679	1.606	0.008	-0.145	2.611	-276.711	1
1203_1204	1203	1204	-89.358	32.724	-0.276	0.808	-7.188	-900.533	1
1204_1204	1204	1204	-101.825	-3.603	-0.462	-0.092	14.787	-442.286	1
1204_1205	1204	1205	-12.968	-23.057	0	-0.321	1.654	-333.64	1
1205_1205	1205	1205	-109.095	-6.267	-0.413	0.121	8.891	-519.419	1
1205_1206	1205	1206	-10.002	-0.307	0.072	0.085	-1.831	-104.752	1
1206_1206	1206	1206	-114.139	-8.771	-0.402	0.171	5.265	-571.31	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1206_1207	1206	1207	-9.791	-0.278	0.067	0.08	-1.183	-98.372	1
1207_1207	1207	1207	-118.267	-10.883	-0.08	-0.02	1.809	-616.557	1
1207_1208	1207	1208	-9.601	-0.264	0.064	0.075	-0.674	-97.021	1
1208_1208	1208	1208	-121.674	-13.858	-0.067	-0.058	0.914	-655.863	1
1208_1209	1208	1209	-9.415	-0.25	0.061	0.059	-0.146	-93.028	1
1209_1209	1209	1209	-123.829	-17.094	-0.059	-0.003	0.187	-684.209	1
1209_1210	1209	1210	-9.236	-0.238	0.06	0.058	0.353	-89.646	1
1210_1210	1210	1210	-125.152	-18.846	-0.015	-0.065	-0.387	-702.935	1
1210_1211	1210	1211	-9.139	-0.18	0.057	0.056	0.693	-88.96	1
1211_1211	1211	1211	-126.032	-21.505	-0.006	-0.165	-0.503	-714.065	1
1211_1212	1211	1212	-9.042	-0.18	0.056	0.039	1.029	-88.27	1
1212_1212	1212	1212	-127.223	-9.816	0.011	0.017	-0.509	-717.565	1
1212_1213	1212	1213	-8.945	-0.18	0.056	0.039	1.364	-87.581	1
1213_1213	1213	1213	-127.59	-12.603	0.007	0.19	-0.397	-713.721	1
1213_1214	1213	1214	-8.859	-0.153	0.053	0.051	1.64	-80.413	1
1214_1214	1214	1214	-127.306	-13.58	0.056	-0.111	-0.284	-702.99	1
1214_1215	1214	1215	-8.768	-0.128	0.057	0.03	2.098	-79.757	1
1215_1215	1215	1215	-126.634	-17.079	0.061	0.039	0.357	-683.895	1
1215_1216	1215	1216	-8.676	-0.128	0.058	0.042	2.558	-79.1	1
1216_1216	1216	1216	-125.119	-20.314	0.074	-0.006	1.115	-655.341	1
1216_1217	1216	1217	-8.583	-0.128	0.057	0.03	3.016	-78.443	1
1217_1217	1217	1217	-122.385	-22.687	0.373	-0.191	2.043	-615.819	1
1217_1218	1217	1218	-8.926	0.585	0.038	0.037	0.345	28.258	1
1218_1218	1218	1218	-118.857	-25.453	0.39	-0.138	5.414	-570.089	1
1218_1219	1218	1219	-17.563	22.413	0.013	0.245	1.863	-325.518	1
1219_1219	1219	1219	-113.975	-28.006	0.417	-0.052	9.226	-505.122	1
1219_1220	1219	1220	-36.424	25.841	-0.036	0.303	0.369	-463.744	1
1220_1220	1220	1220	-33.4	-5.939	-0.015	-0.063	-0.897	-299.045	1
1220_1221	1220	1221	-81.724	-29.691	0.211	-0.455	-3.266	-650.433	1
1221_1221	1221	1221	-33.242	-6.44	-0.007	-0.201	-1.077	-237.802	1
1221_1222	1221	1222	-69.41	-24.123	0.171	-0.665	-0.831	-408.556	1
1222_1222	1222	1222	-47.568	-0.07	0.082	0.343	0.443	-599.471	1
1222_1223	1222	1223	-69.596	-6.259	0.019	0.389	3.973	-601.272	1
1223_1223	1223	1223	-85.458	-3.097	0.063	0.027	0.788	-699.306	1
1223_1224	1223	1224	-76.179	-6.199	0.011	-0.048	2.753	-506.584	1
1224_1224	1224	1224	-111.608	-5.759	0.034	0.251	1.477	-809.58	1
1224_1225	1224	1225	-72.33	-6.797	-0.012	0.137	2.648	-469.976	1
1225_1225	1225	1225	-118.112	-9.81	0.036	-0.017	1.929	-940.724	1
1225_1226	1225	1226	-57.925	-6.937	-0.015	-0.089	2.659	-423.037	1
1226_1226	1226	1226	-135.269	-12.482	0	0.295	2.661	-1077.015	1
1226_1227	1226	1227	-50.173	-6.861	-0.016	0.077	2.459	-362.933	1
1227_1227	1227	1227	-145.617	-17.007	-0.01	-0.291	2.744	-1159.374	1
1227_1228	1227	1228	-42.537	-6.697	-0.017	-0.154	2.227	-304.015	1
1228_1228	1228	1228	-152.007	-19.626	0.004	0.059	2.644	-1211.666	1
1228_1229	1228	1229	-35.146	-6.38	-0.015	-0.017	1.981	-242.316	1
1229_1229	1229	1229	-155.175	-24.478	-0.002	-0.332	2.741	-1239.932	1
1229_1230	1229	1230	-40.104	7.365	0.015	0.069	2.235	-310.798	1
1230_1230	1230	1230	-152.864	-27.285	-0.023	-0.129	2.758	-1228.125	1
1230_1231	1230	1231	-48.691	7.796	-0.002	0.177	2.282	-384.496	1
1231_1231	1231	1231	-147.56	-15.906	-0.035	-0.286	2.398	-1191.477	1
1231_1232	1231	1232	-57.641	8.051	-0.006	0.013	2.229	-456.773	1
1232_1232	1232	1232	-138.049	-18.623	-0.07	0.067	1.892	-1120.464	1
1232_1233	1232	1233	-65.037	8.223	-0.015	0.213	2.076	-511.33	1
1233_1233	1233	1233	-129.709	-22.111	-0.077	-0.273	1.14	-1056.2	1
1233_1234	1233	1234	-73.732	8.325	-0.019	-0.003	1.843	-576.39	1
1234_1234	1234	1234	-115.828	-25.915	-0.133	-0.53	0.429	-968.947	1
1234_1235	1234	1235	-74.861	8.27	-0.037	-0.268	2.893	-597.98	1
1235_1235	1235	1235	-111.044	-26.237	0.161	-0.087	0.043	-939.406	1
1235_1236	1235	1236	-76.016	8.084	0.075	0.035	3.392	-644.482	1
1236_1236	1236	1236	-96.778	-28.375	0.149	-0.213	1.257	-880.3	1
1236_1237	1236	1237	-77.74	8.156	0.072	-0.091	4.082	-703.543	1
1237_1237	1237	1237	-62.649	-30.924	0.203	-0.836	4.162	-868.431	1
1237_1238	1237	1238	-63.122	8.392	0.103	-0.734	6.792	-805.824	1
1238_1238	1238	1238	-53.072	-28.75	-0.793	-0.316	5.117	-815.086	1
1238_1239	1238	1239	-67.218	26.529	0.342	0.949	0.038	-497.002	1
1239_1239	1239	1239	-34.577	-31.747	-0.812	-0.348	-3.641	-705.35	1
1239_1240	1239	1240	-76.03	29.714	0.424	0.668	4.987	-714.306	1
1240_1240	1240	1240	-25.881	1.064	0.161	-0.469	2.114	-279.561	1
1240_1241	1240	1241	-79.503	26.655	-0.841	2.457	-4.215	-953.125	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1241_1241	1241	1241	-119.707	-10.022	0.593	2.089	9.989	-648.773	1
1241_1242	1241	1242	-11.307	-1.291	0.052	0.123	0.724	26.786	1
1242_1242	1242	1242	-121.438	-12.772	0.555	1.95	14.355	-683.272	1
1242_1243	1242	1243	-10.808	-1.285	0.052	0.121	0.839	28.342	1
1243_1243	1243	1243	-121.39	-10.137	-0.757	0.093	15.903	-695.018	1
1243_1244	1243	1244	-9.968	-1.115	-0.087	-0.1	0.009	34.258	1
1244_1244	1244	1244	-124.206	-12.874	-0.721	-0.222	8.247	-742.436	1
1244_1245	1244	1245	-9.072	-1.105	-0.076	-0.077	-0.79	41.425	1
1245_1245	1245	1245	-126.14	-15.538	-0.145	-0.011	0.122	-781.387	1
1245_1246	1245	1246	-8.31	-1.025	-0.024	-0.102	-1.009	46.219	1
1246_1246	1246	1246	-127.271	-18.971	-0.113	-0.352	-1.685	-809.122	1
1246_1247	1246	1247	-7.535	-1.009	-0.013	-0.07	-1.116	51.532	1
1247_1247	1247	1247	-127.811	-21.963	-0.001	-0.161	-3.065	-824.774	1
1247_1248	1247	1248	-7.305	-0.046	-0.056	-0.055	0.737	-80.571	1
1248_1248	1248	1248	-129.479	-9.531	-0.003	-0.002	-3.285	-829.075	1
1248_1249	1248	1249	-7.268	-0.046	-0.057	-0.087	0.139	-80.234	1
1249_1249	1249	1249	-130.869	-13.183	0.47	0.244	-3.163	-821.771	1
1249_1250	1249	1250	-7.234	-0.047	-0.028	-0.054	-0.135	-77.03	1
1250_1250	1250	1250	-131.184	-17.084	0.504	-0.219	2.037	-799.298	1
1250_1251	1250	1251	-7.201	-0.047	-0.029	-0.115	-0.402	-76.727	1
1251_1251	1251	1251	-130.719	-16.845	0.241	0.175	6.867	-767.44	1
1251_1252	1251	1252	-7.364	0.231	-0.09	-0.067	-1.35	-81.122	1
1252_1252	1252	1252	-131.865	-20.367	0.345	-0.121	10.092	-743.204	1
1252_1253	1252	1253	-7.818	19.686	0.251	0.365	6.703	-425.721	1
1253_1253	1253	1253	-131.222	-24.002	0.401	0.152	15.037	-692.177	1
1253_1254	1253	1254	-12.895	21.402	0.228	0.448	5.91	-455.942	1
1254_1254	1254	1254	-130.423	-20.946	-0.329	-3.554	16.778	-675.552	1
1254_1255	1254	1255	-23.626	22.098	-0.127	-0.074	4.395	-544.54	1
1255_1255	1255	1255	-38.887	-5.391	0.048	-0.265	-1.393	-342.785	1
1255_1256	1255	1256	-80.252	-27.415	0.865	-1.862	-2.386	-815.674	1
1256_1256	1256	1256	-39.127	-5.823	0.055	-0.358	-0.999	-303.843	1
1256_1257	1256	1257	-76.323	-24.414	0.768	-1.803	3.219	-661.596	1
1257_1257	1257	1257	-38.895	-6.326	-0.019	-0.123	-0.624	-267.474	1
1257_1258	1257	1258	-67.401	-23.937	0.055	-0.44	2.914	-453.486	1
1258_1258	1258	1258	-50.244	-0.936	0.081	0.068	-6.439	-757.405	1
1258_1259	1258	1259	-72.246	-7.668	0.052	0.09	-0.131	-785.064	1
1259_1259	1259	1259	-91.143	-3.293	0.349	0.14	-4.517	-819.509	1
1259_1260	1259	1260	-85.512	-7.837	0.184	0.165	1.857	-647.775	1
1260_1260	1260	1260	-114.035	-6.304	0.379	0.08	-1.139	-919.937	1
1260_1261	1260	1261	-80.71	-8.228	0.183	0.005	3.59	-594.292	1
1261_1261	1261	1261	-134.24	-9.275	0.303	0.125	1.876	-945.295	1
1261_1262	1261	1262	-81.023	-8.427	0.138	-0.046	3.156	-543.06	1
1262_1262	1262	1262	-137.895	-9.505	-0.005	0.234	2.864	-971.637	1
1262_1263	1262	1263	-71.941	-8.588	-0.022	0.093	2.907	-485.978	1
1263_1263	1263	1263	-149.57	-13.042	-0.013	-0.052	2.901	-1054.946	1
1263_1264	1263	1264	-62.281	-8.51	-0.024	-0.085	2.62	-422.542	1
1264_1264	1264	1264	-158.954	-15.542	-0.004	0.147	2.811	-1123.417	1
1264_1265	1264	1265	-53.077	-8.369	-0.016	0.02	2.438	-362.856	1
1265_1265	1265	1265	-166.333	-19.683	-0.014	-0.193	2.799	-1177.786	1
1265_1266	1265	1266	-44.038	-8.268	-0.018	-0.115	2.225	-303.176	1
1266_1266	1266	1266	-169.404	-22.194	-0.012	-0.025	2.621	-1203.785	1
1266_1267	1266	1267	-35.112	-7.857	-0.018	-0.042	1.959	-239.591	1
1267_1267	1267	1267	-169.773	-26.604	-0.022	-0.244	2.427	-1211.706	1
1267_1268	1267	1268	-35.346	8.255	-0.007	0.079	1.765	-325.596	1
1268_1268	1268	1268	-165.33	-29.388	-0.038	-0.12	2.06	-1187.991	1
1268_1269	1268	1269	-45.555	8.271	-0.011	0.145	1.611	-390.776	1
1269_1269	1269	1269	-156.49	-34.396	-0.053	-0.4	1.368	-1135.485	1
1269_1270	1269	1270	-54.524	8.271	-0.017	0.011	1.415	-447.342	1
1270_1270	1270	1270	-145.299	-20.776	0.234	-0.021	0.235	-1062.749	1
1270_1271	1270	1271	-61.597	8.15	0.091	0.125	2.247	-491.957	1
1271_1271	1271	1271	-135.281	-23.758	0.216	-0.217	2.242	-995.773	1
1271_1272	1271	1272	-70.207	8.15	0.086	-0.007	3.207	-546.27	1
1272_1272	1272	1272	-110.787	-27.232	0.261	-0.503	5.832	-982.258	1
1272_1273	1272	1273	-66.184	8.207	0.111	-0.221	4.829	-618.686	1
1273_1273	1273	1273	-104.35	-23.894	-0.092	-0.089	6.667	-940.43	1
1273_1274	1273	1274	-69.595	9.561	0.015	0.089	4.953	-672.956	1
1274_1274	1274	1274	-92.04	-26.421	-0.072	-0.257	5.596	-883.016	1
1274_1275	1274	1275	-70.047	9.657	0.011	-0.107	5.03	-731.637	1
1275_1275	1275	1275	-63.266	-28.675	-0.09	-1.08	7.482	-894.613	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1275_1276	1275	1276	-58.541	22.507	0.222	0.739	-6.18	-360.827	1
1276_1276	1276	1276	-55.536	-26.346	-1.43	-0.395	7.074	-853.969	1
1276_1277	1276	1277	-68.834	24.483	0.938	1.015	4.347	-533.765	1
1277_1277	1277	1277	-35.55	-29.739	-1.416	-0.313	-9.695	-745.379	1
1277_1278	1277	1278	-76.836	26.843	1.054	0.343	18.663	-768.965	1
1278_1278	1278	1278	-26.777	5.107	-0.454	0.741	5.294	-301.16	1
1278_1279	1278	1279	-78.826	24.865	-1.94	3.222	2.201	-935.836	1
1279_1279	1279	1279	-116.355	-10.575	1.194	1.919	-0.797	-680.7	1
1279_1280	1279	1280	-7.266	-1.498	0.192	0.27	0.98	34.391	1
1280_1280	1280	1280	-117.67	-13.093	1.041	1.648	9.176	-693.094	1
1280_1281	1280	1281	-6.127	-1.448	0.168	0.225	1.744	35.251	1
1281_1281	1281	1281	-109.074	-13.028	-1.113	0.141	26.897	-745.287	1
1281_1282	1281	1282	-6.5	-1.202	-0.204	-0.093	0.941	55.336	1
1282_1282	1282	1282	-109.32	-16.887	-0.939	-0.315	11.737	-775.82	1
1282_1283	1282	1283	-5.515	-1.202	-0.192	-0.048	-1.392	65.983	1
1283_1283	1283	1283	-108.309	-18.08	-0.009	-0.013	0.558	-784.779	1
1283_1284	1283	1284	-4.638	-1.039	0.031	-0.11	-0.952	71.515	1
1284_1284	1284	1284	-111.765	-6.725	0.013	-0.213	0.504	-795.88	1
1284_1285	1284	1285	-3.892	-0.997	0.044	-0.043	-0.394	74.288	1
1285_1285	1285	1285	-116.126	-8.758	0.081	0.33	0.428	-810.633	1
1285_1286	1285	1286	-3.501	0.346	0.136	0.12	4.111	-132.218	1
1286_1286	1286	1286	-120.736	-13.382	0.201	-0.172	1.914	-816.561	1
1286_1287	1286	1287	-3.743	0.346	0.127	0.01	5.431	-134.841	1
1287_1287	1287	1287	-123.923	-14.906	0.331	0.294	5.177	-801.083	1
1287_1288	1287	1288	-3.94	0.247	0.057	0.124	6.665	-151.012	1
1288_1288	1288	1288	-130.22	-12.965	0.525	-0.172	13.027	-758.368	1
1288_1289	1288	1289	-4.128	18.83	0.155	0.256	10.782	-461.42	1
1289_1289	1289	1289	-133.847	-14.355	-0.958	-1.007	21.322	-733.522	1
1289_1290	1289	1290	-9.221	20.142	-0.303	0.16	8.101	-502.13	1
1290_1290	1290	1290	-135.346	-15.56	-1.016	-1.422	18.939	-736.887	1
1290_1291	1290	1291	-19.904	21.567	-0.29	0.024	4.47	-649.793	1
1291_1291	1291	1291	-18.042	-0.975	0.016	0.142	2.842	-434.605	1
1291_1292	1291	1292	-54.344	-8.126	-1.191	1.972	-5.768	-1209.176	1
1292_1292	1292	1292	-24.726	3.453	0.838	0.268	-16.615	-622.918	1
1292_1293	1292	1293	-62.485	-6.363	0.391	1.06	-0.517	-1121.69	1
1293_1293	1293	1293	-45.041	0.948	0.841	-0.323	-7.107	-865.23	1
1293_1294	1293	1294	-67.468	-6.402	0.387	-0.427	3.948	-1051.493	1
1294_1294	1294	1294	-65.536	-1.575	0.054	1.258	1.277	-1068.292	1
1294_1295	1294	1295	-68.379	-7.144	0.01	1.233	3.937	-1007.145	1
1295_1295	1295	1295	-92.501	16.342	0.09	0.194	0.252	-1122.342	1
1295_1296	1295	1296	-78.64	-7.161	0.005	-0.011	2.748	-893.441	1
1296_1296	1296	1296	-106.239	14.028	0.096	0.018	0.924	-1246.424	1
1296_1297	1296	1297	-74.582	-7.293	0.003	-0.215	2.799	-847.763	1
1297_1297	1297	1297	-119.42	13.121	0.038	1.015	1.885	-1392.984	1
1297_1298	1297	1298	-72.75	-7.115	0.028	0.443	2.91	-827.615	1
1298_1298	1298	1298	-105.939	11.917	0.047	1.078	3.245	-1570.82	1
1298_1299	1298	1299	-58.506	-7.173	0.041	0.341	4.83	-844.325	1
1299_1299	1299	1299	-115.911	9.102	0.02	-0.418	3.759	-1711.953	1
1299_1300	1299	1300	-53.901	-7.108	0.038	-0.47	5.327	-778.484	1
1300_1300	1300	1300	-127.824	7.279	-0.076	1.399	3.839	-1880.192	1
1300_1301	1300	1301	-48.921	-7.032	-0.067	0.343	4.447	-709.569	1
1301_1301	1301	1301	-139.018	2.723	-0.101	-0.846	2.699	-2037.467	1
1301_1302	1301	1302	-44.64	-7.022	-0.07	-0.512	3.656	-649.908	1
1302_1302	1302	1302	-145.601	1.397	-0.051	1.48	1.389	-2129.308	1
1302_1303	1302	1303	-39.706	-6.813	-0.067	0.243	2.757	-581.149	1
1303_1303	1303	1303	-151.226	-3.452	-0.077	-1.439	0.61	-2206.515	1
1303_1304	1303	1304	-35.675	-6.779	-0.071	-0.574	1.981	-523.887	1
1304_1304	1304	1304	-153.008	-22.481	-0.063	0.759	-0.121	-2231.846	1
1304_1305	1304	1305	-31.076	-6.532	-0.094	0.08	0.759	-458.279	1
1305_1305	1305	1305	-154.371	-27.122	-0.086	-1.669	-1.213	-2249.934	1
1305_1306	1305	1306	-27.062	-6.493	-0.097	-0.465	-0.343	-401.199	1
1306_1306	1306	1306	-151.724	-28.229	-0.084	0.454	-2.397	-2211.193	1
1306_1307	1306	1307	-23.109	-6.177	-0.135	-0.021	-1.93	-344.374	1
1307_1307	1307	1307	-147.055	-32.7	-0.101	-1.582	-3.427	-2142.762	1
1307_1308	1307	1308	-18.943	-6.084	-0.136	-0.375	-3.623	-283.457	1
1308_1308	1308	1308	-137.221	-34.763	-0.065	0.095	-4.631	-2000.7	1
1308_1309	1308	1309	-15.196	-5.612	-0.086	-0.097	-4.563	-224.395	1
1309_1309	1309	1309	-124.548	-39.773	-0.088	-1.791	-5.228	-1817.407	1
1309_1310	1309	1310	-11.591	-5.144	-0.084	-0.322	-5.313	-163.071	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1310_1310	1310	1310	-106.031	-43.192	0.218	-0.429	-6.06	-1550.738	1
1310_1311	1310	1311	-8.144	-4.541	-0.192	-0.104	-7.132	-101.32	1
1311_1311	1311	1311	-82.304	-54.876	0.194	-1.69	-3.152	-1215.998	1
1311_1312	1311	1312	-5.251	-3.822	-0.232	-0.174	-9.96	-52.31	1
1312_1312	1312	1312	-52.034	-60.458	0.042	-0.95	-0.749	-781.937	1
1312_1313	1312	1313	-11.728	24.334	0.091	1.324	0	-47.81	1
1400_1020	1400	1020	-21.322	-1.331	0.492	0.04	-18.131	-112.001	1
1400_1401	1400	1401	-104.169	8.618	-13.429	-0.318	57.751	40.183	1
1401_1401	1401	1401	-21.28	-1.415	1.071	-0.347	-15.94	-106.54	1
1401_1402	1401	1402	-104.212	7.916	-4.293	1.113	43.097	12.52	1
1402_1402	1402	1402	-21.24	-1.928	1.053	0.033	-12.182	-101.607	1
1402_1403	1402	1403	-104.369	5.397	-4.379	0.061	-4.702	-46.401	1
1403_1403	1403	1403	-21.591	-2.649	0.092	-0.056	-0.804	-81.274	1
1403_1404	1403	1404	-99.718	2.349	0.117	0.227	-2.749	-63.326	1
1404_1404	1404	1404	-21.524	-3.151	0.106	-0.09	-0.151	-62.171	1
1404_1405	1404	1405	-99.746	0.027	0.177	0.253	-1.482	-63.524	1
1405_1405	1405	1405	-22.954	-4.021	-0.086	-0.079	0.549	-39.502	1
1405_1406	1405	1406	-93.537	-3.124	0.135	0.178	1.361	-18.495	1
1406_1406	1406	1406	-24.396	-4.895	-1.078	-0.155	-0.744	18.464	1
1406_1407	1406	1407	-88.326	-6.222	0.415	0.197	5.846	36.645	1
1407_1407	1407	1407	-24.288	-5.405	-1.064	0.093	-10.283	61.844	1
1407_1408	1407	1408	-88.176	-8.072	0.463	0.094	8.432	81.501	1
1408_1408	1408	1408	-27.732	0.164	1.403	-1.317	-16.711	92.036	1
1408_1409	1408	1409	-94.346	7.263	4.268	-0.239	-2.03	136.024	1
1409_1409	1409	1409	-27.739	-0.382	0.605	1.275	-12.464	91.949	1
1409_1410	1409	1410	-94.53	-8.047	4.137	0.198	10.474	160.25	1
1410_1410	1410	1410	-27.272	5.348	0.666	-0.208	-10.37	92.953	1
1410_1411	1410	1411	-99.815	12.126	-0.667	-0.151	5.886	92.854	1
1411_1411	1411	1411	-27.376	4.778	0.717	0.04	-6.716	63.225	1
1411_1412	1411	1412	-100.047	10.042	-0.488	-0.115	1.488	3.886	1
1412_1412	1412	1412	-28.483	3.825	0.052	-0.042	-0.558	20.893	1
1412_1413	1412	1413	-106.244	6.545	-0.082	-0.144	-0.591	-90.453	1
1413_1413	1413	1413	-29.629	2.854	0.192	-0.051	-0.003	-34.203	1
1413_1414	1413	1414	-113.436	3.047	0.157	-0.257	-0.413	-112.425	1
1414_1414	1414	1414	-29.688	2.163	0.172	-0.047	1.366	-54.775	1
1414_1415	1414	1415	-113.476	0.405	0.082	-0.173	0.148	-115.343	1
1415_1415	1415	1415	-28.874	1.224	1.734	0.271	2.477	-70.218	1
1415_1416	1415	1416	-118.415	-3.07	4.055	0.152	43.389	-81.811	1
1416_1416	1416	1416	-28.875	0.542	2.039	-1.111	21.653	-83.527	1
1416_1417	1416	1417	-118.261	-5.856	5.285	-1.726	62.016	-61.282	1
1417_1417	1417	1417	-28.899	0.379	-0.635	-0.002	29.139	-85.428	1
1417_1036	1417	1036	-118.189	-6.674	10.724	0.222	105.775	-33.935	1
1420_1056	1420	1056	-28.522	0.039	0.665	0.009	14.535	-65.235	1
1420_1421	1420	1421	-113.179	7.564	-11.167	-0.204	43.028	-11.196	1
1421_1421	1421	1421	-28.538	-0.053	-1.163	0.311	17.065	-65.396	1
1421_1422	1421	1422	-113.094	6.908	-3.359	0.867	31.683	-35.276	1
1422_1422	1422	1422	-28.529	-0.731	-1.15	-0.027	13.008	-65.212	1
1422_1423	1422	1423	-113.228	4.221	-3.309	0.099	-4.456	-81.387	1
1423_1423	1423	1423	-28.313	-1.582	-0.064	0.068	0.715	-57.232	1
1423_1424	1423	1424	-107.148	0.976	0.122	0.229	-2.281	-88.415	1
1424_1424	1424	1424	-28.27	-2.228	-0.034	0.015	0.242	-45.84	1
1424_1425	1424	1425	-107.142	-1.469	0.232	0.19	-0.63	-77.813	1
1425_1425	1425	1425	-26.584	-3.112	0.008	0.032	0.265	-29.768	1
1425_1426	1425	1426	-99.656	-4.761	-0.022	0.145	0.105	-9.181	1
1426_1426	1426	1426	-24.949	-3.978	-0.789	-0.044	0.668	15.097	1
1426_1427	1426	1427	-93.386	-7.754	0.228	0.119	3.065	57.739	1
1427_1427	1427	1427	-24.862	-4.499	-0.737	0.185	-6.279	50.343	1
1427_1428	1427	1428	-93.203	-9.703	0.416	0.166	5.428	111.651	1
1428_1428	1428	1428	-24.66	0.634	-0.859	-1.542	-10.451	75.329	1
1428_1429	1428	1429	-87.865	8.268	3.982	-0.269	-2.193	87.871	1
1429_1429	1429	1429	-24.609	-0.57	-1.721	1.525	-13.038	73.737	1
1429_1430	1429	1430	-88.032	-9.058	3.857	0.233	9.496	115.19	1
1430_1430	1430	1430	-22.39	3.989	0.753	-0.175	-10.669	67.201	1
1430_1431	1430	1431	-93.739	9.402	-0.638	-0.113	5.23	52.896	1
1431_1431	1431	1431	-22.467	3.522	0.788	0.025	-6.513	45.033	1
1431_1432	1431	1432	-93.915	7.45	-0.499	-0.146	0.775	-13.091	1
1432_1432	1432	1432	-23.181	2.738	-0.01	-0.042	0.289	13.73	1
1432_1433	1432	1433	-99.906	4.42	0.043	-0.15	0.431	-75.091	1
1433_1433	1433	1433	-24.003	1.954	-0.021	-0.017	-0.03	-25.727	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1433_1434	1433	1434	-107.191	1.109	-0.266	-0.17	-2.559	-83.1	1
1434_1434	1434	1434	-24.042	1.396	0.022	-0.083	-0.162	-39.817	1
1434_1435	1434	1435	-107.188	-1.379	-0.075	-0.258	-3.057	-73.16	1
1435_1435	1435	1435	-22.986	0.642	1.666	0.065	-0.175	-49.65	1
1435_1436	1435	1436	-112.836	-4.904	3.485	-0.089	33.534	-13.926	1
1436_1436	1436	1436	-22.992	0.101	1.706	-0.457	18.051	-56.65	1
1436_1437	1436	1437	-112.683	-7.551	3.679	-0.9	46.345	12.392	1
1437_1437	1437	1437	-22.997	0.019	-0.634	0.035	24.418	-57.025	1
1437_1072	1437	1072	-112.617	-8.269	11.122	0.22	91.512	46.163	1
1440_1094	1440	1094	-26.281	-0.027	0.488	-0.028	16.853	-64.647	1
1440_1441	1440	1441	-114.487	8.012	-10.832	-0.209	33.359	0.546	1
1441_1441	1441	1441	-26.315	-0.129	-1.335	0.325	18.462	-64.541	1
1441_1442	1441	1442	-114.389	7.361	-2.684	0.788	24.465	-25.147	1
1442_1442	1442	1442	-26.304	-0.76	-1.335	-0.006	13.808	-64.093	1
1442_1443	1442	1443	-114.533	4.615	-2.685	0.201	-4.857	-75.566	1
1443_1443	1443	1443	-26.806	-1.6	0.044	0.053	-0.601	-56.231	1
1443_1444	1443	1444	-108.291	1.155	0.221	0.226	-1.838	-87.606	1
1444_1444	1444	1444	-26.763	-2.211	0.04	0.066	-0.283	-44.714	1
1444_1445	1444	1445	-108.289	-1.315	0.206	0.28	-0.345	-78.123	1
1445_1445	1445	1445	-25.714	-3.075	0.031	0.05	0.214	-28.769	1
1445_1446	1445	1446	-101.1	-4.63	-0.069	0.176	-0.243	-11.35	1
1446_1446	1446	1446	-24.774	-3.955	-0.767	-0.016	0.906	15.604	1
1446_1447	1446	1447	-95.135	-7.809	0.197	0.148	2.505	56.661	1
1447_1447	1447	1447	-24.688	-4.464	-0.728	0.179	-5.854	50.631	1
1447_1448	1447	1448	-94.954	-9.765	0.343	0.18	4.454	110.937	1
1448_1448	1448	1448	-25.237	0.81	-0.153	-1.9	-10.118	75.567	1
1448_1449	1448	1449	-89.633	9.186	-3.123	-0.915	-3.994	86.817	1
1449_1449	1449	1449	-25.173	-0.67	-1.419	1.948	-10.587	73.292	1
1449_1450	1449	1450	-89.388	-8.532	-4.744	0.91	-18.34	112.83	1
1450_1450	1450	1450	-22.136	4.473	1.082	-0.023	-14.43	75.279	1
1450_1451	1450	1451	-89.954	9.048	-0.816	-0.047	7.378	50.875	1
1451_1451	1451	1451	-22.224	4.017	1.074	0.135	-8.408	50.412	1
1451_1452	1451	1452	-90.12	7.196	-0.845	-0.214	-0.101	-12.867	1
1452_1452	1452	1452	-21.036	3.195	-0.06	0.086	1.059	14.473	1
1452_1453	1452	1453	-96.272	4.046	0.13	-0.174	0.789	-71.19	1
1453_1453	1453	1453	-19.686	2.415	0.025	0.086	0.227	-31.575	1
1453_1454	1453	1454	-103.727	1.134	-0.191	-0.264	-1.731	-81.338	1
1454_1454	1454	1454	-19.734	1.983	0.027	0.073	0.41	-49	1
1454_1455	1454	1455	-103.727	-1.142	-0.182	-0.232	-3.045	-73.139	1
1455_1455	1455	1455	-19.295	1.26	-0.774	0.034	0.737	-62.32	1
1455_1456	1455	1456	-110.592	-4.425	2.315	-0.213	20.888	-24.725	1
1456_1456	1456	1456	-19.32	0.807	-0.757	0.148	-7.709	-76.105	1
1456_1457	1456	1457	-110.456	-7.019	2.411	-0.725	29.296	-0.227	1
1457_1457	1457	1457	-19.368	0.737	-0.403	-0.034	-10.716	-78.915	1
1457_1110	1457	1110	-110.503	-7.66	10.759	0.169	72.706	31.13	1
1460_1132	1460	1132	-33.1	0.96	0.875	-0.025	13.606	-61.084	1
1460_1461	1460	1461	-133.461	10.497	-8.824	-0.133	25.69	-3.234	1
1461_1461	1461	1461	-33.127	0.815	-1.16	0.239	16.803	-65.016	1
1461_1462	1461	1462	-133.379	9.776	-1.87	0.63	19.716	-37.33	1
1462_1462	1462	1462	-33.135	0.02	-1.19	-0.005	12.778	-67.855	1
1462_1463	1462	1463	-133.573	6.574	-1.99	0.191	-1.999	-109.115	1
1463_1463	1463	1463	-34.614	-0.965	0.022	-0.034	0.333	-68.312	1
1463_1464	1463	1464	-129.526	2.452	0.131	0.039	1.007	-134.298	1
1464_1464	1464	1464	-34.582	-1.768	-0.08	0.132	0.55	-61.358	1
1464_1465	1464	1465	-129.548	-0.557	-0.244	0.405	-0.616	-130.282	1
1465_1465	1465	1465	-34.418	-2.949	0.016	0.025	0.176	-48.604	1
1465_1466	1465	1466	-124.201	-4.715	0.017	0.11	0.807	-62.333	1
1466_1466	1466	1466	-34.306	-4.164	-0.367	0.018	0.593	-6.107	1
1466_1467	1466	1467	-119.725	-8.935	-0.647	0.057	-3.938	16.804	1
1467_1467	1467	1467	-34.212	-4.867	-0.436	0.014	-2.681	30.764	1
1467_1468	1467	1468	-119.514	-11.393	-0.883	0.106	-8.857	80.127	1
1468_1468	1468	1468	-35.038	2.442	0.064	-0.688	-5.224	58.131	1
1468_1469	1468	1469	-116.568	13.044	-2.973	-0.023	-17.863	42.232	1
1469_1469	1469	1469	-27.876	-2.341	0.328	0.455	-4.429	25.753	1
1469_1470	1469	1470	-101.9	-12.711	3.195	-0.321	-5.703	38.3	1
1470_1470	1470	1470	-27.708	3.496	0.289	-0.016	-3.365	32.568	1
1470_1471	1470	1471	-105.391	8.484	0.581	-0.107	-2.496	-13.868	1
1471_1471	1471	1471	-27.774	2.926	0.259	0.006	-1.75	13.135	1
1471_1472	1471	1472	-105.543	6.315	0.469	-0.042	1.646	-69.79	1

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1472_1472	1472	1472	-28.18	1.935	-0.012	-0.007	0.364	-12.793	1
1472_1473	1472	1473	-109.903	2.847	0.001	-0.094	0.773	-109.414	1
1473_1473	1473	1473	-28.631	0.98	0.011	-0.017	0.008	-40.698	1
1473_1474	1473	1474	-115.262	-0.773	-0.14	-0.197	-1.198	-103.834	1
1474_1474	1474	1474	-28.646	0.327	0.015	-0.025	0.091	-47.769	1
1474_1475	1474	1475	-115.214	-3.402	-0.127	-0.181	-2.114	-79.344	1
1475_1475	1475	1475	-28.417	-0.554	0.496	-0.01	0.027	-49.968	1
1475_1476	1475	1476	-120.7	-7.153	1.561	-0.202	13.627	4.743	1
1476_1476	1476	1476	-28.396	-1.235	0.476	-0.109	5.431	-43.921	1
1476_1477	1476	1477	-120.495	-10.047	1.477	-0.532	18.772	39.79	1
1477_1477	1477	1477	-28.379	-1.329	-0.684	-0.019	7.146	-39.608	1
1477_1148	1477	1148	-120.722	-10.653	9.483	0.124	56.846	83.434	1
1480_1168	1480	1168	-32.1	1.264	0.493	0.021	5.491	-46.503	1
1480_1481	1480	1481	-122.597	10.396	-10.115	-0.172	17.526	25.036	1
1481_1481	1481	1481	-32.072	1.156	-0.441	0.012	7.42	-51.686	1
1481_1482	1481	1482	-122.704	9.696	-1.24	0.504	14.04	-8.789	1
1482_1482	1482	1482	-32.089	0.387	-0.539	0.042	5.929	-55.713	1
1482_1483	1482	1483	-122.897	6.753	-1.61	0.194	-3.53	-82.534	1
1483_1483	1483	1483	-32.165	-0.596	-0.007	0.018	0.255	-59.94	1
1483_1484	1483	1484	-117.057	3.201	0.174	0.161	-1.066	-105.597	1
1484_1484	1484	1484	-32.143	-1.343	-0.012	0.021	0.209	-55.647	1
1484_1485	1484	1485	-117.099	0.48	0.158	0.2	0.08	-109.058	1
1485_1485	1485	1485	-31.483	-2.439	0.012	0.006	0.34	-46.026	1
1485_1486	1485	1486	-111.312	-3.263	-0.013	0.091	0.889	-62.021	1
1486_1486	1486	1486	-30.804	-3.543	-0.375	-0.002	0.723	-10.858	1
1486_1487	1486	1487	-106.418	-7.032	-0.572	0.04	-3.303	0.259	1
1487_1487	1487	1487	-30.723	-4.174	-0.437	0.012	-2.614	20.511	1
1487_1488	1487	1488	-106.249	-9.216	-0.781	0.107	-7.64	51.485	1
1488_1488	1488	1488	-30.772	2.254	-0.656	-0.565	-5.09	43.889	1
1488_1489	1488	1489	-102.327	12.064	-3.916	0.282	-19.497	20.227	1
1489_1489	1489	1489	-31.161	-2.364	0.121	0.72	-6.013	40.731	1
1489_1490	1489	1490	-105.914	-12.649	3.711	-0.147	-8.028	55.699	1
1490_1490	1490	1490	-30.583	4.151	0.451	-0.039	-5.538	47.882	1
1490_1491	1490	1491	-109.57	9.349	0.746	-0.116	-3.822	-1.371	1
1491_1491	1491	1491	-30.663	3.521	0.418	-0.002	-3.019	24.813	1
1491_1492	1491	1492	-109.74	7.093	0.629	-0.036	1.748	-64.184	1
1492_1492	1492	1492	-30.872	2.427	-0.02	-0.018	0.522	-6.367	1
1492_1493	1492	1493	-114.471	3.206	-0.003	-0.091	0.878	-110.38	1
1493_1493	1493	1493	-31.133	1.363	-0.027	-0.03	0.083	-41.339	1
1493_1494	1493	1494	-120.096	-0.648	-0.165	-0.188	-1.248	-105.704	1
1494_1494	1494	1494	-31.157	0.639	-0.023	-0.034	-0.111	-51.17	1
1494_1495	1494	1495	-120.049	-3.439	-0.148	-0.174	-2.317	-80.916	1
1495_1495	1495	1495	-30.463	-0.32	0.841	0.007	-0.411	-55.429	1
1495_1496	1495	1496	-125.712	-7.066	1.616	-0.185	14.191	-3.734	1
1496_1496	1496	1496	-30.446	-1.051	0.848	-0.214	8.777	-51.93	1
1496_1497	1496	1497	-125.506	-10.08	1.642	-0.526	19.911	31.433	1
1497_1497	1497	1497	-30.407	-1.169	-0.699	0.002	11.933	-48.258	1
1497_1184	1497	1184	-125.719	-10.715	9.967	0.199	60.044	75.332	1
1500_1204	1500	1204	-21.824	0.012	0.208	0.012	9.552	-51.323	1
1500_1501	1500	1501	-114.284	8.209	-11.943	-0.426	32.259	2.219	1
1501_1501	1501	1501	-21.799	-0.051	-0.684	0.226	10.359	-51.365	1
1501_1502	1501	1502	-114.463	7.465	-2.603	0.831	23.852	-23.775	1
1502_1502	1502	1502	-21.792	-0.58	-0.669	-0.002	7.965	-51.188	1
1502_1503	1502	1503	-114.613	4.687	-2.525	0.236	-3.695	-74.924	1
1503_1503	1503	1503	-21.556	-1.24	-0.051	0.043	0.819	-45.123	1
1503_1504	1503	1504	-107.608	1.417	0.121	0.258	-1.63	-85.128	1
1504_1504	1504	1504	-21.522	-1.74	-0.054	0.038	0.457	-36.188	1
1504_1505	1504	1505	-107.612	-1.084	0.106	0.308	-0.854	-77.309	1
1505_1505	1505	1505	-23.332	-3.328	-0.005	-0.092	0.571	-33.997	1
1505_1506	1505	1506	-99.961	-4.411	-0.016	0.187	-0.088	-13.7	1
1506_1506	1506	1506	-25.042	-4.236	-1.248	-0.173	0.409	14.123	1
1506_1507	1506	1507	-93.325	-7.73	0.568	0.168	5.822	54.765	1
1507_1507	1507	1507	-24.951	-4.751	-1.22	0.099	-10.616	51.645	1
1507_1508	1507	1508	-93.145	-9.648	0.669	0.105	9.568	108.387	1
1508_1508	1508	1508	-28.503	1.025	1.832	-2.163	-17.833	78.165	1
1508_1509	1508	1509	-91.712	9.155	5.022	-0.395	-3.467	75.514	1
1509_1509	1509	1509	-28.522	-1.102	0.866	2.203	-12.307	75.107	1
1509_1510	1509	1510	-91.882	-9.768	4.77	0.562	10.869	104.846	1
1510_1510	1510	1510	-28.804	4.892	0.661	-0.184	-9.621	78.382	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1510_1511	1510	1511	-98.447	9.825	-0.724	-0.132	5.829	50.165	1
1511_1511	1511	1511	-28.897	4.299	0.72	0.035	-5.991	51.182	1
1511_1512	1511	1512	-98.63	7.801	-0.53	-0.156	1.089	-18.912	1
1512_1512	1512	1512	-30.489	3.273	0.005	-0.039	0.157	13.06	1
1512_1513	1512	1513	-105.516	4.312	-0.03	-0.182	-0.167	-81.083	1
1513_1513	1513	1513	-32.165	2.257	0.086	-0.044	-0.004	-34.106	1
1513_1514	1513	1514	-113.431	0.809	-0.119	-0.3	-1.936	-86.914	1
1514_1514	1514	1514	-32.209	1.509	0.091	-0.066	0.619	-50.388	1
1514_1515	1514	1515	-113.419	-1.828	-0.102	-0.267	-2.677	-73.74	1
1515_1515	1515	1515	-32.79	0.563	0.897	-0.028	1.074	-61.117	1
1515_1516	1515	1516	-120.865	-5.23	2.52	-0.252	23.743	-16.66	1
1516_1516	1516	1516	-32.795	-0.232	0.875	-0.245	10.85	-67.265	1
1516_1517	1516	1517	-120.704	-8.159	2.439	-0.816	32.234	11.801	1
1517_1517	1517	1517	-32.759	-0.334	-0.582	-0.039	13.974	-66.448	1
1517_1220	1517	1220	-120.979	-8.804	12.15	0.462	81.39	47.896	1
1520_1241	1520	1241	-24.447	-0.552	-0.022	-0.52	14.299	-80.027	1
1520_1521	1520	1521	-118.559	9.41	-4.109	-4.196	8.795	16.611	1
1521_1521	1521	1521	-24.261	-0.623	-0.822	0.516	14.177	-77.532	1
1521_1522	1521	1522	-119.422	8.141	-0.56	0.594	7.764	-10.473	1
1522_1522	1522	1522	-24.242	-1.198	-0.73	-0.034	11.24	-75.375	1
1522_1523	1522	1523	-119.582	5.31	-0.12	0.371	6.458	-68.446	1
1523_1523	1523	1523	-24.45	-1.995	-0.243	0.134	3.332	-62.442	1
1523_1524	1523	1524	-113.039	1.799	-0.496	0.531	4.01	-81.202	1
1524_1524	1524	1524	-24.398	-2.562	-0.198	0.011	1.555	-48.065	1
1524_1525	1524	1525	-113.056	-0.536	-0.286	0.301	1.852	-73.056	1
1525_1525	1525	1525	-23.825	-3.401	-0.103	0.048	0.211	-29.588	1
1525_1526	1525	1526	-106.081	-3.98	0.07	0.318	3.942	-13.678	1
1526_1526	1526	1526	-23.345	-4.22	0.028	-0.021	-1.185	19.472	1
1526_1527	1526	1527	-99.798	-7.767	2.963	0.383	31.313	55.3	1
1527_1527	1527	1527	-23.252	-4.705	0.076	0.107	-0.887	56.868	1
1527_1528	1527	1528	-99.609	-9.837	3.162	-0.163	48.939	109.953	1
1528_1528	1528	1528	-28.431	0.563	2.987	-3.491	-35.865	82.59	1
1528_1529	1528	1529	-101.126	9.664	7.497	-4.758	-40.092	69.839	1
1529_1529	1529	1529	-28.61	-0.806	1.006	3.539	-26.855	79.744	1
1529_1530	1529	1530	-101.654	-11.148	4.469	4.723	-26.588	101.816	1
1530_1530	1530	1530	-29.28	5.189	1.516	-0.324	-24.077	82.334	1
1530_1531	1530	1531	-107.59	9.84	1.782	-0.603	-17.315	41.152	1
1531_1531	1531	1531	-29.378	4.59	1.556	0.064	-15.682	53.472	1
1531_1532	1531	1532	-107.766	7.64	1.925	-0.196	-0.303	-26.512	1
1532_1532	1532	1532	-31.337	3.447	0.183	-0.034	-2.108	12.797	1
1532_1533	1532	1533	-115.101	3.874	0.31	-0.321	3.656	-80.507	1
1533_1533	1533	1533	-33.504	2.385	0.165	-0.003	0.453	-36.849	1
1533_1534	1533	1534	-122.635	-0.203	0.324	-0.322	5.653	-78.933	1
1534_1534	1534	1534	-33.55	1.605	0.193	-0.087	1.655	-54.053	1
1534_1535	1534	1535	-122.597	-3.056	0.425	-0.519	8.729	-56.9	1
1535_1535	1535	1535	-34.979	0.594	0.494	0.007	3.023	-65.467	1
1535_1536	1535	1536	-128.807	-7.064	0.513	-0.396	14.008	20.374	1
1536_1536	1536	1536	-34.982	-0.255	0.561	-0.336	8.45	-71.944	1
1536_1537	1536	1537	-128.596	-10.186	0.756	-0.696	16.623	55.938	1
1537_1537	1537	1537	-34.836	-0.423	-0.143	0.158	10.411	-70.948	1
1537_1255	1537	1255	-129.3	-11.045	4.415	3.36	34.505	101.95	1
1540_1279	1540	1279	-26.655	-1.45	-1.548	-1.228	3.246	-125.224	1
1540_1541	1540	1541	-110.435	7.64	-8.439	-6.441	-26.247	-38.865	1
1541_1541	1541	1541	-27.369	-1.758	0.231	0.267	-2.914	-118.572	1
1541_1542	1541	1542	-114.506	5.893	1.417	0.102	-20.12	-53.328	1
1542_1542	1542	1542	-27.318	-2.422	0.29	0.082	-2.169	-112.432	1
1542_1543	1542	1543	-114.612	3.112	1.656	0.478	-2.059	-87.301	1
1543_1543	1543	1543	-25.824	-3.135	-0.137	0.213	1.163	-86.316	1
1543_1544	1543	1544	-107.014	0.518	-0.098	0.591	-1.743	-82.261	1
1544_1544	1544	1544	-25.744	-3.742	-0.027	-0.052	0.085	-63.713	1
1544_1545	1544	1545	-106.996	-1.998	0.343	0.295	0.627	-67.859	1
1545_1545	1545	1545	-24.647	-4.577	0.088	0.018	0.053	-36.681	1
1545_1546	1545	1546	-100.916	-5.21	0.631	0.325	10.809	9.149	1
1546_1546	1546	1546	-24.089	-5.601	1.337	-0.014	1.561	29.3	1
1546_1547	1546	1547	-96.649	-9.348	5.182	0.452	57.949	92.327	1
1547_1547	1547	1547	-23.969	-6.083	1.377	-0.165	13.452	78.89	1
1547_1548	1547	1548	-96.433	-11.285	5.335	-0.574	87.691	155.077	1
1548_1548	1548	1548	-22.064	-0.821	-1.648	1.99	21.1	112.454	1
1548_1549	1548	1549	-107.039	11.058	7.598	-9.374	-65.13	24.97	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1549_1549	1549	1549	-21.769	1.589	-0.405	-2.301	16.255	116.498	1
1549_1550	1549	1550	-108.719	-14.041	3.164	9.444	-55.98	60.579	1
1550_1550	1550	1550	-19.452	6.17	-0.902	0.157	14.999	111.461	1
1550_1551	1550	1551	-113.853	9.334	3.477	-1.028	-36.791	-0.821	1
1551_1551	1551	1551	-19.591	5.72	-0.873	0.03	9.848	76.547	1
1551_1552	1551	1552	-114.033	6.7	3.633	-0.18	-6.203	-57.281	1
1552_1552	1552	1552	-18.616	4.975	-0.398	0.127	2.459	28.283	1
1552_1553	1552	1553	-118.857	1.587	0.837	-0.443	5.313	-79.71	1
1553_1553	1553	1553	-17.685	4.222	-0.271	0.155	-3.077	-41.82	1
1553_1554	1553	1554	-124.071	-2.708	0.349	-0.447	7.656	-64.132	1
1554_1554	1554	1554	-17.788	3.766	-0.248	0.198	-4.953	-71.565	1
1554_1555	1554	1555	-123.96	-5.896	0.494	-0.72	11.152	-22.568	1
1555_1555	1555	1555	-17.382	3.045	-0.377	0.184	-6.686	-97.096	1
1555_1556	1555	1556	-128.011	-10.607	0.281	-0.599	14.137	90.587	1
1556_1556	1556	1556	-17.461	2.56	-0.335	0.18	-10.61	-129.523	1
1556_1557	1556	1557	-127.666	-14.166	0.57	-0.781	16.012	139.113	1
1557_1557	1557	1557	-17.746	2.472	0.31	0.269	-12.078	-137.83	1
1557_1291	1557	1291	-128.711	-15.398	3.725	1.911	37.049	226.486	1
41000_1000	41000	1000	-1.191	-5.138	0.915	-1.781	0	-9.058	1
41000_1001	41000	1001	-3.198	-24.844	1.033	-8.068	17.56	400.164	1
41001_1001	41001	1001	-1.192	-5.138	0.912	-1.935	15.553	78.319	1
41001_1002	41001	1002	-3.2	-24.844	1.026	-8.854	28.698	669.78	1
41002_1002	41002	1002	-1.255	-5.207	-1.265	-1.617	25.869	135.065	1
41002_1003	41002	1003	-3.261	-26.025	-1.067	-7.36	15.683	987.019	1
41003_1003	41003	1003	-1.254	-5.207	-1.266	-1.779	10.442	198.551	1
41003_1004	41003	1004	-3.26	-26.025	-1.07	-8.165	2.634	1304.359	1
41004_1004	41004	1004	-1.236	-5.245	-0.637	-1.438	-4.998	262.017	1
41004_1005	41004	1005	-3.243	-28.403	-0.463	-5.98	-3.007	1650.642	1
41005_1005	41005	1005	-1.236	-5.245	-0.638	-1.704	-12.763	325.995	1
41005_1006	41005	1006	-3.243	-28.403	-0.465	-7.324	-8.681	1997.1	1
41006_1006	41006	1006	-1.229	-5.424	-0.342	-1.215	-20.299	387.18	1
41006_1007	41006	1007	-3.235	-32.193	-0.094	-3.476	-9.827	2389.424	1
41007_1007	41007	1007	-1.229	-5.424	-0.343	-1.584	-24.463	453.307	1
41007_1008	41007	1008	-3.235	-32.193	-0.097	-5.422	-11.004	2781.954	1
41008_1008	41008	1008	-1.228	-5.676	-0.305	-0.973	-28.64	519.417	1
41008_1009	41008	1009	-3.236	-0.405	-0.269	-0.083	-14.286	2786.744	1
41009_1009	41009	1009	-1.228	-5.676	-0.305	-1.395	-32.353	588.592	1
41009_1010	41009	1010	-3.236	-0.405	-0.272	-2.079	-17.599	2791.686	1
41010_1010	41010	1010	-1.227	-6.016	-0.318	-0.267	-36.079	657.815	1
41010_1011	41010	1011	-3.237	14.356	-0.511	4.673	-23.828	2616.612	1
41011_1011	41011	1011	-1.227	-6.016	-0.32	-1.532	-39.953	731.151	1
41011_1012	41011	1012	-3.236	34.901	-0.517	0.148	-30.121	2191.424	1
41012_1012	41012	1012	-1.226	-6.391	-0.271	-0.848	-43.851	804.441	1
41012_1013	41012	1013	-3.236	36.565	-0.658	4.181	-38.139	1745.542	1
41013_1013	41013	1013	-1.227	-6.391	-0.27	-0.129	-47.154	882.371	1
41013_1014	41013	1014	-3.237	36.565	-0.655	5.602	-46.124	1299.71	1
41014_1014	41014	1014	-1.227	-6.53	-0.125	-0.473	-50.445	960.294	1
41014_1015	41014	1015	-3.237	34.512	0.058	5.531	-45.154	722.183	1
41015_1015	41015	1015	-1.169	-6.54	-0.123	1.476	-52.52	1068.849	1
41015_1016	41015	1016	-3.565	38.781	0.044	7.14	-45.938	593.789	1
41016_1016	41016	1016	-1.059	-6.696	0.393	-0.304	-53.018	1116.435	1
41016_1017	41016	1017	-4.308	48.75	1.574	5.392	-26.052	605.718	1
41017_1017	41017	1017	-0.892	-6.72	0.395	2.73	-48.294	1195.222	1
41017_1018	41017	1018	-5.681	59.936	1.597	6.396	0.491	593.654	1
41018_1018	41018	1018	-0.712	-6.681	-1.083	0.707	-43.203	1284.358	1
41018_1019	41018	1019	-7.184	63.329	-3.492	4.713	-43.821	205.85	1
41019_1019	41019	1019	-0.538	-6.697	-1.081	4.488	-56.505	1368.085	1
41019_1020	41019	1020	-9.054	67.606	-2.98	5.714	-78.168	-233.658	1
41020_1020	41020	1020	-95.931	-4.039	-5.667	-3.671	203.415	-44.715	1
41020_1021	41020	1021	-20.979	0.925	0.57	0.338	-44.418	199.853	1
41021_1021	41021	1021	-95.938	-4.039	-5.555	-2.336	149.564	-29.516	1
41021_1022	41021	1022	-20.979	0.925	0.595	0.427	-39.811	187.614	1
41022_1022	41022	1022	-95.945	-4.039	-5.432	-2.333	106.511	1.789	1
41022_1023	41022	1023	-20.978	0.925	0.621	0.667	-34.995	180.445	1
41023_1023	41023	1023	-95.959	-4.44	-1.93	-2.894	64.418	33.087	1
41023_1024	41023	1024	-20.977	0.901	0.534	0.584	-30.721	173.237	1
41024_1024	41024	1024	-95.959	-4.44	-1.93	-2.894	48.978	68.604	1
41024_1025	41024	1025	-20.977	0.901	0.534	0.584	-26.447	166.03	1
41025_1025	41025	1025	-95.961	-4.44	-1.811	-2.764	33.538	104.124	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41025_1026	41025	1026	-20.976	0.901	0.56	0.791	-21.965	158.824	1
41026_1026	41026	1026	-95.962	-4.793	-1.39	-2.511	19.053	139.635	1
41026_1027	41026	1027	-20.976	0.918	0.471	0.528	-19.14	153.319	1
41027_1027	41027	1027	-95.964	-4.793	-1.214	-2.202	10.719	168.379	1
41027_1028	41027	1028	-20.975	0.918	0.51	0.81	-16.079	147.805	1
41028_1028	41028	1028	-95.964	-4.793	-1.231	-2.237	3.432	197.16	1
41028_1029	41028	1029	-20.975	0.918	0.506	0.783	-13.046	142.302	1
41029_1029	41029	1029	-95.964	-4.793	-1.214	-2.196	-3.948	225.895	1
41029_1030	41029	1030	-20.975	0.918	0.51	0.809	-9.985	136.79	1
41030_1030	41030	1030	-95.968	-4.963	-1.715	-2.003	-11.235	254.681	1
41030_1031	41030	1031	-20.974	0.92	0.561	0.825	-5.503	129.435	1
41031_1031	41031	1031	-95.968	-4.963	-1.702	-1.964	-24.945	294.358	1
41031_1032	41031	1032	-20.974	0.92	0.563	0.842	-0.993	122.072	1
41032_1032	41032	1032	-95.968	-4.963	-1.715	-2.008	-38.571	334.085	1
41032_1033	41032	1033	-20.974	0.92	0.561	0.826	3.489	114.719	1
41033_1033	41033	1033	-95.982	-4.918	-4.269	-2.784	-52.281	373.771	1
41033_1034	41033	1034	-20.973	1.055	0.633	0.381	8.395	106.542	1
41034_1034	41034	1034	-95.987	-4.918	-4.146	-2.256	-85.377	411.9	1
41034_1035	41034	1035	-20.972	1.055	0.66	0.518	13.51	98.364	1
41035_1035	41035	1035	-96.023	-4.918	-3.226	1.258	-117.515	473.869	1
41035_1036	41035	1036	-20.965	1.055	0.861	1.674	21.69	93.537	1
41036_1036	41036	1036	-25.776	10.154	0.644	-3.532	-51.842	1449.707	1
41036_1037	41036	1037	-41.782	-46.964	2.992	-6.185	-38.209	-793.218	1
41037_1037	41037	1037	-26.034	9.471	0.665	-1.328	-43.907	1322.099	1
41037_1038	41037	1038	-40.543	-47.377	2.999	-5.813	-0.847	-227.001	1
41038_1038	41038	1038	-26.278	9.03	-0.498	-2.116	-35.503	1203.44	1
41038_1039	41038	1039	-39.467	-49.435	-1.295	-6.65	-18.125	428.426	1
41039_1039	41039	1039	-26.495	8.375	-0.476	-0.12	-42.171	1081.131	1
41039_1040	41039	1040	-38.238	-47.406	-1.216	-5.906	-33.821	802.204	1
41040_1040	41040	1040	-26.619	7.931	0.263	-0.609	-47.749	982.73	1
41040_1041	41040	1041	-37.429	-48.574	-0.546	-5.919	-38.621	1138.991	1
41041_1041	41041	1041	-26.689	7.693	0.269	-0.063	-45.585	909.831	1
41041_1042	41041	1042	-36.993	-41.009	-0.537	-5.157	-47.432	1797.439	1
41042_1042	41042	1042	-26.691	7.513	0.074	0.146	-41.199	784.384	1
41042_1043	41042	1043	-36.989	-6.063	-0.088	-2.986	-48.483	1870.108	1
41043_1043	41043	1043	-26.691	7.513	0.097	0.723	-40.306	694.372	1
41043_1044	41043	1044	-36.989	-6.063	-0.057	-1.43	-49.166	1942.749	1
41044_1044	41044	1044	-26.69	7.419	0.168	0.698	-39.148	604.377	1
41044_1045	41044	1045	-36.989	8.718	0.07	0.555	-48.327	1838.329	1
41045_1045	41045	1045	-26.69	7.419	0.19	1.127	-37.139	515.504	1
41045_1046	41045	1046	-36.988	27.271	0.101	2.085	-47.12	1511.685	1
41046_1046	41046	1046	-26.69	7.37	0.193	1.106	-34.864	426.645	1
41046_1047	41046	1047	-36.99	24.439	0.067	3.306	-46.313	1218.764	1
41047_1047	41047	1047	-26.69	7.37	0.214	1.365	-32.548	338.307	1
41047_1048	41047	1048	-36.989	24.439	0.096	4.241	-45.167	926.091	1
41048_1048	41048	1048	-26.691	7.364	0.199	1.228	-29.99	250.052	1
41048_1049	41048	1049	-36.989	22.547	0.135	4.179	-43.544	655.882	1
41049_1049	41049	1049	-26.69	7.364	0.242	1.487	-27.602	161.792	1
41049_1050	41049	1050	-36.989	22.547	0.195	5.23	-41.213	385.917	1
41050_1050	41050	1050	-26.692	7.45	0.124	1.255	-24.705	73.621	1
41050_1051	41050	1051	-36.988	21.588	0.282	4.505	-36.619	34.189	1
41051_1051	41051	1051	-26.754	7.221	0.163	1.395	-22.672	-45.406	1
41051_1052	41051	1052	-37.171	21.27	0.335	4.897	-33.814	-137.841	1
41052_1052	41052	1052	-26.873	6.984	0.343	0.976	-21.325	-104.92	1
41052_1053	41052	1053	-37.509	20.564	0.732	3.789	-25.167	-379.53	1
41053_1053	41053	1053	-27.043	6.293	0.376	1.31	-17.268	-178.513	1
41053_1054	41053	1054	-38.023	19.596	0.777	4.216	-14.76	-627.781	1
41054_1054	41054	1054	-27.188	5.547	0.133	1.039	-12.29	-262.013	1
41054_1055	41054	1055	-38.473	18.146	-1.132	3.426	-28.926	-855.24	1
41055_1055	41055	1055	-27.323	4.837	0.156	1.034	-10.619	-331.541	1
41055_1056	41055	1056	-38.963	18.901	-1.282	3.745	-46.793	-1134.503	1
41056_1056	41056	1056	-82.94	-5.491	-5.163	-2.958	175.437	-123.756	1
41056_1057	41056	1057	-20.069	1.156	0.304	0.423	-20.801	176.281	1
41057_1057	41057	1057	-82.943	-5.491	-5.104	-2.718	126.386	-76.316	1
41057_1058	41057	1058	-20.069	1.156	0.319	0.531	-18.332	166.179	1
41058_1058	41058	1058	-82.943	-5.491	-5.104	-2.718	86.852	-33.779	1
41058_1059	41058	1059	-20.069	1.156	0.319	0.531	-15.863	157.222	1
41059_1059	41059	1059	-82.921	-5.757	-1.607	-3.165	47.317	8.764	1
41059_1060	41059	1060	-20.071	1.122	0.084	0.472	-15.191	148.239	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41060_1060	41060	1060	-82.923	-5.757	-1.51	-3.101	34.451	54.863	1
41060_1061	41060	1061	-20.07	1.122	0.107	0.646	-14.333	139.265	1
41061_1061	41061	1061	-82.924	-5.757	-1.4	-2.967	22.376	100.902	1
41061_1062	41061	1062	-20.07	1.122	0.134	0.83	-13.261	130.281	1
41062_1062	41062	1062	-82.923	-6.003	-1.307	-2.935	11.167	146.988	1
41062_1063	41062	1063	-20.071	1.14	0.08	0.534	-12.783	123.444	1
41063_1063	41063	1063	-82.925	-6.003	-1.177	-2.649	3.323	183.02	1
41063_1064	41063	1064	-20.071	1.14	0.111	0.727	-12.118	116.615	1
41064_1064	41064	1064	-82.925	-6.003	-1.169	-2.627	-3.732	218.984	1
41064_1065	41064	1065	-20.071	1.14	0.113	0.739	-11.44	109.776	1
41065_1065	41065	1065	-82.926	-6.003	-1.031	-2.202	-10.748	255.011	1
41065_1066	41065	1066	-20.07	1.14	0.146	0.922	-10.561	102.936	1
41066_1066	41066	1066	-82.933	-6.117	-1.611	-2.562	-16.935	291.033	1
41066_1067	41066	1067	-20.071	1.131	0.073	0.742	-9.974	93.884	1
41067_1067	41067	1067	-82.935	-6.117	-1.507	-2.138	-29.827	339.995	1
41067_1068	41067	1068	-20.071	1.131	0.098	0.859	-9.186	84.829	1
41068_1068	41068	1068	-82.935	-6.117	-1.513	-2.166	-41.89	388.95	1
41068_1069	41068	1069	-20.071	1.131	0.097	0.853	-8.41	75.786	1
41069_1069	41069	1069	-82.969	-6.177	-3.239	-1.595	-53.985	437.854	1
41069_1070	41069	1070	-20.065	1.22	0.496	0.81	-4.564	66.329	1
41070_1070	41070	1070	-82.969	-6.177	-3.239	-1.595	-79.093	485.738	1
41070_1071	41070	1071	-20.065	1.22	0.496	0.81	-0.718	56.871	1
41071_1071	41071	1071	-82.972	-6.177	-3.181	-1.438	-104.201	539.287	1
41071_1072	41071	1072	-20.065	1.22	0.51	0.885	4.126	46.656	1
41072_1072	41072	1072	-15.076	-0.24	-0.192	1.211	34.522	-397.053	1
41072_1073	41072	1073	-35.264	-46.596	3.251	-6.443	-39.16	-666.606	1
41073_1073	41073	1073	-15.065	-0.633	-0.181	0.076	32.151	-394.036	1
41073_1074	41073	1074	-34.035	-47.499	3.274	-5.923	1.757	-71.301	1
41074_1074	41074	1074	-15.178	7.941	-0.428	-2.573	-35.449	1190.496	1
41074_1075	41074	1075	-32.991	-49.566	-1.615	-7.072	-19.752	586.169	1
41075_1075	41075	1075	-15.378	7.549	-0.409	-0.046	-41.221	1080.233	1
41075_1076	41075	1076	-31.771	-47.138	-1.576	-5.587	-39.772	939.334	1
41076_1076	41076	1076	-15.488	7.166	0.107	-1.339	-46.01	991.544	1
41076_1077	41076	1077	-30.987	-49.34	-0.388	-6.391	-43.043	1346.443	1
41077_1077	41077	1077	-15.549	7.033	0.127	0.282	-45.133	937.907	1
41077_1078	41077	1078	-30.563	-40.916	-0.349	-4.427	-48.266	1963.867	1
41078_1078	41078	1078	-15.549	6.92	0.123	-0.176	-43.247	833.652	1
41078_1079	41078	1079	-30.559	-6.708	0.12	-3.52	-46.913	2039.356	1
41079_1079	41079	1079	-15.549	6.92	0.137	0.525	-41.867	755.788	1
41079_1080	41079	1080	-30.559	-6.708	0.149	-1.627	-45.239	2114.896	1
41080_1080	41080	1080	-15.548	6.814	0.201	0.401	-40.323	677.873	1
41080_1081	41080	1081	-30.56	2.239	0.044	-0.328	-44.748	2089.707	1
41081_1081	41081	1081	-15.548	6.814	0.215	0.934	-38.062	601.144	1
41081_1082	41081	1082	-30.56	26.705	0.071	1.526	-43.953	1789	1
41082_1082	41082	1082	-15.548	6.726	0.205	0.652	-35.646	524.429	1
41082_1083	41082	1083	-30.561	23.725	0.007	1.782	-43.864	1501.938	1
41083_1083	41083	1083	-15.548	6.726	0.231	1.384	-33.159	443.038	1
41083_1084	41083	1084	-30.561	23.725	0.058	4.263	-43.166	1214.867	1
41084_1084	41084	1084	-15.548	6.675	0.211	0.986	-30.362	361.662	1
41084_1085	41084	1085	-30.562	21.583	0.022	3.394	-42.923	971.892	1
41085_1085	41085	1085	-15.548	6.675	0.239	1.495	-27.983	286.511	1
41085_1086	41085	1086	-30.562	21.583	0.076	5.119	-42.069	728.909	1
41086_1086	41086	1086	-15.548	6.663	0.24	1.2	-25.293	211.371	1
41086_1087	41086	1087	-30.562	20.167	0.084	4.156	-41.12	501.88	1
41087_1087	41087	1087	-15.547	6.663	0.268	1.442	-22.591	136.355	1
41087_1088	41087	1088	-30.562	20.167	0.139	5.047	-39.561	274.848	1
41088_1088	41088	1088	-15.549	6.722	0.104	1.238	-19.58	61.348	1
41088_1089	41088	1089	-30.562	19.482	0.171	4.294	-37.118	-2.926	1
41089_1089	41089	1089	-15.607	6.586	0.1	1.385	-18.079	-37.604	1
41089_1090	41089	1090	-30.733	20.882	0.169	4.893	-37.209	-150.129	1
41090_1090	41090	1090	-15.718	6.482	0.453	1.007	-17.241	-91.977	1
41090_1091	41090	1091	-31.072	20.302	0.885	3.694	-26.768	-388.679	1
41091_1091	41091	1091	-15.876	6.083	0.461	1.292	-11.893	-165.568	1
41091_1092	41091	1092	-31.575	19.511	0.902	4.304	-14.706	-642.421	1
41092_1092	41092	1092	-16.017	5.58	0.104	1.194	-5.76	-246.246	1
41092_1093	41092	1093	-32.044	19.402	-1.201	3.824	-29.745	-899.797	1
41093_1093	41093	1093	-16.157	5.158	0.128	0.815	-4.477	-316.224	1
41093_1094	41093	1094	-32.567	20.234	-1.318	3.438	-48.317	-1189.956	1
41094_1094	41094	1094	-85.554	-4.768	-4.854	-3.133	166.163	-50.931	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41094_1095	41094	1095	-23.221	-0.839	-0.526	-0.793	2.1	67.534	1
41095_1095	41095	1095	-85.555	-4.768	-4.831	-2.893	120.032	-9.896	1
41095_1096	41095	1096	-23.221	-0.839	-0.52	-0.749	-1.93	72.882	1
41096_1096	41096	1096	-85.567	-4.768	-4.613	-2.824	82.578	27.075	1
41096_1097	41096	1097	-23.222	-0.839	-0.461	-0.563	-5.497	79.382	1
41097_1097	41097	1097	-85.539	-5.047	-1.633	-3.069	46.863	63.99	1
41097_1098	41097	1098	-23.219	-0.774	-0.147	-0.745	-6.677	85.575	1
41098_1098	41098	1098	-85.541	-5.047	-1.526	-2.939	33.796	104.378	1
41098_1099	41098	1099	-23.219	-0.774	-0.118	-0.638	-7.625	91.768	1
41099_1099	41099	1099	-85.541	-5.047	-1.526	-2.939	21.586	144.762	1
41099_1100	41099	1100	-23.219	-0.774	-0.118	-0.638	-8.573	97.96	1
41100_1100	41100	1100	-85.538	-5.407	-0.858	-1.181	9.375	185.136	1
41100_1101	41100	1101	-23.219	-0.811	-0.02	-0.038	-8.693	102.821	1
41101_1101	41101	1101	-85.538	-5.407	-0.861	-1.189	4.228	217.583	1
41101_1102	41101	1102	-23.219	-0.811	-0.021	-0.041	-8.818	107.677	1
41102_1102	41102	1102	-85.523	-5.407	-1.855	-4.094	-0.929	249.945	1
41102_1103	41102	1103	-23.217	-0.811	-0.291	-1.293	-10.563	112.535	1
41103_1103	41103	1103	-85.526	-5.407	-1.712	-3.624	-12.063	282.409	1
41103_1104	41103	1104	-23.217	-0.811	-0.252	-1.105	-12.076	117.403	1
41104_1104	41104	1104	-85.526	-5.628	-1.781	-2.531	-22.342	314.864	1
41104_1105	41104	1105	-23.217	-0.832	-0.192	-0.681	-13.61	124.055	1
41105_1105	41105	1105	-85.529	-5.628	-1.67	-2.067	-36.575	359.861	1
41105_1106	41105	1106	-23.218	-0.832	-0.162	-0.522	-14.906	130.715	1
41106_1106	41106	1106	-85.529	-5.628	-1.67	-2.067	-49.944	404.909	1
41106_1107	41106	1107	-23.218	-0.832	-0.162	-0.522	-16.203	137.375	1
41107_1107	41107	1107	-85.537	-5.666	-3.021	-1.645	-63.314	449.961	1
41107_1108	41107	1108	-23.219	-0.843	-0.321	-0.473	-18.685	143.901	1
41108_1108	41108	1108	-85.538	-5.666	-3.018	-1.627	-86.705	493.836	1
41108_1109	41108	1109	-23.219	-0.843	-0.32	-0.468	-21.163	150.434	1
41109_1109	41109	1109	-85.541	-5.666	-2.931	-1.246	-110.102	542.632	1
41109_1110	41109	1110	-23.219	-0.843	-0.296	-0.332	-23.977	159.762	1
41110_1110	41110	1110	-16.381	9.304	1.102	-4.263	-74.479	1434.409	1
41110_1111	41110	1111	-41.74	-34.392	2.926	-5.456	-56.136	-934.196	1
41111_1111	41111	1111	-16.617	8.871	1.13	-0.543	-60.893	1317.555	1
41111_1112	41111	1112	-40.822	-33.726	2.862	-5.373	-19.708	-531.586	1
41112_1112	41112	1112	-16.839	8.598	-0.261	-2.476	-46.568	1206.359	1
41112_1113	41112	1113	-40.055	-34.786	-0.983	-6.452	-33.36	-90.659	1
41113_1113	41113	1113	-17.051	8.171	-0.239	0.191	-50.112	1089.412	1
41113_1114	41113	1114	-39.205	-32.742	-0.856	-5.376	-44.061	195.039	1
41114_1114	41114	1114	-17.179	7.893	0.282	-1.907	-52.886	993.469	1
41114_1115	41114	1115	-38.658	-33.21	-0.268	-6.802	-46.133	433.498	1
41115_1115	41115	1115	-17.246	7.742	0.319	0.576	-50.576	929.151	1
41115_1116	41115	1116	-38.371	-32.203	-0.181	-5.445	-48.521	853.65	1
41116_1116	41116	1116	-17.246	7.576	0.257	-0.005	-45.859	814.774	1
41116_1117	41116	1117	-38.371	-34.338	0.311	-5.754	-45.025	1240.031	1
41117_1117	41117	1117	-17.246	7.576	0.273	0.643	-42.964	729.533	1
41117_1118	41117	1118	-38.371	-34.338	0.345	-4.652	-41.146	1626.405	1
41118_1118	41118	1118	-17.246	7.455	0.312	0.287	-39.896	644.293	1
41118_1119	41118	1119	-38.37	-37.786	0.253	-4.605	-38.298	2051.936	1
41119_1119	41119	1119	-17.245	7.455	0.342	1.275	-36.382	560.334	1
41119_1120	41119	1120	-38.37	-0.986	0.321	-0.989	-34.692	2063.03	1
41120_1120	41120	1120	-17.245	7.379	0.321	0.967	-32.529	476.453	1
41120_1121	41120	1121	-38.37	-5.212	0.192	-0.1	-32.363	2126.103	1
41121_1121	41121	1121	-17.245	7.379	0.335	1.283	-28.647	387.159	1
41121_1122	41121	1122	-38.37	11.356	0.224	1.634	-29.658	1988.798	1
41122_1122	41122	1122	-17.244	7.347	0.333	1.223	-24.598	297.939	1
41122_1123	41122	1123	-38.369	29.789	0.049	3.372	-29.109	1653.346	1
41123_1123	41123	1123	-17.244	7.347	0.348	1.412	-20.846	215.203	1
41123_1124	41123	1124	-38.369	36.78	0.082	4.824	-28.181	1239.546	1
41124_1124	41124	1124	-17.243	7.341	0.324	1.31	-16.928	132.541	1
41124_1125	41124	1125	-38.369	33.772	0.041	4.936	-27.719	859.252	1
41125_1125	41125	1125	-17.243	7.341	0.355	1.399	-13.274	49.878	1
41125_1126	41125	1126	-38.369	33.772	0.109	6.456	-26.493	479.296	1
41126_1126	41126	1126	-17.243	7.396	0.26	1.326	-9.281	-32.709	1
41126_1127	41126	1127	-38.369	32.015	0.552	5.838	-18.788	32.674	1
41127_1127	41127	1127	-17.305	7.248	0.28	1.15	-5.638	-140.415	1
41127_1128	41127	1128	-38.641	31.685	0.595	5.879	-13.831	-238.831	1
41128_1128	41128	1128	-17.424	7.079	0.526	1.252	-3.312	-200.214	1
41128_1129	41128	1129	-39.149	32.189	1.278	5.561	1.133	-570.242	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41129_1129	41129	1129	-17.599	6.63	0.562	0.765	2.879	-277.955	1
41129_1130	41129	1130	-39.981	33.107	1.409	5.009	20.453	-959.106	1
41130_1130	41130	1130	-17.749	6.045	0.27	1.086	10.393	-365.921	1
41130_1131	41130	1131	-40.748	33.62	-2.213	5.006	-5.495	-1352.164	1
41131_1131	41131	1131	-17.901	5.578	0.284	0.373	13.761	-441.698	1
41131_1132	41131	1132	-41.649	34.763	-2.382	4.283	-36.453	-1780.822	1
41132_1132	41132	1132	-92.239	-0.697	-3.564	-1.834	118.697	212.95	1
41132_1133	41132	1133	-23.391	0.105	-0.218	0.013	-6.589	114.372	1
41133_1133	41133	1133	-92.235	-0.697	-3.683	-1.333	84.836	199.932	1
41133_1134	41133	1134	-23.391	0.105	-0.248	-0.082	-8.51	108.58	1
41134_1134	41134	1134	-92.167	-0.697	-5.111	-4.512	56.29	205.292	1
41134_1135	41134	1135	-23.384	0.105	-0.61	-1.763	-13.238	107.753	1
41135_1135	41135	1135	-92.242	-1.372	-0.779	-2.265	16.675	210.74	1
41135_1136	41135	1136	-23.396	0.017	0.037	-0.548	-12.941	107.646	1
41136_1136	41136	1136	-92.241	-1.372	-0.894	-2.542	10.442	221.711	1
41136_1137	41136	1137	-23.396	0.017	0.008	-0.683	-12.878	107.513	1
41137_1137	41137	1137	-92.242	-1.372	-0.779	-2.251	3.287	232.689	1
41137_1138	41137	1138	-23.396	0.017	0.037	-0.548	-12.581	107.381	1
41138_1138	41138	1138	-92.245	-1.697	-0.738	-1.859	-2.947	243.677	1
41138_1139	41138	1139	-23.395	0.011	-0.05	-0.547	-12.882	107.32	1
41139_1139	41139	1139	-92.246	-1.697	-0.581	-1.427	-7.37	253.849	1
41139_1140	41139	1140	-23.395	0.011	-0.01	-0.365	-12.945	107.258	1
41140_1140	41140	1140	-92.246	-1.697	-0.581	-1.427	-10.858	264.035	1
41140_1141	41140	1141	-23.395	0.011	-0.01	-0.365	-13.007	107.194	1
41141_1141	41141	1141	-92.245	-1.697	-0.735	-1.884	-14.345	274.219	1
41141_1142	41141	1142	-23.395	0.011	-0.049	-0.543	-13.304	107.13	1
41142_1142	41142	1142	-92.24	-1.864	-0.935	-1.143	-18.756	284.413	1
41142_1143	41142	1143	-23.395	0.014	-0.014	-0.328	-13.42	107.021	1
41143_1143	41143	1143	-92.24	-1.864	-0.935	-1.143	-26.24	299.329	1
41143_1144	41143	1144	-23.395	0.014	-0.014	-0.328	-13.536	106.911	1
41144_1144	41144	1144	-92.238	-1.864	-1.051	-1.535	-33.724	314.243	1
41144_1145	41144	1145	-23.395	0.014	-0.044	-0.462	-13.885	106.801	1
41145_1145	41145	1145	-92.217	-1.92	-2.041	-0.807	-42.13	329.171	1
41145_1146	41145	1146	-23.394	-0.01	-0.116	-0.304	-14.782	106.881	1
41146_1146	41146	1146	-92.217	-1.92	-2.038	-0.797	-57.929	344.037	1
41146_1147	41146	1147	-23.394	-0.01	-0.115	-0.301	-15.675	106.959	1
41147_1147	41147	1147	-92.219	-1.92	-1.979	-0.96	-73.728	377.273	1
41147_1148	41147	1148	-23.394	-0.01	-0.1	-0.252	-16.626	111.71	1
41148_1148	41148	1148	-31.336	11.265	0.663	-2.469	-46.984	1288.775	1
41148_1149	41148	1149	-63.325	-30.657	2.445	-4.181	-21.284	-1047.42	1
41149_1149	41149	1149	-31.619	10.441	0.688	-0.561	-38.775	1147.203	1
41149_1150	41149	1150	-62.499	-32.303	2.491	-4.442	9.889	-642.725	1
41150_1150	41150	1150	-31.861	9.57	-0.143	-1.415	-30.079	1016.384	1
41150_1151	41150	1151	-61.664	-32.947	-0.979	-4.947	-4.326	-237.974	1
41151_1151	41151	1151	-32.095	8.752	-0.12	0.07	-32.019	879.094	1
41151_1152	41151	1152	-60.801	-34.492	-0.936	-4.703	-15.47	147.779	1
41152_1152	41152	1152	-32.239	8.072	0.127	-0.203	-33.418	776.197	1
41152_1153	41152	1153	-60.249	-36.563	-0.636	-5.234	-20.79	449.486	1
41153_1153	41153	1153	-32.307	7.797	0.135	0.221	-32.369	706.33	1
41153_1154	41153	1154	-59.935	-37.076	-0.623	-4.891	-29.393	952.972	1
41154_1154	41154	1154	-32.308	7.575	0.185	0.28	-30.518	599.186	1
41154_1155	41154	1155	-59.948	-37.202	0.015	-4.203	-29.224	1362.299	1
41155_1155	41155	1155	-32.308	7.575	0.214	0.749	-28.482	515.84	1
41155_1156	41155	1156	-59.948	-30.461	0.07	-2.966	-28.456	1697.442	1
41156_1156	41156	1156	-32.309	7.454	0.21	0.632	-26.124	432.502	1
41156_1157	41156	1157	-59.948	2.413	-0.01	-1.505	-28.552	1673.313	1
41157_1157	41157	1157	-32.308	7.454	0.241	0.982	-24.023	357.792	1
41157_1158	41157	1158	-59.948	2.62	0.049	0.131	-28.06	1647.078	1
41158_1158	41158	1158	-32.308	7.399	0.157	0.868	-21.609	283.163	1
41158_1159	41158	1159	-59.947	-1.067	-0.029	1.365	-28.346	1657.829	1
41159_1159	41159	1159	-32.307	7.399	0.189	1.072	-20.032	209.006	1
41159_1160	41159	1160	-59.947	35.733	0.03	2.985	-28.045	1300.069	1
41160_1160	41160	1160	-32.308	7.381	0.188	1.012	-18.141	134.927	1
41160_1161	41160	1161	-59.948	32.622	-0.017	4.259	-28.227	941.207	1
41161_1161	41161	1161	-32.308	7.381	0.188	1.012	-16.068	53.713	1
41161_1162	41161	1162	-59.948	32.622	-0.017	4.259	-28.408	582.29	1
41162_1162	41162	1162	-32.31	7.439	0.298	0.872	-13.995	-27.504	1
41162_1163	41162	1163	-59.962	30.831	0.713	4.808	-18.616	158.594	1
41163_1163	41163	1163	-32.372	7.166	0.29	1.006	-9.896	-127.449	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41163_1164	41163	1164	-60.233	32.82	0.732	5.099	-12.95	-14.896	1
41164_1164	41164	1164	-32.486	6.794	0.267	0.634	-7.496	-186.589	1
41164_1165	41164	1165	-60.737	31.057	0.847	4.434	-2.927	-380.022	1
41165_1165	41165	1165	-32.648	5.966	0.269	0.801	-4.331	-258.066	1
41165_1166	41165	1166	-61.506	29.525	0.851	4.712	8.492	-755.8	1
41166_1166	41166	1166	-32.783	5.112	0.126	0.722	-0.748	-337.235	1
41166_1167	41166	1167	-62.133	28.598	-2.11	4.127	-16.989	-1102.139	1
41167_1167	41167	1167	-32.906	4.252	0.153	0.374	0.819	-401.276	1
41167_1168	41167	1168	-62.862	26.979	-2.063	3.677	-42.896	-1441.223	1
41168_1168	41168	1168	-80.778	3.422	1.838	0.976	-80.792	390.932	1
41168_1169	41168	1169	-21.103	0.095	0.156	0.243	-15.651	99.23	1
41169_1169	41169	1169	-80.777	3.422	1.871	0.733	-63.328	341.59	1
41169_1170	41169	1170	-21.103	0.095	0.165	0.249	-14.371	94.098	1
41170_1170	41170	1170	-80.777	3.422	1.871	0.733	-48.827	315.061	1
41170_1171	41170	1171	-21.103	0.095	0.165	0.249	-13.092	93.361	1
41171_1171	41171	1171	-80.758	3.404	1.023	1.382	-34.326	288.54	1
41171_1172	41171	1172	-21.102	0.079	0.139	0.377	-11.978	92.728	1
41172_1172	41172	1172	-80.759	3.404	0.92	1.048	-26.141	261.304	1
41172_1173	41172	1173	-21.103	0.079	0.112	0.259	-11.081	92.094	1
41173_1173	41173	1173	-80.758	3.404	1.023	1.347	-18.791	234.099	1
41173_1174	41173	1174	-21.102	0.079	0.139	0.376	-9.967	91.46	1
41174_1174	41174	1174	-80.75	3.289	0.573	1.635	-10.607	206.867	1
41174_1175	41174	1175	-21.1	0.079	0.024	0.437	-9.823	90.988	1
41175_1175	41175	1175	-80.751	3.289	0.438	1.324	-7.171	187.131	1
41175_1176	41175	1176	-21.1	0.079	-0.011	0.286	-9.89	90.516	1
41176_1176	41176	1176	-80.75	3.289	0.573	1.602	-4.542	167.389	1
41176_1177	41176	1177	-21.1	0.079	0.024	0.437	-9.745	90.042	1
41177_1177	41177	1177	-80.75	3.289	0.573	1.602	-1.106	147.651	1
41177_1178	41177	1178	-21.1	0.079	0.024	0.437	-9.601	89.569	1
41178_1178	41178	1178	-80.76	3.091	0.906	1.873	2.33	127.924	1
41178_1179	41178	1179	-21.102	0.071	0.078	0.395	-8.976	89.005	1
41179_1179	41179	1179	-80.758	3.091	1.009	2.005	9.573	103.216	1
41179_1180	41179	1180	-21.102	0.071	0.105	0.508	-8.134	88.436	1
41180_1180	41180	1180	-80.758	3.091	1.009	2.005	17.65	78.48	1
41180_1181	41180	1181	-21.102	0.071	0.105	0.508	-7.292	87.869	1
41181_1181	41181	1181	-80.815	2.702	3.787	1.57	25.726	53.738	1
41181_1182	41181	1182	-21.108	0.077	0.382	0.503	-4.33	87.273	1
41182_1182	41182	1182	-80.815	2.702	3.787	1.57	55.084	32.797	1
41182_1183	41182	1183	-21.108	0.077	0.382	0.503	-1.368	86.677	1
41183_1183	41183	1183	-80.816	2.702	3.754	2.261	84.442	26.825	1
41183_1184	41183	1184	-21.108	0.077	0.373	0.536	2.18	89.855	1
41184_1184	41184	1184	-16.949	-5.915	-0.189	-0.771	5.94	-435.912	1
41184_1185	41184	1185	-47.226	-34.273	2.358	-4.964	-13.213	-1096.966	1
41185_1185	41185	1185	-16.787	-6.359	-0.202	-0.582	3.524	-361.636	1
41185_1186	41185	1186	-46.311	-35.502	2.324	-3.757	15.731	-651.858	1
41186_1186	41186	1186	-16.621	-6.824	-0.416	-0.963	0.997	-281.917	1
41186_1187	41186	1187	-45.419	-35.482	-1.106	-5.064	-0.11	-213.565	1
41187_1187	41187	1187	-16.443	-7.243	-0.417	-0.73	-4.554	-195.617	1
41187_1188	41187	1188	-44.506	-36.622	-1.108	-4.76	-13.269	205.568	1
41188_1188	41188	1188	-16.346	6.074	0.03	-0.089	-28.949	660.216	1
41188_1189	41188	1189	-43.951	-35.684	-0.882	-6.109	-20.568	410.523	1
41189_1189	41189	1189	-16.397	5.936	0.022	-0.131	-28.702	607.444	1
41189_1190	41189	1190	-43.649	-36.054	-0.902	-5.975	-33.019	899.157	1
41190_1190	41190	1190	-16.398	5.773	0.129	0.629	-28.394	525.805	1
41190_1191	41190	1191	-43.662	-38.063	-0.225	-4.711	-35.494	1317.949	1
41191_1191	41191	1191	-16.399	5.773	0.114	0.209	-26.973	462.287	1
41191_1192	41191	1192	-43.661	-38.063	-0.265	-5.909	-38.405	1736.733	1
41192_1192	41192	1192	-16.399	5.653	0.134	0.593	-25.717	398.773	1
41192_1193	41192	1193	-43.665	-4.445	-0.088	-2.618	-39.294	1781.748	1
41193_1193	41193	1193	-16.399	5.653	0.15	0.931	-24.36	341.606	1
41193_1194	41193	1194	-43.665	-4.445	-0.045	-0.856	-39.747	1826.702	1
41194_1194	41194	1194	-16.398	5.582	0.102	0.957	-22.839	284.448	1
41194_1195	41194	1195	-43.662	-6.722	-0.195	1.979	-41.719	1894.787	1
41195_1195	41195	1195	-16.398	5.582	0.102	0.957	-21.812	227.998	1
41195_1196	41195	1196	-43.662	28.854	-0.195	1.979	-43.691	1603.013	1
41196_1196	41196	1196	-16.399	5.576	0.133	1.109	-20.785	171.548	1
41196_1197	41196	1197	-43.667	32.124	0.021	5.941	-43.458	1249.652	1
41197_1197	41197	1197	-16.399	5.576	0.117	1.007	-19.327	110.196	1
41197_1198	41197	1198	-43.667	35.093	-0.019	4.781	-43.671	863.897	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41198_1198	41198	1198	-16.4	5.624	0.193	0.928	-18.036	48.895	1
41198_1199	41198	1199	-43.688	33.249	0.785	6.421	-32.87	406.658	1
41199_1199	41199	1199	-16.447	5.486	0.189	1.109	-15.378	-24.544	1
41199_1200	41199	1200	-43.965	32.882	0.775	6.782	-26.421	145.715	1
41200_1200	41200	1200	-16.536	5.349	0.204	0.682	-13.817	-69.833	1
41200_1201	41200	1201	-44.477	32.964	0.786	6.078	-17.221	-192.319	1
41201_1201	41201	1201	-16.665	4.93	0.205	1.03	-11.39	-127.596	1
41201_1202	41201	1202	-45.298	31.961	0.791	6.765	-6.539	-599.303	1
41202_1202	41202	1202	-16.779	4.529	0.066	0.699	-8.685	-192.974	1
41202_1203	41202	1203	-45.955	32.617	-2.696	5.655	-38.959	-973.882	1
41203_1203	41203	1203	-16.891	4.094	0.066	0.902	-7.832	-249.758	1
41203_1204	41203	1204	-46.782	31.552	-2.706	6.676	-72.853	-1369.815	1
41204_1204	41204	1204	-83.893	5.516	3.003	1.923	-126.931	537.478	1
41204_1205	41204	1205	-21.774	0.733	0.449	0.521	-23.844	139.046	1
41205_1205	41205	1205	-83.895	5.516	2.947	0.8	-98.398	462.351	1
41205_1206	41205	1206	-21.775	0.733	0.434	0.31	-20.484	127.475	1
41206_1206	41206	1206	-83.895	5.516	2.949	0.811	-75.587	419.645	1
41206_1207	41206	1207	-21.775	0.733	0.435	0.313	-17.116	121.792	1
41207_1207	41207	1207	-83.858	5.508	1.489	1.903	-52.729	376.921	1
41207_1208	41207	1208	-21.771	0.701	0.273	0.466	-14.931	116.188	1
41208_1208	41208	1208	-83.856	5.508	1.594	2.319	-40.814	332.844	1
41208_1209	41208	1209	-21.77	0.701	0.3	0.611	-12.528	110.576	1
41209_1209	41209	1209	-83.856	5.508	1.594	2.319	-28.06	288.771	1
41209_1210	41209	1210	-21.77	0.701	0.3	0.611	-10.125	104.965	1
41210_1210	41210	1210	-83.844	5.396	0.928	2.402	-15.306	244.715	1
41210_1211	41210	1211	-21.77	0.686	0.217	0.557	-8.824	100.85	1
41211_1211	41211	1211	-83.843	5.396	1.068	2.756	-9.735	212.325	1
41211_1212	41211	1212	-21.769	0.686	0.253	0.725	-7.304	96.729	1
41212_1212	41212	1212	-83.843	5.396	1.065	2.75	-3.325	179.941	1
41212_1213	41212	1213	-21.769	0.686	0.252	0.721	-5.792	92.616	1
41213_1213	41213	1213	-83.844	5.396	0.928	2.509	3.057	147.616	1
41213_1214	41213	1214	-21.77	0.686	0.217	0.57	-4.491	88.497	1
41214_1214	41214	1214	-83.86	5.193	1.77	3.124	8.628	115.237	1
41214_1215	41214	1215	-21.77	0.676	0.298	0.78	-2.106	83.093	1
41215_1215	41215	1215	-83.862	5.193	1.665	3.032	22.791	73.691	1
41215_1216	41215	1216	-21.771	0.676	0.271	0.676	0.061	77.689	1
41216_1216	41216	1216	-83.86	5.193	1.77	3.073	36.116	32.136	1
41216_1217	41216	1217	-21.77	0.676	0.298	0.773	2.446	72.283	1
41217_1217	41217	1217	-83.94	4.788	4.672	2.051	50.279	-9.439	1
41217_1218	41217	1218	-21.777	0.696	0.506	0.701	6.371	66.884	1
41218_1218	41218	1218	-83.94	4.788	4.67	2.053	86.496	-46.553	1
41218_1219	41218	1219	-21.777	0.696	0.506	0.699	10.286	61.493	1
41219_1219	41219	1219	-83.937	4.788	4.726	3.138	122.65	-63.339	1
41219_1220	41219	1220	-21.776	0.696	0.52	0.866	15.231	60.138	1
41220_1220	41220	1220	-20.604	-6.5	-0.16	-0.459	-10.632	-447.586	1
41220_1221	41220	1221	-41.892	-29.836	2.198	-3.658	-36.849	-1027.966	1
41221_1221	41221	1221	-20.43	-7.028	-0.065	-1.885	-12.524	-365.917	1
41221_1222	41221	1222	-41.136	-28.519	2.162	-7.261	-8.423	-657.449	1
41222_1222	41222	1222	-20.253	-7.661	-0.305	-1.47	-13.385	-277.796	1
41222_1223	41222	1223	-40.407	-30.358	-0.868	-6.449	-20.146	-254.635	1
41223_1223	41223	1223	-20.055	-8.168	-0.228	-1.638	-17.446	-182.397	1
41223_1224	41223	1224	-39.659	-29.219	-0.661	-6.426	-28.731	42.246	1
41224_1224	41224	1224	-19.923	-8.385	-0.232	-1.996	-20.148	-86.393	1
41224_1225	41224	1225	-39.196	-30.264	-0.687	-7.875	-34.477	291.933	1
41225_1225	41225	1225	-19.853	-8.55	-0.159	-1.876	-22.074	-17.167	1
41225_1226	41225	1226	-38.945	-30.588	-0.545	-6.526	-43.479	793.998	1
41226_1226	41226	1226	-19.851	-8.492	-0.191	-2.603	-24.688	123.126	1
41226_1227	41226	1227	-38.954	-31.798	-0.062	-8.946	-44.239	1186.306	1
41227_1227	41227	1227	-19.852	-8.492	-0.095	-1.493	-27.048	227.928	1
41227_1228	41227	1228	-38.953	-31.798	0.128	-3.169	-42.658	1578.427	1
41228_1228	41228	1228	-19.845	-8.574	-0.26	-2.545	-28.215	332.573	1
41228_1229	41228	1229	-38.94	-28.718	-0.153	-5.87	-44.549	1932.589	1
41229_1229	41229	1229	-19.845	-8.574	-0.196	-1.119	-31.425	438.391	1
41229_1230	41229	1230	-38.94	-8.799	-0.026	0.418	-44.875	2041.104	1
41230_1230	41230	1230	-19.856	-8.673	0.121	-2.325	-33.836	543.953	1
41230_1231	41230	1231	-38.951	9.705	0.416	-0.717	-39.745	1920.9	1
41231_1231	41231	1231	-19.855	-8.673	0.186	-0.201	-32.345	650.926	1
41231_1232	41231	1232	-38.949	9.705	0.543	5.549	-33.053	1801.286	1
41232_1232	41232	1232	-19.857	-8.843	0.308	-2.56	-30.057	757.619	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41232_1233	41232	1233	-38.961	44.433	0.995	3.108	-23.222	1361.775	1
41233_1233	41233	1233	-19.856	-8.843	0.371	0.131	-27.012	845.026	1
41233_1234	41233	1234	-38.958	44.433	1.119	7.444	-10.384	851.877	1
41234_1234	41234	1234	-19.819	-8.922	0.461	4.503	-22.733	946.938	1
41234_1235	41234	1235	-39.129	44.278	1.295	11.358	-6.272	713.586	1
41235_1235	41235	1235	-19.607	-9.284	-0.719	-0.857	-21.325	974.698	1
41235_1236	41235	1236	-39.758	44.953	-1.211	6.438	-13.567	520.851	1
41236_1236	41236	1236	-19.627	-9.245	-0.678	1.233	-26.418	1041.042	1
41236_1237	41236	1237	-39.671	45.032	-1.131	7.484	-24.554	83.199	1
41237_1237	41237	1237	-19.419	-9.678	-0.623	4.825	-32.853	1138.838	1
41237_1238	41237	1238	-40.663	44.141	-1.024	7.844	-29.284	-112.13	1
41238_1238	41238	1238	-19.439	-11.243	2.936	0.295	-36.038	1184.576	1
41238_1239	41238	1239	-41.324	40.094	3.288	7.745	5.827	-513.711	1
41239_1239	41239	1239	-19.192	-11.645	2.994	4.151	-4.221	1305.276	1
41239_1240	41239	1240	-42.154	40.324	3.502	6.227	44.867	-916.206	1
41240_1240	41240	1240	-17.801	-15.74	-5.667	14.06	28.951	1416.412	1
41240_1241	41240	1241	-41.705	34.051	-6.437	19.094	-30.175	-1319.775	1
41241_1241	41241	1241	-93.27	9.893	-2.372	-9.014	-73.081	740.299	1
41241_1242	41241	1242	-21.438	-1.51	0.365	0.947	7.227	64.72	1
41242_1242	41242	1242	-93.273	9.893	-2.269	-8.175	-95.623	641.22	1
41242_1243	41242	1243	-21.437	-1.51	0.389	0.997	8.457	68.33	1
41243_1243	41243	1243	-93.681	8.545	3.314	1.594	-102.803	610.577	1
41243_1244	41243	1244	-21.349	-1.335	-0.757	-1.02	1.486	80.47	1
41244_1244	41244	1244	-93.669	8.545	3.62	3.33	-72.268	531.834	1
41244_1245	41244	1245	-21.351	-1.335	-0.687	-0.757	-5.662	94.365	1
41245_1245	41245	1245	-93.474	8.299	1.171	2.985	-34.595	442.775	1
41245_1246	41245	1246	-21.374	-1.251	-0.312	-1.058	-8.699	106.524	1
41246_1246	41246	1246	-93.47	8.299	1.473	4.154	-23.177	361.858	1
41246_1247	41246	1247	-21.375	-1.251	-0.242	-0.714	-11.094	118.889	1
41247_1247	41247	1247	-93.39	8.136	0.577	3.826	-8.62	279.758	1
41247_1248	41247	1248	-21.38	-1.197	-0.103	-0.936	-12.027	129.723	1
41248_1248	41248	1248	-93.389	8.136	0.761	4.231	-3.381	205.861	1
41248_1249	41248	1249	-21.38	-1.197	-0.061	-0.681	-12.666	142.337	1
41249_1249	41249	1249	-93.421	8.082	1.717	4.31	4.633	120.104	1
41249_1250	41249	1250	-21.373	-1.148	-0.108	-0.962	-13.784	154.167	1
41250_1250	41250	1250	-93.414	8.082	2.092	4.457	22.379	36.536	1
41250_1251	41250	1251	-21.374	-1.148	-0.022	-0.343	-13.991	164.833	1
41251_1251	41251	1251	-93.486	8.358	3.947	4.162	41.807	-38.548	1
41251_1252	41251	1252	-21.356	-1.045	-0.344	-0.912	-17.478	175.373	1
41252_1252	41252	1252	-93.473	8.358	4.231	3.788	81.801	-123.245	1
41252_1253	41252	1253	-21.357	-1.045	-0.279	-0.379	-20.609	187.084	1
41253_1253	41253	1253	-93.476	8.358	4.165	4.017	129.228	-215.248	1
41253_1254	41253	1254	-21.357	-1.045	-0.295	-0.517	-21.54	190.768	1
41254_1254	41254	1254	-93.109	11.291	-3.859	-24.18	142.391	-242.793	1
41254_1255	41254	1255	-21.361	-1.009	-0.113	-0.265	-22.257	197.133	1
41255_1255	41255	1255	-28.286	-6.29	0.345	-1.703	-9.931	-495.043	1
41255_1256	41255	1256	-42.174	-22.703	4.574	-9.953	-16.347	-1124.677	1
41256_1256	41256	1256	-28.185	-6.729	0.4	-2.471	-7.082	-444.06	1
41256_1257	41256	1257	-41.806	-23.357	4.653	-11.924	17.462	-955.146	1
41257_1257	41257	1257	-28.042	-7.204	-0.135	-0.832	-4.33	-395.128	1
41257_1258	41257	1258	-41.401	-26.417	0.391	-3.602	20.704	-680.776	1
41258_1258	41258	1258	-27.881	-7.805	-0.054	-1.647	-5.701	-320.42	1
41258_1259	41258	1259	-40.839	-25.434	0.451	-5.734	23.604	-358.816	1
41259_1259	41259	1259	-27.629	-8.463	-0.756	-1.728	-6.42	-232.907	1
41259_1260	41259	1260	-39.977	-26.81	-2.871	-6.138	-6.823	-91.918	1
41260_1260	41260	1260	-27.493	-8.899	-0.695	-1.82	-14.416	-143.637	1
41260_1261	41260	1261	-39.562	-26.206	-2.649	-6.023	-32.847	133.102	1
41261_1261	41261	1261	-27.413	-9.142	-0.681	-1.731	-20.999	-56.808	1
41261_1262	41261	1262	-39.33	-26.555	-2.629	-5.926	-41.226	221.107	1
41262_1262	41262	1262	-27.424	-8.94	-0.127	-2.325	-23.157	-27.854	1
41262_1263	41262	1263	-39.387	-26.654	-0.04	-7.549	-41.676	517.339	1
41263_1263	41263	1263	-27.425	-8.94	-0.031	-2.075	-24.57	71.52	1
41263_1264	41263	1264	-39.387	-26.654	0.097	-5.737	-40.512	835.461	1
41264_1264	41264	1264	-27.422	-8.904	-0.116	-2.71	-24.942	178.202	1
41264_1265	41264	1265	-39.385	-27.622	0.087	-7.521	-39.501	1155.189	1
41265_1265	41265	1265	-27.423	-8.904	-0.018	-1.698	-26.29	281.285	1
41265_1266	41265	1266	-39.384	-27.622	0.229	-3.367	-36.872	1472.333	1
41266_1266	41266	1266	-27.422	-8.929	0.044	-2.563	-26.495	383.499	1
41266_1267	41266	1267	-39.383	-29.077	0.4	-4.972	-32.197	1811.863	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41267_1267	41267	1267	-27.422	-8.929	0.112	-1.36	-25.975	487.778	1
41267_1268	41267	1268	-39.382	-20.716	0.497	-0.504	-26.543	2047.387	1
41268_1268	41268	1268	-27.421	-8.93	0.164	-2.475	-24.701	589.304	1
41268_1269	41268	1269	-39.379	5.026	0.737	-1.309	-16.92	1981.811	1
41269_1269	41269	1269	-27.421	-8.93	0.253	-0.173	-22.567	705.847	1
41269_1270	41269	1270	-39.376	15.366	0.866	5.153	-7.005	1805.844	1
41270_1270	41270	1270	-27.422	-8.806	-1.307	-2.124	-19.67	808.112	1
41270_1271	41270	1271	-39.379	14.394	-3.429	2.64	-38.431	1673.896	1
41271_1271	41271	1271	-27.425	-8.806	-1.237	0.149	-31.652	888.826	1
41271_1272	41271	1272	-39.388	51.194	-3.328	6.92	-75.564	1102.653	1
41272_1272	41272	1272	-27.384	-8.942	-1.168	2.829	-45.443	988.166	1
41272_1273	41272	1273	-39.649	50.998	-3.228	9.961	-88.984	891.427	1
41273_1273	41273	1273	-27.262	-10.659	-0.126	-1.463	-50.355	1025.55	1
41273_1274	41273	1274	-40.017	45.998	1.837	5.142	-74.169	603.851	1
41274_1274	41274	1274	-27.12	-11.016	-0.086	0.829	-51.329	1110.323	1
41274_1275	41274	1275	-40.615	45.469	1.895	6.995	-59.148	245.73	1
41275_1275	41275	1275	-26.986	-11.341	0.015	5.881	-51.817	1203.039	1
41275_1276	41275	1276	-41.152	44.977	2.04	9.057	-50.479	66.264	1
41276_1276	41276	1276	-26.652	-13.64	7.88	0.159	-52.017	1250.501	1
41276_1277	41276	1277	-41.524	40.538	8.593	8.446	50.618	-392.126	1
41277_1277	41277	1277	-26.293	-14.26	7.986	4.648	41.071	1410.887	1
41277_1278	41277	1278	-42.451	40.587	8.86	5.817	165.31	-858.873	1
41278_1278	41278	1278	-25.458	-19.931	-15.075	22.749	145.436	1593.203	1
41278_1279	41278	1279	-42.822	35.213	-15.698	26.698	19.534	-1154.209	1
41279_1279	41279	1279	-111.563	10.002	-7.204	-10.004	-12.863	722.421	1
41279_1280	41279	1280	-18.208	-1.83	1.688	2.252	11.024	100.757	1
41280_1280	41280	1280	-111.567	10.002	-7.142	-8.982	-81.322	616.868	1
41280_1281	41280	1281	-18.207	-1.83	1.698	2.148	20.23	108.959	1
41281_1281	41281	1281	-111.565	9.513	4.716	0.564	-120.035	598.612	1
41281_1282	41281	1282	-18.207	-1.454	-1.151	-0.696	6.009	132.788	1
41282_1282	41282	1282	-111.551	9.513	5.049	2.003	-61.751	481.038	1
41282_1283	41282	1283	-18.211	-1.454	-1.096	-0.299	-7.301	150.44	1
41283_1283	41283	1283	-111.544	8.165	-0.406	2.009	-0.44	365.523	1
41283_1284	41283	1284	-18.212	-1.262	0.002	-0.8	-7.277	166.102	1
41284_1284	41284	1284	-111.545	8.165	-0.044	2.867	-5.472	264.224	1
41284_1285	41284	1285	-18.212	-1.262	0.061	-0.261	-6.62	179.682	1
41285_1285	41285	1285	-111.584	7.809	2.071	2.463	-5.94	176.363	1
41285_1286	41285	1286	-18.195	-1.084	-0.667	-0.734	-14.083	191.788	1
41286_1286	41286	1286	-111.577	7.809	2.405	2.73	17.233	88.974	1
41286_1287	41286	1287	-18.196	-1.084	-0.612	-0.16	-20.455	203.066	1
41287_1287	41287	1287	-111.569	8.125	2.437	2.759	42.254	7.729	1
41287_1288	41287	1288	-18.194	-0.916	0.154	-0.769	-18.444	215.073	1
41288_1288	41288	1288	-111.56	8.125	2.821	2.419	74.175	-98.69	1
41288_1289	41288	1289	-18.194	-0.916	0.216	-0.028	-16.018	225.356	1
41289_1289	41289	1289	-111.595	8.516	-5.1	-4.283	105.835	-189.839	1
41289_1290	41289	1290	-18.195	-0.73	-0.187	-0.823	-16.767	228.287	1
41290_1290	41290	1290	-111.603	8.516	-4.939	-4.874	85.411	-217.871	1
41290_1291	41290	1291	-18.196	-0.73	-0.161	-0.503	-18.297	236.212	1
41291_1291	41291	1291	-3.089	9.196	4.278	-8.629	-8.546	1619.197	1
41291_1292	41291	1292	-14.964	-47.844	8.312	-16.34	56.913	-669.884	1
41292_1292	41292	1292	-3.462	7.449	-1.366	-4.654	22.681	1550.882	1
41292_1293	41292	1293	-14.166	-50.395	-2.139	-3.636	26.271	-88.142	1
41293_1293	41293	1293	-3.672	7.351	-1.347	1.829	4.924	1456.512	1
41293_1294	41293	1294	-12.839	-46.215	-1.861	-5.076	2.524	252.108	1
41294_1294	41294	1294	-3.808	7.737	-0.125	-5.382	-9.895	1374.268	1
41294_1295	41294	1295	-11.934	-44.8	-0.8	-6.137	-3.315	492.287	1
41295_1295	41295	1295	-3.94	7.671	-0.109	0.081	-10.927	1318.972	1
41295_1296	41295	1296	-11.2	-42.8	-0.76	-4.007	-9.099	700.573	1
41296_1296	41296	1296	-4.027	7.626	-0.104	1.539	-11.705	1264.07	1
41296_1297	41296	1297	-10.735	-40.937	-0.741	-3.258	-15.766	968.785	1
41297_1297	41297	1297	-4.032	7.3	-0.161	-3.34	-12.623	1197.004	1
41297_1298	41297	1298	-10.714	-42.19	0.023	-7.776	-15.673	1139.766	1
41298_1298	41298	1298	-4.032	7.3	-0.154	-1.497	-13.275	1168.512	1
41298_1299	41298	1299	-10.714	-42.19	0.041	-5.925	-15.329	1499.837	1
41299_1299	41299	1299	-4.032	7.3	-0.141	2.048	-14.582	1106.707	1
41299_1300	41299	1300	-10.714	-42.19	0.075	-1.121	-14.429	2005.514	1
41300_1300	41300	1300	-4.032	7.086	0.204	-1.459	-16.278	1019.208	1
41300_1301	41300	1301	-10.713	-44.322	0.348	-7.598	-9.844	2588.954	1
41301_1301	41301	1301	-4.031	7.086	0.22	2.251	-13.599	925.933	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41301_1302	41301	1302	-10.712	-26.466	0.391	2.777	-5.412	2888.78	1
41302_1302	41302	1302	-4.031	6.783	0.201	-1	-11.11	845.662	1
41302_1303	41302	1303	-10.711	-10.284	0.216	-7.058	-2.5	3027.234	1
41303_1303	41303	1303	-4.03	6.783	0.22	2.538	-8.405	754.341	1
41303_1304	41303	1304	-10.71	-10.284	0.267	7.142	0.443	3140.775	1
41304_1304	41304	1304	-4.029	6.497	0.288	-0.27	-5.979	679.45	1
41304_1305	41304	1305	-10.709	23.552	0.229	-3.553	3.435	2833.057	1
41305_1305	41305	1305	-4.028	6.497	0.304	2.095	-2.212	594.556	1
41305_1306	41305	1306	-10.708	32	0.272	7.714	6.539	2467.26	1
41306_1306	41306	1306	-4.027	6.169	0.41	0.186	1.266	520.286	1
41306_1307	41306	1307	-10.707	29.929	0.385	-0.481	11.107	2112.223	1
41307_1307	41307	1307	-4.025	6.169	0.424	1.747	6.132	447.1	1
41307_1308	41307	1308	-10.706	29.929	0.422	6.896	16.445	1734.03	1
41308_1308	41308	1308	-4.024	5.891	0.251	0.567	11.493	369.141	1
41308_1309	41308	1309	-10.704	27.589	0.311	1.75	20.222	1398.438	1
41309_1309	41309	1309	-4.023	5.891	0.266	1.708	14.543	297.477	1
41309_1310	41309	1310	-10.703	27.589	0.352	7.11	24.561	1057.946	1
41310_1310	41310	1310	-4.024	5.822	-0.646	0.991	17.827	224.768	1
41310_1311	41310	1311	-10.705	26.082	-1.212	3.923	9.038	723.82	1
41311_1311	41311	1311	-4.026	5.822	-0.631	1.566	9.546	150.182	1
41311_1312	41311	1312	-10.71	26.082	-1.171	6.694	-5.926	390.431	1
41312_1312	41312	1312	-4.028	5.66	-0.082	1.923	1.481	75.757	1
41312_1313	41312	1313	-10.711	25.494	0.33	6.197	0	-67.281	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
1000_1000	1000	1000	2.288	56.599	-0.167	0.793	0	7.844	1
1000_1001	1000	1001	-5.649	5.179	-0.235	0.255	-3.992	-51.282	1
1001_1001	1001	1001	-65.458	50.901	-0.186	1.237	-3.178	-541.373	1
1001_1002	1001	1002	-10.074	5.179	-0.234	0.279	-6.536	-87.04	1
1002_1002	1002	1002	-95.663	47.191	0.113	0.816	-5.444	-787.45	1
1002_1003	1002	1003	51.338	6.625	-0.056	-0.155	1.544	418.982	1
1003_1003	1003	1003	-123.685	41.658	0.123	1.152	-3.994	-1015.205	1
1003_1004	1003	1004	81.506	11.95	-0.075	-0.441	1.666	665.946	1
1004_1004	1004	1004	-143.304	40.084	0.061	0.618	-1.966	-1174.641	1
1004_1005	1004	1005	111.286	15.33	-0.082	-0.117	1.328	909.411	1
1005_1005	1005	1005	-158.686	35.116	0.056	0.99	-0.652	-1299.544	1
1005_1006	1005	1006	133.555	20.991	-0.081	-0.455	0.666	1091.612	1
1006_1006	1006	1006	-167.321	34.728	0.031	0.364	0.832	-1369.65	1
1006_1007	1006	1007	150.821	22.501	-0.081	0.094	-0.101	1232.913	1
1007_1007	1007	1007	-173.639	30.091	0.019	0.759	1.942	-1420.787	1
1007_1008	1007	1008	160.681	27.61	-0.072	-0.276	-0.961	1313.971	1
1008_1008	1008	1008	-174.255	30.072	0.035	0.144	3.024	-1425.671	1
1008_1009	1008	1009	167.551	28.153	-0.092	0.329	-2.039	1370.477	1
1009_1009	1009	1009	-173.474	25.644	0.021	0.51	4.179	-1419.054	1
1009_1010	1009	1010	168.056	32.97	-0.081	-0.026	-3.135	1375.223	1
1010_1010	1010	1010	-167.746	25.585	0.049	-0.235	5.22	-1372.303	1
1010_1011	1010	1011	166.499	33.285	-0.113	0.72	-4.545	1363.013	1
1011_1011	1011	1011	-161.182	21.328	0.033	0.466	6.382	-1318.61	1
1011_1012	1011	1012	159.278	37.937	-0.101	0.008	-5.915	1304.802	1
1012_1012	1012	1012	-149.993	20.717	0.056	0.066	7.365	-1227.409	1
1012_1013	1012	1013	150.165	38.576	-0.14	0.504	-7.606	1231.098	1
1013_1013	1013	1013	-138.716	16.711	0.029	-0.061	8.192	-1135.26	1
1013_1014	1013	1014	135.89	43.143	-0.124	0.644	-9.143	1115.497	1
1014_1014	1014	1014	-113.595	13.835	-0.041	-0.038	8.518	-930.588	1
1014_1015	1014	1015	103.075	44.894	-0.005	0.664	-8.983	849.968	1
1015_1015	1015	1015	-122.048	11.09	-0.029	-0.158	5.165	-925.92	1
1015_1016	1015	1016	111.094	51.08	0.011	0.45	-5.619	875.773	1
1016_1016	1016	1016	-97.157	9.085	-0.151	-0.074	4.844	-757.481	1
1016_1017	1016	1017	70.81	52.599	0.209	0.349	-2.968	636.542	1
1017_1017	1017	1017	-66.819	5.796	-0.11	-0.196	3.364	-589.049	1
1017_1018	1017	1018	30.558	57.098	0.212	0.535	0.071	376.29	1
1018_1018	1018	1018	-38.927	3.076	0.12	-0.083	2.665	-422.863	1
1018_1019	1018	1019	3.778	60.698	-0.464	0.492	-5.816	133.938	1
1019_1019	1019	1019	-24.897	1.592	0.026	-0.189	3.588	-336.689	1
1019_1020	1019	1020	-16.682	65.119	-0.396	0.69	-10.379	-156.22	1
1020_1020	1020	1020	-32.717	51.412	-0.604	0.204	17.481	0.144	1
1020_1021	1020	1021	105.082	10.685	0.796	0.088	-18.346	379.756	1
1021_1021	1021	1021	-50.537	47.826	-0.419	0.205	7.917	-159.168	1
1021_1022	1021	1022	108.1	12.899	0.601	-0.018	-8.915	430.938	1
1022_1022	1022	1022	-60.905	44.268	-0.361	0.189	3.741	-245.906	1
1022_1023	1022	1023	108.609	15.092	0.576	0.007	-3.835	459.724	1
1023_1023	1023	1023	-69.724	41.252	-0.029	0.129	0.408	-317.948	1
1023_1024	1023	1024	107.986	17.096	0.105	0.074	-2.485	481.665	1
1024_1024	1024	1024	-78.297	37.429	-0.014	0.161	-0.234	-384.43	1
1024_1025	1024	1025	106.481	19.745	0.093	0.039	-1.335	496.941	1
1025_1025	1025	1025	-84.972	33.669	0.007	0.126	-0.636	-433.571	1
1025_1026	1025	1026	103.728	22.699	0.074	0.076	-0.425	501.815	1
1026_1026	1026	1026	-94.362	32.744	0.007	0.135	-0.687	-498.619	1
1026_1027	1026	1027	105.709	24.332	0.036	0.048	0.002	536.205	1
1027_1027	1027	1027	-97.432	29.957	0.02	0.051	-0.704	-517.199	1
1027_1028	1027	1028	103.454	26.806	0.021	0.134	0.229	533.39	1
1028_1028	1028	1028	-99.495	27.281	0.025	0.088	-0.611	-526.535	1
1028_1029	1028	1029	100.702	29.467	0.017	0.1	0.397	524.479	1
1029_1029	1029	1029	-100.942	24.781	0.031	0.1	-0.454	-529.024	1
1029_1030	1029	1030	96.878	32.234	0.01	0.086	0.491	505.792	1
1030_1030	1030	1030	-97.762	23.154	0.071	0.027	-0.18	-493.511	1
1030_1031	1030	1031	86.873	33.251	0.002	0.165	0.49	441.589	1
1031_1031	1031	1031	-99.298	20.162	0.084	0.054	0.589	-487.59	1
1031_1032	1031	1032	79.206	36.978	-0.014	0.147	0.231	392.335	1
1032_1032	1032	1032	-99.528	17.464	0.096	0.093	1.564	-470.818	1
1032_1033	1032	1033	69.722	40.787	-0.027	0.109	-0.237	326.304	1
1033_1033	1033	1033	-98.772	15.325	0.576	0.119	2.739	-446.381	1
1033_1034	1033	1034	59.877	43.835	-0.358	0.185	-3.373	253.979	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1034_1034	1034	1034	-96.782	13.067	0.597	0.11	7.708	-413.765	1
1034_1035	1034	1035	48.445	47.421	-0.421	0.166	-7.43	166.58	1
1035_1035	1035	1035	-91.386	10.8	0.859	-0.184	16.749	-358.444	1
1035_1036	1035	1036	29.276	51.05	-0.67	0.452	-17.557	7.385	1
1036_1036	1036	1036	42.347	61.752	-0.328	0.637	8.337	240.298	1
1036_1037	1036	1037	23.961	6.457	0.051	0.1	-0.03	250.625	1
1037_1037	1037	1037	28.702	57.703	-0.392	0.515	4.53	2.259	1
1037_1038	1037	1038	23.342	6.622	0.049	0.129	0.704	188.297	1
1038_1038	1038	1038	10.217	54.322	0.196	0.511	-0.393	-190.929	1
1038_1039	1038	1039	42.565	7.368	-0.117	-0.154	-3.009	507.035	1
1039_1039	1039	1039	-20.968	50.442	0.179	0.401	2.326	-407.721	1
1039_1040	1039	1040	64.87	10.307	-0.153	-0.107	-4.514	640.564	1
1040_1040	1040	1040	-54.512	49.176	0.076	0.379	4.489	-619.302	1
1040_1041	1040	1041	82.723	12.226	-0.035	-0.094	-4.82	775.613	1
1041_1041	1041	1041	-61.713	42.551	0.034	0.284	2.523	-534.998	1
1041_1042	1041	1042	92.098	14.512	-0.021	-0.054	-2.697	709.024	1
1042_1042	1042	1042	-96.648	40.528	0.006	0.244	3.093	-753.641	1
1042_1043	1042	1043	111.933	17.419	-0.003	-0.017	-2.917	846.397	1
1043_1043	1043	1043	-111.62	35.782	0.005	0.218	3.156	-844.345	1
1043_1044	1043	1044	118.525	21.486	-0.002	0.01	-3.052	893.288	1
1044_1044	1044	1044	-121.195	34.16	0	0.177	3.192	-899.718	1
1044_1045	1044	1045	124.935	22.943	0.004	0.052	-3.075	935.757	1
1045_1045	1045	1045	-128.613	29.475	-0.001	0.143	3.157	-940.575	1
1045_1046	1045	1046	126.554	27.384	0.006	0.086	-3.074	945.625	1
1046_1046	1046	1046	-130.656	28.023	0.005	0.09	3.118	-946.569	1
1046_1047	1046	1047	126.799	28.789	0	0.138	-3.126	944.714	1
1047_1047	1047	1047	-131.049	23.536	0.004	0.063	3.126	-941.287	1
1047_1048	1047	1048	121.909	33.471	0	0.166	-3.172	909.663	1
1048_1048	1048	1048	-126.28	22.091	0	0.057	3.124	-902.491	1
1048_1049	1048	1049	114.969	34.973	0.001	0.178	-3.197	860.506	1
1049_1049	1049	1049	-121.015	17.959	-0.002	-0.039	3.02	-859.346	1
1049_1050	1049	1050	102.583	39.747	0.004	0.273	-3.177	775.967	1
1050_1050	1050	1050	-102.154	15.03	-0.017	-0.018	2.806	-725.02	1
1050_1051	1050	1051	70.418	41.696	0.029	0.26	-2.707	565.325	1
1051_1051	1051	1051	-100.012	12.453	-0.017	-0.153	2.813	-763.341	1
1051_1052	1051	1052	70.289	48.353	0.038	0.435	-2.713	623.303	1
1052_1052	1052	1052	-80.939	10.318	-0.086	-0.075	2.623	-635.221	1
1052_1053	1052	1053	35.682	49.772	0.112	0.364	-1.371	421.968	1
1053_1053	1053	1053	-51.314	7.231	-0.087	-0.24	2.393	-536.774	1
1053_1054	1053	1054	0.622	54.237	0.161	0.76	0.343	226.491	1
1054_1054	1054	1054	-34.777	4.817	0.014	0.145	-1.227	-169.248	1
1054_1055	1054	1055	-17.578	57.869	-0.33	0.659	-3.892	27.383	1
1055_1055	1055	1055	-35.632	4.131	0.016	0.148	-1.046	-219.132	1
1055_1056	1055	1056	-31.537	62.316	-0.283	0.784	-7.256	-219.848	1
1056_1056	1056	1056	-43.092	50.702	-0.424	0.322	11.683	-72.878	1
1056_1057	1056	1057	100.853	11.193	0.54	0.11	-11.807	395.685	1
1057_1057	1057	1057	-60.916	47.329	-0.339	0.366	5.948	-233.956	1
1057_1058	1057	1058	105.725	13.623	0.472	0.047	-6.364	465.713	1
1058_1058	1058	1058	-70.573	43.853	-0.299	0.412	2.666	-323.395	1
1058_1059	1058	1059	107.672	15.93	0.462	-0.038	-2.328	504.095	1
1059_1059	1059	1059	-78.608	40.97	-0.02	0.367	0.01	-396.295	1
1059_1060	1059	1060	108.273	17.901	0.07	0.073	-1.39	533.639	1
1060_1060	1060	1060	-86.406	37.254	-0.006	0.305	-0.4	-463.327	1
1060_1061	1060	1061	107.915	20.617	0.056	0.13	-0.656	555.041	1
1061_1061	1061	1061	-92.36	33.605	0.009	0.221	-0.622	-511.644	1
1061_1062	1061	1062	106.146	23.602	0.042	0.22	-0.09	563.855	1
1062_1062	1062	1062	-100.916	32.721	0.004	0.333	-0.596	-577.614	1
1062_1063	1062	1063	108.752	25.219	0.027	0.078	0.226	603.731	1
1063_1063	1063	1063	-103.667	30.018	0.013	0.179	-0.584	-595.399	1
1063_1064	1063	1064	107.074	27.68	0.016	0.224	0.385	602.564	1
1064_1064	1064	1064	-105.403	27.408	0.018	0.223	-0.489	-602.814	1
1064_1065	1064	1065	104.769	30.298	0.012	0.18	0.496	593.842	1
1065_1065	1065	1065	-106.614	24.961	0.029	0.065	-0.343	-603.347	1
1065_1066	1065	1066	101.484	33.013	0.002	0.347	0.521	575.168	1
1066_1066	1066	1066	-103.45	23.386	0.046	0.162	-0.046	-562.921	1
1066_1067	1066	1067	92.33	33.869	0.004	0.258	0.533	507.839	1
1067_1067	1067	1067	-104.717	20.422	0.059	0.081	0.521	-553.577	1
1067_1068	1067	1068	85.6	37.518	-0.011	0.343	0.311	457.96	1
1068_1068	1068	1068	-104.748	17.74	0.066	0.164	1.248	-532.662	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1068_1069	1068	1069	77.13	41.233	-0.02	0.267	-0.057	390.164	1
1069_1069	1069	1069	-103.776	15.795	0.47	-0.039	2.122	-503.353	1
1069_1070	1069	1070	68.332	44.094	-0.304	0.413	-2.71	316.052	1
1070_1070	1070	1070	-101.707	13.525	0.48	0.046	6.192	-466.05	1
1070_1071	1070	1071	58.047	47.56	-0.345	0.366	-6.003	225.833	1
1071_1071	1071	1071	-96.755	11.155	0.564	0.118	11.99	-399.421	1
1071_1072	1071	1072	39.706	50.938	-0.443	0.318	-12.122	64.465	1
1072_1072	1072	1072	35.281	62.044	-0.284	0.814	7.257	195.158	1
1072_1073	1072	1073	15.518	5.575	0.027	0.097	-1.041	186.445	1
1073_1073	1073	1073	19.911	57.873	-0.33	0.679	3.852	-60.463	1
1073_1074	1073	1074	14.948	5.653	0.026	0.16	-0.625	135.533	1
1074_1074	1074	1074	-0.504	54.563	0.17	0.781	-0.4	-269.888	1
1074_1075	1074	1075	46.996	7.2	-0.088	-0.25	-2.417	544.335	1
1075_1075	1075	1075	-39.31	50.361	0.121	0.357	1.443	-473.89	1
1075_1076	1075	1076	78.015	10.087	-0.086	-0.074	-2.637	650.675	1
1076_1076	1076	1076	-76.868	49.17	0.033	0.417	2.932	-686.889	1
1076_1077	1076	1077	98.779	11.969	-0.023	-0.138	-2.887	790.376	1
1077_1077	1077	1077	-72.512	43.664	0.036	0.537	4.669	-697.496	1
1077_1078	1077	1078	91.524	14.613	-0.033	-0.042	-4.65	819.126	1
1078_1078	1078	1078	-100.855	42.044	-0.019	0.566	5.286	-908.974	1
1078_1079	1078	1079	109.769	17.168	0.001	-0.089	-4.835	967.76	1
1079_1079	1079	1079	-114.22	37.693	-0.025	0.466	5.082	-1007.161	1
1079_1080	1079	1080	117.59	20.973	0.011	0.004	-4.815	1032.212	1
1080_1080	1080	1080	-123.192	36.519	-0.01	0.439	4.841	-1071.697	1
1080_1081	1080	1081	125.46	22.177	0.002	0.032	-4.77	1093.896	1
1081_1081	1081	1081	-130.55	32.216	-0.015	0.328	4.734	-1123.613	1
1081_1082	1081	1082	129.561	26.254	0.008	0.139	-4.67	1125.387	1
1082_1082	1082	1082	-131.593	30.944	-0.001	0.378	4.612	-1127.447	1
1082_1083	1082	1083	130.801	27.206	-0.006	0.106	-4.683	1133.937	1
1083_1083	1083	1083	-133.091	26.436	-0.008	0.091	4.614	-1134.157	1
1083_1084	1083	1084	129.375	31.753	0.001	0.394	-4.628	1121.22	1
1084_1084	1084	1084	-131.939	25.553	0.013	0.23	4.567	-1120.727	1
1084_1085	1084	1085	128.519	32.959	-0.022	0.249	-4.797	1111.92	1
1085_1085	1085	1085	-128.002	21.52	0.005	-0.072	4.702	-1085.509	1
1085_1086	1085	1086	121.3	37.28	-0.014	0.56	-4.923	1054.558	1
1086_1086	1086	1086	-120.399	20.492	0.005	0.101	4.754	-1021.803	1
1086_1087	1086	1087	112.605	38.299	-0.02	0.381	-5.081	985.66	1
1087_1087	1087	1087	-112.701	16.722	-0.005	-0.158	4.702	-955.623	1
1087_1088	1087	1088	99.594	42.638	-0.011	0.648	-5.162	883.998	1
1088_1088	1088	1088	-95.739	14.421	-0.008	-0.155	4.476	-815.531	1
1088_1089	1088	1089	73.673	44.23	0.013	0.625	-4.859	684.92	1
1089_1089	1089	1089	-92.457	11.856	-0.006	-0.096	3.758	-829.896	1
1089_1090	1089	1090	69.548	49.792	0.014	0.547	-4.053	709.551	1
1090_1090	1090	1090	-73.406	9.805	-0.112	-0.166	3.592	-681.037	1
1090_1091	1090	1091	35.541	51.097	0.15	0.627	-2.206	482.468	1
1091_1091	1091	1091	-49.252	6.662	-0.104	-0.195	3.033	-536.142	1
1091_1092	1091	1092	2.651	55.266	0.194	0.669	-0.073	245.88	1
1092_1092	1092	1092	-19.136	5.773	0.017	0.165	-0.038	-162.763	1
1092_1093	1092	1093	-17.024	58.625	-0.394	0.606	-5.069	31.11	1
1093_1093	1093	1093	-16.806	5.664	0.017	0.092	0.378	-208.497	1
1093_1094	1093	1094	-31.906	62.977	-0.342	0.78	-9.11	-231.38	1
1094_1094	1094	1094	-43.589	50.56	-0.476	0.335	13.105	-73.164	1
1094_1095	1094	1095	101.121	11.167	0.612	0.081	-13.309	396.373	1
1095_1095	1095	1095	-59.762	47.251	-0.479	0.447	8.327	-241.46	1
1095_1096	1095	1096	103.17	13.641	0.673	-0.029	-8.915	476.303	1
1096_1096	1096	1096	-68.664	43.673	-0.406	0.292	3.693	-333.944	1
1096_1097	1096	1097	104.765	15.978	0.636	0.173	-3.345	516.013	1
1097_1097	1097	1097	-75.91	40.813	-0.022	0.3	0.077	-408.275	1
1097_1098	1097	1098	105.021	17.961	0.098	0.117	-2.023	546.402	1
1098_1098	1098	1098	-82.989	37.082	-0.001	0.225	-0.449	-476.774	1
1098_1099	1098	1099	104.356	20.726	0.076	0.202	-1.015	568.233	1
1099_1099	1099	1099	-88.363	33.419	0.015	0.29	-0.684	-526.179	1
1099_1100	1099	1100	102.35	23.782	0.065	0.127	-0.19	577.012	1
1100_1100	1100	1100	-96.111	32.98	0.046	-0.675	-0.613	-592.627	1
1100_1101	1100	1101	104.605	25.129	0.002	0.839	0.011	618.77	1
1101_1101	1101	1101	-98.642	30.248	0.053	-0.63	-0.319	-611.576	1
1101_1102	1101	1102	102.832	27.594	-0.004	0.906	0.06	617.708	1
1102_1102	1102	1102	-100.374	27.607	-0.003	1.011	0.07	-620.994	1
1102_1103	1102	1103	100.478	30.227	0.058	-0.736	0.448	608.845	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1103_1103	1103	1103	-101.572	25.128	0.013	0.714	0.159	-622.902	1
1103_1104	1103	1104	97.38	32.961	0.041	-0.543	0.672	591.069	1
1104_1104	1104	1104	-98.592	23.798	0.062	0.196	0.482	-582.375	1
1104_1105	1104	1105	89.053	33.37	0.019	0.225	0.737	525.76	1
1105_1105	1105	1105	-99.857	20.73	0.082	0.096	1.34	-574.281	1
1105_1106	1105	1106	82.88	37.034	-0.004	0.321	0.421	477.675	1
1106_1106	1106	1106	-99.836	17.951	0.095	0.17	2.458	-553.191	1
1106_1107	1106	1107	75.003	40.764	-0.019	0.249	-0.136	410.505	1
1107_1107	1107	1107	-98.845	15.954	0.651	-0.011	3.815	-522.975	1
1107_1108	1107	1108	66.943	43.65	-0.416	0.406	-3.89	337.456	1
1108_1108	1108	1108	-96.612	13.59	0.666	0.073	9.576	-483.326	1
1108_1109	1108	1109	57.266	47.214	-0.474	0.358	-8.549	245.945	1
1109_1109	1109	1109	-93.641	11.085	0.621	0.095	14.17	-403.587	1
1109_1110	1109	1110	40.327	50.553	-0.484	0.303	-13.599	78.502	1
1110_1110	1110	1110	36.58	60.973	-0.359	0.852	10.334	180.948	1
1110_1111	1110	1111	15.904	2.984	0.013	0.065	0.221	138.163	1
1111_1111	1111	1111	22.655	56.649	-0.416	0.625	6.214	-62.859	1
1111_1112	1111	1112	24.352	5.058	0.148	-0.062	-2.716	406.284	1
1112_1112	1112	1112	4.496	53.287	0.161	0.742	1.046	-257.54	1
1112_1113	1112	1113	44.531	7.757	-0.09	-0.231	-3.414	547.092	1
1113_1113	1113	1113	-26.392	49.22	0.117	0.592	2.673	-471.805	1
1113_1114	1113	1114	66.844	10.913	-0.095	-0.1	-3.734	680.438	1
1114_1114	1114	1114	-58.064	48.083	0.028	0.811	4.111	-681.687	1
1114_1115	1114	1115	83.917	12.887	-0.015	-0.332	-3.958	818.822	1
1115_1115	1115	1115	-67.014	41.957	0.013	0.333	3.727	-598.355	1
1115_1116	1115	1116	93.567	15.361	-0.01	0.005	-3.528	740.244	1
1116_1116	1116	1116	-94.291	40.472	-0.025	0.35	3.961	-779.603	1
1116_1117	1116	1117	110.07	17.785	0.013	-0.035	-3.532	862.436	1
1117_1117	1117	1117	-106.444	35.983	-0.031	0.299	3.659	-860.484	1
1117_1118	1117	1118	115.723	21.688	0.02	0.016	-3.38	907.666	1
1118_1118	1118	1118	-113.852	34.924	-0.02	0.336	3.305	-909.4	1
1118_1119	1118	1119	121.319	22.712	0.015	-0.009	-3.197	950.086	1
1119_1119	1119	1119	-119.809	30.474	-0.027	0.156	3.045	-948.058	1
1119_1120	1119	1120	122.855	26.888	0.023	0.173	-2.924	964.21	1
1120_1120	1120	1120	-118.88	29.323	-0.016	0.167	2.738	-940.714	1
1120_1121	1120	1121	121.452	27.731	0.013	0.156	-2.71	957.485	1
1121_1121	1121	1121	-118.724	24.684	-0.02	0.121	2.523	-937.612	1
1121_1122	1121	1122	117.137	32.41	0.017	0.205	-2.453	930.553	1
1122_1122	1122	1122	-115.7	23.853	-0.006	0.071	2.302	-914.781	1
1122_1123	1122	1123	113.64	33.613	0.003	0.253	-2.338	908.002	1
1123_1123	1123	1123	-110.195	19.737	-0.01	0.023	2.236	-874.408	1
1123_1124	1123	1124	103.443	38.064	0.007	0.306	-2.215	840.658	1
1124_1124	1124	1124	-100.972	18.782	0	0.049	2.153	-808.039	1
1124_1125	1124	1125	91.809	39.069	-0.006	0.287	-2.232	763.223	1
1125_1125	1125	1125	-92.335	15.001	-0.008	-0.082	2.123	-743.016	1
1125_1126	1125	1126	75.61	43.539	0.001	0.423	-2.204	655.107	1
1126_1126	1126	1126	-75.401	13.027	-0.045	-0.044	1.991	-618.618	1
1126_1127	1126	1127	46.762	45.023	0.048	0.381	-1.484	463.009	1
1127_1127	1127	1127	-75.99	10.548	-0.04	-0.07	1.225	-602.8	1
1127_1128	1127	1128	44.699	50.291	0.05	0.285	-0.838	451.231	1
1128_1128	1128	1128	-57.037	9.007	-0.088	-0.033	0.955	-477.651	1
1128_1129	1128	1129	8.389	51.106	0.118	0.26	0.587	236.589	1
1129_1129	1129	1129	-30.238	6.403	0.058	0.083	0.463	-180.181	1
1129_1130	1129	1130	-24.459	55.323	0.154	0.583	2.8	18.958	1
1130_1130	1130	1130	-30.981	5.893	0.025	0.119	1.304	-240.165	1
1130_1131	1130	1131	-40.102	58.418	-0.313	0.512	-1.31	-185.296	1
1131_1131	1131	1131	-27.762	5.664	0.024	0.021	1.664	-288.577	1
1131_1132	1131	1132	-51.067	62.652	-0.284	0.541	-5.009	-432.156	1
1132_1132	1132	1132	-31.225	51.31	-0.355	-0.188	9.166	18.902	1
1132_1133	1132	1133	91.722	8.861	0.396	0.408	-7.852	284.103	1
1133_1133	1133	1133	-50.744	47.43	-0.302	-0.006	4.717	-151.943	1
1133_1134	1133	1134	97.985	11.543	0.372	0.185	-4.026	356.96	1
1134_1134	1134	1134	-62.533	43.709	-0.328	0.558	2.017	-248.955	1
1134_1135	1134	1135	100.796	14.146	0.455	-0.661	-0.249	400.224	1
1135_1135	1135	1135	-72.546	40.965	0.015	0.123	-0.605	-329.826	1
1135_1136	1135	1136	103.097	15.56	0.007	0.078	0.005	440.346	1
1136_1136	1136	1136	-82.012	36.818	0.013	0.226	-0.521	-403.929	1
1136_1137	1136	1137	104.009	18.519	0.009	-0.033	0.189	470.962	1
1137_1137	1137	1137	-88.936	32.767	0.02	0.164	-0.419	-456.827	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1137_1138	1137	1138	103.086	21.776	0	0.013	0.255	487.714	1
1138_1138	1138	1138	-98.008	32.011	0.008	0.128	-0.228	-521.394	1
1138_1139	1138	1139	106.426	23.407	0.004	0.055	0.301	531.185	1
1139_1139	1139	1139	-100.785	29.007	0.014	0.027	-0.136	-540.088	1
1139_1140	1139	1140	105.118	26.109	-0.005	0.155	0.265	534.968	1
1140_1140	1140	1140	-102.239	26.119	0.015	0.054	-0.004	-547.579	1
1140_1141	1140	1141	102.936	29.005	-0.006	0.136	0.214	530.46	1
1141_1141	1141	1141	-102.865	23.43	0.011	0.191	0.138	-546.984	1
1141_1142	1141	1142	99.406	32.018	-0.002	-0.013	0.179	514.598	1
1142_1142	1142	1142	-98.45	21.817	0.017	-0.024	0.298	-506.747	1
1142_1143	1142	1143	89.615	32.868	0.007	0.207	0.193	453.138	1
1143_1143	1143	1143	-98.3	18.547	0.021	0.012	0.573	-493.074	1
1143_1144	1143	1144	81.664	36.899	0.003	0.189	0.106	403.941	1
1144_1144	1144	1144	-96.381	15.587	0.02	0.121	0.904	-465.688	1
1144_1145	1144	1145	71.263	41.015	0.002	0.082	-0.016	334.15	1
1145_1145	1145	1145	-93.254	13.53	0.335	-0.065	1.274	-428.789	1
1145_1146	1145	1146	60.328	44.073	-0.233	0.255	-2	257.015	1
1146_1146	1146	1146	-88.664	11.013	0.339	-0.021	4.108	-383.161	1
1146_1147	1146	1147	47.276	47.916	-0.26	0.235	-4.413	161.747	1
1147_1147	1147	1147	-79.902	8.409	0.361	0.085	7.395	-312.136	1
1147_1148	1147	1148	25.788	51.792	-0.304	0.258	-8.162	-7.548	1
1148_1148	1148	1148	54.385	58.53	-0.216	0.541	4.674	277.439	1
1148_1149	1148	1149	31.153	3.476	0.013	0.039	-0.286	213.212	1
1149_1149	1149	1149	43.865	54.221	-0.254	0.477	1.992	59.791	1
1149_1150	1149	1150	11.546	5.886	0.07	-0.031	-0.975	309.32	1
1150_1150	1150	1150	29.525	50.991	0.115	0.502	-1.388	-111.224	1
1150_1151	1150	1151	27.716	8.507	-0.057	-0.1	-1.149	426.196	1
1151_1151	1151	1151	-1.871	46.892	0.086	0.24	0.086	-283.052	1
1151_1152	1151	1152	52.342	11.419	-0.065	-0.048	-1.437	502.327	1
1152_1152	1152	1152	-34.047	46.048	0.047	0.218	1.073	-465.444	1
1152_1153	1152	1153	68.14	13.141	-0.025	-0.03	-1.57	612.731	1
1153_1153	1153	1153	-38.973	40.289	0.038	0.171	1.243	-439.226	1
1153_1154	1153	1154	71.101	15.642	-0.025	-0.021	-1.677	585.148	1
1154_1154	1154	1154	-63.736	38.414	0	0.148	1.742	-587.397	1
1154_1155	1154	1155	83.424	17.967	0.004	0.005	-1.693	675.082	1
1155_1155	1155	1155	-75.538	33.693	-0.003	0.129	1.709	-657.211	1
1155_1156	1155	1156	86.572	22.044	0.007	0.025	-1.659	704.669	1
1156_1156	1156	1156	-85.053	32.55	0.002	0.113	1.657	-711.894	1
1156_1157	1156	1157	91.858	23.454	0.003	0.041	-1.645	743.704	1
1157_1157	1157	1157	-90.235	28.33	-0.001	0.084	1.659	-739.491	1
1157_1158	1157	1158	91.103	27.491	0.007	0.071	-1.606	744.468	1
1158_1158	1158	1158	-91.483	27.272	0.006	0.07	1.645	-742.314	1
1158_1159	1158	1159	89.705	28.562	-0.002	0.084	-1.641	739.302	1
1159_1159	1159	1159	-92.161	23.236	0.003	0.04	1.692	-739.821	1
1159_1160	1159	1160	84.504	32.779	0.002	0.114	-1.657	710.013	1
1160_1160	1160	1160	-86.674	21.851	0.008	0	1.712	-698.426	1
1160_1161	1160	1161	74.867	33.936	-0.003	0.149	-1.719	652.961	1
1161_1161	1161	1161	-83.286	17.77	0.007	0.028	1.764	-666.656	1
1161_1162	1161	1162	63.013	38.637	-0.004	0.12	-1.804	581.037	1
1162_1162	1162	1162	-70.607	15.342	-0.033	-0.03	1.785	-574.119	1
1162_1163	1162	1163	37.974	40.627	0.048	0.179	-1.182	429.697	1
1163_1163	1163	1163	-68.307	12.817	-0.03	-0.013	1.468	-593.224	1
1163_1164	1163	1164	33.926	46.353	0.054	0.195	-0.87	448.671	1
1164_1164	1164	1164	-52.036	11.043	-0.064	-0.064	1.311	-481.585	1
1164_1165	1164	1165	1.281	47.289	0.082	0.244	0.061	263.674	1
1165_1165	1165	1165	-29.596	8.067	-0.049	-0.054	0.924	-390.521	1
1165_1166	1165	1166	-29.398	51.325	0.098	0.351	1.315	81.515	1
1166_1166	1166	1166	-12.546	5.399	0.058	-0.034	0.784	-276.522	1
1166_1167	1166	1167	-44.4	54.751	-0.212	0.371	-1.511	-91.474	1
1167_1167	1167	1167	-37.105	3.723	0.011	0.028	0.343	-239.101	1
1167_1168	1167	1168	-55.388	59.101	-0.179	0.417	-3.77	-310.303	1
1168_1168	1168	1168	-25.715	51.694	-0.261	0.208	6.96	15.58	1
1168_1169	1168	1169	83.178	8.537	0.309	0.063	-6.196	295.63	1
1169_1169	1169	1169	-47.943	47.908	-0.194	0.227	3.257	-150.368	1
1169_1170	1169	1170	91.569	11.088	0.251	-0.036	-2.949	366.039	1
1170_1170	1170	1170	-61.429	44.117	-0.174	0.244	1.472	-243.779	1
1170_1171	1170	1171	96.266	13.552	0.249	-0.077	-0.859	409.791	1
1171_1171	1171	1171	-72.857	40.944	-0.005	0.105	-0.001	-320.503	1
1171_1172	1171	1172	99.517	15.695	0.027	0.091	-0.502	445.156	1

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1172_1172	1172	1172	-83.521	36.89	-0.004	0.205	-0.125	-389.569	1
1172_1173	1172	1173	101.427	18.61	0.027	-0.015	-0.184	471.603	1
1173_1173	1173	1173	-91.595	32.911	0.004	0.152	-0.206	-438.705	1
1173_1174	1173	1174	101.503	21.827	0.02	0.031	0.052	485.033	1
1174_1174	1174	1174	-101.747	31.977	0.003	0.024	-0.18	-500.381	1
1174_1175	1174	1175	105.988	23.527	0.002	0.146	0.106	524.442	1
1175_1175	1175	1175	-105.299	29.016	0	0.161	-0.152	-517.39	1
1175_1176	1175	1176	105.243	26.189	0.005	0.018	0.15	525.431	1
1176_1176	1176	1176	-107.424	26.164	0.004	0.07	-0.144	-523.456	1
1176_1177	1176	1177	103.639	29.043	0.001	0.105	0.163	518.81	1
1177_1177	1177	1177	-108.663	23.504	0.005	0.091	-0.106	-521.839	1
1177_1178	1177	1178	100.613	32.008	0	0.08	0.171	501.229	1
1178_1178	1178	1178	-104.899	21.816	0.021	0.058	-0.033	-482.091	1
1178_1179	1178	1179	90.985	32.961	0.002	0.135	0.187	438.936	1
1179_1179	1179	1179	-105.465	18.608	0.028	0.013	0.211	-468.019	1
1179_1180	1179	1180	83.55	36.936	-0.005	0.183	0.091	388.54	1
1180_1180	1180	1180	-104.231	15.709	0.032	0.048	0.537	-441.382	1
1180_1181	1180	1181	73.609	40.993	-0.009	0.152	-0.072	318.777	1
1181_1181	1181	1181	-101.751	13.585	0.244	-0.085	0.931	-406.138	1
1181_1182	1181	1182	62.918	44.2	-0.172	0.243	-1.537	241.05	1
1182_1182	1182	1182	-97.751	11.148	0.246	-0.046	2.979	-362.829	1
1182_1183	1182	1183	50.117	47.975	-0.192	0.229	-3.304	146.971	1
1183_1183	1183	1183	-90.695	8.624	0.282	0.076	5.817	-291.218	1
1183_1184	1183	1184	28.586	51.712	-0.24	0.187	-6.554	-19.478	1
1184_1184	1184	1184	50.532	61.07	-0.166	0.408	3.357	349.118	1
1184_1185	1184	1185	24.991	5.872	0.014	0.07	-0.485	226.82	1
1185_1185	1185	1185	37.9	56.712	-0.192	0.374	1.222	112.123	1
1185_1186	1185	1186	27.087	6.121	0.016	0.058	-0.226	177.849	1
1186_1186	1186	1186	20.16	53.074	0.098	0.352	-1.391	-81.879	1
1186_1187	1186	1187	34.376	7.098	-0.047	-0.054	-0.884	381.068	1
1187_1187	1187	1187	-13.532	48.838	0.084	0.24	-0.132	-284.342	1
1187_1188	1187	1188	59.115	10.086	-0.062	-0.066	-1.261	483.392	1
1188_1188	1188	1188	-49.339	47.511	0.057	0.223	0.825	-483.241	1
1188_1189	1188	1189	77.903	12.008	-0.032	-0.013	-1.435	604.233	1
1189_1189	1189	1189	-53.782	41.957	0.054	0.243	1.194	-498.049	1
1189_1190	1189	1190	79.783	14.674	-0.036	-0.048	-1.823	626.131	1
1190_1190	1190	1190	-80.738	39.77	0.011	0.154	1.907	-669.783	1
1190_1191	1190	1191	95.284	17.227	-0.001	0.058	-1.918	737.712	1
1191_1191	1191	1191	-93.989	35.106	0.015	0.254	2.01	-753.791	1
1191_1192	1191	1192	101.187	21.268	-0.005	-0.042	-2.04	783.787	1
1192_1192	1192	1192	-104.549	33.658	0.007	0.161	2.16	-819.5	1
1192_1193	1192	1193	108.592	22.903	0.001	0.06	-2.091	836.944	1
1193_1193	1193	1193	-110.498	29.44	0.005	0.129	2.207	-854.827	1
1193_1194	1193	1194	109.847	26.962	0.002	0.09	-2.128	849.26	1
1194_1194	1194	1194	-112.447	28.201	0.016	0.061	2.25	-863.653	1
1194_1195	1194	1195	110.043	28.246	-0.008	0.152	-2.264	853.182	1
1195_1195	1195	1195	-113.443	24.185	0.017	0.098	2.388	-864.826	1
1195_1196	1195	1196	106.185	32.471	-0.01	0.113	-2.432	830.299	1
1196_1196	1196	1196	-108.383	22.522	0.006	-0.044	2.513	-825.765	1
1196_1197	1196	1197	97.756	34.01	0.001	0.249	-2.492	777.384	1
1197_1197	1197	1197	-104.73	18.531	0.009	0.059	2.508	-793.367	1
1197_1198	1197	1198	86.765	38.664	-0.002	0.146	-2.586	706.835	1
1198_1198	1198	1198	-91.431	16	-0.037	-0.05	2.489	-695.485	1
1198_1199	1198	1199	62.394	40.845	0.051	0.261	-1.938	550.738	1
1199_1199	1199	1199	-90.232	13.341	-0.033	-0.037	2.111	-682.519	1
1199_1200	1199	1200	59.402	46.623	0.057	0.292	-1.627	548.646	1
1200_1200	1200	1200	-72.296	11.123	-0.053	-0.11	1.878	-568.222	1
1200_1201	1200	1201	25.174	48.132	0.069	0.361	-0.832	364.735	1
1201_1201	1201	1201	-44.315	8.097	-0.056	-0.128	2.152	-486.902	1
1201_1202	1201	1202	-9.39	52.394	0.112	0.551	0.195	191.082	1
1202_1202	1202	1202	-24.429	5.301	0.079	-0.142	1.893	-362.287	1
1202_1203	1202	1203	-26.847	56.081	-0.295	0.582	-3.655	11.638	1
1203_1203	1203	1203	-17.645	3.971	0.012	0.081	-0.034	-150.839	1
1203_1204	1203	1204	-40.257	60.342	-0.251	0.663	-6.649	-212.932	1
1204_1204	1204	1204	-33.463	51.332	-0.373	0.24	10.735	-26.799	1
1204_1205	1204	1205	92.486	10.564	0.465	0.138	-10.718	360.243	1
1205_1205	1205	1205	-53.323	47.854	-0.309	0.316	5.705	-189.801	1
1205_1206	1205	1206	98.875	12.965	0.42	-0.078	-6.009	432.763	1
1206_1206	1206	1206	-64.818	44.344	-0.275	0.331	2.71	-278.263	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1206_1207	1206	1207	101.683	15.257	0.412	-0.128	-2.424	468.489	1
1207_1207	1207	1207	-74.775	41.271	-0.034	0.215	0.259	-352.044	1
1207_1208	1207	1208	103.284	17.262	0.088	0.057	-1.379	496.387	1
1208_1208	1208	1208	-84.209	37.475	-0.019	0.182	-0.243	-419.121	1
1208_1209	1208	1209	103.806	19.985	0.075	0.094	-0.53	516.467	1
1209_1209	1209	1209	-91.639	33.743	-0.007	0.22	-0.534	-468.472	1
1209_1210	1209	1210	102.856	22.989	0.066	0.044	0.194	524.838	1
1210_1210	1210	1210	-101.518	32.707	0.005	0.144	-0.604	-533.93	1
1210_1211	1210	1211	106.449	24.702	0.02	0.096	0.426	562.359	1
1211_1211	1211	1211	-104.999	29.938	0.014	0.055	-0.559	-552.04	1
1211_1212	1211	1212	105.284	27.202	0.01	0.19	0.522	561.055	1
1212_1212	1212	1212	-107.371	27.271	0.017	0.092	-0.438	-560.414	1
1212_1213	1212	1213	103.49	29.871	0.007	0.16	0.579	553.031	1
1213_1213	1213	1213	-109.078	24.778	0.015	0.233	-0.275	-561.855	1
1213_1214	1213	1214	100.529	32.633	0.009	0.005	0.626	534.79	1
1214_1214	1214	1214	-106.167	22.999	0.073	-0.015	-0.062	-524.264	1
1214_1215	1214	1215	91.217	33.755	-0.013	0.266	0.482	469.455	1
1215_1215	1215	1215	-107.728	19.999	0.076	0.122	0.733	-515.615	1
1215_1216	1215	1216	84.461	37.479	-0.02	0.152	0.151	419.704	1
1216_1216	1216	1216	-107.781	17.277	0.09	0.08	1.608	-495.239	1
1216_1217	1216	1217	75.723	41.275	-0.036	0.185	-0.395	352.389	1
1217_1217	1217	1217	-106.852	15.207	0.4	-0.096	2.678	-467.15	1
1217_1218	1217	1218	66.561	44.339	-0.261	0.326	-2.767	278.498	1
1218_1218	1218	1218	-104.463	12.904	0.408	-0.04	6.182	-430.736	1
1218_1219	1218	1219	55.722	47.867	-0.296	0.299	-5.676	189.734	1
1219_1219	1219	1219	-98.944	10.488	0.429	0.087	10.073	-354.449	1
1219_1220	1219	1220	36.44	51.307	-0.339	0.28	-9.905	26.299	1
1220_1220	1220	1220	39.134	62.661	-0.256	0.817	6.138	260.505	1
1220_1221	1220	1221	26.992	6.444	0.016	0.064	0.813	230.187	1
1221_1221	1221	1221	24.606	58.544	-0.306	0.638	3.113	16.726	1
1221_1222	1221	1222	27.706	6.795	0.011	0.208	1.041	173.874	1
1222_1222	1222	1222	4.889	54.838	0.12	0.786	-0.762	-185.634	1
1222_1223	1222	1223	24.327	7.39	0.034	0.161	1.547	108.081	1
1223_1223	1223	1223	-32.512	50.665	0.067	0.325	0.609	-380.741	1
1223_1224	1223	1224	78.218	9.83	-0.057	0.001	-1.563	574.243	1
1224_1224	1224	1224	-69.97	48.709	0.049	0.509	1.427	-580.832	1
1224_1225	1224	1225	98.375	12.4	-0.028	-0.204	-1.749	698.435	1
1225_1225	1225	1225	-61.58	42.394	0.042	0.44	2.097	-585.671	1
1225_1226	1225	1226	89.334	15.041	-0.031	0.062	-2.443	733.02	1
1226_1226	1226	1226	-92.744	39.306	0	0.72	2.807	-807.817	1
1226_1227	1226	1227	106.963	18.825	0	-0.222	-2.612	873.904	1
1227_1227	1227	1227	-104.613	34.392	-0.011	0.153	2.792	-893.711	1
1227_1228	1227	1228	111.893	23.127	0.01	0.328	-2.59	919.725	1
1228_1228	1228	1228	-110.812	31.726	0.009	0.462	2.64	-938.1	1
1228_1229	1228	1229	115.044	25.738	-0.003	0.001	-2.665	950.601	1
1229_1229	1229	1229	-113.965	27.003	0.003	0.082	2.721	-959.163	1
1229_1230	1229	1230	112.912	30.458	0.003	0.375	-2.692	942.972	1
1230_1230	1230	1230	-112.277	24.376	-0.027	0.274	2.704	-943.856	1
1230_1231	1230	1231	107.432	33.287	0.022	0.187	-2.471	910.147	1
1231_1231	1231	1231	-108.337	20.088	-0.035	-0.081	2.278	-909.92	1
1231_1232	1231	1232	96.493	38.18	0.032	0.545	-2.09	837.329	1
1232_1232	1232	1232	-106.525	18.429	-0.067	0.216	1.779	-889.878	1
1232_1233	1232	1233	91.244	41.224	0.062	0.243	-1.438	802.137	1
1233_1233	1233	1233	-96.122	14.934	-0.068	-0.086	1.074	-806.515	1
1233_1234	1233	1234	70.391	45.111	0.074	0.537	-0.506	656.48	1
1234_1234	1234	1234	-102.812	14	-0.121	-0.428	0.52	-865.493	1
1234_1235	1234	1235	85.364	49.606	0.144	0.697	-0.141	778.085	1
1235_1235	1235	1235	-90.335	12.623	0.149	0.003	0.275	-770.466	1
1235_1236	1235	1236	57.725	49.718	-0.153	0.296	-1.178	621.757	1
1236_1236	1236	1236	-72.804	10.253	0.132	-0.095	1.447	-672.153	1
1236_1237	1236	1237	30.648	52.425	-0.151	0.401	-2.609	443.413	1
1237_1237	1237	1237	-53.63	9.696	0.182	-0.606	4.161	-732.938	1
1237_1238	1237	1238	21.162	55.879	-0.224	1.211	-5.086	535.718	1
1238_1238	1238	1238	-37.165	9.723	-0.794	-0.038	4.871	-574.325	1
1238_1239	1238	1239	-7.91	52.715	0.705	0.715	2.438	263.247	1
1239_1239	1239	1239	-22.51	7.297	-0.772	-0.034	-3.665	-456.923	1
1239_1240	1239	1240	-22.327	56.09	0.763	0.63	11.247	94.064	1
1240_1240	1240	1240	-10.372	10.796	1.293	-2.058	-11.625	-301.574	1
1240_1241	1240	1241	-30.124	52.515	-1.446	3.206	-4.923	-68.694	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1241_1241	1241	1241	-57.165	46.521	0.464	2.196	7.86	-176.174	1
1241_1242	1241	1242	106.463	16.904	-0.604	-1.989	-15.793	512.969	1
1242_1242	1242	1242	-81.948	45.367	0.433	1.963	11.141	-404.2	1
1242_1243	1242	1243	115.483	19.515	-0.571	-1.884	-16.448	613.644	1
1243_1243	1243	1243	-68.449	45.544	-0.607	0.568	10.893	-297.436	1
1243_1244	1243	1244	107.876	17.059	0.756	0.007	-9.322	558.052	1
1244_1244	1244	1244	-75.996	41.342	-0.492	0.347	3.988	-368.663	1
1244_1245	1244	1245	106.395	19.596	0.727	0.296	-1.158	567.616	1
1245_1245	1245	1245	-87.313	38.007	-0.106	0.542	-1.385	-466.033	1
1245_1246	1245	1246	106.459	22.068	0.153	0.109	0.991	591.984	1
1246_1246	1246	1246	-94.915	33.965	-0.067	0.252	-2.503	-524.695	1
1246_1247	1246	1247	103.766	25.274	0.118	0.424	2.585	589.058	1
1247_1247	1247	1247	-102.509	31.04	-0.021	0.397	-2.977	-578.243	1
1247_1248	1247	1248	102.718	28.117	0.002	0.248	2.92	594.79	1
1248_1248	1248	1248	-104.593	27.026	-0.007	0.259	-2.888	-573.78	1
1248_1249	1248	1249	95.707	31.659	-0.011	0.403	3.012	540.441	1
1249_1249	1249	1249	-109.23	23.83	0.459	0.49	-2.514	-584.743	1
1249_1250	1249	1250	90.272	35.326	-0.356	0.217	-0.445	493.931	1
1250_1250	1250	1250	-113.963	20.888	0.477	0.066	2.481	-596.131	1
1250_1251	1250	1251	85.466	39.649	-0.444	0.584	-5.075	446.31	1
1251_1251	1251	1251	-114.572	20.688	0.357	0.393	6.904	-566.287	1
1251_1252	1251	1252	76.887	39.737	-0.019	0.236	-5.988	360.37	1
1252_1252	1252	1252	-115.115	17.267	0.463	0.13	11.145	-533.382	1
1252_1253	1252	1253	65.264	43.8	-0.117	0.418	-8.611	238.754	1
1253_1253	1253	1253	-125.983	16.367	0.459	0.27	16.174	-612.97	1
1253_1254	1253	1254	85.357	48.181	-0.191	0.232	-11.047	385.629	1
1254_1254	1254	1254	-121.126	18.467	-0.407	-3.509	18.319	-552.476	1
1254_1255	1254	1255	72.874	45.65	0.149	3.13	-10.744	266.449	1
1255_1255	1255	1255	22.478	59.206	-1.154	2.601	9.831	11.956	1
1255_1256	1255	1256	14.486	7.163	0.695	-1.402	0.476	340.216	1
1256_1256	1256	1256	13.875	57.146	-1.199	2.382	0.765	-134.602	1
1256_1257	1256	1257	23.021	8.86	0.799	-1.323	6.137	440.36	1
1257_1257	1257	1257	11.568	59.363	-0.038	0.7	-7.621	-161.187	1
1257_1258	1257	1258	37.632	6.311	0.017	0.126	0.82	213.987	1
1258_1258	1258	1258	-0.75	55.398	-0.095	0.733	-7.993	-288.351	1
1258_1259	1258	1259	51.359	8.01	-0.106	-0.001	4.569	625.302	1
1259_1259	1259	1259	-39.593	52.377	0.43	0.385	-5.924	-472.823	1
1259_1260	1259	1260	85.567	10.235	-0.322	-0.133	0.614	694.59	1
1260_1260	1260	1260	-67.277	49.013	0.419	0.341	-1.213	-627.902	1
1260_1261	1260	1261	100.879	13.091	-0.358	-0.055	-2.43	790.893	1
1261_1261	1261	1261	-107.69	47.674	0.314	0.346	2.113	-804.568	1
1261_1262	1261	1262	123.279	15.873	-0.292	-0.081	-2.785	870.038	1
1262_1262	1262	1262	-89.923	44.313	-0.008	0.525	3.18	-699.782	1
1262_1263	1262	1263	114.498	16.122	0.006	-0.185	-2.744	818.071	1
1263_1263	1263	1263	-102.897	39.826	-0.017	0.257	3.131	-787.825	1
1263_1264	1263	1264	120.497	19.466	0.012	0.086	-2.703	866.088	1
1264_1264	1264	1264	-115.39	37.045	-0.01	0.442	2.952	-871.451	1
1264_1265	1264	1265	127.287	21.891	0.004	-0.1	-2.74	918.836	1
1265_1265	1265	1265	-123.726	32.724	-0.02	0.112	2.828	-927.529	1
1265_1266	1265	1266	130.129	25.864	0.013	0.224	-2.636	945.231	1
1266_1266	1266	1266	-126.332	30.041	-0.026	0.262	2.584	-946.086	1
1266_1267	1266	1267	129.831	28.357	0.01	0.066	-2.509	950.61	1
1267_1267	1267	1267	-127.513	25.927	-0.035	0.049	2.224	-953.981	1
1267_1268	1267	1268	126.343	32.667	0.02	0.278	-2.234	934.851	1
1268_1268	1268	1268	-119.709	22.714	-0.056	0.177	1.751	-902.842	1
1268_1269	1268	1269	113.327	35.46	0.035	0.162	-1.664	857.736	1
1269_1269	1269	1269	-117.074	19.013	-0.065	-0.098	0.95	-882.201	1
1269_1270	1269	1270	104.417	40.434	0.05	0.431	-0.895	805.676	1
1270_1270	1270	1270	-113.749	16.851	0.212	0.084	0.199	-856.343	1
1270_1271	1270	1271	97.345	43.914	-0.231	0.227	-2.775	763.23	1
1271_1271	1271	1271	-100.866	13.766	0.185	-0.086	1.977	-767.049	1
1271_1272	1271	1272	72.861	47.371	-0.231	0.403	-5.255	609.359	1
1272_1272	1272	1272	-95.802	12.743	0.232	-0.377	5.281	-860.491	1
1272_1273	1272	1273	74.806	51.713	-0.308	0.743	-8.265	741.584	1
1273_1273	1273	1273	-82.555	14.505	-0.048	0.027	5.71	-758.938	1
1273_1274	1273	1274	50.357	47.655	0.16	0.338	-6.863	589.25	1
1274_1274	1274	1274	-72.26	12.346	-0.028	-0.129	4.967	-702.787	1
1274_1275	1274	1275	33.896	50.314	0.151	0.488	-5.478	503.852	1
1275_1275	1275	1275	-54.723	11.757	-0.042	-0.839	7.114	-767.202	1

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1275_1276	1275	1276	25.227	53.185	0.226	1.424	-7.311	587.843	1
1276_1276	1276	1276	-37.051	11.509	-1.369	-0.106	6.64	-586.41	1
1276_1277	1276	1277	-7.407	50.077	1.4	0.697	9.157	285.303	1
1277_1277	1277	1277	-20.601	8.483	-1.277	0.028	-8.846	-450.262	1
1277_1278	1277	1278	-24.21	53.723	1.448	0.376	-28.132	89.699	1
1278_1278	1278	1278	-9.803	12.147	2.07	-2.688	-23.552	-344.931	1
1278_1279	1278	1279	-25.635	51.211	-2.602	4.068	3.833	62.702	1
1279_1279	1279	1279	-52.333	46.421	0.824	1.933	-0.707	-169.016	1
1279_1280	1279	1280	102.897	17.622	-1.221	-1.846	-10.711	545.058	1
1280_1280	1280	1280	-71.447	44.407	0.68	1.577	5.734	-341.516	1
1280_1281	1280	1281	108.015	19.966	-1.078	-1.601	-15.306	597.073	1
1281_1281	1281	1281	-57.921	41.612	-0.49	0.545	12.377	-244.044	1
1281_1282	1281	1282	91.576	19.905	1.164	-0.053	-13.644	539.544	1
1282_1282	1282	1282	-69.73	36.888	-0.217	0.227	3.508	-355.461	1
1282_1283	1282	1283	88.115	23.512	1.012	0.365	-0.225	533.006	1
1283_1283	1283	1283	-79.335	33.971	-0.033	0.554	0.824	-428.408	1
1283_1284	1283	1284	84.421	24.522	0.006	0.114	-0.366	518.549	1
1284_1284	1284	1284	-91.698	29.674	0.007	0.103	0.214	-523.304	1
1284_1285	1284	1285	83.79	29.046	-0.027	0.563	-0.783	524.188	1
1285_1285	1285	1285	-98.303	27.509	0.196	0.562	0.01	-544.603	1
1285_1286	1285	1286	80.267	31.002	0.126	0.114	0.628	485.537	1
1286_1286	1286	1286	-106.798	23.769	0.311	0.11	2.612	-581.718	1
1286_1287	1286	1287	77.967	35.564	0.014	0.498	-0.02	447.85	1
1287_1287	1287	1287	-110.955	21.749	0.455	0.552	7.062	-550.586	1
1287_1288	1287	1288	67.491	37.52	-0.121	0.164	-3.056	312.463	1
1288_1288	1288	1288	-119.833	18.436	0.59	0.024	14.7	-582.626	1
1288_1289	1288	1289	66	42.926	-0.261	0.487	-8.914	253.217	1
1289_1289	1289	1289	-130.012	19.18	-1.004	-0.98	22.108	-669.602	1
1289_1290	1289	1290	83.175	45.441	0.486	0.999	-10.307	389.743	1
1290_1290	1290	1290	-127.622	16.653	-1.107	-1.346	-20.193	-596.238	1
1290_1291	1290	1291	65.561	47.023	0.538	1.322	-6.667	170.367	1
1291_1291	1291	1291	6.476	62.415	-2.185	3.586	-2.705	-134.195	1
1291_1292	1291	1292	15.995	6.743	1.328	-2.075	14.677	395.73	1
1292_1292	1292	1292	3.303	63.582	0.764	0.882	-18.266	-170.463	1
1292_1293	1292	1293	26.194	4.143	-0.815	-0.237	5.33	510.594	1
1293_1293	1293	1293	-19.553	60.32	0.697	0.442	-8.384	-509.979	1
1293_1294	1293	1294	44.51	6.43	-0.841	0.29	-2.867	731.23	1
1294_1294	1294	1294	-47.266	58.419	0.152	1.8	-0.819	-845.497	1
1294_1295	1294	1295	61.469	8.863	-0.03	-1.083	-2.08	942.057	1
1295_1295	1295	1295	-73.249	55.726	0.103	0.325	0.24	-915.093	1
1295_1296	1295	1296	83.581	10.421	-0.031	0.015	-1.362	976.474	1
1296_1296	1296	1296	-84.79	52.793	0.107	0.182	1.102	-1015.128	1
1296_1297	1296	1297	91.369	12.347	-0.045	0.187	-1.587	1066.256	1
1297_1297	1297	1297	-106.777	53.255	0.025	1.093	2.139	-1256.78	1
1297_1298	1297	1298	106.315	13.054	-0.056	-0.666	-1.807	1235.722	1
1298_1298	1298	1298	-88.516	50.831	0.016	1.289	3.728	-1334.815	1
1298_1299	1298	1299	90.779	14.232	-0.082	-0.597	-3.497	1344.821	1
1299_1299	1299	1299	-93.313	46.734	-0.016	-0.042	4.032	-1403.951	1
1299_1300	1299	1300	95.525	16.583	-0.067	0.717	-4.301	1415.856	1
1300_1300	1300	1300	-102.946	44.368	-0.094	1.643	3.916	-1538.883	1
1300_1301	1300	1301	104.595	18.28	0.053	-0.847	-3.439	1547.923	1
1301_1301	1301	1301	-115.987	40.372	-0.111	-0.473	2.666	-1719.416	1
1301_1302	1301	1302	115.511	22.299	0.078	1.108	-2.284	1704.706	1
1302_1302	1302	1302	-118.101	38.109	-0.067	1.687	1.536	-1747.146	1
1302_1303	1302	1303	119.678	23.591	0.034	-0.941	-1.444	1766.044	1
1303_1303	1303	1303	-126.083	34.081	-0.086	-1.017	0.684	-1854.803	1
1303_1304	1303	1304	127.652	28.006	0.057	1.691	-0.42	1879.397	1
1304_1304	1304	1304	-122.164	31.94	-0.086	1.247	-0.046	-1795.402	1
1304_1305	1304	1305	126.937	29.08	0.063	-0.634	0.771	1870.797	1
1305_1305	1305	1305	-121.933	27.583	-0.099	-0.979	-0.962	-1785.809	1
1305_1306	1305	1306	128.59	33.594	0.082	1.689	2.029	1893.738	1
1306_1306	1306	1306	-113.983	25.62	-0.094	0.847	-1.676	-1667.089	1
1306_1307	1306	1307	125.058	34.687	0.086	-0.346	3.32	1843.544	1
1307_1307	1307	1307	-101.894	20.435	-0.099	-0.826	-2.252	-1487.932	1
1307_1308	1307	1308	116.68	39.035	0.099	1.619	4.665	1724.69	1
1308_1308	1308	1308	-86.18	17.302	-0.091	0.451	-2.683	-1256.244	1
1308_1309	1308	1309	107.455	41.007	0.064	0.008	5.469	1592.085	1
1309_1309	1309	1309	-64.961	11.687	-0.088	-0.757	-2.749	-944.843	1
1309_1310	1309	1310	92.185	45.874	0.083	1.85	6.373	1374.006	1

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1310_1310	1310	1310	-39.602	7.169	0.072	0.058	-2.367	-575.752	1
1310_1311	1310	1311	71.509	49.128	-0.228	0.535	3.311	1078.758	1
1311_1311	1311	1311	6.196	6.084	-0.09	0.352	4.572	120.336	1
1311_1312	1311	1312	44.571	54.876	-0.194	1.69	0.675	693.838	1
1312_1312	1312	1312	1.935	5.844	-0.181	0.389	3.256	62.177	1
1312_1313	1312	1313	-6.356	60.458	-0.042	0.95	0	-26.079	1
1400_1020	1400	1020	41.463	2.188	-2.742	-0.127	42.345	198.555	1
1400_1401	1400	1401	-51.044	21.291	-14.322	-0.895	45.085	584.359	1
1401_1401	1401	1401	39.491	2.324	-2.027	0.629	29.286	184.967	1
1401_1402	1401	1402	-50.546	20.434	-3.585	0.992	32.103	513.179	1
1402_1402	1402	1402	50.473	3.425	-2.706	-0.076	29.151	200.265	1
1402_1403	1402	1403	-51.019	19.208	-3.623	-0.212	-7.565	303.47	1
1403_1403	1403	1403	58.377	5.161	-0.067	0.136	-0.637	171.729	1
1403_1404	1403	1404	-48.136	17.117	0.444	0.121	-3.345	175.124	1
1404_1404	1404	1404	63.791	6.594	-0.08	0.262	-1.422	140.992	1
1404_1405	1404	1405	-48.519	15.992	0.469	0.304	0.081	59.76	1
1405_1405	1405	1405	73.321	9.14	0.178	0.233	-1.951	98.512	1
1405_1406	1405	1406	-47.284	13.981	0.043	0.238	1.035	-143.604	1
1406_1406	1406	1406	79.821	11.937	1.141	0.309	0.77	-30.527	1
1406_1407	1406	1407	-46.022	12.176	0.065	0.214	1.704	-257.119	1
1407_1407	1407	1407	81.103	13.615	1.075	0.016	10.665	-133.54	1
1407_1408	1407	1408	-46.267	11.209	0.087	0.043	2.129	-319.413	1
1408_1408	1408	1408	-22.767	0.195	1.303	-0.955	-13.019	74.9	1
1408_1409	1408	1409	-44.457	20.644	-1.01	0.155	0.305	-360.827	1
1409_1409	1409	1409	46.833	20.66	-1.078	0.223	-1.472	352.564	1
1409_1410	1409	1410	27.706	0.382	-0.631	-1.267	10.458	-92.953	1
1410_1410	1410	1410	46.536	10.997	0.14	-0.158	-2.206	320.218	1
1410_1411	1410	1411	-91.34	14.157	-0.451	-0.193	3.727	133.538	1
1411_1411	1411	1411	46.671	11.971	0.082	0.322	-1.772	257.205	1
1411_1412	1411	1412	-89.312	12.268	-0.245	-0.034	1.023	26.885	1
1412_1412	1412	1412	47.389	13.79	0.048	0.221	-0.832	148.646	1
1412_1413	1412	1413	-92.087	9.207	-0.022	-0.092	-0.179	-104.065	1
1413_1413	1413	1413	49.679	15.819	0.326	0.189	0.232	-55.736	1
1413_1414	1413	1414	-91.694	6.294	0.344	-0.165	1.637	-145.444	1
1414_1414	1414	1414	49.968	16.986	0.359	0.245	2.602	-171.467	1
1414_1415	1414	1415	-84.527	4.217	0.298	-0.098	3.984	-169.229	1
1415_1415	1415	1415	53.432	19.047	-3.843	1.163	6.248	-297.143	1
1415_1416	1415	1416	-71.149	1.844	2.14	0.428	27.17	-167.245	1
1416_1416	1416	1416	52.929	20.305	-4.344	-3.323	-34.278	-505.343	1
1416_1417	1416	1417	-33.125	0.542	-2.403	-0.191	-37.214	-101.616	1
1417_1417	1417	1417	53.46	21.059	-14.29	-1.016	-50.215	-575.55	1
1417_1036	1417	1036	-32.313	0.43	-2.783	-0.197	-48.166	-101.058	1
1420_1056	1420	1056	32.5	1.109	-1.855	-0.083	30.189	132.302	1
1420_1421	1420	1421	-55.371	20.091	-13.951	-0.743	30.215	528.384	1
1421_1421	1421	1421	32.437	1.223	-1.609	0.345	22.165	127.761	1
1421_1422	1421	1422	-54.675	19.185	-2.55	0.284	20.736	462.184	1
1422_1422	1422	1422	41.62	2.11	-2.153	0.002	21.534	143.322	1
1422_1423	1422	1423	-55.112	17.882	-2.528	-0.002	-6.816	266.864	1
1423_1423	1423	1423	52.939	3.647	0.151	0.094	-2.713	134.914	1
1423_1424	1423	1424	-51.434	15.703	0.433	0.083	-2.645	151.461	1
1424_1424	1424	1424	57.606	4.897	0.122	0.259	-1.826	113.958	1
1424_1425	1424	1425	-51.219	14.528	0.472	0.293	0.878	45.306	1
1425_1425	1425	1425	84.94	7.536	0.007	-0.095	-0.313	90.806	1
1425_1426	1425	1426	-49.307	12.418	-0.059	0.199	0.328	-138.168	1
1426_1426	1426	1426	82.156	10.338	0.148	-0.025	-1.065	-15.955	1
1426_1427	1426	1427	-48.774	10.523	0.085	0.301	1.317	-233.374	1
1427_1427	1427	1427	84.168	12.089	-0.074	-0.232	-0.289	-105.545	1
1427_1428	1427	1428	-48.983	9.502	0.171	-0.176	2.066	-286.172	1
1428_1428	1428	1428	-24.511	0.636	-0.87	-1.525	-10.263	74.757	1
1428_1429	1428	1429	-46.479	19.535	-0.745	0.209	0.914	-334.833	1
1429_1429	1429	1429	46.767	19.542	-0.84	0.254	-1.63	334.502	1
1429_1430	1429	1430	23.135	0.813	-0.165	-1.356	11.001	-67.336	1
1430_1430	1430	1430	49.274	9.447	0.204	-0.104	-3.075	285.806	1
1430_1431	1430	1431	-84.258	11.778	-0.3	-0.166	2.352	100.714	1
1431_1431	1431	1431	49.067	10.47	0.14	0.271	-2.09	233.316	1
1431_1432	1431	1432	-82.012	10.041	-0.116	-0.062	0.749	14.023	1
1432_1432	1432	1432	49.731	12.358	-0.046	0.198	-0.511	138.608	1
1432_1433	1432	1433	-66.231	7.448	-0.052	0.211	0.998	-83.593	1
1433_1433	1433	1433	51.833	14.469	0.486	0.347	-0.848	-43.973	1

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1433_1434	1433	1434	-57.115	5.151	0.095	0.305	1.8	-115.976	1
1434_1434	1434	1434	52.065	15.681	0.411	0.023	2.814	-149.683	1
1434_1435	1434	1435	-52.991	3.887	0.168	0.054	2.863	-139.252	1
1435_1435	1435	1435	55.84	17.891	-2.521	0.133	6.828	-265.104	1
1435_1436	1435	1436	-43.034	2.371	-2.396	0.041	-23.928	-153.067	1
1436_1436	1436	1436	55.401	19.196	-2.609	-0.191	-20.488	-460.59	1
1436_1437	1436	1437	-33.246	1.48	-1.743	0.24	-24.375	-137.615	1
1437_1437	1437	1437	55.885	20.219	-13.904	-0.725	-30.517	-526.763	1
1437_1072	1437	1072	-32.597	1.374	-2.001	-0.087	-32.537	-141.441	1
1440_1094	1440	1094	27.299	1.281	-1.861	-0.075	21.78	125.012	1
1440_1441	1440	1441	-56.481	19.734	-13.468	-0.832	21.286	511.789	1
1441_1441	1441	1441	27.25	1.387	-1.051	0.284	13.908	119.762	1
1441_1442	1441	1442	-56.471	18.818	-1.923	0.359	14.838	446.119	1
1442_1442	1442	1442	36.555	2.169	-1.529	0.038	14.589	135.422	1
1442_1443	1442	1443	-56.165	17.471	-1.883	-0.004	-6.084	255.663	1
1443_1443	1443	1443	46.832	3.584	0.147	0.178	-2.602	124.351	1
1443_1444	1443	1444	-52.067	15.239	0.405	0.216	-1.991	143.643	1
1444_1444	1444	1444	81.878	4.76	-0.047	-0.177	0.673	118.642	1
1444_1445	1444	1445	-52.397	14.047	0.398	0.241	0.88	42.312	1
1445_1445	1445	1445	84.798	7.418	0.034	-0.119	-0.533	89.955	1
1445_1446	1445	1446	-50.008	11.916	-0.063	0.234	0.278	-134.603	1
1446_1446	1446	1446	84.324	10.289	0.074	-0.069	-0.887	-13.771	1
1446_1447	1446	1447	-49.289	9.998	-0.04	0.277	0.245	-225.424	1
1447_1447	1447	1447	85.477	12.031	-0.084	-0.217	-0.51	-103.442	1
1447_1448	1447	1448	-49.184	8.986	0.019	-0.066	0.129	-276.847	1
1448_1448	1448	1448	-25.234	0.811	-0.141	-1.904	-10.18	75.546	1
1448_1449	1448	1449	-49.29	19.149	-0.868	-0.156	-1.171	-311.015	1
1449_1449	1449	1449	46.52	19.065	-0.701	0.076	-0.19	323.624	1
1449_1450	1449	1450	25.099	0.672	1.45	-1.921	14.836	-75.138	1
1450_1450	1450	1450	48.983	9.04	0.028	0.183	-1.146	275.572	1
1450_1451	1450	1451	-75.234	11.515	1.469	0.103	-11.181	105.261	1
1451_1451	1451	1451	48.787	10.045	0.042	0.134	-0.955	225.313	1
1451_1452	1451	1452	-73.954	9.974	1.453	0.297	1.63	19.151	1
1452_1452	1452	1452	49.391	11.936	-0.061	0.235	-0.303	134.015	1
1452_1453	1452	1453	-66.716	7.36	-0.083	0.25	0.471	-83.298	1
1453_1453	1453	1453	51.532	14.06	0.403	0.256	-0.861	-43.385	1
1453_1454	1453	1454	-56.826	5.032	0.183	0.242	1.902	-113.947	1
1454_1454	1454	1454	51.213	15.187	0.399	0.199	2.053	-144.816	1
1454_1455	1454	1455	-52.093	3.813	0.159	0.18	2.819	-135.541	1
1455_1455	1455	1455	55.026	17.456	-1.835	0.087	6.08	-256.498	1
1455_1456	1455	1456	-41.849	2.174	-1.768	0.067	-16.992	-146.415	1
1456_1456	1456	1456	54.6	18.743	-1.879	0.021	-13.894	-447.532	1
1456_1457	1456	1457	-32.682	1.298	-1.32	0.259	-17.792	-131.006	1
1457_1457	1457	1457	55.186	19.736	-13.42	-0.813	-20.912	-512.438	1
1457_1110	1457	1110	-32.755	1.187	-1.76	-0.086	-25.489	-135.859	1
1460_1132	1460	1132	22.202	3.319	-1.557	-0.099	20.698	152.396	1
1460_1461	1460	1461	-65.107	22.005	-12.657	-0.861	21.836	546.87	1
1461_1461	1461	1461	22.136	3.367	-1.108	0.369	13.959	138.808	1
1461_1462	1461	1462	-63.852	20.92	-1.747	0.721	15.364	476.332	1
1462_1462	1462	1462	26.188	3.939	-1.311	0.01	12.027	133.932	1
1462_1463	1462	1463	-59.266	19.412	-1.65	-0.093	-4.158	270.054	1
1463_1463	1463	1463	31.478	4.745	0.17	0.204	-3.168	95.906	1
1463_1464	1463	1464	-58.078	16.599	0.482	0.41	-1.497	151.022	1
1464_1464	1464	1464	33.778	5.497	0.291	0.076	-2.172	63.98	1
1464_1465	1464	1465	-54.088	15.305	0.314	-0.007	0.718	39.831	1
1465_1465	1465	1465	105.989	7.291	-0.019	-0.058	-0.441	138.254	1
1465_1466	1465	1466	-52.77	12.99	-0.025	0.246	0.704	-148.061	1
1466_1466	1466	1466	107.965	11.027	0.659	-0.052	-1.603	37.855	1
1466_1467	1466	1467	-49.084	11.022	-0.005	-0.016	0.824	-249.157	1
1467_1467	1467	1467	110.496	13.268	0.883	-0.033	4.276	-56.575	1
1467_1468	1467	1468	-48.557	10.025	-0.07	0.431	0.772	-305.61	1
1468_1468	1468	1468	-34.953	2.453	0.026	-0.679	-5.165	57.465	1
1468_1469	1468	1469	-62.985	21.04	-1.41	0.431	-7.847	-316.772	1
1469_1469	1469	1469	54.87	20.878	-1.239	0.553	6.161	340.712	1
1469_1470	1469	1470	27.799	2.349	-0.364	-0.445	3.378	-32.328	1
1470_1470	1470	1470	48.448	10.321	-0.073	0.309	-0.068	306.662	1
1470_1471	1470	1471	-59.424	12.288	-0.241	0.291	2.343	171.731	1
1471_1471	1471	1471	48.226	11.316	-0.028	0.06	-0.357	249.292	1
1471_1472	1471	1472	-58.811	11.076	-0.293	0.063	-0.287	75.046	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1472_1472	1472	1472	50.913	13.31	-0.067	0.249	-0.398	146.051	1
1472_1473	1472	1473	-54.103	8.919	0.044	0.19	0.34	-50.565	1
1473_1473	1473	1473	54.857	15.506	0.442	0.274	-1.076	-47.999	1
1473_1474	1473	1474	-49.259	7.007	0.176	0.205	1.524	-98.762	1
1474_1474	1474	1474	54.493	16.753	0.437	0.208	2.127	-159.835	1
1474_1475	1474	1475	-45.461	5.919	0.156	0.152	2.468	-137.598	1
1475_1475	1475	1475	59.527	19.108	-1.848	-0.079	6.162	-277.524	1
1475_1476	1475	1476	-40.306	4.502	-1.433	0.007	-13.558	-180.83	1
1476_1476	1476	1476	60.316	20.542	-1.843	0.611	-14.4	-484.511	1
1476_1477	1476	1477	-35.87	3.578	-1.272	0.417	-16.383	-184.859	1
1477_1477	1477	1477	61.471	21.504	-14.481	-0.869	-20.865	-554.353	1
1477_1148	1477	1148	-35.954	3.463	-1.481	-0.102	-22.951	-199.05	1
1480_1168	1480	1168	30.541	2.618	-1.551	-0.116	20.48	158.136	1
1480_1481	1480	1481	-62.235	21.646	-15.164	-0.989	19.285	556.795	1
1481_1481	1481	1481	30.464	2.736	-1.15	0.589	13.954	147.393	1
1481_1482	1481	1482	-61.41	20.654	-1.709	1.463	13.931	486.996	1
1482_1482	1482	1482	33.704	3.498	-1.182	-0.074	10.923	143.53	1
1482_1483	1482	1483	-57.355	19.225	-1.751	-0.373	-6.723	281.986	1
1483_1483	1483	1483	40.077	4.678	0.134	0.134	-2.367	111.868	1
1483_1484	1483	1484	-55.132	16.867	0.489	0.209	-2.51	160.82	1
1484_1484	1484	1484	42.517	5.636	0.156	0.163	-1.527	80.559	1
1484_1485	1484	1485	-51.736	15.619	0.454	0.229	0.93	46.203	1
1485_1485	1485	1485	48.449	7.364	0.084	0.162	-0.418	43.026	1
1485_1486	1485	1486	-50.242	13.434	-0.046	0.242	0.58	-148.338	1
1486_1486	1486	1486	52.147	9.311	-0.362	0.005	0.831	-61.521	1
1486_1487	1486	1487	-47.83	11.492	0.029	-0.012	1.008	-252.904	1
1487_1487	1487	1487	95.998	11.213	0.798	-0.022	3.769	-41.81	1
1487_1488	1487	1488	-47.257	10.52	-0.029	0.438	1.215	-312.425	1
1488_1488	1488	1488	-30.71	2.262	-0.682	-0.56	-5.061	43.46	1
1488_1489	1488	1489	-54.533	20.802	-1.552	0.661	-6.881	-339.721	1
1489_1489	1489	1489	56.546	21.076	-1.592	0.619	7.703	341.234	1
1489_1490	1489	1490	31.046	2.366	-0.153	-0.71	5.591	-47.329	1
1490_1490	1490	1490	48.285	10.479	-0.037	0.3	-0.424	313.55	1
1490_1491	1490	1491	-99.029	11.287	0.772	-0.057	-4.255	41.015	1
1491_1491	1491	1491	48.059	11.47	0.008	0.048	-0.508	255.305	1
1491_1492	1491	1492	-98.638	9.248	0.665	-0.011	1.645	-40.28	1
1492_1492	1492	1492	51.59	13.447	-0.07	0.239	-0.317	150.023	1
1492_1493	1492	1493	-43.705	7.349	0.073	0.151	0.272	-35.049	1
1493_1493	1493	1493	53.153	15.685	0.424	0.253	-1.03	-44.645	1
1493_1494	1493	1494	-37.612	5.792	0.131	0.161	1.218	-73.232	1
1494_1494	1494	1494	56.799	16.974	0.445	0.195	2.205	-159.508	1
1494_1495	1494	1495	-35.218	4.94	0.12	0.117	1.958	-106.215	1
1495_1495	1495	1495	59.203	19.343	-1.743	0.024	5.988	-281.423	1
1495_1496	1495	1496	-29.305	3.891	-0.977	0.045	-9.075	-142.904	1
1496_1496	1496	1496	63.463	20.838	-1.882	0.267	-14.105	-487.773	1
1496_1497	1496	1497	-25.047	3.25	-0.781	0.194	-10.131	-146.518	1
1497_1497	1497	1497	64.883	21.748	-15.069	-0.939	-20.707	-558.222	1
1497_1184	1497	1184	-25.075	3.156	-1.686	-0.081	-17.227	-159.447	1
1500_1204	1500	1204	29.215	0.989	-1.989	-0.122	24.141	118.914	1
1500_1501	1500	1501	-55.731	21.806	-13.772	-1.306	29.882	585.133	1
1501_1501	1501	1501	29.171	1.086	-1.113	0.256	15.864	114.879	1
1501_1502	1501	1502	-56.077	20.821	-2.629	0.185	20.712	512.545	1
1502_1502	1502	1502	39.03	1.933	-1.578	0.049	16.119	133.073	1
1502_1503	1502	1503	-56.564	19.455	-2.594	0.034	-7.496	300.234	1
1503_1503	1503	1503	51.01	3.401	0.005	0.187	-1.585	126.245	1
1503_1504	1503	1504	-52.435	17.312	0.478	0.265	-3.176	172.319	1
1504_1504	1504	1504	56.771	4.674	0.04	0.23	-1.872	108.747	1
1504_1505	1504	1505	-52.243	16.091	0.465	0.308	0.234	54.622	1
1505_1505	1505	1505	83.39	7.279	0.034	-0.099	-0.274	91.387	1
1505_1506	1505	1506	-49.967	14.015	0.02	0.315	0.816	-152.931	1
1506_1506	1506	1506	82.879	10.106	-0.294	-0.075	-0.599	-9.992	1
1506_1507	1506	1507	-49.218	12.118	0.158	0.328	2.469	-262.582	1
1507_1507	1507	1507	82.653	11.808	-0.385	-0.111	-3.254	-99.485	1
1507_1508	1507	1508	-49.456	11.104	0.203	0.006	3.48	-324.301	1
1508_1508	1508	1508	-28.348	1.028	1.883	-2.1	-17.671	77.807	1
1508_1509	1508	1509	-46.308	21.183	-1.035	0.43	1.662	-376.587	1
1509_1509	1509	1509	49.157	21.331	-1.29	0.448	-1.746	364.004	1
1509_1510	1509	1510	28.443	1.105	-0.801	-2.224	10.035	-78.168	1
1510_1510	1510	1510	49.962	11.112	0.247	-0.144	-3.188	324.964	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1510_1511	1510	1511	-89.561	12.069	-0.426	-0.168	3.209	94.772	1
1511_1511	1511	1511	49.724	12.136	0.162	0.395	-2.038	263.199	1
1511_1512	1511	1512	-86.932	10.267	-0.186	-0.04	0.914	6.847	1
1512_1512	1512	1512	50.542	14.047	-0.024	0.309	-0.319	153.495	1
1512_1513	1512	1513	-89.394	7.282	-0.016	-0.093	-0.074	-95.553	1
1513_1513	1513	1513	53.687	16.162	0.437	0.342	-0.386	-55.905	1
1513_1514	1513	1514	-54.382	4.785	0.059	0.247	1.635	-107.883	1
1514_1514	1514	1514	53.3	17.405	0.43	0.253	2.782	-172.477	1
1514_1515	1514	1515	-49.436	3.586	0.042	0.18	1.679	-127.676	1
1515_1515	1515	1515	58.015	19.554	-2.562	-0.115	6.805	-301.111	1
1515_1516	1515	1516	-37.754	2.161	-1.362	0.029	-13.634	-138.343	1
1516_1516	1516	1516	57.529	20.955	-2.526	0.753	-21.247	-514.497	1
1516_1517	1516	1517	-29.224	1.355	-0.958	0.346	-13.059	-124.317	1
1517_1517	1517	1517	58.563	21.752	-13.83	-1.269	-30.463	-587.159	1
1517_1220	1517	1220	-29.198	1.242	-2.849	-0.114	-24.754	-129.414	1
1520_1241	1520	1241	37.824	1.767	-1.842	-1.786	14.022	160.417	1
1520_1521	1520	1521	-68.986	24.466	-4.185	-4.315	8.173	636.51	1
1521_1521	1521	1521	34.743	1.687	-0.272	-0.23	6.032	146.985	1
1521_1522	1521	1522	-66.542	23.157	-0.901	-1.626	3.895	557.588	1
1522_1522	1522	1522	44.866	2.627	-0.557	0.211	6.788	163.31	1
1522_1523	1522	1523	-67.075	21.574	-0.674	0.362	-2.892	322.087	1
1523_1523	1523	1523	56.033	4.158	-0.193	0.147	1.222	147.139	1
1523_1524	1523	1524	-64.953	19.082	0.212	0.15	-0.854	180.814	1
1524_1524	1524	1524	59.749	5.511	-0.305	0.379	-0.138	122.14	1
1524_1525	1524	1525	-65.378	17.569	0.317	0.492	1.553	54.09	1
1525_1525	1525	1525	85.566	8.289	0.049	-0.159	-2.215	94.57	1
1525_1526	1525	1526	-62.712	15.11	0.259	0.416	5.726	-170.287	1
1526_1526	1526	1526	86.844	11.412	-2.542	-0.176	-3.006	-20.877	1
1526_1527	1526	1527	-61.569	12.776	0.303	0.6	8.478	-284.868	1
1527_1527	1527	1527	86.583	13.212	-2.719	0.122	-25.639	-121.976	1
1527_1528	1527	1528	-61.821	11.494	0.411	-0.12	10.524	-348.767	1
1528_1528	1528	1528	-28.34	0.564	2.991	-3.466	-35.713	82.283	1
1528_1529	1528	1529	-57.564	24.073	-2.145	1.554	10.505	-402.651	1
1529_1529	1529	1529	60.659	24.287	-0.83	-1.047	8.459	404.265	1
1529_1530	1529	1530	28.571	0.807	-0.984	-3.544	23.919	-82.1	1
1530_1530	1530	1530	62.204	11.598	0.099	-0.03	1.955	352.006	1
1530_1531	1530	1531	-95.573	13.042	2.126	-0.62	-20.713	103.116	1
1531_1531	1531	1531	62.661	12.877	-0.035	0.305	2.79	284.455	1
1531_1532	1531	1532	-93.219	11.123	2.27	-0.052	-0.885	7.192	1
1532_1532	1532	1532	63.486	15.225	-0.448	0.358	2.409	170.127	1
1532_1533	1532	1533	-64.712	8.493	-0.305	0.37	-3.687	-93.314	1
1533_1533	1533	1533	66.871	17.76	-0.41	0.425	-4.369	-56.775	1
1533_1534	1533	1534	-57.544	6.243	-0.333	0.359	-5.788	-135.319	1
1534_1534	1534	1534	68.434	19.314	-0.471	0.465	-7.632	-188.158	1
1534_1535	1534	1535	-52.24	4.951	-0.27	0.35	-7.299	-163.504	1
1535_1535	1535	1535	68.844	21.772	-1.202	0.359	-10.517	-327.334	1
1535_1536	1535	1536	-46.075	3.389	-0.577	0.252	-13.085	-195.348	1
1536_1536	1536	1536	72.19	23.499	-1.4	-0.112	-24.681	-565.222	1
1536_1537	1536	1537	-37.913	2.378	-0.267	0.118	-10.417	-184.573	1
1537_1537	1537	1537	72.374	24.348	-2.758	-3.192	-29.641	-647.893	1
1537_1255	1537	1255	-38.138	2.334	-2.042	-1.523	-19.137	-195.912	1
1540_1279	1540	1279	52.202	1.54	2.474	1.736	0.701	192.116	1
1540_1541	1540	1541	-64.676	24.381	-5.609	-5.062	-9.667	645.723	1
1541_1541	1541	1541	61.438	2.111	-0.912	-0.428	12.144	203.518	1
1541_1542	1541	1542	-67.067	23.027	-0.162	-1.413	-9.836	566.641	1
1542_1542	1542	1542	73.652	3.752	-1.256	-0.295	11.472	217.953	1
1542_1543	1542	1543	-64.997	21.412	-0.104	-0.005	-9.278	326.55	1
1543_1543	1543	1543	75.197	5.598	0.307	-0.552	-2.938	185.612	1
1543_1544	1543	1544	-64.675	19.107	0.485	-0.183	-5.22	188.519	1
1544_1544	1544	1544	82.153	7.461	-0.044	0.036	-0.372	150.623	1
1544_1545	1544	1545	-65.104	17.582	0.726	0.712	0.283	61.798	1
1545_1545	1545	1545	82.737	10.1	-0.443	-0.122	-1.656	99.046	1
1545_1546	1545	1546	-62.884	15.229	0.523	0.484	8.561	-166.964	1
1546_1546	1546	1546	82.725	13.607	-4.987	-0.19	-9.661	-45.038	1
1546_1547	1546	1547	-62.053	12.962	0.209	0.687	10.526	-281.362	1
1547_1547	1547	1547	85.332	15.269	-5.237	0.648	-55.31	-162.941	1
1547_1548	1547	1548	-62.3	11.712	0.295	0.052	11.983	-346.535	1
1548_1548	1548	1548	26.694	0.729	3.194	-3.379	-35.529	-132.156	1
1548_1549	1548	1549	-56.569	24.493	-2.156	2.302	11.732	-410.048	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1549_1549	1549	1549	68.233	25.706	-0.448	-3.978	26.464	396.921	1
1549_1550	1549	1550	-39.722	1.746	-1.612	-5.982	33.92	185.803	1
1550_1550	1550	1550	65.913	11.186	-0.351	0.018	12.936	353.831	1
1550_1551	1550	1551	-68.267	15.042	-3.698	0.817	38.397	153.187	1
1551_1551	1551	1551	65.637	12.705	-0.431	0.151	10.771	290.529	1
1551_1552	1551	1552	-66.836	13.493	-3.534	0.124	8.057	43.593	1
1552_1552	1552	1552	69.209	15.473	-0.879	0.42	7.025	175.632	1
1552_1553	1552	1553	-60.772	11.133	-1.205	0.475	-8.815	-108.934	1
1553_1553	1553	1553	73.408	18.362	-0.727	0.576	-6.142	-48.861	1
1553_1554	1553	1554	-54.425	8.882	-0.482	0.502	-11.829	-167.542	1
1554_1554	1554	1554	72.911	20.243	-0.806	0.652	-11.175	-178.22	1
1554_1555	1554	1555	-52.023	7.513	-0.406	0.583	-14.252	-216.166	1
1555_1555	1555	1555	76.213	23.183	-0.992	0.67	-17.26	-322.504	1
1555_1556	1555	1556	-44.566	5.794	0.067	0.506	-12.624	-267.988	1
1556_1556	1556	1556	78.402	25.36	-1.185	0.154	-28.195	-568.058	1
1556_1557	1556	1557	-39.74	4.605	0.309	0.166	-8.825	-269.854	1
1557_1557	1557	1557	80.352	26.41	-2.14	-2.194	-32.832	-652.939	1
1557_1291	1557	1291	-39.169	4.205	-1.345	-0.504	-16.493	-293.69	1
41000_1000	41000	1000	1.875	60.554	-0.843	5.663	0	13.192	1
41000_1001	41000	1001	0.998	5.541	-1.188	1.821	-20.204	-86.243	1
41001_1001	41001	1001	2.236	54.458	-0.941	8.833	-16.083	-910.459	1
41001_1002	41001	1002	1	5.541	-1.186	1.99	-33.077	-146.381	1
41002_1002	41002	1002	2.609	50.489	0.571	5.825	-27.55	-1324.3	1
41002_1003	41002	1003	-0.765	7.087	-0.281	-1.109	7.817	704.627	1
41003_1003	41003	1003	2.862	44.569	0.624	8.225	-20.214	-1707.33	1
41003_1004	41003	1004	-1.348	12.785	-0.381	-3.146	8.432	1119.961	1
41004_1004	41004	1004	3.034	42.885	0.308	4.414	-9.951	-1975.462	1
41004_1005	41004	1005	-1.865	16.401	-0.417	-0.836	6.722	1529.409	1
41005_1005	41005	1005	3.152	37.57	0.282	7.066	-3.299	-2185.518	1
41005_1006	41005	1006	-2.278	22.458	-0.41	-3.246	3.371	1835.828	1
41006_1006	41006	1006	3.215	37.155	0.156	2.602	4.208	-2303.421	1
41006_1007	41006	1007	-2.604	24.073	-0.41	0.672	-0.512	2073.461	1
41007_1007	41007	1007	3.235	32.193	0.097	5.422	9.827	-2389.42	1
41007_1008	41007	1008	-2.854	29.539	-0.363	-1.969	-4.863	2209.781	1
41008_1008	41008	1008	3.218	32.173	0.179	1.026	15.306	-2397.634	1
41008_1009	41008	1009	-3.033	30.121	-0.465	2.352	-10.319	2304.812	1
41009_1009	41009	1009	3.163	27.435	0.108	3.638	21.151	-2386.506	1
41009_1010	41009	1010	-3.151	35.274	-0.408	-0.184	-15.865	2312.793	1
41010_1010	41010	1010	3.077	27.373	0.247	-1.678	26.42	-2307.882	1
41010_1011	41010	1011	-3.216	35.611	-0.573	5.139	-23.004	2292.259	1
41011_1011	41011	1011	2.959	22.819	0.166	3.325	32.298	-2217.583	1
41011_1012	41011	1012	-3.236	40.588	-0.512	0.057	-29.936	2194.362	1
41012_1012	41012	1012	2.812	22.164	0.282	0.474	37.276	-2064.206	1
41012_1013	41012	1013	-3.217	41.271	-0.707	3.598	-38.494	2070.409	1
41013_1013	41013	1013	2.623	17.879	0.147	-0.435	41.457	-1909.233	1
41013_1014	41013	1014	-3.164	46.158	-0.625	4.598	-46.273	1875.997	1
41014_1014	41014	1014	2.311	14.802	-0.206	-0.27	43.108	-1565.024	1
41014_1015	41014	1015	-3.077	48.031	-0.023	4.739	-45.461	1429.44	1
41015_1015	41015	1015	2.028	12.267	-0.216	-2.06	38.907	-1529.188	1
41015_1016	41015	1016	-3.397	54.634	0.087	6.184	-42.33	1441.374	1
41016_1016	41016	1016	1.61	10.475	-1.137	-0.588	36.49	-1246.686	1
41016_1017	41016	1017	-4.269	55.659	1.574	4.636	-22.372	1034.147	1
41017_1017	41017	1017	1.213	6.902	-0.825	-1.934	25.337	-951.88	1
41017_1018	41017	1018	-5.681	59.936	1.597	6.396	0.491	593.654	1
41018_1018	41018	1018	0.961	3.771	0.9	-0.555	20.066	-667.128	1
41018_1019	41018	1019	-7.184	63.329	-3.492	4.713	-43.821	205.85	1
41019_1019	41019	1019	-0.118	2.031	0.194	-1.484	28.181	-524.253	1
41019_1020	41019	1020	-9.054	67.606	-2.98	5.714	-78.168	-233.658	1
41020_1020	41020	1020	-47.395	55.355	-4.551	2.528	131.615	0.237	1
41020_1021	41020	1021	79.678	11.505	5.996	1.092	-138.126	624.438	1
41021_1021	41021	1021	-43.47	51.687	-4.044	3.486	76.425	-270.006	1
41021_1022	41021	1022	72.891	13.94	5.799	-0.297	-86.06	731.024	1
41022_1022	41022	1022	-40.377	47.842	-3.485	3.203	36.119	-417.144	1
41022_1023	41022	1023	67.291	16.311	5.557	0.118	-37.021	779.856	1
41023_1023	41023	1023	-38.131	44.583	-0.28	2.188	3.938	-539.353	1
41023_1024	41023	1024	61.445	18.476	1.015	1.263	-23.988	817.076	1
41024_1024	41024	1024	-36.736	40.451	-0.135	2.735	-2.26	-652.131	1
41024_1025	41024	1025	55.706	21.34	0.897	0.669	-12.892	842.989	1
41025_1025	41025	1025	-36.232	36.388	0.064	2.131	-6.142	-735.49	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41025_1026	41025	1026	50.328	24.532	0.716	1.29	-4.102	851.258	1
41026_1026	41026	1026	-36.43	35.388	0.071	2.29	-6.63	-845.836	1
41026_1027	41026	1027	45.781	26.297	0.346	0.816	0.018	909.594	1
41027_1027	41027	1027	-37.092	32.376	0.191	0.858	-6.796	-877.354	1
41027_1028	41027	1028	42.889	28.97	0.206	2.276	2.208	904.819	1
41028_1028	41028	1028	-38.236	29.484	0.238	1.5	-5.897	-893.19	1
41028_1029	41028	1029	40.575	31.846	0.16	1.694	3.829	889.703	1
41029_1029	41029	1029	-39.94	26.782	0.304	1.693	-4.381	-897.414	1
41029_1030	41029	1030	38.76	34.837	0.099	1.452	4.743	858.003	1
41030_1030	41030	1030	-42.868	25.024	0.682	0.454	-1.736	-837.17	1
41030_1031	41030	1031	37.416	35.936	0.015	2.796	4.732	749.092	1
41031_1031	41031	1031	-46.579	21.79	0.807	0.925	5.689	-827.127	1
41031_1032	41031	1032	36.398	39.964	-0.13	2.5	2.231	665.539	1
41032_1032	41032	1032	-50.663	18.875	0.923	1.575	15.096	-798.676	1
41032_1033	41032	1033	36.272	44.081	-0.256	1.842	-2.292	553.528	1
41033_1033	41033	1033	-54.912	16.562	5.563	2.013	26.445	-757.221	1
41033_1034	41033	1034	36.98	47.374	-3.451	3.139	-32.564	430.84	1
41034_1034	41034	1034	-59.052	14.122	5.762	1.871	74.408	-701.893	1
41034_1035	41034	1035	38.562	51.25	-4.06	2.812	-71.728	282.578	1
41035_1035	41035	1035	-64.091	11.626	6.358	-2.262	124.027	-588.368	1
41035_1036	41035	1036	40.902	54.954	-4.962	5.555	-130.008	12.122	1
41036_1036	41036	1036	36.525	64.484	-2.429	4.995	61.739	358.829	1
41036_1037	41036	1037	7.468	7.09	0.376	0.963	-0.126	384.923	1
41037_1037	41037	1037	37.49	60.623	-2.9	4.781	33.57	3.466	1
41037_1038	41037	1038	7.929	7.3	0.366	1.259	5.224	296.563	1
41038_1038	41038	1038	38.098	57.43	1.452	5.779	-2.87	-300.709	1
41038_1039	41038	1039	-21.954	8.315	-0.864	-1.395	-22.284	817.939	1
41039_1039	41039	1039	37.844	53.706	1.328	5.3	17.251	-661.275	1
41039_1040	41039	1040	-26.395	11.549	-1.131	-1.059	-33.444	1052.46	1
41040_1040	41040	1040	37.363	52.726	0.565	5.163	33.26	-1017.527	1
41040_1041	41040	1041	-29.959	13.384	-0.261	-1.161	-35.71	1278.76	1
41041_1041	41041	1041	36.842	46.218	0.529	5.536	39.07	-948.054	1
41041_1042	41041	1042	-32.127	15.763	-0.328	-1.062	-41.772	1256.441	1
41042_1042	41042	1042	36.166	44.02	0.098	4.758	47.895	-1335.506	1
41042_1043	41042	1043	-35.126	18.92	-0.048	-0.328	-45.173	1499.877	1
41043_1043	41043	1043	35.108	38.865	0.073	4.243	48.884	-1496.239	1
41043_1044	41043	1044	-36.44	23.338	-0.026	0.191	-47.272	1582.97	1
41044_1044	41044	1044	33.76	37.104	-0.001	3.444	49.441	-1594.364	1
41044_1045	41044	1045	-36.917	24.92	0.068	1.023	-47.623	1658.229	1
41045_1045	41045	1045	32.192	32.015	-0.01	2.79	48.886	-1666.767	1
41045_1046	41045	1046	-36.818	29.744	0.092	1.678	-47.61	1675.715	1
41046_1046	41046	1046	30.416	30.438	0.082	1.761	48.281	-1677.387	1
41046_1047	41046	1047	-36.188	31.27	-0.006	2.694	-48.42	1674.101	1
41047_1047	41047	1047	28.428	25.565	0.069	1.22	48.419	-1668.028	1
41047_1048	41047	1048	-35.146	36.355	0.005	3.243	-49.131	1611.988	1
41048_1048	41048	1048	26.233	23.994	0.005	1.112	48.386	-1599.279	1
41048_1049	41048	1049	-33.817	37.987	0.014	3.466	-49.508	1524.878	1
41049_1049	41049	1049	23.727	19.506	-0.036	-0.752	46.766	-1522.823	1
41049_1050	41049	1050	-32.262	43.172	0.064	5.326	-49.198	1375.069	1
41050_1050	41050	1050	19.929	16.325	-0.271	-0.354	43.455	-1284.788	1
41050_1051	41050	1051	-30.498	45.29	0.446	5.061	-41.919	1001.796	1
41051_1051	41051	1051	17.746	13.778	-0.235	-2.106	38.118	-1307.392	1
41051_1052	41051	1052	-28.218	52	0.51	6.204	-36.783	1063.951	1
41052_1052	41052	1052	14.515	11.838	-1.164	-0.788	35.553	-1084.296	1
41052_1053	41052	1053	-27.529	53.057	1.516	5.11	-18.623	711.124	1
41053_1053	41053	1053	10.948	8.279	-0.863	-1.805	23.823	-854.245	1
41053_1054	41053	1054	-26.655	57.15	1.602	6.409	3.328	352.644	1
41054_1054	41054	1054	-27.101	5.574	0.135	1.05	-12.217	-263.518	1
41054_1055	41054	1055	-25.366	60.61	-3.284	4.94	-38.784	41.631	1
41055_1055	41055	1055	-27.029	4.869	0.157	1.042	-10.422	-333.15	1
41055_1056	41055	1056	-24.305	64.909	-2.813	5.296	-72.229	-326.081	1
41056_1056	41056	1056	-48.993	54.465	-4.213	2.755	116.203	-117.845	1
41056_1057	41056	1057	73.798	12.023	5.367	0.936	-117.432	639.829	1
41057_1057	41057	1057	-45.948	50.856	-3.78	3.04	66.217	-378.226	1
41057_1058	41057	1058	68.737	14.638	5.253	0.388	-70.847	752.898	1
41058_1058	41058	1058	-43.572	47.121	-3.333	3.426	29.682	-522.818	1
41058_1059	41058	1059	64.503	17.117	5.141	-0.314	-25.918	814.948	1
41059_1059	41059	1059	-41.875	44.023	-0.223	3.048	0.109	-640.673	1
41059_1060	41059	1060	59.93	19.236	0.778	0.606	-15.472	862.709	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41060_1060	41060	1060	-40.914	40.031	-0.068	2.535	-4.453	-749.04	1
41060_1061	41060	1061	55.458	22.154	0.62	1.077	-7.302	897.309	1
41061_1061	41061	1061	-40.709	36.11	0.101	1.833	-6.925	-827.151	1
41061_1062	41061	1062	51.244	25.361	0.47	1.825	-1.007	911.558	1
41062_1062	41062	1062	-41.053	35.16	0.042	2.765	-6.639	-933.802	1
41062_1063	41062	1063	47.698	27.098	0.3	0.644	2.521	976.025	1
41063_1063	41063	1063	-41.797	32.255	0.149	1.488	-6.505	-962.555	1
41063_1064	41063	1064	45.459	29.743	0.177	1.86	4.29	974.138	1
41064_1064	41064	1064	-42.968	29.451	0.197	1.853	-5.441	-974.542	1
41064_1065	41064	1065	43.695	32.556	0.129	1.498	5.523	960.038	1
41065_1065	41065	1065	-44.64	26.821	0.321	0.537	-3.818	-975.404	1
41065_1066	41065	1066	42.335	35.474	0.018	2.884	5.797	929.849	1
41066_1066	41066	1066	-47.472	25.129	0.514	1.348	-0.511	-910.05	1
41066_1067	41066	1067	41.367	36.394	0.045	2.144	5.933	821	1
41067_1067	41067	1067	-51.049	21.944	0.654	0.671	5.797	-894.942	1
41067_1068	41067	1068	40.725	40.314	-0.119	2.849	3.464	740.363	1
41068_1068	41068	1068	-54.955	19.062	0.736	1.364	13.894	-861.131	1
41068_1069	41068	1069	40.844	44.306	-0.219	2.221	-0.63	630.76	1
41069_1069	41069	1069	-58.94	16.972	5.228	-0.327	23.627	-813.747	1
41069_1070	41069	1070	41.648	47.381	-3.387	3.428	-30.174	510.947	1
41070_1070	41070	1070	-62.796	14.533	5.339	0.379	68.932	-753.442	1
41070_1071	41070	1071	43.249	51.105	-3.842	3.042	-66.83	365.095	1
41071_1071	41071	1071	-67.519	11.979	5.448	1.001	115.83	-644.032	1
41071_1072	41071	1072	45.567	54.7	-4.279	2.687	-117.103	103.943	1
41072_1072	41072	1072	31.067	64.669	-2.738	5.231	70.138	288.689	1
41072_1073	41072	1073	4.011	6.065	0.255	0.852	-9.18	287.739	1
41073_1073	41073	1073	31.587	60.631	-3.187	4.88	37.277	-91.673	1
41073_1074	41073	1074	4.983	6.176	0.247	1.295	-4.967	214.729	1
41074_1074	41074	1074	31.889	57.48	1.645	6.342	-3.779	-419.049	1
41074_1075	41074	1075	-17.569	8.19	-0.846	-1.814	-23.361	863.839	1
41075_1075	41075	1075	31.398	53.645	1.592	4.896	19.009	-796.363	1
41075_1076	41075	1076	-21.456	11.554	-1.134	-0.748	-34.674	1107.51	1
41076_1076	41076	1076	30.874	52.848	0.433	5.864	38.571	-1169.149	1
41076_1077	41076	1077	-24.547	13.243	-0.307	-1.855	-37.97	1349.832	1
41077_1077	41077	1077	30.551	46.954	0.342	4.915	43.691	-1179.136	1
41077_1078	41077	1078	-26.379	15.714	-0.308	-0.386	-43.515	1384.754	1
41078_1078	41078	1078	30.328	45.212	-0.179	5.181	49.469	-1536.645	1
41078_1079	41078	1079	-28.723	18.461	0.011	-0.813	-45.241	1636.024	1
41079_1079	41079	1079	29.92	40.533	-0.233	4.265	47.556	-1702.634	1
41079_1080	41079	1080	-29.874	22.553	0.101	0.039	-45.059	1744.982	1
41080_1080	41080	1080	29.37	39.271	-0.095	4.015	45.301	-1811.734	1
41080_1081	41080	1081	-30.402	23.848	0.016	0.292	-44.632	1849.26	1
41081_1081	41081	1081	28.718	34.643	-0.14	2.996	44.3	-1899.499	1
41081_1082	41081	1082	-30.547	28.233	0.076	1.267	-43.7	1902.497	1
41082_1082	41082	1082	27.925	33.275	-0.007	3.462	43.158	-1905.98	1
41082_1083	41082	1083	-30.398	29.256	-0.059	0.971	-43.819	1916.952	1
41083_1083	41083	1083	27.025	28.428	-0.072	0.832	43.179	-1917.324	1
41083_1084	41083	1084	-29.995	34.146	0.013	3.608	-43.304	1895.452	1
41084_1084	41084	1084	26.072	27.478	0.125	2.105	42.741	-1894.619	1
41084_1085	41084	1085	-29.423	35.442	-0.204	2.275	-44.892	1879.732	1
41085_1085	41085	1085	24.942	23.142	0.042	-0.658	44.004	-1835.083	1
41085_1086	41085	1086	-28.784	40.09	-0.132	5.12	-46.065	1782.759	1
41086_1086	41086	1086	23.613	22.036	0.048	0.92	44.488	-1727.386	1
41086_1087	41086	1087	-28.052	41.185	-0.188	3.484	-47.549	1666.285	1
41087_1087	41087	1087	21.935	17.982	-0.045	-1.446	43.998	-1615.507	1
41087_1088	41087	1088	-27.242	45.851	-0.106	5.924	-48.308	1494.423	1
41088_1088	41088	1088	19.376	15.507	-0.077	-1.414	41.881	-1378.678	1
41088_1089	41088	1089	-26.318	47.563	0.125	5.715	-45.473	1157.876	1
41089_1089	41089	1089	17.577	12.998	-0.065	-0.747	39.681	-1339.32	1
41089_1090	41089	1090	-25.392	53.201	0.147	4.625	-42.8	1141.668	1
41090_1090	41090	1090	14.758	11.104	-1.178	-1.2	37.936	-1095.788	1
41090_1091	41090	1091	-25.34	54.157	1.579	5.259	-23.336	767.534	1
41091_1091	41091	1091	11.517	7.629	-0.875	-1.437	25.424	-843.908	1
41091_1092	41091	1092	-25.25	58.163	1.628	5.849	-0.669	378.763	1
41092_1092	41092	1092	-8.024	6.36	0.145	1.393	-1.007	-255.411	1
41092_1093	41092	1093	-24.723	61.341	-3.302	4.568	-42.529	46.813	1
41093_1093	41093	1093	-5.102	6.177	0.151	0.817	2.238	-323.415	1
41093_1094	41093	1094	-24.254	65.549	-2.863	5.254	-76.38	-339.84	1
41094_1094	41094	1094	-49.535	54.256	-3.987	2.989	109.812	-116.993	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41094_1095	41094	1095	75.184	11.983	5.126	0.721	-111.517	633.819	1
41095_1095	41095	1095	-46.303	50.568	-3.588	3.465	62.399	-377.728	1
41095_1096	41095	1096	69.969	14.599	5.042	-0.228	-66.805	745.107	1
41096_1096	41096	1096	-43.727	46.739	-3.041	2.261	27.673	-522.407	1
41096_1097	41096	1097	65.629	17.1	4.765	1.344	-25.064	807.226	1
41097_1097	41097	1097	-41.789	43.678	-0.168	2.326	0.578	-638.686	1
41097_1098	41097	1098	60.906	19.222	0.737	0.906	-15.163	854.765	1
41098_1098	41098	1098	-40.587	39.685	-0.006	1.742	-3.365	-745.843	1
41098_1099	41098	1099	56.282	22.182	0.571	1.569	-7.609	888.918	1
41099_1099	41099	1099	-40.11	35.765	0.112	2.249	-5.126	-823.131	1
41099_1100	41099	1100	51.897	25.452	0.486	0.985	-1.423	902.651	1
41100_1100	41100	1100	-40.221	35.295	0.346	-5.239	-4.59	-927.078	1
41100_1101	41100	1101	48.173	26.893	0.013	6.51	0.08	967.976	1
41101_1101	41101	1101	-40.72	32.371	0.4	-4.888	-2.391	-956.722	1
41101_1102	41101	1102	45.777	29.531	-0.03	7.024	0.449	966.314	1
41102_1102	41102	1102	-41.657	29.545	-0.026	7.844	0.527	-971.454	1
41102_1103	41102	1103	43.844	32.349	0.437	-5.709	3.36	952.449	1
41103_1103	41103	1103	-43.076	26.892	0.096	5.537	1.192	-974.439	1
41103_1104	41103	1104	42.325	35.275	0.306	-4.213	5.037	924.641	1
41104_1104	41104	1104	-45.542	25.469	0.464	1.524	3.612	-911.041	1
41104_1105	41104	1105	41.181	35.713	0.143	1.743	5.522	822.475	1
41105_1105	41105	1105	-48.735	22.185	0.614	0.741	10.043	-898.378	1
41105_1106	41105	1106	40.278	39.633	-0.029	2.491	3.153	747.253	1
41106_1106	41106	1106	-52.24	19.211	0.711	1.316	18.42	-865.387	1
41106_1107	41106	1107	40.099	43.626	-0.14	1.933	-1.019	642.175	1
41107_1107	41107	1107	-55.866	17.074	4.88	-0.084	28.588	-818.119	1
41107_1108	41107	1108	40.639	46.715	-3.115	3.15	-29.153	527.901	1
41108_1108	41108	1108	-59.269	14.544	4.991	0.567	71.759	-756.093	1
41108_1109	41108	1109	41.926	50.528	-3.549	2.775	-64.059	384.745	1
41109_1109	41109	1109	-63.421	11.893	5.112	0.842	116.675	-644.225	1
41109_1110	41109	1110	43.909	54.235	-3.982	2.69	-111.969	125.309	1
41110_1110	41110	1110	33.944	63.539	-2.956	5.388	85.108	265.334	1
41110_1111	41110	1111	11.217	3.367	0.105	0.504	3.825	221.138	1
41111_1111	41111	1111	35.194	59.349	-3.425	4.398	51.198	-94.429	1
41111_1112	41111	1112	-15.307	5.662	1.217	-0.211	-22.353	624.791	1
41112_1112	41112	1112	36.329	56.147	1.327	6.163	8.673	-396.049	1
41112_1113	41112	1113	-19.411	8.738	-0.743	1.1655	-28.121	859.654	1
41113_1113	41113	1113	36.691	52.221	1.21	4.868	27.753	-749.305	1
41113_1114	41113	1114	-23.83	12.234	-0.983	-0.614	-38.722	1092.962	1
41114_1114	41114	1114	36.797	51.392	0.294	6.853	42.646	-1094.969	1
41114_1115	41114	1115	-27.513	14.079	-0.156	-2.751	-41.047	1319.195	1
41115_1115	41115	1115	37.535	45.394	0.165	4.565	46.397	-1070.124	1
41115_1116	41115	1116	-29.844	16.62	-0.123	0.07	-43.921	1323.883	1
41116_1116	41116	1116	38.045	43.787	-0.316	4.787	49.311	-1394.274	1
41116_1117	41116	1117	-33.124	19.242	0.164	-0.485	-43.966	1542.417	1
41117_1117	41117	1117	38.304	38.93	-0.381	4.087	45.547	-1538.925	1
41117_1118	41117	1118	-35.047	23.465	0.251	0.22	-42.078	1623.308	1
41118_1118	41118	1118	38.37	37.786	-0.253	4.605	41.146	-1626.409	1
41118_1119	41118	1119	-36.393	24.573	0.185	-0.12	-39.797	1699.174	1
41119_1119	41119	1119	38.262	32.97	-0.335	2.137	37.903	-1695.548	1
41119_1120	41119	1120	-37.35	29.091	0.285	2.362	-36.406	1724.434	1
41120_1120	41120	1120	37.968	31.726	-0.201	2.288	34.08	-1682.412	1
41120_1121	41120	1121	-37.94	30.002	0.157	2.135	-33.736	1712.406	1
41121_1121	41121	1121	37.474	26.706	-0.244	1.656	31.408	-1676.865	1
41121_1122	41121	1122	-38.271	35.065	0.21	2.802	-30.543	1664.24	1
41122_1122	41122	1122	36.77	25.807	-0.069	0.979	28.658	-1636.033	1
41122_1123	41122	1123	-38.369	36.367	0.043	3.458	-29.108	1623.909	1
41123_1123	41123	1123	35.767	21.354	-0.121	0.314	27.842	-1563.827	1
41123_1124	41123	1124	-38.275	41.182	0.091	4.183	-27.579	1503.469	1
41124_1124	41124	1124	34.389	20.321	0.001	0.67	26.808	-1445.13	1
41124_1125	41124	1125	-38.026	42.27	-0.075	3.927	-27.79	1364.98	1
41125_1125	41125	1125	32.419	16.23	-0.102	-1.129	26.43	-1328.842	1
41125_1126	41125	1126	-37.609	47.106	0.01	5.784	-27.441	1171.621	1
41126_1126	41126	1126	29.286	14.094	-0.558	-0.598	24.789	-1106.363	1
41126_1127	41126	1127	-36.97	48.711	0.603	5.222	-18.48	828.066	1
41127_1127	41127	1127	26.987	11.675	-0.552	-1.244	17.007	-1056.967	1
41127_1128	41127	1128	-36.263	54.313	0.699	5.301	-11.647	788.38	1
41128_1128	41128	1128	23.286	10.243	-1.226	-0.468	13.254	-834.541	1
41128_1129	41128	1129	-36.189	54.85	1.641	4.948	8.118	407.784	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41129_1129	41129	1129	-13.654	7.167	0.656	0.827	5.216	-290.986	1
41129_1130	41129	1130	-35.899	58.657	1.741	5.786	31.549	29.919	1
41130_1130	41130	1130	-12.671	6.659	0.291	1.243	14.411	-382.619	1
41130_1131	41130	1131	-34.827	61.56	-3.53	4.518	-14.869	-285.151	1
41131_1131	41131	1131	-10.63	6.355	0.286	0.397	18.529	-456.181	1
41131_1132	41131	1132	-33.601	65.594	-3.208	4.079	-56.617	-647.804	1
41132_1132	41132	1132	-49.116	55.238	-4.015	-1.812	103.524	31.041	1
41132_1133	41132	1133	79.271	9.539	4.476	3.94	-88.693	466.554	1
41133_1133	41133	1133	-45.172	51.268	-3.764	-0.081	58.723	-258.133	1
41133_1134	41133	1134	73.089	12.477	4.631	2.612	-50.124	606.433	1
41134_1134	41134	1134	-41.942	47.246	-4.083	7.864	25.115	-422.944	1
41134_1135	41134	1135	67.84	15.29	5.668	-9.328	-3.099	679.933	1
41135_1135	41135	1135	-39.538	44.28	0.183	1.74	-7.534	-560.335	1
41135_1136	41135	1136	62.499	16.82	0.087	1.104	0.057	748.094	1
41136_1136	41136	1136	-37.787	39.798	0.168	3.193	-6.48	-686.227	1
41136_1137	41136	1137	57.108	20.018	0.107	-0.464	2.355	800.108	1
41137_1137	41137	1137	-36.797	35.419	0.25	2.317	-5.214	-776.094	1
41137_1138	41137	1138	51.947	23.538	-0.004	0.186	3.174	828.567	1
41138_1138	41138	1138	-36.553	34.602	0.103	1.804	-2.839	-885.785	1
41138_1139	41138	1139	47.476	25.301	0.044	0.773	3.749	902.42	1
41139_1139	41139	1139	-36.717	31.354	0.174	0.383	-1.691	-917.545	1
41139_1140	41139	1140	44.599	28.222	-0.056	2.193	3.297	908.847	1
41140_1140	41140	1140	-37.313	28.233	0.184	0.765	-0.046	-930.27	1
41140_1141	41140	1141	42.205	31.352	-0.073	1.92	2.666	901.188	1
41141_1141	41141	1141	-38.42	25.326	0.136	2.696	1.712	-929.26	1
41141_1142	41141	1142	40.24	34.609	-0.022	-0.178	2.225	874.241	1
41142_1142	41142	1142	-40.498	23.582	0.218	-0.343	3.711	-860.903	1
41142_1143	41142	1143	38.673	35.528	0.092	2.922	2.401	769.827	1
41143_1143	41143	1143	-43.306	20.048	0.261	0.17	7.131	-837.674	1
41143_1144	41143	1144	37.242	39.885	0.034	2.668	1.323	686.248	1
41144_1144	41144	1144	-46.411	16.849	0.251	1.706	11.248	-791.148	1
41144_1145	41144	1145	36.579	44.335	0.027	1.15	-0.201	567.68	1
41145_1145	41145	1145	-49.752	14.625	4.173	-0.915	15.864	-728.462	1
41145_1146	41145	1146	36.718	47.64	-2.895	3.6	-24.895	436.638	1
41146_1146	41146	1146	-52.756	11.904	4.216	-0.3	51.139	-650.945	1
41146_1147	41146	1147	37.595	51.793	-3.238	3.313	-54.932	274.789	1
41147_1147	41147	1147	-56.373	9.057	4.233	0.831	86.611	-514.42	1
41147_1148	41147	1148	39.197	55.78	-3.557	2.517	-95.6	-12.439	1
41148_1148	41148	1148	49.622	61.406	-2.523	3.936	54.757	417.278	1
41148_1149	41148	1149	22.713	4.136	0.157	0.364	-2.703	339.958	1
41149_1149	41149	1149	52.755	57.254	-2.976	3.974	23.388	92.327	1
41149_1150	41149	1150	-24.977	6.378	0.822	-0.156	-11.414	489.867	1
41150_1150	41150	1150	55.48	54.162	1.344	4.769	-16.188	-176.144	1
41150_1151	41150	1151	-31.184	9.393	-0.662	-0.814	-13.468	690.722	1
41151_1151	41151	1151	57.04	50.396	1.234	4.477	1.271	-489.605	1
41151_1152	41151	1152	-37.848	12.823	-0.939	-0.687	-20.692	880.792	1
41152_1152	41152	1152	57.813	49.77	0.683	4.076	15.462	-816.12	1
41152_1153	41152	1153	-43.435	14.471	-0.364	-0.476	-22.613	1078.225	1
41153_1153	41153	1153	59.151	43.92	0.64	4.504	21.045	-804.245	1
41153_1154	41153	1154	-46.986	17.052	-0.426	-0.559	-28.389	1071.436	1
41154_1154	41154	1154	59.837	41.876	-0.003	3.895	29.486	-1075.554	1
41154_1155	41154	1155	-51.893	19.587	0.065	0.129	-28.664	1236.11	1
41155_1155	41155	1155	59.938	36.729	-0.055	3.396	28.927	-1203.387	1
41155_1156	41155	1156	-55.01	24.031	0.12	0.654	-28.074	1290.285	1
41156_1156	41156	1156	59.568	35.483	0.04	2.971	28.052	-1303.515	1
41156_1157	41156	1157	-57.244	25.568	0.053	1.085	-27.844	1361.76	1
41157_1157	41157	1157	58.749	30.883	-0.014	2.196	28.086	-1354.046	1
41157_1158	41157	1158	-58.712	29.969	0.112	1.866	-27.187	1363.158	1
41158_1158	41158	1158	57.474	29.731	0.107	1.839	27.852	-1359.214	1
41158_1159	41158	1159	-59.575	31.136	-0.027	2.216	-27.773	1353.699	1
41159_1159	41159	1159	55.648	25.33	0.048	1.056	28.636	-1354.65	1
41159_1160	41159	1160	-59.947	35.733	0.03	2.985	-28.045	1300.069	1
41160_1160	41160	1160	53.083	23.82	0.132	-0.005	28.976	-1278.854	1
41160_1161	41160	1161	-59.852	36.994	-0.055	3.908	-29.092	1195.605	1
41161_1161	41161	1161	49.748	19.371	0.126	0.732	29.851	-1220.681	1
41161_1162	41161	1162	-59.245	42.119	-0.063	3.146	-30.538	1063.908	1
41162_1162	41162	1162	44.697	16.724	-0.558	-0.787	30.21	-1051.24	1
41162_1163	41162	1163	-58.123	44.289	0.815	4.698	-20.002	786.797	1
41163_1163	41163	1163	41.112	14.136	-0.463	-0.173	22.737	-1051.235	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41163_1164	41163	1164	-56.266	50.139	0.829	3.752	-13.481	792.233	1
41164_1164	41164	1164	35.57	12.432	-0.984	-1.036	20.315	-850.352	1
41164_1165	41164	1165	-55.263	50.865	1.269	4.754	0.914	459.275	1
41165_1165	41165	1165	29.015	8.987	-0.679	-0.531	12.819	-654.412	1
41165_1166	41165	1166	-53.441	54.689	1.353	4.44	18.171	133.245	1
41166_1166	41166	1166	22.916	5.901	0.802	-0.267	10.872	-452.004	1
41166_1167	41166	1167	-50.38	57.972	-2.934	4.062	-21.007	-145.487	1
41167_1167	41167	1167	-28.206	4.523	0.158	0.373	3.708	-399.606	1
41167_1168	41167	1168	-47.212	62.149	-2.485	3.939	-52.306	-479.596	1
41168_1168	41168	1168	-42.03	55.903	-3.613	2.593	96.5	26.582	1
41168_1169	41168	1169	60.843	9.232	4.284	0.785	-85.906	504.387	1
41169_1169	41169	1169	-40.015	51.959	-3.302	3.531	55.464	-262.986	1
41169_1170	41169	1170	57.034	12.026	4.277	-0.556	-50.229	640.184	1
41170_1170	41170	1170	-38.699	47.848	-2.961	3.8	25.073	-426.357	1
41170_1171	41170	1171	53.816	14.698	4.235	-1.195	-14.628	716.705	1
41171_1171	41171	1171	-38.181	44.406	-0.086	1.64	-0.025	-560.544	1
41171_1172	41171	1172	50.339	17.022	0.457	1.407	-8.552	778.557	1
41172_1172	41172	1172	-38.321	40.01	-0.062	3.188	-2.124	-681.337	1
41172_1173	41172	1173	46.901	20.183	0.459	-0.226	-3.128	824.812	1
41173_1173	41173	1173	-39.202	35.694	0.063	2.357	-3.504	-767.275	1
41173_1174	41173	1174	43.72	23.673	0.343	0.487	0.89	848.3	1
41174_1174	41174	1174	-40.337	34.681	0.056	0.379	-3.062	-875.143	1
41174_1175	41174	1175	41.23	25.517	0.038	2.276	1.803	917.224	1
41175_1175	41175	1175	-41.859	31.47	-0.005	2.504	-2.593	-904.889	1
41175_1176	41175	1176	39.791	28.404	0.088	0.285	2.557	918.954	1
41176_1176	41176	1176	-43.779	28.377	0.074	1.094	-2.457	-915.5	1
41176_1177	41176	1177	38.843	31.499	0.013	1.639	2.774	907.374	1
41177_1177	41177	1177	-46.167	25.492	0.088	1.416	-1.807	-912.671	1
41177_1178	41177	1178	38.307	34.714	0.006	1.246	2.908	876.625	1
41178_1178	41178	1178	-49.898	23.661	0.365	0.899	-0.567	-843.154	1
41178_1179	41178	1179	38.166	35.748	0.041	2.093	3.19	767.679	1
41179_1179	41179	1179	-54.268	20.182	0.484	0.209	3.596	-818.542	1
41179_1180	41179	1180	38.62	40.059	-0.086	2.84	1.553	679.537	1
41180_1180	41180	1180	-58.838	17.037	0.542	0.743	9.149	-771.956	1
41180_1181	41180	1181	39.813	44.46	-0.161	2.368	-1.231	557.525	1
41181_1181	41181	1181	-63.524	14.733	4.163	-1.324	15.859	-710.315	1
41181_1182	41181	1182	41.761	47.938	-2.935	3.785	-26.17	421.586	1
41182_1182	41182	1182	-67.753	12.09	4.197	-0.715	50.733	-634.57	1
41182_1183	41182	1183	44.342	52.032	-3.264	3.565	-56.265	257.046	1
41183_1183	41183	1183	-72.723	9.332	4.15	0.972	85.553	-499.767	1
41183_1184	41183	1184	47.589	55.96	-3.529	2.378	-96.393	-33.426	1
41184_1184	41184	1184	37.103	64.156	-2.431	3.701	49.38	542.6	1
41184_1185	41184	1185	10.223	6.58	0.216	0.814	-6.78	370.307	1
41185_1185	41185	1185	38.992	59.969	-2.828	3.99	18.031	179.341	1
41185_1186	41185	1186	12.444	6.892	0.229	0.687	-3.238	293.102	1
41186_1186	41186	1186	40.629	56.469	1.447	4.347	-20.394	-134.609	1
41186_1187	41186	1187	-21.356	8.017	-0.698	-0.525	-12.999	642.277	1
41187_1187	41187	1187	41.46	52.451	1.383	4.714	-2.136	-498.094	1
41187_1188	41187	1188	-26.374	11.475	-1.021	-1.093	-20.724	858.414	1
41188_1188	41188	1188	41.869	51.375	0.941	4.368	13.565	-858.146	1
41188_1189	41188	1189	-30.652	13.301	-0.52	-0.18	-23.585	1076.861	1
41189_1189	41189	1189	42.876	45.491	0.95	5.635	21.087	-870.799	1
41189_1190	41189	1190	-33.382	15.911	-0.634	-1.12	-32.186	1094.741	1
41190_1190	41190	1190	43.478	43.12	0.202	3.586	33.669	-1171.064	1
41190_1191	41190	1191	-37.167	18.678	-0.025	1.341	-33.864	1289.831	1
41191_1191	41191	1191	43.661	38.063	0.265	5.909	35.494	-1317.944	1
41191_1192	41191	1192	-39.569	23.06	-0.092	-0.974	-36.006	1370.389	1
41192_1192	41192	1192	43.478	36.494	0.117	3.738	38.135	-1432.831	1
41192_1193	41192	1193	-41.338	24.833	0.016	1.388	-36.918	1463.332	1
41193_1193	41193	1193	42.921	31.92	0.096	2.994	38.955	-1494.598	1
41193_1194	41193	1194	-42.524	29.233	0.042	2.092	-37.569	1484.865	1
41194_1194	41194	1194	42.001	30.577	0.291	1.409	39.715	-1510.03	1
41194_1195	41194	1195	-43.247	30.626	-0.145	3.533	-39.961	1491.722	1
41195_1195	41195	1195	40.636	26.223	0.298	2.28	42.154	-1512.08	1
41195_1196	41195	1196	-43.616	35.207	-0.173	2.625	-42.93	1451.713	1
41196_1196	41196	1196	38.692	24.42	0.106	-1.016	44.368	-1443.785	1
41196_1197	41196	1197	-43.637	36.875	0.012	5.773	-44.002	1359.195	1
41197_1197	41197	1197	36.165	20.093	0.158	1.367	44.281	-1387.14	1
41197_1198	41197	1198	-43.251	41.921	-0.043	3.39	-45.659	1235.845	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41198_1198	41198	1198	32.34	17.348	-0.654	-1.167	43.945	-1216	1
41198_1199	41198	1199	-42.484	44.286	0.904	6.057	-34.212	962.922	1
41199_1199	41199	1199	29.598	14.742	-0.541	-0.545	34.558	-1222.366	1
41199_1200	41199	1200	-41.216	50.125	0.932	5.089	-26.655	979.236	1
41200_1200	41200	1200	25.414	12.716	-0.874	-1.638	30.76	-1014.177	1
41200_1201	41200	1201	-40.658	51.348	1.127	6.257	-13.666	642.543	1
41201_1201	41201	1201	20.543	9.2	-0.601	-1.134	23.176	-804.121	1
41201_1202	41201	1202	-39.643	55.349	1.201	6.147	2.031	308.602	1
41202_1202	41202	1202	16.111	5.991	0.848	-1.207	20.393	-585.103	1
41202_1203	41202	1203	-37.667	58.954	-3.171	5.66	-39.42	18.343	1
41203_1203	41203	1203	-11.512	4.501	0.123	0.887	-2.608	-252.704	1
41203_1204	41203	1204	-35.753	63.132	-2.699	5.684	-71.639	-327.207	1
41204_1204	41204	1204	-44.74	55.146	-4.015	2.714	115.536	-44.984	1
41204_1205	41204	1205	65.048	11.348	5	1.563	-115.352	604.69	1
41205_1205	41205	1205	-42.554	51.521	-3.683	4.558	67.899	-319.055	1
41205_1206	41205	1206	60.82	13.959	4.994	-1.124	-71.507	727.474	1
41206_1206	41206	1206	-41.088	47.742	-3.268	4.783	32.249	-467.759	1
41206_1207	41206	1207	57.303	16.426	4.904	-1.852	-28.844	787.529	1
41207_1207	41207	1207	-40.454	44.433	-0.406	3.109	3.083	-591.786	1
41207_1208	41207	1208	53.612	18.584	1.05	0.829	-16.415	834.426	1
41208_1208	41208	1208	-40.487	40.346	-0.227	2.635	-2.893	-704.542	1
41208_1209	41208	1209	49.952	21.517	0.887	1.355	-6.304	868.181	1
41209_1209	41209	1209	-41.29	36.328	-0.087	3.176	-6.351	-787.502	1
41209_1210	41209	1210	46.563	24.75	0.791	0.639	2.307	882.253	1
41210_1210	41210	1210	-42.394	35.213	0.062	2.074	-7.184	-897.536	1
41210_1211	41210	1211	43.895	26.594	0.239	1.391	5.068	945.325	1
41211_1211	41211	1211	-43.892	32.232	0.17	0.799	-6.657	-927.978	1
41211_1212	41211	1212	42.329	29.286	0.122	2.746	6.212	943.132	1
41212_1212	41212	1212	-45.801	29.36	0.208	1.331	-5.213	-942.055	1
41212_1213	41212	1213	41.264	32.16	0.082	2.314	6.896	929.645	1
41213_1213	41213	1213	-48.2	26.677	0.176	3.359	-3.276	-944.478	1
41213_1214	41213	1214	40.625	35.133	0.109	0.066	7.452	898.981	1
41214_1214	41214	1214	-51.971	24.761	0.872	-0.216	-0.742	-881.287	1
41214_1215	41214	1215	40.398	36.341	-0.15	3.848	5.738	789.153	1
41215_1215	41215	1215	-56.397	21.532	0.902	1.765	8.727	-866.748	1
41215_1216	41215	1216	40.757	40.351	-0.243	2.197	1.8	705.521	1
41216_1216	41216	1216	-61.04	18.6	1.072	1.16	19.135	-832.495	1
41216_1217	41216	1217	41.889	44.437	-0.429	2.669	-4.706	592.365	1
41217_1217	41217	1217	-65.845	16.372	4.762	-1.386	31.867	-785.279	1
41217_1218	41217	1218	43.815	47.737	-3.101	4.705	-32.934	468.154	1
41218_1218	41218	1218	-70.185	13.893	4.858	-0.579	73.572	-724.067	1
41218_1219	41218	1219	46.395	51.535	-3.518	4.322	-67.544	318.942	1
41219_1219	41219	1219	-75.314	11.276	4.96	1.005	116.485	-599.203	1
41219_1220	41219	1220	49.654	55.162	-3.918	3.247	-114.542	44.459	1
41220_1220	41220	1220	30.018	65.556	-2.954	7.178	71.076	403.033	1
41220_1221	41220	1221	14.5	7.256	0.195	0.502	10.372	376.311	1
41221_1221	41221	1221	31.55	61.529	-3.532	6.258	36.096	26.543	1
41221_1222	41221	1222	16.066	7.646	0.122	2.044	12.485	286.705	1
41222_1222	41222	1222	33.064	57.904	1.382	8.794	-8.699	-301.897	1
41222_1223	41222	1223	16.63	8.201	0.387	1.568	17.919	179.944	1
41223_1223	41223	1223	34.066	54.021	1.18	5.747	10.782	-675.471	1
41223_1224	41223	1224	-19.736	11.402	-1.002	0.285	-27.547	1032.174	1
41224_1224	41224	1224	34.718	52.372	0.859	9.146	25.183	-1044.017	1
41224_1225	41224	1225	-23.49	13.77	-0.499	-3.596	-30.846	1259.729	1
41225_1225	41225	1225	36.602	45.693	0.686	5.621	33.879	-994.283	1
41225_1226	41225	1226	-25.975	16.212	-0.508	0.786	-39.462	1244.436	1
41226_1226	41226	1226	37.857	42.366	0.003	9.195	45.335	-1371.418	1
41226_1227	41226	1227	-30.223	20.29	0.001	-2.841	-42.194	1483.613	1
41227_1227	41227	1227	38.632	37.068	-0.174	1.953	45.094	-1517.239	1
41227_1228	41227	1228	-32.905	24.927	0.158	4.197	-41.841	1561.401	1
41228_1228	41228	1228	38.928	34.196	0.152	5.908	42.636	-1592.597	1
41228_1229	41228	1229	-34.989	27.741	-0.044	0.018	-43.042	1613.82	1
41229_1229	41229	1229	38.727	29.104	0.046	1.05	43.95	-1628.355	1
41229_1230	41229	1230	-36.664	32.828	0.041	4.792	-43.477	1600.868	1
41230_1230	41230	1230	37.898	26.273	-0.443	3.506	43.678	-1602.368	1
41230_1231	41230	1231	-37.895	35.877	0.357	2.396	-39.909	1545.142	1
41231_1231	41231	1231	36.377	21.652	-0.558	-1.038	36.8	-1544.755	1
41231_1232	41231	1232	-38.655	41.152	0.509	6.967	-33.754	1421.52	1
41232_1232	41232	1232	34.647	19.863	-1.089	2.756	28.74	-1510.731	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41232_1233	41232	1233	-38.961	44.433	0.995	3.108	-23.222	1361.775	1
41233_1233	41233	1233	32.088	16.097	-1.091	-1.095	17.348	-1369.206	1
41233_1234	41233	1234	-38.818	48.622	1.192	6.865	-8.172	1114.496	1
41234_1234	41234	1234	31.236	15.253	-1.192	-7.432	5.148	-1458.671	1
41234_1235	41234	1235	-38.364	53.257	1.425	12.135	-1.407	1310.589	1
41235_1235	41235	1235	28.961	14.375	1.476	0.099	2.714	-1297.756	1
41235_1236	41235	1236	-38.831	52.815	-1.511	4.975	-11.672	1040.488	1
41236_1236	41236	1236	26.203	11.548	1.303	-1.463	14.313	-1124.822	1
41236_1237	41236	1237	-37.991	55.749	-1.49	6.631	-25.822	736.693	1
41237_1237	41237	1237	24.51	10.842	1.17	-4.15	26.743	-1110.515	1
41237_1238	41237	1238	-37.874	58.656	-1.435	8.535	-32.716	807.12	1
41238_1238	41238	1238	21.315	10.76	-5.096	0.193	31.262	-865.285	1
41238_1239	41238	1239	-38.002	55.235	4.522	5.479	15.587	390.92	1
41239_1239	41239	1239	17.647	8.009	-4.954	-0.671	-23.509	-678.527	1
41239_1240	41239	1240	-37.132	58.578	4.897	5.869	72.099	137.491	1
41240_1240	41240	1240	12.03	11.398	8.299	-16.092	-74.336	-440.801	1
41240_1241	41240	1241	-34.111	54.659	-9.279	22.108	-31.954	-98.692	1
41241_1241	41241	1241	-53.975	49.547	2.977	16.35	50.446	-270.318	1
41241_1242	41241	1242	71.405	18.003	-3.879	-14.809	-101.355	787.089	1
41242_1242	41242	1242	-53.151	48.356	2.943	15.209	75.75	-624.26	1
41242_1243	41242	1243	67.72	20.801	-3.88	-14.597	-111.838	947.734	1
41243_1243	41243	1243	-50.948	48.546	-4.125	4.402	74.067	-459.371	1
41243_1244	41243	1244	65.733	18.183	5.143	0.054	-63.381	861.876	1
41244_1244	41244	1244	-50.298	44.067	-3.345	2.691	27.117	-569.376	1
41244_1245	41244	1245	62.022	20.887	4.946	2.295	-7.872	876.646	1
41245_1245	41245	1245	-50.862	40.512	-0.721	4.203	-9.416	-719.758	1
41245_1246	41245	1246	58.14	23.522	1.041	0.847	6.74	914.282	1
41246_1246	41246	1246	-52.342	36.203	-0.455	1.949	-17.02	-810.358	1
41246_1247	41246	1247	54.706	26.94	0.801	3.283	17.577	909.762	1
41247_1247	41247	1247	-54.643	33.086	-0.144	3.079	-20.244	-893.059	1
41247_1248	41247	1248	52.248	29.97	0.014	1.918	19.853	918.615	1
41248_1248	41248	1248	-58.399	28.807	-0.045	2.01	-19.639	-886.167	1
41248_1249	41248	1249	50.924	33.745	-0.073	3.125	20.48	834.676	1
41249_1249	41249	1249	-63.348	25.4	3.12	3.793	-17.094	-903.098	1
41249_1250	41249	1250	50.613	37.653	-2.424	1.685	-3.026	762.846	1
41250_1250	41250	1250	-68.368	22.264	3.241	0.511	16.871	-920.686	1
41250_1251	41250	1251	51.395	42.261	-3.022	4.528	-34.505	689.298	1
41251_1251	41251	1251	-74.12	22.051	2.427	3.042	46.944	-874.594	1
41251_1252	41251	1252	52.945	42.355	-0.129	1.828	-40.717	556.569	1
41252_1252	41252	1252	-80.275	18.404	3.151	1.004	75.779	-823.775	1
41252_1253	41252	1253	55.889	46.686	-0.796	3.239	-58.546	368.74	1
41253_1253	41253	1253	-82.022	17.451	3.227	2.073	113.684	-948.761	1
41253_1254	41253	1254	60.416	51.37	-1.339	1.78	-77.649	596.88	1
41254_1254	41254	1254	-84.878	19.689	-2.858	-26.943	128.765	-855.128	1
41254_1255	41254	1255	61.828	48.671	1.048	24.031	-75.518	412.413	1
41255_1255	41255	1255	27.745	61.462	-8.105	17.211	69.407	17.318	1
41255_1256	41255	1256	-8.38	7.703	4.884	-10.058	3.154	498.646	1
41256_1256	41256	1256	28.518	59.447	-8.425	17.191	5.674	-197.283	1
41256_1257	41256	1257	-10.43	9.649	5.617	-10.393	42.951	652.334	1
41257_1257	41257	1257	30.013	61.981	-0.264	6.041	-53.474	-238.777	1
41257_1258	41257	1258	27.824	7.243	0.122	0.832	5.777	321.765	1
41258_1258	41258	1258	31.508	58.092	-0.667	6.222	-56.111	-433.584	1
41258_1259	41258	1259	-15.337	9.139	-0.743	-0.422	32.108	955.616	1
41259_1259	41259	1259	31.926	55.573	4.683	7.866	-64.459	-792.64	1
41259_1260	41259	1260	-18.748	11.893	-3.506	-2.479	6.672	1176.782	1
41260_1260	41260	1260	32.852	52.458	4.558	6.191	-13.2	-1063.798	1
41260_1261	41260	1261	-21.749	14.502	-3.897	-0.824	-26.46	1345.046	1
41261_1261	41261	1261	32.96	51.521	4.509	5.952	30.382	-1455.888	1
41261_1262	41261	1262	-24.324	17.154	-4.196	-1.391	-40.051	1574.358	1
41262_1262	41262	1262	34.87	47.889	-0.117	9.034	45.719	-1266.274	1
41262_1263	41262	1263	-25.22	17.423	0.09	-3.177	-39.449	1480.321	1
41263_1263	41263	1263	36.504	43.04	-0.249	4.421	45.021	-1425.591	1
41263_1264	41263	1264	-27.897	21.036	0.177	1.472	-38.872	1567.21	1
41264_1264	41264	1264	37.775	40.035	-0.146	7.6	42.45	-1576.915	1
41264_1265	41264	1265	-30.506	23.658	0.052	-1.715	-39.404	1662.659	1
41265_1265	41265	1265	38.695	35.365	-0.292	1.922	40.661	-1678.389	1
41265_1266	41265	1266	-32.734	27.952	0.188	3.844	-37.898	1710.422	1
41266_1266	41266	1266	39.253	32.466	-0.376	4.501	37.153	-1711.969	1
41266_1267	41266	1267	-34.642	30.645	0.15	1.138	-36.08	1720.155	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41267_1267	41267	1267	39.371	28.019	-0.503	0.834	31.972	-1726.256	1
41267_1268	41267	1268	-36.282	35.303	0.288	4.777	-32.119	1691.64	1
41268_1268	41268	1268	38.867	24.547	-0.806	3.036	25.183	-1633.718	1
41268_1269	41268	1269	-37.59	38.321	0.509	2.78	-23.932	1552.097	1
41269_1269	41269	1269	37.809	20.547	-0.933	-1.682	13.667	-1596.367	1
41269_1270	41269	1270	-38.676	43.697	0.718	7.403	-12.867	1457.893	1
41270_1270	41270	1270	36.524	18.211	3.053	1.449	2.859	-1549.576	1
41270_1271	41270	1271	-39.243	47.458	-3.326	3.903	-39.9	1381.085	1
41271_1271	41271	1271	34.41	14.877	2.659	-1.472	28.425	-1387.997	1
41271_1272	41271	1272	-39.388	51.194	-3.328	6.92	-75.564	1102.653	1
41272_1272	41272	1272	33.444	13.88	2.447	-4.854	55.732	-1429.543	1
41272_1273	41272	1273	-39.422	55.429	-3.252	9.627	-87.232	1230.854	1
41273_1273	41273	1273	31.281	16.031	-0.509	0.73	60.247	-1259.657	1
41273_1274	41273	1274	-39.603	50.787	1.689	4.013	-72.439	973.158	1
41274_1274	41274	1274	28.991	13.936	-0.301	-1.093	52.419	-1160.666	1
41274_1275	41274	1275	-39.72	53.312	1.597	5.755	-57.852	825.102	1
41275_1275	41275	1275	27.624	13.02	-0.285	-5.66	48.764	-1155.088	1
41275_1276	41275	1276	-39.537	55.82	1.547	9.955	-50.152	880.822	1
41276_1276	41276	1276	23.662	12.639	-9.373	-0.151	45.47	-878.675	1
41276_1277	41276	1277	-39.491	52.463	9.586	5.977	62.633	420.984	1
41277_1277	41277	1277	19.222	9.215	-8.744	-0.818	-60.558	-664.393	1
41277_1278	41277	1278	-38.891	56.077	9.915	5.955	192.53	130.003	1
41278_1278	41278	1278	15.22	12.77	14.171	-21.751	-160.862	-499.917	1
41278_1279	41278	1279	-36.943	53.232	-17.808	28.945	25.734	89.656	1
41279_1279	41279	1279	-48.346	49.459	5.64	14.426	-4.839	-257.607	1
41279_1280	41279	1280	61.506	18.775	-8.364	-13.778	-73.339	830.753	1
41280_1280	41280	1280	-47.915	47.4	5.133	13.058	43.261	-533.416	1
41280_1281	41280	1281	58.383	21.311	-8.136	-13.257	-115.471	932.574	1
41281_1281	41281	1281	-48.042	44.111	-1.965	2.858	49.6	-354.678	1
41281_1282	41281	1282	56.551	21.101	4.666	-0.278	-54.677	784.138	1
41282_1282	41282	1282	-50.051	39.105	-0.871	1.19	14.058	-516.603	1
41282_1283	41282	1283	52.664	24.924	4.057	1.913	-0.902	774.635	1
41283_1283	41283	1283	-53.918	36.012	-0.13	2.905	3.303	-622.62	1
41283_1284	41283	1284	49.46	25.995	0.026	0.598	-1.468	753.626	1
41284_1284	41284	1284	-58.768	31.456	0.027	0.542	0.859	-760.536	1
41284_1285	41284	1285	47.889	30.791	-0.106	2.95	-3.136	761.821	1
41285_1285	41285	1285	-65.07	29.162	0.786	2.944	0.039	-791.489	1
41285_1286	41285	1286	47.973	32.864	0.504	0.597	2.517	705.648	1
41286_1286	41286	1286	-71.95	25.197	1.246	0.576	10.469	-845.43	1
41286_1287	41286	1287	49.6	37.7	0.056	2.611	-0.081	650.876	1
41287_1287	41287	1287	-81.54	23.056	1.825	2.892	-28.301	-800.186	1
41287_1288	41287	1288	52.432	39.774	-0.484	0.858	-12.248	454.113	1
41288_1288	41288	1288	-89.582	19.543	2.365	0.125	58.909	-846.75	1
41288_1289	41288	1289	57.883	45.504	-1.046	2.555	-35.722	368.009	1
41289_1289	41289	1289	-92.458	20.332	-4.023	-5.137	88.597	-973.155	1
41289_1290	41289	1290	64.028	48.171	1.947	5.236	-41.307	566.426	1
41290_1290	41290	1290	-98.665	17.624	-4.237	-6.502	77.287	-849.219	1
41290_1291	41290	1291	66.508	49.765	2.061	6.388	-25.517	242.653	1
41291_1291	41291	1291	13.779	64.196	-8.36	16.159	-10.173	-180.085	1
41291_1292	41291	1292	-3.13	7.162	5.08	-10.091	56.05	536.106	1
41292_1292	41292	1292	13.218	65.602	2.923	4.914	-69.849	-230.931	1
41292_1293	41292	1293	-4.142	4.599	-3.117	-1.339	20.385	702.248	1
41293_1293	41293	1293	11.904	62.476	2.669	2.363	-32.07	-701.403	1
41293_1294	41293	1294	-5.188	7.08	-3.218	1.455	-10.964	1016.529	1
41294_1294	41294	1294	10.964	60.748	0.581	8.503	-3.1	-1175.379	1
41294_1295	41294	1295	-6.132	9.594	-0.113	-5.058	-7.982	1315.611	1
41295_1295	41295	1295	10.235	58.578	0.58	2.609	1.356	-1379.5	1
41295_1296	41295	1296	-6.801	11.234	-0.173	0.147	-7.649	1475.718	1
41296_1296	41296	1296	9.921	55.747	0.6	1.467	6.191	-1534.135	1
41296_1297	41296	1297	-7.438	13.052	-0.252	1.51	-8.915	1611.624	1
41297_1297	41297	1297	10.033	56.249	0.14	8.829	12.016	-1899.597	1
41297_1298	41297	1298	-8.033	13.788	-0.315	-5.378	-10.151	1867.768	1
41298_1298	41298	1298	10.282	53.253	0.058	6.032	13.597	-1878.429	1
41298_1299	41298	1299	-8.288	14.91	-0.298	-2.794	-12.756	1892.51	1
41299_1299	41299	1299	10.539	48.961	-0.057	-0.195	14.705	-1975.722	1
41299_1300	41299	1300	-8.789	17.374	-0.243	3.356	-15.688	1992.475	1
41300_1300	41300	1300	10.692	46.483	-0.342	7.688	14.285	-2165.605	1
41300_1301	41300	1301	-9.402	19.151	0.192	-3.963	-12.544	2178.328	1
41301_1301	41301	1301	10.697	42.295	-0.405	-2.212	9.722	-2419.662	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41301_1302	41301	1302	-9.938	23.361	0.284	5.188	-8.33	2398.961	1
41302_1302	41302	1302	10.555	39.925	-0.246	7.894	5.603	-2458.686	1
41302_1303	41302	1303	-10.282	24.715	0.124	-4.402	-5.268	2485.28	1
41303_1303	41303	1303	10.294	35.705	-0.315	-4.758	2.493	-2610.187	1
41303_1304	41303	1304	-10.562	29.341	0.209	7.913	-1.531	2644.797	1
41304_1304	41304	1304	9.81	33.462	-0.314	5.835	-0.167	-2526.595	1
41304_1305	41304	1305	-10.684	30.465	0.23	-2.969	2.812	2632.694	1
41305_1305	41305	1305	9.211	28.897	-0.36	-4.58	-3.51	-2513.095	1
41305_1306	41305	1306	-10.69	35.195	0.3	7.905	7.399	2664.979	1
41306_1306	41306	1306	8.397	26.841	-0.341	3.965	-6.112	-2346.025	1
41306_1307	41306	1307	-10.567	36.34	0.314	-1.62	12.11	2594.343	1
41307_1307	41307	1307	7.286	21.409	-0.361	-3.866	-8.213	-2093.904	1
41307_1308	41307	1308	-10.293	40.896	0.361	7.578	17.016	2427.085	1
41308_1308	41308	1308	5.956	18.127	-0.333	2.111	-9.787	-1767.86	1
41308_1309	41308	1309	-9.832	42.961	0.234	0.035	19.947	2240.475	1
41309_1309	41309	1309	4.293	12.244	-0.321	-3.544	-10.028	-1329.639	1
41309_1310	41309	1310	-9.198	48.06	0.304	8.659	23.246	1933.581	1
41310_1310	41310	1310	2.593	7.511	0.264	0.269	-8.633	-810.232	1
41310_1311	41310	1311	-8.344	51.469	-0.83	2.505	12.076	1518.091	1
41311_1311	41311	1311	-3.237	6.374	-0.328	1.645	16.676	169.344	1
41311_1312	41311	1312	-7.208	57.491	-0.707	7.909	2.461	976.41	1
41312_1312	41312	1312	-3.311	6.123	-0.662	1.819	11.877	87.499	1
41312_1313	41312	1313	-5.788	63.339	-0.152	4.445	0	-36.7	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
1000_1000	1000	1000	-1.289	-5.179	0.235	-0.255	0	-4.751	1
1000_1001	1000	1001	73.523	-56.599	0.167	-0.793	2.833	604.466	1
1001_1001	1001	1001	5.647	-5.179	0.234	-0.279	3.992	51.279	1
1001_1002	1001	1002	108.971	-50.901	0.186	-1.237	5.197	892.818	1
1002_1002	1002	1002	-57.7	-6.625	0.056	0.155	-2.221	-470.367	1
1002_1003	1002	1003	140.984	-47.191	-0.113	-0.816	4.068	1153.493	1
1003_1003	1003	1003	-92.983	-11.95	0.075	0.441	-2.584	-758.648	1
1003_1004	1003	1004	163.695	-41.658	-0.123	-1.152	2.49	1338.358	1
1004_1004	1004	1004	-126.014	-15.33	0.082	0.117	-2.334	-1028.361	1
1004_1005	1004	1005	181.813	-40.084	-0.061	-0.618	1.224	1485.67	1
1005_1005	1005	1005	-153.724	-20.991	0.081	0.455	-1.654	-1254.507	1
1005_1006	1005	1006	192.425	-35.116	-0.056	-0.99	-0.029	1572.051	1
1006_1006	1006	1006	-172.428	-22.501	0.081	-0.094	-0.887	-1407.431	1
1006_1007	1006	1007	200.67	-34.728	-0.031	-0.364	-1.208	1639	1
1007_1007	1007	1007	-187.197	-27.61	0.072	0.276	0.087	-1528.132	1
1007_1008	1007	1008	202.537	-30.091	-0.019	-0.759	-2.174	1654.193	1
1008_1008	1008	1008	-194.575	-28.153	0.092	-0.329	0.919	-1588.741	1
1008_1009	1008	1009	203.12	-30.072	-0.035	-0.144	-3.454	1658.806	1
1009_1009	1009	1009	-199.732	-32.97	0.081	0.026	2.151	-1631.06	1
1009_1010	1009	1010	198.111	-25.644	-0.021	-0.51	-4.441	1618.041	1
1010_1010	1010	1010	-198.457	-33.285	0.113	-0.72	3.164	-1621.137	1
1010_1011	1010	1011	192.312	-25.585	-0.049	0.235	-5.815	1570.714	1
1011_1011	1011	1011	-195.681	-37.937	0.101	-0.008	4.684	-1598.824	1
1011_1012	1011	1012	181.648	-21.328	-0.033	-0.466	-6.781	1483.909	1
1012_1012	1012	1012	-187.215	-38.576	0.14	-0.504	5.902	-1530.341	1
1012_1013	1012	1013	169.891	-20.717	-0.056	-0.066	-8.045	1388.115	1
1013_1013	1013	1013	-177.323	-43.143	0.124	-0.644	7.636	-1450.14	1
1013_1014	1013	1014	154.765	-16.711	-0.029	0.061	-8.545	1264.879	1
1014_1014	1014	1014	-162.246	-44.894	0.005	-0.664	8.906	-1327.879	1
1014_1015	1014	1015	131.83	-13.835	0.041	0.038	-7.837	1077.871	1
1015_1015	1015	1015	-150.257	-51.08	-0.011	-0.45	5.714	-1145.666	1
1015_1016	1015	1016	127.056	-11.099	0.029	0.157	-4.929	990.617	1
1016_1016	1016	1016	-129.7	-52.64	-0.209	-0.366	5.423	-1025.628	1
1016_1017	1016	1017	97.088	-9.153	0.151	0.062	-3.071	843.111	1
1017_1017	1017	1017	-94.095	-57.107	-0.212	-0.563	2.745	-859.528	1
1017_1018	1017	1018	61.092	-5.926	0.11	0.181	-1.909	661.407	1
1018_1018	1018	1018	-53.353	-60.688	0.464	-0.418	0.003	-633.527	1
1018_1019	1018	1019	33.591	-3.183	-0.12	0.102	-4.164	464.822	1
1019_1019	1019	1019	-21.931	-65.055	0.396	-0.62	5.402	-400.863	1
1019_1020	1019	1020	20.872	-1.67	-0.026	0.197	-4.024	366.4	1
1020_1020	1020	1020	-113.845	-10.685	-0.796	-0.088	25.914	-446.243	1
1020_1021	1020	1021	74.878	-51.412	0.604	-0.204	-11.737	319.763	1
1021_1021	1021	1021	-117.17	-12.899	-0.601	0.018	13.57	-494.627	1
1021_1022	1021	1022	84.164	-47.826	0.419	-0.205	-4.67	395.312	1
1022_1022	1022	1022	-119.22	-15.092	-0.576	-0.007	8.296	-534.233	1
1022_1023	1022	1023	92.027	-44.268	0.361	-0.189	-0.944	464.449	1
1023_1023	1023	1023	-120.393	-17.096	-0.105	-0.074	3.326	-568.794	1
1023_1024	1023	1024	99.664	-41.252	0.029	-0.129	-0.176	528.194	1
1024_1024	1024	1024	-120.812	-19.745	-0.093	-0.039	2.079	-597.575	1
1024_1025	1024	1025	105.462	-37.429	0.014	-0.161	0.346	575.19	1
1025_1025	1025	1025	-120.2	-22.699	-0.074	-0.076	1.018	-617.486	1
1025_1026	1025	1026	109.405	-33.669	-0.007	-0.126	0.584	605.145	1
1026_1026	1026	1026	-118.947	-24.332	-0.036	-0.048	0.213	-629.162	1
1026_1027	1026	1027	112.176	-32.744	-0.007	-0.135	0.643	623.712	1
1027_1027	1027	1027	-118.059	-26.806	-0.021	-0.134	-0.1	-635.947	1
1027_1028	1027	1028	113.754	-29.957	-0.02	-0.051	0.585	631.813	1
1028_1028	1028	1028	-116.73	-29.467	-0.017	-0.1	-0.297	-637.031	1
1028_1029	1028	1029	114.334	-27.281	-0.025	-0.088	0.463	630.737	1
1029_1029	1029	1029	-114.44	-32.234	-0.01	-0.086	-0.429	-629.118	1
1029_1030	1029	1030	114.443	-24.781	-0.031	-0.1	0.265	623.836	1
1030_1030	1030	1030	-110.993	-33.251	-0.002	-0.165	-0.478	-610.963	1
1030_1031	1030	1031	114.557	-23.154	-0.071	-0.027	-0.385	611.453	1
1031_1031	1031	1031	-106.063	-36.978	0.014	-0.147	-0.339	-580.93	1
1031_1032	1031	1032	113.942	-20.162	-0.084	-0.054	-1.258	590.421	1
1032_1032	1032	1032	-99.308	-40.787	0.027	-0.109	0.025	-534.066	1
1032_1033	1032	1033	112.196	-17.464	-0.096	-0.093	-2.328	559.779	1
1033_1033	1033	1033	-90.707	-43.835	0.358	-0.185	0.602	-470.481	1
1033_1034	1033	1034	109.551	-15.325	-0.576	-0.119	-7.207	522.071	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1034_1034	1034	1034	-81.794	-47.421	0.421	-0.166	4.17	-400.765	1
1034_1035	1034	1035	105.972	-13.067	-0.597	-0.11	-12.335	478.296	1
1035_1035	1035	1035	-71.014	-51.05	0.67	-0.452	11.189	-325.497	1
1035_1036	1035	1036	100.216	-10.8	-0.859	0.184	-24.908	425.745	1
1036_1036	1036	1036	-23.637	-6.524	-0.051	-0.091	0.668	-317.187	1
1036_1037	1036	1037	-6.36	-61.677	0.328	-0.58	-4.211	294.302	1
1037_1037	1037	1037	-24.52	-6.681	-0.049	-0.122	-0.085	-252.928	1
1037_1038	1037	1038	16.998	-57.668	0.392	-0.453	0.382	480.356	1
1038_1038	1038	1038	-39.154	-7.489	0.117	0.139	1.462	-589.334	1
1038_1039	1038	1039	47.886	-54.302	-0.196	-0.537	-2.208	658.401	1
1039_1039	1039	1039	-66.874	-10.367	0.153	0.095	2.72	-732.641	1
1039_1040	1039	1040	75.587	-50.465	-0.179	-0.415	-4.435	786.822	1
1040_1040	1040	1040	-88.864	-12.235	0.035	0.094	4.53	-845.502	1
1040_1041	1040	1041	91.562	-49.174	-0.076	-0.381	-5.118	881.004	1
1041_1041	1041	1041	-115	-14.512	0.021	0.054	2.352	-854.091	1
1041_1042	1041	1042	128.863	-42.551	-0.034	-0.284	-3.08	960.344	1
1042_1042	1042	1042	-132.128	-17.419	0.003	0.017	2.88	-974.316	1
1042_1043	1042	1043	143.634	-40.528	-0.006	-0.244	-3.169	1051.262	1
1043_1043	1043	1043	-143.432	-21.486	0.002	-0.01	3.032	-1051.062	1
1043_1044	1043	1044	153.1	-35.782	-0.005	-0.218	-3.213	1107.094	1
1044_1044	1044	1044	-151.528	-22.943	-0.004	-0.052	3.128	-1104.21	1
1044_1045	1044	1045	160.79	-34.16	0	-0.177	-3.192	1150.528	1
1045_1045	1045	1045	-158.293	-27.384	-0.006	-0.086	3.145	-1146.671	1
1045_1046	1045	1046	162.775	-29.475	0.001	-0.143	-3.149	1156.971	1
1046_1046	1046	1046	-160.19	-28.789	0	-0.138	3.122	-1156.223	1
1046_1047	1046	1047	163.157	-28.023	-0.005	-0.09	-3.181	1152.445	1
1047_1047	1047	1047	-160.694	-33.471	0	-0.166	3.176	-1155.346	1
1047_1048	1047	1048	158.323	-23.536	-0.004	-0.063	-3.18	1114.048	1
1048_1048	1048	1048	-155.527	-34.973	-0.001	-0.178	3.207	-1117.413	1
1048_1049	1048	1049	151.898	-22.091	0	-0.057	-3.128	1064.765	1
1049_1049	1049	1049	-148.633	-39.747	-0.004	-0.273	3.226	-1067.662	1
1049_1050	1049	1050	141.822	-17.959	0.002	0.039	-2.992	991.143	1
1050_1050	1050	1050	-136.158	-41.696	-0.029	-0.26	3.176	-981.746	1
1050_1051	1050	1051	125.85	-15.03	0.017	0.018	-2.521	875.12	1
1051_1051	1051	1051	-108.938	-48.368	-0.038	-0.436	3.024	-871.422	1
1051_1052	1051	1052	106.807	-12.458	0.017	0.153	-2.67	832.441	1
1052_1052	1052	1052	-92.97	-49.876	-0.112	-0.374	2.686	-781.916	1
1052_1053	1052	1053	83.382	-10.377	0.086	0.067	-1.613	725.96	1
1053_1053	1053	1053	-57.332	-54.259	-0.161	-0.782	1.794	-698.081	1
1053_1054	1053	1054	47.882	-7.351	0.087	0.228	-1.242	619.209	1
1054_1054	1054	1054	-27.25	-57.886	0.33	-0.602	-0.248	-514.685	1
1054_1055	1054	1055	35.699	-4.859	-0.014	-0.143	1.057	219.287	1
1055_1055	1055	1055	-4.049	-62.292	0.283	-0.73	3.697	-322.32	1
1055_1056	1055	1056	35.27	-4.179	-0.016	-0.145	0.848	265.887	1
1056_1056	1056	1056	-109.734	-11.193	-0.54	-0.11	16.933	-466.325	1
1056_1057	1056	1057	83.321	-50.702	0.424	-0.322	-7.659	392.871	1
1057_1057	1057	1057	-114.571	-13.623	-0.472	-0.047	10.018	-535.851	1
1057_1058	1057	1058	91.651	-47.329	0.339	-0.366	-3.318	477.632	1
1058_1058	1058	1058	-118.016	-15.93	-0.462	0.038	5.905	-586.111	1
1058_1059	1058	1059	99.051	-43.853	0.299	-0.412	-0.347	549.175	1
1059_1059	1059	1059	-120.288	-17.901	-0.07	-0.073	1.95	-628.901	1
1059_1060	1059	1060	106.106	-40.97	0.02	-0.367	0.151	614.314	1
1060_1060	1060	1060	-121.735	-20.617	-0.056	-0.13	1.102	-664.611	1
1060_1061	1060	1061	111.377	-37.254	0.006	-0.305	0.449	661.31	1
1061_1061	1061	1061	-121.986	-23.602	-0.042	-0.22	0.429	-689.434	1
1061_1062	1061	1062	114.912	-33.605	-0.009	-0.221	0.55	690.446	1
1062_1062	1062	1062	-121.44	-25.219	-0.027	-0.078	-0.065	-704.326	1
1062_1063	1062	1063	117.378	-32.721	-0.004	-0.333	0.574	708.135	1
1063_1063	1063	1063	-120.976	-27.68	-0.016	-0.224	-0.29	-712.782	1
1063_1064	1063	1064	118.743	-30.018	-0.013	-0.179	0.504	714.927	1
1064_1064	1064	1064	-120.011	-30.298	-0.012	-0.18	-0.426	-714.686	1
1064_1065	1064	1065	119.191	-27.408	-0.018	-0.223	0.383	712.133	1
1065_1065	1065	1065	-118.09	-33.013	-0.002	-0.347	-0.511	-706.83	1
1065_1066	1065	1066	119.17	-24.961	-0.029	-0.065	0.17	702.895	1
1066_1066	1066	1066	-115.056	-33.869	-0.004	-0.258	-0.501	-688.018	1
1066_1067	1066	1067	119.142	-23.386	-0.046	-0.162	-0.324	687.334	1
1067_1067	1067	1067	-110.772	-37.518	0.011	-0.343	-0.397	-657.533	1
1067_1068	1067	1068	118.419	-20.422	-0.059	-0.081	-0.991	662.211	1
1068_1068	1068	1068	-104.76	-41.233	0.02	-0.267	-0.1	-609.228	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1068_1069	1068	1069	116.636	-17.74	-0.066	-0.164	-1.777	626.913	1
1069_1069	1069	1069	-96.987	-44.094	0.304	-0.413	0.352	-543.245	1
1069_1070	1069	1070	114.041	-15.795	-0.47	0.039	-5.762	584.736	1
1070_1070	1070	1070	-88.955	-47.56	0.345	-0.366	3.328	-470.884	1
1070_1071	1070	1071	110.496	-13.525	-0.48	-0.046	-9.91	535.735	1
1071_1071	1071	1071	-79.896	-50.938	0.443	-0.318	7.916	-386.55	1
1071_1072	1071	1072	105.556	-11.155	-0.564	-0.118	-17.344	469.957	1
1072_1072	1072	1072	-15.669	-5.625	-0.027	-0.092	1.375	-242.564	1
1072_1073	1072	1073	0.48	-62.022	0.284	-0.76	-3.689	345.846	1
1073_1073	1073	1073	-16.332	-5.695	-0.026	-0.155	0.952	-189.778	1
1073_1074	1073	1074	25.368	-57.892	0.33	-0.624	0.284	548.437	1
1074_1074	1074	1074	-43.284	-7.321	0.088	0.238	1.255	-626.322	1
1074_1075	1074	1075	58.057	-54.588	-0.17	-0.804	-1.86	744.474	1
1075_1075	1075	1075	-79.961	-10.148	0.086	0.066	1.622	-739.883	1
1075_1076	1075	1076	97.626	-50.467	-0.121	-0.368	-2.866	838.45	1
1076_1076	1076	1076	-105.088	-11.975	0.023	0.137	2.695	-857.233	1
1076_1077	1076	1077	116.21	-49.185	-0.033	-0.418	-3.204	939.87	1
1077_1077	1077	1077	-109.898	-14.613	0.033	0.042	4.162	-956.942	1
1077_1078	1077	1078	127.414	-43.664	-0.036	-0.537	-5.21	1109.302	1
1078_1078	1078	1078	-126.151	-17.168	-0.001	0.089	4.848	-1090.637	1
1078_1079	1078	1079	140.975	-42.044	0.019	-0.566	-5.072	1209.902	1
1079_1079	1079	1079	-137.62	-20.973	-0.011	-0.004	4.937	-1182.454	1
1079_1080	1079	1080	150.218	-37.693	0.025	-0.466	-4.802	1277.173	1
1080_1080	1080	1080	-146.638	-22.177	-0.002	-0.032	4.789	-1252.746	1
1080_1081	1080	1081	158.067	-36.519	0.01	-0.439	-4.727	1333.284	1
1081_1081	1081	1081	-154.632	-26.254	-0.008	-0.139	4.761	-1313.439	1
1081_1082	1081	1082	161.314	-32.216	0.015	-0.328	-4.565	1354.364	1
1082_1082	1082	1082	-158.719	-27.206	0.006	-0.106	4.606	-1343.344	1
1082_1083	1082	1083	163.347	-30.944	0.001	-0.378	-4.603	1365.622	1
1083_1083	1083	1083	-161.957	-31.753	-0.001	-0.394	4.645	-1365.61	1
1083_1084	1083	1084	160.217	-26.436	0.008	-0.091	-4.522	1337.624	1
1084_1084	1084	1084	-159.988	-32.959	0.022	-0.249	4.552	-1347.96	1
1084_1085	1084	1085	156.337	-25.553	-0.013	-0.23	-4.718	1303.728	1
1085_1085	1085	1085	-156.892	-37.28	0.014	-0.56	4.764	-1321.53	1
1085_1086	1085	1086	148.548	-21.52	-0.005	0.072	-4.754	1239.619	1
1086_1086	1086	1086	-149.17	-38.299	0.02	-0.381	4.855	-1259.924	1
1086_1087	1086	1087	139.964	-20.492	-0.005	-0.101	-4.812	1168.551	1
1087_1087	1087	1087	-140.3	-42.638	0.011	-0.648	5.035	-1189.319	1
1087_1088	1087	1088	128.665	-16.722	0.005	0.158	-4.647	1075.365	1
1088_1088	1088	1088	-127.154	-44.23	-0.013	-0.625	5.049	-1086.07	1
1088_1089	1088	1089	113.176	-14.421	0.008	0.155	-4.358	946.323	1
1089_1089	1089	1089	-105.853	-49.799	-0.014	-0.547	4.168	-979.555	1
1089_1090	1089	1090	98.12	-11.862	0.006	0.096	-3.707	899.081	1
1090_1090	1090	1090	-89.249	-51.169	-0.15	-0.64	3.963	-872.503	1
1090_1091	1090	1091	74.921	-9.861	0.112	0.156	-2.281	770.817	1
1091_1091	1091	1091	-59.689	-55.274	-0.194	-0.696	2.65	-730.733	1
1091_1092	1091	1092	45.443	-6.777	0.104	0.181	-1.647	613.521	1
1092_1092	1092	1092	-27.689	-58.626	0.394	-0.54	0.127	-529.795	1
1092_1093	1092	1093	20.221	-5.82	-0.017	-0.162	-0.178	219.508	1
1093_1093	1093	1093	-3.283	-62.937	0.342	-0.716	4.817	-321.29	1
1093_1094	1093	1094	17.102	-5.718	-0.017	-0.09	-0.575	267.813	1
1094_1094	1094	1094	-109.848	-11.167	-0.612	-0.081	19.122	-467.589	1
1094_1095	1094	1095	83.101	-50.56	0.476	-0.335	-8.583	395.62	1
1095_1095	1095	1095	-111.522	-13.641	-0.673	0.029	14.132	-548.655	1
1095_1096	1095	1096	88.692	-47.251	0.479	-0.447	-4.615	492.072	1
1096_1096	1096	1096	-114.535	-15.978	-0.636	-0.173	8.268	-600.644	1
1096_1097	1096	1097	95.367	-43.673	0.406	-0.292	-0.551	565.268	1
1097_1097	1097	1097	-116.372	-17.961	-0.098	-0.117	2.81	-644.734	1
1097_1098	1097	1098	101.702	-40.813	0.022	-0.3	0.102	631.711	1
1098_1098	1098	1098	-117.453	-20.726	-0.076	-0.202	1.625	-681.7	1
1098_1099	1098	1099	106.423	-37.082	0.001	-0.225	0.456	679.777	1
1099_1099	1099	1099	-117.379	-23.782	-0.065	-0.127	0.709	-707.208	1
1099_1100	1099	1100	109.482	-33.419	-0.015	-0.29	0.564	709.129	1
1100_1100	1100	1100	-116.514	-25.129	-0.002	-0.839	0	-721.941	1
1100_1101	1100	1101	111.741	-32.98	-0.046	0.675	0.335	728.032	1
1101_1101	1101	1101	-115.888	-27.594	0.004	-0.906	-0.084	-730.809	1
1101_1102	1101	1102	112.953	-30.248	-0.053	0.63	0	735.557	1
1102_1102	1102	1102	-114.808	-30.227	-0.058	0.736	-0.098	-732.988	1
1102_1103	1102	1103	113.462	-27.607	0.003	-1.011	-0.05	734.374	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1103_1103	1103	1103	-113.006	-32.961	-0.041	0.543	-0.427	-726.433	1
1103_1104	1103	1104	113.484	-25.128	-0.013	-0.714	-0.236	726.098	1
1104_1104	1104	1104	-110.119	-33.37	-0.019	-0.225	-0.584	-708.254	1
1104_1105	1104	1105	113.615	-23.798	-0.062	-0.196	-0.977	712.52	1
1105_1105	1105	1105	-106.287	-37.034	0.004	-0.321	-0.452	-680.449	1
1105_1106	1105	1106	112.959	-20.73	-0.082	-0.096	-1.996	687.786	1
1106_1106	1106	1106	-100.768	-40.764	0.019	-0.249	-0.014	-633.706	1
1106_1107	1106	1107	111.181	-17.951	-0.095	-0.17	-3.217	651.479	1
1107_1107	1107	1107	-93.634	-43.65	0.416	-0.406	0.672	-568.68	1
1107_1108	1107	1108	108.601	-15.954	-0.651	0.011	-8.858	607.489	1
1108_1108	1108	1108	-86.173	-47.214	0.474	-0.358	4.877	-496.37	1
1108_1109	1108	1109	104.933	-13.59	-0.666	-0.073	-14.74	555.409	1
1109_1109	1109	1109	-79.71	-50.553	0.484	-0.303	9.002	-401.403	1
1109_1110	1109	1110	102.277	-11.085	-0.621	-0.095	-20.071	474.394	1
1110_1110	1110	1110	-15.639	-3.017	-0.013	-0.062	-0.061	-170.257	1
1110_1111	1110	1111	-1.753	-60.943	0.359	-0.786	-5.822	354.6	1
1111_1111	1111	1111	-20.59	-5.162	-0.148	0.086	4.57	-463.168	1
1111_1112	1111	1112	21.21	-56.655	0.416	-0.557	-0.995	545.354	1
1112_1112	1112	1112	-41.263	-7.877	0.09	0.219	2.217	-634.411	1
1112_1113	1112	1113	50.956	-53.296	-0.161	-0.763	-3.186	726.244	1
1113_1113	1113	1113	-69.216	-10.97	0.095	0.092	2.621	-778.679	1
1113_1114	1113	1114	78.179	-49.288	-0.117	-0.602	-4.044	848.385	1
1114_1114	1114	1114	-90.254	-12.894	0.015	0.331	3.834	-893.611	1
1114_1115	1114	1115	93.035	-48.09	-0.028	-0.812	-4.345	942.884	1
1115_1115	1115	1115	-114.476	-15.361	0.01	-0.005	3.383	-877.528	1
1115_1116	1115	1116	124.124	-41.957	-0.013	-0.333	-3.923	973.321	1
1116_1116	1116	1116	-128.509	-17.785	-0.013	0.035	3.68	-983.498	1
1116_1117	1116	1117	136.25	-40.472	0.025	-0.35	-3.676	1055.089	1
1117_1117	1117	1117	-138.208	-21.688	-0.02	-0.016	3.607	-1055.294	1
1117_1118	1117	1118	143.748	-35.983	0.031	-0.299	-3.315	1105.41	1
1118_1118	1118	1118	-144.886	-22.712	-0.015	0.009	3.364	-1104.82	1
1118_1119	1118	1119	150.09	-34.924	0.02	-0.336	-3.076	1147.332	1
1119_1119	1119	1119	-150.73	-26.888	-0.023	-0.173	3.182	-1147.225	1
1119_1120	1119	1120	151.401	-30.474	0.027	-0.156	-2.742	1155.477	1
1120_1120	1120	1120	-152.371	-27.731	-0.013	-0.156	2.863	-1160.492	1
1120_1121	1120	1121	151.575	-29.323	0.016	-0.167	-2.542	1155.38	1
1121_1121	1121	1121	-153.244	-32.41	-0.017	-0.205	2.658	-1167.616	1
1121_1122	1121	1122	146.224	-24.684	0.02	-0.121	-2.286	1118.165	1
1122_1122	1122	1122	-148.515	-33.613	-0.003	-0.253	2.377	-1136.982	1
1122_1123	1122	1123	140.448	-23.853	0.006	-0.071	-2.24	1077.272	1
1123_1123	1123	1123	-142.901	-38.064	-0.007	-0.306	2.297	-1099.724	1
1123_1124	1123	1124	130.655	-19.737	0.01	-0.023	-2.127	1008.742	1
1124_1124	1124	1124	-132.344	-39.069	0.006	-0.287	2.164	-1029.365	1
1124_1125	1124	1125	120.459	-18.782	0	-0.049	-2.154	935.985	1
1125_1125	1125	1125	-120.742	-43.539	-0.001	-0.423	2.213	-951.43	1
1125_1126	1125	1126	107.885	-15.001	0.008	0.082	-2.031	845.112	1
1126_1126	1126	1126	-104.634	-45.023	-0.048	-0.381	2.16	-842.971	1
1126_1127	1126	1127	92.146	-13.027	0.045	0.044	-1.366	728.558	1
1127_1127	1127	1127	-85.78	-50.305	-0.05	-0.286	1.254	-705.181	1
1127_1128	1127	1128	82.017	-10.553	0.04	0.069	-0.897	660.087	1
1128_1128	1128	1128	-67.144	-51.196	-0.118	-0.271	0.803	-602.388	1
1128_1129	1128	1129	59.896	-9.055	0.088	0.024	0.083	554.033	1
1129_1129	1129	1129	-31.727	-55.295	-0.154	-0.604	-0.755	-500.393	1
1129_1130	1129	1130	32.745	-6.451	-0.058	-0.075	-1.233	244.63	1
1130_1130	1130	1130	-3.213	-58.372	0.313	-0.46	-2.608	-308.301	1
1130_1131	1130	1131	30.956	-5.961	-0.025	-0.115	-1.621	300.501	1
1131_1131	1131	1131	17.12	-62.564	0.284	-0.489	1.435	-115.049	1
1131_1132	1131	1132	26.549	-5.738	-0.024	-0.016	-1.965	349.426	1
1132_1132	1132	1132	-98.97	-8.861	-0.396	-0.408	11.617	-339.287	1
1132_1133	1132	1133	73.2	-51.31	0.355	0.188	-5.788	300.645	1
1133_1133	1133	1133	-106.12	-11.543	-0.372	-0.185	6.909	-413.878	1
1133_1134	1133	1134	84.17	-47.43	0.302	0.006	-2.374	385.821	1
1134_1134	1134	1134	-110.766	-14.146	-0.455	0.661	3.778	-469.986	1
1134_1135	1134	1135	93.341	-43.709	0.328	-0.558	0.525	464.513	1
1135_1135	1135	1135	-114.419	-15.56	-0.007	-0.078	0.051	-519.564	1
1135_1136	1135	1136	102.354	-40.965	-0.015	-0.123	0.488	538.381	1
1136_1136	1136	1136	-117.484	-18.519	-0.009	0.033	-0.12	-565.246	1
1136_1137	1136	1137	108.803	-36.818	-0.013	-0.226	0.413	591.38	1
1137_1137	1137	1137	-118.931	-21.776	0	-0.013	-0.257	-598.576	1

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1137_1138	1137	1138	112.779	-32.767	-0.02	-0.164	0.258	623.648	1
1138_1138	1138	1138	-119.179	-23.407	-0.004	-0.055	-0.28	-620.415	1
1138_1139	1138	1139	115.448	-32.011	-0.008	-0.128	0.178	643.422	1
1139_1139	1139	1139	-119.366	-26.109	0.005	-0.155	-0.292	-634.661	1
1139_1140	1139	1140	116.615	-29.007	-0.014	-0.027	0.052	650.846	1
1140_1140	1140	1140	-118.764	-29.005	0.006	-0.136	-0.249	-641.209	1
1140_1141	1140	1141	116.492	-26.119	-0.015	-0.054	-0.085	647.31	1
1141_1141	1141	1141	-116.88	-32.018	0.002	0.013	-0.189	-636.858	1
1141_1142	1141	1142	115.652	-23.43	-0.011	-0.191	-0.203	636.451	1
1142_1142	1142	1142	-113.53	-32.868	-0.007	-0.207	-0.134	-620.472	1
1142_1143	1142	1143	114.324	-21.817	-0.017	0.024	-0.438	617.817	1
1143_1143	1143	1143	-108.513	-36.899	-0.003	-0.189	-0.084	-591.796	1
1143_1144	1143	1144	111.795	-18.547	-0.021	-0.012	-0.741	587.497	1
1144_1144	1144	1144	-101.108	-41.015	-0.002	-0.082	0.033	-542.969	1
1144_1145	1144	1145	107.723	-15.587	-0.02	-0.121	-1.065	545.046	1
1145_1145	1145	1145	-91.356	-44.073	0.233	-0.255	0.2	-474.108	1
1145_1146	1145	1146	102.779	-13.53	-0.335	0.065	-3.869	495.434	1
1146_1146	1146	1146	-81.052	-47.916	0.26	-0.235	2.397	-398.07	1
1146_1147	1146	1147	96.427	-11.013	-0.339	0.021	-6.733	437.477	1
1147_1147	1147	1147	-68.417	-51.792	0.304	-0.258	5.276	-314.054	1
1147_1148	1147	1148	86.823	-8.409	-0.361	-0.085	-10.829	364.353	1
1148_1148	1148	1148	-30.818	-3.526	-0.013	-0.037	0.437	-255.306	1
1148_1149	1148	1149	-20.093	-58.489	0.216	-0.501	-1.964	229.541	1
1149_1149	1149	1149	-9.337	-5.98	-0.07	0.043	1.855	-368.985	1
1149_1150	1149	1150	-0.976	-54.217	0.254	-0.434	1.194	394.623	1
1150_1150	1150	1150	-26.575	-8.618	0.057	0.092	0.399	-514.85	1
1150_1151	1150	1151	24.78	-50.994	-0.115	-0.518	-0.136	552.157	1
1151_1151	1151	1151	-57.124	-11.469	0.065	0.042	0.67	-596.36	1
1151_1152	1151	1152	57.214	-46.99	-0.086	-0.248	-1.094	617.113	1
1152_1152	1152	1152	-76.108	-13.145	0.025	0.029	1.362	-683.031	1
1152_1153	1152	1153	72.126	-46.063	-0.047	-0.219	-1.464	697.178	1
1153_1153	1153	1153	-92.847	-15.642	0.025	0.021	1.332	-713.128	1
1153_1154	1153	1154	94.984	-40.289	-0.038	-0.171	-1.763	768.867	1
1154_1154	1154	1154	-103.422	-17.967	-0.004	-0.005	1.736	-792.775	1
1154_1155	1154	1155	106.491	-38.414	0	-0.148	-1.74	839.022	1
1155_1155	1155	1155	-111.107	-22.044	-0.007	-0.025	1.736	-849.063	1
1155_1156	1155	1156	113.037	-33.693	0.003	-0.129	-1.673	877.906	1
1156_1156	1156	1156	-115.638	-23.454	-0.003	-0.041	1.676	-883.652	1
1156_1157	1156	1157	118.053	-32.55	-0.002	-0.113	-1.681	906.111	1
1157_1157	1157	1157	-118.947	-27.491	-0.007	-0.071	1.673	-908.333	1
1157_1158	1157	1158	118.928	-28.33	0.001	-0.084	-1.651	908.357	1
1158_1158	1158	1158	-118.662	-28.562	0.002	-0.084	1.625	-909.724	1
1158_1159	1158	1159	119.133	-27.272	-0.006	-0.07	-1.709	905.043	1
1159_1159	1159	1159	-117.703	-32.779	-0.002	-0.114	1.675	-905.396	1
1159_1160	1159	1160	115.694	-23.236	-0.003	-0.04	-1.72	878.322	1
1160_1160	1160	1160	-112.638	-33.936	0.003	-0.149	1.683	-875.252	1
1160_1161	1160	1161	110.994	-21.851	-0.008	0	-1.798	841.559	1
1161_1161	1161	1161	-106.016	-38.637	0.004	-0.12	1.763	-834.123	1
1161_1162	1161	1162	103.064	-17.77	-0.007	-0.028	-1.845	783.054	1
1162_1162	1162	1162	-94.455	-40.627	-0.048	-0.179	1.844	-762.104	1
1162_1163	1162	1163	91.935	-15.342	0.033	0.03	-1.332	699.643	1
1163_1163	1163	1163	-72.566	-46.371	-0.054	-0.196	1.312	-680.548	1
1163_1164	1163	1164	76.176	-12.82	0.03	0.012	-1.222	661.415	1
1164_1164	1164	1164	-57.353	-47.397	-0.082	-0.252	0.902	-598.753	1
1164_1165	1164	1165	56.775	-11.09	0.064	0.058	-0.564	572.103	1
1165_1165	1165	1165	-27.765	-51.344	-0.098	-0.365	-0.02	-512.564	1
1165_1166	1165	1166	28.545	-8.177	0.049	0.047	-0.274	473.305	1
1166_1166	1166	1166	-0.685	-54.757	0.212	-0.334	-1.142	-355.312	1
1166_1167	1166	1167	10.403	-5.492	-0.058	0.044	-1.509	330.675	1
1167_1167	1167	1167	19.485	-59.06	0.179	-0.382	1.516	-189.521	1
1167_1168	1167	1168	36.422	-3.783	-0.011	-0.026	-0.471	284.348	1
1168_1168	1168	1168	-90.604	-8.537	-0.309	-0.063	9.132	-347.049	1
1168_1169	1168	1169	70.68	-51.694	0.261	-0.208	-4.484	295.765	1
1169_1169	1169	1169	-99.732	-11.088	-0.251	0.036	4.896	-419.341	1
1169_1170	1169	1170	83.212	-47.908	0.194	-0.227	-1.754	380.659	1
1170_1170	1170	1170	-106.242	-13.552	-0.249	0.077	2.787	-474.933	1
1170_1171	1170	1171	93.907	-44.117	0.174	-0.244	-0.124	455.849	1
1171_1171	1171	1171	-111.444	-15.695	-0.027	-0.091	0.717	-523.034	1
1171_1172	1171	1172	103.97	-40.944	0.005	-0.105	0.042	523.664	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1172_1172	1172	1172	-115.551	-18.61	-0.027	0.015	0.399	-563.832	1
1172_1173	1172	1173	111.52	-36.89	0.004	-0.205	0.154	572.392	1
1173_1173	1173	1173	-118.089	-21.827	-0.02	-0.031	0.109	-593.34	1
1173_1174	1173	1174	116.604	-32.911	-0.004	-0.152	0.176	602.01	1
1174_1174	1174	1174	-119.397	-23.527	-0.002	-0.146	-0.093	-611.998	1
1174_1175	1174	1175	119.972	-31.977	-0.003	-0.024	0.16	619.383	1
1175_1175	1175	1175	-120.17	-26.189	-0.005	-0.018	-0.119	-622.898	1
1175_1176	1175	1176	121.837	-29.016	0	-0.161	0.154	625.375	1
1176_1176	1176	1176	-120.191	-29.043	-0.001	-0.105	-0.158	-626.893	1
1176_1177	1176	1177	122.336	-26.164	-0.004	-0.07	0.118	620.826	1
1177_1177	1177	1177	-118.855	-32.008	0	-0.08	-0.169	-620.344	1
1177_1178	1177	1178	122.059	-23.504	-0.005	-0.091	0.075	609.308	1
1178_1178	1178	1178	-116.002	-32.961	-0.002	-0.135	-0.168	-602.288	1
1178_1179	1178	1179	121.456	-21.816	-0.021	-0.058	-0.138	590.208	1
1179_1179	1179	1179	-111.618	-36.936	0.005	-0.183	-0.132	-571.814	1
1179_1180	1179	1180	119.605	-18.608	-0.028	-0.013	-0.439	560.353	1
1180_1180	1180	1180	-104.76	-40.993	0.009	-0.152	-0.003	-522.185	1
1180_1181	1180	1181	116.168	-15.709	-0.032	-0.048	-0.792	519.328	1
1181_1181	1181	1181	-95.457	-44.2	0.172	-0.243	0.201	-453.521	1
1181_1182	1181	1182	111.752	-13.585	-0.244	0.085	-2.826	471.438	1
1182_1182	1182	1182	-85.435	-47.975	0.192	-0.229	1.818	-377.586	1
1182_1183	1182	1183	105.958	-11.148	-0.246	0.046	-4.889	416.415	1
1183_1183	1183	1183	-73.967	-51.712	0.24	-0.187	4.274	-290.372	1
1183_1184	1183	1184	98.263	-8.624	-0.282	-0.076	-8.498	342.89	1
1184_1184	1184	1184	-24.694	-5.939	-0.014	-0.067	0.665	-286.42	1
1184_1185	1184	1185	-13.939	-61.029	0.166	-0.375	-1.278	164.414	1
1185_1185	1185	1185	-28.298	-6.178	-0.016	-0.056	0.422	-236.812	1
1185_1186	1185	1186	8.553	-56.723	0.192	-0.34	1.191	348.257	1
1186_1186	1186	1186	-32.816	-7.204	0.047	0.047	0.254	-455.39	1
1186_1187	1186	1187	39.049	-53.105	-0.098	-0.366	0.085	524.431	1
1187_1187	1187	1187	-63.031	-10.134	0.062	0.06	0.53	-567.042	1
1187_1188	1187	1188	71.813	-48.959	-0.084	-0.248	-0.857	627.719	1
1188_1188	1188	1188	-85.192	-12.012	0.032	0.013	1.174	-668.137	1
1188_1189	1188	1189	89.23	-47.532	-0.057	-0.224	-1.297	719.103	1
1189_1189	1189	1189	-99.687	-14.674	0.036	0.048	1.329	-751.284	1
1189_1190	1189	1190	110.692	-41.957	-0.054	-0.243	-1.935	855.882	1
1190_1190	1190	1190	-113.977	-17.227	0.001	-0.058	1.903	-855.249	1
1190_1191	1190	1191	123.892	-39.77	-0.011	-0.154	-2.033	941.122	1
1191_1191	1191	1191	-124.266	-21.268	0.005	0.042	1.982	-928.896	1
1191_1192	1191	1192	132.084	-35.106	-0.015	-0.254	-2.175	993.315	1
1192_1192	1192	1192	-131.434	-22.903	-0.001	-0.06	2.1	-980.567	1
1192_1193	1192	1193	138.117	-33.658	-0.007	-0.161	-2.227	1030.564	1
1193_1193	1193	1193	-136.736	-26.962	-0.002	-0.09	2.152	-1018.329	1
1193_1194	1193	1194	139.859	-29.44	-0.005	-0.129	-2.261	1039.439	1
1194_1194	1194	1194	-138.213	-28.246	0.008	-0.152	2.181	-1030.309	1
1194_1195	1194	1195	140.573	-28.201	-0.016	-0.061	-2.416	1040.499	1
1195_1195	1195	1195	-138.569	-32.471	0.01	-0.113	2.333	-1033.922	1
1195_1196	1195	1196	137.563	-24.185	-0.017	-0.098	-2.559	1016.487	1
1196_1196	1196	1196	-134.661	-34.01	-0.001	-0.249	2.5	-1009.426	1
1196_1197	1196	1197	132.822	-22.522	-0.006	0.044	-2.579	979.429	1
1197_1197	1197	1197	-128.682	-38.664	0.002	-0.146	2.559	-970.393	1
1197_1198	1197	1198	124.821	-18.531	-0.009	-0.059	-2.606	919.69	1
1198_1198	1198	1198	-117.796	-40.845	-0.051	-0.261	2.642	-899.089	1
1198_1199	1198	1199	113.133	-16	0.037	0.05	-1.98	831.939	1
1199_1199	1199	1199	-98.077	-46.659	-0.057	-0.294	2.097	-777.72	1
1199_1200	1199	1200	98.198	-13.342	0.033	0.037	-1.838	753.025	1
1200_1200	1200	1200	-82.53	-48.318	-0.069	-0.368	1.641	-698.214	1
1200_1201	1200	1201	76.256	-11.17	0.053	0.104	-1.25	660.545	1
1201_1201	1201	1201	-47.878	-52.538	-0.112	-0.569	1.285	-631.225	1
1201_1202	1201	1202	42.069	-8.216	0.056	0.119	-1.412	573.428	1
1202_1202	1202	1202	-18.979	-56.23	0.295	-0.523	-0.039	-469.012	1
1202_1203	1202	1203	21.208	-5.409	-0.079	0.157	-2.882	418.89	1
1203_1203	1203	1203	3.542	-60.446	0.251	-0.608	3.497	-295.715	1
1203_1204	1203	1204	18.698	-4.01	-0.012	-0.081	-0.048	194.928	1
1204_1204	1204	1204	-101.251	-10.564	-0.465	-0.138	15.132	-424.484	1
1204_1205	1204	1205	76.054	-51.332	0.373	-0.24	-7.19	338.966	1
1205_1205	1205	1205	-107.897	-12.965	-0.42	0.078	9.257	-497.049	1
1205_1206	1205	1206	86.622	-47.854	0.309	-0.316	-3.309	427.074	1
1206_1206	1206	1206	-112.313	-15.257	-0.412	0.128	5.618	-544.235	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1206_1207	1206	1207	95.715	-44.344	0.275	-0.331	-0.581	498.417	1
1207_1207	1207	1207	-115.699	-17.262	-0.088	-0.057	2.085	-584.85	1
1207_1208	1207	1208	104.458	-41.271	0.034	-0.215	0.014	563.552	1
1208_1208	1208	1208	-118.18	-19.985	-0.075	-0.094	1.126	-618.887	1
1208_1209	1208	1209	111.162	-37.475	0.019	-0.182	0.396	611.169	1
1209_1209	1209	1209	-119.39	-22.989	-0.066	-0.044	0.338	-642.65	1
1209_1210	1209	1210	115.907	-33.743	0.007	-0.22	0.592	641.396	1
1210_1210	1210	1210	-119.774	-24.702	-0.02	-0.096	-0.306	-657.305	1
1210_1211	1210	1211	119.161	-32.707	-0.005	-0.144	0.572	659.645	1
1211_1211	1211	1211	-119.957	-27.202	-0.01	-0.19	-0.46	-665.606	1
1211_1212	1211	1212	121.148	-29.938	-0.014	-0.055	0.474	667.108	1
1212_1212	1212	1212	-119.576	-29.871	-0.007	-0.16	-0.538	-667.651	1
1212_1213	1212	1213	122.057	-27.271	-0.017	-0.092	0.334	665.057	1
1213_1213	1213	1213	-118.132	-32.633	-0.009	-0.005	-0.571	-660.219	1
1213_1214	1213	1214	122.444	-24.778	-0.015	-0.233	0.187	657.095	1
1214_1214	1214	1214	-115.494	-33.755	0.013	-0.266	-0.583	-642.44	1
1214_1215	1214	1215	122.708	-22.999	-0.073	0.015	-0.524	642.128	1
1215_1215	1215	1215	-111.417	-37.479	0.02	-0.152	-0.315	-611.781	1
1215_1216	1215	1216	122.113	-19.999	-0.076	-0.122	-1.34	618.109	1
1216_1216	1216	1216	-105.408	-41.275	0.036	-0.185	0.107	-563.911	1
1216_1217	1216	1217	120.206	-17.277	-0.09	-0.08	-2.329	583.777	1
1217_1217	1217	1217	-97.454	-44.339	0.261	-0.326	0.747	-498.628	1
1217_1218	1217	1218	117.447	-15.207	-0.4	0.096	-5.779	542.646	1
1218_1218	1218	1218	-89.03	-47.867	0.296	-0.299	3.387	-427.071	1
1218_1219	1218	1219	113.442	-12.904	-0.408	0.04	-9.343	494.719	1
1219_1219	1219	1219	-79.486	-51.307	0.339	-0.28	6.686	-336.348	1
1219_1220	1219	1220	107.743	-10.488	-0.429	-0.087	-14.148	417.828	1
1220_1220	1220	1220	-27.87	-6.503	-0.017	-0.061	-0.631	-297.344	1
1220_1221	1220	1221	-1.356	-62.774	0.256	-0.759	-2.926	265.046	1
1221_1221	1221	1221	-29.572	-6.839	-0.011	-0.206	-0.904	-238.499	1
1221_1222	1221	1222	23.073	-58.71	0.306	-0.576	0.717	457.93	1
1222_1222	1222	1222	-29.182	-7.412	-0.034	-0.155	-1.102	-177.428	1
1222_1223	1222	1223	55.303	-55.004	-0.12	-0.805	-0.824	643.405	1
1223_1223	1223	1223	-80.917	-9.88	0.057	-0.008	0.894	-657.343	1
1223_1224	1223	1224	93.287	-50.873	-0.067	-0.332	-1.395	729.04	1
1224_1224	1224	1224	-105.655	-12.401	0.028	0.203	1.515	-764.047	1
1224_1225	1224	1225	110.747	-48.749	-0.049	-0.51	-1.829	818.401	1
1225_1225	1225	1225	-111.864	-15.041	0.031	-0.062	1.927	-889.729	1
1225_1226	1225	1226	125.081	-42.394	-0.042	-0.44	-2.795	1027.348	1
1226_1226	1226	1226	-128.167	-18.825	0	0.222	2.613	-1021.386	1
1226_1227	1226	1227	137.018	-39.306	0	-0.72	-2.809	1115.766	1
1227_1227	1227	1227	-137.923	-23.127	-0.01	-0.328	2.711	-1100.774	1
1227_1228	1227	1228	143.322	-34.392	0.011	-0.153	-2.659	1162.946	1
1228_1228	1228	1228	-144.037	-25.738	0.003	-0.001	2.631	-1152.26	1
1228_1229	1228	1229	146.551	-31.726	-0.009	-0.462	-2.756	1186.68	1
1229_1229	1229	1229	-147.196	-30.458	-0.003	-0.375	2.723	-1181.429	1
1229_1230	1229	1230	144.36	-27.003	-0.003	-0.082	-2.756	1170.57	1
1230_1230	1230	1230	-144.903	-33.287	-0.022	-0.187	2.743	-1170.777	1
1230_1231	1230	1231	139.717	-24.376	0.027	-0.274	-2.365	1134.716	1
1231_1231	1231	1231	-139.442	-38.18	-0.032	-0.545	2.478	-1136.056	1
1231_1232	1231	1232	130.934	-20.088	0.035	0.081	-1.852	1067.092	1
1232_1232	1232	1232	-128.435	-41.224	-0.062	-0.243	2.046	-1060.819	1
1232_1233	1232	1233	123.151	-18.429	0.067	-0.216	-1.113	1005.518	1
1233_1233	1233	1233	-117.643	-45.111	-0.074	-0.537	1.353	-985.134	1
1233_1234	1233	1234	111.765	-14.934	0.068	0.086	-0.299	915.319	1
1234_1234	1234	1234	-99.886	-49.611	-0.144	-0.698	0.594	-876.915	1
1234_1235	1234	1235	106.259	-13.999	0.121	0.427	-0.141	894.453	1
1235_1235	1235	1235	-93.705	-49.818	0.153	-0.287	0.086	-841.795	1
1235_1236	1235	1236	92.955	-12.654	-0.149	0.005	-1.341	836.875	1
1236_1236	1236	1236	-77.147	-52.534	0.151	-0.391	1.145	-763.976	1
1236_1237	1236	1237	75.918	-10.277	-0.132	0.104	-2.728	744.578	1
1237_1237	1237	1237	-42.013	-55.92	0.224	-1.2	4.017	-717.662	1
1237_1238	1237	1238	52.785	-9.738	-0.182	0.615	-5.032	771.476	1
1238_1238	1238	1238	-31.628	-52.829	-0.705	-0.814	5.126	-653.062	1
1238_1239	1238	1239	35.526	-9.824	0.794	-0.074	3.654	660.478	1
1239_1239	1239	1239	-12.611	-56.221	-0.763	-0.765	-2.89	-524.631	1
1239_1240	1239	1240	20.214	-7.393	0.772	-0.102	12.118	524.227	1
1240_1240	1240	1240	2.275	-52.634	1.446	-2.894	-12.271	-377.183	1
1240_1241	1240	1241	11.256	-10.861	-1.293	2.336	-3.753	401.165	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1241_1241	1241	1241	-118.747	-16.904	0.604	1.989	10.048	-624.471	1
1241_1242	1241	1242	90.973	-46.521	-0.464	-2.196	-12.269	483.043	1
1242_1242	1242	1242	-120.267	-19.515	0.571	1.884	14.642	-656.266	1
1242_1243	1242	1243	93.069	-45.367	-0.433	-1.963	-12.511	503.282	1
1243_1243	1243	1243	-120.052	-17.059	-0.756	-0.007	16.291	-666.533	1
1243_1244	1243	1244	100.956	-45.544	0.607	-0.568	-5.303	587.061	1
1244_1244	1244	1244	-122.193	-19.596	-0.727	-0.296	8.729	-708.371	1
1244_1245	1244	1245	109.326	-41.342	0.492	-0.347	1.133	665.627	1
1245_1245	1245	1245	-123.123	-22.068	-0.153	-0.109	0.501	-740.458	1
1245_1246	1245	1246	116.013	-38.007	0.106	-0.542	2.418	721.743	1
1246_1246	1246	1246	-123.11	-25.274	-0.118	-0.424	-1.421	-761.409	1
1246_1247	1246	1247	120.912	-33.965	0.067	-0.252	3.164	756.311	1
1247_1247	1247	1247	-122.497	-28.117	-0.002	-0.248	-2.901	-771.012	1
1247_1248	1247	1248	124.344	-31.04	0.021	-0.397	3.17	772.784	1
1248_1248	1248	1248	-121.545	-31.659	0.011	-0.403	-3.125	-770.647	1
1248_1249	1248	1249	126.651	-27.026	0.007	-0.259	2.958	770.301	1
1249_1249	1249	1249	-118.561	-35.326	0.356	-0.217	-3.24	-745.972	1
1249_1250	1249	1250	128.313	-23.83	-0.459	-0.49	-2.23	754.766	1
1250_1250	1250	1250	-113.991	-39.649	0.444	-0.584	0.946	-700.462	1
1250_1251	1250	1251	128.991	-20.888	-0.477	-0.066	-6.909	730.023	1
1251_1251	1251	1251	-108.075	-39.737	0.019	-0.236	5.796	-638.246	1
1251_1252	1251	1252	130.81	-20.688	-0.357	-0.393	-10.521	710.956	1
1252_1252	1252	1252	-103.292	-43.8	0.117	-0.418	7.299	-577.576	1
1252_1253	1252	1253	130.107	-17.267	-0.463	-0.13	-16.339	666.951	1
1253_1253	1253	1253	-97.204	-48.181	0.191	-0.232	10.445	-490.529	1
1253_1254	1253	1254	130.007	-16.367	-0.459	-0.27	-17.625	648.605	1
1254_1254	1254	1254	-95.368	-45.65	-0.149	-3.13	11.688	-465.621	1
1254_1255	1254	1255	130.226	-18.467	0.407	3.509	-15.744	633.046	1
1255_1255	1255	1255	-13.832	-7.212	-0.695	1.509	5.157	-387.352	1
1255_1256	1255	1256	-1.749	-59.307	1.154	-2.424	-0.484	328.041	1
1256_1256	1256	1256	-22.204	-8.92	-0.799	1.426	-0.337	-492.852	1
1256_1257	1256	1257	7.623	-57.25	1.199	-2.227	7.935	424.417	1
1257_1257	1257	1257	-38.79	-6.344	-0.017	-0.123	-0.641	-246.912	1
1257_1258	1257	1258	26.209	-59.514	0.038	-0.694	8.011	586.269	1
1258_1258	1258	1258	-48.134	-8.127	0.106	-0.016	-5.905	-712.309	1
1258_1259	1258	1259	53.009	-55.543	0.095	-0.719	9.192	763.944	1
1259_1259	1259	1259	-86.99	-10.291	0.322	0.101	-4.01	-776.796	1
1259_1260	1259	1260	93.495	-52.569	-0.43	-0.428	1.388	813.833	1
1260_1260	1260	1260	-108.836	-13.093	0.358	0.042	-0.952	-874.809	1
1260_1261	1260	1261	112.051	-49.062	-0.419	-0.355	-2.742	917.048	1
1261_1261	1261	1261	-128.04	-15.873	0.292	0.081	1.861	-900.062	1
1261_1262	1261	1262	121.988	-47.674	-0.314	-0.346	-3.106	894.746	1
1262_1262	1262	1262	-131.467	-16.122	-0.006	0.185	2.813	-925.092	1
1262_1263	1262	1263	136.563	-44.313	0.008	-0.525	-3.09	993.936	1
1263_1263	1263	1263	-142.496	-19.466	-0.012	-0.086	2.85	-1004.829	1
1263_1264	1263	1264	147.904	-39.826	0.017	-0.257	-2.924	1071.683	1
1264_1264	1264	1264	-151.285	-21.891	-0.004	0.1	2.782	-1070.189	1
1264_1265	1264	1265	156	-37.045	0.01	-0.442	-2.834	1127.577	1
1265_1265	1265	1265	-158.248	-25.864	-0.013	-0.224	2.785	-1122.575	1
1265_1266	1265	1266	159.303	-32.724	0.02	-0.112	-2.595	1151.907	1
1266_1266	1266	1266	-161.189	-28.357	-0.01	-0.066	2.631	-1148.381	1
1266_1267	1266	1267	159.553	-30.041	0.026	-0.262	-2.279	1155.605	1
1267_1267	1267	1267	-161.512	-32.667	-0.02	-0.278	2.462	-1156.658	1
1267_1268	1267	1268	155.425	-25.927	0.035	-0.049	-1.826	1130.02	1
1268_1268	1268	1268	-157.146	-35.46	-0.035	-0.162	2.126	-1134.099	1
1268_1269	1268	1269	147.777	-22.714	0.056	-0.177	-1.02	1079.866	1
1269_1269	1269	1269	-148.263	-40.434	-0.05	-0.431	1.467	-1082.205	1
1269_1270	1269	1270	137.691	-19.013	0.065	0.098	-0.208	1012.23	1
1270_1270	1270	1270	-135.46	-43.914	0.231	-0.227	0.655	-1003.614	1
1270_1271	1270	1271	128.375	-16.851	-0.212	-0.084	-2.145	948.587	1
1271_1271	1271	1271	-122.914	-47.371	0.231	-0.403	2.673	-925.039	1
1271_1272	1271	1272	115.411	-13.766	-0.185	0.086	-4.04	858.785	1
1272_1272	1272	1272	-94.517	-51.719	0.308	-0.741	6.979	-880.089	1
1272_1273	1272	1273	99.668	-12.744	-0.232	0.378	-6.248	896.183	1
1273_1273	1273	1273	-86.452	-47.697	-0.16	-0.345	8.136	-829.676	1
1273_1274	1273	1274	88.473	-14.519	0.048	-0.029	-5.326	839.924	1
1274_1274	1274	1274	-71.349	-50.414	-0.151	-0.499	6.67	-753.848	1
1274_1275	1274	1275	74.01	-12.393	0.028	0.127	-4.742	775.79	1
1275_1275	1275	1275	-43.023	-53.219	-0.226	-1.433	8.255	-739.999	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1275_1276	1275	1276	54.428	-11.794	0.042	0.838	-6.94	807.201	1
1276_1276	1276	1276	-34.759	-50.193	-1.4	-0.908	7.307	-692.708	1
1276_1277	1276	1277	36.168	-11.623	1.369	-0.101	9.457	696.213	1
1277_1277	1277	1277	-14.845	-53.869	-1.448	-0.673	-9.611	-574.189	1
1277_1278	1277	1278	18.536	-8.595	1.277	-0.29	25.18	539.742	1
1278_1278	1278	1278	3.139	-51.311	2.602	-3.621	-28.873	-415.447	1
1278_1279	1278	1279	10.578	-12.206	-2.07	3.044	3.625	435.603	1
1279_1279	1279	1279	-115.778	-17.622	1.221	1.846	-0.896	-662.112	1
1279_1280	1279	1280	86.266	-46.421	-0.824	-1.933	-7.12	477.369	1
1280_1280	1280	1280	-116.581	-19.966	1.078	1.601	9.46	-671.028	1
1280_1281	1280	1281	90.5	-44.407	-0.68	-1.577	-9.422	506.006	1
1281_1281	1281	1281	-108.219	-19.905	-1.164	0.053	28.035	-718.994	1
1281_1282	1281	1282	92.712	-41.612	0.49	-0.545	-6.316	-619.179	1
1282_1282	1282	1282	-107.428	-23.512	-1.012	-0.365	12.518	-741.249	1
1282_1283	1282	1283	100.031	-36.888	0.217	-0.227	-0.867	682.179	1
1283_1283	1283	1283	-105	-24.522	-0.006	-0.114	0.447	-740.446	1
1283_1284	1283	1284	107.844	-33.971	0.033	-0.554	-0.42	735.811	1
1284_1284	1284	1284	-104.927	-29.046	0.027	-0.563	0.497	-752.101	1
1284_1285	1284	1285	113.292	-29.674	-0.007	-0.103	-0.287	756.14	1
1285_1285	1285	1285	-103.735	-31.002	-0.126	-0.114	0.78	-738.582	1
1285_1286	1285	1286	119.126	-27.509	-0.196	-0.562	-2.204	769.137	1
1286_1286	1286	1286	-102.995	-35.564	-0.014	-0.498	0.165	-717.714	1
1286_1287	1286	1287	123.525	-23.769	-0.311	-0.11	-5.847	762.078	1
1287_1287	1287	1287	-100.734	-37.52	0.121	-0.164	1.476	-670.909	1
1287_1288	1287	1288	130.225	-21.749	-0.455	-0.552	-13.027	758.366	1
1288_1288	1288	1288	-98.587	-42.926	0.261	-0.487	5.985	-604.584	1
1288_1289	1288	1289	133.829	-18.436	-0.59	-0.024	-21.322	733.532	1
1289_1289	1289	1289	-95.485	-45.441	-0.486	-0.999	12.253	-522.48	1
1289_1290	1289	1290	135.208	-19.18	1.004	0.98	-18.088	725.628	1
1290_1290	1290	1290	-94.9	-47.023	-0.538	-1.322	11.781	-502.295	1
1290_1291	1290	1291	138.013	-16.653	1.107	1.346	-9.675	713.79	1
1291_1291	1291	1291	-15.299	-6.779	-1.328	2.2	-4.812	-439.15	1
1291_1292	1291	1292	10.787	-62.392	2.185	-3.381	18.94	485.068	1
1292_1292	1292	1292	-22.852	-4.21	0.815	0.124	-15.652	-561.382	1
1292_1293	1292	1293	33.399	-63.544	-0.764	-0.988	8.588	772.202	1
1293_1293	1293	1293	-41.849	-6.488	0.841	-0.365	-6.541	-796.684	1
1293_1294	1293	1294	57.08	-60.29	-0.697	-0.504	0.583	1007.288	1
1294_1294	1294	1294	-61.261	-8.886	0.03	1.082	1.872	-995.04	1
1294_1295	1294	1295	71.895	-58.4	-0.152	-1.805	-0.251	1148.384	1
1295_1295	1295	1295	-86.263	-10.428	0.031	-0.015	1.141	-1032.258	1
1295_1296	1295	1296	100.291	-55.724	-0.103	-0.327	-0.98	1190.23	1
1296_1296	1296	1296	-98.125	-12.347	0.045	-0.187	1.192	-1142.357	1
1296_1297	1296	1297	114.345	-52.793	-0.107	-0.182	-2.042	1339.357	1
1297_1297	1297	1297	-109.669	-13.054	0.056	0.666	1.579	-1272.688	1
1297_1298	1297	1298	120.461	-53.255	-0.025	-1.093	-2.239	1407.584	1
1298_1298	1298	1298	-97.261	-14.232	0.082	0.597	2.806	-1434.515	1
1298_1299	1298	1299	111.666	-50.831	-0.016	-1.289	-3.863	1655.173	1
1299_1299	1299	1299	-106.218	-16.583	0.067	-0.717	3.502	-1563.825	1
1299_1300	1299	1300	123.447	-46.734	0.016	0.042	-3.846	1820.948	1
1300_1300	1300	1300	-117.54	-18.28	-0.053	0.847	4.131	-1727.063	1
1300_1301	1300	1301	134.365	-44.368	0.094	-1.643	-2.682	1973.678	1
1301_1301	1301	1301	-129.101	-22.299	-0.078	-1.108	3.165	-1892.765	1
1301_1302	1301	1302	140.591	-40.372	0.111	0.473	-1.407	2059.894	1
1302_1302	1302	1302	-136.763	-23.591	-0.034	0.941	1.9	-2002.48	1
1302_1303	1302	1303	145.701	-38.109	0.067	-1.687	-0.628	2129.084	1
1303_1303	1303	1303	-144.287	-28.006	-0.057	-1.691	1.052	-2109.595	1
1303_1304	1303	1304	146.326	-34.081	0.086	1.017	0.27	2134.936	1
1304_1304	1304	1304	-147.377	-29.08	-0.063	0.634	0.054	-2153.654	1
1304_1305	1304	1305	144.614	-31.94	0.086	-1.247	1.172	2106.08	1
1305_1305	1305	1305	-149.248	-33.594	-0.082	-1.689	-1.088	-2179.617	1
1305_1306	1305	1306	138.895	-27.583	0.099	0.979	2.091	2020.536	1
1306_1306	1306	1306	-147.194	-34.687	-0.086	0.346	-2.298	-2149.867	1
1306_1307	1306	1307	130.333	-25.62	0.094	-0.847	2.786	1893.343	1
1307_1307	1307	1307	-143.216	-39.035	-0.099	-1.619	-3.414	-2091.902	1
1307_1308	1307	1308	115.786	-20.435	0.099	0.826	3.501	1680.165	1
1308_1308	1308	1308	-134.288	-41.007	-0.064	-0.008	-4.687	-1963.414	1
1308_1309	1308	1309	97.502	-17.302	0.091	-0.451	3.794	1412.921	1
1309_1309	1309	1309	-122.641	-45.874	-0.083	-1.85	-5.344	-1795.467	1
1309_1310	1309	1310	72.72	-11.687	0.088	0.757	3.834	1052.217	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1310_1310	1310	1310	-105.365	-49.128	0.228	-0.535	-6.225	-1547.264	1
1310_1311	1310	1311	44.543	-7.169	-0.072	-0.058	1.439	644.117	1
1311_1311	1311	1311	-82.304	-54.876	0.194	-1.69	-3.152	-1215.998	1
1311_1312	1311	1312	-2.013	-6.084	0.09	-0.352	-3.424	-62.448	1
1312_1312	1312	1312	-52.034	-60.458	0.042	-0.95	-0.749	-781.937	1
1312_1313	1312	1313	3.709	-5.844	0.181	-0.389	0	15.932	1
1400_1020	1400	1020	51.044	-21.291	14.322	0.895	-103.684	-671.474	1
1400_1401	1400	1401	-41.463	-2.188	2.742	0.127	-31.126	-189.604	1
1401_1401	1401	1401	50.546	-20.434	3.585	-0.992	-44.614	-584.484	1
1401_1402	1401	1402	-39.491	-2.324	2.027	-0.629	-22.213	-176.858	1
1402_1402	1402	1402	51.019	-19.208	3.623	0.212	-31.99	-513.187	1
1402_1403	1402	1403	-50.473	-3.425	2.706	0.076	0.393	-162.87	1
1403_1403	1403	1403	48.136	-17.117	-0.444	-0.121	6.544	-298.537	1
1403_1404	1403	1404	-58.377	-5.161	0.067	-0.136	1.118	-134.52	1
1404_1404	1404	1404	48.519	-15.992	-0.469	-0.304	3.304	-175.119	1
1404_1405	1404	1405	-63.791	-6.594	0.08	-0.262	1.997	-93.424	1
1405_1405	1405	1405	47.284	-13.981	-0.043	-0.238	-0.413	-57.876	1
1405_1406	1405	1406	-73.321	-9.14	-0.178	-0.233	-0.614	33.205	1
1406_1406	1406	1406	46.022	-12.176	-0.065	-0.214	-1.126	149.211	1
1406_1407	1406	1407	-79.821	-11.937	-1.141	-0.309	-10.881	136.318	1
1407_1407	1407	1407	46.267	-11.209	-0.087	-0.043	-1.646	257.12	1
1407_1408	1407	1408	-81.103	-13.615	-1.075	-0.016	-16.64	209.206	1
1408_1408	1408	1408	44.457	-20.644	1.01	-0.155	-3.355	298.475	1
1408_1409	1408	1409	22.767	-0.195	-1.303	0.955	9.085	-74.313	1
1409_1409	1409	1409	-27.706	-0.382	0.631	1.267	-12.363	91.798	1
1409_1410	1409	1410	-46.833	-20.66	1.078	-0.223	4.729	-290.163	1
1410_1410	1410	1410	91.34	-14.157	0.451	0.193	-6.235	-212.216	1
1410_1411	1410	1411	-46.536	-10.997	-0.14	0.158	1.428	-259.103	1
1411_1411	1411	1411	89.312	-12.268	0.245	0.034	-3.196	-135.579	1
1411_1412	1411	1412	-46.671	-11.971	-0.082	-0.322	1.041	-151.139	1
1412_1412	1412	1412	92.087	-9.207	0.022	0.092	-0.134	-28.652	1
1412_1413	1412	1413	-47.389	-13.79	-0.048	-0.221	0.145	50.133	1
1413_1413	1413	1413	91.694	-6.294	-0.344	0.165	0.84	100.072	1
1413_1414	1413	1414	-49.679	-15.819	-0.326	-0.189	-2.58	169.766	1
1414_1414	1414	1414	84.527	-4.217	-0.298	0.098	-1.839	138.844	1
1414_1415	1414	1415	-49.968	-16.986	-0.359	-0.245	-5.191	293.85	1
1415_1415	1415	1415	71.149	-1.844	-2.14	-0.428	-3.784	147.096	1
1415_1416	1415	1416	-53.432	-19.047	3.843	-1.163	35.738	505.252	1
1416_1416	1416	1416	33.125	-0.542	2.403	0.191	28.845	99.727	1
1416_1417	1416	1417	-52.929	-20.305	4.344	3.323	49.405	576.058	1
1417_1417	1417	1417	32.313	-0.43	2.783	0.197	36.754	99.294	1
1417_1036	1417	1036	-53.46	-21.059	14.29	1.016	108.814	661.911	1
1420_1056	1420	1056	55.371	-20.091	13.951	0.743	-87.322	-610.623	1
1420_1421	1420	1421	-32.5	-1.109	1.855	0.083	-22.595	-127.763	1
1421_1421	1421	1421	54.675	-19.185	2.55	-0.284	-29.626	-529.053	1
1421_1422	1421	1422	-32.437	-1.223	1.609	-0.345	-16.557	-123.499	1
1422_1422	1422	1422	55.112	-17.882	2.528	0.002	-20.794	-462.18	1
1422_1423	1422	1423	-41.62	-2.11	2.153	-0.002	1.977	-120.271	1
1423_1423	1423	1423	51.434	-15.703	-0.433	-0.083	5.76	-264.546	1
1423_1424	1423	1424	-52.939	-3.647	-0.151	-0.094	1.623	-108.652	1
1424_1424	1424	1424	51.219	-14.528	-0.472	-0.293	2.527	-150.116	1
1424_1425	1424	1425	-57.606	-4.897	-0.122	-0.259	0.946	-78.626	1
1425_1425	1425	1425	49.307	-12.418	0.059	-0.199	-1.174	-40.827	1
1425_1426	1425	1426	-84.94	-7.536	-0.007	0.095	0.212	17.822	1
1426_1426	1426	1426	48.774	-10.523	-0.085	-0.301	-0.565	140.15	1
1426_1427	1426	1427	-82.156	-10.338	-0.148	0.025	-0.249	107.543	1
1427_1427	1427	1427	48.983	-9.502	-0.171	0.176	-1.117	233.375	1
1427_1428	1427	1428	-84.168	-12.089	0.074	0.232	0.7	172.714	1
1428_1428	1428	1428	46.479	-19.535	0.745	-0.209	-3.164	275.867	1
1428_1429	1428	1429	24.511	-0.636	0.87	1.525	12.89	-72.837	1
1429_1429	1429	1429	-23.135	-0.813	0.165	1.356	-11.501	64.874	1
1429_1430	1429	1430	-46.767	-19.542	0.84	-0.254	4.174	-275.325	1
1430_1430	1430	1430	84.258	-11.778	0.3	0.166	-4.02	-166.157	1
1430_1431	1430	1431	-49.274	-9.447	-0.204	0.104	1.943	-233.317	1
1431_1431	1431	1431	82.012	-10.041	0.116	0.062	-1.775	-102.962	1
1431_1432	1431	1432	-49.067	-10.47	-0.14	-0.271	0.85	-140.582	1
1432_1432	1432	1432	66.231	-7.448	0.052	-0.211	-1.742	-23.736	1
1432_1433	1432	1433	-49.731	-12.358	0.046	-0.198	1.177	39.484	1
1433_1433	1433	1433	57.115	-5.151	-0.095	-0.305	-1.113	78.825	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1433_1434	1433	1434	-51.833	-14.469	-0.486	-0.347	-2.657	148.329	1
1434_1434	1434	1434	52.991	-3.887	-0.168	-0.054	-1.65	111.236	1
1434_1435	1434	1435	-52.065	-15.681	-0.411	-0.023	-5.774	262.704	1
1435_1435	1435	1435	43.034	-2.371	2.396	-0.041	-2.252	127.16	1
1435_1436	1435	1436	-55.84	-17.891	2.521	-0.133	20.713	460.58	1
1436_1436	1436	1436	33.246	-1.48	1.743	-0.24	18.304	132.461	1
1436_1437	1436	1437	-55.401	-19.196	2.609	0.191	29.576	527.453	1
1437_1437	1437	1437	32.597	-1.374	2.001	0.087	24.35	135.82	1
1437_1072	1437	1072	-55.885	-20.219	13.904	0.725	87.398	609.477	1
1440_1094	1440	1094	56.481	-19.734	13.468	0.832	-76.455	-592.622	1
1440_1441	1440	1441	-27.299	-1.281	1.861	0.075	-14.158	-119.766	1
1441_1441	1441	1441	56.471	-18.818	1.923	-0.359	-21.548	-511.781	1
1441_1442	1441	1442	-27.25	-1.387	1.051	-0.284	-10.242	-114.923	1
1442_1442	1442	1442	56.165	-17.471	1.883	0.004	-14.483	-446.521	1
1442_1443	1442	1443	-36.555	-2.169	1.529	-0.038	2.119	-111.731	1
1443_1443	1443	1443	52.067	-15.239	-0.405	-0.216	4.905	-253.352	1
1443_1444	1443	1444	-46.832	-3.584	-0.147	-0.178	1.54	-98.546	1
1444_1444	1444	1444	52.397	-14.047	-0.398	-0.241	1.992	-143.636	1
1444_1445	1444	1445	-81.878	-4.76	0.047	0.177	-0.333	-84.31	1
1445_1445	1445	1445	50.008	-11.916	0.063	-0.234	-1.191	-37.24	1
1445_1446	1445	1446	-84.798	-7.418	-0.034	0.119	0.046	17.026	1
1446_1446	1446	1446	49.289	-9.998	0.04	-0.277	-0.595	136.882	1
1446_1447	1446	1447	-84.324	-10.289	-0.074	0.069	0.232	104.889	1
1447_1447	1447	1447	49.184	-8.986	-0.019	0.066	-0.022	226.901	1
1447_1448	1447	1448	-85.477	-12.031	0.084	0.217	0.976	170.318	1
1448_1448	1448	1448	49.29	-19.149	0.868	0.156	-1.445	253.304	1
1448_1449	1448	1449	25.234	-0.811	0.141	1.904	10.605	-73.101	1
1449_1449	1449	1449	-25.099	-0.672	-1.45	1.921	-10.45	73.104	1
1449_1450	1449	1450	-46.52	-19.065	0.701	-0.076	2.312	-265.959	1
1450_1450	1450	1450	75.234	-11.515	-1.469	-0.103	19.346	-169.282	1
1450_1451	1450	1451	-48.983	-9.04	-0.028	-0.183	0.99	-225.313	1
1451_1451	1451	1451	73.954	-9.974	-1.453	-0.297	11.242	-107.499	1
1451_1452	1451	1452	-48.787	-10.045	-0.042	-0.134	0.586	-136.335	1
1452_1452	1452	1452	66.716	-7.36	0.083	-0.25	-1.66	-22.791	1
1452_1453	1452	1453	-49.391	-11.936	0.061	-0.235	1.18	38.037	1
1453_1453	1453	1453	56.826	-5.032	-0.183	-0.242	-0.58	77.65	1
1453_1454	1453	1454	-51.532	-14.06	-0.403	-0.256	-2.043	144.812	1
1454_1454	1454	1454	52.093	-3.813	-0.159	-0.18	-1.679	108.16	1
1454_1455	1454	1455	-51.213	-15.187	-0.399	-0.199	-4.917	253.878	1
1455_1455	1455	1455	41.849	-2.174	1.768	-0.067	-2.352	122.628	1
1455_1456	1455	1456	-55.026	-17.456	1.835	-0.087	14.005	447.529	1
1456_1456	1456	1456	32.682	-1.298	1.32	-0.259	13.186	126.477	1
1456_1457	1456	1457	-54.6	-18.743	1.879	-0.021	20.45	512.931	1
1457_1457	1457	1457	32.755	-1.187	1.76	0.086	18.28	130.997	1
1457_1110	1457	1110	-55.186	-19.736	13.42	0.813	75.881	593.282	1
1460_1132	1460	1132	65.107	-22.005	12.657	0.861	-73.662	-636.974	1
1460_1461	1460	1461	-22.202	-3.319	1.557	0.099	-14.323	-138.807	1
1461_1461	1461	1461	63.852	-20.92	1.747	-0.721	-21.459	-549.304	1
1461_1462	1461	1462	-22.136	-3.367	1.108	-0.369	-10.094	-127.064	1
1462_1462	1462	1462	59.266	-19.412	1.65	0.093	-13.864	-482.041	1
1462_1463	1462	1463	-26.188	-3.939	1.311	-0.01	2.292	-90.919	1
1463_1463	1463	1463	58.078	-16.599	-0.482	-0.41	4.973	-270.667	1
1463_1464	1463	1464	-31.478	-4.745	-0.17	-0.204	1.944	-61.704	1
1464_1464	1464	1464	54.088	-15.305	-0.314	0.007	1.547	-150.217	1
1464_1465	1464	1465	-33.778	-5.497	-0.291	-0.076	0.071	-24.331	1
1465_1465	1465	1465	52.77	-12.99	0.025	-0.246	-1.07	-39.145	1
1465_1466	1465	1466	-105.989	-7.291	0.019	0.058	0.71	-33.189	1
1466_1466	1466	1466	49.084	-11.022	0.005	0.016	-0.873	151.55	1
1466_1467	1466	1467	-107.965	-11.027	-0.659	0.052	-4.234	59.792	1
1467_1467	1467	1467	48.557	-10.025	0.07	-0.431	-1.162	249.885	1
1467_1468	1467	1468	-110.496	-13.268	-0.883	0.033	-9.183	130.327	1
1468_1468	1468	1468	62.985	-21.04	1.41	-0.431	3.584	253.157	1
1468_1469	1468	1469	34.953	-2.453	-0.026	0.679	5.086	-50.048	1
1469_1469	1469	1469	-27.799	-2.349	0.364	0.445	-4.478	25.226	1
1469_1470	1469	1470	-54.87	-20.878	1.239	-0.553	-2.416	-277.585	1
1470_1470	1470	1470	59.424	-12.288	0.241	-0.291	-3.682	-240.03	1
1470_1471	1470	1471	-48.448	-10.321	0.073	-0.309	0.476	-249.292	1
1471_1471	1471	1471	58.811	-11.076	0.293	-0.063	-2.309	-173.128	1
1471_1472	1471	1472	-48.226	-11.316	0.028	-0.06	0.608	-149.082	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1472_1472	1472	1472	54.103	-8.919	-0.044	-0.19	0.299	-78.056	1
1472_1473	1472	1473	-50.913	-13.31	0.067	-0.249	1.366	45.892	1
1473_1473	1473	1473	49.259	-7.007	-0.176	-0.205	-0.257	48.223	1
1473_1474	1473	1474	-54.857	-15.506	-0.442	-0.274	-2.115	159.833	1
1474_1474	1474	1474	45.461	-5.919	-0.156	-0.152	-1.345	94.988	1
1474_1475	1474	1475	-54.493	-16.753	-0.437	-0.208	-5.272	280.435	1
1475_1475	1475	1475	40.306	-4.502	1.433	-0.007	-2.093	131.662	1
1475_1476	1475	1476	-59.527	-19.108	1.848	0.079	14.022	486.229	1
1476_1476	1476	1476	35.87	-3.578	1.272	-0.417	11.947	172.377	1
1476_1477	1476	1477	-60.316	-20.542	1.843	-0.611	20.828	556.177	1
1477_1477	1477	1477	35.954	-3.463	1.481	0.102	16.885	184.866	1
1477_1148	1477	1148	-61.471	-21.504	14.481	0.869	80.172	642.423	1
1480_1168	1480	1168	62.235	-21.646	15.164	0.989	-81.394	-645.452	1
1480_1481	1480	1481	-30.541	-2.618	1.551	0.116	-14.127	-147.412	1
1481_1481	1481	1481	61.41	-20.654	1.709	-1.463	-19.894	-559.05	1
1481_1482	1481	1482	-30.464	-2.736	1.15	-0.589	-9.942	-137.848	1
1482_1482	1482	1482	57.355	-19.225	1.751	0.373	-12.406	-491.973	1
1482_1483	1482	1483	-33.704	-3.498	1.182	0.074	1.988	-105.325	1
1483_1483	1483	1483	55.132	-16.867	-0.489	-0.209	6.034	-282.399	1
1483_1484	1483	1484	-40.077	-4.678	-0.134	-0.134	1.399	-78.148	1
1484_1484	1484	1484	51.736	-15.619	-0.454	-0.229	2.344	-158.853	1
1484_1485	1484	1485	-42.517	-5.636	-0.156	-0.163	0.4	-39.907	1
1485_1485	1485	1485	50.242	-13.434	0.046	-0.242	-1.24	-45.258	1
1485_1486	1485	1486	-48.449	-7.364	-0.084	-0.162	-0.79	63.098	1
1486_1486	1486	1486	47.83	-11.492	-0.029	0.012	-0.754	151.136	1
1486_1487	1486	1487	-52.147	-9.311	0.362	-0.005	2.376	143.973	1
1487_1487	1487	1487	47.257	-10.52	0.029	-0.438	-1.375	253.949	1
1487_1488	1487	1488	-95.998	-11.213	-0.798	0.022	-8.208	104.136	1
1488_1488	1488	1488	54.533	-20.802	1.552	-0.661	2.188	276.827	1
1488_1489	1488	1489	30.71	-2.262	0.682	0.56	7.124	-36.622	1
1489_1489	1489	1489	-31.046	-2.366	0.153	0.71	-6.053	40.174	1
1489_1490	1489	1490	-56.546	-21.076	1.592	-0.619	-2.891	-277.511	1
1490_1490	1490	1490	99.029	-11.287	-0.772	0.057	8.548	-103.749	1
1490_1491	1490	1491	-48.285	-10.479	0.037	-0.3	0.629	-255.305	1
1491_1491	1491	1491	98.638	-9.248	-0.665	0.011	4.242	-41.618	1
1491_1492	1491	1492	-48.059	-11.47	-0.008	-0.048	0.438	-153.731	1
1492_1492	1492	1492	43.705	-7.349	-0.073	-0.151	0.781	-70.86	1
1492_1493	1492	1493	-51.59	-13.447	0.07	-0.239	1.327	43.759	1
1493_1493	1493	1493	37.612	-5.792	-0.131	-0.161	-0.272	31.461	1
1493_1494	1493	1494	-53.153	-15.685	-0.424	-0.253	-2.028	157.77	1
1494_1494	1494	1494	35.218	-4.94	-0.12	-0.117	-1.096	70.603	1
1494_1495	1494	1495	-56.799	-16.974	-0.445	-0.195	-5.412	281.862	1
1495_1495	1495	1495	29.305	-3.891	0.977	-0.045	-1.601	100.399	1
1495_1496	1495	1496	-59.203	-19.343	1.743	-0.024	13.045	492.694	1
1496_1496	1496	1496	25.047	-3.25	0.781	-0.194	7.405	135.179	1
1496_1497	1496	1497	-63.463	-20.838	1.882	-0.267	20.671	560.474	1
1497_1497	1497	1497	25.075	-3.156	1.686	0.081	10.321	146.522	1
1497_1184	1497	1184	-64.883	-21.748	15.069	0.939	82.424	647.289	1
1500_1204	1500	1204	55.731	-21.806	13.772	1.306	-86.286	-674.439	1
1500_1501	1500	1501	-29.215	-0.989	1.989	0.122	-15.994	-114.864	1
1501_1501	1501	1501	56.077	-20.821	2.629	-0.185	-29.884	-585.186	1
1501_1502	1501	1502	-29.171	-1.086	1.113	-0.256	-11.981	-111.092	1
1502_1502	1502	1502	56.564	-19.455	2.594	-0.034	-20.811	-512.54	1
1502_1503	1502	1503	-39.03	-1.933	1.578	-0.049	1.101	-111.983	1
1503_1503	1503	1503	52.435	-17.312	-0.478	-0.265	6.622	-297.107	1
1503_1504	1503	1504	-51.01	-3.401	-0.005	-0.187	1.55	-101.732	1
1504_1504	1504	1504	52.243	-16.091	-0.465	-0.308	3.117	-170.68	1
1504_1505	1504	1505	-56.771	-4.674	-0.04	-0.23	1.581	-75.039	1
1505_1505	1505	1505	49.967	-14.015	-0.02	-0.315	-0.529	-49.178	1
1505_1506	1505	1506	-83.39	-7.279	-0.034	0.099	-0.209	13.578	1
1506_1506	1506	1506	49.218	-12.118	-0.158	-0.328	-1.073	155.264	1
1506_1507	1506	1507	-82.879	-10.106	0.294	0.075	3.206	99.486	1
1507_1507	1507	1507	49.456	-11.104	-0.203	-0.006	-2.351	262.584	1
1507_1508	1507	1508	-82.653	-11.808	0.385	0.111	5.394	165.119	1
1508_1508	1508	1508	46.308	-21.183	1.035	-0.43	-4.791	312.541	1
1508_1509	1508	1509	28.348	-1.028	-1.883	2.1	11.976	-74.7	1
1509_1509	1509	1509	-28.443	-1.105	0.801	2.224	-12.449	74.838	1
1509_1510	1509	1510	-49.157	-21.331	1.29	-0.448	5.634	-299.718	1
1510_1510	1510	1510	89.561	-12.069	0.426	0.168	-5.575	-161.855	1

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1510_1511	1510	1511	-49.962	-11.112	-0.247	0.144	1.818	-263.2	1
1511_1511	1511	1511	86.932	-10.267	0.186	0.04	-2.557	-97.767	1
1511_1512	1511	1512	-49.724	-12.136	-0.162	-0.395	0.605	-155.732	1
1512_1512	1512	1512	89.394	-7.282	0.016	0.093	-0.153	-9.454	1
1512_1513	1512	1513	-50.542	-14.047	0.024	-0.309	0.66	49.073	1
1513_1513	1513	1513	54.382	-4.785	-0.059	-0.247	-1.207	73.37	1
1513_1514	1513	1514	-53.687	-16.162	-0.437	-0.342	-2.767	172.471	1
1514_1514	1514	1514	49.436	-3.586	-0.042	-0.18	-1.376	101.825	1
1514_1515	1514	1515	-53.3	-17.405	-0.43	-0.253	-5.885	297.938	1
1515_1515	1515	1515	37.754	-2.161	1.362	-0.029	-1.232	114.762	1
1515_1516	1515	1516	-58.015	-19.554	2.562	0.115	21.153	514.5	1
1516_1516	1516	1516	29.224	-1.355	0.958	-0.346	9.715	119.59	1
1516_1517	1516	1517	-57.529	-20.955	2.526	-0.753	30.061	587.604	1
1517_1517	1517	1517	29.198	-1.242	2.849	0.114	13.084	124.329	1
1517_1220	1517	1220	-58.563	-21.752	13.83	1.269	87.102	676.247	1
1520_1241	1520	1241	68.986	-24.466	4.185	4.315	-25.333	-736.823	1
1520_1521	1520	1521	-37.824	-1.767	1.842	1.786	-6.469	-153.173	1
1521_1521	1521	1521	66.542	-23.157	0.901	1.626	-7.031	-638.234	1
1521_1522	1521	1522	-34.743	-1.687	0.272	0.23	-5.085	-141.109	1
1522_1522	1522	1522	67.075	-21.574	0.674	-0.362	-4.465	-557.586	1
1522_1523	1522	1523	-44.866	-2.627	0.557	-0.211	-0.711	-134.635	1
1523_1523	1523	1523	64.953	-19.082	-0.212	-0.15	2.384	-318.357	1
1523_1524	1523	1524	-56.033	-4.158	0.193	-0.147	0.168	-117.166	1
1524_1524	1524	1524	65.378	-17.569	-0.317	-0.492	0.737	-180.814	1
1524_1525	1524	1525	-59.749	-5.511	0.305	-0.379	2.338	-82.387	1
1525_1525	1525	1525	62.712	-15.11	-0.259	-0.416	-1.987	-47.505	1
1525_1526	1525	1526	-85.566	-8.289	-0.049	0.159	1.502	24.898	1
1526_1526	1526	1526	61.569	-12.776	-0.303	-0.6	-5.791	171.664	1
1526_1527	1526	1527	-86.844	-11.412	2.542	0.176	25.534	121.998	1
1527_1527	1527	1527	61.821	-11.494	-0.411	0.12	-8.239	284.876	1
1527_1528	1527	1528	-86.583	-13.212	2.719	-0.122	40.754	195.42	1
1528_1528	1528	1528	57.564	-24.073	2.145	-1.554	-16.986	329.938	1
1528_1529	1528	1529	28.34	-0.564	-2.991	3.466	26.679	-80.578	1
1529_1529	1529	1529	-28.571	-0.807	0.984	3.544	-26.89	79.664	1
1529_1530	1529	1530	-60.659	-24.287	0.83	1.047	-5.953	-330.923	1
1530_1530	1530	1530	95.573	-13.042	-2.126	0.62	32.535	-175.629	1
1530_1531	1530	1531	-62.204	-11.598	-0.099	0.03	-2.507	-287.518	1
1531_1531	1531	1531	93.219	-11.123	-2.27	0.052	20.987	-105.687	1
1531_1532	1531	1532	-62.661	-12.877	0.035	-0.305	-2.477	-170.42	1
1532_1532	1532	1532	64.712	-8.493	0.305	-0.37	-0.715	-29.125	1
1532_1533	1532	1533	-63.486	-15.225	0.448	-0.358	4.048	49.366	1
1533_1533	1533	1533	57.544	-6.243	0.333	-0.359	3.387	90.295	1
1533_1534	1533	1534	-66.871	-17.76	0.41	-0.425	7.326	184.867	1
1534_1534	1534	1534	52.24	-4.951	0.27	-0.35	5.35	127.809	1
1534_1535	1534	1535	-68.434	-19.314	0.471	-0.465	11.028	327.394	1
1535_1535	1535	1535	46.075	-3.389	0.577	-0.252	6.786	158.351	1
1535_1536	1535	1536	-68.844	-21.772	1.202	-0.359	23.637	565.026	1
1536_1536	1536	1536	37.913	-2.378	0.267	-0.118	9.483	176.273	1
1536_1537	1536	1537	-72.19	-23.499	1.4	0.112	29.567	647.245	1
1537_1537	1537	1537	38.138	-2.334	2.042	1.523	10.787	186.368	1
1537_1255	1537	1255	-72.374	-24.348	2.758	3.192	40.921	747.463	1
1540_1279	1540	1279	64.676	-24.381	5.609	5.062	-13.303	-745.566	1
1540_1541	1540	1541	-52.202	-1.54	-2.474	-1.736	-10.833	-185.811	1
1541_1541	1541	1541	67.067	-23.027	0.162	1.413	9.272	-647.041	1
1541_1542	1541	1542	-61.438	-2.111	0.912	0.428	-8.961	-196.149	1
1542_1542	1542	1542	64.997	-21.412	0.104	0.005	8.138	-560.357	1
1542_1543	1542	1543	-73.652	-3.752	1.256	0.295	2.243	-176.983	1
1543_1543	1543	1543	64.675	-19.107	-0.485	0.183	8.713	-326.263	1
1543_1544	1543	1544	-75.197	-5.598	-0.307	0.552	0.725	-145.258	1
1544_1544	1544	1544	65.104	-17.582	-0.726	-0.712	4.95	-188.525	1
1544_1545	1544	1545	-82.153	-7.461	0.044	-0.036	0.692	-96.847	1
1545_1545	1545	1545	62.884	-15.229	-0.523	-0.484	-1.017	-52.532	1
1545_1546	1545	1546	-82.737	-10.1	0.443	0.122	8.043	46.523	1
1546_1546	1546	1546	62.053	-12.962	-0.209	-0.687	-8.675	166.577	1
1546_1547	1546	1547	-82.725	-13.607	4.987	0.19	53.821	165.533	1
1547_1547	1547	1547	62.3	-11.712	-0.295	-0.052	-10.343	281.369	1
1547_1548	1547	1548	-85.332	-15.269	5.237	-0.648	84.448	247.897	1
1548_1548	1548	1548	56.569	-24.493	2.156	-2.302	-18.242	336.098	1
1548_1549	1548	1549	-26.694	-0.729	-3.194	3.379	25.887	134.356	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1549_1549	1549	1549	39.722	-1.746	1.612	5.982	-38.718	-190.999	1
1549_1550	1549	1550	-68.233	-25.706	0.448	3.978	-25.13	-320.424	1
1550_1550	1550	1550	68.267	-15.042	3.698	-0.817	-59.326	-238.317	1
1550_1551	1550	1551	-65.913	-11.186	0.351	-0.018	-10.948	-290.522	1
1551_1551	1551	1551	66.836	-13.493	3.534	-0.124	-37.821	-157.245	1
1551_1552	1551	1552	-65.637	-12.705	0.431	-0.151	-7.143	-183.513	1
1552_1552	1552	1552	60.772	-11.133	1.205	-0.475	-8.152	-47.805	1
1552_1553	1552	1553	-69.209	-15.473	0.879	-0.42	5.352	42.199	1
1553_1553	1553	1553	54.425	-8.882	0.482	-0.502	8.436	104.972	1
1553_1554	1553	1554	-73.408	-18.362	0.727	-0.576	11.264	178.215	1
1554_1554	1554	1554	52.023	-7.513	0.406	-0.583	11.391	163.208	1
1554_1555	1554	1555	-72.911	-20.243	0.806	-0.652	16.857	320.901	1
1555_1555	1555	1555	44.566	-5.794	-0.067	-0.506	13.338	206.307	1
1555_1556	1555	1556	-76.213	-23.183	0.992	-0.67	27.827	569.319	1
1556_1556	1556	1556	39.74	-4.605	-0.309	-0.166	9.883	254.083	1
1556_1557	1556	1557	-78.402	-25.36	1.185	-0.154	32.252	654.909	1
1557_1557	1557	1557	39.169	-4.205	1.345	0.504	8.956	270.119	1
1557_1291	1557	1291	-80.352	-26.41	2.14	2.194	44.828	800.965	1
41000_1000	41000	1000	-0.998	-5.541	1.188	-1.821	0	-7.989	1
41000_1001	41000	1001	-1.875	-60.554	0.843	-5.663	14.337	1016.565	1
41001_1001	41001	1001	-1	-5.541	1.186	-1.99	20.204	86.24	1
41001_1002	41001	1002	-2.236	-54.458	0.941	-8.833	26.299	1501.504	1
41002_1002	41002	1002	0.765	-7.087	0.281	1.109	-11.243	-791.043	1
41002_1003	41002	1003	-2.609	-50.489	-0.571	-5.825	20.586	1939.896	1
41003_1003	41003	1003	1.348	-12.785	0.381	3.146	-13.079	-1275.863	1
41003_1004	41003	1004	-2.862	-44.569	-0.624	-8.225	12.604	2250.795	1
41004_1004	41004	1004	1.865	-16.401	0.417	0.836	-11.813	-1729.455	1
41004_1005	41004	1005	-3.034	-42.885	-0.308	-4.414	6.195	2498.538	1
41005_1005	41005	1005	2.278	-22.458	0.41	3.246	-8.371	-2109.778	1
41005_1006	41005	1006	-3.152	-37.57	-0.282	-7.066	-0.147	2643.81	1
41006_1006	41006	1006	2.604	-24.073	0.41	-0.672	-4.491	-2366.959	1
41006_1007	41006	1007	-3.215	-37.155	-0.156	-2.602	-6.113	2756.402	1
41007_1007	41007	1007	2.854	-29.539	0.363	1.969	0.441	-2569.948	1
41007_1008	41007	1008	-3.235	-32.193	-0.097	-5.422	-11.004	2781.954	1
41008_1008	41008	1008	3.033	-30.121	0.465	-2.352	4.653	-2671.878	1
41008_1009	41008	1009	-3.218	-32.173	-0.179	-1.026	-17.483	2789.711	1
41009_1009	41009	1009	3.151	-35.274	0.408	0.184	10.884	-2743.049	1
41009_1010	41009	1010	-3.163	-27.435	-0.108	-3.638	-22.475	2721.155	1
41010_1010	41010	1010	3.216	-35.611	0.573	-5.139	16.014	-2726.36	1
41010_1011	41010	1011	-3.077	-27.373	-0.247	1.678	-29.427	2641.562	1
41011_1011	41011	1011	3.236	-40.588	0.512	-0.057	23.704	-2688.835	1
41011_1012	41011	1012	-2.959	-22.819	-0.166	-3.325	-34.32	2495.577	1
41012_1012	41012	1012	3.217	-41.271	0.707	-3.598	29.868	-2573.664	1
41012_1013	41012	1013	-2.812	-22.164	-0.282	-0.474	-40.713	2334.474	1
41013_1013	41013	1013	3.164	-46.158	0.625	-4.598	38.647	-2438.786	1
41013_1014	41013	1014	-2.623	-17.879	-0.147	0.435	-43.247	2127.221	1
41014_1014	41014	1014	3.077	-48.031	0.023	-4.739	45.073	-2233.172	1
41014_1015	41014	1015	-2.311	-14.802	0.206	0.27	-39.664	1812.719	1
41015_1015	41015	1015	3.397	-54.634	-0.087	-6.184	43.045	-1892.106	1
41015_1016	41015	1016	-2.028	-12.267	0.216	2.06	-37.129	1630.388	1
41016_1016	41016	1016	4.269	-55.659	-1.574	-4.636	40.86	-1688.01	1
41016_1017	41016	1017	-1.61	-10.475	1.137	0.588	-23.136	1369.745	1
41017_1017	41017	1017	5.681	-59.936	-1.597	-6.396	20.705	-1388.964	1
41017_1018	41017	1018	-1.213	-6.902	0.825	1.934	-14.384	1043.467	1
41018_1018	41018	1018	7.184	-63.329	3.492	-4.713	0.059	-999.482	1
41018_1019	41018	1019	-0.961	-3.771	-0.9	0.555	-31.346	714.388	1
41019_1019	41019	1019	9.054	-67.606	2.98	-5.714	40.713	-616.089	1
41019_1020	41019	1020	0.118	-2.031	-0.194	1.484	-30.621	549.779	1
41020_1020	41020	1020	-79.678	-11.505	-5.996	-1.092	195.106	-733.764	1
41020_1021	41020	1021	47.395	-55.355	4.551	-2.528	-88.372	525.791	1
41021_1021	41021	1021	-72.891	-13.94	-5.799	0.297	131.001	-839.063	1
41021_1022	41021	1022	43.47	-51.687	4.044	-3.486	-45.085	670.59	1
41022_1022	41022	1022	-67.291	-16.311	-5.557	-0.118	80.084	-906.25	1
41022_1023	41022	1023	40.377	-47.842	3.485	-3.203	-9.11	787.871	1
41023_1023	41023	1023	-61.445	-18.476	-1.015	-1.263	32.106	-964.877	1
41023_1024	41023	1024	38.131	-44.583	0.28	-2.188	-1.698	896.006	1
41024_1024	41024	1024	-55.706	-21.34	-0.897	-0.669	20.065	-1013.699	1
41024_1025	41024	1025	36.736	-40.451	0.135	-2.735	3.337	975.727	1
41025_1025	41025	1025	-50.328	-24.532	-0.716	-1.29	9.83	-1047.475	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41025_1026	41025	1026	36.232	-36.388	-0.064	-2.131	5.633	1026.541	1
41026_1026	41026	1026	-45.781	-26.297	-0.346	-0.816	2.057	-1067.283	1
41026_1027	41026	1027	36.43	-35.388	-0.071	-2.29	6.203	1058.038	1
41027_1027	41027	1027	-42.889	-28.97	-0.206	-2.276	-0.969	-1078.793	1
41027_1028	41027	1028	37.092	-32.376	-0.191	-0.858	5.65	1071.781	1
41028_1028	41028	1028	-40.575	-31.846	-0.16	-1.694	-2.871	-1080.631	1
41028_1029	41028	1029	38.236	-29.484	-0.238	-1.5	4.472	1069.954	1
41029_1029	41029	1029	-38.76	-34.837	-0.099	-1.452	-4.145	-1067.209	1
41029_1030	41029	1030	39.94	-26.782	-0.304	-1.693	2.556	1058.248	1
41030_1030	41030	1030	-37.416	-35.936	-0.015	-2.796	-4.615	-1036.412	1
41030_1031	41030	1031	42.868	-25.024	-0.682	-0.454	-3.719	1037.242	1
41031_1031	41031	1031	-36.398	-39.964	0.13	-2.5	-3.275	-985.464	1
41031_1032	41031	1032	46.579	-21.79	-0.807	-0.925	-12.147	1001.564	1
41032_1032	41032	1032	-36.272	-44.081	0.256	-1.842	0.244	-905.967	1
41032_1033	41032	1033	50.663	-18.875	-0.923	-1.575	-22.476	949.584	1
41033_1033	41033	1033	-36.98	-47.374	3.451	-3.139	5.807	-798.103	1
41033_1034	41033	1034	54.912	-16.562	-5.563	-2.013	-69.571	885.619	1
41034_1034	41034	1034	-38.562	-51.25	4.06	-2.812	40.255	-679.839	1
41034_1035	41034	1035	59.052	-14.122	-5.762	-1.871	-119.075	811.36	1
41035_1035	41035	1035	-40.902	-54.954	4.962	-5.555	82.856	-534.287	1
41035_1036	41035	1036	64.091	-11.626	-6.358	2.262	-184.442	698.839	1
41036_1036	41036	1036	-7.468	-7.09	-0.376	-0.963	4.845	-474.023	1
41036_1037	41036	1037	-36.525	-64.484	2.429	-4.995	-31.21	451.563	1
41037_1037	41037	1037	-7.929	-7.3	-0.366	-1.259	-0.639	-388.08	1
41037_1038	41037	1038	-37.49	-60.623	2.9	-4.781	2.781	756.549	1
41038_1038	41038	1038	21.954	-8.315	0.864	1.395	10.829	-928.186	1
41038_1039	41038	1039	-38.098	-57.43	-1.452	-5.779	-16.382	1062.119	1
41039_1039	41039	1039	26.395	-11.549	1.131	1.059	20.151	-1188.258	1
41039_1040	41039	1040	-37.844	-53.706	-1.328	-5.3	-32.87	1292.766	1
41040_1040	41040	1040	29.959	-13.384	0.261	1.161	33.556	-1389.178	1
41040_1041	41040	1041	-37.363	-52.726	-0.565	-5.163	-37.918	1452.519	1
41041_1041	41041	1041	32.127	-15.763	0.328	1.062	36.43	-1513.51	1
41041_1042	41041	1042	-36.842	-46.218	-0.529	-5.536	-47.705	1701.798	1
41042_1042	41042	1042	35.126	-18.92	0.048	0.328	44.601	-1726.558	1
41042_1043	41042	1043	-36.166	-44.02	-0.098	-4.758	-49.071	1862.912	1
41043_1043	41043	1043	36.44	-23.338	0.026	-0.191	46.96	-1862.557	1
41043_1044	41043	1044	-35.108	-38.865	-0.073	-4.243	-49.761	1961.85	1
41044_1044	41044	1044	36.917	-24.92	-0.068	-1.023	48.441	-1956.739	1
41044_1045	41044	1045	-33.76	-37.104	0.001	-3.444	-49.427	2038.817	1
41045_1045	41045	1045	36.818	-29.744	-0.092	-1.678	48.709	-2031.984	1
41045_1046	41045	1046	-32.192	-32.015	0.01	-2.79	-48.77	2050.235	1
41046_1046	41046	1046	36.188	-31.27	0.006	-2.694	48.343	-2048.91	1
41046_1047	41046	1047	-30.416	-30.438	-0.082	-1.761	-49.264	2042.216	1
41047_1047	41047	1047	35.146	-36.355	-0.005	-3.243	49.189	-2047.355	1
41047_1048	41047	1048	-28.428	-25.565	-0.069	-1.22	-49.243	1974.174	1
41048_1048	41048	1048	33.817	-37.987	-0.014	-3.466	49.672	-1980.136	1
41048_1049	41048	1049	-26.233	-23.994	-0.005	-1.112	-48.449	1886.84	1
41049_1049	41049	1049	32.262	-43.172	-0.064	-5.326	49.96	-1891.973	1
41049_1050	41049	1050	-23.727	-19.506	0.036	0.752	-46.338	1756.376	1
41050_1050	41050	1050	30.498	-45.29	-0.446	-5.061	49.191	-1739.724	1
41050_1051	41050	1051	-19.929	-16.325	0.271	0.354	-39.042	1550.775	1
41051_1051	41051	1051	28.218	-52	-0.51	-6.204	40.99	-1492.504	1
41051_1052	41051	1052	-17.746	-13.778	0.235	2.106	-36.184	1420.941	1
41052_1052	41052	1052	27.529	-53.057	-1.516	-5.11	36.435	-1334.697	1
41052_1053	41052	1053	-14.515	-11.838	1.164	0.788	-21.868	1223.43	1
41053_1053	41053	1053	26.655	-57.15	-1.602	-6.409	17.923	-1110.956	1
41053_1054	41053	1054	-10.948	-8.279	0.863	1.805	-12.371	964.103	1
41054_1054	41054	1054	25.366	-60.61	3.284	-4.94	-2.381	-801.36	1
41054_1055	41054	1055	27.101	-5.574	-0.135	-1.05	10.528	333.387	1
41055_1055	41055	1055	24.305	-64.909	2.813	-5.296	36.855	-490.029	1
41055_1056	41055	1056	27.029	-4.869	-0.157	-1.042	8.446	394.366	1
41056_1056	41056	1056	-73.798	-12.023	-5.367	-0.936	168.421	-754.055	1
41056_1057	41056	1057	48.993	-54.465	4.213	-2.755	-76.18	635.279	1
41057_1057	41057	1057	-68.737	-14.638	-5.253	-0.388	111.534	-866.285	1
41057_1058	41057	1058	45.948	-50.856	3.78	-3.04	-36.94	772.165	1
41058_1058	41058	1058	-64.503	-17.117	-5.141	0.314	65.744	-947.54	1
41058_1059	41058	1059	43.572	-47.121	3.333	-3.426	-3.865	887.827	1
41059_1059	41059	1059	-59.93	-19.236	-0.778	-0.606	21.704	-1016.715	1
41059_1060	41059	1060	41.875	-44.023	0.223	-3.048	1.679	993.134	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41060_1060	41060	1060	-55.458	-22.154	-0.62	-1.077	12.263	-1074.446	1
41060_1061	41060	1061	40.914	-40.031	0.068	-2.535	5	1069.11	1
41061_1061	41061	1061	-51.244	-25.361	-0.47	-1.825	4.772	-1114.577	1
41061_1062	41061	1062	40.709	-36.11	-0.101	-1.833	6.12	1116.213	1
41062_1062	41062	1062	-47.698	-27.098	-0.3	-0.644	-0.722	-1138.653	1
41062_1063	41062	1063	41.053	-35.16	-0.042	-2.765	6.385	1144.809	1
41063_1063	41063	1063	-45.459	-29.743	-0.177	-1.86	-3.231	-1152.323	1
41063_1064	41063	1064	41.797	-32.255	-0.149	-1.488	5.615	1155.79	1
41064_1064	41064	1064	-43.695	-32.556	-0.129	-1.498	-4.748	-1155.401	1
41064_1065	41064	1065	42.968	-29.451	-0.197	-1.853	4.261	1151.273	1
41065_1065	41065	1065	-42.335	-35.474	-0.018	-2.884	-5.692	-1142.699	1
41065_1066	41065	1066	44.64	-26.821	-0.321	-0.537	1.894	1136.339	1
41066_1066	41066	1066	-41.367	-36.394	-0.045	-2.144	-5.576	-1112.287	1
41066_1067	41066	1067	47.472	-25.129	-0.514	-1.348	-3.607	1111.181	1
41067_1067	41067	1067	-40.725	-40.314	0.119	-2.849	-4.416	-1063.004	1
41067_1068	41067	1068	51.049	-21.944	-0.654	-0.671	-11.027	1070.567	1
41068_1068	41068	1068	-40.844	-44.306	0.219	-2.221	-1.117	-984.911	1
41068_1069	41068	1069	54.955	-19.062	-0.736	-1.364	-19.779	1013.502	1
41069_1069	41069	1069	-41.648	-47.381	3.387	-3.428	3.916	-878.24	1
41069_1070	41069	1070	58.94	-16.972	-5.228	0.327	-64.15	945.317	1
41070_1070	41070	1070	-43.249	-51.105	3.842	-3.042	37.048	-761.258	1
41070_1071	41070	1071	62.796	-14.533	-5.339	-0.379	-110.322	866.098	1
41071_1071	41071	1071	-45.567	-54.7	4.279	-2.687	76.474	-623.277	1
41071_1072	41071	1072	67.519	-11.979	-5.448	-1.001	-167.551	757.764	1
41072_1072	41072	1072	-4.011	-6.065	-0.255	-0.852	12.381	-363.994	1
41072_1073	41072	1073	-31.067	-64.669	2.738	-5.231	-35.709	524.364	1
41073_1073	41073	1073	-4.983	-6.176	-0.247	-1.295	8.058	-292.133	1
41073_1074	41073	1074	-31.587	-60.631	3.187	-4.88	2.661	851.545	1
41074_1074	41074	1074	17.569	-8.19	0.846	1.814	12.142	-972.476	1
41074_1075	41074	1075	-31.889	-57.48	-1.645	-6.342	-18.038	1181.453	1
41075_1075	41075	1075	21.456	-11.554	1.134	0.748	21.337	-1243.359	1
41075_1076	41075	1076	-31.398	-53.645	-1.592	-4.896	-37.725	1427.119	1
41076_1076	41076	1076	24.547	-13.243	0.307	1.855	35.436	-1459.09	1
41076_1077	41076	1077	-30.874	-52.848	-0.433	-5.864	-42.146	1605.144	1
41077_1077	41077	1077	26.379	-15.714	0.308	0.386	38.949	-1617.736	1
41077_1078	41077	1078	-30.551	-46.954	-0.342	-4.915	-48.755	1875.305	1
41078_1078	41078	1078	28.723	-18.461	-0.011	0.813	45.361	-1843.751	1
41078_1079	41078	1079	-30.328	-45.212	0.179	-5.181	-47.459	2045.372	1
41079_1079	41079	1079	29.874	-22.553	-0.101	-0.039	46.201	-1998.97	1
41079_1080	41079	1080	-29.92	-40.533	0.233	-4.265	-44.932	2159.096	1
41080_1080	41080	1080	30.402	-23.848	-0.016	-0.292	44.81	-2117.802	1
41080_1081	41080	1081	-29.37	-39.271	0.095	-4.015	-44.234	2253.953	1
41081_1081	41081	1081	30.547	-28.233	-0.076	-1.267	44.554	-2220.404	1
41081_1082	41081	1082	-28.718	-34.643	0.14	-2.996	-42.719	2289.589	1
41082_1082	41082	1082	30.398	-29.256	0.059	-0.971	43.101	-2270.96	1
41082_1083	41082	1083	-27.925	-33.275	0.007	-3.462	-43.076	2308.621	1
41083_1083	41083	1083	29.995	-34.146	-0.013	-3.608	43.462	-2308.601	1
41083_1084	41083	1084	-27.025	-28.428	0.072	-0.832	-42.313	2261.29	1
41084_1084	41084	1084	29.423	-35.442	0.204	-2.275	42.593	-2278.763	1
41084_1085	41084	1085	-26.072	-27.478	-0.125	-2.105	-44.149	2203.987	1
41085_1085	41085	1085	28.784	-40.09	0.132	-5.12	44.582	-2234.082	1
41085_1086	41085	1086	-24.942	-23.142	-0.042	0.658	-44.482	2095.61	1
41086_1086	41086	1086	28.052	-41.185	0.188	-3.484	45.435	-2129.936	1
41086_1087	41086	1087	-23.613	-22.036	-0.048	-0.92	-45.031	1975.467	1
41087_1087	41087	1087	27.242	-45.851	0.106	-5.924	47.119	-2010.576	1
41087_1088	41087	1088	-21.935	-17.982	0.045	1.446	-43.487	1817.934	1
41088_1088	41088	1088	26.318	-47.563	-0.125	-5.715	47.251	-1836.03	1
41088_1089	41088	1089	-19.376	-15.507	0.077	1.414	-40.779	1599.784	1
41089_1089	41089	1089	25.392	-53.201	-0.147	-4.625	44.014	-1580.845	1
41089_1090	41089	1090	-17.577	-12.998	0.065	0.747	-39.141	1446.622	1
41090_1090	41090	1090	25.34	-54.157	-1.579	-5.259	41.884	-1403.857	1
41090_1091	41090	1091	-14.758	-11.104	1.178	1.2	-24.09	1226.254	1
41091_1091	41091	1091	25.25	-58.163	-1.628	-5.849	22.258	-1150.203	1
41091_1092	41091	1092	-11.517	-7.629	0.875	1.437	-13.818	945.092	1
41092_1092	41092	1092	24.723	-61.341	3.302	-4.568	1.12	-816.117	1
41092_1093	41092	1093	8.024	-6.36	-0.145	-1.393	-0.813	335.169	1
41093_1093	41093	1093	24.254	-65.549	2.863	-5.254	40.426	-483.462	1
41093_1094	41093	1094	5.102	-6.177	-0.151	-0.817	-4.131	401.001	1
41094_1094	41094	1094	-75.184	-11.983	-5.126	-0.721	160.231	-747.697	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41094_1095	41094	1095	49.535	-54.256	3.987	-2.989	-71.922	632.615	1
41095_1095	41095	1095	-69.969	-14.599	-5.042	0.228	105.897	-858.29	1
41095_1096	41095	1096	46.303	-50.568	3.588	-3.465	-34.58	769.775	1
41096_1096	41096	1096	-65.629	-17.1	-4.765	-1.344	61.958	-939.62	1
41096_1097	41096	1097	43.727	-46.739	3.041	-2.261	-4.13	884.279	1
41097_1097	41097	1097	-60.906	-19.222	-0.737	-0.906	21.057	-1008.592	1
41097_1098	41097	1098	41.789	-43.678	0.168	-2.326	0.767	988.22	1
41098_1098	41098	1098	-56.282	-22.182	-0.571	-1.569	12.177	-1066.42	1
41098_1099	41098	1099	40.587	-39.685	0.006	-1.742	3.416	1063.412	1
41099_1099	41099	1099	-51.897	-25.452	-0.486	-0.985	5.312	-1106.324	1
41099_1100	41099	1100	40.11	-35.765	-0.112	-2.249	4.226	1109.329	1
41100_1100	41100	1100	-48.173	-26.893	-0.013	-6.51	-0.002	-1129.371	1
41100_1101	41100	1101	40.221	-35.295	-0.346	5.239	2.512	1138.899	1
41101_1101	41101	1101	-45.777	-29.531	0.03	-7.024	-0.628	-1143.245	1
41101_1102	41101	1102	40.72	-32.371	-0.4	4.888	-0.003	1150.671	1
41102_1102	41102	1102	-43.844	-32.349	-0.437	5.709	-0.734	-1146.653	1
41102_1103	41102	1103	41.657	-29.545	0.026	-7.844	-0.372	1148.821	1
41103_1103	41103	1103	-42.325	-35.275	-0.306	4.213	-3.201	-1136.399	1
41103_1104	41103	1104	43.076	-26.892	-0.096	-5.537	-1.766	1135.874	1
41104_1104	41104	1104	-41.181	-35.713	-0.143	-1.743	-4.375	-1107.96	1
41104_1105	41104	1105	45.542	-25.469	-0.464	-1.524	-7.322	1114.634	1
41105_1105	41105	1105	-40.278	-39.633	0.029	-2.491	-3.384	-1064.462	1
41105_1106	41105	1106	48.735	-22.185	-0.614	-0.741	-14.954	1075.941	1
41106_1106	41106	1106	-40.099	-43.626	0.14	-1.933	-0.103	-991.341	1
41106_1107	41106	1107	52.24	-19.211	-0.711	-1.316	-24.106	1019.144	1
41107_1107	41107	1107	-40.639	-46.715	3.115	-3.15	5.033	-889.617	1
41107_1108	41107	1108	55.866	-17.074	-4.88	0.084	-66.374	950.328	1
41108_1108	41108	1108	-41.926	-50.528	3.549	-2.775	36.543	-776.498	1
41108_1109	41108	1109	59.269	-14.544	-4.991	-0.567	-110.456	868.857	1
41109_1109	41109	1109	-43.909	-54.235	3.982	-2.69	74.124	-640.738	1
41109_1110	41109	1110	63.421	-11.893	-5.112	-0.842	-165.26	757.249	1
41110_1110	41110	1110	-11.217	-3.367	-0.105	-0.504	-2.508	-263.43	1
41110_1111	41110	1111	-33.944	-63.539	2.956	-5.388	-47.987	532.696	1
41111_1111	41111	1111	15.307	-5.662	-1.217	0.211	37.615	-695.79	1
41111_1112	41111	1112	-35.194	-59.349	3.425	-4.398	-8.251	838.655	1
41112_1112	41112	1112	19.411	-8.738	0.743	1.655	18.266	-975.609	1
41112_1113	41112	1113	-36.329	-56.147	-1.327	-6.163	-26.288	1141.158	1
41113_1113	41113	1113	23.83	-12.234	0.983	0.614	27.176	-1236.672	1
41113_1114	41113	1114	-36.691	-52.221	-1.21	-4.868	-41.968	1362.731	1
41114_1114	41114	1114	27.513	-14.079	0.156	2.751	39.76	-1435.375	1
41114_1115	41114	1115	-36.797	-51.392	-0.294	-6.853	-45.07	1519.07	1
41115_1115	41115	1115	29.844	-16.62	0.123	-0.07	42.111	-1569.407	1
41115_1116	41115	1116	-37.535	-45.394	-0.165	-4.565	-48.84	1740.727	1
41116_1116	41116	1116	33.124	-19.242	-0.164	0.485	45.809	-1758.929	1
41116_1117	41116	1117	-38.045	-43.787	0.316	-4.787	-45.758	1886.966	1
41117_1117	41117	1117	35.047	-23.465	-0.251	-0.22	44.905	-1887.333	1
41117_1118	41117	1118	-38.304	-38.93	0.381	-4.087	-41.263	1976.961	1
41118_1118	41118	1118	36.393	-24.573	-0.185	0.12	41.881	-1975.907	1
41118_1119	41118	1119	-38.37	-37.786	0.253	-4.605	-38.298	2051.936	1
41119_1119	41119	1119	37.35	-29.091	-0.285	-2.362	39.616	-2051.746	1
41119_1120	41119	1120	-38.262	-32.97	0.335	-2.137	-34.135	2066.504	1
41120_1120	41120	1120	37.94	-30.002	-0.157	-2.135	35.637	-2075.472	1
41120_1121	41120	1121	-37.968	-31.726	0.201	-2.288	-31.645	2066.331	1
41121_1121	41121	1121	38.271	-35.065	-0.21	-2.802	33.084	-2088.213	1
41121_1122	41121	1122	-37.474	-26.706	0.244	-1.656	-28.462	1999.773	1
41122_1122	41122	1122	38.369	-36.367	-0.043	-3.458	29.594	-2033.426	1
41122_1123	41122	1123	-36.77	-25.807	0.069	-0.979	-27.886	1926.638	1
41123_1123	41123	1123	38.275	-41.182	-0.091	-4.183	28.598	-1966.793	1
41123_1124	41123	1124	-35.767	-21.354	0.121	-0.314	-26.48	1804.076	1
41124_1124	41124	1124	38.026	-42.27	0.075	-3.927	26.944	-1840.96	1
41124_1125	41124	1125	-34.389	-20.321	-0.001	-0.67	-26.821	1673.955	1
41125_1125	41125	1125	37.609	-47.106	-0.01	-5.784	27.554	-1701.577	1
41125_1126	41125	1126	-32.419	-16.23	0.102	1.129	-25.283	1511.434	1
41126_1126	41126	1126	36.97	-48.711	-0.603	-5.222	26.891	-1507.605	1
41126_1127	41126	1127	-29.286	-14.094	0.558	0.598	-16.999	1302.984	1
41127_1127	41127	1127	36.263	-54.313	-0.699	-5.301	17.417	-1236.486	1
41127_1128	41127	1128	-26.987	-11.675	0.552	1.244	-12.449	1153.288	1
41128_1128	41128	1128	36.189	-54.85	-1.641	-4.948	11.168	-1052.478	1
41128_1129	41128	1129	-23.286	-10.243	1.226	0.468	1.152	954.929	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41129_1129	41129	1129	35.899	-58.657	-1.741	-5.786	-8.455	-808.118	1
41129_1130	41129	1130	13.654	-7.167	-0.656	-0.827	-13.913	386.075	1
41130_1130	41130	1130	34.827	-61.56	3.53	-4.518	-29.377	-486.56	1
41130_1131	41130	1131	12.671	-6.659	-0.291	-1.243	-18.057	466.093	1
41131_1131	41131	1131	33.601	-65.594	3.208	-4.079	16.27	-177.048	1
41131_1132	41131	1132	10.63	-6.355	-0.286	-0.397	-22.127	536.094	1
41132_1132	41132	1132	-79.271	-9.539	-4.476	-3.94	131.214	-557.178	1
41132_1133	41132	1133	49.116	-55.238	4.015	1.812	-65.381	493.72	1
41133_1133	41133	1133	-73.089	-12.477	-4.631	-2.612	86.011	-703.129	1
41133_1134	41133	1134	45.172	-51.268	3.764	0.081	-29.551	655.464	1
41134_1134	41134	1134	-67.84	-15.29	-5.668	9.328	47.034	-798.449	1
41134_1135	41134	1135	41.942	-47.246	4.083	-7.864	6.533	789.152	1
41135_1135	41135	1135	-62.499	-16.82	-0.087	-1.104	0.639	-882.678	1
41135_1136	41135	1136	39.538	-44.28	-0.183	-1.74	6.069	914.645	1
41136_1136	41136	1136	-57.108	-20.018	-0.107	0.464	-1.495	-960.285	1
41136_1137	41136	1137	37.787	-39.798	-0.168	-3.193	5.137	1004.685	1
41137_1137	41137	1137	-51.947	-23.538	0.004	-0.186	-3.204	-1016.908	1
41137_1138	41137	1138	36.797	-35.419	-0.25	-2.317	3.217	1059.503	1
41138_1138	41138	1138	-47.476	-25.301	-0.044	-0.773	-3.484	-1054.011	1
41138_1139	41138	1139	36.553	-34.602	-0.103	-1.804	2.22	1093.097	1
41139_1139	41139	1139	-44.599	-28.222	0.056	-2.193	-3.635	-1078.213	1
41139_1140	41139	1140	36.717	-31.354	-0.174	-0.383	0.644	1105.709	1
41140_1140	41140	1140	-42.205	-31.352	0.073	-1.92	-3.106	-1089.338	1
41140_1141	41140	1141	37.313	-28.233	-0.184	-0.765	-1.058	1099.703	1
41141_1141	41141	1141	-40.24	-34.609	0.022	0.178	-2.357	-1081.945	1
41141_1142	41141	1142	38.42	-25.326	-0.136	-2.696	-2.525	1081.254	1
41142_1142	41142	1142	-38.673	-35.528	-0.092	-2.922	-1.665	-1054.107	1
41142_1143	41142	1143	40.498	-23.582	-0.218	0.343	-5.453	1049.598	1
41143_1143	41143	1143	-37.242	-39.885	-0.034	-2.668	-1.049	-1005.391	1
41143_1144	41143	1144	43.306	-20.048	-0.261	-0.17	-9.22	998.088	1
41144_1144	41144	1144	-36.579	-44.335	-0.027	-1.15	0.414	-922.439	1
41144_1145	41144	1145	46.411	-16.849	-0.251	-1.706	-13.26	925.968	1
41145_1145	41145	1145	-36.718	-47.64	2.895	-3.6	2.484	-805.452	1
41145_1146	41145	1146	49.752	-14.625	-4.173	0.915	-48.168	841.683	1
41146_1146	41146	1146	-37.595	-51.793	3.238	-3.313	29.835	-676.273	1
41146_1147	41146	1147	52.756	-11.904	-4.216	0.3	-83.817	743.221	1
41147_1147	41147	1147	-39.197	-55.78	3.557	-2.517	61.797	-517.58	1
41147_1148	41147	1148	56.373	-9.057	-4.233	-0.831	-126.833	600.477	1
41148_1148	41148	1148	-22.713	-4.136	-0.157	-0.364	4.678	-391.936	1
41148_1149	41148	1149	-49.622	-61.406	2.523	-3.936	-23.051	354.447	1
41149_1149	41149	1149	24.977	-6.378	-0.822	0.156	21.709	-569.772	1
41149_1150	41149	1150	-52.755	-57.254	2.976	-3.974	13.899	624.96	1
41150_1150	41150	1150	31.184	-9.393	0.662	0.814	4.679	-815.362	1
41150_1151	41150	1151	-55.48	-54.162	-1.344	-4.769	-1.65	894.863	1
41151_1151	41151	1151	37.848	-12.823	0.939	0.687	9.658	-1031.544	1
41151_1152	41151	1152	-57.04	-50.396	-1.234	-4.477	-15.782	1082.06	1
41152_1152	41152	1152	43.435	-14.471	0.364	0.476	19.611	-1197.642	1
41152_1153	41152	1153	-57.813	-49.77	-0.683	-4.076	-21.095	1226.826	1
41153_1153	41153	1153	46.986	-17.052	0.426	0.559	22.539	-1305.774	1
41153_1154	41153	1154	-59.151	-43.92	-0.64	-4.504	-29.844	1407.835	1
41154_1154	41154	1154	51.893	-19.587	-0.065	-0.129	29.38	-1451.611	1
41154_1155	41154	1155	-59.837	-41.876	0.003	-3.895	-29.453	1536.292	1
41155_1155	41155	1155	55.01	-24.031	-0.12	-0.654	29.392	-1554.677	1
41155_1156	41155	1156	-59.938	-36.729	0.055	-3.396	-28.32	1607.489	1
41156_1156	41156	1156	57.244	-25.568	-0.053	-1.085	28.374	-1618.012	1
41156_1157	41156	1157	-59.568	-35.483	-0.04	-2.971	-28.449	1659.135	1
41157_1157	41157	1157	58.712	-29.969	-0.112	-1.866	28.309	-1663.204	1
41157_1158	41157	1158	-58.749	-30.883	0.014	-2.196	-27.945	1663.247	1
41158_1158	41158	1158	59.575	-31.136	0.027	-2.216	27.499	-1665.751	1
41158_1159	41158	1159	-57.474	-29.731	-0.107	-1.839	-28.922	1657.18	1
41159_1159	41159	1159	59.947	-35.733	-0.03	-2.985	28.346	-1657.827	1
41159_1160	41159	1160	-55.648	-25.33	-0.048	-1.056	-29.116	1608.253	1
41160_1160	41160	1160	59.852	-36.994	0.055	-3.908	28.488	-1602.631	1
41160_1161	41160	1161	-53.083	-23.82	-0.132	0.005	-30.433	1540.937	1
41161_1161	41161	1161	59.245	-42.119	0.063	-3.146	29.847	-1527.321	1
41161_1162	41161	1162	-49.748	-19.371	-0.126	-0.732	-31.233	1433.811	1
41162_1162	41162	1162	58.123	-44.289	-0.815	-4.698	31.205	-1395.451	1
41162_1163	41162	1163	-44.697	-16.724	0.558	0.787	-22.54	1281.081	1
41163_1163	41163	1163	56.266	-50.139	-0.829	-3.752	20.321	-1205.98	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41163_1164	41163	1164	-41.112	-14.136	0.463	0.173	-18.92	1167.884	1
41164_1164	41164	1164	55.263	-50.865	-1.269	-4.754	14.007	-1057.239	1
41164_1165	41164	1165	-35.57	-12.432	0.984	1.036	-8.743	996.508	1
41165_1165	41165	1165	53.441	-54.689	-1.353	-4.44	-0.224	-858.924	1
41165_1166	41165	1166	-29.015	-8.987	0.679	0.531	-3.803	773.666	1
41166_1166	41166	1166	50.38	-57.972	2.934	-4.062	-15.754	-580.794	1
41166_1167	41166	1167	-22.916	-5.901	-0.802	0.267	-20.914	525.932	1
41167_1167	41167	1167	47.212	-62.149	2.485	-3.939	21.079	-301.43	1
41167_1168	41167	1168	28.206	-4.523	-0.158	-0.373	-5.69	456.452	1
41168_1168	41168	1168	-60.843	-9.232	-4.284	-0.785	126.615	-592.114	1
41168_1169	41168	1169	42.03	-55.903	3.613	-2.593	-62.172	504.617	1
41169_1169	41169	1169	-57.034	-12.026	-4.277	0.556	83.386	-733.407	1
41169_1170	41169	1170	40.015	-51.959	3.302	-3.531	-29.867	665.754	1
41170_1170	41170	1170	-53.816	-14.698	-4.235	1.195	47.46	-830.635	1
41170_1171	41170	1171	38.699	-47.848	2.961	-3.8	-2.118	797.259	1
41171_1171	41171	1171	-50.339	-17.022	-0.457	-1.407	12.209	-914.762	1
41171_1172	41171	1172	38.181	-44.406	0.086	-1.64	0.713	915.863	1
41172_1172	41172	1172	-46.901	-20.183	-0.459	0.226	6.792	-986.114	1
41172_1173	41172	1173	38.321	-40.01	0.062	-3.188	2.62	1001.087	1
41173_1173	41173	1173	-43.72	-23.673	-0.343	-0.487	1.857	-1037.722	1
41173_1174	41173	1174	39.202	-35.694	-0.063	-2.357	3.002	1052.887	1
41174_1174	41174	1174	-41.23	-25.517	-0.038	-2.276	-1.577	-1070.355	1
41174_1175	41174	1175	40.337	-34.681	-0.056	-0.379	2.726	1083.271	1
41175_1175	41175	1175	-39.791	-28.404	-0.088	-0.285	-2.027	-1089.418	1
41175_1176	41175	1176	41.859	-31.47	0.005	-2.504	2.626	1093.752	1
41176_1176	41176	1176	-38.843	-31.499	-0.013	-1.639	-2.693	-1096.406	1
41176_1177	41176	1177	43.779	-28.377	-0.074	-1.094	2.012	1085.795	1
41177_1177	41177	1177	-38.307	-34.714	-0.006	-1.246	-2.87	-1084.953	1
41177_1178	41177	1178	46.167	-25.492	-0.088	-1.416	1.278	1065.651	1
41178_1178	41178	1178	-38.166	-35.748	-0.041	-2.093	-2.862	-1053.372	1
41178_1179	41178	1179	49.898	-23.661	-0.365	-0.899	-2.351	1032.245	1
41179_1179	41179	1179	-38.62	-40.059	0.086	-2.84	-2.243	-1000.076	1
41179_1180	41179	1180	54.268	-20.182	-0.484	-0.209	-7.473	980.031	1
41180_1180	41180	1180	-39.813	-44.46	0.161	-2.368	-0.059	-913.276	1
41180_1181	41180	1181	58.838	-17.037	-0.542	-0.743	-13.486	908.28	1
41181_1181	41181	1181	-41.761	-47.938	2.935	-3.785	3.42	-793.186	1
41181_1182	41181	1182	63.524	-14.733	-4.163	1.324	-48.127	824.523	1
41182_1182	41182	1182	-44.342	-52.032	3.264	-3.565	30.966	-660.379	1
41182_1183	41182	1183	67.753	-12.09	-4.197	0.715	-83.271	728.29	1
41183_1183	41183	1183	-47.589	-55.96	3.529	-2.378	62.865	-498.315	1
41183_1184	41183	1184	72.723	-9.332	-4.15	-0.972	-124.984	588.441	1
41184_1184	41184	1184	-10.223	-6.58	-0.216	-0.814	9.489	-452.926	1
41184_1185	41184	1185	-37.103	-64.156	2.431	-3.701	-18.852	262.981	1
41185_1185	41185	1185	-12.444	-6.892	-0.229	-0.687	6.113	-379.513	1
41185_1186	41185	1186	-38.992	-59.969	2.828	-3.99	17.428	572.532	1
41186_1186	41186	1186	21.356	-8.017	0.698	0.525	3.738	-748.659	1
41186_1187	41186	1187	-40.629	-56.469	-1.447	-4.347	1.195	883.912	1
41187_1187	41187	1187	26.374	-11.475	1.021	1.093	8.723	-993.311	1
41187_1188	41187	1188	-41.46	-52.451	-1.383	-4.714	-14.12	1114.712	1
41188_1188	41188	1188	30.652	-13.301	0.52	0.18	19.296	-1186.488	1
41188_1189	41188	1189	-41.869	-51.375	-0.941	-4.368	-21.324	1281.582	1
41189_1189	41189	1189	33.382	-15.911	0.634	1.12	23.461	-1313.561	1
41189_1190	41189	1190	-42.876	-45.491	-0.95	-5.635	-34.156	1496.442	1
41190_1190	41190	1190	37.167	-18.678	0.025	-1.341	33.591	-1495.336	1
41190_1191	41190	1191	-43.478	-43.12	-0.202	-3.586	-35.891	1645.478	1
41191_1191	41191	1191	39.569	-23.06	0.092	0.974	34.992	-1624.102	1
41191_1192	41191	1192	-43.661	-38.063	-0.265	-5.909	-38.405	1736.733	1
41192_1192	41192	1192	41.338	-24.833	-0.016	-1.388	37.082	-1714.444	1
41192_1193	41192	1193	-43.478	-36.494	-0.117	-3.738	-39.323	1801.859	1
41193_1193	41193	1193	42.524	-29.233	-0.042	-2.092	37.992	-1780.468	1
41193_1194	41193	1194	-42.921	-31.92	-0.096	-2.994	-39.923	1817.378	1
41194_1194	41194	1194	43.247	-30.626	0.145	-3.533	38.499	-1801.415	1
41194_1195	41194	1195	-42.001	-30.577	-0.291	-1.409	-42.655	1819.231	1
41195_1195	41195	1195	43.616	-35.207	0.173	-2.625	41.181	-1807.731	1
41195_1196	41195	1196	-40.636	-26.223	-0.298	-2.28	-45.171	1777.248	1
41196_1196	41196	1196	43.637	-36.875	-0.012	-5.773	44.137	-1764.902	1
41196_1197	41196	1197	-38.692	-24.42	-0.106	1.016	-45.536	1712.455	1
41197_1197	41197	1197	43.251	-41.921	0.043	-3.39	45.187	-1696.656	1
41197_1198	41197	1198	-36.165	-20.093	-0.158	-1.367	-46.013	1608.006	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41198_1198	41198	1198	42.484	-44.286	-0.904	-6.057	46.639	-1571.986	1
41198_1199	41198	1199	-32.34	-17.348	0.654	1.167	-34.953	1454.579	1
41199_1199	41199	1199	41.216	-50.125	-0.932	-5.089	34.348	-1392.867	1
41199_1200	41199	1200	-29.598	-14.742	0.541	0.545	-30.09	1344.018	1
41200_1200	41200	1200	40.658	-51.348	-1.127	-6.257	26.914	-1246.19	1
41200_1201	41200	1201	-25.414	-12.716	0.874	1.638	-20.482	1163.664	1
41201_1201	41201	1201	39.643	-55.349	-1.201	-6.147	13.898	-1042.472	1
41201_1202	41201	1202	-20.543	-9.2	0.601	1.134	-15.212	926.101	1
41202_1202	41202	1202	37.667	-58.954	3.171	-5.66	-0.335	-757.466	1
41202_1203	41202	1203	-16.111	-5.991	-0.848	1.207	-31.027	660.218	1
41203_1203	41203	1203	35.753	-63.132	2.699	-5.684	37.726	-466.081	1
41203_1204	41203	1204	11.512	-4.501	-0.123	-0.887	1.064	309.258	1
41204_1204	41204	1204	-65.048	-11.348	-5	-1.563	162.857	-712.522	1
41204_1205	41204	1205	44.74	-55.146	4.015	-2.714	-77.387	568.975	1
41205_1205	41205	1205	-60.82	-13.959	-4.994	1.124	110.166	-835.538	1
41205_1206	41205	1206	42.554	-51.521	3.683	-4.558	-39.386	717.91	1
41206_1206	41206	1206	-57.303	-16.426	-4.904	1.852	66.862	-914.859	1
41206_1207	41206	1207	41.088	-47.742	3.268	-4.783	-6.918	837.838	1
41207_1207	41207	1207	-53.612	-18.584	-1.05	-0.829	24.815	-983.133	1
41207_1208	41207	1208	40.454	-44.433	0.406	-3.109	0.167	947.33	1
41208_1208	41208	1208	-49.952	-21.517	-0.887	-1.355	13.401	-1040.348	1
41208_1209	41208	1209	40.487	-40.346	0.227	-2.635	4.707	1027.374	1
41209_1209	41209	1209	-46.563	-24.75	-0.791	-0.639	4.022	-1080.293	1
41209_1210	41209	1210	41.29	-36.328	0.087	-3.176	7.049	1078.187	1
41210_1210	41210	1210	-43.895	-26.594	-0.239	-1.391	-3.636	-1104.929	1
41210_1211	41210	1211	42.394	-35.213	-0.062	-2.074	6.81	1108.863	1
41211_1211	41211	1211	-42.329	-29.286	-0.122	-2.746	-5.479	-1118.883	1
41211_1212	41211	1212	43.892	-32.232	-0.17	-0.799	5.638	1121.408	1
41212_1212	41212	1212	-41.264	-32.16	-0.082	-2.314	-6.403	-1122.321	1
41212_1213	41212	1213	45.801	-29.36	-0.208	-1.331	3.969	1117.96	1
41213_1213	41213	1213	-40.625	-35.133	-0.109	-0.066	-6.797	-1109.828	1
41213_1214	41213	1214	48.2	-26.677	-0.176	-3.359	2.22	1104.575	1
41214_1214	41214	1214	-40.398	-36.341	0.15	-3.848	-6.935	-1079.941	1
41214_1215	41214	1215	51.971	-24.761	-0.872	0.216	-6.236	1079.416	1
41215_1215	41215	1215	-40.757	-40.351	0.243	-2.197	-3.748	-1028.403	1
41215_1216	41215	1216	56.397	-21.532	-0.902	-1.765	-15.944	1039.041	1
41216_1216	41216	1216	-41.889	-44.437	0.429	-2.669	1.274	-947.933	1
41216_1217	41216	1217	61.04	-18.6	-1.072	-1.16	-27.715	981.328	1
41217_1217	41217	1217	-43.815	-47.737	3.101	-4.705	8.893	-838.193	1
41217_1218	41217	1218	65.845	-16.372	-4.762	1.386	-68.779	912.187	1
41218_1218	41218	1218	-46.395	-51.535	3.518	-4.322	40.311	-717.905	1
41218_1219	41218	1219	70.185	-13.893	-4.858	0.579	-111.183	831.621	1
41219_1219	41219	1219	-49.654	-55.162	3.918	-3.247	77.316	-568.603	1
41219_1220	41219	1220	75.314	-11.276	-4.96	-1.005	-163.611	706.345	1
41220_1220	41220	1220	-14.5	-7.256	-0.195	-0.502	-7.925	-467.482	1
41220_1221	41220	1221	-30.018	-65.556	2.954	-7.178	-33.956	420.623	1
41221_1221	41221	1221	-16.066	-7.646	-0.122	-2.044	-10.953	-382.549	1
41221_1222	41221	1222	-31.55	-61.529	3.532	-6.258	8.182	744.734	1
41222_1222	41222	1222	-16.63	-8.201	-0.387	-1.568	-12.791	-288.745	1
41222_1223	41222	1223	-33.064	-57.904	-1.382	-8.794	-9.641	1070.09	1
41223_1223	41223	1223	19.736	-11.402	1.002	-0.285	15.764	-1166.19	1
41223_1224	41223	1224	-34.066	-54.021	-1.18	-5.747	-24.652	1310.414	1
41224_1224	41224	1224	23.49	-13.77	0.499	3.596	26.728	-1373.338	1
41224_1225	41224	1225	-34.718	-52.372	-0.859	-9.146	-32.272	1476.104	1
41225_1225	41225	1225	25.975	-16.212	0.508	-0.786	31.12	-1510.477	1
41225_1226	41225	1226	-36.602	-45.693	-0.686	-5.621	-45.139	1744.112	1
41226_1226	41226	1226	30.223	-20.29	-0.001	2.841	42.202	-1733.99	1
41226_1227	41226	1227	-37.857	-42.366	-0.003	-9.195	-45.378	1894.217	1
41227_1227	41227	1227	32.905	-24.927	-0.158	-4.197	43.784	-1868.766	1
41227_1228	41227	1228	-38.632	-37.068	0.174	-1.953	-42.953	1974.314	1
41228_1228	41228	1228	34.989	-27.741	0.044	-0.018	42.502	-1956.173	1
41228_1229	41228	1229	-38.928	-34.196	-0.152	-5.908	-44.515	2014.607	1
41229_1229	41229	1229	36.664	-32.828	-0.041	-4.792	43.978	-2005.693	1
41229_1230	41229	1230	-38.727	-29.104	-0.046	-1.05	-44.515	1987.257	1
41230_1230	41230	1230	37.895	-35.877	-0.357	-2.396	44.308	-1987.609	1
41230_1231	41230	1231	-37.898	-26.273	0.443	-3.506	-38.209	1926.389	1
41231_1231	41231	1231	38.655	-41.152	-0.509	-6.967	40.032	-1928.664	1
41231_1232	41231	1232	-36.377	-21.652	0.558	1.038	-29.917	1811.585	1
41232_1232	41232	1232	38.961	-44.433	-0.995	-3.108	33.053	-1800.935	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41232_1233	41232	1233	-34.647	-19.863	1.089	-2.756	-17.978	1707.051	1
41233_1233	41233	1233	38.818	-48.622	-1.192	-6.865	21.855	-1672.446	1
41233_1234	41233	1234	-32.088	-16.097	1.091	1.095	-4.832	1553.922	1
41234_1234	41234	1234	38.364	-53.257	-1.425	-12.135	5.883	-1477.921	1
41234_1235	41234	1235	-31.236	-15.253	1.192	7.432	-1.404	1506.596	1
41235_1235	41235	1235	38.831	-52.815	1.511	-4.975	0.872	-1417.901	1
41235_1236	41235	1236	-28.961	-14.375	-1.476	-0.099	-13.259	1400.479	1
41236_1236	41236	1236	37.991	-55.749	1.49	-6.631	11.344	-1278.485	1
41236_1237	41236	1237	-26.203	-11.548	-1.303	1.463	-26.975	1237.053	1
41237_1237	41237	1237	37.874	-58.656	1.435	-8.535	25.861	-1087.369	1
41237_1238	41237	1238	-24.51	-10.842	-1.17	4.15	-32.335	1162.316	1
41238_1238	41238	1238	38.002	-55.235	-4.522	-5.479	32.959	-983.912	1
41238_1239	41238	1239	-21.315	-10.76	5.096	-0.193	23.451	980.805	1
41239_1239	41239	1239	37.132	-58.578	-4.897	-5.869	-18.465	-779.072	1
41239_1240	41239	1240	-17.647	-8.009	4.954	0.671	77.764	766.246	1
41240_1240	41240	1240	34.111	-54.659	9.279	-22.108	-78.389	-551.316	1
41240_1241	41240	1241	-12.03	-11.398	-8.299	16.092	-24.35	576.343	1
41241_1241	41241	1241	-71.405	-18.003	3.879	14.809	64.488	-958.177	1
41241_1242	41241	1242	53.975	-49.547	-2.977	-16.35	-78.741	741.171	1
41242_1242	41242	1242	-67.72	-20.801	3.88	14.597	99.558	-1013.56	1
41242_1243	41242	1243	53.151	-48.356	-2.943	-15.209	-85.065	777.288	1
41243_1243	41243	1243	-65.733	-18.183	-5.143	-0.054	110.772	-1029.418	1
41243_1244	41243	1244	50.948	-48.546	4.125	-4.402	-36.056	906.678	1
41244_1244	41244	1244	-62.022	-20.887	-4.946	-2.295	59.354	-1094.034	1
41244_1245	41244	1245	50.298	-44.067	3.345	-2.691	7.701	1028.019	1
41245_1245	41245	1245	-58.14	-23.522	-1.041	-0.847	3.407	-1143.59	1
41245_1246	41245	1246	50.862	-40.512	0.721	-4.203	16.44	1114.686	1
41246_1246	41246	1246	-54.706	-26.94	-0.801	-3.283	-9.662	-1175.948	1
41246_1247	41246	1247	52.342	-36.203	0.455	-1.949	21.514	1168.074	1
41247_1247	41247	1247	-52.248	-29.97	-0.014	-1.918	-19.726	-1190.778	1
41247_1248	41247	1248	54.643	-33.086	0.144	-3.079	21.552	1193.516	1
41248_1248	41248	1248	-50.924	-33.745	0.073	-3.125	-21.247	-1190.216	1
41248_1249	41248	1249	58.399	-28.807	0.045	-2.01	20.114	1189.681	1
41249_1249	41249	1249	-50.613	-37.653	2.424	-1.685	-22.029	-1152.106	1
41249_1250	41249	1250	63.348	-25.4	-3.12	-3.793	-15.159	1165.687	1
41250_1250	41250	1250	-51.395	-42.261	3.022	-4.528	6.435	-1081.819	1
41250_1251	41250	1251	68.368	-22.264	-3.241	-0.511	-46.977	1127.474	1
41251_1251	41251	1251	-52.945	-42.355	0.129	-1.828	39.412	-985.73	1
41251_1252	41251	1252	74.12	-22.051	-2.427	-3.042	-71.535	1098.027	1
41252_1252	41252	1252	-55.889	-46.686	0.796	-3.239	49.628	-892.03	1
41252_1253	41252	1253	80.275	-18.404	-3.151	-1.004	-111.093	1030.063	1
41253_1253	41253	1253	-60.416	-51.37	1.339	-1.78	73.416	-759.245	1
41253_1254	41253	1254	82.022	-17.451	-3.227	-2.073	-123.885	1003.917	1
41254_1254	41254	1254	-61.828	-48.671	-1.048	-24.031	82.156	-720.692	1
41254_1255	41254	1255	84.878	-19.689	2.858	26.943	-110.663	979.834	1
41255_1255	41255	1255	8.38	-7.703	-4.884	10.058	36.431	-561.074	1
41255_1256	41255	1256	-27.745	-61.462	8.105	-17.211	-3.72	480.801	1
41256_1256	41256	1256	10.43	-9.649	-5.617	10.393	-2.188	-722.361	1
41256_1257	41256	1257	-28.518	-59.447	8.425	-17.191	55.467	628.717	1
41257_1257	41257	1257	-27.824	-7.243	-0.122	-0.832	-4.515	-396.875	1
41257_1258	41257	1258	-30.013	-61.981	0.264	-6.041	56.212	881.555	1
41258_1258	41258	1258	15.337	-9.139	0.743	0.422	-41.501	-1071.078	1
41258_1259	41258	1259	-31.508	-58.092	0.667	-6.222	64.535	1167.496	1
41259_1259	41259	1259	18.748	-11.893	3.506	2.479	-43.648	-1302.22	1
41259_1260	41259	1260	-31.926	-55.573	-4.683	-7.866	15.064	1378.806	1
41260_1260	41260	1260	21.749	-14.502	3.897	0.824	-10.369	-1482.112	1
41260_1261	41260	1261	-32.852	-52.458	-4.558	-6.191	-29.876	1559.594	1
41261_1261	41261	1261	24.324	-17.154	4.196	1.391	26.761	-1628.688	1
41261_1262	41261	1262	-32.96	-51.521	-4.509	-5.952	-44.662	1619.067	1
41262_1262	41262	1262	25.22	-17.423	-0.09	3.177	40.449	-1673.98	1
41262_1263	41262	1263	-34.87	-47.889	0.117	-9.034	-44.423	1798.554	1
41263_1263	41263	1263	27.897	-21.036	-0.177	-1.472	40.985	-1818.266	1
41263_1264	41263	1264	-36.504	-43.04	0.249	-4.421	-42.046	1939.241	1
41264_1264	41264	1264	30.506	-23.658	-0.052	1.715	40.002	-1936.537	1
41264_1265	41264	1265	-37.775	-40.035	0.146	-7.6	-40.755	2040.382	1
41265_1265	41265	1265	32.734	-27.952	-0.188	-3.844	40.051	-2031.331	1
41265_1266	41265	1266	-38.695	-35.365	0.292	-1.922	-37.31	2084.407	1
41266_1266	41266	1266	34.642	-30.645	-0.15	-1.138	37.834	-2078.027	1
41266_1267	41266	1267	-39.253	-32.466	0.376	-4.501	-32.764	2091.1	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41267_1267	41267	1267	36.282	-35.303	-0.288	-4.777	35.393	-2093.006	1
41267_1268	41267	1268	-39.371	-28.019	0.503	-0.834	-26.252	2044.802	1
41268_1268	41268	1268	37.59	-38.321	-0.509	-2.78	30.576	-2052.184	1
41268_1269	41268	1269	-38.867	-24.547	0.806	-3.036	-14.667	1954.047	1
41269_1269	41269	1269	38.676	-43.697	-0.718	-7.403	21.094	-1958.279	1
41269_1270	41269	1270	-37.809	-20.547	0.933	1.682	-2.988	1831.659	1
41270_1270	41270	1270	39.243	-47.458	3.326	-3.903	9.416	-1816.067	1
41270_1271	41270	1271	-36.524	-18.211	-3.053	-1.449	-30.846	1716.495	1
41271_1271	41271	1271	39.388	-51.194	3.328	-6.92	38.431	-1673.884	1
41271_1272	41271	1272	-34.41	-14.877	-2.659	1.472	-58.09	1553.995	1
41272_1272	41272	1272	39.422	-55.429	3.252	-9.627	73.663	-1462.101	1
41272_1273	41272	1273	-33.444	-13.88	-2.447	4.854	-65.941	1487.451	1
41273_1273	41273	1273	39.603	-50.787	-1.689	-4.013	85.875	-1377.066	1
41273_1274	41273	1274	-31.281	-16.031	0.509	-0.73	-56.201	1387.149	1
41274_1274	41274	1274	39.72	-53.312	-1.597	-5.755	70.433	-1244.994	1
41274_1275	41274	1275	-28.991	-13.936	0.301	1.093	-50.052	1270.426	1
41275_1275	41275	1275	39.537	-55.82	-1.547	-9.955	56.617	-1114.13	1
41275_1276	41275	1276	-27.624	-13.02	0.285	5.66	-47.573	1209.509	1
41276_1276	41276	1276	39.491	-52.463	-9.586	-5.977	50.103	-1037.952	1
41276_1277	41276	1277	-23.662	-12.639	9.373	0.151	64.752	1027.311	1
41277_1277	41277	1277	38.891	-56.077	-9.915	-5.955	-65.717	-847.256	1
41277_1278	41277	1278	-19.222	-9.215	8.744	0.818	172.396	782.261	1
41278_1278	41278	1278	36.943	-53.232	17.808	-28.945	-197.17	-602.117	1
41278_1279	41278	1279	-15.22	-12.77	-14.171	21.751	24.44	622.851	1
41279_1279	41279	1279	-61.506	-18.775	8.364	13.778	-6.137	-1009.162	1
41279_1280	41279	1280	48.346	-49.459	-5.64	-14.426	-48.749	727.584	1
41280_1280	41280	1280	-58.383	-21.311	8.136	13.257	71.373	-1048.085	1
41280_1281	41280	1281	47.915	-47.4	-5.133	-13.058	-71.084	790.335	1
41281_1281	41281	1281	-56.551	-21.101	-4.666	0.278	112.351	-1044.938	1
41281_1282	41281	1282	48.042	-44.111	1.965	-2.858	-25.31	899.874	1
41282_1282	41282	1282	-52.664	-24.924	-4.057	-1.913	50.166	-1077.282	1
41282_1283	41282	1283	50.051	-39.105	0.871	-1.19	-3.476	991.434	1
41283_1283	41283	1283	-49.46	-25.995	-0.026	-0.598	1.79	-1076.115	1
41283_1284	41283	1284	53.918	-36.012	0.13	-2.905	-1.685	1069.379	1
41284_1284	41284	1284	-47.889	-30.791	0.106	-2.95	1.993	-1093.053	1
41284_1285	41284	1285	58.768	-31.456	-0.027	-0.542	-1.15	1098.924	1
41285_1285	41285	1285	-47.973	-32.864	-0.504	-0.597	3.126	-1073.406	1
41285_1286	41285	1286	65.07	-29.162	-0.786	-2.944	-8.833	1117.812	1
41286_1286	41286	1286	-49.6	-37.7	-0.056	-2.611	0.661	-1043.079	1
41286_1287	41286	1287	71.95	-25.197	-1.246	-0.576	-23.431	1107.554	1
41287_1287	41287	1287	-52.432	-39.774	0.484	-0.858	5.914	-975.056	1
41287_1288	41287	1288	81.54	-23.056	-1.825	-2.892	-52.204	1102.159	1
41288_1288	41288	1288	-57.883	-45.504	1.046	-2.555	23.984	-878.662	1
41288_1289	41288	1289	89.582	-19.543	-2.365	-0.125	-85.45	1066.068	1
41289_1289	41289	1289	-64.028	-48.171	-1.947	-5.236	49.103	-759.338	1
41289_1290	41289	1290	92.458	-20.332	4.023	5.137	-72.487	1054.579	1
41290_1290	41290	1290	-66.508	-49.765	-2.061	-6.388	45.092	-715.416	1
41290_1291	41290	1291	98.665	-17.624	4.237	6.502	-37.032	1016.647	1
41291_1291	41291	1291	3.13	-7.162	-5.08	10.091	-18.302	-589.325	1
41291_1292	41291	1292	-13.779	-64.196	8.36	-16.159	72.296	657.134	1
41292_1292	41292	1292	4.142	-4.599	3.117	1.339	-59.879	-760.519	1
41292_1293	41292	1293	-13.218	-65.602	-2.923	-4.914	32.816	1062.053	1
41293_1293	41293	1293	5.188	-7.08	3.218	-1.455	-25.039	-1095.724	1
41293_1294	41293	1294	-11.904	-62.476	-2.669	-2.363	2.214	1400.294	1
41294_1294	41294	1294	6.132	-9.594	0.113	5.058	7.184	-1383.267	1
41294_1295	41294	1295	-10.964	-60.748	-0.581	-8.503	-0.995	1603.754	1
41295_1295	41295	1295	6.801	-11.234	0.173	-0.147	6.41	-1556.125	1
41295_1296	41295	1296	-10.235	-58.578	-0.58	-2.609	-5.51	1798.761	1
41296_1296	41296	1296	7.438	-13.052	0.252	-1.51	6.699	-1726.411	1
41296_1297	41296	1297	-9.921	-55.747	-0.6	-1.467	-11.471	2024.41	1
41297_1297	41297	1297	8.033	-13.788	0.315	5.378	8.874	-1923.641	1
41297_1298	41297	1298	-10.033	-56.249	-0.14	-8.829	-12.583	2127.534	1
41298_1298	41298	1298	8.288	-14.91	0.298	2.794	10.236	-2018.734	1
41298_1299	41298	1299	-10.282	-53.253	-0.058	-6.032	-14.091	2329.256	1
41299_1299	41299	1299	8.789	-17.374	0.243	-3.356	12.775	-2200.705	1
41299_1300	41299	1300	-10.539	-48.961	0.057	0.195	-14.027	2562.544	1
41300_1300	41300	1300	9.402	-19.151	-0.192	3.963	15.069	-2430.424	1
41300_1301	41300	1301	-10.692	-46.483	0.342	-7.688	-9.784	2777.474	1
41301_1301	41301	1301	9.938	-23.361	-0.284	-5.188	11.545	-2663.609	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41301_1302	41301	1302	-10.697	-42.295	0.405	2.212	-5.132	2898.803	1
41302_1302	41302	1302	10.282	-24.715	-0.124	4.402	6.932	-2818.007	1
41302_1303	41302	1303	-10.555	-39.925	0.246	-7.894	-2.289	2996.171	1
41303_1303	41303	1303	10.562	-29.341	-0.209	-7.913	3.836	-2968.745	1
41303_1304	41303	1304	-10.294	-35.705	0.315	4.758	0.984	3004.406	1
41304_1304	41304	1304	10.684	-30.465	-0.23	2.969	0.197	-3030.748	1
41304_1305	41304	1305	-9.81	-33.462	0.314	-5.835	4.274	2963.798	1
41305_1305	41305	1305	10.69	-35.195	-0.3	-7.905	-3.969	-3067.285	1
41305_1306	41305	1306	-9.211	-28.897	0.36	4.58	7.628	2843.416	1
41306_1306	41306	1306	10.567	-36.34	-0.314	1.62	-8.381	-3025.419	1
41306_1307	41306	1307	-8.397	-26.841	0.341	-3.965	10.162	2664.423	1
41307_1307	41307	1307	10.293	-40.896	-0.361	-7.578	-12.451	-2943.847	1
41307_1308	41307	1308	-7.286	-21.409	0.361	3.866	12.769	2364.426	1
41308_1308	41308	1308	9.832	-42.961	-0.234	-0.035	-17.095	-2763.03	1
41308_1309	41308	1309	-5.956	-18.127	0.333	-2.111	13.839	1988.344	1
41309_1309	41309	1309	9.198	-48.06	-0.304	-8.659	-19.491	-2526.685	1
41309_1310	41309	1310	-4.293	-12.244	0.321	3.544	13.984	1480.741	1
41310_1310	41310	1310	8.344	-51.469	0.83	-2.505	-22.707	-2177.4	1
41310_1311	41310	1311	-2.593	-7.511	-0.264	-0.269	5.247	906.439	1
41311_1311	41311	1311	7.208	-57.491	0.707	-7.909	-11.498	-1711.223	1
41311_1312	41311	1312	3.237	-6.374	0.328	-1.645	-12.488	-87.88	1
41312_1312	41312	1312	5.788	-63.339	0.152	-4.445	-2.731	-1100.387	1
41312_1313	41312	1313	3.311	-6.123	0.662	-1.819	0	22.421	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
1000_1000	1000	1000	3.887	21.712	-0.203	1.096	0	13.272	1
1000_1001	1000	1001	73.523	-56.599	0.167	-0.793	2.833	604.466	1
1001_1001	1001	1001	5.758	-5.145	0.247	-0.27	4.202	51.417	1
1001_1002	1001	1002	108.971	-50.901	0.186	-1.237	5.197	892.818	1
1002_1002	1002	1002	10.035	-5.241	-0.321	-0.239	6.59	87.082	1
1002_1003	1002	1003	141.301	-41.676	-0.108	-0.731	4.029	1155.121	1
1003_1003	1003	1003	15.069	-5.241	-0.321	-0.264	2.677	127.731	1
1003_1004	1003	1004	165.846	-35.904	-0.113	-1.099	2.685	1355.023	1
1004_1004	1004	1004	20.117	-5.235	-0.143	-0.212	-1.238	168.367	1
1004_1005	1004	1005	185.472	-34.242	-0.065	-0.547	1.476	1514.735	1
1005_1005	1005	1005	25.147	-5.235	-0.143	-0.252	-2.985	208.985	1
1005_1006	1005	1006	197.287	-29.071	-0.053	-0.95	0.326	1610.999	1
1006_1006	1006	1006	30.179	-5.434	-0.079	-0.18	-4.735	249.589	1
1006_1007	1006	1007	206.576	-28.697	-0.039	-0.294	-0.857	1686.544	1
1007_1007	1007	1007	35.398	-5.434	-0.079	-0.236	-5.698	291.736	1
1007_1008	1007	1008	209.244	-23.875	-0.02	-0.723	-1.781	1708.33	1
1008_1008	1008	1008	40.616	-5.654	-0.072	-0.145	-6.663	333.872	1
1008_1009	1008	1009	210.555	-23.928	-0.044	-0.071	-3.093	1718.937	1
1009_1009	1009	1009	46.033	-5.657	-0.071	-0.209	-7.511	377.727	1
1009_1010	1009	1010	206.306	-2.541	-0.053	-0.235	-3.238	1684.614	1
1010_1010	1010	1010	51.468	-5.95	-0.075	-0.041	-8.382	421.617	1
1010_1011	1010	1011	202.919	-2.561	-0.091	0.601	-4.776	1657.253	1
1011_1011	1011	1011	57.181	-5.95	-0.075	-0.231	-9.292	467.758	1
1011_1012	1011	1012	193.9	2.173	-0.07	-0.212	-5.937	1584.197	1
1012_1012	1012	1012	62.89	-6.265	-0.067	-0.132	-10.205	513.869	1
1012_1013	1012	1013	183.639	2.593	-0.113	0.287	-7.645	1500.911	1
1013_1013	1013	1013	68.907	-6.265	-0.067	-0.024	-11.018	562.465	1
1013_1014	1013	1014	168.269	7.218	-0.086	0.412	-8.796	1376.188	1
1014_1014	1014	1014	74.923	-6.316	-0.026	-0.085	-11.829	611.057	1
1014_1015	1014	1015	143.389	10.467	0.024	0.387	-8.334	1174.154	1
1015_1015	1015	1015	91.346	-6.059	-0.017	0.128	-8.242	690.339	1
1015_1016	1015	1016	137.53	13.691	0.022	0.352	-5.292	1076.099	1
1016_1016	1016	1016	93.605	-5.797	0.038	0.016	-8.289	726.627	1
1016_1017	1016	1017	103.819	16.091	0.209	0.238	-2.717	910.278	1
1017_1017	1017	1017	90.257	-5.59	0.038	0.317	-7.828	790.385	1
1017_1018	1017	1018	65.845	1.254	0.133	0.229	-1.459	717.112	1
1018_1018	1018	1018	80.89	-5.355	-0.141	0.139	-7.347	867.873	1
1018_1019	1018	1019	36.732	4.102	-0.169	0.147	-4.418	516.034	1
1019_1019	1019	1019	69.496	-5.513	-0.142	0.578	-9.017	945.867	1
1019_1020	1019	1020	21.438	-1.636	-0.026	0.209	-4.473	374.636	1
1020_1020	1020	1020	39.462	23.439	0.004	0.17	-3.386	508.753	1
1020_1021	1020	1021	115.052	-28.012	0.764	-0.036	-16.623	516.415	1
1021_1021	1021	1021	21.393	17.649	0.126	0.13	-5.703	363.29	1
1021_1022	1021	1022	119.121	-25.474	0.566	-0.093	-7.738	555.532	1
1022_1022	1022	1022	3.414	12.189	0.253	0.133	-7.129	290.015	1
1022_1023	1022	1023	121.187	-22.76	0.53	-0.066	-2.902	595.502	1
1023_1023	1023	1023	-12.964	3.537	0.197	0.101	-7.932	252.81	1
1023_1024	1023	1024	122.716	-20.44	0.082	0.009	-1.74	630.346	1
1024_1024	1024	1024	-13.328	2.15	0.2	0.092	-6.642	238.267	1
1024_1025	1024	1025	123.213	-17.232	0.07	-0.033	-0.762	655.484	1
1025_1025	1025	1025	-13.647	1.775	0.208	0.117	-5.099	228.508	1
1025_1026	1025	1026	123.057	-13.723	0.051	0.006	-0.046	671.772	1
1026_1026	1026	1026	-12.177	1.088	0.147	0.084	-3.52	221.139	1
1026_1027	1026	1027	122.988	-12.917	0.022	-0.012	0.215	681.807	1
1027_1027	1027	1027	-12.768	1.088	0.16	0.124	-2.636	216.979	1
1027_1028	1027	1028	122.325	-10.124	0.01	0.086	0.369	685.072	1
1028_1028	1028	1028	-11.916	0.895	0.159	0.117	-1.704	213.459	1
1028_1029	1028	1029	120.353	-21.632	-0.018	-0.062	0.477	678.602	1
1029_1029	1029	1029	-11.866	0.835	0.159	0.119	-0.766	210.086	1
1029_1030	1029	1030	119.685	-18.965	-0.024	-0.077	0.329	668.638	1
1030_1030	1030	1030	-11.094	0.444	0.207	0.139	0.158	207.25	1
1030_1031	1030	1031	118.754	-17.291	-0.062	0.005	-0.234	651.867	1
1031_1031	1031	1031	-11.416	0.444	0.208	0.142	1.814	204.99	1
1031_1032	1031	1032	117.098	-14.055	-0.074	-0.026	-1.021	625.978	1
1032_1032	1032	1032	-10.138	0.33	0.203	0.135	3.362	203.064	1
1032_1033	1032	1033	114.32	-11.1	-0.085	-0.07	-1.995	589.762	1
1033_1033	1033	1033	-29.781	-5.251	-0.436	-0.17	-5.307	220.816	1
1033_1034	1033	1034	110.838	-8.848	-0.562	-0.088	-6.749	547.167	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1034_1034	1034	1034	-8.874	-12.149	-0.281	-0.191	-6.047	266.047	1
1034_1035	1034	1035	106.516	-6.353	-0.59	-0.085	-11.868	498.304	1
1035_1035	1035	1035	8.013	-17.469	-0.129	0.115	-6.797	360.622	1
1035_1036	1035	1036	99.89	-3.789	-0.855	0.275	-24.422	441.186	1
1036_1036	1036	1036	89.233	33.116	-0.321	0.706	9.204	1032.106	1
1036_1037	1036	1037	15.669	-36.811	0.126	-0.313	-3.446	466.142	1
1037_1037	1037	1037	44.115	8.48	0.087	-0.201	-6.019	862.515	1
1037_1038	1037	1038	38.938	-33.62	0.222	-0.245	-1.012	632.962	1
1038_1038	1038	1038	52.472	8.022	-0.065	-0.237	-4.922	765.203	1
1038_1039	1038	1039	67.942	-30.35	-0.171	-0.318	-2.542	783.678	1
1039_1039	1039	1039	59.31	7.436	-0.062	-0.046	-5.793	667.762	1
1039_1040	1039	1040	93.052	-27.017	-0.185	-0.237	-4.501	892.726	1
1040_1040	1040	1040	59.389	7.237	0.036	-0.059	-6.521	599.354	1
1040_1041	1040	1041	106.206	-25.984	-0.054	-0.183	-4.953	972.514	1
1041_1041	1041	1041	64.795	7.086	0.018	-0.003	-2.977	514.563	1
1041_1042	1041	1042	139.388	-20.081	-0.032	-0.163	-2.934	1023.432	1
1042_1042	1042	1042	53.612	6.93	0.005	0.008	-2.688	443.737	1
1042_1043	1042	1043	151.74	-34.651	-0.006	-0.217	-3.161	1104.229	1
1043_1043	1043	1043	45.578	6.93	0.006	0.037	-2.629	392.849	1
1043_1044	1043	1044	161.042	-29.828	-0.004	-0.194	-3.213	1159.784	1
1044_1044	1044	1044	37.546	6.85	0.011	0.036	-2.552	341.971	1
1044_1045	1044	1045	168.802	-28.297	0.001	-0.149	-3.198	1204.234	1
1045_1045	1045	1045	29.607	6.85	0.012	0.058	-2.42	291.677	1
1045_1046	1045	1046	170.8	-23.477	0.002	-0.119	-3.155	1211.208	1
1046_1046	1046	1046	35.74	-7.12	-0.018	-0.057	-2.472	255.139	1
1046_1047	1046	1047	169.639	-6.271	-0.002	0.054	-3.191	1209.326	1
1047_1047	1047	1047	43.815	-7.131	-0.017	-0.036	-2.676	307.465	1
1047_1048	1047	1048	164.373	-1.341	-0.001	0.074	-3.217	1170.27	1
1048_1048	1048	1048	52.08	-7.21	-0.014	-0.052	-2.882	359.816	1
1048_1049	1048	1049	157.54	0.01	0.001	0.084	-3.227	1120.474	1
1049_1049	1049	1049	60.442	-7.21	-0.014	0.008	-3.056	412.782	1
1049_1050	1049	1050	148.845	-11.648	0.003	0.066	-3.046	1041.005	1
1050_1050	1050	1050	68.796	-7.317	-0.017	-0.018	-3.22	465.708	1
1050_1051	1050	1051	132.178	-9.839	0.021	0.043	-2.55	921.289	1
1051_1051	1051	1051	76.505	-7.191	-0.018	0.113	-3.993	557.852	1
1051_1052	1051	1052	112.232	-5.856	0.022	0.192	-2.677	878.393	1
1052_1052	1052	1052	80.196	-6.893	0.017	0.021	-4.148	598.426	1
1052_1053	1052	1053	87.695	-3.695	0.096	0.106	-1.528	769.609	1
1053_1053	1053	1053	72.218	-7.05	0.024	0.371	-5.372	703.46	1
1053_1054	1053	1054	50.36	-0.329	0.105	0.3	-0.911	663.853	1
1054_1054	1054	1054	65.942	-6.972	-0.095	0.212	-5.015	790.132	1
1054_1055	1054	1055	27.551	2.609	-0.132	0.196	-3.18	491.975	1
1055_1055	1055	1055	57.314	-7.288	-0.095	0.591	-6.154	877.673	1
1055_1056	1055	1056	18.211	-2.195	-0.012	0.164	-1.95	331.2	1
1056_1056	1056	1056	26.293	20.873	0.039	0.289	-3.513	470.653	1
1056_1057	1056	1057	115.493	-27.339	0.524	-0.059	-10.727	560.382	1
1057_1057	1057	1057	4.56	14.371	0.149	0.271	-5.679	354.41	1
1057_1058	1057	1058	119.426	-24.81	0.45	-0.105	-5.497	617.7	1
1058_1058	1058	1058	-15.05	6.421	0.275	0.197	-7.338	296.064	1
1058_1059	1058	1059	122.355	-22.054	0.429	-0.187	-1.645	664.874	1
1059_1059	1059	1059	-17.224	3.318	0.142	0.191	-5.883	273.619	1
1059_1060	1059	1060	124.602	-19.786	0.055	-0.091	-0.865	705.607	1
1060_1060	1060	1060	-16.508	2.348	0.149	0.237	-4.89	258.857	1
1060_1061	1060	1061	125.703	-16.577	0.042	-0.025	-0.249	734.72	1
1061_1061	1061	1061	-15.947	1.912	0.156	0.293	-3.749	247.578	1
1061_1062	1061	1062	126.016	-13.101	0.028	0.074	0.184	753.404	1
1062_1062	1062	1062	-15.179	1.446	0.114	0.202	-2.55	238.351	1
1062_1063	1062	1063	126.199	-12.329	0.017	-0.062	0.365	764.536	1
1063_1063	1063	1063	-14.571	1.284	0.122	0.268	-1.896	232.837	1
1063_1064	1063	1064	124.922	-24.362	-0.009	-0.12	0.518	768.221	1
1064_1064	1064	1064	-12.882	-0.996	-0.121	-0.261	-0.742	235.095	1
1064_1065	1064	1065	124.826	-21.636	-0.013	-0.17	0.431	763.685	1
1065_1065	1065	1065	-14.631	-1.194	-0.112	-0.191	-1.431	239.39	1
1065_1066	1065	1066	124.123	-19.033	-0.023	0.001	0.263	751.652	1
1066_1066	1066	1066	-14.033	-1.366	-0.149	-0.261	-2.103	244.157	1
1066_1067	1066	1067	123.182	-17.439	-0.041	-0.104	-0.17	732.109	1
1067_1067	1067	1067	-15.45	-1.65	-0.144	-0.207	-3.265	252.742	1
1067_1068	1067	1068	121.542	-14.248	-0.052	-0.017	-0.78	702.457	1
1068_1068	1068	1068	-18.155	-2.318	-0.146	-0.223	-4.339	263.503	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1068_1069	1068	1069	118.863	-11.321	-0.059	-0.109	-1.5	661.859	1
1069_1069	1069	1069	-19.387	-3.226	-0.302	-0.169	-5.373	277.952	1
1069_1070	1069	1070	115.549	-9.277	-0.457	0.107	-5.379	614.999	1
1070_1070	1070	1070	-18.633	-6.299	-0.286	-0.197	-6.945	300.851	1
1070_1071	1070	1071	111.373	-6.785	-0.472	0.019	-9.499	560.996	1
1071_1071	1071	1071	0.951	-14.5	-0.171	-0.232	-6.195	365.118	1
1071_1072	1071	1072	105.821	-4.154	-0.559	-0.054	-16.927	489.594	1
1072_1072	1072	1072	44.756	7.636	0.094	-0.615	-6.901	992.139	1
1072_1073	1072	1073	19.583	-37.134	0.133	-0.408	-3.225	496.505	1
1073_1073	1073	1073	54.499	7.107	0.094	-0.246	-5.844	897.239	1
1073_1074	1073	1074	43.525	-33.834	0.203	-0.328	-0.906	674.718	1
1074_1074	1074	1074	63.484	7.005	-0.036	-0.378	-4.653	810.214	1
1074_1075	1074	1075	73.447	-30.579	-0.134	-0.498	-2.073	839.186	1
1075_1075	1075	1075	78.453	6.621	-0.025	-0.02	-3.775	682.43	1
1075_1076	1075	1076	110.649	-27.094	-0.11	-0.195	-2.714	908.603	1
1076_1076	1076	1076	79.514	6.694	0.01	-0.108	-4.084	620.304	1
1076_1077	1076	1077	126.316	-26.062	-0.028	-0.236	-3.001	995.57	1
1077_1077	1077	1077	70.443	6.843	0.016	0.043	-5.622	590.701	1
1077_1078	1077	1078	134.39	-38.049	-0.037	-0.484	-5.158	1161.689	1
1078_1078	1078	1078	61.84	6.788	0.019	-0.017	-5.384	526.167	1
1078_1079	1078	1079	147.973	-36.021	0.017	-0.51	-5.049	1263.141	1
1079_1079	1079	1079	55.362	6.788	0.02	0.064	-5.171	477.582	1
1079_1080	1079	1080	157.264	-31.597	0.026	-0.414	-4.783	1331.297	1
1080_1080	1080	1080	49.463	6.712	0.028	0.047	-4.981	428.969	1
1080_1081	1080	1081	165.32	-30.491	0.009	-0.382	-4.716	1389.336	1
1081_1081	1081	1081	43.053	6.712	0.029	0.109	-4.667	380.892	1
1081_1082	1081	1082	168.745	-26.083	0.016	-0.276	-4.546	1412.035	1
1082_1082	1082	1082	36.645	6.659	0.029	0.075	-4.341	332.824	1
1082_1083	1082	1083	170.14	-8.512	-0.003	-0.092	-4.616	1425.537	1
1083_1083	1083	1083	29.811	6.659	0.031	0.161	-3.995	281.566	1
1083_1084	1083	1084	167.911	-3.707	0.006	0.21	-4.518	1405.581	1
1084_1084	1084	1084	40.141	-6.144	-0.034	-0.125	-4.184	326.21	1
1084_1085	1084	1085	164.642	-2.966	-0.018	0.057	-4.739	1377.606	1
1085_1085	1085	1085	46.006	-6.144	-0.033	-0.004	-4.567	370.209	1
1085_1086	1085	1086	156.733	1.498	-0.009	0.382	-4.821	1314.358	1
1086_1086	1086	1086	51.68	-6.243	-0.027	-0.096	-4.92	414.238	1
1086_1087	1086	1087	147.842	2.38	-0.015	0.187	-4.993	1243.3	1
1087_1087	1087	1087	57.64	-6.243	-0.026	0.054	-5.224	458.947	1
1087_1088	1087	1088	134.685	6.79	-0.005	0.466	-4.978	1139.599	1
1088_1088	1088	1088	63.601	-6.304	-0.035	0.026	-5.517	503.665	1
1088_1089	1088	1089	119.489	-8.092	0.01	0.215	-4.419	999.831	1
1089_1089	1089	1089	70.054	-6.179	-0.031	0.078	-5.31	586.854	1
1089_1090	1089	1090	103.726	-5.185	0.009	0.145	-3.755	952.816	1
1090_1090	1090	1090	72.699	-5.857	0.026	0.061	-5.569	623.692	1
1090_1091	1090	1091	79.311	-3.108	0.124	0.223	-2.204	821.437	1
1091_1091	1091	1091	70.001	-5.878	0.035	0.321	-6.568	689.533	1
1091_1092	1091	1092	48.168	0.295	0.125	0.241	-1.298	661.278	1
1092_1092	1092	1092	63.281	-5.778	-0.127	0.144	-6.13	765.048	1
1092_1093	1092	1093	25.14	3.025	-0.176	0.15	-4.157	478.635	1
1093_1093	1093	1093	54.629	-6.008	-0.125	0.631	-7.683	841.249	1
1093_1094	1093	1094	24.444	-5.448	-0.019	-0.105	-0.113	285.015	1
1094_1094	1094	1094	25.442	20.623	0.043	0.246	-4.011	467.411	1
1094_1095	1094	1095	115.082	-27.388	0.593	-0.092	-12.083	561.718	1
1095_1095	1095	1095	3.189	14.247	0.202	0.224	-8.073	359.34	1
1095_1096	1095	1096	115.637	-24.895	0.64	-0.21	-7.691	633.406	1
1096_1096	1096	1096	-14.137	6.701	0.394	0.306	-10.36	297.881	1
1096_1097	1096	1097	118.12	-22.062	0.59	0.011	-2.378	682.124	1
1097_1097	1097	1097	-15.776	3.393	0.231	0.219	-8.396	273.276	1
1097_1098	1097	1098	119.956	-19.798	0.075	-0.034	-1.297	724.284	1
1098_1098	1098	1098	-15.161	2.442	0.244	0.272	-6.763	257.974	1
1098_1099	1098	1099	120.669	-16.504	0.055	0.065	-0.468	753.988	1
1099_1099	1099	1099	-13.495	1.762	0.243	0.26	-4.927	246.964	1
1099_1100	1099	1100	120.597	-12.945	0.042	-0.016	0.146	772.356	1
1100_1100	1100	1100	-16.562	-0.944	-0.145	-0.003	0.711	239.979	1
1100_1101	1100	1101	120.616	-12.571	-0.011	0.942	0.168	784.178	1
1101_1101	1101	1101	-17.133	-1.018	-0.145	-0.008	-0.115	244.065	1
1101_1102	1101	1102	118.851	-24.588	-0.045	0.75	0.065	789.894	1
1102_1102	1102	1102	-17.397	-1.083	-0.249	-0.592	-0.952	248.244	1
1102_1103	1102	1103	118.829	-21.832	0.011	-1.054	0.074	786.866	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1103_1103	1103	1103	-17.844	-1.166	-0.236	-0.51	-2.415	253.036	1
1103_1104	1103	1104	118.188	-19.199	-0.004	-0.77	-0.045	775.657	1
1104_1104	1104	1104	-19.477	-1.688	-0.24	-0.295	-3.775	258.28	1
1104_1105	1104	1105	117.518	-17.907	-0.052	-0.142	-0.69	758.605	1
1105_1105	1105	1105	-19.928	-1.889	-0.23	-0.229	-5.67	268.047	1
1105_1106	1105	1106	116.054	-14.604	-0.071	-0.033	-1.617	729.785	1
1106_1106	1106	1106	-21.561	-2.402	-0.233	-0.238	-7.441	279.644	1
1106_1107	1106	1107	113.48	-11.572	-0.083	-0.115	-2.734	688.451	1
1107_1107	1107	1107	-23.221	-3.443	-0.41	-0.196	-9.069	294.365	1
1107_1108	1107	1108	110.268	-9.482	-0.633	0.08	-8.222	640.007	1
1108_1108	1108	1108	-22.442	-5.536	-0.4	-0.212	-11.465	315.714	1
1108_1109	1108	1109	106.047	-6.89	-0.655	-0.007	-14.065	583.02	1
1109_1109	1109	1109	-1.967	-13.894	-0.192	-0.193	-7.93	363.733	1
1109_1110	1109	1110	102.968	-4.135	-0.616	-0.034	-19.521	495.899	1
1110_1110	1110	1110	42.821	8.359	0.136	-0.72	-9.991	1012.594	1
1110_1111	1110	1111	18.336	-36.528	0.184	-0.453	-4.809	509.133	1
1111_1111	1111	1111	51.844	7.835	0.139	-0.16	-8.348	910.867	1
1111_1112	1111	1112	41.155	-33.089	0.268	-0.253	-1.915	682.194	1
1112_1112	1112	1112	60.651	7.664	-0.022	-0.369	-6.658	817.737	1
1112_1113	1112	1113	69.341	-29.769	-0.136	-0.466	-3.206	839.154	1
1113_1113	1113	1113	68.523	7.327	-0.016	0.001	-5.527	717.361	1
1113_1114	1113	1114	94.457	-26.225	-0.117	-0.306	-3.868	944.292	1
1114_1114	1114	1114	68.765	7.433	0.031	-0.245	-5.705	648.253	1
1114_1115	1114	1115	106.867	-25.21	-0.021	-0.521	-4.112	1025.344	1
1115_1115	1115	1115	73.28	7.423	0.029	0.049	-4.539	544.952	1
1115_1116	1115	1116	135.374	-19.632	-0.014	-0.137	-3.735	1033.438	1
1116_1116	1116	1116	63.588	7.297	0.025	0.001	-4.151	478.69	1
1116_1117	1116	1117	144.517	-34.582	0.024	-0.312	-3.671	1108.257	1
1117_1117	1117	1117	56.023	7.297	0.026	0.051	-3.871	429.02	1
1117_1118	1117	1118	151.937	-30.013	0.031	-0.264	-3.32	1158.647	1
1118_1118	1118	1118	48.458	7.219	0.029	0.022	-3.579	379.352	1
1118_1119	1118	1119	158.407	-29.042	0.02	-0.301	-3.089	1201.873	1
1119_1119	1119	1119	40.968	7.219	0.031	0.098	-3.249	330.169	1
1119_1120	1119	1120	160.414	-8.536	0.026	0.051	-2.827	1214.175	1
1120_1120	1120	1120	33.484	7.172	0.03	0.074	-2.896	281.032	1
1120_1121	1120	1121	161.248	-7.513	0.015	0.035	-2.624	1220.491	1
1121_1121	1121	1121	25.488	7.172	0.031	0.098	-2.536	228.531	1
1121_1122	1121	1122	156.334	-2.542	0.019	0.075	-2.341	1188.182	1
1122_1122	1122	1122	20.147	-4.287	-0.01	-0.048	-1.837	191.149	1
1122_1123	1122	1123	150.643	-1.84	0.005	0.134	-2.272	1150.034	1
1123_1123	1123	1123	24.596	-4.287	-0.009	-0.022	-1.949	220.354	1
1123_1124	1123	1124	139.999	2.769	0.009	0.18	-2.141	1078.695	1
1124_1124	1124	1124	29.04	-4.372	-0.007	-0.045	-2.049	249.534	1
1124_1125	1124	1125	128.52	3.618	-0.004	0.154	-2.196	1001.07	1
1125_1125	1125	1125	33.576	-4.372	-0.005	0.02	-2.129	279.316	1
1125_1126	1125	1126	114.675	-8.603	0.008	0.124	-2.05	894.629	1
1126_1126	1126	1126	38.108	-4.48	-0.001	-0.012	-2.187	309.071	1
1126_1127	1126	1127	97.761	-6.588	0.047	0.082	-1.355	771.996	1
1127_1127	1127	1127	45.321	-4.462	0	0.046	-1.951	351.744	1
1127_1128	1127	1128	86.965	-3.924	0.043	0.096	-0.86	700.858	1
1128_1128	1128	1128	47.62	-4.507	0.021	0.002	-1.951	376.509	1
1128_1129	1128	1129	63.321	-2.361	0.098	0.051	0.229	590.205	1
1129_1129	1129	1129	41.689	-4.867	0.029	0.229	-2.075	448.65	1
1129_1130	1129	1130	30.076	0.716	0.101	0.201	1.25	484.044	1
1130_1130	1130	1130	87.221	-24.635	0.143	-0.457	-1.61	618.208	1
1130_1131	1130	1131	11.146	3.192	-0.182	0.115	-1.754	324.648	1
1131_1131	1131	1131	96.087	-29.075	0.188	-0.465	0.448	879.454	1
1131_1132	1131	1132	32.506	-5.523	-0.027	-0.018	-1.861	366.074	1
1132_1132	1132	1132	31.3	24.739	-0.071	0.455	1.242	433.009	1
1132_1133	1132	1133	105.684	-29.062	0.402	0.471	-7.394	445.953	1
1133_1133	1133	1133	13.956	19.191	0.002	0.27	-0.722	279.682	1
1133_1134	1133	1134	112.249	-26.121	0.368	0.198	-3.556	500.398	1
1134_1134	1134	1134	-6.072	2.688	-0.227	-0.518	2.765	266.307	1
1134_1135	1134	1135	116.492	-23.12	0.433	-0.7	0.086	554.278	1
1135_1135	1135	1135	-7.98	2.023	-0.066	-0.136	1.008	253.115	1
1135_1136	1135	1136	120.558	-21.406	-0.001	0.023	0.211	605.271	1
1136_1136	1136	1136	-10.825	1.971	-0.074	-0.175	0.531	242.833	1
1136_1137	1136	1137	122.893	-17.88	0.002	-0.112	0.309	642.682	1
1137_1137	1137	1137	-13.274	1.927	-0.067	-0.142	-0.032	232.822	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1137_1138	1137	1138	120.029	-27.491	-0.017	-0.148	0.287	671.038	1
1138_1138	1138	1138	-14.677	1.644	-0.064	-0.117	-0.572	223.021	1
1138_1139	1138	1139	122.392	-26.812	-0.007	-0.104	0.22	690.747	1
1139_1139	1139	1139	-16.314	1.596	-0.055	-0.073	-0.944	216.758	1
1139_1140	1139	1140	123.297	-23.718	-0.013	0.005	0.103	698.37	1
1140_1140	1140	1140	-18.123	1.534	-0.055	-0.074	-1.254	210.884	1
1140_1141	1140	1141	122.715	-20.693	-0.013	-0.024	-0.024	693.781	1
1141_1141	1141	1141	-20.2	1.43	-0.065	-0.117	-1.559	205.147	1
1141_1142	1141	1142	121.253	-17.822	-0.009	-0.179	-0.127	680.758	1
1142_1142	1142	1142	-21.861	1.172	-0.072	-0.06	-1.933	199.899	1
1142_1143	1142	1143	119.094	-16.197	-0.015	0.058	-0.332	659.015	1
1143_1143	1143	1143	-25.204	0.844	-0.074	-0.063	-2.466	194.754	1
1143_1144	1143	1144	115.716	-12.666	-0.018	0.019	-0.606	624.994	1
1144_1144	1144	1144	3.719	-2.36	0.063	0.088	1.482	193.035	1
1144_1145	1144	1145	110.776	-9.43	-0.016	-0.104	-0.897	577.878	1
1145_1145	1145	1145	6.776	-2.665	0.147	0.135	1.921	205.229	1
1145_1146	1145	1146	105.156	-7.284	-0.329	0.1	-3.65	524.263	1
1146_1146	1146	1146	-11.635	-11.57	-0.082	-0.117	-2.62	227.176	1
1146_1147	1146	1147	98.213	-4.523	-0.336	0.055	-6.521	462	1
1147_1147	1147	1147	2.553	-16.38	-0.029	-0.195	-2.081	313.678	1
1147_1148	1147	1148	87.917	-1.608	-0.362	-0.036	-10.678	384.875	1
1148_1148	1148	1148	103.392	30.575	-0.224	0.596	4.683	955.944	1
1148_1149	1148	1149	6.015	-35.149	0.094	-0.23	-1.889	406.503	1
1149_1149	1149	1149	33.171	9.545	0.058	-0.103	-3.491	748.9	1
1149_1150	1149	1150	25.252	-31.622	0.151	-0.192	-0.053	553.652	1
1150_1150	1150	1150	38.919	8.691	-0.01	-0.181	-2.76	647.641	1
1150_1151	1150	1151	49.172	-28.43	-0.093	-0.282	-0.647	684.453	1
1151_1151	1151	1151	49.864	7.771	-0.006	-0.012	-2.38	513.447	1
1151_1152	1151	1152	79.645	-24.979	-0.084	-0.135	-1.307	722.419	1
1152_1152	1152	1152	47.89	7.378	0.01	-0.017	-2.445	447.598	1
1152_1153	1152	1153	91.047	-24.261	-0.035	-0.089	-1.545	785.85	1
1153_1153	1153	1153	47.193	7.218	0.009	0.01	-2.008	390.199	1
1153_1154	1153	1154	109.662	-18.994	-0.034	-0.087	-1.754	836.2	1
1154_1154	1154	1154	37.199	7.029	0.012	0.011	-1.884	331.15	1
1154_1155	1154	1155	118.217	-17.569	0.004	-0.05	-1.748	895.965	1
1155_1155	1155	1155	29.375	7.029	0.014	0.029	-1.754	285.104	1
1155_1156	1155	1156	123.332	-12.882	0.006	-0.035	-1.683	932.387	1
1156_1156	1156	1156	21.552	6.93	0.013	0.024	-1.605	239.063	1
1156_1157	1156	1157	127.037	-11.969	0.003	-0.013	-1.68	958.119	1
1157_1157	1157	1157	14.525	6.93	0.015	0.038	-1.472	197.712	1
1157_1158	1157	1158	126.944	-7.571	0.005	0.015	-1.634	959.487	1
1158_1158	1158	1158	7.67	6.885	0.01	0.033	-1.325	156.415	1
1158_1159	1158	1159	126.202	-6.614	-0.002	0.03	-1.687	955.379	1
1159_1159	1159	1159	14.441	-6.087	-0.011	-0.021	-1.437	178.691	1
1159_1160	1159	1160	123.342	-17.352	-0.002	-0.023	-1.721	927.589	1
1160_1160	1160	1160	20.607	-6.196	-0.013	-0.018	-1.545	214.978	1
1160_1161	1160	1161	118.09	-15.996	-0.008	0.02	-1.804	889.016	1
1161_1161	1161	1161	27.461	-6.197	-0.013	-0.018	-1.683	255.57	1
1161_1162	1161	1162	109.332	-11.657	-0.007	-0.014	-1.861	827.126	1
1162_1162	1162	1162	34.357	-6.354	-0.003	-0.003	-1.823	296.166	1
1162_1163	1162	1163	97.207	-9.166	0.037	0.05	-1.308	739.576	1
1163_1163	1163	1163	40.663	-6.465	-0.004	0.007	-2.039	360.801	1
1163_1164	1163	1164	80.491	-6.416	0.035	0.032	-1.162	700.908	1
1164_1164	1164	1164	44.516	-6.753	0.01	0.025	-2.071	395.507	1
1164_1165	1164	1165	59.843	-4.617	0.072	0.086	-0.426	609.178	1
1165_1165	1165	1165	42.06	-7.382	0.012	0.107	-2.15	474.988	1
1165_1166	1165	1166	29.802	-1.379	0.061	0.081	0.025	510.06	1
1166_1166	1166	1166	39.032	-8.049	-0.042	0.076	-1.998	555.105	1
1166_1167	1166	1167	10.47	1.375	-0.08	0.083	-1.53	365.4	1
1167_1167	1167	1167	101.748	-24.218	0.149	-0.354	1.22	692.989	1
1167_1168	1167	1168	42.249	-3.664	-0.012	-0.03	-0.32	301.749	1
1168_1168	1168	1168	33.495	24.533	-0.053	0.213	0.598	433.542	1
1168_1169	1168	1169	100.642	-29.433	0.308	-0.038	-5.835	447.267	1
1169_1169	1169	1169	12.778	18.632	0.001	0.154	-0.896	289.847	1
1169_1170	1169	1170	108.686	-26.643	0.244	-0.109	-2.635	502.843	1
1170_1170	1170	1170	-4.324	13.762	0.039	0.118	-1.474	214.247	1
1170_1171	1170	1171	114.555	-23.671	0.236	-0.148	-0.602	555.099	1
1171_1171	1171	1171	8.14	2.205	-0.052	-0.083	1.187	202.243	1
1171_1172	1171	1172	119.613	-21.21	0.02	0.04	-0.313	600.677	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1172_1172	1172	1172	5.077	2.14	-0.057	-0.114	0.807	191.461	1
1172_1173	1172	1173	123.031	-17.737	0.021	-0.087	-0.051	634.024	1
1173_1173	1173	1173	3.434	2.139	-0.054	-0.088	0.356	180.862	1
1173_1174	1173	1174	125.19	-13.965	0.013	-0.037	0.121	655.93	1
1174_1174	1174	1174	-0.692	1.688	-0.039	-0.055	-0.038	170.316	1
1174_1175	1174	1175	126.602	-13.178	0	0.113	0.135	669.09	1
1175_1175	1175	1175	-1.671	1.687	-0.043	-0.085	-0.273	164.032	1
1175_1176	1175	1176	127.094	-10.193	0.004	-0.044	0.167	674.278	1
1176_1176	1176	1176	-12.948	-1.12	0.038	0.076	-0.535	163.312	1
1176_1177	1176	1177	126.028	-7.144	0	0.053	0.171	667.733	1
1177_1177	1177	1177	-12.183	-1.129	0.038	0.076	-0.307	167.482	1
1177_1178	1177	1178	127.29	-17.886	-0.004	-0.071	0.105	653.715	1
1178_1178	1178	1178	-11.543	-1.422	0.051	0.09	-0.077	171.692	1
1178_1179	1178	1179	125.838	-16.171	-0.019	-0.031	-0.08	631.263	1
1179_1179	1179	1179	-8.069	-1.55	0.054	0.111	0.284	179.298	1
1179_1180	1179	1180	123.11	-12.708	-0.025	0.016	-0.355	597.429	1
1180_1180	1180	1180	-6.891	-1.55	0.054	0.111	0.716	186.989	1
1180_1181	1180	1181	118.775	-9.532	-0.028	-0.022	-0.68	551.513	1
1181_1181	1181	1181	-5.592	-1.832	0.115	0.135	1.143	194.701	1
1181_1182	1181	1182	113.634	-7.299	-0.24	0.118	-2.681	499.245	1
1182_1182	1182	1182	0.436	-13.782	-0.037	-0.11	-1.444	209.987	1
1182_1183	1182	1183	107.201	-4.622	-0.245	0.078	-4.754	439.523	1
1183_1183	1183	1183	14.753	-19.246	0.004	-0.198	-0.866	297.976	1
1183_1184	1183	1184	98.797	-1.799	-0.283	-0.044	-8.407	361.307	1
1184_1184	1184	1184	98.07	34.009	-0.172	0.542	3.104	988.157	1
1184_1185	1184	1185	10.456	-36.911	0.069	-0.147	-1.375	338.172	1
1185_1185	1185	1185	90.31	28.57	-0.137	0.316	0.813	691.41	1
1185_1186	1185	1186	32.353	-33.509	0.111	-0.192	0.055	492.843	1
1186_1186	1186	1186	43.674	6.119	-0.012	-0.107	-1.926	518.141	1
1186_1187	1186	1187	60.17	-30.12	-0.079	-0.179	-0.433	634.729	1
1187_1187	1187	1187	50.863	5.716	-0.01	-0.027	-1.861	430.978	1
1187_1188	1187	1188	89.857	-26.576	-0.081	-0.147	-1.111	711.063	1
1188_1188	1188	1188	49.969	5.572	0.004	-0.007	-1.99	381.381	1
1188_1189	1188	1189	103.824	-25.496	-0.043	-0.075	-1.404	785.538	1
1189_1189	1189	1189	47.614	5.602	0.003	-0.002	-1.822	356.661	1
1189_1190	1189	1190	121.204	-20.331	-0.048	-0.135	-1.925	906.104	1
1190_1190	1190	1190	40.231	5.455	0.009	0.03	-1.795	308.908	1
1190_1191	1190	1191	132.093	-34.065	-0.01	-0.123	-2.037	991.575	1
1191_1191	1191	1191	34.313	5.455	0.009	0.011	-1.692	271.693	1
1191_1192	1191	1192	140.156	-29.31	-0.014	-0.237	-2.177	1043.875	1
1192_1192	1192	1192	28.394	5.355	0.009	0.027	-1.598	234.481	1
1192_1193	1192	1193	146.252	-27.947	-0.006	-0.134	-2.228	1082.316	1
1193_1193	1193	1193	23.054	5.355	0.01	0.042	-1.503	200.9	1
1193_1194	1193	1194	147.933	-23.596	-0.004	-0.105	-2.26	1091.645	1
1194_1194	1194	1194	27.116	-7.294	-0.02	-0.047	-1.876	219.265	1
1194_1195	1194	1195	148.577	-22.415	-0.016	-0.032	-2.419	1093.175	1
1195_1195	1195	1195	34.39	-7.294	-0.02	-0.047	-2.078	265.003	1
1195_1196	1195	1196	145.326	-18.224	-0.016	-0.078	-2.57	1068.637	1
1196_1196	1196	1196	41.217	-7.462	-0.018	-0.014	-2.263	310.773	1
1196_1197	1196	1197	140.166	-16.563	-0.005	0.074	-2.6	1030.147	1
1197_1197	1197	1197	49.313	-7.462	-0.019	-0.04	-2.464	361.683	1
1197_1198	1197	1198	131.491	-12.326	-0.008	-0.042	-2.64	967.379	1
1198_1198	1198	1198	57.198	-7.721	-0.005	-0.001	-2.662	412.557	1
1198_1199	1198	1199	119.006	-9.719	0.042	0.078	-1.981	875.973	1
1199_1199	1199	1199	65.76	-7.639	-0.006	0.018	-2.951	468.923	1
1199_1200	1199	1200	103.351	-6.847	0.039	0.065	-1.804	794.936	1
1200_1200	1200	1200	70.206	-7.598	0.007	0.057	-3	509.778	1
1200_1201	1200	1201	80.295	-4.576	0.06	0.143	-1.154	700.753	1
1201_1201	1201	1201	64.424	-7.891	0.01	0.216	-4.436	616.897	1
1201_1202	1201	1202	44.247	-1.3	0.07	0.169	-1.111	615.42	1
1202_1202	1202	1202	60.049	-8.153	-0.077	0.248	-4.298	706.686	1
1202_1203	1202	1203	22.279	1.588	-0.109	0.215	-3.025	459.783	1
1203_1203	1203	1203	53.027	-8.589	-0.077	0.42	-5.259	800.398	1
1203_1204	1203	1204	20.824	-2.133	-0.007	0.139	-2.455	312.905	1
1204_1204	1204	1204	32.099	23.057	0	0.321	-1.652	473.859	1
1204_1205	1204	1205	108.159	-27.974	0.454	0.014	-9.832	510.864	1
1205_1205	1205	1205	11.93	17.793	0.073	0.174	-3.389	340.811	1
1205_1206	1205	1206	114.139	-25.41	0.403	-0.173	-5.265	571.31	1
1206_1206	1206	1206	-6.462	12.147	0.158	0.118	-4.394	267.213	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1206_1207	1206	1207	118.196	-22.656	0.386	-0.22	-1.809	616.491	1
1207_1207	1207	1207	-20.975	4.312	0.128	0.125	-4.561	224.33	1
1207_1208	1207	1208	121.673	-20.323	0.072	-0.037	-0.914	655.863	1
1208_1208	1208	1208	-20.721	2.432	0.141	0.137	-3.743	207.637	1
1208_1209	1208	1209	123.829	-17.087	0.059	0.003	-0.187	684.209	1
1209_1209	1209	1209	-19.133	1.635	0.14	0.127	-2.677	197.607	1
1209_1210	1209	1210	125.136	-13.573	0.05	-0.05	0.387	702.877	1
1210_1210	1210	1210	-15.949	0.755	0.091	0.123	-1.624	191.016	1
1210_1211	1210	1211	126.032	-12.676	0.012	0.026	0.503	714.067	1
1211_1211	1211	1211	-15.737	0.685	0.1	0.158	-1.086	188.116	1
1211_1212	1211	1212	126.207	-9.886	0.003	0.13	0.55	717.94	1
1212_1212	1212	1212	-14.231	0.491	0.099	0.153	-0.51	186.036	1
1212_1213	1212	1213	127.59	-21.578	-0.013	-0.054	0.397	713.722	1
1213_1213	1213	1213	-12.157	0.294	0.09	0.113	0.048	184.237	1
1213_1214	1213	1214	127.293	-18.925	-0.01	-0.213	0.284	702.947	1
1214_1214	1214	1214	-10.207	-1.03	-0.137	-0.101	-2.076	187.096	1
1214_1215	1214	1215	126.633	-17.102	-0.066	0.061	-0.357	683.895	1
1215_1215	1215	1215	-12.623	-1.667	-0.146	-0.138	-3.121	193.592	1
1215_1216	1215	1216	125.12	-13.867	-0.069	-0.09	-1.115	655.341	1
1216_1216	1216	1216	-13.176	-2.236	-0.139	-0.115	-4.23	203.316	1
1216_1217	1216	1217	122.317	-10.897	-0.082	-0.047	-2.043	615.754	1
1217_1217	1217	1217	-13.958	-4.518	-0.248	-0.075	-4.96	220.563	1
1217_1218	1217	1218	118.857	-8.728	-0.39	0.139	-5.414	570.089	1
1218_1218	1218	1218	-1.159	-12.069	-0.161	-0.143	-4.64	263.876	1
1218_1219	1218	1219	114.27	-6.214	-0.402	0.082	-8.965	517.527	1
1219_1219	1219	1219	14.23	-17.75	-0.078	-0.236	-3.707	343.218	1
1219_1220	1219	1220	108.025	-3.539	-0.426	-0.035	-13.818	435.994	1
1220_1220	1220	1220	89.427	34.601	-0.245	0.578	6.455	951.019	1
1220_1221	1220	1221	21.003	-37.605	0.113	-0.503	-2.576	434.13	1
1221_1221	1221	1221	55.206	6.335	0.108	-0.044	-4.788	759.71	1
1221_1222	1221	1222	45.125	-34.502	0.185	-0.227	-0.445	599.513	1
1222_1222	1222	1222	63.468	6.601	-0.025	-0.387	-3.477	683.287	1
1222_1223	1222	1223	74.917	-30.982	-0.104	-0.544	-1.172	750.104	1
1223_1223	1223	1223	75.876	6.387	-0.014	0.048	-2.528	566.827	1
1223_1224	1223	1224	110.895	-27.586	-0.071	-0.129	-1.477	809.619	1
1224_1224	1224	1224	75.626	6.895	0.011	-0.138	-2.692	509.688	1
1224_1225	1224	1225	125.672	-25.676	-0.039	-0.329	-1.764	885.42	1
1225_1225	1225	1225	67.753	7.104	0.014	0.089	-2.84	502.152	1
1225_1226	1225	1226	133.353	-37.645	-0.044	-0.386	-2.777	1081.349	1
1226_1226	1226	1226	57.315	7.14	0.014	-0.075	-2.626	428.08	1
1226_1227	1226	1227	145.195	-33.378	0	-0.683	-2.806	1170.116	1
1227_1227	1227	1227	49.273	7.14	0.016	0.165	-2.448	372.139	1
1227_1228	1227	1228	151.493	-28.395	0.011	-0.085	-2.662	1218.279	1
1228_1228	1228	1228	41.303	7.139	0.013	0.028	-2.248	316.179	1
1228_1229	1228	1229	154.8	-25.756	-0.009	-0.42	-2.762	1243.62	1
1229_1229	1229	1229	28.884	-8.281	-0.014	-0.089	-2.157	272.747	1
1229_1230	1229	1230	152.912	-4.664	0	0.201	-2.758	1228.432	1
1230_1230	1230	1230	37.796	-8.37	0.005	-0.192	-2.321	337.549	1
1230_1231	1230	1231	147.409	-1.902	0.025	-0.015	-2.471	1192.416	1
1231_1231	1231	1231	47.218	-8.37	0.009	-0.018	-2.254	403.085	1
1231_1232	1231	1232	138.09	-13.727	0.035	0.141	-1.892	1120.677	1
1232_1232	1232	1232	56.614	-8.5	0.017	-0.217	-2.144	468.448	1
1232_1233	1232	1233	129.707	-12.032	0.069	-0.173	-1.14	1056.201	1
1233_1233	1233	1233	64.283	-8.5	0.021	0.004	-1.974	521.787	1
1233_1234	1233	1234	117.473	-8.309	0.072	0.141	-0.265	961.489	1
1234_1234	1234	1234	72.298	-8.456	0.042	0.271	-2.834	588.204	1
1234_1235	1234	1235	111.588	-7.299	0.13	0.491	-0.043	939.605	1
1235_1235	1235	1235	74.509	-8.232	-0.077	-0.039	-2.708	605.592	1
1235_1236	1235	1236	97.478	-5.89	-0.156	0.041	-1.264	880.302	1
1236_1236	1236	1236	75.558	-8.302	-0.073	0.087	-3.25	650.154	1
1236_1237	1236	1237	79.601	-3.314	-0.139	0.145	-2.725	785.134	1
1237_1237	1237	1237	63.646	-8.682	-0.105	0.736	-6.013	783.589	1
1237_1238	1237	1238	55.067	-2.644	-0.194	0.74	-5.093	815.367	1
1238_1238	1238	1238	62.26	-9.92	0.507	0.095	-6.556	819.005	1
1238_1239	1238	1239	37.078	-2.941	0.801	0.007	3.599	705.356	1
1239_1239	1239	1239	57.738	-10.3	0.514	0.589	-0.99	913.142	1
1239_1240	1239	1240	20.984	-0.321	0.794	0.003	12.377	570.135	1
1240_1240	1240	1240	52.631	-14.892	-1.013	2.132	4.874	1016.097	1
1240_1241	1240	1241	11.34	-3.915	-1.355	2.515	-3.984	448.549	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1241_1241	1241	1241	13.144	19.329	-0.123	-0.196	-5.244	566.007	1
1241_1242	1241	1242	120.998	-21.771	-0.577	-2.214	-15.208	685.435	1
1242_1242	1242	1242	-4.125	16.319	-0.184	-0.416	-8.66	443.853	1
1242_1243	1242	1243	121.783	-20.777	-0.547	-1.982	-15.903	694.381	1
1243_1243	1243	1243	-11.19	14.121	0.325	0.284	-10.705	410.828	1
1243_1244	1243	1244	124.195	-21.651	0.75	-0.261	-8.247	742.435	1
1244_1244	1244	1244	-25.711	7.419	0.542	0.421	-10.841	344.487	1
1244_1245	1244	1245	125.984	-18.275	0.695	0.054	-0.122	781.561	1
1245_1245	1245	1245	-26.915	4.536	0.201	0.318	-5.607	300.964	1
1245_1246	1245	1246	127.27	-15.553	0.138	-0.169	1.685	809.123	1
1246_1246	1246	1246	-25.177	3.263	0.245	0.458	-3.72	274.295	1
1246_1247	1246	1247	127.809	-11.735	0.105	0.191	3.065	824.967	1
1247_1247	1247	1247	-24.321	2.523	0.119	0.372	-1.339	253.857	1
1247_1248	1247	1248	129.479	-24.994	0.018	-0.323	3.285	829.073	1
1248_1248	1248	1248	-13.13	-2.238	-0.124	-0.34	-2.365	257.645	1
1248_1249	1248	1249	130.773	-20.807	0.008	-0.174	3.163	821.939	1
1249_1249	1249	1249	-13.193	-2.573	-0.283	-0.436	-3.607	274.765	1
1249_1250	1249	1250	131.193	-17.441	-0.469	-0.42	-2.037	799.296	1
1250_1250	1250	1250	-14.437	-3.446	-0.25	-0.23	-6.466	295.895	1
1250_1251	1250	1251	130.801	-14.269	-0.491	0.039	-6.867	767.582	1
1251_1251	1251	1251	-14.515	-4.882	-0.412	-0.408	-8.567	321.005	1
1251_1252	1251	1252	131.869	-14.158	-0.313	-0.329	-10.092	743.202	1
1252_1252	1252	1252	-12.238	-7.511	-0.382	-0.232	-11.824	363.049	1
1252_1253	1252	1253	130.723	-10.517	-0.423	-0.045	-15.545	694.579	1
1253_1253	1253	1253	3.983	-14.507	-0.312	-0.383	-10.569	447.036	1
1253_1254	1253	1254	130.522	-9.558	-0.422	-0.191	-16.778	674.919	1
1254_1254	1254	1254	9.475	-16.543	0.2	1.065	-10.433	480.072	1
1254_1255	1254	1255	130.898	-11.692	0.366	3.537	-15.256	658.687	1
1255_1255	1255	1255	50.69	10.905	0.76	-1.994	-9.897	1110.71	1
1255_1256	1255	1256	19.527	-33.355	0.874	-1.82	0.293	536.193	1
1256_1256	1256	1256	55.525	10.679	0.763	-1.373	-3.813	1030.072	1
1256_1257	1256	1257	29.405	-31.593	0.96	-1.642	7.079	620.763	1
1257_1257	1257	1257	59.658	8.166	-0.043	-0.58	1.634	960.002	1
1257_1258	1257	1258	47.909	-33.856	-0.088	-0.367	6.48	757.396	1
1258_1258	1258	1258	66.144	8.041	-0.039	-0.088	1.139	880.368	1
1258_1259	1258	1259	73.522	-30.682	-0.023	-0.293	7.013	904.846	1
1259_1259	1259	1259	85.4	8	-0.192	-0.145	0.295	717.159	1
1259_1260	1259	1260	113.263	-28.236	-0.384	-0.258	1.151	919.933	1
1260_1260	1260	1260	85.235	8.324	-0.19	0.001	-1.739	650.931	1
1260_1261	1260	1261	128.839	-25.086	-0.402	-0.165	-2.475	1004.292	1
1261_1261	1261	1261	83.38	8.512	-0.144	0.045	-2.679	561.484	1
1261_1262	1261	1262	137.971	-23.793	-0.308	-0.15	-2.864	971.725	1
1262_1262	1262	1262	80.783	8.663	0.022	-0.093	-3.134	545.312	1
1262_1263	1262	1263	149.569	-21.01	0.006	-0.337	-2.901	1054.941	1
1263_1263	1263	1263	71.666	8.663	0.025	0.086	-2.886	487.807	1
1263_1264	1263	1264	156.849	-33.728	0.018	-0.213	-2.901	1124.881	1
1264_1264	1264	1264	61.873	8.552	0.015	-0.017	-2.593	426.027	1
1264_1265	1264	1265	164.903	-31	0.009	-0.412	-2.829	1181.181	1
1265_1265	1265	1265	52.62	8.545	0.017	0.121	-2.428	366.933	1
1265_1266	1265	1266	168.211	-26.618	0.021	-0.067	-2.597	1206.276	1
1266_1266	1266	1266	43.328	8.439	0.016	0.053	-2.231	308.329	1
1266_1267	1266	1267	169.773	-7.448	0.016	-0.07	-2.427	1211.708	1
1267_1267	1267	1267	26.36	-8.28	0.008	-0.079	-1.83	270.158	1
1267_1268	1267	1268	165.329	-3.062	0.027	0.157	-2.06	1187.995	1
1268_1268	1268	1268	35.275	-8.276	0.011	-0.145	-1.744	326.38	1
1268_1269	1268	1269	156.489	0.344	0.044	0.01	-1.368	1135.491	1
1269_1269	1269	1269	45.503	-8.276	0.017	-0.011	-1.599	390.886	1
1269_1270	1269	1270	145.301	-12.536	0.066	0.144	-0.235	1062.754	1
1270_1270	1270	1270	54.477	-8.158	-0.091	-0.125	-1.4	447.489	1
1270_1271	1270	1271	135.286	-10.294	-0.223	-0.051	-2.242	995.775	1
1271_1271	1271	1271	61.556	-8.158	-0.086	0.008	-2.234	492.145	1
1271_1272	1271	1272	121.336	-6.988	-0.198	0.127	-4.283	901.026	1
1272_1272	1272	1272	63.698	-8.214	-0.111	0.221	-4.351	595.913	1
1272_1273	1272	1273	104.708	-5.845	-0.25	0.45	-6.664	940.37	1
1273_1273	1273	1273	66.267	-9.572	-0.014	-0.089	-4.818	619.016	1
1273_1274	1273	1274	92.908	-7.886	0.068	0.013	-5.604	883.016	1
1274_1274	1274	1274	69.708	-9.628	-0.01	0.107	-4.926	673.36	1
1274_1275	1274	1275	77.74	-5.621	0.048	0.174	-4.882	818.37	1
1275_1275	1275	1275	58.361	-10.13	0	0.875	-7.628	800.119	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1275_1276	1275	1276	57.096	-4.913	0.071	0.973	-7.043	853.938	1
1276_1276	1276	1276	57.783	-12.186	1.16	0.118	-7.672	835.627	1
1276_1277	1276	1277	38.037	-4.847	1.401	-0.031	9.64	745.396	1
1277_1277	1277	1277	54.259	-12.76	1.175	0.547	6.036	957.192	1
1277_1278	1277	1278	19.471	-1.622	1.335	-0.192	26.275	591.685	1
1278_1278	1278	1278	48.015	-18.395	-2.217	2.89	21.444	1100.248	1
1278_1279	1278	1279	10.923	-5.46	-2.212	3.274	3.722	490.83	1
1279_1279	1279	1279	10.754	20.163	-0.499	-0.263	-1.637	584.538	1
1279_1280	1279	1280	116.981	-21.422	-1.142	-2.008	-10.11	706.783	1
1280_1280	1280	1280	-6.757	17.108	-0.615	-0.457	-7.446	446.524	1
1280_1281	1280	1281	117.824	-19.807	-1.002	-1.683	-14.288	704.676	1
1281_1281	1281	1281	-31.927	14.436	0.953	0.191	-24.31	436.928	1
1281_1282	1281	1282	109.312	-17.828	0.977	-0.328	-11.737	775.82	1
1282_1282	1282	1282	-51.202	9.33	1.252	0.388	-15.322	331.09	1
1282_1283	1282	1283	108.305	-13.667	0.769	0.146	-0.558	784.777	1
1283_1283	1283	1283	-54.741	5.357	-0.099	0.328	-0.048	260.818	1
1283_1284	1283	1284	109.918	-11.8	0.016	-0.214	-0.544	806.805	1
1284_1284	1284	1284	-12.294	-2.626	-0.019	-0.212	-2.195	277.092	1
1284_1285	1284	1285	116.132	-23.527	-0.008	0.004	-0.428	810.72	1
1285_1285	1285	1285	-12.214	-2.98	-0.487	-0.425	-2.23	299.466	1
1285_1286	1285	1286	120.738	-21.332	-0.155	-0.506	-1.914	816.559	1
1286_1286	1286	1286	-12.797	-3.751	-0.471	-0.183	-7.689	327.856	1
1286_1287	1286	1287	123.924	-17.327	-0.27	-0.015	-5.177	801.063	1
1287_1287	1287	1287	-12.696	-4.921	-0.329	-0.466	-12.694	360.901	1
1287_1288	1287	1288	129.387	-15.156	-0.417	-0.497	-11.943	787.037	1
1288_1288	1288	1288	-10.446	-7.407	-0.291	-0.117	-16.806	418.876	1
1288_1289	1288	1289	132.369	-11.569	-0.553	0.068	-19.978	754.886	1
1289_1289	1289	1289	-1.1	-12.195	0.533	0.212	-17.151	494.812	1
1289_1290	1289	1290	133.578	-12.373	0.93	0.999	-17.129	744.338	1
1290_1290	1290	1290	3.226	-14.596	0.515	0.372	-13.617	546.507	1
1290_1291	1290	1291	136.184	-9.662	1.042	1.391	-9.479	728.654	1
1291_1291	1291	1291	49.401	8.29	1.192	-2.089	-2.997	1272.112	1
1291_1292	1291	1292	21.704	-34.647	1.67	-2.581	16.969	622.929	1
1292_1292	1292	1292	53.986	6.616	-0.393	-1.007	5.692	1209.916	1
1292_1293	1292	1293	42.444	-36.234	-0.848	-0.674	7.215	865.22	1
1293_1293	1293	1293	62.239	6.586	-0.389	0.458	0.567	1123.312	1
1293_1294	1293	1294	62.231	-53.455	-0.727	-0.358	0.342	1075.726	1
1294_1294	1294	1294	67.314	7.213	-0.012	-1.233	-3.775	1052.286	1
1294_1295	1294	1295	76.863	-51.605	-0.141	-1.788	-0.303	1212.685	1
1295_1295	1295	1295	80.008	7.21	-0.006	0.011	-2.663	933.108	1
1295_1296	1295	1296	105.677	-49.032	-0.097	-0.273	-0.919	1246.423	1
1296_1296	1296	1296	78.497	7.363	-0.005	0.214	-2.705	893.723	1
1296_1297	1296	1297	119.396	-46.127	-0.101	-0.117	-1.885	1392.979	1
1297_1297	1297	1297	74.488	7.162	-0.028	-0.442	-2.751	848.3	1
1297_1298	1297	1298	125.452	-46.662	-0.034	-1.061	-2.107	1460.751	1
1298_1298	1298	1298	61.754	7.193	-0.041	-0.341	-4.459	890.037	1
1298_1299	1298	1299	115.911	-44.228	-0.029	-1.231	-3.759	1711.949	1
1299_1299	1299	1299	58.478	7.193	-0.038	0.473	-4.808	844.703	1
1299_1300	1299	1300	127.824	-40.153	0.008	0.166	-3.839	1880.186	1
1300_1300	1300	1300	53.84	7.092	0.066	-0.341	-5.268	780.521	1
1300_1301	1300	1301	139.017	-37.85	0.089	-1.609	-2.699	2037.462	1
1301_1301	1301	1301	48.818	7.092	0.07	0.516	-4.398	711.019	1
1301_1302	1301	1302	145.6	-33.855	0.112	0.601	-1.389	2129.301	1
1302_1302	1302	1302	44.555	6.864	0.066	-0.241	-3.623	651.248	1
1302_1303	1302	1303	151.225	-31.674	0.063	-1.673	-0.61	2206.513	1
1303_1303	1303	1303	39.585	6.864	0.071	0.581	-2.729	582.455	1
1303_1304	1303	1304	153.007	-9.816	0.073	1.526	0.121	2231.84	1
1304_1304	1304	1304	35.509	6.638	0.093	-0.074	-1.951	526.038	1
1304_1305	1304	1305	154.371	-8.004	0.075	-1.022	1.213	2249.938	1
1305_1305	1305	1305	30.844	6.638	0.097	0.478	-0.734	461.467	1
1305_1306	1305	1306	151.723	-3.802	0.094	1.499	2.397	2211.199	1
1306_1306	1306	1306	26.918	6.329	0.134	0.029	0.365	405.009	1
1306_1307	1306	1307	147.054	-2.426	0.091	-0.669	3.427	2142.767	1
1307_1307	1307	1307	22.88	6.329	0.137	0.396	1.955	349.114	1
1307_1308	1307	1308	137.221	2.514	0.106	1.383	4.631	2000.704	1
1308_1308	1308	1308	18.579	6.065	0.085	0.12	3.685	289.574	1
1308_1309	1308	1309	124.548	4.647	0.079	-0.303	5.228	1817.416	1
1309_1309	1309	1309	14.642	6.061	0.088	0.39	4.719	234.67	1
1309_1310	1309	1310	106.033	9.958	0.1	1.533	6.06	1550.749	1

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1310_1310	1310	1310	10.763	6.063	-0.061	0.206	5.82	179.056	1
1310_1311	1310	1311	82.307	19.75	-0.201	0.29	3.152	1216.01	1
1311_1311	1311	1311	6.733	6.041	-0.044	0.342	5.226	121.341	1
1311_1312	1311	1312	52.036	25.781	-0.159	1.362	0.749	781.951	1
1312_1312	1312	1312	3.109	5.613	-0.322	0.308	5.786	64.348	1
1312_1313	1312	1313	4.425	-5.544	0.046	-0.415	0	18.402	1
1400_1020	1400	1020	61.297	1.595	-5.205	-0.258	69.427	224.203	1
1400_1401	1400	1401	-50.393	21.282	-14.094	-0.888	44.159	584.526	1
1401_1401	1401	1401	62.114	1.64	-3.498	0.957	48.435	217.825	1
1401_1402	1401	1402	-50.546	20.434	-3.585	0.992	32.103	513.179	1
1402_1402	1402	1402	64.528	2.994	-3.599	-0.1	37.62	212.225	1
1402_1403	1402	1403	-51.675	19.189	-3.693	-0.213	-7.646	303.521	1
1403_1403	1403	1403	68.993	4.888	-0.013	0.149	-1.691	180.587	1
1403_1404	1403	1404	-53.565	16.835	0.477	0.145	-3.776	180.751	1
1404_1404	1404	1404	73.215	6.18	-0.031	0.289	-2.041	147.119	1
1404_1405	1404	1405	-55.545	15.368	0.512	0.348	-0.126	68.879	1
1405_1405	1405	1405	83.539	7.419	0.189	0.243	-2.236	106.774	1
1405_1406	1405	1406	-59.387	-8.589	-0.149	-0.196	-0.63	39.73	1
1406_1406	1406	1406	47.41	-9.042	0.104	-0.035	-0.142	173.115	1
1406_1407	1406	1407	-72.526	-11.659	-1.205	-0.297	-11.487	140.602	1
1407_1407	1407	1407	44.975	-10.38	-0.012	0.02	-0.484	266.859	1
1407_1408	1407	1408	-74.733	-13.373	-1.144	0.01	-17.65	214.591	1
1408_1408	1408	1408	41.681	-19.947	0.021	-0.124	-1.042	326.145	1
1408_1409	1408	1409	-79.805	3.166	4.14	-0.698	-6.472	204.269	1
1409_1409	1409	1409	41.573	19.831	0.04	0.116	-0.925	386.665	1
1409_1410	1409	1410	-82.288	-3.47	3.811	0.665	5.494	214.586	1
1410_1410	1410	1410	44.844	10.713	0.052	-0.196	-0.741	326.769	1
1410_1411	1410	1411	-83.427	13.825	-0.308	-0.204	2.342	136.91	1
1411_1411	1411	1411	44.164	11.21	-0.073	0.238	-0.024	268.768	1
1411_1412	1411	1412	-70.765	10.989	0.023	0.006	0.513	32.026	1
1412_1412	1412	1412	43.956	11.09	-0.015	0.069	-0.307	175.598	1
1412_1413	1412	1413	-56.373	-12.79	-0.076	-0.273	-0.01	64.815	1
1413_1413	1413	1413	104.262	-5.894	-0.298	0.205	1.17	105.727	1
1413_1414	1413	1414	-54.302	-15.577	-0.347	-0.215	-2.872	175.553	1
1414_1414	1414	1414	101.798	-3.704	-0.244	0.125	-1.117	149.073	1
1414_1415	1414	1415	-53.183	-16.89	-0.376	-0.261	-5.509	297.145	1
1415_1415	1415	1415	102.255	-0.954	-3.119	-0.439	-2.361	177.08	1
1415_1416	1415	1416	-53.433	-19.047	3.843	-1.163	35.739	505.252	1
1416_1416	1416	1416	95.095	0.842	-3.873	2.354	-34.834	190.545	1
1416_1417	1416	1417	-52.929	-20.305	4.344	3.323	49.405	576.058	1
1417_1417	1417	1417	91.638	1.099	-3.002	0.068	-46.81	187.732	1
1417_1036	1417	1036	-52.673	-21.052	14.052	1.008	106.787	662.449	1
1420_1056	1420	1056	53.668	0.505	-4.229	-0.204	55.349	162.34	1
1420_1421	1420	1421	-54.674	20.089	-13.749	-0.737	29.562	529.061	1
1421_1421	1421	1421	56.074	0.44	-2.918	0.601	38.895	160.618	1
1421_1422	1421	1422	-54.675	19.185	-2.55	0.284	20.736	462.184	1
1422_1422	1422	1422	57.858	1.659	-3.035	-0.011	29.58	159.129	1
1422_1423	1422	1423	-55.116	17.882	-2.528	-0.002	-6.816	266.865	1
1423_1423	1423	1423	91.427	2.682	0.044	-0.204	0.609	144.514	1
1423_1424	1423	1424	-54.146	15.615	0.46	0.094	-2.872	154.421	1
1424_1424	1424	1424	94.559	4.633	-0.069	-0.106	1.12	125.555	1
1424_1425	1424	1425	-58.31	13.94	0.537	0.335	0.839	52.128	1
1425_1425	1425	1425	92.044	7.295	0.01	-0.108	-0.317	92.836	1
1425_1426	1425	1426	-50.728	-6.521	0.021	-0.166	1.004	26.728	1
1426_1426	1426	1426	49.063	-8.145	0.127	-0.151	-0.236	157.413	1
1426_1427	1426	1427	-76.783	-10.172	-0.255	0.009	-1.211	109.278	1
1427_1427	1427	1427	47.543	-8.975	-0.081	0.231	-0.154	240.839	1
1427_1428	1427	1428	-79.111	-11.933	-0.043	0.242	-0.909	175.183	1
1428_1428	1428	1428	44.684	-18.962	-0.064	-0.211	-1.21	291.593	1
1428_1429	1428	1429	-72.935	3.68	-3.329	-1.271	-11.165	163.604	1
1429_1429	1429	1429	44.644	18.99	-0.08	0.189	-1.357	348.959	1
1429_1430	1429	1430	-75.256	-4.132	-4.118	1.191	-23.167	175.904	1
1430_1430	1430	1430	47.732	9.176	0.097	-0.14	-1.5	291.642	1
1430_1431	1430	1431	-65.906	11.145	1.603	-0.11	-13.399	113.534	1
1431_1431	1431	1431	47.352	9.939	-0.004	0.208	-0.759	241.146	1
1431_1432	1431	1432	-54.229	8.719	1.723	0.301	1.536	30.199	1
1432_1432	1432	1432	47.42	9.911	-0.023	0.065	-0.587	157.999	1
1432_1433	1432	1433	-57.259	-11.517	0.055	-0.243	1.262	50.894	1
1433_1433	1433	1433	72.713	-3.183	-0.185	-0.329	-1.228	92.001	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1433_1434	1433	1434	-55.213	-14.32	-0.525	-0.374	-2.955	152.685	1
1434_1434	1434	1434	66.784	-3.185	-0.272	-0.063	-2.376	122.177	1
1434_1435	1434	1435	-54.866	-15.598	-0.436	-0.033	-6.194	265.103	1
1435_1435	1435	1435	61.144	-1.656	3.411	-0.028	-4.138	146.391	1
1435_1436	1435	1436	-55.841	-17.891	2.521	-0.133	-20.713	460.58	1
1436_1436	1436	1436	56.453	-0.69	3.064	-0.467	30.839	166.247	1
1436_1437	1436	1437	-55.401	-19.196	2.609	0.191	29.576	527.453	1
1437_1437	1437	1437	56.589	-0.602	4.83	0.23	42.497	168.608	1
1437_1072	1437	1072	-55.178	-20.215	13.708	0.719	85.907	610.114	1
1440_1094	1440	1094	49.583	0.613	-4.28	-0.229	46.057	156.03	1
1440_1441	1440	1441	-55.739	19.716	-13.249	-0.824	20.787	512.174	1
1441_1441	1441	1441	51.399	0.568	-2.258	0.545	28.958	153.569	1
1441_1442	1441	1442	-55.73	18.814	-1.882	0.349	14.481	446.521	1
1442_1442	1442	1442	51.371	1.801	-2.258	0.038	21.085	151.587	1
1442_1443	1442	1443	-56.165	17.471	-1.883	-0.004	-6.084	255.663	1
1443_1443	1443	1443	90.757	2.592	-0.085	-0.163	1.522	142.235	1
1443_1444	1443	1444	-55.614	15.132	0.44	0.235	-2.224	146.467	1
1444_1444	1444	1444	93.76	4.544	-0.083	-0.21	0.992	124.108	1
1444_1445	1444	1445	-59.28	13.513	0.453	0.282	0.889	47.345	1
1445_1445	1445	1445	93.276	7.131	0.046	-0.136	-0.592	92.496	1
1445_1446	1445	1446	-45.422	-6.114	0.065	-0.183	1.172	29.088	1
1446_1446	1446	1446	48.325	-7.824	0.215	-0.109	-0.44	153.346	1
1446_1447	1446	1447	-77.623	-10.123	-0.181	0.051	-0.687	107.801	1
1447_1447	1447	1447	47.501	-8.509	0.054	0.126	0.697	232.997	1
1447_1448	1447	1448	-79.51	-11.849	-0.024	0.222	-0.471	173.311	1
1448_1448	1448	1448	45.079	-18.492	-0.142	0.07	0.826	281.107	1
1448_1449	1448	1449	-74.203	4.032	-2.512	-1.586	-7.695	160.804	1
1449_1449	1449	1449	45.136	18.612	0.059	-0.069	0.464	336.942	1
1449_1450	1449	1450	-76.074	-4.397	-4.416	1.522	-20.773	173.862	1
1450_1450	1450	1450	47.857	8.741	-0.095	0.149	0.616	280.722	1
1450_1451	1450	1451	-67.169	11.13	1.496	0.082	-11.446	111.643	1
1451_1451	1451	1451	47.621	9.463	-0.13	0.052	0.536	232.525	1
1451_1452	1451	1452	-54.247	8.597	1.453	0.246	1.579	28.907	1
1452_1452	1452	1452	48.034	9.529	-0.012	0.076	-0.575	153.353	1
1452_1453	1452	1453	-56.102	-11.179	0.086	-0.288	1.352	49.066	1
1453_1453	1453	1453	74.032	-2.995	-0.281	-0.268	-0.619	92.294	1
1453_1454	1453	1454	-54.716	-13.875	-0.436	-0.28	-2.272	148.01	1
1454_1454	1454	1454	68.414	-3.053	-0.258	-0.209	-2.448	121.613	1
1454_1455	1454	1455	-53.798	-15.115	-0.427	-0.215	-5.315	256.5	1
1455_1455	1455	1455	62.797	-1.284	2.634	-0.073	-4.293	145.187	1
1455_1456	1455	1456	-55.026	-17.456	1.835	-0.087	14.005	447.529	1
1456_1456	1456	1456	57.224	-0.419	2.373	-0.464	22.7	162.467	1
1456_1457	1456	1457	-54.6	-18.743	1.879	-0.021	20.45	512.931	1
1457_1457	1457	1457	56.317	-0.398	4.356	0.235	31.371	163.992	1
1457_1110	1457	1110	-54.507	-19.728	13.215	0.806	74.588	593.729	1
1460_1132	1460	1132	30.59	3.105	-2.516	-0.165	30.298	161.866	1
1460_1461	1460	1461	-57.754	21.807	-11.573	-0.825	19.132	555.097	1
1461_1461	1461	1461	32.923	2.984	-1.69	0.498	20.964	149.534	1
1461_1462	1461	1462	-57.803	20.797	-1.57	0.675	13.679	482.549	1
1462_1462	1462	1462	104.803	-1.408	1.728	-0.127	-18.72	155.879	1
1462_1463	1462	1463	-58.283	19.404	-1.618	-0.095	-4.107	270.649	1
1463_1463	1463	1463	110.019	1.188	-0.002	0.062	-1.603	173.819	1
1463_1464	1463	1464	-58.078	16.599	0.482	0.41	-1.497	151.022	1
1464_1464	1464	1464	116.065	3.483	0.321	-0.395	-1.744	166.985	1
1464_1465	1464	1465	34.582	1.768	0.08	-0.132	0.029	48.604	1
1465_1465	1465	1465	116.677	6.953	-0.019	-0.074	-0.477	143.334	1
1465_1466	1465	1466	-33.396	-6.722	-0.046	-0.143	-0.604	74.642	1
1466_1466	1466	1466	42.112	-10.353	-0.206	0.072	-0.406	155.918	1
1466_1467	1466	1467	-39.104	-8.353	0.356	0.012	2.466	147.442	1
1467_1467	1467	1467	45.761	-9.956	-0.011	-0.403	-1.669	251.084	1
1467_1468	1467	1468	-41.253	-9.311	0.309	-0.326	4.368	198.497	1
1468_1468	1468	1468	42.147	-19.117	0.309	-0.414	-1.581	306.42	1
1468_1469	1468	1469	-42.207	-0.399	2.804	-0.013	12.409	199.516	1
1469_1469	1469	1469	43.947	19.851	-0.467	0.456	1.193	367.334	1
1469_1470	1469	1470	-58.625	-0.091	-2.92	0.389	2.719	243.439	1
1470_1470	1470	1470	47.143	10.298	-0.037	0.295	-0.491	307.539	1
1470_1471	1470	1471	-54.074	12.064	-0.159	0.274	1.65	176.088	1
1471_1471	1471	1471	46.112	11.182	0.032	0.042	-0.74	250.463	1
1471_1472	1471	1472	-48.947	10.537	-0.143	0.049	-0.153	80.418	1

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1472_1472	1472	1472	42.708	12.134	-0.076	0.167	0.085	153.275	1
1472_1473	1472	1473	-54.981	-13.125	0.064	-0.266	1.448	48.031	1
1473_1473	1473	1473	107.311	-1.627	0.039	0.139	0.279	122.869	1
1473_1474	1473	1474	-54.861	-15.506	-0.443	-0.274	-2.116	159.835	1
1474_1474	1474	1474	101.798	0.264	0.001	0.127	0.361	136.357	1
1474_1475	1474	1475	-54.493	-16.753	-0.437	-0.208	-5.272	280.435	1
1475_1475	1475	1475	52.393	-4.032	1.905	-0.005	-3.215	142.349	1
1475_1476	1475	1476	-55.447	-19.091	1.722	0.088	12.943	488.952	1
1476_1476	1476	1476	48.8	-3.135	1.803	-0.533	16.469	188.119	1
1476_1477	1476	1477	-55.834	-20.452	1.715	-0.577	19.261	560.191	1
1477_1477	1477	1477	47.231	-3.141	2.673	0.178	22.667	199.129	1
1477_1148	1477	1148	-56.004	-21.363	13.542	0.84	74.51	647.71	1
1480_1168	1480	1168	39.215	2.373	-2.512	-0.177	28.575	167.765	1
1480_1481	1480	1481	-55.655	21.488	-14.018	-0.952	17.123	564.019	1
1481_1481	1481	1481	41.41	2.335	-1.599	0.704	19.041	158.44	1
1481_1482	1481	1482	-55.976	20.562	-1.566	1.432	12.565	492.26	1
1482_1482	1482	1482	42.708	3.254	-1.518	-0.078	13.754	150.377	1
1482_1483	1482	1483	-56.447	19.216	-1.722	-0.375	-6.649	282.384	1
1483_1483	1483	1483	99.499	0.482	-0.015	-0.096	0.096	144.906	1
1483_1484	1483	1484	-55.132	16.867	0.489	0.209	-2.51	160.82	1
1484_1484	1484	1484	103.199	2.636	-0.014	-0.126	0.089	142.293	1
1484_1485	1484	1485	-56.356	15.54	0.486	0.248	0.967	48.496	1
1485_1485	1485	1485	103.603	5.669	0.006	-0.044	-0.939	124.7	1
1485_1486	1485	1486	-42.144	-7.178	-0.071	-0.146	-0.652	65.733	1
1486_1486	1486	1486	41.883	-10.592	-0.26	0.074	-0.205	157.696	1
1486_1487	1486	1487	-48.205	-9.159	0.286	0	1.783	145.769	1
1487_1487	1487	1487	44.52	-10.35	-0.069	-0.403	-1.98	255.489	1
1487_1488	1487	1488	-50.241	-10.301	0.225	-0.32	3.234	202.518	1
1488_1488	1488	1488	41.82	-19.542	0.46	-0.588	-1.63	313.366	1
1488_1489	1488	1489	-51.634	0.564	3.474	-0.281	13.235	200.452	1
1489_1489	1489	1489	43.53	19.898	-0.626	0.578	1.311	374.336	1
1489_1490	1489	1490	-49.246	-0.275	-3.666	0.032	5.202	206.777	1
1490_1490	1490	1490	46.65	10.437	0.014	0.283	-1.022	314.557	1
1490_1491	1490	1491	-43.257	9.831	-0.352	0.237	2.714	151.756	1
1491_1491	1491	1491	44.959	11.267	0.105	0.023	-1.135	256.818	1
1491_1492	1491	1492	-37.98	8.48	-0.312	0.016	-0.67	73.869	1
1492_1492	1492	1492	41.954	12.27	-0.086	0.157	0.275	158.663	1
1492_1493	1492	1493	-56.99	-13.188	0.064	-0.258	1.432	46.641	1
1493_1493	1493	1493	112.606	-1.904	0.067	0.134	0.158	124.469	1
1493_1494	1493	1494	-57.178	-15.65	-0.452	-0.269	-2.192	159.508	1
1494_1494	1494	1494	105.756	-0.008	0.021	0.124	0.414	140.437	1
1494_1495	1494	1495	-56.799	-16.974	-0.445	-0.195	-5.412	281.862	1
1495_1495	1495	1495	105.69	2.729	-1.265	0.124	1.283	141.382	1
1495_1496	1495	1496	-58.248	-19.331	1.713	-0.023	12.799	493.012	1
1496_1496	1496	1496	37.73	-2.752	1.327	-0.304	12.144	149.667	1
1496_1497	1496	1497	-57.77	-20.723	1.725	-0.225	18.785	565.312	1
1497_1497	1497	1497	36.375	-2.763	2.923	0.164	16.432	159.365	1
1497_1184	1497	1184	-57.946	-21.572	13.927	0.899	75.553	653.68	1
1500_1204	1500	1204	53.814	0.241	-5.036	-0.357	50.497	152.67	1
1500_1501	1500	1501	-55.731	21.806	-13.772	-1.306	29.882	585.133	1
1501_1501	1501	1501	53.701	0.319	-2.193	0.483	29.552	151.715	1
1501_1502	1501	1502	-56.077	20.821	-2.629	0.185	20.712	512.545	1
1502_1502	1502	1502	56.317	1.471	-2.343	0.055	22.925	151.187	1
1502_1503	1502	1503	-56.567	19.455	-2.594	0.034	-7.496	300.235	1
1503_1503	1503	1503	89.984	2.462	0.062	-0.176	-0.387	141.968	1
1503_1504	1503	1504	-55.914	17.155	0.505	0.286	-3.433	176.266	1
1504_1504	1504	1504	93.601	4.411	0.059	-0.209	0.212	124.775	1
1504_1505	1504	1505	-59.728	15.417	0.511	0.359	0.093	63.468	1
1505_1505	1505	1505	91.476	7.047	0.029	-0.122	-0.221	93.77	1
1505_1506	1505	1506	-49.196	-6.156	-0.009	-0.194	0.947	26.868	1
1506_1506	1506	1506	49.859	-9.413	0.171	-0.116	-0.783	176.945	1
1506_1507	1506	1507	-66.014	-9.271	-1.602	-0.326	-13.421	106.358	1
1507_1507	1507	1507	48.089	-10.278	-0.038	0.075	-0.728	271.89	1
1507_1508	1507	1508	-70.879	-11.026	-1.508	0.042	-21.595	166.871	1
1508_1508	1508	1508	44.696	-20.547	0.032	-0.416	-1.948	330.884	1
1508_1509	1508	1509	-70.851	3.718	-4.032	-1.508	-7.956	154.835	1
1509_1509	1509	1509	44.695	20.654	-0.047	0.394	-1.84	393.093	1
1509_1510	1509	1510	-72.693	-4.21	-4.724	1.215	-21.875	167.535	1
1510_1510	1510	1510	48.044	10.774	0.137	-0.2	-1.47	331.068	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1510_1511	1510	1511	-63.613	10.559	1.421	-0.122	-12.877	108.332	1
1511_1511	1511	1511	47.504	11.456	0.013	0.304	-0.492	271.675	1
1511_1512	1511	1512	-50.369	8.01	1.524	0.301	0.682	29.724	1
1512_1512	1512	1512	46.96	11.216	-0.036	0.113	-0.047	175.506	1
1512_1513	1512	1513	-59.284	-13.138	0.013	-0.373	0.669	62.456	1
1513_1513	1513	1513	103.727	-3.937	-0.035	0.21	0.981	97.809	1
1513_1514	1513	1514	-57.625	-15.949	-0.467	-0.37	-3.03	176.259	1
1514_1514	1514	1514	100.543	-1.848	-0.069	0.2	0.534	127.418	1
1514_1515	1514	1515	-56.502	-17.331	-0.455	-0.271	-6.288	301.108	1
1515_1515	1515	1515	99.119	0.409	-1.721	0.211	0.292	142.746	1
1515_1516	1515	1516	-58.019	-19.554	2.562	0.115	21.156	514.502	1
1516_1516	1516	1516	52.549	-0.442	2.135	-0.626	20.342	153.408	1
1516_1517	1516	1517	-57.529	-20.955	2.526	-0.753	30.061	587.604	1
1517_1517	1517	1517	50.917	-0.46	5.797	0.333	27.031	155.241	1
1517_1220	1517	1220	-57.732	-21.744	13.608	1.257	85.642	676.706	1
1520_1241	1520	1241	57.085	1.223	-2.981	-2.804	22.213	185.563	1
1520_1521	1520	1521	-65.707	24.405	-3.776	-3.974	7.306	637.273	1
1521_1521	1521	1521	59.62	0.787	-0.539	-0.214	10.545	181.743	1
1521_1522	1521	1522	-66.542	23.157	-0.901	-1.626	3.895	557.588	1
1522_1522	1522	1522	60.244	2.154	-0.772	0.249	8.942	179.026	1
1522_1523	1522	1523	-70.437	21.465	-0.714	0.38	-2.596	322.703	1
1523_1523	1523	1523	70.442	3.589	-0.202	0.182	1.107	158.118	1
1523_1524	1523	1524	-69.553	18.839	0.165	0.19	-0.646	186.699	1
1524_1524	1524	1524	94.943	5.245	0.408	-0.122	-4.397	133.985	1
1524_1525	1524	1525	-71.711	16.968	0.263	0.548	1.47	63.551	1
1525_1525	1525	1525	85.797	5.254	0.414	0.37	-2.258	104.718	1
1525_1526	1525	1526	-51.831	-6.973	-0.459	-0.274	-5.249	32.583	1
1526_1526	1526	1526	60.736	-10.406	1.115	-0.286	-3.912	196.061	1
1526_1527	1526	1527	-80.387	-11.287	2.305	0.135	22.854	124.984	1
1527_1527	1527	1527	59.938	-10.655	0.446	0.139	0.355	296.813	1
1527_1528	1527	1528	-83.304	-13.119	2.593	-0.112	38.687	197.023	1
1528_1528	1528	1528	56.374	-23.347	0.224	-0.249	-0.944	357.748	1
1528_1529	1528	1529	-73.139	3.642	-5.225	2.358	22.38	184.676	1
1529_1529	1529	1529	56.431	23.66	0.223	-0.074	-0.214	428.178	1
1529_1530	1529	1530	-72.935	-3.221	-4.053	-2.694	10.215	195.329	1
1530_1530	1530	1530	60.178	11.283	0.325	-0.135	-0.959	357.027	1
1530_1531	1530	1531	-66.054	12.134	-0.737	0.262	6.36	127.504	1
1531_1531	1531	1531	59.172	12.034	0.398	0.183	-0.394	294.84	1
1531_1532	1531	1532	-54.774	9.691	-0.364	0.254	0.327	35.59	1
1532_1532	1532	1532	57.517	12.54	-0.261	0.106	3.186	192.734	1
1532_1533	1532	1533	-73.399	-14.24	0.508	-0.467	5.641	64.503	1
1533_1533	1533	1533	72.881	-3.358	0.303	-0.383	3.914	105.799	1
1533_1534	1533	1534	-72.513	-17.462	0.432	-0.468	8.212	189.964	1
1534_1534	1534	1534	66.537	-4.19	0.289	-0.422	6.215	142.069	1
1534_1535	1534	1535	-72.087	-19.144	0.486	-0.501	11.653	327.976	1
1535_1535	1535	1535	59.085	-2.744	0.964	-0.274	7.907	173.685	1
1535_1536	1535	1536	-72.741	-21.74	1.272	-0.376	24.99	565.208	1
1536_1536	1536	1536	56.67	-1.605	0.78	-0.299	17.353	205.131	1
1536_1537	1536	1537	-72.19	-23.499	1.4	0.112	29.567	647.245	1
1537_1537	1537	1537	53.919	-1.854	2.783	2.185	19.073	211.86	1
1537_1255	1537	1255	-72.374	-24.348	2.758	3.192	40.921	747.463	1
1540_1279	1540	1279	82.469	0.496	4.815	3.504	-0.797	236.953	1
1540_1541	1540	1541	-64.676	24.381	-5.609	-5.062	-9.667	645.723	1
1541_1541	1541	1541	84.911	1.511	-1.257	-0.501	17.984	233.006	1
1541_1542	1541	1542	-67.067	23.027	-0.162	-1.413	-9.836	566.641	1
1542_1542	1542	1542	87.302	3.474	-1.475	-0.365	14.216	228.003	1
1542_1543	1542	1543	-67.606	21.392	-0.033	0.017	-9.875	333.061	1
1543_1543	1543	1543	85.195	5.435	0.299	-0.61	-2.655	191.045	1
1543_1544	1543	1544	-69.199	18.72	0.487	-0.159	-6.006	197.521	1
1544_1544	1544	1544	88.668	7.337	-0.082	0.005	-0.171	152.386	1
1544_1545	1544	1545	-71.994	16.63	0.751	0.814	-0.531	76.654	1
1545_1545	1545	1545	92.626	3.764	0.935	0.357	-5.101	111.233	1
1545_1546	1545	1546	-73.381	-9.863	0.384	0.084	6.984	47.951	1
1546_1546	1546	1546	64.971	-9.559	2.509	-0.217	-3.637	200.288	1
1546_1547	1546	1547	-79.539	-13.556	4.854	0.166	52.222	166.668	1
1547_1547	1547	1547	61.763	-10.658	1.232	-0.111	5.702	298.584	1
1547_1548	1547	1548	-79.243	-15.148	4.984	-0.633	80.06	250.916	1
1548_1548	1548	1548	58.347	-23.684	0.118	0.405	5.719	358.807	1
1548_1549	1548	1549	-68.06	1.825	-6.967	8.504	60.379	242.116	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1549_1549	1549	1549	58.78	24.338	0.538	-0.963	5.576	431.046	1
1549_1550	1549	1550	-67.521	0.416	-2.237	-9.53	54.463	246.771	1
1550_1550	1550	1550	62.838	10.944	0.121	-0.144	6.184	358.782	1
1550_1551	1550	1551	-58.656	14.432	-3.294	0.678	35.015	163.255	1
1551_1551	1551	1551	60.971	11.957	0.368	0.05	3.849	297.864	1
1551_1552	1551	1552	-51.488	12.182	-2.859	0.057	7.409	55.716	1
1552_1552	1552	1552	57.44	12.013	-0.298	0.023	5.975	202.556	1
1552_1553	1552	1553	-77.842	-14.815	1.017	-0.531	7.304	52.811	1
1553_1553	1553	1553	69.161	-5.19	0.391	-0.525	9.612	125.503	1
1553_1554	1553	1554	-76.454	-18.239	0.734	-0.602	11.893	180.167	1
1554_1554	1554	1554	63.99	-6.508	0.408	-0.67	12.685	176.37	1
1554_1555	1554	1555	-75.959	-20.199	0.817	-0.693	17.558	322.542	1
1555_1555	1555	1555	58.359	-4.878	0.395	-0.537	15.372	224.662	1
1555_1556	1555	1556	-76.213	-23.183	0.992	-0.67	27.827	569.319	1
1556_1556	1556	1556	54.5	-3.876	0.124	-0.373	17.457	280.529	1
1556_1557	1556	1557	-75.536	-25.296	1.153	-0.114	31.398	655.969	1
1557_1557	1557	1557	51.431	-3.732	1.707	0.786	16.563	294.456	1
1557_1291	1557	1291	-75.549	-26.299	1.819	2.043	41.76	804.275	1
41000_1000	41000	1000	3.195	23.229	-1.025	7.824	0	22.319	1
41000_1001	41000	1001	-1.875	-60.554	0.843	-5.663	14.337	1016.565	1
41001_1001	41001	1001	-0.866	-5.504	1.249	-1.93	21.269	86.471	1
41001_1002	41001	1002	-2.236	-54.458	0.941	-8.833	26.299	1501.504	1
41002_1002	41002	1002	-1.063	-5.607	-1.624	-1.709	33.352	146.451	1
41002_1003	41002	1003	-2.445	-44.589	-0.548	-5.218	20.391	1942.635	1
41003_1003	41003	1003	-1.062	-5.607	-1.625	-1.884	13.55	214.813	1
41003_1004	41003	1004	-2.738	-38.413	-0.574	-7.846	13.588	2278.822	1
41004_1004	41004	1004	-1.037	-5.601	-0.725	-1.515	-6.264	283.153	1
41004_1005	41004	1005	-2.948	-36.635	-0.33	-3.904	7.47	2547.418	1
41005_1005	41005	1005	-1.037	-5.601	-0.726	-1.801	-15.107	351.462	1
41005_1006	41005	1006	-3.096	-31.102	-0.271	-6.785	1.651	2709.311	1
41006_1006	41006	1006	-1.03	-5.814	-0.4	-1.284	-23.962	419.748	1
41006_1007	41006	1007	-3.187	-30.702	-0.196	-2.1	-4.335	2836.36	1
41007_1007	41007	1007	-1.029	-5.814	-0.401	-1.684	-28.836	490.629	1
41007_1008	41007	1008	-3.229	-25.543	-0.103	-5.161	-9.013	2872.998	1
41008_1008	41008	1008	-1.028	-6.049	-0.362	-1.032	-33.721	561.492	1
41008_1009	41008	1009	-3.233	-25.6	-0.223	-0.509	-15.652	2890.836	1
41009_1009	41009	1009	-1.045	-6.053	-0.362	-1.49	-38.011	635.246	1
41009_1010	41009	1010	-3.231	-2.719	-0.268	-1.681	-16.386	2833.113	1
41010_1010	41010	1010	-1.044	-6.366	-0.378	-0.291	-42.423	709.058	1
41010_1011	41010	1011	-3.231	-2.74	-0.46	4.289	-24.169	2787.099	1
41011_1011	41011	1011	-1.044	-6.366	-0.379	-1.651	-47.026	786.655	1
41011_1012	41011	1012	-3.193	2.325	-0.355	-1.511	-30.046	2664.236	1
41012_1012	41012	1012	-1.043	-6.702	-0.338	-0.942	-51.648	864.204	1
41012_1013	41012	1013	-3.121	2.774	-0.574	2.048	-38.692	2524.17	1
41013_1013	41013	1013	-1.044	-6.702	-0.337	-0.172	-55.764	945.931	1
41013_1014	41013	1014	-3.018	7.723	-0.437	2.941	-44.517	2314.415	1
41014_1014	41014	1014	-1.044	-6.757	-0.133	-0.609	-59.868	1027.65	1
41014_1015	41014	1015	-2.827	11.198	0.12	2.763	-42.179	1974.643	1
41015_1015	41015	1015	-0.984	-6.766	-0.131	1.523	-62.08	1140.119	1
41015_1016	41015	1016	-2.834	14.362	0.162	4.801	-39.867	1771.078	1
41016_1016	41016	1016	-0.914	-6.914	0.288	-0.562	-62.434	1195.904	1
41016_1017	41016	1017	-2.948	16.433	1.575	3.092	-20.475	1478.866	1
41017_1017	41017	1017	-0.743	-6.934	0.289	2.849	-58.952	1277.232	1
41017_1018	41017	1018	-1.752	0.625	1.004	2.558	-11.002	1131.35	1
41018_1018	41018	1018	-0.57	-6.741	-1.063	0.505	-55.31	1369.199	1
41018_1019	41018	1019	-1.69	3.794	-1.274	1.018	-33.266	793.096	1
41019_1019	41019	1019	-0.407	-6.774	-1.067	4.743	-67.908	1453.71	1
41019_1020	41019	1020	0.237	-2.004	-0.195	1.539	-33.677	560.342	1
41020_1020	41020	1020	-39.941	25.237	0.033	2.107	-25.496	836.55	1
41020_1021	41020	1021	68.037	-30.161	5.754	-0.444	-125.158	849.148	1
41021_1021	41021	1021	-47.324	19.074	1.212	2.198	-55.054	616.268	1
41021_1022	41021	1022	62.407	-27.53	5.469	-1.581	-74.696	942.379	1
41022_1022	41022	1022	-59.091	13.173	2.444	2.26	-68.824	491.969	1
41022_1023	41022	1023	56.75	-24.598	5.115	-1.122	-28.016	1010.183	1
41023_1023	41023	1023	-76.373	3.823	1.903	1.714	-76.576	428.856	1
41023_1024	41023	1024	51.396	-22.09	0.796	0.16	-16.796	1069.292	1
41024_1024	41024	1024	-73.71	2.324	1.93	1.556	-64.12	404.187	1
41024_1025	41024	1025	46.588	-18.623	0.679	-0.563	-7.36	1111.934	1
41025_1025	41025	1025	-72.04	1.918	2.012	1.984	-49.225	387.631	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41025_1026	41025	1026	42.728	-14.831	0.491	0.098	-0.447	1139.564	1
41026_1026	41026	1026	-68.111	1.176	1.424	1.421	-33.985	375.131	1
41026_1027	41026	1027	40.391	-13.96	0.217	-0.197	2.072	1156.588	1
41027_1027	41027	1027	-68.108	1.176	1.549	2.097	-25.448	368.074	1
41027_1028	41027	1028	38.631	-10.941	0.094	1.461	3.561	1162.126	1
41028_1028	41028	1028	-65.998	0.967	1.531	1.979	-16.449	362.102	1
41028_1029	41028	1029	36.993	-23.379	-0.174	-1.051	4.601	1151.15	1
41029_1029	41029	1029	-65.17	0.903	1.539	2.023	-7.393	356.381	1
41029_1030	41029	1030	38.164	-20.496	-0.232	-1.31	3.181	1134.249	1
41030_1030	41030	1030	-63.337	0.479	2	2.363	1.523	351.57	1
41030_1031	41030	1031	40.437	-18.687	-0.594	0.079	-2.26	1105.799	1
41031_1031	41031	1031	-63.337	0.479	2.008	2.409	17.511	347.737	1
41031_1032	41031	1032	43.604	-15.189	-0.712	-0.44	-9.86	1061.882	1
41032_1032	41032	1032	-60.916	0.357	1.957	2.286	32.457	344.468	1
41032_1033	41032	1033	47.316	-11.996	-0.818	-1.192	-19.257	1000.446	1
41033_1033	41033	1033	-95.496	-5.675	-4.213	-2.888	-51.229	374.583	1
41033_1034	41033	1034	51.346	-9.562	-5.429	-1.501	-65.15	928.19	1
41034_1034	41034	1034	-72.934	-13.13	-2.711	-3.233	-58.373	451.31	1
41034_1035	41034	1035	55.457	-6.866	-5.692	-1.442	-114.575	845.301	1
41035_1035	41035	1035	-56.789	-18.805	-0.956	1.415	-50.33	591.942	1
41035_1036	41035	1036	60.693	-4.078	-6.328	3.376	-180.845	724.184	1
41036_1036	41036	1036	39.96	35.54	-2.375	5.538	68.163	1541.207	1
41036_1037	41036	1037	-24.287	-38.203	0.931	-2.539	-25.525	715.225	1
41037_1037	41037	1037	-25.975	9.437	0.642	-1.301	-44.562	1323.402	1
41037_1038	41037	1038	-27.199	-34.954	1.641	-2.423	-7.513	996.9	1
41038_1038	41038	1038	-26.217	9.018	-0.483	-2.106	-36.45	1205.176	1
41038_1039	41038	1039	-30.279	-31.659	-1.27	-3.281	-18.843	1264.214	1
41039_1039	41039	1039	-26.433	8.364	-0.46	-0.092	-42.913	1083.031	1
41039_1040	41039	1040	-32.467	-28.372	-1.372	-2.839	-33.355	1466.769	1
41040_1040	41040	1040	-26.557	7.935	0.268	-0.602	-48.31	984.752	1
41040_1041	41040	1041	-33.738	-27.71	-0.397	-2.4	-36.693	1603.392	1
41041_1041	41041	1041	-26.627	7.697	0.274	-0.052	-46.102	911.843	1
41041_1042	41041	1042	-35.926	-21.812	-0.494	-3.171	-45.437	1813.594	1
41042_1042	41042	1042	-26.629	7.527	0.077	0.149	-41.628	786.334	1
41042_1043	41042	1043	-36.58	-37.637	-0.094	-4.221	-48.959	1956.773	1
41043_1043	41043	1043	-26.629	7.527	0.099	0.728	-40.708	696.157	1
41043_1044	41043	1044	-35.719	-32.399	-0.061	-3.783	-49.765	2055.221	1
41044_1044	41044	1044	-26.629	7.44	0.171	0.699	-39.522	605.996	1
41044_1045	41044	1045	-34.515	-30.736	0.011	-2.901	-49.52	2133.99	1
41045_1045	41045	1045	-26.628	7.44	0.193	1.13	-37.477	516.873	1
41045_1046	41045	1046	-33.062	-25.5	0.03	-2.326	-48.863	2146.348	1
41046_1046	41046	1046	-7.352	-7.733	-0.275	-1.115	-38.286	452.124	1
41046_1047	41046	1047	-34.462	-6.812	-0.031	1.054	-49.414	2143.012	1
41047_1047	41047	1047	-7.652	-7.746	-0.266	-0.702	-41.446	544.85	1
41047_1048	41047	1048	-33.005	-1.456	-0.017	1.451	-49.82	2073.803	1
41048_1048	41048	1048	-7.651	-7.832	-0.224	-1.019	-44.633	637.62	1
41048_1049	41048	1049	-31.34	0.011	0.01	1.644	-49.975	1985.561	1
41049_1049	41049	1049	-7.652	-7.832	-0.212	0.153	-47.323	731.48	1
41049_1050	41049	1050	-25.102	-12.652	0.046	1.284	-47.173	1844.736	1
41050_1050	41050	1050	-7.653	-7.948	-0.262	-0.353	-49.862	825.268	1
41050_1051	41050	1051	-21.485	-10.687	0.324	0.844	-39.487	1632.589	1
41051_1051	41051	1051	-7.585	-8.013	-0.251	1.47	-54.117	955.446	1
41051_1052	41051	1052	-19.432	-6.665	0.299	2.672	-36.279	1499.378	1
41052_1052	41052	1052	-7.453	-8.134	0.227	-0.17	-56.215	1021.488	1
41052_1053	41052	1053	-16.382	-4.711	1.298	1.352	-20.723	1296.989	1
41053_1053	41053	1053	-7.242	-8.322	0.237	2.64	-53.457	1119.516	1
41053_1054	41053	1054	-12.979	-0.907	1.043	2.437	-9.088	1033.613	1
41054_1054	41054	1054	-7.233	-8.291	-0.948	1.169	-49.886	1230.228	1
41054_1055	41054	1055	-10.062	2.331	-1.308	1.246	-31.646	747.958	1
41055_1055	41055	1055	-7.137	-8.502	-0.946	3.911	-61.254	1334.342	1
41055_1056	41055	1056	-0.082	-2.553	-0.116	1.059	-19.41	491.24	1
41056_1056	41056	1056	-47.473	22.422	0.383	2.47	-34.938	761.054	1
41056_1057	41056	1057	65.04	-29.368	5.211	-0.502	-106.692	906.148	1
41057_1057	41057	1057	-58.725	15.443	1.655	2.255	-63.221	572.958	1
41057_1058	41057	1058	60.735	-26.66	5.006	-0.875	-61.196	998.607	1
41058_1058	41058	1058	-76.647	6.899	3.066	1.638	-81.694	478.633	1
41058_1059	41058	1059	56.316	-23.698	4.78	-1.555	-18.311	1074.872	1
41059_1059	41059	1059	-75.686	3.566	1.578	1.589	-65.49	442.347	1
41059_1060	41059	1060	52.087	-21.26	0.608	-0.76	-9.629	1140.722	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41060_1060	41060	1060	-71.915	2.523	1.664	1.966	-54.443	418.482	1
41060_1061	41060	1061	48.326	-17.813	0.47	-0.209	-2.773	1187.789	1
41061_1061	41061	1061	-69.014	2.055	1.737	2.432	-41.738	400.249	1
41061_1062	41061	1062	45.337	-14.078	0.313	0.612	2.043	1217.994	1
41062_1062	41062	1062	-66.188	1.554	1.267	1.679	-28.392	385.331	1
41062_1063	41062	1063	43.55	-13.248	0.191	-0.512	4.062	1235.99	1
41063_1063	41063	1063	-64.281	1.379	1.363	2.223	-21.107	376.417	1
41063_1064	41063	1064	41.002	-26.178	-0.101	-0.999	5.764	1241.948	1
41064_1064	41064	1064	-62.226	-1.07	-1.348	-2.171	-8.266	380.067	1
41064_1065	41064	1065	41.699	-23.248	-0.141	-1.416	4.797	1234.615	1
41065_1065	41065	1065	-65.577	-1.283	-1.247	-1.586	-15.931	387.012	1
41065_1066	41065	1066	42.89	-20.451	-0.251	0.006	2.929	1215.162	1
41066_1066	41066	1066	-65.582	-1.468	-1.659	-2.17	-23.412	394.717	1
41066_1067	41066	1067	45.12	-18.739	-0.451	-0.867	-1.897	1183.568	1
41067_1067	41067	1067	-69.239	-1.773	-1.598	-1.719	-36.347	408.597	1
41067_1068	41067	1068	48.192	-15.31	-0.582	-0.137	-8.683	1135.63	1
41068_1068	41068	1068	-75.181	-2.491	-1.623	-1.852	-48.3	425.993	1
41068_1069	41068	1069	51.765	-12.165	-0.653	-0.906	-16.704	1069.997	1
41069_1069	41069	1069	-79.65	-3.467	-3.362	-1.405	-59.811	449.353	1
41069_1070	41069	1070	55.562	-9.969	-5.09	0.888	-59.883	994.241	1
41070_1070	41070	1070	-82.772	-6.768	-3.179	-1.635	-77.313	486.373	1
41070_1071	41070	1071	59.418	-7.291	-5.251	0.162	-105.747	906.937	1
41071_1071	41071	1071	-64.202	-15.571	-1.655	-1.964	-59.848	588.721	1
41071_1072	41071	1072	64.373	-4.461	-5.405	-0.458	-163.518	789.428	1
41072_1072	41072	1072	-12.524	8.582	0.906	-3.799	-66.675	1467.626	1
41072_1073	41072	1073	-20.145	-38.419	1.281	-2.668	-31.175	752.791	1
41073_1073	41073	1073	-12.089	8.175	0.907	-1.305	-56.448	1360.376	1
41073_1074	41073	1074	-22.486	-35.028	1.957	-2.458	-8.786	1047.619	1
41074_1074	41074	1074	-12.306	8.079	-0.345	-2.661	-44.974	1258.001	1
41074_1075	41074	1075	-25.057	-31.743	-1.298	-3.851	-20.068	1331.758	1
41075_1075	41075	1075	-12.51	7.761	-0.329	0.138	-49.635	1146.81	1
41075_1076	41075	1076	-26.783	-28.304	-1.447	-2.467	-35.7	1546.527	1
41076_1076	41076	1076	-12.333	7.465	0.134	-1.381	-53.703	1055.816	1
41076_1077	41076	1077	-27.772	-27.808	-0.369	-3.257	-39.47	1700.27	1
41077_1077	41077	1077	-12.396	7.359	0.15	0.391	-52.606	998.596	1
41077_1078	41077	1078	-30.563	-40.916	-0.349	-4.427	-48.266	1963.867	1
41078_1078	41078	1078	-12.396	7.3	0.177	-0.159	-50.382	889.5	1
41078_1079	41078	1079	-30.477	-38.735	0.164	-4.663	-47.246	2135.374	1
41079_1079	41079	1079	-12.396	7.3	0.189	0.59	-48.386	807.366	1
41079_1080	41079	1080	-30.173	-33.978	0.241	-3.787	-44.756	2250.594	1
41080_1080	41080	1080	-11.529	7.218	0.261	0.428	-46.613	725.183	1
41080_1081	41080	1081	-29.698	-32.789	0.084	-3.498	-44.133	2348.71	1
41081_1081	41081	1081	-11.528	7.218	0.271	0.999	-43.673	643.908	1
41081_1082	41081	1082	-29.102	-28.049	0.151	-2.521	-42.538	2387.083	1
41082_1082	41082	1082	-11.528	7.161	0.268	0.683	-40.617	562.647	1
41082_1083	41082	1083	-29.708	-9.153	-0.024	-0.84	-43.197	2409.908	1
41083_1083	41083	1083	-11.528	7.161	0.287	1.469	-37.38	475.996	1
41083_1084	41083	1084	-29.063	-3.986	0.054	1.922	-42.277	2376.173	1
41084_1084	41084	1084	-4.997	-6.607	-0.319	-1.147	-39.149	551.466	1
41084_1085	41084	1085	-28.376	-3.189	-0.171	0.517	-44.342	2328.879	1
41085_1085	41085	1085	-4.998	-6.607	-0.31	-0.036	-42.739	625.848	1
41085_1086	41085	1086	-27.595	1.611	-0.088	3.491	-45.11	2221.958	1
41086_1086	41086	1086	-5.291	-6.714	-0.253	-0.88	-46.036	700.281	1
41086_1087	41086	1087	-26.727	2.56	-0.136	1.711	-46.722	2101.833	1
41087_1087	41087	1087	-5.291	-6.714	-0.244	0.498	-48.886	775.862	1
41087_1088	41087	1088	-25.73	7.301	-0.044	4.263	-46.586	1926.523	1
41088_1088	41088	1088	-5.293	-6.779	-0.329	0.236	-51.629	851.46	1
41088_1089	41088	1089	-20.6	-8.702	0.092	1.969	-41.355	1690.241	1
41089_1089	41089	1089	-5.438	-6.836	-0.329	0.552	-56.06	947.088	1
41089_1090	41089	1090	-18.983	-5.854	0.093	1.166	-39.647	1533.081	1
41090_1090	41090	1090	-5.326	-6.864	0.278	0.169	-58.79	1003.52	1
41090_1091	41090	1091	-16.427	-3.944	1.31	1.775	-23.286	1306.783	1
41091_1091	41091	1091	-5.386	-7.022	0.29	2.214	-55.051	1085.352	1
41091_1092	41091	1092	-13.425	-0.212	1.051	1.988	-10.896	1018.658	1
41092_1092	41092	1092	-5.228	-6.966	-1.06	0.534	-51.361	1178.51	1
41092_1093	41092	1093	-10.73	2.806	-1.475	0.804	-34.836	720.228	1
41093_1093	41093	1093	-5.045	-7.1	-1.051	4.215	-64.414	1265.873	1
41093_1094	41093	1094	11.864	-6	-0.16	-0.866	-0.933	418.617	1
41094_1094	41094	1094	-45.542	22.13	0.36	2.194	-33.606	747.413	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41094_1095	41094	1095	66.171	-29.39	4.971	-0.823	-101.252	898.214	1
41095_1095	41095	1095	-55.598	15.247	1.514	1.733	-60.493	562.135	1
41095_1096	41095	1096	61.738	-26.643	4.796	-1.627	-57.633	990.871	1
41096_1096	41096	1096	-70.454	7.171	2.949	2.372	-77.63	465.991	1
41096_1097	41096	1097	57.179	-23.611	4.421	0.083	-17.821	1067.083	1
41097_1097	41097	1097	-68.709	3.631	1.729	1.699	-62.912	427.5	1
41097_1098	41097	1098	52.777	-21.188	0.562	-0.26	-9.72	1133.037	1
41098_1098	41098	1098	-65.252	2.613	1.832	2.108	-50.675	403.562	1
41098_1099	41098	1099	48.834	-17.662	0.416	0.506	-3.508	1179.504	1
41099_1099	41099	1099	-60.988	1.885	1.82	2.017	-36.917	386.339	1
41099_1100	41099	1100	45.652	-13.853	0.316	-0.123	1.093	1208.238	1
41100_1100	41100	1100	-64.27	-1.011	-1.084	-0.025	5.331	375.412	1
41100_1101	41100	1101	43.697	-13.454	-0.084	7.308	1.262	1226.732	1
41101_1101	41101	1101	-65.784	-1.089	-1.087	-0.06	-0.86	381.803	1
41101_1102	41101	1102	40.177	-26.314	-0.338	5.818	0.49	1235.674	1
41102_1102	41102	1102	-66.867	-1.159	-1.863	-4.592	-7.136	388.341	1
41102_1103	41102	1103	40.652	-23.365	0.085	-8.176	0.557	1230.937	1
41103_1103	41103	1103	-68.321	-1.248	-1.765	-3.958	-18.099	395.838	1
41103_1104	41103	1104	41.6	-20.547	-0.027	-5.969	-0.335	1213.402	1
41104_1104	41104	1104	-71.57	-1.806	-1.802	-2.285	-28.291	404.041	1
41104_1105	41104	1105	43.485	-19.164	-0.392	-1.1	-5.172	1186.727	1
41105_1105	41105	1105	-73.862	-2.022	-1.725	-1.778	-42.491	419.321	1
41105_1106	41105	1106	46.189	-15.629	-0.534	-0.254	-12.119	1141.642	1
41106_1106	41106	1106	-78.177	-2.571	-1.746	-1.844	-55.76	437.462	1
41106_1107	41106	1107	49.38	-12.384	-0.619	-0.891	-20.484	1076.981	1
41107_1107	41107	1107	-83.054	-3.685	-3.072	-1.523	-67.961	460.491	1
41107_1108	41107	1108	52.836	-10.148	-4.747	0.62	-61.607	1001.198	1
41108_1108	41108	1108	-85.501	-5.925	-2.998	-1.643	-85.912	493.888	1
41108_1109	41108	1109	56.259	-7.374	-4.905	-0.056	-105.398	912.05	1
41109_1109	41109	1109	-66.149	-14.906	-1.578	-1.715	-65.293	580.607	1
41109_1110	41109	1110	60.663	-4.436	-5.07	-0.301	-160.734	791.577	1
41110_1110	41110	1110	-14.727	9.282	1.117	-4.415	-82.264	1484.825	1
41110_1111	41110	1111	-21.773	-37.789	1.515	-2.944	-39.611	764.842	1
41111_1111	41111	1111	-14.838	8.877	1.141	-0.407	-68.705	1368.344	1
41111_1112	41111	1112	-24.582	-34.264	2.207	-1.846	-15.785	1049.09	1
41112_1112	41112	1112	-14.711	8.722	-0.18	-2.54	-54.834	1257.531	1
41112_1113	41112	1113	-27.714	-30.916	-1.123	-3.653	-26.428	1318.575	1
41113_1113	41113	1113	-14.926	8.348	-0.161	0.357	-57.305	1139.289	1
41113_1114	41113	1114	-30.096	-27.363	-1.212	-2.361	-40.125	1516.783	1
41114_1114	41114	1114	-15.057	8.163	0.323	-1.967	-59.155	1041.265	1
41114_1115	41114	1115	-31.632	-26.777	-0.216	-4.368	-42.648	1651.921	1
41115_1115	41115	1115	-15.127	8.031	0.356	0.67	-56.508	974.615	1
41115_1116	41115	1116	-34.277	-21.241	-0.169	-1.875	-46.491	1848.245	1
41116_1116	41116	1116	-14.504	7.895	0.31	0.012	-51.675	856.109	1
41116_1117	41116	1117	-37.783	-37.415	0.3	-4.266	-45.697	1982.054	1
41117_1117	41117	1117	-14.503	7.895	0.323	0.694	-48.187	767.278	1
41117_1118	41117	1118	-38.179	-32.472	0.384	-3.612	-41.331	2072.173	1
41118_1118	41118	1118	-14.503	7.81	0.365	0.3	-44.554	678.449	1
41118_1119	41118	1119	-38.355	-31.421	0.246	-4.121	-38.451	2149.48	1
41119_1119	41119	1119	-14.502	7.81	0.39	1.34	-40.447	590.489	1
41119_1120	41119	1120	-38.148	-9.235	0.328	0.698	-35.189	2171.481	1
41120_1120	41120	1120	-14.502	7.759	0.371	1.007	-36.056	502.61	1
41120_1121	41120	1121	-38.348	-8.128	0.189	0.485	-32.663	2182.777	1
41121_1121	41121	1121	-14.502	7.759	0.383	1.34	-31.566	408.715	1
41121_1122	41121	1122	-38.337	-2.75	0.241	1.024	-29.148	2124.994	1
41122_1122	41122	1122	-13.953	-4.638	-0.123	-0.653	-22.868	341.858	1
41122_1123	41122	1123	-38.151	-1.991	0.062	1.834	-28.28	2056.77	1
41123_1123	41123	1123	-13.953	-4.638	-0.111	-0.307	-24.257	394.091	1
41123_1124	41123	1124	-37.806	2.996	0.115	2.46	-26.655	1929.183	1
41124_1124	41124	1124	-13.953	-4.73	-0.089	-0.616	-25.506	446.277	1
41124_1125	41124	1125	-37.271	3.914	-0.048	2.111	-27.335	1790.356	1
41125_1125	41125	1125	-13.953	-4.73	-0.064	0.267	-26.504	499.54	1
41125_1126	41125	1126	-33.589	-9.308	0.098	1.703	-25.521	1599.992	1
41126_1126	41126	1126	-13.953	-4.847	-0.015	-0.163	-27.224	552.756	1
41126_1127	41126	1127	-30.843	-7.128	0.588	1.117	-16.866	1380.669	1
41127_1127	41127	1127	-14.177	-4.979	0.003	0.763	-27.076	616.759	1
41127_1128	41127	1128	-28.808	-4.512	0.601	1.762	-11.944	1224.522	1
41128_1128	41128	1128	-14.093	-5.289	0.291	-0.246	-27.075	657.829	1
41128_1129	41128	1129	-25.476	-3.078	1.357	0.998	3.177	1017.274	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41129_1129	41129	1129	-14.012	-5.655	0.322	1.964	-23.462	724.555	1
41129_1130	41129	1130	-21.353	0.426	1.138	2.025	14.093	763.916	1
41130_1130	41130	1130	40.535	-27.221	1.61	-4.364	-18.11	975.653	1
41130_1131	41130	1131	-17.441	3.178	-2.052	0.839	-19.817	499.597	1
41131_1131	41131	1131	41.596	-31.83	2.119	-4.001	5.13	1353.383	1
41131_1132	41131	1132	15.207	-6.206	-0.308	-0.395	-21.001	548.747	1
41132_1132	41132	1132	-37.271	26.633	-0.798	4.39	14.023	711.088	1
41132_1133	41132	1133	68.637	-31.287	4.541	4.542	-83.517	732.345	1
41133_1133	41133	1133	-40.486	20.744	0.022	3.81	-8.985	475.147	1
41133_1134	41133	1134	63.385	-28.235	4.575	2.798	-44.264	850.117	1
41134_1134	41134	1134	-68.677	2.906	-2.822	-7.313	34.42	452.424	1
41134_1135	41134	1135	58.003	-24.992	5.386	-9.876	1.076	941.652	1
41135_1135	41135	1135	-68.712	2.187	-0.816	-1.919	12.549	430.012	1
41135_1136	41135	1136	52.989	-23.139	-0.007	0.323	2.625	1028.283	1
41136_1136	41136	1136	-70.853	2.13	-0.918	-2.475	6.605	412.543	1
41136_1137	41136	1137	48.303	-19.327	0.021	-1.585	3.852	1091.84	1
41137_1137	41137	1137	-72.438	2.083	-0.839	-2.01	-0.403	395.537	1
41137_1138	41137	1138	37.54	-29.716	-0.209	-2.089	3.568	1140.013	1
41138_1138	41138	1138	-72.44	1.777	-0.802	-1.644	-7.119	378.885	1
41138_1139	41138	1139	36.833	-28.981	-0.093	-1.466	2.738	1173.496	1
41139_1139	41139	1139	-73.595	1.725	-0.68	-1.031	-11.752	368.246	1
41139_1140	41139	1140	36.546	-25.638	-0.163	0.074	1.28	1186.447	1
41140_1140	41140	1140	-75.104	1.658	-0.682	-1.05	-15.615	358.266	1
41140_1141	41140	1141	36.661	-22.367	-0.167	-0.343	-0.3	1178.651	1
41141_1141	41141	1141	-77.06	1.546	-0.811	-1.656	-19.408	348.521	1
41141_1142	41141	1142	37.282	-19.265	-0.112	-2.526	-1.584	1156.527	1
41142_1142	41142	1142	-78.478	1.267	-0.902	-0.842	-24.061	339.605	1
41142_1143	41142	1143	38.759	-17.508	-0.182	0.822	-4.129	1119.588	1
41143_1143	41143	1143	-82.536	0.913	-0.924	-0.889	-30.701	330.864	1
41143_1144	41143	1144	41.069	-13.691	-0.22	0.272	-7.543	1061.789	1
41144_1144	41144	1144	-37.145	-2.551	0.786	1.246	18.446	327.943	1
41144_1145	41144	1145	43.861	-10.193	-0.204	-1.465	-11.17	981.745	1
41145_1145	41145	1145	-35.1	-2.881	1.833	1.904	23.913	348.659	1
41145_1146	41145	1146	47.039	-7.874	-4.101	1.415	-45.432	890.66	1
41146_1146	41146	1146	-68.631	-12.507	-1.016	-1.655	-32.617	385.946	1
41146_1147	41146	1147	50.082	-4.889	-4.185	0.783	-81.174	784.886	1
41147_1147	41147	1147	-57.103	-17.641	-0.337	-1.905	-24.375	516.92	1
41147_1148	41147	1148	53.994	-1.732	-4.241	-0.352	-125.067	634.298	1
41148_1148	41148	1148	63.264	33.228	-2.619	4.395	54.877	1437.776	1
41148_1149	41148	1149	-32.512	-36.622	1.104	-1.684	-22.138	627.704	1
41149_1149	41149	1149	-31.246	10.436	0.674	-0.495	-40.865	1156.42	1
41149_1150	41149	1150	-37.471	-33.026	1.761	-1.688	-0.648	876.812	1
41150_1150	41150	1150	-31.486	9.607	-0.112	-1.402	-32.336	1025.662	1
41150_1151	41150	1151	-42.735	-29.799	-1.091	-2.539	-7.607	1109.271	1
41151_1151	41151	1151	-31.485	8.785	-0.081	0.14	-34.271	888.126	1
41151_1152	41151	1152	-46.921	-26.361	-1.207	-2.326	-18.829	1266.706	1
41152_1152	41152	1152	-31.629	8.139	0.149	-0.187	-35.211	784.83	1
41152_1153	41152	1153	-49.659	-26.05	-0.498	-1.608	-22.253	1382.863	1
41153_1153	41153	1153	-31.697	7.869	0.156	0.25	-33.986	714.474	1
41153_1154	41153	1154	-53.782	-20.706	-0.579	-2.284	-29.685	1531.124	1
41154_1154	41154	1154	-31.632	7.663	0.2	0.29	-31.89	606.352	1
41154_1155	41154	1155	-56.437	-19.152	0.064	-1.326	-29.581	1640.558	1
41155_1155	41155	1155	-31.631	7.663	0.229	0.764	-29.689	522.04	1
41155_1156	41155	1156	-58.217	-14.044	0.108	-0.915	-28.487	1707.248	1
41156_1156	41156	1156	-31.632	7.555	0.225	0.637	-27.173	437.736	1
41156_1157	41156	1157	-59.324	-13.047	0.044	-0.343	-28.437	1754.364	1
41157_1157	41157	1157	-31.632	7.555	0.256	0.991	-24.915	362.02	1
41157_1158	41157	1158	-59.864	-8.253	0.087	0.4	-27.666	1756.869	1
41158_1158	41158	1158	-31.363	7.505	0.175	0.87	-22.42	286.403	1
41158_1159	41158	1159	-59.937	-7.211	-0.038	0.782	-28.562	1749.347	1
41159_1159	41159	1159	-26.41	-6.636	-0.183	-0.543	-24.315	327.192	1
41159_1160	41159	1160	-56.848	-18.916	-0.034	-0.595	-29.128	1698.462	1
41160_1160	41160	1160	-26.41	-6.755	-0.217	-0.467	-26.148	393.636	1
41160_1161	41160	1161	-54.687	-17.438	-0.128	0.528	-30.529	1627.833	1
41161_1161	41161	1161	-26.483	-6.756	-0.216	-0.467	-28.482	467.961	1
41161_1162	41161	1162	-51.772	-12.707	-0.118	-0.371	-31.504	1514.51	1
41162_1162	41162	1162	-26.486	-6.926	-0.052	-0.088	-30.863	542.296	1
41162_1163	41162	1163	-47.208	-9.992	0.63	1.302	-22.142	1354.201	1
41163_1163	41163	1163	-26.426	-7.15	-0.058	0.031	-31.584	639.365	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41163_1164	41163	1164	-43.91	-7.208	0.545	0.56	-18.002	1237.618	1
41164_1164	41164	1164	-26.309	-7.715	0.156	0.159	-32.071	698.36	1
41164_1165	41164	1165	-38.753	-5.495	1.111	1.602	-6.613	1061.085	1
41165_1165	41165	1165	-26.306	-8.398	0.164	1.011	-29.82	795.957	1
41165_1166	41165	1166	-32.53	-1.803	0.849	0.987	0.341	833.746	1
41166_1166	41166	1166	-26.068	-9.096	-0.588	0.563	-27.693	907.377	1
41166_1167	41166	1167	-26.605	1.288	-1.104	0.722	-21.221	581.162	1
41167_1167	41167	1167	62.862	-26.979	2.063	-3.677	16.972	1102.185	1
41167_1168	41167	1168	31.406	-4.466	-0.162	-0.379	-4.433	466.375	1
41168_1168	41168	1168	-43.763	26.53	-0.732	2.658	8.296	739.684	1
41168_1169	41168	1169	54.176	-31.829	4.268	-0.477	-80.908	763.1	1
41169_1169	41169	1169	-50.769	20.207	0.024	2.397	-15.259	506.929	1
41169_1170	41169	1170	50.877	-28.896	4.163	-1.703	-44.875	879.448	1
41170_1170	41170	1170	-59.641	14.926	0.668	1.842	-25.105	374.708	1
41170_1171	41170	1171	47.449	-25.672	4.016	-2.305	-10.255	970.842	1
41171_1171	41171	1171	-36.67	2.392	-0.894	-1.298	20.225	353.713	1
41171_1172	41171	1172	44.363	-23.003	0.349	0.615	-5.336	1050.555	1
41172_1172	41172	1172	-38.939	2.321	-0.962	-1.774	13.74	334.856	1
41172_1173	41172	1173	41.649	-19.236	0.349	-1.356	-0.867	1108.878	1
41173_1173	41173	1173	-38.97	2.32	-0.913	-1.371	6.056	316.319	1
41173_1174	41173	1174	39.729	-15.146	0.229	-0.578	2.062	1147.19	1
41174_1174	41174	1174	-43.002	1.831	-0.668	-0.848	-0.646	297.875	1
41174_1175	41174	1175	38.76	-14.292	0.006	1.765	2.308	1170.206	1
41175_1175	41175	1175	-43.03	1.83	-0.739	-1.326	-4.648	286.885	1
41175_1176	41175	1176	38.273	-11.055	0.066	-0.68	2.845	1179.28	1
41176_1176	41176	1176	-60.964	-1.215	0.652	1.185	-9.114	285.625	1
41176_1177	41176	1177	38.173	-7.748	-0.002	0.83	2.921	1167.832	1
41177_1177	41177	1177	-60.761	-1.225	0.652	1.182	-5.23	292.917	1
41177_1178	41177	1178	43.647	-19.399	-0.062	-1.099	1.781	1143.317	1
41178_1178	41178	1178	-60.768	-1.542	0.875	1.395	-1.318	300.281	1
41178_1179	41178	1179	46.838	-17.539	-0.32	-0.489	-1.369	1104.048	1
41179_1179	41179	1179	-57.06	-1.681	0.919	1.724	4.834	313.583	1
41179_1180	41179	1180	50.777	-13.782	-0.434	0.254	-6.053	1044.875	1
41180_1180	41180	1180	-57.06	-1.681	0.919	1.724	12.187	327.034	1
41180_1181	41180	1181	55.11	-10.338	-0.484	-0.349	-11.587	964.569	1
41181_1181	41181	1181	-56.87	-1.987	1.967	2.099	19.46	340.523	1
41181_1182	41181	1182	59.709	-7.917	-4.095	1.828	-45.659	873.156	1
41182_1182	41182	1182	-50.949	-14.947	-0.625	-1.717	-24.589	367.257	1
41182_1183	41182	1183	64.065	-5.013	-4.171	1.213	-80.968	768.705	1
41183_1183	41183	1183	-43.728	-20.827	0.057	-2.521	-12.738	511.365	1
41183_1184	41183	1184	69.448	-1.947	-4.164	-0.564	-123.652	620.048	1
41184_1184	41184	1184	47.189	36.856	-2.528	5.146	45.695	1535.796	1
41184_1185	41184	1185	-23.505	-38.495	1.015	-1.312	-20.222	540.906	1
41185_1185	41185	1185	46.172	31.265	-2.006	3.406	12.004	1105.913	1
41185_1186	41185	1186	-26.875	-35.018	1.634	-2.156	0.773	810.232	1
41186_1186	41186	1186	-15.11	6.996	-0.169	-1.011	-28.33	851.822	1
41186_1187	41186	1187	-30.556	-31.577	-1.157	-2.066	-6.387	1069.815	1
41187_1187	41187	1187	-15.283	6.61	-0.17	-0.228	-30.592	754.962	1
41187_1188	41187	1188	-33.518	-28.011	-1.327	-2.698	-18.286	1262.715	1
41188_1188	41188	1188	-15.309	6.204	0.064	-0.025	-32.699	677.261	1
41188_1189	41188	1189	-35.495	-27.378	-0.701	-1.4	-23.086	1399.981	1
41189_1189	41189	1189	-15.361	6.074	0.057	-0.051	-32.168	623.594	1
41189_1190	41189	1190	-38.62	-22.044	-0.849	-3.139	-33.981	1584.252	1
41190_1190	41190	1190	-15.003	5.914	0.165	0.698	-31.693	540.101	1
41190_1191	41190	1191	-43.178	-36.934	-0.182	-2.859	-35.956	1733.691	1
41191_1191	41191	1191	-15.003	5.914	0.151	0.266	-29.879	475.034	1
41191_1192	41191	1192	-43.608	-31.779	-0.244	-5.506	-38.426	1825.133	1
41192_1192	41192	1192	-15.003	5.806	0.166	0.637	-28.215	409.972	1
41192_1193	41192	1193	-43.639	-30.302	-0.098	-3.104	-39.34	1892.344	1
41193_1193	41193	1193	-15.003	5.806	0.18	0.985	-26.539	351.258	1
41193_1194	41193	1194	-43.306	-25.583	-0.072	-2.428	-39.907	1908.656	1
41194_1194	41194	1194	-13.078	-7.908	-0.352	-1.095	-33.121	383.367	1
41194_1195	41194	1195	-42.63	-24.303	-0.279	-0.743	-42.704	1911.331	1
41195_1195	41195	1195	-13.078	-7.908	-0.352	-1.095	-36.679	463.337	1
41195_1196	41195	1196	-41.531	-19.759	-0.286	-1.804	-45.372	1868.427	1
41196_1196	41196	1196	-13.842	-8.09	-0.323	-0.334	-39.947	543.363	1
41196_1197	41196	1197	-39.911	-17.958	-0.089	1.723	-45.904	1801.13	1
41197_1197	41197	1197	-13.842	-8.09	-0.336	-0.921	-43.505	632.374	1
41197_1198	41197	1198	-37.706	-13.364	-0.141	-0.972	-46.604	1691.386	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41198_1198	41198	1198	-14.191	-8.371	-0.095	-0.022	-46.989	721.323	1
41198_1199	41198	1199	-34.245	-10.538	0.736	1.807	-34.971	1531.57	1
41199_1199	41199	1199	-14.12	-8.49	-0.099	0.156	-48.302	839.824	1
41199_1200	41199	1200	-31.721	-7.748	0.637	1.054	-29.527	1418.822	1
41200_1200	41200	1200	-13.984	-8.89	0.112	0.523	-49.12	909.865	1
41200_1201	41200	1201	-27.828	-5.687	0.987	2.342	-18.919	1234.495	1
41201_1201	41201	1201	-13.755	-9.241	0.113	1.799	-47.767	1018.809	1
41201_1202	41201	1202	-23.218	-1.937	0.754	1.731	-11.973	993.92	1
41202_1202	41202	1202	-13.497	-9.588	-0.831	1.947	-46.286	1141.316	1
41202_1203	41202	1203	-18.919	1.291	-1.17	1.81	-32.585	724.669	1
41203_1203	41203	1203	-13.245	-9.933	-0.831	3.411	-56.641	1261.517	1
41203_1204	41203	1204	2.53	-2.584	-0.077	0.995	-26.427	480.832	1
41204_1204	41204	1204	-48.863	24.77	-0.002	3.625	-17.778	795.402	1
41204_1205	41204	1205	57.727	-30.052	4.882	0.158	-105.816	857.516	1
41205_1205	41205	1205	-57.248	19.156	0.865	2.517	-40.333	572.904	1
41205_1206	41205	1206	54.155	-27.357	4.79	-2.499	-62.652	960.372	1
41206_1206	41206	1206	-70.106	13.077	1.885	1.702	-52.289	449.186	1
41206_1207	41206	1207	50.514	-24.391	4.59	-3.17	-21.529	1036.321	1
41207_1207	41207	1207	-83.653	4.643	1.526	1.803	-54.284	377.099	1
41207_1208	41207	1208	47.247	-21.881	0.862	-0.536	-10.877	1102.505	1
41208_1208	41208	1208	-79.512	2.618	1.677	1.977	-44.55	349.037	1
41208_1209	41208	1209	44.341	-18.396	0.707	0.04	-2.221	1150.154	1
41209_1209	41209	1209	-74.735	1.76	1.661	1.838	-31.856	332.177	1
41209_1210	41209	1210	42.247	-14.613	0.591	-0.726	4.606	1181.535	1
41210_1210	41210	1210	-68.182	0.813	1.08	1.782	-19.324	321.098	1
41210_1211	41210	1211	41.172	-13.647	0.14	0.379	5.989	1200.345	1
41211_1211	41211	1211	-67.195	0.738	1.191	2.287	-12.927	316.223	1
41211_1212	41211	1212	40.584	-10.644	0.037	1.882	6.549	1206.856	1
41212_1212	41212	1212	-64.329	0.529	1.181	2.214	-6.067	312.727	1
41212_1213	41212	1213	43.734	-23.231	-0.16	-0.786	4.725	1199.766	1
41213_1213	41213	1213	-60.618	0.317	1.068	1.627	0.572	309.702	1
41213_1214	41213	1214	45.671	-20.375	-0.122	-3.083	3.377	1181.653	1
41214_1214	41214	1214	-58.148	-1.109	-1.629	-1.456	-24.706	314.507	1
41214_1215	41214	1215	48.883	-18.413	-0.787	0.875	-4.252	1149.627	1
41215_1215	41215	1215	-63.455	-1.795	-1.733	-1.996	-37.142	325.428	1
41215_1216	41215	1216	52.86	-14.929	-0.819	-1.295	-13.273	1101.627	1
41216_1216	41216	1216	-66.513	-2.407	-1.654	-1.664	-50.342	341.773	1
41216_1217	41216	1217	57.249	-11.732	-0.98	-0.686	-24.312	1035.082	1
41217_1217	41217	1217	-71.62	-4.864	-2.957	-1.08	-59.026	370.766	1
41217_1218	41217	1218	61.952	-9.397	-4.64	2.014	-64.427	958.318	1
41218_1218	41218	1218	-60.903	-12.993	-1.914	-2.066	-55.215	443.575	1
41218_1219	41218	1219	66.401	-6.69	-4.781	1.182	-106.688	869.963	1
41219_1219	41219	1219	-50.613	-19.084	-0.901	-2.727	-42.863	580.217	1
41219_1220	41219	1220	71.922	-3.805	-4.924	-0.401	-159.793	737.056	1
41220_1220	41220	1220	41.267	37.462	-2.834	4.691	74.69	1471.343	1
41220_1221	41220	1221	-18.025	-38.861	1.308	-4.643	-29.861	688.957	1
41221_1221	41221	1221	-7.298	7.54	1.251	0.349	-55.338	1205.648	1
41221_1222	41221	1222	-20.603	-35.624	2.142	-2.338	-5.187	974.989	1
41222_1222	41222	1222	-7.013	7.795	-0.288	-3.802	-40.254	1111.232	1
41222_1223	41222	1223	-23.6	-32.035	-1.202	-5.859	-13.626	1247.549	1
41223_1223	41223	1223	-7.003	7.605	-0.253	1.28	-44.56	1005.606	1
41223_1224	41223	1224	-26.165	-28.689	-1.245	-2.08	-26.054	1455.252	1
41224_1224	41224	1224	-7.125	7.716	0.196	-2.348	-47.465	916.139	1
41224_1225	41224	1225	-27.954	-27.346	-0.681	-5.863	-31.112	1596.984	1
41225_1225	41225	1225	-7.188	7.657	0.222	1.139	-45.866	852.495	1
41225_1226	41225	1226	-35.78	-40.575	-0.703	-4.934	-44.857	1835.788	1
41226_1226	41226	1226	-6.846	7.696	0.233	-0.964	-42.42	726.745	1
41226_1227	41226	1227	-37.269	-35.976	-0.002	-8.721	-45.324	1986.487	1
41227_1227	41227	1227	-6.844	7.696	0.266	2.113	-39.546	631.775	1
41227_1228	41227	1228	-38.284	-30.605	0.186	-1.086	-43	2068.252	1
41228_1228	41228	1228	-6.722	7.694	0.216	0.36	-36.305	536.772	1
41228_1229	41228	1229	-38.827	-27.76	-0.144	-5.371	-44.616	2111.273	1
41229_1229	41229	1229	-16.712	-8.926	-0.229	-1.139	-34.843	463.037	1
41229_1230	41229	1230	-38.348	-5.027	0.006	2.569	-44.545	2085.489	1
41230_1230	41230	1230	-17.368	-9.021	0.087	-2.458	-37.488	573.052	1
41230_1231	41230	1231	-38.874	-2.05	0.4	-0.186	-39.915	2024.344	1
41231_1231	41231	1231	-17.367	-9.021	0.144	-0.226	-36.412	684.312	1
41231_1232	41231	1232	-37.264	-14.796	0.571	1.803	-30.559	1902.555	1
41232_1232	41232	1232	-17.37	-9.161	0.279	-2.775	-34.639	795.276	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41232_1233	41232	1233	-35.83	-12.968	1.122	-2.215	-18.409	1793.095	1
41233_1233	41233	1233	-17.369	-9.161	0.334	0.046	-31.879	885.83	1
41233_1234	41233	1234	-33.592	-8.956	1.165	1.805	-4.284	1632.303	1
41234_1234	41234	1234	-17.331	-9.23	0.413	4.638	-28.023	991.338	1
41234_1235	41234	1235	-32.85	-8.049	1.283	8.541	-0.435	1582.65	1
41235_1235	41235	1235	-17.116	-9.511	-0.756	-1.06	-26.772	1020.046	1
41235_1236	41235	1236	-30.849	-7.161	-1.539	0.528	-12.5	1473.152	1
41236_1236	41236	1236	-17.136	-9.477	-0.721	1.116	-32.134	1088.009	1
41236_1237	41236	1237	-28.261	-4.14	-1.378	2.183	-26.945	1304.434	1
41237_1237	41237	1237	-17.262	-9.88	-0.673	4.961	-38.635	1187.258	1
41237_1238	41237	1238	-26.806	-3.391	-1.243	5.067	-32.734	1228.442	1
41238_1238	41238	1238	-17.309	-11.315	3.254	0.069	-42.079	1233.924	1
41238_1239	41238	1239	-23.819	-3.584	5.138	0.4	23.095	1047.447	1
41239_1239	41239	1239	-17.528	-11.742	3.298	4.142	-6.411	1356.007	1
41239_1240	41239	1240	-20.381	-0.684	5.094	1.463	79.415	833.348	1
41240_1240	41240	1240	-16.008	-16.442	-6.499	15.751	31.02	1485.197	1
41240_1241	41240	1241	-14.906	-4.244	-8.692	17.326	-25.85	644.42	1
41241_1241	41241	1241	-70.356	20.586	-0.788	-1.458	-33.657	868.47	1
41241_1242	41241	1242	65.022	-23.186	-3.703	-16.481	-97.603	1051.719	1
41242_1242	41242	1242	-78.375	17.395	-1.248	-3.225	-58.883	685.502	1
41242_1243	41242	1243	63.708	-22.147	-3.719	-15.356	-108.13	1072.427	1
41243_1243	41243	1243	-83.255	15.052	2.211	2.202	-72.788	634.498	1
41243_1244	41243	1244	59.376	-23.078	5.099	-2.023	-56.073	1146.644	1
41244_1244	41244	1244	-93.534	7.908	3.687	3.264	-73.709	532.038	1
41244_1245	41244	1245	55.595	-19.479	4.724	0.416	-0.83	1207.071	1
41245_1245	41245	1245	-88.186	4.835	1.369	2.464	-38.126	464.82	1
41245_1246	41245	1246	52.967	-16.578	0.938	-1.307	11.459	1249.639	1
41246_1246	41246	1246	-81.312	3.478	1.668	3.551	-25.294	423.632	1
41246_1247	41246	1247	51.168	-12.509	0.717	1.476	20.843	1274.109	1
41247_1247	41247	1247	-76.735	2.689	0.81	2.88	-9.107	392.065	1
41247_1248	41247	1248	52.924	-26.641	0.125	-2.501	22.339	1280.451	1
41248_1248	41248	1248	-61.093	-2.386	-0.844	-2.635	-16.084	397.917	1
41248_1249	41248	1249	55.968	-22.179	0.056	-1.347	21.509	1269.433	1
41249_1249	41249	1249	-63.976	-2.743	-1.927	-3.381	-24.525	424.357	1
41249_1250	41249	1250	60.271	-18.59	-3.186	-3.258	-13.851	1234.461	1
41250_1250	41250	1250	-69.23	-3.673	-1.702	-1.784	-43.966	456.991	1
41250_1251	41250	1251	64.873	-15.209	-3.336	0.305	-46.693	1185.481	1
41251_1251	41251	1251	-73.437	-5.204	-2.802	-3.159	-58.252	495.772	1
41251_1252	41251	1252	70.401	-15.091	-2.129	-2.549	-68.617	1147.829	1
41252_1252	41252	1252	-76.985	-8.006	-2.596	-1.799	-80.399	560.705	1
41252_1253	41252	1253	76.665	-11.21	-2.876	-0.348	-105.696	1072.732	1
41253_1253	41253	1253	-67.204	-15.467	-2.193	-2.941	-74.287	691.927	1
41253_1254	41253	1254	78.471	-10.19	-2.965	-1.463	-117.934	1044.646	1
41254_1254	41254	1254	-64.66	-17.637	1.406	8.179	-73.335	743.059	1
41254_1255	41254	1255	81.664	-12.466	2.574	27.162	-107.231	1019.521	1
41255_1255	41255	1255	-9.03	12.229	5.341	-12.873	-69.79	1608.847	1
41255_1256	41255	1256	-16.549	-34.165	6.138	-13.011	1.817	785.884	1
41256_1256	41256	1256	-9.208	12.086	5.361	-9.471	-26.962	1509.752	1
41256_1257	41256	1257	-17.82	-32.338	6.747	-12.836	49.529	919.577	1
41257_1257	41257	1257	-9.378	9.483	-0.302	-4.463	11.417	1422.114	1
41257_1258	41257	1258	-20.005	-34.712	-0.621	-3.454	45.488	1138.873	1
41258_1258	41258	1258	-9.581	9.279	-0.273	-0.763	8	1323.783	1
41258_1259	41258	1259	-22.597	-31.519	-0.164	-2.833	49.26	1382.83	1
41259_1259	41259	1259	-9.127	9.427	-2.093	-2.637	3.197	1202.246	1
41259_1260	41259	1260	-24.284	-29.198	-4.179	-4.787	12.503	1558.561	1
41260_1260	41260	1260	-9.28	9.281	-2.072	0.121	-18.937	1102.815	1
41260_1261	41260	1261	-26.168	-26.546	-4.376	-2.812	-26.954	1707.967	1
41261_1261	41261	1261	-9.363	9.199	-2.067	0.766	-38.516	1016.021	1
41261_1262	41261	1262	-26.697	-25.713	-4.428	-2.577	-41.182	1758.364	1
41262_1262	41262	1262	-9.416	9.362	0.32	-1.605	-45.064	986.757	1
41262_1263	41262	1263	-29.343	-22.706	0.081	-5.788	-41.708	1908.945	1
41263_1263	41263	1263	-9.415	9.362	0.353	1.486	-41.502	882.701	1
41263_1264	41263	1264	-35.659	-36.45	0.253	-3.663	-41.709	2035.503	1
41264_1264	41264	1264	-9.411	9.243	0.212	-0.297	-37.285	770.907	1
41264_1265	41264	1265	-37.107	-33.501	0.135	-7.087	-40.682	2137.38	1
41265_1265	41265	1265	-9.218	9.234	0.247	2.086	-34.91	663.976	1
41265_1266	41265	1266	-38.218	-28.766	0.295	-1.146	-37.337	2182.789	1
41266_1266	41266	1266	-9.217	9.12	0.223	0.915	-32.074	557.929	1
41266_1267	41266	1267	-37.057	-8.049	0.231	-1.21	-34.898	2192.619	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41267_1267	41267	1267	-27.314	-8.948	0.108	-1.365	-26.307	488.858	1
41267_1268	41267	1268	-38.191	-3.309	0.39	2.7	-29.627	2149.711	1
41268_1268	41268	1268	-27.314	-8.944	0.16	-2.488	-25.076	590.594	1
41268_1269	41268	1269	-39.045	0.372	0.639	0.177	-19.668	2054.703	1
41269_1269	41269	1269	-27.313	-8.944	0.249	-0.182	-22.985	707.319	1
41269_1270	41269	1270	-38.473	-13.548	0.943	2.468	-3.378	1923.083	1
41270_1270	41270	1270	-27.314	-8.816	-1.308	-2.145	-20.129	809.744	1
41270_1271	41270	1271	-37.47	-11.125	-3.205	-0.869	-32.233	1801.883	1
41271_1271	41271	1271	-27.318	-8.816	-1.238	0.133	-32.118	890.549	1
41271_1272	41271	1272	-35.691	-7.552	-2.843	2.191	-61.581	1630.432	1
41272_1272	41272	1272	-27.277	-8.951	-1.169	2.82	-45.92	989.996	1
41272_1273	41272	1273	-34.877	-6.477	-2.636	5.791	-70.33	1560.791	1
41273_1273	41273	1273	-27.155	-10.643	-0.148	-1.493	-50.838	1027.42	1
41273_1274	41273	1274	-32.99	-8.949	0.714	-0.196	-59.137	1458.317	1
41274_1274	41274	1274	-27.013	-10.999	-0.108	0.81	-51.984	1112.067	1
41274_1275	41274	1275	-30.987	-6.752	0.502	1.704	-51.528	1340.153	1
41275_1275	41275	1275	-26.952	-11.34	0.003	5.881	-52.285	1204.647	1
41275_1276	41275	1276	-29.796	-5.793	0.487	6.653	-48.29	1279.538	1
41276_1276	41276	1276	-26.618	-13.633	7.94	0.145	-52.535	1252.101	1
41276_1277	41276	1277	-26.148	-5.578	9.595	0.681	66	1099.883	1
41277_1277	41277	1277	-26.26	-14.252	8.046	4.636	41.26	1412.402	1
41277_1278	41277	1278	-22.051	-2.004	9.142	1.648	179.883	857.543	1
41278_1278	41278	1278	-25.422	-19.952	-15.177	22.903	146.41	1594.616	1
41278_1279	41278	1279	-18.274	-5.827	-15.141	23.378	25.077	701.819	1
41279_1279	41279	1279	-76.779	21.483	-3.416	-1.966	-11.208	890.927	1
41279_1280	41279	1280	56.184	-22.824	-7.822	-14.983	-69.229	1077.247	1
41280_1280	41280	1280	-87.858	18.261	-4.639	-3.787	-56.171	697.43	1
41280_1281	41280	1281	54.395	-21.142	-7.561	-13.936	-107.79	1100.64	1
41281_1281	41281	1281	-98.635	15.303	3.819	1.003	-97.423	635.002	1
41281_1282	41281	1282	50.864	-18.899	3.915	-1.719	-47.036	1127.525	1
41282_1282	41282	1282	-111.513	9.891	5.019	2.032	-61.404	481.184	1
41282_1283	41282	1283	48.362	-14.488	3.083	0.763	-2.235	1140.544	1
41283_1283	41283	1283	-107.459	5.678	-0.396	1.718	-0.192	379.056	1
41283_1284	41283	1284	47.777	-12.509	0.064	-1.123	-2.18	1172.557	1
41284_1284	41284	1284	-51.724	-2.783	-0.075	-1.111	-8.795	402.707	1
41284_1285	41284	1285	55.743	-24.94	-0.032	0.022	-1.715	1178.247	1
41285_1285	41285	1285	-54.44	-3.159	-1.951	-2.229	-8.938	435.223	1
41285_1286	41285	1286	61.276	-22.614	-0.623	-2.653	-7.671	1186.733	1
41286_1286	41286	1286	-58.819	-3.976	-1.888	-0.958	-30.812	476.484	1
41286_1287	41286	1287	67.57	-18.368	-1.081	-0.076	-20.747	1164.212	1
41287_1287	41287	1287	-62.853	-5.217	-1.318	-2.443	-50.871	524.51	1
41287_1288	41287	1288	76.779	-16.066	-1.671	-2.606	-47.864	1143.828	1
41288_1288	41288	1288	-67.111	-7.852	-1.164	-0.613	-67.348	608.767	1
41288_1289	41288	1289	84.898	-12.264	-2.217	0.358	-80.063	1097.102	1
41289_1289	41289	1289	-63.975	-12.928	2.137	1.109	-68.734	719.126	1
41289_1290	41289	1290	87.877	-13.116	3.725	5.238	-68.644	1081.772	1
41290_1290	41290	1290	-59.369	-15.447	1.97	1.796	-52.117	778.387	1
41290_1291	41290	1291	94.526	-10.226	3.988	6.719	-36.281	1037.819	1
41291_1291	41291	1291	-2.581	9.157	4.562	-9.152	-11.567	1707.133	1
41291_1292	41291	1292	-8.566	-35.443	6.391	-12.477	64.795	843.899	1
41292_1292	41292	1292	-2.954	7.432	-1.505	-4.855	21.735	1639.105	1
41292_1293	41292	1293	-8.892	-37.141	-3.246	-3.418	27.576	1189.986	1
41293_1293	41293	1293	-3.164	7.348	-1.489	2.106	2.184	1544.954	1
41293_1294	41293	1294	-11.182	-55.298	-2.781	-1.675	1.298	1495.435	1
41294_1294	41294	1294	-3.21	7.88	-0.047	-5.722	-14.47	1462.849	1
41294_1295	41294	1295	-10.423	-53.612	-0.538	-8.422	-1.192	1693.552	1
41295_1295	41295	1295	-3.344	7.824	-0.033	0.145	-14.962	1406.657	1
41295_1296	41295	1296	-9.854	-51.495	-0.546	-2.179	-5.167	1883.685	1
41296_1296	41296	1296	-3.433	7.785	-0.03	1.733	-15.198	1350.659	1
41296_1297	41296	1297	-9.667	-48.706	-0.566	-0.943	-10.593	2105.459	1
41297_1297	41297	1297	-3.437	7.565	-0.157	-3.572	-15.457	1282.187	1
41297_1298	41297	1298	-9.804	-49.285	-0.188	-8.563	-11.836	2207.895	1
41298_1298	41298	1298	-3.318	7.536	-0.15	-1.594	-16.265	1252.512	1
41298_1299	41298	1299	-10.098	-46.335	-0.104	-5.759	-13.71	2409.155	1
41299_1299	41299	1299	-3.318	7.536	-0.14	2.213	-17.539	1188.716	1
41299_1300	41299	1300	-10.414	-42.066	0.028	0.778	-14.002	2645.908	1
41300_1300	41300	1300	-3.318	7.43	0.241	-1.597	-19.214	1098.395	1
41300_1301	41300	1301	-10.637	-39.653	0.326	-7.532	-9.844	2867.236	1
41301_1301	41301	1301	-3.317	7.43	0.254	2.413	-16.043	1000.588	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41301_1302	41301	1302	-10.706	-35.468	0.409	2.813	-5.067	2996.477	1
41302_1302	41302	1302	-3.245	7.191	0.242	-1.128	-13.213	916.474	1
41302_1303	41302	1303	-10.647	-33.184	0.23	-7.829	-2.226	3105.134	1
41303_1303	41303	1303	-3.243	7.191	0.257	2.717	-9.956	819.664	1
41303_1304	41303	1304	-10.71	-10.284	0.267	7.142	0.443	3140.775	1
41304_1304	41304	1304	-3.242	6.954	0.34	-0.345	-7.116	740.271	1
41304_1305	41304	1305	-10.637	-8.386	0.272	-4.782	4.425	3166.244	1
41305_1305	41305	1305	-3.241	6.954	0.353	2.237	-2.676	649.403	1
41305_1306	41305	1306	-10.44	-3.983	0.344	7.018	8.744	3111.729	1
41306_1306	41306	1306	-3.041	6.631	0.489	0.137	1.332	569.952	1
41306_1307	41306	1307	-10.083	-2.542	0.332	-3.129	12.501	3015.427	1
41307_1307	41307	1307	-3.04	6.631	0.499	1.853	7.13	491.294	1
41307_1308	41307	1308	-9.523	2.634	0.385	6.471	16.891	2815.508	1
41308_1308	41308	1308	-3.038	6.354	0.309	0.561	13.44	407.505	1
41308_1309	41308	1309	-8.783	4.868	0.289	-1.42	19.071	2557.574	1
41309_1309	41309	1309	-2.999	6.35	0.321	1.825	17.213	330.242	1
41309_1310	41309	1310	-7.806	10.432	0.363	7.176	22.103	2182.304	1
41310_1310	41310	1310	-2.818	6.352	-0.221	0.963	21.227	251.978	1
41310_1311	41310	1311	-7.205	20.691	-0.735	1.358	11.498	1711.241	1
41311_1311	41311	1311	-2.635	6.329	-0.161	1.6	19.061	170.758	1
41311_1312	41311	1312	-5.787	27.009	-0.579	6.373	2.731	1100.407	1
41312_1312	41312	1312	-1.995	5.88	-1.175	1.443	21.103	90.554	1
41312_1313	41312	1313	4.007	-5.808	0.167	-1.943	0	25.896	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
1000_1000	1000	1000	-1.503	-4.894	0.189	-0.253	0	-5.399	1
1000_1001	1000	1001	-5.76	5.145	-0.247	0.247	-4.202	-51.419	1
1001_1001	1001	1001	-73.521	22.203	-0.166	1.073	-2.833	-604.458	1
1001_1002	1001	1002	-10.093	5.178	-0.236	0.278	-6.59	-87.091	1
1002_1002	1002	1002	-108.928	18.721	0.105	0.657	-5.197	-892.708	1
1002_1003	1002	1003	-15.068	5.241	0.321	0.239	-2.677	-127.732	1
1003_1003	1003	1003	-141.301	7.28	0.109	0.953	-4.029	-1155.118	1
1003_1004	1003	1004	-20.102	5.241	0.321	0.264	1.238	-168.385	1
1004_1004	1004	1004	-165.83	5.274	0.077	0.411	-2.685	-1354.865	1
1004_1005	1004	1005	-25.146	5.235	0.143	0.212	2.985	-208.986	1
1005_1005	1005	1005	-185.472	-0.155	0.066	0.838	-1.476	-1514.733	1
1005_1006	1005	1006	-30.176	5.235	0.143	0.252	4.735	-249.608	1
1006_1006	1006	1006	-197.27	-0.665	0.057	0.163	-0.326	-1610.861	1
1006_1007	1006	1007	-35.397	5.434	0.079	0.18	5.698	-291.737	1
1007_1007	1007	1007	-206.576	-5.699	0.039	0.618	0.857	-1686.543	1
1007_1008	1007	1008	-40.616	5.434	0.079	0.236	6.663	-333.888	1
1008_1008	1008	1008	-209.231	-5.66	0.064	-0.065	1.781	-1708.239	1
1008_1009	1008	1009	-46.033	5.657	0.071	0.145	7.511	-377.728	1
1009_1009	1009	1009	-210.555	-10.469	0.045	0.361	3.093	-1718.936	1
1009_1010	1009	1010	-51.469	5.657	0.071	0.209	8.382	-421.627	1
1010_1010	1010	1010	-206.3	-27.106	0.112	-0.693	3.238	-1684.571	1
1010_1011	1010	1011	-57.181	5.95	0.075	0.041	9.292	-467.759	1
1011_1011	1011	1011	-202.919	-31.835	0.092	0.074	4.776	-1657.255	1
1011_1012	1011	1012	-62.89	5.95	0.075	0.231	10.205	-513.871	1
1012_1012	1012	1012	-193.899	-32.357	0.137	-0.441	5.937	-1584.191	1
1012_1013	1012	1013	-68.907	6.265	0.067	0.132	11.018	-562.465	1
1013_1013	1013	1013	-183.638	-36.99	0.113	-0.575	7.645	-1500.91	1
1013_1014	1013	1014	-74.923	6.265	0.067	0.024	11.829	-611.056	1
1014_1014	1014	1014	-168.268	-40.066	0.001	-0.601	8.796	-1376.184	1
1014_1015	1014	1015	-83.247	6.316	0.026	0.085	12.269	-678.29	1
1015_1015	1015	1015	-156.896	-44.911	-0.016	-0.414	5.592	-1194.652	1
1015_1016	1015	1016	-93.505	6.093	0.017	-0.128	8.283	-726.656	1
1016_1016	1016	1016	-136.465	-46.374	-0.209	-0.333	5.284	-1076.078	1
1016_1017	1016	1017	-90.906	5.859	-0.038	-0.013	7.841	-786.101	1
1017_1017	1017	1017	-100.885	-50.777	-0.21	-0.528	2.687	-915.309	1
1017_1018	1017	1018	-80.755	5.759	-0.038	-0.312	7.318	-867.902	1
1018_1018	1018	1018	-63.416	-35.783	0.271	-0.214	1.456	-717.101	1
1018_1019	1018	1019	-69.358	5.59	0.142	-0.162	9.059	-945.863	1
1019_1019	1019	1019	-33.374	-39.116	0.169	-0.368	4.393	-516.035	1
1019_1020	1019	1020	-58.084	5.734	0.142	-0.603	10.799	-1028.858	1
1020_1020	1020	1020	-112.071	-3.627	-0.786	-0.041	25.185	-456.513	1
1020_1021	1020	1021	-17.622	-17.715	-0.154	-0.142	7.312	-381.744	1
1021_1021	1021	1021	-116.289	-6.143	-0.588	0.049	12.965	-510.266	1
1021_1022	1021	1022	-3.412	-12.189	-0.245	-0.096	7.129	-290.017	1
1022_1022	1022	1022	-119.126	-8.577	-0.558	0.022	7.738	-555.532	1
1022_1023	1022	1023	12.97	-3.493	-0.393	-0.087	7.932	-252.811	1
1023_1023	1023	1023	-121.197	-10.69	-0.094	-0.049	2.902	-595.504	1
1023_1024	1023	1024	13.328	-2.15	-0.2	-0.092	6.642	-238.267	1
1024_1024	1024	1024	-122.716	-13.611	-0.082	-0.009	1.74	-630.346	1
1024_1025	1024	1025	13.648	-1.775	-0.199	-0.089	5.099	-228.509	1
1025_1025	1025	1025	-123.213	-16.819	-0.064	-0.048	0.762	-655.484	1
1025_1026	1025	1026	12.177	-1.223	-0.204	-0.111	3.52	-221.14	1
1026_1026	1026	1026	-123.057	-18.487	-0.028	-0.022	0.046	-671.772	1
1026_1027	1026	1027	12.769	-1.088	-0.147	-0.084	2.636	-216.981	1
1027_1027	1027	1027	-122.988	-21.134	-0.015	-0.114	-0.215	-681.806	1
1027_1028	1027	1028	11.916	-0.895	-0.16	-0.12	1.704	-213.459	1
1028_1028	1028	1028	-122.325	-23.927	-0.01	-0.074	-0.369	-685.072	1
1028_1029	1028	1029	11.866	-0.835	-0.158	-0.115	0.766	-210.086	1
1029_1029	1029	1029	-120.353	-12.419	0.019	0.05	-0.477	-678.602	1
1029_1030	1029	1030	11.096	-0.71	-0.158	-0.117	-0.158	-207.253	1
1030_1030	1030	1030	-119.684	-13.253	0.05	-0.045	-0.329	-668.639	1
1030_1031	1030	1031	11.416	-0.444	-0.207	-0.139	-1.814	-204.991	1
1031_1031	1031	1031	-118.754	-16.759	0.062	-0.013	0.234	-651.867	1
1031_1032	1031	1032	10.138	-0.33	-0.204	-0.137	-3.362	-203.064	1
1032_1032	1032	1032	-117.098	-19.996	0.073	0.034	1.021	-625.978	1
1032_1033	1032	1033	29.772	5.296	0.174	0.122	5.307	-220.811	1
1033_1033	1033	1033	-114.308	-22.445	0.535	0.029	1.995	-589.765	1
1033_1034	1033	1034	8.872	12.149	0.291	0.225	6.047	-266.044	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1034_1034	1034	1034	-110.834	-25.203	0.569	0.018	6.749	-547.167	1
1034_1035	1034	1035	-12.105	17.4	0.155	0.229	5.214	-340.629	1
1035_1035	1035	1035	-104.806	-27.808	0.84	-0.416	15.472	-506.575	1
1035_1036	1035	1036	-32.187	23.07	-0.016	-0.073	2.936	-486.82	1
1036_1036	1036	1036	-24.57	-6.496	-0.05	-0.094	0.489	-319.877	1
1036_1037	1036	1037	-44.326	-9.073	-0.084	0.451	5.996	-862.516	1
1037_1037	1037	1037	-18.986	2.287	-0.128	0.168	3.461	-466.141	1
1037_1038	1037	1038	-52.667	-8.275	-0.087	0.187	4.932	-765.152	1
1038_1038	1038	1038	-41.319	-0.466	0.14	0.184	1.023	-632.986	1
1038_1039	1038	1039	-58.531	-7.867	0.065	0.246	5.786	-672.963	1
1039_1039	1039	1039	-70.597	-3.634	0.168	0.136	2.557	-777.765	1
1039_1040	1039	1040	-59.501	-7.381	0.062	0.05	6.524	-599.31	1
1040_1040	1040	1040	-93.808	-5.576	0.045	0.128	4.509	-892.759	1
1040_1041	1040	1041	-56.078	-7.231	-0.036	0.058	6.223	-557.582	1
1041_1041	1041	1041	-121.332	-9.291	0.025	0.082	2.371	-899.527	1
1041_1042	1041	1042	-53.612	-7.086	-0.018	0.003	2.688	-443.729	1
1042_1042	1042	1042	-139.392	-11.073	0.004	0.041	2.934	-1023.442	1
1042_1043	1042	1043	-45.578	-6.93	-0.005	-0.008	2.629	-392.849	1
1043_1043	1043	1043	-151.74	0.771	0.004	0.133	3.161	-1104.231	1
1043_1044	1043	1044	-37.545	-6.93	-0.006	-0.037	2.552	-341.965	1
1044_1044	1044	1044	-161.044	-0.664	-0.002	0.085	3.213	-1159.795	1
1044_1045	1044	1045	-29.607	-6.85	-0.011	-0.036	2.42	-291.678	1
1045_1045	1045	1045	-168.803	-5.583	-0.003	0.058	3.198	-1204.235	1
1045_1046	1045	1046	-35.739	7.087	0.021	0.057	2.472	-255.132	1
1046_1046	1046	1046	-170.801	-6.899	0.004	-0.002	3.155	-1211.219	1
1046_1047	1046	1047	-43.815	7.131	0.018	0.057	2.676	-307.465	1
1047_1047	1047	1047	-169.639	-27.609	0	-0.139	3.191	-1209.325	1
1047_1048	1047	1048	-52.079	7.131	0.017	0.036	2.882	-359.81	1
1048_1048	1048	1048	-164.373	-29.028	0	-0.151	3.217	-1170.272	1
1048_1049	1048	1049	-60.442	7.21	0.014	0.052	3.056	-412.782	1
1049_1049	1049	1049	-157.539	-33.891	-0.004	-0.248	3.227	-1120.471	1
1049_1050	1049	1050	-68.795	7.21	0.014	-0.008	3.22	-465.697	1
1050_1050	1050	1050	-148.849	-19.423	-0.027	-0.127	3.046	-1041.012	1
1050_1051	1050	1051	-80.333	7.317	0.017	0.018	3.495	-538.787	1
1051_1051	1051	1051	-125.215	-25.514	-0.026	-0.255	2.911	-954.321	1
1051_1052	1051	1052	-80.075	7.195	0.018	-0.113	4.146	-598.425	1
1052_1052	1052	1052	-111.523	-26.79	-0.108	-0.2	2.673	-878.392	1
1052_1053	1052	1053	-79.863	6.95	-0.017	-0.02	3.951	-662.855	1
1053_1053	1053	1053	-76.787	-30.501	-0.133	-0.484	2.064	-818.272	1
1053_1054	1053	1054	-65.784	7.223	-0.025	-0.368	5	-790.122	1
1054_1054	1054	1054	-47.929	-33.986	0.2	-0.311	0.905	-663.855	1
1054_1055	1054	1055	-57.139	7.194	0.096	-0.229	6.175	-877.672	1
1055_1055	1055	1055	-24.221	-37.447	0.131	-0.392	3.167	-491.975	1
1055_1056	1055	1056	-48.099	7.524	0.096	-0.609	7.312	-971.728	1
1056_1056	1056	1056	-110.15	-4.232	-0.535	-0.046	16.5	-488.133	1
1056_1057	1056	1057	-4.137	-14.376	-0.162	-0.227	6.356	-356.403	1
1057_1057	1057	1057	-115.446	-6.916	-0.464	0.018	9.584	-562.804	1
1057_1058	1057	1058	15.05	-6.421	-0.275	-0.197	7.338	-296.064	1
1058_1058	1058	1058	-119.426	-9.437	-0.45	0.105	5.497	-617.7	1
1058_1059	1058	1059	17.216	-3.371	-0.29	-0.171	5.883	-273.618	1
1059_1059	1059	1059	-122.336	-11.504	-0.062	-0.007	1.645	-664.871	1
1059_1060	1059	1060	16.509	-2.348	-0.142	-0.178	4.89	-258.858	1
1060_1060	1060	1060	-124.602	-14.462	-0.049	-0.069	0.865	-705.607	1
1060_1061	1060	1061	15.949	-1.912	-0.148	-0.229	3.749	-247.58	1
1061_1061	1061	1061	-125.703	-17.67	-0.036	-0.164	0.249	-734.72	1
1061_1062	1061	1062	15.177	-1.593	-0.153	-0.286	2.55	-238.347	1
1062_1062	1062	1062	-126.015	-19.305	-0.021	-0.013	-0.184	-753.404	1
1062_1063	1062	1063	14.573	-1.284	-0.113	-0.197	1.896	-232.839	1
1063_1063	1063	1063	-126.199	-21.919	-0.011	-0.171	-0.365	-764.535	1
1063_1064	1063	1064	12.882	0.996	0.122	0.266	0.742	-235.095	1
1064_1064	1064	1064	-124.922	-9.885	0.009	0.105	-0.518	-768.221	1
1064_1065	1064	1065	14.63	1.194	0.122	0.268	1.431	-239.388	1
1065_1065	1065	1065	-124.826	-12.612	0.019	-0.077	-0.431	-763.685	1
1065_1066	1065	1066	14.03	1.194	0.112	0.191	2.103	-244.154	1
1066_1066	1066	1066	-124.121	-13.347	0.032	0.016	-0.263	-751.65	1
1066_1067	1066	1067	15.448	1.65	0.151	0.268	3.265	-252.741	1
1067_1067	1067	1067	-123.182	-16.808	0.046	-0.073	0.17	-732.109	1
1067_1068	1067	1068	18.155	2.318	0.145	0.219	4.339	-263.503	1
1068_1068	1068	1068	-121.542	-20	0.052	0.026	0.78	-702.457	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1068_1069	1068	1069	19.364	3.16	0.145	0.235	5.373	-277.946	1
1069_1069	1069	1069	-118.816	-22.24	0.437	-0.189	1.5	-661.856	1
1069_1070	1069	1070	18.633	6.299	0.286	0.197	6.945	-300.851	1
1070_1070	1070	1070	-115.549	-24.97	0.457	-0.107	5.379	-614.999	1
1070_1071	1070	1071	-1.705	14.491	0.153	0.272	5.376	-361.448	1
1071_1071	1071	1071	-111.155	-27.479	0.548	-0.052	10.947	-559.956	1
1071_1072	1071	1072	-24.53	21.078	0.041	0.292	3.327	-481.962	1
1072_1072	1072	1072	-5.947	5.115	-0.069	0.257	3.812	-292.616	1
1072_1073	1072	1073	-54.675	-7.324	-0.093	0.599	5.825	-897.24	1
1073_1073	1073	1073	-22.914	2.453	-0.134	0.209	3.237	-496.504	1
1073_1074	1073	1074	-63.657	-6.904	-0.094	0.231	4.667	-810.158	1
1074_1074	1074	1074	-45.909	-0.29	0.106	0.311	0.912	-674.742	1
1074_1075	1074	1075	-70.41	-6.851	0.036	0.383	5.127	-725.181	1
1075_1075	1075	1075	-84.808	-3.447	0.096	0.103	1.536	-788.07	1
1075_1076	1075	1076	-79.616	-6.543	0.025	0.022	4.087	-620.26	1
1076_1076	1076	1076	-111.383	-5.346	0.027	0.174	2.717	-908.629	1
1076_1077	1076	1077	-76.417	-6.689	-0.01	0.108	4	-582.157	1
1077_1077	1077	1077	-116.398	-8.619	0.036	0.095	4.221	-1011.503	1
1077_1078	1077	1078	-61.838	-6.843	-0.016	-0.043	5.384	-526.158	1
1078_1078	1078	1078	-134.394	6.238	-0.013	0.385	5.158	-1161.698	1
1078_1079	1078	1079	-55.362	-6.788	-0.019	0.017	5.171	-477.582	1
1079_1079	1079	1079	-147.974	1.8	-0.021	0.293	5.049	-1263.143	1
1079_1080	1079	1080	-49.461	-6.769	-0.021	-0.064	4.981	-428.96	1
1080_1080	1080	1080	-157.265	0.74	-0.006	0.259	4.783	-1331.317	1
1080_1081	1080	1081	-43.053	-6.712	-0.028	-0.047	4.667	-380.892	1
1081_1081	1081	1081	-165.32	-3.73	-0.012	0.155	4.716	-1389.337	1
1081_1082	1081	1082	-36.644	-6.712	-0.029	-0.109	4.341	-332.817	1
1082_1082	1082	1082	-168.746	-4.54	0.003	0.193	4.546	-1412.053	1
1082_1083	1082	1083	-29.811	-6.659	-0.029	-0.075	3.995	-281.567	1
1083_1083	1083	1083	-170.14	-25.71	-0.003	-0.343	4.616	-1425.536	1
1083_1084	1083	1084	-40.14	6.094	0.034	0.061	4.184	-326.203	1
1084_1084	1084	1084	-167.91	-26.836	0.023	-0.189	4.518	-1405.591	1
1084_1085	1084	1085	-46.007	6.144	0.034	0.125	4.567	-370.208	1
1085_1085	1085	1085	-164.642	-31.255	0.013	-0.508	4.739	-1377.603	1
1085_1086	1085	1086	-51.679	6.151	0.033	0.004	4.92	-414.233	1
1086_1086	1086	1086	-156.733	-32.193	0.021	-0.32	4.821	-1314.361	1
1086_1087	1086	1087	-57.641	6.243	0.027	0.096	5.224	-458.947	1
1087_1087	1087	1087	-147.841	-36.602	0.009	-0.595	4.993	-1243.296	1
1087_1088	1087	1088	-63.6	6.243	0.026	-0.054	5.517	-503.653	1
1088_1088	1088	1088	-134.687	-38.273	-0.013	-0.582	4.978	-1139.611	1
1088_1089	1088	1089	-71.092	6.313	0.035	-0.026	5.991	-560.882	1
1089_1089	1089	1089	-117.147	-26.449	-0.008	-0.228	3.915	-1044.792	1
1089_1090	1089	1090	-72.594	6.183	0.031	-0.079	5.567	-623.692	1
1090_1090	1090	1090	-102.981	-27.629	-0.14	-0.368	3.748	-952.813	1
1090_1091	1090	1091	-71.314	5.928	-0.027	-0.06	5.22	-681.652	1
1091_1091	1091	1091	-75.777	-31.224	-0.157	-0.405	2.763	-831.942	1
1091_1092	1091	1092	-63.149	6.019	-0.035	-0.316	6.109	-765.037	1
1092_1092	1092	1092	-45.725	-34.483	0.253	-0.252	1.294	-661.28	1
1092_1093	1092	1093	-54.482	5.961	0.127	-0.165	7.717	-841.245	1
1093_1093	1093	1093	-21.783	-37.865	0.174	-0.411	4.136	-478.636	1
1093_1094	1093	1094	-77.573	33.681	-0.323	0.786	-9.236	-988.873	1
1094_1094	1094	1094	-110.02	-4.194	-0.606	-0.014	18.627	-488.76	1
1094_1095	1094	1095	-4.428	-14.208	-0.179	-0.186	7.219	-353.282	1
1095_1095	1095	1095	-112.097	-6.924	-0.661	0.107	13.512	-576.29	1
1095_1096	1095	1096	14.142	-6.701	-0.37	-0.153	10.36	-297.884	1
1096_1096	1096	1096	-115.645	-9.491	-0.619	-0.116	7.691	-633.406	1
1096_1097	1096	1097	15.767	-3.431	-0.421	-0.274	8.396	-273.274	1
1097_1097	1097	1097	-118.096	-11.569	-0.086	-0.058	2.378	-682.119	1
1097_1098	1097	1098	15.163	-2.442	-0.234	-0.207	6.763	-257.975	1
1098_1098	1098	1098	-119.956	-14.588	-0.066	-0.149	1.297	-724.284	1
1098_1099	1098	1099	13.495	-1.762	-0.243	-0.26	4.927	-246.964	1
1099_1099	1099	1099	-120.669	-17.882	-0.055	-0.065	0.468	-753.988	1
1099_1100	1099	1100	16.561	0.535	0.214	0.327	-0.711	-239.989	1
1100_1100	1100	1100	-120.592	-19.194	0.006	-0.907	-0.146	-772.321	1
1100_1101	1100	1101	17.133	1.018	0.145	0.006	0.115	-244.065	1
1101_1101	1101	1101	-120.616	-21.815	0.011	-0.937	-0.168	-784.178	1
1101_1102	1101	1102	17.406	1.083	0.145	0.01	0.952	-248.261	1
1102_1102	1102	1102	-118.851	-9.798	-0.017	1.101	-0.065	-789.884	1
1102_1103	1102	1103	17.843	1.166	0.251	0.595	2.415	-253.031	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1103_1103	1103	1103	-118.83	-12.554	-0.002	0.79	-0.074	-786.874	1
1103_1104	1103	1104	19.476	1.396	0.239	0.516	3.775	-258.28	1
1104_1104	1104	1104	-118.188	-12.908	0.039	0.056	0.045	-775.654	1
1104_1105	1104	1105	19.927	1.889	0.243	0.299	5.67	-268.045	1
1105_1105	1105	1105	-117.518	-16.479	0.06	-0.055	0.69	-758.606	1
1105_1106	1105	1106	21.561	2.402	0.233	0.238	7.441	-279.644	1
1106_1106	1106	1106	-116.054	-19.782	0.071	0.033	1.617	-729.785	1
1106_1107	1106	1107	23.215	3.405	0.233	0.25	9.069	-294.362	1
1107_1107	1107	1107	-113.467	-22.073	0.604	-0.166	2.734	-688.45	1
1107_1108	1107	1108	22.442	5.536	0.401	0.214	11.465	-315.714	1
1108_1108	1108	1108	-110.268	-24.904	0.634	-0.085	8.222	-640.007	1
1108_1109	1108	1109	2.991	13.928	0.22	0.285	8.713	-368.743	1
1109_1109	1109	1109	-108.841	-27.428	0.603	-0.067	12.801	-569.368	1
1109_1110	1109	1110	-21.398	20.614	0.045	0.251	4.333	-473.444	1
1110_1110	1110	1110	-19.416	-1.939	-0.029	0.232	3.525	-338.481	1
1110_1111	1110	1111	-52.037	-8.127	-0.136	0.696	8.311	-910.871	1
1111_1111	1111	1111	-21.668	1.871	-0.188	0.146	4.831	-509.131	1
1111_1112	1111	1112	-60.829	-7.59	-0.138	0.136	6.685	-817.709	1
1112_1112	1112	1112	-43.549	-0.923	0.109	0.287	1.915	-682.207	1
1112_1113	1112	1113	-66.984	-7.513	0.022	0.372	6.948	-726.641	1
1113_1113	1113	1113	-73.051	-4.321	0.105	0.155	2.561	-827.544	1
1113_1114	1113	1114	-68.887	-7.273	0.016	0.001	5.71	-648.228	1
1114_1114	1114	1114	-95.189	-6.305	0.019	0.405	3.871	-944.307	1
1114_1115	1114	1115	-65.472	-7.428	-0.031	0.244	5.448	-604.498	1
1115_1115	1115	1115	-120.632	-9.454	0.012	0.029	3.429	-924.497	1
1115_1116	1115	1116	-63.588	-7.406	-0.029	-0.049	4.151	-478.69	1
1116_1116	1116	1116	-135.374	-11.456	-0.014	0.07	3.735	-1033.439	1
1116_1117	1116	1117	-56.023	-7.297	-0.025	-0.001	3.871	-429.021	1
1117_1117	1117	1117	-144.517	0.568	-0.027	0.183	3.671	-1108.259	1
1117_1118	1117	1118	-48.458	-7.297	-0.026	-0.051	3.579	-379.352	1
1118_1118	1118	1118	-151.937	-0.333	-0.018	0.214	3.32	-1158.649	1
1118_1119	1118	1119	-40.968	-7.219	-0.029	-0.022	3.249	-330.17	1
1119_1119	1119	1119	-158.408	-4.972	-0.025	0.024	3.089	-1201.875	1
1119_1120	1119	1120	-33.484	-7.219	-0.031	-0.098	2.896	-281.033	1
1120_1120	1120	1120	-160.414	-21.663	-0.012	-0.122	2.827	-1214.175	1
1120_1121	1120	1121	-25.488	-7.172	-0.03	-0.074	2.536	-228.532	1
1121_1121	1121	1121	-161.248	-26.501	-0.018	-0.165	2.624	-1220.49	1
1121_1122	1121	1122	-20.147	4.242	0.008	0.043	1.837	-191.148	1
1122_1122	1122	1122	-156.334	-27.614	-0.003	-0.217	2.341	-1188.18	1
1122_1123	1122	1123	-24.596	4.287	0.01	0.048	1.949	-220.354	1
1123_1123	1123	1123	-150.643	-32.173	-0.008	-0.266	2.272	-1150.033	1
1123_1124	1123	1124	-29.04	4.287	0.009	0.022	2.049	-249.534	1
1124_1124	1124	1124	-139.999	-33.088	0.007	-0.246	2.141	-1078.693	1
1124_1125	1124	1125	-33.576	4.372	0.007	0.045	2.129	-279.316	1
1125_1125	1125	1125	-128.519	-37.631	-0.001	-0.386	2.196	-1001.066	1
1125_1126	1125	1126	-38.108	4.372	0.005	-0.02	2.187	-309.071	1
1126_1126	1126	1126	-114.675	-22.516	-0.05	-0.184	2.05	-894.628	1
1126_1127	1126	1127	-43.706	4.49	0.001	0.011	2.175	-346.947	1
1127_1127	1127	1127	-101.039	-27.39	-0.045	-0.143	1.213	-782.789	1
1127_1128	1127	1128	-47.544	4.465	0	-0.046	1.949	-376.515	1
1128_1128	1128	1128	-86.239	-28.065	-0.11	-0.128	0.857	-700.854	1
1128_1129	1128	1129	-47.317	4.55	-0.021	-0.001	1.697	-417.745	1
1129_1129	1129	1129	-53.429	-31.499	-0.125	-0.366	-0.299	-634.92	1
1129_1130	1129	1130	-86.703	26.672	0.115	0.459	1.597	-618.206	1
1130_1130	1130	1130	-27.67	-34.499	0.23	-0.205	-1.258	-484.043	1
1130_1131	1130	1131	-95.437	30.246	-0.19	0.548	-0.449	-879.452	1
1131_1131	1131	1131	-7.826	-37.778	0.181	-0.227	1.747	-324.648	1
1131_1132	1131	1132	-100.221	34.751	-0.231	0.57	-3.582	-1194.075	1
1132_1132	1132	1132	-99.059	-2.111	-0.4	-0.443	11.501	-361.363	1
1132_1133	1132	1133	7.993	-2.699	0.148	0.005	-4.254	-298.157	1
1133_1133	1133	1133	-106.943	-5.1	-0.372	-0.185	6.709	-439.68	1
1133_1134	1133	1134	6.089	-2.688	0.141	0.022	-2.765	-266.342	1
1134_1134	1134	1134	-112.194	-7.923	-0.446	0.735	3.556	-500.364	1
1134_1135	1134	1135	7.966	-2.688	0.227	0.518	-1.008	-253.051	1
1135_1135	1135	1135	-116.572	-9.387	-0.002	-0.055	-0.086	-554.417	1
1135_1136	1135	1136	10.826	-1.971	0.067	0.139	-0.531	-242.834	1
1136_1136	1136	1136	-120.558	-12.638	-0.005	0.068	-0.211	-605.271	1
1136_1137	1136	1137	13.274	-1.927	0.075	0.178	0.032	-232.82	1
1137_1137	1137	1137	-122.893	-16.165	0.003	0.016	-0.309	-642.683	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1137_1138	1137	1138	14.677	-1.927	0.067	0.142	0.572	-223.01	1
1138_1138	1138	1138	-120.033	-4.123	0.006	0.072	-0.287	-671.074	1
1138_1139	1138	1139	16.313	-1.596	0.065	0.118	0.944	-216.757	1
1139_1139	1139	1139	-122.392	-7.233	0.013	-0.038	-0.22	-690.747	1
1139_1140	1139	1140	18.123	-1.534	0.055	0.074	1.254	-210.884	1
1140_1140	1140	1140	-123.297	-10.327	0.013	-0.005	-0.103	-698.37	1
1140_1141	1140	1141	20.2	-1.43	0.055	0.076	1.559	-205.149	1
1141_1141	1141	1141	-122.715	-13.352	0.009	0.164	0.024	-693.78	1
1141_1142	1141	1142	21.864	-1.347	0.065	0.119	1.933	-199.895	1
1142_1142	1142	1142	-121.255	-14.028	0.01	-0.098	0.127	-680.782	1
1142_1143	1142	1143	25.204	-0.844	0.074	0.063	2.466	-194.754	1
1143_1143	1143	1143	-119.094	-17.848	0.015	-0.058	0.332	-659.015	1
1143_1144	1143	1144	-3.719	2.36	-0.067	-0.117	1.482	-193.033	1
1144_1144	1144	1144	-115.716	-21.378	0.014	0.075	0.606	-624.993	1
1144_1145	1144	1145	-6.788	2.416	-0.062	-0.085	-1.921	-205.223	1
1145_1145	1145	1145	-110.831	-23.729	0.318	-0.144	0.897	-577.914	1
1145_1146	1145	1146	11.635	11.57	0.082	0.118	2.62	-227.176	1
1146_1146	1146	1146	-105.156	-26.76	0.33	-0.102	3.65	-524.263	1
1146_1147	1146	1147	-7.255	17.418	0.018	0.162	1.676	-297.676	1
1147_1147	1147	1147	-96.552	-29.629	0.36	-0.046	6.931	-470.198	1
1147_1148	1147	1148	-28.187	24.32	-0.057	0.257	-0.506	-442.66	1
1148_1148	1148	1148	-11.783	-2.757	-0.009	0.1	1.429	-272.597	1
1148_1149	1148	1149	-33.403	-10.275	-0.055	0.347	3.479	-748.901	1
1149_1149	1149	1149	-9.271	0.857	-0.096	0.095	1.897	-406.502	1
1149_1150	1149	1150	-39.127	-9.359	-0.058	0.093	2.769	-647.647	1
1150_1150	1150	1150	-27.632	-1.826	0.071	0.145	0.059	-553.667	1
1150_1151	1150	1151	-42.479	-8.535	0.009	0.182	2.922	-554.233	1
1151_1151	1151	1151	-60.116	-5.01	0.074	0.07	0.534	-633.708	1
1151_1152	1151	1152	-48.024	-7.726	0.006	0.012	2.446	-447.607	1
1152_1152	1152	1152	-80.312	-6.744	0.03	0.051	1.311	-722.433	1
1152_1153	1152	1153	-43.655	-7.375	-0.01	0.017	2.36	-407.835	1
1153_1153	1153	1153	-98.062	-9.474	0.029	0.04	1.315	-752.508	1
1153_1154	1153	1154	-37.199	-7.217	-0.009	-0.01	1.884	-331.146	1
1154_1154	1154	1154	-109.659	-11.849	-0.003	0.012	1.754	-836.229	1
1154_1155	1154	1155	-29.375	-7.029	-0.012	-0.011	1.754	-285.104	1
1155_1155	1155	1155	-118.217	-16.188	-0.007	-0.006	1.748	-895.966	1
1155_1156	1155	1156	-21.551	-7.029	-0.014	-0.029	1.605	-239.059	1
1156_1156	1156	1156	-123.338	-17.568	-0.002	-0.024	1.683	-932.421	1
1156_1157	1156	1157	-14.525	-6.93	-0.013	-0.024	1.472	-197.712	1
1157_1157	1157	1157	-127.037	-21.789	-0.006	-0.052	1.68	-958.118	1
1157_1158	1157	1158	-7.669	-6.928	-0.015	-0.038	1.325	-156.412	1
1158_1158	1158	1158	-126.95	-22.786	0.003	-0.067	1.634	-959.52	1
1158_1159	1158	1159	-14.441	6.087	0.012	0.033	1.437	-178.69	1
1159_1159	1159	1159	-126.202	-27.143	-0.001	-0.095	1.687	-955.378	1
1159_1160	1159	1160	-20.606	6.087	0.011	0.021	1.545	-214.974	1
1160_1160	1160	1160	-123.35	-13.082	0.007	-0.06	1.721	-927.631	1
1160_1161	1160	1161	-27.461	6.197	0.013	0.018	1.683	-255.57	1
1161_1161	1161	1161	-118.09	-17.761	0.008	-0.02	1.804	-889.016	1
1161_1162	1161	1162	-34.358	6.197	0.013	0.018	1.823	-296.165	1
1162_1162	1162	1162	-109.326	-19.316	-0.044	-0.096	1.861	-827.15	1
1162_1163	1162	1163	-43.19	6.354	0.003	0.003	1.866	-348.153	1
1163_1163	1163	1163	-91.585	-24.577	-0.04	-0.067	1.429	-766.082	1
1163_1164	1163	1164	-44.406	6.468	0.004	-0.008	2.071	-395.513	1
1164_1164	1164	1164	-79.807	-25.381	-0.081	-0.148	1.158	-700.926	1
1164_1165	1164	1165	-46.108	6.793	-0.01	-0.024	1.952	-453.007	1
1165_1165	1165	1165	-52.768	-28.831	-0.08	-0.179	0.471	-639.227	1
1165_1166	1165	1166	-38.836	7.509	-0.012	-0.105	1.993	-555.115	1
1166_1166	1166	1166	-27.52	-32.141	0.125	-0.154	-0.033	-510.075	1
1166_1167	1166	1167	-101.212	25.926	-0.152	0.372	-1.221	-692.987	1
1167_1167	1167	1167	-7.252	-35.641	0.078	-0.183	1.524	-365.401	1
1167_1168	1167	1168	-107.006	31.016	-0.185	0.449	-3.681	-964.271	1
1168_1168	1168	1168	-91.699	-1.73	-0.31	-0.025	9.018	-366.157	1
1168_1169	1168	1169	-10.026	-18.686	0	-0.175	1.101	-303.317	1
1169_1169	1169	1169	-101.542	-4.583	-0.249	0.068	4.75	-442.77	1
1169_1170	1169	1170	4.324	-13.762	-0.039	-0.118	1.474	-214.247	1
1170_1170	1170	1170	-108.686	-7.287	-0.244	0.109	2.635	-502.843	1
1170_1171	1170	1171	-8.153	-2.444	0.113	0.121	-1.187	-202.238	1
1171_1171	1171	1171	-114.606	-9.532	-0.023	-0.071	0.602	-555.132	1
1171_1172	1171	1172	-5.076	-2.14	0.054	0.087	-0.807	-191.462	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1172_1172	1172	1172	-119.613	-12.721	-0.024	0.047	0.313	-600.677	1
1172_1173	1172	1173	-3.435	-2.139	0.057	0.114	-0.356	-180.861	1
1173_1173	1173	1173	-123.031	-16.194	-0.017	-0.004	0.051	-634.025	1
1173_1174	1173	1174	0.689	-1.977	0.055	0.094	0.038	-170.31	1
1174_1174	1174	1174	-125.197	-17.915	-0.001	-0.131	-0.121	-655.958	1
1174_1175	1174	1175	1.672	-1.687	0.039	0.055	0.273	-164.033	1
1175_1175	1175	1175	-126.602	-20.753	-0.004	0.012	-0.135	-669.091	1
1175_1176	1175	1176	12.948	1.12	-0.032	-0.046	0.535	-163.313	1
1176_1176	1176	1176	-127.094	-23.738	0	-0.083	-0.167	-674.278	1
1176_1177	1176	1177	12.183	1.129	-0.038	-0.076	0.307	-167.482	1
1177_1177	1177	1177	-126.028	-26.787	0	-0.053	-0.171	-667.733	1
1177_1178	1177	1178	11.539	1.129	-0.038	-0.076	0.077	-171.684	1
1178_1178	1178	1178	-127.298	-14.001	0.015	-0.01	-0.105	-653.747	1
1178_1179	1178	1179	8.069	1.55	-0.05	-0.085	-0.284	-179.299	1
1179_1179	1179	1179	-125.838	-17.759	0.022	-0.059	0.08	-631.263	1
1179_1180	1179	1180	6.891	1.55	-0.054	-0.111	-0.716	-186.989	1
1180_1180	1180	1180	-123.11	-21.223	0.025	-0.016	0.355	-597.429	1
1180_1181	1180	1181	5.579	1.555	-0.054	-0.111	-1.143	-194.694	1
1181_1181	1181	1181	-118.824	-23.678	0.232	-0.155	0.68	-551.551	1
1181_1182	1181	1182	-0.436	13.782	0.037	0.11	1.444	-209.987	1
1182_1182	1182	1182	-113.634	-26.631	0.24	-0.118	2.681	-499.245	1
1182_1183	1182	1183	-16.841	19.203	-0.004	0.15	0.748	-287.753	1
1183_1183	1183	1183	-106.916	-29.374	0.282	-0.01	5.505	-441.016	1
1183_1184	1183	1184	-36.698	24.602	-0.049	0.232	-0.625	-430.12	1
1184_1184	1184	1184	-29.217	-5.827	-0.015	-0.07	0.582	-298.372	1
1184_1185	1184	1185	-90.907	-27.264	0.139	-0.452	-0.798	-691.409	1
1185_1185	1185	1185	-13.689	2.486	-0.068	0.127	1.374	-338.172	1
1185_1186	1185	1186	-43.814	-6.363	-0.037	0.147	1.926	-518.15	1
1186_1186	1186	1186	-34.731	-0.302	0.06	0.081	-0.046	-492.854	1
1186_1187	1186	1187	-47.412	-6.001	0.012	0.108	2.079	-450.318	1
1187_1187	1187	1187	-66.943	-3.573	0.071	0.088	0.391	-606.398	1
1187_1188	1187	1188	-50.069	-5.673	0.01	0.028	1.99	-381.383	1
1188_1188	1188	1188	-90.546	-5.555	0.037	0.035	1.116	-711.085	1
1188_1189	1188	1189	-46.831	-5.57	-0.004	0.007	1.957	-351.326	1
1189_1189	1189	1189	-105.903	-8.415	0.041	0.075	1.308	-797.38	1
1189_1190	1189	1190	-40.232	-5.594	-0.004	0.002	1.795	-308.906	1
1190_1190	1190	1190	-121.199	-11.051	0.003	-0.04	1.925	-906.131	1
1190_1191	1190	1191	-34.313	-5.455	-0.009	-0.03	1.692	-271.693	1
1191_1191	1191	1191	-132.093	0.124	0.013	0.191	2.037	-991.573	1
1191_1192	1191	1192	-28.394	-5.455	-0.009	-0.011	1.598	-234.478	1
1192_1192	1192	1192	-140.161	-1.553	0.004	0.08	2.177	-1043.914	1
1192_1193	1192	1193	-23.053	-5.355	-0.009	-0.027	1.503	-200.901	1
1193_1193	1193	1193	-146.252	-5.993	0.003	0.053	2.228	-1082.317	1
1193_1194	1193	1194	-27.114	7.181	0.017	0.052	1.876	-219.259	1
1194_1194	1194	1194	-147.945	-7.154	0.015	-0.019	2.26	-1091.707	1
1194_1195	1194	1195	-34.39	7.294	0.02	0.047	2.078	-265.003	1
1195_1195	1195	1195	-148.577	-11.526	0.016	0.032	2.419	-1093.175	1
1195_1196	1195	1196	-41.216	7.31	0.02	0.048	2.263	-310.768	1
1196_1196	1196	1196	-145.331	-12.804	0.004	-0.129	2.57	-1068.688	1
1196_1197	1196	1197	-49.313	7.462	0.018	0.014	2.464	-361.683	1
1197_1197	1197	1197	-140.166	-17.378	0.007	-0.002	2.6	-1030.147	1
1197_1198	1197	1198	-57.2	7.469	0.019	0.04	2.662	-412.549	1
1198_1198	1198	1198	-131.484	-19.087	-0.048	-0.144	2.64	-967.43	1
1198_1199	1198	1199	-67.67	7.721	0.005	0.001	2.736	-478.401	1
1199_1199	1199	1199	-115.237	-24.384	-0.044	-0.114	2.135	-859.716	1
1199_1200	1199	1200	-70.077	7.64	0.006	-0.018	3	-509.787	1
1200_1200	1200	1200	-102.654	-25.762	-0.068	-0.224	1.797	-794.965	1
1200_1201	1200	1201	-71.497	7.644	-0.007	-0.056	2.92	-575.805	1
1201_1201	1201	1201	-69.535	-29.351	-0.092	-0.306	1.747	-752.781	1
1201_1202	1201	1202	-59.837	8.039	-0.01	-0.214	4.297	-706.695	1
1202_1202	1202	1202	-41.931	-32.799	0.171	-0.302	1.097	-615.445	1
1202_1203	1202	1203	-52.826	8.359	0.077	-0.263	5.267	-800.398	1
1203_1203	1203	1203	-19.027	-36.197	0.109	-0.308	3.019	-459.783	1
1203_1204	1203	1204	-44.51	8.911	0.078	-0.436	6.133	-902.698	1
1204_1204	1204	1204	-101.825	-3.603	-0.462	-0.092	14.787	-442.286	1
1204_1205	1204	1205	-9.687	-17.831	-0.084	-0.278	3.747	-350.539	1
1205_1205	1205	1205	-109.095	-6.267	-0.413	0.121	8.891	-519.419	1
1205_1206	1205	1206	6.462	-12.147	-0.158	-0.117	4.394	-267.213	1
1206_1206	1206	1206	-114.139	-8.771	-0.402	0.171	5.265	-571.31	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1206_1207	1206	1207	21.002	-4.32	-0.253	-0.05	4.561	-224.309	1
1207_1207	1207	1207	-118.267	-10.883	-0.08	-0.02	1.809	-616.557	1
1207_1208	1207	1208	20.722	-2.432	-0.133	-0.107	3.743	-207.638	1
1208_1208	1208	1208	-121.674	-13.858	-0.067	-0.058	0.914	-655.863	1
1208_1209	1208	1209	19.133	-1.635	-0.14	-0.127	2.677	-197.607	1
1209_1209	1209	1209	-123.829	-17.094	-0.059	-0.003	0.187	-684.209	1
1209_1210	1209	1210	15.956	-0.967	-0.136	-0.117	1.624	-191.004	1
1210_1210	1210	1210	-125.152	-18.846	-0.015	-0.065	-0.387	-702.935	1
1210_1211	1210	1211	15.738	-0.685	-0.091	-0.122	1.086	-188.118	1
1211_1211	1211	1211	-126.032	-21.505	-0.006	-0.165	-0.503	-714.065	1
1211_1212	1211	1212	14.231	-0.491	-0.099	-0.154	0.51	-186.036	1
1212_1212	1212	1212	-126.207	-24.295	-0.003	-0.128	-0.55	-717.94	1
1212_1213	1212	1213	12.156	-0.294	-0.098	-0.148	-0.048	-184.235	1
1213_1213	1213	1213	-127.59	-12.603	0.007	0.19	-0.397	-713.721	1
1213_1214	1213	1214	10.213	0.885	0.109	0.163	2.076	-187.088	1
1214_1214	1214	1214	-127.306	-13.58	0.056	-0.111	-0.284	-702.99	1
1214_1215	1214	1215	12.624	1.667	0.139	0.11	3.121	-193.593	1
1215_1215	1215	1215	-126.634	-17.079	0.061	0.039	0.357	-683.895	1
1215_1216	1215	1216	13.175	2.236	0.146	0.145	4.23	-203.314	1
1216_1216	1216	1216	-125.119	-20.314	0.074	-0.006	1.115	-655.341	1
1216_1217	1216	1217	13.984	4.563	0.132	0.136	4.96	-220.546	1
1217_1217	1217	1217	-122.385	-22.687	0.373	-0.191	2.043	-615.819	1
1217_1218	1217	1218	1.159	12.069	0.161	0.142	4.64	-263.876	1
1218_1218	1218	1218	-118.857	-25.453	0.39	-0.138	5.414	-570.089	1
1218_1219	1218	1219	-15.681	17.726	0.079	0.2	3.602	-337.886	1
1219_1219	1219	1219	-113.975	-28.006	0.417	-0.052	9.226	-505.122	1
1219_1220	1219	1220	-35.471	22.986	0.003	0.281	1.748	-466.471	1
1220_1220	1220	1220	-32.357	-6.316	-0.017	-0.063	-0.811	-307.596	1
1220_1221	1220	1221	-55.357	-6.405	-0.105	0.757	4.726	-759.715	1
1221_1221	1221	1221	-24.273	2.894	-0.119	0.096	2.613	-434.13	1
1221_1222	1221	1222	-63.586	-6.078	-0.108	0.022	3.507	-683.379	1
1222_1222	1222	1222	-47.568	-0.07	0.082	0.343	0.443	-599.471	1
1222_1223	1222	1223	-69.141	-6.437	0.024	0.391	3.835	-605.993	1
1223_1223	1223	1223	-85.458	-3.097	0.063	0.027	0.788	-699.306	1
1223_1224	1223	1224	-75.745	-6.338	0.014	-0.046	2.696	-509.731	1
1224_1224	1224	1224	-111.608	-5.759	0.034	0.251	1.477	-809.58	1
1224_1225	1224	1225	-71.833	-6.894	-0.011	0.138	2.6	-472.642	1
1225_1225	1225	1225	-118.112	-9.81	0.036	-0.017	1.929	-940.724	1
1225_1226	1225	1226	-57.323	-7.093	-0.014	-0.089	2.626	-428.142	1
1226_1226	1226	1226	-133.331	4.218	0	0.545	2.777	-1081.25	1
1226_1227	1226	1227	-49.272	-7.14	-0.014	0.075	2.448	-372.141	1
1227_1227	1227	1227	-145.197	-0.765	-0.011	-0.075	2.806	-1170.127	1
1227_1228	1227	1228	-41.311	-7.136	-0.017	-0.165	2.248	-316.251	1
1228_1228	1228	1228	-151.476	-3.377	0.008	0.291	2.662	-1218.098	1
1228_1229	1228	1229	-28.884	8.281	0.018	0.207	2.157	-272.743	1
1229_1229	1229	1229	-154.8	-8.387	0.001	-0.117	2.762	-1243.624	1
1229_1230	1229	1230	-37.818	8.302	0.014	0.09	2.321	-337.655	1
1230_1230	1230	1230	-152.864	-27.285	-0.023	-0.129	2.758	-1228.125	1
1230_1231	1230	1231	-47.218	8.37	-0.005	0.192	2.254	-403.083	1
1231_1231	1231	1231	-147.409	-32.241	-0.033	-0.502	2.471	-1192.41	1
1231_1232	1231	1232	-56.633	8.37	-0.009	0.018	2.144	-468.571	1
1232_1232	1232	1232	-138.049	-18.623	-0.07	0.067	1.892	-1120.464	1
1232_1233	1232	1233	-64.282	8.5	-0.017	0.217	1.974	-521.785	1
1233_1233	1233	1233	-129.709	-22.111	-0.077	-0.273	1.14	-1056.2	1
1233_1234	1233	1234	-73.186	8.5	-0.021	-0.004	1.736	-583.713	1
1234_1234	1234	1234	-115.828	-25.915	-0.133	-0.53	0.429	-968.947	1
1234_1235	1234	1235	-74.344	8.456	-0.042	-0.271	2.703	-605.766	1
1235_1235	1235	1235	-111.044	-26.237	0.161	-0.087	0.043	-939.406	1
1235_1236	1235	1236	-75.579	8.258	0.077	0.035	3.255	-650.154	1
1236_1236	1236	1236	-96.778	-28.375	0.149	-0.213	1.257	-880.3	1
1236_1237	1236	1237	-77.171	8.345	0.073	-0.093	3.923	-710.342	1
1237_1237	1237	1237	-62.649	-30.924	0.203	-0.836	4.162	-868.431	1
1237_1238	1237	1238	-62.285	8.726	0.105	-0.741	6.514	-819.362	1
1238_1238	1238	1238	-53.072	-28.75	-0.793	-0.316	5.117	-815.086	1
1238_1239	1238	1239	-57.522	10.124	-0.506	-0.027	1.046	-913.145	1
1239_1239	1239	1239	-34.577	-31.747	-0.812	-0.348	-3.641	-705.35	1
1239_1240	1239	1240	-51.383	10.489	-0.514	-0.498	-4.639	-1015.701	1
1240_1240	1240	1240	-19.256	-27.855	1.433	-2.49	-12.73	-571.063	1
1240_1241	1240	1241	-46.888	15.116	1.013	-2.35	7.162	-1169.881	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1241_1241	1241	1241	-119.707	-10.022	0.593	2.089	9.989	-648.773	1
1241_1242	1241	1242	6.55	-15.729	0.225	0.613	9.734	-449.546	1
1242_1242	1242	1242	-121.438	-12.772	0.555	1.95	14.355	-683.272	1
1242_1243	1242	1243	11.036	-14.796	0.223	0.58	10.705	-410.551	1
1243_1243	1243	1243	-121.39	-10.137	-0.757	0.093	15.903	-695.018	1
1243_1244	1243	1244	25.718	-7.419	-0.497	-0.197	10.841	-344.492	1
1244_1244	1244	1244	-124.206	-12.874	-0.721	-0.222	8.247	-742.436	1
1244_1245	1244	1245	27.039	-4.802	-0.56	-0.373	5.607	-301.049	1
1245_1245	1245	1245	-126.14	-15.538	-0.145	-0.011	0.122	-781.387	1
1245_1246	1245	1246	25.18	-3.263	-0.207	-0.282	3.72	-274.301	1
1246_1246	1246	1246	-127.271	-18.971	-0.113	-0.352	-1.685	-809.122	1
1246_1247	1246	1247	24.362	-2.712	-0.243	-0.438	1.339	-253.94	1
1247_1247	1247	1247	-127.811	-21.963	-0.001	-0.161	-3.065	-824.774	1
1247_1248	1247	1248	13.129	2.238	0.142	0.441	2.365	-257.642	1
1248_1248	1248	1248	-129.479	-9.531	-0.003	-0.002	-3.285	-829.075	1
1248_1249	1248	1249	13.233	2.602	0.123	0.357	3.607	-274.832	1
1249_1249	1249	1249	-130.869	-13.183	0.47	0.244	-3.163	-821.771	1
1249_1250	1249	1250	14.433	3.446	0.291	0.467	6.466	-295.888	1
1250_1250	1250	1250	-131.184	-17.084	0.504	-0.219	2.037	-799.298	1
1250_1251	1250	1251	14.547	4.601	0.247	0.262	8.567	-321.075	1
1251_1251	1251	1251	-130.719	-16.845	0.241	0.175	6.867	-767.44	1
1251_1252	1251	1252	12.232	7.511	0.416	0.452	11.824	-363.043	1
1252_1252	1252	1252	-131.865	-20.367	0.345	-0.121	10.092	-743.204	1
1252_1253	1252	1253	-3.942	14.511	0.316	0.311	10.926	-447.234	1
1253_1253	1253	1253	-131.222	-24.002	0.401	0.152	15.037	-692.177	1
1253_1254	1253	1254	-9.548	15.826	0.296	0.396	10.433	-479.861	1
1254_1254	1254	1254	-130.423	-20.946	-0.329	-3.554	16.778	-675.552	1
1254_1255	1254	1255	-21.528	19.008	-0.167	-0.625	7.01	-556.367	1
1255_1255	1255	1255	-14.045	0.049	-0.776	1.709	5.89	-429.889	1
1255_1256	1255	1256	-55.67	-10.753	-0.76	1.877	3.738	-1030.061	1
1256_1256	1256	1256	-22.935	-1.757	-0.877	1.578	-0.239	-536.209	1
1256_1257	1256	1257	-59.839	-10.546	-0.763	1.274	-1.723	-959.948	1
1257_1257	1257	1257	-32.185	1.158	0.126	0.166	-6.903	-621.004	1
1257_1258	1257	1258	-66.319	-7.993	0.043	0.587	-1.188	-880.362	1
1258_1258	1258	1258	-50.244	-0.936	0.081	0.068	-6.439	-757.405	1
1258_1259	1258	1259	-72.04	-7.827	0.044	0.092	-0.452	-789.6	1
1259_1259	1259	1259	-91.143	-3.293	0.349	0.14	-4.517	-819.509	1
1259_1260	1259	1260	-85.378	-7.945	0.192	0.165	1.732	-650.93	1
1260_1260	1260	1260	-114.035	-6.304	0.379	0.08	-1.139	-919.937	1
1260_1261	1260	1261	-80.509	-8.321	0.19	0.006	3.538	-596.879	1
1261_1261	1261	1261	-134.24	-9.275	0.303	0.125	1.876	-945.295	1
1261_1262	1261	1262	-80.827	-8.512	0.144	-0.045	3.134	-545.383	1
1262_1262	1262	1262	-137.895	-9.505	-0.005	0.234	2.864	-971.637	1
1262_1263	1262	1263	-71.666	-8.663	-0.022	0.093	2.886	-487.807	1
1263_1263	1263	1263	-149.57	-13.042	-0.013	-0.052	2.901	-1054.946	1
1263_1264	1263	1264	-61.876	-8.663	-0.025	-0.086	2.593	-426.063	1
1264_1264	1264	1264	-156.842	1.388	-0.007	0.321	2.901	-1124.819	1
1264_1265	1264	1265	-52.62	-8.545	-0.015	0.018	2.428	-366.935	1
1265_1265	1265	1265	-164.904	-3.053	-0.019	-0.035	2.829	-1181.187	1
1265_1266	1265	1266	-43.33	-8.545	-0.017	-0.121	2.231	-308.344	1
1266_1266	1266	1266	-168.207	-5.617	-0.02	0.139	2.597	-1206.243	1
1266_1267	1266	1267	-26.36	8.28	-0.003	0.15	1.83	-270.155	1
1267_1267	1267	1267	-169.773	-26.604	-0.022	-0.244	2.427	-1211.706	1
1267_1268	1267	1268	-35.274	8.28	-0.008	0.079	1.744	-326.375	1
1268_1268	1268	1268	-165.33	-29.388	-0.038	-0.12	2.06	-1187.991	1
1268_1269	1268	1269	-45.503	8.276	-0.011	0.145	1.599	-390.883	1
1269_1269	1269	1269	-156.49	-34.396	-0.053	-0.4	1.368	-1135.485	1
1269_1270	1269	1270	-54.478	8.276	-0.017	0.011	1.4	-447.488	1
1270_1270	1270	1270	-145.299	-20.776	0.234	-0.021	0.235	-1062.749	1
1270_1271	1270	1271	-61.558	8.158	0.091	0.125	2.234	-492.143	1
1271_1271	1271	1271	-135.281	-23.758	0.216	-0.217	2.242	-995.773	1
1271_1272	1271	1272	-70.175	8.158	0.086	-0.008	3.195	-546.506	1
1272_1272	1272	1272	-110.787	-27.232	0.261	-0.503	5.832	-982.258	1
1272_1273	1272	1273	-66.148	8.215	0.111	-0.222	4.813	-618.967	1
1273_1273	1273	1273	-104.35	-23.894	-0.092	-0.089	6.667	-940.43	1
1273_1274	1273	1274	-69.574	9.585	0.014	0.088	4.93	-673.359	1
1274_1274	1274	1274	-92.04	-26.421	-0.072	-0.257	5.596	-883.016	1
1274_1275	1274	1275	-69.988	9.69	0.009	-0.108	4.972	-731.992	1
1275_1275	1275	1275	-63.266	-28.675	-0.09	-1.08	7.482	-894.613	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1275_1276	1275	1276	-57.487	10.169	0	-0.875	7.626	-835.588	1
1276_1276	1276	1276	-55.536	-26.346	-1.43	-0.395	7.074	-853.969	1
1276_1277	1276	1277	-53.953	12.345	-1.16	0.057	-5.965	-957.205	1
1277_1277	1277	1277	-35.55	-29.739	-1.416	-0.313	-9.695	-745.379	1
1277_1278	1277	1278	-47.276	12.994	-1.175	-0.306	-21.066	-1100.3	1
1278_1278	1278	1278	-16.758	-26.786	2.379	-3.157	-26.749	-591.627	1
1278_1279	1278	1279	-43.806	18.583	2.217	-3.271	-0.103	-1249.555	1
1279_1279	1279	1279	-116.355	-10.575	1.194	1.919	-0.797	-680.7	1
1279_1280	1279	1280	10.348	-17.139	0.685	0.618	8.203	-463.016	1
1280_1280	1280	1280	-117.67	-13.093	1.041	1.648	9.176	-693.094	1
1280_1281	1280	1281	18.355	-15.463	0.706	0.622	12.18	-386.536	1
1281_1281	1281	1281	-109.074	-13.028	-1.113	0.141	26.897	-745.287	1
1281_1282	1281	1282	51.212	-9.33	-1.169	-0.113	15.322	-331.092	1
1282_1282	1282	1282	-109.32	-16.887	-0.939	-0.315	-11.737	-775.82	1
1282_1283	1282	1283	54.746	-6.679	-1.263	-0.338	0.048	-260.823	1
1283_1283	1283	1283	-108.309	-18.08	-0.009	-0.013	0.558	-784.779	1
1283_1284	1283	1284	12.294	2.626	0.061	0.461	2.195	-277.088	1
1284_1284	1284	1284	-109.918	-22.915	0.023	-0.512	0.544	-806.803	1
1284_1285	1284	1285	12.244	3.005	0.013	0.231	2.23	-299.501	1
1285_1285	1285	1285	-116.126	-8.758	0.081	0.33	0.428	-810.633	1
1285_1286	1285	1286	12.793	3.751	0.515	0.455	7.689	-372.852	1
1286_1286	1286	1286	-120.736	-13.382	0.201	-0.172	1.914	-816.561	1
1286_1287	1286	1287	12.693	4.792	0.491	0.214	12.694	-360.886	1
1287_1287	1287	1287	-123.923	-14.906	0.331	0.294	5.177	-801.083	1
1287_1288	1287	1288	10.444	7.407	0.348	0.517	16.806	-418.872	1
1288_1288	1288	1288	-129.383	-19.559	0.483	-0.254	11.943	-787.039	1
1288_1289	1288	1289	1.11	12.122	0.259	0.179	17.151	-494.811	1
1289_1289	1289	1289	-132.386	-21.09	-0.88	-1.024	19.978	-754.876	1
1289_1290	1289	1290	-5.856	14.572	-0.47	-0.109	13.005	-533.368	1
1290_1290	1290	1290	-133.569	-22.379	-0.94	-1.447	17.935	-756.154	1
1290_1291	1290	1291	-17.104	17.418	-0.425	-0.218	6.952	-660.594	1
1291_1291	1291	1291	-16.493	0.739	-1.491	2.455	-4.735	-497.247	1
1291_1292	1291	1292	-54.315	-8.193	-1.192	1.977	-5.862	-1209.9	1
1292_1292	1292	1292	-24.726	3.453	0.838	0.268	-16.615	-622.918	1
1292_1293	1292	1293	-62.424	-6.474	0.393	1.061	-0.708	-1123.307	1
1293_1293	1293	1293	-45.041	0.948	0.841	-0.323	-7.107	-865.23	1
1293_1294	1293	1294	-67.431	-6.464	0.388	-0.425	3.858	-1052.293	1
1294_1294	1294	1294	-64.239	18.519	0.125	1.658	-0.385	-1075.724	1
1294_1295	1294	1295	-68.327	-7.19	0.012	1.233	3.861	-1007.701	1
1295_1295	1295	1295	-92.501	16.342	0.09	0.194	0.252	-1122.342	1
1295_1296	1295	1296	-78.579	-7.204	0.006	-0.011	2.705	-893.724	1
1296_1296	1296	1296	-106.239	14.028	0.096	0.018	0.924	-1246.424	1
1296_1297	1296	1297	-74.492	-7.363	0.005	-0.214	2.751	-848.301	1
1297_1297	1297	1297	-119.42	13.121	0.038	1.015	1.885	-1392.984	1
1297_1298	1297	1298	-72.739	-7.135	0.028	0.443	2.895	-828.072	1
1298_1298	1298	1298	-105.939	11.917	0.047	1.078	3.245	-1570.82	1
1298_1299	1298	1299	-58.478	-7.193	0.041	0.341	4.808	-844.704	1
1299_1299	1299	1299	-115.911	9.102	0.02	-0.418	3.759	-1711.953	1
1299_1300	1299	1300	-53.84	-7.193	0.038	-0.473	5.268	-780.523	1
1300_1300	1300	1300	-127.824	7.279	-0.076	1.399	3.839	-1880.192	1
1300_1301	1300	1301	-48.818	-7.092	-0.066	0.341	4.398	-711.02	1
1301_1301	1301	1301	-139.018	2.723	-0.101	-0.846	2.699	-2037.467	1
1301_1302	1301	1302	-44.554	-7.079	-0.07	-0.515	3.623	-651.248	1
1302_1302	1302	1302	-145.601	1.397	-0.051	1.48	1.389	-2129.308	1
1302_1303	1302	1303	-39.584	-6.864	-0.066	0.241	2.729	-582.457	1
1303_1303	1303	1303	-151.226	-3.452	-0.077	-1.439	0.61	-2206.515	1
1303_1304	1303	1304	-35.508	-6.864	-0.071	-0.581	1.951	-526.038	1
1304_1304	1304	1304	-153.008	-22.481	-0.063	0.759	-0.121	-2231.846	1
1304_1305	1304	1305	-30.843	-6.638	-0.093	0.074	0.734	-461.469	1
1305_1305	1305	1305	-154.371	-27.122	-0.086	-1.669	-1.213	-2249.934	1
1305_1306	1305	1306	-26.917	-6.615	-0.097	-0.476	-0.365	-405.012	1
1306_1306	1306	1306	-151.724	-28.229	-0.084	0.454	-2.397	-2211.193	1
1306_1307	1306	1307	-22.879	-6.329	-0.134	-0.029	-1.955	-349.117	1
1307_1307	1307	1307	-147.055	-32.7	-0.101	-1.582	-3.427	-2142.762	1
1307_1308	1307	1308	-18.578	-6.329	-0.137	-0.396	-3.685	-289.576	1
1308_1308	1308	1308	-137.221	-34.763	-0.065	0.095	-4.631	-2000.7	1
1308_1309	1308	1309	-14.641	-6.061	-0.085	-0.119	-4.719	-234.673	1
1309_1309	1309	1309	-124.548	-39.773	-0.088	-1.791	-5.228	-1817.407	1
1309_1310	1309	1310	-10.763	-6.036	-0.089	-0.388	-5.82	-179.06	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1310_1310	1310	1310	-106.031	-43.192	0.218	-0.429	-6.06	-1550.738	1
1310_1311	1310	1311	-6.734	-6.041	0.047	-0.202	-5.226	-121.344	1
1311_1311	1311	1311	-82.304	-54.876	0.194	-1.69	-3.152	-1215.998	1
1311_1312	1311	1312	-3.113	-5.907	-0.001	-0.327	-5.786	-64.353	1
1312_1312	1312	1312	-52.034	-60.458	0.042	-0.95	-0.749	-781.937	1
1312_1313	1312	1313	-11.728	24.334	0.091	1.324	0	-47.81	1
1400_1020	1400	1020	50.393	-21.282	14.094	0.888	-101.825	-671.606	1
1400_1401	1400	1401	-62.236	-1.532	5.329	0.264	-48.908	-217.866	1
1401_1401	1401	1401	50.546	-20.434	3.585	-0.992	-44.614	-584.484	1
1401_1402	1401	1402	-64.578	-1.434	3.653	-0.987	-37.659	-212.216	1
1402_1402	1402	1402	51.022	-19.208	3.623	0.212	-31.993	-513.187	1
1402_1403	1402	1403	-67.246	-2.781	3.765	0.104	1.95	-180.582	1
1403_1403	1403	1403	51.296	-17.035	-0.468	-0.136	7.006	-303.524	1
1403_1404	1403	1404	-73.339	-4.475	-0.014	-0.153	2.076	-147.119	1
1404_1404	1404	1404	53.942	-15.585	-0.506	-0.341	3.733	-180.752	1
1404_1405	1404	1405	-79.295	-4.447	-0.015	-0.29	2.377	-106.77	1
1405_1405	1405	1405	53.759	-13.118	-0.071	-0.279	-0.305	-68.884	1
1405_1406	1405	1406	-45.97	10.75	-0.038	0.07	0.146	-173.116	1
1406_1406	1406	1406	63.56	10.863	1.246	0.276	0.817	-39.727	1
1406_1407	1406	1407	-44.747	11.32	-0.009	0.132	0.546	-266.859	1
1407_1407	1407	1407	72.266	13.177	1.164	-0.018	11.457	-140.605	1
1407_1408	1407	1408	-44.986	10.799	0.037	0	1.068	-326.146	1
1408_1408	1408	1408	82.301	-3.497	-4.203	0.652	18.709	-214.59	1
1408_1409	1408	1409	-41.623	20.067	-0.104	0.127	0.928	-386.631	1
1409_1409	1409	1409	79.781	3.106	-3.72	-0.716	6.476	-204.366	1
1409_1410	1409	1410	-41.573	-19.831	-0.04	-0.116	0.805	-326.768	1
1410_1410	1410	1410	86.112	-14.002	0.354	0.201	-4.76	-214.583	1
1410_1411	1410	1411	-44.389	-10.286	0.005	0.218	-0.181	-268.768	1
1411_1411	1411	1411	83.698	-12.082	0.155	0.018	-2.236	-136.912	1
1411_1412	1411	1412	-45.273	-9.442	0.217	-0.15	0.39	-175.597	1
1412_1412	1412	1412	75.64	-8.541	-0.017	0.07	0.165	-32.024	1
1412_1413	1412	1413	-97.577	9.07	-0.038	-0.103	-0.296	-105.722	1
1413_1413	1413	1413	58.154	15.13	0.353	0.231	0.473	-64.812	1
1413_1414	1413	1414	-101.684	6.073	0.312	-0.196	1.154	-149.073	1
1414_1414	1414	1414	53.925	16.838	0.379	0.263	2.838	-175.554	1
1414_1415	1414	1415	-98.525	3.918	0.26	-0.119	3.175	-177.072	1
1415_1415	1415	1415	53.433	19.047	-3.843	1.163	6.248	-297.144	1
1415_1416	1415	1416	-95.124	1.396	2.874	0.458	34.295	-190.656	1
1416_1416	1416	1416	52.929	20.305	-4.344	-3.323	-34.278	-505.343	1
1416_1417	1416	1417	-91.601	-0.612	3.723	-2.319	46.762	-187.7	1
1417_1417	1417	1417	52.673	21.052	-14.052	-1.008	49.161	-576.118	1
1417_1036	1417	1036	-91.638	-1.099	3.002	-0.068	59.119	-183.225	1
1420_1056	1420	1056	54.674	-20.089	13.749	0.737	-85.842	-611.294	1
1420_1421	1420	1421	-56.174	-0.326	4.538	0.219	-39.715	-160.623	1
1421_1421	1421	1421	54.675	-19.185	2.55	-0.284	-29.626	-529.053	1
1421_1422	1421	1422	-57.882	-0.286	3.009	-0.619	-29.553	-159.133	1
1422_1422	1422	1422	55.116	-17.882	2.528	0.002	-20.798	-462.181	1
1422_1423	1422	1423	-95.782	0.009	-2.763	0.052	-1.649	-144.515	1
1423_1423	1423	1423	54.146	-15.615	-0.46	-0.094	6.186	-266.87	1
1423_1424	1423	1424	-94.64	-2.473	-0.03	0.211	-1.08	-125.555	1
1424_1424	1424	1424	54.488	-14.375	-0.511	-0.318	2.813	-154.422	1
1424_1425	1424	1425	-99.003	-4.295	0.098	0.122	-0.661	-92.836	1
1425_1425	1425	1425	56.544	-11.579	0.06	-0.244	-1.282	-52.133	1
1425_1426	1425	1426	-47.605	9.941	-0.049	0.065	0.152	-157.411	1
1426_1426	1426	1426	54.072	8.465	1.367	0.296	-0.931	-26.725	1
1426_1427	1426	1427	-47.345	9.966	-0.003	0.241	0.362	-240.839	1
1427_1427	1427	1427	76.554	11.774	0.097	-0.245	1.113	-109.279	1
1427_1428	1427	1428	-47.653	9.208	0.105	-0.218	0.993	-291.597	1
1428_1428	1428	1428	75.283	-4.028	3.434	1.211	0.338	-175.194	1
1428_1429	1428	1429	-44.677	19.059	-0.019	0.212	1.362	-348.931	1
1429_1429	1429	1429	72.913	3.809	4.045	-1.249	11.157	-163.966	1
1429_1430	1429	1430	-44.624	-18.913	0.014	-0.182	1.365	-291.638	1
1430_1430	1430	1430	68.211	-11.317	-1.584	0.102	22.058	-175.867	1
1430_1431	1430	1431	-47.549	-8.951	-0.058	0.151	0.606	-241.146	1
1431_1431	1431	1431	66.122	-9.77	-1.704	-0.332	13.469	-113.525	1
1431_1432	1431	1432	-48.738	-8.144	0.196	-0.118	0.765	-157.997	1
1432_1432	1432	1432	50.649	-6.772	0.06	-0.169	-1.655	-30.205	1
1432_1433	1432	1433	-77.052	5.923	-0.041	0.22	1.11	-92.003	1
1433_1433	1433	1433	59.126	13.888	0.551	0.39	-0.786	-50.887	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1433_1434	1433	1434	-66.693	4.734	0.151	0.334	2.298	-122.178	1
1434_1434	1434	1434	54.866	15.598	0.436	0.033	3.052	-152.684	1
1434_1435	1434	1435	-62.722	3.576	0.241	0.061	3.904	-146.394	1
1435_1435	1435	1435	55.841	17.891	-2.521	0.133	6.829	-265.104	1
1435_1436	1435	1436	-56.416	2.012	-3.163	0.034	-30.926	-166.231	1
1436_1436	1436	1436	55.401	19.196	-2.609	-0.191	-20.488	-460.59	1
1436_1437	1436	1437	-56.453	0.69	-3.064	0.467	-41.51	-168.65	1
1437_1437	1437	1437	55.178	20.215	-13.708	-0.719	-29.828	-527.413	1
1437_1072	1437	1072	-53.864	0.799	-4.486	-0.213	-58.948	-171.689	1
1440_1094	1440	1094	55.739	-19.716	13.249	0.824	-75.058	-592.936	1
1440_1441	1440	1441	-51.499	-0.467	4.501	0.242	-29.667	-153.577	1
1441_1441	1441	1441	55.73	-18.814	1.882	-0.349	-21.048	-512.167	1
1441_1442	1441	1442	-51.399	-0.568	2.258	-0.545	-21.078	-151.587	1
1442_1442	1442	1442	56.165	-17.471	1.883	0.004	-14.483	-446.521	1
1442_1443	1442	1443	-94.802	0.1	-2.406	0.14	-2.565	-142.237	1
1443_1443	1443	1443	54.948	-15.171	-0.435	-0.232	5.317	-255.671	1
1443_1444	1443	1444	-93.839	-2.404	0.096	0.17	-1.002	-124.108	1
1444_1444	1444	1444	55.945	-13.86	-0.433	-0.265	2.225	-146.467	1
1444_1445	1444	1445	-99.829	-4.102	0.11	0.23	-0.414	-92.496	1
1445_1445	1445	1445	57.647	-11.113	0.078	-0.288	-1.374	-47.35	1
1445_1446	1445	1446	-46.858	9.6	-0.029	0.075	0.294	-153.345	1
1446_1446	1446	1446	48.961	7.899	0.971	0.265	-1.071	-29.085	1
1446_1447	1446	1447	-47.316	9.484	-0.118	0.205	-0.545	-232.997	1
1447_1447	1447	1447	77.399	11.718	0.059	-0.223	0.613	-107.801	1
1447_1448	1447	1448	-47.776	8.745	-0.031	-0.108	-0.648	-281.102	1
1448_1448	1448	1448	76.147	-4.319	2.588	1.541	-0.375	-173.335	1
1448_1449	1448	1449	-45.15	18.595	0.061	-0.076	-0.466	-336.899	1
1449_1449	1449	1449	74.136	4.129	4.337	-1.566	7.688	-161.047	1
1449_1450	1449	1450	-45.171	-18.542	-0.126	0.082	-0.9	-280.721	1
1450_1450	1450	1450	69.048	-11.268	-1.493	-0.087	19.716	-173.849	1
1450_1451	1450	1451	-47.806	-8.482	0.143	-0.134	-0.503	-232.525	1
1451_1451	1451	1451	67.384	-9.747	-1.473	-0.283	11.427	-111.645	1
1451_1452	1451	1452	-49.529	-7.726	0.326	0.042	0.668	-153.352	1
1452_1452	1452	1452	50.815	-6.636	0.086	-0.201	-1.624	-28.912	1
1452_1453	1452	1453	-78.526	5.787	-0.074	0.261	0.526	-92.299	1
1453_1453	1453	1453	57.78	13.533	0.455	0.297	-0.861	-49.061	1
1453_1454	1453	1454	-68.331	4.553	0.252	0.272	2.439	-121.614	1
1454_1454	1454	1454	54.399	15.072	0.432	0.218	2.282	-148.01	1
1454_1455	1454	1455	-65.014	3.416	0.238	0.205	3.999	-145.192	1
1455_1455	1455	1455	55.026	17.456	-1.835	0.087	6.08	-256.498	1
1455_1456	1455	1456	-57.196	1.761	-2.424	0.073	-22.747	-162.462	1
1456_1456	1456	1456	54.6	18.743	-1.879	0.021	-13.894	-447.532	1
1456_1457	1456	1457	-56.189	0.502	-2.333	0.455	-30.48	-164.008	1
1457_1457	1457	1457	54.507	19.728	-13.215	-0.806	-20.455	-512.919	1
1457_1110	1457	1110	-54.911	0.505	-4.187	-0.226	-47.815	-166.055	1
1460_1132	1460	1132	57.756	-21.808	11.573	0.825	-66.522	-644.392	1
1460_1461	1460	1461	-33.016	-2.952	2.795	0.184	-21.56	-149.533	1
1461_1461	1461	1461	57.803	-20.797	1.57	-0.675	-19.155	-555.091	1
1461_1462	1461	1462	-104.741	3.921	-1.632	0.433	18.673	-155.884	1
1462_1462	1462	1462	58.283	-19.404	1.618	0.095	-13.562	-482.553	1
1462_1463	1462	1463	-111.96	1.878	-1.788	0.144	-0.353	-173.806	1
1463_1463	1463	1463	58.078	-16.599	-0.482	-0.41	4.973	-270.667	1
1463_1464	1463	1464	-116.115	-0.786	0.019	-0.052	1.575	-166.987	1
1464_1464	1464	1464	58.449	-15.245	-0.329	-0.008	1.641	-151.021	1
1464_1465	1464	1465	-121.365	-3.058	-0.315	0.407	-0.606	-143.337	1
1465_1465	1465	1465	-34.418	-2.949	0.016	0.025	0.176	-48.604	1
1465_1466	1465	1466	-41.858	12	-0.04	0.164	0.205	-155.92	1
1466_1466	1466	1466	35.264	8.067	-0.294	-0.018	0.636	-74.64	1
1466_1467	1466	1467	-45.547	10.894	0.089	-0.041	1.452	-251.086	1
1467_1467	1467	1467	38.925	9.155	-0.275	0.317	-2.338	-147.444	1
1467_1468	1467	1468	-45.761	9.956	0.011	0.403	1.729	-306.422	1
1468_1468	1468	1468	44.531	0.06	-2.865	-0.028	-4.442	-198.477	1
1468_1469	1468	1469	-44.768	19.731	-0.506	0.423	-0.936	-365.261	1
1469_1469	1469	1469	57.681	-0.041	2.889	-0.404	-11.262	-243.28	1
1469_1470	1469	1470	-43.438	-19.725	0.415	-0.447	0.413	-307.543	1
1470_1470	1470	1470	55.012	-12.132	0.173	-0.277	-2.725	-243.426	1
1470_1471	1470	1471	-46.333	-10.231	0.011	-0.284	0.859	-250.462	1
1471_1471	1471	1471	54.31	-10.949	0.221	-0.057	-1.734	-176.087	1
1471_1472	1471	1472	-43.089	-10.452	-0.152	-0.003	0.167	-153.271	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1472_1472	1472	1472	47.241	-8.686	-0.035	-0.172	0.197	-80.423	1
1472_1473	1472	1473	-102.447	4.975	-0.008	-0.05	0.611	-122.872	1
1473_1473	1473	1473	55.665	15.474	0.447	0.278	-1.08	-48.031	1
1473_1474	1473	1474	-101.778	2.058	-0.012	-0.12	-0.364	-136.357	1
1474_1474	1474	1474	54.493	16.753	0.437	0.208	2.127	-159.835	1
1474_1475	1474	1475	-53.07	5.716	0.205	0.165	3.186	-142.353	1
1475_1475	1475	1475	55.447	19.091	-1.722	-0.088	5.865	-280.434	1
1475_1476	1475	1476	-48.712	4.305	-1.768	0.006	-16.439	-188.122	1
1476_1476	1476	1476	54.974	20.415	-1.687	0.569	-13.034	-488.949	1
1476_1477	1476	1477	-47.138	3.255	-1.738	0.52	-21.984	-199.118	1
1477_1477	1477	1477	56.004	21.363	-13.542	-0.84	-19.049	-560.218	1
1477_1148	1477	1148	-47.231	3.141	-2.673	-0.178	-33.616	-211.992	1
1480_1168	1480	1168	55.655	-21.488	14.018	0.952	-74.536	-652.028	1
1480_1481	1480	1481	-41.523	-2.226	2.774	0.193	-19.348	-158.462	1
1481_1481	1481	1481	55.978	-20.562	1.566	-1.432	-18.03	-563.994	1
1481_1482	1481	1482	-42.769	-2.228	1.652	-0.714	-13.876	-150.364	1
1482_1482	1482	1482	56.447	-19.216	1.722	0.375	-12.155	-492.272	1
1482_1483	1482	1483	-103.591	2.458	-1.131	0.221	-1.035	-144.913	1
1483_1483	1483	1483	55.132	-16.867	-0.489	-0.209	6.034	-282.399	1
1483_1484	1483	1484	-103.233	-0.237	0.029	0.103	-0.098	-142.293	1
1484_1484	1484	1484	55.509	-15.581	-0.482	-0.245	2.513	-160.82	1
1484_1485	1484	1485	-108.842	-2.215	0.042	0.144	0.01	-124.706	1
1485_1485	1485	1485	55.27	-13.186	0.041	-0.261	-1.339	-48.505	1
1485_1486	1485	1486	-41.699	12.231	-0.062	0.16	0.031	-157.698	1
1486_1486	1486	1486	44.146	8.852	-0.213	-0.005	0.666	-65.731	1
1486_1487	1486	1487	-44.298	11.263	0.144	-0.043	1.76	-255.491	1
1487_1487	1487	1487	48.007	10.148	-0.187	0.311	-1.657	-145.77	1
1487_1488	1487	1488	-45.805	10.463	0.021	0.421	1.797	-313.371	1
1488_1488	1488	1488	53.874	-0.886	-3.553	0.231	-3.283	-202.498	1
1488_1489	1488	1489	-42.604	19.754	-0.559	0.597	-0.43	-372.737	1
1489_1489	1489	1489	46.823	-0.064	3.596	-0.08	-15.527	-206.609	1
1489_1490	1489	1490	-42.633	-19.673	0.53	-0.57	0.961	-314.561	1
1490_1490	1490	1490	45.684	-10.006	0.391	-0.247	-5.207	-206.76	1
1490_1491	1490	1491	-45.181	-10.339	-0.063	-0.264	1.257	-256.818	1
1491_1491	1491	1491	43.45	-8.939	0.401	-0.024	-2.787	-151.755	1
1491_1492	1491	1492	-42.078	-10.626	-0.227	0.008	-0.084	-158.663	1
1492_1492	1492	1492	35.883	-7.051	-0.059	-0.129	0.625	-73.872	1
1492_1493	1492	1493	-107.495	5.483	-0.014	-0.049	0.714	-124.47	1
1493_1493	1493	1493	58.074	15.608	0.457	0.272	-1.075	-46.639	1
1493_1494	1493	1494	-105.728	2.466	-0.036	-0.113	-0.418	-140.437	1
1494_1494	1494	1494	56.799	16.974	0.445	0.195	2.205	-159.508	1
1494_1495	1494	1495	-101.945	0.266	-0.009	-0.117	-0.382	-141.383	1
1495_1495	1495	1495	58.248	19.331	-1.713	0.023	5.916	-281.862	1
1495_1496	1495	1496	-37.653	3.656	-1.335	0.045	-12.157	-149.666	1
1496_1496	1496	1496	57.767	20.723	-1.725	0.225	-12.767	-493.013	1
1496_1497	1496	1497	-36.343	2.857	-1.269	0.293	-16.071	-159.358	1
1497_1497	1497	1497	57.946	21.572	-13.927	-0.899	-18.517	-565.331	1
1497_1184	1497	1184	-36.353	2.765	-2.921	-0.163	-28.382	-170.686	1
1500_1204	1500	1204	55.731	-21.806	13.772	1.306	-86.286	-674.439	1
1500_1501	1500	1501	-53.814	-0.241	5.036	0.357	-29.873	-151.684	1
1501_1501	1501	1501	56.077	-20.821	2.629	-0.185	-29.884	-585.186	1
1501_1502	1501	1502	-56.337	-0.106	2.305	-0.506	-22.889	-151.192	1
1502_1502	1502	1502	56.567	-19.455	2.594	-0.034	-20.813	-512.541	1
1502_1503	1502	1503	-95.516	0.178	-1.748	0.168	-0.578	-141.978	1
1503_1503	1503	1503	55.259	-17.21	-0.501	-0.283	7.009	-300.242	1
1503_1504	1503	1504	-93.678	-2.234	-0.045	0.186	-0.223	-124.775	1
1504_1504	1504	1504	56.297	-15.851	-0.498	-0.341	3.434	-176.266	1
1504_1505	1504	1505	-98.599	-4.049	-0.031	0.232	-0.713	-93.777	1
1505_1505	1505	1505	57.569	-13.086	-0.022	-0.377	-0.498	-63.48	1
1505_1506	1505	1506	-48.348	11.224	0.004	0.122	0.707	-176.947	1
1506_1506	1506	1506	53.185	8.082	1.576	0.284	-0.705	-26.862	1
1506_1507	1506	1507	-47.867	11.265	-0.007	0.222	0.852	-271.89	1
1507_1507	1507	1507	65.811	10.628	1.53	-0.059	13.375	-106.365	1
1507_1508	1507	1508	-48.15	10.745	0.099	-0.046	1.881	-330.883	1
1508_1508	1508	1508	78.333	-4.995	-4.81	1.264	22.716	-166.94	1
1508_1509	1508	1509	-44.666	20.63	-0.113	0.419	1.845	-393.076	1
1509_1509	1509	1509	70.903	3.975	4.655	-1.266	7.904	-155.032	1
1509_1510	1509	1510	-44.627	-20.528	-0.057	-0.386	1.656	-331.063	1
1510_1510	1510	1510	65.507	-10.712	-1.414	0.115	20.698	-167.622	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1510_1511	1510	1511	-47.73	-10.478	-0.094	0.219	0.263	-271.676	1
1511_1511	1511	1511	63.814	-9.248	-1.55	-0.349	12.966	-108.321	1
1511_1512	1511	1512	-48.571	-9.452	0.176	-0.18	0.192	-175.502	1
1512_1512	1512	1512	46.311	-6.163	0.009	-0.184	-0.884	-29.723	1
1512_1513	1512	1513	-96.365	7.076	-0.022	-0.112	-0.133	-97.812	1
1513_1513	1513	1513	61.442	15.532	0.484	0.389	-0.282	-62.456	1
1513_1514	1513	1514	-100.473	4.184	0.055	-0.195	-0.536	-127.418	1
1514_1514	1514	1514	57.239	17.284	0.46	0.275	3.046	-176.259	1
1514_1515	1514	1515	-93.481	2.29	0.101	-0.181	0.545	-142.75	1
1515_1515	1515	1515	58.019	19.554	-2.562	-0.115	6.805	-301.112	1
1515_1516	1515	1516	-52.525	1.716	-2.099	0.027	-20.321	-153.412	1
1516_1516	1516	1516	57.529	20.955	-2.526	0.753	-21.247	-514.497	1
1516_1517	1516	1517	-50.97	0.579	-2.057	0.609	-26.824	-155.217	1
1517_1517	1517	1517	57.732	21.744	-13.608	-1.257	-29.911	-587.654	1
1517_1220	1517	1220	-48.081	0.67	-5.405	-0.303	-47.381	-157.391	1
1520_1241	1520	1241	65.707	-24.405	3.776	3.974	-22.787	-737.336	1
1520_1521	1520	1521	-60.215	-1.002	3.164	2.961	-10.513	-180.935	1
1521_1521	1521	1521	66.542	-23.157	0.901	1.626	-7.031	-638.234	1
1521_1522	1521	1522	-60.281	-0.727	0.545	0.211	-8.754	-179.036	1
1522_1522	1522	1522	67.075	-21.574	0.674	-0.362	-4.465	-557.586	1
1522_1523	1522	1523	-66.906	-1.545	0.853	-0.258	-0.449	-158.179	1
1523_1523	1523	1523	69.534	-18.841	-0.165	-0.19	1.835	-322.499	1
1523_1524	1523	1524	-95.038	-3.039	-0.58	0.464	4.472	-133.982	1
1524_1524	1524	1524	69.971	-17.219	-0.278	-0.537	0.524	-186.699	1
1524_1525	1524	1525	-81.039	-2.328	0.37	-0.414	2.98	-104.762	1
1525_1525	1525	1525	69.59	-14.259	-0.278	-0.496	-2.073	-63.556	1
1525_1526	1525	1526	-59.574	12.509	0.146	0.188	4.198	-196.239	1
1526_1526	1526	1526	55.546	8.633	3.633	0.556	5.835	-32.405	1
1526_1527	1526	1527	-59.703	11.899	-0.551	0.425	-0.104	-296.813	1
1527_1527	1527	1527	80.131	12.953	-2.47	0.102	-22.961	-124.964	1
1527_1528	1527	1528	-60.106	11.134	-0.165	-0.135	1.589	-358.053	1
1528_1528	1528	1528	75.91	-4.116	5.435	-2.551	-40.203	-195.684	1
1528_1529	1528	1529	-56.37	23.35	-0.228	0.251	0.287	-428.275	1
1529_1529	1529	1529	72.935	3.221	4.053	2.694	-22.455	-185.603	1
1529_1530	1529	1530	-56.127	-23.427	-0.407	-0.099	0.508	-357.291	1
1530_1530	1530	1530	66.845	-12.204	0.759	-0.269	-10.775	-195.336	1
1530_1531	1530	1531	-59.405	-10.824	-0.467	0.201	0.225	-294.84	1
1531_1531	1531	1531	66.289	-10.783	0.646	-0.296	-6.293	-127.507	1
1531_1532	1531	1532	-59.02	-10.446	-0.679	-0.086	-3.408	-192.828	1
1532_1532	1532	1532	50.477	-7.721	0.234	-0.288	-0.388	-35.571	1
1532_1533	1532	1533	-77.947	6.075	-0.31	0.41	-4.109	-105.827	1
1533_1533	1533	1533	75.492	17.107	-0.437	0.482	-5.344	-64.517	1
1533_1534	1533	1534	-66.421	5.737	-0.345	0.395	-6.264	-142.067	1
1534_1534	1534	1534	72.087	19.144	-0.486	0.501	-8.147	-189.967	1
1534_1535	1534	1535	-62.629	4.641	-0.29	0.406	-8.131	-173.726	1
1535_1535	1535	1535	72.741	21.74	-1.272	0.376	-11.102	-327.857	1
1535_1536	1535	1536	-56.613	2.979	-0.891	0.272	-17.471	-205.121	1
1536_1536	1536	1536	72.19	23.499	-1.4	-0.112	-24.681	-565.222	1
1536_1537	1536	1537	-54.297	1.83	-0.714	0.273	-18.885	-211.358	1
1537_1537	1537	1537	72.374	24.348	-2.758	-3.192	-29.641	-647.893	1
1537_1255	1537	1255	-53.919	1.854	-2.783	-2.185	-30.455	-219.44	1
1540_1279	1540	1279	64.676	-24.381	5.609	5.062	-13.303	-745.566	1
1540_1541	1540	1541	-82.469	-0.496	-4.815	-3.504	-18.919	-234.922	1
1541_1541	1541	1541	67.067	-23.027	0.162	1.413	9.272	-647.041	1
1541_1542	1541	1542	-87.363	-1.354	1.29	0.502	-14.092	-228.01	1
1542_1542	1542	1542	67.606	-21.392	0.033	-0.017	9.519	-566.648	1
1542_1543	1542	1543	-92.063	-3.225	1.546	0.389	1.69	-191.394	1
1543_1543	1543	1543	66.814	-19.02	-0.49	0.176	9.227	-332.769	1
1543_1544	1543	1544	-88.816	-5.25	-0.292	0.628	0.377	-152.384	1
1544_1544	1544	1544	69.617	-17.089	-0.748	-0.792	5.723	-197.528	1
1544_1545	1544	1545	-89.151	-0.636	-0.031	-0.563	5.837	-111.386	1
1545_1545	1545	1545	69.826	-14.061	-0.705	-0.588	-0.144	-76.588	1
1545_1546	1545	1546	-64.331	11.505	0.043	0.187	4.053	-200.492	1
1546_1546	1546	1546	70.057	12.921	-4.411	-0.108	-8.008	-48.177	1
1546_1547	1546	1547	-61.534	11.898	-1.317	0.45	-5.506	-298.587	1
1547_1547	1547	1547	79.243	15.148	-4.984	0.633	-52.33	-166.633	1
1547_1548	1547	1548	-61.405	11.21	-0.774	0.094	-5.125	-359.368	1
1548_1548	1548	1548	68.481	-1.897	6.998	-8.55	-81.792	-247.788	1
1548_1549	1548	1549	-58.193	23.737	-0.195	-0.303	-5.405	-430.396	1

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1549_1549	1549	1549	67.107	-0.465	2.228	9.485	-60.837	-248.037	1
1549_1550	1549	1550	-58.404	-24.171	-0.598	0.758	-5.95	-358.91	1
1550_1550	1550	1550	61.398	-14.72	3.417	-0.717	-55.471	-246.178	1
1550_1551	1550	1551	-61.23	-10.546	-0.441	0.252	-4.035	-297.862	1
1551_1551	1551	1551	58.978	-13.075	3.207	-0.087	-34.923	-163.276	1
1551_1552	1551	1552	-58.47	-9.624	-1.335	0.072	-6.177	-202.661	1
1552_1552	1552	1552	48.189	-10.324	1.058	-0.369	-7.46	-55.877	1
1552_1553	1552	1553	-73.052	7.905	-1.118	0.546	-9.736	-125.535	1
1553_1553	1553	1553	79.128	18.043	-0.736	0.621	-7.145	-52.822	1
1553_1554	1553	1554	-63.801	8.151	-0.487	0.553	-12.774	-176.364	1
1554_1554	1554	1554	75.959	20.199	-0.817	0.693	-11.802	-180.172	1
1554_1555	1554	1555	-61.215	6.997	-0.417	0.655	-15.421	-224.622	1
1555_1555	1555	1555	76.213	23.183	-0.992	0.67	-17.26	-232.504	1
1555_1556	1555	1556	-54.37	5.391	-0.254	0.537	-17.651	-280.517	1
1556_1556	1556	1556	75.536	25.296	-1.153	0.114	-27.448	-569.338	1
1556_1557	1556	1557	-51.999	4.144	-0.044	0.336	-16.347	-294.002	1
1557_1557	1557	1557	75.549	26.299	-1.819	-2.043	-31.565	-656.87	1
1557_1291	1557	1291	-51.431	3.732	-1.707	-0.786	-26.132	-315.373	1
41000_1000	41000	1000	-1.188	-5.236	0.955	-1.808	0	-9.081	1
41000_1001	41000	1001	0.864	5.504	-1.251	1.76	-21.269	-86.474	1
41001_1001	41001	1001	1.876	23.754	-0.839	7.661	-14.337	-1016.552	1
41001_1002	41001	1002	0.982	5.54	-1.196	1.983	-33.352	-146.467	1
41002_1002	41002	1002	2.279	20.03	0.534	4.692	-26.299	-1501.319	1
41002_1003	41002	1003	1.063	5.607	1.624	1.709	-13.55	-214.814	1
41003_1003	41003	1003	2.444	7.789	0.55	6.801	-20.391	-1942.63	1
41003_1004	41003	1004	1.062	5.607	1.625	1.884	6.264	-283.183	1
41004_1004	41004	1004	2.732	5.643	0.389	2.934	-13.588	-2278.555	1
41004_1005	41004	1005	1.037	5.601	0.725	1.515	15.107	-351.464	1
41005_1005	41005	1005	2.948	-0.165	0.332	5.979	-7.47	-2547.414	1
41005_1006	41005	1006	1.037	5.601	0.726	1.801	23.962	-419.78	1
41006_1006	41006	1006	3.096	-0.712	0.29	1.164	-1.651	-2709.079	1
41006_1007	41006	1007	1.03	5.814	0.4	1.284	28.836	-490.631	1
41007_1007	41007	1007	3.187	-6.098	0.199	4.411	4.335	-2836.358	1
41007_1008	41007	1008	1.029	5.814	0.401	1.684	33.721	-561.519	1
41008_1008	41008	1008	3.231	-6.055	0.324	-0.462	9.013	-2872.846	1
41008_1009	41008	1009	1.045	6.053	0.361	1.035	38.011	-635.246	1
41009_1009	41009	1009	3.232	-11.2	0.225	2.58	15.652	-2890.835	1
41009_1010	41009	1010	1.045	6.053	0.362	1.49	42.423	-709.075	1
41010_1010	41010	1010	3.232	-29	0.567	-4.948	16.386	-2833.042	1
41010_1011	41010	1011	1.044	6.366	0.378	0.291	47.026	-786.657	1
41011_1011	41011	1011	3.23	-34.06	0.466	0.531	24.169	-2787.102	1
41011_1012	41011	1012	1.044	6.366	0.379	1.651	51.648	-864.207	1
41012_1012	41012	1012	3.193	-34.618	0.696	-3.149	30.046	-2664.226	1
41012_1013	41012	1013	1.043	6.702	0.338	0.942	55.764	-945.93	1
41013_1013	41013	1013	3.122	-39.574	0.571	-4.103	38.692	-2524.168	1
41013_1014	41013	1014	1.044	6.702	0.337	0.172	59.868	-1027.649	1
41014_1014	41014	1014	3.019	-42.866	0.007	-4.289	44.517	-2314.41	1
41014_1015	41014	1015	1.044	6.757	0.133	0.609	62.091	-1140.721	1
41015_1015	41015	1015	3.255	-47.971	-0.124	-5.669	42.13	-1973.009	1
41015_1016	41015	1016	1.029	6.796	0.132	-1.525	62.387	-1195.954	1
41016_1016	41016	1016	3.996	-48.872	-1.571	-4.188	39.813	-1771.042	1
41016_1017	41016	1017	0.914	6.914	-0.288	0.562	59.056	-1277.124	1
41017_1017	41017	1017	5.22	-53.108	-1.579	-5.975	20.271	-1479.105	1
41017_1018	41017	1018	0.743	6.934	-0.289	-2.849	55.114	-1369.243	1
41018_1018	41018	1018	4.513	-36.91	2.043	-2.204	10.982	-1131.333	1
41018_1019	41018	1019	0.583	6.761	1.068	-0.519	68.196	-1453.704	1
41019_1019	41019	1019	5.556	-40.354	1.271	-3.219	33.091	-793.098	1
41019_1020	41019	1020	0.407	6.774	1.067	-4.743	81.314	-1538.86	1
41020_1020	41020	1020	-75.15	-3.905	-5.918	-0.507	189.62	-750.65	1
41020_1021	41020	1021	47.325	-19.074	-1.157	-1.76	55.054	-627.708	1
41021_1021	41021	1021	-68.044	-6.639	-5.675	0.827	125.158	-865.592	1
41021_1022	41021	1022	59.094	-13.173	-2.368	-1.629	68.824	-491.972	1
41022_1022	41022	1022	-62.414	-9.27	-5.389	0.373	74.696	-942.381	1
41022_1023	41022	1023	76.382	-3.775	-3.797	-1.475	76.576	-428.858	1
41023_1023	41023	1023	-56.766	-11.553	-0.909	-0.827	28.016	-1010.186	1
41023_1024	41023	1024	73.71	-2.324	-1.93	-1.556	64.12	-404.187	1
41024_1024	41024	1024	-51.396	-14.71	-0.796	-0.16	16.796	-1069.292	1
41024_1025	41024	1025	72.042	-1.918	-1.922	-1.502	49.225	-387.633	1
41025_1025	41025	1025	-46.589	-18.177	-0.621	-0.819	7.36	-1111.934	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41025_1026	41025	1026	68.111	-1.322	-1.968	-1.882	33.985	-375.132	1
41026_1026	41026	1026	-42.728	-19.98	-0.269	-0.366	0.447	-1139.564	1
41026_1027	41026	1027	68.111	-1.176	-1.424	-1.421	25.448	-368.077	1
41027_1027	41027	1027	-40.391	-22.84	-0.143	-1.929	-2.072	-1156.587	1
41027_1028	41027	1028	65.997	-0.967	-1.543	-2.045	16.449	-362.102	1
41028_1028	41028	1028	-38.631	-25.859	-0.101	-1.251	-3.561	-1162.126	1
41028_1029	41028	1029	65.171	-0.903	-1.527	-1.959	7.393	-356.381	1
41029_1029	41029	1029	-36.993	-13.421	0.181	0.843	-4.601	-1151.15	1
41029_1030	41029	1030	63.341	-0.767	-1.53	-1.978	-1.523	-351.574	1
41030_1030	41030	1030	-38.163	-14.323	0.483	-0.764	-3.181	-1134.25	1
41030_1031	41030	1031	63.337	-0.479	-2	-2.363	-17.511	-347.737	1
41031_1031	41031	1031	-40.437	-18.113	0.599	-0.226	2.26	-1105.799	1
41031_1032	41031	1032	60.916	-0.357	-1.965	-2.331	-32.457	-344.468	1
41032_1032	41032	1032	-43.604	-21.611	0.706	0.581	9.86	-1061.882	1
41032_1033	41032	1033	95.482	5.724	1.684	2.067	51.229	-374.574	1
41033_1033	41033	1033	-47.297	-24.258	5.169	0.496	19.257	-1000.451	1
41033_1034	41033	1034	72.931	13.13	2.805	3.812	58.373	-451.306	1
41034_1034	41034	1034	-51.339	-27.238	5.495	0.31	65.15	-928.191	1
41034_1035	41034	1035	56.777	18.805	1.501	3.887	50.33	-577.827	1
41035_1035	41035	1035	-55.4	-29.934	6.224	-5.116	114.575	-831.517	1
41035_1036	41035	1036	45.784	24.835	-0.119	-0.9	21.739	-799.09	1
41036_1036	41036	1036	-8.418	-7.074	-0.368	-0.968	3.61	-477.661	1
41036_1037	41036	1037	25.718	-10.118	-0.621	3.523	44.404	-1323.403	1
41037_1037	41037	1037	20.468	2.137	-0.947	1.298	25.626	-715.225	1
41037_1038	41037	1038	25.975	-9.437	-0.642	1.301	36.517	-1205.095	1
41038_1038	41038	1038	24.495	-0.928	1.034	1.955	7.586	-996.937	1
41038_1039	41038	1039	26.217	-9.018	0.483	2.106	42.849	-1085.61	1
41039_1039	41039	1039	28.525	-4.386	1.246	1.637	18.949	-1261.444	1
41039_1040	41039	1040	26.433	-8.364	0.46	0.092	48.328	-984.68	1
41040_1040	41040	1040	31.642	-6.239	0.333	1.634	33.404	-1466.822	1
41040_1041	41040	1041	26.557	-7.935	-0.268	0.602	46.098	-919.29	1
41041_1041	41041	1041	33.489	-10.091	0.389	1.589	36.713	-1594.027	1
41041_1042	41041	1042	26.627	-7.697	-0.274	0.052	41.628	-786.319	1
41042_1042	41042	1042	35.922	-12.027	0.062	0.796	45.437	-1813.613	1
41042_1043	41042	1043	26.629	-7.527	-0.077	-0.149	40.708	-696.157	1
41043_1043	41043	1043	36.58	0.837	0.064	2.594	48.959	-1956.776	1
41043_1044	41043	1044	26.629	-7.527	-0.099	-0.728	39.522	-605.986	1
41044_1044	41044	1044	35.718	-0.721	-0.025	1.649	49.765	-2055.24	1
41044_1045	41044	1045	26.629	-7.44	-0.171	-0.699	37.477	-516.874	1
41045_1045	41045	1045	34.515	-6.064	-0.04	1.125	49.52	-2133.991	1
41045_1046	41045	1046	7.352	7.698	0.318	1.102	38.286	-452.112	1
41046_1046	41046	1046	33.064	-7.493	0.063	-0.037	48.863	-2146.367	1
41046_1047	41046	1047	7.651	7.746	0.272	1.12	41.446	-544.85	1
41047_1047	41047	1047	34.462	-29.988	0.004	-2.7	49.414	-2143.011	1
41047_1048	41047	1048	7.652	7.746	0.266	0.702	44.633	-637.608	1
41048_1048	41048	1048	33.005	-31.53	-0.002	-2.94	49.82	-2073.806	1
41048_1049	41048	1049	7.651	7.832	0.224	1.019	47.323	-731.479	1
41049_1049	41049	1049	31.34	-36.811	-0.06	-4.826	49.975	-1985.555	1
41049_1050	41049	1050	7.652	7.832	0.212	-0.153	49.862	-825.249	1
41050_1050	41050	1050	25.097	-21.097	-0.414	-2.475	47.173	-1844.748	1
41050_1051	41050	1051	7.653	7.948	0.262	0.353	54.127	-954.769	1
41051_1051	41051	1051	21.719	-27.223	-0.355	-3.575	39.458	-1634.487	1
41051_1052	41051	1052	7.585	8.013	0.251	-1.47	56.183	-1021.487	1
41052_1052	41052	1052	20.187	-27.968	-1.463	-2.581	36.247	-1499.377	1
41052_1053	41052	1053	7.453	8.134	-0.227	0.17	53.543	-1117.081	1
41053_1053	41053	1053	18.11	-31.624	-1.318	-3.884	20.58	-1302.233	1
41053_1054	41053	1054	7.422	8.343	-0.247	-2.643	49.762	-1230.212	1
41054_1054	41054	1054	15.716	-35.129	1.992	-2.438	9.041	-1033.616	1
41054_1055	41054	1055	7.355	8.313	0.953	-1.18	61.421	-1334.34	1
41055_1055	41055	1055	13.854	-38.678	1.3	-2.704	31.538	-747.959	1
41055_1056	41055	1056	7.27	8.527	0.95	-3.912	72.766	-1441.276	1
41056_1056	41056	1056	-70.44	-4.546	-5.323	-0.392	164.115	-789.319	1
41056_1057	41056	1057	58.726	-15.443	-1.613	-1.937	63.221	-576.31	1
41057_1057	41057	1057	-65.044	-7.432	-5.165	0.149	106.692	-909.859	1
41057_1058	41057	1058	76.647	-6.899	-3.066	-1.638	81.694	-478.633	1
41058_1058	41058	1058	-60.735	-10.14	-5.006	0.875	61.196	-998.607	1
41058_1059	41058	1059	75.675	-3.623	-3.226	-1.418	65.49	-442.347	1
41059_1059	41059	1059	-56.289	-12.361	-0.69	-0.055	18.311	-1074.867	1
41059_1060	41059	1060	71.917	-2.523	-1.58	-1.477	54.443	-418.484	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41060_1060	41060	1060	-52.088	-15.54	-0.547	-0.573	9.629	-1140.722	1
41060_1061	41060	1061	69.016	-2.055	-1.645	-1.902	41.738	-400.252	1
41061_1061	41061	1061	-48.326	-18.987	-0.406	-1.365	2.773	-1187.788	1
41061_1062	41061	1062	66.183	-1.711	-1.708	-2.373	28.392	-385.325	1
41062_1062	41062	1062	-45.336	-20.743	-0.231	-0.111	-2.043	-1217.994	1
41062_1063	41062	1063	64.283	-1.379	-1.263	-1.635	21.107	-376.42	1
41063_1063	41063	1063	-43.55	-23.552	-0.123	-1.42	-4.062	-1235.99	1
41063_1064	41063	1064	62.226	1.07	1.354	2.209	8.266	-380.067	1
41064_1064	41064	1064	-41.002	-10.622	0.105	0.875	-5.764	-1241.948	1
41064_1065	41064	1065	65.575	1.283	1.356	2.23	15.931	-387.008	1
41065_1065	41065	1065	-41.699	-13.552	0.211	-0.638	-4.797	-1234.615	1
41065_1066	41065	1066	65.577	1.283	1.247	1.586	23.412	-394.712	1
41066_1066	41066	1066	-42.888	-14.341	0.361	0.135	-2.929	-1215.158	1
41066_1067	41066	1067	69.236	1.773	1.684	2.229	36.347	-408.594	1
41067_1067	41067	1067	-45.12	-18.061	0.507	-0.609	1.897	-1183.568	1
41067_1068	41067	1068	75.182	2.491	1.618	1.821	48.3	-425.993	1
41068_1068	41068	1068	-48.192	-21.49	0.579	0.219	8.683	-1135.63	1
41068_1069	41068	1069	79.616	3.395	1.617	1.95	59.811	-449.343	1
41069_1069	41069	1069	-51.696	-23.898	4.86	-1.57	16.704	-1069.993	1
41069_1070	41069	1070	82.772	6.768	3.179	1.635	77.313	-486.373	1
41070_1070	41070	1070	-55.562	-26.831	5.09	-0.888	59.883	-994.241	1
41070_1071	41070	1071	64.2	15.571	1.7	2.26	59.848	-584.337	1
41071_1071	41071	1071	-59.414	-29.509	5.293	-0.436	105.747	-902.881	1
41071_1072	41071	1072	51.251	22.634	0.394	2.472	32.137	-777.122	1
41072_1072	41072	1072	13.059	5.195	-0.668	1.483	36.818	-432.854	1
41072_1073	41072	1073	11.873	-8.488	-0.897	3.801	56.29	-1360.378	1
41073_1073	41073	1073	16.352	2.236	-1.293	1.286	31.277	-752.79	1
41073_1074	41073	1074	12.089	-8.175	-0.907	1.305	45.082	-1257.915	1
41074_1074	41074	1074	19.816	-0.812	1.024	2.433	8.835	-1047.657	1
41074_1075	41074	1075	12.306	-0.079	0.345	2.661	49.545	-1150.836	1
41075_1075	41075	1075	23.319	-4.412	1.269	1.288	20.211	-1324.336	1
41075_1076	41075	1076	12.218	-7.742	0.322	-0.146	53.733	-1055.74	1
41076_1076	41076	1076	25.995	-6.107	0.352	2.386	35.731	-1546.571	1
41076_1077	41076	1077	12.333	-7.465	-0.134	1.381	52.596	-994.228	1
41077_1077	41077	1077	27.533	-9.268	0.334	0.867	39.497	-1709.973	1
41077_1078	41077	1078	12.396	-7.359	-0.15	-0.391	50.382	-889.485	1
41078_1078	41078	1078	30.559	6.708	-0.12	3.52	48.266	-1963.882	1
41078_1079	41078	1079	12.396	-7.3	-0.177	0.159	48.386	-807.366	1
41079_1079	41079	1079	30.477	1.935	-0.192	2.681	47.246	-2135.377	1
41079_1080	41079	1080	11.53	-7.279	-0.196	-0.587	46.613	-725.168	1
41080_1080	41080	1080	30.175	0.796	-0.054	2.368	44.756	-2250.628	1
41080_1081	41080	1081	11.529	-7.218	-0.261	-0.428	43.673	-643.908	1
41081_1081	41081	1081	29.698	-4.011	-0.111	1.414	44.133	-2348.712	1
41081_1082	41081	1082	11.528	-7.218	-0.271	-0.999	40.617	-562.636	1
41082_1082	41082	1082	29.105	-4.882	0.033	1.769	42.538	-2387.113	1
41082_1083	41082	1083	11.528	-7.161	-0.268	-0.683	37.38	-475.997	1
41083_1083	41083	1083	29.708	-27.647	-0.025	-3.14	43.197	-2409.906	1
41083_1084	41083	1084	4.997	6.553	0.318	0.56	39.149	-551.455	1
41084_1084	41084	1084	29.066	-28.858	0.214	-1.729	42.277	-2376.19	1
41084_1085	41084	1085	4.997	6.607	0.319	1.147	42.739	-625.847	1
41085_1085	41085	1085	28.376	-33.611	0.121	-4.651	44.342	-2328.875	1
41085_1086	41085	1086	5.291	6.615	0.307	0.038	46.036	-700.272	1
41086_1086	41086	1086	27.596	-34.619	0.192	-2.928	45.11	-2221.964	1
41086_1087	41086	1087	5.291	6.714	0.253	0.88	48.886	-775.862	1
41087_1087	41087	1087	26.727	-39.36	0.089	-5.443	46.722	-2101.826	1
41087_1088	41087	1088	5.291	6.714	0.244	-0.498	51.629	-851.439	1
41088_1088	41088	1088	25.728	-41.157	-0.121	-5.328	46.586	-1926.544	1
41088_1089	41088	1089	5.497	6.788	0.327	-0.239	56.062	-948.186	1
41089_1089	41089	1089	20.846	-28.084	-0.087	-1.881	41.34	-1686.126	1
41089_1090	41089	1090	5.438	6.836	0.329	-0.552	58.773	-1003.52	1
41090_1090	41090	1090	19.768	-28.803	-1.477	-2.931	39.594	-1533.076	1
41090_1091	41090	1091	5.562	6.884	-0.287	-0.18	55.106	-1084.405	1
41091_1091	41091	1091	18.182	-32.395	-1.319	-3.296	23.186	-1309.509	1
41091_1092	41091	1092	5.386	7.022	-0.29	-2.214	51.208	-1178.493	1
41092_1092	41092	1092	16.171	-35.67	2.119	-1.994	10.863	-1018.661	1
41092_1093	41092	1093	5.228	6.966	1.06	-0.534	64.653	-1265.868	1
41093_1093	41093	1093	14.545	-39.133	1.458	-2.847	34.688	-720.23	1
41093_1094	41093	1094	-31.432	35.977	-2.707	5.289	-77.441	-1452.413	1
41094_1094	41094	1094	-71.719	-4.501	-5.081	-0.123	156.083	-781.551	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41094_1095	41094	1095	55.599	-15.247	-1.499	-1.656	60.493	-564.915	1
41095_1095	41095	1095	-66.172	-7.41	-4.953	0.827	101.252	-901.522	1
41095_1096	41095	1096	70.461	-7.171	-2.77	-1.185	77.63	-465.995	1
41096_1096	41096	1096	-61.75	-10.157	-4.639	-0.897	57.633	-990.872	1
41096_1097	41096	1097	68.696	-3.672	-3.158	-2.129	62.912	-427.497	1
41097_1097	41097	1097	-57.144	-12.381	-0.646	-0.446	17.821	-1067.076	1
41097_1098	41097	1098	65.255	-2.613	-1.75	-1.603	50.675	-403.564	1
41098_1098	41098	1098	-52.778	-15.612	-0.496	-1.155	9.72	-1133.036	1
41098_1099	41098	1099	60.988	-1.885	-1.82	-2.017	36.917	-386.339	1
41099_1099	41099	1099	-48.834	-19.138	-0.416	-0.506	3.508	-1179.504	1
41099_1100	41099	1100	64.271	0.573	1.602	2.532	-5.331	-375.427	1
41100_1100	41100	1100	-45.649	-20.541	0.048	-7.032	-1.093	-1208.184	1
41100_1101	41100	1101	65.784	1.089	1.085	0.047	0.86	-381.803	1
41101_1101	41101	1101	-43.697	-23.346	0.083	-7.264	-1.262	-1226.732	1
41101_1102	41101	1102	66.884	1.159	1.086	0.079	7.136	-388.369	1
41102_1102	41102	1102	-40.178	-10.486	-0.129	8.542	-0.49	-1235.659	1
41102_1103	41102	1103	68.318	1.248	1.879	4.617	18.099	-395.831	1
41103_1103	41103	1103	-40.652	-13.435	-0.017	6.127	-0.557	-1230.949	1
41103_1104	41103	1104	71.569	1.494	1.791	4	28.291	-404.042	1
41104_1104	41104	1104	-41.6	-13.814	0.293	0.432	0.335	-1213.397	1
41104_1105	41104	1105	73.86	2.022	1.821	2.318	42.491	-419.318	1
41105_1105	41105	1105	-43.485	-17.636	0.448	-0.429	5.172	-1186.728	1
41105_1106	41105	1106	78.177	2.571	1.746	1.844	55.76	-437.462	1
41106_1106	41106	1106	-46.189	-21.171	0.534	0.254	12.119	-1141.642	1
41106_1107	41106	1107	83.045	3.644	1.743	1.939	67.961	-460.487	1
41107_1107	41107	1107	-49.362	-23.622	4.524	-1.286	20.484	-1076.979	1
41107_1108	41107	1108	85.501	5.925	3.001	1.661	85.912	-493.888	1
41108_1108	41108	1108	-52.836	-26.652	4.749	-0.656	61.607	-1001.198	1
41108_1109	41108	1109	66.147	14.906	1.646	2.212	65.293	-576.845	1
41109_1109	41109	1109	-56.254	-29.426	4.963	-0.59	105.398	-908.852	1
41109_1110	41109	1110	51.894	22.116	0.371	2.224	35.679	-755.733	1
41110_1110	41110	1110	-1.744	-2.296	-0.235	1.384	29.023	-496.335	1
41110_1111	41110	1111	14.601	-9.263	-1.115	4.415	68.445	-1368.35	1
41111_1111	41111	1111	17.987	1.653	-1.544	0.669	39.769	-764.839	1
41111_1112	41111	1112	14.495	-8.833	-1.135	0.392	55.02	-1257.488	1
41112_1112	41112	1112	21.9	-1.441	0.899	2.256	15.786	-1049.111	1
41112_1113	41112	1113	14.711	-8.722	0.18	2.54	57.223	-1141.782	1
41113_1113	41113	1113	25.993	-5.182	1.09	1.159	26.559	-1314.279	1
41113_1114	41113	1114	14.926	-8.348	0.161	-0.357	59.198	-1041.226	1
41114_1114	41114	1114	29.321	-7.028	0.198	3.381	40.144	-1516.807	1
41114_1115	41114	1115	15.057	-8.163	-0.323	1.967	56.493	-973.9	1
41115_1115	41115	1115	31.397	-10.229	0.148	0.396	42.684	-1653.409	1
41115_1116	41115	1116	14.504	-8.013	-0.358	-0.674	51.675	-856.109	1
41116_1116	41116	1116	34.277	-12.395	-0.177	0.963	46.491	-1848.246	1
41116_1117	41116	1117	14.504	-7.895	-0.31	-0.012	48.187	-767.278	1
41117_1117	41117	1117	37.782	0.615	-0.333	2.504	45.697	-1982.057	1
41117_1118	41117	1118	14.503	-7.895	-0.323	-0.694	44.554	-678.449	1
41118_1118	41118	1118	38.179	-0.36	-0.222	2.935	41.331	-2072.176	1
41118_1119	41118	1119	14.503	-7.81	-0.365	-0.3	40.447	-590.49	1
41119_1119	41119	1119	38.355	-5.379	-0.313	0.333	38.451	-2149.484	1
41119_1120	41119	1120	14.502	-7.81	-0.39	-1.34	36.056	-502.611	1
41120_1120	41120	1120	38.148	-23.438	-0.151	-1.671	35.189	-2171.481	1
41120_1121	41120	1121	14.502	-7.759	-0.371	-1.007	31.566	-408.716	1
41121_1121	41121	1121	38.348	-28.672	-0.22	-2.265	32.663	-2182.776	1
41121_1122	41121	1122	13.952	4.59	0.101	0.591	22.868	-341.857	1
41122_1122	41122	1122	38.336	-29.876	-0.032	-2.977	29.148	-2124.991	1
41122_1123	41122	1123	13.953	4.638	0.123	0.653	24.257	-394.091	1
41123_1123	41123	1123	38.151	-34.809	-0.096	-3.641	28.28	-2056.767	1
41123_1124	41123	1124	13.953	4.638	0.111	0.307	25.506	-446.277	1
41124_1124	41124	1124	37.806	-35.798	0.085	-3.367	26.655	-1929.181	1
41124_1125	41124	1125	13.953	4.73	0.089	0.616	26.504	-499.54	1
41125_1125	41125	1125	37.271	-40.714	-0.018	-5.278	27.335	-1790.349	1
41125_1126	41125	1126	13.953	4.73	0.064	-0.267	27.224	-552.755	1
41126_1126	41126	1126	33.588	-24.36	-0.617	-2.525	25.521	-1599.991	1
41126_1127	41126	1127	14.219	4.858	0.013	0.155	27.081	-620.494	1
41127_1127	41127	1127	31.095	-29.407	-0.622	-2.627	16.844	-1372.564	1
41127_1128	41127	1128	14.177	4.979	-0.003	-0.763	27.055	-657.838	1
41128_1128	41128	1128	29.594	-29.642	-1.528	-2.271	11.906	-1224.516	1
41128_1129	41128	1129	14.153	5.294	-0.292	0.243	23.545	-720.023	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41129_1129	41129	1129	27.242	-33.023	-1.41	-3.484	-3.331	-1025.374	1
41129_1130	41129	1130	-39.886	29.1	1.301	4.496	17.978	-975.651	1
41130_1130	41130	1130	24.09	-36.022	2.6	-2.025	-14.167	-763.914	1
41130_1131	41130	1131	-40.747	32.907	-2.149	4.946	-5.151	-1353.38	1
41131_1131	41131	1131	21.26	-39.33	2.039	-1.755	19.747	-499.597	1
41131_1132	41131	1132	-41.627	37.471	-2.612	4.517	-40.519	-1789.925	1
41132_1132	41132	1132	-75.174	-2.273	-4.518	-4.281	129.899	-593.431	1
41132_1133	41132	1133	68.714	-2.906	1.669	0.051	-48.046	-489.633	1
41133_1133	41133	1133	-68.631	-5.513	-4.63	-2.611	83.517	-746.964	1
41133_1134	41133	1134	68.712	-2.906	1.758	0.308	-34.42	-452.483	1
41134_1134	41134	1134	-63.306	-8.565	-5.556	10.363	44.264	-850.058	1
41134_1135	41134	1135	68.677	-2.906	2.822	7.313	-12.549	-429.903	1
41135_1135	41135	1135	-58.097	-10.146	-0.031	-0.777	-1.076	-941.889	1
41135_1136	41135	1136	70.854	-2.13	0.83	1.959	-6.605	-412.546	1
41136_1136	41136	1136	-52.989	-13.661	-0.059	0.961	-2.625	-1028.283	1
41136_1137	41136	1137	72.437	-2.083	0.93	2.504	0.403	-395.534	1
41137_1137	41137	1137	-48.303	-17.473	0.039	0.221	-3.852	-1091.841	1
41137_1138	41137	1138	72.438	-2.083	0.839	2.01	7.119	-378.867	1
41138_1138	41138	1138	-37.538	-4.456	0.077	1.009	-3.568	-1140.074	1
41138_1139	41138	1139	73.594	-1.725	0.805	1.658	11.752	-368.244	1
41139_1139	41139	1139	-36.833	-7.819	0.156	-0.532	-2.738	-1173.497	1
41139_1140	41139	1140	75.104	-1.658	0.682	1.05	15.615	-358.266	1
41140_1140	41140	1140	-36.546	-11.162	0.163	-0.074	-1.28	-1186.447	1
41140_1141	41140	1141	77.061	-1.546	0.683	1.076	19.408	-348.523	1
41141_1141	41141	1141	-36.661	-14.433	0.106	2.307	0.3	-1178.649	1
41141_1142	41141	1142	78.481	-1.456	0.814	1.675	24.061	-339.598	1
41142_1142	41142	1142	-37.281	-15.163	0.129	-1.388	1.584	-1156.567	1
41142_1143	41142	1143	82.536	-0.913	0.924	0.889	30.701	-330.864	1
41143_1143	41143	1143	-38.759	-19.292	0.182	-0.822	4.129	-1119.588	1
41143_1144	41143	1144	37.144	2.551	-0.833	-1.655	-18.446	-327.941	1
41144_1144	41144	1144	-41.069	-23.109	0.169	1.055	7.543	-1061.789	1
41144_1145	41144	1145	35.079	2.612	-0.773	-1.197	-23.913	-348.65	1
41145_1145	41145	1145	-43.937	-25.65	3.955	-2.024	11.117	-981.806	1
41145_1146	41145	1146	68.631	12.507	1.018	1.666	32.617	-385.946	1
41146_1146	41146	1146	-47.039	-28.926	4.102	-1.439	45.432	-890.66	1
41146_1147	41146	1147	54.915	18.828	0.229	2.278	20.859	-505.716	1
41147_1147	41147	1147	-50.079	-31.911	4.217	-0.45	81.174	-774.916	1
41147_1148	41147	1148	44.611	26.193	-0.672	2.513	-5.929	-729.531	1
41148_1148	41148	1148	5.248	-3.034	-0.105	0.659	16.724	-409.996	1
41148_1149	41148	1149	30.963	-11.25	-0.649	2.465	40.746	-1156.422	1
41149_1149	41149	1149	28.765	0.765	-1.127	0.614	22.211	-627.704	1
41149_1150	41149	1150	31.246	-10.436	-0.674	0.495	32.421	-1025.672	1
41150_1150	41150	1150	34.754	-2.234	0.828	1.33	0.708	-876.836	1
41150_1151	41150	1151	31.25	-9.588	0.104	1.397	34.231	-898.228	1
41151_1151	41151	1151	41.049	-5.906	1.062	1.222	7.697	-1096.145	1
41151_1152	41151	1152	31.485	-8.785	0.081	-0.14	35.226	-784.844	1
41152_1152	41152	1152	46.206	-7.551	0.436	0.897	18.874	-1266.732	1
41152_1153	41152	1153	31.629	-8.139	-0.149	0.187	33.985	-717.669	1
41153_1153	41153	1153	49.435	-10.327	0.487	1.055	22.266	-1377.881	1
41153_1154	41153	1154	31.63	-7.867	-0.157	-0.251	31.89	-606.344	1
41154_1154	41154	1154	53.795	-12.916	-0.055	0.309	29.685	-1531.178	1
41154_1155	41154	1155	31.632	-7.663	-0.2	-0.29	29.689	-522.04	1
41155_1155	41155	1155	56.436	-17.648	-0.115	-0.164	29.581	-1640.558	1
41155_1156	41155	1156	31.631	-7.663	-0.229	-0.764	27.173	-437.73	1
41156_1156	41156	1156	58.217	-19.152	-0.038	-0.62	28.487	-1707.31	1
41156_1157	41156	1157	31.632	-7.555	-0.225	-0.637	24.915	-362.021	1
41157_1157	41157	1157	59.324	-23.753	-0.102	-1.372	28.437	-1754.363	1
41157_1158	41157	1158	31.364	-7.553	-0.258	-0.989	22.42	-286.399	1
41158_1158	41158	1158	59.863	-24.839	0.044	-1.753	27.666	-1756.93	1
41158_1159	41158	1159	26.41	6.636	0.209	0.863	24.315	-327.191	1
41159_1159	41159	1159	59.937	-29.589	-0.02	-2.492	28.562	-1749.346	1
41159_1160	41159	1160	26.41	6.636	0.183	0.543	26.148	-393.627	1
41160_1160	41160	1160	56.847	-14.261	0.12	-1.566	29.128	-1698.539	1
41160_1161	41160	1161	26.483	6.756	0.216	0.467	28.482	-467.961	1
41161_1161	41161	1161	54.687	-19.362	0.128	-0.528	30.529	-1627.833	1
41161_1162	41161	1162	26.483	6.756	0.216	0.467	30.863	-542.294	1
41162_1162	41162	1162	51.789	-21.057	-0.74	-2.529	31.504	-1514.553	1
41162_1163	41162	1163	26.486	6.926	0.052	0.088	31.583	-637.485	1
41163_1163	41163	1163	47.433	-26.407	-0.619	-1.225	22.133	-1357.552	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41163_1164	41163	1164	26.426	7.15	0.058	-0.031	32.066	-698.371	1
41164_1164	41164	1164	44.656	-26.802	-1.257	-2.683	17.946	-1237.651	1
41164_1165	41164	1165	26.309	7.715	-0.156	-0.159	30.238	-789.062	1
41165_1165	41165	1165	40.44	-30.276	-1.112	-2.109	6.553	-1071.178	1
41165_1166	41165	1166	26.306	8.398	-0.164	-1.011	27.641	-907.393	1
41166_1166	41166	1166	35.149	-33.631	1.735	-1.794	-0.427	-833.771	1
41166_1167	41166	1167	-62.132	28.615	-2.112	4.129	-16.995	-1102.183	1
41167_1167	41167	1167	30.352	-37.202	1.083	-1.749	21.146	-581.163	1
41167_1168	41167	1168	-62.331	33.845	-2.559	4.307	-51.076	-1490.352	1
41168_1168	41168	1168	-58.341	-1.871	-4.292	-0.314	125.028	-624.716	1
41168_1169	41168	1169	50.769	-20.207	-0.004	-2.192	15.259	-517.503	1
41169_1169	41169	1169	-54.178	-4.971	-4.246	1.05	80.908	-774.383	1
41169_1170	41169	1170	59.641	-14.926	-0.668	-1.842	25.105	-144.708	1
41170_1170	41170	1170	-50.877	-7.904	-4.163	1.703	44.875	-879.448	1
41170_1171	41170	1171	36.649	-2.65	1.918	1.88	-20.225	-353.705	1
41171_1171	41171	1171	-47.523	-10.338	-0.4	-1.099	10.255	-970.899	1
41171_1172	41171	1172	38.94	-2.321	0.913	1.347	-13.74	-334.858	1
41172_1172	41172	1172	-44.362	-13.797	-0.405	0.726	5.336	-1050.555	1
41172_1173	41172	1173	38.969	-2.32	0.963	1.775	-6.056	-316.317	1
41173_1173	41173	1173	-41.649	-17.564	-0.296	-0.059	0.867	-1108.879	1
41173_1174	41173	1174	42.997	-2.144	0.943	1.456	0.646	-297.863	1
41174_1174	41174	1174	-39.733	-19.43	-0.012	-2.033	-2.062	-1147.24	1
41174_1175	41174	1175	43.031	-1.83	0.668	0.848	4.648	-286.886	1
41175_1175	41175	1175	-38.76	-22.508	-0.07	0.185	-2.308	-1170.208	1
41175_1176	41175	1176	60.965	1.215	-0.551	-0.709	9.114	-285.627	1
41176_1176	41176	1176	-38.273	-25.745	-0.003	-1.284	-2.845	-1179.28	1
41176_1177	41176	1177	60.761	1.225	-0.652	-1.182	5.23	-292.917	1
41177_1177	41177	1177	-38.173	-29.052	0.002	-0.83	-2.921	-1167.832	1
41177_1178	41177	1178	60.761	1.225	-0.652	-1.182	1.318	-300.267	1
41178_1178	41178	1178	-43.652	-15.185	0.254	-0.159	-1.781	-1143.372	1
41178_1179	41178	1179	57.061	1.681	-0.846	-1.324	-4.834	-313.585	1
41179_1179	41179	1179	-46.837	-19.261	0.38	-0.92	1.369	-1104.048	1
41179_1180	41179	1180	57.06	1.681	-0.919	-1.724	-12.187	-327.034	1
41180_1180	41180	1180	-50.777	-23.018	0.434	-0.254	6.053	-1044.875	1
41180_1181	41180	1181	56.848	1.687	-0.917	-1.72	-19.46	-340.51	1
41181_1181	41181	1181	-55.179	-25.681	3.959	-2.406	11.587	-964.636	1
41181_1182	41181	1182	50.949	14.947	0.625	1.717	24.589	-677.257	1
41182_1182	41182	1182	-59.709	-28.883	4.095	-1.828	45.659	-873.156	1
41182_1183	41182	1183	43.728	20.827	-0.075	2.327	12.738	-503.266	1
41183_1183	41183	1183	-64.067	-31.787	4.145	-0.132	80.968	-756.838	1
41183_1184	41183	1184	39.806	26.624	-0.718	2.95	-9.196	-738.14	1
41184_1184	41184	1184	-13.808	-6.515	-0.22	-0.822	8.525	-463.73	1
41184_1185	41184	1185	-46.976	-30.042	2.041	-4.582	-11.823	-1105.911	1
41185_1185	41185	1185	19.737	2.402	-1	1.203	20.218	-540.907	1
41185_1186	41185	1186	14.943	-7.398	-0.539	1.339	28.324	-851.837	1
41186_1186	41186	1186	24.127	-0.727	0.878	0.97	-0.659	-810.25	1
41186_1187	41186	1187	15.11	-6.996	0.169	1.011	30.576	-758.996	1
41187_1187	41187	1187	28.847	-4.448	1.159	1.652	6.444	-1062.252	1
41187_1188	41187	1188	15.2	-6.606	0.168	0.223	32.702	-677.265	1
41188_1188	41188	1188	32.785	-6.315	0.613	0.632	18.342	-1262.754	1
41188_1189	41188	1189	15.309	-6.204	-0.064	0.025	32.169	-626.131	1
41189_1189	41189	1189	35.263	-9.124	0.717	1.73	23.097	-1394.156	1
41189_1190	41189	1190	15.001	-6.065	-0.063	0.043	31.693	-540.098	1
41190_1190	41190	1190	38.635	-11.982	0.051	-0.923	33.981	-1584.299	1
41190_1191	41190	1191	15.003	-5.914	-0.165	-0.698	29.879	-475.034	1
41191_1191	41191	1191	43.178	0.134	0.221	4.435	35.956	-1733.687	1
41191_1192	41191	1192	15.003	-5.914	-0.151	-0.266	28.215	-409.966	1
41192_1192	41192	1192	43.611	-1.684	0.07	1.857	38.426	-1825.201	1
41192_1193	41192	1193	15.003	-5.806	-0.166	-0.637	26.539	-351.259	1
41193_1193	41193	1193	43.639	-6.498	0.055	1.233	39.34	-1892.346	1
41193_1194	41193	1194	13.079	7.786	0.294	1.198	33.121	-383.357	1
41194_1194	41194	1194	43.303	-7.757	0.256	-0.447	39.907	-1908.764	1
41194_1195	41194	1195	13.078	7.908	0.352	1.095	36.679	-463.337	1
41195_1195	41195	1195	42.63	-12.497	0.279	0.743	42.704	-1911.331	1
41195_1196	41195	1196	13.841	7.926	0.349	1.104	39.947	-543.353	1
41196_1196	41196	1196	41.537	-13.883	0.063	-2.997	45.372	-1868.517	1
41196_1197	41196	1197	13.842	8.09	0.323	0.334	43.505	-632.375	1
41197_1197	41197	1197	39.91	-18.842	0.126	-0.052	45.904	-1801.131	1
41197_1198	41197	1198	14.184	8.098	0.334	0.922	46.989	-721.309	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41198_1198	41198	1198	37.732	-20.694	-0.853	-3.334	46.604	-1691.475	1
41198_1199	41198	1199	14.191	8.371	0.095	0.022	48.302	-836.447	1
41199_1199	41199	1199	34.464	-25.974	-0.727	-1.902	34.956	-1539.719	1
41199_1200	41199	1200	14.12	8.49	0.099	-0.156	49.118	-909.88	1
41200_1200	41200	1200	32.459	-26.803	-1.115	-3.679	29.454	-1418.872	1
41200_1201	41200	1201	13.984	8.89	-0.112	-0.523	47.799	-1014.378	1
41201_1201	41201	1201	29.499	-30.367	-0.988	-3.167	18.836	-1243.221	1
41201_1202	41201	1202	13.755	9.241	-0.113	-1.799	46.27	-1141.33	1
41202_1202	41202	1202	25.8	-33.877	1.844	-3.07	11.849	-993.96	1
41202_1203	41202	1203	13.497	9.588	0.831	-1.947	56.71	-1261.517	1
41203_1203	41203	1203	22.622	-37.418	1.17	-2.651	32.527	-724.669	1
41203_1204	41203	1204	13.911	10.023	0.841	-3.413	66.041	-1387.148	1
41204_1204	41204	1204	-62.263	-3.871	-4.969	-1.037	159.153	-742.404	1
41204_1205	41204	1205	57.248	-19.156	-0.904	-3.146	40.333	-588.4	1
41205_1205	41205	1205	-57.724	-6.748	-4.921	1.75	105.816	-873.143	1
41205_1206	41205	1206	70.106	-13.077	-1.883	-1.69	52.289	-449.186	1
41206_1206	41206	1206	-54.155	-9.443	-4.789	2.473	62.652	-960.372	1
41206_1207	41206	1207	83.69	-4.651	-3.009	-0.719	54.284	-377.062	1
41207_1207	41207	1207	-50.611	-11.717	-0.956	-0.293	21.529	-1036.431	1
41207_1208	41207	1208	79.514	-2.618	-1.577	-1.541	44.55	-349.04	1
41208_1208	41208	1208	-47.248	-14.919	-0.803	-0.842	10.877	-1102.505	1
41208_1209	41208	1209	74.735	-1.76	-1.661	-1.838	31.856	-332.177	1
41209_1209	41209	1209	-44.341	-18.404	-0.707	-0.04	2.221	-1150.154	1
41209_1210	41209	1210	68.191	-1.041	-1.615	-1.691	19.324	-321.078	1
41210_1210	41210	1210	-42.26	-20.289	-0.176	-0.941	-4.606	-1181.633	1
41210_1211	41210	1211	67.197	-0.738	-1.08	-1.76	12.927	-316.227	1
41211_1211	41211	1211	-41.172	-23.153	-0.071	-2.379	-5.989	-1200.343	1
41211_1212	41211	1212	64.329	-0.529	-1.184	-2.224	6.067	-312.727	1
41212_1212	41212	1212	-40.584	-26.156	-0.038	-1.842	-6.549	-1206.856	1
41212_1213	41212	1213	60.616	-0.317	-1.167	-2.133	-0.572	-309.699	1
41213_1213	41213	1213	-43.734	-13.569	0.088	2.745	-4.725	-1199.763	1
41213_1214	41213	1214	58.156	0.953	1.303	2.357	24.706	-314.494	1
41214_1214	41214	1214	-45.683	-14.62	0.665	-1.599	-3.377	-1181.725	1
41214_1215	41214	1215	63.457	1.795	1.654	1.589	37.142	-325.43	1
41215_1215	41215	1215	-48.884	-18.387	0.726	0.562	4.252	-1149.627	1
41215_1216	41215	1216	66.511	2.407	1.738	2.091	50.342	-341.771	1
41216_1216	41216	1216	-52.859	-21.871	0.885	-0.081	13.273	-1101.628	1
41216_1217	41216	1217	71.657	4.913	1.573	1.97	59.026	-370.737	1
41217_1217	41217	1217	-57.343	-24.425	4.436	-2.761	24.312	-1035.191	1
41217_1218	41217	1218	60.904	12.993	1.912	2.054	55.215	-443.575	1
41218_1218	41218	1218	-61.952	-27.403	4.639	-1.989	64.427	-958.319	1
41218_1219	41218	1219	50.612	19.084	0.935	2.891	42.863	-567.985	1
41219_1219	41219	1219	-66.398	-30.11	4.826	-0.6	106.688	-853.918	1
41219_1220	41219	1220	44.359	24.713	0.034	3.248	20.219	-788.579	1
41220_1220	41220	1220	-18.163	-7.136	-0.194	-0.492	-9.385	-475.888	1
41220_1221	41220	1221	7.107	-7.726	-1.213	6.833	54.753	-1205.655	1
41221_1221	41221	1221	14.296	2.613	-1.375	0.576	30.214	-688.957	1
41221_1222	41221	1222	6.883	-7.488	-1.246	-0.369	40.53	-1111.381	1
41222_1222	41222	1222	17.849	-0.697	0.947	3.734	5.168	-974.921	1
41222_1223	41222	1223	6.809	-7.779	0.28	3.798	44.383	-1007.868	1
41223_1223	41223	1223	21.905	-4.171	1.118	0.357	13.894	-1240.637	1
41223_1224	41223	1224	7.003	-7.605	0.253	-1.28	47.528	-916.217	1
41224_1224	41224	1224	25.42	-6.615	0.593	4.467	26.061	-1455.182	1
41224_1225	41224	1225	7.125	-7.716	-0.196	2.348	45.848	-852.478	1
41225_1225	41225	1225	27.728	-10.573	0.58	-0.213	31.16	-1597.052	1
41225_1226	41225	1226	6.847	-7.645	-0.226	-1.141	42.42	-726.849	1
41226_1226	41226	1226	35.793	4.546	0.008	6.962	44.857	-1835.62	1
41226_1227	41226	1227	6.846	-7.696	-0.233	0.964	39.546	-631.777	1
41227_1227	41227	1227	37.268	-0.824	-0.18	-0.953	45.324	-1986.506	1
41227_1228	41227	1228	6.726	-7.692	-0.267	-2.112	36.305	-536.894	1
41228_1228	41228	1228	38.269	-3.64	0.129	3.713	43	-2067.945	1
41228_1229	41228	1229	16.711	8.926	0.284	2.645	34.843	-463.031	1
41229_1229	41229	1229	38.828	-9.04	0.017	-1.499	44.616	-2111.279	1
41229_1230	41229	1230	17.357	8.948	0.227	1.15	37.488	-573.232	1
41230_1230	41230	1230	38.356	-29.408	-0.366	-1.654	44.545	-2084.968	1
41230_1231	41230	1231	17.368	9.021	-0.087	2.458	36.412	-684.307	1
41231_1231	41231	1231	38.873	-34.75	-0.526	-6.418	39.915	-2024.334	1
41231_1232	41231	1232	17.367	9.021	-0.144	0.226	34.639	-795.485	1
41232_1232	41232	1232	37.281	-20.072	-1.137	0.854	30.559	-1902.193	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41232_1233	41232	1233	17.37	9.161	-0.279	2.775	31.879	-885.825	1
41233_1233	41233	1233	35.826	-23.832	-1.236	-3.494	18.409	-1793.093	1
41233_1234	41233	1234	17.369	9.161	-0.334	-0.046	28.041	-990.96	1
41234_1234	41234	1234	33.697	-27.71	-1.316	-9.218	4.248	-1633.028	1
41234_1235	41234	1235	17.331	9.23	-0.413	-4.638	26.726	-1020.339	1
41235_1235	41235	1235	33.325	-27.279	1.593	-1.511	0.437	-1582.315	1
41235_1236	41235	1236	17.116	9.511	0.756	1.06	32.178	-1088.008	1
41236_1236	41236	1236	31.566	-29.694	1.475	-3.535	12.444	-1473.148	1
41236_1237	41236	1237	17.475	9.495	0.722	-1.125	38.792	-1180.172	1
41237_1237	41237	1237	29.682	-32.003	1.3	-5.846	26.764	-1315.807	1
41237_1238	41237	1238	17.262	9.88	0.673	-4.961	41.85	-1234.462	1
41238_1238	41238	1238	29.007	-29.564	-5.088	-1.829	32.864	-1228.019	1
41238_1239	41238	1239	17.778	11.376	-3.245	-0.094	6.712	-1356.012	1
41239_1239	41239	1239	26.52	-32.616	-5.207	-2.939	-23.328	-1047.438	1
41239_1240	41239	1240	17.528	11.742	-3.298	-4.142	-29.712	-1484.618	1
41240_1240	41240	1240	22.115	-28.542	9.194	-19.297	-81.38	-834.705	1
41240_1241	41240	1241	16.037	16.447	6.498	-15.748	46.218	-1680.738	1
41241_1241	41241	1241	-68.95	-10.674	3.805	15.548	64.107	-995.465	1
41241_1242	41241	1242	80.168	-16.752	1.443	4.565	62.472	-689.775	1
41242_1242	41242	1242	-65.018	-13.614	3.775	15.112	97.603	-1055.27	1
41242_1243	41242	1243	82.985	-15.771	1.517	4.496	72.788	-634.07	1
41243_1243	41243	1243	-63.033	-10.805	-5.149	0.721	108.13	-1073.411	1
41243_1244	41243	1244	93.545	-7.908	-3.382	-1.527	73.709	-532.046	1
41244_1244	41244	1244	-59.392	-13.722	-4.905	-1.72	56.073	-1146.644	1
41244_1245	41244	1245	88.38	-5.119	-3.807	-2.894	38.126	-464.952	1
41245_1245	41245	1245	-55.85	-16.562	-0.984	-0.082	0.83	-1206.802	1
41245_1246	41245	1246	81.317	-3.478	-1.405	-2.183	25.294	-423.641	1
41246_1246	41246	1246	-52.97	-20.222	-0.767	-2.731	-11.459	-1249.637	1
41246_1247	41246	1247	76.808	-2.891	-1.654	-3.395	9.107	-392.194	1
41247_1247	41247	1247	-51.202	-23.411	-0.008	-1.245	-20.843	-1273.811	1
41247_1248	41247	1248	61.091	2.386	0.965	3.418	16.084	-397.911	1
41248_1248	41248	1248	-52.924	-10.159	-0.021	-0.017	-22.339	-1280.453	1
41248_1249	41248	1249	64.045	2.773	0.839	2.765	24.525	-424.46	1
41249_1249	41249	1249	-56.135	-14.052	3.199	1.892	-21.509	-1269.172	1
41249_1250	41249	1250	69.222	3.673	1.98	3.619	43.966	-456.98	1
41250_1250	41250	1250	-60.257	-18.21	3.428	-1.699	13.851	-1234.464	1
41250_1251	41250	1251	73.495	4.904	1.678	2.028	58.252	-495.879	1
41251_1251	41251	1251	-64.776	-17.955	1.638	1.354	46.693	-1185.261	1
41251_1252	41251	1252	76.977	8.006	2.83	3.504	80.399	-560.697	1
41252_1252	41252	1252	-70.394	-21.709	2.343	-0.941	68.617	-1147.831	1
41252_1253	41252	1253	67.206	15.467	2.145	2.409	74.287	-690.725	1
41253_1253	41253	1253	-76.667	-25.59	2.821	1.165	105.696	-1071.359	1
41253_1254	41253	1254	64.52	16.873	2.079	3.043	73.335	-742.733	1
41254_1254	41254	1254	-78.225	-22.332	-2.316	-27.287	117.934	-1045.625	1
41254_1255	41254	1255	59.693	20.266	-1.174	-4.797	49.275	-861.15	1
41255_1255	41255	1255	10.844	-0.224	-5.452	11.381	41.606	-622.688	1
41255_1256	41255	1256	9.03	-12.229	-5.341	12.873	26.506	-1509.735	1
41256_1256	41256	1256	12.818	-2.243	-6.164	11.482	-1.48	-785.909	1
41256_1257	41256	1257	9.208	-12.086	-5.361	9.471	-11.945	-1422.035	1
41257_1257	41257	1257	14.76	0.675	0.886	2.028	-48.489	-919.935	1
41257_1258	41257	1258	9.378	-9.483	0.302	4.463	-8.283	-1323.773	1
41258_1258	41258	1258	17.492	-1.624	0.57	1.096	-45.244	-1138.887	1
41258_1259	41258	1259	9.064	-9.212	0.311	0.732	-3.17	-1206.705	1
41259_1259	41259	1259	20.674	-4.455	3.796	3.261	-49.163	-1373.824	1
41259_1260	41259	1260	9.127	-9.427	2.093	2.637	18.876	-1102.813	1
41260_1260	41260	1260	23.502	-7.22	4.126	1.509	-12.395	-1558.568	1
41260_1261	41260	1261	9.28	-9.281	2.072	-0.121	38.519	-1015.093	1
41261_1261	41261	1261	25.934	-10.024	4.363	2.149	26.978	-1710.538	1
41261_1262	41261	1262	9.363	-9.199	2.067	-0.766	45.064	-986.885	1
41262_1262	41262	1262	26.799	-10.272	-0.075	4.022	41.182	-1758.204	1
41262_1263	41262	1263	9.416	-9.362	-0.32	1.605	41.502	-882.7	1
41263_1263	41263	1263	29.343	-14.094	-0.184	-0.897	41.708	-1908.954	1
41263_1264	41263	1264	9.415	-9.362	-0.353	-1.486	37.285	-770.973	1
41264_1264	41264	1264	35.655	1.5	-0.103	5.524	41.709	-2035.392	1
41264_1265	41264	1265	9.219	-9.234	-0.214	0.302	34.91	-663.98	1
41265_1265	41265	1265	37.106	-3.299	-0.269	-0.6	40.682	-2137.391	1
41265_1266	41265	1266	9.218	-9.234	-0.247	-2.086	32.074	-557.958	1
41266_1266	41266	1266	38.216	-6.071	-0.283	2.388	37.337	-2182.73	1
41266_1267	41266	1267	27.315	8.948	-0.041	2.571	26.307	-488.853	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41267_1267	41267	1267	37.057	-28.751	-0.322	-4.197	34.898	-2192.616	1
41267_1268	41267	1268	27.314	8.948	-0.108	1.365	25.076	-590.584	1
41268_1268	41268	1268	38.188	-31.76	-0.543	-2.055	29.627	-2149.703	1
41268_1269	41268	1269	27.314	8.944	-0.16	2.488	22.985	-707.314	1
41269_1269	41269	1269	39.043	-37.172	-0.767	-6.877	19.668	-2054.692	1
41269_1270	41269	1270	27.313	8.944	-0.249	0.182	20.129	-809.742	1
41270_1270	41270	1270	38.476	-22.452	3.367	-0.355	3.378	-1923.075	1
41270_1271	41270	1271	27.314	8.816	1.308	2.145	32.118	-890.547	1
41271_1271	41271	1271	37.478	-25.675	3.109	-3.739	32.233	-1801.879	1
41271_1272	41271	1272	27.318	8.816	1.238	-0.133	45.934	-988.918	1
41272_1272	41272	1272	35.842	-29.071	2.753	-6.52	61.55	-1631.835	1
41272_1273	41272	1273	27.277	8.951	1.169	-2.82	50.797	-1027.339	1
41273_1273	41273	1273	35.246	-25.113	-0.966	-0.732	70.354	-1560.89	1
41273_1274	41273	1274	27.155	10.643	0.148	1.493	52.014	-1112.065	1
41274_1274	41274	1274	33.9	-27.404	-0.762	-2.705	59.075	-1458.317	1
41274_1275	41274	1275	27.087	11.015	0.098	-0.819	52.476	-1198.702	1
41275_1275	41275	1275	32.375	-29.647	-0.617	-7.41	51.299	-1346.915	1
41275_1276	41275	1276	26.952	11.34	-0.003	-5.881	52.271	-1252.042	1
41276_1276	41276	1276	31.454	-27.033	-9.789	-2.235	48.468	-1279.585	1
41276_1277	41276	1277	26.618	13.633	-7.94	-0.145	-40.841	-1412.422	1
41277_1277	41277	1277	28.845	-30.5	-9.697	-3.374	-66.33	-1099.858	1
41277_1278	41277	1278	26.26	14.252	-8.046	-4.636	-144.169	-1594.692	1
41278_1278	41278	1278	25.032	-27.449	16.282	-25.436	-182.688	-857.46	1
41278_1279	41278	1279	25.422	19.952	15.177	-22.903	-0.302	-1786.689	1
41279_1279	41279	1279	-59.4	-11.267	8.177	14.323	-5.46	-1037.493	1
41279_1280	41279	1280	87.856	-18.261	4.688	4.616	56.171	-705.708	1
41280_1280	41280	1280	-56.18	-13.976	7.853	13.645	69.229	-1082.55	1
41280_1281	41280	1281	94.843	-16.505	5.329	5.152	91.893	-603.734	1
41281_1281	41281	1281	-54.395	-13.811	-4.46	0.742	107.79	-1083.151	1
41281_1282	41281	1282	111.528	-9.891	-4.686	-0.593	61.404	-481.188	1
41282_1282	41282	1282	-50.875	-17.901	-3.763	-1.653	47.036	-1127.526	1
41282_1283	41282	1283	107.466	-7.08	-5.06	-1.772	0.192	-379.063	1
41283_1283	41283	1283	-48.367	-19.167	-0.036	-0.069	2.235	-1140.546	1
41283_1284	41283	1284	51.724	2.783	0.243	2.418	8.795	-402.702	1
41284_1284	41284	1284	-47.777	-24.291	0.091	-2.683	2.18	-1172.555	1
41284_1285	41284	1285	54.486	3.185	0.051	1.211	8.938	-435.275	1
41285_1285	41285	1285	-55.745	-9.284	0.326	1.728	1.715	-1178.121	1
41285_1286	41285	1286	58.813	3.976	2.065	2.386	30.812	-476.479	1
41286_1286	41286	1286	-61.274	-14.186	0.806	-0.904	7.671	-1186.736	1
41286_1287	41286	1287	62.848	5.08	1.968	1.123	50.871	-524.488	1
41287_1287	41287	1287	-67.566	-15.802	1.326	1.539	20.747	-1164.242	1
41287_1288	41287	1288	67.107	7.852	1.395	2.708	67.348	-608.761	1
41288_1288	41288	1288	-76.773	-20.734	1.935	-1.33	47.864	-1143.83	1
41288_1289	41288	1289	63.988	12.85	1.037	0.938	68.734	-719.125	1
41289_1289	41289	1289	-84.923	-22.357	-3.526	-5.369	80.063	-1097.088	1
41289_1290	41289	1290	59.372	15.447	-1.884	-0.573	52.117	-775.161	1
41290_1290	41290	1290	-87.882	-23.684	-3.599	-6.992	68.644	-1076.986	1
41290_1291	41290	1291	54.373	18.434	-1.628	-1.052	26.608	-940.881	1
41291_1291	41291	1291	4.442	0.545	-5.706	11.225	-17.995	-667.29	1
41291_1292	41291	1292	2.581	-9.157	-4.562	9.152	-22.332	-1639.084	1
41292_1292	41292	1292	5.276	3.282	3.207	2.043	-63.558	-843.883	1
41292_1293	41292	1293	2.954	-7.432	1.505	4.855	-2.664	-1544.947	1
41293_1293	41293	1293	6.075	0.616	3.218	-1.24	-27.205	-1189.999	1
41293_1294	41293	1294	3.08	-7.304	1.486	-2.118	14.751	-1462.858	1
41294_1294	41294	1294	9.016	19.003	0.479	7.825	-1.441	-1495.432	1
41294_1295	41294	1295	3.21	-7.88	0.047	5.722	14.8	-1407.285	1
41295_1295	41295	1295	9.072	16.984	0.503	1.559	1.416	-1691.926	1
41295_1296	41295	1296	3.344	-7.824	0.033	-0.145	15.2	-1350.66	1
41296_1296	41296	1296	9.25	14.803	0.537	0.145	5.192	-1883.686	1
41296_1297	41296	1297	3.433	-7.785	0.03	-1.733	15.458	-1282.189	1
41297_1297	41297	1297	9.641	13.859	0.213	8.192	10.593	-2105.467	1
41297_1298	41297	1298	3.317	-7.536	0.156	3.575	16.265	-1251.613	1
41298_1298	41298	1298	9.804	12.485	0.172	5.044	11.836	-2210.549	1
41298_1299	41298	1299	3.318	-7.536	0.15	1.594	17.539	-1188.717	1
41299_1299	41299	1299	10.098	9.535	0.072	-1.957	13.71	-2409.161	1
41299_1300	41299	1300	3.318	-7.536	0.14	-2.213	19.214	-1098.397	1
41300_1300	41300	1300	10.414	7.625	-0.279	6.549	14.002	-2645.916	1
41300_1301	41300	1301	3.318	-7.43	-0.241	1.597	16.043	-1000.589	1
41301_1301	41301	1301	10.636	2.853	-0.369	-3.959	9.844	-2867.243	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41301_1302	41301	1302	3.245	-7.416	-0.255	-2.41	13.213	-916.475	1
41302_1302	41302	1302	10.705	1.463	-0.184	6.926	5.067	-2996.486	1
41302_1303	41302	1303	3.245	-7.191	-0.242	1.128	9.956	-819.668	1
41303_1303	41303	1303	10.646	-3.616	-0.28	-6.736	2.226	-3105.137	1
41303_1304	41303	1304	3.243	-7.191	-0.257	-2.717	7.116	-740.271	1
41304_1304	41304	1304	10.709	-23.552	-0.229	3.553	-0.443	-3140.784	1
41304_1305	41304	1305	3.242	-6.954	-0.34	0.345	2.676	-649.407	1
41305_1305	41305	1305	10.636	-28.414	-0.315	-7.811	-4.425	-3166.238	1
41305_1306	41305	1306	3.043	-6.93	-0.354	-2.227	-1.332	-569.956	1
41306_1306	41306	1306	10.439	-29.574	-0.306	2.124	-8.744	-3111.72	1
41306_1307	41306	1307	3.041	-6.631	-0.489	-0.137	-7.13	-491.298	1
41307_1307	41307	1307	10.082	-34.258	-0.368	-7.402	-12.501	-3015.42	1
41307_1308	41307	1308	3.04	-6.631	-0.499	-1.853	-13.44	-407.509	1
41308_1308	41308	1308	9.522	-36.419	-0.238	0.444	-16.891	-2815.501	1
41308_1309	41308	1309	3	-6.35	-0.31	-0.559	-17.213	-330.246	1
41309_1309	41309	1309	8.782	-41.668	-0.323	-8.384	-19.071	-2557.561	1
41309_1310	41309	1310	2.818	-6.323	-0.323	-1.814	-21.227	-251.984	1
41310_1310	41310	1310	7.807	-45.25	0.794	-2.009	-22.103	-2182.289	1
41310_1311	41310	1311	2.635	-6.329	0.171	-0.946	-19.061	-170.762	1
41311_1311	41311	1311	7.208	-57.491	0.707	-7.909	-11.498	-1711.223	1
41311_1312	41311	1312	1.991	-6.188	-0.005	-1.53	-21.103	-90.561	1
41312_1312	41312	1312	5.788	-63.339	0.152	-4.445	-2.731	-1100.387	1
41312_1313	41312	1313	-10.711	25.494	0.33	6.197	0	-67.281	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
1000_1000	1000	1000	5.8335	34.8315	-0.306	1.695	0	19.902	1
1000_1001	1000	1001	110.2845	-84.8985	0.2505	-1.1895	4.2495	906.699	1
1001_1001	1001	1001	8.7165	-7.521	0.387	-0.381	6.582	76.1385	1
1001_1002	1001	1002	163.4565	-76.3515	0.279	-1.8555	7.7955	1339.227	1
1002_1002	1002	1002	15.1425	-7.8255	-0.5025	-0.354	10.3215	130.3935	1
1002_1003	1002	1003	211.9515	-62.514	-0.162	-1.0965	6.0435	1732.682	1
1003_1003	1003	1003	22.659	-7.8255	-0.5025	-0.3915	4.1985	191.094	1
1003_1004	1003	1004	248.769	-53.856	-0.1695	-1.6485	4.0275	2032.535	1
1004_1004	1004	1004	30.2025	-7.812	-0.216	-0.315	-1.911	252.03	1
1004_1005	1004	1005	278.208	-51.363	-0.0975	-0.8205	2.214	2272.103	1
1005_1005	1005	1005	37.7205	-7.8525	-0.2145	-0.378	-4.4775	313.4775	1
1005_1006	1005	1006	295.9305	-43.6065	-0.0795	-1.425	0.489	2416.499	1
1006_1006	1006	1006	45.2685	-8.151	-0.1185	-0.27	-7.1025	374.3835	1
1006_1007	1006	1007	309.864	-43.0455	-0.0585	-0.441	-1.2855	2529.816	1
1007_1007	1007	1007	53.097	-8.151	-0.1185	-0.354	-8.547	437.604	1
1007_1008	1007	1008	313.866	-35.8125	-0.03	-1.0845	-2.6715	2562.495	1
1008_1008	1008	1008	60.924	-8.481	-0.108	-0.2175	-9.9945	500.808	1
1008_1009	1008	1009	315.8325	-35.892	-0.066	-0.1065	-4.6395	2578.406	1
1009_1009	1009	1009	69.063	-8.481	-0.108	-0.312	-11.3025	566.5515	1
1009_1010	1009	1010	309.459	-3.8115	-0.0795	-0.3525	-4.857	2526.921	1
1010_1010	1010	1010	77.2095	-8.9145	-0.1125	-0.06	-12.615	632.3415	1
1010_1011	1010	1011	304.3785	-3.8415	-0.1365	0.9015	-7.164	2485.88	1
1011_1011	1011	1011	85.7715	-8.925	-0.1125	-0.3465	-13.938	701.637	1
1011_1012	1011	1012	290.85	3.2595	-0.105	-0.318	-8.9055	2376.296	1
1012_1012	1012	1012	94.335	-9.3975	-0.1005	-0.198	-15.3075	770.8035	1
1012_1013	1012	1013	275.4585	3.8895	-0.1695	0.4305	-11.4675	2251.367	1
1013_1013	1013	1013	103.3605	-9.3975	-0.1005	-0.036	-16.527	843.6975	1
1013_1014	1013	1014	252.4035	10.827	-0.129	0.618	-13.194	2064.282	1
1014_1014	1014	1014	112.3845	-9.474	-0.039	-0.1275	-17.7435	916.5855	1
1014_1015	1014	1015	215.0835	15.7005	0.036	0.5805	-12.501	1761.231	1
1015_1015	1015	1015	137.019	-9.0885	-0.0255	0.192	-12.363	1035.509	1
1015_1016	1015	1016	206.295	20.5365	0.033	0.528	-7.938	1614.149	1
1016_1016	1016	1016	140.4495	-8.631	0.0525	0.0225	-12.5895	1089.927	1
1016_1017	1016	1017	155.7285	24.1365	0.3135	0.357	-4.0755	1365.417	1
1017_1017	1017	1017	135.3855	-8.385	0.057	0.4755	-11.742	1185.578	1
1017_1018	1017	1018	98.7675	1.881	0.1995	0.3435	-2.1885	1075.668	1
1018_1018	1018	1018	121.335	-8.0325	-0.2115	0.2085	-11.0205	1301.81	1
1018_1019	1018	1019	55.098	6.153	-0.2535	0.2205	-6.627	774.051	1
1019_1019	1019	1019	104.2545	-8.2395	-0.2115	0.8685	-13.6125	1418.771	1
1019_1020	1019	1020	32.163	-2.442	-0.039	0.315	-6.7635	561.7785	1
1020_1020	1020	1020	60.504	38.553	-0.078	0.273	-2.1015	759.6615	1
1020_1021	1020	1021	174.27	-31.8465	1.1715	0.018	-26.0985	749.3535	1
1021_1021	1021	1021	35.7495	34.1745	0.03	0.2415	-4.3485	524.1465	1
1021_1022	1021	1022	178.8225	-28.437	0.8775	-0.093	-12.444	801.3495	1
1022_1022	1022	1022	13.821	30.1125	0.12	0.267	-5.64	390.909	1
1022_1023	1022	1023	181.7805	-34.14	0.795	-0.099	-4.353	893.253	1
1023_1023	1023	1023	4.095	0.5085	0.1005	0.0375	-5.682	138.5445	1
1023_1024	1023	1024	184.074	-30.66	0.123	0.0135	-2.61	945.519	1
1024_1024	1024	1024	3.726	0.5085	0.1005	0.0375	-4.872	135.954	1
1024_1025	1024	1025	184.8195	-25.848	0.105	-0.0495	-1.143	983.226	1
1025_1025	1025	1025	3.3585	0.5085	0.105	0.054	-4.062	133.365	1
1025_1026	1025	1026	184.5855	-20.5845	0.0765	0.009	-0.069	1007.658	1
1026_1026	1026	1026	2.9895	0.504	0.096	0.0345	-3.2265	130.776	1
1026_1027	1026	1027	184.482	-19.3755	0.033	-0.018	0.3225	1022.711	1
1027_1027	1027	1027	3.309	-0.9885	-0.0255	-0.048	1.644	-78.2835	1
1027_1028	1027	1028	183.4875	-15.186	0.015	0.129	0.5535	1027.608	1
1028_1028	1028	1028	3.849	-1.002	-0.0255	-0.0465	1.527	-76.1985	1
1028_1029	1028	1029	180.741	-10.902	0.0075	0.0675	0.69	1017.054	1
1029_1029	1029	1029	4.401	-1.0275	-0.0285	-0.0495	1.419	-75.4035	1
1029_1030	1029	1030	179.5275	-28.4475	-0.036	-0.1155	0.4935	1002.957	1
1030_1030	1030	1030	4.9665	-1.056	-0.039	-0.051	1.278	-74.124	1
1030_1031	1030	1031	178.131	-25.9365	-0.093	0.0075	-0.351	977.8005	1
1031_1031	1031	1031	5.742	-1.0815	-0.042	-0.054	0.9765	-71.7285	1
1031_1032	1031	1032	175.647	-21.0825	-0.111	-0.039	-1.5315	938.967	1
1032_1032	1032	1032	6.537	-1.122	-0.0465	-0.0555	0.618	-71.2125	1
1032_1033	1032	1033	171.48	-16.65	-0.1275	-0.105	-2.9925	884.643	1
1033_1033	1033	1033	7.35	-1.2465	-0.084	-0.0285	0.249	-65.496	1
1033_1034	1033	1034	166.257	-13.272	-0.843	-0.132	-10.1235	820.7505	1
1034_1034	1034	1034	8.2425	-1.2825	-0.09	-0.0375	-0.477	-63.081	1
1034_1035	1034	1035	159.774	-9.5295	-0.885	-0.1275	-17.802	747.456	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1035_1035	1035	1035	19.992	-37.074	0.0855	0.084	-3.123	497.424	1
1035_1036	1035	1036	150.324	-16.2	-1.2885	0.276	-37.362	638.6175	1
1036_1036	1036	1036	134.3745	53.0775	-0.516	1.098	14.304	1543.313	1
1036_1037	1036	1037	38.0355	9.3735	0.0705	0.156	0.4995	375.0045	1
1037_1037	1037	1037	123.162	48.144	-0.456	0.849	7.677	1088.094	1
1037_1038	1037	1038	58.407	-50.43	0.333	-0.3675	-1.518	949.443	1
1038_1038	1038	1038	105.6645	41.5215	0.1725	0.777	2.841	719.6325	1
1038_1039	1038	1039	101.913	-45.525	-0.2565	-0.477	-3.813	1175.517	1
1039_1039	1039	1039	88.965	11.154	-0.093	-0.069	-8.6895	1001.643	1
1039_1040	1039	1040	139.578	-40.5255	-0.2775	-0.3555	-6.7515	1339.089	1
1040_1040	1040	1040	89.0835	10.8555	0.054	-0.0885	-9.7815	899.031	1
1040_1041	1040	1041	159.309	-38.976	-0.081	-0.2745	-7.4295	1458.771	1
1041_1041	1041	1041	97.1925	10.629	0.027	-0.0045	-4.4655	771.8445	1
1041_1042	1041	1042	209.082	-30.1215	-0.048	-0.2445	-4.401	1535.148	1
1042_1042	1042	1042	80.424	10.392	0.0075	0.012	-4.035	665.4915	1
1042_1043	1042	1043	227.61	-51.9765	-0.009	-0.3255	-4.7415	1656.344	1
1043_1043	1043	1043	68.3775	10.392	0.009	0.0555	-3.9465	589.1805	1
1043_1044	1043	1044	241.563	-44.742	-0.006	-0.291	-4.8195	1739.676	1
1044_1044	1044	1044	56.352	10.2495	0.0165	0.054	-3.84	511.7895	1
1044_1045	1044	1045	253.203	-42.4455	0.0015	-0.2235	-4.797	1806.351	1
1045_1045	1045	1045	44.4705	10.2495	0.0195	0.087	-3.639	436.5315	1
1045_1046	1045	1046	256.2	-35.2155	0.003	-0.1785	-4.7325	1816.812	1
1046_1046	1046	1046	54.2295	-10.395	-0.027	-0.0825	-3.6765	376.6065	1
1046_1047	1046	1047	256.767	-33.138	-0.0075	-0.093	-4.7925	1810.632	1
1047_1047	1047	1047	66.3675	-10.4805	-0.027	-0.051	-4.023	455.733	1
1047_1048	1047	1048	249.3585	-26.136	-0.0045	-0.0585	-4.7985	1752.684	1
1048_1048	1048	1048	78.6165	-10.6935	-0.0225	-0.0765	-4.3545	536.901	1
1048_1049	1048	1049	239.268	-24.039	0	-0.0465	-4.749	1676.691	1
1049_1049	1049	1049	91.017	-10.6935	-0.0225	0.012	-4.6335	615.4515	1
1049_1050	1049	1050	223.2675	-17.472	0.0045	0.099	-4.569	1561.508	1
1050_1050	1050	1050	103.413	-10.836	-0.0255	-0.027	-4.8945	694.3905	1
1050_1051	1050	1051	198.267	-14.7585	0.0315	0.0645	-3.825	1381.934	1
1051_1051	1051	1051	114.918	-10.7505	-0.0285	0.168	-6.027	835.9155	1
1051_1052	1051	1052	168.348	-8.784	0.033	0.288	-4.0155	1317.59	1
1052_1052	1052	1052	120.4305	-10.284	0.024	0.03	-6.2625	896.586	1
1052_1053	1052	1053	131.5425	-5.5425	0.144	0.159	-2.292	1154.414	1
1053_1053	1053	1053	108.459	-10.509	0.033	0.5565	-8.1405	1053.539	1
1053_1054	1053	1054	75.54	-0.4935	0.1575	0.45	-1.3665	995.7795	1
1054_1054	1054	1054	99.396	-31.809	0.2505	-0.801	1.9305	643.92	1
1054_1055	1054	1055	53.5725	-7.287	-0.021	-0.2145	1.5885	328.866	1
1055_1055	1055	1055	113.6115	-39.075	0.333	-1.059	5.6595	1003.287	1
1055_1056	1055	1056	53.178	-6.258	-0.024	-0.219	1.29	398.9475	1
1056_1056	1056	1056	42.2565	38.676	-0.0735	0.5025	-0.8025	691.1925	1
1056_1057	1056	1057	173.2395	-41.0085	0.786	-0.0885	-16.0905	840.573	1
1057_1057	1057	1057	15.144	31.3005	0.0555	0.513	-4.2165	505.977	1
1057_1058	1057	1058	179.139	-37.215	0.675	-0.1575	-8.2455	926.55	1
1058_1058	1058	1058	13.569	-0.534	-0.1005	-0.216	2.7315	157.08	1
1058_1059	1058	1059	183.5325	-33.081	0.6435	-0.2805	-2.4675	997.311	1
1059_1059	1059	1059	13.9155	-0.4305	-0.099	-0.234	1.956	159.8325	1
1059_1060	1059	1060	186.903	-29.679	0.0825	-0.1365	-1.2975	1058.411	1
1060_1060	1060	1060	14.205	-0.4305	-0.0975	-0.1965	1.1655	162.1275	1
1060_1061	1060	1061	188.5545	-24.8655	0.063	-0.0375	-0.3735	1102.08	1
1061_1061	1061	1061	14.4975	-0.4455	-0.09	-0.1425	0.291	152.4645	1
1061_1062	1061	1062	189.024	-19.6515	0.042	0.111	0.276	1130.106	1
1062_1062	1062	1062	14.7975	-0.501	-0.09	-0.198	-0.432	154.8375	1
1062_1063	1062	1063	189.2985	-18.4935	0.0255	-0.093	0.5475	1146.804	1
1063_1063	1063	1063	15.048	-0.501	-0.0885	-0.15	-0.969	156.837	1
1063_1064	1063	1064	188.628	-14.3955	0.012	0.159	0.7005	1152.141	1
1064_1064	1064	1064	15.3	-0.501	-0.0885	-0.147	-1.5	158.832	1
1064_1065	1064	1065	187.239	-32.454	-0.0195	-0.255	0.6465	1145.528	1
1065_1065	1065	1065	15.5505	-0.501	-0.087	-0.0945	-2.0325	160.83	1
1065_1066	1065	1066	186.1845	-28.5495	-0.0345	0.0015	0.3945	1127.478	1
1066_1066	1066	1066	15.804	-0.5145	-0.09	-0.153	-2.5575	162.831	1
1066_1067	1066	1067	184.773	-26.1585	-0.0615	-0.156	-0.255	1098.164	1
1067_1067	1067	1067	16.1475	-0.5145	-0.09	-0.1125	-3.2775	165.57	1
1067_1068	1067	1068	182.313	-21.372	-0.078	-0.0255	-1.17	1053.686	1
1068_1068	1068	1068	16.4925	-0.5145	-0.09	-0.1155	-3.993	168.3075	1
1068_1069	1068	1069	178.2945	-16.9815	-0.0885	-0.1635	-2.25	992.7885	1
1069_1069	1069	1069	16.836	-0.57	-0.096	-0.0945	-4.707	171.0465	1
1069_1070	1069	1070	173.3235	-13.9155	-0.6855	0.1605	-8.0685	922.4985	1
1070_1070	1070	1070	17.2065	-0.57	-0.096	-0.0945	-5.454	173.982	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1070_1071	1070	1071	167.0595	-10.1775	-0.708	0.0285	-14.2485	841.494	1
1071_1071	1071	1071	17.355	-0.57	-0.111	-0.078	-7.1445	177.678	1
1071_1072	1071	1072	158.7315	-6.231	-0.8385	-0.081	-25.3905	734.391	1
1072_1072	1072	1072	116.385	51.7815	-0.426	1.362	11.1195	1400.318	1
1072_1073	1072	1073	44.31	-0.294	0.03	-0.3195	-4.989	391.044	1
1073_1073	1073	1073	103.968	45.006	-0.363	1.074	5.397	957.303	1
1073_1074	1073	1074	65.2875	-50.751	0.3045	-0.492	-1.359	1012.077	1
1074_1074	1074	1074	97.0425	9.573	-0.036	-0.558	-7.671	1173.422	1
1074_1075	1074	1075	110.1705	-45.8685	-0.201	-0.747	-3.1095	1258.779	1
1075_1075	1075	1075	119.169	9.459	-0.0285	-0.0255	-5.943	1007.598	1
1075_1076	1075	1076	165.9735	-40.641	-0.165	-0.2925	-4.071	1362.905	1
1076_1076	1076	1076	120.699	9.738	0.0165	-0.1605	-6.2745	917.862	1
1076_1077	1076	1077	189.474	-39.093	-0.042	-0.354	-4.5015	1493.355	1
1077_1077	1077	1077	107.469	9.828	0.024	0.066	-8.6445	862.836	1
1077_1078	1077	1078	201.585	-57.0735	-0.0555	-0.726	-7.737	1742.534	1
1078_1078	1078	1078	95.1285	9.648	0.0345	-0.03	-8.2665	759.765	1
1078_1079	1078	1079	221.9595	-54.0315	0.0255	-0.765	-7.5735	1894.712	1
1079_1079	1079	1079	85.926	9.6315	0.036	0.0885	-7.866	689.8095	1
1079_1080	1079	1080	235.896	-47.3955	0.039	-0.621	-7.1745	1996.946	1
1080_1080	1080	1080	76.8825	9.396	0.045	0.0585	-7.3905	610.218	1
1080_1081	1080	1081	247.98	-45.7365	0.0135	-0.573	-7.074	2084.004	1
1081_1081	1081	1081	68.097	8.934	0.0465	0.1365	-6.6705	520.809	1
1081_1082	1081	1082	253.1175	-39.1245	0.024	-0.414	-6.819	2118.053	1
1082_1082	1082	1082	59.6805	8.6205	0.0465	0.0825	-6.0075	444.4575	1
1082_1083	1082	1083	256.5615	-37.329	0	-0.4905	-6.885	2138.279	1
1083_1083	1083	1083	52.842	-8.4285	-0.0555	-0.0765	-5.421	396.9135	1
1083_1084	1083	1084	252.0615	-30.3435	0.0135	-0.048	-6.747	2098.17	1
1084_1084	1084	1084	61.6515	-8.7135	-0.054	-0.1755	-6.198	471.993	1
1084_1085	1084	1085	246.963	-4.449	-0.027	0.0855	-7.1085	2066.409	1
1085_1085	1085	1085	70.0815	-8.922	-0.0525	-0.0015	-6.87	544.0305	1
1085_1086	1085	1086	235.0995	2.247	-0.0135	0.573	-7.2315	1971.537	1
1086_1086	1086	1086	78.606	-9.0855	-0.045	-0.1395	-7.4715	610.878	1
1086_1087	1086	1087	221.763	3.57	-0.0225	0.2805	-7.4895	1864.95	1
1087_1087	1087	1087	87.339	-9.1725	-0.0435	0.0825	-7.977	680.5815	1
1087_1088	1087	1088	203.511	-15.4095	0.006	0.33	-7.077	1699.353	1
1088_1088	1088	1088	96.096	-9.225	-0.054	0.036	-8.4645	746.28	1
1088_1089	1088	1089	179.2335	-12.138	0.015	0.3225	-6.6285	1499.747	1
1089_1089	1089	1089	105.762	-9.0135	-0.048	0.117	-8.172	869.6355	1
1089_1090	1089	1090	155.589	-7.7775	0.0135	0.2175	-5.6325	1429.224	1
1090_1090	1090	1090	109.6455	-8.634	0.0345	0.0855	-8.4945	932.286	1
1090_1091	1090	1091	118.9665	-4.662	0.186	0.3345	-3.306	1232.156	1
1091_1091	1091	1091	105.7725	-8.5905	0.0435	0.4815	-10.176	1029.39	1
1091_1092	1091	1092	72.252	0.4425	0.1875	0.3615	-1.947	991.917	1
1092_1092	1092	1092	95.6235	-8.343	-0.186	0.21	-9.624	1140.546	1
1092_1093	1092	1093	40.3245	-7.8555	-0.021	-0.231	0.681	327.837	1
1093_1093	1093	1093	107.802	-41.5245	0.399	-0.969	7.2135	1031.064	1
1093_1094	1093	1094	40.0125	-7.275	-0.0255	-0.1605	0.366	405.354	1
1094_1094	1094	1094	40.365	37.452	-0.0645	0.432	-1.515	688.3065	1
1094_1095	1094	1095	172.623	-41.082	0.8895	-0.138	-18.1245	842.577	1
1095_1095	1095	1095	17.472	1.0695	0.09	0.1215	-0.099	-49.848	1
1095_1096	1095	1096	173.4555	-37.3425	0.96	-0.315	-11.5365	950.109	1
1096_1096	1096	1096	16.818	1.0695	0.078	0.093	0.5955	-55.5195	1
1096_1097	1096	1097	177.18	-33.093	0.885	0.0165	-3.567	1023.186	1
1097_1097	1097	1097	16.161	0.993	0.0165	0.1215	1.2	-61.182	1
1097_1098	1097	1098	179.934	-29.697	0.1125	-0.051	-1.9455	1086.426	1
1098_1098	1098	1098	15.543	0.9615	0.009	0.099	1.317	-62.37	1
1098_1099	1098	1099	181.0035	-24.756	0.0825	0.0975	-0.702	1130.982	1
1099_1099	1099	1099	14.937	0.957	0.0075	0.099	1.377	-67.0305	1
1099_1100	1099	1100	180.8955	-19.4175	0.063	-0.024	0.219	1158.534	1
1100_1100	1100	1100	14.3445	0.9735	-0.0135	0.0075	1.3995	-69.3825	1
1100_1101	1100	1101	180.924	-18.8565	-0.0165	1.413	0.252	1176.267	1
1101_1101	1101	1101	14.0445	-0.0675	0.144	0.2835	-2.7675	147.1845	1
1101_1102	1101	1102	180.0825	-14.7315	-0.024	1.4715	0.1935	1182.317	1
1102_1102	1102	1102	14.0745	-0.0795	0.1425	-0.0645	-1.9095	154.7115	1
1102_1103	1102	1103	178.2435	-32.748	0.0165	-1.581	0.111	1180.299	1
1103_1103	1103	1103	14.1135	-0.0795	0.144	-0.012	-1.053	155.0415	1
1103_1104	1103	1104	177.282	-28.7985	-0.006	-1.155	-0.0675	1163.486	1
1104_1104	1104	1104	14.1525	-0.225	0.15	0.129	-0.189	155.37	1
1104_1105	1104	1105	176.277	-26.8605	-0.078	-0.213	-1.035	1137.908	1
1105_1105	1105	1105	14.295	-0.225	0.1515	0.1695	1.0095	156.603	1
1105_1106	1105	1106	174.081	-21.906	-0.1065	-0.0495	-2.4255	1094.678	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1106_1106	1106	1106	14.4375	-0.225	0.1515	0.1695	2.2185	157.839	1
1106_1107	1106	1107	170.22	-17.358	-0.1245	-0.1725	-4.101	1032.677	1
1107_1107	1107	1107	14.5965	-0.1725	0.132	0.1905	3.66	167.172	1
1107_1108	1107	1108	165.402	-14.223	-0.9495	0.12	-12.333	960.0105	1
1108_1108	1108	1108	14.7015	-0.1725	0.132	0.192	4.686	168.2115	1
1108_1109	1108	1109	159.0705	-10.335	-0.9825	-0.0105	-21.0975	874.53	1
1109_1109	1109	1109	15.45	-0.1725	0.1215	0.204	5.196	165.9915	1
1109_1110	1109	1110	154.452	-6.2025	-0.924	-0.051	-29.2815	743.8485	1
1110_1110	1110	1110	123.255	48.1365	-0.534	1.311	16.92	1397.486	1
1110_1111	1110	1111	37.713	1.8525	0.045	-0.3555	-5.403	446.193	1
1111_1111	1111	1111	113.415	41.394	-0.465	1.0635	9.798	976.698	1
1111_1112	1111	1112	61.7325	-49.6335	0.402	-0.3795	-2.8725	1023.291	1
1112_1112	1112	1112	99.186	35.8125	0.135	1.0005	4.3935	638.4735	1
1112_1113	1112	1113	104.0115	-44.6535	-0.204	-0.699	-4.809	1258.731	1
1113_1113	1113	1113	104.1405	10.572	-0.0135	0.0105	-8.592	1060.686	1
1113_1114	1113	1114	141.6855	-39.3375	-0.1755	-0.459	-5.802	1416.438	1
1114_1114	1114	1114	104.7045	10.842	0.048	-0.363	-8.7465	958.773	1
1114_1115	1114	1115	160.3005	-37.815	-0.0315	-0.7815	-6.168	1538.016	1
1115_1115	1115	1115	111.348	10.896	0.0435	0.0735	-6.954	807.894	1
1115_1116	1115	1116	203.061	-29.448	-0.021	-0.2055	-5.6025	1550.157	1
1116_1116	1116	1116	96.5835	10.668	0.039	0	-6.3105	705.1635	1
1116_1117	1116	1117	218.517	-27.6375	0.03	-0.2265	-5.4435	1661.877	1
1117_1117	1117	1117	85.578	10.5735	0.0405	0.072	-5.856	628.134	1
1117_1118	1117	1118	229.041	-20.964	0.0405	-0.1605	-5.028	1737.807	1
1118_1118	1118	1118	74.715	10.3185	0.045	0.027	-5.358	548.379	1
1118_1119	1118	1119	238.095	-19.659	0.0285	-0.2085	-4.74	1802.016	1
1119_1119	1119	1119	64.1325	10.074	0.0465	0.1335	-4.7805	468.7215	1
1119_1120	1119	1120	240.621	-12.804	0.039	0.0765	-4.2405	1821.263	1
1120_1120	1120	1120	53.94	9.612	0.045	0.0915	-4.1265	385.857	1
1120_1121	1120	1121	241.872	-11.2695	0.0225	0.0525	-3.936	1830.737	1
1121_1121	1121	1121	43.7235	8.7315	0.0435	0.111	-3.3195	291.729	1
1121_1122	1121	1122	234.501	-3.813	0.0285	0.1125	-3.5115	1782.273	1
1122_1122	1122	1122	34.6575	7.545	0.0405	0.0885	-2.466	203.2905	1
1122_1123	1122	1123	225.9645	-2.76	0.0075	0.201	-3.408	1725.051	1
1123_1123	1123	1123	38.6595	-5.7705	-0.018	-0.027	-2.9205	305.1495	1
1123_1124	1123	1124	209.9985	4.1535	0.0135	0.27	-3.2115	1618.043	1
1124_1124	1124	1124	44.7735	-6.036	-0.0135	-0.063	-3.153	353.703	1
1124_1125	1124	1125	192.78	5.427	-0.006	0.231	-3.294	1501.605	1
1125_1125	1125	1125	51.1935	-6.3465	-0.0105	0.0285	-3.3105	410.2665	1
1125_1126	1125	1126	172.0125	-12.9045	0.012	0.186	-3.075	1341.944	1
1126_1126	1126	1126	57.771	-6.468	-0.003	-0.021	-3.426	453.456	1
1126_1127	1126	1127	146.6415	-9.882	0.0705	0.123	-2.0325	1157.994	1
1127_1127	1127	1127	68.613	-6.5355	-0.0015	0.0675	-3.072	522.4455	1
1127_1128	1127	1128	130.4475	-5.886	0.0645	0.144	-1.29	1051.287	1
1128_1128	1128	1128	86.1915	-27.129	-0.099	-0.3255	1.2375	335.1885	1
1128_1129	1128	1129	94.9815	-3.5415	0.147	0.0765	0.3435	885.3075	1
1129_1129	1129	1129	108.54	-32.307	-0.1515	-0.591	0.0315	584.5185	1
1129_1130	1129	1130	52.275	-9.2925	-0.0795	-0.111	-1.545	361.74	1
1130_1130	1130	1130	130.8315	-36.9525	0.2145	-0.6855	-2.415	927.312	1
1130_1131	1130	1131	52.278	-8.4075	-0.039	-0.162	-2.0355	448.3965	1
1131_1131	1131	1131	144.1305	-43.6125	0.282	-0.6975	0.672	1319.181	1
1131_1132	1131	1132	50.3745	-7.7925	-0.0405	-0.0285	-2.538	534.36	1
1132_1132	1132	1132	47.373	40.863	-0.156	0.66	3.231	647.877	1
1132_1133	1132	1133	158.526	-43.593	0.603	0.7065	-11.091	668.9295	1
1133_1133	1133	1133	22.032	32.259	-0.0435	0.417	-0.2745	415.4745	1
1133_1134	1133	1134	168.3735	-39.1815	0.552	0.297	-5.334	750.597	1
1134_1134	1134	1134	13.8645	2.1165	-0.0645	-0.3915	-0.213	217.1235	1
1134_1135	1134	1135	174.738	-34.68	0.6495	-1.05	0.129	831.417	1
1135_1135	1135	1135	12.384	1.7025	-0.0315	-0.078	-0.762	198.114	1
1135_1136	1135	1136	180.837	-32.109	-0.0015	0.0345	0.3165	907.9065	1
1136_1136	1136	1136	11.3775	0.222	-0.0045	0.0525	1.134	-59.9145	1
1136_1137	1136	1137	184.3395	-26.82	0.003	-0.168	0.4635	964.023	1
1137_1137	1137	1137	12.435	-2.136	0.039	0.0195	-1.815	79.287	1
1137_1138	1137	1138	185.9745	-21.0735	-0.0105	-0.0885	0.447	1001.681	1
1138_1138	1138	1138	14.001	-2.316	0.0435	0.018	-1.5465	97.626	1
1138_1139	1138	1139	187.224	-20.0355	-0.0015	-0.0015	0.432	1026.611	1
1139_1139	1139	1139	15.2625	-2.316	0.0435	0.0405	-1.287	106.4535	1
1139_1140	1139	1140	187.044	-15.48	-0.0105	0.1695	0.3465	1038.264	1
1140_1140	1140	1140	16.56	-2.4105	0.045	0.0435	-1.026	121.0725	1
1140_1141	1140	1141	184.584	-10.8285	-0.012	0.1305	0.237	1031.334	1
1141_1141	1141	1141	17.8995	-2.4975	0.048	0.018	-0.7365	136.17	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1141_1142	1141	1142	181.8795	-26.733	-0.0135	-0.2685	-0.1905	1021.137	1
1142_1142	1142	1142	19.287	-2.709	0.048	0.0675	-0.423	151.803	1
1142_1143	1142	1143	178.641	-24.2955	-0.0225	0.087	-0.498	988.5225	1
1143_1143	1143	1143	21.264	-2.7165	0.048	0.0675	-0.0345	166.1505	1
1143_1144	1143	1144	173.574	-18.999	-0.027	0.0285	-0.909	937.491	1
1144_1144	1144	1144	23.307	-2.94	0.054	0.048	0.5235	196.8645	1
1144_1145	1144	1145	166.164	-14.145	-0.024	-0.156	-1.3455	866.817	1
1145_1145	1145	1145	25.4475	-2.9955	0.054	0.0975	0.951	211.839	1
1145_1146	1145	1146	157.734	-10.926	-0.4935	0.15	-5.475	786.3945	1
1146_1146	1146	1146	27.5895	-3.1065	0.06	0.105	1.5255	235.4475	1
1146_1147	1146	1147	147.3195	-6.7845	-0.504	0.0825	-9.7815	693	1
1147_1147	1147	1147	27.9705	-3.1185	0.0645	0.195	2.121	259.6425	1
1147_1148	1147	1148	131.8755	-2.412	-0.543	-0.054	-16.017	577.3125	1
1148_1148	1148	1148	155.094	45.252	-0.333	0.8865	6.9675	1433.777	1
1148_1149	1148	1149	55.65	4.8795	0.0195	0.066	-0.018	339.6855	1
1149_1149	1149	1149	146.007	41.847	-0.3015	0.765	2.652	1027.464	1
1149_1150	1149	1150	55.3605	5.919	0.0165	0.111	0.195	275.5545	1
1150_1150	1150	1150	131.5005	36.6	0.1035	0.6915	-0.612	697.752	1
1150_1151	1150	1151	73.758	-42.645	-0.1395	-0.423	-0.9705	1026.68	1
1151_1151	1151	1151	111.063	29.2665	0.0615	0.273	0.795	408.6075	1
1151_1152	1151	1152	119.4675	-37.4685	-0.126	-0.2025	-1.9605	1083.629	1
1152_1152	1152	1152	85.9545	25.2135	0.042	0.285	1.437	227.52	1
1152_1153	1152	1153	136.5705	-36.3915	-0.0525	-0.1335	-2.3175	1178.775	1
1153_1153	1153	1153	71.505	10.65	0.015	0.015	-3.087	578.814	1
1153_1154	1153	1154	164.493	-28.491	-0.051	-0.1305	-2.631	1254.3	1
1154_1154	1154	1154	56.871	10.1775	0.0195	0.015	-2.8665	482.6865	1
1154_1155	1154	1155	177.3255	-26.3535	0.006	-0.075	-2.622	1343.948	1
1155_1155	1155	1155	45.7275	9.828	0.021	0.039	-2.616	404.0235	1
1155_1156	1155	1156	184.998	-19.323	0.009	-0.0525	-2.5245	1398.581	1
1156_1156	1156	1156	35.268	8.721	0.021	0.0255	-2.208	309.408	1
1156_1157	1156	1157	190.5555	-17.9535	0.0045	-0.0195	-2.52	1437.179	1
1157_1157	1157	1157	27.024	7.359	0.021	0.033	-1.7385	223.5795	1
1157_1158	1157	1158	190.6845	-33.837	0.003	-0.099	-2.478	1437.917	1
1158_1158	1158	1158	20.445	-5.3955	-0.0165	-0.021	-1.3905	144.6585	1
1158_1159	1158	1159	190.719	-32.3565	-0.009	-0.0765	-2.5635	1432.943	1
1159_1159	1159	1159	26.4705	-6.516	-0.0165	-0.015	-1.797	205.974	1
1159_1160	1159	1160	185.013	-26.028	-0.003	-0.0345	-2.5815	1391.384	1
1160_1160	1160	1160	33.672	-7.659	-0.021	-0.018	-2.187	277.8345	1
1160_1161	1160	1161	177.135	-23.994	-0.012	0.03	-2.706	1333.524	1
1161_1161	1161	1161	42.798	-8.55	-0.021	-0.0225	-2.5545	359.241	1
1161_1162	1161	1162	163.998	-17.4855	-0.0105	-0.021	-2.7915	1240.689	1
1162_1162	1162	1162	52.563	-9.0165	-0.0075	-0.006	-2.8125	427.3725	1
1162_1163	1162	1163	145.8105	-13.749	0.0555	0.075	-1.962	1109.364	1
1163_1163	1163	1163	71.676	-21.5595	-0.0405	-0.243	1.374	137.217	1
1163_1164	1163	1164	120.7365	-9.624	0.0525	0.048	-1.743	1051.362	1
1164_1164	1164	1164	89.898	-23.805	-0.0465	-0.213	1.1055	239.529	1
1164_1165	1164	1165	89.7645	-6.9255	0.108	0.129	-0.639	913.767	1
1165_1165	1165	1165	114.942	-27.4035	-0.0645	-0.4455	0.546	427.575	1
1165_1166	1165	1166	66.318	-7.8555	-0.03	-0.1005	0.03	314.1135	1
1166_1166	1166	1166	137.82	-33.4785	0.195	-0.4725	-0.765	706.278	1
1166_1167	1166	1167	66.423	-6.528	-0.015	-0.0945	-0.15	384.267	1
1167_1167	1167	1167	152.622	-36.327	0.2235	-0.531	1.83	1039.484	1
1167_1168	1167	1168	64.602	-5.301	-0.0165	-0.0465	-0.363	448.4145	1
1168_1168	1168	1168	51.7695	40.9155	-0.1155	0.342	2.028	646.4925	1
1168_1169	1168	1169	150.963	-44.1495	0.462	-0.057	-8.7525	670.9005	1
1169_1169	1169	1169	33.006	3.108	-0.057	-0.099	1.4625	255.6075	1
1169_1170	1169	1170	163.029	-39.9645	0.366	-0.1635	-3.9525	754.2645	1
1170_1170	1170	1170	30.7305	3.0195	-0.0525	-0.0945	0.927	233.121	1
1170_1171	1170	1171	171.8325	-35.5065	0.354	-0.222	-0.903	832.6485	1
1171_1171	1171	1171	28.551	2.8725	-0.0435	-0.051	0.453	210.5595	1
1171_1172	1171	1172	179.4195	-31.815	0.03	0.06	-0.4695	901.0155	1
1172_1172	1172	1172	26.3685	2.8725	-0.0435	-0.0795	0.108	196.305	1
1172_1173	1172	1173	184.5465	-26.6055	0.0315	-0.1305	-0.0765	951.036	1
1173_1173	1173	1173	24.237	2.673	-0.039	-0.045	-0.3045	166.5825	1
1173_1174	1173	1174	187.785	-20.9475	0.0195	-0.0555	0.1815	983.895	1
1174_1174	1174	1174	22.206	2.5605	-0.0375	-0.024	-0.612	153.3195	1
1174_1175	1174	1175	189.903	-19.767	0	0.1695	0.2025	1003.635	1
1175_1175	1175	1175	20.7495	2.5545	-0.0375	-0.0495	-0.837	143.2995	1
1175_1176	1175	1176	192.2445	-35.5605	0.0015	-0.2145	0.246	1009.956	1
1176_1176	1176	1176	19.323	2.4765	-0.036	-0.024	-1.056	128.3385	1
1176_1177	1176	1177	192.291	-31.0845	-0.0045	-0.0705	0.204	1001.273	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1177_1177	1177	1177	17.94	2.3955	-0.0345	-0.021	-1.2555	113.8365	1
1177_1178	1177	1178	190.935	-26.829	-0.006	-0.1065	0.1575	980.5725	1
1178_1178	1178	1178	16.593	2.292	-0.033	-0.024	-1.4475	102.066	1
1178_1179	1178	1179	188.757	-24.2565	-0.0285	-0.0465	-0.12	946.8945	1
1179_1179	1179	1179	14.8785	2.2545	-0.033	-0.0105	-1.695	88.596	1
1179_1180	1179	1180	184.665	-19.062	-0.0375	0.024	-0.5325	896.1435	1
1180_1180	1180	1180	13.257	2.133	-0.03	-0.0105	-1.8645	71.01	1
1180_1181	1180	1181	178.1625	-14.298	-0.042	-0.033	-1.02	827.2695	1
1181_1181	1181	1181	11.7375	-1.485	0.033	0.09	0.093	164.793	1
1181_1182	1181	1182	170.451	-10.9485	-0.36	0.177	-4.0215	748.8675	1
1182_1182	1182	1182	12.924	-1.6665	0.039	0.099	0.4995	187.959	1
1182_1183	1182	1183	160.8015	-6.933	-0.3675	0.117	-7.131	659.2845	1
1183_1183	1183	1183	23.4225	-32.4075	0.036	-0.321	-0.6045	441.816	1
1183_1184	1183	1184	148.1955	-2.6985	-0.4245	-0.066	-12.6105	541.9605	1
1184_1184	1184	1184	147.105	51.0135	-0.258	0.813	4.656	1482.236	1
1184_1185	1184	1185	46.647	8.088	0.021	0.108	-0.4365	350.079	1
1185_1185	1185	1185	135.6165	46.176	-0.2235	0.5025	1.299	1036.698	1
1185_1186	1185	1186	48.5295	-50.2635	0.1665	-0.288	0.0825	739.2645	1
1186_1186	1186	1186	117.447	40.038	0.096	0.561	-1.089	674.1165	1
1186_1187	1186	1187	90.255	-45.18	-0.1185	-0.2685	-0.6495	952.0935	1
1187_1187	1187	1187	91.5555	32.0445	0.0705	0.2625	0.369	367.1775	1
1187_1188	1187	1188	134.7855	-39.864	-0.1215	-0.2205	-1.6665	1066.595	1
1188_1188	1188	1188	75.8115	8.187	0.0075	-0.009	-3.138	565.7295	1
1188_1189	1188	1189	155.736	-38.244	-0.0645	-0.1125	-2.106	1178.307	1
1189_1189	1189	1189	72.384	8.1855	0.0075	-0.0015	-2.877	526.2945	1
1189_1190	1189	1190	181.806	-30.4965	-0.072	-0.2025	-2.8875	1359.156	1
1190_1190	1190	1190	61.356	7.935	0.0165	0.0435	-2.7765	453.5985	1
1190_1191	1190	1191	198.375	-27.8955	-0.0075	-0.009	-3.0075	1474.892	1
1191_1191	1191	1191	52.9635	7.56	0.0165	0.015	-2.58	385.0905	1
1191_1192	1191	1192	210.234	-43.965	-0.021	-0.3555	-3.2655	1565.813	1
1192_1192	1192	1192	44.9085	7.0245	0.0165	0.0315	-2.3265	318.645	1
1192_1193	1192	1193	219.378	-41.9205	-0.009	-0.201	-3.342	1623.474	1
1193_1193	1193	1193	38.1825	6.186	0.0165	0.0435	-1.98	249.774	1
1193_1194	1193	1194	221.8995	-35.394	-0.006	-0.1575	-3.39	1637.468	1
1194_1194	1194	1194	44.4705	-9.1125	-0.027	-0.051	-2.5665	289.2855	1
1194_1195	1194	1195	222.8655	-33.6225	-0.024	-0.048	-3.6285	1639.763	1
1195_1195	1195	1195	53.9565	-9.771	-0.0285	-0.057	-2.9805	366.222	1
1195_1196	1195	1196	217.989	-27.336	-0.024	-0.117	-3.855	1602.956	1
1196_1196	1196	1196	64.02	-10.512	-0.03	-0.0165	-3.3795	447.3405	1
1196_1197	1196	1197	210.249	-24.8445	-0.0075	0.111	-3.9	1545.221	1
1197_1197	1197	1197	75.5445	-10.749	-0.03	-0.0555	-3.7305	528.156	1
1197_1198	1197	1198	197.2365	-18.489	-0.012	-0.063	-3.96	1451.069	1
1198_1198	1198	1198	87.237	-11.226	-0.0105	-0.0015	-4.0665	608.046	1
1198_1199	1198	1199	178.509	-14.5785	0.063	0.117	-2.9715	1313.96	1
1199_1199	1199	1199	99.7815	-11.2155	-0.0105	0.027	-4.5405	696.0495	1
1199_1200	1199	1200	155.0265	-10.2705	0.0585	0.0975	-2.706	1192.404	1
1200_1200	1200	1200	106.311	-11.088	0.006	0.0795	-4.6275	757.638	1
1200_1201	1200	1201	120.4425	-6.864	0.09	0.2145	-1.731	1051.13	1
1201_1201	1201	1201	97.689	-11.3865	0.009	0.321	-6.9435	912.741	1
1201_1202	1201	1202	66.3705	-1.95	0.105	0.2535	-1.6665	923.13	1
1202_1202	1202	1202	105.648	-34.2495	0.288	-0.669	1.2855	589.9005	1
1202_1203	1202	1203	38.4555	-2.694	-0.012	0.1035	-3.9195	415.0665	1
1203_1203	1203	1203	123.2175	-39.63	0.3495	-1.008	5.256	931.536	1
1203_1204	1203	1204	36.888	-5.4585	-0.0105	-0.147	0.8745	301.7925	1
1204_1204	1204	1204	50.577	41.55	-0.1065	0.5265	1.0815	695.508	1
1204_1205	1204	1205	162.2385	-41.961	0.681	0.021	-14.748	766.296	1
1205_1205	1205	1205	22.515	34.512	-0.0045	0.339	-2.244	487.932	1
1205_1206	1205	1206	171.2085	-38.115	0.6045	-0.2595	-7.8975	856.965	1
1206_1206	1206	1206	15.003	0.4605	-0.108	-0.126	2.7465	157.128	1
1206_1207	1206	1207	177.294	-33.984	0.579	-0.33	-2.7135	924.7365	1
1207_1207	1207	1207	14.6865	0.396	-0.096	-0.1125	1.7745	147.561	1
1207_1208	1207	1208	182.5095	-30.4845	0.108	-0.0555	-1.371	983.7945	1
1208_1208	1208	1208	14.4	0.396	-0.0945	-0.0915	1.011	145.533	1
1208_1209	1208	1209	185.7435	-25.6305	0.0885	0.0045	-0.2805	1026.314	1
1209_1209	1209	1209	14.1225	0.375	-0.0915	-0.0885	0.219	139.542	1
1209_1210	1209	1210	187.704	-20.3595	0.075	-0.075	0.5805	1054.316	1
1210_1210	1210	1210	13.854	0.27	-0.0855	-0.084	-0.5295	134.475	1
1210_1211	1210	1211	189.048	-19.014	0.018	0.039	0.7545	1071.101	1
1211_1211	1211	1211	13.7085	0.27	-0.084	-0.0585	-1.0395	133.44	1
1211_1212	1211	1212	190.8345	-36.5475	-0.0165	-0.021	0.7635	1076.348	1
1212_1212	1212	1212	13.563	0.27	-0.084	-0.0585	-1.5435	132.405	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1212_1213	1212	1213	191.385	-32.367	-0.0195	-0.081	0.5955	1070.583	1
1213_1213	1213	1213	13.419	0.27	-0.0855	-0.084	-2.046	131.37	1
1213_1214	1213	1214	190.9395	-28.3875	-0.015	-0.3195	0.426	1054.421	1
1214_1214	1214	1214	13.29	0.192	-0.0855	-0.045	-2.46	120.621	1
1214_1215	1214	1215	189.9495	-25.653	-0.099	0.0915	-0.5355	1025.843	1
1215_1215	1215	1215	13.152	0.192	-0.087	-0.063	-3.147	119.6355	1
1215_1216	1215	1216	187.68	-20.8005	-0.1035	-0.135	-1.6725	983.0115	1
1216_1216	1216	1216	13.0125	0.192	-0.0855	-0.045	-3.837	118.65	1
1216_1217	1216	1217	183.4755	-16.3455	-0.123	-0.0705	-3.0645	923.631	1
1217_1217	1217	1217	12.873	0.171	-0.075	-0.03	-4.524	117.669	1
1217_1218	1217	1218	178.2855	-13.092	-0.585	0.2085	-8.121	855.1335	1
1218_1218	1218	1218	13.389	-0.8775	-0.057	-0.0555	-0.5175	-42.387	1
1218_1219	1218	1219	171.405	-9.321	-0.603	0.123	-13.4475	776.2905	1
1219_1219	1219	1219	24.327	-33.666	-0.0165	-0.414	-2.8755	495.144	1
1219_1220	1219	1220	162.0375	-5.3085	-0.639	-0.0525	-20.727	653.991	1
1220_1220	1220	1220	134.1405	51.9015	-0.3675	0.867	9.6825	1426.529	1
1220_1221	1220	1221	50.0595	8.8125	0.0225	0.099	1.635	356.703	1
1221_1221	1221	1221	121.623	45.3945	-0.333	1.191	4.8255	975.387	1
1221_1222	1221	1222	67.6875	-51.753	0.2775	-0.3405	-0.6675	899.2695	1
1222_1222	1222	1222	103.3065	39.1245	0.1065	0.8415	1.278	612.777	1
1222_1223	1222	1223	112.3755	-46.473	-0.156	-0.816	-1.758	1125.156	1
1223_1223	1223	1223	114.345	9.372	-0.0165	0.0735	-3.9285	844.0125	1
1223_1224	1223	1224	166.3425	-41.379	-0.1065	-0.1935	-2.2155	1214.429	1
1224_1224	1224	1224	114.093	10.1985	0.018	-0.207	-4.1235	759.8115	1
1224_1225	1224	1225	188.508	-38.514	-0.0585	-0.4935	-2.646	1328.13	1
1225_1225	1225	1225	102.474	10.4055	0.0225	0.1335	-4.3575	742.9635	1
1225_1226	1225	1226	202.938	-29.7645	-0.0645	-0.2325	-3.9915	1615.676	1
1226_1226	1226	1226	86.8755	10.503	0.0225	-0.114	-3.9885	634.464	1
1226_1227	1226	1227	218.424	-25.7025	0	-0.69	-4.116	1739.057	1
1227_1227	1227	1227	75.261	10.2915	0.0255	0.237	-3.6885	544.3965	1
1227_1228	1227	1228	228.039	-18.372	0.0165	0.228	-3.966	1817.781	1
1228_1228	1228	1228	63.792	10.0785	0.0225	0.0315	-3.3405	455.919	1
1228_1229	1228	1229	232.7625	-14.496	-0.009	-0.3075	-4.1115	1859.9	1
1229_1229	1229	1229	52.719	9.57	0.0225	0.1815	-2.9715	363.471	1
1229_1230	1229	1230	229.368	-6.996	0	0.3015	-4.137	1842.648	1
1230_1230	1230	1230	60.1245	-11.0715	0	-0.249	-3.3525	466.0485	1
1230_1231	1230	1231	221.3385	-27.3555	0.0405	-0.345	-3.597	1787.217	1
1231_1231	1231	1231	73.0365	-11.694	0.006	-0.0165	-3.423	576.747	1
1231_1232	1231	1232	207.135	-20.5905	0.0525	0.2115	-2.838	1681.016	1
1232_1232	1232	1232	86.4315	-12.219	0.021	-0.318	-3.3435	684.9765	1
1232_1233	1232	1233	194.5605	-18.048	0.1035	-0.2595	-1.71	1584.302	1
1233_1233	1233	1233	97.557	-12.3345	0.027	0.0045	-3.114	766.998	1
1233_1234	1233	1234	176.2095	-12.4635	0.108	0.2115	-0.3975	1442.234	1
1234_1234	1234	1234	109.2915	-12.405	0.0555	0.402	-4.5135	871.1895	1
1234_1235	1234	1235	167.382	-10.9485	0.195	0.7365	-0.0645	1409.408	1
1235_1235	1235	1235	112.5285	-11.973	-0.111	-0.0585	-4.347	896.709	1
1235_1236	1235	1236	146.217	-8.835	-0.234	0.0615	-1.896	1320.453	1
1236_1236	1236	1236	113.9925	-12.198	-0.108	0.129	-5.079	966.7245	1
1236_1237	1236	1237	119.4015	-4.971	-0.2085	0.2175	-4.0875	1177.701	1
1237_1237	1237	1237	96.756	-12.5235	-0.1545	1.0935	-9.4515	1156.808	1
1237_1238	1237	1238	82.6005	-3.966	-0.291	1.11	-7.6395	1223.051	1
1238_1238	1238	1238	94.632	-14.1255	0.747	0.126	-10.254	1208.201	1
1238_1239	1238	1239	55.617	-4.4115	1.2015	0.0105	5.3985	1058.034	1
1239_1239	1239	1239	101.5575	-38.292	-0.5385	-1.002	-0.051	745.5195	1
1239_1240	1239	1240	38.604	-1.365	0.087	0.315	-3.2205	419.3325	1
1240_1240	1240	1240	113.5455	-36.9105	1.1625	-3.2235	-7.8105	1070.246	1
1240_1241	1240	1241	35.034	-1.6815	-0.2415	0.756	-6.0495	446.3835	1
1241_1241	1241	1241	27.339	37.896	0.0615	0.7275	-2.388	805.2225	1
1241_1242	1241	1242	181.497	-32.6565	-0.8655	-3.321	-22.812	1028.153	1
1242_1242	1242	1242	16.683	1.9275	-0.078	-0.1815	-1.011	-38.304	1
1242_1243	1242	1243	182.6745	-31.1655	-0.8205	-2.973	-23.8545	1041.572	1
1243_1243	1243	1243	16.149	1.6935	0.1335	0.1545	-1.2585	-42.381	1
1243_1244	1243	1244	186.2925	-32.4765	1.125	-0.3915	-12.3705	1113.653	1
1244_1244	1244	1244	14.955	1.6725	0.1155	0.117	-0.0135	-51.3885	1
1244_1245	1244	1245	188.976	-27.4125	1.0425	0.081	-0.183	1172.342	1
1245_1245	1245	1245	13.632	1.5705	0.039	0.1575	1.185	-62.112	1
1245_1246	1245	1246	190.905	-23.3295	0.207	-0.2535	2.5275	1213.685	1
1246_1246	1246	1246	12.465	1.5375	0.021	0.108	1.5135	-69.33	1
1246_1247	1246	1247	191.7135	-17.6025	0.1575	0.2865	4.5975	1237.451	1
1247_1247	1247	1247	11.3085	1.4595	-0.003	0.135	1.674	-77.274	1
1247_1248	1247	1248	194.2185	-37.491	0.027	-0.4845	4.9275	1243.61	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1248_1248	1248	1248	10.959	0.069	0.0855	0.1305	-1.1055	120.855	1
1248_1249	1248	1249	196.1595	-31.2105	0.012	-0.261	4.7445	1232.909	1
1249_1249	1249	1249	10.911	0.075	0.0435	0.0855	-0.2085	120.3135	1
1249_1250	1249	1250	196.7895	-26.1615	-0.7035	-0.63	-3.0555	1198.944	1
1250_1250	1250	1250	10.851	0.0705	0.0435	0.1725	0.2025	115.542	1
1250_1251	1250	1251	196.2015	-21.4035	-0.7365	0.0585	-10.3005	1151.373	1
1251_1251	1251	1251	10.779	-0.3375	0.129	0.096	0.603	115.056	1
1251_1252	1251	1252	197.8035	-21.237	-0.4695	-0.4935	-15.138	1114.803	1
1252_1252	1252	1252	11.0475	-0.3465	0.1365	0.174	2.025	121.68	1
1252_1253	1252	1253	196.0845	-15.7755	-0.6345	-0.0675	-23.3175	1041.869	1
1253_1253	1253	1253	11.808	-29.5215	-0.3735	-0.651	-9.726	638.1945	1
1253_1254	1253	1254	195.783	-14.337	-0.633	-0.2865	-25.167	1012.379	1
1254_1254	1254	1254	19.2465	-31.9875	0.2055	0.3165	-8.865	683.994	1
1254_1255	1254	1255	196.347	-17.538	0.549	5.3055	-22.884	988.0305	1
1255_1255	1255	1255	124.401	44.4795	-1.3845	3.177	14.7825	1502.912	1
1255_1256	1255	1256	58.8015	8.0325	-0.072	0.3855	1.512	455.7675	1
1256_1256	1256	1256	119.8155	42.198	-1.314	3.174	3.573	1223.486	1
1256_1257	1256	1257	58.5105	8.691	-0.0825	0.5265	0.897	401.304	1
1257_1257	1257	1257	113.967	41.979	-0.108	0.7635	-4.596	991.9335	1
1257_1258	1257	1258	71.8635	-50.784	-0.132	-0.5505	9.72	1136.094	1
1258_1258	1258	1258	100.371	37.5435	-0.1065	1.1505	-4.377	680.211	1
1258_1259	1258	1259	110.283	-46.023	-0.0345	-0.4395	10.5195	1357.269	1
1259_1259	1259	1259	128.2395	11.9265	-0.282	-0.219	0.2865	1073.462	1
1259_1260	1259	1260	169.8945	-42.354	-0.576	-0.387	1.7265	1379.9	1
1260_1260	1260	1260	128.055	12.345	-0.2745	0.0015	-2.796	971.6655	1
1260_1261	1260	1261	193.2585	-37.629	-0.603	-0.2475	-3.7125	1506.438	1
1261_1261	1261	1261	125.3265	12.6405	-0.207	0.069	-4.0785	838.5015	1
1261_1262	1261	1262	206.9565	-35.6895	-0.462	-0.225	-4.296	1457.588	1
1262_1262	1262	1262	121.4715	12.882	0.033	-0.1395	-4.734	814.4835	1
1262_1263	1262	1263	224.3535	-31.515	0.009	-0.5055	-4.3515	1582.412	1
1263_1263	1263	1263	107.913	12.882	0.036	0.129	-4.3605	728.967	1
1263_1264	1263	1264	238.443	-25.3425	0.0225	-0.0645	-4.2165	1685.225	1
1264_1264	1264	1264	93.417	12.6315	0.024	-0.03	-3.93	633.759	1
1264_1265	1264	1265	249.498	-21.555	0.009	-0.3795	-4.1985	1766.678	1
1265_1265	1265	1265	79.6155	12.5535	0.027	0.1755	-3.657	544.2825	1
1265_1266	1265	1266	254.1135	-15.093	0.0255	0.153	-3.9315	1805.736	1
1266_1266	1266	1266	66.054	12.276	0.0255	0.0705	-3.3375	454.74	1
1266_1267	1266	1267	254.6595	-11.172	0.024	-0.105	-3.6405	1817.562	1
1267_1267	1267	1267	52.668	11.7855	0.0285	0.156	-2.9385	359.3835	1
1267_1268	1267	1268	247.9935	-4.593	0.0405	0.2355	-3.09	1781.993	1
1268_1268	1268	1268	53.022	-12.3705	0.0165	-0.2175	-2.6475	488.4015	1
1268_1269	1268	1269	234.7335	0.516	0.066	0.015	-2.052	1703.237	1
1269_1269	1269	1269	68.3325	-12.4065	0.0255	-0.0165	-2.4165	586.1685	1
1269_1270	1269	1270	217.9515	-18.804	0.099	0.216	-0.3525	1594.131	1
1270_1270	1270	1270	81.7845	-12.225	-0.1365	-0.1875	-2.1225	671.016	1
1270_1271	1270	1271	202.929	-15.441	-0.3345	-0.0765	-3.363	1493.663	1
1271_1271	1271	1271	92.3925	-12.225	-0.129	0.0105	-3.3705	737.9385	1
1271_1272	1271	1272	182.004	-10.482	-0.297	0.1905	-6.4245	1351.539	1
1272_1272	1272	1272	95.604	-12.309	-0.1665	0.33	-6.552	893.4795	1
1272_1273	1272	1273	157.062	-8.7675	-0.375	0.675	-9.996	1410.555	1
1273_1273	1273	1273	99.4545	-14.3235	-0.0225	-0.135	-7.251	928.1025	1
1273_1274	1273	1274	139.362	-11.829	0.102	0.0195	-8.406	1324.524	1
1274_1274	1274	1274	104.5935	-14.4045	-0.0165	0.159	-7.4235	1009.436	1
1274_1275	1274	1275	116.61	-8.4315	0.072	0.261	-7.323	1227.555	1
1275_1275	1275	1275	87.6495	-15.132	-0.0045	1.3095	-11.5935	1199.261	1
1275_1276	1275	1276	85.644	-7.3695	0.1065	1.4595	-10.5645	1280.907	1
1276_1276	1276	1276	88.047	-29.307	-1.176	-1.521	9.2295	541.2615	1
1276_1277	1276	1277	57.0555	-7.2705	2.1015	-0.0465	14.46	1118.094	1
1277_1277	1277	1277	103.986	-35.079	-1.4385	-0.7545	-6.4995	800.679	1
1277_1278	1277	1278	40.122	-9.603	-0.486	-0.0465	-7.7895	451.722	1
1278_1278	1278	1278	115.4655	-32.817	2.667	-3.99	-28.5045	1153.518	1
1278_1279	1278	1279	39.003	-7.731	0.681	-1.2285	-1.3905	516.3465	1
1279_1279	1279	1279	25.524	39.273	-0.222	0.606	-2.241	814.6845	1
1279_1280	1279	1280	175.4715	-32.133	-1.713	-3.012	-15.165	1060.175	1
1280_1280	1280	1280	10.146	2.2425	-0.2625	-0.348	-1.335	-48.9045	1
1280_1281	1280	1281	176.736	-29.7105	-1.503	-2.5245	-21.432	1057.014	1
1281_1281	1281	1281	11.2935	1.869	0.3255	0.1485	-5.547	-73.3785	1
1281_1282	1281	1282	163.968	-26.742	1.4655	-0.492	-17.6055	1163.73	1
1282_1282	1282	1282	9.753	1.803	0.288	0.072	-1.4115	-83.0055	1
1282_1283	1282	1283	162.4575	-20.5005	1.1535	0.219	-0.837	1177.166	1
1283_1283	1283	1283	8.2725	1.6035	-0.0435	0.1725	2.088	-98.9775	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1283_1284	1283	1284	167.6475	-41.9835	0.0435	-0.7545	-0.756	1193.817	1
1284_1284	1284	1284	6.9555	1.5585	-0.0645	0.0675	1.428	-107.274	1
1284_1285	1284	1285	174.198	-35.2905	-0.012	0.006	-0.642	1216.08	1
1285_1285	1285	1285	5.8215	1.3275	0.1785	0.1455	0.591	-111.419	1
1285_1286	1285	1286	181.107	-31.998	-0.2325	-0.759	-2.871	1224.839	1
1286_1286	1286	1286	5.25	-0.519	-0.1905	-0.015	-6.1665	198.3285	1
1286_1287	1286	1287	185.886	-25.9905	-0.405	-0.0225	-7.7655	1201.595	1
1287_1287	1287	1287	5.616	-0.306	-0.0705	-0.1665	-8.1465	202.269	1
1287_1288	1287	1288	195.3375	-32.6235	-0.6825	-0.828	-19.5405	1137.549	1
1288_1288	1288	1288	5.9085	-0.3705	-0.0675	0.03	-9.9975	226.5195	1
1288_1289	1288	1289	200.7435	-27.654	-0.885	-0.036	-31.983	1100.298	1
1289_1289	1289	1289	6.201	-27.996	0.522	-0.132	-16.173	692.139	1
1289_1290	1289	1290	202.812	-28.77	1.506	1.47	-27.132	1088.442	1
1290_1290	1290	1290	10.278	-30.264	0.504	0.087	-12.723	771.4635	1
1290_1291	1290	1291	207.0195	-24.9795	1.6605	2.019	-14.5125	1070.685	1
1291_1291	1291	1291	74.13	12.3345	1.7865	-3.126	-4.6185	1906.5	1
1291_1292	1291	1292	32.556	-51.9705	2.505	-3.8715	25.4535	934.3935	1
1292_1292	1292	1292	81.027	9.8565	-0.588	-1.5105	8.397	1813.788	1
1292_1293	1292	1293	63.666	-54.351	-1.272	-1.011	10.8225	1297.83	1
1293_1293	1293	1293	93.453	9.7215	-0.5805	0.6915	0.5655	1682.543	1
1293_1294	1293	1294	95.859	-50.367	-1.2285	0.063	-1.9995	1602.444	1
1294_1294	1294	1294	101.028	10.752	-0.015	-1.8495	-5.7975	1577.231	1
1294_1295	1294	1295	115.6335	-47.781	-0.111	-2.211	-1.8435	1787.63	1
1295_1295	1295	1295	120.0765	10.7505	-0.0075	0.0165	-4.0725	1398.914	1
1295_1296	1295	1296	158.5155	-73.548	-0.1455	-0.4095	-1.3785	1869.635	1
1296_1296	1296	1296	117.837	10.9815	-0.006	0.3225	-4.122	1340.162	1
1296_1297	1296	1297	179.094	-69.1905	-0.1515	-0.1755	-2.8275	2089.469	1
1297_1297	1297	1297	111.867	10.6725	-0.042	-0.6645	-4.197	1271.643	1
1297_1298	1297	1298	188.178	-69.993	-0.051	-1.5915	-3.1605	2191.127	1
1298_1298	1298	1298	92.6595	10.7595	-0.0615	-0.5115	-6.7245	1334.298	1
1298_1299	1298	1299	173.8665	-66.342	-0.0435	-1.8465	-5.6385	2567.924	1
1299_1299	1299	1299	87.759	10.7595	-0.057	0.708	-7.245	1266.488	1
1299_1300	1299	1300	191.736	-60.2295	0.012	0.249	-5.7585	2820.279	1
1300_1300	1300	1300	80.8515	10.548	0.1005	-0.5145	-7.9905	1167.725	1
1300_1301	1300	1301	208.5255	-56.775	0.1335	-2.4135	-4.0485	3056.193	1
1301_1301	1301	1301	73.383	10.548	0.105	0.768	-6.6705	1064.352	1
1301_1302	1301	1302	218.4	-50.7825	0.168	0.9015	-2.0835	3193.952	1
1302_1302	1302	1302	66.9615	10.2345	0.1005	-0.3645	-5.484	974.862	1
1302_1303	1302	1303	226.8375	-47.511	0.0945	-2.5095	-0.915	3309.77	1
1303_1303	1303	1303	59.5605	10.2195	0.1065	0.864	-4.1355	871.719	1
1303_1304	1303	1304	229.5105	-14.724	0.1095	2.289	0.1815	3347.76	1
1304_1304	1304	1304	53.514	9.861	0.141	-0.117	-2.9715	785.8305	1
1304_1305	1304	1305	231.5565	-12.006	0.1125	-1.533	1.8195	3374.907	1
1305_1305	1305	1305	46.6155	9.798	0.1455	0.702	-1.1385	687.414	1
1305_1306	1305	1306	227.5845	-5.703	0.141	2.2485	3.5955	3316.799	1
1306_1306	1306	1306	40.5945	9.3405	0.2025	0.0345	0.5145	601.794	1
1306_1307	1306	1307	220.581	-3.639	0.1365	-1.0035	5.1405	3214.151	1
1307_1307	1307	1307	34.665	9.2655	0.2055	0.5745	2.895	516.558	1
1307_1308	1307	1308	205.8315	3.771	0.159	2.0745	6.9465	3001.056	1
1308_1308	1308	1308	28.416	8.7615	0.1305	0.1605	5.4345	425.1825	1
1308_1309	1308	1309	186.822	6.9705	0.1185	-0.4545	7.842	2726.124	1
1309_1309	1309	1309	22.794	8.418	0.132	0.5325	6.8445	336.5895	1
1309_1310	1309	1310	159.0495	14.937	0.15	2.2995	9.09	2326.124	1
1310_1310	1310	1310	17.388	7.914	0.171	0.216	7.9695	244.602	1
1310_1311	1310	1311	123.4605	29.625	-0.3015	0.435	4.728	1824.015	1
1311_1311	1311	1311	12.219	6.8115	0.2865	0.33	10.698	151.977	1
1311_1312	1311	1312	78.054	38.6715	-0.2385	2.043	1.1235	1172.927	1
1312_1312	1312	1312	7.8705	5.2155	-0.8325	0.0285	14.94	78.4635	1
1312_1313	1312	1313	6.6585	-8.148	0.0405	-0.618	0	27.591	1
1400_1020	1400	1020	156.2535	-12.927	20.1435	0.477	-169.047	-113.169	1
1400_1401	1400	1401	31.983	1.9965	-0.738	-0.06	24.18	159.831	1
1401_1401	1401	1401	156.318	-11.874	6.4395	-1.6695	-87.1185	-60.216	1
1401_1402	1401	1402	31.92	2.1225	-1.6065	0.5205	18.303	152.406	1
1402_1402	1402	1402	156.5535	-8.0955	6.5685	-0.0915	-64.662	-18.795	1
1402_1403	1402	1403	31.86	2.892	-1.5795	-0.0495	1.026	120.8265	1
1403_1403	1403	1403	149.577	-3.5235	-0.1755	-0.3405	5.388	69.588	1
1403_1404	1403	1404	32.3865	3.9735	-0.138	0.084	0.2055	93.2565	1
1404_1404	1404	1404	149.619	-0.0405	-0.2655	-0.3795	4.1355	94.989	1
1404_1405	1404	1405	32.286	4.7265	-0.159	0.135	-0.9195	59.16	1
1405_1405	1405	1405	140.3055	4.686	-0.2025	-0.267	0.8745	95.2785	1
1405_1406	1405	1406	34.431	6.0315	0.129	0.1185	1.044	-27.6735	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1406_1406	1406	1406	132.489	9.333	-0.6225	-0.2955	-3.2535	27.738	1
1406_1407	1406	1407	36.594	7.3425	1.617	0.2325	15.4455	-92.7615	1
1407_1407	1407	1407	132.264	12.108	-0.6945	-0.141	-8.787	-54.966	1
1407_1408	1407	1408	36.432	8.1075	1.596	-0.1395	24.2925	-137.823	1
1408_1408	1408	1408	141.519	-10.8945	-6.402	0.3585	22.38	-236.943	1
1408_1409	1408	1409	41.598	-0.246	-2.1045	1.9755	18.7095	-137.313	1
1409_1409	1409	1409	141.795	12.0705	-6.2055	-0.297	3.03	-203.918	1
1409_1410	1409	1410	41.6085	0.573	-0.9075	-1.9125	15.9555	-139.653	1
1410_1410	1410	1410	149.7225	-18.189	1.0005	0.2265	-14.388	-240.369	1
1410_1411	1410	1411	40.908	-8.022	-0.999	0.312	9.999	-94.845	1
1411_1411	1411	1411	150.0705	-15.063	0.732	0.1725	-8.7195	-139.287	1
1411_1412	1411	1412	41.064	-7.167	-1.0755	-0.06	0.546	-31.341	1
1412_1412	1412	1412	159.366	-9.8175	0.123	0.216	-0.8955	-5.8245	1
1412_1413	1412	1413	42.7245	-5.7375	-0.078	0.063	-0.2835	51.369	1
1413_1413	1413	1413	170.154	-4.5705	-0.2355	0.3855	2.313	135.6885	1
1413_1414	1413	1414	44.4435	-4.281	-0.288	0.0765	-2.0685	82.161	1
1414_1414	1414	1414	170.214	-0.6075	-0.123	0.2595	0.6645	168.6375	1
1414_1415	1414	1415	44.532	-3.2445	-0.258	0.0705	-3.906	105.5385	1
1415_1415	1415	1415	177.6225	4.605	-6.0825	-0.228	1.3785	173.028	1
1415_1416	1415	1416	43.311	-1.836	-2.601	-0.4065	-32.1255	125.3925	1
1416_1416	1416	1416	177.3915	8.784	-7.9275	2.589	-65.4165	122.5125	1
1416_1417	1416	1417	43.3125	-0.813	-3.0585	1.6665	-43.134	128.124	1
1417_1417	1417	1417	177.2835	10.011	-16.086	-0.333	-92.6985	91.959	1
1417_1036	1417	1036	43.3485	-0.5685	0.9525	0.003	-39.801	130.473	1
1420_1056	1420	1056	169.7685	-11.346	16.7505	0.306	-133.107	-29.6505	1
1420_1421	1420	1421	42.783	-0.0585	-0.9975	-0.0135	-25.884	98.091	1
1421_1421	1421	1421	169.641	-10.362	5.0385	-1.3005	-65.088	16.8	1
1421_1422	1421	1422	42.807	0.0795	1.7445	-0.4665	-19.518	97.815	1
1422_1422	1422	1422	169.842	-6.3315	4.9635	-0.1485	-47.535	52.92	1
1422_1423	1422	1423	42.7935	1.0965	1.725	0.0405	-0.6705	85.8465	1
1423_1423	1423	1423	160.722	-1.464	-0.183	-0.3435	4.737	122.0745	1
1423_1424	1423	1424	42.4695	2.373	0.096	-0.102	-0.3855	68.76	1
1424_1424	1424	1424	160.713	2.2035	-0.348	-0.285	3.4605	132.6225	1
1424_1425	1424	1425	42.405	3.342	0.051	-0.0225	0.003	44.652	1
1425_1425	1425	1425	149.484	7.1415	0.033	-0.2175	-0.6285	116.718	1
1425_1426	1425	1426	39.876	4.668	-0.012	-0.048	-0.5805	-22.626	1
1426_1426	1426	1426	140.079	11.631	-0.342	-0.1785	-1.5735	16.4355	1
1426_1427	1426	1427	37.4235	5.967	1.1835	0.066	9.486	-75.5055	1
1427_1427	1427	1427	139.8045	14.5545	-0.624	-0.249	-4.677	-86.604	1
1427_1428	1427	1428	37.293	6.7485	1.1055	-0.2775	15.564	-113.01	1
1428_1428	1428	1428	131.7975	-12.402	-5.973	0.4035	21.321	-169.242	1
1428_1429	1428	1429	36.99	-0.951	1.2885	2.313	19.5675	-110.121	1
1429_1429	1429	1429	132.048	13.587	-5.7855	-0.3495	3.276	-131.639	1
1429_1430	1429	1430	36.9135	0.855	2.5815	-2.2875	27.3765	-113.196	1
1430_1430	1430	1430	140.6085	-14.103	0.957	0.1695	-13.164	-157.71	1
1430_1431	1430	1431	33.585	-5.9835	-1.1295	0.2625	9.7245	-67.5555	1
1431_1431	1431	1431	140.8725	-11.175	0.7485	0.219	-7.7895	-79.3485	1
1431_1432	1431	1432	33.7005	-5.283	-1.182	-0.0375	-0.699	-20.7585	1
1432_1432	1432	1432	149.859	-6.63	-0.0645	0.225	0.2715	17.091	1
1432_1433	1432	1433	34.7715	-4.107	0.015	0.063	-0.2175	38.5875	1
1433_1433	1433	1433	160.7865	-1.6635	0.399	0.255	0.9645	112.6515	1
1433_1434	1433	1434	36.0045	-2.931	0.0315	0.0255	0.2775	59.7255	1
1434_1434	1434	1434	160.782	2.0685	0.1125	0.387	3.771	124.6515	1
1434_1435	1434	1435	36.063	-2.094	-0.033	0.1245	0.003	74.817	1
1435_1435	1435	1435	169.254	7.356	-5.2275	0.1335	6.813	101.2665	1
1435_1436	1435	1436	34.479	-0.963	-2.499	-0.0975	-27.042	84.99	1
1436_1436	1436	1436	169.0245	11.3265	-5.5185	1.35	-50.2935	20.8635	1
1436_1437	1436	1437	34.488	-0.1515	-2.559	0.6855	-35.9925	85.506	1
1437_1437	1437	1437	168.9255	12.4035	-16.683	-0.33	-69.021	-18.504	1
1437_1072	1437	1072	34.4955	-0.0285	0.951	-0.0525	-32.739	85.6545	1
1440_1094	1440	1094	171.7305	-12.018	16.248	0.3135	-116.592	-50.046	1
1440_1441	1440	1441	39.4215	0.0405	-0.732	0.042	-28.2765	96.804	1
1441_1441	1441	1441	171.5835	-11.0415	4.026	-1.182	-50.745	-0.8055	1
1441_1442	1441	1442	39.4725	0.1935	2.0025	-0.4875	-20.706	96.1395	1
1442_1442	1442	1442	171.7995	-6.9225	4.0275	-0.3015	-36.7155	37.7205	1
1442_1443	1442	1443	39.456	1.14	2.0025	0.009	1.164	83.6925	1
1443_1443	1443	1443	162.4365	-1.7325	-0.3315	-0.339	5.1405	118.932	1
1443_1444	1443	1444	40.209	2.4	-0.066	-0.0795	0.4305	67.071	1
1444_1444	1444	1444	162.4335	1.9725	-0.309	-0.42	2.742	131.409	1
1444_1445	1444	1445	40.1445	3.3165	-0.06	-0.099	-0.006	43.1535	1
1445_1445	1445	1445	151.65	6.945	0.1035	-0.264	-1.128	117.1845	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1445_1446	1445	1446	38.571	4.6125	-0.0465	-0.075	-0.99	-23.3565	1
1446_1446	1446	1446	142.7025	11.7135	-0.2955	-0.222	-1.1385	18.75	1
1446_1447	1446	1447	37.161	5.9325	1.1505	0.024	8.8335	-75.9405	1
1447_1447	1447	1447	142.431	14.6475	-0.5145	-0.27	-3.819	-84.9885	1
1447_1448	1447	1448	37.032	6.696	1.092	-0.2685	14.8515	-113.166	1
1448_1448	1448	1448	134.4495	-13.779	4.6845	1.3725	-8.1255	-171.75	1
1448_1449	1448	1449	37.8555	-1.215	0.2295	2.85	15.8685	-109.688	1
1449_1449	1449	1449	134.082	12.798	7.116	-1.365	5.9865	-130.538	1
1449_1450	1449	1450	37.7595	1.005	2.1285	-2.922	22.3185	-112.977	1
1450_1450	1450	1450	134.931	-13.572	1.224	0.0705	-17.874	-151.766	1
1450_1451	1450	1451	33.204	-6.7095	-1.623	0.0345	12.6255	-75.6165	1
1451_1451	1451	1451	135.18	-10.794	1.2675	0.321	-11.0745	-76.311	1
1451_1452	1451	1452	33.336	-6.0255	-1.611	-0.2025	-1.6605	-22.245	1
1452_1452	1452	1452	144.408	-6.069	-0.195	0.261	1.6335	19.3065	1
1452_1453	1452	1453	31.554	-4.7925	0.09	-0.129	-0.2865	47.364	1
1453_1453	1453	1453	155.5905	-1.701	0.2865	0.396	0.531	109.734	1
1453_1454	1453	1454	29.529	-3.6225	-0.0375	-0.129	-0.6105	73.5	1
1454_1454	1454	1454	155.5905	1.713	0.273	0.348	2.6025	122.007	1
1454_1455	1454	1455	29.601	-2.9745	-0.0405	-0.1095	-0.9015	94.8615	1
1455_1455	1455	1455	165.888	6.6375	-3.4725	0.3195	6.675	109.7235	1
1455_1456	1455	1456	28.9425	-1.89	1.161	-0.051	11.595	114.1545	1
1456_1456	1456	1456	165.684	10.5285	-3.6165	1.0875	-31.3245	37.0785	1
1456_1457	1456	1457	28.98	-1.2105	1.1355	-0.222	15.5235	118.38	1
1457_1457	1457	1457	165.7545	11.49	-16.1385	-0.2535	-42.9525	0.372	1
1457_1110	1457	1110	29.052	-1.1055	0.6045	0.051	18.5475	122.898	1
1460_1132	1460	1132	200.1915	-15.7455	13.236	0.1995	-92.7315	-59.6235	1
1460_1461	1460	1461	49.65	-1.44	-1.3125	0.0375	-25.7835	97.5255	1
1461_1461	1461	1461	200.0685	-14.664	2.805	-0.945	-39.357	4.8435	1
1461_1462	1461	1462	49.6905	-1.2225	1.74	-0.3585	-19.137	101.7885	1
1462_1462	1462	1462	200.3595	-9.861	2.985	-0.2865	-29.6025	55.986	1
1462_1463	1462	1463	49.7025	-0.03	1.785	0.0075	0.327	102.114	1
1463_1463	1463	1463	194.289	-3.678	-0.1965	-0.0585	-0.0915	174.936	1
1463_1464	1463	1464	51.921	1.4475	-0.033	0.051	-0.732	92.037	1
1464_1464	1464	1464	194.322	0.8355	0.366	-0.6075	-1.7175	201.444	1
1464_1465	1464	1465	51.873	2.652	0.12	-0.198	0.0435	72.906	1
1465_1465	1465	1465	186.3015	7.0725	-0.0255	-0.165	-0.8325	195.4155	1
1465_1466	1465	1466	51.627	4.4235	-0.024	-0.0375	-0.6165	9.1635	1
1466_1466	1466	1466	179.5875	13.4025	0.9705	-0.0855	-2.6895	93.486	1
1466_1467	1466	1467	51.459	6.246	0.5505	-0.027	3.984	-46.149	1
1467_1467	1467	1467	179.271	17.0895	1.3245	-0.159	5.9265	-25.2015	1
1467_1468	1467	1468	51.318	7.3005	0.654	-0.021	7.6545	-86.7285	1
1468_1468	1468	1468	174.852	-19.566	4.4595	0.0345	13.311	-122.508	1
1468_1469	1468	1469	52.557	-3.663	-0.096	1.032	7.545	-76.119	1
1469_1469	1469	1469	152.85	19.0665	-4.7925	0.4815	23.046	0.1965	1
1469_1470	1469	1470	41.814	3.5115	-0.492	-0.6825	5.157	-49.248	1
1470_1470	1470	1470	158.0865	-12.726	-0.8715	0.1605	8.589	-49.9365	1
1470_1471	1470	1471	41.562	-5.244	-0.4335	0.024	2.634	-19.701	1
1471_1471	1471	1471	158.3145	-9.4725	-0.7035	0.063	3.756	20.8005	1
1471_1472	1471	1472	41.661	-4.389	-0.3885	-0.009	-0.8175	19.1625	1
1472_1472	1472	1472	164.8545	-4.2705	-0.0015	0.141	-1.1325	102.5445	1
1472_1473	1472	1473	42.27	-2.9025	0.018	0.0105	-0.279	61.0485	1
1473_1473	1473	1473	172.893	1.1595	0.21	0.2955	0.279	164.1165	1
1473_1474	1473	1474	42.9465	-1.47	-0.0165	0.0255	-0.135	71.6535	1
1474_1474	1474	1474	172.821	5.103	0.1905	0.2715	1.797	155.751	1
1474_1475	1474	1475	42.969	-0.4905	-0.0225	0.0375	-0.294	75.1875	1
1475_1475	1475	1475	181.05	10.7295	-2.3415	0.303	5.127	110.079	1
1475_1476	1475	1476	42.6255	0.831	-0.744	0.015	-8.1615	65.8785	1
1476_1476	1476	1476	180.7425	15.0705	-2.2155	0.798	-20.4285	-7.11	1
1476_1477	1476	1477	42.594	1.8525	-0.714	0.1635	-10.6365	59.4165	1
1477_1477	1477	1477	181.083	15.9795	-14.2245	-0.186	-27.0135	-59.706	1
1477_1148	1477	1148	42.5685	1.9935	1.026	0.0285	-6.5175	51.249	1
1480_1168	1480	1168	183.8955	-15.594	15.1725	0.258	-88.431	-101.421	1
1480_1481	1480	1481	48.15	-1.896	-0.7395	-0.0315	-11.268	77.523	1
1481_1481	1481	1481	184.056	-14.544	1.86	-0.756	-27.5505	-37.554	1
1481_1482	1481	1482	48.108	-1.734	0.6615	-0.018	-8.8215	83.577	1
1482_1482	1482	1482	184.3455	-10.1295	2.415	-0.291	-21.084	13.164	1
1482_1483	1482	1483	48.1335	-0.5805	0.8085	-0.063	-0.063	89.913	1
1483_1483	1483	1483	175.5855	-4.8015	-0.261	-0.2415	3.4815	123.7845	1
1483_1484	1483	1484	48.2475	0.894	0.0105	-0.027	-0.309	83.4705	1
1484_1484	1484	1484	175.6485	-0.72	-0.237	-0.3	1.5855	158.3955	1
1484_1485	1484	1485	48.2145	2.0145	0.018	-0.0315	-0.189	68.943	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1485_1485	1485	1485	166.968	4.8945	0.0195	-0.1365	-1.6155	163.575	1
1485_1486	1485	1486	47.2245	3.6585	-0.018	-0.009	-0.777	16.3155	1
1486_1486	1486	1486	159.627	10.548	0.858	-0.06	-2.6445	93.018	1
1486_1487	1486	1487	46.206	5.3145	0.5625	0.003	3.8955	-30.7695	1
1487_1487	1487	1487	159.3735	13.824	1.1715	-0.1605	4.953	-0.384	1
1487_1488	1487	1488	46.0845	6.261	0.6555	-0.018	7.5615	-65.571	1
1488_1488	1488	1488	153.4905	-18.096	5.874	-0.423	11.487	-85.053	1
1488_1489	1488	1489	46.158	-3.381	0.984	0.8475	10.608	-55.611	1
1489_1489	1489	1489	158.871	18.9735	-5.5665	0.2205	28.872	-26.181	1
1489_1490	1489	1490	46.7415	3.546	-0.1815	-1.08	8.4705	-71.817	1
1490_1490	1490	1490	164.355	-14.0235	-1.119	0.174	11.9565	-75.888	1
1490_1491	1490	1491	45.8745	-6.2265	-0.6765	0.0585	4.545	-37.2165	1
1491_1491	1491	1491	164.61	-10.6395	-0.9435	0.054	5.736	2.055	1
1491_1492	1491	1492	45.9945	-5.2815	-0.627	0.003	-1.02	9.552	1
1492_1492	1492	1492	171.7065	-4.809	0.0045	0.1365	-1.371	96.267	1
1492_1493	1492	1493	46.308	-3.6405	0.03	0.027	-0.36	62.0085	1
1493_1493	1493	1493	180.144	0.972	0.2475	0.282	0.0825	165.5685	1
1493_1494	1493	1494	46.6995	-2.0445	0.0405	0.045	0.168	76.755	1
1494_1494	1494	1494	180.0735	5.1585	0.222	0.261	1.8705	158.556	1
1494_1495	1494	1495	46.7355	-0.9585	0.0345	0.051	0.411	83.6685	1
1495_1495	1495	1495	188.568	10.599	-2.424	0.2775	5.1855	121.374	1
1495_1496	1495	1496	45.6945	0.48	-1.2615	-0.0105	-13.1655	77.895	1
1496_1496	1496	1496	188.259	15.12	-2.463	0.789	-21.2745	5.5995	1
1496_1497	1496	1497	45.669	1.5765	-1.272	0.321	-17.6025	72.3945	1
1497_1497	1497	1497	188.5785	16.0725	-14.9505	-0.2985	-28.836	-47.172	1
1497_1184	1497	1184	45.6105	1.7535	1.0485	-0.003	-13.608	65.208	1
1500_1204	1500	1204	171.426	-12.3135	17.9145	0.639	-121.757	-53.7555	1
1500_1501	1500	1501	32.736	-0.018	-0.312	-0.018	-15.6075	77.0595	1
1501_1501	1501	1501	171.6945	-11.1975	3.9045	-1.2465	-49.398	-3.4035	1
1501_1502	1501	1502	32.6985	0.0765	1.026	-0.339	-11.958	76.779	1
1502_1502	1502	1502	171.9195	-7.0305	3.7875	-0.354	-35.79	35.67	1
1502_1503	1502	1503	32.688	0.87	1.0035	0.003	-0.996	67.2885	1
1503_1503	1503	1503	161.412	-2.1255	-0.1815	-0.387	3.7575	112.3695	1
1503_1504	1503	1504	32.334	1.86	0.0765	-0.0645	-0.681	54.282	1
1504_1504	1504	1504	161.418	1.626	-0.159	-0.462	2.4285	127.692	1
1504_1505	1504	1505	32.283	2.61	0.081	-0.057	-0.1035	35.4555	1
1505_1505	1505	1505	149.9415	6.6165	0.024	-0.2805	-0.2175	115.9515	1
1505_1506	1505	1506	34.998	4.992	0.0075	0.138	-0.738	-20.988	1
1506_1506	1506	1506	139.9875	11.595	-0.852	-0.252	-1.1835	20.532	1
1506_1507	1506	1507	37.563	6.354	1.872	0.2595	15.9585	-77.46	1
1507_1507	1507	1507	139.7175	14.472	-1.0035	-0.1575	-8.775	-82.143	1
1507_1508	1507	1508	37.4265	7.1265	1.83	-0.1485	26.0925	-117.081	1
1508_1508	1508	1508	137.568	-13.7325	-7.533	0.5925	27.9765	-154.791	1
1508_1509	1508	1509	42.7545	-1.5375	-2.748	3.2445	18.441	-112.601	1
1509_1509	1509	1509	137.823	14.652	-7.155	-0.843	5.2575	-113.114	1
1509_1510	1509	1510	42.783	1.653	-1.299	-3.3045	14.547	-117.645	1
1510_1510	1510	1510	147.6705	-14.7375	1.086	0.198	-14.784	-157.169	1
1510_1511	1510	1511	43.206	-7.338	-0.9915	0.276	8.919	-76.7805	1
1511_1511	1511	1511	147.945	-11.7015	0.795	0.234	-8.6745	-75.255	1
1511_1512	1511	1512	43.3455	-6.4485	-1.08	-0.0525	-0.573	-19.6665	1
1512_1512	1512	1512	158.274	-6.468	0.045	0.273	-0.3885	28.362	1
1512_1513	1512	1513	45.7335	-4.9095	-0.0075	0.0585	-0.3345	51.2085	1
1513_1513	1513	1513	170.1465	-1.2135	0.1785	0.45	1.6215	121.6215	1
1513_1514	1513	1514	48.2475	-3.3855	-0.129	0.066	-0.927	75.582	1
1514_1514	1514	1514	170.1285	2.742	0.153	0.4005	2.907	130.371	1
1514_1515	1514	1515	48.3135	-2.2635	-0.1365	0.099	-1.911	91.902	1
1515_1515	1515	1515	181.2975	7.845	-3.78	0.378	5.643	110.607	1
1515_1516	1515	1516	49.185	-0.8445	-1.3455	0.042	-16.299	100.8945	1
1516_1516	1516	1516	181.056	12.2385	-3.6585	1.224	-35.589	24.9975	1
1516_1517	1516	1517	49.1925	0.348	-1.3125	0.3675	-20.853	99.684	1
1517_1517	1517	1517	181.4685	13.206	-18.225	-0.693	-47.4465	-17.7585	1
1517_1220	1517	1220	49.1385	0.501	0.873	0.0585	-17.3865	97.6185	1
1520_1241	1520	1241	177.8385	-14.115	6.1635	6.294	-38.4645	-82.7895	1
1520_1521	1520	1521	36.6705	0.828	0.033	0.78	-21.3135	116.643	1
1521_1521	1521	1521	179.133	-12.2115	0.84	-0.891	-14.571	-26.817	1
1521_1522	1521	1522	36.3915	0.9345	1.233	-0.774	-16.971	113.043	1
1522_1522	1522	1522	179.373	-7.965	0.18	-0.5565	-11.646	15.7245	1
1522_1523	1522	1523	36.363	1.797	1.095	0.051	-4.899	93.4395	1
1523_1523	1523	1523	169.5585	-2.6985	0.744	-0.7965	-11.376	102.3495	1
1523_1524	1523	1524	36.675	2.9925	0.3645	-0.201	-2.3745	72.096	1
1524_1524	1524	1524	169.584	0.804	0.429	-0.4515	-5.8695	115.383	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1524_1525	1524	1525	36.597	3.843	0.297	-0.0165	-0.1935	44.3805	1
1525_1525	1525	1525	159.1215	5.97	-0.105	-0.477	-4.404	106.56	1
1525_1526	1525	1526	35.7375	5.1015	0.1545	-0.072	1.914	-29.1435	1
1526_1526	1526	1526	149.697	11.6505	-4.4445	-0.5745	-7.584	20.2815	1
1526_1527	1526	1527	35.0175	6.33	-0.042	0.0315	1.4055	-85.3005	1
1527_1527	1527	1527	149.4135	14.7555	-4.743	0.2445	-47.043	-82.9095	1
1527_1528	1527	1528	34.878	7.0575	-0.114	-0.1605	0.693	-124.529	1
1528_1528	1528	1528	151.689	-14.496	-11.2455	7.137	94.1055	-148.544	1
1528_1529	1528	1529	42.6465	-0.8445	-4.4805	5.2365	40.2645	-121.335	1
1529_1529	1529	1529	152.481	16.722	-6.7035	-7.0845	60.1275	-102.227	1
1529_1530	1529	1530	42.915	1.209	-1.509	-5.3085	35.7225	-123.267	1
1530_1530	1530	1530	161.385	-14.76	-2.673	0.9045	40.8315	-143.792	1
1530_1531	1530	1531	43.92	-7.7835	-2.274	0.486	23.4735	-80.22	1
1531_1531	1531	1531	161.649	-11.46	-2.8875	0.294	26.019	-61.7145	1
1531_1532	1531	1532	44.067	-6.885	-2.334	-0.096	2.853	-19.2405	1
1532_1532	1532	1532	172.6515	-5.811	-0.465	0.4815	1.221	36.9915	1
1532_1533	1532	1533	47.0055	-5.1705	-0.2745	0.051	-0.8055	55.3455	1
1533_1533	1533	1533	183.9525	0.3045	-0.486	0.483	-4.977	120.5925	1
1533_1534	1533	1534	50.256	-3.5775	-0.2475	0.0045	-2.4615	81.0795	1
1534_1534	1534	1534	183.8955	4.584	-0.6375	0.7785	-8.499	118.3965	1
1534_1535	1534	1535	50.325	-2.4075	-0.2895	0.1305	-4.5705	98.436	1
1535_1535	1535	1535	193.2105	10.596	-0.7695	0.594	-12.6165	85.122	1
1535_1536	1535	1536	52.4685	-0.891	-0.741	-0.0105	-12.6225	107.9235	1
1536_1536	1536	1536	192.894	15.279	-1.134	1.044	-20.976	-30.5745	1
1536_1537	1536	1537	52.473	0.3825	-0.8415	0.504	-15.6135	106.581	1
1537_1537	1537	1537	193.95	16.5675	-6.6225	-5.04	-24.675	-85.173	1
1537_1255	1537	1255	52.254	0.6345	0.2145	-0.237	-14.739	103.8285	1
1540_1279	1540	1279	165.6525	-11.46	12.6585	9.6615	-12.465	11.3685	1
1540_1541	1540	1541	39.9825	2.175	2.322	1.842	4.638	178.929	1
1541_1541	1541	1541	171.759	-8.8395	-2.1255	-0.153	37.6035	49.1265	1
1541_1542	1541	1542	41.0535	2.637	-0.3465	-0.4005	3.1605	168.6495	1
1542_1542	1542	1542	171.918	-4.668	-2.484	-0.717	30.2175	79.9755	1
1542_1543	1542	1543	40.977	3.633	-0.435	-0.123	-1.5	128.979	1
1543_1543	1543	1543	160.521	-0.777	0.147	-0.8865	1.5555	117.795	1
1543_1544	1543	1544	38.736	4.7025	0.2055	-0.3195	-0.2595	95.5695	1
1544_1544	1544	1544	160.494	2.997	-0.5145	-0.4425	2.772	123.39	1
1544_1545	1544	1545	38.616	5.613	0.0405	0.078	0.159	55.116	1
1545_1545	1545	1545	151.374	7.815	-0.9465	-0.4875	-2.58	98.925	1
1545_1546	1545	1546	36.9705	6.8655	-0.132	-0.027	-1.977	-43.9275	1
1546_1546	1546	1546	144.9735	14.022	-7.773	-0.678	-18.0945	-14.3175	1
1546_1547	1546	1547	36.1335	8.4015	-2.0055	0.021	-20.1	-118.347	1
1547_1547	1547	1547	144.6495	16.9275	-8.0025	0.861	-87.015	-138.432	1
1547_1548	1547	1548	35.9535	9.1245	-2.0655	0.2475	-31.6725	-169.101	1
1548_1548	1548	1548	160.5585	-16.587	-11.397	14.061	132.1035	-87.537	1
1548_1549	1548	1549	33.096	1.2315	2.472	-2.985	-24.186	-172.401	1
1549_1549	1549	1549	163.0785	21.0615	-4.746	-14.166	98.091	-28.194	1
1549_1550	1549	1550	32.6535	-2.3835	0.6075	3.4515	-22.575	-167.655	1
1550_1550	1550	1550	170.7795	-14.001	-5.2155	1.542	84.708	-78.0075	1
1550_1551	1550	1551	29.178	-9.255	1.353	-0.2355	-14.8395	-114.812	1
1551_1551	1551	1551	171.0495	-10.05	-5.4495	0.27	55.206	1.2645	1
1551_1552	1551	1552	29.3865	-8.58	1.3095	-0.045	-3.7425	-42.555	1
1552_1552	1552	1552	178.2855	-2.3805	-1.2555	0.6645	9.699	86.0535	1
1552_1553	1552	1553	27.924	-7.4625	0.597	-0.1905	4.719	62.6295	1
1553_1553	1553	1553	186.1065	4.062	-0.5235	0.6705	-7.7985	124.8105	1
1553_1554	1553	1554	26.5275	-6.333	0.4065	-0.2325	7.4805	107.3445	1
1554_1554	1554	1554	185.94	8.844	-0.741	1.08	-11.5005	96.192	1
1554_1555	1554	1555	26.682	-5.649	0.372	-0.297	10.0545	147.165	1
1555_1555	1555	1555	192.0165	15.9105	-0.4215	0.8985	-16.7235	33.513	1
1555_1556	1555	1556	26.073	-4.5675	0.5655	-0.276	16.0485	194.274	1
1556_1556	1556	1556	191.499	21.249	-0.855	1.1715	-21.09	-135.897	1
1556_1557	1556	1557	26.1915	-3.84	0.5025	-0.27	17.634	207.438	1
1557_1557	1557	1557	193.0665	23.097	-5.5875	-2.8665	-24.258	-210.273	1
1557_1291	1557	1291	26.619	-3.708	-0.465	-0.4035	15.513	227.532	1
41000_1000	41000	1000	4.797	37.266	-1.5495	12.102	0	33.471	1
41000_1001	41000	1001	1.7865	7.707	-1.3725	2.6715	-23.3295	-117.483	1
41001_1001	41001	1001	4.8	37.266	-1.539	13.281	-26.34	-600.221	1
41001_1002	41001	1002	1.788	7.707	-1.368	2.9025	-38.181	-201.131	1
41002_1002	41002	1002	4.8915	39.0375	1.6005	11.04	-43.047	-1004.55	1
41002_1003	41002	1003	1.8825	7.8105	1.8975	2.4255	-15.663	-297.828	1
41003_1003	41003	1003	4.89	39.0375	1.605	12.2475	-23.5245	-1480.52	1
41003_1004	41003	1004	1.881	7.8105	1.899	2.6685	7.497	-393.068	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41004_1004	41004	1004	4.8645	42.6045	0.6945	8.97	-3.951	-1956.32	1
41004_1005	41004	1005	1.854	7.8675	0.9555	2.157	19.1445	-488.994	1
41005_1005	41005	1005	4.8645	42.6045	0.6975	10.986	4.5105	-2475.96	1
41005_1006	41005	1006	1.854	7.8675	0.957	2.556	30.8115	-584.969	1
41006_1006	41006	1006	4.8525	48.2895	0.141	5.214	13.0215	-2995.39	1
41006_1007	41006	1007	1.8435	8.136	0.513	1.8225	36.6945	-679.964	1
41007_1007	41007	1007	4.8525	48.2895	0.1455	8.133	14.7405	-3584.13	1
41007_1008	41007	1008	1.8435	8.136	0.5145	2.376	42.96	-779.163	1
41008_1008	41008	1008	4.854	0.6075	0.4035	0.1245	16.506	-4172.71	1
41008_1009	41008	1009	1.842	8.514	0.4575	1.4595	48.5295	-882.89	1
41009_1009	41009	1009	4.854	0.6075	0.408	3.1185	21.429	-4180.11	1
41009_1010	41009	1010	1.842	8.514	0.4575	2.0925	54.1185	-986.747	1
41010_1010	41010	1010	4.8555	-21.534	0.7665	-7.0095	26.3985	-4187.42	1
41010_1011	41010	1011	1.8405	9.024	0.477	0.4005	59.9295	-1096.73	1
41011_1011	41011	1011	4.854	-52.3515	0.7755	-0.222	35.742	-3924.92	1
41011_1012	41011	1012	1.8405	9.024	0.48	2.298	65.7765	-1206.67	1
41012_1012	41012	1012	4.854	-54.8475	0.987	-6.2715	45.1815	-3287.12	1
41012_1013	41012	1013	1.839	9.5865	0.4065	1.272	70.731	-1323.56	1
41013_1013	41013	1013	4.8555	-54.8475	0.9825	-8.403	57.2085	-2618.31	1
41013_1014	41013	1014	1.8405	9.5865	0.405	0.1935	75.6675	-1440.44	1
41014_1014	41014	1014	4.8555	-51.768	-0.087	-8.2965	69.186	-1949.55	1
41014_1015	41014	1015	1.8405	9.795	0.1875	0.7095	78.7965	-1604.33	1
41015_1015	41015	1015	5.3475	-58.1715	-0.066	-10.71	69.4515	-1370.59	1
41015_1016	41015	1016	1.7535	9.81	0.1845	-2.214	80.3025	-1684.21	1
41016_1016	41016	1016	6.462	-73.125	-2.361	-8.088	66.807	-1767.63	1
41016_1017	41016	1017	1.5885	10.044	-0.5895	0.456	72.5925	-1792.65	1
41017_1017	41017	1017	8.5215	-89.904	-2.3955	-9.594	31.0575	-2083.45	1
41017_1018	41017	1018	1.338	10.08	-0.5925	-4.095	64.572	-1926.6	1
41018_1018	41018	1018	10.776	-94.9935	5.238	-7.0695	0.0885	-1499.22	1
41018_1019	41018	1019	1.068	10.0215	1.6245	-1.0605	85.1685	-2052.12	1
41019_1019	41019	1019	13.581	-101.409	4.47	-8.571	61.0695	-924.134	1
41019_1020	41019	1020	0.807	10.0455	1.6215	-6.732	105.1425	-2178.4	1
41020_1020	41020	1020	31.4685	-1.3875	-0.855	-0.507	74.754	-312.965	1
41020_1021	41020	1021	143.8965	6.0585	6.5005	5.5065	-224.346	9.5025	1
41021_1021	41021	1021	31.4685	-1.3875	-0.8925	-0.6405	66.627	-292.175	1
41021_1022	41021	1022	143.907	6.0585	8.3325	3.504	-159.767	-2.679	1
41022_1022	41022	1022	31.467	-1.3875	-0.9315	-1.0005	59.7165	-281.42	1
41022_1023	41022	1023	143.9175	6.0585	8.148	3.4995	-96.627	-49.629	1
41023_1023	41023	1023	31.4655	-1.3515	-0.801	-0.876	52.4925	-270.666	1
41023_1024	41023	1024	143.9385	6.66	2.895	4.341	-73.467	-102.906	1
41024_1024	41024	1024	31.4655	-1.3515	-0.801	-0.876	46.0815	-259.856	1
41024_1025	41024	1025	143.9385	6.66	2.895	4.341	-50.307	-156.18	1
41025_1025	41025	1025	31.464	-1.3515	-0.84	-1.1865	39.6705	-249.044	1
41025_1026	41025	1026	143.9415	6.66	2.7165	4.146	-28.5795	-209.453	1
41026_1026	41026	1026	31.464	-1.377	-0.7065	-0.792	32.9475	-238.235	1
41026_1027	41026	1027	143.943	7.1895	2.085	3.7665	-16.0785	-252.563	1
41027_1027	41027	1027	31.4625	-1.377	-0.765	-1.215	28.71	-229.977	1
41027_1028	41027	1028	143.946	7.1895	1.821	3.303	-5.148	-295.742	1
41028_1028	41028	1028	31.4625	-1.377	-0.759	-1.1745	24.1185	-221.709	1
41028_1029	41028	1029	143.946	7.1895	1.8465	3.3555	5.922	-338.841	1
41029_1029	41029	1029	31.4625	-1.377	-0.765	-1.2135	19.569	-213.453	1
41029_1030	41029	1030	143.946	7.1895	1.821	3.294	16.8525	-382.014	1
41030_1030	41030	1030	31.461	-1.38	-0.8415	-1.2375	14.9775	-205.182	1
41030_1031	41030	1031	143.952	7.4445	2.5725	3.0045	37.4175	-441.537	1
41031_1031	41031	1031	31.461	-1.38	-0.8445	-1.263	8.2545	-194.153	1
41031_1032	41031	1032	143.952	7.4445	2.553	2.946	57.8565	-501.128	1
41032_1032	41032	1032	31.461	-1.38	-0.8415	-1.239	1.4895	-183.11	1
41032_1033	41032	1033	143.952	7.4445	2.5725	3.012	78.4215	-560.643	1
41033_1033	41033	1033	31.4595	-1.5825	-0.9495	-0.5715	-5.2335	-172.08	1
41033_1034	41033	1034	143.973	7.377	6.4035	4.176	128.0655	-617.846	1
41034_1034	41034	1034	31.458	-1.5825	-0.99	-0.777	-12.5925	-159.812	1
41034_1035	41034	1035	143.9805	7.377	6.219	3.384	176.2725	-675.03	1
41035_1035	41035	1035	31.4475	-1.5825	-1.2915	-2.511	-20.265	-155.342	1
41035_1036	41035	1036	144.0345	7.377	4.839	-1.887	222.246	-780.897	1
41036_1036	41036	1036	62.673	70.446	-4.488	9.2775	113.7105	2075.144	1
41036_1037	41036	1037	38.664	-15.231	-0.966	5.298	65.6235	-1983.15	1
41037_1037	41037	1037	60.8145	71.0655	-4.4985	8.7195	57.666	1231.422	1
41037_1038	41037	1038	39.051	-14.2065	-0.9975	1.992	53.3505	-1805.04	1
41038_1038	41038	1038	59.2005	74.1525	1.9425	9.975	1.425	340.4715	1
41038_1039	41038	1039	39.417	-13.545	0.747	3.174	63.159	-1625.58	1
41039_1039	41039	1039	57.357	71.109	1.824	8.859	29.28	-367.185	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41039_1040	41039	1040	39.7425	-12.5625	0.714	0.18	71.6475	-1473.99	1
41040_1040	41040	1040	56.1435	72.861	0.819	8.8785	51.177	-1107.38	1
41040_1041	41040	1041	39.9285	-11.8965	-0.3945	0.9135	68.3715	-1375.94	1
41041_1041	41041	1041	55.4895	61.5135	0.8055	7.7355	58.008	-1692.97	1
41041_1042	41041	1042	40.0335	-11.5395	-0.4035	0.0945	61.7985	-1176.55	1
41042_1042	41042	1042	55.4835	9.0945	0.132	4.479	71.148	-2696.19	1
41042_1043	41042	1043	40.0365	-11.2695	-0.111	-0.219	60.459	-1041.56	1
41043_1043	41043	1043	55.4835	9.0945	0.0855	2.145	72.7245	-2805.16	1
41043_1044	41043	1044	40.0365	-11.2695	-0.1455	-1.0845	58.722	-906.551	1
41044_1044	41044	1044	55.4835	-13.077	-0.105	-0.8325	73.749	-2914.14	1
41044_1045	41044	1045	40.035	-11.1285	-0.252	-1.047	55.7085	-773.258	1
41045_1045	41045	1045	55.482	-40.9065	-0.1515	-3.1275	72.4905	-2757.49	1
41045_1046	41045	1046	40.035	-11.1285	-0.285	-1.6905	52.296	-639.957	1
41046_1046	41046	1046	55.485	-36.6585	-0.1005	-4.959	70.68	-2267.55	1
41046_1047	41046	1047	40.035	-11.055	-0.2895	-1.659	48.822	-507.462	1
41047_1047	41047	1047	55.4835	-36.6585	-0.144	-6.3615	69.4695	-1828.14	1
41047_1048	41047	1048	40.035	-11.055	-0.321	-2.0475	44.985	-375.074	1
41048_1048	41048	1048	55.4835	-33.8205	-0.2025	-6.2685	67.7505	-1389.15	1
41048_1049	41048	1049	40.0365	-11.046	-0.2985	-1.842	41.403	-242.693	1
41049_1049	41049	1049	55.4835	-33.8205	-0.2925	-7.845	65.316	-983.811	1
41049_1050	41049	1050	40.035	-11.046	-0.363	-2.2305	37.0575	-110.429	1
41050_1050	41050	1050	55.482	-32.382	-0.423	-6.7575	61.8195	-578.888	1
41050_1051	41050	1051	40.038	-11.175	-0.186	-1.8825	34.0245	71.649	1
41051_1051	41051	1051	55.7565	-31.905	-0.5025	-7.3455	54.8685	-56.1825	1
41051_1052	41051	1052	40.131	-10.8315	-0.2445	-2.0925	31.9965	157.38	1
41052_1052	41052	1052	56.2635	-30.846	-1.098	-5.6835	50.6565	206.766	1
41052_1053	41052	1053	40.3095	-10.476	-0.5145	-1.464	25.9395	280.503	1
41053_1053	41053	1053	57.0345	-29.394	-1.1655	-6.324	37.6095	551.6535	1
41053_1054	41053	1054	40.5645	-9.4395	-0.564	-1.965	18.4245	393.0195	1
41054_1054	41054	1054	57.7095	-27.219	1.698	-5.139	22.1055	941.676	1
41054_1055	41054	1055	40.782	-8.3205	-0.1995	-1.5585	15.9315	497.3115	1
41055_1055	41055	1055	58.4445	-28.3515	1.923	-5.6175	46.005	1345.281	1
41055_1056	41055	1056	40.9845	-7.2555	-0.234	-1.551	12.99	588.528	1
41056_1056	41056	1056	30.1035	-1.734	-0.456	-0.6345	35.538	-280.899	1
41056_1057	41056	1057	124.41	8.2365	7.7445	4.437	-189.579	107.3805	1
41057_1057	41057	1057	30.1035	-1.734	-0.4785	-0.7965	31.2015	-262.704	1
41057_1058	41057	1058	124.4145	8.2365	7.656	4.077	-130.278	50.6685	1
41058_1058	41058	1058	30.1035	-1.734	-0.4785	-0.7965	27.498	-249.269	1
41058_1059	41058	1059	124.4145	8.2365	7.656	4.077	-70.9755	-13.137	1
41059_1059	41059	1059	30.1065	-1.683	-0.126	-0.708	23.7945	-235.835	1
41059_1060	41059	1060	124.3815	8.6355	2.4105	4.7475	-51.6765	-82.29	1
41060_1060	41060	1060	30.105	-1.683	-0.1605	-0.969	22.7865	-222.357	1
41060_1061	41060	1061	124.3845	8.6355	2.265	4.6515	-33.564	-151.347	1
41061_1061	41061	1061	30.105	-1.683	-0.201	-1.245	21.4995	-208.896	1
41061_1062	41061	1062	124.386	8.6355	2.1	4.4505	-16.7505	-220.487	1
41062_1062	41062	1062	30.1065	-1.71	-0.12	-0.801	19.8915	-195.425	1
41062_1063	41062	1063	124.3845	9.0045	1.9605	4.4025	-4.9845	-274.523	1
41063_1063	41063	1063	30.1065	-1.71	-0.1665	-1.0905	19.1745	-185.165	1
41063_1064	41063	1064	124.3875	9.0045	1.7655	3.9735	5.598	-328.475	1
41064_1064	41064	1064	30.1065	-1.71	-0.1695	-1.1085	18.177	-174.923	1
41064_1065	41064	1065	124.3875	9.0045	1.7535	3.9405	16.122	-382.511	1
41065_1065	41065	1065	30.105	-1.71	-0.219	-1.383	17.16	-164.661	1
41065_1066	41065	1066	124.389	9.0045	1.5465	3.303	25.4025	-436.547	1
41066_1066	41066	1066	30.1065	-1.6965	-0.1095	-1.113	15.8415	-154.407	1
41066_1067	41066	1067	124.3995	9.1755	2.4165	3.843	44.7405	-509.988	1
41067_1067	41067	1067	30.1065	-1.6965	-0.147	-1.2885	14.961	-140.825	1
41067_1068	41067	1068	124.4025	9.1755	2.2605	3.207	62.835	-583.425	1
41068_1068	41068	1068	30.1065	-1.6965	-0.1455	-1.2795	13.779	-127.244	1
41068_1069	41068	1069	124.4025	9.1755	2.2695	3.249	80.9775	-656.766	1
41069_1069	41069	1069	30.0975	-1.83	-0.744	-1.215	12.615	-113.681	1
41069_1070	41069	1070	124.4535	9.2655	4.8585	2.3925	118.6395	-728.607	1
41070_1070	41070	1070	30.0975	-1.83	-0.744	-1.215	6.846	-99.4935	1
41070_1071	41070	1071	124.4535	9.2655	4.8585	2.3925	156.3015	-800.433	1
41071_1071	41071	1071	30.0975	-1.83	-0.765	-1.3275	1.077	-87.36	1
41071_1072	41071	1072	124.458	9.2655	4.7715	2.157	201.6	-896.901	1
41072_1072	41072	1072	52.896	69.894	-4.8765	9.6645	120.0525	1878.648	1
41072_1073	41072	1073	22.614	0.36	0.288	-1.8165	-48.162	591.057	1
41073_1073	41073	1073	51.0525	71.2485	-4.911	8.8845	58.914	999.906	1
41073_1074	41073	1074	22.5975	0.9495	0.2715	-0.114	-44.8305	579.159	1
41074_1074	41074	1074	49.4865	74.349	2.4225	10.608	-2.496	106.9065	1
41074_1075	41074	1075	22.767	-11.9115	0.642	3.8595	61.698	-1627.75	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41075_1075	41075	1075	47.6565	70.707	2.364	8.3805	31.869	-577.635	1
41075_1076	41075	1076	23.067	-11.3235	0.6135	0.069	69.0495	-1487.22	1
41076_1076	41076	1076	46.4805	74.01	0.582	9.5865	59.7675	-1409.09	1
41076_1077	41076	1077	23.232	-10.749	-0.1605	2.0085	67.686	-1398.64	1
41077_1077	41077	1077	45.8445	61.374	0.5235	6.6405	64.644	-2035.83	1
41077_1078	41077	1078	23.3235	-10.5495	-0.1905	-0.423	64.8705	-1250.46	1
41078_1078	41078	1078	45.8385	10.062	-0.18	5.28	72.399	-2945.82	1
41078_1079	41078	1079	23.3235	-10.38	-0.1845	0.264	62.8005	-1133.68	1
41079_1079	41079	1079	45.8385	10.062	-0.2235	2.4405	70.3695	-3059.04	1
41079_1080	41079	1080	23.3235	-10.38	-0.2055	-0.7875	60.4845	-1016.79	1
41080_1080	41080	1080	45.84	-3.3585	-0.066	0.492	67.8585	-3172.39	1
41080_1081	41080	1081	23.322	-10.221	-0.3015	-0.6015	57.093	-901.718	1
41081_1081	41081	1081	45.84	-40.0575	-0.1065	-2.289	67.122	-3134.56	1
41081_1082	41081	1082	23.322	-10.221	-0.3225	-1.401	53.469	-786.627	1
41082_1082	41082	1082	45.8415	-35.5875	-0.0105	-2.673	65.9295	-2683.53	1
41082_1083	41082	1083	23.322	-10.089	-0.3075	-0.978	49.7385	-664.56	1
41083_1083	41083	1083	45.8415	-35.5875	-0.087	-6.3945	65.796	-2252.9	1
41083_1084	41083	1084	23.322	-10.089	-0.3465	-2.076	45.543	-542.483	1
41084_1084	41084	1084	45.843	-32.3745	-0.033	-5.091	64.749	-1822.32	1
41084_1085	41084	1085	23.322	-10.0125	-0.3165	-1.479	41.9745	-429.771	1
41085_1085	41085	1085	45.843	-32.3745	-0.114	-7.6785	64.3845	-1457.83	1
41085_1086	41085	1086	23.322	-10.0125	-0.3585	-2.2425	37.9395	-317.052	1
41086_1086	41086	1086	45.843	-30.2505	-0.126	-6.234	63.1035	-1093.38	1
41086_1087	41086	1087	23.322	-9.9945	-0.36	-1.8	33.8865	-204.537	1
41087_1087	41087	1087	45.843	-30.2505	-0.2085	-7.5705	61.68	-752.808	1
41087_1088	41087	1088	23.3205	-9.9945	-0.402	-2.163	29.37	-92.019	1
41088_1088	41088	1088	45.843	-29.223	-0.2565	-6.441	59.3415	-412.281	1
41088_1089	41088	1089	23.3235	-10.083	-0.156	-1.857	27.135	51.747	1
41089_1089	41089	1089	46.0995	-31.323	-0.2535	-7.3395	57.909	-33.375	1
41089_1090	41089	1090	23.4105	-9.879	-0.15	-2.0775	25.875	137.9625	1
41090_1090	41090	1090	46.608	-30.453	-1.3275	-5.541	55.752	225.207	1
41090_1091	41090	1091	23.577	-9.723	-0.6795	-1.5105	17.883	252.1995	1
41091_1091	41091	1091	47.3625	-29.2665	-1.353	-6.456	40.0035	575.46	1
41091_1092	41091	1092	23.814	-9.1245	-0.6915	-1.938	8.664	369.366	1
41092_1092	41092	1092	48.066	-29.103	1.8015	-5.736	22.029	984.699	1
41092_1093	41092	1093	24.0255	-8.37	-0.156	-1.791	6.69	474.3345	1
41093_1093	41093	1093	48.8505	-30.351	1.977	-5.157	47.6385	1403.73	1
41093_1094	41093	1094	24.2355	-7.737	-0.192	-1.2225	4.3005	571.5075	1
41094_1094	41094	1094	34.8315	1.2585	0.789	1.1895	-10.6515	-89.3355	1
41094_1095	41094	1095	128.331	7.152	7.281	4.6995	-180.048	8.43	1
41095_1095	41095	1095	34.8315	1.2585	0.78	1.1235	-3.15	-99.561	1
41095_1096	41095	1096	128.3325	7.152	7.2465	4.3395	-123.867	-40.602	1
41096_1096	41096	1096	34.833	1.2585	0.6915	0.8445	2.895	-109.325	1
41096_1097	41096	1097	128.3505	7.152	6.9195	4.236	-70.2945	-95.9835	1
41097_1097	41097	1097	34.8285	1.161	0.2205	1.1175	8.2455	-119.075	1
41097_1098	41097	1098	128.3085	7.5705	2.4495	4.6035	-50.694	-156.561	1
41098_1098	41098	1098	34.8285	1.161	0.177	0.957	10.0155	-128.364	1
41098_1099	41098	1099	128.3115	7.5705	2.289	4.4085	-32.379	-217.143	1
41099_1099	41099	1099	34.8285	1.161	0.177	0.957	11.4375	-137.652	1
41099_1100	41099	1100	128.3115	7.5705	2.289	4.4085	-14.0625	-277.718	1
41100_1100	41100	1100	34.8285	1.2165	0.03	0.057	12.8595	-146.936	1
41100_1101	41100	1101	128.307	8.1105	1.287	1.7715	-6.342	-326.375	1
41101_1101	41101	1101	34.8285	1.2165	0.0315	0.0615	13.0395	-154.232	1
41101_1102	41101	1102	128.307	8.1105	1.2915	1.7835	1.3935	-374.963	1
41102_1102	41102	1102	34.8255	1.2165	0.4365	1.9395	13.227	-161.505	1
41102_1103	41102	1103	128.2845	8.1105	2.7825	6.141	18.0945	-423.603	1
41103_1103	41103	1103	34.8255	1.2165	0.378	1.6575	15.8445	-168.806	1
41103_1104	41103	1104	128.289	8.1105	2.568	5.436	33.513	-472.296	1
41104_1104	41104	1104	34.8255	1.248	0.288	1.0215	18.114	-176.105	1
41104_1105	41104	1105	128.289	8.442	2.6715	3.7965	54.8625	-539.787	1
41105_1105	41105	1105	34.827	1.248	0.243	0.783	20.415	-186.083	1
41105_1106	41105	1106	128.2935	8.442	2.505	3.1005	74.916	-607.364	1
41106_1106	41106	1106	34.827	1.248	0.243	0.783	22.359	-196.073	1
41106_1107	41106	1107	128.2935	8.442	2.505	3.1005	94.971	-674.936	1
41107_1107	41107	1107	34.8285	1.2645	0.4815	0.7095	24.3045	-206.064	1
41107_1108	41107	1108	128.3055	8.499	4.5315	2.4675	130.0575	-740.754	1
41108_1108	41108	1108	34.8285	1.2645	0.48	0.702	28.0275	-215.852	1
41108_1109	41108	1109	128.307	8.499	4.527	2.4405	165.153	-806.652	1
41109_1109	41109	1109	34.8285	1.2645	0.444	0.498	31.7445	-227.631	1
41109_1110	41109	1110	128.3115	8.499	4.3965	1.869	206.931	-894.725	1
41110_1110	41110	1110	62.61	51.588	-4.389	8.184	139.335	2049.213	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41110_1111	41110	1111	24.5715	-13.956	-1.653	6.3945	90.9615	-1976.34	1
41111_1111	41111	1111	61.233	50.589	-4.293	8.0595	83.3985	1431.764	1
41111_1112	41111	1112	24.9255	-13.3065	-1.695	0.8145	70.0905	-1809.48	1
41112_1112	41112	1112	60.0825	52.179	1.4745	9.678	30.4665	828.4365	1
41112_1113	41112	1113	25.2585	-12.897	0.3915	3.714	75.045	-1638.38	1
41113_1113	41113	1113	58.8075	49.113	1.284	8.064	51.0105	284.355	1
41113_1114	41113	1114	25.5765	-12.2565	0.3585	-0.2865	79.3845	-1490.15	1
41114_1114	41114	1114	57.987	49.815	0.402	10.203	65.8845	-239.154	1
41114_1115	41114	1115	25.7685	-11.8395	-0.423	2.8605	75.843	-1392.5	1
41115_1115	41115	1115	57.5565	48.3045	0.2715	8.1675	68.7795	-566.889	1
41115_1116	41115	1116	25.869	-11.613	-0.4785	-0.864	68.7885	-1222.16	1
41116_1116	41116	1116	57.5565	51.507	-0.4665	8.631	72.7815	-1280.48	1
41116_1117	41116	1117	25.869	-11.364	-0.3855	0.0075	64.446	-1094.3	1
41117_1117	41117	1117	57.5565	51.507	-0.5175	6.978	67.5375	-1860.05	1
41117_1118	41117	1118	25.869	-11.364	-0.4095	-0.9645	59.844	-966.44	1
41118_1118	41118	1118	57.555	56.679	-0.3795	6.9075	61.719	-2439.61	1
41118_1119	41118	1119	25.869	-11.1825	-0.468	-0.4305	54.573	-840.503	1
41119_1119	41119	1119	57.555	1.479	-0.4815	1.4835	57.447	-3077.91	1
41119_1120	41119	1120	25.8675	-11.1825	-0.513	-1.9125	48.7935	-714.68	1
41120_1120	41120	1120	57.555	7.818	-0.288	0.15	52.038	-3094.55	1
41120_1121	41120	1121	25.8675	-11.0685	-0.4815	-1.4505	42.9705	-580.74	1
41121_1121	41121	1121	57.555	-17.034	-0.336	-2.451	48.5445	-3189.15	1
41121_1122	41121	1122	25.8675	-11.0685	-0.5025	-1.9245	36.897	-446.912	1
41122_1122	41122	1122	57.5535	-44.6835	-0.0735	-5.058	44.487	-2983.19	1
41122_1123	41122	1123	25.866	-11.0205	-0.4995	-1.8345	31.269	-322.806	1
41123_1123	41123	1123	57.5535	-55.17	-0.123	-7.236	43.6635	-2480.01	1
41123_1124	41123	1124	25.866	-11.0205	-0.522	-2.118	25.392	-198.813	1
41124_1124	41124	1124	57.5535	-50.658	-0.0615	-7.404	42.2715	-1859.31	1
41124_1125	41124	1125	25.8645	-11.0115	-0.486	-1.965	19.911	-74.82	1
41125_1125	41125	1125	57.5535	-50.658	-0.1635	-9.684	41.5785	-1288.86	1
41125_1126	41125	1126	25.8645	-11.0115	-0.5325	-2.0985	13.9215	49.0605	1
41126_1126	41126	1126	57.5535	-48.0225	-0.828	-8.757	39.7395	-718.938	1
41126_1127	41126	1127	25.8645	-11.094	-0.39	-1.989	8.472	203.8245	1
41127_1127	41127	1127	57.9615	-47.5275	-0.8925	-8.8185	28.107	-33.8805	1
41127_1128	41127	1128	25.9575	-10.872	-0.42	-1.725	4.998	300.321	1
41128_1128	41128	1128	58.7235	-48.2835	-1.917	-8.3415	20.8245	287.856	1
41128_1129	41128	1129	26.136	-10.6185	-0.789	-1.878	-4.3035	425.136	1
41129_1129	41129	1129	59.9715	-49.6605	-2.1135	-7.5135	-2.6445	779.811	1
41129_1130	41129	1130	26.3985	-9.945	-0.843	-1.1475	-15.4995	548.8815	1
41130_1130	41130	1130	61.122	-50.43	3.3195	-7.509	-33.3765	1396.068	1
41130_1131	41130	1131	26.6235	-9.0675	-0.405	-1.629	-20.661	662.544	1
41131_1131	41131	1131	62.4735	-52.1445	3.573	-6.4245	9.7575	2015.514	1
41131_1132	41131	1132	26.8515	-8.367	-0.426	-0.5595	-25.9905	767.766	1
41132_1132	41132	1132	35.0865	-0.1575	0.327	-0.0195	6.78	-173.052	1
41132_1133	41132	1133	138.3585	1.0455	5.346	2.751	-127.254	-329.363	1
41133_1133	41133	1133	35.0865	-0.1575	0.372	0.123	9.8835	-164.088	1
41133_1134	41133	1134	138.3525	1.0455	5.5245	1.9995	-84.435	-308.006	1
41134_1134	41134	1134	35.076	-0.1575	0.915	2.6445	12.765	-162.848	1
41134_1135	41134	1135	138.2505	1.0455	7.6665	6.768	-25.0125	-316.046	1
41135_1135	41135	1135	35.094	-0.0255	-0.0555	0.822	19.857	-161.667	1
41135_1136	41135	1136	138.363	2.058	1.1685	3.3975	-15.663	-332.571	1
41136_1136	41136	1136	35.094	-0.0255	-0.012	1.0245	19.4115	-161.468	1
41136_1137	41136	1137	138.3615	2.058	1.341	3.813	-4.9305	-349.029	1
41137_1137	41137	1137	35.094	-0.0255	-0.0555	0.822	19.317	-161.27	1
41137_1138	41137	1138	138.363	2.058	1.1685	3.3765	4.4205	-365.496	1
41138_1138	41138	1138	35.0925	-0.0165	0.075	0.8205	18.8715	-161.076	1
41138_1139	41138	1139	138.3675	2.5455	1.107	2.7885	11.055	-380.771	1
41139_1139	41139	1139	35.0925	-0.0165	0.015	0.5475	19.323	-160.982	1
41139_1140	41139	1140	138.369	2.5455	0.8715	2.1405	16.287	-396.053	1
41140_1140	41140	1140	35.0925	-0.0165	0.015	0.5475	19.4175	-160.887	1
41140_1141	41140	1141	138.369	2.5455	0.8715	2.1405	21.5175	-411.332	1
41141_1141	41141	1141	35.0925	-0.0165	0.0735	0.8145	19.5105	-160.79	1
41141_1142	41141	1142	138.3675	2.5455	1.1025	2.826	28.134	-426.608	1
41142_1142	41142	1142	35.0925	-0.021	0.021	0.492	19.956	-160.697	1
41142_1143	41142	1143	138.36	2.796	1.4025	1.7145	39.36	-448.994	1
41143_1143	41143	1143	35.0925	-0.021	0.021	0.492	20.13	-160.532	1
41143_1144	41143	1144	138.36	2.796	1.4025	1.7145	50.586	-471.368	1
41144_1144	41144	1144	35.0925	-0.021	0.066	0.693	20.304	-160.367	1
41144_1145	41144	1145	138.357	2.796	1.5765	2.3025	63.195	-493.739	1
41145_1145	41145	1145	35.091	0.015	0.174	0.456	20.8275	-160.205	1
41145_1146	41145	1146	138.3255	2.88	3.0615	1.2105	86.8935	-516.056	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41146_1146	41146	1146	35.091	0.015	0.1725	0.4515	22.173	-160.322	1
41146_1147	41146	1147	138.3255	2.88	3.057	1.1955	110.592	-538.383	1
41147_1147	41147	1147	35.091	0.015	0.15	0.378	23.5125	-167.421	1
41147_1148	41147	1148	138.3285	2.88	2.9685	1.44	138.795	-593.279	1
41148_1148	41148	1148	94.9875	45.9855	-3.6675	6.2715	78.009	2149.055	1
41148_1149	41148	1149	47.004	-16.8975	-0.9945	3.7035	57.984	-1720.81	1
41149_1149	41149	1149	93.7485	48.4545	-3.7365	6.663	31.986	1571.127	1
41149_1150	41149	1150	47.4285	-15.6615	-1.032	0.8415	45.234	-1524.59	1
41150_1150	41150	1150	92.496	49.4205	1.4685	7.4205	-13.005	1012.769	1
41150_1151	41150	1151	47.7915	-14.355	0.2145	2.1225	47.964	-1334.09	1
41151_1151	41151	1151	91.2015	51.738	1.404	7.0545	6.6915	386.5725	1
41151_1152	41151	1152	48.1425	-13.128	0.18	-0.105	50.1465	-1164.32	1
41152_1152	41152	1152	90.3735	54.8445	0.954	7.851	23.3055	-221.646	1
41152_1153	41152	1153	48.3585	-12.108	-0.1905	0.3045	48.552	-1064.38	1
41153_1153	41153	1153	89.9025	55.614	0.9345	7.3365	31.2495	-665.171	1
41153_1154	41153	1154	48.4605	-11.6955	-0.2025	-0.3315	45.777	-898.767	1
41154_1154	41154	1154	89.922	55.803	-0.0225	6.3045	44.0895	-1429.49	1
41154_1155	41154	1155	48.462	-11.3625	-0.2775	-0.42	42.723	-773.76	1
41155_1155	41155	1155	89.922	45.6915	-0.105	4.449	43.836	-2043.45	1
41155_1156	41155	1156	48.462	-11.3625	-0.321	-1.1235	39.186	-648.744	1
41156_1156	41156	1156	89.922	-3.6195	0.015	2.2575	42.684	-2546.25	1
41156_1157	41156	1157	48.4635	-11.181	-0.315	-0.948	36.0345	-536.69	1
41157_1157	41157	1157	89.922	-3.93	-0.0735	-0.1965	42.828	-2509.97	1
41157_1158	41157	1158	48.462	-11.181	-0.3615	-1.473	32.4135	-424.739	1
41158_1158	41158	1158	89.9205	1.6005	0.0435	-2.0475	42.09	-2470.7	1
41158_1159	41158	1159	48.462	-11.0985	-0.2355	-1.302	30.048	-313.511	1
41159_1159	41159	1159	89.9205	-53.5995	-0.045	-4.4775	42.519	-2486.74	1
41159_1160	41159	1160	48.4605	-11.0985	-0.2835	-1.608	27.2115	-202.388	1
41160_1160	41160	1160	89.922	-48.933	0.0255	-6.3885	42.0675	-1950.18	1
41160_1161	41160	1161	48.462	-11.0715	-0.282	-1.518	24.102	-80.5695	1
41161_1161	41161	1161	89.922	-48.933	0.0255	-6.3885	42.3405	-1411.81	1
41161_1162	41161	1162	48.462	-11.0715	-0.282	-1.518	20.9925	41.2515	1
41162_1162	41162	1162	89.943	-46.2465	-1.0695	-7.212	42.612	-873.44	1
41162_1163	41162	1163	48.465	-11.1585	-0.447	-1.308	14.856	194.613	1
41163_1163	41163	1163	90.3495	-49.23	-1.098	-7.6485	28.4805	-383.901	1
41163_1164	41163	1164	48.558	-10.749	-0.435	-1.509	11.2515	279.87	1
41164_1164	41164	1164	91.1055	-46.5855	-1.2705	-6.651	19.332	22.3725	1
41164_1165	41164	1165	48.729	-10.191	-0.4005	-0.951	6.5265	399.681	1
41165_1165	41165	1165	92.259	-44.2875	-1.2765	-7.068	4.1955	546.03	1
41165_1166	41165	1166	48.972	-8.949	-0.4035	-1.2015	1.1415	505.845	1
41166_1166	41166	1166	93.1995	-42.897	3.165	-6.1905	-14.1735	1115.798	1
41166_1167	41166	1167	49.1745	-7.668	-0.189	-1.083	-1.251	601.9125	1
41167_1167	41167	1167	94.293	-40.4685	3.0945	-5.5155	25.458	1653.278	1
41167_1168	41167	1168	49.359	-6.378	-0.2295	-0.561	-4.107	682.062	1
41168_1168	41168	1168	31.6545	-0.1425	-0.234	-0.3645	25.707	-150.2	1
41168_1169	41168	1169	121.167	-5.133	-2.757	-1.464	94.992	-537.618	1
41169_1169	41169	1169	31.6545	-0.1425	-0.2475	-0.3735	23.4765	-142.253	1
41169_1170	41169	1170	121.1655	-5.133	-2.8065	-1.0995	73.2405	-472.592	1
41170_1170	41170	1170	31.6545	-0.1425	-0.2475	-0.3735	21.5565	-141.147	1
41170_1171	41170	1171	121.1655	-5.133	-2.8065	-1.0995	51.489	-432.798	1
41171_1171	41171	1171	31.653	-0.1185	-0.2085	-0.5655	19.638	-140.043	1
41171_1172	41171	1172	121.137	-5.106	-1.5345	-2.073	39.2115	-391.955	1
41172_1172	41172	1172	31.6545	-0.1185	-0.168	-0.3885	17.967	-139.092	1
41172_1173	41172	1173	121.1385	-5.106	-1.38	-1.572	28.1865	-351.15	1
41173_1173	41173	1173	31.653	-0.1185	-0.2085	-0.564	16.6215	-138.141	1
41173_1174	41173	1174	121.137	-5.106	-1.5345	-2.0205	15.9105	-310.292	1
41174_1174	41174	1174	31.65	-0.1185	-0.036	-0.6555	14.9505	-137.192	1
41174_1175	41174	1175	121.125	-4.9335	-0.8595	-2.4525	10.7565	-280.692	1
41175_1175	41175	1175	31.65	-0.1185	0.0165	-0.429	14.7345	-136.484	1
41175_1176	41175	1176	121.1265	-4.9335	-0.657	-1.986	6.813	-251.088	1
41176_1176	41176	1176	31.65	-0.1185	-0.036	-0.6555	14.835	-135.773	1
41176_1177	41176	1177	121.125	-4.9335	-0.8595	-2.403	1.659	-221.477	1
41177_1177	41177	1177	31.65	-0.1185	-0.036	-0.6555	14.6175	-135.063	1
41177_1178	41177	1178	121.125	-4.9335	-0.8595	-2.403	-3.495	-191.87	1
41178_1178	41178	1178	31.653	-0.1065	-0.117	-0.5925	14.4015	-134.357	1
41178_1179	41178	1179	121.14	-4.6365	-1.359	-2.8095	-14.3595	-154.829	1
41179_1179	41179	1179	31.653	-0.1065	-0.1575	-0.762	13.464	-133.506	1
41179_1180	41179	1180	121.137	-4.6365	-1.5135	-3.0075	-26.475	-117.72	1
41180_1180	41180	1180	31.653	-0.1065	-0.1575	-0.762	12.201	-132.654	1
41180_1181	41180	1181	121.137	-4.6365	-1.5135	-3.0075	-38.589	-80.6175	1
41181_1181	41181	1181	31.662	-0.1155	-0.573	-0.7545	10.938	-131.805	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41181_1182	41181	1182	121.2225	-4.053	-5.6805	-2.355	-82.626	-49.1955	1
41182_1182	41182	1182	31.662	-0.1155	-0.573	-0.7545	6.495	-130.91	1
41182_1183	41182	1183	121.2225	-4.053	-5.6805	-2.355	-126.663	-17.784	1
41183_1183	41183	1183	31.662	-0.1155	-0.5595	-0.804	2.052	-135.879	1
41183_1184	41183	1184	121.224	-4.053	-5.631	-3.3915	-180.174	-1.7325	1
41184_1184	41184	1184	70.839	51.4095	-3.537	7.446	64.2285	2290.974	1
41184_1185	41184	1185	25.4235	8.8725	0.2835	1.1565	-5.3505	542.4525	1
41185_1185	41185	1185	69.4665	53.253	-3.486	5.6355	20.1045	1645.454	1
41185_1186	41185	1186	25.1805	9.5385	0.303	0.873	-1.4925	422.868	1
41186_1186	41186	1186	68.1285	53.223	1.659	7.596	-21.843	1026.581	1
41186_1187	41186	1187	24.9315	10.236	0.624	1.4445	6.792	287.052	1
41187_1187	41187	1187	66.759	54.933	1.662	7.14	0.369	337.434	1
41187_1188	41187	1188	24.6645	10.8645	0.6255	1.095	14.1885	165.7035	1
41188_1188	41188	1188	65.9265	53.526	1.323	9.1635	19.953	-174.615	1
41188_1189	41188	1189	24.519	-9.111	-0.045	0.1335	43.053	-915.228	1
41189_1189	41189	1189	65.4735	54.081	1.353	8.9625	30.927	-604.967	1
41189_1190	41189	1190	24.5955	-8.904	-0.033	0.1965	42.591	-788.703	1
41190_1190	41190	1190	65.493	57.0945	0.3375	7.0665	49.5285	-1348.75	1
41190_1191	41190	1191	24.597	-8.6595	-0.1935	-0.9435	40.4595	-693.429	1
41191_1191	41191	1191	65.4915	57.0945	0.3975	8.8635	53.241	-1976.92	1
41191_1192	41191	1192	24.5985	-8.6595	-0.171	-0.3135	38.5755	-598.151	1
41192_1192	41192	1192	65.4975	6.6675	0.132	3.927	57.6075	-2605.19	1
41192_1193	41192	1193	24.5985	-8.4795	-0.201	-0.8895	36.54	-512.411	1
41193_1193	41193	1193	65.4975	6.6675	0.0675	1.284	58.941	-2672.63	1
41193_1194	41193	1194	24.5985	-8.4795	-0.225	-1.3965	34.2585	-426.66	1
41194_1194	41194	1194	65.493	10.083	0.2925	-2.9685	59.6205	-2740.21	1
41194_1195	41194	1195	24.597	-8.373	-0.153	-1.4355	32.718	-341.997	1
41195_1195	41195	1195	65.493	-43.281	0.2925	-2.9685	62.5785	-2842.18	1
41195_1196	41195	1196	24.597	-8.373	-0.153	-1.4355	31.1775	-257.322	1
41196_1196	41196	1196	65.5005	-48.186	-0.0315	-8.9115	65.5365	-2404.62	1
41196_1197	41196	1197	24.5985	-8.364	-0.1995	-1.6635	28.9905	-165.293	1
41197_1197	41197	1197	65.5005	-52.6395	0.0285	-7.1715	65.187	-1874.49	1
41197_1198	41197	1198	24.5985	-8.364	-0.1755	-1.5105	27.054	-73.347	1
41198_1198	41198	1198	65.532	-49.8735	-1.1775	-9.6315	65.5065	-1295.89	1
41198_1199	41198	1199	24.6	-8.436	-0.2895	-1.392	23.079	42.6705	1
41199_1199	41199	1199	65.9475	-49.323	-1.1625	-10.173	49.221	-625.584	1
41199_1200	41199	1200	24.6705	-8.229	-0.2835	-1.6635	20.7315	104.724	1
41200_1200	41200	1200	66.7155	-49.446	-1.179	-9.117	39.687	-292.803	1
41200_1201	41200	1201	24.804	-8.0235	-0.306	-1.023	17.121	199.071	1
41201_1201	41201	1201	67.947	-47.9415	-1.1865	-10.1475	25.5315	263.2965	1
41201_1202	41201	1202	24.9975	-7.395	-0.3075	-1.545	13.0095	289.4355	1
41202_1202	41202	1202	68.9325	-48.9255	4.044	-8.4825	7.74	847.428	1
41202_1203	41202	1203	25.1685	-6.7935	-0.099	-1.0485	11.7795	374.637	1
41203_1203	41203	1203	70.173	-47.328	4.059	-10.014	58.275	1460.019	1
41203_1204	41203	1204	25.3365	-6.141	-0.099	-1.353	10.497	451.8105	1
41204_1204	41204	1204	32.661	-1.0995	-0.6735	-0.7815	42.1605	-219.018	1
41204_1205	41204	1205	125.8395	-8.274	-4.5045	-2.8845	147.597	-727.593	1
41205_1205	41205	1205	32.6625	-1.0995	-0.651	-0.465	35.766	-199.727	1
41205_1206	41205	1206	125.8425	-8.274	-4.4205	-1.2	113.3805	-629.468	1
41206_1206	41206	1206	32.6625	-1.0995	-0.6525	-0.4695	30.726	-191.213	1
41206_1207	41206	1207	125.8425	-8.274	-4.4235	-1.2165	79.0935	-565.326	1
41207_1207	41207	1207	32.6565	-1.0515	-0.4095	-0.699	25.674	-182.699	1
41207_1208	41207	1208	125.787	-8.262	-2.2335	-2.8545	61.221	-499.271	1
41208_1208	41208	1208	32.655	-1.0515	-0.45	-0.9165	22.3965	-174.281	1
41208_1209	41208	1209	125.784	-8.262	-2.391	-3.4785	42.09	-433.157	1
41209_1209	41209	1209	32.655	-1.0515	-0.45	-0.9165	18.792	-165.864	1
41209_1210	41209	1210	125.784	-8.262	-2.391	-3.4785	22.959	-367.047	1
41210_1210	41210	1210	32.655	-1.029	-0.3255	-0.8355	15.1875	-157.454	1
41210_1211	41210	1211	125.766	-8.094	-1.392	-3.603	14.6025	-318.495	1
41211_1211	41211	1211	32.6535	-1.029	-0.3795	-1.0875	13.236	-151.272	1
41211_1212	41211	1212	125.7645	-8.094	-1.602	-4.134	4.9875	-269.912	1
41212_1212	41212	1212	32.6535	-1.029	-0.378	-1.0815	10.956	-145.094	1
41212_1213	41212	1213	125.7645	-8.094	-1.5975	-4.125	-4.5855	-221.417	1
41213_1213	41213	1213	32.655	-1.029	-0.3255	-0.855	8.688	-138.926	1
41213_1214	41213	1214	125.766	-8.094	-1.392	-3.7635	-12.942	-172.845	1
41214_1214	41214	1214	32.655	-1.014	-0.447	-1.17	6.7365	-132.747	1
41214_1215	41214	1215	125.79	-7.7895	-2.655	-4.686	-34.1865	-110.531	1
41215_1215	41215	1215	32.6565	-1.014	-0.4065	-1.014	3.159	-124.641	1
41215_1216	41215	1216	125.793	-7.7895	-2.4975	-4.548	-54.174	-48.21	1
41216_1216	41216	1216	32.655	-1.014	-0.447	-1.1595	-0.0915	-116.532	1
41216_1217	41216	1217	125.79	-7.7895	-2.655	-4.6095	-75.4185	14.121	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41217_1217	41217	1217	32.6655	-1.044	-0.759	-1.0515	-3.669	-108.423	1
41217_1218	41217	1218	125.91	-7.182	-7.008	-3.0765	-129.744	69.8295	1
41218_1218	41218	1218	32.6655	-1.044	-0.759	-1.0485	-9.5565	-100.326	1
41218_1219	41218	1219	125.91	-7.182	-7.005	-3.0795	-183.975	125.4285	1
41219_1219	41219	1219	32.664	-1.044	-0.78	-1.299	-15.429	-100.131	1
41219_1220	41219	1220	125.9055	-7.182	-7.089	-4.707	-251.34	163.2495	1
41220_1220	41220	1220	62.838	44.754	-3.297	5.487	96.693	2104.25	1
41220_1221	41220	1221	30.906	9.75	0.24	0.6885	18.969	548.877	1
41221_1221	41221	1221	61.704	42.7785	-3.243	10.8915	53.292	1522.403	1
41221_1222	41221	1222	30.645	10.542	0.0975	2.8275	20.007	416.7225	1
41222_1222	41222	1222	60.6105	45.537	1.302	9.6735	12.9435	986.079	1
41222_1223	41222	1223	30.3795	11.4915	0.4575	2.205	26.1435	264.2295	1
41223_1223	41223	1223	59.4885	43.8285	0.9915	9.639	31.4445	451.7655	1
41223_1224	41223	1224	30.0825	12.252	0.342	2.457	30.195	129.5925	1
41224_1224	41224	1224	58.794	45.396	1.0305	11.8125	43.2195	-63.3735	1
41224_1225	41224	1225	29.8845	12.5775	0.348	2.994	33.087	25.8225	1
41225_1225	41225	1225	58.4175	45.882	0.8175	9.789	51.813	-438.062	1
41225_1226	41225	1226	29.7795	12.825	0.2385	2.814	37.032	-184.715	1
41226_1226	41226	1226	58.431	47.697	0.093	13.419	65.2185	-1190.87	1
41226_1227	41226	1227	29.7765	12.738	0.2865	3.9045	40.572	-341.877	1
41227_1227	41227	1227	58.4295	47.697	-0.192	4.7535	66.3585	-1779.5	1
41227_1228	41227	1228	29.778	12.738	0.1425	2.2395	42.3225	-498.957	1
41228_1228	41228	1228	58.41	43.077	0.2295	8.805	63.987	-2367.27	1
41228_1229	41228	1229	29.7675	12.861	0.39	3.8175	47.1375	-657.578	1
41229_1229	41229	1229	58.41	13.1985	0.039	-0.627	66.8235	-2898.9	1
41229_1230	41229	1230	29.7675	12.861	0.294	1.6785	50.754	-816.185	1
41230_1230	41230	1230	58.4265	-14.5575	-0.624	1.0755	67.3125	-3060.89	1
41230_1231	41230	1231	29.784	13.0095	-0.1815	3.4875	48.5175	-976.382	1
41231_1231	41231	1231	58.4235	-14.5575	-0.8145	-8.3235	59.6175	-2881.34	1
41231_1232	41231	1232	29.7825	13.0095	-0.279	0.3015	45.0855	-1136.72	1
41232_1232	41232	1232	58.4415	-66.6495	-1.4925	-4.662	49.5795	-2701.4	1
41232_1233	41232	1233	29.7855	13.2645	-0.462	3.84	40.518	-1267.53	1
41233_1233	41233	1233	58.437	-66.6495	-1.6785	-11.166	34.833	-2042.64	1
41233_1234	41233	1234	29.784	13.2645	-0.5565	-0.1965	34.125	-1419.76	1
41234_1234	41234	1234	58.6935	-66.417	-1.9425	-17.037	15.5085	-1279.06	1
41234_1235	41234	1235	29.7285	13.383	-0.6915	-6.7545	31.926	-1462.46	1
41235_1235	41235	1235	59.637	-67.4295	1.8165	-9.657	7.368	-1263.13	1
41235_1236	41235	1236	29.4105	13.926	1.0785	1.2855	39.69	-1561.56	1
41236_1236	41236	1236	59.5065	-67.548	1.6965	-11.226	20.34	-781.257	1
41236_1237	41236	1237	29.4405	13.8675	1.017	-1.8495	49.509	-1696.34	1
41237_1237	41237	1237	60.9945	-66.2115	1.536	-11.766	36.5835	-148.152	1
41237_1238	41237	1238	29.1285	14.517	0.9345	-7.2375	53.7465	-1777.62	1
41238_1238	41238	1238	61.986	-60.141	-4.932	-11.6175	44.205	124.902	1
41238_1239	41238	1239	29.1585	16.8645	-4.404	-0.4425	6.7725	-1957.92	1
41239_1239	41239	1239	63.231	-60.486	-5.253	-9.3405	-9.762	711.822	1
41239_1240	41239	1240	28.788	17.4675	-4.491	-6.2265	-42.8595	-2149.23	1
41240_1240	41240	1240	62.5575	-51.0765	9.6555	-28.641	-69.5685	1372.271	1
41240_1241	41240	1241	26.7015	23.61	8.5005	-21.09	57.657	-2405.39	1
41241_1241	41241	1241	32.157	2.265	-0.5475	-1.4205	-5.64	-75.561	1
41241_1242	41241	1242	139.905	-14.8395	3.558	13.521	143.4345	-969.42	1
41242_1242	41242	1242	32.1555	2.265	-0.5835	-1.4955	-10.8405	-95.3295	1
41242_1243	41242	1243	139.9095	-14.8395	3.4035	12.2625	154.2045	-914.867	1
41243_1243	41243	1243	32.0235	2.0025	1.1355	1.53	-12.6855	-102.255	1
41243_1244	41243	1244	140.5215	-12.8175	-4.971	-2.391	108.402	-797.763	1
41244_1244	41244	1244	32.0265	2.0025	1.0305	1.1355	-2.229	-120.708	1
41244_1245	41244	1245	140.5035	-12.8175	-5.43	-4.995	51.8925	-664.349	1
41245_1245	41245	1245	32.061	1.8765	0.468	1.587	8.493	-141.492	1
41245_1246	41245	1246	140.211	-12.4485	-1.7565	-4.4775	34.7655	-542.804	1
41246_1246	41246	1246	32.0625	1.8765	0.363	1.071	13.0485	-159.791	1
41246_1247	41246	1247	140.205	-12.4485	-2.2095	-6.231	12.93	-419.78	1
41247_1247	41247	1247	32.07	1.7955	0.1545	1.404	16.641	-178.278	1
41247_1248	41247	1248	140.085	-12.204	-0.8655	-5.739	5.0715	-308.804	1
41248_1248	41248	1248	32.07	1.7955	0.0915	1.0215	18.0405	-194.588	1
41248_1249	41248	1249	140.0835	-12.204	-1.1415	-6.3465	-6.9495	-180.204	1
41249_1249	41249	1249	32.0595	1.722	0.162	1.443	18.999	-213.446	1
41249_1250	41249	1250	140.1315	-12.123	-2.5755	-6.465	-33.5685	-54.831	1
41250_1250	41250	1250	32.061	1.722	0.033	0.5145	20.676	-231.254	1
41250_1251	41250	1251	140.121	-12.123	-3.138	-6.6855	-62.7105	57.792	1
41251_1251	41251	1251	32.034	1.5675	0.516	1.368	20.9865	-247.182	1
41251_1252	41251	1252	140.229	-12.537	-5.9205	-6.243	-122.702	184.8495	1
41252_1252	41252	1252	32.0355	1.5675	0.4185	0.5685	26.217	-263.061	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41252_1253	41252	1253	140.2095	-12.537	-6.3465	-5.682	-193.842	325.3875	1
41253_1253	41253	1253	32.0355	1.5675	0.4425	0.7755	30.9135	-281.199	1
41253_1254	41253	1254	140.214	-12.537	-6.2475	-6.0255	-213.587	362.4975	1
41254_1254	41254	1254	32.0415	1.5135	0.1695	0.3975	32.31	-286.115	1
41254_1255	41254	1255	139.6635	-16.9365	5.7885	36.27	-176.927	471.465	1
41255_1255	41255	1255	63.261	34.0545	-6.861	14.9295	80.127	1963.014	1
41255_1256	41255	1256	42.429	9.435	-0.5175	2.5545	10.698	666.0945	1
41256_1256	41256	1256	62.709	35.0355	-6.9795	17.886	24.459	1686.987	1
41256_1257	41256	1257	42.2775	10.0935	-0.6	3.7065	6.2685	592.8315	1
41257_1257	41257	1257	62.1015	39.6255	-0.5865	5.403	-24.981	1432.106	1
41257_1258	41257	1258	42.063	10.806	0.2025	1.248	8.595	480.6345	1
41258_1258	41258	1258	61.2585	38.151	-0.6765	8.601	-26.862	1020.215	1
41258_1259	41258	1259	41.8215	11.7075	0.081	2.4705	9.5835	332.7225	1
41259_1259	41259	1259	59.9655	40.215	4.3065	9.207	-35.1915	562.0485	1
41259_1260	41259	1260	41.4435	12.6945	1.134	2.592	21.591	215.46	1
41260_1260	41260	1260	59.343	39.309	3.9735	9.0345	11.7165	171.864	1
41260_1261	41260	1261	41.2395	13.3485	1.0425	2.73	31.476	89.2875	1
41261_1261	41261	1261	58.995	39.8325	3.9435	8.889	49.3485	-205.503	1
41261_1262	41261	1262	41.1195	13.713	1.0215	2.5965	34.7355	41.778	1
41262_1262	41262	1262	59.0805	39.981	0.06	11.3235	61.839	-331.622	1
41262_1263	41262	1263	41.136	13.41	0.1905	3.4875	36.855	-107.268	1
41263_1263	41263	1263	59.0805	39.981	-0.1455	8.6055	62.514	-776.045	1
41263_1264	41263	1264	41.1375	13.41	0.0465	3.1125	37.413	-267.318	1
41264_1264	41264	1264	59.0775	41.433	-0.1305	11.2815	60.768	-1253.13	1
41264_1265	41264	1265	41.133	13.356	0.174	4.065	39.435	-421.916	1
41265_1265	41265	1265	59.076	41.433	-0.3435	5.0505	59.2515	-1732.81	1
41265_1266	41265	1266	41.1345	13.356	0.027	2.547	39.7425	-575.259	1
41266_1266	41266	1266	59.0745	43.6155	-0.6	7.458	55.308	-2208.45	1
41266_1267	41266	1267	41.133	13.3935	-0.066	3.8445	38.9625	-731.66	1
41267_1267	41267	1267	59.073	31.074	-0.7455	0.756	48.2955	-2717.81	1
41267_1268	41267	1268	41.133	13.3935	-0.168	2.04	37.0515	-883.941	1
41268_1268	41268	1268	59.0685	-7.539	-1.1055	1.9635	39.8145	-3071.09	1
41268_1269	41268	1269	41.1315	13.395	-0.246	3.7125	33.8505	-1058.76	1
41269_1269	41269	1269	59.064	-23.049	-1.299	-7.7295	25.38	-2972.71	1
41269_1270	41269	1270	41.1315	13.395	-0.3795	0.2595	29.505	-1212.17	1
41270_1270	41270	1270	59.0685	-21.591	5.1435	-3.96	10.5075	-2708.74	1
41270_1271	41270	1271	41.133	13.209	1.9605	3.186	47.478	-1333.24	1
41271_1271	41271	1271	59.082	-76.791	4.992	-10.38	57.6465	-2510.83	1
41271_1272	41271	1272	41.1375	13.209	1.8555	-0.2235	68.184	-1480.63	1
41272_1272	41272	1272	59.4735	-76.497	4.842	-14.9415	113.274	-1656.29	1
41272_1273	41272	1273	41.076	13.413	1.752	-4.2435	75.471	-1538.21	1
41273_1273	41273	1273	60.0255	-68.997	-2.7555	-7.713	133.173	-1454.51	1
41273_1274	41273	1274	40.893	15.9885	0.189	2.1945	77.0385	-1665.48	1
41274_1274	41274	1274	60.9225	-68.2035	-2.8425	-10.4925	111.1065	-905.766	1
41274_1275	41274	1275	40.68	16.524	0.129	-1.2435	78.0135	-1795.63	1
41275_1275	41275	1275	61.728	-67.4655	-3.06	-13.5855	88.509	-381.38	1
41275_1276	41275	1276	40.479	17.0115	-0.0225	-8.8215	77.631	-1875.66	1
41276_1276	41276	1276	62.286	-60.807	-12.8895	-12.669	75.651	-126.911	1
41276_1277	41276	1277	39.978	20.46	-11.82	-0.2385	-60.978	-2116.36	1
41277_1277	41277	1277	63.6765	-60.8805	-13.29	-8.7255	-77.9835	509.6145	1
41277_1278	41277	1278	39.4395	21.39	-11.979	-6.972	-214.82	-2389.92	1
41278_1278	41278	1278	64.233	-52.8195	23.547	-40.047	-255.984	1222.827	1
41278_1279	41278	1279	38.187	29.8965	22.6125	-34.1235	-0.4665	-2677.61	1
41279_1279	41279	1279	27.312	2.745	-2.532	-3.378	7.527	-125.054	1
41279_1280	41279	1280	167.3445	-15.003	10.806	15.006	121.983	-941.066	1
41280_1280	41280	1280	27.3105	2.745	-2.547	-3.222	-16.536	-148.56	1
41280_1281	41280	1281	167.3505	-15.003	10.713	13.473	180.0525	-843.98	1
41281_1281	41281	1281	27.3105	2.181	1.7265	1.044	-30.345	-172.233	1
41281_1282	41281	1282	167.3475	-14.2695	-7.074	-0.846	92.6265	-721.563	1
41282_1282	41282	1282	27.3165	2.181	1.644	0.4485	-9.0135	-199.185	1
41282_1283	41282	1283	167.3265	-14.2695	-7.5735	-3.0045	0.66	-548.297	1
41283_1283	41283	1283	27.318	1.893	-0.003	1.2	10.9515	-225.666	1
41283_1284	41283	1284	167.316	-12.2475	0.609	-3.0135	8.208	-396.348	1
41284_1284	41284	1284	27.318	1.893	-0.0915	0.3915	10.9155	-249.156	1
41284_1285	41284	1285	167.3175	-12.2475	0.066	-4.3005	8.91	-264.59	1
41285_1285	41285	1285	27.2925	1.626	1.0005	1.101	9.93	-269.489	1
41285_1286	41285	1286	167.376	-11.7135	-3.1065	-3.6945	-25.8495	-133.473	1
41286_1286	41286	1286	27.294	1.626	0.918	0.24	21.1245	-287.685	1
41286_1287	41286	1287	167.3655	-11.7135	-3.6075	-4.095	-63.381	-11.6085	1
41287_1287	41287	1287	27.291	1.374	-0.231	1.1535	30.6825	-304.611	1
41287_1288	41287	1288	167.3535	-12.1875	-3.6555	-4.1385	-111.263	148.023	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41288_1288	41288	1288	27.291	1.374	-0.324	0.042	27.666	-322.613	1
41288_1289	41288	1289	167.34	-12.1875	-4.2315	-3.6285	-158.753	284.796	1
41289_1289	41289	1289	27.2925	1.095	0.2805	1.2345	24.027	-338.045	1
41289_1290	41289	1290	167.3925	-12.774	7.65	6.4245	-128.117	335.916	1
41290_1290	41290	1290	27.294	1.095	0.2415	0.7545	25.1505	-343.916	1
41290_1291	41290	1291	167.4045	-12.774	7.4085	7.311	-57.7335	448.1625	1
41291_1291	41291	1291	22.446	71.766	-12.468	24.51	7.2765	1538.126	1
41291_1292	41291	1292	4.6335	-13.794	-6.417	12.9435	-34.863	-2326.29	1
41292_1292	41292	1292	21.249	75.5925	3.2085	5.454	-80.055	1089.897	1
41292_1293	41292	1293	5.193	-11.1735	2.049	6.981	-8.07	-2184.76	1
41293_1293	41293	1293	19.2585	69.3225	2.7915	7.614	-35.0145	397.3065	1
41293_1294	41293	1294	5.508	-11.0265	2.0205	-2.7435	15.222	-2061.41	1
41294_1294	41294	1294	17.901	67.2	1.2	9.2055	-3.489	-264.561	1
41294_1295	41294	1295	5.712	-11.6055	0.1875	8.073	16.1625	-1979.57	1
41295_1295	41295	1295	16.8	64.2	1.14	6.0105	5.4915	-591.354	1
41295_1296	41295	1296	5.91	-11.5065	0.1635	-0.1215	17.559	-1896.11	1
41296_1296	41296	1296	16.1025	61.4055	1.1115	4.887	13.875	-913.133	1
41296_1297	41296	1297	6.0405	-11.439	0.156	-2.3085	18.936	-1795.51	1
41297_1297	41297	1297	16.071	63.285	-0.0345	11.664	23.652	-1453.2	1
41297_1298	41297	1298	6.048	-10.95	0.2415	5.01	19.9125	-1751.13	1
41298_1298	41298	1298	16.071	63.285	-0.0615	8.8875	23.5095	-1714	1
41298_1299	41298	1299	6.048	-10.95	0.231	2.2455	21.873	-1660.06	1
41299_1299	41299	1299	16.071	63.285	-0.1125	1.6815	22.9935	-2249.77	1
41299_1300	41299	1300	6.048	-10.95	0.2115	-3.072	24.417	-1528.81	1
41300_1300	41300	1300	16.0695	66.483	-0.522	11.397	21.6435	-3008.29	1
41300_1301	41300	1301	6.048	-10.629	-0.306	2.1885	20.3985	-1388.9	1
41301_1301	41301	1301	16.068	39.699	-0.5865	-4.1655	14.766	-3883.44	1
41301_1302	41301	1302	6.0465	-10.629	-0.33	-3.3765	16.665	-1268.49	1
41302_1302	41302	1302	16.0665	15.426	-0.324	10.587	8.118	-4333.19	1
41302_1303	41302	1303	6.0465	-10.1745	-0.3015	1.5	12.6075	-1131.52	1
41303_1303	41303	1303	16.065	15.426	-0.4005	-10.713	3.75	-4540.85	1
41303_1304	41303	1304	6.045	-10.1745	-0.33	-3.807	8.9685	-1019.18	1
41304_1304	41304	1304	16.0635	-35.328	-0.3435	5.3295	-0.6645	-4711.18	1
41304_1305	41304	1305	6.0435	-9.7455	-0.432	0.405	3.318	-891.84	1
41305_1305	41305	1305	16.062	-48	-0.408	-11.571	-5.1525	-4249.57	1
41305_1306	41305	1306	6.042	-9.7455	-0.456	-3.1425	-1.899	-780.435	1
41306_1306	41306	1306	16.0605	-44.8935	-0.5775	0.7215	-9.8085	-3700.87	1
41306_1307	41306	1307	6.0405	-9.2535	-0.615	-0.279	-9.198	-670.655	1
41307_1307	41307	1307	16.059	-44.8935	-0.633	-10.344	-16.6605	-3168.32	1
41307_1308	41307	1308	6.0375	-9.2535	-0.636	-2.6205	-17.2395	-553.716	1
41308_1308	41308	1308	16.056	-41.3835	-0.4665	-2.625	-24.6675	-2601.02	1
41308_1309	41308	1309	6.036	-8.8365	-0.3765	-0.8505	-21.8145	-446.223	1
41309_1309	41309	1309	16.0545	-41.3835	-0.528	-10.665	-30.333	-2097.63	1
41309_1310	41309	1310	6.0345	-8.8365	-0.399	-2.562	-26.7405	-337.16	1
41310_1310	41310	1310	16.0575	-39.123	1.818	-5.8845	-36.8415	-1586.89	1
41310_1311	41310	1311	6.036	-8.733	0.969	-1.4865	-14.319	-225.281	1
41311_1311	41311	1311	16.065	-39.123	1.7565	-10.041	-13.557	-1085.7	1
41311_1312	41311	1312	6.039	-8.733	0.9465	-2.349	-2.2215	-113.649	1
41312_1312	41312	1312	16.0665	-38.241	-0.495	-9.2955	8.889	-585.603	1
41312_1313	41312	1313	6.042	-8.49	0.123	-2.8845	0	38.79	1

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95
	Max.	1.31	1.58	1.84	1.84	1.05			0.00	
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	
Fatigue I	Max/Min	1.5								

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
1000_1000	1000	1000	-2.2545	-7.254	0.276	-0.3765	0	-8.088	1
1000_1001	1000	1001	-8.7195	7.521	-0.387	0.3465	-6.582	-76.1415	1
1001_1001	1001	1001	-110.282	33.3045	-0.249	1.6095	-4.2495	-906.687	1
1001_1002	1001	1002	-15.234	7.7175	-0.3705	0.405	-10.3215	-130.406	1
1002_1002	1002	1002	-163.392	28.0815	0.1575	0.9855	-7.7955	-1339.06	1
1002_1003	1002	1003	-22.6575	7.8255	0.5025	0.354	-4.1985	-191.096	1
1003_1003	1003	1003	-211.952	10.92	0.1635	1.4295	-6.0435	-1732.68	1
1003_1004	1003	1004	-30.1785	7.836	0.498	0.3915	1.911	-252.056	1
1004_1004	1004	1004	-248.745	7.911	0.1155	0.6165	-4.0275	-2032.3	1
1004_1005	1004	1005	-37.719	7.8525	0.2145	0.318	4.4775	-313.479	1
1005_1005	1005	1005	-278.208	-0.2325	0.099	1.257	-2.214	-2272.1	1
1005_1006	1005	1006	-45.264	7.8525	0.2145	0.378	7.1025	-374.412	1
1006_1006	1006	1006	-295.905	-0.9975	0.0855	0.2445	-0.489	-2416.29	1
1006_1007	1006	1007	-53.0955	8.151	0.1185	0.27	8.547	-437.606	1
1007_1007	1007	1007	-309.864	-8.5485	0.0585	0.927	1.2855	-2529.81	1
1007_1008	1007	1008	-60.924	8.151	0.1185	0.354	9.9945	-500.832	1
1008_1008	1008	1008	-313.847	-8.49	0.096	-0.0975	2.6715	-2562.36	1
1008_1009	1008	1009	-69.063	8.481	0.108	0.2175	11.3025	-566.553	1
1009_1009	1009	1009	-315.833	-15.7035	0.0675	0.5415	4.6395	-2578.4	1
1009_1010	1009	1010	-77.211	8.481	0.108	0.312	12.615	-632.357	1
1010_1010	1010	1010	-309.45	-40.659	0.168	-1.0395	4.857	-2526.86	1
1010_1011	1010	1011	-85.7715	8.925	0.1125	0.0615	13.938	-701.639	1
1011_1011	1011	1011	-304.379	-47.7525	0.138	0.111	7.164	-2485.88	1
1011_1012	1011	1012	-94.335	8.925	0.1125	0.3465	15.3075	-770.807	1
1012_1012	1012	1012	-290.849	-48.5355	0.2055	-0.6615	8.9055	-2376.29	1
1012_1013	1012	1013	-103.361	9.3975	0.1005	0.198	16.527	-843.698	1
1013_1013	1013	1013	-275.457	-55.485	0.1695	-0.8625	11.4675	-2251.37	1
1013_1014	1013	1014	-112.385	9.3975	0.1005	0.036	17.7435	-916.584	1
1014_1014	1014	1014	-252.402	-60.099	0.0015	-0.9015	13.194	-2064.28	1
1014_1015	1014	1015	-124.871	9.474	0.039	0.1275	18.4035	-1017.44	1
1015_1015	1015	1015	-235.344	-67.3665	-0.024	-0.621	8.388	-1791.98	1
1015_1016	1015	1016	-140.301	9.0975	0.0255	-0.192	12.579	-1089.97	1
1016_1016	1016	1016	-204.698	-69.561	-0.3135	-0.4995	7.926	-1614.12	1
1016_1017	1016	1017	-136.359	8.7885	-0.057	-0.0195	11.7615	-1179.15	1
1017_1017	1017	1017	-151.908	-48.5895	-0.2535	-0.543	4.344	-1361.98	1
1017_1018	1017	1018	-121.133	8.6385	-0.057	-0.468	10.977	-1301.85	1
1018_1018	1018	1018	-95.124	-53.6745	0.4065	-0.321	2.184	-1075.65	1
1018_1019	1018	1019	-104.049	8.355	0.2115	-0.2415	13.674	-1418.76	1
1019_1019	1019	1019	-50.061	-58.674	0.2535	-0.552	6.5895	-774.053	1
1019_1020	1019	1020	-87.126	8.601	0.213	-0.9045	16.1985	-1543.29	1
1020_1020	1020	1020	-170.768	-16.0275	-1.194	-0.132	38.871	-669.365	1
1020_1021	1020	1021	-30.5415	-34.302	-0.0285	-0.252	5.5755	-549.653	1
1021_1021	1021	1021	-175.755	-19.3485	-0.9015	0.027	20.355	-741.941	1
1021_1022	1021	1022	-13.821	-30.1125	-0.111	-0.216	5.64	-390.912	1
1022_1022	1022	1022	-178.83	-22.638	-0.864	-0.0105	12.444	-801.35	1
1022_1023	1022	1023	-4.095	-0.5445	-0.087	-0.0435	5.682	-138.545	1
1023_1023	1023	1023	-181.796	-16.035	-0.141	-0.0735	4.353	-893.256	1
1023_1024	1023	1024	-3.726	-0.5085	-0.1005	-0.0375	4.872	-135.954	1
1024_1024	1024	1024	-184.074	-20.4165	-0.123	-0.0135	2.61	-945.519	1
1024_1025	1024	1025	-3.357	-0.5085	-0.1005	-0.0375	4.062	-133.365	1
1025_1025	1025	1025	-184.82	-25.2285	-0.096	-0.072	1.143	-983.226	1
1025_1026	1025	1026	-2.9895	-0.5085	-0.105	-0.054	3.2265	-130.776	1
1026_1026	1026	1026	-184.586	-27.7305	-0.042	-0.033	0.069	-1007.66	1
1026_1027	1026	1027	-3.309	0.9885	0.021	0.033	-1.644	78.285	1
1027_1027	1027	1027	-184.482	-31.701	-0.0225	-0.171	-0.3225	-1022.71	1
1027_1028	1027	1028	-3.849	1.002	0.0255	0.048	-1.527	76.1985	1
1028_1028	1028	1028	-183.488	-35.8905	-0.015	-0.111	-0.5535	-1027.61	1
1028_1029	1028	1029	-4.401	1.0275	0.0285	0.048	-1.419	75.4035	1
1029_1029	1029	1029	-180.741	-40.1745	-0.0075	-0.0855	-0.69	-1017.05	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1029_1030	1029	1030	-4.968	1.05	0.03	0.051	-1.278	74.1255	1
1030_1030	1030	1030	-179.526	-19.8795	0.075	-0.0675	-0.4935	-1002.96	1
1030_1031	1030	1031	-5.742	1.0815	0.042	0.054	-0.9765	71.7285	1
1031_1031	1031	1031	-178.131	-25.1385	0.093	-0.0195	0.351	-977.801	1
1031_1032	1031	1032	-6.537	1.122	0.0465	0.057	-0.618	71.2125	1
1032_1032	1032	1032	-175.647	-29.994	0.1095	0.051	1.5315	-938.967	1
1032_1033	1032	1033	-7.3515	1.122	0.0465	0.0555	-0.249	65.496	1
1033_1033	1033	1033	-171.462	-33.6675	0.8025	0.0435	2.9925	-884.648	1
1033_1034	1033	1034	-8.244	1.2825	0.087	0.0285	0.477	63.0825	1
1034_1034	1034	1034	-166.251	-37.8045	0.8535	0.027	10.1235	-820.751	1
1034_1035	1034	1035	-25.4445	34.4685	0.0495	0.39	3.5535	-487.863	1
1035_1035	1035	1035	-157.209	-41.712	1.26	-0.624	23.208	-759.863	1
1035_1036	1035	1036	-51.852	41.832	-0.204	-0.027	-1.605	-714.698	1
1036_1036	1036	1036	-37.491	-9.474	-0.0705	-0.144	0.384	-472.341	1
1036_1037	1036	1037	-124.205	-46.503	0.45	-0.9435	-7.665	-1088.1	1
1037_1037	1037	1037	-37.8225	-9.774	-0.069	-0.177	-0.4995	-375.005	1
1037_1038	1037	1038	-106.445	-38.994	0.345	-0.6915	-2.832	-719.639	1
1038_1038	1038	1038	-61.9785	-0.699	0.21	0.276	1.5345	-949.479	1
1038_1039	1038	1039	-87.7965	-11.8005	0.0975	0.369	8.679	-1009.44	1
1039_1039	1039	1039	-105.896	-5.451	0.252	0.204	3.8355	-1166.65	1
1039_1040	1039	1040	-89.2515	-11.0715	0.093	0.075	9.786	-898.965	1
1040_1040	1040	1040	-140.712	-8.364	0.0675	0.192	6.7635	-1339.14	1
1040_1041	1040	1041	-84.12	-10.842	-0.054	0.087	9.3435	-836.189	1
1041_1041	1041	1041	-181.998	-13.9365	0.0375	0.123	3.5565	-1349.29	1
1041_1042	1041	1042	-80.424	-10.6245	-0.027	0.0045	4.035	-665.478	1
1042_1042	1042	1042	-209.088	-16.6095	0.006	0.0615	4.401	-1535.16	1
1042_1043	1042	1043	-68.3775	-10.392	-0.0075	-0.012	3.9465	-589.181	1
1043_1043	1043	1043	-227.61	1.1565	0.006	0.1995	4.7415	-1656.35	1
1043_1044	1043	1044	-56.349	-10.3605	-0.009	-0.0555	3.84	-511.781	1
1044_1044	1044	1044	-241.566	-0.996	-0.003	0.1275	4.8195	-1739.69	1
1044_1045	1044	1045	-44.4705	-10.2495	-0.0165	-0.054	3.639	-436.532	1
1045_1045	1045	1045	-253.205	-8.3745	-0.0045	0.087	4.797	-1806.35	1
1045_1046	1045	1046	-54.228	10.3605	0.0315	0.081	3.6765	-376.596	1
1046_1046	1046	1046	-256.202	-10.3485	0.006	-0.003	4.7325	-1816.83	1
1046_1047	1046	1047	-66.369	10.4805	0.027	0.0825	4.023	-455.732	1
1047_1047	1047	1047	-256.767	-17.682	0.0045	-0.033	4.7925	-1810.63	1
1047_1048	1047	1048	-78.615	10.593	0.027	0.0525	4.3545	-536.892	1
1048_1048	1048	1048	-249.359	-19.635	0.0015	-0.054	4.7985	-1752.69	1
1048_1049	1048	1049	-91.017	10.6935	0.0225	0.0765	4.6335	-615.45	1
1049_1049	1049	1049	-239.268	-26.781	-0.003	-0.1965	4.749	-1676.69	1
1049_1050	1049	1050	-103.41	10.704	0.0225	-0.012	4.8945	-694.374	1
1050_1050	1050	1050	-223.274	-29.1345	-0.0405	-0.1905	4.569	-1561.52	1
1050_1051	1050	1051	-120.65	10.944	0.0255	0.027	5.2755	-807.369	1
1051_1051	1051	1051	-187.823	-38.271	-0.039	-0.3825	4.3665	-1431.48	1
1051_1052	1051	1052	-120.249	10.7565	0.0285	-0.1695	6.258	-896.585	1
1052_1052	1052	1052	-167.285	-40.185	-0.162	-0.3	4.0095	-1317.59	1
1052_1053	1052	1053	-119.895	10.3695	-0.024	-0.0285	5.988	-992.807	1
1053_1053	1053	1053	-115.181	-45.7515	-0.1995	-0.726	3.096	-1227.41	1
1053_1054	1053	1054	-98.961	10.734	-0.033	-0.552	7.698	-1182.63	1
1054_1054	1054	1054	-71.8935	-50.979	0.3	-0.4665	1.3575	-995.783	1
1054_1055	1054	1055	-112.737	40.647	-0.3375	0.993	-5.6685	-1003.29	1
1055_1055	1055	1055	-53.7195	6.186	0.024	0.2235	-1.5885	-328.866	1
1055_1056	1055	1056	-121.755	48.618	-0.414	1.278	-11.265	-1451.82	1
1056_1056	1056	1056	-165.225	-6.348	-0.8025	-0.069	24.75	-732.2	1
1056_1057	1056	1057	-14.5965	-31.3095	-0.0585	-0.4335	4.7205	-508.377	1
1057_1057	1057	1057	-173.169	-10.374	-0.696	0.027	14.376	-844.206	1
1057_1058	1057	1058	-13.569	0.534	0.1005	0.216	-2.7315	-157.08	1
1058_1058	1058	1058	-179.139	-14.1555	-0.675	0.1575	8.2455	-926.55	1
1058_1059	1058	1059	-13.9155	0.534	0.1005	0.216	-1.956	-159.83	1
1059_1059	1059	1059	-183.504	-17.256	-0.093	-0.0105	2.4675	-997.307	1

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1059_1060	1059	1060	-14.205	0.4305	0.099	0.234	-1.1655	-162.126	1
1060_1060	1060	1060	-186.903	-21.693	-0.0735	-0.1035	1.2975	-1058.41	1
1060_1061	1060	1061	-14.499	0.4455	0.0915	0.1815	-0.291	-152.463	1
1061_1061	1061	1061	-188.555	-26.505	-0.054	-0.246	0.3735	-1102.08	1
1061_1062	1061	1062	-14.796	0.4455	0.09	0.1425	0.432	-154.836	1
1062_1062	1062	1062	-189.023	-28.9575	-0.0315	-0.0195	-0.276	-1130.11	1
1062_1063	1062	1063	-15.0495	0.501	0.09	0.198	0.969	-156.836	1
1063_1063	1063	1063	-189.299	-32.8785	-0.0165	-0.2565	-0.5475	-1146.8	1
1063_1064	1063	1064	-15.3	0.501	0.0885	0.15	1.5	-158.832	1
1064_1064	1064	1064	-188.628	-36.975	-0.0105	-0.1815	-0.7005	-1152.14	1
1064_1065	1064	1065	-15.552	0.501	0.0885	0.147	2.0325	-160.83	1
1065_1065	1065	1065	-187.239	-18.918	0.0285	-0.1155	-0.6465	-1145.53	1
1065_1066	1065	1066	-15.8025	0.501	0.087	0.0945	2.5575	-162.828	1
1066_1066	1066	1066	-186.182	-20.0205	0.048	0.024	-0.3945	-1127.48	1
1066_1067	1066	1067	-16.149	0.5145	0.09	0.153	3.2775	-165.569	1
1067_1067	1067	1067	-184.773	-25.212	0.069	-0.1095	0.255	-1098.16	1
1067_1068	1067	1068	-16.4925	0.5145	0.09	0.1125	3.993	-168.308	1
1068_1068	1068	1068	-182.313	-30	0.078	0.039	1.17	-1053.69	1
1068_1069	1068	1069	-16.8375	0.5145	0.09	0.1155	4.707	-171.041	1
1069_1069	1069	1069	-178.224	-33.36	0.6555	-0.2835	2.25	-992.784	1
1069_1070	1069	1070	-17.2065	0.57	0.096	0.0945	5.454	-173.982	1
1070_1070	1070	1070	-173.324	-37.455	0.6855	-0.1605	8.0685	-922.499	1
1070_1071	1070	1071	-17.577	0.57	0.096	0.0945	6.1995	-176.918	1
1071_1071	1071	1071	-166.733	-41.2185	0.822	-0.078	16.4205	-839.934	1
1071_1072	1071	1072	-41.1	39.0255	-0.0765	0.504	0.429	-709.014	1
1072_1072	1072	1072	-39.258	0.216	-0.03	0.3255	5.3685	-404.052	1
1072_1073	1072	1073	-104.94	-43.6185	0.36	-1.167	-5.385	-957.305	1
1073_1073	1073	1073	-44.304	-0.3345	-0.0285	0.0825	4.998	-391.043	1
1073_1074	1073	1074	-97.2645	-9.1245	-0.126	0.318	7.6935	-1173.34	1
1074_1074	1074	1074	-68.8635	-0.435	0.159	0.4665	1.368	-1012.11	1
1074_1075	1074	1075	-107.463	-9.663	0.0405	0.5685	8.0715	-1069.69	1
1075_1075	1075	1075	-127.212	-5.1705	0.144	0.1545	2.304	-1182.11	1
1075_1076	1075	1076	-120.848	-9.372	0.0285	0.027	6.279	-917.795	1
1076_1076	1076	1076	-167.075	-8.019	0.0405	0.261	4.0755	-1362.94	1
1076_1077	1076	1077	-116.226	-9.7305	-0.0165	0.1605	6.141	-862.239	1
1077_1077	1077	1077	-174.597	-12.9285	0.054	0.1425	6.3315	-1517.25	1
1077_1078	1077	1078	-95.1255	-9.6465	-0.024	-0.0645	8.2665	-759.752	1
1078_1078	1078	1078	-201.591	9.357	-0.0195	0.5775	7.737	-1742.55	1
1078_1079	1078	1079	-85.926	-9.6315	-0.0345	0.03	7.866	-689.811	1
1079_1079	1079	1079	-221.961	2.7	-0.0315	0.4395	7.5735	-1894.71	1
1079_1080	1079	1080	-76.8795	-9.4215	-0.0375	-0.0855	7.3905	-610.206	1
1080_1080	1080	1080	-235.898	1.11	-0.009	0.3885	7.1745	-1996.98	1
1080_1081	1080	1081	-68.097	-8.934	-0.0465	-0.051	6.6705	-520.811	1
1081_1081	1081	1081	-247.98	-5.595	-0.018	0.2325	7.074	-2084.01	1
1081_1082	1081	1082	-59.679	-8.6385	-0.045	-0.1305	6.0075	-444.449	1
1082_1082	1082	1082	-253.119	-6.81	0.0045	0.2895	6.819	-2118.08	1
1082_1083	1082	1083	-52.842	8.4285	0.0555	0.198	5.421	-396.912	1
1083_1083	1083	1083	-256.562	-14.0025	-0.0075	-0.162	6.885	-2138.28	1
1083_1084	1083	1084	-61.65	8.6685	0.0555	0.081	6.198	-471.984	1
1084_1084	1084	1084	-252.062	-15.6045	0.0285	0.0795	6.747	-2098.19	1
1084_1085	1084	1085	-70.083	8.922	0.054	0.18	6.87	-544.029	1
1085_1085	1085	1085	-246.963	-46.8825	0.0195	-0.762	7.1085	-2066.4	1
1085_1086	1085	1086	-78.6045	8.979	0.0525	0.003	7.4715	-610.871	1
1086_1086	1086	1086	-235.1	-48.2895	0.0315	-0.48	7.2315	-1971.54	1
1086_1087	1086	1087	-87.339	9.1725	0.045	0.141	7.977	-680.582	1
1087_1087	1087	1087	-221.762	-54.903	0.0135	-0.8925	7.4895	-1864.94	1
1087_1088	1087	1088	-96.0945	9.1725	0.0435	-0.0825	8.4645	-746.261	1
1088_1088	1088	1088	-203.514	-31.9515	-0.0165	-0.5445	7.077	-1699.37	1
1088_1089	1088	1089	-107.267	9.3825	0.0525	-0.0375	9.141	-838.572	1
1089_1089	1089	1089	-175.721	-39.6735	-0.012	-0.342	5.8725	-1567.19	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1089_1090	1089	1090	-109.491	9.174	0.048	-0.1185	8.4915	-932.286	1
1090_1090	1090	1090	-154.472	-41.4435	-0.21	-0.552	5.622	-1429.22	1
1090_1091	1090	1091	-107.703	8.7105	-0.0345	-0.0825	8.0865	-1017.81	1
1091_1091	1091	1091	-113.666	-46.836	-0.2355	-0.6075	4.1445	-1247.91	1
1091_1092	1091	1092	-95.433	8.799	-0.0435	-0.4755	9.591	-1140.53	1
1092_1092	1092	1092	-68.5875	-51.7245	0.3795	-0.378	1.941	-991.92	1
1092_1093	1092	1093	-106.862	42.8895	-0.4065	1.0245	-7.209	-1031.06	1
1093_1093	1093	1093	-40.491	7.2	0.0255	0.165	-0.6855	-327.839	1
1093_1094	1093	1094	-116.36	50.5215	-0.4845	1.179	-13.854	-1483.31	1
1094_1094	1094	1094	-165.03	-6.291	-0.909	-0.021	27.9405	-733.14	1
1094_1095	1094	1095	-17.466	-1.0665	-0.081	-0.111	0.0885	49.821	1
1095_1095	1095	1095	-168.146	-10.386	-0.9915	0.1605	20.268	-864.435	1
1095_1096	1095	1096	-16.8165	-1.0695	-0.09	-0.1215	-0.5955	55.518	1
1096_1096	1096	1096	-173.468	-14.2365	-0.9285	-0.174	11.5365	-950.109	1
1096_1097	1096	1097	-16.164	-1.0695	-0.078	-0.093	-1.2	61.1805	1
1097_1097	1097	1097	-177.144	-17.3535	-0.129	-0.087	3.567	-1023.18	1
1097_1098	1097	1098	-15.543	-0.9615	-0.0135	-0.1155	-1.317	62.37	1
1098_1098	1098	1098	-179.934	-21.882	-0.099	-0.2235	1.9455	-1086.43	1
1098_1099	1098	1099	-14.937	-0.957	-0.0075	-0.099	-1.377	67.0305	1
1099_1099	1099	1099	-181.004	-26.823	-0.0825	-0.0975	0.702	-1130.98	1
1099_1100	1099	1100	-14.3445	-0.936	-0.006	-0.0945	-1.3995	69.384	1
1100_1100	1100	1100	-180.888	-28.791	0.009	-1.3605	-0.219	-1158.48	1
1100_1101	1100	1101	-14.0445	0.0675	-0.144	-0.285	2.7675	-147.183	1
1101_1101	1101	1101	-180.924	-32.7225	0.0165	-1.4055	-0.252	-1176.27	1
1101_1102	1101	1102	-14.082	0.0795	-0.1515	-0.2985	1.9095	-154.706	1
1102_1102	1102	1102	-180.081	-36.8475	-0.0735	1.299	-0.1935	-1182.32	1
1102_1103	1102	1103	-14.112	0.0795	-0.1425	0.0645	1.053	-155.042	1
1103_1103	1103	1103	-178.245	-18.831	-0.003	1.185	-0.111	-1180.31	1
1103_1104	1103	1104	-14.151	0.0795	-0.144	0.012	0.189	-155.372	1
1104_1104	1104	1104	-177.282	-19.362	0.0585	0.084	0.0675	-1163.48	1
1104_1105	1104	1105	-14.295	0.225	-0.15	-0.129	-1.0095	-156.605	1
1105_1105	1105	1105	-176.277	-24.7185	0.09	-0.0825	1.035	-1137.91	1
1105_1106	1105	1106	-14.4375	0.225	-0.1515	-0.1695	-2.2185	-157.839	1
1106_1106	1106	1106	-174.081	-29.673	0.1065	0.0495	2.4255	-1094.68	1
1106_1107	1106	1107	-14.595	0.252	-0.1575	-0.18	-3.66	-167.172	1
1107_1107	1107	1107	-170.201	-33.1095	0.906	-0.249	4.101	-1032.68	1
1107_1108	1107	1108	-14.7015	0.1725	-0.132	-0.1905	-4.686	-168.212	1
1108_1108	1108	1108	-165.402	-37.356	0.951	-0.1275	12.333	-960.011	1
1108_1109	1108	1109	-14.8065	0.1725	-0.132	-0.192	-5.7105	-169.128	1
1109_1109	1109	1109	-163.262	-41.142	0.9045	-0.1005	19.2015	-854.052	1
1109_1110	1109	1110	-36.168	38.1315	-0.078	0.4365	1.3005	-690.819	1
1110_1110	1110	1110	-32.6895	-1.89	-0.045	0.363	5.976	-474.89	1
1110_1111	1110	1111	-114.315	-39.663	0.4545	-1.0935	-9.8025	-976.7	1
1111_1111	1111	1111	-37.662	-2.1405	-0.0435	0.0555	5.421	-446.19	1
1111_1112	1111	1112	-99.867	-33.0375	0.372	-0.873	-4.389	-638.484	1
1112_1112	1112	1112	-65.3235	-1.3845	0.1635	0.4305	2.8725	-1023.31	1
1112_1113	1112	1113	-101.942	-10.698	0.0195	0.5535	10.8105	-1072.03	1
1113_1113	1113	1113	-109.577	-6.4815	0.1575	0.2325	3.8415	-1241.32	1
1113_1114	1113	1114	-104.879	-10.4595	0.0135	-0.009	8.7555	-958.736	1
1114_1114	1114	1114	-142.784	-9.4575	0.0285	0.6075	5.8065	-1416.46	1
1114_1115	1114	1115	-99.9465	-10.761	-0.048	0.3615	8.346	-890.816	1
1115_1115	1115	1115	-180.948	-14.181	0.018	0.0435	5.1435	-1386.75	1
1115_1116	1115	1116	-96.5835	-10.7805	-0.0435	-0.0735	6.3105	-705.164	1
1116_1116	1116	1116	-203.061	-17.184	-0.021	0.105	5.6025	-1550.16	1
1116_1117	1116	1117	-85.578	-10.5735	-0.039	0.0015	5.856	-628.134	1
1117_1117	1117	1117	-218.517	-23.3835	-0.033	0.033	5.4435	-1661.88	1
1117_1118	1117	1118	-74.715	-10.3845	-0.0405	-0.0705	5.358	-548.379	1
1118_1118	1118	1118	-229.041	-24.8235	-0.0225	0.0735	5.028	-1737.81	1
1118_1119	1118	1119	-64.1325	-10.074	-0.045	-0.0255	4.7805	-468.723	1
1119_1119	1119	1119	-238.095	-31.3605	-0.036	-0.2055	4.74	-1802.02	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1119_1120	1119	1120	-53.94	-9.6345	-0.0465	-0.126	4.1265	-385.859	1
1120_1120	1120	1120	-240.621	-32.4945	-0.018	-0.183	4.2405	-1821.26	1
1120_1121	1120	1121	-43.7235	-8.7315	-0.0435	-0.0795	3.3195	-291.731	1
1121_1121	1121	1121	-241.872	-39.7515	-0.027	-0.2475	3.936	-1830.74	1
1121_1122	1121	1122	-34.6575	-7.5495	-0.039	-0.093	2.466	-203.292	1
1122_1122	1122	1122	-234.501	-41.421	-0.0045	-0.3255	3.5115	-1782.27	1
1122_1123	1122	1123	-38.6595	5.7705	0.018	0.0615	2.9205	-305.15	1
1123_1123	1123	1123	-225.965	-48.2595	-0.012	-0.399	3.408	-1725.05	1
1123_1124	1123	1124	-44.7735	5.9625	0.0165	0.0285	3.153	-353.703	1
1124_1124	1124	1124	-209.999	-49.632	0.0105	-0.369	3.2115	-1618.04	1
1124_1125	1124	1125	-51.1935	6.3465	0.012	0.066	3.3105	-410.267	1
1125_1125	1125	1125	-192.779	-56.4465	-0.0015	-0.579	3.294	-1501.6	1
1125_1126	1125	1126	-57.771	6.3465	0.0105	-0.0285	3.426	-453.456	1
1126_1126	1126	1126	-172.013	-33.774	-0.075	-0.276	3.075	-1341.94	1
1126_1127	1126	1127	-66.2025	6.597	0.003	0.0195	3.426	-515.016	1
1127_1127	1127	1127	-151.559	-41.085	-0.0675	-0.2145	1.8195	-1174.18	1
1127_1128	1127	1128	-85.74	27.1965	0.0495	0.3285	-1.206	-336.843	1
1128_1128	1128	1128	-129.359	-42.0975	-0.165	-0.192	1.2855	-1051.28	1
1128_1129	1128	1129	-112.641	33.7035	0.1155	0.3765	-0.0345	-558.207	1
1129_1129	1129	1129	-80.1435	-47.2485	-0.1875	-0.549	-0.4485	-952.38	1
1129_1130	1129	1130	-130.055	40.008	0.1725	0.6885	2.3955	-927.309	1
1130_1130	1130	1130	-52.458	8.3085	0.039	0.168	1.5555	-361.74	1
1130_1131	1130	1131	-143.156	45.369	-0.285	0.822	-0.6735	-1319.18	1
1131_1131	1131	1131	-52.455	7.683	0.0405	0.036	2.034	-448.398	1
1131_1132	1131	1132	-150.332	52.1265	-0.3465	0.855	-5.373	-1791.11	1
1132_1132	1132	1132	-148.589	-3.1665	-0.6	-0.6645	17.2515	-542.045	1
1132_1133	1132	1133	-17.5605	-32.391	0.0405	-0.693	0.303	-437.346	1
1133_1133	1133	1133	-160.415	-7.65	-0.558	-0.2775	10.0635	-659.52	1
1133_1134	1133	1134	-13.863	-2.1165	0.0315	-0.0135	0.213	-217.148	1
1134_1134	1134	1134	-168.291	-11.8845	-0.669	1.1025	5.334	-750.546	1
1134_1135	1134	1135	-12.381	-2.013	0.06	0.375	0.762	-198.063	1
1135_1135	1135	1135	-174.858	-14.0805	-0.003	-0.0825	-0.129	-831.626	1
1135_1136	1135	1136	-11.3775	-0.222	0.0075	-0.0435	-1.134	59.9145	1
1136_1136	1136	1136	-180.837	-18.957	-0.0075	0.102	-0.3165	-907.907	1
1136_1137	1136	1137	-12.435	2.136	-0.039	-0.0075	1.815	-79.287	1
1137_1137	1137	1137	-184.34	-24.2475	0.0045	0.024	-0.4635	-964.025	1
1137_1138	1137	1138	-14.001	2.268	-0.042	-0.0225	1.5465	-97.623	1
1138_1138	1138	1138	-185.984	-26.7015	0	-0.045	-0.447	-1001.74	1
1138_1139	1138	1139	-15.2625	2.316	-0.0435	-0.018	1.287	-106.455	1
1139_1139	1139	1139	-187.224	-31.032	0.009	-0.2085	-0.432	-1026.61	1
1139_1140	1139	1140	-16.56	2.4105	-0.045	-0.0435	1.026	-121.073	1
1140_1140	1140	1140	-187.044	-35.5875	0.0105	-0.1695	-0.3465	-1038.26	1
1140_1141	1140	1141	-17.8995	2.4975	-0.048	-0.0465	0.7365	-136.17	1
1141_1141	1141	1141	-184.584	-40.239	0.0045	0.0765	-0.237	-1031.34	1
1141_1142	1141	1142	-19.287	2.5845	-0.0495	-0.0195	0.423	-151.8	1
1142_1142	1142	1142	-181.883	-21.042	0.015	-0.147	0.1905	-1021.17	1
1142_1143	1142	1143	-21.264	2.7165	-0.048	-0.0675	0.0345	-166.151	1
1143_1143	1143	1143	-178.641	-26.772	0.0225	-0.087	0.498	-988.523	1
1143_1144	1143	1144	-23.307	2.94	-0.054	-0.078	-0.5235	-196.865	1
1144_1144	1144	1144	-173.574	-32.067	0.021	0.1125	0.909	-937.49	1
1144_1145	1144	1145	-25.446	2.94	-0.054	-0.048	-0.951	-211.835	1
1145_1145	1145	1145	-166.247	-35.5935	0.477	-0.216	1.3455	-866.871	1
1145_1146	1145	1146	-27.5895	3.1065	-0.06	-0.1035	-1.5255	-235.448	1
1146_1146	1146	1146	-157.734	-40.14	0.495	-0.153	5.475	-786.395	1
1146_1147	1146	1147	-29.8455	3.207	-0.066	-0.1095	-2.184	-259.128	1
1147_1147	1147	1147	-144.828	-44.4435	0.54	-0.069	10.3965	-705.297	1
1147_1148	1147	1148	-44.2485	41.6565	-0.1395	0.4215	-2.457	-654.863	1
1148_1148	1148	1148	-54.2025	-4.9545	-0.0195	-0.0615	0.267	-398.543	1
1148_1149	1148	1149	-146.885	-39.2715	0.2955	-0.7605	-2.649	-1027.47	1
1149_1149	1149	1149	-55.533	-5.988	-0.0165	-0.1095	0.0195	-339.684	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1149_1150	1149	1150	-132.264	-33.1095	0.237	-0.6195	0.624	-697.676	1
1150_1150	1150	1150	-55.2165	-7.083	-0.0375	-0.111	-0.1965	-275.562	1
1150_1151	1150	1151	-109.781	-27.123	-0.081	-0.561	-0.9645	-419.154	1
1151_1151	1151	1151	-90.174	-7.515	0.111	0.105	0.801	-950.562	1
1151_1152	1151	1152	-86.34	-23.4075	-0.0495	-0.2265	-1.4325	-227.501	1
1152_1152	1152	1152	-120.468	-10.116	0.045	0.0765	1.9665	-1083.65	1
1152_1153	1152	1153	-68.481	-21.132	-0.0375	-0.2445	-1.65	-127.979	1
1153_1153	1153	1153	-147.093	-14.211	0.0435	0.06	1.9725	-1128.76	1
1153_1154	1153	1154	-56.871	-10.398	-0.0165	-0.015	2.8665	-482.682	1
1154_1154	1154	1154	-164.489	-17.7735	-0.0045	0.018	2.631	-1254.34	1
1154_1155	1154	1155	-45.7275	-9.828	-0.0195	-0.0135	2.616	-404.024	1
1155_1155	1155	1155	-177.326	-24.282	-0.0105	-0.009	2.622	-1343.95	1
1155_1156	1155	1156	-35.268	-8.7825	-0.021	-0.033	2.208	-309.404	1
1156_1156	1156	1156	-185.007	-26.352	-0.003	-0.036	2.5245	-1398.63	1
1156_1157	1156	1157	-27.024	-7.359	-0.0195	-0.018	1.7385	-223.58	1
1157_1157	1157	1157	-190.556	-32.6835	-0.009	-0.078	2.52	-1437.18	1
1157_1158	1157	1158	-20.445	5.3865	0.0165	0.018	1.3905	-144.657	1
1158_1158	1158	1158	-190.694	-11.682	0.0075	0.021	2.478	-1437.97	1
1158_1159	1158	1159	-26.4705	6.516	0.018	0.0285	1.797	-205.974	1
1159_1159	1159	1159	-190.719	-18.2805	0.003	-0.021	2.5635	-1432.94	1
1159_1160	1159	1160	-33.6705	7.59	0.018	0.021	2.187	-277.829	1
1160_1160	1160	1160	-185.025	-19.623	0.0105	-0.09	2.5815	-1391.45	1
1160_1161	1160	1161	-42.798	8.55	0.021	0.0225	2.5545	-359.241	1
1161_1161	1161	1161	-177.135	-26.6415	0.012	-0.03	2.706	-1333.52	1
1161_1162	1161	1162	-52.566	8.8485	0.021	0.024	2.8125	-427.373	1
1162_1162	1162	1162	-163.989	-28.974	-0.066	-0.144	2.7915	-1240.73	1
1162_1163	1162	1163	-71.7465	22.3155	0.039	0.1665	-1.26	-135.926	1
1163_1163	1163	1163	-137.378	-36.8655	-0.06	-0.1005	2.1435	-1149.12	1
1163_1164	1163	1164	-89.499	25.647	0.0465	0.282	-1.11	-239.508	1
1164_1164	1164	1164	-119.711	-38.0715	-0.1215	-0.222	1.737	-1051.39	1
1164_1165	1164	1165	-114.852	29.7	0.057	0.2595	-0.4995	-424.479	1
1165_1165	1165	1165	-79.152	-43.2465	-0.12	-0.2685	0.7065	-958.841	1
1165_1166	1165	1166	-137.189	35.175	0.081	0.525	0.6675	-708.209	1
1166_1166	1166	1166	-66.468	6.444	0.015	0.096	-0.0285	-314.117	1
1166_1167	1166	1167	-151.818	38.889	-0.228	0.558	-1.8315	-1039.48	1
1167_1167	1167	1167	-66.5475	5.211	0.0165	0.0495	0.1485	-384.269	1
1167_1168	1167	1168	-160.548	45.9045	-0.2745	0.6675	-5.4735	-1445.99	1
1168_1168	1168	1168	-137.549	-2.595	-0.465	-0.0375	13.527	-549.236	1
1168_1169	1168	1169	-31.491	-3.0285	0.0645	0.147	-1.635	-254.823	1
1169_1169	1169	1169	-152.313	-6.8745	-0.3735	0.102	7.125	-664.155	1
1169_1170	1169	1170	-30.7305	-3.0195	0.0525	0.0945	-0.927	-233.121	1
1170_1170	1170	1170	-163.029	-10.9305	-0.366	0.1635	3.9525	-754.265	1
1170_1171	1170	1171	-28.5525	-2.9205	0.048	0.09	-0.453	-210.555	1
1171_1171	1171	1171	-171.909	-14.298	-0.0345	-0.1065	0.903	-832.698	1
1171_1172	1171	1172	-26.3685	-2.8725	0.0435	0.051	-0.108	-196.305	1
1172_1172	1172	1172	-179.42	-19.0815	-0.036	0.0705	0.4695	-901.016	1
1172_1173	1172	1173	-24.2385	-2.673	0.039	0.069	0.3045	-166.581	1
1173_1173	1173	1173	-184.547	-24.291	-0.0255	-0.006	0.0765	-951.038	1
1173_1174	1173	1174	-22.206	-2.673	0.039	0.045	0.612	-153.317	1
1174_1174	1174	1174	-187.796	-26.8725	-0.0015	-0.1965	-0.1815	-983.937	1
1174_1175	1174	1175	-20.748	-2.5545	0.0375	0.0225	0.837	-143.301	1
1175_1175	1175	1175	-189.903	-31.1295	-0.006	0.018	-0.2025	-1003.64	1
1175_1176	1175	1176	-19.3245	-2.4765	0.036	0.048	1.056	-128.339	1
1176_1176	1176	1176	-192.246	-15.336	0.0045	0.0255	-0.246	-1009.96	1
1176_1177	1176	1177	-17.94	-2.3955	0.0345	0.021	1.2555	-113.837	1
1177_1177	1177	1177	-192.291	-19.812	0.0045	0.0705	-0.204	-1001.27	1
1177_1178	1177	1178	-16.5915	-2.3475	0.0345	0.021	1.4475	-102.065	1
1178_1178	1178	1178	-190.947	-21.0015	0.0225	-0.015	-0.1575	-980.621	1
1178_1179	1178	1179	-14.88	-2.2545	0.033	0.024	1.695	-88.5945	1
1179_1179	1179	1179	-188.757	-26.6385	0.033	-0.0885	0.12	-946.895	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1179_1180	1179	1180	-13.257	-2.133	0.03	0.0105	1.8645	-71.01	1
1180_1180	1180	1180	-184.665	-31.8345	0.0375	-0.024	0.5325	-896.144	1
1180_1181	1180	1181	-11.7375	1.467	-0.033	-0.069	-0.093	-164.787	1
1181_1181	1181	1181	-178.236	-35.517	0.348	-0.2325	1.02	-827.327	1
1181_1182	1181	1182	-12.924	1.6665	-0.039	-0.099	-0.4995	-187.959	1
1182_1182	1182	1182	-170.451	-39.9465	0.36	-0.177	4.0215	-748.868	1
1182_1183	1182	1183	-26.4675	32.3355	-0.033	0.249	0.522	-426.906	1
1183_1183	1183	1183	-160.374	-44.061	0.423	-0.015	8.2575	-661.524	1
1183_1184	1183	1184	-55.704	41.025	-0.1065	0.369	-1.9995	-642.734	1
1184_1184	1184	1184	-46.02	-8.1855	-0.021	-0.1035	0.6975	-434.879	1
1184_1185	1184	1185	-136.581	-44.211	0.2265	-0.711	-1.2765	-1036.7	1
1185_1185	1185	1185	-46.4655	-8.7765	-0.0225	-0.0765	0.4305	-350.081	1
1185_1186	1185	1186	-118.286	-37.392	0.174	-0.3945	1.098	-673.872	1
1186_1186	1186	1186	-52.0965	-0.453	0.09	0.1215	-0.069	-739.281	1
1186_1187	1186	1187	-91.4055	-30.411	-0.078	-0.474	-0.399	-371.85	1
1187_1187	1187	1187	-100.415	-5.3595	0.1065	0.132	0.5865	-909.597	1
1187_1188	1187	1188	-75.9585	-8.2575	0.0105	0.0375	3.1395	-565.734	1
1188_1188	1188	1188	-135.819	-8.3325	0.0555	0.0525	1.674	-1066.63	1
1188_1189	1188	1189	-71.244	-8.103	-0.009	0.009	3.09	-518.09	1
1189_1189	1189	1189	-158.855	-12.6225	0.0615	0.1125	1.962	-1196.07	1
1189_1190	1189	1190	-61.356	-8.112	-0.0075	0.0015	2.7765	-453.597	1
1190_1190	1190	1190	-181.799	-16.5765	0.0045	-0.06	2.8875	-1359.2	1
1190_1191	1190	1191	-52.9635	-7.56	-0.0165	-0.0405	2.58	-385.091	1
1191_1191	1191	1191	-198.375	-23.0145	0.0105	0.111	3.0075	-1474.89	1
1191_1192	1191	1192	-44.9085	-7.1145	-0.018	-0.012	2.3265	-318.641	1
1192_1192	1192	1192	-210.242	-2.3295	0.006	0.12	3.2655	-1565.87	1
1192_1193	1192	1193	-38.1825	-6.186	-0.0165	-0.0255	1.98	-249.774	1
1193_1193	1193	1193	-219.378	-8.9895	0.0045	0.0795	3.342	-1623.48	1
1193_1194	1193	1194	-44.469	9	0.024	0.057	2.5665	-289.278	1
1194_1194	1194	1194	-221.918	-10.731	0.0225	-0.0285	3.39	-1637.56	1
1194_1195	1194	1195	-53.9565	9.771	0.0285	0.057	2.9805	-366.222	1
1195_1195	1195	1195	-222.866	-17.289	0.024	0.048	3.6285	-1639.76	1
1195_1196	1195	1196	-64.02	10.3395	0.03	0.063	3.3795	-447.333	1
1196_1196	1196	1196	-217.997	-19.206	0.006	-0.1935	3.855	-1603.03	1
1196_1197	1196	1197	-75.5445	10.749	0.0285	0.018	3.7305	-528.156	1
1197_1197	1197	1197	-210.249	-26.067	0.0105	-0.003	3.9	-1545.22	1
1197_1198	1197	1198	-87.2415	10.902	0.03	0.057	4.0665	-608.036	1
1198_1198	1198	1198	-197.226	-28.6305	-0.072	-0.216	3.96	-1451.15	1
1198_1199	1198	1199	-102.648	11.3715	0.0105	0.003	4.2105	-710.606	1
1199_1199	1199	1199	-172.856	-36.576	-0.066	-0.171	3.2025	-1289.57	1
1199_1200	1199	1200	-106.124	11.25	0.0105	-0.027	4.6275	-757.653	1
1200_1200	1200	1200	-153.981	-38.643	-0.102	-0.336	2.6955	-1192.45	1
1200_1201	1200	1201	-108.072	11.157	-0.006	-0.0795	4.5585	-854.423	1
1201_1201	1201	1201	-104.303	-44.0265	-0.138	-0.459	2.6205	-1129.17	1
1201_1202	1201	1202	-104.985	36.8505	0.0915	0.834	-1.29	-589.856	1
1202_1202	1202	1202	-62.8965	-49.1985	0.2565	-0.453	1.6455	-923.168	1
1202_1203	1202	1203	-122.351	41.5905	-0.3495	0.8295	-5.28	-931.536	1
1203_1203	1203	1203	-38.5185	2.409	0.012	-0.2175	3.9165	-415.067	1
1203_1204	1203	1204	-134.037	49.086	-0.414	1.212	-10.782	-1350.8	1
1204_1204	1204	1204	-152.738	-5.4045	-0.693	-0.138	22.1805	-663.429	1
1204_1205	1204	1205	-19.452	-34.5855	0	-0.4815	2.481	-500.46	1
1205_1205	1205	1205	-163.643	-9.4005	-0.6195	0.1815	13.3365	-779.129	1
1205_1206	1205	1206	-15.003	-0.4605	0.108	0.1275	-2.7465	-157.128	1
1206_1206	1206	1206	-171.209	-13.1565	-0.603	0.2565	7.8975	-856.965	1
1206_1207	1206	1207	-14.6865	-0.417	0.1005	0.12	-1.7745	-147.558	1
1207_1207	1207	1207	-177.401	-16.3245	-0.12	-0.03	2.7135	-924.836	1
1207_1208	1207	1208	-14.4015	-0.396	0.096	0.1125	-1.011	-145.532	1
1208_1208	1208	1208	-182.511	-20.787	-0.1005	-0.087	1.371	-983.795	1
1208_1209	1208	1209	-14.1225	-0.375	0.0915	0.0885	-0.219	-139.542	1
1209_1209	1209	1209	-185.744	-25.641	-0.0885	-0.0045	0.2805	-1026.31	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1209_1210	1209	1210	-13.854	-0.357	0.09	0.087	0.5295	-134.469	1
1210_1210	1210	1210	-187.728	-28.269	-0.0225	-0.0975	-0.5805	-1054.4	1
1210_1211	1210	1211	-13.7085	-0.27	0.0855	0.084	1.0395	-133.44	1
1211_1211	1211	1211	-189.048	-32.2575	-0.009	-0.2475	-0.7545	-1071.1	1
1211_1212	1211	1212	-13.563	-0.27	0.084	0.0585	1.5435	-132.405	1
1212_1212	1212	1212	-190.835	-14.724	0.0165	0.0255	-0.7635	-1076.35	1
1212_1213	1212	1213	-13.4175	-0.27	0.084	0.0585	2.046	-131.372	1
1213_1213	1213	1213	-191.385	-18.9045	0.0105	0.285	-0.5955	-1070.58	1
1213_1214	1213	1214	-13.2885	-0.2295	0.0795	0.0765	2.46	-120.62	1
1214_1214	1214	1214	-190.959	-20.37	0.084	-0.1665	-0.426	-1054.49	1
1214_1215	1214	1215	-13.152	-0.192	0.0855	0.045	3.147	-119.636	1
1215_1215	1215	1215	-189.951	-25.6185	0.0915	0.0585	0.5355	-1025.84	1
1215_1216	1215	1216	-13.014	-0.192	0.087	0.063	3.837	-118.65	1
1216_1216	1216	1216	-187.679	-30.471	0.111	-0.009	1.6725	-983.012	1
1216_1217	1216	1217	-12.8745	-0.192	0.0855	0.045	4.524	-117.665	1
1217_1217	1217	1217	-183.578	-34.0305	0.5595	-0.2865	3.0645	-923.729	1
1217_1218	1217	1218	-13.389	0.8775	0.057	0.0555	0.5175	42.387	1
1218_1218	1218	1218	-178.286	-38.1795	0.585	-0.207	8.121	-855.134	1
1218_1219	1218	1219	-26.3445	33.6195	0.0195	0.3675	2.7945	-488.277	1
1219_1219	1219	1219	-170.963	-42.009	0.6255	-0.078	13.839	-757.683	1
1219_1220	1219	1220	-54.636	38.7615	-0.054	0.4545	0.5535	-695.616	1
1220_1220	1220	1220	-50.1	-8.9085	-0.0225	-0.0945	-1.3455	-448.568	1
1220_1221	1220	1221	-122.586	-44.5365	0.3165	-0.6825	-4.899	-975.65	1
1221_1221	1221	1221	-49.863	-9.66	-0.0105	-0.3015	-1.6155	-356.703	1
1221_1222	1221	1222	-104.115	-36.1845	0.2565	-0.9975	-1.2465	-612.834	1
1222_1222	1222	1222	-71.352	-0.105	0.123	0.5145	0.6645	-899.207	1
1222_1223	1222	1223	-104.394	-9.3885	0.0285	0.5835	5.9595	-901.908	1
1223_1223	1223	1223	-128.187	-4.6455	0.0945	0.0405	1.182	-1048.96	1
1223_1224	1223	1224	-114.269	-9.2985	0.0165	-0.072	4.1295	-759.876	1
1224_1224	1224	1224	-167.412	-8.6385	0.051	0.3765	2.2155	-1214.37	1
1224_1225	1224	1225	-108.495	-10.1955	-0.018	0.2055	3.972	-704.964	1
1225_1225	1225	1225	-177.168	-14.715	0.054	-0.0255	2.8935	-1411.09	1
1225_1226	1225	1226	-86.8875	-10.4055	-0.0225	-0.1335	3.9885	-634.556	1
1226_1226	1226	1226	-202.904	-18.723	0	0.4425	3.9915	-1615.52	1
1226_1227	1226	1227	-75.2595	-10.2915	-0.024	0.1155	3.6885	-544.4	1
1227_1227	1227	1227	-218.426	-25.5105	-0.015	-0.4365	4.116	-1739.06	1
1227_1228	1227	1228	-63.8055	-10.0455	-0.0255	-0.231	3.3405	-456.023	1
1228_1228	1228	1228	-228.011	-29.439	0.006	0.0885	3.966	-1817.5	1
1228_1229	1228	1229	-52.719	-9.57	-0.0225	-0.0255	2.9715	-363.474	1
1229_1229	1229	1229	-232.763	-36.717	-0.003	-0.498	4.1115	-1859.9	1
1229_1230	1229	1230	-60.156	11.0475	0.0225	0.1035	3.3525	-466.197	1
1230_1230	1230	1230	-229.296	-40.9275	-0.0345	-0.1935	4.137	-1842.19	1
1230_1231	1230	1231	-73.0365	11.694	-0.003	0.2655	3.423	-576.744	1
1231_1231	1231	1231	-221.34	-23.859	-0.0525	-0.429	3.597	-1787.22	1
1231_1232	1231	1232	-86.4615	12.0765	-0.009	0.0195	3.3435	-685.16	1
1232_1232	1232	1232	-207.074	-27.9345	-0.105	0.1005	2.838	-1680.7	1
1232_1233	1232	1233	-97.5555	12.3345	-0.0225	0.3195	3.114	-766.995	1
1233_1233	1233	1233	-194.564	-33.1665	-0.1155	-0.4095	1.71	-1584.3	1
1233_1234	1233	1234	-110.598	12.4875	-0.0285	-0.0045	2.7645	-864.585	1
1234_1234	1234	1234	-173.742	-38.8725	-0.1995	-0.795	0.6435	-1453.42	1
1234_1235	1234	1235	-112.292	12.405	-0.0555	-0.402	4.3395	-896.97	1
1235_1235	1235	1235	-166.566	-39.3555	0.2415	-0.1305	0.0645	-1409.11	1
1235_1236	1235	1236	-114.024	12.126	0.1125	0.0525	5.088	-966.723	1
1236_1236	1236	1236	-145.167	-42.5625	0.2235	-0.3195	1.8855	-1320.45	1
1236_1237	1236	1237	-116.61	12.234	0.108	-0.1365	6.123	-1055.31	1
1237_1237	1237	1237	-93.9735	-46.386	0.3045	-1.254	6.243	-1302.65	1
1237_1238	1237	1238	-94.683	12.588	0.1545	-1.101	10.188	-1208.74	1
1238_1238	1238	1238	-79.608	-43.125	-1.1895	-0.474	7.6755	-1222.63	1
1238_1239	1238	1239	-100.827	39.7935	0.513	1.4235	0.057	-745.503	1
1239_1239	1239	1239	-51.8655	-47.6205	-1.218	-0.522	-5.4615	-1058.03	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1239_1240	1239	1240	-114.045	44.571	0.636	1.002	7.4805	-1071.46	1
1240_1240	1240	1240	-38.8215	1.596	0.2415	-0.7035	3.171	-419.342	1
1240_1241	1240	1241	-119.255	39.9825	-1.2615	3.6855	-6.3225	-1429.69	1
1241_1241	1241	1241	-179.561	-15.033	0.8895	3.1335	14.9835	-973.16	1
1241_1242	1241	1242	-16.9605	-1.9365	0.078	0.1845	1.086	40.179	1
1242_1242	1242	1242	-182.157	-19.158	0.8325	2.925	21.5325	-1024.91	1
1242_1243	1242	1243	-16.212	-1.9275	0.078	0.1815	1.2585	42.513	1
1243_1243	1243	1243	-182.085	-15.2055	-1.1355	0.1395	23.8545	-1042.53	1
1243_1244	1243	1244	-14.952	-1.6725	-0.1305	-0.15	0.0135	51.387	1
1244_1244	1244	1244	-186.309	-19.311	-1.0815	-0.333	12.3705	-1113.65	1
1244_1245	1244	1245	-13.608	-1.6575	-0.114	-0.1155	-1.185	62.1375	1
1245_1245	1245	1245	-189.21	-23.307	-0.2175	-0.0165	0.183	-1172.08	1
1245_1246	1245	1246	-12.465	-1.5375	-0.036	-0.153	-1.5135	69.3285	1
1246_1246	1246	1246	-190.907	-28.4565	-0.1695	-0.528	-2.5275	-1213.68	1
1246_1247	1246	1247	-11.3025	-1.5135	-0.0195	-0.105	-1.674	77.298	1
1247_1247	1247	1247	-191.717	-32.9445	-0.0015	-0.2415	-4.5975	-1237.16	1
1247_1248	1247	1248	-10.9575	-0.069	-0.084	-0.0825	1.1055	-120.857	1
1248_1248	1248	1248	-194.219	-14.2965	-0.0045	-0.003	-4.9275	-1243.61	1
1248_1249	1248	1249	-10.902	-0.069	-0.0855	-0.1305	0.2085	-120.351	1
1249_1249	1249	1249	-196.304	-19.7745	0.705	0.366	-4.7445	-1232.66	1
1249_1250	1249	1250	-10.851	-0.0705	-0.042	-0.081	-0.2025	-115.545	1
1250_1250	1250	1250	-196.776	-25.626	0.756	-0.3285	3.0555	-1198.95	1
1250_1251	1250	1251	-10.8015	-0.0705	-0.0435	-0.1725	-0.603	-115.091	1
1251_1251	1251	1251	-196.079	-25.2675	0.3615	0.2625	10.3005	-1151.16	1
1251_1252	1251	1252	-11.046	0.3465	-0.135	-0.1005	-2.025	-121.683	1
1252_1252	1252	1252	-197.798	-30.5505	0.5175	-0.1815	15.138	-1114.81	1
1252_1253	1252	1253	-11.727	29.529	0.3765	0.5475	10.0545	-638.582	1
1253_1253	1253	1253	-196.833	-36.003	0.6015	0.228	22.5555	-1038.27	1
1253_1254	1253	1254	-19.3425	32.103	0.342	0.672	8.865	-683.913	1
1254_1254	1254	1254	-195.635	-31.419	-0.4935	-5.331	25.167	-1013.33	1
1254_1255	1254	1255	-35.439	33.147	-0.1905	-0.111	6.5925	-816.81	1
1255_1255	1255	1255	-58.3305	-8.0865	0.072	-0.3975	-2.0895	-514.178	1
1255_1256	1255	1256	-120.378	-41.1225	1.2975	-2.793	-3.579	-1223.51	1
1256_1256	1256	1256	-58.6905	-8.7345	0.0825	-0.537	-1.4985	-455.765	1
1256_1257	1256	1257	-114.485	-36.621	1.152	-2.7045	4.8285	-992.394	1
1257_1257	1257	1257	-58.3425	-9.489	-0.0285	-0.1845	-0.936	-401.211	1
1257_1258	1257	1258	-101.102	-35.9055	0.0825	-0.66	4.371	-680.229	1
1258_1258	1258	1258	-75.366	-1.404	0.1215	0.102	-9.6585	-1136.11	1
1258_1259	1258	1259	-108.369	-11.502	0.078	0.135	-0.1965	-1177.6	1
1259_1259	1259	1259	-136.715	-4.9395	0.5235	0.21	-6.7755	-1229.26	1
1259_1260	1259	1260	-128.268	-11.7555	0.276	0.2475	2.7855	-971.663	1
1260_1260	1260	1260	-171.053	-9.456	0.5685	0.12	-1.7085	-1379.91	1
1260_1261	1260	1261	-121.065	-12.342	0.2745	0.0075	5.385	-891.438	1
1261_1261	1261	1261	-201.36	-13.9125	0.4545	0.1875	2.814	-1417.94	1
1261_1262	1261	1262	-121.535	-12.6405	0.207	-0.069	4.734	-814.59	1
1262_1262	1262	1262	-206.843	-14.2575	-0.0075	0.351	4.296	-1457.46	1
1262_1263	1262	1263	-107.912	-12.882	-0.033	0.1395	4.3605	-728.967	1
1263_1263	1263	1263	-224.355	-19.563	-0.0195	-0.078	4.3515	-1582.42	1
1263_1264	1263	1264	-93.4215	-12.765	-0.036	-0.1275	3.93	-633.813	1
1264_1264	1264	1264	-238.431	-23.313	-0.006	0.2205	4.2165	-1685.13	1
1264_1265	1264	1265	-79.6155	-12.5535	-0.024	0.03	3.657	-544.284	1
1265_1265	1265	1265	-249.5	-29.5245	-0.021	-0.2895	4.1985	-1766.68	1
1265_1266	1265	1266	-66.057	-12.402	-0.027	-0.1725	3.3375	-454.764	1
1266_1266	1266	1266	-254.106	-33.291	-0.018	-0.0375	3.9315	-1805.68	1
1266_1267	1266	1267	-52.668	-11.7855	-0.027	-0.063	2.9385	-359.387	1
1267_1267	1267	1267	-254.66	-39.906	-0.033	-0.366	3.6405	-1817.56	1
1267_1268	1267	1268	-53.019	12.3825	-0.0105	0.1185	2.6475	-488.394	1
1268_1268	1268	1268	-247.995	-44.082	-0.057	-0.18	3.09	-1781.99	1
1268_1269	1268	1269	-68.3325	12.4065	-0.0165	0.2175	2.4165	-586.164	1
1269_1269	1269	1269	-234.735	-51.594	-0.0795	-0.6	2.052	-1703.23	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1269_1270	1269	1270	-81.786	12.4065	-0.0255	0.0165	2.1225	-671.013	1
1270_1270	1270	1270	-217.949	-31.164	0.351	-0.0315	0.3525	-1594.12	1
1270_1271	1270	1271	-92.3955	12.225	0.1365	0.1875	3.3705	-737.936	1
1271_1271	1271	1271	-202.922	-35.637	0.324	-0.3255	3.363	-1493.66	1
1271_1272	1271	1272	-105.311	12.225	0.129	-0.0105	4.8105	-819.405	1
1272_1272	1272	1272	-166.181	-40.848	0.3915	-0.7545	8.748	-1473.39	1
1272_1273	1272	1273	-99.276	12.3105	0.1665	-0.3315	7.2435	-928.029	1
1273_1273	1273	1273	-156.525	-35.841	-0.138	-0.1335	10.0005	-1410.65	1
1273_1274	1273	1274	-104.393	14.3415	0.0225	0.1335	7.4295	-1009.43	1
1274_1274	1274	1274	-138.06	-39.6315	-0.108	-0.3855	8.394	-1324.52	1
1274_1275	1274	1275	-105.071	14.4855	0.0165	-0.1605	7.545	-1097.46	1
1275_1275	1275	1275	-94.899	-43.0125	-0.135	-1.62	11.223	-1341.92	1
1275_1276	1275	1276	-87.8115	33.7605	0.333	1.1085	-9.27	-541.241	1
1276_1276	1276	1276	-83.304	-39.519	-2.145	-0.5925	10.611	-1280.95	1
1276_1277	1276	1277	-103.251	36.7245	1.407	1.5225	6.5205	-800.648	1
1277_1277	1277	1277	-53.325	-44.6085	-2.124	-0.4695	-14.5425	-1118.07	1
1277_1278	1277	1278	-115.254	40.2645	1.581	0.5145	27.9945	-1153.45	1
1278_1278	1278	1278	-40.1655	7.6605	-0.681	1.1115	7.941	-451.74	1
1278_1279	1278	1279	-118.239	37.2975	-2.91	4.833	3.3015	-1403.75	1
1279_1279	1279	1279	-174.533	-15.8625	1.791	2.8785	-1.1955	-1021.05	1
1279_1280	1279	1280	-10.899	-2.247	0.288	0.405	1.47	51.5865	1
1280_1280	1280	1280	-176.505	-19.6395	1.5615	2.472	13.764	-1039.64	1
1280_1281	1280	1281	-9.1905	-2.172	0.252	0.3375	2.616	52.8765	1
1281_1281	1281	1281	-163.611	-19.542	-1.6695	0.2115	40.3455	-1117.93	1
1281_1282	1281	1282	-9.75	-1.803	-0.306	-0.1395	1.4115	83.004	1
1282_1282	1282	1282	-163.98	-25.3305	-1.4085	-0.4725	17.6055	-1163.73	1
1282_1283	1282	1283	-8.2725	-1.803	-0.288	-0.072	-2.088	98.9745	1
1283_1283	1283	1283	-162.464	-27.12	-0.0135	-0.0195	0.837	-1177.17	1
1283_1284	1283	1284	-6.957	-1.5585	0.0465	-0.165	-1.428	107.2725	1
1284_1284	1284	1284	-167.648	-10.0875	0.0195	-0.3195	0.756	-1193.82	1
1284_1285	1284	1285	-5.838	-1.4955	0.066	-0.0645	-0.591	111.432	1
1285_1285	1285	1285	-174.189	-13.137	0.1215	0.495	0.642	-1215.95	1
1285_1286	1285	1286	-5.2515	0.519	0.204	0.18	6.1665	-198.327	1
1286_1286	1286	1286	-181.104	-20.073	0.3015	-0.258	2.871	-1224.84	1
1286_1287	1286	1287	-5.6145	0.519	0.1905	0.015	8.1465	-202.262	1
1287_1287	1287	1287	-185.885	-22.359	0.4965	0.441	7.7655	-1201.62	1
1287_1288	1287	1288	-5.91	0.3705	0.0855	0.186	9.9975	-226.518	1
1288_1288	1288	1288	-195.33	-19.4475	0.7875	-0.258	19.5405	-1137.55	1
1288_1289	1288	1289	-6.192	28.245	0.2325	0.384	16.173	-692.13	1
1289_1289	1289	1289	-200.771	-21.5325	-1.437	-1.5105	31.983	-1100.28	1
1289_1290	1289	1290	-13.8315	30.213	-0.4545	0.24	12.1515	-753.195	1
1290_1290	1290	1290	-203.019	-23.34	-1.524	-2.133	28.4085	-1105.33	1
1290_1291	1290	1291	-29.856	32.3505	-0.435	0.036	6.705	-974.69	1
1291_1291	1291	1291	-27.063	-1.4625	0.024	0.213	4.263	-651.908	1
1291_1292	1291	1292	-81.516	-12.189	-1.7865	2.958	-8.652	-1813.76	1
1292_1292	1292	1292	-37.089	5.1795	1.257	0.402	-24.9225	-934.377	1
1292_1293	1292	1293	-93.7275	-9.5445	0.5865	1.59	-0.7755	-1682.54	1
1293_1293	1293	1293	-67.5615	1.422	1.2615	-0.4845	-10.6605	-1297.85	1
1293_1294	1293	1294	-101.202	-9.603	0.5805	-0.6405	5.922	-1577.24	1
1294_1294	1294	1294	-98.304	-2.3625	0.081	1.887	1.9155	-1602.44	1
1294_1295	1294	1295	-102.569	-10.716	0.015	1.8495	5.9055	-1510.72	1
1295_1295	1295	1295	-138.752	24.513	0.135	0.291	0.378	-1683.51	1
1295_1296	1295	1296	-117.96	-10.7415	0.0075	-0.0165	4.122	-1340.16	1
1296_1296	1296	1296	-159.359	21.042	0.144	0.027	1.386	-1869.64	1
1296_1297	1296	1297	-111.873	-10.9395	0.0045	-0.3225	4.1985	-1271.64	1
1297_1297	1297	1297	-179.13	19.6815	0.057	1.5225	2.8275	-2089.48	1
1297_1298	1297	1298	-109.125	-10.6725	0.042	0.6645	4.365	-1241.42	1
1298_1298	1298	1298	-158.909	17.8755	0.0705	1.617	4.8675	-2356.23	1
1298_1299	1298	1299	-87.759	-10.7595	0.0615	0.5115	7.245	-1266.49	1
1299_1299	1299	1299	-173.867	13.653	0.03	-0.627	5.6385	-2567.93	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1299_1300	1299	1300	-80.8515	-10.662	0.057	-0.705	7.9905	-1167.73	1
1300_1300	1300	1300	-191.736	10.9185	-0.114	2.0985	5.7585	-2820.29	1
1300_1301	1300	1301	-73.3815	-10.548	-0.1005	0.5145	6.6705	-1064.35	1
1301_1301	1301	1301	-208.527	4.0845	-0.1515	-1.269	4.0485	-3056.2	1
1301_1302	1301	1302	-66.96	-10.533	-0.105	-0.768	5.484	-974.862	1
1302_1302	1302	1302	-218.402	2.0955	-0.0765	2.22	2.0835	-3193.96	1
1302_1303	1302	1303	-59.559	-10.2195	-0.1005	0.3645	4.1355	-871.724	1
1303_1303	1303	1303	-226.839	-5.178	-0.1155	-2.1585	0.915	-3309.77	1
1303_1304	1303	1304	-53.5125	-10.1685	-0.1065	-0.861	2.9715	-785.831	1
1304_1304	1304	1304	-229.512	-33.7215	-0.0945	1.1385	-0.1815	-3347.77	1
1304_1305	1304	1305	-46.614	-9.798	-0.141	0.12	1.1385	-687.419	1
1305_1305	1305	1305	-231.557	-40.683	-0.129	-2.5035	-1.8195	-3374.9	1
1305_1306	1305	1306	-40.593	-9.7395	-0.1455	-0.6975	-0.5145	-601.799	1
1306_1306	1306	1306	-227.586	-42.3435	-0.126	0.681	-3.5955	-3316.79	1
1306_1307	1306	1307	-34.6635	-9.2655	-0.2025	-0.0315	-2.895	-516.561	1
1307_1307	1307	1307	-220.583	-49.05	-0.1515	-2.373	-5.1405	-3214.14	1
1307_1308	1307	1308	-28.4145	-9.126	-0.204	-0.5625	-5.4345	-425.186	1
1308_1308	1308	1308	-205.832	-52.1445	-0.0975	0.1425	-6.9465	-3001.05	1
1308_1309	1308	1309	-22.794	-8.418	-0.129	-0.1455	-6.8445	-336.593	1
1309_1309	1309	1309	-186.822	-59.6595	-0.132	-2.6865	-7.842	-2726.11	1
1309_1310	1309	1310	-17.3865	-7.716	-0.126	-0.483	-7.9695	-244.607	1
1310_1310	1310	1310	-159.047	-64.788	0.327	-0.6435	-9.09	-2326.11	1
1310_1311	1310	1311	-12.216	-6.8115	-0.288	-0.156	-10.698	-151.98	1
1311_1311	1311	1311	-123.456	-82.314	0.291	-2.535	-4.728	-1824	1
1311_1312	1311	1312	-7.8765	-5.733	-0.348	-0.261	-14.94	-78.465	1
1312_1312	1312	1312	-78.051	-90.687	0.063	-1.425	-1.1235	-1172.91	1
1312_1313	1312	1313	-17.592	36.501	0.1365	1.986	0	-71.715	1
1400_1020	1400	1020	-31.983	-1.9965	0.738	0.06	-27.1965	-168.002	1
1400_1401	1400	1401	-156.254	12.927	-20.1435	-0.477	86.6265	60.2745	1
1401_1401	1401	1401	-31.92	-2.1225	1.6065	-0.5205	-23.91	-159.81	1
1401_1402	1401	1402	-156.318	11.874	-6.4395	1.6695	64.6455	18.78	1
1402_1402	1402	1402	-31.86	-2.892	1.5795	0.0495	-18.273	-152.411	1
1402_1403	1402	1403	-156.554	8.0955	-6.5685	0.0915	-7.053	-69.6015	1
1403_1403	1403	1403	-32.3865	-3.9735	0.138	-0.084	-1.206	-121.911	1
1403_1404	1403	1404	-149.577	3.5235	0.1755	0.3405	-4.1235	-94.989	1
1404_1404	1404	1404	-32.286	-4.7265	0.159	-0.135	-0.2265	-93.2565	1
1404_1405	1404	1405	-149.619	0.0405	0.2655	0.3795	-2.223	-95.286	1
1405_1405	1405	1405	-34.431	-6.0315	-0.129	-0.1185	0.8235	-59.253	1
1405_1406	1405	1406	-140.306	-4.686	0.2025	0.267	2.0415	-27.7425	1
1406_1406	1406	1406	-36.594	-7.3425	-1.617	-0.2325	-1.116	27.696	1
1406_1407	1406	1407	-132.489	-9.333	0.6225	0.2955	8.769	54.9675	1
1407_1407	1407	1407	-36.432	-8.1075	-1.596	0.1395	-15.4245	92.766	1
1407_1408	1407	1408	-132.264	-12.108	0.6945	0.141	12.648	122.2515	1
1408_1408	1408	1408	-41.598	0.246	2.1045	-1.9755	-25.0665	138.054	1
1408_1409	1408	1409	-141.519	10.8945	6.402	-0.3585	-3.045	204.036	1
1409_1409	1409	1409	-41.6085	-0.573	0.9075	1.9125	-18.696	137.9235	1
1409_1410	1409	1410	-141.795	-12.0705	6.2055	0.297	15.711	240.375	1
1410_1410	1410	1410	-40.908	8.022	0.999	-0.312	-15.555	139.4295	1
1410_1411	1410	1411	-149.723	18.189	-1.0005	-0.2265	8.829	139.281	1
1411_1411	1411	1411	-41.064	7.167	1.0755	0.06	-10.074	94.8375	1
1411_1412	1411	1412	-150.071	15.063	-0.732	-0.1725	2.232	5.829	1
1412_1412	1412	1412	-42.7245	5.7375	0.078	-0.063	-0.837	31.3395	1
1412_1413	1412	1413	-159.366	9.8175	-0.123	-0.216	-0.8865	-135.68	1
1413_1413	1413	1413	-44.4435	4.281	0.288	-0.0765	-0.0045	-51.3045	1
1413_1414	1413	1414	-170.154	4.5705	0.2355	-0.3855	-0.6195	-168.638	1
1414_1414	1414	1414	-44.532	3.2445	0.258	-0.0705	2.049	-82.1625	1
1414_1415	1414	1415	-170.214	0.6075	0.123	-0.2595	0.222	-173.015	1
1415_1415	1415	1415	-43.311	1.836	2.601	0.4065	3.7155	-105.327	1
1415_1416	1415	1416	-177.623	-4.605	6.0825	0.228	65.0835	-122.717	1
1416_1416	1416	1416	-43.3125	0.813	3.0585	-1.6665	32.4795	-125.291	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1416_1417	1416	1417	-177.392	-8.784	7.9275	-2.589	93.024	-91.923	1
1417_1417	1417	1417	-43.3485	0.5685	-0.9525	-0.003	43.7085	-128.142	1
1417_1036	1417	1036	-177.284	-10.011	16.086	0.333	158.6625	-50.9025	1
1420_1056	1420	1056	-42.783	0.0585	0.9975	0.0135	21.8025	-97.8525	1
1420_1421	1420	1421	-169.769	11.346	-16.7505	-0.306	64.542	-16.794	1
1421_1421	1421	1421	-42.807	-0.0795	-1.7445	0.4665	25.5975	-98.094	1
1421_1422	1421	1422	-169.641	10.362	-5.0385	1.3005	47.5245	-52.914	1
1422_1422	1422	1422	-42.7935	-1.0965	-1.725	-0.0405	19.512	-97.818	1
1422_1423	1422	1423	-169.842	6.3315	-4.9635	0.1485	-6.684	-122.081	1
1423_1423	1423	1423	-42.4695	-2.373	-0.096	0.102	1.0725	-85.848	1
1423_1424	1423	1424	-160.722	1.464	0.183	0.3435	-3.4215	-132.623	1
1424_1424	1424	1424	-42.405	-3.342	-0.051	0.0225	0.363	-68.76	1
1424_1425	1424	1425	-160.713	-2.2035	0.348	0.285	-0.945	-116.72	1
1425_1425	1425	1425	-39.876	-4.668	0.012	0.048	0.3975	-44.652	1
1425_1426	1425	1426	-149.484	-7.1415	-0.033	0.2175	0.1575	-13.7715	1
1426_1426	1426	1426	-37.4235	-5.967	-1.1835	-0.066	1.002	22.6455	1
1426_1427	1426	1427	-140.079	-11.631	0.342	0.1785	4.5975	86.6085	1
1427_1427	1427	1427	-37.293	-6.7485	-1.1055	0.2775	-9.4185	75.5145	1
1427_1428	1427	1428	-139.805	-14.5545	0.624	0.249	8.142	167.4765	1
1428_1428	1428	1428	-36.99	0.951	-1.2885	-2.313	-15.6765	112.9935	1
1428_1429	1428	1429	-131.798	12.402	5.973	-0.4035	-3.2895	131.8065	1
1429_1429	1429	1429	-36.9135	-0.855	-2.5815	2.2875	-19.557	110.6055	1
1429_1430	1429	1430	-132.048	-13.587	5.7855	0.3495	14.244	172.785	1
1430_1430	1430	1430	-33.585	5.9835	1.1295	-0.2625	-16.0035	100.8015	1
1430_1431	1430	1431	-140.609	14.103	-0.957	-0.1695	7.845	79.344	1
1431_1431	1431	1431	-33.7005	5.283	1.182	0.0375	-9.7695	67.5495	1
1431_1432	1431	1432	-140.873	11.175	-0.7485	-0.219	1.1625	-19.6365	1
1432_1432	1432	1432	-34.7715	4.107	-0.015	-0.063	0.4335	20.595	1
1432_1433	1432	1433	-149.859	6.63	0.0645	-0.225	0.6465	-112.637	1
1433_1433	1433	1433	-36.0045	2.931	-0.0315	-0.0255	-0.045	-38.5905	1
1433_1434	1433	1434	-160.787	1.6635	-0.399	-0.255	-3.8385	-124.65	1
1434_1434	1434	1434	-36.063	2.094	0.033	-0.1245	-0.243	-59.7255	1
1434_1435	1434	1435	-160.782	-2.0685	-0.1125	-0.387	-4.5855	-109.74	1
1435_1435	1435	1435	-34.479	0.963	2.499	0.0975	-0.2625	-74.475	1
1435_1436	1435	1436	-169.254	-7.356	5.2275	-0.1335	50.301	-20.889	1
1436_1436	1436	1436	-34.488	0.1515	2.559	-0.6855	27.0765	-84.975	1
1436_1437	1436	1437	-169.025	-11.3265	5.5185	-1.35	69.5175	18.588	1
1437_1437	1437	1437	-34.4955	0.0285	-0.951	0.0525	36.627	-85.5375	1
1437_1072	1437	1072	-168.926	-12.4035	16.683	0.33	137.268	69.2445	1
1440_1094	1440	1094	-39.4215	-0.0405	0.732	-0.042	25.2795	-96.9705	1
1440_1441	1440	1441	-171.731	12.018	-16.248	-0.3135	50.0385	0.819	1
1441_1441	1441	1441	-39.4725	-0.1935	-2.0025	0.4875	27.693	-96.8115	1
1441_1442	1441	1442	-171.584	11.0415	-4.026	1.182	36.6975	-37.7205	1
1442_1442	1442	1442	-39.456	-1.14	-2.0025	-0.009	20.712	-96.1395	1
1442_1443	1442	1443	-171.8	6.9225	-4.0275	0.3015	-7.2855	-113.349	1
1443_1443	1443	1443	-40.209	-2.4	0.066	0.0795	-0.9015	-84.3465	1
1443_1444	1443	1444	-162.437	1.7325	0.3315	0.339	-2.757	-131.409	1
1444_1444	1444	1444	-40.1445	-3.3165	0.06	0.099	-0.4245	-67.071	1
1444_1445	1444	1445	-162.434	-1.9725	0.309	0.42	-0.5175	-117.185	1
1445_1445	1445	1445	-38.571	-4.6125	0.0465	0.075	0.321	-43.1535	1
1445_1446	1445	1446	-151.65	-6.945	-0.1035	0.264	-0.3645	-17.025	1
1446_1446	1446	1446	-37.161	-5.9325	-1.1505	-0.024	1.359	23.406	1
1446_1447	1446	1447	-142.703	-11.7135	0.2955	0.222	3.7575	84.9915	1
1447_1447	1447	1447	-37.032	-6.696	-1.092	0.2685	-8.781	75.9465	1
1447_1448	1447	1448	-142.431	-14.6475	0.5145	0.27	6.681	166.4055	1
1448_1448	1448	1448	-37.8555	1.215	-0.2295	-2.85	-15.177	113.3505	1
1448_1449	1448	1449	-134.45	13.779	-4.6845	-1.3725	-5.991	130.2255	1
1449_1449	1449	1449	-37.7595	-1.005	-2.1285	2.922	-15.8805	109.938	1
1449_1450	1449	1450	-134.082	-12.798	-7.116	1.365	-27.51	169.245	1
1450_1450	1450	1450	-33.204	6.7095	1.623	-0.0345	-21.645	112.9185	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1450_1451	1450	1451	-134.931	13.572	-1.224	-0.0705	11.067	76.3125	1
1451_1451	1451	1451	-33.336	6.0255	1.611	0.2025	-12.612	75.618	1
1451_1452	1451	1452	-135.18	10.794	-1.2675	-0.321	-0.1515	-19.3005	1
1452_1452	1452	1452	-31.554	4.7925	-0.09	0.129	1.5885	21.7095	1
1452_1453	1452	1453	-144.408	6.069	0.195	-0.261	1.1835	-106.785	1
1453_1453	1453	1453	-29.529	3.6225	0.0375	0.129	0.3405	-47.3625	1
1453_1454	1453	1454	-155.591	1.701	-0.2865	-0.396	-2.5965	-122.007	1
1454_1454	1454	1454	-29.601	2.9745	0.0405	0.1095	0.615	-73.5	1
1454_1455	1454	1455	-155.591	-1.713	-0.273	-0.348	-4.5675	-109.709	1
1455_1455	1455	1455	-28.9425	1.89	-1.161	0.051	1.1055	-93.48	1
1455_1456	1455	1456	-165.888	-6.6375	3.4725	-0.3195	31.332	-37.0875	1
1456_1456	1456	1456	-28.98	1.2105	-1.1355	0.222	-11.5635	-114.158	1
1456_1457	1456	1457	-165.684	-10.5285	3.6165	-1.0875	43.944	-0.3405	1
1457_1457	1457	1457	-29.052	1.1055	-0.6045	-0.051	-16.074	-118.373	1
1457_1110	1457	1110	-165.755	-11.49	16.1385	0.2535	109.059	46.695	1
1460_1132	1460	1132	-49.65	1.44	1.3125	-0.0375	20.409	-91.626	1
1460_1461	1460	1461	-200.192	15.7455	-13.236	-0.1995	38.535	-4.851	1
1461_1461	1461	1461	-49.6905	1.2225	-1.74	0.3585	25.2045	-97.524	1
1461_1462	1461	1462	-200.069	14.664	-2.805	0.945	29.574	-55.995	1
1462_1462	1462	1462	-49.7025	0.03	-1.785	-0.0075	19.167	-101.783	1
1462_1463	1462	1463	-200.36	9.861	-2.985	0.2865	-2.9985	-163.673	1
1463_1463	1463	1463	-51.921	-1.4475	0.033	-0.051	0.4995	-102.468	1
1463_1464	1463	1464	-194.289	3.678	0.1965	0.0585	1.5105	-201.447	1
1464_1464	1464	1464	-51.873	-2.652	-0.12	0.198	0.825	-92.037	1
1464_1465	1464	1465	-194.322	-0.8355	-0.366	0.6075	-0.924	-195.423	1
1465_1465	1465	1465	-51.627	-4.4235	0.024	0.0375	0.264	-72.906	1
1465_1466	1465	1466	-186.302	-7.0725	0.0255	0.165	1.2105	-93.4995	1
1466_1466	1466	1466	-51.459	-6.246	-0.5505	0.027	0.8895	-9.1605	1
1466_1467	1466	1467	-179.588	-13.4025	-0.9705	0.0855	-5.907	25.206	1
1467_1467	1467	1467	-51.318	-7.3005	-0.654	0.021	-4.0215	46.146	1
1467_1468	1467	1468	-179.271	-17.0895	-1.3245	0.159	-13.2855	120.1905	1
1468_1468	1468	1468	-52.557	3.663	0.096	-1.032	-7.836	87.1965	1
1468_1469	1468	1469	-174.852	19.566	-4.4595	-0.0345	-26.7945	63.348	1
1469_1469	1469	1469	-41.814	-3.5115	0.492	0.6825	-6.6435	38.6295	1
1469_1470	1469	1470	-152.85	-19.0665	4.7925	-0.4815	-8.5545	57.45	1
1470_1470	1470	1470	-41.562	5.244	0.4335	-0.024	-5.0475	48.852	1
1470_1471	1470	1471	-158.087	12.726	0.8715	-0.1605	-3.744	-20.802	1
1471_1471	1471	1471	-41.661	4.389	0.3885	0.009	-2.625	19.7025	1
1471_1472	1471	1472	-158.315	9.4725	0.7035	-0.063	2.469	-104.685	1
1472_1472	1472	1472	-42.27	2.9025	-0.018	-0.0105	0.546	-19.1895	1
1472_1473	1472	1473	-164.855	4.2705	0.0015	-0.141	1.1595	-164.121	1
1473_1473	1473	1473	-42.9465	1.47	0.0165	-0.0255	0.012	-61.047	1
1473_1474	1473	1474	-172.893	-1.1595	-0.21	-0.2955	-1.797	-155.751	1
1474_1474	1474	1474	-42.969	0.4905	0.0225	-0.0375	0.1365	-71.6535	1
1474_1475	1474	1475	-172.821	-5.103	-0.1905	-0.2715	-3.171	-119.016	1
1475_1475	1475	1475	-42.6255	-0.831	0.744	-0.015	0.0405	-74.952	1
1475_1476	1475	1476	-181.05	-10.7295	2.3415	-0.303	20.4405	7.1145	1
1476_1476	1476	1476	-42.594	-1.8525	0.714	-0.1635	8.1465	-65.8815	1
1476_1477	1476	1477	-180.743	-15.0705	2.2155	-0.798	28.158	59.685	1
1477_1477	1477	1477	-42.5685	-1.9935	-1.026	-0.0285	10.719	-59.412	1
1477_1148	1477	1148	-181.083	-15.9795	14.2245	0.186	85.269	125.151	1
1480_1168	1480	1168	-48.15	1.896	0.7395	0.0315	8.2365	-69.7545	1
1480_1481	1480	1481	-183.896	15.594	-15.1725	-0.258	26.289	37.554	1
1481_1481	1481	1481	-48.108	1.734	-0.6615	0.018	11.13	-77.529	1
1481_1482	1481	1482	-184.056	14.544	-1.86	0.756	21.06	-13.1835	1
1482_1482	1482	1482	-48.1335	0.5805	-0.8085	0.063	8.8935	-83.5695	1
1482_1483	1482	1483	-184.346	10.1295	-2.415	0.291	-5.295	-123.801	1
1483_1483	1483	1483	-48.2475	-0.894	-0.0105	0.027	0.3825	-89.91	1
1483_1484	1483	1484	-175.586	4.8015	0.261	0.2415	-1.599	-158.396	1
1484_1484	1484	1484	-48.2145	-2.0145	-0.018	0.0315	0.3135	-83.4705	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1484_1485	1484	1485	-175.649	0.72	0.237	0.3	0.12	-163.587	1
1485_1485	1485	1485	-47.2245	-3.6585	0.018	0.009	0.51	-69.039	1
1485_1486	1485	1486	-166.968	-4.8945	-0.0195	0.1365	1.3335	-93.0315	1
1486_1486	1486	1486	-46.206	-5.3145	-0.5625	-0.003	1.0845	-16.287	1
1486_1487	1486	1487	-159.627	-10.548	-0.858	0.06	-4.9545	0.3885	1
1487_1487	1487	1487	-46.0845	-6.261	-0.6555	0.018	-3.921	30.7665	1
1487_1488	1487	1488	-159.374	-13.824	-1.1715	0.1605	-11.46	77.2275	1
1488_1488	1488	1488	-46.158	3.381	-0.984	-0.8475	-7.635	65.8335	1
1488_1489	1488	1489	-153.491	18.096	-5.874	0.423	-29.2455	30.3405	1
1489_1489	1489	1489	-46.7415	-3.546	0.1815	1.08	-9.0195	61.0965	1
1489_1490	1489	1490	-158.871	-18.9735	5.5665	-0.2205	-12.042	83.5485	1
1490_1490	1490	1490	-45.8745	6.2265	0.6765	-0.0585	-8.307	71.823	1
1490_1491	1490	1491	-164.355	14.0235	1.119	-0.174	-5.733	-2.0565	1
1491_1491	1491	1491	-45.9945	5.2815	0.627	-0.003	-4.5285	37.2195	1
1491_1492	1491	1492	-164.61	10.6395	0.9435	-0.054	2.622	-96.276	1
1492_1492	1492	1492	-46.308	3.6405	-0.03	-0.027	0.783	-9.5505	1
1492_1493	1492	1493	-171.707	4.809	-0.0045	-0.1365	1.317	-165.57	1
1493_1493	1493	1493	-46.6995	2.0445	-0.0405	-0.045	0.1245	-62.0085	1
1493_1494	1493	1494	-180.144	-0.972	-0.2475	-0.282	-1.872	-158.556	1
1494_1494	1494	1494	-46.7355	0.9585	-0.0345	-0.051	-0.1665	-76.755	1
1494_1495	1494	1495	-180.074	-5.1585	-0.222	-0.261	-3.4755	-121.374	1
1495_1495	1495	1495	-45.6945	-0.48	1.2615	0.0105	-0.6165	-83.1435	1
1495_1496	1495	1496	-188.568	-10.599	2.424	-0.2775	21.2865	-5.601	1
1496_1496	1496	1496	-45.669	-1.5765	1.272	-0.321	13.1655	-77.895	1
1496_1497	1496	1497	-188.259	-15.12	2.463	-0.789	29.8665	47.1495	1
1497_1497	1497	1497	-45.6105	-1.7535	-1.0485	0.003	17.8995	-72.387	1
1497_1184	1497	1184	-188.579	-16.0725	14.9505	0.2985	90.066	112.998	1
1500_1204	1500	1204	-32.736	0.018	0.312	0.018	14.328	-76.9845	1
1500_1501	1500	1501	-171.426	12.3135	-17.9145	-0.639	48.3885	3.3285	1
1501_1501	1501	1501	-32.6985	-0.0765	-1.026	0.339	15.5385	-77.0475	1
1501_1502	1501	1502	-171.695	11.1975	-3.9045	1.2465	35.778	-35.6625	1
1502_1502	1502	1502	-32.688	-0.87	-1.0035	-0.003	11.9475	-76.782	1
1502_1503	1502	1503	-171.92	7.0305	-3.7875	0.354	-5.5425	-112.386	1
1503_1503	1503	1503	-32.334	-1.86	-0.0765	0.0645	1.2285	-67.6845	1
1503_1504	1503	1504	-161.412	2.1255	0.1815	0.387	-2.445	-127.692	1
1504_1504	1504	1504	-32.283	-2.61	-0.081	0.057	0.6855	-54.282	1
1504_1505	1504	1505	-161.418	-1.626	0.159	0.462	-1.281	-115.964	1
1505_1505	1505	1505	-34.998	-4.992	-0.0075	-0.138	0.8565	-50.9955	1
1505_1506	1505	1506	-149.942	-6.6165	-0.024	0.2805	-0.132	-20.55	1
1506_1506	1506	1506	-37.563	-6.354	-1.872	-0.2595	0.6135	21.1845	1
1506_1507	1506	1507	-139.988	-11.595	0.852	0.252	8.733	82.1475	1
1507_1507	1507	1507	-37.4265	-7.1265	-1.83	0.1485	-15.924	77.4675	1
1507_1508	1507	1508	-139.718	-14.472	1.0035	0.1575	14.352	162.5805	1
1508_1508	1508	1508	-42.7545	1.5375	2.748	-3.2445	-26.7495	117.2475	1
1508_1509	1508	1509	-137.568	13.7325	7.533	-0.5925	-5.2005	113.271	1
1509_1509	1509	1509	-42.783	-1.653	1.299	3.3045	-18.4605	112.6605	1
1509_1510	1509	1510	-137.823	-14.652	7.155	0.843	16.3035	157.269	1
1510_1510	1510	1510	-43.206	7.338	0.9915	-0.276	-14.4315	117.573	1
1510_1511	1510	1511	-147.671	14.7375	-1.086	-0.198	8.7435	75.2475	1
1511_1511	1511	1511	-43.3455	6.4485	1.08	0.0525	-8.9865	76.773	1
1511_1512	1511	1512	-147.945	11.7015	-0.795	-0.234	1.6335	-28.368	1
1512_1512	1512	1512	-45.7335	4.9095	0.0075	-0.0585	0.2355	19.59	1
1512_1513	1512	1513	-158.274	6.468	-0.045	-0.273	-0.2505	-121.625	1
1513_1513	1513	1513	-48.2475	3.3855	0.129	-0.066	-0.006	-51.159	1
1513_1514	1513	1514	-170.147	1.2135	-0.1785	-0.45	-2.904	-130.371	1
1514_1514	1514	1514	-48.3135	2.2635	0.1365	-0.099	0.9285	-75.582	1
1514_1515	1514	1515	-170.129	-2.742	-0.153	-0.4005	-4.0155	-110.61	1
1515_1515	1515	1515	-49.185	0.8445	1.3455	-0.042	1.611	-91.6755	1
1515_1516	1515	1516	-181.298	-7.845	3.78	-0.378	35.6145	-24.99	1
1516_1516	1516	1516	-49.1925	-0.348	1.3125	-0.3675	16.275	-100.898	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1516_1517	1516	1517	-181.056	-12.2385	3.6585	-1.224	48.351	17.7015	1
1517_1517	1517	1517	-49.1385	-0.501	-0.873	-0.0585	20.961	-99.672	1
1517_1220	1517	1220	-181.469	-13.206	18.225	0.693	122.085	71.844	1
1520_1241	1520	1241	-36.6705	-0.828	-0.033	-0.78	21.4485	-120.041	1
1520_1521	1520	1521	-177.839	14.115	-6.1635	-6.294	13.1925	24.9165	1
1521_1521	1521	1521	-36.3915	-0.9345	-1.233	0.774	21.2655	-116.298	1
1521_1522	1521	1522	-179.133	12.2115	-0.84	0.891	11.646	-15.7095	1
1522_1522	1522	1522	-36.363	-1.797	-1.095	-0.051	16.86	-113.063	1
1522_1523	1522	1523	-179.373	7.965	-0.18	0.5565	9.687	-102.669	1
1523_1523	1523	1523	-36.675	-2.9925	-0.3645	0.201	4.998	-93.663	1
1523_1524	1523	1524	-169.559	2.6985	-0.744	0.7965	6.015	-121.803	1
1524_1524	1524	1524	-36.597	-3.843	-0.297	0.0165	2.3325	-72.0975	1
1524_1525	1524	1525	-169.584	-0.804	-0.429	0.4515	2.778	-109.584	1
1525_1525	1525	1525	-35.7375	-5.1015	-0.1545	0.072	0.3165	-44.382	1
1525_1526	1525	1526	-159.122	-5.97	0.105	0.477	5.913	-20.517	1
1526_1526	1526	1526	-35.0175	-6.33	0.042	-0.0315	-1.7775	29.208	1
1526_1527	1526	1527	-149.697	-11.6505	4.4445	0.5745	46.9695	82.95	1
1527_1527	1527	1527	-34.878	-7.0575	0.114	0.1605	-1.3305	85.302	1
1527_1528	1527	1528	-149.414	-14.7555	4.743	-0.2445	73.4085	164.9295	1
1528_1528	1528	1528	-42.6465	0.8445	4.4805	-5.2365	-53.7975	123.885	1
1528_1529	1528	1529	-151.689	14.496	11.2455	-7.137	-60.138	104.7585	1
1529_1529	1529	1529	-42.915	-1.209	1.509	5.3085	-40.2825	119.616	1
1529_1530	1529	1530	-152.481	-16.722	6.7035	7.0845	-39.882	152.724	1
1530_1530	1530	1530	-43.92	7.7835	2.274	-0.486	-36.1155	123.501	1
1530_1531	1530	1531	-161.385	14.76	2.673	-0.9045	-25.9725	61.728	1
1531_1531	1531	1531	-44.067	6.885	2.334	0.096	-23.523	80.208	1
1531_1532	1531	1532	-161.649	11.46	2.8875	-0.294	-0.4545	-39.768	1
1532_1532	1532	1532	-47.0055	5.1705	0.2745	-0.051	-3.162	19.1955	1
1532_1533	1532	1533	-172.652	5.811	0.465	-0.4815	5.484	-120.761	1
1533_1533	1533	1533	-50.256	3.5775	0.2475	-0.0045	0.6795	-55.2735	1
1533_1534	1533	1534	-183.953	-0.3045	0.486	-0.483	8.4795	-118.4	1
1534_1534	1534	1534	-50.325	2.4075	0.2895	-0.1305	2.4825	-81.0795	1
1534_1535	1534	1535	-183.896	-4.584	0.6375	-0.7785	13.0935	-85.35	1
1535_1535	1535	1535	-52.4685	0.891	0.741	0.0105	4.5345	-98.2005	1
1535_1536	1535	1536	-193.211	-10.596	0.7695	-0.594	21.012	30.561	1
1536_1536	1536	1536	-52.473	-0.3825	0.8415	-0.504	12.675	-107.916	1
1536_1537	1536	1537	-192.894	-15.279	1.134	-1.044	24.9345	83.907	1
1537_1537	1537	1537	-52.254	-0.6345	-0.2145	0.237	15.6165	-106.422	1
1537_1255	1537	1255	-193.95	-16.5675	6.6225	5.04	51.7575	152.925	1
1540_1279	1540	1279	-39.9825	-2.175	-2.322	-1.842	4.869	-187.836	1
1540_1541	1540	1541	-165.653	11.46	-12.6585	-9.6615	-39.3705	-58.2975	1
1541_1541	1541	1541	-41.0535	-2.637	0.3465	0.4005	-4.371	-177.858	1
1541_1542	1541	1542	-171.759	8.8395	2.1255	0.153	-30.18	-79.992	1
1542_1542	1542	1542	-40.977	-3.633	0.435	0.123	-3.2535	-168.648	1
1542_1543	1542	1543	-171.918	4.668	2.484	0.717	-3.0885	-130.952	1
1543_1543	1543	1543	-38.736	-4.7025	-0.2055	0.3195	1.7445	-129.474	1
1543_1544	1543	1544	-160.521	0.777	-0.147	0.8865	-2.6145	-123.392	1
1544_1544	1544	1544	-38.616	-5.613	-0.0405	-0.078	0.1275	-95.5695	1
1544_1545	1544	1545	-160.494	-2.997	0.5145	0.4425	0.9405	-101.789	1
1545_1545	1545	1545	-36.9705	-6.8655	0.132	0.027	0.0795	-55.0215	1
1545_1546	1545	1546	-151.374	-7.815	0.9465	0.4875	16.2135	13.7235	1
1546_1546	1546	1546	-36.1335	-8.4015	2.0055	-0.021	2.3415	43.95	1
1546_1547	1546	1547	-144.974	-14.022	7.773	0.678	86.9235	138.4905	1
1547_1547	1547	1547	-35.9535	-9.1245	2.0655	-0.2475	20.178	118.335	1
1547_1548	1547	1548	-144.65	-16.9275	8.0025	-0.861	131.5365	232.6155	1
1548_1548	1548	1548	-33.096	-1.2315	-2.472	2.985	31.65	168.681	1
1548_1549	1548	1549	-160.559	16.587	11.397	-14.061	-97.695	37.455	1
1549_1549	1549	1549	-32.6535	2.3835	-0.6075	-3.4515	24.3825	174.747	1
1549_1550	1549	1550	-163.079	-21.0615	4.746	14.166	-83.97	90.8685	1
1550_1550	1550	1550	-29.178	9.255	-1.353	0.2355	22.4985	167.1915	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1550_1551	1550	1551	-170.78	14.001	5.2155	-1.542	-55.1865	-1.2315	1
1551_1551	1551	1551	-29.3865	8.58	-1.3095	0.045	14.772	114.8205	1
1551_1552	1551	1552	-171.05	10.05	5.4495	-0.27	-9.3045	-85.9215	1
1552_1552	1552	1552	-27.924	7.4625	-0.597	0.1905	3.6885	42.4245	1
1552_1553	1552	1553	-178.286	2.3805	1.2555	-0.6645	7.9695	-119.565	1
1553_1553	1553	1553	-26.5275	6.333	-0.4065	0.2325	-4.6155	-62.73	1
1553_1554	1553	1554	-186.107	-4.062	0.5235	-0.6705	11.484	-96.198	1
1554_1554	1554	1554	-26.682	5.649	-0.372	0.297	-7.4295	-107.348	1
1554_1555	1554	1555	-185.94	-8.844	0.741	-1.08	16.728	-33.852	1
1555_1555	1555	1555	-26.073	4.5675	-0.5655	0.276	-10.029	-145.644	1
1555_1556	1555	1556	-192.017	-15.9105	0.4215	-0.8985	21.2055	135.8805	1
1556_1556	1556	1556	-26.1915	3.84	-0.5025	0.27	-15.915	-194.285	1
1556_1557	1556	1557	-191.499	-21.249	0.855	-1.1715	24.018	208.6695	1
1557_1557	1557	1557	-26.619	3.708	0.465	0.4035	-18.117	-206.745	1
1557_1291	1557	1291	-193.067	-23.097	5.5875	2.8665	55.5735	339.729	1
41000_1000	41000	1000	-1.7865	-7.707	1.3725	-2.6715	0	-13.587	1
41000_1001	41000	1001	-4.797	-37.266	1.5495	-12.102	26.34	600.246	1
41001_1001	41001	1001	-1.788	-7.707	1.368	-2.9025	23.3295	117.4785	1
41001_1002	41001	1002	-4.8	-37.266	1.539	-13.281	43.047	1004.67	1
41002_1002	41002	1002	-1.8825	-7.8105	-1.8975	-2.4255	38.8035	202.5975	1
41002_1003	41002	1003	-4.8915	-39.0375	-1.6005	-11.04	23.5245	1480.529	1
41003_1003	41003	1003	-1.881	-7.8105	-1.899	-2.6685	15.663	297.8265	1
41003_1004	41003	1004	-4.89	-39.0375	-1.605	-12.2475	3.951	1956.539	1
41004_1004	41004	1004	-1.854	-7.8675	-0.9555	-2.157	-7.497	393.0255	1
41004_1005	41004	1005	-4.8645	-42.6045	-0.6945	-8.97	-4.5105	2475.963	1
41005_1005	41005	1005	-1.854	-7.8675	-0.957	-2.556	-19.1445	488.9925	1
41005_1006	41005	1006	-4.8645	-42.6045	-0.6975	-10.986	-13.0215	2995.65	1
41006_1006	41006	1006	-1.8435	-8.136	-0.513	-1.8225	-30.4485	580.77	1
41006_1007	41006	1007	-4.8525	-48.2895	-0.141	-5.214	-14.7405	3584.136	1
41007_1007	41007	1007	-1.8435	-8.136	-0.5145	-2.376	-36.6945	679.9605	1
41007_1008	41007	1008	-4.8525	-48.2895	-0.1455	-8.133	-16.506	4172.931	1
41008_1008	41008	1008	-1.842	-8.514	-0.4575	-1.4595	-42.96	779.1255	1
41008_1009	41008	1009	-4.854	-0.6075	-0.4035	-0.1245	-21.429	4180.116	1
41009_1009	41009	1009	-1.842	-8.514	-0.4575	-2.0925	-48.5295	882.888	1
41009_1010	41009	1010	-4.854	-0.6075	-0.408	-3.1185	-26.3985	4187.529	1
41010_1010	41010	1010	-1.8405	-9.024	-0.477	-0.4005	-54.1185	986.7225	1
41010_1011	41010	1011	-4.8555	21.534	-0.7665	7.0095	-35.742	3924.918	1
41011_1011	41011	1011	-1.8405	-9.024	-0.48	-2.298	-59.9295	1096.727	1
41011_1012	41011	1012	-4.854	52.3515	-0.7755	0.222	-45.1815	3287.136	1
41012_1012	41012	1012	-1.839	-9.5865	-0.4065	-1.272	-65.7765	1206.662	1
41012_1013	41012	1013	-4.854	54.8475	-0.987	6.2715	-57.2085	2618.313	1
41013_1013	41013	1013	-1.8405	-9.5865	-0.405	-0.1935	-70.731	1323.557	1
41013_1014	41013	1014	-4.8555	54.8475	-0.9825	8.403	-69.186	1949.565	1
41014_1014	41014	1014	-1.8405	-9.795	-0.1875	-0.7095	-75.6675	1440.441	1
41014_1015	41014	1015	-4.8555	51.768	0.087	8.2965	-67.731	1083.275	1
41015_1015	41015	1015	-1.7535	-9.81	-0.1845	2.214	-78.78	1603.274	1
41015_1016	41015	1016	-5.3475	58.1715	0.066	10.71	-68.907	890.6835	1
41016_1016	41016	1016	-1.5885	-10.044	0.5895	-0.456	-79.527	1674.653	1
41016_1017	41016	1017	-6.462	73.125	2.361	8.088	-39.078	908.577	1
41017_1017	41017	1017	-1.338	-10.08	0.5925	4.095	-72.441	1792.833	1
41017_1018	41017	1018	-8.5215	89.904	2.3955	9.594	0.7365	890.481	1
41018_1018	41018	1018	-1.068	-10.0215	-1.6245	1.0605	-64.8045	1926.537	1
41018_1019	41018	1019	-10.776	94.9935	-5.238	7.0695	-65.7315	308.775	1
41019_1019	41019	1019	-0.807	-10.0455	-1.6215	6.732	-84.7575	2052.128	1
41019_1020	41019	1020	-13.581	101.409	-4.47	8.571	-117.252	-350.487	1
41020_1020	41020	1020	-143.897	-6.0585	-8.5005	-5.5065	305.1225	-67.0725	1
41020_1021	41020	1021	-31.4685	1.3875	0.855	0.507	-66.627	299.7795	1
41021_1021	41021	1021	-143.907	-6.0585	-8.3325	-3.504	224.346	-44.274	1
41021_1022	41021	1022	-31.4685	1.3875	0.8925	0.6405	-59.7165	281.421	1
41022_1022	41022	1022	-143.918	-6.0585	-8.148	-3.4995	159.7665	2.6835	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41022_1023	41022	1023	-31.467	1.3875	0.9315	1.0005	-52.4925	270.6675	1
41023_1023	41023	1023	-143.939	-6.66	-2.895	-4.341	96.627	49.6305	1
41023_1024	41023	1024	-31.4655	1.3515	0.801	0.876	-46.0815	259.8555	1
41024_1024	41024	1024	-143.939	-6.66	-2.895	-4.341	73.467	102.906	1
41024_1025	41024	1025	-31.4655	1.3515	0.801	0.876	-39.6705	249.045	1
41025_1025	41025	1025	-143.942	-6.66	-2.7165	-4.146	50.307	156.186	1
41025_1026	41025	1026	-31.464	1.3515	0.84	1.1865	-32.9475	238.236	1
41026_1026	41026	1026	-143.943	-7.1895	-2.085	-3.7665	28.5795	209.4525	1
41026_1027	41026	1027	-31.464	1.377	0.7065	0.792	-28.71	229.9785	1
41027_1027	41027	1027	-143.946	-7.1895	-1.821	-3.303	16.0785	252.5685	1
41027_1028	41027	1028	-31.4625	1.377	0.765	1.215	-24.1185	221.7075	1
41028_1028	41028	1028	-143.946	-7.1895	-1.8465	-3.3555	5.148	295.74	1
41028_1029	41028	1029	-31.4625	1.377	0.759	1.1745	-19.569	213.453	1
41029_1029	41029	1029	-143.946	-7.1895	-1.821	-3.294	-5.922	338.8425	1
41029_1030	41029	1030	-31.4625	1.377	0.765	1.2135	-14.9775	205.185	1
41030_1030	41030	1030	-143.952	-7.4445	-2.5725	-3.0045	-16.8525	382.0215	1
41030_1031	41030	1031	-31.461	1.38	0.8415	1.2375	-8.2545	194.1525	1
41031_1031	41031	1031	-143.952	-7.4445	-2.553	-2.946	-37.4175	441.537	1
41031_1032	41031	1032	-31.461	1.38	0.8445	1.263	-1.4895	183.108	1
41032_1032	41032	1032	-143.952	-7.4445	-2.5725	-3.012	-57.8565	501.1275	1
41032_1033	41032	1033	-31.461	1.38	0.8415	1.239	5.2335	172.0785	1
41033_1033	41033	1033	-143.973	-7.377	-6.4035	-4.176	-78.4215	560.6565	1
41033_1034	41033	1034	-31.4595	1.5825	0.9495	0.5715	12.5925	159.813	1
41034_1034	41034	1034	-143.981	-7.377	-6.219	-3.384	-128.066	617.85	1
41034_1035	41034	1035	-31.458	1.5825	0.99	0.777	20.265	147.546	1
41035_1035	41035	1035	-144.035	-7.377	-4.839	1.887	-176.273	710.8035	1
41035_1036	41035	1036	-31.4475	1.5825	1.2915	2.511	32.535	140.3055	1
41036_1036	41036	1036	-38.664	15.231	0.966	-5.298	-77.763	2174.561	1
41036_1037	41036	1037	-62.673	-70.446	4.488	-9.2775	-57.3135	-1189.83	1
41037_1037	41037	1037	-39.051	14.2065	0.9975	-1.992	-65.8605	1983.149	1
41037_1038	41037	1038	-60.8145	-71.0655	4.4985	-8.7195	-1.2705	-340.502	1
41038_1038	41038	1038	-39.417	13.545	-0.747	-3.174	-53.2545	1805.16	1
41038_1039	41038	1039	-59.2005	-74.1525	-1.9425	-9.975	-27.1875	642.639	1
41039_1039	41039	1039	-39.7425	12.5625	-0.714	-0.18	-63.2565	1621.697	1
41039_1040	41039	1040	-57.357	-71.109	-1.824	-8.859	-50.7315	1203.306	1
41040_1040	41040	1040	-39.9285	11.8965	0.3945	-0.9135	-71.6235	1474.095	1
41040_1041	41040	1041	-56.1435	-72.861	-0.819	-8.8785	-57.9315	1708.487	1
41041_1041	41041	1041	-40.0335	11.5395	0.4035	-0.0945	-68.3775	1364.747	1
41041_1042	41041	1042	-55.4895	-61.5135	-0.8055	-7.7355	-71.148	2696.159	1
41042_1042	41042	1042	-40.0365	11.2695	0.111	0.219	-61.7985	1176.576	1
41042_1043	41042	1043	-55.4835	-9.0945	-0.132	-4.479	-72.7245	2805.162	1
41043_1043	41043	1043	-40.0365	11.2695	0.1455	1.0845	-60.459	1041.558	1
41043_1044	41043	1044	-55.4835	-9.0945	-0.0855	-2.145	-73.749	2914.124	1
41044_1044	41044	1044	-40.035	11.1285	0.252	1.047	-58.722	906.5655	1
41044_1045	41044	1045	-55.4835	13.077	0.105	0.8325	-72.4905	2757.494	1
41045_1045	41045	1045	-40.035	11.1285	0.285	1.6905	-55.7085	773.256	1
41045_1046	41045	1046	-55.482	40.9065	0.1515	3.1275	-70.68	2267.528	1
41046_1046	41046	1046	-40.035	11.055	0.2895	1.659	-52.296	639.9675	1
41046_1047	41046	1047	-55.485	36.6585	0.1005	4.959	-69.4695	1828.146	1
41047_1047	41047	1047	-40.035	11.055	0.321	2.0475	-48.822	507.4605	1
41047_1048	41047	1048	-55.4835	36.6585	0.144	6.3615	-67.7505	1389.137	1
41048_1048	41048	1048	-40.0365	11.046	0.2985	1.842	-44.985	375.078	1
41048_1049	41048	1049	-55.4835	33.8205	0.2025	6.2685	-65.316	983.823	1
41049_1049	41049	1049	-40.035	11.046	0.363	2.2305	-41.403	242.688	1
41049_1050	41049	1050	-55.4835	33.8205	0.2925	7.845	-61.8195	578.8755	1
41050_1050	41050	1050	-40.038	11.175	0.186	1.8825	-37.0575	110.4315	1
41050_1051	41050	1051	-55.482	32.382	0.423	6.7575	-54.9285	51.2835	1
41051_1051	41051	1051	-40.131	10.8315	0.2445	2.0925	-34.008	-68.109	1
41051_1052	41051	1052	-55.7565	31.905	0.5025	7.3455	-50.721	-206.762	1
41052_1052	41052	1052	-40.3095	10.476	0.5145	1.464	-31.9875	-157.38	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41052_1053	41052	1053	-56.2635	30.846	1.098	5.6835	-37.7505	-569.295	1
41053_1053	41053	1053	-40.5645	9.4395	0.564	1.965	-25.902	-267.77	1
41053_1054	41053	1054	-57.0345	29.394	1.1655	6.324	-22.14	-941.672	1
41054_1054	41054	1054	-40.782	8.3205	0.1995	1.5585	-18.435	-393.02	1
41054_1055	41054	1055	-57.7095	27.219	-1.698	5.139	-43.389	-1282.86	1
41055_1055	41055	1055	-40.9845	7.2555	0.234	1.551	-15.9285	-497.312	1
41055_1056	41055	1056	-58.4445	28.3515	-1.923	5.6175	-70.1895	-1701.75	1
41056_1056	41056	1056	-124.41	-8.2365	-7.7445	-4.437	263.1555	-185.634	1
41056_1057	41056	1057	-30.1035	1.734	0.456	0.6345	-31.2015	264.4215	1
41057_1057	41057	1057	-124.415	-8.2365	-7.656	-4.077	189.579	-114.474	1
41057_1058	41057	1058	-30.1035	1.734	0.4785	0.7965	-27.498	249.2685	1
41058_1058	41058	1058	-124.415	-8.2365	-7.656	-4.077	130.278	-50.6685	1
41058_1059	41058	1059	-30.1035	1.734	0.4785	0.7965	-23.7945	235.833	1
41059_1059	41059	1059	-124.382	-8.6355	-2.4105	-4.7475	70.9755	13.146	1
41059_1060	41059	1060	-30.1065	1.683	0.126	0.708	-22.7865	222.3585	1
41060_1060	41060	1060	-124.385	-8.6355	-2.265	-4.6515	51.6765	82.2945	1
41060_1061	41060	1061	-30.105	1.683	0.1605	0.969	-21.4995	208.8975	1
41061_1061	41061	1061	-124.386	-8.6355	-2.1	-4.4505	33.564	151.353	1
41061_1062	41061	1062	-30.105	1.683	0.201	1.245	-19.8915	195.4215	1
41062_1062	41062	1062	-124.385	-9.0045	-1.9605	-4.4025	16.7505	220.482	1
41062_1063	41062	1063	-30.1065	1.71	0.12	0.801	-19.1745	185.166	1
41063_1063	41063	1063	-124.388	-9.0045	-1.7655	-3.9735	4.9845	274.53	1
41063_1064	41063	1064	-30.1065	1.71	0.1665	1.0905	-18.177	174.9225	1
41064_1064	41064	1064	-124.388	-9.0045	-1.7535	-3.9405	-5.598	328.476	1
41064_1065	41064	1065	-30.1065	1.71	0.1695	1.1085	-17.16	164.664	1
41065_1065	41065	1065	-124.389	-9.0045	-1.5465	-3.303	-16.122	382.5165	1
41065_1066	41065	1066	-30.105	1.71	0.219	1.383	-15.8415	154.404	1
41066_1066	41066	1066	-124.4	-9.1755	-2.4165	-3.843	-25.4025	436.5495	1
41066_1067	41066	1067	-30.1065	1.6965	0.1095	1.113	-14.961	140.826	1
41067_1067	41067	1067	-124.403	-9.1755	-2.2605	-3.207	-44.7405	509.9925	1
41067_1068	41067	1068	-30.1065	1.6965	0.147	1.2885	-13.779	127.2435	1
41068_1068	41068	1068	-124.403	-9.1755	-2.2695	-3.249	-62.835	583.425	1
41068_1069	41068	1069	-30.1065	1.6965	0.1455	1.2795	-12.615	113.679	1
41069_1069	41069	1069	-124.454	-9.2655	-4.8585	-2.3925	-80.9775	656.781	1
41069_1070	41069	1070	-30.0975	1.83	0.744	1.215	-6.846	99.4935	1
41070_1070	41070	1070	-124.454	-9.2655	-4.8585	-2.3925	-118.64	728.607	1
41070_1071	41070	1071	-30.0975	1.83	0.744	1.215	-1.077	85.3065	1
41071_1071	41071	1071	-124.458	-9.2655	-4.7715	-2.157	-156.302	808.9305	1
41071_1072	41071	1072	-30.0975	1.83	0.765	1.3275	6.189	69.984	1
41072_1072	41072	1072	-22.614	-0.36	-0.288	1.8165	51.783	-595.58	1
41072_1073	41072	1073	-52.896	-69.894	4.8765	-9.6645	-58.74	-999.909	1
41073_1073	41073	1073	-22.5975	-0.9495	-0.2715	0.114	48.2265	-591.054	1
41073_1074	41073	1074	-51.0525	-71.2485	4.911	-8.8845	2.6355	-106.952	1
41074_1074	41074	1074	-22.767	11.9115	-0.642	-3.8595	-53.1735	1785.744	1
41074_1075	41074	1075	-49.4865	-74.349	-2.4225	-10.608	-29.628	879.2535	1
41075_1075	41075	1075	-23.067	11.3235	-0.6135	-0.069	-61.8315	1620.35	1
41075_1076	41075	1076	-47.6565	-70.707	-2.364	-8.3805	-59.658	1409.001	1
41076_1076	41076	1076	-23.232	10.749	0.1605	-2.0085	-69.015	1487.316	1
41076_1077	41076	1077	-46.4805	-74.01	-0.582	-9.5865	-64.5645	2019.665	1
41077_1077	41077	1077	-23.3235	10.5495	0.1905	0.423	-67.6995	1406.861	1
41077_1078	41077	1078	-45.8445	-61.374	-0.5235	-6.6405	-72.399	2945.801	1
41078_1078	41078	1078	-23.3235	10.38	0.1845	-0.264	-64.8705	1250.478	1
41078_1079	41078	1079	-45.8385	-10.062	0.18	-5.28	-70.3695	3059.034	1
41079_1079	41079	1079	-23.3235	10.38	0.2055	0.7875	-62.8005	1133.682	1
41079_1080	41079	1080	-45.8385	-10.062	0.2235	-2.4405	-67.8585	3172.344	1
41080_1080	41080	1080	-23.322	10.221	0.3015	0.6015	-60.4845	1016.81	1
41080_1081	41080	1081	-45.84	3.3585	0.066	-0.492	-67.122	3134.561	1
41081_1081	41081	1081	-23.322	10.221	0.3225	1.401	-57.093	901.716	1
41081_1082	41081	1082	-45.84	40.0575	0.1065	2.289	-65.9295	2683.5	1
41082_1082	41082	1082	-23.322	10.089	0.3075	0.978	-53.469	786.6435	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41082_1083	41082	1083	-45.8415	35.5875	0.0105	2.673	-65.796	2252.907	1
41083_1083	41083	1083	-23.322	10.089	0.3465	2.076	-49.7385	664.557	1
41083_1084	41083	1084	-45.8415	35.5875	0.087	6.3945	-64.749	1822.301	1
41084_1084	41084	1084	-23.322	10.0125	0.3165	1.479	-45.543	542.493	1
41084_1085	41084	1085	-45.843	32.3745	0.033	5.091	-64.3845	1457.838	1
41085_1085	41085	1085	-23.322	10.0125	0.3585	2.2425	-41.9745	429.7665	1
41085_1086	41085	1086	-45.843	32.3745	0.114	7.6785	-63.1035	1093.364	1
41086_1086	41086	1086	-23.322	9.9945	0.36	1.8	-37.9395	317.0565	1
41086_1087	41086	1087	-45.843	30.2505	0.126	6.234	-61.68	752.82	1
41087_1087	41087	1087	-23.3205	9.9945	0.402	2.163	-33.8865	204.5325	1
41087_1088	41087	1088	-45.843	30.2505	0.2085	7.5705	-59.3415	412.272	1
41088_1088	41088	1088	-23.3235	10.083	0.156	1.857	-29.37	92.022	1
41088_1089	41088	1089	-45.843	29.223	0.2565	6.441	-55.677	-4.389	1
41089_1089	41089	1089	-23.4105	9.879	0.15	2.0775	-27.1185	-56.406	1
41089_1090	41089	1090	-46.0995	31.323	0.2535	7.3395	-55.8135	-225.194	1
41090_1090	41090	1090	-23.577	9.723	0.6795	1.5105	-25.8615	-137.966	1
41090_1091	41090	1091	-46.608	30.453	1.3275	5.541	-40.152	-583.019	1
41091_1091	41091	1091	-23.814	9.1245	0.6915	1.938	-17.8395	-248.352	1
41091_1092	41091	1092	-47.3625	29.2665	1.353	6.456	-22.059	-963.632	1
41092_1092	41092	1092	-24.0255	8.37	0.156	1.791	-8.64	-369.369	1
41092_1093	41092	1093	-48.066	29.103	-1.8015	5.736	-44.6175	-1349.7	1
41093_1093	41093	1093	-24.2355	7.737	0.192	1.2225	-6.7155	-474.336	1
41093_1094	41093	1094	-48.8505	30.351	-1.977	5.157	-72.4755	-1784.93	1
41094_1094	41094	1094	-128.331	-7.152	-7.281	-4.6995	249.2445	-76.3965	1
41094_1095	41094	1095	-34.8315	-1.2585	-0.789	-1.1895	3.15	101.301	1
41095_1095	41095	1095	-128.333	-7.152	-7.2465	-4.3395	180.048	-14.844	1
41095_1096	41095	1096	-34.8315	-1.2585	-0.78	-1.1235	-2.895	109.323	1
41096_1096	41096	1096	-128.351	-7.152	-6.9195	-4.236	123.867	40.6125	1
41096_1097	41096	1097	-34.833	-1.2585	-0.6915	-0.8445	-8.2455	119.073	1
41097_1097	41097	1097	-128.309	-7.5705	-2.4495	-4.6035	70.2945	95.985	1
41097_1098	41097	1098	-34.8285	-1.161	-0.2205	-1.1175	-10.0155	128.3625	1
41098_1098	41098	1098	-128.312	-7.5705	-2.289	-4.4085	50.694	156.567	1
41098_1099	41098	1099	-34.8285	-1.161	-0.177	-0.957	-11.4375	137.652	1
41099_1099	41099	1099	-128.312	-7.5705	-2.289	-4.4085	32.379	217.143	1
41099_1100	41099	1100	-34.8285	-1.161	-0.177	-0.957	-12.8595	146.94	1
41100_1100	41100	1100	-128.307	-8.1105	-1.287	-1.7715	14.0625	277.704	1
41100_1101	41100	1101	-34.8285	-1.2165	-0.03	-0.057	-13.0395	154.2315	1
41101_1101	41101	1101	-128.307	-8.1105	-1.2915	-1.7835	6.342	326.3745	1
41101_1102	41101	1102	-34.8285	-1.2165	-0.0315	-0.0615	-13.227	161.5155	1
41102_1102	41102	1102	-128.285	-8.1105	-2.7825	-6.141	-1.3935	374.9175	1
41102_1103	41102	1103	-34.8255	-1.2165	-0.4365	-1.9395	-15.8445	168.8025	1
41103_1103	41103	1103	-128.289	-8.1105	-2.568	-5.436	-18.0945	423.6135	1
41103_1104	41103	1104	-34.8255	-1.2165	-0.378	-1.6575	-18.114	176.1045	1
41104_1104	41104	1104	-128.289	-8.442	-2.6715	-3.7965	-33.513	472.296	1
41104_1105	41104	1105	-34.8255	-1.248	-0.288	-1.0215	-20.415	186.0825	1
41105_1105	41105	1105	-128.294	-8.442	-2.505	-3.1005	-54.8625	539.7915	1
41105_1106	41105	1106	-34.827	-1.248	-0.243	-0.783	-22.359	196.0725	1
41106_1106	41106	1106	-128.294	-8.442	-2.505	-3.1005	-74.916	607.3635	1
41106_1107	41106	1107	-34.827	-1.248	-0.243	-0.783	-24.3045	206.0625	1
41107_1107	41107	1107	-128.306	-8.499	-4.5315	-2.4675	-94.971	674.9415	1
41107_1108	41107	1108	-34.8285	-1.2645	-0.4815	-0.7095	-28.0275	215.8515	1
41108_1108	41108	1108	-128.307	-8.499	-4.527	-2.4405	-130.058	740.754	1
41108_1109	41108	1109	-34.8285	-1.2645	-0.48	-0.702	-31.7445	225.651	1
41109_1109	41109	1109	-128.312	-8.499	-4.3965	-1.869	-165.153	813.948	1
41109_1110	41109	1110	-34.8285	-1.2645	-0.444	-0.498	-35.9655	239.643	1
41110_1110	41110	1110	-24.5715	13.956	1.653	-6.3945	-111.719	2151.614	1
41110_1111	41110	1111	-62.61	-51.588	4.389	-8.184	-84.204	-1401.29	1
41111_1111	41111	1111	-24.9255	13.3065	1.695	-0.8145	-91.3395	1976.333	1
41111_1112	41111	1112	-61.233	-50.589	4.293	-8.0595	-29.562	-797.379	1
41112_1112	41112	1112	-25.2585	12.897	-0.3915	-3.714	-69.852	1809.539	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41112_1113	41112	1113	-60.0825	-52.179	-1.4745	-9.678	-50.04	-135.989	1
41113_1113	41113	1113	-25.5765	12.2565	-0.3585	0.2865	-75.168	1634.118	1
41113_1114	41113	1114	-58.8075	-49.113	-1.284	-8.064	-66.0915	292.5585	1
41114_1114	41114	1114	-25.7685	11.8395	0.423	-2.8605	-79.329	1490.204	1
41114_1115	41114	1115	-57.987	-49.815	-0.402	-10.203	-69.1995	650.247	1
41115_1115	41115	1115	-25.869	11.613	0.4785	0.864	-75.864	1393.727	1
41115_1116	41115	1116	-57.5565	-48.3045	-0.2715	-8.1675	-72.7815	1280.475	1
41116_1116	41116	1116	-25.869	11.364	0.3855	-0.0075	-68.7885	1222.161	1
41116_1117	41116	1117	-57.5565	-51.507	0.4665	-8.631	-67.5375	1860.047	1
41117_1117	41117	1117	-25.869	11.364	0.4095	0.9645	-64.446	1094.3	1
41117_1118	41117	1118	-57.5565	-51.507	0.5175	-6.978	-61.719	2439.608	1
41118_1118	41118	1118	-25.869	11.1825	0.468	0.4305	-59.844	966.4395	1
41118_1119	41118	1119	-57.555	-56.679	0.3795	-6.9075	-57.447	3077.904	1
41119_1119	41119	1119	-25.8675	11.1825	0.513	1.9125	-54.573	840.501	1
41119_1120	41119	1120	-57.555	-1.479	0.4815	-1.4835	-52.038	3094.545	1
41120_1120	41120	1120	-25.8675	11.0685	0.4815	1.4505	-48.7935	714.6795	1
41120_1121	41120	1121	-57.555	-7.818	0.288	-0.15	-48.5445	3189.155	1
41121_1121	41121	1121	-25.8675	11.0685	0.5025	1.9245	-42.9705	580.7385	1
41121_1122	41121	1122	-57.555	17.034	0.336	2.451	-44.487	2983.197	1
41122_1122	41122	1122	-25.866	11.0205	0.4995	1.8345	-36.897	446.9085	1
41122_1123	41122	1123	-57.5535	44.6835	0.0735	5.058	-43.6635	2480.019	1
41123_1123	41123	1123	-25.866	11.0205	0.522	2.118	-31.269	322.8045	1
41123_1124	41123	1124	-57.5535	55.17	0.123	7.236	-42.2715	1859.319	1
41124_1124	41124	1124	-25.8645	11.0115	0.486	1.965	-25.392	198.8115	1
41124_1125	41124	1125	-57.5535	50.658	0.0615	7.404	-41.5785	1288.878	1
41125_1125	41125	1125	-25.8645	11.0115	0.5325	2.0985	-19.911	74.817	1
41125_1126	41125	1126	-57.5535	50.658	0.1635	9.684	-39.7395	718.944	1
41126_1126	41126	1126	-25.8645	11.094	0.39	1.989	-13.9215	-49.0635	1
41126_1127	41126	1127	-57.5535	48.0225	0.828	8.757	-28.182	49.011	1
41127_1127	41127	1127	-25.9575	10.872	0.42	1.725	-8.457	-210.623	1
41127_1128	41127	1128	-57.9615	47.5275	0.8925	8.8185	-20.7465	-358.247	1
41128_1128	41128	1128	-26.136	10.6185	0.789	1.878	-4.968	-300.321	1
41128_1129	41128	1129	-58.7235	48.2835	1.917	8.3415	1.6995	-855.363	1
41129_1129	41129	1129	-26.3985	9.945	0.843	1.1475	4.3185	-416.933	1
41129_1130	41129	1130	-59.9715	49.6605	2.1135	7.5135	30.6795	-1438.66	1
41130_1130	41130	1130	-26.6235	9.0675	0.405	1.629	15.5895	-548.882	1
41130_1131	41130	1131	-61.122	50.43	-3.3195	7.509	-8.2425	-2028.25	1
41131_1131	41131	1131	-26.8515	8.367	0.426	0.5595	20.6415	-662.547	1
41131_1132	41131	1132	-62.4735	52.1445	-3.573	6.4245	-54.6795	-2671.23	1
41132_1132	41132	1132	-138.359	-1.0455	-5.346	-2.751	178.0455	319.425	1
41132_1133	41132	1133	-35.0865	0.1575	-0.327	0.0195	-9.8835	171.558	1
41133_1133	41133	1133	-138.353	-1.0455	-5.5245	-1.9995	127.254	299.898	1
41133_1134	41133	1134	-35.0865	0.1575	-0.372	-0.123	-12.765	162.87	1
41134_1134	41134	1134	-138.251	-1.0455	-7.6665	-6.768	84.435	307.938	1
41134_1135	41134	1135	-35.076	0.1575	-0.915	-2.6445	-19.857	161.6295	1
41135_1135	41135	1135	-138.363	-2.058	-1.1685	-3.3975	25.0125	316.11	1
41135_1136	41135	1136	-35.094	0.0255	0.0555	-0.822	-19.4115	161.469	1
41136_1136	41136	1136	-138.362	-2.058	-1.341	-3.813	15.663	332.5665	1
41136_1137	41136	1137	-35.094	0.0255	0.012	-1.0245	-19.317	161.2695	1
41137_1137	41137	1137	-138.363	-2.058	-1.1685	-3.3765	4.9305	349.0335	1
41137_1138	41137	1138	-35.094	0.0255	0.0555	-0.822	-18.8715	161.0715	1
41138_1138	41138	1138	-138.368	-2.5455	-1.107	-2.7885	-4.4205	365.5155	1
41138_1139	41138	1139	-35.0925	0.0165	-0.075	-0.8205	-19.323	160.98	1
41139_1139	41139	1139	-138.369	-2.5455	-0.8715	-2.1405	-11.055	380.7735	1
41139_1140	41139	1140	-35.0925	0.0165	-0.015	-0.5475	-19.4175	160.887	1
41140_1140	41140	1140	-138.369	-2.5455	-0.8715	-2.1405	-16.287	396.0525	1
41140_1141	41140	1141	-35.0925	0.0165	-0.015	-0.5475	-19.5105	160.791	1
41141_1141	41141	1141	-138.368	-2.5455	-1.1025	-2.826	-21.5175	411.3285	1
41141_1142	41141	1142	-35.0925	0.0165	-0.0735	-0.8145	-19.956	160.695	1
41142_1142	41142	1142	-138.36	-2.796	-1.4025	-1.7145	-28.134	426.6195	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41142_1143	41142	1143	-35.0925	0.021	-0.021	-0.492	-20.13	160.5315	1
41143_1143	41143	1143	-138.36	-2.796	-1.4025	-1.7145	-39.36	448.9935	1
41143_1144	41143	1144	-35.0925	0.021	-0.021	-0.492	-20.304	160.3665	1
41144_1144	41144	1144	-138.357	-2.796	-1.5765	-2.3025	-50.586	471.3645	1
41144_1145	41144	1145	-35.0925	0.021	-0.066	-0.693	-20.8275	160.2015	1
41145_1145	41145	1145	-138.326	-2.88	-3.0615	-1.2105	-63.195	493.7565	1
41145_1146	41145	1146	-35.091	-0.015	-0.174	-0.456	-22.173	160.3215	1
41146_1146	41146	1146	-138.326	-2.88	-3.057	-1.1955	-86.8935	516.0555	1
41146_1147	41146	1147	-35.091	-0.015	-0.1725	-0.4515	-23.5125	160.4385	1
41147_1147	41147	1147	-138.329	-2.88	-2.9685	-1.44	-110.592	565.9095	1
41147_1148	41147	1148	-35.091	-0.015	-0.15	-0.378	-24.939	167.565	1
41148_1148	41148	1148	-47.004	16.8975	0.9945	-3.7035	-70.476	1933.163	1
41148_1149	41148	1149	-94.9875	-45.9855	3.6675	-6.2715	-31.926	-1571.13	1
41149_1149	41149	1149	-47.4285	15.6615	1.032	-0.8415	-58.1625	1720.805	1
41149_1150	41149	1150	-93.7485	-48.4545	3.7365	-6.663	14.8335	-964.088	1
41150_1150	41150	1150	-47.7915	14.355	-0.2145	-2.1225	-45.1185	1524.576	1
41150_1151	41150	1151	-92.496	-49.4205	-1.4685	-7.4205	-6.489	-356.961	1
41151_1151	41151	1151	-48.1425	13.128	-0.18	0.105	-48.0285	1318.641	1
41151_1152	41151	1152	-91.2015	-51.738	-1.404	-7.0545	-23.205	221.6685	1
41152_1152	41152	1152	-48.3585	12.108	0.1905	-0.3045	-50.127	1164.296	1
41152_1153	41152	1153	-90.3735	-54.8445	-0.954	-7.851	-31.185	674.229	1
41153_1153	41153	1153	-48.4605	11.6955	0.2025	0.3315	-48.5535	1059.495	1
41153_1154	41153	1154	-89.9025	-55.614	-0.9345	-7.3365	-44.0895	1429.458	1
41154_1154	41154	1154	-48.462	11.3625	0.2775	0.42	-45.777	898.779	1
41154_1155	41154	1155	-89.922	-55.803	0.0225	-6.3045	-43.836	2043.449	1
41155_1155	41155	1155	-48.462	11.3625	0.321	1.1235	-42.723	773.76	1
41155_1156	41155	1156	-89.922	-45.6915	0.105	-4.449	-42.684	2546.163	1
41156_1156	41156	1156	-48.4635	11.181	0.315	0.948	-39.186	648.753	1
41156_1157	41156	1157	-89.922	3.6195	-0.015	-2.2575	-42.828	2509.97	1
41157_1157	41157	1157	-48.462	11.181	0.3615	1.473	-36.0345	536.688	1
41157_1158	41157	1158	-89.922	3.93	0.0735	0.1965	-42.09	2470.617	1
41158_1158	41158	1158	-48.462	11.0985	0.2355	1.302	-32.4135	424.7445	1
41158_1159	41158	1159	-89.9205	-1.6005	-0.0435	2.0475	-42.519	2486.744	1
41159_1159	41159	1159	-48.4605	11.0985	0.2835	1.608	-30.048	313.509	1
41159_1160	41159	1160	-89.9205	53.5995	0.045	4.4775	-42.0675	1950.104	1
41160_1160	41160	1160	-48.462	11.0715	0.282	1.518	-27.2115	202.3905	1
41160_1161	41160	1161	-89.922	48.933	-0.0255	6.3885	-42.3405	1411.811	1
41161_1161	41161	1161	-48.462	11.0715	0.282	1.518	-24.102	80.5695	1
41161_1162	41161	1162	-89.922	48.933	-0.0255	6.3885	-42.612	873.435	1
41162_1162	41162	1162	-48.465	11.1585	0.447	1.308	-20.9925	-41.256	1
41162_1163	41162	1163	-89.943	46.2465	1.0695	7.212	-27.924	237.891	1
41163_1163	41163	1163	-48.558	10.749	0.435	1.509	-14.844	-191.174	1
41163_1164	41163	1164	-90.3495	49.23	1.098	7.6485	-19.425	-22.344	1
41164_1164	41164	1164	-48.729	10.191	0.4005	0.951	-11.244	-279.884	1
41164_1165	41164	1165	-91.1055	46.5855	1.2705	6.651	-4.3905	-570.033	1
41165_1165	41165	1165	-48.972	8.949	0.4035	1.2015	-6.4965	-387.099	1
41165_1166	41165	1166	-92.259	44.2875	1.2765	7.068	12.738	-1133.7	1
41166_1166	41166	1166	-49.1745	7.668	0.189	1.083	-1.122	-505.853	1
41166_1167	41166	1167	-93.1995	42.897	-3.165	6.1905	-25.4835	-1653.21	1
41167_1167	41167	1167	-49.359	6.378	0.2295	0.561	1.2285	-601.914	1
41167_1168	41167	1168	-94.293	40.4685	-3.0945	5.5155	-64.344	-2161.83	1
41168_1168	41168	1168	-121.167	5.133	2.757	1.464	-121.188	586.398	1
41168_1169	41168	1169	-31.6545	0.1425	0.234	0.3645	-23.4765	148.845	1
41169_1169	41169	1169	-121.166	5.133	2.8065	1.0995	-94.992	512.385	1
41169_1170	41169	1170	-31.6545	0.1425	0.2475	0.3735	-21.5565	141.147	1
41170_1170	41170	1170	-121.166	5.133	2.8065	1.0995	-73.2405	472.5915	1
41170_1171	41170	1171	-31.6545	0.1425	0.2475	0.3735	-19.638	140.0415	1
41171_1171	41171	1171	-121.137	5.106	1.5345	2.073	-51.489	432.81	1
41171_1172	41171	1172	-31.653	0.1185	0.2085	0.5655	-17.967	139.092	1
41172_1172	41172	1172	-121.139	5.106	1.38	1.572	-39.2115	391.956	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41172_1173	41172	1173	-31.6545	0.1185	0.168	0.3885	-16.6215	138.141	1
41173_1173	41173	1173	-121.137	5.106	1.5345	2.0205	-28.1865	351.1485	1
41173_1174	41173	1174	-31.653	0.1185	0.2085	0.564	-14.9505	137.19	1
41174_1174	41174	1174	-121.125	4.9335	0.8595	2.4525	-15.9105	310.3005	1
41174_1175	41174	1175	-31.65	0.1185	0.036	0.6555	-14.7345	136.482	1
41175_1175	41175	1175	-121.127	4.9335	0.657	1.986	-10.7565	280.6965	1
41175_1176	41175	1176	-31.65	0.1185	-0.0165	0.429	-14.835	135.774	1
41176_1176	41176	1176	-121.125	4.9335	0.8595	2.403	-6.813	251.0835	1
41176_1177	41176	1177	-31.65	0.1185	0.036	0.6555	-14.6175	135.063	1
41177_1177	41177	1177	-121.125	4.9335	0.8595	2.403	-1.659	221.4765	1
41177_1178	41177	1178	-31.65	0.1185	0.036	0.6555	-14.4015	134.3535	1
41178_1178	41178	1178	-121.14	4.6365	1.359	2.8095	3.495	191.886	1
41178_1179	41178	1179	-31.653	0.1065	0.117	0.5925	-13.464	133.5075	1
41179_1179	41179	1179	-121.137	4.6365	1.5135	3.0075	14.3595	154.824	1
41179_1180	41179	1180	-31.653	0.1065	0.1575	0.762	-12.201	132.654	1
41180_1180	41180	1180	-121.137	4.6365	1.5135	3.0075	26.475	117.72	1
41180_1181	41180	1181	-31.653	0.1065	0.1575	0.762	-10.938	131.8035	1
41181_1181	41181	1181	-121.223	4.053	5.6805	2.355	38.589	80.607	1
41181_1182	41181	1182	-31.662	0.1155	0.573	0.7545	-6.495	130.9095	1
41182_1182	41182	1182	-121.223	4.053	5.6805	2.355	82.626	49.1955	1
41182_1183	41182	1183	-31.662	0.1155	0.573	0.7545	-2.052	130.0155	1
41183_1183	41183	1183	-121.224	4.053	5.631	3.3915	126.663	40.2375	1
41183_1184	41183	1184	-31.662	0.1155	0.5595	0.804	3.27	134.7825	1
41184_1184	41184	1184	-25.4235	-8.8725	-0.2835	-1.1565	8.91	-653.868	1
41184_1185	41184	1185	-70.839	-51.4095	3.537	-7.446	-19.8195	-1645.45	1
41185_1185	41185	1185	-25.1805	-9.5385	-0.303	-0.873	5.286	-542.454	1
41185_1186	41185	1186	-69.4665	-53.253	3.486	-5.6355	23.5965	-977.787	1
41186_1186	41186	1186	-24.9315	-10.236	-0.624	-1.4445	1.4955	-422.876	1
41186_1187	41186	1187	-68.1285	-53.223	-1.659	-7.596	-0.165	-320.348	1
41187_1187	41187	1187	-24.6645	-10.8645	-0.6255	-1.095	-6.831	-293.426	1
41187_1188	41187	1188	-66.759	-54.933	-1.662	-7.14	-19.9035	308.352	1
41188_1188	41188	1188	-24.519	9.111	0.045	-0.1335	-43.4235	990.324	1
41188_1189	41188	1189	-65.9265	-53.526	-1.323	-9.1635	-30.852	615.7845	1
41189_1189	41189	1189	-24.5955	8.904	0.033	-0.1965	-43.053	911.166	1
41189_1190	41189	1190	-65.4735	-54.081	-1.353	-8.9625	-49.5285	1348.736	1
41190_1190	41190	1190	-24.597	8.6595	0.1935	0.9435	-42.591	788.7075	1
41190_1191	41190	1191	-65.493	-57.0945	-0.3375	-7.0665	-53.241	1976.924	1
41191_1191	41191	1191	-24.5985	8.6595	0.171	0.3135	-40.4595	693.4305	1
41191_1192	41191	1192	-65.4915	-57.0945	-0.3975	-8.8635	-57.6075	2605.1	1
41192_1192	41192	1192	-24.5985	8.4795	0.201	0.8895	-38.5755	598.1595	1
41192_1193	41192	1193	-65.4975	-6.6675	-0.132	-3.927	-58.941	2672.622	1
41193_1193	41193	1193	-24.5985	8.4795	0.225	1.3965	-36.54	512.409	1
41193_1194	41193	1194	-65.4975	-6.6675	-0.0675	-1.284	-59.6205	2740.053	1
41194_1194	41194	1194	-24.597	8.373	0.153	1.4355	-34.2585	426.672	1
41194_1195	41194	1195	-65.493	-10.083	-0.2925	2.9685	-62.5785	2842.181	1
41195_1195	41195	1195	-24.597	8.373	0.153	1.4355	-32.718	341.997	1
41195_1196	41195	1196	-65.493	43.281	-0.2925	2.9685	-65.5365	2404.52	1
41196_1196	41196	1196	-24.5985	8.364	0.1995	1.6635	-31.1775	257.322	1
41196_1197	41196	1197	-65.5005	48.186	0.0315	8.9115	-65.187	1874.478	1
41197_1197	41197	1197	-24.5985	8.364	0.1755	1.5105	-28.9905	165.294	1
41197_1198	41197	1198	-65.5005	52.6395	-0.0285	7.1715	-65.5065	1295.846	1
41198_1198	41198	1198	-24.6	8.436	0.2895	1.392	-27.054	73.3425	1
41198_1199	41198	1199	-65.532	49.8735	1.1775	9.6315	-49.305	609.987	1
41199_1199	41199	1199	-24.6705	8.229	0.2835	1.6635	-23.067	-36.816	1
41199_1200	41199	1200	-65.9475	49.323	1.1625	10.173	-39.6315	218.5725	1
41200_1200	41200	1200	-24.804	8.0235	0.306	1.023	-20.7255	-104.75	1
41200_1201	41200	1201	-66.7155	49.446	1.179	9.117	-25.8315	-288.479	1
41201_1201	41201	1201	-24.9975	7.395	0.3075	1.545	-17.085	-191.394	1
41201_1202	41201	1202	-67.947	47.9415	1.1865	10.1475	-9.8085	-898.955	1
41202_1202	41202	1202	-25.1685	6.7935	0.099	1.0485	-13.0275	-289.461	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41202_1203	41202	1203	-68.9325	48.9255	-4.044	8.4825	-58.4385	-1460.82	1
41203_1203	41203	1203	-25.3365	6.141	0.099	1.353	-11.748	-374.637	1
41203_1204	41203	1204	-70.173	47.328	-4.059	10.014	-109.28	-2054.72	1
41204_1204	41204	1204	-125.84	8.274	4.5045	2.8845	-190.397	806.217	1
41204_1205	41204	1205	-32.661	1.0995	0.6735	0.7815	-35.766	208.569	1
41205_1205	41205	1205	-125.843	8.274	4.4205	1.2	-147.597	693.5265	1
41205_1206	41205	1206	-32.6625	1.0995	0.651	0.465	-30.726	191.2125	1
41206_1206	41206	1206	-125.843	8.274	4.4235	1.2165	-113.381	629.4675	1
41206_1207	41206	1207	-32.6625	1.0995	0.6525	0.4695	-25.674	182.688	1
41207_1207	41207	1207	-125.787	8.262	2.2335	2.8545	-79.0935	565.3815	1
41207_1208	41207	1208	-32.6565	1.0515	0.4095	0.699	-22.3965	174.282	1
41208_1208	41208	1208	-125.784	8.262	2.391	3.4785	-61.221	499.266	1
41208_1209	41208	1209	-32.655	1.0515	0.45	0.9165	-18.792	165.864	1
41209_1209	41209	1209	-125.784	8.262	2.391	3.4785	-42.09	433.1565	1
41209_1210	41209	1210	-32.655	1.0515	0.45	0.9165	-15.1875	157.4475	1
41210_1210	41210	1210	-125.766	8.094	1.392	3.603	-22.959	367.0725	1
41210_1211	41210	1211	-32.655	1.029	0.3255	0.8355	-13.236	151.275	1
41211_1211	41211	1211	-125.765	8.094	1.602	4.134	-14.6025	318.4875	1
41211_1212	41211	1212	-32.6535	1.029	0.3795	1.0875	-10.956	145.0935	1
41212_1212	41212	1212	-125.765	8.094	1.5975	4.125	-4.9875	269.9115	1
41212_1213	41212	1213	-32.6535	1.029	0.378	1.0815	-8.688	138.924	1
41213_1213	41213	1213	-125.766	8.094	1.392	3.7635	4.5855	221.424	1
41213_1214	41213	1214	-32.655	1.029	0.3255	0.855	-6.7365	132.7455	1
41214_1214	41214	1214	-125.79	7.7895	2.655	4.686	12.942	172.8555	1
41214_1215	41214	1215	-32.655	1.014	0.447	1.17	-3.159	124.6395	1
41215_1215	41215	1215	-125.793	7.7895	2.4975	4.548	34.1865	110.5365	1
41215_1216	41215	1216	-32.6565	1.014	0.4065	1.014	0.0915	116.5335	1
41216_1216	41216	1216	-125.79	7.7895	2.655	4.6095	54.174	48.204	1
41216_1217	41216	1217	-32.655	1.014	0.447	1.1595	3.669	108.4245	1
41217_1217	41217	1217	-125.91	7.182	7.008	3.0765	75.4185	-14.1585	1
41217_1218	41217	1218	-32.6655	1.044	0.759	1.0515	9.5565	100.326	1
41218_1218	41218	1218	-125.91	7.182	7.005	3.0795	129.744	-69.8295	1
41218_1219	41218	1219	-32.6655	1.044	0.759	1.0485	15.429	92.2395	1
41219_1219	41219	1219	-125.906	7.182	7.089	4.707	183.975	-95.0085	1
41219_1220	41219	1220	-32.664	1.044	0.78	1.299	22.8465	90.207	1
41220_1220	41220	1220	-30.906	-9.75	-0.24	-0.6885	-15.948	-671.379	1
41220_1221	41220	1221	-62.838	-44.754	3.297	-5.487	-55.2735	-1541.95	1
41221_1221	41221	1221	-30.645	-10.542	-0.0975	-2.8275	-18.786	-548.876	1
41221_1222	41221	1222	-61.704	-42.7785	3.243	-10.8915	-12.6345	-986.174	1
41222_1222	41222	1222	-30.3795	-11.4915	-0.4575	-2.205	-20.0775	-416.694	1
41222_1223	41222	1223	-60.6105	-45.537	-1.302	-9.6735	-30.219	-381.953	1
41223_1223	41223	1223	-30.0825	-12.252	-0.342	-2.457	-26.169	-273.596	1
41223_1224	41223	1224	-59.4885	-43.8285	-0.9915	-9.639	-43.0965	63.369	1
41224_1224	41224	1224	-29.8845	-12.5775	-0.348	-2.994	-30.222	-129.59	1
41224_1225	41224	1225	-58.794	-45.396	-1.0305	-11.8125	-51.7155	437.8995	1
41225_1225	41225	1225	-29.7795	-12.825	-0.2385	-2.814	-33.111	-25.7505	1
41225_1226	41225	1226	-58.4175	-45.882	-0.8175	-9.789	-65.2185	1190.997	1
41226_1226	41226	1226	-29.7765	-12.738	-0.2865	-3.9045	-37.032	184.689	1
41226_1227	41226	1227	-58.431	-47.697	-0.093	-13.419	-66.3585	1779.459	1
41227_1227	41227	1227	-29.778	-12.738	-0.1425	-2.2395	-40.572	341.892	1
41227_1228	41227	1228	-58.4295	-47.697	0.192	-4.7535	-63.987	2367.641	1
41228_1228	41228	1228	-29.7675	-12.861	-0.39	-3.8175	-42.3225	498.8595	1
41228_1229	41228	1229	-58.41	-43.077	-0.2295	-8.805	-66.8235	2898.884	1
41229_1229	41229	1229	-29.7675	-12.861	-0.294	-1.6785	-47.1375	657.5865	1
41229_1230	41229	1230	-58.41	-13.1985	-0.039	0.627	-67.3125	3061.656	1
41230_1230	41230	1230	-29.784	-13.0095	0.1815	-3.4875	-50.754	815.9295	1
41230_1231	41230	1231	-58.4265	14.5575	0.624	-1.0755	-59.6175	2881.35	1
41231_1231	41231	1231	-29.7825	-13.0095	0.279	-0.3015	-48.5175	976.389	1
41231_1232	41231	1232	-58.4235	14.5575	0.8145	8.3235	-49.5795	2701.929	1
41232_1232	41232	1232	-29.7855	-13.2645	0.462	-3.84	-45.0855	1136.429	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41232_1233	41232	1233	-58.4415	66.6495	1.4925	4.662	-34.833	2042.663	1
41233_1233	41233	1233	-29.784	-13.2645	0.5565	0.1965	-40.518	1267.539	1
41233_1234	41233	1234	-58.437	66.6495	1.6785	11.166	-15.576	1277.816	1
41234_1234	41234	1234	-29.7285	-13.383	0.6915	6.7545	-34.0995	1420.407	1
41234_1235	41234	1235	-58.6935	66.417	1.9425	17.037	-9.408	1070.379	1
41235_1235	41235	1235	-29.4105	-13.926	-1.0785	-1.2855	-31.9875	1462.047	1
41235_1236	41235	1236	-59.637	67.4295	-1.8165	9.657	-20.3505	781.2765	1
41236_1236	41236	1236	-29.4405	-13.8675	-1.017	1.8495	-39.627	1561.563	1
41236_1237	41236	1237	-59.5065	67.548	-1.6965	11.226	-36.831	124.7985	1
41237_1237	41237	1237	-29.1285	-14.517	-0.9345	7.2375	-49.2795	1708.257	1
41237_1238	41237	1238	-60.9945	66.2115	-1.536	11.766	-43.926	-168.195	1
41238_1238	41238	1238	-29.1585	-16.8645	4.404	0.4425	-54.057	1776.864	1
41238_1239	41238	1239	-61.986	60.141	4.932	11.6175	8.7405	-770.567	1
41239_1239	41239	1239	-28.788	-17.4675	4.491	6.2265	-6.3315	1957.914	1
41239_1240	41239	1240	-63.231	60.486	5.253	9.3405	67.3005	-1374.31	1
41240_1240	41240	1240	-26.7015	-23.61	-8.5005	21.09	43.4265	2124.618	1
41240_1241	41240	1241	-62.5575	51.0765	-9.6555	28.641	-45.2625	-1979.66	1
41241_1241	41241	1241	-139.905	14.8395	-3.558	-13.521	-109.622	1110.449	1
41241_1242	41241	1242	-32.157	-2.265	0.5475	1.4205	10.8405	97.08	1
41242_1242	41242	1242	-139.91	14.8395	-3.4035	-12.2625	-143.435	961.83	1
41242_1243	41242	1243	-32.1555	-2.265	0.5835	1.4955	12.6855	102.495	1
41243_1243	41243	1243	-140.522	12.8175	4.971	2.391	-154.205	915.8655	1
41243_1244	41243	1244	-32.0235	-2.0025	-1.1355	-1.53	2.229	120.705	1
41244_1244	41244	1244	-140.504	12.8175	5.43	4.995	-108.402	797.751	1
41244_1245	41244	1245	-32.0265	-2.0025	-1.0305	-1.1355	-8.493	141.5475	1
41245_1245	41245	1245	-140.211	12.4485	1.7565	4.4775	-51.8925	664.1625	1
41245_1246	41245	1246	-32.061	-1.8765	-0.468	-1.587	-13.0485	159.786	1
41246_1246	41246	1246	-140.205	12.4485	2.2095	6.231	-34.7655	542.787	1
41246_1247	41246	1247	-32.0625	-1.8765	-0.363	-1.071	-16.641	178.3335	1
41247_1247	41247	1247	-140.085	12.204	0.8655	5.739	-12.93	419.637	1
41247_1248	41247	1248	-32.07	-1.7955	-0.1545	-1.404	-18.0405	194.5845	1
41248_1248	41248	1248	-140.084	12.204	1.1415	6.3465	-5.0715	308.7915	1
41248_1249	41248	1249	-32.07	-1.7955	-0.0915	-1.0215	-18.999	213.5055	1
41249_1249	41249	1249	-140.132	12.123	2.5755	6.465	6.9495	180.156	1
41249_1250	41249	1250	-32.0595	-1.722	-0.162	-1.443	-20.676	231.2505	1
41250_1250	41250	1250	-140.121	12.123	3.138	6.6855	33.5685	54.804	1
41250_1251	41250	1251	-32.061	-1.722	-0.033	-0.5145	-20.9865	247.2495	1
41251_1251	41251	1251	-140.229	12.537	5.9205	6.243	62.7105	-57.822	1
41251_1252	41251	1252	-32.034	-1.5675	-0.516	-1.368	-26.217	263.0595	1
41252_1252	41252	1252	-140.21	12.537	6.3465	5.682	122.7015	-184.868	1
41252_1253	41252	1253	-32.0355	-1.5675	-0.4185	-0.5685	-30.9135	280.626	1
41253_1253	41253	1253	-140.214	12.537	6.2475	6.0255	193.842	-322.872	1
41253_1254	41253	1254	-32.0355	-1.5675	-0.4425	-0.7755	-32.31	286.152	1
41254_1254	41254	1254	-139.664	16.9365	-5.7885	-36.27	213.5865	-364.19	1
41254_1255	41254	1255	-32.0415	-1.5135	-0.1695	-0.3975	-33.3855	295.6995	1
41255_1255	41255	1255	-42.429	-9.435	0.5175	-2.5545	-14.8965	-742.565	1
41255_1256	41255	1256	-63.261	-34.0545	6.861	-14.9295	-24.5205	-1687.02	1
41256_1256	41256	1256	-42.2775	-10.0935	0.6	-3.7065	-10.623	-666.09	1
41256_1257	41256	1257	-62.709	-35.0355	6.9795	-17.886	26.193	-1432.72	1
41257_1257	41257	1257	-42.063	-10.806	-0.2025	-1.248	-6.495	-592.692	1
41257_1258	41257	1258	-62.1015	-39.6255	0.5865	-5.403	31.056	-1021.16	1
41258_1258	41258	1258	-41.8215	-11.7075	-0.081	-2.4705	-8.5515	-480.63	1
41258_1259	41258	1259	-61.2585	-38.151	0.6765	-8.601	35.406	-538.224	1
41259_1259	41259	1259	-41.4435	-12.6945	-1.134	-2.592	-9.63	-349.361	1
41259_1260	41259	1260	-59.9655	-40.215	-4.3065	-9.207	-10.2345	-137.877	1
41260_1260	41260	1260	-41.2395	-13.3485	-1.0425	-2.73	-21.624	-215.456	1
41260_1261	41260	1261	-59.343	-39.309	-3.9735	-9.0345	-49.2705	199.653	1
41261_1261	41261	1261	-41.1195	-13.713	-1.0215	-2.5965	-31.4985	-85.212	1
41261_1262	41261	1262	-58.995	-39.8325	-3.9435	-8.889	-61.839	331.6605	1
41262_1262	41262	1262	-41.136	-13.41	-0.1905	-3.4875	-34.7355	-41.781	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41262_1263	41262	1263	-59.0805	-39.981	-0.06	-11.3235	-62.514	776.0085	1
41263_1263	41263	1263	-41.1375	-13.41	-0.0465	-3.1125	-36.855	107.28	1
41263_1264	41263	1264	-59.0805	-39.981	0.1455	-8.6055	-60.768	1253.192	1
41264_1264	41264	1264	-41.133	-13.356	-0.174	-4.065	-37.413	267.303	1
41264_1265	41264	1265	-59.0775	-41.433	0.1305	-11.2815	-59.2515	1732.784	1
41265_1265	41265	1265	-41.1345	-13.356	-0.027	-2.547	-39.435	421.9275	1
41265_1266	41265	1266	-59.076	-41.433	0.3435	-5.0505	-55.308	2208.5	1
41266_1266	41266	1266	-41.133	-13.3935	0.066	-3.8445	-39.7425	575.2485	1
41266_1267	41266	1267	-59.0745	-43.6155	0.6	-7.458	-48.2955	2717.795	1
41267_1267	41267	1267	-41.133	-13.3935	0.168	-2.04	-38.9625	731.667	1
41267_1268	41267	1268	-59.073	-31.074	0.7455	-0.756	-39.8145	3071.081	1
41268_1268	41268	1268	-41.1315	-13.395	0.246	-3.7125	-37.0515	883.956	1
41268_1269	41268	1269	-59.0685	7.539	1.1055	-1.9635	-25.38	2972.717	1
41269_1269	41269	1269	-41.1315	-13.395	0.3795	-0.2595	-33.8505	1058.771	1
41269_1270	41269	1270	-59.064	23.049	1.299	7.7295	-10.5075	2708.766	1
41270_1270	41270	1270	-41.133	-13.209	-1.9605	-3.186	-29.505	1212.168	1
41270_1271	41270	1271	-59.0685	21.591	-5.1435	3.96	-57.6465	2510.844	1
41271_1271	41271	1271	-41.1375	-13.209	-1.8555	0.2235	-47.478	1333.239	1
41271_1272	41271	1272	-59.082	76.791	-4.992	10.38	-113.346	1653.98	1
41272_1272	41272	1272	-41.076	-13.413	-1.752	4.2435	-68.1645	1482.249	1
41272_1273	41272	1273	-59.4735	76.497	-4.842	14.9415	-133.476	1337.141	1
41273_1273	41273	1273	-40.893	-15.9885	-0.189	-2.1945	-75.5325	1538.325	1
41273_1274	41273	1274	-60.0255	68.997	2.7555	7.713	-111.254	905.7765	1
41274_1274	41274	1274	-40.68	-16.524	-0.129	1.2435	-76.9935	1665.485	1
41274_1275	41274	1275	-60.9225	68.2035	2.8425	10.4925	-88.722	368.595	1
41275_1275	41275	1275	-40.479	-17.0115	0.0225	8.8215	-77.7255	1804.559	1
41275_1276	41275	1276	-61.728	67.4655	3.06	13.5855	-75.7185	99.396	1
41276_1276	41276	1276	-39.978	-20.46	11.82	0.2385	-78.0255	1875.752	1
41276_1277	41276	1277	-62.286	60.807	12.8895	12.669	75.927	-588.189	1
41277_1277	41277	1277	-39.4395	-21.39	11.979	6.972	61.6065	2116.331	1
41277_1278	41277	1278	-63.6765	60.8805	13.29	8.7255	247.965	-1288.31	1
41278_1278	41278	1278	-38.187	-29.8965	-22.6125	34.1235	218.154	2389.805	1
41278_1279	41278	1279	-64.233	52.8195	-23.547	40.047	29.301	-1731.31	1
41279_1279	41279	1279	-167.345	15.003	-10.806	-15.006	-19.2945	1083.632	1
41279_1280	41279	1280	-27.312	-2.745	2.532	3.378	16.536	151.1355	1
41280_1280	41280	1280	-167.351	15.003	-10.713	-13.473	-121.983	925.302	1
41280_1281	41280	1281	-27.3105	-2.745	2.547	3.222	30.345	163.4385	1
41281_1281	41281	1281	-167.348	14.2695	7.074	0.846	-180.053	897.918	1
41281_1282	41281	1282	-27.3105	-2.181	-1.7265	-1.044	9.0135	199.182	1
41282_1282	41282	1282	-167.327	14.2695	7.5735	3.0045	-92.6265	721.557	1
41282_1283	41282	1283	-27.3165	-2.181	-1.644	-0.4485	-10.9515	225.66	1
41283_1283	41283	1283	-167.316	12.2475	-0.609	3.0135	-0.66	548.2845	1
41283_1284	41283	1284	-27.318	-1.893	0.003	-1.2	-10.9155	249.153	1
41284_1284	41284	1284	-167.318	12.2475	-0.066	4.3005	-8.208	396.336	1
41284_1285	41284	1285	-27.318	-1.893	0.0915	-0.3915	-9.93	269.523	1
41285_1285	41285	1285	-167.376	11.7135	3.1065	3.6945	-8.91	264.5445	1
41285_1286	41285	1286	-27.2925	-1.626	-1.0005	-1.101	-21.1245	287.682	1
41286_1286	41286	1286	-167.366	11.7135	3.6075	4.095	25.8495	133.461	1
41286_1287	41286	1287	-27.294	-1.626	-0.918	-0.24	-30.6825	304.599	1
41287_1287	41287	1287	-167.354	12.1875	3.6555	4.1385	63.381	11.5935	1
41287_1288	41287	1288	-27.291	-1.374	0.231	-1.1535	-27.666	322.6095	1
41288_1288	41288	1288	-167.34	12.1875	4.2315	3.6285	111.2625	-148.035	1
41288_1289	41288	1289	-27.291	-1.374	0.324	-0.042	-24.027	338.034	1
41289_1289	41289	1289	-167.393	12.774	-7.65	-6.4245	158.7525	-284.759	1
41289_1290	41289	1290	-27.2925	-1.095	-0.2805	-1.2345	-25.1505	342.4305	1
41290_1290	41290	1290	-167.405	12.774	-7.4085	-7.311	128.1165	-326.807	1
41290_1291	41290	1291	-27.294	-1.095	-0.2415	-0.7545	-27.4455	354.318	1
41291_1291	41291	1291	-4.6335	13.794	6.417	-12.9435	-12.819	2428.796	1
41291_1292	41291	1292	-22.446	-71.766	12.468	-24.51	85.3695	-1004.83	1
41292_1292	41292	1292	-5.193	11.1735	-2.049	-6.981	34.0215	2326.323	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41292_1293	41292	1293	-21.249	-75.5925	-3.2085	-5.454	39.4065	-132.213	1
41293_1293	41293	1293	-5.508	11.0265	-2.0205	2.7435	7.386	2184.768	1
41293_1294	41293	1294	-19.2585	-69.3225	-2.7915	-7.614	3.786	378.162	1
41294_1294	41294	1294	-5.712	11.6055	-0.1875	-8.073	-14.8425	2061.402	1
41294_1295	41294	1295	-17.901	-67.2	-1.2	-9.2055	-4.9725	738.4305	1
41295_1295	41295	1295	-5.91	11.5065	-0.1635	0.1215	-16.3905	1978.458	1
41295_1296	41295	1296	-16.8	-64.2	-1.14	-6.0105	-13.6485	1050.86	1
41296_1296	41296	1296	-6.0405	11.439	-0.156	2.3085	-17.5575	1896.105	1
41296_1297	41296	1297	-16.1025	-61.4055	-1.1115	-4.887	-23.649	1453.178	1
41297_1297	41297	1297	-6.048	10.95	-0.2415	-5.01	-18.9345	1795.506	1
41297_1298	41297	1298	-16.071	-63.285	0.0345	-11.664	-23.5095	1709.649	1
41298_1298	41298	1298	-6.048	10.95	-0.231	-2.2455	-19.9125	1752.768	1
41298_1299	41298	1299	-16.071	-63.285	0.0615	-8.8875	-22.9935	2249.756	1
41299_1299	41299	1299	-6.048	10.95	-0.2115	3.072	-21.873	1660.061	1
41299_1300	41299	1300	-16.071	-63.285	0.1125	-1.6815	-21.6435	3008.271	1
41300_1300	41300	1300	-6.048	10.629	0.306	-2.1885	-24.417	1528.812	1
41300_1301	41300	1301	-16.0695	-66.483	0.522	-11.397	-14.766	3883.431	1
41301_1301	41301	1301	-6.0465	10.629	0.33	3.3765	-20.3985	1388.9	1
41301_1302	41301	1302	-16.068	-39.699	0.5865	4.1655	-8.118	4333.17	1
41302_1302	41302	1302	-6.0465	10.1745	0.3015	-1.5	-16.665	1268.493	1
41302_1303	41302	1303	-16.0665	-15.426	0.324	-10.587	-3.75	4540.851	1
41303_1303	41303	1303	-6.045	10.1745	0.33	3.807	-12.6075	1131.512	1
41303_1304	41303	1304	-16.065	-15.426	0.4005	10.713	0.6645	4711.163	1
41304_1304	41304	1304	-6.0435	9.7455	0.432	-0.405	-8.9685	1019.175	1
41304_1305	41304	1305	-16.0635	35.328	0.3435	-5.3295	5.1525	4249.586	1
41305_1305	41305	1305	-6.042	9.7455	0.456	3.1425	-3.318	891.834	1
41305_1306	41305	1306	-16.062	48	0.408	11.571	9.8085	3700.89	1
41306_1306	41306	1306	-6.0405	9.2535	0.615	0.279	1.899	780.429	1
41306_1307	41306	1307	-16.0605	44.8935	0.5775	-0.7215	16.6605	3168.335	1
41307_1307	41307	1307	-6.0375	9.2535	0.636	2.6205	9.198	670.65	1
41307_1308	41307	1308	-16.059	44.8935	0.633	10.344	24.6675	2601.045	1
41308_1308	41308	1308	-6.036	8.8365	0.3765	0.8505	17.2395	553.7115	1
41308_1309	41308	1309	-16.056	41.3835	0.4665	2.625	30.333	2097.657	1
41309_1309	41309	1309	-6.0345	8.8365	0.399	2.562	21.8145	446.2155	1
41309_1310	41309	1310	-16.0545	41.3835	0.528	10.665	36.8415	1586.919	1
41310_1310	41310	1310	-6.036	8.733	-0.969	1.4865	26.7405	337.152	1
41310_1311	41310	1311	-16.0575	39.123	-1.818	5.8845	13.557	1085.73	1
41311_1311	41311	1311	-6.039	8.733	-0.9465	2.349	14.319	225.273	1
41311_1312	41311	1312	-16.065	39.123	-1.7565	10.041	-8.889	585.6465	1
41312_1312	41312	1312	-6.042	8.49	-0.123	2.8845	2.2215	113.6355	1
41312_1313	41312	1313	-16.0665	38.241	0.495	9.2955	0	-100.922	1

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95
	Max.	1.31	1.58	1.84	1.84	1.05			0.00	
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	

Fatigue I	Max/Min	1.5								
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VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
1000_1000	1000	1000	3.432	84.8985	-0.2505	1.1895	0	11.766	1
1000_1001	1000	1001	-8.4735	7.7685	-0.3525	0.3825	-5.988	-76.923	1
1001_1001	1001	1001	-98.187	76.3515	-0.279	1.8555	-4.767	-812.06	1
1001_1002	1001	1002	-15.111	7.7685	-0.351	0.4185	-9.804	-130.56	1
1002_1002	1002	1002	-143.495	70.7865	0.1695	1.224	-8.166	-1181.18	1
1002_1003	1002	1003	77.007	9.9375	-0.084	-0.2325	2.316	628.473	1
1003_1003	1003	1003	-185.528	62.487	0.1845	1.728	-5.991	-1522.81	1
1003_1004	1003	1004	122.259	17.925	-0.1125	-0.6615	2.499	998.919	1
1004_1004	1004	1004	-214.956	60.126	0.0915	0.927	-2.949	-1761.96	1
1004_1005	1004	1005	166.929	22.995	-0.123	-0.1755	1.992	1364.117	1
1005_1005	1005	1005	-238.029	52.674	0.084	1.485	-0.978	-1949.32	1
1005_1006	1005	1006	200.3325	31.4865	-0.1215	-0.6825	0.999	1637.418	1
1006_1006	1006	1006	-250.982	52.092	0.0465	0.546	1.248	-2054.48	1
1006_1007	1006	1007	226.2315	33.7515	-0.1215	0.141	-0.1515	1849.37	1
1007_1007	1007	1007	-260.459	45.1365	0.0285	1.1385	2.913	-2131.18	1
1007_1008	1007	1008	241.0215	41.415	-0.108	-0.414	-1.4415	1970.957	1
1008_1008	1008	1008	-261.383	45.108	0.0525	0.216	4.536	-2138.51	1
1008_1009	1008	1009	251.3265	42.2295	-0.138	0.4935	-3.0585	2055.716	1
1009_1009	1009	1009	-260.211	38.466	0.0315	0.765	6.2685	-2128.58	1
1009_1010	1009	1010	252.084	49.455	-0.1215	-0.039	-4.7025	2062.835	1
1010_1010	1010	1010	-251.619	38.3775	0.0735	-0.3525	7.83	-2058.45	1
1010_1011	1010	1011	249.7485	49.9275	-0.1695	1.08	-6.8175	2044.52	1
1011_1011	1011	1011	-241.773	31.992	0.0495	0.699	9.573	-1977.92	1
1011_1012	1011	1012	238.917	56.9055	-0.1515	0.012	-8.8725	1957.203	1
1012_1012	1012	1012	-224.99	31.0755	0.084	0.099	11.0475	-1841.11	1
1012_1013	1012	1013	225.2475	57.864	-0.21	0.756	-11.409	1846.647	1
1013_1013	1013	1013	-208.074	25.0665	0.0435	-0.0915	12.288	-1702.89	1
1013_1014	1013	1014	203.835	64.7145	-0.186	0.966	-13.7145	1673.246	1
1014_1014	1014	1014	-170.393	20.7525	-0.0615	-0.057	12.777	-1395.88	1
1014_1015	1014	1015	154.6125	67.341	-0.0075	0.996	-13.4745	1274.952	1
1015_1015	1015	1015	-183.072	16.635	-0.0435	-0.237	7.7475	-1388.88	1
1015_1016	1015	1016	166.641	76.62	0.0165	0.675	-8.4285	1313.66	1
1016_1016	1016	1016	-145.736	13.6275	-0.2265	-0.111	7.266	-1136.22	1
1016_1017	1016	1017	106.215	78.8985	0.3135	0.5235	-4.452	954.813	1
1017_1017	1017	1017	-100.229	8.694	-0.165	-0.294	5.046	-883.574	1
1017_1018	1017	1018	45.837	85.647	0.318	0.8025	0.1065	564.435	1
1018_1018	1018	1018	-58.3905	4.614	0.18	-0.1245	3.9975	-634.295	1
1018_1019	1018	1019	5.667	91.047	-0.696	0.738	-8.724	200.907	1
1019_1019	1019	1019	-37.3455	2.388	0.039	-0.2835	5.382	-505.034	1
1019_1020	1019	1020	-25.023	97.6785	-0.594	1.035	-15.5685	-234.33	1
1020_1020	1020	1020	-49.0755	77.118	-0.906	0.306	26.2215	0.216	1
1020_1021	1020	1021	157.623	16.0275	1.194	0.132	-27.519	569.634	1
1021_1021	1021	1021	-75.8055	71.739	-0.6285	0.3075	11.8755	-238.752	1
1021_1022	1021	1022	162.15	19.3485	0.9015	-0.027	-13.3725	646.407	1
1022_1022	1022	1022	-91.3575	66.402	-0.5415	0.2835	5.6115	-368.859	1
1022_1023	1022	1023	162.9135	22.638	0.864	0.0105	-5.7525	689.586	1
1023_1023	1023	1023	-104.586	61.878	-0.0435	0.1935	0.612	-476.922	1
1023_1024	1023	1024	161.979	25.644	0.1575	0.111	-3.7275	722.4975	1
1024_1024	1024	1024	-117.446	56.1435	-0.021	0.2415	-0.351	-576.645	1
1024_1025	1024	1025	159.7215	29.6175	0.1395	0.0585	-2.0025	745.4115	1
1025_1025	1025	1025	-127.458	50.5035	0.0105	0.189	-0.954	-650.357	1
1025_1026	1025	1026	155.592	34.0485	0.111	0.114	-0.6375	752.7225	1
1026_1026	1026	1026	-141.543	49.116	0.0105	0.2025	-1.0305	-747.929	1
1026_1027	1026	1027	158.5635	36.498	0.054	0.072	0.003	804.3075	1
1027_1027	1027	1027	-146.148	44.9355	0.03	0.0765	-1.056	-775.799	1
1027_1028	1027	1028	155.181	40.209	0.0315	0.201	0.3435	800.085	1
1028_1028	1028	1028	-149.243	40.9215	0.0375	0.132	-0.9165	-789.803	1
1028_1029	1028	1029	151.053	44.2005	0.0255	0.15	0.5955	786.7185	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1029_1029	1029	1029	-151.413	37.1715	0.0465	0.15	-0.681	-793.536	1
1029_1030	1029	1030	145.317	48.351	0.015	0.129	0.7365	758.688	1
1030_1030	1030	1030	-146.643	34.731	0.1065	0.0405	-0.27	-740.267	1
1030_1031	1030	1031	130.3095	49.8765	0.003	0.2475	0.735	662.3835	1
1031_1031	1031	1031	-148.947	30.243	0.126	0.081	0.8835	-731.385	1
1031_1032	1031	1032	118.809	55.467	-0.021	0.2205	0.3465	588.5025	1
1032_1032	1032	1032	-149.292	26.196	0.144	0.1395	2.346	-706.227	1
1032_1033	1032	1033	104.583	61.1805	-0.0405	0.1635	-0.3555	489.456	1
1033_1033	1033	1033	-148.158	22.9875	0.864	0.1785	4.1085	-669.572	1
1033_1034	1033	1034	89.8155	65.7525	-0.537	0.2775	-5.0595	380.9685	1
1034_1034	1034	1034	-145.173	19.6005	0.8955	0.165	11.562	-620.648	1
1034_1035	1034	1035	72.6675	71.1315	-0.6315	0.249	-11.145	249.87	1
1035_1035	1035	1035	-137.079	16.2	1.2885	-0.276	25.1235	-537.666	1
1035_1036	1035	1036	43.914	76.575	-1.005	0.678	-26.3355	11.0775	1
1036_1036	1036	1036	63.5205	92.628	-0.492	0.9555	12.5055	360.447	1
1036_1037	1036	1037	35.9415	9.6855	0.0765	0.15	-0.045	375.9375	1
1037_1037	1037	1037	43.053	86.5545	-0.588	0.7725	6.795	3.3885	1
1037_1038	1037	1038	35.013	9.933	0.0735	0.1935	1.056	282.4455	1
1038_1038	1038	1038	15.3255	81.483	0.294	0.7665	-0.5895	-286.394	1
1038_1039	1038	1039	63.8475	11.052	-0.1755	-0.231	-4.5135	760.5525	1
1039_1039	1039	1039	-31.452	75.663	0.2685	0.6015	3.489	-611.582	1
1039_1040	1039	1040	97.305	15.4605	-0.2295	-0.1605	-6.771	960.846	1
1040_1040	1040	1040	-81.768	73.764	0.114	0.5685	6.7335	-928.953	1
1040_1041	1040	1041	124.0845	18.339	-0.0525	-0.141	-7.23	1163.42	1
1041_1041	1041	1041	-92.5695	63.8265	0.051	0.426	3.7845	-802.497	1
1041_1042	1041	1042	138.147	21.768	-0.0315	-0.081	-4.0455	1063.536	1
1042_1042	1042	1042	-144.972	60.792	0.009	0.366	4.6395	-1130.46	1
1042_1043	1042	1043	167.8995	26.1285	-0.0045	-0.0255	-4.3755	1269.596	1
1043_1043	1043	1043	-167.43	53.673	0.0075	0.327	4.734	-1266.52	1
1043_1044	1043	1044	177.7875	32.229	-0.003	0.015	-4.578	1339.932	1
1044_1044	1044	1044	-181.793	51.24	0	0.2655	4.788	-1349.58	1
1044_1045	1044	1045	187.4025	34.4145	0.006	0.078	-4.6125	1403.636	1
1045_1045	1045	1045	-192.92	44.2125	-0.0015	0.2145	4.7355	-1410.86	1
1045_1046	1045	1046	189.831	41.076	0.009	0.129	-4.611	1418.438	1
1046_1046	1046	1046	-195.984	42.0345	0.0075	0.135	4.677	-1419.85	1
1046_1047	1046	1047	190.1985	43.1835	0	0.207	-4.689	1417.071	1
1047_1047	1047	1047	-196.574	35.304	0.006	0.0945	4.689	-1411.93	1
1047_1048	1047	1048	182.8635	50.2065	0	0.249	-4.758	1364.495	1
1048_1048	1048	1048	-189.42	33.1365	0	0.0855	4.686	-1353.74	1
1048_1049	1048	1049	172.4535	52.4595	0.0015	0.267	-4.7955	1290.759	1
1049_1049	1049	1049	-181.523	26.9385	-0.003	-0.0585	4.53	-1289.02	1
1049_1050	1049	1050	153.8745	59.6205	0.006	0.4095	-4.7655	1163.951	1
1050_1050	1050	1050	-153.231	22.545	-0.0255	-0.027	4.209	-1087.53	1
1050_1051	1050	1051	105.627	62.544	0.0435	0.39	-4.0605	847.9875	1
1051_1051	1051	1051	-150.018	18.6795	-0.0255	-0.2295	4.2195	-1145.01	1
1051_1052	1051	1052	105.4335	72.5295	0.057	0.6525	-4.0695	934.9545	1
1052_1052	1052	1052	-121.409	15.477	-0.129	-0.1125	3.9345	-952.832	1
1052_1053	1052	1053	53.523	74.658	0.168	0.546	-2.0565	632.952	1
1053_1053	1053	1053	-76.971	10.8465	-0.1305	-0.36	3.5895	-805.161	1
1053_1054	1053	1054	0.933	81.3555	0.2415	1.14	0.5145	339.7365	1
1054_1054	1054	1054	-52.1655	7.2255	0.021	0.2175	-1.8405	-253.872	1
1054_1055	1054	1055	-26.367	86.8035	-0.495	0.9885	-5.838	41.0745	1
1055_1055	1055	1055	-53.448	6.1965	0.024	0.222	-1.569	-328.698	1
1055_1056	1055	1056	-47.3055	93.474	-0.4245	1.176	-10.884	-329.772	1
1056_1056	1056	1056	-64.638	76.053	-0.636	0.483	17.5245	-109.317	1
1056_1057	1056	1057	151.2795	16.7895	0.81	0.165	-17.7105	593.5275	1
1057_1057	1057	1057	-91.374	70.9935	-0.5085	0.549	8.922	-350.934	1
1057_1058	1057	1058	158.5875	20.4345	0.708	0.0705	-9.546	698.5695	1
1058_1058	1058	1058	-105.86	65.7795	-0.4485	0.618	3.999	-485.093	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1058_1059	1058	1059	161.508	23.895	0.693	-0.057	-3.492	756.1425	1
1059_1059	1059	1059	-117.912	61.455	-0.03	0.5505	0.015	-594.443	1
1059_1060	1059	1060	162.4095	26.8515	0.105	0.1095	-2.085	800.4585	1
1060_1060	1060	1060	-129.609	55.881	-0.009	0.4575	-0.6	-694.991	1
1060_1061	1060	1061	161.8725	30.9255	0.084	0.195	-0.984	832.5615	1
1061_1061	1061	1061	-138.54	50.4075	0.0135	0.3315	-0.933	-767.466	1
1061_1062	1061	1062	159.219	35.403	0.063	0.33	-0.135	845.7825	1
1062_1062	1062	1062	-151.374	49.0815	0.006	0.4995	-0.894	-866.421	1
1062_1063	1062	1063	163.128	37.8285	0.0405	0.117	0.339	905.5965	1
1063_1063	1063	1063	-155.501	45.027	0.0195	0.2685	-0.876	-893.099	1
1063_1064	1063	1064	160.611	41.52	0.024	0.336	0.5775	903.846	1
1064_1064	1064	1064	-158.105	41.112	0.027	0.3345	-0.7335	-904.221	1
1064_1065	1064	1065	157.1535	45.447	0.018	0.27	0.744	890.763	1
1065_1065	1065	1065	-159.921	37.4415	0.0435	0.0975	-0.5145	-905.021	1
1065_1066	1065	1066	152.226	49.5195	0.003	0.5205	0.7815	862.752	1
1066_1066	1066	1066	-155.175	35.079	0.069	0.243	-0.069	-844.382	1
1066_1067	1066	1067	138.495	50.8035	0.006	0.387	0.7995	761.7585	1
1067_1067	1067	1067	-157.076	30.633	0.0885	0.1215	0.7815	-830.366	1
1067_1068	1067	1068	128.4	56.277	-0.0165	0.5145	0.4665	686.94	1
1068_1068	1068	1068	-157.122	26.61	0.099	0.246	1.872	-798.993	1
1068_1069	1068	1069	115.695	61.8495	-0.03	0.4005	-0.0855	585.246	1
1069_1069	1069	1069	-155.664	23.6925	0.705	-0.0585	3.183	-755.03	1
1069_1070	1069	1070	102.498	66.141	-0.456	0.6195	-4.065	474.078	1
1070_1070	1070	1070	-152.561	20.2875	0.72	0.069	9.288	-699.075	1
1070_1071	1070	1071	87.0705	71.34	-0.5175	0.549	-9.0045	338.7495	1
1071_1071	1071	1071	-145.133	16.7325	0.846	0.177	17.985	-599.132	1
1071_1072	1071	1072	59.559	76.407	-0.6645	0.477	-18.183	96.6975	1
1072_1072	1072	1072	52.9215	93.066	-0.426	1.221	10.8855	292.737	1
1072_1073	1072	1073	23.277	8.3625	0.0405	0.1455	-1.5615	279.6675	1
1073_1073	1073	1073	29.8665	86.8095	-0.495	1.0185	5.778	-90.6945	1
1073_1074	1073	1074	22.422	8.4795	0.039	0.24	-0.9375	203.2995	1
1074_1074	1074	1074	-0.756	81.8445	0.255	1.1715	-0.6	-404.832	1
1074_1075	1074	1075	70.494	10.8	-0.132	-0.375	-3.6255	816.5025	1
1075_1075	1075	1075	-58.965	75.5415	0.1815	0.5355	2.1645	-710.835	1
1075_1076	1075	1076	117.0225	15.1305	-0.129	-0.111	-3.9555	976.0125	1
1076_1076	1076	1076	-115.302	73.755	0.0495	0.6255	4.398	-1030.33	1
1076_1077	1076	1077	148.1685	17.9535	-0.0345	-0.207	-4.3305	1185.564	1
1077_1077	1077	1077	-108.768	65.496	0.054	0.8055	7.0035	-1046.24	1
1077_1078	1077	1078	137.286	21.9195	-0.0495	-0.063	-6.975	1228.689	1
1078_1078	1078	1078	-151.283	63.066	-0.0285	0.849	7.929	-1363.46	1
1078_1079	1078	1079	164.6535	25.752	0.0015	-0.1335	-7.2525	1451.64	1
1079_1079	1079	1079	-171.33	56.5395	-0.0375	0.699	7.623	-1510.74	1
1079_1080	1079	1080	176.385	31.4595	0.0165	0.006	-7.2225	1548.318	1
1080_1080	1080	1080	-184.788	54.7785	-0.015	0.6585	7.2615	-1607.55	1
1080_1081	1080	1081	188.19	33.2655	0.003	0.048	-7.155	1640.844	1
1081_1081	1081	1081	-195.825	48.324	-0.0225	0.492	7.101	-1685.42	1
1081_1082	1081	1082	194.3415	39.381	0.012	0.2085	-7.005	1688.081	1
1082_1082	1082	1082	-197.39	46.416	-0.0015	0.567	6.918	-1691.17	1
1082_1083	1082	1083	196.2015	40.809	-0.009	0.159	-7.0245	1700.906	1
1083_1083	1083	1083	-199.637	39.654	-0.012	0.1365	6.921	-1701.24	1
1083_1084	1083	1084	194.0625	47.6295	0.0015	0.591	-6.942	1681.83	1
1084_1084	1084	1084	-197.909	38.3295	0.0195	0.345	6.8505	-1681.09	1
1084_1085	1084	1085	192.7785	49.4385	-0.033	0.3735	-7.1955	1667.88	1
1085_1085	1085	1085	-192.003	32.28	0.0075	-0.108	7.053	-1628.26	1
1085_1086	1085	1086	181.95	55.92	-0.021	0.84	-7.3845	1581.837	1
1086_1086	1086	1086	-180.599	30.738	0.0075	0.1515	7.131	-1532.7	1
1086_1087	1086	1087	168.9075	57.4485	-0.03	0.5715	-7.6215	1478.49	1
1087_1087	1087	1087	-169.052	25.083	-0.0075	-0.237	7.053	-1433.43	1
1087_1088	1087	1088	149.391	63.957	-0.0165	0.972	-7.743	1325.997	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1088_1088	1088	1088	-143.609	21.6315	-0.012	-0.2325	6.714	-1223.3	1
1088_1089	1088	1089	110.5095	66.345	0.0195	0.9375	-7.2885	1027.38	1
1089_1089	1089	1089	-138.686	17.784	-0.009	-0.144	5.637	-1244.84	1
1089_1090	1089	1090	104.322	74.688	0.021	0.8205	-6.0795	1064.327	1
1090_1090	1090	1090	-110.109	14.7075	-0.168	-0.249	5.388	-1021.56	1
1090_1091	1090	1091	53.3115	76.6455	0.225	0.9405	-3.309	723.702	1
1091_1091	1091	1091	-73.878	9.993	-0.156	-0.2925	4.5495	-804.213	1
1091_1092	1091	1092	3.9765	82.899	0.291	1.0035	-0.1095	368.82	1
1092_1092	1092	1092	-28.704	8.6595	0.0255	0.2475	-0.057	-244.145	1
1092_1093	1092	1093	-25.536	87.9375	-0.591	0.909	-7.6035	46.665	1
1093_1093	1093	1093	-25.209	8.496	0.0255	0.138	0.567	-312.746	1
1093_1094	1093	1094	-47.859	94.4655	-0.513	1.17	-13.665	-347.07	1
1094_1094	1094	1094	-65.3835	75.84	-0.714	0.5025	19.6575	-109.746	1
1094_1095	1094	1095	151.6815	16.7505	0.918	0.1215	-19.9635	594.5595	1
1095_1095	1095	1095	-89.643	70.8765	-0.7185	0.6705	12.4905	-362.19	1
1095_1096	1095	1096	154.755	20.4615	1.0095	-0.0435	-13.3725	714.4545	1
1096_1096	1096	1096	-102.996	65.5095	-0.609	0.438	5.5395	-500.916	1
1096_1097	1096	1097	157.1475	23.967	0.954	0.2595	-5.0175	774.0195	1
1097_1097	1097	1097	-113.865	61.2195	-0.033	0.45	0.1155	-612.413	1
1097_1098	1097	1098	157.5315	26.9415	0.147	0.1755	-3.0345	819.603	1
1098_1098	1098	1098	-124.484	55.623	-0.0015	0.3375	-0.6735	-715.161	1
1098_1099	1098	1099	156.534	31.089	0.114	0.303	-1.5225	852.3495	1
1099_1099	1099	1099	-132.545	50.1285	0.0225	0.435	-1.026	-789.269	1
1099_1100	1099	1100	153.525	35.673	0.0975	0.1905	-0.285	865.518	1
1100_1100	1100	1100	-144.167	49.47	0.069	-1.0125	-0.9195	-888.941	1
1100_1101	1100	1101	156.9075	37.6935	0.003	1.2585	0.0165	928.155	1
1101_1101	1101	1101	-147.963	45.372	0.0795	-0.945	-0.4785	-917.364	1
1101_1102	1101	1102	154.248	41.391	-0.006	1.359	0.09	926.562	1
1102_1102	1102	1102	-150.561	41.4105	-0.0045	1.5165	0.105	-931.491	1
1102_1103	1102	1103	150.717	45.3405	0.087	-1.104	0.672	913.2675	1
1103_1103	1103	1103	-152.358	37.692	0.0195	1.071	0.2385	-934.353	1
1103_1104	1103	1104	146.07	49.4415	0.0615	-0.8145	1.008	886.6035	1
1104_1104	1104	1104	-147.888	35.697	0.093	0.294	0.723	-873.563	1
1104_1105	1104	1105	133.5795	50.055	0.0285	0.3375	1.1055	788.64	1
1105_1105	1105	1105	-149.786	31.095	0.123	0.144	2.01	-861.422	1
1105_1106	1105	1106	124.32	55.551	-0.006	0.4815	0.6315	716.5125	1
1106_1106	1106	1106	-149.754	26.9265	0.1425	0.255	3.687	-829.787	1
1106_1107	1106	1107	112.5045	61.146	-0.0285	0.3735	-0.204	615.7575	1
1107_1107	1107	1107	-148.268	23.931	0.9765	-0.0165	5.7225	-784.463	1
1107_1108	1107	1108	100.4145	65.475	-0.624	0.609	-5.835	506.184	1
1108_1108	1108	1108	-144.918	20.385	0.999	0.1095	14.364	-724.989	1
1108_1109	1108	1109	85.899	70.821	-0.711	0.537	-12.8235	368.9175	1
1109_1109	1109	1109	-140.462	16.6275	0.9315	0.1425	21.255	-605.381	1
1109_1110	1109	1110	60.4905	75.8295	-0.726	0.4545	-20.3985	117.753	1
1110_1110	1110	1110	54.87	91.4595	-0.5385	1.278	15.501	271.422	1
1110_1111	1110	1111	23.856	4.476	0.0195	0.0975	0.3315	207.2445	1
1111_1111	1111	1111	33.9825	84.9735	-0.624	0.9375	9.321	-94.2885	1
1111_1112	1111	1112	36.528	7.587	0.222	-0.093	-4.074	609.426	1
1112_1112	1112	1112	6.744	79.9305	0.2415	1.113	1.569	-386.31	1
1112_1113	1112	1113	66.7965	11.6355	-0.135	-0.3465	-5.121	820.638	1
1113_1113	1113	1113	-39.588	73.83	0.1755	0.888	4.0095	-707.708	1
1113_1114	1113	1114	100.266	16.3695	-0.1425	-0.15	-5.601	1020.657	1
1114_1114	1114	1114	-87.096	72.1245	0.042	1.2165	6.1665	-1022.53	1
1114_1115	1114	1115	125.8755	19.3305	-0.0225	-0.498	-5.937	1228.233	1
1115_1115	1115	1115	-100.521	62.9355	0.0195	0.4995	5.5905	-897.533	1
1115_1116	1115	1116	140.3505	23.0415	-0.015	0.0075	-5.292	1110.366	1
1116_1116	1116	1116	-141.437	60.708	-0.0375	0.525	5.9415	-1169.4	1
1116_1117	1116	1117	165.105	26.6775	0.0195	-0.0525	-5.298	1293.654	1
1117_1117	1117	1117	-159.666	53.9745	-0.0465	0.4485	5.4885	-1290.73	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1117_1118	1117	1118	173.5845	32.532	0.03	0.024	-5.07	1361.499	1
1118_1118	1118	1118	-170.778	52.386	-0.03	0.504	4.9575	-1364.1	1
1118_1119	1118	1119	181.9785	34.068	0.0225	-0.0135	-4.7955	1425.129	1
1119_1119	1119	1119	-179.714	45.711	-0.0405	0.234	4.5675	-1422.09	1
1119_1120	1119	1120	184.2825	40.332	0.0345	0.2595	-4.386	1446.315	1
1120_1120	1120	1120	-178.32	43.9845	-0.024	0.2505	4.107	-1411.07	1
1120_1121	1120	1121	182.178	41.5965	0.0195	0.234	-4.065	1436.228	1
1121_1121	1121	1121	-178.086	37.026	-0.03	0.1815	3.7845	-1406.42	1
1121_1122	1121	1122	175.7055	48.615	0.0255	0.3075	-3.6795	1395.83	1
1122_1122	1122	1122	-173.55	35.7795	-0.009	0.1065	3.453	-1372.17	1
1122_1123	1122	1123	170.46	50.4195	0.0045	0.3795	-3.507	1362.003	1
1123_1123	1123	1123	-165.293	29.6055	-0.015	0.0345	3.354	-1311.61	1
1123_1124	1123	1124	155.1645	57.096	0.0105	0.459	-3.3225	1260.987	1
1124_1124	1124	1124	-151.458	28.173	0	0.0735	3.2295	-1212.06	1
1124_1125	1124	1125	137.7135	58.6035	-0.009	0.4305	-3.348	1144.835	1
1125_1125	1125	1125	-138.503	22.5015	-0.012	-0.123	3.1845	-1114.52	1
1125_1126	1125	1126	113.415	65.3085	0.0015	0.6345	-3.306	982.6605	1
1126_1126	1126	1126	-113.102	19.5405	-0.0675	-0.066	2.9865	-927.927	1
1126_1127	1126	1127	70.143	67.5345	0.072	0.5715	-2.226	694.5135	1
1127_1127	1127	1127	-113.985	15.822	-0.06	-0.105	1.8375	-904.2	1
1127_1128	1127	1128	67.0485	75.4365	0.075	0.4275	-1.257	676.8465	1
1128_1128	1128	1128	-85.5555	13.5105	-0.132	-0.0495	1.4325	-716.477	1
1128_1129	1128	1129	12.5835	76.659	0.177	0.39	0.8805	354.8835	1
1129_1129	1129	1129	-45.357	9.6045	0.087	0.1245	0.6945	-270.272	1
1129_1130	1129	1130	-36.6885	82.9845	0.231	0.8745	4.2	28.437	1
1130_1130	1130	1130	-46.4715	8.8395	0.0375	0.1785	1.956	-360.248	1
1130_1131	1130	1131	-60.153	87.627	-0.4695	0.768	-1.965	-277.944	1
1131_1131	1131	1131	-41.643	8.496	0.036	0.0315	2.496	-432.866	1
1131_1132	1131	1132	-76.6005	93.978	-0.426	0.8115	-7.5135	-648.234	1
1132_1132	1132	1132	-46.8375	76.965	-0.5325	-0.282	13.749	28.353	1
1132_1133	1132	1133	137.583	13.2915	0.594	0.612	-11.778	426.1545	1
1133_1133	1133	1133	-76.116	71.145	-0.453	-0.009	7.0755	-227.915	1
1133_1134	1133	1134	146.9775	17.3145	0.558	0.2775	-6.039	535.44	1
1134_1134	1134	1134	-93.7995	65.5635	-0.492	0.837	3.0255	-373.433	1
1134_1135	1134	1135	151.194	21.219	0.6825	-0.9915	-0.3735	600.336	1
1135_1135	1135	1135	-108.819	61.4475	0.0225	0.1845	-0.9075	-494.739	1
1135_1136	1135	1136	154.6455	23.34	0.0105	0.117	0.0075	660.519	1
1136_1136	1136	1136	-123.018	55.227	0.0195	0.339	-0.7815	-605.894	1
1136_1137	1136	1137	156.0135	27.7785	0.0135	-0.0495	0.2835	706.443	1
1137_1137	1137	1137	-133.404	49.1505	0.03	0.246	-0.6285	-685.241	1
1137_1138	1137	1138	154.629	32.664	0	0.0195	0.3825	731.571	1
1138_1138	1138	1138	-147.012	48.0165	0.012	0.192	-0.342	-782.091	1
1138_1139	1138	1139	159.639	35.1105	0.006	0.0825	0.4515	796.7775	1
1139_1139	1139	1139	-151.178	43.5105	0.021	0.0405	-0.204	-810.132	1
1139_1140	1139	1140	157.677	39.1635	-0.0075	0.2325	0.3975	802.452	1
1140_1140	1140	1140	-153.359	39.1785	0.0225	0.081	-0.006	-821.369	1
1140_1141	1140	1141	154.404	43.5075	-0.009	0.204	0.321	795.69	1
1141_1141	1141	1141	-154.298	35.145	0.0165	0.2865	0.207	-820.476	1
1141_1142	1141	1142	149.109	48.027	-0.003	-0.0195	0.2685	771.897	1
1142_1142	1142	1142	-147.675	32.7255	0.0255	-0.036	0.447	-760.121	1
1142_1143	1142	1143	134.4225	49.302	0.0105	0.3105	0.2895	679.707	1
1143_1143	1143	1143	-147.45	27.8205	0.0315	0.018	0.8595	-739.611	1
1143_1144	1143	1144	122.496	55.3485	0.0045	0.2835	0.159	605.9115	1
1144_1144	1144	1144	-144.572	23.3805	0.03	0.1815	1.356	-698.532	1
1144_1145	1144	1145	106.8945	61.5225	0.003	0.123	-0.024	501.225	1
1145_1145	1145	1145	-139.881	20.295	0.5025	-0.0975	1.911	-643.184	1
1145_1146	1145	1146	90.492	66.1095	-0.3495	0.3825	-3	385.5225	1
1146_1146	1146	1146	-132.996	16.5195	0.5085	-0.0315	6.162	-574.742	1
1146_1147	1146	1147	70.914	71.874	-0.39	0.3525	-6.6195	242.6205	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1147_1147	1147	1147	-119.853	12.6135	0.5415	0.1275	11.0925	-468.204	1
1147_1148	1147	1148	38.682	77.688	-0.456	0.387	-12.243	-11.322	1
1148_1148	1148	1148	81.5775	87.795	-0.324	0.8115	7.011	416.1585	1
1148_1149	1148	1149	46.7295	5.214	0.0195	0.0585	-0.429	319.818	1
1149_1149	1149	1149	65.7975	81.3315	-0.381	0.7155	2.988	89.6865	1
1149_1150	1149	1150	17.319	8.829	0.105	-0.0465	-1.4625	463.98	1
1150_1150	1150	1150	44.2875	76.4865	0.1725	0.753	-2.082	-166.836	1
1150_1151	1150	1151	41.574	12.7605	-0.0855	-0.15	-1.7235	639.294	1
1151_1151	1151	1151	-2.8065	70.338	0.129	0.36	0.129	-424.578	1
1151_1152	1151	1152	78.513	17.1285	-0.0975	-0.072	-2.1555	753.4905	1
1152_1152	1152	1152	-51.0705	69.072	0.0705	0.327	1.6095	-698.166	1
1152_1153	1152	1153	102.21	19.7115	-0.0375	-0.045	-2.355	919.0965	1
1153_1153	1153	1153	-58.4595	60.4335	0.057	0.2565	1.8645	-658.839	1
1153_1154	1153	1154	106.6515	23.463	-0.0375	-0.0315	-2.5155	877.722	1
1154_1154	1154	1154	-95.604	57.621	0	0.222	2.613	-881.096	1
1154_1155	1154	1155	125.136	26.9505	0.006	0.0075	-2.5395	1012.623	1
1155_1155	1155	1155	-113.307	50.5395	-0.0045	0.1935	2.5635	-985.817	1
1155_1156	1155	1156	129.858	33.066	0.0105	0.0375	-2.4885	1057.004	1
1156_1156	1156	1156	-127.58	48.825	0.003	0.1695	2.4855	-1067.84	1
1156_1157	1156	1157	137.787	35.181	0.0045	0.0615	-2.4675	1115.556	1
1157_1157	1157	1157	-135.353	42.495	-0.0015	0.126	2.4885	-1109.24	1
1157_1158	1157	1158	136.6545	41.2365	0.0105	0.1065	-2.409	1116.702	1
1158_1158	1158	1158	-137.225	40.908	0.009	0.105	2.4675	-1113.47	1
1158_1159	1158	1159	134.5575	42.843	-0.003	0.126	-2.4615	1108.953	1
1159_1159	1159	1159	-138.242	34.854	0.0045	0.06	2.538	-1109.73	1
1159_1160	1159	1160	126.756	49.1685	0.003	0.171	-2.4855	1065.02	1
1160_1160	1160	1160	-130.011	32.7765	0.012	0	2.568	-1047.64	1
1160_1161	1160	1161	112.3005	50.904	-0.0045	0.2235	-2.5785	979.4415	1
1161_1161	1161	1161	-124.929	26.655	0.0105	0.042	2.646	-999.984	1
1161_1162	1161	1162	94.5195	57.9555	-0.006	0.18	-2.706	871.5555	1
1162_1162	1162	1162	-105.911	23.013	-0.0495	-0.045	2.6775	-861.179	1
1162_1163	1162	1163	56.961	60.9405	0.072	0.2685	-1.773	644.5455	1
1163_1163	1163	1163	-102.461	19.2255	-0.045	-0.0195	2.202	-889.836	1
1163_1164	1163	1164	50.889	69.5295	0.081	0.2925	-1.305	673.0065	1
1164_1164	1164	1164	-78.054	16.5645	-0.096	-0.096	1.9665	-722.378	1
1164_1165	1164	1165	1.9215	70.9335	0.123	0.366	0.0915	395.511	1
1165_1165	1165	1165	-44.394	12.1005	-0.0735	-0.081	1.386	-585.782	1
1165_1166	1165	1166	-44.097	76.9875	0.147	0.5265	1.9725	122.2725	1
1166_1166	1166	1166	-18.819	8.0985	0.087	-0.051	1.176	-414.783	1
1166_1167	1166	1167	-66.6	82.1265	-0.318	0.5565	-2.2665	-137.211	1
1167_1167	1167	1167	-55.6575	5.5845	0.0165	0.042	0.5145	-358.652	1
1167_1168	1167	1168	-83.082	88.6515	-0.2685	0.6255	-5.655	-465.455	1
1168_1168	1168	1168	-38.5725	77.541	-0.3915	0.312	10.44	23.37	1
1168_1169	1168	1169	124.767	12.8055	0.4635	0.0945	-9.294	443.445	1
1169_1169	1169	1169	-71.9145	71.862	-0.291	0.3405	4.8855	-225.552	1
1169_1170	1169	1170	137.3535	16.632	0.3765	-0.054	-4.4235	549.0585	1
1170_1170	1170	1170	-92.1435	66.1755	-0.261	0.366	2.208	-365.669	1
1170_1171	1170	1171	144.399	20.328	0.3735	-0.1155	-1.2885	614.6865	1
1171_1171	1171	1171	-109.286	61.416	-0.0075	0.1575	-0.0015	-480.755	1
1171_1172	1171	1172	149.2755	23.5425	0.0405	0.1365	-0.753	667.734	1
1172_1172	1172	1172	-125.282	55.335	-0.006	0.3075	-0.1875	-584.354	1
1172_1173	1172	1173	152.1405	27.915	0.0405	-0.0225	-0.276	707.4045	1
1173_1173	1173	1173	-137.393	49.3665	0.006	0.228	-0.309	-658.058	1
1173_1174	1173	1174	152.2545	32.7405	0.03	0.0465	0.078	727.5495	1
1174_1174	1174	1174	-152.621	47.9655	0.0045	0.036	-0.27	-750.572	1
1174_1175	1174	1175	158.982	35.2905	0.003	0.219	0.159	786.663	1
1175_1175	1175	1175	-157.949	43.524	0	0.2415	-0.228	-776.085	1
1175_1176	1175	1176	157.8645	39.2835	0.0075	0.027	0.225	788.1465	1
1176_1176	1176	1176	-161.136	39.246	0.006	0.105	-0.216	-785.184	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1176_1177	1176	1177	155.4585	43.5645	0.0015	0.1575	0.2445	778.215	1
1177_1177	1177	1177	-162.995	35.256	0.0075	0.1365	-0.159	-782.759	1
1177_1178	1177	1178	150.9195	48.012	0	0.12	0.2565	751.8435	1
1178_1178	1178	1178	-157.349	32.724	0.0315	0.087	-0.0495	-723.137	1
1178_1179	1178	1179	136.4775	49.4415	0.003	0.2025	0.2805	658.404	1
1179_1179	1179	1179	-158.198	27.912	0.042	0.0195	0.3165	-702.029	1
1179_1180	1179	1180	125.325	55.404	-0.0075	0.2745	0.1365	582.81	1
1180_1180	1180	1180	-156.347	23.5635	0.048	0.072	0.8055	-662.073	1
1180_1181	1180	1181	110.4135	61.4895	-0.0135	0.228	-0.108	478.1655	1
1181_1181	1181	1181	-152.627	20.3775	0.366	-0.1275	1.3965	-609.207	1
1181_1182	1181	1182	94.377	66.3	-0.258	0.3645	-2.3055	361.575	1
1182_1182	1182	1182	-146.627	16.722	0.369	-0.069	4.4685	-544.244	1
1182_1183	1182	1183	75.1755	71.9625	-0.288	0.3435	-4.956	220.4565	1
1183_1183	1183	1183	-136.043	12.936	0.423	0.114	8.7255	-436.827	1
1183_1184	1183	1184	42.879	77.568	-0.36	0.2805	-9.831	-29.217	1
1184_1184	1184	1184	75.798	91.605	-0.249	0.612	5.0355	523.677	1
1184_1185	1184	1185	37.4865	8.808	0.021	0.105	-0.7275	340.23	1
1185_1185	1185	1185	56.85	85.068	-0.288	0.561	1.833	168.1845	1
1185_1186	1185	1186	40.6305	9.1815	0.024	0.087	-0.339	266.7735	1
1186_1186	1186	1186	30.24	79.611	0.147	0.528	-2.0865	-122.819	1
1186_1187	1186	1187	51.564	10.647	-0.0705	-0.081	-1.326	571.602	1
1187_1187	1187	1187	-20.298	73.257	0.126	0.36	-0.198	-426.513	1
1187_1188	1187	1188	88.6725	15.129	-0.093	-0.099	-1.8915	725.088	1
1188_1188	1188	1188	-74.0085	71.2665	0.0855	0.3345	1.2375	-724.862	1
1188_1189	1188	1189	116.8545	18.012	-0.048	-0.0195	-2.1525	906.3495	1
1189_1189	1189	1189	-80.673	62.9355	0.081	0.3645	1.791	-747.074	1
1189_1190	1189	1190	119.6745	22.011	-0.054	-0.072	-2.7345	939.1965	1
1190_1190	1190	1190	-121.107	59.655	0.0165	0.231	2.8605	-1004.67	1
1190_1191	1190	1191	142.926	25.8405	-0.0015	0.087	-2.877	1106.568	1
1191_1191	1191	1191	-140.984	52.659	0.0225	0.381	3.015	-1130.69	1
1191_1192	1191	1192	151.7805	31.902	-0.0075	-0.063	-3.06	1175.681	1
1192_1192	1192	1192	-156.824	50.487	0.0105	0.2415	3.24	-1229.25	1
1192_1193	1192	1193	162.888	34.3545	0.0015	0.09	-3.1365	1255.416	1
1193_1193	1193	1193	-165.747	44.16	0.0075	0.1935	3.3105	-1282.24	1
1193_1194	1193	1194	164.7705	40.443	0.003	0.135	-3.192	1273.89	1
1194_1194	1194	1194	-168.671	42.3015	0.024	0.0915	3.375	-1295.48	1
1194_1195	1194	1195	165.0645	42.369	-0.012	0.228	-3.396	1279.773	1
1195_1195	1195	1195	-170.165	36.2775	0.0255	0.147	3.582	-1297.24	1
1195_1196	1195	1196	159.2775	48.7065	-0.015	0.1695	-3.648	1245.449	1
1196_1196	1196	1196	-162.575	33.783	0.009	-0.066	3.7695	-1238.65	1
1196_1197	1196	1197	146.634	51.015	0.0015	0.3735	-3.738	1166.076	1
1197_1197	1197	1197	-157.095	27.7965	0.0135	0.0885	3.762	-1190.05	1
1197_1198	1197	1198	130.1475	57.996	-0.003	0.219	-3.879	1060.253	1
1198_1198	1198	1198	-137.147	24	-0.0555	-0.075	3.7335	-1043.23	1
1198_1199	1198	1199	93.591	61.2675	0.0765	0.3915	-2.907	826.107	1
1199_1199	1199	1199	-135.348	20.0115	-0.0495	-0.0555	3.1665	-1023.78	1
1199_1200	1199	1200	89.103	69.9345	0.0855	0.438	-2.4405	822.969	1
1200_1200	1200	1200	-108.444	16.6845	-0.0795	-0.165	2.817	-852.333	1
1200_1201	1200	1201	37.761	72.198	0.1035	0.5415	-1.248	547.1025	1
1201_1201	1201	1201	-66.4725	12.1455	-0.084	-0.192	3.228	-730.353	1
1201_1202	1201	1202	-14.085	78.591	0.168	0.8265	0.2925	286.623	1
1202_1202	1202	1202	-36.6435	7.9515	0.1185	-0.213	2.8395	-543.431	1
1202_1203	1202	1203	-40.2705	84.1215	-0.4425	0.873	-5.4825	17.457	1
1203_1203	1203	1203	-26.4675	5.9565	0.018	0.1215	-0.051	-226.259	1
1203_1204	1203	1204	-60.3855	90.513	-0.3765	0.9945	-9.9735	-319.398	1
1204_1204	1204	1204	-50.1945	76.998	-0.5595	0.36	16.1025	-40.1985	1
1204_1205	1204	1205	138.729	15.846	0.6975	0.207	-16.077	540.3645	1
1205_1205	1205	1205	-79.9845	71.781	-0.4635	0.474	8.5575	-284.702	1
1205_1206	1205	1206	148.3125	19.4475	0.63	-0.117	-9.0135	649.1445	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1206_1206	1206	1206	-97.227	66.516	-0.4125	0.4965	4.065	-417.395	1
1206_1207	1206	1207	152.5245	22.8855	0.618	-0.192	-3.636	702.7335	1
1207_1207	1207	1207	-112.163	61.9065	-0.051	0.3225	0.3885	-528.066	1
1207_1208	1207	1208	154.926	25.893	0.132	0.0855	-2.0685	744.5805	1
1208_1208	1208	1208	-126.314	56.2125	-0.0285	0.273	-0.3645	-628.682	1
1208_1209	1208	1209	155.709	29.9775	0.1125	0.141	-0.795	774.7005	1
1209_1209	1209	1209	-137.459	50.6145	-0.0105	0.33	-0.801	-702.708	1
1209_1210	1209	1210	154.284	34.4835	0.099	0.066	0.291	787.257	1
1210_1210	1210	1210	-152.277	49.0605	0.0075	0.216	-0.906	-800.895	1
1210_1211	1210	1211	159.6735	37.053	0.03	0.144	0.639	843.5385	1
1211_1211	1211	1211	-157.499	44.907	0.021	0.0825	-0.8385	-828.06	1
1211_1212	1211	1212	157.926	40.803	0.015	0.285	0.783	841.5825	1
1212_1212	1212	1212	-161.057	40.9065	0.0255	0.138	-0.657	-840.621	1
1212_1213	1212	1213	155.235	44.8065	0.0105	0.24	0.8685	829.5465	1
1213_1213	1213	1213	-163.617	37.167	0.0225	0.3495	-0.4125	-842.783	1
1213_1214	1213	1214	150.7935	48.9495	0.0135	0.0075	0.939	802.185	1
1214_1214	1214	1214	-159.251	34.4985	0.1095	-0.0225	-0.093	-786.396	1
1214_1215	1214	1215	136.8255	50.6325	-0.0195	0.399	0.723	704.1825	1
1215_1215	1215	1215	-161.592	29.9985	0.114	0.183	1.0995	-773.423	1
1215_1216	1215	1216	126.6915	56.2185	-0.03	0.228	0.2265	629.556	1
1216_1216	1216	1216	-161.672	25.9155	0.135	0.12	2.412	-742.859	1
1216_1217	1216	1217	113.5845	61.9125	-0.054	0.2775	-0.5925	528.5835	1
1217_1217	1217	1217	-160.278	22.8105	0.6	-0.144	4.017	-700.725	1
1217_1218	1217	1218	99.8415	66.5085	-0.3915	0.489	-4.1505	417.747	1
1218_1218	1218	1218	-156.695	19.356	0.612	-0.06	9.273	-646.104	1
1218_1219	1218	1219	83.583	71.8005	-0.444	0.4485	-8.514	284.601	1
1219_1219	1219	1219	-148.416	15.732	0.6435	0.1305	15.1095	-531.674	1
1219_1220	1219	1220	54.66	76.9605	-0.5085	0.42	-14.8575	39.4485	1
1220_1220	1220	1220	58.701	93.9915	-0.384	1.2255	9.207	390.7575	1
1220_1221	1220	1221	40.488	9.666	0.024	0.096	1.2195	345.2805	1
1221_1221	1221	1221	36.909	87.816	-0.459	0.957	4.6695	25.089	1
1221_1222	1221	1222	41.559	10.1925	0.0165	0.312	1.5615	260.811	1
1222_1222	1222	1222	7.3335	82.257	0.18	1.179	-1.143	-278.451	1
1222_1223	1222	1223	36.4905	11.085	0.051	0.2415	2.3205	162.1215	1
1223_1223	1223	1223	-48.768	75.9975	0.1005	0.4875	0.9135	-571.112	1
1223_1224	1223	1224	117.327	14.745	-0.0855	0.0015	-2.3445	861.3645	1
1224_1224	1224	1224	-104.955	73.0635	0.0735	0.7635	2.1405	-871.248	1
1224_1225	1224	1225	147.5625	18.6	-0.042	-0.306	-2.6235	1047.653	1
1225_1225	1225	1225	-92.37	63.591	0.063	0.66	3.1455	-878.507	1
1225_1226	1225	1226	134.001	22.5615	-0.0465	0.093	-3.6645	1099.53	1
1226_1226	1226	1226	-139.116	58.959	0	1.08	4.2105	-1211.73	1
1226_1227	1226	1227	160.4445	28.2375	0	-0.333	-3.918	1310.856	1
1227_1227	1227	1227	-156.92	51.588	-0.0165	0.2295	4.188	-1340.57	1
1227_1228	1227	1228	167.8395	34.6905	0.015	0.492	-3.885	1379.588	1
1228_1228	1228	1228	-166.218	47.589	0.0135	0.693	3.96	-1407.15	1
1228_1229	1228	1229	172.566	38.607	-0.0045	0.0015	-3.9975	1425.902	1
1229_1229	1229	1229	-170.948	40.5045	0.0045	0.123	4.0815	-1438.74	1
1229_1230	1229	1230	169.368	45.687	0.0045	0.5625	-4.038	1414.458	1
1230_1230	1230	1230	-168.416	36.564	-0.0405	0.411	4.056	-1415.78	1
1230_1231	1230	1231	161.148	49.9305	0.033	0.2805	-3.7065	1365.221	1
1231_1231	1231	1231	-162.506	30.132	-0.0525	-0.1215	3.417	-1364.88	1
1231_1232	1231	1232	144.7395	57.27	0.048	0.8175	-3.135	1255.994	1
1232_1232	1232	1232	-159.788	27.6435	-0.1005	0.324	2.6685	-1334.82	1
1232_1233	1232	1233	136.866	61.836	0.093	0.3645	-2.157	1203.206	1
1233_1233	1233	1233	-144.183	22.401	-0.102	-0.129	1.611	-1209.77	1
1233_1234	1233	1234	105.5865	67.6665	0.111	0.8055	-0.759	984.72	1
1234_1234	1234	1234	-154.218	21	-0.1815	-0.642	0.78	-1298.24	1
1234_1235	1234	1235	128.046	74.409	0.216	1.0455	-0.2115	1167.128	1
1235_1235	1235	1235	-135.503	18.9345	0.2235	0.0045	0.4125	-1155.7	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1235_1236	1235	1236	86.5875	74.577	-0.2295	0.444	-1.767	932.6355	1
1236_1236	1236	1236	-109.206	15.3795	0.198	-0.1425	2.1705	-1008.23	1
1236_1237	1236	1237	45.972	78.6375	-0.2265	0.6015	-3.9135	665.1195	1
1237_1237	1237	1237	-80.445	14.544	0.273	-0.909	6.2415	-1099.41	1
1237_1238	1237	1238	31.743	83.8185	-0.336	1.8165	-7.629	803.577	1
1238_1238	1238	1238	-55.7475	14.5845	-1.191	-0.057	7.3065	-861.488	1
1238_1239	1238	1239	-11.865	79.0725	1.0575	1.0725	3.657	394.8705	1
1239_1239	1239	1239	-33.765	10.9455	-1.158	-0.051	-5.4975	-685.385	1
1239_1240	1239	1240	-33.4905	84.135	1.1445	0.945	16.8705	141.096	1
1240_1240	1240	1240	-15.558	16.194	1.9395	-3.087	-17.4375	-452.361	1
1240_1241	1240	1241	-45.186	78.7725	-2.169	4.809	-7.3845	-103.041	1
1241_1241	1241	1241	-85.7475	69.7815	0.696	3.294	11.79	-264.261	1
1241_1242	1241	1242	159.6945	25.356	-0.906	-2.9835	-23.6895	769.4535	1
1242_1242	1242	1242	-122.922	68.0505	0.6495	2.9445	16.7115	-606.3	1
1242_1243	1242	1243	173.2245	29.2725	-0.8565	-2.826	-24.672	920.466	1
1243_1243	1243	1243	-102.674	68.316	-0.9105	0.852	16.3395	-446.154	1
1243_1244	1243	1244	161.814	25.5885	1.134	0.0105	-13.983	837.078	1
1244_1244	1244	1244	-113.994	62.013	-0.738	0.5205	5.982	-552.995	1
1244_1245	1244	1245	159.5925	29.394	1.0905	0.444	-1.737	851.424	1
1245_1245	1245	1245	-130.97	57.0105	-0.159	0.813	-2.0775	-699.05	1
1245_1246	1245	1246	159.6885	33.102	0.2295	0.1635	1.4865	887.976	1
1246_1246	1246	1246	-142.373	50.9475	-0.1005	0.378	-3.7545	-787.043	1
1246_1247	1246	1247	155.649	37.911	0.177	0.636	3.8775	883.587	1
1247_1247	1247	1247	-153.764	46.56	-0.0315	0.5955	-4.4655	-867.365	1
1247_1248	1247	1248	154.077	42.1755	0.003	0.372	4.38	892.185	1
1248_1248	1248	1248	-156.89	40.539	-0.0105	0.3885	-4.332	-860.67	1
1248_1249	1248	1249	143.5605	47.4885	-0.0165	0.6045	4.518	810.6615	1
1249_1249	1249	1249	-163.845	35.745	0.6885	0.735	-3.771	-877.115	1
1249_1250	1249	1250	135.408	52.989	-0.534	0.3255	-0.6675	740.8965	1
1250_1250	1250	1250	-170.945	31.332	0.7155	0.099	3.7215	-894.197	1
1250_1251	1250	1251	128.199	59.4735	-0.666	0.876	-7.6125	669.465	1
1251_1251	1251	1251	-171.858	31.032	0.5355	0.5895	10.356	-849.431	1
1251_1252	1251	1252	115.3305	59.6055	-0.0285	0.354	-8.982	540.555	1
1252_1252	1252	1252	-172.673	25.9005	0.6945	0.195	16.7175	-800.073	1
1252_1253	1252	1253	97.896	65.7	-0.1755	0.627	-12.9165	358.131	1
1253_1253	1253	1253	-188.975	24.5505	0.6885	0.405	24.261	-919.455	1
1253_1254	1253	1254	128.0355	72.2715	-0.2865	0.348	-16.5705	578.4435	1
1254_1254	1254	1254	-181.689	27.7005	-0.6105	-5.2635	27.4785	-828.714	1
1254_1255	1254	1255	109.311	68.475	0.2235	4.695	-16.116	399.6735	1
1255_1255	1255	1255	33.717	88.809	-1.731	3.9015	14.7465	17.934	1
1255_1256	1255	1256	21.729	10.7445	1.0425	-2.103	0.714	510.324	1
1256_1256	1256	1256	20.8125	85.719	-1.7985	3.573	1.1475	-201.903	1
1256_1257	1256	1257	34.5315	13.29	1.1985	-1.9845	9.2055	660.54	1
1257_1257	1257	1257	17.352	89.0445	-0.057	1.05	-11.4315	-241.781	1
1257_1258	1257	1258	56.448	9.4665	0.0255	0.189	1.23	320.9805	1
1258_1258	1258	1258	-1.125	83.097	-0.1425	1.0995	-11.9895	-432.527	1
1258_1259	1258	1259	77.0385	12.015	-0.159	-0.0015	6.8535	937.953	1
1259_1259	1259	1259	-59.3895	78.5655	0.645	0.5775	-8.886	-709.235	1
1259_1260	1259	1260	128.3505	15.3525	-0.483	-0.1995	0.921	1041.885	1
1260_1260	1260	1260	-100.916	73.5195	0.6285	0.5115	-1.8195	-941.853	1
1260_1261	1260	1261	151.3185	19.6365	-0.537	-0.0825	-3.645	1186.34	1
1261_1261	1261	1261	-161.535	71.511	0.471	0.519	3.1695	-1206.85	1
1261_1262	1261	1262	184.9185	23.8095	-0.438	-0.1215	-4.1775	1305.057	1
1262_1262	1262	1262	-134.885	66.4695	-0.012	0.7875	4.77	-1049.67	1
1262_1263	1262	1263	171.747	24.183	0.009	-0.2775	-4.116	1227.107	1
1263_1263	1263	1263	-154.346	59.739	-0.0255	0.3855	4.6965	-1181.74	1
1263_1264	1263	1264	180.7455	29.199	0.018	0.129	-4.0545	1299.132	1
1264_1264	1264	1264	-173.085	55.5675	-0.015	0.663	4.428	-1307.18	1
1264_1265	1264	1265	190.9305	32.8365	0.006	-0.15	-4.11	1378.254	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1265_1265	1265	1265	-185.589	49.086	-0.03	0.168	4.242	-1391.29	1
1265_1266	1265	1266	195.1935	38.796	0.0195	0.336	-3.954	1417.847	1
1266_1266	1266	1266	-189.498	45.0615	-0.039	0.393	3.876	-1419.13	1
1266_1267	1266	1267	194.7465	42.5355	0.015	0.099	-3.7635	1425.915	1
1267_1267	1267	1267	-191.27	38.8905	-0.0525	0.0735	3.336	-1430.97	1
1267_1268	1267	1268	189.5145	49.0005	0.03	0.417	-3.351	1402.277	1
1268_1268	1268	1268	-179.564	34.071	-0.084	0.2655	2.6265	-1354.26	1
1268_1269	1268	1269	169.9905	53.19	0.0525	0.243	-2.496	1286.604	1
1269_1269	1269	1269	-175.611	28.5195	-0.0975	-0.147	1.425	-1323.3	1
1269_1270	1269	1270	156.6255	60.651	0.075	0.6465	-1.3425	1208.514	1
1270_1270	1270	1270	-170.624	25.2765	0.318	0.126	0.2985	-1284.51	1
1270_1271	1270	1271	146.0175	65.871	-0.3465	0.3405	-4.1625	1144.845	1
1271_1271	1271	1271	-151.299	20.649	0.2775	-0.129	2.9655	-1150.57	1
1271_1272	1271	1272	109.2915	71.0565	-0.3465	0.6045	-7.8825	914.0385	1
1272_1272	1272	1272	-143.703	19.1145	0.348	-0.5655	7.9215	-1290.74	1
1272_1273	1272	1273	112.209	77.5695	-0.462	1.1145	-12.3975	1112.376	1
1273_1273	1273	1273	-123.833	21.7575	-0.072	0.0405	8.565	-1138.41	1
1273_1274	1273	1274	75.5355	71.4825	0.24	0.507	-10.2945	883.875	1
1274_1274	1274	1274	-108.39	18.519	-0.042	-0.1935	7.4505	-1054.18	1
1274_1275	1274	1275	50.844	75.471	0.2265	0.732	-8.217	755.778	1
1275_1275	1275	1275	-82.0845	17.6355	-0.063	-1.2585	10.671	-1150.8	1
1275_1276	1275	1276	37.8405	79.7775	0.339	2.136	-10.9665	881.7645	1
1276_1276	1276	1276	-55.5765	17.2635	-2.0535	-0.159	9.96	-879.615	1
1276_1277	1276	1277	-11.1105	75.1155	2.1	1.0455	13.7355	427.9545	1
1277_1277	1277	1277	-30.9015	12.7245	-1.9155	0.042	-13.269	-675.393	1
1277_1278	1277	1278	-36.315	80.5845	2.172	0.564	42.198	134.5485	1
1278_1278	1278	1278	-14.7045	18.2205	3.105	-4.032	-35.328	-517.397	1
1278_1279	1278	1279	-38.4525	76.8165	-3.903	6.102	5.7495	94.053	1
1279_1279	1279	1279	-78.4995	69.6315	1.236	2.8995	-1.0605	-253.524	1
1279_1280	1279	1280	154.3455	26.433	-1.8315	-2.769	-16.0665	817.587	1
1280_1280	1280	1280	-107.171	66.6105	1.02	2.3655	8.601	-512.274	1
1280_1281	1280	1281	162.0225	29.949	-1.617	-2.4015	-22.959	895.6095	1
1281_1281	1281	1281	-86.8815	62.418	-0.735	0.8175	18.5655	-366.066	1
1281_1282	1281	1282	137.364	29.8575	1.746	-0.0795	-20.466	809.316	1
1282_1282	1282	1282	-104.595	55.332	-0.3255	0.3405	5.262	-533.192	1
1282_1283	1282	1283	132.1725	35.268	1.518	0.5475	-0.3375	799.509	1
1283_1283	1283	1283	-119.003	50.9565	-0.0495	0.831	1.236	-642.612	1
1283_1284	1283	1284	126.6315	36.783	0.009	0.171	-0.549	777.8235	1
1284_1284	1284	1284	-137.547	44.511	0.0105	0.1545	0.321	-784.956	1
1284_1285	1284	1285	125.685	43.569	-0.0405	0.8445	-1.1745	786.282	1
1285_1285	1285	1285	-147.455	41.2635	0.294	0.843	0.015	-816.905	1
1285_1286	1285	1286	120.4005	46.503	0.189	0.171	0.942	728.3055	1
1286_1286	1286	1286	-160.197	35.6535	0.4665	0.165	3.918	-872.577	1
1286_1287	1286	1287	116.9505	53.346	0.021	0.747	-0.03	671.775	1
1287_1287	1287	1287	-166.433	32.6235	0.6825	0.828	10.593	-825.879	1
1287_1288	1287	1288	101.2365	56.28	-0.1815	0.246	-4.584	468.6945	1
1288_1288	1288	1288	-179.75	27.654	0.885	0.036	22.05	-873.939	1
1288_1289	1288	1289	99	64.389	-0.3915	0.7305	-13.371	379.8255	1
1289_1289	1289	1289	-195.018	28.77	-1.506	-1.47	33.162	-1004.4	1
1289_1290	1289	1290	124.7625	68.1615	0.729	1.4985	-15.4605	584.6145	1
1290_1290	1290	1290	-191.433	24.9795	-1.6605	-2.019	30.2895	-894.357	1
1290_1291	1290	1291	98.3415	70.5345	0.807	1.983	-10.0005	255.5505	1
1291_1291	1291	1291	9.714	93.6225	-3.2775	5.379	-4.0575	-201.293	1
1291_1292	1291	1292	23.9925	10.1145	1.992	-3.1125	22.0155	593.595	1
1292_1292	1292	1292	4.9545	95.373	1.146	1.323	-27.399	-255.695	1
1292_1293	1292	1293	39.291	6.2145	-1.2225	-0.3555	7.995	765.891	1
1293_1293	1293	1293	-29.3295	90.48	1.0455	0.663	-12.576	-764.969	1
1293_1294	1293	1294	66.765	9.645	-1.2615	0.435	-4.3005	1096.845	1
1294_1294	1294	1294	-70.899	87.6285	0.228	2.7	-1.2285	-1268.25	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1294_1295	1294	1295	92.2035	13.2945	-0.045	-1.6245	-3.12	1413.086	1
1295_1295	1295	1295	-109.874	83.589	0.1545	0.4875	0.36	-1372.64	1
1295_1296	1295	1296	125.3715	15.6315	-0.0465	0.0225	-2.043	1464.711	1
1296_1296	1296	1296	-127.185	79.1895	0.1605	0.273	1.653	-1522.69	1
1296_1297	1296	1297	137.0535	18.5205	-0.0675	0.2805	-2.3805	1599.384	1
1297_1297	1297	1297	-160.166	79.8825	0.0375	1.6395	3.2085	-1885.17	1
1297_1298	1297	1298	159.4725	19.581	-0.084	-0.999	-2.7105	1853.583	1
1298_1298	1298	1298	-132.774	76.2465	0.024	1.9335	5.592	-2002.22	1
1298_1299	1298	1299	136.1685	21.348	-0.123	-0.8955	-5.2455	2017.232	1
1299_1299	1299	1299	-139.97	70.101	-0.024	-0.063	6.048	-2105.93	1
1299_1300	1299	1300	143.2875	24.8745	-0.1005	1.0755	-6.4515	2123.784	1
1300_1300	1300	1300	-154.419	66.552	-0.141	2.4645	5.874	-2308.32	1
1300_1301	1300	1301	156.8925	27.42	0.0795	-1.2705	-5.1585	2321.885	1
1301_1301	1301	1301	-173.981	60.558	-0.1665	-0.7095	3.999	-2579.12	1
1301_1302	1301	1302	173.2665	33.4485	0.117	1.662	-3.426	2557.059	1
1302_1302	1302	1302	-177.152	57.1635	-0.1005	2.5305	2.304	-2620.72	1
1302_1303	1302	1303	179.517	35.3865	0.051	-1.4115	-2.166	2649.066	1
1303_1303	1303	1303	-189.125	51.1215	-0.129	-1.5255	1.026	-2782.2	1
1303_1304	1303	1304	191.478	42.009	0.0855	2.5365	-0.63	2819.096	1
1304_1304	1304	1304	-183.246	47.91	-0.129	1.8705	-0.069	-2693.1	1
1304_1305	1304	1305	190.4055	43.62	0.0945	-0.951	1.1565	2806.196	1
1305_1305	1305	1305	-182.9	41.3745	-0.1485	-1.4685	-1.443	-2678.71	1
1305_1306	1305	1306	192.885	50.391	0.123	2.5335	3.0435	2840.607	1
1306_1306	1306	1306	-170.975	38.43	-0.141	1.2705	-2.514	-2500.63	1
1306_1307	1306	1307	187.587	52.0305	0.129	-0.519	4.98	2765.316	1
1307_1307	1307	1307	-152.841	30.6525	-0.1485	-1.239	-3.378	-2231.9	1
1307_1308	1307	1308	175.02	58.5525	0.1485	2.4285	6.9975	2587.035	1
1308_1308	1308	1308	-129.27	25.953	-0.1365	0.6765	-4.0245	-1884.37	1
1308_1309	1308	1309	161.1825	61.5105	0.096	0.012	8.2035	2388.128	1
1309_1309	1309	1309	-97.4415	17.5305	-0.132	-1.1355	-4.1235	-1417.26	1
1309_1310	1309	1310	138.2775	68.811	0.1245	2.775	9.5595	2061.009	1
1310_1310	1310	1310	-59.403	10.7535	0.108	0.087	-3.5505	-863.628	1
1310_1311	1310	1311	107.2635	73.692	-0.342	0.8025	4.9665	1618.137	1
1311_1311	1311	1311	9.294	9.126	-0.135	0.528	6.858	180.504	1
1311_1312	1311	1312	66.8565	82.314	-0.291	2.535	1.0125	1040.757	1
1312_1312	1312	1312	2.9025	8.766	-0.2715	0.5835	4.884	93.2655	1
1312_1313	1312	1313	-9.534	90.687	-0.063	1.425	0	-39.1185	1
1400_1020	1400	1020	62.1945	3.282	-4.113	-0.1905	63.5175	297.8325	1
1400_1401	1400	1401	-76.566	31.9365	-21.483	-1.3425	67.6275	876.5385	1
1401_1401	1401	1401	59.2365	3.486	-3.0405	0.9435	43.929	277.4505	1
1401_1402	1401	1402	-75.819	30.651	-5.3775	1.488	48.1545	769.7685	1
1402_1402	1402	1402	75.7095	5.1375	-4.059	-0.114	43.7265	300.3975	1
1402_1403	1402	1403	-76.5285	28.812	-5.4345	-0.318	-11.3475	455.205	1
1403_1403	1403	1403	87.5655	7.7415	-0.1005	0.204	-0.9555	257.5935	1
1403_1404	1403	1404	-72.204	25.6755	0.666	0.1815	-5.0175	262.686	1
1404_1404	1404	1404	95.6865	9.891	-0.12	0.393	-2.133	211.488	1
1404_1405	1404	1405	-72.7785	23.988	0.7035	0.456	0.1215	89.64	1
1405_1405	1405	1405	109.9815	13.71	0.267	0.3495	-2.9265	147.768	1
1405_1406	1405	1406	-70.926	20.9715	0.0645	0.357	1.5525	-215.406	1
1406_1406	1406	1406	119.7315	17.9055	1.7115	0.4635	1.155	-45.7905	1
1406_1407	1406	1407	-69.033	18.264	0.0975	0.321	2.556	-385.679	1
1407_1407	1407	1407	121.6545	20.4225	1.6125	0.024	15.9975	-200.31	1
1407_1408	1407	1408	-69.4005	16.8135	0.1305	0.0645	3.1935	-479.12	1
1408_1408	1408	1408	-34.1505	0.2925	1.9545	-1.4325	-19.5285	112.35	1
1408_1409	1408	1409	-66.6855	30.966	-1.515	0.2325	0.4575	-541.241	1
1409_1409	1409	1409	70.2495	30.99	-1.617	0.3345	-2.208	528.846	1
1409_1410	1409	1410	41.559	0.573	-0.9465	-1.9005	15.687	-139.43	1
1410_1410	1410	1410	69.804	16.4955	0.21	-0.237	-3.309	480.327	1
1410_1411	1410	1411	-137.01	21.2355	-0.6765	-0.2895	5.5905	200.307	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1411_1411	1411	1411	70.0065	17.9565	0.123	0.483	-2.658	385.8075	1
1411_1412	1411	1412	-133.968	18.402	-0.3675	-0.051	1.5345	40.3275	1
1412_1412	1412	1412	71.0835	20.685	0.072	0.3315	-1.248	222.969	1
1412_1413	1412	1413	-138.131	13.8105	-0.033	-0.138	-0.2685	-156.098	1
1413_1413	1413	1413	74.5185	23.7285	0.489	0.2835	0.348	-83.604	1
1413_1414	1413	1414	-137.541	9.441	0.516	-0.2475	2.4555	-218.166	1
1414_1414	1414	1414	74.952	25.479	0.5385	0.3675	3.903	-257.201	1
1414_1415	1414	1415	-126.791	6.3255	0.447	-0.147	5.976	-253.844	1
1415_1415	1415	1415	80.148	28.5705	-5.7645	1.7445	9.372	-445.715	1
1415_1416	1415	1416	-106.724	2.766	3.21	0.642	40.755	-250.868	1
1416_1416	1416	1416	79.3935	30.4575	-6.516	-4.9845	-51.417	-758.015	1
1416_1417	1416	1417	-49.6875	0.813	-3.6045	-0.2865	-55.821	-152.424	1
1417_1417	1417	1417	80.19	31.5885	-21.435	-1.524	-75.3225	-863.325	1
1417_1036	1417	1036	-48.4695	0.645	-4.1745	-0.2955	-72.249	-151.587	1
1420_1056	1420	1056	48.75	1.6635	-2.7825	-0.1245	45.2835	198.453	1
1420_1421	1420	1421	-83.0565	30.1365	-20.9265	-1.1145	45.3225	792.576	1
1421_1421	1421	1421	48.6555	1.8345	-2.4135	0.5175	33.2475	191.6415	1
1421_1422	1421	1422	-82.0125	28.7775	-3.825	0.426	31.104	693.276	1
1422_1422	1422	1422	62.43	3.165	-3.2295	0.003	32.301	214.983	1
1422_1423	1422	1423	-82.668	26.823	-3.792	-0.003	-10.224	400.296	1
1423_1423	1423	1423	79.4085	5.4705	0.2265	0.141	-4.0695	202.371	1
1423_1424	1423	1424	-77.151	23.5545	0.6495	0.1245	-3.9675	227.1915	1
1424_1424	1424	1424	86.409	7.3455	0.183	0.3885	-2.739	170.937	1
1424_1425	1424	1425	-76.8285	21.792	0.708	0.4395	1.317	67.959	1
1425_1425	1425	1425	127.41	11.304	0.0105	-0.1425	-0.4695	136.209	1
1425_1426	1425	1426	-73.9605	18.627	-0.0885	0.2985	0.492	-207.252	1
1426_1426	1426	1426	123.234	15.507	0.222	-0.0375	-1.5975	-23.9325	1
1426_1427	1426	1427	-73.161	15.7845	0.1275	0.4515	1.9755	-350.061	1
1427_1427	1427	1427	126.252	18.1335	-0.111	-0.348	-0.4335	-158.318	1
1427_1428	1427	1428	-73.4745	14.253	0.2565	-0.264	3.099	-429.258	1
1428_1428	1428	1428	-36.7665	0.954	-1.305	-2.2875	-15.3945	112.1355	1
1428_1429	1428	1429	-69.7185	29.3025	-1.1175	0.3135	1.371	-502.25	1
1429_1429	1429	1429	70.1505	29.313	-1.26	0.381	-2.445	501.753	1
1429_1430	1429	1430	34.7025	1.2195	-0.2475	-2.034	16.5015	-101.004	1
1430_1430	1430	1430	73.911	14.1705	0.306	-0.156	-4.6125	428.709	1
1430_1431	1430	1431	-126.387	17.667	-0.45	-0.249	3.528	151.071	1
1431_1431	1431	1431	73.6005	15.705	0.21	0.4065	-3.135	349.974	1
1431_1432	1431	1432	-123.018	15.0615	-0.174	-0.093	1.1235	21.0345	1
1432_1432	1432	1432	74.5965	18.537	-0.069	0.297	-0.7665	207.912	1
1432_1433	1432	1433	-99.3465	11.172	-0.078	0.3165	1.497	-125.39	1
1433_1433	1433	1433	77.7495	21.7035	0.729	0.5205	-1.272	-65.9595	1
1433_1434	1433	1434	-85.6725	7.7265	0.1425	0.4575	2.7	-173.964	1
1434_1434	1434	1434	78.0975	23.5215	0.6165	0.0345	4.221	-224.525	1
1434_1435	1434	1435	-79.4865	5.8305	0.252	0.081	4.2945	-208.878	1
1435_1435	1435	1435	83.76	26.8365	-3.7815	0.1995	10.242	-397.656	1
1435_1436	1435	1436	-64.551	3.5565	-3.594	0.0615	-35.892	-229.601	1
1436_1436	1436	1436	83.1015	28.794	-3.9135	-0.2865	-30.732	-690.885	1
1436_1437	1436	1437	-49.869	2.22	-2.6145	0.36	-36.5625	-206.423	1
1437_1437	1437	1437	83.8275	30.3285	-20.856	-1.0875	-45.7755	-790.145	1
1437_1072	1437	1072	-48.8955	2.061	-3.0015	-0.1305	-48.8055	-212.162	1
1440_1094	1440	1094	40.9485	1.9215	-2.7915	-0.1125	32.67	187.518	1
1440_1441	1440	1441	-84.7215	29.601	-20.202	-1.248	31.929	767.6835	1
1441_1441	1441	1441	40.875	2.0805	-1.5765	0.426	20.862	179.643	1
1441_1442	1441	1442	-84.7065	28.227	-2.8845	0.5385	22.257	669.1785	1
1442_1442	1442	1442	54.8325	3.2535	-2.2935	0.057	21.8835	203.133	1
1442_1443	1442	1443	-84.2475	26.2065	-2.8245	-0.006	-9.126	383.4945	1
1443_1443	1443	1443	70.248	5.376	0.2205	0.267	-3.903	186.5265	1
1443_1444	1443	1444	-78.1005	22.8585	0.6075	0.324	-2.9865	215.4645	1
1444_1444	1444	1444	122.817	7.14	-0.0705	-0.2655	1.0095	177.963	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1444_1445	1444	1445	-78.5955	21.0705	0.597	0.3615	1.32	63.468	1
1445_1445	1445	1445	127.197	11.127	0.051	-0.1785	-0.7995	134.9325	1
1445_1446	1445	1446	-75.012	17.874	-0.0945	0.351	0.417	-201.905	1
1446_1446	1446	1446	126.486	15.4335	0.111	-0.1035	-1.3305	-20.6565	1
1446_1447	1446	1447	-73.9335	14.997	-0.06	0.4155	0.3675	-338.136	1
1447_1447	1447	1447	128.2155	18.0465	-0.126	-0.3255	-0.765	-155.163	1
1447_1448	1447	1448	-73.776	13.479	0.0285	-0.099	0.1935	-415.271	1
1448_1448	1448	1448	-37.851	1.2165	-0.2115	-2.856	-15.27	113.319	1
1448_1449	1448	1449	-73.935	28.7235	-1.302	-0.234	-1.7565	-466.523	1
1449_1449	1449	1449	69.78	28.5975	-1.0515	0.114	-0.285	485.436	1
1449_1450	1449	1450	37.6485	1.008	2.175	-2.8815	22.254	-112.707	1
1450_1450	1450	1450	73.4745	13.56	0.042	0.2745	-1.719	413.358	1
1450_1451	1450	1451	-112.851	17.2725	2.2035	0.1545	-16.7715	157.8915	1
1451_1451	1451	1451	73.1805	15.0675	0.063	0.201	-1.4325	337.9695	1
1451_1452	1451	1452	-110.931	14.961	2.1795	0.4455	2.445	28.7265	1
1452_1452	1452	1452	74.0865	17.904	-0.0915	0.3525	-0.4545	201.0225	1
1452_1453	1452	1453	-100.074	11.04	-0.1245	0.375	0.7065	-124.947	1
1453_1453	1453	1453	77.298	21.09	0.6045	0.384	-1.2915	-65.0775	1
1453_1454	1453	1454	-85.239	7.548	0.2745	0.363	2.853	-170.921	1
1454_1454	1454	1454	76.8195	22.7805	0.5985	0.2985	3.0795	-217.224	1
1454_1455	1454	1455	-78.1395	5.7195	0.2385	0.27	4.2285	-203.312	1
1455_1455	1455	1455	82.539	26.184	-2.7525	0.1305	9.12	-384.747	1
1455_1456	1455	1456	-62.7735	3.261	-2.652	0.1005	-25.488	-219.623	1
1456_1456	1456	1456	81.9	28.1145	-2.8185	0.0315	-20.841	-671.298	1
1456_1457	1456	1457	-49.023	1.947	-1.98	0.3885	-26.688	-196.509	1
1457_1457	1457	1457	82.779	29.604	-20.13	-1.2195	-31.368	-768.657	1
1457_1110	1457	1110	-49.1325	1.7805	-2.64	-0.129	-38.2335	-203.789	1
1460_1132	1460	1132	33.303	4.9785	-2.3355	-0.1485	31.047	228.594	1
1460_1461	1460	1461	-97.6605	33.0075	-18.9855	-1.2915	32.754	820.305	1
1461_1461	1461	1461	33.204	5.0505	-1.662	0.5535	20.9385	208.212	1
1461_1462	1461	1462	-95.778	31.38	-2.6205	1.0815	23.046	714.498	1
1462_1462	1462	1462	39.282	5.9085	-1.9665	0.015	18.0405	200.898	1
1462_1463	1462	1463	-88.899	29.118	-2.475	-0.1395	-6.237	405.081	1
1463_1463	1463	1463	47.217	7.1175	0.255	0.306	-4.752	143.859	1
1463_1464	1463	1464	-87.117	24.8985	0.723	0.615	-2.2455	226.533	1
1464_1464	1464	1464	50.667	8.2455	0.4365	0.114	-3.258	95.97	1
1464_1465	1464	1465	-81.132	22.9575	0.471	-0.0105	1.077	59.7465	1
1465_1465	1465	1465	158.9835	10.9365	-0.0285	-0.087	-0.6615	207.381	1
1465_1466	1465	1466	-79.155	19.485	-0.0375	0.369	1.056	-222.092	1
1466_1466	1466	1466	161.9475	16.5405	0.9885	-0.078	-2.4045	56.7825	1
1466_1467	1466	1467	-73.626	16.533	-0.0075	-0.024	1.236	-373.736	1
1467_1467	1467	1467	165.744	19.902	1.3245	-0.0495	6.414	-84.8625	1
1467_1468	1467	1468	-72.8355	15.0375	-0.105	0.6465	1.158	-458.415	1
1468_1468	1468	1468	-52.4295	3.6795	0.039	-1.0185	-7.7475	86.1975	1
1468_1469	1468	1469	-94.4775	31.56	-2.115	0.6465	-11.7705	-475.158	1
1469_1469	1469	1469	82.305	31.317	-1.8585	0.8295	9.2415	511.068	1
1469_1470	1469	1470	41.6985	3.5235	-0.546	-0.6675	5.067	-48.492	1
1470_1470	1470	1470	72.672	15.4815	-0.1095	0.4635	-0.102	459.993	1
1470_1471	1470	1471	-89.136	18.432	-0.3615	0.4365	3.5145	257.5965	1
1471_1471	1471	1471	72.339	16.974	-0.042	0.09	-0.5355	373.938	1
1471_1472	1471	1472	-88.2165	16.614	-0.4395	0.0945	-0.4305	112.569	1
1472_1472	1472	1472	76.3695	19.965	-0.1005	0.3735	-0.597	219.0765	1
1472_1473	1472	1473	-81.1545	13.3785	0.066	0.285	0.51	-75.8475	1
1473_1473	1473	1473	82.2855	23.259	0.663	0.411	-1.614	-71.9985	1
1473_1474	1473	1474	-73.8885	10.5105	0.264	0.3075	2.286	-148.143	1
1474_1474	1474	1474	81.7395	25.1295	0.6555	0.312	3.1905	-239.753	1
1474_1475	1474	1475	-68.1915	8.8785	0.234	0.228	3.702	-206.397	1
1475_1475	1475	1475	89.2905	28.662	-2.772	-0.1185	9.243	-416.286	1
1475_1476	1475	1476	-60.459	6.753	-2.1495	0.0105	-20.337	-271.245	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1476_1476	1476	1476	90.474	30.813	-2.7645	0.9165	-21.6	-726.767	1
1476_1477	1476	1477	-53.805	5.367	-1.908	0.6255	-24.5745	-277.289	1
1477_1477	1477	1477	92.2065	32.256	-21.7215	-1.3035	-31.2975	-831.53	1
1477_1148	1477	1148	-53.931	5.1945	-2.2215	-0.153	-34.4265	-298.575	1
1480_1168	1480	1168	45.8115	3.927	-2.3265	-0.174	30.72	237.204	1
1480_1481	1480	1481	-93.3525	32.469	-22.746	-1.4835	28.9275	835.1925	1
1481_1481	1481	1481	45.696	4.104	-1.725	0.8835	20.931	221.0895	1
1481_1482	1481	1482	-92.115	30.981	-2.5635	2.1945	20.8965	730.494	1
1482_1482	1482	1482	50.556	5.247	-1.773	-0.111	16.3845	215.295	1
1482_1483	1482	1483	-86.0325	28.8375	-2.6265	-0.5595	-10.0845	422.979	1
1483_1483	1483	1483	60.1155	7.017	0.201	0.201	-3.5505	167.802	1
1483_1484	1483	1484	-82.698	25.3005	0.7335	0.3135	-3.765	241.23	1
1484_1484	1484	1484	63.7755	8.454	0.234	0.2445	-2.2905	120.8385	1
1484_1485	1484	1485	-77.604	23.4285	0.681	0.3435	1.395	69.3045	1
1485_1485	1485	1485	72.6735	11.046	0.126	0.243	-0.627	64.539	1
1485_1486	1485	1486	-75.363	20.151	-0.069	0.363	0.87	-222.507	1
1486_1486	1486	1486	78.2205	13.9665	-0.543	0.0075	1.2465	-92.2815	1
1486_1487	1486	1487	-71.745	17.238	0.0435	-0.018	1.512	-379.356	1
1487_1487	1487	1487	143.997	16.8195	1.197	-0.033	5.6535	-62.715	1
1487_1488	1487	1488	-70.8855	15.78	-0.0435	0.657	1.8225	-468.638	1
1488_1488	1488	1488	-46.065	3.393	-1.023	-0.84	-7.5915	65.19	1
1488_1489	1488	1489	-81.7995	31.203	-2.328	0.9915	-10.3215	-509.582	1
1489_1489	1489	1489	84.819	31.614	-2.388	0.9285	11.5545	511.851	1
1489_1490	1489	1490	46.569	3.549	-0.2295	-1.065	8.3865	-70.9935	1
1490_1490	1490	1490	72.4275	15.7185	-0.0555	0.45	-0.636	470.325	1
1490_1491	1490	1491	-148.544	16.9305	1.158	-0.0855	-6.3825	61.5225	1
1491_1491	1491	1491	72.0885	17.205	0.012	0.072	-0.762	382.9575	1
1491_1492	1491	1492	-147.957	13.872	0.9975	-0.0165	2.4675	-60.42	1
1492_1492	1492	1492	77.385	20.1705	-0.105	0.3585	-0.4755	225.0345	1
1492_1493	1492	1493	-65.5575	11.0235	0.1095	0.2265	0.408	-52.5735	1
1493_1493	1493	1493	79.7295	23.5275	0.636	0.3795	-1.545	-66.9675	1
1493_1494	1493	1494	-56.418	8.688	0.1965	0.2415	1.827	-109.848	1
1494_1494	1494	1494	85.1985	25.461	0.6675	0.2925	3.3075	-239.262	1
1494_1495	1494	1495	-52.827	7.41	0.18	0.1755	2.937	-159.323	1
1495_1495	1495	1495	88.8045	29.0145	-2.6145	0.036	8.982	-422.135	1
1495_1496	1495	1496	-43.9575	5.8365	-1.4655	0.0675	-13.6125	-214.356	1
1496_1496	1496	1496	95.1945	31.257	-2.823	0.4005	-21.1575	-731.66	1
1496_1497	1496	1497	-37.5705	4.875	-1.1715	0.291	-15.1965	-219.777	1
1497_1497	1497	1497	97.3245	32.622	-22.6035	-1.4085	-31.0605	-837.333	1
1497_1184	1497	1184	-37.6125	4.734	-2.529	-0.1215	-25.8405	-239.171	1
1500_1204	1500	1204	43.8225	1.4835	-2.9835	-0.183	36.2115	178.371	1
1500_1501	1500	1501	-83.5965	32.709	-20.658	-1.959	44.823	877.6995	1
1501_1501	1501	1501	43.7565	1.629	-1.6695	0.384	23.796	172.3185	1
1501_1502	1501	1502	-84.1155	31.2315	-3.9435	0.2775	31.068	768.8175	1
1502_1502	1502	1502	58.545	2.8995	-2.367	0.0735	24.1785	199.6095	1
1502_1503	1502	1503	-84.846	29.1825	-3.891	0.051	-11.244	450.351	1
1503_1503	1503	1503	76.515	5.1015	0.0075	0.2805	-2.3775	189.3675	1
1503_1504	1503	1504	-78.6525	25.968	0.717	0.3975	-4.764	258.4785	1
1504_1504	1504	1504	85.1565	7.011	0.06	0.345	-2.808	163.1205	1
1504_1505	1504	1505	-78.3645	24.1365	0.6975	0.462	0.351	81.933	1
1505_1505	1505	1505	125.085	10.9185	0.051	-0.1485	-0.411	137.0805	1
1505_1506	1505	1506	-74.9505	21.0225	0.03	0.4725	1.224	-229.397	1
1506_1506	1506	1506	124.3185	15.159	-0.441	-0.1125	-0.8985	-14.988	1
1506_1507	1506	1507	-73.827	18.177	0.237	0.492	3.7035	-393.873	1
1507_1507	1507	1507	123.9795	17.712	-0.5775	-0.1665	-4.881	-149.228	1
1507_1508	1507	1508	-74.184	16.656	0.3045	0.009	5.22	-486.452	1
1508_1508	1508	1508	-42.522	1.542	2.8245	-3.15	-26.5065	116.7105	1
1508_1509	1508	1509	-69.462	31.7745	-1.5525	0.645	2.493	-564.881	1
1509_1509	1509	1509	73.7355	31.9965	-1.935	0.672	-2.619	546.006	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1509_1510	1509	1510	42.6645	1.6575	-1.2015	-3.336	15.0525	-117.252	1
1510_1510	1510	1510	74.943	16.668	0.3705	-0.216	-4.782	487.446	1
1510_1511	1510	1511	-134.342	18.1035	-0.639	-0.252	4.8135	142.158	1
1511_1511	1511	1511	74.586	18.204	0.243	0.5925	-3.057	394.7985	1
1511_1512	1511	1512	-130.398	15.4005	-0.279	-0.06	1.371	10.2705	1
1512_1512	1512	1512	75.813	21.0705	-0.036	0.4635	-0.4785	230.2425	1
1512_1513	1512	1513	-134.091	10.923	-0.024	-0.1395	-0.111	-143.33	1
1513_1513	1513	1513	80.5305	24.243	0.6555	0.513	-0.579	-83.8575	1
1513_1514	1513	1514	-81.573	7.1775	0.0885	0.3705	2.4525	-161.825	1
1514_1514	1514	1514	79.95	26.1075	0.645	0.3795	4.173	-258.716	1
1514_1515	1514	1515	-74.154	5.379	0.063	0.27	2.5185	-191.514	1
1515_1515	1515	1515	87.0225	29.331	-3.843	-0.1725	10.2075	-451.667	1
1515_1516	1515	1516	-56.631	3.2415	-2.043	0.0435	-20.451	-207.515	1
1516_1516	1516	1516	86.2935	31.4325	-3.789	1.1295	-31.8705	-771.746	1
1516_1517	1516	1517	-43.836	2.0325	-1.437	0.519	-19.5885	-186.476	1
1517_1517	1517	1517	87.8445	32.628	-20.745	-1.9035	-45.6945	-880.739	1
1517_1220	1517	1220	-43.797	1.863	-4.2735	-0.171	-37.131	-194.121	1
1520_1241	1520	1241	56.736	2.6505	-2.763	-2.679	21.033	240.6255	1
1520_1521	1520	1521	-103.479	36.699	-6.2775	-6.4725	12.2595	954.765	1
1521_1521	1521	1521	52.1145	2.5305	-0.408	-0.345	9.048	220.4775	1
1521_1522	1521	1522	-99.813	34.7355	-1.3515	-2.439	5.8425	836.382	1
1522_1522	1522	1522	67.299	3.9405	-0.8355	0.3165	10.182	244.965	1
1522_1523	1522	1523	-100.613	32.361	-1.011	0.543	-4.338	483.1305	1
1523_1523	1523	1523	84.0495	6.237	-0.2895	0.2205	1.833	220.7085	1
1523_1524	1523	1524	-97.4295	28.623	0.318	0.225	-1.281	271.221	1
1524_1524	1524	1524	89.6235	8.2665	-0.4575	0.5685	-0.207	183.21	1
1524_1525	1524	1525	-98.067	26.3535	0.4755	0.738	2.3295	81.135	1
1525_1525	1525	1525	128.349	12.4335	0.0735	-0.2385	-3.3225	141.855	1
1525_1526	1525	1526	-94.068	22.665	0.3885	0.624	8.589	-255.431	1
1526_1526	1526	1526	130.266	17.118	-3.813	-0.264	-4.509	-31.3155	1
1526_1527	1526	1527	-92.3535	19.164	0.4545	0.9	12.717	-427.302	1
1527_1527	1527	1527	129.8745	19.818	-4.0785	0.183	-38.4585	-182.964	1
1527_1528	1527	1528	-92.7315	17.241	0.6165	-0.18	15.786	-523.151	1
1528_1528	1528	1528	-42.51	0.846	4.4865	-5.199	-53.5695	123.4245	1
1528_1529	1528	1529	-86.346	36.1095	-3.2175	2.331	15.7575	-603.977	1
1529_1529	1529	1529	90.9885	36.4305	-1.245	-1.5705	12.6885	606.3975	1
1529_1530	1529	1530	42.8565	1.2105	-1.476	-5.316	35.8785	-123.15	1
1530_1530	1530	1530	93.306	17.397	0.1485	-0.045	2.9325	528.009	1
1530_1531	1530	1531	-143.36	19.563	3.189	-0.93	-31.0695	154.674	1
1531_1531	1531	1531	93.9915	19.3155	-0.0525	0.4575	4.185	426.6825	1
1531_1532	1531	1532	-139.829	16.6845	3.405	-0.078	-1.3275	10.788	1
1532_1532	1532	1532	95.229	22.8375	-0.672	0.537	3.6135	255.1905	1
1532_1533	1532	1533	-97.068	12.7395	-0.4575	0.555	-5.5305	-139.971	1
1533_1533	1533	1533	100.3065	26.64	-0.615	0.6375	-6.5535	-85.1625	1
1533_1534	1533	1534	-86.316	9.3645	-0.4995	0.5385	-8.682	-202.979	1
1534_1534	1534	1534	102.651	28.971	-0.7065	0.6975	-11.448	-282.237	1
1534_1535	1534	1535	-78.36	7.4265	-0.405	0.525	-10.9485	-245.256	1
1535_1535	1535	1535	103.266	32.658	-1.803	0.5385	-15.7755	-491.001	1
1535_1536	1535	1536	-69.1125	5.0835	-0.8655	0.378	-19.6275	-293.022	1
1536_1536	1536	1536	108.285	35.2485	-2.1	-0.168	-37.0215	-847.833	1
1536_1537	1536	1537	-56.8695	3.567	-0.4005	0.177	-15.6255	-276.86	1
1537_1537	1537	1537	108.561	36.522	-4.137	-4.788	-44.4615	-971.84	1
1537_1255	1537	1255	-57.207	3.501	-3.063	-2.2845	-28.7055	-293.868	1
1540_1279	1540	1279	78.303	2.31	3.711	2.604	1.0515	288.174	1
1540_1541	1540	1541	-97.014	36.5715	-8.4135	-7.593	-14.5005	968.5845	1
1541_1541	1541	1541	92.157	3.1665	-1.368	-0.642	18.216	305.277	1
1541_1542	1541	1542	-100.601	34.5405	-0.243	-2.1195	-14.754	849.9615	1
1542_1542	1542	1542	110.478	5.628	-1.884	-0.4425	17.208	326.9295	1
1542_1543	1542	1543	-97.4955	32.118	-0.156	-0.0075	-13.917	489.825	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1543_1543	1543	1543	112.7955	8.397	0.4605	-0.828	-4.407	278.418	1
1543_1544	1543	1544	-97.0125	28.6605	0.7275	-0.2745	-7.83	282.7785	1
1544_1544	1544	1544	123.2295	11.1915	-0.066	0.054	-0.558	225.9345	1
1544_1545	1544	1545	-97.656	26.373	1.089	1.068	0.4245	92.697	1
1545_1545	1545	1545	124.1055	15.15	-0.6645	-0.183	-2.484	148.569	1
1545_1546	1545	1546	-94.326	22.8435	0.7845	0.726	12.8415	-250.446	1
1546_1546	1546	1546	124.0875	20.4105	-7.4805	-0.285	-14.4915	-67.557	1
1546_1547	1546	1547	-93.0795	19.443	0.3135	1.0305	15.789	-422.043	1
1547_1547	1547	1547	127.998	22.9035	-7.8555	0.972	-82.965	-244.412	1
1547_1548	1547	1548	-93.45	17.568	0.4425	0.078	17.9745	-519.803	1
1548_1548	1548	1548	40.041	1.0935	4.791	-5.0685	-53.2935	-198.234	1
1548_1549	1548	1549	-84.8535	36.7395	-3.234	3.453	17.598	-615.072	1
1549_1549	1549	1549	102.3495	38.559	-0.672	-5.967	39.696	595.3815	1
1549_1550	1549	1550	-59.583	2.619	-2.418	-8.973	50.88	278.7045	1
1550_1550	1550	1550	98.8695	16.779	-0.5265	0.027	19.404	530.7465	1
1550_1551	1550	1551	-102.401	22.563	-5.547	1.2255	57.5955	229.7805	1
1551_1551	1551	1551	98.4555	19.0575	-0.6465	0.2265	16.1565	435.7935	1
1551_1552	1551	1552	-100.254	20.2395	-5.301	0.186	12.0855	65.3895	1
1552_1552	1552	1552	103.8135	23.2095	-1.3185	0.63	10.5375	263.448	1
1552_1553	1552	1553	-91.158	16.6995	-1.8075	0.7125	-13.2225	-163.401	1
1553_1553	1553	1553	110.112	27.543	-1.0905	0.864	-9.213	-73.2915	1
1553_1554	1553	1554	-81.6375	13.323	-0.723	0.753	-17.7435	-251.313	1
1554_1554	1554	1554	109.3665	30.3645	-1.209	0.978	-16.7625	-267.33	1
1554_1555	1554	1555	-78.0345	11.2695	-0.609	0.8745	-21.378	-324.249	1
1555_1555	1555	1555	114.3195	34.7745	-1.488	1.005	-25.89	-483.756	1
1555_1556	1555	1556	-66.849	8.691	0.1005	0.759	-18.936	-401.982	1
1556_1556	1556	1556	117.603	38.04	-1.7775	0.231	-42.2925	-852.087	1
1556_1557	1556	1557	-59.61	6.9075	0.4635	0.249	-13.2375	-404.781	1
1557_1557	1557	1557	120.528	39.615	-3.21	-3.291	-49.248	-979.409	1
1557_1291	1557	1291	-58.7535	6.3075	-2.0175	-0.756	-24.7395	-440.535	1
41000_1000	41000	1000	2.8125	90.831	-1.2645	8.4945	0	19.788	1
41000_1001	41000	1001	1.497	8.3115	-1.782	2.7315	-30.306	-129.365	1
41001_1001	41001	1001	3.354	81.687	-1.4115	13.2495	-24.1245	-1365.69	1
41001_1002	41001	1002	1.5	8.3115	-1.779	2.985	-49.6155	-219.572	1
41002_1002	41002	1002	3.9135	75.7335	0.8565	8.7375	-41.325	-1986.45	1
41002_1003	41002	1003	-1.1475	10.6305	-0.4215	-1.6635	11.7255	1056.941	1
41003_1003	41003	1003	4.293	66.8535	0.936	12.3375	-30.321	-2561	1
41003_1004	41003	1004	-2.022	19.1775	-0.5715	-4.719	12.648	1679.942	1
41004_1004	41004	1004	4.551	64.3275	0.462	6.621	-14.9265	-2963.19	1
41004_1005	41004	1005	-2.7975	24.6015	-0.6255	-1.254	10.083	2294.114	1
41005_1005	41005	1005	4.728	56.355	0.423	10.599	-4.9485	-3278.28	1
41005_1006	41005	1006	-3.417	33.687	-0.615	-4.869	5.0565	2753.742	1
41006_1006	41006	1006	4.8225	55.7325	0.234	3.903	6.312	-3455.13	1
41006_1007	41006	1007	-3.906	36.1095	-0.615	1.008	-0.768	3110.192	1
41007_1007	41007	1007	4.8525	48.2895	0.1455	8.133	14.7405	-3584.13	1
41007_1008	41007	1008	-4.281	44.3085	-0.5445	-2.9535	-7.2945	3314.672	1
41008_1008	41008	1008	4.827	48.2595	0.2685	1.539	22.959	-3596.45	1
41008_1009	41008	1009	-4.5495	45.1815	-0.6975	3.528	-15.4785	3457.218	1
41009_1009	41009	1009	4.7445	41.1525	0.162	5.457	31.7265	-3579.76	1
41009_1010	41009	1010	-4.7265	52.911	-0.612	-0.276	-23.7975	3469.19	1
41010_1010	41010	1010	4.6155	41.0595	0.3705	-2.517	39.63	-3461.82	1
41010_1011	41010	1011	-4.824	53.4165	-0.8595	7.7085	-34.506	3438.389	1
41011_1011	41011	1011	4.4385	34.2285	0.249	4.9875	48.447	-3326.37	1
41011_1012	41011	1012	-4.854	60.882	-0.768	0.0855	-44.904	3291.543	1
41012_1012	41012	1012	4.218	33.246	0.423	0.711	55.914	-3096.31	1
41012_1013	41012	1013	-4.8255	61.9065	-1.0605	5.397	-57.741	3105.614	1
41013_1013	41013	1013	3.9345	26.8185	0.2205	-0.6525	62.1855	-2863.85	1
41013_1014	41013	1014	-4.746	69.237	-0.9375	6.897	-69.4095	2813.996	1
41014_1014	41014	1014	3.4665	22.203	-0.309	-0.405	64.662	-2347.54	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41014_1015	41014	1015	-4.6155	72.0465	-0.0345	7.1085	-68.1915	2144.16	1
41015_1015	41015	1015	3.042	18.4005	-0.324	-3.09	58.3605	-2293.78	1
41015_1016	41015	1016	-5.0955	81.951	0.1305	9.276	-63.495	2162.061	1
41016_1016	41016	1016	2.415	15.7125	-1.7055	-0.882	54.735	-1870.03	1
41016_1017	41016	1017	-6.4035	83.4885	2.361	6.954	-33.558	1551.221	1
41017_1017	41017	1017	1.8195	10.353	-1.2375	-2.901	38.0055	-1427.82	1
41017_1018	41017	1018	-8.5215	89.904	2.3955	9.594	0.7365	890.481	1
41018_1018	41018	1018	1.4415	5.6565	1.35	-0.8325	30.099	-1000.69	1
41018_1019	41018	1019	-10.776	94.9935	-5.238	7.0695	-65.7315	308.775	1
41019_1019	41019	1019	-0.177	3.0465	0.291	-2.226	42.2715	-786.38	1
41019_1020	41019	1020	-13.581	101.409	-4.47	8.571	-117.252	-350.487	1
41020_1020	41020	1020	-71.0925	83.0325	-6.8265	3.792	197.4225	0.3555	1
41020_1021	41020	1021	119.517	17.2575	8.994	1.638	-207.189	936.657	1
41021_1021	41021	1021	-65.205	77.5305	-6.066	5.229	114.6375	-405.009	1
41021_1022	41021	1022	109.3365	20.91	8.6985	-0.4455	-129.09	1096.536	1
41022_1022	41022	1022	-60.5655	71.763	-5.2275	4.8045	54.1785	-625.716	1
41022_1023	41022	1023	100.9365	24.4665	8.3355	0.177	-55.5315	1169.784	1
41023_1023	41023	1023	-57.1965	66.8745	-0.42	3.282	5.907	-809.03	1
41023_1024	41023	1024	92.1675	27.714	1.5225	1.8945	-35.982	1225.614	1
41024_1024	41024	1024	-55.104	60.6765	-0.2025	4.1025	-3.39	-978.197	1
41024_1025	41024	1025	83.559	32.01	1.3455	1.0035	-19.338	1264.484	1
41025_1025	41025	1025	-54.348	54.582	0.096	3.1965	-9.213	-1103.24	1
41025_1026	41025	1026	75.492	36.798	1.074	1.935	-6.153	1276.887	1
41026_1026	41026	1026	-54.645	53.082	0.1065	3.435	-9.945	-1268.75	1
41026_1027	41026	1027	68.6715	39.4455	0.519	1.224	0.027	1364.391	1
41027_1027	41027	1027	-55.638	48.564	0.2865	1.287	-10.194	-1316.03	1
41027_1028	41027	1028	64.3335	43.455	0.309	3.414	3.312	1357.229	1
41028_1028	41028	1028	-57.354	44.226	0.357	2.25	-8.8455	-1339.79	1
41028_1029	41028	1029	60.8625	47.769	0.24	2.541	5.7435	1334.555	1
41029_1029	41029	1029	-59.91	40.173	0.456	2.5395	-6.5715	-1346.12	1
41029_1030	41029	1030	58.14	52.2555	0.1485	2.178	7.1145	1287.005	1
41030_1030	41030	1030	-64.302	37.536	1.023	0.681	-2.604	-1255.76	1
41030_1031	41030	1031	56.124	53.904	0.0225	4.194	7.098	1123.638	1
41031_1031	41031	1031	-69.8685	32.685	1.2105	1.3875	8.5335	-1240.69	1
41031_1032	41031	1032	54.597	59.946	-0.195	3.75	3.3465	998.3085	1
41032_1032	41032	1032	-75.9945	28.3125	1.3845	2.3625	22.644	-1198.01	1
41032_1033	41032	1033	54.408	66.1215	-0.384	2.763	-3.438	830.292	1
41033_1033	41033	1033	-82.368	24.843	8.3445	3.0195	39.6675	-1135.83	1
41033_1034	41033	1034	55.47	71.061	-5.1765	4.7085	-48.846	646.26	1
41034_1034	41034	1034	-88.578	21.183	8.643	2.8065	111.612	-1052.84	1
41034_1035	41034	1035	57.843	76.875	-6.09	4.218	-107.592	423.867	1
41035_1035	41035	1035	-96.1365	17.439	9.537	-3.393	186.0405	-882.552	1
41035_1036	41035	1036	61.353	82.431	-7.443	8.3325	-195.012	18.183	1
41036_1036	41036	1036	54.7875	96.726	-3.6435	7.4925	92.6085	538.2435	1
41036_1037	41036	1037	11.202	10.635	0.564	1.4445	-0.189	577.3845	1
41037_1037	41037	1037	56.235	90.9345	-4.35	7.1715	50.355	5.199	1
41037_1038	41037	1038	11.8935	10.95	0.549	1.8885	7.836	444.8445	1
41038_1038	41038	1038	57.147	86.145	2.178	8.6685	-4.305	-451.064	1
41038_1039	41038	1039	-32.931	12.4725	-1.296	-2.0925	-33.426	1226.909	1
41039_1039	41039	1039	56.766	80.559	1.992	7.95	25.8765	-991.913	1
41039_1040	41039	1040	-39.5925	17.3235	-1.6965	-1.5885	-50.166	1578.69	1
41040_1040	41040	1040	56.0445	79.089	0.8475	7.7445	49.89	-1526.29	1
41040_1041	41040	1041	-44.9385	20.076	-0.3915	-1.7415	-53.565	1918.14	1
41041_1041	41041	1041	55.263	69.327	0.7935	8.304	58.605	-1422.08	1
41041_1042	41041	1042	-48.1905	23.6445	-0.492	-1.593	-62.658	1884.662	1
41042_1042	41042	1042	54.249	66.03	0.147	7.137	71.8425	-2003.26	1
41042_1043	41042	1043	-52.689	28.38	-0.072	-0.492	-67.7595	2249.816	1
41043_1043	41043	1043	52.662	58.2975	0.1095	6.3645	73.326	-2244.36	1
41043_1044	41043	1044	-54.66	35.007	-0.039	0.2865	-70.908	2374.455	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41044_1044	41044	1044	50.64	55.656	-0.0015	5.166	74.1615	-2391.55	1
41044_1045	41044	1045	-55.3755	37.38	0.102	1.5345	-71.4345	2487.344	1
41045_1045	41045	1045	48.288	48.0225	-0.015	4.185	73.329	-2500.15	1
41045_1046	41045	1046	-55.227	44.616	0.138	2.517	-71.415	2513.573	1
41046_1046	41046	1046	45.624	45.657	0.123	2.6415	72.4215	-2516.08	1
41046_1047	41046	1047	-54.282	46.905	-0.009	4.041	-72.63	2511.152	1
41047_1047	41047	1047	42.642	38.3475	0.1035	1.83	72.6285	-2502.04	1
41047_1048	41047	1048	-52.719	54.5325	0.0075	4.8645	-73.6965	2417.982	1
41048_1048	41048	1048	39.3495	35.991	0.0075	1.668	72.579	-2398.92	1
41048_1049	41048	1049	-50.7255	56.9805	0.021	5.199	-74.262	2287.317	1
41049_1049	41049	1049	35.5905	29.259	-0.054	-1.128	70.149	-2284.23	1
41049_1050	41049	1050	-48.393	64.758	0.096	7.989	-73.797	2062.604	1
41050_1050	41050	1050	29.8935	24.4875	-0.4065	-0.531	65.1825	-1927.18	1
41050_1051	41050	1051	-45.747	67.935	0.669	7.5915	-62.8785	1502.694	1
41051_1051	41051	1051	26.619	20.667	-0.3525	-3.159	57.177	-1961.09	1
41051_1052	41051	1052	-42.327	78	0.765	9.306	-55.1745	1595.927	1
41052_1052	41052	1052	21.7725	17.757	-1.746	-1.182	53.3295	-1626.44	1
41052_1053	41052	1053	-41.2935	79.5855	2.274	7.665	-27.9345	1066.686	1
41053_1053	41053	1053	16.422	12.4185	-1.2945	-2.7075	35.7345	-1281.37	1
41053_1054	41053	1054	-39.9825	85.725	2.403	9.6135	4.992	528.966	1
41054_1054	41054	1054	-40.6515	8.361	0.2025	1.575	-18.3255	-395.277	1
41054_1055	41054	1055	-38.049	90.915	-4.926	7.41	-58.176	62.4465	1
41055_1055	41055	1055	-40.5435	7.3035	0.2355	1.563	-15.633	-499.725	1
41055_1056	41055	1056	-36.4575	97.3635	-4.2195	7.944	-108.344	-489.122	1
41056_1056	41056	1056	-73.4895	81.6975	-6.3195	4.1325	174.3045	-176.768	1
41056_1057	41056	1057	110.697	18.0345	8.0505	1.404	-176.148	959.7435	1
41057_1057	41057	1057	-68.922	76.284	-5.67	4.56	99.3255	-567.339	1
41057_1058	41057	1058	103.1055	21.957	7.8795	0.582	-106.271	1129.347	1
41058_1058	41058	1058	-65.358	70.6815	-4.9995	5.139	44.523	-784.227	1
41058_1059	41058	1059	96.7545	25.6755	7.7115	-0.471	-38.877	1222.422	1
41059_1059	41059	1059	-62.8125	66.0345	-0.3345	4.572	0.1635	-961.01	1
41059_1060	41059	1060	89.895	28.854	1.167	0.909	-23.208	1294.064	1
41060_1060	41060	1060	-61.371	60.0465	-0.102	3.8025	-6.6795	-1123.56	1
41060_1061	41060	1061	83.187	33.231	0.93	1.6155	-10.953	1345.964	1
41061_1061	41061	1061	-61.0635	54.165	0.1515	2.7495	-10.3875	-1240.73	1
41061_1062	41061	1062	76.866	38.0415	0.705	2.7375	-1.5105	1367.337	1
41062_1062	41062	1062	-61.5795	52.74	0.063	4.1475	-9.9585	-1400.7	1
41062_1063	41062	1063	71.547	40.647	0.45	0.966	3.7815	1464.038	1
41063_1063	41063	1063	-62.6955	48.3825	0.2235	2.232	-9.7575	-1443.83	1
41063_1064	41063	1064	68.1885	44.6145	0.2655	2.79	6.435	1461.207	1
41064_1064	41064	1064	-64.452	44.1765	0.2955	2.7795	-8.1615	-1461.81	1
41064_1065	41064	1065	65.5425	48.834	0.1935	2.247	8.2845	1440.057	1
41065_1065	41065	1065	-66.96	40.2315	0.4815	0.8055	-5.727	-1463.11	1
41065_1066	41065	1066	63.5025	53.211	0.027	4.326	8.6955	1394.774	1
41066_1066	41066	1066	-71.208	37.6935	0.771	2.022	-0.7665	-1365.08	1
41066_1067	41066	1067	62.0505	54.591	0.0675	3.216	8.8995	1231.5	1
41067_1067	41067	1067	-76.5735	32.916	0.981	1.0065	8.6955	-1342.41	1
41067_1068	41067	1068	61.0875	60.471	-0.1785	4.2735	5.196	1110.545	1
41068_1068	41068	1068	-82.4325	28.593	1.104	2.046	20.841	-1291.7	1
41068_1069	41068	1069	61.266	66.459	-0.3285	3.3315	-0.945	946.14	1
41069_1069	41069	1069	-88.41	25.458	7.842	-0.4905	35.4405	-1220.62	1
41069_1070	41069	1070	62.472	71.0715	-5.0805	5.142	-45.261	766.4205	1
41070_1070	41070	1070	-94.194	21.7995	8.0085	0.5685	103.398	-1130.16	1
41070_1071	41070	1071	64.8735	76.6575	-5.763	4.563	-100.245	547.6425	1
41071_1071	41071	1071	-101.279	17.9685	8.172	1.5015	173.745	-966.048	1
41071_1072	41071	1072	68.3505	82.05	-6.4185	4.0305	-175.655	155.9145	1
41072_1072	41072	1072	46.6005	97.0035	-4.107	7.8465	105.207	433.0335	1
41072_1073	41072	1073	6.0165	9.0975	0.3825	1.278	-13.77	431.6085	1
41073_1073	41073	1073	47.3805	90.9465	-4.7805	7.32	55.9155	-137.51	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41073_1074	41073	1074	7.4745	9.264	0.3705	1.9425	-7.4505	322.0935	1
41074_1074	41074	1074	47.8335	86.22	2.4675	9.513	-5.6685	-628.574	1
41074_1075	41074	1075	-26.3535	12.285	-1.269	-2.721	-35.0415	1295.759	1
41075_1075	41075	1075	47.097	80.4675	2.388	7.344	28.5135	-1194.54	1
41075_1076	41075	1076	-32.184	17.331	-1.701	-1.122	-52.011	1661.265	1
41076_1076	41076	1076	46.311	79.272	0.6495	8.796	57.8565	-1753.72	1
41076_1077	41076	1077	-36.8205	19.8645	-0.4605	-2.7825	-56.955	2024.748	1
41077_1077	41077	1077	45.8265	70.431	0.513	7.3725	65.5365	-1768.7	1
41077_1078	41077	1078	-39.5685	23.571	-0.462	-0.579	-65.2725	2077.131	1
41078_1078	41078	1078	45.492	67.818	-0.2685	7.7715	74.2035	-2304.97	1
41078_1079	41078	1079	-43.0845	27.6915	0.0165	-1.2195	-67.8615	2454.036	1
41079_1079	41079	1079	44.88	60.7995	-0.3495	6.3975	71.334	-2553.95	1
41079_1080	41079	1080	-44.811	33.8295	0.1515	0.0585	-67.5885	2617.473	1
41080_1080	41080	1080	44.055	58.9065	-0.1425	6.0225	67.9515	-2717.6	1
41080_1081	41080	1081	-45.603	35.772	0.024	0.438	-66.948	2773.89	1
41081_1081	41081	1081	43.077	51.9645	-0.21	4.494	66.45	-2849.25	1
41081_1082	41081	1082	-45.8205	42.3495	0.114	1.9005	-65.55	2853.746	1
41082_1082	41082	1082	41.8875	49.9125	-0.0105	5.193	64.737	-2858.97	1
41082_1083	41082	1083	-45.597	43.884	-0.0885	1.4565	-65.7285	2875.428	1
41083_1083	41083	1083	40.5375	42.642	-0.108	1.248	64.7685	-2875.99	1
41083_1084	41083	1084	-44.9925	51.219	0.0195	5.412	-64.956	2843.178	1
41084_1084	41084	1084	39.108	41.217	0.1875	3.1575	64.1115	-2841.93	1
41084_1085	41084	1085	-44.1345	53.163	-0.306	3.4125	-67.338	2819.598	1
41085_1085	41085	1085	37.413	34.713	0.063	-0.987	66.006	-2752.62	1
41085_1086	41085	1086	-43.176	60.135	-0.198	7.68	-69.0975	2674.139	1
41086_1086	41086	1086	35.4195	33.054	0.072	1.38	66.732	-2591.08	1
41086_1087	41086	1087	-42.078	61.7775	-0.282	5.226	-71.3235	2499.428	1
41087_1087	41087	1087	32.9025	26.973	-0.0675	-2.169	65.997	-2423.26	1
41087_1088	41087	1088	-40.863	68.7765	-0.159	8.886	-72.462	2241.635	1
41088_1088	41088	1088	29.064	23.2605	-0.1155	-2.121	62.8215	-2068.02	1
41088_1089	41088	1089	-39.477	71.3445	0.1875	8.5725	-68.2095	1736.814	1
41089_1089	41089	1089	26.3655	19.497	-0.0975	-1.1205	59.5215	-2008.98	1
41089_1090	41089	1090	-38.088	79.8015	0.2205	6.9375	-64.2	1712.502	1
41090_1090	41090	1090	22.137	16.656	-1.767	-1.8	56.904	-1643.68	1
41090_1091	41090	1091	-38.01	81.2355	2.3685	7.8885	-35.004	1151.301	1
41091_1091	41091	1091	17.2755	11.4435	-1.3125	-2.1555	38.136	-1265.86	1
41091_1092	41091	1092	-37.875	87.2445	2.442	8.7735	-1.0035	568.1445	1
41092_1092	41092	1092	-12.036	9.54	0.2175	2.0895	-1.5105	-383.117	1
41092_1093	41092	1093	-37.0845	92.0115	-4.953	6.852	-63.7935	70.2195	1
41093_1093	41093	1093	-7.653	9.2655	0.2265	1.2255	3.357	-485.123	1
41093_1094	41093	1094	-36.381	98.3235	-4.2945	7.881	-114.57	-509.76	1
41094_1094	41094	1094	-74.3025	81.384	-5.9805	4.4835	164.718	-175.49	1
41094_1095	41094	1095	112.776	17.9745	7.689	1.0815	-167.276	950.7285	1
41095_1095	41095	1095	-69.4545	75.852	-5.382	5.1975	93.5985	-566.592	1
41095_1096	41095	1096	104.9535	21.8985	7.563	-0.342	-100.208	1117.661	1
41096_1096	41096	1096	-65.5905	70.1085	-4.5615	3.3915	41.5095	-783.611	1
41096_1097	41096	1097	98.4435	25.65	7.1475	2.016	-37.596	1210.839	1
41097_1097	41097	1097	-62.6835	65.517	-0.252	3.489	0.867	-958.029	1
41097_1098	41097	1098	91.359	28.833	1.1055	1.359	-22.7445	1282.148	1
41098_1098	41098	1098	-60.8805	59.5275	-0.009	2.613	-5.0475	-1118.76	1
41098_1099	41098	1099	84.423	33.273	0.8565	2.3535	-11.4135	1333.377	1
41099_1099	41099	1099	-60.165	53.6475	0.168	3.3735	-7.689	-1234.7	1
41099_1100	41099	1100	77.8455	38.178	0.729	1.4775	-2.1345	1353.977	1
41100_1100	41100	1100	-60.3315	52.9425	0.519	-7.8585	-6.885	-1390.62	1
41100_1101	41100	1101	72.2595	40.3395	0.0195	9.765	0.12	1451.964	1
41101_1101	41101	1101	-61.08	48.5565	0.6	-7.332	-3.5865	-1435.08	1
41101_1102	41101	1102	68.6655	44.2965	-0.045	10.536	0.6735	1449.471	1
41102_1102	41102	1102	-62.4855	44.3175	-0.039	11.766	0.7905	-1457.18	1
41102_1103	41102	1103	65.766	48.5235	0.6555	-8.5635	5.04	1428.674	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41103_1103	41103	1103	-64.614	40.338	0.144	8.3055	1.788	-1461.66	1
41103_1104	41103	1104	63.4875	52.9125	0.459	-6.3195	7.5555	1386.962	1
41104_1104	41104	1104	-68.313	38.2035	0.696	2.286	5.418	-1366.56	1
41104_1105	41104	1105	61.7715	53.5695	0.2145	2.6145	8.283	1233.713	1
41105_1105	41105	1105	-73.1025	33.2775	0.921	1.1115	15.0645	-1347.57	1
41105_1106	41105	1106	60.417	59.4495	-0.0435	3.7365	4.7295	1120.88	1
41106_1106	41106	1106	-78.36	28.8165	1.0665	1.974	27.63	-1298.08	1
41106_1107	41106	1107	60.1485	65.439	-0.21	2.8995	-1.5285	963.2625	1
41107_1107	41107	1107	-83.799	25.611	7.32	-0.126	42.882	-1227.18	1
41107_1108	41107	1108	60.9585	70.0725	-4.6725	4.725	-43.7295	791.8515	1
41108_1108	41108	1108	-88.9035	21.816	7.4865	0.8505	107.6385	-1134.14	1
41108_1109	41108	1109	62.889	75.792	-5.3235	4.1625	-96.0885	577.1175	1
41109_1109	41109	1109	-95.1315	17.8395	7.668	1.263	175.0125	-966.338	1
41109_1110	41109	1110	65.8635	81.3525	-5.973	4.035	-167.954	187.9635	1
41110_1110	41110	1110	50.916	95.3085	-4.434	8.082	127.662	398.001	1
41110_1111	41110	1111	16.8255	5.0505	0.1575	0.756	5.7375	331.707	1
41111_1111	41111	1111	52.791	89.0235	-5.1375	6.597	76.797	-141.644	1
41111_1112	41111	1112	-22.9605	8.493	1.8255	-0.3165	-33.5295	937.1865	1
41112_1112	41112	1112	54.4935	84.2205	1.9905	9.2445	13.0095	-594.074	1
41112_1113	41112	1113	-29.1165	13.107	-1.1145	-2.4825	-42.1815	1289.481	1
41113_1113	41113	1113	55.0365	78.3315	1.815	7.302	41.6295	-1123.96	1
41113_1114	41113	1114	-35.745	18.351	-1.4745	-0.921	-58.083	1639.443	1
41114_1114	41114	1114	55.1955	77.088	0.441	10.2795	63.969	-1642.45	1
41114_1115	41114	1115	-41.2695	21.1185	-0.234	-4.1265	-61.5705	1978.793	1
41115_1115	41115	1115	56.3025	68.091	0.2475	6.8475	69.5955	-1605.19	1
41115_1116	41115	1116	-44.766	24.93	-0.1845	0.105	-65.8815	1985.825	1
41116_1116	41116	1116	57.0675	65.6805	-0.474	7.1805	73.9665	-2091.41	1
41116_1117	41116	1117	-49.686	28.863	0.246	-0.7275	-65.949	2313.626	1
41117_1117	41117	1117	57.456	58.395	-0.5715	6.1305	68.3205	-2308.39	1
41117_1118	41117	1118	-52.5705	35.1975	0.3765	0.33	-63.117	2434.962	1
41118_1118	41118	1118	57.555	56.679	-0.3795	6.9075	61.719	-2439.61	1
41118_1119	41118	1119	-54.5895	36.8595	0.2775	-0.18	-59.6955	2548.761	1
41119_1119	41119	1119	57.393	49.455	-0.5025	3.2055	56.8545	-2543.32	1
41119_1120	41119	1120	-56.025	43.6365	0.4275	3.543	-54.609	2586.651	1
41120_1120	41120	1120	56.952	47.589	-0.3015	3.432	51.12	-2523.62	1
41120_1121	41120	1121	-56.91	45.003	0.2355	3.2025	-50.604	2568.609	1
41121_1121	41121	1121	56.211	40.059	-0.366	2.484	47.112	-2515.3	1
41121_1122	41121	1122	-57.4065	52.5975	0.315	4.203	-45.8145	2496.36	1
41122_1122	41122	1122	55.155	38.7105	-0.1035	1.4685	42.987	-2454.05	1
41122_1123	41122	1123	-57.5535	54.5505	0.0645	5.187	-43.662	2435.864	1
41123_1123	41123	1123	53.6505	32.031	-0.1815	0.471	41.763	-2345.74	1
41123_1124	41123	1124	-57.4125	61.773	0.1365	6.2745	-41.3685	2255.204	1
41124_1124	41124	1124	51.5835	30.4815	0.0015	1.005	40.212	-2167.7	1
41124_1125	41124	1125	-57.039	63.405	-0.1125	5.8905	-41.685	2047.47	1
41125_1125	41125	1125	48.6285	24.345	-0.153	-1.6935	39.645	-1993.26	1
41125_1126	41125	1126	-56.4135	70.659	0.015	8.676	-41.1615	1757.432	1
41126_1126	41126	1126	43.929	21.141	-0.837	-0.897	37.1835	-1659.54	1
41126_1127	41126	1127	-55.455	73.0665	0.9045	7.833	-27.72	1242.099	1
41127_1127	41127	1127	40.4805	17.5125	-0.828	-1.866	25.5105	-1585.45	1
41127_1128	41127	1128	-54.3945	81.4695	1.0485	7.9515	-17.4705	1182.57	1
41128_1128	41128	1128	34.929	15.3645	-1.839	-0.702	19.881	-1251.81	1
41128_1129	41128	1129	-54.2835	82.275	2.4615	7.422	12.177	611.676	1
41129_1129	41129	1129	-20.481	10.7505	0.984	1.2405	7.824	-436.479	1
41129_1130	41129	1130	-53.8485	87.9855	2.6115	8.679	47.3235	44.8785	1
41130_1130	41130	1130	-19.0065	9.9885	0.4365	1.8645	21.6165	-573.929	1
41130_1131	41130	1131	-52.2405	92.34	-5.295	6.777	-22.3035	-427.727	1
41131_1131	41131	1131	-15.945	9.5325	0.429	0.5955	27.7935	-684.272	1
41131_1132	41131	1132	-50.4015	98.391	-4.812	6.1185	-84.9255	-971.706	1
41132_1132	41132	1132	-73.674	82.857	-6.0225	-2.718	155.286	46.5615	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41132_1133	41132	1133	118.9065	14.3085	6.714	5.91	-133.04	699.831	1
41133_1133	41133	1133	-67.758	76.902	-5.646	-0.1215	88.0845	-387.2	1
41133_1134	41133	1134	109.6335	18.7155	6.9465	3.918	-75.186	909.6495	1
41134_1134	41134	1134	-62.913	70.869	-6.1245	11.796	37.6725	-634.416	1
41134_1135	41134	1135	101.76	22.935	8.502	-13.992	-4.6485	1019.9	1
41135_1135	41135	1135	-59.307	66.42	0.2745	2.61	-11.301	-840.503	1
41135_1136	41135	1136	93.7485	25.23	0.1305	1.656	0.0855	1122.141	1
41136_1136	41136	1136	-56.6805	59.697	0.252	4.7895	-9.72	-1029.34	1
41136_1137	41136	1137	85.662	30.027	0.1605	-0.696	3.5325	1200.162	1
41137_1137	41137	1137	-55.1955	53.1285	0.375	3.4755	-7.821	-1164.14	1
41137_1138	41137	1138	77.9205	35.307	-0.006	0.279	4.761	1242.851	1
41138_1138	41138	1138	-54.8295	51.903	0.1545	2.706	-4.2585	-1328.68	1
41138_1139	41138	1139	71.214	37.9515	0.066	1.1595	5.6235	1353.63	1
41139_1139	41139	1139	-55.0755	47.031	0.261	0.5745	-2.5365	-1376.32	1
41139_1140	41139	1140	66.8985	42.333	-0.084	3.2895	4.9455	1363.271	1
41140_1140	41140	1140	-55.9695	42.3495	0.276	1.1475	-0.069	-1395.41	1
41140_1141	41140	1141	63.3075	47.028	-0.1095	2.88	3.999	1351.782	1
41141_1141	41141	1141	-57.63	37.989	0.204	4.044	2.568	-1393.89	1
41141_1142	41141	1142	60.36	51.9135	-0.033	-0.267	3.3375	1311.362	1
41142_1142	41142	1142	-60.747	35.373	0.327	-0.5145	5.5665	-1291.35	1
41142_1143	41142	1143	58.0095	53.292	0.138	4.383	3.6015	1154.741	1
41143_1143	41143	1143	-64.959	30.072	0.3915	0.255	10.6965	-1256.51	1
41143_1144	41143	1144	55.863	59.8275	0.051	4.002	1.9845	1029.372	1
41144_1144	41144	1144	-69.6165	25.2735	0.3765	2.559	16.872	-1186.72	1
41144_1145	41144	1145	54.8685	66.5025	0.0405	1.725	-0.3015	851.52	1
41145_1145	41145	1145	-74.628	21.9375	6.2595	-1.3725	23.796	-1092.69	1
41145_1146	41145	1146	55.077	71.46	-4.3425	5.4	-37.3425	654.957	1
41146_1146	41146	1146	-79.134	17.856	6.324	-0.45	76.7085	-976.418	1
41146_1147	41146	1147	56.3925	77.6895	-4.857	4.9695	-82.398	412.1835	1
41147_1147	41147	1147	-84.5595	13.5855	6.3495	1.2465	129.9165	-771.63	1
41147_1148	41147	1148	58.7955	83.67	-5.3355	3.7755	-143.4	-18.6585	1
41148_1148	41148	1148	74.433	92.109	-3.7845	5.904	82.1355	625.917	1
41148_1149	41148	1149	34.0695	6.204	0.2355	0.546	-4.0545	509.937	1
41149_1149	41149	1149	79.1325	85.881	-4.464	5.961	35.082	138.4905	1
41149_1150	41149	1150	-37.4655	9.567	1.233	-0.234	-17.121	734.8005	1
41150_1150	41150	1150	83.22	81.243	2.016	7.1535	-24.282	-264.216	1
41150_1151	41150	1151	-46.776	14.0895	-0.993	-1.221	-20.202	1036.083	1
41151_1151	41151	1151	85.56	75.594	1.851	6.7155	1.9065	-734.408	1
41151_1152	41151	1152	-56.772	19.2345	-1.4085	-1.0305	-31.038	1321.188	1
41152_1152	41152	1152	86.7195	74.655	1.0245	6.114	23.193	-1224.18	1
41152_1153	41152	1153	-65.1525	21.7065	-0.546	-0.714	-33.9195	1617.338	1
41153_1153	41153	1153	88.7265	65.88	0.96	6.756	31.5675	-1206.37	1
41153_1154	41153	1154	-70.479	25.578	-0.639	-0.8385	-42.5835	1607.154	1
41154_1154	41154	1154	89.7555	62.814	-0.0045	5.8425	44.229	-1613.33	1
41154_1155	41154	1155	-77.8395	29.3805	0.0975	0.1935	-42.996	1854.165	1
41155_1155	41155	1155	89.907	55.0935	-0.0825	5.094	43.3905	-1805.08	1
41155_1156	41155	1156	-82.515	36.0465	0.18	0.981	-42.111	1935.428	1
41156_1156	41156	1156	89.352	53.2245	0.06	4.4565	42.078	-1955.27	1
41156_1157	41156	1157	-85.866	38.352	0.0795	1.6275	-41.766	2042.64	1
41157_1157	41157	1157	88.1235	46.3245	-0.021	3.294	42.129	-2031.07	1
41157_1158	41157	1158	-88.068	44.9535	0.168	2.799	-40.7805	2044.737	1
41158_1158	41158	1158	86.211	44.5965	0.1605	2.7585	41.778	-2038.82	1
41158_1159	41158	1159	-89.3625	46.704	-0.0405	3.324	-41.6595	2030.549	1
41159_1159	41159	1159	83.472	37.995	0.072	1.584	42.954	-2031.98	1
41159_1160	41159	1160	-89.9205	53.5995	0.045	4.4775	-42.0675	1950.104	1
41160_1160	41160	1160	79.6245	35.73	0.198	-0.0075	43.464	-1918.28	1
41160_1161	41160	1161	-89.778	55.491	-0.0825	5.862	-43.638	1793.408	1
41161_1161	41161	1161	74.622	29.0565	0.189	1.098	44.7765	-1831.02	1
41161_1162	41161	1162	-88.8675	63.1785	-0.0945	4.719	-45.807	1595.862	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41162_1162	41162	1162	67.0455	25.086	-0.837	-1.1805	45.315	-1576.86	1
41162_1163	41162	1163	-87.1845	66.4335	1.2225	7.047	-30.003	1180.196	1
41163_1163	41163	1163	61.668	21.204	-0.6945	-0.2595	34.1055	-1576.85	1
41163_1164	41163	1164	-84.399	75.2085	1.2435	5.628	-20.2215	1188.35	1
41164_1164	41164	1164	53.355	18.648	-1.476	-1.554	30.4725	-1275.53	1
41164_1165	41164	1165	-82.8945	76.2975	1.9035	7.131	1.371	688.9125	1
41165_1165	41165	1165	43.5225	13.4805	-1.0185	-0.7965	19.2285	-981.618	1
41165_1166	41165	1166	-80.1615	82.0335	2.0295	6.66	27.2565	199.8675	1
41166_1166	41166	1166	34.374	8.8515	1.203	-0.4005	16.308	-678.006	1
41166_1167	41166	1167	-75.57	86.958	-4.401	6.093	-31.5105	-218.231	1
41167_1167	41167	1167	-42.309	6.7845	0.237	0.5595	5.562	-599.409	1
41167_1168	41167	1168	-70.818	93.2235	-3.7275	5.9085	-78.459	-719.394	1
41168_1168	41168	1168	-63.045	83.8545	-5.4195	3.8895	144.75	39.873	1
41168_1169	41168	1169	91.2645	13.848	6.426	1.1775	-128.859	756.5805	1
41169_1169	41169	1169	-60.0225	77.9385	-4.953	5.2965	83.196	-394.479	1
41169_1170	41169	1170	85.551	18.039	6.4155	-0.834	-75.3435	960.276	1
41170_1170	41170	1170	-58.0485	71.772	-4.4415	5.7	37.6095	-639.536	1
41170_1171	41170	1171	80.724	22.047	6.3525	-1.7925	-21.942	1075.058	1
41171_1171	41171	1171	-57.2715	66.609	-0.129	2.46	-0.0375	-840.816	1
41171_1172	41171	1172	75.5085	25.533	0.6855	2.1105	-12.828	1167.836	1
41172_1172	41172	1172	-57.4815	60.015	-0.093	4.782	-3.186	-1022.01	1
41172_1173	41172	1173	70.3515	30.2745	0.6885	-0.339	-4.692	1237.218	1
41173_1173	41173	1173	-58.803	53.541	0.0945	3.5355	-5.256	-1150.91	1
41173_1174	41173	1174	65.58	35.5095	0.5145	0.7305	1.335	1272.45	1
41174_1174	41174	1174	-60.5055	52.0215	0.084	0.5685	-4.593	-1312.71	1
41174_1175	41174	1175	61.845	38.2755	0.057	3.414	2.7045	1375.836	1
41175_1175	41175	1175	-62.7885	47.205	-0.0075	3.756	-3.8895	-1357.33	1
41175_1176	41175	1176	59.6865	42.606	0.132	0.4275	3.8355	1378.431	1
41176_1176	41176	1176	-65.6685	42.5655	0.111	1.641	-3.6855	-1373.25	1
41176_1177	41176	1177	58.2645	47.2485	0.0195	2.4585	4.161	1361.061	1
41177_1177	41177	1177	-69.2505	38.238	0.132	2.124	-2.7105	-1369.01	1
41177_1178	41177	1178	57.4605	52.071	0.009	1.869	4.362	1314.938	1
41178_1178	41178	1178	-74.847	35.4915	0.5475	1.3485	-0.8505	-1264.73	1
41178_1179	41178	1179	57.249	53.622	0.0615	3.1395	4.785	1151.519	1
41179_1179	41179	1179	-81.402	30.273	0.726	0.3135	5.394	-1227.81	1
41179_1180	41179	1180	57.93	60.0885	-0.129	4.26	2.3295	1019.306	1
41180_1180	41180	1180	-88.257	25.5555	0.813	1.1145	13.7235	-1157.93	1
41180_1181	41180	1181	59.7195	66.69	-0.2415	3.552	-1.8465	836.2875	1
41181_1181	41181	1181	-95.286	22.0995	6.2445	-1.986	23.7885	-1065.47	1
41181_1182	41181	1182	62.6415	71.907	-4.4025	5.6775	-39.255	632.379	1
41182_1182	41182	1182	-101.63	18.135	6.2955	-1.0725	76.0995	-951.855	1
41182_1183	41182	1183	66.513	78.048	-4.896	5.3475	-84.3975	385.569	1
41183_1183	41183	1183	-109.085	13.998	6.225	1.458	128.3295	-749.651	1
41183_1184	41183	1184	71.3835	83.94	-5.2935	3.567	-144.59	-50.139	1
41184_1184	41184	1184	55.6545	96.234	-3.6465	5.5515	74.07	813.9	1
41184_1185	41184	1185	15.3345	9.87	0.324	1.221	-10.17	555.4605	1
41185_1185	41185	1185	58.488	89.9535	-4.242	5.985	27.0465	269.0115	1
41185_1186	41185	1186	18.666	10.338	0.3435	1.0305	-4.857	439.653	1
41186_1186	41186	1186	60.9435	84.7035	2.1705	6.5205	-30.591	-201.914	1
41186_1187	41186	1187	-32.034	12.0255	-1.047	-0.7875	-19.4985	963.4155	1
41187_1187	41187	1187	62.19	78.6765	2.0745	7.071	-3.204	-747.141	1
41187_1188	41187	1188	-39.561	17.2125	-1.5315	-1.6395	-31.086	1287.621	1
41188_1188	41188	1188	62.8035	77.0625	1.4115	6.552	20.3475	-1287.22	1
41188_1189	41188	1189	-45.978	19.9515	-0.78	-0.27	-35.3775	1615.292	1
41189_1189	41189	1189	64.314	68.2365	1.425	8.4525	31.6305	-1306.2	1
41189_1190	41189	1190	-50.073	23.8665	-0.951	-1.68	-48.279	1642.112	1
41190_1190	41190	1190	65.217	64.68	0.303	5.379	50.5035	-1756.6	1
41190_1191	41190	1191	-55.7505	28.017	-0.0375	2.0115	-50.796	1934.747	1
41191_1191	41191	1191	65.4915	57.0945	0.3975	8.8635	53.241	-1976.92	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41191_1192	41191	1192	-59.3535	34.59	-0.138	-1.461	-54.009	2055.584	1
41192_1192	41192	1192	65.217	54.741	0.1755	5.607	57.2025	-2149.25	1
41192_1193	41192	1193	-62.007	37.2495	0.024	2.082	-55.377	2194.998	1
41193_1193	41193	1193	64.3815	47.88	0.144	4.491	58.4325	-2241.9	1
41193_1194	41193	1194	-63.786	43.8495	0.063	3.138	-56.3535	2227.298	1
41194_1194	41194	1194	63.0015	45.8655	0.4365	2.1135	59.5725	-2265.05	1
41194_1195	41194	1195	-64.8705	45.939	-0.2175	5.2995	-59.9415	2237.583	1
41195_1195	41195	1195	60.954	39.3345	0.447	3.42	63.231	-2268.12	1
41195_1196	41195	1196	-65.424	52.8105	-0.2595	3.9375	-64.395	2177.57	1
41196_1196	41196	1196	58.038	36.63	0.159	-1.524	66.552	-2165.68	1
41196_1197	41196	1197	-65.4555	55.3125	0.018	8.6595	-66.003	2038.793	1
41197_1197	41197	1197	54.2475	30.1395	0.237	2.0505	66.4215	-2080.71	1
41197_1198	41197	1198	-64.8765	62.8815	-0.0645	5.085	-68.4885	1853.768	1
41198_1198	41198	1198	48.51	26.022	-0.981	-1.7505	65.9175	-1824	1
41198_1199	41198	1199	-63.726	66.429	1.356	9.0855	-51.318	1444.383	1
41199_1199	41199	1199	44.397	22.113	-0.8115	-0.8175	51.837	-1833.55	1
41199_1200	41199	1200	-61.824	75.1875	1.398	7.6335	-39.9825	1468.854	1
41200_1200	41200	1200	38.121	19.074	-1.311	-2.457	46.14	-1521.27	1
41200_1201	41200	1201	-60.987	77.022	1.6905	9.3855	-20.499	963.8145	1
41201_1201	41201	1201	30.8145	13.8	-0.9015	-1.701	34.764	-1206.18	1
41201_1202	41201	1202	-59.4645	83.0235	1.8015	9.2205	3.0465	462.903	1
41202_1202	41202	1202	24.1665	8.9865	1.272	-1.8105	30.5895	-877.655	1
41202_1203	41202	1203	-56.5005	88.431	-4.7565	8.49	-59.13	27.5145	1
41203_1203	41203	1203	-17.268	6.7515	0.1845	1.3305	-3.912	-379.056	1
41203_1204	41203	1204	-53.6295	94.698	-4.0485	8.526	-107.459	-490.811	1
41204_1204	41204	1204	-67.11	82.719	-6.0225	4.071	173.304	-67.476	1
41204_1205	41204	1205	97.572	17.022	7.5	2.3445	-173.028	907.035	1
41205_1205	41205	1205	-63.831	77.2815	-5.5245	6.837	101.8485	-478.583	1
41205_1206	41205	1206	91.23	20.9385	7.491	-1.686	-107.261	1091.211	1
41206_1206	41206	1206	-61.632	71.613	-4.902	7.1745	48.3735	-701.639	1
41206_1207	41206	1207	85.9545	24.639	7.356	-2.778	-43.266	1181.294	1
41207_1207	41207	1207	-60.681	66.6495	-0.609	4.6635	4.6245	-887.679	1
41207_1208	41207	1208	80.418	27.876	1.575	1.2435	-24.6225	1251.639	1
41208_1208	41208	1208	-60.7305	60.519	-0.3405	3.9525	-4.3395	-1056.81	1
41208_1209	41208	1209	74.928	32.2755	1.3305	2.0325	-9.456	1302.272	1
41209_1209	41209	1209	-61.935	54.492	-0.1305	4.764	-9.5265	-1181.25	1
41209_1210	41209	1210	69.8445	37.125	1.1865	0.9585	3.4605	1323.38	1
41210_1210	41210	1210	-63.591	52.8195	0.093	3.111	-10.776	-1346.3	1
41210_1211	41210	1211	65.8425	39.891	0.3585	2.0865	7.602	1417.988	1
41211_1211	41211	1211	-65.838	48.348	0.255	1.1985	-9.9855	-1391.97	1
41211_1212	41211	1212	63.4935	43.929	0.183	4.119	9.318	1414.698	1
41212_1212	41212	1212	-68.7015	44.04	0.312	1.9965	-7.8195	-1413.08	1
41212_1213	41212	1213	61.896	48.24	0.123	3.471	10.344	1394.468	1
41213_1213	41213	1213	-72.3	40.0155	0.264	5.0385	-4.914	-1416.72	1
41213_1214	41213	1214	60.9375	52.6995	0.1635	0.099	11.178	1348.472	1
41214_1214	41214	1214	-77.9565	37.1415	1.308	-0.324	-1.113	-1321.93	1
41214_1215	41214	1215	60.597	54.5115	-0.225	5.772	8.607	1183.73	1
41215_1215	41215	1215	-84.5955	32.298	1.353	2.6475	13.0905	-1300.12	1
41215_1216	41215	1216	61.1355	60.5265	-0.3645	3.2955	2.7	1058.282	1
41216_1216	41216	1216	-91.56	27.9	1.608	1.74	28.7025	-1248.74	1
41216_1217	41216	1217	62.8335	66.6555	-0.6435	4.0035	-7.059	888.5475	1
41217_1217	41217	1217	-98.7675	24.558	7.143	-2.079	47.8005	-1177.92	1
41217_1218	41217	1218	65.7225	71.6055	-4.6515	7.0575	-49.401	702.231	1
41218_1218	41218	1218	-105.278	20.8395	7.287	-0.8685	110.358	-1086.1	1
41218_1219	41218	1219	69.5925	77.3025	-5.277	6.483	-101.316	478.413	1
41219_1219	41219	1219	-112.971	16.914	7.44	1.5075	174.7275	-898.805	1
41219_1220	41219	1220	74.481	82.743	-5.877	4.8705	-171.813	66.6885	1
41220_1220	41220	1220	45.027	98.334	-4.431	10.767	106.614	604.5495	1
41220_1221	41220	1221	21.75	10.884	0.2925	0.753	15.558	564.4665	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41221_1221	41221	1221	47.325	92.2935	-5.298	9.387	54.144	39.8145	1
41221_1222	41221	1222	24.099	11.469	0.183	3.066	18.7275	430.0575	1
41222_1222	41222	1222	49.596	86.856	2.073	13.191	-13.0485	-452.846	1
41222_1223	41222	1223	24.945	12.3015	0.5805	2.352	26.8785	269.916	1
41223_1223	41223	1223	51.099	81.0315	1.77	8.6205	16.173	-1013.21	1
41223_1224	41223	1224	-29.604	17.103	-1.503	0.4275	-41.3205	1548.261	1
41224_1224	41224	1224	52.077	78.558	1.2885	13.719	37.7745	-1566.03	1
41224_1225	41224	1225	-35.235	20.655	-0.7485	-5.394	-46.269	1889.594	1
41225_1225	41225	1225	54.903	68.5395	1.029	8.4315	50.8185	-1491.42	1
41225_1226	41225	1226	-38.9625	24.318	-0.762	1.179	-59.193	1866.654	1
41226_1226	41226	1226	56.7855	63.549	0.0045	13.7925	68.0025	-2057.13	1
41226_1227	41226	1227	-45.3345	30.435	0.0015	-4.2615	-63.291	2225.42	1
41227_1227	41227	1227	57.948	55.602	-0.261	2.9295	67.641	-2275.86	1
41227_1228	41227	1228	-49.3575	37.3905	0.237	6.2955	-62.7615	2342.102	1
41228_1228	41228	1228	58.392	51.294	0.228	8.862	63.954	-2388.9	1
41228_1229	41228	1229	-52.4835	41.6115	-0.066	0.027	-64.563	2420.73	1
41229_1229	41229	1229	58.0905	43.656	0.069	1.575	65.925	-2442.53	1
41229_1230	41229	1230	-54.996	49.242	0.0615	7.188	-65.2155	2401.302	1
41230_1230	41230	1230	56.847	39.4095	-0.6645	5.259	65.517	-2403.55	1
41230_1231	41230	1231	-56.8425	53.8155	0.5355	3.594	-59.8635	2317.713	1
41231_1231	41231	1231	54.5655	32.478	-0.837	-1.557	55.2	-2317.13	1
41231_1232	41231	1232	-57.9825	61.728	0.7635	10.4505	-50.631	2132.28	1
41232_1232	41232	1232	51.9705	29.7945	-1.6335	4.134	43.11	-2266.1	1
41232_1233	41232	1233	-58.4415	66.6495	1.4925	4.662	-34.833	2042.663	1
41233_1233	41233	1233	48.132	24.1455	-1.6365	-1.6425	26.022	-2053.81	1
41233_1234	41233	1234	-58.227	72.933	1.788	10.2975	-12.258	1671.744	1
41234_1234	41234	1234	46.854	22.8795	-1.788	-11.148	7.722	-2188.01	1
41234_1235	41234	1235	-57.546	79.8855	2.1375	18.2025	-2.1105	1965.884	1
41235_1235	41235	1235	43.4415	21.5625	2.214	0.1485	4.071	-1946.63	1
41235_1236	41235	1236	-58.2465	79.2225	-2.2665	7.4625	-17.508	1560.732	1
41236_1236	41236	1236	39.3045	17.322	1.9545	-2.1945	21.4695	-1687.23	1
41236_1237	41236	1237	-56.9865	83.6235	-2.235	9.9465	-38.733	1105.04	1
41237_1237	41237	1237	36.765	16.263	1.755	-6.225	40.1145	-1665.77	1
41237_1238	41237	1238	-56.811	87.984	-2.1525	12.8025	-49.074	1210.68	1
41238_1238	41238	1238	31.9725	16.14	-7.644	0.2895	46.893	-1297.93	1
41238_1239	41238	1239	-57.003	82.8525	6.783	8.2185	23.3805	586.38	1
41239_1239	41239	1239	26.4705	12.0135	-7.431	-1.0065	-35.2635	-1017.79	1
41239_1240	41239	1240	-55.698	87.867	7.3455	8.8035	108.1485	206.2365	1
41240_1240	41240	1240	18.045	17.097	12.4485	-24.138	-111.504	-661.202	1
41240_1241	41240	1241	-51.1665	81.9885	-13.9185	33.162	-47.931	-148.038	1
41241_1241	41241	1241	-80.9625	74.3205	4.4655	24.525	75.669	-405.477	1
41241_1242	41241	1242	107.1075	27.0045	-5.8185	-22.2135	-152.033	1180.634	1
41242_1242	41242	1242	-79.7265	72.534	4.4145	22.8135	113.625	-936.39	1
41242_1243	41242	1243	101.58	31.2015	-5.82	-21.8955	-167.757	1421.601	1
41243_1243	41243	1243	-76.422	72.819	-6.1875	6.603	111.1005	-689.057	1
41243_1244	41243	1244	98.5995	27.2745	7.7145	0.081	-95.0715	1292.814	1
41244_1244	41244	1244	-75.447	66.1005	-5.0175	4.0365	40.6755	-854.064	1
41244_1245	41244	1245	93.033	31.3305	7.419	3.4425	-11.808	1314.969	1
41245_1245	41245	1245	-76.293	60.768	-1.0815	6.3045	-14.124	-1079.64	1
41245_1246	41245	1246	87.21	35.283	1.5615	1.2705	10.11	1371.423	1
41246_1246	41246	1246	-78.513	54.3045	-0.6825	2.9235	-25.53	-1215.54	1
41246_1247	41246	1247	82.059	40.41	1.2015	4.9245	26.3655	1364.643	1
41247_1247	41247	1247	-81.9645	49.629	-0.216	4.6185	-30.366	-1339.59	1
41247_1248	41247	1248	78.372	44.955	0.021	2.877	29.7795	1377.923	1
41248_1248	41248	1248	-87.5985	43.2105	-0.0675	3.015	-29.4585	-1329.25	1
41248_1249	41248	1249	76.386	50.6175	-0.1095	4.6875	30.72	1252.014	1
41249_1249	41249	1249	-95.022	38.1	4.68	5.6895	-25.641	-1354.65	1
41249_1250	41249	1250	75.9195	56.4795	-3.636	2.5275	-4.539	1144.269	1
41250_1250	41250	1250	-102.552	33.396	4.8615	0.7665	25.3065	-1381.03	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41250_1251	41250	1251	77.0925	63.3915	-4.533	6.792	-51.7575	1033.947	1
41251_1251	41251	1251	-111.18	33.0765	3.6405	4.563	70.416	-1311.89	1
41251_1252	41251	1252	79.4175	63.5325	-0.1935	2.742	-61.0755	834.8535	1
41252_1252	41252	1252	-120.413	27.606	4.7265	1.506	113.6685	-1235.66	1
41252_1253	41252	1253	83.8335	70.029	-1.194	4.8585	-87.819	553.11	1
41253_1253	41253	1253	-123.033	26.1765	4.8405	3.1095	170.526	-1423.14	1
41253_1254	41253	1254	90.624	77.055	-2.0085	2.67	-116.474	895.32	1
41254_1254	41254	1254	-127.317	29.5335	-4.287	-40.4145	193.1475	-1282.69	1
41254_1255	41254	1255	92.742	73.0065	1.572	36.0465	-113.277	618.6195	1
41255_1255	41255	1255	41.6175	92.193	-12.1575	25.8165	104.1105	25.977	1
41255_1256	41255	1256	-12.57	11.5545	7.326	-15.087	4.731	747.969	1
41256_1256	41256	1256	42.777	89.1705	-12.6375	25.7865	8.511	-295.925	1
41256_1257	41256	1257	-15.645	14.4735	8.4255	-15.5895	64.4265	978.501	1
41257_1257	41257	1257	45.0195	92.9715	-0.396	9.0615	-80.211	-358.166	1
41257_1258	41257	1258	41.736	10.8645	0.183	1.248	8.6655	482.6475	1
41258_1258	41258	1258	47.262	87.138	-1.0005	9.333	-84.1665	-650.376	1
41258_1259	41258	1259	-23.0055	13.7085	-1.1145	-0.633	48.162	1433.424	1
41259_1259	41259	1259	47.889	83.3595	7.0245	11.799	-96.6885	-1188.96	1
41259_1260	41259	1260	-28.122	17.8395	-5.259	-3.7185	10.008	1765.173	1
41260_1260	41260	1260	49.278	78.687	6.837	9.2865	-19.8	-1595.7	1
41260_1261	41260	1261	-32.6235	21.753	-5.8455	-1.236	-39.69	2017.569	1
41261_1261	41261	1261	49.44	77.2815	6.7635	8.928	45.573	-2183.83	1
41261_1262	41261	1262	-36.486	25.731	-6.294	-2.0865	-60.0765	2361.537	1
41262_1262	41262	1262	52.305	71.8335	-0.1755	13.551	68.5785	-1899.41	1
41262_1263	41262	1263	-37.83	26.1345	0.135	-4.7655	-59.1735	2220.482	1
41263_1263	41263	1263	54.756	64.56	-0.3735	6.6315	67.5315	-2138.39	1
41263_1264	41263	1264	-41.8455	31.554	0.2655	2.208	-58.308	2350.815	1
41264_1264	41264	1264	56.6625	60.0525	-0.219	11.4	63.675	-2365.37	1
41264_1265	41264	1265	-45.759	35.487	0.078	-2.5725	-59.106	2493.989	1
41265_1265	41265	1265	58.0425	53.0475	-0.438	2.883	60.9915	-2517.58	1
41265_1266	41265	1266	-49.101	41.928	0.282	5.766	-56.847	2565.633	1
41266_1266	41266	1266	58.8795	48.699	-0.564	6.7515	55.7295	-2567.95	1
41266_1267	41266	1267	-51.963	45.9675	0.225	1.707	-54.12	2580.233	1
41267_1267	41267	1267	59.0565	42.0285	-0.7545	1.251	47.958	-2589.38	1
41267_1268	41267	1268	-54.423	52.9545	0.432	7.1655	-48.1785	2537.46	1
41268_1268	41268	1268	58.3005	36.8205	-1.209	4.554	37.7745	-2450.58	1
41268_1269	41268	1269	-56.385	57.4815	0.7635	4.17	-35.898	2328.146	1
41269_1269	41269	1269	56.7135	30.8205	-1.3995	-2.523	20.5005	-2394.55	1
41269_1270	41269	1270	-58.014	65.5455	1.077	11.1045	-19.3005	2186.84	1
41270_1270	41270	1270	54.786	27.3165	4.5795	2.1735	4.2885	-2324.36	1
41270_1271	41270	1271	-58.8645	71.187	-4.989	5.8545	-59.85	2071.628	1
41271_1271	41271	1271	51.615	22.3155	3.9885	-2.208	42.6375	-2082	1
41271_1272	41271	1272	-59.082	76.791	-4.992	10.38	-113.346	1653.98	1
41272_1272	41272	1272	50.166	20.82	3.6705	-7.281	83.598	-2144.31	1
41272_1273	41272	1273	-59.133	83.1435	-4.878	14.4405	-130.848	1846.281	1
41273_1273	41273	1273	46.9215	24.0465	-0.7635	1.095	90.3705	-1889.49	1
41273_1274	41273	1274	-59.4045	76.1805	2.5335	6.0195	-108.659	1459.737	1
41274_1274	41274	1274	43.4865	20.904	-0.4515	-1.6395	78.6285	-1741	1
41274_1275	41274	1275	-59.58	79.968	2.3955	8.6325	-86.778	1237.653	1
41275_1275	41275	1275	41.436	19.53	-0.4275	-8.49	73.146	-1732.63	1
41275_1276	41275	1276	-59.3055	83.73	2.3205	14.9325	-75.228	1321.233	1
41276_1276	41276	1276	35.493	18.9585	-14.0595	-0.2265	68.205	-1318.01	1
41276_1277	41276	1277	-59.2365	78.6945	14.379	8.9655	93.9495	631.476	1
41277_1277	41277	1277	28.833	13.8225	-13.116	-1.227	-90.837	-996.59	1
41277_1278	41277	1278	-58.3365	84.1155	14.8725	8.9325	288.795	195.0045	1
41278_1278	41278	1278	22.83	19.155	21.2565	-32.6265	-241.293	-749.876	1
41278_1279	41278	1279	-55.4145	79.848	-26.712	43.4175	38.601	134.484	1
41279_1279	41279	1279	-72.519	74.1885	8.46	21.639	-7.2585	-386.411	1
41279_1280	41279	1280	92.259	28.1625	-12.546	-20.667	-110.009	1246.13	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41280_1280	41280	1280	-71.8725	71.1	7.6995	19.587	64.8915	-800.124	1
41280_1281	41280	1281	87.5745	31.9665	-12.204	-19.8855	-173.207	1398.861	1
41281_1281	41281	1281	-72.063	66.1665	-2.9475	4.287	74.4	-532.017	1
41281_1282	41281	1282	84.8265	31.6515	6.999	-0.417	-82.0155	1176.207	1
41282_1282	41282	1282	-75.0765	58.6575	-1.3065	1.785	21.087	-774.905	1
41282_1283	41282	1283	78.996	37.386	6.0855	2.8695	-1.353	1161.953	1
41283_1283	41283	1283	-80.877	54.018	-0.195	4.3575	4.9545	-933.93	1
41283_1284	41283	1284	74.19	38.9925	0.039	0.897	-2.202	1130.439	1
41284_1284	41284	1284	-88.152	47.184	0.0405	0.813	1.2885	-1140.8	1
41284_1285	41284	1285	71.8335	46.1865	-0.159	4.425	-4.704	1142.732	1
41285_1285	41285	1285	-97.605	43.743	1.179	4.416	0.0585	-1187.23	1
41285_1286	41285	1286	71.9595	49.296	0.756	0.8955	3.7755	1058.472	1
41286_1286	41286	1286	-107.925	37.7955	1.869	0.864	15.7035	-1268.15	1
41286_1287	41286	1287	74.4	56.55	0.084	3.9165	-0.1215	976.314	1
41287_1287	41287	1287	-122.31	34.584	2.7375	4.338	42.4515	-1200.28	1
41287_1288	41287	1288	78.648	59.661	-0.726	1.287	-18.372	681.1695	1
41288_1288	41288	1288	-134.373	29.3145	3.5475	0.1875	88.3635	-1270.13	1
41288_1289	41288	1289	86.8245	68.256	-1.569	3.8325	-53.583	552.0135	1
41289_1289	41289	1289	-138.687	30.498	-6.0345	-7.7055	132.8955	-1459.73	1
41289_1290	41289	1290	96.042	72.2565	2.9205	7.854	-61.9605	849.639	1
41290_1290	41290	1290	-147.998	26.436	-6.3555	-9.753	115.9305	-1273.83	1
41290_1291	41290	1291	99.762	74.6475	3.0915	9.582	-38.2755	363.9795	1
41291_1291	41291	1291	20.6685	96.294	-12.54	24.2385	-15.2595	-270.128	1
41291_1292	41291	1292	-4.695	10.743	7.62	-15.1365	84.075	804.159	1
41292_1292	41292	1292	19.827	98.403	4.3845	7.371	-104.774	-346.397	1
41292_1293	41292	1293	-6.213	6.8985	-4.6755	-2.0085	30.5775	1053.372	1
41293_1293	41293	1293	17.856	93.714	4.0035	3.5445	-48.105	-1052.1	1
41293_1294	41293	1294	-7.782	10.62	-4.827	2.1825	-16.446	1524.794	1
41294_1294	41294	1294	16.446	91.122	0.8715	12.7545	-4.65	-1763.07	1
41294_1295	41294	1295	-9.198	14.391	-0.1695	-7.587	-11.973	1973.417	1
41295_1295	41295	1295	15.3525	87.867	0.87	3.9135	2.034	-2069.25	1
41295_1296	41295	1296	-10.2015	16.851	-0.2595	0.2205	-11.4735	2213.577	1
41296_1296	41296	1296	14.8815	83.6205	0.9	2.2005	9.2865	-2301.2	1
41296_1297	41296	1297	-11.157	19.578	-0.378	2.265	-13.3725	2417.436	1
41297_1297	41297	1297	15.0495	84.3735	0.21	13.2435	18.024	-2849.4	1
41297_1298	41297	1298	-12.0495	20.682	-0.4725	-8.067	-15.2265	2801.652	1
41298_1298	41298	1298	15.423	79.8795	0.087	9.048	20.3955	-2817.64	1
41298_1299	41298	1299	-12.432	22.365	-0.447	-4.191	-19.134	2838.765	1
41299_1299	41299	1299	15.8085	73.4415	-0.0855	-0.2925	22.0575	-2963.58	1
41299_1300	41299	1300	-13.1835	26.061	-0.3645	5.034	-23.532	2988.713	1
41300_1300	41300	1300	16.038	69.7245	-0.513	11.532	21.4275	-3248.41	1
41300_1301	41300	1301	-14.103	28.7265	0.288	-5.9445	-18.816	3267.492	1
41301_1301	41301	1301	16.0455	63.4425	-0.6075	-3.318	14.583	-3629.49	1
41301_1302	41301	1302	-14.907	35.0415	0.426	7.782	-12.495	3598.442	1
41302_1302	41302	1302	15.8325	59.8875	-0.369	11.841	8.4045	-3688.03	1
41302_1303	41302	1303	-15.423	37.0725	0.186	-6.603	-7.902	3727.92	1
41303_1303	41303	1303	15.441	53.5575	-0.4725	-7.137	3.7395	-3915.28	1
41303_1304	41303	1304	-15.843	44.0115	0.3135	11.8695	-2.2965	3967.196	1
41304_1304	41304	1304	14.715	50.193	-0.471	8.7525	-0.2505	-3789.89	1
41304_1305	41304	1305	-16.026	45.6975	0.345	-4.4535	4.218	3949.041	1
41305_1305	41305	1305	13.8165	43.3455	-0.54	-6.87	-5.265	-3769.64	1
41305_1306	41305	1306	-16.035	52.7925	0.45	11.8575	11.0985	3997.469	1
41306_1306	41306	1306	12.5955	40.2615	-0.5115	5.9475	-9.168	-3519.04	1
41306_1307	41306	1307	-15.8505	54.51	0.471	-2.43	18.165	3891.515	1
41307_1307	41307	1307	10.929	32.1135	-0.5415	-5.799	-12.3195	-3140.86	1
41307_1308	41307	1308	-15.4395	61.344	0.5415	11.367	25.524	3640.628	1
41308_1308	41308	1308	8.934	27.1905	-0.4995	3.1665	-14.6805	-2651.79	1
41308_1309	41308	1309	-14.748	64.4415	0.351	0.0525	29.9205	3360.713	1
41309_1309	41309	1309	6.4395	18.366	-0.4815	-5.316	-15.042	-1994.46	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41309_1310	41309	1310	-13.797	72.09	0.456	12.9885	34.869	2900.372	1
41310_1310	41310	1310	3.8895	11.2665	0.396	0.4035	-12.9495	-1215.35	1
41310_1311	41310	1311	-12.516	77.2035	-1.245	3.7575	18.114	2277.137	1
41311_1311	41311	1311	-4.8555	9.561	-0.492	2.4675	25.014	254.016	1
41311_1312	41311	1312	-10.812	86.2365	-1.0605	11.8635	3.6915	1464.615	1
41312_1312	41312	1312	-4.9665	9.1845	-0.993	2.7285	17.8155	131.2485	1
41312_1313	41312	1313	-8.682	95.0085	-0.228	6.6675	0	-55.05	1

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95
	Max.	1.31	1.58	1.84	1.84	1.05			0.00	
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	

Fatigue I	Max/Min	1.5								
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VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
1000_1000	1000	1000	-1.9335	-7.7685	0.3525	-0.3825	0	-7.1265	1
1000_1001	1000	1001	110.2845	-84.8985	0.2505	-1.1895	4.2495	906.699	1
1001_1001	1001	1001	8.4705	-7.7685	0.351	-0.4185	5.988	76.9185	1
1001_1002	1001	1002	163.4565	-76.3515	0.279	-1.8555	7.7955	1339.227	1
1002_1002	1002	1002	-86.55	-9.9375	0.084	0.2325	-3.3315	-705.551	1
1002_1003	1002	1003	211.476	-70.7865	-0.1695	-1.224	6.102	1730.24	1
1003_1003	1003	1003	-139.475	-17.925	0.1125	0.6615	-3.876	-1137.97	1
1003_1004	1003	1004	245.5425	-62.487	-0.1845	-1.728	3.735	2007.537	1
1004_1004	1004	1004	-189.021	-22.995	0.123	0.1755	-3.501	-1542.54	1
1004_1005	1004	1005	272.7195	-60.126	-0.0915	-0.927	1.836	2228.505	1
1005_1005	1005	1005	-230.586	-31.4865	0.1215	0.6825	-2.481	-1881.76	1
1005_1006	1005	1006	288.6375	-52.674	-0.084	-1.485	-0.0435	2358.077	1
1006_1006	1006	1006	-258.642	-33.7515	0.1215	-0.141	-1.3305	-2111.15	1
1006_1007	1006	1007	301.005	-52.092	-0.0465	-0.546	-1.812	2458.5	1
1007_1007	1007	1007	-280.796	-41.415	0.108	0.414	0.1305	-2292.2	1
1007_1008	1007	1008	303.8055	-45.1365	-0.0285	-1.1385	-3.261	2481.29	1
1008_1008	1008	1008	-291.863	-42.2295	0.138	-0.4935	1.3785	-2383.11	1
1008_1009	1008	1009	304.68	-45.108	-0.0525	-0.216	-5.181	2488.209	1
1009_1009	1009	1009	-299.598	-49.455	0.1215	0.039	3.2265	-2446.59	1
1009_1010	1009	1010	297.1665	-38.466	-0.0315	-0.765	-6.6615	2427.062	1
1010_1010	1010	1010	-297.686	-49.9275	0.1695	-1.08	4.746	-2431.71	1
1010_1011	1010	1011	288.468	-38.3775	-0.0735	0.3525	-8.7225	2356.071	1
1011_1011	1011	1011	-293.522	-56.9055	0.1515	-0.012	7.026	-2398.24	1
1011_1012	1011	1012	272.472	-31.992	-0.0495	-0.699	-10.1715	2225.864	1
1012_1012	1012	1012	-280.823	-57.864	0.21	-0.756	8.853	-2295.51	1
1012_1013	1012	1013	254.8365	-31.0755	-0.084	-0.099	-12.0675	2082.173	1
1013_1013	1013	1013	-265.985	-64.7145	0.186	-0.966	11.454	-2175.21	1
1013_1014	1013	1014	232.1475	-25.0665	-0.0435	0.0915	-12.8175	1897.319	1
1014_1014	1014	1014	-243.369	-67.341	0.0075	-0.996	13.359	-1991.82	1
1014_1015	1014	1015	197.745	-20.7525	0.0615	0.057	-11.7555	1616.807	1
1015_1015	1015	1015	-225.386	-76.62	-0.0165	-0.675	8.571	-1718.5	1
1015_1016	1015	1016	190.584	-16.6485	0.0435	0.2355	-7.3935	1485.926	1
1016_1016	1016	1016	-194.55	-78.96	-0.3135	-0.549	8.1345	-1538.44	1
1016_1017	1016	1017	145.632	-13.7295	0.2265	0.093	-4.6065	1264.667	1
1017_1017	1017	1017	-141.143	-85.6605	-0.318	-0.8445	4.1175	-1289.29	1
1017_1018	1017	1018	91.638	-8.889	0.165	0.2715	-2.8635	992.1105	1
1018_1018	1018	1018	-80.0295	-91.032	0.696	-0.627	0.0045	-950.291	1
1018_1019	1018	1019	50.3865	-4.7745	-0.18	0.153	-6.246	697.233	1
1019_1019	1019	1019	-32.8965	-97.5825	0.594	-0.93	8.103	-601.295	1
1019_1020	1019	1020	31.308	-2.505	-0.039	0.2955	-6.036	549.6	1
1020_1020	1020	1020	-170.768	-16.0275	-1.194	-0.132	38.871	-669.365	1
1020_1021	1020	1021	112.317	-77.118	0.906	-0.306	-17.6055	479.6445	1
1021_1021	1021	1021	-175.755	-19.3485	-0.9015	0.027	20.355	-741.941	1
1021_1022	1021	1022	126.246	-71.739	0.6285	-0.3075	-7.005	592.968	1
1022_1022	1022	1022	-178.83	-22.638	-0.864	-0.0105	12.444	-801.35	1
1022_1023	1022	1023	138.0405	-66.402	0.5415	-0.2835	-1.416	696.6735	1
1023_1023	1023	1023	-180.59	-25.644	-0.1575	-0.111	4.989	-853.191	1
1023_1024	1023	1024	149.496	-61.878	0.0435	-0.1935	-0.264	792.291	1
1024_1024	1024	1024	-181.218	-29.6175	-0.1395	-0.0585	3.1185	-896.363	1
1024_1025	1024	1025	158.193	-56.1435	0.021	-0.2415	0.519	862.785	1
1025_1025	1025	1025	-180.3	-34.0485	-0.111	-0.114	1.527	-926.229	1
1025_1026	1025	1026	164.1075	-50.5035	-0.0105	-0.189	0.876	907.7175	1
1026_1026	1026	1026	-178.421	-36.498	-0.054	-0.072	0.3195	-943.743	1
1026_1027	1026	1027	168.264	-49.116	-0.0105	-0.2025	0.9645	935.568	1
1027_1027	1027	1027	-177.089	-40.209	-0.0315	-0.201	-0.15	-953.921	1
1027_1028	1027	1028	170.631	-44.9355	-0.03	-0.0765	0.8775	947.7195	1
1028_1028	1028	1028	-175.095	-44.2005	-0.0255	-0.15	-0.4455	-955.547	1
1028_1029	1028	1029	171.501	-40.9215	-0.0375	-0.132	0.6945	946.1055	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1029_1029	1029	1029	-171.66	-48.351	-0.015	-0.129	-0.6435	-943.677	1
1029_1030	1029	1030	171.6645	-37.1715	-0.0465	-0.15	0.3975	935.754	1
1030_1030	1030	1030	-166.49	-49.8765	-0.003	-0.2475	-0.717	-916.445	1
1030_1031	1030	1031	171.8355	-34.731	-0.1065	-0.0405	-0.5775	917.1795	1
1031_1031	1031	1031	-159.095	-55.467	0.021	-0.2205	-0.5085	-871.395	1
1031_1032	1031	1032	170.913	-30.243	-0.126	-0.081	-1.887	885.6315	1
1032_1032	1032	1032	-148.962	-61.1805	0.0405	-0.1635	0.0375	-801.099	1
1032_1033	1032	1033	168.294	-26.196	-0.144	-0.1395	-3.492	839.6685	1
1033_1033	1033	1033	-136.061	-65.7525	0.537	-0.2775	0.903	-705.722	1
1033_1034	1033	1034	164.3265	-22.9875	-0.864	-0.1785	-10.8105	783.1065	1
1034_1034	1034	1034	-122.691	-71.1315	0.6315	-0.249	6.255	-601.148	1
1034_1035	1034	1035	158.958	-19.6005	-0.8955	-0.165	-18.5025	717.444	1
1035_1035	1035	1035	-106.521	-76.575	1.005	-0.678	16.7835	-488.246	1
1035_1036	1035	1036	150.324	-16.2	-1.2885	0.276	-37.362	638.6175	1
1036_1036	1036	1036	-35.4555	-9.786	-0.0765	-0.1365	1.002	-475.781	1
1036_1037	1036	1037	-9.54	-92.5155	0.492	-0.87	-6.3165	441.453	1
1037_1037	1037	1037	-36.78	-10.0215	-0.0735	-0.183	-0.1275	-379.392	1
1037_1038	1037	1038	25.497	-86.502	0.588	-0.6795	0.573	720.534	1
1038_1038	1038	1038	-58.731	-11.2335	0.1755	0.2085	2.193	-884.001	1
1038_1039	1038	1039	71.829	-81.453	-0.294	-0.8055	-3.312	987.6015	1
1039_1039	1039	1039	-100.311	-15.5505	0.2295	0.1425	4.08	-1098.96	1
1039_1040	1039	1040	113.3805	-75.6975	-0.2685	-0.6225	-6.6525	1180.233	1
1040_1040	1040	1040	-133.296	-18.3525	0.0525	0.141	6.795	-1268.25	1
1040_1041	1040	1041	137.343	-73.761	-0.114	-0.5715	-7.677	1321.506	1
1041_1041	1041	1041	-172.5	-21.768	0.0315	0.081	3.528	-1281.14	1
1041_1042	1041	1042	193.2945	-63.8265	-0.051	-0.426	-4.62	1440.516	1
1042_1042	1042	1042	-198.192	-26.1285	0.0045	0.0255	4.32	-1461.47	1
1042_1043	1042	1043	215.451	-60.792	-0.009	-0.366	-4.7535	1576.893	1
1043_1043	1043	1043	-215.148	-32.229	0.003	-0.015	4.548	-1576.59	1
1043_1044	1043	1044	229.65	-53.673	-0.0075	-0.327	-4.8195	1660.641	1
1044_1044	1044	1044	-227.292	-34.4145	-0.006	-0.078	4.692	-1656.32	1
1044_1045	1044	1045	241.185	-51.24	0	-0.2655	-4.788	1725.792	1
1045_1045	1045	1045	-237.44	-41.076	-0.009	-0.129	4.7175	-1720.01	1
1045_1046	1045	1046	244.1625	-44.2125	0.0015	-0.2145	-4.7235	1735.457	1
1046_1046	1046	1046	-240.285	-43.1835	0	-0.207	4.683	-1734.33	1
1046_1047	1046	1047	244.7355	-42.0345	-0.0075	-0.135	-4.7715	1728.668	1
1047_1047	1047	1047	-241.041	-50.2065	0	-0.249	4.764	-1733.02	1
1047_1048	1047	1048	237.4845	-35.304	-0.006	-0.0945	-4.77	1671.072	1
1048_1048	1048	1048	-233.291	-52.4595	-0.0015	-0.267	4.8105	-1676.12	1
1048_1049	1048	1049	227.847	-33.1365	0	-0.0855	-4.692	1597.148	1
1049_1049	1049	1049	-222.95	-59.6205	-0.006	-0.4095	4.839	-1601.49	1
1049_1050	1049	1050	212.733	-26.9385	0.003	0.0585	-4.488	1486.715	1
1050_1050	1050	1050	-204.237	-62.544	-0.0435	-0.39	4.764	-1472.62	1
1050_1051	1050	1051	188.775	-22.545	0.0255	0.027	-3.7815	1312.68	1
1051_1051	1051	1051	-163.407	-72.552	-0.057	-0.654	4.536	-1307.13	1
1051_1052	1051	1052	160.2105	-18.687	0.0255	0.2295	-4.005	1248.662	1
1052_1052	1052	1052	-139.455	-74.814	-0.168	-0.561	4.029	-1172.87	1
1052_1053	1052	1053	125.073	-15.5655	0.129	0.1005	-2.4195	1088.94	1
1053_1053	1053	1053	-85.998	-81.3885	-0.2415	-1.173	2.691	-1047.12	1
1053_1054	1053	1054	71.823	-11.0265	0.1305	0.342	-1.863	928.8135	1
1054_1054	1054	1054	-40.875	-86.829	0.495	-0.903	-0.372	-772.028	1
1054_1055	1054	1055	53.5485	-7.2885	-0.021	-0.2145	1.5855	328.9305	1
1055_1055	1055	1055	-6.0735	-93.438	0.4245	-1.095	5.5455	-483.48	1
1055_1056	1055	1056	52.905	-6.2685	-0.024	-0.2175	1.272	398.8305	1
1056_1056	1056	1056	-164.601	-16.7895	-0.81	-0.165	25.3995	-699.488	1
1056_1057	1056	1057	124.9815	-76.053	0.636	-0.483	-11.4885	589.3065	1
1057_1057	1057	1057	-171.857	-20.4345	-0.708	-0.0705	15.027	-803.777	1
1057_1058	1057	1058	137.4765	-70.9935	0.5085	-0.549	-4.977	716.448	1
1058_1058	1058	1058	-177.024	-23.895	-0.693	0.057	8.8575	-879.167	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1058_1059	1058	1059	148.5765	-65.7795	0.4485	-0.618	-0.5205	823.7625	1
1059_1059	1059	1059	-180.432	-26.8515	-0.105	-0.1095	2.925	-943.352	1
1059_1060	1059	1060	159.159	-61.455	0.03	-0.5505	0.2265	921.471	1
1060_1060	1060	1060	-182.603	-30.9255	-0.084	-0.195	1.653	-996.917	1
1060_1061	1060	1061	167.0655	-55.881	0.009	-0.4575	0.6735	991.965	1
1061_1061	1061	1061	-182.979	-35.403	-0.063	-0.33	0.6435	-1034.15	1
1061_1062	1061	1062	172.368	-50.4075	-0.0135	-0.3315	0.825	1035.669	1
1062_1062	1062	1062	-182.16	-37.8285	-0.0405	-0.117	-0.0975	-1056.49	1
1062_1063	1062	1063	176.067	-49.0815	-0.006	-0.4995	0.861	1062.203	1
1063_1063	1063	1063	-181.464	-41.52	-0.024	-0.336	-0.435	-1069.17	1
1063_1064	1063	1064	178.1145	-45.027	-0.0195	-0.2685	0.756	1072.391	1
1064_1064	1064	1064	-180.017	-45.447	-0.018	-0.27	-0.639	-1072.03	1
1064_1065	1064	1065	178.7865	-41.112	-0.027	-0.3345	0.5745	1068.2	1
1065_1065	1065	1065	-177.135	-49.5195	-0.003	-0.5205	-0.7665	-1060.25	1
1065_1066	1065	1066	178.755	-37.4415	-0.0435	-0.0975	0.255	1054.343	1
1066_1066	1066	1066	-172.584	-50.8035	-0.006	-0.387	-0.7515	-1032.03	1
1066_1067	1066	1067	178.713	-35.079	-0.069	-0.243	-0.486	1031.001	1
1067_1067	1067	1067	-166.158	-56.277	0.0165	-0.5145	-0.5955	-986.3	1
1067_1068	1067	1068	177.6285	-30.633	-0.0885	-0.1215	-1.4865	993.3165	1
1068_1068	1068	1068	-157.14	-61.8495	0.03	-0.4005	-0.15	-913.842	1
1068_1069	1068	1069	174.954	-26.61	-0.099	-0.246	-2.6655	940.3695	1
1069_1069	1069	1069	-145.481	-66.141	0.456	-0.6195	0.528	-814.868	1
1069_1070	1069	1070	171.0615	-23.6925	-0.705	0.0585	-8.643	877.104	1
1070_1070	1070	1070	-133.433	-71.34	0.5175	-0.549	4.992	-706.326	1
1070_1071	1070	1071	165.744	-20.2875	-0.72	-0.069	-14.865	803.6025	1
1071_1071	1071	1071	-119.844	-76.407	0.6645	-0.477	11.874	-579.825	1
1071_1072	1071	1072	158.334	-16.7325	-0.846	-0.177	-26.016	704.9355	1
1072_1072	1072	1072	-23.5035	-8.4375	-0.0405	-0.138	2.0625	-363.846	1
1072_1073	1072	1073	0.72	-93.033	0.426	-1.14	-5.5335	518.769	1
1073_1073	1073	1073	-24.498	-8.5425	-0.039	-0.2325	1.428	-284.667	1
1073_1074	1073	1074	38.052	-86.838	0.495	-0.936	0.426	822.6555	1
1074_1074	1074	1074	-64.926	-10.9815	0.132	0.357	1.8825	-939.483	1
1074_1075	1074	1075	87.0855	-81.882	-0.255	-1.206	-2.79	1116.711	1
1075_1075	1075	1075	-119.942	-15.222	0.129	0.099	2.433	-1109.82	1
1075_1076	1075	1076	146.439	-75.7005	-0.1815	-0.552	-4.299	1257.675	1
1076_1076	1076	1076	-157.632	-17.9625	0.0345	0.2055	4.0425	-1285.85	1
1076_1077	1076	1077	174.315	-73.7775	-0.0495	-0.627	-4.806	1409.805	1
1077_1077	1077	1077	-164.847	-21.9195	0.0495	0.063	6.243	-1435.41	1
1077_1078	1077	1078	191.121	-65.496	-0.054	-0.8055	-7.815	1663.953	1
1078_1078	1078	1078	-189.227	-25.752	-0.0015	0.1335	7.272	-1635.96	1
1078_1079	1078	1079	211.4625	-63.066	0.0285	-0.849	-7.608	1814.853	1
1079_1079	1079	1079	-206.43	-31.4595	-0.0165	-0.006	7.4055	-1773.68	1
1079_1080	1079	1080	225.327	-56.5395	0.0375	-0.699	-7.203	1915.76	1
1080_1080	1080	1080	-219.957	-33.2655	-0.003	-0.048	7.1835	-1879.12	1
1080_1081	1080	1081	237.1005	-54.7785	0.015	-0.6585	-7.0905	1999.926	1
1081_1081	1081	1081	-231.948	-39.381	-0.012	-0.2085	7.1415	-1970.16	1
1081_1082	1081	1082	241.971	-48.324	0.0225	-0.492	-6.8475	2031.546	1
1082_1082	1082	1082	-238.079	-40.809	0.009	-0.159	6.909	-2015.02	1
1082_1083	1082	1083	245.0205	-46.416	0.0015	-0.567	-6.9045	2048.433	1
1083_1083	1083	1083	-242.936	-47.6295	-0.0015	-0.591	6.9675	-2048.42	1
1083_1084	1083	1084	240.3255	-39.654	0.012	-0.1365	-6.783	2006.436	1
1084_1084	1084	1084	-239.982	-49.4385	0.033	-0.3735	6.828	-2021.94	1
1084_1085	1084	1085	234.5055	-38.3295	-0.0195	-0.345	-7.077	1955.592	1
1085_1085	1085	1085	-235.338	-55.92	0.021	-0.84	7.146	-1982.3	1
1085_1086	1085	1086	222.822	-32.28	-0.0075	0.108	-7.131	1859.429	1
1086_1086	1086	1086	-223.755	-57.4485	0.03	-0.5715	7.2825	-1889.89	1
1086_1087	1086	1087	209.946	-30.738	-0.0075	-0.1515	-7.218	1752.827	1
1087_1087	1087	1087	-210.45	-63.957	0.0165	-0.972	7.5525	-1783.98	1
1087_1088	1087	1088	192.9975	-25.083	0.0075	0.237	-6.9705	1613.048	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1088_1088	1088	1088	-190.731	-66.345	-0.0195	-0.9375	7.5735	-1629.11	1
1088_1089	1088	1089	169.764	-21.6315	0.012	0.2325	-6.537	1419.485	1
1089_1089	1089	1089	-158.78	-74.6985	-0.021	-0.8205	6.252	-1469.33	1
1089_1090	1089	1090	147.18	-17.793	0.009	0.144	-5.5605	1348.622	1
1090_1090	1090	1090	-133.874	-76.7535	-0.225	-0.96	5.9445	-1308.75	1
1090_1091	1090	1091	112.3815	-14.7915	0.168	0.234	-3.4215	1156.226	1
1091_1091	1091	1091	-89.5335	-82.911	-0.291	-1.044	3.975	-1096.1	1
1091_1092	1091	1092	68.1645	-10.1655	0.156	0.2715	-2.4705	920.2815	1
1092_1092	1092	1092	-41.5335	-87.939	0.591	-0.81	0.1905	-794.693	1
1092_1093	1092	1093	30.3315	-8.73	-0.0255	-0.243	-0.267	329.262	1
1093_1093	1093	1093	-4.9245	-94.4055	0.513	-1.074	7.2255	-481.935	1
1093_1094	1093	1094	25.653	-8.577	-0.0255	-0.135	-0.8625	401.7195	1
1094_1094	1094	1094	-164.772	-16.7505	-0.918	-0.1215	28.683	-701.384	1
1094_1095	1094	1095	124.6515	-75.84	0.714	-0.5025	-12.8745	593.43	1
1095_1095	1095	1095	-167.283	-20.4615	-1.0095	0.0435	21.198	-822.983	1
1095_1096	1095	1096	133.038	-70.8765	0.7185	-0.6705	-6.9225	738.108	1
1096_1096	1096	1096	-171.803	-23.967	-0.954	-0.2595	12.402	-900.966	1
1096_1097	1096	1097	143.0505	-65.5095	0.609	-0.438	-0.8265	847.902	1
1097_1097	1097	1097	-174.558	-26.9415	-0.147	-0.1755	4.215	-967.101	1
1097_1098	1097	1098	152.553	-61.2195	0.033	-0.45	0.153	947.5665	1
1098_1098	1098	1098	-176.18	-31.089	-0.114	-0.303	2.4375	-1022.55	1
1098_1099	1098	1099	159.6345	-55.623	0.0015	-0.3375	0.684	1019.666	1
1099_1099	1099	1099	-176.069	-35.673	-0.0975	-0.1905	1.0635	-1060.81	1
1099_1100	1099	1100	164.223	-50.1285	-0.0225	-0.435	0.846	1063.694	1
1100_1100	1100	1100	-174.771	-37.6935	-0.003	-1.2585	0	-1082.91	1
1100_1101	1100	1101	167.6115	-49.47	-0.069	1.0125	0.5025	1092.048	1
1101_1101	1101	1101	-173.832	-41.391	0.006	-1.359	-0.126	-1096.21	1
1101_1102	1101	1102	169.4295	-45.372	-0.0795	0.945	0	1103.336	1
1102_1102	1102	1102	-172.212	-45.3405	-0.087	1.104	-0.147	-1099.48	1
1102_1103	1102	1103	170.193	-41.4105	0.0045	-1.5165	-0.075	1101.561	1
1103_1103	1103	1103	-169.509	-49.4415	-0.0615	0.8145	-0.6405	-1089.65	1
1103_1104	1103	1104	170.226	-37.692	-0.0195	-1.071	-0.354	1089.147	1
1104_1104	1104	1104	-165.179	-50.055	-0.0285	-0.3375	-0.876	-1062.38	1
1104_1105	1104	1105	170.4225	-35.697	-0.093	-0.294	-1.4655	1068.78	1
1105_1105	1105	1105	-159.431	-55.551	0.006	-0.4815	-0.678	-1020.67	1
1105_1106	1105	1106	169.4385	-31.095	-0.123	-0.144	-2.994	1031.679	1
1106_1106	1106	1106	-151.152	-61.146	0.0285	-0.3735	-0.021	-950.559	1
1106_1107	1106	1107	166.7715	-26.9265	-0.1425	-0.255	-4.8255	977.2185	1
1107_1107	1107	1107	-140.451	-65.475	0.624	-0.609	1.008	-853.02	1
1107_1108	1107	1108	162.9015	-23.931	-0.9765	0.0165	-13.287	911.2335	1
1108_1108	1108	1108	-129.26	-70.821	0.711	-0.537	7.3155	-744.555	1
1108_1109	1108	1109	157.3995	-20.385	-0.999	-0.1095	-22.11	833.1135	1
1109_1109	1109	1109	-119.565	-75.8295	0.726	-0.4545	13.503	-602.105	1
1109_1110	1109	1110	153.4155	-16.6275	-0.9315	-0.1425	-30.1065	711.591	1
1110_1110	1110	1110	-23.4585	-4.5255	-0.0195	-0.093	-0.0915	-255.386	1
1110_1111	1110	1111	-2.6295	-91.4145	0.5385	-1.179	-8.733	531.9	1
1111_1111	1111	1111	-30.885	-7.743	-0.222	0.129	6.855	-694.752	1
1111_1112	1111	1112	31.815	-84.9825	0.624	-0.8355	-1.4925	818.031	1
1112_1112	1112	1112	-61.8945	-11.8155	0.135	0.3285	3.3255	-951.617	1
1112_1113	1112	1113	76.434	-79.944	-0.2415	-1.1445	-4.779	1089.366	1
1113_1113	1113	1113	-103.824	-16.455	0.1425	0.138	3.9315	-1168.02	1
1113_1114	1113	1114	117.2685	-73.932	-0.1755	-0.903	-6.066	1272.578	1
1114_1114	1114	1114	-135.381	-19.341	0.0225	0.4965	5.751	-1340.42	1
1114_1115	1114	1115	139.5525	-72.135	-0.042	-1.218	-6.5175	1414.326	1
1115_1115	1115	1115	-171.714	-23.0415	0.015	-0.0075	5.0745	-1316.29	1
1115_1116	1115	1116	186.186	-62.9355	-0.0195	-0.4995	-5.8845	1459.982	1
1116_1116	1116	1116	-192.764	-26.6775	-0.0195	0.0525	5.52	-1475.25	1
1116_1117	1116	1117	204.375	-60.708	0.0375	-0.525	-5.514	1582.634	1
1117_1117	1117	1117	-207.312	-32.532	-0.03	-0.024	5.4105	-1582.94	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1117_1118	1117	1118	215.622	-53.9745	0.0465	-0.4485	-4.9725	1658.115	1
1118_1118	1118	1118	-217.329	-34.068	-0.0225	0.0135	5.046	-1657.23	1
1118_1119	1118	1119	225.135	-52.386	0.03	-0.504	-4.614	1720.998	1
1119_1119	1119	1119	-226.095	-40.332	-0.0345	-0.2595	4.773	-1720.84	1
1119_1120	1119	1120	227.1015	-45.711	0.0405	-0.234	-4.113	1733.216	1
1120_1120	1120	1120	-228.557	-41.5965	-0.0195	-0.234	4.2945	-1740.74	1
1120_1121	1120	1121	227.3625	-43.9845	0.024	-0.2505	-3.813	1733.07	1
1121_1121	1121	1121	-229.866	-48.615	-0.0255	-0.3075	3.987	-1751.42	1
1121_1122	1121	1122	219.336	-37.026	0.03	-0.1815	-3.429	1677.248	1
1122_1122	1122	1122	-222.773	-50.4195	-0.0045	-0.3795	3.5655	-1705.47	1
1122_1123	1122	1123	210.672	-35.7795	0.009	-0.1065	-3.36	1615.908	1
1123_1123	1123	1123	-214.352	-57.096	-0.0105	-0.459	3.4455	-1649.59	1
1123_1124	1123	1124	195.9825	-29.6055	0.015	-0.0345	-3.1905	1513.113	1
1124_1124	1124	1124	-198.516	-58.6035	0.009	-0.4305	3.246	-1544.05	1
1124_1125	1124	1125	180.6885	-28.173	0	-0.0735	-3.231	1403.978	1
1125_1125	1125	1125	-181.113	-65.3085	-0.0015	-0.6345	3.3195	-1427.15	1
1125_1126	1125	1126	161.8275	-22.5015	0.012	0.123	-3.0465	1267.668	1
1126_1126	1126	1126	-156.951	-67.5345	-0.072	-0.5715	3.24	-1264.46	1
1126_1127	1126	1127	138.219	-19.5405	0.0675	0.066	-2.049	1092.837	1
1127_1127	1127	1127	-128.67	-75.4575	-0.075	-0.429	1.881	-1057.77	1
1127_1128	1127	1128	123.0255	-15.8295	0.06	0.1035	-1.3455	990.1305	1
1128_1128	1128	1128	-100.716	-76.794	-0.177	-0.4065	1.2045	-903.582	1
1128_1129	1128	1129	89.844	-13.5825	0.132	0.036	0.1245	831.0495	1
1129_1129	1129	1129	-47.5905	-82.9425	-0.231	-0.906	-1.1325	-750.59	1
1129_1130	1129	1130	49.1175	-9.6765	-0.087	-0.1125	-1.8495	366.945	1
1130_1130	1130	1130	-4.8195	-87.558	0.4695	-0.69	-3.912	-462.452	1
1130_1131	1130	1131	46.434	-8.9415	-0.0375	-0.1725	-2.4315	450.7515	1
1131_1131	1131	1131	25.68	-93.846	0.426	-0.7335	2.1525	-172.574	1
1131_1132	1131	1132	39.8235	-8.607	-0.036	-0.024	-2.9475	524.139	1
1132_1132	1132	1132	-148.455	-13.2915	-0.594	-0.612	17.4255	-508.931	1
1132_1133	1132	1133	109.8	-76.965	0.5325	0.282	-8.682	450.9675	1
1133_1133	1133	1133	-159.18	-17.3145	-0.558	-0.2775	10.3635	-620.817	1
1133_1134	1133	1134	126.255	-71.145	0.453	0.009	-3.561	578.7315	1
1134_1134	1134	1134	-166.149	-21.219	-0.6825	0.9915	5.667	-704.979	1
1134_1135	1134	1135	140.0115	-65.5635	0.492	-0.837	0.7875	696.7695	1
1135_1135	1135	1135	-171.629	-23.34	-0.0105	-0.117	0.0765	-779.346	1
1135_1136	1135	1136	153.531	-61.4475	-0.0225	-0.1845	0.732	807.5715	1
1136_1136	1136	1136	-176.226	-27.7785	-0.0135	0.0495	-0.18	-847.869	1
1136_1137	1136	1137	163.2045	-55.227	-0.0195	-0.339	0.6195	887.07	1
1137_1137	1137	1137	-178.397	-32.664	0	-0.0195	-0.3855	-897.864	1
1137_1138	1137	1138	169.1685	-49.1505	-0.03	-0.246	0.387	935.472	1
1138_1138	1138	1138	-178.769	-35.1105	-0.006	-0.0825	-0.42	-930.623	1
1138_1139	1138	1139	173.172	-48.0165	-0.012	-0.192	0.267	965.133	1
1139_1139	1139	1139	-179.049	-39.1635	0.0075	-0.2325	-0.438	-951.992	1
1139_1140	1139	1140	174.9225	-43.5105	-0.021	-0.0405	0.078	976.269	1
1140_1140	1140	1140	-178.146	-43.5075	0.009	-0.204	-0.3735	-961.814	1
1140_1141	1140	1141	174.738	-39.1785	-0.0225	-0.081	-0.1275	970.965	1
1141_1141	1141	1141	-175.32	-48.027	0.003	0.0195	-0.2835	-955.287	1
1141_1142	1141	1142	173.478	-35.145	-0.0165	-0.2865	-0.3045	954.6765	1
1142_1142	1142	1142	-170.295	-49.302	-0.0105	-0.3105	-0.201	-930.708	1
1142_1143	1142	1143	171.486	-32.7255	-0.0255	0.036	-0.657	926.7255	1
1143_1143	1143	1143	-162.77	-55.3485	-0.0045	-0.2835	-0.126	-887.694	1
1143_1144	1143	1144	167.6925	-27.8205	-0.0315	-0.018	-1.1115	881.2455	1
1144_1144	1144	1144	-151.662	-61.5225	-0.003	-0.123	0.0495	-814.454	1
1144_1145	1144	1145	161.5845	-23.3805	-0.03	-0.1815	-1.5975	817.569	1
1145_1145	1145	1145	-137.034	-66.1095	0.3495	-0.3825	0.3	-711.162	1
1145_1146	1145	1146	154.1685	-20.295	-0.5025	0.0975	-5.8035	743.151	1
1146_1146	1146	1146	-121.578	-71.874	0.39	-0.3525	3.5955	-597.105	1
1146_1147	1146	1147	144.6405	-16.5195	-0.5085	0.0315	-10.0995	656.2155	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1147_1147	1147	1147	-102.626	-77.688	0.456	-0.387	7.914	-471.081	1
1147_1148	1147	1148	130.2345	-12.6135	-0.5415	-0.1275	-16.2435	546.5295	1
1148_1148	1148	1148	-46.227	-5.289	-0.0195	-0.0555	0.6555	-382.959	1
1148_1149	1148	1149	-30.1395	-87.7335	0.324	-0.7515	-2.946	344.3115	1
1149_1149	1149	1149	-14.0055	-8.97	-0.105	0.0645	2.7825	-553.478	1
1149_1150	1149	1150	-1.464	-81.3255	0.381	-0.651	1.791	591.9345	1
1150_1150	1150	1150	-39.8625	-12.927	0.0855	0.138	0.5985	-772.275	1
1150_1151	1150	1151	37.17	-76.491	-0.1725	-0.777	-0.204	828.2355	1
1151_1151	1151	1151	-85.686	-17.2035	0.0975	0.063	1.005	-894.54	1
1151_1152	1151	1152	85.821	-70.485	-0.129	-0.372	-1.641	925.6695	1
1152_1152	1152	1152	-114.162	-19.7175	0.0375	0.0435	2.043	-1024.55	1
1152_1153	1152	1153	108.189	-69.0945	-0.0705	-0.3285	-2.196	1045.767	1
1153_1153	1153	1153	-139.271	-23.463	0.0375	0.0315	1.998	-1069.69	1
1153_1154	1153	1154	142.476	-60.4335	-0.057	-0.2565	-2.6445	1153.301	1
1154_1154	1154	1154	-155.133	-26.9505	-0.006	-0.0075	2.604	-1189.16	1
1154_1155	1154	1155	159.7365	-57.621	0	-0.222	-2.61	1258.533	1
1155_1155	1155	1155	-166.661	-33.066	-0.0105	-0.0375	2.604	-1273.59	1
1155_1156	1155	1156	169.5555	-50.5395	0.0045	-0.1935	-2.5095	1316.859	1
1156_1156	1156	1156	-173.457	-35.181	-0.0045	-0.0615	2.514	-1325.48	1
1156_1157	1156	1157	177.0795	-48.825	-0.003	-0.1695	-2.5215	1359.167	1
1157_1157	1157	1157	-178.421	-41.2365	-0.0105	-0.1065	2.5095	-1362.5	1
1157_1158	1157	1158	178.392	-42.495	0.0015	-0.126	-2.4765	1362.536	1
1158_1158	1158	1158	-177.993	-42.843	0.003	-0.126	2.4375	-1364.59	1
1158_1159	1158	1159	178.6995	-40.908	-0.009	-0.105	-2.5635	1357.565	1
1159_1159	1159	1159	-176.555	-49.1685	-0.003	-0.171	2.5125	-1358.09	1
1159_1160	1159	1160	173.541	-34.854	-0.0045	-0.06	-2.58	1317.483	1
1160_1160	1160	1160	-168.957	-50.904	0.0045	-0.2235	2.5245	-1312.88	1
1160_1161	1160	1161	166.491	-32.7765	-0.012	0	-2.697	1262.339	1
1161_1161	1161	1161	-159.024	-57.9555	0.006	-0.18	2.6445	-1251.18	1
1161_1162	1161	1162	154.596	-26.655	-0.0105	-0.042	-2.7675	1174.581	1
1162_1162	1162	1162	-141.683	-60.9405	-0.072	-0.2685	2.766	-1143.16	1
1162_1163	1162	1163	137.9025	-23.013	0.0495	0.045	-1.998	1049.465	1
1163_1163	1163	1163	-108.849	-69.5565	-0.081	-0.294	1.968	-1020.82	1
1163_1164	1163	1164	114.264	-19.23	0.045	0.018	-1.833	992.1225	1
1164_1164	1164	1164	-86.0295	-71.0955	-0.123	-0.378	1.353	-898.13	1
1164_1165	1164	1165	85.1625	-16.635	0.096	0.087	-0.846	858.1545	1
1165_1165	1165	1165	-41.6475	-77.016	-0.147	-0.5475	-0.03	-768.846	1
1165_1166	1165	1166	42.8175	-12.2655	0.0735	0.0705	-0.411	709.9575	1
1166_1166	1166	1166	-1.0275	-82.1355	0.318	-0.501	-1.713	-532.968	1
1166_1167	1166	1167	15.6045	-8.238	-0.087	0.066	-2.2635	496.0125	1
1167_1167	1167	1167	29.2275	-88.59	0.2685	-0.573	2.274	-284.282	1
1167_1168	1167	1168	54.633	-5.6745	-0.0165	-0.039	-0.7065	426.522	1
1168_1168	1168	1168	-135.906	-12.8055	-0.4635	-0.0945	13.698	-520.574	1
1168_1169	1168	1169	106.02	-77.541	0.3915	-0.312	-6.726	443.6475	1
1169_1169	1169	1169	-149.598	-16.632	-0.3765	0.054	7.344	-629.012	1
1169_1170	1169	1170	124.818	-71.862	0.291	-0.3405	-2.631	570.9885	1
1170_1170	1170	1170	-159.363	-20.328	-0.3735	0.1155	4.1805	-712.4	1
1170_1171	1170	1171	140.8605	-66.1755	0.261	-0.366	-0.186	683.7735	1
1171_1171	1171	1171	-167.166	-23.5425	-0.0405	-0.1365	1.0755	-784.551	1
1171_1172	1171	1172	155.955	-61.416	0.0075	-0.1575	0.063	785.496	1
1172_1172	1172	1172	-173.327	-27.915	-0.0405	0.0225	0.5985	-845.748	1
1172_1173	1172	1173	167.28	-55.335	0.006	-0.3075	0.231	858.588	1
1173_1173	1173	1173	-177.134	-32.7405	-0.03	-0.0465	0.1635	-890.01	1
1173_1174	1173	1174	174.906	-49.3665	-0.006	-0.228	0.264	903.015	1
1174_1174	1174	1174	-179.096	-35.2905	-0.003	-0.219	-0.1395	-917.997	1
1174_1175	1174	1175	179.958	-47.9655	-0.0045	-0.036	0.24	929.0745	1
1175_1175	1175	1175	-180.255	-39.2835	-0.0075	-0.027	-0.1785	-934.347	1
1175_1176	1175	1176	182.7555	-43.524	0	-0.2415	0.231	938.0625	1
1176_1176	1176	1176	-180.287	-43.5645	-0.0015	-0.1575	-0.237	-940.34	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1176_1177	1176	1177	183.504	-39.246	-0.006	-0.105	0.177	931.239	1
1177_1177	1177	1177	-178.283	-48.012	0	-0.12	-0.2535	-930.516	1
1177_1178	1177	1178	183.0885	-35.256	-0.0075	-0.1365	0.1125	913.962	1
1178_1178	1178	1178	-174.003	-49.4415	-0.003	-0.2025	-0.252	-903.432	1
1178_1179	1178	1179	182.184	-32.724	-0.0315	-0.087	-0.207	885.312	1
1179_1179	1179	1179	-167.427	-55.404	0.0075	-0.2745	-0.198	-857.721	1
1179_1180	1179	1180	179.4075	-27.912	-0.042	-0.0195	-0.6585	840.5295	1
1180_1180	1180	1180	-157.14	-61.4895	0.0135	-0.228	-0.0045	-783.278	1
1180_1181	1180	1181	174.252	-23.5635	-0.048	-0.072	-1.188	778.992	1
1181_1181	1181	1181	-143.186	-66.3	0.258	-0.3645	0.3015	-680.282	1
1181_1182	1181	1182	167.628	-20.3775	-0.366	0.1275	-4.239	707.157	1
1182_1182	1182	1182	-128.153	-71.9625	0.288	-0.3435	2.727	-566.379	1
1182_1183	1182	1183	158.937	-16.722	-0.369	0.069	-7.3335	624.6225	1
1183_1183	1183	1183	-110.951	-77.568	0.36	-0.2805	6.411	-435.558	1
1183_1184	1183	1184	147.3945	-12.936	-0.423	-0.114	-12.747	514.335	1
1184_1184	1184	1184	-37.041	-8.9085	-0.021	-0.1005	0.9975	-429.63	1
1184_1185	1184	1185	-20.9085	-91.5435	0.249	-0.5625	-1.917	246.621	1
1185_1185	1185	1185	-42.447	-9.267	-0.024	-0.084	0.633	-355.218	1
1185_1186	1185	1186	12.8295	-85.0845	0.288	-0.51	1.7865	522.3855	1
1186_1186	1186	1186	-49.224	-10.806	0.0705	0.0705	0.381	-683.085	1
1186_1187	1186	1187	58.5735	-79.6575	-0.147	-0.549	0.1275	786.6465	1
1187_1187	1187	1187	-94.5465	-15.201	0.093	0.09	0.795	-850.563	1
1187_1188	1187	1188	107.7195	-73.4385	-0.126	-0.372	-1.2855	941.5785	1
1188_1188	1188	1188	-127.788	-18.018	0.048	0.0195	1.761	-1002.21	1
1188_1189	1188	1189	133.845	-71.298	-0.0855	-0.336	-1.9455	1078.655	1
1189_1189	1189	1189	-149.531	-22.011	0.054	0.072	1.9935	-1126.93	1
1189_1190	1189	1190	166.038	-62.9355	-0.081	-0.3645	-2.9025	1283.823	1
1190_1190	1190	1190	-170.966	-25.8405	0.0015	-0.087	2.8545	-1282.87	1
1190_1191	1190	1191	185.838	-59.655	-0.0165	-0.231	-3.0495	1411.683	1
1191_1191	1191	1191	-186.399	-31.902	0.0075	0.063	2.973	-1393.34	1
1191_1192	1191	1192	198.126	-52.659	-0.0225	-0.381	-3.2625	1489.973	1
1192_1192	1192	1192	-197.151	-34.3545	-0.0015	-0.09	3.15	-1470.85	1
1192_1193	1192	1193	207.1755	-50.487	-0.0105	-0.2415	-3.3405	1545.846	1
1193_1193	1193	1193	-205.104	-40.443	-0.003	-0.135	3.228	-1527.49	1
1193_1194	1193	1194	209.7885	-44.16	-0.0075	-0.1935	-3.3915	1559.159	1
1194_1194	1194	1194	-207.32	-42.369	0.012	-0.228	3.2715	-1545.46	1
1194_1195	1194	1195	210.8595	-42.3015	-0.024	-0.0915	-3.624	1560.749	1
1195_1195	1195	1195	-207.854	-48.7065	0.015	-0.1695	3.4995	-1550.88	1
1195_1196	1195	1196	206.3445	-36.2775	-0.0255	-0.147	-3.8385	1524.731	1
1196_1196	1196	1196	-201.992	-51.015	-0.0015	-0.3735	3.75	-1514.14	1
1196_1197	1196	1197	199.233	-33.783	-0.009	0.066	-3.8685	1469.144	1
1197_1197	1197	1197	-193.023	-57.996	0.003	-0.219	3.8385	-1455.59	1
1197_1198	1197	1198	187.2315	-27.7965	-0.0135	-0.0885	-3.909	1379.535	1
1198_1198	1198	1198	-176.694	-61.2675	-0.0765	-0.3915	3.963	-1348.63	1
1198_1199	1198	1199	169.6995	-24	0.0555	0.075	-2.97	1247.909	1
1199_1199	1199	1199	-147.116	-69.9885	-0.0855	-0.441	3.1455	-1166.58	1
1199_1200	1199	1200	147.297	-20.013	0.0495	0.0555	-2.757	1129.538	1
1200_1200	1200	1200	-123.795	-72.477	-0.1035	-0.552	2.4615	-1047.32	1
1200_1201	1200	1201	114.384	-16.755	0.0795	0.156	-1.875	990.8175	1
1201_1201	1201	1201	-71.817	-78.807	-0.168	-0.8535	1.9275	-946.838	1
1201_1202	1201	1202	63.1035	-12.324	0.084	0.1785	-2.118	860.142	1
1202_1202	1202	1202	-28.4685	-84.345	0.4425	-0.7845	-0.0585	-703.518	1
1202_1203	1202	1203	31.812	-8.1135	-0.1185	0.2355	-4.323	628.335	1
1203_1203	1203	1203	5.313	-90.669	0.3765	-0.912	5.2455	-443.573	1
1203_1204	1203	1204	28.047	-6.015	-0.018	-0.1215	-0.072	292.392	1
1204_1204	1204	1204	-151.877	-15.846	-0.6975	-0.207	22.698	-636.726	1
1204_1205	1204	1205	114.081	-76.998	0.5595	-0.36	-10.785	508.449	1
1205_1205	1205	1205	-161.846	-19.4475	-0.63	0.117	13.8855	-745.574	1
1205_1206	1205	1206	129.933	-71.781	0.4635	-0.474	-4.9635	640.611	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1206_1206	1206	1206	-168.47	-22.8855	-0.618	0.192	8.427	-816.353	1
1206_1207	1206	1207	143.5725	-66.516	0.4125	-0.4965	-0.8715	747.6255	1
1207_1207	1207	1207	-173.549	-25.893	-0.132	-0.0855	3.1275	-877.275	1
1207_1208	1207	1208	156.687	-61.9065	0.051	-0.3225	0.021	845.328	1
1208_1208	1208	1208	-177.27	-29.9775	-0.1125	-0.141	1.689	-928.331	1
1208_1209	1208	1209	166.743	-56.2125	0.0285	-0.273	0.594	916.7535	1
1209_1209	1209	1209	-179.085	-34.4835	-0.099	-0.066	0.507	-963.975	1
1209_1210	1209	1210	173.8605	-50.6145	0.0105	-0.33	0.888	962.094	1
1210_1210	1210	1210	-179.661	-37.053	-0.03	-0.144	-0.459	-985.958	1
1210_1211	1210	1211	178.7415	-49.0605	-0.0075	-0.216	0.858	989.4675	1
1211_1211	1211	1211	-179.936	-40.803	-0.015	-0.285	-0.69	-998.409	1
1211_1212	1211	1212	181.722	-44.907	-0.021	-0.0825	0.711	1000.662	1
1212_1212	1212	1212	-179.364	-44.8065	-0.0105	-0.24	-0.807	-1001.48	1
1212_1213	1212	1213	183.0855	-40.9065	-0.0255	-0.138	0.501	997.5855	1
1213_1213	1213	1213	-177.198	-48.9495	-0.0135	-0.0075	-0.8565	-990.329	1
1213_1214	1213	1214	183.666	-37.167	-0.0225	-0.3495	0.2805	985.6425	1
1214_1214	1214	1214	-173.241	-50.6325	0.0195	-0.399	-0.8745	-963.66	1
1214_1215	1214	1215	184.062	-34.4985	-0.1095	0.0225	-0.786	963.192	1
1215_1215	1215	1215	-167.126	-56.2185	0.03	-0.228	-0.4725	-917.672	1
1215_1216	1215	1216	183.1695	-29.9985	-0.114	-0.183	-2.01	927.1635	1
1216_1216	1216	1216	-158.112	-61.9125	0.054	-0.2775	0.1605	-845.867	1
1216_1217	1216	1217	180.309	-25.9155	-0.135	-0.12	-3.4935	875.6655	1
1217_1217	1217	1217	-146.181	-66.5085	0.3915	-0.489	1.1205	-747.942	1
1217_1218	1217	1218	176.1705	-22.8105	-0.6	0.144	-8.6685	813.969	1
1218_1218	1218	1218	-133.545	-71.8005	0.444	-0.4485	5.0805	-640.607	1
1218_1219	1218	1219	170.163	-19.356	-0.612	0.06	-14.0145	742.0785	1
1219_1219	1219	1219	-119.229	-76.9605	0.5085	-0.42	10.029	-504.522	1
1219_1220	1219	1220	161.6145	-15.732	-0.6435	-0.1305	-21.222	626.742	1
1220_1220	1220	1220	-41.805	-9.7545	-0.0255	-0.0915	-0.9465	-446.016	1
1220_1221	1220	1221	-2.034	-94.161	0.384	-1.1385	-4.389	397.569	1
1221_1221	1221	1221	-44.358	-10.2585	-0.0165	-0.309	-1.356	-357.749	1
1221_1222	1221	1222	34.6095	-88.065	0.459	-0.864	1.0755	686.895	1
1222_1222	1222	1222	-43.773	-11.118	-0.051	-0.2325	-1.653	-266.142	1
1222_1223	1222	1223	82.9545	-82.506	-0.18	-1.2075	-1.236	965.1075	1
1223_1223	1223	1223	-121.376	-14.82	0.0855	-0.012	1.341	-986.015	1
1223_1224	1223	1224	139.9305	-76.3095	-0.1005	-0.498	-2.0925	1093.56	1
1224_1224	1224	1224	-158.483	-18.6015	0.042	0.3045	2.2725	-1146.07	1
1224_1225	1224	1225	166.1205	-73.1235	-0.0735	-0.765	-2.7435	1227.602	1
1225_1225	1225	1225	-167.796	-22.5615	0.0465	-0.093	2.8905	-1334.59	1
1225_1226	1225	1226	187.6215	-63.591	-0.063	-0.66	-4.1925	1541.022	1
1226_1226	1226	1226	-192.251	-28.2375	0	0.333	3.9195	-1532.08	1
1226_1227	1226	1227	205.527	-58.959	0	-1.08	-4.2135	1673.649	1
1227_1227	1227	1227	-206.885	-34.6905	-0.015	-0.492	4.0665	-1651.16	1
1227_1228	1227	1228	214.983	-51.588	0.0165	-0.2295	-3.9885	1744.419	1
1228_1228	1228	1228	-216.056	-38.607	0.0045	-0.0015	3.9465	-1728.39	1
1228_1229	1228	1229	219.8265	-47.589	-0.0135	-0.693	-4.134	1780.02	1
1229_1229	1229	1229	-220.794	-45.687	-0.0045	-0.5625	4.0845	-1772.14	1
1229_1230	1229	1230	216.54	-40.5045	-0.0045	-0.123	-4.134	1755.855	1
1230_1230	1230	1230	-217.355	-49.9305	-0.033	-0.2805	4.1145	-1756.17	1
1230_1231	1230	1231	209.5755	-36.564	0.0405	-0.411	-3.5475	1702.074	1
1231_1231	1231	1231	-209.163	-57.27	-0.048	-0.8175	3.717	-1704.08	1
1231_1232	1231	1232	196.401	-30.132	0.0525	0.1215	-2.778	1600.638	1
1232_1232	1232	1232	-192.653	-61.836	-0.093	-0.3645	3.069	-1591.23	1
1232_1233	1232	1233	184.7265	-27.6435	0.1005	-0.324	-1.6695	1508.277	1
1233_1233	1233	1233	-176.465	-67.6665	-0.111	-0.8055	2.0295	-1477.7	1
1233_1234	1233	1234	167.6475	-22.401	0.102	0.129	-0.4485	1372.979	1
1234_1234	1234	1234	-149.829	-74.4165	-0.216	-1.047	0.891	-1315.37	1
1234_1235	1234	1235	159.3885	-20.9985	0.1815	0.6405	-0.2115	1341.68	1
1235_1235	1235	1235	-140.558	-74.727	0.2295	-0.4305	0.129	-1262.69	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1235_1236	1235	1236	139.4325	-18.981	-0.2235	0.0075	-2.0115	1255.313	1
1236_1236	1236	1236	-115.721	-78.801	0.2265	-0.5865	1.7175	-1145.96	1
1236_1237	1236	1237	113.877	-15.4155	-0.198	0.156	-4.092	1116.867	1
1237_1237	1237	1237	-63.0195	-83.88	0.336	-1.8	6.0255	-1076.49	1
1237_1238	1237	1238	79.1775	-14.607	-0.273	0.9225	-7.548	1157.214	1
1238_1238	1238	1238	-47.442	-79.2435	-1.0575	-1.221	7.689	-979.593	1
1238_1239	1238	1239	53.289	-14.736	1.191	-0.111	5.481	990.717	1
1239_1239	1239	1239	-18.9165	-84.3315	-1.1445	-1.1475	-4.335	-786.947	1
1239_1240	1239	1240	30.321	-11.0895	1.158	-0.153	18.177	786.3405	1
1240_1240	1240	1240	3.4125	-78.951	2.169	-4.341	-18.4065	-565.775	1
1240_1241	1240	1241	16.884	-16.2915	-1.9395	3.504	-5.6295	601.7475	1
1241_1241	1241	1241	-178.121	-25.356	0.906	2.9835	15.072	-936.707	1
1241_1242	1241	1242	136.4595	-69.7815	-0.696	-3.294	-18.4035	724.5645	1
1242_1242	1242	1242	-180.401	-29.2725	0.8565	2.826	21.963	-984.399	1
1242_1243	1242	1243	139.6035	-68.0505	-0.6495	-2.9445	-18.7665	754.923	1
1243_1243	1243	1243	-180.078	-25.5885	-1.134	-0.0105	24.4365	-999.8	1
1243_1244	1243	1244	151.434	-68.316	0.9105	-0.852	-7.9545	880.5915	1
1244_1244	1244	1244	-183.29	-29.394	-1.0905	-0.444	13.0935	-1062.56	1
1244_1245	1244	1245	163.989	-62.013	0.738	-0.5205	1.6995	998.4405	1
1245_1245	1245	1245	-184.685	-33.102	-0.2295	-0.1635	0.7515	-1110.69	1
1245_1246	1245	1246	174.0195	-57.0105	0.159	-0.813	3.627	1082.615	1
1246_1246	1246	1246	-184.665	-37.911	-0.177	-0.636	-2.1315	-1142.11	1
1246_1247	1246	1247	181.368	-50.9475	0.1005	-0.378	4.746	1134.467	1
1247_1247	1247	1247	-183.746	-42.1755	-0.003	-0.372	-4.3515	-1156.52	1
1247_1248	1247	1248	186.516	-46.56	0.0315	-0.5955	4.755	1159.176	1
1248_1248	1248	1248	-182.318	-47.4885	0.0165	-0.6045	-4.6875	-1155.97	1
1248_1249	1248	1249	189.9765	-40.539	0.0105	-0.3885	4.437	1155.452	1
1249_1249	1249	1249	-177.842	-52.989	0.534	-0.3255	-4.86	-1118.96	1
1249_1250	1249	1250	192.4695	-35.745	-0.6885	-0.735	-3.345	1132.149	1
1250_1250	1250	1250	-170.987	-59.4735	0.666	-0.876	1.419	-1050.69	1
1250_1251	1250	1251	193.4865	-31.332	-0.7155	-0.099	-10.3635	1095.035	1
1251_1251	1251	1251	-162.113	-59.6055	0.0285	-0.354	8.694	-957.369	1
1251_1252	1251	1252	196.215	-31.032	-0.5355	-0.5895	-15.7815	1066.434	1
1252_1252	1252	1252	-154.938	-65.7	0.1755	-0.627	10.9485	-866.364	1
1252_1253	1252	1253	195.1605	-25.9005	-0.6945	-0.195	-24.5085	1000.427	1
1253_1253	1253	1253	-145.806	-72.2715	0.2865	-0.348	15.6675	-735.794	1
1253_1254	1253	1254	195.0105	-24.5505	-0.6885	-0.405	-26.4375	972.9075	1
1254_1254	1254	1254	-143.052	-68.475	-0.2235	-4.695	17.532	-698.432	1
1254_1255	1254	1255	195.339	-27.7005	0.6105	5.2635	-23.616	949.569	1
1255_1255	1255	1255	-20.748	-10.818	-1.0425	2.2635	7.7355	-581.028	1
1255_1256	1255	1256	-2.6235	-88.9605	1.731	-3.636	-0.726	492.0615	1
1256_1256	1256	1256	-33.306	-13.38	-1.1985	2.139	-0.5055	-739.278	1
1256_1257	1256	1257	11.4345	-85.875	1.7985	-3.3405	11.9025	636.6255	1
1257_1257	1257	1257	-58.185	-9.516	-0.0255	-0.1845	-0.9615	-401.868	1
1257_1258	1257	1258	39.3135	-89.271	0.057	-1.041	12.0165	879.4035	1
1258_1258	1258	1258	-72.201	-12.1905	0.159	-0.024	-8.8575	-1068.46	1
1258_1259	1258	1259	79.5135	-83.3145	0.1425	-1.0785	13.788	1145.916	1
1259_1259	1259	1259	-130.485	-15.4365	0.483	0.1515	-6.015	-1165.19	1
1259_1260	1259	1260	140.2425	-78.8535	-0.645	-0.642	2.082	1220.75	1
1260_1260	1260	1260	-163.254	-19.6395	0.537	0.063	-1.428	-1312.21	1
1260_1261	1260	1261	168.0765	-73.593	-0.6285	-0.5325	-4.113	1375.572	1
1261_1261	1261	1261	-192.06	-23.8095	0.438	0.1215	2.7915	-1350.09	1
1261_1262	1261	1262	182.982	-71.511	-0.471	-0.519	-4.659	1342.119	1
1262_1262	1262	1262	-197.201	-24.183	-0.009	0.2775	4.2195	-1387.64	1
1262_1263	1262	1263	204.8445	-66.4695	0.012	-0.7875	-4.635	1490.904	1
1263_1263	1263	1263	-213.744	-29.199	-0.018	-0.129	4.275	-1507.24	1
1263_1264	1263	1264	221.856	-59.739	0.0255	-0.3855	-4.386	1607.525	1
1264_1264	1264	1264	-226.928	-32.8365	-0.006	0.15	4.173	-1605.28	1
1264_1265	1264	1265	234	-55.5675	0.015	-0.663	-4.251	1691.366	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1265_1265	1265	1265	-237.372	-38.796	-0.0195	-0.336	4.1775	-1683.86	1
1265_1266	1265	1266	238.9545	-49.086	0.03	-0.168	-3.8925	1727.861	1
1266_1266	1266	1266	-241.784	-42.5355	-0.015	-0.099	3.9465	-1722.57	1
1266_1267	1266	1267	239.3295	-45.0615	0.039	-0.393	-3.4185	1733.408	1
1267_1267	1267	1267	-242.268	-49.0005	-0.03	-0.417	3.693	-1734.99	1
1267_1268	1267	1268	233.1375	-38.8905	0.0525	-0.0735	-2.739	1695.03	1
1268_1268	1268	1268	-235.719	-53.19	-0.0525	-0.243	3.189	-1701.15	1
1268_1269	1268	1269	221.6655	-34.071	0.084	-0.2655	-1.53	1619.799	1
1269_1269	1269	1269	-222.395	-60.651	-0.075	-0.6465	2.2005	-1623.31	1
1269_1270	1269	1270	206.5365	-28.5195	0.0975	0.147	-0.312	1518.345	1
1270_1270	1270	1270	-203.19	-65.871	0.3465	-0.3405	0.9825	-1505.42	1
1270_1271	1270	1271	192.5625	-25.2765	-0.318	-0.126	-3.2175	1422.881	1
1271_1271	1271	1271	-184.371	-71.0565	0.3465	-0.6045	4.0095	-1387.56	1
1271_1272	1271	1272	173.1165	-20.649	-0.2775	0.129	-6.06	1288.178	1
1272_1272	1272	1272	-141.776	-77.5785	0.462	-1.1115	10.4685	-1320.13	1
1272_1273	1272	1273	149.502	-19.116	-0.348	0.567	-9.372	1344.275	1
1273_1273	1273	1273	-129.678	-71.5455	-0.24	-0.5175	12.204	-1244.51	1
1273_1274	1273	1274	132.7095	-21.7785	0.072	-0.0435	-7.989	1259.886	1
1274_1274	1274	1274	-107.024	-75.621	-0.2265	-0.7485	10.005	-1130.77	1
1274_1275	1274	1275	111.015	-18.5895	0.042	0.1905	-7.113	1163.685	1
1275_1275	1275	1275	-64.5345	-79.8285	-0.339	-2.1495	12.3825	-1110	1
1275_1276	1275	1276	81.642	-17.691	0.063	1.257	-10.41	1210.802	1
1276_1276	1276	1276	-52.1385	-75.2895	-2.1	-1.362	10.9605	-1039.06	1
1276_1277	1276	1277	54.252	-17.4345	2.0535	-0.1515	14.1855	1044.32	1
1277_1277	1277	1277	-22.2675	-80.8035	-2.172	-1.0095	-14.4165	-861.284	1
1277_1278	1277	1278	27.804	-12.8925	1.9155	-0.435	37.77	809.613	1
1278_1278	1278	1278	4.7085	-76.9665	3.903	-5.4315	-43.3095	-623.171	1
1278_1279	1278	1279	15.867	-18.309	-3.105	4.566	5.4375	653.4045	1
1279_1279	1279	1279	-173.667	-26.433	1.8315	2.769	-1.344	-993.168	1
1279_1280	1279	1280	129.399	-69.6315	-1.236	-2.8995	-10.68	716.0535	1
1280_1280	1280	1280	-174.872	-29.949	1.617	2.4015	14.19	-1006.54	1
1280_1281	1280	1281	135.75	-66.6105	-1.02	-2.3655	-14.133	759.009	1
1281_1281	1281	1281	-162.329	-29.8575	-1.746	0.0795	42.0525	-1078.49	1
1281_1282	1281	1282	139.068	-62.418	0.735	-0.8175	-9.474	928.7685	1
1282_1282	1282	1282	-161.142	-35.268	-1.518	-0.5475	18.777	-1111.87	1
1282_1283	1282	1283	150.0465	-55.332	0.3255	-0.3405	-1.3005	1023.269	1
1283_1283	1283	1283	-157.5	-36.783	-0.009	-0.171	0.6705	-1110.67	1
1283_1284	1283	1284	161.766	-50.9565	0.0495	-0.831	-0.63	1103.717	1
1284_1284	1284	1284	-157.391	-43.569	0.0405	-0.8445	0.7455	-1128.15	1
1284_1285	1284	1285	169.938	-44.511	-0.0105	-0.1545	-0.4305	1134.21	1
1285_1285	1285	1285	-155.603	-46.503	-0.189	-0.171	1.17	-1107.87	1
1285_1286	1285	1286	178.689	-41.2635	-0.294	-0.843	-3.306	1153.706	1
1286_1286	1286	1286	-154.493	-53.346	-0.021	-0.747	0.2475	-1076.57	1
1286_1287	1286	1287	185.2875	-35.6535	-0.4665	-0.165	-8.7705	1143.117	1
1287_1287	1287	1287	-151.101	-56.28	0.1815	-0.246	2.214	-1006.36	1
1287_1288	1287	1288	195.3375	-32.6235	-0.6825	-0.828	-19.5405	1137.549	1
1288_1288	1288	1288	-147.881	-64.389	0.3915	-0.7305	8.9775	-906.876	1
1288_1289	1288	1289	200.7435	-27.654	-0.885	-0.036	-31.983	1100.298	1
1289_1289	1289	1289	-143.228	-68.1615	-0.729	-1.4985	18.3795	-783.72	1
1289_1290	1289	1290	202.812	-28.77	1.506	1.47	-27.132	1088.442	1
1290_1290	1290	1290	-142.35	-70.5345	-0.807	-1.983	17.6715	-753.443	1
1290_1291	1290	1291	207.0195	-24.9795	1.6605	2.019	-14.5125	1070.685	1
1291_1291	1291	1291	-22.9485	-10.1685	-1.992	3.3	-7.218	-658.725	1
1291_1292	1291	1292	16.1805	-93.588	3.2775	-5.0715	28.41	727.602	1
1292_1292	1292	1292	-34.278	-6.315	1.2225	0.186	-23.478	-842.073	1
1292_1293	1292	1293	50.0985	-95.316	-1.146	-1.482	12.882	1158.303	1
1293_1293	1293	1293	-62.7735	-9.732	1.2615	-0.5475	-9.8115	-1195.03	1
1293_1294	1293	1294	85.62	-90.435	-1.0455	-0.756	0.8745	1510.932	1
1294_1294	1294	1294	-91.8915	-13.329	0.045	1.623	2.808	-1492.56	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1294_1295	1294	1295	107.8425	-87.6	-0.228	-2.7075	-0.3765	1722.576	1
1295_1295	1295	1295	-129.395	-15.642	0.0465	-0.0225	1.7115	-1548.39	1
1295_1296	1295	1296	150.4365	-83.586	-0.1545	-0.4905	-1.47	1785.345	1
1296_1296	1296	1296	-147.188	-18.5205	0.0675	-0.2805	1.788	-1713.54	1
1296_1297	1296	1297	171.5175	-79.1895	-0.1605	-0.273	-3.063	2009.036	1
1297_1297	1297	1297	-164.504	-19.581	0.084	0.999	2.3685	-1909.03	1
1297_1298	1297	1298	180.6915	-79.8825	-0.0375	-1.6395	-3.3585	2111.376	1
1298_1298	1298	1298	-145.892	-21.348	0.123	0.8955	4.209	-2151.77	1
1298_1299	1298	1299	167.499	-76.2465	-0.024	-1.9335	-5.7945	2482.76	1
1299_1299	1299	1299	-159.327	-24.8745	0.1005	-1.0755	5.253	-2345.74	1
1299_1300	1299	1300	185.1705	-70.101	0.024	0.063	-5.769	2731.422	1
1300_1300	1300	1300	-176.31	-27.42	-0.0795	1.2705	6.1965	-2590.59	1
1300_1301	1300	1301	201.5475	-66.552	0.141	-2.4645	4.023	2960.517	1
1301_1301	1301	1301	-193.652	-33.4485	-0.117	-1.662	4.7475	-2839.15	1
1301_1302	1301	1302	210.8865	-60.558	0.1665	0.7095	-2.1105	3089.841	1
1302_1302	1302	1302	-205.145	-35.3865	-0.051	1.4115	2.85	-3003.72	1
1302_1303	1302	1303	218.5515	-57.1635	0.1005	-2.5305	-0.942	3193.626	1
1303_1303	1303	1303	-216.431	-42.009	-0.0855	-2.5365	1.578	-3164.39	1
1303_1304	1303	1304	219.489	-51.1215	0.129	1.5255	0.405	3202.404	1
1304_1304	1304	1304	-221.066	-43.62	-0.0945	0.951	0.081	-3230.48	1
1304_1305	1304	1305	216.921	-47.91	0.129	-1.8705	1.758	3159.12	1
1305_1305	1305	1305	-223.872	-50.391	-0.123	-2.5335	-1.632	-3269.43	1
1305_1306	1305	1306	208.3425	-41.3745	0.1485	1.4685	3.1365	3030.804	1
1306_1306	1306	1306	-220.791	-52.0305	-0.129	0.519	-3.447	-3224.8	1
1306_1307	1306	1307	195.4995	-38.43	0.141	-1.2705	4.179	2840.015	1
1307_1307	1307	1307	-214.824	-58.5525	-0.1485	-2.4285	-5.121	-3137.85	1
1307_1308	1307	1308	173.679	-30.6525	0.1485	1.239	5.2515	2520.248	1
1308_1308	1308	1308	-201.432	-61.5105	-0.096	-0.012	-7.0305	-2945.12	1
1308_1309	1308	1309	146.253	-25.953	0.1365	-0.6765	5.691	2119.382	1
1309_1309	1309	1309	-183.962	-68.811	-0.1245	-2.775	-8.016	-2693.2	1
1309_1310	1309	1310	109.08	-17.5305	0.132	1.1355	5.751	1578.326	1
1310_1310	1310	1310	-158.048	-73.692	0.342	-0.8025	-9.3375	-2320.9	1
1310_1311	1310	1311	66.8145	-10.7535	-0.108	-0.087	2.1585	966.1755	1
1311_1311	1311	1311	-123.456	-82.314	0.291	-2.535	-4.728	-1824	1
1311_1312	1311	1312	-3.0195	-9.126	0.135	-0.528	-5.136	-93.672	1
1312_1312	1312	1312	-78.051	-90.687	0.063	-1.425	-1.1235	-1172.91	1
1312_1313	1312	1313	5.5635	-8.766	0.2715	-0.5835	0	23.898	1
1400_1020	1400	1020	76.566	-31.9365	21.483	1.3425	-155.526	-1007.21	1
1400_1401	1400	1401	-62.1945	-3.282	4.113	0.1905	-46.689	-284.406	1
1401_1401	1401	1401	75.819	-30.651	5.3775	-1.488	-66.921	-876.726	1
1401_1402	1401	1402	-59.2365	-3.486	3.0405	-0.9435	-33.3195	-265.287	1
1402_1402	1402	1402	76.5285	-28.812	5.4345	0.318	-47.985	-769.781	1
1402_1403	1402	1403	-75.7095	-5.1375	4.059	0.114	0.5895	-244.305	1
1403_1403	1403	1403	72.204	-25.6755	-0.666	-0.1815	9.816	-447.806	1
1403_1404	1403	1404	-87.5655	-7.7415	0.1005	-0.204	1.677	-201.78	1
1404_1404	1404	1404	72.7785	-23.988	-0.7035	-0.456	4.956	-262.679	1
1404_1405	1404	1405	-95.6865	-9.891	0.12	-0.393	2.9955	-140.136	1
1405_1405	1405	1405	70.926	-20.9715	-0.0645	-0.357	-0.6195	-86.814	1
1405_1406	1405	1406	-109.982	-13.71	-0.267	-0.3495	-0.921	49.8075	1
1406_1406	1406	1406	69.033	-18.264	-0.0975	-0.321	-1.689	223.8165	1
1406_1407	1406	1407	-119.732	-17.9055	-1.7115	-0.4635	-16.3215	204.477	1
1407_1407	1407	1407	69.4005	-16.8135	-0.1305	-0.0645	-2.469	385.68	1
1407_1408	1407	1408	-121.655	-20.4225	-1.6125	-0.024	-24.96	313.809	1
1408_1408	1408	1408	66.6855	-30.966	1.515	-0.2325	-5.0325	447.7125	1
1408_1409	1408	1409	34.1505	-0.2925	-1.9545	1.4325	13.6275	-111.47	1
1409_1409	1409	1409	-41.559	-0.573	0.9465	1.9005	-18.5445	137.697	1
1409_1410	1409	1410	-70.2495	-30.99	1.617	-0.3345	7.0935	-435.245	1
1410_1410	1410	1410	137.01	-21.2355	0.6765	0.2895	-9.3525	-318.324	1
1410_1411	1410	1411	-69.804	-16.4955	-0.21	0.237	2.142	-388.655	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1411_1411	1411	1411	133.968	-18.402	0.3675	0.051	-4.794	-203.369	1
1411_1412	1411	1412	-70.0065	-17.9565	-0.123	-0.483	1.5615	-226.709	1
1412_1412	1412	1412	138.1305	-13.8105	0.033	0.138	-0.201	-42.978	1
1412_1413	1412	1413	-71.0835	-20.685	-0.072	-0.3315	0.2175	75.1995	1
1413_1413	1413	1413	137.541	-9.441	-0.516	0.2475	1.26	150.108	1
1413_1414	1413	1414	-74.5185	-23.7285	-0.489	-0.2835	-3.87	254.649	1
1414_1414	1414	1414	126.7905	-6.3255	-0.447	0.147	-2.7585	208.266	1
1414_1415	1414	1415	-74.952	-25.479	-0.5385	-0.3675	-7.7865	440.775	1
1415_1415	1415	1415	106.7235	-2.766	-3.21	-0.642	-5.676	220.644	1
1415_1416	1415	1416	-80.148	-28.5705	5.7645	-1.7445	53.607	757.878	1
1416_1416	1416	1416	49.6875	-0.813	3.6045	0.2865	43.2675	149.5905	1
1416_1417	1416	1417	-79.3935	-30.4575	6.516	4.9845	74.1075	864.087	1
1417_1417	1417	1417	48.4695	-0.645	4.1745	0.2955	55.131	148.941	1
1417_1036	1417	1036	-80.19	-31.5885	21.435	1.524	163.221	992.8665	1
1420_1056	1420	1056	83.0565	-30.1365	20.9265	1.1145	-130.983	-915.935	1
1420_1421	1420	1421	-48.75	-1.6635	2.7825	0.1245	-33.8925	-191.645	1
1421_1421	1421	1421	82.0125	-28.7775	3.825	-0.426	-44.439	-793.58	1
1421_1422	1421	1422	-48.6555	-1.8345	2.4135	-0.5175	-24.8355	-185.249	1
1422_1422	1422	1422	82.668	-26.823	3.792	0.003	-31.191	-693.27	1
1422_1423	1422	1423	-62.43	-3.165	3.2295	-0.003	2.9655	-180.407	1
1423_1423	1423	1423	77.151	-23.5545	-0.6495	-0.1245	8.64	-396.819	1
1423_1424	1423	1424	-79.4085	-5.4705	-0.2265	-0.141	2.4345	-162.978	1
1424_1424	1424	1424	76.8285	-21.792	-0.708	-0.4395	3.7905	-225.174	1
1424_1425	1424	1425	-86.409	-7.3455	-0.183	-0.3885	1.419	-117.939	1
1425_1425	1425	1425	73.9605	-18.627	0.0885	-0.2985	-1.761	-61.2405	1
1425_1426	1425	1426	-127.41	-11.304	-0.0105	0.1425	0.318	26.733	1
1426_1426	1426	1426	73.161	-15.7845	-0.1275	-0.4515	-0.8475	210.225	1
1426_1427	1426	1427	-123.234	-15.507	-0.222	0.0375	-0.3735	161.3145	1
1427_1427	1427	1427	73.4745	-14.253	-0.2565	0.264	-1.6755	350.0625	1
1427_1428	1427	1428	-126.252	-18.1335	0.111	0.348	1.05	259.071	1
1428_1428	1428	1428	69.7185	-29.3025	1.1175	-0.3135	-4.746	413.8005	1
1428_1429	1428	1429	36.7665	-0.954	1.305	2.2875	19.335	-109.256	1
1429_1429	1429	1429	-34.7025	-1.2195	0.2475	2.034	-17.2515	97.311	1
1429_1430	1429	1430	-70.1505	-29.313	1.26	-0.381	6.261	-412.988	1
1430_1430	1430	1430	126.387	-17.667	0.45	0.249	-6.03	-249.236	1
1430_1431	1430	1431	-73.911	-14.1705	-0.306	0.156	2.9145	-349.976	1
1431_1431	1431	1431	123.018	-15.0615	0.174	0.093	-2.6625	-154.443	1
1431_1432	1431	1432	-73.6005	-15.705	-0.21	-0.4065	1.275	-210.873	1
1432_1432	1432	1432	99.3465	-11.172	0.078	-0.3165	-2.613	-35.604	1
1432_1433	1432	1433	-74.5965	-18.537	0.069	-0.297	1.7655	59.226	1
1433_1433	1433	1433	85.6725	-7.7265	-0.1425	-0.4575	-1.6695	118.2375	1
1433_1434	1433	1434	-77.7495	-21.7035	-0.729	-0.5205	-3.9855	222.4935	1
1434_1434	1434	1434	79.4865	-5.8305	-0.252	-0.081	-2.475	166.854	1
1434_1435	1434	1435	-78.0975	-23.5215	-0.6165	-0.0345	-8.661	394.056	1
1435_1435	1435	1435	64.551	-3.5565	3.594	-0.0615	-3.378	190.74	1
1435_1436	1435	1436	-83.76	-26.8365	3.7815	-0.1995	31.0695	690.87	1
1436_1436	1436	1436	49.869	-2.22	2.6145	-0.36	27.456	198.6915	1
1436_1437	1436	1437	-83.1015	-28.794	3.9135	0.2865	44.364	791.1795	1
1437_1437	1437	1437	48.8955	-2.061	3.0015	0.1305	36.525	203.73	1
1437_1072	1437	1072	-83.8275	-30.3285	20.856	1.0875	131.097	914.2155	1
1440_1094	1440	1094	84.7215	-29.601	20.202	1.248	-114.683	-888.933	1
1440_1441	1440	1441	-40.9485	-1.9215	2.7915	0.1125	-21.237	-179.649	1
1441_1441	1441	1441	84.7065	-28.227	2.8845	-0.5385	-32.322	-767.672	1
1441_1442	1441	1442	-40.875	-2.0805	1.5765	-0.426	-15.363	-172.385	1
1442_1442	1442	1442	84.2475	-26.2065	2.8245	0.006	-21.7245	-669.782	1
1442_1443	1442	1443	-54.8325	-3.2535	2.2935	-0.057	3.1785	-167.597	1
1443_1443	1443	1443	78.1005	-22.8585	-0.6075	-0.324	7.3575	-380.028	1
1443_1444	1443	1444	-70.248	-5.376	-0.2205	-0.267	2.31	-147.819	1
1444_1444	1444	1444	78.5955	-21.0705	-0.597	-0.3615	2.988	-215.454	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1444_1445	1444	1445	-122.817	-7.14	0.0705	0.2655	-0.4995	-126.465	1
1445_1445	1445	1445	75.012	-17.874	0.0945	-0.351	-1.7865	-55.86	1
1445_1446	1445	1446	-127.197	-11.127	-0.051	0.1785	0.069	25.539	1
1446_1446	1446	1446	73.9335	-14.997	0.06	-0.4155	-0.8925	205.323	1
1446_1447	1446	1447	-126.486	-15.4335	-0.111	0.1035	0.348	157.3335	1
1447_1447	1447	1447	73.776	-13.479	-0.0285	0.099	-0.033	340.3515	1
1447_1448	1447	1448	-128.216	-18.0465	0.126	0.3255	1.464	255.477	1
1448_1448	1448	1448	73.935	-28.7235	1.302	0.234	-2.1675	379.956	1
1448_1449	1448	1449	37.851	-1.2165	0.2115	2.856	15.9075	-109.652	1
1449_1449	1449	1449	-37.6485	-1.008	-2.175	2.8815	-15.675	109.656	1
1449_1450	1449	1450	-69.78	-28.5975	1.0515	-0.114	3.468	-398.939	1
1450_1450	1450	1450	112.851	-17.2725	-2.2035	-0.1545	29.019	-253.923	1
1450_1451	1450	1451	-73.4745	-13.56	-0.042	-0.2745	1.485	-337.97	1
1451_1451	1451	1451	110.931	-14.961	-2.1795	-0.4455	16.863	-161.249	1
1451_1452	1451	1452	-73.1805	-15.0675	-0.063	-0.201	0.879	-204.503	1
1452_1452	1452	1452	100.074	-11.04	0.1245	-0.375	-2.49	-34.1865	1
1452_1453	1452	1453	-74.0865	-17.904	0.0915	-0.3525	1.77	57.0555	1
1453_1453	1453	1453	85.239	-7.548	-0.2745	-0.363	-0.87	116.475	1
1453_1454	1453	1454	-77.298	-21.09	-0.6045	-0.384	-3.0645	217.218	1
1454_1454	1454	1454	78.1395	-5.7195	-0.2385	-0.27	-2.5185	162.24	1
1454_1455	1454	1455	-76.8195	-22.7805	-0.5985	-0.2985	-7.3755	380.817	1
1455_1455	1455	1455	62.7735	-3.261	2.652	-0.1005	-3.528	183.942	1
1455_1456	1455	1456	-82.539	-26.184	2.7525	-0.1305	21.0075	671.2935	1
1456_1456	1456	1456	49.023	-1.947	1.98	-0.3885	19.779	189.7155	1
1456_1457	1456	1457	-81.9	-28.1145	2.8185	-0.0315	30.675	769.3965	1
1457_1457	1457	1457	49.1325	-1.7805	2.64	0.129	27.42	196.4955	1
1457_1110	1457	1110	-82.779	-29.604	20.13	1.2195	113.8215	889.923	1
1460_1132	1460	1132	97.6605	-33.0075	18.9855	1.2915	-110.493	-955.461	1
1460_1461	1460	1461	-33.303	-4.9785	2.3355	0.1485	-21.4845	-208.211	1
1461_1461	1461	1461	95.778	-31.38	2.6205	-1.0815	-32.1885	-823.956	1
1461_1462	1461	1462	-33.204	-5.0505	1.662	-0.5535	-15.141	-190.596	1
1462_1462	1462	1462	88.899	-29.118	2.475	0.1395	-20.796	-723.062	1
1462_1463	1462	1463	-39.282	-5.9085	1.9665	-0.015	3.438	-136.379	1
1463_1463	1463	1463	87.117	-24.8985	-0.723	-0.615	7.4595	-406.001	1
1463_1464	1463	1464	-47.217	-7.1175	-0.255	-0.306	2.916	-92.556	1
1464_1464	1464	1464	81.132	-22.9575	-0.471	0.0105	2.3205	-225.326	1
1464_1465	1464	1465	-50.667	-8.2455	-0.4365	-0.114	0.1065	-36.4965	1
1465_1465	1465	1465	79.155	-19.485	0.0375	-0.369	-1.605	-58.7175	1
1465_1466	1465	1466	-158.984	-10.9365	0.0285	0.087	1.065	-49.7835	1
1466_1466	1466	1466	73.626	-16.533	0.0075	0.024	-1.3095	227.325	1
1466_1467	1466	1467	-161.948	-16.5405	-0.9885	0.078	-6.351	89.688	1
1467_1467	1467	1467	72.8355	-15.0375	0.105	-0.6465	-1.743	374.8275	1
1467_1468	1467	1468	-165.744	-19.902	-1.3245	0.0495	-13.7745	195.4905	1
1468_1468	1468	1468	94.4775	-31.56	2.115	-0.6465	5.376	379.7355	1
1468_1469	1468	1469	52.4295	-3.6795	-0.039	1.0185	7.629	-75.072	1
1469_1469	1469	1469	-41.6985	-3.5235	0.546	0.6675	-6.717	37.839	1
1469_1470	1469	1470	-82.305	-31.317	1.8585	-0.8295	-3.624	-416.378	1
1470_1470	1470	1470	89.136	-18.432	0.3615	-0.4365	-5.523	-360.045	1
1470_1471	1470	1471	-72.672	-15.4815	0.1095	-0.4635	0.714	-373.938	1
1471_1471	1471	1471	88.2165	-16.614	0.4395	-0.0945	-3.4635	-259.692	1
1471_1472	1471	1472	-72.339	-16.974	0.042	-0.09	0.912	-223.623	1
1472_1472	1472	1472	81.1545	-13.3785	-0.066	-0.285	0.4485	-117.084	1
1472_1473	1472	1473	-76.3695	-19.965	0.1005	-0.3735	2.049	68.838	1
1473_1473	1473	1473	73.8885	-10.5105	-0.264	-0.3075	-0.3855	72.3345	1
1473_1474	1473	1474	-82.2855	-23.259	-0.663	-0.411	-3.1725	239.7495	1
1474_1474	1474	1474	68.1915	-8.8785	-0.234	-0.228	-2.0175	142.482	1
1474_1475	1474	1475	-81.7395	-25.1295	-0.6555	-0.312	-7.908	420.6525	1
1475_1475	1475	1475	60.459	-6.753	2.1495	-0.0105	-3.1395	197.493	1
1475_1476	1475	1476	-89.2905	-28.662	2.772	0.1185	21.033	729.3435	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1476_1476	1476	1476	53.805	-5.367	1.908	-0.6255	17.9205	258.5655	1
1476_1477	1476	1477	-90.474	-30.813	2.7645	-0.9165	31.242	834.2655	1
1477_1477	1477	1477	53.931	-5.1945	2.2215	0.153	25.3275	277.299	1
1477_1148	1477	1148	-92.2065	-32.256	21.7215	1.3035	120.258	963.6345	1
1480_1168	1480	1168	93.3525	-32.469	22.746	1.4835	-122.091	-968.178	1
1480_1481	1480	1481	-45.8115	-3.927	2.3265	0.174	-21.1905	-221.118	1
1481_1481	1481	1481	92.115	-30.981	2.5635	-2.1945	-29.841	-838.575	1
1481_1482	1481	1482	-45.696	-4.104	1.725	-0.8835	-14.913	-206.772	1
1482_1482	1482	1482	86.0325	-28.8375	2.6265	0.5595	-18.609	-737.96	1
1482_1483	1482	1483	-50.556	-5.247	1.773	0.111	2.982	-157.988	1
1483_1483	1483	1483	82.698	-25.3005	-0.7335	-0.3135	9.051	-423.599	1
1483_1484	1483	1484	-60.1155	-7.017	-0.201	-0.201	2.0985	-117.222	1
1484_1484	1484	1484	77.604	-23.4285	-0.681	-0.3435	3.516	-238.28	1
1484_1485	1484	1485	-63.7755	-8.454	-0.234	-0.2445	0.6	-59.8605	1
1485_1485	1485	1485	75.363	-20.151	0.069	-0.363	-1.86	-67.887	1
1485_1486	1485	1486	-72.6735	-11.046	-0.126	-0.243	-1.185	94.647	1
1486_1486	1486	1486	71.745	-17.238	-0.0435	0.018	-1.131	226.704	1
1486_1487	1486	1487	-78.2205	-13.9665	0.543	-0.0075	3.564	215.9595	1
1487_1487	1487	1487	70.8855	-15.78	0.0435	-0.657	-2.0625	380.9235	1
1487_1488	1487	1488	-143.997	-16.8195	-1.197	0.033	-12.312	156.204	1
1488_1488	1488	1488	81.7995	-31.203	2.328	-0.9915	3.282	415.2405	1
1488_1489	1488	1489	46.065	-3.393	1.023	0.84	10.686	-54.933	1
1489_1489	1489	1489	-46.569	-3.549	0.2295	1.065	-9.0795	60.261	1
1489_1490	1489	1490	-84.819	-31.614	2.388	-0.9285	-4.3365	-416.267	1
1490_1490	1490	1490	148.5435	-16.9305	-1.158	0.0855	12.822	-155.624	1
1490_1491	1490	1491	-72.4275	-15.7185	0.0555	-0.45	0.9435	-382.958	1
1491_1491	1491	1491	147.957	-13.872	-0.9975	0.0165	6.363	-62.427	1
1491_1492	1491	1492	-72.0885	-17.205	-0.012	-0.072	0.657	-230.597	1
1492_1492	1492	1492	65.5575	-11.0235	-0.1095	-0.2265	1.1715	-106.29	1
1492_1493	1492	1493	-77.385	-20.1705	0.105	-0.3585	1.9905	65.6385	1
1493_1493	1493	1493	56.418	-8.688	-0.1965	-0.2415	-0.408	47.1915	1
1493_1494	1493	1494	-79.7295	-23.5275	-0.636	-0.3795	-3.042	236.655	1
1494_1494	1494	1494	52.827	-7.41	-0.18	-0.1755	-1.644	105.9045	1
1494_1495	1494	1495	-85.1985	-25.461	-0.6675	-0.2925	-8.118	422.793	1
1495_1495	1495	1495	43.9575	-5.8365	1.4655	-0.0675	-2.4015	150.5985	1
1495_1496	1495	1496	-88.8045	-29.0145	2.6145	-0.036	19.5675	739.041	1
1496_1496	1496	1496	37.5705	-4.875	1.1715	-0.291	11.1075	202.7685	1
1496_1497	1496	1497	-95.1945	-31.257	2.823	-0.4005	31.0065	840.711	1
1497_1497	1497	1497	37.6125	-4.734	2.529	0.1215	15.4815	219.783	1
1497_1184	1497	1184	-97.3245	-32.622	22.6035	1.4085	123.636	970.9335	1
1500_1204	1500	1204	83.5965	-32.709	20.658	1.959	-129.429	-1011.66	1
1500_1501	1500	1501	-43.8225	-1.4835	2.9835	0.183	-23.991	-172.296	1
1501_1501	1501	1501	84.1155	-31.2315	3.9435	-0.2775	-44.826	-877.779	1
1501_1502	1501	1502	-43.7565	-1.629	1.6695	-0.384	-17.9715	-166.638	1
1502_1502	1502	1502	84.846	-29.1825	3.891	-0.051	-31.2165	-768.81	1
1502_1503	1502	1503	-58.545	-2.8995	2.367	-0.0735	1.6515	-167.975	1
1503_1503	1503	1503	78.6525	-25.968	-0.717	-0.3975	9.933	-445.661	1
1503_1504	1503	1504	-76.515	-5.1015	-0.0075	-0.2805	2.325	-152.598	1
1504_1504	1504	1504	78.3645	-24.1365	-0.6975	-0.462	4.6755	-256.02	1
1504_1505	1504	1505	-85.1565	-7.011	-0.06	-0.345	2.3715	-112.559	1
1505_1505	1505	1505	74.9505	-21.0225	-0.03	-0.4725	-0.7935	-73.767	1
1505_1506	1505	1506	-125.085	-10.9185	-0.051	0.1485	-0.3135	20.367	1
1506_1506	1506	1506	73.827	-18.177	-0.237	-0.492	-1.6095	232.896	1
1506_1507	1506	1507	-124.319	-15.159	0.441	0.1125	4.809	149.229	1
1507_1507	1507	1507	74.184	-16.656	-0.3045	-0.009	-3.5265	393.876	1
1507_1508	1507	1508	-123.98	-17.712	0.5775	0.1665	8.091	247.6785	1
1508_1508	1508	1508	69.462	-31.7745	1.5525	-0.645	-7.1865	468.8115	1
1508_1509	1508	1509	42.522	-1.542	-2.8245	3.15	17.964	-112.05	1
1509_1509	1509	1509	-42.6645	-1.6575	1.2015	3.336	-18.6735	112.257	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1509_1510	1509	1510	-73.7355	-31.9965	1.935	-0.672	8.451	-449.577	1
1510_1510	1510	1510	134.3415	-18.1035	0.639	0.252	-8.3625	-242.783	1
1510_1511	1510	1511	-74.943	-16.668	-0.3705	0.216	2.727	-394.8	1
1511_1511	1511	1511	130.398	-15.4005	0.279	0.06	-3.8355	-146.651	1
1511_1512	1511	1512	-74.586	-18.204	-0.243	-0.5925	0.9075	-233.598	1
1512_1512	1512	1512	134.091	-10.923	0.024	0.1395	-0.2295	-14.181	1
1512_1513	1512	1513	-75.813	-21.0705	0.036	-0.4635	0.99	73.6095	1
1513_1513	1513	1513	81.573	-7.1775	-0.0885	-0.3705	-1.8105	110.055	1
1513_1514	1513	1514	-80.5305	-24.243	-0.6555	-0.513	-4.1505	258.7065	1
1514_1514	1514	1514	74.154	-5.379	-0.063	-0.27	-2.064	152.7375	1
1514_1515	1514	1515	-79.95	-26.1075	-0.645	-0.3795	-8.8275	446.907	1
1515_1515	1515	1515	56.631	-3.2415	2.043	-0.0435	-1.848	172.143	1
1515_1516	1515	1516	-87.0225	-29.331	3.843	0.1725	31.7295	771.75	1
1516_1516	1516	1516	43.836	-2.0325	1.437	-0.519	14.5725	179.385	1
1516_1517	1516	1517	-86.2935	-31.4325	3.789	-1.1295	45.0915	881.406	1
1517_1517	1517	1517	43.797	-1.863	4.2735	0.171	19.626	186.4935	1
1517_1220	1517	1220	-87.8445	-32.628	20.745	1.9035	130.653	1014.371	1
1520_1241	1520	1241	103.479	-36.699	6.2775	6.4725	-37.9995	-1105.23	1
1520_1521	1520	1521	-56.736	-2.6505	2.763	2.679	-9.7035	-229.76	1
1521_1521	1521	1521	99.813	-34.7355	1.3515	2.439	-10.5465	-957.351	1
1521_1522	1521	1522	-52.1145	-2.5305	0.408	0.345	-7.6275	-211.664	1
1522_1522	1522	1522	100.6125	-32.361	1.011	-0.543	-6.6975	-836.379	1
1522_1523	1522	1523	-67.299	-3.9405	0.8355	-0.3165	-1.0665	-201.953	1
1523_1523	1523	1523	97.4295	-28.623	-0.318	-0.225	3.576	-477.536	1
1523_1524	1523	1524	-84.0495	-6.237	0.2895	-0.2205	0.252	-175.749	1
1524_1524	1524	1524	98.067	-26.3535	-0.4755	-0.738	1.1055	-271.221	1
1524_1525	1524	1525	-89.6235	-8.2665	0.4575	-0.5685	3.507	-123.581	1
1525_1525	1525	1525	94.068	-22.665	-0.3885	-0.624	-2.9805	-71.2575	1
1525_1526	1525	1526	-128.349	-12.4335	-0.0735	0.2385	2.253	37.347	1
1526_1526	1526	1526	92.3535	-19.164	-0.4545	-0.9	-8.6865	257.496	1
1526_1527	1526	1527	-130.266	-17.118	3.813	0.264	38.301	182.997	1
1527_1527	1527	1527	92.7315	-17.241	-0.6165	0.18	-12.3585	427.314	1
1527_1528	1527	1528	-129.875	-19.818	4.0785	-0.183	61.131	293.13	1
1528_1528	1528	1528	86.346	-36.1095	3.2175	-2.331	-25.479	494.907	1
1528_1529	1528	1529	42.51	-0.846	-4.4865	5.199	40.0185	-120.867	1
1529_1529	1529	1529	-42.8565	-1.2105	1.476	5.316	-40.335	119.496	1
1529_1530	1529	1530	-90.9885	-36.4305	1.245	1.5705	-8.9295	-496.385	1
1530_1530	1530	1530	143.3595	-19.563	-3.189	0.93	48.8025	-263.444	1
1530_1531	1530	1531	-93.306	-17.397	-0.1485	0.045	-3.7605	-431.277	1
1531_1531	1531	1531	139.8285	-16.6845	-3.405	0.078	31.4805	-158.531	1
1531_1532	1531	1532	-93.9915	-19.3155	0.0525	-0.4575	-3.7155	-255.63	1
1532_1532	1532	1532	97.068	-12.7395	0.4575	-0.555	-1.0725	-43.6875	1
1532_1533	1532	1533	-95.229	-22.8375	0.672	-0.537	6.072	74.049	1
1533_1533	1533	1533	86.316	-9.3645	0.4995	-0.5385	5.0805	135.4425	1
1533_1534	1533	1534	-100.307	-26.64	0.615	-0.6375	10.989	277.3005	1
1534_1534	1534	1534	78.36	-7.4265	0.405	-0.525	8.025	191.7135	1
1534_1535	1534	1535	-102.651	-28.971	0.7065	-0.6975	16.542	491.091	1
1535_1535	1535	1535	69.1125	-5.0835	0.8655	-0.378	10.179	237.5265	1
1535_1536	1535	1536	-103.266	-32.658	1.803	-0.5385	35.4555	847.539	1
1536_1536	1536	1536	56.8695	-3.567	0.4005	-0.177	14.2245	264.4095	1
1536_1537	1536	1537	-108.285	-35.2485	2.1	0.168	44.3505	970.8675	1
1537_1537	1537	1537	57.207	-3.501	3.063	2.2845	16.1805	279.552	1
1537_1255	1537	1255	-108.561	-36.522	4.137	4.788	61.3815	1121.195	1
1540_1279	1540	1279	97.014	-36.5715	8.4135	7.593	-19.9545	-1118.35	1
1540_1541	1540	1541	-78.303	-2.31	-3.711	-2.604	-16.2495	-278.717	1
1541_1541	1541	1541	100.6005	-34.5405	0.243	2.1195	13.908	-970.562	1
1541_1542	1541	1542	-92.157	-3.1665	1.368	0.642	-13.4415	-294.224	1
1542_1542	1542	1542	97.4955	-32.118	0.156	0.0075	12.207	-840.536	1
1542_1543	1542	1543	-110.478	-5.628	1.884	0.4425	3.3645	-265.475	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1543_1543	1543	1543	97.0125	-28.6605	-0.7275	0.2745	13.0695	-489.395	1
1543_1544	1543	1544	-112.796	-8.397	-0.4605	0.828	1.0875	-217.887	1
1544_1544	1544	1544	97.656	-26.373	-1.089	-1.068	7.425	-282.788	1
1544_1545	1544	1545	-123.23	-11.1915	0.066	-0.054	1.038	-145.271	1
1545_1545	1545	1545	94.326	-22.8435	-0.7845	-0.726	-1.5255	-78.798	1
1545_1546	1545	1546	-124.106	-15.15	0.6645	0.183	12.0645	69.7845	1
1546_1546	1546	1546	93.0795	-19.443	-0.3135	-1.0305	-13.0125	249.8655	1
1546_1547	1546	1547	-124.088	-20.4105	7.4805	0.285	80.7315	248.2995	1
1547_1547	1547	1547	93.45	-17.568	-0.4425	-0.078	-15.5145	422.0535	1
1547_1548	1547	1548	-127.998	-22.9035	7.8555	-0.972	126.672	371.8455	1
1548_1548	1548	1548	84.8535	-36.7395	3.234	-3.453	-27.363	504.147	1
1548_1549	1548	1549	-40.041	-1.0935	-4.791	5.0685	38.8305	201.534	1
1549_1549	1549	1549	59.583	-2.619	2.418	8.973	-58.077	-286.499	1
1549_1550	1549	1550	-102.35	-38.559	0.672	5.967	-37.695	-480.636	1
1550_1550	1550	1550	102.4005	-22.563	5.547	-1.2255	-88.989	-357.476	1
1550_1551	1550	1551	-98.8695	-16.779	0.5265	-0.027	-16.422	-435.783	1
1551_1551	1551	1551	100.254	-20.2395	5.301	-0.186	-56.7315	-235.868	1
1551_1552	1551	1552	-98.4555	-19.0575	0.6465	-0.2265	-10.7145	-275.27	1
1552_1552	1552	1552	91.158	-16.6995	1.8075	-0.7125	-12.228	-71.7075	1
1552_1553	1552	1553	-103.814	-23.2095	1.3185	-0.63	8.028	63.2985	1
1553_1553	1553	1553	81.6375	-13.323	0.723	-0.753	12.654	157.458	1
1553_1554	1553	1554	-110.112	-27.543	1.0905	-0.864	16.896	267.3225	1
1554_1554	1554	1554	78.0345	-11.2695	0.609	-0.8745	17.0865	244.812	1
1554_1555	1554	1555	-109.367	-30.3645	1.209	-0.978	25.2855	481.3515	1
1555_1555	1555	1555	66.849	-8.691	-0.1005	-0.759	20.007	309.4605	1
1555_1556	1555	1556	-114.32	-34.7745	1.488	-1.005	41.7405	853.9785	1
1556_1556	1556	1556	59.61	-6.9075	-0.4635	-0.249	14.8245	381.1245	1
1556_1557	1556	1557	-117.603	-38.04	1.7775	-0.231	48.378	982.3635	1
1557_1557	1557	1557	58.7535	-6.3075	2.0175	0.756	13.434	405.1785	1
1557_1291	1557	1291	-120.528	-39.615	3.21	3.291	67.242	1201.448	1
41000_1000	41000	1000	-1.497	-8.3115	1.782	-2.7315	0	-11.9835	1
41000_1001	41000	1001	-2.8125	-90.831	1.2645	-8.4945	21.5055	1524.848	1
41001_1001	41001	1001	-1.5	-8.3115	1.779	-2.985	30.306	129.36	1
41001_1002	41001	1002	-3.354	-81.687	1.4115	-13.2495	39.4485	2252.256	1
41002_1002	41002	1002	1.1475	-10.6305	0.4215	1.6635	-16.8645	-1186.56	1
41002_1003	41002	1003	-3.9135	-75.7335	-0.8565	-8.7375	30.879	2909.844	1
41003_1003	41003	1003	2.022	-19.1775	0.5715	4.719	-19.6185	-1913.79	1
41003_1004	41003	1004	-4.293	-66.8535	-0.936	-12.3375	18.906	3376.193	1
41004_1004	41004	1004	2.7975	-24.6015	0.6255	1.254	-17.7195	-2594.18	1
41004_1005	41004	1005	-4.551	-64.3275	-0.462	-6.621	9.2925	3747.807	1
41005_1005	41005	1005	3.417	-33.687	0.615	4.869	-12.5565	-3164.67	1
41005_1006	41005	1006	-4.728	-56.355	-0.423	-10.599	-0.2205	3965.715	1
41006_1006	41006	1006	3.906	-36.1095	0.615	-1.008	-6.7365	-3550.44	1
41006_1007	41006	1007	-4.8225	-55.7325	-0.234	-3.903	-9.1695	4134.603	1
41007_1007	41007	1007	4.281	-44.3085	0.5445	2.9535	0.6615	-3854.92	1
41007_1008	41007	1008	-4.8525	-48.2895	-0.1455	-8.133	-16.506	4172.931	1
41008_1008	41008	1008	4.5495	-45.1815	0.6975	-3.528	6.9795	-4007.82	1
41008_1009	41008	1009	-4.827	-48.2595	-0.2685	-1.539	-26.2245	4184.567	1
41009_1009	41009	1009	4.7265	-52.911	0.612	0.276	16.326	-4114.57	1
41009_1010	41009	1010	-4.7445	-41.1525	-0.162	-5.457	-33.7125	4081.733	1
41010_1010	41010	1010	4.824	-53.4165	0.8595	-7.7085	24.021	-4089.54	1
41010_1011	41010	1011	-4.6155	-41.0595	-0.3705	2.517	-44.1405	3962.343	1
41011_1011	41011	1011	4.854	-60.882	0.768	-0.0855	35.556	-4033.25	1
41011_1012	41011	1012	-4.4385	-34.2285	-0.249	-4.9875	-51.48	3743.366	1
41012_1012	41012	1012	4.8255	-61.9065	1.0605	-5.397	44.802	-3860.5	1
41012_1013	41012	1013	-4.218	-33.246	-0.423	-0.711	-61.0695	3501.711	1
41013_1013	41013	1013	4.746	-69.237	0.9375	-6.897	57.9705	-3658.18	1
41013_1014	41013	1014	-3.9345	-26.8185	-0.2205	0.6525	-64.8705	3190.832	1
41014_1014	41014	1014	4.6155	-72.0465	0.0345	-7.1085	67.6095	-3349.76	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41014_1015	41014	1015	-3.4665	-22.203	0.309	0.405	-59.496	2719.079	1
41015_1015	41015	1015	5.0955	-81.951	-0.1305	-9.276	64.5675	-2838.16	1
41015_1016	41015	1016	-3.042	-18.4005	0.324	3.09	-55.6935	2445.582	1
41016_1016	41016	1016	6.4035	-83.4885	-2.361	-6.954	61.29	-2532.02	1
41016_1017	41016	1017	-2.415	-15.7125	1.7055	0.882	-34.704	2054.618	1
41017_1017	41017	1017	8.5215	-89.904	-2.3955	-9.594	31.0575	-2083.45	1
41017_1018	41017	1018	-1.8195	-10.353	1.2375	2.901	-21.576	1565.201	1
41018_1018	41018	1018	10.776	-94.9935	5.238	-7.0695	0.0885	-1499.22	1
41018_1019	41018	1019	-1.4415	-5.6565	-1.35	0.8325	-47.019	1071.582	1
41019_1019	41019	1019	13.581	-101.409	4.47	-8.571	61.0695	-924.134	1
41019_1020	41019	1020	0.177	-3.0465	-0.291	2.226	-45.9315	824.6685	1
41020_1020	41020	1020	-119.517	-17.2575	-8.994	-1.638	292.659	-1100.65	1
41020_1021	41020	1021	71.0925	-83.0325	6.8265	-3.792	-132.558	788.6865	1
41021_1021	41021	1021	-109.337	-20.91	-8.6985	0.4455	196.5015	-1258.59	1
41021_1022	41021	1022	65.205	-77.5305	6.066	-5.229	-67.6275	1005.885	1
41022_1022	41022	1022	-100.937	-24.4665	-8.3355	-0.177	120.126	-1359.38	1
41022_1023	41022	1023	60.5655	-71.763	5.2275	-4.8045	-13.665	1181.807	1
41023_1023	41023	1023	-92.1675	-27.714	-1.5225	-1.8945	48.159	-1447.32	1
41023_1024	41023	1024	57.1965	-66.8745	0.42	-3.282	-2.547	1344.009	1
41024_1024	41024	1024	-83.559	-32.01	-1.3455	-1.0035	30.0975	-1520.55	1
41024_1025	41024	1025	55.104	-60.6765	0.2025	-4.1025	5.0055	1463.591	1
41025_1025	41025	1025	-75.492	-36.798	-1.074	-1.935	14.745	-1571.21	1
41025_1026	41025	1026	54.348	-54.582	-0.096	-3.1965	8.4495	1539.812	1
41026_1026	41026	1026	-68.6715	-39.4455	-0.519	-1.224	3.0855	-1600.92	1
41026_1027	41026	1027	54.645	-53.082	-0.1065	-3.435	9.3045	1587.057	1
41027_1027	41027	1027	-64.3335	-43.455	-0.309	-3.414	-1.4535	-1618.19	1
41027_1028	41027	1028	55.638	-48.564	-0.2865	-1.287	8.475	1607.672	1
41028_1028	41028	1028	-60.8625	-47.769	-0.24	-2.541	-4.3065	-1620.95	1
41028_1029	41028	1029	57.354	-44.226	-0.357	-2.25	6.708	1604.931	1
41029_1029	41029	1029	-58.14	-52.2555	-0.1485	-2.178	-6.2175	-1600.81	1
41029_1030	41029	1030	59.91	-40.173	-0.456	-2.5395	3.834	1587.372	1
41030_1030	41030	1030	-56.124	-53.904	-0.0225	-4.194	-6.9225	-1554.62	1
41030_1031	41030	1031	64.302	-37.536	-1.023	-0.681	-5.5785	1555.863	1
41031_1031	41031	1031	-54.597	-59.946	0.195	-3.75	-4.9125	-1478.2	1
41031_1032	41031	1032	69.8685	-32.685	-1.2105	-1.3875	-18.2205	1502.346	1
41032_1032	41032	1032	-54.408	-66.1215	0.384	-2.763	0.366	-1358.95	1
41032_1033	41032	1033	75.9945	-28.3125	-1.3845	-2.3625	-33.714	1424.376	1
41033_1033	41033	1033	-55.47	-71.061	5.1765	-4.7085	8.7105	-1197.15	1
41033_1034	41033	1034	82.368	-24.843	-8.3445	-3.0195	-104.357	1328.429	1
41034_1034	41034	1034	-57.843	-76.875	6.09	-4.218	60.3825	-1019.76	1
41034_1035	41034	1035	88.578	-21.183	-8.643	-2.8065	-178.613	1217.04	1
41035_1035	41035	1035	-61.353	-82.431	7.443	-8.3325	124.284	-801.431	1
41035_1036	41035	1036	96.1365	-17.439	-9.537	3.393	-276.663	1048.259	1
41036_1036	41036	1036	-11.202	-10.635	-0.564	-1.4445	7.2675	-711.035	1
41036_1037	41036	1037	-54.7875	-96.726	3.6435	-7.4925	-46.815	677.3445	1
41037_1037	41037	1037	-11.8935	-10.95	-0.549	-1.8885	-0.9585	-582.12	1
41037_1038	41037	1038	-56.235	-90.9345	4.35	-7.1715	4.1715	1134.824	1
41038_1038	41038	1038	32.931	-12.4725	1.296	2.0925	16.2435	-1392.28	1
41038_1039	41038	1039	-57.147	-86.145	-2.178	-8.6685	-24.573	1593.179	1
41039_1039	41039	1039	39.5925	-17.3235	1.6965	1.5885	30.2265	-1782.39	1
41039_1040	41039	1040	-56.766	-80.559	-1.992	-7.95	-49.305	1939.149	1
41040_1040	41040	1040	44.9385	-20.076	0.3915	1.7415	50.334	-2083.77	1
41040_1041	41040	1041	-56.0445	-79.089	-0.8475	-7.7445	-56.877	2178.779	1
41041_1041	41041	1041	48.1905	-23.6445	0.492	1.593	54.645	-2270.27	1
41041_1042	41041	1042	-55.263	-69.327	-0.7935	-8.304	-71.5575	2552.697	1
41042_1042	41042	1042	52.689	-28.38	0.072	0.492	66.9015	-2589.84	1
41042_1043	41042	1043	-54.249	-66.03	-0.147	-7.137	-73.6065	2794.368	1
41043_1043	41043	1043	54.66	-35.007	0.039	-0.2865	70.44	-2793.84	1
41043_1044	41043	1044	-52.662	-58.2975	-0.1095	-6.3645	-74.6415	2942.775	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41044_1044	41044	1044	55.3755	-37.38	-0.102	-1.5345	72.6615	-2935.11	1
41044_1045	41044	1045	-50.64	-55.656	0.0015	-5.166	-74.1405	3058.226	1
41045_1045	41045	1045	55.227	-44.616	-0.138	-2.517	73.0635	-3047.98	1
41045_1046	41045	1046	-48.288	-48.0225	0.015	-4.185	-73.155	3075.353	1
41046_1046	41046	1046	54.282	-46.905	0.009	-4.041	72.5145	-3073.37	1
41046_1047	41046	1047	-45.624	-45.657	-0.123	-2.6415	-73.896	3063.324	1
41047_1047	41047	1047	52.719	-54.5325	-0.0075	-4.8645	73.7835	-3071.03	1
41047_1048	41047	1048	-42.642	-38.3475	-0.1035	-1.83	-73.8645	2961.261	1
41048_1048	41048	1048	50.7255	-56.9805	-0.021	-5.199	74.508	-2970.2	1
41048_1049	41048	1049	-39.3495	-35.991	-0.0075	-1.668	-72.6735	2830.26	1
41049_1049	41049	1049	48.393	-64.758	-0.096	-7.989	74.94	-2837.96	1
41049_1050	41049	1050	-35.5905	-29.259	0.054	1.128	-69.507	2634.564	1
41050_1050	41050	1050	45.747	-67.935	-0.669	-7.5915	73.7865	-2609.59	1
41050_1051	41050	1051	-29.8935	-24.4875	0.4065	0.531	-58.563	2326.163	1
41051_1051	41051	1051	42.327	-78	-0.765	-9.306	61.485	-2238.76	1
41051_1052	41051	1052	-26.619	-20.667	0.3525	3.159	-54.276	2131.412	1
41052_1052	41052	1052	41.2935	-79.5855	-2.274	-7.665	54.6525	-2002.05	1
41052_1053	41052	1053	-21.7725	-17.757	1.746	1.182	-32.802	1835.145	1
41053_1053	41053	1053	39.9825	-85.725	-2.403	-9.6135	26.8845	-1666.43	1
41053_1054	41053	1054	-16.422	-12.4185	1.2945	2.7075	-18.5565	1446.155	1
41054_1054	41054	1054	38.049	-90.915	4.926	-7.41	-3.5715	-1202.04	1
41054_1055	41054	1055	40.6515	-8.361	-0.2025	-1.575	15.792	500.0805	1
41055_1055	41055	1055	36.4575	-97.3635	4.2195	-7.944	55.2825	-735.044	1
41055_1056	41055	1056	40.5435	-7.3035	-0.2355	-1.563	12.669	591.549	1
41056_1056	41056	1056	-110.697	-18.0345	-8.0505	-1.404	252.6315	-1131.08	1
41056_1057	41056	1057	73.4895	-81.6975	6.3195	-4.1325	-114.27	952.9185	1
41057_1057	41057	1057	-103.106	-21.957	-7.8795	-0.582	167.301	-1299.43	1
41057_1058	41057	1058	68.922	-76.284	5.67	-4.56	-55.41	1158.248	1
41058_1058	41058	1058	-96.7545	-25.6755	-7.7115	0.471	98.616	-1421.31	1
41058_1059	41058	1059	65.358	-70.6815	4.9995	-5.139	-5.7975	1331.741	1
41059_1059	41059	1059	-89.895	-28.854	-1.167	-0.909	32.556	-1525.07	1
41059_1060	41059	1060	62.8125	-66.0345	0.3345	-4.572	2.5185	1489.701	1
41060_1060	41060	1060	-83.187	-33.231	-0.93	-1.6155	18.3945	-1611.67	1
41060_1061	41060	1061	61.371	-60.0465	0.102	-3.8025	7.5	1603.665	1
41061_1061	41061	1061	-76.866	-38.0415	-0.705	-2.7375	7.158	-1671.87	1
41061_1062	41061	1062	61.0635	-54.165	-0.1515	-2.7495	9.18	1674.32	1
41062_1062	41062	1062	-71.547	-40.647	-0.45	-0.966	-1.083	-1707.98	1
41062_1063	41062	1063	61.5795	-52.74	-0.063	-4.1475	9.5775	1717.214	1
41063_1063	41063	1063	-68.1885	-44.6145	-0.2655	-2.79	-4.8465	-1728.48	1
41063_1064	41063	1064	62.6955	-48.3825	-0.2235	-2.232	8.4225	1733.685	1
41064_1064	41064	1064	-65.5425	-48.834	-0.1935	-2.247	-7.122	-1733.1	1
41064_1065	41064	1065	64.452	-44.1765	-0.2955	-2.7795	6.3915	1726.91	1
41065_1065	41065	1065	-63.5025	-53.211	-0.027	-4.326	-8.538	-1714.05	1
41065_1066	41065	1066	66.96	-40.2315	-0.4815	-0.8055	2.841	1704.509	1
41066_1066	41066	1066	-62.0505	-54.591	-0.0675	-3.216	-8.364	-1668.43	1
41066_1067	41066	1067	71.208	-37.6935	-0.771	-2.022	-5.4105	1666.772	1
41067_1067	41067	1067	-61.0875	-60.471	0.1785	-4.2735	-6.624	-1594.51	1
41067_1068	41067	1068	76.5735	-32.916	-0.981	-1.0065	-16.5405	1605.851	1
41068_1068	41068	1068	-61.266	-66.459	0.3285	-3.3315	-1.6755	-1477.37	1
41068_1069	41068	1069	82.4325	-28.593	-1.104	-2.046	-29.6685	1520.253	1
41069_1069	41069	1069	-62.472	-71.0715	5.0805	-5.142	5.874	-1317.36	1
41069_1070	41069	1070	88.41	-25.458	-7.842	0.4905	-96.225	1417.976	1
41070_1070	41070	1070	-64.8735	-76.6575	5.763	-4.563	55.572	-1141.89	1
41070_1071	41070	1071	94.194	-21.7995	-8.0085	-0.5685	-165.483	1299.147	1
41071_1071	41071	1071	-68.3505	-82.05	6.4185	-4.0305	114.711	-934.916	1
41071_1072	41071	1072	101.2785	-17.9685	-8.172	-1.5015	-251.327	1136.646	1
41072_1072	41072	1072	-6.0165	-9.0975	-0.3825	-1.278	18.5715	-545.991	1
41072_1073	41072	1073	-46.6005	-97.0035	4.107	-7.8465	-53.5635	786.546	1
41073_1073	41073	1073	-7.4745	-9.264	-0.3705	-1.9425	12.087	-438.2	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41073_1074	41073	1074	-47.3805	-90.9465	4.7805	-7.32	3.9915	1277.318	1
41074_1074	41074	1074	26.3535	-12.285	1.269	2.721	18.213	-1458.71	1
41074_1075	41074	1075	-47.8335	-86.22	-2.4675	-9.513	-27.057	1772.18	1
41075_1075	41075	1075	32.184	-17.331	1.701	1.122	32.0055	-1865.04	1
41075_1076	41075	1076	-47.097	-80.4675	-2.388	-7.344	-56.5875	2140.679	1
41076_1076	41076	1076	36.8205	-19.8645	0.4605	2.7825	53.154	-2188.64	1
41076_1077	41076	1077	-46.311	-79.272	-0.6495	-8.796	-63.219	2407.716	1
41077_1077	41077	1077	39.5685	-23.571	0.462	0.579	58.4235	-2426.6	1
41077_1078	41077	1078	-45.8265	-70.431	-0.513	-7.3725	-73.1325	2812.958	1
41078_1078	41078	1078	43.0845	-27.6915	-0.0165	1.2195	68.0415	-2765.63	1
41078_1079	41078	1079	-45.492	-67.818	0.2685	-7.7715	-71.1885	3068.058	1
41079_1079	41079	1079	44.811	-33.8295	-0.1515	-0.0585	69.3015	-2998.46	1
41079_1080	41079	1080	-44.88	-60.7995	0.3495	-6.3975	-67.398	3238.644	1
41080_1080	41080	1080	45.603	-35.772	-0.024	-0.438	67.215	-3176.7	1
41080_1081	41080	1081	-44.055	-58.9065	0.1425	-6.0225	-66.351	3380.93	1
41081_1081	41081	1081	45.8205	-42.3495	-0.114	-1.9005	66.831	-3330.61	1
41081_1082	41081	1082	-43.077	-51.9645	0.21	-4.494	-64.0785	3434.384	1
41082_1082	41082	1082	45.597	-43.884	0.0885	-1.4565	64.6515	-3406.44	1
41082_1083	41082	1083	-41.8875	-49.9125	0.0105	-5.193	-64.614	3462.932	1
41083_1083	41083	1083	44.9925	-51.219	-0.0195	-5.412	65.193	-3462.9	1
41083_1084	41083	1084	-40.5375	-42.642	0.108	-1.248	-63.4695	3391.935	1
41084_1084	41084	1084	44.1345	-53.163	0.306	-3.4125	63.8895	-3418.14	1
41084_1085	41084	1085	-39.108	-41.217	-0.1875	-3.1575	-66.2235	3305.981	1
41085_1085	41085	1085	43.176	-60.135	0.198	-7.68	66.873	-3351.12	1
41085_1086	41085	1086	-37.413	-34.713	-0.063	0.987	-66.723	3143.415	1
41086_1086	41086	1086	42.078	-61.7775	0.282	-5.226	68.1525	-3194.9	1
41086_1087	41086	1087	-35.4195	-33.054	-0.072	-1.38	-67.5465	2963.201	1
41087_1087	41087	1087	40.863	-68.7765	0.159	-8.886	70.6785	-3015.86	1
41087_1088	41087	1088	-32.9025	-26.973	0.0675	2.169	-65.2305	2726.901	1
41088_1088	41088	1088	39.477	-71.3445	-0.1875	-8.5725	70.8765	-2754.05	1
41088_1089	41088	1089	-29.064	-23.2605	0.1155	2.121	-61.1685	2399.676	1
41089_1089	41089	1089	38.088	-79.8015	-0.2205	-6.9375	66.021	-2371.27	1
41089_1090	41089	1090	-26.3655	-19.497	0.0975	1.1205	-58.7115	2169.933	1
41090_1090	41090	1090	38.01	-81.2355	-2.3685	-7.8885	62.826	-2105.79	1
41090_1091	41090	1091	-22.137	-16.656	1.767	1.8	-36.135	1839.381	1
41091_1091	41091	1091	37.875	-87.2445	-2.442	-8.7735	33.387	-1725.3	1
41091_1092	41091	1092	-17.2755	-11.4435	1.3125	2.1555	-20.727	1417.638	1
41092_1092	41092	1092	37.0845	-92.0115	4.953	-6.852	1.68	-1224.18	1
41092_1093	41092	1093	12.036	-9.54	-0.2175	-2.0895	-1.2195	502.7535	1
41093_1093	41093	1093	36.381	-98.3235	4.2945	-7.881	60.639	-725.193	1
41093_1094	41093	1094	7.653	-9.2655	-0.2265	-1.2255	-6.1965	601.5015	1
41094_1094	41094	1094	-112.776	-17.9745	-7.689	-1.0815	240.3465	-1121.55	1
41094_1095	41094	1095	74.3025	-81.384	5.9805	-4.4835	-107.883	948.9225	1
41095_1095	41095	1095	-104.954	-21.8985	-7.563	0.342	158.8455	-1287.44	1
41095_1096	41095	1096	69.4545	-75.852	5.382	-5.1975	-51.87	1154.663	1
41096_1096	41096	1096	-98.4435	-25.65	-7.1475	-2.016	92.937	-1409.43	1
41096_1097	41096	1097	65.5905	-70.1085	4.5615	-3.3915	-6.195	1326.419	1
41097_1097	41097	1097	-91.359	-28.833	-1.1055	-1.359	31.5855	-1512.89	1
41097_1098	41097	1098	62.6835	-65.517	0.252	-3.489	1.1505	1482.33	1
41098_1098	41098	1098	-84.423	-33.273	-0.8565	-2.3535	18.2655	-1599.63	1
41098_1099	41098	1099	60.8805	-59.5275	0.009	-2.613	5.124	1595.118	1
41099_1099	41099	1099	-77.8455	-38.178	-0.729	-1.4775	7.968	-1659.49	1
41099_1100	41099	1100	60.165	-53.6475	-0.168	-3.3735	6.339	1663.994	1
41100_1100	41100	1100	-72.2595	-40.3395	-0.0195	-9.765	-0.003	-1694.06	1
41100_1101	41100	1101	60.3315	-52.9425	-0.519	7.8585	3.768	1708.349	1
41101_1101	41101	1101	-68.6655	-44.2965	0.045	-10.536	-0.942	-1714.87	1
41101_1102	41101	1102	61.08	-48.5565	-0.6	7.332	-0.0045	1726.007	1
41102_1102	41102	1102	-65.766	-48.5235	-0.6555	8.5635	-1.101	-1719.98	1
41102_1103	41102	1103	62.4855	-44.3175	0.039	-11.766	-0.558	1723.232	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41103_1103	41103	1103	-63.4875	-52.9125	-0.459	6.3195	-4.8015	-1704.6	1
41103_1104	41103	1104	64.614	-40.338	-0.144	-8.3055	-2.649	1703.811	1
41104_1104	41104	1104	-61.7715	-53.5695	-0.2145	-2.6145	-6.5625	-1661.94	1
41104_1105	41104	1105	68.313	-38.2035	-0.696	-2.286	-10.983	1671.951	1
41105_1105	41105	1105	-60.417	-59.4495	0.0435	-3.7365	-5.076	-1596.69	1
41105_1106	41105	1106	73.1025	-33.2775	-0.921	-1.1115	-22.431	1613.912	1
41106_1106	41106	1106	-60.1485	-65.439	0.21	-2.8995	-0.1545	-1487.01	1
41106_1107	41106	1107	78.36	-28.8165	-1.0665	-1.974	-36.159	1528.716	1
41107_1107	41107	1107	-60.9585	-70.0725	4.6725	-4.725	7.5495	-1334.43	1
41107_1108	41107	1108	83.799	-25.611	-7.32	0.126	-99.561	1425.492	1
41108_1108	41108	1108	-62.889	-75.792	5.3235	-4.1625	54.8145	-1164.75	1
41108_1109	41108	1109	88.9035	-21.816	-7.4865	-0.8505	-165.684	1303.286	1
41109_1109	41109	1109	-65.8635	-81.3525	5.973	-4.035	111.186	-961.107	1
41109_1110	41109	1110	95.1315	-17.8395	-7.668	-1.263	-247.89	1135.874	1
41110_1110	41110	1110	-16.8255	-5.0505	-0.1575	-0.756	-3.762	-395.145	1
41110_1111	41110	1111	-50.916	-95.3085	4.434	-8.082	-71.9805	799.044	1
41111_1111	41111	1111	22.9605	-8.493	-1.8255	0.3165	56.4225	-1043.69	1
41111_1112	41111	1112	-52.791	-89.0235	5.1375	-6.597	-12.3765	1257.983	1
41112_1112	41112	1112	29.1165	-13.107	1.1145	2.4825	27.399	-1463.41	1
41112_1113	41112	1113	-54.4935	-84.2205	-1.9905	-9.2445	-39.432	1711.737	1
41113_1113	41113	1113	35.745	-18.351	1.4745	0.921	40.764	-1855.01	1
41113_1114	41113	1114	-55.0365	-78.3315	-1.815	-7.302	-62.952	2044.097	1
41114_1114	41114	1114	41.2695	-21.1185	0.234	4.1265	59.64	-2153.06	1
41114_1115	41114	1115	-55.1955	-77.088	-0.441	-10.2795	-67.605	2278.605	1
41115_1115	41115	1115	44.766	-24.93	0.1845	-0.105	63.1665	-2354.11	1
41115_1116	41115	1116	-56.3025	-68.091	-0.2475	-6.8475	-73.26	2611.091	1
41116_1116	41116	1116	49.686	-28.863	-0.246	0.7275	68.7135	-2638.39	1
41116_1117	41116	1117	-57.0675	-65.6805	0.474	-7.1805	-68.637	2830.449	1
41117_1117	41117	1117	52.5705	-35.1975	-0.3765	-0.33	67.3575	-2831	1
41117_1118	41117	1118	-57.456	-58.395	0.5715	-6.1305	-61.8945	2965.442	1
41118_1118	41118	1118	54.5895	-36.8595	-0.2775	0.18	62.8215	-2963.86	1
41118_1119	41118	1119	-57.555	-56.679	0.3795	-6.9075	-57.447	3077.904	1
41119_1119	41119	1119	56.025	-43.6365	-0.4275	-3.543	59.424	-3077.62	1
41119_1120	41119	1120	-57.393	-49.455	0.5025	-3.2055	-51.2025	3099.756	1
41120_1120	41120	1120	56.91	-45.003	-0.2355	-3.2025	53.4555	-3113.21	1
41120_1121	41120	1121	-56.952	-47.589	0.3015	-3.432	-47.4675	3099.497	1
41121_1121	41121	1121	57.4065	-52.5975	-0.315	-4.203	49.626	-3132.32	1
41121_1122	41121	1122	-56.211	-40.059	0.366	-2.484	-42.693	2999.66	1
41122_1122	41122	1122	57.5535	-54.5505	-0.0645	-5.187	44.391	-3050.14	1
41122_1123	41122	1123	-55.155	-38.7105	0.1035	-1.4685	-41.829	2889.957	1
41123_1123	41123	1123	57.4125	-61.773	-0.1365	-6.2745	42.897	-2950.19	1
41123_1124	41123	1124	-53.6505	-32.031	0.1815	-0.471	-39.72	2706.114	1
41124_1124	41124	1124	57.039	-63.405	0.1125	-5.8905	40.416	-2761.44	1
41124_1125	41124	1125	-51.5835	-30.4815	-0.0015	-1.005	-40.2315	2510.933	1
41125_1125	41125	1125	56.4135	-70.659	-0.015	-8.676	41.331	-2552.37	1
41125_1126	41125	1126	-48.6285	-24.345	0.153	1.6935	-37.9245	2267.151	1
41126_1126	41126	1126	55.455	-73.0665	-0.9045	-7.833	40.3365	-2261.41	1
41126_1127	41126	1127	-43.929	-21.141	0.837	0.897	-25.4985	1954.476	1
41127_1127	41127	1127	54.3945	-81.4695	-1.0485	-7.9515	26.1255	-1854.73	1
41127_1128	41127	1128	-40.4805	-17.5125	0.828	1.866	-18.6735	1729.932	1
41128_1128	41128	1128	54.2835	-82.275	-2.4615	-7.422	16.752	-1578.72	1
41128_1129	41128	1129	-34.929	-15.3645	1.839	0.702	1.728	1432.394	1
41129_1129	41129	1129	53.8485	-87.9855	-2.6115	-8.679	-12.6825	-1212.18	1
41129_1130	41129	1130	20.481	-10.7505	-0.984	-1.2405	-20.8695	579.1125	1
41130_1130	41130	1130	52.2405	-92.34	5.295	-6.777	-44.0655	-729.84	1
41130_1131	41130	1131	19.0065	-9.9885	-0.4365	-1.8645	-27.0855	699.1395	1
41131_1131	41131	1131	50.4015	-98.391	4.812	-6.1185	24.405	-265.572	1
41131_1132	41131	1132	15.945	-9.5325	-0.429	-0.5955	-33.1905	804.141	1
41132_1132	41132	1132	-118.907	-14.3085	-6.714	-5.91	196.821	-835.767	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41132_1133	41132	1133	73.674	-82.857	6.0225	2.718	-98.0715	740.58	1
41133_1133	41133	1133	-109.634	-18.7155	-6.9465	-3.918	129.0165	-1054.69	1
41133_1134	41133	1134	67.758	-76.902	5.646	0.1215	-44.3265	983.196	1
41134_1134	41134	1134	-101.76	-22.935	-8.502	13.992	70.551	-1197.67	1
41134_1135	41134	1135	62.913	-70.869	6.1245	-11.796	9.7995	1183.728	1
41135_1135	41135	1135	-93.7485	-25.23	-0.1305	-1.656	0.9585	-1324.02	1
41135_1136	41135	1136	59.307	-66.42	-0.2745	-2.61	9.1035	1371.968	1
41136_1136	41136	1136	-85.662	-30.027	-0.1605	0.696	-2.2425	-1440.43	1
41136_1137	41136	1137	56.6805	-59.697	-0.252	-4.7895	7.7055	1507.028	1
41137_1137	41137	1137	-77.9205	-35.307	0.006	-0.279	-4.806	-1525.36	1
41137_1138	41137	1138	55.1955	-53.1285	-0.375	-3.4755	4.8255	1589.255	1
41138_1138	41138	1138	-71.214	-37.9515	-0.066	-1.1595	-5.226	-1581.02	1
41138_1139	41138	1139	54.8295	-51.903	-0.1545	-2.706	3.33	1639.646	1
41139_1139	41139	1139	-66.8985	-42.333	0.084	-3.2895	-5.4525	-1617.32	1
41139_1140	41139	1140	55.0755	-47.031	-0.261	-0.5745	0.966	1658.564	1
41140_1140	41140	1140	-63.3075	-47.028	0.1095	-2.88	-4.659	-1634.01	1
41140_1141	41140	1141	55.9695	-42.3495	-0.276	-1.1475	-1.587	1649.555	1
41141_1141	41141	1141	-60.36	-51.9135	0.033	0.267	-3.5355	-1622.92	1
41141_1142	41141	1142	57.63	-37.989	-0.204	-4.044	-3.7875	1621.881	1
41142_1142	41142	1142	-58.0095	-53.292	-0.138	-4.383	-2.4975	-1581.16	1
41142_1143	41142	1143	60.747	-35.373	-0.327	0.5145	-8.1795	1574.397	1
41143_1143	41143	1143	-55.863	-59.8275	-0.051	-4.002	-1.5735	-1508.09	1
41143_1144	41143	1144	64.959	-30.072	-0.3915	-0.255	-13.83	1497.132	1
41144_1144	41144	1144	-54.8685	-66.5025	-0.0405	-1.725	0.621	-1383.66	1
41144_1145	41144	1145	69.6165	-25.2735	-0.3765	-2.559	-19.89	1388.952	1
41145_1145	41145	1145	-55.077	-71.46	4.3425	-5.4	3.726	-1208.18	1
41145_1146	41145	1146	74.628	-21.9375	-6.2595	1.3725	-72.252	1262.525	1
41146_1146	41146	1146	-56.3925	-77.6895	4.857	-4.9695	44.7525	-1014.41	1
41146_1147	41146	1147	79.134	-17.856	-6.324	0.45	-125.726	1114.832	1
41147_1147	41147	1147	-58.7955	-83.67	5.3355	-3.7755	92.6955	-776.37	1
41147_1148	41147	1148	84.5595	-13.5855	-6.3495	-1.2465	-190.25	900.7155	1
41148_1148	41148	1148	-34.0695	-6.204	-0.2355	-0.546	7.017	-587.904	1
41148_1149	41148	1149	-74.433	-92.109	3.7845	-5.904	-34.5765	531.6705	1
41149_1149	41149	1149	37.4655	-9.567	-1.233	0.234	32.5635	-854.658	1
41149_1150	41149	1150	-79.1325	-85.881	4.464	-5.961	20.8485	937.44	1
41150_1150	41150	1150	46.776	-14.0895	0.993	1.221	7.0185	-1223.04	1
41150_1151	41150	1151	-83.22	-81.243	-2.016	-7.1535	-2.475	1342.295	1
41151_1151	41151	1151	56.772	-19.2345	1.4085	1.0305	14.487	-1547.32	1
41151_1152	41151	1152	-85.56	-75.594	-1.851	-6.7155	-23.673	1623.09	1
41152_1152	41152	1152	65.1525	-21.7065	0.546	0.714	29.4165	-1796.46	1
41152_1153	41152	1153	-86.7195	-74.655	-1.0245	-6.114	-31.6425	1840.239	1
41153_1153	41153	1153	70.479	-25.578	0.639	0.8385	33.8085	-1958.66	1
41153_1154	41153	1154	-88.7265	-65.88	-0.96	-6.756	-44.766	2111.753	1
41154_1154	41154	1154	77.8395	-29.3805	-0.0975	-0.1935	44.07	-2177.42	1
41154_1155	41154	1155	-89.7555	-62.814	0.0045	-5.8425	-44.1795	2304.438	1
41155_1155	41155	1155	82.515	-36.0465	-0.18	-0.981	44.088	-2332.02	1
41155_1156	41155	1156	-89.907	-55.0935	0.0825	-5.094	-42.48	2411.234	1
41156_1156	41156	1156	85.866	-38.352	-0.0795	-1.6275	42.561	-2427.02	1
41156_1157	41156	1157	-89.352	-53.2245	-0.06	-4.4565	-42.6735	2488.703	1
41157_1157	41157	1157	88.068	-44.9535	-0.168	-2.799	42.4635	-2494.81	1
41157_1158	41157	1158	-88.1235	-46.3245	0.021	-3.294	-41.9175	2494.871	1
41158_1158	41158	1158	89.3625	-46.704	0.0405	-3.324	41.2485	-2498.63	1
41158_1159	41158	1159	-86.211	-44.5965	-0.1605	-2.7585	-43.383	2485.77	1
41159_1159	41159	1159	89.9205	-53.5995	-0.045	-4.4775	42.519	-2486.74	1
41159_1160	41159	1160	-83.472	-37.995	-0.072	-1.584	-43.674	2412.38	1
41160_1160	41160	1160	89.778	-55.491	0.0825	-5.862	42.732	-2403.95	1
41160_1161	41160	1161	-79.6245	-35.73	-0.198	0.0075	-45.6495	2311.406	1
41161_1161	41161	1161	88.8675	-63.1785	0.0945	-4.719	44.7705	-2290.98	1
41161_1162	41161	1162	-74.622	-29.0565	-0.189	-1.098	-46.8495	2150.717	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41162_1162	41162	1162	87.1845	-66.4335	-1.2225	-7.047	46.8075	-2093.18	1
41162_1163	41162	1163	-67.0455	-25.086	0.837	1.1805	-33.81	1921.622	1
41163_1163	41163	1163	84.399	-75.2085	-1.2435	-5.628	30.4815	-1808.97	1
41163_1164	41163	1164	-61.668	-21.204	0.6945	0.2595	-28.38	1751.826	1
41164_1164	41164	1164	82.8945	-76.2975	-1.9035	-7.131	21.0105	-1585.86	1
41164_1165	41164	1165	-53.355	-18.648	1.476	1.554	-13.1145	1494.762	1
41165_1165	41165	1165	80.1615	-82.0335	-2.0295	-6.66	-0.336	-1288.39	1
41165_1166	41165	1166	-43.5225	-13.4805	1.0185	0.7965	-5.7045	1160.499	1
41166_1166	41166	1166	75.57	-86.958	4.401	-6.093	-23.631	-871.191	1
41166_1167	41166	1167	-34.374	-8.8515	-1.203	0.4005	-31.371	788.898	1
41167_1167	41167	1167	70.818	-93.2235	3.7275	-5.9085	31.6185	-452.145	1
41167_1168	41167	1168	42.309	-6.7845	-0.237	-0.5595	-8.535	684.678	1
41168_1168	41168	1168	-91.2645	-13.848	-6.426	-1.1775	189.9225	-888.171	1
41168_1169	41168	1169	63.045	-83.8545	5.4195	-3.8895	-93.258	756.9255	1
41169_1169	41169	1169	-85.551	-18.039	-6.4155	0.834	125.079	-1100.11	1
41169_1170	41169	1170	60.0225	-77.9385	4.953	-5.2965	-44.8005	998.631	1
41170_1170	41170	1170	-80.724	-22.047	-6.3525	1.7925	71.19	-1245.95	1
41170_1171	41170	1171	58.0485	-71.772	4.4415	-5.7	-3.177	1195.889	1
41171_1171	41171	1171	-75.5085	-25.533	-0.6855	-2.1105	18.3135	-1372.14	1
41171_1172	41171	1172	57.2715	-66.609	0.129	-2.46	1.0695	1373.795	1
41172_1172	41172	1172	-70.3515	-30.2745	-0.6885	0.339	10.188	-1479.17	1
41172_1173	41172	1173	57.4815	-60.015	0.093	-4.782	3.93	1501.631	1
41173_1173	41173	1173	-65.58	-35.5095	-0.5145	-0.7305	2.7855	-1556.58	1
41173_1174	41173	1174	58.803	-53.541	-0.0945	-3.5355	4.503	1579.331	1
41174_1174	41174	1174	-61.845	-38.2755	-0.057	-3.414	-2.3655	-1605.53	1
41174_1175	41174	1175	60.5055	-52.0215	-0.084	-0.5685	4.089	1624.907	1
41175_1175	41175	1175	-59.6865	-42.606	-0.132	-0.4275	-3.0405	-1634.13	1
41175_1176	41175	1176	62.7885	-47.205	0.0075	-3.756	3.939	1640.628	1
41176_1176	41176	1176	-58.2645	-47.2485	-0.0195	-2.4585	-4.0395	-1644.61	1
41176_1177	41176	1177	65.6685	-42.5655	-0.111	-1.641	3.018	1628.693	1
41177_1177	41177	1177	-57.4605	-52.071	-0.009	-1.869	-4.305	-1627.43	1
41177_1178	41177	1178	69.2505	-38.238	-0.132	-2.124	1.917	1598.477	1
41178_1178	41178	1178	-57.249	-53.622	-0.0615	-3.1395	-4.293	-1580.06	1
41178_1179	41178	1179	74.847	-35.4915	-0.5475	-1.3485	-3.5265	1548.368	1
41179_1179	41179	1179	-57.93	-60.0885	0.129	-4.26	-3.3645	-1500.11	1
41179_1180	41179	1180	81.402	-30.273	-0.726	-0.3135	-11.2095	1470.047	1
41180_1180	41180	1180	-59.7195	-66.69	0.2415	-3.552	-0.0885	-1369.91	1
41180_1181	41180	1181	88.257	-25.5555	-0.813	-1.1145	-20.229	1362.42	1
41181_1181	41181	1181	-62.6415	-71.907	4.4025	-5.6775	5.13	-1189.78	1
41181_1182	41181	1182	95.286	-22.0995	-6.2445	1.986	-72.1905	1236.785	1
41182_1182	41182	1182	-66.513	-78.048	4.896	-5.3475	46.449	-990.569	1
41182_1183	41182	1183	101.6295	-18.135	-6.2955	1.0725	-124.907	1092.435	1
41183_1183	41183	1183	-71.3835	-83.94	5.2935	-3.567	94.2975	-747.473	1
41183_1184	41183	1184	109.0845	-13.998	-6.225	-1.458	-187.476	882.6615	1
41184_1184	41184	1184	-15.3345	-9.87	-0.324	-1.221	14.2335	-679.389	1
41184_1185	41184	1185	-55.6545	-96.234	3.6465	-5.5515	-28.278	394.4715	1
41185_1185	41185	1185	-18.666	-10.338	-0.3435	-1.0305	9.1695	-569.27	1
41185_1186	41185	1186	-58.488	-89.9535	4.242	-5.985	26.142	858.798	1
41186_1186	41186	1186	32.034	-12.0255	1.047	0.7875	5.607	-1122.99	1
41186_1187	41186	1187	-60.9435	-84.7035	-2.1705	-6.5205	1.7925	1325.868	1
41187_1187	41187	1187	39.561	-17.2125	1.5315	1.6395	13.0845	-1489.97	1
41187_1188	41187	1188	-62.19	-78.6765	-2.0745	-7.071	-21.18	1672.068	1
41188_1188	41188	1188	45.978	-19.9515	0.78	0.27	28.944	-1779.73	1
41188_1189	41188	1189	-62.8035	-77.0625	-1.4115	-6.552	-31.986	1922.373	1
41189_1189	41189	1189	50.073	-23.8665	0.951	1.68	35.1915	-1970.34	1
41189_1190	41189	1190	-64.314	-68.2365	-1.425	-8.4525	-51.234	2244.663	1
41190_1190	41190	1190	55.7505	-28.017	0.0375	-2.0115	50.3865	-2243	1
41190_1191	41190	1191	-65.217	-64.68	-0.303	-5.379	-53.8365	2468.217	1
41191_1191	41191	1191	59.3535	-34.59	0.138	1.461	52.488	-2436.15	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41191_1192	41191	1192	-65.4915	-57.0945	-0.3975	-8.8635	-57.6075	2605.1	1
41192_1192	41192	1192	62.007	-37.2495	-0.024	-2.082	55.623	-2571.67	1
41192_1193	41192	1193	-65.217	-54.741	-0.1755	-5.607	-58.9845	2702.789	1
41193_1193	41193	1193	63.786	-43.8495	-0.063	-3.138	56.988	-2670.7	1
41193_1194	41193	1194	-64.3815	-47.88	-0.144	-4.491	-59.8845	2726.067	1
41194_1194	41194	1194	64.8705	-45.939	0.2175	-5.2995	57.7485	-2702.12	1
41194_1195	41194	1195	-63.0015	-45.8655	-0.4365	-2.1135	-63.9825	2728.847	1
41195_1195	41195	1195	65.424	-52.8105	0.2595	-3.9375	61.7715	-2711.6	1
41195_1196	41195	1196	-60.954	-39.3345	-0.447	-3.42	-67.7565	2665.872	1
41196_1196	41196	1196	65.4555	-55.3125	-0.018	-8.6595	66.2055	-2647.35	1
41196_1197	41196	1197	-58.038	-36.63	-0.159	1.524	-68.304	2568.683	1
41197_1197	41197	1197	64.8765	-62.8815	0.0645	-5.085	67.7805	-2544.98	1
41197_1198	41197	1198	-54.2475	-30.1395	-0.237	-2.0505	-69.0195	2412.009	1
41198_1198	41198	1198	63.726	-66.429	-1.356	-9.0855	69.9585	-2357.98	1
41198_1199	41198	1199	-48.51	-26.022	0.981	1.7505	-52.4295	2181.869	1
41199_1199	41199	1199	61.824	-75.1875	-1.398	-7.6335	51.522	-2089.3	1
41199_1200	41199	1200	-44.397	-22.113	0.8115	0.8175	-45.135	2016.027	1
41200_1200	41200	1200	60.987	-77.022	-1.6905	-9.3855	40.371	-1869.29	1
41200_1201	41200	1201	-38.121	-19.074	1.311	2.457	-30.723	1745.496	1
41201_1201	41201	1201	59.4645	-83.0235	-1.8015	-9.2205	20.847	-1563.71	1
41201_1202	41201	1202	-30.8145	-13.8	0.9015	1.701	-22.818	1389.152	1
41202_1202	41202	1202	56.5005	-88.431	4.7565	-8.49	-0.5025	-1136.2	1
41202_1203	41202	1203	-24.1665	-8.9865	-1.272	1.8105	-46.5405	990.327	1
41203_1203	41203	1203	53.6295	-94.698	4.0485	-8.526	56.589	-699.122	1
41203_1204	41203	1204	17.268	-6.7515	-0.1845	-1.3305	1.596	463.887	1
41204_1204	41204	1204	-97.572	-17.022	-7.5	-2.3445	244.2855	-1068.78	1
41204_1205	41204	1205	67.11	-82.719	6.0225	-4.071	-116.081	853.4625	1
41205_1205	41205	1205	-91.23	-20.9385	-7.491	1.686	165.249	-1253.31	1
41205_1206	41205	1206	63.831	-77.2815	5.5245	-6.837	-59.079	1076.865	1
41206_1206	41206	1206	-85.9545	-24.639	-7.356	2.778	100.293	-1372.29	1
41206_1207	41206	1207	61.632	-71.613	4.902	-7.1745	-10.377	1256.757	1
41207_1207	41207	1207	-80.418	-27.876	-1.575	-1.2435	37.2225	-1474.7	1
41207_1208	41207	1208	60.681	-66.6495	0.609	-4.6635	0.2505	1420.995	1
41208_1208	41208	1208	-74.928	-32.2755	-1.3305	-2.0325	20.1015	-1560.52	1
41208_1209	41208	1209	60.7305	-60.519	0.3405	-3.9525	7.0605	1541.061	1
41209_1209	41209	1209	-69.8445	-37.125	-1.1865	-0.9585	6.033	-1620.44	1
41209_1210	41209	1210	61.935	-54.492	0.1305	-4.764	10.5735	1617.281	1
41210_1210	41210	1210	-65.8425	-39.891	-0.3585	-2.0865	-5.454	-1657.39	1
41210_1211	41210	1211	63.591	-52.8195	-0.093	-3.111	10.215	1663.295	1
41211_1211	41211	1211	-63.4935	-43.929	-0.183	-4.119	-8.2185	-1678.32	1
41211_1212	41211	1212	65.838	-48.348	-0.255	-1.1985	8.457	1682.112	1
41212_1212	41212	1212	-61.896	-48.24	-0.123	-3.471	-9.6045	-1683.48	1
41212_1213	41212	1213	68.7015	-44.04	-0.312	-1.9965	5.9535	1676.94	1
41213_1213	41213	1213	-60.9375	-52.6995	-0.1635	-0.099	-10.1955	-1664.74	1
41213_1214	41213	1214	72.3	-40.0155	-0.264	-5.0385	3.33	1656.863	1
41214_1214	41214	1214	-60.597	-54.5115	0.225	-5.772	-10.4025	-1619.91	1
41214_1215	41214	1215	77.9565	-37.1415	-1.308	0.324	-9.354	1619.124	1
41215_1215	41215	1215	-61.1355	-60.5265	0.3645	-3.2955	-5.622	-1542.6	1
41215_1216	41215	1216	84.5955	-32.298	-1.353	-2.6475	-23.916	1558.562	1
41216_1216	41216	1216	-62.8335	-66.6555	0.6435	-4.0035	1.911	-1421.9	1
41216_1217	41216	1217	91.56	-27.9	-1.608	-1.74	-41.5725	1471.992	1
41217_1217	41217	1217	-65.7225	-71.6055	4.6515	-7.0575	13.3395	-1257.29	1
41217_1218	41217	1218	98.7675	-24.558	-7.143	2.079	-103.169	1368.281	1
41218_1218	41218	1218	-69.5925	-77.3025	5.277	-6.483	60.4665	-1076.86	1
41218_1219	41218	1219	105.2775	-20.8395	-7.287	0.8685	-166.775	1247.432	1
41219_1219	41219	1219	-74.481	-82.743	5.877	-4.8705	115.974	-852.905	1
41219_1220	41219	1220	112.971	-16.914	-7.44	-1.5075	-245.417	1059.518	1
41220_1220	41220	1220	-21.75	-10.884	-0.2925	-0.753	-11.8875	-701.223	1
41220_1221	41220	1221	-45.027	-98.334	4.431	-10.767	-50.934	630.9345	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41221_1221	41221	1221	-24.099	-11.469	-0.183	-3.066	-16.4295	-573.824	1
41221_1222	41221	1222	-47.325	-92.2935	5.298	-9.387	12.273	1117.101	1
41222_1222	41222	1222	-24.945	-12.3015	-0.5805	-2.352	-19.1865	-433.118	1
41222_1223	41222	1223	-49.596	-86.856	-2.073	-13.191	-14.4615	1605.135	1
41223_1223	41223	1223	29.604	-17.103	1.503	-0.4275	23.646	-1749.29	1
41223_1224	41223	1224	-51.099	-81.0315	-1.77	-8.6205	-36.978	1965.621	1
41224_1224	41224	1224	35.235	-20.655	0.7485	5.394	40.092	-2060.01	1
41224_1225	41224	1225	-52.077	-78.558	-1.2885	-13.719	-48.408	2214.156	1
41225_1225	41225	1225	38.9625	-24.318	0.762	-1.179	46.68	-2265.72	1
41225_1226	41225	1226	-54.903	-68.5395	-1.029	-8.4315	-67.7085	2616.168	1
41226_1226	41226	1226	45.3345	-30.435	-0.0015	4.2615	63.303	-2600.99	1
41226_1227	41226	1227	-56.7855	-63.549	-0.0045	-13.7925	-68.067	2841.326	1
41227_1227	41227	1227	49.3575	-37.3905	-0.237	-6.2955	65.676	-2803.15	1
41227_1228	41227	1228	-57.948	-55.602	0.261	-2.9295	-64.4295	2961.471	1
41228_1228	41228	1228	52.4835	-41.6115	0.066	-0.027	63.753	-2934.26	1
41228_1229	41228	1229	-58.392	-51.294	-0.228	-8.862	-66.7725	3021.911	1
41229_1229	41229	1229	54.996	-49.242	-0.0615	-7.188	65.967	-3008.54	1
41229_1230	41229	1230	-58.0905	-43.656	-0.069	-1.575	-66.7725	2980.886	1
41230_1230	41230	1230	56.8425	-53.8155	-0.5355	-3.594	66.462	-2981.41	1
41230_1231	41230	1231	-56.847	-39.4095	0.6645	-5.259	-57.3135	2889.584	1
41231_1231	41231	1231	57.9825	-61.728	-0.7635	-10.4505	60.048	-2893	1
41231_1232	41231	1232	-54.5655	-32.478	0.837	1.557	-44.8755	2717.378	1
41232_1232	41232	1232	58.4415	-66.6495	-1.4925	-4.662	49.5795	-2701.4	1
41232_1233	41232	1233	-51.9705	-29.7945	1.6335	-4.134	-26.967	2560.577	1
41233_1233	41233	1233	58.227	-72.933	-1.788	-10.2975	32.7825	-2508.67	1
41233_1234	41233	1234	-48.132	-24.1455	1.6365	1.6425	-7.248	2330.883	1
41234_1234	41234	1234	57.546	-79.8855	-2.1375	-18.2025	8.8245	-2216.88	1
41234_1235	41234	1235	-46.854	-22.8795	1.788	11.148	-2.106	2259.894	1
41235_1235	41235	1235	58.2465	-79.2225	2.2665	-7.4625	1.308	-2126.85	1
41235_1236	41235	1236	-43.4415	-21.5625	-2.214	-0.1485	-19.8885	2100.719	1
41236_1236	41236	1236	56.9865	-83.6235	2.235	-9.9465	17.016	-1917.73	1
41236_1237	41236	1237	-39.3045	-17.322	-1.9545	2.1945	-40.4625	1855.58	1
41237_1237	41237	1237	56.811	-87.984	2.1525	-12.8025	38.7915	-1631.05	1
41237_1238	41237	1238	-36.765	-16.263	-1.755	6.225	-48.5025	1743.474	1
41238_1238	41238	1238	57.003	-82.8525	-6.783	-8.2185	49.4385	-1475.87	1
41238_1239	41238	1239	-31.9725	-16.14	7.644	-0.2895	35.1765	1471.208	1
41239_1239	41239	1239	55.698	-87.867	-7.3455	-8.8035	-27.6975	-1168.61	1
41239_1240	41239	1240	-26.4705	-12.0135	7.431	1.0065	116.646	1149.369	1
41240_1240	41240	1240	51.1665	-81.9885	13.9185	-33.162	-117.584	-826.974	1
41240_1241	41240	1241	-18.045	-17.097	-12.4485	24.138	-36.525	864.5145	1
41241_1241	41241	1241	-107.108	-27.0045	5.8185	22.2135	96.732	-1437.27	1
41241_1242	41241	1242	80.9625	-74.3205	-4.4655	-24.525	-118.112	1111.757	1
41242_1242	41242	1242	-101.58	-31.2015	5.82	21.8955	149.337	-1520.34	1
41242_1243	41242	1243	79.7265	-72.534	-4.4145	-22.8135	-127.598	1165.932	1
41243_1243	41243	1243	-98.5995	-27.2745	-7.7145	-0.081	166.158	-1544.13	1
41243_1244	41243	1244	76.422	-72.819	6.1875	-6.603	-54.084	1360.017	1
41244_1244	41244	1244	-93.033	-31.3305	-7.419	-3.4425	89.031	-1641.05	1
41244_1245	41244	1245	75.447	-66.1005	5.0175	-4.0365	11.5515	1542.029	1
41245_1245	41245	1245	-87.21	-35.283	-1.5615	-1.2705	5.1105	-1715.39	1
41245_1246	41245	1246	76.293	-60.768	1.0815	-6.3045	24.66	1672.029	1
41246_1246	41246	1246	-82.059	-40.41	-1.2015	-4.9245	-14.493	-1763.92	1
41246_1247	41246	1247	78.513	-54.3045	0.6825	-2.9235	32.271	1752.111	1
41247_1247	41247	1247	-78.372	-44.955	-0.021	-2.877	-29.589	-1786.17	1
41247_1248	41247	1248	81.9645	-49.629	0.216	-4.6185	32.328	1790.274	1
41248_1248	41248	1248	-76.386	-50.6175	0.1095	-4.6875	-31.8705	-1785.32	1
41248_1249	41248	1249	87.5985	-43.2105	0.0675	-3.015	30.171	1784.522	1
41249_1249	41249	1249	-75.9195	-56.4795	3.636	-2.5275	-33.0435	-1728.16	1
41249_1250	41249	1250	95.022	-38.1	-4.68	-5.6895	-22.7385	1748.531	1
41250_1250	41250	1250	-77.0925	-63.3915	4.533	-6.792	9.6525	-1622.73	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41250_1251	41250	1251	102.552	-33.396	-4.8615	-0.7665	-70.4655	1691.211	1
41251_1251	41251	1251	-79.4175	-63.5325	0.1935	-2.742	59.118	-1478.6	1
41251_1252	41251	1252	111.18	-33.0765	-3.6405	-4.563	-107.303	1647.041	1
41252_1252	41252	1252	-83.8335	-70.029	1.194	-4.8585	74.442	-1338.05	1
41252_1253	41252	1253	120.4125	-27.606	-4.7265	-1.506	-166.64	1545.095	1
41253_1253	41253	1253	-90.624	-77.055	2.0085	-2.67	110.124	-1138.87	1
41253_1254	41253	1254	123.033	-26.1765	-4.8405	-3.1095	-185.828	1505.876	1
41254_1254	41254	1254	-92.742	-73.0065	-1.572	-36.0465	123.234	-1081.04	1
41254_1255	41254	1255	127.317	-29.5335	4.287	40.4145	-165.995	1469.751	1
41255_1255	41255	1255	12.57	-11.5545	-7.326	15.087	54.6465	-841.611	1
41255_1256	41255	1256	-41.6175	-92.193	12.1575	-25.8165	-5.58	721.2015	1
41256_1256	41256	1256	15.645	-14.4735	-8.4255	15.5895	-3.282	-1083.54	1
41256_1257	41256	1257	-42.777	-89.1705	12.6375	-25.7865	83.2005	943.0755	1
41257_1257	41257	1257	-41.736	-10.8645	-0.183	-1.248	-6.7725	-595.313	1
41257_1258	41257	1258	-45.0195	-92.9715	0.396	-9.0615	84.318	1322.333	1
41258_1258	41258	1258	23.0055	-13.7085	1.1145	0.633	-62.2515	-1606.62	1
41258_1259	41258	1259	-47.262	-87.138	1.0005	-9.333	96.8025	1751.244	1
41259_1259	41259	1259	28.122	-17.8395	5.259	3.7185	-65.472	-1953.33	1
41259_1260	41259	1260	-47.889	-83.3595	-7.0245	-11.799	22.596	2068.209	1
41260_1260	41260	1260	32.6235	-21.753	5.8455	1.236	-15.5535	-2223.17	1
41260_1261	41260	1261	-49.278	-78.687	-6.837	-9.2865	-44.814	2339.391	1
41261_1261	41261	1261	36.486	-25.731	6.294	2.0865	40.1415	-2443.03	1
41261_1262	41261	1262	-49.44	-77.2815	-6.7635	-8.928	-66.993	2428.601	1
41262_1262	41262	1262	37.83	-26.1345	-0.135	4.7655	60.6735	-2510.97	1
41262_1263	41262	1263	-52.305	-71.8335	0.1755	-13.551	-66.6345	2697.831	1
41263_1263	41263	1263	41.8455	-31.554	-0.2655	-2.208	61.4775	-2727.4	1
41263_1264	41263	1264	-54.756	-64.56	0.3735	-6.6315	-63.069	2908.862	1
41264_1264	41264	1264	45.759	-35.487	-0.078	2.5725	60.003	-2904.81	1
41264_1265	41264	1265	-56.6625	-60.0525	0.219	-11.4	-61.1325	3060.573	1
41265_1265	41265	1265	49.101	-41.928	-0.282	-5.766	60.0765	-3047	1
41265_1266	41265	1266	-58.0425	-53.0475	0.438	-2.883	-55.965	3126.611	1
41266_1266	41266	1266	51.963	-45.9675	-0.225	-1.707	56.751	-3117.04	1
41266_1267	41266	1267	-58.8795	-48.699	0.564	-6.7515	-49.146	3136.65	1
41267_1267	41267	1267	54.423	-52.9545	-0.432	-7.1655	53.0895	-3139.51	1
41267_1268	41267	1268	-59.0565	-42.0285	0.7545	-1.251	-39.378	3067.203	1
41268_1268	41268	1268	56.385	-57.4815	-0.7635	-4.17	45.864	-3078.28	1
41268_1269	41268	1269	-58.3005	-36.8205	1.209	-4.554	-22.0005	2931.071	1
41269_1269	41269	1269	58.014	-65.5455	-1.077	-11.1045	31.641	-2937.42	1
41269_1270	41269	1270	-56.7135	-30.8205	1.3995	2.523	-4.482	2747.489	1
41270_1270	41270	1270	58.8645	-71.187	4.989	-5.8545	14.124	-2724.1	1
41270_1271	41270	1271	-54.786	-27.3165	-4.5795	-2.1735	-46.269	2574.743	1
41271_1271	41271	1271	59.082	-76.791	4.992	-10.38	57.6465	-2510.83	1
41271_1272	41271	1272	-51.615	-22.3155	-3.9885	2.208	-87.135	2330.993	1
41272_1272	41272	1272	59.133	-83.1435	4.878	-14.4405	110.4945	-2193.15	1
41272_1273	41272	1273	-50.166	-20.82	-3.6705	7.281	-98.9115	2231.177	1
41273_1273	41273	1273	59.4045	-76.1805	-2.5335	-6.0195	128.8125	-2065.6	1
41273_1274	41273	1274	-46.9215	-24.0465	0.7635	-1.095	-84.3015	2080.724	1
41274_1274	41274	1274	59.58	-79.968	-2.3955	-8.6325	105.6495	-1867.49	1
41274_1275	41274	1275	-43.4865	-20.904	0.4515	1.6395	-75.078	1905.639	1
41275_1275	41275	1275	59.3055	-83.73	-2.3205	-14.9325	84.9255	-1671.2	1
41275_1276	41275	1276	-41.436	-19.53	0.4275	8.49	-71.3595	1814.264	1
41276_1276	41276	1276	59.2365	-78.6945	-14.379	-8.9655	75.1545	-1556.93	1
41276_1277	41276	1277	-35.493	-18.9585	14.0595	0.2265	97.128	1540.967	1
41277_1277	41277	1277	58.3365	-84.1155	-14.8725	-8.9325	-98.5755	-1270.88	1
41277_1278	41277	1278	-28.833	-13.8225	13.116	1.227	258.594	1173.392	1
41278_1278	41278	1278	55.4145	-79.848	26.712	-43.4175	-295.755	-903.176	1
41278_1279	41278	1279	-22.83	-19.155	-21.2565	32.6265	36.66	934.2765	1
41279_1279	41279	1279	-92.259	-28.1625	12.546	20.667	-9.2055	-1513.74	1
41279_1280	41279	1280	72.519	-74.1885	-8.46	-21.639	-73.1235	1091.376	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41280_1280	41280	1280	-87.5745	-31.9665	12.204	19.8855	107.0595	-1572.13	1
41280_1281	41280	1281	71.8725	-71.1	-7.6995	-19.587	-106.626	1185.503	1
41281_1281	41281	1281	-84.8265	-31.6515	-6.999	0.417	168.5265	-1567.41	1
41281_1282	41281	1282	72.063	-66.1665	2.9475	-4.287	-37.965	1349.811	1
41282_1282	41282	1282	-78.996	-37.386	-6.0855	-2.8695	75.249	-1615.92	1
41282_1283	41282	1283	75.0765	-58.6575	1.3065	-1.785	-5.214	1487.151	1
41283_1283	41283	1283	-74.19	-38.9925	-0.039	-0.897	2.685	-1614.17	1
41283_1284	41283	1284	80.877	-54.018	0.195	-4.3575	-2.5275	1604.069	1
41284_1284	41284	1284	-71.8335	-46.1865	0.159	-4.425	2.9895	-1639.58	1
41284_1285	41284	1285	88.152	-47.184	-0.0405	-0.813	-1.725	1648.386	1
41285_1285	41285	1285	-71.9595	-49.296	-0.756	-0.8955	4.689	-1610.11	1
41285_1286	41285	1286	97.605	-43.743	-1.179	-4.416	-13.2495	1676.718	1
41286_1286	41286	1286	-74.4	-56.55	-0.084	-3.9165	0.9915	-1564.62	1
41286_1287	41286	1287	107.925	-37.7955	-1.869	-0.864	-35.1465	1661.331	1
41287_1287	41287	1287	-78.648	-59.661	0.726	-1.287	8.871	-1462.58	1
41287_1288	41287	1288	122.31	-34.584	-2.7375	-4.338	-78.306	1653.239	1
41288_1288	41288	1288	-86.8245	-68.256	1.569	-3.8325	35.976	-1317.99	1
41288_1289	41288	1289	134.373	-29.3145	-3.5475	-0.1875	-128.175	1599.102	1
41289_1289	41289	1289	-96.042	-72.2565	-2.9205	-7.854	73.6545	-1139.01	1
41289_1290	41289	1290	138.687	-30.498	6.0345	7.7055	-108.731	1581.869	1
41290_1290	41290	1290	-99.762	-74.6475	-3.0915	-9.582	67.638	-1073.12	1
41290_1291	41290	1291	147.9975	-26.436	6.3555	9.753	-55.548	1524.971	1
41291_1291	41291	1291	4.695	-10.743	-7.62	15.1365	-27.453	-883.988	1
41291_1292	41291	1292	-20.6685	-96.294	12.54	-24.2385	108.444	985.701	1
41292_1292	41292	1292	6.213	-6.8985	4.6755	2.0085	-89.8185	-1140.78	1
41292_1293	41292	1293	-19.827	-98.403	-4.3845	-7.371	49.224	1593.08	1
41293_1293	41293	1293	7.782	-10.62	4.827	-2.1825	-37.5585	-1643.59	1
41293_1294	41293	1294	-17.856	-93.714	-4.0035	-3.5445	3.321	2100.441	1
41294_1294	41294	1294	9.198	-14.391	0.1695	7.587	10.776	-2074.9	1
41294_1295	41294	1295	-16.446	-91.122	-0.8715	-12.7545	-1.4925	2405.631	1
41295_1295	41295	1295	10.2015	-16.851	0.2595	-0.2205	9.615	-2334.19	1
41295_1296	41295	1296	-15.3525	-87.867	-0.87	-3.9135	-8.265	2698.142	1
41296_1296	41296	1296	11.157	-19.578	0.378	-2.265	10.0485	-2589.62	1
41296_1297	41296	1297	-14.8815	-83.6205	-0.9	-2.2005	-17.2065	3036.615	1
41297_1297	41297	1297	12.0495	-20.682	0.4725	8.067	13.311	-2885.46	1
41297_1298	41297	1298	-15.0495	-84.3735	-0.21	-13.2435	-18.8745	3191.301	1
41298_1298	41298	1298	12.432	-22.365	0.447	4.191	15.354	-3028.1	1
41298_1299	41298	1299	-15.423	-79.8795	-0.087	-9.048	-21.1365	3493.884	1
41299_1299	41299	1299	13.1835	-26.061	0.3645	-5.034	19.1625	-3301.06	1
41299_1300	41299	1300	-15.8085	-73.4415	0.0855	0.2925	-21.0405	3843.816	1
41300_1300	41300	1300	14.103	-28.7265	-0.288	5.9445	22.6035	-3645.64	1
41300_1301	41300	1301	-16.038	-69.7245	0.513	-11.532	-14.676	4166.211	1
41301_1301	41301	1301	14.907	-35.0415	-0.426	-7.782	17.3175	-3995.41	1
41301_1302	41301	1302	-16.0455	-63.4425	0.6075	3.318	-7.698	4348.205	1
41302_1302	41302	1302	15.423	-37.0725	-0.186	6.603	10.398	-4227.01	1
41302_1303	41302	1303	-15.8325	-59.8875	0.369	-11.841	-3.4335	4494.257	1
41303_1303	41303	1303	15.843	-44.0115	-0.3135	-11.8695	5.754	-4453.12	1
41303_1304	41303	1304	-15.441	-53.5575	0.4725	7.137	1.476	4506.609	1
41304_1304	41304	1304	16.026	-45.6975	-0.345	4.4535	0.2955	-4546.12	1
41304_1305	41304	1305	-14.715	-50.193	0.471	-8.7525	6.411	4445.697	1
41305_1305	41305	1305	16.035	-52.7925	-0.45	-11.8575	-5.9535	-4600.93	1
41305_1306	41305	1306	-13.8165	-43.3455	0.54	6.87	11.442	4265.124	1
41306_1306	41306	1306	15.8505	-54.51	-0.471	2.43	-12.5715	-4538.13	1
41306_1307	41306	1307	-12.5955	-40.2615	0.5115	-5.9475	15.243	3996.635	1
41307_1307	41307	1307	15.4395	-61.344	-0.5415	-11.367	-18.6765	-4415.77	1
41307_1308	41307	1308	-10.929	-32.1135	0.5415	5.799	19.1535	3546.639	1
41308_1308	41308	1308	14.748	-64.4415	-0.351	-0.0525	-25.6425	-4144.55	1
41308_1309	41308	1309	-8.934	-27.1905	0.4995	-3.1665	20.7585	2982.516	1
41309_1309	41309	1309	13.797	-72.09	-0.456	-12.9885	-29.2365	-3790.03	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41309_1310	41309	1310	-6.4395	-18.366	0.4815	5.316	20.976	2221.112	1
41310_1310	41310	1310	12.516	-77.2035	1.245	-3.7575	-34.0605	-3266.1	1
41310_1311	41310	1311	-3.8895	-11.2665	-0.396	-0.4035	7.8705	1359.659	1
41311_1311	41311	1311	10.812	-86.2365	1.0605	-11.8635	-17.247	-2566.83	1
41311_1312	41311	1312	4.8555	-9.561	0.492	-2.4675	-18.732	-131.82	1
41312_1312	41312	1312	8.682	-95.0085	0.228	-6.6675	-4.0965	-1650.58	1
41312_1313	41312	1313	4.9665	-9.1845	0.993	-2.7285	0	33.6315	1

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95
	Max.	1.31	1.58	1.84	1.84	1.05			0.00	
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	
Fatigue I	Max/Min	1.5								

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
1000_1000	1000	1000	5.8305	32.568	-0.3045	1.644	0	19.908	1
1000_1001	1000	1001	110.2845	-84.8985	0.2505	-1.1895	4.2495	906.699	1
1001_1001	1001	1001	8.637	-7.7175	0.3705	-0.405	6.303	77.1255	1
1001_1002	1001	1002	163.4565	-76.3515	0.279	-1.8555	7.7955	1339.227	1
1002_1002	1002	1002	15.0525	-7.8615	-0.4815	-0.3585	9.885	130.623	1
1002_1003	1002	1003	211.9515	-62.514	-0.162	-1.0965	6.0435	1732.682	1
1003_1003	1003	1003	22.6035	-7.8615	-0.4815	-0.396	4.0155	191.5965	1
1003_1004	1003	1004	248.769	-53.856	-0.1695	-1.6485	4.0275	2032.535	1
1004_1004	1004	1004	30.1755	-7.8525	-0.2145	-0.318	-1.857	252.5505	1
1004_1005	1004	1005	278.208	-51.363	-0.0975	-0.8205	2.214	2272.103	1
1005_1005	1005	1005	37.7205	-7.8525	-0.2145	-0.378	-4.4775	313.4775	1
1005_1006	1005	1006	295.9305	-43.6065	-0.0795	-1.425	0.489	2416.499	1
1006_1006	1006	1006	45.2685	-8.151	-0.1185	-0.27	-7.1025	374.3835	1
1006_1007	1006	1007	309.864	-43.0455	-0.0585	-0.441	-1.2855	2529.816	1
1007_1007	1007	1007	53.097	-8.151	-0.1185	-0.354	-8.547	437.604	1
1007_1008	1007	1008	313.866	-35.8125	-0.03	-1.0845	-2.6715	2562.495	1
1008_1008	1008	1008	60.924	-8.481	-0.108	-0.2175	-9.9945	500.808	1
1008_1009	1008	1009	315.8325	-35.892	-0.066	-0.1065	-4.6395	2578.406	1
1009_1009	1009	1009	69.0495	-8.4855	-0.1065	-0.3135	-11.2665	566.5905	1
1009_1010	1009	1010	309.459	-3.8115	-0.0795	-0.3525	-4.857	2526.921	1
1010_1010	1010	1010	77.202	-8.925	-0.1125	-0.0615	-12.573	632.4255	1
1010_1011	1010	1011	304.3785	-3.8415	-0.1365	0.9015	-7.164	2485.88	1
1011_1011	1011	1011	85.7715	-8.925	-0.1125	-0.3465	-13.938	701.637	1
1011_1012	1011	1012	290.85	3.2595	-0.105	-0.318	-8.9055	2376.296	1
1012_1012	1012	1012	94.335	-9.3975	-0.1005	-0.198	-15.3075	770.8035	1
1012_1013	1012	1013	275.4585	3.8895	-0.1695	0.4305	-11.4675	2251.367	1
1013_1013	1013	1013	103.3605	-9.3975	-0.1005	-0.036	-16.527	843.6975	1
1013_1014	1013	1014	252.4035	10.827	-0.129	0.618	-13.194	2064.282	1
1014_1014	1014	1014	112.3845	-9.474	-0.039	-0.1275	-17.7435	916.5855	1
1014_1015	1014	1015	215.0835	15.7005	0.036	0.5805	-12.501	1761.231	1
1015_1015	1015	1015	137.019	-9.0885	-0.0255	0.192	-12.363	1035.509	1
1015_1016	1015	1016	206.295	20.5365	0.033	0.528	-7.938	1614.149	1
1016_1016	1016	1016	140.4075	-8.6955	0.057	0.024	-12.4335	1089.941	1
1016_1017	1016	1017	155.7285	24.1365	0.3135	0.357	-4.0755	1365.417	1
1017_1017	1017	1017	135.3855	-8.385	0.057	0.4755	-11.742	1185.578	1
1017_1018	1017	1018	98.7675	1.881	0.1995	0.3435	-2.1885	1075.668	1
1018_1018	1018	1018	121.335	-8.0325	-0.2115	0.2085	-11.0205	1301.81	1
1018_1019	1018	1019	55.098	6.153	-0.2535	0.2205	-6.627	774.051	1
1019_1019	1019	1019	104.244	-8.2695	-0.213	0.867	-13.5255	1418.801	1
1019_1020	1019	1020	32.157	-2.454	-0.039	0.3135	-6.7095	561.954	1
1020_1020	1020	1020	59.193	35.1585	0.006	0.255	-5.079	763.1295	1
1020_1021	1020	1021	172.578	-42.018	1.146	-0.054	-24.9345	774.6225	1
1021_1021	1021	1021	32.0895	26.4735	0.189	0.195	-8.5545	544.935	1
1021_1022	1021	1022	178.6815	-38.211	0.849	-0.1395	-11.607	833.298	1
1022_1022	1022	1022	5.121	18.2835	0.3795	0.1995	-10.6935	435.0225	1
1022_1023	1022	1023	181.7805	-34.14	0.795	-0.099	-4.353	893.253	1
1023_1023	1023	1023	-19.446	5.3055	0.2955	0.1515	-11.898	379.215	1
1023_1024	1023	1024	184.074	-30.66	0.123	0.0135	-2.61	945.519	1
1024_1024	1024	1024	-19.992	3.225	0.3	0.138	-9.963	357.4005	1
1024_1025	1024	1025	184.8195	-25.848	0.105	-0.0495	-1.143	983.226	1
1025_1025	1025	1025	-20.4705	2.6625	0.312	0.1755	-7.6485	342.762	1
1025_1026	1025	1026	184.5855	-20.5845	0.0765	0.009	-0.069	1007.658	1
1026_1026	1026	1026	-18.2655	1.632	0.2205	0.126	-5.28	331.7085	1
1026_1027	1026	1027	184.482	-19.3755	0.033	-0.018	0.3225	1022.711	1
1027_1027	1027	1027	-19.152	1.632	0.24	0.186	-3.954	325.4685	1
1027_1028	1027	1028	183.4875	-15.186	0.015	0.129	0.5535	1027.608	1
1028_1028	1028	1028	-17.874	1.3425	0.2385	0.1755	-2.556	320.1885	1
1028_1029	1028	1029	180.5295	-32.448	-0.027	-0.093	0.7155	1017.903	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1029_1029	1029	1029	-17.799	1.2525	0.2385	0.1785	-1.149	315.129	1
1029_1030	1029	1030	179.5275	-28.4475	-0.036	-0.1155	0.4935	1002.957	1
1030_1030	1030	1030	-16.641	0.666	0.3105	0.2085	0.237	310.875	1
1030_1031	1030	1031	178.131	-25.9365	-0.093	0.0075	-0.351	977.8005	1
1031_1031	1031	1031	-17.124	0.666	0.312	0.213	2.721	307.485	1
1031_1032	1031	1032	175.647	-21.0825	-0.111	-0.039	-1.5315	938.967	1
1032_1032	1032	1032	-15.207	0.495	0.3045	0.2025	5.043	304.596	1
1032_1033	1032	1033	171.48	-16.65	-0.1275	-0.105	-2.9925	884.643	1
1033_1033	1033	1033	-44.6715	-7.8765	-0.654	-0.255	-7.9605	331.224	1
1033_1034	1033	1034	166.257	-13.272	-0.843	-0.132	-10.1235	820.7505	1
1034_1034	1034	1034	-13.311	-18.2235	-0.4215	-0.2865	-9.0705	399.0705	1
1034_1035	1034	1035	159.774	-9.5295	-0.885	-0.1275	-17.802	747.456	1
1035_1035	1035	1035	12.0195	-26.2035	-0.1935	0.1725	-10.1955	540.933	1
1035_1036	1035	1036	149.835	-5.6835	-1.2825	0.4125	-36.633	661.779	1
1036_1036	1036	1036	133.8495	49.674	-0.4815	1.059	13.806	1548.159	1
1036_1037	1036	1037	23.5035	-55.2165	0.189	-0.4695	-5.169	699.213	1
1037_1037	1037	1037	66.1725	12.72	0.1305	-0.3015	-9.0285	1293.773	1
1037_1038	1037	1038	58.407	-50.43	0.333	-0.3675	-1.518	949.443	1
1038_1038	1038	1038	78.708	12.033	-0.0975	-0.3555	-7.383	1147.805	1
1038_1039	1038	1039	101.913	-45.525	-0.2565	-0.477	-3.813	1175.517	1
1039_1039	1039	1039	88.965	11.154	-0.093	-0.069	-8.6895	1001.643	1
1039_1040	1039	1040	139.578	-40.5255	-0.2775	-0.3555	-6.7515	1339.089	1
1040_1040	1040	1040	89.0835	10.8555	0.054	-0.0885	-9.7815	899.031	1
1040_1041	1040	1041	159.309	-38.976	-0.081	-0.2745	-7.4295	1458.771	1
1041_1041	1041	1041	97.1925	10.629	0.027	-0.0045	-4.4655	771.8445	1
1041_1042	1041	1042	209.082	-30.1215	-0.048	-0.2445	-4.401	1535.148	1
1042_1042	1042	1042	80.418	10.395	0.0075	0.012	-4.032	665.6055	1
1042_1043	1042	1043	227.61	-51.9765	-0.009	-0.3255	-4.7415	1656.344	1
1043_1043	1043	1043	68.367	10.395	0.009	0.0555	-3.9435	589.2735	1
1043_1044	1043	1044	241.563	-44.742	-0.006	-0.291	-4.8195	1739.676	1
1044_1044	1044	1044	56.319	10.275	0.0165	0.054	-3.828	512.9565	1
1044_1045	1044	1045	253.203	-42.4455	0.0015	-0.2235	-4.797	1806.351	1
1045_1045	1045	1045	44.4105	10.275	0.018	0.087	-3.63	437.5155	1
1045_1046	1045	1046	256.2	-35.2155	0.003	-0.1785	-4.7325	1816.812	1
1046_1046	1046	1046	53.61	-10.68	-0.027	-0.0855	-3.708	382.7085	1
1046_1047	1046	1047	254.4585	-9.4065	-0.003	0.081	-4.7865	1813.989	1
1047_1047	1047	1047	65.7225	-10.6965	-0.0255	-0.054	-4.014	461.1975	1
1047_1048	1047	1048	246.5595	-2.0115	-0.0015	0.111	-4.8255	1755.405	1
1048_1048	1048	1048	78.12	-10.815	-0.021	-0.078	-4.323	539.724	1
1048_1049	1048	1049	236.31	0.015	0.0015	0.126	-4.8405	1680.711	1
1049_1049	1049	1049	90.663	-10.815	-0.021	0.012	-4.584	619.173	1
1049_1050	1049	1050	223.2675	-17.472	0.0045	0.099	-4.569	1561.508	1
1050_1050	1050	1050	103.194	-10.9755	-0.0255	-0.027	-4.83	698.562	1
1050_1051	1050	1051	198.267	-14.7585	0.0315	0.0645	-3.825	1381.934	1
1051_1051	1051	1051	114.7575	-10.7865	-0.027	0.1695	-5.9895	836.778	1
1051_1052	1051	1052	168.348	-8.784	0.033	0.288	-4.0155	1317.59	1
1052_1052	1052	1052	120.294	-10.3395	0.0255	0.0315	-6.222	897.639	1
1052_1053	1052	1053	131.5425	-5.5425	0.144	0.159	-2.292	1154.414	1
1053_1053	1053	1053	108.327	-10.575	0.036	0.5565	-8.058	1055.19	1
1053_1054	1053	1054	75.54	-0.4935	0.1575	0.45	-1.3665	995.7795	1
1054_1054	1054	1054	98.913	-10.458	-0.1425	0.318	-7.5225	1185.198	1
1054_1055	1054	1055	41.3265	3.9135	-0.198	0.294	-4.77	737.9625	1
1055_1055	1055	1055	85.971	-10.932	-0.1425	0.8865	-9.231	1316.51	1
1055_1056	1055	1056	27.3165	-3.2925	-0.018	0.246	-2.925	496.8	1
1056_1056	1056	1056	39.4395	31.3095	0.0585	0.4335	-5.2695	705.9795	1
1056_1057	1056	1057	173.2395	-41.0085	0.786	-0.0885	-16.0905	840.573	1
1057_1057	1057	1057	6.84	21.5565	0.2235	0.4065	-8.5185	531.615	1
1057_1058	1057	1058	179.139	-37.215	0.675	-0.1575	-8.2455	926.55	1
1058_1058	1058	1058	-22.575	9.6315	0.4125	0.2955	-11.007	444.096	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1058_1059	1058	1059	183.5325	-33.081	0.6435	-0.2805	-2.4675	997.311	1
1059_1059	1059	1059	-25.836	4.977	0.213	0.2865	-8.8245	410.4285	1
1059_1060	1059	1060	186.903	-29.679	0.0825	-0.1365	-1.2975	1058.411	1
1060_1060	1060	1060	-24.762	3.522	0.2235	0.3555	-7.335	388.2855	1
1060_1061	1060	1061	188.5545	-24.8655	0.063	-0.0375	-0.3735	1102.08	1
1061_1061	1061	1061	-23.9205	2.868	0.234	0.4395	-5.6235	371.367	1
1061_1062	1061	1062	189.024	-19.6515	0.042	0.111	0.276	1130.106	1
1062_1062	1062	1062	-22.7685	2.169	0.171	0.303	-3.825	357.5265	1
1062_1063	1062	1063	189.2985	-18.4935	0.0255	-0.093	0.5475	1146.804	1
1063_1063	1063	1063	-21.8565	1.926	0.183	0.402	-2.844	349.2555	1
1063_1064	1063	1064	187.383	-36.543	-0.0135	-0.18	0.777	1152.332	1
1064_1064	1064	1064	-19.323	-1.494	-0.1815	-0.3915	-1.113	352.6425	1
1064_1065	1064	1065	187.239	-32.454	-0.0195	-0.255	0.6465	1145.528	1
1065_1065	1065	1065	-21.9465	-1.791	-0.168	-0.2865	-2.1465	359.085	1
1065_1066	1065	1066	186.1845	-28.5495	-0.0345	0.0015	0.3945	1127.478	1
1066_1066	1066	1066	-21.0495	-2.049	-0.2235	-0.3915	-3.1545	366.2355	1
1066_1067	1066	1067	184.773	-26.1585	-0.0615	-0.156	-0.255	1098.164	1
1067_1067	1067	1067	-23.175	-2.475	-0.216	-0.3105	-4.8975	379.113	1
1067_1068	1067	1068	182.313	-21.372	-0.078	-0.0255	-1.17	1053.686	1
1068_1068	1068	1068	-27.2325	-3.477	-0.219	-0.3345	-6.5085	395.2545	1
1068_1069	1068	1069	178.2945	-16.9815	-0.0885	-0.1635	-2.25	992.7885	1
1069_1069	1069	1069	-29.0805	-4.839	-0.453	-0.2535	-8.0595	416.928	1
1069_1070	1069	1070	173.3235	-13.9155	-0.6855	0.1605	-8.0685	922.4985	1
1070_1070	1070	1070	-27.9495	-9.4485	-0.429	-0.2955	-10.4175	451.2765	1
1070_1071	1070	1071	167.0595	-10.1775	-0.708	0.0285	-14.2485	841.494	1
1071_1071	1071	1071	1.4265	-21.75	-0.2565	-0.348	-9.2925	547.677	1
1071_1072	1071	1072	158.7315	-6.231	-0.8385	-0.081	-25.3905	734.391	1
1072_1072	1072	1072	67.134	11.454	0.141	-0.9225	-10.3515	1488.209	1
1072_1073	1072	1073	29.3745	-55.701	0.1995	-0.612	-4.8375	744.7575	1
1073_1073	1073	1073	81.7485	10.6605	0.141	-0.369	-8.766	1345.859	1
1073_1074	1073	1074	65.2875	-50.751	0.3045	-0.492	-1.359	1012.077	1
1074_1074	1074	1074	95.226	10.5075	-0.054	-0.567	-6.9795	1215.321	1
1074_1075	1074	1075	110.1705	-45.8685	-0.201	-0.747	-3.1095	1258.779	1
1075_1075	1075	1075	117.6795	9.9315	-0.0375	-0.03	-5.6625	1023.645	1
1075_1076	1075	1076	165.9735	-40.641	-0.165	-0.2925	-4.071	1362.905	1
1076_1076	1076	1076	119.271	10.041	0.015	-0.162	-6.126	930.456	1
1076_1077	1076	1077	189.474	-39.093	-0.042	-0.354	-4.5015	1493.355	1
1077_1077	1077	1077	105.6645	10.2645	0.024	0.0645	-8.433	886.0515	1
1077_1078	1077	1078	201.585	-57.0735	-0.0555	-0.726	-7.737	1742.534	1
1078_1078	1078	1078	92.76	10.182	0.0285	-0.0255	-8.076	789.2505	1
1078_1079	1078	1079	221.9595	-54.0315	0.0255	-0.765	-7.5735	1894.712	1
1079_1079	1079	1079	83.043	10.182	0.03	0.096	-7.7565	716.373	1
1079_1080	1079	1080	235.896	-47.3955	0.039	-0.621	-7.1745	1996.946	1
1080_1080	1080	1080	74.1945	10.068	0.042	0.0705	-7.4715	643.4535	1
1080_1081	1080	1081	247.98	-45.7365	0.0135	-0.573	-7.074	2084.004	1
1081_1081	1081	1081	64.5795	10.068	0.0435	0.1635	-7.0005	571.338	1
1081_1082	1081	1082	253.1175	-39.1245	0.024	-0.414	-6.819	2118.053	1
1082_1082	1082	1082	54.9675	9.9885	0.0435	0.1125	-6.5115	499.236	1
1082_1083	1082	1083	255.21	-12.768	-0.0045	-0.138	-6.924	2138.306	1
1083_1083	1083	1083	44.7165	9.9885	0.0465	0.2415	-5.9925	422.349	1
1083_1084	1083	1084	251.8665	-5.5605	0.009	0.315	-6.777	2108.372	1
1084_1084	1084	1084	60.2115	-9.216	-0.051	-0.1875	-6.276	489.315	1
1084_1085	1084	1085	246.963	-4.449	-0.027	0.0855	-7.1085	2066.409	1
1085_1085	1085	1085	69.009	-9.216	-0.0495	-0.006	-6.8505	555.3135	1
1085_1086	1085	1086	235.0995	2.247	-0.0135	0.573	-7.2315	1971.537	1
1086_1086	1086	1086	77.52	-9.3645	-0.0405	-0.144	-7.38	621.357	1
1086_1087	1086	1087	221.763	3.57	-0.0225	0.2805	-7.4895	1864.95	1
1087_1087	1087	1087	86.46	-9.3645	-0.039	0.081	-7.836	688.4205	1
1087_1088	1087	1088	202.0275	10.185	-0.0075	0.699	-7.467	1709.399	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1088_1088	1088	1088	95.4015	-9.456	-0.0525	0.039	-8.2755	755.4975	1
1088_1089	1088	1089	179.2335	-12.138	0.015	0.3225	-6.6285	1499.747	1
1089_1089	1089	1089	105.081	-9.2685	-0.0465	0.117	-7.965	880.281	1
1089_1090	1089	1090	155.589	-7.7775	0.0135	0.2175	-5.6325	1429.224	1
1090_1090	1090	1090	109.0485	-8.7855	0.039	0.0915	-8.3535	935.538	1
1090_1091	1090	1091	118.9665	-4.662	0.186	0.3345	-3.306	1232.156	1
1091_1091	1091	1091	105.0015	-8.817	0.0525	0.4815	-9.852	1034.3	1
1091_1092	1091	1092	72.252	0.4425	0.1875	0.3615	-1.947	991.917	1
1092_1092	1092	1092	94.9215	-8.667	-0.1905	0.216	-9.195	1147.572	1
1092_1093	1092	1093	37.71	4.5375	-0.264	0.225	-6.2355	717.9525	1
1093_1093	1093	1093	81.9435	-9.012	-0.1875	0.9465	-11.5245	1261.874	1
1093_1094	1093	1094	36.666	-8.172	-0.0285	-0.1575	-0.1695	427.5225	1
1094_1094	1094	1094	38.163	30.9345	0.0645	0.369	-6.0165	701.1165	1
1094_1095	1094	1095	172.623	-41.082	0.8895	-0.138	-18.1245	842.577	1
1095_1095	1095	1095	4.7835	21.3705	0.303	0.336	-12.1095	539.01	1
1095_1096	1095	1096	173.4555	-37.3425	0.96	-0.315	-11.5365	950.109	1
1096_1096	1096	1096	-21.2055	10.0515	0.591	0.459	-15.54	446.8215	1
1096_1097	1096	1097	177.18	-33.093	0.885	0.0165	-3.567	1023.186	1
1097_1097	1097	1097	-23.664	5.0895	0.3465	0.3285	-12.594	409.914	1
1097_1098	1097	1098	179.934	-29.697	0.1125	-0.051	-1.9455	1086.426	1
1098_1098	1098	1098	-22.7415	3.663	0.366	0.408	-10.1445	386.961	1
1098_1099	1098	1099	181.0035	-24.756	0.0825	0.0975	-0.702	1130.982	1
1099_1099	1099	1099	-20.2425	2.643	0.3645	0.39	-7.3905	370.446	1
1099_1100	1099	1100	180.8955	-19.4175	0.063	-0.024	0.219	1158.534	1
1100_1100	1100	1100	-24.843	-1.416	-0.2175	-0.0045	1.0665	359.9685	1
1100_1101	1100	1101	180.924	-18.8565	-0.0165	1.413	0.252	1176.267	1
1101_1101	1101	1101	-25.6995	-1.527	-0.2175	-0.012	-0.1725	366.0975	1
1101_1102	1101	1102	178.2765	-36.882	-0.0675	1.125	0.0975	1184.841	1
1102_1102	1102	1102	-26.0955	-1.6245	-0.3735	-0.888	-1.428	372.366	1
1102_1103	1102	1103	178.2435	-32.748	0.0165	-1.581	0.111	1180.299	1
1103_1103	1103	1103	-26.766	-1.749	-0.354	-0.765	-3.6225	379.554	1
1103_1104	1103	1104	177.282	-28.7985	-0.006	-1.155	-0.0675	1163.486	1
1104_1104	1104	1104	-29.2155	-2.532	-0.36	-0.4425	-5.6625	387.42	1
1104_1105	1104	1105	176.277	-26.8605	-0.078	-0.213	-1.035	1137.908	1
1105_1105	1105	1105	-29.892	-2.8335	-0.345	-0.3435	-8.505	402.0705	1
1105_1106	1105	1106	174.081	-21.906	-0.1065	-0.0495	-2.4255	1094.678	1
1106_1106	1106	1106	-32.3415	-3.603	-0.3495	-0.357	-11.1615	419.466	1
1106_1107	1106	1107	170.22	-17.358	-0.1245	-0.1725	-4.101	1032.677	1
1107_1107	1107	1107	-34.8315	-5.1645	-0.615	-0.294	-13.6035	441.5475	1
1107_1108	1107	1108	165.402	-14.223	-0.9495	0.12	-12.333	960.0105	1
1108_1108	1108	1108	-33.663	-8.304	-0.6	-0.318	-17.1975	473.571	1
1108_1109	1108	1109	159.0705	-10.335	-0.9825	-0.0105	-21.0975	874.53	1
1109_1109	1109	1109	-2.9505	-20.841	-0.288	-0.2895	-11.895	545.5995	1
1109_1110	1109	1110	154.452	-6.2025	-0.924	-0.051	-29.2815	743.8485	1
1110_1110	1110	1110	64.2315	12.5385	0.204	-1.08	-14.9865	1518.891	1
1110_1111	1110	1111	27.504	-54.792	0.276	-0.6795	-7.2135	763.6995	1
1111_1111	1111	1111	77.766	11.7525	0.2085	-0.24	-12.522	1366.301	1
1111_1112	1111	1112	61.7325	-49.6335	0.402	-0.3795	-2.8725	1023.291	1
1112_1112	1112	1112	90.9765	11.496	-0.033	-0.5535	-9.987	1226.606	1
1112_1113	1112	1113	104.0115	-44.6535	-0.204	-0.699	-4.809	1258.731	1
1113_1113	1113	1113	102.7845	10.9905	-0.024	0.0015	-8.2905	1076.042	1
1113_1114	1113	1114	141.6855	-39.3375	-0.1755	-0.459	-5.802	1416.438	1
1114_1114	1114	1114	103.1475	11.1495	0.0465	-0.3675	-8.5575	972.3795	1
1114_1115	1114	1115	160.3005	-37.815	-0.0315	-0.7815	-6.168	1538.016	1
1115_1115	1115	1115	109.92	11.1345	0.0435	0.0735	-6.8085	817.428	1
1115_1116	1115	1116	203.061	-29.448	-0.021	-0.2055	-5.6025	1550.157	1
1116_1116	1116	1116	95.382	10.9455	0.0375	0.0015	-6.2265	718.035	1
1116_1117	1116	1117	216.7755	-51.873	0.036	-0.468	-5.5065	1662.386	1
1117_1117	1117	1117	84.0345	10.9455	0.039	0.0765	-5.8065	643.53	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1117_1118	1117	1118	227.9055	-45.0195	0.0465	-0.396	-4.98	1737.971	1
1118_1118	1118	1118	72.687	10.8285	0.0435	0.033	-5.3685	569.028	1
1118_1119	1118	1119	237.6105	-43.563	0.03	-0.4515	-4.6335	1802.81	1
1119_1119	1119	1119	61.452	10.8285	0.0465	0.147	-4.8735	495.2535	1
1119_1120	1119	1120	240.621	-12.804	0.039	0.0765	-4.2405	1821.263	1
1120_1120	1120	1120	50.226	10.758	0.045	0.111	-4.344	421.548	1
1120_1121	1120	1121	241.872	-11.2695	0.0225	0.0525	-3.936	1830.737	1
1121_1121	1121	1121	38.232	10.758	0.0465	0.147	-3.804	342.7965	1
1121_1122	1121	1122	234.501	-3.813	0.0285	0.1125	-3.5115	1782.273	1
1122_1122	1122	1122	30.2205	-6.4305	-0.015	-0.072	-2.7555	286.7235	1
1122_1123	1122	1123	225.9645	-2.76	0.0075	0.201	-3.408	1725.051	1
1123_1123	1123	1123	36.894	-6.4305	-0.0135	-0.033	-2.9235	330.531	1
1123_1124	1123	1124	209.9985	4.1535	0.0135	0.27	-3.2115	1618.043	1
1124_1124	1124	1124	43.56	-6.558	-0.0105	-0.0675	-3.0735	374.301	1
1124_1125	1124	1125	192.78	5.427	-0.006	0.231	-3.294	1501.605	1
1125_1125	1125	1125	50.364	-6.558	-0.0075	0.03	-3.1935	418.974	1
1125_1126	1125	1126	172.0125	-12.9045	0.012	0.186	-3.075	1341.944	1
1126_1126	1126	1126	57.162	-6.72	-0.0015	-0.018	-3.2805	463.6065	1
1126_1127	1126	1127	146.6415	-9.882	0.0705	0.123	-2.0325	1157.994	1
1127_1127	1127	1127	67.9815	-6.693	0	0.069	-2.9265	527.616	1
1127_1128	1127	1128	130.4475	-5.886	0.0645	0.144	-1.29	1051.287	1
1128_1128	1128	1128	71.43	-6.7605	0.0315	0.003	-2.9265	564.7635	1
1128_1129	1128	1129	94.9815	-3.5415	0.147	0.0765	0.3435	885.3075	1
1129_1129	1129	1129	62.5335	-7.3005	0.0435	0.3435	-3.1125	672.975	1
1129_1130	1129	1130	45.114	1.074	0.1515	0.3015	1.875	726.066	1
1130_1130	1130	1130	130.8315	-36.9525	0.2145	-0.6855	-2.415	927.312	1
1130_1131	1130	1131	16.719	4.788	-0.273	0.1725	-2.631	486.972	1
1131_1131	1131	1131	144.1305	-43.6125	0.282	-0.6975	0.672	1319.181	1
1131_1132	1131	1132	48.759	-8.2845	-0.0405	-0.027	-2.7915	549.111	1
1132_1132	1132	1132	46.95	37.1085	-0.1065	0.6825	1.863	649.5135	1
1132_1133	1132	1133	158.526	-43.593	0.603	0.7065	-11.091	668.9295	1
1133_1133	1133	1133	20.934	28.7865	0.003	0.405	-1.083	419.523	1
1133_1134	1133	1134	168.3735	-39.1815	0.552	0.297	-5.334	750.597	1
1134_1134	1134	1134	-9.108	4.032	-0.3405	-0.777	4.1475	399.4605	1
1134_1135	1134	1135	174.738	-34.68	0.6495	-1.05	0.129	831.417	1
1135_1135	1135	1135	-11.97	3.0345	-0.099	-0.204	1.512	379.6725	1
1135_1136	1135	1136	180.837	-32.109	-0.0015	0.0345	0.3165	907.9065	1
1136_1136	1136	1136	-16.2375	2.9565	-0.111	-0.2625	0.7965	364.2495	1
1136_1137	1136	1137	184.3395	-26.82	0.003	-0.168	0.4635	964.023	1
1137_1137	1137	1137	-19.911	2.8905	-0.1005	-0.213	-0.048	349.233	1
1137_1138	1137	1138	180.0435	-41.2365	-0.0255	-0.222	0.4305	1006.557	1
1138_1138	1138	1138	-22.0155	2.466	-0.096	-0.1755	-0.858	334.5315	1
1138_1139	1138	1139	183.588	-40.218	-0.0105	-0.156	0.33	1036.121	1
1139_1139	1139	1139	-24.471	2.394	-0.0825	-0.1095	-1.416	325.137	1
1139_1140	1139	1140	184.9455	-35.577	-0.0195	0.0075	0.1545	1047.555	1
1140_1140	1140	1140	-27.1845	2.301	-0.0825	-0.111	-1.881	316.326	1
1140_1141	1140	1141	184.0725	-31.0395	-0.0195	-0.036	-0.036	1040.672	1
1141_1141	1141	1141	-30.3	2.145	-0.0975	-0.1755	-2.3385	307.7205	1
1141_1142	1141	1142	181.8795	-26.733	-0.0135	-0.2685	-0.1905	1021.137	1
1142_1142	1142	1142	-32.7915	1.758	-0.108	-0.09	-2.8995	299.8485	1
1142_1143	1142	1143	178.641	-24.2955	-0.0225	0.087	-0.498	988.5225	1
1143_1143	1143	1143	-37.806	1.266	-0.111	-0.0945	-3.699	292.131	1
1143_1144	1143	1144	173.574	-18.999	-0.027	0.0285	-0.909	937.491	1
1144_1144	1144	1144	5.5785	-3.54	0.0945	0.132	2.223	289.5525	1
1144_1145	1144	1145	166.164	-14.145	-0.024	-0.156	-1.3455	866.817	1
1145_1145	1145	1145	10.164	-3.9975	0.2205	0.2025	2.8815	307.8435	1
1145_1146	1145	1146	157.734	-10.926	-0.4935	0.15	-5.475	786.3945	1
1146_1146	1146	1146	-17.4525	-17.355	-0.123	-0.1755	-3.93	340.764	1
1146_1147	1146	1147	147.3195	-6.7845	-0.504	0.0825	-9.7815	693	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1147_1147	1147	1147	3.8295	-24.57	-0.0435	-0.2925	-3.1215	470.517	1
1147_1148	1147	1148	131.8755	-2.412	-0.543	-0.054	-16.017	577.3125	1
1148_1148	1148	1148	155.088	45.8625	-0.336	0.894	7.0245	1433.916	1
1148_1149	1148	1149	9.0225	-52.7235	0.141	-0.345	-2.8335	609.7545	1
1149_1149	1149	1149	49.7565	14.3175	0.087	-0.1545	-5.2365	1123.35	1
1149_1150	1149	1150	37.878	-47.433	0.2265	-0.288	-0.0795	830.478	1
1150_1150	1150	1150	58.3785	13.0365	-0.015	-0.2715	-4.14	971.4615	1
1150_1151	1150	1151	73.758	-42.645	-0.1395	-0.423	-0.9705	1026.68	1
1151_1151	1151	1151	74.796	11.6565	-0.009	-0.018	-3.57	770.1705	1
1151_1152	1151	1152	119.4675	-37.4685	-0.126	-0.2025	-1.9605	1083.629	1
1152_1152	1152	1152	71.835	11.067	0.015	-0.0255	-3.6675	671.397	1
1152_1153	1152	1153	136.5705	-36.3915	-0.0525	-0.1335	-2.3175	1178.775	1
1153_1153	1153	1153	70.7895	10.827	0.0135	0.015	-3.012	585.2985	1
1153_1154	1153	1154	164.493	-28.491	-0.051	-0.1305	-2.631	1254.3	1
1154_1154	1154	1154	55.7985	10.5435	0.018	0.0165	-2.826	496.725	1
1154_1155	1154	1155	177.3255	-26.3535	0.006	-0.075	-2.622	1343.948	1
1155_1155	1155	1155	44.0625	10.5435	0.021	0.0435	-2.631	427.656	1
1155_1156	1155	1156	184.998	-19.323	0.009	-0.0525	-2.5245	1398.581	1
1156_1156	1156	1156	32.328	10.395	0.0195	0.036	-2.4075	358.5945	1
1156_1157	1156	1157	190.5555	-17.9535	0.0045	-0.0195	-2.52	1437.179	1
1157_1157	1157	1157	21.7875	10.395	0.0225	0.057	-2.208	296.568	1
1157_1158	1157	1158	190.416	-11.3565	0.0075	0.0225	-2.451	1439.231	1
1158_1158	1158	1158	11.505	10.3275	0.015	0.0495	-1.9875	234.6225	1
1158_1159	1158	1159	189.303	-9.921	-0.003	0.045	-2.5305	1433.069	1
1159_1159	1159	1159	21.6615	-9.1305	-0.0165	-0.0315	-2.1555	268.0365	1
1159_1160	1159	1160	185.013	-26.028	-0.003	-0.0345	-2.5815	1391.384	1
1160_1160	1160	1160	30.9105	-9.294	-0.0195	-0.027	-2.3175	322.467	1
1160_1161	1160	1161	177.135	-23.994	-0.012	0.03	-2.706	1333.524	1
1161_1161	1161	1161	41.1915	-9.2955	-0.0195	-0.027	-2.5245	383.355	1
1161_1162	1161	1162	163.998	-17.4855	-0.0105	-0.021	-2.7915	1240.689	1
1162_1162	1162	1162	51.5355	-9.531	-0.0045	-0.0045	-2.7345	444.249	1
1162_1163	1162	1163	145.8105	-13.749	0.0555	0.075	-1.962	1109.364	1
1163_1163	1163	1163	60.9945	-9.6975	-0.006	0.0105	-3.0585	541.2015	1
1163_1164	1163	1164	120.7365	-9.624	0.0525	0.048	-1.743	1051.362	1
1164_1164	1164	1164	66.774	-10.1295	0.015	0.0375	-3.1065	593.2605	1
1164_1165	1164	1165	89.7645	-6.9255	0.108	0.129	-0.639	913.767	1
1165_1165	1165	1165	63.09	-11.073	0.018	0.1605	-3.225	712.482	1
1165_1166	1165	1166	44.703	-2.0685	0.0915	0.1215	0.0375	765.09	1
1166_1166	1166	1166	58.548	-12.0735	-0.063	0.114	-2.997	832.6575	1
1166_1167	1166	1167	15.705	2.0625	-0.12	0.1245	-2.295	548.1	1
1167_1167	1167	1167	152.622	-36.327	0.2235	-0.531	1.83	1039.484	1
1167_1168	1167	1168	63.3735	-5.496	-0.018	-0.045	-0.48	452.6235	1
1168_1168	1168	1168	50.2425	36.7995	-0.0795	0.3195	0.897	650.313	1
1168_1169	1168	1169	150.963	-44.1495	0.462	-0.057	-8.7525	670.9005	1
1169_1169	1169	1169	19.167	27.948	0.0015	0.231	-1.344	434.7705	1
1169_1170	1169	1170	163.029	-39.9645	0.366	-0.1635	-3.9525	754.2645	1
1170_1170	1170	1170	-6.486	20.643	0.0585	0.177	-2.211	321.3705	1
1170_1171	1170	1171	171.8325	-35.5065	0.354	-0.222	-0.903	832.6485	1
1171_1171	1171	1171	12.21	3.3075	-0.078	-0.1245	1.7805	303.3645	1
1171_1172	1171	1172	179.4195	-31.815	0.03	0.06	-0.4695	901.0155	1
1172_1172	1172	1172	7.6155	3.21	-0.0855	-0.171	1.2105	287.1915	1
1172_1173	1172	1173	184.5465	-26.6055	0.0315	-0.1305	-0.0765	951.036	1
1173_1173	1173	1173	5.151	3.2085	-0.081	-0.132	0.534	271.293	1
1173_1174	1173	1174	187.785	-20.9475	0.0195	-0.0555	0.1815	983.895	1
1174_1174	1174	1174	-1.038	2.532	-0.0585	-0.0825	-0.057	255.474	1
1174_1175	1174	1175	189.903	-19.767	0	0.1695	0.2025	1003.635	1
1175_1175	1175	1175	-2.5065	2.5305	-0.0645	-0.1275	-0.4095	246.048	1
1175_1176	1175	1176	190.641	-15.2895	0.006	-0.066	0.2505	1011.417	1
1176_1176	1176	1176	-19.422	-1.68	0.057	0.114	-0.8025	244.968	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1176_1177	1176	1177	189.042	-10.716	0	0.0795	0.2565	1001.6	1
1177_1177	1177	1177	-18.2745	-1.6935	0.057	0.114	-0.4605	251.223	1
1177_1178	1177	1178	190.935	-26.829	-0.006	-0.1065	0.1575	980.5725	1
1178_1178	1178	1178	-17.3145	-2.133	0.0765	0.135	-0.1155	257.538	1
1178_1179	1178	1179	188.757	-24.2565	-0.0285	-0.0465	-0.12	946.8945	1
1179_1179	1179	1179	-12.1035	-2.325	0.081	0.1665	0.426	268.947	1
1179_1180	1179	1180	184.665	-19.062	-0.0375	0.024	-0.5325	896.1435	1
1180_1180	1180	1180	-10.3365	-2.325	0.081	0.1665	1.074	280.4835	1
1180_1181	1180	1181	178.1625	-14.298	-0.042	-0.033	-1.02	827.2695	1
1181_1181	1181	1181	-8.388	-2.748	0.1725	0.2025	1.7145	292.0515	1
1181_1182	1181	1182	170.451	-10.9485	-0.36	0.177	-4.0215	748.8675	1
1182_1182	1182	1182	0.654	-20.673	-0.0555	-0.165	-2.166	314.9805	1
1182_1183	1182	1183	160.8015	-6.933	-0.3675	0.117	-7.131	659.2845	1
1183_1183	1183	1183	22.1295	-28.869	0.006	-0.297	-1.299	446.964	1
1183_1184	1183	1184	148.1955	-2.6985	-0.4245	-0.066	-12.6105	541.9605	1
1184_1184	1184	1184	147.105	51.0135	-0.258	0.813	4.656	1482.236	1
1184_1185	1184	1185	15.684	-55.3665	0.1035	-0.2205	-2.0625	507.258	1
1185_1185	1185	1185	135.465	42.855	-0.2055	0.474	1.2195	1037.115	1
1185_1186	1185	1186	48.5295	-50.2635	0.1665	-0.288	0.0825	739.2645	1
1186_1186	1186	1186	65.511	9.1785	-0.018	-0.1605	-2.889	777.2115	1
1186_1187	1186	1187	90.255	-45.18	-0.1185	-0.2685	-0.6495	952.0935	1
1187_1187	1187	1187	76.2945	8.574	-0.015	-0.0405	-2.7915	646.467	1
1187_1188	1187	1188	134.7855	-39.864	-0.1215	-0.2205	-1.6665	1066.595	1
1188_1188	1188	1188	74.9535	8.358	0.006	-0.0105	-2.985	572.0715	1
1188_1189	1188	1189	155.736	-38.244	-0.0645	-0.1125	-2.106	1178.307	1
1189_1189	1189	1189	71.421	8.403	0.0045	-0.003	-2.733	534.9915	1
1189_1190	1189	1190	181.806	-30.4965	-0.072	-0.2025	-2.8875	1359.156	1
1190_1190	1190	1190	60.3465	8.1825	0.0135	0.045	-2.6925	463.362	1
1190_1191	1190	1191	198.1395	-51.0975	-0.015	-0.1845	-3.0555	1487.363	1
1191_1191	1191	1191	51.4695	8.1825	0.0135	0.0165	-2.538	407.5395	1
1191_1192	1191	1192	210.234	-43.965	-0.021	-0.3555	-3.2655	1565.813	1
1192_1192	1192	1192	42.591	8.0325	0.0135	0.0405	-2.397	351.7215	1
1192_1193	1192	1193	219.378	-41.9205	-0.009	-0.201	-3.342	1623.474	1
1193_1193	1193	1193	34.581	8.0325	0.015	0.063	-2.2545	301.35	1
1193_1194	1193	1194	221.8995	-35.394	-0.006	-0.1575	-3.39	1637.468	1
1194_1194	1194	1194	40.674	-10.941	-0.03	-0.0705	-2.814	328.8975	1
1194_1195	1194	1195	222.8655	-33.6225	-0.024	-0.048	-3.6285	1639.763	1
1195_1195	1195	1195	51.585	-10.941	-0.03	-0.0705	-3.117	397.5045	1
1195_1196	1195	1196	217.989	-27.336	-0.024	-0.117	-3.855	1602.956	1
1196_1196	1196	1196	61.8255	-11.193	-0.027	-0.021	-3.3945	466.1595	1
1196_1197	1196	1197	210.249	-24.8445	-0.0075	0.111	-3.9	1545.221	1
1197_1197	1197	1197	73.9695	-11.193	-0.0285	-0.06	-3.696	542.5245	1
1197_1198	1197	1198	197.2365	-18.489	-0.012	-0.063	-3.96	1451.069	1
1198_1198	1198	1198	85.797	-11.5815	-0.0075	-0.0015	-3.993	618.8355	1
1198_1199	1198	1199	178.509	-14.5785	0.063	0.117	-2.9715	1313.96	1
1199_1199	1199	1199	98.64	-11.4585	-0.009	0.027	-4.4265	703.3845	1
1199_1200	1199	1200	155.0265	-10.2705	0.0585	0.0975	-2.706	1192.404	1
1200_1200	1200	1200	105.309	-11.397	0.0105	0.0855	-4.5	764.667	1
1200_1201	1200	1201	120.4425	-6.864	0.09	0.2145	-1.731	1051.13	1
1201_1201	1201	1201	96.636	-11.8365	0.015	0.324	-6.654	925.3455	1
1201_1202	1201	1202	66.3705	-1.95	0.105	0.2535	-1.6665	923.13	1
1202_1202	1202	1202	90.0735	-12.2295	-0.1155	0.372	-6.447	1060.029	1
1202_1203	1202	1203	33.4185	2.382	-0.1635	0.3225	-4.5375	689.6745	1
1203_1203	1203	1203	79.5405	-12.8835	-0.1155	0.63	-7.8885	1200.597	1
1203_1204	1203	1204	31.236	-3.1995	-0.0105	0.2085	-3.6825	469.3575	1
1204_1204	1204	1204	48.1485	34.5855	0	0.4815	-2.478	710.7885	1
1204_1205	1204	1205	162.2385	-41.961	0.681	0.021	-14.748	766.296	1
1205_1205	1205	1205	17.895	26.6895	0.1095	0.261	-5.0835	511.2165	1
1205_1206	1205	1206	171.2085	-38.115	0.6045	-0.2595	-7.8975	856.965	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1206_1206	1206	1206	-9.693	18.2205	0.237	0.177	-6.591	400.8195	1
1206_1207	1206	1207	177.294	-33.984	0.579	-0.33	-2.7135	924.7365	1
1207_1207	1207	1207	-31.4625	6.468	0.192	0.1875	-6.8415	336.495	1
1207_1208	1207	1208	182.5095	-30.4845	0.108	-0.0555	-1.371	983.7945	1
1208_1208	1208	1208	-31.0815	3.648	0.2115	0.2055	-5.6145	311.4555	1
1208_1209	1208	1209	185.7435	-25.6305	0.0885	0.0045	-0.2805	1026.314	1
1209_1209	1209	1209	-28.6995	2.4525	0.21	0.1905	-4.0155	296.4105	1
1209_1210	1209	1210	187.704	-20.3595	0.075	-0.075	0.5805	1054.316	1
1210_1210	1210	1210	-23.9235	1.1325	0.1365	0.1845	-2.436	286.524	1
1210_1211	1210	1211	189.048	-19.014	0.018	0.039	0.7545	1071.101	1
1211_1211	1211	1211	-23.6055	1.0275	0.15	0.237	-1.629	282.174	1
1211_1212	1211	1212	189.3105	-14.829	0.0045	0.195	0.825	1076.91	1
1212_1212	1212	1212	-21.3465	0.7365	0.1485	0.2295	-0.765	279.054	1
1212_1213	1212	1213	191.385	-32.367	-0.0195	-0.081	0.5955	1070.583	1
1213_1213	1213	1213	-18.2355	0.441	0.135	0.1695	0.072	276.3555	1
1213_1214	1213	1214	190.9395	-28.3875	-0.015	-0.3195	0.426	1054.421	1
1214_1214	1214	1214	-15.3105	-1.545	-0.2055	-0.1515	-3.114	280.644	1
1214_1215	1214	1215	189.9495	-25.653	-0.099	0.0915	-0.5355	1025.843	1
1215_1215	1215	1215	-18.9345	-2.5005	-0.219	-0.207	-4.6815	290.388	1
1215_1216	1215	1216	187.68	-20.8005	-0.1035	-0.135	-1.6725	983.0115	1
1216_1216	1216	1216	-19.764	-3.354	-0.2085	-0.1725	-6.345	304.974	1
1216_1217	1216	1217	183.4755	-16.3455	-0.123	-0.0705	-3.0645	923.631	1
1217_1217	1217	1217	-20.937	-6.777	-0.372	-0.1125	-7.44	330.8445	1
1217_1218	1217	1218	178.2855	-13.092	-0.585	0.2085	-8.121	855.1335	1
1218_1218	1218	1218	-1.7385	-18.1035	-0.2415	-0.2145	-6.96	395.814	1
1218_1219	1218	1219	171.405	-9.321	-0.603	0.123	-13.4475	776.2905	1
1219_1219	1219	1219	21.345	-26.625	-0.117	-0.354	-5.5605	514.827	1
1219_1220	1219	1220	162.0375	-5.3085	-0.639	-0.0525	-20.727	653.991	1
1220_1220	1220	1220	134.1405	51.9015	-0.3675	0.867	9.6825	1426.529	1
1220_1221	1220	1221	31.5045	-56.4075	0.1695	-0.7545	-3.864	651.195	1
1221_1221	1221	1221	82.809	9.5025	0.162	-0.066	-7.182	1139.565	1
1221_1222	1221	1222	67.6875	-51.753	0.2775	-0.3405	-0.6675	899.2695	1
1222_1222	1222	1222	95.202	9.9015	-0.0375	-0.5805	-5.2155	1024.931	1
1222_1223	1222	1223	112.3755	-46.473	-0.156	-0.816	-1.758	1125.156	1
1223_1223	1223	1223	113.814	9.5805	-0.021	0.072	-3.792	850.2405	1
1223_1224	1223	1224	166.3425	-41.379	-0.1065	-0.1935	-2.2155	1214.429	1
1224_1224	1224	1224	113.439	10.3425	0.0165	-0.207	-4.038	764.532	1
1224_1225	1224	1225	188.508	-38.514	-0.0585	-0.4935	-2.646	1328.13	1
1225_1225	1225	1225	101.6295	10.656	0.021	0.1335	-4.26	753.228	1
1225_1226	1225	1226	200.0295	-56.4675	-0.066	-0.579	-4.1655	1622.024	1
1226_1226	1226	1226	85.9725	10.71	0.021	-0.1125	-3.939	642.12	1
1226_1227	1226	1227	217.7925	-50.067	0	-1.0245	-4.209	1755.174	1
1227_1227	1227	1227	73.9095	10.71	0.024	0.2475	-3.672	558.2085	1
1227_1228	1227	1228	227.2395	-42.5925	0.0165	-0.1275	-3.993	1827.419	1
1228_1228	1228	1228	61.9545	10.7085	0.0195	0.042	-3.372	474.2685	1
1228_1229	1228	1229	232.2	-38.634	-0.0135	-0.63	-4.143	1865.43	1
1229_1229	1229	1229	43.326	-12.4215	-0.021	-0.1335	-3.2355	409.1205	1
1229_1230	1229	1230	229.368	-6.996	0	0.3015	-4.137	1842.648	1
1230_1230	1230	1230	56.694	-12.555	0.0075	-0.288	-3.4815	506.3235	1
1230_1231	1230	1231	221.1135	-2.853	0.0375	-0.0225	-3.7065	1788.624	1
1231_1231	1231	1231	70.827	-12.555	0.0135	-0.027	-3.381	604.6275	1
1231_1232	1231	1232	207.135	-20.5905	0.0525	0.2115	-2.838	1681.016	1
1232_1232	1232	1232	84.921	-12.75	0.0255	-0.3255	-3.216	702.672	1
1232_1233	1232	1233	194.5605	-18.048	0.1035	-0.2595	-1.71	1584.302	1
1233_1233	1233	1233	96.4245	-12.75	0.0315	0.006	-2.961	782.6805	1
1233_1234	1233	1234	176.2095	-12.4635	0.108	0.2115	-0.3975	1442.234	1
1234_1234	1234	1234	108.447	-12.684	0.063	0.4065	-4.251	882.306	1
1234_1235	1234	1235	167.382	-10.9485	0.195	0.7365	-0.0645	1409.408	1
1235_1235	1235	1235	111.7635	-12.348	-0.1155	-0.0585	-4.062	908.388	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1235_1236	1235	1236	146.217	-8.835	-0.234	0.0615	-1.896	1320.453	1
1236_1236	1236	1236	113.337	-12.453	-0.1095	0.1305	-4.875	975.231	1
1236_1237	1236	1237	119.4015	-4.971	-0.2085	0.2175	-4.0875	1177.701	1
1237_1237	1237	1237	95.469	-13.023	-0.1575	1.104	-9.0195	1175.384	1
1237_1238	1237	1238	82.6005	-3.966	-0.291	1.11	-7.6395	1223.051	1
1238_1238	1238	1238	93.39	-14.88	0.7605	0.1425	-9.834	1228.508	1
1238_1239	1238	1239	55.617	-4.4115	1.2015	0.0105	5.3985	1058.034	1
1239_1239	1239	1239	86.607	-15.45	0.771	0.8835	-1.485	1369.713	1
1239_1240	1239	1240	31.476	-0.4815	1.191	0.0045	18.5655	855.2025	1
1240_1240	1240	1240	78.9465	-22.338	-1.5195	3.198	7.311	1524.146	1
1240_1241	1240	1241	17.01	-5.8725	-2.0325	3.7725	-5.976	672.8235	1
1241_1241	1241	1241	19.716	28.9935	-0.1845	-0.294	-7.866	849.0105	1
1241_1242	1241	1242	181.497	-32.6565	-0.8655	-3.321	-22.812	1028.153	1
1242_1242	1242	1242	-6.1875	24.4785	-0.276	-0.624	-12.99	665.7795	1
1242_1243	1242	1243	182.6745	-31.1655	-0.8205	-2.973	-23.8545	1041.572	1
1243_1243	1243	1243	-16.785	21.1815	0.4875	0.426	-16.0575	616.242	1
1243_1244	1243	1244	186.2925	-32.4765	1.125	-0.3915	-12.3705	1113.653	1
1244_1244	1244	1244	-38.5665	11.1285	0.813	0.6315	-16.2615	516.7305	1
1244_1245	1244	1245	188.976	-27.4125	1.0425	0.081	-0.183	1172.342	1
1245_1245	1245	1245	-40.3725	6.804	0.3015	0.477	-8.4105	451.446	1
1245_1246	1245	1246	190.905	-23.3295	0.207	-0.2535	2.5275	1213.685	1
1246_1246	1246	1246	-37.7655	4.8945	0.3675	0.687	-5.58	411.4425	1
1246_1247	1246	1247	191.7135	-17.6025	0.1575	0.2865	4.5975	1237.451	1
1247_1247	1247	1247	-36.4815	3.7845	0.1785	0.558	-2.0085	380.7855	1
1247_1248	1247	1248	194.2185	-37.491	0.027	-0.4845	4.9275	1243.61	0.2
1248_1248	1248	1248	-19.695	-3.357	-0.186	-0.51	-3.5475	386.4675	1
1248_1249	1248	1249	196.1595	-31.2105	0.012	-0.261	4.7445	1232.909	1
1249_1249	1249	1249	-19.7895	-3.8595	-0.4245	-0.654	-5.4105	412.1475	1
1249_1250	1249	1250	196.7895	-26.1615	-0.7035	-0.63	-3.0555	1198.944	1
1250_1250	1250	1250	-21.6555	-5.169	-0.375	-0.345	-9.699	443.8425	1
1250_1251	1250	1251	196.2015	-21.4035	-0.7365	0.0585	-10.3005	1151.373	1
1251_1251	1251	1251	-21.7725	-7.323	-0.618	-0.612	-12.8505	481.5075	1
1251_1252	1251	1252	197.8035	-21.237	-0.4695	-0.4935	-15.138	1114.803	1
1252_1252	1252	1252	-18.357	-11.2665	-0.573	-0.348	-17.736	544.5735	1
1252_1253	1252	1253	196.0845	-15.7755	-0.6345	-0.0675	-23.3175	1041.869	1
1253_1253	1253	1253	5.9745	-21.7605	-0.468	-0.5745	-15.8535	670.554	1
1253_1254	1253	1254	195.783	-14.337	-0.633	-0.2865	-25.167	1012.379	1
1254_1254	1254	1254	14.2125	-24.8145	0.3	1.5975	-15.6495	720.108	1
1254_1255	1254	1255	196.347	-17.538	0.549	5.3055	-22.884	988.0305	1
1255_1255	1255	1255	76.035	16.3575	1.14	-2.991	-14.8455	1666.065	1
1255_1256	1255	1256	29.2905	-50.0325	1.311	-2.73	0.4395	804.2895	1
1256_1256	1256	1256	83.2875	16.0185	1.1445	-2.0595	-5.7195	1545.108	1
1256_1257	1256	1257	44.1075	-47.3895	1.44	-2.463	10.6185	931.1445	1
1257_1257	1257	1257	89.487	12.249	-0.0645	-0.87	2.451	1440.003	1
1257_1258	1257	1258	71.8635	-50.784	-0.132	-0.5505	9.72	1136.094	1
1258_1258	1258	1258	99.216	12.0615	-0.0585	-0.132	1.7085	1320.552	1
1258_1259	1258	1259	110.283	-46.023	-0.0345	-0.4395	10.5195	1357.269	1
1259_1259	1259	1259	128.1	12	-0.288	-0.2175	0.4425	1075.739	1
1259_1260	1259	1260	169.8945	-42.354	-0.576	-0.387	1.7265	1379.9	1
1260_1260	1260	1260	127.8525	12.486	-0.285	0.0015	-2.6085	976.3965	1
1260_1261	1260	1261	193.2585	-37.629	-0.603	-0.2475	-3.7125	1506.438	1
1261_1261	1261	1261	125.07	12.768	-0.216	0.0675	-4.0185	842.226	1
1261_1262	1261	1262	206.9565	-35.6895	-0.462	-0.225	-4.296	1457.588	1
1262_1262	1262	1262	121.1745	12.9945	0.033	-0.1395	-4.701	817.968	1
1262_1263	1262	1263	224.3535	-31.515	0.009	-0.5055	-4.3515	1582.412	1
1263_1263	1263	1263	107.499	12.9945	0.0375	0.129	-4.329	731.7105	1
1263_1264	1263	1264	235.2735	-50.592	0.027	-0.3195	-4.3515	1687.322	1
1264_1264	1264	1264	92.8095	12.828	0.0225	-0.0255	-3.8895	639.0405	1
1264_1265	1264	1265	247.3545	-46.5	0.0135	-0.618	-4.2435	1771.772	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1265_1265	1265	1265	78.93	12.8175	0.0255	0.1815	-3.642	550.3995	1
1265_1266	1265	1266	252.3165	-39.927	0.0315	-0.1005	-3.8955	1809.414	1
1266_1266	1266	1266	64.992	12.6585	0.024	0.0795	-3.3465	462.4935	1
1266_1267	1266	1267	254.6595	-11.172	0.024	-0.105	-3.6405	1817.562	1
1267_1267	1267	1267	39.54	-12.42	0.012	-0.1185	-2.745	405.237	1
1267_1268	1267	1268	247.9935	-4.593	0.0405	0.2355	-3.09	1781.993	1
1268_1268	1268	1268	52.9125	-12.414	0.0165	-0.2175	-2.616	489.57	1
1268_1269	1268	1269	234.7335	0.516	0.066	0.015	-2.052	1703.237	1
1269_1269	1269	1269	68.2545	-12.414	0.0255	-0.0165	-2.3985	586.329	1
1269_1270	1269	1270	217.9515	-18.804	0.099	0.216	-0.3525	1594.131	1
1270_1270	1270	1270	81.7155	-12.237	-0.1365	-0.1875	-2.1	671.2335	1
1270_1271	1270	1271	202.929	-15.441	-0.3345	-0.0765	-3.363	1493.663	1
1271_1271	1271	1271	92.334	-12.237	-0.129	0.012	-3.351	738.2175	1
1271_1272	1271	1272	182.004	-10.482	-0.297	0.1905	-6.4245	1351.539	1
1272_1272	1272	1272	95.547	-12.321	-0.1665	0.3315	-6.5265	893.8695	1
1272_1273	1272	1273	157.062	-8.7675	-0.375	0.675	-9.996	1410.555	1
1273_1273	1273	1273	99.4005	-14.358	-0.021	-0.1335	-7.227	928.524	1
1273_1274	1273	1274	139.362	-11.829	0.102	0.0195	-8.406	1324.524	1
1274_1274	1274	1274	104.562	-14.442	-0.015	0.1605	-7.389	1010.04	1
1274_1275	1274	1275	116.61	-8.4315	0.072	0.261	-7.323	1227.555	1
1275_1275	1275	1275	87.5415	-15.195	0	1.3125	-11.442	1200.179	1
1275_1276	1275	1276	85.644	-7.3695	0.1065	1.4595	-10.5645	1280.907	1
1276_1276	1276	1276	86.6745	-18.279	1.74	0.177	-11.508	1253.441	1
1276_1277	1276	1277	57.0555	-7.2705	2.1015	-0.0465	14.46	1118.094	1
1277_1277	1277	1277	81.3885	-19.14	1.7625	0.8205	9.054	1435.788	1
1277_1278	1277	1278	29.2065	-2.433	2.0025	-0.288	39.4125	887.5275	1
1278_1278	1278	1278	72.0225	-27.5925	-3.3255	4.335	32.166	1650.372	1
1278_1279	1278	1279	16.3845	-8.19	-3.318	4.911	5.583	736.245	1
1279_1279	1279	1279	16.131	30.2445	-0.7485	-0.3945	-2.4555	876.807	1
1279_1280	1279	1280	175.4715	-32.133	-1.713	-3.012	-15.165	1060.175	1
1280_1280	1280	1280	-10.1355	25.662	-0.9225	-0.6855	-11.169	669.786	1
1280_1281	1280	1281	176.736	-29.7105	-1.503	-2.5245	-21.432	1057.014	1
1281_1281	1281	1281	-47.8905	21.654	1.4295	0.2865	-36.465	655.392	1
1281_1282	1281	1282	163.968	-26.742	1.4655	-0.492	-17.6055	1163.73	1
1282_1282	1282	1282	-76.803	13.995	1.878	0.582	-22.983	496.635	1
1282_1283	1282	1283	162.4575	-20.5005	1.1535	0.219	-0.837	1177.166	1
1283_1283	1283	1283	-82.1115	8.0355	-0.1485	0.492	-0.072	391.227	1
1283_1284	1283	1284	164.877	-17.7	0.024	-0.321	-0.816	1210.208	1
1284_1284	1284	1284	-18.441	-3.939	-0.0285	-0.318	-3.2925	415.638	1
1284_1285	1284	1285	174.198	-35.2905	-0.012	0.006	-0.642	1216.08	1
1285_1285	1285	1285	-18.321	-4.47	-0.7305	-0.6375	-3.345	449.199	1
1285_1286	1285	1286	181.107	-31.998	-0.2325	-0.759	-2.871	1224.839	1
1286_1286	1286	1286	-19.1955	-5.6265	-0.7065	-0.2745	-11.5335	491.784	1
1286_1287	1286	1287	185.886	-25.9905	-0.405	-0.0225	-7.7655	1201.595	1
1287_1287	1287	1287	-19.044	-7.3815	-0.4935	-0.699	-19.041	541.3515	1
1287_1288	1287	1288	194.0805	-22.734	-0.6255	-0.7455	-17.9145	1180.556	1
1288_1288	1288	1288	-15.669	-11.1105	-0.4365	-0.1755	-25.209	628.314	1
1288_1289	1288	1289	198.5535	-17.3535	-0.8295	0.102	-29.967	1132.329	1
1289_1289	1289	1289	-1.65	-18.2925	0.7995	0.318	-25.7265	742.218	1
1289_1290	1289	1290	200.367	-18.5595	1.395	1.4985	-25.6935	1116.507	1
1290_1290	1290	1290	4.839	-21.894	0.7725	0.558	-20.4255	819.7605	1
1290_1291	1290	1291	204.276	-14.493	1.563	2.0865	-14.2185	1092.981	1
1291_1291	1291	1291	74.1015	12.435	1.788	-3.1335	-4.4955	1908.168	1
1291_1292	1291	1292	32.556	-51.9705	2.505	-3.8715	25.4535	934.3935	1
1292_1292	1292	1292	80.979	9.924	-0.5895	-1.5105	8.538	1814.874	1
1292_1293	1292	1293	63.666	-54.351	-1.272	-1.011	10.8225	1297.83	1
1293_1293	1293	1293	93.3585	9.879	-0.5835	0.687	0.8505	1684.968	1
1293_1294	1293	1294	93.3465	-80.1825	-1.0905	-0.537	0.513	1613.589	1
1294_1294	1294	1294	100.971	10.8195	-0.018	-1.8495	-5.6625	1578.429	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1294_1295	1294	1295	115.2945	-77.4075	-0.2115	-2.682	-0.4545	1819.028	1
1295_1295	1295	1295	120.012	10.815	-0.009	0.0165	-3.9945	1399.662	1
1295_1296	1295	1296	158.5155	-73.548	-0.1455	-0.4095	-1.3785	1869.635	1
1296_1296	1296	1296	117.7455	11.0445	-0.0075	0.321	-4.0575	1340.585	1
1296_1297	1296	1297	179.094	-69.1905	-0.1515	-0.1755	-2.8275	2089.469	1
1297_1297	1297	1297	111.732	10.743	-0.042	-0.663	-4.1265	1272.45	1
1297_1298	1297	1298	188.178	-69.993	-0.051	-1.5915	-3.1605	2191.127	1
1298_1298	1298	1298	92.631	10.7895	-0.0615	-0.5115	-6.6885	1335.056	1
1298_1299	1298	1299	173.8665	-66.342	-0.0435	-1.8465	-5.6385	2567.924	1
1299_1299	1299	1299	87.717	10.7895	-0.057	0.7095	-7.212	1267.055	1
1299_1300	1299	1300	191.736	-60.2295	0.012	0.249	-5.7585	2820.279	1
1300_1300	1300	1300	80.76	10.638	0.099	-0.5115	-7.902	1170.782	1
1300_1301	1300	1301	208.5255	-56.775	0.1335	-2.4135	-4.0485	3056.193	1
1301_1301	1301	1301	73.227	10.638	0.105	0.774	-6.597	1066.529	1
1301_1302	1301	1302	218.4	-50.7825	0.168	0.9015	-2.0835	3193.952	1
1302_1302	1302	1302	66.8325	10.296	0.099	-0.3615	-5.4345	976.872	1
1302_1303	1302	1303	226.8375	-47.511	0.0945	-2.5095	-0.915	3309.77	1
1303_1303	1303	1303	59.3775	10.296	0.1065	0.8715	-4.0935	873.6825	1
1303_1304	1303	1304	229.5105	-14.724	0.1095	2.289	0.1815	3347.76	1
1304_1304	1304	1304	53.2635	9.957	0.1395	-0.111	-2.9265	789.057	1
1304_1305	1304	1305	231.5565	-12.006	0.1125	-1.533	1.8195	3374.907	1
1305_1305	1305	1305	46.266	9.957	0.1455	0.717	-1.101	692.2005	1
1305_1306	1305	1306	227.5845	-5.703	0.141	2.2485	3.5955	3316.799	1
1306_1306	1306	1306	40.377	9.4935	0.201	0.0435	0.5475	607.5135	1
1306_1307	1306	1307	220.581	-3.639	0.1365	-1.0035	5.1405	3214.151	1
1307_1307	1307	1307	34.32	9.4935	0.2055	0.594	2.9325	523.671	1
1307_1308	1307	1308	205.8315	3.771	0.159	2.0745	6.9465	3001.056	1
1308_1308	1308	1308	27.8685	9.0975	0.1275	0.18	5.5275	434.361	1
1308_1309	1308	1309	186.822	6.9705	0.1185	-0.4545	7.842	2726.124	1
1309_1309	1309	1309	21.963	9.0915	0.132	0.585	7.0785	352.005	1
1309_1310	1309	1310	159.0495	14.937	0.15	2.2995	9.09	2326.124	1
1310_1310	1310	1310	16.1445	9.0945	-0.0915	0.309	8.73	268.584	1
1310_1311	1310	1311	123.4605	29.625	-0.3015	0.435	4.728	1824.015	1
1311_1311	1311	1311	10.0995	9.0615	-0.066	0.513	7.839	182.0115	1
1311_1312	1311	1312	78.054	38.6715	-0.2385	2.043	1.1235	1172.927	1
1312_1312	1312	1312	4.6635	8.4195	-0.483	0.462	8.679	96.522	1
1312_1313	1312	1313	6.6375	-8.316	0.069	-0.6225	0	27.603	1
1400_1020	1400	1020	91.9455	2.3925	-7.8075	-0.387	104.1405	336.3045	1
1400_1401	1400	1401	-75.5895	31.923	-21.141	-1.332	66.2385	876.789	1
1401_1401	1401	1401	93.171	2.46	-5.247	1.4355	72.6525	326.7375	1
1401_1402	1401	1402	-75.819	30.651	-5.3775	1.488	48.1545	769.7685	1
1402_1402	1402	1402	96.792	4.491	-5.3985	-0.15	56.43	318.3375	1
1402_1403	1402	1403	-77.5125	28.7835	-5.5395	-0.3195	-11.469	455.2815	1
1403_1403	1403	1403	103.4895	7.332	-0.0195	0.2235	-2.5365	270.8805	1
1403_1404	1403	1404	-80.3475	25.2525	0.7155	0.2175	-5.664	271.1265	1
1404_1404	1404	1404	109.8225	9.27	-0.0465	0.4335	-3.0615	220.6785	1
1404_1405	1404	1405	-83.3175	23.052	0.768	0.522	-0.189	103.3185	1
1405_1405	1405	1405	125.3085	11.1285	0.2835	0.3645	-3.354	160.161	1
1405_1406	1405	1406	-89.0805	-12.8835	-0.2235	-0.294	-0.945	59.595	1
1406_1406	1406	1406	71.115	-13.563	0.156	-0.0525	-0.213	259.6725	1
1406_1407	1406	1407	-108.789	-17.4885	-1.8075	-0.4455	-17.2305	210.903	1
1407_1407	1407	1407	67.4625	-15.57	-0.018	0.03	-0.726	400.2885	1
1407_1408	1407	1408	-112.1	-20.0595	-1.716	0.015	-26.475	321.8865	1
1408_1408	1408	1408	62.5215	-29.9205	0.0315	-0.186	-1.563	489.2175	1
1408_1409	1408	1409	-119.708	4.749	6.21	-1.047	-9.708	306.4035	1
1409_1409	1409	1409	62.3595	29.7465	0.06	0.174	-1.3875	579.9975	1
1409_1410	1409	1410	-123.432	-5.205	5.7165	0.9975	8.241	321.879	1
1410_1410	1410	1410	67.266	16.0695	0.078	-0.294	-1.1115	490.1535	1
1410_1411	1410	1411	-125.141	20.7375	-0.462	-0.306	3.513	205.365	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1411_1411	1411	1411	66.246	16.815	-0.1095	0.357	-0.036	403.152	1
1411_1412	1411	1412	-106.148	16.4835	0.0345	0.009	0.7695	48.039	1
1412_1412	1412	1412	65.934	16.635	-0.0225	0.1035	-0.4605	263.397	1
1412_1413	1412	1413	-84.5595	-19.185	-0.114	-0.4095	-0.015	97.2225	1
1413_1413	1413	1413	156.393	-8.841	-0.447	0.3075	1.755	158.5905	1
1413_1414	1413	1414	-81.453	-23.3655	-0.5205	-0.3225	-4.308	263.3295	1
1414_1414	1414	1414	152.697	-5.556	-0.366	0.1875	-1.6755	223.6095	1
1414_1415	1414	1415	-79.7745	-25.335	-0.564	-0.3915	-8.2635	445.7175	1
1415_1415	1415	1415	153.3825	-1.431	-4.6785	-0.6585	-3.5415	265.62	1
1415_1416	1415	1416	-80.1495	-28.5705	5.7645	-1.7445	53.6085	757.878	1
1416_1416	1416	1416	142.6425	1.263	-5.8095	3.531	-52.251	285.8175	1
1416_1417	1416	1417	-79.3935	-30.4575	6.516	4.9845	74.1075	864.087	1
1417_1417	1417	1417	137.457	1.6485	-4.503	0.102	-70.215	281.598	1
1417_1036	1417	1036	-79.0095	-31.578	21.078	1.512	160.1805	993.6735	1
1420_1056	1420	1056	80.502	0.7575	-6.3435	-0.306	83.0235	243.51	1
1420_1421	1420	1421	-82.011	30.1335	-20.6235	-1.1055	44.343	793.5915	1
1421_1421	1421	1421	84.111	0.66	-4.377	0.9015	58.3425	240.927	1
1421_1422	1421	1422	-82.0125	28.7775	-3.825	0.426	31.104	693.276	1
1422_1422	1422	1422	86.787	2.4885	-4.5525	-0.0165	44.37	238.6935	1
1422_1423	1422	1423	-82.674	26.823	-3.792	-0.003	-10.224	400.2975	1
1423_1423	1423	1423	137.1405	4.023	0.066	-0.306	0.9135	216.771	1
1423_1424	1423	1424	-81.219	23.4225	0.69	0.141	-4.308	231.6315	1
1424_1424	1424	1424	141.8385	6.9495	-0.1035	-0.159	1.68	188.3325	1
1424_1425	1424	1425	-87.465	20.91	0.8055	0.5025	1.2585	78.192	1
1425_1425	1425	1425	138.066	10.9425	0.015	-0.162	-0.4755	139.254	1
1425_1426	1425	1426	-76.092	-9.7815	0.0315	-0.249	1.506	40.092	1
1426_1426	1426	1426	73.5945	-12.2175	0.1905	-0.2265	-0.354	236.1195	1
1426_1427	1426	1427	-115.175	-15.258	-0.3825	0.0135	-1.8165	163.917	1
1427_1427	1427	1427	71.3145	-13.4625	-0.1215	0.3465	-0.231	361.2585	1
1427_1428	1427	1428	-118.667	-17.8995	-0.0645	0.363	-1.3635	262.7745	1
1428_1428	1428	1428	67.026	-28.443	-0.096	-0.3165	-1.815	437.3895	1
1428_1429	1428	1429	-109.403	5.52	-4.9935	-1.9065	-16.7475	245.406	1
1429_1429	1429	1429	66.966	28.485	-0.12	0.2835	-2.0355	523.4385	1
1429_1430	1429	1430	-112.884	-6.198	-6.177	1.7865	-34.7505	263.856	1
1430_1430	1430	1430	71.598	13.764	0.1455	-0.21	-2.25	437.463	1
1430_1431	1430	1431	-98.859	16.7175	2.4045	-0.165	-20.0985	170.301	1
1431_1431	1431	1431	71.028	14.9085	-0.006	0.312	-1.1385	361.719	1
1431_1432	1431	1432	-81.3435	13.0785	2.5845	0.4515	2.304	45.2985	1
1432_1432	1432	1432	71.13	14.8665	-0.0345	0.0975	-0.8805	236.9985	1
1432_1433	1432	1433	-85.8885	-17.2755	0.0825	-0.3645	1.893	76.341	1
1433_1433	1433	1433	109.0695	-4.7745	-0.2775	-0.4935	-1.842	138.0015	1
1433_1434	1433	1434	-82.8195	-21.48	-0.7875	-0.561	-4.4325	229.0275	1
1434_1434	1434	1434	100.176	-4.7775	-0.408	-0.0945	-3.564	183.2655	1
1434_1435	1434	1435	-82.299	-23.397	-0.654	-0.0495	-9.291	397.6545	1
1435_1435	1435	1435	91.716	-2.484	5.1165	-0.042	-6.207	219.5865	1
1435_1436	1435	1436	-83.7615	-26.8365	3.7815	-0.1995	31.0695	690.87	1
1436_1436	1436	1436	84.6795	-1.035	4.596	-0.7005	46.2585	249.3705	1
1436_1437	1436	1437	-83.1015	-28.794	3.9135	0.2865	44.364	791.1795	1
1437_1437	1437	1437	84.8835	-0.903	7.245	0.345	63.7455	252.912	1
1437_1072	1437	1072	-82.767	-30.3225	20.562	1.0785	128.8605	915.171	1
1440_1094	1440	1094	74.3745	0.9195	-6.42	-0.3435	69.0855	234.045	1
1440_1441	1440	1441	-83.6085	29.574	-19.8735	-1.236	31.1805	768.261	1
1441_1441	1441	1441	77.0985	0.852	-3.387	0.8175	43.437	230.3535	1
1441_1442	1441	1442	-83.595	28.221	-2.823	0.5235	21.7215	669.7815	1
1442_1442	1442	1442	77.0565	2.7015	-3.387	0.057	31.6275	227.3805	1
1442_1443	1442	1443	-84.2475	26.2065	-2.8245	-0.006	-9.126	383.4945	1
1443_1443	1443	1443	136.1355	3.888	-0.1275	-0.2445	2.283	213.3525	1
1443_1444	1443	1444	-83.421	22.698	0.66	0.3525	-3.336	219.7005	1
1444_1444	1444	1444	140.64	6.816	-0.1245	-0.315	1.488	186.162	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1444_1445	1444	1445	-88.92	20.2695	0.6795	0.423	1.3335	71.0175	1
1445_1445	1445	1445	139.914	10.6965	0.069	-0.204	-0.888	138.744	1
1445_1446	1445	1446	-68.133	-9.171	0.0975	-0.2745	1.758	43.632	1
1446_1446	1446	1446	72.4875	-11.736	0.3225	-0.1635	-0.66	230.019	1
1446_1447	1446	1447	-116.435	-15.1845	-0.2715	0.0765	-1.0305	161.7015	1
1447_1447	1447	1447	71.2515	-12.7635	0.081	0.189	1.0455	349.4955	1
1447_1448	1447	1448	-119.265	-17.7735	-0.036	0.333	-0.7065	259.9665	1
1448_1448	1448	1448	67.6185	-27.738	-0.213	0.105	1.239	421.6605	1
1448_1449	1448	1449	-111.305	6.048	-3.768	-2.379	-11.5425	241.206	1
1449_1449	1449	1449	67.704	27.918	0.0885	-0.1035	0.696	505.413	1
1449_1450	1449	1450	-114.111	-6.5955	-6.624	2.283	-31.1595	260.793	1
1450_1450	1450	1450	71.7855	13.1115	-0.1425	0.2235	0.924	421.083	1
1450_1451	1450	1451	-100.754	16.695	2.244	0.123	-17.169	167.4645	1
1451_1451	1451	1451	71.4315	14.1945	-0.195	0.078	0.804	348.7875	1
1451_1452	1451	1452	-81.3705	12.8955	2.1795	0.369	2.3685	43.3605	1
1452_1452	1452	1452	72.051	14.2935	-0.018	0.114	-0.8625	230.0295	1
1452_1453	1452	1453	-84.153	-16.7685	0.129	-0.432	2.028	73.599	1
1453_1453	1453	1453	111.048	-4.4925	-0.4215	-0.402	-0.9285	138.441	1
1453_1454	1453	1454	-82.074	-20.8125	-0.654	-0.42	-3.408	222.015	1
1454_1454	1454	1454	102.621	-4.5795	-0.387	-0.3135	-3.672	182.4195	1
1454_1455	1454	1455	-80.697	-22.6725	-0.6405	-0.3225	-7.9725	384.75	1
1455_1455	1455	1455	94.1955	-1.926	3.951	-0.1095	-6.4395	217.7805	1
1455_1456	1455	1456	-82.539	-26.184	2.7525	-0.1305	21.0075	671.2935	1
1456_1456	1456	1456	85.836	-0.6285	3.5595	-0.696	34.05	243.7005	1
1456_1457	1456	1457	-81.9	-28.1145	2.8185	-0.0315	30.675	769.3965	1
1457_1457	1457	1457	84.4755	-0.597	6.534	0.3525	47.0565	245.988	1
1457_1110	1457	1110	-81.7605	-29.592	19.8225	1.209	111.882	890.5935	1
1460_1132	1460	1132	45.885	4.6575	-3.774	-0.2475	45.447	242.799	1
1460_1461	1460	1461	-86.631	32.7105	-17.3595	-1.2375	28.698	832.6455	1
1461_1461	1461	1461	49.3845	4.476	-2.535	0.747	31.446	224.301	1
1461_1462	1461	1462	-86.7045	31.1955	-2.355	1.0125	20.5185	723.8235	1
1462_1462	1462	1462	157.2045	-2.112	2.592	-0.1905	-28.08	233.8185	1
1462_1463	1462	1463	-87.4245	29.106	-2.427	-0.1425	-6.1605	405.9735	1
1463_1463	1463	1463	165.0285	1.782	-0.003	0.093	-2.4045	260.7285	1
1463_1464	1463	1464	-87.117	24.8985	0.723	0.615	-2.2455	226.533	1
1464_1464	1464	1464	174.0975	5.2245	0.4815	-0.5925	-2.616	250.4775	1
1464_1465	1464	1465	51.873	2.652	0.12	-0.198	0.0435	72.906	1
1465_1465	1465	1465	175.0155	10.4295	-0.0285	-0.111	-0.7155	215.001	1
1465_1466	1465	1466	-50.094	-10.083	-0.069	-0.2145	-0.906	111.963	1
1466_1466	1466	1466	63.168	-15.5295	-0.309	0.108	-0.609	233.877	1
1466_1467	1466	1467	-58.656	-12.5295	0.534	0.018	3.699	221.163	1
1467_1467	1467	1467	68.6415	-14.934	-0.0165	-0.6045	-2.5035	376.626	1
1467_1468	1467	1468	-61.8795	-13.9665	0.4635	-0.489	6.552	297.7455	1
1468_1468	1468	1468	63.2205	-28.6755	0.4635	-0.621	-2.3715	459.63	1
1468_1469	1468	1469	-63.3105	-0.5985	4.206	-0.0195	18.6135	299.274	1
1469_1469	1469	1469	65.9205	29.7765	-0.7005	0.684	1.7895	551.001	1
1469_1470	1469	1470	-87.9375	-0.1365	-4.38	0.5835	4.0785	365.1585	1
1470_1470	1470	1470	70.7145	15.447	-0.0555	0.4425	-0.7365	461.3085	1
1470_1471	1470	1471	-81.111	18.096	-0.2385	0.411	2.475	264.132	1
1471_1471	1471	1471	69.168	16.773	0.048	0.063	-1.11	375.6945	1
1471_1472	1471	1472	-73.4205	15.8055	-0.2145	0.0735	-0.2295	120.627	1
1472_1472	1472	1472	64.062	18.201	-0.114	0.2505	0.1275	229.9125	1
1472_1473	1472	1473	-82.4715	-19.6875	0.096	-0.399	2.172	72.0465	1
1473_1473	1473	1473	160.9665	-2.4405	0.0585	0.2085	0.4185	184.3035	1
1473_1474	1473	1474	-82.2915	-23.259	-0.6645	-0.411	-3.174	239.7525	1
1474_1474	1474	1474	152.697	0.396	0.0015	0.1905	0.5415	204.5355	1
1474_1475	1474	1475	-81.7395	-25.1295	-0.6555	-0.312	-7.908	420.6525	1
1475_1475	1475	1475	78.5895	-6.048	2.8575	-0.0075	-4.8225	213.5235	1
1475_1476	1475	1476	-83.1705	-28.6365	2.583	0.132	19.4145	733.428	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1476_1476	1476	1476	73.2	-4.7025	2.7045	-0.7995	24.7035	282.1785	1
1476_1477	1476	1477	-83.751	-30.678	2.5725	-0.8655	28.8915	840.2865	1
1477_1477	1477	1477	70.8465	-4.7115	4.0095	0.267	34.0005	298.6935	1
1477_1148	1477	1148	-84.006	-32.0445	20.313	1.26	111.765	971.565	1
1480_1168	1480	1168	58.8225	3.5595	-3.768	-0.2655	42.8625	251.6475	1
1480_1481	1480	1481	-83.4825	32.232	-21.027	-1.428	25.6845	846.0285	1
1481_1481	1481	1481	62.115	3.5025	-2.3985	1.056	28.5615	237.66	1
1481_1482	1481	1482	-83.964	30.843	-2.349	2.148	18.8475	738.39	1
1482_1482	1482	1482	64.062	4.881	-2.277	-0.117	20.631	225.5655	1
1482_1483	1482	1483	-84.6705	28.824	-2.583	-0.5625	-9.9735	423.576	1
1483_1483	1483	1483	149.2485	0.723	-0.0225	-0.144	0.144	217.359	1
1483_1484	1483	1484	-82.698	25.3005	0.7335	0.3135	-3.765	241.23	1
1484_1484	1484	1484	154.7985	3.954	-0.021	-0.189	0.1335	213.4395	1
1484_1485	1484	1485	-84.534	23.31	0.729	0.372	1.4505	72.744	1
1485_1485	1485	1485	155.4045	8.5035	0.009	-0.066	-1.4085	187.05	1
1485_1486	1485	1486	-63.216	-10.767	-0.1065	-0.219	-0.978	98.5995	1
1486_1486	1486	1486	62.8245	-15.888	-0.39	0.111	-0.3075	236.544	1
1486_1487	1486	1487	-72.3075	-13.7385	0.429	0	2.6745	218.6535	1
1487_1487	1487	1487	66.78	-15.525	-0.1035	-0.6045	-2.97	383.2335	1
1487_1488	1487	1488	-75.3615	-15.4515	0.3375	-0.48	4.851	303.777	1
1488_1488	1488	1488	62.73	-29.313	0.69	-0.882	-2.445	470.049	1
1488_1489	1488	1489	-77.451	0.846	5.211	-0.4215	19.8525	300.678	1
1489_1489	1489	1489	65.295	29.847	-0.939	0.867	1.9665	561.504	1
1489_1490	1489	1490	-73.869	-0.4125	-5.499	0.048	7.803	310.1655	1
1490_1490	1490	1490	69.975	15.6555	0.021	0.4245	-1.533	471.8355	1
1490_1491	1490	1491	-64.8855	14.7465	-0.528	0.3555	4.071	227.634	1
1491_1491	1491	1491	67.4385	16.9005	0.1575	0.0345	-1.7025	385.227	1
1491_1492	1491	1492	-56.97	12.72	-0.468	0.024	-1.005	110.8035	1
1492_1492	1492	1492	62.931	18.405	-0.129	0.2355	0.4125	237.9945	1
1492_1493	1492	1493	-85.485	-19.782	0.096	-0.387	2.148	69.9615	1
1493_1493	1493	1493	168.909	-2.856	0.1005	0.201	0.237	186.7035	1
1493_1494	1493	1494	-85.767	-23.475	-0.678	-0.4035	-3.288	239.262	1
1494_1494	1494	1494	158.634	-0.012	0.0315	0.186	0.621	210.6555	1
1494_1495	1494	1495	-85.1985	-25.461	-0.6675	-0.2925	-8.118	422.793	1
1495_1495	1495	1495	158.535	4.0935	-1.8975	0.186	1.9245	212.073	1
1495_1496	1495	1496	-87.372	-28.9965	2.5695	-0.0345	19.1985	739.518	1
1496_1496	1496	1496	56.595	-4.128	1.9905	-0.456	18.216	224.5005	1
1496_1497	1496	1497	-86.655	-31.0845	2.5875	-0.3375	28.1775	847.968	1
1497_1497	1497	1497	54.5625	-4.1445	4.3845	0.246	24.648	239.0475	1
1497_1184	1497	1184	-86.919	-32.358	20.8905	1.3485	113.3295	980.52	1
1500_1204	1500	1204	80.721	0.3615	-7.554	-0.5355	75.7455	229.005	1
1500_1501	1500	1501	-83.5965	32.709	-20.658	-1.959	44.823	877.6995	1
1501_1501	1501	1501	80.5515	0.4785	-3.2895	0.7245	44.328	227.5725	1
1501_1502	1501	1502	-84.1155	31.2315	-3.9435	0.2775	31.068	768.8175	1
1502_1502	1502	1502	84.4755	2.2065	-3.5145	0.0825	34.3875	226.7805	1
1502_1503	1502	1503	-84.8505	29.1825	-3.891	0.051	-11.244	450.3525	1
1503_1503	1503	1503	134.976	3.693	0.093	-0.264	-0.5805	212.952	1
1503_1504	1503	1504	-83.871	25.7325	0.7575	0.429	-5.1495	264.399	1
1504_1504	1504	1504	140.4015	6.6165	0.0885	-0.3135	0.318	187.1625	1
1504_1505	1504	1505	-89.592	23.1255	0.7665	0.5385	0.1395	95.202	1
1505_1505	1505	1505	137.214	10.5705	0.0435	-0.183	-0.3315	140.655	1
1505_1506	1505	1506	-73.794	-9.234	-0.0135	-0.291	1.4205	40.302	1
1506_1506	1506	1506	74.7885	-14.1195	0.2565	-0.174	-1.1745	265.4175	1
1506_1507	1506	1507	-99.021	-13.9065	-2.403	-0.489	-20.1315	159.537	1
1507_1507	1507	1507	72.1335	-15.417	-0.057	0.1125	-1.092	407.835	1
1507_1508	1507	1508	-106.319	-16.539	-2.262	0.063	-32.3925	250.3065	1
1508_1508	1508	1508	67.044	-30.8205	0.048	-0.624	-2.922	496.326	1
1508_1509	1508	1509	-106.277	5.577	-6.048	-2.262	-11.934	232.2525	1
1509_1509	1509	1509	67.0425	30.981	-0.0705	0.591	-2.76	589.6395	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1509_1510	1509	1510	-109.04	-6.315	-7.086	1.8225	-32.8125	251.3025	1
1510_1510	1510	1510	72.066	16.161	0.2055	-0.3	-2.205	496.602	1
1510_1511	1510	1511	-95.4195	15.8385	2.1315	-0.183	-19.3155	162.498	1
1511_1511	1511	1511	71.256	17.184	0.0195	0.456	-0.738	407.5125	1
1511_1512	1511	1512	-75.5535	12.015	2.286	0.4515	1.023	44.586	1
1512_1512	1512	1512	70.44	16.824	-0.054	0.1695	-0.0705	263.259	1
1512_1513	1512	1513	-88.926	-19.707	0.0195	-0.5595	1.0035	93.684	1
1513_1513	1513	1513	155.5905	-5.9055	-0.0525	0.315	1.4715	146.7135	1
1513_1514	1513	1514	-86.4375	-23.9235	-0.7005	-0.555	-4.545	264.3885	1
1514_1514	1514	1514	150.8145	-2.772	-0.1035	0.3	0.801	191.127	1
1514_1515	1514	1515	-84.753	-25.9965	-0.6825	-0.4065	-9.432	451.662	1
1515_1515	1515	1515	148.6785	0.6135	-2.5815	0.3165	0.438	214.119	1
1515_1516	1515	1516	-87.0285	-29.331	3.843	0.1725	31.734	771.753	1
1516_1516	1516	1516	78.8235	-0.663	3.2025	-0.939	30.513	230.112	1
1516_1517	1516	1517	-86.2935	-31.4325	3.789	-1.1295	45.0915	881.406	1
1517_1517	1517	1517	76.3755	-0.69	8.6955	0.4995	40.5465	232.8615	1
1517_1220	1517	1220	-86.598	-32.616	20.412	1.8855	128.463	1015.059	1
1520_1241	1520	1241	85.6275	1.8345	-4.4715	-4.206	33.3195	278.3445	1
1520_1521	1520	1521	-98.5605	36.6075	-5.664	-5.961	10.959	955.9095	1
1521_1521	1521	1521	89.43	1.1805	-0.8085	-0.321	15.8175	272.6145	1
1521_1522	1521	1522	-99.813	34.7355	-1.3515	-2.439	5.8425	836.382	1
1522_1522	1522	1522	90.366	3.231	-1.158	0.3735	13.413	268.539	1
1522_1523	1522	1523	-105.656	32.1975	-1.071	0.57	-3.894	484.0545	1
1523_1523	1523	1523	105.663	5.3835	-0.303	0.273	1.6605	237.177	1
1523_1524	1523	1524	-104.33	28.2585	0.2475	0.285	-0.969	280.0485	1
1524_1524	1524	1524	142.4145	7.8675	0.612	-0.183	-6.5955	200.9775	1
1524_1525	1524	1525	-107.567	25.452	0.3945	0.822	2.205	95.3265	1
1525_1525	1525	1525	128.6955	7.881	0.621	0.555	-3.387	157.077	1
1525_1526	1525	1526	-77.7465	-10.4595	-0.6885	-0.411	-7.8735	48.8745	1
1526_1526	1526	1526	91.104	-15.609	1.6725	-0.429	-5.868	294.0915	1
1526_1527	1526	1527	-120.581	-16.9305	3.4575	0.2025	34.281	187.476	1
1527_1527	1527	1527	89.907	-15.9825	0.669	0.2085	0.5325	445.2195	1
1527_1528	1527	1528	-124.956	-19.6785	3.8895	-0.168	58.0305	295.5345	1
1528_1528	1528	1528	84.561	-35.0205	0.336	-0.3735	-1.416	536.622	1
1528_1529	1528	1529	-109.709	5.463	-7.8375	3.537	33.57	277.014	1
1529_1529	1529	1529	84.6465	35.49	0.3345	-0.111	-0.321	642.267	1
1529_1530	1529	1530	-109.403	-4.8315	-6.0795	-4.041	15.3225	292.9935	1
1530_1530	1530	1530	90.267	16.9245	0.4875	-0.2025	-1.4385	535.5405	1
1530_1531	1530	1531	-99.081	18.201	-1.1055	0.393	9.54	191.256	1
1531_1531	1531	1531	88.758	18.051	0.597	0.2745	-0.591	442.26	1
1531_1532	1531	1532	-82.161	14.5365	-0.546	0.381	0.4905	53.385	1
1532_1532	1532	1532	86.2755	18.81	-0.3915	0.159	4.779	289.101	1
1532_1533	1532	1533	-110.099	-21.36	0.762	-0.7005	8.4615	96.7545	1
1533_1533	1533	1533	109.3215	-5.037	0.4545	-0.5745	5.871	158.6985	1
1533_1534	1533	1534	-108.77	-26.193	0.648	-0.702	12.318	284.946	1
1534_1534	1534	1534	99.8055	-6.285	0.4335	-0.633	9.3225	213.1035	1
1534_1535	1534	1535	-108.131	-28.716	0.729	-0.7515	17.4795	491.964	1
1535_1535	1535	1535	88.6275	-4.116	1.446	-0.411	11.8605	260.5275	1
1535_1536	1535	1536	-109.112	-32.61	1.908	-0.564	37.485	847.812	1
1536_1536	1536	1536	85.005	-2.4075	1.17	-0.4485	26.0295	307.6965	1
1536_1537	1536	1537	-108.285	-35.2485	2.1	0.168	44.3505	970.8675	1
1537_1537	1537	1537	80.8785	-2.781	4.1745	3.2775	28.6095	317.79	1
1537_1255	1537	1255	-108.561	-36.522	4.137	4.788	61.3815	1121.195	1
1540_1279	1540	1279	123.7035	0.744	7.2225	5.256	-1.1955	355.4295	1
1540_1541	1540	1541	-97.014	36.5715	-8.4135	-7.593	-14.5005	968.5845	1
1541_1541	1541	1541	127.3665	2.2665	-1.8855	-0.7515	26.976	349.509	1
1541_1542	1541	1542	-100.601	34.5405	-0.243	-2.1195	-14.754	849.9615	1
1542_1542	1542	1542	130.953	5.211	-2.2125	-0.5475	21.324	342.0045	1
1542_1543	1542	1543	-101.409	32.088	-0.0495	0.0255	-14.8125	499.5915	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1543_1543	1543	1543	127.7925	8.1525	0.4485	-0.915	-3.9825	286.5675	1
1543_1544	1543	1544	-103.799	28.08	0.7305	-0.2385	-9.009	296.2815	1
1544_1544	1544	1544	133.002	11.0055	-0.123	0.0075	-0.2565	228.579	1
1544_1545	1544	1545	-107.991	24.945	1.1265	1.221	-0.7965	114.981	1
1545_1545	1545	1545	138.939	5.646	1.4025	0.5355	-7.6515	166.8495	1
1545_1546	1545	1546	-110.072	-14.7945	0.576	0.126	10.476	71.9265	1
1546_1546	1546	1546	97.4565	-14.3385	3.7635	-0.3255	-5.4555	300.432	1
1546_1547	1546	1547	-119.309	-20.334	7.281	0.249	78.333	250.002	1
1547_1547	1547	1547	92.6445	-15.987	1.848	-0.1665	8.553	447.876	1
1547_1548	1547	1548	-118.865	-22.722	7.476	-0.9495	120.09	376.374	1
1548_1548	1548	1548	87.5205	-35.526	0.177	0.6075	8.5785	538.2105	1
1548_1549	1548	1549	-102.09	2.7375	-10.4505	12.756	90.5685	363.174	1
1549_1549	1549	1549	88.17	36.507	0.807	-1.4445	8.364	646.569	1
1549_1550	1549	1550	-101.282	0.624	-3.3555	-14.295	81.6945	370.1565	1
1550_1550	1550	1550	94.257	16.416	0.1815	-0.216	9.276	538.173	1
1550_1551	1550	1551	-87.984	21.648	-4.941	1.017	52.5225	244.8825	1
1551_1551	1551	1551	91.4565	17.9355	0.552	0.075	5.7735	446.796	1
1551_1552	1551	1552	-77.232	18.273	-4.2885	0.0855	11.1135	83.574	1
1552_1552	1552	1552	86.16	18.0195	-0.447	0.0345	8.9625	303.834	1
1552_1553	1552	1553	-116.763	-22.2225	1.5255	-0.7965	10.956	79.2165	1
1553_1553	1553	1553	103.7415	-7.785	0.5865	-0.7875	14.418	188.2545	1
1553_1554	1553	1554	-114.681	-27.3585	1.101	-0.903	17.8395	270.2505	1
1554_1554	1554	1554	95.985	-9.762	0.612	-1.005	19.0275	264.555	1
1554_1555	1554	1555	-113.939	-30.2985	1.2255	-1.0395	26.337	483.813	1
1555_1555	1555	1555	87.5385	-7.317	0.5925	-0.8055	23.058	336.993	1
1555_1556	1555	1556	-114.32	-34.7745	1.488	-1.005	41.7405	853.9785	1
1556_1556	1556	1556	81.75	-5.814	0.186	-0.5595	26.1855	420.7935	1
1556_1557	1556	1557	-113.304	-37.944	1.7295	-0.171	47.097	983.9535	1
1557_1557	1557	1557	77.1465	-5.598	2.5605	1.179	24.8445	441.684	1
1557_1291	1557	1291	-113.324	-39.4485	2.7285	3.0645	62.64	1206.413	1
41000_1000	41000	1000	4.7925	34.8435	-1.5375	11.736	0	33.4785	1
41000_1001	41000	1001	-2.8125	-90.831	1.2645	-8.4945	21.5055	1524.848	1
41001_1001	41001	1001	-1.299	-8.256	1.8735	-2.895	31.9035	129.7065	1
41001_1002	41001	1002	-3.354	-81.687	1.4115	-13.2495	39.4485	2252.256	1
41002_1002	41002	1002	-1.5945	-8.4105	-2.436	-2.5635	50.028	219.6765	1
41002_1003	41002	1003	-3.6675	-66.8835	-0.822	-7.827	30.5865	2913.953	1
41003_1003	41003	1003	-1.593	-8.4105	-2.4375	-2.826	20.325	322.2195	1
41003_1004	41003	1004	-4.107	-57.6195	-0.861	-11.769	20.382	3418.233	1
41004_1004	41004	1004	-1.5555	-8.4015	-1.0875	-2.2725	-9.396	424.7295	1
41004_1005	41004	1005	-4.422	-54.9525	-0.495	-5.856	11.205	3821.127	1
41005_1005	41005	1005	-1.5555	-8.4015	-1.089	-2.7015	-22.6605	527.193	1
41005_1006	41005	1006	-4.644	-46.653	-0.4065	-10.1775	2.4765	4063.967	1
41006_1006	41006	1006	-1.545	-8.721	-0.6	-1.926	-35.943	629.622	1
41006_1007	41006	1007	-4.7805	-46.053	-0.294	-3.15	-6.5025	4254.54	1
41007_1007	41007	1007	-1.5435	-8.721	-0.6015	-2.526	-43.254	735.9435	1
41007_1008	41007	1008	-4.8435	-38.3145	-0.1545	-7.7415	-13.5195	4309.497	1
41008_1008	41008	1008	-1.542	-9.0735	-0.543	-1.548	-50.5815	842.238	1
41008_1009	41008	1009	-4.8495	-38.4	-0.3345	-0.7635	-23.478	4336.254	1
41009_1009	41009	1009	-1.5675	-9.0795	-0.543	-2.235	-57.0165	952.869	1
41009_1010	41009	1010	-4.8465	-4.0785	-0.402	-2.5215	-24.579	4249.67	1
41010_1010	41010	1010	-1.566	-9.549	-0.567	-0.4365	-63.6345	1063.587	1
41010_1011	41010	1011	-4.8465	-4.11	-0.69	6.4335	-36.2535	4180.649	1
41011_1011	41011	1011	-1.566	-9.549	-0.5685	-2.4765	-70.539	1179.983	1
41011_1012	41011	1012	-4.7895	3.4875	-0.5325	-2.2665	-45.069	3996.354	1
41012_1012	41012	1012	-1.5645	-10.053	-0.507	-1.413	-77.472	1296.306	1
41012_1013	41012	1013	-4.6815	4.161	-0.861	3.072	-58.038	3786.255	1
41013_1013	41013	1013	-1.566	-10.053	-0.5055	-0.258	-83.646	1418.897	1
41013_1014	41013	1014	-4.527	11.5845	-0.6555	4.4115	-66.7755	3471.623	1
41014_1014	41014	1014	-1.566	-10.1355	-0.1995	-0.9135	-89.802	1541.475	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41014_1015	41014	1015	-4.2405	16.797	0.18	4.1445	-63.2685	2961.965	1
41015_1015	41015	1015	-1.476	-10.149	-0.1965	2.2845	-93.12	1710.179	1
41015_1016	41015	1016	-4.251	21.543	0.243	7.2015	-59.8005	2656.617	1
41016_1016	41016	1016	-1.371	-10.371	0.432	-0.843	-93.651	1793.856	1
41016_1017	41016	1017	-4.422	24.6495	2.3625	4.638	-30.7125	2218.299	1
41017_1017	41017	1017	-1.1145	-10.401	0.4335	4.2735	-88.428	1915.848	1
41017_1018	41017	1018	-2.628	0.9375	1.506	3.837	-16.503	1697.025	1
41018_1018	41018	1018	-0.855	-10.1115	-1.5945	0.7575	-82.965	2053.799	1
41018_1019	41018	1019	-2.535	5.691	-1.911	1.527	-49.899	1189.644	1
41019_1019	41019	1019	-0.6105	-10.161	-1.6005	7.1145	-101.862	2180.565	1
41019_1020	41019	1020	0.3555	-3.006	-0.2925	2.3085	-50.5155	840.513	1
41020_1020	41020	1020	-59.9115	37.8555	0.0495	3.1605	-38.244	1254.825	1
41020_1021	41020	1021	102.0555	-45.2415	8.631	-0.666	-187.737	1273.722	1
41021_1021	41021	1021	-70.986	28.611	1.818	3.297	-82.581	924.402	1
41021_1022	41021	1022	93.6105	-41.295	8.2035	-2.3715	-112.044	1413.569	1
41022_1022	41022	1022	-88.6365	19.7595	3.666	3.39	-103.236	737.9535	1
41022_1023	41022	1023	85.125	-36.897	7.6725	-1.683	-42.024	1515.275	1
41023_1023	41023	1023	-114.56	5.7345	2.8545	2.571	-114.864	643.284	1
41023_1024	41023	1024	77.094	-33.135	1.194	0.24	-25.194	1603.938	1
41024_1024	41024	1024	-110.565	3.486	2.895	2.334	-96.18	606.2805	1
41024_1025	41024	1025	69.882	-27.9345	1.0185	-0.8445	-11.04	1667.901	1
41025_1025	41025	1025	-108.06	2.877	3.018	2.976	-73.8375	581.4465	1
41025_1026	41025	1026	64.092	-22.2465	0.7365	0.147	-0.6705	1709.346	1
41026_1026	41026	1026	-102.167	1.764	2.136	2.1315	-50.9775	562.6965	1
41026_1027	41026	1027	60.5865	-20.94	0.3255	-0.2955	3.108	1734.882	1
41027_1027	41027	1027	-102.162	1.764	2.3235	3.1455	-38.172	552.111	1
41027_1028	41027	1028	57.9465	-16.4115	0.141	2.1915	5.3415	1743.189	1
41028_1028	41028	1028	-98.997	1.4505	2.2965	2.9685	-24.6735	543.153	1
41028_1029	41028	1029	55.4895	-35.0685	-0.261	-1.5765	6.9015	1726.725	1
41029_1029	41029	1029	-97.755	1.3545	2.3085	3.0345	-11.0895	534.5715	1
41029_1030	41029	1030	57.246	-30.744	-0.348	-1.965	4.7715	1701.374	1
41030_1030	41030	1030	-95.0055	0.7185	3	3.5445	2.2845	527.355	1
41030_1031	41030	1031	60.6555	-28.0305	-0.891	0.1185	-3.39	1658.699	1
41031_1031	41031	1031	-95.0055	0.7185	3.012	3.6135	26.2665	521.6055	1
41031_1032	41031	1032	65.406	-22.7835	-1.068	-0.66	-14.79	1592.823	1
41032_1032	41032	1032	-91.374	0.5355	2.9355	3.429	48.6855	516.702	1
41032_1033	41032	1033	70.974	-17.994	-1.227	-1.788	-28.8855	1500.669	1
41033_1033	41033	1033	-143.244	-8.5125	-6.3195	-4.332	-76.8435	561.8745	1
41033_1034	41033	1034	77.019	-14.343	-8.1435	-2.2515	-97.725	1392.285	1
41034_1034	41034	1034	-109.401	-19.695	-4.0665	-4.8495	-87.5595	676.965	1
41034_1035	41034	1035	83.1855	-10.299	-8.538	-2.163	-171.863	1267.952	1
41035_1035	41035	1035	-85.1835	-28.2075	-1.434	2.1225	-75.495	887.913	1
41035_1036	41035	1036	91.0395	-6.117	-9.492	5.064	-271.268	1086.276	1
41036_1036	41036	1036	59.94	53.31	-3.5625	8.307	102.2445	2311.811	1
41036_1037	41036	1037	-36.4305	-57.3045	1.3965	-3.8085	-38.2875	1072.838	1
41037_1037	41037	1037	-38.9625	14.1555	0.963	-1.9515	-66.843	1985.103	1
41037_1038	41037	1038	-40.7985	-52.431	2.4615	-3.6345	-11.2695	1495.35	1
41038_1038	41038	1038	-39.3255	13.527	-0.7245	-3.159	-54.675	1807.764	1
41038_1039	41038	1039	-45.4185	-47.4885	-1.905	-4.9215	-28.2645	1896.321	1
41039_1039	41039	1039	-39.6495	12.546	-0.69	-0.138	-64.3695	1624.547	1
41039_1040	41039	1040	-48.7005	-42.558	-2.058	-4.2585	-50.0325	2200.154	1
41040_1040	41040	1040	-39.8355	11.9025	0.402	-0.903	-72.465	1477.128	1
41040_1041	41040	1041	-50.607	-41.565	-0.5955	-3.6	-55.0395	2405.088	1
41041_1041	41041	1041	-39.9405	11.5455	0.411	-0.078	-69.153	1367.765	1
41041_1042	41041	1042	-53.889	-32.718	-0.741	-4.7565	-68.1555	2720.391	1
41042_1042	41042	1042	-39.9435	11.2905	0.1155	0.2235	-62.442	1179.501	1
41042_1043	41042	1043	-54.87	-56.4555	-0.141	-6.3315	-73.4385	2935.16	1
41043_1043	41043	1043	-39.9435	11.2905	0.1485	1.092	-61.062	1044.236	1
41043_1044	41043	1044	-53.5785	-48.5985	-0.0915	-5.6745	-74.6475	3082.832	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41044_1044	41044	1044	-39.9435	11.16	0.2565	1.0485	-59.283	908.994	1
41044_1045	41044	1045	-51.7725	-46.104	0.0165	-4.3515	-74.28	3200.985	1
41045_1045	41045	1045	-39.942	11.16	0.2895	1.695	-56.2155	775.3095	1
41045_1046	41045	1046	-49.593	-38.25	0.045	-3.489	-73.2945	3219.522	1
41046_1046	41046	1046	-11.028	-11.5995	-0.4125	-1.6725	-57.429	678.186	1
41046_1047	41046	1047	-51.693	-10.218	-0.0465	1.581	-74.121	3214.518	1
41047_1047	41047	1047	-11.478	-11.619	-0.399	-1.053	-62.169	817.275	1
41047_1048	41047	1048	-49.5075	-2.184	-0.0255	2.1765	-74.73	3110.705	1
41048_1048	41048	1048	-11.4765	-11.748	-0.336	-1.5285	-66.9495	956.43	1
41048_1049	41048	1049	-47.01	0.0165	0.015	2.466	-74.9625	2978.342	1
41049_1049	41049	1049	-11.478	-11.748	-0.318	0.2295	-70.9845	1097.22	1
41049_1050	41049	1050	-37.653	-18.978	0.069	1.926	-70.7595	2767.104	1
41050_1050	41050	1050	-11.4795	-11.922	-0.393	-0.5295	-74.793	1237.902	1
41050_1051	41050	1051	-32.2275	-16.0305	0.486	1.266	-59.2305	2448.884	1
41051_1051	41051	1051	-11.3775	-12.0195	-0.3765	2.205	-81.1755	1433.169	1
41051_1052	41051	1052	-29.148	-9.9975	0.4485	4.008	-54.4185	2249.067	1
41052_1052	41052	1052	-11.1795	-12.201	0.3405	-0.255	-84.3225	1532.232	1
41052_1053	41052	1053	-24.573	-7.0665	1.947	2.028	-31.0845	1945.484	1
41053_1053	41053	1053	-10.863	-12.483	0.3555	3.96	-80.1855	1679.274	1
41053_1054	41053	1054	-19.4685	-1.3605	1.5645	3.6555	-13.632	1550.42	1
41054_1054	41054	1054	-10.8495	-12.4365	-1.422	1.7535	-74.829	1845.342	1
41054_1055	41054	1055	-15.093	3.4965	-1.962	1.869	-47.469	1121.937	1
41055_1055	41055	1055	-10.7055	-12.753	-1.419	5.8665	-91.881	2001.513	1
41055_1056	41055	1056	-0.123	-3.8295	-0.174	1.5885	-29.115	736.86	1
41056_1056	41056	1056	-71.2095	33.633	0.5745	3.705	-52.407	1141.581	1
41056_1057	41056	1057	97.56	-44.052	7.8165	-0.753	-160.038	1359.222	1
41057_1057	41057	1057	-88.0875	23.1645	2.4825	3.3825	-94.8315	859.437	1
41057_1058	41057	1058	91.1025	-39.99	7.509	-1.3125	-91.794	1497.911	1
41058_1058	41058	1058	-114.971	10.3485	4.599	2.457	-122.541	717.9495	1
41058_1059	41058	1059	84.474	-35.547	7.17	-2.3325	-27.4665	1612.308	1
41059_1059	41059	1059	-113.529	5.349	2.367	2.3835	-98.235	663.5205	1
41059_1060	41059	1060	78.1305	-31.89	0.912	-1.14	-14.4435	1711.083	1
41060_1060	41060	1060	-107.873	3.7845	2.496	2.949	-81.6645	627.723	1
41060_1061	41060	1061	72.489	-26.7195	0.705	-0.3135	-4.1595	1781.684	1
41061_1061	41061	1061	-103.521	3.0825	2.6055	3.648	-62.607	600.3735	1
41061_1062	41061	1062	68.0055	-21.117	0.4695	0.918	3.0645	1826.991	1
41062_1062	41062	1062	-99.282	2.331	1.9005	2.5185	-42.588	577.9965	1
41062_1063	41062	1063	65.325	-19.872	0.2865	-0.768	6.093	1853.985	1
41063_1063	41063	1063	-96.4215	2.0685	2.0445	3.3345	-31.6605	564.6255	1
41063_1064	41063	1064	61.503	-39.267	-0.1515	-1.4985	8.646	1862.922	1
41064_1064	41064	1064	-93.339	-1.605	-2.022	-3.2565	-12.399	570.1005	1
41064_1065	41064	1065	62.5485	-34.872	-0.2115	-2.124	7.1955	1851.923	1
41065_1065	41065	1065	-98.3655	-1.9245	-1.8705	-2.379	-23.8965	580.518	1
41065_1066	41065	1066	64.335	-30.6765	-0.3765	0.009	4.3935	1822.743	1
41066_1066	41066	1066	-98.373	-2.202	-2.4885	-3.255	-35.118	592.0755	1
41066_1067	41066	1067	67.68	-28.1085	-0.6765	-1.3005	-2.8455	1775.352	1
41067_1067	41067	1067	-103.859	-2.6595	-2.397	-2.5785	-54.5205	612.8955	1
41067_1068	41067	1068	72.288	-22.965	-0.873	-0.2055	-13.0245	1703.445	1
41068_1068	41068	1068	-112.772	-3.7365	-2.4345	-2.778	-72.45	638.9895	1
41068_1069	41068	1069	77.6475	-18.2475	-0.9795	-1.359	-25.056	1604.996	1
41069_1069	41069	1069	-119.475	-5.2005	-5.043	-2.1075	-89.7165	674.0295	1
41069_1070	41069	1070	83.343	-14.9535	-7.635	1.332	-89.8245	1491.362	1
41070_1070	41070	1070	-124.158	-10.152	-4.7685	-2.4525	-115.97	729.5595	1
41070_1071	41070	1071	89.127	-10.9365	-7.8765	0.243	-158.621	1360.406	1
41071_1071	41071	1071	-96.303	-23.3565	-2.4825	-2.946	-89.772	883.0815	1
41071_1072	41071	1072	96.5595	-6.6915	-8.1075	-0.687	-245.277	1184.142	1
41072_1072	41072	1072	-18.786	12.873	1.359	-5.6985	-100.013	2201.439	1
41072_1073	41072	1073	-30.2175	-57.6285	1.9215	-4.002	-46.7625	1129.187	1
41073_1073	41073	1073	-18.1335	12.2625	1.3605	-1.9575	-84.672	2040.564	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41073_1074	41073	1074	-33.729	-52.542	2.9355	-3.687	-13.179	1571.429	1
41074_1074	41074	1074	-18.459	12.1185	-0.5175	-3.9915	-67.461	1887.002	1
41074_1075	41074	1075	-37.5855	-47.6145	-1.947	-5.7765	-30.102	1997.637	1
41075_1075	41075	1075	-18.765	11.6415	-0.4935	0.207	-74.4525	1720.215	1
41075_1076	41075	1076	-40.1745	-42.456	-2.1705	-3.7005	-53.55	2319.791	1
41076_1076	41076	1076	-18.4995	11.1975	0.201	-2.0715	-80.5545	1583.724	1
41076_1077	41076	1077	-41.658	-41.712	-0.5535	-4.8855	-59.205	2550.405	1
41077_1077	41077	1077	-18.594	11.0385	0.225	0.5865	-78.909	1497.894	1
41077_1078	41077	1078	-45.8445	-61.374	-0.5235	-6.6405	-72.399	2945.801	1
41078_1078	41078	1078	-18.594	10.95	0.2655	-0.2385	-75.573	1334.25	1
41078_1079	41078	1079	-45.7155	-58.1025	0.246	-6.9945	-70.869	3203.061	1
41079_1079	41079	1079	-18.594	10.95	0.2835	0.885	-72.579	1211.049	1
41079_1080	41079	1080	-45.2595	-50.967	0.3615	-5.6805	-67.134	3375.891	1
41080_1080	41080	1080	-17.2935	10.827	0.3915	0.642	-69.9195	1087.775	1
41080_1081	41080	1081	-44.547	-49.1835	0.126	-5.247	-66.1995	3523.065	1
41081_1081	41081	1081	-17.292	10.827	0.4065	1.4985	-65.5095	965.862	1
41081_1082	41081	1082	-43.653	-42.0735	0.2265	-3.7815	-63.807	3580.625	1
41082_1082	41082	1082	-17.292	10.7415	0.402	1.0245	-60.9255	843.9705	1
41082_1083	41082	1083	-44.562	-13.7295	-0.036	-1.26	-64.7955	3614.862	1
41083_1083	41083	1083	-17.292	10.7415	0.4305	2.2035	-56.07	713.994	1
41083_1084	41083	1084	-43.5945	-5.979	0.081	2.883	-63.4155	3564.26	1
41084_1084	41084	1084	-7.4955	-9.9105	-0.4785	-1.7205	-58.7235	827.199	1
41084_1085	41084	1085	-42.564	-4.7835	-0.2565	0.7755	-66.513	3493.319	1
41085_1085	41085	1085	-7.497	-9.9105	-0.465	-0.054	-64.1085	938.772	1
41085_1086	41085	1086	-41.3925	2.4165	-0.132	5.2365	-67.665	3332.937	1
41086_1086	41086	1086	-7.9365	-10.071	-0.3795	-1.32	-69.054	1050.422	1
41086_1087	41086	1087	-40.0905	3.84	-0.204	2.5665	-70.083	3152.75	1
41087_1087	41087	1087	-7.9365	-10.071	-0.366	0.747	-73.329	1163.793	1
41087_1088	41087	1088	-38.595	10.9515	-0.066	6.3945	-69.879	2889.785	1
41088_1088	41088	1088	-7.9395	-10.1685	-0.4935	0.354	-77.4435	1277.19	1
41088_1089	41088	1089	-30.9	-13.053	0.138	2.9535	-62.0325	2535.362	1
41089_1089	41089	1089	-8.157	-10.254	-0.4935	0.828	-84.09	1420.632	1
41089_1090	41089	1090	-28.4745	-8.781	0.1395	1.749	-59.4705	2299.622	1
41090_1090	41090	1090	-7.989	-10.296	0.417	0.2535	-88.185	1505.28	1
41090_1091	41090	1091	-24.6405	-5.916	1.965	2.6625	-34.929	1960.175	1
41091_1091	41091	1091	-8.079	-10.533	0.435	3.321	-82.5765	1628.028	1
41091_1092	41091	1092	-20.1375	-0.318	1.5765	2.982	-16.344	1527.987	1
41092_1092	41092	1092	-7.842	-10.449	-1.59	0.801	-77.0415	1767.765	1
41092_1093	41092	1093	-16.095	4.209	-2.2125	1.206	-52.254	1080.342	1
41093_1093	41093	1093	-7.5675	-10.65	-1.5765	6.3225	-96.621	1898.81	1
41093_1094	41093	1094	17.796	-9	-0.24	-1.299	-1.3995	627.9255	1
41094_1094	41094	1094	-68.313	33.195	0.54	3.291	-50.409	1121.12	1
41094_1095	41094	1095	99.2565	-44.085	7.4565	-1.2345	-151.878	1347.321	1
41095_1095	41095	1095	-83.397	22.8705	2.271	2.5995	-90.7395	843.2025	1
41095_1096	41095	1096	92.607	-39.9645	7.194	-2.4405	-86.4495	1486.307	1
41096_1096	41096	1096	-105.681	10.7565	4.4235	3.558	-116.445	698.9865	1
41096_1097	41096	1097	85.7685	-35.4165	6.6315	0.1245	-26.7315	1600.625	1
41097_1097	41097	1097	-103.064	5.4465	2.5935	2.5485	-94.368	641.25	1
41097_1098	41097	1098	79.1655	-31.782	0.843	-0.39	-14.58	1699.556	1
41098_1098	41098	1098	-97.878	3.9195	2.748	3.162	-76.0125	605.343	1
41098_1099	41098	1099	73.251	-26.493	0.624	0.759	-5.262	1769.256	1
41099_1099	41099	1099	-91.482	2.8275	2.73	3.0255	-55.3755	579.5085	1
41099_1100	41099	1100	68.478	-20.7795	0.474	-0.1845	1.6395	1812.357	1
41100_1100	41100	1100	-96.405	-1.5165	-1.626	-0.0375	7.9965	563.118	1
41100_1101	41100	1101	65.5455	-20.181	-0.126	10.962	1.893	1840.098	1
41101_1101	41101	1101	-98.676	-1.6335	-1.6305	-0.09	-1.29	572.7045	1
41101_1102	41101	1102	60.2655	-39.471	-0.507	8.727	0.735	1853.511	1
41102_1102	41102	1102	-100.301	-1.7385	-2.7945	-6.888	-10.704	582.5115	1
41102_1103	41102	1103	60.978	-35.0475	0.1275	-12.264	0.8355	1846.406	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41103_1103	41103	1103	-102.482	-1.872	-2.6475	-5.937	-27.1485	593.757	1
41103_1104	41103	1104	62.4	-30.8205	-0.0405	-8.9535	-0.5025	1820.103	1
41104_1104	41104	1104	-107.355	-2.709	-2.703	-3.4275	-42.4365	606.0615	1
41104_1105	41104	1105	65.2275	-28.746	-0.588	-1.65	-7.758	1780.091	1
41105_1105	41105	1105	-110.793	-3.033	-2.5875	-2.667	-63.7365	628.9815	1
41105_1106	41105	1106	69.2835	-23.4435	-0.801	-0.381	-18.1785	1712.463	1
41106_1106	41106	1106	-117.266	-3.8565	-2.619	-2.766	-83.64	656.193	1
41106_1107	41106	1107	74.07	-18.576	-0.9285	-1.3365	-30.726	1615.472	1
41107_1107	41107	1107	-124.581	-5.5275	-4.608	-2.2845	-101.942	690.7365	1
41107_1108	41107	1108	79.254	-15.222	-7.1205	0.93	-92.4105	1501.797	1
41108_1108	41108	1108	-128.252	-8.8875	-4.497	-2.4645	-128.868	740.832	1
41108_1109	41108	1109	84.3885	-11.061	-7.3575	-0.084	-158.097	1368.075	1
41109_1109	41109	1109	-99.2235	-22.359	-2.367	-2.5725	-97.9395	870.9105	1
41109_1110	41109	1110	90.9945	-6.654	-7.605	-0.4515	-241.101	1187.366	1
41110_1110	41110	1110	-22.0905	13.923	1.6755	-6.6225	-123.396	2227.238	1
41110_1111	41110	1111	-32.6595	-56.6835	2.2725	-4.416	-59.4165	1147.263	1
41111_1111	41111	1111	-22.257	13.3155	1.7115	-0.6105	-103.058	2052.516	1
41111_1112	41111	1112	-36.873	-51.396	3.3105	-2.769	-23.6775	1573.635	1
41112_1112	41112	1112	-22.0665	13.083	-0.27	-3.81	-82.251	1886.297	1
41112_1113	41112	1113	-41.571	-46.374	-1.6845	-5.4795	-39.642	1977.863	1
41113_1113	41113	1113	-22.389	12.522	-0.2415	0.5355	-85.9575	1708.934	1
41113_1114	41113	1114	-45.144	-41.0445	-1.818	-3.5415	-60.1875	2275.175	1
41114_1114	41114	1114	-22.5855	12.2445	0.4845	-2.9505	-88.7325	1561.898	1
41114_1115	41114	1115	-47.448	-40.1655	-0.324	-6.552	-63.972	2477.882	1
41115_1115	41115	1115	-22.6905	12.0465	0.534	1.005	-84.762	1461.923	1
41115_1116	41115	1116	-51.4155	-31.8615	-0.2535	-2.8125	-69.7365	2772.368	1
41116_1116	41116	1116	-21.756	11.8425	0.465	0.018	-77.5125	1284.164	1
41116_1117	41116	1117	-56.6745	-56.1225	0.45	-6.399	-68.5455	2973.081	1
41117_1117	41117	1117	-21.7545	11.8425	0.4845	1.041	-72.2805	1150.917	1
41117_1118	41117	1118	-57.2685	-48.708	0.576	-5.418	-61.9965	3108.26	1
41118_1118	41118	1118	-21.7545	11.715	0.5475	0.45	-66.831	1017.674	1
41118_1119	41118	1119	-57.5325	-47.1315	0.369	-6.1815	-57.6765	3224.22	1
41119_1119	41119	1119	-21.753	11.715	0.585	2.01	-60.6705	885.7335	1
41119_1120	41119	1120	-57.222	-13.8525	0.492	1.047	-52.7835	3257.222	1
41120_1120	41120	1120	-21.753	11.6385	0.5565	1.5105	-54.084	753.915	1
41120_1121	41120	1121	-57.522	-12.192	0.2835	0.7275	-48.9945	3274.166	1
41121_1121	41121	1121	-21.753	11.6385	0.5745	2.01	-47.349	613.0725	1
41121_1122	41121	1122	-57.5055	-4.125	0.3615	1.536	-43.722	3187.491	1
41122_1122	41122	1122	-20.9295	-6.957	-0.1845	-0.9795	-34.302	512.787	1
41122_1123	41122	1123	-57.2265	-2.9865	0.093	2.751	-42.42	3085.155	1
41123_1123	41123	1123	-20.9295	-6.957	-0.1665	-0.4605	-36.3855	591.1365	1
41123_1124	41123	1124	-56.709	4.494	0.1725	3.69	-39.9825	2893.775	1
41124_1124	41124	1124	-20.9295	-7.095	-0.1335	-0.924	-38.259	669.4155	1
41124_1125	41124	1125	-55.9065	5.871	-0.072	3.1665	-41.0025	2685.534	1
41125_1125	41125	1125	-20.9295	-7.095	-0.096	0.4005	-39.756	749.31	1
41125_1126	41125	1126	-50.3835	-13.962	0.147	2.5545	-38.2815	2399.988	1
41126_1126	41126	1126	-20.9295	-7.2705	-0.0225	-0.2445	-40.836	829.134	1
41126_1127	41126	1127	-46.2645	-10.692	0.882	1.6755	-25.299	2071.004	1
41127_1127	41127	1127	-21.2655	-7.4685	0.0045	1.1445	-40.614	925.1385	1
41127_1128	41127	1128	-43.212	-6.768	0.9015	2.643	-17.916	1836.783	1
41128_1128	41128	1128	-21.1395	-7.9335	0.4365	-0.369	-40.6125	986.7435	1
41128_1129	41128	1129	-38.214	-4.617	2.0355	1.497	4.7655	1525.911	1
41129_1129	41129	1129	-21.018	-8.4825	0.483	2.946	-35.193	1086.833	1
41129_1130	41129	1130	-32.0295	0.639	1.707	3.0375	21.1395	1145.874	1
41130_1130	41130	1130	60.8025	-40.8315	2.415	-6.546	-27.165	1463.48	1
41130_1131	41130	1131	-26.1615	4.767	-3.078	1.2585	-29.7255	749.3955	1
41131_1131	41131	1131	62.394	-47.745	3.1785	-6.0015	7.695	2030.075	1
41131_1132	41131	1132	22.8105	-9.309	-0.462	-0.5925	-31.5015	823.1205	1
41132_1132	41132	1132	-55.9065	39.9495	-1.197	6.585	21.0345	1066.632	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41132_1133	41132	1133	102.9555	-46.9305	6.8115	6.813	-125.276	1098.518	1
41133_1133	41133	1133	-60.729	31.116	0.033	5.715	-13.4775	712.7205	1
41133_1134	41133	1134	95.0775	-42.3525	6.8625	4.197	-66.396	1275.176	1
41134_1134	41134	1134	-103.016	4.359	-4.233	-10.9695	51.63	678.636	1
41134_1135	41134	1135	87.0045	-37.488	8.079	-14.814	1.614	1412.478	1
41135_1135	41135	1135	-103.068	3.2805	-1.224	-2.8785	18.8235	645.018	1
41135_1136	41135	1136	79.4835	-34.7085	-0.0105	0.4845	3.9375	1542.425	1
41136_1136	41136	1136	-106.28	3.195	-1.377	-3.7125	9.9075	618.8145	1
41136_1137	41136	1137	72.4545	-28.9905	0.0315	-2.3775	5.778	1637.76	1
41137_1137	41137	1137	-108.657	3.1245	-1.2585	-3.015	-0.6045	593.3055	1
41137_1138	41137	1138	56.31	-44.574	-0.3135	-3.1335	5.352	1710.02	1
41138_1138	41138	1138	-108.66	2.6655	-1.203	-2.466	-10.6785	568.3275	1
41138_1139	41138	1139	55.2495	-43.4715	-0.1395	-2.199	4.107	1760.244	1
41139_1139	41139	1139	-110.393	2.5875	-1.02	-1.5465	-17.628	552.369	1
41139_1140	41139	1140	54.819	-38.457	-0.2445	0.111	1.92	1779.671	1
41140_1140	41140	1140	-112.656	2.487	-1.023	-1.575	-23.4225	537.399	1
41140_1141	41140	1141	54.9915	-33.5505	-0.2505	-0.5145	-0.45	1767.977	1
41141_1141	41141	1141	-115.59	2.319	-1.2165	-2.484	-29.112	522.7815	1
41141_1142	41141	1142	55.923	-28.8975	-0.168	-3.789	-2.376	1734.791	1
41142_1142	41142	1142	-117.717	1.9005	-1.353	-1.263	-36.0915	509.4075	1
41142_1143	41142	1143	58.1385	-26.262	-0.273	1.233	-6.1935	1679.382	1
41143_1143	41143	1143	-123.804	1.3695	-1.386	-1.3335	-46.0515	496.296	1
41143_1144	41143	1144	61.6035	-20.5365	-0.33	0.408	-11.3145	1592.684	1
41144_1144	41144	1144	-55.7175	-3.8265	1.179	1.869	27.669	491.9145	1
41144_1145	41144	1145	65.7915	-15.2895	-0.306	-2.1975	-16.755	1472.618	1
41145_1145	41145	1145	-52.65	-4.3215	2.7495	2.856	35.8695	522.9885	1
41145_1146	41145	1146	70.5585	-11.811	-6.1515	2.1225	-68.148	1335.99	1
41146_1146	41146	1146	-102.947	-18.7605	-1.524	-2.4825	-48.9255	578.919	1
41146_1147	41146	1147	75.123	-7.3335	-6.2775	1.1745	-121.761	1177.323	1
41147_1147	41147	1147	-85.6545	-26.4615	-0.5055	-2.8575	-36.5625	775.44	1
41147_1148	41147	1148	80.991	-2.598	-6.3615	-0.528	-187.601	951.447	1
41148_1148	41148	1148	94.896	49.842	-3.9285	6.5925	82.3155	2156.664	1
41148_1149	41148	1149	-48.768	-54.933	1.656	-2.526	-33.207	941.556	1
41149_1149	41149	1149	-46.869	15.654	1.011	-0.7425	-61.2975	1734.63	1
41149_1150	41149	1150	-56.2065	-49.539	2.6415	-2.532	-0.972	1315.218	1
41150_1150	41150	1150	-47.229	14.4105	-0.168	-2.103	-48.504	1538.493	1
41150_1151	41150	1151	-64.1025	-44.6985	-1.6365	-3.8085	-11.4105	1663.907	1
41151_1151	41151	1151	-47.2275	13.1775	-0.1215	0.21	-51.4065	1332.189	1
41151_1152	41151	1152	-70.3815	-39.5415	-1.8105	-3.489	-28.2435	1900.059	1
41152_1152	41152	1152	-47.4435	12.2085	0.2235	-0.2805	-52.8165	1177.245	1
41152_1153	41152	1153	-74.4885	-39.075	-0.747	-2.412	-33.3795	2074.295	1
41153_1153	41153	1153	-47.5455	11.8035	0.234	0.375	-50.979	1071.711	1
41153_1154	41153	1154	-80.673	-31.059	-0.8685	-3.426	-44.5275	2296.686	1
41154_1154	41154	1154	-47.448	11.4945	0.3	0.435	-47.835	909.528	1
41154_1155	41154	1155	-84.6555	-28.728	0.096	-1.989	-44.3715	2460.837	1
41155_1155	41155	1155	-47.4465	11.4945	0.3435	1.146	-44.5335	783.06	1
41155_1156	41155	1156	-87.3255	-21.066	0.162	-1.3725	-42.7305	2560.872	1
41156_1156	41156	1156	-47.448	11.3325	0.3375	0.9555	-40.7595	656.604	1
41156_1157	41156	1157	-88.986	-19.5705	0.066	-0.5145	-42.6555	2631.546	1
41157_1157	41157	1157	-47.448	11.3325	0.384	1.4865	-37.3725	543.03	1
41157_1158	41157	1158	-89.796	-12.3795	0.1305	0.6	-41.499	2635.304	1
41158_1158	41158	1158	-47.0445	11.2575	0.2625	1.305	-33.63	429.6045	1
41158_1159	41158	1159	-89.9055	-10.8165	-0.057	1.173	-42.843	2624.021	1
41159_1159	41159	1159	-39.615	-9.954	-0.2745	-0.8145	-36.4725	490.788	1
41159_1160	41159	1160	-85.272	-28.374	-0.051	-0.8925	-43.692	2547.693	1
41160_1160	41160	1160	-39.615	-10.1325	-0.3255	-0.7005	-39.222	590.454	1
41160_1161	41160	1161	-82.0305	-26.157	-0.192	0.792	-45.7935	2441.75	1
41161_1161	41161	1161	-39.7245	-10.134	-0.324	-0.7005	-42.723	701.9415	1
41161_1162	41161	1162	-77.658	-19.0605	-0.177	-0.5565	-47.256	2271.765	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41162_1162	41162	1162	-39.729	-10.389	-0.078	-0.132	-46.2945	813.444	1
41162_1163	41162	1163	-70.812	-14.988	0.945	1.953	-33.213	2031.302	1
41163_1163	41163	1163	-39.639	-10.725	-0.087	0.0465	-47.376	959.0475	1
41163_1164	41163	1164	-65.865	-10.812	0.8175	0.84	-27.003	1856.427	1
41164_1164	41164	1164	-39.4635	-11.5725	0.234	0.2385	-48.1065	1047.54	1
41164_1165	41164	1165	-58.1295	-8.2425	1.6665	2.403	-9.9195	1591.628	1
41165_1165	41165	1165	-39.459	-12.597	0.246	1.5165	-44.73	1193.936	1
41165_1166	41165	1166	-48.795	-2.7045	1.2735	1.4805	0.5115	1250.619	1
41166_1166	41166	1166	-39.102	-13.644	-0.882	0.8445	-41.5395	1361.066	1
41166_1167	41166	1167	-39.9075	1.932	-1.656	1.083	-31.8315	871.743	1
41167_1167	41167	1167	94.293	-40.4685	3.0945	-5.5155	25.458	1653.278	1
41167_1168	41167	1168	47.109	-6.699	-0.243	-0.5685	-6.6495	699.5625	1
41168_1168	41168	1168	-65.6445	39.795	-1.098	3.987	12.444	1109.526	1
41168_1169	41168	1169	81.264	-47.7435	6.402	-0.7155	-121.362	1144.65	1
41169_1169	41169	1169	-76.1535	30.3105	0.036	3.5955	-22.8885	760.3935	1
41169_1170	41169	1170	76.3155	-43.344	6.2445	-2.5545	-67.3125	1319.172	1
41170_1170	41170	1170	-89.4615	22.389	1.002	2.763	-37.6575	562.062	1
41170_1171	41170	1171	71.1735	-38.508	6.024	-3.4575	-15.3825	1456.263	1
41171_1171	41171	1171	-55.005	3.588	-1.341	-1.947	30.3375	530.5695	1
41171_1172	41171	1172	66.5445	-34.5045	0.5235	0.9225	-8.004	1575.833	1
41172_1172	41172	1172	-58.4085	3.4815	-1.443	-2.661	20.61	502.284	1
41172_1173	41172	1173	62.4735	-28.854	0.5235	-2.034	-1.3005	1663.317	1
41173_1173	41173	1173	-58.455	3.48	-1.3695	-2.0565	9.084	474.4785	1
41173_1174	41173	1174	59.5935	-22.719	0.3435	-0.867	3.093	1720.785	1
41174_1174	41174	1174	-64.503	2.7465	-1.002	-1.272	-0.969	446.8125	1
41174_1175	41174	1175	58.14	-21.438	0.009	2.6475	3.462	1755.309	1
41175_1175	41175	1175	-64.545	2.745	-1.1085	-1.989	-6.972	430.3275	1
41175_1176	41175	1176	57.4095	-16.5825	0.099	-1.02	4.2675	1768.92	1
41176_1176	41176	1176	-91.446	-1.8225	0.978	1.7775	-13.671	428.4375	1
41176_1177	41176	1177	57.2595	-11.622	-0.003	1.245	4.3815	1751.748	1
41177_1177	41177	1177	-91.1415	-1.8375	0.978	1.773	-7.845	439.3755	1
41177_1178	41177	1178	65.4705	-29.0985	-0.093	-1.6485	2.6715	1714.976	1
41178_1178	41178	1178	-91.152	-2.313	1.3125	2.0925	-1.977	450.4215	1
41178_1179	41178	1179	70.257	-26.3085	-0.48	-0.7335	-2.0535	1656.072	1
41179_1179	41179	1179	-85.59	-2.5215	1.3785	2.586	7.251	470.3745	1
41179_1180	41179	1180	76.1655	-20.673	-0.651	0.381	-9.0795	1567.313	1
41180_1180	41180	1180	-85.59	-2.5215	1.3785	2.586	18.2805	490.551	1
41180_1181	41180	1181	82.665	-15.507	-0.726	-0.5235	-17.3805	1446.854	1
41181_1181	41181	1181	-85.305	-2.9805	2.9505	3.1485	29.19	510.7845	1
41181_1182	41181	1182	89.5635	-11.8755	-6.1425	2.742	-68.4885	1309.734	1
41182_1182	41182	1182	-76.4235	-22.4205	-0.9375	-2.5755	-36.8835	550.8855	1
41182_1183	41182	1183	96.0975	-7.5195	-6.2565	1.8195	-121.452	1153.058	1
41183_1183	41183	1183	-65.592	-31.2405	0.0855	-3.7815	-19.107	767.0475	1
41183_1184	41183	1184	104.172	-2.9205	-6.246	-0.846	-185.478	930.072	1
41184_1184	41184	1184	70.7835	55.284	-3.792	7.719	68.5425	2303.694	1
41184_1185	41184	1185	-35.2575	-57.7425	1.5225	-1.968	-30.333	811.359	1
41185_1185	41185	1185	69.258	46.8975	-3.009	5.109	18.006	1658.87	1
41185_1186	41185	1186	-40.3125	-52.527	2.451	-3.234	1.1595	1215.348	1
41186_1186	41186	1186	-22.665	10.494	-0.2535	-1.5165	-42.495	1277.733	1
41186_1187	41186	1187	-45.834	-47.3655	-1.7355	-3.099	-9.5805	1604.723	1
41187_1187	41187	1187	-22.9245	9.915	-0.255	-0.342	-45.888	1132.443	1
41187_1188	41187	1188	-50.277	-42.0165	-1.9905	-4.047	-27.429	1894.073	1
41188_1188	41188	1188	-22.9635	9.306	0.096	-0.0375	-49.0485	1015.892	1
41188_1189	41188	1189	-53.2425	-41.067	-1.0515	-2.1	-34.629	2099.972	1
41189_1189	41189	1189	-23.0415	9.111	0.0855	-0.0765	-48.252	935.391	1
41189_1190	41189	1190	-57.93	-33.066	-1.2735	-4.7085	-50.9715	2376.378	1
41190_1190	41190	1190	-22.5045	8.871	0.2475	1.047	-47.5395	810.1515	1
41190_1191	41190	1191	-64.767	-55.401	-0.273	-4.2885	-53.934	2600.537	1
41191_1191	41191	1191	-22.5045	8.871	0.2265	0.399	-44.8185	712.551	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41191_1192	41191	1192	-65.412	-47.6685	-0.366	-8.259	-57.639	2737.7	1
41192_1192	41192	1192	-22.5045	8.709	0.249	0.9555	-42.3225	614.958	1
41192_1193	41192	1193	-65.4585	-45.453	-0.147	-4.656	-59.01	2838.516	1
41193_1193	41193	1193	-22.5045	8.709	0.27	1.4775	-39.8085	526.887	1
41193_1194	41193	1194	-64.959	-38.3745	-0.108	-3.642	-59.8605	2862.984	1
41194_1194	41194	1194	-19.617	-11.862	-0.528	-1.6425	-49.6815	575.0505	1
41194_1195	41194	1195	-63.945	-36.4545	-0.4185	-1.1145	-64.056	2866.997	1
41195_1195	41195	1195	-19.617	-11.862	-0.528	-1.6425	-55.0185	695.0055	1
41195_1196	41195	1196	-62.2965	-29.6385	-0.429	-2.706	-68.058	2802.641	1
41196_1196	41196	1196	-20.763	-12.135	-0.4845	-0.501	-59.9205	815.0445	1
41196_1197	41196	1197	-59.8665	-26.937	-0.1335	2.5845	-68.856	2701.695	1
41197_1197	41197	1197	-20.763	-12.135	-0.504	-1.3815	-65.2575	948.561	1
41197_1198	41197	1198	-56.559	-20.046	-0.2115	-1.458	-69.906	2537.079	1
41198_1198	41198	1198	-21.2865	-12.5565	-0.1425	-0.033	-70.4835	1081.985	1
41198_1199	41198	1199	-51.3675	-15.807	1.104	2.7105	-52.4565	2297.355	1
41199_1199	41199	1199	-21.18	-12.735	-0.1485	0.234	-72.453	1259.736	1
41199_1200	41199	1200	-47.5815	-11.622	0.9555	1.581	-44.2905	2128.233	1
41200_1200	41200	1200	-20.976	-13.335	0.168	0.7845	-73.68	1364.798	1
41200_1201	41200	1201	-41.742	-8.5305	1.4805	3.513	-28.3785	1851.743	1
41201_1201	41201	1201	-20.6325	-13.8615	0.1695	2.6985	-71.6505	1528.214	1
41201_1202	41201	1202	-34.827	-2.9055	1.131	2.5965	-17.9595	1490.88	1
41202_1202	41202	1202	-20.2455	-14.382	-1.2465	2.9205	-69.429	1711.974	1
41202_1203	41202	1203	-28.3785	1.9365	-1.755	2.715	-48.8775	1087.004	1
41203_1203	41203	1203	-19.8675	-14.8995	-1.2465	5.1165	-84.9615	1892.276	1
41203_1204	41203	1204	3.795	-3.876	-0.1155	1.4925	-39.6405	721.248	1
41204_1204	41204	1204	-73.2945	37.155	-0.003	5.4375	-26.667	1193.103	1
41204_1205	41204	1205	86.5905	-45.078	7.323	0.237	-158.724	1286.274	1
41205_1205	41205	1205	-85.872	28.734	1.2975	3.7755	-60.4995	859.356	1
41205_1206	41205	1206	81.2325	-41.0355	7.185	-3.7485	-93.978	1440.558	1
41206_1206	41206	1206	-105.159	19.6155	2.8275	2.553	-78.4335	673.779	1
41206_1207	41206	1207	75.771	-36.5865	6.885	-4.755	-32.2935	1554.482	1
41207_1207	41207	1207	-125.48	6.9645	2.289	2.7045	-81.426	565.6485	1
41207_1208	41207	1208	70.8705	-32.8215	1.293	-0.804	-16.3155	1653.758	1
41208_1208	41208	1208	-119.268	3.927	2.5155	2.9655	-66.825	523.5555	1
41208_1209	41208	1209	66.5115	-27.594	1.0605	0.06	-3.3315	1725.231	1
41209_1209	41209	1209	-112.103	2.64	2.4915	2.757	-47.784	498.2655	1
41209_1210	41209	1210	63.3705	-21.9195	0.8865	-1.089	6.909	1772.303	1
41210_1210	41210	1210	-102.273	1.2195	1.62	2.673	-28.986	481.647	1
41210_1211	41210	1211	61.758	-20.4705	0.21	0.5685	8.9835	1800.518	1
41211_1211	41211	1211	-100.793	1.107	1.7865	3.4305	-19.3905	474.3345	1
41211_1212	41211	1212	60.876	-15.966	0.0555	2.823	9.8235	1810.284	1
41212_1212	41212	1212	-96.4935	0.7935	1.7715	3.321	-9.1005	469.0905	1
41212_1213	41212	1213	65.601	-34.8465	-0.24	-1.179	7.0875	1799.649	1
41213_1213	41213	1213	-90.927	0.4755	1.602	2.4405	0.858	464.553	1
41213_1214	41213	1214	68.5065	-30.5625	-0.183	-4.6245	5.0655	1772.48	1
41214_1214	41214	1214	-87.222	-1.6635	-2.4435	-2.184	-37.059	471.7605	1
41214_1215	41214	1215	73.3245	-27.6195	-1.1805	1.3125	-6.378	1724.441	1
41215_1215	41215	1215	-95.1825	-2.6925	-2.5995	-2.994	-55.713	488.142	1
41215_1216	41215	1216	79.29	-22.3935	-1.2285	-1.9425	-19.9095	1652.441	1
41216_1216	41216	1216	-99.7695	-3.6105	-2.481	-2.496	-75.513	512.6595	1
41216_1217	41216	1217	85.8735	-17.598	-1.47	-1.029	-36.468	1552.623	1
41217_1217	41217	1217	-107.43	-7.296	-4.4355	-1.62	-88.539	556.149	1
41217_1218	41217	1218	92.928	-14.0955	-6.96	3.021	-96.6405	1437.477	1
41218_1218	41218	1218	-91.3545	-19.4895	-2.871	-3.099	-82.8225	665.3625	1
41218_1219	41218	1219	99.6015	-10.035	-7.1715	1.773	-160.032	1304.945	1
41219_1219	41219	1219	-75.9195	-28.626	-1.3515	-4.0905	-64.2945	870.3255	1
41219_1220	41219	1220	107.883	-5.7075	-7.386	-0.6015	-239.69	1105.584	1
41220_1220	41220	1220	61.9005	56.193	-4.251	7.0365	112.035	2207.015	1
41220_1221	41220	1221	-27.0375	-58.2915	1.962	-6.9645	-44.7915	1033.436	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41221_1221	41221	1221	-10.947	11.31	1.8765	0.5235	-83.007	1808.472	1
41221_1222	41221	1222	-30.9045	-53.436	3.213	-3.507	-7.7805	1462.484	1
41222_1222	41222	1222	-10.5195	11.6925	-0.432	-5.703	-60.381	1666.848	1
41222_1223	41222	1223	-35.4	-48.0525	-1.803	-8.7885	-20.439	1871.324	1
41223_1223	41223	1223	-10.5045	11.4075	-0.3795	1.92	-66.84	1508.409	1
41223_1224	41223	1224	-39.2475	-43.0335	-1.8675	-3.12	-39.081	2182.878	1
41224_1224	41224	1224	-10.6875	11.574	0.294	-3.522	-71.1975	1374.209	1
41224_1225	41224	1225	-41.931	-41.019	-1.0215	-8.7945	-46.668	2395.476	1
41225_1225	41225	1225	-10.782	11.4855	0.333	1.7085	-68.799	1278.743	1
41225_1226	41225	1226	-53.67	-60.8625	-1.0545	-7.401	-67.2855	2753.682	1
41226_1226	41226	1226	-10.269	11.544	0.3495	-1.446	-63.63	1090.118	1
41226_1227	41226	1227	-55.9035	-53.964	-0.003	-13.0815	-67.986	2979.731	1
41227_1227	41227	1227	-10.266	11.544	0.399	3.1695	-59.319	947.6625	1
41227_1228	41227	1228	-57.426	-45.9075	0.279	-1.629	-64.5	3102.378	1
41228_1228	41228	1228	-10.083	11.541	0.324	0.54	-54.4575	805.158	1
41228_1229	41228	1229	-58.2405	-41.64	-0.216	-8.0565	-66.924	3166.91	1
41229_1229	41229	1229	-25.068	-13.389	-0.3435	-1.7085	-52.2645	694.5555	1
41229_1230	41229	1230	-57.522	-7.5405	0.009	3.8535	-66.8175	3128.234	1
41230_1230	41230	1230	-26.052	-13.5315	0.1305	-3.687	-56.232	859.578	1
41230_1231	41230	1231	-58.311	-3.075	0.6	-0.279	-59.8725	3036.516	1
41231_1231	41231	1231	-26.0505	-13.5315	0.216	-0.339	-54.618	1026.468	1
41231_1232	41231	1232	-55.896	-22.194	0.8565	2.7045	-45.8385	2853.833	1
41232_1232	41232	1232	-26.055	-13.7415	0.4185	-4.1625	-51.9585	1192.914	1
41232_1233	41232	1233	-53.745	-19.452	1.683	-3.3225	-27.6135	2689.643	1
41233_1233	41233	1233	-26.0535	-13.7415	0.501	0.069	-47.8185	1328.745	1
41233_1234	41233	1234	-50.388	-13.434	1.7475	2.7075	-6.426	2448.455	1
41234_1234	41234	1234	-25.9965	-13.845	0.6195	6.957	-42.0345	1487.007	1
41234_1235	41234	1235	-49.275	-12.0735	1.9245	12.8115	-0.6525	2373.975	1
41235_1235	41235	1235	-25.674	-14.2665	-1.134	-1.59	-40.158	1530.069	1
41235_1236	41235	1236	-46.2735	-10.7415	-2.3085	0.792	-18.75	2209.728	1
41236_1236	41236	1236	-25.704	-14.2155	-1.0815	1.674	-48.201	1632.014	1
41236_1237	41236	1237	-42.3915	-6.21	-2.067	3.2745	-40.4175	1956.651	1
41237_1237	41237	1237	-25.893	-14.82	-1.0095	7.4415	-57.9525	1780.887	1
41237_1238	41237	1238	-40.209	-5.0865	-1.8645	7.6005	-49.101	1842.663	1
41238_1238	41238	1238	-25.9635	-16.9725	4.881	0.1035	-63.1185	1850.886	1
41238_1239	41238	1239	-35.7285	-5.376	7.707	0.6	34.6425	1571.171	1
41239_1239	41239	1239	-26.292	-17.613	4.947	6.213	-9.6165	2034.011	1
41239_1240	41239	1240	-30.5715	-1.026	7.641	2.1945	119.1225	1250.022	1
41240_1240	41240	1240	-24.012	-24.663	-9.7485	23.6265	46.53	2227.796	1
41240_1241	41240	1241	-22.359	-6.366	-13.038	25.989	-38.775	966.63	1
41241_1241	41241	1241	-105.534	30.879	-1.182	-2.187	-50.4855	1302.705	1
41241_1242	41241	1242	97.533	-34.779	-5.5545	-24.7215	-146.405	1577.579	1
41242_1242	41242	1242	-117.563	26.0925	-1.872	-4.8375	-88.3245	1028.253	1
41242_1243	41242	1243	95.562	-33.2205	-5.5785	-23.034	-162.195	1608.641	1
41243_1243	41243	1243	-124.883	22.578	3.3165	3.303	-109.182	951.747	1
41243_1244	41243	1244	89.064	-34.617	7.6485	-3.0345	-84.1095	1719.966	1
41244_1244	41244	1244	-140.301	11.862	5.5305	4.896	-110.564	798.057	1
41244_1245	41244	1245	83.3925	-29.2185	7.086	0.624	-1.245	1810.607	1
41245_1245	41245	1245	-132.279	7.2525	2.0535	3.696	-57.189	697.23	1
41245_1246	41245	1246	79.4505	-24.867	1.407	-1.9605	17.1885	1874.459	1
41246_1246	41246	1246	-121.968	5.217	2.502	5.3265	-37.941	635.448	1
41246_1247	41246	1247	76.752	-18.7635	1.0755	2.214	31.2645	1911.164	1
41247_1247	41247	1247	-115.103	4.0335	1.215	4.32	-13.6605	588.0975	1
41247_1248	41247	1248	79.386	-39.9615	0.1875	-3.7515	33.5085	1920.677	1
41248_1248	41248	1248	-91.6395	-3.579	-1.266	-3.9525	-24.126	596.8755	1
41248_1249	41248	1249	83.952	-33.2685	0.084	-2.0205	32.2635	1904.15	1
41249_1249	41249	1249	-95.964	-4.1145	-2.8905	-5.0715	-36.7875	636.5355	1
41249_1250	41249	1250	90.4065	-27.885	-4.779	-4.887	-20.7765	1851.692	1
41250_1250	41250	1250	-103.845	-5.5095	-2.553	-2.676	-65.949	685.4865	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41250_1251	41250	1251	97.3095	-22.8135	-5.004	0.4575	-70.0395	1778.222	1
41251_1251	41251	1251	-110.156	-7.806	-4.203	-4.7385	-87.378	743.658	1
41251_1252	41251	1252	105.6015	-22.6365	-3.1935	-3.8235	-102.926	1721.744	1
41252_1252	41252	1252	-115.478	-12.009	-3.894	-2.6985	-120.599	841.0575	1
41252_1253	41252	1253	114.9975	-16.815	-4.314	-0.522	-158.544	1609.098	1
41253_1253	41253	1253	-100.806	-23.2005	-3.2895	-4.4115	-111.431	1037.891	1
41253_1254	41253	1254	117.7065	-15.285	-4.4475	-2.1945	-176.901	1566.969	1
41254_1254	41254	1254	-96.99	-26.4555	2.109	12.2685	-110.003	1114.589	1
41254_1255	41254	1255	122.496	-18.699	3.861	40.743	-160.847	1529.282	1
41255_1255	41255	1255	-13.545	18.3435	8.0115	-19.3095	-104.685	2413.271	1
41255_1256	41255	1256	-24.8235	-51.2475	9.207	-19.5165	2.7255	1178.826	1
41256_1256	41256	1256	-13.812	18.129	8.0415	-14.2065	-40.443	2264.628	1
41256_1257	41256	1257	-26.73	-48.507	10.1205	-19.254	74.2935	1379.366	1
41257_1257	41257	1257	-14.067	14.2245	-0.453	-6.6945	17.1255	2133.171	1
41257_1258	41257	1258	-30.0075	-52.068	-0.9315	-5.181	68.232	1708.31	1
41258_1258	41258	1258	-14.3715	13.9185	-0.4095	-1.1445	12	1985.675	1
41258_1259	41258	1259	-33.8955	-47.2785	-0.246	-4.2495	73.89	2074.245	1
41259_1259	41259	1259	-13.6905	14.1405	-3.1395	-3.9555	4.7955	1803.369	1
41259_1260	41259	1260	-36.426	-43.797	-6.2685	-7.1805	18.7545	2337.842	1
41260_1260	41260	1260	-13.92	13.9215	-3.108	0.1815	-28.4055	1654.223	1
41260_1261	41260	1261	-39.252	-39.819	-6.564	-4.218	-40.431	2561.951	1
41261_1261	41261	1261	-14.0445	13.7985	-3.1005	1.149	-57.774	1524.032	1
41261_1262	41261	1262	-40.0455	-38.5695	-6.642	-3.8655	-61.773	2637.546	1
41262_1262	41262	1262	-14.124	14.043	0.48	-2.4075	-67.596	1480.136	1
41262_1263	41262	1263	-44.0145	-34.059	0.1215	-8.682	-62.562	2863.418	1
41263_1263	41263	1263	-14.1225	14.043	0.5295	2.229	-62.253	1324.052	1
41263_1264	41263	1264	-53.4885	-54.675	0.3795	-5.4945	-62.5635	3053.255	1
41264_1264	41264	1264	-14.1165	13.8645	0.318	-0.4455	-55.9275	1156.361	1
41264_1265	41264	1265	-55.6605	-50.2515	0.2025	-10.6305	-61.023	3206.07	1
41265_1265	41265	1265	-13.827	13.851	0.3705	3.129	-52.365	995.964	1
41265_1266	41265	1266	-57.327	-43.149	0.4425	-1.719	-56.0055	3274.184	1
41266_1266	41266	1266	-13.8255	13.68	0.3345	1.3725	-48.111	836.8935	1
41266_1267	41266	1267	-55.5855	-12.0735	0.3465	-1.815	-52.347	3288.929	1
41267_1267	41267	1267	-40.971	-13.422	0.162	-2.0475	-39.4605	733.287	1
41267_1268	41267	1268	-57.2865	-4.9635	0.585	4.05	-44.4405	3224.567	1
41268_1268	41268	1268	-40.971	-13.416	0.24	-3.732	-37.614	885.891	1
41268_1269	41268	1269	-58.5675	0.558	0.9585	0.2655	-29.502	3082.055	1
41269_1269	41269	1269	-40.9695	-13.416	0.3735	-0.273	-34.4775	1060.979	1
41269_1270	41269	1270	-57.7095	-20.322	1.4145	3.702	-5.067	2884.625	1
41270_1270	41270	1270	-40.971	-13.224	-1.962	-3.2175	-30.1935	1214.616	1
41270_1271	41270	1271	-56.205	-16.6875	-4.8075	-1.3035	-48.3495	2702.825	1
41271_1271	41271	1271	-40.977	-13.224	-1.857	0.1995	-48.177	1335.824	1
41271_1272	41271	1272	-53.5365	-11.328	-4.2645	3.2865	-92.3715	2445.648	1
41272_1272	41272	1272	-40.9155	-13.4265	-1.7535	4.23	-68.88	1484.994	1
41272_1273	41272	1273	-52.3155	-9.7155	-3.954	8.6865	-105.495	2341.187	1
41273_1273	41273	1273	-40.7325	-15.9645	-0.222	-2.2395	-76.257	1541.13	1
41273_1274	41273	1274	-49.485	-13.4235	1.071	-0.294	-88.7055	2187.476	1
41274_1274	41274	1274	-40.5195	-16.4985	-0.162	1.215	-77.976	1668.101	1
41274_1275	41274	1275	-46.4805	-10.128	0.753	2.556	-77.292	2010.23	1
41275_1275	41275	1275	-40.428	-17.01	0.0045	8.8215	-78.4275	1806.971	1
41275_1276	41275	1276	-44.694	-8.6895	0.7305	9.9795	-72.435	1919.307	1
41276_1276	41276	1276	-39.927	-20.4495	11.91	0.2175	-78.8025	1878.152	1
41276_1277	41276	1277	-39.222	-8.367	14.3925	1.0215	99	1649.825	1
41277_1277	41277	1277	-39.39	-21.378	12.069	6.954	61.89	2118.603	1
41277_1278	41277	1278	-33.0765	-3.006	13.713	2.472	269.8245	1286.315	1
41278_1278	41278	1278	-38.133	-29.928	-22.7655	34.3545	219.615	2391.924	1
41278_1279	41278	1279	-27.411	-8.7405	-22.7115	35.067	37.6155	1052.729	1
41279_1279	41279	1279	-115.169	32.2245	-5.124	-2.949	-16.812	1336.391	1
41279_1280	41279	1280	84.276	-34.236	-11.733	-22.4745	-103.844	1615.871	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41280_1280	41280	1280	-131.787	27.3915	-6.9585	-5.6805	-84.2565	1046.145	1
41280_1281	41280	1281	81.5925	-31.713	-11.3415	-20.904	-161.685	1650.96	1
41281_1281	41281	1281	-147.953	22.9545	5.7285	1.5045	-146.135	952.503	1
41281_1282	41281	1282	76.296	-28.3485	5.8725	-2.5785	-70.554	1691.288	1
41282_1282	41282	1282	-167.27	14.8365	7.5285	3.048	-92.106	721.776	1
41282_1283	41282	1283	72.543	-21.732	4.6245	1.1445	-3.3525	1710.816	1
41283_1283	41283	1283	-161.189	8.517	-0.594	2.577	-0.288	568.584	1
41283_1284	41283	1284	71.6655	-18.7635	0.096	-1.6845	-3.27	1758.836	1
41284_1284	41284	1284	-77.586	-4.1745	-0.1125	-1.6665	-13.1925	604.0605	1
41284_1285	41284	1285	83.6145	-37.41	-0.048	0.033	-2.5725	1767.371	1
41285_1285	41285	1285	-81.66	-4.7385	-2.9265	-3.3435	-13.407	652.8345	1
41285_1286	41285	1286	91.914	-33.921	-0.9345	-3.9795	-11.5065	1780.1	1
41286_1286	41286	1286	-88.2285	-5.964	-2.832	-1.437	-46.218	714.726	1
41286_1287	41286	1287	101.355	-27.552	-1.6215	-0.114	-31.1205	1746.318	1
41287_1287	41287	1287	-94.2795	-7.8255	-1.977	-3.6645	-76.3065	786.765	1
41287_1288	41287	1288	115.1685	-24.099	-2.5065	-3.909	-71.796	1715.742	1
41288_1288	41288	1288	-100.667	-11.778	-1.746	-0.9195	-101.022	913.1505	1
41288_1289	41288	1289	127.347	-18.396	-3.3255	0.537	-120.095	1645.653	1
41289_1289	41289	1289	-95.9625	-19.392	3.2055	1.6635	-103.101	1078.689	1
41289_1290	41289	1290	131.8155	-19.674	5.5875	7.857	-102.966	1622.658	1
41290_1290	41290	1290	-89.0535	-23.1705	2.955	2.694	-78.1755	1167.581	1
41290_1291	41290	1291	141.789	-15.339	5.982	10.0785	-54.4215	1556.729	1
41291_1291	41291	1291	-3.8715	13.7355	6.843	-13.728	-17.3505	2560.7	1
41291_1292	41291	1292	-12.849	-53.1645	9.5865	-18.7155	97.1925	1265.849	1
41292_1292	41292	1292	-4.431	11.148	-2.2575	-7.2825	32.6025	2458.658	1
41292_1293	41292	1293	-13.338	-55.7115	-4.869	-5.127	41.364	1784.979	1
41293_1293	41293	1293	-4.746	11.022	-2.2335	3.159	3.276	2317.431	1
41293_1294	41293	1294	-16.773	-82.947	-4.1715	-2.5125	1.947	2243.153	1
41294_1294	41294	1294	-4.815	11.82	-0.0705	-8.583	-21.705	2194.274	1
41294_1295	41294	1295	-15.6345	-80.418	-0.807	-12.633	-1.788	2540.328	1
41295_1295	41295	1295	-5.016	11.736	-0.0495	0.2175	-22.443	2109.986	1
41295_1296	41295	1296	-14.781	-77.2425	-0.819	-3.2685	-7.7505	2825.528	1
41296_1296	41296	1296	-5.1495	11.6775	-0.045	2.5995	-22.797	2025.989	1
41296_1297	41296	1297	-14.5005	-73.059	-0.849	-1.4145	-15.8895	3158.189	1
41297_1297	41297	1297	-5.1555	11.3475	-0.2355	-5.358	-23.1855	1923.281	1
41297_1298	41297	1298	-14.706	-73.9275	-0.282	-12.8445	-17.754	3311.843	1
41298_1298	41298	1298	-4.977	11.304	-0.225	-2.391	-24.3975	1878.768	1
41298_1299	41298	1299	-15.147	-69.5025	-0.156	-8.6385	-20.565	3613.733	1
41299_1299	41299	1299	-4.977	11.304	-0.21	3.3195	-26.3085	1783.074	1
41299_1300	41299	1300	-15.621	-63.099	0.042	1.167	-21.003	3968.862	1
41300_1300	41300	1300	-4.977	11.145	0.3615	-2.3955	-28.821	1647.593	1
41300_1301	41300	1301	-15.9555	-59.4795	0.489	-11.298	-14.766	4300.854	1
41301_1301	41301	1301	-4.9755	11.145	0.381	3.6195	-24.0645	1500.882	1
41301_1302	41301	1302	-16.059	-53.202	0.6135	4.2195	-7.6005	4494.716	1
41302_1302	41302	1302	-4.8675	10.7865	0.363	-1.692	-19.8195	1374.711	1
41302_1303	41302	1303	-15.9705	-49.776	0.345	-11.7435	-3.339	4657.701	1
41303_1303	41303	1303	-4.8645	10.7865	0.3855	4.0755	-14.934	1229.496	1
41303_1304	41303	1304	-16.065	-15.426	0.4005	10.713	0.6645	4711.163	1
41304_1304	41304	1304	-4.863	10.431	0.51	-0.5175	-10.674	1110.407	1
41304_1305	41304	1305	-15.9555	-12.579	0.408	-7.173	6.6375	4749.366	1
41305_1305	41305	1305	-4.8615	10.431	0.5295	3.3555	-4.014	974.1045	1
41305_1306	41305	1306	-15.66	-5.9745	0.516	10.527	13.116	4667.594	1
41306_1306	41306	1306	-4.5615	9.9465	0.7335	0.2055	1.998	854.928	1
41306_1307	41306	1307	-15.1245	-3.813	0.498	-4.6935	18.7515	4523.141	1
41307_1307	41307	1307	-4.56	9.9465	0.7485	2.7795	10.695	736.941	1
41307_1308	41307	1308	-14.2845	3.951	0.5775	9.7065	25.3365	4223.262	1
41308_1308	41308	1308	-4.557	9.531	0.4635	0.8415	20.16	611.2575	1
41308_1309	41308	1309	-13.1745	7.302	0.4335	-2.13	28.6065	3836.361	1
41309_1309	41309	1309	-4.4985	9.525	0.4815	2.7375	25.8195	495.363	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41309_1310	41309	1310	-11.709	15.648	0.5445	10.764	33.1545	3273.456	1
41310_1310	41310	1310	-4.227	9.528	-0.3315	1.4445	31.8405	377.967	1
41310_1311	41310	1311	-10.8075	31.0365	-1.1025	2.037	17.247	2566.862	1
41311_1311	41311	1311	-3.9525	9.4935	-0.2415	2.4	28.5915	256.137	1
41311_1312	41311	1312	-8.6805	40.5135	-0.8685	9.5595	4.0965	1650.611	1
41312_1312	41312	1312	-2.9925	8.82	-1.7625	2.1645	31.6545	135.831	1
41312_1313	41312	1313	6.0105	-8.712	0.2505	-2.9145	0	38.844	1

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95
	Max.	1.31	1.58	1.84	1.84	1.05			0.00	
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	

Fatigue I	Max/Min	1.5								
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VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
1000_1000	1000	1000	-2.2545	-7.341	0.2835	-0.3795	0	-8.0985	1
1000_1001	1000	1001	-8.64	7.7175	-0.3705	0.3705	-6.303	-77.1285	1
1001_1001	1001	1001	-110.282	33.3045	-0.249	1.6095	-4.2495	-906.687	1
1001_1002	1001	1002	-15.1395	7.767	-0.354	0.417	-9.885	-130.637	1
1002_1002	1002	1002	-163.392	28.0815	0.1575	0.9855	-7.7955	-1339.06	1
1002_1003	1002	1003	-22.602	7.8615	0.4815	0.3585	-4.0155	-191.598	1
1003_1003	1003	1003	-211.952	10.92	0.1635	1.4295	-6.0435	-1732.68	1
1003_1004	1003	1004	-30.153	7.8615	0.4815	0.396	1.857	-252.578	1
1004_1004	1004	1004	-248.745	7.911	0.1155	0.6165	-4.0275	-2032.3	1
1004_1005	1004	1005	-37.719	7.8525	0.2145	0.318	4.4775	-313.479	1
1005_1005	1005	1005	-278.208	-0.2325	0.099	1.257	-2.214	-2272.1	1
1005_1006	1005	1006	-45.264	7.8525	0.2145	0.378	7.1025	-374.412	1
1006_1006	1006	1006	-295.905	-0.9975	0.0855	0.2445	-0.489	-2416.29	1
1006_1007	1006	1007	-53.0955	8.151	0.1185	0.27	8.547	-437.606	1
1007_1007	1007	1007	-309.864	-8.5485	0.0585	0.927	1.2855	-2529.81	1
1007_1008	1007	1008	-60.924	8.151	0.1185	0.354	9.9945	-500.832	1
1008_1008	1008	1008	-313.847	-8.49	0.096	-0.0975	2.6715	-2562.36	1
1008_1009	1008	1009	-69.0495	8.4855	0.1065	0.2175	11.2665	-566.592	1
1009_1009	1009	1009	-315.833	-15.7035	0.0675	0.5415	4.6395	-2578.4	1
1009_1010	1009	1010	-77.2035	8.4855	0.1065	0.3135	12.573	-632.441	1
1010_1010	1010	1010	-309.45	-40.659	0.168	-1.0395	4.857	-2526.86	1
1010_1011	1010	1011	-85.7715	8.925	0.1125	0.0615	13.938	-701.639	1
1011_1011	1011	1011	-304.379	-47.7525	0.138	0.111	7.164	-2485.88	1
1011_1012	1011	1012	-94.335	8.925	0.1125	0.3465	15.3075	-770.807	1
1012_1012	1012	1012	-290.849	-48.5355	0.2055	-0.6615	8.9055	-2376.29	1
1012_1013	1012	1013	-103.361	9.3975	0.1005	0.198	16.527	-843.698	1
1013_1013	1013	1013	-275.457	-55.485	0.1695	-0.8625	11.4675	-2251.37	1
1013_1014	1013	1014	-112.385	9.3975	0.1005	0.036	17.7435	-916.584	1
1014_1014	1014	1014	-252.402	-60.099	0.0015	-0.9015	13.194	-2064.28	1
1014_1015	1014	1015	-124.871	9.474	0.039	0.1275	18.4035	-1017.44	1
1015_1015	1015	1015	-235.344	-67.3665	-0.024	-0.621	8.388	-1791.98	1
1015_1016	1015	1016	-140.258	9.1395	0.0255	-0.192	12.4245	-1089.98	1
1016_1016	1016	1016	-204.698	-69.561	-0.3135	-0.4995	7.926	-1614.12	1
1016_1017	1016	1017	-136.359	8.7885	-0.057	-0.0195	11.7615	-1179.15	1
1017_1017	1017	1017	-151.328	-76.1655	-0.315	-0.792	4.0305	-1372.96	1
1017_1018	1017	1018	-121.133	8.6385	-0.057	-0.468	10.977	-1301.85	1
1018_1018	1018	1018	-95.124	-53.6745	0.4065	-0.321	2.184	-1075.65	1
1018_1019	1018	1019	-104.037	8.385	0.213	-0.243	13.5885	-1418.79	1
1019_1019	1019	1019	-50.061	-58.674	0.2535	-0.552	6.5895	-774.053	1
1019_1020	1019	1020	-87.126	8.601	0.213	-0.9045	16.1985	-1543.29	1
1020_1020	1020	1020	-168.107	-5.4405	-1.179	-0.0615	37.7775	-684.77	1
1020_1021	1020	1021	-26.433	-26.5725	-0.231	-0.213	10.968	-572.616	1
1021_1021	1021	1021	-174.434	-9.2145	-0.882	0.0735	19.4475	-765.399	1
1021_1022	1021	1022	-5.118	-18.2835	-0.3675	-0.144	10.6935	-435.026	1
1022_1022	1022	1022	-178.689	-12.8655	-0.837	0.033	11.607	-833.298	1
1022_1023	1022	1023	19.455	-5.2395	-0.5895	-0.1305	11.898	-379.217	1
1023_1023	1023	1023	-181.796	-16.035	-0.141	-0.0735	4.353	-893.256	1
1023_1024	1023	1024	19.992	-3.225	-0.3	-0.138	9.963	-357.401	1
1024_1024	1024	1024	-184.074	-20.4165	-0.123	-0.0135	2.61	-945.519	1
1024_1025	1024	1025	20.472	-2.6625	-0.2985	-0.1335	7.6485	-342.764	1
1025_1025	1025	1025	-184.82	-25.2285	-0.096	-0.072	1.143	-983.226	1
1025_1026	1025	1026	18.2655	-1.8345	-0.306	-0.1665	5.28	-331.71	1
1026_1026	1026	1026	-184.586	-27.7305	-0.042	-0.033	0.069	-1007.66	1
1026_1027	1026	1027	19.1535	-1.632	-0.2205	-0.126	3.954	-325.472	1
1027_1027	1027	1027	-184.482	-31.701	-0.0225	-0.171	-0.3225	-1022.71	1
1027_1028	1027	1028	17.874	-1.3425	-0.24	-0.18	2.556	-320.189	1
1028_1028	1028	1028	-183.488	-35.8905	-0.015	-0.111	-0.5535	-1027.61	1
1028_1029	1028	1029	17.799	-1.2525	-0.237	-0.1725	1.149	-315.129	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1029_1029	1029	1029	-180.53	-18.6285	0.0285	0.075	-0.7155	-1017.9	1
1029_1030	1029	1030	16.644	-1.065	-0.237	-0.1755	-0.237	-310.88	1
1030_1030	1030	1030	-179.526	-19.8795	0.075	-0.0675	-0.4935	-1002.96	1
1030_1031	1030	1031	17.124	-0.666	-0.3105	-0.2085	-2.721	-307.487	1
1031_1031	1031	1031	-178.131	-25.1385	0.093	-0.0195	0.351	-977.801	1
1031_1032	1031	1032	15.207	-0.495	-0.306	-0.2055	-5.043	-304.596	1
1032_1032	1032	1032	-175.647	-29.994	0.1095	0.051	1.5315	-938.967	1
1032_1033	1032	1033	44.658	7.944	0.261	0.183	7.9605	-331.217	1
1033_1033	1033	1033	-171.462	-33.6675	0.8025	0.0435	2.9925	-884.648	1
1033_1034	1033	1034	13.308	18.2235	0.4365	0.3375	9.0705	-399.066	1
1034_1034	1034	1034	-166.251	-37.8045	0.8535	0.027	10.1235	-820.751	1
1034_1035	1034	1035	-18.1575	26.1	0.2325	0.3435	7.821	-510.944	1
1035_1035	1035	1035	-157.209	-41.712	1.26	-0.624	23.208	-759.863	1
1035_1036	1035	1036	-48.2805	34.605	-0.024	-0.1095	4.404	-730.23	1
1036_1036	1036	1036	-36.855	-9.744	-0.075	-0.141	0.7335	-479.816	1
1036_1037	1036	1037	-66.489	-13.6095	-0.126	0.6765	8.994	-1293.77	1
1037_1037	1037	1037	-28.479	3.4305	-0.192	0.252	5.1915	-699.212	1
1037_1038	1037	1038	-79.0005	-12.4125	-0.1305	0.2805	7.398	-1147.73	1
1038_1038	1038	1038	-61.9785	-0.699	0.21	0.276	1.5345	-949.479	1
1038_1039	1038	1039	-87.7965	-11.8005	0.0975	0.369	8.679	-1009.44	1
1039_1039	1039	1039	-105.896	-5.451	0.252	0.204	3.8355	-1166.65	1
1039_1040	1039	1040	-89.2515	-11.0715	0.093	0.075	9.786	-898.965	1
1040_1040	1040	1040	-140.712	-8.364	0.0675	0.192	6.7635	-1339.14	1
1040_1041	1040	1041	-84.117	-10.8465	-0.054	0.087	9.3345	-836.373	1
1041_1041	1041	1041	-181.998	-13.9365	0.0375	0.123	3.5565	-1349.29	1
1041_1042	1041	1042	-80.418	-10.629	-0.027	0.0045	4.032	-665.594	1
1042_1042	1042	1042	-209.088	-16.6095	0.006	0.0615	4.401	-1535.16	1
1042_1043	1042	1043	-68.367	-10.395	-0.0075	-0.012	3.9435	-589.274	1
1043_1043	1043	1043	-227.61	1.1565	0.006	0.1995	4.7415	-1656.35	1
1043_1044	1043	1044	-56.3175	-10.395	-0.009	-0.0555	3.828	-512.948	1
1044_1044	1044	1044	-241.566	-0.996	-0.003	0.1275	4.8195	-1739.69	1
1044_1045	1044	1045	-44.4105	-10.275	-0.0165	-0.054	3.63	-437.517	1
1045_1045	1045	1045	-253.205	-8.3745	-0.0045	0.087	4.797	-1806.35	1
1045_1046	1045	1046	-53.6085	10.6305	0.0315	0.0855	3.708	-382.698	1
1046_1046	1046	1046	-256.202	-10.3485	0.006	-0.003	4.7325	-1816.83	1
1046_1047	1046	1047	-65.7225	10.6965	0.027	0.0855	4.014	-461.198	1
1047_1047	1047	1047	-254.459	-41.4135	0	-0.2085	4.7865	-1813.99	1
1047_1048	1047	1048	-78.1185	10.6965	0.0255	0.054	4.323	-539.715	1
1048_1048	1048	1048	-246.56	-43.542	0	-0.2265	4.8255	-1755.41	1
1048_1049	1048	1049	-90.663	10.815	0.021	0.078	4.584	-619.173	1
1049_1049	1049	1049	-236.309	-50.8365	-0.006	-0.372	4.8405	-1680.71	1
1049_1050	1049	1050	-103.193	10.815	0.021	-0.012	4.83	-698.546	1
1050_1050	1050	1050	-223.274	-29.1345	-0.0405	-0.1905	4.569	-1561.52	1
1050_1051	1050	1051	-120.5	10.9755	0.0255	0.027	5.2425	-808.181	1
1051_1051	1051	1051	-187.823	-38.271	-0.039	-0.3825	4.3665	-1431.48	1
1051_1052	1051	1052	-120.113	10.7925	0.027	-0.1695	6.219	-897.638	1
1052_1052	1052	1052	-167.285	-40.185	-0.162	-0.3	4.0095	-1317.59	1
1052_1053	1052	1053	-119.795	10.425	-0.0255	-0.03	5.9265	-994.283	1
1053_1053	1053	1053	-115.181	-45.7515	-0.1995	-0.726	3.096	-1227.41	1
1053_1054	1053	1054	-98.676	10.8345	-0.0375	-0.552	7.5	-1185.18	1
1054_1054	1054	1054	-71.8935	-50.979	0.3	-0.4665	1.3575	-995.783	1
1054_1055	1054	1055	-85.7085	10.791	0.144	-0.3435	9.2625	-1316.51	1
1055_1055	1055	1055	-36.3315	-56.1705	0.1965	-0.588	4.7505	-737.963	1
1055_1056	1055	1056	-72.1485	11.286	0.144	-0.9135	10.968	-1457.59	1
1056_1056	1056	1056	-165.225	-6.348	-0.8025	-0.069	24.75	-732.2	1
1056_1057	1056	1057	-6.2055	-21.564	-0.243	-0.3405	9.534	-534.605	1
1057_1057	1057	1057	-173.169	-10.374	-0.696	0.027	14.376	-844.206	1
1057_1058	1057	1058	22.575	-9.6315	-0.4125	-0.2955	11.007	-444.096	1
1058_1058	1058	1058	-179.139	-14.1555	-0.675	0.1575	8.2455	-926.55	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1058_1059	1058	1059	25.824	-5.0565	-0.435	-0.2565	8.8245	-410.427	1
1059_1059	1059	1059	-183.504	-17.256	-0.093	-0.0105	2.4675	-997.307	1
1059_1060	1059	1060	24.7635	-3.522	-0.213	-0.267	7.335	-388.287	1
1060_1060	1060	1060	-186.903	-21.693	-0.0735	-0.1035	1.2975	-1058.41	1
1060_1061	1060	1061	23.9235	-2.868	-0.222	-0.3435	5.6235	-371.37	1
1061_1061	1061	1061	-188.555	-26.505	-0.054	-0.246	0.3735	-1102.08	1
1061_1062	1061	1062	22.7655	-2.3895	-0.2295	-0.429	3.825	-357.521	1
1062_1062	1062	1062	-189.023	-28.9575	-0.0315	-0.0195	-0.276	-1130.11	1
1062_1063	1062	1063	21.8595	-1.926	-0.1695	-0.2955	2.844	-349.259	1
1063_1063	1063	1063	-189.299	-32.8785	-0.0165	-0.2565	-0.5475	-1146.8	1
1063_1064	1063	1064	19.323	1.494	0.183	0.399	1.113	-352.643	1
1064_1064	1064	1064	-187.383	-14.8275	0.0135	0.1575	-0.777	-1152.33	1
1064_1065	1064	1065	21.945	1.791	0.183	0.402	2.1465	-359.082	1
1065_1065	1065	1065	-187.239	-18.918	0.0285	-0.1155	-0.6465	-1145.53	1
1065_1066	1065	1066	21.045	1.791	0.168	0.2865	3.1545	-366.231	1
1066_1066	1066	1066	-186.182	-20.0205	0.048	0.024	-0.3945	-1127.48	1
1066_1067	1066	1067	23.172	2.475	0.2265	0.402	4.8975	-379.112	1
1067_1067	1067	1067	-184.773	-25.212	0.069	-0.1095	0.255	-1098.16	1
1067_1068	1067	1068	27.2325	3.477	0.2175	0.3285	6.5085	-395.255	1
1068_1068	1068	1068	-182.313	-30	0.078	0.039	1.17	-1053.69	1
1068_1069	1068	1069	29.046	4.74	0.2175	0.3525	8.0595	-416.919	1
1069_1069	1069	1069	-178.224	-33.36	0.6555	-0.2835	2.25	-992.784	1
1069_1070	1069	1070	27.9495	9.4485	0.429	0.2955	10.4175	-451.277	1
1070_1070	1070	1070	-173.324	-37.455	0.6855	-0.1605	8.0685	-922.499	1
1070_1071	1070	1071	-2.5575	21.7365	0.2295	0.408	8.064	-542.172	1
1071_1071	1071	1071	-166.733	-41.2185	0.822	-0.078	16.4205	-839.934	1
1071_1072	1071	1072	-36.795	31.617	0.0615	0.438	4.9905	-722.943	1
1072_1072	1072	1072	-8.9205	7.6725	-0.1035	0.3855	5.718	-438.924	1
1072_1073	1072	1073	-82.0125	-10.986	-0.1395	0.8985	8.7375	-1345.86	1
1073_1073	1073	1073	-34.371	3.6795	-0.201	0.3135	4.8555	-744.756	1
1073_1074	1073	1074	-95.4855	-10.356	-0.141	0.3465	7.0005	-1215.24	1
1074_1074	1074	1074	-68.8635	-0.435	0.159	0.4665	1.368	-1012.11	1
1074_1075	1074	1075	-105.615	-10.2765	0.054	0.5745	7.6905	-1087.77	1
1075_1075	1075	1075	-127.212	-5.1705	0.144	0.1545	2.304	-1182.11	1
1075_1076	1075	1076	-119.424	-9.8145	0.0375	0.033	6.1305	-930.39	1
1076_1076	1076	1076	-167.075	-8.019	0.0405	0.261	4.0755	-1362.94	1
1076_1077	1076	1077	-114.626	-10.0335	-0.015	0.162	6	-873.236	1
1077_1077	1077	1077	-174.597	-12.9285	0.054	0.1425	6.3315	-1517.25	1
1077_1078	1077	1078	-92.757	-10.2645	-0.024	-0.0645	8.076	-789.237	1
1078_1078	1078	1078	-201.591	9.357	-0.0195	0.5775	7.737	-1742.55	1
1078_1079	1078	1079	-83.043	-10.182	-0.0285	0.0255	7.7565	-716.373	1
1079_1079	1079	1079	-221.961	2.7	-0.0315	0.4395	7.5735	-1894.71	1
1079_1080	1079	1080	-74.1915	-10.1535	-0.0315	-0.096	7.4715	-643.44	1
1080_1080	1080	1080	-235.898	1.11	-0.009	0.3885	7.1745	-1996.98	1
1080_1081	1080	1081	-64.5795	-10.068	-0.042	-0.0705	7.0005	-571.338	1
1081_1081	1081	1081	-247.98	-5.595	-0.018	0.2325	7.074	-2084.01	1
1081_1082	1081	1082	-54.966	-10.068	-0.0435	-0.1635	6.5115	-499.226	1
1082_1082	1082	1082	-253.119	-6.81	0.0045	0.2895	6.819	-2118.08	1
1082_1083	1082	1083	-44.7165	-9.9885	-0.0435	-0.1125	5.9925	-422.351	1
1083_1083	1083	1083	-255.21	-38.565	-0.0045	-0.5145	6.924	-2138.3	1
1083_1084	1083	1084	-60.21	9.141	0.051	0.0915	6.276	-489.305	1
1084_1084	1084	1084	-251.865	-40.254	0.0345	-0.2835	6.777	-2108.39	1
1084_1085	1084	1085	-69.0105	9.216	0.051	0.1875	6.8505	-555.312	1
1085_1085	1085	1085	-246.963	-46.8825	0.0195	-0.762	7.1085	-2066.4	1
1085_1086	1085	1086	-77.5185	9.2265	0.0495	0.006	7.38	-621.35	1
1086_1086	1086	1086	-235.1	-48.2895	0.0315	-0.48	7.2315	-1971.54	1
1086_1087	1086	1087	-86.4615	9.3645	0.0405	0.144	7.836	-688.421	1
1087_1087	1087	1087	-221.762	-54.903	0.0135	-0.8925	7.4895	-1864.94	1
1087_1088	1087	1088	-95.4	9.3645	0.039	-0.081	8.2755	-755.48	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1088_1088	1088	1088	-202.031	-57.4095	-0.0195	-0.873	7.467	-1709.42	1
1088_1089	1088	1089	-106.638	9.4695	0.0525	-0.039	8.9865	-841.323	1
1089_1089	1089	1089	-175.721	-39.6735	-0.012	-0.342	5.8725	-1567.19	1
1089_1090	1089	1090	-108.891	9.2745	0.0465	-0.1185	8.3505	-935.538	1
1090_1090	1090	1090	-154.472	-41.4435	-0.21	-0.552	5.622	-1429.22	1
1090_1091	1090	1091	-106.971	8.892	-0.0405	-0.09	7.83	-1022.48	1
1091_1091	1091	1091	-113.666	-46.836	-0.2355	-0.6075	4.1445	-1247.91	1
1091_1092	1091	1092	-94.7235	9.0285	-0.0525	-0.474	9.1635	-1147.56	1
1092_1092	1092	1092	-68.5875	-51.7245	0.3795	-0.378	1.941	-991.92	1
1092_1093	1092	1093	-81.723	8.9415	0.1905	-0.2475	11.5755	-1261.87	1
1093_1093	1093	1093	-32.6745	-56.7975	0.261	-0.6165	6.204	-717.954	1
1093_1094	1093	1094	-116.36	50.5215	-0.4845	1.179	-13.854	-1483.31	1
1094_1094	1094	1094	-165.03	-6.291	-0.909	-0.021	27.9405	-733.14	1
1094_1095	1094	1095	-6.642	-21.312	-0.2685	-0.279	10.8285	-529.923	1
1095_1095	1095	1095	-168.146	-10.386	-0.9915	0.1605	20.268	-864.435	1
1095_1096	1095	1096	21.213	-10.0515	-0.555	-0.2295	15.54	-446.826	1
1096_1096	1096	1096	-173.468	-14.2365	-0.9285	-0.174	11.5365	-950.109	1
1096_1097	1096	1097	23.6505	-5.1465	-0.6315	-0.411	12.594	-409.911	1
1097_1097	1097	1097	-177.144	-17.3535	-0.129	-0.087	3.567	-1023.18	1
1097_1098	1097	1098	22.7445	-3.663	-0.351	-0.3105	10.1445	-386.963	1
1098_1098	1098	1098	-179.934	-21.882	-0.099	-0.2235	1.9455	-1086.43	1
1098_1099	1098	1099	20.2425	-2.643	-0.3645	-0.39	7.3905	-370.446	1
1099_1099	1099	1099	-181.004	-26.823	-0.0825	-0.0975	0.702	-1130.98	1
1099_1100	1099	1100	24.8415	0.8025	0.321	0.4905	-1.0665	-359.984	1
1100_1100	1100	1100	-180.888	-28.791	0.009	-1.3605	-0.219	-1158.48	1
1100_1101	1100	1101	25.6995	1.527	0.2175	0.009	0.1725	-366.098	1
1101_1101	1101	1101	-180.924	-32.7225	0.0165	-1.4055	-0.252	-1176.27	1
1101_1102	1101	1102	26.109	1.6245	0.2175	0.015	1.428	-372.392	1
1102_1102	1102	1102	-178.277	-14.697	-0.0255	1.6515	-0.0975	-1184.83	1
1102_1103	1102	1103	26.7645	1.749	0.3765	0.8925	3.6225	-379.547	1
1103_1103	1103	1103	-178.245	-18.831	-0.003	1.185	-0.111	-1180.31	1
1103_1104	1103	1104	29.214	2.094	0.3585	0.774	5.6625	-387.42	1
1104_1104	1104	1104	-177.282	-19.362	0.0585	0.084	0.0675	-1163.48	1
1104_1105	1104	1105	29.8905	2.8335	0.3645	0.4485	8.505	-402.068	1
1105_1105	1105	1105	-176.277	-24.7185	0.09	-0.0825	1.035	-1137.91	1
1105_1106	1105	1106	32.3415	3.603	0.3495	0.357	11.1615	-419.466	1
1106_1106	1106	1106	-174.081	-29.673	0.1065	0.0495	2.4255	-1094.68	1
1106_1107	1106	1107	34.8225	5.1075	0.3495	0.375	13.6035	-441.543	1
1107_1107	1107	1107	-170.201	-33.1095	0.906	-0.249	4.101	-1032.68	1
1107_1108	1107	1108	33.663	8.304	0.6015	0.321	17.1975	-473.571	1
1108_1108	1108	1108	-165.402	-37.356	0.951	-0.1275	12.333	-960.011	1
1108_1109	1108	1109	4.4865	20.892	0.33	0.4275	13.0695	-553.115	1
1109_1109	1109	1109	-163.262	-41.142	0.9045	-0.1005	19.2015	-854.052	1
1109_1110	1109	1110	-32.097	30.921	0.0675	0.3765	6.4995	-710.166	1
1110_1110	1110	1110	-29.124	-2.9085	-0.0435	0.348	5.2875	-507.722	1
1110_1111	1110	1111	-78.0555	-12.1905	-0.204	1.044	12.4665	-1366.31	1
1111_1111	1111	1111	-32.502	2.8065	-0.282	0.219	7.2465	-763.697	1
1111_1112	1111	1112	-91.2435	-11.385	-0.207	0.204	10.0275	-1226.56	1
1112_1112	1112	1112	-65.3235	-1.3845	0.1635	0.4305	2.8725	-1023.31	1
1112_1113	1112	1113	-100.476	-11.2695	0.033	0.558	10.422	-1089.96	1
1113_1113	1113	1113	-109.577	-6.4815	0.1575	0.2325	3.8415	-1241.32	1
1113_1114	1113	1114	-103.331	-10.9095	0.024	0.0015	8.565	-972.342	1
1114_1114	1114	1114	-142.784	-9.4575	0.0285	0.6075	5.8065	-1416.46	1
1114_1115	1114	1115	-98.208	-11.142	-0.0465	0.366	8.172	-906.747	1
1115_1115	1115	1115	-180.948	-14.181	0.018	0.0435	5.1435	-1386.75	1
1115_1116	1115	1116	-95.382	-11.109	-0.0435	-0.0735	6.2265	-718.035	1
1116_1116	1116	1116	-203.061	-17.184	-0.021	0.105	5.6025	-1550.16	1
1116_1117	1116	1117	-84.0345	-10.9455	-0.0375	-0.0015	5.8065	-643.532	1
1117_1117	1117	1117	-216.776	0.852	-0.0405	0.2745	5.5065	-1662.39	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1117_1118	1117	1118	-72.687	-10.9455	-0.039	-0.0765	5.3685	-569.028	1
1118_1118	1118	1118	-227.906	-0.4995	-0.027	0.321	4.98	-1737.97	1
1118_1119	1118	1119	-61.452	-10.8285	-0.0435	-0.033	4.8735	-495.255	1
1119_1119	1119	1119	-237.612	-7.458	-0.0375	0.036	4.6335	-1802.81	1
1119_1120	1119	1120	-50.226	-10.8285	-0.0465	-0.147	4.344	-421.55	1
1120_1120	1120	1120	-240.621	-32.4945	-0.018	-0.183	4.2405	-1821.26	1
1120_1121	1120	1121	-38.232	-10.758	-0.045	-0.111	3.804	-342.798	1
1121_1121	1121	1121	-241.872	-39.7515	-0.027	-0.2475	3.936	-1830.74	1
1121_1122	1121	1122	-30.2205	6.363	0.012	0.0645	2.7555	-286.722	1
1122_1122	1122	1122	-234.501	-41.421	-0.0045	-0.3255	3.5115	-1782.27	1
1122_1123	1122	1123	-36.894	6.4305	0.015	0.072	2.9235	-330.531	1
1123_1123	1123	1123	-225.965	-48.2595	-0.012	-0.399	3.408	-1725.05	1
1123_1124	1123	1124	-43.56	6.4305	0.0135	0.033	3.0735	-374.301	1
1124_1124	1124	1124	-209.999	-49.632	0.0105	-0.369	3.2115	-1618.04	1
1124_1125	1124	1125	-50.364	6.558	0.0105	0.0675	3.1935	-418.974	1
1125_1125	1125	1125	-192.779	-56.4465	-0.0015	-0.579	3.294	-1501.6	1
1125_1126	1125	1126	-57.162	6.558	0.0075	-0.03	3.2805	-463.607	1
1126_1126	1126	1126	-172.013	-33.774	-0.075	-0.276	3.075	-1341.94	1
1126_1127	1126	1127	-65.559	6.735	0.0015	0.0165	3.2625	-520.421	1
1127_1127	1127	1127	-151.559	-41.085	-0.0675	-0.2145	1.8195	-1174.18	1
1127_1128	1127	1128	-71.316	6.6975	0	-0.069	2.9235	-564.773	1
1128_1128	1128	1128	-129.359	-42.0975	-0.165	-0.192	1.2855	-1051.28	1
1128_1129	1128	1129	-70.9755	6.825	-0.0315	-0.0015	2.5455	-626.618	1
1129_1129	1129	1129	-80.1435	-47.2485	-0.1875	-0.549	-0.4485	-952.38	1
1129_1130	1129	1130	-130.055	40.008	0.1725	0.6885	2.3955	-927.309	1
1130_1130	1130	1130	-41.505	-51.7485	0.345	-0.3075	-1.887	-726.065	1
1130_1131	1130	1131	-143.156	45.369	-0.285	0.822	-0.6735	-1319.18	1
1131_1131	1131	1131	-11.739	-56.667	0.2715	-0.3405	2.6205	-486.972	1
1131_1132	1131	1132	-150.332	52.1265	-0.3465	0.855	-5.373	-1791.11	1
1132_1132	1132	1132	-148.589	-3.1665	-0.6	-0.6645	17.2515	-542.045	1
1132_1133	1132	1133	11.9895	-4.0485	0.222	0.0075	-6.381	-447.236	1
1133_1133	1133	1133	-160.415	-7.65	-0.558	-0.2775	10.0635	-659.52	1
1133_1134	1133	1134	9.1335	-4.032	0.2115	0.033	-4.1475	-399.513	1
1134_1134	1134	1134	-168.291	-11.8845	-0.669	1.1025	5.334	-750.546	1
1134_1135	1134	1135	11.949	-4.032	0.3405	0.777	-1.512	-379.577	1
1135_1135	1135	1135	-174.858	-14.0805	-0.003	-0.0825	-0.129	-831.626	1
1135_1136	1135	1136	16.239	-2.9565	0.1005	0.2085	-0.7965	-364.251	1
1136_1136	1136	1136	-180.837	-18.957	-0.0075	0.102	-0.3165	-907.907	1
1136_1137	1136	1137	19.911	-2.8905	0.1125	0.267	0.048	-349.23	1
1137_1137	1137	1137	-184.34	-24.2475	0.0045	0.024	-0.4635	-964.025	1
1137_1138	1137	1138	22.0155	-2.8905	0.1005	0.213	0.858	-334.515	1
1138_1138	1138	1138	-180.05	-6.1845	0.009	0.108	-0.4305	-1006.61	1
1138_1139	1138	1139	24.4695	-2.394	0.0975	0.177	1.416	-325.136	1
1139_1139	1139	1139	-183.588	-10.8495	0.0195	-0.057	-0.33	-1036.12	1
1139_1140	1139	1140	27.1845	-2.301	0.0825	0.111	1.881	-316.326	1
1140_1140	1140	1140	-184.946	-15.4905	0.0195	-0.0075	-0.1545	-1047.56	1
1140_1141	1140	1141	30.3	-2.145	0.0825	0.114	2.3385	-307.724	1
1141_1141	1141	1141	-184.073	-20.028	0.0135	0.246	0.036	-1040.67	1
1141_1142	1141	1142	32.796	-2.0205	0.0975	0.1785	2.8995	-299.843	1
1142_1142	1142	1142	-181.883	-21.042	0.015	-0.147	0.1905	-1021.17	1
1142_1143	1142	1143	37.806	-1.266	0.11	0.0945	3.699	-292.131	1
1143_1143	1143	1143	-178.641	-26.772	0.0225	-0.087	0.498	-988.523	1
1143_1144	1143	1144	-5.5785	3.54	-0.1005	-0.1755	-2.223	-289.55	1
1144_1144	1144	1144	-173.574	-32.067	0.021	0.1125	0.909	-937.49	1
1144_1145	1144	1145	-10.182	3.624	-0.093	-0.1275	-2.8815	-307.835	1
1145_1145	1145	1145	-166.247	-35.5935	0.477	-0.216	1.3455	-866.871	1
1145_1146	1145	1146	17.4525	17.355	0.123	0.177	3.93	-340.764	1
1146_1146	1146	1146	-157.734	-40.14	0.495	-0.153	5.475	-786.395	1
1146_1147	1146	1147	-10.8825	26.127	0.027	0.243	2.514	-446.514	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1147_1147	1147	1147	-144.828	-44.4435	0.54	-0.069	10.3965	-705.297	1
1147_1148	1147	1148	-42.2805	36.48	-0.0855	0.3855	-0.759	-663.99	1
1148_1148	1148	1148	-17.6745	-4.1355	-0.0135	0.15	2.1435	-408.896	1
1148_1149	1148	1149	-50.1045	-15.4125	-0.0825	0.5205	5.2185	-1123.35	1
1149_1149	1149	1149	-13.9065	1.2855	-0.144	0.1425	2.8455	-609.753	1
1149_1150	1149	1150	-58.6905	-14.0385	-0.087	0.1395	4.1535	-971.471	1
1150_1150	1150	1150	-41.448	-2.739	0.1065	0.2175	0.0885	-830.501	1
1150_1151	1150	1151	-63.7185	-12.8025	0.0135	0.273	4.383	-831.35	1
1151_1151	1151	1151	-90.174	-7.515	0.111	0.105	0.801	-950.562	1
1151_1152	1151	1152	-72.036	-11.589	0.009	0.018	3.669	-671.411	1
1152_1152	1152	1152	-120.468	-10.116	0.045	0.0765	1.9665	-1083.65	1
1152_1153	1152	1153	-65.4825	-11.0625	-0.015	0.0255	3.54	-611.753	1
1153_1153	1153	1153	-147.093	-14.211	0.0435	0.06	1.9725	-1128.76	1
1153_1154	1153	1154	-55.7985	-10.8255	-0.0135	-0.015	2.826	-496.719	1
1154_1154	1154	1154	-164.489	-17.7735	-0.0045	0.018	2.631	-1254.34	1
1154_1155	1154	1155	-44.0625	-10.5435	-0.018	-0.0165	2.631	-427.656	1
1155_1155	1155	1155	-177.326	-24.282	-0.0105	-0.009	2.622	-1343.95	1
1155_1156	1155	1156	-32.3265	-10.5435	-0.021	-0.0435	2.4075	-358.589	1
1156_1156	1156	1156	-185.007	-26.352	-0.003	-0.036	2.5245	-1398.63	1
1156_1157	1156	1157	-21.7875	-10.395	-0.0195	-0.036	2.208	-296.568	1
1157_1157	1157	1157	-190.556	-32.6835	-0.009	-0.078	2.52	-1437.18	1
1157_1158	1157	1158	-11.5035	-10.392	-0.0225	-0.057	1.9875	-234.618	1
1158_1158	1158	1158	-190.425	-34.179	0.0045	-0.1005	2.451	-1439.28	1
1158_1159	1158	1159	-21.6615	9.1305	0.018	0.0495	2.1555	-268.035	1
1159_1159	1159	1159	-189.303	-40.7145	-0.0015	-0.1425	2.5305	-1433.07	1
1159_1160	1159	1160	-30.909	9.1305	0.0165	0.0315	2.3175	-322.461	1
1160_1160	1160	1160	-185.025	-19.623	0.0105	-0.09	2.5815	-1391.45	1
1160_1161	1160	1161	-41.1915	9.2955	0.0195	0.027	2.5245	-383.355	1
1161_1161	1161	1161	-177.135	-26.6415	0.012	-0.03	2.706	-1333.52	1
1161_1162	1161	1162	-51.537	9.2955	0.0195	0.027	2.7345	-444.248	1
1162_1162	1162	1162	-163.989	-28.974	-0.066	-0.144	2.7915	-1240.73	1
1162_1163	1162	1163	-64.785	9.531	0.0045	0.0045	2.799	-522.23	1
1163_1163	1163	1163	-137.378	-36.8655	-0.06	-0.1005	2.1435	-1149.12	1
1163_1164	1163	1164	-66.609	9.702	0.006	-0.012	3.1065	-593.27	1
1164_1164	1164	1164	-119.711	-38.0715	-0.1215	-0.222	1.737	-1051.39	1
1164_1165	1164	1165	-69.162	10.1895	-0.015	-0.036	2.928	-679.511	1
1165_1165	1165	1165	-79.152	-43.2465	-0.12	-0.2685	0.7065	-958.841	1
1165_1166	1165	1166	-58.254	11.2635	-0.018	-0.1575	2.9895	-832.673	1
1166_1166	1166	1166	-41.28	-48.2115	0.1875	-0.231	-0.0495	-765.113	1
1166_1167	1166	1167	-151.818	38.889	-0.228	0.558	-1.8315	-1039.48	1
1167_1167	1167	1167	-10.878	-53.4615	0.117	-0.2745	2.286	-548.102	1
1167_1168	1167	1168	-160.509	46.524	-0.2775	0.6735	-5.5215	-1446.41	1
1168_1168	1168	1168	-137.549	-2.595	-0.465	-0.0375	13.527	-549.236	1
1168_1169	1168	1169	-15.039	-28.029	0	-0.2625	1.6515	-454.976	1
1169_1169	1169	1169	-152.313	-6.8745	-0.3735	0.102	7.125	-664.155	1
1169_1170	1169	1170	6.486	-20.643	-0.0585	-0.177	2.211	-321.371	1
1170_1170	1170	1170	-163.029	-10.9305	-0.366	0.1635	3.9525	-754.265	1
1170_1171	1170	1171	-12.2295	-3.666	0.1695	0.1815	-1.7805	-303.357	1
1171_1171	1171	1171	-171.909	-14.298	-0.0345	-0.1065	0.903	-832.698	1
1171_1172	1171	1172	-7.614	-3.21	0.081	0.1305	-1.2105	-287.193	1
1172_1172	1172	1172	-179.42	-19.0815	-0.036	0.0705	0.4695	-901.016	1
1172_1173	1172	1173	-5.1525	-3.2085	0.0855	0.171	-0.534	-271.292	1
1173_1173	1173	1173	-184.547	-24.291	-0.0255	-0.006	0.0765	-951.038	1
1173_1174	1173	1174	1.0335	-2.9655	0.0825	0.141	0.057	-255.465	1
1174_1174	1174	1174	-187.796	-26.8725	-0.0015	-0.1965	-0.1815	-983.937	1
1174_1175	1174	1175	2.508	-2.5305	0.0585	0.0825	0.4095	-246.05	1
1175_1175	1175	1175	-189.903	-31.1295	-0.006	0.018	-0.2025	-1003.64	1
1175_1176	1175	1176	19.422	1.68	-0.048	-0.069	0.8025	-244.97	1
1176_1176	1176	1176	-190.641	-35.607	0	-0.1245	-0.2505	-1011.42	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1176_1177	1176	1177	18.2745	1.6935	-0.057	-0.114	0.4605	-251.223	1
1177_1177	1177	1177	-189.042	-40.1805	0	-0.0795	-0.2565	-1001.6	1
1177_1178	1177	1178	17.3085	1.6935	-0.057	-0.114	0.1155	-257.526	1
1178_1178	1178	1178	-190.947	-21.0015	0.0225	-0.015	-0.1575	-980.621	1
1178_1179	1178	1179	12.1035	2.325	-0.075	-0.1275	-0.426	-268.949	1
1179_1179	1179	1179	-188.757	-26.6385	0.033	-0.0885	0.12	-946.895	1
1179_1180	1179	1180	10.3365	2.325	-0.081	-0.1665	-1.074	-280.484	1
1180_1180	1180	1180	-184.665	-31.8345	0.0375	-0.024	0.5325	-896.144	1
1180_1181	1180	1181	8.3685	2.3325	-0.081	-0.1665	-1.7145	-292.041	1
1181_1181	1181	1181	-178.236	-35.517	0.348	-0.2325	1.02	-827.327	1
1181_1182	1181	1182	-0.654	20.673	0.0555	0.165	2.166	-314.981	1
1182_1182	1182	1182	-170.451	-39.9465	0.36	-0.177	4.0215	-748.868	1
1182_1183	1182	1183	-25.2615	28.8045	-0.006	0.225	1.122	-431.63	1
1183_1183	1183	1183	-160.374	-44.061	0.423	-0.015	8.2575	-661.524	1
1183_1184	1183	1184	-55.047	36.903	-0.0735	0.348	-0.9375	-645.18	1
1184_1184	1184	1184	-43.8255	-8.7405	-0.0225	-0.105	0.873	-447.558	1
1184_1185	1184	1185	-136.361	-40.896	0.2085	-0.678	-1.197	-1037.11	1
1185_1185	1185	1185	-20.5335	3.729	-0.102	0.1905	2.061	-507.258	1
1185_1186	1185	1186	-65.721	-9.5445	-0.0555	0.2205	2.889	-777.225	1
1186_1186	1186	1186	-52.0965	-0.453	0.09	0.1215	-0.069	-739.281	1
1186_1187	1186	1187	-71.118	-9.0015	0.018	0.162	3.1185	-675.477	1
1187_1187	1187	1187	-100.415	-5.3595	0.1065	0.132	0.5865	-909.597	1
1187_1188	1187	1188	-75.1035	-8.5095	0.015	0.042	2.985	-572.075	1
1188_1188	1188	1188	-135.819	-8.3325	0.0555	0.0525	1.674	-1066.63	1
1188_1189	1188	1189	-70.2465	-8.355	-0.006	0.0105	2.9355	-526.989	1
1189_1189	1189	1189	-158.855	-12.6225	0.0615	0.1125	1.962	-1196.07	1
1189_1190	1189	1190	-60.348	-8.391	-0.006	0.003	2.6925	-463.359	1
1190_1190	1190	1190	-181.799	-16.5765	0.0045	-0.06	2.8875	-1359.2	1
1190_1191	1190	1191	-51.4695	-8.1825	-0.0135	-0.045	2.538	-407.54	1
1191_1191	1191	1191	-198.14	0.186	0.0195	0.2865	3.0555	-1487.36	1
1191_1192	1191	1192	-42.591	-8.1825	-0.0135	-0.0165	2.397	-351.717	1
1192_1192	1192	1192	-210.242	-2.3295	0.006	0.12	3.2655	-1565.87	1
1192_1193	1192	1193	-34.5795	-8.0325	-0.0135	-0.0405	2.2545	-301.352	1
1193_1193	1193	1193	-219.378	-8.9895	0.0045	0.0795	3.342	-1623.48	1
1193_1194	1193	1194	-40.671	10.7715	0.0255	0.078	2.814	-328.889	1
1194_1194	1194	1194	-221.918	-10.731	0.0225	-0.0285	3.39	-1637.56	1
1194_1195	1194	1195	-51.585	10.941	0.03	0.0705	3.117	-397.505	1
1195_1195	1195	1195	-222.866	-17.289	0.024	0.048	3.6285	-1639.76	1
1195_1196	1195	1196	-61.824	10.965	0.03	0.072	3.3945	-466.152	1
1196_1196	1196	1196	-217.997	-19.206	0.006	-0.1935	3.855	-1603.03	1
1196_1197	1196	1197	-73.9695	11.193	0.027	0.021	3.696	-542.525	1
1197_1197	1197	1197	-210.249	-26.067	0.0105	-0.003	3.9	-1545.22	1
1197_1198	1197	1198	-85.8	11.2035	0.0285	0.06	3.993	-618.824	1
1198_1198	1198	1198	-197.226	-28.6305	-0.072	-0.216	3.96	-1451.15	1
1198_1199	1198	1199	-101.505	11.5815	0.0075	0.0015	4.104	-717.602	1
1199_1199	1199	1199	-172.856	-36.576	-0.066	-0.171	3.2025	-1289.57	1
1199_1200	1199	1200	-105.116	11.46	0.009	-0.027	4.5	-764.681	1
1200_1200	1200	1200	-153.981	-38.643	-0.102	-0.336	2.6955	-1192.45	1
1200_1201	1200	1201	-107.246	11.466	-0.0105	-0.084	4.38	-863.708	1
1201_1201	1201	1201	-104.303	-44.0265	-0.138	-0.459	2.6205	-1129.17	1
1201_1202	1201	1202	-89.7555	12.0585	-0.015	-0.321	6.4455	-1060.04	1
1202_1202	1202	1202	-62.8965	-49.1985	0.2565	-0.453	1.6455	-923.168	1
1202_1203	1202	1203	-79.239	12.5385	0.1155	-0.3945	7.9005	-1200.6	1
1203_1203	1203	1203	-28.5405	-54.2955	0.1635	-0.462	4.5285	-689.675	1
1203_1204	1203	1204	-66.765	13.3665	0.117	-0.654	9.1995	-1354.05	1
1204_1204	1204	1204	-152.738	-5.4045	-0.693	-0.138	22.1805	-663.429	1
1204_1205	1204	1205	-14.5305	-26.7465	-0.126	-0.417	5.6205	-525.809	1
1205_1205	1205	1205	-163.643	-9.4005	-0.6195	0.1815	13.3365	-779.129	1
1205_1206	1205	1206	9.693	-18.2205	-0.237	-0.1755	6.591	-400.82	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1206_1206	1206	1206	-171.209	-13.1565	-0.603	0.2565	7.8975	-856.965	1
1206_1207	1206	1207	31.503	-6.48	-0.3795	-0.075	6.8415	-336.464	1
1207_1207	1207	1207	-177.401	-16.3245	-0.12	-0.03	2.7135	-924.836	1
1207_1208	1207	1208	31.083	-3.648	-0.1995	-0.1605	5.6145	-311.457	1
1208_1208	1208	1208	-182.511	-20.787	-0.1005	-0.087	1.371	-983.795	1
1208_1209	1208	1209	28.6995	-2.4525	-0.21	-0.1905	4.0155	-296.411	1
1209_1209	1209	1209	-185.744	-25.641	-0.0885	-0.0045	0.2805	-1026.31	1
1209_1210	1209	1210	23.934	-1.4505	-0.204	-0.1755	2.436	-286.506	1
1210_1210	1210	1210	-187.728	-28.269	-0.0225	-0.0975	-0.5805	-1054.4	1
1210_1211	1210	1211	23.607	-1.0275	-0.1365	-0.183	1.629	-282.177	1
1211_1211	1211	1211	-189.048	-32.2575	-0.009	-0.2475	-0.7545	-1071.1	1
1211_1212	1211	1212	21.3465	-0.7365	-0.1485	-0.231	0.765	-279.054	1
1212_1212	1212	1212	-189.311	-36.4425	-0.0045	-0.192	-0.825	-1076.91	1
1212_1213	1212	1213	18.234	-0.441	-0.147	-0.222	-0.072	-276.353	1
1213_1213	1213	1213	-191.385	-18.9045	0.0105	0.285	-0.5955	-1070.58	1
1213_1214	1213	1214	15.3195	1.3275	0.1635	0.2445	3.114	-280.632	1
1214_1214	1214	1214	-190.959	-20.37	0.084	-0.1665	-0.426	-1054.49	1
1214_1215	1214	1215	18.936	2.5005	0.2085	0.165	4.6815	-290.39	1
1215_1215	1215	1215	-189.951	-25.6185	0.0915	0.0585	0.5355	-1025.84	1
1215_1216	1215	1216	19.7625	3.354	0.219	0.2175	6.345	-304.971	1
1216_1216	1216	1216	-187.679	-30.471	0.111	-0.009	1.6725	-983.012	1
1216_1217	1216	1217	20.976	6.8445	0.198	0.204	7.44	-330.819	1
1217_1217	1217	1217	-183.578	-34.0305	0.5595	-0.2865	3.0645	-923.729	1
1217_1218	1217	1218	1.7385	18.1035	0.2415	0.213	6.96	-395.814	1
1218_1218	1218	1218	-178.286	-38.1795	0.585	-0.207	8.121	-855.134	1
1218_1219	1218	1219	-23.5215	26.589	0.1185	0.3	5.403	-506.829	1
1219_1219	1219	1219	-170.963	-42.009	0.6255	-0.078	13.839	-757.683	1
1219_1220	1219	1220	-53.2065	34.479	0.0045	0.4215	2.622	-699.707	1
1220_1220	1220	1220	-48.5355	-9.474	-0.0255	-0.0945	-1.2165	-461.394	1
1220_1221	1220	1221	-83.0355	-9.6075	-0.1575	1.1355	7.089	-1139.57	1
1221_1221	1221	1221	-36.4095	4.341	-0.1785	0.144	3.9195	-651.195	1
1221_1222	1221	1222	-95.379	-9.117	-0.162	0.033	5.2605	-1025.07	1
1222_1222	1222	1222	-71.352	-0.105	0.123	0.5145	0.6645	-899.207	1
1222_1223	1222	1223	-103.712	-9.6555	0.036	0.5865	5.7525	-908.99	1
1223_1223	1223	1223	-128.187	-4.6455	0.0945	0.0405	1.182	-1048.96	1
1223_1224	1223	1224	-113.618	-9.507	0.021	-0.069	4.044	-764.597	1
1224_1224	1224	1224	-167.412	-8.6385	0.051	0.3765	2.2155	-1214.37	1
1224_1225	1224	1225	-107.75	-10.341	-0.0165	0.207	3.9	-708.963	1
1225_1225	1225	1225	-177.168	-14.715	0.054	-0.0255	2.8935	-1411.09	1
1225_1226	1225	1226	-85.9845	-10.6395	-0.021	-0.1335	3.939	-642.213	1
1226_1226	1226	1226	-199.997	6.327	0	0.8175	4.1655	-1621.88	1
1226_1227	1226	1227	-73.908	-10.71	-0.021	0.1125	3.672	-558.212	1
1227_1227	1227	1227	-217.796	-1.1475	-0.0165	-0.1125	4.209	-1755.19	1
1227_1228	1227	1228	-61.9665	-10.704	-0.0255	-0.2475	3.372	-474.377	1
1228_1228	1228	1228	-227.214	-5.0655	0.012	0.4365	3.993	-1827.15	1
1228_1229	1228	1229	-43.326	12.4215	0.027	0.3105	3.2355	-409.115	1
1229_1229	1229	1229	-232.2	-12.5805	0.0015	-0.1755	4.143	-1865.44	1
1229_1230	1229	1230	-56.727	12.453	0.021	0.135	3.4815	-506.483	1
1230_1230	1230	1230	-229.296	-40.9275	-0.0345	-0.1935	4.137	-1842.19	1
1230_1231	1230	1231	-70.827	12.555	-0.0075	0.288	3.381	-604.625	1
1231_1231	1231	1231	-221.114	-48.3615	-0.0495	-0.753	3.7065	-1788.62	1
1231_1232	1231	1232	-84.9495	12.555	-0.0135	0.027	3.216	-702.857	1
1232_1232	1232	1232	-207.074	-27.9345	-0.105	0.1005	2.838	-1680.7	1
1232_1233	1232	1233	-96.423	12.75	-0.0255	0.3255	2.961	-782.678	1
1233_1233	1233	1233	-194.564	-33.1665	-0.1155	-0.4095	1.71	-1584.3	1
1233_1234	1233	1234	-109.779	12.75	-0.0315	-0.006	2.604	-875.57	1
1234_1234	1234	1234	-173.742	-38.8725	-0.1995	-0.795	0.6435	-1453.42	1
1234_1235	1234	1235	-111.516	12.684	-0.063	-0.4065	4.0545	-908.649	1
1235_1235	1235	1235	-166.566	-39.3555	0.2415	-0.1305	0.0645	-1409.11	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1235_1236	1235	1236	-113.369	12.387	0.1155	0.0525	4.8825	-975.231	1
1236_1236	1236	1236	-145.167	-42.5625	0.2235	-0.3195	1.8855	-1320.45	1
1236_1237	1236	1237	-115.757	12.5175	0.1095	-0.1395	5.8845	-1065.51	1
1237_1237	1237	1237	-93.9735	-46.386	0.3045	-1.254	6.243	-1302.65	1
1237_1238	1237	1238	-93.4275	13.089	0.1575	-1.1115	9.771	-1229.04	1
1238_1238	1238	1238	-79.608	-43.125	-1.1895	-0.474	7.6755	-1222.63	1
1238_1239	1238	1239	-86.283	15.186	-0.759	-0.0405	1.569	-1369.72	1
1239_1239	1239	1239	-51.8655	-47.6205	-1.218	-0.522	-5.4615	-1058.03	1
1239_1240	1239	1240	-77.0745	15.7335	-0.771	-0.747	-6.9585	-1523.55	1
1240_1240	1240	1240	-28.884	-41.7825	2.1495	-3.735	-19.095	-856.595	1
1240_1241	1240	1241	-70.332	22.674	1.5195	-3.525	10.743	-1754.82	1
1241_1241	1241	1241	-179.561	-15.033	0.8895	3.1335	14.9835	-973.16	1
1241_1242	1241	1242	9.825	-23.5935	0.3375	0.9195	14.601	-674.319	1
1242_1242	1242	1242	-182.157	-19.158	0.8325	2.925	21.5325	-1024.91	1
1242_1243	1242	1243	16.554	-22.194	0.3345	0.87	16.0575	-615.827	1
1243_1243	1243	1243	-182.085	-15.2055	-1.1355	0.1395	23.8545	-1042.53	1
1243_1244	1243	1244	38.577	-11.1285	-0.7455	-0.2955	16.2615	-516.738	1
1244_1244	1244	1244	-186.309	-19.311	-1.0815	-0.333	12.3705	-1113.65	1
1244_1245	1244	1245	40.5585	-7.203	-0.84	-0.5595	8.4105	-451.574	1
1245_1245	1245	1245	-189.21	-23.307	-0.2175	-0.0165	0.183	-1172.08	1
1245_1246	1245	1246	37.77	-4.8945	-0.3105	-0.423	5.58	-411.452	1
1246_1246	1246	1246	-190.907	-28.4565	-0.1695	-0.528	-2.5275	-1213.68	1
1246_1247	1246	1247	36.543	-4.068	-0.3645	-0.657	2.0085	-380.91	1
1247_1247	1247	1247	-191.717	-32.9445	-0.0015	-0.2415	-4.5975	-1237.16	1
1247_1248	1247	1248	19.6935	3.357	0.213	0.6615	3.5475	-386.463	1
1248_1248	1248	1248	-194.219	-14.2965	-0.0045	-0.003	-4.9275	-1243.61	1
1248_1249	1248	1249	19.8495	3.903	0.1845	0.5355	5.4105	-412.248	1
1249_1249	1249	1249	-196.304	-19.7745	0.705	0.366	-4.7445	-1232.66	1
1249_1250	1249	1250	21.6495	5.169	0.4365	0.7005	9.699	-443.832	1
1250_1250	1250	1250	-196.776	-25.626	0.756	-0.3285	3.0555	-1198.95	1
1250_1251	1250	1251	21.8205	6.9015	0.3705	0.393	12.8505	-481.613	1
1251_1251	1251	1251	-196.079	-25.2675	0.3615	0.2625	10.3005	-1151.16	1
1251_1252	1251	1252	18.348	11.2665	0.624	0.678	17.736	-544.565	1
1252_1252	1252	1252	-197.798	-30.5505	0.5175	-0.1815	15.138	-1114.81	1
1252_1253	1252	1253	-5.913	21.7665	0.474	0.4665	16.389	-670.851	1
1253_1253	1253	1253	-196.833	-36.003	0.6015	0.228	22.5555	-1038.27	1
1253_1254	1253	1254	-14.322	23.739	0.444	0.594	15.6495	-719.792	1
1254_1254	1254	1254	-195.635	-31.419	-0.4935	-5.331	25.167	-1013.33	1
1254_1255	1254	1255	-32.292	28.512	-0.2505	-0.9375	10.515	-834.551	1
1255_1255	1255	1255	-21.0675	0.0735	-1.164	2.5635	8.835	-644.834	1
1255_1256	1255	1256	-83.505	-16.1295	-1.14	2.8155	5.607	-1545.09	1
1256_1256	1256	1256	-34.4025	-2.6355	-1.3155	2.367	-0.3585	-804.314	1
1256_1257	1256	1257	-89.7585	-15.819	-1.1445	1.911	-2.5845	-1439.92	1
1257_1257	1257	1257	-48.2775	1.737	0.189	0.249	-10.3545	-931.506	1
1257_1258	1257	1258	-99.4785	-11.9895	0.0645	0.8805	-1.782	-1320.54	1
1258_1258	1258	1258	-75.366	-1.404	0.1215	0.102	-9.6585	-1136.11	1
1258_1259	1258	1259	-108.06	-11.7405	0.066	0.138	-0.678	-1184.4	1
1259_1259	1259	1259	-136.715	-4.9395	0.5235	0.21	-6.7755	-1229.26	1
1259_1260	1259	1260	-128.067	-11.9175	0.288	0.2475	2.598	-976.395	1
1260_1260	1260	1260	-171.053	-9.456	0.5685	0.12	-1.7085	-1379.91	1
1260_1261	1260	1261	-120.764	-12.4815	0.285	0.009	5.307	-895.319	1
1261_1261	1261	1261	-201.36	-13.9125	0.4545	0.1875	2.814	-1417.94	1
1261_1262	1261	1262	-121.241	-12.768	0.216	-0.0675	4.701	-818.075	1
1262_1262	1262	1262	-206.843	-14.2575	-0.0075	0.351	4.296	-1457.46	1
1262_1263	1262	1263	-107.499	-12.9945	-0.033	0.1395	4.329	-731.711	1
1263_1263	1263	1263	-224.355	-19.563	-0.0195	-0.078	4.3515	-1582.42	1
1263_1264	1263	1264	-92.814	-12.9945	-0.0375	-0.129	3.8895	-639.095	1
1264_1264	1264	1264	-235.263	2.082	-0.0105	0.4815	4.3515	-1687.23	1
1264_1265	1264	1265	-78.93	-12.8175	-0.0225	0.027	3.642	-550.403	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1265_1265	1265	1265	-247.356	-4.5795	-0.0285	-0.0525	4.2435	-1771.78	1
1265_1266	1265	1266	-64.995	-12.8175	-0.0255	-0.1815	3.3465	-462.516	1
1266_1266	1266	1266	-252.311	-8.4255	-0.03	0.2085	3.8955	-1809.36	1
1266_1267	1266	1267	-39.54	12.42	-0.0045	0.225	2.745	-405.233	1
1267_1267	1267	1267	-254.66	-39.906	-0.033	-0.366	3.6405	-1817.56	1
1267_1268	1267	1268	-52.911	12.42	-0.012	0.1185	2.616	-489.563	1
1268_1268	1268	1268	-247.995	-44.082	-0.057	-0.18	3.09	-1781.99	1
1268_1269	1268	1269	-68.2545	12.414	-0.0165	0.2175	2.3985	-586.325	1
1269_1269	1269	1269	-234.735	-51.594	-0.0795	-0.6	2.052	-1703.23	1
1269_1270	1269	1270	-81.717	12.414	-0.0255	0.0165	2.1	-671.232	1
1270_1270	1270	1270	-217.949	-31.164	0.351	-0.0315	0.3525	-1594.12	1
1270_1271	1270	1271	-92.337	12.237	0.1365	0.1875	3.351	-738.215	1
1271_1271	1271	1271	-202.922	-35.637	0.324	-0.3255	3.363	-1493.66	1
1271_1272	1271	1272	-105.263	12.237	0.129	-0.012	4.7925	-819.759	1
1272_1272	1272	1272	-166.181	-40.848	0.3915	-0.7545	8.748	-1473.39	1
1272_1273	1272	1273	-99.222	12.3225	0.1665	-0.333	7.2195	-928.451	1
1273_1273	1273	1273	-156.525	-35.841	-0.138	-0.1335	10.0005	-1410.65	1
1273_1274	1273	1274	-104.361	14.3775	0.021	0.132	7.395	-1010.04	1
1274_1274	1274	1274	-138.06	-39.6315	-0.108	-0.3855	8.394	-1324.52	1
1274_1275	1274	1275	-104.982	14.535	0.0135	-0.162	7.458	-1097.99	1
1275_1275	1275	1275	-94.899	-43.0125	-0.135	-1.62	11.223	-1341.92	1
1275_1276	1275	1276	-86.2305	15.2535	0	-1.3125	11.439	-1253.38	1
1276_1276	1276	1276	-83.304	-39.519	-2.145	-0.5925	10.611	-1280.95	1
1276_1277	1276	1277	-80.9295	18.5175	-1.74	0.0855	-8.9475	-1435.81	1
1277_1277	1277	1277	-53.325	-44.6085	-2.124	-0.4695	-14.5425	-1118.07	1
1277_1278	1277	1278	-70.914	19.491	-1.7625	-0.459	-31.599	-1650.45	1
1278_1278	1278	1278	-25.137	-40.179	3.5685	-4.7355	-40.1235	-887.441	1
1278_1279	1278	1279	-65.709	27.8745	3.3255	-4.9065	-0.1545	-1874.33	1
1279_1279	1279	1279	-174.533	-15.8625	1.791	2.8785	-1.1955	-1021.05	1
1279_1280	1279	1280	15.522	-25.7085	1.0275	0.927	12.3045	-694.524	1
1280_1280	1280	1280	-176.505	-19.6395	1.5615	2.472	13.764	-1039.64	1
1280_1281	1280	1281	27.5325	-23.1945	1.059	0.933	18.27	-579.804	1
1281_1281	1281	1281	-163.611	-19.542	-1.6695	0.2115	40.3455	-1117.93	1
1281_1282	1281	1282	76.818	-13.995	-1.7535	-0.1695	22.983	-496.638	1
1282_1282	1282	1282	-163.98	-25.3305	-1.4085	-0.4725	17.6055	-1163.73	1
1282_1283	1282	1283	82.119	-10.0185	-1.8945	-0.507	0.072	-391.235	1
1283_1283	1283	1283	-162.464	-27.12	-0.0135	-0.0195	0.837	-1177.17	1
1283_1284	1283	1284	18.441	3.939	0.0915	0.6915	3.2925	-415.632	1
1284_1284	1284	1284	-164.877	-34.3725	0.0345	-0.768	0.816	-1210.2	1
1284_1285	1284	1285	18.366	4.5075	0.0195	0.3465	3.345	-449.252	1
1285_1285	1285	1285	-174.189	-13.137	0.1215	0.495	0.642	-1215.95	1
1285_1286	1285	1286	19.1895	5.6265	0.7725	0.6825	11.5335	-491.778	1
1286_1286	1286	1286	-181.104	-20.073	0.3015	-0.258	2.871	-1224.84	1
1286_1287	1286	1287	19.0395	7.188	0.7365	0.321	19.041	-541.329	1
1287_1287	1287	1287	-185.885	-22.359	0.4965	0.441	7.7655	-1201.62	1
1287_1288	1287	1288	15.666	11.1105	0.522	0.7755	25.209	-628.308	1
1288_1288	1288	1288	-194.075	-29.3385	0.7245	-0.381	17.9145	-1180.56	1
1288_1289	1288	1289	1.665	18.183	0.3885	0.2685	25.7265	-742.217	1
1289_1289	1289	1289	-198.579	-31.635	-1.32	-1.536	29.967	-1132.31	1
1289_1290	1289	1290	-8.784	21.858	-0.705	-0.1635	19.5075	-800.052	1
1290_1290	1290	1290	-200.354	-33.5685	-1.41	-2.1705	26.9025	-1134.23	1
1290_1291	1290	1291	-25.656	26.127	-0.6375	-0.327	10.428	-990.891	1
1291_1291	1291	1291	-24.7395	1.1085	-2.2365	3.6825	-7.1025	-745.871	1
1291_1292	1291	1292	-81.4725	-12.2895	-1.788	2.9655	-8.793	-1814.85	1
1292_1292	1292	1292	-37.089	5.1795	1.257	0.402	-24.9225	-934.377	1
1292_1293	1292	1293	-93.636	-9.711	0.5895	1.5915	-1.062	-1684.96	1
1293_1293	1293	1293	-67.5615	1.422	1.2615	-0.4845	-10.6605	-1297.85	1
1293_1294	1293	1294	-101.147	-9.696	0.582	-0.6375	5.787	-1578.44	1
1294_1294	1294	1294	-96.3585	27.7785	0.1875	2.487	-0.5775	-1613.59	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1294_1295	1294	1295	-102.491	-10.785	0.018	1.8495	5.7915	-1511.55	1
1295_1295	1295	1295	-138.752	24.513	0.135	0.291	0.378	-1683.51	1
1295_1296	1295	1296	-117.869	-10.806	0.009	-0.0165	4.0575	-1340.59	1
1296_1296	1296	1296	-159.359	21.042	0.144	0.027	1.386	-1869.64	1
1296_1297	1296	1297	-111.738	-11.0445	0.0075	-0.321	4.1265	-1272.45	1
1297_1297	1297	1297	-179.13	19.6815	0.057	1.5225	2.8275	-2089.48	1
1297_1298	1297	1298	-109.109	-10.7025	0.042	0.6645	4.3425	-1242.11	1
1298_1298	1298	1298	-158.909	17.8755	0.0705	1.617	4.8675	-2356.23	1
1298_1299	1298	1299	-87.717	-10.7895	0.0615	0.5115	7.212	-1267.06	1
1299_1299	1299	1299	-173.867	13.653	0.03	-0.627	5.6385	-2567.93	1
1299_1300	1299	1300	-80.76	-10.7895	0.057	-0.7095	7.902	-1170.78	1
1300_1300	1300	1300	-191.736	10.9185	-0.114	2.0985	5.7585	-2820.29	1
1300_1301	1300	1301	-73.227	-10.638	-0.099	0.5115	6.597	-1066.53	1
1301_1301	1301	1301	-208.527	4.0845	-0.1515	-1.269	4.0485	-3056.2	1
1301_1302	1301	1302	-66.831	-10.6185	-0.105	-0.7725	5.4345	-976.872	1
1302_1302	1302	1302	-218.402	2.0955	-0.0765	2.22	2.0835	-3193.96	1
1302_1303	1302	1303	-59.376	-10.296	-0.099	0.3615	4.0935	-873.686	1
1303_1303	1303	1303	-226.839	-5.178	-0.1155	-2.1585	0.915	-3309.77	1
1303_1304	1303	1304	-53.262	-10.296	-0.1065	-0.8715	2.9265	-789.057	1
1304_1304	1304	1304	-229.512	-33.7215	-0.0945	1.1385	-0.1815	-3347.77	1
1304_1305	1304	1305	-46.2645	-9.957	-0.1395	0.111	1.101	-692.204	1
1305_1305	1305	1305	-231.557	-40.683	-0.129	-2.5035	-1.8195	-3374.9	1
1305_1306	1305	1306	-40.3755	-9.9225	-0.1455	-0.714	-0.5475	-607.518	1
1306_1306	1306	1306	-227.586	-42.3435	-0.126	0.681	-3.5955	-3316.79	1
1306_1307	1306	1307	-34.3185	-9.4935	-0.201	-0.0435	-2.9325	-523.676	1
1307_1307	1307	1307	-220.583	-49.05	-0.1515	-2.373	-5.1405	-3214.14	1
1307_1308	1307	1308	-27.867	-9.4935	-0.2055	-0.594	-5.5275	-434.364	1
1308_1308	1308	1308	-205.832	-52.1445	-0.0975	0.1425	-6.9465	-3001.05	1
1308_1309	1308	1309	-21.9615	-9.0915	-0.1275	-0.1785	-7.0785	-352.01	1
1309_1309	1309	1309	-186.822	-59.6595	-0.132	-2.6865	-7.842	-2726.11	1
1309_1310	1309	1310	-16.1445	-9.054	-0.1335	-0.582	-8.73	-268.59	1
1310_1310	1310	1310	-159.047	-64.788	0.327	-0.6435	-9.09	-2326.11	1
1310_1311	1310	1311	-10.101	-9.0615	0.0705	-0.303	-7.839	-182.016	1
1311_1311	1311	1311	-123.456	-82.314	0.291	-2.535	-4.728	-1824	1
1311_1312	1311	1312	-4.6695	-8.8605	-0.0015	-0.4905	-8.679	-96.5295	1
1312_1312	1312	1312	-78.051	-90.687	0.063	-1.425	-1.1235	-1172.91	1
1312_1313	1312	1313	-17.592	36.501	0.1365	1.986	0	-71.715	1
1400_1020	1400	1020	75.5895	-31.923	21.141	1.332	-152.738	-1007.41	1
1400_1401	1400	1401	-93.354	-2.298	7.9935	0.396	-73.362	-326.799	1
1401_1401	1401	1401	75.819	-30.651	5.3775	-1.488	-66.921	-876.726	1
1401_1402	1401	1402	-96.867	-2.151	5.4795	-1.4805	-56.4885	-318.324	1
1402_1402	1402	1402	76.533	-28.812	5.4345	0.318	-47.9895	-769.781	1
1402_1403	1402	1403	-100.869	-4.1715	5.6475	0.156	2.925	-270.873	1
1403_1403	1403	1403	76.944	-25.5525	-0.702	-0.204	10.509	-455.286	1
1403_1404	1403	1404	-110.009	-6.7125	-0.021	-0.2295	3.114	-220.679	1
1404_1404	1404	1404	80.913	-23.3775	-0.759	-0.5115	5.5995	-271.128	1
1404_1405	1404	1405	-118.943	-6.6705	-0.0225	-0.435	3.5655	-160.155	1
1405_1405	1405	1405	80.6385	-19.677	-0.1065	-0.4185	-0.4575	-103.326	1
1405_1406	1405	1406	-68.955	16.125	-0.057	0.105	0.219	-259.674	1
1406_1406	1406	1406	95.34	16.2945	1.869	0.414	1.2255	-59.5905	1
1406_1407	1406	1407	-67.1205	16.98	-0.0135	0.198	0.819	-400.289	1
1407_1407	1407	1407	108.399	19.7655	1.746	-0.027	17.1855	-210.908	1
1407_1408	1407	1408	-67.479	16.1985	0.0555	0	1.602	-489.219	1
1408_1408	1408	1408	123.4515	-5.2455	-6.3045	0.978	28.0635	-321.885	1
1408_1409	1408	1409	-62.4345	30.1005	-0.156	0.1905	1.392	-579.947	1
1409_1409	1409	1409	119.6715	4.659	-5.58	-1.074	9.714	-306.549	1
1409_1410	1409	1410	-62.3595	-29.7465	-0.06	-0.174	1.2075	-490.152	1
1410_1410	1410	1410	129.168	-21.003	0.531	0.3015	-7.14	-321.875	1
1410_1411	1410	1411	-66.5835	-15.429	0.0075	0.327	-0.2715	-403.152	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1411_1411	1411	1411	125.547	-18.123	0.2325	0.027	-3.354	-205.368	1
1411_1412	1411	1412	-67.9095	-14.163	0.3255	-0.225	0.585	-263.396	1
1412_1412	1412	1412	113.46	-12.8115	-0.0255	0.105	0.2475	-48.036	1
1412_1413	1412	1413	-146.366	13.605	-0.057	-0.1545	-0.444	-158.583	1
1413_1413	1413	1413	87.231	22.695	0.5295	0.3465	0.7095	-97.218	1
1413_1414	1413	1414	-152.526	9.1095	0.468	-0.294	1.731	-223.61	1
1414_1414	1414	1414	80.8875	25.257	0.5685	0.3945	4.257	-263.331	1
1414_1415	1414	1415	-147.788	5.877	0.39	-0.1785	4.7625	-265.608	1
1415_1415	1415	1415	80.1495	28.5705	-5.7645	1.7445	9.372	-445.716	1
1415_1416	1415	1416	-142.686	2.094	4.311	0.687	51.4425	-285.984	1
1416_1416	1416	1416	79.3935	30.4575	-6.516	-4.9845	-51.417	-758.015	1
1416_1417	1416	1417	-137.402	-0.918	5.5845	-3.4785	70.143	-281.55	1
1417_1417	1417	1417	79.0095	31.578	-21.078	-1.512	-73.7415	-864.177	1
1417_1036	1417	1036	-137.457	-1.6485	4.503	-0.102	88.6785	-274.838	1
1420_1056	1420	1056	82.011	-30.1335	20.6235	1.1055	-128.763	-916.941	1
1420_1421	1420	1421	-84.261	-0.489	6.807	0.3285	-59.5725	-240.935	1
1421_1421	1421	1421	82.0125	-28.7775	3.825	-0.426	-44.439	-793.58	1
1421_1422	1421	1422	-86.823	-0.429	4.5135	-0.9285	-44.3295	-238.7	1
1422_1422	1422	1422	82.674	-26.823	3.792	0.003	-31.197	-693.272	1
1422_1423	1422	1423	-143.673	0.0135	-4.1445	0.078	-2.4735	-216.773	1
1423_1423	1423	1423	81.219	-23.4225	-0.69	-0.141	9.279	-400.305	1
1423_1424	1423	1424	-141.96	-3.7095	-0.045	0.3165	-1.62	-188.333	1
1424_1424	1424	1424	81.732	-21.5625	-0.7665	-0.477	4.2195	-231.633	1
1424_1425	1424	1425	-148.505	-6.4425	0.147	0.183	-0.9915	-139.254	1
1425_1425	1425	1425	84.816	-17.3685	0.09	-0.366	-1.923	-78.1995	1
1425_1426	1425	1426	-71.4075	14.9115	-0.0735	0.0975	0.228	-236.117	1
1426_1426	1426	1426	81.108	12.6975	2.0505	0.444	-1.3965	-40.0875	1
1426_1427	1426	1427	-71.0175	14.949	-0.0045	0.3615	0.543	-361.259	1
1427_1427	1427	1427	114.831	17.661	0.1455	-0.3675	1.6695	-163.919	1
1427_1428	1427	1428	-71.4795	13.812	0.1575	-0.327	1.4895	-437.396	1
1428_1428	1428	1428	112.9245	-6.042	5.151	1.8165	0.507	-262.791	1
1428_1429	1428	1429	-67.0155	28.5885	-0.0285	0.318	2.043	-523.397	1
1429_1429	1429	1429	109.3695	5.7135	6.0675	-1.8735	16.7355	-245.949	1
1429_1430	1429	1430	-66.936	-28.3695	0.021	-0.273	2.0475	-437.457	1
1430_1430	1430	1430	102.3165	-16.9755	-2.376	0.153	33.087	-263.801	1
1430_1431	1430	1431	-71.3235	-13.4265	-0.087	0.2265	0.909	-361.719	1
1431_1431	1431	1431	99.183	-14.655	-2.556	-0.498	20.2035	-170.288	1
1431_1432	1431	1432	-73.107	-12.216	0.294	-0.177	1.1475	-236.996	1
1432_1432	1432	1432	75.9735	-10.158	0.09	-0.2535	-2.4825	-45.3075	1
1432_1433	1432	1433	-115.578	8.8845	-0.0615	0.33	1.665	-138.005	1
1433_1433	1433	1433	88.689	20.832	0.8265	0.585	-1.179	-76.3305	1
1433_1434	1433	1434	-100.04	7.101	0.2265	0.501	3.447	-183.267	1
1434_1434	1434	1434	82.299	23.397	0.654	0.0495	4.578	-229.026	1
1434_1435	1434	1435	-94.083	5.364	0.3615	0.0915	5.856	-219.591	1
1435_1435	1435	1435	83.7615	26.8365	-3.7815	0.1995	10.2435	-397.656	1
1435_1436	1435	1436	-84.624	3.018	-4.7445	0.051	-46.389	-249.347	1
1436_1436	1436	1436	83.1015	28.794	-3.9135	-0.2865	-30.732	-690.885	1
1436_1437	1436	1437	-84.6795	1.035	-4.596	0.7005	-62.265	-252.975	1
1437_1437	1437	1437	82.767	30.3225	-20.562	-1.0785	-44.742	-791.12	1
1440_1072	1437	1072	-80.796	1.1985	-6.729	-0.3195	-88.422	-257.534	1
1440_1094	1440	1094	83.6085	-29.574	19.8735	1.236	-112.587	-889.404	1
1440_1441	1440	1441	-77.2485	-0.7005	6.7515	0.363	-44.5005	-230.366	1
1441_1441	1441	1441	83.595	-28.221	2.823	-0.5235	-31.572	-768.251	1
1441_1442	1441	1442	-77.0985	-0.852	3.387	-0.8175	-31.617	-227.381	1
1442_1442	1442	1442	84.2475	-26.2065	2.8245	0.006	-21.7245	-669.782	1
1442_1443	1442	1443	-142.203	0.15	-3.609	0.21	-3.8475	-213.356	1
1443_1443	1443	1443	82.422	-22.7565	-0.6525	-0.348	7.9755	-383.507	1
1443_1444	1443	1444	-140.759	-3.606	0.144	0.255	-1.503	-186.162	1
1444_1444	1444	1444	83.9175	-20.79	-0.6495	-0.3975	3.3375	-219.701	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1444_1445	1444	1445	-149.744	-6.153	0.165	0.345	-0.621	-138.744	1
1445_1445	1445	1445	86.4705	-16.6695	0.117	-0.432	-2.061	-71.025	1
1445_1446	1445	1446	-70.287	14.4	-0.0435	0.1125	0.441	-230.018	1
1446_1446	1446	1446	73.4415	11.8485	1.4565	0.3975	-1.6065	-43.6275	1
1446_1447	1446	1447	-70.974	14.226	-0.177	0.3075	-0.8175	-349.496	1
1447_1447	1447	1447	116.0985	17.577	0.0885	-0.3345	0.9195	-161.702	1
1447_1448	1447	1448	-71.664	13.1175	-0.0465	-0.162	-0.972	-421.653	1
1448_1448	1448	1448	114.2205	-6.4785	3.882	2.3115	-0.5625	-260.003	1
1448_1449	1448	1449	-67.725	27.8925	0.0915	-0.114	-0.699	-505.349	1
1449_1449	1449	1449	111.204	6.1935	6.5055	-2.349	11.532	-241.571	1
1449_1450	1449	1450	-67.7565	-27.813	-0.189	0.123	-1.35	-421.082	1
1450_1450	1450	1450	103.572	-16.902	-2.2395	-0.1305	29.574	-260.774	1
1450_1451	1450	1451	-71.709	-12.723	0.2145	-0.201	-0.7545	-348.788	1
1451_1451	1451	1451	101.076	-14.6205	-2.2095	-0.4245	17.1405	-167.468	1
1451_1452	1451	1452	-74.2935	-11.589	0.489	0.063	1.002	-230.028	1
1452_1452	1452	1452	76.2225	-9.954	0.129	-0.3015	-2.436	-43.368	1
1452_1453	1452	1453	-117.789	8.6805	-0.111	0.3915	0.789	-138.449	1
1453_1453	1453	1453	86.67	20.2995	0.6825	0.4455	-1.2915	-73.5915	1
1453_1454	1453	1454	-102.497	6.8295	0.378	0.408	3.6585	-182.421	1
1454_1454	1454	1454	81.5985	22.608	0.648	0.327	3.423	-222.015	1
1454_1455	1454	1455	-97.521	5.124	0.357	0.3075	5.9985	-217.788	1
1455_1455	1455	1455	82.539	26.184	-2.7525	0.1305	9.12	-384.747	1
1455_1456	1455	1456	-85.794	2.6415	-3.636	0.1095	-34.1205	-243.693	1
1456_1456	1456	1456	81.9	28.1145	-2.8185	0.0315	-20.841	-671.298	1
1456_1457	1456	1457	-84.2835	0.753	-3.4995	0.6825	-45.72	-246.012	1
1457_1457	1457	1457	81.7605	29.592	-19.8225	-1.209	-30.6825	-769.379	1
1457_1110	1457	1110	-82.3665	0.7575	-6.2805	-0.339	-71.7225	-249.083	1
1460_1132	1460	1132	86.634	-32.712	17.3595	1.2375	-99.783	-966.588	1
1460_1461	1460	1461	-49.524	-4.428	4.1925	0.276	-32.34	-224.3	1
1461_1461	1461	1461	86.7045	-31.1955	2.355	-1.0125	-28.7325	-832.637	1
1461_1462	1461	1462	-157.112	5.8815	-2.448	0.6495	28.0095	-233.826	1
1462_1462	1462	1462	87.4245	-29.106	2.427	0.1425	-20.343	-723.83	1
1462_1463	1462	1463	-167.94	2.817	-2.682	0.216	-0.5295	-260.709	1
1463_1463	1463	1463	87.117	-24.8985	-0.723	-0.615	7.4595	-406.001	1
1463_1464	1463	1464	-174.173	-1.179	0.0285	-0.078	2.3625	-250.481	1
1464_1464	1464	1464	87.6735	-22.8675	-0.4935	-0.012	2.4615	-226.532	1
1464_1465	1464	1465	-182.048	-4.587	-0.4725	0.6105	-0.909	-215.006	1
1465_1465	1465	1465	-51.627	-4.4235	0.024	0.0375	0.264	-72.906	1
1465_1466	1465	1466	-62.787	18	-0.06	0.246	0.3075	-233.88	1
1466_1466	1466	1466	52.896	12.1005	-0.441	-0.027	0.954	-111.96	1
1466_1467	1466	1467	-68.3205	16.341	0.1335	-0.0615	2.178	-376.629	1
1467_1467	1467	1467	58.3875	13.7325	-0.4125	0.4755	-3.507	-221.166	1
1467_1468	1467	1468	-68.6415	14.934	0.0165	0.6045	2.5935	-459.633	1
1468_1468	1468	1468	66.7965	0.09	-4.2975	-0.042	-6.663	-297.716	1
1468_1469	1468	1469	-67.152	29.5965	-0.759	0.6345	-1.404	-547.892	1
1469_1469	1469	1469	86.5215	-0.0615	4.3335	-0.606	-16.893	-364.92	1
1469_1470	1469	1470	-65.157	-29.5875	0.6225	-0.6705	0.6195	-461.315	1
1470_1470	1470	1470	82.518	-18.198	0.2595	-0.4155	-4.0875	-365.139	1
1470_1471	1470	1471	-69.4995	-15.3465	0.0165	-0.426	1.2885	-375.693	1
1471_1471	1471	1471	81.465	-16.4235	0.3315	-0.0855	-2.601	-264.131	1
1471_1472	1471	1472	-64.6335	-15.678	-0.228	-0.0045	0.2505	-229.907	1
1472_1472	1472	1472	70.8615	-13.029	-0.0525	-0.258	0.2955	-120.635	1
1472_1473	1472	1473	-153.671	7.4625	-0.012	-0.075	0.9165	-184.308	1
1473_1473	1473	1473	83.4975	23.211	0.6705	0.417	-1.62	-72.0465	1
1473_1474	1473	1474	-152.667	3.087	-0.018	-0.18	-0.546	-204.536	1
1474_1474	1474	1474	81.7395	25.1295	0.6555	0.312	3.1905	-239.753	1
1474_1475	1474	1475	-79.605	8.574	0.3075	0.2475	4.779	-213.53	1
1475_1475	1475	1475	83.1705	28.6365	-2.583	-0.132	8.7975	-420.651	1
1475_1476	1475	1476	-73.068	6.4575	-2.652	0.009	-24.6585	-282.183	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1476_1476	1476	1476	82.461	30.6225	-2.5305	0.8535	-19.551	-733.424	1
1476_1477	1476	1477	-70.707	4.8825	-2.607	0.78	-32.976	-298.677	1
1477_1477	1477	1477	84.006	32.0445	-20.313	-1.26	-28.5735	-840.327	1
1477_1148	1477	1148	-70.8465	4.7115	-4.0095	-0.267	-50.424	-317.988	1
1480_1168	1480	1168	83.4825	-32.232	21.027	1.428	-111.804	-978.042	1
1480_1481	1480	1481	-62.2845	-3.339	4.161	0.2895	-29.022	-237.693	1
1481_1481	1481	1481	83.967	-30.843	2.349	-2.148	-27.045	-845.991	1
1481_1482	1481	1482	-64.1535	-3.342	2.478	-1.071	-20.814	-225.546	1
1482_1482	1482	1482	84.6705	-28.824	2.583	0.5625	-18.2325	-738.408	1
1482_1483	1482	1483	-155.387	3.687	-1.6965	0.3315	-1.5525	-217.37	1
1483_1483	1483	1483	82.698	-25.3005	-0.7335	-0.3135	9.051	-423.599	1
1483_1484	1483	1484	-154.85	-0.3555	0.0435	0.1545	-0.147	-213.44	1
1484_1484	1484	1484	83.2635	-23.3715	-0.723	-0.3675	3.7695	-241.23	1
1484_1485	1484	1485	-163.263	-3.3225	0.063	0.216	0.015	-187.059	1
1485_1485	1485	1485	82.905	-19.779	0.0615	-0.3915	-2.0085	-72.7575	1
1485_1486	1485	1486	-62.5485	18.3465	-0.093	0.24	0.0465	-236.547	1
1486_1486	1486	1486	66.219	13.278	-0.3195	-0.0075	0.999	-98.5965	1
1486_1487	1486	1487	-66.447	16.8945	0.216	-0.0645	2.64	-383.237	1
1487_1487	1487	1487	72.0105	15.222	-0.2805	0.4665	-2.4855	-218.655	1
1487_1488	1487	1488	-68.7075	15.6945	0.0315	0.6315	2.6955	-470.057	1
1488_1488	1488	1488	80.811	-1.329	-5.3295	0.3465	-4.9245	-303.747	1
1488_1489	1488	1489	-63.906	29.631	-0.8385	0.8955	-0.645	-559.106	1
1489_1489	1489	1489	70.2345	-0.096	5.394	-0.12	-23.2905	-309.914	1
1489_1490	1489	1490	-63.9495	-29.5095	0.795	-0.855	1.4415	-471.842	1
1490_1490	1490	1490	68.526	-15.009	0.5865	-0.3705	-7.8105	-310.14	1
1490_1491	1490	1491	-67.7715	-15.5085	-0.0945	-0.396	1.8855	-385.227	1
1491_1491	1491	1491	65.175	-13.4085	0.6015	-0.036	-4.1805	-227.633	1
1491_1492	1491	1492	-63.117	-15.939	-0.3405	0.012	-0.126	-237.995	1
1492_1492	1492	1492	53.8245	-10.5765	-0.0885	-0.1935	0.9375	-110.808	1
1492_1493	1492	1493	-161.243	8.2245	-0.021	-0.0735	1.071	-186.705	1
1493_1493	1493	1493	87.111	23.412	0.6855	0.408	-1.6125	-69.9585	1
1493_1494	1493	1494	-158.592	3.699	-0.054	-0.1695	-0.627	-210.656	1
1494_1494	1494	1494	85.1985	25.461	0.6675	0.2925	3.3075	-239.262	1
1494_1495	1494	1495	-152.918	0.399	-0.0135	-0.1755	-0.573	-212.075	1
1495_1495	1495	1495	87.372	28.9965	-2.5695	0.0345	8.874	-422.793	1
1495_1496	1495	1496	-56.4795	5.484	-2.0025	0.0675	-18.2355	-224.499	1
1496_1496	1496	1496	86.6505	31.0845	-2.5875	0.3375	-19.1505	-739.52	1
1496_1497	1496	1497	-54.5145	4.2855	-1.9035	0.4395	-24.1065	-239.037	1
1497_1497	1497	1497	86.919	32.358	-20.8905	-1.3485	-27.7755	-847.997	1
1497_1184	1497	1184	-54.5295	4.1475	-4.3815	-0.2445	-42.573	-256.029	1
1500_1204	1500	1204	83.5965	-32.709	20.658	1.959	-129.429	-1011.66	1
1500_1501	1500	1501	-80.721	-0.3615	7.554	0.5355	-44.8095	-227.526	1
1501_1501	1501	1501	84.1155	-31.2315	3.9435	-0.2775	-44.826	-877.779	1
1501_1502	1501	1502	-84.5055	-0.159	3.4575	-0.759	-34.3335	-226.788	1
1502_1502	1502	1502	84.8505	-29.1825	3.891	-0.051	-31.2195	-768.812	1
1502_1503	1502	1503	-143.274	0.267	-2.622	0.252	-0.867	-212.967	1
1503_1503	1503	1503	82.8885	-25.815	-0.7515	-0.4245	10.5135	-450.363	1
1503_1504	1503	1504	-140.517	-3.351	-0.0675	0.279	-0.3345	-187.163	1
1504_1504	1504	1504	84.4455	-23.7765	-0.747	-0.5115	5.151	-264.399	1
1504_1505	1504	1505	-147.899	-6.0735	-0.0465	0.348	-1.0695	-140.666	1
1505_1505	1505	1505	86.3535	-19.629	-0.033	-0.5655	-0.747	-95.22	1
1505_1506	1505	1506	-72.522	16.836	0.006	0.183	1.0605	-265.421	1
1506_1506	1506	1506	79.7775	12.123	2.364	0.426	-1.0575	-40.293	1
1506_1507	1506	1507	-71.8005	16.8975	-0.0105	0.333	1.278	-407.835	1
1507_1507	1507	1507	98.7165	15.942	2.295	-0.0885	20.0625	-159.548	1
1507_1508	1507	1508	-72.225	16.1175	0.1485	-0.069	2.8215	-496.325	1
1508_1508	1508	1508	117.4995	-7.4925	-7.215	1.896	34.074	-250.41	1
1508_1509	1508	1509	-66.999	30.945	-0.1695	0.6285	2.7675	-589.614	1
1509_1509	1509	1509	106.3545	5.9625	6.9825	-1.899	11.856	-232.548	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1509_1510	1509	1510	-66.9405	-30.792	-0.0855	-0.579	2.484	-496.595	1
1510_1510	1510	1510	98.2605	-16.068	-2.121	0.1725	31.047	-251.433	1
1510_1511	1510	1511	-71.595	-15.717	-0.141	0.3285	0.3945	-407.514	1
1511_1511	1511	1511	95.721	-13.872	-2.325	-0.5235	19.449	-162.482	1
1511_1512	1511	1512	-72.8565	-14.178	0.264	-0.27	0.288	-263.253	1
1512_1512	1512	1512	69.4665	-9.2445	0.0135	-0.276	-1.326	-44.5845	1
1512_1513	1512	1513	-144.548	10.614	-0.033	-0.168	-0.1995	-146.718	1
1513_1513	1513	1513	92.163	23.298	0.726	0.5835	-0.423	-93.684	1
1513_1514	1513	1514	-150.71	6.276	0.0825	-0.2925	-0.804	-191.127	1
1514_1514	1514	1514	85.8585	25.926	0.69	0.4125	4.569	-264.389	1
1514_1515	1514	1515	-140.222	3.435	0.1515	-0.2715	0.8175	-214.125	1
1515_1515	1515	1515	87.0285	29.331	-3.843	-0.1725	10.2075	-451.668	1
1515_1516	1515	1516	-78.7875	2.574	-3.1485	0.0405	-30.4815	-230.118	1
1516_1516	1516	1516	86.2935	31.4325	-3.789	1.1295	-31.8705	-771.746	1
1516_1517	1516	1517	-76.455	0.8685	-3.0855	0.9135	-40.236	-232.826	1
1517_1517	1517	1517	86.598	32.616	-20.412	-1.8855	-44.8665	-881.481	1
1517_1220	1517	1220	-72.1215	1.005	-8.1075	-0.4545	-71.0715	-236.087	1
1520_1241	1520	1241	98.5605	-36.6075	5.664	5.961	-34.1805	-1106	1
1520_1521	1520	1521	-90.3225	-1.503	4.746	4.4415	-15.7695	-271.403	1
1521_1521	1521	1521	99.813	-34.7355	1.3515	2.439	-10.5465	-957.351	1
1521_1522	1521	1522	-90.4215	-1.0905	0.8175	0.3165	-13.131	-268.554	1
1522_1522	1522	1522	100.6125	-32.361	1.011	-0.543	-6.6975	-836.379	1
1522_1523	1522	1523	-100.359	-2.3175	1.2795	-0.387	-0.6735	-237.269	1
1523_1523	1523	1523	104.301	-28.2615	-0.2475	-0.285	2.7525	-483.749	1
1523_1524	1523	1524	-142.557	-4.5585	-0.87	0.696	6.708	-200.973	1
1524_1524	1524	1524	104.9565	-25.8285	-0.417	-0.8055	0.786	-280.049	1
1524_1525	1524	1525	-121.559	-3.492	0.555	-0.621	4.47	-157.143	1
1525_1525	1525	1525	104.385	-21.3885	-0.417	-0.744	-3.1095	-95.334	1
1525_1526	1525	1526	-89.361	18.7635	0.219	0.282	6.297	-294.359	1
1526_1526	1526	1526	83.319	12.9495	5.4495	0.834	8.7525	-48.6075	1
1526_1527	1526	1527	-89.5545	17.8485	-0.8265	0.6375	-0.156	-445.22	1
1527_1527	1527	1527	120.1965	19.4295	-3.705	0.153	-34.4415	-187.446	1
1527_1528	1527	1528	-90.159	16.701	-0.2475	-0.2025	2.3835	-537.08	1
1528_1528	1528	1528	113.865	-6.174	8.1525	-3.8265	-60.3045	-293.526	1
1528_1529	1528	1529	-84.555	35.025	-0.342	0.3765	0.4305	-642.413	1
1529_1529	1529	1529	109.4025	4.8315	6.0795	4.041	-33.6825	-278.405	1
1529_1530	1529	1530	-84.1905	-35.1405	-0.6105	-0.1485	0.762	-535.937	1
1530_1530	1530	1530	100.2675	-18.306	1.1385	-0.4035	-16.1625	-293.004	1
1530_1531	1530	1531	-89.1075	-16.236	-0.7005	0.3015	0.3375	-442.26	1
1531_1531	1531	1531	99.4335	-16.1745	0.969	-0.444	-9.4395	-191.261	1
1531_1532	1531	1532	-88.53	-15.669	-1.0185	-0.129	-5.112	-289.242	1
1532_1532	1532	1532	75.7155	-11.5815	0.351	-0.432	-0.582	-53.3565	1
1532_1533	1532	1533	-116.921	9.1125	-0.465	0.615	-6.1635	-158.741	1
1533_1533	1533	1533	113.238	25.6605	-0.6555	0.723	-8.016	-96.7755	1
1533_1534	1533	1534	-99.6315	8.6055	-0.5175	0.5925	-9.396	-213.101	1
1534_1534	1534	1534	108.1305	28.716	-0.729	0.7515	-12.2205	-284.951	1
1534_1535	1534	1535	-93.9435	6.9615	-0.435	0.609	-12.1965	-260.589	1
1535_1535	1535	1535	109.1115	32.61	-1.908	0.564	-16.653	-491.786	1
1535_1536	1535	1536	-84.9195	4.4685	-1.3365	0.408	-26.2065	-307.682	1
1536_1536	1536	1536	108.285	35.2485	-2.1	-0.168	-37.0215	-847.833	1
1536_1537	1536	1537	-81.4455	2.745	-1.071	0.4095	-28.3275	-317.037	1
1537_1537	1537	1537	108.561	36.522	-4.137	-4.788	-44.4615	-971.84	1
1537_1255	1537	1255	-80.8785	2.781	-4.1745	-3.2775	-45.6825	-329.16	1
1540_1279	1540	1279	97.014	-36.5715	8.4135	7.593	-19.9545	-1118.35	1
1540_1541	1540	1541	-123.704	-0.744	-7.2225	-5.256	-28.3785	-352.383	1
1541_1541	1541	1541	100.6005	-34.5405	0.243	2.1195	13.908	-970.562	1
1541_1542	1541	1542	-131.045	-2.031	1.935	0.753	-21.138	-342.015	1
1542_1542	1542	1542	101.409	-32.088	0.0495	-0.0255	14.2785	-849.972	1
1542_1543	1542	1543	-138.095	-4.8375	2.319	0.5835	2.535	-287.091	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1543_1543	1543	1543	100.221	-28.53	-0.735	0.264	13.8405	-499.154	1
1543_1544	1543	1544	-133.224	-7.875	-0.438	0.942	0.5655	-228.576	1
1544_1544	1544	1544	104.4255	-25.6335	-1.122	-1.188	8.5845	-296.292	1
1544_1545	1544	1545	-133.727	-0.954	-0.0465	-0.8445	8.7555	-167.079	1
1545_1545	1545	1545	104.739	-21.0915	-1.0575	-0.882	-0.216	-114.882	1
1545_1546	1545	1546	-96.4965	17.2575	0.0645	0.2805	6.0795	-300.738	1
1546_1546	1546	1546	105.0855	19.3815	-6.6165	-0.162	-12.012	-72.2655	1
1546_1547	1546	1547	-92.301	17.847	-1.9755	0.675	-8.259	-447.881	1
1547_1547	1547	1547	118.8645	22.722	-7.476	0.9495	-78.495	-249.95	1
1547_1548	1547	1548	-92.1075	16.815	-1.161	0.141	-7.6875	-539.052	1
1548_1548	1548	1548	102.7215	-2.8455	10.497	-12.825	-122.688	-371.682	1
1548_1549	1548	1549	-87.2895	35.6055	-0.2925	-0.4545	-8.1075	-645.594	1
1549_1549	1549	1549	100.6605	-0.6975	3.342	14.2275	-91.2555	-372.056	1
1549_1550	1549	1550	-87.606	-36.2565	-0.897	1.137	-8.925	-538.365	1
1550_1550	1550	1550	92.097	-22.08	5.1255	-1.0755	-83.2065	-369.267	1
1550_1551	1550	1551	-91.845	-15.819	-0.6615	0.378	-6.0525	-446.793	1
1551_1551	1551	1551	88.467	-19.6125	4.8105	-0.1305	-52.3845	-244.914	1
1551_1552	1551	1552	-87.705	-14.436	-2.0025	0.108	-9.2655	-303.992	1
1552_1552	1552	1552	72.2835	-15.486	1.587	-0.5535	-11.19	-83.8155	1
1552_1553	1552	1553	-109.578	11.8575	-1.677	0.819	-14.604	-188.303	1
1553_1553	1553	1553	118.692	27.0645	-1.104	0.9315	-10.7175	-79.233	1
1553_1554	1553	1554	-95.7015	12.2265	-0.7305	0.8295	-19.161	-264.546	1
1554_1554	1554	1554	113.9385	30.2985	-1.2255	1.0395	-17.703	-270.258	1
1554_1555	1554	1555	-91.8225	10.4955	-0.6255	0.9825	-23.1315	-336.933	1
1555_1555	1555	1555	114.3195	34.7745	-1.488	1.005	-25.89	-483.756	1
1555_1556	1555	1556	-81.555	8.0865	-0.381	0.8055	-26.4765	-420.776	1
1556_1556	1556	1556	113.304	37.944	-1.7295	0.171	-41.172	-854.007	1
1556_1557	1556	1557	-77.9985	6.216	-0.066	0.504	-24.5205	-441.003	1
1557_1557	1557	1557	113.3235	39.4485	-2.7285	-3.0645	-47.3475	-985.305	1
1557_1291	1557	1291	-77.1465	5.598	-2.5605	-1.179	-39.198	-473.06	1
41000_1000	41000	1000	-1.782	-7.854	1.4325	-2.712	0	-13.6215	1
41000_1001	41000	1001	1.296	8.256	-1.8765	2.64	-31.9035	-129.711	1
41001_1001	41001	1001	2.814	35.631	-1.2585	11.4915	-21.5055	-1524.83	1
41001_1002	41001	1002	1.473	8.31	-1.794	2.9745	-50.028	-219.701	1
41002_1002	41002	1002	3.4185	30.045	0.801	7.038	-39.4485	-2251.98	1
41002_1003	41002	1003	1.5945	8.4105	2.436	2.5635	-20.325	-322.221	1
41003_1003	41003	1003	3.666	11.6835	0.825	10.2015	-30.5865	-2913.95	1
41003_1004	41003	1004	1.593	8.4105	2.4375	2.826	9.396	-424.775	1
41004_1004	41004	1004	4.098	8.4645	0.5835	4.401	-20.382	-3417.83	1
41004_1005	41004	1005	1.5555	8.4015	1.0875	2.2725	22.6605	-527.196	1
41005_1005	41005	1005	4.422	-0.2475	0.498	8.9685	-11.205	-3821.12	1
41005_1006	41005	1006	1.5555	8.4015	1.089	2.7015	35.943	-629.67	1
41006_1006	41006	1006	4.644	-1.068	0.435	1.746	-2.4765	-4063.62	1
41006_1007	41006	1007	1.545	8.721	0.6	1.926	43.254	-735.947	1
41007_1007	41007	1007	4.7805	-9.147	0.2985	6.6165	6.5025	-4254.54	1
41007_1008	41007	1008	1.5435	8.721	0.6015	2.526	50.5815	-842.279	1
41008_1008	41008	1008	4.8465	-9.0825	0.486	-0.693	13.5195	-4309.27	1
41008_1009	41008	1009	1.5675	9.0795	0.5415	1.5525	57.0165	-952.869	1
41009_1009	41009	1009	4.848	-16.8	0.3375	3.87	23.478	-4336.25	1
41009_1010	41009	1010	1.5675	9.0795	0.543	2.235	63.6345	-1063.61	1
41010_1010	41010	1010	4.848	-43.5	0.8505	-7.422	24.579	-4249.56	1
41010_1011	41010	1011	1.566	9.549	0.567	0.4365	70.539	-1179.99	1
41011_1011	41011	1011	4.845	-51.09	0.699	0.7965	36.2535	-4180.65	1
41011_1012	41011	1012	1.566	9.549	0.5685	2.4765	77.472	-1296.31	1
41012_1012	41012	1012	4.7895	-51.927	1.044	-4.7235	45.069	-3996.34	1
41012_1013	41012	1013	1.5645	10.053	0.507	1.413	83.646	-1418.9	1
41013_1013	41013	1013	4.683	-59.361	0.8565	-6.1545	58.038	-3786.25	1
41013_1014	41013	1014	1.566	10.053	0.5055	0.258	89.802	-1541.47	1
41014_1014	41014	1014	4.5285	-64.299	0.0105	-6.4335	66.7755	-3471.62	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41014_1015	41014	1015	1.566	10.1355	0.1995	0.9135	93.1365	-1711.08	1
41015_1015	41015	1015	4.8825	-71.9565	-0.186	-8.5035	63.195	-2959.51	1
41015_1016	41015	1016	1.5435	10.194	0.198	-2.2875	93.5805	-1793.93	1
41016_1016	41016	1016	5.994	-73.308	-2.3565	-6.282	59.7195	-2656.56	1
41016_1017	41016	1017	1.371	10.371	-0.432	0.843	88.584	-1915.69	1
41017_1017	41017	1017	7.83	-79.662	-2.3685	-8.9625	30.4065	-2218.66	1
41017_1018	41017	1018	1.1145	10.401	-0.4335	-4.2735	82.671	-2053.86	1
41018_1018	41018	1018	6.7695	-55.365	3.0645	-3.306	16.473	-1697	1
41018_1019	41018	1019	0.8745	10.1415	1.602	-0.7785	102.294	-2180.56	1
41019_1019	41019	1019	8.334	-60.531	1.9065	-4.8285	49.6365	-1189.65	1
41019_1020	41019	1020	0.6105	10.161	1.6005	-7.1145	121.971	-2308.29	1
41020_1020	41020	1020	-112.725	-5.8575	-8.877	-0.7605	284.43	-1125.98	1
41020_1021	41020	1021	70.9875	-28.611	-1.7355	-2.64	82.581	-941.562	1
41021_1021	41021	1021	-102.066	-9.9585	-8.5125	1.2405	187.737	-1298.39	1
41021_1022	41021	1022	88.641	-19.7595	-3.552	-2.4435	103.236	-737.958	1
41022_1022	41022	1022	-93.621	-13.905	-8.0835	0.5595	112.044	-1413.57	1
41022_1023	41022	1023	114.573	-5.6625	-5.6955	-2.2125	114.864	-643.287	1
41023_1023	41023	1023	-85.149	-17.3295	-1.3635	-1.2405	42.024	-1515.28	1
41023_1024	41023	1024	110.565	-3.486	-2.895	-2.334	96.18	-606.281	1
41024_1024	41024	1024	-77.094	-22.065	-1.194	-0.24	25.194	-1603.94	1
41024_1025	41024	1025	108.063	-2.877	-2.883	-2.253	73.8375	-581.45	1
41025_1025	41025	1025	-69.8835	-27.2655	-0.9315	-1.2285	11.04	-1667.9	1
41025_1026	41025	1026	102.1665	-1.983	-2.952	-2.823	50.9775	-562.698	1
41026_1026	41026	1026	-64.092	-29.97	-0.4035	-0.549	0.6705	-1709.35	1
41026_1027	41026	1027	102.1665	-1.764	-2.136	-2.1315	38.172	-552.116	1
41027_1027	41027	1027	-60.5865	-34.26	-0.2145	-2.8935	-3.108	-1734.88	1
41027_1028	41027	1028	98.9955	-1.4505	-2.3145	-3.0675	24.6735	-543.153	1
41028_1028	41028	1028	-57.9465	-38.7885	-0.1515	-1.8765	-5.3415	-1743.19	1
41028_1029	41028	1029	97.7565	-1.3545	-2.2905	-2.9385	11.0895	-534.572	1
41029_1029	41029	1029	-55.4895	-20.1315	0.2715	1.2645	-6.9015	-1726.73	1
41029_1030	41029	1030	95.0115	-1.1505	-2.295	-2.967	-2.2845	-527.361	1
41030_1030	41030	1030	-57.2445	-21.4845	0.7245	-1.146	-4.7715	-1701.38	1
41030_1031	41030	1031	95.0055	-0.7185	-3	-3.5445	-26.2665	-521.606	1
41031_1031	41031	1031	-60.6555	-27.1695	0.8985	-0.339	3.39	-1658.7	1
41031_1032	41031	1032	91.374	-0.5355	-2.9475	-3.4965	-48.6855	-516.702	1
41032_1032	41032	1032	-65.406	-32.4165	1.059	0.8715	14.79	-1592.82	1
41032_1033	41032	1033	143.223	8.586	2.526	3.1005	76.8435	-561.861	1
41033_1033	41033	1033	-70.9455	-36.387	7.7535	0.744	28.8855	-1500.68	1
41033_1034	41033	1034	109.3965	19.695	4.2075	5.718	87.5595	-676.959	1
41034_1034	41034	1034	-77.0085	-40.857	8.2425	0.465	97.725	-1392.29	1
41034_1035	41034	1035	85.1655	28.2075	2.2515	5.8305	75.495	-866.741	1
41035_1035	41035	1035	-83.1	-44.901	9.336	-7.674	171.8625	-1247.28	1
41035_1036	41035	1036	68.676	37.2525	-0.1785	-1.35	32.6085	-1198.64	1
41036_1036	41036	1036	-12.627	-10.611	-0.552	-1.452	5.415	-716.492	1
41036_1037	41036	1037	38.577	-15.177	-0.9315	5.2845	66.606	-1985.1	1
41037_1037	41037	1037	30.702	3.2055	-1.4205	1.947	38.439	-1072.84	1
41037_1038	41037	1038	38.9625	-14.1555	-0.963	1.9515	54.7755	-1807.64	1
41038_1038	41038	1038	36.7425	-1.392	1.551	2.9325	11.379	-1495.41	1
41038_1039	41038	1039	39.3255	-13.527	0.7245	3.159	64.2735	-1628.42	1
41039_1039	41039	1039	42.7875	-6.579	1.869	2.4555	28.4235	-1892.17	1
41039_1040	41039	1040	39.6495	-12.546	0.69	0.138	72.492	-1477.02	1
41040_1040	41040	1040	47.463	-9.3585	0.4995	2.451	50.106	-2200.23	1
41040_1041	41040	1041	39.8355	-11.9025	-0.402	0.903	69.147	-1378.94	1
41041_1041	41041	1041	50.2335	-15.1365	0.5835	2.3835	55.0695	-2391.04	1
41041_1042	41041	1042	39.9405	-11.5455	-0.411	0.078	62.442	-1179.48	1
41042_1042	41042	1042	53.883	-18.0405	0.093	1.194	68.1555	-2720.42	1
41042_1043	41042	1043	39.9435	-11.2905	-0.1155	-0.2235	61.062	-1044.24	1
41043_1043	41043	1043	54.87	1.2555	0.096	3.891	73.4385	-2935.16	1
41043_1044	41043	1044	39.9435	-11.2905	-0.1485	-1.092	59.283	-908.979	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41044_1044	41044	1044	53.577	-1.0815	-0.0375	2.4735	74.6475	-3082.86	1
41044_1045	41044	1045	39.9435	-11.16	-0.2565	-1.0485	56.2155	-775.311	1
41045_1045	41045	1045	51.7725	-9.096	-0.06	1.6875	74.28	-3200.99	1
41045_1046	41045	1046	11.028	11.547	0.477	1.653	57.429	-678.168	1
41046_1046	41046	1046	49.596	-11.2395	0.0945	-0.0555	73.2945	-3219.55	1
41046_1047	41046	1047	11.4765	11.619	0.408	1.68	62.169	-817.275	1
41047_1047	41047	1047	51.693	-44.982	0.006	-4.05	74.121	-3214.52	1
41047_1048	41047	1048	11.478	11.619	0.399	1.053	66.9495	-956.412	1
41048_1048	41048	1048	49.5075	-47.295	-0.003	-4.41	74.73	-3110.71	1
41048_1049	41048	1049	11.4765	11.748	0.336	1.5285	70.9845	-1097.22	1
41049_1049	41049	1049	47.01	-55.2165	-0.09	-7.239	74.9625	-2978.33	1
41049_1050	41049	1050	11.478	11.748	0.318	-0.2295	74.793	-1237.87	1
41050_1050	41050	1050	37.6455	-31.6455	-0.621	-3.7125	70.7595	-2767.12	1
41050_1051	41050	1051	11.4795	11.922	0.393	0.5295	81.1905	-1432.15	1
41051_1051	41051	1051	32.5785	-40.8345	-0.5325	-5.3625	59.187	-2451.73	1
41051_1052	41051	1052	11.3775	12.0195	0.3765	-2.205	84.2745	-1532.23	1
41052_1052	41052	1052	30.2805	-41.952	-2.1945	-3.8715	54.3705	-2249.07	1
41052_1053	41052	1053	11.1795	12.201	-0.3405	0.255	80.3145	-1675.62	1
41053_1053	41053	1053	27.165	-47.436	-1.977	-5.826	30.87	-1953.35	1
41053_1054	41053	1054	11.133	12.5145	-0.3705	-3.9645	74.643	-1845.32	1
41054_1054	41054	1054	23.574	-52.6935	2.988	-3.657	13.5615	-1550.42	1
41054_1055	41054	1055	11.0325	12.4695	1.4295	-1.77	92.1315	-2001.51	1
41055_1055	41055	1055	20.781	-58.017	1.95	-4.056	47.307	-1121.94	1
41055_1056	41055	1056	10.905	12.7905	1.425	-5.868	109.149	-2161.91	1
41056_1056	41056	1056	-105.66	-6.819	-7.9845	-0.588	246.1725	-1183.98	1
41056_1057	41056	1057	88.089	-23.1645	-2.4195	-2.9055	94.8315	-864.465	1
41057_1057	41057	1057	-97.566	-11.148	-7.7475	0.2235	160.038	-1364.79	1
41057_1058	41057	1058	114.9705	-10.3485	-4.599	-2.457	122.541	-717.95	1
41058_1058	41058	1058	-91.1025	-15.21	-7.509	1.3125	91.794	-1497.91	1
41058_1059	41058	1059	113.5125	-5.4345	-4.839	-2.127	98.235	-663.521	1
41059_1059	41059	1059	-84.4335	-18.5415	-1.035	-0.0825	27.4665	-1612.3	1
41059_1060	41059	1060	107.8755	-3.7845	-2.37	-2.2155	81.6645	-627.726	1
41060_1060	41060	1060	-78.132	-23.31	-0.8205	-0.8595	14.4435	-1711.08	1
41060_1061	41060	1061	103.524	-3.0825	-2.4675	-2.853	62.607	-600.378	1
41061_1061	41061	1061	-72.489	-28.4805	-0.609	-2.0475	4.1595	-1781.68	1
41061_1062	41061	1062	99.2745	-2.5665	-2.562	-3.5595	42.588	-577.988	1
41062_1062	41062	1062	-68.004	-31.1145	-0.3465	-0.1665	-3.0645	-1826.99	1
41062_1063	41062	1063	96.4245	-2.0685	-1.8945	-2.4525	31.6605	-564.63	1
41063_1063	41063	1063	-65.325	-35.328	-0.1845	-2.13	-6.093	-1853.99	1
41063_1064	41063	1064	93.339	1.605	2.031	3.3135	12.399	-570.101	1
41064_1064	41064	1064	-61.503	-15.933	0.1575	1.3125	-8.646	-1862.92	1
41064_1065	41064	1065	98.3625	1.9245	2.034	3.345	23.8965	-580.512	1
41065_1065	41065	1065	-62.5485	-20.328	0.3165	-0.957	-7.1955	-1851.92	1
41065_1066	41065	1066	98.3655	1.9245	1.8705	2.379	35.118	-592.068	1
41066_1066	41066	1066	-64.332	-21.5115	0.5415	0.2025	-4.3935	-1822.74	1
41066_1067	41066	1067	103.854	2.6595	2.526	3.3435	54.5205	-612.891	1
41067_1067	41067	1067	-67.68	-27.0915	0.7605	-0.9135	2.8455	-1775.35	1
41067_1068	41067	1068	112.773	3.7365	2.427	2.7315	72.45	-638.99	1
41068_1068	41068	1068	-72.288	-32.235	0.8685	0.3285	13.0245	-1703.45	1
41068_1069	41068	1069	119.424	5.0925	2.4255	2.925	89.7165	-674.015	1
41069_1069	41069	1069	-77.544	-35.847	7.29	-2.355	25.056	-1604.99	1
41069_1070	41069	1070	124.158	10.152	4.7685	2.4525	115.9695	-729.56	1
41070_1070	41070	1070	-83.343	-40.2465	7.635	-1.332	89.8245	-1491.36	1
41070_1071	41070	1071	96.3	23.3565	2.55	3.39	89.772	-876.506	1
41071_1071	41071	1071	-89.121	-44.2635	7.9395	-0.654	158.6205	-1354.32	1
41071_1072	41071	1072	76.8765	33.951	0.591	3.708	48.2055	-1165.68	1
41072_1072	41072	1072	19.5885	7.7925	-1.002	2.2245	55.227	-649.281	1
41072_1073	41072	1073	17.8095	-12.732	-1.3455	5.7015	84.435	-2040.57	1
41073_1073	41073	1073	24.528	3.354	-1.9395	1.929	46.9155	-1129.19	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41073_1074	41073	1074	18.1335	-12.2625	-1.3605	1.9575	67.623	-1886.87	1
41074_1074	41074	1074	29.724	-1.218	1.536	3.6495	13.2525	-1571.49	1
41074_1075	41074	1075	18.459	-12.1185	0.5175	3.9915	74.3175	-1726.25	1
41075_1075	41075	1075	34.9785	-6.618	1.9035	1.932	30.3165	-1986.5	1
41075_1076	41075	1076	18.327	-11.613	0.483	-0.219	80.5995	-1583.61	1
41076_1076	41076	1076	38.9925	-9.1605	0.528	3.579	53.5965	-2319.86	1
41076_1077	41076	1077	18.4995	-11.1975	-0.201	2.0715	78.894	-1491.34	1
41077_1077	41077	1077	41.2995	-13.902	0.501	1.3005	59.2455	-2564.96	1
41077_1078	41077	1078	18.594	-11.0385	-0.225	-0.5865	75.573	-1334.23	1
41078_1078	41078	1078	45.8385	10.062	-0.18	5.28	72.399	-2945.82	1
41078_1079	41078	1079	18.594	-10.95	-0.2655	0.2385	72.579	-1211.05	1
41079_1079	41079	1079	45.7155	2.9025	-0.288	4.0215	70.869	-3203.07	1
41079_1080	41079	1080	17.295	-10.9185	-0.294	-0.8805	69.9195	-1087.75	1
41080_1080	41080	1080	45.2625	1.194	-0.081	3.552	67.134	-3375.94	1
41080_1081	41080	1081	17.2935	-10.827	-0.3915	-0.642	65.5095	-965.862	1
41081_1081	41081	1081	44.547	-6.0165	-0.1665	2.121	66.1995	-3523.07	1
41081_1082	41081	1082	17.292	-10.827	-0.4065	-1.4985	60.9255	-843.954	1
41082_1082	41082	1082	43.6575	-7.323	0.0495	2.6535	63.807	-3580.67	1
41082_1083	41082	1083	17.292	-10.7415	-0.402	-1.0245	56.07	-713.996	1
41083_1083	41083	1083	44.562	-41.4705	-0.0375	-4.71	64.7955	-3614.86	1
41083_1084	41083	1084	7.4955	9.8295	0.477	0.84	58.7235	-827.183	1
41084_1084	41084	1084	43.599	-43.287	0.321	-2.5935	63.4155	-3564.29	1
41084_1085	41084	1085	7.4955	9.9105	0.4785	1.7205	64.1085	-938.771	1
41085_1085	41085	1085	42.564	-50.4165	0.1815	-6.9765	66.513	-3493.31	1
41085_1086	41085	1086	7.9365	9.9225	0.4605	0.057	69.054	-1050.41	1
41086_1086	41086	1086	41.394	-51.9285	0.288	-4.392	67.665	-3332.95	1
41086_1087	41086	1087	7.9365	10.071	0.3795	1.32	73.329	-1163.79	1
41087_1087	41087	1087	40.0905	-59.04	0.1335	-8.1645	70.083	-3152.74	1
41087_1088	41087	1088	7.9365	10.071	0.366	-0.747	77.4435	-1277.16	1
41088_1088	41088	1088	38.592	-61.7355	-0.1815	-7.992	69.879	-2889.82	1
41088_1089	41088	1089	8.2455	10.182	0.4905	-0.3585	84.093	-1422.28	1
41089_1089	41089	1089	31.269	-42.126	-0.1305	-2.8215	62.01	-2529.19	1
41089_1090	41089	1090	8.157	10.254	0.4935	-0.828	88.1595	-1505.28	1
41090_1090	41090	1090	29.652	-43.2045	-2.2155	-4.3965	59.391	-2299.61	1
41090_1091	41090	1091	8.343	10.326	-0.4305	-0.27	82.659	-1626.61	1
41091_1091	41091	1091	27.273	-48.5925	-1.9785	-4.944	34.779	-1964.26	1
41091_1092	41091	1092	8.079	10.533	-0.435	-3.321	76.812	-1767.74	1
41092_1092	41092	1092	24.2565	-53.505	3.1785	-2.991	16.2945	-1527.99	1
41092_1093	41092	1093	7.842	10.449	1.59	-0.801	96.9795	-1898.8	1
41093_1093	41093	1093	21.8175	-58.6995	2.187	-4.2705	52.032	-1080.35	1
41093_1094	41093	1094	-47.148	53.9655	-4.0605	7.9335	-116.162	-2178.62	1
41094_1094	41094	1094	-107.579	-6.7515	-7.6215	-0.1845	234.1245	-1172.33	1
41094_1095	41094	1095	83.3985	-22.8705	-2.2485	-2.484	90.7395	-847.373	1
41095_1095	41095	1095	-99.258	-11.115	-7.4295	1.2405	151.878	-1352.28	1
41095_1096	41095	1096	105.6915	-10.7565	-4.155	-1.7775	116.445	-698.993	1
41096_1096	41096	1096	-92.625	-15.2355	-6.9585	-1.3455	86.4495	-1486.31	1
41096_1097	41096	1097	103.044	-5.508	-4.737	-3.1935	94.368	-641.246	1
41097_1097	41097	1097	-85.716	-18.5715	-0.969	-0.669	26.7315	-1600.61	1
41097_1098	41097	1098	97.8825	-3.9195	-2.625	-2.4045	76.0125	-605.346	1
41098_1098	41098	1098	-79.167	-23.418	-0.744	-1.7325	14.58	-1699.55	1
41098_1099	41098	1099	91.482	-2.8275	-2.73	-3.0255	55.3755	-579.509	1
41099_1099	41099	1099	-73.251	-28.707	-0.624	-0.759	5.262	-1769.26	1
41099_1100	41099	1100	96.4065	0.8595	2.403	3.798	-7.9965	-563.141	1
41100_1100	41100	1100	-68.4735	-30.8115	0.072	-10.548	-1.6395	-1812.28	1
41100_1101	41100	1101	98.676	1.6335	1.6275	0.0705	1.29	-572.705	1
41101_1101	41101	1101	-65.5455	-35.019	0.1245	-10.896	-1.893	-1840.1	1
41101_1102	41101	1102	100.326	1.7385	1.629	0.1185	10.704	-582.554	1
41102_1102	41102	1102	-60.267	-15.729	-0.1935	12.813	-0.735	-1853.49	1
41102_1103	41102	1103	102.477	1.872	2.8185	6.9255	27.1485	-593.747	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41103_1103	41103	1103	-60.978	-20.1525	-0.0255	9.1905	-0.8355	-1846.42	1
41103_1104	41103	1104	107.3535	2.241	2.6865	6	42.4365	-606.063	1
41104_1104	41104	1104	-62.4	-20.721	0.4395	0.648	0.5025	-1820.1	1
41104_1105	41104	1105	110.79	3.033	2.7315	3.477	63.7365	-628.977	1
41105_1105	41105	1105	-65.2275	-26.454	0.672	-0.6435	7.758	-1780.09	1
41105_1106	41105	1106	117.2655	3.8565	2.619	2.766	83.64	-656.193	1
41106_1106	41106	1106	-69.2835	-31.7565	0.801	0.381	18.1785	-1712.46	1
41106_1107	41106	1107	124.5675	5.466	2.6145	2.9085	101.9415	-690.731	1
41107_1107	41107	1107	-74.043	-35.433	6.786	-1.929	30.726	-1615.47	1
41107_1108	41107	1108	128.2515	8.8875	4.5015	2.4915	128.868	-740.832	1
41108_1108	41108	1108	-79.254	-39.978	7.1235	-0.984	92.4105	-1501.8	1
41108_1109	41108	1109	99.2205	22.359	2.469	3.318	97.9395	-865.268	1
41109_1109	41109	1109	-84.381	-44.139	7.4445	-0.885	158.097	-1363.28	1
41109_1110	41109	1110	77.841	33.174	0.5565	3.336	53.5185	-1133.6	1
41110_1110	41110	1110	-2.616	-3.444	-0.3525	2.076	43.5345	-744.503	1
41110_1111	41110	1111	21.9015	-13.8945	-1.6725	6.6225	102.6675	-2052.53	1
41111_1111	41111	1111	26.9805	2.4795	-2.316	1.0035	59.6535	-1147.26	1
41111_1112	41111	1112	21.7425	-13.2495	-1.7025	0.588	82.53	-1886.23	1
41112_1112	41112	1112	32.85	-2.1615	1.3485	3.384	23.679	-1573.67	1
41112_1113	41112	1113	22.0665	-13.083	0.27	3.81	85.8345	-1712.67	1
41113_1113	41113	1113	38.9895	-7.773	1.635	1.7385	39.8385	-1971.42	1
41113_1114	41113	1114	22.389	-12.522	0.2415	-0.5355	88.797	-1561.84	1
41114_1114	41114	1114	43.9815	-10.542	0.297	5.0715	60.216	-2275.21	1
41114_1115	41114	1115	22.5855	-12.2445	-0.4845	2.9505	84.7395	-1460.85	1
41115_1115	41115	1115	47.0955	-15.3435	0.222	0.594	64.026	-2480.11	1
41115_1116	41115	1116	21.756	-12.0195	-0.537	-1.011	77.5125	-1284.16	1
41116_1116	41116	1116	51.4155	-18.5925	-0.2655	1.4445	69.7365	-2772.37	1
41116_1117	41116	1117	21.756	-11.8425	-0.465	-0.018	72.2805	-1150.92	1
41117_1117	41117	1117	56.673	0.9225	-0.4995	3.756	68.5455	-2973.09	1
41117_1118	41117	1118	21.7545	-11.8425	-0.4845	-1.041	66.831	-1017.67	1
41118_1118	41118	1118	57.2685	-0.54	-0.333	4.4025	61.9965	-3108.26	1
41118_1119	41118	1119	21.7545	-11.715	-0.5475	-0.45	60.6705	-885.735	1
41119_1119	41119	1119	57.5325	-8.0685	-0.4695	0.4995	57.6765	-3224.23	1
41119_1120	41119	1120	21.753	-11.715	-0.585	-2.01	54.084	-753.917	1
41120_1120	41120	1120	57.222	-35.157	-0.2265	-2.5065	52.7835	-3257.22	1
41120_1121	41120	1121	21.753	-11.6385	-0.5565	-1.5105	47.349	-613.074	1
41121_1121	41121	1121	57.522	-43.008	-0.33	-3.3975	48.9945	-3274.16	1
41121_1122	41121	1122	20.928	6.885	0.1515	0.8865	34.302	-512.786	1
41122_1122	41122	1122	57.504	-44.814	-0.048	-4.4655	43.722	-3187.49	1
41122_1123	41122	1123	20.9295	6.957	0.1845	0.9795	36.3855	-591.137	1
41123_1123	41123	1123	57.2265	-52.2135	-0.144	-5.4615	42.42	-3085.15	1
41123_1124	41123	1124	20.9295	6.957	0.1665	0.4605	38.259	-669.416	1
41124_1124	41124	1124	56.709	-53.697	0.1275	-5.0505	39.9825	-2893.77	1
41124_1125	41124	1125	20.9295	7.095	0.1335	0.924	39.756	-749.31	1
41125_1125	41125	1125	55.9065	-61.071	-0.027	-7.917	41.0025	-2685.52	1
41125_1126	41125	1126	20.9295	7.095	0.096	-0.4005	40.836	-829.133	1
41126_1126	41126	1126	50.382	-36.54	-0.9255	-3.7875	38.2815	-2399.99	1
41126_1127	41126	1127	21.3285	7.287	0.0195	0.2325	40.6215	-930.741	1
41127_1127	41127	1127	46.6425	-44.1105	-0.933	-3.9405	25.266	-2058.85	1
41127_1128	41127	1128	21.2655	7.4685	-0.0045	-1.1445	40.5825	-986.757	1
41128_1128	41128	1128	44.391	-44.463	-2.292	-3.4065	17.859	-1836.77	1
41128_1129	41128	1129	21.2295	7.941	-0.438	0.3645	35.3175	-1080.03	1
41129_1129	41129	1129	40.863	-49.5345	-2.115	-5.226	-4.9965	-1538.06	1
41129_1130	41129	1130	-59.829	43.65	1.9515	6.744	26.967	-1463.48	1
41130_1130	41130	1130	36.135	-54.033	3.9	-3.0375	-21.2505	-1145.87	1
41130_1131	41130	1131	-61.1205	49.3605	-3.2235	7.419	-7.7265	-2030.07	1
41131_1131	41131	1131	31.89	-58.995	3.0585	-2.6325	29.6205	-749.396	1
41131_1132	41131	1132	-62.4405	56.2065	-3.918	6.7755	-60.7785	-2684.89	1
41132_1132	41132	1132	-112.761	-3.4095	-6.777	-6.4215	194.8485	-890.147	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41132_1133	41132	1133	103.071	-4.359	2.5035	0.0765	-72.069	-734.45	1
41133_1133	41133	1133	-102.947	-8.2695	-6.945	-3.9165	125.2755	-1120.45	1
41133_1134	41133	1134	103.068	-4.359	2.637	0.462	-51.63	-678.725	1
41134_1134	41134	1134	-94.959	-12.8475	-8.334	15.5445	66.396	-1275.09	1
41134_1135	41134	1135	103.0155	-4.359	4.233	10.9695	-18.8235	-644.855	1
41135_1135	41135	1135	-87.1455	-15.219	-0.0465	-1.1655	-1.614	-1412.83	1
41135_1136	41135	1136	106.281	-3.195	1.245	2.9385	-9.9075	-618.819	1
41136_1136	41136	1136	-79.4835	-20.4915	-0.0885	1.4415	-3.9375	-1542.42	1
41136_1137	41136	1137	108.6555	-3.1245	1.395	3.756	0.6045	-593.301	1
41137_1137	41137	1137	-72.4545	-26.2095	0.0585	0.3315	-5.778	-1637.76	1
41137_1138	41137	1138	108.657	-3.1245	1.2585	3.015	10.6785	-568.301	1
41138_1138	41138	1138	-56.307	-6.684	0.1155	1.5135	-5.352	-1710.11	1
41138_1139	41138	1139	110.391	-2.5875	1.2075	2.487	17.628	-552.366	1
41139_1139	41139	1139	-55.2495	-11.7285	0.234	-0.798	-4.107	-1760.25	1
41139_1140	41139	1140	112.656	-2.487	1.023	1.575	23.4225	-537.399	1
41140_1140	41140	1140	-54.819	-16.743	0.2445	-0.111	-1.92	-1779.67	1
41140_1141	41140	1141	115.5915	-2.319	1.0245	1.614	29.112	-522.785	1
41141_1141	41141	1141	-54.9915	-21.6495	0.159	3.4605	0.45	-1767.97	1
41141_1142	41141	1142	117.7215	-2.184	1.221	2.5125	36.0915	-509.397	1
41142_1142	41142	1142	-55.9215	-22.7445	0.1935	-2.082	2.376	-1734.85	1
41142_1143	41142	1143	123.804	-1.3695	1.386	1.3335	46.0515	-496.296	1
41143_1143	41143	1143	-58.1385	-28.938	0.273	-1.233	6.1935	-1679.38	1
41143_1144	41143	1144	55.716	3.8265	-1.2495	-2.4825	-27.669	-491.912	1
41144_1144	41144	1144	-61.6035	-34.6635	0.2535	1.5825	11.3145	-1592.68	1
41144_1145	41144	1145	52.6185	3.918	-1.1595	-1.7955	-35.8695	-522.975	1
41145_1145	41145	1145	-65.9055	-38.475	5.9325	-3.036	16.755	-1472.71	1
41145_1146	41145	1146	102.9465	18.7605	1.527	2.499	48.9255	-578.919	1
41146_1146	41146	1146	-70.5585	-43.389	6.153	-2.1585	68.148	-1335.99	1
41146_1147	41146	1147	82.3725	28.242	0.3435	3.417	31.2885	-758.574	1
41147_1147	41147	1147	-75.1185	-47.8665	6.3255	-0.675	121.761	-1162.37	1
41147_1148	41147	1148	66.9165	39.2895	-1.008	3.7695	-8.8935	-1094.3	1
41148_1148	41148	1148	7.872	-4.551	-0.1575	0.9885	25.086	-614.994	1
41148_1149	41148	1149	46.4445	-16.875	-0.9735	3.6975	61.119	-1734.63	1
41149_1149	41149	1149	43.1475	1.1475	-1.6905	0.921	33.3165	-941.556	1
41149_1150	41149	1150	46.869	-15.654	-1.011	0.7425	48.6315	-1538.51	1
41150_1150	41150	1150	52.131	-3.351	1.242	1.995	1.062	-1315.25	1
41150_1151	41150	1151	46.875	-14.382	0.156	2.0955	51.3465	-1347.34	1
41151_1151	41151	1151	61.5735	-8.859	1.593	1.833	11.5455	-1644.22	1
41151_1152	41151	1152	47.2275	-13.1775	0.1215	-0.21	52.839	-1177.27	1
41152_1152	41152	1152	69.309	-11.3265	0.654	1.3455	28.311	-1900.1	1
41152_1153	41152	1153	47.4435	-12.2085	-0.2235	0.2805	50.9775	-1076.5	1
41153_1153	41153	1153	74.1525	-15.4905	0.7305	1.5825	33.399	-2066.82	1
41153_1154	41153	1154	47.445	-11.8005	-0.2355	-0.3765	47.835	-909.516	1
41154_1154	41154	1154	80.6925	-19.374	-0.0825	0.4635	44.5275	-2296.77	1
41154_1155	41154	1155	47.448	-11.4945	-0.3	-0.435	44.5335	-783.06	1
41155_1155	41155	1155	84.654	-26.472	-0.1725	-0.246	44.3715	-2460.84	1
41155_1156	41155	1156	47.4465	-11.4945	-0.3435	-1.146	40.7595	-656.595	1
41156_1156	41156	1156	87.3255	-28.728	-0.057	-0.93	42.7305	-2560.97	1
41156_1157	41156	1157	47.448	-11.3325	-0.3375	-0.9555	37.3725	-543.032	1
41157_1157	41157	1157	88.986	-35.6295	-0.153	-2.058	42.6555	-2631.54	1
41157_1158	41157	1158	47.046	-11.3295	-0.387	-1.4835	33.63	-429.599	1
41158_1158	41158	1158	89.7945	-37.2585	0.066	-2.6295	41.499	-2635.4	1
41158_1159	41158	1159	39.615	9.954	0.3135	1.2945	36.4725	-490.787	1
41159_1159	41159	1159	89.9055	-44.3835	-0.03	-3.738	42.843	-2624.02	1
41159_1160	41159	1160	39.615	9.954	0.2745	0.8145	39.222	-590.441	1
41160_1160	41160	1160	85.2705	-21.3915	0.18	-2.349	43.692	-2547.81	1
41160_1161	41160	1161	39.7245	10.134	0.324	0.7005	42.723	-701.942	1
41161_1161	41161	1161	82.0305	-29.043	0.192	-0.792	45.7935	-2441.75	1
41161_1162	41161	1162	39.7245	10.134	0.324	0.7005	46.2945	-813.441	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41162_1162	41162	1162	77.6835	-31.5855	-1.11	-3.7935	47.256	-2271.83	1
41162_1163	41162	1163	39.729	10.389	0.078	0.132	47.3745	-956.228	1
41163_1163	41163	1163	71.1495	-39.6105	-0.9285	-1.8375	33.1995	-2036.33	1
41163_1164	41163	1164	39.639	10.725	0.087	-0.0465	48.099	-1047.56	1
41164_1164	41164	1164	66.984	-40.203	-1.8855	-4.0245	26.919	-1856.48	1
41164_1165	41164	1165	39.4635	11.5725	-0.234	-0.2385	45.357	-1183.59	1
41165_1165	41165	1165	60.66	-45.414	-1.668	-3.1635	9.8295	-1606.77	1
41165_1166	41165	1166	39.459	12.597	-0.246	-1.5165	41.4615	-1361.09	1
41166_1166	41166	1166	52.7235	-50.4465	2.6025	-2.691	-0.6405	-1250.66	1
41166_1167	41166	1167	-93.198	42.9225	-3.168	6.1935	-25.4925	-1653.27	1
41167_1167	41167	1167	45.528	-55.803	1.6245	-2.6235	31.719	-871.745	1
41167_1168	41167	1168	-93.4965	50.7675	-3.8385	6.4605	-76.614	-2235.53	1
41168_1168	41168	1168	-87.5115	-2.8065	-6.438	-0.471	187.542	-937.074	1
41168_1169	41168	1169	76.1535	-30.3105	-0.006	-3.288	22.8885	-776.255	1
41169_1169	41169	1169	-81.267	-7.4565	-6.369	1.575	121.362	-1161.57	1
41169_1170	41169	1170	89.4615	-22.389	-1.002	-2.763	37.6575	-562.062	1
41170_1170	41170	1170	-76.3155	-11.856	-6.2445	2.5545	67.3125	-1319.17	1
41170_1171	41170	1171	54.9735	-3.975	2.877	2.82	-30.3375	-530.558	1
41171_1171	41171	1171	-71.2845	-15.507	-0.6	-1.6485	15.3825	-1456.35	1
41171_1172	41171	1172	58.41	-3.4815	1.3695	2.0205	-20.61	-502.287	1
41172_1172	41172	1172	-66.543	-20.6955	-0.6075	1.089	8.004	-1575.83	1
41172_1173	41172	1173	58.4535	-3.48	1.4445	2.6625	-9.084	-474.476	1
41173_1173	41173	1173	-62.4735	-26.346	-0.444	-0.0885	1.3005	-1663.32	1
41173_1174	41173	1174	64.4955	-3.216	1.4145	2.184	0.969	-446.795	1
41174_1174	41174	1174	-59.5995	-29.145	-0.018	-3.0495	-3.093	-1720.86	1
41174_1175	41174	1175	64.5465	-2.745	1.002	1.272	6.972	-430.329	1
41175_1175	41175	1175	-58.14	-33.762	-0.105	0.2775	-3.462	-1755.31	1
41175_1176	41175	1176	91.4475	1.8225	-0.8265	-1.0635	13.671	-428.441	1
41176_1176	41176	1176	-57.4095	-38.6175	-0.0045	-1.926	-4.2675	-1768.92	1
41176_1177	41176	1177	91.1415	1.8375	-0.978	-1.773	7.845	-439.376	1
41177_1177	41177	1177	-57.2595	-43.578	0.003	-1.245	-4.3815	-1751.75	1
41177_1178	41177	1178	91.1415	1.8375	-0.978	-1.773	1.977	-450.401	1
41178_1178	41178	1178	-65.478	-22.7775	0.381	-0.2385	-2.6715	-1715.06	1
41178_1179	41178	1179	85.5915	2.5215	-1.269	-1.986	-7.251	-470.378	1
41179_1179	41179	1179	-70.2555	-28.8915	0.57	-1.38	2.0535	-1656.07	1
41179_1180	41179	1180	85.59	2.5215	-1.3785	-2.586	-18.2805	-490.551	1
41180_1180	41180	1180	-76.1655	-34.527	0.651	-0.381	9.0795	-1567.31	1
41180_1181	41180	1181	85.272	2.5305	-1.3755	-2.58	-29.19	-510.765	1
41181_1181	41181	1181	-82.7685	-38.5215	5.9385	-3.609	17.3805	-1446.95	1
41181_1182	41181	1182	76.4235	22.4205	0.9375	2.5755	36.8835	-550.886	1
41182_1182	41182	1182	-89.5635	-43.3245	6.1425	-2.742	68.4885	-1309.73	1
41182_1183	41182	1183	65.592	31.2405	-0.1125	3.4905	19.107	-754.899	1
41183_1183	41183	1183	-96.1005	-47.6805	6.2175	-0.198	121.452	-1135.26	1
41183_1184	41183	1184	59.709	39.936	-1.077	4.425	-13.794	-1107.21	1
41184_1184	41184	1184	-20.712	-9.7725	-0.33	-1.233	12.7875	-695.595	1
41184_1185	41184	1185	-70.464	-45.063	3.0615	-6.873	-17.7345	-1658.87	1
41185_1185	41185	1185	29.6055	3.603	-1.5	1.8045	30.327	-811.361	1
41185_1186	41185	1186	22.4145	-11.097	-0.8085	2.0085	42.486	-1277.76	1
41186_1186	41186	1186	36.1905	-1.0905	1.317	1.455	-0.9885	-1215.38	1
41186_1187	41186	1187	22.665	-10.494	0.2535	1.5165	45.864	-1138.49	1
41187_1187	41187	1187	43.2705	-6.672	1.7385	2.478	9.666	-1593.38	1
41187_1188	41187	1188	22.8	-9.909	0.252	0.3345	49.053	-1015.9	1
41188_1188	41188	1188	49.1775	-9.4725	0.9195	0.948	27.513	-1894.13	1
41188_1189	41188	1189	22.9635	-9.306	-0.096	0.0375	48.2535	-939.197	1
41189_1189	41189	1189	52.8945	-13.686	1.0755	2.595	34.6455	-2091.23	1
41189_1190	41189	1190	22.5015	-9.0975	-0.0945	0.0645	47.5395	-810.147	1
41190_1190	41190	1190	57.9525	-17.973	0.0765	-1.3845	50.9715	-2376.45	1
41190_1191	41190	1191	22.5045	-8.871	-0.2475	-1.047	44.8185	-712.551	1
41191_1191	41191	1191	64.767	0.201	0.3315	6.6525	53.934	-2600.53	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41191_1192	41191	1192	22.5045	-8.871	-0.2265	-0.399	42.3225	-614.949	1
41192_1192	41192	1192	65.4165	-2.526	0.105	2.7855	57.639	-2737.8	1
41192_1193	41192	1193	22.5045	-8.709	-0.249	-0.9555	39.8085	-526.889	1
41193_1193	41193	1193	65.4585	-9.747	0.0825	1.8495	59.01	-2838.52	1
41193_1194	41193	1194	19.6185	11.679	0.441	1.797	49.6815	-575.036	1
41194_1194	41194	1194	64.9545	-11.6355	0.384	-0.6705	59.8605	-2863.15	1
41194_1195	41194	1195	19.617	11.862	0.528	1.6425	55.0185	-695.006	1
41195_1195	41195	1195	63.945	-18.7455	0.4185	1.1145	64.056	-2867	1
41195_1196	41195	1196	20.7615	11.889	0.5235	1.656	59.9205	-815.03	1
41196_1196	41196	1196	62.3055	-20.8245	0.0945	-4.4955	68.058	-2802.78	1
41196_1197	41196	1197	20.763	12.135	0.4845	0.501	65.2575	-948.563	1
41197_1197	41197	1197	59.865	-28.263	0.189	-0.078	68.856	-2701.7	1
41197_1198	41197	1198	21.276	12.147	0.501	1.383	70.4835	-1081.96	1
41198_1198	41198	1198	56.598	-31.041	-1.2795	-5.001	69.906	-2537.21	1
41198_1199	41198	1199	21.2865	12.5565	0.1425	0.033	72.453	-1254.67	1
41199_1199	41199	1199	51.696	-38.961	-1.0905	-2.853	52.434	-2309.58	1
41199_1200	41199	1200	21.18	12.735	0.1485	-0.234	73.677	-1364.82	1
41200_1200	41200	1200	48.6885	-40.2045	-1.6725	-5.5185	44.181	-2128.31	1
41200_1201	41200	1201	20.976	13.335	-0.168	-0.7845	71.6985	-1521.57	1
41201_1201	41201	1201	44.2485	-45.5505	-1.482	-4.7505	28.254	-1864.83	1
41201_1202	41201	1202	20.6325	13.8615	-0.1695	-2.6985	69.405	-1712	1
41202_1202	41202	1202	38.7	-50.8155	2.766	-4.605	17.7735	-1490.94	1
41202_1203	41202	1203	20.2455	14.382	1.2465	-2.9205	85.065	-1892.28	1
41203_1203	41203	1203	33.933	-56.127	1.755	-3.9765	48.7905	-1087	1
41203_1204	41203	1204	20.8665	15.0345	1.2615	-5.1195	99.0615	-2080.72	1
41204_1204	41204	1204	-93.3945	-5.8065	-7.4535	-1.5555	238.7295	-1113.61	1
41204_1205	41204	1205	85.872	-28.734	-1.356	-4.719	60.4995	-882.6	1
41205_1205	41205	1205	-86.586	-10.122	-7.3815	2.625	158.724	-1309.71	1
41205_1206	41205	1206	105.159	-19.6155	-2.8245	-2.535	78.4335	-673.779	1
41206_1206	41206	1206	-81.2325	-14.1645	-7.1835	3.7095	93.978	-1440.56	1
41206_1207	41206	1207	125.535	-6.9765	-4.5135	-1.0785	81.426	-565.593	1
41207_1207	41207	1207	-75.9165	-17.5755	-1.434	-0.4395	32.2935	-1554.65	1
41207_1208	41207	1208	119.271	-3.927	-2.3655	-2.3115	66.825	-523.56	1
41208_1208	41208	1208	-70.872	-22.3785	-1.2045	-1.263	16.3155	-1653.76	1
41208_1209	41208	1209	112.1025	-2.64	-2.4915	-2.757	47.784	-498.266	1
41209_1209	41209	1209	-66.5115	-27.606	-1.0605	-0.06	3.3315	-1725.23	1
41209_1210	41209	1210	102.2865	-1.5615	-2.4225	-2.5365	28.986	-481.617	1
41210_1210	41210	1210	-63.39	-30.4335	-0.264	-1.4115	-6.909	-1772.45	1
41210_1211	41210	1211	100.7955	-1.107	-1.62	-2.64	19.3905	-474.341	1
41211_1211	41211	1211	-61.758	-34.7295	-0.1065	-3.5685	-8.9835	-1800.51	1
41211_1212	41211	1212	96.4935	-0.7935	-1.776	-3.336	9.1005	-469.091	1
41212_1212	41212	1212	-60.876	-39.234	-0.057	-2.763	-9.8235	-1810.28	1
41212_1213	41212	1213	90.924	-0.4755	-1.7505	-3.1995	-0.858	-464.549	1
41213_1213	41213	1213	-65.601	-20.3535	0.132	4.1175	-7.0875	-1799.64	1
41213_1214	41213	1214	87.234	1.4295	1.9545	3.5355	37.059	-471.741	1
41214_1214	41214	1214	-68.5245	-21.93	0.9975	-2.3985	-5.0655	-1772.59	1
41214_1215	41214	1215	95.1855	2.6925	2.481	2.3835	55.713	-488.145	1
41215_1215	41215	1215	-73.326	-27.5805	1.089	0.843	6.378	-1724.44	1
41215_1216	41215	1216	99.7665	3.6105	2.607	3.1365	75.513	-512.657	1
41216_1216	41216	1216	-79.2885	-32.8065	1.3275	-0.1215	19.9095	-1652.44	1
41216_1217	41216	1217	107.4855	7.3695	2.3595	2.955	88.539	-556.106	1
41217_1217	41217	1217	-86.0145	-36.6375	6.654	-4.1415	36.468	-1552.79	1
41217_1218	41217	1218	91.356	19.4895	2.868	3.081	82.8225	-665.363	1
41218_1218	41218	1218	-92.928	-41.1045	6.9585	-2.9835	96.6405	-1437.48	1
41218_1219	41218	1219	75.918	28.626	1.4025	4.3365	64.2945	-851.978	1
41219_1219	41219	1219	-99.597	-45.165	7.239	-0.9	160.032	-1280.88	1
41219_1220	41219	1220	66.5385	37.0695	0.051	4.872	30.3285	-1182.87	1
41220_1220	41220	1220	-27.2445	-10.704	-0.291	-0.738	-14.0775	-713.832	1
41220_1221	41220	1221	10.6605	-11.589	-1.8195	10.2495	82.1295	-1808.48	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41221_1221	41221	1221	21.444	3.9195	-2.0625	0.864	45.321	-1033.44	1
41221_1222	41221	1222	10.3245	-11.232	-1.869	-0.5535	60.795	-1667.07	1
41222_1222	41222	1222	26.7735	-1.0455	1.4205	5.601	7.752	-1462.38	1
41222_1223	41222	1223	10.2135	-11.6685	0.42	5.697	66.5745	-1511.8	1
41223_1223	41223	1223	32.8575	-6.2565	1.677	0.5355	20.841	-1860.96	1
41223_1224	41223	1224	10.5045	-11.4075	0.3795	-1.92	71.292	-1374.33	1
41224_1224	41224	1224	38.13	-9.9225	0.8895	6.7005	39.0915	-2182.77	1
41224_1225	41224	1225	10.6875	-11.574	-0.294	3.522	68.772	-1278.72	1
41225_1225	41225	1225	41.592	-15.8595	0.87	-0.3195	46.74	-2395.58	1
41225_1226	41225	1226	10.2705	-11.4675	-0.339	-1.7115	63.63	-1090.27	1
41226_1226	41226	1226	53.6895	6.819	0.012	10.443	67.2855	-2753.43	1
41226_1227	41226	1227	10.269	-11.544	-0.3495	1.446	59.319	-947.666	1
41227_1227	41227	1227	55.902	-1.236	-0.27	-1.4295	67.986	-2979.76	1
41227_1228	41227	1228	10.089	-11.538	-0.4005	-3.168	54.4575	-805.341	1
41228_1228	41228	1228	57.4035	-5.46	0.1935	5.5695	64.5	-3101.92	1
41228_1229	41228	1229	25.0665	13.389	0.426	3.9675	52.2645	-694.547	1
41229_1229	41229	1229	58.242	-13.56	0.0255	-2.2485	66.924	-3166.92	1
41229_1230	41229	1230	26.0355	13.422	0.3405	1.725	56.232	-859.848	1
41230_1230	41230	1230	57.534	-44.112	-0.549	-2.481	66.8175	-3127.45	1
41230_1231	41230	1231	26.052	13.5315	-0.1305	3.687	54.618	-1026.46	1
41231_1231	41231	1231	58.3095	-52.125	-0.789	-9.627	59.8725	-3036.5	1
41231_1232	41231	1232	26.0505	13.5315	-0.216	0.339	51.9585	-1193.23	1
41232_1232	41232	1232	55.9215	-30.108	-1.7055	1.281	45.8385	-2853.29	1
41232_1233	41232	1233	26.055	13.7415	-0.4185	4.1625	47.8185	-1328.74	1
41233_1233	41233	1233	53.739	-35.748	-1.854	-5.241	27.6135	-2689.64	1
41233_1234	41233	1234	26.0535	13.7415	-0.501	-0.069	42.0615	-1486.44	1
41234_1234	41234	1234	50.5455	-41.565	-1.974	-13.827	6.372	-2449.54	1
41234_1235	41234	1235	25.9965	13.845	-0.6195	-6.957	40.089	-1530.51	1
41235_1235	41235	1235	49.9875	-40.9185	2.3895	-2.2665	0.6555	-2373.47	1
41235_1236	41235	1236	25.674	14.2665	1.134	1.59	48.267	-1632.01	1
41236_1236	41236	1236	47.349	-44.541	2.2125	-5.3025	18.666	-2209.72	1
41236_1237	41236	1237	26.2125	14.2425	1.083	-1.6875	58.188	-1770.26	1
41237_1237	41237	1237	44.523	-48.0045	1.95	-8.769	40.146	-1973.71	1
41237_1238	41237	1238	25.893	14.82	1.0095	-7.4415	62.775	-1851.69	1
41238_1238	41238	1238	43.5105	-44.346	-7.632	-2.7435	49.296	-1842.03	1
41238_1239	41238	1239	26.667	17.064	-4.8675	-0.141	10.068	-2034.02	1
41239_1239	41239	1239	39.78	-48.924	-7.8105	-4.4085	-34.992	-1571.16	1
41239_1240	41239	1240	26.292	17.613	-4.947	-6.213	-44.568	-2226.93	1
41240_1240	41240	1240	33.1725	-42.813	13.791	-28.9455	-122.07	-1252.06	1
41240_1241	41240	1241	24.0555	24.6705	9.747	-23.622	69.327	-2521.11	1
41241_1241	41241	1241	-103.425	-16.011	5.7075	23.322	96.1605	-1493.2	1
41241_1242	41241	1242	120.252	-25.128	2.1645	6.8475	93.708	-1034.66	1
41242_1242	41242	1242	-97.527	-20.421	5.6625	22.668	146.4045	-1582.91	1
41242_1243	41242	1243	124.4775	-23.6565	2.2755	6.744	109.182	-951.105	1
41243_1243	41243	1243	-94.5495	-16.2075	-7.7235	1.0815	162.195	-1610.12	1
41243_1244	41243	1244	140.3175	-11.862	-5.073	-2.2905	110.5635	-798.069	1
41244_1244	41244	1244	-89.088	-20.583	-7.3575	-2.58	84.1095	-1719.97	1
41244_1245	41244	1245	132.57	-7.6785	-5.7105	-4.341	57.189	-697.428	1
41245_1245	41245	1245	-83.775	-24.843	-1.476	-0.123	1.245	-1810.2	1
41245_1246	41245	1246	121.9755	-5.217	-2.1075	-3.2745	37.941	-635.462	1
41246_1246	41246	1246	-79.455	-30.333	-1.1505	-4.0965	-17.1885	-1874.46	1
41246_1247	41246	1247	115.212	-4.3365	-2.481	-5.0925	13.6605	-588.291	1
41247_1247	41247	1247	-76.803	-35.1165	-0.012	-1.8675	-31.2645	-1910.72	1
41247_1248	41247	1248	91.6365	3.579	1.4475	5.127	24.126	-596.867	1
41248_1248	41248	1248	-79.386	-15.2385	-0.0315	-0.0255	-33.5085	-1920.68	1
41248_1249	41248	1249	96.0675	4.1595	1.2585	4.1475	36.7875	-636.69	1
41249_1249	41249	1249	-84.2025	-21.078	4.7985	2.838	-32.2635	-1903.76	1
41249_1250	41249	1250	103.833	5.5095	2.97	5.4285	65.949	-685.47	1
41250_1250	41250	1250	-90.3855	-27.315	5.142	-2.5485	20.7765	-1851.7	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41250_1251	41250	1251	110.2425	7.356	2.517	3.042	87.378	-743.819	1
41251_1251	41251	1251	-97.164	-26.9325	2.457	2.031	70.0395	-1777.89	1
41251_1252	41251	1252	115.4655	12.009	4.245	5.256	120.5985	-841.046	1
41252_1252	41252	1252	-105.591	-32.5635	3.5145	-1.4115	102.9255	-1721.75	1
41252_1253	41252	1253	100.809	23.2005	3.2175	3.6135	111.4305	-1036.09	1
41253_1253	41253	1253	-115.001	-38.385	4.2315	1.7475	158.544	-1607.04	1
41253_1254	41253	1254	96.78	25.3095	3.1185	4.5645	110.0025	-1114.1	1
41254_1254	41254	1254	-117.338	-33.498	-3.474	-40.9305	176.901	-1568.44	1
41254_1255	41254	1255	89.5395	30.399	-1.761	-7.1955	73.9125	-1291.73	1
41255_1255	41255	1255	16.266	-0.336	-8.178	17.0715	62.409	-934.032	1
41255_1256	41255	1256	13.545	-18.3435	-8.0115	19.3095	39.759	-2264.6	1
41256_1256	41256	1256	19.227	-3.3645	-9.246	17.223	-2.22	-1178.86	1
41256_1257	41256	1257	13.812	-18.129	-8.0415	14.2065	-17.9175	-2133.05	1
41257_1257	41257	1257	22.14	1.0125	1.329	3.042	-72.7335	-1379.9	1
41257_1258	41257	1258	14.067	-14.2245	0.453	6.6945	-12.4245	-1985.66	1
41258_1258	41258	1258	26.238	-2.436	0.855	1.644	-67.866	-1708.33	1
41258_1259	41258	1259	13.596	-13.818	0.4665	1.098	-4.755	-1810.06	1
41259_1259	41259	1259	31.011	-6.6825	5.694	4.8915	-73.7445	-2060.74	1
41259_1260	41259	1260	13.6905	-14.1405	3.1395	3.9555	28.314	-1654.22	1
41260_1260	41260	1260	35.253	-10.83	6.189	2.2635	-18.5925	-2337.85	1
41260_1261	41260	1261	13.92	-13.9215	3.108	-0.1815	57.7785	-1522.64	1
41261_1261	41261	1261	38.901	-15.036	6.5445	3.2235	40.467	-2565.81	1
41261_1262	41261	1262	14.0445	-13.7985	3.1005	-1.149	67.596	-1480.33	1
41262_1262	41262	1262	40.1985	-15.408	-0.1125	6.033	61.773	-2637.31	1
41262_1263	41262	1263	14.124	-14.043	-0.48	2.4075	62.253	-1324.05	1
41263_1263	41263	1263	44.0145	-21.141	-0.276	-1.3455	62.562	-2863.43	1
41263_1264	41263	1264	14.1225	-14.043	-0.5295	-2.229	55.9275	-1156.46	1
41264_1264	41264	1264	53.4825	2.25	-0.1545	8.286	62.5635	-3053.09	1
41264_1265	41264	1265	13.8285	-13.851	-0.321	0.453	52.365	-995.97	1
41265_1265	41265	1265	55.659	-4.9485	-0.4035	-0.9	61.023	-3206.09	1
41265_1266	41265	1266	13.827	-13.851	-0.3705	-3.129	48.111	-836.937	1
41266_1266	41266	1266	57.324	-9.1065	-0.4245	3.582	56.0055	-3274.1	1
41266_1267	41266	1267	40.9725	13.422	-0.0615	3.8565	39.4605	-733.28	1
41267_1267	41267	1267	55.5855	-43.1265	-0.483	-6.2955	52.347	-3288.92	1
41267_1268	41267	1268	40.971	13.422	-0.162	2.0475	37.614	-885.876	1
41268_1268	41268	1268	57.282	-47.64	-0.8145	-3.0825	44.4405	-3224.55	1
41268_1269	41268	1269	40.971	13.416	-0.24	3.732	34.4775	-1060.97	1
41269_1269	41269	1269	58.5645	-55.758	-1.1505	-10.3155	29.502	-3082.04	1
41269_1270	41269	1270	40.9695	13.416	-0.3735	0.273	30.1935	-1214.61	1
41270_1270	41270	1270	57.714	-33.678	5.0505	-0.5325	5.067	-2884.61	1
41270_1271	41270	1271	40.971	13.224	1.962	3.2175	48.177	-1335.82	1
41271_1271	41271	1271	56.217	-38.5125	4.6635	-5.6085	48.3495	-2702.82	1
41271_1272	41271	1272	40.977	13.224	1.857	-0.1995	68.901	-1483.38	1
41272_1272	41272	1272	53.763	-43.6065	4.1295	-9.78	92.325	-2447.75	1
41272_1273	41272	1273	40.9155	13.4265	1.7535	-4.23	76.1955	-1541.01	1
41273_1273	41273	1273	52.869	-37.6695	-1.449	-1.098	105.531	-2341.34	1
41273_1274	41273	1274	40.7325	15.9645	0.222	2.2395	78.021	-1668.1	1
41274_1274	41274	1274	50.85	-41.106	-1.143	-4.0575	88.6125	-2187.48	1
41274_1275	41274	1275	40.6305	16.5225	0.147	-1.2285	78.714	-1798.05	1
41275_1275	41275	1275	48.5625	-44.4705	-0.9255	-11.115	76.9485	-2020.37	1
41275_1276	41275	1276	40.428	17.01	-0.0045	-8.8215	78.4065	-1878.06	1
41276_1276	41276	1276	47.181	-40.5495	-14.6835	-3.3525	72.702	-1919.38	1
41276_1277	41276	1277	39.927	20.4495	-11.91	-0.2175	-61.2615	-2118.63	1
41277_1277	41277	1277	43.2675	-45.75	-14.5455	-5.061	-99.495	-1649.79	1
41277_1278	41277	1278	39.39	21.378	-12.069	-6.954	-216.254	-2392.04	1
41278_1278	41278	1278	37.548	-41.1735	24.423	-38.154	-274.032	-1286.19	1
41278_1279	41278	1279	38.133	29.928	22.7655	-34.3545	-0.453	-2680.03	1
41279_1279	41279	1279	-89.1	-16.9005	12.2655	21.4845	-8.19	-1556.24	1
41279_1280	41279	1280	131.784	-27.3915	7.032	6.924	84.2565	-1058.56	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41280_1280	41280	1280	-84.27	-20.964	11.7795	20.4675	103.8435	-1623.83	1
41280_1281	41280	1281	142.2645	-24.7575	7.9935	7.728	137.8395	-905.601	1
41281_1281	41281	1281	-81.5925	-20.7165	-6.69	1.113	161.685	-1624.73	1
41281_1282	41281	1282	167.292	-14.8365	-7.029	-0.8895	92.106	-721.782	1
41282_1282	41282	1282	-76.3125	-26.8515	-5.6445	-2.4795	70.554	-1691.29	1
41282_1283	41282	1283	161.199	-10.62	-7.59	-2.658	0.288	-568.595	1
41283_1283	41283	1283	-72.5505	-28.7505	-0.054	-0.1035	3.3525	-1710.82	1
41283_1284	41283	1284	77.586	4.1745	0.3645	3.627	13.1925	-604.053	1
41284_1284	41284	1284	-71.6655	-36.4365	0.1365	-4.0245	3.27	-1758.83	1
41284_1285	41284	1285	81.729	4.7775	0.0765	1.8165	13.407	-652.913	1
41285_1285	41285	1285	-83.6175	-13.926	0.489	2.592	2.5725	-1767.18	1
41285_1286	41285	1286	88.2195	5.964	3.0975	3.579	46.218	-714.719	1
41286_1286	41286	1286	-91.911	-21.279	1.209	-1.356	11.5065	-1780.1	1
41286_1287	41286	1287	94.272	7.62	2.952	1.6845	76.3065	-786.732	1
41287_1287	41287	1287	-101.349	-23.703	1.989	2.3085	31.1205	-1746.36	1
41287_1288	41287	1288	100.6605	11.778	2.0925	4.062	101.022	-913.142	1
41288_1288	41288	1288	-115.16	-31.101	2.9025	-1.995	71.796	-1715.75	1
41288_1289	41288	1289	95.982	19.275	1.5555	1.407	103.101	-1078.69	1
41289_1289	41289	1289	-127.385	-33.5355	-5.289	-8.0535	120.0945	-1645.63	1
41289_1290	41289	1290	89.058	23.1705	-2.826	-0.8595	78.1755	-1162.74	1
41290_1290	41290	1290	-131.823	-35.526	-5.3985	-10.488	102.966	-1615.48	1
41290_1291	41290	1291	81.5595	27.651	-2.442	-1.578	39.912	-1411.32	1
41291_1291	41291	1291	6.663	0.8175	-8.559	16.8375	-26.9925	-1000.94	1
41291_1292	41291	1292	3.8715	-13.7355	-6.843	13.728	-33.498	-2458.63	1
41292_1292	41292	1292	7.914	4.923	4.8105	3.0645	-95.337	-1265.82	1
41292_1293	41292	1293	4.431	-11.148	2.2575	7.2825	-3.996	-2317.42	1
41293_1293	41293	1293	9.1125	0.924	4.827	-1.86	-40.8075	-1785	1
41293_1294	41293	1294	4.62	-10.956	2.229	-3.177	22.1265	-2194.29	1
41294_1294	41294	1294	13.524	28.5045	0.7185	11.7375	-2.1615	-2243.15	1
41294_1295	41294	1295	4.815	-11.82	0.0705	8.583	22.2	-2110.93	1
41295_1295	41295	1295	13.608	25.476	0.7545	2.3385	2.124	-2537.89	1
41295_1296	41295	1296	5.016	-11.736	0.0495	-0.2175	22.8	-2025.99	1
41296_1296	41296	1296	13.875	22.2045	0.8055	0.2175	7.788	-2825.53	1
41296_1297	41296	1297	5.1495	-11.6775	0.045	-2.5995	23.187	-1923.28	1
41297_1297	41297	1297	14.4615	20.7885	0.3195	12.288	15.8895	-3158.2	1
41297_1298	41297	1298	4.9755	-11.304	0.234	5.3625	24.3975	-1877.42	1
41298_1298	41298	1298	14.706	18.7275	0.258	7.566	17.754	-3315.82	1
41298_1299	41298	1299	4.977	-11.304	0.225	2.391	26.3085	-1783.08	1
41299_1299	41299	1299	15.147	14.3025	0.108	-2.9355	20.565	-3613.74	1
41299_1300	41299	1300	4.977	-11.304	0.21	-3.3195	28.821	-1647.6	1
41300_1300	41300	1300	15.621	11.4375	-0.4185	9.8235	21.003	-3968.87	1
41300_1301	41300	1301	4.977	-11.145	-0.3615	2.3955	24.0645	-1500.88	1
41301_1301	41301	1301	15.954	4.2795	-0.5535	-5.9385	14.766	-4300.86	1
41301_1302	41301	1302	4.8675	-11.124	-0.3825	-3.615	19.8195	-1374.71	1
41302_1302	41302	1302	16.0575	2.1945	-0.276	10.389	7.6005	-4494.73	1
41302_1303	41302	1303	4.8675	-10.7865	-0.363	1.692	14.934	-1229.5	1
41303_1303	41303	1303	15.969	-5.424	-0.42	-10.104	3.339	-4657.71	1
41303_1304	41303	1304	4.8645	-10.7865	-0.3855	-4.0755	10.674	-1110.41	1
41304_1304	41304	1304	16.0635	-35.328	-0.3435	5.3295	-0.6645	-4711.18	1
41304_1305	41304	1305	4.863	-10.431	-0.51	0.5175	4.014	-974.111	1
41305_1305	41305	1305	15.954	-42.621	-0.4725	-11.7165	-6.6375	-4749.36	1
41305_1306	41305	1306	4.5645	-10.395	-0.531	-3.3405	-1.998	-854.934	1
41306_1306	41306	1306	15.6585	-44.361	-0.459	3.186	-13.116	-4667.58	1
41306_1307	41306	1307	4.5615	-9.9465	-0.7335	-0.2055	-10.695	-736.947	1
41307_1307	41307	1307	15.123	-51.387	-0.552	-11.103	-18.7515	-4523.13	1
41307_1308	41307	1308	4.56	-9.9465	-0.7485	-2.7795	-20.16	-611.264	1
41308_1308	41308	1308	14.283	-54.6285	-0.357	0.666	-25.3365	-4223.25	1
41308_1309	41308	1309	4.5	-9.525	-0.465	-0.8385	-25.8195	-495.369	1
41309_1309	41309	1309	13.173	-62.502	-0.4845	-12.576	-28.6065	-3836.34	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
41309_1310	41309	1310	4.227	-9.4845	-0.4845	-2.721	-31.8405	-377.976	1
41310_1310	41310	1310	11.7105	-67.875	1.191	-3.0135	-33.1545	-3273.43	1
41310_1311	41310	1311	3.9525	-9.4935	0.2565	-1.419	-28.5915	-256.143	1
41311_1311	41311	1311	10.812	-86.2365	1.0605	-11.8635	-17.247	-2566.83	1
41311_1312	41311	1312	2.9865	-9.282	-0.0075	-2.295	-31.6545	-135.842	1
41312_1312	41312	1312	8.682	-95.0085	0.228	-6.6675	-4.0965	-1650.58	1
41312_1313	41312	1313	-16.0665	38.241	0.495	9.2955	0	-100.922	1

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95
	Max.	1.31	1.58	1.84	1.84	1.05			0.00	
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	

Fatigue I	Max/Min	1.5								
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For : Cleveland Innerbelt		Sheet No. :	
Made by : DJG	Date : 5/9/2012	Job No. :	49633
Checked by : SJL	Date : 5/10/2012		
Backchecked by : DJG	Date : 5/10/2012		



\\kcow00\Jobs\49633\Bridges\Design\Final Design\Unit 2\Walsh CW Check\GIRDER 2\LoadCombinations.xlsm]Load Combinations

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.25	1.50	1.75	1.75	1.00			0.50	1.00
	Min.	0.90	0.65	1.75	1.75	1.00			0.50	1.00
	Max.	1.25	1.50	1.75	1.75	1.00			0.50	
	Min.	0.90	0.65	1.75	1.75	1.00			0.50	
Strength III	Max.	1.25	1.50			1.00	1.40		0.50	1.00
	Min.	0.90	0.65			1.00	1.40		0.50	1.00
	Max.	1.25	1.50			1.00	1.40		0.50	
	Min.	0.90	0.65			1.00	1.40		0.50	
Strength IV	Max.	1.50	1.50			1.00			0.50	
	Min.	0.90	0.65			1.00			0.50	
Strength V	Max.	1.25	1.50	1.35	1.35	1.00	0.40	1.00	0.50	1.00
	Min.	0.90	0.65	1.35	1.35	1.00	0.40	1.00	0.50	1.00
	Max.	1.25	1.50	1.35	1.35	1.00	0.40	1.00	0.50	
	Min.	0.90	0.65	1.35	1.35	1.00	0.40	1.00	0.50	

$$\begin{aligned} \eta_i &= 1.05 \\ \eta_r &= 1 \\ \eta_d &= 1 \\ \eta_{total} &= 1.050 \end{aligned}$$

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95
	Max.	1.31	1.58	1.84	1.84	1.05			0.00	
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	
Strength III	Max.	1.31	1.58			1.05	1.47		0.53	1.05
	Min.	0.86	0.62			0.95	1.33		0.48	0.95
	Max.	1.31	1.58			1.05	1.47		0.53	
	Min.	0.86	0.62			0.95	1.33		0.48	
Strength IV	Max.	1.58	1.58			1.05			0.53	
	Min.	0.86	0.62			0.95			0.48	
Strength V	Max.	1.31	1.58	1.42	1.42	1.05	0.42	1.05	0.53	1.05
	Min.	0.86	0.62	1.29	1.29	0.95	0.38	0.95	0.48	0.95
	Max.	1.31	1.58	1.42	1.42	1.05	0.42	1.05	0.53	
	Min.	0.86	0.62	1.29	1.29	0.95	0.38	0.95	0.48	

Fatigue I	Max/Min	1.5								
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P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
1000	1.00	1000	1.00
1017	1.06	1017	1.06
1018	1.02	1018	1.03
1019	1.01	1019	1.02
1020	1.00	1021	1.00
1021	1.00	1036	1.01
1036	1.02	1037	1.02
1037	1.02	1039	1.03
1038	1.02	1040	1.05
1039	1.03	1041	1.07
1040	1.04	1042	1.00
1041	1.06	1051	1.15
1042	1.00	1052	1.06
1051	1.13	1053	1.03
1052	1.06	1054	1.02
1053	1.03	1055	1.01
1055	1.01	1057	1.00
1056	1.00	1072	1.01
1090	1.03	1075	1.03
1091	1.02	1077	1.00
1092	1.01	1089	1.08
1095	1.00	1091	1.02
1110	1.01	1094	1.00
1112	1.02	1110	1.01
1113	1.03	1113	1.03
1114	1.05	1115	1.11
1115	1.10	1116	1.00
1116	1.00	1129	1.07
1127	1.06	1130	1.04
1130	1.03	1131	1.03
1133	1.00	1133	1.00
1163	1.01	1184	1.02
1168	1.00	1185	1.03
1184	1.02	1186	1.04
1185	1.03	1187	1.08
1186	1.04	1189	1.00
1187	1.08	1199	1.03

P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
1189	1.00	1202	1.02
1199	1.03	1203	1.01
1202	1.02	1205	1.00
1203	1.01	1222	1.01
1205	1.00	1224	1.03
1222	1.01	1225	1.00
1224	1.04	1234	1.03
1225	1.00	1238	1.01
1234	1.03	1241	1.00
1236	1.02	1255	1.01
1237	1.01	1257	1.02
1241	1.00	1258	1.03
1253	1.01	1259	1.05
1257	1.02	1261	1.00
1258	1.03	1272	1.07
1259	1.04	1274	1.04
1261	1.00	1275	1.03
1272	1.05	1277	1.02
1276	1.03	1279	1.00
1277	1.02	1291	1.02
1279	1.02	1292	1.02
1280	1.00	1293	1.03
1291	1.01	1294	1.05
1292	1.02	1295	1.14
1294	1.03	1296	1.00
1295	1.05	1313	1.00
1296	1.08		
1298	1.00	3000	1.00
1313	1.00	3017	1.06
3000	1.00	3018	1.03
3017	1.06	3019	1.02
3018	1.02	3021	1.00
3019	1.01	3036	1.01
3020	1.00	3037	1.02
3021	1.00	3039	1.03
3036	1.02	3040	1.05
3037	1.02	3041	1.07

P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
3038	1.02	3042	1.00
3039	1.03	3051	1.15
3040	1.04	3052	1.06
3041	1.06	3053	1.03
3042	1.00	3054	1.02
3051	1.13	3055	1.01
3052	1.06	3057	1.00
3053	1.03	3072	1.01
3055	1.01	3075	1.03
3056	1.00	3077	1.00
3090	1.03	3089	1.08
3091	1.02	3091	1.02
3092	1.01	3094	1.00
3095	1.00	3110	1.01
3110	1.01	3113	1.03
3112	1.02	3115	1.11
3113	1.03	3116	1.00
3114	1.05	3129	1.07
3115	1.10	3130	1.04
3116	1.00	3131	1.03
3127	1.06	3133	1.00
3130	1.03	3184	1.02
3133	1.00	3185	1.03
3163	1.01	3186	1.04
3168	1.00	3187	1.08
3184	1.02	3189	1.00
3185	1.03	3199	1.03
3186	1.04	3202	1.02
3187	1.08	3203	1.01
3189	1.00	3205	1.00
3199	1.03	3222	1.01
3202	1.02	3224	1.03
3203	1.01	3225	1.00
3205	1.00	3234	1.03
3222	1.01	3238	1.01
3224	1.04	3241	1.00
3225	1.00	3255	1.01

P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
3235	1.03	3257	1.02
3236	1.02	3258	1.03
3237	1.01	3259	1.05
3240	1.00	3262	1.00
3255	1.01	3272	1.07
3257	1.02	3274	1.04
3258	1.03	3276	1.03
3259	1.04	3279	1.02
3262	1.00	3280	1.00
3272	1.05	3293	1.02
3276	1.03	3294	1.02
3277	1.02	3295	1.03
3280	1.00	3296	1.05
3293	1.01	3297	1.14
3294	1.02	3298	1.00
3296	1.03	3316	1.00
3297	1.05		
3298	1.08	5000	1.00
3300	1.00	5017	1.06
3316	1.00	5018	1.03
5000	1.00	5019	1.02
5017	1.06	5021	1.00
5018	1.02	5036	1.01
5019	1.01	5037	1.02
5020	1.00	5039	1.03
5021	1.00	5040	1.05
5036	1.02	5041	1.07
5037	1.02	5042	1.00
5038	1.02	5051	1.15
5039	1.03	5052	1.06
5040	1.04	5053	1.03
5041	1.06	5054	1.02
5042	1.00	5055	1.01
5051	1.13	5057	1.00
5052	1.06	5072	1.01
5053	1.03	5075	1.03
5055	1.01	5077	1.00

P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
5056	1.00	5089	1.08
5090	1.03	5091	1.02
5091	1.02	5094	1.00
5092	1.01	5110	1.01
5095	1.00	5113	1.03
5110	1.01	5115	1.11
5112	1.02	5116	1.00
5113	1.03	5129	1.07
5114	1.05	5130	1.04
5115	1.10	5131	1.03
5116	1.00	5133	1.00
5127	1.06	5184	1.02
5130	1.03	5185	1.03
5133	1.00	5186	1.04
5163	1.01	5187	1.08
5184	1.02	5189	1.00
5185	1.03	5199	1.03
5186	1.04	5202	1.02
5187	1.08	5203	1.01
5189	1.00	5205	1.00
5199	1.03	5222	1.01
5202	1.02	5224	1.03
5203	1.01	5225	1.00
5205	1.00	5233	1.03
5222	1.01	5237	1.01
5224	1.04	5240	1.00
5225	1.00	5255	1.01
5234	1.03	5256	1.02
5235	1.02	5258	1.03
5236	1.01	5259	1.05
5239	1.00	5262	1.00
5254	1.01	5271	1.07
5256	1.02	5273	1.04
5258	1.03	5275	1.03
5259	1.04	5278	1.02
5262	1.00	5279	1.00
5271	1.04	5290	1.02

P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
5275	1.03	5291	1.02
5276	1.02	5292	1.03
5278	1.00	5293	1.05
5290	1.01	5294	1.14
5291	1.02	5295	1.00
5293	1.03	5313	1.00
5294	1.05		
5295	1.08	7000	1.00
5297	1.00	7017	1.06
5313	1.00	7018	1.03
7000	1.00	7019	1.02
7017	1.06	7021	1.00
7018	1.02	7036	1.01
7019	1.01	7037	1.02
7020	1.00	7039	1.03
7021	1.00	7040	1.05
7036	1.02	7041	1.07
7037	1.02	7042	1.00
7038	1.02	7051	1.15
7039	1.03	7052	1.06
7040	1.04	7053	1.03
7041	1.06	7054	1.02
7042	1.00	7055	1.01
7051	1.13	7057	1.00
7052	1.06	7072	1.01
7053	1.03	7075	1.03
7055	1.01	7077	1.00
7056	1.00	7089	1.08
7090	1.03	7091	1.02
7091	1.02	7094	1.00
7092	1.01	7110	1.01
7095	1.00	7113	1.03
7110	1.01	7115	1.11
7112	1.02	7116	1.00
7113	1.03	7129	1.07
7114	1.05	7130	1.04
7115	1.10	7131	1.03

P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
7116	1.00	7133	1.00
7127	1.06	7184	1.02
7130	1.03	7185	1.03
7133	1.00	7186	1.04
7163	1.01	7187	1.08
7184	1.02	7189	1.00
7185	1.03	7199	1.03
7186	1.04	7202	1.02
7187	1.08	7203	1.01
7189	1.00	7205	1.00
7199	1.03	7222	1.01
7202	1.02	7224	1.03
7203	1.01	7225	1.00
7205	1.00	7233	1.03
7222	1.01	7237	1.01
7224	1.04	7240	1.00
7225	1.00	7253	1.01
7234	1.03	7255	1.02
7235	1.02	7256	1.03
7236	1.01	7257	1.05
7239	1.00	7260	1.00
7253	1.01	7269	1.07
7255	1.02	7270	1.04
7256	1.03	7272	1.03
7257	1.04	7275	1.02
7260	1.00	7276	1.00
7269	1.04	7288	1.02
7272	1.03	7289	1.02
7273	1.02	7290	1.03
7275	1.00	7291	1.05
7288	1.01	7292	1.14
7289	1.02	7293	1.00
7291	1.03	7311	1.00
7292	1.05		
7293	1.08	9000	1.00
7295	1.00	9017	1.06
7311	1.00	9018	1.03

P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
9000	1.00	9019	1.02
9017	1.06	9021	1.00
9018	1.02	9036	1.01
9019	1.01	9037	1.02
9020	1.00	9039	1.03
9021	1.00	9040	1.05
9036	1.02	9041	1.07
9037	1.02	9042	1.00
9038	1.02	9051	1.15
9039	1.03	9052	1.06
9040	1.04	9053	1.03
9041	1.06	9054	1.02
9042	1.00	9055	1.01
9051	1.13	9057	1.00
9052	1.06	9072	1.01
9053	1.03	9075	1.03
9055	1.01	9077	1.00
9056	1.00	9089	1.08
9090	1.03	9091	1.02
9091	1.02	9094	1.00
9092	1.01	9110	1.01
9095	1.00	9113	1.03
9110	1.01	9115	1.11
9112	1.02	9116	1.00
9113	1.03	9129	1.07
9114	1.05	9130	1.04
9115	1.10	9131	1.03
9116	1.00	9133	1.00
9127	1.06	9184	1.02
9130	1.03	9185	1.03
9133	1.00	9186	1.04
9163	1.01	9187	1.08
9184	1.02	9189	1.00
9185	1.03	9199	1.03
9186	1.04	9202	1.02
9187	1.08	9203	1.01
9189	1.00	9205	1.00

P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
9199	1.03	9222	1.01
9202	1.02	9224	1.03
9203	1.01	9225	1.00
9205	1.00	9232	1.03
9222	1.01	9236	1.01
9224	1.04	9240	1.00
9225	1.00	9254	1.01
9232	1.03	9256	1.02
9233	1.02	9257	1.03
9235	1.01	3259	1.05
9239	1.00	9261	1.00
9254	1.01	9269	1.07
9255	1.02	9270	1.04
9256	1.03	9272	1.03
9258	1.04	9275	1.02
9261	1.00	9276	1.00
9269	1.04	9288	1.02
9272	1.03	9289	1.02
9273	1.02	9290	1.03
9275	1.00	9291	1.05
9288	1.01	9292	1.14
9289	1.02	9293	1.00
9291	1.03	9312	1.00
9292	1.05		
9293	1.08		
9295	1.00		
9312	1.00		

P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
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VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1	2	3	4	5	6	7	8	9
1000_1000	1000	1000	61.084	425.706	0.167	-7.634	0	-342.56
1000_1001	1000	1001	-18.947	-368.878	-0.167	7.634	-2.847	6904.883
1001_1001	1001	1001	18.942	368.872	0.163	4.746	2.847	-6904.86
1001_1002	1001	1002	3.009	-332.603	-0.163	-4.746	-4.616	10610.65
1002_1002	1002	1002	-3.06	308.045	0.656	-7.173	4.616	-10609.8
1002_1003	1002	1003	22.617	-267.3	-0.656	7.173	-12.615	14027.68
1003_1003	1003	1003	-22.616	267.295	0.654	3.549	12.615	-14027.7
1003_1004	1003	1004	37.314	-226.546	-0.654	-3.549	-20.593	16971.39
1004_1004	1004	1004	-37.26	206.176	0.53	-9.016	20.593	-16970.1
1004_1005	1004	1005	50.513	-165.416	-0.53	9.016	-27.052	19175.77
1005_1005	1005	1005	-50.514	165.41	0.528	5.742	27.052	-19175.8
1005_1006	1005	1006	58.905	-124.646	-0.528	-5.742	-33.488	20906.85
1006_1006	1006	1006	-58.909	100.406	0.093	-9.307	33.488	-20905.6
1006_1007	1006	1007	65.457	-59.664	-0.093	9.307	-34.621	21851.95
1007_1007	1007	1007	-65.457	59.659	0.091	7.546	34.621	-21852
1007_1008	1007	1008	67.146	-18.913	-0.091	-7.546	-35.731	22324
1008_1008	1008	1008	-67.137	-5.96	0.362	-7.476	35.731	-22323.2
1008_1009	1008	1009	67.349	46.685	-0.362	7.476	-40.144	22002.27
1009_1009	1009	1009	-67.349	-46.69	0.361	7.437	40.144	-22002.3
1009_1010	1009	1010	62.7	87.452	-0.361	-7.437	-44.543	21206.52
1010_1010	1010	1010	-62.699	-112.299	0.007	-15.253	44.543	-21206.1
1010_1011	1010	1011	56.461	153.036	-0.007	15.253	-44.633	19618.62
1011_1011	1011	1011	-56.461	-153.041	0.003	16.718	44.633	-19618.6
1011_1012	1011	1012	45.374	193.753	-0.003	-16.718	-44.675	17558.33
1012_1012	1012	1012	-45.375	-219.391	-0.672	6.802	44.675	-17558.3
1012_1013	1012	1013	31.917	260.14	0.672	-6.802	-36.483	14697.74
1013_1013	1013	1013	-31.918	-260.145	-0.67	-4.358	36.483	-14697.7
1013_1014	1013	1014	13.602	300.89	0.67	4.358	-28.315	11363.09
1014_1014	1014	1014	-13.599	-326.189	0.401	3.921	28.315	-11363.1
1014_1015	1014	1015	-16.129	382.109	-0.401	-3.921	-35.018	5575.598
1015_1015	1015	1015	14.334	-380.921	0.426	-2.627	35.965	-5535.78
1015_1016	1015	1016	-35.339	406.886	-0.426	2.626	-39.477	2365.218
1016_1016	1016	1016	70.952	-427.977	3.518	-0.432	32.669	-2496.97
1016_1017	1016	1017	-100.649	465.203	-3.518	0.408	-74.01	-2621.76
1017_1017	1017	1017	113.585	-463.128	3.522	1.099	74.186	2621.383
1017_1018	1017	1018	-142.056	507.983	-3.522	-1.139	-120.948	-8913.6
1018_1018	1018	1018	157.737	-523.548	-2.747	-10.212	120.212	8913.845
1018_1019	1018	1019	-177.157	567.848	2.747	10.278	-85.749	-15611.7
1019_1019	1019	1019	192.519	-564.808	-2.742	12.222	88.356	15612.44
1019_1020	1019	1020	-206.271	611.733	2.742	-12.149	-53.824	-22865.5
1020_1020	1020	1020	-2136.8	174.482	-4.908	-3.276	160.034	3992.955
1020_1021	1020	1021	2156.538	-143.779	4.908	3.276	-113.397	-2560.13
1021_1021	1021	1021	-2151.54	143.685	-2.235	-0.439	111.445	2535.748
1021_1022	1021	1022	2165.974	-120.764	2.235	0.439	-94.122	-1569.01
1022_1022	1022	1022	-2165.98	120.752	0.53	1.443	94.122	1569.008
1022_1023	1022	1023	2178.192	-97.834	-0.53	-1.443	-98.232	-771.2
1023_1023	1023	1023	-2178.17	79.049	-10.622	-0.487	98.232	771.186
1023_1024	1023	1024	2188.377	-55.39	10.622	0.487	-13.262	-274.519
1024_1024	1024	1024	-2188.38	55.378	-10.622	-0.487	13.262	274.519
1024_1025	1024	1025	2196.23	-31.718	10.622	0.487	71.708	42.275
1025_1025	1025	1025	-2196.24	28.327	-7.942	-0.422	-71.708	-42.275
1025_1026	1025	1026	2199.335	-4.67	7.942	0.422	135.231	161.813

1026_1026	1026	1026	-2199.34	-12.373	-5.022	-0.498	-135.231	-161.806
1026_1027	1026	1027	2200.484	30.108	5.022	0.498	165.347	29.836
1027_1027	1027	1027	-2200.49	-30.117	-1.057	-0.329	-165.347	-29.835
1027_1028	1027	1028	2200.308	47.878	1.057	0.329	171.694	-203.622
1028_1028	1028	1028	-2200.31	-47.887	-1.446	-0.388	-171.694	203.622
1028_1029	1028	1029	2198.8	65.619	1.446	0.388	180.366	-537.806
1029_1029	1029	1029	-2198.8	-65.628	-1.057	-0.27	-180.366	537.806
1029_1030	1029	1030	2195.962	83.389	1.057	0.27	186.713	-973.826
1030_1030	1030	1030	-2195.95	-100.091	7.812	-0.319	-186.713	973.822
1030_1031	1030	1031	2190.59	123.738	-7.812	0.319	124.253	-1847.06
1031_1031	1031	1031	-2190.59	-123.75	8.099	-0.066	-124.253	1847.063
1031_1032	1031	1032	2182.864	147.426	-8.099	0.066	59.422	-2901.4
1032_1032	1032	1032	-2182.87	-147.438	7.812	-0.452	-59.422	2901.403
1032_1033	1032	1033	2172.792	171.085	-7.812	0.452	-3.039	-4134.22
1033_1033	1033	1033	-2172.84	-188.046	-5.68	-25.114	3.039	4134.363
1033_1034	1033	1034	2160.935	210.974	5.68	25.114	40.998	-5633.19
1034_1034	1034	1034	-2160.94	-210.986	-2.913	-18.059	-40.998	5633.217
1034_1035	1034	1035	2146.818	233.911	2.913	18.059	63.576	-7300.73
1035_1035	1035	1035	-2152.48	-234.007	17.887	49.971	-62.827	7328.618
1035_1036	1035	1036	2133.158	264.709	-17.887	-49.971	-107.131	-9620.3
1036_1036	1036	1036	171.928	502.318	2.088	-10.506	-9.731	30048.65
1036_1037	1036	1037	-162.468	-455.382	-2.088	10.547	-16.556	-24148.7
1037_1037	1037	1037	150.083	457.429	2.12	7.48	14.604	24147.96
1037_1038	1037	1038	-136.231	-413.085	-2.12	-7.443	-41.213	-18808.4
1038_1038	1038	1038	123.935	401.423	-3.067	-3.259	41.999	18809
1038_1039	1038	1039	-102.794	-356.578	3.067	3.229	-1.313	-13908.1
1039_1039	1039	1039	599.161	351.545	-1.282	1.386	17.244	11190.73
1039_1040	1039	1040	-590.783	-314.003	1.282	-1.353	-2.171	-7428.24
1040_1040	1040	1040	584.207	299.669	0.333	-0.085	2.255	7429.44
1040_1041	1040	1041	-552.452	-273.761	-0.333	0.073	-5.002	-5229.42
1041_1041	1041	1041	637.119	275.606	0.065	-0.554	9.097	4801.733
1041_1042	1041	1042	-539.262	-228.992	-0.065	0.554	-10.159	-1117.36
1042_1042	1042	1042	539.261	207.661	-0.056	2.003	10.159	1117.398
1042_1043	1042	1043	-471.831	-173.416	0.056	-2.003	-9.492	867.199
1043_1043	1043	1043	471.831	173.422	-0.007	-2.525	9.492	-867.199
1043_1044	1043	1044	-410.151	-139.179	0.007	2.525	-9.408	2464.418
1044_1044	1044	1044	410.163	114.454	0.168	2.744	9.408	-2464.47
1044_1045	1044	1045	-354.549	-80.216	-0.168	-2.744	-11.415	3378.91
1045_1045	1045	1045	354.549	80.222	0.216	-2.907	11.415	-3378.91
1045_1046	1045	1046	-304.68	-45.986	-0.216	2.907	-14.004	3906.205
1046_1046	1046	1046	304.688	23.211	-0.165	2.502	14.004	-3906.31
1046_1047	1046	1047	-257.139	11.049	0.165	-2.502	-12.021	3759.657
1047_1047	1047	1047	257.139	-11.044	-0.121	-2.19	12.021	-3759.66
1047_1048	1047	1048	-215.375	45.273	0.121	2.19	-10.577	3226.041
1048_1048	1048	1048	215.38	-67.405	0.007	3.106	10.577	-3226.1
1048_1049	1048	1049	-176.471	101.661	-0.007	-3.106	-10.665	2027.902
1049_1049	1049	1049	176.472	-101.655	0.101	-2.36	10.665	-2027.9
1049_1050	1049	1050	-143.341	135.877	-0.101	2.36	-11.875	443.893
1050_1050	1050	1050	143.332	-156.434	-0.179	-0.365	11.875	-443.872
1050_1051	1050	1051	-103.862	203.006	0.179	0.365	-8.962	-2682.52
1051_1051	1051	1051	104.226	-201.911	-0.114	2.883	8.67	2692.839
1051_1052	1051	1052	-89.103	226.134	0.114	-2.887	-7.731	-4538.71
1052_1052	1052	1052	94.697	-243.358	1.114	-2.682	7.613	4539.644
1052_1053	1052	1053	-78.028	278.312	-1.114	2.705	-20.71	-7714.31
1053_1053	1053	1053	79.671	-276.913	2.529	6.934	22.725	7748.339

1053_1054	1053	1054	-78.028	321.273	-2.529	-6.951	-56.298	-11762.1
1054_1054	1054	1054	88.495	-334.413	-1.627	-4.898	55.552	11764.51
1054_1055	1054	1055	-93.803	378.003	1.627	4.945	-35.136	-16242.3
1055_1055	1055	1055	104.21	-375.29	-1.577	8.795	36.716	16245.45
1055_1056	1055	1056	-114.29	421.203	1.577	-8.744	-16.848	-21235.3
1056_1056	1056	1056	-1765.9	244.268	-2.578	-2.205	63.762	6415.015
1056_1057	1056	1057	1793.213	-213.897	2.578	2.205	-39.271	-4353.1
1057_1057	1057	1057	-1794.32	213.89	-1.178	1.173	39.769	4324.245
1057_1058	1057	1058	1814.379	-189.589	1.178	-1.173	-30.641	-2845.63
1058_1058	1058	1058	-1814.38	189.59	-1.178	1.173	30.641	2845.629
1058_1059	1058	1059	1832.348	-165.288	1.178	-1.173	-21.514	-1546.88
1059_1059	1059	1059	-1832.42	147.546	-9.42	-1.048	21.514	1546.908
1059_1060	1059	1060	1848.705	-122.429	9.42	1.048	53.909	-535.254
1060_1060	1060	1060	-1848.72	119.042	-7.109	0.501	-53.909	535.252
1060_1061	1060	1061	1860.477	-93.958	7.109	-0.501	110.753	265.307
1061_1061	1061	1061	-1860.49	93.959	-4.489	1.344	-110.753	-265.31
1061_1062	1061	1062	1870.026	-68.845	4.489	-1.344	146.687	874.835
1062_1062	1062	1062	-1870	52.496	-2.799	0.539	-146.687	-874.839
1062_1063	1062	1063	1876.033	-33.668	2.799	-0.539	163.484	1106.318
1063_1063	1063	1063	-1876.04	33.669	0.293	0.478	-163.484	-1106.32
1063_1064	1063	1064	1880.807	-14.874	-0.293	-0.478	161.731	1229.714
1064_1064	1064	1064	-1880.81	14.875	0.491	0.467	-161.731	-1229.71
1064_1065	1064	1065	1884.332	3.951	-0.491	-0.467	158.785	1245.462
1065_1065	1065	1065	-1884.33	-3.951	3.781	0.351	-158.785	-1245.46
1065_1066	1065	1066	1886.595	22.775	-3.781	-0.351	136.098	1153.284
1066_1066	1066	1066	-1886.57	-39.421	5.433	0.277	-136.098	-1153.3
1066_1067	1066	1067	1888.029	64.531	-5.433	-0.277	92.61	727.586
1067_1067	1067	1067	-1888.02	-64.53	7.9	0.946	-92.61	-727.588
1067_1068	1067	1068	1887.248	89.638	-7.9	-0.946	29.381	109.898
1068_1068	1068	1068	-1887.25	-89.638	7.758	0.861	-29.381	-109.898
1068_1069	1068	1069	1884.246	114.714	-7.758	-0.861	-32.632	-698.661
1069_1069	1069	1069	-1884.32	-131.891	3.632	-0.191	32.632	698.698
1069_1070	1069	1070	1879.258	156.211	-3.632	0.191	-60.79	-1798.83
1070_1070	1070	1070	-1879.26	-156.21	3.632	-0.191	60.79	1798.826
1070_1071	1070	1071	1872.101	180.53	-3.632	0.191	-88.947	-3079.09
1071_1071	1071	1071	-1869.92	-180.54	5.096	3.018	91.072	3104.159
1071_1072	1071	1072	1858.312	210.893	-5.096	-3.018	-139.454	-4920.11
1072_1072	1072	1072	73.881	470.058	0.814	-6.098	31.518	19388.29
1072_1073	1072	1073	-35.127	-424.499	-0.814	6.155	-41.78	-13933.2
1073_1073	1073	1073	23.556	427.217	0.856	5.287	40.441	13931.22
1073_1074	1073	1074	20.749	-384.062	-0.856	-5.235	-51.183	-9004.93
1074_1074	1074	1074	-32.392	371.105	-2.55	0.088	51.543	9003.958
1074_1075	1074	1075	79.907	-327.174	2.55	-0.119	-17.697	-4514.82
1075_1075	1075	1075	394.586	322.849	-0.836	-0.4	21.44	1915.369
1075_1076	1075	1076	-378.012	-288.474	0.836	0.419	-11.612	1553.727
1076_1076	1076	1076	371.849	270.158	-0.033	4.387	11.547	-1553.25
1076_1077	1076	1077	-348.318	-246.354	0.033	-4.394	-11.272	3572.036
1077_1077	1077	1077	318.527	248.417	0.14	-4.34	11.53	-3531.96
1077_1078	1077	1078	-272.036	-203.472	-0.14	4.34	-13.602	6670.858
1078_1078	1078	1078	272.029	183.593	0.142	4.721	13.602	-6670.99
1078_1079	1078	1079	-239.925	-149.484	-0.142	-4.721	-15.201	8398.285
1079_1079	1079	1079	239.924	149.494	0.19	-5.158	15.201	-8398.29
1079_1080	1079	1080	-212.316	-115.356	-0.19	5.158	-17.34	9762.222
1080_1080	1080	1080	212.321	94.537	-0.137	5.235	17.34	-9762.5
1080_1081	1080	1081	-186.378	-60.402	0.137	-5.235	-15.795	10514.38

1081_1081	1081	1081	186.378	60.412	-0.091	-5.581	15.795	-10514.4
1081_1082	1081	1082	-164.961	-26.278	0.091	5.581	-14.766	10901.33
1082_1082	1082	1082	164.964	3.792	-0.095	9.824	14.766	-10901.6
1082_1083	1082	1083	-143.895	32.889	0.095	-9.824	-13.618	10625.12
1083_1083	1083	1083	143.895	-32.878	-0.01	-9.637	13.618	-10625.1
1083_1084	1083	1084	-128.052	69.556	0.01	9.637	-13.501	9927.297
1084_1084	1084	1084	128.057	-91.673	-0.125	8.666	13.501	-9927.54
1084_1085	1084	1085	-115.122	125.802	0.125	-8.666	-12.092	8638.255
1085_1085	1085	1085	115.122	-125.791	-0.034	-7.946	12.092	-8638.25
1085_1086	1085	1086	-106.71	159.918	0.034	7.946	-11.715	6984.303
1086_1086	1086	1086	106.706	-180.342	-0.377	5.149	11.715	-6984.42
1086_1087	1086	1087	-100.314	214.469	0.377	-5.149	-7.467	4724.95
1087_1087	1087	1087	100.313	-214.459	-0.286	-3.901	7.467	-4724.95
1087_1088	1087	1088	-98.444	248.583	0.286	3.901	-4.252	2100.925
1088_1088	1088	1088	98.442	-266.833	-0.017	0.652	4.252	-2100.98
1088_1089	1088	1089	-99.536	310.054	0.017	-0.652	-4.007	-2019.44
1089_1089	1089	1089	103.76	-308.878	-0.008	0.075	4.289	2045.222
1089_1090	1089	1090	-107.173	333.86	0.008	-0.079	-4.223	-4693.31
1090_1090	1090	1090	114.969	-352.633	0.776	-2.193	4.156	4694.009
1090_1091	1090	1091	-123.849	388.533	-0.776	2.21	-13.278	-9027.49
1091_1091	1091	1091	128.338	-385.935	1.933	3.016	13.983	9062.727
1091_1092	1091	1092	-141.941	429.906	-1.933	-3.052	-39.64	-14420.6
1092_1092	1092	1092	155.13	-440.627	-1.325	-14.163	38.273	14422.65
1092_1093	1092	1093	-166.379	483.947	1.325	14.206	-21.63	-20165.4
1093_1093	1093	1093	179.642	-480.17	-1.241	17.244	24.981	20168.22
1093_1094	1093	1094	-189.996	525.794	1.241	-17.198	-9.364	-26422.4
1094_1094	1094	1094	-2067.16	214.123	0.531	-4.646	-51.405	7058.028
1094_1095	1094	1095	2088.535	-183.964	-0.531	4.646	46.356	-5253.59
1095_1095	1095	1095	-2090.63	184.033	1.104	-3.166	-46.245	5263.822
1095_1096	1095	1096	2105.181	-160.014	-1.104	3.166	37.687	-3989.7
1096_1096	1096	1096	-2105.18	160.019	6.766	7.618	-37.687	3989.687
1096_1097	1096	1097	2117.707	-136.033	-6.766	-7.618	-14.697	-2895.11
1097_1097	1097	1097	-2117.78	119.361	-4.527	-2.395	14.697	2895.196
1097_1098	1097	1098	2128.646	-94.569	4.527	2.395	21.53	-2084.1
1098_1098	1098	1098	-2128.65	94.574	-1.75	0.773	-21.53	2084.097
1098_1099	1098	1099	2137.38	-69.782	1.75	-0.773	35.533	-1462.86
1099_1099	1099	1099	-2137.38	69.788	-1.75	0.773	-35.533	1462.857
1099_1100	1099	1100	2143.976	-44.996	1.75	-0.773	49.536	-1031.45
1100_1100	1100	1100	-2143.87	29.687	11.905	8.655	-49.536	1031.405
1100_1101	1100	1101	2147.754	-11.094	-11.905	-8.655	-21.913	-925.691
1101_1101	1101	1101	-2147.75	11.098	11.825	8.598	21.913	925.691
1101_1102	1101	1102	2150.432	7.464	-11.825	-8.598	-92.762	-926.657
1102_1102	1102	1102	-2150.42	-7.46	-14.008	-10.155	92.762	926.653
1102_1103	1102	1103	2151.903	26.059	14.008	10.155	-8.667	-1034.35
1103_1103	1103	1103	-2151.92	-26.055	-10.307	-7.242	8.667	1034.366
1103_1104	1103	1104	2152.205	44.653	10.307	7.242	53.208	-1248.89
1104_1104	1104	1104	-2152.19	-59.942	0.252	-1.975	-53.208	1248.892
1104_1105	1104	1105	2151.132	84.708	-0.252	1.975	51.19	-1824.38
1105_1105	1105	1105	-2151.13	-84.703	3.115	1.345	-51.19	1824.382
1105_1106	1105	1106	2147.932	109.499	-3.115	-1.345	26.257	-2590.35
1106_1106	1106	1106	-2147.93	-109.493	3.115	1.345	-26.257	2590.35
1106_1107	1106	1107	2142.599	134.289	-3.115	-1.345	1.324	-3546.21
1107_1107	1107	1107	-2142.62	-150.536	-2.891	-2.473	-1.324	3546.249
1107_1108	1107	1108	2135.441	174.525	2.891	2.473	23.708	-4777.59
1108_1108	1108	1108	-2135.44	-174.52	-2.809	-2.271	-23.708	4777.585

1108_1109	1108	1109	2126.247	198.54	2.809	2.271	45.49	-6188.59
1109_1109	1109	1109	-2126.05	-198.487	-0.594	4.767	-46.357	6187.657
1109_1110	1109	1110	2111.563	228.647	0.594	-4.767	52.003	-8161.39
1110_1110	1110	1110	159.098	512.815	1.306	-19.454	7.732	27668.89
1110_1111	1110	1111	-136.163	-467.34	-1.306	19.513	-24.164	-21641.6
1111_1111	1111	1111	123.092	467.33	1.408	16.786	20.313	21639.55
1111_1112	1111	1112	-97.293	-424.194	-1.408	-16.732	-37.999	-16164.1
1112_1112	1112	1112	84.748	415.264	-1.893	-3.527	39.623	16163.2
1112_1113	1112	1113	-53.395	-371.436	1.893	3.493	-14.483	-11060
1113_1113	1113	1113	476.203	368.864	-1.161	2.726	20.775	8733.273
1113_1114	1113	1114	-464.344	-332.929	1.161	-2.725	-7.136	-4735.25
1114_1114	1114	1114	457.219	319.535	0.224	3.458	7.164	4735.976
1114_1115	1114	1115	-430.435	-294.638	-0.224	-3.462	-9.015	-2331.77
1115_1115	1115	1115	486.012	296.415	0.318	-1.592	9.221	1905.26
1115_1116	1115	1116	-416.806	-253.983	-0.318	1.592	-13.923	1845.904
1116_1116	1116	1116	416.81	234.631	-0.306	3.201	13.923	-1845.93
1116_1117	1116	1117	-367.442	-202.313	0.306	-3.201	-10.481	4079.04
1117_1117	1117	1117	367.442	202.327	-0.255	-3.598	10.481	-4079.04
1117_1118	1117	1118	-322.966	-170.009	0.255	3.598	-7.607	5969.51
1118_1118	1118	1118	322.966	150.281	-0.046	8.693	7.607	-5969.51
1118_1119	1118	1119	-279.982	-117.935	0.046	-8.693	-7.091	7281.624
1119_1119	1119	1119	279.982	117.949	0.054	-8.903	7.091	-7281.63
1119_1120	1119	1120	-241.93	-85.633	-0.054	8.903	-7.703	8249.805
1120_1120	1120	1120	241.929	63.886	-0.212	4.39	7.703	-8249.81
1120_1121	1120	1121	-202.634	-29.128	0.212	-4.39	-5.139	8628.905
1121_1121	1121	1121	202.634	29.144	-0.166	-4.169	5.139	-8628.91
1121_1122	1121	1122	-169.023	5.585	0.166	4.169	-3.137	8611.898
1122_1122	1122	1122	169.024	-27.149	-0.12	4.279	3.137	-8611.9
1122_1123	1122	1123	-139.146	59.493	0.12	-4.279	-1.781	7981.493
1123_1123	1123	1123	139.146	-59.478	-0.07	-3.705	1.781	-7981.49
1123_1124	1123	1124	-114.187	91.793	0.07	3.705	-0.988	7008.965
1124_1124	1124	1124	114.187	-114.735	-0.302	5.628	0.988	-7008.97
1124_1125	1124	1125	-94.351	147.079	0.302	-5.628	2.411	5435.071
1125_1125	1125	1125	94.351	-147.064	-0.201	-4.799	-2.411	-5435.07
1125_1126	1125	1126	-79.425	179.378	0.201	4.799	4.677	3519.928
1126_1126	1126	1126	79.421	-196.372	-0.581	0.312	-4.677	-3519.91
1126_1127	1126	1127	-63.931	236.442	0.581	-0.312	12.781	415.904
1127_1127	1127	1127	67.255	-235.32	-0.494	0.337	-12.515	-400.058
1127_1128	1127	1128	-61.575	258.519	0.494	-0.342	16.594	-1675.7
1128_1128	1128	1128	67.652	-271.961	1.957	-3.923	-16.739	1676.581
1128_1129	1128	1129	-64.671	305.358	-1.957	3.953	-6.274	-5116.04
1129_1129	1129	1129	74.538	-302.473	3.992	8.53	6.059	5110.706
1129_1130	1129	1130	-85.188	345.287	-3.992	-8.564	-59.053	-9403.4
1130_1130	1130	1130	97.368	-373.296	-8.31	-6.272	58.095	9405.848
1130_1131	1130	1131	-121.274	415.466	8.31	6.335	46.199	-14265.9
1131_1131	1131	1131	132.555	-411.655	-8.26	7.227	-44.908	14269.37
1131_1132	1131	1132	-154.044	456.2	8.26	-7.157	148.959	-19632.4
1132_1132	1132	1132	-1719.23	203.947	33.802	16.373	-410.354	4849.43
1132_1133	1132	1133	1742.426	-174.562	-33.802	-16.373	89.232	-3146.11
1133_1133	1133	1133	-1746.58	174.473	31.383	11.942	-89.603	3166.182
1133_1134	1133	1134	1764.142	-152.227	-31.383	-11.942	-153.613	-1972.25
1134_1134	1134	1134	-1764.35	152.235	1.52	-25.935	153.613	1972.153
1134_1135	1134	1135	1779.624	-129.985	-1.52	25.935	-165.395	-941.309
1135_1135	1135	1135	-1779.68	109.629	-3.755	0.376	165.395	941.811
1135_1136	1135	1136	1792.422	-86.66	3.755	-0.376	-135.352	-209.397

1136_1136	1136	1136	-1792.42	86.669	-6.165	-0.771	135.352	209.397
1136_1137	1136	1137	1802.718	-63.699	6.165	0.771	-86.024	349.035
1137_1137	1137	1137	-1802.73	63.708	-3.755	-0.203	86.024	-349.035
1137_1138	1137	1138	1810.586	-40.739	3.755	0.203	-55.982	733.456
1138_1138	1138	1138	-1810.66	24.951	-3.577	-0.03	55.982	-733.455
1138_1139	1138	1139	1815.429	-7.752	3.577	0.03	-34.549	810.831
1139_1139	1139	1139	-1815.43	7.759	-0.294	0.187	34.549	-810.832
1139_1140	1139	1140	1818.836	9.468	0.294	-0.187	-32.786	790.542
1140_1140	1140	1140	-1818.84	-9.461	-0.294	0.187	32.786	-790.542
1140_1141	1140	1141	1820.867	26.688	0.294	-0.187	-31.023	672.381
1141_1141	1141	1141	-1820.87	-26.681	-3.507	-0.392	31.023	-672.381
1141_1142	1141	1142	1821.523	43.908	3.507	0.392	-9.973	456.339
1142_1142	1142	1142	-1821.53	-63.265	0.228	0.911	9.973	-456.33
1142_1143	1142	1143	1818.475	86.234	-0.228	-0.911	-11.8	-131.723
1143_1143	1143	1143	-1818.48	-86.225	0.228	0.911	11.8	131.723
1143_1144	1143	1144	1812.979	109.194	-0.228	-0.911	-13.628	-893.77
1144_1144	1144	1144	-1812.98	-109.185	-2.182	-1.532	13.628	893.77
1144_1145	1144	1145	1805.04	132.154	2.182	1.532	3.832	-1829.84
1145_1145	1145	1145	-1805	-148.266	-5.159	-0.755	-3.832	1829.816
1145_1146	1145	1146	1795.066	170.489	5.159	0.755	43.773	-3026.15
1146_1146	1146	1146	-1795.07	-170.48	-5.108	-0.647	-43.773	3026.145
1146_1147	1146	1147	1782.828	192.732	5.108	0.647	83.367	-4387.21
1147_1147	1147	1147	-1773.54	-192.802	-3.842	2.846	-82.98	4341.883
1147_1148	1147	1148	1755.932	222.191	3.842	-2.846	119.484	-6245.57
1148_1148	1148	1148	102.689	424.456	0.09	-8.14	-4.839	21146.17
1148_1149	1148	1149	-75.229	-380.099	-0.09	8.171	3.706	-16209.2
1149_1149	1149	1149	64.829	383.001	0.158	6.244	-5.227	16206.65
1149_1150	1149	1150	-33.439	-341.04	-0.158	-6.216	3.239	-11784.2
1150_1150	1150	1150	23.029	329.677	-0.014	-1.088	-2.606	11782.66
1150_1151	1150	1151	11.347	-287.012	0.014	1.07	2.792	-7796.69
1151_1151	1151	1151	487.61	282.246	-0.136	-0.316	-1.774	5072.317
1151_1152	1151	1152	-470.065	-248.334	0.136	0.303	3.369	-2103.48
1152_1152	1152	1152	464.757	234.423	-0.027	0.334	-3.376	2103.929
1152_1153	1152	1153	-433.703	-210.973	0.027	-0.334	3.599	-413.805
1153_1153	1153	1153	460.738	212.909	-0.007	-0.501	-3.622	270.861
1153_1154	1153	1154	-392.569	-174.88	0.007	0.501	3.72	2105.584
1154_1154	1154	1154	392.57	156.567	0.162	2.82	-3.72	-2105.6
1154_1155	1154	1155	-342.118	-126.122	-0.162	-2.82	1.934	3446.468
1155_1155	1155	1155	342.118	126.143	0.234	-3.067	-1.934	-3446.47
1155_1156	1155	1156	-296.78	-95.698	-0.234	3.067	-0.644	4472.89
1156_1156	1156	1156	296.783	77.715	0.011	3.522	0.644	-4472.91
1156_1157	1156	1157	-257.614	-49.982	-0.011	-3.522	-0.756	4944.47
1157_1157	1157	1157	257.614	50.001	0.089	-3.488	0.756	-4944.47
1157_1158	1157	1158	-222.721	-22.296	-0.089	3.488	-1.642	5155.045
1158_1158	1158	1158	222.72	4.956	0.09	3.284	1.642	-5155.06
1158_1159	1158	1159	-189.597	22.776	-0.09	-3.284	-2.543	4921.312
1159_1159	1159	1159	189.597	-22.758	0.167	-3.016	2.543	-4921.31
1159_1160	1159	1160	-160.743	50.462	-0.167	3.016	-4.219	4427.296
1160_1160	1160	1160	160.744	-68.003	-0.097	0.263	4.219	-4427.33
1160_1161	1160	1161	-131.334	98.448	0.097	-0.263	-3.146	3380.595
1161_1161	1161	1161	131.334	-101.751	-0.097	0.263	3.146	-3380.6
1161_1162	1161	1162	-110.821	132.196	0.097	-0.263	-2.074	1997.887
1162_1162	1162	1162	110.819	-148.454	0.289	0.364	2.074	-1997.87
1162_1163	1162	1163	-89.216	186.482	-0.289	-0.364	-6.049	-407.532
1163_1163	1163	1163	92.635	-185.301	0.26	0.183	5.872	401.779

1163_1164	1163	1164	-83.97	208.781	-0.26	-0.186	-8.018	-2075.57
1164_1164	1164	1164	89.022	-222.676	0.045	0.312	8.028	2076.379
1164_1165	1164	1165	-80.922	256.488	-0.045	-0.309	-8.56	-4955.22
1165_1165	1165	1165	78.521	-253.562	1.123	0.467	2.733	5008.581
1165_1166	1165	1166	-82.269	296.085	-1.123	-0.508	-17.644	-8686.07
1166_1166	1166	1166	91.97	-308.141	-0.563	-4.909	17.213	8688.467
1166_1167	1166	1167	-101.616	349.941	0.563	4.956	-10.151	-12820.1
1167_1167	1167	1167	111.254	-346.13	-0.495	6.164	11.348	12823.64
1167_1168	1167	1168	-124.66	390.255	0.495	-6.112	-5.112	-17441.2
1168_1168	1168	1168	-1496.42	218.306	0.775	-1.435	-19.901	5093.022
1168_1169	1168	1169	1522.411	-189.113	-0.775	1.435	12.533	-3262.83
1169_1169	1169	1169	-1526.83	189.052	1.565	0.083	-13.276	3284.349
1169_1170	1169	1170	1546.265	-166.728	-1.565	-0.083	1.144	-1984.65
1170_1170	1170	1170	-1546.27	166.741	1.565	0.083	-1.144	1984.651
1170_1171	1170	1171	1563.304	-144.417	-1.565	-0.083	-10.988	-848.376
1171_1171	1171	1171	-1563.32	127.08	0.307	0.349	10.988	848.372
1171_1172	1171	1172	1578.186	-104.036	-0.307	-0.349	-13.447	15.177
1172_1172	1172	1172	-1578.19	104.05	-1.93	-0.446	13.447	-15.176
1172_1173	1172	1173	1590.487	-81.034	1.93	0.446	1.978	703.855
1173_1173	1173	1173	-1590.49	81.047	0.307	-0.405	-1.978	-703.855
1173_1174	1173	1174	1600.252	-58.003	-0.307	0.405	-0.482	1219.35
1174_1174	1174	1174	-1600.26	41.152	0.886	-0.186	0.482	-1219.37
1174_1175	1174	1175	1606.392	-23.869	-0.886	0.186	-5.799	1388.571
1175_1175	1175	1175	-1606.39	23.879	-2.035	0.67	5.799	-1388.57
1175_1176	1175	1176	1611.089	-6.595	2.035	-0.67	6.414	1459.826
1176_1176	1176	1176	-1611.09	6.606	0.886	-0.225	-6.414	-1459.83
1176_1177	1176	1177	1614.353	10.678	-0.886	0.225	1.097	1433.129
1177_1177	1177	1177	-1614.35	-10.667	0.886	-0.225	-1.097	-1433.13
1177_1178	1177	1178	1616.179	27.95	-0.886	0.225	-4.221	1308.481
1178_1178	1178	1178	-1616.19	-44.759	-0.994	0.012	4.221	-1308.48
1178_1179	1178	1179	1617.033	67.775	0.994	-0.012	3.726	853.44
1179_1179	1179	1179	-1617.03	-67.762	1.243	0.234	-3.726	-853.44
1179_1180	1179	1180	1615.325	90.806	-1.243	-0.234	-6.221	223.813
1180_1180	1180	1180	-1615.33	-90.792	1.243	0.234	6.221	-223.813
1180_1181	1180	1181	1611.065	113.836	-1.243	-0.234	-16.168	-579.947
1181_1181	1181	1181	-1611.08	-130.97	-2.324	0.806	16.168	579.981
1181_1182	1181	1182	1604.418	153.294	2.324	-0.806	1.847	-1657.23
1182_1182	1182	1182	-1604.42	-156.623	-2.324	0.806	-1.847	1657.228
1182_1183	1182	1183	1592.848	178.947	2.324	-0.806	19.862	-2913.81
1183_1183	1183	1183	-1582.9	-178.979	-2.975	-0.702	-19.008	2865.256
1183_1184	1183	1184	1565.655	208.169	2.975	0.702	47.274	-4638.21
1184_1184	1184	1184	87.265	396.637	0.37	5.275	-9.969	16817.09
1184_1185	1184	1185	-53.55	-352.786	-0.37	-5.229	5.306	-12218.1
1185_1185	1185	1185	43.79	356.562	0.298	-6.083	-4.128	12215.25
1185_1186	1185	1186	-6.991	-315.018	-0.298	6.124	0.381	-8105.15
1186_1186	1186	1186	-2.772	303.399	-0.483	-0.601	-0.895	8103.431
1186_1187	1186	1187	40.141	-261.153	0.483	0.573	7.312	-4446.4
1187_1187	1187	1187	411.471	258.196	-0.059	-0.664	3.651	1979.516
1187_1188	1187	1188	-396.404	-223.735	0.059	0.657	-2.955	733.977
1188_1188	1188	1188	391.574	208.492	-0.088	-2.139	2.956	-733.275
1188_1189	1188	1189	-366.053	-184.649	0.088	2.138	-2.234	2232.505
1189_1189	1189	1189	380.731	186.774	-0.133	0.734	2.3	-2239.37
1189_1190	1189	1190	-327.488	-146.562	0.133	-0.734	-0.466	4311.856
1190_1190	1190	1190	327.491	127.898	0.195	-4.241	0.466	-4311.85
1190_1191	1190	1191	-288.615	-95.729	-0.195	4.241	-2.607	5380.392

1191_1191	1191	1191	288.615	95.75	0.113	3.499	2.607	-5380.39
1191_1192	1191	1192	-254.76	-63.58	-0.113	-3.499	-3.854	6114.436
1192_1192	1192	1192	254.764	44.386	0.027	4.123	3.854	-6114.43
1192_1193	1192	1193	-226	-14.819	-0.027	-4.123	-4.129	6291.711
1193_1193	1193	1193	226	14.838	0.115	-4.406	4.129	-6291.71
1193_1194	1193	1194	-201.477	14.728	-0.115	4.406	-5.296	6186.424
1194_1194	1194	1194	201.49	-33.265	-0.157	0.082	5.296	-6186.51
1194_1195	1194	1195	-179.144	62.832	0.157	-0.082	-3.713	5603.049
1195_1195	1195	1195	179.144	-62.813	-0.157	0.082	3.713	-5603.05
1195_1196	1195	1196	-161.041	92.38	0.157	-0.082	-2.129	4737.009
1196_1196	1196	1196	161.017	-111.809	0.053	-1.683	2.129	-4736.94
1196_1197	1196	1197	-144.082	143.979	-0.053	1.683	-2.714	3251.792
1197_1197	1197	1197	144.082	-143.957	-0.03	2.246	2.714	-3251.79
1197_1198	1197	1198	-132.176	176.098	0.03	-2.246	-2.387	1433.907
1198_1198	1198	1198	132.193	-197.73	0.161	0.49	2.387	-1433.95
1198_1199	1198	1199	-126.613	237.942	-0.161	-0.49	-4.604	-1600.05
1199_1199	1199	1199	128.017	-236.476	0.125	0.099	4.315	1570.98
1199_1200	1199	1200	-127.118	261.246	-0.125	-0.104	-5.345	-3640.76
1200_1200	1200	1200	133.377	-277.475	1.003	0.529	5.363	3641.798
1200_1201	1200	1201	-133.966	313.137	-1.003	-0.499	-17.152	-7134.89
1201_1201	1201	1201	139.314	-309.275	3.075	0.897	14.234	7158.313
1201_1202	1201	1202	-149.393	355.196	-3.075	-0.957	-55.031	-11544.8
1202_1202	1202	1202	161.157	-370.354	-2.244	1.762	55.247	11548.05
1202_1203	1202	1203	-171.933	415.465	2.244	-1.702	-27.07	-16448.3
1203_1203	1203	1203	183.338	-410.779	-2.244	0.949	27.105	16452.65
1203_1204	1203	1204	-194.897	458.195	2.244	-0.883	1.154	-21877.8
1204_1204	1204	1204	-1819.39	231.988	5.951	1.582	-66.587	6241.697
1204_1205	1204	1205	1844.015	-200.383	-5.951	-1.582	10.039	-4290.58
1205_1205	1205	1205	-1843.69	200.343	4.566	-2.07	-9.634	4062.919
1205_1206	1205	1206	1861.903	-176.08	-4.566	2.07	-25.711	-2680.17
1206_1206	1206	1206	-1861.9	176.094	4.621	-1.989	25.711	2680.169
1206_1207	1206	1207	1877.847	-151.8	-4.621	1.989	-61.533	-1474.63
1207_1207	1207	1207	-1877.61	131.869	-7.071	-1.254	61.533	1474.669
1207_1208	1207	1208	1891.448	-106.791	7.071	1.254	-4.949	-576.778
1208_1208	1208	1208	-1891.46	106.805	-4.471	0.254	4.949	576.777
1208_1209	1208	1209	1902.852	-81.728	4.471	-0.254	30.827	130.238
1209_1209	1209	1209	-1902.85	81.741	-4.471	0.254	-30.827	-130.238
1209_1210	1209	1210	1911.807	-56.664	4.471	-0.254	66.602	646.402
1210_1210	1210	1210	-1911.94	38.824	-3.062	0.014	-66.602	-646.425
1210_1211	1210	1211	1917.415	-20.016	3.062	-0.014	84.979	799.716
1211_1211	1211	1211	-1917.42	20.026	0.405	0.189	-84.979	-799.718
1211_1212	1211	1212	1921.524	-1.218	-0.405	-0.189	82.546	845.649
1212_1212	1212	1212	-1921.52	1.228	0.336	0.185	-82.546	-845.649
1212_1213	1212	1213	1924.255	17.548	-0.336	-0.185	80.534	784.418
1213_1213	1213	1213	-1924.25	-17.538	-3.062	-0.184	-80.534	-784.416
1213_1214	1213	1214	1925.617	36.347	3.062	0.184	98.91	615.812
1214_1214	1214	1214	-1925.76	-54.429	5.663	0.46	-98.91	-615.823
1214_1215	1214	1215	1925.843	79.507	-5.663	-0.46	53.594	77.651
1215_1215	1215	1215	-1925.85	-79.493	3.063	-0.809	-53.594	-77.651
1215_1216	1215	1216	1923.496	104.571	-3.063	0.809	29.087	-651.393
1216_1216	1216	1216	-1923.49	-104.557	5.663	1.405	-29.087	651.392
1216_1217	1216	1217	1918.696	129.635	-5.663	-1.405	-16.229	-1571.27
1217_1217	1217	1217	-1918.58	-148.564	-2.445	-0.166	16.229	1571.271
1217_1218	1217	1218	1911.577	172.858	2.445	0.166	2.726	-2791.16
1218_1218	1218	1218	-1911.58	-172.845	-2.501	-0.271	-2.726	2791.16

1218_1219	1218	1219	1902.3	197.107	2.501	0.271	22.086	-4188.24
1219_1219	1219	1219	-1897.11	-197.118	-1.09	3.201	-21.838	4395.707
1219_1220	1219	1220	1882.669	228.719	1.09	-3.201	32.198	-6361.86
1220_1220	1220	1220	182.455	468.443	2.712	-47.389	10.041	22083.33
1220_1221	1220	1221	-152.86	-421.311	-2.712	47.446	-44.193	-16615.2
1221_1221	1221	1221	141.268	426.557	3.076	42.264	34.623	16611.94
1221_1222	1221	1222	-106.602	-381.785	-3.076	-42.209	-73.237	-11669.7
1222_1222	1222	1222	95.135	373.636	-3.285	-3.231	77.09	11666.39
1222_1223	1222	1223	-55.337	-328	3.285	3.134	-33.472	-7139.61
1223_1223	1223	1223	508.964	326.127	-0.614	1.359	14.993	4600.061
1223_1224	1223	1224	-486.226	-289.872	0.614	-1.344	-7.771	-1144.94
1224_1224	1224	1224	479.836	275.136	0.147	10.049	7.699	1145.345
1224_1225	1224	1225	-444.86	-250.008	-0.147	-10.05	-8.915	853.847
1225_1225	1225	1225	416.211	252.996	0.426	-7.282	9.327	-666.227
1225_1226	1225	1226	-340.772	-201.335	-0.426	7.282	-16.32	4074.84
1226_1226	1226	1226	340.76	177.883	0.066	20.349	16.32	-4074.36
1226_1227	1226	1227	-288.134	-139.034	-0.066	-20.349	-17.13	5805.433
1227_1227	1227	1227	288.133	139.058	0.434	-19.925	17.13	-5805.44
1227_1228	1227	1228	-241.438	-100.239	-0.434	19.925	-22.486	7080.002
1228_1228	1228	1228	241.23	75.475	0.112	15.118	22.486	-7077.61
1228_1229	1228	1229	-198.993	-34.464	-0.112	-15.118	-23.865	7572.42
1229_1229	1229	1229	198.991	34.652	0.358	-14.137	23.865	-7572.42
1229_1230	1229	1230	-164.984	6.328	-0.358	14.137	-28.28	7596.187
1230_1230	1230	1230	164.878	-31.118	0.177	12.421	28.28	-7593.6
1230_1231	1230	1231	-136.763	72.102	-0.177	-12.421	-30.458	6829.232
1231_1231	1231	1231	136.768	-71.914	0.423	-11.531	30.458	-6829.24
1231_1232	1231	1232	-116.861	112.867	-0.423	11.531	-35.675	5595.374
1232_1232	1232	1232	116.86	-138.899	1.848	9.111	35.675	-5594.36
1232_1233	1232	1233	-108.668	171.744	-1.848	-9.111	-53.943	4013.526
1233_1233	1233	1233	108.634	-171.581	2.089	-3.197	53.943	-4013.31
1233_1234	1233	1234	-105.727	209.716	-2.089	3.197	-77.918	1798.741
1234_1234	1234	1234	111.686	-208.764	2.583	-9.893	82.635	-1821.51
1234_1235	1234	1235	-112.217	219.388	-2.583	9.895	-90.749	1145.93
1235_1235	1235	1235	130.973	-233.543	0.003	-1.634	98.884	-1207.11
1235_1236	1235	1236	-136.826	258.097	-0.003	1.571	-98.906	-543.975
1236_1236	1236	1236	135.992	-258.456	0.14	0.605	98.961	544.127
1236_1237	1236	1237	-147.684	292.076	-0.14	-0.68	-100.32	-3190.5
1237_1237	1237	1237	167.403	-287.725	-0.13	7.885	98.338	3126.618
1237_1238	1237	1238	-174.165	306.893	0.13	-7.962	-97.723	-4528.43
1238_1238	1238	1238	180.037	-322.066	5.354	-11.824	96.603	4528.658
1238_1239	1238	1239	-194.92	365.884	-5.354	11.719	-154.141	-8176.93
1239_1239	1239	1239	203.476	-361.085	5.545	10.552	156.212	8180.002
1239_1240	1239	1240	-218.531	407.114	-5.545	-10.685	-217.044	-12334.3
1240_1240	1240	1240	233.54	-424.829	-28.857	-21.659	214.074	12332.55
1240_1241	1240	1241	-247.369	476.746	28.857	21.978	129.805	-17643.4
1241_1241	1241	1241	-1702.64	281.154	-7.972	16.55	280.599	4928.937
1241_1242	1241	1242	1729.91	-243.917	7.972	-16.55	-204.843	-2544.19
1242_1242	1242	1242	-1726.89	243.972	-5.875	19.879	205.455	2529.54
1242_1243	1242	1243	1735.169	-231.734	5.875	-19.879	-186.861	-1810.36
1243_1243	1243	1243	-1733.02	212.688	-31.632	-3.481	186.861	1808.69
1243_1244	1243	1244	1755.382	-177.056	31.632	3.481	104.602	-103.712
1244_1244	1244	1244	-1755.5	177.184	-25.361	-0.616	-104.602	103.838
1244_1245	1244	1245	1776.021	-136.936	25.361	0.616	368.558	1447.342
1245_1245	1245	1245	-1776.41	121.919	-14.618	1.82	-368.558	-1447.21
1245_1246	1245	1246	1791.354	-84.221	14.618	-1.82	511.057	2390.814

1246_1246	1246	1246	-1791.39	84.349	-8.41	-2.327	-511.057	-2390.8
1246_1247	1246	1247	1802.036	-46.139	8.41	2.327	594.157	2991.367
1247_1247	1247	1247	-1802.13	27.918	0.036	2.719	-594.157	-2990.66
1247_1248	1247	1248	1808.231	7.2	-0.036	-2.719	593.829	3058.832
1248_1248	1248	1248	-1808.26	-7.072	3.815	-0.73	-593.829	-3058.67
1248_1249	1248	1249	1810.535	47.816	-3.815	0.73	553.629	2758.553
1249_1249	1249	1249	-1809.38	-67.509	-10.693	2.405	-553.629	-2758.03
1249_1250	1249	1250	1806.801	107.487	10.693	-2.405	664.174	1861.834
1250_1250	1250	1250	-1806.8	-107.359	-2.982	0.524	-664.174	-1861.95
1250_1251	1250	1251	1800.257	143.276	2.982	-0.524	691.867	722.344
1251_1251	1251	1251	-1803.12	-170.076	62.464	-3.936	-691.867	-722.378
1251_1252	1251	1252	1792.736	209.259	-62.464	3.936	58.95	-1159.9
1252_1252	1252	1252	-1792.56	-212.522	68.311	3.72	-58.95	1160.035
1252_1253	1252	1253	1772.473	255.867	-68.311	-3.72	-706.727	-3707.14
1253_1253	1253	1253	-1770.24	-255.765	66.949	0.161	706.661	3696.127
1253_1254	1253	1254	1763.492	268.149	-66.949	-0.161	-918.266	-4497.82
1254_1254	1254	1254	-1758.84	-293.871	-34.493	-39.453	918.266	4495.308
1254_1255	1254	1255	1745.387	318.687	34.493	39.453	-699.791	-6382.92
1255_1255	1255	1255	218.398	435.979	-48.3	1.185	669.117	19221.29
1255_1256	1255	1256	-199.412	-400.526	48.3	-1.644	-276.778	-15913.4
1256_1256	1256	1256	192.755	404.272	-48.174	33.164	272.981	15910.62
1256_1257	1256	1257	-174.039	-373.395	48.174	-33.549	77.274	-13161.8
1257_1257	1257	1257	163.546	358.424	9.5	-20.506	-71.879	13156.48
1257_1258	1257	1258	-134.802	-315.466	-9.5	21.22	-26.822	-9762.04
1258_1258	1258	1258	126.932	320.281	9.694	13.465	24.162	9760.153
1258_1259	1258	1259	-90.56	-269.362	-9.694	-12.793	-146.749	-6148.58
1259_1259	1259	1259	519.987	256.202	1.164	5.186	17.109	3818.22
1259_1260	1259	1260	-533.317	-218.697	-1.164	-5.125	-29.394	-1295.4
1260_1260	1260	1260	528.568	225.152	1.397	-4.726	29.574	1294.349
1260_1261	1260	1261	-523.719	-192.047	-1.397	4.747	-42.776	649.393
1261_1261	1261	1261	547.92	195.651	1.555	-7.796	42.355	-917.178
1261_1262	1261	1262	-542.874	-184.738	-1.555	7.796	-47.28	1500.464
1262_1262	1262	1262	542.758	155.42	-0.45	15.205	47.28	-1499.43
1262_1263	1262	1263	-530.436	-117.122	0.45	-15.205	-42.278	2970.105
1263_1263	1263	1263	530.402	117.306	-0.073	-13.509	42.278	-2969.97
1263_1264	1263	1264	-524.837	-76.185	0.073	13.509	-41.413	4109.704
1264_1264	1264	1264	524.771	52.227	0.774	18.261	41.413	-4109.47
1264_1265	1264	1265	-523.568	-12.338	-0.774	-18.261	-50.376	4485.414
1265_1265	1265	1265	523.572	12.523	1.162	-17.689	50.376	-4485.42
1265_1266	1265	1266	-529.754	27.036	-1.162	17.689	-63.716	4435.438
1266_1266	1266	1266	529.734	-51.725	0.012	11.857	63.716	-4435.23
1266_1267	1266	1267	-540.079	91.963	-0.012	-11.857	-63.852	3646.152
1267_1267	1267	1267	540.088	-91.779	0.277	-11.633	63.852	-3646.2
1267_1268	1267	1268	-557.461	130.952	-0.277	11.633	-67.006	2459.479
1268_1268	1268	1268	557.404	-155.153	1.48	10.235	67.006	-2459.17
1268_1269	1268	1269	-582.803	200.117	-1.48	-10.235	-86.319	254.016
1269_1269	1269	1269	582.856	-199.922	1.831	-11.358	86.319	-254.276
1269_1270	1269	1270	-612.961	239.378	-1.831	11.358	-107.291	-2128.88
1270_1270	1270	1270	613.026	-259.475	-3.725	3.25	107.291	2128.572
1270_1271	1270	1271	-639.299	291.056	3.725	-3.25	-73.148	-4537.83
1271_1271	1271	1271	639.247	-294.245	-3.45	-2.675	73.148	4538.126
1271_1272	1271	1272	-681.19	332.692	3.45	2.675	-34.656	-7855.39
1272_1272	1272	1272	617.533	-330.728	-2.834	1.742	31.219	8346.765
1272_1273	1272	1273	-629.6	346.105	2.834	-1.732	-19.396	-9704.88
1273_1273	1273	1273	634.748	-366.523	19.189	-7.563	19.21	9705.916

1273_1274	1273	1274	-642.7	396.015	-19.189	7.583	-171.83	-12675.7
1274_1274	1274	1274	649.394	-390.483	19.339	-2.938	171.967	12675.75
1274_1275	1274	1275	-641.807	420.136	-19.339	2.971	-324.329	-15844.6
1275_1275	1275	1275	562.113	-418.058	19.86	27.751	325.595	16349.68
1275_1276	1275	1276	-556.082	435.701	-19.86	-27.728	-408.639	-18127.4
1276_1276	1276	1276	266.47	-449.548	-79.584	-61.621	485.227	19751.14
1276_1277	1276	1277	-281.385	499.626	79.584	62.092	451.462	-25264.4
1277_1277	1277	1277	294.167	-493.205	-79.366	48.478	-443.659	25268.18
1277_1278	1277	1278	-307.557	549.672	79.366	-47.836	1460.262	-31859.8
1278_1278	1278	1278	319.56	-532.948	130.767	-79.05	-1478	31864.02
1278_1279	1278	1279	-328.349	577.143	-130.767	78.689	216.599	-37146.5
1279_1279	1279	1279	-2417.25	380.525	45.894	41.391	-829.062	13377.31
1279_1280	1279	1280	2446.171	-341.831	-45.894	-41.391	392.957	-10059.5
1280_1280	1280	1280	-2444.76	341.866	47.428	51.499	-391.924	10267.39
1280_1281	1280	1281	2459.898	-321.111	-47.428	-51.499	134.848	-8531.93
1281_1281	1281	1281	-2504.3	304.166	-23.619	-10.382	-145.404	8735.229
1281_1282	1281	1282	2532.048	-260.379	23.619	10.382	437.328	-5359.14
1282_1282	1282	1282	-2532.1	260.527	-15.743	7.293	-437.328	5359.109
1282_1283	1282	1283	2553.26	-217.509	15.743	-7.293	628.49	-2543.25
1283_1283	1283	1283	-2553.26	169.079	13.912	-2.154	-628.49	2543.278
1283_1284	1283	1284	2566.76	-125.128	-13.912	2.154	455.899	-773.718
1284_1284	1284	1284	-2566.66	125.268	22.461	3.331	-455.899	773.518
1284_1285	1284	1285	2573.26	-87.157	-22.461	-3.331	214.276	341.312
1285_1285	1285	1285	-2573.17	49.721	29.565	-0.202	-214.276	-341.361
1285_1286	1285	1286	2575.699	-10.078	-29.565	0.202	-116.56	664.368
1286_1286	1286	1286	-2575.58	10.208	37.458	0.997	116.56	-664.459
1286_1287	1286	1287	2573.331	26.648	-37.458	-0.997	-506.239	586.492
1287_1287	1287	1287	-2573.67	-63.768	-22.639	-2.828	506.239	-586.144
1287_1288	1287	1288	2565.742	110.168	22.639	2.828	-209.722	-523.032
1288_1288	1288	1288	-2565.75	-113.443	-13.576	2.646	209.722	522.804
1288_1289	1288	1289	2550.673	153.199	13.576	-2.646	-57.376	-1960.4
1289_1289	1289	1289	-2550.58	-188.271	-2.264	0.35	57.376	1959.872
1289_1290	1289	1290	2544.178	202.459	2.264	-0.35	-48.308	-2717.25
1290_1290	1290	1290	-2542.46	-202.425	1.531	5.586	48.925	2485.735
1290_1291	1290	1291	2524.976	238.387	-1.531	-5.586	-63.47	-4512.53
1291_1291	1291	1291	307.363	788.138	25.079	-12.988	-220.391	24817.26
1291_1292	1291	1292	-291.972	-756.217	-25.079	12.807	33.793	-19174.4
1292_1292	1292	1292	269.856	731.791	2.641	-28.693	-32.638	19172.59
1292_1293	1292	1293	-235.476	-679.238	-2.641	28.671	-0.849	-10418.6
1293_1293	1293	1293	214.896	686.255	2.743	25.597	-3.071	10415.99
1293_1294	1293	1294	-178.599	-641.366	-2.743	-25.608	-27.622	-3156.36
1294_1294	1294	1294	137.657	612.544	-2.403	-3.096	53.578	3303.573
1294_1295	1294	1295	-112.577	-584.863	2.403	3.045	-36.632	814.611
1295_1295	1295	1295	72.169	588.124	-2.662	1.64	45.508	-657.043
1295_1296	1295	1296	-45.734	-563.23	2.662	-1.661	-26.454	4662.373
1296_1296	1296	1296	38.045	565.502	-2.646	-0.36	26.478	-4662.5
1296_1297	1296	1297	-11.33	-534.98	2.646	0.359	-3.211	9377.396
1297_1297	1297	1297	11.038	495.736	0.565	26.029	3.211	-9377.77
1297_1298	1297	1298	0.4	-481.675	-0.565	-26.029	-5.5	11304.79
1298_1298	1298	1298	38.531	482.125	0.767	14.88	1.91	-11524.1
1298_1299	1298	1299	-19.462	-448.889	-0.767	-14.88	-8.402	15375.8
1299_1299	1299	1299	19.405	448.989	0.819	-24.86	8.402	-15375.4
1299_1300	1299	1300	3.535	-401.935	-0.819	24.86	-18.219	20367.66
1300_1300	1300	1300	-3.556	354.609	1.315	42.376	18.219	-20367.5
1300_1301	1300	1301	23.842	-302.93	-1.315	-42.376	-35.523	24601.03

1301_1301	1301	1301	-23.799	303.05	1.38	-43.099	35.523	-24601.3
1301_1302	1301	1302	36.665	-258.576	-1.38	43.099	-51.154	27723.03
1302_1302	1302	1302	-36.708	206.862	-0.143	60.377	51.154	-27722.8
1302_1303	1302	1303	47.4	-154.01	0.143	-60.377	-49.223	30103.25
1303_1303	1303	1303	-47.35	154.13	-0.067	-64.962	49.223	-30103.5
1303_1304	1303	1304	51.642	-110.784	0.067	64.962	-48.483	31547.2
1304_1304	1304	1304	-51.681	56.9	1.161	57.71	48.483	-31547.1
1304_1305	1304	1305	52.572	-5.605	-1.161	-57.71	-63.658	31953.19
1305_1305	1305	1305	-52.532	5.725	1.226	-56.192	63.658	-31953.4
1305_1306	1305	1306	48.677	39.151	-1.226	56.192	-77.674	31782.26
1306_1306	1306	1306	-48.682	-95.44	0.062	54.141	77.674	-31782.2
1306_1307	1306	1307	38.882	142.01	-0.062	-54.141	-78.414	30422.02
1307_1307	1307	1307	-38.896	-141.891	0.119	-41.396	78.414	-30422
1307_1308	1307	1308	23.333	191.499	-0.119	41.396	-79.921	28391.13
1308_1308	1308	1308	-23.317	-241.683	1.979	48.506	79.921	-28391.3
1308_1309	1308	1309	4.328	289.435	-1.979	-48.506	-103.991	25252.95
1309_1309	1309	1309	-4.321	-289.316	2.041	-38.299	103.991	-25252.9
1309_1310	1309	1310	-19.948	337.765	-2.041	38.299	-129.182	21500.37
1310_1310	1310	1310	19.94	-382.45	-1.703	31.159	129.182	-21500.3
1310_1311	1310	1311	-49.332	432.739	1.703	-31.159	-107.371	16420.26
1311_1311	1311	1311	49.327	-432.614	-1.64	-24.186	107.371	-16420.3
1311_1312	1311	1312	-84.068	482.793	1.64	24.186	-86.403	10736.54
1312_1312	1312	1312	83.91	-525.7	-4.813	5.781	86.403	-10735.8
1312_1313	1312	1313	-145.126	596.18	4.813	-5.781	0	958.882
1400_1020	1400	1020	2432.959	-222.56	-25.064	0.617	-195.056	-3242.11
1400_1401	1400	1401	-2434.01	226.543	25.064	-0.617	297.609	2323.321
1401_1401	1401	1401	2432.762	-221.077	18.973	-5.512	-306.22	-2323.05
1401_1402	1401	1402	-2433.67	224.471	-18.973	5.512	240.015	1545.665
1402_1402	1402	1402	2438.364	-165.617	20.966	1.577	-239.7	-1545.72
1402_1403	1402	1403	-2441.46	176.166	-20.966	-1.577	10.791	-320.117
1403_1403	1403	1403	2463.882	-102.613	3.247	-0.475	-23.181	320.09
1403_1404	1403	1404	-2466.14	109.513	-3.247	0.475	-0.231	-1084.83
1404_1404	1404	1404	2468.019	-52.093	1.78	0.169	0.449	1084.825
1404_1405	1404	1405	-2470.44	58.942	-1.78	-0.169	-13.293	-1485.31
1405_1405	1405	1405	2468.286	25.598	1.251	-0.293	0.924	1485.284
1405_1406	1405	1406	-2473.59	-12.095	-1.251	0.293	-18.947	-1213.68
1406_1406	1406	1406	2468.118	97.277	0.125	-0.429	7.368	1213.66
1406_1407	1406	1407	-2471.67	-89.093	-0.125	0.429	-8.471	-387.832
1407_1407	1407	1407	2469.261	140.881	-1.21	-0.402	8.554	387.831
1407_1408	1407	1408	-2471.72	-135.539	1.21	0.402	-1.827	380.263
1408_1408	1408	1408	2444.841	-385.424	2.563	1.227	3.837	-380.274
1408_1409	1408	1409	-2445.54	388.541	-2.563	-1.227	-11.577	-788.573
1409_1409	1409	1409	2439.597	362.262	3.392	-2.05	11.762	788.014
1409_1410	1409	1410	-2438.9	-359.145	-3.392	2.05	-22.008	301.46
1410_1410	1410	1410	2450.765	-159.477	1.389	-0.911	18.595	-301.474
1410_1411	1410	1411	-2448.31	164.819	-1.389	0.911	-26.314	-599.657
1411_1411	1411	1411	2451.216	-113.703	-2.892	-0.433	25.844	599.678
1411_1412	1411	1412	-2447.66	121.885	2.892	0.433	-0.221	-1643.36
1412_1412	1412	1412	2444.991	-37.099	-0.053	-0.713	10.967	1643.36
1412_1413	1412	1413	-2439.69	50.607	0.053	0.713	-10.207	-2275.47
1413_1413	1413	1413	2434.43	32.263	-3.299	-0.114	19.577	2275.492
1413_1414	1413	1414	-2432.01	-25.419	3.299	0.114	4.204	-2067.59
1414_1414	1414	1414	2430.764	82.044	-1.723	-1.372	-3.762	2067.594
1414_1415	1414	1415	-2428.51	-75.149	1.723	1.372	16.178	-1501.31
1415_1415	1415	1415	2408.143	148.487	-10.702	-1.18	-6.412	1501.311

1415_1416	1415	1416	-2405.05	-137.93	10.702	1.18	123.339	63.374
1416_1416	1416	1416	2400.918	194.29	-35.449	1.039	-123.154	-63.736
1416_1417	1416	1417	-2400.01	-190.903	35.449	-1.039	246.609	734.474
1417_1417	1417	1417	2401.649	198.793	18.289	-1.395	-239.387	-734.504
1417_1036	1417	1036	-2400.6	-194.8	-18.289	1.395	164.385	1541.543
1420_1056	1420	1056	1996.088	-210.781	-24.944	0.695	-53.444	-3541.64
1420_1421	1420	1421	-1997.02	214.312	24.944	-0.695	155.548	2671.624
1421_1421	1421	1421	1996.421	-209.175	12.592	-1.005	-162.592	-2671.58
1421_1422	1421	1422	-1997.22	212.179	-12.592	1.005	118.703	1937.288
1422_1422	1422	1422	2001.702	-164.721	11.721	0.949	-118.946	-1937.27
1422_1423	1422	1423	-2004.44	174.072	-11.721	-0.949	-9.078	87.053
1423_1423	1423	1423	2021.395	-113.329	1.976	0.212	-2.432	-87.016
1423_1424	1423	1424	-2023.39	119.434	-1.976	-0.212	-11.798	-751.095
1424_1424	1424	1424	2025.594	-73.217	-0.077	0.714	12.072	751.09
1424_1425	1424	1425	-2027.74	79.286	0.077	-0.714	-11.514	-1301.21
1425_1425	1425	1425	2030.111	-10.203	0.886	0.387	0.437	1301.258
1425_1426	1425	1426	-2034.81	22.171	-0.886	-0.387	-13.202	-1534.58
1426_1426	1426	1426	2035.902	48.264	0.428	-0.405	2.628	1534.642
1426_1427	1426	1427	-2039.05	-41.015	-0.428	0.405	-6.416	-1139.18
1427_1427	1427	1427	2037.746	83.598	-3.573	1.656	7.415	1139.171
1427_1428	1427	1428	-2039.93	-78.836	3.573	-1.656	12.44	-687.895
1428_1428	1428	1428	2015.435	-351.387	0.865	-0.208	-10.593	687.87
1428_1429	1428	1429	-2016.06	354.165	-0.865	0.208	7.981	-1752.74
1429_1429	1429	1429	2017.071	360.133	0.076	0.656	-8.08	1755.287
1429_1430	1429	1430	-2016.45	-357.346	-0.076	-0.656	7.85	-668.921
1430_1430	1430	1430	2044.243	-74.654	2.35	-0.711	-10.373	668.919
1430_1431	1430	1431	-2042.06	79.415	-2.35	0.711	-2.686	-1096.96
1431_1431	1431	1431	2043.266	-36.908	-0.606	0.809	1.986	1096.959
1431_1432	1431	1432	-2040.12	44.155	0.606	-0.809	3.383	-1455.96
1432_1432	1432	1432	2040.045	26.331	-0.571	0.167	8.33	1456.027
1432_1433	1432	1433	-2035.34	-14.365	0.571	-0.167	-0.098	-1162.8
1433_1433	1433	1433	2035.232	83.609	1.18	-0.189	11.538	1162.87
1433_1434	1433	1434	-2033.09	-77.541	-1.18	0.189	-20.046	-581.745
1434_1434	1434	1434	2030.743	124.715	-2.368	0.383	19.697	581.757
1434_1435	1434	1435	-2028.74	-118.603	2.368	-0.383	-2.626	295.097
1435_1435	1435	1435	2006.414	179.336	-20.034	-0.206	15.025	-295.027
1435_1436	1435	1436	-2003.68	-169.982	20.034	0.206	203.872	2203.387
1436_1436	1436	1436	1999.1	216.937	-23.446	0.703	-202.785	-2203.49
1436_1437	1436	1437	-1998.3	-213.935	23.446	-0.703	284.45	2953.873
1437_1437	1437	1437	1999.567	219.478	21.1	-0.879	-281.68	-2953.55
1437_1072	1437	1072	-1998.64	-215.949	-21.1	0.879	195.362	3844.204
1440_1094	1440	1094	2357.768	-198.317	-22.646	0.132	15.454	-2189.37
1440_1441	1440	1441	-2358.69	201.818	22.646	-0.132	77.309	1369.859
1441_1441	1441	1441	2356.979	-195.535	7.24	-0.99	-89.402	-1369.81
1441_1442	1441	1442	-2357.77	198.514	-7.24	0.99	64.141	682.338
1442_1442	1442	1442	2361.857	-141.906	7.265	0.557	-64.144	-682.338
1442_1443	1442	1443	-2364.57	151.169	-7.265	-0.557	-15.219	-918.44
1443_1443	1443	1443	2377.874	-78.684	0.702	0.373	0.765	918.48
1443_1444	1443	1444	-2379.85	84.73	-0.702	-0.373	-5.82	-1506.72
1444_1444	1444	1444	2381.166	-30.433	1.029	0.033	5.753	1506.725
1444_1445	1444	1445	-2383.29	36.444	-1.029	-0.033	-13.173	-1747.92
1445_1445	1445	1445	2386.64	44.795	0.931	0.144	-0.882	1747.978
1445_1446	1445	1446	-2391.3	-32.934	-0.931	-0.144	-12.54	-1187.51
1446_1446	1446	1446	2393.763	116.923	2.343	0.116	-1.738	1187.563
1446_1447	1446	1447	-2396.88	-109.747	-2.343	-0.116	-19.012	-183.852

1447_1447	1447	1447	2394.117	159.039	-1.28	-0.005	19.134	183.839
1447_1448	1447	1448	-2396.29	-154.318	1.28	0.005	-12.019	687.058
1448_1448	1448	1448	2387.066	-352.272	-13.814	4.126	14.581	-687.104
1448_1449	1448	1449	-2387.68	355.02	13.814	-4.126	27.051	-378.703
1449_1449	1449	1449	2386.612	353.305	15.654	-4.115	-27.052	379.079
1449_1450	1449	1450	-2386	-350.546	-15.654	4.115	-20.294	685.349
1450_1450	1450	1450	2392.748	-157.288	-1.569	0.046	17.744	-685.332
1450_1451	1450	1451	-2390.58	162.01	1.569	-0.046	-9.021	-202.269
1451_1451	1451	1451	2393.406	-112.821	-0.816	-0.202	9.048	202.268
1451_1452	1451	1452	-2390.29	120	0.816	0.202	-1.821	-1233.42
1452_1452	1452	1452	2385.629	-36.661	-1.272	-0.158	15.422	1233.437
1452_1453	1452	1453	-2380.97	48.515	1.272	0.158	2.907	-1847.31
1453_1453	1453	1453	2375.409	33.267	-0.445	-0.201	10.986	1847.327
1453_1454	1453	1454	-2373.29	-27.256	0.445	0.201	-7.775	-1629.02
1454_1454	1454	1454	2372.119	79.313	-0.637	-0.238	7.725	1629.022
1454_1455	1454	1455	-2370.14	-73.285	0.637	0.238	-3.149	-1081.1
1455_1455	1455	1455	2356.156	148.907	-7.004	-0.437	17.622	1081.138
1455_1456	1455	1456	-2353.44	-139.626	7.004	0.437	59.023	497.631
1456_1456	1456	1456	2349.512	194.812	-9.028	0.509	-58.9	-497.646
1456_1457	1456	1457	-2348.72	-191.833	9.028	-0.509	90.403	1172.199
1457_1457	1457	1457	2350.815	198.43	20.755	-0.302	-78.706	-1172.15
1457_1110	1457	1110	-2349.89	-194.93	-20.755	0.302	-6.311	1977.787
1460_1132	1460	1132	1974.644	-202.011	4.444	0.038	206.315	-3255.05
1460_1461	1460	1461	-1975.56	205.51	-4.444	-0.038	-224.51	2420.711
1461_1461	1461	1461	1973.038	-200.486	-19.1	1.838	205.664	-2420.71
1461_1462	1461	1462	-1973.83	203.464	19.1	-1.838	-139.043	1716.198
1462_1462	1462	1462	1978.163	-156.044	-17.33	0.073	139.508	-1716.16
1462_1463	1462	1463	-1980.88	165.304	17.33	-0.073	49.743	-38.462
1463_1463	1463	1463	1975.859	-104.535	2.611	1.143	-63.255	38.173
1463_1464	1463	1464	-1977.84	110.588	-2.611	-1.143	44.435	-813.47
1464_1464	1464	1464	1979.857	-64.633	8.275	-0.18	-45.227	813.427
1464_1465	1464	1465	-1981.98	70.642	-8.275	0.18	-14.454	-1301.26
1465_1465	1465	1465	1964.935	-0.461	1.686	0.462	-1.911	1301.159
1465_1466	1465	1466	-1969.59	12.313	-1.686	-0.462	-22.388	-1393.2
1466_1466	1466	1466	1941.151	60.755	-4.528	0.604	7.474	1393.096
1466_1467	1466	1467	-1944.27	-53.579	4.528	-0.604	32.628	-886.853
1467_1467	1467	1467	1942.764	93.516	-0.781	-0.4	-33.378	886.825
1467_1468	1467	1468	-1944.93	-88.795	0.781	0.4	37.718	-380.137
1468_1468	1468	1468	1893.085	-307.443	9.721	-19.421	-36.067	379.937
1468_1469	1468	1469	-1893.7	310.201	-9.721	19.421	6.676	-1313.67
1469_1469	1469	1469	1879.272	304.281	-4.932	19.408	-32.519	1273.126
1469_1470	1469	1470	-1878.66	-301.523	4.932	-19.408	47.43	-357.294
1470_1470	1470	1470	1924.136	-91.519	2.607	-0.307	-49.143	357.096
1470_1471	1470	1471	-1921.97	96.24	-2.607	0.307	34.654	-878.908
1471_1471	1471	1471	1923.537	-56.682	4.632	-0.508	-34.256	878.924
1471_1472	1471	1472	-1920.42	63.859	-4.632	0.508	-6.763	-1412.66
1472_1472	1472	1472	1940.874	8.526	-1.988	-0.725	20.861	1412.575
1472_1473	1472	1473	-1936.22	3.335	1.988	0.725	7.81	-1375.15
1473_1473	1473	1473	1948.58	64.881	-0.959	-0.74	6.122	1375.014
1473_1474	1473	1474	-1946.46	-58.872	0.959	0.74	0.794	-928.733
1474_1474	1474	1474	1944.611	103.251	-1.177	-0.616	-0.845	928.733
1474_1475	1474	1475	-1942.63	-97.206	1.177	0.616	9.321	-207.208
1475_1475	1475	1475	1948.078	157.045	0.262	-0.639	3.984	207.119
1475_1476	1475	1476	-1945.37	-147.784	-0.262	0.639	-6.841	1457.618
1476_1476	1476	1476	1941.259	194.414	1.6	0.23	6.548	-1457.62

1476_1477	1476	1477	-1940.46	-191.436	-1.6	-0.23	-12.129	2130.698
1477_1477	1477	1477	1942.076	196.671	6.264	0.213	25.61	-2130.74
1477_1148	1477	1148	-1941.16	-193.171	-6.264	-0.213	-51.264	2929.041
1480_1168	1480	1168	1726.47	-191.339	16.261	0.777	-47.89	-3490.34
1480_1481	1480	1481	-1727.39	194.839	-16.261	-0.777	-18.712	2699.507
1481_1481	1481	1481	1726.342	-190.569	-3.601	-4.348	2.707	-2699.42
1481_1482	1481	1482	-1727.14	193.547	3.601	4.348	9.856	2029.402
1482_1482	1482	1482	1731.284	-152.087	1.558	2.096	-8.14	-2029.41
1482_1483	1482	1483	-1734	161.349	-1.558	-2.096	-8.874	317.644
1483_1483	1483	1483	1708.683	-109.288	0.322	0.904	-4.57	-317.737
1483_1484	1483	1484	-1710.66	115.342	-0.322	-0.904	2.251	-491.862
1484_1484	1484	1484	1712.88	-75.556	0.561	0.887	-2.254	491.862
1484_1485	1484	1485	-1715	81.565	-0.561	-0.887	-1.789	-1058.48
1485_1485	1485	1485	1680.034	-21.396	3.161	0.854	-12.514	1058.389
1485_1486	1485	1486	-1684.69	33.247	-3.161	-0.854	-33.04	-1452.12
1486_1486	1486	1486	1640.409	29.823	-10.404	0.712	19.596	1452.028
1486_1487	1486	1487	-1643.53	-22.647	10.404	-0.712	72.538	-1219.7
1487_1487	1487	1487	1642.732	56.417	-7.255	-0.1	-73.566	1219.642
1487_1488	1487	1488	-1644.9	-51.696	7.255	0.1	113.892	-919.167
1488_1488	1488	1488	1567.586	-275.527	13.521	-34.499	-113.529	918.996
1488_1489	1488	1489	-1568.2	278.284	-13.521	34.499	72.647	-1756.23
1489_1489	1489	1489	1572.136	280.361	-15.089	34.673	-33.597	1766.957
1489_1490	1489	1490	-1571.52	-277.604	15.089	-34.673	79.22	-923.446
1490_1490	1490	1490	1646.302	-49.532	5.851	-0.276	-81.015	923.066
1490_1491	1490	1491	-1644.13	54.252	-5.851	0.276	48.493	-1211.5
1491_1491	1491	1491	1644.895	-20.418	7.57	-0.537	-47.941	1211.522
1491_1492	1491	1492	-1641.78	27.594	-7.57	0.537	-19.098	-1424.11
1492_1492	1492	1492	1686.662	35.222	-3.026	-0.939	32.11	1423.964
1492_1493	1492	1493	-1682.01	-23.371	3.026	0.939	11.5	-1001.78
1493_1493	1493	1493	1715.733	83.516	-0.683	-1.026	1.988	1001.674
1493_1494	1493	1494	-1713.61	-77.507	0.683	1.026	2.941	-420.988
1494_1494	1494	1494	1711.348	117.309	-0.922	-0.897	-2.984	420.988
1494_1495	1494	1495	-1709.37	-111.255	0.922	0.897	9.631	402.792
1495_1495	1495	1495	1732.081	163.141	-1.377	-0.573	2.641	-402.876
1495_1496	1495	1496	-1729.37	-153.879	1.377	0.573	12.403	2134.217
1496_1496	1496	1496	1725.18	195.316	-1.734	-0.731	-12.291	-2134.22
1496_1497	1496	1497	-1724.39	-192.338	1.734	0.731	18.342	2810.443
1497_1497	1497	1497	1725.537	196.691	-8.165	-0.538	-6.766	-2810.48
1497_1184	1497	1184	-1724.62	-193.192	8.165	0.538	40.204	3608.86
1500_1204	1500	1204	2132.407	-216.436	-29.44	-0.135	33.026	-3497.48
1500_1501	1500	1501	-2133.5	220.575	29.44	0.135	87.544	2602.588
1501_1501	1501	1501	2132.28	-215.268	7.642	0.252	-92.619	-2602.67
1501_1502	1501	1502	-2133.22	218.79	-7.642	-0.252	65.958	1845.496
1502_1502	1502	1502	2137.903	-166.996	6.211	0.587	-66.303	-1845.48
1502_1503	1502	1503	-2141.11	177.939	-6.211	-0.587	-1.474	-36.625
1503_1503	1503	1503	2163.164	-113.942	0.554	0.516	-6.294	36.564
1503_1504	1503	1504	-2165.51	121.102	-0.554	-0.516	2.302	-883.701
1504_1504	1504	1504	2167.734	-70.745	0.857	0.444	-2.334	883.701
1504_1505	1504	1505	-2170.24	77.852	-0.857	-0.444	-3.85	-1419.58
1505_1505	1505	1505	2181.055	-4.14	0.591	0.326	-4.266	1419.516
1505_1506	1505	1506	-2186.56	18.167	-0.591	-0.326	-4.253	-1580.36
1506_1506	1506	1506	2192.751	58.301	1.953	-0.138	-3.794	1580.271
1506_1507	1506	1507	-2196.44	-49.814	-1.953	0.138	-13.499	-1101.55
1507_1507	1507	1507	2194.951	94.985	-0.353	0.719	14.014	1101.543
1507_1508	1507	1508	-2197.49	-89.45	0.353	-0.719	-12.051	-588.969

1508_1508	1508	1508	2175.647	-375.21	-2.823	2.896	15.288	588.995
1508_1509	1508	1509	-2176.37	378.443	2.823	-2.896	-6.752	-1728.34
1509_1509	1509	1509	2176.555	376.601	-1.817	-3.061	6.792	1728.055
1509_1510	1509	1510	-2175.83	-373.378	1.817	3.061	-1.318	-597.923
1510_1510	1510	1510	2202.962	-90.013	2.532	-1.298	-0.861	598.008
1510_1511	1510	1511	-2200.42	95.549	-2.532	1.298	-13.21	-1113.73
1511_1511	1511	1511	2201.919	-50.321	-1.704	0.552	12.259	1113.745
1511_1512	1511	1512	-2198.23	58.808	1.704	-0.552	2.832	-1596.94
1512_1512	1512	1512	2196.774	17.648	-0.024	-0.309	6.042	1596.877
1512_1513	1512	1513	-2191.27	-3.621	0.024	0.309	-5.7	-1443.52
1513_1513	1513	1513	2187.106	77.424	-1.1	-0.404	13.701	1443.443
1513_1514	1513	1514	-2184.6	-70.316	1.1	0.404	-5.77	-910.659
1514_1514	1514	1514	2182.374	121.066	-1.406	-0.408	5.716	910.659
1514_1515	1514	1515	-2180.03	-113.906	1.406	0.408	4.415	-63.785
1515_1515	1515	1515	2160.534	177.951	-13.282	-1.427	3.616	63.699
1515_1516	1515	1516	-2157.33	-167.007	13.282	1.427	141.324	1818.535
1516_1516	1516	1516	2152.651	219.269	-11.837	3.255	-141.652	-1818.51
1516_1517	1516	1517	-2151.71	-215.747	11.837	-3.255	182.949	2577.351
1517_1517	1517	1517	2150.719	220.985	31.847	-0.153	-178.615	-2577.47
1517_1220	1517	1220	-2149.63	-216.846	-31.847	0.153	48.186	3474.04
1520_1241	1520	1241	2077.977	-266.569	-18.315	45.145	-404.281	-5850.3
1520_1521	1520	1521	-2079.29	271.547	18.315	-45.145	479.373	4747.133
1521_1521	1521	1521	2068.272	-265.896	35.814	6.71	-473.478	-4759.92
1521_1522	1521	1522	-2069.4	270.119	-35.814	-6.71	348.754	3826.556
1522_1522	1522	1522	2075.339	-220.994	28.313	0.694	-352.681	-3826.2
1522_1523	1522	1523	-2079.19	234.144	-28.313	-0.694	43.607	1342.038
1523_1523	1523	1523	2108.222	-172.495	6.217	0.74	-50.788	-1342.03
1523_1524	1523	1524	-2111.03	181.095	-6.217	-0.74	5.979	67.689
1524_1524	1524	1524	2114.676	-132.046	2.538	0.758	-6.002	-67.687
1524_1525	1524	1525	-2117.69	140.584	-2.538	-0.758	-12.303	-915.52
1525_1525	1525	1525	2112.995	-70.766	-1.268	0.223	6.886	914.32
1525_1526	1525	1526	-2119.61	87.606	1.268	-0.223	11.397	-2055.68
1526_1526	1526	1526	2112.473	-16.21	-0.563	-1.915	-14.695	2053.187
1526_1527	1526	1527	-2116.91	26.412	0.563	1.915	19.686	-2242.02
1527_1527	1527	1527	2116.991	17.588	-4.618	2.773	-17.757	2242.035
1527_1528	1527	1528	-2120.02	-10.99	4.618	-2.773	43.428	-2162.61
1528_1528	1528	1528	2069.124	-433.953	0.893	-2.677	-36.705	2161.832
1528_1529	1528	1529	-2069.99	437.803	-0.893	2.677	34.008	-3478.39
1529_1529	1529	1529	2067.81	429.186	4.337	1.538	-33.753	3475.638
1529_1530	1529	1530	-2066.95	-425.336	-4.337	-1.538	20.656	-2185.4
1530_1530	1530	1530	2108.625	-15.977	7.724	-2.412	-27.614	2184.427
1530_1531	1530	1531	-2105.59	22.578	-7.724	2.412	-15.332	-2291.61
1531_1531	1531	1531	2105.624	20.413	5.025	0.226	13.998	2291.62
1531_1532	1531	1532	-2101.19	-10.219	-5.025	-0.226	-58.497	-2155.99
1532_1532	1532	1532	2099.247	83.717	-0.749	-0.894	59.504	2154.542
1532_1533	1532	1533	-2092.63	-66.873	0.749	0.894	-48.705	-1069.05
1533_1533	1533	1533	2091.801	138.26	-2.153	-0.338	51.478	1068.563
1533_1534	1533	1534	-2088.79	-129.722	2.153	0.338	-35.946	-102.155
1534_1534	1534	1534	2085.202	178.288	-3.84	-1.09	35.901	102.166
1534_1535	1534	1535	-2082.39	-169.687	3.84	1.09	-8.218	1152.101
1535_1535	1535	1535	2081.707	231.273	-1.532	0.874	14.089	-1151.06
1535_1536	1535	1536	-2077.85	-218.121	1.532	-0.874	2.638	3604.205
1536_1536	1536	1536	2071.945	268.453	-5.405	-6.04	-0.754	-3604.2
1536_1537	1536	1537	-2070.82	-264.22	5.405	6.04	19.619	4533.852
1537_1537	1537	1537	2071.987	269.352	-12.783	-44.627	-16.068	-4541.95

1537_1255	1537	1255	-2070.68	-264.388	12.783	44.627	68.345	5633.32
1540_1279	1540	1279	2890.861	-263.688	87.818	151.764	694.353	-2505.56
1540_1541	1540	1541	-2892.27	269.038	-87.818	-151.764	-1053.98	1414.766
1541_1541	1541	1541	2952.765	-239.535	-56.805	21.538	1044.798	-1469.95
1541_1542	1541	1542	-2953.98	244.093	56.805	-21.538	-846.465	625.658
1542_1542	1542	1542	2958.911	-172.331	-62.916	-0.336	846.353	-626.18
1542_1543	1542	1543	-2963.06	186.487	62.916	0.336	-159.358	-1332.84
1543_1543	1543	1543	2919.057	-107.533	-7.271	-3.621	153.952	1332.042
1543_1544	1543	1544	-2922.08	116.79	7.271	3.621	-101.534	-2140.61
1544_1544	1544	1544	2923.967	-48.084	-19.185	2.765	104.519	2140.472
1544_1545	1544	1545	-2927.21	57.265	19.185	-2.765	33.758	-2520.13
1545_1545	1545	1545	2918.913	37.93	0.74	-0.692	-34.243	2515.755
1545_1546	1545	1546	-2926.03	-19.808	-0.74	0.692	23.579	-2099.66
1546_1546	1546	1546	2930.546	119.618	7.68	-0.756	-23.584	2097.125
1546_1547	1546	1547	-2935.32	-108.646	-7.68	0.756	-44.425	-1086.42
1547_1547	1547	1547	2932.546	167.625	3.151	-0.014	45.151	1086.393
1547_1548	1547	1548	-2935.8	-160.535	-3.151	0.014	-62.683	-173.465
1548_1548	1548	1548	2929.494	-459.198	-14.521	4.056	71.238	170.432
1548_1549	1548	1549	-2930.42	463.328	14.521	-4.056	-27.394	-1563.11
1549_1549	1549	1549	2947.463	485.033	-20.232	-5.978	27.951	1567.389
1549_1550	1549	1550	-2946.51	-480.972	20.232	5.978	32.254	-130.078
1550_1550	1550	1550	2986.567	-163.321	11.17	-2.005	-34.859	135.063
1550_1551	1550	1551	-2983.13	170.473	-11.17	2.005	-28.359	-1079.63
1551_1551	1551	1551	2986.285	-101.557	7.141	-1.225	27.656	1079.654
1551_1552	1551	1552	-2981.6	111.925	-7.141	1.225	-87.805	-1978.74
1552_1552	1552	1552	2997.771	5.439	-0.075	-2.29	87.827	1977.005
1552_1553	1552	1553	-2990.64	12.191	0.075	2.29	-86.773	-2024.54
1553_1553	1553	1553	2999.779	99.342	-9.778	-2.834	86.425	2022.401
1553_1554	1553	1554	-2996.55	-90.39	9.778	2.834	-17.542	-1354.09
1554_1554	1554	1554	2993.223	167.392	-13.287	-1.666	16.927	1354.097
1554_1555	1554	1555	-2990.22	-158.356	13.287	1.666	76.726	-206.085
1555_1555	1555	1555	2980.684	260.458	-27.798	-1.479	-74.372	204.551
1555_1556	1555	1556	-2976.65	-246.655	27.798	1.479	370.32	2494.882
1556_1556	1556	1556	2968.555	329.413	-34.527	3.001	-368.688	-2495.12
1556_1557	1556	1557	-2967.38	-324.938	34.527	-3.001	486.935	3615.62
1557_1557	1557	1557	2942.439	350.252	23.544	7.807	-486.009	-3615.27
1557_1291	1557	1291	-2940.57	-342.914	-23.544	-7.807	354.045	5557.863
2000_2000	2000	2000	6.846	17.071	0.034	-0.047	0	-8.901
2000_2001	2000	2001	-20.751	8.725	-0.034	0.047	-0.54	90.202
2001_2001	2001	2001	20.754	-8.725	0.034	0.023	0.54	-90.201
2001_2002	2001	2002	-30.01	25.897	-0.034	-0.023	-0.9	-83.944
2002_2002	2002	2002	30.06	22.504	-0.046	-0.013	0.9	83.875
2002_2003	2002	2003	-26.036	-2.827	0.046	0.013	-0.343	66.476
2003_2003	2003	2003	26.035	2.827	-0.046	-0.02	0.343	-66.476
2003_2004	2003	2004	-22.008	16.867	0.046	0.02	0.215	-22.927
2004_2004	2004	2004	22.006	19.687	0.016	-0.046	-0.215	22.627
2004_2005	2004	2005	-21.929	-0.009	-0.016	0.046	0.026	97.336
2005_2005	2005	2005	21.93	0.009	0.016	0.022	-0.026	-97.335
2005_2006	2005	2006	-21.853	19.686	-0.016	-0.022	-0.163	-22.504
2006_2006	2006	2006	21.868	20.018	-0.004	-0.007	0.163	22.465
2006_2007	2006	2007	-21.455	-0.339	0.004	0.007	-0.112	101.093
2007_2007	2007	2007	21.455	0.339	-0.004	-0.007	0.112	-101.093
2007_2008	2007	2008	-21.042	19.341	0.004	0.007	-0.061	-14.978
2008_2008	2008	2008	21.037	19.494	0.003	0.043	0.061	15.314
2008_2009	2008	2009	-21.01	0.188	-0.003	-0.043	-0.099	102.132

2009_2009	2009	2009	21.01	-0.188	0.003	-0.047	0.099	-102.132
2009_2010	2009	2010	-20.982	19.883	-0.003	0.047	-0.136	-20.272
2010_2010	2010	2010	20.988	19.337	0.002	0.003	0.136	20.274
2010_2011	2010	2011	-21.708	0.345	-0.002	-0.003	-0.165	95.951
2011_2011	2011	2011	21.708	-0.345	0.002	0.003	0.165	-95.951
2011_2012	2011	2012	-22.429	20.026	-0.002	-0.003	-0.194	-27.502
2012_2012	2012	2012	22.446	18.62	-0.007	0.04	0.194	27.223
2012_2013	2012	2013	-20.968	1.057	0.007	-0.04	-0.11	77.779
2013_2013	2013	2013	20.969	-1.057	-0.007	-0.028	0.11	-77.779
2013_2014	2013	2014	-19.49	20.749	0.007	0.028	-0.026	-56.985
2014_2014	2014	2014	19.491	19.057	0.021	0.019	0.026	56.922
2014_2015	2014	2015	-38.613	7.749	-0.021	-0.019	-0.368	56.865
2015_2015	2015	2015	38.551	-7.751	0.02	-0.014	0.366	-56.769
2015_2016	2015	2016	-48.056	21.08	-0.02	0.014	-0.534	-52.183
2016_2016	2016	2016	18.183	19.84	-0.001	0.013	0.519	101.643
2016_2017	2016	2017	-22.394	-1.115	0.001	-0.013	-0.508	26.027
2017_2017	2017	2017	22.395	1.115	-0.001	-0.003	0.508	-26.027
2017_2018	2017	2018	-27.14	19.981	0.001	0.003	-0.498	-93.833
2018_2018	2018	2018	27.14	19.412	0.023	0.006	0.498	93.956
2018_2019	2018	2019	-26.19	0.5	-0.023	-0.006	-0.78	23.247
2019_2019	2019	2019	26.191	-0.5	0.023	-0.013	0.78	-23.247
2019_2020	2019	2020	-25.241	20.411	-0.023	0.013	-1.064	-108.449
2020_2020	2020	2020	25.213	21.088	0.001	-0.019	1.064	108.473
2020_2021	2020	2021	-24.832	-5.948	-0.001	0.019	-1.074	19.808
2021_2021	2021	2021	24.815	5.948	0	0.004	1.075	-19.786
2021_2022	2021	2022	-24.504	6.39	0	-0.004	-1.078	17.907
2022_2022	2022	2022	24.504	-6.39	0	0.002	1.078	-17.907
2022_2023	2022	2023	-24.192	18.744	0	-0.002	-1.082	-79.723
2023_2023	2023	2023	24.194	19.351	-0.115	-0.019	1.082	79.677
2023_2024	2023	2024	-23.845	-6.614	0.115	0.019	-0.162	23.87
2024_2024	2024	2024	23.845	6.614	-0.115	-0.019	0.162	-23.87
2024_2025	2024	2025	-23.497	6.123	0.115	0.019	0.759	25.565
2025_2025	2025	2025	23.496	-6.123	-0.116	0.009	-0.759	-25.565
2025_2026	2025	2026	-23.147	18.878	0.116	-0.009	1.684	-74.799
2026_2026	2026	2026	23.148	18.927	-0.014	-0.026	-1.684	74.611
2026_2027	2026	2027	-23.241	-9.367	0.014	0.026	1.769	10.369
2027_2027	2027	2027	23.241	9.367	-0.014	-0.04	-1.769	-10.369
2027_2028	2027	2028	-23.333	0.177	0.014	0.04	1.851	37.968
2028_2028	2028	2028	23.333	-0.177	-0.014	0.016	-1.851	-37.968
2028_2029	2028	2029	-23.426	9.737	0.014	-0.016	1.936	8.286
2029_2029	2029	2029	23.426	-9.737	-0.014	0.016	-1.936	-8.286
2029_2030	2029	2030	-23.518	19.298	0.014	-0.016	2.021	-78.779
2030_2030	2030	2030	23.518	18.452	0.07	-0.017	-2.021	78.719
2030_2031	2030	2031	-23.902	-5.706	-0.07	0.017	1.46	18.191
2031_2031	2031	2031	23.902	5.706	0.07	0.008	-1.46	-18.191
2031_2032	2031	2032	-24.285	7.026	-0.07	-0.008	0.904	13.165
2032_2032	2032	2032	24.286	-7.026	0.07	-0.011	-0.904	-13.165
2032_2033	2032	2033	-24.67	19.773	-0.07	0.011	0.343	-93.807
2033_2033	2033	2033	24.674	18.604	0.022	-0.004	-0.343	93.828
2033_2034	2033	2034	-25.075	-6.251	-0.022	0.004	0.174	2.85
2034_2034	2034	2034	25.075	6.251	0.022	-0.008	-0.174	-2.85
2034_2035	2034	2035	-25.476	6.085	-0.022	0.008	0.001	3.789
2035_2035	2035	2035	25.476	-6.085	0.023	-0.01	-0.001	-3.789
2035_2036	2035	2036	-25.968	21.22	-0.023	0.01	-0.213	-125.571
2036_2036	2036	2036	25.914	21.15	0.006	-0.008	0.213	125.591

2036_2037	2036	2037	-26.653	-1.23	-0.006	0.008	-0.293	14.973
2037_2037	2037	2037	26.654	1.23	0.006	-0.006	0.293	-14.973
2037_2038	2037	2038	-27.392	18.674	-0.006	0.006	-0.372	-93.394
2038_2038	2038	2038	27.389	14.011	-0.152	-0.014	0.372	93.417
2038_2039	2038	2039	-19.102	7.08	0.152	0.014	1.639	-56.406
2039_2039	2039	2039	60.371	-4.234	-0.005	-0.009	-0.069	-9.382
2039_2040	2039	2040	-110.173	22.606	0.005	0.009	0.129	-94.459
2040_2040	2040	2040	110.173	19.197	0.017	-0.012	-0.129	94.58
2040_2041	2040	2041	-112.197	-6.301	-0.017	0.012	-0.013	13.649
2041_2041	2041	2041	112.197	6.301	0.017	-0.013	0.013	-13.649
2041_2042	2041	2042	-116.162	18.958	-0.017	0.013	-0.292	-82.688
2042_2042	2042	2042	116.168	20.609	-0.01	0.017	0.292	82.71
2042_2043	2042	2043	-105.688	-1.9	0.01	-0.017	-0.177	40.867
2043_2043	2043	2043	105.688	1.9	-0.01	-0.034	0.177	-40.868
2043_2044	2043	2044	-95.217	16.792	0.01	0.034	-0.063	-59.33
2044_2044	2044	2044	95.213	19.551	0.004	-0.002	0.063	59.472
2044_2045	2044	2045	-88.195	-0.842	-0.004	0.002	-0.11	55.075
2045_2045	2045	2045	88.195	0.842	0.004	-0.002	0.11	-55.075
2045_2046	2045	2046	-81.177	17.867	-0.004	0.002	-0.156	-54.344
2046_2046	2046	2046	81.196	19.243	0	0.004	0.156	54.126
2046_2047	2046	2047	-74.282	-0.541	0	-0.004	-0.158	56.662
2047_2047	2047	2047	74.282	0.541	0	0.004	0.158	-56.662
2047_2048	2047	2048	-67.368	18.16	0	-0.004	-0.16	-56.337
2048_2048	2048	2048	67.38	18.667	-0.006	-0.012	0.16	56.217
2048_2049	2048	2049	-59.938	0.034	0.006	0.012	-0.089	46.794
2049_2049	2049	2049	59.937	-0.034	-0.006	0.033	0.089	-46.795
2049_2050	2049	2050	-52.495	18.735	0.006	-0.033	-0.018	-73.967
2050_2050	2050	2050	52.51	18.425	0.01	0.017	0.018	73.783
2050_2051	2050	2051	-50.622	6.805	-0.01	-0.017	-0.186	17.929
2051_2051	2051	2051	50.568	-6.805	0.01	0.01	0.184	-17.847
2051_2052	2051	2052	-49.606	19.686	-0.01	-0.01	-0.269	-92.38
2052_2052	2052	2052	49.61	19.774	-0.021	0.014	0.269	92.461
2052_2053	2052	2053	-27.408	-1.409	0.021	-0.014	-0.018	5.68
2053_2053	2053	2053	27.264	2.442	0	0.013	0.013	-6.273
2053_2054	2053	2054	-29.602	17.634	0	-0.013	-0.007	-92.106
2054_2054	2054	2054	29.603	18.27	0.036	0.015	0.007	91.964
2054_2055	2054	2055	-30.428	0.661	-0.036	-0.015	-0.457	19.173
2055_2055	2055	2055	30.428	-0.661	0.036	0.001	0.457	-19.173
2055_2056	2055	2056	-31.253	19.592	-0.036	-0.001	-0.906	-106.304
2056_2056	2056	2056	31.232	20.125	-0.031	0.014	0.906	106.325
2056_2057	2056	2057	-30.468	-5.733	0.031	-0.014	-0.613	15.829
2057_2057	2057	2057	30.45	5.733	-0.031	-0.004	0.612	-15.808
2057_2058	2057	2058	-29.826	6.002	0.031	0.004	-0.373	14.193
2058_2058	2058	2058	29.827	-6.002	-0.031	0.011	0.373	-14.193
2058_2059	2058	2059	-29.204	17.738	0.031	-0.011	-0.134	-78.349
2059_2059	2059	2059	29.206	18.78	-0.096	0.004	0.134	78.342
2059_2060	2059	2060	-27.729	-6.654	0.096	-0.004	0.637	21.962
2060_2060	2060	2060	27.729	6.654	-0.096	0.005	-0.637	-21.962
2060_2061	2060	2061	-26.254	5.456	0.096	-0.005	1.408	25.247
2061_2061	2061	2061	26.254	-5.456	-0.096	0.003	-1.408	-25.247
2061_2062	2061	2062	-24.777	17.582	0.096	-0.003	2.179	-68.478
2062_2062	2062	2062	24.778	18.32	0.005	-0.013	-2.179	68.385
2062_2063	2062	2063	-24.122	-9.244	-0.005	0.013	2.151	13.452
2063_2063	2063	2063	24.122	9.244	0.005	-0.029	-2.151	-13.452
2063_2064	2063	2064	-23.465	-0.153	-0.005	0.029	2.123	40.904

2064_2064	2064	2064	23.465	0.153	0.005	0.031	-2.123	-40.904
2064_2065	2064	2065	-22.808	8.938	-0.005	-0.031	2.096	13.797
2065_2065	2065	2065	22.808	-8.938	0.005	0.031	-2.096	-13.797
2065_2066	2065	2066	-22.152	18.029	-0.005	-0.031	2.068	-67.875
2066_2066	2066	2066	22.154	18.057	0.11	0.006	-2.068	67.703
2066_2067	2066	2067	-21.252	-5.935	-0.11	-0.006	1.185	27.142
2067_2067	2067	2067	21.252	5.935	0.11	0.008	-1.185	-27.142
2067_2068	2067	2068	-20.352	6.173	-0.11	-0.008	0.304	25.033
2068_2068	2068	2068	20.352	-6.173	0.11	0.007	-0.304	-25.033
2068_2069	2068	2069	-19.45	18.295	-0.11	-0.007	-0.578	-74.035
2069_2069	2069	2069	19.452	17.528	0.015	0.005	0.578	73.966
2069_2070	2069	2070	-20.25	-5.784	-0.015	-0.005	-0.692	17.19
2070_2070	2070	2070	20.25	5.784	0.015	0.006	0.692	-17.19
2070_2071	2070	2071	-21.046	5.944	-0.015	-0.006	-0.806	17.358
2071_2071	2071	2071	21.026	-5.944	0.015	0.003	0.811	-17.339
2071_2072	2071	2072	-22.003	20.342	-0.015	-0.003	-0.952	-106.634
2072_2072	2072	2072	22.007	20.413	0.012	0.004	0.952	106.604
2072_2073	2072	2073	-20.527	-1.483	-0.012	-0.004	-1.104	28.364
2073_2073	2073	2073	20.527	1.483	0.012	0.004	1.104	-28.364
2073_2074	2073	2074	-19.048	17.446	-0.012	-0.004	-1.256	-73.239
2074_2074	2074	2074	19.052	14.268	-0.254	-0.002	1.256	73.295
2074_2075	2074	2075	0.382	5.799	0.254	0.002	2.112	-38.286
2075_2075	2075	2075	45.192	-3.12	-0.01	-0.001	0.186	-34.784
2075_2076	2075	2076	-88.904	20.537	0.01	0.001	-0.068	-53.984
2076_2076	2076	2076	88.896	17.83	0.012	-0.045	0.068	53.979
2076_2077	2076	2077	-86.263	-5.609	-0.012	0.045	-0.169	40.213
2077_2077	2077	2077	86.188	5.609	0.012	0.018	0.171	-40.084
2077_2078	2077	2078	-81.502	16.134	-0.012	-0.018	-0.349	-41.575
2078_2078	2078	2078	81.495	17.838	-0.011	-0.006	0.349	41.815
2078_2079	2078	2079	-77.057	-1.167	0.011	0.006	-0.231	60.1
2079_2079	2079	2079	77.057	1.167	-0.011	-0.003	0.231	-60.1
2079_2080	2079	2080	-72.623	15.489	0.011	0.003	-0.113	-25.424
2080_2080	2080	2080	72.624	16.768	0.001	-0.035	0.113	25.427
2080_2081	2080	2081	-69.792	-0.101	-0.001	0.035	-0.122	66.26
2081_2081	2081	2081	69.793	0.101	0.001	0.032	0.122	-66.26
2081_2082	2081	2082	-66.961	16.566	-0.001	-0.032	-0.13	-29.567
2082_2082	2082	2082	66.975	18.073	-0.001	-0.032	0.13	29.429
2082_2083	2082	2083	-63.886	-0.175	0.001	0.032	-0.118	77.105
2083_2083	2083	2083	63.886	0.175	-0.001	0.035	0.118	-77.105
2083_2084	2083	2084	-60.794	17.738	0.001	-0.035	-0.105	-32.776
2084_2084	2084	2084	60.804	16.804	-0.002	-0.025	0.105	32.771
2084_2085	2084	2085	-58.565	-0.14	0.002	0.025	-0.08	59.667
2085_2085	2085	2085	58.564	0.14	-0.002	0.035	0.08	-59.667
2085_2086	2085	2086	-56.327	16.51	0.002	-0.035	-0.056	-35.172
2086_2086	2086	2086	56.319	16.185	0.007	-0.015	0.056	35.412
2086_2087	2086	2087	-53.288	0.479	-0.007	0.015	-0.139	48.939
2087_2087	2087	2087	53.287	-0.479	0.007	0.031	0.139	-48.94
2087_2088	2087	2088	-50.255	17.143	-0.007	-0.031	-0.223	-54.155
2088_2088	2088	2088	50.262	15.162	-0.015	0.007	0.223	54.153
2088_2089	2088	2089	-54.118	5.768	0.015	-0.007	-0.01	16.135
2089_2089	2089	2089	54.066	-5.768	-0.015	0.006	0.009	-16.061
2089_2090	2089	2090	-56.317	17.983	0.015	-0.006	0.116	-79.56
2090_2090	2090	2090	56.324	18.031	0	0.006	-0.116	79.768
2090_2091	2090	2091	-37.074	-0.614	0	-0.006	0.12	6.224
2091_2091	2091	2091	37.279	1.516	0.029	0.006	-0.23	-6.964

2091_2092	2091	2092	-41.663	17.816	-0.029	-0.006	-0.149	-96.552
2092_2092	2092	2092	41.664	17.883	-0.008	0.006	0.149	96.403
2092_2093	2092	2093	-41.642	0.351	0.008	-0.006	-0.048	13.361
2093_2093	2093	2093	41.643	-0.351	-0.008	-0.004	0.048	-13.361
2093_2094	2093	2094	-41.62	18.599	0.008	0.004	0.053	-104.901
2094_2094	2094	2094	41.636	19.299	-0.008	0.005	-0.053	104.869
2094_2095	2094	2095	-41.154	-5.43	0.008	-0.005	0.133	12.24
2095_2095	2095	2095	41.089	5.43	-0.009	-0.007	-0.134	-12.153
2095_2096	2095	2096	-40.696	5.87	0.009	0.007	0.201	10.123
2096_2096	2096	2096	40.696	-5.87	-0.009	0.004	-0.201	-10.123
2096_2097	2096	2097	-40.303	17.184	0.009	-0.004	0.267	-79.576
2097_2097	2097	2097	40.309	17.937	0.009	-0.002	-0.267	79.445
2097_2098	2097	2098	-39.366	-6.273	-0.009	0.002	0.196	16.316
2098_2098	2098	2098	39.366	6.273	0.009	-0.002	-0.196	-16.316
2098_2099	2098	2099	-38.422	5.405	-0.009	0.002	0.126	18.798
2099_2099	2099	2099	38.422	-5.405	0.009	-0.002	-0.126	-18.798
2099_2100	2099	2100	-37.478	17.083	-0.009	0.002	0.055	-72.177
2100_2100	2100	2100	37.476	17.549	-0.005	0	-0.055	72.149
2100_2101	2100	2101	-37.135	-8.79	0.005	0	0.083	6.47
2101_2101	2101	2101	37.135	8.79	-0.005	0	-0.083	-6.47
2101_2102	2101	2102	-36.794	-0.046	0.005	0	0.112	32.518
2102_2102	2102	2102	36.794	0.046	-0.005	-0.001	-0.112	-32.518
2102_2103	2102	2103	-36.452	8.713	0.005	0.001	0.14	6.083
2103_2103	2103	2103	36.452	-8.713	-0.005	-0.001	-0.14	-6.083
2103_2104	2103	2104	-36.11	17.472	0.005	0.001	0.169	-72.924
2104_2104	2104	2104	36.11	17.253	-0.005	0.013	-0.169	72.928
2104_2105	2104	2105	-35.806	-5.574	0.005	-0.013	0.208	17.879
2105_2105	2105	2105	35.806	5.574	-0.005	-0.004	-0.208	-17.879
2105_2106	2105	2106	-35.502	6.09	0.005	0.004	0.248	15.273
2106_2106	2106	2106	35.502	-6.09	-0.005	-0.005	-0.248	-15.273
2106_2107	2106	2107	-35.198	17.769	0.005	0.005	0.289	-80.748
2107_2107	2107	2107	35.198	16.994	0.004	0.001	-0.289	80.777
2107_2108	2107	2108	-35.6	-5.68	-0.004	-0.001	0.258	7.471
2108_2108	2108	2108	35.6	5.68	0.004	-0.004	-0.258	-7.472
2108_2109	2108	2109	-36.001	5.619	-0.004	0.004	0.228	8.053
2109_2109	2109	2109	36.024	-5.619	0.004	0.001	-0.23	-8.081
2109_2110	2109	2110	-36.517	19.488	-0.004	-0.001	0.193	-110.807
2110_2110	2110	2110	36.508	19.367	0.032	0.005	-0.193	110.81
2110_2111	2110	2111	-36.47	-1.135	-0.032	-0.005	-0.203	16.862
2111_2111	2111	2111	36.469	1.135	0.032	-0.006	0.203	-16.862
2111_2112	2111	2112	-36.431	17.111	-0.032	0.006	-0.599	-83.419
2112_2112	2112	2112	36.432	13.452	-0.142	-0.005	0.599	83.449
2112_2113	2112	2113	-21.202	5.889	0.142	0.005	1.288	-50.474
2113_2113	2113	2113	62.743	-3.54	0.003	-0.007	0.231	-16.676
2113_2114	2113	2114	-105.484	20.638	-0.003	0.007	-0.266	-75.604
2114_2114	2114	2114	105.476	17.328	-0.009	-0.069	0.266	75.614
2114_2115	2114	2115	-106.425	-5.314	0.009	0.069	-0.188	19.585
2115_2115	2115	2115	106.429	5.314	-0.009	0.028	0.188	-19.584
2115_2116	2115	2116	-108.113	16.006	0.009	-0.028	-0.051	-55.528
2116_2116	2116	2116	108.115	18.079	0.003	-0.036	0.051	55.358
2116_2117	2116	2117	-100.891	-1.711	-0.003	0.036	-0.081	47.921
2117_2117	2117	2117	100.892	1.711	0.003	0.025	0.081	-47.92
2117_2118	2117	2118	-93.668	14.658	-0.003	-0.025	-0.112	-32.812
2118_2118	2118	2118	93.664	16.908	-0.002	0.032	0.112	32.81
2118_2119	2118	2119	-88.863	-0.541	0.002	-0.032	-0.088	60.023

2119_2119	2119	2119	88.862	0.541	-0.002	-0.036	0.088	-60.023
2119_2120	2119	2120	-84.056	15.841	0.002	0.036	-0.065	-31.29
2120_2120	2120	2120	84.068	18.146	-0.003	0.002	0.065	31.1
2120_2121	2120	2121	-78.761	-0.556	0.003	-0.002	-0.033	75.853
2121_2121	2121	2121	78.761	0.556	-0.003	0.002	0.033	-75.853
2121_2122	2121	2122	-73.454	17.034	0.003	-0.002	-0.001	-29.706
2122_2122	2122	2122	73.454	16.829	-0.003	0.005	0.001	29.706
2122_2123	2122	2123	-69.185	-0.449	0.003	-0.005	0.03	62.477
2123_2123	2123	2123	69.185	0.449	-0.003	0.006	-0.03	-62.477
2123_2124	2123	2124	-64.92	15.917	0.003	-0.006	0.061	-29.465
2124_2124	2124	2124	64.918	16.228	0.004	0.034	-0.061	29.477
2124_2125	2124	2125	-60.084	0.138	-0.004	-0.034	0.013	55
2125_2125	2125	2125	60.085	-0.138	0.004	-0.018	-0.013	-55
2125_2126	2125	2126	-55.246	16.519	-0.004	0.018	-0.034	-44.656
2126_2126	2126	2126	55.267	14.798	-0.026	0.018	0.034	44.484
2126_2127	2126	2127	-57.037	5.397	0.026	-0.018	0.331	22.493
2127_2127	2127	2127	57.038	-5.397	-0.026	-0.005	-0.331	-22.492
2127_2128	2127	2128	-58.093	17.423	0.026	0.005	0.548	-70.696
2128_2128	2128	2128	58.086	17.749	0.045	0.006	-0.548	70.536
2128_2129	2128	2129	-38.419	-0.655	-0.045	-0.006	0.016	12.837
2129_2129	2129	2129	38.682	1.554	0.141	0.005	-0.474	-13.502
2129_2130	2129	2130	-44.03	17.759	-0.141	-0.005	-1.394	-88.512
2130_2130	2130	2130	44.032	17.247	-0.197	0.004	1.394	88.399
2130_2131	2130	2131	-44.497	0.959	0.197	-0.004	1.075	14.286
2131_2131	2131	2131	44.498	-0.959	-0.197	-0.006	-1.075	-14.286
2131_2132	2131	2132	-44.962	19.151	0.197	0.006	3.542	-110.415
2132_2132	2132	2132	41.617	18.377	0.27	-0.011	-3.542	84.709
2132_2133	2132	2133	-41.62	-4.54	-0.27	0.011	0.972	24.067
2133_2133	2133	2133	41.62	4.54	0.269	0.004	-0.972	-24.067
2133_2134	2133	2134	-41.622	6.747	-0.269	-0.004	-1.111	15.449
2134_2134	2134	2134	41.622	-6.747	0.269	0.004	1.111	-15.449
2134_2135	2134	2135	-41.625	18.05	-0.269	-0.004	-3.198	-80.83
2135_2135	2135	2135	41.639	18.375	-0.106	-0.007	3.198	81
2135_2136	2135	2136	-40.351	-6.722	0.106	0.007	-2.348	18.101
2136_2136	2136	2136	40.351	6.722	-0.109	0.012	2.348	-18.101
2136_2137	2136	2137	-39.063	4.932	0.109	-0.012	-1.477	23.958
2137_2137	2137	2137	39.063	-4.932	-0.106	-0.013	1.477	-23.959
2137_2138	2137	2138	-37.775	16.585	0.106	0.013	-0.628	-63.428
2138_2138	2138	2138	37.774	17.412	-0.01	0	0.628	63.429
2138_2139	2138	2139	-37.38	-8.671	0.01	0	-0.567	14.312
2139_2139	2139	2139	37.38	8.671	-0.01	0	0.567	-14.312
2139_2140	2139	2140	-36.985	0.069	0.01	0	-0.506	39.602
2140_2140	2140	2140	36.985	-0.069	-0.01	0	0.506	-39.602
2140_2141	2140	2141	-36.591	8.809	0.01	0	-0.445	12.441
2141_2141	2141	2141	36.591	-8.809	-0.01	0	0.445	-12.441
2141_2142	2141	2142	-36.197	17.549	0.01	0	-0.384	-67.17
2142_2142	2142	2142	36.204	17.141	-0.033	0.011	0.384	67.015
2142_2143	2142	2143	-35.837	-5.502	0.033	-0.011	-0.118	22.698
2143_2143	2143	2143	35.837	5.502	-0.031	-0.012	0.118	-22.698
2143_2144	2143	2144	-35.47	6.152	0.031	0.012	0.126	19.337
2144_2144	2144	2144	35.47	-6.152	-0.033	0.006	-0.126	-19.337
2144_2145	2144	2145	-35.102	17.806	0.033	-0.006	0.393	-77.271
2145_2145	2145	2145	35.098	16.866	-0.016	-0.003	-0.393	77.407
2145_2146	2145	2146	-36.119	-5.577	0.016	0.003	0.517	10.644
2146_2146	2146	2146	36.119	5.577	-0.016	-0.003	-0.517	-10.644

2146_2147	2146	2147	-37.141	5.713	0.016	0.003	0.641	11.189
2147_2147	2147	2147	37.22	-5.712	-0.018	0.002	-0.645	-11.281
2147_2148	2147	2148	-38.473	19.551	0.018	-0.002	0.819	-107.429
2148_2148	2148	2148	38.494	19.565	0.042	-0.01	-0.819	107.428
2148_2149	2148	2149	-37.566	-1.357	-0.042	0.01	0.289	21.875
2149_2149	2149	2149	37.567	1.357	0.041	0.004	-0.289	-21.875
2149_2150	2149	2150	-36.639	16.838	-0.041	-0.004	-0.217	-76.299
2150_2150	2150	2150	36.636	12.966	-0.065	-0.017	0.217	76.301
2150_2151	2150	2151	-17.224	6.335	0.065	0.017	0.642	-54.599
2151_2151	2151	2151	67.055	-3.564	-0.004	0.001	-0.092	-26.244
2151_2152	2151	2152	-114.089	21.418	0.004	-0.001	0.142	-66.968
2152_2152	2152	2152	114.092	17.161	0.001	-0.01	-0.142	66.968
2152_2153	2152	2153	-115.424	-4.625	-0.001	0.01	0.134	25.088
2153_2153	2153	2153	115.617	4.625	0.001	-0.009	-0.133	-25.429
2153_2154	2153	2154	-117.846	16.251	-0.001	0.009	0.121	-50.824
2154_2154	2154	2154	117.843	18.401	0.002	-0.005	-0.121	50.823
2154_2155	2154	2155	-109.875	-1.688	-0.002	0.005	0.102	51.115
2155_2155	2155	2155	109.875	1.688	0.002	-0.005	-0.102	-51.115
2155_2156	2155	2156	-101.907	15.026	-0.002	0.005	0.084	-30.827
2156_2156	2156	2156	101.9	16.315	0.003	-0.031	-0.084	30.824
2156_2157	2156	2157	-96.996	-1.105	-0.003	0.031	0.056	51.095
2157_2157	2157	2157	96.996	1.105	0.002	0.032	-0.056	-51.095
2157_2158	2157	2158	-92.087	14.119	-0.002	-0.032	0.038	-19.406
2158_2158	2158	2158	92.091	15.111	0.002	0.006	-0.038	19.22
2158_2159	2158	2159	-87.473	0.099	-0.002	-0.006	0.014	50.815
2159_2159	2159	2159	87.473	-0.099	0.002	0.006	-0.014	-50.815
2159_2160	2159	2160	-82.854	15.308	-0.002	-0.006	-0.009	-31.42
2160_2160	2160	2160	82.834	16.466	0	0.01	0.009	31.6
2160_2161	2160	2161	-77.137	0.248	0	-0.01	-0.011	50.952
2161_2161	2161	2161	77.137	-0.248	0	0.01	0.011	-50.952
2161_2162	2161	2162	-71.44	16.961	0	-0.01	-0.014	-50.377
2162_2162	2162	2162	71.434	15.428	0.007	0.017	0.014	50.376
2162_2163	2162	2163	-72.971	5.464	-0.007	-0.017	-0.111	20.164
2163_2163	2163	2163	73.12	-5.464	0.008	0.001	0.112	-20.371
2163_2164	2163	2164	-74.044	17.984	-0.008	-0.001	-0.177	-75.033
2164_2164	2164	2164	74.049	18.846	-0.01	0.008	0.177	75.034
2164_2165	2164	2165	-51.472	-0.993	0.01	-0.008	-0.056	13.139
2165_2165	2165	2165	51.626	1.881	0.008	0.007	0.037	-13.412
2165_2166	2165	2166	-55.848	18.788	-0.008	-0.007	-0.142	-93.933
2166_2166	2166	2166	55.837	18.888	-0.002	0.001	0.142	93.936
2166_2167	2166	2167	-56.397	0.611	0.002	-0.001	-0.121	21.112
2167_2167	2167	2167	56.397	-0.611	-0.002	0.001	0.121	-21.112
2167_2168	2167	2168	-56.957	20.11	0.002	-0.001	-0.1	-107.621
2168_2168	2168	2168	56.978	20.659	-0.003	-0.01	0.1	107.504
2168_2169	2168	2169	-56.698	-5.855	0.003	0.01	-0.076	18.184
2169_2169	2169	2169	56.775	5.855	-0.002	-0.007	0.075	-18.28
2169_2170	2169	2170	-56.547	6.234	0.002	0.007	-0.056	16.696
2170_2170	2170	2170	56.548	-6.234	-0.004	0.011	0.056	-16.696
2170_2171	2170	2171	-56.319	18.324	0.004	-0.011	-0.023	-78.6
2171_2171	2171	2171	56.314	19.364	-0.001	-0.011	0.023	78.749
2171_2172	2171	2172	-54.919	-6.885	0.001	0.011	-0.013	24.881
2172_2172	2172	2172	54.918	6.885	-0.003	0.016	0.013	-24.88
2172_2173	2172	2173	-53.523	5.595	0.003	-0.016	0.01	28.66
2173_2173	2173	2173	53.523	-5.595	-0.001	-0.015	-0.01	-28.66
2173_2174	2173	2174	-52.128	18.074	0.001	0.015	0.02	-67.411

2174_2174	2174	2174	52.135	18.803	0	0.001	-0.02	67.249
2174_2175	2174	2175	-51.613	-9.444	0	-0.001	0.023	16.92
2175_2175	2175	2175	51.613	9.444	-0.001	0.001	-0.023	-16.92
2175_2176	2175	2176	-51.092	-0.1	0.001	-0.001	0.026	44.922
2176_2176	2176	2176	51.092	0.1	0	0	-0.026	-44.922
2176_2177	2176	2177	-50.57	9.26	0	0	0.029	16.851
2177_2177	2177	2177	50.57	-9.26	0	0	-0.029	-16.851
2177_2178	2177	2178	-50.047	18.619	0	0	0.032	-67.387
2178_2178	2178	2178	50.046	18.446	0.001	0.015	-0.032	67.549
2178_2179	2178	2179	-49.45	-5.967	-0.001	-0.015	0.024	29.258
2179_2179	2179	2179	49.45	5.967	0.003	-0.016	-0.024	-29.258
2179_2180	2179	2180	-48.854	6.513	-0.003	0.016	0.003	26.213
2180_2180	2180	2180	48.854	-6.513	0.001	0.01	-0.003	-26.213
2180_2181	2180	2181	-48.258	18.992	-0.001	-0.01	-0.006	-76.685
2181_2181	2181	2181	48.244	18.029	0.002	-0.004	0.006	76.686
2181_2182	2181	2182	-49.066	-5.94	-0.002	0.004	-0.02	16.988
2182_2182	2182	2182	49.066	5.94	0.002	-0.004	0.02	-16.988
2182_2183	2182	2183	-49.889	6.15	-0.002	0.004	-0.034	16.954
2183_2183	2183	2183	49.994	-6.15	0	0.007	0.029	-17.074
2183_2184	2183	2184	-51.001	20.953	0	-0.007	-0.031	-110.597
2184_2184	2184	2184	51.04	20.893	-0.005	-0.013	0.031	110.703
2184_2185	2184	2185	-50.03	-1.394	0.005	0.013	0.037	27.251
2185_2185	2185	2185	50.032	1.394	-0.007	0.005	-0.037	-27.251
2185_2186	2185	2186	-49.022	18.105	0.007	-0.005	0.119	-78.573
2186_2186	2186	2186	49.01	14.955	0.002	-0.024	-0.119	78.575
2186_2187	2186	2187	-31.375	5.714	-0.002	0.024	0.098	-37.27
2187_2187	2187	2187	76.214	-3.316	0.001	0.003	-0.012	-36.034
2187_2188	2187	2188	-122.611	22.435	-0.001	-0.003	-0.002	-59.16
2188_2188	2188	2188	122.615	19.021	-0.002	-0.011	0.002	59.159
2188_2189	2188	2189	-118.457	-5.613	0.002	0.011	0.017	38.042
2189_2189	2189	2189	119.791	5.602	-0.002	-0.013	-0.017	-36.746
2189_2190	2189	2190	-112.83	16.772	0.002	0.013	0.049	-47.123
2190_2190	2190	2190	112.827	19.234	0.001	-0.009	-0.049	47.122
2190_2191	2190	2191	-107.029	-1.335	-0.001	0.009	0.041	59.248
2191_2191	2191	2191	107.029	1.335	0.001	-0.009	-0.041	-59.248
2191_2192	2191	2192	-101.232	16.563	-0.001	0.009	0.033	-31.299
2192_2192	2192	2192	101.221	17.336	0.002	0.031	-0.033	31.296
2192_2193	2192	2193	-96.948	-0.918	-0.002	-0.031	0.015	55.723
2193_2193	2193	2193	96.948	0.918	0.002	-0.038	-0.015	-55.723
2193_2194	2193	2194	-92.675	15.5	-0.002	0.038	-0.01	-22.941
2194_2194	2194	2194	92.663	16.197	0	-0.029	0.01	22.936
2194_2195	2194	2195	-88.525	0.221	0	0.029	-0.007	52.568
2195_2195	2195	2195	88.525	-0.221	-0.001	0.033	0.007	-52.568
2195_2196	2195	2196	-84.387	16.639	0.001	-0.033	0.003	-37.612
2196_2196	2196	2196	84.372	17.482	0	0.006	-0.003	37.606
2196_2197	2196	2197	-79.707	0.416	0	-0.006	0.004	50.279
2197_2197	2197	2197	79.707	-0.416	0	0.007	-0.004	-50.28
2197_2198	2197	2198	-75.046	18.298	0	-0.007	0.006	-58.563
2198_2198	2198	2198	75.04	16.54	0.003	0.009	-0.006	58.561
2198_2199	2198	2199	-77.896	5.834	-0.003	-0.009	-0.033	17.988
2199_2199	2199	2199	78.002	-5.833	0.003	0.009	0.036	-18.13
2199_2200	2199	2200	-79.715	19.257	-0.003	-0.009	-0.06	-83.624
2200_2200	2200	2200	79.727	20.327	-0.001	0.011	0.06	83.63
2200_2201	2200	2201	-54.973	-1.208	0.001	-0.011	-0.046	12.443
2201_2201	2201	2201	56.413	2.187	0.013	0.004	0.147	-14.854

2201_2202	2201	2202	-60.3	20.198	-0.013	-0.004	-0.322	-100.332
2202_2202	2202	2202	60.298	20.4	-0.009	0.009	0.322	100.337
2202_2203	2202	2203	-60.865	0.734	0.009	-0.009	-0.205	23.673
2203_2203	2203	2203	60.865	-0.734	-0.009	-0.008	0.205	-23.672
2203_2204	2203	2204	-61.432	21.868	0.009	0.008	-0.098	-116.539
2204_2204	2204	2204	61.469	22.363	0.012	0.011	0.098	116.548
2204_2205	2204	2205	-61.368	-6.301	-0.012	-0.011	-0.208	19.556
2205_2205	2205	2205	61.533	6.301	0.013	-0.005	0.214	-19.747
2205_2206	2205	2206	-61.451	6.803	-0.013	0.005	-0.311	17.742
2206_2206	2206	2206	61.451	-6.803	0.013	-0.004	0.311	-17.742
2206_2207	2206	2207	-61.37	19.889	-0.013	0.004	-0.408	-85.63
2207_2207	2207	2207	61.356	20.815	-0.049	0.007	0.408	85.784
2207_2208	2207	2208	-60.119	-7.289	0.049	-0.007	-0.017	25.34
2208_2208	2208	2208	60.119	7.289	-0.048	-0.022	0.017	-25.34
2208_2209	2208	2209	-58.882	6.237	0.048	0.022	0.366	28.237
2209_2209	2209	2209	58.882	-6.237	-0.049	0.01	-0.366	-28.237
2209_2210	2209	2210	-57.645	19.763	0.049	-0.01	0.758	-77.093
2210_2210	2210	2210	57.65	20.37	-0.012	0.001	-0.758	77.093
2210_2211	2210	2211	-57.135	-10.226	0.012	-0.001	0.83	14.078
2211_2211	2211	2211	57.135	10.226	-0.012	0.001	-0.83	-14.078
2211_2212	2211	2212	-56.621	-0.081	0.012	-0.001	0.902	44.371
2212_2212	2212	2212	56.621	0.081	-0.012	0.001	-0.902	-44.371
2212_2213	2212	2213	-56.106	10.064	0.012	-0.001	0.973	13.787
2213_2213	2213	2213	56.106	-10.064	-0.012	0.001	-0.973	-13.787
2213_2214	2213	2214	-55.591	20.208	0.012	-0.001	1.045	-77.674
2214_2214	2214	2214	55.585	20.11	0.049	-0.006	-1.045	77.487
2214_2215	2214	2215	-54.988	-6.584	-0.049	0.006	0.652	28.39
2215_2215	2215	2215	54.988	6.584	0.049	-0.005	-0.652	-28.39
2215_2216	2215	2216	-54.391	6.925	-0.049	0.005	0.259	26.114
2216_2216	2216	2216	54.392	-6.925	0.048	0.021	-0.259	-26.114
2216_2217	2216	2217	-53.794	20.451	-0.048	-0.021	-0.125	-84.323
2217_2217	2217	2217	53.789	19.538	-0.024	-0.01	0.125	84.472
2217_2218	2217	2218	-54.409	-6.435	0.024	0.01	0.059	16.791
2218_2218	2218	2218	54.409	6.435	-0.025	0.006	-0.059	-16.791
2218_2219	2218	2219	-55.029	6.669	0.025	-0.006	0.254	16.49
2219_2219	2219	2219	55.073	-6.668	-0.025	0.003	-0.255	-16.535
2219_2220	2219	2220	-55.832	22.731	0.025	-0.003	0.492	-122.39
2220_2220	2220	2220	55.867	22.778	0.101	0.011	-0.492	122.307
2220_2221	2220	2221	-54.397	-1.664	-0.101	-0.011	-0.774	28.363
2221_2221	2221	2221	54.396	1.664	0.102	-0.008	0.774	-28.363
2221_2222	2221	2222	-52.926	19.468	-0.102	0.008	-2.051	-84.886
2222_2222	2222	2222	52.937	16.405	-0.493	0.005	2.051	85.027
2222_2223	2222	2223	-37.371	5.994	0.493	-0.005	4.479	-34.188
2223_2223	2223	2223	76.889	-3.614	-0.006	-0.015	-0.064	-29.274
2223_2224	2223	2224	-123.942	24.317	0.006	0.015	0.135	-79.684
2224_2224	2224	2224	123.94	22.166	0.018	-0.021	-0.135	79.859
2224_2225	2224	2225	-120.015	-7.629	-0.018	0.021	-0.01	39.223
2225_2225	2225	2225	120.239	7.627	0.017	0.005	0.01	-39.599
2225_2226	2225	2226	-112.547	20.882	-0.017	-0.005	-0.292	-75.135
2226_2226	2226	2226	112.544	22.74	-0.005	0.223	0.292	74.861
2226_2227	2226	2227	-105.915	-1.226	0.005	-0.223	-0.236	63.977
2227_2227	2227	2227	105.909	1.226	-0.004	-0.221	0.236	-63.979
2227_2228	2227	2228	-99.28	20.29	0.004	0.221	-0.188	-59.899
2228_2228	2228	2228	99.222	22.018	0.016	0.037	0.188	60.019
2228_2229	2228	2229	-93.693	-0.5	-0.016	-0.037	-0.38	71.093

2229_2229	2229	2229	93.693	0.5	0.016	-0.028	0.38	-71.093
2229_2230	2229	2230	-88.164	21.019	-0.016	0.028	-0.572	-60.6
2230_2230	2230	2230	88.131	21.671	-0.008	0.356	0.572	60.792
2230_2231	2230	2231	-83.529	0.006	0.008	-0.356	-0.479	66.794
2231_2231	2231	2231	83.533	-0.006	-0.006	-0.341	0.479	-66.792
2231_2232	2231	2232	-78.934	21.671	0.006	0.341	-0.4	-72.157
2232_2232	2232	2232	78.879	21.733	0.015	0.024	0.4	72.018
2232_2233	2232	2233	-77.031	2.914	-0.015	-0.024	-0.603	56.747
2233_2233	2233	2233	77.299	-2.915	0.015	-0.021	0.6	-57.058
2233_2234	2233	2234	-75.924	21.127	-0.015	0.021	-0.751	-69.317
2234_2234	2234	2234	75.955	19.019	-0.055	0.075	0.751	69.324
2234_2235	2234	2235	-62.572	1.08	0.055	-0.075	-0.12	15.683
2235_2235	2235	2235	63.667	-0.448	-0.308	-0.093	2.487	-17.465
2235_2236	2235	2236	-67.45	19.028	0.308	0.093	0.574	-75.487
2236_2236	2236	2236	67.38	18.898	0.188	-0.012	-0.574	75.643
2236_2237	2236	2237	-67.661	0.751	-0.188	0.012	-1.394	20.083
2237_2237	2237	2237	67.66	-0.751	0.187	0	1.394	-20.083
2237_2238	2237	2238	-67.951	21.055	-0.187	0	-3.427	-97.6
2238_2238	2238	2238	68.107	23.071	-0.173	0.136	3.427	97.611
2238_2239	2238	2239	-68.632	-3.441	0.173	-0.136	-1.616	42.128
2239_2239	2239	2239	68.629	3.441	-0.172	-0.11	1.616	-42.129
2239_2240	2239	2240	-69.331	22.796	0.172	0.11	0.798	-92.436
2240_2240	2240	2240	69.397	21.026	-0.035	-0.01	-0.795	92.288
2240_2241	2240	2241	-67.679	-3.48	0.035	0.01	1.126	20.857
2241_2241	2241	2241	67.679	3.48	-0.035	0.004	-1.126	-20.857
2241_2242	2241	2242	-65.799	15.716	0.035	-0.004	1.488	-43.681
2242_2242	2242	2242	65.806	17.869	-0.069	0.008	-1.488	43.771
2242_2243	2242	2243	-64.977	0.576	0.069	-0.008	2.164	40.532
2243_2243	2243	2243	64.977	-0.576	-0.069	-0.009	-2.164	-40.532
2243_2244	2243	2244	-64.153	18.89	0.069	0.009	2.835	-55.522
2244_2244	2244	2244	64.128	19.158	0.017	0.118	-2.835	55.536
2244_2245	2244	2245	-63.593	-2.053	-0.017	-0.118	2.682	40.669
2245_2245	2245	2245	63.592	2.053	0.017	-0.099	-2.682	-40.67
2245_2246	2245	2246	-62.978	17.577	-0.017	0.099	2.5	-41.471
2246_2246	2246	2246	62.972	16.215	-0.028	0.007	-2.5	41.46
2246_2247	2246	2247	-62.146	3.039	0.028	-0.007	2.787	25.122
2247_2247	2247	2247	62.146	-3.039	-0.028	-0.001	-2.787	-25.122
2247_2248	2247	2248	-61.395	20.546	0.028	0.001	3.048	-86.18
2248_2248	2248	2248	61.349	22.207	0.262	0.292	-3.048	85.855
2248_2249	2248	2249	-62.548	1.669	-0.262	-0.292	-0.295	45.87
2249_2249	2249	2249	62.644	-1.668	0.264	-0.313	0.293	-45.966
2249_2250	2249	2250	-63.745	23.655	-0.264	0.313	-3.399	-101.976
2250_2250	2250	2250	63.78	21.354	-0.132	-0.003	3.399	101.978
2250_2251	2250	2251	-65.099	4.715	0.132	0.003	-1.563	15.148
2251_2251	2251	2251	65.1	-4.715	-0.132	0.005	1.563	-15.148
2251_2252	2251	2252	-65.83	19.141	0.132	-0.005	-0.546	-76.021
2252_2252	2252	2252	65.599	19.043	0.046	-0.006	0.546	75.985
2252_2253	2252	2253	-55.177	-0.122	-0.046	0.006	-1.013	8.62
2253_2253	2253	2253	55.205	0.122	0.047	-0.014	1.013	-8.628
2253_2254	2253	2254	-42.641	22.689	-0.047	0.014	-1.588	-143.555
2254_2254	2254	2254	99.331	19.281	-0.128	-0.034	2.116	52.391
2254_2255	2254	2255	-117.408	-1.468	0.128	0.034	-0.96	63.643
2255_2255	2255	2255	117.412	1.468	-0.128	0.029	0.96	-63.643
2255_2256	2255	2256	-147.148	27.833	0.128	-0.029	0.942	-94.76
2256_2256	2256	2256	147.121	23.986	0.067	0.248	-0.934	94.599

2256_2257	2256	2257	-146.202	-1.878	-0.067	-0.248	0.187	49.598
2257_2257	2257	2257	146.214	1.878	0.067	-0.238	-0.187	-49.594
2257_2258	2257	2258	-145.239	21.56	-0.067	0.238	-0.602	-67.609
2258_2258	2258	2258	145.251	22.368	-0.003	-0.009	0.602	67.823
2258_2259	2258	2259	-147.137	0.548	0.003	0.009	-0.568	61.424
2259_2259	2259	2259	147.137	-0.548	-0.003	0.021	0.568	-61.424
2259_2260	2259	2260	-149.001	23.206	0.003	-0.021	-0.534	-72.039
2260_2260	2260	2260	148.996	21.734	0.002	0.53	0.534	71.949
2260_2261	2260	2261	-152.802	1.281	-0.002	-0.53	-0.557	51.707
2261_2261	2261	2261	152.807	-1.281	0.002	-0.526	0.557	-51.7
2261_2262	2261	2262	-156.533	23.816	-0.002	0.526	-0.577	-86.929
2262_2262	2262	2262	156.553	22.988	0.026	-0.016	0.577	86.838
2262_2263	2262	2263	-159.152	1.959	-0.026	0.016	-0.908	48.783
2263_2263	2263	2263	159.15	-1.959	0.026	0.018	0.908	-48.784
2263_2264	2263	2264	-161.573	25.21	-0.026	-0.018	-1.216	-108.353
2264_2264	2264	2264	161.604	23.324	-0.038	0.164	1.216	108.631
2264_2265	2264	2265	-161.841	1.93	0.038	-0.164	-0.728	27.826
2265_2265	2265	2265	162.044	-1.93	-0.038	-0.202	0.747	-28.183
2265_2266	2265	2266	-162.26	25.209	0.038	0.202	-0.302	-131.876
2266_2266	2266	2266	162.294	26.217	0.036	0	0.302	131.739
2266_2267	2266	2267	-137.122	-5.638	-0.036	0	-0.672	2.548
2267_2267	2267	2267	137.128	5.638	0.036	-0.039	0.672	-2.547
2267_2268	2267	2268	-114.345	12.988	-0.036	0.039	-1.007	-60.655
2268_2268	2268	2268	64.577	22.819	-0.07	-0.005	0.996	141.854
2268_2269	2268	2269	-77.358	-0.592	0.07	0.005	-0.225	1.973
2269_2269	2269	2269	77.366	0.592	-0.07	-0.017	0.225	-1.976
2269_2270	2269	2270	-92.644	25.979	0.07	0.017	0.701	-148.993
2270_2270	2270	2270	92.661	34.653	0.029	-0.019	-0.701	149.098
2270_2271	2270	2271	-57.758	-11.211	-0.029	0.019	0.365	81.883
2271_2271	2271	2271	57.786	11.209	0.029	-0.019	-0.365	-81.903
2271_2272	2271	2272	-19.765	14.329	-0.029	0.019	0	22.014
2372_2372	2372	2372	17.993	10.147	-0.137	-0.038	0	-23.92
2372_2373	2372	2373	-50.129	8.312	0.137	0.038	1.69	70.442
2373_2373	2373	2373	50.129	-8.312	-0.137	0.019	-1.69	-70.442
2373_2374	2373	2374	-81.546	26.358	0.137	-0.019	3.341	-104.519
2374_2374	2374	2374	81.501	20.213	0.103	-0.003	-3.341	103.896
2374_2375	2374	2375	-72.88	-1.968	-0.103	0.003	2.089	22.194
2375_2375	2375	2375	72.88	1.968	0.103	0.005	-2.089	-22.194
2375_2376	2375	2376	-65.363	13.938	-0.103	-0.005	0.997	-49.657
2376_2376	2376	2376	65.349	15.264	0.14	0.161	-0.997	49.573
2376_2377	2376	2377	-65.936	1.507	-0.14	-0.161	-0.577	27.994
2377_2377	2377	2377	65.934	-1.507	0.139	-0.166	0.577	-27.997
2377_2378	2377	2378	-66.487	17.317	-0.139	0.166	-2.049	-71.245
2378_2378	2378	2378	66.491	18.143	-0.048	0.011	2.049	71.233
2378_2379	2378	2379	-67.025	1.262	0.048	-0.011	-1.428	38.345
2379_2379	2379	2379	67.025	-1.262	-0.048	-0.017	1.428	-38.346
2379_2380	2379	2380	-67.488	18.082	0.048	0.017	-0.889	-70.568
2380_2380	2380	2380	67.635	15.123	-0.092	0.007	0.885	70.414
2380_2381	2380	2381	-69.783	1.313	0.092	-0.007	0.131	7.978
2381_2381	2381	2381	69.78	-1.313	-0.093	-0.028	-0.131	-7.978
2381_2382	2381	2382	-71.702	16.02	0.093	0.028	1.047	-75.151
2382_2382	2382	2382	71.712	18.074	0.035	-0.017	-1.047	74.753
2382_2383	2382	2383	-62.849	0.573	-0.035	0.017	0.616	23.794
2383_2383	2383	2383	62.849	-0.573	0.035	-0.008	-0.616	-23.794
2383_2384	2383	2384	-54.894	17.309	-0.035	0.008	0.229	-85.914

2384_2384	2384	2384	77.635	17.941	0	-0.026	-0.052	49.16
2384_2385	2384	2385	-66.765	-1.78	0	0.026	0.051	45.751
2385_2385	2385	2385	66.766	1.78	0	0.017	-0.051	-45.751
2385_2386	2385	2386	-54.778	16.043	0	-0.017	0.048	-53.968
2386_2386	2386	2386	54.859	18.404	-0.002	0.253	-0.046	53.765
2386_2387	2386	2387	-56.52	-0.067	0.002	-0.253	0.068	63.365
2387_2387	2387	2387	56.507	0.067	-0.003	-0.248	-0.068	-63.37
2387_2388	2387	2388	-58.125	17.791	0.003	0.248	0.099	-40.664
2388_2388	2388	2388	58.123	18.555	0.008	-0.019	-0.099	40.733
2388_2389	2388	2389	-57.529	0.795	-0.008	0.019	-0.01	75.087
2389_2389	2389	2389	57.53	-0.795	0.008	0.054	0.01	-75.086
2389_2390	2389	2390	-57.013	17.632	-0.008	-0.054	-0.105	-29.725
2390_2390	2390	2390	57.005	18.264	0.001	0.319	0.105	29.745
2390_2391	2390	2391	-57.267	1.568	-0.001	-0.319	-0.12	82.693
2391_2391	2391	2391	57.26	-1.568	0	-0.337	0.12	-82.696
2391_2392	2391	2392	-57.476	17.935	0	0.337	-0.124	-24.432
2392_2392	2392	2392	57.497	17.907	0.004	0.019	0.124	24.132
2392_2393	2392	2393	-58.393	1.205	-0.004	-0.019	-0.169	84.786
2393_2393	2393	2393	58.393	-1.205	0.004	0.037	0.169	-84.786
2393_2394	2393	2394	-59.194	18.273	-0.004	-0.037	-0.21	-26.31
2394_2394	2394	2394	59.175	17.98	0.013	0.425	0.21	26.628
2394_2395	2394	2395	-59.883	-0.392	-0.013	-0.425	-0.364	83.088
2395_2395	2395	2395	59.888	0.392	0.012	-0.345	0.364	-83.089
2395_2396	2395	2396	-60.638	18.221	-0.012	0.345	-0.517	-28.171
2396_2396	2396	2396	60.651	16.728	-0.035	0.039	0.517	28.004
2396_2397	2396	2397	-64.681	1.26	0.035	-0.039	-0.098	70.096
2397_2397	2397	2397	64.682	-1.26	-0.035	0.02	0.098	-70.096
2397_2398	2397	2398	-68.76	19.463	0.035	-0.02	0.327	-52.932
2398_2398	2398	2398	68.77	19.349	0.156	0.187	-0.327	52.92
2398_2399	2398	2399	-68.019	-0.422	-0.156	-0.187	-1.671	72.004
2399_2399	2399	2399	68.023	0.422	0.156	-0.14	1.671	-72.001
2399_2400	2399	2400	-67.274	18.454	-0.156	0.14	-3.659	-44.194
2400_2400	2400	2400	67.281	19.308	-0.249	0.037	3.659	44.292
2400_2401	2400	2401	-18.36	2.435	0.249	-0.037	0	24.607
2572_2572	2572	2572	17.833	10.218	-0.151	-0.012	0	-23.902
2572_2573	2572	2573	-50.228	8.261	0.151	0.012	1.864	71.518
2573_2573	2573	2573	50.228	-8.261	-0.151	0.004	-1.864	-71.518
2573_2574	2573	2574	-81.637	26.177	0.151	-0.004	3.672	-100.516
2574_2574	2574	2574	81.668	19.984	0.146	0.002	-3.672	100.994
2574_2575	2574	2575	-72.948	-2.021	-0.146	-0.002	1.912	21.697
2575_2575	2575	2575	72.948	2.021	0.146	-0.006	-1.912	-21.697
2575_2576	2575	2576	-65.303	13.726	-0.146	0.006	0.369	-48.383
2576_2576	2576	2576	65.288	15.292	0.092	0.164	-0.369	48.211
2576_2577	2576	2577	-65.677	1.53	-0.092	-0.164	-0.669	29.555
2577_2577	2577	2577	65.675	-1.53	0.092	-0.169	0.669	-29.558
2577_2578	2577	2578	-66.046	17.603	-0.092	0.169	-1.661	-73.077
2578_2578	2578	2578	66.034	18.022	-0.028	-0.016	1.661	73.09
2578_2579	2578	2579	-67.049	1.195	0.028	0.016	-1.299	35.512
2579_2579	2579	2579	67.05	-1.195	-0.028	0.015	1.299	-35.511
2579_2580	2579	2580	-67.942	18.094	0.028	-0.015	-0.98	-73.226
2580_2580	2580	2580	68.089	15.299	-0.105	-0.002	0.978	73.261
2580_2581	2580	2581	-69.171	1.087	0.105	0.002	0.173	6.25
2581_2581	2581	2581	69.169	-1.087	-0.105	-0.019	-0.173	-6.25
2581_2582	2581	2582	-70.137	15.739	0.105	0.019	1.202	-74.833
2582_2582	2582	2582	70.093	18.22	0.05	-0.01	-1.202	75.123

2582_2583	2582	2583	-61.037	0.204	-0.05	0.01	0.581	24.853
2583_2583	2583	2583	61.037	-0.204	0.05	-0.004	-0.581	-24.853
2583_2584	2583	2584	-52.777	17.008	-0.05	0.004	0.015	-82.054
2584_2584	2584	2584	74.986	17.81	-0.005	-0.011	0.016	46.22
2584_2585	2584	2585	-65.065	-1.703	0.005	0.011	0.04	48.218
2585_2585	2585	2585	65.065	1.703	-0.005	0.006	-0.04	-48.218
2585_2586	2585	2586	-54.118	16.068	0.005	-0.006	0.102	-50.736
2586_2586	2586	2586	54.196	18.343	0.001	0.28	-0.095	50.969
2586_2587	2586	2587	-56.334	-0.212	-0.001	-0.28	0.086	65.733
2587_2587	2587	2587	56.324	0.212	0.001	-0.269	-0.086	-65.739
2587_2588	2587	2588	-58.442	17.746	-0.001	0.269	0.075	-37.356
2588_2588	2588	2588	58.44	18.458	0.007	0.035	-0.075	37.443
2588_2589	2588	2589	-58.118	0.73	-0.007	-0.035	-0.018	77.397
2589_2589	2589	2589	58.118	-0.73	0.007	-0.006	0.018	-77.397
2589_2590	2589	2590	-57.834	17.623	-0.007	0.006	-0.099	-27.173
2590_2590	2590	2590	57.834	18.198	0.001	0.295	0.099	27.099
2590_2591	2590	2591	-58.332	1.522	-0.001	-0.295	-0.114	84.768
2591_2591	2591	2591	58.327	-1.522	0.001	-0.305	0.114	-84.771
2591_2592	2591	2592	-58.741	17.878	-0.001	0.305	-0.128	-21.555
2592_2592	2592	2592	58.723	17.757	0.007	0.052	0.128	22.071
2592_2593	2592	2593	-59.883	1.118	-0.007	-0.052	-0.213	85.356
2593_2593	2593	2593	59.883	-1.118	0.007	0	0.213	-85.357
2593_2594	2593	2594	-60.941	18.332	-0.007	0	-0.29	-26.3
2594_2594	2594	2594	60.973	17.946	-0.005	0.481	0.29	25.625
2594_2595	2594	2595	-61.291	-0.368	0.005	-0.481	-0.233	83.369
2595_2595	2595	2595	61.296	0.368	-0.005	-0.401	0.233	-83.37
2595_2596	2595	2596	-61.63	18.134	0.005	0.401	-0.176	-27.154
2596_2596	2596	2596	61.636	16.469	0.033	0.038	0.176	27.134
2596_2597	2596	2597	-66.498	1.494	-0.033	-0.038	-0.578	68.476
2597_2597	2597	2597	66.498	-1.494	0.033	0.018	0.578	-68.476
2597_2598	2597	2598	-71.403	19.612	-0.033	-0.018	-0.983	-55.666
2598_2598	2598	2598	71.437	19.767	-0.087	0.215	0.983	55.402
2598_2599	2598	2599	-67.397	-0.896	0.087	-0.215	0.127	72.304
2599_2599	2599	2599	67.398	0.896	-0.087	-0.166	-0.127	-72.301
2599_2600	2599	2600	-63.368	17.926	0.087	0.166	1.233	-39.713
2600_2600	2600	2600	63.347	18.639	0.108	0.012	-1.233	39.498
2600_2601	2600	2601	-18.112	-1.758	-0.108	-0.012	0	24.611
3000_3000	3000	3000	67.006	456.281	-0.386	2.722	0	-322.668
3000_3001	3000	3001	-52.239	-412.783	0.386	-2.722	5.761	6736.893
3001_3001	3001	3001	52.24	412.783	-0.391	-4.696	-5.761	-6736.9
3001_3002	3001	3002	-41.947	-382.466	0.391	4.696	9.827	10823.8
3002_3002	3002	3002	41.931	325.348	1.138	11.323	-9.827	-10824
3002_3003	3002	3003	-32.518	-289.888	-1.138	-11.323	-4.007	14522.08
3003_3003	3003	3003	32.516	289.888	1.13	-12.889	4.007	-14522.1
3003_3004	3003	3004	-23.098	-254.405	-1.13	12.889	-17.76	17790.83
3004_3004	3004	3004	23.105	211.885	0.414	8.077	17.76	-17791.2
3004_3005	3004	3005	-16.448	-176.411	-0.414	-8.077	-22.8	20123.12
3005_3005	3005	3005	16.448	176.411	0.41	-9.769	22.8	-20123.1
3005_3006	3005	3006	-9.787	-140.911	-0.41	9.769	-27.796	22024.65
3006_3006	3006	3006	9.777	97.735	-0.104	18.72	27.796	-22025
3006_3007	3006	3007	-6.317	-62.267	0.104	-18.72	-26.527	22982.81
3007_3007	3007	3007	6.317	62.267	-0.112	-19.802	26.527	-22982.8
3007_3008	3007	3008	-2.855	-26.778	0.112	19.802	-25.17	23509.45
3008_3008	3008	3008	2.867	-15.93	0.654	8.746	25.17	-23510.1
3008_3009	3008	3009	-2.757	51.413	-0.654	-8.746	-33.127	23100.69

3009_3009	3009	3009	2.757	-51.413	0.651	-9.474	33.127	-23100.7
3009_3010	3009	3010	-2.647	86.892	-0.651	9.474	-41.042	22259.62
3010_3010	3010	3010	2.64	-130.002	-0.223	16.105	41.042	-22260
3010_3011	3010	3011	-5.614	165.477	0.223	-16.105	-38.334	20477.2
3011_3011	3011	3011	5.613	-165.477	-0.229	-16.083	38.334	-20477.2
3011_3012	3011	3012	-8.586	200.946	0.229	16.083	-35.544	18263.29
3012_3012	3012	3012	8.584	-243.244	0.045	5.984	35.544	-18263.7
3012_3013	3012	3013	-14.231	278.735	-0.045	-5.984	-36.093	15114.18
3013_3013	3013	3013	14.231	-278.735	0.042	-5.765	36.093	-15114.2
3013_3014	3013	3014	-19.877	314.222	-0.042	5.765	-36.6	11533.08
3014_3014	3014	3014	19.879	-355.574	0.202	3.745	36.6	-11533.3
3014_3015	3014	3015	-27.024	403.559	-0.202	-3.745	-39.93	5321.483
3015_3015	3015	3015	25.558	-402.411	0.171	-3.081	39.672	-5275.06
3015_3016	3015	3016	-30.957	424.858	-0.171	3.083	-41.079	1881.684
3016_3016	3016	3016	70.566	-472.599	1.171	-1.306	47.21	-2026.7
3016_3017	3016	3017	-81.494	504.707	-1.171	1.289	-60.979	-3675.22
3017_3017	3017	3017	96.023	-502.389	1.165	1.356	61.183	3673.023
3017_3018	3017	3018	-106.391	541.29	-1.165	-1.385	-76.654	-10552.6
3018_3018	3018	3018	125.83	-587.647	0.289	-12.841	75.581	10552.95
3018_3019	3018	3019	-134.676	626.227	-0.289	12.891	-79.203	-18122.6
3019_3019	3019	3019	151.869	-622.831	0.282	13.505	82.166	18123.41
3019_3020	3019	3020	-159.287	663.897	-0.282	-13.449	-85.705	-26173.7
3020_3020	3020	3020	-2416.25	206.426	-10.527	-5.233	254.889	5458.542
3020_3021	3020	3021	2416.226	-179.87	10.527	5.233	-154.951	-3624.84
3021_3021	3021	3021	-2416.32	179.87	-5.745	1.939	153.353	3625.264
3021_3022	3021	3022	2416.312	-160.293	5.745	-1.939	-108.815	-2306.79
3022_3022	3022	3022	-2416.31	160.293	-5.745	1.939	108.815	2306.787
3022_3023	3022	3023	2416.3	-140.716	5.745	-1.939	-64.277	-1140.08
3023_3023	3023	3023	-2416.34	93.83	-9.037	-0.353	64.277	1140.125
3023_3024	3023	3024	2416.042	-73.623	9.037	0.353	8.038	-469.027
3024_3024	3024	3024	-2416.04	73.623	-9.037	-0.353	-8.038	469.027
3024_3025	3024	3025	2415.744	-53.415	9.037	0.353	80.353	40.365
3025_3025	3025	3025	-2415.75	53.415	-6.323	-0.32	-80.353	-40.365
3025_3026	3025	3026	2415.455	-33.235	6.323	0.32	130.881	387.686
3026_3026	3026	3026	-2415.44	-13.199	-5.21	-0.216	-130.881	-387.766
3026_3027	3026	3027	2414.671	28.354	5.21	0.216	162.144	266.099
3027_3027	3027	3027	-2414.68	-28.354	-1.179	-0.55	-162.144	-266.098
3027_3028	3027	3028	2413.909	43.506	1.179	0.55	169.221	53.529
3028_3028	3028	3028	-2413.91	-43.506	-1.179	-0.55	-169.221	-53.529
3028_3029	3028	3029	2413.142	58.658	1.179	0.55	176.298	-249.952
3029_3029	3029	3029	-2413.14	-58.658	2.852	-0.043	-176.298	249.953
3029_3030	3029	3030	2412.374	73.807	-2.852	0.043	159.189	-644.274
3030_3030	3030	3030	-2412.38	-120.633	1.711	-2.818	-159.189	644.231
3030_3031	3030	3031	2410.622	140.859	-1.711	2.818	145.483	-1684.42
3031_3031	3031	3031	-2410.62	-140.859	4.436	-0.883	-145.483	1684.419
3031_3032	3031	3032	2408.864	161.056	-4.436	0.883	110.005	-2884.84
3032_3032	3032	3032	-2408.86	-161.056	7.461	2.746	-110.005	2884.838
3032_3033	3032	3033	2407.103	181.252	-7.461	-2.746	50.34	-4246.63
3033_3033	3033	3033	-2407.11	-229.991	4.316	-9.756	-50.34	4246.762
3033_3034	3033	3034	2404.942	249.553	-4.316	9.756	16.91	-6095.49
3034_3034	3034	3034	-2404.92	-249.553	10.859	6.675	-16.91	6095.499
3034_3035	3034	3035	2402.751	269.135	-10.859	-6.675	-67.294	-8097.92
3035_3035	3035	3035	-2403.8	-269.147	9.557	2.095	68.145	8102.97
3035_3036	3035	3036	2401.257	295.727	-9.557	-2.095	-158.963	-10776.8
3036_3036	3036	3036	164.837	553.016	0.594	-12.246	-12.356	32945.58

3036_3037	3036	3037	-160.559	-511.949	-0.594	12.276	4.885	-26283.2
3037_3037	3037	3037	146.383	515.346	0.573	10.559	-7.248	26282.45
3037_3038	3037	3038	-141.661	-476.738	-0.573	-10.532	0.057	-20091.6
3038_3038	3038	3038	125.707	436.619	-0.165	-4.309	1.148	20091.97
3038_3039	3038	3039	-120.794	-397.705	0.165	4.306	1.042	-14587
3039_3039	3039	3039	655.032	393.126	-0.482	3.094	9.664	11658.74
3039_3040	3039	3040	-658.406	-361.133	0.482	-3.103	-3.999	-7328.84
3040_3040	3040	3040	650.312	312.524	0.293	0.622	4.127	7330.157
3040_3041	3040	3041	-630.549	-290.485	-0.293	-0.628	-6.548	-4961.16
3041_3041	3041	3041	716.536	293.154	0.116	-0.71	7.888	4525.882
3041_3042	3041	3042	-638.407	-254.833	-0.116	0.71	-9.744	-491.859
3042_3042	3042	3042	638.411	209.382	0.017	2.4	9.744	491.888
3042_3043	3042	3043	-583.414	-180.773	-0.017	-2.4	-9.943	1591.369
3043_3043	3043	3043	583.413	180.773	-0.011	-2.823	9.943	-1591.37
3043_3044	3043	3044	-528.42	-152.166	0.011	2.823	-9.816	3332.532
3044_3044	3044	3044	528.435	112.096	0.1	6.786	9.816	-3332.61
3044_3045	3044	3045	-475.746	-83.49	-0.1	-6.786	-11.013	4261.619
3045_3045	3045	3045	475.746	83.49	0.043	-6.888	11.013	-4261.62
3045_3046	3045	3046	-423.021	-54.865	-0.043	6.888	-11.531	4849.037
3046_3046	3046	3046	423.028	14.5	-0.056	0.369	11.531	-4849.13
3046_3047	3046	3047	-373.151	14.097	0.056	-0.369	-10.865	4622.932
3047_3047	3047	3047	373.151	-14.097	-0.058	-0.115	10.865	-4622.93
3047_3048	3047	3048	-323.232	42.718	0.058	0.115	-10.172	4054.421
3048_3048	3048	3048	323.24	-83.448	0.027	0.145	10.172	-4054.51
3048_3049	3048	3049	-275.852	112.063	-0.027	-0.145	-10.492	2666.928
3049_3049	3049	3049	275.852	-112.063	0.029	0.421	10.492	-2666.93
3049_3050	3049	3050	-228.503	140.655	-0.029	-0.421	-10.837	938.797
3050_3050	3050	3050	228.498	-182.767	-0.24	0.11	10.837	-938.802
3050_3051	3050	3051	-167.106	221.051	0.24	-0.11	-6.996	-2575.88
3051_3051	3051	3051	166.29	-219.322	-0.259	1.188	6.866	2593.138
3051_3052	3051	3052	-136.564	239.734	0.259	-1.189	-4.727	-4627.61
3052_3052	3052	3052	143.468	-284.917	0.715	-1.583	4.663	4628.443
3052_3053	3052	3053	-108.204	314.389	-0.715	1.582	-13.071	-8339.11
3053_3053	3053	3053	105.234	-311.65	0.578	4.134	17.969	8403.563
3053_3054	3053	3054	-86.438	349.382	-0.578	-4.13	-25.641	-12928.3
3054_3054	3054	3054	100.529	-391.827	0.709	-14.261	24.157	12930.52
3054_3055	3054	3055	-95.482	429.064	-0.709	14.29	-33.048	-18178.7
3055_3055	3055	3055	107.497	-425.014	0.656	16.338	36.361	18181.81
3055_3056	3055	3056	-111.196	464.425	-0.656	-16.306	-44.613	-23846.3
3056_3056	3056	3056	-1972.49	269.472	-7.748	-3.896	145.184	7545.481
3056_3057	3056	3057	1981.697	-243.717	7.748	3.896	-71.564	-5149.32
3057_3057	3057	3057	-1983.3	243.716	-4.975	3.501	72.134	5119.251
3057_3058	3057	3058	1990.858	-223.177	4.975	-3.501	-33.59	-3345.03
3058_3058	3058	3058	-1990.86	223.177	-4.975	3.501	33.59	3345.034
3058_3059	3058	3059	1998.419	-202.639	4.975	-3.501	4.954	-1729.94
3059_3059	3059	3059	-1998.44	156.846	-7.918	-0.578	-4.954	1729.966
3059_3060	3059	3060	2005.8	-135.618	7.918	0.578	68.356	-592.681
3060_3060	3060	3060	-2005.81	135.618	-5.391	0.996	-68.356	592.679
3060_3061	3060	3061	2013.156	-114.418	5.391	-0.996	111.469	373.45
3061_3061	3061	3061	-2013.16	114.418	-5.391	0.996	-111.469	-373.45
3061_3062	3061	3062	2020.504	-93.218	5.391	-0.996	154.581	1170.044
3062_3062	3062	3062	-2020.49	48.848	-0.031	0.636	-154.581	-1170.1
3062_3063	3062	3063	2025.501	-32.936	0.031	-0.636	154.765	1392.318
3063_3063	3063	3063	-2025.5	32.936	-0.031	0.636	-154.765	-1392.32
3063_3064	3063	3064	2030.508	-17.025	0.031	-0.636	154.948	1519.031

3064_3064	3064	3064	-2030.51	17.025	-0.031	0.636	-154.948	-1519.03
3064_3065	3064	3065	2035.516	-1.113	0.031	-0.636	155.132	1550.243
3065_3065	3065	3065	-2035.51	1.113	3.353	-0.062	-155.132	-1550.24
3065_3066	3065	3066	2040.511	14.77	-3.353	0.062	135.043	1486.153
3066_3066	3066	3066	-2040.51	-59.3	4.815	-0.474	-135.043	-1486.25
3066_3067	3066	3067	2046.47	80.521	-4.815	0.474	96.501	898.522
3067_3067	3067	3067	-2046.47	-80.521	4.815	-0.474	-96.501	-898.522
3067_3068	3067	3068	2052.433	101.742	-4.815	0.474	57.96	140.919
3068_3068	3068	3068	-2052.42	-101.742	10.065	2.359	-57.96	-140.922
3068_3069	3068	3069	2058.369	122.934	-10.065	-2.359	-22.497	-785.144
3069_3069	3069	3069	-2058.39	-167.425	4.913	-5.571	22.497	785.155
3069_3070	3069	3070	2064.121	187.98	-4.913	5.571	-60.593	-2190.22
3070_3070	3070	3070	-2064.11	-187.98	7.543	-1.146	60.593	2190.22
3070_3071	3070	3071	2069.831	208.507	-7.543	1.146	-119.001	-3752.42
3071_3071	3071	3071	-2066.71	-208.505	10.452	6.011	121.245	3776.688
3071_3072	3071	3072	2073.559	234.269	-10.452	-6.011	-220.593	-5913.72
3072_3072	3072	3072	66.942	502.941	-0.241	-6.731	34.689	21841.5
3072_3073	3072	3073	-34.201	-463.924	0.241	6.771	-31.662	-15840.8
3073_3073	3073	3073	21.308	467.971	-0.265	7.618	30.059	15838.8
3073_3074	3073	3074	12.737	-431.216	0.265	-7.582	-26.738	-10269.5
3074_3074	3074	3074	-27.413	393.256	-0.508	0.417	27.347	10268.67
3074_3075	3074	3075	56.7	-355.958	0.508	-0.413	-20.598	-5337.63
3075_3075	3075	3075	441.852	352.469	-0.923	-0.031	14.947	2603.812
3075_3076	3075	3076	-441.778	-324.002	0.923	0.025	-4.089	1315.085
3076_3076	3076	3076	434.436	279.651	0.644	6.968	4.005	-1314.33
3076_3077	3076	3077	-423.637	-259.999	-0.644	-6.969	-9.31	3476.009
3077_3077	3077	3077	390.807	262.619	0.605	-6.609	10.489	-3443.08
3077_3078	3077	3078	-360.183	-225.832	-0.605	6.609	-19.288	6852.653
3078_3078	3078	3078	360.181	186.71	-0.149	-0.153	19.288	-6852.81
3078_3079	3078	3079	-337.716	-158.306	0.149	0.153	-17.617	8685.002
3079_3079	3079	3079	337.716	158.306	-0.149	-0.153	17.617	-8685
3079_3080	3079	3080	-315.251	-129.902	0.149	0.153	-15.946	10198.14
3080_3080	3080	3080	315.251	94.202	-0.171	5.457	15.946	-10198.3
3080_3081	3080	3081	-294.95	-65.775	0.171	-5.457	-14.023	11001.08
3081_3081	3081	3081	294.95	65.775	-0.195	-5.542	14.023	-11001.1
3081_3082	3081	3082	-274.667	-37.375	0.195	5.542	-11.833	11483.98
3082_3082	3082	3082	274.669	-1.032	0.01	5.582	11.833	-11484.2
3082_3083	3082	3083	-255.402	31.556	-0.01	-5.582	-11.957	11194.68
3083_3083	3083	3083	255.402	-31.556	-0.014	-5.357	11.957	-11194.7
3083_3084	3083	3084	-236.119	62.104	0.014	5.357	-11.787	10536.05
3084_3084	3084	3084	236.122	-100.552	-0.011	5.016	11.787	-10536.2
3084_3085	3084	3085	-220.564	128.948	0.011	-5.016	-11.66	9171.344
3085_3085	3085	3085	220.564	-128.948	-0.037	-4.418	11.66	-9171.34
3085_3086	3085	3086	-204.992	157.367	0.037	4.418	-11.239	7486.012
3086_3086	3086	3086	204.995	-194.328	-0.16	2.82	11.239	-7486.18
3086_3087	3086	3087	-191.68	222.746	0.16	-2.82	-9.446	5075.822
3087_3087	3087	3087	191.679	-222.746	-0.184	-2.029	9.446	-5075.82
3087_3088	3087	3088	-178.376	251.138	0.184	2.029	-7.384	2348.751
3088_3088	3088	3088	178.376	-288.606	-0.186	-0.297	7.384	-2348.78
3088_3089	3088	3089	-163.646	323.98	0.186	0.297	-4.787	-2011.53
3089_3089	3089	3089	166.752	-322.23	-0.203	1.252	4.836	2062.353
3089_3090	3089	3090	-157.964	343.058	0.203	-1.253	-3.159	-4851.95
3090_3090	3090	3090	166.781	-383.601	0.018	-4.511	2.999	4852.576
3090_3091	3090	3091	-157.334	413.569	-0.018	4.502	-3.207	-9592.68
3091_3091	3091	3091	157.465	-409.726	-0.182	4.372	5.68	9655.789

3091_3092	3091	3092	-153.057	446.77	0.182	-4.381	-3.271	-15381.9
3092_3092	3092	3092	169.689	-488.419	0.893	-8.169	2.282	15383.76
3092_3093	3092	3093	-170.475	525.075	-0.893	8.192	-13.488	-21771.7
3093_3093	3093	3093	185.032	-519.975	0.87	8.896	15.302	21774.45
3093_3094	3093	3094	-188.878	558.84	-0.87	-8.87	-26.244	-28577.9
3094_3094	3094	3094	-2231.75	239.159	-4.124	-7.756	10.98	8109.404
3094_3095	3094	3095	2236.455	-213.844	4.124	7.756	28.218	-5977.5
3095_3095	3095	3095	-2238.32	213.855	0.828	5.537	-28.209	5986.571
3095_3096	3095	3096	2241.975	-193.822	-0.828	-5.537	21.798	-4424.42
3096_3096	3096	3096	-2241.98	193.822	0.915	5.713	-21.798	4424.418
3096_3097	3096	3097	2245.632	-173.764	-0.915	-5.713	14.704	-3015.66
3097_3097	3097	3097	-2245.65	129.877	-2.826	-2.169	-14.704	3015.715
3097_3098	3097	3098	2249.094	-109.172	2.826	2.169	37.318	-2074.54
3098_3098	3098	3098	-2249.1	109.172	0.057	0.944	-37.318	2074.54
3098_3099	3098	3099	2252.533	-88.494	-0.057	-0.944	36.863	-1299.96
3099_3099	3099	3099	-2252.53	88.494	0.135	1.004	-36.863	1299.955
3099_3100	3099	3100	2255.976	-67.79	-0.135	-1.004	35.784	-689.986
3100_3100	3100	3100	-2255.93	24.788	8.748	4.594	-35.784	689.96
3100_3101	3100	3101	2258.04	-9.261	-8.748	-4.594	-16.72	-597.427
3101_3101	3101	3101	-2258.04	9.261	8.748	4.594	16.72	597.427
3101_3102	3101	3102	2260.15	6.267	-8.748	-4.594	-69.224	-598.088
3102_3102	3102	3102	-2260.14	-6.267	-11.117	-5.845	69.224	598.086
3102_3103	3102	3103	2262.248	21.772	11.117	5.845	-2.594	-691.742
3103_3103	3103	3103	-2262.26	-21.772	-7.04	-3.484	2.594	691.748
3103_3104	3103	3104	2264.374	37.303	7.04	3.484	39.666	-878.709
3104_3104	3104	3104	-2264.37	-80.373	-1.494	-1.952	-39.666	878.712
3104_3105	3104	3105	2266.527	101.08	1.494	1.952	51.622	-1615.1
3105_3105	3105	3105	-2266.53	-101.08	1.377	0.916	-51.622	1615.102
3105_3106	3105	3106	2268.682	121.76	-1.377	-0.916	40.615	-2515.96
3106_3106	3106	3106	-2268.68	-121.76	1.466	1.04	-40.615	2515.962
3106_3107	3106	3107	2270.839	142.466	-1.466	-1.04	28.882	-3583.57
3107_3107	3107	3107	-2270.84	-185.812	0.855	-3.353	-28.882	3583.624
3107_3108	3107	3108	2272.705	205.87	-0.855	3.353	22.252	-5111.07
3108_3108	3108	3108	-2272.71	-205.87	0.768	-3.572	-22.252	5111.073
3108_3109	3108	3109	2274.566	225.903	-0.768	3.572	16.302	-6791.77
3109_3109	3109	3109	-2274.99	-225.905	3.219	4.588	-17.211	6793.87
3109_3110	3109	3110	2277.374	251.218	-3.219	-4.588	-13.381	-9072.63
3110_3110	3110	3110	175.442	541.888	-0.716	-20.513	30.002	29761.61
3110_3111	3110	3111	-158.747	-503.189	0.716	20.555	-21.002	-23237.6
3111_3111	3111	3111	144.733	508.47	-0.781	19.436	16.794	23235.56
3111_3112	3111	3112	-126.562	-472.016	0.781	-19.4	-6.989	-17130.8
3112_3112	3112	3112	110.813	435.815	-0.018	-3.338	8.907	17130.02
3112_3113	3112	3113	-93.752	-398.936	0.018	3.323	-8.663	-11625.5
3113_3113	3113	3113	530.161	397.777	-0.35	3.416	16.913	9220.531
3113_3114	3113	3114	-530.087	-368.002	0.35	-3.429	-12.801	-4797.94
3114_3114	3114	3114	521.78	324.956	-0.139	-0.142	12.894	4798.825
3114_3115	3114	3115	-506.709	-304.363	0.139	0.139	-11.748	-2285.82
3115_3115	3115	3115	562.823	307.043	-0.162	-0.25	11.735	1833.854
3115_3116	3115	3116	-511.733	-272.896	0.162	0.25	-9.389	2134.507
3116_3116	3116	3116	511.729	233.877	-0.045	6.973	9.389	-2134.5
3116_3117	3116	3117	-474.398	-207.409	0.045	-6.973	-8.879	4441.241
3117_3117	3117	3117	474.398	207.409	-0.114	-7.309	8.879	-4441.24
3117_3118	3117	3118	-437.101	-180.965	0.114	7.309	-7.602	6448.71
3118_3118	3118	3118	437.106	146.147	-0.011	9.455	7.602	-6448.75
3118_3119	3118	3119	-401.887	-119.703	0.011	-9.455	-7.484	7776.757

3119_3119	3119	3119	401.887	119.703	-0.079	-9.544	7.484	-7776.76
3119_3120	3119	3120	-366.669	-93.26	0.079	9.544	-6.592	8807.734
3120_3120	3120	3120	366.663	55.92	-0.179	4.741	6.592	-8807.7
3120_3121	3120	3121	-331.756	-27.499	0.179	-4.741	-4.433	9146.411
3121_3121	3121	3121	331.756	27.499	-0.211	-4.597	4.433	-9146.41
3121_3122	3121	3122	-296.848	0.921	0.211	4.597	-1.888	9142.056
3122_3122	3122	3122	296.848	-38.753	-0.101	4.598	1.888	-9142.05
3122_3123	3122	3123	-267.212	65.195	0.101	-4.598	-0.751	8417.126
3123_3123	3123	3123	267.212	-65.195	-0.136	-4.226	0.751	-8417.13
3123_3124	3123	3124	-237.549	91.661	0.136	4.226	0.777	7394.205
3124_3124	3124	3124	237.55	-128.778	-0.216	5.932	-0.777	-7394.21
3124_3125	3124	3125	-210.895	155.22	0.216	-5.932	3.202	5671.049
3125_3125	3125	3125	210.895	-155.22	-0.285	-5.432	-3.202	-5671.05
3125_3126	3125	3126	-184.241	181.661	0.285	5.432	6.401	3650.973
3126_3126	3126	3126	184.234	-219.886	-0.062	0.292	-6.401	-3650.98
3126_3127	3126	3127	-154.007	252.401	0.062	-0.292	7.256	242.364
3127_3127	3127	3127	157.743	-250.525	-0.103	0.134	-7.221	-201.603
3127_3128	3127	3128	-139.275	269.462	0.103	-0.134	8.073	-2031.84
3128_3128	3128	3128	146.705	-313.695	-0.352	-4.853	-8.239	2032.491
3128_3129	3128	3129	-128.503	341.003	0.352	4.843	12.375	-5987.58
3129_3129	3129	3129	132.306	-336.275	0.178	9.469	-11.415	6020.6
3129_3130	3129	3130	-127.156	372.082	-0.178	-9.513	9.053	-10796.5
3130_3130	3130	3130	141.753	-413.158	-0.038	-5.525	-10.152	10798.68
3130_3131	3130	3131	-145.33	448.563	0.038	5.664	10.645	-16254
3131_3131	3131	3131	161.415	-441.255	-0.067	6.943	-9.294	16258.3
3131_3132	3131	3132	-170.253	476.389	0.067	-6.789	10.098	-21690.6
3132_3132	3132	3132	-1959.23	218.416	25.274	14.915	-307.759	5686.215
3132_3133	3132	3133	1962.042	-191.885	-25.274	-14.915	47.438	-3586.82
3133_3133	3133	3133	-1969.73	191.883	22.625	9.779	-47.974	3624.24
3133_3134	3133	3134	1972.187	-173.632	-22.625	-9.779	-127.368	-2219.79
3134_3134	3134	3134	-1972.24	173.632	-2.09	-23.072	127.368	2219.708
3134_3135	3134	3135	1974.705	-155.309	2.09	23.072	-111.108	-951.985
3135_3135	3135	3135	-1974.9	114.775	-2.508	-0.177	111.108	952.404
3135_3136	3135	3136	1978.124	-95.933	2.508	0.177	-91.045	-124.434
3136_3136	3136	3136	-1978.12	95.933	-2.508	-0.177	91.045	124.434
3136_3137	3136	3137	1981.347	-77.091	2.508	0.177	-70.983	552.782
3137_3137	3137	3137	-1981.35	77.091	0.124	0.091	70.983	-552.782
3137_3138	3137	3138	1984.566	-58.273	-0.124	-0.091	-71.971	1078.671
3138_3138	3138	3138	-1984.54	17.509	-3.172	0.114	71.971	-1078.76
3138_3139	3138	3139	1986.371	-3.377	3.172	-0.114	-52.935	1132.479
3139_3139	3139	3139	-1986.37	3.377	-3.172	0.114	52.935	-1132.48
3139_3140	3139	3140	1988.202	10.754	3.172	-0.114	-33.898	1101.402
3140_3140	3140	3140	-1988.2	-10.754	0.389	-0.233	33.898	-1101.4
3140_3141	3140	3141	1990.035	24.885	-0.389	0.233	-36.235	985.529
3141_3141	3141	3141	-1990.03	-24.885	-3.172	-0.139	36.235	-985.529
3141_3142	3141	3142	1991.864	39.017	3.172	0.139	-17.198	784.853
3142_3142	3142	3142	-1991.87	-80.982	-2.277	-0.033	17.198	-784.923
3142_3143	3142	3143	1993.458	99.824	2.277	0.033	1.019	53.034
3143_3143	3143	3143	-1993.46	-99.824	0.395	1.16	-1.019	-53.034
3143_3144	3143	3144	1995.051	118.665	-0.395	-1.16	-2.138	-829.591
3144_3144	3144	3144	-1995.05	-118.665	-2.277	-1.19	2.138	829.591
3144_3145	3144	3145	1996.641	137.507	2.277	1.19	16.079	-1862.99
3145_3145	3145	3145	-1996.65	-181.504	-2.282	1.799	-16.079	1862.999
3145_3146	3145	3146	1998.005	199.757	2.282	-1.799	33.765	-3348.25
3146_3146	3146	3146	-1998	-199.757	-5.039	-3.986	-33.765	3348.248

3146_3147	3146	3147	1999.357	218.01	5.039	3.986	72.825	-4975.01
3147_3147	3147	3147	-1986.76	-218.014	-2.925	2.134	-72.66	4913.547
3147_3148	3147	3148	1988.095	242.487	2.925	-2.134	100.452	-7109.01
3148_3148	3148	3148	170.676	463.116	-0.143	-0.42	-3.837	23801.79
3148_3149	3148	3149	-148.754	-425.681	0.143	0.442	5.633	-18254.1
3149_3149	3149	3149	136.821	431.878	-0.144	-0.026	-5.669	18251.65
3149_3150	3149	3150	-114.196	-396.671	0.144	0.046	7.471	-13091.5
3150_3150	3150	3150	100.363	359.553	-0.925	-0.212	-7.449	13090.01
3150_3151	3150	3151	-81.549	-323.938	0.925	0.195	19.729	-8572.39
3151_3151	3151	3151	609.202	321.839	-0.21	-0.274	-6.993	5687.124
3151_3152	3151	3152	-604.513	-293.694	0.21	0.279	9.459	-2169.17
3152_3152	3152	3152	597.763	248.589	0.281	-0.868	-9.454	2169.873
3152_3153	3152	3153	-578.353	-229.166	-0.281	0.864	7.137	-301.486
3153_3153	3153	3153	610.073	232.595	0.266	0.147	-6.868	134.446
3153_3154	3153	3154	-555.229	-201.24	-0.266	-0.147	3.211	2609.343
3154_3154	3154	3154	555.246	159.358	0.105	3.219	-3.211	-2609.34
3154_3155	3154	3155	-514.576	-134.256	-0.105	-3.219	2.053	4048.175
3155_3155	3155	3155	514.576	134.256	0.056	-3.376	-2.053	-4048.18
3155_3156	3155	3156	-473.907	-109.154	-0.056	3.376	1.432	5210.836
3156_3156	3156	3156	473.901	73.442	0.17	0.016	-1.432	-5210.85
3156_3157	3156	3157	-438.721	-50.599	-0.17	-0.016	-0.27	5678.503
3157_3157	3157	3157	438.721	50.599	0.17	0.016	0.27	-5678.5
3157_3158	3157	3158	-403.54	-27.757	-0.17	-0.016	-1.972	5917.474
3158_3158	3158	3158	403.54	-5.519	0.007	0.17	1.972	-5917.46
3158_3159	3158	3159	-370.693	28.361	-0.007	-0.17	-2.045	5603.929
3159_3159	3159	3159	370.693	-28.361	0.006	0.052	2.045	-5603.93
3159_3160	3159	3160	-337.813	51.227	-0.006	-0.052	-2.109	5061.058
3160_3160	3160	3160	337.819	-88.391	0.027	2.443	2.109	-5061.07
3160_3161	3160	3161	-304.521	113.47	-0.027	-2.443	-2.403	3804.803
3161_3161	3161	3161	304.521	-113.47	-0.023	-2.099	2.403	-3804.8
3161_3162	3161	3162	-271.193	138.571	0.023	2.099	-2.15	2271.382
3162_3162	3162	3162	271.189	-178.634	0.126	0.302	2.15	-2271.36
3162_3163	3162	3163	-231.794	210.011	-0.126	-0.302	-3.889	-576.019
3163_3163	3163	3163	235.811	-207.35	0.18	-0.034	3.843	568.84
3163_3164	3163	3164	-213.003	226.793	-0.18	0.034	-5.327	-2461.88
3164_3164	3164	3164	219.593	-271.711	-0.095	1.71	5.386	2462.391
3164_3165	3164	3165	-193.935	299.795	0.095	-1.722	-4.266	-5956.82
3165_3165	3165	3165	185.323	-293.553	-0.34	-2.023	3.088	6050.644
3165_3166	3165	3166	-170.335	329.815	0.34	2.012	1.421	-10318.3
3166_3166	3166	3166	184.359	-375.793	0.315	-0.011	-1.302	10320.56
3166_3167	3166	3167	-182.175	411.579	-0.315	0.031	-2.648	-15360.5
3167_3167	3167	3167	193.678	-404.331	0.315	-0.093	2.647	15363.93
3167_3168	3167	3168	-199.237	442.288	-0.315	0.115	-6.607	-20775.7
3168_3168	3168	3168	-1844.86	245.214	-2.267	-3.869	17.519	5980.819
3168_3169	3168	3169	1851.585	-220.405	2.267	3.869	4.022	-3797.81
3169_3169	3169	3169	-1858.04	220.39	0.593	2.058	-4.618	3829.274
3169_3170	3169	3170	1863.926	-201.633	-0.593	-2.058	0.02	-2219.24
3170_3170	3170	3170	-1863.93	201.633	0.593	2.058	-0.02	2219.243
3170_3171	3170	3171	1869.817	-182.877	-0.593	-2.058	-4.578	-754.591
3171_3171	3171	3171	-1869.88	135.68	-0.382	-0.036	4.578	754.677
3171_3172	3171	3172	1875.703	-116.342	0.382	0.036	-1.529	226.965
3172_3172	3172	3172	-1875.7	116.342	-0.34	-0.027	1.529	-226.965
3172_3173	3172	3173	1881.537	-96.981	0.34	0.027	1.188	1055.018
3173_3173	3173	3173	-1881.54	96.981	-0.34	-0.027	-1.188	-1055.02
3173_3174	3173	3174	1887.372	-77.619	0.34	0.027	3.906	1728.158

3174_3174	3174	3174	-1887.37	33.275	1.858	-0.833	-3.906	-1728.23
3174_3175	3174	3175	1891.225	-18.754	-1.858	0.833	-7.241	1867.337
3175_3175	3175	3175	-1891.23	18.754	-1.579	0.909	7.241	-1867.34
3175_3176	3175	3176	1895.085	-4.232	1.579	-0.909	2.234	1919.304
3176_3176	3176	3176	-1895.09	4.232	1.858	-0.849	-2.234	-1919.31
3176_3177	3176	3177	1898.944	10.289	-1.858	0.849	-8.913	1884.134
3177_3177	3177	3177	-1898.94	-10.289	-1.579	0.78	8.913	-1884.13
3177_3178	3177	3178	1902.804	24.81	1.579	-0.78	0.562	1761.824
3178_3178	3178	3178	-1902.8	-69.616	-0.414	-0.293	-0.562	-1761.84
3178_3179	3178	3179	1907.163	88.978	0.414	0.293	3.878	1107.817
3179_3179	3179	3179	-1907.16	-88.978	-0.414	-0.293	-3.878	-1107.82
3179_3180	3179	3180	1911.524	108.339	0.414	0.293	7.195	298.878
3180_3180	3180	3180	-1911.52	-108.339	2.163	0.651	-7.195	-298.878
3180_3181	3180	3181	1915.884	127.701	-2.163	-0.651	-10.111	-664.954
3181_3181	3181	3181	-1915.94	-174.505	-2.209	-2.563	10.111	665.063
3181_3182	3181	3182	1920.179	193.238	2.209	2.563	6.986	-2107.6
3182_3182	3182	3182	-1920.18	-193.238	0.497	1.722	-6.986	2107.595
3182_3183	3182	3183	1924.426	211.994	-0.497	-1.722	3.138	-3697.25
3183_3183	3183	3183	-1912.02	-211.99	-0.089	0.303	-2.558	3636.707
3183_3184	3183	3184	1916.915	236.798	0.089	-0.303	3.406	-5790.74
3184_3184	3184	3184	160.369	453.06	-0.314	-0.109	1.174	20479.28
3184_3185	3184	3185	-132.399	-415.398	0.314	0.139	2.772	-15038
3185_3185	3185	3185	120.719	422.652	-0.314	-0.079	-2.776	15035.27
3185_3186	3185	3186	-93.18	-387.219	0.314	0.106	6.71	-9974.94
3186_3186	3186	3186	79.283	346.954	-0.131	-0.516	-6.675	9973.41
3186_3187	3186	3187	-58.213	-311.017	0.131	0.507	8.413	-5604.15
3187_3187	3187	3187	560.103	310.484	-0.182	-0.149	-0.079	2858.463
3187_3188	3187	3188	-558.472	-281.125	0.182	0.144	2.219	547.984
3188_3188	3188	3188	551.933	232.706	0.134	-1.278	-2.208	-547.017
3188_3189	3188	3189	-537.42	-212.403	-0.134	1.277	1.102	2303.506
3189_3189	3189	3189	555.555	216.092	0.141	0.368	-1.024	-2300.49
3189_3190	3189	3190	-513.208	-181.856	-0.141	-0.368	-0.91	4853.999
3190_3190	3190	3190	513.216	138.654	0.048	-0.237	0.91	-4854.03
3190_3191	3190	3191	-481.239	-111.246	-0.048	0.237	-1.437	6091.447
3191_3191	3191	3191	481.239	111.246	0.048	-0.237	1.437	-6091.45
3191_3192	3191	3192	-449.262	-83.837	-0.048	0.237	-1.965	7027.332
3192_3192	3192	3192	449.257	44.676	0.134	-0.1	1.965	-7027.29
3192_3193	3192	3193	-422.182	-19.585	-0.134	0.1	-3.318	7233.713
3193_3193	3193	3193	422.182	19.585	0.134	-0.1	3.318	-7233.71
3193_3194	3193	3194	-395.107	5.506	-0.134	0.1	-4.672	7187.441
3194_3194	3194	3194	395.127	-41.468	-0.172	0.062	4.672	-7187.47
3194_3195	3194	3195	-370.212	66.559	0.172	-0.062	-2.937	6534.581
3195_3195	3195	3195	370.212	-66.559	-0.172	0.062	2.937	-6534.58
3195_3196	3195	3196	-345.297	91.65	0.172	-0.062	-1.201	5628.998
3196_3196	3196	3196	345.272	-130.493	0.043	-2.13	1.201	-5628.97
3196_3197	3196	3197	-320.255	157.876	-0.043	2.13	-1.675	3933.673
3197_3197	3197	3197	320.255	-157.876	0.085	2.488	1.675	-3933.67
3197_3198	3197	3198	-295.216	185.285	-0.085	-2.488	-2.611	1935.415
3198_3198	3198	3198	295.227	-226.893	0.015	0.202	2.611	-1935.45
3198_3199	3198	3199	-265.596	261.153	-0.015	-0.202	-2.819	-1552.68
3199_3199	3199	3199	268.302	-258.126	0.003	0.425	2.726	1478.743
3199_3200	3199	3200	-249.846	279.335	-0.003	-0.425	-2.75	-3786.35
3200_3200	3200	3200	257.694	-324.172	0.601	-0.586	2.727	3787.263
3200_3201	3200	3201	-236.144	354.748	-0.601	0.577	-9.787	-7896.51
3201_3201	3201	3201	236.355	-347.307	0.313	1.597	11.703	7956.873

3201_3202	3201	3202	-226.701	387.934	-0.313	-1.608	-15.862	-12935
3202_3202	3202	3202	242.317	-431.701	0.648	0.53	15.844	12938.06
3202_3203	3202	3203	-241.398	471.636	-0.648	-0.496	-23.976	-18685.1
3203_3203	3203	3203	254.535	-463.392	0.648	-0.143	23.98	18689.6
3203_3204	3203	3204	-259.339	505.503	-0.648	0.182	-32.134	-24856.7
3204_3204	3204	3204	-2034.8	271.661	1.328	2.257	13.136	7604.971
3204_3205	3204	3205	2040.431	-243.794	-1.328	-2.257	-25.753	-5181.75
3205_3205	3205	3205	-2041.82	243.785	-0.942	-3.297	26.554	4938.386
3205_3206	3205	3206	2046.773	-222.533	0.942	3.297	-19.25	-3153.03
3206_3206	3206	3206	-2046.77	222.533	2.039	1.494	19.25	3153.029
3206_3207	3206	3207	2051.723	-201.281	-2.039	-1.494	-35.054	-1532.43
3207_3207	3207	3207	-2051.65	150.368	-4.921	-0.086	35.054	1532.499
3207_3208	3207	3208	2056.49	-128.43	4.921	0.086	4.315	-438.677
3208_3208	3208	3208	-2056.49	128.43	-4.967	-0.109	-4.315	438.677
3208_3209	3208	3209	2061.328	-106.52	4.967	0.109	44.011	478.583
3209_3209	3209	3209	-2061.33	106.52	-2.033	0.261	-44.011	-478.585
3209_3210	3209	3210	2066.176	-84.582	2.033	-0.261	60.273	1221.565
3210_3210	3210	3210	-2066.23	34.372	-2.668	0.326	-60.273	-1221.7
3210_3211	3210	3211	2069.381	-17.918	2.668	-0.326	76.283	1364.361
3211_3211	3211	3211	-2069.38	17.918	-2.668	0.326	-76.283	-1364.36
3211_3212	3211	3212	2072.534	-1.465	2.668	-0.326	92.292	1408.289
3212_3212	3212	3212	-2072.54	1.465	1.183	-0.455	-92.292	-1408.29
3212_3213	3212	3213	2075.688	14.988	-1.183	0.455	85.195	1353.486
3213_3213	3213	3213	-2075.69	-14.988	-2.668	0.152	-85.195	-1353.49
3213_3214	3213	3214	2078.84	31.441	2.668	-0.152	101.205	1199.947
3214_3214	3214	3214	-2078.94	-81.848	5.475	0.672	-101.205	-1199.94
3214_3215	3214	3215	2082.533	103.786	-5.475	-0.672	57.396	440.791
3215_3215	3215	3215	-2082.54	-103.786	2.587	-0.154	-57.396	-440.79
3215_3216	3215	3216	2086.127	125.723	-2.587	0.154	36.695	-493.898
3216_3216	3216	3216	-2086.13	-125.723	2.587	-0.154	-36.695	493.898
3216_3217	3216	3217	2089.715	147.661	-2.587	0.154	15.994	-1604.11
3217_3217	3217	3217	-2089.71	-197.724	2.567	-5.123	-15.994	1604.031
3217_3218	3217	3218	2093.101	218.976	-2.567	5.123	-3.9	-3234.69
3218_3218	3218	3218	-2093.11	-218.976	-0.415	-10.958	3.9	3234.678
3218_3219	3218	3219	2096.496	240.228	0.415	10.958	-0.687	-5030.09
3219_3219	3219	3219	-2088.59	-240.227	9.13	16.463	0.815	5248.012
3219_3220	3219	3220	2092.53	268.063	-9.13	-16.463	-87.466	-7678.78
3220_3220	3220	3220	225.554	520.083	-1.418	-35.088	38.911	24887.51
3220_3221	3220	3221	-201.481	-478.305	1.418	35.12	-21.067	-18631.9
3221_3221	3221	3221	188.038	486.516	-1.562	33.925	13.723	18628.47
3221_3222	3221	3222	-163.29	-446.972	1.562	-33.897	5.875	-12801.9
3222_3222	3222	3222	147.599	407.895	3.449	-2.227	-2.643	12799.26
3222_3223	3222	3223	-125.874	-367.629	-3.449	2.203	-43.143	-7671.33
3223_3223	3223	3223	634.435	367.403	0.292	1.764	5.417	4821.661
3223_3224	3223	3224	-625.978	-335.281	-0.292	-1.82	-8.852	-799.951
3224_3224	3224	3224	618.13	283.546	0.037	14.084	8.719	800.934
3224_3225	3224	3225	-597.144	-261.305	-0.037	-14.073	-9.025	1336.016
3225_3225	3225	3225	571.185	265.699	-0.129	-10.625	9.549	-1141.16
3225_3226	3225	3226	-514.166	-221.15	0.129	10.625	-7.493	4771.949
3226_3226	3226	3226	514.09	172.643	0.685	19.441	7.493	-4771.61
3226_3227	3226	3227	-472.035	-138.803	-0.685	-19.441	-15.788	6473.051
3227_3227	3227	3227	472.038	138.803	0.553	-19.073	15.788	-6473.06
3227_3228	3227	3228	-430.015	-104.989	-0.553	19.073	-22.473	7764.168
3228_3228	3228	3228	429.82	58.678	0.41	20.999	22.473	-7762.07
3228_3229	3228	3229	-391.188	-22.744	-0.41	-20.999	-27.43	8084.865

3229_3229	3229	3229	391.184	22.915	0.278	-20.352	27.43	-8084.86
3229_3230	3229	3230	-354.874	13.022	-0.278	20.352	-30.789	7984.356
3230_3230	3230	3230	354.758	-58.42	0.006	16.609	30.789	-7982.56
3230_3231	3230	3231	-321.682	94.865	-0.006	-16.609	-30.868	6894.411
3231_3231	3231	3231	321.685	-94.692	-0.125	-16.091	30.868	-6894.41
3231_3232	3231	3232	-291.021	131.113	0.125	16.091	-29.338	5372.041
3232_3232	3232	3232	290.914	-182.424	2.345	4.973	29.338	-5371.28
3232_3233	3232	3233	-273.867	205.707	-2.345	-4.973	-47.713	3772.15
3233_3233	3233	3233	273.879	-205.599	2.326	2.406	47.713	-3772.19
3233_3234	3233	3234	-258.566	227.752	-2.326	-2.406	-65.052	2085.65
3234_3234	3234	3234	268.152	-224.322	2.591	-4.973	70.262	-2118.18
3234_3235	3234	3235	-250.536	251.263	-2.591	5.008	-93.24	-78.018
3235_3235	3235	3235	256.515	-298.701	0.689	-4.434	93.203	78.053
3235_3236	3235	3236	-247.28	316.641	-0.689	4.392	-97.248	-1937.36
3236_3236	3236	3236	224.026	-313.388	2.271	-2.656	145.099	2076.912
3236_3237	3236	3237	-219.073	330.178	-2.271	2.569	-157.07	-3814.33
3237_3237	3237	3237	244.794	-324.787	1.501	7.681	158.201	3708.748
3237_3238	3237	3238	-243.446	361.883	-1.501	-7.94	-173.107	-7162.27
3238_3238	3238	3238	255.11	-400.532	-2.315	-14.043	171.795	7162.746
3238_3239	3238	3239	-260.75	439.971	2.315	13.882	-147.953	-11523.1
3239_3239	3239	3239	270.844	-432.547	-2.407	13.508	150.753	11526.76
3239_3240	3239	3240	-279.768	475.239	2.407	-13.708	-124.753	-16459.4
3240_3240	3240	3240	293.554	-492.591	-37.904	-30.387	119.889	16455.55
3240_3241	3240	3241	-300.925	522.662	37.904	30.728	159.765	-20214.9
3241_3241	3241	3241	-1952.61	350.967	-13.571	4.06	395.644	6274.872
3241_3242	3241	3242	1967.796	-316.455	13.571	-4.06	-266.766	-3168.55
3242_3242	3242	3242	-1964.17	316.541	-5.649	17.796	268.213	3150.923
3242_3243	3242	3243	1975.823	-289.039	5.649	-17.796	-224.854	-875.381
3243_3243	3243	3243	-1973.25	227.641	-35.831	0.32	224.854	874.173
3243_3244	3243	3244	1983.652	-193.528	35.831	-0.32	116.263	1087.07
3244_3244	3244	3244	-1983.74	193.65	-30.921	-0.003	-116.263	-1087.02
3244_3245	3244	3245	1993.383	-157.449	30.921	0.003	428.652	2819.868
3245_3245	3245	3245	-1994.21	110.089	-12.991	5.726	-428.652	-2819.16
3245_3246	3245	3246	2002.009	-74.455	12.991	-5.726	557.845	3703.373
3246_3246	3246	3246	-2002.04	74.577	-3.952	-4.576	-557.845	-3703.42
3246_3247	3246	3247	2008.287	-39.902	3.952	4.576	596.086	4230.105
3247_3247	3247	3247	-2008.28	-10.213	-0.325	5.65	-596.086	-4229.31
3247_3248	3247	3248	2012.548	43.131	0.325	-5.65	599.074	3965.078
3248_3248	3248	3248	-2012.56	-43.01	7.237	-3.32	-599.074	-3964.95
3248_3249	3248	3249	2015.977	80.394	-7.237	3.32	523.568	3305.107
3249_3249	3249	3249	-2014.5	-122.482	-18.309	0.525	-523.568	-3304.69
3249_3250	3249	3250	2015.951	159.119	18.309	-0.525	710.765	1856.839
3250_3250	3250	3250	-2015.98	-158.998	-11.746	-0.721	-710.765	-1856.93
3250_3251	3250	3251	2016.02	192.695	11.746	0.721	821.225	200.835
3251_3251	3251	3251	-2019.43	-233.748	77.469	-9.232	-821.225	-201.328
3251_3252	3251	3252	2016.892	263.856	-77.469	9.232	170.278	-1881.29
3252_3252	3252	3252	-2016.62	-263.752	84.97	2.06	-170.278	1881.31
3252_3253	3252	3253	2013.082	293.942	-84.97	-2.06	-545.619	-4218.71
3253_3253	3253	3253	-2009.52	-293.837	87.842	9.325	545.504	4202.036
3253_3254	3253	3254	2005.408	321.686	-87.842	-9.325	-1218.63	-6546
3254_3254	3254	3254	-2001.06	-354.091	-37.609	-102.317	1218.631	6541.423
3254_3255	3254	3255	1998.374	365.955	37.609	102.317	-1095.85	-7706.81
3255_3255	3255	3255	286.614	475.064	-53.698	-5.129	825.244	21420.43
3255_3256	3255	3256	-262.011	-433.856	53.698	4.71	-272.703	-16778.8
3256_3256	3256	3256	245.214	447.07	-53.849	48.255	266.157	16772.7

3256_3257	3256	3257	-226.549	-415.248	53.849	-48.521	175.316	-13268
3257_3257	3257	3257	213.738	382.42	11.774	-26.413	-168.289	13261.78
3257_3258	3257	3258	-191.859	-344.987	-11.774	26.802	51.814	-9698.18
3258_3258	3258	3258	184.936	351.172	11.675	1.377	-53.891	9696.557
3258_3259	3258	3259	-167.48	-319.178	-11.675	-1.111	-46.767	-6833.52
3259_3259	3259	3259	108.107	324.403	12.309	32.677	53.905	7124.658
3259_3260	3259	3260	-101.76	-314.421	-12.309	-32.613	-92.819	-6124.23
3260_3260	3260	3260	649.893	251.738	0.434	11.855	21.716	3237.049
3260_3261	3260	3261	-679.681	-226.955	-0.434	-11.918	-24.971	-1335.46
3261_3261	3261	3261	675.29	235.259	0.301	3.748	25.272	1334.783
3261_3262	3261	3262	-697.234	-204.814	-0.301	-3.78	-28.082	806.973
3262_3262	3262	3262	724.12	210.497	-0.128	-17.08	26.222	-1133.67
3262_3263	3262	3263	-733.208	-186.015	0.128	17.08	-25.242	2700.257
3263_3263	3263	3263	733.159	128.672	0.91	12.635	25.242	-2699.71
3263_3264	3263	3264	-748.278	-92.661	-0.91	-12.635	-35.489	4024.644
3264_3264	3264	3264	748.252	92.831	0.746	-11.232	35.489	-4024.54
3264_3265	3264	3265	-766.319	-55.168	-0.746	11.232	-44.283	4987.73
3265_3265	3265	3265	766.272	5.948	0.724	20.825	44.283	-4987.53
3265_3266	3265	3266	-787.964	31.188	-0.724	-20.825	-52.698	4946.935
3266_3266	3266	3266	787.968	-31.017	0.482	-20.401	52.698	-4946.95
3266_3267	3266	3267	-811.5	67.558	-0.482	20.401	-58.213	4497.038
3267_3267	3267	3267	811.497	-116.73	0.649	13.636	58.213	-4497.03
3267_3268	3267	3268	-839.367	153.834	-0.649	-13.636	-65.752	3058.511
3268_3268	3268	3268	839.372	-153.664	0.47	-13.487	65.752	-3058.53
3268_3269	3268	3269	-869.029	190.234	-0.47	13.487	-71.134	1230.443
3269_3269	3269	3269	869.006	-242.941	-0.364	10.281	71.134	-1230.23
3269_3270	3269	3270	-905.461	281.951	0.364	-10.281	-66.697	-1803.87
3270_3270	3270	3270	905.45	-281.771	-0.608	-11.036	66.697	1803.879
3270_3271	3270	3271	-944	320.415	0.608	11.036	-59.35	-5266.43
3271_3271	3271	3271	944.305	-376.089	6.034	-2.091	59.35	5266.11
3271_3272	3271	3272	-967.987	398.243	-6.034	2.091	-101.171	-7841.02
3272_3272	3272	3272	896.164	-391.954	6.22	-5.347	92.941	8457.35
3272_3273	3272	3273	-904.768	424.444	-6.22	5.396	-151.661	-12241.6
3273_3273	3273	3273	912.869	-414.443	6.022	3.731	151.887	12240.92
3273_3274	3273	3274	-894.214	443.239	-6.022	-3.623	-201.48	-15784.6
3274_3274	3274	3274	900.444	-492.766	-29.016	-23.27	200.496	15786.41
3274_3275	3274	3275	-893.11	501.02	29.016	23.175	-132.934	-16950.9
3275_3275	3275	3275	791.402	-497.846	-30.717	-19.263	124.682	17596.68
3275_3276	3275	3276	-761.987	532.53	30.717	18.708	141.691	-22103.5
3276_3276	3276	3276	771.809	-524.023	-30.892	25.718	-139.115	22103.61
3276_3277	3276	3277	-734.643	559.854	30.892	-26.42	408.372	-26896.2
3277_3277	3277	3277	363.156	-575.411	44.765	-75.087	-767.954	29365.51
3277_3278	3277	3278	-368.451	619.035	-44.765	74.667	299.812	-35629.7
3278_3278	3278	3278	389.338	-605.506	44.665	14.547	-291.951	35636.63
3278_3279	3278	3279	-395.831	647.297	-44.665	-15.018	-139.691	-41711.5
3279_3279	3279	3279	-2980.18	502.673	25.766	139.225	497.149	14553.74
3279_3280	3279	3280	2987.515	-486.758	-25.766	-139.225	-603.426	-12542.5
3280_3280	3280	3280	-2988.22	372.547	-75.552	-32.679	603.426	12543.83
3280_3281	3280	3281	2995.759	-348.34	75.552	32.679	-129.45	-10312.5
3281_3281	3281	3281	-3001.18	348.42	-65.189	-4.194	132.401	10600.6
3281_3282	3281	3282	3012.047	-313.508	65.189	4.194	496.899	-7449.92
3282_3282	3282	3282	-3012.19	313.623	-55.409	19.71	-496.899	7449.734
3282_3283	3282	3283	3020.516	-283.39	55.409	-19.71	960.109	-4988.34
3283_3283	3283	3283	-3077.2	254.035	13.651	-6.196	-959.786	5255.706
3283_3284	3283	3284	3093.071	-215.674	-13.651	6.196	791.012	-2418.56

3284_3284	3284	3284	-3092.98	215.804	26.188	5.727	-791.012	2418.508
3284_3285	3284	3285	3106.595	-178.803	-26.188	-5.727	478.735	-123.039
3285_3285	3285	3285	-3106.76	82.324	5.337	-0.59	-478.735	123.075
3285_3286	3285	3286	3111.259	-45.587	-5.337	0.59	415.545	615.027
3286_3286	3286	3286	-3111.17	45.706	19.301	0.714	-415.545	-615.183
3286_3287	3286	3287	3113.778	-13.391	-19.301	-0.714	214.528	911.513
3287_3287	3287	3287	-3113.69	-32.206	26.024	-1.415	-214.528	-911.509
3287_3288	3287	3288	3116.277	67.253	-26.024	1.415	-79.419	337.816
3288_3288	3288	3288	-3116.16	-67.134	37.084	0.937	79.419	-337.857
3288_3289	3288	3289	3117.246	101.066	-37.084	-0.937	-484.958	-587.802
3289_3289	3289	3289	-3117.76	-187.203	-14.834	-8.211	484.958	587.714
3289_3290	3289	3290	3116.486	213.156	14.834	8.211	-360.882	-2258.27
3290_3290	3290	3290	-3116.5	-213.07	-7.737	-0.889	360.882	2258.241
3290_3291	3290	3291	3114.554	237.453	7.737	0.889	-300.084	-4021.87
3291_3291	3291	3291	-3107.31	-237.378	-1.213	9.515	300.416	3713.833
3291_3292	3291	3292	3104.571	263.743	1.213	-9.515	-290.852	-5679.12
3292_3292	3292	3292	-3104.76	-327.922	-10.82	-19.623	290.852	5679.653
3292_3293	3292	3293	3103.748	336.319	10.82	19.623	-263.691	-6509.79
3293_3293	3293	3293	298.644	895.072	-9.451	-54.427	51.596	29839.32
3293_3294	3293	3294	-283.644	-862.814	9.451	54.444	28.549	-22442.1
3294_3294	3294	3294	252.621	873.414	-9.498	46.195	-39.064	22437.75
3294_3295	3294	3295	-233.728	-837.348	9.498	-46.178	132.329	-14110.7
3295_3295	3295	3295	207.047	767.399	4.745	-24.23	-126.66	14109.73
3295_3296	3295	3296	-187.493	-728.55	-4.745	24.2	74.947	-6024.92
3296_3296	3296	3296	169.868	734.247	4.698	9.564	-76.616	6023.381
3296_3297	3296	3297	-155.823	-705.305	-4.698	-9.577	37.735	-115.488
3297_3297	3297	3297	119.122	709.038	4.51	18.786	-34.054	241.375
3297_3298	3297	3298	-111.873	-695.851	-4.51	-18.788	14.583	2763.834
3298_3298	3298	3298	36.633	614.081	-0.026	7.918	16.278	-2394.32
3298_3299	3298	3299	-27.897	-589.081	0.026	-7.926	-16.066	7314.13
3299_3299	3299	3299	25.594	589.853	-0.057	0.151	16.1	-7314.33
3299_3300	3299	3300	-19.504	-567.251	0.057	-0.151	-15.673	11599.04
3300_3300	3300	3300	61.872	567.459	0.319	-16.641	11.683	-11837.7
3300_3301	3300	3301	-56.883	-542.689	-0.319	16.641	-13.951	15760.32
3301_3301	3301	3301	56.792	463.246	-0.181	36.235	13.951	-15760.5
3301_3302	3301	3302	-48.921	-421.133	0.181	-36.235	-11.759	21067.9
3302_3302	3302	3302	48.918	421.239	-0.236	-32.346	11.759	-21067.9
3302_3303	3302	3303	-42.39	-378.733	0.236	32.346	-8.885	25916.95
3303_3303	3303	3303	42.391	299.116	1.744	40.787	8.885	-25917.9
3303_3304	3303	3304	-38.62	-254.39	-1.744	-40.787	-31.269	29453.72
3304_3304	3304	3304	38.653	254.495	1.701	-39.15	31.269	-29453.9
3304_3305	3304	3305	-36.619	-214.607	-1.701	39.15	-50.74	32130.56
3305_3305	3305	3305	36.574	140.659	-0.083	56.064	50.74	-32131.6
3305_3306	3305	3306	-37.519	-94.534	0.083	-56.064	-49.644	33694.72
3306_3306	3306	3306	37.562	94.639	-0.136	-58.299	49.644	-33695
3306_3307	3306	3307	-39.633	-56.149	0.136	58.299	-48.146	34539.37
3307_3307	3307	3307	39.612	-14.541	1.313	55.231	48.146	-34540.7
3307_3308	3307	3308	-45.344	58.348	-1.313	-55.231	-64.647	34112.15
3308_3308	3308	3308	45.366	-58.242	1.265	-50.187	64.647	-34112.3
3308_3309	3308	3309	-52.062	99.031	-1.265	50.187	-79.452	33225.88
3309_3309	3309	3309	52.041	-171.23	-0.908	47.579	79.452	-33226.8
3309_3310	3309	3310	-62.492	212.594	0.908	-47.579	-68.671	31001.06
3310_3310	3310	3310	62.481	-212.489	-0.95	-36.296	68.671	-31001
3310_3311	3310	3311	-74.855	255.756	0.95	36.296	-56.877	28155.7
3311_3311	3311	3311	74.896	-317.969	4.389	38.542	56.877	-28156.7

3311_3312	3311	3312	-89.283	360.173	-4.389	-38.542	-110.025	24121.2
3312_3312	3312	3312	89.3	-360.067	4.345	-31.011	110.025	-24121.2
3312_3313	3312	3313	-105.159	402.45	-4.345	31.011	-162.854	19562.22
3313_3313	3313	3313	105.066	-499.272	-4.711	25.536	162.854	-19562.8
3313_3314	3313	3314	-128.357	543.577	4.711	-25.536	-102.972	13047.86
3314_3314	3314	3314	128.335	-543.467	-4.764	-17.753	102.972	-13047.9
3314_3315	3314	3315	-153.051	587.564	4.764	17.753	-42.7	6012.928
3315_3315	3315	3315	153.253	-628.529	-5.218	-1.729	42.7	-6014.3
3315_3316	3315	3316	-171.332	657.052	5.218	1.729	0	841.948
3400_3020	3400	3020	2645.234	-242.53	-8.499	0.786	-276.489	-3455
3400_3401	3400	3401	-2646.28	246.519	8.499	-0.786	311.307	2453.194
3401_3401	3401	3401	2642.931	-238.75	24.531	-1.92	-300.365	-2453.28
3401_3402	3401	3402	-2643.84	242.142	-24.531	1.92	214.815	1614.74
3402_3402	3402	3402	2648.926	-178.625	19.858	0.329	-215.65	-1614.63
3402_3403	3402	3403	-2652.02	189.174	-19.858	-0.329	-1.172	-393.261
3403_3403	3403	3403	2646.894	-111.248	0.925	-0.653	1.465	393.255
3403_3404	3403	3404	-2649.15	118.141	-0.925	0.653	-8.126	-1219.51
3404_3404	3404	3404	2651.155	-57.63	-1.189	0.142	8.455	1219.512
3404_3405	3404	3405	-2653.57	64.482	1.189	-0.142	0.127	-1660.14
3405_3405	3405	3405	2652.315	24.633	0.845	-0.348	-0.331	1660.143
3405_3406	3405	3406	-2657.62	-11.131	-0.845	0.348	-11.848	-1402.47
3406_3406	3406	3406	2655.941	100.591	0.02	-0.734	12.45	1402.473
3406_3407	3406	3407	-2659.5	-92.414	-0.02	0.734	-12.623	-547.897
3407_3407	3407	3407	2657.07	146.308	-5.083	0.036	13.077	547.887
3407_3408	3407	3408	-2659.52	-140.962	5.083	-0.036	15.192	250.977
3408_3408	3408	3408	2636.223	-421.725	8.436	-0.109	-15.711	-251.008
3408_3409	3408	3409	-2636.92	424.841	-8.436	0.109	-9.753	-1026.61
3409_3409	3409	3409	2631.488	403.565	0.096	-0.684	9.929	1026.222
3409_3410	3409	3410	-2630.79	-400.44	-0.096	0.684	-10.22	190.678
3410_3410	3410	3410	2652.834	-164.352	3.688	-1.307	8.687	-190.666
3410_3411	3410	3411	-2650.38	169.689	-3.688	1.307	-29.171	-736.908
3411_3411	3411	3411	2653.395	-113.191	-2.953	-0.117	28.35	736.941
3411_3412	3411	3412	-2649.84	121.376	2.953	0.117	-2.178	-1776.4
3412_3412	3412	3412	2655.699	-32.692	0.182	-0.597	1.371	1776.418
3412_3413	3412	3413	-2650.39	46.197	-0.182	0.597	-3.994	-2344.9
3413_3413	3413	3413	2655.941	42.32	2.881	-2.44	3.191	2344.938
3413_3414	3413	3414	-2653.53	-35.471	-2.881	2.44	-23.97	-2064.38
3414_3414	3414	3414	2651.99	96.988	-2.501	1.245	22.52	2064.4
3414_3415	3414	3415	-2649.73	-90.09	2.501	-1.245	-4.493	-1390.19
3415_3415	3415	3415	2657.245	168.243	-10.867	-1.148	5.199	1390.206
3415_3416	3415	3416	-2654.15	-157.695	10.867	1.148	113.455	389.142
3416_3416	3416	3416	2649.668	220.545	-11.748	1.409	-113.415	-389.153
3416_3417	3416	3417	-2648.76	-217.157	11.748	-1.409	154.337	1151.524
3417_3417	3417	3417	2651.845	227.014	-17.301	-1.594	-158.398	-1151.58
3417_3036	3417	3036	-2650.8	-223.02	17.301	1.594	229.362	2074.549
3420_3056	3420	3056	2182.541	-225.452	-7.398	0.987	-107.552	-3722.76
3420_3421	3420	3421	-2183.47	228.984	7.398	-0.987	137.837	2792.539
3421_3421	3421	3421	2180.16	-223.397	10.696	-0.485	-131.974	-2792.54
3421_3422	3421	3422	-2180.96	226.401	-10.696	0.485	94.687	2008.528
3422_3422	3422	3422	2185.727	-174.583	9.524	0.659	-94.995	-2008.51
3422_3423	3422	3423	-2188.47	183.935	-9.524	-0.659	-9.047	50.23
3423_3423	3423	3423	2184.996	-119.751	0.699	0.11	7.893	-50.233
3423_3424	3423	3424	-2186.99	125.858	-0.699	-0.11	-12.926	-834.282
3424_3424	3424	3424	2189.296	-75.911	-1.486	0.658	13.222	834.277
3424_3425	3424	3425	-2191.44	81.981	1.486	-0.658	-2.501	-1403.93

3425_3425	3425	3425	2190.892	-9.679	0.198	0.338	2.265	1403.934
3425_3426	3425	3426	-2195.59	21.65	-0.198	-0.338	-5.117	-1629.77
3426_3426	3426	3426	2194.562	52.336	0.24	0.061	5.557	1629.779
3426_3427	3426	3427	-2197.71	-45.095	-0.24	-0.061	-7.677	-1198.59
3427_3427	3427	3427	2196.333	89.927	-1.189	0.67	8.029	1198.59
3427_3428	3427	3428	-2198.52	-85.165	1.189	-0.67	-1.42	-712.049
3428_3428	3428	3428	2173.075	-382.407	-4.041	-0.208	2.472	712.07
3428_3429	3428	3429	-2173.7	385.194	4.041	0.208	9.764	-1874.33
3429_3429	3429	3429	2175.459	389.169	2.091	0.719	-9.88	1877.057
3429_3430	3429	3430	-2174.84	-386.391	-2.091	-0.719	3.568	-706.289
3430_3430	3430	3430	2201.409	-80.495	-0.942	1.063	-3.909	706.289
3430_3431	3430	3431	-2199.22	85.257	0.942	-1.063	9.146	-1166.83
3431_3431	3431	3431	2200.521	-39.338	1.848	-0.215	-8.484	1166.838
3431_3432	3431	3432	-2197.37	46.587	-1.848	0.215	-7.892	-1547.47
3432_3432	3432	3432	2199.065	26.48	-0.247	0.225	7.321	1547.512
3432_3433	3432	3433	-2194.36	-14.513	0.247	-0.225	-3.766	-1252.11
3433_3433	3433	3433	2195.183	86.913	-0.009	0.543	4.258	1252.131
3433_3434	3433	3434	-2193.04	-80.845	0.009	-0.543	-4.194	-647.131
3434_3434	3434	3434	2190.567	131.835	2.089	-0.187	4.413	647.13
3434_3435	3434	3435	-2188.57	-125.722	-2.089	0.187	-19.472	281.25
3435_3435	3435	3435	2192.043	189.314	-17.614	0.172	21.499	-281.251
3435_3436	3435	3436	-2189.3	-179.967	17.614	-0.172	170.811	2297.203
3436_3436	3436	3436	2184.214	233.44	-21.573	0.061	-169.613	-2297.29
3436_3437	3436	3437	-2183.41	-230.429	21.573	-0.061	244.974	3107.502
3437_3437	3437	3437	2187.395	233.509	-7.847	-1.33	-254.555	-3107.59
3437_3072	3437	3072	-2186.47	-229.98	7.847	1.33	286.656	4055.645
3440_3094	3440	3094	2503.351	-210.241	-8.531	0.499	-38.198	-2356.78
3440_3441	3440	3441	-2504.27	213.742	8.531	-0.499	73.144	1488.365
3441_3441	3441	3441	2499.091	-207.025	5.643	-0.781	-69.158	-1488.37
3441_3442	3441	3442	-2499.89	210.004	-5.643	0.781	49.466	760.749
3442_3442	3442	3442	2504.243	-149.342	5.489	0.371	-49.485	-760.749
3442_3443	3442	3443	-2506.96	158.597	-5.489	-0.371	-10.433	-919.858
3443_3443	3443	3443	2505.173	-85.5	-0.722	0.334	10.56	919.858
3443_3444	3443	3444	-2507.15	91.555	0.722	-0.334	-5.354	-1558.09
3444_3444	3444	3444	2508.603	-33.275	-0.242	-0.09	5.255	1558.09
3444_3445	3444	3445	-2510.72	39.286	0.242	0.09	-3.507	-1819.8
3445_3445	3445	3445	2509.669	44.58	0.116	0.073	4.417	1819.807
3445_3446	3445	3446	-2514.33	-32.727	-0.116	-0.073	-6.084	-1262.7
3446_3446	3446	3446	2512.392	117.749	-0.039	0.18	7.805	1262.71
3446_3447	3446	3447	-2515.51	-110.572	0.039	-0.18	-7.457	-251.665
3447_3447	3447	3447	2512.707	162.241	2.574	-0.228	7.342	251.668
3447_3448	3447	3448	-2514.88	-157.52	-2.574	0.228	-21.648	637.097
3448_3448	3448	3448	2499.557	-376.819	-11.942	3.849	23.275	-637.126
3448_3449	3448	3449	-2500.17	379.577	11.942	-3.849	12.833	-506.446
3449_3449	3449	3449	2499.87	375.299	11.953	-3.881	-12.825	506.784
3449_3450	3449	3450	-2499.25	-372.55	-11.953	3.881	-23.211	620.533
3450_3450	3450	3450	2516.47	-160.036	-1.69	0.148	21.58	-620.516
3450_3451	3450	3451	-2514.3	164.758	1.69	-0.148	-12.185	-282.365
3451_3451	3451	3451	2517.158	-113.025	-0.899	-0.19	12.223	282.364
3451_3452	3451	3452	-2514.04	120.203	0.899	0.19	-4.263	-1315.32
3452_3452	3452	3452	2519.189	-35.422	0.064	-0.115	2.93	1315.329
3452_3453	3452	3453	-2514.53	47.276	-0.064	0.115	-3.852	-1911.34
3453_3453	3453	3453	2518.596	36.485	0.717	-0.227	2.702	1911.348
3453_3454	3453	3454	-2516.48	-30.474	-0.717	0.227	-7.878	-1669.83
3454_3454	3454	3454	2515.088	88.934	0.211	-0.07	7.759	1669.831

3454_3455	3454	3455	-2513.11	-82.879	-0.211	0.07	-9.277	-1050.47
3455_3455	3455	3455	2517.949	156.054	-4.307	-0.211	9.232	1050.47
3455_3456	3455	3456	-2515.24	-146.799	4.307	0.211	37.782	602.298
3456_3456	3456	3456	2510.935	207.714	-6.659	0.128	-37.622	-602.308
3456_3457	3456	3457	-2510.14	-204.736	6.659	-0.128	60.857	1321.882
3457_3457	3457	3457	2515.64	211.094	4.003	-0.588	-64.431	-1321.86
3457_3110	3457	3110	-2514.72	-207.594	-4.003	0.588	48.033	2179.369
3460_3132	3460	3132	2198.113	-309.154	-24.301	-1.323	235.309	-4079.93
3460_3461	3460	3461	-2199.03	313.387	24.301	1.323	-116.185	2554.094
3461_3461	3461	3461	2206.113	-213.13	-11.967	0.037	112.21	-2554.11
3461_3462	3461	3462	-2206.91	216.108	11.967	-0.037	-70.467	1805.494
3462_3462	3462	3462	2211.468	-163.095	-9.986	0	70.932	-1805.48
3462_3463	3462	3463	-2214.18	172.355	9.986	0	38.12	-26.145
3463_3463	3463	3463	2243.892	-111.715	2.753	-0.141	-37.689	25.98
3463_3464	3463	3464	-2245.87	117.768	-2.753	0.141	17.848	-852.995
3464_3464	3464	3464	2248.001	-65.539	2.978	0.188	-17.877	852.995
3464_3465	3464	3465	-2250.12	71.548	-2.978	-0.188	-3.599	-1347.31
3465_3465	3465	3465	2284.787	-5.279	0.025	-0.117	0.707	1347.366
3465_3466	3465	3466	-2289.44	17.129	-0.025	0.117	-1.071	-1508.82
3466_3466	3466	3466	2331.904	44.316	1.887	-0.111	-1.256	1508.703
3466_3467	3466	3467	-2335.02	-37.14	-1.887	0.111	-15.455	-1148.05
3467_3467	3467	3467	2333.765	85.15	1.524	-0.253	15.53	1148.051
3467_3468	3467	3468	-2335.93	-80.43	-1.524	0.253	-24.003	-687.906
3468_3468	3468	3468	2354.773	-448.412	1.507	3.5	22.319	687.901
3468_3469	3468	3469	-2355.39	451.169	-1.507	-3.5	-26.874	-2047.77
3469_3469	3469	3469	2357.563	448.65	1.187	-3.578	13.33	2056.185
3469_3470	3469	3470	-2356.95	-445.893	-1.187	3.578	-16.92	-703.997
3470_3470	3470	3470	2340.102	-83.286	-1.557	0.256	18.399	704.004
3470_3471	3470	3471	-2337.93	88.006	1.557	-0.256	-9.748	-1180.02
3471_3471	3471	3471	2339.249	-39.91	-1.193	-0.126	9.83	1180.022
3471_3472	3471	3472	-2336.13	47.086	1.193	0.126	0.733	-1565.2
3472_3472	3472	3472	2298.063	16.049	0.08	-0.037	0.913	1565.136
3472_3473	3472	3473	-2293.41	-4.19	-0.08	0.037	-2.065	-1419.22
3473_3473	3473	3473	2263.998	72.076	-0.094	-0.194	2.635	1419.219
3473_3474	3473	3474	-2261.88	-66.066	0.094	0.194	-1.96	-921.083
3474_3474	3474	3474	2259.731	118.617	-0.343	-0.136	1.921	921.083
3474_3475	3474	3475	-2257.75	-112.564	0.343	0.136	0.551	-87.931
3475_3475	3475	3475	2233.562	175.951	1.061	-1.155	-0.149	87.938
3475_3476	3475	3476	-2230.85	-166.69	-1.061	1.155	-11.441	1783.155
3476_3476	3476	3476	2226.197	220.186	6.372	2.94	10.243	-1783.16
3476_3477	3476	3477	-2225.4	-217.207	-6.372	-2.94	-32.473	2546.11
3477_3477	3477	3477	2229.332	221.67	-2.57	-0.085	35.467	-2546.04
3477_3148	3477	3148	-2228.41	-218.17	2.57	0.085	-24.941	3446.644
3480_3168	3480	3168	2144.953	-240.272	32.303	0.673	-95.861	-4522.83
3480_3481	3480	3481	-2145.87	243.772	-32.303	-0.673	-36.431	3531.676
3481_3481	3481	3481	2143.685	-239.11	-4.304	-2.213	29.627	-3531.61
3481_3482	3481	3482	-2144.48	242.088	4.304	2.213	-14.613	2692.287
3482_3482	3482	3482	2149.673	-190.584	-1.522	1.014	15.604	-2692.28
3482_3483	3482	3483	-2152.39	199.845	1.522	-1.014	1.021	560.206
3483_3483	3483	3483	2191.025	-139.317	0.342	0.198	-4.299	-560.222
3483_3484	3483	3484	-2193	145.37	-0.342	-0.198	1.831	-465.762
3484_3484	3484	3484	2195.833	-93.349	0.632	0.179	-1.848	465.761
3484_3485	3484	3485	-2197.95	99.349	-0.632	-0.179	-2.702	-1159.72
3485_3485	3485	3485	2243.54	-35.687	0.91	0.023	-1.152	1159.604
3485_3486	3485	3486	-2248.2	47.546	-0.91	-0.023	-11.976	-1759.68

3486_3486	3486	3486	2304.748	12.586	-2.83	-0.315	7.304	1759.566
3486_3487	3486	3487	-2307.87	-5.411	2.83	0.315	17.754	-1679.88
3487_3487	3487	3487	2307.267	52.868	-3.186	0.307	-17.638	1679.884
3487_3488	3487	3488	-2309.44	-48.148	3.186	-0.307	35.347	-1399.16
3488_3488	3488	3488	2338.021	-478.687	5.379	-5.605	-41.843	1399.163
3488_3489	3488	3489	-2338.64	481.444	-5.379	5.605	25.58	-2850.57
3489_3489	3489	3489	2340.394	482.278	0.136	5.847	0.641	2855.421
3489_3490	3489	3490	-2339.78	-479.521	-0.136	-5.847	-1.052	-1401.5
3490_3490	3490	3490	2309.591	-47.667	0.101	0.242	3.087	1401.372
3490_3491	3490	3491	-2307.42	52.387	-0.101	-0.242	-3.646	-1679.42
3491_3491	3491	3491	2308.013	-4.927	0.457	-0.092	3.762	1679.422
3491_3492	3491	3492	-2304.89	12.102	-0.457	0.092	-7.809	-1754.82
3492_3492	3492	3492	2247.062	48.419	-0.996	-0.098	12.326	1754.791
3492_3493	3492	3493	-2242.41	-36.56	0.996	0.098	2.037	-1142.12
3493_3493	3493	3493	2195.483	101.318	-0.583	-0.285	2.184	1142.187
3493_3494	3493	3494	-2193.36	-95.309	0.583	0.285	2.022	-433.153
3494_3494	3494	3494	2190.618	145.314	-0.776	-0.2	-2.041	433.153
3494_3495	3494	3495	-2188.64	-139.27	0.776	0.2	7.626	591.106
3495_3495	3495	3495	2149.294	200.743	1.495	0.727	-4.789	-591.118
3495_3496	3495	3496	-2146.58	-191.481	-1.495	-0.727	-11.542	2733.001
3496_3496	3496	3496	2141.371	242.91	-1.282	-3.205	12.532	-2733
3496_3497	3496	3497	-2140.58	-239.932	1.282	3.205	-8.06	3575.184
3497_3497	3497	3497	2143.226	244.387	-24.234	-0.582	11.162	-3575.18
3497_3184	3497	3184	-2142.31	-240.887	24.234	0.582	88.081	4568.814
3500_3204	3500	3204	2396.569	-242.177	-16.689	0.537	-14.728	-3958.49
3500_3501	3500	3501	-2397.66	246.316	16.689	-0.537	83.073	2958.264
3501_3501	3501	3501	2395.303	-240.939	8.186	1.937	-77.289	-2958.44
3501_3502	3501	3502	-2396.24	244.461	-8.186	-1.937	48.732	2111.748
3502_3502	3502	3502	2401.429	-186.887	4.622	-0.101	-49.611	-2111.73
3502_3503	3502	3503	-2404.64	197.84	-4.622	0.101	-0.871	10.787
3503_3503	3503	3503	2399.563	-128.334	0.913	-0.144	1.477	-10.791
3503_3504	3503	3504	-2401.9	135.493	-0.913	0.144	-8.061	-940.011
3504_3504	3504	3504	2404.404	-79.616	-2.117	0.867	8.478	940.007
3504_3505	3504	3505	-2406.91	86.723	2.117	-0.867	6.786	-1539.81
3505_3505	3505	3505	2403.657	-7.63	0.384	0.232	-7.049	1539.845
3505_3506	3505	3506	-2409.16	21.645	-0.384	-0.232	1.515	-1750.77
3506_3506	3506	3506	2406.003	58.44	1.621	0.173	-1.038	1750.755
3506_3507	3506	3507	-2409.69	-49.954	-1.621	-0.173	-13.315	-1270.84
3507_3507	3507	3507	2408.155	99.496	1.246	0.094	13.405	1270.836
3507_3508	3507	3508	-2410.7	-93.96	-1.246	-0.094	-20.329	-733.222
3508_3508	3508	3508	2379.25	-417.019	-0.04	1.954	21.198	733.2
3508_3509	3508	3509	-2379.97	420.253	0.04	-1.954	-21.076	-1998.88
3509_3509	3509	3509	2379.752	419.407	-5.608	-2.084	21.105	1998.565
3509_3510	3509	3510	-2379.03	-416.174	5.608	2.084	-4.15	-735.504
3510_3510	3510	3510	2408.315	-94.648	-0.289	0.117	4.919	735.553
3510_3511	3510	3511	-2405.77	100.184	0.289	-0.117	-3.314	-1276.99
3511_3511	3511	3511	2407.324	-50.691	0.086	-0.148	3.402	1276.99
3511_3512	3511	3512	-2403.64	59.177	-0.086	0.148	-4.164	-1763.43
3512_3512	3512	3512	2404.986	21.599	-0.088	-0.159	4.404	1763.443
3512_3513	3512	3513	-2399.48	-7.573	0.088	0.159	-3.132	-1553.12
3513_3513	3513	3513	2400.147	86.058	0.486	-0.153	2.874	1553.129
3513_3514	3513	3514	-2397.64	-78.951	-0.486	0.153	-6.378	-958.112
3514_3514	3514	3514	2395.156	134.654	0.222	-0.193	6.338	958.112
3514_3515	3514	3515	-2392.82	-127.494	-0.222	0.193	-7.938	-13.359
3515_3515	3515	3515	2397.127	197.011	-10.708	-0.415	7.89	13.365

3515_3516	3515	3516	-2393.92	-186.058	10.708	0.415	109.06	2078.493
3516_3516	3516	3516	2388.763	243.431	-11.674	1.338	-108.808	-2078.51
3516_3517	3516	3517	-2387.82	-239.909	11.674	-1.338	149.533	2921.565
3517_3517	3517	3517	2389.238	243.572	-0.535	-1.821	-151.575	-2921.56
3517_3220	3517	3220	-2388.15	-239.444	0.535	1.821	153.761	3908.178
3520_3241	3520	3241	2379.937	-317.8	-16.741	41.897	-551.869	-7114.48
3520_3521	3520	3521	-2381.25	322.766	16.741	-41.897	620.364	5804.04
3521_3521	3521	3521	2365.497	-321.104	47.727	2.876	-611.684	-5811.33
3521_3522	3521	3522	-2366.63	325.329	-47.727	-2.876	445.394	4685.178
3522_3522	3522	3522	2373.782	-269.145	41.983	1.7	-448.636	-4684.87
3522_3523	3522	3523	-2377.64	282.301	-41.983	-1.7	-9.847	1673.813
3523_3523	3523	3523	2381.715	-206.218	2.376	1.014	5.377	-1673.34
3523_3524	3523	3524	-2384.53	214.822	-2.376	-1.014	-22.508	155.306
3524_3524	3524	3524	2388.931	-158.427	-5.332	-0.031	22.344	-155.333
3524_3525	3524	3525	-2391.94	166.957	5.332	0.031	16.083	-1017.18
3525_3525	3525	3525	2392.24	-85.753	-0.665	-0.406	-18.496	1016.384
3525_3526	3525	3526	-2398.86	102.601	0.665	0.406	28.087	-2374.39
3526_3526	3526	3526	2399.083	-20.962	1.489	-3.308	-27.854	2371.77
3526_3527	3526	3527	-2403.51	31.157	-1.489	3.308	14.67	-2602.54
3527_3527	3527	3527	2403.633	19.457	-4.413	3.368	-11.808	2602.554
3527_3528	3527	3528	-2406.66	-12.868	4.413	-3.368	36.308	-2512.82
3528_3528	3528	3528	2356.825	-498.934	6.809	-6.977	-38.273	2512.659
3528_3529	3528	3529	-2357.69	502.798	-6.809	6.977	17.634	-4030.75
3529_3529	3529	3529	2355.723	491.499	-1.585	4.674	-17.126	4029.49
3529_3530	3529	3530	-2354.86	-487.647	1.585	-4.674	21.916	-2550.03
3530_3530	3530	3530	2402.146	-20.65	10.037	-4.858	-20.995	2549.32
3530_3531	3530	3531	-2399.12	27.24	-10.037	4.858	-34.741	-2682.29
3531_3531	3531	3531	2399.171	23.631	4.131	1.038	31.749	2682.326
3531_3532	3531	3532	-2394.74	-13.431	-4.131	-1.038	-68.351	-2518.15
3532_3532	3532	3532	2396.816	90.395	-0.618	-0.971	64.485	2516.715
3532_3533	3532	3533	-2390.2	-73.553	0.618	0.971	-55.576	-1335.08
3533_3533	3533	3533	2391.815	148.355	-0.632	0.147	53.889	1334.935
3533_3534	3533	3534	-2388.8	-139.825	0.632	-0.147	-49.336	-296.476
3534_3534	3534	3534	2384.814	196.439	-2.161	-0.828	49.262	296.487
3534_3535	3534	3535	-2382	-187.832	2.161	0.828	-33.676	1089.376
3535_3535	3535	3535	2391.398	252.554	-16.369	3.56	36.411	-1087.69
3535_3536	3535	3536	-2387.55	-239.407	16.369	-3.56	142.241	3772.284
3536_3536	3536	3536	2380.864	297.977	-25.529	-7.963	-138.108	-3772.43
3536_3537	3536	3537	-2379.73	-293.74	25.529	7.963	227.284	4805.904
3537_3537	3537	3537	2353.15	454.461	-17.137	-41.402	-233.198	-4815.51
3537_3255	3537	3255	-2351.84	-447.702	17.137	41.402	327.18	7289.259
3540_3279	3540	3279	3502.665	-476.849	20.937	103.093	-317.187	-4754.24
3540_3541	3540	3541	-3504.07	483.42	-20.937	-103.093	213.029	2365.644
3541_3541	3541	3541	3518.859	-314.833	24.42	0.502	-203.412	-2412.28
3541_3542	3541	3542	-3520.08	319.379	-24.42	-0.502	118.346	1307.634
3542_3542	3542	3542	3526.652	-236.402	19.096	1.275	-118.891	-1307.58
3542_3543	3542	3543	-3530.8	250.564	-19.096	-1.275	-89.717	-1352.22
3543_3543	3543	3543	3558.306	-143.32	-5.131	-2.052	84.539	1349.476
3543_3544	3543	3544	-3561.33	152.57	5.131	2.052	-47.575	-2415.32
3544_3544	3544	3544	3563.906	-69.839	-9.253	-0.343	48.508	2415.304
3544_3545	3544	3545	-3567.15	79.023	9.253	0.343	18.202	-2951.89
3545_3545	3545	3545	3552.994	34.361	-2.24	-1.575	-16.992	2946.619
3545_3546	3545	3546	-3560.11	-16.23	2.24	1.575	49.29	-2581.87
3546_3546	3546	3546	3540.728	130.929	12.977	-1.775	-47.431	2578.029
3546_3547	3546	3547	-3545.5	-119.95	-12.977	1.775	-67.552	-1466.59

3547_3547	3547	3547	3542.11	196.331	4.343	0.256	69.103	1466.52
3547_3548	3547	3548	-3545.36	-189.264	-4.343	-0.256	-93.202	-396.643
3548_3548	3548	3548	3514.08	-563.988	-22.641	0.24	98.343	389.154
3548_3549	3548	3549	-3515.01	568.134	22.641	-0.24	-29.726	-2104.67
3549_3549	3549	3549	3533.621	581.619	-21.903	-3.539	30.578	2107.803
3549_3550	3549	3550	-3532.67	-577.558	21.903	3.539	34.599	-383.072
3550_3550	3550	3550	3553.366	-194.715	17.186	-3.192	-31.361	385.546
3550_3551	3550	3551	-3549.93	201.87	-17.186	3.192	-65.933	-1508.12
3551_3551	3551	3551	3553.64	-121.118	5.311	0.273	63.598	1508.224
3551_3552	3551	3552	-3548.95	131.48	-5.311	-0.273	-108.315	-2571.54
3552_3552	3552	3552	3552.046	5.768	-1.255	-2.042	107.001	2570.192
3552_3553	3552	3553	-3544.91	11.872	1.255	2.042	-89.325	-2613.18
3553_3553	3553	3553	3546.411	116.432	-5.526	-3.381	86.87	2611.383
3553_3554	3553	3554	-3543.18	-107.49	5.526	3.381	-47.985	-1823.47
3554_3554	3554	3554	3539.2	198.945	-14.466	0.076	46.323	1823.52
3554_3555	3554	3555	-3536.2	-189.916	14.466	-0.076	55.558	-454.192
3555_3555	3555	3555	3538.728	313.198	-17.901	-1.211	-56.869	452.65
3555_3556	3555	3556	-3534.69	-299.388	17.901	1.211	247.553	2809.928
3556_3556	3556	3556	3525.057	397.097	-16.358	6.908	-247.825	-2809.9
3556_3557	3556	3557	-3523.88	-392.622	16.358	-6.908	303.847	4162.197
3557_3557	3557	3557	3491.305	541.552	3.829	-3.835	-304.963	-4164.03
3557_3293	3557	3293	-3489.44	-533.008	-3.829	3.835	280.174	7642.137
4000_4000	4000	4000	7.115	14.996	0.08	0.013	0	-8.868
4000_4001	4000	4001	-21.397	7.334	-0.08	-0.013	-1.105	76.57
4001_4001	4001	4001	21.396	-7.334	0.08	-0.018	1.105	-76.57
4001_4002	4001	4002	-31.883	23.73	-0.08	0.018	-1.916	-70.153
4002_4002	4002	4002	31.893	21.74	-0.097	0.029	1.916	70.089
4002_4003	4002	4003	-28.608	-2.099	0.097	-0.029	-0.741	71.438
4003_4003	4003	4003	28.607	2.099	-0.097	-0.029	0.741	-71.439
4003_4004	4003	4004	-25.323	17.541	0.097	0.029	0.435	-25.716
4004_4004	4004	4004	25.337	19.865	0.028	-0.002	-0.435	25.511
4004_4005	4004	4005	-25.557	-0.22	-0.028	0.002	0.09	96.863
4005_4005	4005	4005	25.557	0.22	0.028	-0.002	-0.09	-96.863
4005_4006	4005	4006	-25.777	19.425	-0.028	0.002	-0.255	-19.558
4006_4006	4006	4006	25.789	19.9	-0.007	0.043	0.255	19.46
4006_4007	4006	4007	-25.489	-0.271	0.007	-0.043	-0.164	102.734
4007_4007	4007	4007	25.489	0.271	-0.007	-0.05	0.164	-102.734
4007_4008	4007	4008	-25.189	19.372	0.007	0.05	-0.073	-13.646
4008_4008	4008	4008	25.188	19.502	0.004	-0.008	0.073	13.689
4008_4009	4008	4009	-24.963	0.148	-0.004	0.008	-0.118	103.713
4009_4009	4009	4009	24.963	-0.148	0.004	0.002	0.118	-103.713
4009_4010	4009	4010	-24.738	19.781	-0.004	-0.002	-0.163	-17.584
4010_4010	4010	4010	24.718	19.23	0.002	-0.008	0.163	17.833
4010_4011	4010	4011	-25.218	0.42	-0.002	0.008	-0.188	97.028
4011_4011	4011	4011	25.218	-0.42	0.002	0.002	0.188	-97.028
4011_4012	4011	4012	-25.717	20.053	-0.002	-0.002	-0.212	-26.808
4012_4012	4012	4012	25.724	18.762	-0.01	-0.037	0.212	26.811
4012_4013	4012	4013	-22.97	0.89	0.01	0.037	-0.09	78.775
4013_4013	4013	4013	22.97	-0.89	-0.01	0.032	0.09	-78.775
4013_4014	4013	4014	-20.219	20.528	0.01	-0.032	0.033	-54.419
4014_4014	4014	4014	20.224	18.714	0.028	0.002	-0.033	54.352
4014_4015	4014	4015	-38.242	7.628	-0.028	-0.002	-0.419	55.465
4015_4015	4015	4015	38.179	-7.63	0.028	-0.014	0.419	-55.37
4015_4016	4015	4016	-47.3	20.971	-0.028	0.014	-0.647	-52.827
4016_4016	4016	4016	17.142	19.751	-0.02	-0.01	0.701	102.349

4016_4017	4016	4017	-21.075	-1.033	0.02	0.01	-0.464	24.022
4017_4017	4017	4017	21.075	1.033	-0.02	0	0.464	-24.022
4017_4018	4017	4018	-25.51	20.073	0.02	0	-0.194	-97.33
4018_4018	4018	4018	25.508	19.589	0.049	0.002	0.194	97.295
4018_4019	4018	4019	-23.68	0.316	-0.049	-0.002	-0.809	21.482
4019_4019	4019	4019	23.681	-0.316	0.05	-0.015	0.809	-21.482
4019_4020	4019	4020	-21.853	20.22	-0.05	0.015	-1.428	-108.462
4020_4020	4020	4020	21.794	20.896	-0.023	-0.008	1.428	108.42
4020_4021	4020	4021	-22.418	-5.76	0.023	0.008	-1.212	18.77
4021_4021	4021	4021	22.399	5.759	-0.023	0.002	1.213	-18.749
4021_4022	4021	4022	-22.909	6.591	0.023	-0.002	-1.034	15.966
4022_4022	4022	4022	22.909	-6.591	-0.023	-0.016	1.034	-15.966
4022_4023	4022	4023	-23.417	18.924	0.023	0.016	-0.86	-82.368
4023_4023	4023	4023	23.416	19.46	-0.104	-0.009	0.86	82.432
4023_4024	4023	4024	-23.36	-6.711	0.104	0.009	-0.026	22.241
4024_4024	4024	4024	23.36	6.711	-0.104	-0.009	0.026	-22.241
4024_4025	4024	4025	-23.305	6.039	0.104	0.009	0.808	24.863
4025_4025	4025	4025	23.305	-6.039	-0.104	-0.006	-0.808	-24.863
4025_4026	4025	4026	-23.249	18.773	0.104	0.006	1.641	-74.379
4026_4026	4026	4026	23.25	18.965	-0.014	-0.037	-1.641	74.381
4026_4027	4026	4027	-23.315	-9.407	0.014	0.037	1.727	10.776
4027_4027	4027	4027	23.315	9.407	-0.014	-0.037	-1.727	-10.776
4027_4028	4027	4028	-23.381	0.15	0.014	0.037	1.813	38.589
4028_4028	4028	4028	23.38	-0.15	-0.015	0.027	-1.813	-38.589
4028_4029	4028	4029	-23.446	9.709	0.015	-0.027	1.903	9.047
4029_4029	4029	4029	23.446	-9.709	-0.014	0.012	-1.903	-9.047
4029_4030	4029	4030	-23.511	19.266	0.014	-0.012	1.989	-77.84
4030_4030	4030	4030	23.512	18.347	0.06	-0.008	-1.989	77.788
4030_4031	4030	4031	-23.776	-5.604	-0.06	0.008	1.512	18.212
4031_4031	4031	4031	23.776	5.604	0.06	-0.008	-1.512	-18.212
4031_4032	4031	4032	-24.04	7.14	-0.06	0.008	1.035	12.266
4032_4032	4032	4032	24.04	-7.14	0.06	-0.008	-1.035	-12.266
4032_4033	4032	4033	-24.304	19.883	-0.06	0.008	0.557	-95.625
4033_4033	4033	4033	24.307	18.897	0.045	-0.005	-0.557	95.63
4033_4034	4033	4034	-23.839	-6.559	-0.045	0.005	0.211	2.544
4034_4034	4034	4034	23.839	6.559	0.045	-0.005	-0.211	-2.544
4034_4035	4034	4035	-23.371	5.794	-0.045	0.005	-0.137	5.102
4035_4035	4035	4035	23.371	-5.794	0.045	-0.007	0.137	-5.102
4035_4036	4035	4036	-22.798	20.899	-0.045	0.007	-0.565	-121.962
4036_4036	4036	4036	22.767	20.788	-0.015	-0.008	0.565	121.956
4036_4037	4036	4037	-24.27	-0.85	0.015	0.008	-0.373	14.864
4037_4037	4037	4037	24.27	0.85	-0.015	-0.005	0.373	-14.864
4037_4038	4037	4038	-25.771	19.056	0.015	0.005	-0.18	-97.489
4038_4038	4038	4038	25.773	14.336	-0.161	-0.006	0.18	97.6
4038_4039	4038	4039	-17.429	6.776	0.161	0.006	1.96	-56.6
4039_4039	4039	4039	58.465	-4.007	-0.002	-0.005	-0.175	-8.816
4039_4040	4039	4040	-106.779	22.367	0.002	0.005	0.195	-93.874
4040_4040	4040	4040	106.781	19.07	0.025	-0.018	-0.195	93.965
4040_4041	4040	4041	-109.383	-6.171	-0.025	0.018	-0.01	13.505
4041_4041	4041	4041	109.383	6.171	0.025	0.002	0.01	-13.504
4041_4042	4041	4042	-114.386	18.623	-0.025	-0.002	-0.404	-78.907
4042_4042	4042	4042	114.387	20.441	-0.014	-0.006	0.404	78.928
4042_4043	4042	4043	-105.389	-1.775	0.014	0.006	-0.241	43.872
4043_4043	4043	4043	105.389	1.775	-0.014	-0.001	0.241	-43.872
4043_4044	4043	4044	-96.398	16.876	0.014	0.001	-0.078	-56.095

4044_4044	4044	4044	96.384	19.524	0.003	0	0.078	56.224
4044_4045	4044	4045	-89.609	-0.858	-0.003	0	-0.11	58.18
4045_4045	4045	4045	89.609	0.858	0.003	0	0.11	-58.18
4045_4046	4045	4046	-82.833	17.808	-0.003	0	-0.143	-50.361
4046_4046	4046	4046	82.836	19.149	0.004	0.003	0.143	50.363
4046_4047	4046	4047	-76.068	-0.491	-0.004	-0.003	-0.188	59.549
4047_4047	4047	4047	76.068	0.491	0.004	0.003	0.188	-59.549
4047_4048	4047	4048	-69.301	18.168	-0.004	-0.003	-0.232	-53.296
4048_4048	4048	4048	69.29	18.661	-0.014	0.004	0.232	53.419
4048_4049	4048	4049	-61.422	0.013	0.014	-0.004	-0.063	49.319
4049_4049	4049	4049	61.422	-0.013	-0.014	0.008	0.063	-49.319
4049_4050	4049	4050	-53.559	18.672	0.014	-0.008	0.107	-70.879
4050_4050	4050	4050	53.583	18.159	0.023	0.011	-0.107	70.679
4050_4051	4050	4051	-49.818	6.605	-0.023	-0.011	-0.251	17.34
4051_4051	4051	4051	49.764	-6.605	0.023	-0.002	0.25	-17.26
4051_4052	4051	4052	-47.804	19.504	-0.023	0.002	-0.437	-92.316
4052_4052	4052	4052	47.806	19.62	-0.034	0.007	0.437	92.401
4052_4053	4052	4053	-26.455	-1.251	0.034	-0.007	-0.04	4.979
4053_4053	4053	4053	25.988	2.254	-0.033	0.006	0.127	-5.036
4053_4054	4053	4054	-28.552	17.812	0.033	-0.006	0.316	-95.374
4054_4054	4054	4054	28.545	18.503	0.061	0.006	-0.316	95.242
4054_4055	4054	4055	-28.742	0.432	-0.061	-0.006	-0.452	18.323
4055_4055	4055	4055	28.742	-0.432	0.061	0.006	0.452	-18.323
4055_4056	4055	4056	-28.939	19.366	-0.061	-0.006	-1.221	-104.816
4056_4056	4056	4056	28.958	19.905	-0.051	0.002	1.221	104.827
4056_4057	4056	4057	-29.086	-5.526	0.051	-0.002	-0.736	15.844
4057_4057	4057	4057	29.068	5.526	-0.051	0.008	0.735	-15.824
4057_4058	4057	4058	-29.172	6.212	0.051	-0.008	-0.339	13.126
4058_4058	4058	4058	29.172	-6.212	-0.051	0.008	0.339	-13.126
4058_4059	4058	4059	-29.277	17.95	0.051	-0.008	0.056	-80.536
4059_4059	4059	4059	29.277	18.873	-0.087	-0.001	-0.056	80.53
4059_4060	4059	4060	-28	-6.746	0.087	0.001	0.749	20.659
4060_4060	4060	4060	28	6.746	-0.087	0.022	-0.749	-20.659
4060_4061	4060	4061	-26.725	5.368	0.087	-0.022	1.442	24.794
4061_4061	4061	4061	26.725	-5.368	-0.087	-0.004	-1.442	-24.794
4061_4062	4061	4062	-25.45	17.481	0.087	0.004	2.134	-67.94
4062_4062	4062	4062	25.449	18.323	0.004	0.022	-2.134	67.988
4062_4063	4062	4063	-24.824	-9.231	-0.004	-0.022	2.109	14.01
4063_4063	4063	4063	24.825	9.231	0.004	0.038	-2.109	-14.01
4063_4064	4063	4064	-24.2	-0.138	-0.004	-0.038	2.083	41.431
4064_4064	4064	4064	24.2	0.138	0.004	-0.019	-2.083	-41.431
4064_4065	4064	4065	-23.576	8.939	-0.004	0.019	2.058	14.36
4065_4065	4065	4065	23.576	-8.939	0.004	-0.02	-2.058	-14.36
4065_4066	4065	4066	-22.951	18.031	-0.004	0.02	2.033	-67.287
4066_4066	4066	4066	22.952	17.999	0.102	0.012	-2.033	67.297
4066_4067	4066	4067	-21.7	-5.874	-0.102	-0.012	1.219	26.808
4067_4067	4067	4067	21.7	5.874	0.102	0.013	-1.219	-26.808
4067_4068	4067	4068	-20.45	6.236	-0.102	-0.013	0.407	23.917
4068_4068	4068	4068	20.45	-6.236	0.102	-0.01	-0.407	-23.917
4068_4069	4068	4069	-19.198	18.36	-0.102	0.01	-0.406	-75.966
4069_4069	4069	4069	19.195	17.714	0.031	0.004	0.406	75.914
4069_4070	4069	4070	-19.374	-5.984	-0.031	-0.004	-0.649	16.202
4070_4070	4070	4070	19.374	5.984	0.031	0.004	0.649	-16.202
4070_4071	4070	4071	-19.553	5.761	-0.031	-0.004	-0.893	17.421
4071_4071	4071	4071	19.531	-5.761	0.031	0.009	0.897	-17.403

4071_4072	4071	4072	-19.75	20.147	-0.031	-0.009	-1.196	-105.197
4072_4072	4072	4072	19.745	20.152	-0.002	-0.004	1.196	105.206
4072_4073	4072	4073	-19.311	-1.22	0.002	0.004	-1.169	27.493
4073_4073	4073	4073	19.312	1.22	-0.002	0.013	1.169	-27.493
4073_4074	4073	4074	-18.878	17.713	0.002	-0.013	-1.142	-76.448
4074_4074	4074	4074	18.881	14.424	-0.269	-0.015	1.142	76.498
4074_4075	4074	4075	0.718	5.646	0.269	0.015	2.422	-39.736
4075_4075	4075	4075	44.837	-2.999	-0.01	0.025	0.112	-33.335
4075_4076	4075	4076	-87.826	20.404	0.01	-0.025	0	-54.703
4076_4076	4076	4076	87.832	17.729	0.022	0.01	0	54.857
4076_4077	4076	4077	-85.588	-5.506	-0.022	-0.01	-0.184	38.547
4077_4077	4077	4077	85.512	5.506	0.022	-0.003	0.186	-38.419
4077_4078	4077	4078	-81.595	15.84	-0.022	0.003	-0.508	-40.299
4078_4078	4078	4078	81.61	17.693	-0.02	0.001	0.508	40.175
4078_4079	4078	4079	-78.198	-1.064	0.02	-0.001	-0.281	61.046
4079_4079	4079	4079	78.198	1.064	-0.02	0.001	0.281	-61.046
4079_4080	4079	4080	-74.786	15.565	0.02	-0.001	-0.054	-24.382
4080_4080	4080	4080	74.814	16.736	0.004	0.001	0.054	24.166
4080_4081	4080	4081	-72.186	-0.11	-0.004	-0.001	-0.102	67.265
4081_4081	4081	4081	72.186	0.11	0.004	0.001	0.102	-67.265
4081_4082	4081	4082	-69.557	16.515	-0.004	-0.001	-0.149	-27.872
4082_4082	4082	4082	69.552	18.048	-0.001	-0.034	0.149	27.939
4082_4083	4082	4083	-66.552	-0.178	0.001	0.034	-0.134	78.397
4083_4083	4083	4083	66.552	0.178	-0.001	0.038	0.134	-78.397
4083_4084	4083	4084	-63.553	17.693	0.001	-0.038	-0.119	-30.836
4084_4084	4084	4084	63.557	16.733	-0.003	0.033	0.119	30.838
4084_4085	4084	4085	-61.016	-0.111	0.003	-0.033	-0.091	60.598
4085_4085	4085	4085	61.016	0.111	-0.002	-0.028	0.091	-60.598
4085_4086	4085	4086	-58.473	16.525	0.002	0.028	-0.063	-34.622
4086_4086	4086	4086	58.494	16.204	0.007	0.027	0.063	34.455
4086_4087	4086	4087	-55.042	0.418	-0.007	-0.027	-0.145	49.896
4087_4087	4087	4087	55.042	-0.418	0.007	-0.021	0.145	-49.896
4087_4088	4087	4088	-51.591	17.039	-0.007	0.021	-0.227	-52.24
4088_4088	4088	4088	51.571	14.959	-0.015	-0.005	0.227	52.433
4088_4089	4088	4089	-53.733	5.573	0.015	0.005	-0.022	15.156
4089_4089	4089	4089	53.681	-5.573	-0.015	0.009	0.022	-15.082
4089_4090	4089	4090	-54.966	17.789	0.015	-0.009	0.099	-79.725
4090_4090	4090	4090	54.962	17.925	-0.003	0.001	-0.099	79.912
4090_4091	4090	4091	-36.176	-0.506	0.003	-0.001	0.134	5.495
4091_4091	4091	4091	36.09	1.388	0.015	0	-0.231	-5.755
4091_4092	4091	4092	-40.475	17.946	-0.015	0	0.03	-99.34
4092_4092	4092	4092	40.469	18.094	0.008	-0.001	-0.03	99.205
4092_4093	4092	4093	-39.728	0.142	-0.008	0.001	-0.075	12.615
4093_4093	4093	4093	39.728	-0.142	0.008	-0.001	0.075	-12.615
4093_4094	4093	4094	-38.987	18.378	-0.008	0.001	-0.18	-103.444
4094_4094	4094	4094	38.935	19.109	-0.024	-0.002	0.18	103.414
4094_4095	4094	4095	-39.238	-5.239	0.024	0.002	0.044	12.464
4095_4095	4095	4095	39.171	5.239	-0.024	0.005	-0.046	-12.38
4095_4096	4095	4096	-39.419	6.076	0.024	-0.005	0.23	9.271
4096_4096	4096	4096	39.419	-6.076	-0.024	-0.005	-0.23	-9.271
4096_4097	4096	4097	-39.666	17.376	0.024	0.005	0.412	-81.398
4097_4097	4097	4097	39.667	18.034	0.016	-0.001	-0.412	81.401
4097_4098	4097	4098	-38.943	-6.355	-0.016	0.001	0.283	15.349
4098_4098	4098	4098	38.943	6.355	0.016	0	-0.283	-15.349
4098_4099	4098	4099	-38.219	5.31	-0.016	0	0.154	18.682

4099_4099	4099	4099	38.219	-5.31	0.016	-0.001	-0.154	-18.682
4099_4100	4099	4100	-37.494	16.989	-0.016	0.001	0.025	-71.392
4100_4100	4100	4100	37.493	17.541	-0.005	0.005	-0.025	71.384
4100_4101	4100	4101	-37.172	-8.781	0.005	-0.005	0.056	7.22
4101_4101	4101	4101	37.172	8.781	-0.005	-0.003	-0.056	-7.22
4101_4102	4101	4102	-36.851	-0.022	0.005	0.003	0.086	33.242
4102_4102	4102	4102	36.851	0.022	-0.005	-0.002	-0.086	-33.242
4102_4103	4102	4103	-36.531	8.722	0.005	0.002	0.116	6.777
4103_4103	4103	4103	36.531	-8.722	-0.005	-0.002	-0.116	-6.777
4103_4104	4103	4104	-36.21	17.482	0.005	0.002	0.146	-72.265
4104_4104	4104	4104	36.21	17.186	-0.011	0.011	-0.146	72.268
4104_4105	4104	4105	-35.642	-5.507	0.011	-0.011	0.236	17.79
4105_4105	4105	4105	35.642	5.507	-0.011	-0.006	-0.236	-17.79
4105_4106	4105	4106	-35.076	6.157	0.011	0.006	0.326	14.435
4106_4106	4106	4106	35.075	-6.157	-0.011	-0.007	-0.326	-14.435
4106_4107	4106	4107	-34.508	17.836	0.011	0.007	0.416	-82.336
4107_4107	4107	4107	34.508	17.172	0.018	0.001	-0.416	82.354
4107_4108	4107	4108	-34.304	-5.857	-0.018	-0.001	0.277	6.852
4108_4108	4108	4108	34.304	5.857	0.018	-0.003	-0.277	-6.852
4108_4109	4108	4109	-34.101	5.442	-0.018	0.003	0.137	8.39
4109_4109	4109	4109	34.124	-5.442	0.018	0.002	-0.139	-8.416
4109_4110	4109	4110	-33.874	19.311	-0.018	-0.002	-0.031	-109.298
4110_4110	4110	4110	33.87	19.144	0.013	0.005	0.031	109.301
4110_4111	4110	4111	-34.557	-0.898	-0.013	-0.005	-0.198	16.242
4111_4111	4111	4111	34.556	0.898	0.013	-0.005	0.198	-16.242
4111_4112	4111	4112	-35.242	17.334	-0.013	0.005	-0.365	-86.189
4112_4112	4112	4112	35.243	13.655	-0.108	0.001	0.365	86.215
4112_4113	4112	4113	-19.791	5.686	0.108	-0.001	1.07	-50.816
4113_4113	4113	4113	61.118	-3.377	-0.005	-0.002	0.115	-15.986
4113_4114	4113	4114	-102.869	20.489	0.005	0.002	-0.053	-75.686
4114_4114	4114	4114	102.877	17.183	0.009	-0.051	0.053	75.538
4114_4115	4114	4115	-104.341	-5.184	-0.009	0.051	-0.127	18.618
4115_4115	4115	4115	104.342	5.184	0.009	0.028	0.127	-18.618
4115_4116	4115	4116	-106.896	15.743	-0.009	-0.028	-0.256	-53.792
4116_4116	4116	4116	106.894	17.958	-0.008	-0.001	0.256	53.815
4116_4117	4116	4117	-100.974	-1.619	0.008	0.001	-0.165	49.279
4117_4117	4117	4117	100.974	1.619	-0.008	-0.001	0.165	-49.279
4117_4118	4117	4118	-95.055	14.72	0.008	0.001	-0.075	-30.987
4118_4118	4118	4118	95.024	16.876	0	-0.034	0.075	31.209
4118_4119	4118	4119	-90.475	-0.538	0	0.034	-0.081	61.367
4119_4119	4119	4119	90.476	0.538	0	0.034	0.081	-61.367
4119_4120	4119	4120	-85.923	15.814	0	-0.034	-0.086	-29.548
4120_4120	4120	4120	85.953	18.078	-0.003	-0.036	0.086	29.315
4120_4121	4120	4121	-81.096	-0.532	0.003	0.036	-0.046	77.285
4121_4121	4121	4121	81.096	0.532	-0.003	0.038	0.046	-77.285
4121_4122	4121	4122	-76.235	17.029	0.003	-0.038	-0.006	-27.745
4122_4122	4122	4122	76.235	16.736	-0.002	-0.03	0.006	27.744
4122_4123	4122	4123	-71.976	-0.4	0.002	0.03	0.021	63.508
4123_4123	4123	4123	71.976	0.4	-0.002	0.034	-0.021	-63.508
4123_4124	4123	4124	-67.714	15.952	0.002	-0.034	0.049	-28.712
4124_4124	4124	4124	67.744	16.228	0.001	0.002	-0.049	28.498
4124_4125	4124	4125	-62.397	0.109	-0.001	-0.002	0.033	55.663
4125_4125	4125	4125	62.397	-0.109	0.001	0.002	-0.033	-55.663
4125_4126	4125	4126	-57.051	16.446	-0.001	-0.002	0.018	-43.483
4126_4126	4126	4126	57.083	14.624	-0.018	-0.007	-0.018	43.3

4126_4127	4126	4127	-57.42	5.381	0.018	0.007	0.268	20.973
4127_4127	4127	4127	57.42	-5.381	-0.018	0.015	-0.268	-20.973
4127_4128	4127	4128	-57.623	17.393	0.018	-0.015	0.419	-72.509
4128_4128	4128	4128	57.627	17.793	0.033	0.005	-0.419	72.358
4128_4129	4128	4129	-37.781	-0.685	-0.033	-0.005	0.034	11.53
4129_4129	4129	4129	37.658	1.572	0.063	-0.003	-0.346	-11.558
4129_4130	4129	4130	-42.479	17.726	-0.063	0.003	-0.483	-90.436
4130_4130	4130	4130	42.465	17.573	-0.114	0.006	0.483	90.324
4130_4131	4130	4131	-42.299	0.633	0.114	-0.006	0.938	16.027
4131_4131	4131	4131	42.299	-0.633	-0.114	-0.005	-0.938	-16.027
4131_4132	4131	4132	-42.133	18.825	0.114	0.005	2.357	-105.008
4132_4132	4132	4132	43.425	18.946	0.191	0.006	-2.357	94.853
4132_4133	4132	4133	-42.741	-5.109	-0.191	-0.006	0.541	18.667
4133_4133	4133	4133	42.741	5.109	0.192	-0.003	-0.541	-18.667
4133_4134	4133	4134	-42.183	6.179	-0.192	0.003	-0.945	13.919
4134_4134	4134	4134	42.183	-6.179	0.192	-0.003	0.945	-13.919
4134_4135	4134	4135	-41.625	17.481	-0.192	0.003	-2.432	-78.485
4135_4135	4135	4135	41.671	18.204	-0.065	-0.001	2.432	78.617
4135_4136	4135	4136	-41.044	-6.551	0.065	0.001	-1.909	19.568
4136_4136	4136	4136	41.044	6.551	-0.065	-0.001	1.909	-19.568
4136_4137	4136	4137	-40.417	5.102	0.065	0.001	-1.386	24.522
4137_4137	4137	4137	40.417	-5.102	-0.065	-0.001	1.386	-24.522
4137_4138	4137	4138	-39.79	16.754	0.065	0.001	-0.862	-63.755
4138_4138	4138	4138	39.793	17.46	-0.02	-0.001	0.862	63.649
4138_4139	4138	4139	-39.45	-8.72	0.02	0.001	-0.74	14.425
4139_4139	4139	4139	39.45	8.72	-0.02	-0.001	0.74	-14.425
4139_4140	4139	4140	-39.107	0.019	0.02	0.001	-0.617	40.057
4140_4140	4140	4140	39.107	-0.019	-0.02	-0.001	0.617	-40.057
4140_4141	4140	4141	-38.763	8.759	0.02	0.001	-0.495	13.246
4141_4141	4141	4141	38.763	-8.759	-0.02	-0.001	0.495	-13.246
4141_4142	4141	4142	-38.42	17.499	0.02	0.001	-0.373	-66.006
4142_4142	4142	4142	38.429	17.041	-0.035	0.004	0.373	65.907
4142_4143	4142	4143	-37.691	-5.388	0.035	-0.004	-0.094	22.774
4143_4143	4143	4143	37.691	5.388	-0.035	0.004	0.094	-22.774
4143_4144	4143	4144	-36.953	6.265	0.035	-0.004	0.185	18.223
4144_4144	4144	4144	36.953	-6.265	-0.034	-0.012	-0.185	-18.223
4144_4145	4144	4145	-36.214	17.918	0.034	0.012	0.456	-79.557
4145_4145	4145	4145	36.205	17.044	-0.011	-0.001	-0.456	79.468
4145_4146	4145	4146	-36.521	-5.77	0.011	0.001	0.537	9.367
4146_4146	4146	4146	36.521	5.77	-0.009	-0.006	-0.537	-9.367
4146_4147	4146	4147	-36.837	5.519	0.009	0.006	0.61	10.878
4147_4147	4147	4147	36.917	-5.519	-0.01	-0.001	-0.614	-10.967
4147_4148	4147	4148	-37.306	19.356	0.01	0.001	0.711	-106.54
4148_4148	4148	4148	37.308	19.381	0.032	-0.003	-0.711	106.598
4148_4149	4148	4149	-37.306	-1.173	-0.032	0.003	0.31	21.356
4149_4149	4149	4149	37.306	1.173	0.032	-0.003	-0.31	-21.356
4149_4150	4149	4150	-37.304	17.034	-0.032	0.003	-0.091	-78.305
4150_4150	4150	4150	37.303	13.068	-0.056	-0.013	0.091	78.305
4150_4151	4150	4151	-17.588	6.232	0.056	0.013	0.651	-55.752
4151_4151	4151	4151	67.398	-3.49	-0.003	0.009	-0.108	-25.115
4151_4152	4151	4152	-113.718	21.342	0.003	-0.009	0.14	-68.063
4152_4152	4152	4152	113.719	17.239	0.002	-0.016	-0.14	68.063
4152_4153	4152	4153	-115.778	-4.705	-0.002	0.016	0.121	25.063
4153_4153	4153	4153	115.969	4.705	0.002	0.007	-0.121	-25.401
4153_4154	4153	4154	-119.405	16.17	-0.002	-0.007	0.095	-49.033

4154_4154	4154	4154	119.404	18.384	0.001	0.032	-0.095	49.033
4154_4155	4154	4155	-112.162	-1.672	-0.001	-0.032	0.082	53.241
4155_4155	4155	4155	112.162	1.672	0.002	-0.034	-0.082	-53.241
4155_4156	4155	4156	-104.92	15.04	-0.002	0.034	0.061	-28.336
4156_4156	4156	4156	104.919	16.292	0.002	0.035	-0.061	28.337
4156_4157	4156	4157	-100.513	-1.084	-0.002	-0.035	0.044	53.818
4157_4157	4157	4157	100.513	1.084	0.002	-0.033	-0.044	-53.818
4157_4158	4157	4158	-96.107	14.125	-0.002	0.033	0.019	-16.276
4158_4158	4158	4158	96.132	15.049	0.002	0.035	-0.019	16.088
4158_4159	4158	4159	-91.401	0.16	-0.002	-0.035	0	53.247
4159_4159	4159	4159	91.401	-0.16	0.003	-0.029	0	-53.247
4159_4160	4159	4160	-86.671	15.368	-0.003	0.029	-0.027	-29.666
4160_4160	4160	4160	86.669	16.431	0.001	0.003	0.027	29.665
4160_4161	4160	4161	-80.545	0.281	-0.001	-0.003	-0.034	52.262
4161_4161	4161	4161	80.545	-0.281	0.001	0.004	0.034	-52.262
4161_4162	4161	4162	-74.426	16.978	-0.001	-0.004	-0.041	-49.488
4162_4162	4162	4162	74.403	15.467	0.004	-0.01	0.041	49.642
4162_4163	4162	4163	-73.765	5.423	-0.004	0.01	-0.102	19.574
4163_4163	4163	4163	73.912	-5.423	0.003	0.024	0.103	-19.779
4163_4164	4163	4164	-73.532	17.958	-0.003	-0.024	-0.131	-76.581
4164_4164	4164	4164	73.545	18.733	-0.005	0	0.131	76.455
4164_4165	4164	4165	-51.563	-0.881	0.005	0	-0.074	11.314
4165_4165	4165	4165	51.437	1.74	-0.004	0.003	0.109	-11.123
4165_4166	4165	4166	-55.395	18.912	0.004	-0.003	-0.059	-97.976
4166_4166	4166	4166	55.407	19.175	0.001	0.002	0.059	98.087
4166_4167	4166	4167	-55.265	0.322	-0.001	-0.002	-0.071	19.976
4167_4167	4167	4167	55.265	-0.322	0.001	0.002	0.071	-19.976
4167_4168	4167	4168	-55.124	19.82	-0.001	-0.002	-0.083	-105.704
4168_4168	4168	4168	55.165	20.433	-0.002	0.008	0.083	105.828
4168_4169	4168	4169	-55.733	-5.614	0.002	-0.008	-0.062	18.372
4169_4169	4169	4169	55.81	5.614	-0.001	-0.004	0.061	-18.465
4169_4170	4169	4170	-56.273	6.474	0.001	0.004	-0.05	15.513
4170_4170	4170	4170	56.273	-6.474	-0.001	-0.004	0.05	-15.513
4170_4171	4170	4171	-56.736	18.562	0.001	0.004	-0.038	-81.131
4171_4171	4171	4171	56.734	19.498	-0.001	0	0.038	81.133
4171_4172	4171	4172	-55.587	-7.019	0.001	0	-0.027	23.693
4172_4172	4172	4172	55.587	7.019	-0.001	0	0.027	-23.693
4172_4173	4172	4173	-54.44	5.459	0.001	0	-0.017	28.682
4173_4173	4173	4173	54.44	-5.459	-0.001	0	0.017	-28.682
4173_4174	4173	4174	-53.293	17.938	0.001	0	-0.006	-66.167
4174_4174	4174	4174	53.301	18.795	0	0	0.006	66.071
4174_4175	4174	4175	-52.813	-9.437	0	0	-0.005	18.074
4175_4175	4175	4175	52.813	9.437	0	0	0.005	-18.074
4175_4176	4175	4176	-52.324	-0.078	0	0	-0.005	46.062
4176_4176	4176	4176	52.324	0.078	0	0	0.005	-46.062
4176_4177	4176	4177	-51.836	9.281	0	0	-0.004	17.891
4177_4177	4177	4177	51.836	-9.281	0	0	0.004	-17.891
4177_4178	4177	4178	-51.348	18.64	0	0	-0.004	-66.438
4178_4178	4178	4178	51.357	18.287	-0.001	0.007	0.004	66.342
4178_4179	4178	4179	-50.525	-5.824	0.001	-0.007	0.003	28.978
4179_4179	4179	4179	50.525	5.824	-0.001	0.007	-0.003	-28.978
4179_4180	4179	4180	-49.693	6.655	0.001	-0.007	0.009	24.642
4180_4180	4180	4180	49.693	-6.655	0	-0.017	-0.009	-24.642
4180_4181	4180	4181	-48.86	19.133	0	0.017	0.007	-79.529
4181_4181	4181	4181	48.874	18.266	0.002	0.003	-0.007	79.629

4181_4182	4181	4182	-48.912	-6.178	-0.002	-0.003	-0.006	15.298
4182_4182	4182	4182	48.912	6.178	0.003	-0.009	0.006	-15.298
4182_4183	4182	4183	-48.949	5.911	-0.003	0.009	-0.029	16.529
4183_4183	4183	4183	49.054	-5.911	0.002	0	0.026	-16.643
4183_4184	4183	4184	-49.1	20.729	-0.002	0	-0.046	-109.665
4184_4184	4184	4184	49.109	20.634	-0.011	-0.003	0.046	109.665
4184_4185	4184	4185	-49.021	-1.137	0.011	0.003	0.088	25.934
4185_4185	4185	4185	49.021	1.137	-0.011	-0.003	-0.088	-25.934
4185_4186	4185	4186	-48.933	18.361	0.011	0.003	0.221	-82.21
4186_4186	4186	4186	48.929	15.073	0.012	-0.018	-0.221	82.209
4186_4187	4186	4187	-31.475	5.594	-0.012	0.018	0.061	-39.325
4187_4187	4187	4187	76.499	-3.236	0.001	0.013	-0.017	-34.302
4187_4188	4187	4188	-122.147	22.354	-0.001	-0.013	0.01	-60.956
4188_4188	4188	4188	122.147	19.07	0	-0.021	-0.01	60.956
4188_4189	4188	4189	-119.099	-5.647	0	0.021	0.01	37.631
4189_4189	4189	4189	120.398	5.638	0	0.008	-0.011	-36.33
4189_4190	4189	4190	-115.281	16.717	0	-0.008	0.015	-45.322
4190_4190	4190	4190	115.282	19.276	-0.002	0.034	-0.015	45.321
4190_4191	4190	4191	-109.658	-1.379	0.002	-0.034	0.036	61.444
4191_4191	4191	4191	109.658	1.379	-0.001	-0.039	-0.036	-61.444
4191_4192	4191	4192	-104.034	16.518	0.001	0.039	0.05	-28.676
4192_4192	4192	4192	104.028	17.315	0.003	-0.001	-0.05	28.677
4192_4193	4192	4193	-99.943	-0.964	-0.003	0.001	0.016	58.286
4193_4193	4193	4193	99.943	0.964	0.003	-0.001	-0.016	-58.286
4193_4194	4193	4194	-95.859	15.388	-0.003	0.001	-0.019	-19.1
4194_4194	4194	4194	95.879	16.038	0.003	-0.032	0.019	18.914
4194_4195	4194	4195	-91.874	0.297	-0.003	0.032	-0.049	55.264
4195_4195	4195	4195	91.873	-0.297	0.002	0.033	0.049	-55.264
4195_4196	4195	4196	-87.864	16.648	-0.002	-0.033	-0.072	-34.749
4196_4196	4196	4196	87.854	17.544	-0.003	-0.025	0.072	34.932
4196_4197	4196	4197	-82.057	0.353	0.003	0.025	-0.037	52.599
4197_4197	4197	4197	82.057	-0.353	-0.004	0.029	0.037	-52.6
4197_4198	4197	4198	-76.259	18.251	0.004	-0.029	0.004	-56.755
4198_4198	4198	4198	76.254	16.518	0.003	0.006	-0.004	56.755
4198_4199	4198	4199	-77.195	5.854	-0.003	-0.006	-0.037	17.893
4199_4199	4199	4199	77.3	-5.854	0.003	-0.005	0.039	-18.031
4199_4200	4199	4200	-77.866	19.276	-0.003	0.005	-0.067	-84.844
4200_4200	4200	4200	77.872	20.204	-0.004	0.005	0.067	84.704
4200_4201	4200	4201	-54.101	-1.103	0.004	-0.005	-0.024	11.207
4201_4201	4201	4201	55.11	2.052	-0.008	-0.001	0.165	-12.924
4201_4202	4201	4202	-59.198	20.349	0.008	0.001	-0.062	-103.839
4202_4202	4202	4202	59.197	20.678	0.013	0.001	0.062	103.842
4202_4203	4202	4203	-59.126	0.455	-0.013	-0.001	-0.221	23.069
4203_4203	4203	4203	59.126	-0.455	0.013	0.001	0.221	-23.069
4203_4204	4203	4204	-59.055	21.588	-0.013	-0.001	-0.381	-114.204
4204_4204	4204	4204	59.064	22.098	-0.005	0.004	0.381	114.206
4204_4205	4204	4205	-59.804	-6.037	0.005	-0.004	-0.329	20.011
4205_4205	4205	4205	59.972	6.037	-0.005	-0.01	0.335	-20.191
4205_4206	4205	4206	-60.574	7.065	0.005	0.01	-0.297	16.668
4206_4206	4206	4206	60.574	-7.065	-0.006	0.009	0.297	-16.668
4206_4207	4206	4207	-61.176	20.167	0.006	-0.009	-0.253	-88.409
4207_4207	4207	4207	61.174	20.952	-0.041	-0.016	0.253	88.408
4207_4208	4207	4208	-60.169	-7.427	0.041	0.016	0.079	23.941
4208_4208	4208	4208	60.169	7.427	-0.042	0.01	-0.079	-23.941
4208_4209	4208	4209	-59.164	6.098	0.042	-0.01	0.417	28.081

4209_4209	4209	4209	59.164	-6.098	-0.042	0.01	-0.417	-28.081
4209_4210	4209	4210	-58.159	19.623	0.042	-0.01	0.754	-75.988
4210_4210	4210	4210	58.158	20.349	-0.009	0.002	-0.754	75.859
4210_4211	4210	4211	-57.74	-10.205	0.009	-0.002	0.81	15.28
4211_4211	4211	4211	57.74	10.205	-0.009	0.002	-0.81	-15.28
4211_4212	4211	4212	-57.323	-0.078	0.009	-0.002	0.866	45.55
4212_4212	4212	4212	57.323	0.078	-0.009	0.001	-0.866	-45.55
4212_4213	4212	4213	-56.905	10.065	0.009	-0.001	0.922	15.055
4213_4213	4213	4213	56.905	-10.065	-0.009	0.001	-0.922	-15.055
4213_4214	4213	4214	-56.487	20.209	0.009	-0.001	0.977	-76.308
4214_4214	4214	4214	56.493	19.987	0.037	0.001	-0.977	76.441
4214_4215	4214	4215	-55.712	-6.462	-0.037	-0.001	0.683	28.299
4215_4215	4215	4215	55.712	6.462	0.037	0.001	-0.683	-28.299
4215_4216	4215	4216	-54.931	7.063	-0.037	-0.001	0.389	24.831
4216_4216	4216	4216	54.931	-7.063	0.037	0.001	-0.389	-24.831
4216_4217	4216	4217	-54.15	20.588	-0.037	-0.001	0.095	-86.843
4217_4217	4217	4217	54.156	19.821	-0.003	0.008	-0.095	86.95
4217_4218	4217	4218	-54.119	-6.719	0.003	-0.008	0.12	16.096
4218_4218	4218	4218	54.118	6.719	-0.002	-0.006	-0.12	-16.096
4218_4219	4218	4219	-54.081	6.383	0.002	0.006	0.139	17.592
4219_4219	4219	4219	54.126	-6.383	-0.003	0.007	-0.14	-17.635
4219_4220	4219	4220	-54.082	22.444	0.003	-0.007	0.168	-119.065
4220_4220	4220	4220	54.12	22.445	0.087	0.002	-0.168	119.045
4220_4221	4220	4221	-53.71	-1.314	-0.087	-0.002	-0.92	28.341
4221_4221	4221	4221	53.71	1.314	0.087	0.002	0.92	-28.341
4221_4222	4221	4222	-53.301	19.817	-0.087	-0.002	-2.008	-88.416
4222_4222	4222	4222	53.291	16.643	-0.555	0.01	2.008	88.283
4222_4223	4222	4223	-37.31	5.756	0.555	-0.01	5.352	-34.832
4223_4223	4223	4223	77.1	-3.412	-0.003	-0.005	-0.147	-29.112
4223_4224	4223	4224	-123.061	24.115	0.003	0.005	0.177	-78.73
4224_4224	4224	4224	123.068	21.902	0.02	0.013	-0.177	78.585
4224_4225	4224	4225	-119.622	-7.381	-0.02	-0.013	0.009	38.46
4225_4225	4225	4225	119.842	7.379	0.02	-0.004	-0.005	-38.831
4225_4226	4225	4226	-113.281	20.271	-0.02	0.004	-0.307	-69.208
4226_4226	4226	4226	113.287	22.18	-0.003	0.231	0.307	69.149
4226_4227	4226	4227	-107.956	-1.086	0.003	-0.231	-0.272	63.954
4227_4227	4227	4227	107.953	1.086	0	-0.225	0.272	-63.955
4227_4228	4227	4228	-102.622	20.011	0	0.225	-0.268	-55.514
4228_4228	4228	4228	102.579	21.471	0.018	0.001	0.268	55.626
4228_4229	4228	4229	-97.882	-0.37	-0.018	-0.001	-0.483	69.846
4229_4229	4229	4229	97.882	0.37	0.018	0.001	0.483	-69.846
4229_4230	4229	4230	-93.185	20.732	-0.018	-0.001	-0.698	-57.392
4230_4230	4230	4230	93.23	21.328	-0.016	0.3	0.698	57.401
4230_4231	4230	4231	-88.904	0.214	0.016	-0.3	-0.502	66.491
4231_4231	4231	4231	88.896	-0.214	-0.012	-0.298	0.502	-66.488
4231_4232	4231	4232	-84.573	21.745	0.012	0.298	-0.351	-72.858
4232_4232	4232	4232	84.521	21.456	0.012	-0.031	0.351	73.061
4232_4233	4232	4233	-81.522	-0.343	-0.012	0.031	-0.5	54.068
4233_4233	4233	4233	81.793	0.342	0.012	0.023	0.511	-54.399
4233_4234	4233	4234	-78.783	20.822	-0.012	-0.023	-0.656	-72.08
4234_4234	4234	4234	78.796	19.355	-0.053	0.06	0.656	72.114
4234_4235	4234	4235	-62.971	-0.341	0.053	-0.06	-0.081	14.406
4235_4235	4235	4235	61.572	1.138	-0.284	-0.079	2.26	-12.166
4235_4236	4235	4236	-66.865	17.451	0.284	0.079	0.562	-62.751
4236_4236	4236	4236	66.741	17.386	0.202	-0.004	-0.562	62.846

4236_4237	4236	4237	-66.772	1.447	-0.202	0.004	-1.473	16.538
4237_4237	4237	4237	66.773	-1.447	0.203	-0.01	1.473	-16.538
4237_4238	4237	4238	-66.806	21.425	-0.203	0.01	-3.635	-106.282
4238_4238	4238	4238	67.12	23.807	-0.176	0.129	3.635	106.329
4238_4239	4238	4239	-67.718	-0.191	0.176	-0.129	-1.41	46.831
4239_4239	4239	4239	67.887	0.191	-0.173	-0.146	1.403	-47.022
4239_4240	4239	4240	-68.464	22.065	0.173	0.146	0.648	-81.229
4240_4240	4240	4240	68.273	20.467	-0.053	0	-0.648	81.199
4240_4241	4240	4241	-67.014	-2.366	0.053	0	1.163	27.302
4241_4241	4241	4241	67.014	2.366	-0.053	0.001	-1.163	-27.302
4241_4242	4241	4242	-65.717	16.26	0.053	-0.001	1.693	-43.703
4242_4242	4242	4242	65.757	18.023	-0.065	-0.007	-1.693	43.793
4242_4243	4242	4243	-65.083	0.791	0.065	0.007	2.341	42.027
4243_4243	4243	4243	65.083	-0.791	-0.065	0.017	-2.341	-42.027
4243_4244	4243	4244	-64.439	18.741	0.065	-0.017	2.963	-52.297
4244_4244	4244	4244	64.418	18.701	0.047	0.129	-2.963	52.17
4244_4245	4244	4245	-63.953	-1.416	-0.047	-0.129	2.529	40.084
4245_4245	4245	4245	63.952	1.416	0.05	-0.103	-2.529	-40.085
4245_4246	4245	4246	-63.428	18.039	-0.05	0.103	2.01	-46.94
4246_4246	4246	4246	63.461	16.797	-0.102	0.007	-2.01	46.905
4246_4247	4246	4247	-62.748	2.227	0.102	-0.007	3.047	25.984
4247_4247	4247	4247	62.748	-2.227	-0.102	0.003	-3.047	-25.984
4247_4248	4247	4248	-62.085	19.935	0.102	-0.003	4.013	-79.843
4248_4248	4248	4248	62.179	21.59	0.348	0.257	-4.013	80.536
4248_4249	4248	4249	-62.943	3.449	-0.348	-0.257	-0.644	41.477
4249_4249	4249	4249	63.04	-3.449	0.353	-0.301	0.642	-41.567
4249_4250	4249	4250	-63.676	24.288	-0.353	0.301	-4.57	-112.159
4250_4250	4250	4250	63.773	22.569	-0.176	-0.004	4.57	112.368
4250_4251	4250	4251	-63.334	1.753	0.176	0.004	-2.288	22.298
4251_4251	4251	4251	63.334	-1.753	-0.176	0.005	2.288	-22.298
4251_4252	4251	4252	-63.042	17.922	0.176	-0.005	-0.771	-62.992
4252_4252	4252	4252	63.045	17.325	-0.037	-0.029	0.771	62.962
4252_4253	4252	4253	-51.413	4.55	0.037	0.029	-0.342	-2.302
4253_4253	4253	4253	51.409	-4.55	-0.036	0.039	0.342	2.301
4253_4254	4253	4254	-41.513	23.161	0.036	-0.039	0.011	-151.885
4254_4254	4254	4254	99.141	20.433	-0.011	-0.017	0.374	58.036
4254_4255	4254	4255	-122.284	4.48	0.011	0.017	-0.235	71.488
4255_4255	4255	4255	122.381	-4.477	-0.011	0.032	0.235	-71.65
4255_4256	4255	4256	-144.227	27.976	0.011	-0.032	-0.102	-93.952
4256_4256	4256	4256	144.249	24.002	0.016	0.297	0.102	94.189
4256_4257	4256	4257	-144.008	-1.578	-0.016	-0.297	-0.288	50.718
4257_4257	4257	4257	144.01	1.578	0.016	-0.27	0.288	-50.714
4257_4258	4257	4258	-143.761	21.565	-0.016	0.27	-0.478	-66.541
4258_4258	4258	4258	143.761	21.896	0.006	0.039	0.478	66.563
4258_4259	4258	4259	-148.991	1.102	-0.006	-0.039	-0.547	60.902
4259_4259	4259	4259	148.992	-1.102	0.006	-0.026	0.547	-60.901
4259_4260	4259	4260	-154.123	23.663	-0.006	0.026	-0.613	-74.114
4260_4260	4260	4260	154.129	21.556	0	0.456	0.613	74.061
4260_4261	4260	4261	-158.469	1.305	0	-0.456	-0.612	48.333
4261_4261	4261	4261	158.473	-1.305	0	-0.458	0.612	-48.326
4261_4262	4261	4262	-162.778	23.982	0	0.458	-0.608	-91.536
4262_4262	4262	4262	162.824	22.025	0.025	-0.015	0.608	91.667
4262_4263	4262	4263	-167.839	3.067	-0.025	0.015	-0.921	34.524
4263_4263	4263	4263	167.839	-3.067	0.025	-0.012	0.921	-34.524
4263_4264	4263	4264	-172.378	25.784	-0.025	0.012	-1.204	-126.007

4264_4264	4264	4264	172.544	25.872	-0.052	0.094	1.213	125.715
4264_4265	4264	4265	-155.122	-0.547	0.052	-0.094	-0.552	22.992
4265_4265	4265	4265	155.113	0.547	-0.052	-0.145	0.552	-22.986
4265_4266	4265	4266	-138.999	22.876	0.052	0.145	0.061	-128.362
4266_4266	4266	4266	139.178	25.232	0.09	-0.019	-0.061	128.281
4266_4267	4266	4267	-122.127	-4.668	-0.09	0.019	-0.872	5.567
4267_4267	4267	4267	122.128	4.668	0.09	-0.021	0.872	-5.567
4267_4268	4267	4268	-107.2	13.335	-0.09	0.021	-1.689	-52.919
4268_4268	4268	4268	63.139	21.365	-0.192	-0.018	2.525	124.8
4268_4269	4268	4269	-79.571	5.392	0.192	0.018	0.039	0.249
4269_4269	4269	4269	79.573	-5.392	-0.193	-0.019	-0.039	-0.257
4269_4270	4269	4270	-92.645	26.678	0.193	0.019	2.081	-154.94
4270_4270	4270	4270	92.571	34.802	0.086	-0.015	-2.082	154.558
4270_4271	4270	4271	-51.034	-7.158	-0.086	0.015	0.896	89.747
4271_4271	4271	4271	51.034	7.158	0.086	-0.002	-0.896	-89.747
4271_4272	4271	4272	-19.629	13.743	-0.086	0.002	0	21.784
4372_4372	4372	4372	17.802	10.254	-0.255	0.012	0	-23.726
4372_4373	4372	4373	-51.108	8.238	0.255	-0.012	3.156	72.823
4373_4373	4373	4373	51.107	-8.238	-0.255	-0.02	-3.156	-72.823
4373_4374	4373	4374	-82.993	25.942	0.255	0.02	6.177	-94.608
4374_4374	4374	4374	83.004	19.298	0.45	0.008	-6.177	94.338
4374_4375	4374	4375	-73.049	-1.899	-0.45	-0.008	0.934	18.032
4375_4375	4375	4375	73.049	1.899	0.45	-0.002	-0.934	-18.032
4375_4376	4375	4376	-64.25	13.481	-0.45	0.002	-3.701	-51.337
4376_4376	4376	4376	64.264	15.769	-0.201	0.165	3.701	51.559
4376_4377	4376	4377	-65.672	1.175	0.201	-0.165	-1.423	32.401
4377_4377	4377	4377	65.664	-1.175	-0.201	-0.175	1.423	-32.403
4377_4378	4377	4378	-67.044	17.778	0.201	0.175	0.807	-71.72
4378_4378	4378	4378	66.933	17.481	0.107	-0.008	-0.807	71.678
4378_4379	4378	4379	-66.875	0.151	-0.107	0.008	-0.459	30.541
4379_4379	4379	4379	67.026	-0.151	0.107	0.001	0.455	-30.733
4379_4380	4379	4380	-66.966	18.422	-0.107	-0.001	-1.767	-82.846
4380_4380	4380	4380	66.954	16.048	-0.169	-0.012	1.767	82.933
4380_4381	4380	4381	-67.779	0.227	0.169	0.012	0.078	3.9
4381_4381	4381	4381	67.774	-0.227	-0.168	-0.013	-0.078	-3.9
4381_4382	4381	4382	-68.513	14.817	0.168	0.013	1.721	-68.953
4382_4382	4382	4382	68.52	18.103	0.075	-0.002	-1.721	68.756
4382_4383	4382	4383	-59.611	-0.675	-0.075	0.002	0.843	30.294
4383_4383	4383	4383	59.611	0.675	0.075	-0.013	-0.843	-30.294
4383_4384	4383	4384	-50.685	16.786	-0.075	0.013	-0.038	-74.337
4384_4384	4384	4384	71.744	17.664	-0.021	0.016	0.356	40.124
4384_4385	4384	4385	-61.08	0.864	0.021	-0.016	-0.087	51.843
4385_4385	4385	4385	61.175	-0.865	-0.021	-0.008	0.089	-51.953
4385_4386	4385	4386	-52.452	15.998	0.021	0.008	0.128	-44.849
4386_4386	4386	4386	52.445	18.167	0.004	0.28	-0.128	45.16
4386_4387	4386	4387	-55.6	-0.459	-0.004	-0.28	0.078	70.372
4387_4387	4387	4387	55.593	0.459	0.005	-0.248	-0.078	-70.375
4387_4388	4387	4388	-58.828	17.695	-0.005	0.248	0.013	-30.875
4388_4388	4388	4388	58.818	18.263	0.002	0.013	-0.013	31.369
4388_4389	4388	4389	-58.94	0.607	-0.002	-0.013	-0.016	81.422
4389_4389	4389	4389	58.94	-0.607	0.002	0.028	0.016	-81.422
4389_4390	4389	4390	-59.049	17.604	-0.002	-0.028	-0.042	-22.692
4390_4390	4390	4390	59.053	17.986	0.014	0.321	0.042	22.619
4390_4391	4390	4391	-60.033	1.522	-0.014	-0.321	-0.232	87.108
4391_4391	4391	4391	60.03	-1.522	0.015	-0.33	0.232	-87.11

4391_4392	4391	4392	-60.852	17.878	-0.015	0.33	-0.402	-18.822
4392_4392	4392	4392	60.854	17.501	-0.04	0.041	0.402	18.858
4392_4393	4392	4393	-62.182	0.871	0.04	-0.041	0.089	85.856
4393_4393	4393	4393	62.182	-0.871	-0.04	0.011	-0.089	-85.856
4393_4394	4393	4394	-63.446	18.358	0.04	-0.011	0.555	-26.07
4394_4394	4394	4394	63.462	18.306	0.153	0.425	-0.555	25.858
4394_4395	4394	4395	-63.232	-0.725	-0.153	-0.425	-1.257	86.86
4395_4395	4395	4395	63.238	0.725	0.154	-0.359	1.257	-86.863
4395_4396	4395	4396	-62.999	17.544	-0.154	0.359	-3.153	-17.009
4396_4396	4396	4396	62.979	13.423	-0.526	0.01	3.153	17.37
4396_4397	4396	4397	-72.804	4.494	0.526	-0.01	3.21	47.368
4397_4397	4397	4397	72.805	-4.494	-0.526	0.029	-3.21	-47.368
4397_4398	4397	4398	-82.646	22.44	0.526	-0.029	9.585	-104.951
4398_4398	4398	4398	82.689	29.006	0.318	0.248	-9.585	104.7
4398_4399	4398	4399	-55.621	-10.242	-0.318	-0.248	5.559	113.512
4399_4399	4399	4399	55.624	10.242	0.318	-0.1	-5.559	-113.512
4399_4400	4399	4400	-28.642	8.462	-0.318	0.1	1.542	94.561
4400_4400	4400	4400	28.643	-8.462	0.318	-0.166	-1.542	-94.56
4400_4401	4400	4401	-18.286	15.641	-0.318	0.166	0	24.586
4572_4572	4572	4572	17.839	10.337	-0.14	0.01	0	-23.897
4572_4573	4572	4573	-51.095	8.163	0.14	-0.01	1.732	73.928
4573_4573	4573	4573	51.095	-8.163	-0.14	-0.013	-1.732	-73.928
4573_4574	4573	4574	-82.686	25.737	0.14	0.013	3.377	-90.698
4574_4574	4574	4574	82.697	18.814	0.079	0.005	-3.377	90.815
4574_4575	4574	4575	-73.024	-1.697	-0.079	-0.005	2.475	15.941
4575_4575	4575	4575	73.024	1.697	0.079	-0.001	-2.475	-15.941
4575_4576	4575	4576	-64.424	13.521	-0.079	0.001	1.673	-53.815
4576_4576	4576	4576	64.42	16	0.208	0.183	-1.673	53.898
4576_4577	4576	4577	-65.569	0.994	-0.208	-0.183	-0.692	32.449
4577_4577	4577	4577	65.567	-0.994	0.208	-0.181	0.692	-32.451
4577_4578	4577	4578	-66.708	17.878	-0.208	0.181	-3.046	-73.177
4578_4578	4578	4578	66.828	17.323	-0.112	-0.017	3.046	73.188
4578_4579	4578	4579	-67.325	0.013	0.112	0.017	-1.748	27.738
4579_4579	4579	4579	67.476	-0.013	-0.112	-0.001	1.745	-27.931
4579_4580	4579	4580	-68.006	18.459	0.112	0.001	-0.366	-85.55
4580_4580	4580	4580	67.993	16.43	-0.071	-0.011	0.366	85.574
4580_4581	4580	4581	-67.308	-0.208	0.071	0.011	0.406	3.88
4581_4581	4581	4581	67.304	0.208	-0.071	-0.01	-0.406	-3.881
4581_4582	4581	4582	-66.689	14.338	0.071	0.01	1.101	-65.681
4582_4582	4582	4582	66.694	18.033	0.032	0.009	-1.101	65.808
4582_4583	4582	4583	-59.194	-0.918	-0.032	-0.009	0.734	33.803
4583_4583	4583	4583	59.193	0.918	0.032	-0.012	-0.734	-33.804
4583_4584	4583	4584	-51.477	16.691	-0.032	0.012	0.356	-68.327
4584_4584	4584	4584	71.247	17.535	0.003	0.012	-0.11	36.404
4584_4585	4584	4585	-61.002	0.849	-0.003	-0.012	0.073	54.494
4585_4585	4585	4585	61.097	-0.85	0.003	0.006	-0.07	-54.604
4585_4586	4585	4586	-52.624	16.033	-0.003	-0.006	0.038	-42.319
4586_4586	4586	4586	52.618	18.1	0.004	0.239	-0.038	41.971
4586_4587	4586	4587	-55.547	-0.608	-0.004	-0.239	-0.007	72.315
4587_4587	4587	4587	55.543	0.608	0.003	-0.197	0.007	-72.317
4587_4588	4587	4588	-58.601	17.657	-0.003	0.197	-0.048	-28.725
4588_4588	4588	4588	58.6	18.114	0	-0.024	0.048	28.345
4588_4589	4588	4589	-59.116	0.582	0	0.024	-0.045	83.074
4589_4589	4589	4589	59.116	-0.582	0	0.071	0.045	-83.074
4589_4590	4589	4590	-59.587	17.629	0	-0.071	-0.043	-20.946

4590_4590	4590	4590	59.585	17.892	0.005	0.31	0.043	21.098
4590_4591	4590	4591	-60.659	1.504	-0.005	-0.31	-0.107	87.582
4591_4591	4591	4591	60.656	-1.504	0.005	-0.313	0.107	-87.584
4591_4592	4591	4592	-61.561	17.867	-0.005	0.313	-0.157	-18.171
4592_4592	4592	4592	61.565	17.467	0.016	-0.006	0.157	18.213
4592_4593	4592	4593	-63.097	0.653	-0.016	0.006	-0.347	86.469
4593_4593	4593	4593	63.097	-0.653	0.016	0.057	0.347	-86.469
4593_4594	4593	4594	-64.588	18.281	-0.016	-0.057	-0.533	-24.328
4594_4594	4594	4594	64.598	17.902	-0.057	0.344	0.533	23.856
4594_4595	4594	4595	-64.193	-0.31	0.057	-0.344	0.138	83.876
4595_4595	4595	4595	64.195	0.31	-0.057	-0.291	-0.138	-83.878
4595_4596	4595	4596	-63.777	17.841	0.057	0.291	0.836	-23.88
4596_4596	4596	4596	63.777	14.526	0.246	-0.005	-0.836	23.772
4596_4597	4596	4597	-73.442	3.37	-0.246	0.005	-2.138	54.184
4597_4597	4597	4597	73.442	-3.37	0.246	0.045	2.138	-54.184
4597_4598	4597	4598	-83.078	21.215	-0.246	-0.045	-5.105	-83.297
4598_4598	4598	4598	83.066	26.563	-0.191	0.166	5.105	83.445
4598_4599	4598	4599	-52.606	-7.838	0.191	-0.166	-2.697	99.959
4599_4599	4599	4599	52.606	7.838	-0.191	-0.102	2.697	-99.96
4599_4600	4599	4600	-22.296	10.794	0.191	0.102	-0.299	47.59
4600_4600	4600	4600	22.296	-10.794	-0.191	-0.142	0.299	-47.589
4600_4601	4600	4601	-18.518	13.117	0.191	0.142	0	24.64
5000_5000	5000	5000	67.749	457.575	0.715	4.767	0	-315.56
5000_5001	5000	5001	-62.932	-420.475	-0.715	-4.767	-9.102	5879.472
5001_5001	5001	5001	62.936	420.475	0.706	-2.612	9.102	-5879.48
5001_5002	5001	5002	-59.193	-391.647	-0.706	2.612	-16.086	9876.88
5002_5002	5002	5002	59.166	340.687	-0.613	11.139	16.086	-9876.99
5002_5003	5002	5003	-56.528	-305.273	0.613	-11.139	-8.647	13788.09
5003_5003	5003	5003	56.524	305.273	-0.623	-9.243	8.647	-13788.1
5003_5004	5003	5004	-53.89	-269.896	0.623	9.243	-1.091	17265.73
5004_5004	5004	5004	53.905	224.701	0.707	9.274	1.091	-17266
5004_5005	5004	5005	-50.937	-189.302	-0.707	-9.274	-9.677	19765.94
5005_5005	5005	5005	50.938	189.302	0.701	-8.504	9.677	-19765.9
5005_5006	5005	5006	-47.968	-153.878	-0.701	8.504	-18.193	21837.46
5006_5006	5006	5006	47.965	105.17	-0.172	18.338	18.193	-21837.7
5006_5007	5006	5007	-45.455	-69.778	0.172	-18.338	-16.103	22888.57
5007_5007	5007	5007	45.454	69.778	-0.183	-18.243	16.103	-22888.6
5007_5008	5007	5008	-42.945	-34.394	0.183	18.243	-13.881	23509.8
5008_5008	5008	5008	42.949	-12.618	0.697	18.15	13.881	-23510.1
5008_5009	5008	5009	-40.782	48.027	-0.697	-18.15	-22.349	23132.64
5009_5009	5009	5009	40.783	-48.027	0.686	-18.764	22.349	-23132.6
5009_5010	5009	5010	-38.617	83.43	-0.686	18.764	-30.682	22325.42
5010_5010	5010	5010	38.617	-130.617	-0.089	-0.623	30.682	-22325.8
5010_5011	5010	5011	-36.89	166.013	0.089	0.623	-29.6	20518.32
5011_5011	5011	5011	36.89	-166.013	-0.089	-0.623	29.6	-20518.3
5011_5012	5011	5012	-35.163	201.408	0.089	0.623	-28.517	18281.19
5012_5012	5012	5012	35.163	-247.787	0.115	4.337	28.517	-18281.5
5012_5013	5012	5013	-34.393	283.201	-0.115	-4.337	-29.908	15054.42
5013_5013	5013	5013	34.393	-283.201	0.11	-6.086	29.908	-15054.4
5013_5014	5013	5014	-33.624	318.583	-0.11	6.086	-31.239	11400.79
5014_5014	5014	5014	33.63	-364.514	0.793	1.445	31.239	-11400.9
5014_5015	5014	5015	-31.715	411.604	-0.793	-1.445	-44.043	5126.377
5015_5015	5015	5015	30.612	-410.478	0.73	-2.646	43.289	-5078.35
5015_5016	5015	5016	-31.088	432.962	-0.73	2.649	-49.312	1592.765
5016_5016	5016	5016	64.294	-478.285	-0.348	-1.747	56.243	-1704.94

5016_5017	5016	5017	-67.183	510.368	0.348	1.742	-52.155	-4097.54
5017_5017	5017	5017	82.004	-508.064	-0.355	0.662	52.321	4094.684
5017_5018	5017	5018	-86.838	546.96	0.355	-0.67	-47.608	-11093.4
5018_5018	5018	5018	106.153	-588.137	0.007	-8.871	46.875	11093.74
5018_5019	5018	5019	-112.123	626.593	-0.007	8.876	-46.965	-18692.5
5019_5019	5019	5019	129.283	-623.214	0	8.132	48.845	18693.32
5019_5020	5019	5020	-136.283	664.202	0	-8.127	-48.843	-26779.3
5020_5020	5020	5020	-2484.52	207.398	-15.19	-1.861	375.681	5682.869
5020_5021	5020	5021	2481.513	-180.836	15.19	1.861	-231.434	-3827.58
5021_5021	5021	5021	-2483.35	180.849	-14.772	-1.205	231.211	3836.588
5021_5022	5021	5022	2480.803	-161.263	14.772	1.205	-116.648	-2499.81
5022_5022	5022	5022	-2480.82	161.263	-11.905	1.814	116.648	2499.808
5022_5023	5022	5023	2478.274	-141.706	11.905	-1.814	-24.45	-1316.5
5023_5023	5023	5023	-2478.3	98.184	-6.182	0.149	24.45	1316.497
5023_5024	5023	5024	2476.214	-77.971	6.182	-0.149	25.033	-603.239
5024_5024	5024	5024	-2476.2	77.971	-9.629	-0.836	-25.033	603.238
5024_5025	5024	5025	2474.123	-57.781	9.629	0.836	102.017	-52.291
5025_5025	5025	5025	-2474.14	57.781	-3.068	-0.434	-102.017	52.293
5025_5026	5025	5026	2472.058	-37.57	3.068	0.434	126.568	337.527
5026_5026	5026	5026	-2472.06	-8.877	-2.449	-0.499	-126.568	-337.525
5026_5027	5026	5027	2470.987	24.034	2.449	0.499	141.265	242.997
5027_5027	5027	5027	-2470.99	-24.034	-2.881	-0.471	-141.265	-242.997
5027_5028	5027	5028	2469.913	39.166	2.881	0.471	158.526	57.876
5028_5028	5028	5028	-2469.91	-39.166	-2.449	-0.468	-158.526	-57.876
5028_5029	5028	5029	2468.839	54.323	2.449	0.468	173.223	-218.452
5029_5029	5029	5029	-2468.84	-54.323	1.706	0.011	-173.223	218.452
5029_5030	5029	5030	2467.766	69.478	-1.706	-0.011	162.987	-585.684
5030_5030	5030	5030	-2467.78	-115.643	1.127	-1.694	-162.987	585.66
5030_5031	5030	5031	2466.972	135.848	-1.127	1.694	153.971	-1588.65
5031_5031	5031	5031	-2466.97	-135.848	4.244	0.357	-153.971	1588.65
5031_5032	5031	5032	2466.165	156.051	-4.244	-0.357	120.021	-2753.15
5032_5032	5032	5032	-2466.17	-156.051	4.244	0.357	-120.021	2753.147
5032_5033	5032	5033	2465.361	176.253	-4.244	-0.357	86.07	-4079.27
5033_5033	5033	5033	-2465.31	-220.66	12.274	-2.721	-86.07	4079.38
5033_5034	5033	5034	2464.982	240.224	-12.274	2.721	-9.019	-5863.46
5034_5034	5034	5034	-2464.98	-240.224	12.274	-2.721	9.019	5863.462
5034_5035	5034	5035	2464.652	259.788	-12.274	2.721	-104.108	-7799.12
5035_5035	5035	5035	-2464.01	-259.791	14.797	5.161	104.012	7796.033
5035_5036	5035	5036	2463.614	286.293	-14.797	-5.161	-244.207	-10381.6
5036_5036	5036	5036	148.767	550.218	0.791	-30.675	-0.394	32834.13
5036_5037	5036	5037	-144.829	-509.121	-0.791	30.67	-9.581	-26164.1
5037_5037	5037	5037	130.831	512.602	0.711	27.664	3.514	26163.29
5037_5038	5037	5038	-128.745	-474.052	-0.711	-27.67	-12.442	-19974.8
5038_5038	5038	5038	112.999	437.846	-0.31	-5.356	15.208	19975.22
5038_5039	5038	5039	-112.766	-398.964	0.31	5.364	-11.087	-14421.3
5039_5039	5039	5039	637.522	394.564	-0.463	4.678	12.177	11543.5
5039_5040	5039	5040	-646.967	-362.605	0.463	-4.677	-6.733	-7168.74
5040_5040	5040	5040	638.832	318.782	0.166	0.626	6.915	7170.034
5040_5041	5040	5041	-622.911	-296.766	-0.166	-0.629	-8.282	-4735.21
5041_5041	5041	5041	706.385	299.517	0.053	-0.279	8.323	4311.772
5041_5042	5041	5042	-638.973	-261.884	-0.053	0.279	-9.16	-206.528
5042_5042	5042	5042	638.977	214.265	0.002	0.01	9.16	206.548
5042_5043	5042	5043	-589.55	-185.721	-0.002	-0.01	-9.188	1952.99
5043_5043	5043	5043	589.55	185.721	0.002	0.01	9.188	-1952.99
5043_5044	5043	5044	-540.122	-157.177	-0.002	-0.01	-9.216	3772.106

5044_5044	5044	5044	540.134	112.3	-0.052	-0.259	9.216	-3772.16
5044_5045	5044	5045	-490.502	-83.738	0.052	0.259	-8.59	4715.306
5045_5045	5045	5045	490.502	83.738	-0.049	0.335	8.59	-4715.31
5045_5046	5045	5046	-440.913	-55.2	0.049	-0.335	-8.011	5317.247
5046_5046	5046	5046	440.918	9.926	0.159	6.168	8.011	-5317.32
5046_5047	5046	5047	-391.268	18.632	-0.159	-6.168	-9.911	5038.79
5047_5047	5047	5047	391.268	-18.632	0.072	-6.033	9.911	-5038.79
5047_5048	5047	5048	-341.667	47.161	-0.072	6.033	-10.767	4420.287
5048_5048	5048	5048	341.667	-92.066	-0.165	3.861	10.767	-4420.34
5048_5049	5048	5049	-292.194	120.618	0.165	-3.861	-8.797	2925.913
5049_5049	5049	5049	292.194	-120.618	-0.256	-3.672	8.797	-2925.91
5049_5050	5049	5050	-242.728	149.165	0.256	3.672	-5.739	1091.15
5050_5050	5050	5050	242.73	-193.359	0.404	-0.695	5.739	-1091.18
5050_5051	5050	5051	-177.001	230.956	-0.404	0.695	-12.091	-2541.37
5051_5051	5051	5051	176.056	-229.127	0.332	2.244	12.087	2559.827
5051_5052	5051	5052	-143.66	249.541	-0.332	-2.243	-14.829	-4685.32
5052_5052	5052	5052	150.723	-291.959	0.001	-6.114	14.61	4686.057
5052_5053	5052	5053	-110.942	321.407	-0.001	6.118	-14.619	-8495.03
5053_5053	5053	5053	103.558	-318.566	-0.08	10.599	22.037	8584.328
5053_5054	5053	5054	-81.7	356.264	0.08	-10.589	-20.98	-13219.3
5054_5054	5054	5054	95.566	-393.36	-0.203	-15.185	19.006	13221.42
5054_5055	5054	5055	-88.617	430.548	0.203	15.186	-16.454	-18508.2
5055_5055	5055	5055	100.7	-426.354	-0.289	16.617	19.832	18511.29
5055_5056	5055	5056	-103.992	465.707	0.289	-16.614	-16.188	-24208.9
5056_5056	5056	5056	-2031.12	264.773	-10.106	0.202	217.84	7511.723
5056_5057	5056	5057	2037.614	-239.04	10.106	-0.202	-121.9	-5151.25
5057_5057	5057	5057	-2039.26	239.04	-11.039	-1.884	122.787	5120.422
5057_5058	5057	5058	2044.609	-218.496	11.039	1.884	-37.238	-3373.05
5058_5058	5058	5058	-2044.62	218.496	-8.178	3.24	37.238	3373.041
5058_5059	5058	5059	2049.966	-197.954	8.178	-3.24	26.13	-1785.01
5059_5059	5059	5059	-2049.97	156.151	-8.343	-1.796	-26.13	1785.012
5059_5060	5059	5060	2055.905	-134.918	8.343	1.796	92.954	-647.286
5060_5060	5060	5060	-2055.92	134.918	-2.992	1.566	-92.954	647.283
5060_5061	5060	5061	2061.849	-113.714	2.992	-1.566	116.886	319.119
5061_5061	5061	5061	-2061.85	113.714	-2.992	1.566	-116.886	-319.119
5061_5062	5061	5062	2067.78	-92.511	2.992	-1.566	140.817	1115.932
5062_5062	5062	5062	-2067.78	48.748	-1.457	0.827	-140.817	-1115.89
5062_5063	5062	5063	2072.703	-32.833	1.457	-0.827	149.567	1337.932
5063_5063	5063	5063	-2072.7	32.833	-1.705	0.87	-149.567	-1337.93
5063_5064	5063	5064	2077.614	-16.944	1.705	-0.87	159.783	1464.301
5064_5064	5064	5064	-2077.61	16.944	2.238	0.07	-159.783	-1464.3
5064_5065	5064	5065	2082.531	-1.031	-2.238	-0.07	146.351	1495.422
5065_5065	5065	5065	-2082.53	1.031	2.238	0.07	-146.351	-1495.42
5065_5066	5065	5066	2087.449	14.882	-2.238	-0.07	132.919	1431.019
5066_5066	5066	5066	-2087.45	-58.904	4.226	-0.067	-132.919	-1430.92
5066_5067	5066	5067	2094.517	80.103	-4.226	0.067	99.126	842.691
5067_5067	5067	5067	-2094.52	-80.103	4.226	-0.067	-99.126	-842.691
5067_5068	5067	5068	2101.582	101.301	-4.226	0.067	65.333	84.96
5068_5068	5068	5068	-2101.57	-101.301	7.174	1.532	-65.333	-84.962
5068_5069	5068	5069	2108.648	122.524	-7.174	-1.532	7.897	-843.459
5069_5069	5069	5069	-2108.63	-163.582	9.216	-4.431	-7.897	843.532
5069_5070	5069	5070	2116.012	184.114	-9.216	4.431	-63.481	-2223.64
5070_5070	5070	5070	-2116	-184.114	12.255	0.595	63.481	2223.638
5070_5071	5070	5071	2123.386	204.671	-12.255	-0.595	-158.51	-3764.72
5071_5071	5071	5071	-2120.17	-204.666	13.587	4.014	160.047	3789.515

5071_5072	5071	5072	2129.029	230.408	-13.587	-4.014	-289.086	-5896.06
5072_5072	5072	5072	63.652	501.71	0.117	-14.934	21.68	22242.3
5072_5073	5072	5073	-32.648	-462.738	-0.117	14.939	-23.151	-16232.6
5073_5073	5073	5073	19.744	467.006	0.028	15.749	19.864	16230.66
5073_5074	5073	5074	10.415	-430.283	-0.028	-15.745	-20.22	-10644.4
5074_5074	5074	5074	-24.937	396.182	0.478	0.26	21.594	10643.58
5074_5075	5074	5075	48.811	-358.9	-0.478	-0.241	-27.944	-5645.58
5075_5075	5075	5075	444.643	355.718	-0.181	0.566	16.561	2938.687
5075_5076	5075	5076	-450.952	-327.272	0.181	-0.569	-14.429	1042.577
5076_5076	5076	5076	443.496	286.969	-0.06	4.666	14.386	-1041.84
5076_5077	5076	5077	-436.006	-267.29	0.06	-4.666	-13.887	3279.478
5077_5077	5077	5077	403.13	269.989	-0.128	-3.748	15.642	-3250.35
5077_5078	5077	5078	-378.819	-233.93	0.128	3.748	-13.811	6726.505
5078_5078	5078	5078	378.82	193.45	-0.062	10.193	13.811	-6726.62
5078_5079	5078	5079	-360.228	-165.091	0.062	-10.193	-13.112	8648.006
5079_5079	5079	5079	360.228	165.091	-0.155	-9.665	13.112	-8648.01
5079_5080	5079	5080	-341.638	-136.736	0.155	9.665	-11.374	10251.22
5080_5080	5080	5080	341.643	97.07	0.073	11.926	11.374	-10251.3
5080_5081	5080	5081	-323.4	-68.714	-0.073	-11.926	-12.195	11093.22
5081_5081	5081	5081	323.4	68.714	-0.019	-11.467	12.195	-11093.2
5081_5082	5081	5082	-305.159	-40.361	0.019	11.467	-11.977	11617.11
5082_5082	5082	5082	305.167	-0.802	-0.111	0.372	11.977	-11617.3
5082_5083	5082	5083	-286.088	31.254	0.111	-0.372	-10.64	11332.43
5083_5083	5083	5083	286.088	-31.254	-0.113	-0.125	10.64	-11332.4
5083_5084	5083	5084	-266.993	61.731	0.113	0.125	-9.278	10680.11
5084_5084	5084	5084	266.995	-102.886	-0.103	9.283	9.278	-10680.3
5084_5085	5084	5085	-249.596	131.235	0.103	-9.283	-8.12	9283.902
5085_5085	5085	5085	249.595	-131.235	-0.196	-9.222	8.12	-9283.9
5085_5086	5085	5086	-232.197	159.581	0.196	9.222	-5.923	7569.863
5086_5086	5086	5086	232.195	-198.958	-0.038	5.254	5.923	-7569.92
5086_5087	5086	5087	-215.29	227.305	0.038	-5.254	-5.501	5098.851
5087_5087	5087	5087	215.289	-227.305	-0.132	-5.213	5.501	-5098.85
5087_5088	5087	5088	-198.37	255.674	0.132	5.213	-4.018	2307.609
5088_5088	5088	5088	198.378	-293.816	0.216	-1.102	4.018	-2307.63
5088_5089	5088	5089	-177.444	328.511	-0.216	1.102	-6.977	-2063.12
5089_5089	5089	5089	180.286	-326.636	0.149	1.223	6.939	2119.56
5089_5090	5089	5090	-167.783	347.441	-0.149	-1.223	-8.172	-4956.82
5090_5090	5090	5090	176.685	-386.606	-0.231	-11.104	7.798	4957.33
5090_5091	5090	5091	-161.506	416.575	0.231	11.101	-5.082	-9757.34
5091_5091	5091	5091	157.998	-412.555	-0.355	9.453	9.663	9840.626
5091_5092	5091	5092	-149.618	449.565	0.355	-9.455	-4.952	-15628
5092_5092	5092	5092	165.95	-485.663	-0.341	-9.417	3.544	15629.68
5092_5093	5092	5093	-164.3	522.237	0.341	9.412	0.729	-22001.3
5093_5093	5093	5093	178.731	-516.958	-0.385	9.619	1.237	22004.05
5093_5094	5093	5094	-182.046	555.789	0.385	-9.624	3.608	-28793.7
5094_5094	5094	5094	-2277.98	235.409	-6.701	-3.355	84.486	8061.39
5094_5095	5094	5095	2280.278	-210.118	6.701	3.355	-20.861	-5957.48
5095_5095	5095	5095	-2281.84	210.12	-5.693	-0.765	20.245	5965.079
5095_5096	5095	5096	2283.621	-190.06	5.693	0.765	23.902	-4422.27
5096_5096	5096	5096	-2283.63	190.06	-2.679	5.298	-23.902	4422.27
5096_5097	5096	5097	2285.403	-170.026	2.679	-5.298	44.647	-3036.76
5097_5097	5097	5097	-2285.41	129.9	0.183	-0.827	-44.647	3036.721
5097_5098	5097	5098	2287.627	-109.193	-0.183	0.827	43.18	-2090.39
5098_5098	5098	5098	-2287.63	109.193	0.183	-0.827	-43.18	2090.39
5098_5099	5098	5099	2289.842	-88.487	-0.183	0.827	41.713	-1309.78

5099_5099	5099	5099	-2289.84	88.487	3.111	1.426	-41.713	1309.783
5099_5100	5099	5100	2292.053	-67.808	-3.111	-1.426	16.847	-695.585
5100_5100	5100	5100	-2292.05	25.298	3.631	2.022	-16.847	695.585
5100_5101	5100	5101	2294.12	-9.769	-3.631	-2.022	-4.949	-599.816
5101_5101	5101	5101	-2294.11	9.769	7.651	4.052	4.949	599.812
5101_5102	5101	5102	2296.177	5.759	-7.651	-4.052	-50.87	-597.252
5102_5102	5102	5102	-2296.18	-5.759	-8.425	-4.269	50.87	597.254
5102_5103	5102	5103	2298.243	21.29	8.425	4.269	-0.293	-687.923
5103_5103	5103	5103	-2298.25	-21.29	-4.534	-2.057	0.293	687.927
5103_5104	5103	5104	2300.316	36.795	4.534	2.057	26.879	-871.44
5104_5104	5104	5104	-2300.32	-79.576	-2.992	-1.973	-26.879	871.446
5104_5105	5104	5105	2303.598	100.283	2.992	1.973	50.827	-1605.95
5105_5105	5105	5105	-2303.6	-100.283	-0.069	0.897	-50.827	1605.95
5105_5106	5105	5106	2306.876	120.963	0.069	-0.897	51.375	-2504.93
5106_5106	5106	5106	-2306.88	-120.963	0.022	1.021	-51.375	2504.925
5106_5107	5106	5107	2310.156	141.669	-0.022	-1.021	51.199	-3570.65
5107_5107	5107	5107	-2310.15	-181.648	4.294	-3.22	-51.199	3570.7
5107_5108	5107	5108	2313.773	201.706	-4.294	3.22	17.909	-5072.86
5108_5108	5108	5108	-2313.77	-201.706	4.205	-3.439	-17.909	5072.863
5108_5109	5108	5109	2317.393	221.739	-4.205	3.439	-14.654	-6728.3
5109_5109	5109	5109	-2318	-221.748	6.747	4.681	14.239	6731.318
5109_5110	5109	5110	2322.623	247.062	-6.747	-4.681	-78.355	-8979.48
5110_5110	5110	5110	154.217	538.068	0.011	-20.238	8.791	29837.53
5110_5111	5110	5111	-137.925	-499.404	-0.011	20.239	-8.927	-23338.8
5111_5111	5111	5111	124.061	504.465	-0.073	19.525	4.784	23336.87
5111_5112	5111	5112	-108.241	-468.095	0.073	-19.525	-3.866	-17263.9
5112_5112	5112	5112	92.811	437.022	0.117	-3.203	5.795	17263.13
5112_5113	5112	5113	-79.75	-400.18	-0.117	3.203	-7.355	-11718.7
5113_5113	5113	5113	510.569	398.891	-0.15	4.091	13.82	9343.26
5113_5114	5113	5114	-515.709	-369.1	0.15	-4.096	-12.051	-4879.91
5114_5114	5114	5114	507.412	330.53	-0.017	0.676	12.157	4880.85
5114_5115	5114	5115	-495.683	-309.963	0.017	-0.679	-12.014	-2311.45
5115_5115	5115	5115	550.801	312.613	-0.05	-0.036	11.87	1867.432
5115_5116	5115	5116	-507.591	-279.079	0.05	0.036	-11.161	2142.72
5116_5116	5116	5116	507.591	238.197	-0.247	3.731	11.161	-2142.72
5116_5117	5116	5117	-475.308	-211.799	0.247	-3.731	-8.396	4513.359
5117_5117	5117	5117	475.308	211.799	-0.29	-3.521	8.396	-4513.36
5117_5118	5117	5118	-443.026	-185.402	0.29	3.521	-5.143	6587.994
5118_5118	5118	5118	443.026	146.516	0.007	4.898	5.143	-6588
5118_5119	5118	5119	-411.351	-120.12	-0.007	-4.898	-5.222	7933.258
5119_5119	5119	5119	411.351	120.12	-0.036	-4.773	5.222	-7933.26
5119_5120	5119	5120	-379.677	-93.724	0.036	4.773	-4.814	8982.557
5120_5120	5120	5120	379.677	53.307	-0.154	14.275	4.814	-8982.55
5120_5121	5120	5121	-346.566	-24.933	0.154	-14.275	-2.957	9297.457
5121_5121	5121	5121	346.565	24.933	-0.275	-14.186	2.957	-9297.46
5121_5122	5121	5122	-313.482	3.416	0.275	14.186	0.351	9270.591
5122_5122	5122	5122	313.482	-43.101	-0.111	4.448	-0.351	-9270.6
5122_5123	5122	5123	-283.357	69.496	0.111	-4.448	1.592	8496.725
5123_5123	5123	5123	283.357	-69.496	-0.154	-4.441	-1.592	-8496.73
5123_5124	5123	5124	-253.233	95.89	0.154	4.441	3.32	7426.962
5124_5124	5124	5124	253.226	-133.986	0.001	5.701	-3.32	-7426.93
5124_5125	5124	5125	-223.621	160.381	-0.001	-5.701	3.311	5636.448
5125_5125	5125	5125	223.62	-160.381	-0.086	-5.758	-3.311	-5636.45
5125_5126	5125	5126	-194.015	186.774	0.086	5.758	4.275	3550.105
5126_5126	5126	5126	194.008	-222.454	-0.492	-0.089	-4.275	-3550.1

5126_5127	5126	5127	-157.468	254.639	0.492	0.089	11.004	115.633
5127_5127	5127	5127	161.236	-252.811	-0.553	-0.043	-11.048	-73.858
5127_5128	5127	5128	-138.719	271.748	0.553	0.043	15.614	-2193.85
5128_5128	5128	5128	145.887	-305.364	1.307	-4.938	-15.782	2194.535
5128_5129	5128	5129	-119.349	332.676	-1.307	4.94	0.415	-6086.23
5129_5129	5129	5129	120.277	-328.087	1.127	9.073	-2.552	6133.592
5129_5130	5129	5130	-109.831	363.858	-1.127	-9.065	-12.411	-10829.3
5130_5130	5130	5130	123.613	-397.72	-3.439	-7.527	11.207	10831.52
5130_5131	5130	5131	-124.8	433.073	3.439	7.515	31.953	-16114.8
5131_5131	5131	5131	136.871	-427.665	-3.482	7.666	-30.464	16118.08
5131_5132	5131	5132	-144.815	465.219	3.482	-7.679	74.286	-21787.8
5132_5132	5132	5132	-1926.91	227.154	23.116	9.682	-285.838	5869.491
5132_5133	5132	5133	1929.142	-202.684	-23.116	-9.682	66.238	-3839.05
5133_5133	5133	5133	-1937.42	202.684	25.857	15.451	-66.09	3879.595
5133_5134	5133	5134	1939.594	-184.434	-25.857	-15.451	-134.305	-2390.46
5134_5134	5134	5134	-1939.75	184.434	-1.402	-23.319	134.305	2390.413
5134_5135	5134	5135	1941.931	-166.158	1.402	23.319	-123.426	-1040.99
5135_5135	5135	5135	-1941.91	118.209	-3.435	-0.702	123.426	1041.341
5135_5136	5135	5136	1943.736	-99.368	3.435	0.702	-95.948	-180.565
5136_5136	5136	5136	-1943.74	99.368	-0.791	0.413	95.948	180.565
5136_5137	5136	5137	1945.564	-80.528	0.791	-0.413	-89.621	529.468
5137_5137	5137	5137	-1945.56	80.528	-3.464	0.125	89.621	-529.468
5137_5138	5137	5138	1947.383	-61.711	3.464	-0.125	-61.939	1088.173
5138_5138	5138	5138	-1947.39	16.486	-3.312	0.172	61.939	-1088.29
5138_5139	5138	5139	1949.162	-2.355	3.312	-0.172	-42.068	1136.087
5139_5139	5139	5139	-1949.16	2.355	0.213	-0.324	42.068	-1136.09
5139_5140	5139	5140	1950.932	11.775	-0.213	0.324	-43.347	1099.094
5140_5140	5140	5140	-1950.93	-11.775	-3.312	0.05	43.347	-1099.09
5140_5141	5140	5141	1952.698	25.906	3.312	-0.05	-23.475	977.311
5141_5141	5141	5141	-1952.7	-25.906	0.213	-0.061	23.475	-977.312
5141_5142	5141	5142	1954.468	40.036	-0.213	0.061	-24.754	770.745
5142_5142	5142	5142	-1954.47	-84.439	-2.212	-0.049	24.754	-770.859
5142_5143	5142	5143	1957.235	103.279	2.212	0.049	-7.058	6.735
5143_5143	5143	5143	-1957.24	-103.279	-2.212	-0.049	7.058	-6.735
5143_5144	5143	5144	1960	122.12	2.212	0.049	10.638	-908.122
5144_5144	5144	5144	-1960	-122.12	-2.212	-0.049	-10.638	908.122
5144_5145	5144	5145	1962.766	140.961	2.212	0.049	28.334	-1973.71
5145_5145	5145	5145	-1962.76	-181.624	-0.845	2.196	-28.334	1973.623
5145_5146	5145	5146	1965.957	199.876	0.845	-2.196	34.883	-3466.91
5146_5146	5146	5146	-1965.96	-199.876	-0.845	2.196	-34.883	3466.91
5146_5147	5146	5147	1969.152	218.127	0.845	-2.196	41.432	-5101.66
5147_5147	5147	5147	-1955.84	-218.122	-3.499	-5.613	-41.362	5036.709
5147_5148	5147	5148	1959.36	242.594	3.499	5.613	74.607	-7241.64
5148_5148	5148	5148	127.746	449.581	0.018	-8.807	-8.918	23493.7
5148_5149	5148	5149	-106.953	-412.182	-0.018	8.803	8.698	-18089.9
5149_5149	5149	5149	95.393	417.574	-0.022	8.131	-10.453	18087.41
5149_5150	5149	5150	-76.211	-382.417	0.022	-8.135	10.728	-13078.5
5150_5150	5150	5150	63.411	355.978	0.111	-0.627	-9.933	13077.02
5150_5151	5150	5151	-49.377	-320.395	-0.111	0.626	8.462	-8580.58
5151_5151	5151	5151	577.505	317.62	0.032	0.273	-7.066	5693.266
5151_5152	5151	5152	-580.613	-289.471	-0.032	-0.274	6.688	-2192.07
5152_5152	5152	5152	574.03	252.909	0.106	-0.066	-6.674	2192.724
5152_5153	5152	5153	-558.664	-233.487	-0.106	0.067	5.802	-273.135
5153_5153	5153	5153	590.657	236.673	0.107	0.034	-5.851	104.472
5153_5154	5153	5154	-543.26	-205.321	-0.107	-0.034	4.38	2724.41

5154_5154	5154	5154	543.26	163.692	0.106	0.018	-4.38	-2724.41
5154_5155	5154	5155	-506.638	-138.592	-0.106	-0.018	3.214	4226.733
5155_5155	5155	5155	506.638	138.592	0.106	0.018	-3.214	-4226.73
5155_5156	5155	5156	-470.016	-113.492	-0.106	-0.018	2.049	5452.939
5156_5156	5156	5156	470.018	73.855	0.038	-0.017	-2.049	-5452.94
5156_5157	5156	5157	-436.691	-51.014	-0.038	0.017	1.673	5932.121
5157_5157	5157	5157	436.691	51.014	0.038	0.076	-1.673	-5932.12
5157_5158	5157	5158	-403.398	-28.196	-0.038	-0.076	1.292	6182.51
5158_5158	5158	5158	403.39	-9.771	0.092	-3.83	-1.292	-6182.49
5158_5159	5158	5159	-370.216	32.612	-0.092	3.83	0.367	5825.281
5159_5159	5159	5159	370.216	-32.612	0.146	3.88	-0.367	-5825.28
5159_5160	5159	5160	-337.042	55.453	-0.146	-3.88	-1.097	5239.422
5160_5160	5160	5160	337.042	-95.619	0.117	0.029	1.097	-5239.45
5160_5161	5160	5161	-300.583	120.719	-0.117	-0.029	-2.386	3890.247
5161_5161	5161	5161	300.583	-120.719	0.117	0.029	2.386	-3890.25
5161_5162	5161	5162	-264.125	145.819	-0.117	-0.029	-3.675	2264.932
5162_5162	5162	5162	264.137	-184.365	-0.101	-0.048	3.675	-2264.91
5162_5163	5162	5163	-217.378	215.718	0.101	0.048	-2.283	-687.981
5163_5163	5163	5163	221.092	-213.295	-0.144	0.177	2.253	682.647
5163_5164	5163	5164	-194.069	232.761	0.144	-0.179	-1.062	-2643.08
5164_5164	5164	5164	200.521	-268.704	0.181	2.936	1.156	2643.767
5164_5165	5164	5165	-166.511	296.8	-0.181	-2.931	-3.281	-6137.39
5165_5165	5165	5165	153.549	-291.305	0.34	-4.344	2.512	6254.414
5165_5166	5165	5166	-133.091	327.538	-0.34	4.348	-7.02	-10521.6
5166_5166	5166	5166	145.871	-359.358	0.193	-6.529	6.716	10524.03
5166_5167	5166	5167	-139.668	395.095	-0.193	6.525	-9.143	-15389.2
5167_5167	5167	5167	150.787	-388.633	0.149	7.011	10.579	15392.71
5167_5168	5167	5168	-155.009	426.519	-0.149	-7.015	-12.459	-20630.7
5168_5168	5168	5168	-1830.64	246.436	-1.354	-2.494	9.682	6145.596
5168_5169	5168	5169	1835.436	-221.63	1.354	2.494	3.186	-3943.68
5169_5169	5169	5169	-1842.77	221.622	1.195	3.066	-2.961	3979.479
5169_5170	5169	5170	1847.053	-202.891	-1.195	-3.066	-6.291	-2355.85
5170_5170	5170	5170	-1847.05	202.891	-1.437	-0.656	6.291	2355.851
5170_5171	5170	5171	1851.339	-184.135	1.437	0.656	4.846	-875.37
5171_5171	5171	5171	-1851.33	138.431	1.662	0.445	-4.846	875.236
5171_5172	5171	5172	1855.984	-119.071	-1.662	-0.445	-8.45	134.035
5172_5172	5172	5172	-1855.98	119.071	-0.915	-0.221	8.45	-134.035
5172_5173	5172	5173	1860.641	-99.711	0.915	0.221	-1.132	988.428
5173_5173	5173	5173	-1860.64	99.711	-0.915	-0.221	1.132	-988.428
5173_5174	5173	5174	1865.297	-80.351	0.915	0.221	6.186	1687.929
5174_5174	5174	5174	-1865.3	32.549	1.966	-0.802	-6.186	-1688.06
5174_5175	5174	5175	1869.083	-18.029	-1.966	0.802	-5.609	1823.097
5175_5175	5175	5175	-1869.08	18.029	-1.47	0.871	5.609	-1823.1
5175_5176	5175	5176	1872.865	-3.509	1.47	-0.871	3.21	1871.014
5176_5176	5176	5176	-1872.87	3.509	1.966	-0.811	-3.21	-1871.01
5176_5177	5176	5177	1876.647	11.011	-1.966	0.811	-8.584	1831.805
5177_5177	5177	5177	-1876.65	-11.011	-1.47	0.736	8.584	-1831.81
5177_5178	5177	5178	1880.429	25.531	1.47	-0.736	0.235	1705.468
5178_5178	5178	5178	-1880.43	-73.426	-0.481	-0.375	-0.235	-1705.61
5178_5179	5178	5179	1885.791	92.787	0.481	0.375	4.081	1017.286
5179_5179	5179	5179	-1885.79	-92.787	-0.481	-0.375	-4.081	-1017.29
5179_5180	5179	5180	1891.148	112.147	0.481	0.375	7.928	174.072
5180_5180	5180	5180	-1891.15	-112.147	2.096	0.731	-7.928	-174.072
5180_5181	5180	5181	1896.504	131.507	-2.096	-0.731	-8.839	-824.02
5181_5181	5181	5181	-1896.5	-175.733	-1.607	-0.89	8.839	824.034

5181_5182	5181	5182	1902.281	194.489	1.607	0.89	3.62	-2283.82
5182_5182	5182	5182	-1902.28	-194.489	1.052	3.572	-3.62	2283.817
5182_5183	5182	5183	1908.063	213.244	-1.052	-3.572	-4.535	-3888.94
5183_5183	5183	5183	-1894.98	-213.235	-1.533	-2.838	4.708	3825.087
5183_5184	5183	5184	1901.732	238.042	1.533	2.838	9.854	-5998
5184_5184	5184	5184	138.04	442.395	-0.056	7.398	-9.154	20509.77
5184_5185	5184	5185	-111.56	-404.797	0.056	-7.397	9.857	-15177.7
5185_5185	5185	5185	100.114	411.85	0	-6.982	-8.326	15174.87
5185_5186	5185	5186	-76.72	-376.458	0	6.983	8.326	-10217.9
5186_5186	5186	5186	63.742	347.284	-0.372	-0.496	-8.907	10216.26
5186_5187	5186	5187	-48.253	-311.37	0.372	0.493	13.841	-5812.78
5187_5187	5187	5187	554.407	310.658	0.075	0.264	-1.979	3043.887
5187_5188	5187	5188	-560.679	-281.286	-0.075	-0.259	1.103	396.841
5188_5188	5188	5188	554.19	241.317	-0.043	-0.002	-1.094	-395.817
5188_5189	5188	5189	-543.326	-221.039	0.043	0	1.452	2234.783
5189_5189	5189	5189	561.647	224.701	-0.051	-0.056	-1.364	-2231.8
5189_5190	5189	5190	-525.476	-190.443	0.051	0.056	2.06	4928.409
5190_5190	5190	5190	525.475	146.614	0.207	-0.03	-2.06	-4928.41
5190_5191	5190	5191	-496.405	-119.207	-0.207	0.03	-0.219	6264.08
5191_5191	5191	5191	496.405	119.207	0.207	-0.03	0.219	-6264.08
5191_5192	5191	5192	-467.334	-91.801	-0.207	0.03	-2.497	7298.262
5192_5192	5192	5192	467.345	48.892	-0.169	0.043	2.497	-7298.27
5192_5193	5192	5193	-440.498	-23.928	0.169	-0.043	-0.806	7546.588
5193_5193	5193	5193	440.498	23.928	-0.169	-0.07	0.806	-7546.59
5193_5194	5193	5194	-413.624	1.062	0.169	0.07	0.893	7544.615
5194_5194	5194	5194	413.603	-42.374	0.159	-0.015	-0.893	-7544.62
5194_5195	5194	5195	-386.634	67.363	-0.159	0.015	-0.705	6877.404
5195_5195	5195	5195	386.634	-67.363	0.159	-0.015	0.705	-6877.4
5195_5196	5195	5196	-359.665	92.353	-0.159	0.015	-2.303	5959.522
5196_5196	5196	5196	359.672	-136.344	-0.024	-0.016	2.303	-5959.52
5196_5197	5196	5197	-329.944	163.751	0.024	0.016	-2.04	4180.365
5197_5197	5197	5197	329.944	-163.751	-0.024	-0.016	2.04	-4180.37
5197_5198	5197	5198	-300.215	191.157	0.024	0.016	-1.777	2099.719
5198_5198	5198	5198	300.218	-234.163	0.027	-0.01	1.777	-2099.72
5198_5199	5198	5199	-261.693	268.396	-0.027	0.01	-2.154	-1519.26
5199_5199	5199	5199	264.854	-265.404	0.025	-0.011	2.065	1444.663
5199_5200	5199	5200	-241.509	286.615	-0.025	0.01	-2.272	-3832.26
5200_5200	5200	5200	249.432	-327.654	-0.006	0.888	2.303	3833.12
5200_5201	5200	5201	-220.159	358.27	0.006	-0.884	-2.235	-8021.34
5201_5201	5201	5201	216.103	-351.017	0.073	-1.298	4.316	8105.55
5201_5202	5201	5202	-202.187	391.608	-0.073	1.305	-5.281	-13161
5202_5202	5202	5202	217.521	-429.724	-0.092	8.289	6.123	13164.08
5202_5203	5202	5203	-214.477	469.593	0.092	-8.293	-4.966	-18911.9
5203_5203	5203	5203	227.617	-461.548	-0.04	-8.528	3.212	18916.38
5203_5204	5203	5204	-232.546	503.57	0.04	8.523	-2.705	-25079
5204_5204	5204	5204	-2098.77	268.606	-2.31	2.3	84.602	7593.005
5204_5205	5204	5205	2101.623	-240.741	2.31	-2.3	-62.656	-5187.45
5205_5205	5205	5205	-2104.08	240.74	-4.927	-3.521	63.887	4941.768
5205_5206	5205	5206	2106.685	-219.489	4.927	3.521	-25.7	-3170.71
5206_5206	5206	5206	-2106.69	219.489	-1.861	1.409	25.7	3170.71
5206_5207	5206	5207	2109.291	-198.238	1.861	-1.409	-11.279	-1564.38
5207_5207	5207	5207	-2109.28	150.925	-3.649	0.067	11.279	1564.376
5207_5208	5207	5208	2112.276	-128.988	3.649	-0.067	17.914	-458.663
5208_5208	5208	5208	-2112.28	128.988	-3.649	0.067	-17.914	458.663
5208_5209	5208	5209	2115.267	-107.052	3.649	-0.067	47.106	471.549

5209_5209	5209	5209	-2115.27	107.052	-3.649	0.067	-47.106	-471.549
5209_5210	5209	5210	2118.259	-85.116	3.649	-0.067	76.299	1226.26
5210_5210	5210	5210	-2118.3	36.462	1.349	-0.235	-76.299	-1226.26
5210_5211	5210	5211	2120.927	-20.01	-1.349	0.235	68.204	1383.659
5211_5211	5211	5211	-2120.93	20.01	-2.612	0.538	-68.204	-1383.66
5211_5212	5211	5212	2123.553	-3.558	2.612	-0.538	83.876	1442.336
5212_5212	5212	5212	-2123.55	3.558	1.349	-0.259	-83.876	-1442.34
5212_5213	5212	5213	2126.179	12.894	-1.349	0.259	75.782	1402.3
5213_5213	5213	5213	-2126.18	-12.894	-2.612	0.397	-75.782	-1402.3
5213_5214	5213	5214	2128.805	29.346	2.612	-0.397	91.454	1263.539
5214_5214	5214	5214	-2128.87	-77.77	1.731	0.315	-91.454	-1263.44
5214_5215	5214	5215	2132.86	99.706	-1.731	-0.315	77.607	535.494
5215_5215	5215	5215	-2132.86	-99.706	4.701	1.04	-77.607	-535.496
5215_5216	5215	5216	2136.851	121.642	-4.701	-1.04	39.993	-367.934
5216_5216	5216	5216	-2136.86	-121.642	1.731	-0.892	-39.993	367.935
5216_5217	5216	5217	2140.851	143.578	-1.731	0.892	26.146	-1446.88
5217_5217	5217	5217	-2140.87	-189.418	2.086	-16.608	-26.146	1446.722
5217_5218	5217	5218	2145.195	210.641	-2.086	16.608	10.001	-3014.33
5218_5218	5218	5218	-2145.19	-210.641	5.188	-10.972	-10.001	3014.343
5218_5219	5218	5219	2149.518	231.892	-5.188	10.972	-30.209	-4748.55
5219_5219	5219	5219	-2141.17	-231.889	19.713	28.653	30.297	4970.979
5219_5220	5219	5220	2146.264	259.752	-19.713	-28.653	-217.568	-7329.56
5220_5220	5220	5220	200.579	513.66	0.524	-35.17	-1.45	24707.44
5220_5221	5220	5221	-178.522	-471.929	-0.524	35.175	-5.144	-18504
5221_5221	5221	5221	165.206	479.848	0.364	34.477	-2.21	18500.46
5221_5222	5221	5222	-145.051	-440.322	-0.364	-34.473	-2.362	-12722.6
5222_5222	5222	5222	129.675	403.511	0.841	-2.552	5.648	12720.76
5222_5223	5222	5223	-114.794	-363.239	-0.841	2.497	-16.805	-7614.37
5223_5223	5223	5223	622.463	362.855	0.509	2.38	-1.123	4770.345
5223_5224	5223	5224	-624.332	-330.689	-0.509	-2.403	-4.862	-756.399
5224_5224	5224	5224	616.573	283.715	0.233	11.942	4.779	757.498
5224_5225	5224	5225	-600.343	-261.465	-0.233	-11.937	-6.698	1400.499
5225_5225	5225	5225	573.786	265.785	0.018	-8.734	7.072	-1202.39
5225_5226	5225	5226	-527.246	-222.599	-0.018	8.734	-7.355	4769.072
5226_5226	5226	5226	527.237	169.019	0.799	20.004	7.355	-4769.02
5226_5227	5226	5227	-491.203	-135.871	-0.799	-20.004	-16.821	6418.325
5227_5227	5227	5227	491.209	135.871	0.574	-19.554	16.821	-6418.33
5227_5228	5227	5228	-455.171	-102.719	-0.574	19.554	-23.623	7674.821
5228_5228	5228	5228	454.996	49.695	0.388	21.296	23.623	-7673.37
5228_5229	5228	5229	-418.744	-14.465	-0.388	-21.296	-28.226	7895.214
5229_5229	5229	5229	418.737	14.632	0.163	-21.088	28.226	-7895.21
5229_5230	5229	5230	-384.716	20.603	-0.163	21.088	-30.164	7710.146
5230_5230	5230	5230	384.65	-74.755	-0.26	12.517	30.164	-7708.9
5230_5231	5230	5231	-350.265	110.975	0.26	-12.517	-26.993	6425.496
5231_5231	5231	5231	350.262	-110.804	-0.435	-13.066	26.993	-6425.49
5231_5232	5231	5232	-318.235	147.029	0.435	13.066	-21.689	4711.771
5232_5232	5232	5232	317.928	-202.543	4.584	5.295	21.689	-4710.98
5232_5233	5232	5233	-295.384	229.852	-4.584	-5.295	-63.817	2623.71
5233_5233	5233	5233	304.403	-226.967	5.33	-0.345	68.4	-2655.89
5233_5234	5233	5234	-287.361	247.874	-5.33	0.396	-105.116	942.741
5234_5234	5234	5234	291.421	-243.199	5.208	-5.567	105.009	-942.019
5234_5235	5234	5235	-272.625	266.869	-5.208	5.717	-145.332	-1124.89
5235_5235	5235	5235	279.318	-307.406	-4.433	-7.215	145.259	1124.829
5235_5236	5235	5236	-266.286	323.973	4.433	7.047	-121.452	-2890.99
5236_5236	5236	5236	226.311	-319.893	-6.326	-1.844	200.497	3132.575

5236_5237	5236	5237	-218.906	351.506	6.326	1.425	-146.967	-6047.86
5237_5237	5237	5237	224.743	-346.744	-6.413	11.417	148.027	6049.517
5237_5238	5237	5238	-222.451	371.803	6.413	-11.82	-105.676	-8475.79
5238_5238	5238	5238	233.146	-418.315	-2.468	-17.987	103.349	8476.054
5238_5239	5238	5239	-234.182	456.602	2.468	17.873	-78.977	-12869.2
5239_5239	5239	5239	259.405	-438.834	-2.567	12.875	82.989	12879.61
5239_5240	5239	5240	-270.021	481.642	2.567	-13.05	-55.56	-17871.5
5240_5240	5240	5240	-1925.28	319.064	-69.441	-5.252	1359.508	5821.865
5240_5241	5240	5241	1934.164	-274.412	69.441	5.252	-506.299	-2213.17
5241_5241	5241	5241	-1931.51	274.515	-60.55	6.99	508.799	2199.152
5241_5242	5241	5242	1935.118	-253.538	60.55	-6.99	-154.317	-668.752
5242_5242	5242	5242	-1935.17	253.613	-58.838	8.183	154.317	668.772
5242_5243	5242	5243	1938.538	-230.838	58.838	-8.183	219.654	856.347
5243_5243	5243	5243	-1940.75	187.86	-11.435	3.251	-219.654	-856.923
5243_5244	5243	5244	1948.129	-152.65	11.435	-3.251	332.023	2498.429
5244_5244	5244	5244	-1948.16	152.771	-3.952	-1.724	-332.023	-2498.44
5244_5245	5244	5245	1954.16	-117.696	3.952	1.724	370.712	3796.197
5245_5245	5245	5245	-1953.39	76.973	-15.95	5.897	-370.712	-3795.38
5245_5246	5245	5246	1958.64	-40.634	15.95	-5.897	532.475	4368.592
5246_5246	5246	5246	-1958.67	40.755	-8.399	-4.922	-532.475	-4368.67
5246_5247	5246	5247	1962.271	-6.778	8.399	4.922	612.111	4577.579
5247_5247	5247	5247	-1962.17	-36.426	-5.85	4.936	-612.111	-4576.69
5247_5248	5247	5248	1965.108	69.727	5.85	-4.936	666.481	4069.628
5248_5248	5248	5248	-1965.14	-69.606	1.057	-3.643	-666.481	-4069.52
5248_5249	5248	5249	1966.982	106.621	-1.057	3.643	655.567	3149.618
5249_5249	5249	5249	-1968.09	-146.153	37.576	1.17	-655.567	-3149.26
5249_5250	5249	5250	1968.816	182.387	-37.576	-1.17	275.599	1483.038
5250_5250	5250	5250	-1968.7	-182.265	43.37	0.977	-275.599	-1483.1
5250_5251	5250	5251	1968.066	216.348	-43.37	-0.977	-136.925	-412.267
5251_5251	5251	5251	-1965.64	-271.204	-25.373	-36.694	136.925	411.037
5251_5252	5251	5252	1965.697	292.875	25.373	36.694	16.527	-2118.46
5252_5252	5252	5252	-1965.74	-292.799	-21.913	-31.11	-16.527	2118.517
5252_5253	5252	5253	1965.258	315.229	21.913	31.11	153.7	-4021.17
5253_5253	5253	5253	-1961.86	-315.129	-16.187	-16.79	-154.436	4004.606
5253_5254	5253	5254	1960.08	349.645	16.187	16.79	308.174	-7156.69
5254_5254	5254	5254	280.872	503.792	-77.582	231.594	-240.183	20496.71
5254_5255	5254	5255	-275.681	-492.739	77.582	-231.713	450.177	-19147.2
5255_5255	5255	5255	258.305	446.133	40.833	-25.619	-416.639	19138.83
5255_5256	5255	5256	-234.65	-396.067	-40.833	25.86	-98.059	-13829.6
5256_5256	5256	5256	225.339	404.372	40.557	38.867	91.491	13825.98
5256_5257	5256	5257	-209.817	-369.343	-40.557	-38.715	-462.088	-10286.5
5257_5257	5257	5257	200.829	319.95	-21.167	-31.935	467.155	10283.59
5257_5258	5257	5258	-190.845	-295.468	21.167	31.954	-329.259	-8275.47
5258_5258	5258	5258	186.203	300.307	-21.337	-10.393	327.248	8274.483
5258_5259	5258	5259	-177.473	-272.686	21.337	10.411	-168.339	-6132.51
5259_5259	5259	5259	118.09	279.056	-21.483	14.532	170.02	6421.826
5259_5260	5259	5260	-113.08	-254.767	21.483	-14.521	-4.905	-4350.56
5260_5260	5260	5260	637.814	207.647	2.185	14.609	-16.754	1680.759
5260_5261	5260	5261	-662.812	-188.251	-2.185	-14.62	3.839	-413.459
5261_5261	5261	5261	660.135	194.404	1.8	-0.042	-3.518	412.798
5261_5262	5261	5262	-680.27	-173.574	-1.8	0.037	-8.015	849.015
5262_5262	5262	5262	705.53	177.918	1.605	-6.097	7.624	-1158.54
5262_5263	5262	5263	-736.521	-138.962	-1.605	6.097	-27.183	3239.584
5263_5263	5263	5263	736.552	76.279	0.835	14.112	27.183	-3239.57
5263_5264	5263	5264	-769.454	-39.782	-0.835	-14.112	-36.72	4060.783

5264_5264	5264	5264	769.443	39.952	0.523	-12.687	36.72	-4060.74
5264_5265	5264	5265	-805.193	-2.765	-0.523	12.687	-42.803	4480.205
5265_5265	5265	5265	805.192	-50.993	0.426	19.956	42.803	-4480.14
5265_5266	5265	5266	-841.441	88.26	-0.426	-19.956	-47.776	3841.526
5266_5266	5266	5266	841.442	-88.09	-0.004	-19.77	47.776	-3841.55
5266_5267	5266	5267	-879.043	124.505	0.004	19.77	-47.729	2808.916
5267_5267	5267	5267	879.12	-180.045	1.61	18.402	47.729	-2808.92
5267_5268	5267	5268	-918.234	216.926	-1.61	-18.402	-66.308	704.143
5268_5268	5268	5268	918.247	-216.756	1.09	-19.069	66.308	-704.139
5268_5269	5268	5269	-959.452	253.532	-1.09	19.069	-78.853	-1807.2
5269_5269	5269	5269	959.473	-306.485	-0.893	5.035	78.853	1807.248
5269_5270	5269	5270	-991.376	334.808	0.893	-5.035	-70.936	-4498.15
5270_5270	5270	5270	991.362	-334.678	-1.208	-5.108	70.936	4498.198
5270_5271	5270	5271	-1024.43	362.884	1.208	5.108	-60.278	-7420.78
5271_5271	5271	5271	946.291	-358.022	-1.714	-6.167	51.321	8073.833
5271_5272	5271	5272	-957.014	380.008	1.714	6.148	-40.352	-10370.5
5272_5272	5272	5272	964.529	-437.072	11.734	-12.118	40.153	10370.12
5272_5273	5272	5273	-959.88	461.433	-11.734	12.179	-122.669	-13497
5273_5273	5273	5273	966.598	-453.39	11.52	-5.086	122.808	13496.37
5273_5274	5273	5274	-946.926	476.478	-11.52	5.178	-198.284	-16555.8
5274_5274	5274	5274	839.795	-469.579	11.903	13.177	185.868	17250.38
5274_5275	5274	5275	-795.118	514.419	-11.903	-12.888	-318.733	-22808.8
5275_5275	5275	5275	810.018	-568.146	-45.626	-44.688	315.179	22812.99
5275_5276	5275	5276	-759.806	609.139	45.626	43.568	134.824	-28729.2
5276_5276	5276	5276	772.231	-599.434	-46.042	41.229	-127.813	28729.51
5276_5277	5276	5277	-725.051	640.562	46.042	-42.472	568.518	-34787.4
5277_5277	5277	5277	386.892	-699.214	73.054	-70.629	-1052.84	37571.35
5277_5278	5277	5278	-389.911	732.921	-73.054	70.163	485.898	-43176.4
5278_5278	5278	5278	-3053.29	451.825	35.644	10.081	-198.213	14816.92
5278_5279	5278	5279	3065.375	-415.204	-35.644	-10.081	-140.075	-10751.7
5279_5279	5279	5279	-3071.98	415.286	45.94	48.358	142.416	11053.11
5279_5280	5279	5280	3079.909	-391.659	-45.94	-48.358	-442.553	-8450.31
5280_5280	5280	5280	-3081.61	319.115	-57.78	-8.642	442.553	8451.604
5280_5281	5280	5281	3090.271	-276.937	57.78	8.642	231.327	-5011.61
5281_5281	5281	5281	-3090.43	277.091	-48.917	6.353	-231.327	5011.695
5281_5282	5281	5282	3097.494	-232.212	48.917	-6.353	838.365	-1881.17
5282_5282	5282	5282	-3146.23	180.554	4.979	-1.419	-851.575	2111.464
5282_5283	5282	5283	3157.626	-142.113	-4.979	1.419	789.898	-160.902
5283_5283	5283	5283	-3157.58	142.242	15.366	1.406	-789.898	160.814
5283_5284	5283	5284	3166.681	-105.988	-15.366	-1.406	610.357	1250.47
5284_5284	5284	5284	-3166.83	-9.176	13.192	0.368	-610.357	-1250.56
5284_5285	5284	5285	3169.904	44.162	-13.192	-0.368	461.616	936.557
5285_5285	5285	5285	-3169.84	-44.048	21.173	0.353	-461.616	-936.682
5285_5286	5285	5286	3171.322	75.291	-21.173	-0.353	248.429	329.002
5286_5286	5286	5286	-3171.32	-158.433	37.833	-3.235	-248.429	-328.76
5286_5287	5286	5287	3174.082	193.837	-37.833	3.235	-183.257	-1693.56
5287_5287	5287	5287	-3173.93	-193.715	49.352	6.149	183.257	1693.562
5287_5288	5287	5288	3175.174	229.301	-49.352	-6.149	-749.266	-4125.87
5288_5288	5288	5288	-3176.52	-231.899	-31.667	-21.899	749.266	4126.011
5288_5289	5288	5289	3177.384	244.306	31.667	21.899	-622.637	-5082.18
5289_5289	5289	5289	-3169.09	-244.235	-26.924	-10.745	622.939	4763.46
5289_5290	5289	5290	3170.218	276.012	26.924	10.745	-367.163	-7240.32
5290_5290	5290	5290	296.184	969.235	-22.838	12.96	90.785	32195.96
5290_5291	5290	5291	-281.414	-929.595	22.838	-13.093	147.771	-22311.9
5291_5291	5291	5291	249.08	848.109	1.52	-30.608	-143.435	22311.05

5291_5292	5291	5292	-233.681	-808.494	-1.52	30.646	126.936	-13355.4
5292_5292	5292	5292	212.239	815.925	1.364	31.029	-130.927	13353.25
5292_5293	5292	5293	-199.808	-781.413	-1.364	-31.004	117.656	-5613.27
5293_5293	5293	5293	179.993	696.446	3.7	-4.636	-115.678	5612.864
5293_5294	5293	5294	-172.358	-670.963	-3.7	4.631	88.683	-643.353
5294_5294	5294	5294	134.39	675.819	3.585	3.669	-86.54	766.649
5294_5295	5294	5295	-128.665	-652.516	-3.585	-3.671	59.167	4286.613
5295_5295	5295	5295	119.927	655.433	3.484	-0.222	-59.109	-4286.86
5295_5296	5295	5296	-116.918	-630.454	-3.484	0.222	30.538	9547.245
5296_5296	5296	5296	17.182	554.294	2.018	17.625	-13.169	-8987.57
5296_5297	5296	5297	-17.946	-541.71	-2.018	-17.625	4.795	11266.41
5297_5297	5297	5297	66.481	541.799	2.132	10.646	-10.278	-11539.8
5297_5298	5297	5298	-67.773	-509.512	-2.132	-10.646	-9.466	16417.61
5298_5298	5298	5298	67.78	509.592	2.044	-20.189	9.466	-16417.6
5298_5299	5298	5299	-69.867	-477.646	-2.044	20.189	-28.2	20954.21
5299_5299	5299	5299	69.798	402.087	-0.059	47.714	28.2	-20955.6
5299_5300	5299	5300	-72.234	-361.426	0.059	-47.714	-27.515	25423.49
5300_5300	5300	5300	72.22	361.53	-0.201	-38.31	27.515	-25423.4
5300_5301	5300	5301	-76.234	-318.327	0.201	38.31	-25.018	29658.94
5301_5301	5301	5301	76.226	238.7	-0.187	58.228	25.018	-29661.3
5301_5302	5301	5302	-81.043	-195.101	0.187	-58.228	-22.674	32400.27
5302_5302	5302	5302	81.062	195.206	-0.329	-54.942	22.674	-32400.4
5302_5303	5302	5303	-86.836	-154.973	0.329	54.942	-18.878	34451.58
5303_5303	5303	5303	86.822	77.129	1.634	68.997	18.878	-34453.8
5303_5304	5303	5304	-93.567	-31.774	-1.634	-68.997	-40.146	35197.39
5304_5304	5304	5304	93.612	31.879	1.475	-72.318	40.146	-35197.6
5304_5305	5304	5305	-100.611	6.627	-1.475	72.318	-56.437	35372.83
5305_5305	5305	5305	100.572	-84.279	-0.317	55.445	56.437	-35375.3
5305_5306	5305	5306	-108.269	126.302	0.317	-55.445	-52.613	34145
5306_5306	5306	5306	108.27	-126.198	-0.437	-48.003	52.613	-34145
5306_5307	5306	5307	-117.299	167.968	0.437	48.003	-47.379	32427.85
5307_5307	5307	5307	117.315	-247.021	1.758	57.784	47.379	-32430.1
5307_5308	5307	5308	-126.666	288.438	-1.758	-57.784	-68.273	29295.72
5308_5308	5308	5308	126.667	-288.333	1.613	-50.344	68.273	-29295.7
5308_5309	5308	5309	-137.647	330.766	-1.613	50.344	-87.906	25581.95
5309_5309	5309	5309	137.679	-399.039	1.932	37.417	87.906	-25583.5
5309_5310	5309	5310	-147.997	441.034	-1.932	-37.417	-111.185	20573.95
5310_5310	5310	5310	148.013	-440.929	1.796	-32.835	111.185	-20574
5310_5311	5310	5311	-159.668	482.749	-1.796	32.835	-132.728	15090.23
5311_5311	5311	5311	159.545	-579.531	-5.585	13.778	132.728	-15090.8
5311_5312	5311	5312	-177.283	623.451	5.585	-13.778	-62.359	7599.206
5312_5312	5312	5312	177.275	-623.349	-5.757	-16.522	62.359	-7599.34
5312_5313	5312	5313	-193.735	661.101	5.757	16.522	0	724.45
5400_5020	5400	5020	2687.997	-244.248	21.885	0.868	-352.887	-3537.18
5400_5401	5400	5401	-2689.05	248.228	-21.885	-0.868	263.413	2530.47
5401_5401	5401	5401	2685.951	-244.531	22.625	-1.31	-257.117	-2530.55
5401_5402	5401	5402	-2686.86	247.924	-22.625	1.31	178.19	1671.592
5402_5402	5402	5402	2692.07	-183.38	17.615	-0.208	-179.1	-1671.5
5402_5403	5402	5403	-2695.16	193.932	-17.615	0.208	-13.28	-388.903
5403_5403	5403	5403	2691.695	-115.921	0.378	-0.76	11.493	388.901
5403_5404	5403	5404	-2693.95	122.816	-0.378	0.76	-14.22	-1249.07
5404_5404	5404	5404	2696.051	-61.296	-1.726	-0.102	14.546	1249.068
5404_5405	5404	5405	-2698.47	68.15	1.726	0.102	-2.088	-1716.29
5405_5405	5405	5405	2698.127	22.032	0.405	-0.405	1.171	1716.294
5405_5406	5405	5406	-2703.43	-8.527	-0.405	0.405	-7.004	-1496.08

5406_5406	5406	5406	2703.169	99.525	0.435	-0.729	6.193	1496.081
5406_5407	5406	5407	-2706.72	-91.345	-0.435	0.729	-10.044	-650.688
5407_5407	5407	5407	2704.204	148.184	-3.583	0.003	10.46	650.682
5407_5408	5407	5408	-2706.66	-142.845	3.583	-0.003	9.442	157.587
5408_5408	5408	5408	2683.694	-431.183	0.278	-1.202	-10.29	-157.587
5408_5409	5408	5409	-2684.39	434.298	-0.278	1.202	9.45	-1148.58
5409_5409	5409	5409	2679.68	416.611	7.008	0.24	-9.233	1149.241
5409_5410	5409	5410	-2678.98	-413.484	-7.008	-0.24	-11.995	107.969
5410_5410	5410	5410	2702.967	-161.797	-2.068	-0.034	11.88	-107.942
5410_5411	5410	5411	-2700.51	167.134	2.068	0.034	-0.393	-805.442
5411_5411	5411	5411	2703.427	-110.413	0.751	-0.867	0.751	805.441
5411_5412	5411	5412	-2699.87	118.59	-0.751	0.867	-7.406	-1819.51
5412_5412	5412	5412	2705.699	-27.231	0.161	-0.555	6.692	1819.533
5412_5413	5412	5413	-2700.39	40.74	-0.161	0.555	-9.01	-2309.46
5413_5413	5413	5413	2705.989	48.415	-1.179	0.332	8.25	2309.503
5413_5414	5413	5414	-2703.57	-41.565	1.179	-0.332	0.256	-1984.94
5414_5414	5414	5414	2701.919	103.298	1.048	-1.319	0.295	1984.944
5414_5415	5414	5415	-2699.66	-96.408	-1.048	1.319	-7.845	-1265.89
5415_5415	5415	5415	2704.798	174.676	-7.889	-0.41	8.905	1265.891
5415_5416	5415	5416	-2701.71	-164.124	7.889	0.41	77.254	584.144
5416_5416	5416	5416	2696.866	229.893	-16.758	-0.494	-76.717	-584.215
5416_5417	5416	5417	-2695.96	-226.495	16.758	0.494	135.256	1381.329
5417_5417	5417	5417	2699.806	224.226	-29.864	-1.487	-137.632	-1381.22
5417_5036	5417	5036	-2698.76	-220.271	29.864	1.487	259.003	2284.481
5420_5056	5420	5056	2231.523	-227.854	13.697	0.951	-151.373	-3791.44
5420_5421	5420	5421	-2232.45	231.387	-13.697	-0.951	95.287	2851.233
5421_5421	5421	5421	2228.924	-228.123	8.052	0.004	-92.192	-2851.24
5421_5422	5421	5422	-2229.73	231.128	-8.052	-0.004	64.118	2050.602
5422_5422	5422	5422	2234.633	-177.582	6.77	0.338	-64.453	-2050.59
5422_5423	5422	5423	-2237.37	186.928	-6.77	-0.338	-9.449	60.965
5423_5423	5423	5423	2235.281	-124.012	0.618	0.075	7.791	-60.969
5423_5424	5423	5424	-2237.28	130.129	-0.618	-0.075	-12.246	-855.647
5424_5424	5424	5424	2239.735	-77.046	-1.155	0.471	12.486	855.643
5424_5425	5424	5425	-2241.88	83.109	1.155	-0.471	-4.16	-1432.81
5425_5425	5425	5425	2241.899	-10.502	-0.193	0.293	4.144	1432.813
5425_5426	5425	5426	-2246.6	22.474	0.193	-0.293	-1.367	-1670.55
5426_5426	5426	5426	2246.408	53.459	1.79	-0.585	0.845	1670.551
5426_5427	5426	5427	-2249.56	-46.217	-1.79	0.585	-16.69	-1229.34
5427_5427	5427	5427	2248.14	92.197	-3.235	1.771	17.913	1229.324
5427_5428	5427	5428	-2250.33	-87.434	3.235	-1.771	0.07	-730.117
5428_5428	5428	5428	2225.517	-389.424	1.743	-0.304	-0.528	730.121
5428_5429	5428	5429	-2226.14	392.203	-1.743	0.304	-4.737	-1910.3
5429_5429	5429	5429	2227.219	398.822	-4.983	0.703	4.647	1912.313
5429_5430	5429	5430	-2226.6	-396.034	4.983	-0.703	10.445	-708.546
5430_5430	5430	5430	2254.045	-84.575	1.462	0.064	-9.161	708.541
5430_5431	5430	5431	-2251.86	89.329	-1.462	-0.064	1.046	-1191.04
5431_5431	5431	5431	2253.261	-40.704	0.934	0.363	-1.165	1191.043
5431_5432	5431	5432	-2250.11	47.954	-0.934	-0.363	-7.106	-1583.84
5432_5432	5432	5432	2251.698	27.104	-0.399	0.249	6.992	1583.864
5432_5433	5432	5433	-2247	-15.135	0.399	-0.249	-1.247	-1279.43
5433_5433	5433	5433	2248.3	88.774	1.511	0.284	1.94	1279.45
5433_5434	5433	5434	-2246.16	-82.705	-1.511	-0.284	-12.842	-660.93
5434_5434	5434	5434	2243.69	133.897	0.757	0.218	12.771	660.931
5434_5435	5434	5435	-2241.69	-127.793	-0.757	-0.218	-18.219	281.18
5435_5435	5435	5435	2243.716	192.983	-15.757	-1.333	20.937	-281.164

5435_5436	5435	5436	-2240.98	-183.625	15.757	1.333	151.285	2339.245
5436_5436	5436	5436	2236.064	236.214	-12.886	5.313	-152.101	-2339.19
5436_5437	5436	5437	-2235.26	-233.211	12.886	-5.313	197.007	3157.108
5437_5437	5437	5437	2238.935	236.69	-24.892	-1.27	-201.291	-3157.42
5437_5072	5437	5072	-2238.01	-233.16	24.892	1.27	303.136	4118.613
5440_5094	5440	5094	2540.702	-210.847	10.659	0.516	-85.46	-2445.48
5440_5441	5440	5441	-2541.62	214.339	-10.659	-0.516	41.894	1576.585
5441_5441	5441	5441	2536.18	-211.34	5.16	0.236	-40.77	-1576.59
5441_5442	5441	5442	-2536.98	214.32	-5.16	-0.236	22.762	833.842
5442_5442	5442	5442	2541.391	-153.391	2.402	-0.139	-23.019	-833.835
5442_5443	5442	5443	-2544.1	162.656	-2.402	0.139	-3.223	-892.636
5443_5443	5443	5443	2540.941	-88.033	1.568	-0.788	2.115	892.636
5443_5444	5443	5444	-2542.92	94.08	-1.568	0.788	-13.408	-1548.32
5444_5444	5444	5444	2544.405	-36.037	-1.488	0.775	14.046	1548.313
5444_5445	5444	5445	-2546.53	42.048	1.488	-0.775	-3.313	-1829.97
5445_5445	5445	5445	2544.455	42.536	-0.327	0.038	4.729	1829.977
5445_5446	5445	5446	-2549.11	-30.682	0.327	-0.038	-0.01	-1302.3
5446_5446	5446	5446	2545.981	116.778	1.806	0.071	0.88	1302.305
5446_5447	5446	5447	-2549.1	-109.601	-1.806	-0.071	-16.879	-299.776
5447_5447	5447	5447	2546.308	162.001	0.373	-0.112	16.952	299.772
5447_5448	5447	5448	-2548.48	-157.28	-0.373	0.112	-19.025	587.697
5448_5448	5448	5448	2531.473	-383.911	-7.769	3.682	20.862	-587.706
5448_5449	5448	5449	-2532.09	386.669	7.769	-3.682	2.631	-577.406
5449_5449	5449	5449	2531.434	383.807	8.621	-3.797	-2.605	577.689
5449_5450	5449	5450	-2530.82	-381.049	-8.621	3.797	-23.471	578.997
5450_5450	5450	5450	2546.779	-161.648	-1.753	0.14	22.247	-578.976
5450_5451	5450	5451	-2544.61	166.361	1.753	-0.14	-12.518	-331.355
5451_5451	5451	5451	2547.579	-112.09	-1.102	-0.21	12.555	331.354
5451_5452	5451	5452	-2544.46	119.269	1.102	0.21	-2.795	-1356.04
5452_5452	5452	5452	2547.507	-33.143	0.128	-0.087	1.697	1356.039
5452_5453	5452	5453	-2542.85	44.998	-0.128	0.087	-3.536	-1919.21
5453_5453	5453	5453	2544.428	39.457	0.569	-0.147	2.789	1919.213
5453_5454	5453	5454	-2542.31	-33.447	-0.569	0.147	-6.891	-1656.25
5454_5454	5454	5454	2540.844	92.506	0.057	0.031	6.776	1656.254
5454_5455	5454	5455	-2538.86	-86.451	-0.057	-0.031	-7.185	-1011.14
5455_5455	5455	5455	2540.111	159.379	-2.412	0.037	7.665	1011.148
5455_5456	5455	5456	-2537.4	-150.124	2.412	-0.037	18.661	677.91
5456_5456	5456	5456	2533.011	211.575	-4.784	-0.16	-18.481	-677.915
5456_5457	5456	5457	-2532.22	-208.596	4.784	0.16	35.173	1410.96
5457_5457	5457	5457	2537.731	213.44	-10.874	-0.492	-36.097	-1410.94
5457_5110	5457	5110	-2536.81	-209.939	10.874	0.492	80.639	2278.059
5460_5132	5460	5132	2155.21	-225.852	-6.79	-1.069	225.24	-3692.15
5460_5461	5460	5461	-2156.13	229.36	6.79	1.069	-197.372	2757.964
5461_5461	5461	5461	2151.411	-226.794	-17.815	0.916	189.727	-2757.94
5461_5462	5461	5462	-2152.21	229.771	17.815	-0.916	-127.587	1961.667
5462_5462	5462	5462	2157.115	-178.065	-15.887	-0.349	128.099	-1961.63
5462_5463	5462	5463	-2159.83	187.325	15.887	0.349	45.396	-33.467
5463_5463	5463	5463	2149.738	-121.038	0.488	0.799	-42.204	33.356
5463_5464	5463	5464	-2151.72	127.091	-0.488	-0.799	38.69	-927.512
5464_5464	5464	5464	2154.079	-77.067	6.515	-0.931	-39.588	927.474
5464_5465	5464	5465	-2156.2	83.076	-6.515	0.931	-7.396	-1504.92
5465_5465	5465	5465	2140.862	-0.784	-0.384	-0.08	6.85	1504.866
5465_5466	5465	5466	-2145.52	12.633	0.384	0.08	-1.317	-1601.53
5466_5466	5466	5466	2119.533	80.126	-1.46	0.479	2.084	1601.626
5466_5467	5466	5467	-2122.65	-72.951	1.46	-0.479	10.842	-923.914

5467_5467	5467	5467	2120.703	116.568	2.548	-1.001	-11.612	923.905
5467_5468	5467	5468	-2122.87	-111.848	-2.548	1.001	-2.551	-289.167
5468_5468	5468	5468	2074.393	-302.446	0.85	-0.55	2.41	289.164
5468_5469	5468	5469	-2075.01	305.203	-0.85	0.55	-4.98	-1207.65
5469_5469	5469	5469	2066.939	301.038	0.034	0.46	-12.321	1185.565
5469_5470	5469	5470	-2066.32	-298.281	-0.034	-0.46	12.219	-279.671
5470_5470	5470	5470	2114.653	-114.395	1.844	-0.539	-11.83	279.691
5470_5471	5470	5471	-2112.48	119.115	-1.844	0.539	1.583	-928.583
5471_5471	5471	5471	2114.521	-74.706	0.247	0.186	-1.894	928.582
5471_5472	5471	5472	-2111.4	81.889	-0.247	-0.186	-0.292	-1622.59
5472_5472	5472	5472	2138.889	8.38	0.318	-0.082	-0.42	1622.488
5472_5473	5472	5473	-2134.23	3.469	-0.318	0.082	-4.168	-1587.11
5473_5473	5473	5473	2152.18	75.912	-0.613	-0.107	3.086	1587.131
5473_5474	5473	5474	-2150.06	-69.903	0.613	0.107	1.333	-1061.36
5474_5474	5474	5474	2147.854	119.858	-0.763	0	-1.36	1061.363
5474_5475	5474	5475	-2145.88	-113.805	0.763	0	6.862	-219.324
5475_5475	5475	5475	2157.987	177.536	3.436	-0.013	-7.587	219.327
5475_5476	5475	5476	-2155.27	-168.275	-3.436	0.013	-29.937	1668.985
5476_5476	5476	5476	2150.615	219.937	4.283	-0.056	29.748	-1668.99
5476_5477	5476	5477	-2149.82	-216.959	-4.283	0.056	-44.687	2431.007
5477_5477	5477	5477	2154.092	220.247	1.216	0.309	47.718	-2430.94
5477_5148	5477	5148	-2153.17	-216.748	-1.216	-0.309	-52.698	3325.671
5480_5168	5480	5168	2085.263	-239.751	2.772	0.068	7.221	-4419.47
5480_5481	5480	5481	-2086.18	243.251	-2.772	-0.068	-18.573	3430.52
5481_5481	5481	5481	2083.076	-241.493	-4.634	-4.821	15.155	-3430.44
5481_5482	5481	5482	-2083.87	244.471	4.634	4.821	1.008	2582.858
5482_5482	5482	5482	2089.191	-193.881	0.357	1.548	0.735	-2582.86
5482_5483	5482	5483	-2091.9	203.132	-0.357	-1.548	-4.631	416.865
5483_5483	5483	5483	2094.158	-141.83	-1.593	0.355	4.592	-416.874
5483_5484	5483	5484	-2096.14	147.883	1.593	-0.355	6.887	-627.148
5484_5484	5484	5484	2099.008	-99.133	1.416	-0.399	-7.199	627.144
5484_5485	5484	5485	-2101.13	105.142	-1.416	0.399	-3.009	-1363.71
5485_5485	5485	5485	2096.606	-26.954	-0.187	-0.032	3.535	1363.75
5485_5486	5485	5486	-2101.26	38.812	0.187	0.032	-0.838	-1837.87
5486_5486	5486	5486	2087.191	52.338	-2.014	0.208	0.645	1837.987
5486_5487	5486	5487	-2090.31	-45.163	2.014	-0.208	17.189	-1406.32
5487_5487	5487	5487	2088.941	88.131	-0.471	-0.457	-17.649	1406.314
5487_5488	5487	5488	-2091.11	-83.412	0.471	0.457	20.268	-929.618
5488_5488	5488	5488	2047.398	-326.543	-0.938	-0.666	-21.231	929.656
5488_5489	5488	5489	-2048.02	329.3	0.938	0.666	24.067	-1920.99
5489_5489	5489	5489	2048.743	330.485	-2.125	1.013	14.336	1922.422
5489_5490	5489	5490	-2048.13	-327.728	2.125	-1.013	-7.912	-927.507
5490_5490	5490	5490	2095.822	-82.978	0.557	-0.524	7.515	927.485
5490_5491	5490	5491	-2093.65	87.698	-0.557	0.524	-10.608	-1401.77
5491_5491	5491	5491	2095.014	-44.633	-0.99	0.284	10.149	1401.775
5491_5492	5491	5492	-2091.9	51.808	0.99	-0.284	-1.387	-1828.75
5492_5492	5492	5492	2109.647	38.927	-0.266	0.001	0.837	1828.809
5492_5493	5492	5493	-2104.99	-27.068	0.266	-0.001	3	-1353.04
5493_5493	5493	5493	2113.785	105.192	1.356	-0.388	-2.743	1353.045
5493_5494	5493	5494	-2111.67	-99.184	-1.356	0.388	-7.039	-616.112
5494_5494	5494	5494	2108.79	148.227	-1.67	0.354	6.732	616.116
5494_5495	5494	5495	-2106.81	-142.175	1.67	-0.354	5.305	430.39
5495_5495	5495	5495	2110.118	204.216	0.827	1.548	-5.637	-430.376
5495_5496	5495	5496	-2107.41	-194.956	-0.827	-1.548	-3.396	2610.067
5496_5496	5496	5496	2102.119	245.445	-4.186	-4.96	5.149	-2610.06

5496_5497	5496	5497	-2101.32	-242.468	4.186	4.96	9.455	3461.038
5497_5497	5497	5497	2104.098	244.398	2.632	0.139	-12.915	-3461.1
5497_5184	5497	5184	-2103.18	-240.899	-2.632	-0.139	2.137	4454.751
5500_5204	5500	5204	2429.91	-245.709	-0.788	0.398	-46.836	-4108.41
5500_5501	5500	5501	-2431	249.847	0.788	-0.398	50.062	3093.777
5501_5501	5501	5501	2429.072	-246.909	4.581	0.322	-47.134	-3093.89
5501_5502	5501	5502	-2430.01	250.431	-4.581	-0.322	31.152	2226.438
5502_5502	5502	5502	2435.323	-192.058	3.625	0.174	-31.398	-2226.44
5502_5503	5502	5503	-2438.53	203.01	-3.625	-0.174	-8.189	69.153
5503_5503	5503	5503	2436.715	-133.723	-2.147	0.745	8.105	-69.145
5503_5504	5503	5504	-2439.06	140.881	2.147	-0.745	7.37	-920.429
5504_5504	5504	5504	2441.671	-84.165	1.368	-0.425	-7.824	920.426
5504_5505	5504	5505	-2444.18	91.271	-1.368	0.425	-2.043	-1553.01
5505_5505	5505	5505	2442.654	-11.939	-0.353	0.208	2.688	1552.984
5505_5506	5505	5506	-2448.16	25.964	0.353	-0.208	2.4	-1826.23
5506_5506	5506	5506	2446	56.317	1.036	0.557	-2.731	1826.256
5506_5507	5506	5507	-2449.69	-47.831	-1.036	-0.557	-6.445	-1365.16
5507_5507	5507	5507	2448.187	98.187	2.843	-0.565	6	1365.161
5507_5508	5507	5508	-2450.73	-92.652	-2.843	0.565	-21.8	-834.845
5508_5508	5508	5508	2418.679	-426.677	-3.251	1.826	23.056	834.781
5508_5509	5508	5509	-2419.4	429.91	3.251	-1.826	-13.228	-2129.55
5509_5509	5509	5509	2419.435	430.162	-2.338	-1.618	13.181	2129.317
5509_5510	5509	5510	-2418.71	-426.929	2.338	1.618	-6.112	-833.79
5510_5510	5510	5510	2447.818	-92.324	2.354	-1.254	6.555	833.795
5510_5511	5510	5511	-2445.28	97.859	-2.354	1.254	-19.638	-1362.29
5511_5511	5511	5511	2446.77	-47.574	-2.237	0.877	18.506	1362.303
5511_5512	5511	5512	-2443.08	56.06	2.237	-0.877	1.299	-1821.12
5512_5512	5512	5512	2442.342	26.288	-0.01	0.026	-0.317	1821.137
5512_5513	5512	5513	-2436.83	-12.263	0.01	-0.026	0.459	-1543.21
5513_5513	5513	5513	2435.118	91.607	2.045	-0.402	-0.234	1543.225
5513_5514	5513	5514	-2432.61	-84.5	-2.045	0.402	-14.512	-908.224
5514_5514	5514	5514	2430.051	139.957	-1.423	0.588	14.066	908.231
5514_5515	5514	5515	-2427.71	-132.808	1.423	-0.588	-3.821	73.42
5515_5515	5515	5515	2427.642	202.99	-6.472	0.795	4.295	-73.42
5515_5516	5515	5516	-2424.43	-192.038	6.472	-0.795	66.384	2230.462
5516_5516	5516	5516	2419.117	250.141	-10.094	-1.048	-65.428	-2230.49
5516_5517	5516	5517	-2418.18	-246.62	10.094	1.048	100.64	3096.9
5517_5517	5517	5517	2419.561	248.739	-41.563	-2.873	-93.644	-3096.9
5517_5220	5517	5220	-2418.47	-244.6	41.563	2.873	263.831	4106.942
5520_5240	5520	5240	2239.986	-509.562	133.815	6.169	-1304.27	-8363.38
5520_5521	5520	5521	-2241.29	518.028	-133.815	-6.169	391.071	4857.075
5521_5521	5521	5521	2304.815	-283.793	36.983	9.558	-384.354	-4865.96
5521_5522	5521	5522	-2305.95	288.032	-36.983	-9.558	255.097	3866.687
5522_5522	5522	5522	2312.482	-231.089	27.174	-1.057	-259.736	-3866.39
5522_5523	5522	5523	-2316.34	244.239	-27.174	1.057	-36.895	1272.039
5523_5523	5523	5523	2324.006	-188.061	0.768	0.561	32.417	-1271.26
5523_5524	5523	5524	-2326.82	196.657	-0.768	-0.561	-37.946	-114.612
5524_5524	5524	5524	2330.741	-142.677	-6.673	0.055	38.081	114.568
5524_5525	5524	5525	-2333.75	151.212	6.673	-0.055	10.035	-1174.08
5525_5525	5525	5525	2337.299	-85.788	-1.357	-0.031	-11.699	1173.39
5525_5526	5525	5526	-2343.92	102.633	1.357	0.031	31.264	-2531.65
5526_5526	5526	5526	2350.873	-30.716	0.816	-1.776	-29.977	2529.389
5526_5527	5526	5527	-2355.3	40.916	-0.816	1.776	22.747	-2846.71
5527_5527	5527	5527	2355.643	8.755	-1.876	1.952	-21.286	2846.719
5527_5528	5527	5528	-2358.67	-2.163	1.876	-1.952	31.708	-2816.4

5528_5528	5528	5528	2314.996	-499.136	-3.2	-7.021	-27.866	2813.99
5528_5529	5528	5529	-2315.86	502.99	3.2	7.021	37.542	-4328.97
5529_5529	5529	5529	2315.161	501.414	-0.153	4.525	-36.984	4324.952
5529_5530	5529	5530	-2314.3	-497.561	0.153	-4.525	37.447	-2815.15
5530_5530	5530	5530	2365.211	-0.894	10.389	-4.106	-40.171	2812.866
5530_5531	5530	5531	-2362.18	7.489	-10.389	4.106	-17.551	-2836.15
5531_5531	5531	5531	2361.845	41.493	5.534	1.406	14.909	2836.171
5531_5532	5531	5532	-2357.41	-31.299	-5.534	-1.406	-63.915	-2513.88
5532_5532	5532	5532	2357.96	112.043	-1.696	-0.522	61.386	2512.786
5532_5533	5532	5533	-2351.35	-95.192	1.696	0.522	-36.934	-1018.42
5533_5533	5533	5533	2346.664	174.138	-3.099	0.602	36.184	1018.14
5533_5534	5533	5534	-2343.65	-165.602	3.099	-0.602	-13.836	206.839
5534_5534	5534	5534	2339.16	220.106	-4.75	0.13	13.895	-206.836
5534_5535	5534	5535	-2336.35	-211.506	4.75	-0.13	20.344	1762.323
5535_5535	5535	5535	2330.991	281.778	24.149	2.315	-16.893	-1761.04
5535_5536	5535	5536	-2327.14	-268.622	-24.149	-2.315	-246.837	4766.533
5536_5536	5536	5536	2320.114	323.685	24.675	-2.411	246.522	-4766.55
5536_5537	5536	5537	-2318.98	-319.459	-24.675	2.411	-332.499	5887.052
5537_5537	5537	5537	2333.908	319.199	-64.107	-100.232	343.225	-5902.08
5537_5254	5537	5254	-2332.6	-314.227	64.107	100.232	-80.709	7199.007
5540_5278	5540	5278	3583.673	-330.088	42.719	107.368	-222.233	-4122.7
5540_5541	5540	5541	-3585.08	335.429	-42.719	-107.368	47.566	2762.148
5541_5541	5541	5541	3597.274	-329.491	6.488	3.438	-45.506	-2804.27
5541_5542	5541	5542	-3598.49	334.053	-6.488	-3.438	22.833	1644.843
5542_5542	5542	5542	3605.604	-245.714	-0.796	0.607	-23.735	-1644.83
5542_5543	5542	5543	-3609.75	259.87	0.796	-0.607	32.422	-1115.48
5543_5543	5543	5543	3618.122	-156.958	3.669	-5.04	-36.332	1110.861
5543_5544	5543	5544	-3621.15	166.212	-3.669	5.04	9.887	-2275.5
5544_5544	5544	5544	3624.057	-80.77	-6.362	1.543	-7.76	2275.508
5544_5545	5544	5545	-3627.3	89.946	6.362	-1.543	53.596	-2890.49
5545_5545	5545	5545	3617.423	26.329	1.002	-1.923	-55.116	2885.466
5545_5546	5545	5546	-3624.54	-8.202	-1.002	1.923	40.671	-2636.55
5546_5546	5546	5546	3607.828	128.227	11.328	-1.73	-40.423	2633.114
5546_5547	5546	5547	-3612.6	-117.258	-11.328	1.73	-59.878	-1546.28
5547_5547	5547	5547	3609.467	190.901	6.054	-0.745	60.843	1546.245
5547_5548	5547	5548	-3612.72	-183.818	-6.054	0.745	-94.502	-504.562
5548_5548	5548	5548	3574.268	-578.383	-19.188	0.402	98.968	496.875
5548_5549	5548	5549	-3575.19	582.518	19.188	-0.402	-40.967	-2251.45
5549_5549	5549	5549	3594.497	601.597	-16.281	-2.962	41.669	2255.116
5549_5550	5549	5550	-3593.54	-597.533	16.281	2.962	6.808	-469.882
5550_5550	5550	5550	3614.196	-189.192	13.608	-2.438	-5.454	470.253
5550_5551	5550	5551	-3610.76	196.352	-13.608	2.438	-71.629	-1562.21
5551_5551	5551	5551	3614.302	-114.563	5.852	-0.755	70.061	1562.284
5551_5552	5551	5552	-3609.62	124.93	-5.852	0.755	-119.353	-2570.84
5552_5552	5552	5552	3606.865	11.912	0.028	-1.958	118.01	2570.101
5552_5553	5552	5553	-3599.73	5.709	-0.028	1.958	-118.402	-2526.46
5553_5553	5553	5553	3600.297	122.862	-7.113	-0.972	116.842	2525.557
5553_5554	5553	5554	-3597.07	-113.916	7.113	0.972	-66.76	-1691.99
5554_5554	5554	5554	3592.938	206.404	-11.177	-0.737	66.065	1692.015
5554_5555	5554	5555	-3589.94	-197.373	11.177	0.737	12.673	-269.796
5555_5555	5555	5555	3599.722	316.162	-20.28	2.025	-11.554	270.114
5555_5556	5555	5556	-3595.68	-302.344	20.28	-2.025	227.692	3025.731
5556_5556	5556	5556	3585.822	402.247	-28.943	0.825	-225.571	-3025.89
5556_5557	5556	5557	-3584.65	-397.768	28.943	-0.825	324.806	4397.339
5557_5557	5557	5557	3572.057	398.893	1.632	-17.853	-327.979	-4403.78

5557_5290	5557	5290	-3570.19	-391.711	-1.632	17.853	319.017	6575.142
6000_6000	6000	6000	7.312	12.769	-0.07	-0.013	0	-8.642
6000_6001	6000	6001	-20.714	6.012	0.07	0.013	0.816	61.773
6001_6001	6001	6001	20.714	-6.012	-0.07	0.056	-0.816	-61.773
6001_6002	6001	6002	-31.825	21.585	0.07	-0.056	1.492	-59.682
6002_6002	6002	6002	31.838	21.025	0.083	-0.015	-1.492	59.794
6002_6003	6002	6003	-28.718	-1.427	-0.083	0.015	0.483	73.165
6003_6003	6003	6003	28.717	1.427	0.083	0.045	-0.483	-73.165
6003_6004	6003	6004	-25.596	18.173	-0.083	-0.045	-0.526	-31.543
6004_6004	6004	6004	25.594	20.019	-0.022	0.006	0.526	31.545
6004_6005	6004	6005	-26.001	-0.416	0.022	-0.006	-0.258	92.835
6005_6005	6005	6005	26.001	0.416	-0.022	0.015	0.258	-92.835
6005_6006	6005	6006	-26.408	19.171	0.022	-0.015	0.011	-20.372
6006_6006	6006	6006	26.393	19.833	0.009	0.004	-0.011	20.558
6006_6007	6006	6007	-26.032	-0.23	-0.009	-0.004	-0.099	100.773
6007_6007	6007	6007	26.032	0.23	0.009	0.004	0.099	-100.773
6007_6008	6007	6008	-25.67	19.374	-0.009	-0.004	-0.208	-15.673
6008_6008	6008	6008	25.697	19.456	-0.002	0.038	0.208	15.317
6008_6009	6008	6009	-25.448	0.135	0.002	-0.038	-0.19	101.535
6009_6009	6009	6009	25.448	-0.135	-0.002	-0.043	0.19	-101.535
6009_6010	6009	6010	-25.2	19.724	0.002	0.043	-0.172	-19.069
6010_6010	6010	6010	25.173	19.206	-0.001	-0.013	0.172	19.349
6010_6011	6010	6011	-25.62	0.401	0.001	0.013	-0.157	95.195
6011_6011	6011	6011	25.62	-0.401	-0.001	-0.003	0.157	-95.195
6011_6012	6011	6012	-26.067	19.992	0.001	0.003	-0.142	-27.933
6012_6012	6012	6012	26.064	18.79	0.011	-0.012	0.142	27.969
6012_6013	6012	6013	-23.226	0.806	-0.011	0.012	-0.27	77.92
6013_6013	6013	6013	23.226	-0.806	0.011	-0.012	0.27	-77.92
6013_6014	6013	6014	-20.388	20.401	-0.011	0.012	-0.398	-53.778
6014_6014	6014	6014	20.371	18.493	-0.009	-0.004	0.398	53.967
6014_6015	6014	6015	-38.218	7.369	0.009	0.004	-0.259	54.342
6015_6015	6015	6015	38.154	-7.372	-0.009	-0.033	0.26	-54.247
6015_6016	6015	6016	-47.347	20.701	0.009	0.033	-0.187	-51.569
6016_6016	6016	6016	16.948	19.749	-0.009	-0.014	0.302	101.885
6016_6017	6016	6017	-20.824	-1.024	0.009	0.014	-0.192	24.398
6017_6017	6017	6017	20.824	1.024	-0.009	-0.014	0.192	-24.398
6017_6018	6017	6018	-25.195	20.09	0.009	0.014	-0.067	-97.243
6018_6018	6018	6018	25.193	19.587	0.067	-0.011	0.067	97.189
6018_6019	6018	6019	-23.309	0.308	-0.067	0.011	-0.898	21.54
6019_6019	6019	6019	23.309	-0.308	0.067	-0.013	0.898	-21.54
6019_6020	6019	6020	-21.424	20.218	-0.067	0.013	-1.731	-108.414
6020_6020	6020	6020	21.366	20.886	-0.042	-0.005	1.731	108.372
6020_6021	6020	6021	-22.057	-5.745	0.042	0.005	-1.327	18.786
6021_6021	6021	6021	22.039	5.745	-0.042	-0.027	1.327	-18.765
6021_6022	6021	6022	-22.602	6.592	0.042	0.027	-1.004	15.959
6022_6022	6022	6022	22.602	-6.592	-0.042	-0.009	1.004	-15.959
6022_6023	6022	6023	-23.166	18.945	0.042	0.009	-0.676	-82.594
6023_6023	6023	6023	23.167	19.479	-0.096	-0.018	0.676	82.498
6023_6024	6023	6024	-23.11	-6.742	0.096	0.018	0.09	22.272
6024_6024	6024	6024	23.11	6.742	-0.096	0.01	-0.09	-22.272
6024_6025	6024	6025	-23.054	5.997	0.096	-0.01	0.861	25.185
6025_6025	6025	6025	23.053	-5.997	-0.096	-0.025	-0.861	-25.185
6025_6026	6025	6026	-22.997	18.75	0.096	0.025	1.627	-73.947
6026_6026	6026	6026	22.997	18.964	-0.016	-0.004	-1.627	73.839
6026_6027	6026	6027	-23.08	-9.42	0.016	0.004	1.721	11.254

6027_6027	6027	6027	23.08	9.42	-0.016	-0.005	-1.721	-11.254
6027_6028	6027	6028	-23.163	0.141	0.016	0.005	1.814	39.153
6028_6028	6028	6028	23.163	-0.141	-0.016	-0.005	-1.814	-39.153
6028_6029	6028	6029	-23.246	9.702	0.016	0.005	1.907	9.668
6029_6029	6029	6029	23.245	-9.702	-0.015	-0.021	-1.907	-9.668
6029_6030	6029	6030	-23.328	19.26	0.015	0.021	1.994	-77.18
6030_6030	6030	6030	23.33	18.366	0.056	0.002	-1.994	77.155
6030_6031	6030	6031	-23.575	-5.618	-0.056	-0.002	1.546	19.003
6031_6031	6031	6031	23.575	5.618	0.057	-0.019	-1.546	-19.003
6031_6032	6031	6032	-23.819	7.112	-0.057	0.019	1.093	13.214
6032_6032	6032	6032	23.819	-7.112	0.056	-0.004	-1.093	-13.214
6032_6033	6032	6033	-24.064	19.86	-0.056	0.004	0.645	-94.537
6033_6033	6033	6033	24.066	18.883	0.056	-0.004	-0.645	94.541
6033_6034	6033	6034	-23.644	-6.542	-0.056	0.004	0.213	3.574
6034_6034	6034	6034	23.644	6.542	0.056	-0.005	-0.213	-3.574
6034_6035	6034	6035	-23.222	5.814	-0.056	0.005	-0.221	6.024
6035_6035	6035	6035	23.222	-5.814	0.056	-0.005	0.221	-6.024
6035_6036	6035	6036	-22.707	20.924	-0.056	0.005	-0.751	-121.247
6036_6036	6036	6036	22.743	20.768	-0.031	-0.011	0.751	121.232
6036_6037	6036	6037	-24.175	-0.842	0.031	0.011	-0.364	15.276
6037_6037	6037	6037	24.175	0.842	-0.031	0.003	0.364	-15.276
6037_6038	6037	6038	-25.606	19.07	0.031	-0.003	0.029	-97.314
6038_6038	6038	6038	25.608	14.574	-0.144	-0.009	-0.029	97.322
6038_6039	6038	6039	-17.328	6.528	0.144	0.009	1.939	-53.041
6039_6039	6039	6039	56.973	-3.812	0.026	0.01	-0.007	-10.099
6039_6040	6039	6040	-104.18	22.179	-0.026	-0.01	-0.3	-91.579
6040_6040	6040	6040	104.184	18.826	-0.014	0.026	0.3	91.672
6040_6041	6040	6041	-106.958	-5.939	0.014	-0.026	-0.186	13.918
6041_6041	6041	6041	106.959	5.939	-0.014	-0.011	0.186	-13.918
6041_6042	6041	6042	-112.198	18.405	0.014	0.011	0.029	-76.598
6042_6042	6042	6042	112.2	20.35	0.01	-0.029	-0.029	76.619
6042_6043	6042	6043	-103.038	-1.726	-0.01	0.029	-0.09	44.892
6043_6043	6043	6043	103.038	1.726	0.01	0.035	0.09	-44.892
6043_6044	6043	6044	-93.884	16.883	-0.01	-0.035	-0.209	-55.363
6044_6044	6044	6044	93.87	19.446	-0.003	0.003	0.209	55.469
6044_6045	6044	6045	-87.695	-0.822	0.003	-0.003	-0.178	58.618
6045_6045	6045	6045	87.695	0.822	-0.003	0.003	0.178	-58.618
6045_6046	6045	6046	-81.52	17.802	0.003	-0.003	-0.146	-49.221
6046_6046	6046	6046	81.519	19.075	0.001	-0.001	0.146	49.221
6046_6047	6046	6047	-74.832	-0.444	-0.001	0.001	-0.152	59.885
6047_6047	6047	6047	74.832	0.444	0.001	0.004	0.152	-59.885
6047_6048	6047	6048	-68.151	18.172	-0.001	-0.004	-0.159	-52.927
6048_6048	6048	6048	68.161	18.625	0.007	0.026	0.159	52.817
6048_6049	6048	6049	-60.629	-0.009	-0.007	-0.026	-0.246	49.887
6049_6049	6049	6049	60.628	0.009	0.007	-0.026	0.246	-49.887
6049_6050	6049	6050	-53.091	18.623	-0.007	0.026	-0.333	-69.352
6050_6050	6050	6050	53.111	17.888	-0.015	-0.002	0.333	69.133
6050_6051	6050	6051	-49.906	6.427	0.015	0.002	-0.101	17.083
6051_6051	6051	6051	49.852	-6.427	-0.015	0.005	0.101	-17.003
6051_6052	6051	6052	-48.152	19.329	0.015	-0.005	0.022	-90.872
6052_6052	6052	6052	48.151	19.547	-0.013	0.001	-0.022	90.764
6052_6053	6052	6053	-26.732	-1.189	0.013	-0.001	0.176	5.673
6053_6053	6053	6053	26.155	2.197	-0.02	0.002	-0.112	-5.542
6053_6054	6053	6054	-28.758	17.874	0.02	-0.002	0.381	-95.618
6054_6054	6054	6054	28.753	18.525	0.073	-0.003	-0.381	95.605

6054_6055	6054	6055	-28.99	0.413	-0.073	0.003	-0.528	18.275
6055_6055	6055	6055	28.991	-0.413	0.073	0.01	0.528	-18.275
6055_6056	6055	6056	-29.228	19.338	-0.073	-0.01	-1.437	-104.453
6056_6056	6056	6056	29.206	19.898	-0.065	0.003	1.437	104.444
6056_6057	6056	6057	-29.296	-5.5	0.065	-0.003	-0.815	16.183
6057_6057	6057	6057	29.277	5.5	-0.065	0.002	0.814	-16.162
6057_6058	6057	6058	-29.351	6.24	0.065	-0.002	-0.308	13.221
6058_6058	6058	6058	29.351	-6.24	-0.065	0.003	0.308	-13.221
6058_6059	6058	6059	-29.424	17.966	0.065	-0.003	0.198	-80.537
6059_6059	6059	6059	29.423	18.882	-0.08	0.009	-0.198	80.614
6059_6060	6059	6060	-28.202	-6.751	0.08	-0.009	0.838	20.717
6060_6060	6060	6060	28.202	6.751	-0.08	-0.012	-0.838	-20.717
6060_6061	6060	6061	-26.983	5.364	0.08	0.012	1.477	24.953
6061_6061	6061	6061	26.983	-5.364	-0.08	0.015	-1.477	-24.952
6061_6062	6061	6062	-25.764	17.48	0.08	-0.015	2.116	-67.721
6062_6062	6062	6062	25.764	18.31	0.005	0.006	-2.116	67.659
6062_6063	6062	6063	-25.158	-9.231	-0.005	-0.006	2.088	14.202
6063_6063	6063	6063	25.158	9.231	0.005	0.005	-2.088	-14.202
6063_6064	6063	6064	-24.552	-0.137	-0.005	-0.005	2.061	41.643
6064_6064	6064	6064	24.552	0.137	0.005	0.005	-2.061	-41.643
6064_6065	6064	6065	-23.945	8.957	-0.005	-0.005	2.033	14.484
6065_6065	6065	6065	23.945	-8.957	0.005	0.006	-2.033	-14.484
6065_6066	6065	6066	-23.339	18.036	-0.005	-0.006	2.005	-67.096
6066_6066	6066	6066	23.338	17.985	0.095	0.005	-2.005	67.209
6066_6067	6066	6067	-22.156	-5.858	-0.095	-0.005	1.248	26.87
6067_6067	6067	6067	22.156	5.858	0.095	0.007	-1.248	-26.87
6067_6068	6067	6068	-20.977	6.254	-0.095	-0.007	0.492	23.922
6068_6068	6068	6068	20.977	-6.254	0.095	0.007	-0.492	-23.922
6068_6069	6068	6069	-19.797	18.365	-0.095	-0.007	-0.264	-75.875
6069_6069	6069	6069	19.799	17.738	0.047	0.003	0.264	75.999
6069_6070	6069	6070	-19.891	-5.991	-0.047	-0.003	-0.626	16.271
6070_6070	6070	6070	19.891	5.991	0.047	0.004	0.626	-16.271
6070_6071	6070	6071	-19.984	5.741	-0.047	-0.004	-0.987	17.495
6071_6071	6071	6071	19.962	-5.741	0.047	0.014	0.991	-17.476
6071_6072	6071	6072	-20.075	20.13	-0.047	-0.014	-1.433	-105.092
6072_6072	6072	6072	20.082	20.113	-0.024	0.007	1.433	105.098
6072_6073	6072	6073	-19.852	-1.178	0.024	-0.007	-1.135	27.347
6073_6073	6073	6073	19.852	1.178	-0.024	0.007	1.135	-27.347
6073_6074	6073	6074	-19.622	17.758	0.024	-0.007	-0.837	-76.926
6074_6074	6074	6074	19.624	14.525	-0.229	-0.004	0.837	76.976
6074_6075	6074	6075	-0.273	5.548	0.229	0.004	2.199	-38.598
6075_6075	6075	6075	45.052	-2.925	0.022	0.022	0.302	-33.226
6075_6076	6075	6076	-87.672	20.333	-0.022	-0.022	-0.56	-54.403
6076_6076	6076	6076	87.687	17.534	-0.025	-0.009	0.56	54.251
6076_6077	6076	6077	-85.26	-5.309	0.025	0.009	-0.352	37.338
6077_6077	6077	6077	85.185	5.309	-0.025	0.018	0.354	-37.211
6077_6078	6077	6078	-81.034	15.61	0.025	-0.018	0.004	-40.055
6078_6078	6078	6078	81.05	17.617	0.009	0.008	-0.004	39.928
6078_6079	6078	6079	-77.871	-1.03	-0.009	-0.008	-0.096	60.703
6079_6079	6079	6079	77.871	1.03	0.009	0.005	0.096	-60.703
6079_6080	6079	6080	-74.688	15.571	-0.009	-0.005	-0.195	-24.531
6080_6080	6080	6080	74.688	16.728	-0.002	0.003	0.195	24.545
6080_6081	6080	6081	-71.845	-0.13	0.002	-0.003	-0.169	66.534
6081_6081	6081	6081	71.845	0.13	-0.002	0.006	0.169	-66.534
6081_6082	6081	6082	-69.005	16.453	0.002	-0.006	-0.143	-28.172

6082_6082	6082	6082	68.965	18.015	0	0	0.143	28.501
6082_6083	6082	6083	-66.075	-0.172	0	0	-0.145	77.576
6083_6083	6083	6083	66.075	0.172	0	0.003	0.145	-77.576
6083_6084	6083	6084	-63.187	17.657	0	-0.003	-0.147	-31.083
6084_6084	6084	6084	63.185	16.686	-0.005	-0.001	0.147	31.096
6084_6085	6084	6085	-60.813	-0.092	0.005	0.001	-0.092	60.004
6085_6085	6085	6085	60.813	0.092	-0.005	-0.001	0.092	-60.004
6085_6086	6085	6086	-58.441	16.502	0.005	0.001	-0.037	-34.77
6086_6086	6086	6086	58.462	16.211	0.01	-0.026	0.037	34.587
6086_6087	6086	6087	-54.86	0.383	-0.01	0.026	-0.147	49.699
6087_6087	6087	6087	54.86	-0.383	0.01	0.021	0.147	-49.699
6087_6088	6087	6088	-51.258	16.977	-0.01	-0.021	-0.257	-51.882
6088_6088	6088	6088	51.256	14.736	-0.019	-0.007	0.257	51.882
6088_6089	6088	6089	-53.685	5.383	0.019	0.007	-0.003	14.484
6089_6089	6089	6089	53.633	-5.383	-0.019	-0.004	0.004	-14.41
6089_6090	6089	6090	-55.109	17.615	0.019	0.004	0.151	-78.8
6090_6090	6090	6090	55.113	17.874	-0.001	-0.005	-0.151	78.664
6090_6091	6090	6091	-36.206	-0.468	0.001	0.005	0.168	6.019
6091_6091	6091	6091	36.027	1.353	0.007	-0.003	-0.252	-6.123
6091_6092	6091	6092	-40.338	17.983	-0.007	0.003	0.162	-99.524
6092_6092	6092	6092	40.327	18.106	0.02	0.002	-0.162	99.387
6092_6093	6092	6093	-39.664	0.132	-0.02	-0.002	-0.094	12.667
6093_6093	6093	6093	39.663	-0.132	0.02	-0.007	0.094	-12.667
6093_6094	6093	6094	-39	18.369	-0.02	0.007	-0.35	-103.202
6094_6094	6094	6094	38.99	19.111	-0.033	-0.004	0.35	103.198
6094_6095	6094	6095	-39.274	-5.24	0.033	0.004	-0.036	12.682
6095_6095	6095	6095	39.207	5.24	-0.033	-0.002	0.034	-12.598
6095_6096	6095	6096	-39.439	6.062	0.033	0.002	0.221	9.531
6096_6096	6096	6096	39.439	-6.062	-0.033	-0.003	-0.221	-9.531
6096_6097	6096	6097	-39.672	17.378	0.033	0.003	0.476	-81.236
6097_6097	6097	6097	39.672	18.026	0.018	0.003	-0.476	81.158
6097_6098	6097	6098	-38.976	-6.361	-0.018	-0.003	0.334	15.51
6098_6098	6098	6098	38.975	6.361	0.018	-0.015	-0.334	-15.51
6098_6099	6098	6099	-38.278	5.318	-0.018	0.015	0.19	18.875
6099_6099	6099	6099	38.278	-5.318	0.018	0.007	-0.19	-18.875
6099_6100	6099	6100	-37.581	16.984	-0.018	-0.007	0.048	-71.073
6100_6100	6100	6100	37.591	17.551	-0.004	-0.019	-0.048	71.2
6100_6101	6100	6101	-37.273	-8.791	0.004	0.019	0.073	7.467
6101_6101	6101	6101	37.273	8.791	-0.004	-0.027	-0.073	-7.467
6101_6102	6101	6102	-36.955	-0.031	0.004	0.027	0.097	33.548
6102_6102	6102	6102	36.955	0.031	-0.004	0.025	-0.097	-33.548
6102_6103	6102	6103	-36.637	8.729	0.004	-0.025	0.122	7.045
6103_6103	6103	6103	36.637	-8.729	-0.004	0.018	-0.122	-7.045
6103_6104	6103	6104	-36.319	17.474	0.004	-0.018	0.147	-71.863
6104_6104	6104	6104	36.32	17.178	-0.014	0.013	-0.147	71.867
6104_6105	6104	6105	-35.77	-5.499	0.014	-0.013	0.262	18.148
6105_6105	6105	6105	35.771	5.499	-0.014	-0.006	-0.262	-18.148
6105_6106	6105	6106	-35.221	6.18	0.014	0.006	0.378	14.687
6106_6106	6106	6106	35.221	-6.18	-0.014	-0.005	-0.378	-14.687
6106_6107	6106	6107	-34.673	17.845	0.014	0.005	0.493	-82.065
6107_6107	6107	6107	34.672	17.18	0.027	0.004	-0.493	82.083
6107_6108	6107	6108	-34.446	-5.866	-0.027	-0.004	0.283	7.161
6108_6108	6108	6108	34.446	5.866	0.027	0.004	-0.283	-7.161
6108_6109	6108	6109	-34.22	5.449	-0.027	-0.004	0.072	8.68
6109_6109	6109	6109	34.244	-5.449	0.027	-0.002	-0.073	-8.707

6109_6110	6109	6110	-33.967	19.303	-0.027	0.002	-0.185	-108.905
6110_6110	6110	6110	33.97	19.119	0.003	0.007	0.185	108.908
6110_6111	6110	6111	-34.718	-0.872	-0.003	-0.007	-0.224	16.386
6111_6111	6111	6111	34.718	0.872	0.003	-0.003	0.224	-16.386
6111_6112	6111	6112	-35.466	17.374	-0.003	0.003	-0.264	-86.468
6112_6112	6112	6112	35.458	13.79	-0.112	0.004	0.264	86.382
6112_6113	6112	6113	-20.098	5.536	0.112	-0.004	1.215	-49.018
6113_6113	6113	6113	60.564	-3.257	0.006	0.003	0.148	-16.383
6113_6114	6113	6114	-101.667	20.37	-0.006	-0.003	-0.217	-74.614
6114_6114	6114	6114	101.676	17	-0.004	-0.007	0.217	74.627
6114_6115	6114	6115	-103.225	-4.986	0.004	0.007	-0.185	18.16
6115_6115	6115	6115	103.225	4.986	-0.004	0.012	0.185	-18.16
6115_6116	6115	6116	-105.873	15.547	0.004	-0.012	-0.131	-52.76
6116_6116	6116	6116	105.871	17.876	0	-0.026	0.131	52.775
6116_6117	6116	6117	-99.706	-1.566	0	0.026	-0.128	49.1
6117_6117	6117	6117	99.705	1.566	0	0.035	0.128	-49.1
6117_6118	6117	6118	-93.539	14.744	0	-0.035	-0.125	-31.728
6118_6118	6118	6118	93.572	16.818	-0.002	-0.032	0.125	31.499
6118_6119	6118	6119	-89.512	-0.51	0.002	0.032	-0.103	60.975
6119_6119	6119	6119	89.512	0.51	-0.002	0.038	0.103	-60.975
6119_6120	6119	6120	-85.455	15.784	0.002	-0.038	-0.082	-29.065
6120_6120	6120	6120	85.417	18.055	-0.002	-0.037	0.082	29.339
6120_6121	6120	6121	-80.452	-0.524	0.002	0.037	-0.056	76.839
6121_6121	6121	6121	80.452	0.524	-0.002	0.038	0.056	-76.839
6121_6122	6121	6122	-75.491	16.994	0.002	-0.038	-0.031	-27.912
6122_6122	6122	6122	75.49	16.674	-0.005	-0.033	0.031	27.911
6122_6123	6122	6123	-71.511	-0.367	0.005	0.033	0.022	62.949
6123_6123	6123	6123	71.512	0.367	-0.005	0.03	-0.022	-62.949
6123_6124	6123	6124	-67.533	15.941	0.005	-0.03	0.074	-28.847
6124_6124	6124	6124	67.532	16.208	0.006	-0.003	-0.074	28.856
6124_6125	6124	6125	-62.314	0.099	-0.006	0.003	0.009	55.242
6125_6125	6125	6125	62.314	-0.099	0.006	-0.003	-0.009	-55.242
6125_6126	6125	6126	-57.096	16.407	-0.006	0.003	-0.055	-43.313
6126_6126	6126	6126	57.093	14.505	-0.025	-0.011	0.055	43.312
6126_6127	6126	6127	-57.645	5.297	0.025	0.011	0.289	20.303
6127_6127	6127	6127	57.645	-5.297	-0.025	0.009	-0.289	-20.303
6127_6128	6127	6128	-57.98	17.309	0.025	-0.009	0.498	-72.339
6128_6128	6128	6128	57.983	17.8	0.039	-0.001	-0.498	72.175
6128_6129	6128	6129	-38.328	-0.692	-0.039	0.001	0.041	11.988
6129_6129	6129	6129	38.111	1.581	0.078	-0.007	-0.455	-11.86
6129_6130	6129	6130	-43.209	17.717	-0.078	0.007	-0.574	-89.723
6130_6130	6130	6130	43.199	17.338	-0.119	-0.005	0.574	89.612
6130_6131	6130	6131	-42.651	0.868	0.119	0.005	0.912	13.405
6131_6131	6131	6131	42.651	-0.868	-0.119	-0.005	-0.912	-13.405
6131_6132	6131	6132	-42.103	19.074	0.119	0.005	2.398	-111.154
6132_6132	6132	6132	41.066	18.378	0.191	0.003	-2.398	85.026
6132_6133	6132	6133	-40.918	-4.542	-0.191	-0.003	0.586	23.676
6133_6133	6133	6133	40.918	4.542	0.193	-0.014	-0.586	-23.676
6133_6134	6133	6134	-40.798	6.746	-0.193	0.014	-0.907	14.997
6134_6134	6134	6134	40.798	-6.746	0.19	0.002	0.907	-14.997
6134_6135	6134	6135	-40.678	18.034	-0.19	-0.002	-2.376	-81.161
6135_6135	6135	6135	40.716	18.356	-0.063	0.003	2.376	81.295
6135_6136	6135	6136	-39.938	-6.704	0.063	-0.003	-1.873	17.94
6136_6136	6136	6136	39.937	6.704	-0.06	-0.015	1.873	-17.94
6136_6137	6136	6137	-39.159	4.948	0.06	0.015	-1.393	23.955

6137_6137	6137	6137	39.16	-4.948	-0.063	0.01	1.393	-23.955
6137_6138	6137	6138	-38.381	16.601	0.063	-0.01	-0.89	-63.251
6138_6138	6138	6138	38.386	17.429	-0.021	-0.017	0.89	63.135
6138_6139	6138	6139	-38.027	-8.69	0.021	0.017	-0.761	14.734
6139_6139	6139	6139	38.027	8.69	-0.017	-0.035	0.761	-14.734
6139_6140	6139	6140	-37.668	0.049	0.017	0.035	-0.657	40.167
6140_6140	6140	6140	37.668	-0.049	-0.021	0.025	0.657	-40.167
6140_6141	6140	6141	-37.309	8.788	0.021	-0.025	-0.528	13.163
6141_6141	6141	6141	37.309	-8.788	-0.021	0.025	0.528	-13.163
6141_6142	6141	6142	-36.95	17.527	0.021	-0.025	-0.399	-66.277
6142_6142	6142	6142	36.958	17.053	-0.041	0.009	0.399	66.172
6142_6143	6142	6143	-36.242	-5.401	0.041	-0.009	-0.074	22.636
6143_6143	6143	6143	36.242	5.401	-0.038	-0.014	0.074	-22.636
6143_6144	6143	6144	-35.525	6.251	0.038	0.014	0.226	18.224
6144_6144	6144	6144	35.525	-6.251	-0.041	0.003	-0.226	-18.224
6144_6145	6144	6145	-34.809	17.904	0.041	-0.003	0.55	-79.409
6145_6145	6145	6145	34.803	17.05	-0.001	0	-0.55	79.316
6145_6146	6145	6146	-35.105	-5.762	0.001	0	0.559	9.59
6146_6146	6146	6146	35.105	5.762	-0.004	0.005	-0.559	-9.59
6146_6147	6146	6147	-35.408	5.526	0.004	-0.005	0.593	11.011
6147_6147	6147	6147	35.488	-5.526	0	-0.004	-0.594	-11.101
6147_6148	6147	6148	-35.86	19.363	0	0.004	0.596	-106.501
6148_6148	6148	6148	35.862	19.368	0.023	0.007	-0.596	106.453
6148_6149	6148	6149	-35.915	-1.161	-0.023	-0.007	0.303	21.414
6149_6149	6149	6149	35.915	1.161	0.025	-0.006	-0.303	-21.414
6149_6150	6149	6150	-35.969	17.045	-0.025	0.006	-0.014	-78.307
6150_6150	6150	6150	35.958	13.091	-0.049	0.007	0.014	78.206
6150_6151	6150	6151	-16.42	6.208	0.049	-0.007	0.636	-55.141
6151_6151	6151	6151	66	-3.479	0	-0.006	-0.113	-25.327
6151_6152	6151	6152	-112.19	21.33	0	0.006	0.112	-67.845
6152_6152	6152	6152	112.193	17.23	0	0.016	-0.112	67.699
6152_6153	6152	6153	-114.273	-4.712	0	-0.016	0.111	25.33
6153_6153	6153	6153	114.465	4.712	0.001	-0.007	-0.112	-25.668
6153_6154	6153	6154	-117.943	16.177	-0.001	0.007	0.1	-48.768
6154_6154	6154	6154	117.944	18.373	0.002	0.002	-0.1	48.769
6154_6155	6154	6155	-110.808	-1.661	-0.002	-0.002	0.073	53.488
6155_6155	6155	6155	110.808	1.661	0.002	0.002	-0.073	-53.488
6155_6156	6155	6156	-103.673	15.05	-0.002	-0.002	0.046	-28.086
6156_6156	6156	6156	103.675	16.293	0.002	-0.033	-0.046	28.086
6156_6157	6156	6157	-99.096	-1.101	-0.002	0.033	0.025	53.869
6157_6157	6157	6157	99.096	1.101	0.001	0.035	-0.025	-53.869
6157_6158	6157	6158	-94.512	14.107	-0.001	-0.035	0.02	-16.249
6158_6158	6158	6158	94.539	15.013	0.002	0	-0.02	16.063
6158_6159	6158	6159	-90.158	0.179	-0.002	0	-0.003	53.307
6159_6159	6159	6159	90.158	-0.179	0.002	0	0.003	-53.307
6159_6160	6159	6160	-85.772	15.386	-0.002	0	-0.027	-29.408
6160_6160	6160	6160	85.774	16.431	0.001	-0.001	0.027	29.409
6160_6161	6160	6161	-79.475	0.281	-0.001	0.001	-0.04	52.317
6161_6161	6161	6161	79.475	-0.281	0.001	-0.001	0.04	-52.317
6161_6162	6161	6162	-73.176	16.992	-0.001	0.001	-0.053	-49.79
6162_6162	6162	6162	73.178	15.457	0.003	-0.006	0.053	49.79
6162_6163	6162	6163	-72.639	5.417	-0.003	0.006	-0.088	19.459
6163_6163	6163	6163	72.787	-5.417	0.002	0.006	0.089	-19.665
6163_6164	6163	6164	-72.467	17.95	-0.002	-0.006	-0.103	-76.565
6164_6164	6164	6164	72.457	18.751	0.002	0.001	0.103	76.689

6164_6165	6164	6165	-50.436	-0.9	-0.002	-0.001	-0.121	11.232
6165_6165	6165	6165	50.177	1.764	-0.005	-0.003	0.162	-10.831
6165_6166	6165	6166	-54.258	18.902	0.005	0.003	-0.1	-97.986
6166_6166	6166	6166	54.261	19.161	-0.004	0.005	0.1	97.986
6166_6167	6166	6167	-54.076	0.336	0.004	-0.005	-0.049	19.861
6167_6167	6167	6167	54.075	-0.336	-0.003	-0.009	0.049	-19.861
6167_6168	6167	6168	-53.89	19.832	0.003	0.009	-0.018	-106.006
6168_6168	6168	6168	53.885	20.435	0	0.006	0.018	106.007
6168_6169	6168	6169	-54.472	-5.618	0	-0.006	-0.021	18.225
6169_6169	6169	6169	54.55	5.618	0.002	-0.005	0.022	-18.319
6169_6170	6169	6170	-55.029	6.47	-0.002	0.005	-0.034	15.405
6170_6170	6170	6170	55.029	-6.47	0.002	-0.005	0.034	-15.405
6170_6171	6170	6171	-55.508	18.558	-0.002	0.005	-0.046	-81.191
6171_6171	6171	6171	55.492	19.491	-0.002	0.006	0.046	81.093
6171_6172	6171	6172	-54.349	-7.013	0.002	-0.006	-0.029	23.681
6172_6172	6172	6172	54.349	7.013	0	-0.02	0.029	-23.681
6172_6173	6172	6173	-53.207	5.464	0	0.02	-0.031	28.629
6173_6173	6173	6173	53.207	-5.464	-0.002	0.012	0.031	-28.629
6173_6174	6173	6174	-52.064	17.942	0.002	-0.012	-0.015	-66.249
6174_6174	6174	6174	52.071	18.793	-0.001	0	0.015	66.151
6174_6175	6174	6175	-51.589	-9.435	0.001	0	-0.011	17.985
6175_6175	6175	6175	51.589	9.435	-0.001	0	0.011	-17.985
6175_6176	6175	6176	-51.107	-0.077	0.001	0	-0.007	45.969
6176_6176	6176	6176	51.107	0.077	-0.001	0	0.007	-45.969
6176_6177	6176	6177	-50.625	9.282	0.001	0	-0.004	17.801
6177_6177	6177	6177	50.625	-9.282	-0.001	0	0.004	-17.801
6177_6178	6177	6178	-50.142	18.64	0.001	0	0	-66.519
6178_6178	6178	6178	50.149	18.291	0	-0.012	0	66.42
6178_6179	6178	6179	-49.315	-5.813	0	0.012	-0.001	28.984
6179_6179	6179	6179	49.314	5.813	-0.002	0.018	0.001	-28.984
6179_6180	6179	6180	-48.48	6.664	0.002	-0.018	0.016	24.564
6180_6180	6180	6180	48.48	-6.664	0	-0.006	-0.016	-24.564
6180_6181	6180	6181	-47.646	19.142	0	0.006	0.015	-79.682
6181_6181	6181	6181	47.632	18.25	0	0.007	-0.015	79.586
6181_6182	6181	6182	-47.683	-6.162	0	-0.007	0.013	15.225
6182_6182	6182	6182	47.682	6.162	0.003	-0.006	-0.013	-15.225
6182_6183	6182	6183	-47.732	5.926	-0.003	0.006	-0.007	16.35
6183_6183	6183	6183	47.839	-5.926	0.001	0.001	0.007	-16.466
6183_6184	6183	6184	-47.901	20.743	-0.001	-0.001	-0.021	-109.958
6184_6184	6184	6184	47.877	20.637	-0.01	0.002	0.021	109.855
6184_6185	6184	6185	-47.831	-1.14	0.01	-0.002	0.103	25.819
6185_6185	6185	6185	47.831	1.14	-0.01	0.002	-0.103	-25.819
6185_6186	6185	6186	-47.785	18.341	0.01	-0.002	0.227	-82.036
6186_6186	6186	6186	47.802	15.04	0.015	-0.004	-0.227	82.142
6186_6187	6186	6187	-30.292	5.626	-0.015	0.004	0.03	-39.762
6187_6187	6187	6187	75.53	-3.258	0	0.007	0.007	-34.203
6187_6188	6187	6188	-121.396	22.375	0	-0.007	-0.012	-61.04
6188_6188	6188	6188	121.392	19.12	-0.001	-0.052	0.012	61.181
6188_6189	6188	6189	-118.041	-5.697	0.001	0.052	-0.002	37.451
6189_6189	6189	6189	119.364	5.688	-0.003	0.034	0	-36.154
6189_6190	6189	6190	-113.732	16.683	0.003	-0.034	0.04	-45.566
6190_6190	6190	6190	113.733	19.279	0.002	0.001	-0.04	45.567
6190_6191	6190	6191	-108.361	-1.382	-0.002	-0.001	0.017	61.553
6191_6191	6191	6191	108.361	1.382	0.002	0.001	-0.017	-61.553
6191_6192	6191	6192	-102.99	16.514	-0.002	-0.001	-0.006	-28.192

6192_6192	6192	6192	102.992	17.279	0	0.001	0.006	28.193
6192_6193	6192	6193	-98.668	-1.01	0	-0.001	-0.007	58.075
6193_6193	6193	6193	98.668	1.01	0	0	0.007	-58.075
6193_6194	6193	6194	-94.339	15.275	0	0	-0.008	-18.512
6194_6194	6194	6194	94.341	15.981	0.003	-0.001	0.008	18.514
6194_6195	6194	6195	-90.318	0.304	-0.003	0.001	-0.039	55.107
6195_6195	6195	6195	90.318	-0.304	0.003	-0.001	0.039	-55.107
6195_6196	6195	6196	-86.295	16.59	-0.003	0.001	-0.071	-34.295
6196_6196	6196	6196	86.303	17.535	-0.002	-0.002	0.071	34.296
6196_6197	6196	6197	-80.409	0.361	0.002	0.002	-0.046	53.054
6197_6197	6197	6197	80.409	-0.361	-0.002	-0.002	0.046	-53.054
6197_6198	6197	6198	-74.515	18.257	0.002	0.002	-0.021	-56.46
6198_6198	6198	6198	74.517	16.513	0.001	0.01	0.021	56.462
6198_6199	6198	6199	-75.523	5.841	-0.001	-0.01	-0.036	18.268
6199_6199	6199	6199	75.628	-5.841	0.003	-0.023	0.038	-18.407
6199_6200	6199	6200	-76.234	19.263	-0.003	0.023	-0.062	-84.301
6200_6200	6200	6200	76.234	20.221	-0.005	-0.002	0.062	84.303
6200_6201	6200	6201	-52.398	-1.104	0.005	0.002	-0.007	11.701
6201_6201	6201	6201	53.109	2.063	-0.02	-0.002	0.14	-12.957
6201_6202	6201	6202	-57.479	20.337	0.02	0.002	0.125	-103.339
6202_6202	6202	6202	57.481	20.643	0.03	-0.001	-0.125	103.338
6202_6203	6202	6203	-57.455	0.488	-0.03	0.001	-0.255	23.19
6203_6203	6203	6203	57.455	-0.488	0.03	-0.001	0.255	-23.19
6203_6204	6203	6204	-57.428	21.62	-0.03	0.001	-0.635	-114.434
6204_6204	6204	6204	57.423	22.122	-0.021	0.001	0.635	114.436
6204_6205	6204	6205	-58.141	-6.062	0.021	-0.001	-0.436	19.973
6205_6205	6205	6205	58.31	6.062	-0.02	-0.011	0.444	-20.154
6205_6206	6205	6206	-58.894	7.039	0.02	0.011	-0.289	16.8
6206_6206	6206	6206	58.894	-7.039	-0.022	0.008	0.289	-16.8
6206_6207	6206	6207	-59.478	20.141	0.022	-0.008	-0.118	-88.095
6207_6207	6207	6207	59.479	20.94	-0.036	-0.007	0.118	88.093
6207_6208	6207	6208	-58.556	-7.416	0.036	0.007	0.17	24.26
6208_6208	6208	6208	58.556	7.416	-0.038	0.02	-0.17	-24.26
6208_6209	6208	6209	-57.634	6.108	0.038	-0.02	0.473	28.417
6209_6209	6209	6209	57.633	-6.108	-0.036	-0.012	-0.473	-28.417
6209_6210	6209	6210	-56.711	19.633	0.036	0.012	0.762	-75.622
6210_6210	6210	6210	56.71	20.365	-0.008	0.002	-0.762	75.623
6210_6211	6210	6211	-56.336	-10.222	0.008	-0.002	0.807	15.659
6211_6211	6211	6211	56.336	10.222	-0.008	0.002	-0.807	-15.659
6211_6212	6211	6212	-55.961	-0.078	0.008	-0.002	0.853	46.079
6212_6212	6212	6212	55.961	0.078	-0.008	0.002	-0.853	-46.079
6212_6213	6212	6213	-55.587	10.065	0.008	-0.002	0.898	15.639
6213_6213	6213	6213	55.587	-10.065	-0.008	0.002	-0.898	-15.639
6213_6214	6213	6214	-55.213	20.208	0.008	-0.002	0.944	-75.663
6214_6214	6214	6214	55.211	19.956	0.028	0.003	-0.944	75.66
6214_6215	6214	6215	-54.537	-6.432	-0.028	-0.003	0.722	28.936
6215_6215	6215	6215	54.537	6.432	0.028	0.003	-0.722	-28.936
6215_6216	6215	6216	-53.864	7.092	-0.028	-0.003	0.5	25.338
6216_6216	6216	6216	53.864	-7.092	0.028	0.003	-0.5	-25.338
6216_6217	6216	6217	-53.19	20.616	-0.028	-0.003	0.278	-86.455
6217_6217	6217	6217	53.197	19.815	0.018	0.016	-0.278	86.45
6217_6218	6217	6218	-53.04	-6.714	-0.018	-0.016	0.138	16.433
6218_6218	6218	6218	53.039	6.714	0.02	0.001	-0.138	-16.433
6218_6219	6218	6219	-52.882	6.388	-0.02	-0.001	-0.018	17.776
6219_6219	6219	6219	52.927	-6.388	0.02	0	0.017	-17.819

6219_6220	6219	6220	-52.735	22.431	-0.02	0	-0.21	-118.828
6220_6220	6220	6220	52.686	22.431	0.055	0.003	0.21	118.832
6220_6221	6220	6221	-52.458	-1.298	-0.055	-0.003	-0.895	28.58
6221_6221	6221	6221	52.458	1.298	0.055	0.003	0.895	-28.58
6221_6222	6221	6222	-52.23	19.835	-0.055	-0.003	-1.579	-88.205
6222_6222	6222	6222	52.217	16.747	-0.484	-0.005	1.579	88.195
6222_6223	6222	6223	-36.251	5.654	0.484	0.005	4.83	-33.4
6223_6223	6223	6223	75.792	-3.315	0.006	0.016	-0.181	-30.081
6223_6224	6223	6224	-121.71	24.021	-0.006	-0.016	0.109	-76.72
6224_6224	6224	6224	121.742	21.459	0.018	0.041	-0.109	76.591
6224_6225	6224	6225	-118.634	-6.934	-0.018	-0.041	-0.042	37.17
6225_6225	6225	6225	118.856	6.933	0.019	-0.017	0.042	-37.543
6225_6226	6225	6226	-113.123	19.86	-0.019	0.017	-0.326	-66.763
6226_6226	6226	6226	113.116	21.743	-0.004	0.26	0.326	66.869
6226_6227	6226	6227	-108.192	-1.067	0.004	-0.26	-0.283	61.274
6227_6227	6227	6227	108.19	1.067	0	-0.256	0.283	-61.275
6227_6228	6227	6228	-103.265	19.613	0	0.256	-0.287	-53.259
6228_6228	6228	6228	103.259	20.855	0.018	0.03	0.287	53.214
6228_6229	6228	6229	-99.49	-0.188	-0.018	-0.03	-0.492	65.915
6229_6229	6229	6229	99.49	0.188	0.018	-0.033	0.492	-65.915
6229_6230	6229	6230	-95.718	20.498	-0.018	0.033	-0.704	-57.6
6230_6230	6230	6230	95.783	21.249	-0.022	0.295	0.704	57.466
6230_6231	6230	6231	-90.637	0.159	0.022	-0.295	-0.433	64.745
6231_6231	6231	6231	90.623	-0.159	-0.017	-0.298	0.433	-64.744
6231_6232	6231	6232	-85.475	21.576	0.017	0.298	-0.22	-73.263
6232_6232	6232	6232	85.409	21.156	0.037	-0.017	0.22	73.349
6232_6233	6232	6233	-82.745	0.919	-0.037	0.017	-0.69	50.361
6233_6233	6233	6233	83.025	-0.92	0.035	-0.001	0.681	-50.71
6233_6234	6233	6234	-80.658	20.506	-0.035	0.001	-1.071	-71.094
6234_6234	6234	6234	84.705	19.176	-0.092	0.058	1.071	67.977
6234_6235	6234	6235	-65.604	-1.23	0.092	-0.058	-0.137	12.016
6235_6235	6235	6235	62.805	2.135	-0.292	-0.066	1.98	-7.596
6235_6236	6235	6236	-66.371	16.447	0.292	0.066	0.917	-59.772
6236_6236	6236	6236	66.181	16.889	0.23	0.009	-0.917	59.915
6236_6237	6236	6237	-65.887	1.109	-0.23	-0.009	-1.291	16.611
6237_6237	6237	6237	65.889	-1.109	0.23	-0.006	1.291	-16.611
6237_6238	6237	6238	-65.567	20.76	-0.23	0.006	-3.705	-97.379
6238_6238	6238	6238	65.727	23.583	-0.172	0.135	3.705	97.488
6238_6239	6238	6239	-67.12	-0.103	0.172	-0.135	-1.548	51.709
6239_6239	6239	6239	67.305	0.104	-0.171	-0.152	1.548	-51.902
6239_6240	6239	6240	-68.627	22.297	0.171	0.152	0.492	-80.176
6240_6240	6240	6240	68.566	20.462	-0.07	0.028	-0.492	80.15
6240_6241	6240	6241	-67.238	-1.768	0.07	-0.028	1.191	29.572
6241_6241	6241	6241	67.238	1.768	-0.069	-0.024	-1.191	-29.572
6241_6242	6241	6242	-65.957	16.271	0.069	0.024	1.86	-41.477
6242_6242	6242	6242	65.95	17.827	-0.066	0.007	-1.86	41.539
6242_6243	6242	6243	-65.331	1.356	0.066	-0.007	2.54	42.048
6243_6243	6243	6243	65.331	-1.356	-0.066	0.004	-2.54	-42.048
6243_6244	6243	6244	-64.765	18.924	0.066	-0.004	3.162	-53.799
6244_6244	6244	6244	64.75	19.026	0.091	0.178	-3.162	53.78
6244_6245	6244	6245	-64.256	-1.525	-0.091	-0.178	2.31	41.562
6245_6245	6245	6245	64.255	1.525	0.094	-0.148	-2.31	-41.562
6245_6246	6245	6246	-63.712	17.721	-0.094	0.148	1.348	-42.43
6246_6246	6246	6246	63.695	16.085	-0.198	-0.001	-1.348	42.451
6246_6247	6246	6247	-62.958	2.729	0.198	0.001	3.333	23.64

6247_6247	6247	6247	62.958	-2.729	-0.198	0.008	-3.333	-23.64
6247_6248	6247	6248	-62.255	20.657	0.198	-0.008	5.226	-89.269
6248_6248	6248	6248	62.27	22.305	0.458	0.265	-5.226	89.334
6248_6249	6248	6249	-62.858	2.546	-0.458	-0.265	-0.858	42.511
6249_6249	6249	6249	62.95	-2.546	0.463	-0.301	0.857	-42.6
6249_6250	6249	6250	-63.448	23.572	-0.463	0.301	-6.056	-103.413
6250_6250	6250	6250	63.495	21.893	-0.301	-0.005	6.056	103.431
6250_6251	6250	6251	-62.844	0.659	0.301	0.005	-2.431	23.317
6251_6251	6251	6251	62.844	-0.659	-0.301	0.011	2.431	-23.317
6251_6252	6251	6252	-62.327	18.594	0.301	-0.011	0.454	-69.775
6252_6252	6252	6252	62.328	18.186	0.059	-0.015	-0.454	69.748
6252_6253	6252	6253	-49.274	3.389	-0.059	0.015	-0.221	0.167
6253_6253	6253	6253	49.272	-3.389	0.06	0.032	0.221	-0.168
6253_6254	6253	6254	-37.83	22.298	-0.06	-0.032	-0.823	-142.957
6254_6254	6254	6254	95.027	19.923	-0.024	0.003	0.599	50.038
6254_6255	6254	6255	-117.254	2.205	0.024	-0.003	-0.334	76.361
6255_6255	6255	6255	117.35	-2.202	-0.024	0.013	0.333	-76.514
6255_6256	6255	6256	-143.774	28.491	0.024	-0.013	-0.018	-95.304
6256_6256	6256	6256	143.773	23.785	0.022	0.278	0.018	95.342
6256_6257	6256	6257	-144.927	-1.059	-0.022	-0.278	-0.274	48.989
6257_6257	6257	6257	144.933	1.059	0.022	-0.26	0.274	-48.985
6257_6258	6257	6258	-146.092	21.768	-0.022	0.26	-0.531	-69.116
6258_6258	6258	6258	146.087	21.66	0.004	0.026	0.531	69.311
6258_6259	6258	6259	-151.968	1.459	-0.004	-0.026	-0.58	55.938
6259_6259	6259	6259	151.968	-1.459	0.004	-0.022	0.58	-55.937
6259_6260	6259	6260	-157.677	23.902	-0.004	0.022	-0.627	-81.189
6260_6260	6260	6260	157.675	20.904	0.007	0.339	0.627	81.368
6260_6261	6260	6261	-165.387	1.824	-0.007	-0.339	-0.714	37.598
6261_6261	6261	6261	165.398	-1.824	0.007	-0.353	0.714	-37.59
6261_6262	6261	6262	-173.148	24.664	-0.007	0.353	-0.8	-106.177
6262_6262	6262	6262	173.18	23.361	-0.003	-0.042	0.8	106.03
6262_6263	6262	6263	-166.597	-0.999	0.003	0.042	-0.766	23.944
6263_6263	6263	6263	166.789	0.997	-0.002	-0.003	0.786	-24.321
6263_6264	6263	6264	-159.384	24.14	0.002	0.003	-0.756	-131.685
6264_6264	6264	6264	159.409	26.704	-0.013	0.005	0.756	131.808
6264_6265	6264	6265	-138.364	-0.594	0.013	-0.005	-0.585	23.666
6265_6265	6265	6265	138.365	0.594	-0.013	-0.061	0.585	-23.665
6265_6266	6265	6266	-120.041	22.14	0.013	0.061	-0.437	-121.892
6266_6266	6266	6266	120.089	23.631	0.062	0.005	0.437	121.865
6266_6267	6266	6267	-114.244	-2.63	-0.062	-0.005	-1.095	9.449
6267_6267	6267	6267	114.25	2.63	0.062	-0.047	1.095	-9.451
6267_6268	6267	6268	-109.535	14.31	-0.062	0.047	-1.627	-47.242
6268_6268	6268	6268	64.475	21.459	-0.201	-0.016	2.441	121.118
6268_6269	6268	6269	-78.88	3.941	0.201	0.016	0.102	6.011
6269_6269	6269	6269	78.908	-3.94	-0.201	-0.014	-0.101	-6.043
6269_6270	6269	6270	-91.315	25.814	0.201	0.014	2.292	-141.984
6270_6270	6270	6270	91.312	34.117	0.096	0.44	-2.292	141.915
6270_6271	6270	6271	-56.446	-10.685	-0.096	-0.44	1.176	81.968
6271_6271	6271	6271	56.445	10.685	0.096	-0.431	-1.176	-81.97
6271_6272	6271	6272	-19.712	14.002	-0.096	0.431	0	22.007
6372_6372	6372	6372	17.854	10.274	-0.23	0.007	0	-23.951
6372_6373	6372	6373	-50.998	8.226	0.23	-0.007	2.85	73.135
6373_6373	6373	6373	50.998	-8.226	-0.23	-0.013	-2.85	-73.135
6373_6374	6373	6374	-82.1	25.586	0.23	0.013	5.523	-89.023
6374_6374	6374	6374	82.113	19.079	0.334	-0.005	-5.523	89.018

6374_6375	6374	6375	-72.618	-2.526	-0.334	0.005	1.822	20.088
6375_6375	6375	6375	72.618	2.526	0.334	0.011	-1.822	-20.087
6375_6376	6375	6376	-64.084	12.352	-0.334	-0.011	-1.506	-38.338
6376_6376	6376	6376	64.085	14.063	0.009	0.145	1.506	38.324
6376_6377	6376	6377	-66.361	3.449	-0.009	-0.145	-1.615	26.085
6377_6377	6377	6377	66.358	-3.449	0.009	-0.124	1.615	-26.087
6377_6378	6377	6378	-68.566	20.44	-0.009	0.124	-1.721	-107.584
6378_6378	6378	6378	68.473	19.513	-0.064	-0.017	1.715	106.419
6378_6379	6378	6379	-67.67	0.094	0.064	0.017	-0.875	20.308
6379_6379	6379	6379	67.67	-0.094	-0.064	-0.021	0.875	-20.308
6379_6380	6379	6380	-67.015	16.07	0.064	0.021	-0.19	-66.669
6380_6380	6380	6380	67.013	15.76	-0.073	0.028	0.19	66.532
6380_6381	6380	6381	-65.461	0.351	0.073	-0.028	0.597	14.422
6381_6381	6381	6381	65.459	-0.351	-0.071	-0.038	-0.597	-14.423
6381_6382	6381	6382	-64.066	14.804	0.071	0.038	1.287	-60.782
6382_6382	6382	6382	64.053	17.872	0.05	0.001	-1.287	61.3
6382_6383	6382	6383	-58.631	-0.726	-0.05	-0.001	0.714	39.167
6383_6383	6383	6383	58.631	0.726	0.05	0.016	-0.714	-39.167
6383_6384	6383	6384	-53.176	16.526	-0.05	-0.016	0.139	-58.333
6384_6384	6384	6384	71.603	17.368	-0.015	0	0.223	28.386
6384_6385	6384	6385	-61.76	-1.122	0.015	0	-0.061	60.678
6385_6385	6385	6385	61.761	1.122	-0.015	0.033	0.061	-60.678
6385_6386	6385	6386	-51.395	15.986	0.015	-0.033	0.112	-38.083
6386_6386	6386	6386	51.398	17.97	0.009	0.283	-0.112	38.049
6386_6387	6386	6387	-54.405	-0.908	-0.009	-0.283	0.003	74.567
6387_6387	6387	6387	54.402	0.908	0.011	-0.219	-0.003	-74.569
6387_6388	6387	6388	-57.659	17.573	-0.011	0.219	-0.136	-25.101
6388_6388	6388	6388	57.662	17.922	-0.007	-0.001	0.136	25.196
6388_6389	6388	6389	-58.583	0.454	0.007	0.001	-0.044	84.338
6389_6389	6389	6389	58.583	-0.454	-0.008	0.052	0.044	-84.338
6389_6390	6389	6390	-59.443	17.608	0.008	-0.052	0.043	-19.074
6390_6390	6390	6390	59.445	17.688	0.026	0.28	-0.043	19.109
6390_6391	6390	6391	-60.794	1.481	-0.026	-0.28	-0.289	87.454
6391_6391	6391	6391	60.792	-1.481	0.027	-0.278	0.289	-87.456
6391_6392	6391	6392	-61.943	17.84	-0.027	0.278	-0.588	-17.728
6392_6392	6392	6392	61.943	17.327	-0.054	0.034	0.588	17.761
6392_6393	6392	6393	-63.413	0.3	0.054	-0.034	0.057	85.287
6393_6393	6393	6393	63.413	-0.3	-0.054	0.007	-0.057	-85.287
6393_6394	6393	6394	-64.905	18.205	0.054	-0.007	0.712	-24.719
6394_6394	6394	6394	64.912	17.423	0.18	0.313	-0.712	24.255
6394_6395	6394	6395	-65.204	0.169	-0.18	-0.313	-1.426	78.591
6395_6395	6395	6395	65.205	-0.169	0.182	-0.277	1.426	-78.593
6395_6396	6395	6396	-65.503	18.091	-0.182	0.277	-3.625	-31.404
6396_6396	6396	6396	65.489	15.777	-0.619	0.03	3.625	31.466
6396_6397	6396	6397	-72.926	2.065	0.619	-0.03	3.831	59.661
6397_6397	6397	6397	72.925	-2.065	-0.619	-0.014	-3.831	-59.661
6397_6398	6397	6398	-80.292	19.742	0.619	0.014	11.217	-61.926
6398_6398	6398	6398	80.283	22.636	0.558	0.547	-11.217	61.976
6398_6399	6398	6399	-41.536	-4.022	-0.558	-0.547	4.206	61.89
6399_6399	6399	6399	41.536	4.022	0.564	-0.889	-4.206	-61.895
6399_6400	6399	6400	-18.55	7.021	-0.564	0.889	0	24.873
6572_6572	6572	6572	17.859	10.199	-0.128	0.003	0	-24.002
6572_6573	6572	6573	-51.273	8.309	0.128	-0.003	1.587	72.492
6573_6573	6573	6573	51.273	-8.309	-0.128	-0.003	-1.587	-72.492
6573_6574	6573	6574	-82.407	25.554	0.128	0.003	3.066	-88.651

6574_6574	6574	6574	82.416	19.168	0.023	-0.001	-3.066	88.611
6574_6575	6574	6575	-72.443	-2.899	-0.023	0.001	2.814	20.488
6575_6575	6575	6575	72.443	2.899	0.023	0	-2.814	-20.488
6575_6576	6575	6576	-63.43	11.803	-0.023	0	2.586	-33.293
6576_6576	6576	6576	63.421	13.521	0.286	0.135	-2.586	33.244
6576_6577	6576	6577	-66.738	4.164	-0.286	-0.135	-0.797	25.421
6577_6577	6577	6577	66.741	-4.164	0.286	-0.149	0.797	-25.422
6577_6578	6577	6578	-69.958	21.316	-0.286	0.149	-4.078	-117.623
6578_6578	6578	6578	70.381	20.439	-0.198	0.004	4.072	119.205
6578_6579	6578	6579	-68.463	-1.192	0.198	-0.004	-1.515	18.254
6579_6579	6579	6579	68.463	1.192	-0.199	-0.003	1.515	-18.254
6579_6580	6579	6580	-66.848	15.019	0.199	0.003	0.639	-58.321
6580_6580	6580	6580	66.856	15.526	0.002	0.057	-0.639	58.461
6580_6581	6580	6581	-65.203	0.348	-0.002	-0.057	0.616	19.934
6581_6581	6581	6581	65.202	-0.348	0	-0.056	-0.616	-19.934
6581_6582	6581	6582	-63.681	14.963	0	0.056	0.612	-57.004
6582_6582	6582	6582	63.706	17.575	0.004	0.034	-0.612	56.679
6582_6583	6582	6583	-59.571	-0.838	-0.004	-0.034	0.572	41.805
6583_6583	6583	6583	59.571	0.838	0.003	-0.002	-0.572	-41.805
6583_6584	6583	6584	-55.254	16.638	-0.003	0.002	0.534	-55.431
6584_6584	6584	6584	73.337	17.484	0.014	0.022	-0.296	26.383
6584_6585	6584	6585	-62.339	-1.461	-0.014	-0.022	0.145	62.33
6585_6585	6585	6585	62.339	1.461	0.014	0.02	-0.145	-62.33
6585_6586	6585	6586	-50.507	15.776	-0.014	-0.02	-0.018	-35.682
6586_6586	6586	6586	50.519	17.811	0.004	0.237	0.018	35.856
6586_6587	6586	6587	-54	-0.951	-0.004	-0.237	-0.058	75.39
6587_6587	6587	6587	53.999	0.951	0.002	-0.167	0.058	-75.392
6587_6588	6587	6588	-57.835	17.626	-0.002	0.167	-0.085	-24.18
6588_6588	6588	6588	57.826	17.776	0.003	0.008	0.085	23.729
6588_6589	6588	6589	-58.78	0.424	-0.003	-0.008	-0.128	84.107
6589_6589	6589	6589	58.78	-0.424	0.004	0.043	0.128	-84.107
6589_6590	6589	6590	-59.682	17.646	-0.004	-0.043	-0.169	-19.699
6590_6590	6590	6590	59.688	17.597	-0.004	0.293	0.169	19.298
6590_6591	6590	6591	-61.113	1.458	0.004	-0.293	-0.122	86.25
6591_6591	6591	6591	61.11	-1.458	-0.005	-0.294	0.122	-86.252
6591_6592	6591	6592	-62.333	17.81	0.005	0.294	-0.065	-18.534
6592_6592	6592	6592	62.332	17.356	0.043	0.024	0.065	19.251
6592_6593	6592	6593	-63.796	0.035	-0.043	-0.024	-0.569	84.144
6593_6593	6593	6593	63.796	-0.035	0.043	0.009	0.569	-84.144
6593_6594	6593	6594	-65.314	18.069	-0.043	-0.009	-1.091	-24.207
6594_6594	6594	6594	65.315	17.087	-0.169	0.268	1.091	24.209
6594_6595	6594	6595	-65.929	0.513	0.169	-0.268	0.92	74.989
6595_6595	6595	6595	65.925	-0.513	-0.171	-0.245	-0.92	-74.991
6595_6596	6595	6596	-66.546	18.317	0.171	0.245	2.972	-37.348
6596_6596	6596	6596	66.555	16.607	0.676	-0.009	-2.972	37.556
6596_6597	6596	6597	-73.221	1.2	-0.676	0.009	-5.146	62.542
6597_6597	6597	6597	73.221	-1.2	0.676	0.014	5.146	-62.542
6597_6598	6597	6598	-79.811	18.805	-0.676	-0.014	-13.174	-48.87
6598_6598	6598	6598	79.812	20.862	-0.788	0.013	13.174	48.852
6598_6599	6598	6599	-34.154	-2.301	0.788	-0.013	-3.306	45.154
6599_6599	6599	6599	34.151	2.301	-0.788	-0.041	3.306	-45.155
6599_6600	6599	6600	-18.861	3.915	0.788	0.041	0	24.666
7000_7000	7000	7000	62.55	449.74	2.995	3.121	0	-347.775
7000_7001	7000	7001	-53.749	-419.103	-2.995	-3.121	-31.465	4871.669
7001_7001	7001	7001	53.749	419.103	2.995	3.143	31.465	-4871.67

7001_7002	7001	7002	-45.877	-391.703	-2.995	-3.143	-59.605	8644.872
7002_7002	7002	7002	45.842	335.098	-2.665	8.337	59.605	-8644.86
7002_7003	7002	7003	-39.437	-299.791	2.665	-8.337	-27.337	12459.56
7003_7003	7003	7003	39.433	299.791	-2.665	-2.758	27.337	-12459.6
7003_7004	7003	7004	-33.024	-264.46	2.665	2.758	4.958	15849.02
7004_7004	7004	7004	33.041	219.825	-0.085	17.351	-4.958	-15849.1
7004_7005	7004	7005	-27.176	-184.526	0.085	-17.351	5.984	18270.06
7005_7005	7005	7005	27.176	184.526	-0.085	-13.527	-5.984	-18270.1
7005_7006	7005	7006	-21.307	-149.207	0.085	13.527	7.017	20264.78
7006_7006	7006	7006	21.308	106.691	0.974	18.843	-7.017	-20264.9
7006_7007	7006	7007	-17.575	-71.375	-0.974	-18.843	-4.784	21326.67
7007_7007	7007	7007	17.577	71.375	0.974	-17.209	4.784	-21326.7
7007_7008	7007	7008	-13.842	-36.038	-0.974	17.209	-16.586	21960.99
7008_7008	7008	7008	13.838	-6.021	-0.356	18.068	16.586	-21961.1
7008_7009	7008	7009	-12.672	41.326	0.356	-18.068	-12.271	21669.88
7009_7009	7009	7009	12.671	-41.326	-0.357	-18.501	12.271	-21669.9
7009_7010	7009	7010	-11.505	76.652	0.357	18.501	-7.947	20950.64
7010_7010	7010	7010	11.512	-117.696	0.694	14.118	7.947	-20950.9
7010_7011	7010	7011	-12.794	153.019	-0.694	-14.118	-16.352	19317.94
7011_7011	7011	7011	12.795	-153.019	0.693	-16.419	16.352	-19317.9
7011_7012	7011	7012	-14.076	188.334	-0.693	16.419	-24.75	17257.62
7012_7012	7012	7012	14.075	-230.347	0.542	9.998	24.75	-17257.7
7012_7013	7012	7013	-17.83	265.659	-0.542	-9.998	-31.311	14272.74
7013_7013	7013	7013	17.83	-265.659	0.541	-13.666	31.311	-14272.7
7013_7014	7013	7014	-21.587	300.993	-0.541	13.666	-37.87	10857.86
7014_7014	7014	7014	21.591	-344.315	0.236	1.544	37.87	-10858
7014_7015	7014	7015	-25.838	390.511	-0.236	-1.544	-41.602	5058.096
7015_7015	7015	7015	24.497	-389.419	0.154	-4.382	40.516	-5013.77
7015_7016	7015	7016	-28.363	411.909	-0.154	4.386	-41.789	1714.91
7016_7016	7016	7016	62.544	-459.707	0.182	-3.911	46.088	-1834.1
7016_7017	7016	7017	-72.2	491.807	-0.182	3.92	-48.225	-3721.55
7017_7017	7017	7017	86.435	-489.64	0.18	1.92	48.538	3719.059
7017_7018	7017	7018	-96.11	528.523	-0.18	-1.905	-50.932	-10434
7018_7018	7018	7018	115.162	-574.344	-0.683	-21.086	49.044	10434.23
7018_7019	7018	7019	-123.744	612.904	0.683	21.039	-40.481	-17841.7
7019_7019	7019	7019	140.58	-609.671	-0.684	20.268	44.855	17842.52
7019_7020	7019	7020	-148.161	650.709	0.684	-20.32	-36.248	-25730.1
7020_7020	7020	7020	-2391.06	214.282	-22.072	-3.136	501.262	5595.764
7020_7021	7020	7021	2390.714	-187.711	22.072	3.136	-291.597	-3685.14
7021_7021	7021	7021	-2391.2	187.713	-20.751	-0.952	292.86	3687.481
7021_7022	7021	7022	2390.91	-168.147	20.751	0.952	-132.087	-2307.84
7022_7022	7022	7022	-2390.93	168.147	-17.665	2.134	132.087	2307.843
7022_7023	7022	7023	2390.646	-148.584	17.665	-2.134	4.76	-1079.96
7023_7023	7023	7023	-2390.68	100.303	-6.588	-0.736	-4.76	1079.868
7023_7024	7023	7024	2390.153	-80.082	6.588	0.736	57.516	-355.637
7024_7024	7024	7024	-2390.16	80.082	-3.925	-0.239	-57.516	355.638
7024_7025	7024	7025	2389.639	-59.889	3.925	0.239	88.903	206.011
7025_7025	7025	7025	-2389.64	59.889	-3.925	-0.239	-88.903	-206.011
7025_7026	7025	7026	2389.118	-39.696	3.925	0.239	120.29	606.187
7026_7026	7026	7026	-2389.12	-8.134	-3.685	-0.181	-120.29	-606.285
7026_7027	7026	7027	2388.174	23.296	3.685	0.181	142.415	515.683
7027_7027	7027	7027	-2388.17	-23.296	-4.113	-0.104	-142.415	-515.683
7027_7028	7027	7028	2387.226	38.434	4.113	0.104	167.067	334.418
7028_7028	7028	7028	-2387.23	-38.434	0.299	-0.575	-167.067	-334.418
7028_7029	7028	7029	2386.281	53.593	-0.299	0.575	165.274	61.946

7029_7029	7029	7029	-2386.28	-53.593	0.299	-0.575	-165.274	-61.946
7029_7030	7029	7030	2385.333	68.753	-0.299	0.575	163.48	-301.533
7030_7030	7030	7030	-2385.34	-116.212	1.597	-1.474	-163.48	301.518
7030_7031	7030	7031	2383.335	136.397	-1.597	1.474	150.718	-1303.13
7031_7031	7031	7031	-2383.34	-136.397	1.909	-1.298	-150.718	1303.133
7031_7032	7031	7032	2381.331	156.607	-1.909	1.298	135.442	-2467.64
7032_7032	7032	7032	-2381.33	-156.607	4.898	1.823	-135.442	2467.64
7032_7033	7032	7033	2379.323	176.815	-4.898	-1.823	96.246	-3793.71
7033_7033	7033	7033	-2379.28	-225.952	14.984	0.073	-96.246	3793.784
7033_7034	7033	7034	2376.985	245.521	-14.984	-0.073	-19.869	-5611.47
7034_7034	7034	7034	-2377	-245.521	11.896	-7.153	19.869	5611.46
7034_7035	7034	7035	2374.71	265.093	-11.896	7.153	-112.07	-7581.06
7035_7035	7035	7035	-2375.45	-265.106	16.435	7.349	111.018	7584.778
7035_7036	7035	7036	2372.765	291.672	-16.435	-7.349	-267.112	-10218.1
7036_7036	7036	7036	156.94	544.329	-0.049	-10.83	-20.941	31646.1
7036_7037	7036	7037	-152.557	-503.251	0.049	10.793	21.557	-25086.5
7037_7037	7037	7037	138.662	506.51	-0.064	9.676	-23.619	25085.71
7037_7038	7037	7038	-134.06	-467.922	0.064	-9.709	24.426	-19003.7
7038_7038	7038	7038	118.364	428.409	1.72	-5.957	-23.144	19003.75
7038_7039	7038	7039	-113.593	-389.479	-1.72	5.975	0.312	-13602.2
7039_7039	7039	7039	613.58	385.053	0.991	5.839	-0.039	10859.15
7039_7040	7039	7040	-616.151	-353.088	-0.991	-5.849	-11.617	-6619.27
7040_7040	7040	7040	608.194	306.857	0.048	2.185	11.827	6620.409
7040_7041	7040	7041	-588.957	-284.832	-0.048	-2.187	-12.219	-4294.59
7041_7041	7041	7041	668.158	287.37	-0.054	-0.48	10.551	3892.715
7041_7042	7041	7042	-596.403	-250.449	0.054	0.48	-9.725	-67.828
7042_7042	7042	7042	596.408	205.068	-0.091	5.505	9.725	67.846
7042_7043	7042	7043	-544.838	-176.587	0.091	-5.505	-8.647	1970.257
7043_7043	7043	7043	544.837	176.587	-0.143	-5.031	8.647	-1970.26
7043_7044	7043	7044	-493.274	-148.11	0.143	5.031	-6.943	3669.2
7044_7044	7044	7044	493.278	107.513	-0.039	3.156	6.943	-3669.21
7044_7045	7044	7045	-444.215	-79.014	0.039	-3.156	-6.473	4556.762
7045_7045	7045	7045	444.215	79.014	-0.063	-2.862	6.473	-4556.76
7045_7046	7045	7046	-395.197	-50.542	0.063	2.862	-5.718	5104.63
7046_7046	7046	7046	395.194	9.775	0.152	6.056	5.718	-5104.64
7046_7047	7046	7047	-349.266	18.717	-0.152	-6.056	-7.531	4841.052
7047_7047	7047	7047	349.266	-18.717	0.1	-6.031	7.531	-4841.05
7047_7048	7047	7048	-303.344	47.205	-0.1	6.031	-8.717	4238.392
7048_7048	7048	7048	303.342	-88.44	-0.073	1.692	8.717	-4238.41
7048_7049	7048	7049	-260.388	116.925	0.073	-1.692	-7.849	2817.843
7049_7049	7049	7049	260.388	-116.925	-0.099	-1.888	7.849	-2817.84
7049_7050	7049	7050	-217.436	145.409	0.099	1.888	-6.668	1058.377
7050_7050	7050	7050	217.436	-187.011	0.413	-1.074	6.668	-1058.38
7050_7051	7050	7051	-163.419	223.92	-0.413	1.074	-13.043	-2360.98
7051_7051	7051	7051	162.537	-222.235	0.373	2.168	13.158	2378.649
7051_7052	7051	7052	-135.33	242.626	-0.373	-2.166	-16.237	-4423.63
7052_7052	7052	7052	142.263	-287.461	-0.381	-7.318	15.98	4424.261
7052_7053	7052	7053	-110.31	316.932	0.381	7.326	-11.502	-8149.56
7053_7053	7053	7053	103.348	-314.381	-0.247	11.579	20.584	8235.684
7053_7054	7053	7054	-86.466	352.114	0.247	-11.567	-17.308	-12786
7054_7054	7054	7054	100.519	-393.124	-1.007	-15.131	15.271	12787.99
7054_7055	7054	7055	-96.16	430.337	1.007	15.107	-2.644	-18042.1
7055_7055	7055	7055	108.193	-426.373	-1.057	15.946	5.894	18045.03
7055_7056	7055	7056	-111.964	465.767	1.057	-15.972	7.396	-23718.5
7056_7056	7056	7056	-1984.3	269.798	-16.338	-5.254	301.244	7457.583

7056_7057	7056	7057	1992.873	-244.031	16.338	5.254	-145.928	-5054.54
7057_7057	7057	7057	-1994.39	244.03	-13.913	1.341	147.057	5023.855
7057_7058	7057	7058	2001.434	-223.482	13.913	-1.341	-39.217	-3244.18
7058_7058	7058	7058	-2001.45	223.482	-11.121	6.22	39.217	3244.171
7058_7059	7058	7059	2008.487	-202.936	11.121	-6.22	46.977	-1623.91
7059_7059	7059	7059	-2008.48	156.508	-6.435	-0.762	-46.977	1623.975
7059_7060	7059	7060	2015.371	-135.323	6.435	0.762	98.401	-489.6
7060_7060	7060	7060	-2015.38	135.323	-3.534	0.834	-98.401	489.598
7060_7061	7060	7061	2022.277	-114.114	3.534	-0.834	126.672	476.511
7061_7061	7061	7061	-2022.28	114.114	-0.829	1.215	-126.672	-476.513
7061_7062	7061	7062	2029.178	-92.907	0.829	-1.215	133.302	1272.88
7062_7062	7062	7062	-2029.18	47.787	-2.827	1.134	-133.302	-1273.02
7062_7063	7062	7063	2033.859	-31.868	2.827	-1.134	150.279	1490.369
7063_7063	7063	7063	-2033.86	31.868	0.777	0.181	-150.279	-1490.37
7063_7064	7063	7064	2038.539	-15.952	-0.777	-0.181	145.612	1612.126
7064_7064	7064	7064	-2038.54	15.952	0.53	0.254	-145.612	-1612.13
7064_7065	7064	7065	2043.21	-0.061	-0.53	-0.254	142.435	1638.352
7065_7065	7065	7065	-2043.21	0.061	0.777	0.184	-142.435	-1638.35
7065_7066	7065	7066	2047.889	15.855	-0.777	-0.184	137.769	1569.136
7066_7066	7066	7066	-2047.89	-61.288	4.325	0.435	-137.769	-1569.06
7066_7067	7066	7067	2053.364	82.49	-4.325	-0.435	103.18	968.133
7067_7067	7067	7067	-2053.36	-82.49	4.325	0.435	-103.18	-968.133
7067_7068	7067	7068	2058.84	103.691	-4.325	-0.435	68.591	197.648
7068_7068	7068	7068	-2058.84	-103.691	4.504	0.52	-68.591	-197.649
7068_7069	7068	7069	2064.324	124.919	-4.504	-0.52	32.521	-743.677
7069_7069	7069	7069	-2064.29	-170.575	12.882	-2.916	-32.521	743.82
7069_7070	7069	7070	2069.483	191.11	-12.882	2.916	-67.265	-2169.5
7070_7070	7070	7070	-2069.47	-191.11	15.677	1.633	67.265	2169.498
7070_7071	7070	7071	2074.662	211.643	-15.677	-1.633	-188.691	-3754.11
7071_7071	7071	7071	-2071.83	-211.642	15.849	2.421	189.633	3779.839
7071_7072	7071	7072	2078.042	237.388	-15.849	-2.421	-340.183	-5942.32
7072_7072	7072	7072	71.508	500.932	0.838	-6.649	-3.31	21856.15
7072_7073	7072	7073	-40.902	-461.872	-0.838	6.615	-7.231	-15873.4
7073_7073	7073	7073	28.075	465.843	0.815	8.267	5.663	15871.48
7073_7074	7073	7074	3.668	-429.046	-0.815	-8.298	-15.887	-10322.5
7074_7074	7074	7074	-18.329	390.676	0.056	0.331	16.589	10321.59
7074_7075	7074	7075	45.532	-353.371	-0.056	-0.305	-17.332	-5423.81
7075_7075	7075	7075	436.082	349.953	0.242	1.012	11.514	2781.525
7075_7076	7075	7076	-435.368	-321.506	-0.242	-0.997	-14.354	1103.445
7076_7076	7076	7076	428.067	278.46	0.053	4.767	14.324	-1102.82
7076_7077	7076	7077	-416.507	-258.779	-0.053	-4.769	-14.762	3254.715
7077_7077	7077	7077	384.226	261.352	0.047	-3.076	16.403	-3222.45
7077_7078	7077	7078	-353.865	-225.997	-0.047	3.076	-17.063	6487.328
7078_7078	7078	7078	353.861	187.567	-0.431	5.306	17.063	-6487.36
7078_7079	7078	7079	-331.314	-159.256	0.431	-5.306	-12.235	8323.074
7079_7079	7079	7079	331.313	159.256	-0.456	-3.744	12.235	-8323.07
7079_7080	7079	7080	-308.787	-130.97	0.456	3.744	-7.136	9840.512
7080_7080	7080	7080	308.79	94.694	0.098	6.335	7.136	-9840.59
7080_7081	7080	7081	-288.471	-66.412	-0.098	-6.335	-8.23	10645.16
7081_7081	7081	7081	288.471	66.412	0.07	-5.444	8.23	-10645.2
7081_7082	7081	7082	-268.134	-38.105	-0.07	5.444	-9.018	11133.67
7082_7082	7082	7082	268.136	-0.151	-0.095	5.247	9.018	-11133.8
7082_7083	7082	7083	-249.104	30.557	0.095	-5.247	-7.876	10857.59
7083_7083	7083	7083	249.104	-30.557	-0.119	-4.954	7.876	-10857.6
7083_7084	7083	7084	-230.073	60.962	0.119	4.954	-6.443	10215.82

7084_7084	7084	7084	230.074	-98.895	-0.087	3.985	6.443	-10215.9
7084_7085	7084	7085	-214.974	127.196	0.087	-3.985	-5.466	8876.657
7085_7085	7085	7085	214.974	-127.196	-0.112	-4.398	5.466	-8876.66
7085_7086	7085	7086	-199.887	155.471	0.112	4.398	-4.212	7222.354
7086_7086	7086	7086	199.884	-192.409	0.027	4.386	4.212	-7222.36
7086_7087	7086	7087	-187.249	220.708	-0.027	-4.386	-4.509	4847.277
7087_7087	7087	7087	187.248	-220.708	-0.026	-5.293	4.509	-4847.28
7087_7088	7087	7088	-174.614	249.005	0.026	5.293	-4.223	2155.705
7088_7088	7088	7088	174.616	-285.628	0.142	-2.023	4.223	-2155.71
7088_7089	7088	7089	-160.747	319.644	-0.142	2.023	-6.137	-1986.3
7089_7089	7089	7089	163.717	-317.927	0.082	1.389	6.03	2036.704
7089_7090	7089	7090	-155.114	338.734	-0.082	-1.388	-6.703	-4786.9
7090_7090	7090	7090	163.798	-378.392	-0.357	-8.913	6.398	4787.347
7090_7091	7090	7091	-154.893	408.365	0.357	8.92	-2.203	-9464.43
7091_7091	7091	7091	152.621	-404.664	-0.207	6.69	7.746	9539.616
7091_7092	7091	7092	-148.658	441.708	0.207	-6.685	-5.003	-15197.6
7092_7092	7092	7092	164.981	-481.032	-0.917	-17.897	3.008	15199.2
7092_7093	7092	7093	-165.824	517.658	0.917	17.859	8.493	-21490.6
7093_7093	7093	7093	180.134	-512.68	-0.965	17.983	-4.814	21493.31
7093_7094	7093	7094	-184.054	551.543	0.965	-18.025	16.955	-28206.3
7094_7094	7094	7094	-2223.34	241.002	-11.024	-5.333	159.013	8029.1
7094_7095	7094	7095	2227.905	-215.682	11.024	5.333	-54.221	-5878.69
7095_7095	7095	7095	-2229.72	215.693	-8.816	0.274	52.996	5887.49
7095_7096	7095	7096	2233.258	-195.656	8.816	-0.274	15.279	-4310.3
7096_7096	7096	7096	-2233.27	195.656	-5.673	6.533	-15.279	4310.298
7096_7097	7096	7097	2236.81	-175.595	5.673	-6.533	59.268	-2886.61
7097_7097	7097	7097	-2236.81	131.538	-0.482	-2.878	-59.268	2886.601
7097_7098	7097	7098	2240.197	-110.855	0.482	2.878	63.123	-1932.8
7098_7098	7098	7098	-2240.2	110.855	2.56	0.233	-63.123	1932.8
7098_7099	7098	7099	2243.583	-90.147	-2.56	-0.233	42.635	-1143.49
7099_7099	7099	7099	-2243.58	90.147	5.502	2.315	-42.635	1143.492
7099_7100	7099	7100	2246.965	-69.44	-5.502	-2.315	-1.404	-519.958
7100_7100	7100	7100	-2246.99	25.887	-0.508	-0.117	1.404	520.067
7100_7101	7100	7101	2249.055	-10.382	0.508	0.117	1.64	-420.85
7101_7101	7101	7101	-2249.05	10.382	3.54	1.642	-1.64	420.848
7101_7102	7101	7102	2251.125	5.148	-3.54	-1.642	-19.611	-414.616
7102_7102	7102	7102	-2251.12	-5.148	-4.307	-1.854	19.611	414.617
7102_7103	7102	7103	2253.197	20.679	4.307	1.854	6.245	-501.618
7103_7103	7103	7103	-2253.2	-20.679	-0.508	0.03	-6.245	501.619
7103_7104	7103	7104	2255.27	36.183	0.508	-0.03	9.289	-681.47
7104_7104	7104	7104	-2255.27	-79.978	-4.554	-1.79	-9.289	681.377
7104_7105	7104	7105	2257.357	100.685	4.554	1.79	45.738	-1414.31
7105_7105	7105	7105	-2257.36	-100.685	-1.611	0.897	-45.738	1414.31
7105_7106	7105	7106	2259.448	121.391	1.611	-0.897	58.632	-2312.94
7106_7106	7106	7106	-2259.45	-121.391	-1.699	0.781	-58.632	2312.943
7106_7107	7106	7107	2261.534	142.072	1.699	-0.781	72.217	-3375.87
7107_7107	7107	7107	-2261.52	-185.691	7.31	-2.93	-72.217	3375.919
7107_7108	7107	7108	2263.317	205.749	-7.31	2.93	15.539	-4902.13
7108_7108	7108	7108	-2263.32	-205.749	7.31	-2.93	-15.539	4902.127
7108_7109	7108	7109	2265.116	225.807	-7.31	2.93	-41.139	-6583.85
7109_7109	7109	7109	-2265.56	-225.809	9.68	4.45	41.203	6586.045
7109_7110	7109	7110	2267.855	251.096	-9.68	-4.45	-133.097	-8860.99
7110_7110	7110	7110	172.699	536.203	0.396	-19.841	-5.81	29249.36
7110_7111	7110	7111	-156.275	-497.477	-0.396	19.803	0.831	-22789.8
7111_7111	7111	7111	142.47	502.676	0.329	19.485	-4.889	22787.89

7111_7112	7111	7112	-124.718	-466.224	-0.329	-19.52	0.768	-16753.6
7112_7112	7112	7112	109.18	431.032	0.269	-2.852	1.147	16752.93
7112_7113	7112	7113	-92.552	-394.182	-0.269	2.864	-4.712	-11314.2
7113_7113	7113	7113	511.484	393.141	0.27	4.49	10.013	9003.574
7113_7114	7113	7114	-510.714	-363.353	-0.27	-4.484	-13.19	-4630.97
7114_7114	7114	7114	502.533	321.791	-0.058	1.451	13.299	4631.884
7114_7115	7114	7115	-487.405	-301.199	0.058	-1.453	-12.823	-2144.23
7115_7115	7115	7115	540.59	303.814	-0.094	0.186	12.609	1713.12
7115_7116	7115	7116	-492.241	-270.916	0.094	-0.186	-11.302	2077.869
7116_7116	7116	7116	492.242	231.798	-0.267	3.815	11.302	-2077.87
7116_7117	7116	7117	-456.219	-205.447	0.267	-3.815	-8.309	4357.075
7117_7117	7117	7117	456.219	205.447	-0.303	-3.054	8.309	-4357.07
7117_7118	7117	7118	-420.229	-179.121	0.303	3.054	-4.92	6339.693
7118_7118	7118	7118	420.224	144.149	-0.18	0.234	4.92	-6339.65
7118_7119	7118	7119	-386.69	-117.799	0.18	-0.234	-2.909	7648.438
7119_7119	7119	7119	386.69	117.799	-0.18	0.234	2.909	-7648.44
7119_7120	7119	7120	-353.156	-91.45	0.18	-0.234	-0.898	8662.339
7120_7120	7120	7120	353.163	53.476	-0.061	9.168	0.898	-8662.39
7120_7121	7120	7121	-320.289	-25.173	0.061	-9.168	-0.162	8979.983
7121_7121	7121	7121	320.289	25.173	-0.129	-9.125	0.162	-8979.98
7121_7122	7121	7122	-287.416	3.13	0.129	9.125	1.386	8957.341
7122_7122	7122	7122	287.415	-40.745	-0.15	4.101	-1.386	-8957.34
7122_7123	7122	7123	-259.954	67.092	0.15	-4.101	3.063	8223.031
7123_7123	7123	7123	259.954	-67.092	-0.186	-4.431	-3.063	-8223.03
7123_7124	7123	7124	-232.492	93.44	0.186	4.431	5.147	7193.879
7124_7124	7124	7124	232.492	-130.444	0.001	5.215	-5.147	-7193.88
7124_7125	7124	7125	-208.183	156.791	-0.001	-5.215	5.137	5469.378
7125_7125	7125	7125	208.183	-156.791	-0.072	-5.807	-5.137	-5469.38
7125_7126	7125	7126	-183.874	183.138	0.072	5.807	5.939	3450.07
7126_7126	7126	7126	183.881	-220.072	0.018	-0.205	-5.939	-3450.07
7126_7127	7126	7127	-156.828	251.905	-0.018	0.205	5.695	127.236
7127_7127	7127	7127	160.666	-250.031	-0.046	-0.447	-5.873	-86.252
7127_7128	7127	7128	-143.659	268.966	0.046	0.449	6.253	-2136.17
7128_7128	7128	7128	151.014	-311.698	-0.573	-5.094	-6.417	2136.776
7128_7129	7128	7129	-134.47	339.001	0.573	5.092	13.157	-6058.75
7129_7129	7129	7129	134.449	-334.376	-1.354	8.769	-18.188	6111.898
7129_7130	7129	7130	-130.044	370.185	1.354	-8.743	36.169	-10855.9
7130_7130	7130	7130	144.095	-405.656	2.083	-6.125	-37.331	10858.06
7130_7131	7130	7131	-147.577	441.066	-2.083	6.057	11.189	-16215.6
7131_7131	7131	7131	163.379	-433.836	2.053	6.493	-9.87	16219.79
7131_7132	7131	7132	-171.789	468.98	-2.053	-6.567	-14.303	-21562.7
7132_7132	7132	7132	-1943.22	216.883	14.252	6.242	-176.674	5745.618
7132_7133	7132	7133	1946.295	-190.3	-14.252	-6.242	29.598	-3659.28
7133_7133	7133	7133	-1953.28	190.297	11.486	0.686	-28.989	3693.286
7133_7134	7133	7134	1955.948	-172.046	-11.486	-0.686	-60.029	-2301.97
7134_7134	7134	7134	-1955.98	172.046	6.046	-6.711	60.029	2301.96
7134_7135	7134	7135	1958.651	-153.772	-6.046	6.711	-106.945	-1050.56
7135_7135	7135	7135	-1958.63	115.356	-3.108	-0.792	106.945	1050.643
7135_7136	7135	7136	1961.993	-96.54	3.108	0.792	-82.113	-219.65
7136_7136	7136	7136	-1962	96.54	-0.451	0.328	82.113	219.65
7136_7137	7136	7137	1965.363	-77.701	0.451	-0.328	-78.504	461.753
7137_7137	7137	7137	-1965.36	77.701	-0.451	0.328	78.504	-461.753
7137_7138	7137	7138	1968.73	-58.861	0.451	-0.328	-74.895	992.437
7138_7138	7138	7138	-1968.73	19.779	-4.535	0.221	74.895	-992.492
7138_7139	7138	7139	1970.646	-5.649	4.535	-0.221	-47.685	1059.454

7139_7139	7139	7139	-1970.65	5.649	-1.015	-0.188	47.685	-1059.46
7139_7140	7139	7140	1972.572	8.481	1.015	0.188	-41.597	1041.637
7140_7140	7140	7140	-1972.57	-8.481	-1.015	-0.188	41.597	-1041.64
7140_7141	7140	7141	1974.494	22.61	1.015	0.188	-35.509	939.039
7141_7141	7141	7141	-1974.49	-22.61	-1.015	-0.188	35.509	-939.039
7141_7142	7141	7142	1976.416	36.74	1.015	0.188	-29.421	751.663
7142_7142	7142	7142	-1976.41	-77.827	-4.28	-0.883	29.421	-751.727
7142_7143	7142	7143	1978.108	96.667	4.28	0.883	4.819	44.743
7143_7143	7143	7143	-1978.11	-96.667	-1.64	0.273	-4.819	-44.743
7143_7144	7143	7144	1979.806	115.507	1.64	-0.273	17.937	-812.955
7144_7144	7144	7144	-1979.81	-115.507	-1.64	0.273	-17.937	812.955
7144_7145	7144	7145	1981.501	134.346	1.64	-0.273	31.055	-1821.37
7145_7145	7145	7145	-1981.51	-177.955	0.699	1.614	-31.055	1821.302
7145_7146	7145	7146	1982.971	196.206	-0.699	-1.614	25.641	-3279.33
7146_7146	7146	7146	-1982.97	-196.206	-2.027	-4.038	-25.641	3279.332
7146_7147	7146	7147	1984.435	214.457	2.027	4.038	41.348	-4878.82
7147_7147	7147	7147	-1972.32	-214.46	0.478	3.075	-41.36	4819.691
7147_7148	7147	7148	1973.783	238.931	-0.478	-3.075	36.821	-6981.65
7148_7148	7148	7148	172.05	461.823	-0.271	-8.659	-12.127	23548.33
7148_7149	7148	7149	-150.728	-424.353	0.271	8.628	15.539	-18013.5
7149_7149	7149	7149	138.875	430.479	-0.32	8.209	-17.258	18011.12
7149_7150	7149	7150	-116.833	-395.268	0.32	-8.238	21.276	-12869.5
7150_7150	7150	7150	103.053	358.123	1.751	-0.921	-20.431	12868.06
7150_7151	7150	7151	-84.736	-322.506	-1.751	0.942	-2.812	-8370.45
7151_7151	7151	7151	602.547	320.478	0.54	0.781	-7.286	5538.329
7151_7152	7151	7152	-597.859	-292.34	-0.54	-0.792	0.936	-2035.9
7152_7152	7152	7152	591.161	247.046	-0.24	-2.516	-0.88	2036.495
7152_7153	7152	7153	-572.035	-227.625	0.24	2.521	2.859	-179.684
7153_7153	7153	7153	603.402	231.022	-0.149	1.334	-3.27	14.452
7153_7154	7153	7154	-549.295	-199.649	0.149	-1.334	5.323	2712.425
7154_7154	7154	7154	549.289	157.459	0.074	0.113	-5.323	-2712.41
7154_7155	7154	7155	-509.279	-132.36	-0.074	-0.113	4.511	4132.9
7155_7155	7155	7155	509.279	132.36	0.074	0.113	-4.511	-4132.9
7155_7156	7155	7156	-469.269	-107.261	-0.074	-0.113	3.699	5277.295
7156_7156	7156	7156	469.271	71.435	0.027	-4.046	-3.699	-5277.3
7156_7157	7156	7157	-434.731	-48.618	-0.027	4.046	3.428	5726.965
7157_7157	7157	7157	434.731	48.618	0.082	4.126	-3.428	-5726.97
7157_7158	7157	7158	-400.191	-25.8	-0.082	-4.126	2.608	5948.461
7158_7158	7158	7158	400.185	-7.249	0.07	-3.76	-2.608	-5948.43
7158_7159	7158	7159	-368.005	30.089	-0.07	3.76	1.911	5620.392
7159_7159	7159	7159	368.005	-30.089	0.125	3.674	-1.911	-5620.39
7159_7160	7159	7160	-335.856	52.906	-0.125	-3.674	0.664	5064.384
7160_7160	7160	7160	335.856	-90.042	0.106	-2.35	-0.664	-5064.37
7160_7161	7160	7161	-303.251	115.141	-0.106	2.35	-0.499	3791.841
7161_7161	7161	7161	303.251	-115.141	0.156	2.104	0.499	-3791.84
7161_7162	7161	7162	-270.646	140.24	-0.156	-2.104	-2.211	2243.215
7162_7162	7162	7162	270.645	-180.64	0.269	-0.241	2.211	-2243.23
7162_7163	7162	7163	-232.087	212.013	-0.269	0.241	-5.914	-627.96
7163_7163	7163	7163	236.051	-209.371	0.217	0.026	5.934	621.127
7163_7164	7163	7164	-213.662	228.834	-0.217	-0.026	-7.727	-2530.99
7164_7164	7164	7164	220.288	-273.645	0.061	-1.906	7.668	2531.734
7164_7165	7164	7165	-195.042	301.726	-0.061	1.915	-8.386	-6046.09
7165_7165	7165	7165	185.483	-295.532	0.208	2.361	10.947	6145.363
7165_7166	7165	7166	-170.75	331.765	-0.208	-2.352	-13.71	-10433
7166_7166	7166	7166	184.874	-377.857	-0.047	-6.402	13.021	10435.12

7166_7167	7166	7167	-182.741	413.643	0.047	6.379	-12.436	-15498.3
7167_7167	7167	7167	194.299	-406.436	-0.094	6.954	13.86	15501.75
7167_7168	7167	7168	-199.785	444.395	0.094	-6.979	-12.683	-20937.5
7168_7168	7168	7168	-1853.22	245.453	-1.627	-3.431	7.869	6026.325
7168_7169	7168	7169	1859.899	-220.648	1.627	3.431	7.59	-3841.1
7169_7169	7169	7169	-1866.2	220.633	0.678	1.496	-6.563	3871.857
7169_7170	7169	7170	1872.049	-201.878	-0.678	-1.496	1.312	-2259.96
7170_7170	7170	7170	-1872.05	201.878	0.678	1.496	-1.312	2259.957
7170_7171	7170	7171	1877.902	-183.124	-0.678	-1.496	-3.939	-793.405
7171_7171	7171	7171	-1877.88	135.794	0.782	0.551	3.939	793.299
7171_7172	7171	7172	1883.653	-116.435	-0.782	-0.551	-10.194	190.547
7172_7172	7172	7172	-1883.65	116.435	-1.804	-0.03	10.194	-190.547
7172_7173	7172	7173	1889.423	-97.075	1.804	0.03	4.237	1019.522
7173_7173	7173	7173	-1889.42	97.075	0.782	-0.411	-4.237	-1019.52
7173_7174	7173	7174	1895.194	-77.716	-0.782	0.411	-2.017	1693.614
7174_7174	7174	7174	-1895.2	33.295	0.872	-0.423	2.017	-1693.69
7174_7175	7174	7175	1899.023	-18.775	-0.872	0.423	-7.252	1833.047
7175_7175	7175	7175	-1899.02	18.775	-2.575	1.273	7.252	-1833.05
7175_7176	7175	7176	1902.847	-4.256	2.575	-1.273	8.199	1885.281
7176_7176	7176	7176	-1902.85	4.256	0.872	-0.439	-8.199	-1885.28
7176_7177	7176	7177	1906.674	10.264	-0.872	0.439	2.965	1850.398
7177_7177	7177	7177	-1906.67	-10.264	0.872	-0.439	-2.965	-1850.4
7177_7178	7177	7178	1910.5	24.783	-0.872	0.439	-2.269	1728.396
7178_7178	7178	7178	-1910.5	-69.747	0.626	-0.432	2.269	-1728.48
7178_7179	7178	7179	1914.842	89.106	-0.626	0.432	-7.277	1073.582
7179_7179	7179	7179	-1914.84	-89.106	-1.96	-0.334	7.277	-1073.58
7179_7180	7179	7180	1919.182	108.466	1.96	0.334	8.401	263.801
7180_7180	7180	7180	-1919.18	-108.466	0.626	0.646	-8.401	-263.802
7180_7181	7180	7181	1923.523	127.825	-0.626	-0.646	3.394	-700.849
7181_7181	7181	7181	-1923.51	-174.757	0.892	2.006	-3.394	700.756
7181_7182	7181	7182	1927.672	193.511	-0.892	-2.006	-3.517	-2146.64
7182_7182	7182	7182	-1927.67	-193.511	0.892	2.006	3.517	2146.644
7182_7183	7182	7183	1931.837	212.266	-0.892	-2.006	-10.428	-3737.88
7183_7183	7183	7183	-1919.54	-212.261	-1.531	-3.74	10.144	3677.882
7183_7184	7183	7184	1924.332	237.067	1.531	3.74	4.399	-5833.83
7184_7184	7184	7184	165.767	455.41	0.35	7.356	-15.789	20661.16
7184_7185	7184	7185	-138.06	-417.742	-0.35	-7.382	11.392	-15191.9
7185_7185	7185	7185	126.312	425.08	0.398	-6.787	-9.876	15189.23
7185_7186	7185	7186	-98.989	-389.642	-0.398	6.764	4.881	-10099.9
7186_7186	7186	7186	85.061	349.358	-0.836	-0.613	-5.441	10098.45
7186_7187	7186	7187	-64.096	-313.418	0.836	0.614	16.541	-5698.74
7187_7187	7187	7187	565.903	312.933	0.163	0.762	-3.299	2953.043
7187_7188	7187	7188	-563.048	-283.581	-0.163	-0.746	1.387	475.693
7188_7188	7188	7188	556.463	235.247	0.061	-3.43	-1.323	-474.711
7188_7189	7188	7189	-540.994	-214.947	-0.061	3.429	0.817	2247.815
7189_7189	7189	7189	559.108	218.672	0.112	2.851	-0.776	-2244.24
7189_7190	7189	7190	-515.126	-184.415	-0.112	-2.851	-0.767	4828.161
7190_7190	7190	7190	515.127	140.736	-0.093	0.196	0.767	-4828.16
7190_7191	7190	7191	-481.881	-113.33	0.093	-0.196	0.256	6083.203
7191_7191	7191	7191	481.881	113.33	-0.093	0.196	-0.256	-6083.2
7191_7192	7191	7192	-448.634	-85.925	0.093	-0.196	1.28	7036.786
7192_7192	7192	7192	448.635	46.904	-0.02	0.071	-1.28	-7036.77
7192_7193	7192	7193	-420.438	-22.04	0.02	-0.071	1.478	7259.182
7193_7193	7193	7193	420.438	22.04	-0.02	0.022	-1.478	-7259.18
7193_7194	7193	7194	-392.213	2.849	0.02	-0.022	1.68	7233.297

7194_7194	7194	7194	392.213	-38.24	0.088	4.154	-1.68	-7233.32
7194_7195	7194	7195	-366.032	63.128	-0.088	-4.154	0.799	6613.07
7195_7195	7195	7195	366.032	-63.128	0.031	-4.329	-0.799	-6613.07
7195_7196	7195	7196	-339.852	88.017	-0.031	4.329	0.487	5744.181
7196_7196	7196	7196	339.848	-127.434	0.142	-0.219	-0.487	-5744.16
7196_7197	7196	7197	-313.48	154.84	-0.142	0.219	-1.08	4075.741
7197_7197	7197	7197	313.48	-154.84	0.142	-0.219	1.08	-4075.74
7197_7198	7197	7198	-287.113	182.245	-0.142	0.219	-2.647	2105.858
7198_7198	7198	7198	287.119	-223.726	-0.04	-0.614	2.647	-2105.87
7198_7199	7198	7199	-255.554	257.957	0.04	0.614	-2.101	-1343.39
7199_7199	7199	7199	258.623	-254.939	-0.096	0.431	2.065	1270.352
7199_7200	7199	7200	-239.408	276.145	0.096	-0.431	-1.274	-3555.25
7200_7200	7200	7200	247.197	-321.155	-0.433	2.57	1.356	3556.212
7200_7201	7200	7201	-225.595	351.745	0.433	-2.561	3.734	-7635.71
7201_7201	7201	7201	223.406	-344.302	-0.045	-4.502	-0.841	7708.659
7201_7202	7201	7202	-215.122	384.892	0.045	4.508	1.441	-12646.4
7202_7202	7202	7202	230.77	-429.03	-0.702	7.692	-0.47	12649.42
7202_7203	7202	7203	-231.73	468.913	0.702	-7.724	9.275	-18360.1
7203_7203	7203	7203	244.799	-460.627	-0.655	-8.192	-10.98	18364.66
7203_7204	7203	7204	-251.566	502.683	0.655	8.156	19.225	-24493
7204_7204	7204	7204	-2025.01	276.925	-6.843	2.283	168.373	7651.554
7204_7205	7204	7205	2029.891	-249.061	6.843	-2.283	-103.363	-5175.1
7205_7205	7205	7205	-2032.03	249.053	-9.644	-3.584	105.07	4936.689
7205_7206	7205	7206	2036.314	-227.804	9.644	3.584	-30.331	-3107.7
7206_7206	7206	7206	-2036.32	227.804	-6.677	1.285	30.331	3107.704
7206_7207	7206	7207	2040.6	-206.554	6.677	-1.285	21.415	-1443.42
7207_7207	7207	7207	-2040.63	155.419	-1.276	0.171	-21.415	1443.416
7207_7208	7207	7208	2044.725	-133.484	1.276	-0.171	31.624	-305.955
7208_7208	7208	7208	-2044.73	133.484	-1.276	0.171	-31.624	305.955
7208_7209	7208	7209	2048.82	-111.549	1.276	-0.171	41.833	656.024
7209_7209	7209	7209	-2048.82	111.549	-4.15	-0.063	-41.833	-656.022
7209_7210	7209	7210	2052.912	-89.614	4.15	0.063	75.035	1442.523
7210_7210	7210	7210	-2052.93	38.787	0.311	-0.211	-75.035	-1442.5
7210_7211	7210	7211	2055.554	-22.336	-0.311	0.211	73.169	1614.015
7211_7211	7211	7211	-2055.55	22.336	0.311	-0.211	-73.169	-1614.02
7211_7212	7211	7212	2058.176	-5.885	-0.311	0.211	71.304	1686.818
7212_7212	7212	7212	-2058.17	5.885	-3.521	0.956	-71.304	-1686.82
7212_7213	7212	7213	2060.796	10.567	3.521	-0.956	92.431	1660.908
7213_7213	7213	7213	-2060.8	-10.567	0.311	-0.098	-92.431	-1660.91
7213_7214	7213	7214	2063.419	27.018	-0.311	0.098	90.565	1536.295
7214_7214	7214	7214	-2063.44	-78.899	2.474	0.664	-90.565	-1536.28
7214_7215	7214	7215	2066.232	100.835	-2.474	-0.664	70.773	804.328
7215_7215	7215	7215	-2066.23	-100.835	2.474	0.664	-70.773	-804.328
7215_7216	7215	7216	2069.026	122.77	-2.474	-0.664	50.981	-103.11
7216_7216	7216	7216	-2069.03	-122.77	-0.4	-0.932	-50.981	103.111
7216_7217	7216	7217	2071.822	144.705	0.4	0.932	54.181	-1186.04
7217_7217	7217	7217	-2071.86	-196.327	6.697	-18.879	-54.181	1185.847
7217_7218	7217	7218	2074.33	217.577	-6.697	18.879	2.279	-2801.44
7218_7218	7218	7218	-2074.33	-217.577	6.697	-18.879	-2.279	2801.441
7218_7219	7218	7219	2076.799	238.827	-6.697	18.879	-49.623	-4581.72
7219_7219	7219	7219	-2068.74	-238.826	28.242	39.679	49.69	4796.974
7219_7220	7219	7220	2071.595	266.69	-28.242	-39.679	-317.987	-7212.05
7220_7220	7220	7220	211.757	501.801	1.476	-33.684	-21.208	23930.54
7220_7221	7220	7221	-189.083	-460.064	-1.476	33.671	2.649	-17895.1
7221_7221	7221	7221	176.09	468.05	1.33	33.554	-9.72	17891.59

7221_7222	7221	7222	-153.996	-428.497	-1.33	-33.566	-6.974	-12278.9
7222_7222	7222	7222	138.833	389.586	-1.784	-2.79	10.181	12278.05
7222_7223	7222	7223	-121.348	-349.295	1.784	2.718	13.513	-7371.59
7223_7223	7223	7223	616.385	349.141	0.76	2.818	-10.417	4599.157
7223_7224	7223	7224	-615.559	-317	-0.76	-2.802	1.492	-757.583
7224_7224	7224	7224	608.173	267.765	0.695	10.989	-1.545	758.639
7224_7225	7224	7225	-592.204	-245.507	-0.695	-10.993	-4.19	1271.041
7225_7225	7225	7225	566.511	249.816	0.497	-7.95	4.45	-1077.36
7225_7226	7225	7226	-522.093	-207.96	-0.497	7.95	-11.893	4309.848
7226_7226	7226	7226	522.11	158.846	0.503	15.523	11.893	-4310.04
7226_7227	7226	7227	-489.059	-126.359	-0.503	-15.523	-17.735	5822.141
7227_7227	7227	7227	489.059	126.359	0.309	-15.015	17.735	-5822.14
7227_7228	7227	7228	-456.032	-93.896	-0.309	15.015	-21.328	6956.128
7228_7228	7228	7228	456.027	46.122	0.289	20.085	21.328	-6955.98
7228_7229	7228	7229	-425.092	-13.655	-0.289	-20.085	-24.684	7166.787
7229_7229	7229	7229	425.088	13.655	0.05	-20.418	24.684	-7166.78
7229_7230	7229	7230	-394.147	18.817	-0.05	20.418	-25.259	7000.578
7230_7230	7230	7230	394.02	-69.924	1.58	14.385	25.259	-6999.84
7230_7231	7230	7231	-365.35	103.801	-1.58	-14.385	-44.405	5820.247
7231_7231	7231	7231	365.368	-103.801	1.354	-15.668	44.405	-5820.26
7231_7232	7231	7232	-336.668	137.714	-1.354	15.668	-60.819	4228.382
7232_7232	7232	7232	336.759	-184.441	0	10.87	60.819	-4228.04
7232_7233	7232	7233	-328.719	193.011	0	-10.87	-60.819	3613.942
7233_7233	7233	7233	336.968	-190.429	-0.324	2.913	65.627	-3645.2
7233_7234	7233	7234	-320.067	207.47	0.324	-2.924	-63.697	2384.24
7234_7234	7234	7234	323.426	-202.797	-0.4	-2.825	63.621	-2383.59
7234_7235	7234	7235	-298.115	226.973	0.4	2.782	-60.268	463.732
7235_7235	7235	7235	301.656	-222.534	-0.489	-5.613	60.148	-462.974
7235_7236	7235	7236	-285.122	239.032	0.489	5.567	-57.38	-928.279
7236_7236	7236	7236	288.083	-290.702	0.095	-6.068	57.262	928.042
7236_7237	7236	7237	-273.685	327.922	-0.095	6.277	-58.267	-4345.5
7237_7237	7237	7237	221.388	-322.708	-0.661	5.016	129.527	4703.941
7237_7238	7237	7238	-220.192	357.497	0.661	-4.714	-123.208	-8012.26
7238_7238	7238	7238	230.756	-379.892	3.966	-23.454	120.67	8013.25
7238_7239	7238	7239	-233.735	415.362	-3.966	23.115	-158.107	-11829
7239_7239	7239	7239	233.474	-415.411	3.847	15.501	162.016	11829.21
7239_7240	7239	7240	-237.953	456.253	-3.847	-15.84	-202.323	-16459
7240_7240	7240	7240	-1819.45	307.507	-61.413	-5.379	1198.243	4392.225
7240_7241	7240	7241	1825.805	-280.764	61.413	5.379	-723.459	-2145.42
7241_7241	7241	7241	-1823.02	280.755	-54.373	4.416	726.668	2131.107
7241_7242	7241	7242	1830.284	-251.596	54.373	-4.416	-261.476	115.047
7242_7242	7242	7242	-1830.38	251.596	-49.981	5.992	261.476	-115.072
7242_7243	7242	7243	1837.348	-223.629	49.981	-5.992	148.657	2035.031
7243_7243	7243	7243	-1838.67	166.117	-16.214	3.411	-148.657	-2035.29
7243_7244	7243	7244	1843.171	-131.578	16.214	-3.411	312.971	3523.545
7244_7244	7244	7244	-1843.2	131.578	-11.19	-2.488	-312.971	-3523.55
7244_7245	7244	7245	1847.419	-99.221	11.19	2.488	419.21	4600.232
7245_7245	7245	7245	-1847.03	54.427	-12.869	5.204	-419.21	-4599.34
7245_7246	7245	7246	1851.011	-19.185	12.869	-5.204	552.282	4961.747
7246_7246	7246	7246	-1851.04	19.185	-7.492	-4.403	-552.282	-4961.75
7246_7247	7246	7247	1854.613	12.437	7.492	4.403	621.796	4976.756
7247_7247	7247	7247	-1854.67	-64.027	-2.383	7.061	-621.796	-4976
7247_7248	7247	7248	1857.302	96.031	2.383	-7.061	644.17	4211.959
7248_7248	7248	7248	-1857.29	-96.031	6.235	-4.784	-644.17	-4211.97
7248_7249	7248	7249	1860.164	130.925	-6.235	4.784	580.341	3036.511

7249_7249	7249	7249	-1860.51	-177.811	24.794	0.58	-580.341	-3036.1
7249_7250	7249	7250	1862.684	211.856	-24.794	-0.58	332.665	1078.975
7250_7250	7250	7250	-1862.61	-211.856	30.453	1.5	-332.665	-1078.98
7250_7251	7250	7251	1864.712	244.677	-30.453	-1.5	39.403	-1129.73
7251_7251	7251	7251	-1863.64	-294.178	-11.268	-48.822	-39.403	1128.584
7251_7252	7251	7252	1863.218	320.596	11.268	48.822	126.747	-3511.45
7252_7252	7252	7252	-1859.78	-320.594	-2.316	-27.496	-127.285	3494.885
7252_7253	7252	7253	1859.271	353.439	2.316	27.496	149.277	-6695.1
7253_7253	7253	7253	191.64	458.844	-46.08	97.662	22.652	18373
7253_7254	7253	7254	-176.898	-430.539	46.08	-97.896	314.107	-15127.8
7254_7254	7254	7254	160.453	373.772	28.088	-14.037	-299.879	15120.99
7254_7255	7254	7255	-139.539	-330.218	-28.088	14.202	-27.168	-11017.6
7255_7255	7255	7255	131.652	336.281	28.096	18.852	24.144	11014.98
7255_7256	7255	7256	-115.086	-299.864	-28.096	-18.731	-306.984	-7809.69
7256_7256	7256	7256	106.845	264.273	-12.372	-12.725	308.765	7807.703
7256_7257	7256	7257	-97.787	-230.977	12.372	12.719	-192.453	-5459.13
7257_7257	7257	7257	39.545	236.27	-12.384	1.527	192.472	5744.483
7257_7258	7257	7258	-36.32	-214.926	12.384	-1.53	-103.961	-4107.71
7258_7258	7258	7258	33.396	217.362	-12.381	8.571	103.766	4107.225
7258_7259	7258	7259	-34.088	-202.192	12.381	-8.572	-40.63	-3015.84
7259_7259	7259	7259	531.557	150.129	1.282	12.922	-2.722	547.189
7259_7260	7259	7260	-565.877	-126.213	-1.282	-12.913	-7.223	669.343
7260_7260	7260	7260	589.122	130.151	1.194	-1.776	6.349	-938.834
7260_7261	7260	7261	-621.834	-103.927	-1.194	1.776	-16.711	2110.68
7261_7261	7261	7261	621.834	103.927	1.131	-9.123	16.711	-2110.68
7261_7262	7261	7262	-652.195	-79.587	-1.131	9.123	-25.823	2994.619
7262_7262	7262	7262	652.201	13.996	0.476	9.496	25.823	-2994.65
7262_7263	7262	7263	-700.275	20.995	-0.476	-9.496	-31.332	3182.201
7263_7263	7263	7263	700.274	-20.995	0.358	-8.627	31.332	-3182.19
7263_7264	7263	7264	-747.901	55.66	-0.358	8.627	-35.435	2968.388
7264_7264	7264	7264	747.931	-109.456	0.824	14.478	35.435	-2968.48
7264_7265	7264	7265	-798.181	144.843	-0.824	-14.478	-45.091	1716.44
7265_7265	7265	7265	798.176	-144.843	0.623	-15.378	45.091	-1716.42
7265_7266	7265	7266	-846.848	179.119	-0.623	15.378	-52.157	108.54
7266_7266	7266	7266	846.947	-236.153	0.506	6.549	52.157	-108.351
7266_7267	7266	7267	-897.966	270.809	-0.506	-6.549	-57.96	-2559.34
7267_7267	7267	7267	897.968	-270.809	0.338	-8.844	57.96	2559.348
7267_7268	7267	7268	-949.459	305.787	-0.338	8.844	-61.877	-5654.81
7268_7268	7268	7268	949.605	-372.915	5.394	1.837	61.877	5655.787
7268_7269	7268	7269	-968.977	384.986	-5.394	-1.837	-83.429	-7078.98
7269_7269	7269	7269	890.684	-379.208	5.072	-4.727	78.038	7726.042
7269_7270	7269	7270	-907.977	411.084	-5.072	4.698	-127.567	-11466.4
7270_7270	7270	7270	916.698	-400.852	4.932	-0.963	127.638	11465.22
7270_7271	7270	7271	-893.584	434.999	-4.932	0.887	-178.2	-15738.1
7271_7271	7271	7271	786.983	-488.524	-13.673	-31.857	157.855	16455
7271_7272	7271	7272	-733.64	535.859	13.673	31.677	10.123	-22826.9
7272_7272	7272	7272	747.786	-525.39	-13.868	28.035	-6.19	22826.36
7272_7273	7272	7273	-682.309	575.619	13.868	-28.26	179.392	-29841.9
7273_7273	7273	7273	696.995	-586.948	23.479	-53.226	-187.331	29848.49
7273_7274	7273	7274	-669.146	610.096	-23.479	53.288	56.412	-33254.9
7274_7274	7274	7274	678.161	-604.479	23.367	3.899	-50.744	33255.51
7274_7275	7274	7275	-641.026	638.78	-23.367	-3.796	-137.341	-38364
7275_7275	7275	7275	-2409.18	468.632	28.295	37.782	605.42	12129.24
7275_7276	7275	7276	2477.451	-448.548	-28.295	-37.782	-761.018	-9899.69
7276_7276	7276	7276	-2942.42	385.71	-64.167	-22.679	928.534	12099.96

7276_7277	7276	7277	2945.92	-370.982	64.167	22.679	-671.978	-10601.4
7277_7277	7277	7277	-2952.14	370.968	-58.742	-8.965	676.137	10889.53
7277_7278	7277	7278	2961.375	-336.104	58.742	8.965	-81.052	-7346.44
7278_7278	7278	7278	-2961.53	336.104	-49.434	14.124	81.052	7346.412
7278_7279	7278	7279	2969.936	-304.368	49.434	-14.124	374.807	-4428.29
7279_7279	7279	7279	-2969.57	226.392	-19.135	-6.409	-374.807	4429.033
7279_7280	7279	7280	2973.207	-186.213	19.135	6.409	598.204	-2035.49
7280_7280	7280	7280	-2973.25	186.213	-5.608	5.472	-598.204	2035.471
7280_7281	7280	7281	2977.053	-144.289	5.608	-5.472	666.523	-38.046
7281_7281	7281	7281	-3027.18	107.524	-1.076	0.072	-678.477	272.185
7281_7282	7281	7282	3036.309	-71.238	1.076	-0.072	691.815	796.389
7282_7282	7282	7282	-3036.3	71.238	7.972	-0.018	-691.815	-796.395
7282_7283	7282	7283	3044.74	-37.675	-7.972	0.018	600.426	1384.427
7283_7283	7283	7283	-3045.26	-62.231	-6.435	-0.854	-600.426	-1384.67
7283_7284	7283	7284	3045.838	93.577	6.435	0.854	669.317	547.47
7284_7284	7284	7284	-3045.84	-93.577	6.576	0.646	-669.317	-547.471
7284_7285	7284	7285	3046.358	122.023	-6.576	-0.646	605.431	-502.732
7285_7285	7285	7285	-3046.69	-183.214	99.3	-10.357	-605.431	502.625
7285_7286	7285	7286	3047.234	207.135	-99.3	10.357	-205.871	-2100.49
7286_7286	7286	7286	-3047.06	-207.135	104.773	-5.1	205.871	2100.503
7286_7287	7286	7287	3047.551	228.645	-104.773	5.1	-975.59	-3704.17
7287_7287	7287	7287	-3039.72	-228.646	111.91	-4.307	976.001	3400.439
7287_7288	7287	7288	3040.15	254.049	-111.91	4.307	-1872.78	-5337.05
7288_7288	7288	7288	262.328	846.381	-20.682	-25.837	324.741	29982.15
7288_7289	7288	7289	-246.185	-800.299	20.682	25.854	-61.799	-19562.5
7289_7289	7289	7289	233.556	804.675	-20.756	44.368	55.703	19560.9
7289_7290	7289	7290	-217.205	-766.38	20.756	-44.356	173.531	-10932.5
7290_7290	7290	7290	195.394	698.404	5.153	-9.09	-169.209	10932.91
7290_7291	7290	7291	-185.584	-673.515	-5.153	9.103	131.194	-5899.35
7291_7291	7291	7291	171.88	678.239	5.133	0.483	-131.593	5898.419
7291_7292	7291	7292	-161.19	-649.292	-5.133	-0.473	86.877	-147.671
7292_7292	7292	7292	127.75	653.185	5.09	12.306	-85.359	258.299
7292_7293	7292	7293	-122.724	-640.889	-5.09	-12.304	63.617	2487.455
7293_7293	7293	7293	113.831	588.381	-0.895	11.1	-63.451	-2487.89
7293_7294	7293	7294	-109.064	-567.875	0.895	-11.102	69.837	6595.563
7294_7294	7294	7294	106.45	568.755	-0.939	3.231	-69.784	-6595.65
7294_7295	7294	7295	-101.516	-544.081	0.939	-3.231	77.852	11356.36
7295_7295	7295	7295	126.673	544.171	-0.897	-18.723	-78.417	-11498
7295_7296	7295	7296	-122.967	-520.736	0.897	18.723	84.741	15236.23
7296_7296	7296	7296	23.521	449.149	3.321	25.405	-59.296	-14677.3
7296_7297	7296	7297	-28.09	-412.777	-3.321	-25.405	22.814	19437.9
7297_7297	7297	7297	28.1	412.777	3.285	-15.737	-22.814	-19437.9
7297_7298	7297	7298	-32.838	-375.058	-3.285	15.737	-14.611	23952.76
7298_7298	7298	7298	32.779	309.917	0.407	50.694	14.611	-23955.4
7298_7299	7298	7299	-37.833	-272.746	-0.407	-50.694	-19.185	27253.79
7299_7299	7299	7299	37.835	272.746	0.358	-36.115	19.185	-27253.8
7299_7300	7299	7300	-43.51	-231.016	-0.358	36.115	-23.694	30459.5
7300_7300	7300	7300	43.491	162.653	0.01	50.426	23.694	-30462.9
7300_7301	7300	7301	-51.212	-122.313	-0.01	-50.426	-23.82	32239.08
7301_7301	7301	7301	51.213	122.313	-0.034	-44.128	23.82	-32239.1
7301_7302	7301	7302	-58.594	-83.749	0.034	44.128	-23.427	33477.55
7302_7302	7302	7302	58.594	14.208	0.548	56.533	23.427	-33480.8
7302_7303	7302	7303	-69.031	28.106	-0.548	-56.533	-30.436	33444.8
7303_7303	7303	7303	69.034	-28.106	0.498	-58.094	30.436	-33444.8
7303_7304	7303	7304	-78.057	64.687	-0.498	58.094	-35.934	32977.79

7304_7304	7304	7304	78.052	-135.711	0.412	54.79	35.934	-32981.4
7304_7305	7304	7305	-89.333	173.963	-0.412	-54.79	-40.698	31248.66
7305_7305	7305	7305	89.336	-173.963	0.364	-47.87	40.698	-31248.7
7305_7306	7305	7306	-101.314	214.577	-0.364	47.87	-45.163	28925.19
7306_7306	7306	7306	101.283	-289.074	-0.335	47.187	45.163	-28927.9
7306_7307	7306	7307	-114.096	328.421	0.335	-47.187	-41.183	25321.8
7307_7307	7307	7307	114.092	-328.421	-0.389	-46.488	41.183	-25321.8
7307_7308	7307	7308	-126.963	367.947	0.389	46.488	-36.534	21228.47
7308_7308	7308	7308	127.132	-456.661	7.813	28.391	36.534	-21230.3
7308_7309	7308	7309	-140.866	496.39	-7.813	-28.391	-130.296	15579.57
7309_7309	7309	7309	140.911	-496.39	7.755	-31.147	130.296	-15579.6
7309_7310	7309	7310	-154.436	535.512	-7.755	31.147	-221.942	9549.204
7310_7310	7310	7310	153.991	-636.406	-16.592	-1.809	221.942	-9549.37
7310_7311	7310	7311	-175.451	680.689	16.592	1.809	0	847.149
7400_7020	7400	7020	2609.681	-245.795	50.853	0.762	-405.56	-3721.16
7400_7401	7400	7401	-2610.73	249.776	-50.853	-0.762	197.601	2707.856
7401_7401	7401	7401	2607.83	-244.628	18.542	-0.274	-194.046	-2707.95
7401_7402	7401	7402	-2608.74	248.022	-18.542	0.274	129.342	1848.391
7402_7402	7402	7402	2613.968	-185.359	13.427	-0.865	-130.393	-1848.32
7402_7403	7402	7403	-2617.06	195.915	-13.427	0.865	-16.297	-234.317
7403_7403	7403	7403	2616.626	-119.643	0.126	-0.739	14.01	234.31
7403_7404	7403	7404	-2618.88	126.54	-0.126	0.739	-14.921	-1121.56
7404_7404	7404	7404	2621.117	-65.546	-1.483	-0.391	15.145	1121.56
7404_7405	7404	7405	-2623.53	72.393	1.483	0.391	-4.453	-1618.93
7405_7405	7405	7405	2623.412	14.704	0.313	-0.447	3.499	1618.927
7405_7406	7405	7406	-2628.72	-1.205	-0.313	0.447	-8.005	-1504.33
7406_7406	7406	7406	2628.468	88.814	-1.063	-0.485	7.941	1504.322
7406_7407	7406	7407	-2632.02	-80.632	1.063	0.485	1.48	-753.652
7407_7407	7407	7407	2629.756	135.74	-1.314	-0.384	-1.458	753.652
7407_7408	7407	7408	-2632.21	-130.4	1.314	0.384	8.758	-14.252
7408_7408	7408	7408	2607.865	-428.092	-0.095	-2.213	-9.39	14.26
7408_7409	7408	7409	-2608.56	431.209	0.095	2.213	9.678	-1311.53
7409_7409	7409	7409	2603.94	413.455	-1.665	1.132	-9.433	1312.211
7409_7410	7409	7410	-2603.24	-410.328	1.665	-1.132	14.476	-64.56
7410_7410	7410	7410	2627.462	-149.148	2.051	-0.811	-13.383	64.558
7410_7411	7410	7411	-2625.01	154.487	-2.051	0.811	1.988	-907.982
7411_7411	7411	7411	2627.667	-99.516	1.131	-0.457	-2.14	907.982
7411_7412	7411	7412	-2624.11	107.695	-1.131	0.457	-7.882	-1825.75
7412_7412	7412	7412	2628.684	-19.851	0.126	-0.591	7.971	1825.768
7412_7413	7412	7413	-2623.38	33.354	-0.126	0.591	-9.787	-2209.12
7413_7413	7413	7413	2627.225	53.758	-0.635	0.346	9.671	2209.157
7413_7414	7413	7414	-2624.81	-46.907	0.635	-0.346	-5.087	-1845.96
7414_7414	7414	7414	2623.053	106.826	1.482	-1.28	5.588	1845.962
7414_7415	7414	7415	-2620.8	-99.934	-1.482	1.28	-16.263	-1101.31
7415_7415	7415	7415	2623.074	176.978	-10.538	-1.057	18.239	1101.344
7415_7416	7415	7416	-2619.98	-166.424	10.538	1.057	96.871	774.15
7416_7416	7416	7416	2615.307	228.51	-8.532	1.849	-97.031	-774.129
7416_7417	7416	7417	-2614.4	-225.12	8.532	-1.849	126.769	1564.673
7417_7417	7417	7417	2617.529	231.484	-30.343	-1.118	-127.694	-1564.65
7417_7036	7417	7036	-2616.48	-227.497	30.343	1.118	251.949	2504.401
7420_7056	7420	7056	2194.473	-229.012	35.862	0.897	-202.702	-3857.9
7420_7421	7420	7421	-2195.4	232.546	-35.862	-0.897	55.811	2912.62
7421_7421	7421	7421	2192.128	-227.794	5.672	0.552	-57.021	-2912.59
7421_7422	7421	7422	-2192.93	230.8	-5.672	-0.552	37.241	2112.934
7422_7422	7422	7422	2197.839	-178.14	4.196	-0.008	-37.643	-2112.93

7422_7423	7422	7423	-2200.58	187.488	-4.196	0.008	-8.173	116.817
7423_7423	7423	7423	2200.415	-124.811	0.748	0.021	6.11	-116.821
7423_7424	7423	7424	-2202.41	130.929	-0.748	-0.021	-11.504	-805.732
7424_7424	7424	7424	2204.898	-78.681	-0.943	0.374	11.722	805.729
7424_7425	7424	7425	-2207.04	84.745	0.943	-0.374	-4.923	-1394.79
7425_7425	7425	7425	2207.175	-12.519	-0.174	0.257	4.628	1394.787
7425_7426	7425	7426	-2211.88	24.485	0.174	-0.257	-2.113	-1661.43
7426_7426	7426	7426	2211.703	49.637	1.168	-0.037	2.094	1661.428
7426_7427	7426	7427	-2214.85	-42.394	-1.168	0.037	-12.437	-1254
7427_7427	7427	7427	2213.526	87.58	-0.719	0.76	12.916	1253.997
7427_7428	7427	7428	-2215.71	-82.815	0.719	-0.76	-8.919	-780.353
7428_7428	7428	7428	2190.077	-388.578	-3.49	-0.074	9.917	780.355
7428_7429	7428	7429	-2190.7	391.366	3.49	0.074	0.656	-1961.79
7429_7429	7429	7429	2192.364	394.925	-3.154	0.533	-0.759	1964.056
7429_7430	7429	7430	-2191.74	-392.146	3.154	-0.533	10.284	-775.657
7430_7430	7430	7430	2218.938	-77.851	2.979	-0.744	-8.765	775.657
7430_7431	7430	7431	-2216.75	82.615	-2.979	0.744	-7.796	-1221.7
7431_7431	7431	7431	2217.974	-37.503	-0.168	0.818	7.031	1221.706
7431_7432	7431	7432	-2214.83	44.745	0.168	-0.818	-5.543	-1585.77
7432_7432	7432	7432	2215.703	29.703	-0.227	0.253	5.891	1585.784
7432_7433	7432	7433	-2211	-17.732	0.227	-0.253	-2.613	-1243.85
7433_7433	7433	7433	2211.704	89.282	1.174	0.28	3.734	1243.866
7433_7434	7433	7434	-2209.56	-83.221	-1.174	-0.28	-12.194	-622.361
7434_7434	7434	7434	2206.972	135.537	0.009	0.327	12.087	622.363
7434_7435	7434	7435	-2204.97	-129.422	-0.009	-0.327	-12.149	332.93
7435_7435	7435	7435	2204.727	192.719	-13.223	0.45	15.329	-332.923
7435_7436	7435	7436	-2201.99	-183.369	13.223	-0.45	129.092	2386.696
7436_7436	7436	7436	2197.001	235.511	-16.413	-0.058	-128.092	-2386.75
7436_7437	7436	7437	-2196.2	-232.508	16.413	0.058	185.289	3202.221
7437_7437	7437	7437	2199.737	237.791	-30.774	-0.905	-191.399	-3202.15
7437_7072	7437	7072	-2198.81	-234.261	30.774	0.905	317.348	4168.134
7440_7094	7440	7094	2490.778	-213.564	25.882	0.324	-118.109	-2533.66
7440_7441	7440	7441	-2491.7	217.065	-25.882	-0.324	12.068	1651.496
7441_7441	7441	7441	2486.572	-211.114	1.976	-0.099	-13.222	-1651.5
7441_7442	7441	7442	-2487.37	214.093	-1.976	0.099	6.326	909.479
7442_7442	7442	7442	2491.826	-153.739	1.345	-0.18	-6.395	-909.479
7442_7443	7442	7443	-2494.54	162.995	-1.345	0.18	-8.283	-819.427
7443_7443	7443	7443	2494.708	-90.444	-0.442	0.183	7.583	819.422
7443_7444	7443	7444	-2496.69	96.5	0.442	-0.183	-4.399	-1493.42
7444_7444	7444	7444	2498.273	-37.32	0.253	-0.338	4.255	1493.415
7444_7445	7444	7445	-2500.39	43.323	-0.253	0.338	-6.076	-1783.95
7445_7445	7445	7445	2500.535	38.28	-0.828	-0.01	7.175	1783.946
7445_7446	7445	7446	-2505.19	-26.416	0.828	0.01	4.77	-1317.36
7446_7446	7446	7446	2503.642	112.779	3.46	-0.1	-4.41	1317.357
7446_7447	7446	7447	-2506.76	-105.61	-3.46	0.1	-26.21	-351.12
7447_7447	7447	7447	2504.128	156.062	-2.05	0.123	26.547	351.094
7447_7448	7447	7448	-2506.3	-151.34	2.05	-0.123	-15.152	503.397
7448_7448	7448	7448	2490.822	-381.374	-3.5	3.518	17.228	-503.393
7448_7449	7448	7449	-2491.44	384.132	3.5	-3.518	-6.644	-654.155
7449_7449	7449	7449	2490.914	381.799	5.227	-3.736	6.693	654.363
7449_7450	7449	7450	-2490.3	-379.04	-5.227	3.736	-22.504	496.248
7450_7450	7450	7450	2508.437	-153.759	-1.861	0.127	21.741	-496.228
7450_7451	7450	7451	-2506.27	158.48	1.861	-0.127	-11.396	-371.752
7451_7451	7451	7451	2508.95	-108.044	-0.98	-0.231	11.452	371.751
7451_7452	7451	7452	-2505.83	115.213	0.98	0.231	-2.776	-1359.52

7452_7452	7452	7452	2510.614	-28.938	0.074	-0.078	1.876	1359.528
7452_7453	7452	7453	-2505.96	40.801	-0.074	0.078	-2.941	-1862.46
7453_7453	7453	7453	2509.621	40.743	0.501	-0.125	2.731	1862.471
7453_7454	7453	7454	-2507.5	-34.74	-0.501	0.125	-6.343	-1590.57
7454_7454	7454	7454	2505.973	94.148	-0.105	0.115	6.211	1590.565
7454_7455	7454	7455	-2503.99	-88.093	0.105	-0.115	-5.453	-933.613
7455_7455	7455	7455	2507.024	161.187	-1.033	0.216	6.53	933.623
7455_7456	7455	7456	-2504.31	-151.924	1.033	-0.216	4.758	776.63
7456_7456	7456	7456	2500.103	210.076	-3.123	-0.338	-4.574	-776.631
7456_7457	7456	7457	-2499.31	-207.106	3.123	0.338	15.442	1502.447
7457_7457	7457	7457	2504.538	214.703	-19.881	-0.252	-14.191	-1502.43
7457_7110	7457	7110	-2503.62	-211.203	19.881	0.252	95.629	2374.725
7460_7132	7460	7132	2187.214	-313.49	-33.737	-0.987	285.219	-4139.28
7460_7461	7460	7461	-2188.13	317.722	33.737	0.987	-119.845	2592.198
7461_7461	7461	7461	2195.432	-215.321	-11.783	-0.118	117.252	-2592.23
7461_7462	7461	7462	-2196.23	218.299	11.783	0.118	-76.151	1835.969
7462_7462	7462	7462	2200.842	-165.541	-9.812	-0.264	76.619	-1835.95
7462_7463	7462	7463	-2203.56	174.801	9.812	0.264	30.532	-22.385
7463_7463	7463	7463	2233.154	-112.187	0.039	0.042	-26.571	22.358
7463_7464	7463	7464	-2235.13	118.24	-0.039	-0.042	26.287	-852.703
7464_7464	7464	7464	2237.306	-65.227	3.195	-0.55	-26.708	852.69
7464_7465	7464	7465	-2239.43	71.226	-3.195	0.55	3.7	-1344.04
7465_7465	7465	7465	2272.366	-5.855	0.208	-0.108	-1.946	1343.978
7465_7466	7465	7466	-2277.02	17.713	-0.208	0.108	-1.05	-1513.88
7466_7466	7466	7466	2317.287	44.394	-3.145	0.192	3.417	1513.796
7466_7467	7466	7467	-2320.41	-37.22	3.145	-0.192	24.427	-1152.48
7467_7467	7467	7467	2319.152	84.926	-0.971	-0.368	-24.906	1152.472
7467_7468	7467	7468	-2321.32	-80.206	0.971	0.368	30.301	-693.612
7468_7468	7468	7468	2338.392	-444.774	4.757	-5.198	-30.117	693.536
7468_7469	7468	7469	-2339.01	447.531	-4.757	5.198	15.738	-2042.25
7469_7469	7469	7469	2337.207	444.79	-6.131	5.014	-20.872	2038.571
7469_7470	7469	7470	-2336.59	-442.033	6.131	-5.014	39.405	-698.161
7470_7470	7470	7470	2321.277	-82.478	2.854	-0.376	-39.006	698.148
7470_7471	7470	7471	-2319.11	87.197	-2.854	0.376	23.146	-1169.63
7471_7471	7471	7471	2320.428	-38.443	3.303	-0.114	-23.051	1169.634
7471_7472	7471	7472	-2317.31	45.626	-3.303	0.114	-6.223	-1542.2
7472_7472	7472	7472	2280.642	15.539	-0.355	-0.118	3.378	1542.292
7472_7473	7472	7473	-2275.99	-3.69	0.355	0.118	1.735	-1403.76
7473_7473	7473	7473	2247.769	71.781	1.175	-0.565	-2.903	1403.729
7473_7474	7473	7474	-2245.65	-65.773	-1.175	0.565	-5.573	-907.764
7474_7474	7474	7474	2243.513	117.948	-1.974	0.602	5.134	907.766
7474_7475	7474	7475	-2241.53	-111.895	1.974	-0.602	9.093	-79.528
7475_7475	7475	7475	2219.445	174.875	4.3	0.23	-10.254	79.526
7475_7476	7475	7476	-2216.73	-165.615	-4.3	-0.23	-36.7	1779.642
7476_7476	7476	7476	2212.12	218.751	4.736	-0.291	36.599	-1779.64
7476_7477	7476	7477	-2211.33	-215.774	-4.736	0.291	-53.117	2537.491
7477_7477	7477	7477	2215.18	220.288	3.993	0.589	55.942	-2537.46
7477_7148	7477	7148	-2214.26	-216.789	-3.993	-0.589	-72.291	3432.328
7480_7168	7480	7168	2154.105	-239.326	-24.274	-0.457	97.932	-4485.74
7480_7481	7480	7481	-2155.03	242.825	24.274	0.457	1.467	3498.576
7481_7481	7481	7481	2152.248	-238.797	-3.969	-5.845	-1.858	-3498.52
7481_7482	7481	7482	-2153.04	241.774	3.969	5.845	15.702	2660.374
7482_7482	7482	7482	2158.227	-190.055	1.595	1.574	-13.776	-2660.39
7482_7483	7482	7483	-2160.94	199.315	-1.595	-1.574	-3.648	534.321
7483_7483	7483	7483	2200.218	-138.371	-0.653	-0.192	6.759	-534.357

7483_7484	7483	7484	-2202.2	144.424	0.653	0.192	-2.051	-484.706
7484_7484	7484	7484	2204.959	-93.198	-0.565	-0.259	2.039	484.706
7484_7485	7484	7485	-2207.08	99.206	0.565	0.259	2.038	-1178.44
7485_7485	7485	7485	2253.33	-34.253	-0.748	-0.091	2.298	1178.378
7485_7486	7485	7486	-2257.99	46.11	0.748	0.091	8.484	-1757.71
7486_7486	7486	7486	2314.932	14.655	-1.318	0.502	-3.422	1757.616
7486_7487	7486	7487	-2318.05	-7.48	1.318	-0.502	15.095	-1659.62
7487_7487	7487	7487	2317.407	55.143	0.841	-0.717	-15.784	1659.613
7487_7488	7487	7488	-2319.58	-50.424	-0.841	0.717	11.109	-1366.27
7488_7488	7488	7488	2348.873	-478.638	-0.623	3.874	-9.142	1366.309
7488_7489	7488	7489	-2349.49	481.395	0.623	-3.874	11.027	-2817.4
7489_7489	7489	7489	2351.463	481.851	-1.755	-3.639	24.94	2823.202
7489_7490	7489	7490	-2350.85	-479.094	1.755	3.639	-19.634	-1370.76
7490_7490	7490	7490	2321.072	-49.936	-0.437	-0.844	16.377	1370.761
7490_7491	7490	7491	-2318.9	54.655	0.437	0.844	-13.948	-1661.39
7491_7491	7491	7491	2319.539	-5.918	-2.611	0.418	13.252	1661.398
7491_7492	7491	7492	-2316.42	13.101	2.611	-0.418	9.889	-1745.68
7492_7492	7492	7492	2259.104	46.389	1.378	0.048	-13.33	1745.811
7492_7493	7492	7493	-2254.45	-34.54	-1.378	-0.048	-6.52	-1162.77
7493_7493	7493	7493	2208.009	100.305	-1.179	0.481	2.469	1162.745
7493_7494	7493	7494	-2205.89	-94.297	1.179	-0.481	6.035	-461.093
7494_7494	7494	7494	2203.1	145.55	1.745	-0.004	-5.818	461.096
7494_7495	7494	7495	-2201.12	-139.497	-1.745	0.004	-6.762	566.077
7495_7495	7495	7495	2162.384	200.4	-0.847	0.104	3.928	-566.074
7495_7496	7495	7496	-2159.67	-191.14	0.847	-0.104	5.323	2703.995
7496_7496	7496	7496	2154.464	242.9	-0.424	0.779	-5.465	-2703.99
7496_7497	7496	7497	-2153.67	-239.922	0.424	-0.779	6.944	3546.076
7497_7497	7497	7497	2155.85	243.694	21.219	0.52	-8.764	-3546.07
7497_7184	7497	7184	-2154.93	-240.195	-21.219	-0.52	-78.124	4536.769
7500_7204	7500	7204	2376.679	-247.384	19.008	0.372	-85.041	-4190.83
7500_7501	7500	7501	-2377.77	251.522	-19.008	-0.372	7.209	3169.376
7501_7501	7501	7501	2376.176	-245.949	0.986	0.243	-8.149	-3169.41
7501_7502	7501	7502	-2377.12	249.471	-0.986	-0.243	4.711	2305.356
7502_7502	7502	7502	2382.417	-192.367	0.518	-0.107	-4.84	-2305.36
7502_7503	7502	7503	-2385.63	203.319	-0.518	0.107	-0.815	144.798
7503_7503	7503	7503	2380.741	-134.425	1.25	-0.43	-0.911	-144.805
7503_7504	7503	7504	-2383.08	141.583	-1.25	0.43	-8.1	-849.797
7504_7504	7504	7504	2385.728	-86.148	-1.92	0.526	8.492	849.793
7504_7505	7504	7505	-2388.24	93.254	1.92	-0.526	5.357	-1496.64
7505_7505	7505	7505	2384.207	-15.411	0.85	0.088	-7.42	1496.649
7505_7506	7505	7506	-2389.71	29.435	-0.85	-0.088	-4.83	-1819.94
7506_7506	7506	7506	2385.288	50.907	-0.033	0.668	4.559	1819.919
7506_7507	7506	7507	-2388.98	-42.421	0.033	-0.668	-4.264	-1406.75
7507_7507	7507	7507	2387.599	91.535	2.206	-0.717	3.681	1406.748
7507_7508	7507	7508	-2390.14	-86	-2.206	0.717	-15.944	-913.424
7508_7508	7508	7508	2356.513	-420.429	-3.221	1.613	16.661	913.374
7508_7509	7508	7509	-2357.24	423.662	3.221	-1.613	-6.925	-2189.19
7509_7509	7509	7509	2357.303	424.098	4.089	-1.129	6.817	2188.94
7509_7510	7509	7510	-2356.58	-420.865	-4.089	1.129	-19.177	-911.781
7510_7510	7510	7510	2385.667	-85.094	0.091	-0.443	18.294	911.742
7510_7511	7510	7511	-2383.13	90.629	-0.091	0.443	-18.801	-1400.03
7511_7511	7511	7511	2384.484	-41.607	-2.144	0.473	18.222	1400.039
7511_7512	7511	7512	-2380.8	50.092	2.144	-0.473	0.762	-1806
7512_7512	7512	7512	2380.128	29.83	0.136	0.173	-0.224	1806.004
7512_7513	7512	7513	-2374.62	-15.806	-0.136	-0.173	-1.741	-1477.02

7513_7513	7513	7513	2374.495	93.129	0.439	0.322	2.567	1477.034
7513_7514	7513	7514	-2371.99	-86.023	-0.439	-0.322	-5.735	-831.082
7514_7514	7514	7514	2369.347	141.134	0.344	0.222	5.729	831.082
7514_7515	7514	7515	-2367.01	-133.975	-0.344	-0.222	-8.212	160.281
7515_7515	7515	7515	2367.793	201.734	-4.849	2.941	9.303	-160.251
7515_7516	7515	7516	-2364.59	-190.782	4.849	-2.941	43.649	2303.49
7516_7516	7516	7516	2359.281	247.464	-15.419	-6.631	-40.73	-2303.54
7516_7517	7516	7517	-2358.34	-243.942	15.419	6.631	94.514	3160.575
7517_7517	7517	7517	2359.213	249.849	-59.145	-3.363	-84.23	-3160.83
7517_7220	7517	7220	-2358.12	-245.711	59.145	3.363	326.428	4175.491
7520_7240	7520	7240	2222.12	49.866	113.358	29.32	-1029.12	-7311.98
7520_7521	7520	7521	-2223.43	-47.11	-113.358	-29.32	753.62	7429.827
7521_7521	7521	7521	2205.144	-353.89	61.325	-0.412	-744.829	-7403.2
7521_7522	7521	7522	-2206.27	358.119	-61.325	0.412	530.963	6161.663
7522_7522	7522	7522	2214.332	-305.197	56.965	-0.352	-534.525	-6161.36
7522_7523	7522	7523	-2218.19	318.353	-56.965	0.352	-87.586	2756.472
7523_7523	7523	7523	2236	-243.317	-2.232	1.981	78.901	-2754.48
7523_7524	7523	7524	-2238.81	251.918	2.232	-1.981	-62.811	969.608
7524_7524	7524	7524	2244.045	-199.921	-6.424	-1.347	62.18	-969.65
7524_7525	7524	7525	-2247.06	208.46	6.424	1.347	-15.846	-503.228
7525_7525	7525	7525	2236.814	-130.516	-2.621	0.119	11.996	502.923
7525_7526	7525	7526	-2243.43	147.359	2.621	-0.119	25.783	-2505.77
7526_7526	7526	7526	2231.96	-70.461	-1.073	-3.69	-27.081	2503.65
7526_7527	7526	7527	-2236.39	80.654	1.073	3.69	36.579	-3172.66
7527_7527	7527	7527	2237.566	-34.644	-6.956	5.464	-32.788	3172.698
7527_7528	7527	7528	-2240.6	41.24	6.956	-5.464	71.444	-3383.56
7528_7528	7528	7528	2168.804	-513.389	3.092	-10.402	-69.547	3381.845
7528_7529	7528	7529	-2169.67	517.246	-3.092	10.402	60.193	-4940.81
7529_7529	7529	7529	2166.677	502.784	-1.926	9.3	-59.963	4936.239
7529_7530	7529	7530	-2165.82	-498.94	1.926	-9.3	65.769	-3425.88
7530_7530	7530	7530	2207.698	32.851	13.465	-7.225	-62.965	3425.599
7530_7531	7530	7531	-2204.67	-26.253	-13.465	7.225	-11.875	-3261.34
7531_7531	7531	7531	2203.678	72.058	6.101	3.585	6.92	3261.36
7531_7532	7531	7532	-2199.25	-61.857	-6.101	-3.585	-60.974	-2668.11
7532_7532	7532	7532	2187.862	131.676	-2.526	-0.018	59.111	2666.844
7532_7533	7532	7533	-2181.25	-114.839	2.526	0.018	-22.708	-890.539
7533_7533	7533	7533	2168.366	183.98	-1.141	1.414	22.656	890.449
7533_7534	7533	7534	-2165.35	-175.439	1.141	-1.414	-14.42	406.14
7534_7534	7534	7534	2160.765	224.936	-5.749	0.187	14.742	-406.131
7534_7535	7534	7535	-2157.95	-216.343	5.749	-0.187	26.67	1995.405
7535_7535	7535	7535	2143.315	278.211	27.471	6.582	-23.581	-1993.89
7535_7536	7535	7536	-2139.46	-265.048	-27.471	-6.582	-276.59	4961.971
7536_7536	7536	7536	2132.628	315.798	21.685	-14.008	280.412	-4961.74
7536_7537	7536	7537	-2131.5	-311.568	-21.685	14.008	-356.037	6055.685
7537_7537	7537	7537	2141.917	313.698	-43.376	-113.43	366.293	-6071.61
7537_7253	7537	7253	-2140.61	-308.735	43.376	113.43	-188.954	7343.985
7540_7275	7540	7275	3374.154	-310.544	-8.283	52.51	-666.284	-4136.26
7540_7541	7540	7541	-3375.56	315.889	8.283	-52.51	700.178	2854.594
7541_7541	7541	7541	3351.637	-319.38	48.83	-6.563	-690.681	-2880.02
7541_7542	7541	7542	-3352.85	323.944	-48.83	6.563	519.959	1755.405
7542_7542	7542	7542	3359.943	-240.778	41.845	2.59	-521.055	-1755.09
7542_7543	7542	7543	-3364.09	254.927	-41.845	-2.59	64.325	-950.152
7543_7543	7543	7543	3383.808	-155.233	6.462	-5.06	-69.905	944.399
7543_7544	7543	7544	-3386.83	164.492	-6.462	5.06	23.311	-2097.14
7544_7544	7544	7544	3389.775	-84.619	-2.985	1.387	-21.342	2097.17

7544_7545	7544	7545	-3393.02	93.8	2.985	-1.387	42.855	-2740.2
7545_7545	7545	7545	3379.092	14.221	0.876	-1.963	-46.154	2735.084
7545_7546	7545	7546	-3386.21	3.903	-0.876	1.963	33.521	-2660.72
7546_7546	7546	7546	3368.763	105.271	12.283	-2.769	-35.337	2657.359
7546_7547	7546	7547	-3373.53	-94.296	-12.283	2.769	-73.462	-1773.49
7547_7547	7547	7547	3370.826	165.187	1.627	1.171	75.908	1773.391
7547_7548	7547	7548	-3374.08	-158.112	-1.627	-1.171	-84.944	-875.561
7548_7548	7548	7548	3331.341	-556.57	-1.188	3.921	85.867	870.276
7548_7549	7548	7549	-3332.27	560.705	1.188	-3.921	-82.276	-2558.91
7549_7549	7549	7549	3353.372	589.777	-5.618	-5.803	82.949	2567.127
7549_7550	7549	7550	-3352.42	-585.711	5.618	5.803	-66.212	-816.034
7550_7550	7550	7550	3380.652	-154.264	8.895	-2.105	64.551	812.268
7550_7551	7550	7551	-3377.22	161.413	-8.895	2.105	-114.874	-1705.21
7551_7551	7551	7551	3380.084	-82.235	0.822	-0.768	112.972	1705.337
7551_7552	7551	7552	-3375.4	92.607	-0.822	0.768	-119.901	-2441.93
7552_7552	7552	7552	3365.821	37.551	-0.232	-1.444	117.567	2441.24
7552_7553	7552	7553	-3358.69	-19.92	0.232	1.444	-114.303	-2036.66
7553_7553	7553	7553	3343.859	145.505	4.748	0.939	113.393	2036.854
7553_7554	7553	7554	-3340.63	-136.553	-4.748	-0.939	-146.843	-1043.36
7554_7554	7554	7554	3336.116	220.928	0.167	-1.307	146.333	1043.436
7554_7555	7554	7555	-3333.12	-211.905	-0.167	1.307	-147.507	479.912
7555_7555	7555	7555	3331.054	325.55	-33.231	2.201	153.495	-476.651
7555_7556	7555	7556	-3327.02	-311.739	33.231	-2.201	200.479	3870.795
7556_7556	7556	7556	3316.98	404.666	-34.669	6.073	-199.884	-3870.82
7556_7557	7556	7557	-3315.81	-400.186	34.669	-6.073	318.75	5250.562
7557_7557	7557	7557	3439.99	96.054	-328.982	-36.655	-305.685	-5250.61
7557_7288	7557	7288	-3438.13	-90.729	328.982	36.655	1679.712	5640.666
8000_8000	8000	8000	7.387	10.559	-0.08	0.027	0	-8.693
8000_8001	8000	8001	-18.309	4.643	0.08	-0.027	0.75	48.085
8001_8001	8001	8001	18.309	-4.643	-0.08	0.053	-0.75	-48.085
8001_8002	8001	8002	-28.927	19.422	0.08	-0.053	1.48	-50.698
8002_8002	8002	8002	28.929	20.187	0.084	0.001	-1.48	50.621
8002_8003	8002	8003	-26.405	-0.63	-0.084	-0.001	0.466	72.965
8003_8003	8003	8003	26.402	0.63	0.084	0.067	-0.466	-72.966
8003_8004	8003	8004	-23.879	18.912	-0.084	-0.067	-0.547	-39.919
8004_8004	8004	8004	23.878	20.155	-0.021	0.02	0.547	40.107
8004_8005	8004	8005	-23.34	-0.594	0.021	-0.02	-0.294	85.049
8005_8005	8005	8005	23.339	0.594	-0.021	0.028	0.294	-85.049
8005_8006	8005	8006	-22.801	18.951	0.021	-0.028	-0.041	-26.369
8006_8006	8006	8006	22.804	19.779	0.008	0.006	0.041	26.285
8006_8007	8006	8007	-22.428	-0.217	-0.008	-0.006	-0.141	94.425
8007_8007	8007	8007	22.428	0.217	0.008	0.015	0.141	-94.425
8007_8008	8007	8008	-22.053	19.328	-0.008	-0.015	-0.241	-21.435
8008_8008	8008	8008	22.054	19.43	-0.003	-0.002	0.241	21.436
8008_8009	8008	8009	-22.047	0.119	0.003	0.002	-0.206	95.296
8009_8009	8009	8009	22.047	-0.119	-0.003	-0.002	0.206	-95.296
8009_8010	8009	8010	-22.04	19.668	0.003	0.002	-0.17	-24.434
8010_8010	8010	8010	22.029	19.224	0.001	-0.017	0.17	24.642
8010_8011	8010	8011	-22.485	0.341	-0.001	0.017	-0.183	89.99
8011_8011	8011	8011	22.485	-0.341	0.001	-0.008	0.183	-89.99
8011_8012	8011	8012	-22.94	19.89	-0.001	0.008	-0.196	-32.03
8012_8012	8012	8012	22.936	18.701	0.009	-0.021	0.196	32.029
8012_8013	8012	8013	-22.085	0.852	-0.009	0.021	-0.299	74.777
8013_8013	8013	8013	22.085	-0.852	0.009	-0.021	0.299	-74.777
8013_8014	8013	8014	-21.234	20.405	-0.009	0.021	-0.402	-54.978

8014_8014	8014	8014	21.237	18.426	-0.009	-0.028	0.402	54.916
8014_8015	8014	8015	-38.718	6.941	0.009	0.028	-0.255	53.494
8015_8015	8015	8015	38.655	-6.943	-0.009	-0.02	0.257	-53.396
8015_8016	8015	8016	-47.841	20.278	0.009	0.02	-0.179	-49.301
8016_8016	8016	8016	17.518	19.733	-0.018	-0.021	0.351	99.22
8016_8017	8016	8017	-21.819	-1.019	0.018	0.021	-0.135	27.241
8017_8017	8017	8017	21.818	1.019	-0.018	-0.028	0.135	-27.241
8017_8018	8017	8018	-26.667	20.085	0.018	0.028	0.107	-93.922
8018_8018	8018	8018	26.671	19.403	0.082	-0.018	-0.107	94.04
8018_8019	8018	8019	-25.448	0.514	-0.082	0.018	-0.921	22.866
8019_8019	8019	8019	25.448	-0.514	0.082	-0.015	0.921	-22.866
8019_8020	8019	8020	-24.226	20.416	-0.082	0.015	-1.947	-109.082
8020_8020	8020	8020	24.193	21.139	-0.057	-0.021	1.947	109.121
8020_8021	8020	8021	-24.017	-6.009	0.057	0.021	-1.409	19.756
8021_8021	8021	8021	24	6.009	-0.057	-0.015	1.408	-19.733
8021_8022	8021	8022	-23.856	6.348	0.057	0.015	-0.968	18.377
8022_8022	8022	8022	23.856	-6.348	-0.057	-0.012	0.968	-18.377
8022_8023	8022	8023	-23.713	18.689	0.057	0.012	-0.527	-78.658
8023_8023	8023	8023	23.715	19.364	-0.088	0	0.527	78.627
8023_8024	8023	8024	-23.291	-6.621	0.088	0	0.18	24.985
8024_8024	8024	8024	23.29	6.621	-0.088	-0.03	-0.18	-24.985
8024_8025	8024	8025	-22.866	6.119	0.088	0.03	0.882	26.67
8025_8025	8025	8025	22.867	-6.119	-0.088	0.002	-0.882	-26.67
8025_8026	8025	8026	-22.443	18.862	0.088	-0.002	1.59	-73.574
8026_8026	8026	8026	22.442	18.97	-0.017	-0.021	-1.59	73.574
8026_8027	8026	8027	-22.522	-9.406	0.017	0.021	1.689	11.671
8027_8027	8027	8027	22.522	9.406	-0.016	-0.038	-1.689	-11.671
8027_8028	8027	8028	-22.603	0.141	0.016	0.038	1.783	39.493
8028_8028	8028	8028	22.603	-0.141	-0.017	0.02	-1.783	-39.493
8028_8029	8028	8029	-22.683	9.705	0.017	-0.02	1.883	9.995
8029_8029	8029	8029	22.683	-9.705	-0.016	0.004	-1.883	-9.995
8029_8030	8029	8030	-22.764	19.267	0.016	-0.004	1.976	-76.906
8030_8030	8030	8030	22.765	18.457	0.052	-0.002	-1.976	76.868
8030_8031	8030	8031	-23.313	-5.722	-0.052	0.002	1.563	20.184
8031_8031	8031	8031	23.313	5.722	0.052	-0.004	-1.563	-20.184
8031_8032	8031	8032	-23.862	7.03	-0.052	0.004	1.15	15.342
8032_8032	8032	8032	23.862	-7.03	0.052	-0.022	-1.15	-15.342
8032_8033	8032	8033	-24.411	19.763	-0.052	0.022	0.731	-91.361
8033_8033	8033	8033	24.409	18.684	0.063	0	-0.731	91.377
8033_8034	8033	8034	-24.597	-6.339	-0.063	0	0.24	5.7
8034_8034	8034	8034	24.597	6.339	0.064	-0.007	-0.24	-5.7
8034_8035	8034	8035	-24.785	6.005	-0.064	0.007	-0.257	7.102
8035_8035	8035	8035	24.785	-6.005	0.064	-0.004	0.257	-7.102
8035_8036	8035	8036	-25.015	21.135	-0.064	0.004	-0.864	-121.662
8036_8036	8036	8036	25.016	20.963	-0.038	-0.003	0.864	121.711
8036_8037	8036	8037	-26.09	-1.047	0.038	0.003	-0.383	16.812
8037_8037	8037	8037	26.09	1.047	-0.039	-0.002	0.383	-16.812
8037_8038	8037	8038	-27.162	18.854	0.039	0.002	0.098	-93.508
8038_8038	8038	8038	27.169	14.691	-0.148	0	-0.098	93.638
8038_8039	8038	8039	-18.73	6.416	0.148	0	2.056	-47.776
8039_8039	8039	8039	56.72	-3.698	0.027	0.013	-0.041	-12.638
8039_8040	8039	8040	-103.668	22.069	-0.027	-0.013	-0.274	-87.899
8040_8040	8040	8040	103.677	18.71	-0.012	-0.002	0.274	88.021
8040_8041	8040	8041	-104.599	-5.82	0.012	0.002	-0.177	14.96
8041_8041	8041	8041	104.598	5.82	-0.012	0.017	0.177	-14.96

8041_8042	8041	8042	-106.305	18.047	0.012	-0.017	0.003	-75.027
8042_8042	8042	8042	106.302	20.114	0.01	0.012	-0.003	75.217
8042_8043	8042	8043	-97.651	-1.533	-0.01	-0.012	-0.113	44.328
8043_8043	8043	8043	97.651	1.533	0.01	0.007	0.113	-44.328
8043_8044	8043	8044	-88.992	17.064	-0.01	-0.007	-0.228	-57.218
8044_8044	8044	8044	89.012	19.409	-0.002	-0.025	0.228	56.894
8044_8045	8044	8045	-82.352	-0.827	0.002	0.025	-0.202	56.282
8045_8045	8045	8045	82.352	0.827	-0.002	0.036	0.202	-56.282
8045_8046	8045	8046	-75.691	17.755	0.002	-0.036	-0.175	-51.473
8046_8046	8046	8046	75.704	18.965	-0.001	-0.027	0.175	51.243
8046_8047	8046	8047	-69.872	-0.392	0.001	0.027	-0.167	57.353
8047_8047	8047	8047	69.872	0.392	-0.001	0.026	0.167	-57.353
8047_8048	8047	8048	-64.035	18.198	0.001	-0.026	-0.16	-54.971
8048_8048	8048	8048	64.04	18.598	0.008	-0.026	0.16	54.845
8048_8049	8048	8049	-57.571	-0.025	-0.008	0.026	-0.259	48.437
8049_8049	8049	8049	57.572	0.025	0.008	0.016	0.259	-48.436
8049_8050	8049	8050	-51.097	18.565	-0.008	-0.016	-0.358	-69.207
8050_8050	8050	8050	51.103	17.609	-0.015	-0.008	0.358	68.981
8050_8051	8050	8051	-50.684	6.257	0.015	0.008	-0.133	17.232
8051_8051	8051	8051	50.63	-6.257	-0.015	-0.007	0.134	-17.149
8051_8052	8051	8052	-50.405	19.146	0.015	0.007	-0.013	-87.854
8052_8052	8052	8052	50.403	19.571	-0.018	-0.007	0.013	87.928
8052_8053	8052	8053	-28.245	-1.194	0.018	0.007	0.2	7.773
8053_8053	8053	8053	27.775	2.238	-0.044	-0.003	-0.071	-7.808
8053_8054	8053	8054	-30.476	17.823	0.044	0.003	0.649	-92.784
8054_8054	8054	8054	30.47	18.351	0.095	0.007	-0.649	92.928
8054_8055	8054	8055	-31.087	0.592	-0.095	-0.007	-0.54	19.098
8055_8055	8055	8055	31.086	-0.592	0.095	-0.005	0.54	-19.098
8055_8056	8055	8056	-31.702	19.52	-0.095	0.005	-1.728	-105.595
8056_8056	8056	8056	31.708	20.104	-0.086	0.008	1.728	105.566
8056_8057	8056	8057	-31.099	-5.718	0.086	-0.008	-0.913	16.483
8057_8057	8057	8057	31.08	5.718	-0.086	-0.003	0.912	-16.461
8057_8058	8057	8058	-30.583	6.024	0.086	0.003	-0.248	14.798
8058_8058	8058	8058	30.583	-6.024	-0.086	-0.003	0.248	-14.798
8058_8059	8058	8059	-30.085	17.767	0.086	0.003	0.416	-77.898
8059_8059	8059	8059	30.085	18.767	-0.067	0.006	-0.416	77.887
8059_8060	8059	8060	-28.64	-6.649	0.067	-0.006	0.95	22.325
8060_8060	8060	8060	28.64	6.649	-0.067	0.006	-0.95	-22.325
8060_8061	8060	8061	-27.196	5.469	0.067	-0.006	1.484	25.591
8061_8061	8061	8061	27.196	-5.469	-0.067	0.006	-1.484	-25.591
8061_8062	8061	8062	-25.752	17.587	0.067	-0.006	2.018	-68.09
8062_8062	8062	8062	25.754	18.303	0.001	0.034	-2.018	67.845
8062_8063	8062	8063	-25.17	-9.222	-0.001	-0.034	2.012	14.002
8063_8063	8063	8063	25.17	9.222	0.001	0.034	-2.012	-14.002
8063_8064	8063	8064	-24.586	-0.141	-0.001	-0.034	2.006	41.404
8064_8064	8064	8064	24.586	0.141	0.001	-0.032	-2.006	-41.405
8064_8065	8064	8065	-24.001	8.954	-0.001	0.032	1.999	14.277
8065_8065	8065	8065	24.002	-8.954	0.001	-0.015	-1.999	-14.277
8065_8066	8065	8066	-23.418	18.035	-0.001	0.015	1.993	-67.296
8066_8066	8066	8066	23.417	18.06	0.088	-0.005	-1.993	67.464
8066_8067	8066	8067	-22.547	-5.931	-0.088	0.005	1.291	27.44
8067_8067	8067	8067	22.547	5.931	0.088	-0.003	-1.291	-27.44
8067_8068	8067	8068	-21.678	6.183	-0.088	0.003	0.589	25.284
8068_8068	8068	8068	21.678	-6.183	0.088	0.021	-0.589	-25.284
8068_8069	8068	8069	-20.809	18.297	-0.088	-0.021	-0.112	-73.765

8069_8069	8069	8069	20.806	17.54	0.062	0.001	0.112	73.822
8069_8070	8069	8070	-21.623	-5.806	-0.062	-0.001	-0.589	17.457
8070_8070	8070	8070	21.623	5.806	0.062	0	0.589	-17.457
8070_8071	8070	8071	-22.442	5.943	-0.062	0	-1.066	17.779
8071_8071	8071	8071	22.421	-5.943	0.061	0.021	1.069	-17.757
8071_8072	8071	8072	-23.423	20.334	-0.061	-0.021	-1.652	-106.039
8072_8072	8072	8072	23.447	20.304	-0.04	0	1.652	105.979
8072_8073	8072	8073	-22.178	-1.381	0.04	0	-1.149	27.756
8073_8073	8073	8073	22.177	1.381	-0.04	0.017	1.149	-27.756
8073_8074	8073	8074	-20.907	17.558	0.04	-0.017	-0.644	-75.102
8074_8074	8074	8074	20.908	14.584	-0.214	0.009	0.644	75.158
8074_8075	8074	8075	-2.589	5.478	0.214	-0.009	2.196	-34.625
8075_8075	8075	8075	45.709	-2.885	0.024	0.02	0.256	-34.494
8075_8076	8075	8076	-88.262	20.295	-0.024	-0.02	-0.543	-52.727
8076_8076	8076	8076	88.276	17.314	-0.022	0.035	0.543	52.749
8076_8077	8076	8077	-85.123	-5.087	0.022	-0.035	-0.359	36.618
8077_8077	8077	8077	85.048	5.088	-0.022	0.004	0.362	-36.491
8077_8078	8077	8078	-79.76	15.419	0.022	-0.004	-0.053	-40.173
8078_8078	8078	8078	79.755	17.557	0.006	-0.02	0.053	40.241
8078_8079	8078	8079	-75.526	-0.997	-0.006	0.02	-0.124	58.727
8079_8079	8079	8079	75.525	0.997	0.006	0.044	0.124	-58.728
8079_8080	8079	8080	-71.296	15.563	-0.006	-0.044	-0.194	-27.412
8080_8080	8080	8080	71.301	16.702	-0.002	0.009	0.194	27.413
8080_8081	8080	8081	-68.56	-0.147	0.002	-0.009	-0.175	63.644
8081_8081	8081	8081	68.56	0.147	-0.002	0.006	0.175	-63.644
8081_8082	8081	8082	-65.817	16.423	0.002	-0.006	-0.155	-30.475
8082_8082	8082	8082	65.827	17.954	0	0.003	0.155	30.305
8082_8083	8082	8083	-62.838	-0.168	0	-0.003	-0.154	74.922
8083_8083	8083	8083	62.838	0.168	0	0	0.154	-74.922
8083_8084	8083	8084	-59.847	17.634	0	0	-0.153	-33.575
8084_8084	8084	8084	59.844	16.66	-0.004	-0.003	0.153	33.586
8084_8085	8084	8085	-57.653	-0.108	0.004	0.003	-0.108	57.291
8085_8085	8085	8085	57.653	0.108	-0.004	-0.005	0.108	-57.291
8085_8086	8085	8086	-55.46	16.459	0.004	0.005	-0.064	-36.926
8086_8086	8086	8086	55.47	16.204	0.009	-0.01	0.064	36.769
8086_8087	8086	8087	-52.827	0.362	-0.009	0.01	-0.164	48.338
8087_8087	8087	8087	52.827	-0.362	0.009	-0.007	0.164	-48.338
8087_8088	8087	8088	-50.187	16.914	-0.009	0.007	-0.264	-51.641
8088_8088	8088	8088	50.181	14.51	-0.02	-0.011	0.264	51.64
8088_8089	8088	8089	-54.059	5.226	0.02	0.011	-0.002	14.218
8089_8089	8089	8089	54.006	-5.226	-0.02	-0.016	0.002	-14.143
8089_8090	8089	8090	-56.407	17.445	0.02	0.016	0.16	-76.862
8090_8090	8090	8090	56.404	17.901	-0.003	-0.011	-0.16	76.889
8090_8091	8090	8091	-37.161	-0.493	0.003	0.011	0.192	7.512
8091_8091	8091	8091	37.12	1.402	-0.011	-0.01	-0.209	-7.843
8091_8092	8091	8092	-41.75	17.936	0.011	0.01	0.355	-97.027
8092_8092	8092	8092	41.74	17.948	0.037	-0.005	-0.355	96.878
8092_8093	8092	8093	-41.551	0.291	-0.037	0.005	-0.103	13.608
8093_8093	8093	8093	41.551	-0.291	0.037	-0.005	0.103	-13.608
8093_8094	8093	8094	-41.362	18.53	-0.037	0.005	-0.561	-103.875
8094_8094	8094	8094	41.37	19.262	-0.046	-0.004	0.561	103.833
8094_8095	8094	8095	-40.984	-5.404	0.046	0.004	-0.123	12.941
8095_8095	8095	8095	40.917	5.404	-0.046	-0.011	0.12	-12.854
8095_8096	8095	8096	-40.602	5.914	0.046	0.011	0.236	10.593
8096_8096	8096	8096	40.602	-5.914	-0.046	0.002	-0.236	-10.592

8096_8097	8096	8097	-40.287	17.217	0.046	-0.002	0.591	-79.273
8097_8097	8097	8097	40.287	17.974	0.022	-0.006	-0.591	79.267
8097_8098	8097	8098	-39.339	-6.293	-0.022	0.006	0.416	16.886
8098_8098	8098	8098	39.34	6.293	0.022	0.014	-0.416	-16.886
8098_8099	8098	8099	-38.393	5.373	-0.022	-0.014	0.242	19.599
8099_8099	8099	8099	38.393	-5.373	0.022	-0.009	-0.242	-19.6
8099_8100	8099	8100	-37.446	17.053	-0.022	0.009	0.068	-71.119
8100_8100	8100	8100	37.446	17.549	0	0.001	-0.068	71.141
8100_8101	8100	8101	-37.124	-8.803	0	-0.001	0.071	7.431
8101_8101	8101	8101	37.124	8.803	0	0.001	-0.071	-7.431
8101_8102	8101	8102	-36.801	-0.043	0	-0.001	0.074	33.586
8102_8102	8102	8102	36.801	0.043	0	0.001	-0.074	-33.586
8102_8103	8102	8103	-36.479	8.718	0	-0.001	0.077	7.149
8103_8103	8103	8103	36.479	-8.718	0	-0.006	-0.077	-7.149
8103_8104	8103	8104	-36.156	17.478	0	0.006	0.08	-71.874
8104_8104	8104	8104	36.15	17.225	-0.022	0.012	-0.08	71.71
8104_8105	8104	8105	-35.847	-5.56	0.022	-0.012	0.256	18.788
8105_8105	8105	8105	35.847	5.56	-0.022	-0.008	-0.256	-18.788
8105_8106	8105	8106	-35.543	6.119	0.022	0.008	0.432	15.982
8106_8106	8106	8106	35.543	-6.119	-0.022	-0.008	-0.432	-15.982
8106_8107	8106	8107	-35.239	17.783	0.022	0.008	0.608	-80.115
8107_8107	8107	8107	35.238	17.033	0.038	0.005	-0.608	80.144
8107_8108	8107	8108	-35.627	-5.719	-0.038	-0.005	0.314	8.449
8108_8108	8108	8108	35.627	5.719	0.038	0.005	-0.314	-8.449
8108_8109	8108	8109	-36.016	5.595	-0.038	-0.005	0.02	9.317
8109_8109	8109	8109	36.039	-5.595	0.038	-0.003	-0.021	-9.346
8109_8110	8109	8110	-36.516	19.45	-0.038	0.003	-0.34	-109.063
8110_8110	8110	8110	36.512	19.256	-0.008	0.01	0.34	109.12
8110_8111	8110	8111	-36.604	-1.01	0.008	-0.01	-0.236	17.208
8111_8111	8111	8111	36.605	1.01	-0.008	-0.002	0.236	-17.207
8111_8112	8111	8112	-36.698	17.236	0.008	0.002	-0.133	-84.612
8112_8112	8112	8112	36.698	13.898	-0.109	0.01	0.133	84.64
8112_8113	8112	8113	-21.705	5.428	0.109	-0.01	1.316	-45.251
8113_8113	8113	8113	60.841	-3.168	0.014	0.009	0.166	-17.973
8113_8114	8113	8114	-101.625	20.28	-0.014	-0.009	-0.33	-72.265
8114_8114	8114	8114	101.639	16.795	-0.012	-0.038	0.33	72.281
8114_8115	8114	8115	-102.363	-4.781	0.012	0.038	-0.228	18.225
8115_8115	8115	8115	102.36	4.781	-0.012	0.042	0.228	-18.226
8115_8116	8115	8116	-103.574	15.374	0.012	-0.042	-0.056	-52.587
8116_8116	8116	8116	103.573	17.795	0.006	0.04	0.056	52.606
8116_8117	8116	8117	-96.785	-1.528	-0.006	-0.04	-0.119	47.887
8117_8117	8117	8117	96.786	1.528	0.006	-0.021	0.119	-47.887
8117_8118	8117	8118	-89.992	14.752	-0.006	0.021	-0.182	-33.5
8118_8118	8118	8118	89.995	16.795	-0.005	0.038	0.182	33.501
8118_8119	8118	8119	-85.63	-0.516	0.005	-0.038	-0.124	58.53
8119_8119	8119	8119	85.63	0.516	-0.005	-0.026	0.124	-58.53
8119_8120	8119	8120	-81.269	15.749	0.005	0.026	-0.065	-31.302
8120_8120	8120	8120	81.248	18.009	-0.001	0.036	0.065	31.548
8120_8121	8120	8121	-76.406	-0.521	0.001	-0.036	-0.056	74.24
8121_8121	8121	8121	76.406	0.521	-0.001	-0.035	0.056	-74.24
8121_8122	8121	8122	-71.564	16.967	0.001	0.035	-0.047	-30.025
8122_8122	8122	8122	71.563	16.662	-0.004	0.025	0.047	30.025
8122_8123	8122	8123	-67.806	-0.383	0.004	-0.025	-0.004	60.842
8123_8123	8123	8123	67.805	0.383	-0.004	-0.035	0.004	-60.843
8123_8124	8123	8124	-64.048	15.895	0.004	0.035	0.04	-30.295

8124_8124	8124	8124	64.048	16.142	0.001	-0.008	-0.04	30.303
8124_8125	8124	8125	-59.766	0.122	-0.001	0.008	0.028	53.874
8125_8125	8125	8125	59.766	-0.122	0.001	-0.009	-0.028	-53.874
8125_8126	8125	8126	-55.48	16.401	-0.001	0.009	0.017	-43.796
8126_8126	8126	8126	55.455	14.398	-0.007	-0.018	-0.017	43.974
8126_8127	8126	8127	-58.054	5.199	0.007	0.018	0.112	20.648
8127_8127	8127	8127	58.055	-5.199	-0.007	0.002	-0.112	-20.647
8127_8128	8127	8128	-59.648	17.211	0.007	-0.002	0.17	-70.136
8128_8128	8128	8128	59.64	17.795	-0.028	-0.003	-0.17	69.967
8128_8129	8128	8129	-39.462	-0.687	0.028	0.003	0.501	13.387
8129_8129	8129	8129	39.439	1.592	-0.072	-0.011	-0.581	-13.575
8129_8130	8129	8130	-44.392	17.706	0.072	0.011	1.541	-88.188
8130_8130	8130	8130	44.389	17.094	0.089	-0.003	-1.541	88.07
8130_8131	8130	8131	-45.069	1.112	-0.089	0.003	0.431	12.934
8131_8131	8131	8131	45.069	-1.112	0.089	-0.003	-0.431	-12.934
8131_8132	8131	8132	-45.749	19.318	-0.089	0.003	-0.679	-113.635
8132_8132	8132	8132	43.857	18.318	-0.011	-0.017	0.679	81.274
8132_8133	8132	8133	-43.046	-4.481	0.011	0.017	-0.579	26.216
8133_8133	8133	8133	43.045	4.481	-0.014	0.02	0.579	-26.215
8133_8134	8133	8134	-42.384	6.806	0.014	-0.02	-0.469	16.549
8134_8134	8134	8134	42.385	-6.806	-0.011	0.001	0.469	-16.549
8134_8135	8134	8135	-41.723	18.094	0.011	-0.001	-0.383	-80.598
8135_8135	8135	8135	41.74	18.309	0.046	-0.009	0.383	80.774
8135_8136	8135	8136	-40.688	-6.657	-0.046	0.009	-0.749	17.965
8136_8136	8136	8136	40.688	6.657	0.046	-0.009	0.749	-17.965
8136_8137	8136	8137	-39.635	4.995	-0.046	0.009	-1.114	23.488
8137_8137	8137	8137	39.636	-4.995	0.043	0.016	1.114	-23.488
8137_8138	8137	8138	-38.584	16.646	-0.043	-0.016	-1.457	-64.203
8138_8138	8138	8138	38.583	17.452	-0.05	-0.02	1.457	64.203
8138_8139	8138	8139	-38.122	-8.713	0.05	0.02	-1.159	13.715
8139_8139	8139	8139	38.121	8.713	-0.046	-0.036	1.159	-13.715
8139_8140	8139	8140	-37.66	0.026	0.046	0.036	-0.884	39.2
8140_8140	8140	8140	37.66	-0.026	-0.05	0.022	0.884	-39.2
8140_8141	8140	8141	-37.198	8.765	0.05	-0.022	-0.586	12.251
8141_8141	8141	8141	37.198	-8.765	-0.05	0.022	0.586	-12.251
8141_8142	8141	8142	-36.737	17.504	0.05	-0.022	-0.289	-67.131
8142_8142	8142	8142	36.736	17.167	-0.036	-0.014	0.289	67.13
8142_8143	8142	8143	-36.349	-5.515	0.036	0.014	-0.004	22.803
8143_8143	8143	8143	36.349	5.515	-0.038	0.009	0.004	-22.803
8143_8144	8143	8144	-35.961	6.137	0.038	-0.009	0.303	19.521
8144_8144	8144	8144	35.961	-6.137	-0.036	-0.009	-0.303	-19.521
8144_8145	8144	8145	-35.574	17.789	0.036	0.009	0.587	-76.975
8145_8145	8145	8145	35.574	16.877	0.004	-0.005	-0.587	76.975
8145_8146	8145	8146	-36.565	-5.589	-0.004	0.005	0.557	11.12
8146_8146	8146	8146	36.566	5.589	0.001	0.002	-0.557	-11.12
8146_8147	8146	8147	-37.556	5.699	-0.001	-0.002	0.55	11.735
8147_8147	8147	8147	37.636	-5.699	0.003	-0.003	-0.551	-11.83
8147_8148	8147	8148	-38.851	19.535	-0.003	0.003	0.525	-106.753
8148_8148	8148	8148	38.849	19.527	0.017	-0.006	-0.525	106.752
8148_8149	8148	8149	-38.122	-1.321	-0.017	0.006	0.313	22.312
8149_8149	8149	8149	38.121	1.321	0.015	0.008	-0.313	-22.312
8149_8150	8149	8150	-37.394	16.885	-0.015	-0.008	0.125	-76.199
8150_8150	8150	8150	37.395	13.104	-0.037	0.012	-0.125	76.199
8150_8151	8150	8151	-18.376	6.194	0.037	-0.012	0.618	-52.177
8151_8151	8151	8151	66.904	-3.467	0.001	0.002	-0.128	-26.56

8151_8152	8151	8152	-113.283	21.317	-0.001	-0.002	0.113	-66.177
8152_8152	8152	8152	113.282	17.197	0.001	0.031	-0.113	66.177
8152_8153	8152	8153	-114.39	-4.663	-0.001	-0.031	0.105	25.917
8153_8153	8153	8153	114.582	4.664	0.002	-0.003	-0.106	-26.255
8153_8154	8153	8154	-116.438	16.225	-0.002	0.003	0.077	-50.021
8154_8154	8154	8154	116.438	18.369	0.003	-0.025	-0.077	50.021
8154_8155	8154	8155	-108.658	-1.659	-0.003	0.025	0.044	51.759
8155_8155	8155	8155	108.658	1.659	0.002	0.039	-0.044	-51.759
8155_8156	8155	8156	-100.878	15.052	-0.002	-0.039	0.026	-30.282
8156_8156	8156	8156	100.879	16.275	0.002	0.002	-0.026	30.282
8156_8157	8156	8157	-96.197	-1.084	-0.002	-0.002	0.009	51.469
8157_8157	8157	8157	96.197	1.084	0.002	0.002	-0.009	-51.469
8157_8158	8157	8158	-91.516	14.108	-0.002	-0.002	-0.008	-18.699
8158_8158	8158	8158	91.516	15.075	0.002	-0.034	0.008	18.699
8158_8159	8158	8159	-86.79	0.117	-0.002	0.034	-0.027	50.832
8159_8159	8159	8159	86.79	-0.117	0	0.027	0.027	-50.832
8159_8160	8159	8160	-82.064	15.309	0	-0.027	-0.032	-31.555
8160_8160	8160	8160	82.053	16.422	0.002	0.018	0.032	31.736
8160_8161	8160	8161	-76.772	0.288	-0.002	-0.018	-0.05	50.813
8161_8161	8161	8161	76.771	-0.288	0.003	-0.033	0.05	-50.813
8161_8162	8161	8162	-71.49	16.999	-0.003	0.033	-0.083	-50.459
8162_8162	8162	8162	71.49	15.425	0	-0.016	0.083	50.459
8162_8163	8162	8163	-72.918	5.464	0	0.016	-0.076	19.903
8163_8163	8163	8163	73.067	-5.464	-0.002	0.001	0.076	-20.11
8163_8164	8163	8164	-73.926	17.997	0.002	-0.001	-0.063	-75.535
8164_8164	8164	8164	73.925	18.85	0.007	-0.01	0.063	75.534
8164_8165	8164	8165	-51.352	-1	-0.007	0.01	-0.15	12.684
8165_8165	8165	8165	51.378	1.89	-0.018	-0.005	0.249	-12.752
8165_8166	8165	8166	-55.7	18.775	0.018	0.005	-0.007	-94.303
8166_8166	8166	8166	55.695	18.883	-0.001	0.007	0.007	94.163
8166_8167	8166	8167	-56.245	0.613	0.001	-0.007	0.003	20.835
8167_8167	8167	8167	56.244	-0.613	0.001	-0.008	-0.003	-20.836
8167_8168	8167	8168	-56.794	20.109	-0.001	0.008	-0.004	-107.866
8168_8168	8168	8168	56.78	20.658	0.001	0.001	0.004	107.747
8168_8169	8168	8169	-56.508	-5.841	-0.001	-0.001	-0.017	17.976
8169_8169	8169	8169	56.585	5.841	0	0.012	0.019	-18.073
8169_8170	8169	8170	-56.364	6.247	0	-0.012	-0.019	16.381
8170_8170	8170	8170	56.365	-6.247	0.002	-0.006	0.019	-16.381
8170_8171	8170	8171	-56.144	18.334	-0.002	0.006	-0.035	-78.989
8171_8171	8171	8171	56.138	19.353	0.002	-0.004	0.035	78.838
8171_8172	8171	8172	-54.748	-6.876	-0.002	0.004	-0.049	24.697
8172_8172	8172	8172	54.748	6.876	0	0.023	0.049	-24.697
8172_8173	8172	8173	-53.358	5.602	0	-0.023	-0.046	28.412
8173_8173	8173	8173	53.357	-5.602	0.002	-0.008	0.046	-28.412
8173_8174	8173	8174	-51.967	18.079	-0.002	0.008	-0.06	-67.693
8174_8174	8174	8174	51.971	18.805	-0.001	0.028	0.06	67.53
8174_8175	8174	8175	-51.449	-9.447	0.001	-0.028	-0.053	16.636
8175_8175	8175	8175	51.449	9.447	-0.001	0.028	0.053	-16.636
8175_8176	8175	8176	-50.928	-0.089	0.001	-0.028	-0.046	44.653
8176_8176	8176	8176	50.928	0.089	0.002	-0.039	0.046	-44.653
8176_8177	8176	8177	-50.407	9.269	-0.002	0.039	-0.056	16.521
8177_8177	8177	8177	50.407	-9.269	-0.001	-0.019	0.056	-16.521
8177_8178	8177	8178	-49.885	18.628	0.001	0.019	-0.05	-67.759
8178_8178	8178	8178	49.889	18.431	-0.006	0.016	0.05	67.597
8178_8179	8178	8179	-49.299	-5.954	0.006	-0.016	-0.004	29.089

8179_8179	8179	8179	49.299	5.954	-0.004	-0.014	0.004	-29.09
8179_8180	8179	8180	-48.709	6.523	0.004	0.014	0.024	25.956
8180_8180	8180	8180	48.709	-6.523	-0.004	-0.014	-0.024	-25.956
8180_8181	8180	8181	-48.119	19.001	0.004	0.014	0.052	-76.997
8181_8181	8181	8181	48.116	18.026	0.002	0.006	-0.052	76.85
8181_8182	8181	8182	-48.941	-5.938	-0.002	-0.006	0.036	16.793
8182_8182	8182	8182	48.94	5.938	0.004	-0.008	-0.036	-16.793
8182_8183	8182	8183	-49.765	6.149	-0.004	0.008	0.003	16.757
8183_8183	8183	8183	49.87	-6.149	0.004	-0.002	-0.002	-16.877
8183_8184	8183	8184	-50.881	20.966	-0.004	0.002	-0.033	-110.961
8184_8184	8184	8184	50.871	20.87	-0.014	0.011	0.033	110.851
8184_8185	8184	8185	-49.88	-1.374	0.014	-0.011	0.145	26.822
8185_8185	8185	8185	49.881	1.374	-0.013	-0.006	-0.145	-26.822
8185_8186	8185	8186	-48.89	18.122	0.013	0.006	0.306	-79.206
8186_8186	8186	8186	48.882	14.99	0.02	0.001	-0.306	79.081
8186_8187	8186	8187	-31.5	5.676	-0.02	-0.001	0.038	-37.025
8187_8187	8187	8187	75.889	-3.298	0	0.019	0.007	-35.547
8187_8188	8187	8188	-121.973	22.414	0	-0.019	-0.005	-59.784
8188_8188	8188	8188	121.962	19.017	0	-0.008	0.005	59.618
8188_8189	8188	8189	-117.885	-5.595	0	0.008	-0.002	37.737
8189_8189	8189	8189	119.2	5.584	-0.001	0.022	0	-36.437
8189_8190	8189	8190	-112.389	16.786	0.001	-0.022	0.009	-47.402
8190_8190	8190	8190	112.398	19.326	0.002	0.042	-0.009	47.216
8190_8191	8190	8191	-105.879	-1.43	-0.002	-0.042	-0.011	59.37
8191_8191	8191	8191	105.88	1.43	0.003	-0.027	0.011	-59.369
8191_8192	8191	8192	-99.36	16.466	-0.003	0.027	-0.043	-30.898
8192_8192	8192	8192	99.371	17.2	-0.001	0.002	0.043	30.706
8192_8193	8192	8193	-95.186	-0.996	0.001	-0.002	-0.038	54.967
8193_8193	8193	8193	95.186	0.996	-0.001	0.002	0.038	-54.967
8193_8194	8193	8194	-90.997	15.224	0.001	-0.002	-0.032	-20.906
8194_8194	8194	8194	91.001	15.964	0.002	-0.003	0.032	20.908
8194_8195	8194	8195	-86.723	0.256	-0.002	0.003	-0.049	52.184
8195_8195	8195	8195	86.723	-0.256	0.002	-0.003	0.049	-52.184
8195_8196	8195	8196	-82.446	16.476	-0.002	0.003	-0.065	-36.438
8196_8196	8196	8196	82.463	17.501	-0.001	-0.007	0.065	36.248
8196_8197	8196	8197	-77.405	0.394	0.001	0.007	-0.055	51.464
8197_8197	8197	8197	77.405	-0.394	-0.001	-0.007	0.055	-51.464
8197_8198	8197	8198	-72.348	18.29	0.001	0.007	-0.045	-57.677
8198_8198	8198	8198	72.364	16.543	0.001	-0.016	0.045	57.493
8198_8199	8198	8199	-75.228	5.826	-0.001	0.016	-0.058	19.129
8199_8199	8199	8199	75.335	-5.826	0	0.001	0.059	-19.266
8199_8200	8199	8200	-77.052	19.231	0	-0.001	-0.059	-82.206
8200_8200	8200	8200	77.059	20.315	-0.006	-0.01	0.059	82.378
8200_8201	8200	8201	-52.511	-1.199	0.006	0.01	0.017	13.71
8201_8201	8201	8201	53.404	2.194	-0.041	-0.005	0.154	-15.269
8201_8202	8201	8202	-58.147	20.205	0.041	0.005	0.395	-99.015
8202_8202	8202	8202	58.15	20.329	0.054	0	-0.395	99.168
8202_8203	8202	8203	-58.889	0.801	-0.054	0	-0.275	24.114
8203_8203	8203	8203	58.889	-0.801	0.054	0	0.275	-24.114
8203_8204	8203	8204	-59.629	21.932	-0.054	0	-0.946	-116.742
8204_8204	8204	8204	59.594	22.393	-0.041	0.006	0.946	116.802
8204_8205	8204	8205	-59.483	-6.334	0.041	-0.006	-0.555	19.594
8205_8205	8205	8205	59.647	6.334	-0.041	-0.004	0.564	-19.777
8205_8206	8205	8206	-59.557	6.768	0.041	0.004	-0.249	18.048
8206_8206	8206	8206	59.557	-6.768	-0.041	-0.004	0.249	-18.048

8206_8207	8206	8207	-59.468	19.869	0.041	0.004	0.065	-85.214
8207_8207	8207	8207	59.466	20.816	-0.027	0.004	-0.065	85.364
8207_8208	8207	8208	-58.375	-7.292	0.027	-0.004	0.28	25.927
8208_8208	8208	8208	58.375	7.292	-0.027	0.004	-0.28	-25.927
8208_8209	8208	8209	-57.283	6.232	0.027	-0.004	0.495	29.029
8209_8209	8209	8209	57.283	-6.232	-0.027	0.004	-0.495	-29.029
8209_8210	8209	8210	-56.192	19.756	0.027	-0.004	0.71	-76.059
8210_8210	8210	8210	56.199	20.393	-0.008	0.032	-0.71	76.251
8210_8211	8210	8211	-55.762	-10.25	0.008	-0.032	0.76	15.151
8211_8211	8211	8211	55.762	10.25	-0.008	0.032	-0.76	-15.151
8211_8212	8211	8212	-55.324	-0.107	0.008	-0.032	0.811	45.696
8212_8212	8212	8212	55.324	0.107	-0.006	-0.038	-0.811	-45.696
8212_8213	8212	8213	-54.887	10.036	0.006	0.038	0.846	15.384
8213_8213	8213	8213	54.887	-10.036	-0.008	-0.019	-0.846	-15.384
8213_8214	8213	8214	-54.45	20.179	0.008	0.019	0.896	-75.785
8214_8214	8214	8214	54.459	20.097	0.016	0	-0.896	75.987
8214_8215	8214	8215	-54.009	-6.573	-0.016	0	0.767	29.909
8215_8215	8215	8215	54.009	6.573	0.016	0	-0.767	-29.909
8215_8216	8215	8216	-53.559	6.951	-0.016	0	0.638	27.611
8216_8216	8216	8216	53.559	-6.951	0.016	0	-0.638	-27.611
8216_8217	8216	8217	-53.109	20.475	-0.016	0	0.508	-82.881
8217_8217	8217	8217	53.108	19.514	0.043	0.006	-0.508	82.868
8217_8218	8217	8218	-53.765	-6.413	-0.043	-0.006	0.179	18.443
8218_8218	8218	8218	53.765	6.413	0.043	0.006	-0.179	-18.443
8218_8219	8218	8219	-54.422	6.689	-0.043	-0.006	-0.151	18.217
8219_8219	8219	8219	54.467	-6.689	0.042	0.007	0.151	-18.262
8219_8220	8219	8220	-55.274	22.748	-0.042	-0.007	-0.554	-120.532
8220_8220	8220	8220	55.293	22.699	0.029	0.005	0.554	120.559
8220_8221	8220	8221	-53.972	-1.579	-0.029	-0.005	-0.914	28.8
8221_8221	8221	8221	53.972	1.579	0.029	0.005	0.914	-28.8
8221_8222	8221	8222	-52.649	19.559	-0.029	-0.005	-1.275	-85.924
8222_8222	8222	8222	52.629	16.747	-0.45	0.007	1.275	85.912
8222_8223	8222	8223	-37.065	5.659	0.45	-0.007	4.685	-30.301
8223_8223	8223	8223	75.525	-3.309	0.013	0.015	-0.232	-31.398
8223_8224	8223	8224	-121.714	24.001	-0.013	-0.015	0.074	-74.628
8224_8224	8224	8224	121.767	20.997	0.019	0.047	-0.074	74.473
8224_8225	8224	8225	-118.266	-6.468	-0.019	-0.047	-0.084	35.27
8225_8225	8225	8225	118.488	6.466	0.02	-0.012	0.084	-35.641
8225_8226	8225	8226	-112.235	19.489	-0.02	0.012	-0.373	-66.512
8226_8226	8226	8226	112.232	21.28	-0.003	0.218	0.373	66.451
8226_8227	8226	8227	-107.285	-1.038	0.003	-0.218	-0.335	56.153
8227_8227	8227	8227	107.285	1.038	-0.001	-0.21	0.335	-56.152
8227_8228	8227	8228	-102.337	19.209	0.001	0.21	-0.327	-53.852
8228_8228	8228	8228	102.331	20.362	0.013	0.028	0.327	54.007
8228_8229	8228	8229	-98.735	-0.109	-0.013	-0.028	-0.476	59.425
8229_8229	8229	8229	98.735	0.109	0.013	-0.036	0.476	-59.425
8229_8230	8229	8230	-95.142	20.127	-0.013	0.036	-0.63	-59.752
8230_8230	8230	8230	95.141	21.258	0.012	0.279	0.63	59.777
8230_8231	8230	8231	-90.07	0.036	-0.012	-0.279	-0.769	62.577
8231_8231	8231	8231	90.07	-0.036	0.015	-0.301	0.769	-62.579
8231_8232	8231	8232	-85.002	21.322	-0.015	0.301	-0.951	-72.316
8232_8232	8232	8232	85.333	20.885	-0.054	-0.014	0.926	72.063
8232_8233	8232	8233	-85.089	2.808	0.054	0.014	-0.2	48.368
8233_8233	8233	8233	85.091	-2.808	-0.054	0.003	0.2	-48.368
8233_8234	8233	8234	-84.912	20.181	0.054	-0.003	0.334	-65.771

8234_8234	8234	8234	87.786	18.594	0.037	0.032	-0.334	60.997
8234_8235	8234	8235	-65.734	-0.832	-0.037	-0.032	-0.038	10.723
8235_8235	8235	8235	62.318	1.663	-0.011	-0.061	0.88	-5.174
8235_8236	8235	8236	-60.739	15.972	0.011	0.061	-0.78	-63.645
8236_8236	8236	8236	60.804	16.732	0.109	-0.076	0.78	63.549
8236_8237	8236	8237	-66.827	0.415	-0.109	0.076	-1.778	17.75
8237_8237	8237	8237	66.824	-0.415	0.108	0.058	1.778	-17.748
8237_8238	8237	8238	-73.621	19.766	-0.108	-0.058	-2.896	-79.08
8238_8238	8238	8238	73.839	22.916	-0.12	0.012	2.887	78.774
8238_8239	8238	8239	-68.796	6.845	0.12	-0.012	-0.987	43.853
8239_8239	8239	8239	68.795	-6.845	-0.12	-0.02	0.987	-43.853
8239_8240	8239	8240	-66.066	22.948	0.12	0.02	0.041	-86.998
8240_8240	8240	8240	65.981	20.957	-0.102	-0.002	-0.041	87.025
8240_8241	8240	8241	-65.756	-1.684	0.102	0.002	1.089	29.196
8241_8241	8241	8241	65.756	1.684	-0.102	0.009	-1.089	-29.196
8241_8242	8241	8242	-65.552	15.801	0.102	-0.009	2.039	-36.981
8242_8242	8242	8242	65.588	17.624	-0.059	-0.007	-2.039	36.81
8242_8243	8242	8243	-65.108	1.913	0.059	0.007	2.65	44.483
8243_8243	8243	8243	65.109	-1.913	-0.059	0.022	-2.65	-44.483
8243_8244	8243	8244	-64.686	19.117	0.059	-0.022	3.188	-52.713
8244_8244	8244	8244	64.666	19.003	0.102	0.185	-3.188	52.698
8244_8245	8244	8245	-64.026	-1.321	-0.102	-0.185	2.225	42.369
8245_8245	8245	8245	64.026	1.321	0.103	-0.159	-2.225	-42.37
8245_8246	8245	8246	-63.336	17.734	-0.103	0.159	1.181	-42.095
8246_8246	8246	8246	63.329	15.899	-0.227	0.003	-1.181	42.271
8246_8247	8246	8247	-63.202	2.723	0.227	-0.003	3.44	22.899
8247_8247	8247	8247	63.202	-2.723	-0.227	0.008	-3.44	-22.899
8247_8248	8247	8248	-63.079	20.855	0.227	-0.008	5.639	-91.586
8248_8248	8248	8248	63.18	22.482	0.5	0.25	-5.645	91.577
8248_8249	8248	8249	-63.943	-0.002	-0.5	-0.25	-0.352	44.054
8249_8249	8249	8249	63.937	0.002	0.501	-0.23	0.352	-44.052
8249_8250	8249	8250	-64.731	23.395	-0.501	0.23	-6.606	-101.395
8250_8250	8250	8250	64.702	22.003	-0.345	0.016	6.606	101.442
8250_8251	8250	8251	-62.746	-1.203	0.345	-0.016	-2.773	25.026
8251_8251	8251	8251	62.746	1.203	-0.345	-0.003	2.773	-25.026
8251_8252	8251	8252	-60.895	18.486	0.345	0.003	0.854	-68.118
8252_8252	8252	8252	60.889	18.187	0.089	-0.011	-0.854	68.062
8252_8253	8252	8253	-48.016	4.48	-0.089	0.011	-0.223	-0.119
8253_8253	8253	8253	48.019	-4.48	0.089	0.039	0.223	0.119
8253_8254	8253	8254	-37.893	22.311	-0.089	-0.039	-1.075	-139.485
8254_8254	8254	8254	94.918	19.753	-0.02	-0.022	0.556	46.91
8254_8255	8254	8255	-118.052	3.636	0.02	0.022	-0.316	76.919
8255_8255	8255	8255	118.05	-3.636	-0.02	0.047	0.316	-76.919
8255_8256	8255	8256	-142.799	28.656	0.02	-0.047	-0.06	-97.054
8256_8256	8256	8256	142.796	23.372	0.022	0.257	0.06	97.07
8256_8257	8256	8257	-144.527	-0.327	-0.022	-0.257	-0.321	43.285
8257_8257	8257	8257	144.536	0.327	0.022	-0.249	0.321	-43.28
8257_8258	8257	8258	-146.227	22.202	-0.022	0.249	-0.573	-79.279
8258_8258	8258	8258	146.256	21.276	0.005	0	0.573	79.124
8258_8259	8258	8259	-154.339	1.93	-0.005	0	-0.637	43.926
8259_8259	8259	8259	154.34	-1.93	0.005	-0.016	0.637	-43.926
8259_8260	8259	8260	-162.125	24.277	-0.005	0.016	-0.699	-95.136
8260_8260	8260	8260	162.104	21.542	-0.003	0.376	0.699	95.333
8260_8261	8260	8261	-165.004	-3.61	0.003	-0.376	-0.668	21.996
8261_8261	8261	8261	165.001	3.61	-0.004	-0.28	0.668	-21.987

8261_8262	8261	8262	-169.472	24.037	0.004	0.28	-0.617	-115.927
8262_8262	8262	8262	169.756	24.815	0.002	-0.05	0.639	115.263
8262_8263	8262	8263	-153.302	0.33	-0.002	0.05	-0.659	20.757
8263_8263	8263	8263	153.301	-0.33	0.002	-0.011	0.659	-20.757
8263_8264	8263	8264	-138.943	22.271	-0.002	0.011	-0.677	-121.939
8264_8264	8264	8264	138.905	25.633	0.011	-0.022	0.677	121.989
8264_8265	8264	8265	-124.72	-1.759	-0.011	0.022	-0.806	26.875
8265_8265	8265	8265	124.721	1.759	0.011	-0.015	0.806	-26.875
8265_8266	8265	8266	-109.75	23.436	-0.011	0.015	-0.943	-128.812
8266_8266	8266	8266	109.875	23.363	0.02	-0.035	0.943	128.705
8266_8267	8266	8267	-113.799	-2.654	-0.02	0.035	-1.153	11.239
8267_8267	8267	8267	113.797	2.654	0.02	-0.006	1.153	-11.238
8267_8268	8267	8268	-116.942	13.941	-0.02	0.006	-1.321	-33.248
8268_8268	8268	8268	71.552	21.684	-0.163	0.048	1.652	107.658
8268_8269	8268	8269	-79.872	3.842	0.163	-0.048	0.417	14.669
8269_8269	8269	8269	79.87	-3.842	-0.163	-0.073	-0.417	-14.671
8269_8270	8269	8270	-86.705	24.811	0.163	0.073	2.116	-127.643
8270_8270	8270	8270	86.707	33.161	0.089	0.01	-2.116	127.554
8270_8271	8270	8271	-53.727	-9.682	-0.089	-0.01	1.074	87.615
8271_8271	8271	8271	53.727	9.682	0.089	-0.013	-1.074	-87.615
8271_8272	8271	8272	-19.712	14.532	-0.089	0.013	0	21.932
8372_8372	8372	8372	32.487	10.498	-0.2	-0.018	0.14	-43.386
8372_8373	8372	8373	-32.487	8.025	0.2	0.018	2.337	58.717
8373_8373	8373	8373	60.552	-8.025	-0.202	0.015	-2.055	-95.979
8373_8374	8373	8374	-60.552	25.053	0.202	-0.015	4.359	-92.5
8374_8374	8374	8374	72.639	15.403	0.103	0.001	-3.887	76.49
8374_8375	8374	8375	-72.639	0.286	-0.103	-0.001	2.805	2.877
8375_8375	8375	8375	69.944	-0.286	0.089	0.002	-2.108	0.873
8375_8376	8375	8376	-69.944	14.635	-0.089	-0.002	1.25	-72.523
8376_8376	8376	8376	68.652	18.275	0.168	0.213	-0.851	74.807
8376_8377	8376	8377	-68.652	-1.018	-0.168	-0.213	-1.085	36.606
8377_8377	8377	8377	68.663	1.018	0.115	-0.216	1.452	-36.647
8377_8378	8377	8378	-68.663	17.215	-0.115	0.216	-2.86	-62.178
8378_8378	8378	8378	68.467	16.629	-0.193	0.004	3.351	62.434
8378_8379	8378	8379	-68.467	1.886	0.193	-0.004	-0.964	28.91
8379_8379	8379	8379	68.221	-1.886	-0.196	0.011	1.264	-28.373
8379_8380	8379	8380	-68.221	18.628	0.196	-0.011	0.932	-86.558
8380_8380	8380	8380	66.812	17.672	0.003	0.042	-0.702	87.663
8380_8381	8380	8381	-66.812	-2.134	-0.003	-0.042	0.672	15.319
8381_8381	8381	8381	64.338	2.134	-0.032	-0.014	-0.348	-12.142
8381_8382	8381	8382	-64.338	12.614	0.032	0.014	0.668	-39.576
8382_8382	8382	8382	61.557	16.952	-0.025	0.041	-0.349	43.308
8382_8383	8382	8383	-61.557	-0.279	0.025	-0.041	0.633	52.833
8383_8383	8383	8383	58.429	0.277	-0.028	0.003	-0.472	-48.729
8383_8384	8383	8384	-58.429	16.936	0.028	-0.003	0.789	-47.227
8384_8384	8384	8384	67.912	17.323	-0.049	-0.001	0.115	30.034
8384_8385	8384	8385	-67.912	-0.799	0.049	0.001	0.436	71.007
8385_8385	8385	8385	57.535	0.799	-0.045	0.06	0.214	-56.461
8385_8386	8385	8386	-57.535	15.736	0.045	-0.06	0.287	-26.884
8386_8386	8386	8386	53.053	17.802	-0.016	0.256	0.145	32.816
8386_8387	8386	8387	-53.053	-1.385	0.016	-0.256	0.03	73.479
8387_8387	8387	8387	54.571	1.385	-0.028	-0.169	0.298	-75.743
8387_8388	8387	8388	-54.571	17.393	0.028	0.169	0.051	-25.692
8388_8388	8388	8388	56.021	17.628	-0.043	0.005	0.427	24.132
8388_8389	8388	8389	-56.021	0.266	0.043	-0.005	0.098	80.695

8389_8389	8389	8389	57.28	-0.266	-0.044	0.047	0.436	-82.543
8389_8390	8389	8390	-57.28	17.578	0.044	-0.047	0.082	-21.695
8390_8390	8390	8390	58.709	17.321	-0.042	0.24	0.466	19.79
8390_8391	8390	8391	-58.709	1.521	0.042	-0.24	0.065	80.668
8391_8391	8391	8391	60.225	-1.521	-0.081	-0.238	0.675	-82.81
8391_8392	8391	8392	-60.225	17.884	0.081	0.238	0.216	-24.339
8392_8392	8392	8392	61.8	17.154	-0.07	-0.012	0.7	21.842
8392_8393	8392	8393	-61.8	-0.284	0.07	0.012	0.101	77.423
8393_8393	8393	8393	63.617	0.284	-0.057	0.026	0.771	-79.899
8393_8394	8393	8394	-63.617	18.038	0.057	-0.026	-0.066	-29.866
8394_8394	8394	8394	65.768	16.541	-0.087	0.239	0.834	26.603
8394_8395	8394	8395	-65.768	1.074	0.087	-0.239	0.206	65.329
8395_8395	8395	8395	68.175	-1.074	-0.121	-0.249	0.697	-68.522
8395_8396	8395	8396	-68.175	18.635	0.121	0.249	0.739	-48.261
8396_8396	8396	8396	67.557	18.687	0.037	-0.039	0.234	49.55
8396_8397	8396	8397	-67.557	-0.925	-0.037	0.039	-0.678	67.99
8397_8397	8397	8397	63.851	0.925	0.038	0.009	1.514	-63.111
8397_8398	8397	8398	-63.851	16.495	-0.038	-0.009	-1.959	-28.41
8398_8398	8398	8398	40.618	18.591	-0.533	0.002	3.857	59.208
8398_8399	8398	8399	-40.618	-3.733	0.533	-0.002	1.486	52.718
8572_8572	8572	8572	17.852	10.585	-0.169	0.006	0	-23.874
8572_8573	8572	8573	-50.381	7.943	0.169	-0.006	2.09	75.996
8573_8573	8573	8573	50.381	-7.943	-0.169	-0.004	-2.09	-75.996
8573_8574	8573	8574	-80.076	24.857	0.169	0.004	3.998	-77.023
8574_8574	8574	8574	80.094	15.876	0.124	0	-3.998	76.989
8574_8575	8574	8575	-73.494	-0.471	-0.124	0	2.721	-0.333
8575_8575	8575	8575	73.494	0.471	0.124	0.002	-2.721	0.332
8575_8576	8575	8576	-67.415	13.717	-0.124	-0.002	1.545	-70.235
8576_8576	8576	8576	67.356	17.732	0.238	0.227	-1.545	69.878
8576_8577	8576	8577	-68.704	-0.408	-0.238	-0.227	-1.217	36.813
8577_8577	8577	8577	68.861	0.408	0.239	-0.186	1.21	-37.012
8577_8578	8577	8578	-70.301	18.075	-0.239	0.186	-4.162	-70.618
8578_8578	8578	8578	70.294	17.528	-0.238	-0.018	4.162	70.686
8578_8579	8578	8579	-68.934	0.584	0.238	0.018	-1.275	30.147
8579_8579	8579	8579	68.934	-0.584	-0.238	-0.002	1.275	-30.147
8579_8580	8579	8580	-67.655	17.607	0.238	0.002	1.439	-75.23
8580_8580	8580	8580	67.73	17.15	0.052	0.066	-1.439	76.073
8580_8581	8580	8581	-65.872	-1.914	-0.052	-0.066	0.911	19.407
8581_8581	8581	8581	65.875	1.914	0.052	-0.036	-0.911	-19.407
8581_8582	8581	8582	-64.05	13.054	-0.052	0.036	0.393	-38.083
8582_8582	8582	8582	64.068	16.759	-0.005	0.018	-0.393	37.954
8582_8583	8582	8583	-60.643	-0.551	0.005	-0.018	0.444	52.306
8583_8583	8583	8583	60.735	0.55	-0.005	0.041	-0.444	-52.414
8583_8584	8583	8584	-57.033	16.96	0.005	-0.041	0.497	-47.661
8584_8584	8584	8584	73.307	17.282	0.01	0.057	-0.219	21.189
8584_8585	8584	8585	-61.262	-0.51	-0.01	-0.057	0.106	64.751
8585_8585	8585	8585	61.262	0.51	0.01	0.006	-0.106	-64.751
8585_8586	8585	8586	-49.64	15.672	-0.01	-0.006	-0.003	-32.269
8586_8586	8586	8586	49.652	17.528	0.007	0.273	0.003	32.329
8586_8587	8586	8587	-51.88	-1.319	-0.007	-0.273	-0.077	73.725
8587_8587	8587	8587	51.882	1.319	0.007	-0.177	0.077	-73.726
8587_8588	8587	8588	-54.478	17.573	-0.007	0.177	-0.164	-26.437
8588_8588	8588	8588	54.446	17.537	0.002	0.016	0.164	25.538
8588_8589	8588	8589	-55.386	0.18	-0.002	-0.016	-0.187	79.55
8589_8589	8589	8589	55.387	-0.18	0.002	0.036	0.187	-79.55

8589_8590	8589	8590	-56.308	17.546	-0.002	-0.036	-0.21	-23.027
8590_8590	8590	8590	56.308	17.226	0.003	0.243	0.21	23.063
8590_8591	8590	8591	-58.204	1.501	-0.003	-0.243	-0.253	78.63
8591_8591	8591	8591	58.199	-1.501	0.003	-0.242	0.253	-78.632
8591_8592	8591	8592	-59.855	17.858	-0.003	0.242	-0.29	-26.186
8592_8592	8592	8592	59.858	17.212	0.003	0.004	0.29	26.698
8592_8593	8592	8593	-61.291	-0.583	-0.003	-0.004	-0.325	74.846
8593_8593	8593	8593	61.291	0.583	0.003	0.005	0.325	-74.846
8593_8594	8593	8594	-62.88	17.869	-0.003	-0.005	-0.362	-30.905
8594_8594	8594	8594	62.881	16.249	-0.004	0.214	0.362	31.438
8594_8595	8594	8595	-67.184	1.374	0.004	-0.214	-0.315	61.762
8595_8595	8595	8595	67.173	-1.374	-0.004	-0.231	0.315	-61.766
8595_8596	8595	8596	-71.437	18.834	0.004	0.231	-0.268	-52.591
8596_8596	8596	8596	71.409	19.17	0.013	-0.031	0.268	52.291
8596_8597	8596	8597	-65.187	-1.448	-0.013	0.031	-0.428	63.948
8597_8597	8597	8597	65.187	1.448	0.013	-0.013	0.428	-63.947
8597_8598	8597	8598	-59.095	15.904	-0.013	0.013	-0.585	-27.616
8598_8598	8598	8598	59.184	19.517	-0.088	-0.028	0.585	27.49
8598_8599	8598	8599	-19.074	-9.635	0.088	0.028	0	24.536
9000_9000	9000	9000	55.598	391.984	4.224	8.355	0	-375.809
9000_9001	9000	9001	-35.782	-364.248	-4.224	-8.355	-35.059	3422.916
9001_9001	9001	9001	35.794	364.244	4.234	4.218	35.059	-3422.93
9001_9002	9001	9002	-17.059	-334.522	-4.234	-4.218	-72.714	6444.117
9002_9002	9002	9002	17.067	320.721	-3.972	12.179	72.714	-6444.12
9002_9003	9002	9003	6.261	-280.342	3.972	-12.179	-24.716	9968.299
9003_9003	9003	9003	-6.272	280.336	-3.96	-4.001	24.716	-9968.3
9003_9004	9003	9004	24.838	-239.933	3.96	4.001	23.161	13028.26
9004_9004	9004	9004	-24.837	218.377	0.803	15.355	-23.161	-13028.3
9004_9005	9004	9005	39.426	-178.011	-0.803	-15.355	13.466	15355.55
9005_9005	9005	9005	-39.424	178.006	0.815	-9.872	-13.466	-15355.6
9005_9006	9005	9006	49.249	-137.616	-0.815	9.872	3.616	17218.22
9006_9006	9006	9006	-49.248	115.878	0.309	8.489	-3.616	-17218.2
9006_9007	9006	9007	56.737	-75.493	-0.309	-8.489	-0.12	18340.65
9007_9007	9007	9007	-56.737	75.488	0.315	-5.686	0.12	-18340.7
9007_9008	9007	9008	59.452	-35.107	-0.315	5.686	-3.925	18997
9008_9008	9008	9008	-59.452	13.076	-0.145	-1.203	3.925	-18997
9008_9009	9008	9009	60.192	27.326	0.145	1.203	-2.171	18908.17
9009_9009	9009	9009	-60.192	-27.331	-0.146	0.688	2.171	-18908.2
9009_9010	9009	9010	56.159	67.699	0.146	-0.688	-0.409	18353.59
9010_9010	9010	9010	-56.159	-90.823	0.865	11.656	0.409	-18353.6
9010_9011	9010	9011	50.128	131.216	-0.865	-11.656	-10.863	17040.33
9011_9011	9011	9011	-50.127	-131.221	0.876	-14.62	10.863	-17040.3
9011_9012	9011	9012	39.323	171.606	-0.876	14.62	-21.455	15261.28
9012_9012	9012	9012	-39.323	-193.901	0.574	7.259	21.455	-15261.3
9012_9013	9012	9013	26.238	234.281	-0.574	-7.259	-28.395	12735.62
9013_9013	9013	9013	-26.238	-234.286	0.586	-12.198	28.395	-12735.6
9013_9014	9013	9014	8.385	274.658	-0.586	12.198	-35.474	9744.699
9014_9014	9014	9014	-8.382	-296.147	0.561	1.978	35.474	-9744.7
9014_9015	9014	9015	-18.93	348.095	-0.561	-1.978	-44.19	4864.577
9015_9015	9015	9015	17.542	-346.951	0.392	-5.759	41.287	-4826.92
9015_9016	9015	9016	-37.987	372.916	-0.392	5.768	-44.525	1934.754
9016_9016	9016	9016	62.327	-393.136	-3.363	-4.186	62.974	-2013.81
9016_9017	9016	9017	-91.139	430.395	3.363	4.203	-23.417	-2704.7
9017_9017	9017	9017	103.182	-428.515	-3.347	1.033	23.657	2703.936
9017_9018	9017	9018	-131.173	473.361	3.347	-1.004	20.783	-8540.59

9018_9018	9018	9018	146.168	-493.166	4.28	-13.254	-22.073	8540.793
9018_9019	9018	9019	-165.796	537.453	-4.28	13.183	-31.632	-14858.8
9019_9019	9019	9019	180.332	-534.646	4.292	9.729	34.053	14859.54
9019_9020	9019	9020	-194.426	581.558	-4.292	-9.808	-88.098	-21733.8
9020_9020	9020	9020	-2103.44	181.276	-25.175	-3.215	543.461	3956.03
9020_9021	9020	9021	2123.201	-150.572	25.175	3.215	-304.233	-2458.82
9021_9021	9021	9021	-2118.47	150.479	-20.427	1.967	306.012	2435.525
9021_9022	9021	9022	2132.906	-127.59	20.427	-1.967	-147.93	-1417.65
9022_9022	9022	9022	-2132.89	127.579	-22.528	0.637	147.93	1417.646
9022_9023	9022	9023	2145.147	-104.628	22.528	-0.637	26.888	-566.035
9023_9023	9023	9023	-2145.21	85.616	-4.708	-0.194	-26.888	566.026
9023_9024	9023	9024	2155.364	-61.956	4.708	0.194	64.554	-16.624
9024_9024	9024	9024	-2155.36	61.945	-4.708	-0.194	-64.554	16.624
9024_9025	9024	9025	2163.159	-38.285	4.708	0.194	102.219	352.904
9025_9025	9025	9025	-2163.16	34.893	-2.073	-0.48	-102.219	-352.903
9025_9026	9025	9026	2166.197	-11.237	2.073	0.48	118.8	525.168
9026_9026	9026	9026	-2166.2	-5.36	-4.881	0.003	-118.8	-525.16
9026_9027	9026	9027	2167.307	23.095	4.881	-0.003	148.067	435.371
9027_9027	9027	9027	-2167.31	-23.104	-0.981	-0.523	-148.067	-435.371
9027_9028	9027	9028	2167.098	40.865	0.981	0.523	153.961	244.158
9028_9028	9028	9028	-2167.1	-40.874	-1.364	-0.506	-153.961	-244.158
9028_9029	9028	9029	2165.557	58.606	1.364	0.506	162.141	-47.852
9029_9029	9029	9029	-2165.56	-58.614	-0.981	-0.473	-162.141	47.852
9029_9030	9029	9030	2162.686	76.376	0.981	0.473	168.035	-441.628
9030_9030	9030	9030	-2162.69	-93.223	1.516	-1.5	-168.035	441.625
9030_9031	9030	9031	2157.31	116.869	-1.516	1.5	155.914	-1259.85
9031_9031	9031	9031	-2157.31	-116.881	1.516	-1.5	-155.914	1259.851
9031_9032	9031	9032	2149.578	140.528	-1.516	1.5	143.792	-2257.76
9032_9032	9032	9032	-2149.57	-140.54	4.433	1.651	-143.792	2257.754
9032_9033	9032	9033	2139.472	164.213	-4.433	-1.651	108.311	-3436.75
9033_9033	9033	9033	-2139.43	-182.897	15.713	-5.272	-108.311	3436.782
9033_9034	9033	9034	2127.379	205.825	-15.713	5.272	-13.5	-4895.01
9034_9034	9034	9034	-2127.38	-205.836	15.713	-5.272	13.5	4895.011
9034_9035	9034	9035	2113.108	228.765	-15.713	5.272	-135.311	-6522.17
9035_9035	9035	9035	-2118.61	-228.862	20.698	9.82	133.996	6549.185
9035_9036	9035	9036	2099.127	259.556	-20.698	-9.82	-330.616	-8790.7
9036_9036	9036	9036	174.413	496.635	-3.222	-26.636	47.387	27766.93
9036_9037	9036	9037	-164.248	-449.729	3.222	26.582	-6.85	-21942.4
9037_9037	9037	9037	151.984	451.926	-3.136	25.32	1.451	21941.71
9037_9038	9037	9038	-137.318	-407.584	3.136	-25.368	37.915	-16671.9
9038_9038	9038	9038	124.902	389.832	2.215	-3.925	-35.329	16671.9
9038_9039	9038	9039	-103.292	-344.978	-2.215	3.963	5.931	-11922.8
9039_9039	9039	9039	534.668	340.516	1.141	4.754	-10.314	9555.763
9039_9040	9039	9040	-520.239	-303.011	-1.141	-4.763	-3.105	-5931.16
9040_9040	9040	9040	513.735	284.122	0.333	0.324	3.294	5932.14
9040_9041	9040	9041	-483.106	-258.221	-0.333	-0.322	-6.039	-3850.51
9041_9041	9041	9041	553.67	259.966	0.381	0.534	4.278	3492.45
9041_9042	9041	9042	-469.595	-216.749	-0.381	-0.534	-10.031	-256.334
9042_9042	9042	9042	469.596	196.039	-0.158	2.417	10.031	256.328
9042_9043	9042	9043	-408.652	-162.075	0.158	-2.417	-8.15	1603.373
9043_9043	9043	9043	408.652	162.08	-0.116	-1.718	8.15	-1603.37
9043_9044	9043	9044	-353.407	-128.147	0.116	1.718	-6.778	3080.925
9044_9044	9044	9044	353.406	103.61	-0.077	3.016	6.778	-3080.92
9044_9045	9044	9045	-305.464	-69.653	0.077	-3.016	-5.868	3894.234
9045_9045	9045	9045	305.464	69.659	-0.029	-2.622	5.868	-3894.23

9045_9046	9045	9046	-263.174	-35.705	0.029	2.622	-5.519	4326.742
9046_9046	9046	9046	263.174	14.322	0.003	2.525	5.519	-4326.74
9046_9047	9046	9047	-224.049	19.627	-0.003	-2.525	-5.558	4114.813
9047_9047	9047	9047	224.048	-19.621	0.051	-2.56	5.558	-4114.81
9047_9048	9047	9048	-190.572	53.567	-0.051	2.56	-6.158	3522.33
9048_9048	9048	9048	190.572	-74.754	0.149	1.231	6.158	-3522.33
9048_9049	9048	9049	-160.325	108.696	-0.149	-1.231	-7.927	2288.33
9049_9049	9049	9049	160.325	-108.69	0.196	-1.671	7.927	-2288.33
9049_9050	9049	9050	-135.724	142.629	-0.196	1.671	-10.258	674.015
9050_9050	9050	9050	135.722	-162.839	-0.177	-0.853	10.258	-674.009
9050_9051	9050	9051	-109.939	206.097	0.177	0.853	-7.577	-2251.19
9051_9051	9051	9051	110.098	-204.947	-0.095	0.946	7.888	2262.486
9051_9052	9051	9052	-100.076	229.183	0.095	-0.94	-7.104	-4110.89
9052_9052	9052	9052	105.756	-247.452	-1.076	-1.25	7.057	4111.527
9052_9053	9052	9053	-95.045	282.375	1.076	1.235	5.589	-7302.33
9053_9053	9053	9053	89.128	-280.973	-2.277	0.464	3.403	7376.992
9053_9054	9053	9054	-90.713	325.312	2.277	-0.435	26.83	-11422.9
9054_9054	9054	9054	101.683	-343.24	2.256	-7.448	-27.585	11424.75
9054_9055	9054	9055	-108.482	386.822	-2.256	7.412	-0.732	-15996.6
9055_9055	9055	9055	119.132	-383.9	2.3	5.937	2.095	15999.52
9055_9056	9055	9056	-129.422	429.781	-2.3	-5.979	-31.048	-21081.7
9056_9056	9056	9056	-1801.78	243.09	-18.997	-5.157	334.804	6216.032
9056_9057	9056	9057	1828.278	-212.724	18.997	5.157	-154.356	-4162.12
9057_9057	9057	9057	-1829.22	212.717	-15.464	3.05	155.606	4131.69
9057_9058	9057	9058	1848.632	-188.396	15.464	-3.05	-35.726	-2658.2
9058_9058	9058	9058	-1848.65	188.396	-12.891	6.972	35.726	2658.189
9058_9059	9058	9059	1865.96	-164.078	12.891	-6.972	64.203	-1364.97
9059_9059	9059	9059	-1865.98	146.274	-4.937	-0.29	-64.203	1364.947
9059_9060	9059	9060	1881.634	-121.2	4.937	0.29	103.661	-362.479
9060_9060	9060	9060	-1881.64	117.813	-2.257	1.094	-103.661	362.477
9060_9061	9060	9061	1892.803	-92.71	2.257	-1.094	121.721	431.324
9061_9061	9061	9061	-1892.8	92.711	-2.257	1.094	-121.721	-431.324
9061_9062	9061	9062	1901.732	-67.607	2.257	-1.094	139.781	1033.197
9062_9062	9062	9062	-1901.73	51.577	0.391	0.517	-139.781	-1033.2
9062_9063	9062	9063	1907.339	-32.737	-0.391	-0.517	137.434	1261.047
9063_9063	9063	9063	-1907.34	32.737	-3.175	1.105	-137.434	-1261.04
9063_9064	9063	9064	1911.682	-13.926	3.175	-1.105	156.47	1380.683
9064_9064	9064	9064	-1911.68	13.926	3.479	-0.211	-156.47	-1380.69
9064_9065	9064	9065	1914.77	4.881	-3.479	0.211	135.612	1392.564
9065_9065	9065	9065	-1914.77	-4.88	0.391	0.347	-135.612	-1392.56
9065_9066	9065	9066	1916.61	23.72	-0.391	-0.347	133.265	1296.451
9066_9066	9066	9066	-1916.61	-39.686	2.099	0.024	-133.265	-1296.46
9066_9067	9066	9067	1917.631	64.782	-2.099	-0.024	116.477	870.66
9067_9067	9067	9067	-1917.63	-64.782	4.593	0.324	-116.477	-870.662
9067_9068	9067	9068	1916.413	89.876	-4.593	-0.324	79.74	253.104
9068_9068	9068	9068	-1916.41	-89.875	4.593	0.324	-79.74	-253.104
9068_9069	9068	9069	1912.967	114.97	-4.593	-0.324	43.003	-556.245
9069_9069	9069	9069	-1912.93	-132.411	15.255	-3.354	-43.003	556.26
9069_9070	9069	9070	1907.53	156.717	-15.255	3.354	-75.181	-1658.47
9070_9070	9070	9070	-1907.53	-156.716	15.428	-3.111	75.181	1658.469
9070_9071	9070	9071	1900.019	181.053	-15.428	3.111	-194.859	-2942.37
9071_9071	9071	9071	-1898.18	-181.064	18.935	4.478	195.596	2969.771
9071_9072	9071	9072	1886.144	211.436	-18.935	-4.478	-375.479	-4790.39
9072_9072	9072	9072	82.26	464.989	-2.204	-11.685	41.599	19277.38
9072_9073	9072	9073	-47.938	-419.413	2.204	11.64	-13.863	-13874.6

9073_9073	9073	9073	36.432	422.054	-2.113	14.669	11.111	13872.57
9073_9074	9073	9074	2.612	-378.807	2.113	-14.709	15.426	-8991.73
9074_9074	9074	9074	-14.197	363.61	2.429	1.814	-14.175	8990.505
9074_9075	9074	9075	56.581	-319.633	-2.429	-1.77	-18.063	-4588.72
9075_9075	9075	9075	382.973	315.472	1.28	0.788	4.102	2178.078
9075_9076	9075	9076	-363.74	-281.121	-1.28	-0.794	-19.154	1193.012
9076_9076	9076	9076	357.664	264.559	-0.377	2.419	19.147	-1192.44
9076_9077	9076	9077	-331.255	-240.772	0.377	-2.417	-16.035	3152.724
9077_9077	9077	9077	302.953	239.397	-0.391	-0.384	18.385	-3115.05
9077_9078	9077	9078	-259.673	-197.825	0.391	0.384	-13.028	5916.633
9078_9078	9078	9078	259.674	180.204	-0.228	5.602	13.028	-5916.65
9078_9079	9078	9079	-227.694	-146.379	0.228	-5.602	-10.485	7592.893
9079_9079	9079	9079	227.694	146.389	-0.177	-3.557	10.485	-7592.89
9079_9080	9079	9080	-200.135	-112.535	0.177	3.557	-8.509	8911.775
9080_9080	9080	9080	200.135	94.164	-0.103	0.684	8.509	-8911.77
9080_9081	9080	9081	-174.901	-60.314	0.103	-0.684	-7.363	9657.366
9081_9081	9081	9081	174.901	60.324	-0.103	0.684	7.363	-9657.37
9081_9082	9081	9082	-154.117	-26.474	0.103	-0.684	-6.218	10044.11
9082_9082	9082	9082	154.116	6.963	-0.113	4.378	6.218	-10044.1
9082_9083	9082	9083	-134.01	29.433	0.113	-4.378	-4.856	9813.61
9083_9083	9083	9083	134.009	-29.422	-0.071	-4.192	4.856	-9813.61
9083_9084	9083	9084	-119.058	65.787	0.071	4.192	-4.005	9169.011
9084_9084	9084	9084	119.059	-85.372	0.024	3.434	4.005	-9169.02
9084_9085	9084	9085	-107.19	119.214	-0.024	-3.434	-4.277	7967.397
9085_9085	9085	9085	107.19	-119.204	0.073	-4.275	4.277	-7967.4
9085_9086	9085	9086	-99.77	153.045	-0.073	4.275	-5.087	6407.168
9086_9086	9086	9086	99.769	-171.898	-0.057	1.204	5.087	-6407.16
9086_9087	9086	9087	-94.402	205.768	0.057	-1.204	-4.45	4265.54
9087_9087	9087	9087	94.401	-205.758	-0.011	-2.718	4.45	-4265.54
9087_9088	9087	9088	-93.487	239.596	0.011	2.718	-4.327	1767.164
9088_9088	9088	9088	93.485	-257.292	-0.199	-1.721	4.327	-1767.15
9088_9089	9088	9089	-95.901	297.257	0.199	1.721	-1.709	-1888.38
9089_9089	9089	9089	99.855	-296.126	-0.188	-0.364	1.338	1913.656
9089_9090	9089	9090	-103.915	321.116	0.188	0.37	0.218	-4454.31
9090_9090	9090	9090	111.51	-341.765	-0.414	-6.31	-0.424	4454.802
9090_9091	9090	9091	-121.11	377.645	0.414	6.291	5.288	-8654.61
9091_9091	9091	9091	120.933	-375.263	-1.408	3.498	0.848	8713.11
9091_9092	9091	9092	-135.064	419.238	1.408	-3.47	17.845	-13929.6
9092_9092	9092	9092	148.538	-436.505	1.307	-24.363	-20.266	13931.08
9092_9093	9092	9093	-160.538	479.795	-1.307	24.305	3.855	-19616.5
9093_9093	9093	9093	173.645	-476.145	1.44	23.18	1.02	19619.21
9093_9094	9093	9094	-184.531	521.774	-1.44	-23.246	-19.149	-25822.6
9094_9094	9094	9094	-2071.03	217.054	-13.84	-4.237	205.068	6873.653
9094_9095	9094	9095	2092.421	-186.915	13.84	4.237	-73.626	-5042.65
9095_9095	9095	9095	-2094.46	186.984	-10.298	3.806	72.575	5052.508
9095_9096	9095	9096	2109.038	-162.957	10.298	-3.806	7.293	-3755.23
9096_9096	9096	9096	-2109.04	162.962	-10.405	3.614	-7.293	3755.232
9096_9097	9096	9097	2121.601	-138.966	10.405	-3.614	87.888	-2637.59
9097_9097	9097	9097	-2121.64	121.063	1.905	-1.663	-87.888	2637.547
9097_9098	9097	9098	2132.44	-96.262	-1.905	1.663	72.638	-1812.35
9098_9098	9098	9098	-2132.44	96.267	4.579	1.047	-72.638	1812.345
9098_9099	9098	9099	2141.094	-71.498	-4.579	-1.047	36.027	-1177.82
9099_9099	9099	9099	-2141.09	71.503	4.676	1.121	-36.027	1177.816
9099_9100	9099	9100	2147.628	-46.704	-4.676	-1.121	-1.407	-732.333
9100_9100	9100	9100	-2147.61	31.68	-0.747	-0.642	1.407	732.324

9100_9101	9100	9101	2151.439	-13.081	0.747	0.642	3.078	-614.409
9101_9101	9101	9101	-2151.44	13.085	-0.87	-0.711	-3.078	614.409
9101_9102	9101	9102	2154.061	5.483	0.87	0.711	8.294	-603.262
9102_9102	9102	9102	-2154.06	-5.479	-0.747	-0.641	-8.294	603.262
9102_9103	9102	9103	2155.487	24.078	0.747	0.641	12.779	-698.847
9103_9103	9103	9103	-2155.49	-24.074	2.949	1.681	-12.779	698.846
9103_9104	9103	9104	2155.711	42.672	-2.949	-1.681	-4.923	-901.256
9104_9104	9104	9104	-2155.73	-57.621	-5.808	-2.182	4.923	901.265
9104_9105	9104	9105	2154.607	82.387	5.808	2.182	41.506	-1457.98
9105_9105	9105	9105	-2154.61	-82.382	-2.949	0.636	-41.506	1457.978
9105_9106	9105	9106	2151.36	107.178	2.949	-0.636	65.109	-2205.15
9106_9106	9106	9106	-2151.36	-107.172	-3.032	0.526	-65.109	2205.147
9106_9107	9106	9107	2145.98	131.937	3.032	-0.526	89.348	-3140.92
9107_9107	9107	9107	-2145.95	-149.535	9.243	-3.256	-89.348	3140.959
9107_9108	9107	9108	2138.719	173.555	-9.243	3.256	17.684	-4366.12
9108_9108	9108	9108	-2138.72	-173.55	9.243	-3.256	-17.684	4366.124
9108_9109	9108	9109	2129.483	197.57	-9.243	3.256	-53.981	-5769.49
9109_9109	9109	9109	-2129.34	-197.517	11.54	3.261	54.115	5768.827
9109_9110	9109	9110	2114.794	227.677	-11.54	-3.261	-163.784	-7733.17
9110_9110	9110	9110	146.737	511.292	-1.497	-17.293	17.101	26744.43
9110_9111	9110	9111	-124.015	-465.821	1.497	17.24	1.741	-20733.6
9111_9111	9111	9111	110.987	465.495	-1.387	18.22	-5.378	20731.51
9111_9112	9111	9112	-85.635	-422.361	1.387	-18.267	22.788	-15275.7
9112_9112	9112	9112	72.755	406.215	1.622	-1.754	-21.009	15274.8
9112_9113	9112	9113	-42.313	-362.42	-1.622	1.786	-0.508	-10290.8
9113_9113	9113	9113	428.907	359.788	0.907	4.375	2.252	8159.527
9113_9114	9113	9114	-413.519	-323.853	-0.907	-4.38	-12.919	-4272.2
9114_9114	9114	9114	406.539	307.145	-0.126	1.006	13.037	4272.984
9114_9115	9114	9115	-380.252	-282.25	0.126	-1.006	-11.998	-1966.7
9115_9115	9115	9115	429.222	283.808	-0.112	0.648	11.603	1589.413
9115_9116	9115	9116	-367.691	-244.421	0.112	-0.648	-10.064	1753.226
9116_9116	9116	9116	367.694	226.111	-0.222	6.902	10.064	-1753.24
9116_9117	9116	9117	-321.512	-194.051	0.222	-6.902	-7.582	3887.976
9117_9117	9117	9117	321.512	194.065	-0.101	-5.848	7.582	-3887.97
9117_9118	9117	9118	-280.11	-161.977	0.101	5.848	-6.448	5686.959
9118_9118	9118	9118	280.11	143.279	-0.438	8.747	6.448	-5686.96
9118_9119	9118	9119	-240.997	-111.22	0.438	-8.747	-1.561	6927.338
9119_9119	9119	9119	240.997	111.234	-0.317	-8.048	1.561	-6927.34
9119_9120	9119	9120	-206.67	-79.147	0.317	8.048	1.98	7831.215
9120_9120	9120	9120	206.669	59.994	-0.025	8.256	-1.98	-7831.23
9120_9121	9120	9121	-172.067	-25.552	0.025	-8.256	2.282	8182.638
9121_9121	9121	9121	172.067	25.568	0.087	-8.226	-2.282	-8182.64
9121_9122	9121	9122	-142.998	8.902	-0.087	8.226	1.236	8144.751
9122_9122	9122	9122	142.999	-28.172	-0.233	11.148	-1.236	-8144.75
9122_9123	9122	9123	-117.725	60.258	0.233	-11.148	3.84	7530.151
9123_9123	9123	9123	117.724	-60.244	-0.053	-11.718	-3.84	-7530.15
9123_9124	9123	9124	-97.272	92.329	0.053	11.718	4.437	6577.892
9124_9124	9124	9124	97.272	-113.624	-0.286	4.449	-4.437	-6577.9
9124_9125	9124	9125	-82.104	145.68	0.286	-4.449	7.633	5053.434
9125_9125	9125	9125	82.103	-145.665	-0.166	-5.452	-7.633	-5053.44
9125_9126	9125	9126	-71.74	177.75	0.166	5.452	9.487	3190.117
9126_9126	9126	9126	71.739	-194.329	0.592	-0.148	-9.487	-3190.11
9126_9127	9126	9127	-62.363	232.789	-0.592	0.148	1.554	275.144
9127_9127	9127	9127	65.964	-231.76	0.658	-0.791	-1.902	-261.413
9127_9128	9127	9128	-63.332	254.927	-0.658	0.797	-3.524	-1767.8

9128_9128	9128	9128	69.407	-270.198	-3.189	-4.69	3.386	1768.54
9128_9129	9128	9129	-69.379	303.587	3.189	4.665	34.104	-5169.44
9129_9129	9129	9129	71.051	-301.14	-4.986	7.23	-38.114	5207.607
9129_9130	9129	9130	-82.567	343.956	4.986	-7.185	104.309	-9472.84
9130_9130	9130	9130	95.157	-377.91	9.36	-5.834	-105.493	9475.097
9130_9131	9130	9131	-119.062	420.094	-9.36	5.741	-11.978	-14385.8
9131_9131	9131	9131	130.464	-416.565	9.417	6.129	13.245	14389.04
9131_9132	9131	9132	-151.316	461.129	-9.417	-6.233	-131.873	-19809.2
9132_9132	9132	9132	-1674.21	209.404	3.463	2.361	-25.785	5272.431
9132_9133	9132	9133	1697.574	-180.019	-3.463	-2.361	-7.109	-3517.95
9133_9133	9133	9133	-1700.4	179.93	1.001	-2.644	7.839	3531.693
9133_9134	9133	9134	1718.12	-157.683	-1.001	2.644	-15.594	-2296.08
9134_9134	9134	9134	-1718.11	157.692	3.41	0.798	15.594	2296.078
9134_9135	9134	9135	1733.537	-135.445	-3.41	-0.798	-42.018	-1223.69
9135_9135	9135	9135	-1733.54	116.447	0.372	-0.919	42.018	1223.685
9135_9136	9135	9136	1746.607	-93.483	-0.372	0.919	-44.991	-438.155
9136_9136	9136	9136	-1746.61	93.492	2.705	0.393	44.991	438.155
9136_9137	9136	9137	1757.228	-70.528	-2.705	-0.393	-66.634	173.449
9137_9137	9137	9137	-1757.23	70.537	2.705	0.393	66.634	-173.449
9137_9138	9137	9138	1765.41	-47.572	-2.705	-0.393	-88.277	611.129
9138_9138	9138	9138	-1765.41	30.881	-4.609	-0.218	88.277	-611.134
9138_9139	9138	9139	1770.414	-13.657	4.609	0.218	-60.622	723.198
9139_9139	9139	9139	-1770.42	13.664	-1.497	-0.006	60.622	-723.199
9139_9140	9139	9140	1774.052	3.559	1.497	0.006	-51.637	737.43
9140_9140	9140	9140	-1774.05	-3.553	-1.497	-0.006	51.637	-737.43
9140_9141	9140	9141	1776.312	20.776	1.497	0.006	-42.652	653.828
9141_9141	9141	9141	-1776.31	-20.769	-4.609	-0.479	42.652	-653.828
9141_9142	9141	9142	1777.195	37.992	4.609	0.479	-14.997	472.393
9142_9142	9142	9142	-1777.2	-57.782	-1.612	-0.118	14.997	-472.388
9142_9143	9142	9143	1774.482	80.746	1.612	0.118	-2.099	-73.023
9143_9143	9143	9143	-1774.48	-80.737	-3.946	-1.442	2.099	73.023
9143_9144	9143	9144	1769.319	103.701	3.946	1.442	29.468	-792.358
9144_9144	9144	9144	-1769.32	-103.692	-1.612	0.785	-29.468	792.358
9144_9145	9144	9145	1761.723	126.657	1.612	-0.785	42.366	-1685.62
9145_9145	9145	9145	-1761.72	-143.015	2.133	0.817	-42.366	1685.617
9145_9146	9145	9146	1752.064	165.262	-2.133	-0.817	25.832	-2843.79
9146_9146	9146	9146	-1752.06	-165.253	-0.276	-4.081	-25.832	2843.793
9146_9147	9146	9147	1740.117	187.5	0.276	4.081	27.969	-4165.2
9147_9147	9147	9147	-1731.75	-187.569	2.119	2.437	-28.032	4124.389
9147_9148	9147	9148	1714.482	216.952	-2.119	-2.437	7.905	-5979.27
9148_9148	9148	9148	110.947	420.162	0.221	0.238	-20.757	20545.63
9148_9149	9148	9149	-84.648	-375.801	-0.221	-0.278	17.98	-15663.3
9149_9149	9149	9149	74.342	378.782	0.221	0.77	-17.965	15660.82
9149_9150	9149	9150	-44.106	-336.782	-0.221	-0.806	15.196	-11288.7
9150_9150	9150	9150	33.877	325.491	-0.71	0.234	-15.107	11287.18
9150_9151	9150	9151	-0.492	-282.827	0.71	-0.225	24.525	-7358.18
9151_9151	9151	9151	479.535	278.372	0.171	0.654	-13.972	4741.487
9151_9152	9151	9152	-462.062	-244.475	-0.171	-0.63	11.956	-1816.27
9152_9152	9152	9152	456.826	230.31	0.389	-1.765	-11.915	1816.768
9152_9153	9152	9153	-426.493	-206.864	-0.389	1.762	8.704	-157.433
9153_9153	9153	9153	452.825	208.807	0.314	1.137	-8.541	18.125
9153_9154	9153	9154	-386.408	-170.759	-0.314	-1.137	4.229	2310.437
9154_9154	9154	9154	386.412	152.795	-0.071	3.147	-4.229	-2310.46
9154_9155	9154	9155	-337.281	-122.357	0.071	-3.147	5.007	3614.993
9155_9155	9155	9155	337.281	122.377	-0.002	-2.825	-5.007	-3614.99

9155_9156	9155	9156	-293.261	-91.939	0.002	2.825	5.031	4605.23
9156_9156	9156	9156	293.262	73.951	0.076	3.645	-5.031	-4605.24
9156_9157	9156	9157	-255.349	-46.28	-0.076	-3.645	4.274	5043.247
9157_9157	9157	9157	255.349	46.298	0.151	-3.57	-4.274	-5043.25
9157_9158	9157	9158	-221.66	-18.627	-0.151	3.57	2.763	5221.509
9158_9158	9158	9158	221.66	1.248	0.01	3.14	-2.763	-5221.51
9158_9159	9158	9159	-189.787	26.423	-0.01	-3.14	2.662	4956.37
9159_9159	9159	9159	189.787	-26.404	0.085	-3.306	-2.662	-4956.37
9159_9160	9159	9160	-162.137	54.075	-0.085	3.306	1.808	4431.482
9160_9160	9160	9160	162.135	-71.685	0.182	-0.198	-1.808	-4431.48
9160_9161	9160	9161	-134	102.096	-0.182	0.198	-0.195	3350.739
9161_9161	9161	9161	134	-105.399	0.182	-0.201	0.195	-3350.74
9161_9162	9161	9162	-114.73	135.838	-0.182	0.201	-2.2	1933.332
9162_9162	9162	9162	114.726	-151.996	-0.038	-0.17	2.2	-1933.31
9162_9163	9162	9163	-94.714	190.044	0.038	0.17	-1.677	-515.551
9163_9163	9163	9163	98.056	-188.828	-0.116	-0.526	1.807	510.351
9163_9164	9163	9164	-90.228	212.303	0.116	0.53	-0.853	-2209.22
9164_9164	9164	9164	95.361	-226.302	0.254	1.393	0.908	2210.021
9164_9165	9164	9165	-88.176	260.107	-0.254	-1.399	-3.896	-5125.92
9165_9165	9165	9165	84.249	-257.117	-0.886	-2.971	10.43	5187.98
9165_9166	9165	9166	-88.525	299.637	0.886	3.007	1.333	-8907.58
9166_9166	9166	9166	98.347	-311.75	0.499	-5.862	-1.678	8909.966
9166_9167	9166	9167	-108.099	353.583	-0.499	5.817	-4.584	-13086.2
9167_9167	9167	9167	117.854	-349.673	0.562	5.421	5.753	13089.7
9167_9168	9167	9168	-131.109	393.8	-0.562	-5.472	-12.834	-17748.4
9168_9168	9168	9168	-1508.01	218.456	-2.457	-1.029	36.886	5176.8
9168_9169	9168	9169	1533.917	-189.269	2.457	1.029	-13.544	-3345.23
9169_9169	9169	9169	-1538.13	189.208	-0.691	2.694	14.677	3365.739
9169_9170	9169	9170	1557.498	-166.889	0.691	-2.694	-9.323	-2064.81
9170_9170	9170	9170	-1557.5	166.902	-2.965	-0.473	9.323	2064.809
9170_9171	9170	9171	1574.476	-144.583	2.965	0.473	13.659	-927.233
9171_9171	9171	9171	-1574.47	127.158	1.463	0.702	-13.659	927.233
9171_9172	9171	9172	1589.289	-104.119	-1.463	-0.702	1.954	-62.984
9172_9172	9172	9172	-1589.29	104.132	-0.74	-0.159	-1.954	62.984
9172_9173	9172	9173	1601.551	-81.093	0.74	0.159	7.876	627.202
9173_9173	9173	9173	-1601.55	81.106	1.463	-0.038	-7.876	-627.201
9173_9174	9173	9174	1611.26	-58.067	-1.463	0.038	-3.829	1143.322
9174_9174	9174	9174	-1611.26	41.209	0.857	-0.182	3.829	-1143.33
9174_9175	9174	9175	1617.345	-23.929	-0.857	0.182	-8.974	1313.064
9175_9175	9175	9175	-1617.34	23.94	-2.08	0.568	8.974	-1313.06
9175_9176	9175	9176	1621.995	-6.66	2.08	-0.568	3.508	1384.886
9176_9176	9176	9176	-1622	6.67	0.857	-0.222	-3.508	-1384.89
9176_9177	9176	9177	1625.212	10.609	-0.857	0.222	-1.637	1358.799
9177_9177	9177	9177	-1625.21	-10.599	0.857	-0.222	1.637	-1358.8
9177_9178	9177	9178	1626.992	27.879	-0.857	0.222	-6.782	1234.799
9178_9178	9178	9178	-1626.99	-44.712	-1.885	-0.011	6.782	-1234.79
9178_9179	9178	9179	1627.758	67.751	1.885	0.011	8.295	779.91
9179_9179	9179	9179	-1627.76	-67.738	0.319	0.283	-8.295	-779.911
9179_9180	9179	9180	1625.972	90.777	-0.319	-0.283	5.746	150.967
9180_9180	9180	9180	-1625.97	-90.763	-1.885	-0.821	-5.746	-150.967
9180_9181	9180	9181	1621.633	113.803	1.885	0.821	20.823	-652.042
9181_9181	9181	9181	-1621.63	-130.847	3.226	1.011	-20.823	652.04
9181_9182	9181	9182	1614.928	153.166	-3.226	-1.011	-4.177	-1727.86
9182_9182	9182	9182	-1614.93	-156.495	3.226	1.011	4.177	1727.856
9182_9183	9182	9183	1603.311	178.815	-3.226	-1.011	-29.177	-2982.93

9183_9183	9183	9183	-1593.55	-178.846	1.315	-3.218	28.651	2935.291
9183_9184	9183	9184	1576.249	208.03	-1.315	3.218	-41.147	-4706.29
9184_9184	9184	9184	97.793	400.156	-0.916	-5.699	5.574	17125.86
9184_9185	9184	9185	-64.532	-356.263	0.916	5.653	5.963	-12480.9
9185_9185	9185	9185	54.708	360.219	-0.85	6.361	-7.187	12478.01
9185_9186	9185	9186	-18.26	-318.67	0.85	-6.403	17.852	-8324.02
9186_9186	9186	9186	8.432	307.288	1.199	0.441	-17.264	8322.255
9186_9187	9186	9187	28.906	-265.038	-1.199	-0.404	1.352	-4616.29
9187_9187	9187	9187	422.663	262.199	0.154	0.673	-6.196	2148.85
9187_9188	9187	9188	-405.049	-227.751	-0.154	-0.674	4.384	598.953
9188_9188	9188	9188	400.138	212.493	0.17	-2.252	-4.337	-598.196
9188_9189	9188	9189	-372.639	-188.629	-0.17	2.256	2.934	2123.521
9189_9189	9189	9189	387.264	190.829	0.129	2.287	-3.065	-2129.31
9189_9190	9189	9190	-330.739	-150.625	-0.129	-2.287	1.287	4243.931
9190_9190	9190	9190	330.743	132.076	-0.008	-3.511	-1.287	-4243.95
9190_9191	9190	9191	-289.296	-99.913	0.008	3.511	1.378	5347.909
9191_9191	9191	9191	289.295	99.934	-0.075	4.128	-1.378	-5347.91
9191_9192	9191	9192	-252.867	-67.771	0.075	-4.128	2.204	6117.496
9192_9192	9192	9192	252.869	48.913	-0.014	4.379	-2.204	-6117.5
9192_9193	9192	9193	-222.218	-19.82	0.014	-4.379	2.341	6329.917
9193_9193	9193	9193	222.218	19.839	0.06	-4.21	-2.341	-6329.92
9193_9194	9193	9194	-195.675	9.254	-0.06	4.21	1.744	6268.747
9194_9194	9194	9194	195.676	-27.799	-0.004	3.524	-1.744	-6268.75
9194_9195	9194	9195	-171.215	56.892	0.004	-3.524	1.785	5741.441
9195_9195	9195	9195	171.215	-56.873	0.07	-3.74	-1.785	-5741.44
9195_9196	9195	9196	-150.879	85.937	-0.07	3.74	1.093	4941.494
9196_9196	9196	9196	150.876	-105.09	0.068	1.642	-1.093	-4941.48
9196_9197	9196	9197	-131.098	137.253	-0.068	-1.642	0.344	3519.158
9197_9197	9197	9197	131.097	-137.232	0.135	-2.278	-0.344	-3519.16
9197_9198	9197	9198	-116.338	169.395	-0.135	2.278	-1.138	1762.462
9198_9198	9198	9198	116.326	-191.103	0.026	-0.67	1.138	-1762.42
9198_9199	9198	9199	-107.172	231.336	-0.026	0.67	-1.493	-1196.44
9199_9199	9199	9199	109.307	-229.87	0.097	0.218	1.606	1168.962
9199_9200	9199	9200	-107.051	254.635	-0.097	-0.211	-2.405	-3190.98
9200_9200	9200	9200	113.261	-270.712	-0.971	-0.803	2.379	3192.052
9200_9201	9200	9201	-113.895	306.351	0.971	0.77	9.04	-6610.19
9201_9201	9201	9201	116.604	-302.422	-3.025	-0.437	-1.11	6646.649
9201_9202	9201	9202	-129.448	348.311	3.025	0.489	41.265	-10944.4
9202_9202	9202	9202	140.964	-363.406	2.635	5.229	-40.852	10947.54
9202_9203	9202	9203	-155.387	408.427	-2.635	-5.275	7.774	-15755.2
9203_9203	9203	9203	166.605	-403.625	2.573	-8.152	-9.24	15759.7
9203_9204	9203	9204	-181.839	450.946	-2.573	8.101	-23.149	-21087.9
9204_9204	9204	9204	-1800.06	237.008	-12.447	-3.083	241.773	6202.982
9204_9205	9204	9205	1824.048	-205.41	12.447	3.083	-123.53	-4201.4
9205_9205	9205	9205	-1824.95	205.37	-10.326	2.995	124.777	3982.088
9205_9206	9205	9206	1842.606	-181.081	10.326	-2.995	-44.752	-2556.23
9206_9206	9206	9206	-1842.61	181.094	-10.326	2.995	44.752	2556.232
9206_9207	9206	9207	1857.973	-156.805	10.326	-2.995	35.272	-1309.41
9207_9207	9207	9207	-1858.01	137.105	-3.121	-0.704	-35.272	1309.412
9207_9208	9207	9208	1871.363	-112.033	3.121	0.704	60.241	-367.426
9208_9208	9208	9208	-1871.36	112.047	-0.534	0.736	-60.241	367.426
9208_9209	9208	9209	1882.276	-86.974	0.534	-0.736	64.509	383.785
9209_9209	9209	9209	-1882.27	86.988	2.054	1.362	-64.509	-383.787
9209_9210	9209	9210	1890.745	-61.916	-2.054	-1.362	48.077	944.223
9210_9210	9210	9210	-1890.71	44.207	-5.25	0.444	-48.077	-944.232

9210_9211	9210	9211	1895.817	-25.403	5.25	-0.444	79.578	1131.646
9211_9211	9211	9211	-1895.82	25.413	-1.8	0.265	-79.578	-1131.65
9211_9212	9211	9212	1899.555	-6.608	1.8	-0.265	90.379	1211.751
9212_9212	9212	9212	-1899.56	6.619	1.65	0.032	-90.379	-1211.75
9212_9213	9212	9213	1901.915	12.186	-1.65	-0.032	80.48	1184.541
9213_9213	9213	9213	-1901.91	-12.176	5.1	-0.091	-80.48	-1184.54
9213_9214	9213	9214	1902.897	30.981	-5.1	0.091	49.88	1050.012
9214_9214	9214	9214	-1902.96	-48.389	-6.702	-2.332	-49.88	-1050.01
9214_9215	9214	9215	1902.634	73.431	6.702	2.332	103.434	563.116
9215_9215	9215	9215	-1902.64	-73.418	-1.554	-0.817	-103.434	-563.117
9215_9216	9215	9216	1899.877	98.492	1.554	0.817	115.863	-115.079
9216_9216	9216	9216	-1899.87	-98.478	3.621	2.44	-115.863	115.077
9216_9217	9216	9217	1894.666	123.553	-3.621	-2.44	86.893	-984.11
9217_9217	9217	9217	-1894.62	-143.45	11.181	-10.952	-86.893	984.229
9217_9218	9217	9218	1887.224	167.743	-11.181	10.952	0.226	-2162.35
9218_9218	9218	9218	-1887.17	-167.729	19.192	1.969	-0.226	2162.357
9218_9219	9218	9219	1877.479	192.023	-19.192	-1.969	-148.54	-3519.67
9219_9219	9219	9219	-1871.88	-195.406	20.031	6.318	148.602	3722.076
9219_9220	9219	9220	1854.078	227.008	-20.031	-6.318	-338.94	-5657.74
9220_9220	9220	9220	170.607	443.056	-3.052	-27.307	23.633	20463.07
9220_9221	9220	9221	-142.985	-395.989	3.052	27.27	14.766	-15288.2
9221_9221	9221	9221	131.981	401.316	-2.866	29.723	-20.646	15284.54
9221_9222	9221	9222	-101.839	-356.537	2.866	-29.756	56.634	-10622
9222_9222	9222	9222	90.48	338.053	4.611	-0.854	-53.774	10621.06
9222_9223	9222	9223	-59.642	-292.416	-4.611	0.891	-7.419	-6520.17
9223_9223	9223	9223	481.706	290.901	2.131	2.828	-25.958	4157.961
9223_9224	9223	9224	-463.525	-254.662	-2.131	-2.871	0.911	-1091.7
9224_9224	9224	9224	457.811	236.168	0.459	8.771	-0.914	1093.24
9224_9225	9224	9225	-430.963	-211.012	-0.459	-8.761	-2.879	622.143
9225_9225	9225	9225	404.755	213.959	0.632	-5.773	3.653	-446.287
9225_9226	9225	9226	-352.308	-168.364	-0.632	5.773	-12.808	2991.869
9226_9226	9226	9226	352.365	148.128	0.283	9.541	12.808	-2992.21
9226_9227	9226	9227	-316.946	-112.328	-0.283	-9.541	-16.021	4321.472
9227_9227	9227	9227	316.947	112.349	0.443	-8.706	16.021	-4321.47
9227_9228	9227	9228	-286.533	-76.544	-0.443	8.706	-21.055	5263.84
9228_9228	9228	9228	286.534	58.13	0.112	9.672	21.055	-5264.03
9228_9229	9228	9229	-260.352	-22.349	-0.112	-9.672	-22.33	5606.692
9229_9229	9229	9229	260.351	22.37	0.272	-10.155	22.33	-5606.69
9229_9230	9229	9230	-239.168	13.417	-0.272	10.155	-25.425	5562.736
9230_9230	9230	9230	239.126	-32.475	2.576	10.17	25.425	-5562.49
9230_9231	9230	9231	-221.329	70.382	-2.576	-10.17	-56.445	4861.435
9231_9231	9231	9231	221.349	-70.362	2.716	-4.118	56.445	-4861.48
9231_9232	9231	9232	-211.733	98.623	-2.716	4.118	-80.829	4056.513
9232_9232	9232	9232	214.848	-97.576	3.458	-24.911	91.546	-4068.51
9232_9233	9232	9233	-211.886	107.44	-3.458	24.919	-102.185	3738.363
9233_9233	9233	9233	213.879	-126.684	-7.122	3.597	102.396	-3737.85
9233_9234	9233	9234	-205.057	157.392	7.122	-3.739	-34.508	2337.581
9234_9234	9234	9234	207.949	-153.915	-6.964	-5.717	34.253	-2336.79
9234_9235	9234	9235	-201.479	177.959	6.964	5.506	17.222	1071.608
9235_9235	9235	9235	199.121	-175.211	-8.013	-10.5	-23.071	-1043.59
9235_9236	9235	9236	-197.175	198.934	8.013	10.231	73.013	-141.855
9236_9236	9236	9236	201.63	-215.388	11.941	-5.693	-72.959	143.495
9236_9237	9236	9237	-201.625	253.653	-11.941	6.471	-44.836	-2479.08
9237_9237	9237	9237	158.627	-250.562	12.094	2.312	103.091	2790.728
9237_9238	9237	9238	-167.573	288.151	-12.094	-1.352	-216.39	-5313.51

9238_9238	9238	9238	177.046	-306.971	-7.896	-12.36	215.328	5315.36
9238_9239	9238	9239	-186.264	344.129	7.896	11.872	-144.376	-8238.88
9239_9239	9239	9239	191.006	-341.131	-7.784	6.252	146.729	8241.821
9239_9240	9239	9240	-195.4	357.812	7.784	-6.476	-116.063	-9616.54
9240_9240	9240	9240	-1322.46	287.433	13.174	12.258	648.898	2489.138
9240_9241	9240	9241	1333.471	-263.732	-13.174	-12.258	-732.305	-788.949
9241_9241	9241	9241	-1331.58	221.38	-32.134	-0.573	732.305	789.037
9241_9242	9241	9242	1337.565	-209.548	32.134	0.573	-630.74	-132.307
9242_9242	9242	9242	-1335.54	209.542	-29.201	0.721	632.515	122.256
9242_9243	9242	9243	1356.077	-163.931	29.201	-0.721	-271.772	2100.941
9243_9243	9243	9243	-1356.14	163.948	-25.063	-2.755	271.772	-2100.98
9243_9244	9243	9244	1367.875	-130.779	25.063	2.755	-46.606	3376.709
9244_9244	9244	9244	-1367.52	109.861	-29.781	6.561	46.606	-3376.1
9244_9245	9244	9245	1380.236	-71.27	29.781	-6.561	264.676	4270.279
9245_9245	9245	9245	-1380.31	71.286	-25.439	-2.414	-264.676	-4270.3
9245_9246	9245	9246	1388.463	-37.431	25.439	2.414	497.935	4734.661
9246_9246	9246	9246	-1388.89	21.868	-9.578	6.889	-497.935	-4733.86
9246_9247	9246	9247	1395.142	17.078	9.578	-6.889	598.971	4732.393
9247_9247	9247	9247	-1395.16	-17.062	-4.364	-4.806	-598.971	-4732.41
9247_9248	9247	9248	1397.575	50.603	4.364	4.806	638.621	4413.855
9248_9248	9248	9248	-1397.63	-67.369	1.056	3.172	-638.621	-4413.37
9248_9249	9248	9249	1397.718	102.402	-1.056	-3.172	628.598	3605.896
9249_9249	9249	9249	-1397.71	-102.387	4.88	-2.41	-628.598	-3605.89
9249_9250	9249	9250	1394.485	139.804	-4.88	2.41	579.14	2389.683
9250_9250	9250	9250	-1394.61	-156.159	19.63	-1.759	-579.14	-2389.51
9250_9251	9250	9251	1388.645	192.626	-19.63	1.759	385.253	688.966
9251_9251	9251	9251	-1388.6	-192.61	23.462	-0.143	-385.253	-688.966
9251_9252	9251	9252	1379.516	228.604	-23.462	0.143	156.524	-1329.87
9252_9252	9252	9252	-1379.16	-256.204	3.132	-61.435	-156.524	1328.88
9252_9253	9252	9253	1376.029	267.869	-3.132	61.435	146.63	-2144.85
9253_9253	9253	9253	-1373.73	-267.855	6.02	-54.969	-146.815	2133.872
9253_9254	9253	9254	1362.25	303.414	-6.02	54.969	89.618	-4803.49
9254_9254	9254	9254	169.706	336.247	-27.423	65.624	104.82	12298.69
9254_9255	9254	9255	-146.012	-286.713	27.423	-65.908	222.157	-8643.34
9255_9255	9255	9255	134.72	250.591	21.571	-13.408	-212.619	8638.57
9255_9256	9255	9256	-113.151	-207.905	-21.571	13.518	-17.809	-6235.26
9256_9256	9256	9256	108.241	212.384	21.74	16.922	15.368	6233.048
9256_9257	9256	9257	-87.466	-169.647	-21.74	-16.829	-254.715	-4168.14
9257_9257	9257	9257	83.396	148.337	-9.57	-7.542	255.989	4166.933
9257_9258	9257	9258	-74.924	-129.998	9.57	7.537	-210.013	-3513.51
9258_9258	9258	9258	30.473	133.35	-9.525	-1.848	210.19	3737.31
9258_9259	9258	9259	-15.478	-100.348	9.525	1.842	-113.911	-2578.19
9259_9259	9259	9259	13.588	102.863	-9.4	9.441	113.651	2577.538
9259_9260	9259	9260	-9.228	-81.009	9.4	-9.443	-50.416	-1961.01
9260_9260	9260	9260	390.257	60.425	-0.338	17.873	6.625	103.133
9260_9261	9260	9261	-397.796	-49.91	0.338	-17.87	-5.555	105.375
9261_9261	9261	9261	414.375	51.397	0.13	5.624	2.937	-292.461
9261_9262	9261	9262	-442.617	-13.912	-0.13	-5.624	-4.43	805.332
9262_9262	9262	9262	442.616	13.934	0.471	-9.43	4.43	-805.33
9262_9263	9262	9263	-471.157	18.351	-0.471	9.43	-9.075	920.708
9263_9263	9263	9263	471.191	-43.765	0.962	4.876	9.075	-920.691
9263_9264	9263	9264	-511.254	82.179	-0.962	-4.876	-20.369	371.135
9264_9264	9264	9264	511.255	-82.155	1.156	-4.78	20.369	-371.132
9264_9265	9264	9265	-555.071	119.157	-1.156	4.78	-33.452	-562.539
9265_9265	9265	9265	555.115	-141.571	0.717	2.655	33.452	562.718

9265_9266	9265	9266	-606.322	180.054	-0.717	-2.655	-41.888	-2217.08
9266_9266	9266	9266	606.323	-180.03	0.901	-4.125	41.888	2217.08
9266_9267	9266	9267	-660.69	216.968	-0.901	4.125	-52.062	-4208.67
9267_9267	9267	9267	660.81	-241.047	1.785	-0.883	52.062	4209.487
9267_9268	9267	9268	-696.088	262.922	-1.785	0.883	-63.997	-5733
9268_9268	9268	9268	696.09	-262.908	1.845	-1.737	63.997	5733.007
9268_9269	9268	9269	-733.392	284.916	-1.845	1.737	-76.414	-7405.8
9269_9269	9269	9269	664.899	-281.03	1.971	-3.131	72.259	7939.205
9269_9270	9269	9270	-695.123	314.913	-1.971	3.125	-91.255	-10650.6
9270_9270	9270	9270	702.474	-331.49	-2.965	-11.689	90.902	10651.68
9270_9271	9270	9271	-702.77	368.57	2.965	11.705	-60.131	-14190.9
9271_9271	9271	9271	610.369	-364.389	-2.745	-2.648	53.156	14776.86
9271_9272	9271	9272	-596.481	397.557	2.745	2.664	-30.763	-17858.5
9272_9272	9272	9272	602.011	-393.406	-2.523	20.817	32.413	17858.03
9272_9273	9272	9273	-588.803	414.8	2.523	-20.809	-19.39	-19939.6
9273_9273	9273	9273	598.969	-437.714	4.647	-38.399	14.527	19942.63
9273_9274	9273	9274	-563.778	488.633	-4.647	37.959	-70.043	-25474.8
9274_9274	9274	9274	577.11	-484.323	4.998	22.866	76.28	25475.1
9274_9275	9274	9275	-539.184	542.948	-4.998	-23.446	-142.034	-32235.2
9275_9275	9275	9275	-2015.43	346.52	-50.32	-3.473	1068.888	10540.82
9275_9276	9275	9276	2059.034	-327.441	50.32	3.473	-823.186	-9078.85
9276_9276	9276	9276	-2059.09	327.449	-47.924	1.524	823.186	9078.867
9276_9277	9276	9277	2099.62	-309.398	47.924	-1.524	-601.785	-7778.54
9277_9277	9277	9277	-2067.8	309.273	-44.352	3.642	601.413	7808.368
9277_9278	9277	9278	2151.923	-275.517	44.352	-3.642	-192.85	-5479.07
9278_9278	9278	9278	-2445.9	264.728	-26.946	-11.137	248.058	6905.813
9278_9279	9278	9279	2463.369	-223.406	26.946	11.137	56.659	-4217.29
9279_9279	9279	9279	-2463.45	223.426	-15.793	9.735	-56.659	4217.281
9279_9280	9279	9280	2476.9	-180.845	15.793	-9.735	240.693	-1917.4
9280_9280	9280	9280	-2477.42	154.668	-24.386	-2.84	-240.693	1918.006
9280_9281	9280	9281	2485.828	-111.881	24.386	2.84	526.226	-392.301
9281_9281	9281	9281	-2485.91	111.901	-13.899	2.335	-526.226	392.3
9281_9282	9281	9282	2489.673	-68.263	13.899	-2.335	692.21	667.064
9282_9282	9282	9282	-2521.07	49.475	-9.737	0.776	-701.99	-524.106
9282_9283	9282	9283	2522.658	-7.693	9.737	-0.776	822.797	870.91
9283_9283	9283	9283	-2522.67	7.712	2.733	0.626	-822.797	-870.936
9283_9284	9283	9284	2520.193	30.126	-2.733	-0.626	792.091	753.481
9284_9284	9284	9284	-2518.93	-68.152	54.878	-1.416	-792.091	-753.465
9284_9285	9284	9285	2512.954	102.258	-54.878	1.416	236.315	-86.333
9285_9285	9285	9285	-2512.78	-102.243	62.585	1.303	-236.315	86.32
9285_9286	9285	9286	2504.547	133.827	-62.585	-1.303	-350.624	-1161.18
9286_9286	9286	9286	-2504.47	-168.177	-11.009	-34.865	350.624	1161.248
9286_9287	9286	9287	2500.47	181.73	11.009	34.865	-306.321	-1849.68
9287_9287	9287	9287	-2498.13	-181.748	-12.521	-35.39	307.297	1619.071
9287_9288	9287	9288	2487.025	216.041	12.521	35.39	-188.37	-3465.5
9288_9288	9288	9288	243.876	797.734	-24.56	57.086	-41.868	22196.64
9288_9289	9288	9289	-226.478	-753.926	24.56	-56.921	305.205	-13975.6
9289_9289	9289	9289	197.964	657.159	19.285	-12.897	-297.129	13976.52
9289_9290	9289	9290	-174.966	-610.41	-19.285	12.826	67.597	-6544.13
9290_9290	9290	9290	156.62	615.725	19.416	8.918	-68.924	6542.29
9290_9291	9290	9291	-131.66	-571.512	-19.416	-8.966	-156.271	235.567
9291_9291	9291	9291	118.433	532.658	-12.78	10.557	156.257	-236.442
9291_9292	9291	9292	-109.934	-517.07	12.78	-10.548	-103.24	2379.007
9292_9292	9292	9292	85.915	519.264	-12.517	4.888	102.767	-2301.59
9292_9293	9292	9293	-68.751	-492.668	12.517	-4.881	-2.48	6280.188

9293_9293	9293	9293	62.315	494.316	-12.412	-4.364	2.547	-6280.37
9293_9294	9293	9294	-48.078	-467.871	12.412	4.364	96.549	10054.91
9294_9294	9294	9294	48.281	429.358	-1.049	38.812	-96.551	-10056.3
9294_9295	9294	9295	-41.208	-416.085	1.049	-38.812	100.756	11717.46
9295_9295	9295	9295	62.612	416.332	-0.774	5.905	-101.788	-11838.1
9295_9296	9295	9296	-48.684	-377.953	0.774	-5.905	109.673	15818.16
9296_9296	9296	9296	48.686	377.964	-0.652	-26.892	-109.673	-15818.1
9296_9297	9296	9297	-39.201	-346.834	0.652	26.892	115.06	18767.92
9297_9297	9297	9297	-60.84	312.631	3.443	34.387	-79.574	-18206.6
9297_9298	9297	9298	65.956	-269.524	-3.443	-34.387	40.009	21530.83
9298_9298	9298	9298	-65.939	269.538	3.606	-25.149	-40.009	-21530.9
9298_9299	9298	9299	67.877	-229.48	-3.606	25.149	1.495	24189.28
9299_9299	9299	9299	-67.974	195.725	0.924	44.48	-1.495	-24192.6
9299_9300	9299	9300	68.995	-155.213	-0.924	-44.48	-8.48	26085.89
9300_9300	9300	9300	-68.995	155.229	1.079	-27.345	8.48	-26085.9
9300_9301	9300	9301	66.609	-107.194	-1.079	27.345	-22.3	27780.96
9301_9301	9301	9301	-66.659	71.363	-0.325	52.731	22.3	-27784.5
9301_9302	9301	9302	62.827	-26.886	0.325	-52.731	-18.452	28388.41
9302_9302	9302	9302	-62.827	26.901	-0.136	-44.121	18.452	-28388.4
9302_9303	9302	9303	55.727	17.193	0.136	44.121	-16.848	28482.35
9303_9303	9303	9303	-55.739	-52.086	0.566	40.855	16.848	-28486.4
9303_9304	9303	9304	46.609	99.201	-0.566	-40.855	-23.962	27582.94
9304_9304	9304	9304	-46.604	-99.186	0.728	-40.993	23.962	-27583
9304_9305	9304	9305	35.477	140.607	-0.728	40.993	-32.001	26314.68
9305_9305	9305	9305	-35.505	-175.057	0.373	47.012	32.001	-26318
9305_9306	9305	9306	23.092	216.506	-0.373	-47.012	-36.118	24216.36
9306_9306	9306	9306	-23.092	-216.491	0.569	-40.473	36.118	-24216.4
9306_9307	9306	9307	5.467	263.575	-0.569	40.473	-43.258	21290.27
9307_9307	9307	9307	-5.494	-295.251	0.267	18.123	43.258	-21292.9
9307_9308	9307	9308	-13.245	339.854	-0.267	-18.123	-46.432	17608.95
9308_9308	9308	9308	13.246	-343.302	0.391	-21.835	46.432	-17609
9308_9309	9308	9309	-37.239	387.198	-0.391	21.835	-51.013	13451.46
9309_9309	9309	9309	37.006	-419.01	-7.796	6.793	51.013	-13452.8
9309_9310	9309	9310	-64.64	463.81	7.796	-6.793	42.1	8315.001
9310_9310	9310	9310	64.605	-463.795	-7.634	-16.274	-42.1	-8314.97
9310_9311	9310	9311	-94.838	507.507	7.634	16.274	131.068	2801.869
9311_9311	9311	9311	96.087	-535.326	39.511	-15.231	-131.068	-2803.04
9311_9312	9311	9312	-105.957	547.769	-39.511	15.231	0	1054.482
9400_9020	9400	9020	2394.288	-240.389	44.46	1.415	-400.184	-3961.37
9400_9401	9400	9401	-2395.34	244.371	-44.46	-1.415	218.318	2969.909
9401_9401	9401	9401	2394.314	-239.6	18.823	-0.138	-205.116	-2970.03
9401_9402	9401	9402	-2395.22	242.995	-18.823	0.138	139.411	2127.744
9402_9402	9402	9402	2400.44	-184.847	14.147	-1	-140.616	-2127.66
9402_9403	9402	9403	-2403.53	195.396	-14.147	1	-13.841	51.864
9403_9403	9403	9403	2419.006	-123.206	-0.815	-0.706	23.047	-51.838
9403_9404	9403	9404	-2421.26	130.106	0.815	0.706	-17.173	-861.375
9404_9404	9404	9404	2423.632	-73.726	-2.25	-0.59	17.334	861.372
9404_9405	9404	9405	-2426.05	80.575	2.25	0.59	-1.102	-1417.9
9405_9405	9405	9405	2441.651	3.185	-0.782	-0.495	11.41	1417.916
9405_9406	9405	9406	-2446.96	10.319	0.782	0.495	-0.134	-1469.32
9406_9406	9406	9406	2454.768	75.189	-1.369	-0.675	11.272	1469.332
9406_9407	9406	9407	-2458.32	-67.016	1.369	0.675	0.851	-839.853
9407_9407	9407	9407	2456.428	117.429	-3	-0.112	-0.614	839.853
9407_9408	9407	9408	-2458.88	-112.087	3	0.112	17.284	-202.089
9408_9408	9408	9408	2435.329	-408.919	-0.689	-3.442	-20.094	202.105

9408_9409	9408	9409	-2436.03	412.048	0.689	3.442	22.184	-1445.92
9409_9409	9409	9409	2431.87	389.804	-1.426	2.307	-21.935	1447.255
9409_9410	9409	9410	-2431.17	-386.686	1.426	-2.307	26.243	-274.595
9410_9410	9410	9410	2448.424	-131.028	4.98	-1.549	-22.758	274.609
9410_9411	9410	9411	-2445.97	136.369	-4.98	1.549	-4.919	-1017.63
9411_9411	9411	9411	2448.249	-86.407	1.026	-0.03	4.182	1017.637
9411_9412	9411	9412	-2444.7	94.578	-1.026	0.03	-13.264	-1818.6
9412_9412	9412	9412	2434.786	-8.349	0.529	-0.549	2.137	1818.614
9412_9413	9412	9413	-2429.48	21.866	-0.529	0.549	-9.765	-2036.51
9413_9413	9413	9413	2411.71	60.452	2.09	-0.885	-0.041	2036.506
9413_9414	9413	9414	-2409.29	-53.608	-2.09	0.885	-15.024	-1625.35
9414_9414	9414	9414	2407.399	109.579	0.347	-0.039	14.609	1625.355
9414_9415	9414	9415	-2405.14	-102.685	-0.347	0.039	-17.106	-860.673
9415_9415	9415	9415	2384.314	175.006	-7.987	-0.841	7.152	860.686
9415_9416	9415	9416	-2381.22	-164.46	7.987	0.841	80.037	992.186
9416_9416	9416	9416	2376.438	223.233	-6.836	1.63	-80.165	-992.175
9416_9417	9416	9417	-2375.53	-219.832	6.836	-1.63	104.062	1766.653
9417_9417	9417	9417	2376.555	225.248	-34.341	-1.646	-113.509	-1766.75
9417_9036	9417	9036	-2375.51	-221.261	34.341	1.646	254.135	2680.961
9420_9056	9420	9056	2049.513	-224.977	34.412	1.404	-215.494	-3904.68
9420_9421	9420	9421	-2050.44	228.512	-34.412	-1.404	74.517	2975.759
9421_9421	9421	9421	2049.428	-222.685	6.114	0.599	-64.244	-2975.72
9421_9422	9421	9422	-2050.23	225.691	-6.114	-0.599	42.916	2193.714
9422_9422	9422	9422	2055.058	-176.459	4.536	-0.101	-43.396	-2193.71
9422_9423	9422	9423	-2057.8	185.809	-4.536	0.101	-6.138	215.547
9423_9423	9423	9423	2075.11	-123.703	-0.38	-0.003	16.267	-215.539
9423_9424	9423	9424	-2077.11	129.814	0.38	0.003	-13.527	-697.973
9424_9424	9424	9424	2079.566	-81.438	-2.137	0.28	13.734	697.969
9424_9425	9424	9425	-2081.71	87.503	2.137	-0.28	1.671	-1307.03
9425_9425	9425	9425	2095.002	-16.528	-0.981	0.217	9.89	1307.029
9425_9426	9425	9426	-2099.7	28.497	0.981	-0.217	4.245	-1631.54
9426_9426	9426	9426	2106.147	44.527	0.791	-0.23	7.599	1631.535
9426_9427	9426	9427	-2109.3	-37.282	-0.791	0.23	-14.606	-1269.31
9427_9427	9427	9427	2108.095	80.339	-1.945	1.091	15.342	1269.302
9427_9428	9427	9428	-2110.28	-75.574	1.945	-1.091	-4.528	-835.864
9428_9428	9428	9428	2084.13	-369.172	3.462	-0.28	1.151	835.863
9428_9429	9428	9429	-2084.75	371.952	-3.462	0.28	-11.61	-1955.4
9429_9429	9429	9429	2086.137	376.618	-3.696	0.541	11.552	1957.096
9429_9430	9429	9430	-2085.52	-373.838	3.696	-0.541	-0.387	-823.727
9430_9430	9430	9430	2107.872	-71.088	1.568	-0.332	3.136	823.721
9430_9431	9430	9431	-2105.68	75.854	-1.568	0.332	-11.853	-1232.22
9431_9431	9431	9431	2106.792	-32.982	-0.48	0.617	11.327	1232.225
9431_9432	9431	9432	-2103.64	40.225	0.48	-0.617	-7.075	-1556.32
9432_9432	9432	9432	2092.463	33.258	1.124	0.268	-4.314	1556.308
9432_9433	9432	9433	-2087.76	-21.284	-1.124	-0.268	-11.895	-1163.07
9433_9433	9433	9433	2068.932	91.563	1.561	0.342	0.58	1163.06
9433_9434	9433	9434	-2066.79	-85.5	-1.561	-0.342	-11.833	-525.019
9434_9434	9434	9434	2064.187	134.423	0.424	0.357	11.741	525.021
9434_9435	9434	9435	-2062.19	-128.308	-0.424	-0.357	-14.797	422.405
9435_9435	9435	9435	2049.005	189.313	-12.128	0.597	4.922	-422.428
9435_9436	9435	9436	-2046.27	-179.969	12.128	-0.597	127.448	2437.617
9436_9436	9436	9436	2041.176	230.445	-15.373	-0.252	-126.329	-2437.68
9436_9437	9436	9437	-2040.37	-227.432	15.373	0.252	180.06	3237.825
9437_9437	9437	9437	2041.999	231.329	-29.063	-1.313	-194.6	-3237.81
9437_9072	9437	9072	-2041.07	-227.798	29.063	1.313	313.563	4177.481

9440_9094	9440	9094	2359.165	-210.298	30.082	0.827	-138.871	-2606.27
9440_9441	9440	9441	-2360.09	213.8	-30.082	-0.827	15.601	1737.324
9441_9441	9441	9441	2358.264	-207.113	1.006	0.02	-2.807	-1737.28
9441_9442	9441	9442	-2359.06	210.093	-1.006	-0.02	-0.705	1009.147
9442_9442	9442	9442	2363.459	-152.852	0.181	-0.356	0.6	-1009.15
9442_9443	9442	9443	-2366.17	162.11	-0.181	0.356	-2.579	-710.251
9443_9443	9443	9443	2381.349	-90.13	-1.661	0.05	17.19	710.264
9443_9444	9443	9444	-2383.33	96.178	1.661	-0.05	-5.227	-1381.14
9444_9444	9444	9444	2384.902	-41.818	-1.181	-0.349	5.128	1381.141
9444_9445	9444	9445	-2387.02	47.831	1.181	0.349	3.394	-1704.57
9445_9445	9445	9445	2393.449	34.058	-1.789	-0.046	12.595	1704.575
9445_9446	9445	9446	-2398.11	-22.201	1.789	0.046	13.196	-1299.06
9446_9446	9446	9446	2397.688	105.588	3.085	-0.175	1.927	1299.071
9446_9447	9446	9447	-2400.81	-98.409	-3.085	0.175	-29.253	-395.511
9447_9447	9447	9447	2398.16	149.627	-3.042	0.182	29.695	395.478
9447_9448	9447	9448	-2400.33	-144.914	3.042	-0.182	-12.809	421.966
9448_9448	9448	9448	2376.979	-363.311	0.656	3.097	11.806	-421.954
9448_9449	9448	9449	-2377.6	366.069	-0.656	-3.097	-13.79	-681.082
9449_9449	9449	9449	2377	363.344	1.892	-3.391	13.856	681.213
9449_9450	9449	9450	-2376.38	-360.586	-1.892	3.391	-19.579	413.58
9450_9450	9450	9450	2395.485	-145.466	-1.441	0.174	21.784	-413.561
9450_9451	9450	9451	-2393.32	150.188	1.441	-0.174	-13.774	-408.315
9451_9451	9451	9451	2395.9	-100.946	-0.688	-0.235	13.829	408.313
9451_9452	9451	9452	-2392.78	108.124	0.688	0.235	-7.731	-1334.28
9452_9452	9452	9452	2389.439	-24.913	1.218	-0.061	-7.641	1334.268
9452_9453	9452	9453	-2384.78	36.767	-1.218	0.061	-9.92	-1778.8
9453_9453	9453	9453	2374.628	43.909	1.687	-0.067	-5.414	1778.796
9453_9454	9453	9454	-2372.51	-37.907	-1.687	0.067	-6.742	-1484.08
9454_9454	9454	9454	2370.943	94.115	1.114	0.137	6.62	1484.076
9454_9455	9454	9455	-2368.96	-88.06	-1.114	-0.137	-14.652	-827.363
9455_9455	9455	9455	2350.173	159.437	0.022	0.32	0.211	827.35
9455_9456	9455	9456	-2347.46	-150.174	-0.022	-0.32	-0.455	863.784
9456_9456	9456	9456	2343.184	206.418	-2.111	-0.496	0.677	-863.784
9456_9457	9456	9457	-2342.39	-203.439	2.111	0.496	6.687	1578.834
9457_9457	9457	9457	2344.362	210.139	-21.758	-0.582	-20.736	-1578.85
9457_9110	9457	9110	-2343.44	-206.639	21.758	0.582	109.861	2432.448
9460_9132	9460	9132	1922.592	-190.822	-37.788	-3.225	239.732	-3050.37
9460_9461	9460	9461	-1923.51	194.321	37.788	3.225	-85.002	2261.841
9461_9461	9461	9461	1921.644	-190.26	-10.296	-0.748	97.987	-2261.83
9461_9462	9461	9462	-1922.44	193.238	10.296	0.748	-62.074	1592.986
9462_9462	9462	9462	1926.53	-147.056	-8.571	-0.778	62.466	-1592.97
9462_9463	9462	9463	-1929.24	156.316	8.571	0.778	31.136	-63.505
9463_9463	9463	9463	1913.418	-98.718	0.178	-0.978	-15.459	63.523
9463_9464	9463	9464	-1915.4	104.771	-0.178	0.978	14.178	-796.792
9464_9464	9464	9464	1917.315	-60.221	0.178	-0.648	-14.197	796.792
9464_9465	9464	9465	-1919.44	66.229	-0.178	0.648	12.916	-1252.72
9465_9465	9465	9465	1897.813	1.001	-1.574	-0.781	1.743	1252.722
9465_9466	9465	9466	-1902.47	10.848	1.574	0.781	20.933	-1323.66
9466_9466	9466	9466	1878.723	58.763	3.666	-0.604	-6.57	1323.696
9466_9467	9466	9467	-1881.84	-51.579	-3.666	0.604	-25.921	-834.698
9467_9467	9467	9467	1880.345	91.115	1.517	-0.215	26.331	834.685
9467_9468	9467	9468	-1882.51	-86.396	-1.517	0.215	-34.764	-341.433
9468_9468	9468	9468	1835.526	-297.755	-6.79	17.304	33.069	341.427
9468_9469	9468	9469	-1836.14	300.512	6.79	-17.304	-12.542	-1245.69
9469_9469	9469	9469	1839.707	298.562	5.743	-17.536	13.703	1258.061

9469_9470	9469	9470	-1839.09	-295.805	-5.743	17.536	-31.063	-359.697
9470_9470	9470	9470	1885.927	-88.897	-3.778	1.023	32.986	359.686
9470_9471	9470	9471	-1883.76	93.617	3.778	-1.023	-11.99	-866.839
9471_9471	9471	9471	1885.288	-54.859	-1.622	-0.202	12.434	866.833
9471_9472	9471	9472	-1882.17	62.034	1.622	0.202	1.925	-1384.33
9472_9472	9472	9472	1905.553	8.84	1.993	0.542	-16.791	1384.294
9472_9473	9472	9473	-1900.9	3.018	-1.993	-0.542	-11.942	-1342.32
9473_9473	9473	9473	1915.56	63.762	0.238	0.534	-2.655	1342.314
9473_9474	9473	9474	-1913.44	-57.754	-0.238	-0.534	0.938	-904.18
9474_9474	9474	9474	1911.58	102.215	0.238	0.556	-0.925	904.18
9474_9475	9474	9475	-1909.6	-96.162	-0.238	-0.556	-0.791	-189.334
9475_9475	9475	9475	1911.924	154.065	5.856	0.955	-12.838	189.326
9475_9476	9475	9476	-1909.21	-144.805	-5.856	-0.955	-51.111	1442.568
9476_9476	9476	9476	1905.192	190.568	4.146	-1.601	51.474	-1442.56
9476_9477	9476	9477	-1904.4	-187.591	-4.146	1.601	-65.937	2102.084
9477_9477	9477	9477	1905.848	193	-6.306	0.384	55.189	-2102.09
9477_9148	9477	9148	-1904.93	-189.501	6.306	-0.384	-29.369	2885.207
9480_9168	9480	9168	1744.7	-191.243	-9.573	-0.483	54.381	-3411.87
9480_9481	9480	9481	-1745.62	194.742	9.573	0.483	-15.181	2621.621
9481_9481	9481	9481	1744.24	-190.679	-2.539	-0.295	25.289	-2621.62
9481_9482	9481	9482	-1745.04	193.666	2.539	0.295	-16.408	1949.445
9482_9482	9482	9482	1749.329	-150.002	-2.539	-0.705	16.395	-1949.45
9482_9483	9482	9483	-1752.04	159.253	2.539	0.705	11.308	262.333
9483_9483	9483	9483	1727.125	-107.271	0.762	-1.206	1.902	-262.318
9483_9484	9483	9484	-1729.1	113.324	-0.762	1.206	-7.392	-532.591
9484_9484	9484	9484	1731.271	-73.101	-1.586	-0.644	7.621	532.588
9484_9485	9484	9485	-1733.39	79.11	1.586	0.644	3.816	-1081.39
9485_9485	9485	9485	1698.594	-18.702	-2.523	-0.937	9.774	1081.423
9485_9486	9485	9486	-1703.25	30.559	2.523	0.937	26.601	-1436.54
9486_9486	9486	9486	1657.764	33.355	5.118	0.618	-12.264	1436.584
9486_9487	9486	9487	-1660.88	-26.18	-5.118	-0.618	-33.048	-1173.02
9487_9487	9487	9487	1659.982	60.323	8.154	-2.172	32.084	1173.047
9487_9488	9487	9488	-1662.15	-55.603	-8.154	2.172	-77.402	-850.92
9488_9488	9488	9488	1588.489	-275.339	-15.215	33.144	76.434	850.854
9488_9489	9488	9489	-1589.11	278.096	15.215	-33.144	-30.44	-1687.35
9489_9489	9489	9489	1596.281	281.896	11.978	-32.937	69.021	1706.919
9489_9490	9489	9490	-1595.66	-279.139	-11.978	32.937	-105.231	-858.936
9490_9490	9490	9490	1670.897	-53.871	-9.457	1.953	105.501	858.927
9490_9491	9490	9491	-1668.73	58.591	9.457	-1.953	-52.942	-1171.43
9491_9491	9491	9491	1669.601	-23.514	-7.562	-0.482	53.545	1171.4
9491_9492	9491	9492	-1666.48	30.698	7.562	0.482	13.481	-1411.65
9492_9492	9492	9492	1709.754	32.213	2.434	0.942	-27.724	1411.598
9492_9493	9492	9493	-1705.1	-20.364	-2.434	-0.942	-7.344	-1032.82
9493_9493	9493	9493	1738.247	81.343	1.86	0.692	-5.592	1032.822
9493_9494	9493	9494	-1736.13	-75.334	-1.86	-0.692	-7.819	-467.916
9494_9494	9494	9494	1733.907	115.668	-0.511	1.164	7.619	467.918
9494_9495	9494	9495	-1731.93	-109.615	0.511	-1.164	-3.937	343.883
9495_9495	9495	9495	1753.874	162.655	2.706	1.209	-8.622	-343.891
9495_9496	9495	9496	-1751.16	-153.387	-2.706	-1.209	-20.954	2071.061
9496_9496	9496	9496	1747.174	193.611	1.145	-1.18	21.487	-2071.06
9496_9497	9496	9497	-1746.38	-190.642	-1.145	1.18	-25.47	2739.357
9497_9497	9497	9497	1747.256	196.806	6.075	0.538	14.555	-2739.37
9497_9184	9497	9184	-1746.34	-193.307	-6.075	-0.538	-39.431	3538.064
9500_9204	9500	9204	2099.31	-226.89	30.552	1.16	-134.619	-3958.63
9500_9501	9500	9501	-2100.4	231.028	-30.552	-1.16	9.517	3021.106

9501_9501	9501	9501	2100.247	-226.103	4.582	5.013	-0.759	-3021.11
9501_9502	9501	9502	-2101.19	229.625	-4.582	-5.013	-15.224	2226.297
9502_9502	9502	9502	2106.097	-179.143	-1.266	-1.693	13.482	-2226.31
9502_9503	9502	9503	-2109.31	190.095	1.266	1.693	0.344	210.201
9503_9503	9503	9503	2130.154	-126.611	-2.188	0.225	6.797	-210.173
9503_9504	9503	9504	-2132.5	133.769	2.188	-0.225	8.968	-728.099
9504_9504	9504	9504	2135.029	-84.165	0.732	-0.576	-9.317	728.095
9504_9505	9504	9505	-2137.54	91.271	-0.732	0.576	4.039	-1360.64
9505_9505	9505	9505	2152.06	-18.04	-0.529	-0.008	3.955	1360.652
9505_9506	9505	9506	-2157.57	32.054	0.529	0.008	3.661	-1721.54
9506_9506	9506	9506	2167.768	41.644	1.419	-0.482	5.296	1721.53
9506_9507	9506	9507	-2171.46	-33.148	-1.419	0.482	-17.872	-1390.08
9507_9507	9507	9507	2170.281	78.768	-1.589	1.037	18.729	1390.067
9507_9508	9507	9508	-2172.82	-73.233	1.589	-1.037	-9.896	-967.696
9508_9508	9508	9508	2147.329	-386.189	-0.913	1.102	7.655	967.682
9508_9509	9508	9509	-2148.05	389.422	0.913	-1.102	-4.895	-2140.02
9509_9509	9509	9509	2148.509	391.626	5.568	-0.716	4.809	2139.708
9509_9510	9509	9510	-2147.79	-388.393	-5.568	0.716	-21.641	-960.732
9510_9510	9510	9510	2178.214	-71.549	0.732	-0.929	22.339	960.766
9510_9511	9510	9511	-2175.67	77.084	-0.732	0.929	-26.408	-1373.78
9511_9511	9511	9511	2176.795	-32.312	-3.148	0.962	25.325	1373.803
9511_9512	9511	9512	-2173.11	40.798	3.148	-0.962	2.551	-1697.48
9512_9512	9512	9512	2168.075	34.1	1.354	0.27	-11.368	1697.475
9512_9513	9512	9513	-2162.57	-20.086	-1.354	-0.27	-8.139	-1307.08
9513_9513	9513	9513	2151.676	93.48	1.909	0.713	-1.159	1307.096
9513_9514	9513	9514	-2149.17	-86.373	-1.909	-0.713	-12.609	-658.552
9514_9514	9514	9514	2146.579	136.299	2.145	0.346	12.646	658.551
9514_9515	9514	9515	-2144.24	-129.14	-2.145	-0.346	-28.106	298.062
9515_9515	9515	9515	2128.455	193.179	-7.715	0.47	22.145	-298.087
9515_9516	9515	9516	-2125.25	-182.226	7.715	-0.47	62.117	2348.253
9516_9516	9516	9516	2120.257	233.163	-9.172	0.297	-61.644	-2348.27
9516_9517	9516	9517	-2119.32	-229.641	9.172	-0.297	93.644	3155.584
9517_9517	9517	9517	2118.869	235.828	-49.131	-3.351	-99.117	-3155.7
9517_9220	9517	9220	-2117.78	-231.689	49.131	3.351	300.341	4113.098
9520_9240	9520	9240	1627.427	-266.262	-22.093	11.799	-514.097	-7251.68
9520_9521	9520	9521	-1628.74	271.224	22.093	-11.799	604.41	6153.075
9521_9521	9521	9521	1615.58	-271.612	36.515	-6.42	-599.486	-6153.93
9521_9522	9521	9522	-1616.71	275.845	-36.515	6.42	472.061	5198.701
9522_9522	9522	9522	1622.851	-237.037	36.633	5.285	-471.963	-5198.71
9522_9523	9522	9523	-1626.71	250.2	-36.633	-5.285	71.701	2536.858
9523_9523	9523	9523	1644.635	-202.396	7.044	0.666	-71.374	-2536.43
9523_9524	9523	9524	-1647.45	210.989	-7.044	-0.666	20.641	1047.691
9524_9524	9524	9524	1651.91	-172.693	3.894	-0.93	-21.353	-1047.68
9524_9525	9524	9525	-1654.92	181.225	-3.894	0.93	-6.711	-227.816
9525_9525	9525	9525	1692.474	-127.031	-1.951	-0.971	8.811	227.925
9525_9526	9525	9526	-1699.09	143.883	1.951	0.971	19.32	-2181.48
9526_9526	9526	9526	1727.703	-86.183	-1.816	-4.478	-14.237	2179.524
9526_9527	9526	9527	-1732.13	96.37	1.816	4.478	30.312	-2987.34
9527_9527	9527	9527	1733.707	-61.57	-6.971	5.161	-26.251	2987.372
9527_9528	9527	9528	-1736.74	68.172	6.971	-5.161	65.016	-3348.11
9528_9528	9528	9528	1699.831	-436.076	9.2	-13.861	-72.695	3348.109
9528_9529	9528	9529	-1700.69	439.934	-9.2	13.861	44.855	-4673.58
9529_9529	9529	9529	1697.853	426.319	0.747	11.201	-44.274	4670.262
9529_9530	9529	9530	-1696.99	-422.473	-0.747	-11.201	42.019	-3389.7
9530_9530	9530	9530	1736.321	57.845	7.569	-4.013	-38.803	3387.877

9530_9531	9530	9531	-1733.29	-51.242	-7.569	4.013	-3.293	-3084.52
9531_9531	9531	9531	1731.906	86.365	4.367	1.751	0.678	3084.523
9531_9532	9531	9532	-1727.48	-76.17	-4.367	-1.751	-39.346	-2364.86
9532_9532	9532	9532	1715.438	134.63	-1.855	0.321	33.934	2364.029
9532_9533	9532	9533	-1708.82	-117.794	1.855	-0.321	-7.199	-545.256
9533_9533	9533	9533	1687.765	175.673	3.345	2.743	4.111	545.691
9533_9534	9533	9534	-1684.75	-167.139	-3.345	-2.743	-28.224	690.048
9534_9534	9534	9534	1680.387	206.476	-2.145	-0.267	29.049	-690.019
9534_9535	9534	9535	-1677.58	-197.876	2.145	0.267	-13.584	2147.315
9535_9535	9535	9535	1628.546	249.084	24.157	4.386	12.998	-2145.91
9535_9536	9535	9536	-1624.69	-235.923	-24.157	-4.386	-276.902	4795.16
9536_9536	9536	9536	1618.61	274.818	21.048	-11.904	279.503	-4795
9536_9537	9536	9537	-1617.48	-270.586	-21.048	11.904	-352.952	5746.601
9537_9537	9537	9537	1625.621	264.785	-32.331	-119.904	355.224	-5764.32
9537_9254	9537	9254	-1624.31	-259.82	32.331	119.904	-222.972	6837.281
9540_9275	9540	9275	2837.206	-275.838	54.443	16.84	-1124.24	-3765.26
9540_9541	9540	9541	-2838.61	281.186	-54.443	-16.84	901.375	2625.143
9541_9541	9541	9541	2836.16	-276.116	59.634	-9.498	-891.602	-2635.92
9541_9542	9541	9542	-2837.38	280.669	-59.634	9.498	683.577	1664.78
9542_9542	9542	9542	2843.43	-212.486	52.833	2.832	-684.801	-1664.3
9542_9543	9542	9543	-2847.58	226.645	-52.833	-2.832	107.788	-733.654
9543_9543	9543	9543	2877.408	-135.651	7.526	-3.328	-103.251	729.8
9543_9544	9543	9544	-2880.43	144.901	-7.526	3.328	49.03	-1740.46
9544_9544	9544	9544	2882.991	-79.3	4.73	-0.507	-48.492	1740.478
9544_9545	9544	9545	-2886.23	88.498	-4.73	0.507	14.343	-2346.15
9545_9545	9545	9545	2917.455	11.477	0.594	-1.791	-8.433	2342.923
9545_9546	9545	9546	-2924.57	6.641	-0.594	1.791	-0.127	-2308.08
9546_9546	9546	9546	2938.343	92.577	9.274	-1.199	5.634	2305.771
9546_9547	9546	9547	-2943.11	-81.608	-9.274	1.199	-87.744	-1534.66
9547_9547	9547	9547	2940.907	140.296	6.201	-1.38	88.422	1534.625
9547_9548	9547	9548	-2944.16	-133.205	-6.201	1.38	-122.93	-773.637
9548_9548	9548	9548	2914.981	-485.709	0.337	9.052	118.459	766.984
9548_9549	9548	9549	-2915.91	489.833	-0.337	-9.052	-119.473	-2237.61
9549_9549	9549	9549	2934.039	515.487	0.953	-8.866	119.774	2249.141
9549_9550	9549	9550	-2933.09	-511.418	-0.953	8.866	-122.614	-718.448
9550_9550	9550	9550	2965.496	-137.412	4.896	-0.644	126.434	711.15
9550_9551	9550	9551	-2962.06	144.563	-4.896	0.644	-154.141	-1509
9551_9551	9551	9551	2964.603	-76.41	-4.593	0.586	151.926	1509.223
9551_9552	9551	9552	-2959.92	86.774	4.593	-0.586	-113.252	-2196.26
9552_9552	9552	9552	2941.944	31.141	0.041	-0.604	108.066	2196.442
9552_9553	9552	9553	-2934.81	-13.502	-0.041	0.604	-108.639	-1882.05
9553_9553	9553	9553	2906.446	121.36	-6.951	1.114	103.669	1881.906
9553_9554	9553	9554	-2903.22	-112.416	6.951	-1.114	-54.741	-1059.12
9554_9554	9554	9554	2899.383	186.823	-6.117	-0.601	54.855	1059.118
9554_9555	9554	9555	-2896.38	-177.797	6.117	0.601	-11.785	224.499
9555_9555	9555	9555	2851.916	279.938	-10.047	0.154	11.408	-223.675
9555_9556	9555	9556	-2847.88	-266.12	10.047	-0.154	95.663	3133.503
9556_9556	9556	9556	2839.561	343.575	-13.11	-0.733	-94.705	-3133.53
9556_9557	9556	9557	-2838.39	-339.106	13.11	0.733	139.556	4301.266
9557_9557	9557	9557	2834.416	356.146	-15.237	-69.093	-141.262	-4323.62
9557_9288	9557	9288	-2832.55	-348.818	15.237	69.093	226.55	6296.651
41000_1000	41000	1000	-0.541	428.201	1.6	-2.803	0	-0.844
41000_1001	41000	1001	0.541	-370.876	-1.6	2.803	-27.21	6795.201
41001_1001	41001	1001	-0.544	370.876	1.599	10.551	27.21	-6795.19
41001_1002	41001	1002	0.544	-334.29	-1.599	-10.551	-44.564	10621.86

41002_1002	41002	1002	-0.637	309.701	-1.6	-2.756	44.564	-10621.1
41002_1003	41002	1003	0.637	-268.599	1.6	2.756	-25.052	14146.61
41003_1003	41003	1003	-0.635	268.599	-1.601	8.776	25.052	-14146.6
41003_1004	41003	1004	0.635	-227.494	1.601	-8.776	-5.533	17171.25
41004_1004	41004	1004	-0.571	207.376	1.024	-6.462	5.533	-17169.9
41004_1005	41004	1005	0.571	-166.259	-1.024	6.462	-18.021	19448.52
41005_1005	41005	1005	-0.572	166.259	1.023	9.381	18.021	-19448.5
41005_1006	41005	1006	0.572	-125.14	-1.023	-9.381	-30.504	21225.8
41006_1006	41006	1006	-0.588	101.127	0.196	-8.434	30.504	-21224.5
41006_1007	41006	1007	0.588	-60.029	-0.196	8.434	-32.897	22206.92
41007_1007	41007	1007	-0.588	60.029	0.196	9.657	32.897	-22206.9
41007_1008	41007	1008	0.588	-18.927	-0.196	-9.657	-35.285	22688.27
41008_1008	41008	1008	-0.587	-5.696	0.373	-8.298	35.285	-22687.4
41008_1009	41008	1009	0.587	46.777	-0.373	8.298	-39.833	22367.68
41009_1009	41009	1009	-0.587	-46.777	0.373	7.728	39.833	-22367.7
41009_1010	41009	1010	0.587	87.895	-0.373	-7.728	-44.381	21546.34
41010_1010	41010	1010	-0.59	-112.5	0.03	-18.385	44.381	-21545.9
41010_1011	41010	1011	0.59	153.593	-0.03	18.385	-44.747	19924.08
41011_1011	41011	1011	-0.59	-153.593	0.029	16.068	44.747	-19924.1
41011_1012	41011	1012	0.59	194.66	-0.029	-16.068	-45.101	17802.75
41012_1012	41012	1012	-0.591	-220.113	-0.89	4.221	45.101	-17802.7
41012_1013	41012	1013	0.591	261.218	0.89	-4.221	-34.247	14868.06
41013_1013	41013	1013	-0.592	-261.218	-0.89	-7.88	34.247	-14868.1
41013_1014	41013	1014	0.592	302.319	0.89	7.88	-23.399	11432.57
41014_1014	41014	1014	-0.592	-327.44	0.088	-1.113	23.399	-11432.6
41014_1015	41014	1015	0.592	383.848	-0.088	1.113	-24.87	5481.371
41015_1015	41015	1015	3.704	-383.836	0.089	-8.718	24.79	-5481.82
41015_1016	41015	1016	-4.002	410.064	-0.089	8.718	-25.521	2206.997
41016_1016	41016	1016	13.34	-431.828	2.045	-4.59	25.497	-2206.69
41016_1017	41016	1017	-14.572	469.379	-2.045	4.59	-49.527	-3087.28
41017_1017	41017	1017	27.602	-468.799	2.046	-1.598	49.654	3087.063
41017_1018	41017	1018	-30.345	513.83	-2.046	1.598	-76.826	-9607.99
41018_1018	41018	1018	46.305	-530.915	-0.124	-14.649	75.837	9607.811
41018_1019	41018	1019	-50.256	575.209	0.124	14.649	-74.242	-16543.2
41019_1019	41019	1019	66.024	-573.615	-0.123	10.936	77.007	16543.24
41019_1020	41019	1020	-71.5	620.4	0.123	-10.936	-75.397	-24054.8
41020_1020	41020	1020	-2296.18	176.439	-9.509	-4.148	262.419	4534.15
41020_1021	41020	1021	2296.184	-145.433	9.509	4.148	-172.058	-3004.82
41021_1021	41021	1021	-2296.19	145.433	-6.834	0.597	172.058	2966.897
41021_1022	41021	1022	2296.193	-122.252	6.834	-0.597	-119.095	-1929.6
41022_1022	41022	1022	-2296.2	122.252	-3.89	3.071	119.095	1929.6
41022_1023	41022	1023	2296.2	-99.075	3.89	-3.071	-88.953	-1072.07
41023_1023	41023	1023	-2296.18	80.291	-11.018	-0.468	88.953	1072.054
41023_1024	41023	1024	2296.179	-56.364	11.018	0.468	-0.81	-525.453
41024_1024	41024	1024	-2296.18	56.364	-11.018	-0.468	0.81	525.453
41024_1025	41024	1025	2296.179	-32.437	11.018	0.468	87.332	-170.26
41025_1025	41025	1025	-2296.19	28.797	-8.165	-0.256	-87.332	170.261
41025_1026	41025	1026	2296.191	-4.874	8.165	0.256	152.644	-35.601
41026_1026	41026	1026	-2296.19	-12.107	-5.07	-0.909	-152.644	35.6
41026_1027	41026	1027	2296.194	30.042	5.07	0.909	183.047	-161.973
41027_1027	41027	1027	-2296.2	-30.042	-0.849	-0.611	-183.047	161.974
41027_1028	41027	1028	2296.199	48.004	0.849	0.611	188.146	-396.319
41028_1028	41028	1028	-2296.2	-48.004	-1.264	-0.683	-188.146	396.319
41028_1029	41028	1029	2296.199	65.936	1.264	0.683	195.722	-737.875
41029_1029	41029	1029	-2296.2	-65.936	-0.849	-0.55	-195.722	737.875

41029_1030	41029	1030	2296.199	83.898	0.849	0.55	200.821	-1187.77
41030_1030	41030	1030	-2296.19	-100.539	8.057	-1.057	-200.821	1187.779
41030_1031	41030	1031	2296.187	124.453	-8.057	1.057	136.405	-2087.22
41031_1031	41031	1031	-2296.19	-124.453	8.362	-0.78	-136.405	2087.216
41031_1032	41031	1032	2296.186	148.396	-8.362	0.78	69.469	-3179.33
41032_1032	41032	1032	-2296.19	-148.396	8.057	-1.203	-69.469	3179.329
41032_1033	41032	1033	2296.187	172.31	-8.057	1.203	5.053	-4461.4
41033_1033	41033	1033	-2296.24	-189.252	-3.87	-29.2	-5.053	4461.548
41033_1034	41033	1034	2296.235	212.44	3.87	29.2	35.056	-6018.59
41034_1034	41034	1034	-2296.24	-212.44	-0.924	-21.478	-35.056	6018.625
41034_1035	41034	1035	2296.238	235.624	0.924	21.478	42.218	-7755.19
41035_1035	41035	1035	-2296.14	-235.624	21.09	53.796	-42.218	7794.01
41035_1036	41035	1036	2296.141	266.627	-21.09	-53.796	-158.175	-10180.2
41036_1036	41036	1036	34.442	511.034	0.471	-9.813	-0.039	31293.6
41036_1037	41036	1037	-28.966	-464.257	-0.471	9.813	-5.931	-25159.7
41037_1037	41037	1037	16.196	464.852	0.491	9.98	3.897	25159.68
41037_1038	41037	1038	-12.245	-420.542	-0.491	-9.98	-10.084	-19606.7
41038_1038	41038	1038	-0.318	407.292	-2.441	-2.021	11.032	19607.67
41038_1039	41038	1039	3.061	-362.3	2.441	2.021	21.354	-14505.2
41039_1039	41039	1039	-13.602	362.157	-2.42	14.682	-21.843	14540.56
41039_1040	41039	1040	14.836	-324.518	2.42	-14.682	50.304	-10503.5
41040_1040	41040	1040	-21.455	305.351	2.45	2.501	-49.935	10504.23
41040_1041	41040	1041	21.752	-279.186	-2.45	-2.501	29.719	-8093.02
41041_1041	41041	1041	-24.687	278.829	2.456	3.873	-29.696	8103.62
41041_1042	41041	1042	24.687	-231.637	-2.456	-3.873	-10.36	-3941.15
41042_1042	41042	1042	-24.714	210.475	-0.024	1.765	10.36	3941.261
41042_1043	41042	1043	24.714	-175.806	0.024	-1.765	-10.07	-1627.25
41043_1043	41043	1043	-24.714	175.806	-0.004	3.119	10.07	1627.248
41043_1044	41043	1044	24.714	-141.138	0.004	-3.119	-10.026	271.266
41044_1044	41044	1044	-24.713	116.347	0.055	1.756	10.026	-271.26
41044_1045	41044	1045	24.713	-81.685	-0.055	-1.756	-10.685	1457.326
41045_1045	41045	1045	-24.713	81.685	0.076	0.543	10.685	-1457.33
41045_1046	41045	1046	24.713	-47.024	-0.076	-0.543	-11.59	2228.145
41046_1046	41046	1046	-24.715	24.478	-0.029	0.703	11.59	-2228.2
41046_1047	41046	1047	24.715	10.207	0.029	-0.703	-11.24	2313.722
41047_1047	41047	1047	-24.715	-10.207	-0.01	-1.073	11.24	-2313.72
41047_1048	41047	1048	24.715	44.861	0.01	1.073	-11.117	1983.992
41048_1048	41048	1048	-24.718	-66.791	-0.199	-0.553	11.117	-1984.02
41048_1049	41048	1049	24.718	101.471	0.199	0.553	-8.735	975.741
41049_1049	41049	1049	-24.718	-101.471	-0.159	-2.116	8.735	-975.739
41049_1050	41049	1050	24.718	136.119	0.159	2.116	-6.829	-446.607
41050_1050	41050	1050	-24.734	-156.488	-1.352	-3.821	6.829	446.639
41050_1051	41050	1051	24.734	203.637	1.352	3.821	15.206	-3380.49
41051_1051	41051	1051	-22.272	-204.011	-1.317	1.046	-15.189	3377.145
41051_1052	41051	1052	21.994	228.459	1.317	-1.046	26.04	-5159.24
41052_1052	41052	1052	-16.217	-248.342	1.477	-7.571	-26.268	5159.249
41052_1053	41052	1053	15.064	283.485	-1.477	7.571	8.911	-8284.91
41053_1053	41053	1053	-6.933	-283.918	1.507	5.588	-8.352	8278.571
41053_1054	41053	1054	4.22	328.332	-1.507	-5.588	-11.661	-12341.6
41054_1054	41054	1054	6.527	-343.883	0.96	-6.574	10.789	12341.65
41054_1055	41054	1055	-10.422	387.457	-0.96	6.574	-22.796	-16928.8
41055_1055	41055	1055	21.141	-387.078	0.981	7.105	24.299	16928.84
41055_1056	41055	1056	-26.517	432.942	-0.981	-7.105	-36.594	-22090.4
41056_1056	41056	1056	-1901.35	246.476	-4.333	-1.265	87.389	7256.23
41056_1057	41056	1057	1901.354	-215.812	4.333	1.265	-46.226	-5060.3

41057_1057	41057	1057	-1901.36	215.812	-2.974	2.471	46.226	5028.495
41057_1058	41057	1058	1901.357	-191.271	2.974	-2.471	-23.191	-3451.83
41058_1058	41058	1058	-1901.36	191.271	-2.974	2.471	23.191	3451.83
41058_1059	41058	1059	1901.357	-166.73	2.974	-2.471	-0.155	-2065.27
41059_1059	41059	1059	-1901.42	148.983	-8.873	0.15	0.155	2065.295
41059_1060	41059	1060	1901.418	-123.618	8.873	-0.15	70.882	-974.039
41060_1060	41060	1060	-1901.43	119.978	-6.651	1.289	-70.882	974.038
41060_1061	41060	1061	1901.427	-94.646	6.651	-1.289	124.061	-116.011
41061_1061	41061	1061	-1901.43	94.646	-4.132	1.442	-124.061	116.009
41061_1062	41061	1062	1901.434	-69.284	4.132	-1.442	157.135	540.122
41062_1062	41062	1062	-1901.4	52.991	-2.13	2.112	-157.135	-540.125
41062_1063	41062	1063	1901.404	-33.977	2.13	-2.112	169.917	801.09
41063_1063	41063	1063	-1901.41	33.977	0.842	0.86	-169.917	-801.092
41063_1064	41063	1064	1901.405	-14.997	-0.842	-0.86	164.87	947.788
41064_1064	41064	1064	-1901.41	14.997	1.033	0.765	-164.87	-947.788
41064_1065	41064	1065	1901.405	4.015	-1.033	-0.765	158.672	980.737
41065_1065	41065	1065	-1901.4	-4.015	4.196	-0.866	-158.672	-980.737
41065_1066	41065	1066	1901.4	23.025	-4.196	0.866	133.494	899.614
41066_1066	41066	1066	-1901.37	-39.621	5.827	1.049	-133.494	-899.635
41066_1067	41066	1067	1901.37	64.979	-5.827	-1.049	86.858	481.035
41067_1067	41067	1067	-1901.36	-64.979	8.198	0.449	-86.858	-481.036
41067_1068	41067	1068	1901.361	90.335	-8.198	-0.449	21.243	-140.469
41068_1068	41068	1068	-1901.36	-90.335	8.062	0.439	-21.243	140.47
41068_1069	41068	1069	1901.362	115.659	-8.062	-0.439	-43.197	-963.749
41069_1069	41069	1069	-1901.41	-132.833	7.791	-0.432	43.197	963.794
41069_1070	41069	1070	1901.411	157.392	-7.791	0.432	-103.592	-2088.7
41070_1070	41070	1070	-1901.41	-157.392	7.791	-0.432	103.592	2088.697
41070_1071	41070	1071	1901.411	181.952	-7.791	0.432	-163.986	-3403.99
41071_1071	41071	1071	-1901.41	-181.952	9.124	2.357	163.986	3434.463
41071_1072	41071	1072	1901.405	212.597	-9.124	-2.357	-250.612	-5307.44
41072_1072	41072	1072	31.757	481.221	-1.441	-2.924	62.234	19835.33
41072_1073	41072	1073	-26.38	-435.36	1.441	2.924	-44.142	-14067.1
41073_1073	41073	1073	14.405	435.868	-1.422	6.473	43.048	14067.07
41073_1074	41073	1074	-10.51	-392.301	1.422	-6.473	-25.237	-8873.85
41074_1074	41074	1074	-1.413	377.259	-1.432	3.442	25.566	8874.149
41074_1075	41074	1075	4.126	-332.861	1.432	-3.442	-6.555	-4163.62
41075_1075	41075	1075	-14.08	332.501	-1.402	11.967	6.434	4165.129
41075_1076	41075	1076	15.215	-297.904	1.402	-11.967	10.047	-458.788
41076_1076	41076	1076	-21.402	275.074	1.852	3.465	-9.814	458.989
41076_1077	41076	1077	21.676	-250.994	-1.852	-3.465	-5.468	1711.037
41077_1077	41077	1077	-24.35	250.646	1.883	1.886	5.511	-1705.86
41077_1078	41077	1078	24.35	-205.236	-1.883	-1.886	-33.436	5085.437
41078_1078	41078	1078	-24.373	185.51	-0.311	5.614	33.436	-5085.53
41078_1079	41078	1079	24.373	-151.049	0.311	-5.614	-29.938	6979.02
41079_1079	41079	1079	-24.373	151.049	-0.288	-0.863	29.938	-6979.02
41079_1080	41079	1080	24.373	-116.558	0.288	0.863	-26.692	8485.858
41080_1080	41080	1080	-24.373	95.938	-0.182	5.484	26.692	-8486.1
41080_1081	41080	1081	24.373	-61.45	0.182	-5.484	-24.641	9372.253
41081_1081	41081	1081	-24.373	61.45	-0.161	-2.831	24.641	-9372.26
41081_1082	41081	1082	24.373	-26.964	0.161	2.831	-22.833	9870.037
41082_1082	41082	1082	-24.374	4.688	-0.209	8.225	22.833	-9870.32
41082_1083	41082	1083	24.374	32.372	0.209	-8.225	-20.298	9702.827
41083_1083	41083	1083	-24.374	-32.372	-0.169	-7.8	20.298	-9702.83
41083_1084	41083	1084	24.374	69.429	0.169	7.8	-18.251	9086.958
41084_1084	41084	1084	-24.373	-91.333	-0.044	6.052	18.251	-9087.18

41084_1085	41084	1085	24.373	125.815	0.044	-6.052	-17.76	7864.789
41085_1085	41085	1085	-24.373	-125.815	0	-7.91	17.76	-7864.79
41085_1086	41085	1086	24.373	160.294	0	7.91	-17.756	6254.302
41086_1086	41086	1086	-24.381	-180.53	-0.749	1.806	17.756	-6254.41
41086_1087	41086	1087	24.381	215.01	0.749	-1.806	-9.319	4027.945
41087_1087	41087	1087	-24.382	-215.01	-0.706	-5.345	9.319	-4027.94
41087_1088	41087	1088	24.382	249.487	0.706	5.345	-1.37	1413.499
41088_1088	41088	1088	-24.387	-267.561	-0.91	-2.774	1.37	-1413.55
41088_1089	41088	1089	24.387	311.229	0.91	2.774	11.611	-2712.66
41089_1089	41089	1089	-20.804	-311.567	-0.917	-3.216	-11.638	2702.742
41089_1090	41089	1090	20.518	336.784	0.917	3.216	19.205	-5378.85
41090_1090	41090	1090	-12.552	-358.633	0.502	-7.142	-19.373	5378.855
41090_1091	41090	1091	11.365	394.802	-0.502	7.142	13.477	-9805.66
41091_1091	41091	1091	-0.254	-395.087	0.515	0.953	-13.214	9805.912
41091_1092	41091	1092	-2.432	439.167	-0.515	-0.953	6.366	-15339.9
41092_1092	41092	1092	16.003	-453.053	1.037	-17.339	-7.936	15340.07
41092_1093	41092	1093	-19.862	496.351	-1.037	17.339	-5.05	-21297.9
41093_1093	41093	1093	33.602	-495.662	1.075	15.843	8.463	21297.93
41093_1094	41093	1094	-38.933	541.18	-1.075	-15.843	-21.939	-27817
41094_1094	41094	1094	-2254.1	216.088	-2.533	-4.765	5.029	7971.563
41094_1095	41094	1095	2254.096	-185.64	2.533	4.765	19.045	-6062.64
41095_1095	41095	1095	-2254.1	185.64	-1.921	-2.956	-19.045	6062.688
41095_1096	41095	1096	2254.096	-161.393	1.921	2.956	33.942	-4717.44
41096_1096	41096	1096	-2254.09	161.393	3.82	9.06	-33.942	4717.432
41096_1097	41096	1097	2254.094	-137.18	-3.82	-9.06	4.363	-3561.61
41097_1097	41097	1097	-2254.16	120.505	-4.359	-2.307	-4.363	3561.693
41097_1098	41097	1098	2254.158	-95.478	4.359	2.307	39.247	-2697.49
41098_1098	41098	1098	-2254.16	95.478	-1.543	1.062	-39.247	2697.49
41098_1099	41098	1099	2254.162	-70.452	1.543	-1.062	51.596	-2033.58
41099_1099	41099	1099	-2254.16	70.452	-1.543	1.062	-51.596	2033.583
41099_1100	41099	1100	2254.162	-45.425	1.543	-1.062	63.946	-1569.94
41100_1100	41100	1100	-2254.06	30.159	12.245	7.655	-63.946	1569.901
41100_1101	41100	1101	2254.058	-11.39	-12.245	-7.655	-9.539	-1445.22
41101_1101	41101	1101	-2254.06	11.39	12.163	7.603	9.539	1445.225
41101_1102	41101	1102	2254.059	7.348	-12.163	-7.603	-82.413	-1433.11
41102_1102	41102	1102	-2254.05	-7.348	-14.033	-9.052	82.413	1433.106
41102_1103	41102	1103	2254.048	26.122	14.033	9.052	1.83	-1533.57
41103_1103	41103	1103	-2254.07	-26.122	-10.28	-6.499	-1.83	1533.584
41103_1104	41103	1104	2254.068	44.896	10.28	6.499	63.541	-1746.75
41104_1104	41104	1104	-2254.06	-60.143	0.279	-2.056	-63.541	1746.744
41104_1105	41104	1105	2254.057	85.143	-0.279	2.056	61.307	-2327.45
41105_1105	41105	1105	-2254.06	-85.143	3.182	0.941	-61.307	2327.446
41105_1106	41105	1106	2254.055	110.174	-3.182	-0.941	35.837	-3109.07
41106_1106	41106	1106	-2254.06	-110.174	3.182	0.941	-35.837	3109.065
41106_1107	41106	1107	2254.055	135.204	-3.182	-0.941	10.366	-4091.02
41107_1107	41107	1107	-2254.07	-151.452	0.318	-3.043	-10.366	4091.056
41107_1108	41107	1108	2254.074	175.668	-0.318	3.043	7.902	-5357.53
41108_1108	41108	1108	-2254.07	-175.668	0.401	-2.847	-7.902	5357.525
41108_1109	41108	1109	2254.074	199.916	-0.401	2.847	4.795	-6813.5
41109_1109	41109	1109	-2254.07	-199.916	2.695	4.304	-4.795	6813.444
41109_1110	41109	1110	2254.073	230.364	-2.695	-4.304	-20.818	-8858.04
41110_1110	41110	1110	29.935	527.982	-0.868	-17.348	29.066	28880.41
41110_1111	41110	1111	-24.604	-482.466	0.868	17.348	-18.201	-22528.1
41111_1111	41111	1111	11.001	479.274	-0.817	18.499	14.441	22528.13
41111_1112	41111	1112	-7.142	-435.982	0.817	-18.499	-4.218	-16785.7

41112_1112	41112	1112	-5.754	424.007	-0.795	-1.564	5.937	16786.06
41112_1113	41112	1113	8.44	-379.903	0.795	1.564	4.623	-11450.6
41113_1113	41113	1113	-19.587	379.344	-0.755	14.22	-5.094	11437.88
41113_1114	41113	1114	20.771	-343.278	0.755	-14.22	13.97	-7193.43
41114_1114	41114	1114	-27.894	325.179	1.306	-2.8	-13.608	7193.642
41114_1115	41114	1115	28.18	-300.036	-1.306	2.8	2.828	-4613.92
41115_1115	41115	1115	-31.366	299.627	1.375	7.372	-2.835	4629.345
41115_1116	41115	1116	31.366	-256.695	-1.375	-7.372	-17.475	-520.112
41116_1116	41116	1116	-31.366	237.514	-0.373	3.734	17.475	520.108
41116_1117	41116	1117	31.366	-204.814	0.373	-3.734	-13.282	1968.418
41117_1117	41117	1117	-31.367	204.814	-0.345	1.985	13.282	-1968.42
41117_1118	41117	1118	31.367	-172.115	0.345	-1.985	-9.403	4088.981
41118_1118	41118	1118	-31.367	152.621	-0.096	6.942	9.403	-4088.99
41118_1119	41118	1119	31.367	-119.894	0.096	-6.942	-8.319	5623.462
41119_1119	41119	1119	-31.367	119.894	-0.041	-2.969	8.319	-5623.47
41119_1120	41119	1120	31.367	-87.196	0.041	2.969	-7.858	6788.478
41120_1120	41120	1120	-31.367	65.707	-0.116	3.908	7.858	-6788.49
41120_1121	41120	1121	31.367	-30.539	0.116	-3.908	-6.45	7370.836
41121_1121	41121	1121	-31.367	30.539	-0.091	-2.101	6.45	-7370.84
41121_1122	41121	1122	31.367	4.599	0.091	2.101	-5.351	7527.662
41122_1122	41122	1122	-31.367	-25.899	-0.065	2.696	5.351	-7527.66
41122_1123	41122	1123	31.367	58.624	0.065	-2.696	-4.62	7051.768
41123_1123	41123	1123	-31.367	-58.624	-0.037	-3.499	4.62	-7051.77
41123_1124	41123	1124	31.367	91.319	0.037	3.499	-4.199	6208.29
41124_1124	41124	1124	-31.368	-114.303	-0.333	2.624	4.199	-6208.29
41124_1125	41124	1125	31.368	147.028	0.333	-2.624	-0.445	4736.923
41125_1125	41125	1125	-31.368	-147.028	-0.278	-5.756	0.445	-4736.92
41125_1126	41125	1126	31.368	179.723	0.278	5.756	2.681	2898.888
41126_1126	41126	1126	-31.37	-196.499	-2.161	-3.123	-2.681	-2898.89
41126_1127	41126	1127	31.37	237.041	2.161	3.123	32.826	-125.131
41127_1127	41127	1127	-28.574	-237.456	-2.126	-2.11	-32.845	115.454
41127_1128	41127	1128	28.307	260.911	2.126	2.11	50.386	-2171.34
41128_1128	41128	1128	-22.046	-277.055	2.129	-9.724	-50.654	2171.299
41128_1129	41128	1129	20.94	310.748	-2.129	9.724	25.623	-5626.18
41129_1129	41129	1129	-12.125	-311.344	2.195	6.808	-24.945	5628.571
41129_1130	41129	1130	9.502	354.39	-2.195	-6.808	-4.204	-10045.8
41130_1130	41130	1130	3.194	-386.823	-3.994	-8.843	3.055	10045.77
41130_1131	41130	1131	-6.965	429.115	3.994	8.843	47.136	-15163.7
41131_1131	41131	1131	18.776	-428.807	-3.969	4.525	-45.936	15163.69
41131_1132	41131	1132	-23.992	473.392	3.969	-4.525	96.025	-20842.8
41132_1132	41132	1132	-1889.44	206.076	28.058	18.37	-295.37	5797.278
41132_1133	41132	1133	1889.444	-176.39	-28.058	-18.37	28.815	-3980.56
41133_1133	41133	1133	-1889.48	176.39	25.62	14.604	-28.815	3996.941
41133_1134	41133	1134	1889.479	-153.884	-25.62	-14.604	-169.744	-2717.13
41134_1134	41134	1134	-1889.65	153.884	-3.635	-27.464	169.744	2717.032
41134_1135	41134	1135	1889.649	-131.374	3.635	27.464	-141.569	-1611.5
41135_1135	41135	1135	-1889.75	110.937	-3.744	0.748	141.569	1612.074
41135_1136	41135	1136	1889.747	-87.7	3.744	-0.748	-111.612	-817.366
41136_1136	41136	1136	-1889.74	87.7	-6.105	-0.273	111.612	817.366
41136_1137	41136	1137	1889.741	-64.463	6.105	0.273	-62.76	-208.576
41137_1137	41137	1137	-1889.75	64.463	-3.744	-0.013	62.76	208.576
41137_1138	41137	1138	1889.747	-41.226	3.744	0.013	-32.802	214.263
41138_1138	41138	1138	-1889.83	25.503	-2.907	0.297	32.802	-214.264
41138_1139	41138	1139	1889.826	-8.104	2.907	-0.297	-15.386	314.942
41139_1139	41139	1139	-1889.83	8.104	0.31	-0.239	15.386	-314.942

41139_1140	41139	1140	1889.828	9.324	-0.31	0.239	-17.244	311.283
41140_1140	41140	1140	-1889.83	-9.324	0.31	-0.239	17.244	-311.283
41140_1141	41140	1141	1889.828	26.751	-0.31	0.239	-19.103	203.038
41141_1141	41141	1141	-1889.83	-26.751	-2.839	0.099	19.103	-203.038
41141_1142	41141	1142	1889.826	44.179	2.839	-0.099	-2.068	-9.804
41142_1142	41142	1142	-1889.83	-63.744	0.246	0.166	2.068	9.804
41142_1143	41142	1143	1889.827	86.981	-0.246	-0.166	-4.039	-612.823
41143_1143	41143	1143	-1889.83	-86.981	0.246	0.166	4.039	612.823
41143_1144	41143	1144	1889.827	110.217	-0.246	-0.166	-6.011	-1401.77
41144_1144	41144	1144	-1889.83	-110.217	-2.115	-1.585	6.011	1401.772
41144_1145	41144	1145	1889.826	133.455	2.115	1.585	10.912	-2376.68
41145_1145	41145	1145	-1889.81	-149.57	-1.718	-1.915	-10.912	2376.646
41145_1146	41145	1146	1889.812	172.052	1.718	1.915	24.215	-3621.59
41146_1146	41146	1146	-1889.81	-172.052	-1.668	-1.818	-24.215	3621.587
41146_1147	41146	1147	1889.812	194.563	1.668	1.818	37.146	-5042.52
41147_1147	41147	1147	-1889.81	-194.563	-0.449	2.186	-37.146	5027.249
41147_1148	41147	1148	1889.813	224.255	0.449	-2.186	41.415	-7017.03
41148_1148	41148	1148	-10.567	441.261	-1.782	-6.029	8.997	22203.24
41148_1149	41148	1149	15.783	-396.702	1.782	6.029	13.395	-16932.1
41149_1149	41149	1149	-26.685	396.075	-1.734	7.542	-14.767	16932.06
41149_1150	41149	1150	30.456	-353.808	1.734	-7.542	36.485	-12231.7
41150_1150	41150	1150	-41.265	338.931	0.883	0.713	-35.792	12231.79
41150_1151	41150	1151	43.888	-295.875	-0.883	-0.713	24.069	-8019.16
41151_1151	41151	1151	-52.837	294.382	0.927	6.309	-24.172	8005.964
41151_1152	41151	1152	53.955	-260.283	-0.927	-6.309	13.273	-4745.55
41152_1152	41152	1152	-59.288	240.918	0.388	2.084	-13.14	4745.481
41152_1153	41152	1153	59.558	-217.178	-0.388	-2.084	9.938	-2855.39
41153_1153	41153	1153	-61.804	216.438	0.402	2.79	-9.919	2857.175
41153_1154	41153	1154	61.804	-177.901	-0.402	-2.79	4.394	-147.504
41154_1154	41154	1154	-61.804	159.711	0.33	2.512	-4.394	147.502
41154_1155	41154	1155	61.804	-128.859	-0.33	-2.512	0.768	1439.98
41155_1155	41155	1155	-61.803	128.859	0.386	1.203	-0.768	-1439.98
41155_1156	41155	1156	61.803	-98.008	-0.386	-1.203	-3.476	2688.001
41156_1156	41156	1156	-61.8	80.204	0.123	2.541	3.476	-2688.02
41156_1157	41156	1157	61.8	-52.101	-0.123	-2.541	-4.709	3351.017
41157_1157	41157	1157	-61.799	52.101	0.183	-0.736	4.709	-3351.02
41157_1158	41157	1158	61.799	-24.027	-0.183	0.736	-6.544	3732.113
41158_1158	41158	1158	-61.797	6.879	-0.022	1.653	6.544	-3732.14
41158_1159	41158	1159	61.797	21.224	0.022	-1.653	-6.324	3660.253
41159_1159	41159	1159	-61.797	-21.224	0.038	-1.926	6.324	-3660.25
41159_1160	41159	1160	61.797	49.298	-0.038	1.926	-6.709	3307.218
41160_1160	41160	1160	-61.792	-66.652	-0.265	-1.221	6.709	-3307.27
41160_1161	41160	1161	61.792	97.504	0.265	1.221	-3.79	2404.215
41161_1161	41161	1161	-61.792	-101.144	-0.265	-1.221	3.79	-2404.22
41161_1162	41161	1162	61.792	131.995	0.265	1.221	-0.872	1121.672
41162_1162	41162	1162	-61.781	-148.088	-0.75	-2.108	0.872	-1121.68
41162_1163	41162	1163	61.781	186.624	0.75	2.108	9.43	-1178.27
41163_1163	41163	1163	-59.554	-187.364	-0.764	-2.403	-9.449	1177.005
41163_1164	41163	1164	59.284	211.104	0.764	2.403	15.751	-2821.09
41164_1164	41164	1164	-54.051	-228.458	-0.627	-4.092	-15.828	2821.045
41164_1165	41164	1165	52.933	262.556	0.627	4.092	23.193	-5707.54
41165_1165	41165	1165	-45.453	-264.035	-0.624	-0.939	-23.163	5711.646
41165_1166	41165	1166	42.846	306.839	0.624	0.939	31.426	-9500.03
41166_1166	41166	1166	-32.797	-323.426	2.217	-7.304	-32.038	9499.967
41166_1167	41166	1167	29.047	365.457	-2.217	7.304	4.27	-13818.3

41167_1167	41167	1167	-18.942	-366.147	2.268	3.997	-3.149	13818.35
41167_1168	41167	1168	13.754	410.468	-2.268	-3.997	-25.332	-18704
41168_1168	41168	1168	-1682.78	220.737	-3.508	-0.999	71.207	6157.213
41168_1169	41168	1169	1682.779	-191.224	3.508	0.999	-37.87	-4199.96
41169_1169	41169	1169	-1682.78	191.224	-2.823	1.699	37.87	4219.763
41169_1170	41169	1170	1682.781	-168.63	2.823	-1.699	-15.987	-2825.03
41170_1170	41170	1170	-1682.78	168.63	-2.823	1.699	15.987	2825.03
41170_1171	41170	1171	1682.781	-146.036	2.823	-1.699	5.896	-1605.44
41171_1171	41171	1171	-1682.83	128.668	0.576	1.004	-5.896	1605.405
41171_1172	41171	1172	1682.828	-105.345	-0.576	-1.004	1.285	-669.165
41172_1172	41172	1172	-1682.83	105.345	-1.571	0.15	-1.285	669.166
41172_1173	41172	1173	1682.828	-82.051	1.571	-0.15	13.84	79.65
41173_1173	41173	1173	-1682.83	82.051	0.576	0.048	-13.84	-79.65
41173_1174	41173	1174	1682.828	-58.728	-0.576	-0.048	9.229	642.877
41174_1174	41174	1174	-1682.83	41.938	0.833	-0.168	-9.229	-642.881
41174_1175	41174	1175	1682.833	-24.446	-0.833	0.168	4.229	842.073
41175_1175	41175	1175	-1682.83	24.446	-1.97	1.235	-4.229	-842.072
41175_1176	41175	1176	1682.832	-6.953	1.97	-1.235	16.054	936.291
41176_1176	41176	1176	-1682.83	6.953	0.833	-0.325	-16.054	-936.292
41176_1177	41176	1177	1682.833	10.539	-0.833	0.325	11.055	925.531
41177_1177	41177	1177	-1682.83	-10.539	0.833	-0.325	-11.055	-925.531
41177_1178	41177	1178	1682.833	28.031	-0.833	0.325	6.055	809.796
41178_1178	41178	1178	-1682.84	-44.778	-0.891	0.056	-6.055	-809.81
41178_1179	41178	1179	1682.842	68.073	0.891	-0.056	13.175	358.869
41179_1179	41179	1179	-1682.84	-68.073	1.257	-0.402	-13.175	-358.869
41179_1180	41179	1180	1682.842	91.396	-1.257	0.402	3.12	-279.131
41180_1180	41180	1180	-1682.84	-91.396	1.257	-0.402	-3.12	279.131
41180_1181	41180	1181	1682.842	114.718	-1.257	0.402	-6.934	-1103.75
41181_1181	41181	1181	-1682.88	-131.876	2.213	-0.865	6.934	1103.756
41181_1182	41181	1182	1682.882	154.47	-2.213	0.865	-24.092	-2213.58
41182_1182	41182	1182	-1682.88	-158.11	2.213	-0.865	24.092	2213.583
41182_1183	41182	1183	1682.882	180.705	-2.213	0.865	-41.25	-3526.77
41183_1183	41183	1183	-1682.88	-180.705	1.528	-1.377	41.25	3509.193
41183_1184	41183	1184	1682.883	210.218	-1.528	1.377	-55.769	-5366.49
41184_1184	41184	1184	-16.028	417.122	-2.172	6.504	16.073	17792.73
41184_1185	41184	1185	21.216	-372.836	2.172	-6.504	11.185	-12827.6
41185_1185	41185	1185	-31.522	372.061	-2.222	-3.207	-10.081	12827.64
41185_1186	41185	1186	35.272	-329.996	2.222	3.207	37.935	-8423.56
41186_1186	41186	1186	-45.461	313.974	0.725	1.067	-38.257	8423.557
41186_1187	41186	1187	48.068	-271.17	-0.725	-1.067	28.643	-4540.66
41187_1187	41187	1187	-56.354	269.621	0.722	2.433	-28.617	4540.64
41187_1188	41187	1188	57.493	-234.904	-0.722	-2.433	20.131	-1575.02
41188_1188	41188	1188	-62.305	214.184	0.793	1.955	-20.083	1575.008
41188_1189	41188	1189	62.58	-190.039	-0.793	-1.955	13.55	90.782
41189_1189	41189	1189	-64.525	189.239	0.763	1.971	-13.541	-99.915
41189_1190	41189	1190	64.525	-148.549	-0.763	-1.971	3.048	2422.724
41190_1190	41190	1190	-64.517	130.007	0.471	-0.345	-3.048	-2422.72
41190_1191	41190	1191	64.517	-97.455	-0.471	0.345	-2.137	3674.009
41191_1191	41191	1191	-64.518	97.455	0.413	2.993	2.137	-3674.01
41191_1192	41191	1192	64.518	-64.903	-0.413	-2.993	-6.677	4567.174
41192_1192	41192	1192	-64.509	45.859	-0.025	2.525	6.677	-4567.17
41192_1193	41192	1193	64.509	-15.941	0.025	-2.525	-6.419	4879.634
41193_1193	41193	1193	-64.509	15.941	0.038	-2.3	6.419	-4879.63
41193_1194	41193	1194	64.509	13.977	-0.038	2.3	-6.807	4889.562
41194_1194	41194	1194	-64.49	-32.36	-0.837	-1.184	6.807	-4889.65

41194_1195	41194	1195	64.49	62.278	0.837	1.184	1.655	4411.152
41195_1195	41195	1195	-64.49	-62.278	-0.837	-1.184	-1.655	-4411.15
41195_1196	41195	1196	64.49	92.196	0.837	1.184	10.116	3630.116
41196_1196	41196	1196	-64.512	-111.486	0.025	-3.304	-10.116	-3630.1
41196_1197	41196	1197	64.512	144.038	-0.025	3.304	9.84	2224.435
41197_1197	41197	1197	-64.512	-144.038	-0.035	-1.241	-9.84	-2224.44
41197_1198	41197	1198	64.512	176.56	0.035	1.241	10.223	462.367
41198_1198	41198	1198	-64.475	-198.374	-1.367	-3.151	-10.223	-462.41
41198_1199	41198	1199	64.475	239.063	1.367	3.151	29.016	-2545.59
41199_1199	41199	1199	-61.606	-239.877	-1.382	-3.864	-29.048	2565.44
41199_1200	41199	1200	61.317	264.892	1.382	3.864	40.453	-4648.14
41200_1200	41200	1200	-54.814	-285.389	1.479	-6.106	-40.566	4648.045
41200_1201	41200	1201	53.614	321.304	-1.479	6.106	23.173	-8214.72
41201_1201	41201	1201	-44.404	-322.786	1.481	-0.283	-23.059	8207.341
41201_1202	41201	1202	41.555	368.881	-1.481	0.283	3.385	-12794.4
41202_1202	41202	1202	-29.274	-389.428	0.207	-0.991	-3.389	12794.51
41202_1203	41202	1203	25.197	434.632	-0.207	0.991	0.839	-17965.1
41203_1203	41203	1203	-13.138	-435.211	0.207	-1.028	-0.863	17965.12
41203_1204	41203	1204	7.529	482.672	-0.207	1.028	-1.673	-23740.6
41204_1204	41204	1204	-2070.72	234.176	3.335	3.364	-30.223	7571.577
41204_1205	41204	1205	2070.722	-202.278	-3.335	-3.364	-1.464	-5498.01
41205_1205	41205	1205	-2070.72	202.278	1.944	-0.171	1.464	5251.632
41205_1206	41205	1206	2070.724	-177.769	-1.944	0.171	-16.515	-3780.54
41206_1206	41206	1206	-2070.72	177.769	1.999	-0.07	16.515	3780.538
41206_1207	41206	1207	2070.724	-153.228	-1.999	0.07	-32.014	-2497.65
41207_1207	41207	1207	-2070.52	133.266	-6.795	-0.259	32.014	2497.687
41207_1208	41207	1208	2070.518	-107.933	6.795	0.259	22.355	-1532.67
41208_1208	41208	1208	-2070.53	107.933	-4.208	1.656	-22.355	1532.673
41208_1209	41208	1209	2070.525	-82.601	4.208	-1.656	56.023	-770.382
41209_1209	41209	1209	-2070.53	82.601	-4.208	1.656	-56.023	770.382
41209_1210	41209	1210	2070.525	-57.27	4.208	-1.656	89.69	-210.786
41210_1210	41210	1210	-2070.66	39.47	-2.55	0.729	-89.69	210.772
41210_1211	41210	1211	2070.657	-20.471	2.55	-0.729	104.993	-30.908
41211_1211	41211	1211	-2070.66	20.471	0.9	0.78	-104.993	30.906
41211_1212	41211	1212	2070.659	-1.472	-0.9	-0.78	99.594	34.934
41212_1212	41212	1212	-2070.66	1.472	0.831	0.781	-99.594	-34.934
41212_1213	41212	1213	2070.659	17.495	-0.831	-0.781	94.618	-13.066
41213_1213	41213	1213	-2070.66	-17.495	-2.55	0.76	-94.618	13.067
41213_1214	41213	1214	2070.657	36.495	2.55	-0.76	109.921	-175.077
41214_1214	41214	1214	-2070.8	-54.542	6.303	0.486	-109.921	175.061
41214_1215	41214	1215	2070.795	79.874	-6.303	-0.486	59.485	-712.834
41215_1215	41215	1215	-2070.8	-79.874	3.716	-0.404	-59.485	712.834
41215_1216	41215	1216	2070.801	105.207	-3.716	0.404	29.752	-1453.33
41216_1216	41216	1216	-2070.8	-105.207	6.303	1.412	-29.752	1453.324
41216_1217	41216	1217	2070.795	130.538	-6.303	-1.412	-20.684	-2396.49
41217_1217	41217	1217	-2070.71	-149.487	1.506	-1.428	20.684	2396.459
41217_1218	41217	1218	2070.706	174.028	-1.506	1.428	-32.358	-3650.35
41218_1218	41218	1218	-2070.71	-174.028	1.451	-1.525	32.358	3650.346
41218_1219	41218	1219	2070.706	198.537	-1.451	1.525	-43.589	-5092.48
41219_1219	41219	1219	-2070.71	-198.537	2.841	2.768	43.589	5340.341
41219_1220	41219	1220	2070.705	230.435	-2.841	-2.768	-70.588	-7378.36
41220_1220	41220	1220	11.368	493.222	0.896	-41.706	29.164	23686.59
41220_1221	41220	1221	-5.76	-445.764	-0.896	41.706	-40.49	-17779.4
41221_1221	41221	1221	-6.529	445.685	1.117	42.141	31.459	17779.44
41221_1222	41221	1222	10.607	-400.488	-1.117	-42.141	-45.518	-12471.3

41222_1222	41222	1222	-22.606	387.058	-1.116	-2.936	49.416	12469.85
41222_1223	41222	1223	25.455	-340.935	1.116	2.936	-34.57	-7639.24
41223_1223	41223	1223	-35.849	339.985	-0.938	31.011	33.622	7648.627
41223_1224	41223	1224	37.069	-303.468	0.938	-31.011	-22.596	-3866.9
41224_1224	41224	1224	-43.393	282.17	0.594	-0.932	23.265	3866.395
41224_1225	41224	1225	43.688	-256.732	-0.594	0.932	-28.167	-1643.35
41225_1225	41225	1225	-46.366	256.104	0.763	4.748	28.199	1632.357
41225_1226	41225	1226	46.366	-203.913	-0.763	-4.748	-40.722	2142.086
41226_1226	41226	1226	-46.337	180.582	-0.356	12.748	40.722	-2141.77
41226_1227	41226	1227	46.337	-141.334	0.356	-12.748	-36.334	4128.018
41227_1227	41227	1227	-46.338	141.334	-0.13	-7.355	36.334	-4128.03
41227_1228	41227	1228	46.338	-102.117	0.13	7.355	-34.732	5628.982
41228_1228	41228	1228	-46.303	77.391	-1.079	11.471	34.732	-5627.74
41228_1229	41228	1229	46.303	-35.981	1.079	-11.471	-21.417	6327.296
41229_1229	41229	1229	-46.306	35.981	-0.928	-9.118	21.417	-6327.3
41229_1230	41229	1230	46.306	5.397	0.928	9.118	-9.971	6515.871
41230_1230	41230	1230	-46.407	-30.244	1.51	8.6	9.971	-6513.59
41230_1231	41230	1231	46.407	71.626	-1.51	-8.6	-28.599	5885.424
41231_1231	41231	1231	-46.402	-71.626	1.662	-10.599	28.599	-5885.42
41231_1232	41231	1232	46.402	112.977	-1.662	10.599	-49.079	4747.93
41232_1232	41232	1232	-46.461	-139.359	3.345	4.434	49.079	-4746.66
41232_1233	41232	1233	46.461	172.523	-3.345	-4.434	-82.144	3205.383
41233_1233	41233	1233	-46.45	-172.523	3.493	-5.772	82.144	-3205.38
41233_1234	41233	1234	46.45	211.028	-3.493	5.772	-122.23	1004.689
41234_1234	41234	1234	-45.202	-211.334	3.703	-10.867	122.172	-1005.36
41234_1235	41234	1235	45.143	222.053	-3.703	10.867	-133.806	324.515
41235_1235	41235	1235	-38.889	-241.422	-2.838	-5.077	133.792	-344.512
41235_1236	41235	1236	38.179	266.149	2.838	5.077	-113.515	-1469.39
41236_1236	41236	1236	-39.003	-266.014	-2.743	-1.733	113.597	1469.394
41236_1237	41236	1237	38.131	299.872	2.743	1.733	-86.942	-4219.49
41237_1237	41237	1237	-30.414	-300.816	-2.616	5.966	87.397	4211.038
41237_1238	41237	1238	29.429	320.055	2.616	-5.966	-74.901	-5694.99
41238_1238	41238	1238	-23.083	-338.804	2.061	-15.022	73.661	5692.885
41238_1239	41238	1239	20.1	382.745	-2.061	15.022	-95.842	-9568.54
41239_1239	41239	1239	-10.951	-383.175	2.195	9.998	97.996	9568.517
41239_1240	41239	1240	6.722	429.277	-2.195	-9.998	-122.13	-14022.8
41240_1240	41240	1240	8.835	-452.272	-22.849	-29.734	118.223	14015.84
41240_1241	41240	1241	-14.908	504.219	22.849	29.734	154.203	-19712.5
41241_1241	41241	1241	-1986.23	283.61	-5.002	22.971	252.612	6283.95
41241_1242	41241	1242	1986.227	-246.114	5.002	-22.971	-205.074	-3766.92
41242_1242	41242	1242	-1986.23	246.114	-2.803	26.948	205.074	3766.278
41242_1243	41242	1243	1986.231	-233.789	2.803	-26.948	-196.203	-3006.94
41243_1243	41243	1243	-1983.81	214.755	-32.127	-2.934	196.203	3004.296
41243_1244	41243	1244	1983.807	-178.868	32.127	2.934	99.822	-1190.85
41244_1244	41244	1244	-1983.9	178.868	-25.65	0.954	-99.822	1190.854
41244_1245	41244	1245	1983.901	-138.332	25.65	-0.954	366.786	459.84
41245_1245	41245	1245	-1984.3	123.212	-14.83	3.09	-366.786	-459.605
41245_1246	41245	1246	1984.304	-85.245	14.83	-3.09	511.352	1475.677
41246_1246	41246	1246	-1984.34	85.245	-8.419	-1.678	-511.352	-1475.68
41246_1247	41246	1247	1984.342	-46.762	8.419	1.678	594.533	2127.842
41247_1247	41247	1247	-1984.46	28.446	0.173	3.701	-594.533	-2127.05
41247_1248	41247	1248	1984.458	6.923	-0.173	-3.701	592.96	2224.776
41248_1248	41248	1248	-1984.45	-6.923	4.077	-0.675	-592.96	-2224.78
41248_1249	41248	1249	1984.454	47.957	-4.077	0.675	550.009	1935.671
41249_1249	41249	1249	-1983.32	-67.768	-9.777	3.534	-550.009	-1935.08

41249_1250	41249	1250	1983.315	108.032	9.777	-3.534	651.087	1026.374
41250_1250	41250	1250	-1983.34	-108.032	-1.812	-0.587	-651.087	-1026.38
41250_1251	41250	1251	1983.339	144.206	1.812	0.587	667.921	-145.004
41251_1251	41251	1251	-1986.16	-171.012	62.415	-3.351	-667.921	144.857
41251_1252	41251	1252	1986.161	210.475	-62.415	3.351	35.511	-2077.55
41252_1252	41252	1252	-1985.96	-214.115	68.453	2.966	-35.511	2077.548
41252_1253	41252	1253	1985.963	257.769	-68.453	-2.966	-731.755	-4722.14
41253_1253	41253	1253	-1986.01	-257.769	67.035	-0.413	731.755	4722.335
41253_1254	41253	1254	1986.011	270.24	-67.035	0.413	-943.632	-5556.78
41254_1254	41254	1254	-1981.27	-295.824	-31.48	-53.708	943.632	5553.487
41254_1255	41254	1255	1981.265	320.815	31.48	53.708	-744.238	-7506.36
41255_1255	41255	1255	9.166	464.98	-45.817	9.214	670.792	21094.41
41255_1256	41255	1256	-4.855	-429.354	45.817	-9.214	-298.581	-17463.7
41256_1256	41256	1256	-2.354	429.358	-45.725	38.77	294.981	17463.68
41256_1257	41256	1257	5.589	-398.291	45.725	-38.77	37.499	-14455.9
41257_1257	41257	1257	-16.417	379.057	0.821	-16.942	-31.852	14452.57
41257_1258	41257	1258	20.086	-335.795	-0.821	16.942	23.162	-10742.4
41258_1258	41258	1258	-28.458	335.102	0.963	14.855	-25.604	10742.43
41258_1259	41258	1259	31.519	-283.79	-0.963	-14.855	13.324	-6831.77
41259_1259	41259	1259	-39.454	270.88	4.067	-6.166	-12.491	6940.538
41259_1260	41259	1260	40.722	-233.405	-4.067	6.166	-30.417	-4280.55
41260_1260	41260	1260	-45.781	232.023	4.176	2.761	30.321	4280.552
41260_1261	41260	1261	46.19	-198.665	-4.176	-2.761	-69.79	-2245.25
41261_1261	41261	1261	-48.66	197.816	4.2	3.857	69.79	2268.762
41261_1262	41261	1262	48.66	-186.797	-4.2	-3.857	-83.094	-1659.68
41262_1262	41262	1262	-48.497	157.32	-3.17	1.954	83.094	1659.496
41262_1263	41262	1263	48.497	-118.651	3.17	-1.954	-47.863	-125.792
41263_1263	41263	1263	-48.508	118.651	-3	2.394	47.863	125.785
41263_1264	41263	1264	48.508	-77.132	3	-2.394	-12.062	1042.485
41264_1264	41264	1264	-48.555	53.151	0.091	2.388	12.062	-1042.44
41264_1265	41264	1265	48.555	-12.876	-0.091	-2.388	-13.12	1424.631
41265_1265	41265	1265	-48.554	12.876	0.266	-2.736	13.12	-1424.63
41265_1266	41265	1266	48.554	27.065	-0.266	2.736	-16.175	1343.179
41266_1266	41266	1266	-48.548	-51.773	-0.646	-1.528	16.175	-1343.13
41266_1267	41266	1267	48.548	92.4	0.646	1.528	-8.634	501.307
41267_1267	41267	1267	-48.549	-92.4	-0.526	-2.764	8.634	-501.302
41267_1268	41267	1268	48.549	131.953	0.526	2.764	-2.653	-774.035
41268_1268	41268	1268	-48.555	-156.21	-1.955	-8.653	2.653	774.064
41268_1269	41268	1269	48.555	201.61	1.955	8.653	22.86	-3108.82
41269_1269	41269	1269	-48.561	-201.61	-1.797	1.485	-22.86	3108.834
41269_1270	41269	1270	48.561	241.449	1.797	-1.485	43.434	-5645.64
41270_1270	41270	1270	-48.561	-261.547	2.749	-22.875	-43.434	5645.667
41270_1271	41270	1271	48.561	293.434	-2.749	22.875	18.234	-8189.04
41271_1271	41271	1271	-48.554	-297.074	2.874	-1.936	-18.234	8189.073
41271_1272	41271	1272	48.554	335.893	-2.874	1.936	-13.829	-11720.5
41272_1272	41272	1272	-46.396	-336.337	2.997	28.988	13.961	11686.88
41272_1273	41272	1273	46.294	351.842	-2.997	-28.988	-26.463	-13122.4
41273_1273	41273	1273	-41.109	-377.047	19.468	-29.428	25.889	13123.42
41273_1274	41273	1274	40.526	406.696	-19.468	29.428	-180.731	-16240.1
41274_1274	41274	1274	-33.705	-407.642	19.538	-8.889	181.001	16240.16
41274_1275	41274	1275	32.618	437.223	-19.538	8.889	-334.931	-19568
41275_1275	41275	1275	-26.914	-437.681	19.717	57.335	337.789	19540.74
41275_1276	41275	1276	26.041	455.219	-19.717	-57.335	-420.234	-21407.5
41276_1276	41276	1276	-17.33	-468.825	-78.096	-67.295	413.872	21302.14
41276_1277	41276	1277	13.972	518.928	78.096	67.295	505.314	-27113.5

41277_1277	41277	1277	-0.427	-519.163	-77.906	50.488	-497.14	27113.71
41277_1278	41277	1278	-4.861	575.541	77.906	-50.488	1495.067	-34121.9
41278_1278	41278	1278	17.604	-564.804	131.259	-81.035	-1513.37	34122.42
41278_1279	41278	1279	-22.824	608.886	-131.259	81.035	247.228	-39781.7
41279_1279	41279	1279	-2777.25	383.133	46.058	45.419	-868.855	14935.57
41279_1280	41279	1280	2777.25	-344.178	-46.058	-45.419	431.2	-11480
41280_1280	41280	1280	-2777.22	344.178	47.6	56.133	-431.2	11704.44
41280_1281	41280	1281	2777.224	-323.27	-47.6	-56.133	173.197	-9895.56
41281_1281	41281	1281	-2777.22	306.179	-22.826	-10.432	-173.197	9929.544
41281_1282	41281	1282	2777.219	-262.079	22.826	10.432	455.314	-6417.85
41282_1282	41282	1282	-2777.28	262.079	-14.521	8.76	-455.314	6417.847
41282_1283	41282	1283	2777.275	-218.754	14.521	-8.76	631.632	-3498.57
41283_1283	41283	1283	-2777.27	170.089	13.623	-0.648	-631.632	3498.566
41283_1284	41283	1284	2777.267	-125.824	-13.623	0.648	462.621	-1663.03
41284_1284	41284	1284	-2777.21	125.824	22.638	4.75	-462.621	1663.019
41284_1285	41284	1285	2777.208	-87.441	-22.638	-4.75	219.092	-515.942
41285_1285	41285	1285	-2777.1	49.935	30.07	1.16	-219.092	515.809
41285_1286	41285	1286	2777.1	-10.007	-30.07	-1.16	-117.393	-180.43
41286_1286	41286	1286	-2777	10.007	38.393	1.7	117.393	180.425
41286_1287	41286	1287	2776.997	27.112	-38.393	-1.7	-516.798	-269.396
41287_1287	41287	1287	-2777.27	-64.282	-21.449	-1.819	516.798	269.416
41287_1288	41287	1288	2777.271	111.014	21.449	1.819	-235.875	-1417.37
41288_1288	41288	1288	-2777.33	-114.654	-11.891	3.058	235.875	1417.372
41288_1289	41288	1289	2777.328	154.695	11.891	-3.058	-102.43	-2928.7
41289_1289	41289	1289	-2777.36	-189.796	-4.371	-4.022	102.43	2928.763
41289_1290	41289	1290	2777.364	204.085	4.371	4.022	-84.925	-3717.46
41290_1290	41290	1290	-2777.37	-204.085	-0.37	1.217	84.925	3488.753
41290_1291	41290	1291	2777.367	240.282	0.37	-1.217	-81.406	-5599.47
41291_1291	41291	1291	79.739	812.464	22.067	-2.136	-260.996	26776.62
41291_1292	41291	1292	-76.13	-780.573	-22.067	2.136	96.783	-20850.6
41292_1292	41292	1292	53.423	751.313	4.689	-26.303	-94.574	20851.03
41292_1293	41292	1293	-48.83	-698.73	-4.689	26.303	35.146	-11660.1
41293_1293	41293	1293	27.585	699.84	4.742	27.665	-39.068	11660.12
41293_1294	41293	1294	-25.036	-654.837	-4.742	-27.665	-13.996	-4081.07
41294_1294	41294	1294	8.973	621.534	-1.246	6.527	15.442	4059.939
41294_1295	41294	1295	-8.036	-593.74	1.246	-6.527	-6.651	225.389
41295_1295	41295	1295	-3.392	593.783	-1.199	4.471	6.709	-224.247
41295_1296	41295	1296	3.751	-568.726	1.199	-4.471	1.872	4384.574
41296_1296	41296	1296	-11.503	568.62	-1.186	-0.229	-1.817	-4384.58
41296_1297	41296	1297	11.523	-537.889	1.186	0.229	12.25	9250.244
41297_1297	41297	1297	-11.877	498.526	1.21	39.14	-12.25	-9250.27
41297_1298	41297	1298	11.877	-484.368	-1.21	-39.14	7.347	11241.77
41298_1298	41298	1298	-11.875	484.368	1.229	21.308	-7.347	-11241.8
41298_1299	41298	1299	11.875	-450.96	-1.229	-21.308	-3.057	15200.94
41299_1299	41299	1299	-11.871	450.96	1.267	-27.381	3.057	-15200.9
41299_1300	41299	1300	11.871	-403.663	-1.267	27.381	-18.242	20322.43
41300_1300	41300	1300	-11.866	356.27	1.437	51.325	18.242	-20322.5
41300_1301	41300	1301	11.866	-304.324	-1.437	-51.325	-37.154	24670.3
41301_1301	41301	1301	-11.86	304.324	1.484	-47.542	37.154	-24670.3
41301_1302	41301	1302	11.86	-259.619	-1.484	47.542	-53.967	27864.6
41302_1302	41302	1302	-11.858	207.859	0.077	69.765	53.967	-27864.7
41302_1303	41302	1303	11.858	-154.734	-0.077	-69.765	-55.009	30305.35
41303_1303	41303	1303	-11.858	154.734	0.133	-72.387	55.009	-30305.3
41303_1304	41303	1304	11.858	-111.164	-0.133	72.387	-56.478	31773.21
41304_1304	41304	1304	-11.854	57.244	1.394	64.866	56.478	-31773.4

41304_1305	41304	1305	11.854	-5.684	-1.394	-64.866	-74.688	32184.47
41305_1305	41305	1305	-11.849	5.684	1.441	-63.138	74.688	-32184.5
41305_1306	41305	1306	11.849	39.425	-1.441	63.138	-91.157	31991.63
41306_1306	41306	1306	-11.845	-95.911	0.734	59.244	91.157	-31991.6
41306_1307	41306	1307	11.845	142.723	-0.734	-59.244	-99.869	30576.22
41307_1307	41307	1307	-11.842	-142.723	0.776	-47.542	99.869	-30576.2
41307_1308	41307	1308	11.842	192.588	-0.776	47.542	-109.672	28457.71
41308_1308	41308	1308	-11.835	-242.81	2.729	51.455	109.672	-28457.8
41308_1309	41308	1309	11.835	290.809	-2.729	-51.455	-142.864	25212.46
41309_1309	41309	1309	-11.825	-290.809	2.774	-45.191	142.864	-25212.5
41309_1310	41309	1310	11.825	339.509	-2.774	45.191	-177.099	21323.12
41310_1310	41310	1310	-11.824	-384.235	-1.713	30.298	177.099	-21323.1
41310_1311	41310	1311	11.824	434.785	1.713	-30.298	-155.162	16077.44
41311_1311	41311	1311	-11.83	-434.785	-1.667	-31.252	155.162	-16077.4
41311_1312	41311	1312	11.83	485.224	1.667	31.252	-133.852	10197.93
41312_1312	41312	1312	-11.857	-528.391	-7.456	2.49	133.852	-10197.9
41312_1313	41312	1313	11.857	599.235	7.456	-2.49	0	76.052
42000_2000	42000	2000	-0.683	16.526	-4.876	5.765	0	-0.799
42000_2001	42000	2001	0.683	9.27	4.876	-5.765	77.827	58.704
42001_2001	42001	2001	-0.679	-9.27	-4.877	5.813	-77.827	-58.7
42001_2002	42001	2002	0.679	26.442	4.877	-5.813	129.64	-131.018
42002_2002	42002	2002	-0.46	22.752	6.822	4.182	-129.64	130.98
42002_2003	42002	2003	0.46	-3.075	-6.822	-4.182	46.578	26.248
42003_2003	42003	2003	-0.459	3.075	6.822	4.18	-46.578	-26.248
42003_2004	42003	2004	0.459	16.619	-6.822	-4.18	-36.552	-56.273
42004_2004	42004	2004	-0.575	19.706	-0.258	3.521	36.552	55.998
42004_2005	42004	2005	0.575	-0.028	0.258	-3.521	-33.412	64.141
42005_2005	42005	2005	-0.575	0.028	-0.258	3.567	33.412	-64.138
42005_2006	42005	2006	0.575	19.667	0.258	-3.567	-30.264	-55.526
42006_2006	42006	2006	-0.569	20.046	0.181	1.594	30.264	55.513
42006_2007	42006	2007	0.569	-0.367	-0.181	-1.594	-32.47	68.767
42007_2007	42007	2007	-0.569	0.367	0.181	1.594	32.47	-68.767
42007_2008	42007	2008	0.569	19.313	-0.181	-1.594	-34.677	-46.583
42008_2008	42008	2008	-0.571	19.488	-0.027	-0.269	34.677	46.912
42008_2009	42008	2009	0.571	0.193	0.027	0.269	-34.343	70.577
42009_2009	42009	2009	-0.571	-0.193	-0.027	-0.334	34.343	-70.577
42009_2010	42009	2010	0.571	19.889	0.027	0.334	-34.015	-51.786
42010_2010	42010	2010	-0.573	19.283	-0.248	-2.059	34.015	51.797
42010_2011	42010	2011	0.573	0.399	0.248	2.059	-30.996	63.184
42011_2011	42011	2011	-0.573	-0.399	-0.248	-2.059	30.996	-63.184
42011_2012	42011	2012	0.573	20.08	0.248	2.059	-27.977	-61.512
42012_2012	42012	2012	-0.572	18.664	-0.112	-3.503	27.977	61.264
42012_2013	42012	2013	0.572	1.014	0.112	3.503	-26.609	46.183
42013_2013	42013	2013	-0.572	-1.014	-0.112	-3.545	26.609	-46.18
42013_2014	42013	2014	0.572	20.706	0.112	3.545	-25.246	-86.138
42014_2014	42014	2014	-0.58	18.295	-2.212	-3.706	25.246	86.079
42014_2015	42014	2015	0.58	8.511	2.212	3.706	11.445	-4.939
42015_2015	42015	2015	-0.582	-8.511	-2.212	-3.716	-11.445	4.944
42015_2016	42015	2016	0.582	21.84	2.212	3.716	29.687	-130.1
42016_2016	42016	2016	-0.6	19.638	-0.05	-2.8	-29.687	130.776
42016_2017	42016	2017	0.6	-0.913	0.05	2.8	30.277	-9.988
42017_2017	42017	2017	-0.6	0.913	-0.05	-2.794	-30.277	9.989
42017_2018	42017	2018	0.6	20.183	0.05	2.794	30.936	-137.602
42018_2018	42018	2018	-0.62	19.456	3.897	-1.749	-30.936	137.738
42018_2019	42018	2019	0.62	0.456	-3.897	1.749	-17.779	-18.979

42019_2019	42019	2019	-0.617	-0.456	3.897	-1.734	17.779	18.98
42019_2020	42019	2020	0.617	20.367	-3.897	1.734	-66.496	-149.119
42020_2020	42020	2020	-0.643	21.139	-3.76	-0.954	66.496	149.161
42020_2021	42020	2021	0.643	-5.999	3.76	0.954	-30.759	-20.185
42021_2021	42021	2021	-0.638	5.999	-3.761	-0.987	30.759	20.185
42021_2022	42021	2022	0.638	6.338	3.761	0.987	-1.631	-21.498
42022_2022	42022	2022	-0.639	-6.338	-3.76	-0.984	1.631	21.498
42022_2023	42022	2023	0.639	18.692	3.76	0.984	27.533	-118.562
42023_2023	42023	2023	-0.635	19.394	0.379	-0.33	-27.533	118.512
42023_2024	42023	2024	0.635	-6.656	-0.379	0.33	24.501	-14.359
42024_2024	42024	2024	-0.635	6.656	0.379	-0.33	-24.501	14.359
42024_2025	42024	2025	0.635	6.081	-0.379	0.33	21.47	-12.057
42025_2025	42025	2025	-0.635	-6.081	0.378	-0.344	-21.47	12.056
42025_2026	42025	2026	0.635	18.835	-0.378	0.344	18.439	-111.813
42026_2026	42026	2026	-0.638	18.912	0.083	-0.377	-18.439	111.633
42026_2027	42026	2027	0.638	-9.351	-0.083	0.377	17.941	-26.814
42027_2027	42027	2027	-0.638	9.351	0.084	-0.337	-17.941	26.814
42027_2028	42027	2028	0.638	0.192	-0.084	0.337	17.437	0.624
42028_2028	42028	2028	-0.638	-0.192	0.083	-0.336	-17.437	-0.624
42028_2029	42028	2029	0.638	9.752	-0.083	0.336	16.938	-29.219
42029_2029	42029	2029	-0.638	-9.752	0.083	-0.336	-16.938	29.219
42029_2030	42029	2030	0.638	19.313	-0.083	0.336	16.439	-116.445
42030_2030	42030	2030	-0.643	18.398	-0.483	-0.352	-16.439	116.388
42030_2031	42030	2031	0.643	-5.652	0.483	0.352	20.306	-20.16
42031_2031	42031	2031	-0.642	5.652	-0.484	-0.38	-20.306	20.159
42031_2032	42031	2032	0.642	7.08	0.484	0.38	24.176	-25.866
42032_2032	42032	2032	-0.643	-7.08	-0.483	-0.344	-24.176	25.866
42032_2033	42032	2033	0.643	19.826	0.483	0.344	28.043	-133.52
42033_2033	42033	2033	-0.61	18.552	2.329	0.025	-28.043	133.542
42033_2034	42033	2034	0.61	-6.199	-2.329	-0.025	9.978	-37.565
42034_2034	42034	2034	-0.608	6.199	2.33	0.068	-9.978	37.565
42034_2035	42034	2035	0.608	6.137	-2.33	-0.068	-8.067	-37.325
42035_2035	42035	2035	-0.606	-6.137	2.33	0.09	8.067	37.325
42035_2036	42035	2036	0.606	21.272	-2.33	-0.09	-30.211	-167.544
42036_2036	42036	2036	-0.718	21.099	-2.717	0.873	30.211	167.56
42036_2037	42036	2037	0.718	-1.179	2.717	-0.873	3.772	-28.262
42037_2037	42037	2037	-0.717	1.179	-2.717	0.871	-3.772	28.262
42037_2038	42037	2038	0.717	18.726	2.717	-0.871	37.728	-137.893
42038_2038	42038	2038	-0.66	14.362	0.932	1.88	-37.728	137.899
42038_2039	42038	2039	0.66	6.729	-0.932	-1.88	25.392	-87.359
42039_2039	42039	2039	-0.66	-6.729	0.932	2.074	-25.392	86.831
42039_2040	42039	2040	0.66	25.1	-0.932	-2.074	14.44	-273.908
42040_2040	42040	2040	-0.688	19.224	-0.468	2.888	-14.44	274.034
42040_2041	42040	2041	0.688	-6.328	0.468	-2.888	18.303	-168.613
42041_2041	42041	2041	-0.688	6.328	-0.468	2.891	-18.303	168.613
42041_2042	42041	2042	0.688	18.93	0.468	-2.891	25.869	-270.451
42042_2042	42042	2042	-0.661	21.113	1.859	2.345	-25.869	270.476
42042_2043	42042	2043	0.661	-2.404	-1.859	-2.345	3.619	-129.714
42043_2043	42043	2043	-0.66	2.404	1.859	2.444	-3.619	129.712
42043_2044	42043	2044	0.66	16.288	-1.859	-2.444	-18.617	-212.741
42044_2044	42044	2044	-0.679	19.886	0.094	1.279	18.617	212.882
42044_2045	42044	2045	0.679	-1.177	-0.094	-1.279	-19.743	-86.808
42045_2045	42045	2045	-0.679	1.177	0.094	1.279	19.743	86.808
42045_2046	42045	2046	0.679	17.532	-0.094	-1.279	-20.87	-184.701
42046_2046	42046	2046	-0.681	19.552	-0.134	-0.261	20.87	184.516

42046_2047	42046	2047	0.681	-0.851	0.134	0.261	-19.268	-62.442
42047_2047	42047	2047	-0.681	0.851	-0.134	-0.261	19.268	62.442
42047_2048	42047	2048	0.681	17.851	0.134	0.261	-17.667	-164.154
42048_2048	42048	2048	-0.683	18.971	-0.281	-1.612	17.667	164.058
42048_2049	42048	2049	0.683	-0.271	0.281	1.612	-14.308	-48.936
42049_2049	42049	2049	-0.683	0.271	-0.281	-1.653	14.308	48.935
42049_2050	42049	2050	0.683	18.431	0.281	1.653	-10.942	-157.586
42050_2050	42050	2050	-0.701	18.459	-1.863	-2.163	10.942	157.435
42050_2051	42050	2051	0.701	6.771	1.863	2.163	19.136	-63.095
42051_2051	42051	2051	-0.702	-6.771	-1.863	-2.15	-19.136	63.098
42051_2052	42051	2052	0.702	19.652	1.863	2.15	34.49	-171.984
42052_2052	42052	2052	-0.702	20.689	-0.453	-1.508	-34.49	172.071
42052_2053	42052	2053	0.702	-2.324	0.453	1.508	39.812	-36.862
42053_2053	42053	2053	-0.702	2.324	-0.453	-1.483	-39.812	36.869
42053_2054	42053	2054	0.702	17.753	0.453	1.483	45.815	-139.122
42054_2054	42054	2054	-0.694	18.254	2.894	-0.633	-45.815	138.974
42054_2055	42054	2055	0.694	0.677	-2.894	0.633	9.643	-29.125
42055_2055	42055	2055	-0.691	-0.677	2.895	-0.609	-9.643	29.126
42055_2056	42055	2056	0.691	19.608	-2.895	0.609	-26.534	-155.891
42056_2056	42056	2056	-0.73	20.187	-2.872	0.012	26.534	155.918
42056_2057	42056	2057	0.73	-5.794	2.872	-0.012	0.757	-32.479
42057_2057	42057	2057	-0.734	5.794	-2.871	0.049	-0.757	32.48
42057_2058	42057	2058	0.734	5.941	2.871	-0.049	23.001	-33.047
42058_2058	42058	2058	-0.73	-5.941	-2.872	0.007	-23.001	33.047
42058_2059	42058	2059	0.73	17.677	2.872	-0.007	45.254	-124.542
42059_2059	42059	2059	-0.707	18.898	1.539	0.35	-45.254	124.533
42059_2060	42059	2060	0.707	-6.772	-1.539	-0.35	32.936	-21.778
42060_2060	42060	2060	-0.707	6.772	1.539	0.349	-32.936	21.778
42060_2061	42060	2061	0.707	5.338	-1.539	-0.349	20.633	-16.045
42061_2061	42061	2061	-0.707	-5.338	1.539	0.35	-20.633	16.045
42061_2062	42061	2062	0.707	17.464	-1.539	-0.35	8.315	-107.32
42062_2062	42062	2062	-0.717	18.373	0.619	0.304	-8.315	107.229
42062_2063	42062	2063	0.717	-9.297	-0.619	-0.304	4.608	-24.33
42063_2063	42063	2063	-0.716	9.297	0.62	0.347	-4.608	24.329
42063_2064	42063	2064	0.716	-0.207	-0.62	-0.347	0.888	4.189
42064_2064	42064	2064	-0.717	0.207	0.619	0.354	-0.888	-4.188
42064_2065	42064	2065	0.717	8.884	-0.619	-0.354	-2.826	-21.853
42065_2065	42065	2065	-0.717	-8.884	0.619	0.354	2.826	21.853
42065_2066	42065	2066	0.717	17.975	-0.619	-0.354	-6.539	-102.459
42066_2066	42066	2066	-0.723	18.09	0.056	0.28	6.539	102.296
42066_2067	42066	2067	0.723	-5.967	-0.056	-0.28	-6.99	-6.029
42067_2067	42067	2067	-0.723	5.967	0.056	0.28	6.99	6.029
42067_2068	42067	2068	0.723	6.14	-0.056	-0.28	-7.44	-6.719
42068_2068	42068	2068	-0.723	-6.14	0.056	0.28	7.44	6.719
42068_2069	42068	2069	0.723	18.262	-0.056	-0.28	-7.891	-104.366
42069_2069	42069	2069	-0.688	17.458	2.557	0.783	7.891	104.286
42069_2070	42069	2070	0.688	-5.715	-2.557	-0.783	-27.717	-14.453
42070_2070	42070	2070	-0.688	5.715	2.557	0.782	27.717	14.453
42070_2071	42070	2071	0.688	6.013	-2.557	-0.782	-47.518	-15.607
42071_2071	42071	2071	-0.687	-6.013	2.557	0.792	47.518	15.608
42071_2072	42071	2072	0.687	20.411	-2.557	-0.792	-71.828	-141.203
42072_2072	42072	2072	-0.754	20.452	-3.296	1.527	71.828	141.143
42072_2073	42072	2073	0.754	-1.522	3.296	-1.527	-30.639	-3.833
42073_2073	42073	2073	-0.754	1.522	-3.296	1.527	30.639	3.833
42073_2074	42073	2074	0.754	17.407	3.296	-1.527	10.55	-103.094

42074_2074	42074	2074	-0.673	15.077	0.911	2.321	-10.55	103.143
42074_2075	42074	2075	0.673	4.99	-0.911	-2.321	-1.522	-36.32
42075_2075	42075	2075	-0.673	-4.99	0.911	2.646	1.522	36.292
42075_2076	42075	2076	0.673	22.406	-0.911	-2.646	-12.236	-197.331
42076_2076	42076	2076	-0.699	18.091	-0.314	3.066	12.236	197.316
42076_2077	42076	2077	0.699	-5.87	0.314	-3.066	-9.646	-98.485
42077_2077	42077	2077	-0.699	5.87	-0.315	2.957	9.646	98.49
42077_2078	42077	2078	0.699	15.874	0.315	-2.957	-5.027	-171.9
42078_2078	42078	2078	-0.686	18.038	1.205	2.425	5.027	172.122
42078_2079	42078	2079	0.686	-1.367	-1.205	-2.425	-18.583	-62.942
42079_2079	42079	2079	-0.686	1.367	1.205	2.422	18.583	62.943
42079_2080	42079	2080	0.686	15.289	-1.205	-2.422	-32.126	-141.207
42080_2080	42080	2080	-0.696	16.897	-0.097	1.498	32.126	141.214
42080_2081	42080	2081	0.696	-0.231	0.097	-1.498	-31.031	-44.867
42081_2081	42081	2081	-0.696	0.231	-0.098	1.458	31.031	44.868
42081_2082	42081	2082	0.696	16.437	0.098	-1.458	-29.929	-136.034
42082_2082	42082	2082	-0.696	18.184	-0.098	0.127	29.929	135.922
42082_2083	42082	2083	0.696	-0.286	0.098	-0.127	-28.747	-24.356
42083_2083	42083	2083	-0.696	0.286	-0.098	0.107	28.747	24.356
42083_2084	42083	2084	0.696	17.628	0.098	-0.107	-27.556	-129.202
42084_2084	42084	2084	-0.698	16.87	-0.256	-1.216	27.556	129.215
42084_2085	42084	2085	0.698	-0.206	0.256	1.216	-24.68	-33.179
42085_2085	42085	2085	-0.698	0.206	-0.256	-1.246	24.68	33.177
42085_2086	42085	2086	0.698	16.444	0.256	1.246	-21.799	-124.421
42086_2086	42086	2086	-0.699	16.263	-0.224	-2.334	21.799	124.647
42086_2087	42086	2087	0.699	0.401	0.224	2.334	-19.277	-35.433
42087_2087	42087	2087	-0.699	-0.401	-0.225	-2.365	19.277	35.431
42087_2088	42087	2088	0.699	17.065	0.225	2.365	-16.748	-133.664
42088_2088	42088	2088	-0.72	14.972	-1.892	-2.753	16.748	133.68
42088_2089	42088	2089	0.72	5.958	1.892	2.753	9.981	-70.003
42089_2089	42089	2089	-0.72	-5.958	-1.892	-2.757	-9.981	70.006
42089_2090	42089	2090	0.72	18.173	1.892	2.757	25.58	-169.481
42090_2090	42090	2090	-0.72	18.719	-0.375	-2.264	-25.58	169.699
42090_2091	42090	2091	0.72	-1.302	0.375	2.264	29.984	-52.012
42091_2091	42091	2091	-0.72	1.302	-0.375	-2.267	-29.984	52.021
42091_2092	42091	2092	0.72	18.03	0.375	2.267	34.954	-162.823
42092_2092	42092	2092	-0.714	17.91	2.493	-1.402	-34.954	162.669
42092_2093	42092	2093	0.714	0.325	-2.493	1.402	3.808	-52.802
42093_2093	42093	2093	-0.712	-0.325	2.493	-1.359	-3.808	52.803
42093_2094	42093	2094	0.712	18.573	-2.493	1.359	-27.37	-170.963
42094_2094	42094	2094	-0.707	19.343	-2.418	-0.655	27.37	170.916
42094_2095	42094	2095	0.707	-5.474	2.418	0.655	-4.392	-52.982
42095_2095	42095	2095	-0.709	5.474	-2.417	-0.611	4.392	52.986
42095_2096	42095	2096	0.709	5.825	2.417	0.611	14.323	-54.345
42096_2096	42096	2096	-0.706	-5.825	-2.418	-0.679	-14.323	54.345
42096_2097	42096	2097	0.706	17.139	2.418	0.679	33.07	-143.372
42097_2097	42097	2097	-0.686	18.009	0.811	-0.125	-33.07	143.23
42097_2098	42097	2098	0.686	-6.346	-0.811	0.125	26.591	-45.898
42098_2098	42098	2098	-0.686	6.346	0.811	-0.124	-26.591	45.898
42098_2099	42098	2099	0.686	5.333	-0.811	0.124	20.103	-41.844
42099_2099	42099	2099	-0.686	-5.333	0.811	-0.124	-20.103	41.844
42099_2100	42099	2100	0.686	17.011	-0.811	0.124	13.616	-131.248
42100_2100	42100	2100	-0.692	17.57	0.198	-0.038	-13.616	131.22
42100_2101	42100	2101	0.692	-8.811	-0.198	0.038	12.428	-52.048
42101_2101	42101	2101	-0.692	8.811	0.198	-0.04	-12.428	52.048

42101_2102	42101	2102	0.692	-0.067	-0.198	0.04	11.242	-25.448
42102_2102	42102	2102	-0.692	0.067	0.198	-0.039	-11.242	25.448
42102_2103	42102	2103	0.692	8.692	-0.198	0.039	10.054	-51.331
42103_2103	42103	2103	-0.692	-8.692	0.198	-0.039	-10.054	51.331
42103_2104	42103	2104	0.692	17.45	-0.198	0.039	8.866	-129.785
42104_2104	42104	2104	-0.694	17.242	-0.433	-0.009	-8.866	129.788
42104_2105	42104	2105	0.694	-5.563	0.433	0.009	12.335	-38.529
42105_2105	42105	2105	-0.695	5.563	-0.433	0.038	-12.335	38.529
42105_2106	42105	2106	0.695	6.102	0.433	-0.038	15.793	-40.685
42106_2106	42106	2106	-0.695	-6.102	-0.433	0.04	-15.793	40.685
42106_2107	42106	2107	0.695	17.781	0.433	-0.04	19.255	-136.255
42107_2107	42107	2107	-0.686	16.951	2.424	0.491	-19.255	136.284
42107_2108	42107	2108	0.686	-5.637	-2.424	-0.491	0.459	-48.718
42108_2108	42108	2108	-0.683	5.637	2.425	0.552	-0.459	48.718
42108_2109	42108	2109	0.683	5.663	-2.425	-0.552	-18.318	-48.818
42109_2109	42109	2109	-0.686	-5.663	2.424	0.496	18.318	48.817
42109_2110	42109	2110	0.686	19.532	-2.424	-0.496	-41.358	-168.542
42110_2110	42110	2110	-0.717	19.333	-2.707	1.273	41.358	168.54
42110_2111	42110	2111	0.717	-1.101	2.707	-1.273	-7.536	-40.895
42111_2111	42111	2111	-0.719	1.101	-2.707	1.307	7.536	40.894
42111_2112	42111	2112	0.719	17.145	2.707	-1.307	26.306	-141.202
42112_2112	42112	2112	-0.689	14.045	0.65	2.198	-26.306	141.229
42112_2113	42112	2113	0.689	5.296	-0.65	-2.198	17.69	-83.252
42113_2113	42113	2113	-0.689	-5.296	0.65	2.414	-17.69	83.289
42113_2114	42113	2114	0.689	22.394	-0.65	-2.414	10.055	-245.877
42114_2114	42114	2114	-0.696	17.383	-0.128	3.183	-10.055	245.875
42114_2115	42114	2115	0.696	-5.37	0.128	-3.183	11.109	-152.002
42115_2115	42115	2115	-0.696	5.37	-0.129	2.832	-11.109	152.009
42115_2116	42115	2116	0.696	15.95	0.129	-2.832	13.003	-229.474
42116_2116	42116	2116	-0.695	18.432	1.35	2.815	-13.003	229.308
42116_2117	42116	2117	0.695	-2.064	-1.35	-2.815	-2.17	-114.105
42117_2117	42117	2117	-0.696	2.064	1.349	2.714	2.17	114.107
42117_2118	42117	2118	0.696	14.305	-1.349	-2.714	-17.335	-182.915
42118_2118	42118	2118	-0.693	17.148	0.013	1.992	17.335	182.904
42118_2119	42118	2119	0.693	-0.781	-0.013	-1.992	-17.486	-82.127
42119_2119	42119	2119	-0.693	0.781	0.014	2.066	17.486	82.126
42119_2120	42119	2120	0.693	15.6	-0.014	-2.066	-17.644	-165.488
42120_2120	42120	2120	-0.693	18.37	0.164	0.748	17.644	165.318
42120_2121	42120	2121	0.693	-0.78	-0.164	-0.748	-19.625	-49.642
42121_2121	42121	2121	-0.693	0.78	0.164	0.748	19.625	49.642
42121_2122	42121	2122	0.693	16.81	-0.164	-0.748	-21.607	-146.477
42122_2122	42122	2122	-0.693	17.004	0.004	-0.665	21.607	146.476
42122_2123	42122	2123	0.693	-0.623	-0.004	0.665	-21.655	-47.319
42123_2123	42123	2123	-0.693	0.623	0.004	-0.665	21.655	47.319
42123_2124	42123	2124	0.693	15.742	-0.004	0.665	-21.703	-132.292
42124_2124	42124	2124	-0.693	16.396	-0.444	-1.915	21.703	132.302
42124_2125	42124	2125	0.693	-0.03	0.444	1.915	-16.709	-39.98
42125_2125	42125	2125	-0.693	0.03	-0.444	-1.879	16.709	39.981
42125_2126	42125	2126	0.693	16.35	0.444	1.879	-11.718	-131.786
42126_2126	42126	2126	-0.695	14.704	-1.736	-2.535	11.718	131.651
42126_2127	42126	2127	0.695	5.491	1.736	2.535	12.358	-67.754
42127_2127	42127	2127	-0.696	-5.491	-1.735	-2.472	-12.358	67.756
42127_2128	42127	2128	0.696	17.517	1.735	2.472	26.691	-162.778
42128_2128	42128	2128	-0.707	18.382	-0.319	-2.089	-26.691	162.614
42128_2129	42128	2129	0.707	-1.289	0.319	2.089	30.439	-47.141

42129_2129	42129	2129	-0.707	1.289	-0.319	-1.972	-30.439	47.15
42129_2130	42129	2130	0.707	18.024	0.319	1.972	34.674	-158.103
42130_2130	42130	2130	-0.721	17.264	4.641	-1.495	-34.674	157.977
42130_2131	42130	2131	0.721	0.942	-4.641	1.495	-23.339	-55.964
42131_2131	42131	2131	-0.717	-0.942	4.642	-1.451	23.339	55.965
42131_2132	42131	2132	0.717	19.133	-4.642	1.451	-81.312	-181.336
42132_2132	42132	2132	-2.866	18.366	-4.998	-0.474	81.312	153.694
42132_2133	42132	2133	2.866	-4.53	4.998	0.474	-33.831	-44.936
42133_2133	42133	2133	-2.862	4.53	-5	-0.506	33.831	44.935
42133_2134	42133	2134	2.862	6.758	5	0.506	4.92	-53.568
42134_2134	42134	2134	-2.862	-6.758	-5	-0.506	-4.92	53.568
42134_2135	42134	2135	2.862	18.06	5	0.506	43.72	-149.862
42135_2135	42135	2135	-2.889	18.482	1.094	0.108	-43.72	150.06
42135_2136	42135	2136	2.889	-6.828	-1.094	-0.108	34.965	-48.803
42136_2136	42136	2136	-2.89	6.828	1.091	0.047	-34.965	48.803
42136_2137	42136	2137	2.89	4.825	-1.091	-0.047	26.239	-40.789
42137_2137	42137	2137	-2.889	-4.825	1.094	0.098	-26.239	40.789
42137_2138	42137	2138	2.889	16.479	-1.094	-0.098	17.483	-126.019
42138_2138	42138	2138	-2.881	17.43	0.612	-0.013	-17.483	126.019
42138_2139	42138	2139	2.881	-8.69	-0.612	0.013	13.809	-47.647
42139_2139	42139	2139	-2.881	8.69	0.612	-0.013	-13.809	47.647
42139_2140	42139	2140	2.881	0.051	-0.612	0.013	10.135	-21.726
42140_2140	42140	2140	-2.881	-0.051	0.612	-0.013	-10.135	21.726
42140_2141	42140	2141	2.881	8.791	-0.612	0.013	6.461	-48.255
42141_2141	42141	2141	-2.881	-8.791	0.612	-0.013	-6.461	48.255
42141_2142	42141	2142	2.881	17.531	-0.612	0.013	2.786	-127.235
42142_2142	42142	2142	-2.859	17.111	-0.576	-0.206	-2.786	127.087
42142_2143	42142	2143	2.859	-5.472	0.576	0.206	7.387	-36.854
42143_2143	42143	2143	-2.859	5.472	-0.572	-0.159	-7.387	36.854
42143_2144	42143	2144	2.859	6.182	0.572	0.159	11.965	-39.696
42144_2144	42144	2144	-2.859	-6.182	-0.576	-0.209	-11.965	39.696
42144_2145	42144	2145	2.859	17.836	0.576	0.209	16.571	-135.783
42145_2145	42145	2145	-2.913	16.785	2.539	0.198	-16.571	135.934
42145_2146	42145	2146	2.913	-5.496	-2.539	-0.198	-3.111	-49.582
42146_2146	42146	2146	-2.913	5.496	2.539	0.198	3.111	49.582
42146_2147	42146	2147	2.913	5.794	-2.539	-0.198	-22.792	-50.737
42147_2147	42147	2147	-2.915	-5.794	2.537	0.139	22.792	50.733
42147_2148	42147	2148	2.915	19.633	-2.537	-0.139	-46.894	-171.531
42148_2148	42148	2148	-2.817	19.561	-3.15	0.912	46.894	171.539
42148_2149	42148	2149	2.817	-1.352	3.15	-0.912	-7.512	-40.816
42149_2149	42149	2149	-2.815	1.352	-3.152	0.879	7.512	40.817
42149_2150	42149	2150	2.815	16.842	3.152	-0.879	31.869	-137.572
42150_2150	42150	2150	-2.883	13.697	0.771	1.77	-31.869	137.587
42150_2151	42150	2151	2.883	5.605	-0.771	-1.77	21.648	-83.968
42151_2151	42151	2151	-2.883	-5.605	0.77	1.8	-21.648	82.468
42151_2152	42151	2152	2.883	23.458	-0.77	-1.8	12.604	-253.242
42152_2152	42152	2152	-2.884	17.179	0.811	2.237	-12.604	253.246
42152_2153	42152	2153	2.884	-4.643	-0.811	-2.237	5.913	-163.215
42153_2153	42153	2153	-2.884	4.643	0.811	2.23	-5.913	163.205
42153_2154	42153	2154	2.884	16.233	-0.811	-2.23	-5.229	-242.842
42154_2154	42154	2154	-2.88	18.827	0.59	1.846	5.229	242.835
42154_2155	42154	2155	2.88	-2.114	-0.59	-1.846	-11.723	-127.639
42155_2155	42155	2155	-2.88	2.114	0.59	1.846	11.723	127.639
42155_2156	42155	2156	2.88	14.6	-0.59	-1.846	-18.217	-196.322
42156_2156	42156	2156	-2.875	16.602	0.324	0.932	18.217	196.306

42156_2157	42156	2157	2.875	-1.392	-0.324	-0.932	-21.463	-106.231
42157_2157	42157	2157	-2.875	1.392	0.321	0.827	21.463	106.232
42157_2158	42157	2158	2.875	13.832	-0.321	-0.827	-24.684	-168.568
42158_2158	42158	2158	-2.867	15.364	-0.134	-0.291	24.684	168.386
42158_2159	42158	2159	2.867	-0.154	0.134	0.291	-23.337	-90.706
42159_2159	42159	2159	-2.867	0.154	-0.134	-0.291	23.337	90.706
42159_2160	42159	2160	2.867	15.055	0.134	0.291	-21.991	-165.296
42160_2160	42160	2160	-2.858	16.71	-0.662	-1.477	21.991	165.437
42160_2161	42160	2161	2.858	0.004	0.662	1.477	-14.703	-73.536
42161_2161	42161	2161	-2.858	-0.004	-0.662	-1.477	14.703	73.536
42161_2162	42161	2162	2.858	16.717	0.662	1.477	-7.415	-165.516
42162_2162	42162	2162	-2.85	15.391	-1.069	-2.278	7.415	165.502
42162_2163	42162	2163	2.85	5.501	1.069	2.278	7.288	-97.494
42163_2163	42163	2163	-2.85	-5.501	-1.067	-2.203	-7.288	97.486
42163_2164	42163	2164	2.85	18.021	1.067	2.203	16.083	-194.413
42164_2164	42164	2164	-2.848	19.557	-1.231	-1.731	-16.083	194.421
42164_2165	42164	2165	2.848	-1.704	1.231	1.731	30.552	-69.489
42165_2165	42165	2165	-2.848	1.704	-1.232	-1.723	-30.552	69.794
42165_2166	42165	2166	2.848	18.965	1.232	1.723	46.877	-184.162
42166_2166	42166	2166	-2.955	18.881	4.648	-0.985	-46.877	184.176
42166_2167	42166	2167	2.955	0.618	-4.648	0.985	-11.228	-70.009
42167_2167	42167	2167	-2.955	-0.618	4.648	-0.985	11.228	70.009
42167_2168	42167	2168	2.955	20.117	-4.648	0.985	-69.332	-199.622
42168_2168	42168	2168	-2.801	20.697	-4.283	-0.314	69.332	199.492
42168_2169	42168	2169	2.801	-5.894	4.283	0.314	-28.676	-73.297
42169_2169	42169	2169	-2.8	5.894	-4.284	-0.311	28.676	73.292
42169_2170	42169	2170	2.8	6.196	4.284	0.311	4.529	-74.462
42170_2170	42170	2170	-2.794	-6.196	-4.287	-0.407	-4.529	74.462
42170_2171	42170	2171	2.794	18.285	4.287	0.407	37.763	-169.344
42171_2171	42171	2171	-2.891	19.486	1.23	0.169	-37.763	169.514
42171_2172	42171	2172	2.891	-7.007	-1.23	-0.169	27.921	-63.527
42172_2172	42172	2172	-2.893	7.007	1.226	0.09	-27.921	63.527
42172_2173	42172	2173	2.893	5.473	-1.226	-0.09	18.108	-57.39
42173_2173	42173	2173	-2.891	-5.473	1.23	0.161	-18.108	57.39
42173_2174	42173	2174	2.891	17.952	-1.23	-0.161	8.266	-151.104
42174_2174	42174	2174	-2.873	18.85	0.139	0.096	-8.266	150.951
42174_2175	42174	2175	2.873	-9.49	-0.139	-0.096	7.434	-65.918
42175_2175	42175	2175	-2.873	9.49	0.139	0.094	-7.434	65.918
42175_2176	42175	2176	2.873	-0.146	-0.139	-0.094	6.603	-37.053
42176_2176	42176	2176	-2.873	0.146	0.139	0.096	-6.603	37.053
42176_2177	42176	2177	2.873	9.214	-0.139	-0.096	5.771	-64.26
42177_2177	42177	2177	-2.873	-9.214	0.139	0.096	-5.771	64.26
42177_2178	42177	2178	2.873	18.573	-0.139	-0.096	4.938	-147.634
42178_2178	42178	2178	-2.852	18.455	-0.985	-0.023	-4.938	147.788
42178_2179	42178	2179	2.852	-5.976	0.985	0.023	12.817	-50.045
42179_2179	42179	2179	-2.854	5.976	-0.981	0.04	-12.817	50.045
42179_2180	42179	2180	2.854	6.503	0.981	-0.04	20.668	-52.155
42180_2180	42180	2180	-2.852	-6.503	-0.985	-0.025	-20.668	52.155
42180_2181	42180	2181	2.852	18.983	0.985	0.025	28.547	-154.118
42181_2181	42181	2181	-2.952	17.949	4.772	0.328	-28.547	154.122
42181_2182	42181	2182	2.952	-5.86	-4.772	-0.328	-8.439	-61.845
42182_2182	42182	2182	-2.952	5.86	4.772	0.328	8.439	61.845
42182_2183	42182	2183	2.952	6.229	-4.772	-0.328	-45.425	-63.276
42183_2183	42183	2183	-2.956	-6.229	4.769	0.248	45.425	63.269
42183_2184	42183	2184	2.956	21.033	-4.769	-0.248	-90.691	-192.653

42184_2184	42184	2184	-2.78	20.913	-5.229	0.916	90.691	192.794
42184_2185	42184	2185	2.78	-1.414	5.229	-0.916	-25.323	-53.233
42185_2185	42185	2185	-2.776	1.414	-5.231	0.873	25.323	53.234
42185_2186	42185	2186	2.776	18.085	5.231	-0.873	40.074	-157.45
42186_2186	42186	2186	-2.884	15.656	1.008	1.609	-40.074	157.461
42186_2187	42186	2187	2.884	5.013	-1.008	-1.609	26.719	-86.945
42187_2187	42187	2187	-2.885	-5.013	1.006	1.557	-26.719	86.18
42187_2188	42187	2188	2.885	24.132	-1.006	-1.557	14.897	-257.441
42188_2188	42188	2188	-2.883	19.345	0.907	2.054	-14.897	257.447
42188_2189	42188	2189	2.883	-5.937	-0.907	-2.054	7.425	-153.267
42189_2189	42189	2189	-2.883	5.937	0.907	2.068	-7.425	153.291
42189_2190	42189	2190	2.883	16.436	-0.907	-2.068	-5.043	-225.48
42190_2190	42190	2190	-2.878	19.477	0.643	1.622	5.043	225.472
42190_2191	42190	2191	2.878	-1.579	-0.643	-1.622	-12.114	-109.646
42191_2191	42191	2191	-2.878	1.579	0.643	1.622	12.114	109.646
42191_2192	42191	2192	2.878	16.32	-0.643	-1.622	-19.186	-190.735
42192_2192	42192	2192	-2.869	17.519	0.123	0.147	19.186	190.712
42192_2193	42192	2193	2.869	-1.101	-0.123	-0.147	-20.428	-96.761
42193_2193	42193	2193	-2.869	1.101	0.126	0.243	20.428	96.76
42193_2194	42193	2194	2.869	15.317	-0.126	-0.243	-21.7	-168.493
42194_2194	42194	2194	-2.854	16.349	-0.616	-1.249	21.7	168.463
42194_2195	42194	2195	2.854	0.069	0.616	1.249	-15.486	-86.317
42195_2195	42195	2195	-2.853	-0.069	-0.619	-1.334	15.486	86.315
42195_2196	42195	2196	2.853	16.487	0.619	1.334	-9.244	-169.854
42196_2196	42196	2196	-2.844	17.61	-0.997	-2.681	9.244	169.819
42196_2197	42196	2197	2.844	0.288	0.997	2.681	1.725	-74.534
42197_2197	42197	2197	-2.844	-0.288	-0.997	-2.682	-1.725	74.534
42197_2198	42197	2198	2.844	18.171	0.997	2.682	12.684	-175.984
42198_2198	42198	2198	-2.831	16.402	-1.555	-3.304	-12.684	175.969
42198_2199	42198	2199	2.831	5.971	1.555	3.304	34.067	-104.246
42199_2199	42199	2199	-2.831	-5.971	-1.555	-3.299	-34.067	104.239
42199_2200	42199	2200	2.831	19.395	1.555	3.299	46.898	-208.893
42200_2200	42200	2200	-2.847	21.124	-0.889	-2.142	-46.898	208.923
42200_2201	42200	2201	2.847	-2.005	0.889	2.142	57.345	-73.021
42201_2201	42201	2201	-2.847	2.005	-0.887	-2.08	-57.345	73.291
42201_2202	42201	2202	2.847	20.381	0.887	2.08	69.093	-194.963
42202_2202	42202	2202	-2.958	20.424	3.641	-1.003	-69.093	194.991
42202_2203	42202	2203	2.958	0.71	-3.641	1.003	23.569	-71.758
42203_2203	42203	2203	-2.956	-0.71	3.644	-0.945	-23.569	71.758
42203_2204	42203	2204	2.956	21.844	-3.644	0.945	-21.984	-212.746
42204_2204	42204	2204	-2.779	22.375	-3.582	0.136	21.984	212.778
42204_2205	42204	2205	2.779	-6.313	3.582	-0.136	12.048	-76.484
42205_2205	42205	2205	-2.782	6.313	-3.579	0.226	-12.048	76.472
42205_2206	42205	2206	2.782	6.79	3.579	-0.226	39.79	-78.322
42206_2206	42206	2206	-2.782	-6.79	-3.579	0.225	-39.79	78.322
42206_2207	42206	2207	2.782	19.877	3.579	-0.225	67.498	-181.539
42207_2207	42207	2207	-2.912	20.911	1.668	0.687	-67.498	181.713
42207_2208	42207	2208	2.912	-7.385	-1.668	-0.687	54.152	-68.511
42208_2208	42208	2208	-2.91	7.385	1.672	0.773	-54.152	68.51
42208_2209	42208	2209	2.91	6.141	-1.672	-0.773	40.778	-63.535
42209_2209	42209	2209	-2.912	-6.141	1.668	0.693	-40.778	63.536
42209_2210	42209	2210	2.912	19.667	-1.668	-0.693	27.432	-166.787
42210_2210	42210	2210	-2.882	20.403	0.459	0.862	-27.432	166.79
42210_2211	42210	2211	2.882	-10.259	-0.459	-0.862	24.676	-74.788
42211_2211	42211	2211	-2.882	10.259	0.459	0.862	-24.676	74.788

42211_2212	42211	2212	2.882	-0.114	-0.459	-0.862	21.919	-43.662
42212_2212	42212	2212	-2.882	0.114	0.459	0.862	-21.919	43.662
42212_2213	42212	2213	2.882	10.03	-0.459	-0.862	19.163	-73.414
42213_2213	42213	2213	-2.882	-10.03	0.459	0.862	-19.163	73.414
42213_2214	42213	2214	2.882	20.175	-0.459	-0.862	16.407	-164.043
42214_2214	42214	2214	-2.886	20.107	0.467	0.828	-16.407	163.858
42214_2215	42214	2215	2.886	-6.581	-0.467	-0.828	12.671	-57.087
42215_2215	42215	2215	-2.886	6.581	0.467	0.827	-12.671	57.087
42215_2216	42215	2216	2.886	6.928	-0.467	-0.827	8.94	-58.471
42216_2216	42216	2216	-2.887	-6.928	0.463	0.755	-8.94	58.472
42216_2217	42216	2217	2.887	20.454	-0.463	-0.755	5.233	-168.016
42217_2217	42217	2217	-2.96	19.479	3.694	1.19	-5.233	168.179
42217_2218	42217	2218	2.96	-6.376	-3.694	-1.19	-23.402	-67.98
42218_2218	42218	2218	-2.965	6.376	3.69	1.102	23.402	67.981
42218_2219	42218	2219	2.965	6.728	-3.69	-1.102	-52.007	-69.345
42219_2219	42219	2219	-2.964	-6.728	3.691	1.107	52.007	69.341
42219_2220	42219	2220	2.964	22.79	-3.691	-1.107	-87.077	-209.57
42220_2220	42220	2220	-2.804	22.805	-3.347	1.902	87.077	209.462
42220_2221	42220	2221	2.804	-1.691	3.347	-1.902	-45.266	-56.483
42221_2221	42221	2221	-2.807	1.691	-3.345	1.947	45.266	56.482
42221_2222	42221	2222	2.807	19.441	3.345	-1.947	-3.45	-167.42
42222_2222	42222	2222	-2.837	16.956	-0.685	2.596	3.45	167.585
42222_2223	42222	2223	2.837	5.443	0.685	-2.596	5.633	-91.312
42223_2223	42223	2223	-2.837	-5.443	-0.683	3.32	-5.633	90.257
42223_2224	42223	2224	2.837	26.147	0.683	-3.32	13.66	-275.852
42224_2224	42224	2224	-2.836	22.511	2.068	2.789	-13.66	276.02
42224_2225	42224	2225	2.836	-7.975	-2.068	-2.789	-3.398	-150.261
42225_2225	42225	2225	-2.837	7.975	2.066	2.711	3.398	150.248
42225_2226	42225	2226	2.837	20.535	-2.066	-2.711	-36.831	-251.865
42226_2226	42226	2226	-2.802	23.024	0.209	1.96	36.831	251.577
42226_2227	42226	2227	2.802	-1.51	-0.209	-1.96	-39.381	-101.789
42227_2227	42227	2227	-2.801	1.51	0.225	2.544	39.381	101.776
42227_2228	42227	2228	2.801	20.006	-0.225	-2.544	-42.128	-214.704
42228_2228	42228	2228	-2.81	22.237	0.681	0.287	42.128	214.725
42228_2229	42228	2229	2.81	-0.718	-0.681	-0.287	-50.445	-74.556
42229_2229	42229	2229	-2.81	0.718	0.683	0.348	50.445	74.556
42229_2230	42229	2230	2.81	20.801	-0.683	-0.348	-58.79	-197.192
42230_2230	42230	2230	-2.708	21.809	-1.665	-1.766	58.79	197.301
42230_2231	42230	2231	2.708	-0.132	1.665	1.766	-38.308	-62.329
42231_2231	42231	2231	-2.724	0.132	-1.638	-1.157	38.308	62.343
42231_2232	42231	2232	2.724	21.533	1.638	1.157	-18.163	-193.91
42232_2232	42232	2232	-2.779	21.722	-0.268	-3.219	18.163	193.694
42232_2233	42232	2233	2.779	2.925	0.268	3.219	-14.416	-62.225
42233_2233	42233	2233	-2.779	-2.925	-0.266	-3.169	14.416	62.206
42233_2234	42233	2234	2.779	21.138	0.266	3.169	-11.669	-186.574
42234_2234	42234	2234	-2.683	19.366	-2.276	-2.693	11.669	186.602
42234_2235	42234	2235	2.683	0.733	2.276	2.693	14.29	-80.327
42235_2235	42235	2235	-2.715	-0.733	-2.237	-1.884	-14.29	80.301
42235_2236	42235	2236	2.715	19.313	2.237	1.884	36.486	-179.747
42236_2236	42236	2236	-3.06	18.911	3.917	-1.806	-36.486	179.898
42236_2237	42236	2237	3.06	0.738	-3.917	1.806	-4.614	-84.557
42237_2237	42237	2237	-3.063	-0.738	3.915	-1.864	4.614	84.555
42237_2238	42237	2238	3.063	21.042	-3.915	1.864	-47.062	-202.637
42238_2238	42238	2238	-2.407	23.071	-4.17	0.028	47.062	202.744
42238_2239	42238	2239	2.407	-3.441	4.17	-0.028	-3.344	-63.787

42239_2239	42239	2239	-2.432	3.441	-4.156	0.415	3.344	63.785
42239_2240	42239	2240	2.432	22.797	4.156	-0.415	54.884	-199.396
42240_2240	42240	2240	-2.845	21.166	1.292	0.362	-54.884	199.369
42240_2241	42240	2241	2.845	-3.62	-1.292	-0.362	42.775	-83.247
42241_2241	42241	2241	-2.846	3.62	1.29	0.302	-42.775	83.247
42241_2242	42241	2242	2.846	15.576	-1.29	-0.302	29.548	-144.527
42242_2242	42242	2242	-2.899	17.924	2.136	0.761	-29.548	144.638
42242_2243	42242	2243	2.899	0.521	-2.136	-0.761	8.504	-58.923
42243_2243	42243	2243	-2.898	-0.521	2.138	0.788	-8.504	58.923
42243_2244	42243	2244	2.898	18.835	-2.138	-0.788	-12.404	-153.576
42244_2244	42244	2244	-2.787	19.178	0.505	0.523	12.404	153.528
42244_2245	42244	2245	2.787	-2.073	-0.505	-0.523	-17.02	-56.466
42245_2245	42245	2245	-2.784	2.073	0.522	0.853	17.02	56.462
42245_2246	42245	2246	2.784	17.557	-0.522	-0.853	-22.487	-137.618
42246_2246	42246	2246	-2.756	16.226	-0.019	0.21	22.487	137.582
42246_2247	42246	2247	2.756	3.028	0.019	-0.21	-22.292	-69.729
42247_2247	42247	2247	-2.756	-3.028	-0.018	0.236	22.292	69.729
42247_2248	42247	2248	2.756	20.535	0.018	-0.236	-22.124	-179.876
42248_2248	42248	2248	-2.74	22.093	-1.077	0.072	22.124	179.549
42248_2249	42248	2249	2.74	1.782	1.077	-0.072	-8.398	-50.067
42249_2249	42249	2249	-2.756	-1.782	-1.037	0.803	8.398	50.052
42249_2250	42249	2250	2.756	23.769	1.037	-0.803	3.773	-200.061
42250_2250	42250	2250	-2.529	21.284	-8.282	1.074	-3.773	200.073
42250_2251	42250	2251	2.529	4.786	8.282	-1.074	119.079	-85.23
42251_2251	42251	2251	-2.523	-4.786	-8.284	1.019	-119.079	85.231
42251_2252	42251	2252	2.523	19.211	8.284	-1.019	182.897	-177.664
42252_2252	42252	2252	-3.747	19.525	27.661	-0.2	-182.897	177.538
42252_2253	42252	2253	3.747	-0.604	-27.661	0.2	-96.61	-75.839
42253_2253	42253	2253	-3.577	0.604	27.684	0.268	96.61	75.839
42253_2254	42253	2254	3.577	22.207	-27.684	-0.268	-433.831	-207.415
42254_2254	42254	2254	0.329	18.551	-26.557	2.944	433.831	207.45
42254_2255	42254	2255	-0.329	-0.738	26.557	-2.944	-194.459	-120.522
42255_2255	42255	2255	0.351	0.738	-26.557	2.846	194.459	120.524
42255_2256	42255	2256	-0.351	28.564	26.557	-2.846	199.29	-326.806
42256_2256	42256	2256	-0.274	24.102	6.221	-2.636	-199.29	326.75
42256_2257	42256	2257	0.274	-1.994	-6.221	2.636	129.694	-180.782
42257_2257	42257	2257	-0.234	1.994	6.223	-1.46	-129.694	180.795
42257_2258	42257	2258	0.234	21.443	-6.223	1.46	55.894	-296.119
42258_2258	42258	2258	-0.165	22.355	0.625	-0.741	-55.894	296.335
42258_2259	42258	2259	0.165	0.562	-0.625	0.741	48.652	-169.981
42259_2259	42259	2259	-0.165	-0.562	0.624	-0.801	-48.652	169.981
42259_2260	42259	2260	0.165	23.219	-0.624	0.801	41.493	-306.302
42260_2260	42260	2260	-0.137	21.59	-3.835	-3.197	-41.493	306.197
42260_2261	42260	2261	0.137	1.425	3.835	3.197	86.155	-188.777
42261_2261	42261	2261	-0.188	-1.425	-3.833	-0.704	-86.155	188.803
42261_2262	42261	2262	0.188	23.96	3.833	0.704	129.862	-333.537
42262_2262	42262	2262	-0.149	22.87	1.62	-5.021	-129.862	333.472
42262_2263	42262	2263	0.149	2.078	-1.62	5.021	109.408	-202.241
42263_2263	42263	2263	-0.15	-2.078	1.62	-5.109	-109.408	202.239
42263_2264	42263	2264	0.15	25.329	-1.62	5.109	90.345	-363.467
42264_2264	42264	2264	-0.202	23.251	-7.414	-6.759	-90.345	363.821
42264_2265	42264	2265	0.202	2.003	7.414	6.759	185.086	-228.059
42265_2265	42265	2265	-0.248	-2.003	-7.413	-5.331	-185.086	228.096
42265_2266	42265	2266	0.248	25.282	7.413	5.331	272.399	-388.796
42266_2266	42266	2266	0.02	27.083	9.065	-5.488	-272.399	388.669

42266_2267	42266	2267	-0.02	-6.504	-9.065	5.488	178.002	-213.799
42267_2267	42267	2267	0.035	6.504	9.065	-5.139	-178.002	213.808
42267_2268	42267	2268	-0.035	12.122	-9.065	5.139	92.566	-240.279
42268_2268	42268	2268	-0.01	22.186	2.407	-1.291	-92.566	240.244
42268_2269	42268	2269	0.01	0.041	-2.407	1.291	65.924	-117.664
42269_2269	42269	2269	0.025	-0.041	2.406	0.432	-65.924	117.67
42269_2270	42269	2270	-0.025	26.612	-2.406	-0.432	34.077	-294.038
42270_2270	42270	2270	0.036	36.548	1.397	0.597	-34.077	294.143
42270_2271	42270	2271	-0.036	-13.106	-1.397	-0.597	17.768	-4.277
42271_2271	42271	2271	0.036	13.106	1.397	0.595	-17.768	4.277
42271_2272	42271	2272	-0.036	12.432	-1.397	-0.595	0	0.005
42372_2372	42372	2372	0.095	8.688	-0.783	0.863	0	0.006
42372_2373	42372	2373	-0.095	9.771	0.783	-0.863	9.668	-6.692
42373_2373	42373	2373	0.096	-9.771	-0.783	0.857	-9.668	6.693
42373_2374	42373	2374	-0.096	27.816	0.783	-0.857	19.119	-233.673
42374_2374	42374	2374	0.083	20.621	0.485	1.284	-19.119	233.01
42374_2375	42374	2375	-0.083	-2.376	-0.485	-1.284	13.202	-92.61
42375_2375	42375	2375	0.083	2.376	0.485	1.245	-13.202	92.61
42375_2376	42375	2376	-0.083	13.531	-0.485	-1.245	8.043	-151.986
42376_2376	42376	2376	0.062	15.205	1.326	0.522	-8.043	151.886
42376_2377	42376	2377	-0.062	1.566	-1.326	-0.522	-6.842	-75.341
42377_2377	42377	2377	0.08	-1.566	1.325	1.557	6.842	75.327
42377_2378	42377	2378	-0.08	17.375	-1.325	-1.557	-20.863	-175.532
42378_2378	42378	2378	0.061	18.061	-1.17	1.078	20.863	175.527
42378_2379	42378	2379	-0.061	1.344	1.17	-1.078	-5.672	-66.974
42379_2379	42379	2379	0.06	-1.344	-1.17	1.133	5.672	66.974
42379_2380	42379	2380	-0.06	18.164	1.17	-1.133	7.496	-176.777
42380_2380	42380	2380	0.069	15.021	1.437	0.614	-7.496	176.812
42380_2381	42380	2381	-0.069	1.415	-1.437	-0.614	-8.313	-101.977
42381_2381	42381	2381	0.08	-1.415	1.437	1.352	8.313	101.97
42381_2382	42381	2382	-0.08	16.122	-1.437	-1.352	-22.453	-188.282
42382_2382	42382	2382	0.075	18.385	-2.131	2.022	22.453	187.85
42382_2383	42382	2383	-0.075	0.261	2.131	-2.022	4.144	-74.761
42383_2383	42383	2383	0.076	-0.261	-2.131	1.984	-4.144	74.762
42383_2384	42383	2384	-0.076	16.997	2.131	-1.984	28.015	-171.418
42384_2384	42384	2384	0.079	18.427	0.635	3.237	-28.015	171.618
42384_2385	42384	2385	-0.079	-2.266	-0.635	-3.237	21.094	-58.775
42385_2385	42385	2385	0.078	2.266	0.635	3.175	-21.094	58.779
42385_2386	42385	2386	-0.078	15.558	-0.635	-3.175	13.459	-138.72
42386_2386	42386	2386	0.082	18.429	0.659	3.032	-13.459	138.601
42386_2387	42386	2387	-0.082	-0.093	-0.659	-3.032	5.304	-23.999
42387_2387	42387	2387	0.089	0.093	0.658	3.254	-5.304	23.97
42387_2388	42387	2388	-0.089	17.765	-0.658	-3.254	-2.628	-130.465
42388_2388	42388	2388	0.09	18.629	0.809	2.742	2.628	130.53
42388_2389	42388	2389	-0.09	0.721	-0.809	-2.742	-13.199	-13.603
42389_2389	42389	2389	0.089	-0.721	0.81	2.727	13.199	13.606
42389_2390	42389	2390	-0.089	17.558	-0.81	-2.727	-22.398	-117.454
42390_2390	42390	2390	0.093	18.291	0.334	1.797	22.398	117.459
42390_2391	42390	2391	-0.093	1.541	-0.334	-1.797	-26.871	-5.365
42391_2391	42391	2391	0.096	-1.541	0.333	1.844	26.871	5.349
42391_2392	42391	2392	-0.096	17.908	-0.333	-1.844	-30.553	-112.76
42392_2392	42392	2392	0.095	17.889	0.452	0.66	30.553	112.498
42392_2393	42392	2393	-0.095	1.223	-0.452	-0.66	-36.38	-5.021
42393_2393	42393	2393	0.095	-1.223	0.452	0.658	36.38	5.021
42393_2394	42393	2394	-0.095	18.291	-0.452	-0.658	-41.584	-117.406

42394_2394	42394	2394	0.096	17.936	0.522	-0.682	41.584	117.692
42394_2395	42394	2395	-0.096	-0.348	-0.522	0.682	-47.784	-9.183
42395_2395	42395	2395	0.101	0.348	0.521	-0.589	47.784	9.189
42395_2396	42395	2396	-0.101	18.265	-0.521	0.589	-54.333	-121.725
42396_2396	42396	2396	0.106	16.519	1.897	-1.938	54.333	121.58
42396_2397	42396	2397	-0.106	1.469	-1.897	1.938	-77.365	-30.233
42397_2397	42397	2397	0.107	-1.469	1.897	-1.929	77.365	30.233
42397_2398	42397	2398	-0.107	19.673	-1.897	1.929	-100.672	-160.095
42398_2398	42398	2398	0.098	19.331	-3.798	-3.441	100.672	160.102
42398_2399	42398	2399	-0.098	-0.404	3.798	3.441	-52.158	-34.056
42399_2399	42399	2399	0.08	0.404	-3.798	-3.277	52.158	34.072
42399_2400	42399	2400	-0.08	18.471	3.798	3.277	-3.773	-149.149
42400_2400	42400	2400	0.083	21.074	-0.257	-1.383	3.773	149.259
42400_2401	42400	2401	-0.083	0.67	0.257	1.383	0	0.445
42572_2572	42572	2572	-0.025	8.753	-0.104	1.224	0	-0.027
42572_2573	42572	2573	0.025	9.726	0.104	-1.224	1.283	-5.986
42573_2573	42573	2573	-0.025	-9.726	-0.104	1.222	-1.283	5.987
42573_2574	42573	2574	0.025	27.642	0.104	-1.222	2.527	-230.016
42574_2574	42574	2574	-0.012	20.388	-0.552	0.89	-2.527	230.512
42574_2575	42574	2575	0.012	-2.426	0.552	-0.89	9.168	-93.377
42575_2575	42575	2575	-0.012	2.426	-0.552	0.926	-9.168	93.377
42575_2576	42575	2576	0.012	13.321	0.552	-0.926	14.989	-150.793
42576_2576	42576	2576	-0.062	15.259	1.523	0.524	-14.989	150.609
42576_2577	42576	2577	0.062	1.563	-1.523	-0.524	-2.159	-73.507
42577_2577	42577	2577	-0.042	-1.563	1.524	1.491	2.159	73.494
42577_2578	42577	2578	0.042	17.636	-1.524	-1.491	-18.549	-176.762
42578_2578	42578	2578	-0.082	17.909	-1.177	1.116	18.549	176.778
42578_2579	42578	2579	0.082	1.308	1.177	-1.116	-3.416	-70.021
42579_2579	42579	2579	-0.081	-1.308	-1.177	1.048	3.416	70.022
42579_2580	42579	2580	0.081	18.207	1.177	-1.048	9.893	-180.381
42580_2580	42580	2580	-0.06	15.287	1.814	0.895	-9.893	180.601
42580_2581	42580	2581	0.06	1.099	-1.814	-0.895	-10.005	-102.804
42581_2581	42581	2581	-0.05	-1.099	1.815	1.477	10.005	102.797
42581_2582	42581	2582	0.05	15.751	-1.815	-1.477	-27.8	-185.412
42582_2582	42582	2582	-0.126	18.521	-2.104	1.798	27.8	185.688
42582_2583	42582	2583	0.126	-0.097	2.104	-1.798	-1.855	-70.898
42583_2583	42583	2583	-0.125	0.097	-2.104	1.773	1.855	70.898
42583_2584	42583	2584	0.125	16.707	2.104	-1.773	21.807	-164.294
42584_2584	42584	2584	-0.12	18.246	-0.393	2.386	-21.807	164.472
42584_2585	42584	2585	0.12	-2.139	0.393	-2.386	26.076	-53.683
42585_2585	42585	2585	-0.119	2.139	-0.393	2.364	-26.076	53.684
42585_2586	42585	2586	0.119	15.632	0.393	-2.364	30.786	-134.597
42586_2586	42586	2586	-0.111	18.328	1.614	2.769	-30.786	134.896
42586_2587	42586	2587	0.111	-0.197	-1.614	-2.769	11.039	-21.56
42587_2587	42587	2587	-0.095	0.197	1.615	2.979	-11.039	21.532
42587_2588	42587	2588	0.095	17.761	-1.615	-2.979	-8.532	-127.961
42588_2588	42588	2588	-0.103	18.511	0.396	2.446	8.532	128.046
42588_2589	42588	2589	0.103	0.676	-0.396	-2.446	-13.658	-12.577
42589_2589	42589	2589	-0.103	-0.676	0.396	2.453	13.658	12.576
42589_2590	42589	2590	0.103	17.57	-0.396	-2.453	-18.172	-116.592
42590_2590	42590	2590	-0.1	18.209	0.449	1.618	18.172	116.516
42590_2591	42590	2591	0.1	1.511	-0.449	-1.618	-24.146	-5.402
42591_2591	42591	2591	-0.096	-1.511	0.45	1.66	24.146	5.389
42591_2592	42591	2592	0.096	17.867	-0.45	-1.66	-29.109	-112.338
42592_2592	42592	2592	-0.095	17.722	0.451	0.609	29.109	112.82

42592_2593	42592	2593	0.095	1.152	-0.451	-0.609	-34.857	-7.285
42593_2593	42593	2593	-0.094	-1.152	0.451	0.613	34.857	7.284
42593_2594	42593	2594	0.094	18.367	-0.451	-0.613	-40.101	-120.667
42594_2594	42594	2594	-0.092	17.932	0.422	-0.646	40.101	120.046
42594_2595	42594	2595	0.092	-0.355	-0.422	0.646	-45.11	-11.583
42595_2595	42595	2595	-0.087	0.355	0.423	-0.513	45.11	11.589
42595_2596	42595	2596	0.087	18.147	-0.423	0.513	-50.396	-122.673
42596_2596	42596	2596	-0.083	16.193	1.254	-1.566	50.396	122.66
42596_2597	42596	2597	0.083	1.77	-1.254	1.566	-65.596	-35.24
42597_2597	42597	2597	-0.083	-1.77	1.254	-1.555	65.596	35.24
42597_2598	42597	2598	0.083	19.888	-1.254	1.555	-80.928	-167.643
42598_2598	42598	2598	-0.085	19.998	-3.329	-2.194	80.928	167.438
42598_2599	42598	2599	0.085	-1.128	3.329	2.194	-38.532	-32.918
42599_2599	42599	2599	-0.104	1.128	-3.329	-2.01	38.532	32.929
42599_2600	42599	2600	0.104	17.694	3.329	2.01	3.749	-138.146
42600_2600	42600	2600	-0.094	20.602	0.329	-2.265	-3.749	137.891
42600_2601	42600	2601	0.094	-3.721	-0.329	2.265	0	0.653
43000_3000	43000	3000	4.399	457.204	1.729	7.187	0	21.579
43000_3001	43000	3001	-4.399	-413.706	-1.729	-7.187	-25.793	6473.975
43001_3001	43001	3001	4.401	413.706	1.724	-0.444	25.793	-6473.98
43001_3002	43001	3002	-4.401	-383.389	-1.724	0.444	-43.717	10617.57
43002_3002	43002	3002	4.372	326.103	-1.586	15.76	43.717	-10617.8
43002_3003	43002	3003	-4.372	-290.643	1.586	-15.76	-24.427	14367.72
43003_3003	43003	3003	4.37	290.643	-1.594	-9.175	24.427	-14367.7
43003_3004	43003	3004	-4.37	-255.161	1.594	9.175	-5.032	17688.35
43004_3004	43004	3004	4.388	212.435	0.893	11.083	5.032	-17688.7
43004_3005	43004	3005	-4.388	-176.96	-0.893	-11.083	-15.902	20057.3
43005_3005	43005	3005	4.389	176.96	0.889	-7.322	15.902	-20057.3
43005_3006	43005	3006	-4.389	-141.46	-0.889	7.322	-26.73	21995.52
43006_3006	43006	3006	4.38	98.052	-0.202	20.714	26.73	-21995.9
43006_3007	43006	3007	-4.38	-62.584	0.202	-20.714	-24.279	22972.76
43007_3007	43007	3007	4.379	62.584	-0.209	-19.078	24.279	-22972.8
43007_3008	43007	3008	-4.379	-27.095	0.209	19.078	-21.735	23518.48
43008_3008	43008	3008	4.389	-15.856	0.888	8.871	21.735	-23519.1
43008_3009	43008	3009	-4.389	51.339	-0.888	-8.871	-32.545	23110.31
43009_3009	43009	3009	4.39	-51.339	0.885	-9.986	32.545	-23110.3
43009_3010	43009	3010	-4.39	86.817	-0.885	9.986	-43.31	22269.86
43010_3010	43010	3010	4.382	-130.153	-0.165	15.136	43.31	-22270.2
43010_3011	43010	3011	-4.382	165.628	0.165	-15.136	-41.297	20471.06
43011_3011	43011	3011	4.382	-165.628	-0.173	-18.289	41.297	-20471.1
43011_3012	43011	3012	-4.382	201.096	0.173	18.289	-39.197	18240.79
43012_3012	43012	3012	4.382	-243.585	-0.101	3.592	39.197	-18241.2
43012_3013	43012	3013	-4.382	279.076	0.101	-3.592	-37.965	15060.61
43013_3013	43013	3013	4.382	-279.076	-0.105	-8.702	37.965	-15060.6
43013_3014	43013	3014	-4.382	314.563	0.105	8.702	-36.689	11448.42
43014_3014	43014	3014	4.384	-355.889	0.195	1.217	36.689	-11448.6
43014_3015	43014	3015	-4.384	403.874	-0.195	-1.217	-39.895	5197.498
43015_3015	43015	3015	8.97	-403.799	0.189	-6.681	39.832	-5194.8
43015_3016	43015	3016	-9.225	426.253	-0.189	6.681	-41.386	1774.209
43016_3016	43016	3016	19.886	-475.088	-0.277	-4.139	41.359	-1775.16
43016_3017	43016	3017	-20.939	507.192	0.277	4.139	-38.103	-3999.28
43017_3017	43017	3017	35.125	-506.406	-0.283	-0.723	38.257	3999.303
43017_3018	43017	3018	-37.492	545.257	0.283	0.723	-34.52	-10977.4
43018_3018	43018	3018	57.099	-593.219	2.554	-15.867	33.269	10977.36
43018_3019	43018	3019	-60.531	631.717	-2.554	15.867	-65.29	-18663

43019_3019	43019	3019	77.945	-629.804	2.547	11.797	68.266	18663.04
43019_3020	43019	3020	-82.74	670.759	-2.547	-11.797	-100.268	-26844.5
43020_3020	43020	3020	-2492.25	206.409	-15.592	-6.104	365.818	5720.361
43020_3021	43020	3021	2492.246	-179.853	15.592	6.104	-217.793	-3886.8
43021_3021	43021	3021	-2492.27	179.853	-10.827	2.672	217.793	3870.311
43021_3022	43021	3022	2492.271	-160.276	10.827	-2.672	-133.855	-2551.9
43022_3022	43022	3022	-2492.27	160.276	-10.827	2.672	133.855	2551.895
43022_3023	43022	3023	2492.271	-140.699	10.827	-2.672	-49.918	-1385.25
43023_3023	43023	3023	-2492.31	93.787	-9.09	-0.643	49.918	1385.297
43023_3024	43023	3024	2492.305	-73.579	9.09	0.643	22.825	-715.657
43024_3024	43024	3024	-2492.31	73.579	-9.09	-0.643	-22.825	715.657
43024_3025	43024	3025	2492.305	-53.371	9.09	0.643	95.568	-207.722
43025_3025	43025	3025	-2492.31	53.371	-6.308	-0.411	-95.568	207.723
43025_3026	43025	3026	2492.313	-33.191	6.308	0.411	145.973	138.143
43026_3026	43026	3026	-2492.3	-13.322	-5.247	-0.819	-145.973	-138.228
43026_3027	43026	3027	2492.296	28.477	5.247	0.819	177.459	12.808
43027_3027	43027	3027	-2492.3	-28.477	-1.114	-0.84	-177.459	-12.807
43027_3028	43027	3028	2492.301	43.629	1.114	0.84	184.145	-203.513
43028_3028	43028	3028	-2492.3	-43.629	-1.114	-0.84	-184.145	203.513
43028_3029	43028	3029	2492.301	58.781	1.114	0.84	190.832	-510.745
43029_3029	43029	3029	-2492.3	-58.781	3.019	0.007	-190.832	510.746
43029_3030	43029	3030	2492.3	73.93	-3.019	-0.007	172.719	-908.819
43030_3030	43030	3030	-2492.31	-120.836	1.519	-3.439	-172.719	908.772
43030_3031	43030	3031	2492.306	141.062	-1.519	3.439	160.553	-1957.55
43031_3031	43031	3031	-2492.3	-141.062	4.313	-1.245	-160.553	1957.552
43031_3032	43031	3032	2492.302	161.259	-4.313	1.245	126.06	-3166.55
43032_3032	43032	3032	-2492.3	-161.259	7.414	2.696	-126.06	3166.551
43032_3033	43032	3033	2492.295	181.455	-7.414	-2.696	66.768	-4536.92
43033_3033	43033	3033	-2492.29	-230.242	7.032	-11.063	-66.768	4537.061
43033_3034	43033	3034	2492.286	249.804	-7.032	11.063	12.292	-6396.38
43034_3034	43034	3034	-2492.26	-249.804	13.741	6.155	-12.292	6396.383
43034_3035	43034	3035	2492.258	269.387	-13.741	-6.155	-94.264	-8409.4
43035_3035	43035	3035	-2492.27	-269.387	12.314	2.138	94.264	8426.741
43035_3036	43035	3036	2492.266	295.967	-12.314	-2.138	-211.28	-11112.9
43036_3036	43036	3036	80.627	559.689	-0.558	-11.6	-9.678	33661.35
43036_3037	43036	3037	-75.833	-518.757	0.558	11.6	16.672	-26881.4
43037_3037	43037	3037	61.455	520.671	-0.571	12.159	-19.057	26881.43
43037_3038	43037	3038	-58.023	-482.174	0.571	-12.159	26.21	-20589.7
43038_3038	43038	3038	41.929	440.449	0.186	-3.89	-24.873	20590.45
43038_3039	43038	3039	-39.562	-401.613	-0.186	3.89	22.409	-15005.6
43039_3039	43039	3039	27.698	402.555	0.166	15.563	-23.033	14988.72
43039_3040	43039	3040	-26.657	-370.79	-0.166	-15.563	21.079	-10441
43040_3040	43040	3040	18.561	316.747	1.41	-3.541	-20.642	10441.58
43040_3041	43040	3041	-18.31	-294.703	-1.41	3.541	9.005	-7918.55
43041_3041	43041	3041	15.167	294.942	1.394	4.229	-9.032	7913.091
43041_3042	43041	3042	-15.167	-256.621	-1.394	-4.229	-13.295	-3497.46
43042_3042	43042	3042	15.153	211.055	-0.321	1.155	13.295	3497.551
43042_3043	43042	3043	-15.153	-182.446	0.321	-1.155	-9.458	-1145.67
43043_3043	43043	3043	15.153	182.446	-0.334	2.11	9.458	1145.67
43043_3044	43043	3044	-15.153	-153.839	0.334	-2.11	-5.471	864.095
43044_3044	43044	3044	15.159	113.562	0.233	2.68	5.471	-864.114
43044_3045	43044	3045	-15.159	-84.957	-0.233	-2.68	-8.255	2050.453
43045_3045	43045	3045	15.159	84.957	0.207	-0.88	8.255	-2050.46
43045_3046	43045	3046	-15.159	-56.332	-0.207	0.88	-10.726	2895.377
43046_3046	43046	3046	15.157	15.753	-0.077	0.166	10.726	-2895.43

43046_3047	43046	3047	-15.157	12.845	0.077	-0.166	-9.809	2912.801
43047_3047	43047	3047	15.157	-12.845	-0.078	-0.03	9.809	-2912.8
43047_3048	43047	3048	-15.157	41.466	0.078	0.03	-8.88	2588.065
43048_3048	43048	3048	15.156	-82.394	-0.215	-0.736	8.88	-2588.12
43048_3049	43048	3049	-15.156	111.009	0.215	0.736	-6.311	1431.933
43049_3049	43049	3049	15.156	-111.009	-0.214	-0.643	6.311	-1431.93
43049_3050	43049	3050	-15.156	139.601	0.214	0.643	-3.757	-64.993
43050_3050	43050	3050	15.148	-181.843	-0.774	-1.523	3.757	64.995
43050_3051	43050	3051	-15.148	220.127	0.774	1.523	8.621	-3279.91
43051_3051	43051	3051	17.848	-219.882	-0.782	0.195	-8.616	3281.799
43051_3052	43051	3052	-18.079	240.236	0.782	-0.195	15.068	-5180.63
43052_3052	43052	3052	25.135	-288.184	0.091	-2.782	-15.158	5180.63
43052_3053	43052	3053	-26.095	317.453	-0.091	2.782	14.083	-8740.85
43053_3053	43053	3053	35.275	-316.504	0.081	3.157	-13.803	8743.369
43053_3054	43053	3054	-37.57	354.044	-0.081	-3.157	12.729	-13191.2
43054_3054	43054	3054	51.815	-398.839	2.627	-14.386	-14.23	13191.12
43054_3055	43054	3055	-55.132	435.957	-2.627	14.386	-18.707	-18429
43055_3055	43055	3055	67.265	-434.221	2.602	14.283	21.781	18429.02
43055_3056	43055	3056	-71.883	473.591	-2.602	-14.283	-54.487	-24140.6
43056_3056	43056	3056	-2038.28	269.797	-9.147	-3.148	156.697	8131.618
43056_3057	43056	3057	2038.275	-244.041	9.147	3.148	-69.777	-5690.31
43057_3057	43057	3057	-2038.29	244.041	-6.52	4.357	69.777	5657.224
43057_3058	43057	3058	2038.285	-223.503	6.52	-4.357	-19.266	-3846.08
43058_3058	43058	3058	-2038.29	223.503	-6.52	4.357	19.266	3846.082
43058_3059	43058	3059	2038.285	-202.964	6.52	-4.357	31.246	-2194.06
43059_3059	43059	3059	-2038.3	157.128	-7.028	0.191	-31.246	2194.084
43059_3060	43059	3060	2038.304	-135.899	7.028	-0.191	87.522	-1020.87
43060_3060	43060	3060	-2038.31	135.899	-4.653	1.38	-87.522	1020.868
43060_3061	43060	3061	2038.31	-114.7	4.653	-1.38	124.734	-18.857
43061_3061	43061	3061	-2038.31	114.7	-4.653	1.38	-124.734	18.857
43061_3062	43061	3062	2038.31	-93.5	4.653	-1.38	161.946	813.62
43062_3062	43062	3062	-2038.3	49.052	0.735	1.319	-161.946	-813.68
43062_3063	43062	3063	2038.299	-33.141	-0.735	-1.319	157.535	1060.343
43063_3063	43063	3063	-2038.3	33.141	0.735	1.319	-157.535	-1060.34
43063_3064	43063	3064	2038.299	-17.229	-0.735	-1.319	153.124	1211.504
43064_3064	43064	3064	-2038.3	17.229	0.735	1.319	-153.124	-1211.5
43064_3065	43064	3065	2038.299	-1.318	-0.735	-1.319	148.713	1267.164
43065_3065	43065	3065	-2038.3	1.318	3.915	-0.657	-148.713	-1267.17
43065_3066	43065	3066	2038.295	14.566	-3.915	0.657	125.258	1227.478
43066_3066	43066	3066	-2038.29	-59.173	5.015	0.683	-125.258	-1227.58
43066_3067	43066	3067	2038.291	80.394	-5.015	-0.683	85.116	668.965
43067_3067	43067	3067	-2038.29	-80.394	5.015	0.683	-85.116	-668.965
43067_3068	43067	3068	2038.291	101.616	-5.015	-0.683	44.973	-59.53
43068_3068	43068	3068	-2038.27	-101.616	9.949	0.827	-44.973	59.528
43068_3069	43068	3069	2038.273	122.807	-9.949	-0.827	-34.554	-956.527
43069_3069	43069	3069	-2038.27	-167.328	9.403	-3.85	34.554	956.539
43069_3070	43069	3070	2038.272	187.883	-9.403	3.85	-107.464	-2333.63
43070_3070	43070	3070	-2038.26	-187.883	11.875	-1.021	107.464	2333.636
43070_3071	43070	3071	2038.259	208.41	-11.875	1.021	-199.411	-3867.9
43071_3071	43071	3071	-2038.24	-208.41	14.542	4.576	199.411	3897.34
43071_3072	43071	3072	2038.242	234.174	-14.542	-4.576	-337.634	-6000.8
43072_3072	43072	3072	77.89	511.523	-1.872	-3.568	60.932	21714.38
43072_3073	43072	3073	-73.272	-472.155	1.872	3.568	-37.411	-15526.7
43073_3073	43073	3073	60.172	474.023	-1.886	7.766	36.127	15526.7
43073_3074	43073	3074	-56.855	-436.914	1.886	-7.766	-12.486	-9812.83

43074_3074	43074	3074	42.026	396.945	-0.082	3.73	12.967	9813.19
43074_3075	43074	3075	-39.732	-359.393	0.082	-3.73	-11.874	-4794.93
43075_3075	43075	3075	28.825	360.452	-0.112	10.498	11.794	4795.981
43075_3076	43075	3076	-27.897	-332.129	0.112	-10.498	-10.476	-723.466
43076_3076	43076	3076	20.576	283.055	1.122	2.156	10.67	723.688
43076_3077	43076	3077	-20.352	-263.401	-1.122	-2.156	-19.92	1528.128
43077_3077	43077	3077	17.489	263.649	1.087	-0.738	19.962	-1532.45
43077_3078	43077	3078	-17.489	-226.863	-1.087	0.738	-35.781	5100.515
43078_3078	43078	3078	17.478	187.66	-0.285	1.708	35.781	-5100.63
43078_3079	43078	3079	-17.478	-159.257	0.285	-1.708	-32.581	7049.091
43079_3079	43079	3079	17.478	159.257	-0.285	1.708	32.581	-7049.09
43079_3080	43079	3080	-17.478	-130.853	0.285	-1.708	-29.382	8678.49
43080_3080	43080	3080	17.477	94.966	-0.263	5.092	29.382	-8678.66
43080_3081	43080	3081	-17.477	-66.539	0.263	-5.092	-26.427	9586.482
43081_3081	43081	3081	17.476	66.539	-0.278	-3.039	26.427	-9586.48
43081_3082	43081	3082	-17.476	-38.139	0.278	3.039	-23.309	10174.34
43082_3082	43082	3082	17.477	-0.46	-0.17	4.514	23.309	-10174.5
43082_3083	43082	3083	-17.477	30.984	0.17	-4.514	-21.252	9984.734
43083_3083	43083	3083	17.477	-30.984	-0.186	-4.105	21.252	-9984.73
43083_3084	43083	3084	-17.477	61.533	0.186	4.105	-19.01	9425.874
43084_3084	43084	3084	17.478	-100.175	-0.133	3.149	19.01	-9426.03
43084_3085	43084	3085	-17.478	128.571	0.133	-3.149	-17.519	8141.637
43085_3085	43085	3085	17.477	-128.571	-0.149	-4.391	17.519	-8141.64
43085_3086	43085	3086	-17.477	156.991	0.149	4.391	-15.845	6536.859
43086_3086	43086	3086	17.475	-194.134	-0.365	0.508	15.845	-6537.01
43086_3087	43086	3087	-17.475	222.552	0.365	-0.508	-11.74	4195.517
43087_3087	43087	3087	17.475	-222.552	-0.38	-3.079	11.74	-4195.52
43087_3088	43087	3088	-17.475	250.944	0.38	3.079	-7.472	1537.251
43088_3088	43088	3088	17.472	-288.549	-0.738	-2.7	7.472	-1537.27
43088_3089	43088	3089	-17.472	323.923	0.738	2.7	2.854	-2746.87
43089_3089	43089	3089	21.24	-323.672	-0.753	-0.248	-2.853	2753.109
43089_3090	43089	3090	-21.476	344.481	0.753	0.248	9.066	-5511.19
43090_3090	43090	3090	30.427	-388.004	-1.035	-6.646	-9.27	5511.211
43090_3091	43090	3091	-31.408	417.902	1.035	6.646	21.434	-10246.9
43091_3091	43091	3091	43.245	-416.797	-1.051	2.854	-21.058	10246.01
43091_3092	43091	3092	-45.495	453.723	1.051	-2.854	35.006	-16021.5
43092_3092	43092	3092	62.389	-498.534	2.472	-10.063	-36.119	16021.4
43092_3093	43092	3093	-65.646	535.078	-2.472	10.063	5.105	-22508.8
43093_3093	43093	3093	80.486	-533.029	2.459	7.357	-3.346	22508.77
43093_3094	43093	3094	-85.027	571.8	-2.459	-7.357	-27.549	-29456.9
43094_3094	43094	3094	-2350.16	239.383	-7.11	-8.059	63.55	8771.402
43094_3095	43094	3095	2350.157	-214.067	7.11	8.059	4.031	-6616.51
43095_3095	43095	3095	-2350.17	214.067	-2.173	5.969	-4.031	6618.75
43095_3096	43095	3096	2350.167	-194.035	2.173	-5.969	20.86	-5038.76
43096_3096	43096	3096	-2350.17	194.035	-2.087	6.153	-20.86	5038.757
43096_3097	43096	3097	2350.167	-173.977	2.087	-6.153	37.043	-3612.14
43097_3097	43097	3097	-2350.18	130.056	-2.362	-2.241	-37.043	3612.191
43097_3098	43097	3098	2350.18	-109.351	2.362	2.241	55.944	-2654.2
43098_3098	43098	3098	-2350.18	109.351	0.497	0.987	-55.944	2654.203
43098_3099	43098	3099	2350.181	-88.673	-0.497	-0.987	51.973	-1862.83
43099_3099	43099	3099	-2350.18	88.673	0.574	1.049	-51.973	1862.825
43099_3100	43099	3100	2350.181	-67.969	-0.574	-1.049	47.379	-1236.04
43100_3100	43100	3100	-2350.14	24.898	8.879	4.124	-47.379	1236.016
43100_3101	43100	3101	2350.136	-9.37	-8.879	-4.124	-5.909	-1133.18
43101_3101	43101	3101	-2350.14	9.37	8.879	4.124	5.909	1133.18

43101_3102	43101	3102	2350.136	6.157	-8.879	-4.124	-59.198	-1123.54
43102_3102	43102	3102	-2350.13	-6.157	-10.82	-5.293	59.198	1123.534
43102_3103	43102	3103	2350.127	21.663	10.82	5.293	5.648	-1206.9
43103_3103	43103	3103	-2350.14	-21.663	-6.776	-3.217	-5.648	1206.91
43103_3104	43103	3104	2350.143	37.193	6.776	3.217	46.327	-1383.57
43104_3104	43104	3104	-2350.14	-80.335	-1.673	-1.804	-46.327	1383.57
43104_3105	43104	3105	2350.139	101.042	1.673	1.804	59.717	-2109.43
43105_3105	43105	3105	-2350.14	-101.042	1.174	0.751	-59.717	2109.432
43105_3106	43105	3106	2350.139	121.722	-1.174	-0.751	50.333	-2999.78
43106_3106	43106	3106	-2350.14	-121.722	1.262	0.863	-50.333	2999.776
43106_3107	43106	3107	2350.139	142.428	-1.262	-0.863	40.232	-4056.86
43107_3107	43107	3107	-2350.14	-185.809	4.186	-3.427	-40.232	4056.912
43107_3108	43107	3108	2350.137	205.867	-4.186	3.427	7.776	-5575.27
43108_3108	43108	3108	-2350.14	-205.867	4.1	-3.631	-7.776	5575.267
43108_3109	43108	3109	2350.137	225.899	-4.1	3.631	-23.972	-7246.88
43109_3109	43109	3109	-2350.13	-225.899	6.578	4.214	23.972	7243.897
43109_3110	43109	3110	2350.132	251.213	-6.578	-4.214	-86.49	-9511.03
43110_3110	43110	3110	94.275	554.519	-2.324	-18.038	42.301	30446.84
43110_3111	43110	3111	-89.734	-515.754	2.324	18.038	-13.107	-23717.6
43111_3111	43111	3111	75.408	518.061	-2.371	19.864	9.132	23717.57
43111_3112	43111	3112	-72.151	-481.524	2.371	-19.864	20.604	-17445.5
43112_3112	43112	3112	56.165	442.324	0.834	-1.865	-18.675	17445.87
43112_3113	43112	3113	-53.915	-405.38	-0.834	1.865	7.602	-11819.5
43113_3113	43113	3113	41.876	406.806	0.798	12.423	-8.044	11821.85
43113_3114	43113	3114	-40.905	-377.217	-0.798	-12.423	-1.33	-7216.67
43114_3114	43114	3114	32.65	329.133	0.607	2.212	1.624	7216.849
43114_3115	43114	3115	-32.416	-308.543	-0.607	-2.212	-6.636	-4585.78
43115_3115	43115	3115	29.084	308.918	0.61	1.691	6.653	4575.07
43115_3116	43115	3116	-29.084	-274.771	-0.61	-1.691	-15.496	-342.421
43116_3116	43116	3116	29.084	235.602	-0.343	3.879	15.496	342.405
43116_3117	43116	3117	-29.084	-209.133	0.343	-3.879	-11.637	2157.443
43117_3117	43117	3117	29.084	209.133	-0.395	0.074	11.637	-2157.45
43117_3118	43117	3118	-29.084	-182.69	0.395	-0.074	-7.204	4357.848
43118_3118	43118	3118	29.085	147.68	0.12	6.686	7.204	-4357.86
43118_3119	43118	3119	-29.085	-121.236	-0.12	-6.686	-8.553	5868.047
43119_3119	43119	3119	29.085	121.236	0.068	-3.762	8.553	-5868.05
43119_3120	43119	3120	-29.085	-94.793	-0.068	3.762	-9.32	7081.195
43120_3120	43120	3120	29.084	57.227	-0.23	3.836	9.32	-7081.18
43120_3121	43120	3121	-29.084	-28.806	0.23	-3.836	-6.541	7600.448
43121_3121	43121	3121	29.084	28.806	-0.254	-2.46	6.541	-7600.45
43121_3122	43121	3122	-29.084	-0.386	0.254	2.46	-3.471	7776.641
43122_3122	43122	3122	29.084	-37.68	-0.033	2.999	3.471	-7776.64
43122_3123	43122	3123	-29.084	64.122	0.033	-2.999	-3.099	7204.983
43123_3123	43123	3123	29.084	-64.122	-0.059	-3.484	3.099	-7204.98
43123_3124	43123	3124	-29.084	90.587	0.059	3.484	-2.433	6335.469
43124_3124	43124	3124	29.084	-127.941	-0.322	3.145	2.433	-6335.47
43124_3125	43124	3125	-29.084	154.383	0.322	-3.145	1.187	4750.145
43125_3125	43125	3125	29.083	-154.383	-0.374	-5.314	-1.187	-4750.14
43125_3126	43125	3126	-29.083	180.824	0.374	5.314	5.389	2867.901
43126_3126	43126	3126	29.079	-219.241	-0.604	-1.911	-5.389	-2867.93
43126_3127	43126	3127	-29.079	251.756	0.604	1.911	13.728	-384.392
43127_3127	43127	3127	32.083	-251.38	-0.638	-1.153	-13.738	393.009
43127_3128	43127	3128	-32.297	270.284	0.638	1.153	19.003	-2545.01
43128_3128	43128	3128	39.883	-317.561	-2.843	-7.415	-19.221	2544.88
43128_3129	43128	3129	-40.776	344.771	2.843	7.415	52.641	-6437.89

43129_3129	43129	3129	50.595	-343.415	-2.904	7.897	-51.975	6434.278
43129_3130	43129	3130	-52.774	379.185	2.904	-7.897	90.498	-11229.1
43130_3130	43130	3130	67.622	-423.755	7.978	-6.269	-91.695	11228.99
43130_3131	43130	3131	-70.781	459.184	-7.978	6.269	-8.305	-16767.9
43131_3131	43131	3131	87.252	-456.316	7.958	4.934	9.532	16767.88
43131_3132	43131	3132	-91.665	491.529	-7.958	-4.934	-103.015	-22345.3
43132_3132	43132	3132	-2050.09	218.425	15.116	13.815	-128.414	6321.898
43132_3133	43132	3133	2050.094	-191.894	-15.116	-13.815	-27.276	-4208.76
43133_3133	43133	3133	-2050.11	191.894	12.47	10.803	27.276	4235.267
43133_3134	43133	3134	2050.111	-173.643	-12.47	-10.803	-123.921	-2818.81
43134_3134	43134	3134	-2050.12	173.643	-11.234	-21.79	123.921	2818.746
43134_3135	43134	3135	2050.118	-155.32	11.234	21.79	-36.511	-1538.97
43135_3135	43135	3135	-2050.38	114.87	0.334	0.006	36.511	1539.392
43135_3136	43135	3136	2050.382	-96.029	-0.334	-0.006	-39.186	-695.685
43136_3136	43136	3136	-2050.38	96.029	0.334	0.006	39.186	695.685
43136_3137	43136	3137	2050.382	-77.187	-0.334	-0.006	-41.861	-2.732
43137_3137	43137	3137	-2050.38	77.187	2.858	0.009	41.861	2.732
43137_3138	43137	3138	2050.38	-58.369	-2.858	-0.009	-64.701	538.873
43138_3138	43138	3138	-2050.34	17.507	-3.086	0.294	64.701	-538.958
43138_3139	43138	3139	2050.338	-3.376	3.086	-0.294	-46.183	601.617
43139_3139	43139	3139	-2050.34	3.376	-3.086	0.294	46.183	-601.617
43139_3140	43139	3140	2050.338	10.755	3.086	-0.294	-27.664	579.476
43140_3140	43140	3140	-2050.34	-10.755	0.33	-0.671	27.664	-579.475
43140_3141	43140	3141	2050.34	24.887	-0.33	0.671	-29.646	472.537
43141_3141	43141	3141	-2050.34	-24.887	-3.086	0.116	29.646	-472.538
43141_3142	43141	3142	2050.338	39.018	3.086	-0.116	-11.128	280.797
43142_3142	43142	3142	-2050.34	-81.084	-2.353	-0.037	11.128	-280.875
43142_3143	43142	3143	2050.339	99.926	2.353	0.037	7.696	-443.257
43143_3143	43143	3143	-2050.34	-99.926	0.21	0.517	-7.696	443.257
43143_3144	43143	3144	2050.34	118.767	-0.21	-0.517	6.018	-1318.13
43144_3144	43144	3144	-2050.34	-118.767	-2.353	-1.13	-6.018	1318.125
43144_3145	43144	3145	2050.339	137.609	2.353	1.13	24.841	-2343.76
43145_3145	43145	3145	-2050.37	-181.645	1.156	0.772	-24.841	2343.765
43145_3146	43145	3146	2050.368	199.898	-1.156	-0.772	15.884	-3822.42
43146_3146	43146	3146	-2050.37	-199.898	-1.489	-4.159	-15.884	3822.422
43146_3147	43146	3147	2050.368	218.151	1.489	4.159	27.429	-5442.59
43147_3147	43147	3147	-2050.37	-218.151	0.529	1.921	-27.429	5419.438
43147_3148	43147	3148	2050.368	242.625	-0.529	-1.921	22.402	-7608.4
43148_3148	43148	3148	105.83	477.731	-1.363	0.676	1.639	24354.93
43148_3149	43148	3149	-101.418	-440.07	1.363	-0.676	15.479	-18585.7
43149_3149	43149	3149	89.165	442.722	-1.364	1.326	-15.479	18585.68
43149_3150	43149	3150	-86.006	-407.289	1.364	-1.326	32.58	-13253.2
43150_3150	43150	3150	71.913	366.671	-0.107	1.073	-32.48	13253.13
43150_3151	43150	3151	-69.734	-330.896	0.107	-1.073	33.902	-8624.1
43151_3151	43151	3151	59.583	332.783	-0.091	0.778	-33.826	8626.98
43151_3152	43151	3152	-58.666	-304.827	0.091	-0.778	34.893	-4879.18
43152_3152	43152	3152	51.934	253.694	1.568	1.792	-34.878	4879.152
43152_3153	43152	3153	-51.713	-234.267	-1.568	-1.792	21.942	-2866.01
43153_3153	43153	3153	49.232	234.851	1.58	1.096	-21.929	2865.554
43153_3154	43153	3154	-49.232	-203.497	-1.58	-1.096	0.215	146.278
43154_3154	43154	3154	49.256	161.404	0.01	2.081	-0.215	-146.264
43154_3155	43154	3155	-49.256	-136.302	-0.01	-2.081	0.1	1783.861
43155_3155	43155	3155	49.256	136.302	-0.034	0.459	-0.1	-1783.86
43155_3156	43155	3156	-49.256	-111.2	0.034	-0.459	0.477	3145.285
43156_3156	43156	3156	49.249	75.307	0.423	0.652	-0.477	-3145.31

43156_3157	43156	3157	-49.249	-52.465	-0.423	-0.652	-3.759	3784.887
43157_3157	43157	3157	49.249	52.465	0.423	0.652	3.759	-3784.89
43157_3158	43157	3158	-49.249	-29.622	-0.423	-0.652	-7.995	4195.784
43158_3158	43158	3158	49.257	-3.863	-0.146	-0.107	7.995	-4195.8
43158_3159	43158	3159	-49.257	26.706	0.146	0.107	-6.531	4042.778
43159_3159	43159	3159	49.257	-26.706	-0.147	-0.171	6.531	-4042.78
43159_3160	43159	3160	-49.257	49.571	0.147	0.171	-5.057	3660.58
43160_3160	43160	3160	49.262	-86.953	-0.343	0.244	5.057	-3660.58
43160_3161	43160	3161	-49.262	112.032	0.343	-0.244	-1.29	2567.01
43161_3161	43161	3161	49.261	-112.032	-0.388	-2.127	1.29	-2567.01
43161_3162	43161	3162	-49.261	137.133	0.388	2.127	2.982	1196.439
43162_3162	43162	3162	49.259	-177.371	-0.191	-0.921	-2.982	-1196.43
43162_3163	43162	3163	-49.259	208.748	0.191	0.921	5.612	-1458.47
43163_3163	43163	3163	51.784	-208.161	-0.143	-2.351	-5.632	1458.699
43163_3164	43163	3164	-52.005	227.565	0.143	2.351	6.806	-3254.22
43164_3164	43164	3164	58.741	-276.371	-1.293	0.392	-6.763	3254.071
43164_3165	43164	3165	-59.657	304.328	1.293	-0.392	21.963	-6667.59
43165_3165	43165	3165	68.376	-302.455	-1.267	-3.514	-22.202	6659.811
43165_3166	43165	3166	-70.584	338.697	1.267	3.514	39.014	-10914.6
43166_3166	43166	3166	84.839	-389.335	2.087	-1.713	-39.003	10914.66
43166_3167	43166	3167	-88.038	425.209	-2.087	1.713	12.835	-16025.1
43167_3167	43167	3167	99.816	-422.595	2.087	-1.385	-12.876	16025.08
43167_3168	43167	3168	-104.28	460.726	-2.087	1.385	-13.353	-21582.6
43168_3168	43168	3168	-1964.47	245.622	-6.453	-3.937	106.292	6762.876
43168_3169	43168	3169	1964.471	-220.813	6.453	3.937	-44.983	-4547
43169_3169	43169	3169	-1964.48	220.813	-3.785	3.263	44.983	4572.691
43169_3170	43169	3170	1964.478	-202.057	3.785	-3.263	-15.645	-2933.87
43170_3170	43170	3170	-1964.48	202.057	-3.785	3.263	15.645	2933.874
43170_3171	43170	3171	1964.478	-183.3	3.785	-3.263	13.693	-1440.44
43171_3171	43171	3171	-1964.57	136.075	0.016	0.226	-13.693	1440.507
43171_3172	43171	3172	1964.568	-116.737	-0.016	-0.226	13.562	-430.389
43172_3172	43172	3172	-1964.57	116.737	0.056	0.235	-13.562	430.389
43172_3173	43172	3173	1964.568	-97.376	-0.056	-0.235	13.112	426.177
43173_3173	43173	3173	-1964.57	97.376	0.056	0.235	-13.112	-426.177
43173_3174	43173	3174	1964.568	-78.014	-0.056	-0.235	12.661	1127.829
43174_3174	43174	3174	-1964.56	33.584	1.997	-0.97	-12.661	-1127.91
43174_3175	43174	3175	1964.56	-19.063	-1.997	0.97	0.679	1285.872
43175_3175	43175	3175	-1964.56	19.063	-1.277	1.172	-0.679	-1285.87
43175_3176	43175	3176	1964.561	-4.542	1.277	-1.172	8.34	1356.697
43176_3176	43176	3176	-1964.56	4.542	1.997	-1.088	-8.34	-1356.7
43176_3177	43176	3177	1964.56	9.979	-1.997	1.088	-3.642	1340.384
43177_3177	43177	3177	-1964.56	-9.979	-1.277	1.145	3.642	-1340.38
43177_3178	43177	3178	1964.561	24.5	1.277	-1.145	4.019	1236.931
43178_3178	43178	3178	-1964.56	-69.399	-0.827	-0.231	-4.019	-1236.94
43178_3179	43178	3179	1964.556	88.76	0.827	0.231	10.638	604.223
43179_3179	43179	3179	-1964.56	-88.76	-0.827	-0.231	-10.638	-604.223
43179_3180	43179	3180	1964.556	108.122	0.827	0.231	17.258	-183.411
43180_3180	43180	3180	-1964.56	-108.122	1.628	-0.001	-17.258	183.411
43180_3181	43180	3181	1964.555	127.483	-1.628	0.001	4.235	-1125.94
43181_3181	43181	3181	-1964.64	-174.303	2.915	-3.058	-4.235	1126.019
43181_3182	43181	3182	1964.643	193.036	-2.915	3.058	-18.327	-2547.82
43182_3182	43182	3182	-1964.64	-193.036	5.492	0.284	18.327	2547.822
43182_3183	43182	3183	1964.637	211.792	-5.492	-0.284	-60.892	-4116.72
43183_3183	43183	3183	-1964.64	-211.792	4.891	-0.017	60.892	4096.112
43183_3184	43183	3184	1964.639	236.6	-4.891	0.017	-107.365	-6226.24

43184_3184	43184	3184	101.574	471.866	-2.32	1.256	22.022	20969.82
43184_3185	43184	3185	-97.11	-433.736	2.32	-1.256	7.128	-15272.7
43185_3185	43185	3185	85.069	436.269	-2.32	1.446	-7.093	15272.72
43185_3186	43185	3186	-81.87	-400.396	2.32	-1.446	36.176	-10023.9
43186_3186	43186	3186	67.687	355.569	0.541	0.937	-36.053	10023.87
43186_3187	43186	3187	-65.479	-319.327	-0.541	-0.937	28.879	-5545.31
43187_3187	43187	3187	55.581	321.181	0.556	-0.348	-28.802	5563.238
43187_3188	43187	3188	-54.623	-291.958	-0.556	0.348	22.273	-1959.3
43188_3188	43188	3188	48.172	237.206	0.855	1.044	-22.278	1959.306
43188_3189	43188	3189	-47.941	-216.89	-0.855	-1.044	15.226	-85.877
43189_3189	43189	3189	45.662	217.421	0.866	1.001	-15.221	92.647
43189_3190	43189	3190	-45.662	-183.186	-0.866	-1.001	3.316	2659.88
43190_3190	43190	3190	45.671	139.84	0.282	0.735	-3.316	-2659.9
43190_3191	43190	3191	-45.671	-112.432	-0.282	-0.735	0.217	4047.579
43191_3191	43191	3191	45.671	112.432	0.282	0.735	-0.217	-4047.58
43191_3192	43191	3192	-45.671	-85.023	-0.282	-0.735	-2.882	5133.729
43192_3192	43192	3192	45.671	45.673	0.282	-0.052	2.882	-5133.7
43192_3193	43192	3193	-45.671	-20.582	-0.282	0.052	-5.72	5467.342
43193_3193	43193	3193	45.671	20.582	0.282	-0.052	5.72	-5467.34
43193_3194	43193	3194	-45.671	4.509	-0.282	0.052	-8.558	5548.283
43194_3194	43194	3194	45.702	-40.659	-1.398	-0.966	8.558	-5548.3
43194_3195	43194	3195	-45.702	65.75	1.398	0.966	5.519	5012.459
43195_3195	43195	3195	45.702	-65.75	-1.398	-0.966	-5.519	-5012.46
43195_3196	43195	3196	-45.702	90.841	1.398	0.966	19.596	4223.92
43196_3196	43196	3196	45.665	-129.858	0.144	-3.058	-19.596	-4223.91
43196_3197	43196	3197	-45.665	157.241	-0.144	3.058	18.015	2646.115
43197_3197	43197	3197	45.665	-157.241	0.185	-0.69	-18.015	-2646.12
43197_3198	43197	3198	-45.665	184.65	-0.185	0.69	15.982	765.466
43198_3198	43198	3198	45.685	-226.401	-0.734	-2.28	-15.982	-765.499
43198_3199	43198	3199	-45.685	260.661	0.734	2.28	26.075	-2583.48
43199_3199	43199	3199	48.876	-260.112	-0.745	-1.624	-26.087	2570.325
43199_3200	43199	3200	-49.121	281.269	0.745	1.624	32.234	-4803.91
43200_3200	43200	3200	57.199	-330.801	-0.442	-2.719	-32.299	4803.911
43200_3201	43200	3201	-58.216	361.196	0.442	2.719	37.488	-8868.43
43201_3201	43201	3201	68.636	-359.345	-0.457	0.136	-37.415	8862.359
43201_3202	43201	3202	-71.138	399.853	0.457	-0.136	43.478	-13901.1
43202_3202	43202	3202	87.168	-449.239	2.579	-1.446	-43.651	13901.07
43202_3203	43202	3203	-90.766	489.138	-2.579	1.446	11.32	-19789.3
43203_3203	43203	3203	104.369	-486.42	2.579	-1.219	-11.354	19789.3
43203_3204	43203	3204	-109.351	528.576	-2.579	1.219	-21.052	-26176.6
43204_3204	43204	3204	-2210.12	271.924	-1.226	3.277	35.382	8719.359
43204_3205	43204	3205	2210.123	-244.057	1.226	-3.277	-23.73	-6268.14
43205_3205	43205	3205	-2210.12	244.057	-3.402	-2.067	23.73	6020.592
43205_3206	43205	3206	2210.121	-222.805	3.402	2.067	2.64	-4211.25
43206_3206	43206	3206	-2210.12	222.805	-0.551	3.366	-2.64	4211.247
43206_3207	43206	3207	2210.123	-201.553	0.551	-3.366	6.911	-2566.66
43207_3207	43207	3207	-2210.08	150.613	-4.086	0.806	-6.911	2566.728
43207_3208	43207	3208	2210.079	-128.675	4.086	-0.806	39.606	-1449.43
43208_3208	43208	3208	-2210.08	128.675	-4.131	0.777	-39.606	1449.428
43208_3209	43208	3209	2210.079	-106.765	4.131	-0.777	72.619	-508.72
43209_3209	43209	3209	-2210.08	106.765	-1.324	1.423	-72.619	508.719
43209_3210	43209	3210	2210.082	-84.828	1.324	-1.423	83.216	257.738
43210_3210	43210	3210	-2210.13	34.546	-2.345	1.131	-83.216	-257.864
43210_3211	43210	3211	2210.132	-18.093	2.345	-1.131	97.288	415.804
43211_3211	43211	3211	-2210.13	18.093	-2.345	1.131	-97.288	-415.804

43211_3212	43211	3212	2210.132	-1.64	2.345	-1.131	111.359	475.009
43212_3212	43212	3212	-2210.13	1.64	1.338	0.339	-111.359	-475.011
43212_3213	43212	3213	2210.132	14.813	-1.338	-0.339	103.332	435.485
43213_3213	43213	3213	-2210.13	-14.813	-2.345	1.065	-103.332	-435.483
43213_3214	43213	3214	2210.132	31.267	2.345	-1.065	117.404	297.224
43214_3214	43214	3214	-2210.24	-81.742	6.623	1.065	-117.404	-297.226
43214_3215	43214	3215	2210.243	103.679	-6.623	-1.065	64.414	-444.543
43215_3215	43215	3215	-2210.25	-103.679	3.861	0.509	-64.414	444.544
43215_3216	43215	3216	2210.249	125.617	-3.861	-0.509	33.524	-1361.85
43216_3216	43216	3216	-2210.25	-125.617	3.861	0.509	-33.524	1361.851
43216_3217	43216	3217	2210.249	147.555	-3.861	-0.509	2.633	-2454.68
43217_3217	43217	3217	-2210.27	-197.637	6.796	-5.259	-2.633	2454.595
43217_3218	43217	3218	2210.272	218.889	-6.796	5.259	-50.039	-4068.83
43218_3218	43218	3218	-2210.28	-218.889	3.944	-10.508	50.039	4068.816
43218_3219	43218	3219	2210.279	240.141	-3.944	10.508	-80.611	-5847.81
43219_3219	43219	3219	-2210.24	-240.141	13.069	15.716	80.611	6102.788
43219_3220	43219	3220	2210.244	267.978	-13.069	-15.716	-204.648	-8514.01
43220_3220	43220	3220	103.099	543.752	-3.298	-28.541	59.398	25957.93
43220_3221	43220	3221	-98.117	-501.601	3.298	28.541	-17.942	-19381.1
43221_3221	43221	3221	84.151	504.143	-3.42	32.716	11.345	19381.14
43221_3222	43221	3222	-80.552	-464.249	3.42	-32.716	31.545	-13305.8
43222_3222	43222	3222	64.434	419.593	5.089	-1.808	-28.378	13305.31
43222_3223	43222	3223	-61.932	-379.09	-5.089	1.808	-39.156	-8005.41
43223_3223	43223	3223	50.107	380.896	4.89	30.273	38.293	8036.185
43223_3224	43223	3224	-49.038	-348.892	-4.89	-30.273	-95.765	-3746.93
43224_3224	43224	3224	41.29	289.374	-2.93	-3.879	96.38	3746.969
43224_3225	43224	3225	-41.032	-267.104	2.93	3.879	-72.204	-1451.36
43225_3225	43225	3225	38.164	267.533	-3.108	2.281	72.233	1455.628
43225_3226	43225	3226	-38.164	-222.984	3.108	-2.281	-22.719	2451.617
43226_3226	43226	3226	38.107	174.366	1.264	10.65	22.719	-2451.47
43226_3227	43226	3227	-38.107	-140.526	-1.264	-10.65	-38.017	4356.806
43227_3227	43227	3227	38.112	140.526	1.106	-7.419	38.017	-4356.81
43227_3228	43227	3228	-38.112	-106.712	-1.106	7.419	-51.393	5851.66
43228_3228	43228	3228	38.173	60.144	-1.595	13.876	51.393	-5850.68
43228_3229	43228	3229	-38.173	-24.211	1.595	-13.876	-32.104	6360.739
43229_3229	43229	3229	38.166	24.211	-1.753	-12.413	32.104	-6360.74
43229_3230	43229	3230	-38.166	11.727	1.753	12.413	-10.905	6436.235
43230_3230	43230	3230	38.073	-57.425	0.718	10.234	10.905	-6434.78
43230_3231	43230	3231	-38.073	93.87	-0.718	-10.234	-19.712	5506.917
43231_3231	43231	3231	38.076	-93.87	0.562	-12.355	19.712	-5506.91
43231_3232	43231	3232	-38.076	130.291	-0.562	12.355	-26.598	4133.12
43232_3232	43232	3232	37.837	-181.902	8.029	0.946	26.598	-4132.07
43232_3233	43232	3233	-37.837	205.185	-8.029	-0.946	-89.511	2615.514
43233_3233	43233	3233	37.841	-205.185	8.006	-0.652	89.511	-2615.51
43233_3234	43233	3234	-37.841	227.339	-8.006	0.652	-149.2	1003.142
43234_3234	43234	3234	40.723	-226.905	7.899	-4.892	149.149	-1003.14
43234_3235	43234	3235	-41.033	253.791	-7.899	4.892	-219.195	-1128.32
43235_3235	43235	3235	47.299	-305.371	-4.109	-7.473	219.121	1128.204
43235_3236	43235	3236	-47.79	323.235	4.109	7.473	-195.013	-2972.6
43236_3236	43236	3236	51.887	-322.575	-4.158	-1.917	195.181	2958.275
43236_3237	43236	3237	-52.545	339.294	4.158	1.917	-173.289	-4702.31
43237_3237	43237	3237	58.353	-338.348	-4.269	5.472	173.864	4701.711
43237_3238	43237	3238	-60.447	375.391	4.269	-5.472	-131.578	-8240.87
43238_3238	43238	3238	72.637	-419.546	-8.873	-15.485	130.245	8238.475
43238_3239	43238	3239	-75.734	458.977	8.873	15.485	-38.894	-12765.2

43239_3239	43239	3239	86.393	-457.104	-8.963	12.937	41.61	12765.17
43239_3240	43239	3240	-90.738	499.833	8.963	-12.937	55.151	-17938
43240_3240	43240	3240	104.657	-521.941	-24.73	-42.603	-61.476	17929.29
43240_3241	43240	3241	-108.318	552.056	24.73	42.603	244.173	-21891
43241_3241	43241	3241	-2181.01	352.112	-6.186	7.62	306.693	7571.344
43241_3242	43241	3242	2181.005	-317.6	6.186	-7.62	-247.951	-4391.38
43242_3242	43242	3242	-2181.01	317.6	1.618	22.718	247.951	4400.185
43242_3243	43242	3243	2181.013	-290.098	-1.618	-22.718	-260.372	-2068.14
43243_3243	43243	3243	-2178.12	228.362	-37.549	0.953	260.372	2066.377
43243_3244	43243	3244	2178.119	-194.249	37.549	-0.953	97.104	-54.702
43244_3244	43244	3244	-2178.2	194.249	-32.784	1.073	-97.104	54.7
43244_3245	43244	3245	2178.196	-158.048	32.784	-1.073	428.321	1724.915
43245_3245	43245	3245	-2179.09	110.53	-12.459	6.612	-428.321	-1724.17
43245_3246	43245	3246	2179.093	-74.897	12.459	-6.612	552.226	2646.172
43246_3246	43246	3246	-2179.13	74.897	-3.687	-4.04	-552.226	-2646.18
43246_3247	43246	3247	2179.125	-40.222	3.687	4.04	587.905	3203.17
43247_3247	43247	3247	-2179.14	-10.05	0.425	6.74	-587.905	-3202.31
43247_3248	43247	3248	2179.139	42.968	-0.425	-6.74	584.004	2958.777
43248_3248	43248	3248	-2179.13	-42.968	7.764	-3.225	-584.004	-2958.78
43248_3249	43248	3249	2179.125	80.352	-7.764	3.225	503.005	2315.475
43249_3249	43249	3249	-2177.65	-122.599	-18.437	1.597	-503.005	-2314.97
43249_3250	43249	3250	2177.648	159.236	18.437	-1.597	691.517	874.15
43250_3250	43250	3250	-2177.69	-159.236	-12.068	-0.959	-691.517	-874.151
43250_3251	43250	3251	2177.693	192.933	12.068	0.959	805.01	-781.763
43251_3251	43251	3251	-2181.14	-234.266	78.461	-7.988	-805.01	781.355
43251_3252	43251	3252	2181.144	264.375	-78.461	7.988	145.727	-2876.31
43252_3252	43252	3252	-2180.87	-264.375	85.741	1.613	-145.727	2876.316
43252_3253	43252	3253	2180.87	294.564	-85.741	-1.613	-576.664	-5230.92
43253_3253	43253	3253	-2180.76	-294.564	88.504	8.242	576.664	5229.777
43253_3254	43253	3254	2180.76	322.413	-88.504	-8.242	-1254.87	-7593.71
43254_3254	43254	3254	-2176.39	-355.028	-34.001	-125.204	1254.869	7588.746
43254_3255	43254	3255	2176.39	366.893	34.001	125.204	-1143.87	-8767.19
43255_3255	43255	3255	116.392	508.421	-51.712	3.437	821.944	22907.99
43255_3256	43255	3256	-110.849	-466.813	51.712	-3.437	-289.778	-17892
43256_3256	43256	3256	92.922	470.687	-51.863	49.054	283.998	17892.04
43256_3257	43256	3257	-89.872	-438.622	51.863	-49.054	141.212	-14165.1
43257_3257	43257	3257	76.617	400.839	3.987	-22.115	-134.4	14161.83
43257_3258	43257	3258	-73.779	-363.149	-3.987	22.115	94.855	-10384.3
43258_3258	43258	3258	66.459	364.553	3.888	2.011	-96.664	10384.33
43258_3259	43258	3259	-64.68	-332.403	-3.888	-2.011	63.093	-7380.46
43259_3259	43259	3259	59.995	333.282	3.745	30.091	-64.28	7380.694
43259_3260	43259	3260	-59.582	-323.24	-3.745	-30.091	52.426	-6342.98
43260_3260	43260	3260	51.813	263.845	7.24	-11.313	-51.076	6288.852
43260_3261	43260	3261	-51.071	-239.382	-7.24	11.313	-3.189	-4402.37
43261_3261	43261	3261	46.45	240.425	7.148	-2.162	3.104	4402.385
43261_3262	43261	3262	-46.08	-210.077	-7.148	2.162	-69.917	-2296.87
43262_3262	43262	3262	43.346	210.727	7	5.416	69.916	2281.749
43262_3263	43262	3263	-43.346	-186.245	-7	-5.416	-123.535	-761.429
43263_3263	43263	3263	43.489	128.772	-5.344	0.501	123.535	761.388
43263_3264	43263	3264	-43.489	-92.761	5.344	-0.501	-63.326	486.552
43264_3264	43264	3264	43.475	92.761	-5.455	-0.742	63.326	-486.552
43264_3265	43264	3265	-43.475	-55.098	5.455	0.742	0.955	1357.697
43265_3265	43265	3265	43.434	5.557	-1.132	1.37	-0.955	-1357.63
43265_3266	43265	3266	-43.434	31.578	1.132	-1.37	14.112	1206.475
43266_3266	43266	3266	43.429	-31.578	-1.297	-3.193	-14.112	-1206.47

43266_3267	43266	3267	-43.429	68.119	1.297	3.193	28.936	636.588
43267_3267	43267	3267	43.426	-117.608	-0.275	-4.065	-28.936	-636.59
43267_3268	43267	3268	-43.426	154.713	0.275	4.065	32.133	-944.049
43268_3268	43268	3268	43.425	-154.713	-0.397	-1.422	-32.133	944.056
43268_3269	43268	3269	-43.425	191.283	0.397	1.422	36.675	-2923.4
43269_3269	43269	3269	43.372	-244.33	-5.951	-15.645	-36.675	2923.647
43269_3270	43269	3270	-43.372	283.34	5.951	15.645	109.299	-6143.7
43270_3270	43270	3270	43.349	-283.34	-6.116	7.8	-109.299	6143.717
43270_3271	43270	3271	-43.349	321.984	6.116	-7.8	183.242	-9802.93
43271_3271	43271	3271	43.508	-377.858	14.778	-43.667	-183.242	9803.611
43271_3272	43271	3272	-43.508	400.012	-14.778	43.667	80.813	-12499.3
43272_3272	43272	3272	48.269	-399.357	14.677	-15.217	-80.957	12517.51
43272_3273	43272	3273	-48.666	431.826	-14.677	15.217	-57.604	-16440.9
43273_3273	43273	3273	56.733	-430.677	14.541	34.428	58.539	16440.83
43273_3274	43273	3274	-57.627	459.186	-14.541	-34.428	-178.266	-20104.6
43274_3274	43274	3274	63.584	-514.092	-48.439	-51.257	175.827	20107.03
43274_3275	43274	3275	-63.928	522.204	48.439	51.257	-63.055	-21313.5
43275_3275	43275	3275	70.11	-521.386	-48.475	-37.13	63.171	21325.59
43275_3276	43275	3276	-71.967	555.483	48.475	37.13	357.114	-25994.5
43276_3276	43276	3276	82.075	-553.963	-48.597	43.624	-352.937	25994.59
43276_3277	43276	3277	-84.641	588.949	48.597	-43.624	776.376	-30975.2
43277_3277	43277	3277	101.433	-602.925	43.052	-79.506	-788.515	31020.33
43277_3278	43277	3278	-105.533	646.459	-43.052	79.506	338.256	-37552
43278_3278	43278	3278	127.525	-642.484	42.959	11.679	-330.421	37552.14
43278_3279	43278	3279	-132.877	684.208	-42.959	-11.679	-84.778	-43961.4
43279_3279	43279	3279	-3281.52	504.02	22.016	155.849	414.06	16072.55
43279_3280	43279	3280	3281.515	-488.104	-22.016	-155.849	-504.87	-14026.4
43280_3280	43280	3280	-3282.21	373.502	-72.413	-34.294	504.87	14027.78
43280_3281	43280	3281	3282.207	-349.295	72.413	34.294	-50.59	-11760.6
43281_3281	43281	3281	-3282.42	349.295	-61.92	-3.138	50.59	12059.33
43281_3282	43281	3282	3282.422	-314.383	61.92	3.138	547.155	-8855.92
43282_3282	43282	3282	-3282.59	314.383	-52.19	23.111	-547.155	8855.892
43282_3283	43282	3283	3282.591	-284.15	52.19	-23.111	983.455	-6354.09
43283_3283	43283	3283	-3282.21	254.938	14.097	-5.877	-983.455	6326.48
43283_3284	43283	3284	3282.207	-216.577	-14.097	5.877	809.177	-3411.78
43284_3284	43284	3284	-3282.13	216.577	26.729	7.254	-809.177	3411.779
43284_3285	43284	3285	3282.128	-179.576	-26.729	-7.254	490.447	-1049.8
43285_3285	43285	3285	-3282.29	82.569	6.008	0.328	-490.447	1049.862
43285_3286	43285	3286	3282.292	-45.832	-6.008	-0.328	419.313	-289.756
43286_3286	43286	3286	-3282.24	45.832	20.079	1.57	-419.313	289.752
43286_3287	43286	3287	3282.236	-13.517	-20.079	-1.57	210.194	19.302
43287_3287	43287	3287	-3282.12	-32.149	25.627	-0.218	-210.194	-19.406
43287_3288	43287	3288	3282.119	67.196	-25.627	0.218	-79.268	-541.645
43288_3288	43288	3288	-3282.01	-67.196	36.771	1.621	79.268	541.642
43288_3289	43288	3289	3282.013	101.128	-36.771	-1.621	-481.391	-1462.02
43289_3289	43289	3289	-3282.57	-187.491	-12.077	-7.121	481.391	1462.174
43289_3290	43289	3290	3282.566	213.445	12.077	7.121	-380.373	-3138.98
43290_3290	43290	3290	-3282.58	-213.445	-4.926	-0.283	380.373	3138.986
43290_3291	43290	3291	3282.584	237.828	4.926	0.283	-341.664	-4912.13
43291_3291	43291	3291	-3282.59	-237.828	1.635	9.822	341.664	4616.885
43291_3292	43291	3292	3282.587	264.193	-1.635	-9.822	-354.553	-6595.33
43292_3292	43292	3292	-3282.88	-328.434	-11.706	-43.661	354.553	6596.269
43292_3293	43292	3293	3282.875	336.831	11.706	43.661	-325.167	-7431.28
43293_3293	43293	3293	125.484	919.386	-13.056	-47.844	57.063	31313.52
43293_3294	43293	3294	-121.542	-887.119	13.056	47.844	53.609	-23654.4

43294_3294	43294	3294	89.706	890.893	-13.108	50.232	-63.802	23654.34
43294_3295	43294	3295	-86.6	-854.815	13.108	-50.232	192.479	-15084.7
43295_3295	43295	3295	59.478	779.592	7.2	-19.094	-186.573	15085.73
43295_3296	43295	3296	-57.17	-740.731	-7.2	19.094	108.121	-6802.11
43296_3296	43296	3296	39.213	741.89	7.148	10.433	-109.62	6802.108
43296_3297	43296	3297	-38.195	-712.951	-7.148	-10.433	50.463	-782.171
43297_3297	43297	3297	25.65	713.507	7.111	13.432	-50.343	781.718
43297_3298	43297	3298	-25.418	-700.32	-7.111	-13.432	19.641	2270.512
43298_3298	43298	3298	15.354	615.855	1.337	16.823	-19.424	-2279.99
43298_3299	43298	3299	-15.257	-590.857	-1.337	-16.823	8.412	7249.188
43299_3299	43299	3299	12.923	590.914	1.309	1.195	-8.355	-7249.21
43299_3300	43299	3300	-12.923	-568.313	-1.309	-1.195	-1.402	11568.26
43300_3300	43300	3300	12.926	568.313	1.284	-20.768	1.402	-11567.5
43300_3301	43300	3301	-12.926	-543.542	-1.284	20.768	-10.526	15518.24
43301_3301	43301	3301	12.914	464.011	-0.289	44.15	10.526	-15518.9
43301_3302	43301	3302	-12.914	-421.899	0.289	-44.15	-7.031	20870.66
43302_3302	43302	3302	12.913	421.899	-0.338	-35.359	7.031	-20870.7
43302_3303	43302	3303	-12.913	-379.393	0.338	35.359	-2.904	25756.52
43303_3303	43303	3303	12.931	299.568	2.165	46.949	2.904	-25757.6
43303_3304	43303	3304	-12.931	-254.841	-2.165	-46.949	-30.681	29314.65
43304_3304	43304	3304	12.937	254.841	2.126	-41.685	30.681	-29314.7
43304_3305	43304	3305	-12.937	-214.953	-2.126	41.685	-55.006	32002.81
43305_3305	43305	3305	12.932	140.782	0.158	62.081	55.006	-32004.1
43305_3306	43305	3306	-12.932	-94.656	-0.158	-62.081	-57.097	33561.88
43306_3306	43306	3306	12.933	94.656	0.11	-62.466	57.097	-33561.9
43306_3307	43306	3307	-12.933	-56.166	-0.11	62.466	-58.312	34394.64
43307_3307	43307	3307	12.944	-14.765	1.643	59.719	58.312	-34396.2
43307_3308	43307	3308	-12.944	58.572	-1.643	-59.719	-78.958	33935.3
43308_3308	43308	3308	12.95	-58.572	1.599	-54.031	78.958	-33935.3
43308_3309	43308	3309	-12.95	99.361	-1.599	54.031	-97.674	33011.21
43309_3309	43309	3309	12.94	-171.834	-0.389	50.272	97.674	-33012.2
43309_3310	43309	3310	-12.94	213.198	0.389	-50.272	-93.053	30727.55
43310_3310	43310	3310	12.939	-213.198	-0.427	-39.712	93.053	-30727.6
43310_3311	43310	3311	-12.939	256.465	0.427	39.712	-87.748	27812.53
43311_3311	43311	3311	12.975	-318.88	5.858	39.532	87.748	-27813.5
43311_3312	43311	3312	-12.975	361.084	-5.858	-39.532	-158.683	23696.91
43312_3312	43312	3312	12.994	-361.084	5.818	-34.874	158.683	-23696.9
43312_3313	43312	3313	-12.994	403.467	-5.818	34.874	-229.424	19048.54
43313_3313	43313	3313	12.913	-500.708	-6.538	26.431	229.424	-19049.3
43313_3314	43313	3314	-12.913	545.013	6.538	-26.431	-146.324	12403.08
43314_3314	43314	3314	12.889	-545.013	-6.586	-19.883	146.324	-12403.1
43314_3315	43314	3315	-12.889	589.11	6.586	19.883	-63.004	5228.87
43315_3315	43315	3315	13.031	-630.255	-7.699	-8.277	63.004	-5229.72
43315_3316	43315	3316	-13.031	658.778	7.699	8.277	0	-44.515
44000_4000	44000	4000	-0.318	14.32	-2.456	2.83	0	-0.403
44000_4001	44000	4001	0.318	8.01	2.456	-2.83	33.931	43.994
44001_4001	44001	4001	-0.319	-8.01	-2.456	2.811	-33.931	-43.995
44001_4002	44001	4002	0.319	24.406	2.456	-2.811	58.844	-120.432
44002_4002	44002	4002	-0.28	21.925	3.346	2.062	-58.844	120.38
44002_4003	44002	4003	0.28	-2.283	-3.346	-2.062	18.176	26.722
44003_4003	44003	4003	-0.277	2.283	3.347	2.04	-18.176	-26.724
44003_4004	44003	4004	0.277	17.356	-3.347	-2.04	-22.491	-64.859
44004_4004	44004	4004	-0.296	19.862	-0.361	1.771	22.491	64.679
44004_4005	44004	4005	0.296	-0.217	0.361	-1.771	-18.101	57.355
44005_4005	44005	4005	-0.296	0.217	-0.361	1.771	18.101	-57.355

44005_4006	44005	4006	0.296	19.428	0.361	-1.771	-13.71	-59.407
44006_4006	44006	4006	-0.292	19.918	0.076	0.901	13.71	59.329
44006_4007	44006	4007	0.292	-0.289	-0.076	-0.901	-14.631	63.385
44007_4007	44007	4007	-0.292	0.289	0.076	0.842	14.631	-63.386
44007_4008	44007	4008	0.292	19.354	-0.076	-0.842	-15.556	-52.473
44008_4008	44008	4008	-0.291	19.513	0.089	-0.039	15.556	52.516
44008_4009	44008	4009	0.291	0.136	-0.089	0.039	-16.643	65.277
44009_4009	44009	4009	-0.291	-0.136	0.089	-0.033	16.643	-65.277
44009_4010	44009	4010	0.291	19.769	-0.089	0.033	-17.729	-55.631
44010_4010	44010	4010	-0.294	19.203	-0.098	-0.804	17.729	55.848
44010_4011	44010	4011	0.294	0.446	0.098	0.804	-16.538	58.177
44011_4011	44011	4011	-0.294	-0.446	-0.098	-0.799	16.538	-58.177
44011_4012	44011	4012	0.294	20.079	0.098	0.799	-15.348	-66.495
44012_4012	44012	4012	-0.293	18.892	0.04	-1.466	15.348	66.51
44012_4013	44012	4013	0.293	0.76	-0.04	1.466	-15.837	43.726
44013_4013	44013	4013	-0.293	-0.76	0.04	-1.426	15.837	-43.727
44013_4014	44013	4014	0.293	20.398	-0.04	1.426	-16.322	-84.822
44014_4014	44014	4014	-0.299	18.028	-0.876	-1.733	16.322	84.766
44014_4015	44014	4015	0.299	8.313	0.876	1.733	-2.04	-5.593
44015_4015	44015	4015	-0.299	-8.313	-0.876	-1.736	2.04	5.595
44015_4016	44015	4016	0.299	21.654	0.876	1.736	5.193	-129.283
44016_4016	44016	4016	-0.308	19.567	-0.182	-1.209	-5.193	129.607
44016_4017	44016	4017	0.308	-0.85	0.182	1.209	7.329	-9.646
44017_4017	44017	4017	-0.308	0.85	-0.182	-1.213	-7.329	9.646
44017_4018	44017	4018	0.308	20.257	0.182	1.213	9.738	-138.226
44018_4018	44018	4018	-0.312	19.705	1.924	-0.831	-9.738	138.186
44018_4019	44018	4019	0.312	0.2	-1.924	0.831	-14.309	-16.315
44019_4019	44019	4019	-0.31	-0.2	1.925	-0.818	14.309	16.315
44019_4020	44019	4020	0.31	20.103	-1.925	0.818	-38.356	-143.165
44020_4020	44020	4020	-0.382	20.841	-1.983	-0.722	38.356	143.16
44020_4021	44020	4021	0.382	-5.704	1.983	0.722	-19.51	-17.035
44021_4021	44021	4021	-0.381	5.704	-1.983	-0.735	19.51	17.034
44021_4022	44021	4022	0.381	6.646	1.983	0.735	-4.132	-20.685
44022_4022	44022	4022	-0.383	-6.646	-1.983	-0.712	4.132	20.686
44022_4023	44022	4023	0.383	18.979	1.983	0.712	11.222	-119.886
44023_4023	44023	4023	-0.381	19.463	-0.132	-0.424	-11.222	119.972
44023_4024	44023	4024	0.381	-6.713	0.132	0.424	12.278	-15.21
44024_4024	44024	4024	-0.381	6.713	-0.132	-0.424	-12.278	15.21
44024_4025	44024	4025	0.381	6.036	0.132	0.424	13.335	-12.499
44025_4025	44025	4025	-0.381	-6.036	-0.132	-0.425	-13.335	12.499
44025_4026	44025	4026	0.381	18.77	0.132	0.425	14.39	-111.652
44026_4026	44026	4026	-0.381	18.952	-0.02	-0.245	-14.39	111.657
44026_4027	44026	4027	0.381	-9.395	0.02	0.245	14.51	-26.616
44027_4027	44027	4027	-0.381	9.395	-0.02	-0.245	-14.51	26.616
44027_4028	44027	4028	0.381	0.163	0.02	0.245	14.629	1.079
44028_4028	44028	4028	-0.381	-0.163	-0.02	-0.244	-14.629	-1.08
44028_4029	44028	4029	0.381	9.722	0.02	0.244	14.752	-28.579
44029_4029	44029	4029	-0.381	-9.722	-0.02	-0.196	-14.752	28.579
44029_4030	44029	4030	0.381	19.279	0.02	0.196	14.871	-115.583
44030_4030	44030	4030	-0.382	18.314	0.007	-0.094	-14.871	115.534
44030_4031	44030	4031	0.382	-5.571	-0.007	0.094	14.817	-19.994
44031_4031	44031	4031	-0.382	5.571	0.007	-0.094	-14.817	19.994
44031_4032	44031	4032	0.382	7.172	-0.007	0.094	14.764	-26.401
44032_4032	44032	4032	-0.382	-7.172	0.007	-0.094	-14.764	26.401
44032_4033	44032	4033	0.382	19.915	-0.007	0.094	14.71	-134.753

44033_4033	44033	4033	-0.367	18.946	1.123	0.051	-14.71	134.758
44033_4034	44033	4034	0.367	-6.609	-1.123	-0.051	6.009	-35.789
44034_4034	44034	4034	-0.367	6.609	1.123	0.055	-6.009	35.789
44034_4035	44034	4035	0.367	5.744	-1.123	-0.055	-2.704	-32.436
44035_4035	44035	4035	-0.367	-5.744	1.124	0.072	2.704	32.436
44035_4036	44035	4036	0.367	20.849	-1.124	-0.072	-13.359	-158.526
44036_4036	44036	4036	-0.425	20.698	-1.205	0.199	13.359	158.538
44036_4037	44036	4037	0.425	-0.761	1.205	-0.199	1.727	-24.242
44037_4037	44037	4037	-0.425	0.761	-1.205	0.196	-1.727	24.242
44037_4038	44037	4038	0.425	19.145	1.205	-0.196	16.79	-139.116
44038_4038	44038	4038	-0.405	14.673	0.109	0.608	-16.79	139.238
44038_4039	44038	4039	0.405	6.439	-0.109	-0.608	15.352	-84.671
44039_4039	44039	4039	-0.405	-6.439	0.109	0.846	-15.352	84.028
44039_4040	44039	4040	0.405	24.8	-0.109	-0.846	14.075	-267.526
44040_4040	44040	4040	-0.405	19.002	-0.05	0.876	-14.075	267.617
44040_4041	44040	4041	0.405	-6.103	0.05	-0.876	14.491	-164.02
44041_4041	44041	4041	-0.405	6.103	-0.051	0.798	-14.491	164.02
44041_4042	44041	4042	0.405	18.691	0.051	-0.798	15.293	-263.876
44042_4042	44042	4042	-0.398	20.84	0.713	0.879	-15.293	263.897
44042_4043	44042	4043	0.398	-2.174	-0.713	-0.879	6.775	-126.46
44043_4043	44043	4043	-0.398	2.174	0.713	0.87	-6.775	126.46
44043_4044	44043	4044	0.398	16.477	-0.713	-0.87	-1.735	-211.803
44044_4044	44044	4044	-0.404	19.843	0.041	0.622	1.735	211.909
44044_4045	44044	4045	0.404	-1.176	-0.041	-0.622	-2.23	-86.389
44045_4045	44045	4045	-0.404	1.176	0.041	0.622	2.23	86.389
44045_4046	44045	4046	0.404	17.49	-0.041	-0.622	-2.726	-183.813
44046_4046	44046	4046	-0.404	19.463	-0.034	0.198	2.726	183.821
44046_4047	44046	4047	0.404	-0.805	0.034	-0.198	-2.32	-62.834
44047_4047	44047	4047	-0.404	0.805	-0.034	0.198	2.32	62.834
44047_4048	44047	4048	0.404	17.854	0.034	-0.198	-1.914	-164.605
44048_4048	44048	4048	-0.406	19.016	-0.275	-0.178	1.914	164.711
44048_4049	44048	4049	0.406	-0.341	0.275	0.178	1.37	-49.067
44049_4049	44049	4049	-0.406	0.341	-0.275	-0.181	-1.37	49.067
44049_4050	44049	4050	0.406	18.317	0.275	0.181	4.651	-156.37
44050_4050	44050	4050	-0.405	18.311	-0.305	-0.409	-4.651	156.211
44050_4051	44050	4051	0.405	6.453	0.305	0.409	9.485	-62.264
44051_4051	44051	4051	-0.405	-6.453	-0.305	-0.372	-9.485	62.265
44051_4052	44051	4052	0.405	19.352	0.305	0.372	12.001	-168.756
44052_4052	44052	4052	-0.402	20.506	-0.528	-0.15	-12.001	168.841
44052_4053	44052	4053	0.402	-2.136	0.528	0.15	18.205	-35.779
44053_4053	44053	4053	-0.402	2.136	-0.528	-0.141	-18.205	35.787
44053_4054	44053	4054	0.402	17.93	0.528	0.141	25.196	-140.405
44054_4054	44054	4054	-0.409	18.536	1.019	0.089	-25.196	140.257
44054_4055	44054	4055	0.409	0.399	-1.019	-0.089	12.462	-26.891
44055_4055	44055	4055	-0.409	-0.399	1.019	0.089	-12.462	26.891
44055_4056	44055	4056	0.409	19.334	-1.019	-0.089	-0.273	-150.23
44056_4056	44056	4056	-0.388	19.872	-1.242	0.172	0.273	150.227
44056_4057	44056	4057	0.388	-5.492	1.242	-0.172	11.521	-29.829
44057_4057	44057	4057	-0.388	5.492	-1.242	0.158	-11.521	29.83
44057_4058	44057	4058	0.388	6.246	1.242	-0.158	21.149	-32.751
44058_4058	44058	4058	-0.388	-6.246	-1.242	0.158	-21.149	32.751
44058_4059	44058	4059	0.388	17.984	1.242	-0.158	30.778	-126.637
44059_4059	44059	4059	-0.38	18.963	1.049	0.287	-30.778	126.63
44059_4060	44059	4060	0.38	-6.836	-1.049	-0.287	22.376	-23.345
44060_4060	44060	4060	-0.381	6.836	1.049	0.256	-22.376	23.345

44060_4061	44060	4061	0.381	5.278	-1.049	-0.256	13.987	-17.117
44061_4061	44061	4061	-0.38	-5.278	1.049	0.277	-13.987	17.117
44061_4062	44061	4062	0.38	17.391	-1.049	-0.277	5.596	-107.757
44062_4062	44062	4062	-0.381	18.375	0.64	0.457	-5.596	107.801
44062_4063	44062	4063	0.381	-9.283	-0.64	-0.457	1.755	-24.788
44063_4063	44063	4063	-0.382	9.283	0.639	0.416	-1.755	24.789
44063_4064	44063	4064	0.382	-0.19	-0.639	-0.416	-2.083	3.648
44064_4064	44064	4064	-0.381	0.19	0.64	0.41	2.083	-3.649
44064_4065	44064	4065	0.381	8.887	-0.64	-0.41	-5.917	-22.409
44065_4065	44065	4065	-0.381	-8.887	0.64	0.413	5.917	22.409
44065_4066	44065	4066	0.381	17.979	-0.64	-0.413	-9.758	-103.041
44066_4066	44066	4066	-0.379	18.071	0.615	0.485	9.758	103.05
44066_4067	44066	4067	0.379	-5.946	-0.615	-0.485	-14.685	-6.924
44067_4067	44067	4067	-0.379	5.946	0.615	0.485	14.685	6.924
44067_4068	44067	4068	0.379	6.164	-0.615	-0.485	-19.606	-7.796
44068_4068	44068	4068	-0.378	-6.164	0.616	0.495	19.606	7.796
44068_4069	44068	4069	0.378	18.288	-0.616	-0.495	-24.536	-105.658
44069_4069	44069	4069	-0.374	17.729	0.992	0.628	24.536	105.591
44069_4070	44069	4070	0.374	-5.999	-0.992	-0.628	-32.218	-13.712
44070_4070	44070	4070	-0.374	5.999	0.992	0.63	32.218	13.712
44070_4071	44070	4071	0.374	5.746	-0.992	-0.63	-39.91	-12.73
44071_4071	44071	4071	-0.374	-5.746	0.992	0.626	39.91	12.731
44071_4072	44071	4072	0.374	20.132	-0.992	-0.626	-49.33	-135.621
44072_4072	44072	4072	-0.407	20.13	-1.582	0.707	49.33	135.625
44072_4073	44072	4073	0.407	-1.198	1.582	-0.707	-29.554	-2.329
44073_4073	44073	4073	-0.406	1.198	-1.583	0.705	29.554	2.33
44073_4074	44073	4074	0.406	17.734	1.583	-0.705	-9.773	-105.675
44074_4074	44074	4074	-0.376	15.227	0.144	0.976	9.773	105.73
44074_4075	44074	4075	0.376	4.842	-0.144	-0.976	-11.677	-36.93
44075_4075	44075	4075	-0.376	-4.842	0.143	1.278	11.677	36.958
44075_4076	44075	4076	0.376	22.247	-0.143	-1.278	-13.361	-196.092
44076_4076	44076	4076	-0.373	17.905	0.106	1.079	13.361	196.249
44076_4077	44076	4077	0.373	-5.682	-0.106	-1.079	-14.237	-98.946
44077_4077	44077	4077	-0.373	5.682	0.106	1.104	14.237	98.947
44077_4078	44077	4078	0.373	15.664	-0.106	-1.104	-15.766	-170.861
44078_4078	44078	4078	-0.371	17.824	0.195	0.917	15.766	170.764
44078_4079	44078	4079	0.371	-1.195	-0.195	-0.917	-17.957	-64.029
44079_4079	44079	4079	-0.371	1.195	0.195	0.917	17.957	64.029
44079_4080	44079	4080	0.371	15.434	-0.195	-0.917	-20.149	-143.942
44080_4080	44080	4080	-0.371	16.843	-0.079	0.566	20.149	143.774
44080_4081	44080	4081	0.371	-0.218	0.079	-0.566	-19.26	-48.043
44081_4081	44081	4081	-0.371	0.218	-0.079	0.566	19.26	48.043
44081_4082	44081	4082	0.371	16.407	0.079	-0.566	-18.371	-138.88
44082_4082	44082	4082	-0.372	18.155	-0.116	0.066	18.371	138.937
44082_4083	44082	4083	0.372	-0.285	0.116	-0.066	-16.968	-27.718
44083_4083	44083	4083	-0.372	0.285	-0.117	0.043	16.968	27.718
44083_4084	44083	4084	0.372	17.586	0.117	-0.043	-15.561	-132.068
44084_4084	44084	4084	-0.373	16.828	-0.246	-0.492	15.561	132.077
44084_4085	44084	4085	0.373	-0.207	0.246	0.492	-12.802	-36.512
44085_4085	44085	4085	-0.374	0.207	-0.246	-0.458	12.802	36.512
44085_4086	44085	4086	0.374	16.429	0.246	0.458	-10.045	-127.599
44086_4086	44086	4086	-0.374	16.33	-0.379	-0.862	10.045	127.468
44086_4087	44086	4087	0.374	0.292	0.379	0.862	-5.792	-37.497
44087_4087	44087	4087	-0.374	-0.292	-0.379	-0.829	5.792	37.498
44087_4088	44087	4088	0.374	16.913	0.379	0.829	-1.542	-134.014

44088_4088	44088	4088	-0.376	14.877	-0.189	-1.044	1.542	134.172
44088_4089	44088	4089	0.376	5.655	0.189	1.044	1.073	-70.266
44089_4089	44089	4089	-0.376	-5.655	-0.189	-1.101	-1.073	70.266
44089_4090	44089	4090	0.376	17.871	0.189	1.101	2.631	-167.262
44090_4090	44090	4090	-0.371	18.607	-0.659	-0.791	-2.631	167.438
44090_4091	44090	4091	0.371	-1.188	0.659	0.791	10.382	-51.066
44091_4091	44091	4091	-0.371	1.188	-0.659	-0.788	-10.382	51.082
44091_4092	44091	4092	0.371	18.146	0.659	0.788	19.118	-163.421
44092_4092	44092	4092	-0.381	18.173	1.032	-0.518	-19.118	163.273
44092_4093	44092	4093	0.381	0.062	-1.032	0.518	6.22	-50.113
44093_4093	44093	4093	-0.381	-0.062	1.032	-0.518	-6.22	50.113
44093_4094	44093	4094	0.381	18.298	-1.032	0.518	-6.679	-164.832
44094_4094	44094	4094	-0.445	19.069	-1.013	-0.384	6.679	164.846
44094_4095	44094	4095	0.445	-5.199	1.013	0.384	2.946	-49.513
44095_4095	44095	4095	-0.444	5.199	-1.013	-0.423	-2.946	49.515
44095_4096	44095	4096	0.444	6.116	1.013	0.423	10.801	-53.069
44096_4096	44096	4096	-0.446	-6.116	-1.012	-0.356	-10.801	53.069
44096_4097	44096	4097	0.446	17.416	1.012	0.356	18.64	-144.182
44097_4097	44097	4097	-0.443	18.076	0.312	-0.184	-18.64	144.186
44097_4098	44097	4098	0.443	-6.397	-0.312	0.184	16.145	-46.25
44098_4098	44098	4098	-0.443	6.397	0.312	-0.186	-16.145	46.25
44098_4099	44098	4099	0.443	5.267	-0.312	0.186	13.654	-41.732
44099_4099	44099	4099	-0.443	-5.267	0.312	-0.185	-13.654	41.732
44099_4100	44099	4100	0.443	16.946	-0.312	0.185	11.159	-130.619
44100_4100	44100	4100	-0.444	17.561	0.178	-0.087	-11.159	130.61
44100_4101	44100	4101	0.444	-8.801	-0.178	0.087	10.092	-51.488
44101_4101	44101	4101	-0.444	8.801	0.178	-0.001	-10.092	51.488
44101_4102	44101	4102	0.444	-0.042	-0.178	0.001	9.021	-24.947
44102_4102	44102	4102	-0.444	0.042	0.178	-0.003	-9.021	24.947
44102_4103	44102	4103	0.444	8.702	-0.178	0.003	7.951	-50.895
44103_4103	44103	4103	-0.444	-8.702	0.178	0	-7.951	50.895
44103_4104	44103	4104	0.444	17.461	-0.178	0	6.88	-129.417
44104_4104	44104	4104	-0.444	17.205	0.061	0.102	-6.88	129.42
44104_4105	44104	4105	0.444	-5.526	-0.061	-0.102	6.393	-38.457
44105_4105	44105	4105	-0.444	5.526	0.061	0.149	-6.393	38.457
44105_4106	44105	4106	0.444	6.139	-0.061	-0.149	5.902	-40.908
44106_4106	44106	4106	-0.444	-6.139	0.061	0.15	-5.902	40.908
44106_4107	44106	4107	0.444	17.818	-0.061	-0.15	5.411	-136.773
44107_4107	44107	4107	-0.442	17.211	1.099	0.299	-5.411	136.796
44107_4108	44107	4108	0.442	-5.897	-1.099	-0.299	-3.113	-47.213
44108_4108	44108	4108	-0.441	5.897	1.1	0.358	3.113	47.213
44108_4109	44108	4109	0.441	5.402	-1.1	-0.358	-11.63	-45.298
44109_4109	44109	4109	-0.442	-5.402	1.1	0.309	11.63	45.298
44109_4110	44109	4110	0.442	19.271	-1.1	-0.309	-22.08	-162.55
44110_4110	44110	4110	-0.456	19.063	-1.154	0.452	22.08	162.553
44110_4111	44110	4111	0.456	-0.817	1.154	-0.452	-7.657	-38.264
44111_4111	44111	4111	-0.457	0.817	-1.153	0.482	7.657	38.264
44111_4112	44111	4112	0.457	17.415	1.153	-0.482	6.751	-141.948
44112_4112	44112	4112	-0.448	14.254	-0.277	0.879	-6.751	141.974
44112_4113	44112	4113	0.448	5.087	0.277	-0.879	10.425	-81.222
44113_4113	44113	4113	-0.448	-5.087	-0.277	1.04	-10.425	81.11
44113_4114	44113	4114	0.448	22.199	0.277	-1.04	13.682	-241.461
44114_4114	44114	4114	-0.441	17.149	0.387	1.224	-13.682	241.326
44114_4115	44114	4115	0.441	-5.15	-0.387	-1.224	10.496	-149.437
44115_4115	44115	4115	-0.441	5.15	0.386	0.929	-10.496	149.439

44115_4116	44115	4116	0.441	15.776	-0.386	-0.929	4.952	-225.804
44116_4116	44116	4116	-0.441	18.221	0.466	1.121	-4.952	225.822
44116_4117	44116	4117	0.441	-1.882	-0.466	-1.121	-0.277	-113.022
44117_4117	44117	4117	-0.441	1.882	0.466	1.121	0.277	113.022
44117_4118	44117	4118	0.441	14.457	-0.466	-1.121	-5.507	-183.581
44118_4118	44118	4118	-0.441	17.086	0.094	0.91	5.507	183.748
44118_4119	44118	4119	0.441	-0.749	-0.094	-0.91	-6.566	-83.686
44119_4119	44119	4119	-0.441	0.749	0.094	0.836	6.566	83.687
44119_4120	44119	4120	0.441	15.604	-0.094	-0.836	-7.622	-167.109
44120_4120	44120	4120	-0.44	18.28	0.066	0.46	7.622	166.927
44120_4121	44120	4121	0.44	-0.734	-0.066	-0.46	-8.413	-52.351
44121_4121	44121	4121	-0.441	0.734	0.065	0.417	8.413	52.352
44121_4122	44121	4122	0.441	16.827	-0.065	-0.417	-9.2	-149.399
44122_4122	44122	4122	-0.441	16.923	-0.064	-0.085	9.2	149.398
44122_4123	44122	4123	0.441	-0.587	0.064	0.085	-8.484	-51.161
44123_4123	44123	4123	-0.44	0.587	-0.064	-0.13	8.484	51.161
44123_4124	44123	4124	0.44	15.765	0.064	0.13	-7.763	-136.391
44124_4124	44124	4124	-0.439	16.449	-0.135	-0.525	7.763	136.23
44124_4125	44124	4125	0.439	-0.112	0.135	0.525	-6.245	-43.315
44125_4125	44125	4125	-0.439	0.112	-0.135	-0.525	6.245	43.315
44125_4126	44125	4126	0.439	16.224	0.135	0.525	-4.727	-133.707
44126_4126	44126	4126	-0.438	14.639	-0.582	-0.739	4.727	133.579
44126_4127	44126	4127	0.438	5.366	0.582	0.739	3.276	-69.875
44127_4127	44127	4127	-0.437	-5.366	-0.583	-0.807	-3.276	69.875
44127_4128	44127	4128	0.437	17.378	0.583	0.807	8.084	-163.698
44128_4128	44128	4128	-0.448	18.454	0.598	-0.664	-8.084	163.562
44128_4129	44128	4129	0.448	-1.346	-0.598	0.664	1.062	-47.236
44129_4129	44129	4129	-0.447	1.346	0.598	-0.558	-1.062	47.265
44129_4130	44129	4130	0.447	17.952	-0.598	0.558	-6.864	-157.284
44130_4130	44130	4130	-0.453	17.647	-0.234	-0.192	6.864	157.127
44130_4131	44130	4131	0.453	0.559	0.234	0.192	-3.94	-50.329
44131_4131	44131	4131	-0.453	-0.559	-0.234	-0.152	3.94	50.329
44131_4132	44131	4132	0.453	18.751	0.234	0.152	-1.023	-170.919
44132_4132	44132	4132	-1.261	18.987	0.019	-0.288	1.023	164.449
44132_4133	44132	4133	1.261	-5.151	-0.019	0.288	-1.204	-49.793
44133_4133	44133	4133	-1.261	5.151	0.02	-0.259	1.204	49.794
44133_4134	44133	4134	1.261	6.137	-0.02	0.259	-1.357	-53.615
44134_4134	44134	4134	-1.261	-6.137	0.02	-0.259	1.357	53.615
44134_4135	44134	4135	1.261	17.439	-0.02	0.259	-1.511	-145.091
44135_4135	44135	4135	-1.223	18.223	-0.545	0.06	1.511	145.281
44135_4136	44135	4136	1.223	-6.57	0.545	-0.06	2.853	-46.097
44136_4136	44136	4136	-1.223	6.57	-0.545	0.06	-2.853	46.097
44136_4137	44136	4137	1.223	5.082	0.545	-0.06	7.217	-40.144
44137_4137	44137	4137	-1.223	-5.082	-0.545	0.06	-7.217	40.144
44137_4138	44137	4138	1.223	16.735	0.545	-0.06	11.581	-127.423
44138_4138	44138	4138	-1.236	17.472	0.354	-0.007	-11.581	127.333
44138_4139	44138	4139	1.236	-8.732	-0.354	0.007	9.46	-48.714
44139_4139	44139	4139	-1.236	8.732	0.354	-0.007	-9.46	48.714
44139_4140	44139	4140	1.236	0.007	-0.354	0.007	7.339	-22.537
44140_4140	44140	4140	-1.236	-0.007	0.354	-0.007	-7.339	22.537
44140_4141	44140	4141	1.236	8.747	-0.354	0.007	5.217	-48.802
44141_4141	44141	4141	-1.236	-8.747	0.354	-0.007	-5.217	48.802
44141_4142	44141	4142	1.236	17.487	-0.354	0.007	3.096	-127.51
44142_4142	44142	4142	-1.23	17.056	0.039	0.083	-3.096	127.427
44142_4143	44142	4143	1.23	-5.403	-0.039	-0.083	2.783	-37.581

44143_4143	44143	4143	-1.23	5.403	0.039	0.083	-2.783	37.581
44143_4144	44143	4144	1.23	6.25	-0.039	-0.083	2.47	-40.966
44144_4144	44144	4144	-1.23	-6.25	0.041	0.134	-2.47	40.966
44144_4145	44144	4145	1.23	17.902	-0.041	-0.134	2.145	-137.58
44145_4145	44145	4145	-1.248	17.052	1.013	0.185	-2.145	137.472
44145_4146	44145	4146	1.248	-5.778	-1.013	-0.185	-5.7	-49.11
44146_4146	44146	4146	-1.247	5.778	1.015	0.249	5.7	49.11
44146_4147	44146	4147	1.247	5.511	-1.015	-0.249	-13.568	-48.073
44147_4147	44147	4147	-1.248	-5.511	1.014	0.206	13.568	48.071
44147_4148	44147	4148	1.248	19.348	-1.014	-0.206	-23.203	-166.161
44148_4148	44148	4148	-1.231	19.329	-1.394	0.323	23.203	166.262
44148_4149	44148	4149	1.231	-1.122	1.394	-0.323	-5.774	-38.434
44149_4149	44149	4149	-1.231	1.122	-1.394	0.323	5.774	38.434
44149_4150	44149	4150	1.231	17.086	1.394	-0.323	11.654	-138.22
44150_4150	44150	4150	-1.252	13.795	0.325	0.678	-11.654	138.222
44150_4151	44150	4151	1.252	5.505	-0.325	-0.678	7.345	-83.295
44151_4151	44151	4151	-1.253	-5.505	0.324	0.684	-7.345	83.202
44151_4152	44151	4152	1.253	23.357	-0.324	-0.684	3.535	-252.779
44152_4152	44152	4152	-1.252	17.152	0.275	0.883	-3.535	252.78
44152_4153	44152	4153	1.252	-4.618	-0.275	-0.883	1.269	-162.974
44153_4153	44153	4153	-1.252	4.618	0.274	0.801	-1.269	162.972
44153_4154	44153	4154	1.252	16.258	-0.274	-0.801	-2.497	-242.949
44154_4154	44154	4154	-1.251	18.742	0.157	0.627	2.497	242.946
44154_4155	44154	4155	1.251	-2.03	-0.157	-0.627	-4.228	-128.69
44155_4155	44155	4155	-1.25	2.03	0.158	0.744	4.228	128.69
44155_4156	44155	4156	1.25	14.682	-0.158	-0.744	-5.971	-198.286
44156_4156	44156	4156	-1.251	16.541	0.173	0.265	5.971	198.284
44156_4157	44156	4157	1.251	-1.332	-0.173	-0.265	-7.7	-108.822
44157_4157	44157	4157	-1.251	1.332	0.174	0.374	7.7	108.822
44157_4158	44157	4158	1.251	13.876	-0.174	-0.374	-9.443	-171.609
44158_4158	44158	4158	-1.247	15.313	0.013	-0.185	9.443	171.462
44158_4159	44158	4159	1.247	-0.105	-0.013	0.185	-9.572	-94.286
44159_4159	44159	4159	-1.247	0.105	0.014	-0.091	9.572	94.286
44159_4160	44159	4160	1.247	15.103	-0.014	0.091	-9.715	-169.357
44160_4160	44160	4160	-1.242	16.723	-0.373	-0.533	9.715	169.353
44160_4161	44160	4161	1.242	-0.011	0.373	0.533	-5.606	-77.309
44161_4161	44161	4161	-1.242	0.011	-0.373	-0.534	5.606	77.309
44161_4162	44161	4162	1.242	16.687	0.373	0.534	-1.502	-168.952
44162_4162	44162	4162	-1.242	15.567	-0.463	-0.734	1.502	169.065
44162_4163	44162	4163	1.242	5.324	0.463	0.734	4.869	-98.64
44163_4163	44163	4163	-1.241	-5.324	-0.465	-0.875	-4.869	98.637
44163_4164	44163	4164	1.241	17.858	0.465	0.875	8.706	-194.273
44164_4164	44164	4164	-1.242	19.445	-0.418	-0.49	-8.706	194.169
44164_4165	44164	4165	1.242	-1.593	0.418	0.49	13.613	-70.563
44165_4165	44165	4165	-1.241	1.593	-0.419	-0.546	-13.613	70.605
44165_4166	44165	4166	1.241	19.059	0.419	0.546	19.156	-186.241
44166_4166	44166	4166	-1.259	19.22	1.85	-0.172	-19.156	186.379
44166_4167	44166	4167	1.259	0.278	-1.85	0.172	-3.966	-67.978
44167_4167	44167	4167	-1.259	-0.278	1.85	-0.172	3.966	67.978
44167_4168	44167	4168	1.259	19.775	-1.85	0.172	-27.087	-193.321
44168_4168	44168	4168	-1.197	20.378	-1.455	-0.172	27.087	193.503
44168_4169	44168	4169	1.197	-5.56	1.455	0.172	-13.266	-70.289
44169_4169	44169	4169	-1.198	5.56	-1.454	-0.112	13.266	70.288
44169_4170	44169	4170	1.198	6.529	1.454	0.112	-1.998	-74.045
44170_4170	44170	4170	-1.198	-6.529	-1.454	-0.112	1.998	74.045

44170_4171	44170	4171	1.198	18.617	1.454	0.112	9.27	-171.495
44171_4171	44171	4171	-1.218	19.58	0.115	-0.032	-9.27	171.497
44171_4172	44171	4172	1.218	-7.101	-0.115	0.032	8.348	-64.763
44172_4172	44172	4172	-1.218	7.101	0.115	-0.032	-8.348	64.763
44172_4173	44172	4173	1.218	5.377	-0.115	0.032	7.426	-57.867
44173_4173	44173	4173	-1.218	-5.377	0.115	-0.032	-7.426	57.867
44173_4174	44173	4174	1.218	17.856	-0.115	0.032	6.505	-150.808
44174_4174	44174	4174	-1.218	18.837	0.178	0.032	-6.505	150.726
44174_4175	44174	4175	1.218	-9.478	-0.178	-0.032	5.438	-65.775
44175_4175	44175	4175	-1.218	9.478	0.178	0.032	-5.438	65.775
44175_4176	44175	4176	1.218	-0.119	-0.178	-0.032	4.372	-36.983
44176_4176	44176	4176	-1.218	0.119	0.178	0.032	-4.372	36.983
44176_4177	44176	4177	1.218	9.24	-0.178	-0.032	3.306	-64.349
44177_4177	44177	4177	-1.218	-9.24	0.178	0.032	-3.306	64.349
44177_4178	44177	4178	1.218	18.599	-0.178	-0.032	2.24	-147.873
44178_4178	44178	4178	-1.215	18.33	0.024	0.084	-2.24	147.791
44178_4179	44178	4179	1.215	-5.867	-0.024	-0.084	2.044	-51.116
44179_4179	44179	4179	-1.215	5.867	0.024	0.084	-2.044	51.116
44179_4180	44179	4180	1.215	6.612	-0.024	-0.084	1.849	-54.094
44180_4180	44180	4180	-1.215	-6.612	0.026	0.152	-1.849	54.094
44180_4181	44180	4181	1.215	19.09	-0.026	-0.152	1.641	-156.908
44181_4181	44181	4181	-1.227	18.289	1.784	0.139	-1.641	157.041
44181_4182	44181	4182	1.227	-6.201	-1.784	-0.139	-12.188	-62.133
44182_4182	44182	4182	-1.224	6.201	1.786	0.219	12.188	62.133
44182_4183	44182	4183	1.224	5.888	-1.786	-0.219	-26.029	-60.92
44183_4183	44183	4183	-1.226	-5.888	1.785	0.163	26.029	60.919
44183_4184	44183	4184	1.226	20.706	-1.785	-0.163	-42.987	-187.251
44184_4184	44184	4184	-1.175	20.599	-2.178	0.194	42.987	187.251
44184_4185	44184	4185	1.175	-1.101	2.178	-0.194	-15.755	-51.615
44185_4185	44185	4185	-1.175	1.101	-2.178	0.194	15.755	51.615
44185_4186	44185	4186	1.175	18.397	2.178	-0.194	11.476	-159.722
44186_4186	44186	4186	-1.206	15.748	0.294	0.516	-11.476	159.724
44186_4187	44186	4187	1.206	4.919	-0.294	-0.516	7.58	-87.978
44187_4187	44187	4187	-1.207	-4.919	0.293	0.433	-7.58	87.672
44187_4188	44187	4188	1.207	24.037	-0.293	-0.433	4.136	-257.804
44188_4188	44188	4188	-1.206	19.273	0.275	0.52	-4.136	257.804
44188_4189	44188	4189	1.206	-5.85	-0.275	-0.52	1.87	-154.163
44189_4189	44189	4189	-1.206	5.85	0.274	0.447	-1.87	154.17
44189_4190	44189	4190	1.206	16.505	-0.274	-0.447	-1.896	-227.378
44190_4190	44190	4190	-1.194	19.478	-0.718	0.306	1.896	227.375
44190_4191	44190	4191	1.194	-1.581	0.718	-0.306	6.007	-111.541
44191_4191	44191	4191	-1.194	1.581	-0.717	0.408	-6.007	111.54
44191_4192	44191	4192	1.194	16.316	0.717	-0.408	13.897	-192.591
44192_4192	44192	4192	-1.213	17.485	0.8	-0.273	-13.897	192.586
44192_4193	44192	4193	1.213	-1.134	-0.8	0.273	5.854	-99.015
44193_4193	44193	4193	-1.213	1.134	0.8	-0.273	-5.854	99.015
44193_4194	44193	4194	1.213	15.218	-0.8	0.273	-2.19	-169.794
44194_4194	44194	4194	-1.204	16.199	0.455	-0.711	2.19	169.64
44194_4195	44194	4195	1.204	0.136	-0.455	0.711	-6.757	-88.997
44195_4195	44195	4195	-1.204	-0.136	0.454	-0.798	6.757	88.996
44195_4196	44195	4196	1.204	16.488	-0.454	0.798	-11.317	-172.538
44196_4196	44196	4196	-1.164	17.756	-1.534	-0.915	11.317	172.691
44196_4197	44196	4197	1.164	0.141	1.534	0.915	5.558	-75.805
44197_4197	44197	4197	-1.163	-0.141	-1.535	-0.984	-5.558	75.804
44197_4198	44197	4198	1.163	18.039	1.535	0.984	22.444	-175.802

44198_4198	44198	4198	-1.187	16.507	-0.331	-1.149	-22.444	175.799
44198_4199	44198	4199	1.187	5.864	0.331	1.149	27.002	-102.619
44199_4199	44199	4199	-1.187	-5.864	-0.331	-1.098	-27.002	102.617
44199_4200	44199	4200	1.187	19.287	0.331	1.098	29.732	-206.375
44200_4200	44200	4200	-1.184	20.98	-0.643	-0.428	-29.732	206.247
44200_4201	44200	4201	1.184	-1.879	0.643	0.428	37.283	-72.051
44201_4201	44201	4201	-1.184	1.879	-0.642	-0.377	-37.283	72.059
44201_4202	44201	4202	1.184	20.522	0.642	0.377	45.794	-195.576
44202_4202	44202	4202	-1.221	20.745	1.264	0.035	-45.794	195.586
44202_4203	44202	4203	1.221	0.388	-1.264	-0.035	29.993	-68.342
44203_4203	44203	4203	-1.221	-0.388	1.264	0.035	-29.993	68.342
44203_4204	44203	4204	1.221	21.521	-1.264	-0.035	14.193	-205.283
44204_4204	44204	4204	-1.175	22.019	-1.085	0.321	-14.193	205.289
44204_4205	44204	4205	1.175	-5.958	1.085	-0.321	24.502	-72.389
44205_4205	44205	4205	-1.176	5.958	-1.084	0.385	-24.502	72.385
44205_4206	44205	4206	1.176	7.145	1.084	-0.385	32.904	-76.985
44206_4206	44206	4206	-1.174	-7.145	-1.086	0.285	-32.904	76.985
44206_4207	44206	4207	1.174	20.247	1.086	-0.285	41.319	-183.138
44207_4207	44207	4207	-1.207	21.011	0.576	0.654	-41.319	183.139
44207_4208	44207	4208	1.207	-7.486	-0.576	-0.654	36.709	-69.145
44208_4208	44208	4208	-1.208	7.486	0.575	0.568	-36.709	69.146
44208_4209	44208	4209	1.208	6.039	-0.575	-0.568	32.11	-63.36
44209_4209	44209	4209	-1.208	-6.039	0.575	0.568	-32.11	63.36
44209_4210	44209	4210	1.208	19.564	-0.575	-0.568	27.512	-165.784
44210_4210	44210	4210	-1.218	20.372	0.796	0.82	-27.512	165.667
44210_4211	44210	4211	1.218	-10.228	-0.796	-0.82	22.735	-73.861
44211_4211	44211	4211	-1.218	10.228	0.796	0.818	-22.735	73.861
44211_4212	44211	4212	1.218	-0.101	-0.796	-0.818	17.966	-42.923
44212_4212	44212	4212	-1.218	0.101	0.796	0.819	-17.966	42.923
44212_4213	44212	4213	1.218	10.043	-0.796	-0.819	13.188	-72.75
44213_4213	44213	4213	-1.218	-10.043	0.796	0.819	-13.188	72.75
44213_4214	44213	4214	1.218	20.186	-0.796	-0.819	8.411	-163.446
44214_4214	44214	4214	-1.213	20.007	1.118	0.99	-8.411	163.576
44214_4215	44214	4215	1.213	-6.482	-1.118	-0.99	-0.532	-57.615
44215_4215	44215	4215	-1.213	6.482	1.118	0.99	0.532	57.615
44215_4216	44215	4216	1.213	7.043	-1.118	-0.99	-9.475	-59.861
44216_4216	44216	4216	-1.213	-7.043	1.118	0.99	9.475	59.861
44216_4217	44216	4217	1.213	20.568	-1.118	-0.99	-18.418	-170.314
44217_4217	44217	4217	-1.216	19.866	1.271	1.082	18.418	170.443
44217_4218	44217	4218	1.216	-6.763	-1.271	-1.082	-28.27	-67.247
44218_4218	44218	4218	-1.214	6.763	1.273	1.169	28.27	67.246
44218_4219	44218	4219	1.214	6.339	-1.273	-1.169	-38.135	-65.6
44219_4219	44219	4219	-1.215	-6.339	1.272	1.1	38.135	65.6
44219_4220	44219	4220	1.215	22.399	-1.272	-1.1	-50.216	-202.116
44220_4220	44220	4220	-1.138	22.391	-0.783	0.84	50.216	202.052
44220_4221	44220	4221	1.138	-1.26	0.783	-0.84	-40.429	-54.236
44221_4221	44221	4221	-1.138	1.26	-0.783	0.84	40.429	54.236
44221_4222	44221	4222	1.138	19.871	0.783	-0.84	-30.642	-170.561
44222_4222	44222	4222	-1.142	17.202	-3.867	1.349	30.642	170.406
44222_4223	44222	4223	1.142	5.197	3.867	-1.349	20.591	-90.877
44223_4223	44223	4223	-1.144	-5.197	-3.866	2.138	-20.591	90.706
44223_4224	44223	4224	1.144	25.901	3.866	-2.138	66.017	-273.41
44224_4224	44224	4224	-1.092	22.161	4.207	0.82	-66.017	273.265
44224_4225	44224	4225	1.092	-7.64	-4.207	-0.82	31.347	-150.469
44225_4225	44225	4225	-1.09	7.64	4.207	0.839	-31.347	150.465

44225_4226	44225	4226	1.09	20.01	-4.207	-0.839	-34.672	-247.531
44226_4226	44226	4226	-1.061	22.395	0.007	0.623	34.672	247.476
44226_4227	44226	4227	1.061	-1.301	-0.007	-0.623	-34.758	-105.632
44227_4227	44227	4227	-1.061	1.301	0.013	1.24	34.758	105.627
44227_4228	44227	4228	1.061	19.796	-0.013	-1.24	-34.919	-216.355
44228_4228	44228	4228	-1.105	21.674	3.249	-0.331	34.919	216.405
44228_4229	44228	4229	1.105	-0.572	-3.249	0.331	-73.826	-83.194
44229_4229	44229	4229	-1.105	0.572	3.249	-0.331	73.826	83.194
44229_4230	44229	4230	1.105	20.529	-3.249	0.331	-112.733	-202.694
44230_4230	44230	4230	-0.79	21.478	-6.57	-0.478	112.733	202.702
44230_4231	44230	4231	0.79	0.064	6.57	0.478	-32.404	-71.799
44231_4231	44231	4231	-0.843	-0.064	-6.563	0.111	32.404	71.801
44231_4232	44231	4232	0.843	21.595	6.563	-0.111	47.8	-204.139
44232_4232	44232	4232	-1.022	21.574	0.089	-1.571	-47.8	204.292
44232_4233	44232	4233	1.022	-0.462	-0.089	1.571	46.734	-72.277
44233_4233	44233	4233	-1.022	0.462	0.088	-1.64	-46.734	72.271
44233_4234	44233	4234	1.022	20.703	-0.088	1.64	45.676	-193.835
44234_4234	44234	4234	-1.02	19.885	-0.093	-0.483	-45.676	193.889
44234_4235	44234	4235	1.02	-0.871	0.093	0.483	46.674	-81.895
44235_4235	44235	4235	-1.021	0.871	-0.079	0.265	-46.674	81.917
44235_4236	44235	4236	1.021	17.717	0.079	-0.265	47.46	-165.531
44236_4236	44236	4236	-1.63	17.27	12.784	-0.778	-47.46	165.583
44236_4237	44236	4237	1.63	1.563	-12.784	0.778	-81.113	-86.597
44237_4237	44237	4237	-1.625	-1.563	12.785	-0.745	81.113	86.597
44237_4238	44237	4238	1.625	21.541	-12.785	0.745	-217.507	-209.839
44238_4238	44238	4238	0.106	23.914	-11.351	0.272	217.507	209.97
44238_4239	44238	4239	-0.106	-0.297	11.351	-0.272	-74.349	-57.297
44239_4239	44239	4239	0.036	0.297	-11.352	0.693	74.349	57.298
44239_4240	44239	4240	-0.036	21.958	11.352	-0.693	60.566	-186.015
44240_4240	44240	4240	-0.854	20.472	2.774	-0.047	-60.566	185.872
44240_4241	44240	4241	0.854	-2.371	-2.774	0.047	33.753	-75.47
44241_4241	44241	4241	-0.854	2.371	2.774	-0.052	-33.753	75.47
44241_4242	44241	4242	0.854	16.255	-2.774	0.052	6.162	-144.518
44242_4242	44242	4242	-0.743	18.061	0.961	0.534	-6.162	144.641
44242_4243	44242	4243	0.743	0.753	-0.961	-0.534	-3.49	-57.692
44243_4243	44243	4243	-0.744	-0.753	0.96	0.498	3.49	57.693
44243_4244	44243	4244	0.744	18.703	-0.96	-0.498	-12.694	-150.942
44244_4244	44244	4244	-0.688	18.717	-0.032	0.346	12.694	150.775
44244_4245	44244	4245	0.688	-1.432	0.032	-0.346	-12.394	-57.779
44245_4245	44245	4245	-0.688	1.432	-0.028	0.714	12.394	57.776
44245_4246	44245	4246	0.688	18.023	0.028	-0.714	-12.102	-143.965
44246_4246	44246	4246	-0.674	16.789	0.533	0.446	12.102	143.919
44246_4247	44246	4247	0.674	2.235	-0.533	-0.446	-17.521	-69.991
44247_4247	44247	4247	-0.674	-2.235	0.534	0.458	17.521	69.99
44247_4248	44247	4248	0.674	19.943	-0.534	-0.458	-22.566	-174.85
44248_4248	44248	4248	-0.531	21.545	0.106	-0.113	22.566	175.501
44248_4249	44248	4249	0.531	3.494	-0.106	0.113	-23.988	-54.817
44249_4249	44249	4249	-0.529	-3.494	0.114	0.71	23.988	54.812
44249_4250	44249	4250	0.529	24.333	-0.114	-0.71	-25.259	-209.646
44250_4250	44250	4250	-0.429	22.584	0.013	0.119	25.259	209.836
44250_4251	44250	4251	0.429	1.737	-0.013	-0.119	-25.425	-74.456
44251_4251	44251	4251	-0.429	-1.737	0.013	0.082	25.425	74.456
44251_4252	44251	4252	0.429	17.907	-0.013	-0.082	-25.533	-159.27
44252_4252	44252	4252	-0.385	17.751	-1.976	0.681	25.533	159.251
44252_4253	44252	4253	0.385	4.124	1.976	-0.681	-2.455	-79.656

44253_4253	44253	4253	-0.397	-4.124	-1.973	1.157	2.455	79.651
44253_4254	44253	4254	0.397	22.735	1.973	-1.157	17.156	-213.125
44254_4254	44254	4254	-0.471	19.777	2.266	-1.974	-17.156	212.79
44254_4255	44254	4255	0.471	5.136	-2.266	1.974	-11.403	-120.509
44255_4255	44255	4255	-0.472	-5.136	2.265	-2.046	11.403	120.507
44255_4256	44255	4256	0.472	28.635	-2.265	2.046	-38.338	-321.279
44256_4256	44256	4256	-0.409	24.02	-2.532	-2.211	38.338	321.539
44256_4257	44256	4257	0.409	-1.595	2.532	2.211	-9.608	-176.215
44257_4257	44257	4257	-0.429	1.595	-2.529	-0.88	9.608	176.227
44257_4258	44257	4258	0.429	21.548	2.529	0.88	20.003	-293.051
44258_4258	44258	4258	-0.442	21.725	-2.707	-1.882	-20.003	293.075
44258_4259	44258	4259	0.442	1.273	2.707	1.882	51.508	-174.071
44259_4259	44259	4259	-0.444	-1.273	-2.707	-1.752	-51.508	174.073
44259_4260	44259	4260	0.444	23.834	2.707	1.752	82.411	-317.389
44260_4260	44260	4260	-0.447	21.399	-4.187	-3.274	-82.411	317.346
44260_4261	44260	4261	0.447	1.461	4.187	3.274	130.85	-202.028
44261_4261	44261	4261	-0.495	-1.461	-4.182	-0.928	-130.85	202.052
44261_4262	44261	4262	0.495	24.139	4.182	0.928	178.838	-348.933
44262_4262	44262	4262	-0.354	21.833	5.827	-5.124	-178.838	349.112
44262_4263	44262	4263	0.354	3.259	-5.827	5.124	104.856	-231.199
44263_4263	44263	4263	-0.355	-3.259	5.827	-5.135	-104.856	231.199
44263_4264	44263	4264	0.355	25.976	-5.827	5.135	37.878	-399.226
44264_4264	44264	4264	-0.697	26.493	-20.04	-2.729	-37.878	399.343
44264_4265	44264	4265	0.697	-1.167	20.04	2.729	294.681	-222.116
44265_4265	44265	4265	-0.789	1.167	-20.036	-1.701	-294.681	222.126
44265_4266	44265	4266	0.789	22.255	20.036	1.701	532.154	-347.095
44266_4266	44266	4266	0.286	25.776	24.248	-2.301	-532.154	347.086
44266_4267	44266	4267	-0.286	-5.212	-24.248	2.301	279.848	-185.869
44267_4267	44267	4267	0.287	5.212	24.248	-2.291	-279.848	185.869
44267_4268	44267	4268	-0.287	12.791	-24.248	2.291	58.955	-220.393
44268_4268	44268	4268	0.036	20.724	4.385	0.426	-58.955	220.359
44268_4269	44268	4269	-0.036	6.033	-4.385	-0.426	0.513	-122.472
44269_4269	44269	4269	0.086	-6.033	4.385	1.823	-0.513	122.459
44269_4270	44269	4270	-0.086	27.32	-4.385	-1.823	-45.975	-299.265
44270_4270	44270	4270	-0.079	36.628	-1.901	0.869	45.975	298.899
44270_4271	44270	4271	0.079	-8.984	1.901	-0.869	-19.794	15.11
44271_4271	44271	4271	-0.078	8.984	-1.901	0.871	19.794	-15.109
44271_4272	44271	4272	0.078	11.916	1.901	-0.871	0	-0.153
44372_4372	44372	4372	-0.077	8.76	-1.288	0.565	0	0.145
44372_4373	44372	4373	0.077	9.732	1.288	-0.565	15.942	-6.155
44373_4373	44373	4373	-0.078	-9.732	-1.288	0.568	-15.942	6.154
44373_4374	44373	4374	0.078	27.435	1.288	-0.568	31.205	-226.343
44374_4374	44374	4374	-0.027	19.763	1.864	0.82	-31.205	226.05
44374_4375	44374	4375	0.027	-2.364	-1.864	-0.82	9.493	-97.219
44375_4375	44375	4375	-0.026	2.364	1.865	0.879	-9.493	97.219
44375_4376	44375	4376	0.026	13.016	-1.865	-0.879	-9.698	-152.038
44376_4376	44376	4376	0.014	15.665	-0.332	0.371	9.698	152.258
44376_4377	44376	4377	-0.014	1.28	0.332	-0.371	-5.936	-70.691
44377_4377	44377	4377	0.01	-1.28	-0.332	1.225	5.936	70.682
44377_4378	44377	4378	-0.01	17.883	0.332	-1.225	-2.247	-177.15
44378_4378	44378	4378	-0.102	17.487	0.276	0.906	2.247	177.114
44378_4379	44378	4379	0.102	0.145	-0.276	-0.906	-5.503	-74.796
44379_4379	44379	4379	-0.102	-0.145	0.276	0.879	5.503	74.797
44379_4380	44379	4380	0.102	18.416	-0.276	-0.879	-8.876	-188.275
44380_4380	44380	4380	-0.117	15.979	-0.078	0.52	8.876	188.362

44380_4381	44380	4381	0.117	0.296	0.078	-0.52	-8.022	-102.947
44381_4381	44381	4381	-0.117	-0.296	-0.078	1.29	8.022	102.94
44381_4382	44381	4382	0.117	14.886	0.078	-1.29	-7.265	-177.065
44382_4382	44382	4382	-0.125	18.464	-0.631	1.491	7.265	176.87
44382_4383	44382	4383	0.125	-1.035	0.631	-1.491	0.099	-63.15
44383_4383	44383	4383	-0.125	1.035	-0.631	1.52	-0.099	63.149
44383_4384	44383	4384	0.125	16.426	0.631	-1.52	7.475	-153.082
44384_4384	44384	4384	-0.119	18.015	-0.157	2.048	-7.475	152.977
44384_4385	44384	4385	0.119	0.514	0.157	-2.048	9.432	-43.56
44385_4385	44385	4385	-0.119	-0.514	-0.156	2.072	-9.432	43.558
44385_4386	44385	4386	0.119	15.647	0.156	-2.072	11.031	-126.084
44386_4386	44386	4386	-0.113	18.096	0.423	1.816	-11.031	126.371
44386_4387	44386	4387	0.113	-0.388	-0.423	-1.816	5.972	-15.92
44387_4387	44387	4387	-0.109	0.388	0.424	1.955	-5.972	15.903
44387_4388	44387	4388	0.109	17.766	-0.424	-1.955	0.773	-122.361
44388_4388	44388	4388	-0.105	18.28	0.621	1.685	-0.773	122.83
44388_4389	44388	4389	0.105	0.59	-0.621	-1.685	-7.139	-10.189
44389_4389	44389	4389	-0.105	-0.59	0.621	1.683	7.139	10.189
44389_4390	44389	4390	0.105	17.587	-0.621	-1.683	-14.265	-114.438
44390_4390	44390	4390	-0.102	17.969	0.399	1.121	14.265	114.371
44390_4391	44390	4391	0.102	1.539	-0.399	-1.121	-19.522	-6.216
44391_4391	44391	4391	-0.099	-1.539	0.4	1.172	19.522	6.207
44391_4392	44391	4392	0.099	17.894	-0.4	-1.172	-23.939	-113.457
44392_4392	44392	4392	-0.102	17.456	0.073	0.492	23.939	113.498
44392_4393	44392	4393	0.102	0.915	-0.073	-0.492	-24.846	-10.958
44393_4393	44393	4393	-0.102	-0.915	0.073	0.496	24.846	10.958
44393_4394	44393	4394	0.102	18.403	-0.073	-0.496	-25.71	-124.954
44394_4394	44394	4394	-0.09	18.323	1.673	-0.282	25.71	124.765
44394_4395	44394	4395	0.09	-0.742	-1.673	0.282	-45.56	-11.659
44395_4395	44395	4395	-0.074	0.742	1.674	-0.169	45.56	11.662
44395_4396	44395	4396	0.074	17.527	-1.674	0.169	-66.197	-115.131
44396_4396	44396	4396	-0.105	12.963	-3.06	-0.978	66.197	115.467
44396_4397	44396	4397	0.105	4.953	3.06	0.978	-29.199	-67.039
44397_4397	44397	4397	-0.104	-4.953	-3.06	-1.006	29.199	67.039
44397_4398	44397	4398	0.104	22.899	3.06	1.006	7.859	-235.694
44398_4398	44398	4398	-0.082	30.147	0.261	-0.749	-7.859	235.502
44398_4399	44398	4399	0.082	-11.383	-0.261	0.749	4.558	27.448
44399_4399	44399	4399	-0.081	11.383	0.261	-0.841	-4.558	-27.445
44399_4400	44399	4400	0.081	7.32	-0.261	0.841	1.264	53.089
44400_4400	44400	4400	-0.08	-7.32	0.261	-0.888	-1.264	-53.088
44400_4401	44400	4401	0.08	14.499	-0.261	0.888	0	0.231
44572_4572	44572	4572	-0.022	8.847	-0.191	0.708	0	-0.02
44572_4573	44572	4573	0.022	9.654	0.191	-0.708	2.364	-4.974
44573_4573	44573	4573	-0.022	-9.654	-0.191	0.71	-2.364	4.973
44573_4574	44573	4574	0.022	27.228	0.191	-0.71	4.609	-221.871
44574_4574	44574	4574	-0.027	19.274	0.105	0.595	-4.609	222.014
44574_4575	44574	4575	0.027	-2.157	-0.105	-0.595	3.403	-99.26
44575_4575	44575	4575	-0.027	2.157	0.105	0.635	-3.403	99.26
44575_4576	44575	4576	0.027	13.061	-0.105	-0.635	2.332	-154.793
44576_4576	44576	4576	-0.032	15.917	0.256	0.284	-2.332	154.877
44576_4577	44576	4577	0.032	1.077	-0.256	-0.284	-0.576	-70.48
44577_4577	44577	4577	-0.028	-1.077	0.256	1.196	0.576	70.47
44577_4578	44577	4578	0.028	17.961	-0.256	-1.196	-3.47	-178.036
44578_4578	44578	4578	0.101	17.294	0.529	0.779	3.47	178.05
44578_4579	44578	4579	-0.101	0.041	-0.529	-0.779	-9.607	-77.963

44579_4579	44579	4579	0.101	-0.041	0.529	0.724	9.607	77.964
44579_4580	44579	4580	-0.101	18.488	-0.529	-0.724	-16.138	-192.34
44580_4580	44580	4580	0.075	16.454	-0.664	0.526	16.138	192.362
44580_4581	44580	4581	-0.075	-0.232	0.664	-0.526	-8.925	-101.784
44581_4581	44581	4581	0.071	0.232	-0.665	1.093	8.925	101.779
44581_4582	44581	4582	-0.071	14.315	0.665	-1.093	-2.453	-170.333
44582_4582	44582	4582	0.07	18.33	-0.276	1.14	2.453	170.47
44582_4583	44582	4583	-0.07	-1.214	0.276	-1.14	0.705	-58.535
44583_4583	44583	4583	0.07	1.214	-0.276	1.188	-0.705	58.534
44583_4584	44583	4584	-0.07	16.395	0.276	-1.188	3.955	-147.986
44584_4584	44584	4584	0.063	17.869	-0.622	1.469	-3.955	148.135
44584_4585	44584	4585	-0.063	0.515	0.622	-1.469	11.677	-40.486
44585_4585	44585	4585	0.063	-0.515	-0.622	1.476	-11.677	40.485
44585_4586	44585	4586	-0.063	15.698	0.622	-1.476	18.054	-123.549
44586_4586	44586	4586	0.07	18.027	0.8	1.496	-18.054	123.198
44586_4587	44586	4587	-0.07	-0.535	-0.8	-1.496	8.613	-13.641
44587_4587	44587	4587	0.076	0.535	0.799	1.591	-8.613	13.63
44587_4588	44587	4588	-0.076	17.73	-0.799	-1.591	-1.24	-119.611
44588_4588	44588	4588	0.07	18.115	0.385	1.372	1.24	119.236
44588_4589	44588	4589	-0.07	0.582	-0.385	-1.372	-6.101	-8.623
44589_4589	44589	4589	0.07	-0.582	0.385	1.362	6.101	8.625
44589_4590	44589	4590	-0.07	17.629	-0.385	-1.362	-10.534	-113.38
44590_4590	44590	4590	0.072	17.868	0.379	0.969	10.534	113.529
44590_4591	44590	4591	-0.072	1.528	-0.379	-0.969	-15.49	-6.585
44591_4591	44591	4591	0.075	-1.528	0.378	1.02	15.49	6.577
44591_4592	44591	4592	-0.075	17.891	-0.378	-1.02	-19.665	-113.795
44592_4592	44592	4592	0.074	17.415	0.33	0.538	19.665	113.844
44592_4593	44592	4593	-0.074	0.705	-0.33	-0.538	-23.696	-11.669
44593_4593	44593	4593	0.074	-0.705	0.33	0.528	23.696	11.67
44593_4594	44593	4594	-0.074	18.332	-0.33	-0.528	-27.618	-124.906
44594_4594	44594	4594	0.081	17.927	0.81	-0.11	27.618	124.449
44594_4595	44594	4595	-0.081	-0.335	-0.81	0.11	-37.232	-16.037
44595_4595	44595	4595	0.087	0.335	0.809	0.02	37.232	16.037
44595_4596	44595	4596	-0.087	17.815	-0.809	-0.02	-47.143	-123.095
44596_4596	44596	4596	0.06	14.074	-1.751	-0.276	47.143	122.995
44596_4597	44596	4597	-0.06	3.822	1.751	0.276	-25.998	-61.083
44597_4597	44597	4597	0.062	-3.822	-1.751	-0.335	25.998	61.083
44597_4598	44597	4598	-0.062	21.667	1.751	0.335	-4.912	-214.564
44598_4598	44598	4598	0.053	27.863	-0.183	-0.322	4.912	214.7
44598_4599	44598	4599	-0.053	-9.138	0.183	0.322	-2.595	19.083
44599_4599	44599	4599	0.052	9.138	-0.184	-0.379	2.595	-19.082
44599_4600	44599	4600	-0.052	9.494	0.184	0.379	-0.288	16.842
44600_4600	44600	4600	0.052	-9.494	-0.184	-0.407	0.288	-16.842
44600_4601	44600	4601	-0.052	11.817	0.184	0.407	0	0.141
45000_5000	45000	5000	5.533	457.955	3.479	5.171	0	23.739
45000_5001	45000	5001	-5.533	-420.855	-3.479	-5.171	-44.266	5566.703
45001_5001	45001	5001	5.538	420.855	3.472	-2.309	44.266	-5566.71
45001_5002	45001	5002	-5.538	-392.028	-3.472	2.309	-78.588	9584.723
45002_5002	45002	5002	5.502	340.949	-3.459	11.965	78.588	-9584.86
45002_5003	45002	5003	-5.502	-305.535	3.459	-11.965	-36.586	13510.49
45003_5003	45003	5003	5.496	305.535	-3.467	-8.657	36.586	-13510.5
45003_5004	45003	5004	-5.496	-270.158	3.467	8.657	5.475	17002.65
45004_5004	45004	5004	5.518	224.981	1.053	9.813	-5.475	-17002.9
45004_5005	45004	5005	-5.518	-189.582	-1.053	-9.813	-7.309	19519.2
45005_5005	45005	5005	5.519	189.582	1.048	-8.175	7.309	-19519.2

45005_5006	45005	5006	-5.519	-154.158	-1.048	8.175	-20.04	21607.08
45006_5006	45006	5006	5.514	105.42	-0.3	18.846	20.04	-21607.3
45006_5007	45006	5007	-5.514	-70.028	0.3	-18.846	-16.398	22672.02
45007_5007	45007	5007	5.513	70.028	-0.309	-18.225	16.398	-22672
45007_5008	45007	5008	-5.513	-34.644	0.309	18.225	-12.648	23307.08
45008_5008	45008	5008	5.522	-12.395	0.94	18.484	12.648	-23307.4
45008_5009	45008	5009	-5.522	47.804	-0.94	-18.484	-24.062	22941.88
45009_5009	45009	5009	5.524	-47.804	0.931	-19.021	24.062	-22941.9
45009_5010	45009	5010	-5.524	83.207	-0.931	19.021	-35.364	22146.6
45010_5010	45010	5010	5.52	-130.428	-0.094	-0.774	35.364	-22147
45010_5011	45010	5011	-5.52	165.824	0.094	0.774	-34.224	20348.99
45011_5011	45011	5011	5.52	-165.824	-0.094	-0.774	34.224	-20349
45011_5012	45011	5012	-5.52	201.219	0.094	0.774	-33.084	18121.39
45012_5012	45012	5012	5.52	-247.667	-0.056	4.186	33.084	-18121.7
45012_5013	45012	5013	-5.52	283.081	0.056	-4.186	-32.401	14898.86
45013_5013	45013	5013	5.52	-283.081	-0.06	-6.562	32.401	-14898.9
45013_5014	45013	5014	-5.52	318.463	0.06	6.562	-31.67	11249.48
45014_5014	45014	5014	5.528	-364.35	1.224	1.339	31.67	-11249.6
45014_5015	45014	5015	-5.528	411.44	-1.224	-1.339	-51.438	4985.618
45015_5015	45015	5015	10.208	-411.348	1.22	-3.525	51.404	-4982.11
45015_5016	45015	5016	-10.464	433.838	-1.22	3.525	-61.476	1493.517
45016_5016	45016	5016	21.282	-479.991	-0.559	-2.03	61.478	-1495.13
45016_5017	45016	5017	-22.335	512.077	0.559	2.03	-54.905	-4333.63
45017_5017	45017	5017	36.651	-511.243	-0.564	0.336	55.065	4333.844
45017_5018	45017	5018	-39.019	550.137	0.564	-0.336	-47.568	-11384.1
45018_5018	45018	5018	58.439	-592.798	0.179	-9.253	46.825	11384.06
45018_5019	45018	5019	-61.87	631.244	-0.179	9.253	-49.062	-19054.2
45019_5019	45019	5019	79.184	-629.304	0.173	7.792	50.939	19054.18
45019_5020	45019	5020	-83.979	670.273	-0.173	-7.792	-53.117	-27232.4
45020_5020	45020	5020	-2531.46	207.11	-15.894	-2.113	393.315	5866.656
45020_5021	45020	5021	2531.462	-180.548	15.894	2.113	-242.382	-4026.05
45021_5021	45021	5021	-2531.47	180.548	-15.492	-1.28	242.382	4019.247
45021_5022	45021	5022	2531.465	-160.963	15.492	1.28	-122.229	-2694.93
45022_5022	45022	5022	-2531.48	160.963	-12.597	1.802	122.229	2694.931
45022_5023	45022	5023	2531.481	-141.405	12.597	-1.802	-24.672	-1524.07
45023_5023	45023	5023	-2531.5	97.945	-6.36	-0.037	24.672	1524.069
45023_5024	45023	5024	2531.502	-77.732	6.36	0.037	26.238	-820.994
45024_5024	45024	5024	-2531.49	77.732	-9.841	-1.166	-26.238	820.993
45024_5025	45024	5025	2531.49	-57.541	9.841	1.166	104.923	-280.219
45025_5025	45025	5025	-2531.51	57.541	-3.215	-0.432	-104.923	280.221
45025_5026	45025	5026	2531.508	-37.331	3.215	0.432	130.651	99.416
45026_5026	45026	5026	-2531.51	-9.046	-2.584	-0.711	-130.651	-99.415
45026_5027	45026	5027	2531.511	24.203	2.584	0.711	146.162	-0.369
45027_5027	45027	5027	-2531.51	-24.203	-3.021	-0.711	-146.162	0.369
45027_5028	45027	5028	2531.511	39.335	3.021	0.711	164.263	-190.736
45028_5028	45028	5028	-2531.51	-39.335	-2.584	-0.678	-164.263	190.736
45028_5029	45028	5029	2531.511	54.493	2.584	0.678	179.775	-472.319
45029_5029	45029	5029	-2531.51	-54.493	1.611	0.105	-179.775	472.32
45029_5030	45029	5030	2531.512	69.647	-1.611	-0.105	170.105	-844.806
45030_5030	45030	5030	-2531.52	-115.745	1.09	-1.985	-170.105	844.782
45030_5031	45030	5031	2531.522	135.95	-1.09	1.985	161.385	-1851.7
45031_5031	45031	5031	-2531.52	-135.95	4.238	0.318	-161.385	1851.705
45031_5032	45031	5032	2531.519	156.153	-4.238	-0.318	127.481	-3020.13
45032_5032	45032	5032	-2531.52	-156.153	4.238	0.318	-127.481	3020.134
45032_5033	45032	5033	2531.519	176.356	-4.238	-0.318	93.577	-4350.19

45033_5033	45033	5033	-2531.47	-220.709	12.498	-2.95	-93.577	4350.3
45033_5034	45033	5034	2531.47	240.273	-12.498	2.95	-3.249	-6136
45034_5034	45034	5034	-2531.47	-240.273	12.498	-2.95	3.249	6135.999
45034_5035	45034	5035	2531.47	259.838	-12.498	2.95	-100.074	-8073.27
45035_5035	45035	5035	-2531.46	-259.838	15.036	5.216	100.074	8080.428
45035_5036	45035	5036	2531.456	286.34	-15.036	-5.216	-242.537	-10667.9
45036_5036	45036	5036	85.85	556.105	0.915	-31.066	-4.622	33347.63
45036_5037	45036	5037	-81.055	-515.059	-0.915	31.066	-6.915	-26594.9
45037_5037	45037	5037	66.919	517.11	0.869	27.911	0.799	26594.91
45037_5038	45037	5038	-63.487	-478.604	-0.869	-27.911	-11.701	-20346.4
45038_5038	45038	5038	47.644	440.936	-0.414	-6.48	14.535	20347.17
45038_5039	45038	5039	-45.276	-402.089	0.414	6.48	-9.036	-14754.3
45039_5039	45039	5039	33.379	403.135	-0.449	17.958	8.167	14716.93
45039_5040	45039	5040	-32.338	-371.39	0.449	-17.958	-2.884	-10165
45040_5040	45040	5040	24.216	322.503	0.48	-3.345	3.384	10165.59
45040_5041	45040	5041	-23.966	-300.481	-0.48	3.345	-7.345	-7597.5
45041_5041	45041	5041	20.735	300.831	0.467	1.515	7.319	7586.884
45041_5042	45041	5042	-20.735	-263.197	-0.467	-1.515	-14.655	-3152.43
45042_5042	45042	5042	20.73	215.585	-0.517	0.041	14.655	3152.484
45042_5043	45042	5043	-20.73	-187.041	0.517	-0.041	-8.492	-751.558
45043_5043	45043	5043	20.73	187.041	-0.517	0.041	8.492	751.558
45043_5044	45043	5044	-20.73	-158.498	0.517	-0.041	-2.328	1308.946
45044_5044	45044	5044	20.734	113.624	0.069	0.237	2.328	-1308.96
45044_5045	45044	5045	-20.734	-85.062	-0.069	-0.237	-3.156	2494.484
45045_5045	45045	5045	20.734	85.062	0.071	0.416	3.156	-2494.48
45045_5046	45045	5046	-20.734	-56.525	-0.071	-0.416	-4.001	3338.607
45046_5046	45046	5046	20.734	11.257	0.113	3.158	4.001	-3338.66
45046_5047	45046	5047	-20.734	17.3	-0.113	-3.158	-5.345	3302.604
45047_5047	45047	5047	20.734	-17.3	0.079	-2.132	5.345	-3302.61
45047_5048	45047	5048	-20.734	45.83	-0.079	2.132	-6.292	2926.34
45048_5048	45048	5048	20.732	-90.743	-0.261	2.057	6.292	-2926.39
45048_5049	45048	5049	-20.732	119.295	0.261	-2.057	-3.18	1673.565
45049_5049	45049	5049	20.732	-119.295	-0.296	-0.74	3.18	-1673.57
45049_5050	45049	5050	-20.732	147.842	0.296	0.74	0.345	80.377
45050_5050	45050	5050	20.733	-192.007	0.479	-0.617	-0.345	-80.413
45050_5051	45050	5051	-20.733	229.604	-0.479	0.617	-7.177	-3231.14
45051_5051	45051	5051	23.547	-229.242	0.45	3.856	7.215	3234.805
45051_5052	45051	5052	-23.778	249.6	-0.45	-3.856	-10.927	-5211.28
45052_5052	45052	5052	30.977	-294.568	0.129	-5.55	10.706	5211.229
45052_5053	45052	5053	-31.937	323.819	-0.129	5.55	-12.226	-8844.25
45053_5053	45053	5053	41.308	-322.647	0.09	10.884	13.096	8851.527
45053_5054	45053	5054	-43.603	360.193	-0.09	-10.884	-14.287	-13381.7
45054_5054	45054	5054	57.578	-399.486	-0.033	-13.424	12.423	13381.53
45054_5055	45054	5055	-60.895	436.612	0.033	13.424	-12.005	-18628.9
45055_5055	45055	5055	73.045	-434.687	-0.066	15.749	15.147	18628.9
45055_5056	45055	5056	-77.663	474.066	0.066	-15.749	-14.308	-24347.8
45056_5056	45056	5056	-2079.37	264.854	-8.3	0.77	158.992	8031.196
45056_5057	45056	5057	2079.366	-239.121	8.3	-0.77	-80.198	-5638.91
45057_5057	45057	5057	-2079.36	239.121	-9.131	-1.392	80.198	5605.473
45057_5058	45057	5058	2079.363	-218.577	9.131	1.392	-9.441	-3832
45058_5058	45058	5058	-2079.37	218.577	-6.454	3.54	9.441	3831.995
45058_5059	45058	5059	2079.373	-198.035	6.454	-3.54	40.569	-2217.87
45059_5059	45059	5059	-2079.37	156.282	-7.483	-0.768	-40.569	2217.868
45059_5060	45059	5060	2079.372	-135.049	7.483	0.768	100.508	-1051.15
45060_5060	45060	5060	-2079.38	135.049	-2.478	1.762	-100.508	1051.145

45060_5061	45060	5061	2079.384	-113.845	2.478	-1.762	120.331	-55.787
45061_5061	45061	5061	-2079.38	113.845	-2.478	1.762	-120.331	55.787
45061_5062	45061	5062	2079.384	-92.642	2.478	-1.762	140.153	769.98
45062_5062	45062	5062	-2079.39	48.945	-0.633	1.846	-140.153	-769.937
45062_5063	45062	5063	2079.387	-33.03	0.633	-1.846	143.951	1015.997
45063_5063	45063	5063	-2079.39	33.03	-0.864	1.959	-143.951	-1016
45063_5064	45063	5064	2079.387	-17.141	0.864	-1.959	149.127	1166.343
45064_5064	45064	5064	-2079.39	17.141	2.824	-0.109	-149.127	-1166.34
45064_5065	45064	5065	2079.385	-1.228	-2.824	0.109	132.177	1221.477
45065_5065	45065	5065	-2079.39	1.228	2.824	-0.109	-132.177	-1221.48
45065_5066	45065	5066	2079.385	14.685	-2.824	0.109	115.226	1181.087
45066_5066	45066	5066	-2079.39	-58.649	4.727	0.842	-115.226	-1180.99
45066_5067	45066	5067	2079.386	79.847	-4.727	-0.842	77.429	627.261
45067_5067	45067	5067	-2079.39	-79.847	4.727	0.842	-77.429	-627.261
45067_5068	45067	5068	2079.386	101.045	-4.727	-0.842	39.632	-95.97
45068_5068	45068	5068	-2079.38	-101.045	7.485	0.969	-39.632	95.969
45068_5069	45068	5069	2079.378	122.268	-7.485	-0.969	-20.286	-989.85
45069_5069	45069	5069	-2079.36	-163.276	9.941	-2.49	20.286	989.918
45069_5070	45069	5070	2079.361	183.808	-9.941	2.49	-97.279	-2333.98
45070_5070	45070	5070	-2079.35	-183.808	12.784	0.701	97.279	2333.985
45070_5071	45070	5071	2079.345	204.365	-12.784	-0.701	-196.408	-3838.98
45071_5071	45071	5071	-2079.34	-204.365	14.02	3.28	196.408	3868.515
45071_5072	45071	5072	2079.337	230.106	-14.02	-3.28	-329.562	-5931.63
45072_5072	45072	5072	86.097	509.477	0.11	-11.429	37.723	21970.16
45072_5073	45072	5073	-81.479	-470.102	-0.11	11.429	-39.103	-15807
45073_5073	45073	5073	68.425	472.23	0.069	12.665	36.394	15807
45073_5074	45073	5074	-65.108	-435.115	-0.069	-12.665	-37.253	-10114.8
45074_5074	45074	5074	50.47	399.149	0.044	2.372	38.265	10115.09
45074_5075	45074	5075	-48.176	-361.59	-0.044	-2.372	-38.853	-5066.74
45075_5075	45075	5075	37.194	362.958	-0.011	10.766	38.665	5066.12
45075_5076	45075	5076	-36.265	-334.656	0.011	-10.766	-38.54	-966.915
45076_5076	45076	5076	28.85	289.902	-0.233	0.649	38.755	967.075
45076_5077	45076	5077	-28.627	-270.222	0.233	-0.649	-36.836	1344.159
45077_5077	45077	5077	25.676	270.615	-0.264	-1.44	36.856	-1349.67
45077_5078	45077	5078	-25.676	-234.557	0.264	1.44	-33.087	4951.61
45078_5078	45078	5078	25.674	194.079	-0.353	6.512	33.087	-4951.72
45078_5079	45078	5079	-25.674	-165.721	0.353	-6.512	-29.127	6969.3
45079_5079	45079	5079	25.673	165.721	-0.399	-5.901	29.127	-6969.3
45079_5080	45079	5080	-25.673	-137.365	0.399	5.901	-24.654	8668.704
45080_5080	45080	5080	25.675	97.671	-0.039	8.775	24.654	-8668.79
45080_5081	45080	5081	-25.675	-69.316	0.039	-8.775	-24.212	9605.083
45081_5081	45081	5081	25.675	69.316	-0.085	-8.335	24.212	-9605.08
45081_5082	45081	5082	-25.675	-40.963	0.085	8.335	-23.257	10223.36
45082_5082	45082	5082	25.674	-0.233	-0.271	0.342	23.257	-10223.5
45082_5083	45082	5083	-25.674	30.685	0.271	-0.342	-19.995	10037.34
45083_5083	45083	5083	25.674	-30.685	-0.272	-0.045	19.995	-10037.3
45083_5084	45083	5084	-25.674	61.162	0.272	0.045	-16.718	9483.831
45084_5084	45084	5084	25.673	-102.347	-0.275	7.349	16.718	-9483.98
45084_5085	45084	5085	-25.673	130.696	0.275	-7.349	-13.634	8177.634
45085_5085	45085	5085	25.673	-130.696	-0.321	-7.226	13.634	-8177.63
45085_5086	45085	5086	-25.673	159.042	0.321	7.226	-10.038	6553.612
45086_5086	45086	5086	25.673	-198.453	-0.186	3.809	10.038	-6553.68
45086_5087	45086	5087	-25.673	226.799	0.186	-3.809	-7.951	4170.079
45087_5087	45087	5087	25.673	-226.799	-0.233	-3.777	7.951	-4170.08
45087_5088	45087	5088	-25.673	255.169	0.233	3.777	-5.338	1466.375

45088_5088	45088	5088	25.677	-293.302	0.114	-1.519	5.338	-1466.37
45088_5089	45088	5089	-25.677	327.997	-0.114	1.519	-6.9	-2796.06
45089_5089	45089	5089	29.508	-327.603	0.081	1.951	6.92	2806.48
45089_5090	45089	5090	-29.744	348.39	-0.081	-1.951	-7.588	-5593.81
45090_5090	45090	5090	38.767	-390.344	-0.42	-11.594	7.196	5593.732
45090_5091	45090	5091	-39.748	420.246	0.42	11.594	-2.264	-10357.6
45091_5091	45091	5091	51.677	-418.843	-0.473	9.661	3.233	10358.44
45091_5092	45091	5092	-53.927	455.773	0.473	-9.661	3.042	-16161.6
45092_5092	45092	5092	70.471	-494.878	-0.375	-9.371	-4.47	16161.41
45092_5093	45092	5093	-73.728	531.397	0.375	9.371	9.17	-22598.4
45093_5093	45093	5093	88.385	-529.111	-0.396	9.434	-7.242	22598.42
45093_5094	45093	5094	-92.926	567.917	0.396	-9.434	12.227	-29503.8
45094_5094	45094	5094	-2377.32	235.409	-6.449	-3.461	69.508	8656.194
45094_5095	45094	5095	2377.315	-210.118	6.449	3.461	-8.275	-6541.04
45095_5095	45095	5095	-2377.32	210.118	-5.48	-0.813	8.275	6543.966
45095_5096	45095	5096	2377.317	-190.058	5.48	0.813	34.219	-4992.48
45096_5096	45096	5096	-2377.32	190.058	-2.511	5.423	-34.219	4992.477
45096_5097	45096	5097	2377.322	-170.024	2.511	-5.423	53.662	-3598.29
45097_5097	45097	5097	-2377.33	129.942	0.327	-0.83	-53.662	3598.255
45097_5098	45097	5098	2377.327	-109.236	-0.327	0.83	51.041	-2641.11
45098_5098	45098	5098	-2377.33	109.236	0.327	-0.83	-51.041	2641.112
45098_5099	45098	5099	2377.327	-88.53	-0.327	0.83	48.42	-1849.69
45099_5099	45099	5099	-2377.32	88.53	3.211	1.414	-48.42	1849.693
45099_5100	45099	5100	2377.324	-67.85	-3.211	-1.414	22.753	-1224.7
45100_5100	45100	5100	-2377.33	25.401	3.769	1.75	-22.753	1224.697
45100_5101	45100	5101	2377.325	-9.872	-3.769	-1.75	0.129	-1118.84
45101_5101	45101	5101	-2377.32	9.872	7.728	3.613	-0.129	1118.833
45101_5102	45101	5102	2377.315	5.657	-7.728	-3.613	-46.257	-1106.18
45102_5102	45102	5102	-2377.31	-5.657	-8.106	-3.755	46.257	1106.183
45102_5103	45102	5103	2377.314	21.188	8.106	3.755	2.407	-1186.76
45103_5103	45103	5103	-2377.32	-21.188	-4.274	-1.841	-2.407	1186.765
45103_5104	45103	5104	2377.324	36.692	4.274	1.841	28.019	-1360.2
45104_5104	45104	5104	-2377.33	-79.413	-2.81	-1.722	-28.019	1360.209
45104_5105	45104	5105	2377.326	100.12	2.81	1.722	50.513	-2078.69
45105_5105	45105	5105	-2377.33	-100.12	0.069	0.796	-50.513	2078.693
45105_5106	45105	5106	2377.327	120.8	-0.069	-0.796	49.959	-2961.67
45106_5106	45106	5106	-2377.33	-120.8	0.158	0.907	-49.959	2961.668
45106_5107	45106	5107	2377.327	141.507	-0.158	-0.907	48.69	-4011.37
45107_5107	45107	5107	-2377.32	-181.437	4.508	-2.992	-48.69	4011.424
45107_5108	45107	5108	2377.321	201.495	-4.508	2.992	13.739	-5495.89
45108_5108	45108	5108	-2377.32	-201.495	4.421	-3.194	-13.739	5495.887
45108_5109	45108	5109	2377.321	221.528	-4.421	3.194	-20.493	-7133.65
45109_5109	45109	5109	-2377.32	-221.528	6.928	4.341	20.493	7129.754
45109_5110	45109	5110	2377.315	246.841	-6.928	-4.341	-86.333	-9355.34
45110_5110	45110	5110	87.464	549.839	0.009	-18.827	10.508	30348.93
45110_5111	45110	5111	-82.923	-511.043	-0.009	18.827	-10.628	-23673.3
45111_5111	45111	5111	68.805	513.186	-0.026	18.124	6.72	23673.3
45111_5112	45111	5112	-65.548	-476.678	0.026	-18.124	-6.388	-17467
45112_5112	45112	5112	49.928	442.76	0.172	-3.31	8.223	17467.38
45112_5113	45112	5113	-47.678	-405.817	-0.172	3.31	-10.511	-11835.1
45113_5113	45113	5113	35.593	407.171	0.144	11.022	10.012	11842.33
45113_5114	45113	5114	-34.621	-377.558	-0.144	-11.022	-11.698	-7229.06
45114_5114	45114	5114	26.385	334.227	0.253	-0.444	11.981	7229.305
45114_5115	45114	5115	-26.151	-313.662	-0.253	0.444	-14.062	-4559.33
45115_5115	45115	5115	22.744	314.012	0.246	0.586	14.06	4546.183

45115_5116	45115	5116	-22.744	-280.478	-0.246	-0.586	-17.571	-312.533
45116_5116	45116	5116	22.743	239.53	-0.637	1.174	17.571	312.534
45116_5117	45116	5117	-22.743	-213.132	0.637	-1.174	-10.435	2225.081
45117_5117	45117	5117	22.743	213.132	-0.657	-0.81	10.435	-2225.08
45117_5118	45117	5118	-22.743	-186.735	0.657	0.81	-3.071	4466.692
45118_5118	45118	5118	22.743	147.8	0.257	2.984	3.071	-4466.7
45118_5119	45118	5119	-22.743	-121.404	-0.257	-2.984	-5.947	5975.785
45119_5119	45119	5119	22.743	121.404	0.236	-2.346	5.947	-5975.79
45119_5120	45119	5120	-22.743	-95.008	-0.236	2.346	-8.597	7188.914
45120_5120	45120	5120	22.744	54.528	-0.331	9.869	8.597	-7188.91
45120_5121	45120	5121	-22.744	-26.154	0.331	-9.869	-4.612	7675.07
45121_5121	45121	5121	22.743	26.154	-0.387	-9.156	4.612	-7675.07
45121_5122	45121	5122	-22.743	2.195	0.387	9.156	0.049	7819.314
45122_5122	45122	5122	22.743	-41.934	-0.046	3.599	-0.049	-7819.32
45122_5123	45122	5123	-22.743	68.329	0.046	-3.599	0.562	7201.255
45123_5123	45123	5123	22.743	-68.329	-0.066	-2.824	-0.562	-7201.26
45123_5124	45123	5124	-22.743	94.723	0.066	2.824	1.303	6287.297
45124_5124	45124	5124	22.742	-132.859	-0.014	4.505	-1.303	-6287.3
45124_5125	45124	5125	-22.742	159.253	0.014	-4.505	1.463	4649.93
45125_5125	45125	5125	22.741	-159.253	-0.055	-3.791	-1.463	-4649.93
45125_5126	45125	5126	-22.741	185.647	0.055	3.791	2.077	2716.705
45126_5126	45126	5126	22.737	-221.317	-0.615	-0.054	-2.077	-2716.72
45126_5127	45126	5127	-22.737	253.503	0.615	0.054	10.487	-528.76
45127_5127	45127	5127	25.773	-253.148	-0.644	0.914	-10.481	536.015
45127_5128	45127	5128	-25.987	272.052	0.644	-0.914	15.792	-2702.61
45128_5128	45128	5128	33.29	-308.407	1.441	-4.425	-15.957	2702.518
45128_5129	45128	5129	-34.182	335.618	-1.441	4.425	-0.988	-6487.95
45129_5129	45129	5129	43.772	-334.377	1.394	8.998	1.685	6485.735
45129_5130	45129	5130	-45.951	370.148	-1.394	-8.998	-20.185	-11160.7
45130_5130	45130	5130	59.951	-407.447	-3.661	-6.665	19.061	11160.58
45130_5131	45130	5131	-63.11	442.876	3.661	6.665	26.874	-16494.9
45131_5131	45131	5131	75.389	-440.908	-3.679	7.194	-25.489	16494.92
45131_5132	45131	5132	-79.801	478.594	3.679	-7.194	71.783	-22279.5
45132_5132	45132	5132	-2004.56	227.11	22.903	9.653	-290.274	6479.22
45132_5133	45132	5133	2004.562	-202.64	-22.903	-9.653	72.7	-4437.91
45133_5133	45133	5133	-2004.53	202.64	25.489	15.501	-72.7	4469.678
45133_5134	45133	5134	2004.531	-184.389	-25.489	-15.501	-124.841	-2969.94
45134_5134	45134	5134	-2004.69	184.389	-0.346	-22.775	124.841	2969.892
45134_5135	45134	5135	2004.693	-166.114	0.346	22.775	-122.154	-1609.85
45135_5135	45135	5135	-2004.68	118.123	-3.515	-0.503	122.154	1610.221
45135_5136	45135	5136	2004.68	-99.282	3.515	0.503	-94.035	-740.548
45136_5136	45136	5136	-2004.68	99.282	-1.009	0.423	94.035	740.548
45136_5137	45136	5137	2004.683	-80.442	1.009	-0.423	-85.961	-21.618
45137_5137	45137	5137	-2004.68	80.442	-3.543	0.396	85.961	21.618
45137_5138	45137	5138	2004.68	-61.625	3.543	-0.396	-57.652	545.972
45138_5138	45138	5138	-2004.69	16.468	-2.977	0.554	57.652	-546.1
45138_5139	45138	5139	2004.691	-2.337	2.977	-0.554	-39.79	602.52
45139_5139	45139	5139	-2004.69	2.337	0.364	-0.45	39.79	-602.52
45139_5140	45139	5140	2004.693	11.793	-0.364	0.45	-41.974	574.153
45140_5140	45140	5140	-2004.69	-11.793	-2.977	0.506	41.974	-574.153
45140_5141	45140	5141	2004.691	25.923	2.977	-0.506	-24.113	460.998
45141_5141	45141	5141	-2004.69	-25.923	0.364	-0.262	24.113	-460.998
45141_5142	45141	5142	2004.693	40.053	-0.364	0.262	-26.297	263.058
45142_5142	45142	5142	-2004.69	-84.402	-2.119	0.07	26.297	-263.175
45142_5143	45142	5143	2004.694	103.242	2.119	-0.07	-9.343	-487.451

45143_5143	45143	5143	-2004.69	-103.242	-2.119	0.07	9.343	487.451
45143_5144	45143	5144	2004.694	122.083	2.119	-0.07	7.611	-1388.81
45144_5144	45144	5144	-2004.69	-122.083	-2.119	0.07	-7.611	1388.81
45144_5145	45144	5145	2004.694	140.924	2.119	-0.07	24.565	-2440.9
45145_5145	45145	5145	-2004.69	-181.533	-0.558	1.947	-24.565	2440.809
45145_5146	45145	5146	2004.687	199.785	0.558	-1.947	28.888	-3918.5
45146_5146	45146	5146	-2004.69	-199.785	-0.558	1.947	-28.888	3918.497
45146_5147	45146	5147	2004.687	218.037	0.558	-1.947	33.211	-5537.64
45147_5147	45147	5147	-2004.69	-218.037	-3.076	-4.907	-33.211	5509.848
45147_5148	45147	5148	2004.685	242.509	3.076	4.907	62.436	-7697.59
45148_5148	45148	5148	77.351	463.278	0.09	-7.676	-10.544	23869
45148_5149	45148	5149	-72.938	-425.59	-0.09	7.676	9.411	-18277.4
45149_5149	45149	5149	61.122	427.488	0.072	7.145	-10.964	18277.44
45149_5150	45149	5150	-57.962	-392.058	-0.072	-7.145	10.061	-13136.4
45150_5150	45150	5150	44.962	362.304	0.153	-0.487	-9.351	13136.4
45150_5151	45150	5151	-42.782	-326.532	-0.153	0.487	7.317	-8565.55
45151_5151	45151	5151	32.752	327.667	0.147	1.771	-7.382	8547.414
45151_5152	45151	5152	-31.835	-299.713	-0.147	-1.771	5.65	-4859.98
45152_5152	45152	5152	25.285	257.464	0.082	-0.075	-5.602	4859.951
45152_5153	45152	5153	-25.064	-238.038	-0.082	0.075	4.928	-2815.82
45153_5153	45153	5153	22.526	238.406	0.082	-0.035	-4.929	2811.968
45153_5154	45153	5154	-22.526	-207.054	-0.082	0.035	3.803	248.527
45154_5154	45154	5154	22.526	165.385	0.127	0.025	-3.803	-248.526
45154_5155	45154	5155	-22.526	-140.285	-0.127	-0.025	2.408	1929.81
45155_5155	45155	5155	22.526	140.285	0.127	0.025	-2.408	-1929.81
45155_5156	45155	5156	-22.526	-115.185	-0.127	-0.025	1.014	3334.977
45156_5156	45156	5156	22.528	75.556	-0.09	0.041	-1.014	-3334.98
45156_5157	45156	5157	-22.528	-52.715	0.09	-0.041	1.916	3977.014
45157_5157	45157	5157	22.528	52.715	-0.09	0.085	-1.916	-3977.01
45157_5158	45157	5158	-22.528	-29.897	0.09	-0.085	2.815	4390.096
45158_5158	45158	5158	22.525	-8.068	0.106	-1.949	-2.815	-4390.1
45158_5159	45158	5159	-22.525	30.909	-0.106	1.949	1.756	4195.009
45159_5159	45159	5159	22.525	-30.909	0.128	2.241	-1.756	-4195.01
45159_5160	45159	5160	-22.525	53.75	-0.128	-2.241	0.472	3771.263
45160_5160	45160	5160	22.522	-93.901	0.374	0.115	-0.472	-3771.28
45160_5161	45160	5161	-22.522	119.001	-0.374	-0.115	-3.64	2600.25
45161_5161	45161	5161	22.522	-119.001	0.374	0.115	3.64	-2600.25
45161_5162	45161	5162	-22.522	144.101	-0.374	-0.115	-7.752	1153.101
45162_5162	45162	5162	22.534	-182.592	-0.589	-0.294	7.752	-1153.06
45162_5163	45162	5163	-22.534	213.944	0.589	0.294	0.336	-1571.33
45163_5163	45163	5163	25.132	-213.57	-0.605	0.825	-0.328	1573.289
45163_5164	45163	5164	-25.352	232.996	0.605	-0.825	5.321	-3415.56
45164_5164	45164	5164	31.931	-272.506	0.546	3.063	-5.23	3415.56
45164_5165	45164	5165	-32.848	300.46	-0.546	-3.063	-1.184	-6783.42
45165_5165	45165	5165	41.499	-299.289	0.571	-4.169	0.831	6788.933
45165_5166	45165	5166	-43.707	335.529	-0.571	4.169	-8.403	-11001.5
45166_5166	45166	5166	56.668	-371.784	0.09	-5.884	8.141	11001.57
45166_5167	45166	5167	-59.867	407.656	-0.09	5.884	-9.277	-15891.6
45167_5167	45167	5167	71.189	-405.784	0.072	6.484	10.612	15891.55
45167_5168	45167	5168	-75.653	443.912	-0.072	-6.484	-11.525	-21237.3
45168_5168	45168	5168	-1933.19	246.634	-1.037	-2.506	3.714	6900.35
45168_5169	45168	5169	1933.185	-221.827	1.037	2.506	6.143	-4675.01
45169_5169	45169	5169	-1933.19	221.827	1.365	3.261	-6.143	4707.934
45169_5170	45169	5170	1933.185	-203.096	-1.365	-3.261	-4.425	-3063.39
45170_5170	45170	5170	-1933.19	203.096	-1.103	-0.651	4.425	3063.395

45170_5171	45170	5171	1933.185	-184.341	1.103	0.651	4.124	-1561.98
45171_5171	45171	5171	-1933.17	138.676	1.592	0.488	-4.124	1561.843
45171_5172	45171	5172	1933.167	-119.316	-1.592	-0.488	-8.616	-529.825
45172_5172	45172	5172	-1933.17	119.316	-0.824	-0.174	8.616	529.825
45172_5173	45172	5173	1933.167	-99.956	0.824	0.174	-2.026	347.316
45173_5173	45173	5173	-1933.17	99.956	-0.824	-0.174	2.026	-347.316
45173_5174	45173	5174	1933.167	-80.595	0.824	0.174	4.564	1069.565
45174_5174	45174	5174	-1933.17	32.845	1.926	-0.951	-4.564	-1069.7
45174_5175	45174	5175	1933.171	-18.325	-1.926	0.951	-6.99	1223.216
45175_5175	45175	5175	-1933.17	18.325	-1.296	1.087	6.99	-1223.22
45175_5176	45175	5176	1933.172	-3.805	1.296	-1.087	0.787	1289.611
45176_5176	45176	5176	-1933.17	3.805	1.926	-1.062	-0.787	-1289.61
45176_5177	45176	5177	1933.171	10.715	-1.926	1.062	-10.766	1268.88
45177_5177	45177	5177	-1933.17	-10.715	-1.296	1.053	10.766	-1268.88
45177_5178	45177	5178	1933.172	25.235	1.296	-1.053	-2.989	1161.022
45178_5178	45178	5178	-1933.18	-73.083	-0.174	-0.127	2.989	-1161.17
45178_5179	45178	5179	1933.176	92.443	0.174	0.127	-1.598	499.023
45179_5179	45179	5179	-1933.18	-92.443	-0.174	-0.127	1.598	-499.023
45179_5180	45179	5180	1933.176	111.803	0.174	0.127	-0.207	-318.013
45180_5180	45180	5180	-1933.18	-111.803	2.242	0.27	0.207	318.013
45180_5181	45180	5181	1933.175	131.163	-2.242	-0.27	-18.146	-1289.93
45181_5181	45181	5181	-1933.17	-175.324	-1.391	-0.636	18.146	1289.941
45181_5182	45181	5182	1933.171	194.079	1.391	0.636	-7.368	-2721.47
45182_5182	45182	5182	-1933.17	-194.079	1.104	2.875	7.368	2721.473
45182_5183	45182	5183	1933.171	212.834	-1.104	-2.875	-15.921	-4298.35
45183_5183	45183	5183	-1933.17	-212.834	-1.325	-2.48	15.921	4271.903
45183_5184	45183	5184	1933.171	237.641	1.325	2.48	-3.333	-6411.8
45184_5184	45184	5184	94.233	460.215	-0.111	6.24	0.535	20813.17
45184_5185	45184	5185	-89.769	-422.087	0.111	-6.24	0.858	-15262.9
45185_5185	45185	5185	78.033	424.461	-0.079	-5.879	0.449	15262.86
45185_5186	45185	5186	-74.834	-388.589	0.079	5.879	0.543	-10162.4
45186_5186	45186	5186	61.628	355.062	-0.329	-0.466	-1.052	10162.47
45186_5187	45186	5187	-59.42	-318.823	0.329	0.466	5.415	-5690.84
45187_5187	45187	5187	49.5	320.564	-0.309	-1.977	-5.388	5699.788
45187_5188	45187	5188	-48.542	-291.344	0.309	1.977	9.019	-2103.31
45188_5188	45188	5188	42.142	245.343	0.252	-0.463	-9.054	2103.41
45188_5189	45188	5189	-41.911	-225.053	-0.252	0.463	6.976	-165.206
45189_5189	45189	5189	39.524	225.592	0.252	-0.447	-6.979	170.494
45189_5190	45189	5190	-39.524	-191.334	-0.252	0.447	3.518	2696.04
45190_5190	45190	5190	39.523	147.536	0.351	-0.489	-3.518	-2696.04
45190_5191	45190	5191	-39.523	-120.129	-0.351	0.489	-0.348	4168.286
45191_5191	45191	5191	39.523	120.129	0.351	-0.489	0.348	-4168.29
45191_5192	45191	5192	-39.523	-92.723	-0.351	0.489	-4.215	5339.044
45192_5192	45192	5192	39.537	49.85	-1.092	-0.328	4.215	-5339.05
45192_5193	45192	5193	-39.537	-24.886	1.092	0.328	6.724	5713.497
45193_5193	45193	5193	39.537	24.886	-1.092	-0.391	-6.724	-5713.5
45193_5194	45193	5194	-39.537	0.104	1.092	0.391	17.679	5837.786
45194_5194	45194	5194	39.514	-41.391	0.4	-0.272	-17.679	-5837.82
45194_5195	45194	5195	-39.514	66.381	-0.4	0.272	13.666	5297.315
45195_5195	45195	5195	39.514	-66.381	0.4	-0.272	-13.666	-5297.32
45195_5196	45195	5196	-39.514	91.37	-0.4	0.272	9.653	4506.144
45196_5196	45196	5196	39.523	-135.331	-0.13	-0.169	-9.653	-4506.14
45196_5197	45196	5197	-39.523	162.738	0.13	0.169	11.078	2866.664
45197_5197	45197	5197	39.523	-162.738	-0.13	-0.169	-11.078	-2866.66
45197_5198	45197	5198	-39.523	190.144	0.13	0.169	12.504	925.699

45198_5198	45198	5198	39.526	-233.085	-0.364	0.056	-12.504	-925.701
45198_5199	45198	5199	-39.526	267.318	0.364	-0.056	17.499	-2512.27
45199_5199	45199	5199	42.816	-266.756	-0.364	0.127	-17.499	2499.319
45199_5200	45199	5200	-43.061	287.912	0.364	-0.127	20.501	-4787.58
45200_5200	45200	5200	51.202	-333.326	0.235	0.941	-20.475	4787.507
45200_5201	45200	5201	-52.219	363.744	-0.235	-0.941	17.71	-8885.05
45201_5201	45201	5201	62.768	-361.987	0.245	-0.78	-17.809	8888.817
45201_5202	45201	5202	-65.27	402.492	-0.245	0.78	14.553	-13962.4
45202_5202	45202	5202	80.985	-446.002	-0.236	8.06	-13.778	13962.3
45202_5203	45202	5203	-84.584	485.898	0.236	-8.06	16.738	-19809.6
45203_5203	45203	5203	98.122	-483.302	-0.204	-7.268	-18.397	19809.65
45203_5204	45203	5204	-103.104	525.455	0.204	7.268	20.966	-26157.5
45204_5204	45204	5204	-2247.94	268.624	-1.092	3.141	25.405	8631.145
45204_5205	45204	5205	2247.938	-240.759	1.092	-3.141	-15.031	-6211.44
45205_5205	45205	5205	-2247.94	240.759	-3.534	-3.459	15.031	5964.361
45205_5206	45205	5206	2247.936	-219.509	3.534	3.459	12.362	-4180.7
45206_5206	45206	5206	-2247.94	219.509	-0.634	1.934	-12.362	4180.703
45206_5207	45206	5207	2247.938	-198.258	0.634	-1.934	17.277	-2561.77
45207_5207	45207	5207	-2247.93	150.984	-3.255	0.784	-17.277	2561.785
45207_5208	45207	5208	2247.928	-129.048	3.255	-0.784	43.316	-1441.59
45208_5208	45208	5208	-2247.93	129.048	-3.255	0.784	-43.316	1441.586
45208_5209	45208	5209	2247.928	-107.112	3.255	-0.784	69.355	-496.887
45209_5209	45209	5209	-2247.93	107.112	-3.255	0.784	-69.355	496.887
45209_5210	45209	5210	2247.928	-85.176	3.255	-0.784	95.395	272.311
45210_5210	45210	5210	-2247.97	36.577	2.369	0.597	-95.395	-272.323
45210_5211	45210	5211	2247.974	-20.125	-2.369	-0.597	81.18	442.439
45211_5211	45211	5211	-2247.98	20.125	-1.377	1.334	-81.18	-442.438
45211_5212	45211	5212	2247.975	-3.673	1.377	-1.334	89.444	513.838
45212_5212	45212	5212	-2247.97	3.673	2.369	0.478	-89.444	-513.84
45212_5213	45212	5213	2247.974	12.779	-2.369	-0.478	75.23	486.522
45213_5213	45213	5213	-2247.98	-12.779	-1.377	1.288	-75.23	-486.52
45213_5214	45213	5214	2247.975	29.231	1.377	-1.288	83.494	360.483
45214_5214	45214	5214	-2248.03	-77.599	2.482	1.225	-83.494	-360.367
45214_5215	45214	5215	2248.034	99.535	-2.482	-1.225	63.635	-348.216
45215_5215	45215	5215	-2248.03	-99.535	5.292	1.661	-63.635	348.215
45215_5216	45215	5216	2248.029	121.471	-5.292	-1.661	21.298	-1232.29
45216_5216	45216	5216	-2248.03	-121.471	2.482	0.12	-21.298	1232.287
45216_5217	45216	5217	2248.034	143.407	-2.482	-0.12	1.44	-2291.87
45217_5217	45217	5217	-2248.06	-189.201	2.93	-14.217	-1.44	2291.711
45217_5218	45217	5218	2248.059	210.424	-2.93	14.217	-21.24	-3838.37
45218_5218	45218	5218	-2248.05	-210.424	5.864	-9.207	21.24	3838.38
45218_5219	45218	5219	2248.053	231.675	-5.864	9.207	-66.689	-5551.61
45219_5219	45219	5219	-2247.98	-231.675	19.603	27.097	66.689	5807.658
45219_5220	45219	5220	2247.975	259.538	-19.603	-27.097	-252.922	-8140.94
45220_5220	45220	5220	93.046	536.343	0.404	-29.667	0.677	25603.61
45220_5221	45220	5221	-88.064	-494.192	-0.404	29.667	-5.769	-19119.8
45221_5221	45221	5221	74.293	496.495	0.312	31.099	-0.796	19119.82
45221_5222	45221	5222	-70.694	-456.6	-0.312	-31.099	-3.119	-13140.1
45222_5222	45222	5222	54.958	414.391	2.893	-3.53	6.21	13140.43
45222_5223	45222	5223	-52.456	-373.885	-2.893	3.53	-44.592	-7909.14
45223_5223	45223	5223	40.757	375.293	2.775	26.684	43.735	7892.391
45223_5224	45223	5224	-39.687	-343.285	-2.775	-26.684	-76.351	-3668.52
45224_5224	45224	5224	31.971	288.977	-2.116	-3.516	76.906	3668.903
45224_5225	45224	5225	-31.713	-266.704	2.116	3.516	-59.443	-1376.26
45225_5225	45225	5225	28.831	267.148	-2.227	1.271	59.465	1383.732

45225_5226	45225	5226	-28.831	-223.961	2.227	-1.271	-25.073	2408.55
45226_5226	45226	5226	28.824	170.444	1.805	9.744	25.073	-2408.52
45226_5227	45226	5227	-28.824	-137.296	-1.805	-9.744	-46.473	4232.508
45227_5227	45227	5227	28.831	137.296	1.684	-8.1	46.473	-4232.51
45227_5228	45227	5228	-28.831	-104.144	-1.684	8.1	-66.435	5663.703
45228_5228	45228	5228	28.881	51.148	-2.259	13.374	66.435	-5663.24
45228_5229	45228	5229	-28.881	-15.919	2.259	-13.374	-39.651	6060.823
45229_5229	45229	5229	28.871	15.919	-2.381	-12.168	39.651	-6060.83
45229_5230	45229	5230	-28.871	19.316	2.381	12.168	-11.42	6040.68
45230_5230	45230	5230	28.844	-73.501	-1.586	7.272	11.42	-6039.69
45230_5231	45230	5231	-28.844	109.721	1.586	-7.272	7.909	4922.964
45231_5231	45231	5231	28.838	-109.721	-1.68	-8.867	-7.909	-4922.96
45231_5232	45231	5232	-28.838	145.947	1.68	8.867	28.395	3364.47
45232_5232	45232	5232	28.364	-201.568	18.529	3.039	-28.395	-3363.65
45232_5233	45232	5233	-28.364	228.876	-18.529	-3.039	-141.899	1385.644
45233_5233	45233	5233	30.746	-228.511	18.487	-0.116	141.901	-1385.64
45233_5234	45233	5234	-30.943	249.383	-18.487	0.116	-269.251	-260.395
45234_5234	45234	5234	35.215	-248.72	18.421	-2.86	269.202	260.39
45234_5235	45234	5235	-35.808	272.278	-18.421	2.86	-411.814	-2277.42
45235_5235	45235	5235	42.954	-316.134	-20.047	-3.5	411.846	2277.627
45235_5236	45235	5236	-43.6	332.583	20.047	3.5	-304.203	-4020.07
45236_5236	45236	5236	48.907	-332.013	-20.149	-3.68	304.447	4053.382
45236_5237	45236	5237	-50.641	363.58	20.149	3.68	-133.961	-6997.92
45237_5237	45237	5237	56.758	-362.653	-20.209	8.417	134.947	6997.9
45237_5238	45237	5238	-58.545	387.703	20.209	-8.417	-1.519	-9477.39
45238_5238	45238	5238	69.457	-438.336	-3.132	-20.823	-0.918	9474.576
45238_5239	45238	5239	-72.879	476.667	3.132	20.823	31.84	-13994
45239_5239	45239	5239	99.634	-471.736	-3.199	12.177	-28.145	13993.99
45239_5240	45239	5240	-105.883	514.773	3.199	-12.177	62.312	-19269.4
45240_5240	45240	5240	-2112.06	319.54	-62.489	-4.702	1225.976	7003.35
45240_5241	45240	5241	2112.055	-274.888	62.489	4.702	-458.189	-3351.57
45241_5241	45241	5241	-2112.29	274.888	-53.792	8.377	458.189	3364.405
45241_5242	45241	5242	2112.294	-253.91	53.792	-8.377	-143.274	-1816.52
45242_5242	45242	5242	-2112.34	253.91	-52.168	9.773	143.274	1816.508
45242_5243	45242	5243	2112.335	-231.135	52.168	-9.773	188.303	-275.047
45243_5243	45243	5243	-2114.38	188.297	-12.372	3.676	-188.303	274.653
45243_5244	45243	5244	2114.379	-153.087	12.372	-3.676	309.878	1402.637
45244_5244	45244	5244	-2114.41	153.087	-5.277	-1.031	-309.878	-1402.64
45244_5245	45244	5245	2114.409	-118.012	5.277	1.031	361.529	2729.502
45245_5245	45245	5245	-2113.65	77.201	-15.808	6.451	-361.529	-2728.8
45245_5246	45245	5246	2113.65	-40.862	15.808	-6.451	521.849	3327.476
45246_5246	45246	5246	-2113.69	40.862	-8.647	-4.822	-521.849	-3327.48
45246_5247	45246	5247	2113.691	-6.885	8.647	4.822	603.841	3553.851
45247_5247	45247	5247	-2113.61	-36.378	-5.006	5.587	-603.841	-3552.98
45247_5248	45247	5248	2113.612	69.679	5.006	-5.587	650.366	3060.151
45248_5248	45248	5248	-2113.62	-69.679	1.544	-3.895	-650.366	-3060.15
45248_5249	45248	5249	2113.618	106.694	-1.544	3.895	634.421	2149.171
45249_5249	45249	5249	-2114.75	-146.317	38.021	1.726	-634.421	-2148.72
45249_5250	45249	5250	2114.748	182.55	-38.021	-1.726	249.95	485.974
45250_5250	45250	5250	-2114.64	-182.55	43.516	0.464	-249.95	-485.977
45250_5251	45250	5251	2114.642	216.633	-43.516	-0.464	-163.961	-1412.49
45251_5251	45251	5251	-2112.23	-271.436	-25.39	-36.193	163.961	1411.247
45251_5252	45251	5252	2112.234	293.107	25.39	36.193	-10.404	-3118.39
45252_5252	45252	5252	-2112.27	-293.107	-22.11	-31.35	10.404	3118.444
45252_5253	45252	5253	2112.271	315.537	22.11	31.35	127.998	-5023.44

45253_5253	45253	5253	-2112.32	-315.537	-16.638	-18.333	-127.998	5021.859
45253_5254	45253	5254	2112.321	350.054	16.638	18.333	286.022	-8182.63
45254_5254	45254	5254	132.778	534.42	-78.877	236.717	-265.643	21761.16
45254_5255	45254	5255	-131.362	-523.273	78.877	-236.717	479.134	-20329.6
45255_5255	45255	5255	113.577	472.402	42.596	-21.009	-445.42	20324.05
45255_5256	45255	5256	-108.027	-421.907	-42.596	21.009	-91.455	-14689.5
45256_5256	45256	5256	98.12	424.364	42.36	34.007	85.642	14689.47
45256_5257	45256	5257	-95.08	-389.066	-42.36	-34.007	-472.683	-10973.4
45257_5257	45257	5257	85.776	335.721	-22.846	-24.823	477.072	10972.25
45257_5258	45257	5258	-84.072	-311.089	22.846	24.823	-328.249	-8865.28
45258_5258	45258	5258	79.184	312.373	-22.992	-8.814	326.537	8865.366
45258_5259	45258	5259	-77.686	-284.636	22.992	8.814	-155.309	-6642.28
45259_5259	45259	5259	72.657	285.951	-23.176	9.04	154.25	6637.656
45259_5260	45259	5260	-71.764	-261.593	23.176	-9.04	23.875	-4533.45
45260_5260	45260	5260	66.554	215.427	4.266	-11.356	-23.428	4441.36
45260_5261	45260	5261	-66.126	-196.2	-4.266	11.356	-1.788	-3224.8
45261_5261	45261	5261	63.253	197.308	4.046	0.265	1.755	3224.824
45261_5262	45261	5262	-63.066	-176.53	-4.046	-0.265	-27.668	-2027.51
45262_5262	45262	5262	61.277	177.264	3.975	2.957	27.669	2002.576
45262_5263	45262	5263	-61.277	-138.308	-3.975	-2.957	-76.119	-79.515
45263_5263	45263	5263	61.309	75.477	-2.674	-0.341	76.119	79.588
45263_5264	45263	5264	-61.309	-38.98	2.674	0.341	-45.584	573.887
45264_5264	45264	5264	61.301	38.98	-2.85	-1.989	45.584	-573.884
45264_5265	45264	5265	-61.301	-1.793	2.85	1.989	-12.423	811.074
45265_5265	45265	5265	61.291	-51.99	-2.934	-1.96	12.423	-810.989
45265_5266	45265	5266	-61.291	89.257	2.934	1.96	21.785	-12.448
45266_5266	45266	5266	61.279	-89.257	-3.177	-1.911	-21.785	12.456
45266_5267	45266	5267	-61.279	125.673	3.177	1.911	57.977	-1236.83
45267_5267	45267	5267	61.334	-181.256	3.115	-11.94	-57.977	1237.026
45267_5268	45267	5268	-61.334	218.137	-3.115	11.94	22.037	-3541.27
45268_5268	45268	5268	61.348	-218.137	2.821	4.99	-22.037	3541.281
45268_5269	45268	5269	-61.348	254.914	-2.821	-4.99	-10.427	-6262.75
45269_5269	45269	5269	61.171	-307.861	-8.296	-29.227	10.427	6263.44
45269_5270	45269	5270	-61.171	336.185	8.296	29.227	63.085	-9117.04
45270_5270	45270	5270	61.147	-336.185	-8.473	-2.855	-63.085	9117.088
45270_5271	45270	5271	-61.147	364.391	8.473	2.855	137.854	-12208.3
45271_5271	45271	5271	64.217	-363.679	-8.611	25.171	-137.732	12240.02
45271_5272	45271	5272	-64.413	385.67	8.611	-25.171	192.851	-14638.3
45272_5272	45272	5272	71.815	-449.671	19.515	-50.622	-193.865	14639.37
45272_5273	45272	5273	-72.386	473.927	-19.515	50.622	56.638	-17886.8
45273_5273	45273	5273	79.07	-472.592	19.392	-15.009	-56.186	17886.85
45273_5274	45273	5274	-79.938	495.356	-19.392	15.009	-70.842	-21057.5
45274_5274	45274	5274	89.137	-493.642	19.237	37.372	73.074	21081.1
45274_5275	45274	5275	-91.649	537.67	-19.237	-37.372	-287.759	-26836.1
45275_5275	45275	5275	106.525	-599.476	-68.623	-73.592	281.364	26840.63
45275_5276	45275	5276	-109.719	639.414	68.623	73.592	395.235	-32949.5
45276_5276	45276	5276	122.593	-636.87	-68.866	68.129	-384.485	32949.65
45276_5277	45276	5277	-126.634	676.856	68.866	-68.129	1043.337	-39236.4
45277_5277	45277	5277	151.985	-732.62	73.353	-78.713	-1062.19	39368.47
45277_5278	45277	5278	-156.033	766.333	-73.353	78.713	492.934	-45184.6
45278_5278	45278	5278	-3319.16	452.711	34.03	14.127	-237.81	16255.7
45278_5279	45278	5279	3319.157	-416.09	-34.03	-14.127	-85.164	-12132.9
45279_5279	45279	5279	-3319.04	416.09	43.944	55.018	85.164	12445.43
45279_5280	45279	5280	3319.041	-392.462	-43.944	-55.018	-372.261	-9804.19
45280_5280	45280	5280	-3320.66	319.649	-57.011	-8.104	372.261	9805.251

45280_5281	45280	5281	3320.655	-277.471	57.011	8.104	292.645	-6323.22
45281_5281	45281	5281	-3320.79	277.471	-48.329	8.428	-292.645	6323.221
45281_5282	45281	5282	3320.792	-232.592	48.329	-8.428	892.377	-3158.43
45282_5282	45282	5282	-3320.34	181.164	6.608	-1.235	-892.377	3102.79
45282_5283	45282	5283	3320.335	-142.723	-6.608	1.235	810.513	-1096.52
45283_5283	45283	5283	-3320.3	142.723	16.928	2.173	-810.513	1096.517
45283_5284	45283	5284	3320.298	-106.47	-16.928	-2.173	612.726	359.26
45284_5284	45284	5284	-3320.46	-9.025	13.519	1.076	-612.726	-359.31
45284_5285	45284	5285	3320.464	44.011	-13.519	-1.076	460.294	60.311
45285_5285	45285	5285	-3320.42	-44.011	21.448	0.932	-460.294	-60.314
45285_5286	45285	5286	3320.423	75.254	-21.448	-0.932	244.336	-540.121
45286_5286	45286	5286	-3320.39	-158.353	39.181	-2.339	-244.336	540.211
45286_5287	45286	5287	3320.393	193.757	-39.181	2.339	-202.725	-2549.03
45287_5287	45287	5287	-3320.24	-193.757	50.624	6.446	202.725	2549.023
45287_5288	45287	5288	3320.238	229.343	-50.624	-6.446	-783.325	-4975.27
45288_5288	45288	5288	-3321.73	-231.859	-33.239	-24.609	783.325	4976.036
45288_5289	45288	5289	3321.727	244.266	33.239	24.609	-650.409	-5928
45289_5289	45289	5289	-3321.77	-244.266	-28.526	-13.869	650.409	5622.193
45289_5290	45289	5290	3321.771	276.044	28.526	13.869	-379.416	-8093.64
45290_5290	45290	5290	144.401	990.133	-25.537	18.225	64.679	33472.69
45290_5291	45290	5291	-140.062	-950.417	25.537	-18.225	202.031	-23339.5
45291_5291	45291	5291	107.249	863.803	4.519	-27.717	-197.259	23341.55
45291_5292	45291	5292	-103.998	-824.12	-4.519	27.717	148.226	-14181.6
45292_5292	45292	5292	82.16	826.599	4.384	29.594	-152.011	14181.58
45292_5293	45292	5293	-80.245	-792.05	-4.384	-29.594	109.379	-6309.39
45293_5293	45293	5293	60.162	703.164	3.295	0.113	-107.541	6310.244
45293_5294	45293	5294	-59.292	-677.671	-3.295	-0.113	83.495	-1272.64
45294_5294	45294	5294	45.346	678.761	3.207	5.329	-83.569	1267.442
45294_5295	45294	5295	-45.027	-655.457	-3.207	-5.329	59.084	3825.632
45295_5295	45295	5295	36.243	656.015	3.119	-3.278	-59.009	-3825.64
45295_5296	45295	5296	-36.232	-631.037	-3.119	3.278	33.429	9103.24
45296_5296	45296	5296	35.946	554.535	2.443	26.96	-33.43	-9087.22
45296_5297	45296	5297	-35.946	-541.951	-2.443	-26.96	23.295	11361.76
45297_5297	45297	5297	35.949	541.951	2.401	13.91	-23.295	-11363.1
45297_5298	45297	5298	-35.949	-509.665	-2.401	-13.91	1.055	16233.59
45298_5298	45298	5298	35.955	509.665	2.315	-24.715	-1.055	-16233.6
45298_5299	45298	5299	-35.955	-477.718	-2.315	24.715	-20.167	20758.44
45299_5299	45299	5299	35.938	402.149	0.086	55.001	20.167	-20760.1
45299_5300	45299	5300	-35.938	-361.487	-0.086	-55.001	-21.174	25214.31
45300_5300	45300	5300	35.938	361.487	-0.053	-42.772	21.174	-25214.3
45300_5301	45300	5301	-35.938	-318.284	0.053	42.772	-20.516	29427.23
45301_5301	45301	5301	35.943	238.603	0.158	64.337	20.516	-29429.6
45301_5302	45301	5302	-35.943	-195.005	-0.158	-64.337	-22.498	32141.49
45302_5302	45302	5302	35.943	195.005	0.02	-59.194	22.498	-32141.5
45302_5303	45302	5303	-35.943	-154.773	-0.02	59.194	-22.732	34160.18
45303_5303	45303	5303	35.967	76.901	1.933	74.525	22.732	-34162.6
45303_5304	45303	5304	-35.967	-31.546	-1.933	-74.525	-47.879	34868.2
45304_5304	45304	5304	35.975	31.546	1.776	-76.831	47.879	-34868.2
45304_5305	45304	5305	-35.975	6.96	-1.776	76.831	-67.505	35004
45305_5305	45305	5305	35.96	-84.627	0.065	59.16	67.505	-35006.6
45305_5306	45305	5306	-35.96	126.65	-0.065	-59.16	-68.287	33732.93
45306_5306	45306	5306	35.96	-126.65	-0.052	-50.526	68.287	-33732.9
45306_5307	45306	5307	-35.96	168.42	0.052	50.526	-67.663	31964.9
45307_5307	45307	5307	35.983	-247.507	1.739	60.947	67.663	-31967.2
45307_5308	45307	5308	-35.983	288.923	-1.739	-60.947	-88.327	28780.14

45308_5308	45308	5308	35.989	-288.923	1.597	-52.996	88.327	-28780.2
45308_5309	45308	5309	-35.989	331.356	-1.597	52.996	-107.762	25004.53
45309_5309	45309	5309	36.026	-399.619	4.651	39.151	107.762	-25006
45309_5310	45309	5310	-36.026	441.613	-4.651	-39.151	-163.801	19938.32
45310_5310	45310	5310	36.043	-441.613	4.518	-34.75	163.801	-19938.3
45310_5311	45310	5311	-36.043	483.433	-4.518	34.75	-218.004	14388.89
45311_5311	45311	5311	35.925	-580.507	-9.226	14.874	218.004	-14389.7
45311_5312	45311	5312	-35.925	624.428	9.226	-14.874	-101.753	6798.139
45312_5312	45312	5312	35.881	-624.428	-9.395	-17.094	101.753	-6798.13
45312_5313	45312	5313	-35.881	662.18	9.395	17.094	0	-169.509
46000_6000	46000	6000	-0.536	12.016	-4.451	-0.928	0	0.222
46000_6001	46000	6001	0.536	6.766	4.451	0.928	51.721	30.284
46001_6001	46001	6001	-0.53	-6.766	-4.451	-0.892	-51.721	-30.285
46001_6002	46001	6002	0.53	22.338	4.451	0.892	94.61	-109.929
46002_6002	46002	6002	-0.482	21.2	4.523	-1.522	-94.61	110.043
46002_6003	46002	6003	0.482	-1.602	-4.523	1.522	39.759	28.207
46003_6003	46003	6003	-0.486	1.602	4.523	-1.499	-39.759	-28.208
46003_6004	46003	6004	0.486	17.998	-4.523	1.499	-15.093	-71.207
46004_6004	46004	6004	-0.502	20.001	-1.036	-0.705	15.093	71.21
46004_6005	46004	6005	0.502	-0.398	1.036	0.705	-2.525	52.501
46005_6005	46005	6005	-0.502	0.398	-1.036	-0.699	2.525	-52.501
46005_6006	46005	6006	0.502	19.19	1.036	0.699	10.032	-61.374
46006_6006	46006	6006	-0.498	19.856	0.261	-0.425	-10.032	61.531
46006_6007	46006	6007	0.498	-0.253	-0.261	0.425	6.868	60.427
46007_6007	46007	6007	-0.498	0.253	0.261	-0.425	-6.868	-60.427
46007_6008	46007	6008	0.498	19.35	-0.261	0.425	3.704	-55.392
46008_6008	46008	6008	-0.501	19.471	-0.04	0.043	-3.704	55.085
46008_6009	46008	6009	0.501	0.12	0.04	-0.043	4.186	62.2
46009_6009	46009	6009	-0.501	-0.12	-0.039	-0.007	-4.186	-62.2
46009_6010	46009	6010	0.501	19.709	0.039	0.007	4.663	-57.972
46010_6010	46010	6010	-0.503	19.184	0.133	0.458	-4.663	58.207
46010_6011	46010	6011	0.503	0.423	-0.133	-0.458	3.049	55.593
46011_6011	46011	6011	-0.503	-0.423	0.133	0.463	-3.049	-55.593
46011_6012	46011	6012	0.503	20.014	-0.133	-0.463	1.438	-68.278
46012_6012	46012	6012	-0.499	18.927	0.572	0.702	-1.438	68.307
46012_6013	46012	6013	0.499	0.669	-0.572	-0.702	-5.495	42.378
46013_6013	46013	6013	-0.499	-0.669	0.572	0.702	5.495	-42.378
46013_6014	46013	6014	0.499	20.264	-0.572	-0.702	-12.429	-84.525
46014_6014	46014	6014	-0.502	17.803	-0.018	0.909	12.429	84.683
46014_6015	46014	6015	0.502	8.059	0.018	-0.909	-12.146	-6.715
46015_6015	46015	6015	-0.502	-8.059	-0.017	0.913	12.146	6.717
46015_6016	46015	6016	0.502	21.388	0.017	-0.913	-12.002	-128.142
46016_6016	46016	6016	-0.501	19.567	0.356	0.643	12.002	129.063
46016_6017	46016	6017	0.501	-0.842	-0.356	-0.643	-16.184	-9.1
46017_6017	46017	6017	-0.501	0.842	0.356	0.643	16.184	9.1
46017_6018	46017	6018	0.501	20.271	-0.356	-0.643	-20.899	-137.866
46018_6018	46018	6018	-0.495	19.709	-1.49	0.363	20.899	137.803
46018_6019	46018	6019	0.495	0.185	1.49	-0.363	-2.292	-15.877
46019_6019	46019	6019	-0.495	-0.185	-1.49	0.364	2.292	15.877
46019_6020	46019	6020	0.495	20.096	1.49	-0.364	16.329	-142.631
46020_6020	46020	6020	-0.564	20.823	1.144	0.226	-16.329	142.623
46020_6021	46020	6021	0.564	-5.681	-1.144	-0.226	5.456	-16.648
46021_6021	46021	6021	-0.562	5.681	1.145	0.248	-5.456	16.648
46021_6022	46021	6022	0.562	6.655	-1.145	-0.248	-3.408	-20.418
46022_6022	46022	6022	-0.564	-6.655	1.144	0.225	3.408	20.418

46022_6023	46022	6023	0.564	19.009	-1.144	-0.225	-12.279	-119.936
46023_6023	46023	6023	-0.556	19.482	-0.424	0.075	12.279	119.803
46023_6024	46023	6024	0.556	-6.745	0.424	-0.075	-8.89	-14.941
46024_6024	46024	6024	-0.556	6.745	-0.425	0.057	8.89	14.941
46024_6025	46024	6025	0.556	5.994	0.425	-0.057	-5.495	-11.937
46025_6025	46025	6025	-0.556	-5.994	-0.424	0.073	5.495	11.937
46025_6026	46025	6026	0.556	18.747	0.424	-0.073	-2.102	-110.978
46026_6026	46026	6026	-0.561	18.949	-0.259	-0.071	2.102	110.877
46026_6027	46026	6027	0.561	-9.404	0.259	0.071	-0.548	-25.931
46027_6027	46027	6027	-0.561	9.404	-0.259	-0.066	0.548	25.931
46027_6028	46027	6028	0.561	0.157	0.259	0.066	1.009	1.82
46028_6028	46028	6028	-0.561	-0.157	-0.259	-0.066	-1.009	-1.82
46028_6029	46028	6029	0.561	9.717	0.259	0.066	2.565	-27.813
46029_6029	46029	6029	-0.562	-9.717	-0.258	-0.02	-2.565	27.813
46029_6030	46029	6030	0.562	19.276	0.258	0.02	4.116	-114.809
46030_6030	46030	6030	-0.56	18.335	0.07	-0.146	-4.116	114.785
46030_6031	46030	6031	0.56	-5.587	-0.07	0.146	3.553	-19.056
46031_6031	46031	6031	-0.56	5.587	0.071	-0.125	-3.553	19.056
46031_6032	46031	6032	0.56	7.143	-0.071	0.125	2.986	-25.273
46032_6032	46032	6032	-0.56	-7.143	0.07	-0.153	-2.986	25.273
46032_6033	46032	6033	0.56	19.891	-0.07	0.153	2.423	-133.451
46033_6033	46033	6033	-0.565	18.927	-0.467	-0.282	-2.423	133.459
46033_6034	46033	6034	0.565	-6.586	0.467	0.282	6.039	-34.629
46034_6034	46034	6034	-0.565	6.586	-0.467	-0.277	-6.039	34.629
46034_6035	46034	6035	0.565	5.77	0.467	0.277	9.66	-31.463
46035_6035	46035	6035	-0.565	-5.77	-0.467	-0.279	-9.66	31.463
46035_6036	46035	6036	0.565	20.879	0.467	0.279	14.088	-157.857
46036_6036	46036	6036	-0.505	20.683	0.772	-0.399	-14.088	157.803
46036_6037	46036	6037	0.505	-0.757	-0.772	0.399	4.432	-23.699
46037_6037	46037	6037	-0.505	0.757	0.771	-0.42	-4.432	23.699
46037_6038	46037	6038	0.505	19.155	-0.771	0.42	-5.212	-138.692
46038_6038	46038	6038	-0.516	14.91	-0.193	-0.727	5.212	138.709
46038_6039	46038	6039	0.516	6.191	0.193	0.727	-2.652	-80.96
46039_6039	46039	6039	-0.516	-6.191	-0.194	-0.562	2.652	80.222
46039_6040	46039	6040	0.516	24.557	0.194	0.562	-0.377	-260.894
46040_6040	46040	6040	-0.524	18.745	-0.917	-1.493	0.377	260.999
46040_6041	46040	6041	0.524	-5.857	0.917	1.493	7.185	-159.566
46041_6041	46041	6041	-0.525	5.857	-0.916	-1.344	-7.185	159.568
46041_6042	46041	6042	0.525	18.487	0.916	1.344	21.46	-257.936
46042_6042	46042	6042	-0.521	20.761	0.301	-0.748	-21.46	257.959
46042_6043	46042	6043	0.521	-2.137	-0.301	0.748	17.878	-121.532
46043_6043	46043	6043	-0.521	2.137	0.3	-0.859	-17.878	121.531
46043_6044	46043	6044	0.521	16.473	-0.3	0.859	14.305	-206.88
46044_6044	46044	6044	-0.523	19.736	-0.098	-0.052	-14.305	206.963
46044_6045	46044	6045	0.523	-1.112	0.098	0.052	15.467	-82.745
46045_6045	46045	6045	-0.523	1.112	-0.098	-0.052	-15.467	82.745
46045_6046	46045	6046	0.523	17.511	0.098	0.052	16.629	-180.454
46046_6046	46046	6046	-0.523	19.386	0.032	0.689	-16.629	180.453
46046_6047	46046	6047	0.523	-0.755	-0.032	-0.689	16.246	-60.403
46047_6047	46047	6047	-0.523	0.755	0.032	0.685	-16.246	60.403
46047_6048	46047	6048	0.523	17.861	-0.032	-0.685	15.865	-162.281
46048_6048	46048	6048	-0.521	18.968	0.322	1.295	-15.865	162.187
46048_6049	46048	6049	0.521	-0.351	-0.322	-1.295	12.024	-47.126
46049_6049	46049	6049	-0.521	0.351	0.323	1.338	-12.024	47.125
46049_6050	46049	6050	0.521	18.28	-0.323	-1.338	8.176	-153.996

46050_6050	46050	6050	-0.517	18.021	0.395	1.612	-8.176	153.812
46050_6051	46050	6051	0.517	6.294	-0.395	-1.612	2.026	-62.587
46051_6051	46051	6051	-0.517	-6.294	0.395	1.593	-2.026	62.59
46051_6052	46051	6052	0.517	19.196	-0.395	-1.593	-1.235	-167.809
46052_6052	46052	6052	-0.515	20.436	-0.139	1.23	1.235	167.7
46052_6053	46052	6053	0.515	-2.079	0.139	-1.23	0.395	-35.467
46053_6053	46053	6053	-0.515	2.079	-0.139	1.215	-0.395	35.48
46053_6054	46053	6054	0.515	17.992	0.139	-1.215	2.236	-140.91
46054_6054	46054	6054	-0.515	18.556	-1.525	0.896	-2.236	140.889
46054_6055	46054	6055	0.515	0.382	1.525	-0.896	21.306	-27.271
46055_6055	46055	6055	-0.514	-0.382	-1.526	0.873	-21.306	27.272
46055_6056	46055	6056	0.514	19.306	1.526	-0.873	40.368	-150.262
46056_6056	46056	6056	-0.545	19.867	1.017	0.786	-40.368	150.269
46056_6057	46056	6057	0.545	-5.468	-1.017	-0.786	30.698	-29.854
46057_6057	46057	6057	-0.545	5.468	1.017	0.791	-30.698	29.854
46057_6058	46057	6058	0.545	6.272	-1.017	-0.791	22.812	-32.967
46058_6058	46058	6058	-0.545	-6.272	1.017	0.788	-22.812	32.967
46058_6059	46058	6059	0.545	17.997	-1.017	-0.788	14.938	-126.899
46059_6059	46059	6059	-0.544	18.968	0.902	0.577	-14.938	126.994
46059_6060	46059	6060	0.544	-6.837	-0.902	-0.577	7.713	-23.659
46060_6060	46060	6060	-0.543	6.837	0.903	0.604	-7.713	23.659
46060_6061	46060	6061	0.543	5.278	-0.903	-0.604	0.493	-17.422
46061_6061	46061	6061	-0.544	-5.278	0.902	0.582	-0.493	17.423
46061_6062	46061	6062	0.544	17.393	-0.902	-0.582	-6.722	-108.094
46062_6062	46062	6062	-0.546	18.361	0.662	0.495	6.722	108.037
46062_6063	46062	6063	0.546	-9.282	-0.662	-0.495	-10.691	-25.192
46063_6063	46063	6063	-0.546	9.282	0.662	0.498	10.691	25.192
46063_6064	46063	6064	0.546	-0.188	-0.662	-0.498	-14.667	3.234
46064_6064	46064	6064	-0.546	0.188	0.662	0.498	14.667	-3.234
46064_6065	46064	6065	0.546	8.907	-0.662	-0.498	-18.643	-22.94
46065_6065	46065	6065	-0.546	-8.907	0.662	0.496	18.643	22.94
46065_6066	46065	6066	0.546	17.985	-0.662	-0.496	-22.613	-103.536
46066_6066	46066	6066	-0.54	18.052	0.837	0.313	22.613	103.64
46066_6067	46066	6067	0.54	-5.925	-0.837	-0.313	-29.31	-7.656
46067_6067	46067	6067	-0.54	5.925	0.837	0.312	29.31	7.656
46067_6068	46067	6068	0.54	6.186	-0.837	-0.312	-35.999	-8.7
46068_6068	46068	6068	-0.54	-6.186	0.837	0.312	35.999	8.7
46068_6069	46068	6069	0.54	18.298	-0.837	-0.312	-42.688	-106.593
46069_6069	46069	6069	-0.559	17.758	-1.328	0.111	42.688	106.752
46069_6070	46069	6070	0.559	-6.011	1.328	-0.111	-32.387	-14.579
46070_6070	46070	6070	-0.559	6.011	-1.328	0.11	32.387	14.579
46070_6071	46070	6071	0.559	5.721	1.328	-0.11	-22.098	-13.453
46071_6071	46071	6071	-0.557	-5.721	-1.329	0.094	22.098	13.454
46071_6072	46071	6072	0.557	20.109	1.329	-0.094	-9.473	-136.141
46072_6072	46072	6072	-0.531	20.083	1.096	-0.044	9.473	136.148
46072_6073	46072	6073	0.531	-1.148	-1.096	0.044	-23.178	-3.437
46073_6073	46073	6073	-0.531	1.148	1.096	-0.044	23.178	3.437
46073_6074	46073	6074	0.531	17.787	-1.096	0.044	-36.882	-107.444
46074_6074	46074	6074	-0.547	15.32	-0.324	-0.511	36.882	107.509
46074_6075	46074	6075	0.547	4.753	0.324	0.511	-32.594	-37.495
46075_6075	46075	6075	-0.546	-4.753	-0.324	-0.203	32.594	37.445
46075_6076	46075	6076	0.546	22.161	0.324	0.203	-28.788	-195.571
46076_6076	46076	6076	-0.561	17.721	-0.852	-1.051	28.788	195.453
46076_6077	46076	6077	0.561	-5.496	0.852	1.051	-21.76	-99.662
46077_6077	46077	6077	-0.56	5.496	-0.852	-1.103	21.76	99.663

46077_6078	46077	6078	0.56	15.423	0.852	1.103	-9.729	-169.747
46078_6078	46078	6078	-0.556	17.74	-0.022	-0.892	9.729	169.648
46078_6079	46078	6079	0.556	-1.154	0.022	0.892	-9.479	-63.877
46079_6079	46079	6079	-0.556	1.154	-0.022	-0.889	9.479	63.877
46079_6080	46079	6080	0.556	15.448	0.022	0.889	-9.229	-143.966
46080_6080	46080	6080	-0.558	16.843	-0.318	-0.51	9.229	143.98
46080_6081	46080	6081	0.558	-0.245	0.318	0.51	-5.663	-48.255
46081_6081	46081	6081	-0.558	0.245	-0.318	-0.513	5.663	48.255
46081_6082	46081	6082	0.558	16.337	0.318	0.513	-2.101	-138.318
46082_6082	46082	6082	-0.557	18.12	-0.057	-0.008	2.101	138.577
46082_6083	46082	6083	0.557	-0.276	0.057	0.008	-1.412	-27.793
46083_6083	46083	6083	-0.557	0.276	-0.057	-0.009	1.412	27.793
46083_6084	46083	6084	0.557	17.552	0.057	0.009	-0.724	-131.748
46084_6084	46084	6084	-0.558	16.774	-0.176	0.495	0.724	131.757
46084_6085	46084	6085	0.558	-0.18	0.176	-0.495	1.249	-36.807
46085_6085	46085	6085	-0.558	0.18	-0.176	0.495	-1.249	36.807
46085_6086	46085	6086	0.558	16.414	0.176	-0.495	3.222	-127.731
46086_6086	46086	6086	-0.556	16.346	0.19	0.903	-3.222	127.583
46086_6087	46086	6087	0.556	0.247	-0.19	-0.903	1.09	-37.424
46087_6087	46087	6087	-0.556	-0.247	0.19	0.869	-1.09	37.425
46087_6088	46087	6088	0.556	16.842	-0.19	-0.869	-1.036	-133.133
46088_6088	46088	6088	-0.555	14.643	0.228	1.044	1.036	133.13
46088_6089	46088	6089	0.555	5.476	-0.228	-1.044	-4.13	-70.883
46089_6089	46089	6089	-0.555	-5.476	0.228	1.03	4.13	70.885
46089_6090	46089	6090	0.555	17.708	-0.228	-1.03	-6.01	-166.597
46090_6090	46090	6090	-0.554	18.564	-0.096	0.789	6.01	166.469
46090_6091	46090	6091	0.554	-1.158	0.096	-0.789	-4.885	-50.616
46091_6091	46091	6091	-0.554	1.158	-0.096	0.757	4.885	50.636
46091_6092	46091	6092	0.554	18.178	0.096	-0.757	-3.61	-163.403
46092_6092	46092	6092	-0.559	18.182	-1.316	0.398	3.61	163.244
46092_6093	46092	6093	0.559	0.056	1.316	-0.398	12.843	-49.978
46093_6093	46093	6093	-0.56	-0.056	-1.316	0.438	-12.843	49.977
46093_6094	46093	6094	0.56	18.293	1.316	-0.438	29.29	-164.633
46094_6094	46094	6094	-0.576	19.072	1.077	0.307	-29.29	164.638
46094_6095	46094	6095	0.576	-5.201	-1.077	-0.307	19.051	-49.273
46095_6095	46095	6095	-0.576	5.201	1.077	0.305	-19.051	49.276
46095_6096	46095	6096	0.576	6.101	-1.077	-0.305	10.709	-52.763
46096_6096	46096	6096	-0.576	-6.101	1.077	0.308	-10.709	52.763
46096_6097	46096	6097	0.576	17.417	-1.077	-0.308	2.357	-143.951
46097_6097	46097	6097	-0.569	18.068	0.059	0.115	-2.357	143.847
46097_6098	46097	6098	0.569	-6.403	-0.059	-0.115	1.885	-46.038
46098_6098	46098	6098	-0.569	6.403	0.06	0.175	-1.885	46.037
46098_6099	46098	6099	0.569	5.277	-0.06	-0.175	1.407	-41.53
46099_6099	46099	6099	-0.569	-5.277	0.059	0.121	-1.407	41.53
46099_6100	46099	6100	0.569	16.942	-0.059	-0.121	0.935	-130.336
46100_6100	46100	6100	-0.555	17.57	0.155	-0.038	-0.935	130.455
46100_6101	46100	6101	0.555	-8.81	-0.155	0.038	0.002	-51.274
46101_6101	46101	6101	-0.555	8.81	0.156	0.047	-0.002	51.274
46101_6102	46101	6102	0.555	-0.051	-0.156	-0.047	-0.935	-24.679
46102_6102	46102	6102	-0.555	0.051	0.155	0.006	0.935	24.679
46102_6103	46102	6103	0.555	8.709	-0.155	-0.006	-1.867	-50.667
46103_6103	46103	6103	-0.555	-8.709	0.156	0.088	1.867	50.667
46103_6104	46103	6104	0.555	17.454	-0.156	-0.088	-2.803	-129.062
46104_6104	46104	6104	-0.554	17.196	0.325	-0.113	2.803	129.066
46104_6105	46104	6105	0.554	-5.516	-0.325	0.113	-5.408	-38.176

46105_6105	46105	6105	-0.553	5.516	0.326	-0.066	5.408	38.176
46105_6106	46105	6106	0.553	6.163	-0.326	0.066	-8.019	-40.762
46106_6106	46106	6106	-0.553	-6.163	0.326	-0.067	8.019	40.762
46106_6107	46106	6107	0.553	17.827	-0.326	0.067	-10.625	-136.639
46107_6107	46107	6107	-0.558	17.221	-0.846	-0.277	10.625	136.663
46107_6108	46107	6108	0.558	-5.906	0.846	0.277	-4.066	-47.006
46108_6108	46108	6108	-0.558	5.906	-0.846	-0.277	4.066	47.006
46108_6109	46108	6109	0.558	5.408	0.846	0.277	2.494	-45.073
46109_6109	46109	6109	-0.559	-5.408	-0.845	-0.22	-2.494	45.072
46109_6110	46109	6110	0.559	19.262	0.845	0.22	10.52	-162.178
46110_6110	46110	6110	-0.548	19.035	1.069	-0.402	-10.52	162.185
46110_6111	46110	6111	0.548	-0.789	-1.069	0.402	-2.847	-38.247
46111_6111	46111	6111	-0.547	0.789	1.069	-0.371	2.847	38.247
46111_6112	46111	6112	0.547	17.457	-1.069	0.371	-16.218	-142.455
46112_6112	46112	6112	-0.567	14.388	-0.517	-0.759	16.218	142.359
46112_6113	46112	6113	0.567	4.939	0.517	0.759	-9.368	-79.788
46113_6113	46113	6113	-0.568	-4.939	-0.517	-0.578	9.368	79.777
46113_6114	46113	6114	0.568	22.051	0.517	0.578	-3.292	-238.387
46114_6114	46114	6114	-0.57	16.96	-0.559	-1.201	3.292	238.414
46114_6115	46114	6115	0.57	-4.946	0.559	1.201	1.324	-148.037
46115_6115	46115	6115	-0.57	4.946	-0.56	-1.27	-1.324	148.036
46115_6116	46115	6116	0.57	15.587	0.56	1.27	9.216	-223.074
46116_6116	46116	6116	-0.57	18.152	0.191	-0.852	-9.216	223.087
46116_6117	46116	6117	0.57	-1.843	-0.191	0.852	7.081	-111.096
46117_6117	46117	6117	-0.571	1.843	0.19	-0.951	-7.081	111.095
46117_6118	46117	6118	0.571	14.467	-0.19	0.951	4.952	-181.807
46118_6118	46118	6118	-0.57	17.007	-0.117	-0.395	-4.952	181.636
46118_6119	46118	6119	0.57	-0.698	0.117	0.395	6.264	-82.478
46119_6119	46119	6119	-0.57	0.698	-0.118	-0.469	-6.264	82.478
46119_6120	46119	6120	0.57	15.596	0.118	0.469	7.582	-165.84
46120_6120	46120	6120	-0.571	18.261	-0.01	0.234	-7.582	166.049
46120_6121	46120	6121	0.571	-0.729	0.01	-0.234	7.702	-51.719
46121_6121	46121	6121	-0.571	0.729	-0.01	0.19	-7.702	51.719
46121_6122	46121	6122	0.571	16.788	0.01	-0.19	7.828	-148.325
46122_6122	46122	6122	-0.571	16.848	0.037	0.864	-7.828	148.323
46122_6123	46122	6123	0.571	-0.541	-0.037	-0.864	7.416	-50.941
46123_6123	46123	6123	-0.571	0.541	0.036	0.819	-7.416	50.942
46123_6124	46123	6124	0.571	15.767	-0.036	-0.819	7.009	-136.216
46124_6124	46124	6124	-0.571	16.425	0.361	1.328	-7.009	136.222
46124_6125	46124	6125	0.571	-0.117	-0.361	-1.328	2.97	-43.58
46125_6125	46125	6125	-0.571	0.117	0.361	1.328	-2.97	43.58
46125_6126	46125	6126	0.571	16.19	-0.361	-1.328	-1.069	-133.592
46126_6126	46126	6126	-0.568	14.51	0.684	1.461	1.069	133.586
46126_6127	46126	6127	0.568	5.291	-0.684	-1.461	-10.377	-70.893
46127_6127	46127	6127	-0.569	-5.291	0.684	1.396	10.377	70.894
46127_6128	46127	6128	0.569	17.303	-0.684	-1.396	-16.019	-164.096
46128_6128	46128	6128	-0.569	18.45	-0.417	1.087	16.019	163.945
46128_6129	46128	6129	0.569	-1.342	0.417	-1.087	-11.113	-47.662
46129_6129	46129	6129	-0.57	1.342	-0.417	1.206	11.113	47.686
46129_6130	46129	6130	0.57	17.956	0.417	-1.206	-5.592	-157.754
46130_6130	46130	6130	-0.574	17.431	-0.446	0.534	5.592	157.597
46130_6131	46130	6131	0.574	0.775	0.446	-0.534	-0.016	-53.499
46131_6131	46131	6131	-0.574	-0.775	-0.446	0.534	0.016	53.499
46131_6132	46131	6132	0.574	18.981	0.446	-0.534	5.559	-176.975
46132_6132	46132	6132	-3.138	18.387	-0.093	0.607	-5.559	153.385

46132_6133	46132	6133	3.138	-4.55	0.093	-0.607	6.441	-44.434
46133_6133	46133	6133	-3.138	4.55	-0.09	0.644	-6.441	44.433
46133_6134	46133	6134	3.138	6.737	0.09	-0.644	7.14	-52.908
46134_6134	46134	6134	-3.138	-6.737	-0.094	0.575	-7.14	52.909
46134_6135	46134	6135	3.138	18.025	0.094	-0.575	7.87	-148.863
46135_6135	46135	6135	-3.116	18.386	0.675	0.242	-7.87	149.05
46135_6136	46135	6136	3.116	-6.734	-0.675	-0.242	2.472	-48.565
46136_6136	46136	6136	-3.115	6.734	0.679	0.302	-2.472	48.565
46136_6137	46136	6137	3.115	4.918	-0.679	-0.302	-2.956	-41.301
46137_6137	46137	6137	-3.116	-4.918	0.675	0.251	2.956	41.302
46137_6138	46137	6138	3.116	16.57	-0.675	-0.251	-8.354	-127.259
46138_6138	46138	6138	-3.113	17.442	-0.073	0.228	8.354	127.157
46138_6139	46138	6139	3.113	-8.703	0.073	-0.228	-7.918	-48.718
46139_6139	46139	6139	-3.113	8.703	-0.067	0.309	7.918	48.718
46139_6140	46139	6140	3.113	0.036	0.067	-0.309	-7.513	-22.715
46140_6140	46140	6140	-3.113	-0.036	-0.073	0.271	7.513	22.716
46140_6141	46140	6141	3.113	8.775	0.073	-0.271	-7.077	-49.149
46141_6141	46141	6141	-3.113	-8.775	-0.073	0.271	7.077	49.149
46141_6142	46141	6142	3.113	17.514	0.073	-0.271	-6.641	-128.019
46142_6142	46142	6142	-3.114	17.068	0.236	0.108	6.641	127.928
46142_6143	46142	6143	3.114	-5.416	-0.236	-0.108	-8.532	-37.989
46143_6143	46143	6143	-3.114	5.416	0.24	0.155	8.532	37.988
46143_6144	46143	6144	3.114	6.236	-0.24	-0.155	-10.453	-41.269
46144_6144	46144	6144	-3.114	-6.236	0.236	0.104	10.453	41.269
46144_6145	46144	6145	3.114	17.888	-0.236	-0.104	-12.344	-137.771
46145_6145	46145	6145	-3.108	17.057	-1.11	0.004	12.344	137.656
46145_6146	46145	6146	3.108	-5.769	1.11	-0.004	-3.742	-49.205
46146_6146	46146	6146	-3.107	5.769	-1.114	-0.06	3.742	49.205
46146_6147	46146	6147	3.107	5.519	1.114	0.06	4.892	-48.238
46147_6147	46147	6147	-3.109	-5.519	-1.109	0.027	-4.892	48.234
46147_6148	46147	6148	3.109	19.356	1.109	-0.027	15.425	-166.396
46148_6148	46148	6148	-3.111	19.315	1.272	-0.135	-15.425	166.305
46148_6149	46148	6149	3.111	-1.109	-1.272	0.135	-0.475	-38.65
46149_6149	46149	6149	-3.11	1.109	1.274	-0.104	0.475	38.65
46149_6150	46149	6150	3.11	17.098	-1.274	0.104	-16.406	-138.584
46150_6150	46150	6150	-3.107	13.812	-0.311	-0.519	16.406	138.46
46150_6151	46150	6151	3.107	5.487	0.311	0.519	-12.288	-83.309
46151_6151	46151	6151	-3.107	-5.487	-0.309	-0.403	12.288	82.264
46151_6152	46151	6152	3.107	23.338	0.309	0.403	-8.66	-251.617
46152_6152	46152	6152	-3.106	17.142	-0.556	-1.009	8.66	251.478
46152_6153	46152	6153	3.106	-4.623	0.556	1.009	-4.075	-161.804
46153_6153	46153	6153	-3.106	4.623	-0.555	-0.926	4.075	161.797
46153_6154	46153	6154	3.106	16.266	0.555	0.926	3.555	-241.845
46154_6154	46154	6154	-3.109	18.725	-0.219	-0.678	-3.555	241.847
46154_6155	46154	6155	3.109	-2.013	0.219	0.678	5.962	-127.786
46155_6155	46155	6155	-3.109	2.013	-0.219	-0.678	-5.962	127.786
46155_6156	46155	6156	3.109	14.698	0.219	0.678	8.369	-197.557
46156_6156	46156	6156	-3.109	16.551	-0.112	-0.145	-8.369	197.561
46156_6157	46156	6157	3.109	-1.358	0.112	0.145	9.494	-108.012
46157_6157	46157	6157	-3.109	1.358	-0.116	-0.252	-9.494	108.012
46157_6158	46157	6158	3.109	13.849	0.116	0.252	10.651	-170.53
46158_6158	46158	6158	-3.11	15.259	0.119	0.296	-10.651	170.392
46158_6159	46158	6159	3.11	-0.067	-0.119	-0.296	9.464	-93.76
46159_6159	46159	6159	-3.11	0.067	0.119	0.296	-9.464	93.76
46159_6160	46159	6160	3.11	15.14	-0.119	-0.296	8.276	-169.206

46160_6160	46160	6160	-3.112	16.731	0.336	0.735	-8.276	169.21
46160_6161	46160	6161	3.112	-0.019	-0.336	-0.735	4.579	-77.081
46161_6161	46161	6161	-3.112	0.019	0.336	0.735	-4.579	77.081
46161_6162	46161	6162	3.112	16.692	-0.336	-0.735	0.882	-168.784
46162_6162	46162	6162	-3.111	15.553	0.228	1.022	-0.882	168.786
46162_6163	46162	6163	3.111	5.321	-0.228	-1.022	-2.246	-98.493
46163_6163	46163	6163	-3.111	-5.321	0.226	0.974	2.246	98.485
46163_6164	46163	6164	3.111	17.855	-0.226	-0.974	-4.112	-194.09
46164_6164	46164	6164	-3.114	19.463	0.562	0.661	4.112	194.197
46164_6165	46164	6165	3.114	-1.612	-0.562	-0.661	-10.713	-70.378
46165_6165	46165	6165	-3.113	1.612	0.565	0.718	10.713	70.72
46165_6166	46165	6166	3.113	19.054	-0.565	-0.718	-18.196	-186.277
46166_6166	46166	6166	-3.092	19.209	-1.941	0.304	18.196	186.276
46166_6167	46166	6167	3.092	0.288	1.941	-0.304	6.068	-68.015
46167_6167	46167	6167	-3.093	-0.288	-1.939	0.359	-6.068	68.015
46167_6168	46167	6168	3.093	19.784	1.939	-0.359	30.301	-193.47
46168_6168	46168	6168	-3.122	20.378	1.579	0.225	-30.301	193.47
46168_6169	46168	6169	3.122	-5.561	-1.579	-0.225	15.299	-70.258
46169_6169	46169	6169	-3.121	5.561	1.581	0.268	-15.299	70.253
46169_6170	46169	6170	3.121	6.527	-1.581	-0.268	3.043	-74
46170_6170	46170	6170	-3.121	-6.527	1.581	0.268	-3.043	74
46170_6171	46170	6171	3.121	18.615	-1.581	-0.268	-9.213	-171.429
46171_6171	46171	6171	-3.122	19.573	0.005	0.096	9.213	171.3
46171_6172	46171	6172	3.122	-7.095	-0.005	-0.096	-9.249	-64.625
46172_6172	46172	6172	-3.122	7.095	0.008	0.177	9.249	64.625
46172_6173	46172	6173	3.122	5.383	-0.008	-0.177	-9.316	-57.776
46173_6173	46173	6173	-3.122	-5.383	0.005	0.105	9.316	57.776
46173_6174	46173	6174	3.122	17.861	-0.005	-0.105	-9.352	-150.754
46174_6174	46174	6174	-3.122	18.834	0.103	0.03	9.352	150.668
46174_6175	46174	6175	3.122	-9.475	-0.103	-0.03	-9.97	-65.737
46175_6175	46175	6175	-3.122	9.475	0.103	0.03	9.97	65.737
46175_6176	46175	6176	3.122	-0.117	-0.103	-0.03	-10.588	-36.958
46176_6176	46176	6176	-3.122	0.117	0.103	0.03	10.588	36.958
46176_6177	46176	6177	3.122	9.241	-0.103	-0.03	-11.206	-64.331
46177_6177	46177	6177	-3.122	-9.241	0.103	0.03	11.206	64.331
46177_6178	46177	6178	3.122	18.6	-0.103	-0.03	-11.823	-147.856
46178_6178	46178	6178	-3.123	18.334	0.355	-0.06	11.823	147.77
46178_6179	46178	6179	3.123	-5.856	-0.355	0.06	-14.665	-51.006
46179_6179	46179	6179	-3.124	5.856	0.351	-0.123	14.665	51.006
46179_6180	46179	6180	3.124	6.622	-0.351	0.123	-17.476	-54.067
46180_6180	46180	6180	-3.123	-6.622	0.355	-0.056	17.476	54.067
46180_6181	46180	6181	3.123	19.099	-0.355	0.056	-20.318	-156.953
46181_6181	46181	6181	-3.118	18.272	-1.72	-0.221	20.318	156.826
46181_6182	46181	6182	3.118	-6.184	1.72	0.221	-6.989	-62.057
46182_6182	46182	6182	-3.12	6.184	-1.716	-0.141	6.989	62.057
46182_6183	46182	6183	3.12	5.904	1.716	0.141	6.309	-60.972
46183_6183	46183	6183	-3.119	-5.904	-1.718	-0.174	-6.309	60.966
46183_6184	46183	6184	3.119	20.721	1.718	0.174	22.629	-187.44
46184_6184	46184	6184	-3.154	20.599	1.935	-0.239	-22.629	187.284
46184_6185	46184	6185	3.154	-1.103	-1.935	0.239	-1.559	-51.642
46185_6185	46185	6185	-3.154	1.103	1.935	-0.239	1.559	51.642
46185_6186	46185	6186	3.154	18.378	-1.935	0.239	-25.728	-159.531
46186_6186	46186	6186	-3.123	15.717	-0.483	-0.562	25.728	159.661
46186_6187	46186	6187	3.123	4.95	0.483	0.562	-19.333	-88.329
46187_6187	46187	6187	-3.123	-4.95	-0.483	-0.599	19.333	87.615

46187_6188	46187	6188	3.123	24.066	0.483	0.599	-13.655	-258.09
46188_6188	46188	6188	-3.12	19.339	-1.024	-1.219	13.655	258.222
46188_6189	46188	6189	3.12	-5.917	1.024	1.219	-5.208	-154.038
46189_6189	46189	6189	-3.118	5.917	-1.028	-1.455	5.208	154.056
46189_6190	46189	6190	3.118	16.453	1.028	1.455	8.932	-226.495
46190_6190	46190	6190	-3.122	19.474	-0.606	-1.133	-8.932	226.497
46190_6191	46190	6191	3.122	-1.578	0.606	1.133	15.597	-110.707
46191_6191	46191	6191	-3.122	1.578	-0.606	-1.133	-15.597	110.707
46191_6192	46191	6192	3.122	16.318	0.606	1.133	22.262	-191.781
46192_6192	46192	6192	-3.125	17.461	-0.214	-0.54	-22.262	191.785
46192_6193	46192	6193	3.125	-1.192	0.214	0.54	24.406	-98.52
46193_6193	46193	6193	-3.125	1.192	-0.214	-0.539	-24.406	98.52
46193_6194	46193	6194	3.125	15.094	0.214	0.539	26.552	-168.103
46194_6194	46194	6194	-3.134	16.147	0.682	0.122	-26.552	168.111
46194_6195	46194	6195	3.134	0.139	-0.682	-0.122	19.729	-87.986
46195_6195	46195	6195	-3.134	-0.139	0.682	0.122	-19.729	87.986
46195_6196	46195	6196	3.134	16.424	-0.682	-0.122	12.905	-170.884
46196_6196	46196	6196	-3.121	17.754	-0.224	0.858	-12.905	170.895
46196_6197	46196	6197	3.121	0.142	0.224	-0.858	15.372	-74.022
46197_6197	46197	6197	-3.121	-0.142	-0.224	0.858	-15.372	74.022
46197_6198	46197	6198	3.121	18.038	0.224	-0.858	17.839	-174.014
46198_6198	46198	6198	-3.126	16.501	0.075	1.175	-17.839	174.02
46198_6199	46198	6199	3.126	5.853	-0.075	-1.175	16.806	-100.859
46199_6199	46199	6199	-3.126	-5.853	0.08	1.322	-16.806	100.851
46199_6200	46199	6200	3.126	19.275	-0.08	-1.322	16.148	-204.503
46200_6200	46200	6200	-3.125	20.994	0.005	1.097	-16.148	204.505
46200_6201	46200	6201	3.125	-1.878	-0.005	-1.097	16.085	-70.126
46201_6201	46201	6201	-3.125	1.878	0.006	1.091	-16.085	70.391
46201_6202	46201	6202	3.125	20.522	-0.006	-1.091	16.006	-193.909
46202_6202	46202	6202	-3.096	20.708	-2.044	0.816	-16.006	193.904
46202_6203	46202	6203	3.096	0.423	2.044	-0.816	41.557	-67.119
46203_6203	46203	6203	-3.096	-0.423	-2.044	0.816	-41.557	67.119
46203_6204	46203	6204	3.096	21.555	2.044	-0.816	67.108	-204.486
46204_6204	46204	6204	-3.149	22.043	1.709	0.932	-67.108	204.489
46204_6205	46204	6205	3.149	-5.983	-1.709	-0.932	50.874	-71.361
46205_6205	46205	6205	-3.148	5.983	1.711	0.969	-50.874	71.35
46205_6206	46205	6206	3.148	7.119	-1.711	-0.969	37.614	-75.751
46206_6206	46206	6206	-3.15	-7.119	1.707	0.872	-37.614	75.752
46206_6207	46206	6207	3.15	20.22	-1.707	-0.872	24.386	-181.694
46207_6207	46207	6207	-3.134	20.995	0.726	0.876	-24.386	181.69
46207_6208	46207	6208	3.134	-7.471	-0.726	-0.876	18.576	-67.823
46208_6208	46208	6208	-3.135	7.471	0.722	0.791	-18.576	67.824
46208_6209	46208	6209	3.135	6.053	-0.722	-0.791	12.799	-62.154
46209_6209	46209	6209	-3.134	-6.053	0.726	0.869	-12.799	62.153
46209_6210	46209	6210	3.134	19.578	-0.726	-0.869	6.99	-164.68
46210_6210	46210	6210	-3.137	20.384	0.836	0.778	-6.99	164.68
46210_6211	46210	6211	3.137	-10.241	-0.836	-0.778	1.975	-72.802
46211_6211	46211	6211	-3.137	10.241	0.836	0.778	-1.975	72.802
46211_6212	46211	6212	3.137	-0.098	-0.836	-0.778	-3.04	-41.784
46212_6212	46212	6212	-3.137	0.098	0.836	0.778	3.04	41.784
46212_6213	46212	6213	3.137	10.045	-0.836	-0.778	-8.055	-71.628
46213_6213	46213	6213	-3.137	-10.045	0.836	0.778	8.055	71.628
46213_6214	46213	6214	3.137	20.188	-0.836	-0.778	-13.069	-162.332
46214_6214	46214	6214	-3.135	19.966	0.861	0.75	13.069	162.326
46214_6215	46214	6215	3.135	-6.442	-0.861	-0.75	-19.956	-56.691

46215_6215	46215	6215	-3.135	6.442	0.861	0.75	19.956	56.691
46215_6216	46215	6216	3.135	7.082	-0.861	-0.75	-26.842	-59.249
46216_6216	46216	6216	-3.135	-7.082	0.861	0.75	26.842	59.249
46216_6217	46216	6217	3.135	20.606	-0.861	-0.75	-33.728	-170.002
46217_6217	46217	6217	-3.102	19.872	-1.683	0.727	33.728	170
46217_6218	46217	6218	3.102	-6.77	1.683	-0.727	-20.686	-66.76
46218_6218	46218	6218	-3.104	6.77	-1.679	0.813	20.686	66.759
46218_6219	46218	6219	3.104	6.331	1.679	-0.813	-7.675	-65.059
46219_6219	46219	6219	-3.104	-6.331	-1.678	0.825	7.675	65.056
46219_6220	46219	6220	3.104	22.374	1.678	-0.825	8.253	-201.266
46220_6220	46220	6220	-3.149	22.368	2.118	0.607	-8.253	201.277
46220_6221	46220	6221	3.149	-1.235	-2.118	-0.607	-18.23	-53.738
46221_6221	46221	6221	-3.149	1.235	2.118	0.607	18.23	53.738
46221_6222	46221	6222	3.149	19.898	-2.118	-0.607	-44.714	-170.395
46222_6222	46222	6222	-3.193	17.301	-2.347	0.647	44.714	170.381
46222_6223	46222	6223	3.193	5.101	2.347	-0.647	-13.619	-89.548
46223_6223	46223	6223	-3.192	-5.101	-2.348	1.254	13.619	88.257
46223_6224	46223	6224	3.192	25.806	2.348	-1.254	13.976	-269.858
46224_6224	46224	6224	-3.139	21.691	1.515	-0.029	-13.976	269.77
46224_6225	46224	6225	3.139	-7.167	-1.515	0.029	1.491	-150.829
46225_6225	46225	6225	-3.137	7.167	1.518	0.119	-1.491	150.815
46225_6226	46225	6226	3.137	19.626	-1.518	-0.119	-21.589	-245.546
46226_6226	46226	6226	-3.142	21.946	0.168	0.175	21.589	245.64
46226_6227	46226	6227	3.142	-1.27	-0.168	-0.175	-23.558	-109.426
46227_6227	46227	6227	-3.141	1.27	0.189	0.92	23.558	109.422
46227_6228	46227	6228	3.141	19.411	-0.189	-0.92	-25.779	-215.883
46228_6228	46228	6228	-3.147	21.018	2.296	-0.009	25.779	215.83
46228_6229	46228	6229	3.147	-0.351	-2.296	0.009	-52.714	-90.5
46229_6229	46229	6229	-3.145	0.351	2.299	0.064	52.714	90.5
46229_6230	46229	6230	3.145	20.335	-2.299	-0.064	-79.704	-207.809
46230_6230	46230	6230	-2.908	21.457	-7.598	0.687	79.704	207.729
46230_6231	46230	6231	2.908	-0.048	7.598	-0.687	12.609	-77.081
46231_6231	46231	6231	-2.971	0.048	-7.573	1.321	-12.609	77.073
46231_6232	46231	6232	2.971	21.368	7.573	-1.321	104.664	-206.64
46232_6232	46232	6232	-3.3	21.26	12.636	-1.636	-104.664	206.689
46232_6233	46232	6233	3.3	0.815	-12.636	1.636	-53.642	-78.613
46233_6233	46233	6233	-3.304	-0.815	12.635	-1.758	53.642	78.592
46233_6234	46233	6234	3.304	20.401	-12.635	1.758	-194.092	-196.51
46234_6234	46234	6234	0.348	19.837	-17.246	1.162	194.092	198.992
46234_6235	46234	6235	-0.348	-1.891	17.246	-1.162	-18.442	-88.343
46235_6235	46235	6235	0.097	1.891	-17.249	2.173	18.442	88.25
46235_6236	46235	6236	-0.097	16.691	17.249	-2.173	152.728	-161.679
46236_6236	46236	6236	-0.969	17.059	11.091	-0.67	-152.728	161.768
46236_6237	46236	6237	0.969	0.939	-11.091	0.67	46.13	-84.304
46237_6237	46237	6237	-0.957	-0.939	11.092	-0.58	-46.13	84.305
46237_6238	46237	6238	0.957	20.59	-11.092	0.58	-70.27	-197.27
46238_6238	46238	6238	-0.117	23.425	-2.503	0.334	70.27	197.442
46238_6239	46238	6239	0.117	0.055	2.503	-0.334	-38.884	-50.929
46239_6239	46239	6239	-0.132	-0.055	-2.502	0.643	38.884	50.927
46239_6240	46239	6240	0.132	22.456	2.502	-0.643	-8.949	-185.568
46240_6240	46240	6240	-0.259	20.571	-0.298	0.142	8.949	185.477
46240_6241	46240	6241	0.259	-1.877	0.298	-0.142	-5.976	-73.43
46241_6241	46241	6241	-0.259	1.877	-0.297	0.282	5.976	73.43
46241_6242	46241	6242	0.259	16.162	0.297	-0.282	-3.112	-142.235
46242_6242	46242	6242	-0.302	17.848	0.646	0.093	3.112	142.295

46242_6243	46242	6243	0.302	1.336	-0.646	-0.093	-9.734	-57.716
46243_6243	46243	6243	-0.302	-1.336	0.646	0.098	9.734	57.716
46243_6244	46243	6244	0.302	18.904	-0.646	-0.098	-15.799	-152.656
46244_6244	46244	6244	-0.259	19.033	-0.308	0.063	15.799	152.612
46244_6245	46244	6245	0.259	-1.532	0.308	-0.063	-12.924	-56.511
46245_6245	46245	6245	-0.262	1.532	-0.305	0.55	12.924	56.509
46245_6246	46245	6246	0.262	17.714	0.305	-0.55	-9.786	-139.666
46246_6246	46246	6246	-0.336	16.1	1.944	0.105	9.786	139.667
46246_6247	46246	6247	0.336	2.714	-1.944	-0.105	-29.315	-72.425
46247_6247	46247	6247	-0.337	-2.714	1.944	0.072	29.315	72.425
46247_6248	46247	6248	0.337	20.643	-1.944	-0.072	-47.923	-184.236
46248_6248	46248	6248	-0.163	22.289	-3.155	-0.056	47.923	184.302
46248_6249	46248	6249	0.163	2.562	3.155	0.056	-6.055	-53.408
46249_6249	46249	6249	-0.21	-2.562	-3.152	0.748	6.055	53.403
46249_6250	46249	6250	0.21	23.589	3.152	-0.748	29.339	-200.223
46250_6250	46250	6250	-0.244	21.877	2.292	0.317	-29.339	200.22
46250_6251	46250	6251	0.244	0.676	-2.292	-0.317	1.735	-72.548
46251_6251	46251	6251	-0.246	-0.676	2.292	0.258	-1.735	72.548
46251_6252	46251	6252	0.246	18.61	-2.292	-0.258	-20.214	-164.906
46252_6252	46252	6252	-0.202	18.711	-0.307	0.703	20.214	164.887
46252_6253	46252	6253	0.202	2.863	0.307	-0.703	-16.673	-73.59
46253_6253	46253	6253	-0.204	-2.863	-0.306	1.056	16.673	73.586
46253_6254	46253	6254	0.204	21.772	0.306	-1.056	-13.579	-197.97
46254_6254	46254	6254	-0.212	19.136	0.289	-2.36	13.579	197.693
46254_6255	46254	6255	0.212	2.992	-0.289	2.36	-16.817	-107.313
46255_6255	46255	6255	-0.212	-2.992	0.289	-2.373	16.817	107.313
46255_6256	46255	6256	0.212	29.281	-0.289	2.373	-20.665	-321.973
46256_6256	46256	6256	-0.207	23.753	-1.541	-2.56	20.665	322.009
46256_6257	46256	6257	0.207	-1.027	1.541	2.56	-2.946	-179.531
46257_6257	46257	6257	-0.218	1.027	-1.539	-1.25	2.946	179.544
46257_6258	46257	6258	0.218	21.799	1.539	1.25	14.833	-299.507
46258_6258	46258	6258	-0.228	21.447	-2.109	-2.253	-14.833	299.695
46258_6259	46258	6259	0.228	1.673	2.109	2.253	39.501	-184.029
46259_6259	46259	6259	-0.23	-1.673	-2.109	-2.146	-39.501	184.03
46259_6260	46259	6260	0.23	24.116	2.109	2.146	63.446	-330.46
46260_6260	46260	6260	-0.236	20.614	-2.349	-3.997	-63.446	330.636
46260_6261	46260	6261	0.236	2.114	2.349	3.997	90.464	-224.257
46261_6261	46261	6261	-0.259	-2.114	-2.347	-1.798	-90.464	224.286
46261_6262	46261	6262	0.259	24.954	2.347	1.798	117.588	-380.702
46262_6262	46262	6262	-0.332	23.616	-5.89	-3.464	-117.588	380.626
46262_6263	46262	6263	0.332	-1.254	5.89	3.464	184.24	-239.918
46263_6263	46263	6263	-0.328	1.254	-5.891	-3.604	-184.24	239.914
46263_6264	46263	6264	0.328	23.884	5.891	3.604	259.168	-383.835
46264_6264	46264	6264	-0.286	27.432	-2.795	-1.584	-259.168	383.988
46264_6265	46264	6265	0.286	-1.322	2.795	1.584	296.093	-194.041
46265_6265	46265	6265	-0.29	1.322	-2.795	-1.305	-296.093	194.043
46265_6266	46265	6266	0.29	21.411	2.795	1.305	328.24	-309.586
46266_6266	46266	6266	0.288	23.715	15.43	-0.342	-328.24	309.563
46266_6267	46266	6267	-0.288	-2.714	-15.43	0.342	164.267	-169.132
46267_6267	46267	6267	0.325	2.714	15.429	0.065	-164.267	169.133
46267_6268	46267	6268	-0.325	14.226	-15.429	-0.065	32.009	-218.472
46268_6268	46268	6268	0.003	20.867	0.791	0.754	-32.009	218.746
46268_6269	46268	6269	-0.003	4.532	-0.791	-0.754	22.001	-115.419
46269_6269	46269	6269	0.002	-4.532	0.791	0.706	-22.001	115.419
46269_6270	46269	6270	-0.002	26.406	-0.791	-0.706	13.383	-283.952

46270_6270	46270	6270	0.003	35.905	0.558	0.536	-13.383	283.87
46270_6271	46270	6271	-0.003	-12.472	-0.558	-0.536	6.865	-1.566
46271_6271	46271	6271	0.01	12.472	0.558	0.555	-6.865	1.56
46271_6272	46271	6272	-0.01	12.215	-0.558	-0.555	0	0.025
46372_6372	46372	6372	-0.027	8.794	-0.788	0.297	0	-0.055
46372_6373	46372	6373	0.027	9.705	0.788	-0.297	9.755	-5.583
46373_6373	46373	6373	-0.028	-9.705	-0.788	0.299	-9.755	5.583
46373_6374	46373	6374	0.028	27.065	0.788	-0.299	18.909	-219.184
46374_6374	46374	6374	0.008	19.541	1.056	0.634	-18.909	219.176
46374_6375	46374	6375	-0.008	-2.987	-1.056	-0.634	7.214	-94.38
46375_6375	46375	6375	0.007	2.987	1.056	0.553	-7.214	94.381
46375_6376	46375	6376	-0.007	11.89	-1.056	-0.553	-3.297	-138.705
46376_6376	46376	6376	0.014	13.925	0.508	0.141	3.297	138.684
46376_6377	46376	6377	-0.014	3.587	-0.508	-0.141	-9.256	-78.101
46377_6377	46377	6377	0.02	-3.587	0.508	1.093	9.256	78.094
46377_6378	46377	6378	-0.02	20.577	-0.508	-1.093	-15.035	-215.477
46378_6378	46378	6378	-0.245	19.565	-0.225	0.232	15.035	214.514
46378_6379	46378	6379	0.245	0.042	0.225	-0.232	-12.077	-86.416
46379_6379	46379	6379	-0.245	-0.042	-0.225	0.253	12.077	86.416
46379_6380	46379	6380	0.245	16.018	0.225	-0.253	-9.668	-172.277
46380_6380	46380	6380	-0.252	15.796	-0.403	0.172	9.668	172.143
46380_6381	46380	6381	0.252	0.316	0.403	-0.172	-5.317	-88.684
46381_6381	46381	6381	-0.255	-0.316	-0.402	0.775	5.317	88.681
46381_6382	46381	6382	0.255	14.769	0.402	-0.775	-1.431	-161.639
46382_6382	46382	6382	-0.258	18.108	-0.017	0.64	1.431	162.136
46382_6383	46382	6383	0.258	-0.961	0.017	-0.64	-1.239	-52.722
46383_6383	46383	6383	-0.258	0.961	-0.017	0.615	1.239	52.722
46383_6384	46383	6384	0.258	16.291	0.017	-0.615	-1.044	-141.22
46384_6384	46384	6384	-0.263	17.711	-0.555	1.047	1.044	141.072
46384_6385	46384	6385	0.263	-1.465	0.555	-1.047	5.039	-35.951
46385_6385	46385	6385	-0.263	1.465	-0.555	1.024	-5.039	35.952
46385_6386	46385	6386	0.263	15.643	0.555	-1.024	11.448	-117.802
46386_6386	46386	6386	-0.256	17.888	0.224	0.924	-11.448	117.772
46386_6387	46386	6387	0.256	-0.826	-0.224	-0.924	8.866	-10.024
46387_6387	46387	6387	-0.254	0.826	0.226	1.002	-8.866	10.016
46387_6388	46387	6388	0.254	17.655	-0.226	-1.002	6.046	-114.959
46388_6388	46388	6388	-0.25	17.9	0.482	1.06	-6.046	115.056
46388_6389	46388	6389	0.25	0.476	-0.482	-1.06	0.067	-7.01
46389_6389	46389	6389	-0.25	-0.476	0.482	1.055	-0.067	7.01
46389_6390	46389	6390	0.25	17.63	-0.482	-1.055	-5.512	-111.812
46390_6390	46390	6390	-0.247	17.652	0.444	0.942	5.512	111.85
46390_6391	46390	6391	0.247	1.517	-0.444	-0.942	-11.25	-7.482
46391_6391	46391	6391	-0.244	-1.517	0.445	0.994	11.25	7.475
46391_6392	46391	6392	0.244	17.876	-0.445	-0.994	-16.166	-114.531
46392_6392	46392	6392	-0.25	17.273	-0.015	0.846	16.166	114.568
46392_6393	46392	6393	0.25	0.355	0.015	-0.846	-15.983	-13.932
46393_6393	46393	6393	-0.25	-0.355	-0.015	0.851	15.983	13.932
46393_6394	46393	6394	0.25	18.259	0.015	-0.851	-15.799	-126.389
46394_6394	46394	6394	-0.234	17.419	1.54	0.573	15.799	125.931
46394_6395	46394	6395	0.234	0.174	-1.54	-0.573	-34.085	-23.562
46395_6395	46395	6395	-0.221	-0.174	1.542	0.762	34.085	23.556
46395_6396	46395	6396	0.221	18.096	-1.542	-0.762	-52.735	-134.039
46396_6396	46396	6396	-0.272	15.472	-2.797	0.273	52.735	134.104
46396_6397	46396	6397	0.272	2.37	2.797	-0.273	-19.061	-55.222
46397_6397	46397	6397	-0.275	-2.37	-2.796	0.316	19.061	55.222

46397_6398	46397	6398	0.275	20.047	2.796	-0.316	14.299	-188.941
46398_6398	46398	6398	-0.267	24.261	0.712	1.03	-14.299	188.962
46398_6399	46398	6399	0.267	-5.647	-0.712	-1.03	5.361	-1.103
46399_6399	46399	6399	-0.245	5.647	0.719	1.063	-5.361	1.071
46399_6400	46399	6400	0.245	5.395	-0.719	-1.063	0	-0.131
46572_6572	46572	6572	-0.011	8.706	-0.093	0.559	0	-0.102
46572_6573	46572	6573	0.011	9.802	0.093	-0.559	1.148	-6.681
46573_6573	46573	6573	-0.011	-9.802	-0.093	0.56	-1.148	6.681
46573_6574	46573	6574	0.011	27.047	0.093	-0.56	2.218	-219.326
46574_6574	46574	6574	-0.001	19.67	-0.114	0.33	-2.218	219.282
46574_6575	46574	6575	0.001	-3.4	0.114	-0.33	3.454	-93.682
46575_6575	46575	6575	-0.001	3.4	-0.114	0.325	-3.454	93.682
46575_6576	46575	6576	0.001	11.301	0.114	-0.325	4.571	-132.551
46576_6576	46576	6576	-0.015	13.328	0.957	-0.114	-4.571	132.495
46576_6577	46576	6577	0.015	4.357	-0.957	0.114	-6.75	-79.408
46577_6577	46577	6577	-0.002	-4.357	0.957	0.929	6.75	79.403
46577_6578	46577	6578	0.002	21.509	-0.957	-0.929	-17.732	-227.858
46578_6578	46578	6578	0.219	20.546	-0.36	0.173	17.732	229.705
46578_6579	46578	6579	-0.219	-1.299	0.36	-0.173	-13.095	-89.004
46579_6579	46579	6579	0.219	1.299	-0.36	0.214	13.095	89.004
46579_6580	46579	6580	-0.219	14.912	0.36	-0.214	-9.187	-162.847
46580_6580	46580	6580	0.226	15.567	-0.2	-0.138	9.187	162.988
46580_6581	46580	6581	-0.226	0.307	0.2	0.138	-7.065	-81.922
46581_6581	46581	6581	0.224	-0.307	-0.201	0.479	7.065	81.921
46581_6582	46581	6582	-0.224	14.922	0.201	-0.479	-5.094	-156.399
46582_6582	46582	6582	0.227	17.772	-0.206	0.208	5.094	156.114
46582_6583	46582	6583	-0.227	-1.035	0.206	-0.208	-2.788	-50.782
46583_6583	46583	6583	0.227	1.035	-0.206	0.261	2.788	50.782
46583_6584	46583	6584	-0.227	16.44	0.206	-0.261	-0.377	-140.869
46584_6584	46584	6584	0.208	17.875	-1.045	0.391	0.377	141.18
46584_6585	46584	6585	-0.208	-1.853	1.045	-0.391	10.922	-34.52
46585_6585	46585	6585	0.208	1.853	-1.045	0.392	-10.922	34.52
46585_6586	46585	6586	-0.208	15.384	1.045	-0.392	23.078	-113.224
46586_6586	46586	6586	0.232	17.711	0.798	0.722	-23.078	113.408
46586_6587	46586	6587	-0.232	-0.85	-0.798	-0.722	13.997	-7.806
46587_6587	46587	6587	0.237	0.85	0.797	0.771	-13.997	7.802
46587_6588	46587	6588	-0.237	17.727	-0.797	-0.771	4.009	-113.593
46588_6588	46588	6588	0.226	17.754	0.173	0.935	-4.009	113.136
46588_6589	46588	6589	-0.226	0.446	-0.173	-0.935	1.89	-6.84
46589_6589	46589	6589	0.226	-0.446	0.173	0.932	-1.89	6.841
46589_6590	46589	6590	-0.226	17.668	-0.173	-0.932	-0.117	-112.104
46590_6590	46590	6590	0.233	17.554	0.482	1.034	0.117	111.713
46590_6591	46590	6591	-0.233	1.5	-0.482	-1.034	-6.313	-8.492
46591_6591	46591	6591	0.237	-1.5	0.48	1.097	6.313	8.484
46591_6592	46591	6592	-0.237	17.852	-0.48	-1.097	-11.612	-115.267
46592_6592	46592	6592	0.234	17.3	0.281	1.159	11.612	115.975
46592_6593	46592	6593	-0.234	0.091	-0.281	-1.159	-14.911	-14.989
46593_6593	46593	6593	0.234	-0.091	0.281	1.162	14.911	14.989
46593_6594	46593	6594	-0.234	18.125	-0.281	-1.162	-18.331	-125.839
46594_6594	46594	6594	0.239	17.067	0.492	1.041	18.331	125.846
46594_6595	46594	6595	-0.239	0.533	-0.492	-1.041	-24.175	-27.657
46595_6595	46595	6595	0.242	-0.533	0.49	1.244	24.175	27.648
46595_6596	46595	6596	-0.242	18.337	-0.49	-1.244	-30.065	-141.009
46596_6596	46596	6596	0.227	16.316	-0.641	1.204	30.065	141.217
46596_6597	46596	6597	-0.227	1.491	0.641	-1.204	-22.362	-52.134

46597_6597	46597	6597	0.228	-1.491	-0.641	1.183	22.362	52.135
46597_6598	46597	6598	-0.228	19.096	0.641	-1.183	-14.746	-174.439
46598_6598	46598	6598	0.228	22.81	-0.882	1.018	14.746	174.439
46598_6599	46598	6599	-0.228	-4.249	0.882	-1.018	-3.701	-4.964
46599_6599	46599	6599	0.226	4.249	-0.882	1.028	3.701	4.962
46599_6600	46599	6600	-0.226	1.967	0.882	-1.028	0	-0.175
47000_7000	47000	7000	0.102	450.517	7.117	-0.619	0	-5.196
47000_7001	47000	7001	-0.102	-419.879	-7.117	0.619	-74.772	4577.561
47001_7001	47001	7001	0.102	419.879	7.117	-0.596	74.772	-4577.56
47001_7002	47001	7002	-0.102	-392.479	-7.117	0.596	-141.644	8394.113
47002_7002	47002	7002	0.058	335.634	-6.284	5.792	141.644	-8394.12
47002_7003	47002	7003	-0.058	-300.328	6.284	-5.792	-65.555	12244.08
47003_7003	47003	7003	0.052	300.328	-6.284	-5.567	65.555	-12244.1
47003_7004	47003	7004	-0.052	-264.997	6.284	5.567	10.588	15668.85
47004_7004	47004	7004	0.07	220.314	0.271	15.49	-10.588	-15668.9
47004_7005	47004	7005	-0.07	-185.016	-0.271	-15.49	7.313	18122.17
47005_7005	47005	7005	0.071	185.016	0.27	-16.14	-7.313	-18122.2
47005_7006	47005	7006	-0.071	-149.696	-0.27	16.14	4.037	20149.22
47006_7006	47006	7006	0.074	107.026	1.083	18.209	-4.037	-20149.4
47006_7007	47006	7007	-0.074	-71.71	-1.083	-18.209	-9.079	21231.69
47007_7007	47007	7007	0.075	71.71	1.083	-18.797	9.079	-21231.7
47007_7008	47007	7008	-0.075	-36.373	-1.083	18.797	-22.2	21886.58
47008_7008	47008	7008	0.072	-5.872	-0.393	18.64	22.2	-21886.7
47008_7009	47008	7009	-0.072	41.177	0.393	-18.64	-17.439	21601.9
47009_7009	47009	7009	0.071	-41.177	-0.393	-18.99	17.439	-21601.9
47009_7010	47009	7010	-0.071	76.503	0.393	18.99	-12.673	20889.09
47010_7010	47010	7010	0.076	-117.725	0.808	15.726	12.673	-20889.3
47010_7011	47010	7011	-0.076	153.048	-0.808	-15.726	-22.459	19249.33
47011_7011	47011	7011	0.078	-153.048	0.808	-15.818	22.459	-19249.3
47011_7012	47011	7012	-0.078	188.363	-0.808	15.818	-32.242	17181.96
47012_7012	47012	7012	0.076	-230.551	0.198	12.379	32.242	-17182.1
47012_7013	47012	7013	-0.076	265.863	-0.198	-12.379	-34.634	14176.41
47013_7013	47013	7013	0.077	-265.863	0.197	-12.267	34.634	-14176.4
47013_7014	47013	7014	-0.077	301.197	-0.197	12.267	-37.026	10740.86
47014_7014	47014	7014	0.081	-344.486	1.182	3.817	37.026	-10741
47014_7015	47014	7015	-0.081	390.682	-1.182	-3.817	-55.755	4917.701
47015_7015	47015	7015	4.515	-390.656	1.182	-3.359	55.717	-4917.65
47015_7016	47015	7016	-4.77	413.152	-1.182	3.359	-65.478	1598.907
47016_7016	47016	7016	15.164	-462.039	1.251	-1.819	65.471	-1600.01
47016_7017	47016	7017	-16.217	494.137	-1.251	1.819	-80.178	-4020.02
47017_7017	47017	7017	30.049	-493.486	1.251	3.674	80.549	4020.088
47017_7018	47017	7018	-32.417	532.331	-1.251	-3.674	-97.145	-10825.6
47018_7018	47018	7018	51.632	-579.727	-2.762	-19.506	95.357	10825.38
47018_7019	47018	7019	-55.064	618.221	2.762	19.506	-60.717	-18341.1
47019_7019	47019	7019	72.108	-616.464	-2.763	22.295	65.221	18341.07
47019_7020	47019	7020	-76.903	657.411	2.763	-22.295	-30.504	-26353.2
47020_7020	47020	7020	-2460.94	214.241	-18.203	-3.01	420.103	5837.885
47020_7021	47020	7021	2460.938	-187.669	18.203	3.01	-247.19	-3928.95
47021_7021	47021	7021	-2460.95	187.669	-16.745	-1.744	247.19	3914.006
47021_7022	47021	7022	2460.948	-168.104	16.745	1.744	-117.453	-2535.76
47022_7022	47022	7022	-2460.97	168.104	-13.588	1.509	117.453	2535.764
47022_7023	47022	7023	2460.968	-148.541	13.588	-1.509	-12.192	-1309.28
47023_7023	47023	7023	-2460.99	100.237	-7.034	-0.933	12.192	1309.182
47023_7024	47023	7024	2460.988	-80.016	7.034	0.933	44.129	-587.503
47024_7024	47024	7024	-2461	80.016	-4.309	-0.282	-44.129	587.503

47024_7025	47024	7025	2460.995	-59.823	4.309	0.282	78.581	-28.402
47025_7025	47025	7025	-2461	59.823	-4.309	-0.282	-78.581	28.402
47025_7026	47025	7026	2460.995	-39.629	4.309	0.282	113.034	369.227
47026_7026	47026	7026	-2461	-8.281	-4.034	-0.304	-113.034	-369.33
47026_7027	47026	7027	2460.998	23.444	4.034	0.304	137.255	274.089
47027_7027	47027	7027	-2461	-23.444	-4.472	-0.255	-137.255	-274.089
47027_7028	47027	7028	2460.997	38.581	4.472	0.255	164.059	88.193
47028_7028	47028	7028	-2461	-38.581	0.042	-0.417	-164.059	-88.192
47028_7029	47028	7029	2461.001	53.741	-0.042	0.417	163.805	-188.919
47029_7029	47029	7029	-2461	-53.741	0.042	-0.417	-163.805	188.919
47029_7030	47029	7030	2461.001	68.901	-0.042	0.417	163.552	-557.036
47030_7030	47030	7030	-2461.01	-116.44	1.642	-1.463	-163.552	557.021
47030_7031	47030	7031	2461.005	136.626	-1.642	1.463	150.43	-1568.43
47031_7031	47031	7031	-2461.01	-136.626	1.961	-1.259	-150.43	1568.425
47031_7032	47031	7032	2461.005	156.836	-1.961	1.259	134.736	-2742.73
47032_7032	47032	7032	-2461	-156.836	5.02	2.15	-134.736	2742.733
47032_7033	47032	7033	2461.001	177.044	-5.02	-2.15	94.568	-4078.61
47033_7033	47033	7033	-2460.96	-226.22	12.631	0.627	-94.568	4078.677
47033_7034	47033	7034	2460.962	245.789	-12.631	-0.627	-3.314	-5907.56
47034_7034	47034	7034	-2460.98	-245.789	9.472	-6.957	3.314	5907.556
47034_7035	47034	7035	2460.976	265.361	-9.472	6.957	-76.723	-7888.36
47035_7035	47035	7035	-2460.95	-265.361	14.186	7.508	76.723	7904.085
47035_7036	47035	7036	2460.953	291.928	-14.186	-7.508	-211.454	-10550.5
47036_7036	47036	7036	76.19	550.933	1.305	-12.156	-31.294	32334.98
47036_7037	47036	7037	-71.395	-509.979	-1.305	12.156	14.9	-25661.8
47037_7037	47037	7037	57.305	511.767	1.296	8.621	-17.034	25661.79
47037_7038	47037	7038	-53.873	-473.28	-1.296	-8.621	0.796	-19483.4
47038_7038	47038	7038	38.028	432.182	1.14	-8.816	0.505	19483.78
47038_7039	47038	7039	-35.661	-393.323	-1.14	8.816	-15.643	-14005.7
47039_7039	47039	7039	24.083	394.121	1.115	19.38	14.609	13981.56
47039_7040	47039	7040	-23.042	-362.368	-1.115	-19.38	-27.714	-9534.61
47040_7040	47040	7040	15.081	310.947	-0.065	-10.503	28.305	9535.057
47040_7041	47040	7041	-14.831	-288.918	0.065	10.503	-27.766	-7061.45
47041_7041	47041	7041	11.739	289.124	-0.088	2.575	27.683	7055.242
47041_7042	47041	7042	-11.739	-252.203	0.088	-2.575	-26.332	-2879.87
47042_7042	47042	7042	11.737	206.676	-1.28	-1.9	26.332	2879.923
47042_7043	47042	7043	-11.737	-178.195	1.28	1.9	-11.104	-589.932
47043_7043	47043	7043	11.735	178.195	-1.299	-0.913	11.104	589.934
47043_7044	47043	7044	-11.735	-149.719	1.299	0.913	4.356	1360.861
47044_7044	47044	7044	11.739	108.912	0.126	0.664	-4.356	-1360.87
47044_7045	47044	7045	-11.739	-80.413	-0.126	-0.664	2.854	2488.04
47045_7045	47045	7045	11.739	80.413	0.117	-1.233	-2.854	-2488.04
47045_7046	47045	7046	-11.739	-51.941	-0.117	1.233	1.46	3275.311
47046_7046	47046	7046	11.739	10.945	0.133	3.729	-1.46	-3275.33
47046_7047	47046	7047	-11.739	17.547	-0.133	-3.729	-0.12	3236.037
47047_7047	47047	7047	11.739	-17.547	0.113	-1.688	0.12	-3236.04
47047_7048	47047	7048	-11.739	46.035	-0.113	1.688	-1.467	2857.635
47048_7048	47048	7048	11.738	-87.489	-0.072	2.742	1.467	-2857.66
47048_7049	47048	7049	-11.738	115.974	0.072	-2.742	-0.614	1646.839
47049_7049	47049	7049	11.738	-115.974	-0.082	1.363	0.614	-1646.84
47049_7050	47049	7050	-11.738	144.458	0.082	-1.363	0.357	97.104
47050_7050	47050	7050	11.741	-186.169	1.285	0.92	-0.357	-97.121
47050_7051	47050	7051	-11.741	223.078	-1.285	-0.92	-19.456	-3058.49
47051_7051	47051	7051	14.462	-222.864	1.265	5.939	19.512	3060.63
47051_7052	47051	7052	-14.693	243.201	-1.265	-5.939	-29.945	-4982.4

47052_7052	47052	7052	21.771	-290.822	0.445	-5.126	29.712	4982.268
47052_7053	47052	7053	-22.731	320.105	-0.445	5.126	-34.948	-8575.43
47053_7053	47053	7053	31.976	-319.245	0.419	13.513	35.978	8579.088
47053_7054	47053	7054	-34.27	356.8	-0.419	-13.513	-41.537	-13065.1
47054_7054	47054	7054	48.471	-400.144	-2.517	-12.028	39.675	13064.97
47054_7055	47054	7055	-51.788	437.247	2.517	12.028	-8.12	-18317.1
47055_7055	47055	7055	63.946	-435.601	-2.536	16.789	11.233	18317.08
47055_7056	47055	7056	-68.564	474.955	2.536	-16.789	20.634	-24043.6
47056_7056	47056	7056	-2052.46	270.084	-11.245	-4.993	173.806	8028.542
47056_7057	47056	7057	2052.455	-244.317	11.245	4.993	-66.902	-5583.45
47057_7057	47057	7057	-2052.47	244.317	-8.886	1.398	66.902	5549.516
47057_7058	47057	7058	2052.467	-223.769	8.886	-1.398	1.973	-3735.45
47058_7058	47058	7058	-2052.48	223.769	-6.245	6.205	-1.973	3735.449
47058_7059	47058	7059	2052.477	-203.223	6.245	-6.205	50.373	-2080.8
47059_7059	47059	7059	-2052.47	156.759	-5.771	0.073	-50.373	2080.876
47059_7060	47059	7060	2052.472	-135.574	5.771	-0.073	96.486	-912.849
47060_7060	47060	7060	-2052.48	135.574	-3.026	1.294	-96.486	912.848
47060_7061	47060	7061	2052.478	-114.365	3.026	-1.294	120.692	86.951
47061_7061	47061	7061	-2052.48	114.365	-0.466	1.185	-120.692	-86.953
47061_7062	47061	7062	2052.48	-93.158	0.466	-1.185	124.423	917.008
47062_7062	47062	7062	-2052.48	47.96	-1.946	2.344	-124.423	-917.156
47062_7063	47062	7063	2052.479	-32.042	1.946	-2.344	136.107	1157.351
47063_7063	47063	7063	-2052.48	32.042	1.464	0.421	-136.107	-1157.35
47063_7064	47063	7064	2052.48	-16.125	-1.464	-0.421	127.315	1301.952
47064_7064	47064	7064	-2052.48	16.125	1.231	0.57	-127.315	-1301.95
47064_7065	47064	7065	2052.48	-0.235	-1.231	-0.57	119.938	1350.984
47065_7065	47065	7065	-2052.48	0.235	1.464	0.416	-119.938	-1350.98
47065_7066	47065	7066	2052.48	15.682	-1.464	-0.416	111.146	1304.613
47066_7066	47066	7066	-2052.48	-61.194	5.023	1.038	-111.146	-1304.53
47066_7067	47066	7067	2052.477	82.396	-5.023	-1.038	70.977	730.34
47067_7067	47067	7067	-2052.48	-82.396	5.023	1.038	-70.977	-730.34
47067_7068	47067	7068	2052.477	103.598	-5.023	-1.038	30.807	-13.411
47068_7068	47068	7068	-2052.48	-103.598	5.193	1.039	-30.807	13.411
47068_7069	47068	7069	2052.476	124.826	-5.193	-1.039	-10.772	-927.969
47069_7069	47069	7069	-2052.45	-170.509	10.074	-1.006	10.772	928.111
47069_7070	47069	7070	2052.453	191.044	-10.074	1.006	-88.809	-2328.43
47070_7070	47070	7070	-2052.44	-191.044	12.719	1.994	88.809	2328.432
47070_7071	47070	7071	2052.439	211.577	-12.719	-1.994	-187.32	-3887.69
47071_7071	47071	7071	-2052.44	-211.577	12.919	2.441	187.32	3918.36
47071_7072	47071	7072	2052.437	237.324	-12.919	-2.441	-310.041	-6050.41
47072_7072	47072	7072	74.642	509.579	2.531	-6.144	3.654	21792.63
47072_7073	47072	7073	-70.024	-470.199	-2.531	6.144	-35.479	-15627.5
47073_7073	47073	7073	56.991	471.98	2.52	5.357	34.13	15627.54
47073_7074	47073	7074	-53.674	-434.859	-2.52	-5.357	-65.73	-9937.58
47074_7074	47074	7074	38.841	394.463	-1.073	0.317	66.139	9937.78
47074_7075	47074	7075	-36.547	-356.927	1.073	-0.317	-51.908	-4954.43
47075_7075	47075	7075	25.724	357.878	-1.099	8.569	51.664	4948.921
47075_7076	47075	7076	-24.796	-329.571	1.099	-8.569	-38.746	-908.7
47076_7076	47076	7076	17.533	281.879	0.08	-1.02	38.928	908.771
47076_7077	47076	7077	-17.309	-262.196	-0.08	1.02	-39.591	1336.539
47077_7077	47077	7077	14.465	262.425	0.064	-2.911	39.598	-1339.62
47077_7078	47077	7078	-14.465	-227.07	-0.064	2.911	-40.487	4761.626
47078_7078	47078	7078	14.46	188.53	-0.925	1.838	40.487	-4761.66
47078_7079	47078	7079	-14.46	-160.219	0.925	-1.838	-30.126	6714.07
47079_7079	47079	7079	14.46	160.219	-0.938	-3.828	30.126	-6714.07

47079_7080	47079	7080	-14.46	-131.933	0.938	3.828	-19.638	8348.091
47080_7080	47080	7080	14.462	95.475	-0.011	3.787	19.638	-8348.16
47080_7081	47080	7081	-14.462	-67.193	0.011	-3.787	-19.514	9257.88
47081_7081	47081	7081	14.462	67.193	-0.025	-4.9	19.514	-9257.88
47081_7082	47081	7082	-14.462	-38.886	0.025	4.9	-19.237	9851.63
47082_7082	47082	7082	14.461	0.426	-0.192	4.13	19.237	-9851.7
47082_7083	47082	7083	-14.461	29.98	0.192	-4.13	-16.924	9674.007
47083_7083	47083	7083	14.461	-29.98	-0.204	-3.906	16.924	-9674.01
47083_7084	47083	7084	-14.461	60.385	0.204	3.906	-14.466	9130.708
47084_7084	47084	7084	14.46	-98.524	-0.258	4.094	14.466	-9130.77
47084_7085	47084	7085	-14.46	126.825	0.258	-4.094	-11.582	7869.659
47085_7085	47085	7085	14.46	-126.825	-0.27	-2.603	11.582	-7869.66
47085_7086	47085	7086	-14.46	155.1	0.27	2.603	-8.564	6293.4
47086_7086	47086	7086	14.46	-192.231	-0.16	4.85	8.564	-6293.43
47086_7087	47086	7087	-14.46	220.53	0.16	-4.85	-6.778	3983.691
47087_7087	47087	7087	14.459	-220.53	-0.185	-2.262	6.778	-3983.69
47087_7088	47087	7088	-14.459	248.827	0.185	2.262	-4.703	1357.468
47088_7088	47088	7088	14.462	-285.56	0.629	-0.546	4.703	-1357.47
47088_7089	47088	7089	-14.462	319.576	-0.629	0.546	-13.166	-2712.82
47089_7089	47089	7089	18.183	-319.344	0.602	4.334	13.206	2718.716
47089_7090	47089	7090	-18.419	340.133	-0.602	-4.334	-18.17	-5438.2
47090_7090	47090	7090	27.236	-382.762	0.378	-7.511	17.877	5438.049
47090_7091	47090	7091	-28.217	412.667	-0.378	7.511	-22.319	-10113.3
47091_7091	47091	7091	39.908	-411.636	0.355	8.63	23.104	10112.89
47091_7092	47091	7092	-42.158	448.569	-0.355	-8.63	-27.809	-15821
47092_7092	47092	7092	58.739	-491.012	-2.618	-16.14	25.881	15820.69
47092_7093	47092	7093	-61.996	527.536	2.618	16.14	6.949	-22209.8
47093_7093	47093	7093	76.582	-525.589	-2.642	19.33	-3.253	22209.83
47093_7094	47093	7094	-81.123	564.367	2.642	-19.33	36.453	-29065.6
47094_7094	47094	7094	-2340.23	241.218	-7.533	-5.686	75.839	8674.011
47094_7095	47094	7095	2340.226	-215.898	7.533	5.686	-4.233	-6501.32
47095_7095	47095	7095	-2340.23	215.898	-5.416	0.036	4.233	6503.302
47095_7096	47095	7096	2340.232	-195.862	5.416	-0.036	37.71	-4908.82
47096_7096	47096	7096	-2340.24	195.862	-2.294	6.583	-37.71	4908.816
47096_7097	47096	7097	2340.237	-175.8	2.294	-6.583	55.501	-3467.81
47097_7097	47097	7097	-2340.24	131.715	-0.577	-2.982	-55.501	3467.804
47097_7098	47097	7098	2340.24	-111.032	0.577	2.982	60.115	-2497.48
47098_7098	47098	7098	-2340.24	111.032	2.444	0.242	-60.115	2497.479
47098_7099	47098	7099	2340.238	-90.324	-2.444	-0.242	40.556	-1691.63
47099_7099	47099	7099	-2340.23	90.324	5.366	2.354	-40.556	1691.629
47099_7100	47099	7100	2340.233	-69.617	-5.366	-2.354	-2.393	-1051.55
47100_7100	47100	7100	-2340.26	25.994	-0.387	-0.118	2.393	1051.666
47100_7101	47100	7101	2340.255	-10.489	0.387	0.118	-0.074	-942.346
47101_7101	47101	7101	-2340.25	10.489	3.633	1.5	0.074	942.344
47101_7102	47101	7102	2340.252	5.041	-3.633	-1.5	-21.884	-925.992
47102_7102	47102	7102	-2340.25	-5.041	-4.16	-1.583	21.884	925.992
47102_7103	47102	7103	2340.251	20.572	4.16	1.583	3.087	-1002.87
47103_7103	47103	7103	-2340.26	-20.572	-0.387	0.034	-3.087	1002.873
47103_7104	47103	7104	2340.255	36.077	0.387	-0.034	5.406	-1172.62
47104_7104	47104	7104	-2340.25	-79.945	-4.028	-1.488	-5.406	1172.524
47104_7105	47104	7105	2340.254	100.652	4.028	1.488	37.644	-1895.27
47105_7105	47105	7105	-2340.26	-100.652	-1.105	0.879	-37.644	1895.267
47105_7106	47105	7106	2340.257	121.358	1.105	-0.879	46.489	-2783.71
47106_7106	47106	7106	-2340.26	-121.358	-1.193	0.774	-46.489	2783.709
47106_7107	47106	7107	2340.257	142.039	1.193	-0.774	56.025	-3836.46

47107_7107	47107	7107	-2340.25	-185.69	4.431	-2.465	-56.025	3836.51
47107_7108	47107	7108	2340.247	205.748	-4.431	2.465	21.667	-5353.94
47108_7108	47108	7108	-2340.25	-205.748	4.431	-2.465	-21.667	5353.94
47108_7109	47108	7109	2340.247	225.806	-4.431	2.465	-12.691	-7026.88
47109_7109	47109	7109	-2340.24	-225.806	6.746	4.31	12.691	7024.243
47109_7110	47109	7110	2340.241	251.093	-6.746	-4.31	-76.736	-9287.98
47110_7110	47110	7110	91.916	548.716	1.937	-19.998	-13.562	29921.54
47110_7111	47110	7111	-87.375	-509.919	-1.937	19.998	-10.793	-23260.2
47111_7111	47111	7111	73.266	512.163	1.894	16.776	6.884	23260.23
47111_7112	47111	7112	-70.009	-475.626	-1.894	-16.776	-30.629	-17062.2
47112_7112	47112	7112	54.231	437.468	-0.341	-4.689	32.393	17062.57
47112_7113	47112	7113	-51.981	-400.552	0.341	4.689	-27.877	-11504.7
47113_7113	47113	7113	40.065	401.944	-0.376	9.655	27.329	11506.8
47113_7114	47113	7114	-39.094	-372.33	0.376	-9.655	-22.91	-6955.02
47114_7114	47114	7114	30.96	325.884	-0.203	-2.92	23.176	6955.276
47114_7115	47114	7115	-30.726	-305.294	0.203	2.92	-21.504	-4351.02
47115_7115	47115	7115	27.428	305.661	-0.218	-0.74	21.484	4339.733
47115_7116	47115	7116	-27.428	-272.763	0.218	0.74	-18.436	-298.632
47116_7116	47116	7116	27.427	233.471	-0.638	-0.547	18.436	298.634
47116_7117	47116	7117	-27.427	-207.121	0.638	0.547	-11.298	2166.914
47117_7117	47117	7117	27.427	207.121	-0.662	-2.448	11.298	-2166.91
47117_7118	47117	7118	-27.427	-180.794	0.662	2.448	-3.898	4335.704
47118_7118	47118	7118	27.426	145.619	-0.072	-0.801	3.898	-4335.69
47118_7119	47118	7119	-27.426	-119.27	0.072	0.801	-3.093	5817.934
47119_7119	47119	7119	27.426	119.27	-0.072	-0.801	3.093	-5817.93
47119_7120	47119	7120	-27.426	-92.921	0.072	0.801	-2.288	7005.294
47120_7120	47120	7120	27.427	54.715	-0.109	6.359	2.288	-7005.32
47120_7121	47120	7121	-27.427	-26.412	0.109	-6.359	-0.977	7492.936
47121_7121	47121	7121	27.426	26.412	-0.155	-6.106	0.977	-7492.94
47121_7122	47121	7122	-27.426	1.89	0.155	6.106	0.882	7640.322
47122_7122	47122	7122	27.426	-39.753	-0.158	4.214	-0.882	-7640.33
47122_7123	47122	7123	-27.426	66.101	0.158	-4.214	2.645	7048.036
47123_7123	47123	7123	27.426	-66.101	-0.182	-2.083	-2.645	-7048.04
47123_7124	47123	7124	-27.426	92.448	0.182	2.083	4.683	6160.907
47124_7124	47124	7124	27.426	-129.697	0.032	5.932	-4.683	-6160.91
47124_7125	47124	7125	-27.426	156.044	-0.032	-5.932	4.321	4562.111
47125_7125	47125	7125	27.426	-156.044	-0.017	-2.222	-4.321	-4562.11
47125_7126	47125	7126	-27.426	182.391	0.017	2.222	4.507	2668.51
47126_7126	47126	7126	27.43	-219.503	0.763	2.112	-4.507	-2668.49
47126_7127	47126	7127	-27.43	251.336	-0.763	-2.112	-5.802	-514.469
47127_7127	47127	7127	30.419	-250.966	0.726	2.586	5.822	522.722
47127_7128	47127	7128	-30.634	269.87	-0.726	-2.586	-11.811	-2671.31
47128_7128	47128	7128	38.13	-315.665	0.861	-1.817	11.703	2671.194
47128_7129	47128	7129	-39.023	342.875	-0.861	1.817	-21.819	-6541.91
47129_7129	47129	7129	48.788	-341.561	0.804	10.356	22.532	6540.151
47129_7130	47129	7130	-50.968	377.332	-0.804	-10.356	-33.18	-11310.4
47130_7130	47130	7130	65.277	-416.278	-3.127	-3.689	32.225	11310.27
47130_7131	47130	7131	-68.436	451.707	3.127	3.689	6.933	-16755.3
47131_7131	47131	7131	84.624	-448.92	-3.145	8.008	-5.617	16755.27
47131_7132	47131	7132	-89.036	484.133	3.145	-8.008	42.518	-22245.5
47132_7132	47132	7132	-2038.89	216.911	21.303	7.146	-322.185	6376.851
47132_7133	47132	7133	2038.894	-190.329	-21.303	-7.146	102.334	-4275.49
47133_7133	47133	7133	-2038.92	190.329	18.673	-0.006	-102.334	4298.155
47133_7134	47133	7134	2038.92	-172.078	-18.673	0.006	-42.379	-2893.83
47134_7134	47134	7134	-2038.96	172.078	13.421	-7.459	42.379	2893.817

47134_7135	47134	7135	2038.961	-153.804	-13.421	7.459	-146.527	-1629.39
47135_7135	47135	7135	-2038.93	115.465	-4.436	-0.52	146.527	1629.472
47135_7136	47135	7136	2038.934	-96.649	4.436	0.52	-111.082	-782.057
47136_7136	47136	7136	-2038.94	96.649	-1.872	0.463	111.082	782.058
47136_7137	47136	7137	2038.938	-77.81	1.872	-0.463	-96.109	-84.213
47137_7137	47137	7137	-2038.94	77.81	-1.872	0.463	96.109	84.213
47137_7138	47137	7138	2038.938	-58.97	1.872	-0.463	-81.137	462.912
47138_7138	47138	7138	-2038.93	19.788	-4.386	0.816	81.137	-462.973
47138_7139	47138	7139	2038.934	-5.658	4.386	-0.816	-54.819	539.313
47139_7139	47139	7139	-2038.94	5.658	-0.988	-0.082	54.819	-539.314
47139_7140	47139	7140	2038.939	8.472	0.988	0.082	-48.889	530.873
47140_7140	47140	7140	-2038.94	-8.472	-0.988	-0.082	48.889	-530.873
47140_7141	47140	7141	2038.939	22.601	0.988	0.082	-42.96	437.654
47141_7141	47141	7141	-2038.94	-22.601	-0.988	-0.082	42.96	-437.654
47141_7142	47141	7142	2038.939	36.731	0.988	0.082	-37.031	259.655
47142_7142	47142	7142	-2038.94	-77.918	-3.826	-0.058	37.031	-259.726
47142_7143	47142	7143	2038.936	96.758	3.826	0.058	-6.421	-438.995
47143_7143	47143	7143	-2038.94	-96.758	-1.278	0.491	6.421	438.994
47143_7144	47143	7144	2038.939	115.598	1.278	-0.491	3.799	-1288.43
47144_7144	47144	7144	-2038.94	-115.598	-1.278	0.491	-3.799	1288.429
47144_7145	47144	7145	2038.939	134.437	1.278	-0.491	14.019	-2288.58
47145_7145	47145	7145	-2038.93	-178.083	-2.252	2.21	-14.019	2288.51
47145_7146	47145	7146	2038.932	196.334	2.252	-2.21	31.471	-3739.4
47146_7146	47146	7146	-2038.93	-196.334	-4.883	-2.614	-31.471	3739.396
47146_7147	47146	7147	2038.928	214.585	4.883	2.614	69.311	-5331.74
47147_7147	47147	7147	-2038.93	-214.585	-2.459	3.13	-69.311	5311.926
47147_7148	47147	7148	2038.932	239.056	2.459	-3.13	92.676	-7466.75
47148_7148	47148	7148	103.642	476.336	1.231	-8.698	-21.727	24112.35
47148_7149	47148	7149	-99.23	-438.65	-1.231	8.698	6.272	-18356.9
47149_7149	47149	7149	87.06	441.247	1.193	6.119	-7.852	18356.95
47149_7150	47149	7150	-83.901	-405.818	-1.193	-6.119	-7.095	-13043.6
47150_7150	47150	7150	69.884	365.185	0.85	-1.956	7.788	13043.51
47150_7151	47150	7151	-67.704	-329.414	-0.85	1.956	-19.076	-8434.69
47151_7151	47151	7151	57.615	331.317	0.806	2.821	18.874	8446.491
47151_7152	47151	7152	-56.698	-303.364	-0.806	-2.821	-28.344	-4716.34
47152_7152	47152	7152	50.027	252.086	-1.769	-0.288	28.42	4716.221
47152_7153	47152	7153	-49.806	-232.661	1.769	0.288	-13.827	-2716.55
47153_7153	47153	7153	47.343	233.233	-1.723	-2.82	13.816	2715.731
47153_7154	47153	7154	-47.343	-201.86	1.723	2.82	9.873	275.586
47154_7154	47154	7154	47.334	159.458	0.259	-1.225	-9.873	-275.577
47154_7155	47154	7155	-47.334	-134.359	-0.259	1.225	7.03	1891.599
47155_7155	47155	7155	47.334	134.359	0.259	-1.225	-7.03	-1891.6
47155_7156	47155	7156	-47.334	-109.261	-0.259	1.225	4.186	3231.529
47156_7156	47156	7156	47.336	73.254	-0.215	-2.393	-4.186	-3231.53
47156_7157	47156	7157	-47.336	-50.437	0.215	2.393	6.332	3849.991
47157_7157	47157	7157	47.336	50.437	-0.167	1.457	-6.332	-3849.99
47157_7158	47157	7158	-47.336	-27.62	0.167	-1.457	8.005	4240.282
47158_7158	47158	7158	47.333	-5.642	0.139	-1.686	-8.005	-4240.28
47158_7159	47158	7159	-47.333	28.482	-0.139	1.686	6.614	4069.486
47159_7159	47159	7159	47.333	-28.482	0.187	2.404	-6.614	-4069.49
47159_7160	47159	7160	-47.333	51.299	-0.187	-2.404	4.748	3670.575
47160_7160	47160	7160	47.332	-88.651	0.361	0.064	-4.748	-3670.56
47160_7161	47160	7161	-47.332	113.75	-0.361	-0.064	0.777	2557.346
47161_7161	47161	7161	47.332	-113.75	0.404	2.389	-0.777	-2557.35
47161_7162	47161	7162	-47.332	138.849	-0.404	-2.389	-3.666	1168.034

47162_7162	47162	7162	47.329	-179.423	0.874	1.172	3.666	-1168.04
47162_7163	47162	7163	-47.329	210.796	-0.874	-1.172	-15.679	-1514.76
47163_7163	47163	7163	49.873	-210.222	0.828	2.531	15.7	1515.177
47163_7164	47163	7164	-50.094	229.647	-0.828	-2.531	-22.53	-3329.73
47164_7164	47164	7164	56.852	-278.341	1.059	-0.304	22.492	3329.843
47164_7165	47164	7165	-57.769	306.294	-1.059	0.304	-34.941	-6766.16
47165_7165	47165	7165	66.559	-304.463	1.027	3.966	35.224	6759.415
47165_7166	47165	7166	-68.767	340.673	-1.027	-3.966	-48.845	-11037
47166_7166	47166	7166	83.144	-391.417	-1.809	-4.18	48.295	11036.8
47166_7167	47166	7167	-86.342	427.287	1.809	4.18	-25.618	-16172.7
47167_7167	47167	7167	98.177	-424.714	-1.847	7.983	27.011	16172.73
47167_7168	47167	7168	-102.641	462.841	1.847	-7.983	-3.807	-21756.2
47168_7168	47168	7168	-1974.84	245.858	3.116	-3.576	-91.974	6810.478
47168_7169	47168	7169	1974.836	-221.052	-3.116	3.576	62.373	-4592.61
47169_7169	47169	7169	-1974.83	221.052	5.396	0.614	-62.373	4617.316
47169_7170	47169	7170	1974.831	-202.298	-5.396	-0.614	20.555	-2976.81
47170_7170	47170	7170	-1974.83	202.298	5.396	0.614	-20.555	2976.812
47170_7171	47170	7171	1974.831	-183.544	-5.396	-0.614	-21.263	-1481.66
47171_7171	47171	7171	-1974.8	136.184	0.548	0.42	21.263	1481.555
47171_7172	47171	7172	1974.798	-116.825	-0.548	-0.42	-25.645	-469.508
47172_7172	47172	7172	-1974.8	116.825	-1.921	-0.167	25.645	469.508
47172_7173	47172	7173	1974.797	-97.465	1.921	0.167	-10.279	387.667
47173_7173	47173	7173	-1974.8	97.465	0.548	-0.652	10.279	-387.667
47173_7174	47173	7174	1974.798	-78.106	-0.548	0.652	-14.661	1089.959
47174_7174	47174	7174	-1974.8	33.601	0.95	-0.472	14.661	-1090.05
47174_7175	47174	7175	1974.8	-19.081	-0.95	0.472	-20.362	1248.092
47175_7175	47175	7175	-1974.8	19.081	-2.341	1.608	20.362	-1248.09
47175_7176	47175	7176	1974.799	-4.561	2.341	-1.608	-6.314	1319.02
47176_7176	47176	7176	-1974.8	4.561	0.95	-0.59	6.314	-1319.02
47176_7177	47176	7177	1974.8	9.958	-0.95	0.59	-12.015	1302.83
47177_7177	47177	7177	-1974.8	-9.958	0.95	-0.59	12.015	-1302.83
47177_7178	47177	7178	1974.8	24.478	-0.95	0.59	-17.715	1199.522
47178_7178	47178	7178	-1974.8	-69.531	1.067	-0.403	17.715	-1199.61
47178_7179	47178	7179	1974.801	88.89	-1.067	0.403	-26.251	565.917
47179_7179	47179	7179	-1974.8	-88.89	-1.401	0.304	26.251	-565.917
47179_7180	47179	7180	1974.801	108.25	1.401	-0.304	-15.04	-222.66
47180_7180	47180	7180	-1974.8	-108.25	1.067	0.583	15.04	222.659
47180_7181	47180	7181	1974.801	127.609	-1.067	-0.583	-23.576	-1166.11
47181_7181	47181	7181	-1974.77	-174.561	-3.76	2.68	23.576	1166.02
47181_7182	47181	7182	1974.771	193.316	3.76	-2.68	5.568	-2591.56
47182_7182	47182	7182	-1974.77	-193.316	-3.76	2.68	-5.568	2591.564
47182_7183	47182	7183	1974.771	212.07	3.76	-2.68	34.712	-4162.46
47183_7183	47183	7183	-1974.77	-212.07	-6.04	-2.982	-34.712	4142.601
47183_7184	47183	7184	1974.766	236.876	6.04	2.982	92.096	-6275.14
47184_7184	47184	7184	104.399	474.226	2.235	5.059	-17.159	21166.23
47184_7185	47184	7185	-99.935	-436.099	-2.235	-5.059	-10.92	-15440.1
47185_7185	47185	7185	87.825	438.716	2.273	-7.504	12.201	15440.07
47185_7186	47185	7186	-84.626	-402.846	-2.273	7.504	-40.7	-10161.1
47186_7186	47186	7186	70.426	358	-1.4	-1.897	40.084	10161.14
47186_7187	47186	7187	-68.218	-321.762	1.4	1.897	-21.498	-5650.77
47187_7187	47187	7187	58.234	323.656	-1.368	-3.523	21.464	5656.89
47187_7188	47187	7188	-57.276	-294.437	1.368	3.523	-5.387	-2024.24
47188_7188	47188	7188	50.78	239.805	-0.33	-2.184	5.344	2024.239
47188_7189	47188	7189	-50.549	-219.492	0.33	2.184	-2.619	-129.564
47189_7189	47189	7189	48.245	220.079	-0.283	-2.28	2.589	136.514

47189_7190	47189	7190	-48.245	-185.823	0.283	2.28	1.308	2654.109
47190_7190	47190	7190	48.245	141.999	-0.284	-1.757	-1.308	-2654.1
47190_7191	47190	7191	-48.245	-114.594	0.284	1.757	4.429	4065.381
47191_7191	47191	7191	48.245	114.594	-0.284	-1.757	-4.429	-4065.38
47191_7192	47191	7192	-48.245	-87.188	0.284	1.757	7.549	5175.198
47192_7192	47192	7192	48.246	47.992	-0.593	-0.637	-7.549	-5175.18
47192_7193	47192	7193	-48.246	-23.129	0.593	0.637	13.469	5530.082
47193_7193	47193	7193	48.246	23.129	-0.593	-0.664	-13.469	-5530.08
47193_7194	47193	7194	-48.246	1.76	0.593	0.664	19.398	5636.819
47194_7194	47194	7194	48.242	-37.33	-0.038	3.04	-19.398	-5636.83
47194_7195	47194	7195	-48.242	62.218	0.038	-3.04	19.773	5139.582
47195_7195	47195	7195	48.242	-62.218	-0.086	-2.105	-19.773	-5139.58
47195_7196	47195	7196	-48.242	87.107	0.086	2.105	20.631	4393.692
47196_7196	47196	7196	48.234	-126.711	0.648	1.554	-20.631	-4393.67
47196_7197	47196	7197	-48.234	154.116	-0.648	-1.554	13.503	2849.103
47197_7197	47197	7197	48.234	-154.116	0.648	1.554	-13.503	-2849.1
47197_7198	47197	7198	-48.234	181.521	-0.648	-1.554	6.376	1003.075
47198_7198	47198	7198	48.238	-223.129	0.328	1.416	-6.376	-1003.08
47198_7199	47198	7199	-48.238	257.36	-0.328	-1.416	1.87	-2297.94
47199_7199	47199	7199	51.397	-256.753	0.281	3.716	-1.839	2283.495
47199_7200	47199	7200	-51.642	277.907	-0.281	-3.716	-0.479	-4489.1
47200_7200	47200	7200	59.655	-327.468	0.461	4.962	0.59	4489.139
47200_7201	47200	7201	-60.672	357.884	-0.461	-4.962	-6.004	-8517.58
47201_7201	47201	7201	71.029	-355.963	0.506	-2.124	5.702	8518.728
47201_7202	47201	7202	-73.531	396.467	-0.506	2.124	-12.409	-13512
47202_7202	47202	7202	89.611	-446.144	-2.649	9.712	13.435	13511.98
47202_7203	47202	7203	-93.21	486.038	2.649	-9.712	19.778	-19360.7
47203_7203	47203	7203	106.734	-483.24	-2.611	-5.151	-21.35	19360.7
47203_7204	47203	7204	-111.716	525.392	2.611	5.151	54.154	-25707.3
47204_7204	47204	7204	-2187.51	277.159	-2.163	2.89	29.153	8724.728
47204_7205	47204	7205	2187.505	-249.295	2.163	-2.89	-8.607	-6224.04
47205_7205	47205	7205	-2187.5	249.295	-4.762	-4.833	8.607	5981.404
47205_7206	47205	7206	2187.501	-228.045	4.762	4.833	28.302	-4131.67
47206_7206	47206	7206	-2187.51	228.045	-1.94	0.498	-28.302	4131.676
47206_7207	47206	7207	2187.505	-206.795	1.94	-0.498	43.336	-2446.65
47207_7207	47207	7207	-2187.52	155.629	-0.369	0.603	-43.336	2446.654
47207_7208	47207	7208	2187.519	-133.694	0.369	-0.603	46.291	-1289.35
47208_7208	47208	7208	-2187.52	133.694	-0.369	0.603	-46.291	1289.345
47208_7209	47208	7209	2187.519	-111.759	0.369	-0.603	49.245	-307.519
47209_7209	47209	7209	-2187.52	111.759	-3.104	0.219	-49.245	307.519
47209_7210	47209	7210	2187.517	-89.824	3.104	-0.219	74.075	498.829
47210_7210	47210	7210	-2187.54	38.928	1.151	0.501	-74.075	-498.808
47210_7211	47210	7211	2187.536	-22.476	-1.151	-0.501	67.17	683.022
47211_7211	47211	7211	-2187.54	22.476	1.151	0.501	-67.17	-683.022
47211_7212	47211	7212	2187.536	-6.025	-1.151	-0.501	60.265	768.528
47212_7212	47212	7212	-2187.54	6.025	-2.495	1.782	-60.265	-768.526
47212_7213	47212	7213	2187.535	10.426	2.495	-1.782	75.234	755.322
47213_7213	47213	7213	-2187.54	-10.426	1.151	0.523	-75.234	-755.324
47213_7214	47213	7214	2187.536	26.878	-1.151	-0.523	68.329	643.411
47214_7214	47214	7214	-2187.55	-78.834	2.539	1.648	-68.329	-643.388
47214_7215	47214	7215	2187.553	100.769	-2.539	-1.648	48.019	-75.033
47215_7215	47215	7215	-2187.55	-100.769	2.539	1.648	-48.019	75.033
47215_7216	47215	7216	2187.553	122.704	-2.539	-1.648	27.709	-968.937
47216_7216	47216	7216	-2187.55	-122.704	-0.196	0.437	-27.709	968.939
47216_7217	47216	7217	2187.554	144.639	0.196	-0.437	29.274	-2038.33

47217_7217	47217	7217	-2187.58	-196.294	4.962	-15.153	-29.274	2038.129
47217_7218	47217	7218	2187.584	217.543	-4.962	15.153	-9.185	-3641.77
47218_7218	47218	7218	-2187.58	-217.543	4.962	-15.153	9.185	3641.769
47218_7219	47218	7219	2187.584	238.793	-4.962	15.153	-47.644	-5410.1
47219_7219	47219	7219	-2187.44	-238.793	25.463	38.319	47.644	5660.7
47219_7220	47219	7220	2187.441	266.657	-25.463	-38.319	-289.548	-8061.61
47220_7220	47220	7220	93.855	525.056	2.57	-29.905	-23.526	24937.68
47220_7221	47220	7221	-88.873	-482.935	-2.57	29.905	-8.774	-18600.3
47221_7221	47221	7221	75.387	485.254	2.471	28.91	2.39	18600.28
47221_7222	47221	7222	-71.788	-445.354	-2.471	-28.91	-33.391	-12761
47222_7222	47222	7222	56.241	400.92	0.365	-5.155	36.34	12762.26
47222_7223	47222	7223	-53.739	-360.406	-0.365	5.155	-41.16	-7708.98
47223_7223	47223	7223	42.488	361.749	0.274	22.848	40.33	7677.024
47223_7224	47223	7224	-41.418	-329.762	-0.274	-22.848	-43.557	-3614.94
47224_7224	47224	7224	34.034	273.083	0.606	-4.454	44.055	3615.637
47224_7225	47224	7225	-33.776	-250.804	-0.606	4.454	-49.054	-1453.62
47225_7225	47225	7225	31.076	251.275	0.492	0.418	49.065	1461.481
47225_7226	47225	7226	-31.076	-209.419	-0.492	-0.418	-56.428	1986.353
47226_7226	47226	7226	31.071	160.191	-0.223	6.504	56.428	-1986.46
47226_7227	47226	7227	-31.071	-127.704	0.223	-6.504	-53.836	3658.784
47227_7227	47227	7227	31.07	127.704	-0.331	-6.208	53.836	-3658.79
47227_7228	47227	7228	-31.07	-95.241	0.331	6.208	-49.993	4952.878
47228_7228	47228	7228	31.072	47.306	-1.493	11.902	49.993	-4952.76
47228_7229	47228	7229	-31.072	-14.839	1.493	-11.902	-32.656	5313.518
47229_7229	47229	7229	31.065	14.839	-1.627	-10.956	32.656	-5313.52
47229_7230	47229	7230	-31.065	17.634	1.627	10.956	-13.763	5297.295
47230_7230	47230	7230	30.933	-68.959	6.23	8.773	13.763	-5296.77
47230_7231	47230	7231	-30.933	102.836	-6.23	-8.773	-89.236	4256.132
47231_7231	47231	7231	30.958	-102.836	6.104	-8.579	89.236	-4256.13
47231_7232	47231	7232	-30.958	136.749	-6.104	8.579	-163.257	2803.357
47232_7232	47232	7232	31.107	-183.378	-5.155	6.584	163.257	-2803.01
47232_7233	47232	7233	-31.107	191.948	5.155	-6.584	-147.458	2227.871
47233_7233	47233	7233	32.898	-191.6	-5.204	2.052	147.483	-2227.87
47233_7234	47233	7234	-33.044	208.61	5.204	-2.052	-116.467	1035.273
47234_7234	47234	7234	36.581	-207.929	-5.248	-0.92	116.429	-1035.28
47234_7235	47234	7235	-37.166	231.968	5.248	0.92	-72.426	-809.339
47235_7235	47235	7235	40.91	-231.252	-5.298	-0.626	72.401	809.337
47235_7236	47235	7236	-41.557	247.604	5.298	0.626	-42.402	-2165.67
47236_7236	47236	7236	43.884	-304.328	5.577	-5.665	42.202	2171.162
47236_7237	47236	7237	-46.042	341.419	-5.577	5.665	-102.051	-5638.18
47237_7237	47237	7237	54.028	-340.349	5.502	5.348	103.052	5657.86
47237_7238	47237	7238	-56.824	375.155	-5.502	-5.348	-155.343	-9064.05
47238_7238	47238	7238	67.943	-402.412	-1.5	-19.891	153.082	9062.175
47238_7239	47238	7239	-71.541	437.947	1.5	19.891	-139.059	-13024.7
47239_7239	47239	7239	71.14	-438.041	-1.571	15.593	142.729	13024.66
47239_7240	47239	7240	-75.256	478.952	1.571	-15.593	-126.409	-17824.6
47240_7240	47240	7240	-2006.5	307.977	-55.722	-7.403	1066.411	5565.065
47240_7241	47240	7241	2006.499	-281.234	55.722	7.403	-635.624	-3287.46
47241_7241	47241	7241	-2006.68	281.234	-48.85	3.283	635.624	3299.855
47241_7242	47241	7242	2006.678	-252.075	48.85	-3.283	-217.686	-1018.5
47242_7242	47242	7242	-2006.78	252.075	-44.686	5.397	217.686	1018.486
47242_7243	47242	7243	2006.776	-224.108	44.686	-5.397	148.994	935.24
47243_7243	47243	7243	-2008.06	166.28	-14.558	3.254	-148.994	-935.256
47243_7244	47243	7244	2008.062	-131.741	14.558	-3.254	296.526	2445.332
47244_7244	47244	7244	-2008.09	131.741	-9.795	-2.546	-296.526	-2445.33

47244_7245	47244	7245	2008.091	-99.384	9.795	2.546	389.519	3542.453
47245_7245	47245	7245	-2007.68	54.537	-12.928	5.587	-389.519	-3541.54
47245_7246	47245	7246	2007.681	-19.296	12.928	-5.587	523.197	3923.261
47246_7246	47246	7246	-2007.71	19.296	-7.83	-4.374	-523.197	-3923.26
47246_7247	47246	7247	2007.708	12.326	7.83	4.374	595.847	3955.594
47247_7247	47247	7247	-2007.77	-64.005	-2.208	7.981	-595.847	-3954.88
47247_7248	47247	7248	2007.77	96.009	2.208	-7.981	616.578	3203.582
47248_7248	47248	7248	-2007.76	-96.009	5.962	-5.055	-616.578	-3203.59
47248_7249	47248	7249	2007.762	130.903	-5.962	5.055	555.536	2042.027
47249_7249	47249	7249	-2008.1	-177.847	23.282	1.67	-555.536	-2041.6
47249_7250	47249	7250	2008.097	211.892	-23.282	-1.67	322.967	95.012
47250_7250	47250	7250	-2008.03	-211.892	28.647	1.417	-322.967	-95.017
47250_7251	47250	7251	2008.028	244.714	-28.647	-1.417	47.097	-2103.54
47251_7251	47251	7251	-2006.99	-294.466	-8.428	-44.167	-47.097	2102.33
47251_7252	47251	7252	2006.992	320.884	8.428	44.167	112.425	-4487.24
47252_7252	47252	7252	-2007.01	-320.884	0.086	-25.104	-112.425	4485.806
47252_7253	47252	7253	2007.01	353.729	-0.086	25.104	111.611	-7688.52
47253_7253	47253	7253	44.502	488.106	-40.583	90.479	31.179	19619.5
47253_7254	47253	7254	-40.998	-459.539	40.583	-90.479	265.506	-16157.3
47254_7254	47254	7254	24.028	397.483	26.134	-11.304	-252.311	16154.24
47254_7255	47254	7255	-19.553	-353.542	-26.134	11.304	-52.03	-11783.5
47255_7255	47255	7255	11.194	353.95	26.174	15.389	49.402	11783.46
47255_7256	47255	7256	-8.33	-317.259	-26.174	-15.389	-312.918	-8405.69
47256_7256	47256	7256	-0.267	276.538	-12.026	-8.85	314.342	8405.203
47256_7257	47256	7257	2.165	-243.09	12.026	8.85	-201.288	-5963.06
47257_7257	47257	7257	-6.796	243.029	-11.99	0.111	200.505	5956.876
47257_7258	47257	7258	7.607	-221.623	11.99	-0.111	-114.809	-4296.45
47258_7258	47258	7258	-10.675	221.564	-11.97	3.842	114.648	4296.455
47258_7259	47258	7259	11.05	-206.388	11.97	-3.842	-53.607	-3205.31
47259_7259	47259	7259	-14.554	152.607	-0.546	-6.858	53.724	3065.262
47259_7260	47259	7260	14.807	-128.784	0.546	6.858	-49.492	-1973.48
47260_7260	47260	7260	-16.452	128.901	-0.496	-1.025	49.499	1963.498
47260_7261	47260	7261	16.452	-102.677	0.496	1.025	-45.197	-958.45
47261_7261	47261	7261	-16.452	102.677	-0.477	0.062	45.197	958.451
47261_7262	47261	7262	16.452	-78.337	0.477	-0.062	-41.355	-229.317
47262_7262	47262	7262	-16.458	12.523	-1.135	-2.477	41.355	229.322
47262_7263	47262	7263	16.458	22.468	1.135	2.477	-28.211	-286.917
47263_7263	47263	7263	-16.46	-22.468	-1.1	-1.865	28.211	286.921
47263_7264	47263	7264	16.46	57.134	1.1	1.865	-15.591	-743.593
47264_7264	47264	7264	-16.478	-111.082	-2.196	-6.462	15.591	743.678
47264_7265	47264	7265	16.478	146.469	2.196	6.462	10.135	-2251.97
47265_7265	47265	7265	-16.486	-146.469	-2.136	1.731	-10.135	2251.981
47265_7266	47265	7266	16.486	180.745	2.136	-1.731	34.372	-4108.07
47266_7266	47266	7266	-16.445	-237.919	0.636	-14.721	-34.372	4108.656
47266_7267	47266	7267	16.445	272.576	-0.636	14.721	27.075	-7036.54
47267_7267	47267	7267	-16.443	-272.576	0.686	6.554	-27.075	7036.548
47267_7268	47267	7268	16.443	307.553	-0.686	-6.554	19.135	-10394.6
47268_7268	47268	7268	-16.47	-374.908	-0.223	-44.12	-19.135	10396.1
47268_7269	47268	7269	16.47	386.979	0.223	44.12	20.024	-11918.1
47269_7269	47269	7269	-11.905	-386.854	-0.182	-16.919	-20.178	11938.44
47269_7270	47269	7270	11.499	418.734	0.182	16.919	21.955	-15871.6
47270_7270	47270	7270	-2.912	-418.398	-0.139	24.435	-21.231	15871.61
47270_7271	47270	7271	1.742	452.157	0.139	-24.435	22.635	-20332.6
47271_7271	47271	7271	12.106	-512.999	-14.803	-61.364	-26.146	20363.77
47271_7272	47271	7272	-14.848	559.379	14.803	61.364	207.996	-26949.1

47272_7272	47272	7272	29.358	-558.455	-14.732	55.564	-201.151	26949.11
47272_7273	47272	7273	-33.557	607.244	14.732	-55.564	385.138	-34225.7
47273_7273	47273	7273	48.718	-625.248	27.95	-83.879	-397.728	34232.66
47273_7274	47273	7274	-51.096	647.697	-27.95	83.879	241.927	-37780.5
47274_7274	47274	7274	60.563	-646.782	27.987	7.762	-233.455	37780.61
47274_7275	47274	7275	-64.587	680.093	-27.987	-7.762	8.273	-43118.3
47275_7275	47275	7275	-3199.39	474.561	35.668	62.483	648.226	14043.87
47275_7276	47275	7276	3199.39	-454.478	-35.668	-62.483	-844.373	-11489.4
47276_7276	47276	7276	-3202.29	386.326	-64.042	-23.932	844.373	13441.55
47276_7277	47276	7277	3202.285	-371.598	64.042	23.932	-588.317	-11926.4
47277_7277	47277	7277	-3202.39	371.598	-58.571	-8.952	588.317	12220.5
47277_7278	47277	7278	3202.39	-336.734	58.571	8.952	5.039	-8632.6
47278_7278	47278	7278	-3202.55	336.734	-49.363	15.869	-5.039	8632.592
47278_7279	47278	7279	3202.545	-304.998	49.363	-15.869	460.248	-5673.68
47279_7279	47279	7279	-3202.16	226.617	-17.686	-6.48	-460.248	5674.43
47279_7280	47279	7280	3202.163	-186.438	17.686	6.48	666.727	-3263.22
47280_7280	47280	7280	-3202.21	186.438	-4.305	7.156	-666.727	3263.22
47280_7281	47280	7281	3202.209	-144.514	4.305	-7.156	719.171	-1247.37
47281_7281	47281	7281	-3202.34	107.963	0.434	0.247	-719.171	1213.355
47281_7282	47281	7282	3202.335	-71.677	-0.434	-0.247	713.794	-100.183
47282_7282	47282	7282	-3202.32	71.677	9.486	0.53	-713.794	100.182
47282_7283	47282	7283	3202.321	-38.113	-9.486	-0.53	605.05	529.102
47283_7283	47283	7283	-3202.84	-62.263	-5.733	-0.313	-605.05	-529.377
47283_7284	47283	7284	3202.844	93.609	5.733	0.313	666.432	-305.018
47284_7284	47284	7284	-3202.84	-93.609	7.282	0.927	-666.432	305.016
47284_7285	47284	7285	3202.841	122.055	-7.282	-0.927	595.68	-1352.67
47285_7285	47285	7285	-3203.17	-183.286	100.057	-10.276	-595.68	1352.546
47285_7286	47285	7286	3203.167	207.207	-100.057	10.276	-221.803	-2947.75
47286_7286	47286	7286	-3202.99	-207.207	105.532	-5.237	221.803	2947.76
47286_7287	47286	7287	3202.991	228.717	-105.532	5.237	-997.097	-4549.02
47287_7287	47287	7287	-3202.75	-228.717	112.659	-4.737	997.097	4259.182
47287_7288	47287	7288	3202.748	254.119	-112.659	4.737	-1899.88	-6193.76
47288_7288	47288	7288	99.995	864.926	-19.577	-24.133	306.177	31343.31
47288_7289	47288	7289	-95.568	-818.805	19.577	24.133	-57.26	-20642.5
47289_7289	47289	7289	82.662	820.213	-19.634	43.28	51.303	20642.47
47289_7290	47289	7290	-79.588	-781.876	19.634	-43.28	165.539	-11797.2
47290_7290	47290	7290	57.416	709.351	4.843	-7.242	-161.324	11799.17
47290_7291	47290	7291	-56.013	-684.443	-4.843	7.242	125.598	-6658.72
47291_7291	47291	7291	42.103	685.462	4.827	1.274	-125.96	6658.719
47291_7292	47291	7292	-41.062	-656.508	-4.827	-1.274	83.903	-813.223
47292_7292	47292	7292	29.238	657.159	4.754	6.805	-83.98	809.023
47292_7293	47292	7293	-29.018	-644.863	-4.754	-6.805	63.677	1971.408
47293_7293	47293	7293	20.072	589.823	-0.525	13.89	-63.578	-1971.57
47293_7294	47293	7294	-19.977	-569.318	0.525	-13.89	67.324	6108.631
47294_7294	47294	7294	17.35	569.411	-0.557	2.918	-67.263	-6108.65
47294_7295	47294	7295	-17.35	-544.736	0.557	-2.918	72.05	10897.18
47295_7295	47295	7295	17.349	544.736	-0.597	-21.865	-72.05	-10894.9
47295_7296	47295	7296	-17.349	-521.301	0.597	21.865	76.258	14654
47296_7296	47296	7296	17.43	449.15	3.705	30.594	-76.258	-14625.8
47296_7297	47296	7297	-17.43	-412.779	-3.705	-30.594	35.557	19360.62
47297_7297	47297	7297	17.44	412.779	3.659	-20.399	-35.557	-19360.6
47297_7298	47297	7298	-17.44	-375.06	-3.659	20.399	-6.128	23848.8
47298_7298	47298	7298	17.397	309.814	0.626	57.565	6.128	-23851.5
47298_7299	47298	7299	-17.397	-272.643	-0.626	-57.565	-13.152	27121.47
47299_7299	47299	7299	17.4	272.643	0.562	-41.449	13.152	-27121.5

47299_7300	47299	7300	-17.4	-230.913	-0.562	41.449	-20.237	30295.22
47300_7300	47300	7300	17.398	162.366	0.286	55.811	20.237	-30298.7
47300_7301	47300	7301	-17.398	-122.027	-0.286	-55.811	-23.726	32031.4
47301_7301	47301	7301	17.399	122.027	0.23	-48.173	23.726	-32031.4
47301_7302	47301	7302	-17.399	-83.462	-0.23	48.173	-26.403	33228.28
47302_7302	47302	7302	17.413	13.741	0.953	61.928	26.403	-33231.6
47302_7303	47302	7303	-17.413	28.573	-0.953	-61.928	-38.584	33136.8
47303_7303	47303	7303	17.416	-28.573	0.888	-61.717	38.584	-33136.8
47303_7304	47303	7304	-17.416	65.155	-0.888	61.717	-48.397	32618.95
47304_7304	47304	7304	17.42	-136.335	0.876	59.859	48.397	-32622.6
47304_7305	47304	7305	-17.42	174.587	-0.876	-59.859	-58.52	30826.3
47305_7305	47305	7305	17.423	-174.587	0.814	-49.612	58.52	-30826.3
47305_7306	47305	7306	-17.423	215.201	-0.814	49.612	-68.508	28435.34
47306_7306	47306	7306	17.397	-289.804	-1.027	51.602	68.508	-28438.1
47306_7307	47306	7307	-17.397	329.151	1.027	-51.602	-56.297	24759.84
47307_7307	47307	7307	17.393	-329.151	-1.097	-47.469	56.297	-24759.8
47307_7308	47307	7308	-17.393	368.677	1.097	47.469	-43.199	20594
47308_7308	47308	7308	17.574	-457.451	11.488	31.817	43.199	-20595.7
47308_7309	47308	7309	-17.574	497.18	-11.488	-31.817	-181.061	14867.56
47309_7309	47309	7309	17.623	-497.18	11.413	-30.926	181.061	-14867.6
47309_7310	47309	7310	-17.623	536.302	-11.413	30.926	-315.939	8760.949
47310_7310	47310	7310	17.158	-637.466	-23.619	0.459	315.939	-8761.5
47310_7311	47310	7311	-17.158	681.749	23.619	-0.459	0	-61.633
48000_8000	48000	8000	-1.171	9.835	-9.603	-4.207	0	0.513
48000_8001	48000	8001	1.171	5.367	9.603	4.207	90.328	20.499
48001_8001	48001	8001	-1.165	-5.367	-9.604	-4.195	-90.328	-20.502
48001_8002	48001	8002	1.165	20.146	9.604	4.195	178.149	-96.15
48002_8002	48002	8002	-1.144	20.349	7.558	-5.093	-178.149	96.073
48002_8003	48002	8003	1.144	-0.793	-7.558	5.093	86.696	31.842
48003_8003	48003	8003	-1.151	0.793	7.557	-5.064	-86.696	-31.846
48003_8004	48003	8004	1.151	18.749	-7.557	5.064	-4.68	-76.713
48004_8004	48004	8004	-1.15	20.2	-1.227	-2.93	4.68	76.902
48004_8005	48004	8005	1.15	-0.639	1.227	2.93	10.165	49.21
48005_8005	48005	8005	-1.15	0.639	-1.227	-2.925	-10.165	-49.21
48005_8006	48005	8006	1.15	18.907	1.227	2.925	25	-61.253
48006_8006	48006	8006	-1.148	19.809	0.008	-1.599	-25	61.173
48006_8007	48006	8007	1.148	-0.247	-0.008	1.599	24.906	60.203
48007_8007	48007	8007	-1.148	0.247	0.008	-1.593	-24.906	-60.203
48007_8008	48007	8008	1.148	19.298	-0.008	1.593	24.814	-54.991
48008_8008	48008	8008	-1.148	19.426	0.027	0.055	-24.814	54.994
48008_8009	48008	8009	1.148	0.123	-0.027	-0.055	24.492	61.748
48009_8009	48009	8009	-1.148	-0.123	0.027	0.055	-24.492	-61.748
48009_8010	48009	8010	1.148	19.672	-0.027	-0.055	24.169	-57.973
48010_8010	48010	8010	-1.148	19.186	0.271	1.61	-24.169	58.162
48010_8011	48010	8011	1.148	0.379	-0.271	-1.61	20.885	55.681
48011_8011	48011	8011	-1.148	-0.379	0.271	1.616	-20.885	-55.681
48011_8012	48011	8012	1.148	19.928	-0.271	-1.616	17.604	-67.129
48012_8012	48012	8012	-1.142	18.719	1.575	2.685	-17.604	67.117
48012_8013	48012	8013	1.142	0.834	-1.575	-2.685	-1.455	41.071
48013_8013	48013	8013	-1.142	-0.834	1.575	2.685	1.455	-41.071
48013_8014	48013	8014	1.142	20.387	-1.575	-2.685	-20.515	-87.303
48014_8014	48014	8014	-1.144	17.69	-0.086	3.041	20.515	87.247
48014_8015	48014	8015	1.144	7.677	0.086	-3.041	-19.157	-8.668
48015_8015	48015	8015	-1.144	-7.677	-0.087	3.039	19.157	8.674
48015_8016	48015	8016	1.144	21.011	0.087	-3.039	-18.442	-127.025

48016_8016	48016	8016	-1.154	19.522	1.195	2.25	18.442	127.791
48016_8017	48016	8017	1.154	-0.807	-1.195	-2.25	-32.479	-8.369
48017_8017	48017	8017	-1.154	0.807	1.195	2.252	32.479	8.369
48017_8018	48017	8018	1.154	20.296	-1.195	-2.252	-48.312	-137.471
48018_8018	48018	8018	-1.116	19.471	-4.094	1.391	48.312	137.594
48018_8019	48018	8019	1.116	0.447	4.094	-1.391	2.876	-18.648
48019_8019	48019	8019	-1.116	-0.447	-4.094	1.389	-2.876	18.649
48019_8020	48019	8020	1.116	20.348	4.094	-1.389	54.025	-148.56
48020_8020	48020	8020	-1.179	21.168	3.542	0.646	-54.025	148.603
48020_8021	48020	8021	1.179	-6.039	-3.542	-0.646	20.379	-19.393
48021_8021	48021	8021	-1.18	6.039	3.542	0.649	-20.379	19.394
48021_8022	48021	8022	1.18	6.318	-3.542	-0.649	-7.1	-20.478
48022_8022	48022	8022	-1.18	-6.318	3.542	0.646	7.1	20.478
48022_8023	48022	8023	1.18	18.66	-3.542	-0.646	-34.542	-117.24
48023_8023	48023	8023	-1.169	19.415	-1.145	0.074	34.542	117.206
48023_8024	48023	8024	1.169	-6.673	1.145	-0.074	-25.385	-12.856
48024_8024	48024	8024	-1.17	6.673	-1.143	0.09	25.385	12.856
48024_8025	48024	8025	1.17	6.068	1.143	-0.09	-16.241	-10.435
48025_8025	48025	8025	-1.169	-6.068	-1.145	0.077	16.241	10.435
48025_8026	48025	8026	1.169	18.81	1.145	-0.077	-7.084	-109.941
48026_8026	48026	8026	-1.173	18.956	-0.408	0.029	7.084	109.941
48026_8027	48026	8027	1.173	-9.392	0.408	-0.029	-4.634	-24.838
48027_8027	48027	8027	-1.173	9.392	-0.406	0.066	4.634	24.838
48027_8028	48027	8028	1.173	0.154	0.406	-0.066	-2.199	2.844
48028_8028	48028	8028	-1.173	-0.154	-0.408	0.07	2.199	-2.843
48028_8029	48028	8029	1.173	9.718	0.408	-0.07	0.25	-26.795
48029_8029	48029	8029	-1.173	-9.718	-0.406	0.115	-0.25	26.795
48029_8030	48029	8030	1.173	19.281	0.406	-0.115	2.688	-113.838
48030_8030	48030	8030	-1.171	18.386	0.564	0.141	-2.688	113.801
48030_8031	48030	8031	1.171	-5.65	-0.564	-0.141	-1.821	-17.711
48031_8031	48031	8031	-1.171	5.65	0.564	0.143	1.821	17.711
48031_8032	48031	8032	1.171	7.101	-0.564	-0.143	-6.336	-23.517
48032_8032	48032	8032	-1.17	-7.101	0.565	0.169	6.336	23.516
48032_8033	48032	8033	1.17	19.835	-0.565	-0.169	-10.855	-131.181
48033_8033	48033	8033	-1.184	18.654	-1.746	-0.272	10.855	131.201
48033_8034	48033	8034	1.184	-6.309	1.746	0.272	2.68	-34.462
48034_8034	48034	8034	-1.187	6.309	-1.745	-0.228	-2.68	34.462
48034_8035	48034	8035	1.187	6.035	1.745	0.228	16.202	-33.398
48035_8035	48035	8035	-1.186	-6.035	-1.745	-0.242	-16.202	33.398
48035_8036	48035	8036	1.186	21.165	1.745	0.242	32.781	-162.576
48036_8036	48036	8036	-1.161	20.891	2.394	-0.97	-32.781	162.639
48036_8037	48036	8037	1.161	-0.974	-2.394	0.97	2.853	-25.946
48037_8037	48037	8037	-1.161	0.974	2.393	-0.972	-2.853	25.946
48037_8038	48037	8038	1.161	18.927	-2.393	0.972	-27.05	-138.096
48038_8038	48038	8038	-1.187	15.056	-0.436	-2.057	27.05	138.254
48038_8039	48038	8039	1.187	6.051	0.436	2.057	-21.275	-78.587
48039_8039	48039	8039	-1.187	-6.051	-0.436	-1.848	21.275	77.718
48039_8040	48039	8040	1.187	24.421	0.436	1.848	-16.148	-256.809
48040_8040	48040	8040	-1.206	18.808	-2	-3.366	16.148	256.954
48040_8041	48040	8041	1.206	-5.918	2	3.366	0.351	-154.983
48041_8041	48041	8041	-1.205	5.918	-2.001	-3.441	-0.351	154.981
48041_8042	48041	8042	1.205	17.948	2.001	3.441	30.908	-246.839
48042_8042	48042	8042	-1.209	20.541	0.084	-2.398	-30.908	247.025
48042_8043	48042	8043	1.209	-1.96	-0.084	2.398	29.912	-113.268
48043_8043	48043	8043	-1.209	1.96	0.084	-2.39	-29.912	113.268

48043_8044	48043	8044	1.209	16.637	-0.084	2.39	28.915	-200.591
48044_8044	48044	8044	-1.209	19.731	-0.254	-0.6	-28.915	200.302
48044_8045	48044	8045	1.209	-1.15	0.254	0.6	31.929	-76.178
48045_8045	48045	8045	-1.209	1.15	-0.255	-0.664	-31.929	76.177
48045_8046	48045	8046	1.209	17.433	0.255	0.664	34.956	-172.984
48046_8046	48046	8046	-1.208	19.225	0.12	1.253	-34.956	172.776
48046_8047	48046	8047	1.208	-0.652	-0.12	-1.253	33.528	-54.666
48047_8047	48047	8047	-1.209	0.652	0.119	1.211	-33.528	54.667
48047_8048	48047	8048	1.209	17.938	-0.119	-1.211	32.11	-157.468
48048_8048	48048	8048	-1.206	18.863	1.001	2.759	-32.11	157.352
48048_8049	48048	8049	1.206	-0.29	-1.001	-2.759	20.21	-43.545
48049_8049	48049	8049	-1.207	0.29	1	2.726	-20.21	43.547
48049_8050	48049	8050	1.207	18.3	-1	-2.726	8.311	-150.656
48050_8050	48050	8050	-1.202	17.595	0.752	3.541	-8.311	150.44
48050_8051	48050	8051	1.202	6.271	-0.752	-3.541	-3.168	-63.977
48051_8051	48051	8051	-1.202	-6.271	0.752	3.541	3.168	63.981
48051_8052	48051	8052	1.202	19.16	-0.752	-3.541	-9.368	-168.849
48052_8052	48052	8052	-1.196	20.472	0.316	2.544	9.368	168.918
48052_8053	48052	8053	1.196	-2.095	-0.316	-2.544	-13.085	-36.247
48053_8053	48053	8053	-1.196	2.095	0.315	2.483	13.085	36.261
48053_8054	48053	8054	1.196	17.966	-0.315	-2.483	-17.259	-141.36
48054_8054	48054	8054	-1.175	18.357	-3.267	1.609	17.259	141.499
48054_8055	48054	8055	1.175	0.587	3.267	-1.609	23.599	-30.38
48055_8055	48055	8055	-1.178	-0.587	-3.266	1.631	-23.599	30.378
48055_8056	48055	8056	1.178	19.515	3.266	-1.631	64.412	-155.977
48056_8056	48056	8056	-1.192	20.15	2.503	0.928	-64.412	155.941
48056_8057	48056	8057	1.192	-5.763	-2.503	-0.928	40.638	-32.879
48057_8057	48057	8057	-1.19	5.763	2.504	0.958	-40.638	32.88
48057_8058	48057	8058	1.19	5.979	-2.504	-0.958	21.227	-33.717
48058_8058	48058	8058	-1.19	-5.979	2.504	0.958	-21.227	33.717
48058_8059	48058	8059	1.19	17.722	-2.504	-0.958	1.815	-125.588
48059_8059	48059	8059	-1.178	18.885	0.494	0.513	-1.815	125.572
48059_8060	48059	8060	1.178	-6.767	-0.494	-0.513	-2.135	-22.957
48060_8060	48060	8060	-1.178	6.767	0.494	0.513	2.135	22.957
48060_8061	48060	8061	1.178	5.351	-0.494	-0.513	-6.085	-17.29
48061_8061	48061	8061	-1.178	-5.351	0.494	0.513	6.085	17.29
48061_8062	48061	8062	1.178	17.468	-0.494	-0.513	-10.035	-108.57
48062_8062	48062	8062	-1.181	18.35	0.661	0.584	10.035	108.332
48062_8063	48062	8063	1.181	-9.269	-0.661	-0.584	-14	-25.54
48063_8063	48063	8063	-1.181	9.269	0.661	0.584	14	25.54
48063_8064	48063	8064	1.181	-0.187	-0.661	-0.584	-17.966	2.807
48064_8064	48064	8064	-1.18	0.187	0.664	0.579	17.966	-2.808
48064_8065	48064	8065	1.18	8.908	-0.664	-0.579	-21.95	-23.373
48065_8065	48065	8065	-1.181	-8.908	0.661	0.538	21.95	23.374
48065_8066	48065	8066	1.181	17.989	-0.661	-0.538	-25.916	-104.002
48066_8066	48066	8066	-1.173	18.086	1.367	0.516	25.916	104.163
48066_8067	48066	8067	1.173	-5.957	-1.367	-0.516	-36.866	-7.902
48067_8067	48067	8067	-1.173	5.957	1.367	0.515	36.866	7.903
48067_8068	48067	8068	1.173	6.157	-1.367	-0.515	-47.801	-8.702
48068_8068	48068	8068	-1.174	-6.157	1.366	0.504	47.801	8.703
48068_8069	48068	8069	1.174	18.272	-1.366	-0.504	-58.726	-106.395
48069_8069	48069	8069	-1.196	17.477	-2.903	-0.005	58.726	106.459
48069_8070	48069	8070	1.196	-5.743	2.903	0.005	-36.237	-16.52
48070_8070	48070	8070	-1.196	5.743	-2.903	-0.003	36.237	16.52
48070_8071	48070	8071	1.196	6.006	2.903	0.003	-13.719	-17.541

48071_8071	48071	8071	-1.192	-6.006	-2.905	-0.04	13.719	17.544
48071_8072	48071	8072	1.192	20.398	2.905	0.04	13.882	-142.983
48072_8072	48072	8072	-1.129	20.323	2.825	-0.746	-13.882	142.915
48072_8073	48072	8073	1.129	-1.401	-2.825	0.746	-21.414	-7.214
48073_8073	48073	8073	-1.131	1.401	2.824	-0.751	21.414	7.214
48073_8074	48073	8074	1.131	17.538	-2.824	0.751	-56.729	-108.106
48074_8074	48074	8074	-1.165	15.358	-0.505	-1.841	56.729	108.179
48074_8075	48074	8075	1.165	4.704	0.505	1.841	-50.043	-37.624
48075_8075	48075	8075	-1.165	-4.704	-0.505	-1.53	50.043	37.621
48075_8076	48075	8076	1.165	22.114	0.505	1.53	-44.108	-195.203
48076_8076	48076	8076	-1.187	17.607	-1.819	-2.916	44.108	195.255
48076_8077	48076	8077	1.187	-5.379	1.819	2.916	-29.093	-100.398
48077_8077	48077	8077	-1.188	5.379	-1.819	-2.861	29.093	100.403
48077_8078	48077	8078	1.188	15.127	1.819	2.861	-3.919	-167.866
48078_8078	48078	8078	-1.185	17.755	-0.286	-2.409	3.919	167.925
48078_8079	48078	8079	1.185	-1.195	0.286	2.409	-0.721	-62.018
48079_8079	48079	8079	-1.185	1.195	-0.287	-2.464	0.721	62.016
48079_8080	48079	8080	1.185	15.365	0.287	2.464	2.489	-141.216
48080_8080	48080	8080	-1.187	16.83	-0.34	-1.372	-2.489	141.226
48080_8081	48080	8081	1.187	-0.274	0.34	1.372	6.293	-45.654
48081_8081	48081	8081	-1.187	0.274	-0.34	-1.37	-6.293	45.654
48081_8082	48081	8082	1.187	16.296	0.34	1.37	10.1	-135.254
48082_8082	48082	8082	-1.186	18.064	-0.074	-0.037	-10.1	135.103
48082_8083	48082	8083	1.186	-0.277	0.074	0.037	10.992	-25.005
48083_8083	48083	8083	-1.186	0.277	-0.074	-0.036	-10.992	25.005
48083_8084	48083	8084	1.186	17.524	0.074	0.036	11.885	-128.627
48084_8084	48084	8084	-1.187	16.725	-0.083	1.301	-11.885	128.633
48084_8085	48084	8085	1.187	-0.173	0.083	-1.301	12.817	-34.234
48085_8085	48085	8085	-1.187	0.173	-0.083	1.303	-12.817	34.234
48085_8086	48085	8086	1.187	16.393	0.083	-1.303	13.75	-124.925
48086_8086	48086	8086	-1.186	16.273	0.722	2.318	-13.75	124.784
48086_8087	48086	8087	1.186	0.294	-0.722	-2.318	5.678	-35.441
48087_8087	48087	8087	-1.186	-0.294	0.722	2.317	-5.678	35.442
48087_8088	48087	8088	1.186	16.846	-0.722	-2.317	-2.386	-131.188
48088_8088	48088	8088	-1.184	14.314	0.299	2.868	2.386	131.176
48088_8089	48088	8089	1.184	5.422	-0.299	-2.868	-6.368	-71.945
48089_8089	48089	8089	-1.184	-5.422	0.299	2.894	6.368	71.947
48089_8090	48089	8090	1.184	17.64	-0.299	-2.894	-8.836	-167.051
48090_8090	48090	8090	-1.186	18.582	0.539	2.16	8.836	167.073
48090_8091	48090	8091	1.186	-1.174	-0.539	-2.16	-15.175	-51.002
48091_8091	48091	8091	-1.186	1.174	0.54	2.164	15.175	51.016
48091_8092	48091	8092	1.186	18.164	-0.54	-2.164	-22.329	-163.593
48092_8092	48092	8092	-1.17	17.992	-2.959	1.272	22.329	163.418
48092_8093	48092	8093	1.17	0.248	2.959	-1.272	14.651	-52.528
48093_8093	48093	8093	-1.17	-0.248	-2.959	1.272	-14.651	52.528
48093_8094	48093	8094	1.17	18.487	2.959	-1.272	51.631	-169.607
48094_8094	48094	8094	-1.18	19.294	2.544	0.575	-51.631	169.552
48094_8095	48094	8095	1.18	-5.436	-2.544	-0.575	27.47	-52.126
48095_8095	48095	8095	-1.178	5.436	2.545	0.614	-27.47	52.131
48095_8096	48095	8096	1.178	5.882	-2.545	-0.614	7.734	-53.86
48096_8096	48096	8096	-1.182	-5.882	2.543	0.542	-7.734	53.861
48096_8097	48096	8097	1.182	17.185	-2.543	-0.542	-11.965	-143.195
48097_8097	48097	8097	-1.166	18.051	-0.405	0.096	11.965	143.185
48097_8098	48097	8098	1.166	-6.371	0.405	-0.096	-8.719	-45.448
48098_8098	48098	8098	-1.166	6.371	-0.407	0.038	8.719	45.448

48098_8099	48098	8099	1.166	5.296	0.407	-0.038	-5.465	-41.151
48099_8099	48099	8099	-1.166	-5.296	-0.405	0.091	5.465	41.151
48099_8100	48099	8100	1.166	16.976	0.405	-0.091	-2.22	-130.285
48100_8100	48100	8100	-1.165	17.57	0.118	0.022	2.22	130.307
48100_8101	48100	8101	1.165	-8.824	-0.118	-0.022	-2.928	-51.213
48101_8101	48101	8101	-1.165	8.824	0.118	0.025	2.928	51.213
48101_8102	48101	8102	1.165	-0.064	-0.118	-0.025	-3.638	-24.535
48102_8102	48102	8102	-1.165	0.064	0.118	0.025	3.638	24.535
48102_8103	48102	8103	1.165	8.697	-0.118	-0.025	-4.347	-50.449
48103_8103	48103	8103	-1.165	-8.697	0.12	0.109	4.347	50.449
48103_8104	48103	8104	1.165	17.457	-0.12	-0.109	-5.069	-128.95
48104_8104	48104	8104	-1.171	17.209	0.814	-0.001	5.069	128.792
48104_8105	48104	8105	1.171	-5.544	-0.814	0.001	-11.574	-37.851
48105_8105	48105	8105	-1.17	5.544	0.815	0.048	11.574	37.851
48105_8106	48105	8106	1.17	6.135	-0.815	-0.048	-18.1	-40.213
48106_8106	48106	8106	-1.17	-6.135	0.815	0.046	18.1	40.213
48106_8107	48106	8107	1.17	17.799	-0.815	-0.046	-24.617	-135.868
48107_8107	48107	8107	-1.182	17	-2.252	-0.468	24.617	135.9
48107_8108	48107	8108	1.182	-5.686	2.252	0.468	-7.153	-47.954
48108_8108	48108	8108	-1.182	5.686	-2.252	-0.468	7.153	47.954
48108_8109	48108	8109	1.182	5.629	2.252	0.468	10.311	-47.733
48109_8109	48109	8109	-1.184	-5.629	-2.251	-0.405	-10.311	47.731
48109_8110	48109	8110	1.184	19.483	2.251	0.405	31.681	-166.932
48110_8110	48110	8110	-1.169	19.204	2.659	-1.138	-31.681	167.012
48110_8111	48110	8111	1.169	-0.958	-2.659	1.138	-1.567	-40.959
48111_8111	48111	8111	-1.167	0.958	2.66	-1.105	1.567	40.96
48111_8112	48111	8112	1.167	17.288	-2.66	1.105	-34.825	-143.053
48112_8112	48112	8112	-1.196	14.499	-0.662	-2.145	34.825	143.092
48112_8113	48112	8113	1.196	4.828	0.662	2.145	-26.052	-79.05
48113_8113	48113	8113	-1.196	-4.828	-0.662	-1.957	26.052	79.032
48113_8114	48113	8114	1.196	21.94	0.662	1.957	-18.271	-236.338
48114_8114	48114	8114	-1.211	16.858	-1.427	-2.881	18.271	236.384
48114_8115	48114	8115	1.211	-4.845	1.427	2.881	-6.493	-146.843
48115_8115	48115	8115	-1.208	4.845	-1.43	-3.182	6.493	146.837
48115_8116	48115	8116	1.208	15.31	1.43	3.182	13.3	-219.271
48116_8116	48116	8116	-1.209	18.132	-0.005	-2.637	-13.3	219.29
48116_8117	48116	8117	1.209	-1.866	0.005	2.637	13.352	-107.582
48117_8117	48117	8117	-1.209	1.866	-0.004	-2.539	-13.352	107.584
48117_8118	48117	8118	1.209	14.415	0.004	2.539	13.392	-177.747
48118_8118	48118	8118	-1.21	17.017	-0.312	-1.494	-13.392	177.754
48118_8119	48118	8119	1.21	-0.737	0.312	1.494	16.876	-78.495
48119_8119	48119	8119	-1.21	0.737	-0.311	-1.425	-16.876	78.496
48119_8120	48119	8120	1.21	15.527	0.311	1.425	20.345	-161.107
48120_8120	48120	8120	-1.21	18.214	0.026	-0.04	-20.345	161.317
48120_8121	48120	8121	1.21	-0.726	-0.026	0.04	20.033	-47.57
48121_8121	48121	8121	-1.21	0.726	0.027	0	-20.033	47.57
48121_8122	48121	8122	1.21	16.762	-0.027	0	19.71	-143.876
48122_8122	48122	8122	-1.21	16.815	0.022	1.478	-19.71	143.874
48122_8123	48122	8123	1.21	-0.536	-0.022	-1.478	19.465	-46.873
48123_8123	48123	8123	-1.21	0.536	0.023	1.519	-19.465	46.871
48123_8124	48123	8124	1.21	15.742	-0.023	-1.519	19.209	-131.874
48124_8124	48124	8124	-1.21	16.289	0.718	2.725	-19.209	131.881
48124_8125	48124	8125	1.21	-0.025	-0.718	-2.725	11.192	-40.763
48125_8125	48125	8125	-1.21	0.025	0.718	2.726	-11.192	40.763
48125_8126	48125	8126	1.21	16.254	-0.718	-2.726	3.168	-131.485

48126_8126	48126	8126	-1.208	14.27	1.382	3.314	-3.168	131.62
48126_8127	48126	8127	1.208	5.328	-1.382	-3.314	-15.44	-71.44
48127_8127	48127	8127	-1.209	-5.328	1.381	3.253	15.44	71.443
48127_8128	48127	8128	1.209	17.34	-1.381	-3.253	-26.838	-164.949
48128_8128	48128	8128	-1.213	18.452	0.987	2.478	26.838	164.773
48128_8129	48128	8129	1.213	-1.344	-0.987	-2.478	-38.434	-48.473
48129_8129	48129	8129	-1.211	1.344	0.989	2.49	38.434	48.486
48129_8130	48129	8130	1.211	17.955	-0.989	-2.49	-51.533	-158.535
48130_8130	48130	8130	-1.197	17.101	-5.852	1.89	51.533	158.386
48130_8131	48130	8131	1.197	1.105	5.852	-1.89	21.619	-58.411
48131_8131	48131	8131	-1.197	-1.105	-5.852	1.89	-21.619	58.411
48131_8132	48131	8132	1.197	19.311	5.852	-1.89	94.771	-186.009
48132_8132	48132	8132	-2.956	18.377	5.444	0.772	-94.771	154.166
48132_8133	48132	8133	2.956	-4.541	-5.444	-0.772	43.056	-45.307
48133_8133	48133	8133	-2.965	4.541	5.439	0.703	-43.056	45.308
48133_8134	48133	8134	2.965	6.747	-5.439	-0.703	0.903	-53.857
48134_8134	48134	8134	-2.958	-6.747	5.443	0.772	-0.903	53.856
48134_8135	48134	8135	2.958	18.035	-5.443	-0.772	-41.28	-149.885
48135_8135	48135	8135	-2.94	18.386	-1.072	0.32	41.28	150.086
48135_8136	48135	8136	2.94	-6.735	1.072	-0.32	-32.707	-49.602
48136_8136	48136	8136	-2.94	6.735	-1.072	0.32	32.707	49.602
48136_8137	48136	8137	2.94	4.917	1.072	-0.32	-24.135	-42.331
48137_8137	48137	8137	-2.939	-4.917	-1.075	0.267	24.135	42.332
48137_8138	48137	8138	2.939	16.569	1.075	-0.267	-15.533	-128.276
48138_8138	48138	8138	-2.941	17.48	-0.412	0.223	15.533	128.276
48138_8139	48138	8139	2.941	-8.742	0.412	-0.223	-13.058	-49.61
48139_8139	48139	8139	-2.942	8.742	-0.407	0.306	13.058	49.609
48139_8140	48139	8140	2.942	-0.003	0.407	-0.306	-10.613	-23.377
48140_8140	48140	8140	-2.941	0.003	-0.412	0.267	10.613	23.377
48140_8141	48140	8141	2.941	8.736	0.412	-0.267	-8.139	-49.578
48141_8141	48141	8141	-2.941	-8.736	-0.412	0.267	8.139	49.578
48141_8142	48141	8142	2.941	17.475	0.412	-0.267	-5.665	-128.212
48142_8142	48142	8142	-2.943	17.137	0.921	0.409	5.665	128.212
48142_8143	48142	8143	2.943	-5.485	-0.921	-0.409	-13.033	-37.726
48143_8143	48143	8143	-2.944	5.485	0.917	0.362	13.033	37.726
48143_8144	48143	8144	2.944	6.167	-0.917	-0.362	-20.371	-40.455
48144_8144	48144	8144	-2.943	-6.167	0.921	0.413	20.371	40.455
48144_8145	48144	8145	2.943	17.819	-0.921	-0.413	-27.739	-136.398
48145_8145	48145	8145	-2.937	16.798	-2.736	0.038	27.739	136.398
48145_8146	48145	8146	2.937	-5.511	2.736	-0.038	-6.533	-49.95
48146_8146	48146	8146	-2.934	5.511	-2.74	-0.026	6.533	49.95
48146_8147	48146	8147	2.934	5.777	2.74	0.026	14.702	-50.983
48147_8147	48147	8147	-2.936	-5.777	-2.738	0.025	-14.702	50.979
48147_8148	48147	8148	2.936	19.614	2.738	-0.025	40.712	-171.585
48148_8148	48148	8148	-2.946	19.515	3.119	-0.694	-40.712	171.584
48148_8149	48148	8149	2.946	-1.31	-3.119	0.694	1.72	-41.427
48149_8149	48149	8149	-2.949	1.31	3.117	-0.727	-1.72	41.427
48149_8150	48149	8150	2.949	16.896	-3.117	0.727	-37.244	-138.845
48150_8150	48150	8150	-2.94	13.823	-0.792	-1.609	37.244	138.844
48150_8151	48150	8151	2.94	5.476	0.792	1.609	-26.745	-83.544
48151_8151	48151	8151	-2.941	-5.476	-0.791	-1.521	26.745	82.354
48151_8152	48151	8152	2.941	23.326	0.791	1.521	-17.451	-251.563
48152_8152	48152	8152	-2.939	17.229	-1.122	-2.429	17.451	251.56
48152_8153	48152	8153	2.939	-4.696	1.122	2.429	-8.198	-161.121
48153_8153	48153	8153	-2.94	4.696	-1.12	-2.306	8.198	161.114

48153_8154	48153	8154	2.94	16.193	1.12	2.306	7.196	-240.16
48154_8154	48154	8154	-2.941	18.785	-0.523	-1.763	-7.196	240.161
48154_8155	48154	8155	2.941	-2.074	0.523	1.763	12.95	-125.44
48155_8155	48155	8155	-2.94	2.074	-0.526	-1.877	-12.95	125.439
48155_8156	48155	8156	2.94	14.637	0.526	1.877	18.734	-194.539
48156_8156	48156	8156	-2.941	16.549	-0.31	-0.745	-18.734	194.542
48156_8157	48156	8157	2.941	-1.358	0.31	0.745	21.838	-105.006
48157_8157	48157	8157	-2.941	1.358	-0.31	-0.745	-21.838	105.006
48157_8158	48157	8158	2.941	13.834	0.31	0.745	24.942	-167.389
48158_8158	48158	8158	-2.942	15.331	0.082	0.53	-24.942	167.39
48158_8159	48158	8159	2.942	-0.139	-0.082	-0.53	24.126	-90.043
48159_8159	48159	8159	-2.942	0.139	0.079	0.44	-24.126	90.043
48159_8160	48159	8160	2.942	15.053	-0.079	-0.44	23.338	-164.614
48160_8160	48160	8160	-2.944	16.647	0.655	1.667	-23.338	164.779
48160_8161	48160	8161	2.944	0.064	-0.655	-1.667	16.128	-73.567
48161_8161	48161	8161	-2.944	-0.064	0.658	1.733	-16.128	73.565
48161_8162	48161	8162	2.944	16.774	-0.658	-1.733	8.888	-166.175
48162_8162	48162	8162	-2.945	15.39	1.206	2.467	-8.888	166.177
48162_8163	48162	8163	2.945	5.499	-1.206	-2.467	-7.692	-98.174
48163_8163	48163	8163	-2.946	-5.499	1.204	2.389	7.692	98.168
48163_8164	48163	8164	2.946	18.032	-1.204	-2.389	-17.623	-195.232
48164_8164	48164	8164	-2.944	19.561	1.007	1.956	17.623	195.228
48164_8165	48164	8165	2.944	-1.711	-1.007	-1.956	-29.455	-70.254
48165_8165	48165	8165	-2.945	1.711	1.006	1.89	29.455	70.648
48165_8166	48165	8166	2.945	18.955	-1.006	-1.89	-42.78	-184.889
48166_8166	48166	8166	-2.935	18.879	-4.606	1.092	42.78	184.735
48166_8167	48166	8167	2.935	0.617	4.606	-1.092	14.801	-70.593
48167_8167	48167	8167	-2.939	-0.617	-4.604	1.148	-14.801	70.592
48167_8168	48167	8168	2.939	20.113	4.604	-1.148	72.352	-200.149
48168_8168	48168	8168	-2.962	20.694	4.294	0.469	-72.352	200.004
48168_8169	48168	8169	2.962	-5.877	-4.294	-0.469	31.562	-73.792
48169_8169	48169	8169	-2.965	5.877	4.292	0.402	-31.562	73.788
48169_8170	48169	8170	2.965	6.211	-4.292	-0.402	-1.698	-75.08
48170_8170	48170	8170	-2.96	-6.211	4.295	0.499	1.698	75.08
48170_8171	48170	8171	2.96	18.298	-4.295	-0.499	-34.987	-170.051
48171_8171	48171	8171	-2.954	19.474	-0.867	-0.027	34.987	169.885
48171_8172	48171	8172	2.954	-6.997	0.867	0.027	-28.054	-64.001
48172_8172	48172	8172	-2.953	6.997	-0.87	-0.107	28.054	64.001
48172_8173	48172	8173	2.953	5.481	0.87	0.107	-21.091	-57.937
48173_8173	48173	8173	-2.954	-5.481	-0.867	-0.034	21.091	57.937
48173_8174	48173	8174	2.954	17.958	0.867	0.034	-14.158	-151.693
48174_8174	48174	8174	-2.956	18.85	0.089	-0.036	14.158	151.538
48174_8175	48174	8175	2.956	-9.492	-0.089	0.036	-14.689	-66.51
48175_8175	48175	8175	-2.956	9.492	0.089	-0.036	14.689	66.51
48175_8176	48175	8176	2.956	-0.134	-0.089	0.036	-15.22	-37.631
48176_8176	48176	8176	-2.956	0.134	0.093	0.027	15.22	37.631
48176_8177	48176	8177	2.956	9.224	-0.093	-0.027	-15.781	-64.901
48177_8177	48177	8177	-2.956	-9.224	0.089	-0.082	15.781	64.901
48177_8178	48177	8178	2.956	18.582	-0.089	0.082	-16.312	-148.319
48178_8178	48178	8178	-2.959	18.44	1.109	-0.005	16.312	148.164
48178_8179	48178	8179	2.959	-5.963	-1.109	0.005	-25.182	-50.552
48179_8179	48179	8179	-2.958	5.963	1.112	0.058	25.182	50.552
48179_8180	48179	8180	2.958	6.515	-1.112	-0.058	-34.081	-52.76
48180_8180	48180	8180	-2.958	-6.515	1.112	0.058	34.081	52.76
48180_8181	48180	8181	2.958	18.992	-1.112	-0.058	-42.98	-154.787

48181_8181	48181	8181	-2.944	17.946	-4.494	-0.365	42.98	154.627
48181_8182	48181	8182	2.944	-5.858	4.494	0.365	-8.154	-62.386
48182_8182	48182	8182	-2.95	5.858	-4.49	-0.284	8.154	62.386
48182_8183	48182	8183	2.95	6.229	4.49	0.284	26.643	-63.824
48183_8183	48183	8183	-2.948	-6.229	-4.492	-0.299	-26.643	63.818
48183_8184	48183	8184	2.948	21.046	4.492	0.299	69.313	-193.376
48184_8184	48184	8184	-2.972	20.888	4.965	-0.969	-69.313	193.24
48184_8185	48184	8185	2.972	-1.392	-4.965	0.969	7.256	-53.994
48185_8185	48185	8185	-2.968	1.392	4.967	-0.925	-7.256	53.995
48185_8186	48185	8186	2.968	18.104	-4.967	0.925	-54.83	-158.449
48186_8186	48186	8186	-2.96	15.68	-1.203	-1.648	54.83	158.305
48186_8187	48186	8187	2.96	4.986	1.203	1.648	-38.891	-87.457
48187_8187	48187	8187	-2.959	-4.986	-1.204	-1.708	38.891	86.979
48187_8188	48187	8188	2.959	24.102	1.204	1.708	-24.743	-257.869
48188_8188	48188	8188	-2.961	19.343	-1.676	-2.826	24.743	257.686
48188_8189	48188	8189	2.961	-5.921	1.676	2.826	-10.913	-153.475
48189_8189	48189	8189	-2.96	5.921	-1.678	-2.919	10.913	153.492
48189_8190	48189	8190	2.96	16.449	1.678	2.919	12.157	-225.871
48190_8190	48190	8190	-2.959	19.606	-1.114	-2.503	-12.157	225.703
48190_8191	48190	8191	2.959	-1.71	1.114	2.503	24.405	-108.464
48191_8191	48191	8191	-2.96	1.71	-1.111	-2.405	-24.405	108.466
48191_8192	48191	8192	2.96	16.185	1.111	2.405	36.625	-188.081
48192_8192	48192	8192	-2.961	17.387	-0.361	-0.914	-36.625	187.91
48192_8193	48192	8193	2.961	-1.183	0.361	0.914	40.215	-95.433
48193_8193	48193	8193	-2.961	1.183	-0.361	-0.914	-40.215	95.433
48193_8194	48193	8194	2.961	15.037	0.361	0.914	43.81	-164.496
48194_8194	48194	8194	-2.966	16.132	0.381	0.788	-43.81	164.506
48194_8195	48194	8195	2.966	0.088	-0.381	-0.788	40.01	-84.522
48195_8195	48195	8195	-2.966	-0.088	0.381	0.788	-40.01	84.522
48195_8196	48195	8196	2.966	16.308	-0.381	-0.788	36.211	-166.252
48196_8196	48196	8196	-2.967	17.655	0.621	2.483	-36.211	166.092
48196_8197	48196	8197	2.967	0.241	-0.621	-2.483	29.375	-70.314
48197_8197	48197	8197	-2.967	-0.241	0.621	2.483	-29.375	70.314
48197_8198	48197	8198	2.967	18.136	-0.621	-2.483	22.539	-171.388
48198_8198	48198	8198	-2.97	16.405	1.038	3.481	-22.539	171.233
48198_8199	48198	8199	2.97	5.964	-1.038	-3.481	8.27	-99.451
48199_8199	48199	8199	-2.971	-5.964	1.036	3.404	-8.27	99.448
48199_8200	48199	8200	2.971	19.37	-1.036	-3.404	-0.264	-203.825
48200_8200	48200	8200	-2.96	21.094	0.308	2.815	0.264	204.003
48200_8201	48200	8201	2.96	-1.978	-0.308	-2.815	-3.878	-68.454
48201_8201	48201	8201	-2.96	1.978	0.306	2.738	3.878	68.695
48201_8202	48201	8202	2.96	20.421	-0.306	-2.738	-7.936	-190.878
48202_8202	48202	8202	-2.918	20.342	-4.348	1.772	7.936	191.036
48202_8203	48202	8203	2.918	0.789	4.348	-1.772	46.415	-68.829
48203_8203	48203	8203	-2.918	-0.789	-4.348	1.772	-46.415	68.829
48203_8204	48203	8204	2.918	21.92	4.348	-1.772	100.766	-210.762
48204_8204	48204	8204	-3.016	22.41	3.864	0.987	-100.766	210.826
48204_8205	48204	8205	3.016	-6.35	-3.864	-0.987	64.056	-74.216
48205_8205	48205	8205	-3.014	6.35	3.866	1.004	-64.056	74.206
48205_8206	48205	8206	3.014	6.751	-3.866	-1.004	34.096	-75.759
48206_8206	48206	8206	-3.014	-6.751	3.866	1.004	-34.096	75.759
48206_8207	48206	8207	3.014	19.852	-3.866	-1.004	4.135	-178.847
48207_8207	48207	8207	-2.988	20.904	0.291	0.539	-4.135	179.002
48207_8208	48207	8208	2.988	-7.38	-0.291	-0.539	1.805	-65.867
48208_8208	48208	8208	-2.988	7.38	0.291	0.539	-1.805	65.867

48208_8209	48208	8209	2.988	6.144	-0.291	-0.539	-0.526	-60.923
48209_8209	48209	8209	-2.988	-6.144	0.291	0.539	0.526	60.923
48209_8210	48209	8210	2.988	19.668	-0.291	-0.539	-2.856	-164.168
48210_8210	48210	8210	-2.981	20.424	0.662	0.631	2.856	164.356
48210_8211	48210	8211	2.981	-10.281	-0.662	-0.631	-6.826	-72.243
48211_8211	48211	8211	-2.981	10.281	0.662	0.631	6.826	72.243
48211_8212	48211	8212	2.981	-0.138	-0.662	-0.631	-10.796	-40.987
48212_8212	48212	8212	-2.98	0.138	0.667	0.699	10.796	40.986
48212_8213	48212	8213	2.98	10.005	-0.667	-0.699	-14.796	-70.587
48213_8213	48213	8213	-2.981	-10.005	0.662	0.582	14.796	70.588
48213_8214	48213	8214	2.981	20.148	-0.662	-0.582	-18.766	-161.046
48214_8214	48214	8214	-2.963	20.079	1.135	0.858	18.766	161.239
48214_8215	48214	8215	2.963	-6.555	-1.135	-0.858	-27.844	-54.705
48215_8215	48215	8215	-2.963	6.555	1.135	0.858	27.844	54.705
48215_8216	48215	8216	2.963	6.969	-1.135	-0.858	-36.921	-56.364
48216_8216	48216	8216	-2.963	-6.969	1.135	0.858	36.921	56.364
48216_8217	48216	8217	2.963	20.493	-1.135	-0.858	-45.999	-166.218
48217_8217	48217	8217	-2.965	19.487	-3.654	0.865	45.999	166.205
48217_8218	48217	8218	2.965	-6.386	3.654	-0.865	-17.677	-65.946
48218_8218	48218	8218	-2.965	6.386	-3.654	0.865	17.677	65.946
48218_8219	48218	8219	2.965	6.716	3.654	-0.865	10.646	-67.226
48219_8219	48219	8219	-2.965	-6.716	-3.655	0.862	-10.646	67.224
48219_8220	48219	8220	2.965	22.776	3.655	-0.862	45.368	-207.31
48220_8220	48220	8220	-2.874	22.665	4.491	0.077	-45.368	207.35
48220_8221	48220	8221	2.874	-1.544	-4.491	-0.077	-10.748	-56.111
48221_8221	48221	8221	-2.874	1.544	4.491	0.076	10.748	56.111
48221_8222	48221	8222	2.874	19.593	-4.491	-0.076	-66.907	-168.953
48222_8222	48222	8222	-3.005	17.324	-2.069	-0.523	66.907	168.95
48222_8223	48222	8223	3.005	5.082	2.069	0.523	-39.48	-87.819
48223_8223	48223	8223	-3.004	-5.082	-2.07	0.086	39.48	86.368
48223_8224	48223	8224	3.004	25.774	2.07	-0.086	-15.176	-267.553
48224_8224	48224	8224	-2.96	21.291	0.292	-1.636	15.176	267.48
48224_8225	48224	8225	2.96	-6.762	-0.292	1.636	-17.58	-151.818
48225_8225	48225	8225	-2.959	6.762	0.295	-1.47	17.58	151.807
48225_8226	48225	8226	2.959	19.193	-0.295	1.47	-21.924	-243.369
48226_8226	48226	8226	-2.978	21.503	-1.191	-0.847	21.924	243.307
48226_8227	48226	8227	2.978	-1.261	1.191	0.847	-8.236	-112.546
48227_8227	48227	8227	-2.985	1.261	-1.173	-0.162	8.236	112.549
48227_8228	48227	8228	2.985	18.987	1.173	0.162	5.246	-214.395
48228_8228	48228	8228	-2.969	20.505	2.957	0.221	-5.246	214.535
48228_8229	48228	8229	2.969	-0.251	-2.957	-0.221	-28.743	-95.245
48229_8229	48229	8229	-2.967	0.251	2.96	0.308	28.743	95.244
48229_8230	48229	8230	2.967	19.985	-2.96	-0.308	-62.736	-208.568
48230_8230	48230	8230	-2.968	21.456	2.793	0.626	62.736	208.592
48230_8231	48230	8231	2.968	-0.162	-2.793	-0.626	-96.49	-77.961
48231_8231	48231	8231	-2.944	0.162	2.818	1.274	96.49	77.953
48231_8232	48231	8232	2.944	21.124	-2.818	-1.274	-130.528	-204.574
48232_8232	48232	8232	-2.779	20.808	-18.527	3.539	130.528	204.693
48232_8233	48232	8233	2.779	2.885	18.527	-3.539	118.606	-84.192
48233_8233	48233	8233	-2.773	-2.885	-18.528	3.511	-118.606	84.193
48233_8234	48233	8234	2.773	20.257	18.528	-3.511	301.284	-198.281
48234_8234	48234	8234	-1.085	19.564	18.448	-0.812	-301.284	197.519
48234_8235	48234	8235	1.085	-1.802	-18.448	0.812	115.319	-89.832
48235_8235	48235	8235	-0.845	1.802	18.461	0.288	-115.319	89.792
48235_8236	48235	8236	0.845	15.833	-18.461	-0.288	-58.537	-155.859

48236_8236	48236	8236	-0.365	16.354	2.032	0.64	58.537	155.768
48236_8237	48236	8237	0.365	0.793	-2.032	-0.64	-77.141	-84.52
48237_8237	48237	8237	-0.383	-0.793	2.028	-0.098	77.141	84.523
48237_8238	48237	8238	0.383	20.143	-2.028	0.098	-98.102	-192.694
48238_8238	48238	8238	-0.012	23.141	-5.116	0.308	98.102	192.565
48238_8239	48238	8239	0.012	6.62	5.116	-0.308	-16.793	-61.281
48239_8239	48239	8239	-0.016	-6.62	-5.116	0.355	16.793	61.281
48239_8240	48239	8240	0.016	22.723	5.116	-0.355	27.2	-187.448
48240_8240	48240	8240	-0.351	20.963	2.537	-0.424	-27.2	187.403
48240_8241	48240	8241	0.351	-1.691	-2.537	0.424	1.087	-70.825
48241_8241	48241	8241	-0.352	1.691	2.537	-0.453	-1.087	70.824
48241_8242	48241	8242	0.352	15.795	-2.537	0.453	-22.604	-136.678
48242_8242	48242	8242	-0.243	17.631	-0.018	0.301	22.604	136.531
48242_8243	48242	8243	0.243	1.906	0.018	-0.301	-22.415	-54.497
48243_8243	48243	8243	-0.243	-1.906	-0.018	0.262	22.415	54.497
48243_8244	48243	8244	0.243	19.11	0.018	-0.262	-22.247	-151.04
48244_8244	48244	8244	-0.267	19.014	0.707	0.243	22.247	151.007
48244_8245	48244	8245	0.267	-1.331	-0.707	-0.243	-28.922	-54.951
48245_8245	48245	8245	-0.261	1.331	0.709	0.733	28.922	54.946
48245_8246	48245	8246	0.261	17.723	-0.709	-0.733	-36.139	-138.345
48246_8246	48246	8246	-0.276	15.876	1.076	0.569	36.139	138.514
48246_8247	48246	8247	0.276	2.746	-1.076	-0.569	-46.839	-73.225
48247_8247	48247	8247	-0.276	-2.746	1.076	0.549	46.839	73.225
48247_8248	48247	8248	0.276	20.877	-1.076	-0.549	-57.256	-187.592
48248_8248	48248	8248	-0.136	22.424	-4.672	0.1	57.256	187.665
48248_8249	48248	8249	0.136	0.056	4.672	-0.1	-1.173	-53.397
48249_8249	48249	8249	-0.192	-0.056	-4.67	0.741	1.173	53.392
48249_8250	48249	8250	0.192	23.453	4.67	-0.741	57.17	-200.259
48250_8250	48250	8250	-0.293	22.071	3.422	-0.558	-57.17	200.289
48250_8251	48250	8251	0.293	-1.272	-3.422	0.558	19.162	-70.647
48251_8251	48251	8251	-0.29	1.272	3.422	-0.491	-19.162	70.647
48251_8252	48251	8252	0.29	18.417	-3.422	0.491	-16.819	-160.787
48252_8252	48252	8252	-0.275	18.692	1.088	-1.064	16.819	160.73
48252_8253	48252	8253	0.275	3.975	-1.088	1.064	-29.988	-71.654
48253_8253	48253	8253	-0.269	-3.975	1.089	-0.722	29.988	71.658
48253_8254	48253	8254	0.269	21.806	-1.089	0.722	-40.359	-194.4
48254_8254	48254	8254	-0.269	18.994	-1.187	-3.832	40.359	194.202
48254_8255	48254	8255	0.269	4.394	1.187	3.832	-26.311	-107.808
48255_8255	48255	8255	-0.268	-4.394	-1.187	-3.915	26.311	107.805
48255_8256	48255	8256	0.268	29.415	1.187	3.915	-11.28	-321.826
48256_8256	48256	8256	-0.271	23.319	-2.079	-3.773	11.28	321.839
48256_8257	48256	8257	0.271	-0.274	2.079	3.773	12.959	-184.279
48257_8257	48257	8257	-0.287	0.274	-2.077	-2.399	-12.959	184.302
48257_8258	48257	8258	0.287	22.255	2.077	2.399	36.633	-309.593
48258_8258	48258	8258	-0.299	20.95	-2.17	-2.43	-36.633	309.488
48258_8259	48258	8259	0.299	2.256	2.17	2.43	62.111	-199.73
48259_8259	48259	8259	-0.3	-2.256	-2.17	-2.386	-62.111	199.73
48259_8260	48259	8260	0.3	24.603	2.17	2.386	86.646	-351.593
48260_8260	48260	8260	-0.365	21.361	-6.308	-2.842	-86.646	351.767
48260_8261	48260	8261	0.365	-3.429	6.308	2.842	143.879	-239.298
48261_8261	48261	8261	-0.44	3.429	-6.303	0.025	-143.879	239.315
48261_8262	48261	8262	0.44	24.217	6.303	-0.025	232.05	-384.721
48262_8262	48262	8262	-0.109	25.37	5.403	-1.49	-232.05	384.538
48262_8263	48262	8263	0.109	-0.225	-5.403	1.49	163.308	-221.712
48263_8263	48263	8263	-0.114	0.225	5.403	-1.672	-163.308	221.71

48263_8264	48263	8264	0.114	21.717	-5.403	1.672	103.325	-341.016
48264_8264	48264	8264	-0.384	26.193	-6.593	1.797	-103.325	341.059
48264_8265	48264	8265	0.384	-2.32	6.593	-1.797	182.974	-168.836
48265_8265	48265	8265	-0.383	2.32	-6.593	1.772	-182.974	168.837
48265_8266	48265	8266	0.383	22.876	6.593	-1.772	267.035	-299.872
48266_8266	48266	8266	0.25	23.061	10.492	0.518	-267.035	299.859
48266_8267	48266	8267	-0.25	-2.352	-10.492	-0.518	157.091	-166.71
48267_8267	48267	8267	0.237	2.352	10.492	0.309	-157.091	166.711
48267_8268	48267	8268	-0.237	14.244	-10.492	-0.309	68.981	-216.641
48268_8268	48268	8268	0.015	21.291	1.233	0.071	-68.981	216.69
48268_8269	48268	8269	-0.015	4.235	-1.233	-0.071	53.299	-108.264
48269_8269	48269	8269	0.026	-4.235	1.233	0.961	-53.299	108.259
48269_8270	48269	8270	-0.026	25.204	-1.233	-0.961	40.418	-261.992
48270_8270	48270	8270	0.032	34.87	1.702	0.638	-40.418	261.902
48270_8271	48270	8271	-0.032	-11.392	-1.702	-0.638	20.521	8.588
48271_8271	48271	8271	0.033	11.392	1.702	0.635	-20.521	-8.588
48271_8272	48271	8272	-0.033	12.823	-1.702	-0.635	0	-0.04
48372_8372	48372	8372	32.487	10.498	-0.2	-0.018	0.14	-43.386
48372_8373	48372	8373	-32.487	8.025	0.2	0.018	2.337	58.717
48373_8373	48373	8373	60.552	-8.025	-0.202	0.015	-2.055	-95.979
48373_8374	48373	8374	-60.552	25.053	0.202	-0.015	4.359	-92.5
48374_8374	48374	8374	72.639	15.403	0.103	0.001	-3.887	76.49
48374_8375	48374	8375	-72.639	0.286	-0.103	-0.001	2.805	2.877
48375_8375	48375	8375	69.944	-0.286	0.089	0.002	-2.108	0.873
48375_8376	48375	8376	-69.944	14.635	-0.089	-0.002	1.25	-72.523
48376_8376	48376	8376	68.652	18.275	0.168	0.213	-0.851	74.807
48376_8377	48376	8377	-68.652	-1.018	-0.168	-0.213	-1.085	36.606
48377_8377	48377	8377	68.663	1.018	0.115	-0.216	1.452	-36.647
48377_8378	48377	8378	-68.663	17.215	-0.115	0.216	-2.86	-62.178
48378_8378	48378	8378	68.467	16.629	-0.193	0.004	3.351	62.434
48378_8379	48378	8379	-68.467	1.886	0.193	-0.004	-0.964	28.91
48379_8379	48379	8379	68.221	-1.886	-0.196	0.011	1.264	-28.373
48379_8380	48379	8380	-68.221	18.628	0.196	-0.011	0.932	-86.558
48380_8380	48380	8380	66.812	17.672	0.003	0.042	-0.702	87.663
48380_8381	48380	8381	-66.812	-2.134	-0.003	-0.042	0.672	15.319
48381_8381	48381	8381	64.338	2.134	-0.032	-0.014	-0.348	-12.142
48381_8382	48381	8382	-64.338	12.614	0.032	0.014	0.668	-39.576
48382_8382	48382	8382	61.557	16.952	-0.025	0.041	-0.349	43.308
48382_8383	48382	8383	-61.557	-0.279	0.025	-0.041	0.633	52.833
48383_8383	48383	8383	58.429	0.277	-0.028	0.003	-0.472	-48.729
48383_8384	48383	8384	-58.429	16.936	0.028	-0.003	0.789	-47.227
48384_8384	48384	8384	67.912	17.323	-0.049	-0.001	0.115	30.034
48384_8385	48384	8385	-67.912	-0.799	0.049	0.001	0.436	71.007
48385_8385	48385	8385	57.535	0.799	-0.045	0.06	0.214	-56.461
48385_8386	48385	8386	-57.535	15.736	0.045	-0.06	0.287	-26.884
48386_8386	48386	8386	53.053	17.802	-0.016	0.256	0.145	32.816
48386_8387	48386	8387	-53.053	-1.385	0.016	-0.256	0.03	73.479
48387_8387	48387	8387	54.571	1.385	-0.028	-0.169	0.298	-75.743
48387_8388	48387	8388	-54.571	17.393	0.028	0.169	0.051	-25.692
48388_8388	48388	8388	56.021	17.628	-0.043	0.005	0.427	24.132
48388_8389	48388	8389	-56.021	0.266	0.043	-0.005	0.098	80.695
48389_8389	48389	8389	57.28	-0.266	-0.044	0.047	0.436	-82.543
48389_8390	48389	8390	-57.28	17.578	0.044	-0.047	0.082	-21.695
48390_8390	48390	8390	58.709	17.321	-0.042	0.24	0.466	19.79
48390_8391	48390	8391	-58.709	1.521	0.042	-0.24	0.065	80.668

48391_8391	48391	8391	60.225	-1.521	-0.081	-0.238	0.675	-82.81
48391_8392	48391	8392	-60.225	17.884	0.081	0.238	0.216	-24.339
48392_8392	48392	8392	61.8	17.154	-0.07	-0.012	0.7	21.842
48392_8393	48392	8393	-61.8	-0.284	0.07	0.012	0.101	77.423
48393_8393	48393	8393	63.617	0.284	-0.057	0.026	0.771	-79.899
48393_8394	48393	8394	-63.617	18.038	0.057	-0.026	-0.066	-29.866
48394_8394	48394	8394	65.768	16.541	-0.087	0.239	0.834	26.603
48394_8395	48394	8395	-65.768	1.074	0.087	-0.239	0.206	65.329
48395_8395	48395	8395	68.175	-1.074	-0.121	-0.249	0.697	-68.522
48395_8396	48395	8396	-68.175	18.635	0.121	0.249	0.739	-48.261
48396_8396	48396	8396	67.557	18.687	0.037	-0.039	0.234	49.55
48396_8397	48396	8397	-67.557	-0.925	-0.037	0.039	-0.678	67.99
48397_8397	48397	8397	63.851	0.925	0.038	0.009	1.514	-63.111
48397_8398	48397	8398	-63.851	16.495	-0.038	-0.009	-1.959	-28.41
48398_8398	48398	8398	40.618	18.591	-0.533	0.002	3.857	59.208
48398_8399	48398	8399	-40.618	-3.733	0.533	-0.002	1.486	52.718
48572_8572	48572	8572	-0.008	9.127	-0.256	0.593	0	0.001
48572_8573	48572	8573	0.008	9.401	0.256	-0.593	3.172	-1.7
48573_8573	48573	8573	-0.008	-9.401	-0.256	0.593	-3.172	1.7
48573_8574	48573	8574	0.008	26.315	0.256	-0.593	6.067	-203.85
48574_8574	48574	8574	0.023	16.189	0.573	0.343	-6.067	203.813
48574_8575	48574	8575	-0.023	-0.785	-0.573	-0.343	0.158	-116.312
48575_8575	48575	8575	0.024	0.785	0.573	0.461	-0.158	116.311
48575_8576	48575	8576	-0.024	13.404	-0.573	-0.461	-5.284	-176.225
48576_8576	48576	8576	-0.036	17.672	1.186	-0.246	5.284	175.862
48576_8577	48576	8577	0.036	-0.348	-1.186	0.246	-19.039	-71.398
48577_8577	48577	8577	-0.021	0.348	1.187	0.622	19.039	71.395
48577_8578	48577	8578	0.021	18.135	-1.187	-0.622	-33.718	-181.407
48578_8578	48578	8578	-0.104	17.555	-1.41	-0.609	33.718	181.514
48578_8579	48578	8579	0.104	0.556	1.41	0.609	-16.631	-78.49
48579_8579	48579	8579	-0.104	-0.556	-1.41	-0.658	16.631	78.49
48579_8580	48579	8580	0.104	17.58	1.41	0.658	-0.57	-181.808
48580_8580	48580	8580	-0.006	17.293	0.428	-1.022	0.57	182.664
48580_8581	48580	8581	0.006	-2.056	-0.428	1.022	-4.93	-84.012
48581_8581	48581	8581	-0.003	2.056	0.428	-0.442	4.93	84.017
48581_8582	48581	8582	0.003	12.912	-0.428	0.442	-9.214	-138.392
48582_8582	48582	8582	-0.028	16.952	-0.606	-0.82	9.214	138.298
48582_8583	48582	8583	0.028	-0.743	0.606	0.82	-2.638	-42.322
48583_8583	48583	8583	-0.028	0.743	-0.606	-0.84	2.638	42.322
48583_8584	48583	8584	0.028	16.767	0.606	0.84	4.467	-136.215
48584_8584	48584	8584	-0.037	17.72	-1.085	-0.65	-4.467	136.177
48584_8585	48584	8585	0.037	-0.949	1.085	0.65	16.742	-30.523
48585_8585	48585	8585	-0.038	0.949	-1.084	-0.624	-16.742	30.524
48585_8586	48585	8586	0.038	15.233	1.084	0.624	28.585	-108.523
48586_8586	48586	8586	-0.008	17.471	0.658	0.031	-28.585	108.593
48586_8587	48586	8587	0.008	-1.262	-0.658	-0.031	21.391	-6.132
48587_8587	48587	8587	-0.004	1.262	0.658	0.075	-21.391	6.131
48587_8588	48587	8588	0.004	17.631	-0.658	-0.075	13.004	-110.483
48588_8588	48588	8588	-0.018	17.522	0.098	0.748	-13.004	109.541
48588_8589	48588	8589	0.018	0.196	-0.098	-0.748	11.838	-5.957
48589_8589	48589	8589	-0.018	-0.196	0.097	0.746	-11.838	5.957
48589_8590	48589	8590	0.018	17.561	-0.097	-0.746	10.696	-110.007
48590_8590	48590	8590	-0.011	17.164	0.43	1.433	-10.696	110.039
48590_8591	48590	8591	0.011	1.563	-0.43	-1.433	5.265	-11.454
48591_8591	48591	8591	-0.008	-1.563	0.43	1.512	-5.265	11.443

48591_8592	48591	8592	0.008	17.92	-0.43	-1.512	0.522	-118.975
48592_8592	48592	8592	-0.006	17.152	0.517	2.202	-0.522	119.489
48592_8593	48592	8593	0.006	-0.523	-0.517	-2.202	-5.282	-20.31
48593_8593	48593	8593	-0.006	0.523	0.517	2.202	5.282	20.31
48593_8594	48593	8594	0.006	17.929	-0.517	-2.202	-11.721	-128.684
48594_8594	48594	8594	-0.013	16.047	-0.122	2.699	11.721	129.218
48594_8595	48594	8595	0.013	1.576	0.122	-2.699	-10.269	-43.167
48595_8595	48595	8595	-0.014	-1.576	-0.122	3.035	10.269	43.144
48595_8596	48595	8596	0.014	19.036	0.122	-3.035	-8.831	-164.584
48596_8596	48596	8596	-0.027	19.436	-0.308	3.263	8.831	164.245
48596_8597	48596	8597	0.027	-1.714	0.308	-3.263	-5.147	-37.765
48597_8597	48597	8597	-0.027	1.714	-0.308	3.251	5.147	37.766
48597_8598	48597	8598	0.027	15.639	0.308	-3.251	-1.54	-119.302
48598_8598	48598	8598	0.041	22.674	-0.231	3.758	1.54	119.288
48598_8599	48598	8599	-0.041	-12.791	0.231	-3.758	0	-1.027
49000_9000	49000	9000	-5.798	394.255	9.114	3.745	0	-36.374
49000_9001	49000	9001	5.798	-366.276	-9.114	-3.745	-75.646	3192.596
49001_9001	49001	9001	-5.786	366.276	9.122	-0.714	75.646	-3192.6
49001_9002	49001	9002	5.786	-336.294	-9.122	0.714	-156.777	6316.952
49002_9002	49002	9002	-5.778	322.657	-7.676	8.43	156.777	-6316.95
49002_9003	49002	9003	5.778	-281.925	7.676	-8.43	-64.021	9969.586
49003_9003	49003	9003	-5.791	281.925	-7.666	-9.033	64.021	-9969.59
49003_9004	49003	9004	5.791	-241.169	7.666	9.033	28.668	13131.79
49004_9004	49004	9004	-5.791	219.679	1.273	13.137	-28.668	-13131.8
49004_9005	49004	9005	5.791	-178.961	-1.273	-13.137	13.296	15539.41
49005_9005	49005	9005	-5.788	178.961	1.283	-14.069	-13.296	-15539.4
49005_9006	49005	9006	5.788	-138.218	-1.283	14.069	-2.207	17456.18
49006_9006	49006	9006	-5.788	116.66	0.325	7.488	2.207	-17456.2
49006_9007	49006	9007	5.788	-75.922	-0.325	-7.488	-6.13	18619.86
49007_9007	49007	9007	-5.787	75.922	0.329	-7.788	6.13	-18619.9
49007_9008	49007	9008	5.787	-35.188	-0.329	7.788	-10.111	19291.17
49008_9008	49008	9008	-5.787	13.368	-0.232	-1.255	10.111	-19291.2
49008_9009	49008	9009	5.787	27.387	0.232	1.255	-7.311	19206.41
49009_9009	49009	9009	-5.787	-27.387	-0.232	0.783	7.311	-19206.4
49009_9010	49009	9010	5.787	68.107	0.232	-0.783	-4.506	18629.64
49010_9010	49010	9010	-5.787	-91.023	0.972	14.287	4.506	-18629.7
49010_9011	49010	9011	5.787	131.769	-0.972	-14.287	-16.249	17283.18
49011_9011	49011	9011	-5.785	-131.769	0.981	-14.087	16.249	-17283.2
49011_9012	49011	9012	5.785	172.506	-0.981	14.087	-28.104	15444.64
49012_9012	49012	9012	-5.785	-194.614	0.378	10.831	28.104	-15444.7
49012_9013	49012	9013	5.785	235.347	-0.378	-10.831	-32.674	12846.95
49013_9013	49013	9013	-5.784	-235.347	0.388	-10.272	32.674	-12846.9
49013_9014	49013	9014	5.784	276.071	-0.388	10.272	-37.357	9757.729
49014_9014	49014	9014	-5.783	-297.402	2.102	7.521	37.357	-9757.72
49014_9015	49014	9015	5.783	349.804	-2.102	-7.521	-70.04	4727.213
49015_9015	49015	9015	-1.87	-349.852	2.112	-1.901	70.012	-4730.86
49015_9016	49015	9016	1.572	376.08	-2.112	1.901	-87.433	1736.413
49016_9016	49016	9016	7.073	-396.871	-2.18	-1.46	87.435	-1736.1
49016_9017	49016	9017	-8.306	434.456	2.18	1.46	-61.791	-3151.95
49017_9017	49017	9017	20.369	-434.065	-2.167	4.163	62.143	3151.768
49017_9018	49017	9018	-23.112	479.095	2.167	-4.163	-33.358	-9211.54
49018_9018	49018	9018	38.403	-500.426	1.506	-11.57	32.124	9211.35
49018_9019	49018	9019	-42.353	544.72	-1.506	11.57	-51.056	-15764.3
49019_9019	49019	9019	57.288	-543.354	1.515	13.397	53.758	15764.29
49019_9020	49019	9020	-62.764	590.139	-1.515	-13.397	-72.894	-22894.9

49020_9020	49020	9020	-2259.74	183.227	-21.344	-4.077	458.222	4483.068
49020_9021	49020	9021	2259.738	-152.221	21.344	4.077	-255.398	-2889.24
49021_9021	49021	9021	-2259.78	152.221	-16.142	1.413	255.398	2851.462
49021_9022	49021	9022	2259.781	-129.073	16.142	-1.413	-130.478	-1762.99
49022_9022	49022	9022	-2259.76	129.073	-18.38	-0.334	130.478	1762.989
49022_9023	49022	9023	2259.764	-105.863	18.38	0.334	12.156	-851.432
49023_9023	49023	9023	-2259.82	86.848	-4.917	-0.483	-12.156	851.426
49023_9024	49023	9024	2259.82	-62.921	4.917	0.483	51.491	-252.376
49024_9024	49024	9024	-2259.82	62.921	-4.917	-0.483	-51.491	252.376
49024_9025	49024	9025	2259.82	-38.994	4.917	0.483	90.827	155.266
49025_9025	49025	9025	-2259.82	35.354	-2.109	-0.676	-90.827	-155.266
49025_9026	49025	9026	2259.824	-11.43	2.109	0.676	107.699	342.368
49026_9026	49026	9026	-2259.82	-5.099	-5.385	0.044	-107.699	-342.367
49026_9027	49026	9027	2259.82	23.035	5.385	-0.044	139.987	258.015
49027_9027	49027	9027	-2259.83	-23.035	-1.23	-0.43	-139.987	-258.015
49027_9028	49027	9028	2259.826	40.996	1.23	0.43	147.375	65.753
49028_9028	49028	9028	-2259.83	-40.996	-1.638	-0.418	-147.375	-65.753
49028_9029	49028	9029	2259.826	58.929	1.638	0.418	157.196	-233.79
49029_9029	49029	9029	-2259.83	-58.929	-1.23	-0.376	-157.196	233.79
49029_9030	49029	9030	2259.826	76.89	1.23	0.376	164.583	-641.605
49030_9030	49030	9030	-2259.83	-93.669	1.412	-1.218	-164.583	641.61
49030_9031	49030	9031	2259.828	117.583	-1.412	1.218	153.293	-1486.12
49031_9031	49031	9031	-2259.83	-117.583	1.412	-1.218	-153.293	1486.124
49031_9032	49031	9032	2259.828	141.497	-1.412	1.218	142.003	-2521.84
49032_9032	49032	9032	-2259.82	-141.497	4.52	2.25	-142.003	2521.838
49032_9033	49032	9033	2259.824	165.438	-4.52	-2.25	105.828	-3750.22
49033_9033	49033	9033	-2259.79	-184.11	13.158	-4.881	-105.828	3750.258
49033_9034	49033	9034	2259.79	207.297	-13.158	4.881	3.822	-5267.44
49034_9034	49034	9034	-2259.79	-207.297	13.158	-4.881	-3.822	5267.436
49034_9035	49034	9035	2259.79	230.485	-13.158	4.881	-98.185	-6964.37
49035_9035	49035	9035	-2259.75	-230.485	18.552	11.127	98.185	7003.19
49035_9036	49035	9036	2259.752	261.481	-18.552	-11.127	-274.425	-9339.94
49036_9036	49036	9036	39.773	505.324	-1.221	-30.424	31.954	28988.68
49036_9037	49036	9037	-34.297	-458.567	1.221	30.424	-16.542	-22929.1
49037_9037	49037	9037	21.648	459.312	-1.175	25.533	10.736	22929.11
49037_9038	49037	9038	-17.697	-414.994	1.175	-25.533	4.048	-17444.6
49038_9038	49038	9038	4.994	395.648	1.291	-7.457	-1.337	17445.02
49038_9039	49038	9039	-2.251	-350.639	-1.291	7.457	-15.809	-12495.3
49039_9039	49039	9039	-7.936	350.671	1.326	12.667	15.032	12536.92
49039_9040	49039	9040	9.17	-313.026	-1.326	-12.667	-30.628	-8634.28
49040_9040	49040	9040	-15.729	289.539	-0.637	-3.146	30.994	8634.681
49040_9041	49040	9041	16.027	-263.38	0.637	3.146	-25.743	-6354.41
49041_9041	49041	9041	-18.803	263.079	-0.639	-3.849	25.715	6366.215
49041_9042	49041	9042	18.803	-219.326	0.639	3.849	-16.054	-2719.31
49042_9042	49042	9042	-18.804	198.753	-0.658	-2.395	16.054	2719.315
49042_9043	49042	9043	18.804	-164.366	0.658	2.395	-8.236	-561.862
49043_9043	49043	9043	-18.805	164.366	-0.644	-1.968	8.236	561.863
49043_9044	49043	9044	18.805	-130.012	0.644	1.968	-0.595	1185.567
49044_9044	49044	9044	-18.806	105.36	-0.111	0.48	0.595	-1185.56
49044_9045	49044	9045	18.806	-70.982	0.111	-0.48	0.727	2233.042
49045_9045	49045	9045	-18.806	70.982	-0.096	-1.392	-0.727	-2233.04
49045_9046	49045	9046	18.806	-36.606	0.096	1.392	1.862	2872.074
49046_9046	49046	9046	-18.806	15.427	0.043	2.372	-1.862	-2872.07
49046_9047	49046	9047	18.806	18.943	-0.043	-2.372	1.354	2851.193
49047_9047	49047	9047	-18.806	-18.943	0.059	-0.019	-1.354	-2851.19

49047_9048	49047	9048	18.806	53.311	-0.059	0.019	0.659	2422.132
49048_9048	49048	9048	-18.806	-74.305	0.113	3.11	-0.659	-2422.14
49048_9049	49048	9049	18.806	108.667	-0.113	-3.11	-0.682	1335.763
49049_9049	49049	9049	-18.806	-108.667	0.129	1.989	0.682	-1335.77
49049_9050	49049	9050	18.806	143.027	-0.129	-1.989	-2.211	-158.532
49050_9050	49050	9050	-18.805	-163.079	1.535	2.749	2.211	158.529
49050_9051	49050	9051	18.805	206.874	-1.535	-2.749	-25.449	-2958.01
49051_9051	49051	9051	-16.343	-207.192	1.553	5.443	25.498	2954.269
49051_9052	49051	9052	16.065	231.663	-1.553	-5.443	-38.309	-4764.38
49052_9052	49052	9052	-10.216	-252.636	-1.179	4.4	38.365	4764.263
49052_9053	49052	9053	9.063	287.779	1.179	-4.4	-24.507	-7940.35
49053_9053	49053	9053	-0.842	-288.052	-1.175	2.835	24.585	7932.39
49053_9054	49053	9054	-1.871	332.473	1.175	-2.835	-8.976	-12050.9
49054_9054	49054	9054	13.139	-352.898	0.014	-4.584	8.371	12050.58
49054_9055	49054	9055	-17.034	396.473	-0.014	4.584	-8.582	-16750.9
49055_9055	49055	9055	28.017	-395.915	0.029	8.462	10.009	16750.87
49055_9056	49055	9056	-33.394	441.743	-0.029	-8.462	-10.424	-22019.2
49056_9056	49056	9056	-1943.6	245.245	-14.438	-6.006	218.144	7049.063
49056_9057	49056	9057	1943.597	-214.586	14.438	6.006	-81.001	-4865.13
49057_9057	49057	9057	-1943.62	214.586	-10.93	2.788	81.001	4831.524
49057_9058	49057	9058	1943.619	-190.025	10.93	-2.788	3.736	-3263.16
49058_9058	49058	9058	-1943.63	190.025	-8.43	6.985	-3.736	3263.15
49058_9059	49058	9059	1943.632	-165.465	8.43	-6.985	69.084	-1885.32
49059_9059	49059	9059	-1943.65	147.657	-4.14	0.075	-69.084	1885.297
49059_9060	49059	9060	1943.647	-122.335	4.14	-0.075	102.174	-806.333
49060_9060	49060	9060	-1943.65	118.695	-1.536	1.156	-102.174	806.333
49060_9061	49060	9061	1943.651	-93.344	1.536	-1.156	114.462	42.012
49061_9061	49061	9061	-1943.65	93.344	-1.536	1.156	-114.462	-42.012
49061_9062	49061	9062	1943.651	-67.992	1.536	-1.156	126.75	687.501
49062_9062	49062	9062	-1943.65	52.015	0.887	1.045	-126.75	-687.501
49062_9063	49062	9063	1943.649	-32.989	-0.887	-1.045	121.425	942.744
49063_9063	49063	9063	-1943.65	32.989	-2.579	2.726	-121.425	-942.74
49063_9064	49063	9064	1943.647	-13.992	2.579	-2.726	136.887	1083.592
49064_9064	49064	9064	-1943.65	13.992	3.888	-0.88	-136.887	-1083.6
49064_9065	49064	9065	1943.645	5.001	-3.888	0.88	113.577	1110.545
49065_9065	49065	9065	-1943.65	-5.001	0.887	0.836	-113.577	-1110.55
49065_9066	49065	9066	1943.649	24.027	-0.887	-0.836	108.252	1023.383
49066_9066	49066	9066	-1943.65	-39.936	2.529	1.482	-108.252	-1023.39
49066_9067	49066	9067	1943.648	65.28	-2.529	-1.482	88.024	602.544
49067_9067	49067	9067	-1943.64	-65.28	4.952	0.73	-88.024	-602.546
49067_9068	49067	9068	1943.643	90.622	-4.952	-0.73	48.41	-20.981
49068_9068	49068	9068	-1943.64	-90.622	4.952	0.73	-48.41	20.981
49068_9069	49068	9069	1943.643	115.965	-4.952	-0.73	8.795	-847.218
49069_9069	49069	9069	-1943.61	-133.409	12.43	-1.592	-8.795	847.232
49069_9070	49069	9070	1943.614	157.955	-12.43	1.592	-87.504	-1975.9
49070_9070	49070	9070	-1943.61	-157.955	12.598	-1.421	87.504	1975.901
49070_9071	49070	9071	1943.612	182.532	-12.598	1.421	-185.231	-3296.56
49071_9071	49071	9071	-1943.59	-182.532	16.047	4.579	185.231	3329.125
49071_9072	49071	9072	1943.587	213.196	-16.047	-4.579	-337.685	-5208.88
49072_9072	49072	9072	27.756	476.249	0.214	-11.437	35.713	19823.55
49072_9073	49072	9073	-22.379	-430.428	-0.214	11.437	-38.356	-14122.7
49073_9073	49073	9073	10.473	430.835	0.26	10.725	35.876	14122.66
49073_9074	49073	9074	-6.578	-387.241	-0.26	-10.725	-39.104	-8989.46
49074_9074	49074	9074	-5.322	369.918	0.878	1.111	40.013	8989.58
49074_9075	49074	9075	8.035	-325.523	-0.878	-1.111	-51.675	-4376.78

49075_9075	49075	9075	-17.795	325.09	0.94	6.904	51.521	4382.158
49075_9076	49075	9076	18.929	-290.502	-0.94	-6.904	-62.576	-763.809
49076_9076	49076	9076	-25.021	269.716	-1.346	-2.044	62.728	763.912
49076_9077	49076	9077	25.295	-245.651	1.346	2.044	-51.629	1360.646
49077_9077	49077	9077	-27.902	241.626	-1.336	-3.47	51.617	-1354.32
49077_9078	49077	9078	27.902	-199.625	1.336	3.47	-33.298	4379.965
49078_9078	49078	9078	-27.904	182.147	-0.686	1.502	33.298	-4379.97
49078_9079	49078	9079	27.904	-147.972	0.686	-1.502	-25.643	6221.761
49079_9079	49079	9079	-27.905	147.972	-0.66	-4.38	25.643	-6221.76
49079_9080	49079	9080	27.905	-113.768	0.66	4.38	-18.277	7683.289
49080_9080	49080	9080	-27.905	95.566	-0.098	-0.718	18.277	-7683.29
49080_9081	49080	9081	27.905	-61.366	0.098	0.718	-17.179	8559.489
49081_9081	49081	9081	-27.905	61.366	-0.098	-0.718	17.179	-8559.49
49081_9082	49081	9082	27.905	-27.166	0.098	0.718	-16.082	9053.789
49082_9082	49082	9082	-27.906	7.856	-0.284	3.576	16.082	-9053.78
49082_9083	49082	9083	27.906	28.917	0.284	-3.576	-12.674	8927.34
49083_9083	49083	9083	-27.906	-28.917	-0.262	-3.466	12.674	-8927.34
49083_9084	49083	9084	27.906	65.657	0.262	3.466	-9.533	8360.083
49084_9084	49084	9084	-27.906	-85.039	0.007	4.125	9.533	-8360.09
49084_9085	49084	9085	27.906	119.231	-0.007	-4.125	-9.615	7219.848
49085_9085	49085	9085	-27.906	-119.231	0.032	-2.334	9.615	-7219.85
49085_9086	49085	9086	27.906	153.421	-0.032	2.334	-9.977	5697.964
49086_9086	49086	9086	-27.906	-172.087	-0.335	3.149	9.977	-5697.96
49086_9087	49086	9087	27.906	206.307	0.335	-3.149	-6.231	3584.047
49087_9087	49087	9087	-27.906	-206.307	-0.312	0.098	6.231	-3584.05
49087_9088	49087	9088	27.906	240.495	0.312	-0.098	-2.753	1090.316
49088_9088	49088	9088	-27.906	-258.046	1.013	1.463	2.753	-1090.32
49088_9089	49088	9089	27.906	298.424	-1.013	-1.463	-16.104	-2577.84
49089_9089	49089	9089	-24.479	-298.798	1.032	2.987	16.128	2567.059
49089_9090	49089	9090	24.192	324.025	-1.032	-2.987	-24.655	-5138.9
49090_9090	49090	9090	-16.435	-347.742	-0.288	-2.23	24.526	5138.77
49090_9091	49090	9091	15.248	383.896	0.288	2.23	-21.145	-9435.76
49091_9091	49091	9091	-4.459	-384.283	-0.255	5.978	21.615	9435.328
49091_9092	49091	9092	1.772	428.381	0.255	-5.978	-18.22	-14828.3
49092_9092	49092	9092	12.092	-448.84	-1.274	-22.956	15.828	14827.94
49092_9093	49092	9093	-15.951	492.122	1.274	22.956	0.127	-20730.6
49093_9093	49093	9093	29.529	-491.542	-1.208	26.438	4.994	20730.58
49093_9094	49093	9094	-34.86	537.077	1.208	-26.438	10.149	-27200.3
49094_9094	49094	9094	-2255.98	219.019	-10.425	-5.365	121.36	7764.212
49094_9095	49094	9095	2255.983	-188.591	10.425	5.365	-22.349	-5828.63
49095_9095	49095	9095	-2256	188.591	-6.891	3.567	22.349	5828.224
49095_9096	49095	9096	2255.997	-164.337	6.891	-3.567	31.091	-4459.67
49096_9096	49096	9096	-2256	164.337	-7	3.352	-31.091	4459.67
49096_9097	49096	9097	2255.996	-140.114	7	-3.352	85.306	-3280.62
49097_9097	49097	9097	-2256.03	122.197	1.957	-1.986	-85.306	3280.578
49097_9098	49097	9098	2256.025	-97.161	-1.957	1.986	69.637	-2402.57
49098_9098	49098	9098	-2256.02	97.161	4.675	0.908	-69.637	2402.572
49098_9099	49098	9099	2256.021	-72.157	-4.675	-0.908	32.259	-1725.73
49099_9099	49099	9099	-2256.02	72.157	4.774	0.983	-32.259	1725.73
49099_9100	49099	9100	2256.021	-47.123	-4.774	-0.983	-5.955	-1248.32
49100_9100	49100	9100	-2256.01	32.143	-0.637	-0.513	5.955	1248.312
49100_9101	49100	9101	2256.006	-13.368	0.637	0.513	-2.13	-1111.7
49101_9101	49101	9101	-2256.01	13.368	-0.763	-0.574	2.13	1111.7
49101_9102	49101	9102	2256.006	5.375	0.763	0.574	2.441	-1087.75
49102_9102	49102	9102	-2256.01	-5.375	-0.637	-0.514	-2.441	1087.747

49102_9103	49102	9103	2256.006	24.15	0.637	0.514	6.266	-1176.37
49103_9103	49103	9103	-2256	-24.15	3.119	1.445	-6.266	1176.371
49103_9104	49103	9104	2256.004	42.924	-3.119	-1.445	-12.457	-1377.69
49104_9104	49104	9104	-2256.02	-57.828	-5.589	-1.697	12.457	1377.699
49104_9105	49104	9105	2256.017	82.828	5.589	1.697	32.223	-1939.89
49105_9105	49105	9105	-2256.02	-82.828	-2.684	0.802	-32.223	1939.894
49105_9106	49105	9106	2256.023	107.858	2.684	-0.802	53.703	-2702.98
49106_9106	49106	9106	-2256.02	-107.858	-2.768	0.7	-53.703	2702.983
49106_9107	49106	9107	2256.022	132.858	2.768	-0.7	75.832	-3665.08
49107_9107	49107	9107	-2256	-150.462	6.288	-2.552	-75.832	3665.114
49107_9108	49107	9108	2256	174.709	-6.288	2.552	27.081	-4925.66
49108_9108	49108	9108	-2256	-174.709	6.288	-2.552	-27.081	4925.659
49108_9109	49108	9109	2256	198.956	-6.288	2.552	-21.67	-6374.2
49109_9109	49109	9109	-2255.99	-198.956	8.584	3.748	21.67	6374.657
49109_9110	49109	9110	2255.992	229.404	-8.584	-3.748	-103.251	-8410.13
49110_9110	49110	9110	18.761	526.281	0.916	-18.941	-0.937	27927.04
49110_9111	49110	9111	-13.429	-480.765	-0.916	18.941	-10.527	-21596.1
49111_9111	49111	9111	-0.122	477.278	0.984	15.646	6.87	21596.15
49111_9112	49111	9112	3.981	-433.985	-0.984	-15.646	-19.186	-15878.8
49112_9112	49112	9112	-17.23	414.812	0.459	-4.304	20.844	15879.12
49112_9113	49112	9113	19.917	-370.741	-0.459	4.304	-26.942	-10669.5
49113_9113	49113	9113	-30.836	369.947	0.513	7.134	26.483	10669.01
49113_9114	49113	9114	32.02	-333.849	-0.513	-7.134	-32.517	-6531.65
49114_9114	49114	9114	-38.992	312.576	-0.748	-3.02	32.726	6531.867
49114_9115	49114	9115	39.278	-287.433	0.748	3.02	-26.551	-4056.22
49115_9115	49115	9115	-42.334	286.901	-0.741	-2.598	26.528	4074.547
49115_9116	49115	9116	42.334	-247.05	0.741	2.598	-16.372	-413.546
49116_9116	49116	9116	-42.335	228.876	-0.501	-0.354	16.372	413.549
49116_9117	49116	9117	42.335	-196.438	0.501	0.354	-10.776	1960.124
49117_9117	49117	9117	-42.335	196.438	-0.425	-3.895	10.776	-1960.12
49117_9118	49117	9118	42.335	-163.972	0.425	3.895	-6.03	3973.3
49118_9118	49118	9118	-42.335	145.476	-0.418	3.71	6.03	-3973.3
49118_9119	49118	9119	42.335	-113.039	0.418	-3.71	-1.36	5416.021
49119_9119	49119	9119	-42.336	113.039	-0.342	-6.068	1.36	-5416.02
49119_9120	49119	9120	42.336	-80.573	0.342	6.068	2.46	6497.466
49120_9120	49120	9120	-42.336	61.656	0.058	5.895	-2.46	-6497.48
49120_9121	49120	9121	42.336	-26.809	-0.058	-5.895	1.76	7027.88
49121_9121	49121	9121	-42.336	26.809	0.129	-5.899	-1.76	-7027.88
49121_9122	49121	9122	42.336	8.068	-0.129	5.899	0.207	7140.334
49122_9122	49122	9122	-42.336	-27.086	-0.237	10.153	-0.207	-7140.33
49122_9123	49122	9123	42.336	59.55	0.237	-10.153	2.855	6656.433
49123_9123	49123	9123	-42.336	-59.55	-0.123	-7.722	-2.855	-6656.44
49123_9124	49123	9124	42.336	92.013	0.123	7.722	4.233	5809.918
49124_9124	49124	9124	-42.336	-113.353	-0.372	6.187	-4.233	-5809.92
49124_9125	49124	9125	42.336	145.787	0.372	-6.187	8.388	4363.85
49125_9125	49125	9125	-42.337	-145.787	-0.296	-1.665	-8.388	-4363.85
49125_9126	49125	9126	42.337	178.25	0.296	1.665	11.695	2554.05
49126_9126	49126	9126	-42.335	-194.621	2.356	3.465	-11.695	-2554.05
49126_9127	49126	9127	42.335	233.535	-2.356	-3.465	-19.854	-312.533
49127_9127	49127	9127	-39.593	-234.073	2.415	3.103	19.878	299.723
49127_9128	49127	9128	39.327	257.5	-2.415	-3.103	-39.782	-2325.12
49128_9128	49128	9128	-33.082	-275.535	-2.96	1.535	39.765	2325.101
49128_9129	49128	9129	31.977	309.228	2.96	-1.535	-4.963	-5762.09
49129_9129	49129	9129	-23.218	-310.138	-2.872	9.447	5.509	5765.656
49129_9130	49129	9130	20.595	353.184	2.872	-9.447	32.635	-10166.8

49130_9130	49130	9130	-7.474	-391.61	4.164	-2.741	-33.592	10166.77
49130_9131	49130	9131	3.703	433.902	-4.164	2.741	-18.742	-15344.7
49131_9131	49131	9131	8.24	-433.885	4.198	8.968	20.088	15344.65
49131_9132	49131	9132	-13.455	478.47	-4.198	-8.968	-73.074	-21087.5
49132_9132	49132	9132	-1852.88	211.549	9.86	2.988	-161.185	6211.4
49132_9133	49132	9133	1852.876	-181.862	-9.86	-2.988	67.519	-4342.7
49133_9133	49133	9133	-1852.89	181.862	7.469	-4.109	-67.519	4352.067
49133_9134	49133	9134	1852.887	-159.356	-7.469	4.109	9.635	-3029.84
49134_9134	49134	9134	-1852.88	159.356	9.86	-0.2	-9.635	3029.846
49134_9135	49134	9135	1852.876	-136.85	-9.86	0.2	-66.777	-1882.05
49135_9135	49135	9135	-1852.89	117.789	0.012	-1.144	66.777	1882.044
49135_9136	49135	9136	1852.885	-94.557	-0.012	1.144	-66.872	-1032.66
49136_9136	49136	9136	-1852.88	94.557	2.328	0.146	66.872	1032.66
49136_9137	49136	9137	1852.884	-71.325	-2.328	-0.146	-85.495	-369.134
49137_9137	49137	9137	-1852.88	71.325	2.328	0.146	85.495	369.134
49137_9138	49137	9138	1852.884	-48.093	-2.328	-0.146	-104.119	108.536
49138_9138	49138	9138	-1852.88	31.466	-4.836	0.258	104.119	-108.535
49138_9139	49138	9139	1852.882	-14.042	4.836	-0.258	-75.1	245.058
49139_9139	49139	9139	-1852.89	14.042	-1.748	-0.151	75.1	-245.059
49139_9140	49139	9140	1852.888	3.382	1.748	0.151	-64.611	277.036
49140_9140	49140	9140	-1852.89	-3.382	-1.748	-0.151	64.611	-277.036
49140_9141	49140	9141	1852.888	20.807	1.748	0.151	-54.121	204.47
49141_9141	49141	9141	-1852.88	-20.807	-4.836	0.19	54.121	-204.47
49141_9142	49141	9142	1852.882	38.231	4.836	-0.19	-25.103	27.358
49142_9142	49142	9142	-1852.89	-58.226	-1.438	0.351	25.103	-27.358
49142_9143	49142	9143	1852.888	81.458	1.438	-0.351	-13.601	-531.375
49143_9143	49143	9143	-1852.88	-81.458	-3.754	-0.313	13.601	531.375
49143_9144	49143	9144	1852.884	104.69	3.754	0.313	16.43	-1275.97
49144_9144	49144	9144	-1852.89	-104.69	-1.438	1.282	-16.43	1275.966
49144_9145	49144	9145	1852.888	127.922	1.438	-1.282	27.932	-2206.41
49145_9145	49145	9145	-1852.89	-144.285	-0.819	1.984	-27.932	2206.413
49145_9146	49145	9146	1852.887	166.791	0.819	-1.984	34.277	-3411.84
49146_9146	49146	9146	-1852.88	-166.791	-3.21	-2.419	-34.277	3411.834
49146_9147	49146	9147	1852.884	189.298	3.21	2.419	59.151	-4791.68
49147_9147	49147	9147	-1852.89	-189.298	-0.819	3.131	-59.151	4782.921
49147_9148	49147	9148	1852.887	218.984	0.819	-3.131	66.929	-6722.26
49148_9148	49148	9148	-8.429	436.791	2.339	-1.214	-38.542	21619.23
49148_9149	49148	9149	13.644	-392.241	-2.339	1.214	9.148	-16405.5
49149_9149	49149	9149	-24.449	391.696	2.339	-0.947	-9.175	16405.45
49149_9150	49149	9150	28.22	-349.404	-2.339	0.947	-20.151	-11757.4
49150_9150	49150	9150	-38.826	334.634	-1.371	-1.427	20.137	11757.43
49150_9151	49150	9151	41.449	-291.589	1.371	1.427	-1.938	-7602.72
49151_9151	49151	9151	-50.242	290.336	-1.422	-5.33	2.004	7615.585
49151_9152	49151	9152	51.361	-256.245	1.422	5.33	14.704	-4403.36
49152_9152	49152	9152	-56.629	236.682	0.685	-1.597	-14.801	4403.366
49152_9153	49152	9153	56.899	-212.947	-0.685	1.597	9.15	-2548.6
49153_9153	49153	9153	-59.104	212.24	0.642	-3.398	-9.169	2550.272
49153_9154	49153	9154	59.104	-173.684	-0.642	3.398	0.344	102.952
49154_9154	49154	9154	-59.104	155.848	-0.38	-1.03	-0.344	-102.953
49154_9155	49154	9155	59.104	-125.003	0.38	1.03	4.529	1647.639
49155_9155	49155	9155	-59.104	125.003	-0.327	-2.528	-4.529	-1647.64
49155_9156	49155	9156	59.104	-94.159	0.327	2.528	8.124	2853.029
49156_9156	49156	9156	-59.104	76.351	-0.012	1.019	-8.124	-2853.03
49156_9157	49156	9157	59.104	-48.31	0.012	-1.019	8.242	3476.333
49157_9157	49157	9157	-59.104	48.31	0.047	-2.458	-8.242	-3476.33

49157_9158	49157	9158	59.104	-20.269	-0.047	2.458	7.77	3819.227
49158_9158	49158	9158	-59.104	3.082	0.129	2.251	-7.77	-3819.23
49158_9159	49158	9159	59.104	24.959	-0.129	-2.251	6.484	3709.841
49159_9159	49159	9159	-59.104	-24.959	0.188	-1.459	-6.484	-3709.84
49159_9160	49159	9160	59.104	53	-0.188	1.459	4.606	3320.047
49160_9160	49160	9160	-59.104	-70.423	0.223	1.467	-4.606	-3320.05
49160_9161	49160	9161	59.104	101.239	-0.223	-1.467	2.151	2376.763
49161_9161	49161	9161	-59.104	-104.879	0.224	1.465	-2.151	-2376.76
49161_9162	49161	9162	59.104	135.724	-0.224	-1.465	-0.308	1053.441
49162_9162	49162	9162	-59.104	-151.718	1.207	3.03	0.308	-1053.44
49162_9163	49162	9163	59.104	190.274	-1.207	-3.03	-16.902	-1297.75
49163_9163	49163	9163	-56.841	-190.98	1.135	1.415	16.913	1296.577
49163_9164	49163	9164	56.572	214.715	-1.135	-1.415	-26.278	-2970.13
49164_9164	49164	9164	-51.261	-232.188	0.788	6.177	26.433	2970.128
49164_9165	49164	9165	50.143	266.279	-0.788	-6.177	-35.692	-5899.83
49165_9165	49165	9165	-42.561	-267.68	0.743	-1.567	35.461	5904.948
49165_9166	49165	9166	39.954	310.475	-0.743	1.567	-45.31	-9740.87
49166_9166	49166	9166	-29.755	-327.117	-2.182	-3.196	45.163	9740.866
49166_9167	49166	9167	26.005	369.172	2.182	3.196	-17.818	-14108.2
49167_9167	49167	9167	-15.778	-369.778	-2.135	7.542	19.037	14108.18
49167_9168	49167	9168	10.59	414.09	2.135	-7.542	7.773	-19038.4
49168_9168	49168	9168	-1697.45	220.885	2.068	-1.786	-61.316	6246.37
49168_9169	49168	9169	1697.447	-191.379	-2.068	1.786	41.666	-4288.12
49169_9169	49169	9169	-1697.44	191.379	3.855	1.7	-41.666	4306.682
49169_9170	49169	9170	1697.444	-168.789	-3.855	-1.7	11.788	-2911.03
49170_9170	49170	9170	-1697.45	168.789	1.665	-2.056	-11.788	2911.032
49170_9171	49170	9171	1697.447	-146.199	-1.665	2.056	-1.115	-1690.45
49171_9171	49171	9171	-1697.44	128.744	1.435	0.316	1.115	1690.452
49171_9172	49171	9172	1697.444	-105.426	-1.435	-0.316	-12.599	-753.773
49172_9172	49172	9172	-1697.44	105.426	-0.686	-0.626	12.599	753.773
49172_9173	49172	9173	1697.444	-82.107	0.686	0.626	-7.108	-3.64
49173_9173	49173	9173	-1697.44	82.107	1.435	-0.622	7.108	3.64
49173_9174	49173	9174	1697.444	-58.789	-1.435	0.622	-18.592	559.945
49174_9174	49174	9174	-1697.44	41.992	0.93	-0.292	18.592	-559.945
49174_9175	49174	9175	1697.444	-24.503	-0.93	0.292	-24.173	759.431
49175_9175	49175	9175	-1697.44	24.503	-1.899	0.974	24.173	-759.43
49175_9176	49175	9176	1697.443	-7.014	1.899	-0.974	-12.779	853.984
49176_9176	49176	9176	-1697.44	7.014	0.93	-0.449	12.779	-853.984
49176_9177	49176	9177	1697.444	10.474	-0.93	0.449	-18.36	843.605
49177_9177	49177	9177	-1697.44	-10.474	0.93	-0.449	18.36	-843.605
49177_9178	49177	9178	1697.444	27.963	-0.93	0.449	-23.941	728.293
49178_9178	49178	9178	-1697.44	-44.736	-1.676	0.637	23.941	-728.293
49178_9179	49178	9179	1697.443	68.054	1.676	-0.637	-10.536	277.134
49179_9179	49179	9179	-1697.44	-68.054	0.446	0.291	10.536	-277.135
49179_9180	49179	9180	1697.444	91.372	-0.446	-0.291	-14.105	-360.569
49180_9180	49180	9180	-1697.44	-91.372	-1.676	-0.16	14.105	360.569
49180_9181	49180	9181	1697.443	114.691	1.676	0.16	-0.699	-1184.82
49181_9181	49181	9181	-1697.44	-131.755	-1.23	2.44	0.699	1184.82
49181_9182	49181	9182	1697.444	154.344	1.23	-2.44	8.835	-2293.45
49182_9182	49182	9182	-1697.44	-157.984	-1.23	2.44	-8.835	2293.452
49182_9183	49182	9183	1697.444	180.574	1.23	-2.44	18.37	-3605.36
49183_9183	49183	9183	-1697.44	-180.574	-3.017	-2.235	-18.37	3588.849
49183_9184	49183	9184	1697.442	210.08	3.017	2.235	47.031	-5444.46
49184_9184	49184	9184	-9.157	420.672	1.638	-6.834	-8.012	18126.92
49184_9185	49184	9185	14.345	-376.36	-1.638	6.834	-12.545	-13114.4

49185_9185	49185	9185	-24.718	375.78	1.684	3.299	11.394	13114.39
49185_9186	49185	9186	28.468	-333.725	-1.684	-3.299	-32.493	-8664.54
49186_9186	49186	9186	-38.706	317.942	-0.39	-0.93	32.841	8664.536
49186_9187	49186	9187	41.313	-275.148	0.39	0.93	-27.673	-4729.7
49187_9187	49187	9187	-49.745	273.722	-0.396	-4.243	27.699	4711.411
49187_9188	49187	9188	50.884	-239.013	0.396	4.243	-23.044	-1698.16
49188_9188	49188	9188	-55.77	218.319	-1.267	-3.229	22.98	1698.163
49188_9189	49188	9189	56.045	-194.15	1.267	3.229	-12.523	3.305
49189_9189	49189	9189	-58.023	193.458	-1.31	-3.098	12.489	-11.671
49189_9190	49189	9190	58.023	-152.777	1.31	3.098	5.519	2392.041
49190_9190	49190	9190	-58.024	134.346	-0.152	-3.744	-5.519	-2392.04
49190_9191	49190	9191	58.024	-101.801	0.152	3.744	7.192	3690.844
49191_9191	49191	9191	-58.024	101.801	-0.205	-0.389	-7.192	-3690.85
49191_9192	49191	9192	58.024	-69.256	0.205	0.389	9.446	4631.657
49192_9192	49192	9192	-58.024	50.545	-0.194	1.716	-9.446	-4631.66
49192_9193	49192	9193	58.024	-21.106	0.194	-1.716	11.381	4988.119
49193_9193	49193	9193	-58.024	21.106	-0.136	-3.297	-11.381	-4988.12
49193_9194	49193	9194	58.024	8.332	0.136	3.297	12.736	5051.67
49194_9194	49194	9194	-58.024	-26.727	-0.252	3.051	-12.736	-5051.67
49194_9195	49194	9195	58.024	56.165	0.252	-3.051	15.247	4639.28
49195_9195	49195	9195	-58.024	-56.165	-0.194	-1.612	-15.247	-4639.28
49195_9196	49195	9196	58.024	85.574	0.194	1.612	17.175	3934.838
49196_9196	49196	9196	-58.028	-104.588	0.231	3.245	-17.175	-3934.83
49196_9197	49196	9197	58.028	137.133	-0.231	-3.245	14.637	2605.364
49197_9197	49197	9197	-58.027	-137.133	0.283	0.877	-14.637	-2605.37
49197_9198	49197	9198	58.027	169.678	-0.283	-0.877	11.519	917.908
49198_9198	49198	9198	-58.039	-191.568	1.72	2.894	-11.519	-917.897
49198_9199	49198	9199	58.039	232.278	-1.72	-2.894	-12.152	-1998.17
49199_9199	49199	9199	-55.236	-232.98	1.762	4.655	12.19	2015.581
49199_9200	49199	9200	54.946	257.99	-1.762	-4.655	-26.731	-4040.92
49200_9200	49200	9200	-48.483	-278.115	-1.736	6.095	26.831	4040.959
49200_9201	49200	9201	47.283	314.022	1.736	-6.095	-6.428	-7521.34
49201_9201	49201	9201	-38.264	-315.343	-1.73	1.49	6.374	7525.718
49201_9202	49201	9202	35.415	361.464	1.73	-1.49	16.609	-12016.7
49202_9202	49202	9202	-23.355	-381.842	0.34	8.414	-16.024	12016.66
49202_9203	49202	9203	19.278	427.036	-0.34	-8.414	11.711	-17091
49203_9203	49203	9203	-7.42	-427.441	0.294	-4.853	-13.095	17090.96
49203_9204	49203	9204	1.812	474.891	-0.294	4.853	9.333	-22767.5
49204_9204	49204	9204	-2030.36	239.194	-8.189	-3.935	121.786	7489.404
49204_9205	49204	9205	2030.357	-207.303	8.189	3.935	-43.994	-5368.54
49205_9205	49205	9205	-2030.36	207.303	-6.051	1.743	43.994	5132.579
49205_9206	49205	9206	2030.364	-182.767	6.051	-1.743	2.904	-3621.06
49206_9206	49206	9206	-2030.36	182.767	-6.051	1.743	-2.904	3621.059
49206_9207	49206	9207	2030.364	-158.232	6.051	-1.743	49.803	-2299.69
49207_9207	49207	9207	-2030.4	138.508	-2.23	-0.969	-49.803	2299.689
49207_9208	49207	9208	2030.396	-113.181	2.23	0.969	67.642	-1292.93
49208_9208	49208	9208	-2030.4	113.181	0.308	0.647	-67.642	1292.934
49208_9209	49208	9209	2030.397	-87.854	-0.308	-0.647	65.176	-488.794
49209_9209	49209	9209	-2030.4	87.854	2.846	1.258	-65.176	488.793
49209_9210	49209	9210	2030.395	-62.527	-2.846	-1.258	42.407	112.733
49210_9210	49210	9210	-2030.36	44.859	-4.525	1.655	-42.407	-112.734
49210_9211	49210	9211	2030.363	-25.864	4.525	-1.655	69.556	324.906
49211_9211	49211	9211	-2030.37	25.864	-1.141	1.114	-69.556	-324.908
49211_9212	49211	9212	2030.368	-6.869	1.141	-1.114	76.401	423.108
49212_9212	49212	9212	-2030.37	6.869	2.243	0.409	-76.401	-423.11

49212_9213	49212	9213	2030.367	12.127	-2.243	-0.409	62.943	407.336
49213_9213	49213	9213	-2030.36	-12.127	5.627	-0.27	-62.943	-407.336
49213_9214	49213	9214	2030.36	31.122	-5.627	0.27	29.182	277.584
49214_9214	49214	9214	-2030.43	-48.489	-6.761	-0.069	-29.182	-277.587
49214_9215	49214	9215	2030.425	73.785	6.761	0.069	83.204	-210.92
49215_9215	49215	9215	-2030.44	-73.785	-1.711	0.456	-83.204	210.92
49215_9216	49215	9216	2030.436	99.114	1.711	-0.456	96.892	-902.569
49216_9216	49216	9216	-2030.43	-99.114	3.364	2.712	-96.892	902.565
49216_9217	49216	9217	2030.434	124.443	-3.364	-2.712	69.975	-1796.89
49217_9217	49217	9217	-2030.4	-144.361	9.061	-7.383	-69.975	1797.03
49217_9218	49217	9218	2030.402	168.9	-9.061	7.383	-0.259	-3011.09
49218_9218	49218	9218	-2030.35	-168.9	16.918	4.269	0.259	3011.092
49218_9219	49218	9219	2030.351	193.44	-16.918	-4.269	-131.401	-4415.46
49219_9219	49219	9219	-2030.34	-197.08	17.745	7.959	131.401	4653.959
49219_9220	49219	9220	2030.344	228.979	-17.745	-7.959	-300.015	-6678.19
49220_9220	49220	9220	14.098	467.013	-1.027	-25.948	11.914	21899.2
49220_9221	49220	9221	-8.49	-419.585	1.027	25.948	1.062	-16324.8
49221_9221	49221	9221	-3.159	419.623	-0.898	25.763	-6.584	16324.82
49221_9222	49221	9222	7.236	-374.411	0.898	-25.763	17.889	-11342
49222_9222	49222	9222	-19.129	350.69	3.688	-3.232	-15.239	11343.47
49222_9223	49222	9223	21.978	-304.58	-3.688	3.232	-33.724	-6996.75
49223_9223	49223	9223	-31.449	303.832	3.888	23.081	32.96	7009.943
49223_9224	49223	9224	32.67	-267.322	-3.888	-23.081	-78.657	-3653.86
49224_9224	49224	9224	-38.461	242.344	-2.144	-5.605	79.19	3654.949
49224_9225	49224	9225	38.755	-216.887	2.144	5.605	-61.491	-1759.14
49225_9225	49225	9225	-41.037	216.356	-2.006	-0.335	61.48	1750.476
49225_9226	49225	9226	41.037	-170.294	2.006	0.335	-32.432	1049.423
49226_9226	49226	9226	-41.002	150.076	0.262	3.063	32.432	-1049.56
49226_9227	49226	9227	41.002	-113.908	-0.262	-3.063	-35.406	2550.554
49227_9227	49227	9227	-41.001	113.908	0.37	-3.657	35.406	-2550.55
49227_9228	49227	9228	41.001	-77.735	-0.37	3.657	-39.609	3640.361
49228_9228	49228	9228	-41.009	59.388	-0.685	5.929	39.609	-3640.52
49228_9229	49228	9229	41.009	-23.24	0.685	-5.929	-31.824	4110.09
49229_9229	49229	9229	-41.011	23.24	-0.577	-4.903	31.824	-4110.09
49229_9230	49229	9230	41.011	12.914	0.577	4.903	-25.266	4168.778
49230_9230	49230	9230	-41.056	-31.915	8.168	7.626	25.266	-4168.6
49230_9231	49230	9231	41.056	70.211	-8.168	-7.626	-123.617	3553.75
49231_9231	49231	9231	-41.037	-70.211	8.263	-0.574	123.617	-3553.76
49231_9232	49231	9232	41.037	98.761	-8.263	0.574	-197.791	2795.337
49232_9232	49232	9232	-40.402	-99.02	8.417	-11.789	197.702	-2795.78
49232_9233	49232	9233	40.347	108.978	-8.417	11.789	-223.596	2475.824
49233_9233	49233	9233	-38.21	-131.431	-16.741	0.637	223.745	-2475.76
49233_9234	49233	9234	37.614	162.373	16.741	-0.637	-64.181	1075.614
49234_9234	49234	9234	-34.522	-163.14	-16.633	-3.193	64.023	-1075.62
49234_9235	49234	9235	33.61	187.298	16.633	3.193	58.902	-219.572
49235_9235	49235	9235	-30.752	-187.807	-16.511	-6.672	-59.208	211.153
49235_9236	49235	9236	29.486	211.607	16.511	6.672	162.101	-1456.12
49236_9236	49236	9236	-24.781	-232.091	24.59	-4.868	-162.178	1456.112
49236_9237	49236	9237	22.066	270.437	-24.59	4.868	-80.354	-3935.34
49237_9237	49237	9237	-15.974	-270.772	24.75	6.068	81.441	3925.497
49237_9238	49237	9238	12.503	308.511	-24.75	-6.068	-313.247	-6640.58
49238_9238	49238	9238	-2.416	-331.498	-16.464	-6.154	312.532	6639.876
49238_9239	49238	9239	-1.769	368.788	16.464	6.154	-164.671	-9788.15
49239_9239	49239	9239	6.878	-368.743	-16.383	11.321	167.093	9788.108
49239_9240	49239	9240	-8.991	385.478	16.383	-11.321	-102.589	-11275.3

49240_9240	49240	9240	-1545.68	288.907	7.607	0.97	600.548	3693.943
49240_9241	49240	9241	1545.68	-265.034	-7.607	-0.97	-648.708	-1940.34
49241_9241	49241	9241	-1543.94	222.918	-28.974	-1.736	648.708	1940.194
49241_9242	49241	9242	1543.935	-211	28.974	1.736	-557.13	-1254.45
49242_9242	49242	9242	-1543.99	211	-25.992	0.415	557.13	1259.12
49242_9243	49242	9243	1543.988	-165.047	25.992	-0.415	-236.025	1063.69
49243_9243	49243	9243	-1544.05	165.047	-21.905	-2.401	236.025	-1063.69
49243_9244	49243	9244	1544.052	-131.629	21.905	2.401	-39.232	2396.343
49244_9244	49244	9244	-1543.67	110.888	-28.314	6.891	39.232	-2395.67
49244_9245	49244	9245	1543.674	-72.008	28.314	-6.891	256.716	3351.518
49245_9245	49245	9245	-1543.75	72.008	-24.025	-2.422	-256.716	-3351.52
49245_9246	49245	9246	1543.747	-37.9	24.025	2.422	477.01	3855.427
49246_9246	49246	9246	-1544.15	22.355	-9.296	7.518	-477.01	-3854.67
49246_9247	49246	9247	1544.15	16.883	9.296	-7.518	575.068	3883.529
49247_9247	49247	9247	-1544.17	-16.883	-4.146	-5.434	-575.068	-3883.53
49247_9248	49247	9248	1544.173	50.675	4.146	5.434	612.733	3576.661
49248_9248	49248	9248	-1544.23	-67.409	1.004	4.263	-612.733	-3576.18
49248_9249	49248	9249	1544.229	102.704	-1.004	-4.263	603.211	2769.1
49249_9249	49249	9249	-1544.22	-102.704	4.78	-2.51	-603.211	-2769.1
49249_9250	49249	9250	1544.222	140.402	-4.78	2.51	554.764	1537.218
49250_9250	49250	9250	-1544.33	-156.733	17.405	-0.427	-554.764	-1537.04
49250_9251	49250	9251	1544.333	193.473	-17.405	0.427	382.854	-192.458
49251_9251	49251	9251	-1544.29	-193.473	21.19	0.045	-382.854	192.458
49251_9252	49251	9252	1544.286	229.736	-21.19	-0.045	176.276	-2255.37
49252_9252	49252	9252	-1543.97	-257.197	5.495	-53.473	-176.276	2254.423
49252_9253	49252	9253	1543.972	268.949	-5.495	53.473	158.914	-3085.59
49253_9253	49253	9253	-1543.96	-268.949	8.366	-47.684	-158.914	3084.141
49253_9254	49253	9254	1543.959	304.772	-8.366	47.684	79.438	-5809.44
49254_9254	49254	9254	2.88	362.4	-22.093	58.006	99.395	13769.96
49254_9255	49254	9255	2.989	-312.493	22.093	-58.006	164.161	-9749.11
49255_9255	49255	9255	-14.884	271.06	19.022	-10.749	-155.621	9748.042
49255_9256	49255	9256	18.881	-228.004	-19.022	10.749	-47.612	-7083.83
49256_9256	49256	9256	-24.253	227.464	19.163	13.2	45.46	7083.833
49256_9257	49256	9257	27.224	-184.347	-19.163	-13.2	-256.458	-4817.94
49257_9257	49257	9257	-31.561	159.65	-8.882	-4.142	257.464	4817.881
49257_9258	49257	9258	32.519	-141.153	8.882	4.142	-214.79	-4095.38
49258_9258	49258	9258	-34.934	140.575	-8.816	-1.273	214.406	4098.319
49258_9259	49258	9259	36.095	-107.193	8.816	1.273	-125.298	-2846.42
49259_9259	49259	9259	-38.165	106.475	-8.71	4.003	125.093	2846.425
49259_9260	49259	9260	38.526	-84.405	8.71	-4.003	-66.496	-2204.4
49260_9260	49260	9260	-39.517	62.097	-2.231	-11.785	66.591	2349.139
49260_9261	49260	9261	39.577	-51.49	2.231	11.785	-59.525	-2169.29
49261_9261	49261	9261	-39.985	51.124	-2.104	-5.234	59.518	2192.493
49261_9262	49261	9262	39.985	-13.256	2.104	5.234	-35.398	-1823.55
49262_9262	49262	9262	-39.992	13.256	-1.978	0.517	35.398	1823.561
49262_9263	49262	9263	39.992	19.358	1.978	-0.517	-15.869	-1853.68
49263_9263	49263	9263	-39.979	-44.78	-0.207	-5.516	15.869	1853.828
49263_9264	49263	9264	39.979	83.585	0.207	5.516	-13.439	-2607.65
49264_9264	49264	9264	-39.979	-83.585	-0.135	-0.806	13.439	2607.658
49264_9265	49264	9265	39.979	120.965	0.135	0.806	-11.914	-3764.77
49265_9265	49265	9265	-39.978	-143.358	0.123	-7.528	11.914	3765.197
49265_9266	49265	9266	39.978	182.234	-0.123	7.528	-13.364	-5680.72
49266_9266	49266	9266	-39.978	-182.234	0.191	2.15	13.364	5680.72
49266_9267	49266	9267	39.978	219.549	-0.191	-2.15	-15.524	-7949.62
49267_9267	49267	9267	-39.948	-243.647	1.461	-14.971	15.524	7950.932

49267_9268	49267	9268	39.948	265.745	-1.461	14.971	-25.295	-9654.4
49268_9268	49268	9268	-39.948	-265.745	1.483	-9.544	25.295	9654.404
49268_9269	49268	9269	39.948	287.978	-1.483	9.544	-35.276	-11517.5
49269_9269	49269	9269	-36.669	-288.733	1.547	7.538	35.333	11482.59
49269_9270	49269	9270	36.239	322.916	-1.547	-7.538	-50.238	-14429.6
49270_9270	49270	9270	-29.095	-347.945	-2.901	-30.35	49.385	14432.61
49270_9271	49270	9271	27.814	385.056	2.901	30.35	-19.282	-18235.5
49271_9271	49271	9271	-20.368	-385.748	-2.83	1.422	20.168	18205.43
49271_9272	49271	9272	18.569	418.68	2.83	-1.422	2.922	-21485.8
49272_9272	49272	9272	-12.865	-419.107	-2.736	51.86	0.023	21485.78
49272_9273	49272	9273	11.407	440.241	2.736	-51.86	14.098	-23702.8
49273_9273	49273	9273	-0.961	-468.933	2.231	-60.717	-21.838	23706.66
49273_9274	49273	9274	-3.434	519.03	-2.231	60.717	-4.866	-29600.1
49274_9274	49274	9274	17.64	-522.583	2.38	49.033	14.658	29600.14
49274_9275	49274	9275	-24.275	580.151	-2.38	-49.033	-46.061	-36840.1
49275_9275	49275	9275	-2713.47	351.522	-55.722	-12.901	1132.076	12462.99
49275_9276	49275	9276	2713.473	-332.309	55.722	12.901	-859.996	-10793.5
49276_9276	49276	9276	-2713.54	332.309	-52.595	-0.46	859.996	10793.5
49276_9277	49276	9277	2713.536	-314.131	52.595	0.46	-617.02	-9300.29
49277_9277	49277	9277	-2713.62	314.131	-48.163	11.629	617.02	9361.372
49277_9278	49277	9278	2713.618	-280.115	48.163	-11.629	-173.353	-6624.34
49278_9278	49278	9278	-2713.12	266.062	-25.417	-11.632	173.353	8044.682
49278_9279	49278	9279	2713.115	-224.421	25.417	11.632	114.071	-5271.43
49279_9279	49279	9279	-2713.2	224.421	-13.798	10.942	-114.071	5271.427
49279_9280	49279	9280	2713.199	-181.512	13.798	-10.942	274.857	-2906.34
49280_9280	49280	9280	-2713.75	155.342	-25.173	-2.923	-274.857	2906.904
49280_9281	49280	9281	2713.747	-112.225	25.173	2.923	569.61	-1340.42
49281_9281	49281	9281	-2713.83	112.225	-14.248	2.473	-569.61	1340.422
49281_9282	49281	9282	2713.826	-68.25	14.248	-2.473	739.762	-262.806
49282_9282	49282	9282	-2713.9	49.626	-8.487	1.646	-739.762	293.32
49282_9283	49282	9283	2713.898	-7.529	8.487	-1.646	845.057	61.228
49283_9283	49283	9283	-2713.91	7.529	4.499	1.353	-845.057	-61.235
49283_9284	49283	9284	2713.907	30.593	-4.499	-1.353	794.507	-68.332
49284_9284	49284	9284	-2712.66	-68.628	55.716	-1.135	-794.507	68.398
49284_9285	49284	9285	2712.662	102.991	-55.716	1.135	230.247	-937.424
49285_9285	49285	9285	-2712.49	-102.991	63.741	1.639	-230.247	937.424
49285_9286	49285	9286	2712.485	134.812	-63.741	-1.639	-367.54	-2052.52
49286_9286	49286	9286	-2712.41	-169.094	-11.314	-34.176	367.54	2052.614
49286_9287	49286	9287	2712.414	182.749	11.314	34.176	-322.007	-2760.6
49287_9287	49287	9287	-2712.41	-182.749	-12.861	-34.817	322.007	2535.999
49287_9288	49287	9288	2712.407	217.277	12.861	34.817	-199.851	-4435.76
49288_9288	49288	9288	35.422	820.051	-24.069	56.812	-43.156	23958.22
49288_9289	49288	9289	-30.628	-776.208	24.069	-56.812	301.235	-15402.2
49289_9289	49289	9289	1.487	674.029	19.684	-13.25	-293.163	15405.96
49289_9290	49289	9290	2.281	-627.173	-19.684	13.25	58.886	-7664.25
49290_9290	49290	9290	-21.102	626.824	19.816	8.001	-60.259	7664.243
49290_9291	49290	9291	23.321	-582.444	-19.816	-8.001	-169.579	-652.406
49291_9291	49291	9291	-36.767	539.938	-13.478	11.787	169.527	652.243
49291_9292	49291	9292	37.245	-524.279	13.478	-11.787	-113.612	1555.202
49292_9292	49292	9292	-46.195	523.573	-13.339	4.797	113.845	-1551.26
49292_9293	49292	9293	46.554	-496.792	13.339	-4.797	-6.977	5638.748
49293_9293	49293	9293	-53.047	496.149	-13.23	-6.787	7.041	-5638.75
49293_9294	49293	9294	53.054	-469.514	13.23	6.787	98.591	9493.741
49294_9294	49294	9294	-52.84	431.101	-0.448	42.744	-98.593	-9495.16
49294_9295	49294	9295	52.84	-417.732	0.448	-42.744	100.387	11196.14

49295_9295	49295	9295	-52.841	417.732	-0.27	5.324	-100.387	-11195
49295_9296	49295	9296	52.841	-379.145	0.27	-5.324	103.139	15253.56
49296_9296	49296	9296	-52.841	379.145	-0.147	-30.255	-103.139	-15253.5
49296_9297	49296	9297	52.841	-347.847	0.147	30.255	104.352	18256.77
49297_9297	49297	9297	-52.736	313.429	4.361	40.122	-104.352	-18272.5
49297_9298	49297	9298	52.736	-270.088	-4.361	-40.122	54.229	21625.55
49298_9298	49298	9298	-52.721	270.088	4.541	-33.44	-54.229	-21625.6
49298_9299	49298	9299	52.721	-229.813	-4.541	33.44	5.737	24294.92
49299_9299	49299	9299	-52.795	196.194	0.982	51.454	-5.737	-24298.5
49299_9300	49299	9300	52.795	-155.463	-0.982	-51.454	-4.866	26197.5
49300_9300	49300	9300	-52.791	155.463	1.152	-33.174	4.866	-26197.5
49300_9301	49300	9301	52.791	-107.168	-1.152	33.174	-19.621	27879.17
49301_9301	49301	9301	-52.818	71.472	-0.105	60.469	19.621	-27882.8
49301_9302	49301	9302	52.818	-26.754	0.105	-60.469	-18.373	28465.16
49302_9302	49302	9302	-52.818	26.754	0.101	-50.558	18.373	-28465.2
49302_9303	49302	9303	52.818	17.58	-0.101	50.558	-19.556	28519.11
49303_9303	49303	9303	-52.803	-52.331	0.919	47.148	19.556	-28523.3
49303_9304	49303	9304	52.803	99.702	-0.919	-47.148	-31.102	27568.41
49304_9304	49304	9304	-52.8	-99.702	1.096	-45.269	31.102	-27568.4
49304_9305	49304	9305	52.8	141.348	-1.096	45.269	-43.207	26237.44
49305_9305	49305	9305	-52.808	-175.672	0.711	54.688	43.207	-26240.8
49305_9306	49305	9306	52.808	217.347	-0.711	-54.688	-51.066	24069.3
49306_9306	49306	9306	-52.805	-217.347	0.926	-43.298	51.066	-24069.3
49306_9307	49306	9307	52.805	264.686	-0.926	43.298	-62.692	21043.92
49307_9307	49307	9307	-52.816	-296.264	0.417	23.253	62.692	-21046.7
49307_9308	49307	9308	52.816	341.109	-0.417	-23.253	-67.655	17257.12
49308_9308	49308	9308	-52.815	-344.749	0.554	-21.317	67.655	-17257.1
49308_9309	49308	9309	52.815	388.882	-0.554	21.317	-74.136	12964.43
49309_9309	49309	9309	-53.051	-420.675	-11.097	11.414	74.136	-12966
49309_9310	49309	9310	53.051	465.718	11.097	-11.414	58.405	7672.468
49310_9310	49310	9310	-53.088	-465.718	-10.92	-14.202	-58.405	-7672.46
49310_9311	49310	9311	53.088	509.667	10.92	14.202	185.662	1988.995
49311_9311	49311	9311	-51.782	-537.619	55.969	-15.993	-185.662	-1989.05
49311_9312	49311	9312	51.782	550.129	-55.969	15.993	0	184.879

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1	2	3	4	5	6	7	8	9
41000_1000	41000	1000	-2.664	388.927	-0.509	-8.394	0	-12.642
41000_1001	41000	1001	2.664	-339.204	0.509	8.394	8.654	6203.767
41001_1001	41001	1001	-2.663	339.204	-0.514	3.797	-8.654	-6203.77
41001_1002	41001	1002	2.663	-307.469	0.514	-3.797	14.234	9713.022
41002_1002	41002	1002	-2.6	284.159	1.688	-7.922	-14.234	-9712.32
41002_1003	41002	1003	2.6	-248.508	-1.688	7.922	-6.346	12959.67
41003_1003	41003	1003	-2.601	248.508	1.686	2.643	6.346	-12959.7
41003_1004	41003	1004	2.601	-212.854	-1.686	-2.643	-26.901	15772.56
41004_1004	41004	1004	-2.637	188.552	0.29	-9.416	26.901	-15771.3
41004_1005	41004	1005	2.637	-152.888	-0.29	9.416	-30.439	17853.65
41005_1005	41005	1005	-2.637	152.888	0.288	5.127	30.439	-17853.6
41005_1006	41005	1006	2.637	-117.221	-0.288	-5.127	-33.95	19501.08
41006_1006	41006	1006	-2.642	89.919	0.059	-9.428	33.95	-19500
41006_1007	41006	1007	2.642	-54.27	-0.059	9.428	-34.675	20378.91
41007_1007	41007	1007	-2.642	54.27	0.057	7.174	34.675	-20378.9
41007_1008	41007	1008	2.642	-18.618	-0.057	-7.174	-35.375	20823.28
41008_1008	41008	1008	-2.639	-9.776	0.361	-7.301	35.375	-20822.5
41008_1009	41008	1009	2.639	45.409	-0.361	7.301	-39.778	20486.26
41009_1009	41009	1009	-2.639	-45.409	0.359	7.376	39.778	-20486.3
41009_1010	41009	1010	2.639	81.075	-0.359	-7.376	-44.162	19714.85
41010_1010	41010	1010	-2.642	-109.291	0.008	-14.629	44.162	-19714.5
41010_1011	41010	1011	2.642	144.935	-0.008	14.629	-44.257	18164.97
41011_1011	41011	1011	-2.642	-144.935	0.003	16.782	44.257	-18165
41011_1012	41011	1012	2.642	180.557	-0.003	-16.782	-44.295	16182.28
41012_1012	41012	1012	-2.642	-208.585	-0.567	7.206	44.295	-16182.2
41012_1013	41012	1013	2.642	244.239	0.567	-7.206	-37.387	13421.4
41013_1013	41013	1013	-2.643	-244.239	-0.564	-3.717	37.387	-13421.4
41013_1014	41013	1014	2.643	279.89	0.564	3.717	-30.505	10226.15
41014_1014	41014	1014	-2.643	-307.8	0.47	4.865	30.505	-10226.2
41014_1015	41014	1015	2.643	356.728	-0.47	-4.865	-38.378	4666.184
41015_1015	41015	1015	1.412	-356.735	0.474	-2.01	38.358	-4667.82
41015_1016	41015	1016	-1.668	379.276	-0.474	2.01	-42.268	1631.787
41016_1016	41016	1016	10.258	-398.487	3.818	-0.076	32.503	-2508.64
41016_1017	41016	1017	-11.318	430.788	-3.818	0.076	-77.363	-2362.81
41017_1017	41017	1017	23.396	-430.301	3.822	1.307	77.547	2362.807
41017_1018	41017	1018	-25.778	469.408	-3.822	-1.307	-128.292	-8333.59
41018_1018	41018	1018	40.708	-487.306	-3.159	-9.84	127.606	8333.444
41018_1019	41018	1019	-44.161	526.014	3.159	9.84	-87.97	-14687.4
41019_1019	41019	1019	58.632	-524.598	-3.155	12.278	90.538	14687.35
41019_1020	41019	1020	-63.454	565.794	3.155	-12.278	-50.823	-21547.6
41020_1020	41020	1020	-2139.25	147.926	-4.18	-3.157	144.267	3557.401
41020_1021	41020	1021	2139.247	-121.168	4.18	3.157	-104.548	-2278.84
41021_1021	41021	1021	-2139.25	121.168	-1.687	-0.502	104.548	2278.842
41021_1022	41021	1022	2139.25	-101.451	1.687	0.502	-91.471	-1416.18
41022_1022	41022	1022	-2139.25	101.451	1.055	1.313	91.471	1416.18
41022_1023	41022	1023	2139.25	-81.738	-1.055	-1.313	-99.649	-706.415
41023_1023	41023	1023	-2139.21	63.045	-10.573	-0.479	99.649	706.407
41023_1024	41023	1024	2139.213	-42.694	10.573	0.479	-15.068	-283.467
41024_1024	41024	1024	-2139.21	42.694	-10.573	-0.479	15.068	283.467
41024_1025	41024	1025	2139.213	-22.343	10.573	0.479	69.512	-23.329
41025_1025	41025	1025	-2139.23	22.343	-7.915	-0.45	-69.512	23.329
41025_1026	41025	1026	2139.225	-1.995	7.915	0.45	132.822	74.004

41026_1026	41026	1026	-2139.23	-15.754	-5.023	-0.442	-132.822	-74.004
41026_1027	41026	1027	2139.228	31.009	5.023	0.442	162.939	-66.202
41027_1027	41027	1027	-2139.23	-31.009	-1.09	-0.321	-162.939	66.203
41027_1028	41027	1028	2139.233	46.286	1.09	0.321	169.483	-298.293
41028_1028	41028	1028	-2139.23	-46.286	-1.476	-0.374	-169.483	298.293
41028_1029	41028	1029	2139.233	61.539	1.476	0.374	178.333	-621.517
41029_1029	41029	1029	-2139.23	-61.539	-1.09	-0.262	-178.333	621.517
41029_1030	41029	1030	2139.233	76.816	1.09	0.262	184.877	-1036.95
41030_1030	41030	1030	-2139.22	-94.198	7.774	-0.27	-184.877	1036.95
41030_1031	41030	1031	2139.221	114.538	-7.774	0.27	122.722	-1871.41
41031_1031	41031	1031	-2139.22	-114.538	8.058	-0.021	-122.722	1871.408
41031_1032	41031	1032	2139.22	134.904	-8.058	0.021	58.216	-2869.83
41032_1032	41032	1032	-2139.22	-134.904	7.774	-0.402	-58.216	2869.832
41032_1033	41032	1033	2139.221	155.244	-7.774	0.402	-3.939	-4029.74
41033_1033	41033	1033	-2139.28	-172.41	-5.886	-24.762	3.939	4029.868
41033_1034	41033	1034	2139.276	192.132	5.886	24.762	41.692	-5442.91
41034_1034	41034	1034	-2139.28	-192.132	-3.141	-17.779	-41.692	5442.938
41034_1035	41034	1035	2139.282	211.852	3.141	17.779	66.042	-7008.66
41035_1035	41035	1035	-2139.21	-211.852	17.368	49.414	-66.042	7008.505
41035_1036	41035	1036	2139.213	238.607	-17.368	-49.414	-98.985	-9148.59
41036_1036	41036	1036	11.128	460.883	2.319	-10.59	-11.183	28599.24
41036_1037	41036	1037	-6.306	-419.694	-2.319	10.59	-18.007	-23060.5
41037_1037	41037	1037	-5.28	419.708	2.353	7.217	16.076	23060.47
41037_1038	41037	1038	8.733	-380.985	-2.353	-7.217	-45.606	-18038.4
41038_1038	41038	1038	-20.349	367.035	-3.287	-3.111	46.342	18039.29
41038_1039	41038	1039	22.731	-327.962	3.287	3.111	-2.737	-13431.4
41039_1039	41039	1039	-54.175	257.688	-0.868	-0.636	25.512	1886.191
41039_1040	41039	1040	55.237	-225.303	0.868	0.636	-15.309	953.388
41040_1040	41040	1040	-60.258	204.75	-0.24	-0.084	15.282	-953.448
41040_1041	41040	1041	60.513	-182.273	0.24	0.084	-13.303	2549.905
41041_1041	41041	1041	-62.581	181.574	-0.225	-0.83	13.301	-2549.91
41041_1042	41041	1042	62.581	-141.671	0.225	0.83	-9.627	5185.718
41042_1042	41042	1042	-62.58	118.251	-0.043	2.237	9.627	-5185.87
41042_1043	41042	1043	62.58	-88.936	0.043	-2.237	-9.108	6427.023
41043_1043	41043	1043	-62.58	88.936	0.009	-3.109	9.108	-6427.02
41043_1044	41043	1044	62.58	-59.624	-0.009	3.109	-9.212	7316.909
41044_1044	41044	1044	-62.579	34.613	0.186	2.946	9.212	-7317.11
41044_1045	41044	1045	62.579	-5.305	-0.186	-2.946	-11.439	7556.196
41045_1045	41045	1045	-62.579	5.305	0.238	-3.342	11.439	-7556.2
41045_1046	41045	1046	62.579	24.002	-0.238	3.342	-14.288	7444.225
41046_1046	41046	1046	-62.586	-50.023	-0.185	2.653	14.288	-7444.46
41046_1047	41046	1047	62.586	79.35	0.185	-2.653	-12.07	6669.12
41047_1047	41047	1047	-62.586	-79.35	-0.137	-2.467	12.07	-6669.12
41047_1048	41047	1048	62.586	108.651	0.137	2.467	-10.43	5543.43
41048_1048	41048	1048	-62.585	-133.357	0.014	3.391	10.43	-5543.56
41048_1049	41048	1049	62.585	162.681	-0.014	-3.391	-10.599	3769.61
41049_1049	41049	1049	-62.585	-162.681	0.114	-2.648	10.599	-3769.61
41049_1050	41049	1050	62.585	191.976	-0.114	2.648	-11.969	1646.437
41050_1050	41050	1050	-62.587	-215.043	-0.033	-0.221	11.969	-1646.49
41050_1051	41050	1051	62.587	254.909	0.033	0.221	-11.424	-2182.09
41051_1051	41051	1051	-59.684	-255.604	0.057	2.806	11.456	2182.091
41051_1052	41051	1052	59.447	276.369	-0.057	-2.806	-11.927	-4374.21
41052_1052	41052	1052	-52.898	-296.369	0.876	-2.252	11.827	4374.215
41052_1053	41052	1053	51.918	326.26	-0.876	2.252	-22.12	-8033.48
41053_1053	41053	1053	-45.403	-328.657	2.655	6.613	25.224	8247.772

41053_1054	41053	1054	43.052	367.148	-2.655	-6.613	-60.471	-12865.1
41054_1054	41054	1054	-31.299	-384.1	-1.905	-5.288	59.722	12865.18
41054_1055	41054	1055	27.903	422.087	1.905	5.288	-35.814	-17921.5
41055_1055	41055	1055	-16.272	-422.695	-1.849	8.893	37.433	17921.47
41055_1056	41055	1056	11.551	462.968	1.849	-8.893	-14.141	-23495.7
41056_1056	41056	1056	-2019.33	198.69	-2.783	-2.606	71.628	6453.352
41056_1057	41056	1057	2019.328	-172.273	2.783	2.606	-45.186	-4691.23
41057_1057	41057	1057	-2019.33	172.273	-1.34	0.772	45.186	4652.696
41057_1058	41057	1058	2019.329	-151.194	1.34	-0.772	-34.806	-3399.88
41058_1058	41058	1058	-2019.33	151.194	-1.34	0.772	34.806	3399.883
41058_1059	41058	1059	2019.329	-130.115	1.34	-0.772	-24.426	-2310.35
41059_1059	41059	1059	-2019.41	112.61	-9.635	-1.637	24.426	2310.384
41059_1060	41059	1060	2019.408	-90.823	9.635	1.637	52.715	-1496.02
41060_1060	41060	1060	-2019.42	90.823	-7.275	0.111	-52.715	1496.015
41060_1061	41060	1061	2019.418	-69.065	7.275	-0.111	110.886	-856.808
41061_1061	41061	1061	-2019.43	69.065	-4.6	1.246	-110.886	856.808
41061_1062	41061	1062	2019.426	-47.282	4.6	-1.246	147.708	-391.126
41062_1062	41062	1062	-2019.4	30.279	-3.021	-0.246	-147.708	391.139
41062_1063	41062	1063	2019.399	-13.948	3.021	0.246	165.837	-258.425
41063_1063	41063	1063	-2019.4	13.948	0.136	0.158	-165.837	258.425
41063_1064	41063	1064	2019.401	2.354	-0.136	-0.158	165.024	-223.695
41064_1064	41064	1064	-2019.4	-2.354	0.338	0.181	-165.024	223.695
41064_1065	41064	1065	2019.401	18.683	-0.338	-0.181	162.996	-286.816
41065_1065	41065	1065	-2019.4	-18.683	3.697	0.658	-162.996	286.815
41065_1066	41065	1066	2019.398	35.011	-3.697	-0.658	140.811	-447.905
41066_1066	41066	1066	-2019.37	-52.133	5.311	-0.285	-140.811	447.915
41066_1067	41066	1067	2019.367	73.913	-5.311	0.285	98.298	-952.338
41067_1067	41067	1067	-2019.36	-73.913	7.83	0.903	-98.298	952.337
41067_1068	41067	1068	2019.359	95.691	-7.83	-0.903	35.631	-1631.03
41068_1068	41068	1068	-2019.36	-95.691	7.685	0.786	-35.631	1631.027
41068_1069	41068	1069	2019.36	117.443	-7.685	-0.786	-25.799	-2482.84
41069_1069	41069	1069	-2019.49	-134.532	3.071	-0.42	25.799	2482.941
41069_1070	41069	1070	2019.485	155.627	-3.071	0.42	-49.604	-3607.59
41070_1070	41070	1070	-2019.49	-155.627	3.071	-0.42	49.604	3607.589
41070_1071	41070	1071	2019.485	176.722	-3.071	0.42	-73.409	-4895.76
41071_1071	41071	1071	-2019.48	-176.722	4.487	3.098	73.409	4934.299
41071_1072	41071	1072	2019.482	203.122	-4.487	-3.098	-116.007	-6737.47
41072_1072	41072	1072	-6.039	462.354	1.121	-7.496	23.421	23869.33
41072_1073	41072	1073	10.76	-422.084	-1.121	7.496	-37.542	-18303.1
41073_1073	41073	1073	-22.374	421.627	1.167	5.271	36.088	18303.13
41073_1074	41073	1074	25.77	-383.647	-1.167	-5.271	-50.725	-13253.4
41074_1074	41074	1074	-37.489	368.789	-2.771	-0.815	51.138	13253.86
41074_1075	41074	1075	39.84	-330.313	2.771	0.815	-14.358	-8616.4
41075_1075	41075	1075	-46.951	258.246	-0.627	-2.672	20.852	-3911.67
41075_1076	41075	1076	47.913	-228.903	0.627	2.672	-13.482	6775.81
41076_1076	41076	1076	-53.008	209.288	-0.329	5.109	13.33	-6776.13
41076_1077	41076	1077	53.24	-188.896	0.329	-5.109	-10.619	8418.63
41077_1077	41077	1077	-55.384	188.278	-0.258	-5.824	10.677	-8402.52
41077_1078	41077	1078	55.384	-149.497	0.258	5.824	-6.852	10906.53
41078_1078	41078	1078	-55.378	127.331	0.282	5.096	6.852	-10906.8
41078_1079	41078	1079	55.378	-97.899	-0.282	-5.096	-10.028	12173.91
41079_1079	41079	1079	-55.378	97.899	0.334	-6.202	10.028	-12173.9
41079_1080	41079	1080	55.378	-68.442	-0.334	6.202	-13.784	13110.53
41080_1080	41080	1080	-55.384	44.113	-0.132	5.567	13.784	-13110.9
41080_1081	41080	1081	55.384	-14.658	0.132	-5.567	-12.301	13441.83

41081_1081	41081	1081	-55.384	14.658	-0.083	-6.359	12.301	-13441.8
41081_1082	41081	1082	55.384	14.795	0.083	6.359	-11.372	13441.06
41082_1082	41082	1082	-55.385	-40.588	-0.055	10.555	11.372	-13441.5
41082_1083	41082	1083	55.385	72.239	0.055	-10.555	-10.702	12758.84
41083_1083	41083	1083	-55.385	-72.239	0.036	-10.517	10.702	-12758.8
41083_1084	41083	1084	55.385	103.887	-0.036	10.517	-11.138	11693.32
41084_1084	41084	1084	-55.387	-129.256	-0.125	9.394	11.138	-11693.6
41084_1085	41084	1085	55.387	158.705	0.125	-9.394	-9.728	10072.62
41085_1085	41085	1085	-55.387	-158.705	-0.027	-8.487	9.728	-10072.6
41085_1086	41085	1086	55.387	188.152	0.027	8.487	-9.425	8120.184
41086_1086	41086	1086	-55.39	-211.25	-0.298	5.809	9.425	-8120.34
41086_1087	41086	1087	55.39	240.697	0.298	-5.809	-6.074	5576.364
41087_1087	41087	1087	-55.391	-240.697	-0.199	-4.091	6.074	-5576.37
41087_1088	41087	1088	55.391	270.142	0.199	4.091	-3.83	2701.077
41088_1088	41088	1088	-55.387	-291.169	0.209	1.079	3.83	-2701.19
41088_1089	41088	1089	55.387	328.464	-0.209	-1.079	-6.812	-1716.19
41089_1089	41089	1089	-51.654	-329.071	0.195	0.508	6.818	1700.078
41089_1090	41089	1090	51.409	350.599	-0.195	-0.508	-8.428	-4505.46
41090_1090	41090	1090	-43.305	-369.103	0.584	-1.227	8.386	4505.451
41090_1091	41090	1091	42.29	400.021	-0.584	1.227	-15.248	-9024.44
41091_1091	41091	1091	-34.456	-401.808	2.193	2.992	16.927	9166.088
41091_1092	41091	1092	32.13	439.966	-2.193	-2.992	-46.03	-14750
41092_1092	41092	1092	-18.485	-455.475	-1.582	-14.201	44.679	14750.1
41092_1093	41092	1093	15.124	493.183	1.582	14.201	-24.812	-20703.3
41093_1093	41093	1093	-1.46	-493.413	-1.49	17.53	28.206	20703.28
41093_1094	41093	1094	-3.217	533.346	1.49	-17.53	-9.467	-27159.1
41094_1094	41094	1094	-2255.01	178.745	0.728	-4.723	-52.988	6861.781
41094_1095	41094	1095	2255.013	-152.545	-0.728	4.723	46.073	-5287.57
41095_1095	41095	1095	-2255.01	152.545	1.34	-3.288	-46.073	5287.569
41095_1096	41095	1096	2255.012	-131.764	-1.34	3.288	35.685	-4185.47
41096_1096	41096	1096	-2255	131.764	7.084	7.373	-35.685	4185.465
41096_1097	41096	1097	2255.002	-111.011	-7.084	-7.373	-19.161	-3245.64
41097_1097	41097	1097	-2255.1	94.348	-4.66	-2.54	19.161	3245.72
41097_1098	41097	1098	2255.098	-72.898	4.66	2.54	18.131	-2576.53
41098_1098	41098	1098	-2255.1	72.898	-1.843	0.679	-18.131	2576.532
41098_1099	41098	1099	2255.102	-51.448	1.843	-0.679	32.877	-2079.01
41099_1099	41099	1099	-2255.1	51.448	-1.843	0.679	-32.877	2079.008
41099_1100	41099	1100	2255.102	-29.999	1.843	-0.679	47.623	-1753.13
41100_1100	41100	1100	-2255	13.911	11.978	9.461	-47.623	1753.066
41100_1101	41100	1101	2254.999	2.176	-11.978	-9.461	-24.259	-1717.85
41101_1101	41101	1101	-2255	-2.176	11.896	9.399	24.259	1717.853
41101_1102	41101	1102	2254.999	18.235	-11.896	-9.399	-95.532	-1779
41102_1102	41102	1102	-2254.99	-18.235	-14.311	-11.276	95.532	1778.986
41102_1103	41102	1103	2254.985	34.326	14.311	11.276	-9.62	-1936.76
41103_1103	41103	1103	-2255.01	-34.326	-10.556	-8.051	9.62	1936.775
41103_1104	41103	1104	2255.006	50.417	10.556	8.051	53.751	-2191.13
41104_1104	41104	1104	-2255	-66.398	0.156	-2.234	-53.751	2191.128
41104_1105	41104	1105	2254.995	87.825	-0.156	2.234	52.508	-2807.55
41105_1105	41105	1105	-2254.99	-87.825	3.06	1.382	-52.508	2807.549
41105_1106	41105	1106	2254.993	109.278	-3.06	-1.382	28.019	-3596.31
41106_1106	41106	1106	-2254.99	-109.278	3.06	1.382	-28.019	3596.314
41106_1107	41106	1107	2254.993	130.731	-3.06	-1.382	3.53	-4556.78
41107_1107	41107	1107	-2255.03	-146.942	-3.466	-2.58	-3.53	4556.82
41107_1108	41107	1108	2255.028	167.696	3.466	2.58	30.369	-5774.96
41108_1108	41108	1108	-2255.03	-167.696	-3.384	-2.368	-30.369	5774.962

41108_1109	41108	1109	2255.028	188.478	3.384	2.368	56.602	-7155.69
41109_1109	41109	1109	-2255.03	-188.478	-1.088	4.916	-56.602	7155.693
41109_1110	41109	1110	2255.031	214.678	1.088	-4.916	66.943	-9071.4
41110_1110	41110	1110	-11.776	493.375	1.626	-20.656	2.406	29739.23
41110_1111	41110	1111	16.453	-453.445	-1.626	20.656	-22.854	-23786.5
41111_1111	41111	1111	-29.002	452.815	1.737	17.103	18.852	23786.53
41111_1112	41111	1112	32.363	-415.111	-1.737	-17.103	-40.663	-18340.8
41112_1112	41112	1112	-44.737	402.493	-2.141	-3.915	42.337	18341.23
41112_1113	41112	1113	47.062	-364.314	2.141	3.915	-13.908	-13252
41113_1113	41113	1113	-48.607	289.1	-1.15	-0.951	23.247	608.686
41113_1114	41113	1114	49.618	-258.283	1.15	0.951	-9.738	2606.521
41114_1114	41114	1114	-55.341	238.976	0.03	6.721	9.625	-2606.62
41114_1115	41114	1115	55.584	-217.522	-0.03	-6.721	-9.873	4490.185
41115_1115	41115	1115	-58.052	216.876	0.157	-3.148	9.949	-4473.5
41115_1116	41115	1116	58.052	-180.548	-0.157	3.148	-12.263	7409.044
41116_1116	41116	1116	-58.052	158.925	-0.273	3.542	12.263	-7409.05
41116_1117	41116	1117	58.052	-131.255	0.273	-3.542	-9.19	9041.592
41117_1117	41117	1117	-58.052	131.255	-0.222	-4.493	9.19	-9041.59
41117_1118	41117	1118	58.052	-103.585	0.222	4.493	-6.698	10362.78
41118_1118	41118	1118	-58.052	80.132	-0.018	9.47	6.698	-10362.8
41118_1119	41118	1119	58.052	-52.439	0.018	-9.47	-6.498	11109.26
41119_1119	41119	1119	-58.052	52.439	0.085	-10.108	6.498	-11109.3
41119_1120	41119	1120	58.052	-24.77	-0.085	10.108	-7.451	11543.61
41120_1120	41120	1120	-58.052	-0.724	-0.241	4.601	7.451	-11543.6
41120_1121	41120	1121	58.052	30.482	0.241	-4.601	-4.535	11354.82
41121_1121	41121	1121	-58.053	-30.482	-0.194	-4.657	4.535	-11354.8
41121_1122	41121	1122	58.053	60.215	0.194	4.657	-2.194	10806.5
41122_1122	41122	1122	-58.053	-85.631	-0.118	4.511	2.194	-10806.5
41122_1123	41122	1123	58.053	113.322	0.118	-4.511	-0.87	9686.323
41123_1123	41123	1123	-58.053	-113.322	-0.067	-3.999	0.87	-9686.32
41123_1124	41123	1124	58.053	140.989	0.067	3.999	-0.12	8255.742
41124_1124	41124	1124	-58.053	-163.884	-0.295	6.019	0.12	-8255.74
41124_1125	41124	1125	58.053	191.575	0.295	-6.019	3.199	6254.412
41125_1125	41125	1125	-58.054	-191.575	-0.192	-5.044	-3.199	-6254.41
41125_1126	41125	1126	58.054	219.241	0.192	5.044	5.36	3943.498
41126_1126	41126	1126	-58.054	-239.453	-0.332	0.612	-5.36	-3943.5
41126_1127	41126	1127	58.054	273.759	0.332	-0.612	9.995	363.753
41127_1127	41127	1127	-54.94	-274.401	-0.268	0.4	-9.991	-380.444
41127_1128	41127	1128	54.715	294.169	0.268	-0.4	12.201	-1965.04
41128_1128	41128	1128	-47.886	-311.187	1.638	-3.38	-12.322	1965.019
41128_1129	41128	1129	46.953	339.628	-1.638	3.38	-6.935	-5790.22
41129_1129	41129	1129	-44.051	-341.909	4.24	8.476	6.214	6032.032
41129_1130	41129	1130	41.789	379.032	-4.24	-8.476	-62.501	-10815.5
41130_1130	41130	1130	-29.659	-396.353	-8.692	-6.317	61.552	10815.44
41130_1131	41130	1131	26.386	433.058	8.692	6.317	47.53	-16017.8
41131_1131	41131	1131	-14.464	-433.621	-8.64	7.742	-46.195	16017.81
41131_1132	41131	1132	9.903	472.614	8.64	-7.742	155.02	-21722.3
41132_1132	41132	1132	-1966.25	167.28	34.59	16.247	-421.419	4939.689
41132_1133	41132	1133	1966.251	-141.839	-34.59	-16.247	92.815	-3471.37
41133_1133	41133	1133	-1966.29	141.839	32.053	11.768	-92.815	3471.392
41133_1134	41133	1134	1966.294	-122.798	-32.053	-11.768	-155.594	-2445.92
41134_1134	41134	1134	-1966.56	122.798	1.607	-26.1	155.594	2445.811
41134_1135	41134	1135	1966.555	-103.753	-1.607	26.1	-168.052	-1567.81
41135_1135	41135	1135	-1966.57	84.322	-3.739	0.299	168.052	1568.342
41135_1136	41135	1136	1966.57	-64.662	3.739	-0.299	-138.134	-972.285

41136_1136	41136	1136	-1966.56	64.662	-6.196	-0.916	138.134	972.285
41136_1137	41136	1137	1966.563	-45.002	6.196	0.916	-88.553	-533.531
41137_1137	41137	1137	-1966.57	45.002	-3.739	-0.249	88.553	533.531
41137_1138	41137	1138	1966.57	-25.341	3.739	0.249	-58.635	-252.103
41138_1138	41138	1138	-1966.63	8.712	-3.714	-0.171	58.635	252.113
41138_1139	41138	1139	1966.634	6.009	3.714	0.171	-36.386	-244.018
41139_1139	41139	1139	-1966.64	-6.009	-0.366	0.244	36.386	244.018
41139_1140	41139	1140	1966.637	20.754	0.366	-0.244	-34.188	-324.325
41140_1140	41140	1140	-1966.64	-20.754	-0.366	0.244	34.188	324.325
41140_1141	41140	1141	1966.637	35.5	0.366	-0.244	-31.991	-493.121
41141_1141	41141	1141	-1966.63	-35.5	-3.642	-0.577	31.991	493.121
41141_1142	41141	1142	1966.634	50.245	3.642	0.577	-10.131	-750.415
41142_1142	41142	1142	-1966.65	-67.095	0.211	0.97	10.131	750.42
41142_1143	41142	1143	1966.648	86.755	-0.211	-0.97	-11.823	-1365.95
41143_1143	41143	1143	-1966.65	-86.755	0.211	0.97	11.823	1365.947
41143_1144	41143	1144	1966.648	106.416	-0.211	-0.97	-13.516	-2138.79
41144_1144	41144	1144	-1966.65	-106.416	-2.246	-1.702	13.516	2138.785
41144_1145	41144	1145	1966.647	126.076	2.246	1.702	4.455	-3068.96
41145_1145	41145	1145	-1966.56	-142.348	-5.551	-0.754	-4.455	3068.945
41145_1146	41145	1146	1966.556	161.369	5.551	0.754	47.43	-4244.58
41146_1146	41146	1146	-1966.56	-161.369	-5.499	-0.64	-47.43	4244.582
41146_1147	41146	1147	1966.556	180.415	5.499	0.64	90.055	-5569.28
41147_1147	41147	1147	-1966.56	-180.415	-4.231	2.951	-90.055	5569.279
41147_1148	41147	1148	1966.559	205.861	4.231	-2.951	130.253	-7404.46
41148_1148	41148	1148	-42.136	423.747	0.255	-8.919	-6.388	24601.74
41148_1149	41148	1149	46.698	-384.777	-0.255	8.919	3.182	-19515.6
41149_1149	41149	1149	-57.275	383.345	0.326	6.405	-4.785	19515.55
41149_1150	41149	1150	60.548	-346.662	-0.326	-6.405	0.694	-14939.7
41150_1150	41150	1150	-71.093	331.338	-0.14	-1.418	-0.036	14939.84
41150_1151	41150	1151	73.355	-294.207	0.14	1.418	1.9	-10788.7
41151_1151	41151	1151	-72.775	208.279	-0.269	-1.077	-0.607	-1002.96
41151_1152	41151	1152	73.721	-179.435	0.269	1.077	3.775	3282.033
41152_1152	41152	1152	-77.747	160.778	-0.008	0.298	-3.811	-3282.02
41152_1153	41152	1153	77.975	-140.727	0.008	-0.298	3.875	4526.014
41153_1153	41153	1153	-79.568	139.832	0.01	-0.688	-3.872	-4526.01
41153_1154	41153	1154	79.568	-107.439	-0.01	0.688	3.73	6225.116
41154_1154	41154	1154	-79.572	87.836	0.153	2.995	-3.73	-6225.11
41154_1155	41154	1155	79.572	-61.902	-0.153	-2.995	2.051	7048.848
41155_1155	41155	1155	-79.572	61.902	0.225	-3.41	-2.051	-7048.85
41155_1156	41155	1156	79.572	-35.969	-0.225	3.41	-0.422	7587.25
41156_1156	41156	1156	-79.569	15.49	0.005	3.711	0.422	-7587.25
41156_1157	41156	1157	79.569	8.134	-0.005	-3.711	-0.475	7624.114
41157_1157	41157	1157	-79.569	-8.134	0.083	-3.743	0.475	-7624.11
41157_1158	41157	1158	79.569	31.733	-0.083	3.743	-1.306	7424.543
41158_1158	41158	1158	-79.571	-51.66	0.107	3.464	1.306	-7424.54
41158_1159	41158	1159	79.571	75.283	-0.107	-3.464	-2.375	6788.422
41159_1159	41159	1159	-79.571	-75.283	0.184	-3.173	2.375	-6788.42
41159_1160	41159	1160	79.571	98.882	-0.184	3.173	-4.221	5916.553
41160_1160	41160	1160	-79.567	-118.877	-0.084	0.327	4.221	-5916.6
41160_1161	41160	1161	79.567	144.811	0.084	-0.327	-3.295	4465.992
41161_1161	41161	1161	-79.567	-144.811	-0.084	0.327	3.295	-4465.99
41161_1162	41161	1162	79.567	170.745	0.084	-0.327	-2.369	2730.058
41162_1162	41162	1162	-79.577	-189.701	0.423	0.498	2.369	-2730.02
41162_1163	41162	1163	79.577	222.094	-0.423	-0.498	-8.177	-99.593
41163_1163	41163	1163	-77.048	-222.984	0.405	0.383	8.182	99.593

41163_1164	41163	1164	76.821	243.035	-0.405	-0.383	-11.52	-2022.4
41164_1164	41164	1164	-71.054	-260.943	0.01	0.795	11.547	2022.401
41164_1165	41164	1165	70.108	289.787	-0.01	-0.795	-11.669	-5259.91
41165_1165	41165	1165	-66.913	-293.462	1.41	0.409	4.515	5603.773
41165_1166	41165	1166	64.666	330.342	-1.41	-0.409	-23.235	-9743.34
41166_1166	41166	1166	-53.868	-348.086	-0.833	-4.837	22.827	9743.327
41166_1167	41166	1167	50.616	384.532	0.833	4.837	-12.381	-14335.7
41167_1167	41167	1167	-40.008	-385.78	-0.764	6.447	13.604	14335.66
41167_1168	41167	1168	35.474	424.513	0.764	-6.447	-3.989	-19432.9
41168_1168	41168	1168	-1777.87	181.436	1.195	-1.46	-27.916	5068.23
41168_1169	41168	1169	1777.874	-156.171	-1.195	1.46	16.563	-3464.24
41169_1169	41169	1169	-1777.87	156.171	1.919	-0.049	-16.563	3464.24
41169_1170	41169	1170	1777.874	-137.041	-1.919	0.049	1.688	-2327.8
41170_1170	41170	1170	-1777.87	137.041	1.919	-0.049	-1.688	2327.801
41170_1171	41170	1171	1777.874	-117.912	-1.919	0.049	-13.187	-1339.65
41171_1171	41171	1171	-1777.82	100.963	0.252	0.287	13.187	1339.636
41171_1172	41171	1172	1777.816	-81.217	-0.252	-0.287	-15.204	-610.773
41172_1172	41172	1172	-1777.82	81.217	-2.016	-0.492	15.204	610.772
41172_1173	41172	1173	1777.815	-61.494	2.016	0.492	0.912	-40.513
41173_1173	41173	1173	-1777.82	61.494	0.252	-0.441	-0.912	40.514
41173_1174	41173	1174	1777.816	-41.748	-0.252	0.441	-1.106	372.54
41174_1174	41174	1174	-1777.83	24.038	0.897	-0.203	1.106	-372.535
41174_1175	41174	1175	1777.828	-9.228	-0.897	0.203	-6.486	472.352
41175_1175	41175	1175	-1777.83	9.228	-2.065	0.584	6.486	-472.352
41175_1176	41175	1176	1777.827	5.582	2.065	-0.584	5.909	483.292
41176_1176	41176	1176	-1777.83	-5.582	0.897	-0.221	-5.909	-483.293
41176_1177	41176	1177	1777.828	20.392	-0.897	0.221	0.528	405.355
41177_1177	41177	1177	-1777.83	-20.392	0.897	-0.221	-0.528	-405.355
41177_1178	41177	1178	1777.828	35.202	-0.897	0.221	-4.852	238.542
41178_1178	41178	1178	-1777.84	-52.837	-1.012	-0.064	4.852	-238.545
41178_1179	41178	1179	1777.835	72.559	1.012	0.064	3.235	-262.524
41179_1179	41179	1179	-1777.84	-72.559	1.257	0.271	-3.235	262.524
41179_1180	41179	1180	1777.835	92.305	-1.257	-0.271	-6.822	-922.112
41180_1180	41180	1180	-1777.84	-92.305	1.257	0.271	6.822	922.112
41180_1181	41180	1181	1777.835	112.051	-1.257	-0.271	-16.878	-1739.7
41181_1181	41181	1181	-1777.78	-129.047	-2.739	0.923	16.878	1739.736
41181_1182	41181	1182	1777.78	148.177	2.739	-0.923	4.355	-2814.21
41182_1182	41182	1182	-1777.78	-148.177	-2.739	0.923	-4.355	2814.207
41182_1183	41182	1183	1777.78	167.306	2.739	-0.923	25.589	-4036.96
41183_1183	41183	1183	-1777.78	-167.306	-3.463	-0.721	-25.589	4036.962
41183_1184	41183	1184	1777.778	192.572	3.463	0.721	58.498	-5746.76
41184_1184	41184	1184	-47.848	402.893	0.603	5.249	-12.956	20235.8
41184_1185	41184	1185	52.382	-364.191	-0.603	-5.249	5.374	-15414.3
41185_1185	41185	1185	-62.452	362.6	0.529	-6.636	-4.154	15414.33
41185_1186	41185	1186	65.703	-326.124	-0.529	6.636	-2.484	-11093.8
41186_1186	41186	1186	-75.686	309.714	-0.675	-0.688	1.93	11093.86
41186_1187	41186	1187	77.932	-272.834	0.675	0.688	7.025	-7228.18
41187_1187	41187	1187	-84.387	187.364	-0.135	-0.854	6.317	-4293.97
41187_1188	41187	1188	85.354	-157.901	0.135	0.854	-4.726	6323.463
41188_1188	41188	1188	-88.913	138.596	-0.151	-2.564	4.725	-6323.52
41188_1189	41188	1189	89.145	-118.135	0.151	2.564	-3.478	7381.489
41189_1189	41189	1189	-90.483	117.113	-0.193	0.818	3.449	-7394.91
41189_1190	41189	1190	90.483	-82.571	0.193	-0.818	-0.796	8768.046
41190_1190	41190	1190	-90.488	62.012	0.168	-4.65	0.796	-8767.96
41190_1191	41190	1191	90.488	-34.379	-0.168	4.65	-2.642	9298.218

41191_1191	41191	1191	-90.488	34.379	0.086	3.799	2.642	-9298.22
41191_1192	41191	1192	90.488	-6.745	-0.086	-3.799	-3.583	9524.445
41192_1192	41192	1192	-90.487	-14.748	0.034	4.453	3.583	-9524.41
41192_1193	41192	1193	90.487	40.146	-0.034	-4.453	-3.927	9246.861
41193_1193	41193	1193	-90.487	-40.146	0.124	-4.69	3.927	-9246.86
41193_1194	41193	1194	90.487	65.543	-0.124	4.69	-5.176	8712.499
41194_1194	41194	1194	-90.485	-86.236	-0.053	0.186	5.176	-8712.59
41194_1195	41194	1195	90.485	111.634	0.053	-0.186	-4.637	7712.135
41195_1195	41195	1195	-90.485	-111.634	-0.053	0.186	4.637	-7712.14
41195_1196	41195	1196	90.485	137.033	0.053	-0.186	-4.098	6454.852
41196_1196	41196	1196	-90.485	-158.435	0.019	-1.683	4.098	-6454.77
41196_1197	41196	1197	90.485	186.068	-0.019	1.683	-4.305	4559.624
41197_1197	41197	1197	-90.485	-186.068	-0.065	2.547	4.305	-4559.62
41197_1198	41197	1198	90.485	213.677	0.065	-2.547	-3.589	2362.542
41198_1198	41198	1198	-90.495	-233.991	0.369	0.749	3.589	-2362.56
41198_1199	41198	1199	90.495	268.533	-0.369	-0.749	-8.665	-1093.02
41199_1199	41199	1199	-87.379	-269.564	0.347	0.484	8.672	1119.057
41199_1200	41199	1200	87.132	290.89	-0.347	-0.484	-11.537	-3431.52
41200_1200	41200	1200	-80.164	-311.012	0.721	1.42	11.584	3431.534
41200_1201	41200	1201	79.14	341.673	-0.721	-1.42	-20.057	-7268.55
41201_1201	41201	1201	-70.685	-345.649	3.445	0.583	18.065	7558.741
41201_1202	41201	1202	68.202	385.825	-3.445	-0.583	-63.774	-12409.7
41202_1202	41202	1202	-55.337	-407.451	-2.546	1.802	64.037	12409.91
41202_1203	41202	1203	51.764	447.065	2.546	-1.802	-32.08	-17771.4
41203_1203	41203	1203	-39.375	-448.327	-2.546	0.914	32.118	17771.44
41203_1204	41203	1204	34.427	490.199	2.546	-0.914	-0.069	-23676.6
41204_1204	41204	1204	-2121.06	192.47	6.039	1.3	-61.68	6123.102
41204_1205	41204	1205	2121.064	-164.82	-6.039	-1.3	4.299	-4425.64
41205_1205	41205	1205	-2121.07	164.82	4.615	-2.238	-4.299	4165.629
41205_1206	41205	1206	2121.067	-143.771	-4.615	2.238	-31.425	-2971.13
41206_1206	41206	1206	-2121.07	143.771	4.671	-2.159	31.425	2971.128
41206_1207	41206	1207	2121.067	-122.696	-4.671	2.159	-67.634	-1938.35
41207_1207	41207	1207	-2120.78	103.202	-7.251	-1.429	67.634	1938.4
41207_1208	41207	1208	2120.778	-81.447	7.251	1.429	-9.611	-1199.64
41208_1208	41208	1208	-2120.79	81.447	-4.601	0.069	9.611	1199.637
41208_1209	41208	1209	2120.785	-59.692	4.601	-0.069	27.207	-634.971
41209_1209	41209	1209	-2120.79	59.692	-4.601	0.069	-27.207	634.971
41209_1210	41209	1210	2120.785	-37.936	4.601	-0.069	64.026	-244.381
41210_1210	41210	1210	-2120.91	19.387	-3.228	-0.183	-64.026	244.385
41210_1211	41210	1211	2120.911	-3.071	3.228	0.183	83.401	-176.995
41211_1211	41211	1211	-2120.91	3.071	0.305	0.112	-83.401	176.996
41211_1212	41211	1212	2120.914	13.246	-0.305	-0.112	81.572	-207.527
41212_1212	41212	1212	-2120.91	-13.246	0.234	0.105	-81.572	207.527
41212_1213	41212	1213	2120.914	29.535	-0.234	-0.105	80.17	-335.681
41213_1213	41213	1213	-2120.91	-29.535	-3.228	-0.443	-80.17	335.681
41213_1214	41213	1214	2120.911	45.852	3.228	0.443	99.545	-561.894
41214_1214	41214	1214	-2121.05	-64.412	5.634	0.374	-99.545	561.891
41214_1215	41214	1215	2121.048	86.167	-5.634	-0.374	54.467	-1164.33
41215_1215	41215	1215	-2121.05	-86.167	2.983	-1.081	-54.467	1164.326
41215_1216	41215	1216	2121.054	107.923	-2.983	1.081	30.595	-1940.86
41216_1216	41216	1216	-2121.05	-107.923	5.634	1.344	-30.595	1940.859
41216_1217	41216	1217	2121.048	129.678	-5.634	-1.344	-14.483	-2891.45
41217_1217	41217	1217	-2120.86	-148.674	-2.936	-0.263	14.483	2891.457
41217_1218	41217	1218	2120.859	169.75	2.936	0.263	8.279	-4125.61
41218_1218	41218	1218	-2120.86	-169.75	-2.993	-0.373	-8.279	4125.614

41218_1219	41218	1219	2120.859	190.798	2.993	0.373	31.451	-5521.23
41219_1219	41219	1219	-2120.86	-190.798	-1.569	3.143	-31.451	5781.214
41219_1220	41219	1220	2120.86	218.449	1.569	-3.143	46.357	-7725.53
41220_1220	41220	1220	-24.896	467.838	2.963	-50.591	9.397	25739.15
41220_1221	41220	1221	29.844	-425.969	-2.963	50.591	-46.704	-20115.8
41221_1221	41221	1221	-41.602	424.979	3.346	44.28	36.614	20115.84
41221_1222	41221	1222	45.175	-385.37	-3.346	-44.28	-78.607	-15032.2
41222_1222	41222	1222	-56.661	371.975	-3.877	-3.531	82.642	15030.62
41222_1223	41222	1223	59.144	-331.775	3.877	3.531	-31.172	-10360.8
41223_1223	41223	1223	-70.191	244.84	-0.476	-4.189	10.193	-2037.56
41223_1224	41223	1224	71.236	-213.575	0.476	4.189	-4.596	4731.845
41224_1224	41224	1224	-76.138	189.932	0.114	12.567	4.308	-4731.52
41224_1225	41224	1225	76.39	-168.182	-0.114	-12.567	-5.247	6208.788
41225_1225	41225	1225	-78.332	167.285	0.399	-10.169	5.393	-6219.71
41225_1226	41225	1226	78.332	-122.429	-0.399	10.169	-11.943	8596.826
41226_1226	41226	1226	-78.32	95.262	0.161	23.1	11.943	-8595.44
41226_1227	41226	1227	78.32	-61.53	-0.161	-23.1	-13.931	9562.858
41227_1227	41227	1227	-78.318	61.53	0.542	-23.469	13.931	-9562.86
41227_1228	41227	1228	78.318	-27.825	-0.542	23.469	-20.62	10113.76
41228_1228	41228	1228	-78.301	-0.325	0.329	16.376	20.62	-10111.3
41228_1229	41228	1229	78.301	34.058	-0.329	-16.376	-24.678	9899.131
41229_1229	41229	1229	-78.299	-34.058	0.584	-15.835	24.678	-9899.13
41229_1230	41229	1230	78.299	67.766	-0.584	15.835	-31.875	9271.299
41230_1230	41230	1230	-78.25	-95.593	-0.073	13.292	31.875	-9267.87
41230_1231	41230	1231	78.25	129.304	0.073	-13.292	-30.972	7881.062
41231_1231	41231	1231	-78.25	-129.304	0.182	-12.417	30.972	-7881.06
41231_1232	41231	1232	78.25	162.991	-0.182	12.417	-33.215	6079.991
41232_1232	41232	1232	-78.296	-187.609	1.546	9.92	33.215	-6078.23
41232_1233	41232	1233	78.296	214.626	-1.546	-9.92	-48.491	4090.451
41233_1233	41233	1233	-78.291	-214.626	1.795	-3.103	48.491	-4090.46
41233_1234	41233	1234	78.291	245.993	-1.795	3.103	-69.089	1447.582
41234_1234	41234	1234	-76.911	-246.425	2.148	-10.02	69.034	-1447.55
41234_1235	41234	1235	76.862	255.19	-2.148	10.02	-75.783	659.523
41235_1235	41235	1235	-59.251	-269.69	1.093	-1.511	86.928	-1122.91
41235_1236	41235	1236	58.66	289.973	-1.093	1.511	-94.741	-877.066
41236_1236	41236	1236	-59.523	-289.797	1.231	0.577	94.793	877.062
41236_1237	41236	1237	58.797	317.612	-1.231	-0.577	-106.76	-3828.86
41237_1237	41237	1237	-50.671	-319.008	1.416	8.379	107.284	3828.834
41237_1238	41237	1238	49.83	335.278	-1.416	-8.379	-114.052	-5392.56
41238_1238	41238	1238	-43.249	-354.465	6.102	-12.443	112.881	5390.534
41238_1239	41238	1239	40.698	391.738	-6.102	12.443	-178.449	-9398.35
41239_1239	41239	1239	-31.346	-392.593	6.297	10.366	180.602	9398.31
41239_1240	41239	1240	27.713	431.9	-6.297	-10.366	-249.666	-13918.2
41240_1240	41240	1240	-10.779	-458.814	-30.34	-22.88	246.669	13912.07
41240_1241	41240	1241	5.535	503.397	30.34	22.88	114.844	-19642.3
41241_1241	41241	1241	-1974.89	232.137	-8.553	16.723	302.931	4960.48
41241_1242	41241	1242	1974.885	-200.551	8.553	-16.723	-221.65	-2904.53
41242_1242	41242	1242	-1974.89	200.551	-6.366	19.939	221.65	2904.506
41242_1243	41242	1243	1974.893	-190.195	6.366	-19.939	-201.504	-2286.23
41243_1243	41243	1243	-1972.7	170.218	-32.636	-3.803	201.504	2284.152
41243_1244	41243	1244	1972.704	-140.063	32.636	3.803	99.211	-854.667
41244_1244	41244	1244	-1972.8	140.063	-26.195	-1.012	-99.211	854.675
41244_1245	41244	1245	1972.8	-106.001	26.195	1.012	371.851	425.827
41245_1245	41245	1245	-1973.23	90.672	-15.086	1.195	-371.851	-425.589
41245_1246	41245	1246	1973.227	-58.768	15.086	-1.195	518.912	1153.999

41246_1246	41246	1246	-1973.27	58.768	-8.71	-2.534	-518.912	-1154
41246_1247	41246	1247	1973.265	-26.431	8.71	2.534	604.977	1574.915
41247_1247	41247	1247	-1973.38	7.664	-0.149	2.114	-604.977	-1574.28
41247_1248	41247	1248	1973.383	22.056	0.149	-2.114	606.333	1508.932
41248_1248	41248	1248	-1973.38	-22.056	3.732	-0.854	-606.333	-1508.93
41248_1249	41248	1249	1973.379	56.538	-3.732	0.854	567.011	1094.902
41249_1249	41249	1249	-1972.22	-76.482	-10.646	1.497	-567.011	-1094.57
41249_1250	41249	1250	1972.215	110.316	10.646	-1.497	677.07	129.012
41250_1250	41250	1250	-1972.24	-110.316	-2.726	0.979	-677.07	-129.017
41250_1251	41250	1251	1972.242	140.712	2.726	-0.979	702.388	-1036.75
41251_1251	41251	1251	-1975.13	-168.925	62.811	-4.948	-702.388	1036.343
41251_1252	41251	1252	1975.131	202.086	-62.811	4.948	65.961	-2915.97
41252_1252	41252	1252	-1974.93	-202.086	68.816	3.918	-65.961	2915.969
41252_1253	41252	1253	1974.93	238.769	-68.816	-3.918	-705.371	-5386.66
41253_1253	41253	1253	-1974.98	-238.769	67.405	0.071	705.371	5386.664
41253_1254	41253	1254	1974.979	249.274	-67.405	-0.071	-918.421	-6157.95
41254_1254	41254	1254	-1970.01	-277.904	-36.62	-39.697	918.421	6155.088
41254_1255	41254	1255	1970.007	298.956	36.62	39.697	-686.471	-7981.98
41255_1255	41255	1255	-15.852	428.002	-51.286	-0.51	682.636	23166.73
41255_1256	41255	1256	19.579	-397.394	51.286	0.51	-266.104	-19815.6
41256_1256	41256	1256	-26.299	397.023	-51.152	34.207	261.952	19815.67
41256_1257	41256	1257	29.086	-370.455	51.152	-34.207	109.914	-17026.4
41257_1257	41257	1257	-39.646	356.894	13.851	-24.375	-104.048	17022.75
41257_1258	41257	1258	42.793	-320.07	-13.851	24.375	-39.769	-13509.3
41258_1258	41258	1258	-50.783	318.89	14.056	14.173	36.764	13509.33
41258_1259	41258	1259	53.399	-275.429	-14.056	-14.173	-214.456	-9754.07
41259_1259	41259	1259	-112.195	261.993	1.763	7.765	3.947	-3180.87
41259_1260	41259	1260	113.256	-231.077	-1.763	-7.765	-22.547	5781.626
41260_1260	41260	1260	-118.274	228.547	2.033	-5.62	22.872	-5781.63
41260_1261	41260	1261	118.616	-201.068	-2.033	5.62	-42.087	7811.834
41261_1261	41261	1261	-121.105	199.578	2.094	-9.526	42.014	-7781.14
41261_1262	41261	1262	121.105	-190.53	-2.094	9.526	-48.645	8398.922
41262_1262	41262	1262	-121.044	162.287	-0.162	18.75	48.645	-8397.66
41262_1263	41262	1263	121.044	-130.531	0.162	-18.75	-46.85	10024.99
41263_1263	41263	1263	-121.043	130.531	0.262	-16.355	46.85	-10025
41263_1264	41263	1264	121.043	-96.435	-0.262	16.355	-49.98	11379.35
41264_1264	41264	1264	-121.046	67.175	1.004	22.237	49.98	-11378.2
41264_1265	41264	1265	121.046	-34.1	-1.004	-22.237	-61.607	11964.46
41265_1265	41265	1265	-121.041	34.1	1.44	-20.792	61.607	-11964.5
41265_1266	41265	1266	121.041	-1.3	-1.44	20.792	-78.137	12167.67
41266_1266	41266	1266	-121.027	-28.902	0.244	14.989	78.137	-12167.1
41266_1267	41266	1267	121.027	62.265	-0.244	-14.989	-80.982	11634.77
41267_1267	41267	1267	-121.026	-62.265	0.542	-13.702	80.982	-11634.8
41267_1268	41267	1268	121.026	94.746	-0.542	13.702	-87.145	10742.24
41268_1268	41268	1268	-121.02	-124.17	2.071	14.332	87.145	-10742.3
41268_1269	41268	1269	121.02	161.454	-2.071	-14.332	-114.174	8878.579
41269_1269	41269	1269	-121.012	-161.454	2.466	-14.62	114.174	-8878.58
41269_1270	41269	1270	121.012	194.17	-2.466	14.62	-142.41	6842.399
41270_1270	41270	1270	-121.014	-221.146	-4.871	8.648	142.41	-6842.37
41270_1271	41270	1271	121.014	247.332	4.871	-8.648	-97.765	4695.421
41271_1271	41271	1271	-121.026	-247.332	-4.562	-3.358	97.765	-4695.43
41271_1272	41271	1272	121.026	279.211	4.562	3.358	-46.866	1757.8
41272_1272	41272	1272	-119.166	-280.014	-4.255	-7.049	46.82	-1788.46
41272_1273	41272	1273	119.08	292.924	4.255	7.049	-29.07	593.308
41273_1273	41273	1273	-114.355	-322.552	18.696	-1.748	29.087	-593.381

41273_1274	41273	1274	113.863	347.254	-18.696	1.748	-177.786	-2070.23
41274_1274	41274	1274	-107.819	-349.169	18.871	-1.806	177.841	2070.228
41274_1275	41274	1275	106.9	373.852	-18.871	1.806	-326.518	-4918.17
41275_1275	41275	1275	-101.956	-375.208	19.318	10.295	327.288	4906.741
41275_1276	41275	1276	101.205	390.148	-19.318	-10.295	-408.066	-6506.88
41276_1276	41276	1276	-22.324	-470.086	-82.706	-62.776	540.12	19950.58
41276_1277	41276	1277	19.433	512.884	82.706	62.776	433.284	-25733.6
41277_1277	41277	1277	-6.046	-513.25	-82.497	47.987	-425.441	25733.81
41277_1278	41277	1278	1.472	561.694	82.497	-47.987	1482.083	-32615.4
41278_1278	41278	1278	10.629	-547.865	132.87	-82.229	-1500.28	32615.83
41278_1279	41278	1279	-15.169	585.987	-132.87	82.229	218.638	-38083
41279_1279	41279	1279	-2671.64	328.49	47.009	42.235	-825.78	13026.85
41279_1280	41279	1280	2671.641	-295.446	-47.009	-42.235	379.08	-10062.4
41280_1280	41280	1280	-2671.62	295.446	48.493	52.078	-379.08	10296.83
41280_1281	41280	1281	2671.615	-277.909	-48.493	-52.078	116.235	-8742.96
41281_1281	41281	1281	-2671.62	254.649	-25.164	-10.54	-116.235	8742.926
41281_1282	41281	1282	2671.615	-218.237	25.164	10.54	427.255	-5820.6
41282_1282	41282	1282	-2671.68	218.237	-17.175	6.866	-427.255	5820.609
41282_1283	41282	1283	2671.678	-182.464	17.175	-6.866	635.804	-3387.83
41283_1283	41283	1283	-2671.67	138.999	13.884	-3.277	-635.804	3387.842
41283_1284	41283	1284	2671.673	-102.45	-13.884	3.277	463.56	-1890.14
41284_1284	41284	1284	-2671.61	102.45	22.556	2.858	-463.56	1890.14
41284_1285	41284	1285	2671.614	-70.758	-22.556	-2.858	220.916	-958.512
41285_1285	41285	1285	-2671.49	32.662	28.963	-1.372	-220.916	958.338
41285_1286	41285	1286	2671.491	0.305	-28.963	1.372	-103.189	-777.299
41286_1286	41286	1286	-2671.39	-0.305	36.97	0.958	103.189	777.3
41286_1287	41286	1287	2671.392	30.953	-36.97	-0.958	-487.792	-939.893
41287_1287	41287	1287	-2671.67	-68.793	-22.363	-4.218	487.792	939.938
41287_1288	41287	1288	2671.667	107.379	22.363	4.218	-194.891	-2093.63
41288_1288	41288	1288	-2671.73	-107.379	-13.169	2.987	194.891	2093.634
41288_1289	41288	1289	2671.728	140.44	13.169	-2.987	-47.105	-3484.15
41289_1289	41289	1289	-2671.75	-175.657	-3.177	-0.385	47.105	3484.203
41289_1290	41289	1290	2671.752	187.455	3.177	0.385	-34.384	-4211.29
41290_1290	41290	1290	-2671.75	-187.455	0.672	5.622	34.384	3976.835
41290_1291	41290	1291	2671.754	217.743	-0.672	-5.622	-40.766	-5901.5
41291_1291	41291	1291	56.712	744.204	23.155	-13.989	-184.717	27777.09
41291_1292	41291	1292	-53.609	-716.913	-23.155	13.989	12.414	-22341.4
41292_1292	41292	1292	32.373	686.59	2.482	-33.62	-11.017	22341.9
41292_1293	41292	1293	-28.446	-641.866	-2.482	33.62	-20.458	-13921.4
41293_1293	41293	1293	8.767	642.436	2.609	29.11	15.808	13921.46
41293_1294	41293	1294	-6.599	-604.384	-2.609	-29.11	-45.003	-6945.81
41294_1294	41294	1294	7.542	571.209	-3.854	-12.582	104.796	7912.341
41294_1295	41294	1295	-6.748	-547.8	3.854	12.582	-77.614	-3966.47
41295_1295	41295	1295	-3.907	547.828	-3.807	1.34	77.131	3967.668
41295_1296	41295	1296	4.205	-527.222	3.807	-1.34	-49.882	-120.349
41296_1296	41296	1296	-11.489	527.114	-3.795	0.777	49.896	120.348
41296_1297	41296	1297	11.506	-501.853	3.795	-0.777	-16.523	4404.341
41297_1297	41297	1297	-11.846	462.532	0.015	20.587	16.523	-4404.36
41297_1298	41297	1298	11.846	-450.894	-0.015	-20.587	-16.585	6255.1
41298_1298	41298	1298	-11.846	450.894	0.034	10.486	16.585	-6255.13
41298_1299	41298	1299	11.846	-422.752	-0.034	-10.486	-16.875	9953.162
41299_1299	41299	1299	-11.846	422.752	0.072	-21.395	16.875	-9953.15
41299_1300	41299	1300	11.846	-382.91	-0.072	21.395	-17.74	14781.24
41300_1300	41300	1300	-11.844	336.387	1.068	36.37	17.74	-14781.3
41300_1301	41300	1301	11.844	-292.629	-1.068	-36.37	-31.797	18921.25

41301_1301	41301	1301	-11.84	292.629	1.115	-39.457	31.797	-18921.2
41301_1302	41301	1302	11.84	-254.971	-1.115	39.457	-44.432	22022.97
41302_1302	41302	1302	-11.839	203.099	-0.528	54.299	44.432	-22023
41302_1303	41302	1303	11.839	-158.346	0.528	-54.299	-37.329	24455.98
41303_1303	41303	1303	-11.841	158.346	-0.472	-60.415	37.329	-24456
41303_1304	41303	1304	11.841	-121.644	0.472	60.415	-32.118	26001.63
41304_1304	41304	1304	-11.84	67.391	0.648	52.986	32.118	-26001.8
41304_1305	41304	1305	11.84	-23.958	-0.648	-52.986	-40.579	26598.53
41305_1305	41305	1305	-11.838	23.958	0.695	-52.802	40.579	-26598.5
41305_1306	41305	1306	11.838	14.041	-0.695	52.802	-48.521	26655.21
41306_1306	41306	1306	-11.838	-67.55	-1.133	50.431	48.521	-26655.2
41306_1307	41306	1307	11.838	106.984	1.133	-50.431	-35.075	25620
41307_1307	41307	1307	-11.842	-106.984	-1.092	-39.045	35.075	-25620
41307_1308	41307	1308	11.842	148.989	1.092	39.045	-21.275	24002.76
41308_1308	41308	1308	-11.842	-199.724	0.822	45.731	21.275	-24002.8
41308_1309	41308	1309	11.842	240.158	-0.822	-45.731	-31.269	21327.58
41309_1309	41309	1309	-11.839	-240.158	0.867	-36.023	31.269	-21327.6
41309_1310	41309	1310	11.839	281.182	-0.867	36.023	-41.969	18110.7
41310_1310	41310	1310	-11.838	-327.573	-0.059	30.239	41.969	-18110.7
41310_1311	41310	1311	11.838	370.155	0.059	-30.239	-41.214	13641.88
41311_1311	41311	1311	-11.838	-370.155	-0.014	-21.987	41.214	-13641.9
41311_1312	41311	1312	11.838	412.644	0.014	21.987	-41.039	8639.253
41312_1312	41312	1312	-11.845	-447.799	-2.286	4.891	41.039	-8639.27
41312_1313	41312	1313	11.845	507.477	2.286	-4.891	0	64.453
42000_2000	42000	2000	0.002	18.324	0.042	-0.055	0	0.003
42000_2001	42000	2001	-0.002	7.472	-0.042	0.055	-0.669	86.604
42001_2001	42001	2001	0.002	-7.472	0.042	0.015	0.669	-86.604
42001_2002	42001	2002	-0.002	24.644	-0.042	-0.015	-1.115	-84.008
42002_2002	42002	2002	0	22.067	-0.057	-0.019	1.115	83.94
42002_2003	42002	2003	0	-2.389	0.057	0.019	-0.424	64.938
42003_2003	42003	2003	0	2.389	-0.057	-0.025	0.424	-64.938
42003_2004	42003	2004	0	17.305	0.057	0.025	0.267	-25.939
42004_2004	42004	2004	0.002	19.691	0.017	-0.051	-0.267	25.63
42004_2005	42004	2005	-0.002	-0.013	-0.017	0.051	0.065	94.323
42005_2005	42005	2005	0.002	0.013	0.017	0.017	-0.065	-94.323
42005_2006	42005	2006	-0.002	19.682	-0.017	-0.017	-0.138	-25.526
42006_2006	42006	2006	0.002	19.974	-0.005	-0.01	0.138	25.484
42006_2007	42006	2007	-0.002	-0.295	0.005	0.01	-0.082	97.922
42007_2007	42007	2007	0.002	0.295	-0.005	-0.01	0.082	-97.922
42007_2008	42007	2008	-0.002	19.385	0.005	0.01	-0.027	-18.302
42008_2008	42008	2008	0.003	19.483	0.003	0.044	0.027	18.639
42008_2009	42008	2009	-0.003	0.199	-0.003	-0.044	-0.064	98.778
42009_2009	42009	2009	0.003	-0.199	0.003	-0.046	0.064	-98.778
42009_2010	42009	2010	-0.003	19.894	-0.003	0.046	-0.101	-23.655
42010_2010	42010	2010	0.003	19.404	0.003	0.006	0.101	23.654
42010_2011	42010	2011	-0.003	0.277	-0.003	-0.006	-0.133	92.811
42011_2011	42011	2011	0.003	-0.277	0.003	0.006	0.133	-92.811
42011_2012	42011	2012	-0.003	19.958	-0.003	-0.006	-0.165	-30.4
42012_2012	42012	2012	0.003	18.41	-0.007	0.046	0.165	30.116
42012_2013	42012	2013	-0.003	1.267	0.007	-0.046	-0.081	74.248
42013_2013	42013	2013	0.003	-1.267	-0.007	-0.022	0.081	-74.248
42013_2014	42013	2014	-0.003	20.959	0.007	0.022	0.004	-61.154
42014_2014	42014	2014	0.003	20.71	0.023	0.025	-0.004	61.091
42014_2015	42014	2015	-0.003	6.096	-0.023	-0.025	-0.381	60.105
42015_2015	42015	2015	0.003	-6.096	0.023	-0.009	0.381	-60.105

42015_2016	42015	2016	-0.003	19.425	-0.023	0.009	-0.572	-45.135
42016_2016	42016	2016	-0.336	20.356	-0.001	0.017	0.558	103.89
42016_2017	42016	2017	0.336	-1.631	0.001	-0.017	-0.545	25.338
42017_2017	42017	2017	-0.336	1.631	-0.001	0.001	0.545	-25.338
42017_2018	42017	2018	0.336	19.465	0.001	-0.001	-0.532	-92.765
42018_2018	42018	2018	-0.341	19.304	0.019	0.009	0.532	92.886
42018_2019	42018	2019	0.341	0.609	-0.019	-0.009	-0.765	23.967
42019_2019	42019	2019	-0.341	-0.609	0.019	-0.01	0.765	-23.967
42019_2020	42019	2020	0.341	20.519	-0.019	0.01	-1.002	-108.078
42020_2020	42020	2020	-0.382	21.054	0.005	-0.017	1.002	108.099
42020_2021	42020	2021	0.382	-5.914	-0.005	0.017	-1.048	20.068
42021_2021	42021	2021	-0.382	5.914	0.004	0.006	1.048	-20.068
42021_2022	42021	2022	0.382	6.423	-0.004	-0.006	-1.081	18.097
42022_2022	42022	2022	-0.382	-6.423	0.004	0.003	1.081	-18.097
42022_2023	42022	2023	0.382	18.777	-0.004	-0.003	-1.116	-79.627
42023_2023	42023	2023	-0.377	19.303	-0.116	-0.019	1.116	79.582
42023_2024	42023	2024	0.377	-6.566	0.116	0.019	-0.191	23.85
42024_2024	42024	2024	-0.377	6.566	-0.116	-0.019	0.191	-23.85
42024_2025	42024	2025	0.377	6.171	0.116	0.019	0.734	25.43
42025_2025	42025	2025	-0.377	-6.171	-0.116	0.009	-0.734	-25.43
42025_2026	42025	2026	0.377	18.926	0.116	-0.009	1.663	-75.05
42026_2026	42026	2026	-0.38	18.944	-0.014	-0.025	-1.663	74.861
42026_2027	42026	2027	0.38	-9.383	0.014	0.025	1.749	10.15
42027_2027	42027	2027	-0.381	9.383	-0.014	-0.04	-1.749	-10.15
42027_2028	42027	2028	0.381	0.16	0.014	0.04	1.831	37.78
42028_2028	42028	2028	-0.38	-0.16	-0.014	0.016	-1.831	-37.78
42028_2029	42028	2029	0.38	9.72	0.014	-0.016	1.917	8.128
42029_2029	42029	2029	-0.38	-9.72	-0.014	0.016	-1.917	-8.128
42029_2030	42029	2030	0.38	19.281	0.014	-0.016	2.003	-78.906
42030_2030	42030	2030	-0.382	18.499	0.071	-0.017	-2.003	78.846
42030_2031	42030	2031	0.382	-5.753	-0.071	0.017	1.438	18.185
42031_2031	42031	2031	-0.382	5.753	0.07	0.008	-1.438	-18.185
42031_2032	42031	2032	0.382	6.98	-0.07	-0.008	0.878	13.281
42032_2032	42032	2032	-0.382	-6.98	0.071	-0.01	-0.878	-13.281
42032_2033	42032	2033	0.382	19.726	-0.071	0.01	0.313	-93.569
42033_2033	42033	2033	-0.384	18.659	0.019	-0.004	-0.313	93.59
42033_2034	42033	2034	0.384	-6.306	-0.019	0.004	0.162	3.219
42034_2034	42034	2034	-0.384	6.306	0.02	-0.008	-0.162	-3.219
42034_2035	42034	2035	0.384	6.03	-0.02	0.008	0.008	4.289
42035_2035	42035	2035	-0.384	-6.03	0.02	-0.011	-0.008	-4.289
42035_2036	42035	2036	0.384	21.165	-0.02	0.011	-0.182	-124.91
42036_2036	42036	2036	-0.424	21.22	0.009	-0.009	0.182	124.93
42036_2037	42036	2037	0.424	-1.3	-0.009	0.009	-0.295	15.886
42037_2037	42037	2037	-0.424	1.3	0.009	-0.008	0.295	-15.886
42037_2038	42037	2038	0.424	18.604	-0.009	0.008	-0.408	-92.229
42038_2038	42038	2038	-0.428	13.108	-0.153	-0.017	0.408	92.256
42038_2039	42038	2039	0.428	7.983	0.153	0.017	1.619	-58.323
42039_2039	42039	2039	-0.029	2.044	-0.006	-0.013	-0.046	-17.16
42039_2040	42039	2040	0.029	16.327	0.006	0.013	0.115	-66.789
42040_2040	42040	2040	-0.028	19.68	0.019	-0.015	-0.115	66.906
42040_2041	42040	2041	0.028	-6.784	-0.019	0.015	-0.045	42.28
42041_2041	42041	2041	-0.028	6.784	0.019	-0.016	0.045	-42.28
42041_2042	42041	2042	0.028	18.474	-0.019	0.016	-0.359	-52.182
42042_2042	42042	2042	-0.028	19.334	-0.013	0.013	0.359	52.204
42042_2043	42042	2043	0.028	-0.625	0.013	-0.013	-0.205	67.26

42043_2043	42043	2043	-0.028	0.625	-0.013	-0.038	0.205	-67.26
42043_2044	42043	2044	0.028	18.067	0.013	0.038	-0.05	-37.048
42044_2044	42044	2044	-0.028	18.693	0.004	-0.005	0.05	37.19
42044_2045	42044	2045	0.028	0.016	-0.004	0.005	-0.097	74.597
42045_2045	42045	2045	-0.028	-0.016	0.004	-0.005	0.097	-74.597
42045_2046	42045	2046	0.028	18.726	-0.004	0.005	-0.144	-37.583
42046_2046	42046	2046	-0.028	18.379	0	0.003	0.144	37.36
42046_2047	42046	2047	0.028	0.323	0	-0.003	-0.145	70.674
42047_2047	42047	2047	-0.028	-0.323	0	0.003	0.145	-70.674
42047_2048	42047	2048	0.028	19.024	0	-0.003	-0.146	-45.079
42048_2048	42048	2048	-0.028	17.706	-0.006	-0.012	0.146	44.955
42048_2049	42048	2049	0.028	0.994	0.006	0.012	-0.076	55.026
42049_2049	42049	2049	-0.028	-0.994	-0.006	0.033	0.076	-55.026
42049_2050	42049	2050	0.028	19.696	0.006	-0.033	-0.005	-68.766
42050_2050	42050	2050	-0.027	18.254	0.013	0.017	0.005	68.577
42050_2051	42050	2051	0.027	6.976	-0.013	-0.017	-0.216	22.452
42051_2051	42051	2051	-0.027	-6.976	0.013	0.011	0.216	-22.452
42051_2052	42051	2052	0.027	19.857	-0.013	-0.011	-0.324	-88.125
42052_2052	42052	2052	-0.027	16.726	-0.021	0.014	0.324	88.205
42052_2053	42052	2053	0.027	1.639	0.021	-0.014	-0.079	0.436
42053_2053	42053	2053	-0.032	2.682	0	0.011	0.078	-3.007
42053_2054	42053	2054	0.032	17.395	0	-0.011	-0.08	-94.498
42054_2054	42054	2054	-0.028	18.387	0.034	0.013	0.08	94.358
42054_2055	42054	2055	0.028	0.544	-0.034	-0.013	-0.5	17.15
42055_2055	42055	2055	-0.028	-0.544	0.034	-0.001	0.5	-17.15
42055_2056	42055	2056	0.028	19.475	-0.034	0.001	-0.92	-107.955
42056_2056	42056	2056	-0.05	20.022	-0.029	0.01	0.92	107.976
42056_2057	42056	2057	0.05	-5.629	0.029	-0.01	-0.646	13.898
42057_2057	42057	2057	-0.05	5.629	-0.029	-0.008	0.646	-13.898
42057_2058	42057	2058	0.05	6.105	0.029	0.008	-0.423	12.054
42058_2058	42058	2058	-0.05	-6.105	-0.029	0.008	0.423	-12.054
42058_2059	42058	2059	0.05	17.841	0.029	-0.008	-0.2	-80.717
42059_2059	42059	2059	-0.05	18.52	-0.1	0	0.2	80.711
42059_2060	42059	2060	0.05	-6.394	0.1	0	0.603	19.018
42060_2060	42060	2060	-0.05	6.394	-0.1	0.002	-0.603	-19.018
42060_2061	42060	2061	0.05	5.716	0.1	-0.002	1.404	21.728
42061_2061	42061	2061	-0.05	-5.716	-0.1	0	-1.404	-21.728
42061_2062	42061	2062	0.05	17.842	0.1	0	2.207	-72.573
42062_2062	42062	2062	-0.051	18.15	0.003	-0.016	-2.207	72.478
42062_2063	42062	2063	0.051	-9.074	-0.003	0.016	2.19	9.086
42063_2063	42063	2063	-0.051	9.074	0.003	-0.032	-2.19	-9.086
42063_2064	42063	2064	0.051	0.016	-0.003	0.032	2.173	36.267
42064_2064	42064	2064	-0.051	-0.016	0.003	0.028	-2.173	-36.267
42064_2065	42064	2065	0.051	9.107	-0.003	-0.028	2.156	8.889
42065_2065	42065	2065	-0.051	-9.107	0.003	0.028	-2.156	-8.889
42065_2066	42065	2066	0.051	18.198	-0.003	-0.028	2.14	-73.055
42066_2066	42066	2066	-0.052	17.862	0.109	0.003	-2.14	72.883
42066_2067	42066	2067	0.052	-5.74	-0.109	-0.003	1.264	21.562
42067_2067	42067	2067	-0.052	5.74	0.109	0.005	-1.264	-21.562
42067_2068	42067	2068	0.052	6.367	-0.109	-0.005	0.39	19.053
42068_2068	42068	2068	-0.052	-6.367	0.109	0.004	-0.39	-19.053
42068_2069	42068	2069	0.052	18.49	-0.109	-0.004	-0.486	-80.416
42069_2069	42069	2069	-0.049	17.668	0.012	0.002	0.486	80.348
42069_2070	42069	2070	0.049	-5.925	-0.012	-0.002	-0.581	11.113
42070_2070	42070	2070	-0.049	5.925	0.012	0.002	0.581	-11.113

42070_2071	42070	2071	0.049	5.803	-0.012	-0.002	-0.675	11.584
42071_2071	42071	2071	-0.049	-5.803	0.012	-0.001	0.675	-11.584
42071_2072	42071	2072	0.049	20.202	-0.012	0.001	-0.791	-112.015
42072_2072	42072	2072	-0.01	20.212	0.016	-0.001	0.791	111.99
42072_2073	42072	2073	0.01	-1.283	-0.016	0.001	-0.992	22.324
42073_2073	42073	2073	-0.01	1.283	0.016	-0.001	0.992	-22.324
42073_2074	42073	2074	0.01	17.647	-0.016	0.001	-1.193	-79.931
42074_2074	42074	2074	-0.017	12.085	-0.256	-0.007	1.193	79.988
42074_2075	42074	2075	0.017	7.982	0.256	0.007	2.196	-52.807
42075_2075	42075	2075	0.003	2.732	-0.011	-0.007	0.131	-34.518
42075_2076	42075	2076	-0.003	14.685	0.011	0.007	-0.004	-35.745
42076_2076	42076	2076	0.004	17.409	0.015	-0.049	0.004	35.739
42076_2077	42076	2077	-0.004	-5.188	-0.015	0.049	-0.124	57.466
42077_2077	42077	2077	0.004	5.188	0.015	0.014	0.124	-57.466
42077_2078	42077	2078	-0.004	16.556	-0.015	-0.014	-0.337	-25.954
42078_2078	42078	2078	0.004	17.224	-0.013	-0.009	0.337	26.198
42078_2079	42078	2079	-0.004	-0.553	0.013	0.009	-0.19	73.823
42079_2079	42079	2079	0.004	0.553	-0.013	-0.006	0.19	-73.823
42079_2080	42079	2080	-0.004	16.103	0.013	0.006	-0.043	-13.594
42080_2080	42080	2080	0.004	16.376	0.001	-0.038	0.043	13.595
42080_2081	42080	2081	-0.004	0.291	-0.001	0.038	-0.057	76.884
42081_2081	42081	2081	0.004	-0.291	0.001	0.03	0.057	-76.884
42081_2082	42081	2082	-0.004	16.959	-0.001	-0.03	-0.071	-20.151
42082_2082	42082	2082	0.004	17.654	-0.001	-0.033	0.071	20.008
42082_2083	42082	2083	-0.004	0.244	0.001	0.033	-0.062	85.163
42083_2083	42083	2083	0.004	-0.244	-0.001	0.034	0.062	-85.163
42083_2084	42083	2084	-0.004	18.157	0.001	-0.034	-0.053	-26.083
42084_2084	42084	2084	0.004	16.458	-0.002	-0.024	0.053	26.075
42084_2085	42084	2085	-0.004	0.205	0.002	0.024	-0.034	65.334
42085_2085	42085	2085	0.004	-0.205	-0.002	0.036	0.034	-65.334
42085_2086	42085	2086	-0.004	16.855	0.002	-0.036	-0.015	-30.534
42086_2086	42086	2086	0.004	15.705	0.008	-0.013	0.015	30.777
42086_2087	42086	2087	-0.004	0.959	-0.008	0.013	-0.101	52.154
42087_2087	42087	2087	0.004	-0.959	0.008	0.034	0.101	-52.154
42087_2088	42087	2088	-0.004	17.624	-0.008	-0.034	-0.186	-52.36
42088_2088	42088	2088	0.004	15.55	-0.012	0.011	0.186	52.354
42088_2089	42088	2089	-0.004	5.381	0.012	-0.011	-0.019	19.479
42089_2089	42089	2089	0.004	-5.381	-0.012	0.01	0.019	-19.479
42089_2090	42089	2090	-0.004	17.595	0.012	-0.01	0.078	-75.237
42090_2090	42090	2090	0.004	15.283	0	0.009	-0.078	75.441
42090_2091	42090	2091	-0.004	2.134	0	-0.009	0.077	1.853
42091_2091	42091	2091	-0.004	1.981	0.029	0.009	-0.184	-4.422
42091_2092	42091	2092	0.004	17.35	-0.029	-0.009	-0.203	-97.379
42092_2092	42092	2092	0	17.906	-0.01	0.007	0.203	97.23
42092_2093	42092	2093	0	0.328	0.01	-0.007	-0.074	12.589
42093_2093	42093	2093	0	-0.328	-0.01	-0.003	0.074	-12.589
42093_2094	42093	2094	0	18.577	0.01	0.003	0.055	-105.617
42094_2094	42094	2094	0.029	19.238	-0.006	0.005	-0.055	105.588
42094_2095	42094	2095	-0.029	-5.369	0.006	-0.005	0.114	11.347
42095_2095	42095	2095	0.029	5.369	-0.006	-0.007	-0.114	-11.347
42095_2096	42095	2096	-0.029	5.93	0.006	0.007	0.162	9.174
42096_2096	42096	2096	0.029	-5.93	-0.006	0.004	-0.162	-9.174
42096_2097	42096	2097	-0.029	17.245	0.006	-0.004	0.21	-80.667
42097_2097	42097	2097	0.04	17.764	0.007	-0.003	-0.21	80.539
42097_2098	42097	2098	-0.04	-6.1	-0.007	0.003	0.152	14.829

42098_2098	42098	2098	0.04	6.1	0.007	-0.003	-0.152	-14.829
42098_2099	42098	2099	-0.04	5.578	-0.007	0.003	0.094	16.917
42099_2099	42099	2099	0.04	-5.578	0.007	-0.003	-0.094	-16.917
42099_2100	42099	2100	-0.04	17.256	-0.007	0.003	0.035	-74.452
42100_2100	42100	2100	0.039	17.451	-0.006	-0.001	-0.035	74.424
42100_2101	42100	2101	-0.039	-8.693	0.006	0.001	0.069	4.036
42101_2101	42101	2101	0.039	8.693	-0.006	-0.001	-0.069	-4.036
42101_2102	42101	2102	-0.039	0.052	0.006	0.001	0.104	29.925
42102_2102	42102	2102	0.039	-0.052	-0.006	-0.002	-0.104	-29.925
42102_2103	42102	2103	-0.039	8.81	0.006	0.002	0.138	3.33
42103_2103	42103	2103	0.039	-8.81	-0.006	-0.002	-0.138	-3.33
42103_2104	42103	2104	-0.039	17.569	0.006	0.002	0.172	-75.836
42104_2104	42104	2104	0.039	17.163	-0.005	0.013	-0.172	75.841
42104_2105	42104	2105	-0.039	-5.483	0.005	-0.013	0.215	14.784
42105_2105	42105	2105	0.039	5.483	-0.005	-0.005	-0.215	-14.784
42105_2106	42105	2106	-0.039	6.181	0.005	0.005	0.258	11.995
42106_2106	42106	2106	0.039	-6.181	-0.005	-0.006	-0.258	-11.995
42106_2107	42106	2107	-0.039	17.86	0.005	0.006	0.302	-84.21
42107_2107	42107	2107	0.037	17.058	0.001	-0.001	-0.302	84.238
42107_2108	42107	2108	-0.037	-5.744	-0.001	0.001	0.295	4.16
42108_2108	42108	2108	0.037	5.744	0.001	-0.006	-0.295	-4.16
42108_2109	42108	2109	-0.037	5.555	-0.001	0.006	0.289	4.89
42109_2109	42109	2109	0.037	-5.555	0.001	-0.001	-0.289	-4.89
42109_2110	42109	2110	-0.037	19.424	-0.001	0.001	0.282	-113.815
42110_2110	42110	2110	0.036	19.326	0.035	0.002	-0.282	113.819
42110_2111	42110	2111	-0.036	-1.094	-0.035	-0.002	-0.155	13.74
42111_2111	42111	2111	0.036	1.094	0.035	-0.009	0.155	-13.74
42111_2112	42111	2112	-0.036	17.152	-0.035	0.009	-0.592	-86.655
42112_2112	42112	2112	0.033	11.668	-0.143	-0.009	0.592	86.685
42112_2113	42112	2113	-0.033	7.673	0.143	0.009	1.304	-60.207
42113_2113	42113	2113	0.004	2.275	0.003	-0.011	0.235	-20.85
42113_2114	42113	2114	-0.004	14.823	-0.003	0.011	-0.265	-52.828
42114_2114	42114	2114	0.004	17.617	-0.007	-0.075	0.265	52.838
42114_2115	42114	2115	-0.004	-5.603	0.007	0.075	-0.205	42.963
42115_2115	42115	2115	0.004	5.603	-0.007	0.025	0.205	-42.963
42115_2116	42115	2116	-0.004	15.716	0.007	-0.025	-0.099	-31.08
42116_2116	42116	2116	0.004	17.099	-0.001	-0.041	0.099	30.91
42116_2117	42116	2117	-0.004	-0.731	0.001	0.041	-0.089	69.315
42117_2117	42117	2117	0.004	0.731	-0.001	0.021	0.089	-69.315
42117_2118	42117	2118	-0.004	15.637	0.001	-0.021	-0.079	-14.471
42118_2118	42118	2118	0.004	16.263	-0.002	0.029	0.079	14.471
42118_2119	42118	2119	-0.004	0.104	0.002	-0.029	-0.061	76.351
42119_2119	42119	2119	0.004	-0.104	-0.002	-0.04	0.061	-76.351
42119_2120	42119	2120	-0.004	16.485	0.002	0.04	-0.043	-16.974
42120_2120	42120	2120	0.005	17.459	-0.003	-0.001	0.043	16.78
42120_2121	42120	2121	-0.005	0.131	0.003	0.001	-0.004	87.893
42121_2121	42121	2121	0.005	-0.131	-0.003	-0.001	0.004	-87.893
42121_2122	42121	2122	-0.005	17.721	0.003	0.001	0.034	-19.945
42122_2122	42122	2122	0.005	16.218	-0.003	0.005	-0.034	19.945
42122_2123	42122	2123	-0.005	0.163	0.003	-0.005	0.067	70.369
42123_2123	42123	2123	0.005	-0.163	-0.003	0.005	-0.067	-70.369
42123_2124	42123	2124	-0.005	16.529	0.003	-0.005	0.1	-23.441
42124_2124	42124	2124	0.005	15.504	0.005	0.036	-0.1	23.453
42124_2125	42124	2125	-0.005	0.862	-0.005	-0.036	0.046	58.836
42125_2125	42125	2125	0.005	-0.862	0.005	-0.017	-0.046	-58.836

42125_2126	42125	2126	-0.005	17.243	-0.005	0.017	-0.009	-43.01
42126_2126	42126	2126	0.005	14.981	-0.024	0.021	0.009	42.831
42126_2127	42126	2127	-0.005	5.214	0.024	-0.021	0.321	24.903
42127_2127	42127	2127	0.005	-5.214	-0.024	-0.002	-0.321	-24.903
42127_2128	42127	2128	-0.005	17.24	0.024	0.002	0.518	-67.833
42128_2128	42128	2128	0.003	14.867	0.045	0.008	-0.518	67.675
42128_2129	42128	2129	-0.003	2.226	-0.045	-0.008	-0.01	6.532
42129_2129	42129	2129	-0.005	2.124	0.141	0.006	-0.452	-8.811
42129_2130	42129	2130	0.005	17.189	-0.141	-0.006	-1.416	-91.074
42130_2130	42130	2130	0.01	17.342	-0.203	0.005	1.416	90.964
42130_2131	42130	2131	-0.01	0.864	0.203	-0.005	1.122	12.019
42131_2131	42131	2131	0.01	-0.864	-0.203	-0.005	-1.122	-12.019
42131_2132	42131	2132	-0.01	19.056	0.203	0.005	3.657	-112.384
42132_2132	42132	2132	-2.2	18.365	0.279	-0.011	-3.657	87.075
42132_2133	42132	2133	2.2	-4.528	-0.279	0.011	1.01	21.669
42133_2133	42133	2133	-2.201	4.528	0.277	0.004	-1.01	-21.669
42133_2134	42133	2134	2.201	6.759	-0.277	-0.004	-1.137	13.024
42134_2134	42134	2134	-2.201	-6.759	0.277	0.004	1.137	-13.024
42134_2135	42134	2135	2.201	18.062	-0.277	-0.004	-3.287	-83.281
42135_2135	42135	2135	-2.197	18.148	-0.109	-0.008	3.287	83.444
42135_2136	42135	2136	2.197	-6.494	0.109	0.008	-2.417	15.14
42136_2136	42136	2136	-2.197	6.494	-0.111	0.011	2.417	-15.14
42136_2137	42136	2137	2.197	5.159	0.111	-0.011	-1.526	20.48
42137_2137	42137	2137	-2.197	-5.159	-0.109	-0.015	1.526	-20.48
42137_2138	42137	2138	2.197	16.813	0.109	0.015	-0.657	-67.423
42138_2138	42138	2138	-2.199	17.293	-0.011	-0.002	0.657	67.424
42138_2139	42138	2139	2.199	-8.553	0.011	0.002	-0.588	10.126
42139_2139	42139	2139	-2.199	8.553	-0.011	-0.002	0.588	-10.126
42139_2140	42139	2140	2.199	0.188	0.011	0.002	-0.519	35.225
42140_2140	42140	2140	-2.199	-0.188	-0.011	-0.002	0.519	-35.225
42140_2141	42140	2141	2.199	8.928	0.011	0.002	-0.45	7.874
42141_2141	42141	2141	-2.199	-8.928	-0.011	-0.002	0.45	-7.874
42141_2142	42141	2142	2.199	17.668	0.011	0.002	-0.381	-71.927
42142_2142	42142	2142	-2.199	17.015	-0.033	0.01	0.381	71.771
42142_2143	42142	2143	2.199	-5.376	0.033	-0.01	-0.115	17.697
42143_2143	42143	2143	-2.199	5.376	-0.031	-0.013	0.115	-17.697
42143_2144	42143	2144	2.199	6.278	0.031	0.013	0.129	14.091
42144_2144	42144	2144	-2.199	-6.278	-0.033	0.005	-0.129	-14.091
42144_2145	42144	2145	2.199	17.931	0.033	-0.005	0.395	-82.761
42145_2145	42145	2145	-2.204	17.059	-0.02	-0.005	-0.395	82.896
42145_2146	42145	2146	2.204	-5.77	0.02	0.005	0.547	5.58
42146_2146	42146	2146	-2.204	5.77	-0.02	-0.005	-0.547	-5.58
42146_2147	42146	2147	2.204	5.52	0.02	0.005	0.699	6.547
42147_2147	42147	2147	-2.204	-5.52	-0.022	0.001	-0.699	-6.547
42147_2148	42147	2148	2.204	19.359	0.022	-0.001	0.903	-111.648
42148_2148	42148	2148	-2.205	19.406	0.046	-0.012	-0.903	111.645
42148_2149	42148	2149	2.205	-1.197	-0.046	0.012	0.324	17.148
42149_2149	42149	2149	-2.205	1.197	0.045	0.002	-0.324	-17.148
42149_2150	42149	2150	2.205	16.997	-0.045	-0.002	-0.232	-81.536
42150_2150	42150	2150	-2.203	10.66	-0.066	-0.02	0.232	81.535
42150_2151	42150	2151	2.203	8.641	0.066	0.02	0.637	-68.153
42151_2151	42151	2151	-1.059	2.698	-0.005	-0.002	-0.077	-27.384
42151_2152	42151	2152	1.059	15.155	0.005	0.002	0.135	-45.812
42152_2152	42152	2152	-1.059	17.515	0	-0.013	-0.135	45.812
42152_2153	42152	2153	1.059	-4.979	0	0.013	0.132	46.991

42153_2153	42153	2153	-1.059	4.979	0	-0.012	-0.132	-46.991
42153_2154	42153	2154	1.059	15.897	0	0.012	0.127	-28.029
42154_2154	42154	2154	-1.059	17.328	0.001	-0.008	-0.127	28.029
42154_2155	42154	2155	1.059	-0.614	-0.001	0.008	0.115	70.668
42155_2155	42155	2155	-1.059	0.614	0.001	-0.008	-0.115	-70.668
42155_2156	42155	2156	1.059	16.099	-0.001	0.008	0.103	-14.515
42156_2156	42156	2156	-1.059	15.588	0.002	-0.033	-0.103	14.515
42156_2157	42156	2157	1.059	-0.379	-0.002	0.033	0.08	65.415
42157_2157	42157	2157	-1.059	0.379	0.001	0.031	-0.08	-65.415
42157_2158	42157	2158	1.059	14.846	-0.001	-0.031	0.067	-7.076
42158_2158	42158	2158	-1.06	14.41	0.003	0.006	-0.067	6.889
42158_2159	42158	2159	1.06	0.799	-0.003	-0.006	0.041	61.245
42159_2159	42159	2159	-1.06	-0.799	0.003	0.006	-0.041	-61.245
42159_2160	42159	2160	1.06	16.009	-0.003	-0.006	0.016	-22.891
42160_2160	42160	2160	-1.06	15.639	0.001	0.012	-0.016	23.079
42160_2161	42160	2161	1.06	1.075	-0.001	-0.012	0.001	57.035
42161_2161	42161	2161	-1.06	-1.075	0.001	0.012	-0.001	-57.035
42161_2162	42161	2162	1.06	17.789	-0.001	-0.012	-0.013	-46.732
42162_2162	42162	2162	-1.06	15.636	0.008	0.022	0.013	46.733
42162_2163	42162	2163	1.06	5.256	-0.008	-0.022	-0.127	24.644
42163_2163	42163	2163	-1.06	-5.256	0.009	0.004	0.127	-24.644
42163_2164	42163	2164	1.06	17.776	-0.009	-0.004	-0.202	-70.264
42164_2164	42164	2164	-1.06	15.548	-0.009	0.01	0.202	70.264
42164_2165	42164	2165	1.06	2.305	0.009	-0.01	-0.1	7.547
42165_2165	42165	2165	-1.291	2.37	0.01	0.01	0.082	-9.312
42165_2166	42165	2166	1.291	18.299	-0.01	-0.01	-0.211	-96.231
42166_2166	42166	2166	-1.29	18.973	-0.008	0.002	0.211	96.232
42166_2167	42166	2167	1.29	0.526	0.008	-0.002	-0.116	19.079
42167_2167	42167	2167	-1.29	-0.526	-0.008	0.002	0.116	-19.079
42167_2168	42167	2168	1.29	20.025	0.008	-0.002	-0.021	-109.391
42168_2168	42168	2168	-1.285	20.636	0.003	-0.009	0.021	109.28
42168_2169	42168	2169	1.285	-5.832	-0.003	0.009	-0.051	16.329
42169_2169	42169	2169	-1.285	5.832	0.003	-0.007	0.051	-16.329
42169_2170	42169	2170	1.285	6.257	-0.003	0.007	-0.074	14.68
42170_2170	42170	2170	-1.285	-6.257	0.001	0.012	0.074	-14.68
42170_2171	42170	2171	1.285	18.347	-0.001	-0.012	-0.084	-80.68
42171_2171	42171	2171	-1.287	19.124	-0.003	-0.012	0.084	80.824
42171_2172	42171	2172	1.287	-6.645	0.003	0.012	-0.058	22.27
42172_2172	42172	2172	-1.287	6.645	-0.005	0.016	0.058	-22.27
42172_2173	42172	2173	1.287	5.834	0.005	-0.016	-0.019	25.513
42173_2173	42173	2173	-1.287	-5.834	-0.003	-0.016	0.019	-25.513
42173_2174	42173	2174	1.287	18.314	0.003	0.016	0.007	-71.094
42174_2174	42174	2174	-1.288	18.67	-0.001	0	-0.007	70.931
42174_2175	42174	2175	1.288	-9.31	0.001	0	0.013	13.023
42175_2175	42175	2175	-1.288	9.31	-0.001	0	-0.013	-13.023
42175_2176	42175	2176	1.288	0.034	0.001	0	0.018	40.81
42176_2176	42176	2176	-1.288	-0.034	-0.001	-0.001	-0.018	-40.81
42176_2177	42176	2177	1.288	9.393	0.001	0.001	0.024	12.524
42177_2177	42177	2177	-1.288	-9.393	-0.001	-0.001	-0.024	-12.524
42177_2178	42177	2178	1.288	18.753	0.001	0.001	0.029	-71.929
42178_2178	42178	2178	-1.288	18.303	0.002	0.014	-0.029	72.093
42178_2179	42178	2179	1.288	-5.823	-0.002	-0.014	0.01	24.429
42179_2179	42179	2179	-1.288	5.823	0.004	-0.017	-0.01	-24.429
42179_2180	42179	2180	1.288	6.656	-0.004	0.017	-0.021	21.098
42180_2180	42180	2180	-1.288	-6.656	0.002	0.01	0.021	-21.098

42180_2181	42180	2181	1.288	19.135	-0.002	-0.01	-0.04	-82.086
42181_2181	42181	2181	-1.287	18.17	-0.005	-0.005	0.04	82.085
42181_2182	42181	2182	1.287	-6.08	0.005	0.005	-0.003	11.898
42182_2182	42182	2182	-1.287	6.08	-0.005	-0.005	0.003	-11.898
42182_2183	42182	2183	1.287	6.009	0.005	0.005	0.034	12.173
42183_2183	42183	2183	-1.287	-6.009	-0.006	0.006	-0.034	-12.173
42183_2184	42183	2184	1.287	20.813	0.006	-0.006	0.09	-115.122
42184_2184	42184	2184	-1.298	20.748	0	-0.015	-0.09	115.223
42184_2185	42184	2185	1.298	-1.249	0	0.015	0.084	22.276
42185_2185	42185	2185	-1.298	1.249	-0.001	0.003	-0.084	-22.276
42185_2186	42185	2186	1.298	18.25	0.001	-0.003	0.092	-84.002
42186_2186	42186	2186	-1.298	12.899	0.001	-0.027	-0.092	84.001
42186_2187	42186	2187	1.298	7.77	-0.001	0.027	0.086	-50.017
42187_2187	42187	2187	-0.723	3.185	0	0.001	0.002	-39.174
42187_2188	42187	2188	0.723	15.934	0	-0.001	-0.004	-35.74
42188_2188	42188	2188	-0.723	18.301	-0.003	-0.013	0.004	35.74
42188_2189	42188	2189	0.723	-4.894	0.003	0.013	0.016	59.84
42189_2189	42189	2189	-0.723	4.894	-0.002	-0.014	-0.016	-59.84
42189_2190	42189	2190	0.723	17.479	0.002	0.014	0.051	-26.699
42190_2190	42190	2190	-0.723	18.393	0	-0.009	-0.051	26.699
42190_2191	42190	2191	0.723	-0.494	0	0.009	0.048	77.194
42191_2191	42191	2191	-0.723	0.494	0	-0.009	-0.048	-77.194
42191_2192	42191	2192	0.723	17.404	0	0.009	0.045	-15.829
42192_2192	42192	2192	-0.723	16.65	0.002	0.032	-0.045	15.83
42192_2193	42192	2193	0.723	-0.232	-0.002	-0.032	0.028	69.35
42193_2193	42193	2193	-0.723	0.232	0.002	-0.037	-0.028	-69.35
42193_2194	42193	2194	0.723	16.186	-0.002	0.037	0.004	-11.154
42194_2194	42194	2194	-0.723	15.51	0	-0.027	-0.004	11.154
42194_2195	42194	2195	0.723	0.907	0	0.027	-0.001	62.53
42195_2195	42195	2195	-0.723	-0.907	0	0.035	0.001	-62.53
42195_2196	42195	2196	0.723	17.325	0	-0.035	0.001	-29.471
42196_2196	42196	2196	-0.723	16.746	0.001	0.01	-0.001	29.469
42196_2197	42196	2197	0.723	1.152	-0.001	-0.01	-0.01	56.311
42197_2197	42197	2197	-0.723	-1.152	0.001	0.011	0.01	-56.311
42197_2198	42197	2198	0.723	19.035	-0.001	-0.011	-0.02	-54.634
42198_2198	42198	2198	-0.723	16.837	0.004	0.013	0.02	54.634
42198_2199	42198	2199	0.723	5.536	-0.004	-0.013	-0.079	23.069
42199_2199	42199	2199	-0.723	-5.536	0.004	0.013	0.079	-23.069
42199_2200	42199	2200	0.723	18.96	-0.004	-0.013	-0.114	-77.997
42200_2200	42200	2200	-0.723	16.809	0	0.013	0.114	77.998
42200_2201	42200	2201	0.723	2.31	0	-0.013	-0.109	7.204
42201_2201	42201	2201	-0.926	2.609	0.014	0.005	0.217	-11.364
42201_2202	42201	2202	0.926	19.777	-0.014	-0.005	-0.401	-102.309
42202_2202	42202	2202	-0.925	20.513	-0.011	0.01	0.401	102.311
42202_2203	42202	2203	0.925	0.621	0.011	-0.01	-0.263	22.036
42203_2203	42203	2203	-0.925	-0.621	-0.01	-0.008	0.263	-22.036
42203_2204	42203	2204	0.925	21.755	0.01	0.008	-0.134	-117.839
42204_2204	42204	2204	-0.926	22.351	0.014	0.01	0.134	117.842
42204_2205	42204	2205	0.926	-6.289	-0.014	-0.01	-0.266	18.223
42205_2205	42205	2205	-0.926	6.289	0.015	-0.006	0.266	-18.223
42205_2206	42205	2206	0.926	6.814	-0.015	0.006	-0.38	16.187
42206_2206	42206	2206	-0.926	-6.814	0.015	-0.006	0.38	-16.187
42206_2207	42206	2207	0.926	19.901	-0.015	0.006	-0.493	-87.216
42207_2207	42207	2207	-0.933	20.589	-0.052	0.005	0.493	87.365
42207_2208	42207	2208	0.933	-7.063	0.052	-0.005	-0.08	23.264

42208_2208	42208	2208	-0.933	7.063	-0.05	-0.024	0.08	-23.264
42208_2209	42208	2209	0.933	6.463	0.05	0.024	0.324	25.666
42209_2209	42209	2209	-0.933	-6.463	-0.052	0.008	-0.324	-25.666
42209_2210	42209	2210	0.933	19.989	0.052	-0.008	0.737	-80.158
42210_2210	42210	2210	-0.934	20.227	-0.013	-0.001	-0.737	80.158
42210_2211	42210	2211	0.934	-10.083	0.013	0.001	0.814	10.789
42211_2211	42211	2211	-0.934	10.083	-0.013	-0.001	-0.814	-10.789
42211_2212	42211	2212	0.934	0.062	0.013	0.001	0.89	40.858
42212_2212	42212	2212	-0.934	-0.062	-0.013	-0.001	-0.89	-40.858
42212_2213	42212	2213	0.934	10.206	0.013	0.001	0.967	10.05
42213_2213	42213	2213	-0.934	-10.206	-0.013	-0.001	-0.967	-10.05
42213_2214	42213	2214	0.934	20.351	0.013	0.001	1.044	-81.635
42214_2214	42214	2214	-0.94	19.958	0.048	-0.008	-1.044	81.448
42214_2215	42214	2215	0.94	-6.432	-0.048	0.008	0.659	24.129
42215_2215	42215	2215	-0.94	6.432	0.048	-0.008	-0.659	-24.129
42215_2216	42215	2216	0.94	7.077	-0.048	0.008	0.275	21.554
42216_2216	42216	2216	-0.94	-7.077	0.047	0.019	-0.275	-21.554
42216_2217	42216	2217	0.94	20.603	-0.047	-0.019	-0.101	-89.183
42217_2217	42217	2217	-0.945	19.646	-0.025	-0.013	0.101	89.331
42217_2218	42217	2218	0.945	-6.543	0.025	0.013	0.094	12.169
42218_2218	42218	2218	-0.945	6.543	-0.026	0.003	-0.094	-12.169
42218_2219	42218	2219	0.945	6.56	0.026	-0.003	0.298	12.106
42219_2219	42219	2219	-0.945	-6.56	-0.026	0.001	-0.298	-12.106
42219_2220	42219	2220	0.945	22.622	0.026	-0.001	0.547	-126.529
42220_2220	42220	2220	-0.912	22.566	0.102	0.007	-0.547	126.449
42220_2221	42220	2221	0.912	-1.452	-0.102	-0.007	-0.727	23.548
42221_2221	42221	2221	-0.912	1.452	0.103	-0.012	0.727	-23.548
42221_2222	42221	2222	0.912	19.679	-0.103	0.012	-2.012	-90.375
42222_2222	42222	2222	-0.91	14.549	-0.492	0.001	2.012	90.513
42222_2223	42222	2223	0.91	7.851	0.492	-0.001	4.51	-46.138
42223_2223	42223	2223	-0.12	2.741	-0.005	-0.02	-0.072	-31.109
42223_2224	42223	2224	0.12	17.962	0.005	0.02	0.126	-58.315
42224_2224	42224	2224	-0.12	21.527	0.016	-0.024	-0.126	58.49
42224_2225	42224	2225	0.12	-6.99	-0.016	0.024	-0.004	59.145
42225_2225	42225	2225	-0.12	6.99	0.016	0.002	0.004	-59.145
42225_2226	42225	2226	0.12	21.52	-0.016	-0.002	-0.26	-58.405
42226_2226	42226	2226	-0.119	21.908	-0.004	0.221	0.26	58.136
42226_2227	42226	2227	0.119	-0.393	0.004	-0.221	-0.205	78.016
42227_2227	42227	2227	-0.119	0.393	-0.004	-0.226	0.205	-78.016
42227_2228	42227	2228	0.119	21.122	0.004	0.226	-0.158	-48.548
42228_2228	42228	2228	-0.12	21.31	0.014	0.036	0.158	48.686
42228_2229	42228	2229	0.12	0.209	-0.014	-0.036	-0.333	80.167
42229_2229	42229	2229	-0.12	-0.209	0.014	-0.03	0.333	-80.167
42229_2230	42229	2230	0.12	21.727	-0.014	0.03	-0.508	-53.785
42230_2230	42230	2230	-0.119	21.05	-0.006	0.358	0.508	53.997
42230_2231	42230	2231	0.119	0.627	0.006	-0.358	-0.435	71.636
42231_2231	42231	2231	-0.12	-0.627	-0.005	-0.342	0.435	-71.636
42231_2232	42231	2232	0.12	22.292	0.005	0.342	-0.376	-69.264
42232_2232	42232	2232	-0.121	21.466	0.015	0.028	0.376	69.143
42232_2233	42232	2233	0.121	3.182	-0.015	-0.028	-0.582	58.74
42233_2233	42233	2233	-0.121	-3.182	0.015	-0.017	0.582	-58.74
42233_2234	42233	2234	0.121	21.395	-0.015	0.017	-0.735	-68.278
42234_2234	42234	2234	-0.118	16.991	-0.051	0.076	0.735	68.286
42234_2235	42234	2235	0.118	3.108	0.051	-0.076	-0.148	10.895
42235_2235	42235	2235	-0.076	0.061	-0.305	-0.094	2.529	-14.165

42235_2236	42235	2236	0.076	18.519	0.305	0.094	0.493	-77.41
42236_2236	42236	2236	-0.101	18.962	0.187	-0.013	-0.493	77.562
42236_2237	42236	2237	0.101	0.687	-0.187	0.013	-1.468	18.318
42237_2237	42237	2237	-0.101	-0.687	0.187	-0.001	1.468	-18.318
42237_2238	42237	2238	0.101	20.991	-0.187	0.001	-3.494	-99.206
42238_2238	42238	2238	-0.066	23.168	-0.174	0.135	3.494	99.181
42238_2239	42238	2239	0.066	-3.538	0.174	-0.135	-1.667	40.797
42239_2239	42239	2239	-0.067	3.538	-0.174	-0.113	1.667	-40.797
42239_2240	42239	2240	0.067	22.7	0.174	0.113	0.768	-93.448
42240_2240	42240	2240	-0.102	20.781	-0.036	-0.012	-0.768	93.534
42240_2241	42240	2241	0.102	-3.235	0.036	0.012	1.11	18.979
42241_2241	42241	2241	-0.102	3.235	-0.037	0.002	-1.11	-18.979
42241_2242	42241	2242	0.102	15.961	0.037	-0.002	1.484	-46.25
42242_2242	42242	2242	-0.098	17.749	-0.072	0.006	-1.484	46.33
42242_2243	42242	2243	0.098	0.696	0.072	-0.006	2.19	37.655
42243_2243	42243	2243	-0.098	-0.696	-0.072	-0.011	-2.19	-37.655
42243_2244	42243	2244	0.098	19.011	0.072	0.011	2.89	-58.714
42244_2244	42244	2244	-0.103	19.06	0.016	0.116	-2.89	58.749
42244_2245	42244	2245	0.103	-1.955	-0.016	-0.116	2.742	37.23
42245_2245	42245	2245	-0.103	1.955	0.017	-0.101	-2.742	-37.23
42245_2246	42245	2246	0.103	17.675	-0.017	0.101	2.566	-45.17
42246_2246	42246	2246	-0.1	16.066	-0.027	0.005	-2.566	45.168
42246_2247	42246	2247	0.1	3.187	0.027	-0.005	2.842	21.044
42247_2247	42247	2247	-0.1	-3.187	-0.027	-0.003	-2.842	-21.044
42247_2248	42247	2248	0.1	20.694	0.027	0.003	3.093	-90.595
42248_2248	42248	2248	-0.15	22.298	0.264	0.291	-3.093	90.273
42248_2249	42248	2249	0.15	1.577	-0.264	-0.291	-0.274	41.821
42249_2249	42249	2249	-0.147	-1.577	0.266	-0.316	0.274	-41.821
42249_2250	42249	2250	0.147	23.564	-0.266	0.316	-3.401	-105.782
42250_2250	42250	2250	-0.15	21.483	-0.12	-0.007	3.401	105.799
42250_2251	42250	2251	0.15	4.586	0.12	0.007	-1.731	11.817
42251_2251	42251	2251	-0.15	-4.586	-0.12	0.001	1.731	-11.817
42251_2252	42251	2252	0.15	19.012	0.12	-0.001	-0.807	-79.08
42252_2252	42252	2252	-0.164	17.42	0.013	-0.005	0.807	78.996
42252_2253	42252	2253	0.164	1.502	-0.013	0.005	-0.938	1.43
42253_2253	42253	2253	-0.164	-1.502	0.014	-0.013	0.938	-1.43
42253_2254	42253	2254	0.164	24.312	-0.014	0.013	-1.109	-155.791
42254_2254	42254	2254	0.03	22.616	-0.103	-0.032	1.696	46.006
42254_2255	42254	2255	-0.03	-4.803	0.103	0.032	-0.767	77.564
42255_2255	42255	2255	0.03	4.803	-0.103	0.031	0.767	-77.564
42255_2256	42255	2256	-0.03	24.498	0.103	-0.031	0.762	-68.443
42256_2256	42256	2256	0.026	23.923	0.064	0.261	-0.762	68.489
42256_2257	42256	2257	-0.026	-1.815	-0.064	-0.261	0.048	75.468
42257_2257	42257	2257	0.027	1.815	0.064	-0.23	-0.048	-75.468
42257_2258	42257	2258	-0.027	21.623	-0.064	0.23	-0.708	-41.988
42258_2258	42258	2258	0.028	22.68	-0.002	-0.003	0.708	42.2
42258_2259	42258	2259	-0.028	0.237	0.002	0.003	-0.68	87.922
42259_2259	42259	2259	0.028	-0.237	-0.002	0.028	0.68	-87.922
42259_2260	42259	2260	-0.028	22.894	0.002	-0.028	-0.652	-44.674
42260_2260	42260	2260	0.028	22.26	0.006	0.541	0.652	44.588
42260_2261	42260	2261	-0.028	0.755	-0.006	-0.541	-0.723	80.627
42261_2261	42261	2261	0.028	-0.755	0.006	-0.524	0.723	-80.627
42261_2262	42261	2262	-0.028	23.291	-0.006	0.524	-0.788	-56.475
42262_2262	42262	2262	0.028	23.3	0.024	-0.005	0.788	56.381
42262_2263	42262	2263	-0.028	1.648	-0.024	0.005	-1.096	80.282

42263_2263	42263	2263	0.028	-1.648	0.024	0.03	1.096	-80.282
42263_2264	42263	2264	-0.028	24.899	-0.024	-0.03	-1.384	-75.883
42264_2264	42264	2264	0.02	23.309	-0.029	0.179	1.384	76.141
42264_2265	42264	2265	-0.02	1.946	0.029	-0.179	-1.008	60.356
42265_2265	42265	2265	0.02	-1.946	-0.03	-0.191	1.008	-60.356
42265_2266	42265	2266	-0.02	25.225	0.03	0.191	-0.659	-99.665
42266_2266	42266	2266	0.015	22.179	0.024	0.011	0.659	99.545
42266_2267	42266	2267	-0.015	-1.6	-0.024	-0.011	-0.907	24.262
42267_2267	42267	2267	0.054	6.839	5.2	-9.587	-47.852	124.411
42267_2268	42267	2268	-0.054	11.787	-5.2	9.587	-1.154	-147.729
42268_2268	42268	2268	0.021	24.546	-0.074	-0.006	1.154	147.659
42268_2269	42268	2269	-0.021	-2.319	0.074	0.006	-0.337	1.05
42269_2269	42269	2269	0.02	2.319	-0.074	-0.021	0.337	-1.049
42269_2270	42269	2270	-0.02	24.252	0.074	0.021	0.644	-144.084
42270_2270	42270	2270	0.037	30.401	0.026	-0.022	-0.644	144.188
42270_2271	42270	2271	-0.037	-6.959	-0.026	0.022	0.336	73.918
42271_2271	42271	2271	0.037	6.959	0.026	-0.022	-0.336	-73.918
42271_2272	42271	2272	-0.037	18.578	-0.026	0.022	0	0.024
42372_2372	42372	2372	0.107	14.092	-0.136	-0.041	0	-0.033
42372_2373	42372	2373	-0.107	4.367	0.136	0.041	1.685	60.108
42373_2373	42373	2373	0.108	-4.367	-0.136	0.016	-1.685	-60.108
42373_2374	42373	2374	-0.108	22.412	0.136	-0.016	3.332	-101.603
42374_2374	42374	2374	0.085	19.151	0.1	-0.008	-3.332	100.991
42374_2375	42374	2375	-0.085	-0.906	-0.1	0.008	2.106	21.464
42375_2375	42375	2375	0.085	0.906	0.1	0.001	-2.106	-21.464
42375_2376	42375	2376	-0.085	15	-0.1	-0.001	1.036	-53.557
42376_2376	42376	2376	0.085	15.31	0.138	0.16	-1.036	53.478
42376_2377	42376	2377	-0.085	1.461	-0.138	-0.16	-0.517	24.24
42377_2377	42377	2377	0.087	-1.461	0.137	-0.173	0.517	-24.239
42377_2378	42377	2378	-0.087	17.271	-0.137	0.173	-1.97	-74.86
42378_2378	42378	2378	0.091	18.145	-0.046	0.007	1.97	74.847
42378_2379	42378	2379	-0.091	1.26	0.046	-0.007	-1.367	34.796
42379_2379	42379	2379	0.091	-1.26	-0.046	-0.021	1.367	-34.796
42379_2380	42379	2380	-0.091	18.08	0.046	0.021	-0.843	-74.061
42380_2380	42380	2380	0.091	15.431	-0.088	0.005	0.843	74.095
42380_2381	42380	2381	-0.091	1.005	0.088	-0.005	0.121	5.249
42381_2381	42381	2381	0.091	-1.005	-0.088	-0.033	-0.121	-5.249
42381_2382	42381	2382	-0.091	15.713	0.088	0.033	0.991	-77.03
42382_2382	42382	2382	0.125	16.892	0.035	-0.023	-0.991	76.637
42382_2383	42382	2383	-0.125	1.754	-0.035	0.023	0.556	17.819
42383_2383	42383	2383	0.125	-1.754	0.035	-0.014	-0.556	-17.819
42383_2384	42383	2384	-0.125	18.49	-0.035	0.014	0.165	-95.561
42384_2384	42384	2384	0.085	16.333	-0.001	-0.037	0.004	48.702
42384_2385	42384	2385	-0.085	-0.172	0.001	0.037	0.001	41.307
42385_2385	42385	2385	0.085	0.172	0	0.007	-0.001	-41.307
42385_2386	42385	2386	-0.085	17.651	0	-0.007	0.007	-63.817
42386_2386	42386	2386	0.084	18.712	-0.003	0.245	-0.007	63.71
42386_2387	42386	2387	-0.084	-0.375	0.003	-0.245	0.04	54.388
42387_2387	42387	2387	0.084	0.375	-0.003	-0.259	-0.04	-54.388
42387_2388	42387	2388	-0.084	17.483	0.003	0.259	0.081	-48.702
42388_2388	42388	2388	0.084	18.535	0.006	-0.028	-0.081	48.772
42388_2389	42388	2389	-0.084	0.815	-0.006	0.028	0.009	66.928
42389_2389	42389	2389	0.084	-0.815	0.006	0.046	-0.009	-66.928
42389_2390	42389	2390	-0.084	17.652	-0.006	-0.046	-0.055	-37.987
42390_2390	42390	2390	0.084	18.334	0	0.313	0.055	38.011

42390_2391	42390	2391	-0.084	1.499	0	-0.313	-0.052	74.65
42391_2391	42391	2391	0.084	-1.499	-0.001	-0.346	0.052	-74.65
42391_2392	42391	2392	-0.084	17.866	0.001	0.346	-0.041	-32.294
42392_2392	42392	2392	0.083	18.035	0.001	0.013	0.041	31.986
42392_2393	42392	2393	-0.083	1.077	-0.001	-0.013	-0.056	77.38
42393_2393	42393	2393	0.083	-1.077	0.001	0.031	0.056	-77.38
42393_2394	42393	2394	-0.083	18.144	-0.001	-0.031	-0.069	-33.317
42394_2394	42394	2394	0.081	18.061	0.01	0.423	0.069	33.641
42394_2395	42394	2395	-0.081	-0.473	-0.01	-0.423	-0.183	76.359
42395_2395	42395	2395	0.081	0.473	0.009	-0.35	0.183	-76.359
42395_2396	42395	2396	-0.081	18.14	-0.009	0.35	-0.294	-34.6
42396_2396	42396	2396	0.08	17.212	-0.043	0.037	0.294	34.429
42396_2397	42396	2397	-0.08	0.775	0.043	-0.037	0.222	65.338
42397_2397	42397	2397	0.08	-0.775	-0.043	0.018	-0.222	-65.338
42397_2398	42397	2398	-0.08	18.979	0.043	-0.018	0.745	-56.002
42398_2398	42398	2398	0.081	19.209	0.173	0.19	-0.745	55.986
42398_2399	42398	2399	-0.081	-0.282	-0.173	-0.19	-1.459	68.499
42399_2399	42399	2399	0.081	0.282	0.172	-0.139	1.459	-68.499
42399_2400	42399	2400	-0.081	18.594	-0.172	0.139	-3.653	-48.134
42400_2400	42400	2400	0.08	14.158	-0.249	0.03	3.653	48.229
42400_2401	42400	2401	-0.08	7.586	0.249	-0.03	0	-0.01
42572_2572	42572	2572	-0.026	14.195	-0.153	-0.017	0	-0.002
42572_2573	42572	2573	0.026	4.283	0.153	0.017	1.896	61.293
42573_2573	42573	2573	-0.026	-4.283	-0.153	-0.002	-1.896	-61.293
42573_2574	42573	2574	0.026	22.2	0.153	0.002	3.734	-97.482
42574_2574	42574	2574	-0.005	18.878	0.148	-0.002	-3.734	97.953
42574_2575	42574	2575	0.005	-0.915	-0.148	0.002	1.949	21.019
42575_2575	42575	2575	-0.005	0.915	0.148	-0.01	-1.949	-21.019
42575_2576	42575	2576	0.005	14.832	-0.148	0.01	0.385	-52.319
42576_2576	42576	2576	-0.002	15.328	0.089	0.163	-0.385	52.149
42576_2577	42576	2577	0.002	1.495	-0.089	-0.163	-0.619	25.725
42577_2577	42577	2577	-0.001	-1.495	0.089	-0.176	0.619	-25.725
42577_2578	42577	2578	0.001	17.568	-0.089	0.176	-1.579	-76.805
42578_2578	42578	2578	-0.009	18.072	-0.026	-0.021	1.579	76.816
42578_2579	42578	2579	0.009	1.145	0.026	0.021	-1.248	32.03
42579_2579	42579	2579	-0.009	-1.145	-0.026	0.01	1.248	-32.03
42579_2580	42579	2580	0.009	18.045	0.026	-0.01	-0.957	-76.492
42580_2580	42580	2580	-0.009	15.496	-0.102	-0.005	0.957	76.715
42580_2581	42580	2581	0.009	0.891	0.102	0.005	0.167	3.37
42581_2581	42581	2581	-0.01	-0.891	-0.102	-0.025	-0.167	-3.37
42581_2582	42581	2582	0.01	15.542	0.102	0.025	1.172	-77.199
42582_2582	42582	2582	-0.037	16.976	0.051	-0.016	-1.172	77.492
42582_2583	42582	2583	0.037	1.448	-0.051	0.016	0.539	18.24
42583_2583	42583	2583	-0.037	-1.448	0.051	-0.009	-0.539	-18.24
42583_2584	42583	2584	0.037	18.252	-0.051	0.009	-0.037	-92.537
42584_2584	42584	2584	-0.033	16.327	-0.001	-0.017	0.06	46.828
42584_2585	42584	2585	0.033	-0.221	0.001	0.017	-0.054	43.109
42585_2585	42585	2585	-0.033	0.221	-0.001	0	0.054	-43.109
42585_2586	42585	2586	0.033	17.551	0.001	0	-0.046	-60.811
42586_2586	42586	2586	-0.029	18.696	-0.006	0.273	0.046	61.139
42586_2587	42586	2587	0.029	-0.565	0.006	-0.273	0.023	56.696
42587_2587	42587	2587	-0.029	0.565	-0.005	-0.279	-0.023	-56.696
42587_2588	42587	2588	0.029	17.393	0.005	0.279	0.088	-45.277
42588_2588	42588	2588	-0.029	18.46	0.006	0.027	-0.088	45.362
42588_2589	42588	2589	0.029	0.727	-0.006	-0.027	0.009	69.449

42589_2589	42589	2589	-0.029	-0.727	0.006	-0.015	-0.009	-69.449
42589_2590	42589	2590	0.029	17.621	-0.006	0.015	-0.061	-35.147
42590_2590	42590	2590	-0.029	18.289	-0.001	0.289	0.061	35.074
42590_2591	42590	2591	0.029	1.432	0.001	-0.289	-0.051	77.102
42591_2591	42591	2591	-0.029	-1.432	-0.001	-0.314	0.051	-77.102
42591_2592	42591	2592	0.029	17.787	0.001	0.314	-0.045	-28.967
42592_2592	42592	2592	-0.028	17.914	0.004	0.046	0.045	29.489
42592_2593	42592	2593	0.028	0.961	-0.004	-0.046	-0.101	78.487
42593_2593	42593	2593	-0.028	-0.961	0.004	-0.006	0.101	-78.487
42593_2594	42593	2594	0.028	18.175	-0.004	0.006	-0.152	-32.67
42594_2594	42594	2594	-0.025	17.99	-0.008	0.48	0.152	31.987
42594_2595	42594	2595	0.025	-0.413	0.008	-0.48	-0.056	77.162
42595_2595	42595	2595	-0.025	0.413	-0.008	-0.407	0.056	-77.163
42595_2596	42595	2596	0.025	18.089	0.008	0.407	0.042	-33.198
42596_2596	42596	2596	-0.025	17.028	0.026	0.036	-0.042	33.176
42596_2597	42596	2597	0.025	0.935	-0.026	-0.036	-0.278	64.365
42597_2597	42597	2597	-0.025	-0.935	0.026	0.016	0.278	-64.365
42597_2598	42597	2598	0.025	19.053	-0.026	-0.016	-0.601	-57.83
42598_2598	42598	2598	-0.025	19.344	-0.072	0.214	0.601	57.552
42598_2599	42598	2599	0.025	-0.474	0.072	-0.214	0.314	68.641
42599_2599	42599	2599	-0.025	0.474	-0.072	-0.169	-0.314	-68.642
42599_2600	42599	2600	0.025	18.348	0.072	0.169	1.225	-44.88
42600_2600	42600	2600	-0.023	12.356	0.108	0.013	-1.225	44.677
42600_2601	42600	2601	0.023	4.525	-0.108	-0.013	0	-0.069
43000_3000	43000	3000	4.029	442.563	-1.228	2.035	0	22.257
43000_3001	43000	3001	-4.029	-399.065	1.228	-2.035	18.315	6254.898
43001_3001	43001	3001	4.027	399.065	-1.233	-5.337	-18.315	-6254.9
43001_3002	43001	3002	-4.027	-368.748	1.233	5.337	31.13	10246.26
43002_3002	43002	3002	4.056	315.23	2.228	10.622	-31.13	-10246.4
43002_3003	43002	3003	-4.056	-279.769	-2.228	-10.622	4.031	13864.18
43003_3003	43003	3003	4.06	279.769	2.221	-13.439	-4.031	-13864.2
43003_3004	43003	3004	-4.06	-244.287	-2.221	13.439	-22.998	17052.5
43004_3004	43004	3004	4.042	204.373	0.18	7.61	22.998	-17052.8
43004_3005	43004	3005	-4.042	-168.898	-0.18	-7.61	-25.186	19323.33
43005_3005	43005	3005	4.043	168.898	0.176	-10.121	25.186	-19323.3
43005_3006	43005	3006	-4.043	-133.398	-0.176	10.121	-27.33	21163.41
43006_3006	43006	3006	4.041	93.485	-0.049	18.381	27.33	-21163.7
43006_3007	43006	3007	-4.041	-58.017	0.049	-18.381	-26.729	22085.08
43007_3007	43007	3007	4.041	58.017	-0.056	-19.873	26.729	-22085.1
43007_3008	43007	3008	-4.041	-22.528	0.056	19.873	-26.042	22575.2
43008_3008	43008	3008	4.046	-16.77	0.574	8.712	26.042	-22575.9
43008_3009	43008	3009	-4.046	52.252	-0.574	-8.712	-33.03	22155.95
43009_3009	43009	3009	4.047	-52.252	0.571	-9.367	33.03	-22155.9
43009_3010	43009	3010	-4.047	87.731	-0.571	9.367	-39.976	21304.38
43010_3010	43010	3010	4.04	-127.817	-0.227	16.214	39.976	-21304.7
43010_3011	43010	3011	-4.04	163.293	0.227	-16.214	-37.21	19534
43011_3011	43011	3011	4.04	-163.293	-0.234	-15.68	37.21	-19534
43011_3012	43011	3012	-4.04	198.761	0.234	15.68	-34.364	17332.13
43012_3012	43012	3012	4.043	-238.32	0.126	6.341	34.364	-17332.5
43012_3013	43012	3013	-4.043	273.81	-0.126	-6.341	-35.897	14215.99
43013_3013	43013	3013	4.043	-273.81	0.123	-5.263	35.897	-14216
43013_3014	43013	3014	-4.043	309.298	-0.123	5.263	-37.389	10667.88
43014_3014	43014	3014	4.043	-352.704	0.1	4.06	37.389	-10668.1
43014_3015	43014	3015	-4.043	400.689	-0.1	-4.06	-39.037	4469.354
43015_3015	43015	3015	8.601	-400.617	0.094	-2.75	39.009	-4466.85

43015_3016	43015	3016	-8.856	423.071	-0.094	2.75	-39.787	1072.482
43016_3016	43016	3016	19.791	-463.278	1.376	-1.083	47.881	-1951.44
43016_3017	43016	3017	-20.844	495.382	-1.376	1.083	-64.062	-3684.17
43017_3017	43017	3017	34.743	-494.602	1.371	1.488	64.272	3684.169
43017_3018	43017	3018	-37.11	533.453	-1.371	-1.488	-82.466	-10505.6
43018_3018	43018	3018	56.258	-579.349	-0.003	-12.61	81.425	10505.64
43018_3019	43018	3019	-59.69	617.846	0.003	12.61	-81.392	-18017.4
43019_3019	43019	3019	76.737	-615.962	-0.01	13.609	84.345	18017.4
43019_3020	43019	3020	-81.531	656.916	0.01	-13.609	-84.22	-26024.9
43020_3020	43020	3020	-2424.01	206.277	-9.892	-5.123	241.386	5497.207
43020_3021	43020	3021	2424.008	-179.721	9.892	5.123	-147.476	-3664.9
43021_3021	43021	3021	-2424.02	179.721	-5.258	1.883	147.476	3664.898
43021_3022	43021	3022	2424.022	-160.144	5.258	-1.883	-106.716	-2347.51
43022_3022	43022	3022	-2424.02	160.144	-5.258	1.883	106.716	2347.506
43022_3023	43022	3023	2424.022	-140.567	5.258	-1.883	-65.955	-1181.89
43023_3023	43023	3023	-2424.07	94.114	-9.034	-0.327	65.955	1181.924
43023_3024	43023	3024	2424.073	-73.906	9.034	0.327	6.338	-509.666
43024_3024	43024	3024	-2424.07	73.906	-9.034	-0.327	-6.338	509.666
43024_3025	43024	3025	2424.073	-53.698	9.034	0.327	78.631	0.886
43025_3025	43025	3025	-2424.08	53.698	-6.328	-0.328	-78.631	-0.886
43025_3026	43025	3026	2424.082	-33.518	6.328	0.328	129.197	349.366
43026_3026	43026	3026	-2424.06	-11.937	-5.208	-0.148	-129.197	-349.442
43026_3027	43026	3027	2424.064	27.091	5.208	0.148	160.451	232.338
43027_3027	43027	3027	-2424.07	-27.091	-1.189	-0.533	-160.451	-232.337
43027_3028	43027	3028	2424.069	42.243	1.189	0.533	167.585	24.331
43028_3028	43028	3028	-2424.07	-42.243	-1.189	-0.533	-167.585	-24.331
43028_3029	43028	3029	2424.069	57.395	1.189	0.533	174.719	-274.588
43029_3029	43029	3029	-2424.07	-57.395	2.831	-0.078	-174.719	274.588
43029_3030	43029	3030	2424.068	72.545	-2.831	0.078	157.733	-664.349
43030_3030	43030	3030	-2424.07	-118.374	1.729	-2.762	-157.733	664.305
43030_3031	43030	3031	2424.069	138.6	-1.729	2.762	143.883	-1693.36
43031_3031	43031	3031	-2424.07	-138.6	4.446	-0.864	-143.883	1693.366
43031_3032	43031	3032	2424.066	158.797	-4.446	0.864	108.32	-2882.68
43032_3032	43032	3032	-2424.06	-158.797	7.463	2.723	-108.32	2882.674
43032_3033	43032	3033	2424.058	178.993	-7.463	-2.723	48.637	-4233.35
43033_3033	43033	3033	-2424.09	-227.041	4.037	-9.65	-48.637	4233.48
43033_3034	43033	3034	2424.085	246.603	-4.037	9.65	17.366	-6068
43034_3034	43034	3034	-2424.07	-246.603	10.562	6.685	-17.366	6068.003
43034_3035	43034	3035	2424.066	266.186	-10.562	-6.685	-64.537	-8056.2
43035_3035	43035	3035	-2424.07	-266.186	9.174	2.071	64.537	8056.201
43035_3036	43035	3036	2424.071	292.766	-9.174	-2.071	-151.714	-10712
43036_3036	43036	3036	89.645	547.754	0.751	-12.334	-12.938	32711.15
43036_3037	43036	3037	-84.85	-506.823	-0.751	12.334	3.487	-26081.1
43037_3037	43037	3037	70.784	508.978	0.729	10.384	-5.844	26081.11
43037_3038	43037	3038	-67.352	-470.481	-0.729	-10.384	-3.31	-19936
43038_3038	43038	3038	51.655	431.665	-0.191	-4.198	4.483	19936.69
43038_3039	43038	3039	-49.288	-392.829	0.191	4.198	-1.952	-14468.4
43039_3039	43039	3039	44.497	311.543	-0.598	1.075	16.094	2759.193
43039_3040	43039	3040	-43.456	-279.778	0.598	-1.075	-9.061	718.182
43040_3040	43040	3040	36.977	237.383	0.007	1.616	9.073	-718.191
43040_3041	43040	3041	-36.726	-215.34	-0.007	-1.616	-9.134	2586.257
43041_3041	43041	3041	34.278	215.743	-0.028	-1.14	9.152	-2586.26
43041_3042	43041	3042	-34.278	-177.422	0.028	1.14	-8.707	5733.804
43042_3042	43042	3042	34.279	135.786	0.074	2.681	8.707	-5733.95
43042_3043	43042	3043	-34.279	-107.177	-0.074	-2.681	-9.592	7186.091

43043_3043	43043	3043	34.279	107.177	0.045	-3.309	9.592	-7186.09
43043_3044	43043	3044	-34.279	-78.57	-0.045	3.309	-10.136	8296.187
43044_3044	43044	3044	34.28	40.077	0.089	7.334	10.136	-8296.37
43044_3045	43044	3045	-34.28	-11.472	-0.089	-7.334	-11.2	8604.419
43045_3045	43045	3045	34.28	11.472	0.03	-7.606	11.2	-8604.42
43045_3046	43045	3046	-34.28	17.153	-0.03	7.606	-11.554	8570.445
43046_3046	43046	3046	34.28	-55.243	-0.058	0.321	11.554	-8570.63
43046_3047	43046	3047	-34.28	83.84	0.058	-0.321	-10.855	7739.706
43047_3047	43047	3047	34.28	-83.84	-0.061	-0.199	10.855	-7739.71
43047_3048	43047	3048	-34.28	112.461	0.061	0.199	-10.129	6565.964
43048_3048	43048	3048	34.281	-151.141	0.059	0.096	10.129	-6566.13
43048_3049	43048	3049	-34.281	179.756	-0.059	-0.096	-10.83	4587.994
43049_3049	43049	3049	34.281	-179.756	0.061	0.395	10.83	-4587.99
43049_3050	43049	3050	-34.281	208.348	-0.061	-0.395	-11.558	2269.8
43050_3050	43050	3050	34.279	-249.871	-0.231	0.109	11.558	-2269.83
43050_3051	43050	3051	-34.279	288.155	0.231	-0.109	-7.864	-2033.26
43051_3051	43051	3051	37.55	-287.747	-0.249	1.087	7.877	2033.264
43051_3052	43051	3052	-37.781	308.101	0.249	-1.087	-5.823	-4492.23
43052_3052	43052	3052	45.804	-350.931	0.726	-1.69	5.758	4492.219
43052_3053	43052	3053	-46.764	380.2	-0.726	1.69	-14.292	-8790.03
43053_3053	43053	3053	59.536	-382.966	0.55	3.947	21.102	9160.559
43053_3054	43053	3054	-61.831	420.506	-0.55	-3.947	-28.4	-14489.8
43054_3054	43054	3054	77.62	-463.44	0.551	-14.975	26.88	14489.7
43054_3055	43054	3055	-80.937	500.558	-0.551	14.975	-33.792	-20537.5
43055_3055	43055	3055	94.737	-498.13	0.493	16.65	37.184	20537.48
43055_3056	43055	3056	-99.355	537.5	-0.493	-16.65	-43.392	-27052
43056_3056	43056	3056	-2205.97	249.058	-8.047	-4.263	154.838	7942.983
43056_3057	43056	3057	2205.972	-223.303	8.047	4.263	-78.369	-5698.73
43057_3057	43057	3057	-2205.98	223.303	-5.204	3.182	78.369	5656.638
43057_3058	43057	3058	2205.981	-202.764	5.204	-3.182	-38.054	-4006.17
43058_3058	43058	3058	-2205.98	202.764	-5.204	3.182	38.054	4006.168
43058_3059	43058	3059	2205.981	-182.225	5.204	-3.182	2.262	-2514.82
43059_3059	43059	3059	-2206.01	137.246	-8.123	-1.017	-2.262	2514.846
43059_3060	43059	3060	2206.012	-116.018	8.123	1.017	67.306	-1500.83
43060_3060	43060	3060	-2206.02	116.018	-5.553	0.731	-67.306	1500.832
43060_3061	43060	3061	2206.02	-94.818	5.553	-0.731	111.712	-657.811
43061_3061	43061	3061	-2206.02	94.818	-5.553	0.731	-111.712	657.811
43061_3062	43061	3062	2206.02	-73.618	5.553	-0.731	156.119	15.675
43062_3062	43062	3062	-2206.01	30.194	-0.203	0.229	-156.119	-15.715
43062_3063	43062	3063	2206.012	-14.282	0.203	-0.229	157.34	149.189
43063_3063	43063	3063	-2206.01	14.282	-0.203	0.229	-157.34	-149.189
43063_3064	43063	3064	2206.012	1.629	0.203	-0.229	158.562	187.163
43064_3064	43064	3064	-2206.01	-1.629	-0.203	0.229	-158.562	-187.163
43064_3065	43064	3065	2206.012	17.54	0.203	-0.229	159.783	129.635
43065_3065	43065	3065	-2206.01	-17.54	3.238	0.027	-159.783	-129.635
43065_3066	43065	3066	2206.01	33.424	-3.238	-0.027	140.383	-23.04
43066_3066	43066	3066	-2206	-76.878	4.733	-1.063	-140.383	22.978
43066_3067	43066	3067	2206.002	98.099	-4.733	1.063	102.499	-723.327
43067_3067	43067	3067	-2206	-98.099	4.733	-1.063	-102.499	723.327
43067_3068	43067	3068	2206.002	119.321	-4.733	1.063	64.615	-1593.55
43068_3068	43068	3068	-2205.98	-119.321	10.073	2.795	-64.615	1593.55
43068_3069	43068	3069	2205.984	140.512	-10.073	-2.795	-15.904	-2632.08
43069_3069	43069	3069	-2206.05	-185.328	4.397	-6.425	15.904	2632.144
43069_3070	43069	3070	2206.051	205.883	-4.397	6.425	-49.999	-4148.8
43070_3070	43070	3070	-2206.04	-205.883	7.072	-1.394	49.999	4148.809

43070_3071	43070	3071	2206.044	226.41	-7.072	1.394	-104.761	-5822.45
43071_3071	43071	3071	-2206.03	-226.41	9.959	6.414	104.761	5864.548
43071_3072	43071	3072	2206.033	252.174	-9.959	-6.414	-199.423	-8139.11
43072_3072	43072	3072	93.844	530.574	-0.04	-8.081	27.304	27267.55
43072_3073	43072	3073	-89.226	-491.207	0.04	8.081	-26.803	-20840.5
43073_3073	43073	3073	75.626	493.484	-0.065	7.764	25.088	20840.52
43073_3074	43073	3074	-72.309	-456.374	0.065	-7.764	-24.273	-14882.7
43074_3074	43074	3074	57.171	421.086	-0.484	-0.684	24.956	14883.29
43074_3075	43074	3075	-54.877	-383.534	0.484	0.684	-18.533	-9544.79
43075_3075	43075	3075	38.844	303.745	-0.981	-2.128	13.169	-2996.18
43075_3076	43075	3076	-37.916	-275.422	0.981	2.128	-1.628	6401.851
43076_3076	43076	3076	31.608	237.832	0.603	8.322	1.463	-6402
43076_3077	43076	3077	-31.384	-218.178	-0.603	-8.322	-6.432	8281.105
43077_3077	43077	3077	28.901	218.521	0.545	-8.169	6.526	-8289.51
43077_3078	43077	3078	-28.901	-181.734	-0.545	8.169	-14.456	11201.04
43078_3078	43078	3078	28.896	143.491	-0.117	-0.381	14.456	-11201.3
43078_3079	43078	3079	-28.896	-115.087	0.117	0.381	-13.142	12653.63
43079_3079	43079	3079	28.896	115.087	-0.117	-0.381	13.142	-12653.6
43079_3080	43079	3080	-28.896	-86.684	0.117	0.381	-11.827	13786.88
43080_3080	43080	3080	28.895	53.01	-0.153	5.841	11.827	-13787.1
43080_3081	43080	3081	-28.895	-24.584	0.153	-5.841	-10.111	14223.26
43081_3081	43081	3081	28.895	24.584	-0.177	-6.223	10.111	-14223.3
43081_3082	43081	3082	-28.895	3.816	0.177	6.223	-8.121	14339.89
43082_3082	43082	3082	28.898	-39.924	0.058	5.964	8.121	-14340.1
43082_3083	43082	3083	-28.898	70.448	-0.058	-5.964	-8.827	13673.94
43083_3083	43083	3083	28.898	-70.448	0.033	-5.84	8.827	-13673.9
43083_3084	43083	3084	-28.898	100.997	-0.033	5.84	-9.231	12638.31
43084_3084	43084	3084	28.898	-137.158	0.025	5.427	9.231	-12638.5
43084_3085	43084	3085	-28.898	165.553	-0.025	-5.427	-9.515	10938.83
43085_3085	43085	3085	28.898	-165.553	-0.001	-4.705	9.515	-10938.8
43085_3086	43085	3086	-28.898	193.973	0.001	4.705	-9.498	8918.398
43086_3086	43086	3086	28.898	-228.655	-0.105	3.181	9.498	-8918.63
43086_3087	43086	3087	-28.898	257.073	0.105	-3.181	-8.322	6189.171
43087_3087	43087	3087	28.897	-257.073	-0.129	-2.111	8.322	-6189.17
43087_3088	43087	3088	-28.897	285.465	0.129	2.111	-6.869	3143.301
43088_3088	43088	3088	28.898	-322.2	-0.125	-0.028	6.869	-3143.35
43088_3089	43088	3089	-28.898	357.574	0.125	0.028	-5.123	-1611.56
43089_3089	43089	3089	32.956	-357.223	-0.149	1.296	5.138	1619.966
43089_3090	43089	3090	-33.192	378.033	0.149	-1.296	-3.91	-4655.04
43090_3090	43090	3090	42.56	-415.982	0.124	-4.374	3.754	4655.024
43090_3091	43090	3091	-43.541	445.881	-0.124	4.374	-5.212	-9719.52
43091_3091	43091	3091	58.039	-448.202	-0.119	4.43	9.423	10008.6
43091_3092	43091	3092	-60.29	485.129	0.119	-4.43	-7.839	-16200.6
43092_3092	43092	3092	77.794	-527.451	0.763	-8.212	6.853	16200.58
43092_3093	43092	3093	-81.051	563.995	-0.763	8.212	-16.433	-23050.6
43093_3093	43093	3093	96.641	-561.534	0.739	9.062	18.275	23050.62
43093_3094	43093	3094	-101.181	600.305	-0.739	-9.062	-27.575	-30356.8
43094_3094	43094	3094	-2406.03	226.753	-4.016	-7.796	11.004	8313.58
43094_3095	43094	3095	2406.028	-201.437	4.016	7.796	27.162	-6278.73
43095_3095	43095	3095	-2406.03	201.437	1.039	5.394	-27.162	6278.73
43095_3096	43095	3096	2406.032	-181.405	-1.039	-5.394	19.118	-4796.53
43096_3096	43096	3096	-2406.03	181.405	1.127	5.57	-19.118	4796.531
43096_3097	43096	3097	2406.032	-161.347	-1.127	-5.57	10.38	-3467.83
43097_3097	43097	3097	-2406.06	118.091	-2.967	-2.296	-10.38	3467.883
43097_3098	43097	3098	2406.062	-97.387	2.967	2.296	34.129	-2605.65

43098_3098	43098	3098	-2406.06	97.387	-0.041	0.874	-34.129	2605.646
43098_3099	43098	3099	2406.064	-76.708	0.041	-0.874	34.456	-1909.9
43099_3099	43099	3099	-2406.06	76.708	0.038	0.936	-34.456	1909.897
43099_3100	43099	3100	2406.064	-56.004	-0.038	-0.936	34.152	-1378.86
43100_3100	43100	3100	-2406.02	13.997	8.773	5.072	-34.152	1378.831
43100_3101	43100	3101	2406.016	1.531	-8.773	-5.072	-18.504	-1341.42
43101_3101	43101	3101	-2406.02	-1.531	8.773	5.072	18.504	1341.421
43101_3102	43101	3102	2406.016	17.058	-8.773	-5.072	-71.161	-1397.21
43102_3102	43102	3102	-2406.01	-17.058	-11.393	-6.639	71.161	1397.199
43102_3103	43102	3103	2406.005	32.564	11.393	6.639	-2.876	-1545.9
43103_3103	43103	3103	-2406.02	-32.564	-7.254	-3.98	2.876	1545.909
43103_3104	43103	3104	2406.021	48.094	7.254	3.98	40.669	-1788
43104_3104	43104	3104	-2406.02	-90.086	-1.567	-2.211	-40.669	1788.007
43104_3105	43104	3105	2406.016	110.793	1.567	2.211	53.215	-2591.92
43105_3105	43105	3105	-2406.02	-110.793	1.347	0.928	-53.215	2591.915
43105_3106	43105	3106	2406.017	131.473	-1.347	-0.928	42.448	-3560.21
43106_3106	43106	3106	-2406.02	-131.473	1.437	1.062	-42.448	3560.206
43106_3107	43106	3107	2406.017	152.18	-1.437	-1.062	30.945	-4695.33
43107_3107	43107	3107	-2406.03	-195.393	0.325	-3.521	-30.945	4695.387
43107_3108	43107	3108	2406.03	215.451	-0.325	3.521	28.426	-6288.05
43108_3108	43108	3108	-2406.03	-215.451	0.237	-3.752	-28.426	6288.048
43108_3109	43108	3109	2406.03	235.483	-0.237	3.752	26.594	-8033.87
43109_3109	43109	3109	-2406.03	-235.483	2.774	4.72	-26.594	8033.869
43109_3110	43109	3110	2406.029	260.797	-2.774	-4.72	0.232	-10392.1
43110_3110	43110	3110	106.724	557.31	-0.499	-21.706	26.004	32893.22
43110_3111	43110	3111	-102.184	-518.545	0.499	21.706	-19.723	-26128.9
43111_3111	43111	3111	87.783	521.176	-0.566	19.919	15.356	26128.91
43111_3112	43111	3112	-84.526	-484.639	0.566	-19.919	-8.25	-19817.7
43112_3112	43112	3112	68.631	449.606	-0.128	-3.74	10.233	19818.19
43112_3113	43112	3113	-66.381	-412.663	0.128	3.74	-8.537	-14095.2
43113_3113	43113	3113	49.583	331.787	-0.499	0.404	19.985	1485.826
43113_3114	43113	3114	-48.612	-302.199	0.499	-0.404	-14.122	2238.143
43114_3114	43114	3114	41.681	264.238	-0.311	-0.474	14.134	-2238.2
43114_3115	43114	3115	-41.447	-243.648	0.311	0.474	-11.569	4333.757
43115_3115	43115	3115	38.676	244.103	-0.308	-0.332	11.563	-4344.88
43115_3116	43115	3116	-38.676	-209.957	0.308	0.332	-7.101	7637.519
43116_3116	43116	3116	38.676	173.605	0.043	7.974	7.101	-7637.49
43116_3117	43116	3117	-38.676	-147.137	-0.043	-7.974	-7.586	9440.371
43117_3117	43117	3117	38.676	147.137	-0.025	-8.676	7.586	-9440.37
43117_3118	43117	3118	-38.676	-120.693	0.025	8.676	-7.304	10944.45
43118_3118	43118	3118	38.675	87.355	-0.028	10.291	7.304	-10944.5
43118_3119	43118	3119	-38.675	-60.911	0.028	-10.291	-6.988	11777.15
43119_3119	43119	3119	38.675	60.911	-0.097	-10.678	6.988	-11777.1
43119_3120	43119	3120	-38.675	-34.468	0.097	10.678	-5.898	12312.77
43120_3120	43120	3120	38.675	-0.385	-0.182	4.99	5.898	-12312.7
43120_3121	43120	3121	-38.675	28.806	0.182	-4.99	-3.705	12136.52
43121_3121	43121	3121	38.675	-28.806	-0.214	-5.063	3.705	-12136.5
43121_3122	43121	3122	-38.675	57.226	0.214	5.063	-1.124	11617.27
43122_3122	43122	3122	38.674	-92.469	-0.101	4.839	1.124	-11617.3
43122_3123	43122	3123	-38.674	118.911	0.101	-4.839	0.01	10430.29
43123_3123	43123	3123	38.674	-118.911	-0.136	-4.547	-0.01	-10430.3
43123_3124	43123	3124	-38.674	145.376	0.136	4.547	1.537	8944.916
43124_3124	43124	3124	38.674	-179.558	-0.194	6.319	-1.537	-8944.92
43124_3125	43124	3125	-38.674	205.999	0.194	-6.319	3.715	6779.915
43125_3125	43125	3125	38.674	-205.999	-0.263	-5.755	-3.715	-6779.92

43125_3126	43125	3126	-38.674	232.44	0.263	5.755	6.666	4318
43126_3126	43126	3126	38.674	-269.436	-0.019	0.444	-6.666	-4317.98
43126_3127	43126	3127	-38.674	301.952	0.019	-0.444	6.924	372.447
43127_3127	43127	3127	42.102	-301.493	-0.064	0.102	-6.923	-361.329
43127_3128	43127	3128	-42.317	320.397	0.064	-0.102	7.453	-2204.12
43128_3128	43128	3128	50.536	-360.935	-0.249	-4.687	-7.612	2204.043
43128_3129	43128	3129	-51.428	388.145	0.249	4.687	10.542	-6606.86
43129_3129	43129	3129	66.652	-391.762	0.487	9.514	-9.241	7041.876
43129_3130	43129	3130	-68.831	427.532	-0.487	-9.514	2.776	-12478.1
43130_3130	43130	3130	84.747	-469.758	-0.845	-5.85	-3.884	12478.04
43130_3131	43130	3131	-87.906	505.187	0.845	5.85	14.483	-18593.6
43131_3131	43131	3131	105.89	-501.725	-0.874	7.358	-13.093	18593.59
43131_3132	43131	3132	-110.302	536.939	0.874	-7.358	23.38	-24704.5
43132_3132	43132	3132	-2172.96	208.807	26.488	15.115	-325.805	6218.245
43132_3133	43132	3133	2172.959	-182.276	-26.488	-15.115	52.978	-4204.17
43133_3133	43133	3133	-2172.99	182.276	23.684	9.69	-52.978	4204.187
43133_3134	43133	3134	2172.991	-164.025	-23.684	-9.69	-130.575	-2862.27
43134_3134	43134	3134	-2173.12	164.025	-1.442	-23.404	130.575	2862.191
43134_3135	43134	3135	2173.12	-145.702	1.442	23.404	-119.356	-1657.25
43135_3135	43135	3135	-2173.2	104.249	-2.825	-0.268	119.356	1657.69
43135_3136	43135	3136	2173.2	-85.407	2.825	0.268	-96.752	-898.964
43136_3136	43136	3136	-2173.2	85.407	-2.825	-0.268	96.752	898.964
43136_3137	43136	3137	2173.2	-66.565	2.825	0.268	-74.148	-290.993
43137_3137	43137	3137	-2173.2	66.565	-0.15	0.09	74.148	290.993
43137_3138	43137	3138	2173.202	-47.747	0.15	-0.09	-72.949	165.738
43138_3138	43138	3138	-2173.2	7.857	-3.226	0.017	72.949	-165.806
43138_3139	43138	3139	2173.203	6.275	3.226	-0.017	-53.588	170.553
43139_3139	43139	3139	-2173.2	-6.275	-3.226	0.017	53.588	-170.553
43139_3140	43139	3140	2173.203	20.406	3.226	-0.017	-34.227	90.5
43140_3140	43140	3140	-2173.21	-20.406	0.395	-0.134	34.227	-90.499
43140_3141	43140	3141	2173.206	34.537	-0.395	0.134	-36.596	-74.349
43141_3141	43141	3141	-2173.2	-34.537	-3.226	-0.258	36.596	74.349
43141_3142	43141	3142	2173.203	48.669	3.226	0.258	-17.235	-324.002
43142_3142	43142	3142	-2173.2	-89.576	-2.311	-0.124	17.235	323.938
43142_3143	43142	3143	2173.204	108.418	2.311	0.124	1.253	-1116.02
43143_3143	43143	3143	-2173.21	-108.418	0.405	1.271	-1.253	1116.021
43143_3144	43143	3144	2173.205	127.26	-0.405	-1.271	-1.988	-2058.84
43144_3144	43144	3144	-2173.2	-127.26	-2.311	-1.302	1.988	2058.839
43144_3145	43144	3145	2173.204	146.102	2.311	1.302	16.501	-3152.43
43145_3145	43145	3145	-2173.18	-190.209	-2.636	1.919	-16.501	3152.44
43145_3146	43145	3146	2173.176	208.462	2.636	-1.919	36.932	-4697.48
43146_3146	43146	3146	-2173.17	-208.462	-5.439	-4.14	-36.932	4697.473
43146_3147	43146	3147	2173.171	226.715	5.439	4.14	79.093	-6384.02
43147_3147	43147	3147	-2173.18	-226.715	-3.3	2.145	-79.093	6384.021
43147_3148	43147	3148	2173.176	251.188	3.3	-2.145	110.447	-8654.35
43148_3148	43148	3148	113.667	492.671	-0.03	-0.684	-5.084	28132.26
43148_3149	43148	3149	-109.254	-455.01	0.03	0.684	5.466	-22175.4
43149_3149	43149	3149	96.607	457.862	-0.031	-0.249	-5.508	22175.44
43149_3150	43149	3150	-93.448	-422.429	0.031	0.249	5.897	-16653.1
43150_3150	43150	3150	79.249	386.808	-1.04	-0.346	-5.886	16653.09
43150_3151	43150	3151	-77.07	-351.034	1.04	0.346	19.693	-11756.9
43151_3151	43151	3151	61.669	259.26	-0.162	-0.261	-4.51	-282.179
43151_3152	43151	3152	-60.752	-231.303	0.162	0.261	6.418	3165.713
43152_3152	43152	3152	55.31	191.28	0.112	-1.087	-6.411	-3165.71
43152_3153	43152	3153	-55.089	-171.853	-0.112	1.087	5.487	4663.861

43153_3153	43153	3153	53.133	172.468	0.125	0.161	-5.499	-4663.86
43153_3154	43153	3154	-53.133	-141.114	-0.125	-0.161	3.776	6818.442
43154_3154	43154	3154	53.133	102.999	0.135	3.426	-3.776	-6818.43
43154_3155	43154	3155	-53.133	-77.898	-0.135	-3.426	2.295	7813.496
43155_3155	43155	3155	53.133	77.898	0.086	-3.675	-2.295	-7813.5
43155_3156	43155	3156	-53.133	-52.796	-0.086	3.675	1.347	8532.396
43156_3156	43156	3156	53.133	18.61	0.143	-0.006	-1.347	-8532.41
43156_3157	43156	3157	-53.133	4.233	-0.143	0.006	-0.088	8604.378
43157_3157	43157	3157	53.133	-4.233	0.143	-0.006	0.088	-8604.38
43157_3158	43157	3158	-53.133	27.075	-0.143	0.006	-1.522	8447.662
43158_3158	43158	3158	53.135	-58.072	0.028	0.185	1.522	-8447.61
43158_3159	43158	3159	-53.135	80.915	-0.028	-0.185	-1.802	7751.889
43159_3159	43159	3159	53.135	-80.915	0.027	0.062	1.802	-7751.89
43159_3160	43159	3160	-53.135	103.78	-0.027	-0.062	-2.073	6826.448
43160_3160	43160	3160	53.135	-138.313	0.072	2.606	2.073	-6826.48
43160_3161	43160	3161	-53.135	163.392	-0.072	-2.606	-2.859	5168.389
43161_3161	43161	3161	53.135	-163.392	0.022	-2.168	2.859	-5168.39
43161_3162	43161	3162	-53.135	188.494	-0.022	2.168	-3.106	3232.787
43162_3162	43162	3162	53.134	-227.537	0.116	0.323	3.106	-3232.78
43162_3163	43162	3163	-53.134	258.914	-0.116	-0.323	-4.704	-112.004
43163_3163	43163	3163	56.075	-258.293	0.169	0.159	4.707	112.004
43163_3164	43163	3164	-56.296	277.697	-0.169	-0.159	-6.098	-2320.69
43164_3164	43164	3164	63.638	-319.386	0.021	1.709	6.155	2320.592
43164_3165	43164	3165	-64.555	347.342	-0.021	-1.709	-6.401	-6239.73
43165_3165	43165	3165	79.542	-352.072	-0.268	-1.916	5.386	6789.819
43165_3166	43165	3166	-81.75	388.313	0.268	1.916	-1.823	-11702.9
43166_3166	43166	3166	97.097	-436.19	0.207	0.096	1.953	11702.98
43166_3167	43166	3167	-100.295	472.063	-0.207	-0.096	-4.547	-17400.8
43167_3167	43167	3167	113.291	-469.114	0.207	-0.03	4.548	17400.77
43167_3168	43167	3168	-117.755	507.245	-0.207	0.03	-7.15	-23542.8
43168_3168	43168	3168	-2080.78	232.402	-1.97	-3.846	11.787	6357.178
43168_3169	43168	3169	2080.784	-207.594	1.97	3.846	6.928	-4266.9
43169_3169	43169	3169	-2080.79	207.594	0.856	1.948	-6.928	4266.904
43169_3170	43169	3170	2080.785	-188.837	-0.856	-1.948	0.295	-2730.55
43170_3170	43170	3170	-2080.79	188.837	0.856	1.948	-0.295	2730.55
43170_3171	43170	3171	2080.785	-170.081	-0.856	-1.948	-6.339	-1339.58
43171_3171	43171	3171	-2080.79	123.196	-0.431	-0.065	6.339	1339.654
43171_3172	43171	3172	2080.788	-103.859	0.431	0.065	-2.892	-432.448
43172_3172	43172	3172	-2080.79	103.859	-0.389	-0.056	2.892	432.448
43172_3173	43172	3173	2080.788	-84.497	0.389	0.056	0.22	321.076
43173_3173	43173	3173	-2080.79	84.497	-0.389	-0.056	-0.22	-321.076
43173_3174	43173	3174	2080.788	-65.136	0.389	0.056	3.331	919.686
43174_3174	43174	3174	-2080.78	21.527	1.842	-0.82	-3.331	-919.752
43174_3175	43174	3175	2080.781	-7.006	-1.842	0.82	-7.722	1005.362
43175_3175	43175	3175	-2080.78	7.006	-1.625	0.855	7.722	-1005.36
43175_3176	43175	3176	2080.781	7.515	1.625	-0.855	2.031	1003.835
43176_3176	43176	3176	-2080.78	-7.515	1.842	-0.818	-2.031	-1003.84
43176_3177	43176	3177	2080.781	22.036	-1.842	0.818	-9.022	915.172
43177_3177	43177	3177	-2080.78	-22.036	-1.625	0.707	9.022	-915.172
43177_3178	43177	3178	2080.781	36.557	1.625	-0.707	0.73	739.367
43178_3178	43178	3178	-2080.79	-80.432	-0.375	-0.346	-0.73	-739.378
43178_3179	43178	3179	2080.788	99.794	0.375	0.346	3.731	18.38
43179_3179	43179	3179	-2080.79	-99.794	-0.375	-0.346	-3.731	-18.38
43179_3180	43179	3180	2080.788	119.155	0.375	0.346	6.733	-857.532
43180_3180	43180	3180	-2080.79	-119.155	2.225	0.725	-6.733	857.531

43180_3181	43180	3181	2080.787	138.517	-2.225	-0.725	-11.071	-1888.34
43181_3181	43181	3181	-2080.77	-185.686	-2.594	-2.606	11.071	1888.427
43181_3182	43181	3182	2080.766	204.419	2.594	2.606	9.008	-3398.35
43182_3182	43182	3182	-2080.77	-204.419	0.135	1.851	-9.008	3398.348
43182_3183	43182	3183	2080.768	223.175	-0.135	-1.851	7.958	-5055.47
43183_3183	43183	3183	-2080.77	-223.175	-0.5	0.307	-7.958	5055.474
43183_3184	43183	3184	2080.768	247.983	0.5	-0.307	12.71	-7293.76
43184_3184	43184	3184	113.093	488.941	-0.173	-0.352	-0.846	24701.78
43184_3185	43184	3185	-108.629	-450.81	0.173	0.352	3.028	-18790.2
43185_3185	43185	3185	96.141	453.638	-0.173	-0.268	-3.037	18790.16
43185_3186	43185	3186	-92.942	-417.764	0.173	0.268	5.213	-13323.6
43186_3186	43186	3186	78.59	377.705	-0.185	-0.699	-5.184	13323.59
43186_3187	43186	3187	-76.382	-341.464	0.185	0.699	7.636	-8551.33
43187_3187	43187	3187	54.028	249.548	-0.234	0.097	1.905	-3405.34
43187_3188	43187	3188	-53.069	-220.326	0.234	-0.097	0.842	6167.253
43188_3188	43188	3188	47.837	177.887	0.082	-1.459	-0.822	-6167.24
43188_3189	43188	3189	-47.607	-157.571	-0.082	1.459	0.146	7551.206
43189_3189	43189	3189	45.813	158.102	0.094	0.447	-0.162	-7544.41
43189_3190	43189	3190	-45.813	-123.866	-0.094	-0.447	-1.124	9481.777
43190_3190	43190	3190	45.814	82.659	0.042	-0.234	1.124	-9481.84
43190_3191	43190	3191	-45.814	-55.25	-0.042	0.234	-1.581	10240.44
43191_3191	43191	3191	45.814	55.25	0.042	-0.234	1.581	-10240.4
43191_3192	43191	3192	-45.814	-27.842	-0.042	0.234	-2.037	10697.5
43192_3192	43192	3192	45.813	-9.223	0.113	-0.073	2.037	-10697.4
43192_3193	43192	3193	-45.813	34.314	-0.113	0.073	-3.171	10478.19
43193_3193	43193	3193	45.813	-34.314	0.113	-0.073	3.171	-10478.2
43193_3194	43193	3194	-45.813	59.404	-0.113	0.073	-4.304	10006.26
43194_3194	43194	3194	45.816	-93.314	-0.043	0.13	4.304	-10006.3
43194_3195	43194	3195	-45.816	118.405	0.043	-0.13	-3.869	8940.121
43195_3195	43195	3195	45.816	-118.405	-0.043	0.13	3.869	-8940.12
43195_3196	43195	3196	-45.816	143.496	0.043	-0.13	-3.435	7621.287
43196_3196	43196	3196	45.814	-180.406	0.02	-2.161	3.435	-7621.29
43196_3197	43196	3197	-45.814	207.789	-0.02	2.161	-3.656	5487.905
43197_3197	43197	3197	45.814	-207.789	0.061	2.75	3.656	-5487.91
43197_3198	43197	3198	-45.814	235.197	-0.061	-2.75	-4.329	3051.158
43198_3198	43198	3198	45.814	-276.459	0.027	0.332	4.329	-3051.19
43198_3199	43198	3199	-45.814	310.72	-0.027	-0.332	-4.704	-986.185
43199_3199	43199	3199	49.411	-310.168	0.016	0.521	4.711	973.001
43199_3200	43199	3200	-49.656	331.325	-0.016	-0.521	-4.844	-3619.61
43200_3200	43200	3200	58.349	-374.468	0.684	-0.553	4.822	3619.621
43200_3201	43200	3201	-59.365	404.863	-0.684	0.553	-12.856	-8197
43201_3201	43201	3201	74.869	-409.548	0.373	1.58	17.731	8757.272
43201_3202	43201	3202	-77.371	450.057	-0.373	-1.58	-22.684	-14462.1
43202_3202	43202	3202	94.557	-497.56	0.489	0.518	22.682	14462.1
43202_3203	43202	3203	-98.156	537.458	-0.489	-0.518	-28.823	-20956
43203_3203	43203	3203	112.99	-534.537	0.489	-0.28	28.826	20956.01
43203_3204	43203	3204	-117.972	576.692	-0.489	0.28	-34.985	-27947.7
43204_3204	43204	3204	-2348.36	256.972	1.335	2.035	19.993	7957.543
43204_3205	43204	3205	2348.356	-229.105	-1.335	-2.035	-32.675	-5648.39
43205_3205	43205	3205	-2348.36	229.105	-0.977	-3.406	32.675	5360.517
43205_3206	43205	3206	2348.357	-207.853	0.977	3.406	-25.101	-3667.07
43206_3206	43206	3206	-2348.36	207.853	2.052	1.325	25.101	3667.068
43206_3207	43206	3207	2348.356	-186.601	-2.052	-1.325	-41.007	-2138.38
43207_3207	43207	3207	-2348.23	136.108	-5.116	-0.248	41.007	2138.448
43207_3208	43207	3208	2348.229	-114.17	5.116	0.248	-0.074	-1137.21

43208_3208	43208	3208	-2348.23	114.17	-5.164	-0.272	0.074	1137.207
43208_3209	43208	3209	2348.228	-92.26	5.164	0.272	41.189	-312.412
43209_3209	43209	3209	-2348.23	92.26	-2.181	0.125	-41.189	312.412
43209_3210	43209	3210	2348.233	-70.322	2.181	-0.125	58.643	337.989
43210_3210	43210	3210	-2348.3	20.926	-2.744	0.143	-58.643	-338.102
43210_3211	43210	3211	2348.295	-4.473	2.744	-0.143	75.11	414.308
43211_3211	43211	3211	-2348.3	4.473	-2.744	0.143	-75.11	-414.308
43211_3212	43211	3212	2348.295	11.981	2.744	-0.143	91.578	391.781
43212_3212	43212	3212	-2348.3	-11.981	1.169	-0.51	-91.578	-391.78
43212_3213	43212	3213	2348.296	28.434	-1.169	0.51	84.566	270.523
43213_3213	43213	3213	-2348.3	-28.434	-2.744	-0.059	-84.566	-270.524
43213_3214	43213	3214	2348.295	44.887	2.744	0.059	101.034	50.531
43214_3214	43214	3214	-2348.38	-94.505	5.376	0.627	-101.034	-50.525
43214_3215	43214	3215	2348.384	116.442	-5.376	-0.627	58.017	-793.36
43215_3215	43215	3215	-2348.39	-116.442	2.442	-0.365	-58.017	793.36
43215_3216	43215	3216	2348.389	138.38	-2.442	0.365	38.481	-1812.78
43216_3216	43216	3216	-2348.39	-138.38	2.442	-0.365	-38.481	1812.784
43216_3217	43216	3217	2348.389	160.318	-2.442	0.365	18.945	-3007.73
43217_3217	43217	3217	-2348.34	-210.526	2.248	-5.392	-18.945	3007.649
43217_3218	43217	3218	2348.338	231.777	-2.248	5.392	1.519	-4721.78
43218_3218	43218	3218	-2348.34	-231.777	-0.781	-11.483	-1.519	4721.768
43218_3219	43218	3219	2348.339	253.03	0.781	11.483	7.573	-6600.66
43219_3219	43219	3219	-2348.32	-253.03	8.914	16.86	-7.573	6888.516
43219_3220	43219	3220	2348.322	280.866	-8.914	-16.86	-77.025	-9422.06
43220_3220	43220	3220	111.445	559.779	-1.293	-37.4	38.097	29768.32
43220_3221	43220	3221	-106.463	-517.628	1.293	37.4	-21.822	-22990.2
43221_3221	43221	3221	92.093	520.376	-1.437	35.281	14.169	22990.25
43221_3222	43221	3222	-88.494	-480.482	1.437	-35.281	3.865	-16711.5
43222_3222	43222	3222	72.156	439.205	3.317	-2.908	-0.501	16710.9
43222_3223	43222	3223	-69.654	-398.702	-3.317	2.908	-43.538	-11150.9
43223_3223	43223	3223	40.207	299.749	-0.173	-3.25	0.807	-1519.04
43223_3224	43223	3224	-39.138	-267.744	0.173	3.25	1.232	4854.534
43224_3224	43224	3224	32.746	221.816	0.39	17.27	-1.54	-4854.59
43224_3225	43224	3225	-32.488	-199.547	-0.39	-17.27	-1.681	6592.82
43225_3225	43225	3225	30.176	199.91	0.25	-13.469	1.881	-6588.62
43225_3226	43225	3226	-30.176	-155.36	-0.25	13.469	-5.862	9418.549
43226_3226	43226	3226	30.172	107.643	0.629	21.783	5.862	-9417.76
43226_3227	43226	3227	-30.172	-73.803	-0.629	-21.783	-13.474	10515.64
43227_3227	43227	3227	30.174	73.803	0.504	-21.829	13.474	-10515.6
43227_3228	43227	3228	-30.174	-39.988	-0.504	21.829	-19.568	11203.65
43228_3228	43228	3228	30.171	-4.759	0.63	22.777	19.568	-11201.7
43228_3229	43228	3229	-30.171	38.576	-0.63	-22.777	-27.186	10939.68
43229_3229	43229	3229	30.173	-38.576	0.505	-22.437	27.186	-10939.7
43229_3230	43229	3230	-30.173	72.397	-0.505	22.437	-33.297	10268.6
43230_3230	43230	3230	30.191	-117.462	-0.082	18.01	33.297	-10266.1
43230_3231	43230	3231	-30.191	151.761	0.082	-18.01	-32.295	8615.038
43231_3231	43231	3231	30.191	-151.761	-0.206	-17.329	32.295	-8615.04
43231_3232	43231	3232	-30.191	186.036	0.206	17.329	-29.776	6544.817
43232_3232	43232	3232	30.127	-236.173	1.646	5.667	29.776	-6543.12
43232_3233	43232	3233	-30.127	258.085	-1.646	-5.667	-42.67	4606.683
43233_3233	43233	3233	30.128	-258.085	1.627	2.852	42.67	-4606.69
43233_3234	43233	3234	-30.128	278.934	-1.627	-2.852	-54.802	2604.777
43234_3234	43234	3234	33.407	-278.56	1.542	-5.163	54.745	-2604.78
43234_3235	43234	3235	-33.704	303.894	-1.542	5.163	-68.419	22.142
43235_3235	43235	3235	39.972	-351.095	1.516	-3.859	68.394	-22.048

43235_3236	43235	3236	-40.443	367.933	-1.516	3.859	-77.287	-2087.56
43236_3236	43236	3236	51.91	-372.244	3.626	-3.02	137.492	2733.539
43236_3237	43236	3237	-52.543	388.042	-3.626	3.02	-156.599	-4736.73
43237_3237	43237	3237	59.166	-387.088	3.519	8.023	157.309	4736.697
43237_3238	43237	3238	-61.184	422.398	-3.519	-8.023	-192.206	-8750.21
43238_3238	43238	3238	73.969	-461.548	-1.378	-14.798	190.862	8747.63
43238_3239	43238	3239	-76.952	499.18	1.378	14.798	-176.661	-13697.2
43239_3239	43239	3239	88.44	-497.273	-1.465	13.02	179.543	13697.18
43239_3240	43239	3240	-92.628	538.115	1.465	-13.02	-163.701	-19293
43240_3240	43240	3240	108.903	-559.925	-40.087	-32.21	158.782	19284.93
43240_3241	43240	3241	-112.433	588.756	40.087	32.21	136.929	-23521.1
43241_3241	43241	3241	-2299.69	320.79	-14.85	4.34	426.431	6636.491
43241_3242	43241	3242	2299.687	-287.94	14.85	-4.34	-285.411	-3746.08
43242_3242	43242	3242	-2299.73	287.94	-6.621	17.744	285.411	3746.041
43242_3243	43242	3243	2299.725	-261.782	6.621	-17.744	-234.596	-1636.48
43243_3243	43243	3243	-2297.43	205.032	-36.529	0.001	234.596	1635.049
43243_3244	43243	3244	2297.426	-172.585	36.529	-0.001	113.167	162.444
43244_3244	43244	3244	-2297.5	172.585	-31.503	-0.355	-113.167	-162.444
43244_3245	43244	3245	2297.501	-138.152	31.503	0.355	431.441	1732.115
43245_3245	43245	3245	-2298.23	90.705	-13.552	5.206	-431.441	-1731.36
43245_3246	43245	3246	2298.231	-56.812	13.552	-5.206	566.214	2464.869
43246_3246	43246	3246	-2298.27	56.812	-4.3	-4.717	-566.214	-2464.87
43246_3247	43246	3247	2298.267	-23.831	4.3	4.717	607.828	2855.053
43247_3247	43247	3247	-2298.25	-25.816	-0.618	4.99	-607.828	-2854.28
43247_3248	43247	3248	2298.247	57.126	0.618	-4.99	613.509	2473.302
43248_3248	43248	3248	-2298.24	-57.126	7.122	-3.34	-613.509	-2473.31
43248_3249	43248	3249	2298.236	92.684	-7.122	3.34	539.207	1691.816
43249_3249	43249	3249	-2296.8	-134.315	-18.02	-0.192	-539.207	-1691.46
43249_3250	43249	3250	2296.795	169.163	18.02	0.192	723.45	139.998
43250_3250	43250	3250	-2296.84	-169.163	-11.303	-0.601	-723.45	-139.997
43250_3251	43250	3251	2296.838	201.214	11.303	0.601	829.741	-1601.53
43251_3251	43251	3251	-2300.22	-240.676	77.78	-10.468	-829.741	1600.887
43251_3252	43251	3252	2300.215	269.314	-77.78	10.468	176.186	-3743.52
43252_3252	43252	3252	-2299.94	-269.314	85.457	2.027	-176.186	3743.531
43252_3253	43252	3253	2299.942	298.029	-85.457	-2.027	-543.811	-6133.53
43253_3253	43253	3253	-2299.83	-298.029	88.371	9.799	543.811	6133.526
43253_3254	43253	3254	2299.832	324.536	-88.371	-9.799	-1220.99	-8518.87
43254_3254	43254	3254	-2295.3	-353.343	-38.791	-104.097	1220.994	8514.473
43254_3255	43254	3255	2295.301	364.636	38.791	104.097	-1094.35	-9686.48
43255_3255	43255	3255	116.672	514.185	-55.329	-7.115	837.744	26639.36
43255_3256	43255	3256	-111.324	-474.367	55.329	7.115	-268.478	-21555.5
43256_3256	43256	3256	93.138	478.253	-55.478	50.79	261.485	21555.57
43256_3257	43256	3257	-90.197	-447.619	55.478	-50.79	193.315	-17761.1
43257_3257	43257	3257	76.367	408.768	14.079	-29.407	-185.881	17757.27
43257_3258	43257	3258	-73.63	-372.806	-14.079	29.407	46.638	-13893.1
43258_3258	43258	3258	66.174	374.206	13.981	1.504	-48.895	13893.12
43258_3259	43258	3259	-64.459	-343.563	-13.981	-1.504	-71.632	-10799.7
43259_3259	43259	3259	59.649	344.437	13.841	33.994	70.245	10799.68
43259_3260	43259	3260	-59.253	-334.948	-13.841	-33.994	-113.998	-9725.88
43260_3260	43260	3260	76.14	297.575	-0.397	15.924	27.922	-2788.79
43260_3261	43260	3261	-75.425	-274.423	0.397	-15.924	-24.943	4932.948
43261_3261	43261	3261	70.347	275.768	-0.539	4.997	25.362	-4932.97
43261_3262	43261	3262	-69.991	-247.056	0.539	-4.997	-20.322	7376.472
43262_3262	43262	3262	66.922	247.905	-0.767	-20.59	20.382	-7393.4
43262_3263	43262	3263	-66.922	-224.763	0.767	20.59	-14.504	9203.619

43263_3263	43263	3263	66.89	168.117	1.752	15.135	14.504	-9202.8
43263_3264	43263	3264	-66.89	-134.078	-1.752	-15.135	-34.24	10905.13
43264_3264	43264	3264	66.895	134.078	1.581	-12.711	34.24	-10905.1
43264_3265	43264	3265	-66.895	-98.477	-1.581	12.711	-52.868	12275.29
43265_3265	43265	3265	66.902	49.836	0.988	24.548	52.868	-12274.8
43265_3266	43265	3266	-66.902	-14.734	-0.988	-24.548	-64.347	12649.86
43266_3266	43266	3266	66.905	14.734	0.735	-23.29	64.347	-12649.9
43266_3267	43266	3267	-66.905	19.806	-0.735	23.29	-72.75	12620.87
43267_3267	43267	3267	66.908	-67.968	0.837	16.926	72.75	-12621
43267_3268	43267	3268	-66.908	103.041	-0.837	-16.926	-82.461	11628.38
43268_3268	43268	3268	66.91	-103.041	0.649	-15.626	82.461	-11628.4
43268_3269	43268	3269	-66.91	137.608	-0.649	15.626	-89.89	10251.7
43269_3269	43269	3269	66.91	-188.476	0.268	14.987	89.89	-10252.2
43269_3270	43269	3270	-66.91	225.35	-0.268	-14.987	-93.158	7726.894
43270_3270	43270	3270	66.911	-225.35	0.012	-14.5	93.158	-7726.9
43270_3271	43270	3271	-66.911	261.878	-0.012	14.5	-93.308	4781.575
43271_3271	43271	3271	66.959	-316.721	4.974	5.28	93.308	-4781.71
43271_3272	43271	3272	-66.959	337.662	-4.974	-5.28	-127.783	2513.927
43272_3272	43272	3272	71.153	-336.805	4.819	-3.35	127.751	-2496.96
43272_3273	43272	3273	-71.535	367.622	-4.819	3.35	-173.244	-828.06
43273_3273	43273	3273	78.678	-366.162	4.609	-4.127	173.228	828.06
43273_3274	43273	3274	-79.54	393.231	-4.609	4.127	-211.186	-3954.71
43274_3274	43274	3274	85.293	-438.188	-25.701	-16.683	210.689	3955.076
43274_3275	43274	3275	-85.624	445.893	25.701	16.683	-150.842	-4984.42
43275_3275	43275	3275	90.957	-444.832	-25.757	-11.876	150.995	4990.668
43275_3276	43275	3276	-92.75	477.413	25.757	11.876	72.386	-8989.42
43276_3276	43276	3276	101.706	-475.575	-25.948	15.397	-70.68	8989.425
43276_3277	43276	3277	-104.184	509.038	25.948	-15.397	296.888	-13280.6
43277_3277	43277	3277	106.832	-629.371	46.863	-76.471	-781.435	30732.48
43277_3278	43277	3278	-110.794	671.08	-46.863	76.471	291.39	-37530.4
43278_3278	43278	3278	133.524	-666.937	46.763	13.272	-283.49	37530.54
43278_3279	43278	3279	-138.699	706.979	-46.763	-13.272	-168.362	-44166.9
43279_3279	43279	3279	-3335.22	473.038	27.505	142.428	536.78	14685.89
43279_3280	43279	3280	3335.217	-457.844	-27.505	-142.428	-650.232	-12766
43280_3280	43280	3280	-3335.99	352.503	-77.652	-32.617	650.232	12767.32
43280_3281	43280	3281	3335.989	-329.394	77.652	32.617	-163.087	-10628.4
43281_3281	43281	3281	-3336.22	329.394	-66.987	-4.518	163.087	10921.19
43281_3282	43281	3282	3336.22	-296.172	66.987	4.518	483.571	-7901.73
43282_3282	43282	3282	-3336.4	296.172	-57.098	18.903	-483.571	7901.713
43282_3283	43282	3283	3336.404	-267.402	57.098	-18.903	960.895	-5546.04
43283_3283	43283	3283	-3336	218.292	13.444	-6.823	-960.895	5546.322
43283_3284	43283	3284	3335.999	-182.095	-13.444	6.823	794.68	-3071.31
43284_3284	43284	3284	-3335.92	182.095	26.284	4.998	-794.68	3071.309
43284_3285	43284	3285	3335.922	-147.181	-26.284	-4.998	481.258	-1108.07
43285_3285	43285	3285	-3336.1	67.571	4.81	-1.58	-481.258	1108.136
43285_3286	43285	3286	3336.096	-32.906	-4.81	1.58	424.313	-513.333
43286_3286	43286	3286	-3336.04	32.906	19.111	0.621	-424.313	513.335
43286_3287	43286	3287	3336.044	-2.413	-19.111	-0.621	225.275	-329.411
43287_3287	43287	3287	-3335.95	-47.363	25.824	-2.622	-225.275	329.277
43287_3288	43287	3288	3335.945	80.433	-25.824	2.622	-66.406	-1051.01
43288_3288	43288	3288	-3335.84	-80.433	37.15	0.946	66.406	1051.012
43288_3289	43288	3289	3335.838	112.452	-37.15	-0.946	-472.676	-2105.69
43289_3289	43289	3289	-3336.44	-196.726	-15.525	-9.79	472.676	2105.887
43289_3290	43289	3290	3336.438	221.216	15.525	9.79	-342.817	-3853.82
43290_3290	43290	3290	-3336.46	-221.216	-8.256	-1.394	342.817	3853.83

43290_3291	43290	3291	3336.464	244.225	8.256	1.394	-277.935	-5682.64
43291_3291	43291	3291	-3336.47	-244.225	-1.588	10.103	277.935	5389.858
43291_3292	43291	3292	3336.474	269.21	1.588	-10.103	-265.421	-7413.28
43292_3292	43292	3292	-3336.72	-334.204	-10.486	-19.103	265.421	7413.944
43292_3293	43292	3293	3336.719	342.161	10.486	19.103	-239.098	-8262.88
43293_3293	43293	3293	120.391	899.353	-9.305	-59.348	71.727	34042.7
43293_3294	43293	3294	-116.609	-868.562	9.305	59.348	7.182	-26547.2
43294_3294	43294	3294	85.399	872.183	-9.345	48.998	-18.663	26547.18
43294_3295	43294	3295	-82.422	-837.819	9.345	-48.998	110.419	-18152.9
43295_3295	43295	3295	56.001	769.614	4.43	-30.204	-104.161	18154.07
43295_3296	43295	3296	-53.791	-732.657	-4.43	30.204	55.879	-9968.92
43296_3296	43296	3296	35.994	733.747	4.391	10.823	-58.003	9968.943
43296_3297	43296	3297	-35.019	-706.255	-4.391	-10.823	21.667	-4010.46
43297_3297	43297	3297	22.572	706.763	4.362	23.258	-21.688	4009.421
43297_3298	43297	3298	-22.35	-694.331	-4.362	-23.258	2.856	-984.694
43298_3298	43298	3298	18.317	620.332	-1.315	4.021	48.835	3336.881
43298_3299	43298	3299	-18.224	-596.776	1.315	-4.021	-38.005	1675.125
43299_3299	43299	3299	15.866	596.843	-1.349	0.26	38.021	-1675.13
43299_3300	43299	3300	-15.866	-575.545	1.349	-0.26	-27.967	6043.22
43300_3300	43300	3300	15.863	575.545	-1.38	-11.586	27.967	-6043.21
43300_3301	43300	3301	-15.863	-552.018	1.38	11.586	-18.158	10049.81
43301_3301	43301	3301	15.863	467.797	-0.092	30.053	18.158	-10050.2
43301_3302	43301	3302	-15.863	-427.799	0.092	-30.053	-17.044	15460.47
43302_3302	43302	3302	15.863	427.799	-0.153	-28.845	17.044	-15460.5
43302_3303	43302	3303	-15.863	-387.427	0.153	28.845	-15.183	20431.28
43303_3303	43303	3303	15.871	310.855	1.167	36.221	15.183	-20432.1
43303_3304	43303	3304	-15.871	-268.375	-1.167	-36.221	-30.154	24148.47
43304_3304	43304	3304	15.875	268.375	1.119	-36.793	30.154	-24148.5
43304_3305	43304	3305	-15.875	-230.489	-1.119	36.793	-42.956	27002.95
43305_3305	43305	3305	15.869	159.056	-0.452	51.511	42.956	-27004
43305_3306	43305	3306	-15.869	-115.246	0.452	-51.511	-36.981	28818.99
43306_3306	43306	3306	15.867	115.246	-0.51	-55.435	36.981	-28819
43306_3307	43306	3307	-15.867	-78.688	0.51	55.435	-31.345	29889.78
43307_3307	43307	3307	15.874	10.875	0.709	51.556	31.345	-29891.1
43307_3308	43307	3308	-15.874	30.732	-0.709	-51.556	-40.26	29766.35
43308_3308	43308	3308	15.876	-30.732	0.656	-48.22	40.26	-29766.4
43308_3309	43308	3309	-15.876	69.473	-0.656	48.22	-47.939	29180.04
43309_3309	43309	3309	15.859	-137.745	-1.657	44.844	47.939	-29180.8
43309_3310	43309	3310	-15.859	177.033	1.657	-44.844	-28.27	27313.05
43310_3310	43310	3310	15.854	-177.033	-1.704	-35.141	28.27	-27313.1
43310_3311	43310	3311	-15.854	218.127	1.704	35.141	-7.12	24860.44
43311_3311	43311	3311	15.871	-281.517	2.2	36.71	7.12	-24861.4
43311_3312	43311	3312	-15.871	321.602	-2.2	-36.71	-33.761	21209.98
43312_3312	43312	3312	15.878	-321.602	2.15	-29.888	33.761	-21210
43312_3313	43312	3313	-15.878	361.857	-2.15	29.888	-59.91	17054.65
43313_3313	43313	3313	15.853	-446.917	-2.448	23.864	59.91	-17055.2
43313_3314	43313	3314	-15.853	488.998	2.448	-23.864	-28.793	11106.93
43314_3314	43314	3314	15.843	-488.998	-2.507	-17.61	28.793	-11106.9
43314_3315	43314	3315	-15.843	530.882	2.507	17.61	2.927	4655.391
43315_3315	43315	3315	15.846	-565.653	0.358	-0.429	-2.927	-4656.03
43315_3316	43315	3316	-15.846	592.744	-0.358	0.429	0	-83.683
44000_4000	44000	4000	0.009	16.456	0.086	0.009	0	-0.029
44000_4001	44000	4001	-0.009	5.874	-0.086	-0.009	-1.189	73.129
44001_4001	44001	4001	0.009	-5.874	0.086	-0.022	1.189	-73.129
44001_4002	44001	4002	-0.009	22.27	-0.086	0.022	-2.063	-69.632

44002_4002	44002	4002	0.006	21.365	-0.104	0.026	2.063	69.569
44002_4003	44002	4003	-0.006	-1.723	0.104	-0.026	-0.794	70.725
44003_4003	44003	4003	0.006	1.723	-0.104	-0.032	0.794	-70.725
44003_4004	44003	4004	-0.006	17.916	0.104	0.032	0.475	-27.665
44004_4004	44004	4004	0.01	19.898	0.03	-0.004	-0.475	27.454
44004_4005	44004	4005	-0.01	-0.252	-0.03	0.004	0.116	95.011
44005_4005	44005	4005	0.01	0.252	0.03	-0.004	-0.116	-95.011
44005_4006	44005	4006	-0.01	19.393	-0.03	0.004	-0.243	-21.319
44006_4006	44006	4006	0.009	19.866	-0.008	0.042	0.243	21.217
44006_4007	44006	4007	-0.009	-0.237	0.008	-0.042	-0.152	100.862
44007_4007	44007	4007	0.009	0.237	-0.008	-0.051	0.152	-100.862
44007_4008	44007	4008	-0.009	19.406	0.008	0.051	-0.06	-15.634
44008_4008	44008	4008	0.01	19.474	0.003	-0.008	0.06	15.678
44008_4009	44008	4009	-0.01	0.176	-0.003	0.008	-0.102	101.633
44009_4009	44009	4009	0.01	-0.176	0.003	0.002	0.102	-101.633
44009_4010	44009	4010	-0.01	19.809	-0.003	-0.002	-0.144	-19.756
44010_4010	44010	4010	0.009	19.287	0.002	-0.007	0.144	20.012
44010_4011	44010	4011	-0.009	0.362	-0.002	0.007	-0.171	95.035
44011_4011	44011	4011	0.009	-0.362	0.002	0.003	0.171	-95.035
44011_4012	44011	4012	-0.009	19.995	-0.002	-0.003	-0.198	-28.615
44012_4012	44012	4012	0.009	18.419	-0.011	-0.035	0.198	28.617
44012_4013	44012	4013	-0.009	1.233	0.011	0.035	-0.069	75.872
44013_4013	44013	4013	0.009	-1.233	-0.011	0.034	0.069	-75.872
44013_4014	44013	4014	-0.009	20.871	0.011	-0.034	0.06	-58.42
44014_4014	44014	4014	0.009	20.344	0.029	0.004	-0.06	58.35
44014_4015	44014	4015	-0.009	5.997	-0.029	-0.004	-0.417	58.566
44015_4015	44015	4015	0.009	-5.997	0.029	-0.011	0.417	-58.566
44015_4016	44015	4016	-0.009	19.339	-0.029	0.011	-0.659	-46.007
44016_4016	44016	4016	-0.379	20.237	-0.02	-0.008	0.714	104.928
44016_4017	44016	4017	0.379	-1.52	0.02	0.008	-0.477	22.905
44017_4017	44017	4017	-0.379	1.52	-0.02	0.002	0.477	-22.905
44017_4018	44017	4018	0.379	19.587	0.02	-0.002	-0.206	-96.799
44018_4018	44018	4018	-0.378	19.407	0.047	0.004	0.206	96.764
44018_4019	44018	4019	0.378	0.499	-0.047	-0.004	-0.799	21.377
44019_4019	44019	4019	-0.378	-0.499	0.048	-0.013	0.799	-21.377
44019_4020	44019	4020	0.378	20.402	-0.048	0.013	-1.394	-109.203
44020_4020	44020	4020	-0.459	20.975	-0.021	-0.007	1.394	109.154
44020_4021	44020	4021	0.459	-5.839	0.021	0.007	-1.197	18.25
44021_4021	44021	4021	-0.459	5.839	-0.021	0.003	1.197	-18.25
44021_4022	44021	4022	0.459	6.512	0.021	-0.003	-1.035	15.642
44022_4022	44022	4022	-0.459	-6.512	-0.02	-0.015	1.035	-15.642
44022_4023	44022	4023	0.459	18.844	0.02	0.015	-0.877	-82.517
44023_4023	44023	4023	-0.475	19.449	-0.104	-0.009	0.877	82.577
44023_4024	44023	4024	0.475	-6.7	0.104	0.009	-0.043	22.074
44024_4024	44024	4024	-0.475	6.7	-0.104	-0.009	0.043	-22.074
44024_4025	44024	4025	0.475	6.05	0.104	0.009	0.791	24.675
44025_4025	44025	4025	-0.475	-6.05	-0.104	-0.005	-0.791	-24.675
44025_4026	44025	4026	0.475	18.784	0.104	0.005	1.625	-74.588
44026_4026	44026	4026	-0.475	18.975	-0.014	-0.037	-1.625	74.591
44026_4027	44026	4027	0.475	-9.417	0.014	0.037	1.711	10.586
44027_4027	44027	4027	-0.475	9.417	-0.014	-0.037	-1.711	-10.586
44027_4028	44027	4028	0.475	0.14	0.014	0.037	1.797	38.419
44028_4028	44028	4028	-0.475	-0.14	-0.015	0.027	-1.797	-38.419
44028_4029	44028	4029	0.475	9.699	0.015	-0.027	1.888	8.898
44029_4029	44029	4029	-0.475	-9.699	-0.014	0.012	-1.888	-8.898

44029_4030	44029	4030	0.475	19.256	0.014	-0.012	1.974	-77.968
44030_4030	44030	4030	-0.476	18.382	0.06	-0.008	-1.974	77.916
44030_4031	44030	4031	0.476	-5.639	-0.06	0.008	1.496	18.171
44031_4031	44031	4031	-0.476	5.639	0.06	-0.008	-1.496	-18.171
44031_4032	44031	4032	0.476	7.104	-0.06	0.008	1.019	12.312
44032_4032	44032	4032	-0.476	-7.104	0.06	-0.008	-1.019	-12.312
44032_4033	44032	4033	0.476	19.847	-0.06	0.008	0.542	-95.493
44033_4033	44033	4033	-0.476	18.823	0.044	-0.005	-0.542	95.498
44033_4034	44033	4034	0.476	-6.486	-0.044	0.005	0.204	2.515
44034_4034	44034	4034	-0.476	6.486	0.044	-0.005	-0.204	-2.515
44034_4035	44034	4035	0.476	5.868	-0.044	0.005	-0.135	4.91
44035_4035	44035	4035	-0.476	-5.868	0.044	-0.008	0.135	-4.91
44035_4036	44035	4036	0.476	20.973	-0.044	0.008	-0.551	-122.351
44036_4036	44036	4036	-0.514	20.942	-0.014	-0.008	0.551	122.343
44036_4037	44036	4037	0.514	-1.005	0.014	0.008	-0.374	15.009
44037_4037	44037	4037	-0.514	1.005	-0.014	-0.006	0.374	-15.009
44037_4038	44037	4038	0.514	18.901	0.014	0.006	-0.197	-96.814
44038_4038	44038	4038	-0.523	13.414	-0.162	-0.006	0.197	96.923
44038_4039	44038	4039	0.523	7.699	0.162	0.006	1.951	-59.045
44039_4039	44039	4039	-0.038	2.082	-0.002	-0.007	-0.162	-15.954
44039_4040	44039	4040	0.038	16.279	0.002	0.007	0.183	-67.438
44040_4040	44040	4040	-0.036	19.606	0.026	-0.018	-0.183	67.527
44040_4041	44040	4041	0.036	-6.707	-0.026	0.018	-0.033	41.057
44041_4041	44041	4041	-0.037	6.707	0.026	0.001	0.033	-41.057
44041_4042	44041	4042	0.037	18.087	-0.026	-0.001	-0.449	-49.21
44042_4042	44042	4042	-0.037	19.315	-0.015	-0.007	0.449	49.231
44042_4043	44042	4043	0.037	-0.648	0.015	0.007	-0.266	69.982
44043_4043	44043	4043	-0.037	0.648	-0.015	-0.002	0.266	-69.982
44043_4044	44043	4044	0.037	18.003	0.015	0.002	-0.083	-33.568
44044_4044	44044	4044	-0.037	18.688	0.003	-0.003	0.083	33.7
44044_4045	44044	4045	0.037	-0.021	-0.003	0.003	-0.116	78.026
44045_4045	44045	4045	-0.037	0.021	0.003	-0.003	0.116	-78.026
44045_4046	44045	4046	0.037	18.645	-0.003	0.003	-0.149	-33.19
44046_4046	44046	4046	-0.037	18.312	0.004	0	0.149	33.192
44046_4047	44046	4047	0.037	0.347	-0.004	0	-0.193	74.045
44047_4047	44047	4047	-0.037	-0.347	0.004	0	0.193	-74.045
44047_4048	44047	4048	0.037	19.005	-0.004	0	-0.237	-41.476
44048_4048	44048	4048	-0.037	17.672	-0.014	0.001	0.237	41.602
44048_4049	44048	4049	0.037	1.002	0.014	-0.001	-0.068	57.986
44049_4049	44049	4049	-0.037	-1.002	-0.014	0.005	0.068	-57.986
44049_4050	44049	4050	0.037	19.661	0.014	-0.005	0.102	-65.36
44050_4050	44050	4050	-0.036	17.854	0.023	0.009	-0.102	65.153
44050_4051	44050	4051	0.036	6.911	-0.023	-0.009	-0.268	21.548
44051_4051	44051	4051	-0.036	-6.911	0.023	-0.004	0.268	-21.548
44051_4052	44051	4052	0.036	19.809	-0.023	0.004	-0.461	-88.716
44052_4052	44052	4052	-0.035	16.693	-0.033	0.005	0.461	88.801
44052_4053	44052	4053	0.035	1.677	0.033	-0.005	-0.076	-0.554
44053_4053	44053	4053	-0.041	2.528	-0.032	0.003	0.166	-1.344
44053_4054	44053	4054	0.041	17.538	0.032	-0.003	0.263	-98.084
44054_4054	44054	4054	-0.037	18.565	0.061	0.003	-0.263	97.955
44054_4055	44054	4055	0.037	0.37	-0.061	-0.003	-0.499	15.772
44055_4055	44055	4055	-0.037	-0.37	0.061	0.003	0.499	-15.772
44055_4056	44055	4056	0.037	19.305	-0.061	-0.003	-1.261	-107.206
44056_4056	44056	4056	-0.008	19.902	-0.051	-0.001	1.261	107.22
44056_4057	44056	4057	0.008	-5.522	0.051	0.001	-0.78	13.466

44057_4057	44057	4057	-0.008	5.522	-0.051	0.004	0.78	-13.466
44057_4058	44057	4058	0.008	6.216	0.051	-0.004	-0.388	10.779
44058_4058	44058	4058	-0.008	-6.216	-0.051	0.004	0.388	-10.779
44058_4059	44058	4059	0.008	17.954	0.051	-0.004	0.005	-82.871
44059_4059	44059	4059	-0.008	18.638	-0.09	-0.004	-0.005	82.867
44059_4060	44059	4060	0.008	-6.51	0.09	0.004	0.725	17.81
44060_4060	44060	4060	-0.008	6.51	-0.09	0.019	-0.725	-17.81
44060_4061	44060	4061	0.008	5.604	0.09	-0.019	1.444	21.432
44061_4061	44061	4061	-0.008	-5.604	-0.09	-0.007	-1.444	-21.432
44061_4062	44061	4062	0.008	17.717	0.09	0.007	2.163	-71.813
44062_4062	44062	4062	-0.006	18.164	0.002	0.019	-2.163	71.862
44062_4063	44062	4063	0.006	-9.071	-0.002	-0.019	2.15	9.879
44063_4063	44063	4063	-0.006	9.071	0.002	0.035	-2.15	-9.879
44063_4064	44063	4064	0.006	0.022	-0.002	-0.035	2.136	37.044
44064_4064	44064	4064	-0.006	-0.022	0.002	-0.022	-2.136	-37.044
44064_4065	44064	4065	0.006	9.099	-0.002	0.022	2.123	9.717
44065_4065	44065	4065	-0.006	-9.099	0.002	-0.023	-2.123	-9.717
44065_4066	44065	4066	0.006	18.191	-0.002	0.023	2.109	-72.187
44066_4066	44066	4066	-0.004	17.753	0.1	0.009	-2.109	72.197
44066_4067	44066	4067	0.004	-5.628	-0.1	-0.009	1.308	21.385
44067_4067	44067	4067	-0.004	5.628	0.1	0.01	-1.308	-21.385
44067_4068	44067	4068	0.004	6.482	-0.1	-0.01	0.509	17.971
44068_4068	44068	4068	-0.004	-6.482	0.1	-0.013	-0.509	-17.971
44068_4069	44068	4069	0.004	18.606	-0.1	0.013	-0.291	-82.435
44069_4069	44069	4069	0.002	17.773	0.031	0.001	0.291	82.386
44069_4070	44069	4070	-0.002	-6.043	-0.031	-0.001	-0.53	9.835
44070_4070	44070	4070	0.002	6.043	0.031	0	0.53	-9.835
44070_4071	44070	4071	-0.002	5.702	-0.031	0	-0.77	11.159
44071_4071	44071	4071	0.002	-5.702	0.031	0.005	0.77	-11.159
44071_4072	44071	4072	-0.002	20.088	-0.031	-0.005	-1.063	-111.313
44072_4072	44072	4072	0.007	20.062	0	-0.007	1.063	111.323
44072_4073	44072	4073	-0.007	-1.13	0	0.007	-1.06	21.116
44073_4073	44073	4073	0.007	1.13	0	0.01	1.06	-21.116
44073_4074	44073	4074	-0.007	17.803	0	-0.01	-1.058	-83.086
44074_4074	44074	4074	0	12.212	-0.27	-0.018	1.058	83.135
44074_4075	44074	4075	0	7.858	0.27	0.018	2.518	-54.292
44075_4075	44075	4075	-0.02	2.758	-0.01	0.021	0.045	-33.014
44075_4076	44075	4076	0.02	14.647	0.01	-0.021	0.067	-36.82
44076_4076	44076	4076	-0.018	17.321	0.023	0.008	-0.067	36.97
44076_4077	44076	4077	0.018	-5.098	-0.023	-0.008	-0.127	55.516
44077_4077	44077	4077	-0.018	5.098	0.024	-0.005	0.127	-55.516
44077_4078	44077	4078	0.018	16.248	-0.024	0.005	-0.465	-24.81
44078_4078	44078	4078	-0.018	17.198	-0.021	-0.001	0.465	24.682
44078_4079	44078	4079	0.018	-0.57	0.021	0.001	-0.233	75.038
44079_4079	44079	4079	-0.018	0.57	-0.021	-0.001	0.233	-75.038
44079_4080	44079	4080	0.018	16.059	0.021	0.001	-0.001	-11.891
44080_4080	44080	4080	-0.017	16.358	0.005	0	0.001	11.666
44080_4081	44080	4081	0.017	0.267	-0.005	0	-0.052	78.62
44081_4081	44081	4081	-0.017	-0.267	0.005	0	0.052	-78.62
44081_4082	44081	4082	0.017	16.892	-0.005	0	-0.103	-17.662
44082_4082	44082	4082	-0.017	17.641	-0.001	-0.035	0.103	17.73
44082_4083	44082	4083	0.017	0.229	0.001	0.035	-0.093	87.283
44083_4083	44083	4083	-0.017	-0.229	-0.001	0.037	0.093	-87.283
44083_4084	44083	4084	0.017	18.1	0.001	-0.037	-0.084	-23.273
44084_4084	44084	4084	-0.017	16.36	-0.002	0.034	0.084	23.273

44084_4085	44084	4085	0.017	0.262	0.002	-0.034	-0.062	67.038
44085_4085	44085	4085	-0.017	-0.262	-0.002	-0.028	0.062	-67.038
44085_4086	44085	4086	0.017	16.898	0.002	0.028	-0.04	-29.308
44086_4086	44086	4086	-0.017	15.692	0.008	0.028	0.04	29.135
44086_4087	44086	4087	0.017	0.93	-0.008	-0.028	-0.127	53.676
44087_4087	44087	4087	-0.017	-0.93	0.008	-0.02	0.127	-53.676
44087_4088	44087	4088	0.017	17.551	-0.008	0.02	-0.213	-50
44088_4088	44088	4088	-0.017	15.212	-0.014	-0.004	0.213	50.2
44088_4089	44088	4089	0.017	5.321	0.014	0.004	-0.015	18.341
44089_4089	44089	4089	-0.017	-5.321	-0.014	0.01	0.015	-18.341
44089_4090	44089	4090	0.017	17.537	0.014	-0.01	0.103	-75.897
44090_4090	44090	4090	-0.016	15.253	-0.001	0.001	-0.103	76.085
44090_4091	44090	4091	0.016	2.166	0.001	-0.001	0.119	0.852
44091_4091	44091	4091	-0.029	1.866	0.017	0	-0.215	-2.814
44091_4092	44091	4092	0.029	17.467	-0.017	0	-0.01	-100.536
44092_4092	44092	4092	-0.026	18.051	0.008	-0.001	0.01	100.403
44092_4093	44092	4093	0.026	0.185	-0.008	0.001	-0.106	11.224
44093_4093	44093	4093	-0.026	-0.185	0.008	-0.001	0.106	-11.224
44093_4094	44093	4094	0.026	18.421	-0.008	0.001	-0.201	-105.028
44094_4094	44094	4094	-0.105	19.136	-0.023	-0.003	0.201	104.99
44094_4095	44094	4095	0.105	-5.266	0.023	0.003	0.017	10.975
44095_4095	44095	4095	-0.105	5.266	-0.023	0.005	-0.017	-10.975
44095_4096	44095	4096	0.105	6.049	0.023	-0.005	0.196	7.936
44096_4096	44096	4096	-0.105	-6.049	-0.023	-0.005	-0.196	-7.936
44096_4097	44096	4097	0.105	17.35	0.023	0.005	0.373	-82.662
44097_4097	44097	4097	-0.106	17.888	0.015	-0.001	-0.373	82.665
44097_4098	44097	4098	0.106	-6.209	-0.015	0.001	0.252	13.761
44098_4098	44098	4098	-0.106	6.209	0.015	-0.001	-0.252	-13.761
44098_4099	44098	4099	0.106	5.456	-0.015	0.001	0.13	16.772
44099_4099	44099	4099	-0.106	-5.456	0.015	-0.001	-0.13	-16.772
44099_4100	44099	4100	0.106	17.135	-0.015	0.001	0.009	-73.626
44100_4100	44100	4100	-0.107	17.45	-0.006	0.004	-0.009	73.617
44100_4101	44100	4101	0.107	-8.69	0.006	-0.004	0.046	4.837
44101_4101	44101	4101	-0.107	8.69	-0.006	-0.004	-0.046	-4.837
44101_4102	44101	4102	0.107	0.069	0.006	0.004	0.081	30.71
44102_4102	44102	4102	-0.107	-0.069	-0.006	-0.003	-0.081	-30.71
44102_4103	44102	4103	0.107	8.814	0.006	0.003	0.117	4.096
44103_4103	44103	4103	-0.107	-8.814	-0.006	-0.003	-0.117	-4.096
44103_4104	44103	4104	0.107	17.573	0.006	0.003	0.152	-75.095
44104_4104	44104	4104	-0.107	17.057	-0.012	0.01	-0.152	75.099
44104_4105	44104	4105	0.107	-5.378	0.012	-0.01	0.252	14.681
44105_4105	44105	4105	-0.107	5.378	-0.012	-0.007	-0.252	-14.681
44105_4106	44105	4106	0.107	6.287	0.012	0.007	0.35	11.048
44106_4106	44106	4106	-0.107	-6.287	-0.012	-0.008	-0.35	-11.048
44106_4107	44106	4107	0.107	17.966	0.012	0.008	0.449	-86.001
44107_4107	44107	4107	-0.11	17.157	0.017	0	-0.449	86.018
44107_4108	44107	4108	0.11	-5.842	-0.017	0	0.32	3.143
44108_4108	44108	4108	-0.11	5.842	0.017	-0.004	-0.32	-3.143
44108_4109	44108	4109	0.11	5.457	-0.017	0.004	0.191	4.635
44109_4109	44109	4109	-0.11	-5.457	0.017	0	-0.191	-4.635
44109_4110	44109	4110	0.11	19.326	-0.017	0	0.033	-113.135
44110_4110	44110	4110	-0.112	19.176	0.015	0.004	-0.033	113.138
44110_4111	44110	4111	0.112	-0.929	-0.015	-0.004	-0.15	12.556
44111_4111	44111	4111	-0.112	0.929	0.015	-0.006	0.15	-12.556
44111_4112	44111	4112	0.112	17.302	-0.015	0.006	-0.334	-89.723

44112_4112	44112	4112	-0.114	11.844	-0.107	-0.001	0.334	89.748
44112_4113	44112	4113	0.114	7.497	0.107	0.001	1.089	-60.945
44113_4113	44113	4113	-0.028	2.304	-0.004	-0.004	0.114	-19.629
44113_4114	44113	4114	0.028	14.808	0.004	0.004	-0.063	-53.853
44114_4114	44114	4114	-0.029	17.513	0.01	-0.054	0.063	53.703
44114_4115	44114	4115	0.029	-5.514	-0.01	0.054	-0.147	41.186
44115_4115	44115	4115	-0.029	5.514	0.01	0.028	0.147	-41.186
44115_4116	44115	4116	0.029	15.412	-0.01	-0.028	-0.293	-29.948
44116_4116	44116	4116	-0.029	17.128	-0.01	-0.003	0.293	29.972
44116_4117	44116	4117	0.029	-0.789	0.01	0.003	-0.179	70.563
44117_4117	44117	4117	-0.029	0.789	-0.01	-0.003	0.179	-70.563
44117_4118	44117	4118	0.029	15.55	0.01	0.003	-0.066	-12.261
44118_4118	44118	4118	-0.029	16.246	0	-0.037	0.066	12.494
44118_4119	44118	4119	0.029	0.092	0	0.037	-0.068	78.141
44119_4119	44119	4119	-0.029	-0.092	0	0.032	0.068	-78.141
44119_4120	44119	4120	0.029	16.444	0	-0.032	-0.07	-14.717
44120_4120	44120	4120	-0.029	17.445	-0.003	-0.038	0.07	14.475
44120_4121	44120	4121	0.029	0.101	0.003	0.038	-0.029	90.034
44121_4121	44121	4121	-0.029	-0.101	-0.003	0.036	0.029	-90.034
44121_4122	44121	4122	0.029	17.662	0.003	-0.036	0.011	-17.089
44122_4122	44122	4122	-0.029	16.137	-0.002	-0.031	-0.011	17.089
44122_4123	44122	4123	0.029	0.2	0.002	0.031	0.037	72.326
44123_4123	44123	4123	-0.029	-0.2	-0.002	0.033	-0.037	-72.326
44123_4124	44123	4124	0.029	16.551	0.002	-0.033	0.062	-21.733
44124_4124	44124	4124	-0.028	15.46	0.001	0.001	-0.062	21.511
44124_4125	44124	4125	0.028	0.877	-0.001	-0.001	0.053	60.302
44125_4125	44125	4125	-0.028	-0.877	0.001	0.001	-0.053	-60.302
44125_4126	44125	4126	0.028	17.214	-0.001	-0.001	0.044	-41.193
44126_4126	44126	4126	-0.028	14.701	-0.017	-0.007	-0.044	40.999
44126_4127	44126	4127	0.028	5.304	0.017	0.007	0.276	23.558
44127_4127	44127	4127	-0.028	-5.304	-0.017	0.016	-0.276	-23.558
44127_4128	44127	4128	0.028	17.316	0.017	-0.016	0.416	-69.753
44128_4128	44128	4128	-0.031	14.911	0.032	0.005	-0.416	69.601
44128_4129	44128	4129	0.031	2.197	-0.032	-0.005	0.042	5.096
44129_4129	44129	4129	-0.052	2.099	0.062	-0.004	-0.357	-6.574
44129_4130	44129	4130	0.052	17.199	-0.062	0.004	-0.461	-93.465
44130_4130	44130	4130	-0.036	17.618	-0.114	0.004	0.461	93.362
44130_4131	44130	4131	0.036	0.587	0.114	-0.004	0.959	13.082
44131_4131	44131	4131	-0.036	-0.587	-0.114	-0.006	-0.959	-13.082
44131_4132	44131	4132	0.036	18.779	0.114	0.006	2.378	-107.86
44132_4132	44132	4132	-0.869	18.838	0.193	0.005	-2.378	96.987
44132_4133	44132	4133	0.869	-5.001	-0.193	-0.005	0.543	16.25
44133_4133	44133	4133	-0.869	5.001	0.194	-0.004	-0.543	-16.25
44133_4134	44133	4134	0.869	6.286	-0.194	0.004	-0.958	11.271
44134_4134	44134	4134	-0.869	-6.286	0.194	-0.004	0.958	-11.271
44134_4135	44134	4135	0.869	17.589	-0.194	0.004	-2.461	-81.364
44135_4135	44135	4135	-0.861	18.06	-0.066	-0.002	2.461	81.485
44135_4136	44135	4136	0.861	-6.407	0.066	0.002	-1.936	16.394
44136_4136	44136	4136	-0.861	6.407	-0.066	-0.002	1.936	-16.394
44136_4137	44136	4137	0.861	5.246	0.066	0.002	-1.411	21.041
44137_4137	44137	4137	-0.861	-5.246	-0.066	-0.002	1.411	-21.041
44137_4138	44137	4138	0.861	16.898	0.066	0.002	-0.886	-67.544
44138_4138	44138	4138	-0.866	17.353	-0.022	-0.002	0.886	67.435
44138_4139	44138	4139	0.866	-8.613	0.022	0.002	-0.757	10.469
44139_4139	44139	4139	-0.866	8.613	-0.022	-0.002	0.757	-10.469

44139_4140	44139	4140	0.866	0.126	0.022	0.002	-0.628	35.931
44140_4140	44140	4140	-0.866	-0.126	-0.022	-0.002	0.628	-35.931
44140_4141	44140	4141	0.866	8.866	0.022	0.002	-0.498	8.951
44141_4141	44141	4141	-0.866	-8.866	-0.022	-0.002	0.498	-8.951
44141_4142	44141	4142	0.866	17.606	0.022	0.002	-0.369	-70.471
44142_4142	44142	4142	-0.866	16.864	-0.036	0.003	0.369	70.369
44142_4143	44142	4143	0.866	-5.211	0.036	-0.003	-0.084	17.94
44143_4143	44143	4143	-0.866	5.211	-0.036	0.003	0.084	-17.94
44143_4144	44143	4144	0.866	6.442	0.036	-0.003	0.202	13.017
44144_4144	44144	4144	-0.866	-6.442	-0.035	-0.014	-0.202	-13.017
44144_4145	44144	4145	0.866	18.094	0.035	0.014	0.479	-85.134
44145_4145	44145	4145	-0.86	17.137	-0.012	-0.002	-0.479	85.049
44145_4146	44145	4146	0.86	-5.863	0.012	0.002	0.572	3.969
44146_4146	44146	4146	-0.86	5.863	-0.011	-0.007	-0.572	-3.969
44146_4147	44146	4147	0.86	5.426	0.011	0.007	0.657	5.662
44147_4147	44147	4147	-0.86	-5.426	-0.012	-0.003	-0.657	-5.662
44147_4148	44147	4148	0.86	19.264	0.012	0.003	0.767	-111.623
44148_4148	44148	4148	-0.892	19.328	0.034	-0.004	-0.767	111.673
44148_4149	44148	4149	0.892	-1.121	-0.034	0.004	0.34	16.147
44149_4149	44149	4149	-0.892	1.121	0.034	-0.004	-0.34	-16.147
44149_4150	44149	4150	0.892	17.087	-0.034	0.004	-0.087	-83.648
44150_4150	44150	4150	-0.891	10.711	-0.057	-0.014	0.087	83.647
44150_4151	44150	4151	0.891	8.589	0.057	0.014	0.662	-69.583
44151_4151	44151	4151	-0.819	2.674	-0.003	0.008	-0.109	-26.239
44151_4152	44151	4152	0.819	15.178	0.003	-0.008	0.146	-47.229
44152_4152	44152	4152	-0.819	17.671	0.002	-0.017	-0.146	47.228
44152_4153	44152	4153	0.819	-5.137	-0.002	0.017	0.127	46.86
44153_4153	44153	4153	-0.819	5.137	0.002	0.006	-0.127	-46.86
44153_4154	44153	4154	0.819	15.739	-0.002	-0.006	0.101	-25.984
44154_4154	44154	4154	-0.819	17.38	0.001	0.032	-0.101	25.984
44154_4155	44154	4155	0.819	-0.668	-0.001	-0.032	0.088	73.29
44155_4155	44155	4155	-0.819	0.668	0.002	-0.035	-0.088	-73.29
44155_4156	44155	4156	0.819	16.044	-0.002	0.035	0.066	-11.288
44156_4156	44156	4156	-0.819	15.631	0.001	0.035	-0.066	11.289
44156_4157	44156	4157	0.819	-0.423	-0.001	-0.035	0.051	69.066
44157_4157	44157	4157	-0.819	0.423	0.002	-0.034	-0.051	-69.066
44157_4158	44157	4158	0.819	14.786	-0.002	0.034	0.029	-2.827
44158_4158	44158	4158	-0.819	14.337	0.002	0.035	-0.029	2.631
44158_4159	44158	4159	0.819	0.871	-0.002	-0.035	0.01	64.77
44159_4159	44159	4159	-0.819	-0.871	0.003	-0.029	-0.01	-64.77
44159_4160	44159	4160	0.819	16.08	-0.003	0.029	-0.017	-20.076
44160_4160	44160	4160	-0.819	15.57	0.001	0.004	0.017	20.077
44160_4161	44160	4161	0.819	1.142	-0.001	-0.004	-0.031	59.283
44161_4161	44161	4161	-0.819	-1.142	0.001	0.005	0.031	-59.283
44161_4162	44161	4162	0.819	17.84	-0.001	-0.005	-0.045	-45.032
44162_4162	44162	4162	-0.819	15.482	0.005	-0.009	0.045	45.195
44162_4163	44162	4163	0.819	5.408	-0.005	0.009	-0.116	24.066
44163_4163	44163	4163	-0.819	-5.408	0.004	0.026	0.116	-24.066
44163_4164	44163	4164	0.819	17.943	-0.004	-0.026	-0.149	-72.268
44164_4164	44164	4164	-0.818	15.54	-0.004	0.001	0.149	72.139
44164_4165	44164	4165	0.818	2.312	0.004	-0.001	-0.1	5.584
44165_4165	44165	4165	-0.851	2.218	-0.003	0.004	0.136	-6.702
44165_4166	44165	4166	0.851	18.434	0.003	-0.004	-0.097	-100.66
44166_4166	44166	4166	-0.852	19.194	-0.001	0.002	0.097	100.765
44166_4167	44166	4167	0.852	0.304	0.001	-0.002	-0.08	17.312

44167_4167	44167	4167	-0.852	-0.304	-0.001	0.002	0.08	-17.312
44167_4168	44167	4168	0.852	19.801	0.001	-0.002	-0.064	-108.355
44168_4168	44168	4168	-0.857	20.503	-0.001	0.008	0.064	108.466
44168_4169	44168	4169	0.857	-5.684	0.001	-0.008	-0.057	15.933
44169_4169	44169	4169	-0.857	5.684	0	-0.004	0.057	-15.933
44169_4170	44169	4170	0.857	6.404	0	0.004	-0.057	13.144
44170_4170	44170	4170	-0.857	-6.404	0	-0.004	0.057	-13.144
44170_4171	44170	4171	0.857	18.493	0	0.004	-0.057	-83.339
44171_4171	44171	4171	-0.857	19.283	-0.002	0	0.057	83.34
44171_4172	44171	4172	0.857	-6.805	0.002	0	-0.044	21.021
44172_4172	44172	4172	-0.857	6.805	-0.002	0	0.044	-21.021
44172_4173	44172	4173	0.857	5.674	0.002	0	-0.031	25.544
44173_4173	44173	4173	-0.857	-5.674	-0.002	0	0.031	-25.544
44173_4174	44173	4174	0.857	18.152	0.002	0	-0.017	-69.77
44174_4174	44174	4174	-0.857	18.668	-0.001	0	0.017	69.671
44174_4175	44174	4175	0.857	-9.31	0.001	0	-0.014	14.271
44175_4175	44175	4175	-0.857	9.31	-0.001	0	0.014	-14.271
44175_4176	44175	4176	0.857	0.049	0.001	0	-0.01	42.055
44176_4176	44176	4176	-0.857	-0.049	-0.001	0	0.01	-42.055
44176_4177	44176	4177	0.857	9.408	0.001	0	-0.007	13.681
44177_4177	44177	4177	-0.857	-9.408	-0.001	0	0.007	-13.681
44177_4178	44177	4178	0.857	18.767	0.001	0	-0.003	-70.851
44178_4178	44178	4178	-0.857	18.115	-0.001	0.007	0.003	70.752
44178_4179	44178	4179	0.857	-5.652	0.001	-0.007	0.006	24.21
44179_4179	44179	4179	-0.857	5.652	-0.001	0.007	-0.006	-24.21
44179_4180	44179	4180	0.857	6.826	0.001	-0.007	0.015	19.515
44180_4180	44180	4180	-0.857	-6.826	0	-0.018	-0.015	-19.515
44180_4181	44180	4181	0.857	19.304	0	0.018	0.015	-85.015
44181_4181	44181	4181	-0.861	18.298	-0.001	0.003	-0.015	85.108
44181_4182	44181	4182	0.861	-6.209	0.001	-0.003	0.019	9.865
44182_4182	44182	4182	-0.861	6.209	0.001	-0.01	-0.019	-9.865
44182_4183	44182	4183	0.861	5.879	-0.001	0.01	0.014	11.142
44183_4183	44183	4183	-0.861	-5.879	0	-0.001	-0.014	-11.142
44183_4184	44183	4184	0.861	20.698	0	0.001	0.015	-115.11
44184_4184	44184	4184	-0.861	20.587	-0.008	-0.004	-0.015	115.11
44184_4185	44184	4185	0.861	-1.09	0.008	0.004	0.118	20.384
44185_4185	44185	4185	-0.861	1.09	-0.008	-0.004	-0.118	-20.384
44185_4186	44185	4186	0.861	18.408	0.008	0.004	0.221	-87.864
44186_4186	44186	4186	-0.861	13.02	0.012	-0.019	-0.221	87.863
44186_4187	44186	4187	0.861	7.648	-0.012	0.019	0.065	-52.269
44187_4187	44187	4187	-0.631	3.149	0	0.012	-0.021	-37.418
44187_4188	44187	4188	0.631	15.969	0	-0.012	0.018	-37.907
44188_4188	44188	4188	-0.631	18.511	0	-0.022	-0.018	37.906
44188_4189	44188	4189	0.631	-5.088	0	0.022	0.016	59.45
44189_4189	44189	4189	-0.631	5.088	0	0.008	-0.016	-59.45
44189_4190	44189	4190	0.631	17.267	0	-0.008	0.018	-24.225
44190_4190	44190	4190	-0.631	18.43	0	0.034	-0.018	24.225
44190_4191	44190	4191	0.631	-0.533	0	-0.034	0.021	80.079
44191_4191	44191	4191	-0.631	0.533	0	-0.039	-0.021	-80.079
44191_4192	44191	4192	0.631	17.364	0	0.039	0.017	-12.503
44192_4192	44192	4192	-0.631	16.652	0.002	0	-0.017	12.504
44192_4193	44192	4193	0.631	-0.301	-0.002	0	-0.003	72.695
44193_4193	44193	4193	-0.631	0.301	0.002	0	0.003	-72.695
44193_4194	44193	4194	0.631	16.051	-0.002	0	-0.023	-6.455
44194_4194	44194	4194	-0.631	15.382	0.002	-0.031	0.023	6.263

44194_4195	44194	4195	0.631	0.953	-0.002	0.031	-0.042	66.174
44195_4195	44195	4195	-0.631	-0.953	0.001	0.034	0.042	-66.174
44195_4196	44195	4196	0.631	17.305	-0.001	-0.034	-0.054	-25.583
44196_4196	44196	4196	-0.631	16.676	-0.001	-0.024	0.054	25.773
44196_4197	44196	4197	0.631	1.221	0.001	0.024	-0.046	59.235
44197_4197	44197	4197	-0.631	-1.221	-0.001	0.03	0.046	-59.235
44197_4198	44197	4198	0.631	19.118	0.001	-0.03	-0.032	-52.643
44198_4198	44198	4198	-0.631	16.649	0.003	0.007	0.032	52.642
44198_4199	44198	4199	0.631	5.723	-0.003	-0.007	-0.075	22.48
44199_4199	44199	4199	-0.631	-5.723	0.003	-0.004	0.075	-22.48
44199_4200	44199	4200	0.631	19.146	-0.003	0.004	-0.104	-80.112
44200_4200	44200	4200	-0.631	16.832	-0.003	0.005	0.104	79.971
44200_4201	44200	4201	0.631	2.27	0.003	-0.005	-0.072	5.515
44201_4201	44201	4201	-0.638	2.512	-0.007	-0.002	0.221	-8.726
44201_4202	44201	4202	0.638	19.889	0.007	0.002	-0.131	-106.404
44202_4202	44202	4202	-0.638	20.727	0.012	0	0.131	106.405
44202_4203	44202	4203	0.638	0.406	-0.012	0	-0.286	20.611
44203_4203	44203	4203	-0.638	-0.406	0.012	0	0.286	-20.611
44203_4204	44203	4204	0.638	21.539	-0.012	0	-0.441	-116.558
44204_4204	44204	4204	-0.638	22.183	-0.005	0.002	0.441	116.558
44204_4205	44204	4205	0.638	-6.122	0.005	-0.002	-0.393	17.903
44205_4205	44205	4205	-0.638	6.122	-0.005	-0.012	0.393	-17.903
44205_4206	44205	4206	0.638	6.98	0.005	0.012	-0.357	14.577
44206_4206	44206	4206	-0.638	-6.98	-0.005	0.007	0.357	-14.577
44206_4207	44206	4207	0.638	20.083	0.005	-0.007	-0.314	-90.303
44207_4207	44207	4207	-0.637	20.752	-0.043	-0.018	0.314	90.3
44207_4208	44207	4208	0.637	-7.227	0.043	0.018	0.028	21.623
44208_4208	44208	4208	-0.637	7.227	-0.044	0.009	-0.028	-21.623
44208_4209	44208	4209	0.637	6.298	0.044	-0.009	0.377	25.339
44209_4209	44209	4209	-0.637	-6.298	-0.044	0.009	-0.377	-25.339
44209_4210	44209	4210	0.637	19.823	0.044	-0.009	0.726	-79.155
44210_4210	44210	4210	-0.645	20.229	-0.011	-0.001	-0.726	79.023
44210_4211	44210	4211	0.645	-10.085	0.011	0.001	0.791	11.929
44211_4211	44211	4211	-0.645	10.085	-0.011	0	-0.791	-11.929
44211_4212	44211	4212	0.645	0.041	0.011	0	0.855	42.014
44212_4212	44212	4212	-0.645	-0.041	-0.011	-0.001	-0.855	-42.014
44212_4213	44212	4213	0.645	10.185	0.011	0.001	0.919	11.332
44213_4213	44213	4213	-0.645	-10.185	-0.011	-0.001	-0.919	-11.332
44213_4214	44213	4214	0.645	20.329	0.011	0.001	0.984	-80.218
44214_4214	44214	4214	-0.637	19.808	0.035	-0.001	-0.984	80.35
44214_4215	44214	4215	0.637	-6.284	-0.035	0.001	0.704	24.026
44215_4215	44215	4215	-0.637	6.284	0.035	-0.001	-0.704	-24.026
44215_4216	44215	4216	0.637	7.241	-0.035	0.001	0.425	20.195
44216_4216	44216	4216	-0.637	-7.241	0.035	-0.001	-0.425	-20.195
44216_4217	44216	4217	0.637	20.766	-0.035	0.001	0.145	-91.843
44217_4217	44217	4217	-0.644	19.851	-0.002	0.005	-0.145	91.948
44217_4218	44217	4218	0.644	-6.749	0.002	-0.005	0.164	11.136
44218_4218	44218	4218	-0.644	6.749	-0.002	-0.009	-0.164	-11.136
44218_4219	44218	4219	0.644	6.353	0.002	0.009	0.177	12.67
44219_4219	44219	4219	-0.644	-6.353	-0.002	0.004	-0.177	-12.67
44219_4220	44219	4220	0.644	22.414	0.002	-0.004	0.199	-123.984
44220_4220	44220	4220	-0.583	22.331	0.086	0	-0.199	123.971
44220_4221	44220	4221	0.583	-1.2	-0.086	0	-0.876	23.1
44221_4221	44221	4221	-0.583	1.2	0.086	0	0.876	-23.1
44221_4222	44221	4222	0.583	19.931	-0.086	0	-1.951	-93.971

44222_4222	44222	4222	-0.579	14.732	-0.551	0.007	1.951	93.843
44222_4223	44222	4223	0.579	7.667	0.551	-0.007	5.344	-47.036
44223_4223	44223	4223	-0.452	2.799	0.003	-0.009	-0.119	-31.001
44223_4224	44223	4224	0.452	17.904	-0.003	0.009	0.083	-57.745
44224_4224	44224	4224	-0.453	21.303	0.014	0.011	-0.083	57.603
44224_4225	44224	4225	0.453	-6.781	-0.014	-0.011	-0.036	58.122
44225_4225	44225	4225	-0.453	6.781	0.015	-0.005	0.036	-58.122
44225_4226	44225	4226	0.453	20.869	-0.015	0.005	-0.266	-52.409
44226_4226	44226	4226	-0.453	21.482	-0.003	0.231	0.266	52.351
44226_4227	44226	4227	0.453	-0.388	0.003	-0.231	-0.231	78.564
44227_4227	44227	4227	-0.453	0.388	0	-0.229	0.231	-78.564
44227_4228	44227	4228	0.453	20.709	0	0.229	-0.229	-43.093
44228_4228	44228	4228	-0.453	20.87	0.013	0.001	0.229	43.216
44228_4229	44228	4229	0.453	0.232	-0.013	-0.001	-0.38	80.364
44229_4229	44229	4229	-0.453	-0.232	0.013	0.001	0.38	-80.364
44229_4230	44229	4230	0.453	21.333	-0.013	-0.001	-0.532	-48.768
44230_4230	44230	4230	-0.452	20.757	-0.006	0.301	0.532	48.794
44230_4231	44230	4231	0.452	0.785	0.006	-0.301	-0.453	73.294
44231_4231	44231	4231	-0.452	-0.785	-0.003	-0.3	0.453	-73.294
44231_4232	44231	4232	0.452	22.316	0.003	0.3	-0.42	-67.856
44232_4232	44232	4232	-0.449	21.065	0.013	-0.029	0.42	68.064
44232_4233	44232	4233	0.449	0.047	-0.013	0.029	-0.58	57.858
44233_4233	44233	4233	-0.449	-0.047	0.013	0.026	0.58	-57.858
44233_4234	44233	4234	0.449	21.211	-0.013	-0.026	-0.736	-69.816
44234_4234	44234	4234	-0.448	16.898	-0.053	0.059	0.736	69.842
44234_4235	44234	4235	0.448	2.115	0.053	-0.059	-0.16	9.919
44235_4235	44235	4235	-0.465	1.96	-0.285	-0.082	2.357	-8.131
44235_4236	44235	4236	0.465	16.629	0.285	0.082	0.472	-64.678
44236_4236	44236	4236	-0.487	17.295	0.189	-0.004	-0.472	64.761
44236_4237	44236	4237	0.487	1.538	-0.189	0.004	-1.428	14.479
44237_4237	44237	4237	-0.487	-1.538	0.189	-0.01	1.428	-14.479
44237_4238	44237	4238	0.487	21.515	-0.189	0.01	-3.446	-108.493
44238_4238	44238	4238	-0.441	23.989	-0.166	0.127	3.446	108.576
44238_4239	44238	4239	0.441	-0.373	0.166	-0.127	-1.351	45.047
44239_4239	44239	4239	-0.442	0.373	-0.163	-0.149	1.351	-45.047
44239_4240	44239	4240	0.442	21.883	0.163	0.149	0.59	-82.774
44240_4240	44240	4240	-0.454	20.215	-0.057	-0.002	-0.59	82.741
44240_4241	44240	4241	0.454	-2.114	0.057	0.002	1.141	25.176
44241_4241	44241	4241	-0.454	2.114	-0.057	0	-1.141	-25.176
44241_4242	44241	4242	0.454	16.512	0.057	0	1.708	-46.428
44242_4242	44242	4242	-0.445	17.922	-0.066	-0.009	-1.708	46.517
44242_4243	44242	4243	0.445	0.892	0.066	0.009	2.374	39.038
44243_4243	44243	4243	-0.445	-0.892	-0.067	0.016	-2.374	-39.038
44243_4244	44243	4244	0.445	18.842	0.067	-0.016	3.013	-55.541
44244_4244	44244	4244	-0.452	18.615	0.047	0.127	-3.013	55.427
44244_4245	44244	4245	0.452	-1.331	-0.047	-0.127	2.579	36.628
44245_4245	44245	4245	-0.451	1.331	0.05	-0.105	-2.579	-36.628
44245_4246	44245	4246	0.451	18.125	-0.05	0.105	2.061	-50.62
44246_4246	44246	4246	-0.409	16.653	-0.103	0.005	-2.061	50.586
44246_4247	44246	4247	0.409	2.371	0.103	-0.005	3.108	21.961
44247_4247	44247	4247	-0.409	-2.371	-0.103	0.001	-3.108	-21.961
44247_4248	44247	4248	0.409	20.079	0.103	-0.001	4.083	-84.184
44248_4248	44248	4248	-0.299	21.665	0.352	0.257	-4.083	84.895
44248_4249	44248	4249	0.299	3.374	-0.352	-0.257	-0.617	37.395
44249_4249	44249	4249	-0.294	-3.374	0.356	-0.304	0.617	-37.395

44249_4250	44249	4250	0.294	24.213	-0.356	0.304	-4.579	-116.103
44250_4250	44250	4250	-0.182	22.516	-0.176	-0.005	4.579	116.311
44250_4251	44250	4251	0.182	1.806	0.176	0.005	-2.297	18.18
44251_4251	44251	4251	-0.182	-1.806	-0.176	0.004	2.297	-18.18
44251_4252	44251	4252	0.182	17.975	0.176	-0.004	-0.779	-67.226
44252_4252	44252	4252	-0.19	15.726	-0.036	-0.031	0.779	67.193
44252_4253	44252	4253	0.19	6.149	0.036	0.031	-0.354	-11.259
44253_4253	44253	4253	-0.19	-6.149	-0.035	0.036	0.354	11.259
44253_4254	44253	4254	0.19	24.761	0.035	-0.036	-0.004	-164.863
44254_4254	44254	4254	0.017	23.501	-0.013	-0.008	0.391	51.59
44254_4255	44254	4255	-0.017	1.412	0.013	0.008	-0.228	87.638
44255_4255	44255	4255	0.017	-1.412	-0.013	0.041	0.228	-87.638
44255_4256	44255	4256	-0.017	24.91	0.013	-0.041	-0.074	-68.853
44256_4256	44256	4256	0.017	23.976	0.02	0.307	0.074	69.088
44256_4257	44256	4257	-0.017	-1.551	-0.02	-0.307	-0.3	75.742
44257_4257	44257	4257	0.017	1.551	0.02	-0.265	0.3	-75.742
44257_4258	44257	4258	-0.017	21.591	-0.02	0.265	-0.531	-41.592
44258_4258	44258	4258	0.017	22.639	0.009	0.047	0.531	41.612
44258_4259	44258	4259	-0.017	0.359	-0.009	-0.047	-0.64	88.026
44259_4259	44259	4259	0.017	-0.359	0.009	-0.018	0.64	-88.026
44259_4260	44259	4260	-0.017	22.921	-0.009	0.018	-0.746	-44.858
44260_4260	44260	4260	0.017	22.166	0.005	0.468	0.746	44.803
44260_4261	44260	4261	-0.017	0.695	-0.005	-0.468	-0.799	79.381
44261_4261	44261	4261	0.017	-0.695	0.004	-0.453	0.799	-79.381
44261_4262	44261	4262	-0.017	23.372	-0.004	0.453	-0.849	-58.705
44262_4262	44262	4262	0.018	22.644	0.02	-0.001	0.849	58.831
44262_4263	44262	4263	-0.018	2.449	-0.02	0.001	-1.107	69.377
44263_4263	44263	4263	0.018	-2.449	0.02	0.002	1.107	-69.377
44263_4264	44263	4264	-0.018	25.165	-0.02	-0.002	-1.341	-89.33
44264_4264	44264	4264	0.016	23.727	-0.032	0.104	1.341	89.41
44264_4265	44264	4265	-0.016	1.598	0.032	-0.104	-0.935	52.379
44265_4265	44265	4265	0.016	-1.598	-0.032	-0.138	0.935	-52.379
44265_4266	44265	4266	-0.016	25.021	0.032	0.138	-0.559	-105.368
44266_4266	44266	4266	0.172	26.421	11.097	-6.916	-213.858	270.392
44266_4267	44266	4267	-0.172	-5.857	-11.097	6.916	98.394	-102.462
44267_4267	44267	4267	0.173	5.857	11.097	-6.911	-98.394	102.462
44267_4268	44267	4268	-0.173	12.146	-11.097	6.911	-2.695	-131.109
44268_4268	44268	4268	0.02	23.236	-0.201	-0.02	2.695	131.012
44268_4269	44268	4269	-0.02	3.52	0.201	0.02	-0.011	0.364
44269_4269	44269	4269	0.018	-3.52	-0.202	-0.024	0.011	-0.364
44269_4270	44269	4270	-0.018	24.807	0.202	0.024	2.126	-149.799
44270_4270	44270	4270	-0.058	30.445	0.088	-0.019	-2.126	149.456
44270_4271	44270	4271	0.058	-2.801	-0.088	0.019	0.915	79.415
44271_4271	44271	4271	-0.058	2.801	0.088	-0.006	-0.915	-79.415
44271_4272	44271	4272	0.058	18.1	-0.088	0.006	0	-0.217
44372_4372	44372	4372	-0.05	14.351	-0.253	0.009	0	0.17
44372_4373	44372	4373	0.05	4.141	0.253	-0.009	3.135	63.006
44373_4373	44373	4373	-0.05	-4.141	-0.253	-0.023	-3.135	-63.006
44373_4374	44373	4374	0.05	21.845	0.253	0.023	6.137	-90.946
44374_4374	44374	4374	-0.03	17.984	0.444	0.003	-6.137	90.686
44374_4375	44374	4375	0.03	-0.585	-0.444	-0.003	0.971	17.43
44375_4375	44375	4375	-0.029	0.585	0.444	-0.007	-0.971	-17.43
44375_4376	44375	4376	0.029	14.795	-0.444	0.007	-3.596	-55.7
44376_4376	44376	4376	-0.02	15.918	-0.198	0.163	3.596	55.925
44376_4377	44376	4377	0.02	1.026	0.198	-0.163	-1.347	28.515

44377_4377	44377	4377	-0.023	-1.026	-0.198	-0.181	1.347	-28.515
44377_4378	44377	4378	0.023	17.63	0.198	0.181	0.855	-75.137
44378_4378	44378	4378	-0.139	17.478	0.108	-0.012	-0.855	75.092
44378_4379	44378	4379	0.139	0.154	-0.108	0.012	-0.414	27.126
44379_4379	44379	4379	-0.139	-0.154	0.107	-0.003	0.414	-27.126
44379_4380	44379	4380	0.139	18.424	-0.107	0.003	-1.729	-86.455
44380_4380	44380	4380	-0.152	16.135	-0.165	-0.014	1.729	86.539
44380_4381	44380	4381	0.152	0.14	0.165	0.014	0.068	0.573
44381_4381	44381	4381	-0.153	-0.14	-0.164	-0.018	-0.068	-0.572
44381_4382	44381	4382	0.153	14.73	0.164	0.018	1.668	-72.031
44382_4382	44382	4382	-0.144	16.859	0.074	-0.007	-1.668	71.837
44382_4383	44382	4383	0.144	0.57	-0.074	0.007	0.803	23.167
44383_4383	44383	4383	-0.144	-0.57	0.074	-0.018	-0.803	-23.167
44383_4384	44383	4384	0.144	18.031	-0.074	0.018	-0.065	-85.517
44384_4384	44384	4384	-0.118	16.218	-0.02	0.009	0.377	41.978
44384_4385	44384	4385	0.118	2.31	0.02	-0.009	-0.125	44.98
44385_4385	44385	4385	-0.118	-2.31	-0.02	-0.016	0.125	-44.98
44385_4386	44385	4386	0.118	17.443	0.02	0.016	0.08	-55.891
44386_4386	44386	4386	-0.113	18.652	0.003	0.275	-0.08	56.204
44386_4387	44386	4387	0.113	-0.944	-0.003	-0.275	0.04	60.893
44387_4387	44387	4387	-0.113	0.944	0.004	-0.256	-0.04	-60.893
44387_4388	44387	4388	0.113	17.21	-0.004	0.256	-0.014	-38.753
44388_4388	44388	4388	-0.11	18.301	0	0.006	0.014	39.249
44388_4389	44388	4389	0.11	0.568	0	-0.006	-0.01	73.662
44389_4389	44389	4389	-0.11	-0.568	0	0.021	0.01	-73.662
44389_4390	44389	4390	0.11	17.566	0	-0.021	-0.007	-30.345
44390_4390	44390	4390	-0.11	18.126	0.013	0.316	0.007	30.273
44390_4391	44390	4391	0.11	1.381	-0.013	-0.316	-0.174	79.954
44391_4391	44391	4391	-0.11	-1.381	0.014	-0.338	0.174	-79.954
44391_4392	44391	4392	0.11	17.737	-0.014	0.338	-0.323	-25.559
44392_4392	44392	4392	-0.11	17.681	-0.041	0.035	0.323	25.594
44392_4393	44392	4393	0.11	0.69	0.041	-0.035	0.182	79.734
44393_4393	44393	4393	-0.11	-0.69	-0.041	0.005	-0.182	-79.734
44393_4394	44393	4394	0.11	18.178	0.041	-0.005	0.663	-31.607
44394_4394	44394	4394	-0.107	18.286	0.145	0.423	-0.663	31.394
44394_4395	44394	4395	0.107	-0.705	-0.145	-0.423	-1.061	81.27
44395_4395	44395	4395	-0.106	0.705	0.146	-0.365	1.061	-81.27
44395_4396	44395	4396	0.106	17.564	-0.146	0.365	-2.866	-22.659
44396_4396	44396	4396	-0.106	14.653	-0.515	0.007	2.866	23.018
44396_4397	44396	4397	0.106	3.264	0.515	-0.007	3.362	45.841
44397_4397	44397	4397	-0.106	-3.264	-0.515	0.026	-3.362	-45.841
44397_4398	44397	4398	0.106	21.209	0.515	-0.026	9.6	-102.35
44398_4398	44398	4398	-0.099	25.711	0.318	0.243	-9.6	102.088
44398_4399	44398	4399	0.099	-6.948	-0.318	-0.243	5.568	104.691
44399_4399	44399	4399	-0.098	6.948	0.319	-0.106	-5.568	-104.691
44399_4400	44399	4400	0.098	11.756	-0.319	0.106	1.545	74.341
44400_4400	44400	4400	-0.098	-11.756	0.319	-0.173	-1.545	-74.341
44400_4401	44400	4401	0.098	18.935	-0.319	0.173	0	-0.007
44572_4572	44572	4572	-0.02	14.426	-0.142	0.006	0	0.003
44572_4573	44572	4573	0.02	4.074	0.142	-0.006	1.754	64.088
44573_4573	44573	4573	-0.02	-4.074	-0.142	-0.017	-1.754	-64.088
44573_4574	44573	4574	0.02	21.648	0.142	0.017	3.421	-87.184
44574_4574	44574	4574	-0.026	17.516	0.077	0.001	-3.421	87.292
44574_4575	44574	4575	0.026	-0.399	-0.077	-0.001	2.539	15.321
44575_4575	44575	4575	-0.026	0.399	0.077	-0.005	-2.539	-15.321

44575_4576	44575	4576	0.026	14.82	-0.077	0.005	1.755	-58.118
44576_4576	44576	4576	-0.031	16.124	0.209	0.181	-1.755	58.201
44576_4577	44576	4577	0.031	0.87	-0.209	-0.181	-0.625	28.546
44577_4577	44577	4577	-0.028	-0.87	0.21	-0.188	0.625	-28.546
44577_4578	44577	4578	0.028	17.754	-0.21	0.188	-2.994	-76.684
44578_4578	44578	4578	0.088	17.385	-0.111	-0.021	2.994	76.696
44578_4579	44578	4579	-0.088	-0.05	0.111	0.021	-1.704	24.447
44579_4579	44579	4579	0.088	0.05	-0.111	-0.005	1.704	-24.447
44579_4580	44579	4580	-0.088	18.397	0.111	0.005	-0.333	-88.804
44580_4580	44580	4580	0.079	16.318	-0.067	-0.013	0.333	88.825
44580_4581	44580	4581	-0.079	-0.096	0.067	0.013	0.4	0.28
44581_4581	44581	4581	0.078	0.096	-0.068	-0.015	-0.4	-0.28
44581_4582	44581	4582	-0.078	14.451	0.068	0.015	1.061	-69.594
44582_4582	44582	4582	0.076	16.954	0.032	0.005	-1.061	69.719
44582_4583	44582	4583	-0.076	0.162	-0.032	-0.005	0.7	26.459
44583_4583	44583	4583	0.076	-0.162	0.031	-0.017	-0.7	-26.459
44583_4584	44583	4584	-0.076	17.77	-0.031	0.017	0.329	-79.203
44584_4584	44584	4584	0.06	16.129	0.007	0.007	-0.088	38.57
44584_4585	44584	4585	-0.06	2.254	-0.007	-0.007	0.006	47.503
44585_4585	44585	4585	0.06	-2.254	0.007	0.001	-0.006	-47.503
44585_4586	44585	4586	-0.06	17.437	-0.007	-0.001	-0.063	-53.381
44586_4586	44586	4586	0.056	18.549	0	0.234	0.063	53.04
44586_4587	44586	4587	-0.056	-1.058	0	-0.234	-0.063	62.683
44587_4587	44587	4587	0.056	1.058	0	-0.204	0.063	-62.683
44587_4588	44587	4588	-0.056	17.208	0	0.204	-0.058	-36.859
44588_4588	44588	4588	0.054	18.202	-0.002	-0.03	0.058	36.482
44588_4589	44588	4589	-0.054	0.495	0.002	0.03	-0.035	75.229
44589_4589	44589	4589	0.054	-0.495	-0.002	0.065	0.035	-75.229
44589_4590	44589	4590	-0.054	17.542	0.002	-0.065	-0.015	-28.525
44590_4590	44590	4590	0.053	18.041	0.003	0.304	0.015	28.677
44590_4591	44590	4591	-0.053	1.355	-0.003	-0.304	-0.055	80.534
44591_4591	44591	4591	0.053	-1.355	0.003	-0.321	0.055	-80.534
44591_4592	44591	4592	-0.053	17.718	-0.003	0.321	-0.084	-24.773
44592_4592	44592	4592	0.054	17.679	0.014	-0.012	0.084	24.814
44592_4593	44592	4593	-0.054	0.441	-0.014	0.012	-0.252	80.583
44593_4593	44593	4593	0.054	-0.441	0.014	0.051	0.252	-80.583
44593_4594	44593	4594	-0.054	18.069	-0.014	-0.051	-0.416	-29.519
44594_4594	44594	4594	0.057	17.859	-0.062	0.341	0.416	29.05
44594_4595	44594	4595	-0.057	-0.267	0.062	-0.341	0.316	78.549
44595_4595	44595	4595	0.056	0.267	-0.062	-0.297	-0.316	-78.549
44595_4596	44595	4596	-0.056	17.884	0.062	0.297	1.077	-29.348
44596_4596	44596	4596	0.058	15.739	0.256	-0.01	-1.077	29.235
44596_4597	44596	4597	-0.058	2.157	-0.256	0.01	-2.02	52.786
44597_4597	44597	4597	0.058	-2.157	0.256	0.041	2.02	-52.786
44597_4598	44597	4598	-0.058	20.002	-0.256	-0.041	-5.108	-80.641
44598_4598	44598	4598	0.054	22.86	-0.191	0.161	5.108	80.793
44598_4599	44598	4599	-0.054	-4.135	0.191	-0.161	-2.699	89.771
44599_4599	44599	4599	0.053	4.135	-0.191	-0.108	2.699	-89.771
44599_4600	44599	4600	-0.053	14.497	0.191	0.108	-0.299	24.624
44600_4600	44600	4600	0.053	-14.497	-0.191	-0.148	0.299	-24.623
44600_4601	44600	4601	-0.053	16.82	0.191	0.148	0	0.082
45000_5000	45000	5000	6.76	451.419	-0.42	4.69	0	35.987
45000_5001	45000	5001	-6.76	-414.318	0.42	-4.69	5.341	5471.289
45001_5001	45001	5001	6.759	414.318	-0.429	-2.661	-5.341	-5471.29
45001_5002	45001	5002	-6.759	-385.491	0.429	2.661	9.581	9424.686

45002_5002	45002	5002	6.767	337.561	0.637	10.977	-9.581	-9424.81
45002_5003	45002	5003	-6.767	-302.147	-0.637	-10.977	1.841	13309.29
45003_5003	45003	5003	6.768	302.147	0.627	-9.338	-1.841	-13309.3
45003_5004	45003	5004	-6.768	-266.769	-0.627	9.338	-5.765	16760.34
45004_5004	45004	5004	6.765	220.929	0.46	9.176	5.765	-16760.6
45004_5005	45004	5005	-6.765	-185.53	-0.46	-9.176	-11.353	19227.67
45005_5005	45005	5005	6.765	185.53	0.454	-8.543	11.353	-19227.7
45005_5006	45005	5006	-6.765	-150.105	-0.454	8.543	-16.87	21266.32
45006_5006	45006	5006	6.763	101.909	-0.092	18.221	16.87	-21266.6
45006_5007	45006	5007	-6.763	-66.518	0.092	-18.221	-15.757	22288.68
45007_5007	45007	5007	6.763	66.518	-0.103	-18.223	15.757	-22288.7
45007_5008	45007	5008	-6.763	-31.133	0.103	18.223	-14.511	22881.15
45008_5008	45008	5008	6.769	-15.612	0.614	18.057	14.511	-22881.4
45008_5009	45008	5009	-6.769	51.022	-0.614	-18.057	-21.969	22476.81
45009_5009	45009	5009	6.77	-51.022	0.603	-18.687	21.969	-22476.8
45009_5010	45009	5010	-6.77	86.425	-0.603	18.687	-29.291	21642.47
45010_5010	45010	5010	6.767	-133.207	-0.092	-0.598	29.291	-21642.9
45010_5011	45010	5011	-6.767	168.602	0.092	0.598	-28.18	19811.18
45011_5011	45011	5011	6.767	-168.602	-0.092	-0.598	28.18	-19811.2
45011_5012	45011	5012	-6.767	203.998	0.092	0.598	-27.069	17549.85
45012_5012	45012	5012	6.769	-249.058	0.21	4.341	27.069	-17550.2
45012_5013	45012	5013	-6.769	284.472	-0.21	-4.341	-29.624	14310.43
45013_5013	45013	5013	6.769	-284.472	0.206	-5.983	29.624	-14310.4
45013_5014	45013	5014	-6.769	319.854	-0.206	5.983	-32.117	10644.17
45014_5014	45014	5014	6.772	-367.097	0.583	1.423	32.117	-10644.3
45014_5015	45014	5015	-6.772	414.187	-0.583	-1.423	-41.534	4335.936
45015_5015	45015	5015	11.476	-414.084	0.578	-2.529	41.508	-4331.74
45015_5016	45015	5016	-11.731	436.574	-0.578	2.529	-46.282	820.559
45016_5016	45016	5016	23.451	-478.453	-0.288	-1.705	55.351	-1561.13
45016_5017	45016	5017	-24.504	510.539	0.288	1.705	-51.965	-4249.56
45017_5017	45017	5017	38.782	-509.654	-0.295	0.683	52.131	4249.555
45017_5018	45017	5018	-41.149	548.547	0.295	-0.683	-48.208	-11278.7
45018_5018	45018	5018	60.485	-590.431	-0.022	-8.823	47.481	11278.63
45018_5019	45018	5019	-63.917	628.877	0.022	8.823	-47.2	-18919.1
45019_5019	45019	5019	81.168	-626.884	-0.03	8.14	49.076	18919.12
45019_5020	45019	5020	-85.963	667.853	0.03	-8.14	-48.699	-27066.9
45020_5020	45020	5020	-2503.3	210.831	-15.092	-1.825	373.738	5846.029
45020_5021	45020	5021	2503.303	-184.269	15.092	1.825	-230.42	-3970.09
45021_5021	45021	5021	-2503.31	184.269	-14.695	-1.195	230.42	3970.092
45021_5022	45021	5022	2503.306	-164.683	14.695	1.195	-116.453	-2616.92
45022_5022	45022	5022	-2503.32	164.683	-11.831	1.799	116.453	2616.922
45022_5023	45022	5023	2503.321	-145.126	11.831	-1.799	-24.823	-1417.25
45023_5023	45023	5023	-2503.35	100.876	-6.172	0.159	24.823	1417.244
45023_5024	45023	5024	2503.346	-80.663	6.172	-0.159	24.582	-690.705
45024_5024	45024	5024	-2503.34	80.663	-9.615	-0.791	-24.582	690.704
45024_5025	45024	5025	2503.335	-60.473	9.615	0.791	101.456	-126.491
45025_5025	45025	5025	-2503.35	60.473	-3.062	-0.46	-101.456	126.493
45025_5026	45025	5026	2503.351	-40.262	3.062	0.46	125.959	276.606
45026_5026	45026	5026	-2503.36	-7.076	-2.439	-0.48	-125.959	-276.606
45026_5027	45026	5027	2503.355	22.233	2.439	0.48	140.597	188.649
45027_5027	45027	5027	-2503.35	-22.233	-2.87	-0.448	-140.597	-188.649
45027_5028	45027	5028	2503.354	37.365	2.87	0.448	157.797	10.089
45028_5028	45028	5028	-2503.36	-37.365	-2.439	-0.45	-157.797	-10.089
45028_5029	45028	5029	2503.355	52.522	2.439	0.45	172.435	-259.667
45029_5029	45029	5029	-2503.36	-52.522	1.71	-0.019	-172.435	259.668

45029_5030	45029	5030	2503.355	67.677	-1.71	0.019	162.171	-620.329
45030_5030	45030	5030	-2503.37	-114.709	1.127	-1.663	-162.171	620.302
45030_5031	45030	5031	2503.365	134.915	-1.127	1.663	153.153	-1618.94
45031_5031	45031	5031	-2503.36	-134.915	4.24	0.351	-153.153	1618.936
45031_5032	45031	5032	2503.362	155.117	-4.24	-0.351	119.232	-2779.08
45032_5032	45032	5032	-2503.36	-155.117	4.24	0.351	-119.232	2779.078
45032_5033	45032	5033	2503.362	175.32	-4.24	-0.351	85.31	-4100.84
45033_5033	45033	5033	-2503.32	-220.325	12.244	-2.702	-85.31	4100.95
45033_5034	45033	5034	2503.315	239.89	-12.244	2.702	-9.547	-5883.68
45034_5034	45034	5034	-2503.32	-239.89	12.244	-2.702	9.547	5883.679
45034_5035	45034	5035	2503.315	259.454	-12.244	2.702	-104.405	-7817.98
45035_5035	45035	5035	-2503.3	-259.454	14.754	5.137	104.405	7817.98
45035_5036	45035	5036	2503.302	285.957	-14.754	-5.137	-244.194	-10401.8
45036_5036	45036	5036	102.839	554.772	0.763	-30.588	0.168	33012.78
45036_5037	45036	5037	-98.044	-513.727	-0.763	30.588	-9.797	-26276.8
45037_5037	45037	5037	83.937	516.22	0.679	27.605	3.746	26276.84
45037_5038	45037	5038	-80.505	-477.714	-0.679	-27.605	-12.272	-20039.5
45038_5038	45038	5038	64.73	441.222	-0.256	-5.108	15.013	20040.22
45038_5039	45038	5039	-62.363	-402.375	0.256	5.108	-11.621	-14443.6
45039_5039	45039	5039	68.517	321.616	-0.45	2.239	13.465	2983.264
45039_5040	45039	5040	-67.476	-289.871	0.45	-2.239	-8.18	610.508
45040_5040	45040	5040	60.784	249.393	0.011	1.323	8.234	-610.488
45040_5041	45040	5041	-60.534	-227.372	-0.011	-1.323	-8.327	2575.818
45041_5041	45041	5041	57.944	228.045	-0.028	-0.496	8.342	-2575.82
45041_5042	45041	5042	-57.944	-190.412	0.028	0.496	-7.908	5865.782
45042_5042	45042	5042	57.946	145.641	0.078	-0.015	7.908	-5865.86
45042_5043	45042	5043	-57.946	-117.098	-0.078	0.015	-8.842	7432.615
45043_5043	45043	5043	57.946	117.098	0.078	-0.015	8.842	-7432.62
45043_5044	45043	5044	-57.946	-88.554	-0.078	0.015	-9.776	8658.946
45044_5044	45044	5044	57.946	43.594	-0.071	-0.358	9.776	-8659.09
45044_5045	45044	5045	-57.946	-15.032	0.071	0.358	-8.934	9008.899
45045_5045	45045	5045	57.946	15.032	-0.066	0.288	8.934	-9008.9
45045_5046	45045	5046	-57.946	13.505	0.066	-0.288	-8.142	9018.003
45046_5046	45046	5046	57.947	-58.679	0.167	6.489	8.142	-9018.12
45046_5047	45046	5047	-57.947	87.236	-0.167	-6.489	-10.134	8147.596
45047_5047	45047	5047	57.948	-87.236	0.074	-6.56	10.134	-8147.6
45047_5048	45047	5048	-57.948	115.766	-0.074	6.56	-11.017	6937.667
45048_5048	45048	5048	57.947	-160.33	-0.148	4.023	11.017	-6937.75
45048_5049	45048	5049	-57.947	188.882	0.148	-4.023	-9.253	4854.792
45049_5049	45049	5049	57.946	-188.882	-0.245	-4.09	9.253	-4854.79
45049_5050	45049	5050	-57.946	217.429	0.245	4.09	-6.334	2431.576
45050_5050	45050	5050	57.95	-262.21	0.378	-0.765	6.334	-2431.6
45050_5051	45050	5051	-57.95	299.807	-0.378	0.765	-12.274	-1982.77
45051_5051	45051	5051	61.352	-299.13	0.296	1.89	12.296	1982.766
45051_5052	45051	5052	-61.583	319.488	-0.296	-1.89	-14.743	-4536.17
45052_5052	45052	5052	69.816	-360.585	-0.037	-6.308	14.521	4536.126
45052_5053	45052	5053	-70.776	389.836	0.037	6.308	-14.092	-8944.73
45053_5053	45053	5053	84.254	-393.289	-0.147	10.32	23.124	9428.828
45053_5054	45053	5054	-86.549	430.836	0.147	-10.32	-21.168	-14896
45054_5054	45054	5054	102.267	-469.214	-0.209	-16.07	19.144	14895.82
45054_5055	45054	5055	-105.584	506.34	0.209	16.07	-16.523	-21017.5
45055_5055	45055	5055	119.53	-503.23	-0.305	16.778	19.978	21017.54
45055_5056	45055	5056	-124.148	542.609	0.305	-16.778	-16.143	-27597.8
45056_5056	45056	5056	-2259.35	247.97	-10.616	-0.124	232.612	7969.358
45056_5057	45056	5057	2259.352	-222.238	10.616	0.124	-131.829	-5737.36

45057_5057	45057	5057	-2259.35	222.238	-11.519	-2.197	131.829	5694.24
45057_5058	45057	5058	2259.347	-201.694	11.519	2.197	-42.564	-4051.6
45058_5058	45058	5058	-2259.36	201.694	-8.61	3.019	42.564	4051.601
45058_5059	45058	5059	2259.36	-181.152	8.61	-3.019	24.155	-2568.3
45059_5059	45059	5059	-2259.36	138.826	-8.568	-2.339	-24.155	2568.301
45059_5060	45059	5060	2259.358	-117.592	8.568	2.339	92.781	-1541.4
45060_5060	45060	5060	-2259.37	117.592	-3.13	1.372	-92.781	1541.4
45060_5061	45060	5061	2259.372	-96.389	3.13	-1.372	117.813	-685.664
45061_5061	45061	5061	-2259.37	96.389	-3.13	1.372	-117.813	685.664
45061_5062	45061	5062	2259.372	-75.185	3.13	-1.372	142.845	0.481
45062_5062	45062	5062	-2259.38	30.455	-1.653	0.317	-142.845	-0.429
45062_5063	45062	5063	2259.378	-14.54	1.653	-0.317	152.769	135.488
45063_5063	45063	5063	-2259.38	14.54	-1.904	0.332	-152.769	-135.488
45063_5064	45063	5064	2259.378	1.349	1.904	-0.332	164.182	175.018
45064_5064	45064	5064	-2259.38	-1.349	2.102	0.022	-164.182	-175.019
45064_5065	45064	5065	2259.378	17.262	-2.102	-0.022	151.562	119.163
45065_5065	45065	5065	-2259.38	-17.262	2.102	0.022	-151.562	-119.163
45065_5066	45065	5066	2259.378	33.175	-2.102	-0.022	138.941	-32.215
45066_5066	45066	5066	-2259.38	-77.901	4.113	-0.51	-138.941	32.336
45066_5067	45066	5067	2259.382	99.099	-4.113	0.51	106.05	-740.005
45067_5067	45067	5067	-2259.38	-99.099	4.113	-0.51	-106.05	740.005
45067_5068	45067	5068	2259.382	120.297	-4.113	0.51	73.158	-1617.18
45068_5068	45068	5068	-2259.38	-120.297	7.11	1.635	-73.158	1617.179
45068_5069	45068	5069	2259.375	141.52	-7.11	-1.635	16.239	-2665.19
45069_5069	45069	5069	-2259.36	-183.566	9.082	-5.22	-16.239	2665.29
45069_5070	45069	5070	2259.357	204.098	-9.082	5.22	-54.102	-4166.5
45070_5070	45070	5070	-2259.34	-204.098	12.171	0.476	54.102	4166.499
45070_5071	45070	5071	2259.343	224.654	-12.171	-0.476	-148.478	-5828.83
45071_5071	45071	5071	-2259.34	-224.654	13.515	4.201	148.478	5871.941
45071_5072	45071	5072	2259.335	250.396	-13.515	-4.201	-276.828	-8127.75
45072_5072	45072	5072	122.798	536.236	0.142	-16.66	15.494	27790.91
45072_5073	45072	5073	-118.18	-496.861	-0.142	16.66	-17.28	-21291.5
45073_5073	45073	5073	104.418	499.934	0.047	16.739	13.786	21291.49
45073_5074	45073	5074	-101.101	-462.82	-0.047	-16.739	-14.374	-15252
45074_5074	45074	5074	85.878	429.804	0.61	-0.786	15.884	15252.45
45074_5075	45074	5075	-83.583	-392.246	-0.61	0.786	-23.986	-9797.37
45075_5075	45075	5075	65.15	312.892	-0.209	-1.797	12.508	-2575.78
45075_5076	45075	5076	-64.222	-284.59	0.209	1.797	-10.048	6086.656
45076_5076	45076	5076	57.682	248.302	-0.052	5.542	9.921	-6086.79
45076_5077	45076	5077	-57.459	-228.622	0.052	-5.542	-9.492	8054.708
45077_5077	45077	5077	54.858	229.26	-0.12	-4.566	9.554	-8070.67
45077_5078	45077	5078	-54.858	-193.201	0.12	4.566	-7.845	11082.87
45078_5078	45078	5078	54.859	153.915	0.024	11.501	7.845	-11083
45078_5079	45078	5079	-54.859	-125.556	-0.024	-11.501	-8.115	12650.18
45079_5079	45079	5079	54.859	125.556	-0.074	-11.03	8.115	-12650.2
45079_5080	45079	5080	-54.859	-97.201	0.074	11.03	-7.288	13899.18
45080_5080	45080	5080	54.86	58.004	0.098	13.029	7.288	-13899.3
45080_5081	45080	5081	-54.86	-29.648	-0.098	-13.029	-8.392	14390.78
45081_5081	45081	5081	54.86	29.648	0.001	-12.607	8.392	-14390.8
45081_5082	45081	5082	-54.86	-1.295	-0.001	12.607	-8.399	14564.26
45082_5082	45082	5082	54.86	-39.211	-0.068	0.34	8.399	-14564.6
45082_5083	45082	5083	-54.86	69.663	0.068	-0.34	-7.576	13908.97
45083_5083	45083	5083	54.86	-69.663	-0.07	-0.196	7.576	-13909
45083_5084	45083	5084	-54.86	100.14	0.07	0.196	-6.728	12885.65
45084_5084	45084	5084	54.86	-140.928	-0.066	9.896	6.728	-12885.9

45084_5085	45084	5085	-54.86	169.277	0.066	-9.896	-5.991	11146.97
45085_5085	45085	5085	54.86	-169.277	-0.163	-9.971	5.991	-11147
45085_5086	45085	5086	-54.86	197.623	0.163	9.971	-4.158	9090.447
45086_5086	45086	5086	54.861	-236.266	0.016	5.669	4.158	-9090.5
45086_5087	45086	5087	-54.861	264.613	-0.016	-5.669	-4.335	6282.998
45087_5087	45087	5087	54.861	-264.613	-0.084	-5.76	4.335	-6283
45087_5088	45087	5088	-54.861	292.982	0.084	5.76	-3.392	3155.048
45088_5088	45088	5088	54.863	-331.622	0.223	-1.052	3.392	-3155.11
45088_5089	45088	5089	-54.863	366.317	-0.223	1.052	-6.449	-1633.11
45089_5089	45089	5089	59.024	-365.67	0.153	0.92	6.46	1649.07
45089_5090	45089	5090	-59.26	386.456	-0.153	-0.92	-7.719	-4750.31
45090_5090	45090	5090	68.808	-424.122	-0.207	-11.087	7.348	4750.24
45090_5091	45090	5091	-69.789	454.024	0.207	11.087	-4.912	-9911.07
45091_5091	45091	5091	85.333	-456.86	-0.345	9.332	11.019	10306.46
45091_5092	45091	5092	-87.583	493.789	0.345	-9.332	-6.443	-16613.9
45092_5092	45092	5092	105.032	-531.725	-0.312	-9.663	5.024	16613.77
45092_5093	45092	5093	-108.288	568.245	0.312	9.663	-1.108	-23512.6
45093_5093	45093	5093	123.891	-565.048	-0.36	9.628	3.102	23512.59
45093_5094	45093	5094	-128.432	603.854	0.36	-9.628	1.426	-30869.7
45094_5094	45094	5094	-2450.32	226.151	-6.912	-3.427	91.642	8357.771
45094_5095	45094	5095	2450.32	-200.86	6.912	3.427	-26.009	-6330.52
45095_5095	45095	5095	-2450.32	200.86	-5.914	-0.848	26.009	6330.524
45095_5096	45095	5096	2450.322	-180.8	5.914	0.848	19.847	-4850.82
45096_5096	45096	5096	-2450.33	180.8	-2.853	5.211	-19.847	4850.82
45096_5097	45096	5097	2450.328	-160.766	2.853	-5.211	41.942	-3528.33
45097_5097	45097	5097	-2450.34	120.139	0.1	-0.948	-41.942	3528.294
45097_5098	45097	5098	2450.344	-99.433	-0.1	0.948	41.14	-2649.61
45098_5098	45098	5098	-2450.34	99.433	0.1	-0.948	-41.14	2649.608
45098_5099	45098	5099	2450.344	-78.727	-0.1	0.948	40.338	-1936.65
45099_5099	45099	5099	-2450.34	78.727	3.072	1.401	-40.338	1936.646
45099_5100	45099	5100	2450.342	-58.047	-3.072	-1.401	15.78	-1390.01
45100_5100	45100	5100	-2450.34	14.679	3.579	2.207	-15.78	1390.004
45100_5101	45100	5101	2450.343	0.85	-3.579	-2.207	-5.703	-1348.5
45101_5101	45101	5101	-2450.33	-0.85	7.66	4.453	5.703	1348.492
45101_5102	45101	5102	2450.334	16.378	-7.66	-4.453	-51.678	-1400.19
45102_5102	45102	5102	-2450.33	-16.378	-8.661	-4.874	51.678	1400.191
45102_5103	45102	5103	2450.331	31.909	8.661	4.874	0.317	-1545.13
45103_5103	45103	5103	-2450.34	-31.909	-4.711	-2.383	-0.317	1545.137
45103_5104	45103	5104	2450.341	47.414	4.711	2.383	28.549	-1782.83
45104_5104	45104	5104	-2450.34	-90.955	-3.121	-2.239	-28.549	1782.834
45104_5105	45104	5105	2450.343	111.662	3.121	2.239	53.529	-2593.7
45105_5105	45105	5105	-2450.35	-111.662	-0.153	0.903	-53.529	2593.699
45105_5106	45105	5106	2450.345	132.342	0.153	-0.903	54.75	-3568.94
45106_5106	45106	5106	-2450.35	-132.342	-0.061	1.037	-54.75	3568.937
45106_5107	45106	5107	2450.345	153.049	0.061	-1.037	55.237	-4711.02
45107_5107	45107	5107	-2450.34	-193.832	4.21	-3.415	-55.237	4711.077
45107_5108	45107	5108	2450.337	213.89	-4.21	3.415	22.601	-6291.64
45108_5108	45108	5108	-2450.34	-213.89	4.12	-3.646	-22.601	6291.635
45108_5109	45108	5109	2450.337	233.922	-4.12	3.646	-9.299	-8025.37
45109_5109	45109	5109	-2450.33	-233.922	6.704	4.817	9.299	8025.369
45109_5110	45109	5110	2450.332	259.236	-6.704	-4.817	-73.008	-10368.7
45110_5110	45110	5110	123.129	560.593	0.016	-21.206	6.141	33259.57
45110_5111	45110	5111	-118.589	-521.797	-0.016	21.206	-6.34	-26448.8
45111_5111	45111	5111	104.178	524.864	-0.074	20.228	2.042	26448.78
45111_5112	45111	5112	-100.921	-488.356	0.074	-20.228	-1.108	-20096.2

45112_5112	45112	5112	85.087	457.254	0.122	-3.431	3.116	20096.61
45112_5113	45112	5113	-82.836	-420.31	-0.122	3.431	-4.73	-14272
45113_5113	45113	5113	60.941	339.521	-0.209	1.327	14.621	1832.036
45113_5114	45113	5114	-59.97	-309.908	0.209	-1.327	-12.167	1985.892
45114_5114	45114	5114	52.903	274.112	-0.151	1.112	12.192	-1985.93
45114_5115	45114	5115	-52.669	-253.547	0.151	-1.112	-10.946	4160.429
45115_5115	45115	5115	49.782	254.129	-0.164	-0.166	10.958	-4174.74
45115_5116	45115	5116	-49.782	-220.595	0.164	0.166	-8.617	7555.483
45116_5116	45116	5116	49.782	182.7	-0.106	4.303	8.617	-7555.49
45116_5117	45116	5117	-49.782	-156.303	0.106	-4.303	-7.425	9455.932
45117_5117	45117	5117	49.781	156.303	-0.151	-4.13	7.425	-9455.93
45117_5118	45117	5118	-49.781	-129.905	0.151	4.13	-5.736	11060.38
45118_5118	45118	5118	49.781	91.658	-0.089	5.32	5.736	-11060.4
45118_5119	45118	5119	-49.781	-65.261	0.089	-5.32	-4.737	11940.04
45119_5119	45119	5119	49.781	65.261	-0.133	-5.329	4.737	-11940
45119_5120	45119	5120	-49.781	-38.865	0.133	5.329	-3.241	12523.74
45120_5120	45120	5120	49.781	-0.562	-0.093	15.263	3.241	-12523.7
45120_5121	45120	5121	-49.781	28.936	0.093	-15.263	-2.115	12345.98
45121_5121	45121	5121	49.781	-28.936	-0.217	-15.34	2.115	-12346
45121_5122	45121	5122	-49.781	57.286	0.217	15.34	0.495	11826.88
45122_5122	45122	5122	49.781	-96.288	-0.141	4.623	-0.495	-11826.9
45122_5123	45122	5123	-49.781	122.683	0.141	-4.623	2.081	10599.47
45123_5123	45123	5123	49.781	-122.683	-0.186	-4.831	-2.081	-10599.5
45123_5124	45123	5124	-49.781	149.077	0.186	4.831	4.165	9076.173
45124_5124	45124	5124	49.78	-186.587	0.019	5.956	-4.165	-9076.11
45124_5125	45124	5125	-49.78	212.982	-0.019	-5.956	3.951	6836.415
45125_5125	45125	5125	49.78	-212.982	-0.07	-6.24	-3.951	-6836.42
45125_5126	45125	5126	-49.78	239.375	0.07	6.24	4.732	4300.872
45126_5126	45126	5126	49.78	-275.924	-0.493	-0.12	-4.732	-4300.84
45126_5127	45126	5127	-49.78	308.11	0.493	0.12	11.471	308.86
45127_5127	45127	5127	53.277	-307.525	-0.555	-0.217	-11.474	-294.548
45127_5128	45127	5128	-53.492	326.429	0.555	0.217	16.057	-2320.67
45128_5128	45128	5128	61.606	-359.932	1.287	-5.028	-16.227	2320.624
45128_5129	45128	5129	-62.498	387.142	-1.287	5.028	1.102	-6711.65
45129_5129	45129	5129	80.198	-390.121	1.07	9.076	-4.525	7219.291
45129_5130	45129	5130	-82.377	425.892	-1.07	-9.076	-9.682	-12633.8
45130_5130	45130	5130	97.633	-460.875	-3.368	-7.88	8.446	12633.72
45130_5131	45130	5131	-100.792	496.304	3.368	7.88	33.823	-18637.8
45131_5131	45131	5131	114.456	-493.332	-3.413	7.866	-32.294	18637.8
45131_5132	45131	5132	-118.868	531.017	3.413	-7.866	75.25	-25081
45132_5132	45132	5132	-2151.98	217.191	23.276	9.678	-285.561	6392.234
45132_5133	45132	5133	2151.981	-192.72	-23.276	-9.678	64.441	-4445.16
45133_5133	45133	5133	-2151.95	192.72	26.052	15.413	-64.441	4445.14
45133_5134	45133	5134	2151.949	-174.47	-26.052	-15.413	-137.465	-3022.28
45134_5134	45134	5134	-2152.11	174.47	-1.683	-23.537	137.465	3022.225
45134_5135	45134	5135	2152.106	-156.194	1.683	23.537	-124.407	-1739.16
45135_5135	45135	5135	-2152.09	109.069	-3.444	-0.784	124.407	1739.529
45135_5136	45135	5136	2152.085	-90.228	3.444	0.784	-96.853	-942.292
45136_5136	45136	5136	-2152.09	90.228	-0.754	0.393	96.853	942.292
45136_5137	45136	5137	2152.087	-71.388	0.754	-0.393	-90.82	-295.796
45137_5137	45137	5137	-2152.08	71.388	-3.474	0.02	90.82	295.796
45137_5138	45137	5138	2152.084	-52.571	3.474	-0.02	-63.059	199.45
45138_5138	45138	5138	-2152.09	6.779	-3.41	0.033	63.059	-199.568
45138_5139	45138	5139	2152.089	7.352	3.41	-0.033	-42.597	197.849
45139_5139	45139	5139	-2152.09	-7.352	0.176	-0.297	42.597	-197.849

45139_5140	45139	5140	2152.091	21.482	-0.176	0.297	-43.655	111.343
45140_5140	45140	5140	-2152.09	-21.482	-3.41	-0.111	43.655	-111.343
45140_5141	45140	5141	2152.089	35.612	3.41	0.111	-23.194	-59.952
45141_5141	45141	5141	-2152.09	-35.612	0.176	-0.011	23.194	59.952
45141_5142	45141	5142	2152.091	49.743	-0.176	0.011	-24.252	-316.03
45142_5142	45142	5142	-2152.09	-94.528	-2.262	-0.1	24.252	315.925
45142_5143	45142	5143	2152.092	113.368	2.262	0.1	-6.153	-1147.56
45143_5143	45143	5143	-2152.09	-113.368	-2.262	-0.1	6.153	1147.562
45143_5144	45143	5144	2152.092	132.209	2.262	0.1	11.945	-2129.93
45144_5144	45144	5144	-2152.09	-132.209	-2.262	-0.1	-11.945	2129.933
45144_5145	45144	5145	2152.092	151.049	2.262	0.1	30.044	-3263.04
45145_5145	45145	5145	-2152.09	-192.569	-0.918	2.266	-30.044	3262.945
45145_5146	45145	5146	2152.093	210.821	0.918	-2.266	37.157	-4826.16
45146_5146	45146	5146	-2152.09	-210.821	-0.918	2.266	-37.157	4826.162
45146_5147	45146	5147	2152.093	229.072	0.918	-2.266	44.27	-6530.84
45147_5147	45147	5147	-2152.09	-229.072	-3.621	-5.938	-44.27	6530.835
45147_5148	45147	5148	2152.091	253.544	3.621	5.938	78.674	-8823.42
45148_5148	45148	5148	108.936	487.559	-0.004	-9.394	-9.1	28105.45
45148_5149	45148	5149	-104.523	-449.871	0.004	9.394	9.148	-22208.8
45149_5149	45149	5149	92.062	452.586	-0.045	8.557	-10.981	22208.82
45149_5150	45149	5150	-88.903	-417.155	0.045	-8.557	11.546	-16753.1
45150_5150	45150	5150	75.342	389.704	0.107	-0.743	-10.715	16753.18
45150_5151	45150	5151	-73.162	-353.931	-0.107	0.743	9.293	-11818.8
45151_5151	45151	5151	64.498	263.116	0.018	0.045	-7.247	-193.741
45151_5152	45151	5152	-63.581	-235.161	-0.018	-0.045	7.03	3122.423
45152_5152	45152	5152	58.114	200.152	0.112	-0.063	-7.025	-3122.42
45152_5153	45152	5153	-57.894	-180.726	-0.112	0.063	6.104	4693.683
45153_5153	45153	5153	55.836	181.372	0.112	0.044	-6.104	-4693.68
45153_5154	45153	5154	-55.836	-150.02	-0.112	-0.044	4.564	6970.484
45154_5154	45154	5154	55.837	110.665	0.108	0.021	-4.564	-6970.48
45154_5155	45154	5155	-55.837	-85.565	-0.108	-0.021	3.375	8049.813
45155_5155	45155	5155	55.837	85.565	0.108	0.021	-3.375	-8049.81
45155_5156	45155	5156	-55.837	-60.465	-0.108	-0.021	2.187	8853.026
45156_5156	45156	5156	55.837	20.961	0.06	-0.019	-2.187	-8853.03
45156_5157	45156	5157	-55.837	1.88	-0.06	0.019	1.59	8948.535
45157_5157	45157	5157	55.837	-1.88	0.06	0.079	-1.59	-8948.54
45157_5158	45157	5158	-55.837	24.699	-0.06	-0.079	0.987	8815.632
45158_5158	45158	5158	55.836	-62.253	0.092	-4.019	-0.987	-8815.56
45158_5159	45158	5159	-55.836	85.093	-0.092	4.019	0.071	8078.055
45159_5159	45159	5159	55.836	-85.093	0.147	4.05	-0.071	-8078.06
45159_5160	45159	5160	-55.836	107.935	-0.147	-4.05	-1.404	7111.892
45160_5160	45160	5160	55.837	-147.819	0.092	0.023	1.404	-7111.93
45160_5161	45160	5161	-55.837	172.919	-0.092	-0.023	-2.411	5347.77
45161_5161	45161	5161	55.837	-172.919	0.092	0.023	2.411	-5347.77
45161_5162	45161	5162	-55.837	198.019	-0.092	-0.023	-3.419	3307.494
45162_5162	45162	5162	55.838	-237.869	-0.039	-0.018	3.419	-3307.5
45162_5163	45162	5163	-55.838	269.222	0.039	0.018	-2.882	-176.457
45163_5163	45163	5163	58.893	-268.57	-0.08	0.079	2.884	176.457
45163_5164	45163	5164	-59.114	287.996	0.08	-0.079	-2.223	-2472.52
45164_5164	45164	5164	66.504	-324.346	0.135	2.894	2.318	2472.533
45164_5165	45164	5165	-67.421	352.3	-0.135	-2.894	-3.902	-6449.73
45165_5165	45165	5165	79.558	-357.56	0.312	-4.396	3.148	7103.979
45165_5166	45165	5166	-81.766	393.8	-0.312	4.396	-7.286	-12089.6
45166_5166	45166	5166	96.262	-430.282	0.214	-6.694	6.973	12089.66
45166_5167	45166	5167	-99.46	466.154	-0.214	6.694	-9.665	-17712.9

45167_5167	45167	5167	112.295	-463.23	0.168	7.114	11.124	17712.92
45167_5168	45167	5168	-116.759	501.358	-0.168	-7.114	-13.243	-23780.4
45168_5168	45168	5168	-2082.21	235.147	-1.42	-2.497	11.518	6554.117
45168_5169	45168	5169	2082.213	-210.34	1.42	2.497	1.975	-4437.91
45169_5169	45169	5169	-2082.21	210.34	1.168	3.019	-1.975	4437.912
45169_5170	45169	5170	2082.213	-191.609	-1.168	-3.019	-7.065	-2882.28
45170_5170	45170	5170	-2082.21	191.609	-1.491	-0.661	7.065	2882.286
45170_5171	45170	5171	2082.212	-172.854	1.491	0.661	4.49	-1469.9
45171_5171	45171	5171	-2082.21	127.098	1.668	0.425	-4.49	1469.77
45171_5172	45171	5172	2082.213	-107.738	-1.668	-0.425	-8.854	-530.378
45172_5172	45172	5172	-2082.21	107.738	-0.935	-0.238	8.854	530.378
45172_5173	45172	5173	2082.213	-88.378	0.935	0.238	-1.377	254.135
45173_5173	45173	5173	-2082.21	88.378	-0.935	-0.238	1.377	-254.135
45173_5174	45173	5174	2082.213	-69.017	0.935	0.238	6.1	883.756
45174_5174	45174	5174	-2082.22	20.864	1.969	-0.788	-6.1	-883.877
45174_5175	45174	5175	2082.215	-6.344	-1.969	0.788	-5.715	965.504
45175_5175	45175	5175	-2082.22	6.344	-1.501	0.821	5.715	-965.504
45175_5176	45175	5176	2082.216	8.177	1.501	-0.821	3.291	960.005
45176_5176	45176	5176	-2082.22	-8.177	1.969	-0.779	-3.291	-960.005
45176_5177	45176	5177	2082.215	22.697	-1.969	0.779	-8.525	867.38
45177_5177	45177	5177	-2082.22	-22.697	-1.501	0.667	8.525	-867.38
45177_5178	45177	5178	2082.216	37.217	1.501	-0.667	0.481	687.627
45178_5178	45178	5178	-2082.22	-85.282	-0.523	-0.434	-0.481	-687.764
45178_5179	45178	5179	2082.216	104.642	0.523	0.434	4.662	-71.978
45179_5179	45179	5179	-2082.22	-104.642	-0.523	-0.434	-4.662	71.978
45179_5180	45179	5180	2082.216	124.002	0.523	0.434	8.843	-986.613
45180_5180	45180	5180	-2082.22	-124.002	2.08	0.799	-8.843	986.613
45180_5181	45180	5181	2082.215	143.362	-2.08	-0.799	-7.797	-2056.12
45181_5181	45181	5181	-2082.21	-188.431	-1.649	-0.951	7.797	2056.141
45181_5182	45181	5182	2082.212	207.186	1.649	0.951	4.987	-3589.26
45182_5182	45182	5182	-2082.21	-207.186	1.037	3.679	-4.987	3589.256
45182_5183	45182	5183	2082.212	225.941	-1.037	-3.679	-3.05	-5267.71
45183_5183	45183	5183	-2082.21	-225.941	-1.579	-2.938	3.05	5267.713
45183_5184	45183	5184	2082.212	250.748	1.579	2.938	11.949	-7532.14
45184_5184	45184	5184	129.427	488.241	-0.051	7.662	-10.523	25086.77
45184_5185	45184	5185	-124.963	-450.113	0.051	-7.662	11.164	-19184.4
45185_5185	45185	5185	112.486	453.392	0.006	-7.318	-9.585	19184.37
45185_5186	45185	5186	-109.288	-417.521	-0.006	7.318	9.503	-13721.3
45186_5186	45186	5186	95.418	385.756	-0.392	-0.554	-10.101	13721.3
45186_5187	45186	5187	-93.21	-349.517	0.392	0.554	15.305	-8842.47
45187_5187	45187	5187	71.982	256.962	0.125	0.664	-1.257	-3201.85
45187_5188	45187	5188	-71.024	-227.742	-0.125	-0.664	-0.213	6050.742
45188_5188	45188	5188	65.685	189.82	-0.102	0.062	0.234	-6050.7
45188_5189	45188	5189	-65.455	-169.53	0.102	-0.062	0.61	7531.354
45189_5189	45189	5189	63.522	170.264	-0.103	-0.015	-0.609	-7521.93
45189_5190	45189	5190	-63.522	-136.006	0.103	0.015	2.028	9627.665
45190_5190	45190	5190	63.519	92.572	0.19	0.01	-2.028	-9627.67
45190_5191	45190	5191	-63.519	-65.166	-0.19	-0.01	-0.067	10495.27
45191_5191	45191	5191	63.519	65.166	0.19	0.01	0.067	-10495.3
45191_5192	45191	5192	-63.519	-37.759	-0.19	-0.01	-2.162	11061.39
45192_5192	45192	5192	63.521	-5.439	-0.072	0.076	2.162	-11061.4
45192_5193	45192	5193	-63.521	30.403	0.072	-0.076	-1.441	10881.82
45193_5193	45193	5193	63.521	-30.403	-0.073	-0.043	1.441	-10881.8
45193_5194	45193	5194	-63.521	55.393	0.073	0.043	-0.713	10451.53
45194_5194	45194	5194	63.518	-96.492	0.129	0.004	0.713	-10451.5

45194_5195	45194	5195	-63.518	121.482	-0.129	-0.004	-2.002	9358.319
45195_5195	45195	5195	63.518	-121.482	0.129	0.004	2.002	-9358.32
45195_5196	45195	5196	-63.518	146.471	-0.129	-0.004	-3.291	8014.455
45196_5196	45196	5196	63.521	-190.237	-0.013	-0.008	3.291	-8014.45
45196_5197	45196	5197	-63.521	217.643	0.013	0.008	-3.151	5770.978
45197_5197	45197	5197	63.521	-217.643	-0.013	-0.008	3.151	-5770.98
45197_5198	45197	5198	-63.521	245.049	0.013	0.008	-3.011	3226.021
45198_5198	45198	5198	63.52	-289.517	0.063	-0.022	3.011	-3226.02
45198_5199	45198	5199	-63.52	323.75	-0.063	0.022	-3.875	-987.37
45199_5199	45199	5199	67.266	-322.992	0.062	-0.041	3.874	969.092
45199_5200	45199	5200	-67.511	344.148	-0.062	0.041	-4.389	-3721.34
45200_5200	45200	5200	76.44	-385.49	-0.038	0.843	4.42	3721.303
45200_5201	45200	5201	-77.456	415.908	0.038	-0.843	-3.97	-8431.98
45201_5201	45201	5201	92.388	-421.307	0.033	-1.52	8.175	9157.129
45201_5202	45201	5202	-94.89	461.812	-0.033	1.52	-8.612	-15017.7
45202_5202	45202	5202	112.049	-504.857	-0.075	8.343	9.477	15017.58
45202_5203	45202	5203	-115.648	544.753	0.075	-8.343	-8.536	-21602.6
45203_5203	45203	5203	130.678	-541.344	-0.022	-9.057	6.735	21602.6
45203_5204	45203	5204	-135.66	583.498	0.022	9.057	-6.458	-28679.5
45204_5204	45204	5204	-2416.39	257.484	-2.595	2.072	97.349	8100.209
45204_5205	45204	5205	2416.393	-229.619	2.595	-2.072	-72.691	-5786.34
45205_5205	45205	5205	-2416.39	229.619	-5.221	-3.574	72.691	5490.132
45205_5206	45205	5206	2416.389	-208.368	5.221	3.574	-32.228	-3792.82
45206_5206	45206	5206	-2416.39	208.368	-2.103	1.319	32.228	3792.82
45206_5207	45206	5207	2416.393	-187.118	2.103	-1.319	-15.928	-2260.23
45207_5207	45207	5207	-2416.4	139.566	-3.74	-0.082	15.928	2260.236
45207_5208	45207	5208	2416.402	-117.63	3.74	0.082	13.995	-1231.39
45208_5208	45208	5208	-2416.4	117.63	-3.74	-0.082	-13.995	1231.388
45208_5209	45208	5209	2416.402	-95.694	3.74	0.082	43.917	-378.041
45209_5209	45209	5209	-2416.4	95.694	-3.74	-0.082	-43.917	378.041
45209_5210	45209	5210	2416.402	-73.757	3.74	0.082	73.84	299.806
45210_5210	45210	5210	-2416.44	24.421	1.191	-0.339	-73.84	-299.817
45210_5211	45210	5211	2416.435	-7.97	-1.191	0.339	66.693	396.995
45211_5211	45211	5211	-2416.43	7.97	-2.836	0.323	-66.693	-396.995
45211_5212	45211	5212	2416.433	8.483	2.836	-0.323	83.708	395.456
45212_5212	45212	5212	-2416.44	-8.483	1.191	-0.336	-83.708	-395.456
45212_5213	45212	5213	2416.435	24.935	-1.191	0.336	76.561	295.199
45213_5213	45213	5213	-2416.43	-24.935	-2.836	0.156	-76.561	-295.199
45213_5214	45213	5214	2416.433	41.387	2.836	-0.156	93.577	96.222
45214_5214	45214	5214	-2416.5	-90.418	1.642	0.098	-93.577	-96.11
45214_5215	45214	5215	2416.501	112.355	-1.642	-0.098	80.444	-715.034
45215_5215	45215	5215	-2416.5	-112.355	4.662	0.992	-80.444	715.033
45215_5216	45215	5216	2416.497	134.291	-4.662	-0.992	43.148	-1701.66
45216_5216	45216	5216	-2416.5	-134.291	1.642	-1.135	-43.148	1701.664
45216_5217	45216	5217	2416.501	156.227	-1.642	1.135	30.015	-2863.81
45217_5217	45217	5217	-2416.52	-202.827	1.931	-17.451	-30.015	2863.618
45217_5218	45217	5218	2416.516	224.051	-1.931	17.451	15.07	-4515.75
45218_5218	45218	5218	-2416.51	-224.051	5.085	-11.557	-15.07	4515.768
45218_5219	45218	5219	2416.511	245.301	-5.085	11.557	-24.339	-6334.6
45219_5219	45219	5219	-2416.44	-245.301	19.854	29.592	24.339	6630.771
45219_5220	45219	5220	2416.435	273.165	-19.854	-29.592	-212.949	-9093.51
45220_5220	45220	5220	118.021	562.755	0.543	-37.321	-0.85	29889.32
45220_5221	45220	5221	-113.039	-520.604	-0.543	37.321	-5.982	-23073.8
45221_5221	45221	5221	98.589	523.533	0.379	36.062	-1.687	23073.82
45221_5222	45221	5222	-94.99	-483.638	-0.379	-36.062	-3.07	-16755.3

45222_5222	45222	5222	78.658	443.661	0.542	-2.859	6.486	16755.65
45222_5223	45222	5223	-76.156	-403.155	-0.542	2.859	-13.685	-11136.1
45223_5223	45223	5223	65.147	306.818	0.32	-2.08	-5.061	-1461.71
45223_5224	45223	5224	-64.078	-274.81	-0.32	2.08	1.296	4880.681
45224_5224	45224	5224	57.518	228.417	0.425	14.548	-1.533	-4881
45224_5225	45224	5225	-57.26	-206.145	-0.425	-14.548	-1.97	6673.932
45225_5225	45225	5225	54.869	206.794	0.214	-11.116	2.139	-6666.29
45225_5226	45225	5226	-54.869	-163.608	-0.214	11.116	-5.445	9526.484
45226_5226	45226	5226	54.87	110.659	0.683	22.506	5.445	-9526.37
45226_5227	45226	5227	-54.87	-77.511	-0.683	-22.506	-13.545	10641.67
45227_5227	45227	5227	54.872	77.511	0.452	-22.36	13.545	-10641.7
45227_5228	45227	5228	-54.872	-44.359	-0.452	22.36	-18.904	11364.08
45228_5228	45228	5228	54.869	-9.616	0.686	23.254	18.904	-11363.1
45228_5229	45228	5229	-54.869	42.771	-0.686	-23.254	-27.034	11052.54
45229_5229	45229	5229	54.871	-42.771	0.454	-23.324	27.034	-11052.5
45229_5230	45229	5230	-54.871	75.931	-0.454	23.324	-32.423	10348.75
45230_5230	45230	5230	54.882	-131.446	-0.113	13.772	32.423	-10347
45230_5231	45230	5231	-54.882	165.533	0.113	-13.772	-31.051	8536.902
45231_5231	45231	5231	54.881	-165.533	-0.292	-14.215	31.051	-8536.9
45231_5232	45231	5232	-54.881	199.625	0.292	14.215	-27.486	6310.986
45232_5232	45232	5232	54.799	-254.31	2.984	5.921	27.486	-6309.67
45232_5233	45232	5233	-54.799	280.01	-2.984	-5.921	-54.907	3854.324
45233_5233	45233	5233	57.493	-279.47	2.902	-0.33	54.906	-3854.33
45233_5234	45233	5234	-57.682	299.137	-2.902	0.33	-74.899	1861.426
45234_5234	45234	5234	62.468	-298.175	2.775	-5.849	74.774	-1861.42
45234_5235	45234	5235	-63.037	320.379	-2.775	5.849	-96.26	-533.172
45235_5235	45235	5235	69.663	-366.705	-1.874	-6.968	96.177	533.283
45235_5236	45235	5236	-70.283	382.214	1.874	6.968	-86.112	-2544.68
45236_5236	45236	5236	63.992	-396.377	-2.425	-1.229	173.301	4250.238
45236_5237	45236	5237	-65.664	426.464	2.425	1.229	-152.767	-7732.97
45237_5237	45237	5237	72.664	-425.326	-2.512	12.123	153.87	7732.943
45237_5238	45237	5238	-74.387	449.222	2.512	-12.123	-137.273	-10622.2
45238_5238	45238	5238	87.022	-499.256	-1.836	-18.732	134.909	10619.22
45238_5239	45238	5239	-90.321	535.863	1.836	18.732	-116.777	-15730.8
45239_5239	45239	5239	119.879	-530.033	-1.933	11.217	120.886	15730.74
45239_5240	45239	5240	-125.906	571.212	1.933	-11.217	-100.21	-21617
45240_5240	45240	5240	-2284.1	302.733	-72.874	-5.321	1433.158	6422.535
45240_5241	45240	5241	2284.103	-260.231	72.874	5.321	-537.777	-2964.04
45241_5241	45241	5241	-2284.38	260.231	-63.468	6.885	537.777	2964.035
45241_5242	45241	5242	2284.384	-240.278	63.468	-6.885	-166.213	-1498.95
45242_5242	45242	5242	-2284.43	240.278	-61.712	8.037	166.213	1498.944
45242_5243	45242	5243	2284.432	-218.616	61.712	-8.037	226.024	-40.591
45243_5243	45243	5243	-2287.06	169.716	-11.537	2.916	-226.024	40.296
45243_5244	45243	5244	2287.056	-136.225	11.537	-2.916	339.396	1462.854
45244_5244	45244	5244	-2287.08	136.225	-3.862	-1.993	-339.396	-1462.86
45244_5245	45244	5245	2287.082	-102.863	3.862	1.993	377.203	2633.045
45245_5245	45245	5245	-2286.21	61.319	-16.176	5.433	-377.203	-2632.35
45245_5246	45245	5246	2286.211	-26.754	16.176	-5.433	541.253	3078.951
45246_5246	45246	5246	-2286.25	26.754	-8.43	-4.998	-541.253	-3078.95
45246_5247	45246	5247	2286.252	5.564	8.43	4.998	621.189	3179.416
45247_5247	45247	5247	-2286.1	-49.762	-6.05	4.372	-621.189	-3178.63
45247_5248	45247	5248	2286.096	81.437	6.05	-4.372	677.411	2568.977
45248_5248	45248	5248	-2286.1	-81.437	1.035	-3.589	-677.411	-2568.98
45248_5249	45248	5249	2286.104	116.644	-1.035	3.589	666.723	1545.874
45249_5249	45249	5249	-2287.24	-156.623	38.015	0.545	-666.723	-1545.54

45249_5250	45249	5250	2287.235	191.086	-38.015	-0.545	282.32	-212.462
45250_5250	45250	5250	-2287.13	-191.086	43.957	1.097	-282.32	212.46
45250_5251	45250	5251	2287.128	223.504	-43.957	-1.097	-135.79	-2184.2
45251_5251	45251	5251	-2284.65	-281.125	-26.599	-38.395	135.79	2182.8
45251_5252	45251	5252	2284.653	301.737	26.599	38.395	25.075	-3945.34
45252_5252	45252	5252	-2284.69	-301.737	-23.05	-32.267	-25.075	3945.392
45252_5253	45252	5253	2284.692	323.072	23.05	32.267	169.364	-5900.98
45253_5253	45253	5253	-2284.74	-323.072	-17.132	-16.982	-169.364	5901.043
45253_5254	45253	5254	2284.744	355.926	17.132	16.982	332.079	-9125.48
45254_5254	45254	5254	145.817	554.435	-79.508	237.074	-248.515	26114.83
45254_5255	45254	5255	-144.45	-543.758	79.508	-237.074	463.709	-24628.7
45255_5255	45255	5255	126.393	493.585	41.727	-28.711	-429.294	24623.07
45255_5256	45255	5256	-121.039	-445.287	-41.727	28.711	-96.648	-18708.7
45256_5256	45256	5256	110.636	448.011	41.448	41.873	89.605	18708.7
45256_5257	45256	5257	-107.705	-414.309	-41.448	-41.873	-468.328	-14769.8
45257_5257	45257	5257	97.962	360.655	-20.979	-35.688	473.84	14768.19
45257_5258	45257	5258	-96.319	-337.161	20.979	35.688	-337.169	-12495.4
45258_5258	45258	5258	91.113	338.594	-21.151	-11.165	334.965	12495.46
45258_5259	45258	5259	-89.669	-312.159	21.151	11.165	-177.441	-10072.5
45259_5259	45259	5259	84.202	313.663	-21.367	15.784	176.102	10072.49
45259_5260	45259	5260	-83.343	-290.649	21.367	-15.784	-11.876	-7750.28
45260_5260	45260	5260	121.08	269.093	1.935	19.131	-15.075	-3739.96
45260_5261	45260	5261	-120.668	-250.9	-1.935	-19.131	3.64	5276.695
45261_5261	45261	5261	117.287	252.501	1.52	0.164	-3.207	-5276.73
45261_5262	45261	5262	-117.107	-232.845	-1.52	-0.164	-6.532	6831.156
45262_5262	45262	5262	114.968	233.909	1.388	-7.385	6.533	-6860.29
45262_5263	45262	5263	-114.968	-197.086	-1.388	7.385	-23.456	9486.722
45263_5263	45263	5263	114.972	138.423	1.284	16.88	23.456	-9486.32
45263_5264	45263	5264	-114.972	-103.924	-1.284	-16.88	-38.117	10869.96
45264_5264	45264	5264	114.975	103.924	0.954	-14.343	38.117	-10870
45264_5265	45264	5265	-114.975	-68.773	-0.954	14.343	-49.213	11874.59
45265_5265	45265	5265	114.978	13.453	0.869	24.064	49.213	-11874.6
45265_5266	45265	5266	-114.978	21.774	-0.869	-24.064	-59.343	11826.13
45266_5266	45266	5266	114.981	-21.774	0.414	-22.764	59.343	-11826.1
45266_5267	45266	5267	-114.981	56.196	-0.414	22.764	-64.055	11381.97
45267_5267	45267	5267	114.995	-112.246	1.52	24.001	64.055	-11382.6
45267_5268	45267	5268	-114.995	147.107	-1.52	-24.001	-81.599	9886.257
45268_5268	45268	5268	115.001	-147.107	0.971	-23.262	81.599	-9886.26
45268_5269	45268	5269	-115.001	181.87	-0.971	23.262	-92.768	7993.645
45269_5269	45269	5269	114.989	-235.788	-0.034	11.386	92.768	-7994.42
45269_5270	45269	5270	-114.989	262.561	0.034	-11.386	-92.466	5786.36
45270_5270	45270	5270	114.989	-262.561	-0.367	-5.351	92.466	-5786.37
45270_5271	45270	5271	-114.989	289.223	0.367	5.351	-89.23	3351.678
45271_5271	45271	5271	117.6	-288.171	-0.627	-13.582	89.111	-3322.52
45271_5272	45271	5272	-117.789	309.042	0.627	13.582	-85.098	1411.116
45272_5272	45272	5272	123.945	-364.472	10.487	-3.309	85.163	-1412.05
45272_5273	45272	5273	-124.495	387.497	-10.487	3.309	-158.908	-1231.92
45273_5273	45273	5273	130.236	-385.612	10.257	-3.204	158.936	1231.917
45273_5274	45273	5274	-131.072	407.23	-10.257	3.204	-226.136	-3829.04
45274_5274	45274	5274	138.774	-404.677	9.968	1.177	226.534	3839.857
45274_5275	45274	5275	-141.199	446.753	-9.968	-1.177	-337.807	-8591.34
45275_5275	45275	5275	155.502	-509.742	-39.065	-31.609	335.724	8592.611
45275_5276	45275	5276	-158.587	547.957	39.065	31.609	49.652	-13808.7
45276_5276	45276	5276	169.896	-544.523	-39.532	25.675	-44.574	13808.71
45276_5277	45276	5277	-173.801	582.839	39.532	-25.675	423.075	-19204.6

45277_5277	45277	5277	154.455	-771.895	75.854	-72.262	-1077.54	39831.58
45277_5278	45277	5278	-158.369	804.256	-75.854	72.262	488.914	-45946.2
45278_5278	45278	5278	-3426.71	426.888	37.715	10.59	-190.906	15000.94
45278_5279	45278	5279	3426.711	-391.928	-37.715	-10.59	-167.037	-11115.4
45279_5279	45279	5279	-3426.58	391.928	47.95	47.997	167.037	11415.95
45279_5280	45279	5280	3426.583	-369.444	-47.95	-47.997	-480.306	-8928.83
45280_5280	45280	5280	-3428.29	304.255	-59.033	-8.988	480.306	8929.78
45280_5281	45280	5281	3428.288	-264.117	59.033	8.988	208.187	-5615.39
45281_5281	45281	5281	-3428.43	264.117	-50.07	5.694	-208.187	5615.39
45281_5282	45281	5282	3428.43	-221.411	50.07	-5.694	829.525	-2602.83
45282_5282	45282	5282	-3428.01	152.118	3.351	-2.001	-829.525	2602.861
45282_5283	45282	5283	3428.01	-115.846	-3.351	2.001	788.01	-942.995
45283_5283	45283	5283	-3427.98	115.846	14.006	0.93	-788.01	942.996
45283_5284	45283	5284	3427.983	-81.637	-14.006	-0.93	624.367	210.692
45284_5284	45284	5284	-3428.13	-22.011	13.156	-0.474	-624.367	-210.723
45284_5285	45284	5285	3428.127	55.024	-13.156	0.474	476.023	-223.576
45285_5285	45285	5285	-3428.09	-55.024	21.342	0.06	-476.023	223.577
45285_5286	45285	5286	3428.085	84.504	-21.342	-0.06	261.127	-926.03
45286_5286	45286	5286	-3428.03	-173.086	37.287	-4.443	-261.127	926.113
45286_5287	45286	5287	3428.033	206.493	-37.287	4.443	-164.328	-3091.65
45287_5287	45287	5287	-3427.88	-206.493	49.101	6.212	164.328	3091.642
45287_5288	45287	5288	3427.884	240.073	-49.101	-6.212	-727.466	-5652.45
45288_5288	45288	5288	-3429.34	-246.659	-32.088	-22.565	727.466	5653.217
45288_5289	45288	5289	3429.335	258.367	32.088	22.565	-599.151	-6662.97
45289_5289	45289	5289	-3429.38	-258.367	-27.223	-10.722	599.151	6362.067
45289_5290	45289	5290	3429.377	288.482	27.223	10.722	-340.539	-8959.57
45290_5290	45290	5290	149.912	988.141	-23.818	12.127	108.225	36634.55
45290_5291	45290	5291	-145.749	-950.244	23.818	-12.127	140.556	-26512.9
45291_5291	45291	5291	112.86	863.709	1.839	-34.412	-136.024	26515.16
45291_5292	45291	5292	-109.744	-825.92	-1.839	34.412	116.065	-17346.2
45292_5292	45292	5292	87.852	828.535	1.682	34.079	-120.587	17346.16
45292_5293	45292	5293	-86.018	-795.686	-1.682	-34.079	104.226	-9447
45293_5293	45293	5293	65.908	706.753	3.569	-9.68	-101.891	9448.165
45293_5294	45293	5294	-65.075	-682.537	-3.569	9.68	75.848	-4379.77
45294_5294	45294	5294	51.042	683.73	3.467	2.985	-76.184	4375.666
45294_5295	45294	5295	-50.738	-661.762	-3.467	-2.985	49.714	760.417
45295_5295	45295	5295	41.885	662.382	3.365	1.787	-49.669	-760.423
45295_5296	45295	5296	-41.874	-638.839	-3.365	-1.787	22.071	6096.127
45296_5296	45296	5296	31.165	582.649	1.486	13.096	6.348	-2184.14
45296_5297	45296	5297	-31.165	-570.792	-1.486	-13.096	-12.514	4576.836
45297_5297	45297	5297	31.167	570.792	1.45	7.737	12.514	-4576.85
45297_5298	45297	5298	-31.167	-540.126	-1.45	-7.737	-25.942	9722.029
45298_5298	45298	5298	31.17	540.126	1.375	-15.395	25.942	-9722.02
45298_5299	45298	5299	-31.17	-509.784	-1.375	15.395	-38.549	14533.43
45299_5299	45299	5299	31.157	429.489	-0.279	41.041	38.549	-14534.6
45299_5300	45299	5300	-31.157	-390.869	0.279	-41.041	-35.299	19319.66
45300_5300	45300	5300	31.156	390.869	-0.399	-33.875	35.299	-19319.7
45300_5301	45300	5301	-31.156	-349.835	0.399	33.875	-30.349	23910.21
45301_5301	45301	5301	31.152	269.36	-0.751	52.742	30.349	-23912.1
45301_5302	45301	5302	-31.152	-227.951	0.751	-52.742	-20.95	27022.43
45302_5302	45302	5302	31.149	227.951	-0.871	-51.114	20.95	-27022.4
45302_5303	45302	5303	-31.149	-189.738	0.871	51.114	-10.896	29433.05
45303_5303	45303	5303	31.172	109.066	1.206	64.03	10.896	-29435.2
45303_5304	45303	5304	-31.172	-65.988	-1.206	-64.03	-26.587	30574.08
45304_5304	45304	5304	31.177	65.988	1.071	-68.687	26.587	-30574.1

45304_5305	45304	5305	-31.177	-29.415	-1.071	68.687	-38.414	31101.06
45305_5305	45305	5305	31.157	-51.229	-0.93	51.943	38.414	-31103.3
45305_5306	45305	5306	-31.157	91.142	0.93	-51.943	-27.206	30245.09
45306_5306	45306	5306	31.154	-91.142	-1.031	-46.402	27.206	-30245.1
45306_5307	45306	5307	-31.154	130.815	1.031	46.402	-14.851	28915.14
45307_5307	45307	5307	31.179	-211.794	1.745	54.612	14.851	-28917.2
45307_5308	45307	5308	-31.179	251.131	-1.745	-54.612	-35.588	26166.86
45308_5308	45308	5308	31.185	-251.131	1.622	-48.985	35.588	-26166.9
45308_5309	45308	5309	-31.185	291.433	-1.622	48.985	-55.331	22864.3
45309_5309	45309	5309	31.146	-364.917	-2.371	35.334	55.331	-22865.7
45309_5310	45309	5310	-31.146	404.803	2.371	-35.334	-26.768	18228.75
45310_5310	45310	5310	31.137	-404.803	-2.486	-32.231	26.768	-18228.8
45310_5311	45310	5311	-31.137	444.524	2.486	32.231	3.061	13133.57
45311_5311	45311	5311	31.159	-528.492	0.198	12.613	-3.061	-13134.3
45311_5312	45311	5312	-31.159	570.207	-0.198	-12.613	0.561	6212.08
45312_5312	45312	5312	31.16	-570.207	0.052	-16.6	-0.561	-6212.07
45312_5313	45312	5313	-31.16	606.064	-0.052	16.6	0	-158.044
46000_6000	46000	6000	0.016	14.399	-0.06	-0.012	0	0.114
46000_6001	46000	6001	-0.016	4.383	0.06	0.012	0.702	58.084
46001_6001	46001	6001	0.016	-4.383	-0.06	0.057	-0.702	-58.084
46001_6002	46001	6002	-0.016	19.955	0.06	-0.057	1.284	-59.172
46002_6002	46002	6002	0.021	20.667	0.073	-0.012	-1.284	59.285
46002_6003	46002	6003	-0.021	-1.069	-0.073	0.012	0.398	72.502
46003_6003	46003	6003	0.021	1.069	0.073	0.047	-0.398	-72.502
46003_6004	46003	6004	-0.021	18.531	-0.073	-0.047	-0.487	-33.379
46004_6004	46004	6004	0.021	20.069	-0.02	0.006	0.487	33.38
46004_6005	46004	6005	-0.021	-0.465	0.02	-0.006	-0.245	91.153
46005_6005	46005	6005	0.021	0.465	-0.02	0.016	0.245	-91.153
46005_6006	46005	6006	-0.021	19.122	0.02	-0.016	-0.003	-21.901
46006_6006	46006	6006	0.02	19.793	0.009	0.004	0.003	22.092
46006_6007	46006	6007	-0.02	-0.19	-0.009	-0.004	-0.106	99.103
46007_6007	46007	6007	0.02	0.19	0.009	0.004	0.106	-99.103
46007_6008	46007	6008	-0.02	19.413	-0.009	-0.004	-0.21	-17.478
46008_6008	46008	6008	0.019	19.427	-0.001	0.038	0.21	17.112
46008_6009	46008	6009	-0.019	0.164	0.001	-0.038	-0.192	99.643
46009_6009	46009	6009	0.019	-0.164	-0.001	-0.043	0.192	-99.643
46009_6010	46009	6010	-0.019	19.753	0.001	0.043	-0.175	-21.059
46010_6010	46010	6010	0.017	19.259	-0.001	-0.013	0.175	21.347
46010_6011	46010	6011	-0.017	0.348	0.001	0.013	-0.158	93.365
46011_6011	46011	6011	0.017	-0.348	-0.001	-0.004	0.158	-93.365
46011_6012	46011	6012	-0.017	19.939	0.001	0.004	-0.142	-29.595
46012_6012	46012	6012	0.017	18.438	0.01	-0.013	0.142	29.634
46012_6013	46012	6013	-0.017	1.157	-0.01	0.013	-0.259	75.131
46013_6013	46013	6013	0.017	-1.157	0.01	-0.013	0.259	-75.131
46013_6014	46013	6014	-0.017	20.753	-0.01	0.013	-0.376	-57.692
46014_6014	46014	6014	0.018	20.139	-0.008	-0.006	0.376	57.887
46014_6015	46014	6015	-0.018	5.723	0.008	0.006	-0.248	57.456
46015_6015	46015	6015	0.018	-5.723	-0.008	-0.034	0.248	-57.456
46015_6016	46015	6016	-0.018	19.052	0.008	0.034	-0.182	-44.706
46016_6016	46016	6016	-0.524	20.227	-0.01	-0.015	0.298	104.474
46016_6017	46016	6017	0.524	-1.502	0.01	0.015	-0.181	23.249
46017_6017	46017	6017	-0.524	1.502	-0.01	-0.015	0.181	-23.249
46017_6018	46017	6018	0.524	19.611	0.01	0.015	-0.05	-96.768
46018_6018	46018	6018	-0.522	19.401	0.068	-0.012	0.05	96.715
46018_6019	46018	6019	0.522	0.493	-0.068	0.012	-0.9	21.362

46019_6019	46019	6019	-0.522	-0.493	0.068	-0.014	0.9	-21.362
46019_6020	46019	6020	0.522	20.404	-0.068	0.014	-1.752	-109.245
46020_6020	46020	6020	-0.6	20.972	-0.044	-0.005	1.752	109.197
46020_6021	46020	6021	0.6	-5.831	0.044	0.005	-1.338	18.196
46021_6021	46021	6021	-0.6	5.831	-0.043	-0.027	1.338	-18.196
46021_6022	46021	6022	0.6	6.506	0.043	0.027	-1.006	15.581
46022_6022	46022	6022	-0.6	-6.506	-0.044	-0.009	1.006	-15.582
46022_6023	46022	6023	0.6	18.859	0.044	0.009	-0.668	-82.779
46023_6023	46023	6023	-0.574	19.468	-0.095	-0.018	0.668	82.69
46023_6024	46023	6024	0.574	-6.731	0.095	0.018	0.096	22.059
46024_6024	46024	6024	-0.574	6.731	-0.096	0.01	-0.096	-22.059
46024_6025	46024	6025	0.574	6.008	0.096	-0.01	0.865	24.95
46025_6025	46025	6025	-0.574	-6.008	-0.095	-0.025	-0.865	-24.95
46025_6026	46025	6026	0.574	18.761	0.095	0.025	1.629	-74.204
46026_6026	46026	6026	-0.578	18.978	-0.015	-0.004	-1.629	74.094
46026_6027	46026	6027	0.578	-9.433	0.015	0.004	1.721	11.025
46027_6027	46027	6027	-0.578	9.433	-0.015	-0.005	-1.721	-11.025
46027_6028	46027	6028	0.578	0.128	0.015	0.005	1.813	38.95
46028_6028	46028	6028	-0.578	-0.128	-0.015	-0.005	-1.813	-38.95
46028_6029	46028	6029	0.578	9.688	0.015	0.005	1.905	9.492
46029_6029	46029	6029	-0.578	-9.688	-0.014	-0.021	-1.905	-9.492
46029_6030	46029	6030	0.578	19.247	0.014	0.021	1.991	-77.331
46030_6030	46030	6030	-0.579	18.399	0.056	0.002	-1.991	77.305
46030_6031	46030	6031	0.579	-5.651	-0.056	-0.002	1.543	18.933
46031_6031	46031	6031	-0.578	5.651	0.057	-0.019	-1.543	-18.933
46031_6032	46031	6032	0.578	7.08	-0.057	0.019	1.09	13.224
46032_6032	46032	6032	-0.579	-7.08	0.056	-0.004	-1.09	-13.224
46032_6033	46032	6033	0.579	19.828	-0.056	0.004	0.642	-94.447
46033_6033	46033	6033	-0.578	18.816	0.056	-0.004	-0.642	94.451
46033_6034	46033	6034	0.578	-6.475	-0.056	0.004	0.206	3.518
46034_6034	46034	6034	-0.578	6.475	0.056	-0.005	-0.206	-3.518
46034_6035	46034	6035	0.578	5.881	-0.056	0.005	-0.23	5.822
46035_6035	46035	6035	-0.578	-5.881	0.056	-0.004	0.23	-5.822
46035_6036	46035	6036	0.578	20.991	-0.056	0.004	-0.764	-121.627
46036_6036	46036	6036	-0.519	20.916	-0.032	-0.01	0.764	121.62
46036_6037	46036	6037	0.519	-0.99	0.032	0.01	-0.368	15.395
46037_6037	46037	6037	-0.519	0.99	-0.032	0.003	0.368	-15.395
46037_6038	46037	6038	0.519	18.922	0.032	-0.003	0.034	-96.69
46038_6038	46038	6038	-0.521	13.66	-0.145	-0.008	-0.034	96.697
46038_6039	46038	6039	0.521	7.442	0.145	0.008	1.95	-55.511
46039_6039	46039	6039	0.037	2.136	0.026	0.01	-0.012	-16.641
46039_6040	46039	6040	-0.037	16.231	-0.026	-0.01	-0.296	-66.179
46040_6040	46040	6040	0.037	19.392	-0.011	0.029	0.296	66.269
46040_6041	46040	6041	-0.037	-6.504	0.011	-0.029	-0.202	40.502
46041_6041	46041	6041	0.037	6.504	-0.012	-0.009	0.202	-40.502
46041_6042	46041	6042	-0.037	17.84	0.012	0.009	-0.023	-47.782
46042_6042	46042	6042	0.037	19.203	0.009	-0.029	0.023	47.803
46042_6043	46042	6043	-0.037	-0.579	-0.009	0.029	-0.127	70.061
46043_6043	46043	6043	0.037	0.579	0.009	0.035	0.127	-70.061
46043_6044	46043	6044	-0.037	18.03	-0.009	-0.035	-0.232	-33.838
46044_6044	46044	6044	0.037	18.681	-0.003	0.001	0.232	33.948
46044_6045	46044	6045	-0.037	-0.058	0.003	-0.001	-0.201	77.7
46045_6045	46045	6045	0.037	0.058	-0.003	0.001	0.201	-77.7
46045_6046	46045	6046	-0.037	18.566	0.003	-0.001	-0.171	-32.578
46046_6046	46046	6046	0.037	18.246	0	-0.005	0.171	32.579

46046_6047	46046	6047	-0.037	0.385	0	0.005	-0.175	73.884
46047_6047	46047	6047	0.037	-0.385	0	0	0.175	-73.884
46047_6048	46047	6048	-0.037	19.001	0	0	-0.18	-41.57
46048_6048	46048	6048	0.037	17.677	0.007	0.022	0.18	41.457
46048_6049	46048	6049	-0.037	0.94	-0.007	-0.022	-0.26	58.234
46049_6049	46049	6049	0.037	-0.94	0.007	-0.031	0.26	-58.234
46049_6050	46049	6050	-0.037	19.571	-0.007	0.031	-0.34	-64.02
46050_6050	46050	6050	0.037	17.628	-0.015	-0.008	0.34	63.795
46050_6051	46050	6051	-0.037	6.687	0.015	0.008	-0.109	21.321
46051_6051	46051	6051	0.037	-6.687	-0.015	-0.001	0.109	-21.321
46051_6052	46051	6052	-0.037	19.589	0.015	0.001	0.013	-87.141
46052_6052	46052	6052	0.036	16.609	-0.012	-0.004	-0.013	87.033
46052_6053	46052	6053	-0.036	1.749	0.012	0.004	0.159	0.243
46053_6053	46053	6053	0.026	2.477	-0.019	-0.003	-0.091	-1.91
46053_6054	46053	6054	-0.026	17.594	0.019	0.003	0.349	-98.248
46054_6054	46054	6054	0.026	18.592	0.074	-0.008	-0.349	98.236
46054_6055	46054	6055	-0.026	0.347	-0.074	0.008	-0.58	15.823
46055_6055	46055	6055	0.026	-0.347	0.074	0.006	0.58	-15.823
46055_6056	46055	6056	-0.026	19.271	-0.074	-0.006	-1.508	-106.726
46056_6056	46056	6056	-0.004	19.889	-0.067	-0.001	1.508	106.715
46056_6057	46056	6057	0.004	-5.491	0.067	0.001	-0.874	13.911
46057_6057	46057	6057	-0.004	5.491	-0.067	-0.002	0.874	-13.911
46057_6058	46057	6058	0.004	6.25	0.067	0.002	-0.357	10.969
46058_6058	46058	6058	-0.004	-6.25	-0.067	-0.001	0.357	-10.969
46058_6059	46058	6059	0.004	17.975	0.067	0.001	0.16	-82.791
46059_6059	46059	6059	-0.018	18.657	-0.083	0.005	-0.16	82.865
46059_6060	46059	6060	0.018	-6.526	0.083	-0.005	0.826	17.977
46060_6060	46060	6060	-0.018	6.526	-0.083	-0.016	-0.826	-17.977
46060_6061	46060	6061	0.018	5.589	0.083	0.016	1.492	21.723
46061_6061	46061	6061	-0.018	-5.589	-0.083	0.012	-1.492	-21.723
46061_6062	46061	6062	0.018	17.705	0.083	-0.012	2.157	-71.439
46062_6062	46062	6062	-0.019	18.155	0.003	0.003	-2.157	71.377
46062_6063	46062	6063	0.019	-9.076	-0.003	-0.003	2.142	10.235
46063_6063	46063	6063	-0.019	9.076	0.003	0.001	-2.142	-10.235
46063_6064	46063	6064	0.019	0.018	-0.003	-0.001	2.127	37.427
46064_6064	46064	6064	-0.019	-0.018	0.003	0.001	-2.127	-37.427
46064_6065	46064	6065	0.019	9.112	-0.003	-0.001	2.112	10.018
46065_6065	46065	6065	-0.019	-9.112	0.003	0.003	-2.112	-10.018
46065_6066	46065	6066	0.019	18.191	-0.003	-0.003	2.097	-71.81
46066_6066	46066	6066	-0.016	17.752	0.093	0.002	-2.097	71.925
46066_6067	46066	6067	0.016	-5.625	-0.093	-0.002	1.355	21.659
46067_6067	46067	6067	-0.016	5.625	0.093	0.004	-1.355	-21.659
46067_6068	46067	6068	0.016	6.486	-0.093	-0.004	0.614	18.218
46068_6068	46068	6068	-0.016	-6.486	0.093	0.004	-0.614	-18.218
46068_6069	46068	6069	0.016	18.598	-0.093	-0.004	-0.126	-82.072
46069_6069	46069	6069	-0.034	17.78	0.049	0.001	0.126	82.189
46069_6070	46069	6070	0.034	-6.033	-0.049	-0.001	-0.507	10.151
46070_6070	46070	6070	-0.034	6.033	0.049	0.001	0.507	-10.151
46070_6071	46070	6071	0.034	5.699	-0.049	-0.001	-0.887	11.444
46071_6071	46071	6071	-0.034	-5.699	0.049	0.012	0.887	-11.444
46071_6072	46071	6072	0.034	20.088	-0.049	-0.012	-1.353	-111.038
46072_6072	46072	6072	-0.031	20.048	-0.025	0.005	1.353	111.046
46072_6073	46072	6073	0.031	-1.113	0.025	-0.005	-1.036	21.222
46073_6073	46073	6073	-0.031	1.113	-0.025	0.005	1.036	-21.222
46073_6074	46073	6074	0.031	17.823	0.025	-0.005	-0.719	-83.227

46074_6074	46074	6074	-0.036	12.343	-0.229	-0.004	0.719	83.275
46074_6075	46074	6075	0.036	7.73	0.229	0.004	2.319	-52.712
46075_6075	46075	6075	0.002	2.782	0.023	0.021	0.212	-32.983
46075_6076	46075	6076	-0.002	14.626	-0.023	-0.021	-0.477	-36.602
46076_6076	46076	6076	-0.001	17.091	-0.023	-0.008	0.477	36.443
46076_6077	46076	6077	0.001	-4.867	0.023	0.008	-0.288	54.155
46077_6077	46077	6077	-0.001	4.867	-0.023	0.02	0.288	-54.155
46077_6078	46077	6078	0.001	16.052	0.023	-0.02	0.035	-24.817
46078_6078	46078	6078	0	17.157	0.008	0.01	-0.035	24.686
46078_6079	46078	6079	0	-0.57	-0.008	-0.01	-0.059	74.55
46079_6079	46079	6079	0	0.57	0.008	0.006	0.059	-74.55
46079_6080	46079	6080	0	16.031	-0.008	-0.006	-0.152	-12.079
46080_6080	46080	6080	-0.001	16.318	-0.002	0.003	0.152	12.092
46080_6081	46080	6081	0.001	0.28	0.002	-0.003	-0.135	77.745
46081_6081	46081	6081	-0.001	-0.28	-0.002	0.006	0.135	-77.745
46081_6082	46081	6082	0.001	16.863	0.002	-0.006	-0.118	-18.201
46082_6082	46082	6082	0	17.623	0	-0.001	0.118	18.544
46082_6083	46082	6083	0	0.22	0	0.001	-0.123	86.262
46083_6083	46083	6083	0	-0.22	0	0.003	0.123	-86.262
46083_6084	46083	6084	0	18.049	0	-0.003	-0.127	-23.668
46084_6084	46084	6084	0	16.336	-0.004	-0.002	0.127	23.682
46084_6085	46084	6085	0	0.258	0.004	0.002	-0.078	66.366
46085_6085	46085	6085	0	-0.258	-0.004	-0.002	0.078	-66.366
46085_6086	46085	6086	0	16.852	0.004	0.002	-0.029	-29.461
46086_6086	46086	6086	0	15.679	0.01	-0.029	0.029	29.271
46086_6087	46086	6087	0	0.914	-0.01	0.029	-0.136	53.417
46087_6087	46087	6087	0	-0.914	0.01	0.019	0.136	-53.417
46087_6088	46087	6088	0	17.509	-0.01	-0.019	-0.242	-49.762
46088_6088	46088	6088	0	15.025	-0.018	-0.01	0.242	49.764
46088_6089	46088	6089	0	5.094	0.018	0.01	0.008	17.669
46089_6089	46089	6089	0	-5.094	-0.018	-0.006	-0.008	-17.669
46089_6090	46089	6090	0	17.326	0.018	0.006	0.16	-74.89
46090_6090	46090	6090	-0.001	15.186	-0.001	-0.008	-0.16	74.753
46090_6091	46090	6091	0.001	2.22	0.001	0.008	0.168	1.412
46091_6091	46091	6091	-0.015	1.825	0.008	-0.006	-0.25	-3.181
46091_6092	46091	6092	0.015	17.511	-0.008	0.006	0.146	-100.747
46092_6092	46092	6092	-0.012	18.072	0.022	0	-0.146	100.614
46092_6093	46092	6093	0.012	0.166	-0.022	0	-0.131	11.278
46093_6093	46093	6093	-0.012	-0.166	0.022	-0.009	0.131	-11.278
46093_6094	46093	6094	0.012	18.403	-0.022	0.009	-0.408	-104.752
46094_6094	46094	6094	-0.026	19.134	-0.034	-0.005	0.408	104.747
46094_6095	46094	6095	0.026	-5.263	0.034	0.005	-0.08	11.211
46095_6095	46095	6095	-0.026	5.263	-0.034	-0.004	0.08	-11.211
46095_6096	46095	6096	0.026	6.039	0.034	0.004	0.187	8.207
46096_6096	46096	6096	-0.026	-6.039	-0.034	-0.004	-0.187	-8.207
46096_6097	46096	6097	0.026	17.355	0.034	0.004	0.455	-82.497
46097_6097	46097	6097	-0.009	17.887	0.017	0.001	-0.455	82.424
46097_6098	46097	6098	0.009	-6.221	-0.017	-0.001	0.318	13.935
46098_6098	46098	6098	-0.009	6.221	0.017	-0.017	-0.318	-13.935
46098_6099	46098	6099	0.009	5.458	-0.017	0.017	0.182	16.989
46099_6099	46099	6099	-0.009	-5.458	0.017	0.005	-0.182	-16.989
46099_6100	46099	6100	0.009	17.123	-0.017	-0.005	0.045	-73.268
46100_6100	46100	6100	0.006	17.46	-0.005	-0.019	-0.045	73.397
46100_6101	46100	6101	-0.006	-8.7	0.005	0.019	0.076	5.122
46101_6101	46101	6101	0.006	8.7	-0.005	-0.028	-0.076	-5.122

46101_6102	46101	6102	-0.006	0.06	0.005	0.028	0.106	31.054
46102_6102	46102	6102	0.006	-0.06	-0.005	0.024	-0.106	-31.054
46102_6103	46102	6103	-0.006	8.82	0.005	-0.024	0.137	4.404
46103_6103	46103	6103	0.006	-8.82	-0.005	0.017	-0.137	-4.404
46103_6104	46103	6104	-0.006	17.565	0.005	-0.017	0.167	-74.653
46104_6104	46104	6104	0.006	17.053	-0.016	0.012	-0.167	74.657
46104_6105	46104	6105	-0.006	-5.373	0.016	-0.012	0.294	15.088
46105_6105	46105	6105	0.006	5.373	-0.016	-0.006	-0.294	-15.088
46105_6106	46105	6106	-0.006	6.306	0.016	0.006	0.42	11.358
46106_6106	46106	6106	0.006	-6.306	-0.016	-0.006	-0.42	-11.358
46106_6107	46106	6107	-0.006	17.97	0.016	0.006	0.546	-85.663
46107_6107	46107	6107	0.003	17.16	0.028	0.004	-0.546	85.68
46107_6108	46107	6108	-0.003	-5.846	-0.028	-0.004	0.327	3.508
46108_6108	46108	6108	0.003	5.846	0.028	0.004	-0.327	-3.508
46108_6109	46108	6109	-0.003	5.468	-0.028	-0.004	0.107	4.972
46109_6109	46109	6109	0.003	-5.468	0.028	-0.002	-0.107	-4.972
46109_6110	46109	6110	-0.003	19.322	-0.028	0.002	-0.162	-112.708
46110_6110	46110	6110	0.001	19.158	0.002	0.008	0.162	112.71
46110_6111	46110	6111	-0.001	-0.912	-0.002	-0.008	-0.183	12.763
46111_6111	46111	6111	0.001	0.912	0.002	-0.002	0.183	-12.763
46111_6112	46111	6112	-0.001	17.335	-0.002	0.002	-0.205	-89.911
46112_6112	46112	6112	0.003	11.99	-0.111	0.005	0.205	89.828
46112_6113	46112	6113	-0.003	7.337	0.111	-0.005	1.263	-59.014
46113_6113	46113	6113	0.012	2.338	0.007	0.004	0.121	-19.793
46113_6114	46113	6114	-0.012	14.774	-0.007	-0.004	-0.201	-53.292
46114_6114	46114	6114	0.012	17.345	-0.001	-0.005	0.201	53.3
46114_6115	46114	6115	-0.012	-5.331	0.001	0.005	-0.192	40.253
46115_6115	46115	6115	0.012	5.331	-0.001	0.014	0.192	-40.253
46115_6116	46115	6116	-0.012	15.203	0.001	-0.014	-0.175	-29.357
46116_6116	46116	6116	0.012	17.012	-0.002	-0.026	0.175	29.373
46116_6117	46116	6117	-0.012	-0.702	0.002	0.026	-0.151	69.841
46117_6117	46117	6117	0.012	0.702	-0.002	0.037	0.151	-69.841
46117_6118	46117	6118	-0.012	15.608	0.002	-0.037	-0.128	-13.648
46118_6118	46118	6118	0.011	16.255	-0.002	-0.032	0.128	13.408
46118_6119	46118	6119	-0.011	0.053	0.002	0.032	-0.106	77.335
46119_6119	46119	6119	0.011	-0.053	-0.002	0.038	0.106	-77.335
46119_6120	46119	6120	-0.011	16.347	0.002	-0.038	-0.085	-14.435
46120_6120	46120	6120	0.011	17.406	-0.002	-0.039	0.085	14.722
46120_6121	46120	6121	-0.011	0.126	0.002	0.039	-0.062	89.316
46121_6121	46121	6121	0.011	-0.126	-0.002	0.037	0.062	-89.316
46121_6122	46121	6122	-0.011	17.643	0.002	-0.037	-0.039	-17.574
46122_6122	46122	6122	0.011	16.112	-0.005	-0.036	0.039	17.574
46122_6123	46122	6123	-0.011	0.195	0.005	0.036	0.015	71.567
46123_6123	46123	6123	0.011	-0.195	-0.005	0.027	-0.015	-71.567
46123_6124	46123	6124	-0.011	16.503	0.005	-0.027	0.07	-21.947
46124_6124	46124	6124	0.011	15.458	0.005	-0.007	-0.07	21.957
46124_6125	46124	6125	-0.011	0.85	-0.005	0.007	0.017	59.85
46125_6125	46125	6125	0.011	-0.85	0.005	-0.007	-0.017	-59.85
46125_6126	46125	6126	-0.011	17.158	-0.005	0.007	-0.036	-40.998
46126_6126	46126	6126	0.011	14.606	-0.026	-0.016	0.036	40.998
46126_6127	46126	6127	-0.011	5.196	0.026	0.016	0.315	22.992
46127_6127	46127	6127	0.011	-5.196	-0.026	0.005	-0.315	-22.992
46127_6128	46127	6128	-0.011	17.208	0.026	-0.005	0.528	-69.423
46128_6128	46128	6128	0.007	14.94	0.039	-0.004	-0.528	69.258
46128_6129	46128	6129	-0.007	2.167	-0.039	0.004	0.065	5.785

46129_6129	46129	6129	-0.013	2.139	0.078	-0.01	-0.483	-7.072
46129_6130	46129	6130	0.013	17.16	-0.078	0.01	-0.556	-92.445
46130_6130	46130	6130	0.008	17.339	-0.119	-0.007	0.556	92.343
46130_6131	46130	6131	-0.008	0.867	0.119	0.007	0.928	10.611
46131_6131	46131	6131	0.008	-0.867	-0.119	-0.007	-0.928	-10.611
46131_6132	46131	6132	-0.008	19.073	0.119	0.007	2.412	-114.009
46132_6132	46132	6132	-2.428	18.353	0.193	0.001	-2.412	87.432
46132_6133	46132	6133	2.428	-4.517	-0.193	-0.001	0.58	21.201
46133_6133	46133	6133	-2.428	4.517	0.195	-0.016	-0.58	-21.201
46133_6134	46133	6134	2.428	6.771	-0.195	0.016	-0.931	12.466
46134_6134	46134	6134	-2.428	-6.771	0.192	0	0.931	-12.466
46134_6135	46134	6135	2.428	18.059	-0.192	0	-2.417	-83.748
46135_6135	46135	6135	-2.423	18.184	-0.065	0.002	2.417	83.873
46135_6136	46135	6136	2.423	-6.532	0.065	-0.002	-1.899	14.995
46136_6136	46136	6136	-2.423	6.532	-0.062	-0.017	1.899	-14.995
46136_6137	46136	6137	2.423	5.12	0.062	0.017	-1.407	20.642
46137_6137	46137	6137	-2.423	-5.12	-0.065	0.009	1.407	-20.642
46137_6138	46137	6138	2.423	16.772	0.065	-0.009	-0.889	-66.931
46138_6138	46138	6138	-2.429	17.318	-0.022	-0.019	0.889	66.812
46138_6139	46138	6139	2.429	-8.579	0.022	0.019	-0.757	10.88
46139_6139	46139	6139	-2.429	8.579	-0.018	-0.037	0.757	-10.88
46139_6140	46139	6140	2.429	0.16	0.018	0.037	-0.648	36.134
46140_6140	46140	6140	-2.429	-0.16	-0.022	0.023	0.648	-36.134
46140_6141	46140	6141	2.429	8.9	0.022	-0.023	-0.515	8.953
46141_6141	46141	6141	-2.429	-8.9	-0.022	0.023	0.515	-8.953
46141_6142	46141	6142	2.429	17.639	0.022	-0.023	-0.382	-70.664
46142_6142	46142	6142	-2.429	16.882	-0.042	0.008	0.382	70.557
46142_6143	46142	6143	2.429	-5.229	0.042	-0.008	-0.049	17.891
46143_6143	46143	6143	-2.429	5.229	-0.039	-0.015	0.049	-17.891
46143_6144	46143	6144	2.429	6.423	0.039	0.015	0.26	13.119
46144_6144	46144	6144	-2.429	-6.423	-0.042	0.002	-0.26	-13.119
46144_6145	46144	6145	2.429	18.075	0.042	-0.002	0.593	-84.874
46145_6145	46145	6145	-2.423	17.138	0	-0.001	-0.593	84.786
46145_6146	46145	6146	2.423	-5.85	0	0.001	0.591	4.293
46146_6146	46146	6146	-2.423	5.85	-0.003	0.005	-0.591	-4.293
46146_6147	46146	6147	2.423	5.438	0.003	-0.005	0.614	5.888
46147_6147	46147	6147	-2.423	-5.438	0.001	-0.005	-0.614	-5.888
46147_6148	46147	6148	2.423	19.275	-0.001	0.005	0.604	-111.505
46148_6148	46148	6148	-2.39	19.324	0.022	0.007	-0.604	111.465
46148_6149	46148	6149	2.39	-1.117	-0.022	-0.007	0.328	16.296
46149_6149	46149	6149	-2.39	1.117	0.024	-0.006	-0.328	-16.296
46149_6150	46149	6150	2.39	17.089	-0.024	0.006	0.027	-83.534
46150_6150	46150	6150	-2.388	10.755	-0.049	0.008	-0.027	83.437
46150_6151	46150	6151	2.388	8.543	0.049	-0.008	0.671	-68.782
46151_6151	46151	6151	-1.591	2.669	0.001	-0.006	-0.138	-26.34
46151_6152	46151	6152	1.591	15.182	-0.001	0.006	0.13	-47.172
46152_6152	46152	6152	-1.592	17.667	0.001	0.018	-0.13	47.025
46152_6153	46152	6153	1.592	-5.148	-0.001	-0.018	0.121	46.976
46153_6153	46153	6153	-1.592	5.148	0.002	-0.005	-0.121	-46.976
46153_6154	46153	6154	1.592	15.741	-0.002	0.005	0.096	-25.851
46154_6154	46154	6154	-1.592	17.383	0.003	0.003	-0.096	25.851
46154_6155	46154	6155	1.592	-0.671	-0.003	-0.003	0.065	73.448
46155_6155	46155	6155	-1.592	0.671	0.003	0.003	-0.065	-73.448
46155_6156	46155	6156	1.592	16.04	-0.003	-0.003	0.035	-11.084
46156_6156	46156	6156	-1.592	15.604	0.002	-0.033	-0.035	11.084

46156_6157	46156	6157	1.592	-0.412	-0.002	0.033	0.012	69
46157_6157	46157	6157	-1.592	0.412	0.001	0.036	-0.012	-69
46157_6158	46157	6158	1.592	14.795	-0.001	-0.036	0.004	-2.991
46158_6158	46158	6158	-1.592	14.354	0.002	-0.001	-0.004	2.796
46158_6159	46158	6159	1.592	0.838	-0.002	0.001	-0.019	64.785
46159_6159	46159	6159	-1.592	-0.838	0.002	-0.001	0.019	-64.785
46159_6160	46159	6160	1.592	16.046	-0.002	0.001	-0.041	-19.721
46160_6160	46160	6160	-1.592	15.545	0.001	-0.003	0.041	19.721
46160_6161	46160	6161	1.592	1.166	-0.001	0.003	-0.05	59.364
46161_6161	46161	6161	-1.592	-1.166	0.001	-0.003	0.05	-59.364
46161_6162	46161	6162	1.592	17.878	-0.001	0.003	-0.059	-45.383
46162_6162	46162	6162	-1.592	15.483	0.003	-0.008	0.059	45.383
46162_6163	46162	6163	1.592	5.391	-0.003	0.008	-0.095	23.952
46163_6163	46163	6163	-1.592	-5.391	0.002	0.003	0.095	-23.952
46163_6164	46163	6164	1.592	17.925	-0.002	-0.003	-0.11	-72.228
46164_6164	46164	6164	-1.592	15.551	0.001	-0.001	0.11	72.355
46164_6165	46164	6165	1.592	2.3	-0.001	0.001	-0.119	5.496
46165_6165	46165	6165	-1.852	2.256	-0.006	-0.005	0.16	-6.407
46165_6166	46165	6166	1.852	18.41	0.006	0.005	-0.086	-100.621
46166_6166	46166	6166	-1.852	19.176	-0.001	0.004	0.086	100.622
46166_6167	46166	6167	1.852	0.321	0.001	-0.004	-0.068	17.224
46167_6167	46167	6167	-1.852	-0.321	0	-0.01	0.068	-17.224
46167_6168	46167	6168	1.852	19.817	0	0.01	-0.068	-108.645
46168_6168	46168	6168	-1.852	20.507	-0.002	0.005	0.068	108.646
46168_6169	46168	6169	1.852	-5.69	0.002	-0.005	-0.053	15.792
46169_6169	46169	6169	-1.852	5.69	0	-0.006	0.053	-15.792
46169_6170	46169	6170	1.852	6.398	0	0.006	-0.049	13.045
46170_6170	46170	6170	-1.852	-6.398	0	-0.006	0.049	-13.045
46170_6171	46170	6171	1.852	18.486	0	0.006	-0.046	-83.384
46171_6171	46171	6171	-1.849	19.277	-0.002	0.006	0.046	83.292
46171_6172	46171	6172	1.849	-6.799	0.002	-0.006	-0.028	21.018
46172_6172	46172	6172	-1.849	6.799	0	-0.02	0.028	-21.018
46172_6173	46172	6173	1.849	5.678	0	0.02	-0.027	25.503
46173_6173	46173	6173	-1.849	-5.678	-0.002	0.011	0.027	-25.503
46173_6174	46173	6174	1.849	18.156	0.002	-0.011	-0.009	-69.839
46174_6174	46174	6174	-1.85	18.668	-0.001	0	0.009	69.739
46174_6175	46174	6175	1.85	-9.309	0.001	0	-0.003	14.196
46175_6175	46175	6175	-1.85	9.309	-0.001	0	0.003	-14.196
46175_6176	46175	6176	1.85	0.049	0.001	0	0.003	41.979
46176_6176	46176	6176	-1.85	-0.049	-0.001	0	-0.003	-41.979
46176_6177	46176	6177	1.85	9.407	0.001	0	0.009	13.61
46177_6177	46177	6177	-1.85	-9.407	-0.001	0	-0.009	-13.61
46177_6178	46177	6178	1.85	18.766	0.001	0	0.015	-70.912
46178_6178	46178	6178	-1.85	18.119	-0.001	-0.012	-0.015	70.81
46178_6179	46178	6179	1.85	-5.641	0.001	0.012	0.021	24.234
46179_6179	46179	6179	-1.85	5.641	-0.003	0.018	-0.021	-24.234
46179_6180	46179	6180	1.85	6.836	0.003	-0.018	0.045	19.454
46180_6180	46180	6180	-1.85	-6.836	-0.001	-0.006	-0.045	-19.454
46180_6181	46180	6181	1.85	19.314	0.001	0.006	0.05	-85.152
46181_6181	46181	6181	-1.847	18.284	0.002	0.007	-0.05	85.062
46181_6182	46181	6182	1.847	-6.196	-0.002	-0.007	0.032	9.799
46182_6182	46182	6182	-1.847	6.196	0.005	-0.006	-0.032	-9.799
46182_6183	46182	6183	1.847	5.892	-0.005	0.006	-0.004	10.976
46183_6183	46183	6183	-1.847	-5.892	0.003	0.001	0.004	-10.976
46183_6184	46183	6184	1.847	20.709	-0.003	-0.001	-0.037	-115.386

46184_6184	46184	6184	-1.832	20.595	-0.012	0.002	0.037	115.294
46184_6185	46184	6185	1.832	-1.098	0.012	-0.002	0.118	20.293
46185_6185	46185	6185	-1.832	1.098	-0.012	0.002	-0.118	-20.293
46185_6186	46185	6186	1.832	18.382	0.012	-0.002	0.273	-87.649
46186_6186	46186	6186	-1.834	12.98	0.016	-0.004	-0.273	87.751
46186_6187	46186	6187	1.834	7.687	-0.016	0.004	0.065	-52.685
46187_6187	46187	6187	-1.298	3.157	0.001	0.008	-0.026	-37.345
46187_6188	46187	6188	1.298	15.959	-0.001	-0.008	0.012	-37.87
46188_6188	46188	6188	-1.298	18.501	0.001	-0.05	-0.012	38.013
46188_6189	46188	6189	1.298	-5.079	-0.001	0.05	0.007	59.257
46189_6189	46189	6189	-1.298	5.079	-0.001	0.036	-0.007	-59.257
46189_6190	46189	6190	1.298	17.291	0.001	-0.036	0.026	-24.705
46190_6190	46190	6190	-1.298	18.473	0.003	0.003	-0.026	24.704
46190_6191	46190	6191	1.298	-0.576	-0.003	-0.003	-0.004	80.068
46191_6191	46191	6191	-1.298	0.576	0.003	0.003	0.004	-80.068
46191_6192	46191	6192	1.298	17.32	-0.003	-0.003	-0.034	-12.023
46192_6192	46192	6192	-1.298	16.574	0	0.001	0.034	12.023
46192_6193	46192	6193	1.298	-0.305	0	-0.001	-0.038	72.378
46193_6193	46193	6193	-1.298	0.305	0	0.001	0.038	-72.378
46193_6194	46193	6194	1.298	15.98	0	-0.001	-0.043	-6.078
46194_6194	46194	6194	-1.298	15.323	0.002	-0.002	0.043	6.079
46194_6195	46194	6195	1.298	0.962	-0.002	0.002	-0.063	65.8
46195_6195	46195	6195	-1.298	-0.962	0.002	-0.002	0.063	-65.8
46195_6196	46195	6196	1.298	17.248	-0.002	0.002	-0.082	-25.344
46196_6196	46196	6196	-1.298	16.656	-0.002	-0.004	0.082	25.344
46196_6197	46196	6197	1.298	1.24	0.002	0.004	-0.065	59.447
46197_6197	46197	6197	-1.298	-1.24	-0.002	-0.004	0.065	-59.447
46197_6198	46197	6198	1.298	19.136	0.002	0.004	-0.048	-52.626
46198_6198	46198	6198	-1.298	16.652	0.001	0.008	0.048	52.627
46198_6199	46198	6199	1.298	5.702	-0.001	-0.008	-0.068	22.607
46199_6199	46199	6199	-1.298	-5.702	0.003	-0.025	0.068	-22.607
46199_6200	46199	6200	1.298	19.124	-0.003	0.025	-0.096	-79.801
46200_6200	46200	6200	-1.298	16.838	-0.005	-0.004	0.096	79.802
46200_6201	46200	6201	1.298	2.278	0.005	0.004	-0.042	5.74
46201_6201	46201	6201	-1.498	2.555	-0.02	-0.004	0.182	-8.404
46201_6202	46201	6202	1.498	19.844	0.02	0.004	0.08	-106.142
46202_6202	46202	6202	-1.499	20.698	0.032	-0.003	-0.08	106.141
46202_6203	46202	6203	1.499	0.434	-0.032	0.003	-0.325	20.51
46203_6203	46203	6203	-1.499	-0.434	0.032	-0.003	0.325	-20.51
46203_6204	46203	6204	1.499	21.565	-0.032	0.003	-0.731	-116.991
46204_6204	46204	6204	-1.498	22.202	-0.022	-0.001	0.731	116.991
46204_6205	46204	6205	1.498	-6.142	0.022	0.001	-0.518	17.651
46205_6205	46205	6205	-1.498	6.142	-0.021	-0.013	0.518	-17.651
46205_6206	46205	6206	1.498	6.959	0.021	0.013	-0.352	14.485
46206_6206	46206	6206	-1.498	-6.959	-0.023	0.006	0.352	-14.485
46206_6207	46206	6207	1.498	20.061	0.023	-0.006	-0.171	-90.222
46207_6207	46207	6207	-1.498	20.757	-0.038	-0.009	0.171	90.22
46207_6208	46207	6208	1.498	-7.233	0.038	0.009	0.13	21.746
46208_6208	46208	6208	-1.498	7.233	-0.039	0.018	-0.13	-21.746
46208_6209	46208	6209	1.498	6.291	0.039	-0.018	0.445	25.515
46209_6209	46209	6209	-1.498	-6.291	-0.038	-0.014	-0.445	-25.515
46209_6210	46209	6210	1.498	19.815	0.038	0.014	0.746	-78.912
46210_6210	46210	6210	-1.498	20.257	-0.009	0	-0.746	78.913
46210_6211	46210	6211	1.498	-10.114	0.009	0	0.801	12.201
46211_6211	46211	6211	-1.498	10.114	-0.009	0	-0.801	-12.201

46211_6212	46211	6212	1.498	0.03	0.009	0	0.857	42.454
46212_6212	46212	6212	-1.498	-0.03	-0.009	0	-0.857	-42.454
46212_6213	46212	6213	1.498	10.173	0.009	0	0.912	11.846
46213_6213	46213	6213	-1.498	-10.173	-0.009	0	-0.912	-11.846
46213_6214	46213	6214	1.498	20.316	0.009	0	0.967	-79.624
46214_6214	46214	6214	-1.499	19.796	0.026	0.001	-0.967	79.622
46214_6215	46214	6215	1.499	-6.272	-0.026	-0.001	0.759	24.653
46215_6215	46215	6215	-1.499	6.272	0.026	0.001	-0.759	-24.653
46215_6216	46215	6216	1.499	7.252	-0.026	-0.001	0.55	20.733
46216_6216	46216	6216	-1.499	-7.252	0.026	0.001	-0.55	-20.733
46216_6217	46216	6217	1.499	20.776	-0.026	-0.001	0.342	-91.381
46217_6217	46217	6217	-1.498	19.825	0.021	0.014	-0.342	91.377
46217_6218	46217	6218	1.498	-6.723	-0.021	-0.014	0.18	11.499
46218_6218	46218	6218	-1.498	6.723	0.023	-0.001	-0.18	-11.499
46218_6219	46218	6219	1.498	6.378	-0.023	0.001	0.004	12.835
46219_6219	46219	6219	-1.498	-6.378	0.023	-0.002	-0.004	-12.835
46219_6220	46219	6220	1.498	22.421	-0.023	0.002	-0.214	-123.821
46220_6220	46220	6220	-1.552	22.339	0.052	0.002	0.214	123.824
46220_6221	46220	6221	1.552	-1.206	-0.052	-0.002	-0.866	23.347
46221_6221	46221	6221	-1.552	1.206	0.052	0.002	0.866	-23.347
46221_6222	46221	6222	1.552	19.928	-0.052	-0.002	-1.519	-93.678
46222_6222	46222	6222	-1.557	14.834	-0.481	-0.006	1.519	93.667
46222_6223	46222	6223	1.557	7.568	0.481	0.006	4.859	-45.52
46223_6223	46223	6223	-0.586	2.888	0.009	0.013	-0.189	-31.708
46223_6224	46223	6224	0.586	17.818	-0.009	-0.013	0.082	-56.018
46224_6224	46224	6224	-0.587	20.919	0.016	0.041	-0.082	55.882
46224_6225	46224	6225	0.587	-6.395	-0.016	-0.041	-0.05	56.693
46225_6225	46225	6225	-0.587	6.395	0.017	-0.018	0.05	-56.693
46225_6226	46225	6226	0.587	20.399	-0.017	0.018	-0.304	-49.781
46226_6226	46226	6226	-0.587	21.086	-0.004	0.26	0.304	49.889
46226_6227	46226	6227	0.587	-0.41	0.004	-0.26	-0.254	76.236
46227_6227	46227	6227	-0.587	0.41	0	-0.259	0.254	-76.236
46227_6228	46227	6228	0.587	20.27	0	0.259	-0.252	-40.316
46228_6228	46228	6228	-0.587	20.36	0.014	0.029	0.252	40.273
46228_6229	46228	6229	0.587	0.308	-0.014	-0.029	-0.417	77.333
46229_6229	46229	6229	-0.587	-0.308	0.015	-0.034	0.417	-77.333
46229_6230	46229	6230	0.587	20.994	-0.015	0.034	-0.588	-47.707
46230_6230	46230	6230	-0.585	20.591	-0.011	0.294	0.588	47.575
46230_6231	46230	6231	0.585	0.818	0.011	-0.294	-0.452	72.546
46231_6231	46231	6231	-0.585	-0.818	-0.006	-0.302	0.452	-72.546
46231_6232	46231	6232	0.585	22.234	0.006	0.302	-0.374	-67.551
46232_6232	46232	6232	-0.583	20.826	0.02	-0.013	0.374	67.63
46232_6233	46232	6233	0.583	1.249	-0.02	0.013	-0.624	55.005
46233_6233	46233	6233	-0.583	-1.249	0.02	0.003	0.624	-55.005
46233_6234	46233	6234	0.583	20.835	-0.02	-0.003	-0.843	-67.742
46234_6234	46234	6234	-0.309	16.028	-0.069	0.054	0.843	63.55
46234_6235	46234	6235	0.309	1.918	0.069	-0.054	-0.137	8.303
46235_6235	46235	6235	-0.26	2.637	-0.268	-0.073	1.99	-3.739
46235_6236	46235	6236	0.26	15.945	0.268	0.073	0.675	-62.288
46236_6236	46236	6236	-0.278	16.969	0.218	0.01	-0.675	62.393
46236_6237	46236	6237	0.278	1.029	-0.218	-0.01	-1.419	14.212
46237_6237	46237	6237	-0.277	-1.029	0.218	-0.006	1.419	-14.212
46237_6238	46237	6238	0.277	20.68	-0.218	0.006	-3.707	-99.691
46238_6238	46238	6238	-0.261	23.669	-0.172	0.133	3.707	99.806
46238_6239	46238	6239	0.261	-0.19	0.172	-0.133	-1.545	49.776

46239_6239	46239	6239	-0.262	0.19	-0.171	-0.155	1.545	-49.776
46239_6240	46239	6240	0.262	22.211	0.171	0.155	0.499	-81.938
46240_6240	46240	6240	-0.269	20.29	-0.071	0.026	-0.499	81.929
46240_6241	46240	6241	0.269	-1.596	0.071	-0.026	1.205	27.313
46241_6241	46241	6241	-0.27	1.596	-0.07	-0.026	-1.205	-27.313
46241_6242	46241	6242	0.27	16.443	0.07	0.026	1.881	-44.198
46242_6242	46242	6242	-0.27	17.725	-0.068	0.006	-1.881	44.26
46242_6243	46242	6243	0.27	1.458	0.068	-0.006	2.573	39.065
46243_6243	46243	6243	-0.27	-1.458	-0.068	0.003	-2.573	-39.065
46243_6244	46243	6244	0.27	19.026	0.068	-0.003	3.206	-57.021
46244_6244	46244	6244	-0.277	18.928	0.091	0.178	-3.206	57.01
46244_6245	46244	6245	0.277	-1.427	-0.091	-0.178	2.355	38.108
46245_6245	46245	6245	-0.276	1.427	0.094	-0.151	-2.355	-38.108
46245_6246	46245	6246	0.276	17.819	-0.094	0.151	1.393	-46.129
46246_6246	46246	6246	-0.27	15.952	-0.201	-0.002	-1.393	46.151
46246_6247	46246	6247	0.27	2.861	0.201	0.002	3.411	19.613
46247_6247	46247	6247	-0.27	-2.861	-0.201	0.007	-3.411	-19.613
46247_6248	46247	6248	0.27	20.79	0.201	-0.007	5.334	-93.606
46248_6248	46248	6248	-0.282	22.379	0.466	0.265	-5.334	93.688
46248_6249	46248	6249	0.282	2.471	-0.466	-0.265	-0.848	38.409
46249_6249	46249	6249	-0.275	-2.471	0.47	-0.304	0.848	-38.409
46249_6250	46249	6250	0.275	23.498	-0.47	0.304	-6.125	-107.392
46250_6250	46250	6250	-0.2	21.772	-0.305	-0.006	6.125	107.406
46250_6251	46250	6251	0.2	0.78	0.305	0.006	-2.456	19.005
46251_6251	46251	6251	-0.2	-0.78	-0.305	0.009	2.456	-19.005
46251_6252	46251	6252	0.2	18.715	0.305	-0.009	0.463	-74.356
46252_6252	46252	6252	-0.209	16.402	0.058	-0.017	-0.463	74.33
46252_6253	46252	6253	0.209	5.172	-0.058	0.017	-0.211	-9.639
46253_6253	46253	6253	-0.209	-5.172	0.059	0.03	0.211	9.639
46253_6254	46253	6254	0.209	24.082	-0.059	-0.03	-0.812	-157.343
46254_6254	46254	6254	0.002	23.173	-0.024	0.013	0.591	45.06
46254_6255	46254	6255	-0.002	-1.045	0.024	-0.013	-0.328	90.522
46255_6255	46255	6255	0.002	1.045	-0.024	0.023	0.328	-90.522
46255_6256	46255	6256	-0.002	25.244	0.024	-0.023	-0.015	-70.433
46256_6256	46256	6256	0.002	23.958	0.024	0.289	0.015	70.472
46256_6257	46256	6257	-0.002	-1.232	-0.024	-0.289	-0.296	74.361
46257_6257	46257	6257	0.002	1.232	0.024	-0.254	0.296	-74.361
46257_6258	46257	6258	-0.002	21.595	-0.024	0.254	-0.579	-43.237
46258_6258	46258	6258	0.002	22.471	0.007	0.036	0.579	43.432
46258_6259	46258	6259	-0.002	0.648	-0.007	-0.036	-0.658	84.215
46259_6259	46259	6259	0.002	-0.648	0.007	-0.012	0.658	-84.215
46259_6260	46259	6260	-0.002	23.091	-0.007	0.012	-0.735	-50.584
46260_6260	46260	6260	0.003	21.981	0.011	0.355	0.735	50.762
46260_6261	46260	6261	-0.003	0.747	-0.011	-0.355	-0.86	71.342
46261_6261	46261	6261	0.003	-0.747	0.011	-0.345	0.86	-71.342
46261_6262	46261	6262	-0.003	23.587	-0.011	0.345	-0.984	-69.272
46262_6262	46262	6262	0.002	22.434	0.006	-0.031	0.984	69.104
46262_6263	46262	6263	-0.002	-0.072	-0.006	0.031	-1.046	58.224
46263_6263	46263	6263	0.002	0.072	0.006	0.009	1.046	-58.224
46263_6264	46263	6264	-0.002	25.066	-0.006	-0.009	-1.116	-100.737
46264_6264	46264	6264	0.007	24.189	-0.01	0.01	1.116	100.858
46264_6265	46264	6265	-0.007	1.92	0.01	-0.01	-0.989	46.245
46265_6265	46265	6265	-0.093	0.857	0.675	-7.043	-160.164	112.722
46265_6266	46265	6266	0.093	21.876	-0.675	7.043	152.405	-233.615
46266_6266	46266	6266	0.127	24.543	8.072	-4.128	-152.405	233.516

46266_6267	46266	6267	-0.127	-3.541	-8.072	4.128	66.63	-84.295
46267_6267	46267	6267	0.147	3.541	8.071	-3.925	-66.63	84.304
46267_6268	46267	6268	-0.147	13.399	-8.071	3.925	-2.555	-126.553
46268_6268	46268	6268	-0.009	23.187	-0.205	-0.02	2.555	126.736
46268_6269	46268	6269	0.009	2.212	0.205	0.02	0.04	5.934
46269_6269	46269	6269	-0.009	-2.212	-0.205	-0.017	-0.04	-5.934
46269_6270	46269	6270	0.009	24.087	0.205	0.017	2.275	-137.328
46270_6270	46270	6270	-0.001	29.787	0.095	0.437	-2.275	137.26
46270_6271	46270	6271	0.001	-6.355	-0.095	-0.437	1.167	73.645
46271_6271	46271	6271	0.001	6.355	0.095	-0.436	-1.167	-73.645
46271_6272	46271	6272	-0.001	18.332	-0.095	0.436	0	0.009
46372_6372	46372	6372	-0.013	14.354	-0.23	0.004	0	-0.055
46372_6373	46372	6373	0.013	4.145	0.23	-0.004	2.851	63.255
46373_6373	46373	6373	-0.013	-4.145	-0.23	-0.016	-2.851	-63.255
46373_6374	46373	6374	0.013	21.505	0.23	0.016	5.525	-85.751
46374_6374	46374	6374	-0.002	17.758	0.33	-0.01	-5.525	85.75
46374_6375	46374	6375	0.002	-1.204	-0.33	0.01	1.872	19.289
46375_6375	46375	6375	-0.002	1.204	0.33	0.007	-1.872	-19.289
46375_6376	46375	6376	0.002	13.674	-0.33	-0.007	-1.412	-42.792
46376_6376	46376	6376	0.002	14.326	0.01	0.144	1.412	42.782
46376_6377	46376	6377	-0.002	3.186	-0.01	-0.144	-1.525	22.504
46377_6377	46377	6377	0.002	-3.186	0.01	-0.13	1.525	-22.504
46377_6378	46377	6378	-0.002	20.176	-0.01	0.13	-1.633	-110.316
46378_6378	46378	6378	-0.245	19.44	-0.061	-0.02	1.633	109.34
46378_6379	46378	6379	0.245	0.167	0.061	0.02	-0.837	17.112
46379_6379	46379	6379	-0.245	-0.167	-0.061	-0.024	0.837	-17.112
46379_6380	46379	6380	0.245	16.144	0.061	0.024	-0.189	-70.089
46380_6380	46380	6380	-0.248	15.487	-0.072	0.026	0.189	69.954
46380_6381	46380	6381	0.248	0.624	0.072	-0.026	0.586	10.18
46381_6381	46381	6381	-0.249	-0.624	-0.07	-0.043	-0.586	-10.18
46381_6382	46381	6382	0.249	15.077	0.07	0.043	1.265	-65.76
46382_6382	46382	6382	-0.253	17.118	0.05	-0.003	-1.265	66.277
46382_6383	46382	6383	0.253	0.028	-0.05	0.003	0.691	31.78
46383_6383	46383	6383	-0.253	-0.028	0.05	0.012	-0.691	-31.78
46383_6384	46383	6384	0.253	17.28	-0.05	-0.012	0.116	-68.145
46384_6384	46384	6384	-0.217	15.822	-0.013	-0.006	0.24	30.398
46384_6385	46384	6385	0.217	0.423	0.013	0.006	-0.096	54.016
46385_6385	46385	6385	-0.217	-0.423	-0.013	0.028	0.096	-54.016
46385_6386	46385	6386	0.217	17.532	0.013	-0.028	0.058	-49.641
46386_6386	46386	6386	-0.217	18.439	0.008	0.279	-0.058	49.609
46386_6387	46386	6387	0.217	-1.376	-0.008	-0.279	-0.039	64.474
46387_6387	46387	6387	-0.217	1.376	0.01	-0.225	0.039	-64.475
46387_6388	46387	6388	0.217	17.104	-0.01	0.225	-0.166	-33.607
46388_6388	46388	6388	-0.216	18.057	-0.01	-0.007	0.166	33.701
46388_6389	46388	6389	0.216	0.319	0.01	0.007	-0.043	76.292
46389_6389	46389	6389	-0.216	-0.319	-0.01	0.046	0.043	-76.292
46389_6390	46389	6390	0.216	17.473	0.01	-0.046	0.073	-26.693
46390_6390	46390	6390	-0.216	17.872	0.024	0.275	-0.073	26.727
46390_6391	46390	6391	0.216	1.297	-0.024	-0.275	-0.232	80.49
46391_6391	46391	6391	-0.216	-1.297	0.025	-0.285	0.232	-80.49
46391_6392	46391	6392	0.216	17.656	-0.025	0.285	-0.509	-24.136
46392_6392	46392	6392	-0.217	17.533	-0.055	0.028	0.509	24.167
46392_6393	46392	6393	0.217	0.095	0.055	-0.028	0.14	79.557
46393_6393	46393	6393	-0.217	-0.095	-0.055	0.001	-0.14	-79.557
46393_6394	46393	6394	0.217	17.999	0.055	-0.001	0.799	-29.762

46394_6394	46394	6394	-0.213	17.473	0.173	0.309	-0.799	29.305
46394_6395	46394	6395	0.213	0.119	-0.173	-0.309	-1.261	73.716
46395_6395	46395	6395	-0.212	-0.119	0.175	-0.284	1.261	-73.716
46395_6396	46395	6396	0.212	18.041	-0.175	0.284	-3.38	-36.102
46396_6396	46396	6396	-0.221	16.757	-0.609	0.026	3.38	36.156
46396_6397	46396	6397	0.221	1.085	0.609	-0.026	3.949	58.197
46397_6397	46397	6397	-0.221	-1.085	-0.608	-0.019	-3.949	-58.197
46397_6398	46397	6398	0.221	18.763	0.608	0.019	11.207	-60.193
46398_6398	46398	6398	-0.213	17.86	0.558	0.541	-11.207	60.252
46398_6399	46398	6399	0.213	0.754	-0.558	-0.541	4.202	47.187
46399_6399	46399	6399	-0.195	-0.754	0.564	-0.901	-4.202	-47.182
46399_6400	46399	6400	0.195	11.797	-0.564	0.901	0	0.415
46572_6572	46572	6572	-0.013	14.309	-0.13	-0.002	0	-0.103
46572_6573	46572	6573	0.013	4.199	0.13	0.002	1.615	62.723
46573_6573	46573	6573	-0.013	-4.199	-0.13	-0.007	-1.615	-62.723
46573_6574	46573	6574	0.013	21.444	0.13	0.007	3.12	-85.255
46574_6574	46574	6574	0	17.762	0.022	-0.005	-3.12	85.216
46574_6575	46574	6575	0	-1.493	-0.022	0.005	2.879	19.612
46575_6575	46575	6575	0	1.493	0.022	-0.004	-2.879	-19.612
46575_6576	46575	6576	0	13.209	-0.022	0.004	2.662	-38.028
46576_6576	46576	6576	-0.003	13.911	0.286	0.134	-2.662	37.982
46576_6577	46576	6577	0.003	3.773	-0.286	-0.134	-0.717	22.012
46577_6577	46577	6577	0.001	-3.773	0.286	-0.155	0.717	-22.012
46577_6578	46577	6578	-0.001	20.925	-0.286	0.155	-3.995	-119.744
46578_6578	46578	6578	0.238	20.236	-0.195	0.001	3.995	121.516
46578_6579	46578	6579	-0.238	-0.989	0.195	-0.001	-1.477	15.186
46579_6579	46579	6579	0.237	0.989	-0.196	-0.006	1.477	-15.186
46579_6580	46579	6580	-0.237	15.222	0.196	0.006	0.644	-62.025
46580_6580	46580	6580	0.244	15.235	0.003	0.056	-0.644	62.165
46580_6581	46580	6581	-0.244	0.639	-0.003	-0.056	0.612	15.367
46581_6581	46581	6581	0.244	-0.639	0.001	-0.06	-0.612	-15.367
46581_6582	46581	6582	-0.244	15.254	-0.001	0.06	0.6	-62.365
46582_6582	46582	6582	0.248	17	0.004	0.031	-0.6	62.035
46582_6583	46582	6583	-0.248	-0.264	-0.004	-0.031	0.555	34.656
46583_6583	46583	6583	0.248	0.264	0.004	-0.005	-0.555	-34.656
46583_6584	46583	6584	-0.248	17.212	-0.004	0.005	0.512	-64.454
46584_6584	46584	6584	0.209	15.736	0.019	0.019	-0.281	27.788
46584_6585	46584	6585	-0.209	0.286	-0.019	-0.019	0.079	55.74
46585_6585	46585	6585	0.209	-0.286	0.019	0.018	-0.079	-55.74
46585_6586	46585	6586	-0.209	17.524	-0.019	-0.018	-0.139	-47.85
46586_6586	46586	6586	0.21	18.355	-0.001	0.233	0.139	48.023
46586_6587	46586	6587	-0.21	-1.494	0.001	-0.233	-0.124	64.908
46587_6587	46587	6587	0.21	1.494	-0.003	-0.173	0.124	-64.908
46587_6588	46587	6588	-0.21	17.083	0.003	0.173	-0.092	-32.808
46588_6588	46588	6588	0.209	17.919	0.002	0.002	0.092	32.362
46588_6589	46588	6589	-0.209	0.281	-0.002	-0.002	-0.121	75.954
46589_6589	46589	6589	0.209	-0.281	0.002	0.038	0.121	-75.954
46589_6590	46589	6590	-0.209	17.503	-0.002	-0.038	-0.15	-27.399
46590_6590	46590	6590	0.209	17.788	-0.006	0.288	0.15	27.001
46590_6591	46590	6591	-0.209	1.267	0.006	-0.288	-0.072	79.225
46591_6591	46591	6591	0.209	-1.267	-0.008	-0.301	0.072	-79.225
46591_6592	46591	6592	-0.209	17.619	0.008	0.301	0.011	-24.98
46592_6592	46592	6592	0.21	17.563	0.042	0.018	-0.011	25.69
46592_6593	46592	6593	-0.21	-0.172	-0.042	-0.018	-0.482	78.38
46593_6593	46593	6593	0.21	0.172	0.042	0.003	0.482	-78.38

46593_6594	46593	6594	-0.21	17.862	-0.042	-0.003	-0.994	-29.271
46594_6594	46594	6594	0.208	17.178	-0.173	0.264	0.994	29.274
46594_6595	46594	6595	-0.208	0.423	0.173	-0.264	1.06	70.232
46595_6595	46595	6595	0.207	-0.423	-0.174	-0.252	-1.06	-70.232
46595_6596	46595	6596	-0.207	18.226	0.174	0.252	3.157	-41.796
46596_6596	46596	6596	0.22	17.47	0.683	-0.016	-3.157	41.998
46596_6597	46596	6597	-0.22	0.337	-0.683	0.016	-5.05	60.954
46597_6597	46597	6597	0.219	-0.337	0.683	0.008	5.05	-60.954
46597_6598	46597	6598	-0.219	17.942	-0.683	-0.008	-13.165	-47.638
46598_6598	46598	6598	0.205	15.245	-0.787	0.006	13.165	47.616
46598_6599	46598	6599	-0.205	3.316	0.787	-0.006	-3.304	27.101
46599_6599	46599	6599	0.203	-3.316	-0.788	-0.048	3.304	-27.101
46599_6600	46599	6600	-0.203	9.532	0.788	0.048	0	0.153
47000_7000	47000	7000	0.183	437.807	1.388	3.683	0	-0.143
47000_7001	47000	7001	-0.183	-407.17	-1.388	-3.683	-14.578	4438.975
47001_7001	47001	7001	0.183	407.17	1.388	3.705	14.578	-4438.98
47001_7002	47001	7002	-0.183	-379.77	-1.388	-3.705	-27.616	8136.103
47002_7002	47002	7002	0.172	328.25	-1.157	8.667	27.616	-8136.12
47002_7003	47002	7003	-0.172	-292.944	1.157	-8.667	-13.606	11896.69
47003_7003	47003	7003	0.171	292.944	-1.157	-2.371	13.606	-11896.7
47003_7004	47003	7004	-0.171	-257.613	1.157	2.371	0.417	15231.99
47004_7004	47004	7004	0.175	213.295	-0.308	17.601	-0.417	-15232.1
47004_7005	47004	7005	-0.175	-177.996	0.308	-17.601	4.148	17600.37
47005_7005	47005	7005	0.175	177.996	-0.309	-13.118	-4.148	-17600.4
47005_7006	47005	7006	-0.175	-142.676	0.309	13.118	7.886	19542.4
47006_7006	47006	7006	0.179	102.332	0.944	18.889	-7.886	-19542.5
47006_7007	47006	7007	-0.179	-67.016	-0.944	-18.889	-3.547	20567.99
47007_7007	47007	7007	0.18	67.016	0.944	-16.96	3.547	-20568
47007_7008	47007	7008	-0.18	-31.678	-0.944	16.96	-14.983	21165.99
47008_7008	47008	7008	0.177	-7.79	-0.319	17.931	14.983	-21166.1
47008_7009	47008	7009	-0.177	43.095	0.319	-17.931	-11.124	20858.08
47009_7009	47009	7009	0.177	-43.095	-0.319	-18.404	11.124	-20858.1
47009_7010	47009	7010	-0.177	78.421	0.319	18.404	-7.258	20122.03
47010_7010	47010	7010	0.18	-117.107	0.626	13.82	7.258	-20122.3
47010_7011	47010	7011	-0.18	152.43	-0.626	-13.82	-14.842	18489.78
47011_7011	47011	7011	0.181	-152.43	0.626	-16.48	14.842	-18489.8
47011_7012	47011	7012	-0.181	187.746	-0.626	16.48	-22.421	16429.88
47012_7012	47012	7012	0.182	-227.266	0.677	9.569	22.421	-16430
47012_7013	47012	7013	-0.182	262.578	-0.677	-9.569	-30.616	13464.11
47013_7013	47013	7013	0.183	-262.578	0.676	-13.839	30.616	-13464.1
47013_7014	47013	7014	-0.183	297.912	-0.676	13.839	-38.811	10068.36
47014_7014	47014	7014	0.18	-343.39	-0.039	1.177	38.811	-10068.5
47014_7015	47014	7015	-0.18	389.586	0.039	-1.177	-38.191	4262.584
47015_7015	47015	7015	4.603	-389.559	-0.039	-4.377	38.143	-4262.47
47015_7016	47015	7016	-4.859	412.055	0.039	4.377	-37.818	952.795
47016_7016	47016	7016	15.702	-452.103	0.075	-4.021	43.359	-1723.17
47016_7017	47016	7017	-16.755	484.202	-0.075	4.021	-44.243	-3780.09
47017_7017	47017	7017	30.342	-483.541	0.074	1.788	44.543	3780.084
47017_7018	47017	7018	-32.709	522.386	-0.074	-1.788	-45.519	-10453.6
47018_7018	47018	7018	51.518	-568.042	-0.413	-21.109	43.624	10453.47
47018_7019	47018	7019	-54.95	606.536	0.413	21.109	-38.444	-17822.7
47019_7019	47019	7019	71.694	-604.786	-0.415	20.047	42.789	17822.68
47019_7020	47019	7020	-76.488	645.733	0.415	-20.047	-37.57	-25688
47020_7020	47020	7020	-2399.08	214.564	-22.559	-3.127	511.869	5670.77
47020_7021	47020	7021	2399.082	-187.993	22.559	3.127	-297.57	-3758.76

47021_7021	47021	7021	-2399.1	187.993	-21.138	-0.901	297.57	3758.759
47021_7022	47021	7022	2399.095	-168.427	21.138	0.901	-133.795	-2378.01
47022_7022	47022	7022	-2399.12	168.427	-18.06	2.15	133.795	2378.007
47022_7023	47022	7023	2399.121	-148.864	18.06	-2.15	6.115	-1149.01
47023_7023	47023	7023	-2399.16	100.911	-6.548	-0.712	-6.115	1148.925
47023_7024	47023	7024	2399.161	-80.69	6.548	0.712	58.55	-421.852
47024_7024	47024	7024	-2399.17	80.69	-3.892	-0.244	-58.55	421.852
47024_7025	47024	7025	2399.167	-60.496	3.892	0.244	89.67	142.635
47025_7025	47025	7025	-2399.17	60.496	-3.892	-0.244	-89.67	-142.635
47025_7026	47025	7026	2399.167	-40.303	3.892	0.244	120.791	545.649
47026_7026	47026	7026	-2399.17	-6.522	-3.652	-0.16	-120.791	-545.741
47026_7027	47026	7027	2399.17	21.684	3.652	0.16	142.719	461.065
47027_7027	47027	7027	-2399.17	-21.684	-4.079	-0.078	-142.719	-461.065
47027_7028	47027	7028	2399.169	36.821	4.079	0.078	167.168	285.717
47028_7028	47028	7028	-2399.17	-36.821	0.322	-0.603	-167.168	-285.717
47028_7029	47028	7029	2399.172	51.981	-0.322	0.603	165.238	19.17
47029_7029	47029	7029	-2399.17	-51.981	0.322	-0.603	-165.238	-19.17
47029_7030	47029	7030	2399.172	67.141	-0.322	0.603	163.307	-338.384
47030_7030	47030	7030	-2399.18	-113.599	1.587	-1.467	-163.307	338.369
47030_7031	47030	7031	2399.177	133.784	-1.587	1.467	150.625	-1327.06
47031_7031	47031	7031	-2399.18	-133.784	1.898	-1.295	-150.625	1327.063
47031_7032	47031	7032	2399.177	153.995	-1.898	1.295	135.437	-2478.63
47032_7032	47032	7032	-2399.17	-153.995	4.88	1.786	-135.437	2478.632
47032_7033	47032	7033	2399.173	174.202	-4.88	-1.786	96.387	-3791.77
47033_7033	47033	7033	-2399.11	-222.85	15.207	0.037	-96.387	3791.838
47033_7034	47033	7034	2399.111	242.42	-15.207	-0.037	-21.458	-5594.61
47034_7034	47034	7034	-2399.13	-242.42	12.127	-7.145	21.458	5594.606
47034_7035	47034	7035	2399.129	261.992	-12.127	7.145	-115.45	-7549.29
47035_7035	47035	7035	-2399.1	-261.992	16.723	7.315	115.45	7549.294
47035_7036	47035	7036	2399.101	288.558	-16.723	-7.315	-274.278	-10163.8
47036_7036	47036	7036	83.744	540.421	-0.244	-10.634	-19.533	31476.15
47036_7037	47036	7037	-78.949	-499.467	0.244	10.634	22.606	-24935
47037_7037	47037	7037	65.131	501.456	-0.26	9.767	-24.654	24935.05
47037_7038	47037	7038	-61.699	-462.969	0.26	-9.767	27.921	-18885.9
47038_7038	47038	7038	46.249	424.322	1.844	-5.552	-26.655	18886.25
47038_7039	47038	7039	-43.881	-385.464	-1.844	5.552	2.175	-13512.5
47039_7039	47039	7039	43.668	308.846	0.878	3.161	-1.195	2608.47
47039_7040	47039	7040	-42.627	-277.093	-0.878	-3.161	-9.126	835.948
47040_7040	47040	7040	36.187	235.526	-0.041	4.164	9.178	-835.947
47040_7041	47040	7041	-35.937	-213.496	0.041	-4.164	-8.839	2687.534
47041_7041	47041	7041	33.508	213.891	-0.105	-1.017	8.885	-2687.54
47041_7042	47041	7042	-33.508	-176.97	0.105	1.017	-7.273	5702.334
47042_7042	47042	7042	33.508	135.942	0.055	6.257	7.273	-5702.39
47042_7043	47042	7043	-33.508	-107.461	-0.055	-6.257	-7.923	7150.632
47043_7043	47043	7043	33.508	107.461	-0.001	-5.712	7.923	-7150.63
47043_7044	47043	7044	-33.508	-78.984	0.001	5.712	-7.906	8259.811
47044_7044	47044	7044	33.507	40.382	-0.066	3.362	7.906	-8259.84
47044_7045	47044	7045	-33.507	-11.884	0.066	-3.362	-7.124	8571.009
47045_7045	47045	7045	33.507	11.884	-0.091	-3.173	7.124	-8571.01
47045_7046	47045	7046	-33.507	16.589	0.091	3.173	-6.039	8543.023
47046_7046	47046	7046	33.508	-54.623	0.16	6.318	6.039	-8543.03
47046_7047	47046	7047	-33.508	83.115	-0.16	-6.318	-7.941	7723.172
47047_7047	47047	7047	33.509	-83.115	0.104	-6.61	7.941	-7723.17
47047_7048	47047	7048	-33.509	111.603	-0.104	6.61	-9.176	6564.317
47048_7048	47048	7048	33.508	-150.204	-0.066	1.6	9.176	-6564.33

47048_7049	47048	7049	-33.508	178.689	0.066	-1.6	-8.387	4607.074
47049_7049	47049	7049	33.508	-178.689	-0.094	-2.258	8.387	-4607.07
47049_7050	47049	7050	-33.508	207.173	0.094	2.258	-7.264	2310.949
47050_7050	47050	7050	33.51	-248.321	0.34	-1.252	7.264	-2310.94
47050_7051	47050	7051	-33.51	285.23	-0.34	1.252	-12.502	-1803.15
47051_7051	47051	7051	36.751	-284.83	0.284	1.626	12.521	1803.147
47051_7052	47051	7052	-36.982	305.168	-0.284	-1.626	-14.859	-4235.95
47052_7052	47052	7052	44.914	-347.11	-0.462	-7.593	14.599	4235.844
47052_7053	47052	7053	-45.874	376.394	0.462	7.593	-9.163	-8491.02
47053_7053	47053	7053	58.412	-379.896	-0.322	11.11	19.406	8931.255
47053_7054	47053	7054	-60.707	417.451	0.322	-11.11	-15.136	-14221.9
47054_7054	47054	7054	76.323	-459.035	-0.872	-16.11	13.048	14221.72
47054_7055	47054	7055	-79.64	496.138	0.872	16.11	-2.102	-20211.8
47055_7055	47055	7055	93.322	-493.747	-0.928	15.873	5.415	20211.85
47055_7056	47055	7056	-97.94	533.101	0.928	-15.873	6.266	-26668.6
47056_7056	47056	7056	-2203.16	250.716	-17.076	-5.566	320.45	7809.269
47056_7057	47056	7057	2203.163	-224.949	17.076	5.566	-158.119	-5548.3
47057_7057	47057	7057	-2203.18	224.949	-14.543	1.09	158.119	5506.262
47057_7058	47057	7058	2203.181	-204.401	14.543	-1.09	-45.395	-3842.32
47058_7058	47058	7058	-2203.2	204.401	-11.708	6.034	45.395	3842.317
47058_7059	47058	7059	2203.198	-183.855	11.708	-6.034	45.346	-2337.78
47059_7059	47059	7059	-2203.19	138.037	-6.659	-1.235	-45.346	2337.842
47059_7060	47059	7060	2203.187	-116.853	6.659	1.235	98.561	-1319.42
47060_7060	47060	7060	-2203.19	116.853	-3.713	0.529	-98.561	1319.422
47060_7061	47060	7061	2203.194	-95.644	3.713	-0.529	128.266	-469.402
47061_7061	47061	7061	-2203.2	95.644	-0.966	1.115	-128.266	469.401
47061_7062	47061	7062	2203.197	-74.437	0.966	-1.115	135.991	210.888
47062_7062	47062	7062	-2203.2	30.197	-3.042	0.579	-135.991	-211.016
47062_7063	47062	7063	2203.197	-14.278	3.042	-0.579	154.258	344.545
47063_7063	47063	7063	-2203.2	14.278	0.618	0.006	-154.258	-344.545
47063_7064	47063	7064	2203.199	1.639	-0.618	-0.006	150.545	382.489
47064_7064	47064	7064	-2203.2	-1.639	0.367	0.05	-150.545	-382.489
47064_7065	47064	7065	2203.199	17.529	-0.367	-0.05	148.342	325.044
47065_7065	47065	7065	-2203.2	-17.529	0.618	0.013	-148.342	-325.044
47065_7066	47065	7066	2203.199	33.446	-0.618	-0.013	144.629	172.018
47066_7066	47066	7066	-2203.2	-77.725	4.205	0.16	-144.629	-171.933
47066_7067	47066	7067	2203.2	98.927	-4.205	-0.16	111.001	-534.459
47067_7067	47067	7067	-2203.2	-98.927	4.205	0.16	-111.001	534.459
47067_7068	47067	7068	2203.2	120.128	-4.205	-0.16	77.372	-1410.41
47068_7068	47068	7068	-2203.2	-120.128	4.387	0.277	-77.372	1410.412
47068_7069	47068	7069	2203.199	141.356	-4.387	-0.277	42.242	-2457.34
47069_7069	47069	7069	-2203.14	-187.09	13.064	-3.59	-42.242	2457.5
47069_7070	47069	7070	2203.139	207.625	-13.064	3.59	-58.953	-3986.26
47070_7070	47070	7070	-2203.12	-207.625	15.902	1.546	58.953	3986.263
47070_7071	47070	7071	2203.12	228.158	-15.902	-1.546	-182.125	-5673.95
47071_7071	47071	7071	-2203.12	-228.158	16.118	2.408	182.125	5715.989
47071_7072	47071	7072	2203.119	253.905	-16.118	-2.408	-335.229	-8005.54
47072_7072	47072	7072	92.736	526.582	0.668	-7.45	-8.575	26878.44
47072_7073	47072	7073	-88.118	-487.201	-0.668	7.45	0.164	-20499.7
47073_7073	47073	7073	74.634	489.448	0.643	8.857	-1.826	20499.67
47073_7074	47073	7074	-71.317	-452.327	-0.643	-8.857	-6.251	-14590.7
47074_7074	47074	7074	56.301	416.695	0.234	-0.358	7.05	14590.99
47074_7075	47074	7075	-54.007	-379.158	-0.234	0.358	-10.154	-9312.84
47075_7075	47075	7075	41.104	300.876	0.387	-0.99	6.505	-2710.68
47075_7076	47075	7076	-40.175	-272.568	-0.387	0.99	-11.059	6080.937

47076_7076	47076	7076	33.891	235.544	-0.026	5.724	10.956	-6081.13
47076_7077	47076	7077	-33.668	-215.861	0.026	-5.724	-10.741	7944.004
47077_7077	47077	7077	31.214	216.229	-0.062	-3.641	10.806	-7953.09
47077_7078	47077	7078	-31.214	-180.875	0.062	3.641	-9.935	10729.2
47078_7078	47078	7078	31.213	144.329	-0.291	6.113	9.935	-10729.2
47078_7079	47078	7079	-31.213	-116.018	0.291	-6.113	-6.679	12186.75
47079_7079	47079	7079	31.213	116.018	-0.317	-4.172	6.679	-12186.7
47079_7080	47079	7080	-31.213	-87.732	0.317	4.172	-3.13	13326.33
47080_7080	47080	7080	31.214	53.659	0.137	6.968	3.13	-13326.4
47080_7081	47080	7081	-31.214	-25.377	-0.137	-6.968	-4.659	13768.45
47081_7081	47081	7081	31.214	25.377	0.107	-5.953	4.659	-13768.4
47081_7082	47081	7082	-31.214	2.93	-0.107	5.953	-5.862	13894.09
47082_7082	47082	7082	31.214	-38.344	-0.076	5.587	5.862	-13894.2
47082_7083	47082	7083	-31.214	68.751	0.076	-5.587	-4.942	13250.29
47083_7083	47083	7083	31.213	-68.751	-0.102	-5.419	4.942	-13250.3
47083_7084	47083	7084	-31.213	99.156	0.102	5.419	-3.711	12240.8
47084_7084	47084	7084	31.214	-134.286	-0.047	4.096	3.711	-12240.9
47084_7085	47084	7085	-31.214	162.587	0.047	-4.096	-3.185	10579.5
47085_7085	47085	7085	31.214	-162.587	-0.074	-4.906	3.185	-10579.5
47085_7086	47085	7086	-31.214	190.862	0.074	4.906	-2.362	8603.348
47086_7086	47086	7086	31.214	-225.115	0.086	4.524	2.362	-8603.34
47086_7087	47086	7087	-31.214	253.414	-0.086	-4.524	-3.33	5925.582
47087_7087	47087	7087	31.214	-253.414	0.031	-6.055	3.33	-5925.58
47087_7088	47087	7088	-31.214	281.711	-0.031	6.055	-3.675	2931.359
47088_7088	47088	7088	31.214	-318.016	0.092	-2.183	3.675	-2931.37
47088_7089	47088	7089	-31.214	352.032	-0.092	2.183	-4.908	-1575.54
47089_7089	47089	7089	35.214	-351.654	0.033	0.728	4.916	1584.617
47089_7090	47089	7090	-35.45	372.443	-0.033	-0.728	-5.186	-4570.57
47090_7090	47090	7090	44.648	-408.901	-0.435	-9.097	4.882	4570.471
47090_7091	47090	7091	-45.629	438.806	0.435	9.097	0.235	-9552.9
47091_7091	47091	7091	60.155	-441.565	-0.246	6.37	6.423	9899.732
47091_7092	47091	7092	-62.406	478.499	0.246	-6.37	-3.157	-16004.9
47092_7092	47092	7092	79.577	-518.74	-0.696	-18.416	1.133	16004.63
47092_7093	47092	7093	-82.834	555.263	0.696	18.416	7.604	-22741.3
47093_7093	47093	7093	98.139	-552.763	-0.749	17.918	-3.88	22741.32
47093_7094	47093	7094	-102.68	591.541	0.749	-17.918	13.309	-29938.5
47094_7094	47094	7094	-2389.74	229.098	-11.568	-5.378	173.26	8232.829
47094_7095	47094	7095	2389.742	-203.778	11.568	5.378	-63.29	-6175.35
47095_7095	47095	7095	-2389.75	203.778	-9.407	0.208	63.29	6175.356
47095_7096	47095	7096	2389.752	-183.741	9.407	-0.208	9.561	-4674.75
47096_7096	47096	7096	-2389.76	183.741	-6.219	6.443	-9.561	4674.741
47096_7097	47096	7097	2389.762	-163.68	6.219	-6.443	57.787	-3327.73
47097_7097	47097	7097	-2389.77	120.104	-0.578	-3.029	-57.787	3327.717
47097_7098	47097	7098	2389.768	-99.421	0.578	3.029	62.407	-2450.21
47098_7098	47098	7098	-2389.77	99.421	2.507	0.134	-62.407	2450.215
47098_7099	47098	7099	2389.767	-78.713	-2.507	-0.134	42.342	-1737.3
47099_7099	47099	7099	-2389.76	78.713	5.491	2.303	-42.342	1737.298
47099_7100	47099	7100	2389.762	-58.006	-5.491	-2.303	-1.608	-1190.15
47100_7100	47100	7100	-2389.78	15.378	-0.609	-0.188	1.608	1190.254
47100_7101	47100	7101	2389.784	0.127	0.609	0.188	2.039	-1144.55
47101_7101	47101	7101	-2389.78	-0.127	3.497	1.778	-2.039	1144.553
47101_7102	47101	7102	2389.782	15.656	-3.497	-1.778	-18.951	-1191.92
47102_7102	47102	7102	-2389.78	-15.656	-4.461	-2.191	18.951	1191.923
47102_7103	47102	7103	2389.78	31.188	4.461	2.191	7.83	-1332.53
47103_7103	47103	7103	-2389.78	-31.188	-0.609	-0.043	-7.83	1332.535

47103_7104	47103	7104	2389.784	46.692	0.609	0.043	11.477	-1565.9
47104_7104	47104	7104	-2389.78	-89.386	-4.736	-2.048	-11.477	1565.818
47104_7105	47104	7105	2389.783	110.093	4.736	2.048	49.382	-2364.13
47105_7105	47105	7105	-2389.79	-110.093	-1.751	0.905	-49.382	2364.127
47105_7106	47105	7106	2389.787	130.799	1.751	-0.905	63.4	-3328.13
47106_7106	47106	7106	-2389.79	-130.799	-1.841	0.78	-63.4	3328.131
47106_7107	47106	7107	2389.787	151.48	1.841	-0.78	78.116	-4456.35
47107_7107	47107	7107	-2389.76	-194.897	7.651	-3.145	-78.116	4456.403
47107_7108	47107	7108	2389.759	214.955	-7.651	3.145	18.796	-6045.22
47108_7108	47108	7108	-2389.76	-214.955	7.651	-3.145	-18.796	6045.223
47108_7109	47108	7109	2389.759	235.014	-7.651	3.145	-40.524	-7789.56
47109_7109	47109	7109	-2389.75	-235.014	10.015	4.56	40.524	7789.555
47109_7110	47109	7110	2389.751	260.3	-10.015	-4.56	-135.599	-10140.7
47110_7110	47110	7110	108.949	551.126	0.198	-20.534	-7.145	32280.35
47110_7111	47110	7111	-104.409	-512.33	-0.198	20.534	4.651	-25588.7
47111_7111	47111	7111	90.228	515.016	0.127	20.356	-8.849	25588.74
47111_7112	47111	7112	-86.971	-478.479	-0.127	-20.356	7.249	-19354.9
47112_7112	47112	7112	71.333	444.589	0.35	-2.896	-5.246	19355.33
47112_7113	47112	7113	-69.082	-407.674	-0.35	2.896	0.601	-13703
47113_7113	47113	7113	52.159	329.06	0.335	1.913	8.598	1619.062
47113_7114	47113	7114	-51.188	-299.446	-0.335	-1.913	-12.542	2075.849
47114_7114	47114	7114	44.323	262.206	-0.153	2.585	12.57	-2075.9
47114_7115	47114	7115	-44.089	-241.616	0.153	-2.585	-11.307	4154.685
47115_7115	47115	7115	41.341	242.101	-0.176	0.067	11.336	-4166.57
47115_7116	47115	7116	-41.341	-209.203	0.176	-0.067	-8.873	7319.567
47116_7116	47116	7116	41.341	173.364	-0.173	4.502	8.873	-7319.57
47116_7117	47116	7117	-41.341	-147.014	0.173	-4.502	-6.934	9112.405
47117_7117	47117	7117	41.341	147.014	-0.21	-3.493	6.934	-9112.41
47117_7118	47117	7118	-41.341	-120.687	0.21	3.493	-4.591	10609.09
47118_7118	47118	7118	41.341	88.048	-0.191	0.265	4.591	-10609
47118_7119	47118	7119	-41.341	-61.699	0.191	-0.265	-2.457	11446.96
47119_7119	47119	7119	41.341	61.699	-0.191	0.265	2.457	-11447
47119_7120	47119	7120	-41.341	-35.349	0.191	-0.265	-0.322	11990.01
47120_7120	47120	7120	41.341	0.281	-0.06	9.768	0.322	-11990.1
47120_7121	47120	7121	-41.341	28.022	0.06	-9.768	0.402	11823.37
47121_7121	47121	7121	41.341	-28.022	-0.129	-9.901	-0.402	-11823.4
47121_7122	47121	7122	-41.341	56.324	0.129	9.901	1.952	11316.41
47122_7122	47122	7122	41.341	-90.821	-0.148	4.179	-1.952	-11316.4
47122_7123	47122	7123	-41.341	117.169	0.148	-4.179	3.612	10152.63
47123_7123	47123	7123	41.34	-117.169	-0.185	-4.892	-3.612	-10152.6
47123_7124	47123	7124	-41.34	143.517	0.185	4.892	5.686	8694.007
47124_7124	47124	7124	41.34	-177.304	0.007	5.291	-5.686	-8694.01
47124_7125	47124	7125	-41.34	203.651	-0.007	-5.291	5.611	6562.463
47125_7125	47125	7125	41.34	-203.651	-0.067	-6.437	-5.611	-6562.46
47125_7126	47125	7126	-41.34	229.998	0.067	6.437	6.363	4136.116
47126_7126	47126	7126	41.341	-265.761	-0.083	-0.437	-6.363	-4136.14
47126_7127	47126	7127	-41.341	297.594	0.083	0.437	7.484	327.761
47127_7127	47127	7127	44.719	-297.105	-0.138	-0.75	-7.493	-315.875
47127_7128	47127	7128	-44.934	316.009	0.138	0.75	8.633	-2213.37
47128_7128	47128	7128	53.004	-354.742	-0.552	-5.414	-8.806	2213.307
47128_7129	47128	7129	-53.896	381.953	0.552	5.414	15.295	-6543.32
47129_7129	47129	7129	68.668	-385.775	-1.536	8.701	-22.851	7031.461
47129_7130	47129	7130	-70.847	421.545	1.536	-8.701	43.241	-12388.2
47130_7130	47130	7130	86.091	-458.247	2.474	-6.593	-44.451	12388.19
47130_7131	47130	7131	-89.25	493.676	-2.474	6.593	13.405	-18359.3

47131_7131	47131	7131	106.825	-490.174	2.443	6.417	-12.062	18359.29
47131_7132	47131	7132	-111.237	525.387	-2.443	-6.417	-16.694	-24334.2
47132_7132	47132	7132	-2143.98	206.859	13.858	6.096	-166.007	6204.928
47132_7133	47132	7133	2143.981	-180.277	-13.858	-6.096	22.994	-4207.31
47133_7133	47133	7133	-2144	180.277	11.091	0.668	-22.994	4207.311
47133_7134	47133	7134	2143.997	-162.026	-11.091	-0.668	-62.964	-2880.89
47134_7134	47134	7134	-2144.02	162.026	5.569	-6.753	62.964	2880.878
47134_7135	47134	7135	2144.018	-143.752	-5.569	6.753	-106.181	-1694.45
47135_7135	47135	7135	-2144.01	104.467	-3.095	-0.899	106.181	1694.53
47135_7136	47135	7136	2144.007	-85.651	3.095	0.899	-81.452	-934.996
47136_7136	47136	7136	-2144.01	85.651	-0.398	0.277	81.452	934.996
47136_7137	47136	7137	2144.009	-66.811	0.398	-0.277	-78.266	-325.142
47137_7137	47137	7137	-2144.01	66.811	-0.398	0.277	78.266	325.142
47137_7138	47137	7138	2144.009	-47.971	0.398	-0.277	-75.08	133.993
47138_7138	47138	7138	-2144	9.796	-4.619	0.04	75.08	-134.041
47138_7139	47138	7139	2143.997	4.333	4.619	-0.04	-47.366	150.431
47139_7139	47139	7139	-2144	-4.333	-1.046	-0.21	47.366	-150.431
47139_7140	47139	7140	2144.002	18.463	1.046	0.21	-41.092	82.041
47140_7140	47140	7140	-2144	-18.463	-1.046	-0.21	41.092	-82.041
47140_7141	47140	7141	2144.002	32.593	1.046	0.21	-34.817	-71.129
47141_7141	47141	7141	-2144	-32.593	-1.046	-0.21	34.817	71.129
47141_7142	47141	7142	2144.002	46.722	1.046	0.21	-28.543	-309.077
47142_7142	47142	7142	-2143.99	-86.666	-4.383	-1.076	28.543	309.02
47142_7143	47142	7143	2143.994	105.506	4.383	1.076	6.522	-1077.72
47143_7143	47143	7143	-2144	-105.506	-1.703	0.271	-6.522	1077.722
47143_7144	47143	7144	2143.998	124.345	1.703	-0.271	20.147	-1997.14
47144_7144	47144	7144	-2144	-124.345	-1.703	0.271	-20.147	1997.138
47144_7145	47144	7145	2143.998	143.185	1.703	-0.271	33.771	-3067.27
47145_7145	47145	7145	-2144.02	-186.906	0.897	1.614	-33.771	3067.207
47145_7146	47145	7146	2144.017	205.157	-0.897	-1.614	26.817	-4586.47
47146_7146	47146	7146	-2144.02	-205.157	-1.869	-4.304	-26.817	4586.472
47146_7147	47146	7147	2144.017	223.408	1.869	4.304	41.302	-6247.2
47147_7147	47147	7147	-2144.02	-223.408	0.679	3.12	-41.302	6247.199
47147_7148	47147	7148	2144.017	247.879	-0.679	-3.12	34.852	-8485.84
47148_7148	47148	7148	120.494	489.207	-0.431	-9.044	-11.594	27682.95
47148_7149	47148	7149	-116.082	-451.521	0.431	9.044	17.018	-21765.8
47149_7149	47149	7149	103.569	454.554	-0.481	8.773	-18.807	21765.83
47149_7150	47149	7150	-100.41	-419.125	0.481	-8.773	24.846	-16285.6
47150_7150	47150	7150	86.28	383.834	1.891	-1.039	-23.95	16285.63
47150_7151	47150	7151	-84.101	-348.063	-1.891	1.039	-1.156	-11429.4
47151_7151	47151	7151	62.953	258.49	0.431	0.299	-10.136	-360.346
47151_7152	47151	7152	-62.036	-230.537	-0.431	-0.299	5.068	3234.509
47152_7152	47152	7152	56.615	190.428	-0.015	-2.994	-5.022	-3234.56
47152_7153	47152	7153	-56.394	-171.003	0.015	2.994	5.145	4725.525
47153_7153	47153	7153	54.447	171.633	0.038	1.646	-5.179	-4725.53
47153_7154	47153	7154	-54.447	-140.259	-0.038	-1.646	4.659	6869.818
47154_7154	47154	7154	54.447	101.903	0.038	0.165	-4.659	-6869.81
47154_7155	47154	7155	-54.447	-76.804	-0.038	-0.165	4.238	7852.72
47155_7155	47155	7155	54.447	76.804	0.038	0.165	-4.238	-7852.72
47155_7156	47155	7156	-54.447	-51.705	-0.038	-0.165	3.817	8559.534
47156_7156	47156	7156	54.447	17.426	0.057	-4.253	-3.817	-8559.54
47156_7157	47156	7157	-54.447	5.391	-0.057	4.253	3.25	8619.708
47157_7157	47157	7157	54.447	-5.391	0.111	4.366	-3.25	-8619.71
47157_7158	47157	7158	-54.447	28.209	-0.111	-4.366	2.14	8451.706
47158_7158	47158	7158	54.447	-58.87	0.071	-3.957	-2.14	-8451.66

47158_7159	47158	7159	-54.447	81.71	-0.071	3.957	1.426	7748.038
47159_7159	47159	7159	54.447	-81.71	0.126	3.83	-1.426	-7748.04
47159_7160	47159	7160	-54.447	104.528	-0.126	-3.83	0.166	6816.831
47160_7160	47160	7160	54.447	-139.029	0.08	-2.531	-0.166	-6816.81
47160_7161	47160	7161	-54.447	164.128	-0.08	2.531	-0.718	5149.436
47161_7161	47161	7161	54.447	-164.128	0.13	2.15	0.718	-5149.44
47161_7162	47161	7162	-54.447	189.226	-0.13	-2.15	-2.147	3205.961
47162_7162	47162	7162	54.446	-228.723	0.252	-0.28	2.147	-3205.98
47162_7163	47162	7163	-54.446	260.097	-0.252	0.28	-5.609	-154.713
47163_7163	47163	7163	57.398	-259.461	0.199	-0.193	5.607	154.713
47163_7164	47163	7164	-57.619	278.887	-0.199	0.193	-7.249	-2375.51
47164_7164	47164	7164	64.99	-320.499	-0.027	-1.949	7.19	2375.578
47164_7165	47164	7165	-65.907	348.453	0.027	1.949	-6.878	-6307.4
47165_7165	47165	7165	80.859	-353.328	0.149	2.192	9.72	6880.373
47165_7166	47165	7166	-83.067	389.538	-0.149	-2.192	-11.701	-11805.7
47166_7166	47166	7166	98.444	-437.447	0.077	-6.683	10.995	11805.55
47166_7167	47166	7167	-101.642	473.317	-0.077	6.683	-11.967	-17518.5
47167_7167	47167	7167	114.674	-470.329	0.03	6.908	13.408	17518.46
47167_7168	47167	7168	-119.137	508.456	-0.03	-6.908	-13.786	-23675
47168_7168	47168	7168	-2086.66	232.65	-2.049	-3.431	17.104	6395.548
47168_7169	47168	7169	2086.656	-207.844	2.049	3.431	2.365	-4303.16
47169_7169	47169	7169	-2086.66	207.844	0.36	1.537	-2.365	4303.16
47169_7170	47169	7170	2086.657	-189.09	-0.36	-1.537	-0.423	-2765.02
47170_7170	47170	7170	-2086.66	189.09	0.36	1.537	0.423	2765.019
47170_7171	47170	7171	2086.657	-170.336	-0.36	-1.537	-3.21	-1372.23
47171_7171	47171	7171	-2086.66	123.373	0.802	0.536	3.21	1372.128
47171_7172	47171	7172	2086.66	-104.013	-0.802	-0.536	-9.623	-462.572
47172_7172	47172	7172	-2086.66	104.013	-1.807	-0.043	9.623	462.572
47172_7173	47172	7173	2086.659	-84.654	1.807	0.043	4.831	292.113
47173_7173	47173	7173	-2086.66	84.654	0.802	-0.408	-4.831	-292.112
47173_7174	47173	7174	2086.66	-65.295	-0.802	0.408	-1.582	891.914
47174_7174	47174	7174	-2086.66	21.575	0.859	-0.429	1.582	-891.989
47174_7175	47174	7175	2086.659	-7.055	-0.859	0.429	-6.739	977.88
47175_7175	47175	7175	-2086.66	7.055	-2.618	1.2	6.739	-977.879
47175_7176	47175	7176	2086.658	7.464	2.618	-1.2	8.97	976.651
47176_7176	47176	7176	-2086.66	-7.464	0.859	-0.427	-8.97	-976.652
47176_7177	47176	7177	2086.659	21.984	-0.859	0.427	3.813	888.306
47177_7177	47177	7177	-2086.66	-21.984	0.859	-0.427	-3.813	-888.306
47177_7178	47177	7178	2086.659	36.503	-0.859	0.427	-1.344	712.842
47178_7178	47178	7178	-2086.66	-80.572	0.571	-0.424	1.344	-712.918
47178_7179	47178	7179	2086.657	99.931	-0.571	0.424	-5.916	-9.102
47179_7179	47179	7179	-2086.66	-99.931	-2.037	-0.436	5.916	9.101
47179_7180	47179	7180	2086.656	119.291	2.037	0.436	10.378	-886.005
47180_7180	47180	7180	-2086.66	-119.291	0.571	0.672	-10.378	886.005
47180_7181	47180	7181	2086.657	138.65	-0.571	-0.672	5.806	-1917.78
47181_7181	47181	7181	-2086.67	-185.823	1.193	1.986	-5.806	1917.694
47181_7182	47181	7182	2086.665	204.577	-1.193	-1.986	-3.443	-3430.51
47182_7182	47182	7182	-2086.67	-204.577	1.193	1.986	3.443	3430.513
47182_7183	47182	7183	2086.665	223.331	-1.193	-1.986	-12.692	-5088.68
47183_7183	47183	7183	-2086.67	-223.331	-1.216	-3.889	12.692	5088.68
47183_7184	47183	7184	2086.665	248.137	1.216	3.889	-1.144	-7328.2
47184_7184	47184	7184	119.186	490.991	0.23	7.763	-16.644	24853.71
47184_7185	47184	7185	-114.722	-452.864	-0.23	-7.763	13.747	-18916.9
47185_7185	47185	7185	102.172	455.86	0.279	-6.933	-12.184	18916.95
47185_7186	47185	7186	-98.974	-419.99	-0.279	6.933	8.68	-13423.1

47186_7186	47186	7186	84.553	379.98	-0.829	-0.564	-9.244	13423.13
47186_7187	47186	7187	-82.345	-343.742	0.829	0.564	20.243	-8621.18
47187_7187	47187	7187	65.005	250.184	0.321	1.299	-4.174	-3316.19
47187_7188	47187	7188	-64.047	-220.965	-0.321	-1.299	0.4	6085.278
47188_7188	47188	7188	58.805	178.747	0.025	-3.88	-0.313	-6085.27
47188_7189	47188	7189	-58.574	-158.433	-0.025	3.88	0.105	7476.189
47189_7189	47189	7189	56.77	159.089	0.08	3.359	-0.149	-7467.77
47189_7190	47189	7190	-56.77	-124.832	-0.08	-3.359	-0.953	9419.756
47190_7190	47190	7190	56.771	83.158	-0.087	0.292	0.953	-9419.76
47190_7191	47190	7191	-56.771	-55.753	0.087	-0.292	0.008	10183.78
47191_7191	47191	7191	56.771	55.753	-0.087	0.292	-0.008	-10183.8
47191_7192	47191	7192	-56.771	-28.348	0.087	-0.292	0.969	10646.34
47192_7192	47192	7192	56.77	-8.843	0.031	0.098	-0.969	-10646.3
47192_7193	47192	7193	-56.77	33.707	-0.031	-0.098	0.656	10433.99
47193_7193	47193	7193	56.77	-33.707	0.031	0.046	-0.656	-10434
47193_7194	47193	7194	-56.77	58.596	-0.031	-0.046	0.345	9972.929
47194_7194	47194	7194	56.77	-92	0.105	4.349	-0.345	-9972.98
47194_7195	47194	7195	-56.77	116.889	-0.105	-4.349	-0.7	8929.56
47195_7195	47195	7195	56.77	-116.889	0.048	-4.589	0.7	-8929.56
47195_7196	47195	7196	-56.77	141.777	-0.048	4.589	-1.177	7637.508
47196_7196	47196	7196	56.77	-178.835	0.095	-0.319	1.177	-7637.5
47196_7197	47196	7197	-56.77	206.241	-0.095	0.319	-2.223	5519.553
47197_7197	47197	7197	56.77	-206.241	0.095	-0.319	2.223	-5519.55
47197_7198	47197	7198	-56.77	233.646	-0.095	0.319	-3.268	3100.143
47198_7198	47198	7198	56.771	-275.029	-0.025	-0.7	3.268	-3100.16
47198_7199	47198	7199	-56.771	309.261	0.025	0.7	-2.932	-913.979
47199_7199	47199	7199	60.35	-308.582	-0.08	0.133	2.933	897.643
47199_7200	47199	7200	-60.595	329.737	0.08	-0.133	-2.275	-3530.86
47200_7200	47200	7200	69.262	-372.696	-0.51	2.435	2.356	3530.904
47200_7201	47200	7201	-70.279	403.113	0.51	-2.435	3.636	-8090.93
47201_7201	47201	7201	83.539	-408.725	-0.08	-4.912	0.52	8794.084
47201_7202	47201	7202	-86.041	449.229	0.08	4.912	0.536	-14487.3
47202_7202	47202	7202	103.246	-496.874	-0.556	7.575	0.45	14487.25
47202_7203	47202	7203	-106.844	536.768	0.556	-7.575	6.524	-20971.8
47203_7203	47203	7203	121.658	-533.606	-0.509	-8.909	-8.281	20971.79
47203_7204	47203	7204	-126.64	575.757	0.509	8.909	14.689	-27951
47204_7204	47204	7204	-2338.43	264.332	-7.368	2.06	186.864	8169.499
47204_7205	47204	7205	2338.433	-236.468	7.368	-2.06	-116.868	-5790.67
47205_7205	47205	7205	-2338.42	236.468	-10.147	-3.578	116.868	5504.014
47205_7206	47205	7206	2338.422	-215.218	10.147	3.578	-38.227	-3753.69
47206_7206	47206	7206	-2338.43	215.218	-7.13	1.265	38.227	3753.695
47206_7207	47206	7207	2338.433	-193.969	7.13	-1.265	17.029	-2168.08
47207_7207	47207	7207	-2338.49	143.356	-1.407	0.051	-17.029	2168.067
47207_7208	47207	7208	2338.492	-121.421	1.407	-0.051	28.289	-1108.94
47208_7208	47208	7208	-2338.49	121.421	-1.407	0.051	-28.289	1108.943
47208_7209	47208	7209	2338.492	-99.486	1.407	-0.051	39.549	-225.302
47209_7209	47209	7209	-2338.49	99.486	-4.331	-0.231	-39.549	225.302
47209_7210	47209	7210	2338.488	-77.551	4.331	0.231	74.194	482.861
47210_7210	47210	7210	-2338.51	27.452	0.174	-0.337	-74.194	-482.845
47210_7211	47210	7211	2338.51	-11.001	-0.174	0.337	73.152	598.207
47211_7211	47211	7211	-2338.51	11.001	0.174	-0.337	-73.152	-598.207
47211_7212	47211	7212	2338.51	5.45	-0.174	0.337	72.11	614.861
47212_7212	47212	7212	-2338.51	-5.45	-3.724	0.688	-72.11	-614.86
47212_7213	47212	7213	2338.507	21.902	3.724	-0.688	94.453	532.804
47213_7213	47213	7213	-2338.51	-21.902	0.174	-0.2	-94.453	-532.804

47213_7214	47213	7214	2338.51	38.353	-0.174	0.2	93.411	352.039
47214_7214	47214	7214	-2338.54	-89.205	2.478	0.539	-93.411	-352.021
47214_7215	47214	7215	2338.537	111.14	-2.478	-0.539	73.586	-449.372
47215_7215	47215	7215	-2338.54	-111.14	2.478	0.539	-73.586	449.372
47215_7216	47215	7216	2338.537	133.075	-2.478	-0.539	53.761	-1426.25
47216_7216	47216	7216	-2338.54	-133.075	-0.445	-1.244	-53.761	1426.246
47216_7217	47216	7217	2338.538	155.011	0.445	1.244	57.321	-2578.61
47217_7217	47217	7217	-2338.59	-206.43	6.588	-19.819	-57.321	2578.371
47217_7218	47217	7218	2338.587	227.679	-6.588	19.819	6.261	-4260.57
47218_7218	47218	7218	-2338.59	-227.679	6.588	-19.819	-6.261	4260.567
47218_7219	47218	7219	2338.587	248.929	-6.588	19.819	-44.798	-6107.45
47219_7219	47219	7219	-2338.42	-248.929	28.504	40.913	44.798	6394.019
47219_7220	47219	7220	2338.422	276.793	-28.504	-40.913	-315.59	-8891.22
47220_7220	47220	7220	111.252	545.996	1.425	-35.605	-20.556	28899.88
47220_7221	47220	7221	-106.27	-503.874	-1.425	35.605	2.634	-22299.7
47221_7221	47221	7221	92.241	506.631	1.277	35.262	-10.006	22299.67
47221_7222	47221	7222	-88.642	-466.73	-1.277	-35.262	-6.025	-16192.5
47222_7222	47222	7222	72.711	426.16	-2.177	-2.76	9.357	16193.97
47222_7223	47222	7223	-70.209	-385.646	2.177	2.76	19.55	-10805.8
47223_7223	47223	7223	67.555	294.123	0.886	-0.986	-13.227	-1479.14
47223_7224	47223	7224	-66.485	-262.136	-0.886	0.986	2.811	4746.828
47224_7224	47224	7224	60.195	216.032	0.562	13.495	-2.998	-4747.58
47224_7225	47224	7225	-59.937	-193.753	-0.562	-13.495	-1.641	6438.713
47225_7225	47225	7225	57.691	194.434	0.351	-10.137	1.798	-6430.68
47225_7226	47225	7226	-57.691	-152.578	-0.351	10.137	-7.052	9027.721
47226_7226	47226	7226	57.696	104.708	0.573	17.661	7.052	-9028.26
47226_7227	47226	7227	-57.696	-72.221	-0.573	-17.661	-13.704	10056
47227_7227	47227	7227	57.698	72.221	0.372	-17.278	13.704	-10056
47227_7228	47227	7228	-57.698	-39.757	-0.372	17.278	-18.023	10705.98
47228_7228	47228	7228	57.698	-6.247	0.497	22.179	18.023	-10705.7
47228_7229	47228	7229	-57.698	38.714	-0.497	-22.179	-23.798	10444.71
47229_7229	47229	7229	57.699	-38.714	0.249	-22.752	23.798	-10444.7
47229_7230	47229	7230	-57.699	71.187	-0.249	22.752	-26.691	9806.594
47230_7230	47230	7230	57.684	-118.41	1.085	15.897	26.691	-9805.49
47230_7231	47230	7231	-57.684	152.288	-1.085	-15.897	-39.841	8165.757
47231_7231	47231	7231	57.688	-152.288	0.85	-17.395	39.841	-8165.75
47231_7232	47231	7232	-57.688	186.2	-0.85	17.395	-50.153	6113.26
47232_7232	47232	7232	57.691	-238.021	0.449	12.155	50.153	-6112.59
47232_7233	47232	7233	-57.691	246.592	-0.449	-12.155	-51.53	5369.993
47233_7233	47233	7233	59.81	-246.086	0.358	3.215	51.56	-5370.01
47233_7234	47233	7234	-59.956	263.096	-0.358	-3.215	-53.694	3852.676
47234_7234	47234	7234	64.092	-262.119	0.278	-3.004	53.607	-3852.68
47234_7235	47234	7235	-64.677	286.158	-0.278	3.004	-55.935	1553.649
47235_7235	47235	7235	69.009	-285.144	0.184	-6.38	55.783	-1553.64
47235_7236	47235	7236	-69.655	301.496	-0.184	6.38	-56.822	-107.849
47236_7236	47236	7236	77.227	-343.821	-1.378	-6.209	56.765	103.784
47236_7237	47236	7237	-79.385	380.912	1.378	6.209	-41.97	-3994.66
47237_7237	47237	7237	78.705	-397.266	-2.542	4.416	146.176	6478.285
47237_7238	47237	7238	-81.502	432.073	2.542	-4.416	-121.971	-10425.8
47238_7238	47238	7238	93.282	-461.503	5.809	-25.274	119.286	10423.54
47238_7239	47238	7239	-96.88	497.038	-5.809	25.274	-174.07	-14942.3
47239_7239	47239	7239	96.573	-497.1	5.683	15.377	178.165	14942.3
47239_7240	47239	7240	-100.688	538.011	-5.683	-15.377	-237.663	-20359.6
47240_7240	47240	7240	-2172.44	287.304	-63.945	-5.092	1257.225	4910.989
47240_7241	47240	7241	2172.441	-260.561	63.945	5.092	-762.862	-2793.2

47241_7241	47241	7241	-2172.65	260.561	-56.506	4.473	762.862	2793.204
47241_7242	47241	7242	2172.647	-231.402	56.506	-4.473	-279.429	-688.709
47242_7242	47242	7242	-2172.76	231.402	-51.996	5.902	279.429	688.698
47242_7243	47242	7243	2172.76	-203.435	51.996	-5.902	147.242	1095.393
47243_7243	47243	7243	-2174.28	152.067	-16.81	3.156	-147.242	-1095.4
47243_7244	47243	7244	2174.283	-117.528	16.81	-3.156	317.6	2461.448
47244_7244	47244	7244	-2174.32	117.528	-11.653	-2.682	-317.6	-2461.45
47244_7245	47244	7245	2174.317	-85.171	11.653	2.682	428.232	3423.64
47245_7245	47245	7245	-2173.96	41.077	-12.993	4.811	-428.232	-3422.77
47245_7246	47245	7246	2173.96	-5.836	12.993	-4.811	562.586	3665.318
47246_7246	47246	7246	-2173.99	5.836	-7.473	-4.496	-562.586	-3665.32
47246_7247	47246	7247	2173.986	25.786	7.473	4.496	631.924	3572.769
47247_7247	47247	7247	-2174.01	-76.018	-2.573	6.384	-631.924	-3572.13
47247_7248	47247	7248	2174.008	108.022	2.573	-6.384	656.085	2708.03
47248_7248	47248	7248	-2174	-108.022	6.273	-4.636	-656.085	-2708.03
47248_7249	47248	7249	2174	142.915	-6.273	4.636	591.858	1423.487
47249_7249	47249	7249	-2174.36	-189.164	25.03	-0.095	-591.858	-1423.18
47249_7250	47249	7250	2174.363	223.209	-25.03	0.095	341.827	-636.456
47250_7250	47250	7250	-2174.29	-223.209	30.839	1.606	-341.827	636.454
47250_7251	47250	7251	2174.289	256.031	-30.839	-1.606	44.845	-2943.99
47251_7251	47251	7251	-2173.1	-302.92	-12.055	-51.038	-44.845	2942.58
47251_7252	47251	7252	2173.1	329.338	12.055	51.038	138.29	-5393.02
47252_7252	47252	7252	-2173.13	-329.338	-2.837	-28.161	-138.29	5393.187
47252_7253	47252	7253	2173.131	362.183	2.837	28.161	165.229	-8676.16
47253_7253	47253	7253	61.103	507.02	-47.505	100.415	21.499	23927.47
47253_7254	47253	7254	-57.599	-478.453	47.505	-100.415	325.646	-20327.3
47254_7254	47254	7254	40.449	421.001	28.781	-16.092	-310.969	20323.79
47254_7255	47254	7255	-35.974	-377.06	-28.781	16.092	-24.13	-15679.7
47255_7255	47255	7255	27.137	377.799	28.787	20.39	20.852	15679.7
47255_7256	47255	7256	-24.274	-341.108	-28.787	-20.39	-310.637	-12062.1
47256_7256	47256	7256	15.549	306.469	-12.423	-14.823	312.623	12061.41
47256_7257	47256	7257	-13.651	-273.02	12.423	14.823	-195.838	-9338.08
47257_7257	47257	7257	8.498	273.229	-12.419	1.73	194.758	9338.114
47257_7258	47257	7258	-7.686	-251.823	12.419	-1.73	-106.001	-7461.93
47258_7258	47258	7258	4.34	251.903	-12.416	9.385	105.791	7461.926
47258_7259	47258	7259	-3.966	-236.727	12.416	-9.385	-42.475	-6216.09
47259_7259	47259	7259	66.901	230.449	1.613	16.392	-9.299	-4382.06
47259_7260	47259	7260	-66.648	-206.626	-1.613	-16.392	-3.222	6077.88
47260_7260	47260	7260	64.452	207.323	1.418	-1.728	3.396	-6094.24
47260_7261	47260	7261	-64.452	-181.099	-1.418	1.728	-15.702	7779.981
47261_7261	47261	7261	64.453	181.099	1.345	-10.551	15.702	-7779.97
47261_7262	47261	7262	-64.453	-156.759	-1.345	10.551	-26.536	9140.883
47262_7262	47262	7262	64.457	97.113	0.7	11.853	26.536	-9141.06
47262_7263	47262	7263	-64.457	-62.122	-0.7	-11.853	-34.644	10063.15
47263_7263	47263	7263	64.458	62.122	0.563	-9.586	34.644	-10063.2
47263_7264	47263	7264	-64.458	-27.457	-0.563	9.586	-41.101	10577.06
47264_7264	47264	7264	64.47	-25.547	1.216	18.503	41.101	-10577.8
47264_7265	47264	7265	-64.47	60.934	-1.216	-18.503	-55.349	10071.3
47265_7265	47265	7265	64.474	-60.934	0.982	-18.136	55.349	-10071.3
47265_7266	47265	7266	-64.474	95.21	-0.982	18.136	-66.489	9185.59
47266_7266	47266	7266	64.473	-150.72	0.554	10.651	66.489	-9186.41
47266_7267	47266	7267	-64.473	185.377	-0.554	-10.651	-72.846	7258.765
47267_7267	47267	7267	64.474	-185.377	0.359	-11.295	72.846	-7258.76
47267_7268	47267	7268	-64.474	220.354	-0.359	11.295	-77.006	4910.197
47268_7268	47268	7268	64.613	-281.415	6.007	10.33	77.006	-4911.12

47268_7269	47268	7269	-64.613	293.486	-6.007	-10.33	-101.005	3762.663
47269_7269	47269	7269	68.354	-292.641	5.849	-1.648	100.993	-3746.3
47269_7270	47269	7270	-68.759	324.52	-5.849	1.648	-158.106	733.093
47270_7270	47270	7270	75.872	-322.934	5.678	-7.052	157.965	-733.092
47270_7271	47270	7271	-77.042	356.694	-5.678	7.052	-216.162	-2749.7
47271_7271	47271	7271	89.096	-418.771	-12.598	-19.423	215.507	2758.174
47271_7272	47271	7272	-91.837	465.151	12.598	19.423	-60.733	-8186.61
47272_7272	47272	7272	104.226	-462.525	-12.867	13.103	63.129	8186.606
47272_7273	47272	7273	-108.425	511.314	12.867	-13.103	97.588	-14266.6
47273_7273	47273	7273	121.684	-528.032	22.926	-41.028	-103.248	14269.34
47273_7274	47273	7274	-124.062	550.481	-22.926	41.028	-24.592	-17276.1
47274_7274	47274	7274	132.197	-548.591	22.772	-1.017	28.864	17276.15
47274_7275	47274	7275	-136.221	581.901	-22.772	1.017	-212.17	-21825.3
47275_7275	47275	7275	-2079.42	146.014	26.502	26.407	607.214	3182.214
47275_7276	47275	7276	2079.42	-125.931	-26.502	-26.407	-752.956	-2434.47
47276_7276	47276	7276	-3268.2	369.189	-65.441	-22.788	981.875	12473.83
47276_7277	47276	7277	3268.195	-354.461	65.441	22.788	-720.226	-11027.2
47277_7277	47277	7277	-3268.3	354.461	-59.857	-9.201	720.226	11313.98
47277_7278	47277	7278	3268.302	-319.597	59.857	9.201	-113.84	-7899.7
47278_7278	47278	7278	-3268.46	319.597	-50.46	13.512	113.84	7899.69
47278_7279	47278	7279	3268.461	-287.861	50.46	-13.512	351.484	-5098.82
47279_7279	47279	7279	-3268.11	219.47	-19.846	-6.796	-351.484	5099.494
47279_7280	47279	7280	3268.11	-179.291	19.846	6.796	583.187	-2771.74
47280_7280	47280	7280	-3268.16	179.291	-6.19	4.786	-583.187	2771.741
47280_7281	47280	7281	3268.164	-137.366	6.19	-4.786	658.594	-842.962
47281_7281	47281	7281	-3268.32	82.821	-2.449	-0.522	-658.594	843.009
47281_7282	47281	7282	3268.323	-46.535	2.449	0.522	688.941	-41.431
47282_7282	47282	7282	-3268.32	46.535	6.79	-0.405	-688.941	41.432
47282_7283	47282	7283	3268.316	-12.971	-6.79	0.405	611.102	299.64
47283_7283	47283	7283	-3268.81	-70.002	-6.71	-1.886	-611.102	-299.814
47283_7284	47283	7284	3268.814	101.348	6.71	1.886	682.944	-617.433
47284_7284	47284	7284	-3268.81	-101.348	6.573	0.623	-682.944	617.436
47284_7285	47284	7285	3268.814	129.794	-6.573	-0.623	619.08	-1740.28
47285_7285	47285	7285	-3269.14	-193.973	97.818	-11.365	-619.08	1740.14
47285_7286	47285	7286	3269.136	217.895	-97.818	11.365	-180.117	-3422.66
47286_7286	47286	7286	-3268.96	-217.895	103.406	-5.514	180.117	3422.677
47286_7287	47286	7287	3268.964	239.404	-103.406	5.514	-939.796	-5102.46
47287_7287	47287	7287	-3268.73	-239.404	110.68	-3.872	939.796	4815.629
47287_7288	47287	7288	3268.726	264.807	-110.68	3.872	-1826.72	-6835.85
47288_7288	47288	7288	107.866	858.454	-20.563	-28.989	328.103	33790.52
47288_7289	47288	7289	-103.439	-812.333	20.563	28.989	-66.663	-23171.9
47289_7289	47289	7289	90.625	813.86	-20.647	46.662	60.051	23171.88
47289_7290	47289	7290	-87.551	-775.523	20.647	-46.662	167.978	-14396.7
47290_7290	47290	7290	65.701	706.376	5.372	-11.846	-163.303	14399.1
47290_7291	47290	7291	-64.298	-681.467	-5.372	11.846	123.679	-9280.59
47291_7291	47291	7291	50.44	682.633	5.348	-1.014	-124.193	9280.591
47291_7292	47291	7292	-49.399	-653.679	-5.348	1.014	77.596	-3459.74
47292_7292	47292	7292	37.621	654.464	5.24	15.455	-77.872	3457.138
47292_7293	47292	7293	-37.4	-642.167	-5.24	-15.455	55.494	-688.22
47293_7293	47293	7293	28.47	590.524	-1.183	9.181	-55.251	688.374
47293_7294	47293	7294	-28.375	-570.018	1.183	-9.181	63.695	3453.686
47294_7294	47294	7294	25.744	570.143	-1.23	3.098	-63.652	-3453.7
47294_7295	47294	7295	-25.744	-545.469	1.23	-3.098	74.229	8248.526
47295_7295	47295	7295	25.741	545.469	-1.289	-15.802	-74.229	-8248.51
47295_7296	47295	7296	-25.741	-522.034	1.289	15.802	83.323	12012.76

47296_7296	47296	7296	3.26	493.981	2.399	19.883	-24.817	-6730.1
47296_7297	47296	7297	-3.26	-457.609	-2.399	-19.883	-1.535	11957.5
47297_7297	47297	7297	3.266	457.609	2.39	-11.611	1.535	-11957.5
47297_7298	47297	7298	-3.266	-419.89	-2.39	11.611	-28.765	16956.46
47298_7298	47298	7298	3.23	348.273	-0.023	44.025	28.765	-16958.4
47298_7299	47298	7299	-3.23	-311.102	0.023	-44.025	-28.508	20660.17
47299_7299	47299	7299	3.23	311.102	-0.035	-31.4	28.508	-20660.2
47299_7300	47299	7300	-3.23	-269.372	0.035	31.4	-28.07	24318.71
47300_7300	47300	7300	3.222	202.546	-0.506	45.568	28.07	-24321.5
47300_7301	47300	7301	-3.222	-162.207	0.506	-45.568	-21.906	26543.78
47301_7301	47301	7301	3.22	162.207	-0.516	-40.602	21.906	-26543.8
47301_7302	47301	7302	-3.22	-123.642	0.516	40.602	-15.891	28208.72
47302_7302	47302	7302	3.227	55.905	-0.029	52.018	15.891	-28211.5
47302_7303	47302	7303	-3.227	-13.591	0.029	-52.018	-15.521	28655.65
47303_7303	47303	7303	3.227	13.591	-0.041	-54.905	15.521	-28655.6
47303_7304	47303	7304	-3.227	22.991	0.041	54.905	-15.068	28603.71
47304_7304	47304	7304	3.225	-92.258	-0.15	50.837	15.068	-28606.9
47304_7305	47304	7305	-3.225	130.51	0.15	-50.837	-13.338	27319.92
47305_7305	47305	7305	3.224	-130.51	-0.161	-46.182	13.338	-27319.9
47305_7306	47305	7306	-3.224	171.124	0.161	46.182	-11.36	25469.69
47306_7306	47306	7306	3.237	-245.194	0.652	43.976	11.36	-25472.1
47306_7307	47306	7307	-3.237	284.541	-0.652	-43.976	-19.104	22324.09
47307_7307	47307	7307	3.239	-284.541	0.639	-45.35	19.104	-22324.1
47307_7308	47307	7308	-3.239	324.067	-0.639	45.35	-26.729	18690.86
47308_7308	47308	7308	3.254	-411.504	1.683	26.115	26.729	-18692.4
47308_7309	47308	7309	-3.254	451.233	-1.683	-26.115	-46.921	13515.61
47309_7309	47309	7309	3.261	-451.233	1.669	-30.923	46.921	-13515.6
47309_7310	47309	7310	-3.261	490.356	-1.669	30.923	-66.642	7951.96
47310_7310	47310	7310	3.169	-572.899	-4.982	-2.755	66.642	-7952.46
47310_7311	47310	7311	-3.169	617.182	4.982	2.755	0	-7.011
48000_8000	48000	8000	-0.008	12.233	-0.064	0.033	0	-0.004
48000_8001	48000	8001	0.008	2.969	0.064	-0.033	0.604	43.571
48001_8001	48001	8001	-0.008	-2.969	-0.064	0.058	-0.604	-43.571
48001_8002	48001	8002	0.008	17.748	0.064	-0.058	1.191	-51.154
48002_8002	48002	8002	-0.009	19.916	0.071	0.008	-1.191	51.078
48002_8003	48002	8003	0.009	-0.36	-0.071	-0.008	0.337	71.595
48003_8003	48003	8003	-0.009	0.36	0.071	0.075	-0.337	-71.595
48003_8004	48003	8004	0.009	19.182	-0.071	-0.075	-0.516	-42.202
48004_8004	48004	8004	-0.011	20.106	-0.019	0.023	0.516	42.391
48004_8005	48004	8005	0.011	-0.545	0.019	-0.023	-0.291	82.582
48005_8005	48005	8005	-0.011	0.545	-0.019	0.032	0.291	-82.582
48005_8006	48005	8006	0.011	19.001	0.019	-0.032	-0.067	-29.019
48006_8006	48006	8006	-0.011	19.743	0.008	0.008	0.067	28.934
48006_8007	48006	8007	0.011	-0.182	-0.008	-0.008	-0.165	91.645
48007_8007	48007	8007	-0.011	0.182	0.008	0.018	0.165	-91.645
48007_8008	48007	8008	0.011	19.364	-0.008	-0.018	-0.263	-24.347
48008_8008	48008	8008	-0.011	19.424	-0.003	-0.002	0.263	24.347
48008_8009	48008	8009	0.011	0.125	0.003	0.002	-0.228	92.369
48009_8009	48009	8009	-0.011	-0.125	-0.003	-0.002	0.228	-92.369
48009_8010	48009	8010	0.011	19.674	0.003	0.002	-0.192	-27.377
48010_8010	48010	8010	-0.012	19.264	0.001	-0.02	0.192	27.588
48010_8011	48010	8011	0.012	0.301	-0.001	0.02	-0.203	87.188
48011_8011	48011	8011	-0.012	-0.301	0.001	-0.011	0.203	-87.188
48011_8012	48011	8012	0.012	19.85	-0.001	0.011	-0.214	-34.689
48012_8012	48012	8012	-0.012	18.574	0.006	-0.025	0.214	34.689

48012_8013	48012	8013	0.012	0.979	-0.006	0.025	-0.289	71.743
48013_8013	48013	8013	-0.012	-0.979	0.006	-0.025	0.289	-71.743
48013_8014	48013	8014	0.012	20.532	-0.006	0.025	-0.364	-58.387
48014_8014	48014	8014	-0.012	20.021	-0.008	-0.033	0.364	58.323
48014_8015	48014	8015	0.012	5.345	0.008	0.033	-0.236	56.853
48015_8015	48015	8015	-0.012	-5.345	-0.008	-0.024	0.236	-56.853
48015_8016	48015	8016	0.012	18.68	0.008	0.024	-0.169	-42.259
48016_8016	48016	8016	-0.63	20.256	-0.02	-0.024	0.343	101.578
48016_8017	48016	8017	0.63	-1.541	0.02	0.024	-0.109	26.469
48017_8017	48017	8017	-0.63	1.541	-0.02	-0.032	0.109	-26.469
48017_8018	48017	8018	0.63	19.562	0.02	0.032	0.153	-92.905
48018_8018	48018	8018	-0.636	19.273	0.086	-0.02	-0.153	93.023
48018_8019	48018	8019	0.636	0.645	-0.086	0.02	-0.928	23.447
48019_8019	48019	8019	-0.636	-0.645	0.086	-0.018	0.928	-23.447
48019_8020	48019	8020	0.636	20.547	-0.086	0.018	-2.008	-108.939
48020_8020	48020	8020	-0.666	21.128	-0.06	-0.022	2.008	108.977
48020_8021	48020	8021	0.666	-5.999	0.06	0.022	-1.434	19.853
48021_8021	48021	8021	-0.666	5.999	-0.061	-0.016	1.434	-19.853
48021_8022	48021	8022	0.666	6.358	0.061	0.016	-0.965	18.458
48022_8022	48022	8022	-0.666	-6.358	-0.061	-0.013	0.965	-18.458
48022_8023	48022	8023	0.666	18.7	0.061	0.013	-0.495	-78.615
48023_8023	48023	8023	-0.663	19.306	-0.087	0	0.495	78.585
48023_8024	48023	8024	0.663	-6.563	0.087	0	0.205	24.887
48024_8024	48024	8024	-0.663	6.563	-0.087	-0.031	-0.205	-24.887
48024_8025	48024	8025	0.663	6.177	0.087	0.031	0.897	26.431
48025_8025	48025	8025	-0.663	-6.177	-0.087	0.002	-0.897	-26.431
48025_8026	48025	8026	0.663	18.92	0.087	-0.002	1.596	-73.952
48026_8026	48026	8026	-0.663	18.984	-0.016	-0.022	-1.596	73.952
48026_8027	48026	8027	0.663	-9.42	0.016	0.022	1.694	11.318
48027_8027	48027	8027	-0.664	9.42	-0.015	-0.038	-1.694	-11.318
48027_8028	48027	8028	0.664	0.127	0.015	0.038	1.785	39.167
48028_8028	48028	8028	-0.663	-0.127	-0.016	0.02	-1.785	-39.167
48028_8029	48028	8029	0.663	9.69	0.016	-0.02	1.883	9.695
48029_8029	48029	8029	-0.664	-9.69	-0.015	0.004	-1.883	-9.695
48029_8030	48029	8030	0.664	19.253	0.015	-0.004	1.974	-77.18
48030_8030	48030	8030	-0.664	18.529	0.051	-0.002	-1.974	77.141
48030_8031	48030	8031	0.664	-5.793	-0.051	0.002	1.566	20.088
48031_8031	48031	8031	-0.664	5.793	0.051	-0.005	-1.566	-20.088
48031_8032	48031	8032	0.664	6.958	-0.051	0.005	1.157	15.424
48032_8032	48032	8032	-0.664	-6.958	0.052	-0.022	-1.157	-15.424
48032_8033	48032	8033	0.664	19.692	-0.052	0.022	0.743	-91.101
48033_8033	48033	8033	-0.664	18.706	0.065	0.001	-0.743	91.116
48033_8034	48033	8034	0.664	-6.36	-0.065	-0.001	0.239	6.018
48034_8034	48034	8034	-0.664	6.36	0.066	-0.007	-0.239	-6.018
48034_8035	48034	8035	0.664	5.984	-0.066	0.007	-0.273	7.478
48035_8035	48035	8035	-0.664	-5.984	0.066	-0.004	0.273	-7.478
48035_8036	48035	8036	0.664	21.114	-0.066	0.004	-0.897	-121.215
48036_8036	48036	8036	-0.677	21.066	-0.041	-0.001	0.897	121.262
48036_8037	48036	8037	0.677	-1.15	0.041	0.001	-0.387	17.63
48037_8037	48037	8037	-0.677	1.15	-0.041	0	0.387	-17.63
48037_8038	48037	8038	0.677	18.751	0.041	0	0.124	-92.323
48038_8038	48038	8038	-0.684	13.779	-0.148	0.003	-0.124	92.447
48038_8039	48038	8039	0.684	7.328	0.148	-0.003	2.086	-49.71
48039_8039	48039	8039	-0.027	2.229	0.027	0.016	-0.064	-19.028
48039_8040	48039	8040	0.027	16.141	-0.027	-0.016	-0.254	-62.737

48040_8040	48040	8040	-0.027	18.994	-0.008	0.003	0.254	62.853
48040_8041	48040	8041	0.027	-6.103	0.008	-0.003	-0.186	40.645
48041_8041	48041	8041	-0.027	6.103	-0.008	0.022	0.186	-40.645
48041_8042	48041	8042	0.027	17.763	0.008	-0.022	-0.062	-48.385
48042_8042	48042	8042	-0.026	19.061	0.009	0.014	0.062	48.575
48042_8043	48042	8043	0.026	-0.48	-0.009	-0.014	-0.163	67.588
48043_8043	48043	8043	-0.026	0.48	0.009	0.009	0.163	-67.588
48043_8044	48043	8044	0.026	18.117	-0.009	-0.009	-0.265	-37.345
48044_8044	48044	8044	-0.026	18.59	-0.002	-0.027	0.265	37.013
48044_8045	48044	8045	0.026	-0.009	0.002	0.027	-0.242	73.546
48045_8045	48045	8045	-0.026	0.009	-0.002	0.035	0.242	-73.546
48045_8046	48045	8046	0.026	18.574	0.002	-0.035	-0.219	-36.827
48046_8046	48046	8046	-0.026	18.229	-0.001	-0.032	0.219	36.592
48046_8047	48046	8047	0.026	0.344	0.001	0.032	-0.211	69.677
48047_8047	48047	8047	-0.026	-0.344	-0.001	0.021	0.211	-69.677
48047_8048	48047	8048	0.026	18.934	0.001	-0.021	-0.203	-44.975
48048_8048	48048	8048	-0.026	17.756	0.007	-0.034	0.203	44.848
48048_8049	48048	8049	0.026	0.817	-0.007	0.034	-0.283	55.797
48049_8049	48049	8049	-0.026	-0.817	0.007	0.008	0.283	-55.798
48049_8050	48049	8050	0.026	19.407	-0.007	-0.008	-0.362	-64.485
48050_8050	48050	8050	-0.027	17.572	-0.015	-0.017	0.362	64.258
48050_8051	48050	8051	0.027	6.293	0.015	0.017	-0.13	21.858
48051_8051	48051	8051	-0.027	-6.293	-0.015	-0.016	0.13	-21.858
48051_8052	48051	8052	0.027	19.183	0.015	0.016	-0.004	-83.197
48052_8052	48052	8052	-0.027	16.519	-0.017	-0.014	0.004	83.273
48052_8053	48052	8053	0.027	1.858	0.017	0.014	0.199	2.924
48053_8053	48053	8053	-0.036	2.511	-0.043	-0.011	-0.066	-4.811
48053_8054	48053	8054	0.036	17.55	0.043	0.011	0.63	-94.776
48054_8054	48054	8054	-0.042	18.454	0.098	0.002	-0.63	94.921
48054_8055	48054	8055	0.042	0.49	-0.098	-0.002	-0.59	17.414
48055_8055	48055	8055	-0.042	-0.49	0.098	-0.011	0.59	-17.414
48055_8056	48055	8056	0.042	19.418	-0.098	0.011	-1.811	-106.971
48056_8056	48056	8056	-0.027	20.019	-0.088	0.004	1.811	106.944
48056_8057	48056	8057	0.027	-5.633	0.088	-0.004	-0.975	14.877
48057_8057	48057	8057	-0.027	5.633	-0.088	-0.007	0.975	-14.877
48057_8058	48057	8058	0.027	6.11	0.088	0.007	-0.294	13.028
48058_8058	48058	8058	-0.027	-6.11	-0.088	-0.007	0.294	-13.028
48058_8059	48058	8059	0.027	17.852	0.088	0.007	0.388	-79.855
48059_8059	48059	8059	-0.027	18.515	-0.07	0.002	-0.388	79.845
48059_8060	48059	8060	0.027	-6.397	0.07	-0.002	0.946	19.809
48060_8060	48060	8060	-0.027	6.397	-0.07	0.002	-0.946	-19.809
48060_8061	48060	8061	0.027	5.721	0.07	-0.002	1.504	22.516
48061_8061	48061	8061	-0.027	-5.721	-0.07	0.002	-1.504	-22.516
48061_8062	48061	8062	0.027	17.838	0.07	-0.002	2.062	-71.724
48062_8062	48062	8062	-0.03	18.152	-0.001	0.031	-2.062	71.477
48062_8063	48062	8063	0.03	-9.071	0.001	-0.031	2.069	10.128
48063_8063	48063	8063	-0.03	9.071	-0.001	0.031	-2.069	-10.128
48063_8064	48063	8064	0.03	0.011	0.001	-0.031	2.076	37.288
48064_8064	48064	8064	-0.03	-0.011	-0.001	-0.036	-2.076	-37.288
48064_8065	48064	8065	0.03	9.106	0.001	0.036	2.082	9.918
48065_8065	48065	8065	-0.03	-9.106	-0.001	-0.018	-2.082	-9.918
48065_8066	48065	8066	0.03	18.187	0.001	0.018	2.089	-71.897
48066_8066	48066	8066	-0.028	17.867	0.085	-0.008	-2.089	72.067
48066_8067	48066	8067	0.028	-5.738	-0.085	0.008	1.407	22.443
48067_8067	48067	8067	-0.028	5.738	0.085	-0.006	-1.407	-22.443

48067_8068	48067	8068	0.028	6.375	-0.085	0.006	0.725	19.895
48068_8068	48068	8068	-0.028	-6.375	0.085	0.019	-0.725	-19.895
48068_8069	48068	8069	0.028	18.49	-0.085	-0.019	0.044	-79.546
48069_8069	48069	8069	-0.031	17.691	0.066	0	-0.044	79.603
48069_8070	48069	8070	0.031	-5.957	-0.066	0	-0.465	11.998
48070_8070	48070	8070	-0.031	5.957	0.066	-0.001	0.465	-11.998
48070_8071	48070	8071	0.031	5.792	-0.066	0.001	-0.974	12.641
48071_8071	48071	8071	-0.031	-5.792	0.066	0.019	0.974	-12.64
48071_8072	48071	8072	0.031	20.183	-0.066	-0.019	-1.598	-110.761
48072_8072	48072	8072	-0.008	20.119	-0.044	0	1.598	110.703
48072_8073	48072	8073	0.008	-1.196	0.044	0	-1.054	22.446
48073_8073	48073	8073	-0.008	1.196	-0.044	0.017	1.054	-22.446
48073_8074	48073	8074	0.008	17.743	0.044	-0.017	-0.51	-80.999
48074_8074	48074	8074	-0.012	12.536	-0.215	0.011	0.51	81.051
48074_8075	48074	8075	0.012	7.526	0.215	-0.011	2.334	-47.872
48075_8075	48075	8075	-0.009	2.816	0.025	0.021	0.149	-34.418
48075_8076	48075	8076	0.009	14.594	-0.025	-0.021	-0.441	-34.792
48076_8076	48076	8076	-0.01	16.796	-0.019	0.04	0.441	34.806
48076_8077	48076	8077	0.01	-4.568	0.019	-0.04	-0.286	53.356
48077_8077	48077	8077	-0.01	4.568	-0.019	0.008	0.286	-53.356
48077_8078	48077	8078	0.01	15.938	0.019	-0.008	-0.025	-25.333
48078_8078	48078	8078	-0.01	16.974	0.006	-0.016	0.025	25.403
48078_8079	48078	8079	0.01	-0.414	-0.006	0.016	-0.097	71.775
48079_8079	48079	8079	-0.01	0.414	0.006	0.048	0.097	-71.775
48079_8080	48079	8080	0.01	16.146	-0.006	-0.048	-0.168	-16.155
48080_8080	48080	8080	-0.01	16.322	-0.001	0.011	0.168	16.155
48080_8081	48080	8081	0.01	0.234	0.001	-0.011	-0.158	73.738
48081_8081	48081	8081	-0.01	-0.234	-0.001	0.007	0.158	-73.738
48081_8082	48081	8082	0.01	16.804	0.001	-0.007	-0.148	-21.544
48082_8082	48082	8082	-0.01	17.548	0	0.002	0.148	21.371
48082_8083	48082	8083	0.01	0.238	0	-0.002	-0.148	82.543
48083_8083	48083	8083	-0.01	-0.238	0	-0.001	0.148	-82.543
48083_8084	48083	8084	0.01	18.039	0	0.001	-0.149	-27.268
48084_8084	48084	8084	-0.01	16.32	-0.004	-0.006	0.149	27.28
48084_8085	48084	8085	0.01	0.232	0.004	0.006	-0.11	62.591
48085_8085	48085	8085	-0.01	-0.232	-0.004	-0.009	0.11	-62.591
48085_8086	48085	8086	0.01	16.799	0.004	0.009	-0.071	-32.631
48086_8086	48086	8086	-0.01	15.783	0.008	-0.015	0.071	32.471
48086_8087	48086	8087	0.01	0.783	-0.008	0.015	-0.158	51.399
48087_8087	48087	8087	-0.01	-0.783	0.008	-0.013	0.158	-51.399
48087_8088	48087	8088	0.01	17.335	-0.008	0.013	-0.245	-49.814
48088_8088	48088	8088	-0.01	14.93	-0.02	-0.017	0.245	49.815
48088_8089	48088	8089	0.01	4.807	0.02	0.017	0.015	17.614
48089_8089	48089	8089	-0.01	-4.807	-0.02	-0.023	-0.015	-17.614
48089_8090	48089	8090	0.01	17.025	0.02	0.023	0.177	-72.415
48090_8090	48090	8090	-0.01	15.146	-0.002	-0.015	-0.177	72.442
48090_8091	48090	8091	0.01	2.263	0.002	0.015	0.204	3.249
48091_8091	48091	8091	-0.022	1.892	-0.01	-0.015	-0.22	-5.306
48091_8092	48091	8092	0.022	17.446	0.01	0.015	0.358	-97.757
48092_8092	48092	8092	-0.019	17.96	0.04	-0.008	-0.358	97.612
48092_8093	48092	8093	0.019	0.279	-0.04	0.008	-0.141	12.883
48093_8093	48093	8093	-0.019	-0.279	0.04	-0.008	0.141	-12.883
48093_8094	48093	8094	0.019	18.518	-0.04	0.008	-0.639	-104.59
48094_8094	48094	8094	0.002	19.21	-0.049	-0.006	0.639	104.551
48094_8095	48094	8095	-0.002	-5.352	0.049	0.006	-0.174	12.078

48095_8095	48095	8095	0.002	5.352	-0.049	-0.013	0.174	-12.078
48095_8096	48095	8096	-0.002	5.966	0.049	0.013	0.206	9.696
48096_8096	48096	8096	0.002	-5.966	-0.049	0	-0.206	-9.696
48096_8097	48096	8097	-0.002	17.269	0.049	0	0.585	-80.289
48097_8097	48097	8097	0.002	17.804	0.021	-0.007	-0.585	80.284
48097_8098	48097	8098	-0.002	-6.124	-0.021	0.007	0.413	15.481
48098_8098	48098	8098	0.002	6.124	0.021	0.013	-0.413	-15.481
48098_8099	48098	8099	-0.002	5.542	-0.021	-0.013	0.242	17.807
48099_8099	48099	8099	0.002	-5.542	0.021	-0.01	-0.242	-17.807
48099_8100	48099	8100	-0.002	17.222	-0.021	0.01	0.071	-73.299
48100_8100	48100	8100	0.003	17.458	-0.001	0	-0.071	73.322
48100_8101	48100	8101	-0.003	-8.712	0.001	0	0.079	5.101
48101_8101	48101	8101	0.003	8.712	-0.001	0	-0.079	-5.101
48101_8102	48101	8102	-0.003	0.048	0.001	0	0.087	31.107
48102_8102	48102	8102	0.003	-0.048	-0.001	0	-0.087	-31.107
48102_8103	48102	8103	-0.003	8.809	0.001	0	0.094	4.521
48103_8103	48103	8103	0.003	-8.809	-0.001	-0.008	-0.094	-4.521
48103_8104	48103	8104	-0.003	17.569	0.001	0.008	0.102	-74.652
48104_8104	48104	8104	-0.007	17.13	-0.024	0.011	-0.102	74.487
48104_8105	48104	8105	0.007	-5.465	0.024	-0.011	0.294	15.82
48105_8105	48105	8105	-0.007	5.465	-0.024	-0.009	-0.294	-15.82
48105_8106	48105	8106	0.007	6.214	0.024	0.009	0.487	12.822
48106_8106	48106	8106	-0.007	-6.214	-0.024	-0.009	-0.487	-12.822
48106_8107	48106	8107	0.007	17.878	0.024	0.009	0.679	-83.467
48107_8107	48107	8107	-0.009	17.104	0.041	0.005	-0.679	83.494
48107_8108	48107	8108	0.009	-5.79	-0.041	-0.005	0.363	5.258
48108_8108	48108	8108	-0.009	5.79	0.041	0.005	-0.363	-5.258
48108_8109	48108	8109	0.009	5.525	-0.041	-0.005	0.047	6.286
48109_8109	48109	8109	-0.008	-5.525	0.041	-0.003	-0.047	-6.286
48109_8110	48109	8110	0.008	19.379	-0.041	0.003	-0.339	-111.927
48110_8110	48110	8110	-0.033	19.219	-0.011	0.011	0.339	111.98
48110_8111	48110	8111	0.033	-0.973	0.011	-0.011	-0.198	14.259
48111_8111	48111	8111	-0.033	0.973	-0.011	0	0.198	-14.259
48111_8112	48111	8112	0.033	17.273	0.011	0	-0.056	-87.649
48112_8112	48112	8112	-0.035	12.158	-0.109	0.013	0.056	87.675
48112_8113	48112	8113	0.035	7.168	0.109	-0.013	1.384	-54.634
48113_8113	48113	8113	-0.02	2.392	0.015	0.011	0.119	-21.407
48113_8114	48113	8114	0.02	14.721	-0.015	-0.011	-0.294	-51.045
48114_8114	48114	8114	-0.021	17.036	-0.009	-0.034	0.294	51.055
48114_8115	48114	8115	0.021	-5.022	0.009	0.034	-0.221	39.949
48115_8115	48115	8115	-0.021	5.022	-0.009	0.048	0.221	-39.949
48115_8116	48115	8116	0.021	15.133	0.009	-0.048	-0.098	-30.032
48116_8116	48116	8116	-0.021	16.872	0.004	0.045	0.098	30.051
48116_8117	48116	8117	0.021	-0.606	-0.004	-0.045	-0.145	67.581
48117_8117	48117	8117	-0.02	0.606	0.004	-0.017	0.145	-67.581
48117_8118	48117	8118	0.02	15.675	-0.004	0.017	-0.192	-16.672
48118_8118	48118	8118	-0.021	16.207	-0.004	0.039	0.192	16.672
48118_8119	48118	8119	0.021	0.072	0.004	-0.039	-0.143	73.535
48119_8119	48119	8119	-0.021	-0.072	-0.004	-0.025	0.143	-73.535
48119_8120	48119	8120	0.021	16.337	0.004	0.025	-0.094	-18.119
48120_8120	48120	8120	-0.021	17.378	-0.001	0.034	0.094	18.371
48120_8121	48120	8121	0.021	0.11	0.001	-0.034	-0.081	85.337
48121_8121	48121	8121	-0.021	-0.11	-0.001	-0.037	0.081	-85.337
48121_8122	48121	8122	0.021	17.598	0.001	0.037	-0.07	-21.008
48122_8122	48122	8122	-0.021	16.119	-0.004	0.021	0.07	21.008

48122_8123	48122	8123	0.021	0.16	0.004	-0.021	-0.026	68.21
48123_8123	48123	8123	-0.021	-0.16	-0.004	-0.04	0.026	-68.21
48123_8124	48123	8124	0.021	16.438	0.004	0.04	0.017	-24.576
48124_8124	48124	8124	-0.021	15.494	0	-0.015	-0.017	24.585
48124_8125	48124	8125	0.021	0.77	0	0.015	0.022	57.648
48125_8125	48125	8125	-0.021	-0.77	0	-0.016	-0.022	-57.648
48125_8126	48125	8126	0.021	17.049	0	0.016	0.026	-41.968
48126_8126	48126	8126	-0.021	14.682	-0.009	-0.026	-0.026	42.154
48126_8127	48126	8127	0.021	4.916	0.009	0.026	0.147	23.576
48127_8127	48127	8127	-0.021	-4.916	-0.009	-0.006	-0.147	-23.576
48127_8128	48127	8128	0.021	16.927	0.009	0.006	0.221	-66.529
48128_8128	48128	8128	-0.024	14.849	-0.029	-0.009	-0.221	66.362
48128_8129	48128	8129	0.024	2.259	0.029	0.009	0.561	7.61
48129_8129	48129	8129	-0.038	2.117	-0.073	-0.016	-0.644	-9.307
48129_8130	48129	8130	0.038	17.181	0.073	0.016	1.615	-90.491
48130_8130	48130	8130	-0.023	17.214	0.096	-0.008	-1.615	90.38
48130_8131	48130	8131	0.023	0.992	-0.096	0.008	0.418	11.007
48131_8131	48131	8131	-0.023	-0.992	0.096	-0.008	-0.418	-11.007
48131_8132	48131	8132	0.023	19.198	-0.096	0.008	-0.779	-115.18
48132_8132	48132	8132	-2.297	18.199	-0.016	-0.02	0.779	82.698
48132_8133	48132	8133	2.297	-4.362	0.016	0.02	-0.629	24.466
48133_8133	48133	8133	-2.297	4.362	-0.019	0.017	0.629	-24.466
48133_8134	48133	8134	2.297	6.926	0.019	-0.017	-0.48	14.532
48134_8134	48134	8134	-2.297	-6.926	-0.016	-0.002	0.48	-14.532
48134_8135	48134	8135	2.297	18.213	0.016	0.002	-0.354	-82.88
48135_8135	48135	8135	-2.297	18.113	0.047	-0.011	0.354	83.052
48135_8136	48135	8136	2.297	-6.461	-0.047	0.011	-0.727	15.245
48136_8136	48136	8136	-2.297	6.461	0.047	-0.011	0.727	-15.245
48136_8137	48136	8137	2.297	5.191	-0.047	0.011	-1.1	20.328
48137_8137	48137	8137	-2.297	-5.191	0.044	0.015	1.1	-20.328
48137_8138	48137	8138	2.297	16.842	-0.044	-0.015	-1.45	-67.804
48138_8138	48138	8138	-2.297	17.32	-0.05	-0.021	1.45	67.803
48138_8139	48138	8139	2.297	-8.581	0.05	0.021	-1.15	9.901
48139_8139	48139	8139	-2.297	8.581	-0.046	-0.038	1.15	-9.901
48139_8140	48139	8140	2.297	0.158	0.046	0.038	-0.873	35.171
48140_8140	48140	8140	-2.297	-0.158	-0.05	0.021	0.873	-35.171
48140_8141	48140	8141	2.297	8.897	0.05	-0.021	-0.573	8.009
48141_8141	48141	8141	-2.297	-8.897	-0.05	0.021	0.573	-8.009
48141_8142	48141	8142	2.297	17.635	0.05	-0.021	-0.273	-71.587
48142_8142	48142	8142	-2.297	17.036	-0.038	-0.015	0.273	71.587
48142_8143	48142	8143	2.297	-5.384	0.038	0.015	0.028	18.09
48143_8143	48143	8143	-2.297	5.384	-0.041	0.007	-0.028	-18.09
48143_8144	48143	8144	2.297	6.268	0.041	-0.007	0.353	14.553
48144_8144	48144	8144	-2.297	-6.268	-0.038	-0.011	-0.353	-14.553
48144_8145	48144	8145	2.297	17.92	0.038	0.011	0.654	-82.199
48145_8145	48145	8145	-2.297	17.064	0.008	-0.006	-0.654	82.199
48145_8146	48145	8146	2.297	-5.776	-0.008	0.006	0.595	6.307
48146_8146	48146	8146	-2.297	5.776	0.005	0.002	-0.595	-6.307
48146_8147	48146	8147	2.297	5.511	-0.005	-0.002	0.559	7.334
48147_8147	48147	8147	-2.297	-5.511	0.006	-0.003	-0.559	-7.334
48147_8148	48147	8148	2.297	19.348	-0.006	0.003	0.5	-110.749
48148_8148	48148	8148	-2.297	19.394	0.013	-0.005	-0.5	110.748
48148_8149	48148	8149	2.297	-1.188	-0.013	0.005	0.332	17.894
48149_8149	48149	8149	-2.297	1.188	0.012	0.009	-0.332	-17.894
48149_8150	48149	8150	2.297	17.018	-0.012	-0.009	0.187	-81.038

48150_8150	48150	8150	-2.297	10.848	-0.037	0.014	-0.187	81.038
48150_8151	48150	8151	2.297	8.451	0.037	-0.014	0.671	-65.159
48151_8151	48151	8151	-1.39	2.713	0.002	0.004	-0.169	-27.748
48151_8152	48151	8152	1.39	15.137	-0.002	-0.004	0.144	-45.242
48152_8152	48152	8152	-1.39	17.509	0.003	0.035	-0.144	45.242
48152_8153	48152	8153	1.39	-4.976	-0.003	-0.035	0.121	47.506
48153_8153	48153	8153	-1.39	4.976	0.004	0	-0.121	-47.506
48153_8154	48153	8154	1.39	15.913	-0.004	0	0.068	-27.691
48154_8154	48154	8154	-1.39	17.32	0.004	-0.023	-0.068	27.691
48154_8155	48154	8155	1.39	-0.609	-0.004	0.023	0.03	70.923
48155_8155	48155	8155	-1.39	0.609	0.002	0.042	-0.03	-70.923
48155_8156	48155	8156	1.39	16.102	-0.002	-0.042	0.005	-14.285
48156_8156	48156	8156	-1.39	15.581	0.002	0.003	-0.005	14.284
48156_8157	48156	8157	1.39	-0.389	-0.002	-0.003	-0.018	65.569
48157_8157	48157	8157	-1.39	0.389	0.002	0.003	0.018	-65.569
48157_8158	48157	8158	1.39	14.802	-0.002	-0.003	-0.041	-6.496
48158_8158	48158	8158	-1.39	14.354	0.002	-0.035	0.041	6.495
48158_8159	48158	8159	1.39	0.838	-0.002	0.035	-0.061	61.084
48159_8159	48159	8159	-1.39	-0.838	0.001	0.026	0.061	-61.084
48159_8160	48159	8160	1.39	16.03	-0.001	-0.026	-0.067	-23.255
48160_8160	48160	8160	-1.39	15.654	0.001	0.015	0.067	23.439
48160_8161	48160	8161	1.39	1.057	-0.001	-0.015	-0.075	56.848
48161_8161	48161	8161	-1.39	-1.057	0.002	-0.037	0.075	-56.848
48161_8162	48161	8162	1.39	17.768	-0.002	0.037	-0.097	-46.685
48162_8162	48162	8162	-1.39	15.619	-0.002	-0.021	0.097	46.685
48162_8163	48162	8163	1.39	5.27	0.002	0.021	-0.073	24.462
48163_8163	48163	8163	-1.39	-5.27	-0.003	-0.003	0.073	-24.462
48163_8164	48163	8164	1.39	17.803	0.003	0.003	-0.05	-70.716
48164_8164	48164	8164	-1.39	15.551	0.007	-0.013	0.05	70.716
48164_8165	48164	8165	1.39	2.299	-0.007	0.013	-0.127	7.138
48165_8165	48165	8165	-1.687	2.392	-0.019	-0.008	0.226	-8.656
48165_8166	48165	8166	1.687	18.273	0.019	0.008	0.03	-96.555
48166_8166	48166	8166	-1.686	18.969	0.005	0.005	-0.03	96.418
48166_8167	48166	8167	1.686	0.527	-0.005	-0.005	-0.033	18.845
48167_8167	48167	8167	-1.686	-0.527	0.006	-0.01	0.033	-18.845
48167_8168	48167	8168	1.686	20.023	-0.006	0.01	-0.112	-109.592
48168_8168	48168	8168	-1.68	20.634	-0.004	0	0.112	109.478
48168_8169	48168	8169	1.68	-5.817	0.004	0	-0.07	16.167
48169_8169	48169	8169	-1.68	5.817	-0.006	0.011	0.07	-16.167
48169_8170	48169	8170	1.68	6.27	0.006	-0.011	-0.027	14.412
48170_8170	48170	8170	-1.68	-6.27	-0.003	-0.007	0.027	-14.412
48170_8171	48170	8171	1.68	18.358	0.003	0.007	0	-81.022
48171_8171	48171	8171	-1.677	19.114	0.003	-0.005	0	80.874
48171_8172	48171	8172	1.677	-6.636	-0.003	0.005	-0.021	22.126
48172_8172	48172	8172	-1.677	6.636	0.001	0.023	0.021	-22.126
48172_8173	48172	8173	1.677	5.841	-0.001	-0.023	-0.026	25.306
48173_8173	48173	8173	-1.677	-5.841	0.003	-0.009	0.026	-25.306
48173_8174	48173	8174	1.677	18.319	-0.003	0.009	-0.047	-71.333
48174_8174	48174	8174	-1.678	18.671	-0.002	0.028	0.047	71.169
48174_8175	48174	8175	1.678	-9.313	0.002	-0.028	-0.038	12.781
48175_8175	48175	8175	-1.678	9.313	-0.002	0.028	0.038	-12.781
48175_8176	48175	8176	1.678	0.045	0.002	-0.028	-0.029	40.583
48176_8176	48176	8176	-1.678	-0.045	0.001	-0.04	0.029	-40.583
48176_8177	48176	8177	1.678	9.404	-0.001	0.04	-0.036	12.236
48177_8177	48177	8177	-1.678	-9.404	-0.002	-0.019	0.036	-12.236

48177_8178	48177	8178	1.678	18.762	0.002	0.019	-0.027	-72.26
48178_8178	48178	8178	-1.678	18.289	-0.008	0.017	0.027	72.097
48178_8179	48178	8179	1.678	-5.812	0.008	-0.017	0.033	24.306
48179_8179	48179	8179	-1.678	5.812	-0.005	-0.014	-0.033	-24.306
48179_8180	48179	8180	1.678	6.666	0.005	0.014	0.077	20.889
48180_8180	48180	8180	-1.678	-6.666	-0.005	-0.014	-0.077	-20.889
48180_8181	48180	8181	1.678	19.143	0.005	0.014	0.121	-82.348
48181_8181	48181	8181	-1.675	18.167	0.008	0.007	-0.121	82.204
48181_8182	48181	8182	1.675	-6.079	-0.008	-0.007	0.059	11.749
48182_8182	48182	8182	-1.675	6.079	0.01	-0.008	-0.059	-11.749
48182_8183	48182	8183	1.675	6.008	-0.01	0.008	-0.02	12.022
48183_8183	48183	8183	-1.675	-6.008	0.009	-0.001	0.02	-12.022
48183_8184	48183	8184	1.675	20.825	-0.009	0.001	-0.107	-115.439
48184_8184	48184	8184	-1.665	20.726	-0.02	0.013	0.107	115.334
48184_8185	48184	8185	1.665	-1.23	0.02	-0.013	0.144	21.89
48185_8185	48185	8185	-1.665	1.23	-0.019	-0.005	-0.144	-21.89
48185_8186	48185	8186	1.665	18.266	0.019	0.005	0.379	-84.587
48186_8186	48186	8186	-1.663	12.962	0.022	0.003	-0.379	84.467
48186_8187	48186	8187	1.663	7.703	-0.022	-0.003	0.092	-49.627
48187_8187	48187	8187	-1.304	3.159	0.001	0.021	-0.044	-38.699
48187_8188	48187	8188	1.304	15.957	-0.001	-0.021	0.03	-36.495
48188_8188	48188	8188	-1.304	18.32	0.002	-0.003	-0.03	36.334
48188_8189	48188	8189	1.304	-4.899	-0.002	0.003	0.014	59.445
48189_8189	48189	8189	-1.304	4.899	0.001	0.026	-0.014	-59.445
48189_8190	48189	8190	1.304	17.471	-0.001	-0.026	-0.003	-26.988
48190_8190	48190	8190	-1.305	18.386	0.003	0.045	0.003	26.799
48190_8191	48190	8191	1.305	-0.49	-0.003	-0.045	-0.036	77.016
48191_8191	48191	8191	-1.305	0.49	0.004	-0.025	0.036	-77.016
48191_8192	48191	8192	1.305	17.406	-0.004	0.025	-0.083	-16.022
48192_8192	48192	8192	-1.304	16.524	0	0.003	0.083	15.827
48192_8193	48192	8193	1.304	-0.32	0	-0.003	-0.082	68.054
48193_8193	48193	8193	-1.304	0.32	0	0.003	0.082	-68.054
48193_8194	48193	8194	1.304	15.9	0	-0.003	-0.081	-9.614
48194_8194	48194	8194	-1.304	15.254	0.001	-0.004	0.081	9.615
48194_8195	48194	8195	1.304	0.966	-0.001	0.004	-0.093	61.611
48195_8195	48195	8195	-1.304	-0.966	0.001	-0.004	0.093	-61.611
48195_8196	48195	8196	1.304	17.186	-0.001	0.004	-0.105	-28.877
48196_8196	48196	8196	-1.304	16.717	-0.002	-0.011	0.105	28.682
48196_8197	48196	8197	1.304	1.179	0.002	0.011	-0.088	56.776
48197_8197	48197	8197	-1.304	-1.179	-0.002	-0.011	0.088	-56.776
48197_8198	48197	8198	1.304	19.075	0.002	0.011	-0.071	-54.619
48198_8198	48198	8198	-1.305	16.841	0.001	-0.021	0.071	54.429
48198_8199	48198	8199	1.305	5.528	-0.001	0.021	-0.079	23.35
48199_8199	48199	8199	-1.305	-5.528	0	-0.004	0.079	-23.35
48199_8200	48199	8200	1.305	18.934	0	0.004	-0.076	-77.433
48200_8200	48200	8200	-1.304	16.816	-0.006	-0.014	0.076	77.601
48200_8201	48200	8201	1.304	2.3	0.006	0.014	-0.004	7.682
48201_8201	48201	8201	-1.485	2.715	-0.041	-0.009	0.183	-10.707
48201_8202	48201	8202	1.485	19.683	0.041	0.009	0.36	-101.706
48202_8202	48202	8202	-1.492	20.46	0.057	-0.003	-0.36	101.857
48202_8203	48202	8203	1.492	0.671	-0.057	0.003	-0.351	21.826
48203_8203	48203	8203	-1.492	-0.671	0.057	-0.003	0.351	-21.826
48203_8204	48203	8204	1.492	21.802	-0.057	0.003	-1.062	-118.629
48204_8204	48204	8204	-1.52	22.383	-0.044	0.003	1.062	118.687
48204_8205	48204	8205	1.52	-6.324	0.044	-0.003	-0.644	17.671

48205_8205	48205	8205	-1.52	6.324	-0.043	-0.007	0.644	-17.671
48205_8206	48205	8206	1.52	6.777	0.043	0.007	-0.31	15.913
48206_8206	48206	8206	-1.52	-6.777	-0.043	-0.007	0.31	-15.913
48206_8207	48206	8207	1.52	19.879	0.043	0.007	0.024	-87.379
48207_8207	48207	8207	-1.529	20.619	-0.028	0.001	-0.024	87.528
48207_8208	48207	8208	1.529	-7.095	0.028	-0.001	0.251	23.331
48208_8208	48208	8208	-1.529	7.095	-0.028	0.001	-0.251	-23.331
48208_8209	48208	8209	1.529	6.428	0.028	-0.001	0.478	26
48209_8209	48209	8209	-1.529	-6.428	-0.028	0.001	-0.478	-26
48209_8210	48209	8210	1.529	19.952	0.028	-0.001	0.704	-79.522
48210_8210	48210	8210	-1.519	20.274	-0.01	0.029	-0.704	79.715
48210_8211	48210	8211	1.519	-10.131	0.01	-0.029	0.762	11.499
48211_8211	48211	8211	-1.519	10.131	-0.01	0.029	-0.762	-11.499
48211_8212	48211	8212	1.519	0.012	0.01	-0.029	0.821	41.856
48212_8212	48212	8212	-1.519	-0.012	-0.007	-0.04	-0.821	-41.856
48212_8213	48212	8213	1.519	10.155	0.007	0.04	0.864	11.356
48213_8213	48213	8213	-1.519	-10.155	-0.01	-0.021	-0.864	-11.356
48213_8214	48213	8214	1.519	20.298	0.01	0.021	0.922	-80.002
48214_8214	48214	8214	-1.506	19.968	0.015	-0.002	-0.922	80.206
48214_8215	48214	8215	1.506	-6.444	-0.015	0.002	0.806	25.445
48215_8215	48215	8215	-1.506	6.444	0.015	-0.002	-0.806	-25.445
48215_8216	48215	8216	1.506	7.08	-0.015	0.002	0.689	22.902
48216_8216	48216	8216	-1.506	-7.08	0.015	-0.002	-0.689	-22.902
48216_8217	48216	8217	1.506	20.604	-0.015	0.002	0.573	-87.835
48217_8217	48217	8217	-1.505	19.661	0.045	0.004	-0.573	87.823
48217_8218	48217	8218	1.505	-6.56	-0.045	-0.004	0.221	13.787
48218_8218	48218	8218	-1.505	6.56	0.045	0.004	-0.221	-13.787
48218_8219	48218	8219	1.505	6.541	-0.045	-0.004	-0.131	13.86
48219_8219	48219	8219	-1.505	-6.541	0.045	0.005	0.131	-13.86
48219_8220	48219	8220	1.505	22.601	-0.045	-0.005	-0.56	-124.569
48220_8220	48220	8220	-1.505	22.456	0.026	0.004	0.56	124.594
48220_8221	48220	8221	1.505	-1.336	-0.026	-0.004	-0.888	24.036
48221_8221	48221	8221	-1.505	1.336	0.026	0.004	0.888	-24.036
48221_8222	48221	8222	1.505	19.802	-0.026	-0.004	-1.216	-91.418
48222_8222	48222	8222	-1.514	14.916	-0.449	0.007	1.216	91.405
48222_8223	48222	8223	1.514	7.49	0.449	-0.007	4.73	-42.189
48223_8223	48223	8223	-0.424	2.955	0.016	0.014	-0.256	-32.795
48223_8224	48223	8224	0.424	17.737	-0.016	-0.014	0.074	-54.006
48224_8224	48224	8224	-0.425	20.416	0.018	0.049	-0.074	53.836
48224_8225	48224	8225	0.425	-5.887	-0.018	-0.049	-0.074	54.606
48225_8225	48225	8225	-0.425	5.887	0.018	-0.011	0.074	-54.606
48225_8226	48225	8226	0.425	20.069	-0.018	0.011	-0.345	-49.854
48226_8226	48226	8226	-0.425	20.619	-0.002	0.22	0.345	49.791
48226_8227	48226	8227	0.425	-0.377	0.002	-0.22	-0.32	70.813
48227_8227	48227	8227	-0.425	0.377	0	-0.211	0.32	-70.813
48227_8228	48227	8228	0.425	19.871	0	0.211	-0.324	-41.192
48228_8228	48228	8228	-0.425	19.866	0.009	0.028	0.324	41.35
48228_8229	48228	8229	0.425	0.387	-0.009	-0.028	-0.424	70.601
48229_8229	48229	8229	-0.425	-0.387	0.009	-0.037	0.424	-70.601
48229_8230	48229	8230	0.425	20.624	-0.009	0.037	-0.529	-50.056
48230_8230	48230	8230	-0.425	20.6	0.008	0.28	0.529	50.082
48230_8231	48230	8231	0.425	0.694	-0.008	-0.28	-0.624	70.209
48231_8231	48231	8231	-0.425	-0.694	0.011	-0.304	0.624	-70.209
48231_8232	48231	8232	0.425	21.98	-0.011	0.304	-0.762	-66.748
48232_8232	48232	8232	-0.422	20.782	-0.029	-0.021	0.762	66.858

48232_8233	48232	8233	0.422	2.911	0.029	0.021	-0.377	53.298
48233_8233	48233	8233	-0.422	-2.911	-0.029	-0.004	0.377	-53.298
48233_8234	48233	8234	0.422	20.283	0.029	0.004	-0.094	-61.042
48234_8234	48234	8234	-0.114	15.094	0.013	0.034	0.094	55.45
48234_8235	48234	8235	0.114	2.667	-0.013	-0.034	-0.223	7.185
48235_8235	48235	8235	-0.083	1.451	-0.036	-0.062	1.09	-1.188
48235_8236	48235	8236	0.083	16.184	0.036	0.062	-0.748	-68.191
48236_8236	48236	8236	-0.089	17.71	0.106	-0.079	0.748	68.12
48236_8237	48236	8237	0.089	-0.563	-0.106	0.079	-1.722	15.541
48237_8237	48237	8237	-0.09	0.563	0.106	0.056	1.722	-15.541
48237_8238	48237	8238	0.09	18.788	-0.106	-0.056	-2.812	-78.622
48238_8238	48238	8238	-0.078	22.478	-0.115	0.01	2.812	78.558
48238_8239	48238	8239	0.078	7.284	0.115	-0.01	-0.987	42.182
48239_8239	48239	8239	-0.078	-7.284	-0.115	-0.023	0.987	-42.182
48239_8240	48239	8240	0.078	23.387	0.115	0.023	0	-89.69
48240_8240	48240	8240	-0.078	20.919	-0.105	-0.003	0	89.718
48240_8241	48240	8241	0.078	-1.646	0.105	0.003	1.085	26.404
48241_8241	48241	8241	-0.078	1.646	-0.106	0.008	-1.085	-26.404
48241_8242	48241	8242	0.078	15.839	0.106	-0.008	2.071	-39.863
48242_8242	48242	8242	-0.069	17.54	-0.059	-0.009	-2.071	39.691
48242_8243	48242	8243	0.069	1.998	0.059	0.009	2.689	41.386
48243_8243	48243	8243	-0.069	-1.998	-0.059	0.021	-2.689	-41.386
48243_8244	48243	8244	0.069	19.202	0.059	-0.021	3.234	-56
48244_8244	48244	8244	-0.074	18.878	0.101	0.184	-3.234	55.99
48244_8245	48244	8245	0.074	-1.196	-0.101	-0.184	2.281	38.789
48245_8245	48245	8245	-0.074	1.196	0.102	-0.162	-2.281	-38.789
48245_8246	48245	8246	0.074	17.858	-0.102	0.162	1.247	-45.985
48246_8246	48246	8246	-0.074	15.855	-0.229	0.001	-1.247	46.162
48246_8247	48246	8247	0.074	2.766	0.229	-0.001	3.526	18.919
48247_8247	48247	8247	-0.074	-2.766	-0.229	0.006	-3.526	-18.919
48247_8248	48247	8248	0.074	20.898	0.229	-0.006	5.746	-95.651
48248_8248	48248	8248	-0.086	22.56	0.507	0.249	-5.746	95.747
48248_8249	48248	8249	0.086	-0.08	-0.507	-0.249	-0.336	40.154
48249_8249	48249	8249	-0.08	0.08	0.508	-0.233	0.336	-40.154
48249_8250	48249	8250	0.08	23.317	-0.508	0.233	-6.678	-105.013
48250_8250	48250	8250	-0.088	21.712	-0.349	0.016	6.678	105.058
48250_8251	48250	8251	0.088	-0.912	0.349	-0.016	-2.804	20.592
48251_8251	48251	8251	-0.088	0.912	-0.349	-0.004	2.804	-20.592
48251_8252	48251	8252	0.088	18.777	0.349	0.004	0.862	-73.327
48252_8252	48252	8252	-0.096	16.522	0.088	-0.012	-0.862	73.272
48252_8253	48252	8253	0.096	6.145	-0.088	0.012	-0.206	-10.463
48253_8253	48253	8253	-0.096	-6.145	0.089	0.038	0.206	10.463
48253_8254	48253	8254	0.096	23.976	-0.089	-0.038	-1.051	-153.867
48254_8254	48254	8254	0.023	22.963	-0.019	-0.01	0.535	42.049
48254_8255	48254	8255	-0.023	0.425	0.019	0.01	-0.306	91.317
48255_8255	48255	8255	0.023	-0.425	-0.019	0.06	0.306	-91.317
48255_8256	48255	8256	-0.023	25.446	0.019	-0.06	-0.061	-72.454
48256_8256	48256	8256	0.023	23.622	0.025	0.272	0.061	72.47
48256_8257	48256	8257	-0.023	-0.577	-0.025	-0.272	-0.349	68.621
48257_8257	48257	8257	0.024	0.577	0.025	-0.24	0.349	-68.621
48257_8258	48257	8258	-0.024	21.952	-0.025	0.24	-0.628	-53.217
48258_8258	48258	8258	0.023	22.358	0.009	0.012	0.628	53.048
48258_8259	48258	8259	-0.023	0.848	-0.009	-0.012	-0.731	73.24
48259_8259	48259	8259	0.023	-0.848	0.009	-0.004	0.731	-73.24
48259_8260	48259	8260	-0.023	23.196	-0.009	0.004	-0.831	-62.703

48260_8260	48260	8260	0.023	22.022	0.005	0.392	0.831	62.9
48260_8261	48260	8261	-0.023	-4.09	-0.005	-0.392	-0.877	55.564
48261_8261	48261	8261	0.023	4.09	0.005	-0.274	0.877	-55.565
48261_8262	48261	8262	-0.023	23.557	-0.005	0.274	-0.946	-80.597
48262_8262	48262	8262	0.017	22.744	-0.001	-0.044	0.946	80.309
48262_8263	48262	8263	-0.017	2.401	0.001	0.044	-0.937	49.104
48263_8263	48263	8263	0.017	-2.401	-0.001	-0.003	0.937	-49.104
48263_8264	48263	8264	-0.017	24.343	0.001	0.003	-0.93	-99.357
48264_8264	48264	8264	0.016	23.793	0.014	-0.025	0.93	99.407
48264_8265	48264	8265	-0.016	0.08	-0.014	0.025	-1.101	43.821
48265_8265	48265	8265	0.319	1.653	8.388	-2.463	-98.422	89.404
48265_8266	48265	8266	-0.319	23.542	-8.388	2.463	-8.515	-228.937
48266_8266	48266	8266	-0.003	24.926	-0.358	-1.629	8.515	228.835
48266_8267	48266	8267	0.003	-4.217	0.358	1.629	-4.767	-76.142
48267_8267	48267	8267	-0.003	4.217	-0.358	-1.725	4.767	76.14
48267_8268	48267	8268	0.003	12.379	0.358	1.725	-1.763	-110.409
48268_8268	48268	8268	0.001	22.625	-0.165	0.045	1.763	110.386
48268_8269	48268	8269	-0.001	2.901	0.165	-0.045	0.334	14.992
48269_8269	48269	8269	0	-2.901	-0.165	-0.078	-0.334	-14.991
48269_8270	48269	8270	0	23.871	0.165	0.078	2.057	-124.816
48270_8270	48270	8270	0.003	29.094	0.087	0.007	-2.057	124.728
48270_8271	48270	8271	-0.003	-5.616	-0.087	-0.007	1.044	78.22
48271_8271	48271	8271	0.003	5.616	0.087	-0.016	-1.044	-78.22
48271_8272	48271	8272	-0.003	18.599	-0.087	0.016	0	-0.07
48372_8372	48372	8372	-0.008	14.625	-0.176	-0.021	0	-0.08
48372_8373	48372	8373	0.008	3.897	0.176	0.021	2.183	66.578
48373_8373	48373	8373	-0.007	-3.897	-0.176	0.013	-2.183	-66.578
48373_8374	48373	8374	0.007	20.925	0.176	-0.013	4.189	-74.862
48374_8374	48374	8374	0.051	14.91	0.158	-0.003	-4.189	74.755
48374_8375	48374	8375	-0.051	0.779	-0.158	0.003	2.528	-0.566
48375_8375	48375	8375	0.051	-0.779	0.158	-0.003	-2.528	0.566
48375_8376	48375	8376	-0.051	15.129	-0.158	0.003	1.009	-76.952
48376_8376	48376	8376	0.114	18.257	0.175	0.213	-1.009	77.368
48376_8377	48376	8377	-0.114	-1.001	-0.175	-0.213	-1.009	33.842
48377_8377	48377	8377	0.117	1.001	0.173	-0.221	1.009	-33.842
48377_8378	48377	8378	-0.117	17.232	-0.173	0.221	-3.125	-65.195
48378_8378	48378	8378	0.111	16.567	-0.166	0.002	3.125	65.08
48378_8379	48378	8379	-0.111	1.948	0.166	-0.002	-1.074	25.491
48379_8379	48379	8379	0.111	-1.948	-0.165	0.008	1.074	-25.491
48379_8380	48379	8380	-0.111	18.69	0.165	-0.008	0.78	-90.138
48380_8380	48380	8380	0.068	17.253	0.017	0.041	-0.78	89.357
48380_8381	48380	8381	-0.068	-1.715	-0.017	-0.041	0.605	9.267
48381_8381	48381	8381	0.068	1.715	0.016	-0.017	-0.605	-9.267
48381_8382	48381	8382	-0.068	13.033	-0.016	0.017	0.443	-46.587
48382_8382	48382	8382	0.065	16.461	-0.008	0.04	-0.443	46.688
48382_8383	48382	8383	-0.065	0.213	0.008	-0.04	0.538	43.966
48383_8383	48383	8383	0.065	-0.213	-0.009	0.002	-0.538	-43.966
48383_8384	48383	8384	-0.065	17.426	0.009	-0.002	0.636	-57.64
48384_8384	48384	8384	0.064	15.586	0.009	-0.006	-0.168	24.197
48384_8385	48384	8385	-0.064	0.938	-0.009	0.006	0.062	57.478
48385_8385	48385	8385	0.064	-0.938	0.01	0.056	-0.062	-57.478
48385_8386	48385	8386	-0.064	17.473	-0.01	-0.056	-0.044	-45.247
48386_8386	48386	8386	0.063	18.057	0.007	0.255	0.044	44.959
48386_8387	48386	8387	-0.063	-1.639	-0.007	-0.255	-0.122	64.153
48387_8387	48387	8387	0.063	1.639	0.007	-0.172	0.122	-64.153

48387_8388	48387	8388	-0.063	17.139	-0.007	0.172	-0.206	-34.059
48388_8388	48388	8388	0.065	17.835	-0.001	0	0.206	34.645
48388_8389	48388	8389	-0.065	0.058	0.001	0	-0.189	72.693
48389_8389	48389	8389	0.065	-0.058	-0.001	0.043	0.189	-72.693
48389_8390	48389	8390	-0.065	17.37	0.001	-0.043	-0.173	-29.116
48390_8390	48390	8390	0.065	17.562	0	0.236	0.173	29.266
48390_8391	48390	8391	-0.065	1.28	0	-0.236	-0.179	74.253
48391_8391	48391	8391	0.065	-1.28	0	-0.245	0.179	-74.253
48391_8392	48391	8392	-0.065	17.644	0	0.245	-0.18	-30.237
48392_8392	48392	8392	0.065	17.432	0.008	-0.018	0.18	29.924
48392_8393	48392	8393	-0.065	-0.562	-0.008	0.018	-0.274	72.507
48393_8393	48393	8393	0.065	0.562	0.008	0.019	0.274	-72.507
48393_8394	48393	8394	-0.065	17.76	-0.008	-0.019	-0.378	-33.818
48394_8394	48394	8394	0.064	16.898	-0.029	0.233	0.378	33.446
48394_8395	48394	8395	-0.064	0.717	0.029	-0.233	-0.028	62.73
48395_8395	48395	8395	0.064	-0.717	-0.03	-0.257	0.028	-62.73
48395_8396	48395	8396	-0.064	18.277	0.03	0.257	0.326	-49.822
48396_8396	48396	8396	0.07	18.149	0.114	-0.045	-0.326	50.216
48396_8397	48396	8397	-0.07	-0.388	-0.114	0.045	-1.037	60.885
48397_8397	48397	8397	0.07	0.388	0.114	0.003	1.037	-60.885
48397_8398	48397	8398	-0.07	17.032	-0.114	-0.003	-2.375	-36.95
48398_8398	48398	8398	0.051	11.132	-0.237	-0.017	2.375	37.023
48398_8399	48398	8399	-0.051	3.727	0.237	0.017	0	0.104
48572_8572	48572	8572	-0.005	14.574	-0.171	0.002	0	0.029
48572_8573	48572	8573	0.005	3.954	0.171	-0.002	2.117	65.819
48573_8573	48573	8573	-0.005	-3.954	-0.171	-0.009	-2.117	-65.819
48573_8574	48573	8574	0.005	20.868	0.171	0.009	4.049	-74.67
48574_8574	48574	8574	0.013	14.857	0.122	-0.003	-4.049	74.636
48574_8575	48574	8575	-0.013	0.548	-0.122	0.003	2.789	-0.874
48575_8575	48575	8575	0.013	-0.548	0.122	-0.002	-2.789	0.874
48575_8576	48575	8576	-0.013	14.736	-0.122	0.002	1.629	-73.442
48576_8576	48576	8576	-0.041	17.916	0.237	0.226	-1.629	73.087
48576_8577	48576	8577	0.041	-0.592	-0.237	-0.226	-1.118	34.204
48577_8577	48577	8577	-0.038	0.592	0.237	-0.192	1.118	-34.204
48577_8578	48577	8578	0.038	17.891	-0.237	0.192	-4.055	-72.791
48578_8578	48578	8578	-0.056	17.316	-0.233	-0.02	4.055	72.845
48578_8579	48578	8579	0.056	0.795	0.233	0.02	-1.231	27.28
48579_8579	48579	8579	-0.056	-0.795	-0.233	-0.003	1.231	-27.28
48579_8580	48579	8580	0.056	17.819	0.233	0.003	1.424	-78.762
48580_8580	48580	8580	0.003	16.91	0.05	0.066	-1.424	79.603
48580_8581	48580	8581	-0.003	-1.673	-0.05	-0.066	0.914	15.143
48581_8581	48581	8581	0.003	1.673	0.05	-0.039	-0.914	-15.143
48581_8582	48581	8582	-0.003	13.295	-0.05	0.039	0.412	-43.068
48582_8582	48582	8582	0.006	16.294	-0.002	0.017	-0.412	42.928
48582_8583	48582	8583	-0.006	-0.085	0.002	-0.017	0.432	45.911
48583_8583	48583	8583	0.006	0.085	-0.002	0.04	-0.432	-45.911
48583_8584	48583	8584	-0.006	17.425	0.002	-0.04	0.452	-55.692
48584_8584	48584	8584	0.003	15.484	0.014	0.057	-0.182	22.408
48584_8585	48584	8585	-0.003	1.288	-0.014	-0.057	0.02	57.929
48585_8585	48585	8585	0.003	-1.288	0.014	0.006	-0.02	-57.929
48585_8586	48585	8586	-0.003	17.47	-0.014	-0.006	-0.137	-44.496
48586_8586	48586	8586	0.003	17.9	0.002	0.272	0.137	44.559
48586_8587	48586	8587	-0.003	-1.691	-0.002	-0.272	-0.16	62.595
48587_8587	48587	8587	0.003	1.691	0.002	-0.18	0.16	-62.595
48587_8588	48587	8588	-0.003	17.202	-0.002	0.18	-0.186	-36.286

48588_8588	48588	8588	0.001	17.688	0.001	0.013	0.186	35.399
48588_8589	48588	8589	-0.001	0.029	-0.001	-0.013	-0.194	70.176
48589_8589	48589	8589	0.001	-0.029	0.001	0.032	0.194	-70.176
48589_8590	48589	8590	-0.001	17.395	-0.001	-0.032	-0.203	-31.923
48590_8590	48590	8590	0	17.48	0.001	0.238	0.203	31.959
48590_8591	48590	8591	0	1.247	-0.001	-0.238	-0.217	70.622
48591_8591	48591	8591	0.001	-1.247	0.001	-0.249	0.217	-70.622
48591_8592	48591	8592	-0.001	17.604	-0.001	0.249	-0.229	-33.42
48592_8592	48592	8592	0.001	17.422	0.001	-0.002	0.229	33.928
48592_8593	48592	8593	-0.001	-0.792	-0.001	0.002	-0.241	68.276
48593_8593	48593	8593	0.001	0.792	0.001	-0.002	0.241	-68.276
48593_8594	48593	8594	-0.001	17.659	-0.001	0.002	-0.255	-36.743
48594_8594	48594	8594	0	16.802	-0.002	0.208	0.255	37.27
48594_8595	48594	8595	0	0.82	0.002	-0.208	-0.235	57.767
48595_8595	48595	8595	0	-0.82	-0.002	-0.241	0.235	-57.767
48595_8596	48595	8596	0	18.281	0.002	0.241	-0.215	-54.77
48596_8596	48596	8596	-0.001	18.361	0.015	-0.04	0.215	54.481
48596_8597	48596	8597	0.001	-0.638	-0.015	0.04	-0.399	59.139
48597_8597	48597	8597	-0.001	0.638	0.015	-0.021	0.399	-59.139
48597_8598	48597	8598	0.001	16.714	-0.015	0.021	-0.579	-34.988
48598_8598	48598	8598	0.007	10.187	-0.087	-0.04	0.579	34.833
48598_8599	48598	8599	-0.007	-0.305	0.087	0.04	0	0.151
49000_9000	49000	9000	-7.297	358.912	1.976	9.06	0	-41.591
49000_9001	49000	9001	7.297	-334.643	-1.976	-9.06	-16.403	2919.862
49001_9001	49001	9001	-7.294	334.643	1.986	4.982	16.403	-2919.87
49001_9002	49001	9002	7.294	-308.637	-1.986	-4.982	-34.072	5780.56
49002_9002	49002	9002	-7.292	292.405	-2.184	12.788	34.072	-5780.56
49002_9003	49002	9003	7.292	-257.075	2.184	-12.788	-7.686	9100.295
49003_9003	49003	9003	-7.296	257.075	-2.171	-3.153	7.686	-9100.3
49003_9004	49003	9004	7.296	-221.723	2.171	3.153	18.56	11994.73
49004_9004	49004	9004	-7.296	199.698	0.539	15.68	-18.56	-11994.7
49004_9005	49004	9005	7.296	-164.379	-0.539	-15.68	12.044	14193.6
49005_9005	49005	9005	-7.295	164.379	0.552	-9.169	-12.044	-14193.6
49005_9006	49005	9006	7.295	-129.039	-0.552	9.169	5.369	15966.79
49006_9006	49006	9006	-7.294	104.655	0.294	8.618	-5.369	-15966.8
49006_9007	49006	9007	7.294	-69.319	-0.294	-8.618	1.818	17018.04
49007_9007	49007	9007	-7.294	69.319	0.3	-5.343	-1.818	-17018
49007_9008	49007	9008	7.294	-33.987	-0.3	5.343	-1.805	17642.2
49008_9008	49008	9008	-7.294	9.054	-0.088	-1.212	1.805	-17642.2
49008_9009	49008	9009	7.294	26.296	0.088	1.212	-0.743	17537.96
49009_9009	49009	9009	-7.294	-26.296	-0.089	0.649	0.743	-17538
49009_9010	49009	9010	7.294	61.617	0.089	-0.649	0.328	17006.97
49010_9010	49010	9010	-7.293	-87.596	0.802	11.144	-0.328	-17007
49010_9011	49010	9011	7.293	122.938	-0.802	-11.144	-9.369	15734.6
49011_9011	49011	9011	-7.292	-122.938	0.814	-14.687	9.369	-15734.6
49011_9012	49011	9012	7.292	158.273	-0.814	14.687	-19.21	14035.42
49012_9012	49012	9012	-7.291	-183.073	0.657	6.609	19.21	-14035.4
49012_9013	49012	9013	7.291	218.405	-0.657	-6.609	-27.149	11609.8
49013_9013	49013	9013	-7.29	-218.405	0.669	-12.462	27.149	-11609.8
49013_9014	49013	9014	7.29	253.729	-0.669	12.462	-35.232	8757.873
49014_9014	49014	9014	-7.29	-277.403	-0.046	0.799	35.232	-8757.87
49014_9015	49014	9015	7.29	322.856	0.046	-0.799	-34.521	4092.254
49015_9015	49015	9015	-3.621	-322.918	-0.034	-6.063	34.454	-4096.76
49015_9016	49015	9016	3.364	345.46	0.034	6.063	-34.172	1339.722
49016_9016	49016	9016	4.54	-364.953	-3.577	-4.347	60.222	-1984.18

49016_9017	49016	9017	-5.6	397.284	3.577	4.347	-18.156	-2497.66
49017_9017	49017	9017	16.74	-396.971	-3.56	0.753	18.368	2497.66
49017_9018	49017	9018	-19.123	436.077	3.56	-0.753	28.897	-8025.92
49018_9018	49018	9018	33.294	-457.652	4.724	-13.269	-30.188	8025.745
49018_9019	49018	9019	-36.747	496.36	-4.724	13.269	-29.073	-14007.7
49019_9019	49019	9019	50.417	-495.158	4.736	9.337	31.435	14007.65
49019_9020	49019	9020	-55.239	536.354	-4.736	-9.337	-91.059	-20497.3
49020_9020	49020	9020	-2103.41	154.574	-25.789	-3.104	557.456	3550.3
49020_9021	49020	9021	2103.411	-127.816	25.789	3.104	-312.388	-2208.56
49021_9021	49021	9021	-2103.47	127.816	-20.947	1.98	312.388	2208.564
49021_9022	49021	9022	2103.465	-108.128	20.947	-1.98	-150.279	-1295.57
49022_9022	49022	9022	-2103.44	108.128	-23.031	0.697	150.279	1295.575
49022_9023	49022	9023	2103.443	-88.386	23.031	-0.697	28.443	-533.097
49023_9023	49023	9023	-2103.52	69.647	-4.682	-0.168	-28.443	533.089
49023_9024	49023	9024	2103.522	-49.296	4.682	0.168	65.899	-57.337
49024_9024	49024	9024	-2103.52	49.296	-4.682	-0.168	-65.899	57.337
49024_9025	49024	9025	2103.522	-28.945	4.682	0.168	103.356	255.613
49025_9025	49025	9025	-2103.53	28.945	-2.069	-0.485	-103.356	-255.612
49025_9026	49025	9026	2103.526	-8.596	2.069	0.485	119.902	405.75
49026_9026	49026	9026	-2103.52	-8.688	-4.823	0.025	-119.902	-405.749
49026_9027	49026	9027	2103.523	23.943	4.823	-0.025	148.822	307.913
49027_9027	49027	9027	-2103.53	-23.943	-0.956	-0.541	-148.822	-307.913
49027_9028	49027	9028	2103.528	39.221	0.956	0.541	154.562	118.255
49028_9028	49028	9028	-2103.53	-39.221	-1.336	-0.52	-154.562	-118.255
49028_9029	49028	9029	2103.528	54.473	1.336	0.52	162.569	-162.607
49029_9029	49029	9029	-2103.53	-54.473	-0.956	-0.49	-162.569	162.607
49029_9030	49029	9030	2103.528	69.75	0.956	0.49	168.309	-535.604
49030_9030	49030	9030	-2103.53	-87.274	1.523	-1.511	-168.309	535.609
49030_9031	49030	9031	2103.529	107.614	-1.523	1.511	156.133	-1314.7
49031_9031	49031	9031	-2103.53	-107.614	1.523	-1.511	-156.133	1314.704
49031_9032	49031	9032	2103.529	127.954	-1.523	1.511	143.957	-2256.42
49032_9032	49032	9032	-2103.53	-127.954	4.415	1.592	-143.957	2256.424
49032_9033	49032	9033	2103.525	148.317	-4.415	-1.592	108.614	-3362.09
49033_9033	49033	9033	-2103.48	-166.928	16.012	-5.279	-108.614	3362.122
49033_9034	49033	9034	2103.479	186.65	-16.012	5.279	-15.516	-4732.67
49034_9034	49034	9034	-2103.48	-186.65	16.012	-5.279	15.516	4732.668
49034_9035	49034	9035	2103.479	206.373	-16.012	5.279	-139.646	-6256.11
49035_9035	49035	9035	-2103.44	-206.373	21.033	9.655	139.646	6256.104
49035_9036	49035	9036	2103.435	233.122	-21.033	-9.655	-339.452	-8343.63
49036_9036	49036	9036	15.652	455.355	-3.532	-26.096	49.672	26389.85
49036_9037	49036	9037	-10.83	-414.184	3.532	26.096	-5.241	-20922.9
49037_9037	49037	9037	-0.645	414.325	-3.439	25.22	-0.07	20922.89
49037_9038	49037	9038	4.097	-375.596	3.439	-25.22	43.24	-15967.5
49038_9038	49038	9038	-15.746	356.029	2.507	-3.617	-40.685	15967.82
49038_9039	49038	9039	18.128	-316.941	-2.507	3.617	7.419	-11504.3
49039_9039	49039	9039	-52.864	249.682	1.023	2.708	-13.183	1543.463
49039_9040	49039	9040	53.926	-217.292	-1.023	-2.708	1.145	1202.406
49040_9040	49040	9040	-58.788	197.099	0.434	0.495	-1.061	-1202.41
49040_9041	49040	9041	59.043	-174.626	-0.434	-0.495	-2.521	2735.423
49041_9041	49041	9041	-61.024	173.944	0.427	0.795	2.526	-2735.42
49041_9042	49041	9042	61.024	-136.95	-0.427	-0.795	-8.981	5085.734
49042_9042	49042	9042	-61.024	115.602	-0.1	2.844	8.981	-5085.74
49042_9043	49042	9043	61.024	-86.527	0.1	-2.844	-7.788	6286.675
49043_9043	49043	9043	-61.024	86.527	-0.054	-1.929	7.788	-6286.68
49043_9044	49043	9044	61.024	-57.479	0.054	1.929	-7.146	7141.498

49044_9044	49044	9044	-61.024	34.626	-0.072	3.232	7.146	-7141.49
49044_9045	49044	9045	61.024	-5.559	0.072	-3.232	-6.29	7380.184
49045_9045	49045	9045	-61.024	5.559	-0.021	-2.955	6.29	-7380.18
49045_9046	49045	9046	61.024	23.507	0.021	2.955	-6.041	7273.578
49046_9046	49046	9046	-61.024	-46.839	0.001	2.538	6.041	-7273.58
49046_9047	49046	9047	61.024	75.9	-0.001	-2.538	-6.053	6544.664
49047_9047	49047	9047	-61.024	-75.9	0.052	-2.951	6.053	-6544.66
49047_9048	49047	9048	61.024	104.959	-0.052	2.951	-6.672	5470.677
49048_9048	49048	9048	-61.024	-128.081	0.176	1.071	6.672	-5470.68
49048_9049	49048	9049	61.024	157.136	-0.176	-1.071	-8.762	3777.238
49049_9049	49049	9049	-61.024	-157.136	0.227	-2.098	8.762	-3777.24
49049_9050	49049	9050	61.024	186.188	-0.227	2.098	-11.459	1738.944
49050_9050	49050	9050	-61.024	-208.138	-0.407	-1.191	11.459	-1738.94
49050_9051	49050	9051	61.024	245.167	0.407	1.191	-5.302	-1691.27
49051_9051	49051	9051	-58.234	-245.845	-0.35	0.326	5.306	1691.271
49051_9052	49051	9052	57.998	266.629	0.35	-0.326	-2.42	-3805.03
49052_9052	49052	9052	-51.614	-287.658	-0.918	-2.086	2.349	3804.925
49052_9053	49052	9053	50.634	317.549	0.918	2.086	8.447	-7361.76
49053_9053	49053	9053	-44.188	-320.962	-2.479	0.04	2.422	7709.264
49053_9054	49053	9054	41.836	359.458	2.479	-0.04	30.496	-12225.2
49054_9054	49054	9054	-29.873	-381.42	2.47	-8.205	-31.297	12224.87
49054_9055	49054	9055	26.477	419.408	-2.47	8.205	0.307	-17247.7
49055_9055	49055	9055	-14.878	-419.979	2.52	5.469	1.069	17247.67
49055_9056	49055	9056	10.157	460.22	-2.52	-5.469	-32.786	-22783.3
49056_9056	49056	9056	-2035.45	199.217	-19.753	-5.326	354.56	6116.903
49056_9057	49056	9057	2035.449	-172.803	19.753	5.326	-166.926	-4350.02
49057_9057	49057	9057	-2035.48	172.803	-16.08	2.831	166.926	4311.178
49057_9058	49057	9058	2035.481	-151.707	16.08	-2.831	-42.267	-3053.3
49058_9058	49058	9058	-2035.5	151.707	-13.462	6.759	42.267	3053.291
49058_9059	49058	9059	2035.5	-130.613	13.462	-6.759	62.084	-1959.06
49059_9059	49059	9059	-2035.53	112.776	-5.195	-0.653	-62.084	1959.033
49059_9060	49059	9060	2035.529	-91.026	5.195	0.653	103.608	-1144.59
49060_9060	49060	9060	-2035.53	91.026	-2.468	0.881	-103.608	1144.585
49060_9061	49060	9061	2035.534	-69.252	2.468	-0.881	123.355	-503.331
49061_9061	49061	9061	-2035.53	69.252	-2.468	0.881	-123.355	503.331
49061_9062	49061	9062	2035.534	-47.477	2.468	-0.881	143.101	-36.312
49062_9062	49062	9062	-2035.53	30.714	0.233	0.222	-143.101	36.309
49062_9063	49062	9063	2035.533	-14.372	-0.233	-0.222	141.701	99.073
49063_9063	49063	9063	-2035.53	14.372	-3.396	0.399	-141.701	-99.072
49063_9064	49063	9064	2035.531	1.944	3.396	-0.399	162.063	136.332
49064_9064	49064	9064	-2035.53	-1.944	3.377	-0.055	-162.063	-136.333
49064_9065	49064	9065	2035.531	18.257	-3.377	0.055	141.819	75.781
49065_9065	49065	9065	-2035.53	-18.257	0.233	0.062	-141.819	-75.781
49065_9066	49065	9066	2035.533	34.599	-0.233	-0.062	140.419	-82.932
49066_9066	49066	9066	-2035.53	-51.381	1.972	-0.542	-140.419	82.933
49066_9067	49066	9067	2035.534	73.15	-1.972	0.542	124.647	-581.033
49067_9067	49067	9067	-2035.53	-73.15	4.51	0.182	-124.647	581.033
49067_9068	49067	9068	2035.529	94.916	-4.51	-0.182	88.57	-1253.21
49068_9068	49068	9068	-2035.53	-94.916	4.51	0.182	-88.57	1253.207
49068_9069	49068	9069	2035.529	116.683	-4.51	-0.182	52.493	-2099.49
49069_9069	49069	9069	-2035.49	-134.383	15.463	-3.967	-52.493	2099.523
49069_9070	49069	9070	2035.486	155.465	-15.463	3.967	-67.307	-3222.32
49070_9070	49070	9070	-2035.49	-155.465	15.639	-3.688	67.307	3222.316
49070_9071	49070	9071	2035.485	176.575	-15.639	3.688	-188.628	-4510.21
49071_9071	49071	9071	-2035.45	-176.575	19.252	4.684	188.628	4549.048

49071_9072	49071	9072	2035.454	202.992	-19.252	-4.684	-371.526	-6352.04
49072_9072	49072	9072	-5.452	458.014	-2.447	-12.912	37.707	23090.59
49072_9073	49072	9073	10.172	-417.779	2.447	12.912	-6.921	-17583.7
49073_9073	49073	9073	-21.741	417.338	-2.35	15.761	3.982	17583.65
49073_9074	49073	9074	25.136	-379.333	2.35	-15.761	25.52	-12584.7
49074_9074	49074	9074	-36.815	360.677	2.742	0.936	-24.119	12584.87
49074_9075	49074	9075	39.166	-322.203	-2.742	-0.936	-12.265	-8055.37
49075_9075	49075	9075	-48.947	247.555	1.216	-1.274	-2.206	-3395.66
49075_9076	49075	9076	49.909	-218.219	-1.216	1.274	-12.093	6133.45
49076_9076	49076	9076	-54.781	200.184	-0.294	2.943	12.012	-6133.58
49076_9077	49076	9077	55.013	-179.804	0.294	-2.943	-9.591	7700.046
49077_9077	49077	9077	-57.054	179.167	-0.273	-0.092	9.624	-7683.45
49077_9078	49077	9078	57.054	-143.296	0.273	0.092	-5.886	9894.567
49078_9078	49078	9078	-57.054	124.211	-0.086	6.564	5.886	-9894.58
49078_9079	49078	9079	57.054	-95.024	0.086	-6.564	-4.927	11117.73
49079_9079	49079	9079	-57.054	95.024	-0.032	-3.946	4.927	-11117.7
49079_9080	49079	9080	57.054	-65.812	0.032	3.946	-4.569	12015.82
49080_9080	49080	9080	-57.054	45.46	-0.087	0.803	4.569	-12015.8
49080_9081	49080	9081	57.054	-16.251	0.087	-0.803	-3.594	12360.38
49081_9081	49081	9081	-57.054	16.251	-0.087	0.803	3.594	-12360.4
49081_9082	49081	9082	57.054	12.957	0.087	-0.803	-2.619	12378.77
49082_9082	49082	9082	-57.055	-34.962	-0.064	4.645	2.619	-12378.8
49082_9083	49082	9083	57.055	66.367	0.064	-4.645	-1.854	11770.45
49083_9083	49083	9083	-57.055	-66.367	-0.019	-4.639	1.854	-11770.4
49083_9084	49083	9084	57.055	97.745	0.019	4.639	-1.629	10786.1
49084_9084	49084	9084	-57.055	-119.883	0.031	3.448	1.629	-10786.1
49084_9085	49084	9085	57.055	149.085	-0.031	-3.448	-1.972	9284.711
49085_9085	49085	9085	-57.054	-149.085	0.082	-4.858	1.972	-9284.71
49085_9086	49085	9086	57.054	178.285	-0.082	4.858	-2.884	7457.405
49086_9086	49086	9086	-57.054	-199.566	0.045	0.985	2.884	-7457.4
49086_9087	49086	9087	57.054	228.791	-0.045	-0.985	-3.389	5064.365
49087_9087	49087	9087	-57.054	-228.791	0.094	-3.327	3.389	-5064.36
49087_9088	49087	9088	57.054	257.989	-0.094	3.327	-4.436	2347.497
49088_9088	49088	9088	-57.055	-277.641	-0.478	-2.296	4.436	-2347.49
49088_9089	49088	9089	57.055	312.126	0.478	2.296	1.867	-1540.16
49089_9089	49089	9089	-53.508	-312.753	-0.438	-1.057	-1.879	1523.558
49089_9090	49089	9090	53.264	334.29	0.438	1.057	5.494	-4195.41
49090_9090	49090	9090	-45.447	-354.621	-0.2	-7.334	-5.726	4195.286
49090_9091	49090	9091	44.432	385.526	0.2	7.334	8.079	-8542.24
49091_9091	49091	9091	-36.338	-388.244	-1.612	3.227	-0.088	8798.695
49091_9092	49091	9092	34.012	426.419	1.612	-3.227	21.487	-14204.9
49092_9092	49092	9092	-20.2	-448.051	1.656	-24.905	-23.95	14204.58
49092_9093	49092	9093	16.839	485.745	-1.656	24.905	3.173	-20062.3
49093_9093	49093	9093	-3.41	-486.025	1.799	22.976	1.735	20062.3
49093_9094	49093	9094	-1.267	525.972	-1.799	-22.976	-24.378	-26427.6
49094_9094	49094	9094	-2247.85	181.819	-14.419	-4.179	220.44	6652.571
49094_9095	49094	9095	2247.848	-155.636	14.419	4.179	-83.501	-5050.13
49095_9095	49095	9095	-2247.87	155.636	-10.897	3.733	83.501	5050.131
49095_9096	49095	9096	2247.868	-134.848	10.897	-3.733	1.009	-3923.72
49096_9096	49096	9096	-2247.87	134.848	-11.005	3.544	-1.009	3923.716
49096_9097	49096	9097	2247.867	-114.087	11.005	-3.544	86.252	-2959.66
49097_9097	49097	9097	-2247.92	96.33	1.797	-1.749	-86.252	2959.62
49097_9098	49097	9098	2247.915	-74.873	-1.797	1.749	71.864	-2274.36
49098_9098	49098	9098	-2247.91	74.873	4.505	0.991	-71.864	2274.358
49098_9099	49098	9099	2247.911	-53.443	-4.505	-0.991	35.846	-1761.42

49099_9099	49099	9099	-2247.91	53.443	4.604	1.068	-35.846	1761.421
49099_9100	49099	9100	2247.911	-31.987	-4.604	-1.068	-1.005	-1419.49
49100_9100	49100	9100	-2247.9	16.279	-0.85	-0.799	1.005	1419.486
49100_9101	49100	9101	2247.896	-0.188	0.85	0.799	4.099	-1370.06
49101_9101	49101	9101	-2247.9	0.188	-0.975	-0.875	-4.099	1370.058
49101_9102	49101	9102	2247.896	15.877	0.975	0.875	9.943	-1417.07
49102_9102	49102	9102	-2247.9	-15.877	-0.85	-0.796	-9.943	1417.072
49102_9103	49102	9103	2247.896	31.968	0.85	0.796	15.046	-1560.69
49103_9103	49103	9103	-2247.89	-31.968	2.892	1.802	-15.046	1560.686
49103_9104	49103	9104	2247.894	48.059	-2.892	-1.802	-2.317	-1800.89
49104_9104	49104	9104	-2247.91	-63.735	-5.959	-2.461	2.317	1800.894
49104_9105	49104	9105	2247.908	85.162	5.959	2.461	45.318	-2396.03
49105_9105	49105	9105	-2247.91	-85.162	-3.064	0.625	-45.318	2396.029
49105_9106	49105	9106	2247.914	106.615	3.064	-0.625	69.839	-3163.48
49106_9106	49106	9106	-2247.91	-106.615	-3.148	0.506	-69.839	3163.48
49106_9107	49106	9107	2247.914	128.041	3.148	-0.506	95.003	-4101.35
49107_9107	49107	9107	-2247.87	-145.776	9.609	-3.502	-95.003	4101.395
49107_9108	49107	9108	2247.874	166.557	-9.609	3.502	20.504	-5312.17
49108_9108	49108	9108	-2247.87	-166.557	9.609	-3.502	-20.504	5312.174
49108_9109	49108	9109	2247.874	187.339	-9.609	3.502	-53.995	-6684.07
49109_9109	49109	9109	-2247.86	-187.339	11.897	3.302	53.995	6684.074
49109_9110	49109	9110	2247.863	213.539	-11.897	-3.302	-167.058	-8588.96
49110_9110	49110	9110	-13.803	492.522	-1.788	-17.808	16.861	28678.26
49110_9111	49110	9111	18.48	-452.591	1.788	17.808	5.633	-22736.3
49111_9111	49111	9111	-31.01	451.906	-1.673	19.044	-9.394	22736.29
49111_9112	49111	9112	34.371	-414.203	1.673	-19.044	30.396	-17302
49112_9112	49112	9112	-47.091	394.05	1.854	-1.83	-28.527	17302.4
49112_9113	49112	9113	49.417	-355.899	-1.854	1.83	3.93	-12328.8
49113_9113	49113	9113	-58.805	279.845	0.852	2.327	0.343	788.16
49113_9114	49113	9114	59.816	-249.001	-0.852	-2.327	-10.367	2320.792
49114_9114	49114	9114	-65.346	230.222	-0.132	1.797	10.418	-2320.83
49114_9115	49114	9115	65.59	-208.767	0.132	-1.797	-9.33	4132.107
49115_9115	49115	9115	-67.957	208.009	-0.119	0.901	9.349	-4112.57
49115_9116	49115	9116	67.957	-174.287	0.119	-0.901	-7.712	6733.757
49116_9116	49116	9116	-67.958	155.217	-0.146	8.228	7.712	-6733.76
49116_9117	49116	9117	67.958	-127.769	0.146	-8.228	-6.081	8313.102
49117_9117	49117	9117	-67.958	127.769	-0.023	-6.792	6.081	-8313.1
49117_9118	49117	9118	67.958	-100.296	0.023	6.792	-5.821	9587.029
49118_9118	49118	9118	-67.958	79.325	-0.417	9.738	5.821	-9587.04
49118_9119	49118	9119	67.958	-51.877	0.417	-9.738	-1.163	10319.25
49119_9119	49119	9119	-67.959	51.877	-0.295	-8.891	1.163	-10319.3
49119_9120	49119	9120	67.959	-24.406	0.295	8.891	2.128	10745.35
49120_9120	49120	9120	-67.959	2.742	-0.053	8.817	-2.128	-10745.4
49120_9121	49120	9121	67.959	26.746	0.053	-8.817	2.767	10601.45
49121_9121	49121	9121	-67.959	-26.746	0.061	-8.974	-2.767	-10601.4
49121_9122	49121	9122	67.959	56.258	-0.061	8.974	2.039	10103.38
49122_9122	49122	9122	-67.959	-78.519	-0.227	11.664	-2.039	-10103.4
49122_9123	49122	9123	67.959	105.989	0.227	-11.664	4.574	9072.82
49123_9123	49123	9123	-67.959	-105.989	-0.044	-12.7	-4.574	-9072.82
49123_9124	49123	9124	67.959	133.459	0.044	12.7	5.07	7735.436
49124_9124	49124	9124	-67.959	-154.227	-0.243	4.424	-5.07	-7735.44
49124_9125	49124	9125	67.959	181.672	0.243	-4.424	7.783	5861.041
49125_9125	49125	9125	-67.959	-181.672	-0.121	-6.121	-7.783	-5861.04
49125_9126	49125	9126	67.959	209.141	0.121	6.121	9.132	3678.28
49126_9126	49126	9126	-67.959	-228.46	0.296	-0.575	-9.132	-3678.28

49126_9127	49126	9127	67.959	261.389	-0.296	0.575	5.168	398.654
49127_9127	49127	9127	-64.981	-262.145	0.391	-1.187	-5.182	-418.19
49127_9128	49127	9128	64.756	281.889	-0.391	1.187	1.959	-1823.36
49128_9128	49128	9128	-58.115	-300.67	-2.924	-5.434	-2.124	1823.327
49128_9129	49128	9129	57.182	329.111	2.924	5.434	36.497	-5524.88
49129_9129	49129	9129	-55.038	-333.067	-5.316	7.247	-42.889	5888.053
49129_9130	49129	9130	52.776	370.19	5.316	-7.247	113.461	-10554.1
49130_9130	49130	9130	-40.452	-393.406	9.921	-6.353	-114.71	10554.07
49130_9131	49130	9131	37.179	430.111	-9.921	6.353	-9.793	-15719.5
49131_9131	49131	9131	-25.319	-430.971	9.981	5.891	11.078	15719.45
49131_9132	49131	9132	20.758	469.964	-9.981	-5.891	-136.793	-21390.5
49132_9132	49132	9132	-1896.9	172.314	2.901	2.17	-12.388	5222.692
49132_9133	49132	9133	1896.895	-146.873	-2.901	-2.17	-15.173	-3706.55
49133_9133	49133	9133	-1896.9	146.873	0.454	-2.612	15.173	3706.554
49133_9134	49133	9134	1896.897	-127.831	-0.454	2.612	-18.688	-2642.07
49134_9134	49134	9134	-1896.9	127.831	2.901	0.797	18.688	2642.073
49134_9135	49134	9135	1896.895	-108.79	-2.901	-0.797	-41.173	-1725.17
49135_9135	49135	9135	-1896.9	90.416	0.365	-0.983	41.173	1725.166
49135_9136	49135	9136	1896.897	-70.76	-0.365	0.983	-44.092	-1080.46
49136_9136	49136	9136	-1896.9	70.76	2.736	0.368	44.092	1080.464
49136_9137	49136	9137	1896.895	-51.103	-2.736	-0.368	-65.981	-593.012
49137_9137	49137	9137	-1896.9	51.103	2.736	0.368	65.981	593.012
49137_9138	49137	9138	1896.895	-31.447	-2.736	-0.368	-87.869	-262.809
49138_9138	49138	9138	-1896.89	13.954	-4.676	-0.346	87.869	262.809
49138_9139	49138	9139	1896.894	0.789	4.676	0.346	-59.815	-223.314
49139_9139	49139	9139	-1896.9	-0.789	-1.514	0.026	59.815	223.314
49139_9140	49139	9140	1896.899	15.531	1.514	-0.026	-50.729	-272.271
49140_9140	49140	9140	-1896.9	-15.531	-1.514	0.026	50.729	272.271
49140_9141	49140	9141	1896.899	30.273	1.514	-0.026	-41.644	-409.682
49141_9141	49141	9141	-1896.89	-30.273	-4.676	-0.656	41.644	409.681
49141_9142	49141	9142	1896.894	45.015	4.676	0.656	-13.589	-635.544
49142_9142	49142	9142	-1896.9	-62.375	-1.653	-0.137	13.589	635.545
49142_9143	49142	9143	1896.899	82.031	1.653	0.137	-0.363	-1213.17
49143_9143	49143	9143	-1896.9	-82.031	-4.024	-1.654	0.363	1213.17
49143_9144	49143	9144	1896.896	101.687	4.024	1.654	31.833	-1948.05
49144_9144	49144	9144	-1896.9	-101.687	-1.653	0.781	-31.833	1948.046
49144_9145	49144	9145	1896.899	121.344	1.653	-0.781	45.059	-2840.17
49145_9145	49145	9145	-1896.9	-137.774	2.363	0.768	-45.059	2840.17
49145_9146	49145	9146	1896.895	156.816	-2.363	-0.768	26.743	-3981.71
49146_9146	49146	9146	-1896.9	-156.816	-0.084	-4.369	-26.743	3981.706
49146_9147	49146	9147	1896.897	175.858	0.084	4.369	27.395	-5270.82
49147_9147	49147	9147	-1896.9	-175.858	2.363	2.432	-27.395	5270.821
49147_9148	49147	9148	1896.895	201.298	-2.363	-2.432	4.942	-7062.31
49148_9148	49148	9148	-22.875	415.714	0.008	0.392	-19.749	23627.36
49148_9149	49148	9149	27.437	-376.752	-0.008	-0.392	19.654	-18643.3
49149_9149	49149	9149	-37.83	375.85	0.008	0.934	-19.636	18643.31
49149_9150	49149	9150	41.103	-339.145	-0.008	-0.934	19.541	-14158.9
49150_9150	49150	9150	-51.433	324.324	-0.647	0.448	-19.444	14158.9
49150_9151	49150	9151	53.695	-287.201	0.647	-0.448	28.031	-10101.7
49151_9151	49151	9151	-68.974	205.94	0.423	1.319	-14.251	-1180.85
49151_9152	49151	9152	69.92	-177.101	-0.423	-1.319	9.28	3431.981
49152_9152	49152	9152	-73.892	158.529	0.231	-2.007	-9.21	-3431.98
49152_9153	49152	9153	74.12	-138.482	-0.231	2.007	7.301	4657.173
49153_9153	49153	9153	-75.689	137.631	0.176	1.464	-7.323	-4657.17
49153_9154	49153	9154	75.689	-105.221	-0.176	-1.464	4.899	6326.776

49154_9154	49154	9154	-75.689	85.787	-0.029	3.486	-4.899	-6326.78
49154_9155	49154	9155	75.689	-59.859	0.029	-3.486	5.223	7127.829
49155_9155	49155	9155	-75.689	59.859	0.039	-2.994	-5.223	-7127.83
49155_9156	49155	9156	75.689	-33.931	-0.039	2.994	4.79	7643.674
49156_9156	49156	9156	-75.689	13.411	0.088	3.894	-4.79	-7643.67
49156_9157	49156	9157	75.689	10.16	-0.088	-3.894	3.91	7659.925
49157_9157	49157	9157	-75.689	-10.16	0.164	-3.766	-3.91	-7659.93
49157_9158	49157	9158	75.689	33.731	-0.164	3.766	2.273	7440.469
49158_9158	49158	9158	-75.689	-53.664	0	3.282	-2.273	-7440.47
49158_9159	49158	9159	75.689	77.234	0	-3.282	2.269	6785.979
49159_9159	49159	9159	-75.689	-77.234	0.076	-3.504	-2.269	-6785.98
49159_9160	49159	9160	75.689	100.805	-0.076	3.504	1.508	5895.781
49160_9160	49160	9160	-75.689	-120.961	0.199	-0.273	-1.508	-5895.78
49160_9161	49160	9161	75.689	146.865	-0.199	0.273	-0.681	4424.078
49161_9161	49161	9161	-75.689	-146.865	0.199	-0.277	0.681	-4424.08
49161_9162	49161	9162	75.689	172.793	-0.199	0.277	-2.872	2665.958
49162_9162	49162	9162	-75.689	-191.556	-0.201	-0.389	2.872	-2665.96
49162_9163	49162	9163	75.689	223.966	0.201	0.389	-0.106	-190.759
49163_9163	49163	9163	-73.138	-224.812	-0.293	-0.621	0.099	190.758
49163_9164	49163	9164	72.911	244.859	0.293	0.621	2.317	-2128.22
49164_9164	49164	9164	-67.11	-262.784	0.32	0.855	-2.283	2128.219
49164_9165	49164	9165	66.164	291.623	-0.32	-0.855	-1.474	-5386.66
49165_9165	49165	9165	-63.307	-295.435	-1.14	-2.973	9.744	5770.843
49165_9166	49165	9166	61.06	332.307	1.14	2.973	5.394	-9935.69
49166_9166	49166	9166	-50.264	-350.104	0.761	-6.202	-5.777	9935.685
49166_9167	49166	9167	47.012	386.572	-0.761	6.202	-3.767	-14556.1
49167_9167	49167	9167	-36.318	-387.723	0.825	5.262	4.949	14556.14
49167_9168	49167	9168	31.784	426.447	-0.825	-5.262	-15.337	-19676.8
49168_9168	49168	9168	-1786.61	181.646	-2.959	-0.991	48.057	5138.458
49168_9169	49168	9169	1786.605	-156.386	2.959	0.991	-19.946	-3532.81
49169_9169	49169	9169	-1786.61	156.386	-1.078	2.728	19.946	3532.806
49169_9170	49169	9170	1786.607	-137.26	1.078	-2.728	-11.588	-2394.93
49170_9170	49170	9170	-1786.6	137.26	-3.384	-0.362	11.588	2394.929
49170_9171	49170	9171	1786.604	-118.135	3.384	0.362	14.637	-1405.27
49171_9171	49171	9171	-1786.61	101.061	1.482	0.7	-14.637	1405.271
49171_9172	49171	9172	1786.607	-81.319	-1.482	-0.7	2.778	-675.752
49172_9172	49172	9172	-1786.61	81.319	-0.751	-0.145	-2.778	675.753
49172_9173	49172	9173	1786.607	-61.576	0.751	0.145	8.785	-104.172
49173_9173	49173	9173	-1786.61	61.576	1.482	-0.015	-8.785	104.173
49173_9174	49173	9174	1786.607	-41.834	-1.482	0.015	-3.073	309.469
49174_9174	49174	9174	-1786.61	24.134	0.846	-0.186	3.073	-309.469
49174_9175	49174	9175	1786.607	-9.327	-0.846	0.186	-8.15	409.852
49175_9175	49175	9175	-1786.61	9.327	-2.132	0.497	8.15	-409.852
49175_9176	49175	9176	1786.606	5.48	2.132	-0.497	4.639	421.395
49176_9176	49176	9176	-1786.61	-5.48	0.846	-0.205	-4.639	-421.395
49176_9177	49176	9177	1786.607	20.286	-0.846	0.205	-0.438	344.098
49177_9177	49177	9177	-1786.61	-20.286	0.846	-0.205	0.438	-344.098
49177_9178	49177	9178	1786.607	35.093	-0.846	0.205	-5.515	177.96
49178_9178	49178	9178	-1786.61	-52.729	-1.951	-0.075	5.515	-177.96
49178_9179	49178	9179	1786.606	72.471	1.951	0.075	10.089	-322.842
49179_9179	49179	9179	-1786.61	-72.471	0.283	0.329	-10.089	322.842
49179_9180	49179	9180	1786.607	92.214	-0.283	-0.329	7.828	-981.582
49180_9180	49180	9180	-1786.61	-92.214	-1.951	-0.898	-7.828	981.581
49180_9181	49180	9181	1786.606	111.956	1.951	0.898	23.432	-1798.26
49181_9181	49181	9181	-1786.61	-128.897	3.614	0.933	-23.432	1798.26

49181_9182	49181	9182	1786.607	148.023	-3.614	-0.933	-4.579	-2871.33
49182_9182	49182	9182	-1786.61	-148.023	3.614	0.933	4.579	2871.325
49182_9183	49182	9183	1786.607	167.148	-3.614	-0.933	-32.589	-4092.61
49183_9183	49183	9183	-1786.61	-167.148	1.734	-3.375	32.589	4092.611
49183_9184	49183	9184	1786.61	192.408	-1.734	3.375	-49.059	-5800.5
49184_9184	49184	9184	-38.116	406.034	-1.151	-5.81	6.164	20493.21
49184_9185	49184	9185	42.65	-367.309	1.151	5.81	8.325	-15629.5
49185_9185	49185	9185	-52.778	365.992	-1.083	6.876	-9.592	15629.49
49185_9186	49185	9186	56.029	-329.524	1.083	-6.876	23.186	-11267.3
49186_9186	49186	9186	-66.141	313.352	1.45	0.34	-22.546	11267.31
49186_9187	49186	9187	68.387	-276.48	-1.45	-0.34	3.295	-7354.09
49187_9187	49187	9187	-66.353	187.515	0.15	1.164	-8.89	-4139.68
49187_9188	49187	9188	67.32	-158.058	-0.15	-1.164	7.127	6170.566
49188_9188	49188	9188	-70.889	139.093	0.332	-2.451	-7.057	-6170.57
49188_9189	49188	9189	71.122	-118.612	-0.332	2.451	4.317	7233.611
49189_9189	49189	9189	-72.465	117.796	0.279	2.817	-4.345	-7244.36
49189_9190	49189	9190	72.465	-83.261	-0.279	-2.817	0.503	8626.628
49190_9190	49190	9190	-72.465	62.884	-0.017	-3.735	-0.503	-8626.63
49190_9191	49190	9191	72.465	-35.256	0.017	3.735	0.691	9166.395
49191_9191	49191	9191	-72.465	35.256	-0.083	4.598	-0.691	-9166.39
49191_9192	49191	9192	72.465	-7.628	0.083	-4.598	1.604	9402.253
49192_9192	49192	9192	-72.465	-13.504	0.006	4.718	-1.604	-9402.25
49192_9193	49192	9193	72.465	38.495	-0.006	-4.718	1.544	9143.556
49193_9193	49193	9193	-72.465	-38.495	0.079	-4.472	-1.544	-9143.56
49193_9194	49193	9194	72.465	63.486	-0.079	4.472	0.759	8636.201
49194_9194	49194	9194	-72.465	-84.259	0.031	3.69	-0.759	-8636.2
49194_9195	49194	9195	72.465	109.25	-0.031	-3.69	0.447	7673.495
49195_9195	49195	9195	-72.465	-109.25	0.104	-4.022	-0.447	-7673.5
49195_9196	49195	9196	72.465	134.216	-0.104	4.022	-0.589	6463.472
49196_9196	49196	9196	-72.466	-155.343	0.078	1.63	0.589	-6463.48
49196_9197	49196	9197	72.466	182.971	-0.078	-1.63	-1.441	4602.752
49197_9197	49197	9197	-72.465	-182.971	0.143	-2.554	1.441	-4602.75
49197_9198	49197	9198	72.465	210.599	-0.143	2.554	-3.018	2438.121
49198_9198	49198	9198	-72.463	-231.037	-0.224	-0.93	3.018	-2438.12
49198_9199	49198	9199	72.463	265.597	0.224	0.93	0.063	-978.72
49199_9199	49199	9199	-69.381	-266.419	-0.171	-0.268	-0.066	999.572
49199_9200	49199	9200	69.134	287.741	0.171	0.268	1.48	-3285.58
49200_9200	49200	9200	-62.23	-307.336	-0.66	-1.806	-1.538	3285.584
49200_9201	49200	9201	61.206	337.991	0.66	1.806	9.293	-7078.54
49201_9201	49201	9201	-57.229	-343.178	-3.344	-0.483	2.215	7622.526
49201_9202	49201	9202	54.746	383.377	3.344	0.483	42.183	-12443.5
49202_9202	49202	9202	-42.143	-404.48	2.868	5.027	-41.79	12443.44
49202_9203	49202	9203	38.57	444.086	-2.868	-5.027	5.8	-17766.5
49203_9203	49203	9203	-26.268	-444.983	2.805	-8.929	-7.327	17766.47
49203_9204	49203	9204	21.32	486.846	-2.805	8.929	-27.979	-23628.3
49204_9204	49204	9204	-2117.58	200.317	-13.102	-3.173	262.442	6365.294
49204_9205	49204	9205	2117.577	-172.672	13.102	3.173	-137.973	-4593.59
49205_9205	49205	9205	-2117.59	172.672	-10.873	2.995	137.973	4334.013
49205_9206	49205	9206	2117.589	-151.601	10.873	-2.995	-53.707	-3077.45
49206_9206	49206	9206	-2117.59	151.601	-10.873	2.995	53.707	3077.454
49206_9207	49206	9207	2117.589	-130.53	10.873	-2.995	30.559	-1984.2
49207_9207	49207	9207	-2117.64	110.989	-3.347	-0.867	-30.559	1984.19
49207_9208	49207	9208	2117.64	-89.239	3.347	0.867	57.334	-1183.28
49208_9208	49208	9208	-2117.64	89.239	-0.7	0.612	-57.334	1183.277
49208_9209	49208	9209	2117.642	-67.488	0.7	-0.612	62.933	-556.371

49209_9209	49209	9209	-2117.64	67.488	1.947	1.307	-62.933	556.37
49209_9210	49209	9210	2117.642	-45.737	-1.947	-1.307	47.356	-103.47
49210_9210	49210	9210	-2117.61	27.367	-5.512	0.018	-47.356	103.464
49210_9211	49210	9211	2117.611	-11.054	5.512	-0.018	80.428	11.798
49211_9211	49211	9211	-2117.62	11.054	-1.983	-0.001	-80.428	-11.798
49211_9212	49211	9212	2117.617	5.26	1.983	0.001	92.325	29.18
49212_9212	49212	9212	-2117.62	-5.26	1.546	-0.05	-92.325	-29.18
49212_9213	49212	9213	2117.617	21.573	-1.546	0.05	83.047	-51.32
49213_9213	49213	9213	-2117.61	-21.573	5.076	0.035	-83.047	51.32
49213_9214	49213	9214	2117.612	37.887	-5.076	-0.035	52.592	-229.705
49214_9214	49214	9214	-2117.68	-56.006	-6.833	-2.922	-52.592	229.721
49214_9215	49214	9215	2117.676	77.731	6.833	2.922	107.193	-764.026
49215_9215	49215	9215	-2117.69	-77.731	-1.566	-1.022	-107.193	764.031
49215_9216	49215	9216	2117.686	99.483	1.566	1.022	119.725	-1472.94
49216_9216	49216	9216	-2117.68	-99.483	3.727	2.66	-119.725	1472.94
49216_9217	49216	9217	2117.683	121.236	-3.727	-2.66	89.906	-2355.92
49217_9217	49217	9217	-2117.64	-141.317	11.074	-11.748	-89.906	2356.111
49217_9218	49217	9218	2117.635	162.391	-11.074	11.748	4.073	-3533.15
49218_9218	49218	9218	-2117.58	-162.391	19.268	1.924	-4.073	3533.165
49218_9219	49218	9219	2117.576	183.467	-19.268	-1.924	-145.287	-4873.65
49219_9219	49219	9219	-2117.57	-183.467	20.131	6.376	145.287	5133.227
49219_9220	49219	9220	2117.568	211.118	-20.131	-6.376	-336.569	-7007.92
49220_9220	49220	9220	-5.282	458.11	-3.216	-29.224	25.891	24526.38
49220_9221	49220	9221	10.229	-416.267	3.216	29.224	14.575	-19028.7
49221_9221	49221	9221	-21.794	415.823	-3.029	31.405	-20.811	19028.73
49221_9222	49221	9222	25.367	-376.201	3.029	-31.405	58.84	-14058.5
49222_9222	49222	9222	-37.22	352.039	4.832	-1.447	-55.799	14060.27
49222_9223	49222	9223	39.703	-311.851	-4.832	1.447	-8.333	-9656.38
49223_9223	49223	9223	-54.639	218.048	1.735	-1.76	-32.367	-1947.28
49223_9224	49223	9224	55.684	-186.789	-1.735	1.76	11.974	4326.142
49224_9224	49224	9224	-59.987	167.513	0.837	11.361	-12.158	-4326.85
49224_9225	49224	9225	60.239	-145.746	-0.837	-11.361	5.247	5620.045
49225_9225	49225	9225	-61.919	145.039	1.045	-7.624	-5.115	-5628.68
49225_9226	49225	9226	61.919	-105.451	-1.045	7.624	-10.023	7442.592
49226_9226	49226	9226	-61.935	86.525	0.263	11.346	10.023	-7443.44
49226_9227	49226	9227	61.935	-55.441	-0.263	-11.346	-13.016	8250.646
49227_9227	49227	9227	-61.934	55.441	0.426	-10.395	13.016	-8250.65
49227_9228	49227	9228	61.934	-24.352	-0.426	10.395	-17.865	8704.4
49228_9228	49228	9228	-61.936	5.912	0.252	10.891	17.865	-8704.77
49228_9229	49228	9229	61.936	25.156	-0.252	-10.891	-20.733	8595.406
49229_9229	49229	9229	-61.935	-25.156	0.416	-11.762	20.733	-8595.4
49229_9230	49229	9230	61.935	56.228	-0.416	11.762	-25.457	8132.837
49230_9230	49230	9230	-61.938	-75.479	1.626	11.191	25.457	-8132.49
49230_9231	49230	9231	61.938	108.392	-1.626	-11.191	-45.039	7025.493
49231_9231	49231	9231	-61.934	-108.392	1.769	-5.019	45.039	-7025.5
49231_9232	49231	9232	61.934	132.93	-1.769	5.019	-60.922	5942.342
49232_9232	49232	9232	-61.188	-133.272	2.001	-27.627	60.769	-5942.28
49232_9233	49232	9233	61.14	141.854	-2.001	27.627	-66.927	5519.062
49233_9233	49233	9233	-58.797	-161.832	-4.341	4.557	67.179	-5518.91
49233_9234	49233	9234	58.284	188.514	4.341	-4.557	-25.797	3849.317
49234_9234	49234	9234	-54.801	-189.559	-4.178	-6.061	25.494	-3849.32
49234_9235	49234	9235	54.014	210.415	4.178	6.061	5.392	2371.104
49235_9235	49235	9235	-50.771	-211.224	-3.993	-13.072	-5.863	-2371.08
49235_9236	49235	9236	49.653	232.241	3.993	13.072	30.755	988.86
49236_9236	49236	9236	-44.37	-251.662	6.075	-6.79	-30.572	-988.785

49236_9237	49236	9237	41.967	285.607	-6.075	6.79	-29.385	-1661.73
49237_9237	49237	9237	-28.801	-302.825	5.702	0.22	133.576	4313.461
49237_9238	49237	9238	25.714	336.39	-5.702	-0.22	-187.033	-7309.12
49238_9238	49238	9238	-15.898	-361.296	-4.835	-13.937	185.832	7308.278
49238_9239	49238	9239	12.162	394.592	4.835	13.937	-142.356	-10706.1
49239_9239	49239	9239	-6.69	-394.724	-4.72	5.687	144.877	10706.08
49239_9240	49239	9240	4.797	409.711	4.72	-5.687	-126.262	-12292.1
49240_9240	49240	9240	-1632.18	256.762	15.798	14.755	679.751	2701.095
49240_9241	49240	9241	1632.181	-235.718	-15.798	-14.755	-779.775	-1142.05
49241_9241	49241	9241	-1629.8	187.942	-34.128	-0.59	779.775	1141.318
49241_9242	49241	9242	1629.802	-177.437	34.128	0.59	-671.906	-563.89
49242_9242	49242	9242	-1629.87	177.437	-30.981	0.499	671.906	563.89
49242_9243	49242	9243	1629.865	-137.006	30.981	-0.499	-289.17	1378.397
49243_9243	49243	9243	-1629.94	137.006	-26.666	-3.15	289.17	-1378.39
49243_9244	49243	9244	1629.941	-107.604	26.666	3.15	-49.601	2477.172
49244_9244	49244	9244	-1629.67	83.143	-30.343	6.138	49.601	-2476.49
49244_9245	49244	9245	1629.674	-48.935	30.343	-6.138	267.551	3166.747
49245_9245	49245	9245	-1629.75	48.935	-25.814	-2.661	-267.551	-3166.75
49245_9246	49245	9246	1629.752	-18.926	25.814	2.661	504.256	3477.877
49246_9246	49246	9246	-1630.19	3.06	-9.974	6.357	-504.256	-3477.19
49246_9247	49246	9247	1630.19	31.462	9.974	-6.357	609.471	3327.386
49247_9247	49247	9247	-1630.21	-31.462	-4.537	-4.741	-609.471	-3327.39
49247_9248	49247	9248	1630.214	61.194	4.537	4.741	650.692	2906.511
49248_9248	49248	9248	-1630.27	-78.682	0.836	2.514	-650.692	-2906.13
49248_9249	49248	9249	1630.272	109.736	-0.836	-2.514	642.757	2012.216
49249_9249	49249	9249	-1630.27	-109.736	4.824	-2.408	-642.757	-2012.22
49249_9250	49249	9250	1630.265	142.903	-4.824	2.408	593.871	732.027
49250_9250	49250	9250	-1630.42	-160.053	19.933	-2.503	-593.871	-731.959
49250_9251	49250	9251	1630.419	192.378	-19.933	2.503	396.996	-1008.53
49251_9251	49251	9251	-1630.37	-192.378	23.929	-0.032	-396.996	1008.531
49251_9252	49251	9252	1630.365	224.283	-23.929	0.032	163.719	-3039.52
49252_9252	49252	9252	-1629.95	-253.27	2.423	-64.084	-163.719	3038.391
49252_9253	49252	9253	1629.949	263.61	-2.423	64.084	156.063	-3854.92
49253_9253	49253	9253	-1629.94	-263.61	5.453	-56.918	-156.063	3855.032
49253_9254	49253	9254	1629.942	295.187	-5.453	56.918	104.253	-6509.44
49254_9254	49254	9254	-4.76	360.133	-28.7	67.68	109.433	16868.63
49254_9255	49254	9255	10.007	-315.519	28.7	-67.68	232.736	-12843.3
49255_9255	49255	9255	-22.142	272.906	22.193	-16.261	-222.688	12841.93
49255_9256	49255	9256	25.698	-234.604	-22.193	16.261	-14.37	-10132.7
49256_9256	49256	9256	-31.194	233.921	22.36	19.14	11.517	10132.68
49256_9257	49256	9257	33.826	-195.713	-22.36	-19.14	-257.682	-7768.76
49257_9257	49257	9257	-38.391	168.921	-9.668	-10.25	259.265	7768.637
49257_9258	49257	9258	39.237	-152.57	9.668	10.25	-212.821	-6996.47
49258_9258	49258	9258	-41.834	151.883	-9.589	-2.199	212.211	6996.494
49258_9259	49258	9259	42.838	-123.016	9.589	2.199	-115.289	-5607.52
49259_9259	49259	9259	-45.12	122.207	-9.464	10.516	114.986	5607.516
49259_9260	49259	9260	45.432	-103.144	9.464	-10.516	-51.315	-4849.55
49260_9260	49260	9260	-123.782	126.882	0.255	24.092	-7.643	-4730.88
49260_9261	49260	9261	123.834	-117.691	-0.255	-24.092	6.837	5118.125
49261_9261	49261	9261	-124.496	116.988	0.65	8.049	-6.7	-5086.63
49261_9262	49261	9262	124.496	-84.244	-0.65	-8.049	-0.747	6239.809
49262_9262	49262	9262	-124.494	84.244	1.042	-11.629	0.747	-6239.8
49262_9263	49262	9263	124.494	-56.041	-1.042	11.629	-11.038	6932.207
49263_9263	49263	9263	-124.493	33.732	1.197	7.434	11.038	-6932.69
49263_9264	49263	9264	124.493	-0.177	-1.197	-7.434	-25.102	7131.82

49264_9264	49264	9264	-124.49	0.177	1.422	-5.447	25.102	-7131.82
49264_9265	49264	9265	124.49	32.146	-1.422	5.447	-41.194	6950.978
49265_9265	49265	9265	-124.503	-52.952	0.911	5.263	41.194	-6951.71
49265_9266	49265	9266	124.503	86.568	-0.911	-5.263	-51.918	6130.883
49266_9266	49266	9266	-124.501	-86.568	1.124	-5.182	51.918	-6130.88
49266_9267	49266	9267	124.501	118.835	-1.124	5.182	-64.607	4970.956
49267_9267	49267	9267	-124.49	-139.757	1.899	2.592	64.607	-4971.68
49267_9268	49267	9268	124.49	158.865	-1.899	-2.592	-77.307	3973.053
49268_9268	49268	9268	-124.489	-158.865	1.969	0.359	77.307	-3973.05
49268_9269	49268	9269	124.489	178.091	-1.969	-0.359	-90.556	2839.315
49269_9269	49269	9269	-122.235	-179.643	2.166	-5.835	90.49	-2870.86
49269_9270	49269	9270	121.859	209.518	-2.166	5.835	-111.366	995.87
49270_9270	49270	9270	-116.719	-232.293	-3.145	-6.084	111.287	-996.053
49270_9271	49270	9271	115.599	264.768	3.145	6.084	-78.642	-1582.85
49271_9271	49271	9271	-110.27	-267.034	-2.927	-4.609	78.671	1571.126
49271_9272	49271	9272	108.671	296.324	2.927	4.609	-54.796	-3868.73
49272_9272	49272	9272	-104.434	-297.847	-2.633	3.7	55.351	3868.722
49272_9273	49272	9273	103.135	316.679	2.633	-3.7	-41.763	-5454.45
49273_9273	49273	9273	-95.044	-340.429	7.046	-26.531	39.241	5455.443
49273_9274	49273	9274	91.116	385.21	-7.046	26.531	-123.364	-9784.99
49274_9274	49274	9274	-80.562	-387.546	7.512	6.478	126.786	9784.977
49274_9275	49274	9275	74.6	439.278	-7.512	-6.478	-225.515	-15215.2
49275_9275	49275	9275	-1740.81	90.342	-46.824	1.187	1033.149	1279.423
49275_9276	49275	9276	1740.812	-73.312	46.824	-1.187	-804.516	-879.88
49276_9276	49276	9276	-1740.86	73.312	-44.818	2.201	804.516	879.878
49276_9277	49276	9277	1740.864	-57.199	44.818	-2.201	-597.468	-578.413
49277_9277	49277	9277	-1740.94	57.199	-41.974	-0.537	597.468	731.176
49277_9278	49277	9278	1740.935	-27.3	41.974	0.537	-210.808	-341.984
49278_9278	49278	9278	-2618.6	234.428	-28.314	-11.418	297.332	7219.924
49278_9279	49278	9279	2618.596	-197.842	28.314	11.418	22.855	-4775.81
49279_9279	49279	9279	-2618.69	197.842	-17.1	9.034	-22.855	4775.818
49279_9280	49279	9280	2618.694	-160.141	17.1	-9.034	222.117	-2690.1
49280_9280	49280	9280	-2619.13	136.59	-24.557	-3.156	-222.117	2690.608
49280_9281	49280	9281	2619.132	-98.707	24.557	3.156	509.659	-1313.05
49281_9281	49281	9281	-2619.21	98.707	-14.013	2.13	-509.659	1313.057
49281_9282	49281	9282	2619.21	-60.07	14.013	-2.13	677.006	-365.003
49282_9282	49282	9282	-2619.36	35.622	-11.228	-0.455	-677.006	365.095
49282_9283	49282	9283	2619.357	0.928	11.228	0.455	816.305	-149.881
49283_9283	49283	9283	-2619.38	-0.928	1.306	0.262	-816.305	149.881
49283_9284	49283	9284	2619.381	34.029	-1.306	-0.262	801.633	-346.262
49284_9284	49284	9284	-2618.12	-68.286	53.264	-2.214	-801.633	346.341
49284_9285	49284	9285	2618.117	98.122	-53.264	2.214	262.209	-1188.98
49285_9285	49285	9285	-2617.95	-98.122	61.009	1.304	-262.209	1188.983
49285_9286	49285	9286	2617.948	125.751	-61.009	-1.304	-309.956	-2238.76
49286_9286	49286	9286	-2617.88	-160.838	-9.999	-34.755	309.956	2238.856
49286_9287	49286	9287	2617.877	172.694	9.999	34.755	-269.716	-2909.99
49287_9287	49287	9287	-2617.87	-172.694	-11.492	-35.406	269.716	2680.255
49287_9288	49287	9288	2617.871	202.976	11.492	35.406	-160.565	-4464.34
49288_9288	49288	9288	35.192	772.129	-23.313	55.501	-43.869	24258.54
49288_9289	49288	9289	-30.918	-733.05	23.313	-55.501	293.856	-16190.2
49289_9289	49289	9289	2.989	632.541	18.704	-14.451	-285.842	16194.07
49289_9290	49289	9290	0.353	-590.988	-18.704	14.451	63.216	-8914.26
49290_9290	49290	9290	-18.199	590.704	18.825	10.091	-64.756	8914.25
49290_9291	49290	9291	20.159	-551.503	-18.825	-10.091	-153.592	-2291.2
49291_9291	49291	9291	-32.975	510.924	-12.289	6.796	153.769	2291.354

49291_9292	49291	9292	33.396	-497.118	12.289	-6.796	-102.787	-200.415
49292_9292	49292	9292	-41.934	496.474	-12.162	4.359	102.897	205.206
49292_9293	49292	9293	42.245	-473.274	12.162	-4.359	-5.459	3679.514
49293_9293	49293	9293	-48.482	472.678	-12.062	-3.214	5.518	-3679.52
49293_9294	49293	9294	48.488	-449.613	12.062	3.214	90.79	7361.367
49294_9294	49294	9294	-48.323	409.603	-1.303	35.898	-90.791	-7362.49
49294_9295	49294	9295	48.323	-398.026	1.303	-35.898	96.013	8980.9
49295_9295	49295	9295	-48.327	398.026	-1.14	5.693	-96.013	-8980.97
49295_9296	49295	9296	48.327	-363.993	1.14	-5.693	107.63	12861.99
49296_9296	49296	9296	-48.33	363.993	-1.028	-24.308	-107.63	-12862
49296_9297	49296	9297	48.33	-336.388	1.028	24.308	116.121	15755.27
49297_9297	49297	9297	-38.22	332.823	1.496	28.447	-23.777	-9884.37
49297_9298	49297	9298	38.22	-294.619	-1.496	-28.447	6.583	13489.85
49298_9298	49298	9298	-38.214	294.619	1.626	-17.44	-6.583	-13489.9
49298_9299	49298	9299	38.214	-259.118	-1.626	17.44	-10.782	16446.71
49299_9299	49299	9299	-38.237	221.857	0.581	37.814	10.782	-16449.1
49299_9300	49299	9300	38.237	-185.954	-0.581	-37.814	-17.061	18651.35
49300_9300	49300	9300	-38.235	185.954	0.705	-22.437	17.061	-18651.4
49300_9301	49300	9301	38.235	-143.384	-0.705	22.437	-26.088	20760.14
49301_9301	49301	9301	-38.268	105.582	-0.807	46.195	26.088	-20762.8
49301_9302	49301	9302	38.268	-66.164	0.807	-46.195	-16.525	21781.08
49302_9302	49302	9302	-38.271	66.164	-0.657	-38.761	16.525	-21781.1
49302_9303	49302	9303	38.271	-27.086	0.657	38.761	-8.799	22329.21
49303_9303	49303	9303	-38.261	-10.293	-0.026	36.147	8.799	-22332.4
49303_9304	49303	9304	38.261	52.049	0.026	-36.147	-8.472	21940.89
49304_9304	49304	9304	-38.261	-52.049	0.102	-37.404	8.472	-21940.9
49304_9305	49304	9305	38.261	88.758	-0.102	37.404	-9.601	21163.42
49305_9305	49305	9305	-38.267	-125.251	-0.103	41.794	9.601	-21166.1
49305_9306	49305	9306	38.267	161.986	0.103	-41.794	-8.467	19579.06
49306_9306	49306	9306	-38.268	-161.986	0.053	-37.911	8.467	-19579.1
49306_9307	49306	9307	38.268	203.714	-0.053	37.911	-9.134	17283.81
49307_9307	49307	9307	-38.26	-236.957	0.51	15.157	9.134	-17286
49307_9308	49307	9308	38.26	276.486	-0.51	-15.157	-15.203	14233.32
49308_9308	49308	9308	-38.259	-276.486	0.609	-21.603	15.203	-14233.3
49308_9309	49308	9309	38.259	315.388	-0.609	21.603	-22.332	10770.08
49309_9309	49309	9309	-38.314	-345.986	-2.105	4.38	22.332	-10771.3
49309_9310	49309	9310	38.314	385.69	2.105	-4.38	2.811	6401.783
49310_9310	49310	9310	-38.32	-385.69	-1.977	-16.992	-2.811	-6401.76
49310_9311	49310	9311	38.32	424.43	1.977	16.992	25.853	1681.279
49311_9311	49311	9311	-38.134	-443.572	7.794	-13.213	-25.853	-1681.41
49311_9312	49311	9312	38.134	454.6	-7.794	13.213	0	191.678

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1	2	3	4	5	6	7	8	9	14
3000_3000	3000	3000	67.006	456.281	-0.386	2.722	0	-322.668	1
3000_3001	3000	3001	-52.239	-412.783	0.386	-2.722	5.761	6736.893	1
3001_3001	3001	3001	52.24	412.783	-0.391	-4.696	-5.761	-6736.9	1
3001_3002	3001	3002	-41.947	-382.466	0.391	4.696	9.827	10823.8	1
3002_3002	3002	3002	41.931	325.348	1.138	11.323	-9.827	-10824	1
3002_3003	3002	3003	-32.518	-289.888	-1.138	-11.323	-4.007	14522.08	1
3003_3003	3003	3003	32.516	289.888	1.13	-12.889	4.007	-14522.1	1
3003_3004	3003	3004	-23.098	-254.405	-1.13	12.889	-17.76	17790.83	1
3004_3004	3004	3004	23.105	211.885	0.414	8.077	17.76	-17791.2	1
3004_3005	3004	3005	-16.448	-176.411	-0.414	-8.077	-22.8	20123.12	1
3005_3005	3005	3005	16.448	176.411	0.41	-9.769	22.8	-20123.1	1
3005_3006	3005	3006	-9.787	-140.911	-0.41	9.769	-27.796	22024.65	1
3006_3006	3006	3006	9.777	97.735	-0.104	18.72	27.796	-22025	1
3006_3007	3006	3007	-6.317	-62.267	0.104	-18.72	-26.527	22982.81	1
3007_3007	3007	3007	6.317	62.267	-0.112	-19.802	26.527	-22982.8	1
3007_3008	3007	3008	-2.855	-26.778	0.112	19.802	-25.17	23509.45	1
3008_3008	3008	3008	2.867	-15.93	0.654	8.746	25.17	-23510.1	1
3008_3009	3008	3009	-2.757	51.413	-0.654	-8.746	-33.127	23100.69	1
3009_3009	3009	3009	2.757	-51.413	0.651	-9.474	33.127	-23100.7	1
3009_3010	3009	3010	-2.647	86.892	-0.651	9.474	-41.042	22259.62	1
3010_3010	3010	3010	2.64	-130.002	-0.223	16.105	41.042	-22260	1
3010_3011	3010	3011	-5.614	165.477	0.223	-16.105	-38.334	20477.2	1
3011_3011	3011	3011	5.613	-165.477	-0.229	-16.083	38.334	-20477.2	1
3011_3012	3011	3012	-8.586	200.946	0.229	16.083	-35.544	18263.29	1
3012_3012	3012	3012	8.584	-243.244	0.045	5.984	35.544	-18263.7	1
3012_3013	3012	3013	-14.231	278.735	-0.045	-5.984	-36.093	15114.18	1
3013_3013	3013	3013	14.231	-278.735	0.042	-5.765	36.093	-15114.2	1
3013_3014	3013	3014	-19.877	314.222	-0.042	5.765	-36.6	11533.08	1
3014_3014	3014	3014	19.879	-355.574	0.202	3.745	36.6	-11533.3	1
3014_3015	3014	3015	-27.024	403.559	-0.202	-3.745	-39.93	5321.483	1
3015_3015	3015	3015	25.558	-402.411	0.171	-3.081	39.672	-5275.06	1
3015_3016	3015	3016	-30.957	424.858	-0.171	3.083	-41.079	1881.684	1
3016_3016	3016	3016	70.566	-472.599	1.171	-1.306	47.21	-2026.7	1
3016_3017	3016	3017	-81.494	504.707	-1.171	1.289	-60.979	-3675.22	1.06
3017_3017	3017	3017	96.023	-502.389	1.165	1.356	61.183	3673.023	1.06
3017_3018	3017	3018	-106.391	541.29	-1.165	-1.385	-76.654	-10552.6	1.02
3018_3018	3018	3018	125.83	-587.647	0.289	-12.841	75.581	10552.95	1.02
3018_3019	3018	3019	-134.676	626.227	-0.289	12.891	-79.203	-18122.6	1.01
3019_3019	3019	3019	151.869	-622.831	0.282	13.505	82.166	18123.41	1.01
3019_3020	3019	3020	-159.287	663.897	-0.282	-13.449	-85.705	-26173.7	1
3020_3020	3020	3020	-2416.25	206.426	-10.527	-5.233	254.889	5458.542	1
3020_3021	3020	3021	2416.226	-179.87	10.527	5.233	-154.951	-3624.84	1
3021_3021	3021	3021	-2416.32	179.87	-5.745	1.939	153.353	3625.264	1
3021_3022	3021	3022	2416.312	-160.293	5.745	-1.939	-108.815	-2306.79	1
3022_3022	3022	3022	-2416.31	160.293	-5.745	1.939	108.815	2306.787	1
3022_3023	3022	3023	2416.3	-140.716	5.745	-1.939	-64.277	-1140.08	1
3023_3023	3023	3023	-2416.34	93.83	-9.037	-0.353	64.277	1140.125	1
3023_3024	3023	3024	2416.042	-73.623	9.037	0.353	8.038	-469.027	1
3024_3024	3024	3024	-2416.04	73.623	-9.037	-0.353	-8.038	469.027	1
3024_3025	3024	3025	2415.744	-53.415	9.037	0.353	80.353	40.365	1
3025_3025	3025	3025	-2415.75	53.415	-6.323	-0.32	-80.353	-40.365	1
3025_3026	3025	3026	2415.455	-33.235	6.323	0.32	130.881	387.686	1
3026_3026	3026	3026	-2415.44	-13.199	-5.21	-0.216	-130.881	-387.766	1

3026_3027	3026	3027	2414.671	28.354	5.21	0.216	162.144	266.099	1
3027_3027	3027	3027	-2414.68	-28.354	-1.179	-0.55	-162.144	-266.098	1
3027_3028	3027	3028	2413.909	43.506	1.179	0.55	169.221	53.529	1
3028_3028	3028	3028	-2413.91	-43.506	-1.179	-0.55	-169.221	-53.529	1
3028_3029	3028	3029	2413.142	58.658	1.179	0.55	176.298	-249.952	1
3029_3029	3029	3029	-2413.14	-58.658	2.852	-0.043	-176.298	249.953	1
3029_3030	3029	3030	2412.374	73.807	-2.852	0.043	159.189	-644.274	1
3030_3030	3030	3030	-2412.38	-120.633	1.711	-2.818	-159.189	644.231	1
3030_3031	3030	3031	2410.622	140.859	-1.711	2.818	145.483	-1684.42	1
3031_3031	3031	3031	-2410.62	-140.859	4.436	-0.883	-145.483	1684.419	1
3031_3032	3031	3032	2408.864	161.056	-4.436	0.883	110.005	-2884.84	1
3032_3032	3032	3032	-2408.86	-161.056	7.461	2.746	-110.005	2884.838	1
3032_3033	3032	3033	2407.103	181.252	-7.461	-2.746	50.34	-4246.63	1
3033_3033	3033	3033	-2407.11	-229.991	4.316	-9.756	-50.34	4246.762	1
3033_3034	3033	3034	2404.942	249.553	-4.316	9.756	16.91	-6095.49	1
3034_3034	3034	3034	-2404.92	-249.553	10.859	6.675	-16.91	6095.499	1
3034_3035	3034	3035	2402.751	269.135	-10.859	-6.675	-67.294	-8097.92	1
3035_3035	3035	3035	-2403.8	-269.147	9.557	2.095	68.145	8102.97	1
3035_3036	3035	3036	2401.257	295.727	-9.557	-2.095	-158.963	-10776.8	1.02
3036_3036	3036	3036	164.837	553.016	0.594	-12.246	-12.356	32945.58	1.02
3036_3037	3036	3037	-160.559	-511.949	-0.594	12.276	4.885	-26283.2	1.02
3037_3037	3037	3037	146.383	515.346	0.573	10.559	-7.248	26282.45	1.02
3037_3038	3037	3038	-141.661	-476.738	-0.573	-10.532	0.057	-20091.6	1.02
3038_3038	3038	3038	125.707	436.619	-0.165	-4.309	1.148	20091.97	1.02
3038_3039	3038	3039	-120.794	-397.705	0.165	4.306	1.042	-14587	1.03
3039_3039	3039	3039	655.032	393.126	-0.482	3.094	9.664	11658.74	1.03
3039_3040	3039	3040	-658.406	-361.133	0.482	-3.103	-3.999	-7328.84	1.04
3040_3040	3040	3040	650.312	312.524	0.293	0.622	4.127	7330.157	1.04
3040_3041	3040	3041	-630.549	-290.485	-0.293	-0.628	-6.548	-4961.16	1.06
3041_3041	3041	3041	716.536	293.154	0.116	-0.71	7.888	4525.882	1.06
3041_3042	3041	3042	-638.407	-254.833	-0.116	0.71	-9.744	-491.859	1
3042_3042	3042	3042	638.411	209.382	0.017	2.4	9.744	491.888	1
3042_3043	3042	3043	-583.414	-180.773	-0.017	-2.4	-9.943	1591.369	1
3043_3043	3043	3043	583.413	180.773	-0.011	-2.823	9.943	-1591.37	1
3043_3044	3043	3044	-528.42	-152.166	0.011	2.823	-9.816	3332.532	1
3044_3044	3044	3044	528.435	112.096	0.1	6.786	9.816	-3332.61	1
3044_3045	3044	3045	-475.746	-83.49	-0.1	-6.786	-11.013	4261.619	1
3045_3045	3045	3045	475.746	83.49	0.043	-6.888	11.013	-4261.62	1
3045_3046	3045	3046	-423.021	-54.865	-0.043	6.888	-11.531	4849.037	1
3046_3046	3046	3046	423.028	14.5	-0.056	0.369	11.531	-4849.13	1
3046_3047	3046	3047	-373.151	14.097	0.056	-0.369	-10.865	4622.932	1
3047_3047	3047	3047	373.151	-14.097	-0.058	-0.115	10.865	-4622.93	1
3047_3048	3047	3048	-323.232	42.718	0.058	0.115	-10.172	4054.421	1
3048_3048	3048	3048	323.24	-83.448	0.027	0.145	10.172	-4054.51	1
3048_3049	3048	3049	-275.852	112.063	-0.027	-0.145	-10.492	2666.928	1
3049_3049	3049	3049	275.852	-112.063	0.029	0.421	10.492	-2666.93	1
3049_3050	3049	3050	-228.503	140.655	-0.029	-0.421	-10.837	938.797	1
3050_3050	3050	3050	228.498	-182.767	-0.24	0.11	10.837	-938.802	1
3050_3051	3050	3051	-167.106	221.051	0.24	-0.11	-6.996	-2575.88	1.13
3051_3051	3051	3051	166.29	-219.322	-0.259	1.188	6.866	2593.138	1.13
3051_3052	3051	3052	-136.564	239.734	0.259	-1.189	-4.727	-4627.61	1.06
3052_3052	3052	3052	143.468	-284.917	0.715	-1.583	4.663	4628.443	1.06
3052_3053	3052	3053	-108.204	314.389	-0.715	1.582	-13.071	-8339.11	1.03
3053_3053	3053	3053	105.234	-311.65	0.578	4.134	17.969	8403.563	1.03
3053_3054	3053	3054	-86.438	349.382	-0.578	-4.13	-25.641	-12928.3	1.03
3054_3054	3054	3054	100.529	-391.827	0.709	-14.261	24.157	12930.52	1.03

3054_3055	3054	3055	-95.482	429.064	-0.709	14.29	-33.048	-18178.7	1.01
3055_3055	3055	3055	107.497	-425.014	0.656	16.338	36.361	18181.81	1.01
3055_3056	3055	3056	-111.196	464.425	-0.656	-16.306	-44.613	-23846.3	1
3056_3056	3056	3056	-1972.49	269.472	-7.748	-3.896	145.184	7545.481	1
3056_3057	3056	3057	1981.697	-243.717	7.748	3.896	-71.564	-5149.32	1
3057_3057	3057	3057	-1983.3	243.716	-4.975	3.501	72.134	5119.251	1
3057_3058	3057	3058	1990.858	-223.177	4.975	-3.501	-33.59	-3345.03	1
3058_3058	3058	3058	-1990.86	223.177	-4.975	3.501	33.59	3345.034	1
3058_3059	3058	3059	1998.419	-202.639	4.975	-3.501	4.954	-1729.94	1
3059_3059	3059	3059	-1998.44	156.846	-7.918	-0.578	-4.954	1729.966	1
3059_3060	3059	3060	2005.8	-135.618	7.918	0.578	68.356	-592.681	1
3060_3060	3060	3060	-2005.81	135.618	-5.391	0.996	-68.356	592.679	1
3060_3061	3060	3061	2013.156	-114.418	5.391	-0.996	111.469	373.45	1
3061_3061	3061	3061	-2013.16	114.418	-5.391	0.996	-111.469	-373.45	1
3061_3062	3061	3062	2020.504	-93.218	5.391	-0.996	154.581	1170.044	1
3062_3062	3062	3062	-2020.49	48.848	-0.031	0.636	-154.581	-1170.1	1
3062_3063	3062	3063	2025.501	-32.936	0.031	-0.636	154.765	1392.318	1
3063_3063	3063	3063	-2025.5	32.936	-0.031	0.636	-154.765	-1392.32	1
3063_3064	3063	3064	2030.508	-17.025	0.031	-0.636	154.948	1519.031	1
3064_3064	3064	3064	-2030.51	17.025	-0.031	0.636	-154.948	-1519.03	1
3064_3065	3064	3065	2035.516	-1.113	0.031	-0.636	155.132	1550.243	1
3065_3065	3065	3065	-2035.51	1.113	3.353	-0.062	-155.132	-1550.24	1
3065_3066	3065	3066	2040.511	14.77	-3.353	0.062	135.043	1486.153	1
3066_3066	3066	3066	-2040.51	-59.3	4.815	-0.474	-135.043	-1486.25	1
3066_3067	3066	3067	2046.47	80.521	-4.815	0.474	96.501	898.522	1
3067_3067	3067	3067	-2046.47	-80.521	4.815	-0.474	-96.501	-898.522	1
3067_3068	3067	3068	2052.433	101.742	-4.815	0.474	57.96	140.919	1
3068_3068	3068	3068	-2052.42	-101.742	10.065	2.359	-57.96	-140.922	1
3068_3069	3068	3069	2058.369	122.934	-10.065	-2.359	-22.497	-785.144	1
3069_3069	3069	3069	-2058.39	-167.425	4.913	-5.571	22.497	785.155	1
3069_3070	3069	3070	2064.121	187.98	-4.913	5.571	-60.593	-2190.22	1
3070_3070	3070	3070	-2064.11	-187.98	7.543	-1.146	60.593	2190.22	1
3070_3071	3070	3071	2069.831	208.507	-7.543	1.146	-119.001	-3752.42	1
3071_3071	3071	3071	-2066.71	-208.505	10.452	6.011	121.245	3776.688	1
3071_3072	3071	3072	2073.559	234.269	-10.452	-6.011	-220.593	-5913.72	1
3072_3072	3072	3072	66.942	502.941	-0.241	-6.731	34.689	21841.5	1
3072_3073	3072	3073	-34.201	-463.924	0.241	6.771	-31.662	-15840.8	1
3073_3073	3073	3073	21.308	467.971	-0.265	7.618	30.059	15838.8	1
3073_3074	3073	3074	12.737	-431.216	0.265	-7.582	-26.738	-10269.5	1
3074_3074	3074	3074	-27.413	393.256	-0.508	0.417	27.347	10268.67	1
3074_3075	3074	3075	56.7	-355.958	0.508	-0.413	-20.598	-5337.63	1
3075_3075	3075	3075	441.852	352.469	-0.923	-0.031	14.947	2603.812	1
3075_3076	3075	3076	-441.778	-324.002	0.923	0.025	-4.089	1315.085	1
3076_3076	3076	3076	434.436	279.651	0.644	6.968	4.005	-1314.33	1
3076_3077	3076	3077	-423.637	-259.999	-0.644	-6.969	-9.31	3476.009	1
3077_3077	3077	3077	390.807	262.619	0.605	-6.609	10.489	-3443.08	1
3077_3078	3077	3078	-360.183	-225.832	-0.605	6.609	-19.288	6852.653	1
3078_3078	3078	3078	360.181	186.71	-0.149	-0.153	19.288	-6852.81	1
3078_3079	3078	3079	-337.716	-158.306	0.149	0.153	-17.617	8685.002	1
3079_3079	3079	3079	337.716	158.306	-0.149	-0.153	17.617	-8685	1
3079_3080	3079	3080	-315.251	-129.902	0.149	0.153	-15.946	10198.14	1
3080_3080	3080	3080	315.251	94.202	-0.171	5.457	15.946	-10198.3	1
3080_3081	3080	3081	-294.95	-65.775	0.171	-5.457	-14.023	11001.08	1
3081_3081	3081	3081	294.95	65.775	-0.195	-5.542	14.023	-11001.1	1
3081_3082	3081	3082	-274.667	-37.375	0.195	5.542	-11.833	11483.98	1
3082_3082	3082	3082	274.669	-1.032	0.01	5.582	11.833	-11484.2	1

3082_3083	3082	3083	-255.402	31.556	-0.01	-5.582	-11.957	11194.68	1
3083_3083	3083	3083	255.402	-31.556	-0.014	-5.357	11.957	-11194.7	1
3083_3084	3083	3084	-236.119	62.104	0.014	5.357	-11.787	10536.05	1
3084_3084	3084	3084	236.122	-100.552	-0.011	5.016	11.787	-10536.2	1
3084_3085	3084	3085	-220.564	128.948	0.011	-5.016	-11.66	9171.344	1
3085_3085	3085	3085	220.564	-128.948	-0.037	-4.418	11.66	-9171.34	1
3085_3086	3085	3086	-204.992	157.367	0.037	4.418	-11.239	7486.012	1
3086_3086	3086	3086	204.995	-194.328	-0.16	2.82	11.239	-7486.18	1
3086_3087	3086	3087	-191.68	222.746	0.16	-2.82	-9.446	5075.822	1
3087_3087	3087	3087	191.679	-222.746	-0.184	-2.029	9.446	-5075.82	1
3087_3088	3087	3088	-178.376	251.138	0.184	2.029	-7.384	2348.751	1
3088_3088	3088	3088	178.376	-288.606	-0.186	-0.297	7.384	-2348.78	1
3088_3089	3088	3089	-163.646	323.98	0.186	0.297	-4.787	-2011.53	1
3089_3089	3089	3089	166.752	-322.23	-0.203	1.252	4.836	2062.353	1
3089_3090	3089	3090	-157.964	343.058	0.203	-1.253	-3.159	-4851.95	1.03
3090_3090	3090	3090	166.781	-383.601	0.018	-4.511	2.999	4852.576	1.03
3090_3091	3090	3091	-157.334	413.569	-0.018	4.502	-3.207	-9592.68	1.02
3091_3091	3091	3091	157.465	-409.726	-0.182	4.372	5.68	9655.789	1.02
3091_3092	3091	3092	-153.057	446.77	0.182	-4.381	-3.271	-15381.9	1.01
3092_3092	3092	3092	169.689	-488.419	0.893	-8.169	2.282	15383.76	1.01
3092_3093	3092	3093	-170.475	525.075	-0.893	8.192	-13.488	-21771.7	1.01
3093_3093	3093	3093	185.032	-519.975	0.87	8.896	15.302	21774.45	1.01
3093_3094	3093	3094	-188.878	558.84	-0.87	-8.87	-26.244	-28577.9	1.01
3094_3094	3094	3094	-2231.75	239.159	-4.124	-7.756	10.98	8109.404	1.01
3094_3095	3094	3095	2236.455	-213.844	4.124	7.756	28.218	-5977.5	1
3095_3095	3095	3095	-2238.32	213.855	0.828	5.537	-28.209	5986.571	1
3095_3096	3095	3096	2241.975	-193.822	-0.828	-5.537	21.798	-4424.42	1
3096_3096	3096	3096	-2241.98	193.822	0.915	5.713	-21.798	4424.418	1
3096_3097	3096	3097	2245.632	-173.764	-0.915	-5.713	14.704	-3015.66	1
3097_3097	3097	3097	-2245.65	129.877	-2.826	-2.169	-14.704	3015.715	1
3097_3098	3097	3098	2249.094	-109.172	2.826	2.169	37.318	-2074.54	1
3098_3098	3098	3098	-2249.1	109.172	0.057	0.944	-37.318	2074.54	1
3098_3099	3098	3099	2252.533	-88.494	-0.057	-0.944	36.863	-1299.96	1
3099_3099	3099	3099	-2252.53	88.494	0.135	1.004	-36.863	1299.955	1
3099_3100	3099	3100	2255.976	-67.79	-0.135	-1.004	35.784	-689.986	1
3100_3100	3100	3100	-2255.93	24.788	8.748	4.594	-35.784	689.96	1
3100_3101	3100	3101	2258.04	-9.261	-8.748	-4.594	-16.72	-597.427	1
3101_3101	3101	3101	-2258.04	9.261	8.748	4.594	16.72	597.427	1
3101_3102	3101	3102	2260.15	6.267	-8.748	-4.594	-69.224	-598.088	1
3102_3102	3102	3102	-2260.14	-6.267	-11.117	-5.845	69.224	598.086	1
3102_3103	3102	3103	2262.248	21.772	11.117	5.845	-2.594	-691.742	1
3103_3103	3103	3103	-2262.26	-21.772	-7.04	-3.484	2.594	691.748	1
3103_3104	3103	3104	2264.374	37.303	7.04	3.484	39.666	-878.709	1
3104_3104	3104	3104	-2264.37	-80.373	-1.494	-1.952	-39.666	878.712	1
3104_3105	3104	3105	2266.527	101.08	1.494	1.952	51.622	-1615.1	1
3105_3105	3105	3105	-2266.53	-101.08	1.377	0.916	-51.622	1615.102	1
3105_3106	3105	3106	2268.682	121.76	-1.377	-0.916	40.615	-2515.96	1
3106_3106	3106	3106	-2268.68	-121.76	1.466	1.04	-40.615	2515.962	1
3106_3107	3106	3107	2270.839	142.466	-1.466	-1.04	28.882	-3583.57	1
3107_3107	3107	3107	-2270.84	-185.812	0.855	-3.353	-28.882	3583.624	1
3107_3108	3107	3108	2272.705	205.87	-0.855	3.353	22.252	-5111.07	1
3108_3108	3108	3108	-2272.71	-205.87	0.768	-3.572	-22.252	5111.073	1
3108_3109	3108	3109	2274.566	225.903	-0.768	3.572	16.302	-6791.77	1
3109_3109	3109	3109	-2274.99	-225.905	3.219	4.588	-17.211	6793.87	1
3109_3110	3109	3110	2277.374	251.218	-3.219	-4.588	-13.381	-9072.63	1.01
3110_3110	3110	3110	175.442	541.888	-0.716	-20.513	30.002	29761.61	1.01

3110_3111	3110	3111	-158.747	-503.189	0.716	20.555	-21.002	-23237.6	1.01
3111_3111	3111	3111	144.733	508.47	-0.781	19.436	16.794	23235.56	1.01
3111_3112	3111	3112	-126.562	-472.016	0.781	-19.4	-6.989	-17130.8	1.02
3112_3112	3112	3112	110.813	435.815	-0.018	-3.338	8.907	17130.02	1.02
3112_3113	3112	3113	-93.752	-398.936	0.018	3.323	-8.663	-11625.5	1.03
3113_3113	3113	3113	530.161	397.777	-0.35	3.416	16.913	9220.531	1.03
3113_3114	3113	3114	-530.087	-368.002	0.35	-3.429	-12.801	-4797.94	1.05
3114_3114	3114	3114	521.78	324.956	-0.139	-0.142	12.894	4798.825	1.05
3114_3115	3114	3115	-506.709	-304.363	0.139	0.139	-11.748	-2285.82	1.1
3115_3115	3115	3115	562.823	307.043	-0.162	-0.25	11.735	1833.854	1.1
3115_3116	3115	3116	-511.733	-272.896	0.162	0.25	-9.389	2134.507	1
3116_3116	3116	3116	511.729	233.877	-0.045	6.973	9.389	-2134.5	1
3116_3117	3116	3117	-474.398	-207.409	0.045	-6.973	-8.879	4441.241	1
3117_3117	3117	3117	474.398	207.409	-0.114	-7.309	8.879	-4441.24	1
3117_3118	3117	3118	-437.101	-180.965	0.114	7.309	-7.602	6448.71	1
3118_3118	3118	3118	437.106	146.147	-0.011	9.455	7.602	-6448.75	1
3118_3119	3118	3119	-401.887	-119.703	0.011	-9.455	-7.484	7776.757	1
3119_3119	3119	3119	401.887	119.703	-0.079	-9.544	7.484	-7776.76	1
3119_3120	3119	3120	-366.669	-93.26	0.079	9.544	-6.592	8807.734	1
3120_3120	3120	3120	366.663	55.92	-0.179	4.741	6.592	-8807.7	1
3120_3121	3120	3121	-331.756	-27.499	0.179	-4.741	-4.433	9146.411	1
3121_3121	3121	3121	331.756	27.499	-0.211	-4.597	4.433	-9146.41	1
3121_3122	3121	3122	-296.848	0.921	0.211	4.597	-1.888	9142.056	1
3122_3122	3122	3122	296.848	-38.753	-0.101	4.598	1.888	-9142.05	1
3122_3123	3122	3123	-267.212	65.195	0.101	-4.598	-0.751	8417.126	1
3123_3123	3123	3123	267.212	-65.195	-0.136	-4.226	0.751	-8417.13	1
3123_3124	3123	3124	-237.549	91.661	0.136	4.226	0.777	7394.205	1
3124_3124	3124	3124	237.55	-128.778	-0.216	5.932	-0.777	-7394.21	1
3124_3125	3124	3125	-210.895	155.22	0.216	-5.932	3.202	5671.049	1
3125_3125	3125	3125	210.895	-155.22	-0.285	-5.432	-3.202	-5671.05	1
3125_3126	3125	3126	-184.241	181.661	0.285	5.432	6.401	3650.973	1
3126_3126	3126	3126	184.234	-219.886	-0.062	0.292	-6.401	-3650.98	1
3126_3127	3126	3127	-154.007	252.401	0.062	-0.292	7.256	242.364	1.06
3127_3127	3127	3127	157.743	-250.525	-0.103	0.134	-7.221	-201.603	1.06
3127_3128	3127	3128	-139.275	269.462	0.103	-0.134	8.073	-2031.84	1.06
3128_3128	3128	3128	146.705	-313.695	-0.352	-4.853	-8.239	2032.491	1.06
3128_3129	3128	3129	-128.503	341.003	0.352	4.843	12.375	-5987.58	1.06
3129_3129	3129	3129	132.306	-336.275	0.178	9.469	-11.415	6020.6	1.06
3129_3130	3129	3130	-127.156	372.082	-0.178	-9.513	9.053	-10796.5	1.03
3130_3130	3130	3130	141.753	-413.158	-0.038	-5.525	-10.152	10798.68	1.03
3130_3131	3130	3131	-145.33	448.563	0.038	5.664	10.645	-16254	1.03
3131_3131	3131	3131	161.415	-441.255	-0.067	6.943	-9.294	16258.3	1.03
3131_3132	3131	3132	-170.253	476.389	0.067	-6.789	10.098	-21690.6	1.03
3132_3132	3132	3132	-1959.23	218.416	25.274	14.915	-307.759	5686.215	1.03
3132_3133	3132	3133	1962.042	-191.885	-25.274	-14.915	47.438	-3586.82	1
3133_3133	3133	3133	-1969.73	191.883	22.625	9.779	-47.974	3624.24	1
3133_3134	3133	3134	1972.187	-173.632	-22.625	-9.779	-127.368	-2219.79	1
3134_3134	3134	3134	-1972.24	173.632	-2.09	-23.072	127.368	2219.708	1
3134_3135	3134	3135	1974.705	-155.309	2.09	23.072	-111.108	-951.985	1
3135_3135	3135	3135	-1974.9	114.775	-2.508	-0.177	111.108	952.404	1
3135_3136	3135	3136	1978.124	-95.933	2.508	0.177	-91.045	-124.434	1
3136_3136	3136	3136	-1978.12	95.933	-2.508	-0.177	91.045	124.434	1
3136_3137	3136	3137	1981.347	-77.091	2.508	0.177	-70.983	552.782	1
3137_3137	3137	3137	-1981.35	77.091	0.124	0.091	70.983	-552.782	1
3137_3138	3137	3138	1984.566	-58.273	-0.124	-0.091	-71.971	1078.671	1
3138_3138	3138	3138	-1984.54	17.509	-3.172	0.114	71.971	-1078.76	1

3138_3139	3138	3139	1986.371	-3.377	3.172	-0.114	-52.935	1132.479	1
3139_3139	3139	3139	-1986.37	3.377	-3.172	0.114	52.935	-1132.48	1
3139_3140	3139	3140	1988.202	10.754	3.172	-0.114	-33.898	1101.402	1
3140_3140	3140	3140	-1988.2	-10.754	0.389	-0.233	33.898	-1101.4	1
3140_3141	3140	3141	1990.035	24.885	-0.389	0.233	-36.235	985.529	1
3141_3141	3141	3141	-1990.03	-24.885	-3.172	-0.139	36.235	-985.529	1
3141_3142	3141	3142	1991.864	39.017	3.172	0.139	-17.198	784.853	1
3142_3142	3142	3142	-1991.87	-80.982	-2.277	-0.033	17.198	-784.923	1
3142_3143	3142	3143	1993.458	99.824	2.277	0.033	1.019	53.034	1
3143_3143	3143	3143	-1993.46	-99.824	0.395	1.16	-1.019	-53.034	1
3143_3144	3143	3144	1995.051	118.665	-0.395	-1.16	-2.138	-829.591	1
3144_3144	3144	3144	-1995.05	-118.665	-2.277	-1.19	2.138	829.591	1
3144_3145	3144	3145	1996.641	137.507	2.277	1.19	16.079	-1862.99	1
3145_3145	3145	3145	-1996.65	-181.504	-2.282	1.799	-16.079	1862.999	1
3145_3146	3145	3146	1998.005	199.757	2.282	-1.799	33.765	-3348.25	1
3146_3146	3146	3146	-1998	-199.757	-5.039	-3.986	-33.765	3348.248	1
3146_3147	3146	3147	1999.357	218.01	5.039	3.986	72.825	-4975.01	1
3147_3147	3147	3147	-1986.76	-218.014	-2.925	2.134	-72.66	4913.547	1
3147_3148	3147	3148	1988.095	242.487	2.925	-2.134	100.452	-7109.01	1
3148_3148	3148	3148	170.676	463.116	-0.143	-0.42	-3.837	23801.79	1
3148_3149	3148	3149	-148.754	-425.681	0.143	0.442	5.633	-18254.1	1
3149_3149	3149	3149	136.821	431.878	-0.144	-0.026	-5.669	18251.65	1
3149_3150	3149	3150	-114.196	-396.671	0.144	0.046	7.471	-13091.5	1
3150_3150	3150	3150	100.363	359.553	-0.925	-0.212	-7.449	13090.01	1
3150_3151	3150	3151	-81.549	-323.938	0.925	0.195	19.729	-8572.39	1
3151_3151	3151	3151	609.202	321.839	-0.21	-0.274	-6.993	5687.124	1
3151_3152	3151	3152	-604.513	-293.694	0.21	0.279	9.459	-2169.17	1
3152_3152	3152	3152	597.763	248.589	0.281	-0.868	-9.454	2169.873	1
3152_3153	3152	3153	-578.353	-229.166	-0.281	0.864	7.137	-301.486	1
3153_3153	3153	3153	610.073	232.595	0.266	0.147	-6.868	134.446	1
3153_3154	3153	3154	-555.229	-201.24	-0.266	-0.147	3.211	2609.343	1
3154_3154	3154	3154	555.246	159.358	0.105	3.219	-3.211	-2609.34	1
3154_3155	3154	3155	-514.576	-134.256	-0.105	-3.219	2.053	4048.175	1
3155_3155	3155	3155	514.576	134.256	0.056	-3.376	-2.053	-4048.18	1
3155_3156	3155	3156	-473.907	-109.154	-0.056	3.376	1.432	5210.836	1
3156_3156	3156	3156	473.901	73.442	0.17	0.016	-1.432	-5210.85	1
3156_3157	3156	3157	-438.721	-50.599	-0.17	-0.016	-0.27	5678.503	1
3157_3157	3157	3157	438.721	50.599	0.17	0.016	0.27	-5678.5	1
3157_3158	3157	3158	-403.54	-27.757	-0.17	-0.016	-1.972	5917.474	1
3158_3158	3158	3158	403.54	-5.519	0.007	0.17	1.972	-5917.46	1
3158_3159	3158	3159	-370.693	28.361	-0.007	-0.17	-2.045	5603.929	1
3159_3159	3159	3159	370.693	-28.361	0.006	0.052	2.045	-5603.93	1
3159_3160	3159	3160	-337.813	51.227	-0.006	-0.052	-2.109	5061.058	1
3160_3160	3160	3160	337.819	-88.391	0.027	2.443	2.109	-5061.07	1
3160_3161	3160	3161	-304.521	113.47	-0.027	-2.443	-2.403	3804.803	1
3161_3161	3161	3161	304.521	-113.47	-0.023	-2.099	2.403	-3804.8	1
3161_3162	3161	3162	-271.193	138.571	0.023	2.099	-2.15	2271.382	1
3162_3162	3162	3162	271.189	-178.634	0.126	0.302	2.15	-2271.36	1
3162_3163	3162	3163	-231.794	210.011	-0.126	-0.302	-3.889	-576.019	1.01
3163_3163	3163	3163	235.811	-207.35	0.18	-0.034	3.843	568.84	1.01
3163_3164	3163	3164	-213.003	226.793	-0.18	0.034	-5.327	-2461.88	1.01
3164_3164	3164	3164	219.593	-271.711	-0.095	1.71	5.386	2462.391	1.01
3164_3165	3164	3165	-193.935	299.795	0.095	-1.722	-4.266	-5956.82	1.01
3165_3165	3165	3165	185.323	-293.553	-0.34	-2.023	3.088	6050.644	1.01
3165_3166	3165	3166	-170.335	329.815	0.34	2.012	1.421	-10318.3	1.01
3166_3166	3166	3166	184.359	-375.793	0.315	-0.011	-1.302	10320.56	1.01

3166_3167	3166	3167	-182.175	411.579	-0.315	0.031	-2.648	-15360.5	1.01
3167_3167	3167	3167	193.678	-404.331	0.315	-0.093	2.647	15363.93	1.01
3167_3168	3167	3168	-199.237	442.288	-0.315	0.115	-6.607	-20775.7	1
3168_3168	3168	3168	-1844.86	245.214	-2.267	-3.869	17.519	5980.819	1
3168_3169	3168	3169	1851.585	-220.405	2.267	3.869	4.022	-3797.81	1
3169_3169	3169	3169	-1858.04	220.39	0.593	2.058	-4.618	3829.274	1
3169_3170	3169	3170	1863.926	-201.633	-0.593	-2.058	0.02	-2219.24	1
3170_3170	3170	3170	-1863.93	201.633	0.593	2.058	-0.02	2219.243	1
3170_3171	3170	3171	1869.817	-182.877	-0.593	-2.058	-4.578	-754.591	1
3171_3171	3171	3171	-1869.88	135.68	-0.382	-0.036	4.578	754.677	1
3171_3172	3171	3172	1875.703	-116.342	0.382	0.036	-1.529	226.965	1
3172_3172	3172	3172	-1875.7	116.342	-0.34	-0.027	1.529	-226.965	1
3172_3173	3172	3173	1881.537	-96.981	0.34	0.027	1.188	1055.018	1
3173_3173	3173	3173	-1881.54	96.981	-0.34	-0.027	-1.188	-1055.02	1
3173_3174	3173	3174	1887.372	-77.619	0.34	0.027	3.906	1728.158	1
3174_3174	3174	3174	-1887.37	33.275	1.858	-0.833	-3.906	-1728.23	1
3174_3175	3174	3175	1891.225	-18.754	-1.858	0.833	-7.241	1867.337	1
3175_3175	3175	3175	-1891.23	18.754	-1.579	0.909	7.241	-1867.34	1
3175_3176	3175	3176	1895.085	-4.232	1.579	-0.909	2.234	1919.304	1
3176_3176	3176	3176	-1895.09	4.232	1.858	-0.849	-2.234	-1919.31	1
3176_3177	3176	3177	1898.944	10.289	-1.858	0.849	-8.913	1884.134	1
3177_3177	3177	3177	-1898.94	-10.289	-1.579	0.78	8.913	-1884.13	1
3177_3178	3177	3178	1902.804	24.81	1.579	-0.78	0.562	1761.824	1
3178_3178	3178	3178	-1902.8	-69.616	-0.414	-0.293	-0.562	-1761.84	1
3178_3179	3178	3179	1907.163	88.978	0.414	0.293	3.878	1107.817	1
3179_3179	3179	3179	-1907.16	-88.978	-0.414	-0.293	-3.878	-1107.82	1
3179_3180	3179	3180	1911.524	108.339	0.414	0.293	7.195	298.878	1
3180_3180	3180	3180	-1911.52	-108.339	2.163	0.651	-7.195	-298.878	1
3180_3181	3180	3181	1915.884	127.701	-2.163	-0.651	-10.111	-664.954	1
3181_3181	3181	3181	-1915.94	-174.505	-2.209	-2.563	10.111	665.063	1
3181_3182	3181	3182	1920.179	193.238	2.209	2.563	6.986	-2107.6	1
3182_3182	3182	3182	-1920.18	-193.238	0.497	1.722	-6.986	2107.595	1
3182_3183	3182	3183	1924.426	211.994	-0.497	-1.722	3.138	-3697.25	1
3183_3183	3183	3183	-1912.02	-211.99	-0.089	0.303	-2.558	3636.707	1
3183_3184	3183	3184	1916.915	236.798	0.089	-0.303	3.406	-5790.74	1.02
3184_3184	3184	3184	160.369	453.06	-0.314	-0.109	1.174	20479.28	1.02
3184_3185	3184	3185	-132.399	-415.398	0.314	0.139	2.772	-15038	1.03
3185_3185	3185	3185	120.719	422.652	-0.314	-0.079	-2.776	15035.27	1.03
3185_3186	3185	3186	-93.18	-387.219	0.314	0.106	6.71	-9974.94	1.04
3186_3186	3186	3186	79.283	346.954	-0.131	-0.516	-6.675	9973.41	1.04
3186_3187	3186	3187	-58.213	-311.017	0.131	0.507	8.413	-5604.15	1.08
3187_3187	3187	3187	560.103	310.484	-0.182	-0.149	-0.079	2858.463	1.08
3187_3188	3187	3188	-558.472	-281.125	0.182	0.144	2.219	547.984	1.08
3188_3188	3188	3188	551.933	232.706	0.134	-1.278	-2.208	-547.017	1.08
3188_3189	3188	3189	-537.42	-212.403	-0.134	1.277	1.102	2303.506	1
3189_3189	3189	3189	555.555	216.092	0.141	0.368	-1.024	-2300.49	1
3189_3190	3189	3190	-513.208	-181.856	-0.141	-0.368	-0.91	4853.999	1
3190_3190	3190	3190	513.216	138.654	0.048	-0.237	0.91	-4854.03	1
3190_3191	3190	3191	-481.239	-111.246	-0.048	0.237	-1.437	6091.447	1
3191_3191	3191	3191	481.239	111.246	0.048	-0.237	1.437	-6091.45	1
3191_3192	3191	3192	-449.262	-83.837	-0.048	0.237	-1.965	7027.332	1
3192_3192	3192	3192	449.257	44.676	0.134	-0.1	1.965	-7027.29	1
3192_3193	3192	3193	-422.182	-19.585	-0.134	0.1	-3.318	7233.713	1
3193_3193	3193	3193	422.182	19.585	0.134	-0.1	3.318	-7233.71	1
3193_3194	3193	3194	-395.107	5.506	-0.134	0.1	-4.672	7187.441	1
3194_3194	3194	3194	395.127	-41.468	-0.172	0.062	4.672	-7187.47	1

3194_3195	3194	3195	-370.212	66.559	0.172	-0.062	-2.937	6534.581	1
3195_3195	3195	3195	370.212	-66.559	-0.172	0.062	2.937	-6534.58	1
3195_3196	3195	3196	-345.297	91.65	0.172	-0.062	-1.201	5628.998	1
3196_3196	3196	3196	345.272	-130.493	0.043	-2.13	1.201	-5628.97	1
3196_3197	3196	3197	-320.255	157.876	-0.043	2.13	-1.675	3933.673	1
3197_3197	3197	3197	320.255	-157.876	0.085	2.488	1.675	-3933.67	1
3197_3198	3197	3198	-295.216	185.285	-0.085	-2.488	-2.611	1935.415	1
3198_3198	3198	3198	295.227	-226.893	0.015	0.202	2.611	-1935.45	1
3198_3199	3198	3199	-265.596	261.153	-0.015	-0.202	-2.819	-1552.68	1.03
3199_3199	3199	3199	268.302	-258.126	0.003	0.425	2.726	1478.743	1.03
3199_3200	3199	3200	-249.846	279.335	-0.003	-0.425	-2.75	-3786.35	1.03
3200_3200	3200	3200	257.694	-324.172	0.601	-0.586	2.727	3787.263	1.03
3200_3201	3200	3201	-236.144	354.748	-0.601	0.577	-9.787	-7896.51	1.03
3201_3201	3201	3201	236.355	-347.307	0.313	1.597	11.703	7956.873	1.03
3201_3202	3201	3202	-226.701	387.934	-0.313	-1.608	-15.862	-12935	1.02
3202_3202	3202	3202	242.317	-431.701	0.648	0.53	15.844	12938.06	1.02
3202_3203	3202	3203	-241.398	471.636	-0.648	-0.496	-23.976	-18685.1	1.01
3203_3203	3203	3203	254.535	-463.392	0.648	-0.143	23.98	18689.6	1.01
3203_3204	3203	3204	-259.339	505.503	-0.648	0.182	-32.134	-24856.7	1.01
3204_3204	3204	3204	-2034.8	271.661	1.328	2.257	13.136	7604.971	1.01
3204_3205	3204	3205	2040.431	-243.794	-1.328	-2.257	-25.753	-5181.75	1
3205_3205	3205	3205	-2041.82	243.785	-0.942	-3.297	26.554	4938.386	1
3205_3206	3205	3206	2046.773	-222.533	0.942	3.297	-19.25	-3153.03	1
3206_3206	3206	3206	-2046.77	222.533	2.039	1.494	19.25	3153.029	1
3206_3207	3206	3207	2051.723	-201.281	-2.039	-1.494	-35.054	-1532.43	1
3207_3207	3207	3207	-2051.65	150.368	-4.921	-0.086	35.054	1532.499	1
3207_3208	3207	3208	2056.49	-128.43	4.921	0.086	4.315	-438.677	1
3208_3208	3208	3208	-2056.49	128.43	-4.967	-0.109	-4.315	438.677	1
3208_3209	3208	3209	2061.328	-106.52	4.967	0.109	44.011	478.583	1
3209_3209	3209	3209	-2061.33	106.52	-2.033	0.261	-44.011	-478.585	1
3209_3210	3209	3210	2066.176	-84.582	2.033	-0.261	60.273	1221.565	1
3210_3210	3210	3210	-2066.23	34.372	-2.668	0.326	-60.273	-1221.7	1
3210_3211	3210	3211	2069.381	-17.918	2.668	-0.326	76.283	1364.361	1
3211_3211	3211	3211	-2069.38	17.918	-2.668	0.326	-76.283	-1364.36	1
3211_3212	3211	3212	2072.534	-1.465	2.668	-0.326	92.292	1408.289	1
3212_3212	3212	3212	-2072.54	1.465	1.183	-0.455	-92.292	-1408.29	1
3212_3213	3212	3213	2075.688	14.988	-1.183	0.455	85.195	1353.486	1
3213_3213	3213	3213	-2075.69	-14.988	-2.668	0.152	-85.195	-1353.49	1
3213_3214	3213	3214	2078.84	31.441	2.668	-0.152	101.205	1199.947	1
3214_3214	3214	3214	-2078.94	-81.848	5.475	0.672	-101.205	-1199.94	1
3214_3215	3214	3215	2082.533	103.786	-5.475	-0.672	57.396	440.791	1
3215_3215	3215	3215	-2082.54	-103.786	2.587	-0.154	-57.396	-440.79	1
3215_3216	3215	3216	2086.127	125.723	-2.587	0.154	36.695	-493.898	1
3216_3216	3216	3216	-2086.13	-125.723	2.587	-0.154	-36.695	493.898	1
3216_3217	3216	3217	2089.715	147.661	-2.587	0.154	15.994	-1604.11	1
3217_3217	3217	3217	-2089.71	-197.724	2.567	-5.123	-15.994	1604.031	1
3217_3218	3217	3218	2093.101	218.976	-2.567	5.123	-3.9	-3234.69	1
3218_3218	3218	3218	-2093.11	-218.976	-0.415	-10.958	3.9	3234.678	1
3218_3219	3218	3219	2096.496	240.228	0.415	10.958	-0.687	-5030.09	1
3219_3219	3219	3219	-2088.59	-240.227	9.13	16.463	0.815	5248.012	1
3219_3220	3219	3220	2092.53	268.063	-9.13	-16.463	-87.466	-7678.78	1
3220_3220	3220	3220	225.554	520.083	-1.418	-35.088	38.911	24887.51	1
3220_3221	3220	3221	-201.481	-478.305	1.418	35.12	-21.067	-18631.9	1
3221_3221	3221	3221	188.038	486.516	-1.562	33.925	13.723	18628.47	1
3221_3222	3221	3222	-163.29	-446.972	1.562	-33.897	5.875	-12801.9	1.01
3222_3222	3222	3222	147.599	407.895	3.449	-2.227	-2.643	12799.26	1.01

3222_3223	3222	3223	-125.874	-367.629	-3.449	2.203	-43.143	-7671.33	1.01
3223_3223	3223	3223	634.435	367.403	0.292	1.764	5.417	4821.661	1.01
3223_3224	3223	3224	-625.978	-335.281	-0.292	-1.82	-8.852	-799.951	1.04
3224_3224	3224	3224	618.13	283.546	0.037	14.084	8.719	800.934	1.04
3224_3225	3224	3225	-597.144	-261.305	-0.037	-14.073	-9.025	1336.016	1
3225_3225	3225	3225	571.185	265.699	-0.129	-10.625	9.549	-1141.16	1
3225_3226	3225	3226	-514.166	-221.15	0.129	10.625	-7.493	4771.949	1
3226_3226	3226	3226	514.09	172.643	0.685	19.441	7.493	-4771.61	1
3226_3227	3226	3227	-472.035	-138.803	-0.685	-19.441	-15.788	6473.051	1
3227_3227	3227	3227	472.038	138.803	0.553	-19.073	15.788	-6473.06	1
3227_3228	3227	3228	-430.015	-104.989	-0.553	19.073	-22.473	7764.168	1
3228_3228	3228	3228	429.82	58.678	0.41	20.999	22.473	-7762.07	1
3228_3229	3228	3229	-391.188	-22.744	-0.41	-20.999	-27.43	8084.865	1
3229_3229	3229	3229	391.184	22.915	0.278	-20.352	27.43	-8084.86	1
3229_3230	3229	3230	-354.874	13.022	-0.278	20.352	-30.789	7984.356	1
3230_3230	3230	3230	354.758	-58.42	0.006	16.609	30.789	-7982.56	1
3230_3231	3230	3231	-321.682	94.865	-0.006	-16.609	-30.868	6894.411	1
3231_3231	3231	3231	321.685	-94.692	-0.125	-16.091	30.868	-6894.41	1
3231_3232	3231	3232	-291.021	131.113	0.125	16.091	-29.338	5372.041	1
3232_3232	3232	3232	290.914	-182.424	2.345	4.973	29.338	-5371.28	1
3232_3233	3232	3233	-273.867	205.707	-2.345	-4.973	-47.713	3772.15	1
3233_3233	3233	3233	273.879	-205.599	2.326	2.406	47.713	-3772.19	1
3233_3234	3233	3234	-258.566	227.752	-2.326	-2.406	-65.052	2085.65	1
3234_3234	3234	3234	268.152	-224.322	2.591	-4.973	70.262	-2118.18	1
3234_3235	3234	3235	-250.536	251.263	-2.591	5.008	-93.24	-78.018	1.03
3235_3235	3235	3235	256.515	-298.701	0.689	-4.434	93.203	78.053	1.03
3235_3236	3235	3236	-247.28	316.641	-0.689	4.392	-97.248	-1937.36	1.02
3236_3236	3236	3236	224.026	-313.388	2.271	-2.656	145.099	2076.912	1.02
3236_3237	3236	3237	-219.073	330.178	-2.271	2.569	-157.07	-3814.33	1.01
3237_3237	3237	3237	244.794	-324.787	1.501	7.681	158.201	3708.748	1.01
3237_3238	3237	3238	-243.446	361.883	-1.501	-7.94	-173.107	-7162.27	1.01
3238_3238	3238	3238	255.11	-400.532	-2.315	-14.043	171.795	7162.746	1.01
3238_3239	3238	3239	-260.75	439.971	2.315	13.882	-147.953	-11523.1	1.01
3239_3239	3239	3239	270.844	-432.547	-2.407	13.508	150.753	11526.76	1.01
3239_3240	3239	3240	-279.768	475.239	2.407	-13.708	-124.753	-16459.4	1
3240_3240	3240	3240	293.554	-492.591	-37.904	-30.387	119.889	16455.55	1
3240_3241	3240	3241	-300.925	522.662	37.904	30.728	159.765	-20214.9	1
3241_3241	3241	3241	-1952.61	350.967	-13.571	4.06	395.644	6274.872	1
3241_3242	3241	3242	1967.796	-316.455	13.571	-4.06	-266.766	-3168.55	1
3242_3242	3242	3242	-1964.17	316.541	-5.649	17.796	268.213	3150.923	1
3242_3243	3242	3243	1975.823	-289.039	5.649	-17.796	-224.854	-875.381	1
3243_3243	3243	3243	-1973.25	227.641	-35.831	0.32	224.854	874.173	1
3243_3244	3243	3244	1983.652	-193.528	35.831	-0.32	116.263	1087.07	1
3244_3244	3244	3244	-1983.74	193.65	-30.921	-0.003	-116.263	-1087.02	1
3244_3245	3244	3245	1993.383	-157.449	30.921	0.003	428.652	2819.868	1
3245_3245	3245	3245	-1994.21	110.089	-12.991	5.726	-428.652	-2819.16	1
3245_3246	3245	3246	2002.009	-74.455	12.991	-5.726	557.845	3703.373	1
3246_3246	3246	3246	-2002.04	74.577	-3.952	-4.576	-557.845	-3703.42	1
3246_3247	3246	3247	2008.287	-39.902	3.952	4.576	596.086	4230.105	1
3247_3247	3247	3247	-2008.28	-10.213	-0.325	5.65	-596.086	-4229.31	1
3247_3248	3247	3248	2012.548	43.131	0.325	-5.65	599.074	3965.078	1
3248_3248	3248	3248	-2012.56	-43.01	7.237	-3.32	-599.074	-3964.95	1
3248_3249	3248	3249	2015.977	80.394	-7.237	3.32	523.568	3305.107	1
3249_3249	3249	3249	-2014.5	-122.482	-18.309	0.525	-523.568	-3304.69	1
3249_3250	3249	3250	2015.951	159.119	18.309	-0.525	710.765	1856.839	1
3250_3250	3250	3250	-2015.98	-158.998	-11.746	-0.721	-710.765	-1856.93	1

3250_3251	3250	3251	2016.02	192.695	11.746	0.721	821.225	200.835	1
3251_3251	3251	3251	-2019.43	-233.748	77.469	-9.232	-821.225	-201.328	1
3251_3252	3251	3252	2016.892	263.856	-77.469	9.232	170.278	-1881.29	1
3252_3252	3252	3252	-2016.62	-263.752	84.97	2.06	-170.278	1881.31	1
3252_3253	3252	3253	2013.082	293.942	-84.97	-2.06	-545.619	-4218.71	1
3253_3253	3253	3253	-2009.52	-293.837	87.842	9.325	545.504	4202.036	1
3253_3254	3253	3254	2005.408	321.686	-87.842	-9.325	-1218.63	-6546	1
3254_3254	3254	3254	-2001.06	-354.091	-37.609	-102.317	1218.631	6541.423	1
3254_3255	3254	3255	1998.374	365.955	37.609	102.317	-1095.85	-7706.81	1.01
3255_3255	3255	3255	286.614	475.064	-53.698	-5.129	825.244	21420.43	1.01
3255_3256	3255	3256	-262.011	-433.856	53.698	4.71	-272.703	-16778.8	1.01
3256_3256	3256	3256	245.214	447.07	-53.849	48.255	266.157	16772.7	1.01
3256_3257	3256	3257	-226.549	-415.248	53.849	-48.521	175.316	-13268	1.02
3257_3257	3257	3257	213.738	382.42	11.774	-26.413	-168.289	13261.78	1.02
3257_3258	3257	3258	-191.859	-344.987	-11.774	26.802	51.814	-9698.18	1.03
3258_3258	3258	3258	184.936	351.172	11.675	1.377	-53.891	9696.557	1.03
3258_3259	3258	3259	-167.48	-319.178	-11.675	-1.111	-46.767	-6833.52	1.04
3259_3259	3259	3259	108.107	324.403	12.309	32.677	53.905	7124.658	1.04
3259_3260	3259	3260	-101.76	-314.421	-12.309	-32.613	-92.819	-6124.23	1.04
3260_3260	3260	3260	649.893	251.738	0.434	11.855	21.716	3237.049	1.04
3260_3261	3260	3261	-679.681	-226.955	-0.434	-11.918	-24.971	-1335.46	1.04
3261_3261	3261	3261	675.29	235.259	0.301	3.748	25.272	1334.783	1.04
3261_3262	3261	3262	-697.234	-204.814	-0.301	-3.78	-28.082	806.973	1
3262_3262	3262	3262	724.12	210.497	-0.128	-17.08	26.222	-1133.67	1
3262_3263	3262	3263	-733.208	-186.015	0.128	17.08	-25.242	2700.257	1
3263_3263	3263	3263	733.159	128.672	0.91	12.635	25.242	-2699.71	1
3263_3264	3263	3264	-748.278	-92.661	-0.91	-12.635	-35.489	4024.644	1
3264_3264	3264	3264	748.252	92.831	0.746	-11.232	35.489	-4024.54	1
3264_3265	3264	3265	-766.319	-55.168	-0.746	11.232	-44.283	4987.73	1
3265_3265	3265	3265	766.272	5.948	0.724	20.825	44.283	-4987.53	1
3265_3266	3265	3266	-787.964	31.188	-0.724	-20.825	-52.698	4946.935	1
3266_3266	3266	3266	787.968	-31.017	0.482	-20.401	52.698	-4946.95	1
3266_3267	3266	3267	-811.5	67.558	-0.482	20.401	-58.213	4497.038	1
3267_3267	3267	3267	811.497	-116.73	0.649	13.636	58.213	-4497.03	1
3267_3268	3267	3268	-839.367	153.834	-0.649	-13.636	-65.752	3058.511	1
3268_3268	3268	3268	839.372	-153.664	0.47	-13.487	65.752	-3058.53	1
3268_3269	3268	3269	-869.029	190.234	-0.47	13.487	-71.134	1230.443	1
3269_3269	3269	3269	869.006	-242.941	-0.364	10.281	71.134	-1230.23	1
3269_3270	3269	3270	-905.461	281.951	0.364	-10.281	-66.697	-1803.87	1
3270_3270	3270	3270	905.45	-281.771	-0.608	-11.036	66.697	1803.879	1
3270_3271	3270	3271	-944	320.415	0.608	11.036	-59.35	-5266.43	1
3271_3271	3271	3271	944.305	-376.089	6.034	-2.091	59.35	5266.11	1
3271_3272	3271	3272	-967.987	398.243	-6.034	2.091	-101.171	-7841.02	1.05
3272_3272	3272	3272	896.164	-391.954	6.22	-5.347	92.941	8457.35	1.05
3272_3273	3272	3273	-904.768	424.444	-6.22	5.396	-151.661	-12241.6	1.05
3273_3273	3273	3273	912.869	-414.443	6.022	3.731	151.887	12240.92	1.05
3273_3274	3273	3274	-894.214	443.239	-6.022	-3.623	-201.48	-15784.6	1.05
3274_3274	3274	3274	900.444	-492.766	-29.016	-23.27	200.496	15786.41	1.05
3274_3275	3274	3275	-893.11	501.02	29.016	23.175	-132.934	-16950.9	1.05
3275_3275	3275	3275	791.402	-497.846	-30.717	-19.263	124.682	17596.68	1.05
3275_3276	3275	3276	-761.987	532.53	30.717	18.708	141.691	-22103.5	1.03
3276_3276	3276	3276	771.809	-524.023	-30.892	25.718	-139.115	22103.61	1.03
3276_3277	3276	3277	-734.643	559.854	30.892	-26.42	408.372	-26896.2	1.02
3277_3277	3277	3277	363.156	-575.411	44.765	-75.087	-767.954	29365.51	1.02
3277_3278	3277	3278	-368.451	619.035	-44.765	74.667	299.812	-35629.7	1.02
3278_3278	3278	3278	389.338	-605.506	44.665	14.547	-291.951	35636.63	1.02

3278_3279	3278	3279	-395.831	647.297	-44.665	-15.018	-139.691	-41711.5	1.02
3279_3279	3279	3279	-2980.18	502.673	25.766	139.225	497.149	14553.74	1.02
3279_3280	3279	3280	2987.515	-486.758	-25.766	-139.225	-603.426	-12542.5	1
3280_3280	3280	3280	-2988.22	372.547	-75.552	-32.679	603.426	12543.83	1
3280_3281	3280	3281	2995.759	-348.34	75.552	32.679	-129.45	-10312.5	1
3281_3281	3281	3281	-3001.18	348.42	-65.189	-4.194	132.401	10600.6	1
3281_3282	3281	3282	3012.047	-313.508	65.189	4.194	496.899	-7449.92	1
3282_3282	3282	3282	-3012.19	313.623	-55.409	19.71	-496.899	7449.734	1
3282_3283	3282	3283	3020.516	-283.39	55.409	-19.71	960.109	-4988.34	1
3283_3283	3283	3283	-3077.2	254.035	13.651	-6.196	-959.786	5255.706	1
3283_3284	3283	3284	3093.071	-215.674	-13.651	6.196	791.012	-2418.56	1
3284_3284	3284	3284	-3092.98	215.804	26.188	5.727	-791.012	2418.508	1
3284_3285	3284	3285	3106.595	-178.803	-26.188	-5.727	478.735	-123.039	1
3285_3285	3285	3285	-3106.76	82.324	5.337	-0.59	-478.735	123.075	1
3285_3286	3285	3286	3111.259	-45.587	-5.337	0.59	415.545	615.027	1
3286_3286	3286	3286	-3111.17	45.706	19.301	0.714	-415.545	-615.183	1
3286_3287	3286	3287	3113.778	-13.391	-19.301	-0.714	214.528	911.513	1
3287_3287	3287	3287	-3113.69	-32.206	26.024	-1.415	-214.528	-911.509	1
3287_3288	3287	3288	3116.277	67.253	-26.024	1.415	-79.419	337.816	1
3288_3288	3288	3288	-3116.16	-67.134	37.084	0.937	79.419	-337.857	1
3288_3289	3288	3289	3117.246	101.066	-37.084	-0.937	-484.958	-587.802	1
3289_3289	3289	3289	-3117.76	-187.203	-14.834	-8.211	484.958	587.714	1
3289_3290	3289	3290	3116.486	213.156	14.834	8.211	-360.882	-2258.27	1
3290_3290	3290	3290	-3116.5	-213.07	-7.737	-0.889	360.882	2258.241	1
3290_3291	3290	3291	3114.554	237.453	7.737	0.889	-300.084	-4021.87	1
3291_3291	3291	3291	-3107.31	-237.378	-1.213	9.515	300.416	3713.833	1
3291_3292	3291	3292	3104.571	263.743	1.213	-9.515	-290.852	-5679.12	1
3292_3292	3292	3292	-3104.76	-327.922	-10.82	-19.623	290.852	5679.653	1
3292_3293	3292	3293	3103.748	336.319	10.82	19.623	-263.691	-6509.79	1.01
3293_3293	3293	3293	298.644	895.072	-9.451	-54.427	51.596	29839.32	1.01
3293_3294	3293	3294	-283.644	-862.814	9.451	54.444	28.549	-22442.1	1.02
3294_3294	3294	3294	252.621	873.414	-9.498	46.195	-39.064	22437.75	1.02
3294_3295	3294	3295	-233.728	-837.348	9.498	-46.178	132.329	-14110.7	1.02
3295_3295	3295	3295	207.047	767.399	4.745	-24.23	-126.66	14109.73	1.02
3295_3296	3295	3296	-187.493	-728.55	-4.745	24.2	74.947	-6024.92	1.03
3296_3296	3296	3296	169.868	734.247	4.698	9.564	-76.616	6023.381	1.03
3296_3297	3296	3297	-155.823	-705.305	-4.698	-9.577	37.735	-115.488	1.05
3297_3297	3297	3297	119.122	709.038	4.51	18.786	-34.054	241.375	1.05
3297_3298	3297	3298	-111.873	-695.851	-4.51	-18.788	14.583	2763.834	1.08
3298_3298	3298	3298	36.633	614.081	-0.026	7.918	16.278	-2394.32	1.08
3298_3299	3298	3299	-27.897	-589.081	0.026	-7.926	-16.066	7314.13	1.08
3299_3299	3299	3299	25.594	589.853	-0.057	0.151	16.1	-7314.33	1.08
3299_3300	3299	3300	-19.504	-567.251	0.057	-0.151	-15.673	11599.04	1
3300_3300	3300	3300	61.872	567.459	0.319	-16.641	11.683	-11837.7	1
3300_3301	3300	3301	-56.883	-542.689	-0.319	16.641	-13.951	15760.32	1
3301_3301	3301	3301	56.792	463.246	-0.181	36.235	13.951	-15760.5	1
3301_3302	3301	3302	-48.921	-421.133	0.181	-36.235	-11.759	21067.9	1
3302_3302	3302	3302	48.918	421.239	-0.236	-32.346	11.759	-21067.9	1
3302_3303	3302	3303	-42.39	-378.733	0.236	32.346	-8.885	25916.95	1
3303_3303	3303	3303	42.391	299.116	1.744	40.787	8.885	-25917.9	1
3303_3304	3303	3304	-38.62	-254.39	-1.744	-40.787	-31.269	29453.72	1
3304_3304	3304	3304	38.653	254.495	1.701	-39.15	31.269	-29453.9	1
3304_3305	3304	3305	-36.619	-214.607	-1.701	39.15	-50.74	32130.56	1
3305_3305	3305	3305	36.574	140.659	-0.083	56.064	50.74	-32131.6	1
3305_3306	3305	3306	-37.519	-94.534	0.083	-56.064	-49.644	33694.72	1
3306_3306	3306	3306	37.562	94.639	-0.136	-58.299	49.644	-33695	1

3306_3307	3306	3307	-39.633	-56.149	0.136	58.299	-48.146	34539.37	1
3307_3307	3307	3307	39.612	-14.541	1.313	55.231	48.146	-34540.7	1
3307_3308	3307	3308	-45.344	58.348	-1.313	-55.231	-64.647	34112.15	1
3308_3308	3308	3308	45.366	-58.242	1.265	-50.187	64.647	-34112.3	1
3308_3309	3308	3309	-52.062	99.031	-1.265	50.187	-79.452	33225.88	1
3309_3309	3309	3309	52.041	-171.23	-0.908	47.579	79.452	-33226.8	1
3309_3310	3309	3310	-62.492	212.594	0.908	-47.579	-68.671	31001.06	1
3310_3310	3310	3310	62.481	-212.489	-0.95	-36.296	68.671	-31001	1
3310_3311	3310	3311	-74.855	255.756	0.95	36.296	-56.877	28155.7	1
3311_3311	3311	3311	74.896	-317.969	4.389	38.542	56.877	-28156.7	1
3311_3312	3311	3312	-89.283	360.173	-4.389	-38.542	-110.025	24121.2	1
3312_3312	3312	3312	89.3	-360.067	4.345	-31.011	110.025	-24121.2	1
3312_3313	3312	3313	-105.159	402.45	-4.345	31.011	-162.854	19562.22	1
3313_3313	3313	3313	105.066	-499.272	-4.711	25.536	162.854	-19562.8	1
3313_3314	3313	3314	-128.357	543.577	4.711	-25.536	-102.972	13047.86	1
3314_3314	3314	3314	128.335	-543.467	-4.764	-17.753	102.972	-13047.9	1
3314_3315	3314	3315	-153.051	587.564	4.764	17.753	-42.7	6012.928	1
3315_3315	3315	3315	153.253	-628.529	-5.218	-1.729	42.7	-6014.3	1
3315_3316	3315	3316	-171.332	657.052	5.218	1.729	0	841.948	1
3400_3020	3400	3020	2645.234	-242.53	-8.499	0.786	-276.489	-3455	1
3400_3401	3400	3401	-2646.28	246.519	8.499	-0.786	311.307	2453.194	1
3401_3401	3401	3401	2642.931	-238.75	24.531	-1.92	-300.365	-2453.28	1
3401_3402	3401	3402	-2643.84	242.142	-24.531	1.92	214.815	1614.74	1
3402_3402	3402	3402	2648.926	-178.625	19.858	0.329	-215.65	-1614.63	1
3402_3403	3402	3403	-2652.02	189.174	-19.858	-0.329	-1.172	-393.261	1
3403_3403	3403	3403	2646.894	-111.248	0.925	-0.653	1.465	393.255	1
3403_3404	3403	3404	-2649.15	118.141	-0.925	0.653	-8.126	-1219.51	1
3404_3404	3404	3404	2651.155	-57.63	-1.189	0.142	8.455	1219.512	1
3404_3405	3404	3405	-2653.57	64.482	1.189	-0.142	0.127	-1660.14	1
3405_3405	3405	3405	2652.315	24.633	0.845	-0.348	-0.331	1660.143	1
3405_3406	3405	3406	-2657.62	-11.131	-0.845	0.348	-11.848	-1402.47	1
3406_3406	3406	3406	2655.941	100.591	0.02	-0.734	12.45	1402.473	1
3406_3407	3406	3407	-2659.5	-92.414	-0.02	0.734	-12.623	-547.897	1
3407_3407	3407	3407	2657.07	146.308	-5.083	0.036	13.077	547.887	1
3407_3408	3407	3408	-2659.52	-140.962	5.083	-0.036	15.192	250.977	1
3408_3408	3408	3408	2636.223	-421.725	8.436	-0.109	-15.711	-251.008	1
3408_3409	3408	3409	-2636.92	424.841	-8.436	0.109	-9.753	-1026.61	1
3409_3409	3409	3409	2631.488	403.565	0.096	-0.684	9.929	1026.222	1
3409_3410	3409	3410	-2630.79	-400.44	-0.096	0.684	-10.22	190.678	1
3410_3410	3410	3410	2652.834	-164.352	3.688	-1.307	8.687	-190.666	1
3410_3411	3410	3411	-2650.38	169.689	-3.688	1.307	-29.171	-736.908	1
3411_3411	3411	3411	2653.395	-113.191	-2.953	-0.117	28.35	736.941	1
3411_3412	3411	3412	-2649.84	121.376	2.953	0.117	-2.178	-1776.4	1
3412_3412	3412	3412	2655.699	-32.692	0.182	-0.597	1.371	1776.418	1
3412_3413	3412	3413	-2650.39	46.197	-0.182	0.597	-3.994	-2344.9	1
3413_3413	3413	3413	2655.941	42.32	2.881	-2.44	3.191	2344.938	1
3413_3414	3413	3414	-2653.53	-35.471	-2.881	2.44	-23.97	-2064.38	1
3414_3414	3414	3414	2651.99	96.988	-2.501	1.245	22.52	2064.4	1
3414_3415	3414	3415	-2649.73	-90.09	2.501	-1.245	-4.493	-1390.19	1
3415_3415	3415	3415	2657.245	168.243	-10.867	-1.148	5.199	1390.206	1
3415_3416	3415	3416	-2654.15	-157.695	10.867	1.148	113.455	389.142	1
3416_3416	3416	3416	2649.668	220.545	-11.748	1.409	-113.415	-389.153	1
3416_3417	3416	3417	-2648.76	-217.157	11.748	-1.409	154.337	1151.524	1
3417_3417	3417	3417	2651.845	227.014	-17.301	-1.594	-158.398	-1151.58	1
3417_3036	3417	3036	-2650.8	-223.02	17.301	1.594	229.362	2074.549	1.02
3420_3056	3420	3056	2182.541	-225.452	-7.398	0.987	-107.552	-3722.76	1

3420_3421	3420	3421	-2183.47	228.984	7.398	-0.987	137.837	2792.539	1
3421_3421	3421	3421	2180.16	-223.397	10.696	-0.485	-131.974	-2792.54	1
3421_3422	3421	3422	-2180.96	226.401	-10.696	0.485	94.687	2008.528	1
3422_3422	3422	3422	2185.727	-174.583	9.524	0.659	-94.995	-2008.51	1
3422_3423	3422	3423	-2188.47	183.935	-9.524	-0.659	-9.047	50.23	1
3423_3423	3423	3423	2184.996	-119.751	0.699	0.11	7.893	-50.233	1
3423_3424	3423	3424	-2186.99	125.858	-0.699	-0.11	-12.926	-834.282	1
3424_3424	3424	3424	2189.296	-75.911	-1.486	0.658	13.222	834.277	1
3424_3425	3424	3425	-2191.44	81.981	1.486	-0.658	-2.501	-1403.93	1
3425_3425	3425	3425	2190.892	-9.679	0.198	0.338	2.265	1403.934	1
3425_3426	3425	3426	-2195.59	21.65	-0.198	-0.338	-5.117	-1629.77	1
3426_3426	3426	3426	2194.562	52.336	0.24	0.061	5.557	1629.779	1
3426_3427	3426	3427	-2197.71	-45.095	-0.24	-0.061	-7.677	-1198.59	1
3427_3427	3427	3427	2196.333	89.927	-1.189	0.67	8.029	1198.59	1
3427_3428	3427	3428	-2198.52	-85.165	1.189	-0.67	-1.42	-712.049	1
3428_3428	3428	3428	2173.075	-382.407	-4.041	-0.208	2.472	712.07	1
3428_3429	3428	3429	-2173.7	385.194	4.041	0.208	9.764	-1874.33	1
3429_3429	3429	3429	2175.459	389.169	2.091	0.719	-9.88	1877.057	1
3429_3430	3429	3430	-2174.84	-386.391	-2.091	-0.719	3.568	-706.289	1
3430_3430	3430	3430	2201.409	-80.495	-0.942	1.063	-3.909	706.289	1
3430_3431	3430	3431	-2199.22	85.257	0.942	-1.063	9.146	-1166.83	1
3431_3431	3431	3431	2200.521	-39.338	1.848	-0.215	-8.484	1166.838	1
3431_3432	3431	3432	-2197.37	46.587	-1.848	0.215	-7.892	-1547.47	1
3432_3432	3432	3432	2199.065	26.48	-0.247	0.225	7.321	1547.512	1
3432_3433	3432	3433	-2194.36	-14.513	0.247	-0.225	-3.766	-1252.11	1
3433_3433	3433	3433	2195.183	86.913	-0.009	0.543	4.258	1252.131	1
3433_3434	3433	3434	-2193.04	-80.845	0.009	-0.543	-4.194	-647.131	1
3434_3434	3434	3434	2190.567	131.835	2.089	-0.187	4.413	647.13	1
3434_3435	3434	3435	-2188.57	-125.722	-2.089	0.187	-19.472	281.25	1
3435_3435	3435	3435	2192.043	189.314	-17.614	0.172	21.499	-281.251	1
3435_3436	3435	3436	-2189.3	-179.967	17.614	-0.172	170.811	2297.203	1
3436_3436	3436	3436	2184.214	233.44	-21.573	0.061	-169.613	-2297.29	1
3436_3437	3436	3437	-2183.41	-230.429	21.573	-0.061	244.974	3107.502	1
3437_3437	3437	3437	2187.395	233.509	-7.847	-1.33	-254.555	-3107.59	1
3437_3072	3437	3072	-2186.47	-229.98	7.847	1.33	286.656	4055.645	1
3440_3094	3440	3094	2503.351	-210.241	-8.531	0.499	-38.198	-2356.78	1.01
3440_3441	3440	3441	-2504.27	213.742	8.531	-0.499	73.144	1488.365	1
3441_3441	3441	3441	2499.091	-207.025	5.643	-0.781	-69.158	-1488.37	1
3441_3442	3441	3442	-2499.89	210.004	-5.643	0.781	49.466	760.749	1
3442_3442	3442	3442	2504.243	-149.342	5.489	0.371	-49.485	-760.749	1
3442_3443	3442	3443	-2506.96	158.597	-5.489	-0.371	-10.433	-919.858	1
3443_3443	3443	3443	2505.173	-85.5	-0.722	0.334	10.56	919.858	1
3443_3444	3443	3444	-2507.15	91.555	0.722	-0.334	-5.354	-1558.09	1
3444_3444	3444	3444	2508.603	-33.275	-0.242	-0.09	5.255	1558.09	1
3444_3445	3444	3445	-2510.72	39.286	0.242	0.09	-3.507	-1819.8	1
3445_3445	3445	3445	2509.669	44.58	0.116	0.073	4.417	1819.807	1
3445_3446	3445	3446	-2514.33	-32.727	-0.116	-0.073	-6.084	-1262.7	1
3446_3446	3446	3446	2512.392	117.749	-0.039	0.18	7.805	1262.71	1
3446_3447	3446	3447	-2515.51	-110.572	0.039	-0.18	-7.457	-251.665	1
3447_3447	3447	3447	2512.707	162.241	2.574	-0.228	7.342	251.668	1
3447_3448	3447	3448	-2514.88	-157.52	-2.574	0.228	-21.648	637.097	1
3448_3448	3448	3448	2499.557	-376.819	-11.942	3.849	23.275	-637.126	1
3448_3449	3448	3449	-2500.17	379.577	11.942	-3.849	12.833	-506.446	1
3449_3449	3449	3449	2499.87	375.299	11.953	-3.881	-12.825	506.784	1
3449_3450	3449	3450	-2499.25	-372.55	-11.953	3.881	-23.211	620.533	1
3450_3450	3450	3450	2516.47	-160.036	-1.69	0.148	21.58	-620.516	1

3450_3451	3450	3451	-2514.3	164.758	1.69	-0.148	-12.185	-282.365	1
3451_3451	3451	3451	2517.158	-113.025	-0.899	-0.19	12.223	282.364	1
3451_3452	3451	3452	-2514.04	120.203	0.899	0.19	-4.263	-1315.32	1
3452_3452	3452	3452	2519.189	-35.422	0.064	-0.115	2.93	1315.329	1
3452_3453	3452	3453	-2514.53	47.276	-0.064	0.115	-3.852	-1911.34	1
3453_3453	3453	3453	2518.596	36.485	0.717	-0.227	2.702	1911.348	1
3453_3454	3453	3454	-2516.48	-30.474	-0.717	0.227	-7.878	-1669.83	1
3454_3454	3454	3454	2515.088	88.934	0.211	-0.07	7.759	1669.831	1
3454_3455	3454	3455	-2513.11	-82.879	-0.211	0.07	-9.277	-1050.47	1
3455_3455	3455	3455	2517.949	156.054	-4.307	-0.211	9.232	1050.47	1
3455_3456	3455	3456	-2515.24	-146.799	4.307	0.211	37.782	602.298	1
3456_3456	3456	3456	2510.935	207.714	-6.659	0.128	-37.622	-602.308	1
3456_3457	3456	3457	-2510.14	-204.736	6.659	-0.128	60.857	1321.882	1
3457_3457	3457	3457	2515.64	211.094	4.003	-0.588	-64.431	-1321.86	1
3457_3110	3457	3110	-2514.72	-207.594	-4.003	0.588	48.033	2179.369	1.01
3460_3132	3460	3132	2198.113	-309.154	-24.301	-1.323	235.309	-4079.93	1.03
3460_3461	3460	3461	-2199.03	313.387	24.301	1.323	-116.185	2554.094	1
3461_3461	3461	3461	2206.113	-213.13	-11.967	0.037	112.21	-2554.11	1
3461_3462	3461	3462	-2206.91	216.108	11.967	-0.037	-70.467	1805.494	1
3462_3462	3462	3462	2211.468	-163.095	-9.986	0	70.932	-1805.48	1
3462_3463	3462	3463	-2214.18	172.355	9.986	0	38.12	-26.145	1
3463_3463	3463	3463	2243.892	-111.715	2.753	-0.141	-37.689	25.98	1
3463_3464	3463	3464	-2245.87	117.768	-2.753	0.141	17.848	-852.995	1
3464_3464	3464	3464	2248.001	-65.539	2.978	0.188	-17.877	852.995	1
3464_3465	3464	3465	-2250.12	71.548	-2.978	-0.188	-3.599	-1347.31	1
3465_3465	3465	3465	2284.787	-5.279	0.025	-0.117	0.707	1347.366	1
3465_3466	3465	3466	-2289.44	17.129	-0.025	0.117	-1.071	-1508.82	1
3466_3466	3466	3466	2331.904	44.316	1.887	-0.111	-1.256	1508.703	1
3466_3467	3466	3467	-2335.02	-37.14	-1.887	0.111	-15.455	-1148.05	1
3467_3467	3467	3467	2333.765	85.15	1.524	-0.253	15.53	1148.051	1
3467_3468	3467	3468	-2335.93	-80.43	-1.524	0.253	-24.003	-687.906	1
3468_3468	3468	3468	2354.773	-448.412	1.507	3.5	22.319	687.901	1
3468_3469	3468	3469	-2355.39	451.169	-1.507	-3.5	-26.874	-2047.77	1
3469_3469	3469	3469	2357.563	448.65	1.187	-3.578	13.33	2056.185	1
3469_3470	3469	3470	-2356.95	-445.893	-1.187	3.578	-16.92	-703.997	1
3470_3470	3470	3470	2340.102	-83.286	-1.557	0.256	18.399	704.004	1
3470_3471	3470	3471	-2337.93	88.006	1.557	-0.256	-9.748	-1180.02	1
3471_3471	3471	3471	2339.249	-39.91	-1.193	-0.126	9.83	1180.022	1
3471_3472	3471	3472	-2336.13	47.086	1.193	0.126	0.733	-1565.2	1
3472_3472	3472	3472	2298.063	16.049	0.08	-0.037	0.913	1565.136	1
3472_3473	3472	3473	-2293.41	-4.19	-0.08	0.037	-2.065	-1419.22	1
3473_3473	3473	3473	2263.998	72.076	-0.094	-0.194	2.635	1419.219	1
3473_3474	3473	3474	-2261.88	-66.066	0.094	0.194	-1.96	-921.083	1
3474_3474	3474	3474	2259.731	118.617	-0.343	-0.136	1.921	921.083	1
3474_3475	3474	3475	-2257.75	-112.564	0.343	0.136	0.551	-87.931	1
3475_3475	3475	3475	2233.562	175.951	1.061	-1.155	-0.149	87.938	1
3475_3476	3475	3476	-2230.85	-166.69	-1.061	1.155	-11.441	1783.155	1
3476_3476	3476	3476	2226.197	220.186	6.372	2.94	10.243	-1783.16	1
3476_3477	3476	3477	-2225.4	-217.207	-6.372	-2.94	-32.473	2546.11	1
3477_3477	3477	3477	2229.332	221.67	-2.57	-0.085	35.467	-2546.04	1
3477_3148	3477	3148	-2228.41	-218.17	2.57	0.085	-24.941	3446.644	1
3480_3168	3480	3168	2144.953	-240.272	32.303	0.673	-95.861	-4522.83	1
3480_3481	3480	3481	-2145.87	243.772	-32.303	-0.673	-36.431	3531.676	1
3481_3481	3481	3481	2143.685	-239.11	-4.304	-2.213	29.627	-3531.61	1
3481_3482	3481	3482	-2144.48	242.088	4.304	2.213	-14.613	2692.287	1
3482_3482	3482	3482	2149.673	-190.584	-1.522	1.014	15.604	-2692.28	1

3482_3483	3482	3483	-2152.39	199.845	1.522	-1.014	1.021	560.206	1
3483_3483	3483	3483	2191.025	-139.317	0.342	0.198	-4.299	-560.222	1
3483_3484	3483	3484	-2193	145.37	-0.342	-0.198	1.831	-465.762	1
3484_3484	3484	3484	2195.833	-93.349	0.632	0.179	-1.848	465.761	1
3484_3485	3484	3485	-2197.95	99.349	-0.632	-0.179	-2.702	-1159.72	1
3485_3485	3485	3485	2243.54	-35.687	0.91	0.023	-1.152	1159.604	1
3485_3486	3485	3486	-2248.2	47.546	-0.91	-0.023	-11.976	-1759.68	1
3486_3486	3486	3486	2304.748	12.586	-2.83	-0.315	7.304	1759.566	1
3486_3487	3486	3487	-2307.87	-5.411	2.83	0.315	17.754	-1679.88	1
3487_3487	3487	3487	2307.267	52.868	-3.186	0.307	-17.638	1679.884	1
3487_3488	3487	3488	-2309.44	-48.148	3.186	-0.307	35.347	-1399.16	1
3488_3488	3488	3488	2338.021	-478.687	5.379	-5.605	-41.843	1399.163	1
3488_3489	3488	3489	-2338.64	481.444	-5.379	5.605	25.58	-2850.57	1
3489_3489	3489	3489	2340.394	482.278	0.136	5.847	0.641	2855.421	1
3489_3490	3489	3490	-2339.78	-479.521	-0.136	-5.847	-1.052	-1401.5	1
3490_3490	3490	3490	2309.591	-47.667	0.101	0.242	3.087	1401.372	1
3490_3491	3490	3491	-2307.42	52.387	-0.101	-0.242	-3.646	-1679.42	1
3491_3491	3491	3491	2308.013	-4.927	0.457	-0.092	3.762	1679.422	1
3491_3492	3491	3492	-2304.89	12.102	-0.457	0.092	-7.809	-1754.82	1
3492_3492	3492	3492	2247.062	48.419	-0.996	-0.098	12.326	1754.791	1
3492_3493	3492	3493	-2242.41	-36.56	0.996	0.098	2.037	-1142.12	1
3493_3493	3493	3493	2195.483	101.318	-0.583	-0.285	2.184	1142.187	1
3493_3494	3493	3494	-2193.36	-95.309	0.583	0.285	2.022	-433.153	1
3494_3494	3494	3494	2190.618	145.314	-0.776	-0.2	-2.041	433.153	1
3494_3495	3494	3495	-2188.64	-139.27	0.776	0.2	7.626	591.106	1
3495_3495	3495	3495	2149.294	200.743	1.495	0.727	-4.789	-591.118	1
3495_3496	3495	3496	-2146.58	-191.481	-1.495	-0.727	-11.542	2733.001	1
3496_3496	3496	3496	2141.371	242.91	-1.282	-3.205	12.532	-2733	1
3496_3497	3496	3497	-2140.58	-239.932	1.282	3.205	-8.06	3575.184	1
3497_3497	3497	3497	2143.226	244.387	-24.234	-0.582	11.162	-3575.18	1
3497_3184	3497	3184	-2142.31	-240.887	24.234	0.582	88.081	4568.814	1.02
3500_3204	3500	3204	2396.569	-242.177	-16.689	0.537	-14.728	-3958.49	1.01
3500_3501	3500	3501	-2397.66	246.316	16.689	-0.537	83.073	2958.264	1
3501_3501	3501	3501	2395.303	-240.939	8.186	1.937	-77.289	-2958.44	1
3501_3502	3501	3502	-2396.24	244.461	-8.186	-1.937	48.732	2111.748	1
3502_3502	3502	3502	2401.429	-186.887	4.622	-0.101	-49.611	-2111.73	1
3502_3503	3502	3503	-2404.64	197.84	-4.622	0.101	-0.871	10.787	1
3503_3503	3503	3503	2399.563	-128.334	0.913	-0.144	1.477	-10.791	1
3503_3504	3503	3504	-2401.9	135.493	-0.913	0.144	-8.061	-940.011	1
3504_3504	3504	3504	2404.404	-79.616	-2.117	0.867	8.478	940.007	1
3504_3505	3504	3505	-2406.91	86.723	2.117	-0.867	6.786	-1539.81	1
3505_3505	3505	3505	2403.657	-7.63	0.384	0.232	-7.049	1539.845	1
3505_3506	3505	3506	-2409.16	21.645	-0.384	-0.232	1.515	-1750.77	1
3506_3506	3506	3506	2406.003	58.44	1.621	0.173	-1.038	1750.755	1
3506_3507	3506	3507	-2409.69	-49.954	-1.621	-0.173	-13.315	-1270.84	1
3507_3507	3507	3507	2408.155	99.496	1.246	0.094	13.405	1270.836	1
3507_3508	3507	3508	-2410.7	-93.96	-1.246	-0.094	-20.329	-733.222	1
3508_3508	3508	3508	2379.25	-417.019	-0.04	1.954	21.198	733.2	1
3508_3509	3508	3509	-2379.97	420.253	0.04	-1.954	-21.076	-1998.88	1
3509_3509	3509	3509	2379.752	419.407	-5.608	-2.084	21.105	1998.565	1
3509_3510	3509	3510	-2379.03	-416.174	5.608	2.084	-4.15	-735.504	1
3510_3510	3510	3510	2408.315	-94.648	-0.289	0.117	4.919	735.553	1
3510_3511	3510	3511	-2405.77	100.184	0.289	-0.117	-3.314	-1276.99	1
3511_3511	3511	3511	2407.324	-50.691	0.086	-0.148	3.402	1276.99	1
3511_3512	3511	3512	-2403.64	59.177	-0.086	0.148	-4.164	-1763.43	1
3512_3512	3512	3512	2404.986	21.599	-0.088	-0.159	4.404	1763.443	1

3512_3513	3512	3513	-2399.48	-7.573	0.088	0.159	-3.132	-1553.12	1
3513_3513	3513	3513	2400.147	86.058	0.486	-0.153	2.874	1553.129	1
3513_3514	3513	3514	-2397.64	-78.951	-0.486	0.153	-6.378	-958.112	1
3514_3514	3514	3514	2395.156	134.654	0.222	-0.193	6.338	958.112	1
3514_3515	3514	3515	-2392.82	-127.494	-0.222	0.193	-7.938	-13.359	1
3515_3515	3515	3515	2397.127	197.011	-10.708	-0.415	7.89	13.365	1
3515_3516	3515	3516	-2393.92	-186.058	10.708	0.415	109.06	2078.493	1
3516_3516	3516	3516	2388.763	243.431	-11.674	1.338	-108.808	-2078.51	1
3516_3517	3516	3517	-2387.82	-239.909	11.674	-1.338	149.533	2921.565	1
3517_3517	3517	3517	2389.238	243.572	-0.535	-1.821	-151.575	-2921.56	1
3517_3220	3517	3220	-2388.15	-239.444	0.535	1.821	153.761	3908.178	1
3520_3241	3520	3241	2379.937	-317.8	-16.741	41.897	-551.869	-7114.48	1
3520_3521	3520	3521	-2381.25	322.766	16.741	-41.897	620.364	5804.04	1
3521_3521	3521	3521	2365.497	-321.104	47.727	2.876	-611.684	-5811.33	1
3521_3522	3521	3522	-2366.63	325.329	-47.727	-2.876	445.394	4685.178	1
3522_3522	3522	3522	2373.782	-269.145	41.983	1.7	-448.636	-4684.87	1
3522_3523	3522	3523	-2377.64	282.301	-41.983	-1.7	-9.847	1673.813	1
3523_3523	3523	3523	2381.715	-206.218	2.376	1.014	5.377	-1673.34	1
3523_3524	3523	3524	-2384.53	214.822	-2.376	-1.014	-22.508	155.306	1
3524_3524	3524	3524	2388.931	-158.427	-5.332	-0.031	22.344	-155.333	1
3524_3525	3524	3525	-2391.94	166.957	5.332	0.031	16.083	-1017.18	1
3525_3525	3525	3525	2392.24	-85.753	-0.665	-0.406	-18.496	1016.384	1
3525_3526	3525	3526	-2398.86	102.601	0.665	0.406	28.087	-2374.39	1
3526_3526	3526	3526	2399.083	-20.962	1.489	-3.308	-27.854	2371.77	1
3526_3527	3526	3527	-2403.51	31.157	-1.489	3.308	14.67	-2602.54	1
3527_3527	3527	3527	2403.633	19.457	-4.413	3.368	-11.808	2602.554	1
3527_3528	3527	3528	-2406.66	-12.868	4.413	-3.368	36.308	-2512.82	1
3528_3528	3528	3528	2356.825	-498.934	6.809	-6.977	-38.273	2512.659	1
3528_3529	3528	3529	-2357.69	502.798	-6.809	6.977	17.634	-4030.75	1
3529_3529	3529	3529	2355.723	491.499	-1.585	4.674	-17.126	4029.49	1
3529_3530	3529	3530	-2354.86	-487.647	1.585	-4.674	21.916	-2550.03	1
3530_3530	3530	3530	2402.146	-20.65	10.037	-4.858	-20.995	2549.32	1
3530_3531	3530	3531	-2399.12	27.24	-10.037	4.858	-34.741	-2682.29	1
3531_3531	3531	3531	2399.171	23.631	4.131	1.038	31.749	2682.326	1
3531_3532	3531	3532	-2394.74	-13.431	-4.131	-1.038	-68.351	-2518.15	1
3532_3532	3532	3532	2396.816	90.395	-0.618	-0.971	64.485	2516.715	1
3532_3533	3532	3533	-2390.2	-73.553	0.618	0.971	-55.576	-1335.08	1
3533_3533	3533	3533	2391.815	148.355	-0.632	0.147	53.889	1334.935	1
3533_3534	3533	3534	-2388.8	-139.825	0.632	-0.147	-49.336	-296.476	1
3534_3534	3534	3534	2384.814	196.439	-2.161	-0.828	49.262	296.487	1
3534_3535	3534	3535	-2382	-187.832	2.161	0.828	-33.676	1089.376	1
3535_3535	3535	3535	2391.398	252.554	-16.369	3.56	36.411	-1087.69	1
3535_3536	3535	3536	-2387.55	-239.407	16.369	-3.56	142.241	3772.284	1
3536_3536	3536	3536	2380.864	297.977	-25.529	-7.963	-138.108	-3772.43	1
3536_3537	3536	3537	-2379.73	-293.74	25.529	7.963	227.284	4805.904	1
3537_3537	3537	3537	2353.15	454.461	-17.137	-41.402	-233.198	-4815.51	1
3537_3255	3537	3255	-2351.84	-447.702	17.137	41.402	327.18	7289.259	1.01
3540_3279	3540	3279	3502.665	-476.849	20.937	103.093	-317.187	-4754.24	1.02
3540_3541	3540	3541	-3504.07	483.42	-20.937	-103.093	213.029	2365.644	1
3541_3541	3541	3541	3518.859	-314.833	24.42	0.502	-203.412	-2412.28	1
3541_3542	3541	3542	-3520.08	319.379	-24.42	-0.502	118.346	1307.634	1
3542_3542	3542	3542	3526.652	-236.402	19.096	1.275	-118.891	-1307.58	1
3542_3543	3542	3543	-3530.8	250.564	-19.096	-1.275	-89.717	-1352.22	1
3543_3543	3543	3543	3558.306	-143.32	-5.131	-2.052	84.539	1349.476	1
3543_3544	3543	3544	-3561.33	152.57	5.131	2.052	-47.575	-2415.32	1
3544_3544	3544	3544	3563.906	-69.839	-9.253	-0.343	48.508	2415.304	1

3544_3545	3544	3545	-3567.15	79.023	9.253	0.343	18.202	-2951.89	1
3545_3545	3545	3545	3552.994	34.361	-2.24	-1.575	-16.992	2946.619	1
3545_3546	3545	3546	-3560.11	-16.23	2.24	1.575	49.29	-2581.87	1
3546_3546	3546	3546	3540.728	130.929	12.977	-1.775	-47.431	2578.029	1
3546_3547	3546	3547	-3545.5	-119.95	-12.977	1.775	-67.552	-1466.59	1
3547_3547	3547	3547	3542.11	196.331	4.343	0.256	69.103	1466.52	1
3547_3548	3547	3548	-3545.36	-189.264	-4.343	-0.256	-93.202	-396.643	1
3548_3548	3548	3548	3514.08	-563.988	-22.641	0.24	98.343	389.154	1
3548_3549	3548	3549	-3515.01	568.134	22.641	-0.24	-29.726	-2104.67	1
3549_3549	3549	3549	3533.621	581.619	-21.903	-3.539	30.578	2107.803	1
3549_3550	3549	3550	-3532.67	-577.558	21.903	3.539	34.599	-383.072	1
3550_3550	3550	3550	3553.366	-194.715	17.186	-3.192	-31.361	385.546	1
3550_3551	3550	3551	-3549.93	201.87	-17.186	3.192	-65.933	-1508.12	1
3551_3551	3551	3551	3553.64	-121.118	5.311	0.273	63.598	1508.224	1
3551_3552	3551	3552	-3548.95	131.48	-5.311	-0.273	-108.315	-2571.54	1
3552_3552	3552	3552	3552.046	5.768	-1.255	-2.042	107.001	2570.192	1
3552_3553	3552	3553	-3544.91	11.872	1.255	2.042	-89.325	-2613.18	1
3553_3553	3553	3553	3546.411	116.432	-5.526	-3.381	86.87	2611.383	1
3553_3554	3553	3554	-3543.18	-107.49	5.526	3.381	-47.985	-1823.47	1
3554_3554	3554	3554	3539.2	198.945	-14.466	0.076	46.323	1823.52	1
3554_3555	3554	3555	-3536.2	-189.916	14.466	-0.076	55.558	-454.192	1
3555_3555	3555	3555	3538.728	313.198	-17.901	-1.211	-56.869	452.65	1
3555_3556	3555	3556	-3534.69	-299.388	17.901	1.211	247.553	2809.928	1
3556_3556	3556	3556	3525.057	397.097	-16.358	6.908	-247.825	-2809.9	1
3556_3557	3556	3557	-3523.88	-392.622	16.358	-6.908	303.847	4162.197	1
3557_3557	3557	3557	3491.305	541.552	3.829	-3.835	-304.963	-4164.03	1
3557_3293	3557	3293	-3489.44	-533.008	-3.829	3.835	280.174	7642.137	1.01
43000_3000	43000	3000	4.029	442.563	-1.228	2.035	0	22.257	1
43000_3001	43000	3001	-4.029	-399.065	1.228	-2.035	18.315	6254.898	1
43001_3001	43001	3001	4.027	399.065	-1.233	-5.337	-18.315	-6254.9	1
43001_3002	43001	3002	-4.027	-368.748	1.233	5.337	31.13	10246.26	1
43002_3002	43002	3002	4.056	315.23	2.228	10.622	-31.13	-10246.4	1
43002_3003	43002	3003	-4.056	-279.769	-2.228	-10.622	4.031	13864.18	1
43003_3003	43003	3003	4.06	279.769	2.221	-13.439	-4.031	-13864.2	1
43003_3004	43003	3004	-4.06	-244.287	-2.221	13.439	-22.998	17052.5	1
43004_3004	43004	3004	4.042	204.373	0.18	7.61	22.998	-17052.8	1
43004_3005	43004	3005	-4.042	-168.898	-0.18	-7.61	-25.186	19323.33	1
43005_3005	43005	3005	4.043	168.898	0.176	-10.121	25.186	-19323.3	1
43005_3006	43005	3006	-4.043	-133.398	-0.176	10.121	-27.33	21163.41	1
43006_3006	43006	3006	4.041	93.485	-0.049	18.381	27.33	-21163.7	1
43006_3007	43006	3007	-4.041	-58.017	0.049	-18.381	-26.729	22085.08	1
43007_3007	43007	3007	4.041	58.017	-0.056	-19.873	26.729	-22085.1	1
43007_3008	43007	3008	-4.041	-22.528	0.056	19.873	-26.042	22575.2	1
43008_3008	43008	3008	4.046	-16.77	0.574	8.712	26.042	-22575.9	1
43008_3009	43008	3009	-4.046	52.252	-0.574	-8.712	-33.03	22155.95	1
43009_3009	43009	3009	4.047	-52.252	0.571	-9.367	33.03	-22155.9	1
43009_3010	43009	3010	-4.047	87.731	-0.571	9.367	-39.976	21304.38	1
43010_3010	43010	3010	4.04	-127.817	-0.227	16.214	39.976	-21304.7	1
43010_3011	43010	3011	-4.04	163.293	0.227	-16.214	-37.21	19534	1
43011_3011	43011	3011	4.04	-163.293	-0.234	-15.68	37.21	-19534	1
43011_3012	43011	3012	-4.04	198.761	0.234	15.68	-34.364	17332.13	1
43012_3012	43012	3012	4.043	-238.32	0.126	6.341	34.364	-17332.5	1
43012_3013	43012	3013	-4.043	273.81	-0.126	-6.341	-35.897	14215.99	1
43013_3013	43013	3013	4.043	-273.81	0.123	-5.263	35.897	-14216	1
43013_3014	43013	3014	-4.043	309.298	-0.123	5.263	-37.389	10667.88	1
43014_3014	43014	3014	4.043	-352.704	0.1	4.06	37.389	-10668.1	1

43014_3015	43014	3015	-4.043	400.689	-0.1	-4.06	-39.037	4469.354	1
43015_3015	43015	3015	8.601	-400.617	0.094	-2.75	39.009	-4466.85	1
43015_3016	43015	3016	-8.856	423.071	-0.094	2.75	-39.787	1072.482	1
43016_3016	43016	3016	19.791	-463.278	1.376	-1.083	47.881	-1951.44	1
43016_3017	43016	3017	-20.844	495.382	-1.376	1.083	-64.062	-3684.17	1.06
43017_3017	43017	3017	34.743	-494.602	1.371	1.488	64.272	3684.169	1.06
43017_3018	43017	3018	-37.11	533.453	-1.371	-1.488	-82.466	-10505.6	1.02
43018_3018	43018	3018	56.258	-579.349	-0.003	-12.61	81.425	10505.64	1.02
43018_3019	43018	3019	-59.69	617.846	0.003	12.61	-81.392	-18017.4	1.01
43019_3019	43019	3019	76.737	-615.962	-0.01	13.609	84.345	18017.4	1.01
43019_3020	43019	3020	-81.531	656.916	0.01	-13.609	-84.22	-26024.9	1
43020_3020	43020	3020	-2424.01	206.277	-9.892	-5.123	241.386	5497.207	1
43020_3021	43020	3021	2424.008	-179.721	9.892	5.123	-147.476	-3664.9	1
43021_3021	43021	3021	-2424.02	179.721	-5.258	1.883	147.476	3664.898	1
43021_3022	43021	3022	2424.022	-160.144	5.258	-1.883	-106.716	-2347.51	1
43022_3022	43022	3022	-2424.02	160.144	-5.258	1.883	106.716	2347.506	1
43022_3023	43022	3023	2424.022	-140.567	5.258	-1.883	-65.955	-1181.89	1
43023_3023	43023	3023	-2424.07	94.114	-9.034	-0.327	65.955	1181.924	1
43023_3024	43023	3024	2424.073	-73.906	9.034	0.327	6.338	-509.666	1
43024_3024	43024	3024	-2424.07	73.906	-9.034	-0.327	-6.338	509.666	1
43024_3025	43024	3025	2424.073	-53.698	9.034	0.327	78.631	0.886	1
43025_3025	43025	3025	-2424.08	53.698	-6.328	-0.328	-78.631	-0.886	1
43025_3026	43025	3026	2424.082	-33.518	6.328	0.328	129.197	349.366	1
43026_3026	43026	3026	-2424.06	-11.937	-5.208	-0.148	-129.197	-349.442	1
43026_3027	43026	3027	2424.064	27.091	5.208	0.148	160.451	232.338	1
43027_3027	43027	3027	-2424.07	-27.091	-1.189	-0.533	-160.451	-232.337	1
43027_3028	43027	3028	2424.069	42.243	1.189	0.533	167.585	24.331	1
43028_3028	43028	3028	-2424.07	-42.243	-1.189	-0.533	-167.585	-24.331	1
43028_3029	43028	3029	2424.069	57.395	1.189	0.533	174.719	-274.588	1
43029_3029	43029	3029	-2424.07	-57.395	2.831	-0.078	-174.719	274.588	1
43029_3030	43029	3030	2424.068	72.545	-2.831	0.078	157.733	-664.349	1
43030_3030	43030	3030	-2424.07	-118.374	1.729	-2.762	-157.733	664.305	1
43030_3031	43030	3031	2424.069	138.6	-1.729	2.762	143.883	-1693.36	1
43031_3031	43031	3031	-2424.07	-138.6	4.446	-0.864	-143.883	1693.366	1
43031_3032	43031	3032	2424.066	158.797	-4.446	0.864	108.32	-2882.68	1
43032_3032	43032	3032	-2424.06	-158.797	7.463	2.723	-108.32	2882.674	1
43032_3033	43032	3033	2424.058	178.993	-7.463	-2.723	48.637	-4233.35	1
43033_3033	43033	3033	-2424.09	-227.041	4.037	-9.65	-48.637	4233.48	1
43033_3034	43033	3034	2424.085	246.603	-4.037	9.65	17.366	-6068	1
43034_3034	43034	3034	-2424.07	-246.603	10.562	6.685	-17.366	6068.003	1
43034_3035	43034	3035	2424.066	266.186	-10.562	-6.685	-64.537	-8056.2	1
43035_3035	43035	3035	-2424.07	-266.186	9.174	2.071	64.537	8056.201	1
43035_3036	43035	3036	2424.071	292.766	-9.174	-2.071	-151.714	-10712	1.02
43036_3036	43036	3036	89.645	547.754	0.751	-12.334	-12.938	32711.15	1.02
43036_3037	43036	3037	-84.85	-506.823	-0.751	12.334	3.487	-26081.1	1.02
43037_3037	43037	3037	70.784	508.978	0.729	10.384	-5.844	26081.11	1.02
43037_3038	43037	3038	-67.352	-470.481	-0.729	-10.384	-3.31	-19936	1.02
43038_3038	43038	3038	51.655	431.665	-0.191	-4.198	4.483	19936.69	1.02
43038_3039	43038	3039	-49.288	-392.829	0.191	4.198	-1.952	-14468.4	1.03
43039_3039	43039	3039	44.497	311.543	-0.598	1.075	16.094	2759.193	1.03
43039_3040	43039	3040	-43.456	-279.778	0.598	-1.075	-9.061	718.182	1.04
43040_3040	43040	3040	36.977	237.383	0.007	1.616	9.073	-718.191	1.04
43040_3041	43040	3041	-36.726	-215.34	-0.007	-1.616	-9.134	2586.257	1.06
43041_3041	43041	3041	34.278	215.743	-0.028	-1.14	9.152	-2586.26	1.06
43041_3042	43041	3042	-34.278	-177.422	0.028	1.14	-8.707	5733.804	1
43042_3042	43042	3042	34.279	135.786	0.074	2.681	8.707	-5733.95	1

43042_3043	43042	3043	-34.279	-107.177	-0.074	-2.681	-9.592	7186.091	1
43043_3043	43043	3043	34.279	107.177	0.045	-3.309	9.592	-7186.09	1
43043_3044	43043	3044	-34.279	-78.57	-0.045	3.309	-10.136	8296.187	1
43044_3044	43044	3044	34.28	40.077	0.089	7.334	10.136	-8296.37	1
43044_3045	43044	3045	-34.28	-11.472	-0.089	-7.334	-11.2	8604.419	1
43045_3045	43045	3045	34.28	11.472	0.03	-7.606	11.2	-8604.42	1
43045_3046	43045	3046	-34.28	17.153	-0.03	7.606	-11.554	8570.445	1
43046_3046	43046	3046	34.28	-55.243	-0.058	0.321	11.554	-8570.63	1
43046_3047	43046	3047	-34.28	83.84	0.058	-0.321	-10.855	7739.706	1
43047_3047	43047	3047	34.28	-83.84	-0.061	-0.199	10.855	-7739.71	1
43047_3048	43047	3048	-34.28	112.461	0.061	0.199	-10.129	6565.964	1
43048_3048	43048	3048	34.281	-151.141	0.059	0.096	10.129	-6566.13	1
43048_3049	43048	3049	-34.281	179.756	-0.059	-0.096	-10.83	4587.994	1
43049_3049	43049	3049	34.281	-179.756	0.061	0.395	10.83	-4587.99	1
43049_3050	43049	3050	-34.281	208.348	-0.061	-0.395	-11.558	2269.8	1
43050_3050	43050	3050	34.279	-249.871	-0.231	0.109	11.558	-2269.83	1
43050_3051	43050	3051	-34.279	288.155	0.231	-0.109	-7.864	-2033.26	1.13
43051_3051	43051	3051	37.55	-287.747	-0.249	1.087	7.877	2033.264	1.13
43051_3052	43051	3052	-37.781	308.101	0.249	-1.087	-5.823	-4492.23	1.06
43052_3052	43052	3052	45.804	-350.931	0.726	-1.69	5.758	4492.219	1.06
43052_3053	43052	3053	-46.764	380.2	-0.726	1.69	-14.292	-8790.03	1.03
43053_3053	43053	3053	59.536	-382.966	0.55	3.947	21.102	9160.559	1.03
43053_3054	43053	3054	-61.831	420.506	-0.55	-3.947	-28.4	-14489.8	1.03
43054_3054	43054	3054	77.62	-463.44	0.551	-14.975	26.88	14489.7	1.03
43054_3055	43054	3055	-80.937	500.558	-0.551	14.975	-33.792	-20537.5	1.01
43055_3055	43055	3055	94.737	-498.13	0.493	16.65	37.184	20537.48	1.01
43055_3056	43055	3056	-99.355	537.5	-0.493	-16.65	-43.392	-27052	1
43056_3056	43056	3056	-2205.97	249.058	-8.047	-4.263	154.838	7942.983	1
43056_3057	43056	3057	2205.972	-223.303	8.047	4.263	-78.369	-5698.73	1
43057_3057	43057	3057	-2205.98	223.303	-5.204	3.182	78.369	5656.638	1
43057_3058	43057	3058	2205.981	-202.764	5.204	-3.182	-38.054	-4006.17	1
43058_3058	43058	3058	-2205.98	202.764	-5.204	3.182	38.054	4006.168	1
43058_3059	43058	3059	2205.981	-182.225	5.204	-3.182	2.262	-2514.82	1
43059_3059	43059	3059	-2206.01	137.246	-8.123	-1.017	-2.262	2514.846	1
43059_3060	43059	3060	2206.012	-116.018	8.123	1.017	67.306	-1500.83	1
43060_3060	43060	3060	-2206.02	116.018	-5.553	0.731	-67.306	1500.832	1
43060_3061	43060	3061	2206.02	-94.818	5.553	-0.731	111.712	-657.811	1
43061_3061	43061	3061	-2206.02	94.818	-5.553	0.731	-111.712	657.811	1
43061_3062	43061	3062	2206.02	-73.618	5.553	-0.731	156.119	15.675	1
43062_3062	43062	3062	-2206.01	30.194	-0.203	0.229	-156.119	-15.715	1
43062_3063	43062	3063	2206.012	-14.282	0.203	-0.229	157.34	149.189	1
43063_3063	43063	3063	-2206.01	14.282	-0.203	0.229	-157.34	-149.189	1
43063_3064	43063	3064	2206.012	1.629	0.203	-0.229	158.562	187.163	1
43064_3064	43064	3064	-2206.01	-1.629	-0.203	0.229	-158.562	-187.163	1
43064_3065	43064	3065	2206.012	17.54	0.203	-0.229	159.783	129.635	1
43065_3065	43065	3065	-2206.01	-17.54	3.238	0.027	-159.783	-129.635	1
43065_3066	43065	3066	2206.01	33.424	-3.238	-0.027	140.383	-23.04	1
43066_3066	43066	3066	-2206	-76.878	4.733	-1.063	-140.383	22.978	1
43066_3067	43066	3067	2206.002	98.099	-4.733	1.063	102.499	-723.327	1
43067_3067	43067	3067	-2206	-98.099	4.733	-1.063	-102.499	723.327	1
43067_3068	43067	3068	2206.002	119.321	-4.733	1.063	64.615	-1593.55	1
43068_3068	43068	3068	-2205.98	-119.321	10.073	2.795	-64.615	1593.55	1
43068_3069	43068	3069	2205.984	140.512	-10.073	-2.795	-15.904	-2632.08	1
43069_3069	43069	3069	-2206.05	-185.328	4.397	-6.425	15.904	2632.144	1
43069_3070	43069	3070	2206.051	205.883	-4.397	6.425	-49.999	-4148.8	1
43070_3070	43070	3070	-2206.04	-205.883	7.072	-1.394	49.999	4148.809	1

43070_3071	43070	3071	2206.044	226.41	-7.072	1.394	-104.761	-5822.45	1
43071_3071	43071	3071	-2206.03	-226.41	9.959	6.414	104.761	5864.548	1
43071_3072	43071	3072	2206.033	252.174	-9.959	-6.414	-199.423	-8139.11	1
43072_3072	43072	3072	93.844	530.574	-0.04	-8.081	27.304	27267.55	1
43072_3073	43072	3073	-89.226	-491.207	0.04	8.081	-26.803	-20840.5	1
43073_3073	43073	3073	75.626	493.484	-0.065	7.764	25.088	20840.52	1
43073_3074	43073	3074	-72.309	-456.374	0.065	-7.764	-24.273	-14882.7	1
43074_3074	43074	3074	57.171	421.086	-0.484	-0.684	24.956	14883.29	1
43074_3075	43074	3075	-54.877	-383.534	0.484	0.684	-18.533	-9544.79	1
43075_3075	43075	3075	38.844	303.745	-0.981	-2.128	13.169	-2996.18	1
43075_3076	43075	3076	-37.916	-275.422	0.981	2.128	-1.628	6401.851	1
43076_3076	43076	3076	31.608	237.832	0.603	8.322	1.463	-6402	1
43076_3077	43076	3077	-31.384	-218.178	-0.603	-8.322	-6.432	8281.105	1
43077_3077	43077	3077	28.901	218.521	0.545	-8.169	6.526	-8289.51	1
43077_3078	43077	3078	-28.901	-181.734	-0.545	8.169	-14.456	11201.04	1
43078_3078	43078	3078	28.896	143.491	-0.117	-0.381	14.456	-11201.3	1
43078_3079	43078	3079	-28.896	-115.087	0.117	0.381	-13.142	12653.63	1
43079_3079	43079	3079	28.896	115.087	-0.117	-0.381	13.142	-12653.6	1
43079_3080	43079	3080	-28.896	-86.684	0.117	0.381	-11.827	13786.88	1
43080_3080	43080	3080	28.895	53.01	-0.153	5.841	11.827	-13787.1	1
43080_3081	43080	3081	-28.895	-24.584	0.153	-5.841	-10.111	14223.26	1
43081_3081	43081	3081	28.895	24.584	-0.177	-6.223	10.111	-14223.3	1
43081_3082	43081	3082	-28.895	3.816	0.177	6.223	-8.121	14339.89	1
43082_3082	43082	3082	28.898	-39.924	0.058	5.964	8.121	-14340.1	1
43082_3083	43082	3083	-28.898	70.448	-0.058	-5.964	-8.827	13673.94	1
43083_3083	43083	3083	28.898	-70.448	0.033	-5.84	8.827	-13673.9	1
43083_3084	43083	3084	-28.898	100.997	-0.033	5.84	-9.231	12638.31	1
43084_3084	43084	3084	28.898	-137.158	0.025	5.427	9.231	-12638.5	1
43084_3085	43084	3085	-28.898	165.553	-0.025	-5.427	-9.515	10938.83	1
43085_3085	43085	3085	28.898	-165.553	-0.001	-4.705	9.515	-10938.8	1
43085_3086	43085	3086	-28.898	193.973	0.001	4.705	-9.498	8918.398	1
43086_3086	43086	3086	28.898	-228.655	-0.105	3.181	9.498	-8918.63	1
43086_3087	43086	3087	-28.898	257.073	0.105	-3.181	-8.322	6189.171	1
43087_3087	43087	3087	28.897	-257.073	-0.129	-2.111	8.322	-6189.17	1
43087_3088	43087	3088	-28.897	285.465	0.129	2.111	-6.869	3143.301	1
43088_3088	43088	3088	28.898	-322.2	-0.125	-0.028	6.869	-3143.35	1
43088_3089	43088	3089	-28.898	357.574	0.125	0.028	-5.123	-1611.56	1
43089_3089	43089	3089	32.956	-357.223	-0.149	1.296	5.138	1619.966	1
43089_3090	43089	3090	-33.192	378.033	0.149	-1.296	-3.91	-4655.04	1.03
43090_3090	43090	3090	42.56	-415.982	0.124	-4.374	3.754	4655.024	1.03
43090_3091	43090	3091	-43.541	445.881	-0.124	4.374	-5.212	-9719.52	1.02
43091_3091	43091	3091	58.039	-448.202	-0.119	4.43	9.423	10008.6	1.02
43091_3092	43091	3092	-60.29	485.129	0.119	-4.43	-7.839	-16200.6	1.01
43092_3092	43092	3092	77.794	-527.451	0.763	-8.212	6.853	16200.58	1.01
43092_3093	43092	3093	-81.051	563.995	-0.763	8.212	-16.433	-23050.6	1.01
43093_3093	43093	3093	96.641	-561.534	0.739	9.062	18.275	23050.62	1.01
43093_3094	43093	3094	-101.181	600.305	-0.739	-9.062	-27.575	-30356.8	1.01
43094_3094	43094	3094	-2406.03	226.753	-4.016	-7.796	11.004	8313.58	1.01
43094_3095	43094	3095	2406.028	-201.437	4.016	7.796	27.162	-6278.73	1
43095_3095	43095	3095	-2406.03	201.437	1.039	5.394	-27.162	6278.73	1
43095_3096	43095	3096	2406.032	-181.405	-1.039	-5.394	19.118	-4796.53	1
43096_3096	43096	3096	-2406.03	181.405	1.127	5.57	-19.118	4796.531	1
43096_3097	43096	3097	2406.032	-161.347	-1.127	-5.57	10.38	-3467.83	1
43097_3097	43097	3097	-2406.06	118.091	-2.967	-2.296	-10.38	3467.883	1
43097_3098	43097	3098	2406.062	-97.387	2.967	2.296	34.129	-2605.65	1
43098_3098	43098	3098	-2406.06	97.387	-0.041	0.874	-34.129	2605.646	1

43098_3099	43098	3099	2406.064	-76.708	0.041	-0.874	34.456	-1909.9	1
43099_3099	43099	3099	-2406.06	76.708	0.038	0.936	-34.456	1909.897	1
43099_3100	43099	3100	2406.064	-56.004	-0.038	-0.936	34.152	-1378.86	1
43100_3100	43100	3100	-2406.02	13.997	8.773	5.072	-34.152	1378.831	1
43100_3101	43100	3101	2406.016	1.531	-8.773	-5.072	-18.504	-1341.42	1
43101_3101	43101	3101	-2406.02	-1.531	8.773	5.072	18.504	1341.421	1
43101_3102	43101	3102	2406.016	17.058	-8.773	-5.072	-71.161	-1397.21	1
43102_3102	43102	3102	-2406.01	-17.058	-11.393	-6.639	71.161	1397.199	1
43102_3103	43102	3103	2406.005	32.564	11.393	6.639	-2.876	-1545.9	1
43103_3103	43103	3103	-2406.02	-32.564	-7.254	-3.98	2.876	1545.909	1
43103_3104	43103	3104	2406.021	48.094	7.254	3.98	40.669	-1788	1
43104_3104	43104	3104	-2406.02	-90.086	-1.567	-2.211	-40.669	1788.007	1
43104_3105	43104	3105	2406.016	110.793	1.567	2.211	53.215	-2591.92	1
43105_3105	43105	3105	-2406.02	-110.793	1.347	0.928	-53.215	2591.915	1
43105_3106	43105	3106	2406.017	131.473	-1.347	-0.928	42.448	-3560.21	1
43106_3106	43106	3106	-2406.02	-131.473	1.437	1.062	-42.448	3560.206	1
43106_3107	43106	3107	2406.017	152.18	-1.437	-1.062	30.945	-4695.33	1
43107_3107	43107	3107	-2406.03	-195.393	0.325	-3.521	-30.945	4695.387	1
43107_3108	43107	3108	2406.03	215.451	-0.325	3.521	28.426	-6288.05	1
43108_3108	43108	3108	-2406.03	-215.451	0.237	-3.752	-28.426	6288.048	1
43108_3109	43108	3109	2406.03	235.483	-0.237	3.752	26.594	-8033.87	1
43109_3109	43109	3109	-2406.03	-235.483	2.774	4.72	-26.594	8033.869	1
43109_3110	43109	3110	2406.029	260.797	-2.774	-4.72	0.232	-10392.1	1.01
43110_3110	43110	3110	106.724	557.31	-0.499	-21.706	26.004	32893.22	1.01
43110_3111	43110	3111	-102.184	-518.545	0.499	21.706	-19.723	-26128.9	1.01
43111_3111	43111	3111	87.783	521.176	-0.566	19.919	15.356	26128.91	1.01
43111_3112	43111	3112	-84.526	-484.639	0.566	-19.919	-8.25	-19817.7	1.02
43112_3112	43112	3112	68.631	449.606	-0.128	-3.74	10.233	19818.19	1.02
43112_3113	43112	3113	-66.381	-412.663	0.128	3.74	-8.537	-14095.2	1.03
43113_3113	43113	3113	49.583	331.787	-0.499	0.404	19.985	1485.826	1.03
43113_3114	43113	3114	-48.612	-302.199	0.499	-0.404	-14.122	2238.143	1.05
43114_3114	43114	3114	41.681	264.238	-0.311	-0.474	14.134	-2238.2	1.05
43114_3115	43114	3115	-41.447	-243.648	0.311	0.474	-11.569	4333.757	1.1
43115_3115	43115	3115	38.676	244.103	-0.308	-0.332	11.563	-4344.88	1.1
43115_3116	43115	3116	-38.676	-209.957	0.308	0.332	-7.101	7637.519	1
43116_3116	43116	3116	38.676	173.605	0.043	7.974	7.101	-7637.49	1
43116_3117	43116	3117	-38.676	-147.137	-0.043	-7.974	-7.586	9440.371	1
43117_3117	43117	3117	38.676	147.137	-0.025	-8.676	7.586	-9440.37	1
43117_3118	43117	3118	-38.676	-120.693	0.025	8.676	-7.304	10944.45	1
43118_3118	43118	3118	38.675	87.355	-0.028	10.291	7.304	-10944.5	1
43118_3119	43118	3119	-38.675	-60.911	0.028	-10.291	-6.988	11777.15	1
43119_3119	43119	3119	38.675	60.911	-0.097	-10.678	6.988	-11777.1	1
43119_3120	43119	3120	-38.675	-34.468	0.097	10.678	-5.898	12312.77	1
43120_3120	43120	3120	38.675	-0.385	-0.182	4.99	5.898	-12312.7	1
43120_3121	43120	3121	-38.675	28.806	0.182	-4.99	-3.705	12136.52	1
43121_3121	43121	3121	38.675	-28.806	-0.214	-5.063	3.705	-12136.5	1
43121_3122	43121	3122	-38.675	57.226	0.214	5.063	-1.124	11617.27	1
43122_3122	43122	3122	38.674	-92.469	-0.101	4.839	1.124	-11617.3	1
43122_3123	43122	3123	-38.674	118.911	0.101	-4.839	0.01	10430.29	1
43123_3123	43123	3123	38.674	-118.911	-0.136	-4.547	-0.01	-10430.3	1
43123_3124	43123	3124	-38.674	145.376	0.136	4.547	1.537	8944.916	1
43124_3124	43124	3124	38.674	-179.558	-0.194	6.319	-1.537	-8944.92	1
43124_3125	43124	3125	-38.674	205.999	0.194	-6.319	3.715	6779.915	1
43125_3125	43125	3125	38.674	-205.999	-0.263	-5.755	-3.715	-6779.92	1
43125_3126	43125	3126	-38.674	232.44	0.263	5.755	6.666	4318	1
43126_3126	43126	3126	38.674	-269.436	-0.019	0.444	-6.666	-4317.98	1

43126_3127	43126	3127	-38.674	301.952	0.019	-0.444	6.924	372.447	1.06
43127_3127	43127	3127	42.102	-301.493	-0.064	0.102	-6.923	-361.329	1.06
43127_3128	43127	3128	-42.317	320.397	0.064	-0.102	7.453	-2204.12	1.06
43128_3128	43128	3128	50.536	-360.935	-0.249	-4.687	-7.612	2204.043	1.06
43128_3129	43128	3129	-51.428	388.145	0.249	4.687	10.542	-6606.86	1.06
43129_3129	43129	3129	66.652	-391.762	0.487	9.514	-9.241	7041.876	1.06
43129_3130	43129	3130	-68.831	427.532	-0.487	-9.514	2.776	-12478.1	1.03
43130_3130	43130	3130	84.747	-469.758	-0.845	-5.85	-3.884	12478.04	1.03
43130_3131	43130	3131	-87.906	505.187	0.845	5.85	14.483	-18593.6	1.03
43131_3131	43131	3131	105.89	-501.725	-0.874	7.358	-13.093	18593.59	1.03
43131_3132	43131	3132	-110.302	536.939	0.874	-7.358	23.38	-24704.5	1.03
43132_3132	43132	3132	-2172.96	208.807	26.488	15.115	-325.805	6218.245	1.03
43132_3133	43132	3133	2172.959	-182.276	-26.488	-15.115	52.978	-4204.17	1
43133_3133	43133	3133	-2172.99	182.276	23.684	9.69	-52.978	4204.187	1
43133_3134	43133	3134	2172.991	-164.025	-23.684	-9.69	-130.575	-2862.27	1
43134_3134	43134	3134	-2173.12	164.025	-1.442	-23.404	130.575	2862.191	1
43134_3135	43134	3135	2173.12	-145.702	1.442	23.404	-119.356	-1657.25	1
43135_3135	43135	3135	-2173.2	104.249	-2.825	-0.268	119.356	1657.69	1
43135_3136	43135	3136	2173.2	-85.407	2.825	0.268	-96.752	-898.964	1
43136_3136	43136	3136	-2173.2	85.407	-2.825	-0.268	96.752	898.964	1
43136_3137	43136	3137	2173.2	-66.565	2.825	0.268	-74.148	-290.993	1
43137_3137	43137	3137	-2173.2	66.565	-0.15	0.09	74.148	290.993	1
43137_3138	43137	3138	2173.202	-47.747	0.15	-0.09	-72.949	165.738	1
43138_3138	43138	3138	-2173.2	7.857	-3.226	0.017	72.949	-165.806	1
43138_3139	43138	3139	2173.203	6.275	3.226	-0.017	-53.588	170.553	1
43139_3139	43139	3139	-2173.2	-6.275	-3.226	0.017	53.588	-170.553	1
43139_3140	43139	3140	2173.203	20.406	3.226	-0.017	-34.227	90.5	1
43140_3140	43140	3140	-2173.21	-20.406	0.395	-0.134	34.227	-90.499	1
43140_3141	43140	3141	2173.206	34.537	-0.395	0.134	-36.596	-74.349	1
43141_3141	43141	3141	-2173.2	-34.537	-3.226	-0.258	36.596	74.349	1
43141_3142	43141	3142	2173.203	48.669	3.226	0.258	-17.235	-324.002	1
43142_3142	43142	3142	-2173.2	-89.576	-2.311	-0.124	17.235	323.938	1
43142_3143	43142	3143	2173.204	108.418	2.311	0.124	1.253	-1116.02	1
43143_3143	43143	3143	-2173.21	-108.418	0.405	1.271	-1.253	1116.021	1
43143_3144	43143	3144	2173.205	127.26	-0.405	-1.271	-1.988	-2058.84	1
43144_3144	43144	3144	-2173.2	-127.26	-2.311	-1.302	1.988	2058.839	1
43144_3145	43144	3145	2173.204	146.102	2.311	1.302	16.501	-3152.43	1
43145_3145	43145	3145	-2173.18	-190.209	-2.636	1.919	-16.501	3152.44	1
43145_3146	43145	3146	2173.176	208.462	2.636	-1.919	36.932	-4697.48	1
43146_3146	43146	3146	-2173.17	-208.462	-5.439	-4.14	-36.932	4697.473	1
43146_3147	43146	3147	2173.171	226.715	5.439	4.14	79.093	-6384.02	1
43147_3147	43147	3147	-2173.18	-226.715	-3.3	2.145	-79.093	6384.021	1
43147_3148	43147	3148	2173.176	251.188	3.3	-2.145	110.447	-8654.35	1
43148_3148	43148	3148	113.667	492.671	-0.03	-0.684	-5.084	28132.26	1
43148_3149	43148	3149	-109.254	-455.01	0.03	0.684	5.466	-22175.4	1
43149_3149	43149	3149	96.607	457.862	-0.031	-0.249	-5.508	22175.44	1
43149_3150	43149	3150	-93.448	-422.429	0.031	0.249	5.897	-16653.1	1
43150_3150	43150	3150	79.249	386.808	-1.04	-0.346	-5.886	16653.09	1
43150_3151	43150	3151	-77.07	-351.034	1.04	0.346	19.693	-11756.9	1
43151_3151	43151	3151	61.669	259.26	-0.162	-0.261	-4.51	-282.179	1
43151_3152	43151	3152	-60.752	-231.303	0.162	0.261	6.418	3165.713	1
43152_3152	43152	3152	55.31	191.28	0.112	-1.087	-6.411	-3165.71	1
43152_3153	43152	3153	-55.089	-171.853	-0.112	1.087	5.487	4663.861	1
43153_3153	43153	3153	53.133	172.468	0.125	0.161	-5.499	-4663.86	1
43153_3154	43153	3154	-53.133	-141.114	-0.125	-0.161	3.776	6818.442	1
43154_3154	43154	3154	53.133	102.999	0.135	3.426	-3.776	-6818.43	1

43154_3155	43154	3155	-53.133	-77.898	-0.135	-3.426	2.295	7813.496	1
43155_3155	43155	3155	53.133	77.898	0.086	-3.675	-2.295	-7813.5	1
43155_3156	43155	3156	-53.133	-52.796	-0.086	3.675	1.347	8532.396	1
43156_3156	43156	3156	53.133	18.61	0.143	-0.006	-1.347	-8532.41	1
43156_3157	43156	3157	-53.133	4.233	-0.143	0.006	-0.088	8604.378	1
43157_3157	43157	3157	53.133	-4.233	0.143	-0.006	0.088	-8604.38	1
43157_3158	43157	3158	-53.133	27.075	-0.143	0.006	-1.522	8447.662	1
43158_3158	43158	3158	53.135	-58.072	0.028	0.185	1.522	-8447.61	1
43158_3159	43158	3159	-53.135	80.915	-0.028	-0.185	-1.802	7751.889	1
43159_3159	43159	3159	53.135	-80.915	0.027	0.062	1.802	-7751.89	1
43159_3160	43159	3160	-53.135	103.78	-0.027	-0.062	-2.073	6826.448	1
43160_3160	43160	3160	53.135	-138.313	0.072	2.606	2.073	-6826.48	1
43160_3161	43160	3161	-53.135	163.392	-0.072	-2.606	-2.859	5168.389	1
43161_3161	43161	3161	53.135	-163.392	0.022	-2.168	2.859	-5168.39	1
43161_3162	43161	3162	-53.135	188.494	-0.022	2.168	-3.106	3232.787	1
43162_3162	43162	3162	53.134	-227.537	0.116	0.323	3.106	-3232.78	1
43162_3163	43162	3163	-53.134	258.914	-0.116	-0.323	-4.704	-112.004	1.01
43163_3163	43163	3163	56.075	-258.293	0.169	0.159	4.707	112.004	1.01
43163_3164	43163	3164	-56.296	277.697	-0.169	-0.159	-6.098	-2320.69	1.01
43164_3164	43164	3164	63.638	-319.386	0.021	1.709	6.155	2320.592	1.01
43164_3165	43164	3165	-64.555	347.342	-0.021	-1.709	-6.401	-6239.73	1.01
43165_3165	43165	3165	79.542	-352.072	-0.268	-1.916	5.386	6789.819	1.01
43165_3166	43165	3166	-81.75	388.313	0.268	1.916	-1.823	-11702.9	1.01
43166_3166	43166	3166	97.097	-436.19	0.207	0.096	1.953	11702.98	1.01
43166_3167	43166	3167	-100.295	472.063	-0.207	-0.096	-4.547	-17400.8	1.01
43167_3167	43167	3167	113.291	-469.114	0.207	-0.03	4.548	17400.77	1.01
43167_3168	43167	3168	-117.755	507.245	-0.207	0.03	-7.15	-23542.8	1
43168_3168	43168	3168	-2080.78	232.402	-1.97	-3.846	11.787	6357.178	1
43168_3169	43168	3169	2080.784	-207.594	1.97	3.846	6.928	-4266.9	1
43169_3169	43169	3169	-2080.79	207.594	0.856	1.948	-6.928	4266.904	1
43169_3170	43169	3170	2080.785	-188.837	-0.856	-1.948	0.295	-2730.55	1
43170_3170	43170	3170	-2080.79	188.837	0.856	1.948	-0.295	2730.55	1
43170_3171	43170	3171	2080.785	-170.081	-0.856	-1.948	-6.339	-1339.58	1
43171_3171	43171	3171	-2080.79	123.196	-0.431	-0.065	6.339	1339.654	1
43171_3172	43171	3172	2080.788	-103.859	0.431	0.065	-2.892	-432.448	1
43172_3172	43172	3172	-2080.79	103.859	-0.389	-0.056	2.892	432.448	1
43172_3173	43172	3173	2080.788	-84.497	0.389	0.056	0.22	321.076	1
43173_3173	43173	3173	-2080.79	84.497	-0.389	-0.056	-0.22	-321.076	1
43173_3174	43173	3174	2080.788	-65.136	0.389	0.056	3.331	919.686	1
43174_3174	43174	3174	-2080.78	21.527	1.842	-0.82	-3.331	-919.752	1
43174_3175	43174	3175	2080.781	-7.006	-1.842	0.82	-7.722	1005.362	1
43175_3175	43175	3175	-2080.78	7.006	-1.625	0.855	7.722	-1005.36	1
43175_3176	43175	3176	2080.781	7.515	1.625	-0.855	2.031	1003.835	1
43176_3176	43176	3176	-2080.78	-7.515	1.842	-0.818	-2.031	-1003.84	1
43176_3177	43176	3177	2080.781	22.036	-1.842	0.818	-9.022	915.172	1
43177_3177	43177	3177	-2080.78	-22.036	-1.625	0.707	9.022	-915.172	1
43177_3178	43177	3178	2080.781	36.557	1.625	-0.707	0.73	739.367	1
43178_3178	43178	3178	-2080.79	-80.432	-0.375	-0.346	-0.73	-739.378	1
43178_3179	43178	3179	2080.788	99.794	0.375	0.346	3.731	18.38	1
43179_3179	43179	3179	-2080.79	-99.794	-0.375	-0.346	-3.731	-18.38	1
43179_3180	43179	3180	2080.788	119.155	0.375	0.346	6.733	-857.532	1
43180_3180	43180	3180	-2080.79	-119.155	2.225	0.725	-6.733	857.531	1
43180_3181	43180	3181	2080.787	138.517	-2.225	-0.725	-11.071	-1888.34	1
43181_3181	43181	3181	-2080.77	-185.686	-2.594	-2.606	11.071	1888.427	1
43181_3182	43181	3182	2080.766	204.419	2.594	2.606	9.008	-3398.35	1
43182_3182	43182	3182	-2080.77	-204.419	0.135	1.851	-9.008	3398.348	1

43182_3183	43182	3183	2080.768	223.175	-0.135	-1.851	7.958	-5055.47	1
43183_3183	43183	3183	-2080.77	-223.175	-0.5	0.307	-7.958	5055.474	1
43183_3184	43183	3184	2080.768	247.983	0.5	-0.307	12.71	-7293.76	1.02
43184_3184	43184	3184	113.093	488.941	-0.173	-0.352	-0.846	24701.78	1.02
43184_3185	43184	3185	-108.629	-450.81	0.173	0.352	3.028	-18790.2	1.03
43185_3185	43185	3185	96.141	453.638	-0.173	-0.268	-3.037	18790.16	1.03
43185_3186	43185	3186	-92.942	-417.764	0.173	0.268	5.213	-13323.6	1.04
43186_3186	43186	3186	78.59	377.705	-0.185	-0.699	-5.184	13323.59	1.04
43186_3187	43186	3187	-76.382	-341.464	0.185	0.699	7.636	-8551.33	1.08
43187_3187	43187	3187	54.028	249.548	-0.234	0.097	1.905	-3405.34	1.08
43187_3188	43187	3188	-53.069	-220.326	0.234	-0.097	0.842	6167.253	1.08
43188_3188	43188	3188	47.837	177.887	0.082	-1.459	-0.822	-6167.24	1.08
43188_3189	43188	3189	-47.607	-157.571	-0.082	1.459	0.146	7551.206	1
43189_3189	43189	3189	45.813	158.102	0.094	0.447	-0.162	-7544.41	1
43189_3190	43189	3190	-45.813	-123.866	-0.094	-0.447	-1.124	9481.777	1
43190_3190	43190	3190	45.814	82.659	0.042	-0.234	1.124	-9481.84	1
43190_3191	43190	3191	-45.814	-55.25	-0.042	0.234	-1.581	10240.44	1
43191_3191	43191	3191	45.814	55.25	0.042	-0.234	1.581	-10240.4	1
43191_3192	43191	3192	-45.814	-27.842	-0.042	0.234	-2.037	10697.5	1
43192_3192	43192	3192	45.813	-9.223	0.113	-0.073	2.037	-10697.4	1
43192_3193	43192	3193	-45.813	34.314	-0.113	0.073	-3.171	10478.19	1
43193_3193	43193	3193	45.813	-34.314	0.113	-0.073	3.171	-10478.2	1
43193_3194	43193	3194	-45.813	59.404	-0.113	0.073	-4.304	10006.26	1
43194_3194	43194	3194	45.816	-93.314	-0.043	0.13	4.304	-10006.3	1
43194_3195	43194	3195	-45.816	118.405	0.043	-0.13	-3.869	8940.121	1
43195_3195	43195	3195	45.816	-118.405	-0.043	0.13	3.869	-8940.12	1
43195_3196	43195	3196	-45.816	143.496	0.043	-0.13	-3.435	7621.287	1
43196_3196	43196	3196	45.814	-180.406	0.02	-2.161	3.435	-7621.29	1
43196_3197	43196	3197	-45.814	207.789	-0.02	2.161	-3.656	5487.905	1
43197_3197	43197	3197	45.814	-207.789	0.061	2.75	3.656	-5487.91	1
43197_3198	43197	3198	-45.814	235.197	-0.061	-2.75	-4.329	3051.158	1
43198_3198	43198	3198	45.814	-276.459	0.027	0.332	4.329	-3051.19	1
43198_3199	43198	3199	-45.814	310.72	-0.027	-0.332	-4.704	-986.185	1.03
43199_3199	43199	3199	49.411	-310.168	0.016	0.521	4.711	973.001	1.03
43199_3200	43199	3200	-49.656	331.325	-0.016	-0.521	-4.844	-3619.61	1.03
43200_3200	43200	3200	58.349	-374.468	0.684	-0.553	4.822	3619.621	1.03
43200_3201	43200	3201	-59.365	404.863	-0.684	0.553	-12.856	-8197	1.03
43201_3201	43201	3201	74.869	-409.548	0.373	1.58	17.731	8757.272	1.03
43201_3202	43201	3202	-77.371	450.057	-0.373	-1.58	-22.684	-14462.1	1.02
43202_3202	43202	3202	94.557	-497.56	0.489	0.518	22.682	14462.1	1.02
43202_3203	43202	3203	-98.156	537.458	-0.489	-0.518	-28.823	-20956	1.01
43203_3203	43203	3203	112.99	-534.537	0.489	-0.28	28.826	20956.01	1.01
43203_3204	43203	3204	-117.972	576.692	-0.489	0.28	-34.985	-27947.7	1.01
43204_3204	43204	3204	2348.356	-229.105	-1.335	-2.035	-32.675	-5648.39	1
43204_3205	43204	3205	-2348.36	229.105	-0.977	-3.406	32.675	5360.517	1
43205_3205	43205	3205	2348.357	-207.853	0.977	3.406	-25.101	-3667.07	1
43205_3206	43205	3206	-2348.36	207.853	2.052	1.325	25.101	3667.068	1
43206_3206	43206	3206	2348.356	-186.601	-2.052	-1.325	-41.007	-2138.38	1
43206_3207	43206	3207	-2348.23	136.108	-5.116	-0.248	41.007	2138.448	1
43207_3207	43207	3207	2348.229	-114.17	5.116	0.248	-0.074	-1137.21	1
43207_3208	43207	3208	-2348.23	114.17	-5.164	-0.272	0.074	1137.207	1
43208_3208	43208	3208	2348.228	-92.26	5.164	0.272	41.189	-312.412	1
43208_3209	43208	3209	-2348.23	92.26	-2.181	0.125	-41.189	312.412	1
43209_3209	43209	3209	2348.233	-70.322	2.181	-0.125	58.643	337.989	1
43209_3210	43209	3210	-2348.3	20.926	-2.744	0.143	-58.643	-338.102	1

43210_3211	43210	3211	2348.295	-4.473	2.744	-0.143	75.11	414.308	1
43211_3211	43211	3211	-2348.3	4.473	-2.744	0.143	-75.11	-414.308	1
43211_3212	43211	3212	2348.295	11.981	2.744	-0.143	91.578	391.781	1
43212_3212	43212	3212	-2348.3	-11.981	1.169	-0.51	-91.578	-391.78	1
43212_3213	43212	3213	2348.296	28.434	-1.169	0.51	84.566	270.523	1
43213_3213	43213	3213	-2348.3	-28.434	-2.744	-0.059	-84.566	-270.524	1
43213_3214	43213	3214	2348.295	44.887	2.744	0.059	101.034	50.531	1
43214_3214	43214	3214	-2348.38	-94.505	5.376	0.627	-101.034	-50.525	1
43214_3215	43214	3215	2348.384	116.442	-5.376	-0.627	58.017	-793.36	1
43215_3215	43215	3215	-2348.39	-116.442	2.442	-0.365	-58.017	793.36	1
43215_3216	43215	3216	2348.389	138.38	-2.442	0.365	38.481	-1812.78	1
43216_3216	43216	3216	-2348.39	-138.38	2.442	-0.365	-38.481	1812.784	1
43216_3217	43216	3217	2348.389	160.318	-2.442	0.365	18.945	-3007.73	1
43217_3217	43217	3217	-2348.34	-210.526	2.248	-5.392	-18.945	3007.649	1
43217_3218	43217	3218	2348.338	231.777	-2.248	5.392	1.519	-4721.78	1
43218_3218	43218	3218	-2348.34	-231.777	-0.781	-11.483	-1.519	4721.768	1
43218_3219	43218	3219	2348.339	253.03	0.781	11.483	7.573	-6600.66	1
43219_3219	43219	3219	-2348.32	-253.03	8.914	16.86	-7.573	6888.516	1
43219_3220	43219	3220	2348.322	280.866	-8.914	-16.86	-77.025	-9422.06	1
43220_3220	43220	3220	111.445	559.779	-1.293	-37.4	38.097	29768.32	1
43220_3221	43220	3221	-106.463	-517.628	1.293	37.4	-21.822	-22990.2	1
43221_3221	43221	3221	92.093	520.376	-1.437	35.281	14.169	22990.25	1
43221_3222	43221	3222	-88.494	-480.482	1.437	-35.281	3.865	-16711.5	1.01
43222_3222	43222	3222	72.156	439.205	3.317	-2.908	-0.501	16710.9	1.01
43222_3223	43222	3223	-69.654	-398.702	-3.317	2.908	-43.538	-11150.9	1.01
43223_3223	43223	3223	40.207	299.749	-0.173	-3.25	0.807	-1519.04	1.01
43223_3224	43223	3224	-39.138	-267.744	0.173	3.25	1.232	4854.534	1.04
43224_3224	43224	3224	32.746	221.816	0.39	17.27	-1.54	-4854.59	1.04
43224_3225	43224	3225	-32.488	-199.547	-0.39	-17.27	-1.681	6592.82	1
43225_3225	43225	3225	30.176	199.91	0.25	-13.469	1.881	-6588.62	1
43225_3226	43225	3226	-30.176	-155.36	-0.25	13.469	-5.862	9418.549	1
43226_3226	43226	3226	30.172	107.643	0.629	21.783	5.862	-9417.76	1
43226_3227	43226	3227	-30.172	-73.803	-0.629	-21.783	-13.474	10515.64	1
43227_3227	43227	3227	30.174	73.803	0.504	-21.829	13.474	-10515.6	1
43227_3228	43227	3228	-30.174	-39.988	-0.504	21.829	-19.568	11203.65	1
43228_3228	43228	3228	30.171	-4.759	0.63	22.777	19.568	-11201.7	1
43228_3229	43228	3229	-30.171	38.576	-0.63	-22.777	-27.186	10939.68	1
43229_3229	43229	3229	30.173	-38.576	0.505	-22.437	27.186	-10939.7	1
43229_3230	43229	3230	-30.173	72.397	-0.505	22.437	-33.297	10268.6	1
43230_3230	43230	3230	30.191	-117.462	-0.082	18.01	33.297	-10266.1	1
43230_3231	43230	3231	-30.191	151.761	0.082	-18.01	-32.295	8615.038	1
43231_3231	43231	3231	30.191	-151.761	-0.206	-17.329	32.295	-8615.04	1
43231_3232	43231	3232	-30.191	186.036	0.206	17.329	-29.776	6544.817	1
43232_3232	43232	3232	30.127	-236.173	1.646	5.667	29.776	-6543.12	1
43232_3233	43232	3233	-30.127	258.085	-1.646	-5.667	-42.67	4606.683	1
43233_3233	43233	3233	30.128	-258.085	1.627	2.852	42.67	-4606.69	1
43233_3234	43233	3234	-30.128	278.934	-1.627	-2.852	-54.802	2604.777	1
43234_3234	43234	3234	33.407	-278.56	1.542	-5.163	54.745	-2604.78	1
43234_3235	43234	3235	-33.704	303.894	-1.542	5.163	-68.419	22.142	1.03
43235_3235	43235	3235	39.972	-351.095	1.516	-3.859	68.394	-22.048	1.03
43235_3236	43235	3236	-40.443	367.933	-1.516	3.859	-77.287	-2087.56	1.02
43236_3236	43236	3236	51.91	-372.244	3.626	-3.02	137.492	2733.539	1.02
43236_3237	43236	3237	-52.543	388.042	-3.626	3.02	-156.599	-4736.73	1.01
43237_3237	43237	3237	59.166	-387.088	3.519	8.023	157.309	4736.697	1.01
43237_3238	43237	3238	-61.184	422.398	-3.519	-8.023	-192.206	-8750.21	1.01
43238_3238	43238	3238	73.969	-461.548	-1.378	-14.798	190.862	8747.63	1.01

43238_3239	43238	3239	-76.952	499.18	1.378	14.798	-176.661	-13697.2	1.01
43239_3239	43239	3239	88.44	-497.273	-1.465	13.02	179.543	13697.18	1.01
43239_3240	43239	3240	-92.628	538.115	1.465	-13.02	-163.701	-19293	1
43240_3240	43240	3240	108.903	-559.925	-40.087	-32.21	158.782	19284.93	1
43240_3241	43240	3241	-112.433	588.756	40.087	32.21	136.929	-23521.1	1
43241_3241	43241	3241	-2299.69	320.79	-14.85	4.34	426.431	6636.491	1
43241_3242	43241	3242	2299.687	-287.94	14.85	-4.34	-285.411	-3746.08	1
43242_3242	43242	3242	-2299.73	287.94	-6.621	17.744	285.411	3746.041	1
43242_3243	43242	3243	2299.725	-261.782	6.621	-17.744	-234.596	-1636.48	1
43243_3243	43243	3243	-2297.43	205.032	-36.529	0.001	234.596	1635.049	1
43243_3244	43243	3244	2297.426	-172.585	36.529	-0.001	113.167	162.444	1
43244_3244	43244	3244	-2297.5	172.585	-31.503	-0.355	-113.167	-162.444	1
43244_3245	43244	3245	2297.501	-138.152	31.503	0.355	431.441	1732.115	1
43245_3245	43245	3245	-2298.23	90.705	-13.552	5.206	-431.441	-1731.36	1
43245_3246	43245	3246	2298.231	-56.812	13.552	-5.206	566.214	2464.869	1
43246_3246	43246	3246	-2298.27	56.812	-4.3	-4.717	-566.214	-2464.87	1
43246_3247	43246	3247	2298.267	-23.831	4.3	4.717	607.828	2855.053	1
43247_3247	43247	3247	-2298.25	-25.816	-0.618	4.99	-607.828	-2854.28	1
43247_3248	43247	3248	2298.247	57.126	0.618	-4.99	613.509	2473.302	1
43248_3248	43248	3248	-2298.24	-57.126	7.122	-3.34	-613.509	-2473.31	1
43248_3249	43248	3249	2298.236	92.684	-7.122	3.34	539.207	1691.816	1
43249_3249	43249	3249	-2296.8	-134.315	-18.02	-0.192	-539.207	-1691.46	1
43249_3250	43249	3250	2296.795	169.163	18.02	0.192	723.45	139.998	1
43250_3250	43250	3250	-2296.84	-169.163	-11.303	-0.601	-723.45	-139.997	1
43250_3251	43250	3251	2296.838	201.214	11.303	0.601	829.741	-1601.53	1
43251_3251	43251	3251	-2300.22	-240.676	77.78	-10.468	-829.741	1600.887	1
43251_3252	43251	3252	2300.215	269.314	-77.78	10.468	176.186	-3743.52	1
43252_3252	43252	3252	-2299.94	-269.314	85.457	2.027	-176.186	3743.531	1
43252_3253	43252	3253	2299.942	298.029	-85.457	-2.027	-543.811	-6133.53	1
43253_3253	43253	3253	-2299.83	-298.029	88.371	9.799	543.811	6133.526	1
43253_3254	43253	3254	2299.832	324.536	-88.371	-9.799	-1220.99	-8518.87	1
43254_3254	43254	3254	-2295.3	-353.343	-38.791	-104.097	1220.994	8514.473	1
43254_3255	43254	3255	2295.301	364.636	38.791	104.097	-1094.35	-9686.48	1.01
43255_3255	43255	3255	116.672	514.185	-55.329	-7.115	837.744	26639.36	1.01
43255_3256	43255	3256	-111.324	-474.367	55.329	7.115	-268.478	-21555.5	1.01
43256_3256	43256	3256	93.138	478.253	-55.478	50.79	261.485	21555.57	1.01
43256_3257	43256	3257	-90.197	-447.619	55.478	-50.79	193.315	-17761.1	1.02
43257_3257	43257	3257	76.367	408.768	14.079	-29.407	-185.881	17757.27	1.02
43257_3258	43257	3258	-73.63	-372.806	-14.079	29.407	46.638	-13893.1	1.03
43258_3258	43258	3258	66.174	374.206	13.981	1.504	-48.895	13893.12	1.03
43258_3259	43258	3259	-64.459	-343.563	-13.981	-1.504	-71.632	-10799.7	1.04
43259_3259	43259	3259	59.649	344.437	13.841	33.994	70.245	10799.68	1.04
43259_3260	43259	3260	-59.253	-334.948	-13.841	-33.994	-113.998	-9725.88	1.04
43260_3260	43260	3260	76.14	297.575	-0.397	15.924	27.922	-2788.79	1.04
43260_3261	43260	3261	-75.425	-274.423	0.397	-15.924	-24.943	4932.948	1.04
43261_3261	43261	3261	70.347	275.768	-0.539	4.997	25.362	-4932.97	1.04
43261_3262	43261	3262	-69.991	-247.056	0.539	-4.997	-20.322	7376.472	1
43262_3262	43262	3262	66.922	247.905	-0.767	-20.59	20.382	-7393.4	1
43262_3263	43262	3263	-66.922	-224.763	0.767	20.59	-14.504	9203.619	1
43263_3263	43263	3263	66.89	168.117	1.752	15.135	14.504	-9202.8	1
43263_3264	43263	3264	-66.89	-134.078	-1.752	-15.135	-34.24	10905.13	1
43264_3264	43264	3264	66.895	134.078	1.581	-12.711	34.24	-10905.1	1
43264_3265	43264	3265	-66.895	-98.477	-1.581	12.711	-52.868	12275.29	1
43265_3265	43265	3265	66.902	49.836	0.988	24.548	52.868	-12274.8	1
43265_3266	43265	3266	-66.902	-14.734	-0.988	-24.548	-64.347	12649.86	1
43266_3266	43266	3266	66.905	14.734	0.735	-23.29	64.347	-12649.9	1

43266_3267	43266	3267	-66.905	19.806	-0.735	23.29	-72.75	12620.87	1
43267_3267	43267	3267	66.908	-67.968	0.837	16.926	72.75	-12621	1
43267_3268	43267	3268	-66.908	103.041	-0.837	-16.926	-82.461	11628.38	1
43268_3268	43268	3268	66.91	-103.041	0.649	-15.626	82.461	-11628.4	1
43268_3269	43268	3269	-66.91	137.608	-0.649	15.626	-89.89	10251.7	1
43269_3269	43269	3269	66.91	-188.476	0.268	14.987	89.89	-10252.2	1
43269_3270	43269	3270	-66.91	225.35	-0.268	-14.987	-93.158	7726.894	1
43270_3270	43270	3270	66.911	-225.35	0.012	-14.5	93.158	-7726.9	1
43270_3271	43270	3271	-66.911	261.878	-0.012	14.5	-93.308	4781.575	1
43271_3271	43271	3271	66.959	-316.721	4.974	5.28	93.308	-4781.71	1
43271_3272	43271	3272	-66.959	337.662	-4.974	-5.28	-127.783	2513.927	1.05
43272_3272	43272	3272	71.153	-336.805	4.819	-3.35	127.751	-2496.96	1.05
43272_3273	43272	3273	-71.535	367.622	-4.819	3.35	-173.244	-828.06	1.05
43273_3273	43273	3273	78.678	-366.162	4.609	-4.127	173.228	828.06	1.05
43273_3274	43273	3274	-79.54	393.231	-4.609	4.127	-211.186	-3954.71	1.05
43274_3274	43274	3274	85.293	-438.188	-25.701	-16.683	210.689	3955.076	1.05
43274_3275	43274	3275	-85.624	445.893	25.701	16.683	-150.842	-4984.42	1.05
43275_3275	43275	3275	90.957	-444.832	-25.757	-11.876	150.995	4990.668	1.05
43275_3276	43275	3276	-92.75	477.413	25.757	11.876	72.386	-8989.42	1.03
43276_3276	43276	3276	101.706	-475.575	-25.948	15.397	-70.68	8989.425	1.03
43276_3277	43276	3277	-104.184	509.038	25.948	-15.397	296.888	-13280.6	1.02
43277_3277	43277	3277	106.832	-629.371	46.863	-76.471	-781.435	30732.48	1.02
43277_3278	43277	3278	-110.794	671.08	-46.863	76.471	291.39	-37530.4	1.02
43278_3278	43278	3278	133.524	-666.937	46.763	13.272	-283.49	37530.54	1.02
43278_3279	43278	3279	-138.699	706.979	-46.763	-13.272	-168.362	-44166.9	1.02
43279_3279	43279	3279	-3335.22	473.038	27.505	142.428	536.78	14685.89	1.02
43279_3280	43279	3280	3335.217	-457.844	-27.505	-142.428	-650.232	-12766	1
43280_3280	43280	3280	-3335.99	352.503	-77.652	-32.617	650.232	12767.32	1
43280_3281	43280	3281	3335.989	-329.394	77.652	32.617	-163.087	-10628.4	1
43281_3281	43281	3281	-3336.22	329.394	-66.987	-4.518	163.087	10921.19	1
43281_3282	43281	3282	3336.22	-296.172	66.987	4.518	483.571	-7901.73	1
43282_3282	43282	3282	-3336.4	296.172	-57.098	18.903	-483.571	7901.713	1
43282_3283	43282	3283	3336.404	-267.402	57.098	-18.903	960.895	-5546.04	1
43283_3283	43283	3283	-3336	218.292	13.444	-6.823	-960.895	5546.322	1
43283_3284	43283	3284	3335.999	-182.095	-13.444	6.823	794.68	-3071.31	1
43284_3284	43284	3284	-3335.92	182.095	26.284	4.998	-794.68	3071.309	1
43284_3285	43284	3285	3335.922	-147.181	-26.284	-4.998	481.258	-1108.07	1
43285_3285	43285	3285	-3336.1	67.571	4.81	-1.58	-481.258	1108.136	1
43285_3286	43285	3286	3336.096	-32.906	-4.81	1.58	424.313	-513.333	1
43286_3286	43286	3286	-3336.04	32.906	19.111	0.621	-424.313	513.335	1
43286_3287	43286	3287	3336.044	-2.413	-19.111	-0.621	225.275	-329.411	1
43287_3287	43287	3287	-3335.95	-47.363	25.824	-2.622	-225.275	329.277	1
43287_3288	43287	3288	3335.945	80.433	-25.824	2.622	-66.406	-1051.01	1
43288_3288	43288	3288	-3335.84	-80.433	37.15	0.946	66.406	1051.012	1
43288_3289	43288	3289	3335.838	112.452	-37.15	-0.946	-472.676	-2105.69	1
43289_3289	43289	3289	-3336.44	-196.726	-15.525	-9.79	472.676	2105.887	1
43289_3290	43289	3290	3336.438	221.216	15.525	9.79	-342.817	-3853.82	1
43290_3290	43290	3290	-3336.46	-221.216	-8.256	-1.394	342.817	3853.83	1
43290_3291	43290	3291	3336.464	244.225	8.256	1.394	-277.935	-5682.64	1
43291_3291	43291	3291	-3336.47	-244.225	-1.588	10.103	277.935	5389.858	1
43291_3292	43291	3292	3336.474	269.21	1.588	-10.103	-265.421	-7413.28	1
43292_3292	43292	3292	-3336.72	-334.204	-10.486	-19.103	265.421	7413.944	1
43292_3293	43292	3293	3336.719	342.161	10.486	19.103	-239.098	-8262.88	1.01
43293_3293	43293	3293	120.391	899.353	-9.305	-59.348	71.727	34042.7	1.01
43293_3294	43293	3294	-116.609	-868.562	9.305	59.348	7.182	-26547.2	1.02
43294_3294	43294	3294	85.399	872.183	-9.345	48.998	-18.663	26547.18	1.02

43294_3295	43294	3295	-82.422	-837.819	9.345	-48.998	110.419	-18152.9	1.02
43295_3295	43295	3295	56.001	769.614	4.43	-30.204	-104.161	18154.07	1.02
43295_3296	43295	3296	-53.791	-732.657	-4.43	30.204	55.879	-9968.92	1.03
43296_3296	43296	3296	35.994	733.747	4.391	10.823	-58.003	9968.943	1.03
43296_3297	43296	3297	-35.019	-706.255	-4.391	-10.823	21.667	-4010.46	1.05
43297_3297	43297	3297	22.572	706.763	4.362	23.258	-21.688	4009.421	1.05
43297_3298	43297	3298	-22.35	-694.331	-4.362	-23.258	2.856	-984.694	1.08
43298_3298	43298	3298	18.317	620.332	-1.315	4.021	48.835	3336.881	1.08
43298_3299	43298	3299	-18.224	-596.776	1.315	-4.021	-38.005	1675.125	1.08
43299_3299	43299	3299	15.866	596.843	-1.349	0.26	38.021	-1675.13	1.08
43299_3300	43299	3300	-15.866	-575.545	1.349	-0.26	-27.967	6043.22	1
43300_3300	43300	3300	15.863	575.545	-1.38	-11.586	27.967	-6043.21	1
43300_3301	43300	3301	-15.863	-552.018	1.38	11.586	-18.158	10049.81	1
43301_3301	43301	3301	15.863	467.797	-0.092	30.053	18.158	-10050.2	1
43301_3302	43301	3302	-15.863	-427.799	0.092	-30.053	-17.044	15460.47	1
43302_3302	43302	3302	15.863	427.799	-0.153	-28.845	17.044	-15460.5	1
43302_3303	43302	3303	-15.863	-387.427	0.153	28.845	-15.183	20431.28	1
43303_3303	43303	3303	15.871	310.855	1.167	36.221	15.183	-20432.1	1
43303_3304	43303	3304	-15.871	-268.375	-1.167	-36.221	-30.154	24148.47	1
43304_3304	43304	3304	15.875	268.375	1.119	-36.793	30.154	-24148.5	1
43304_3305	43304	3305	-15.875	-230.489	-1.119	36.793	-42.956	27002.95	1
43305_3305	43305	3305	15.869	159.056	-0.452	51.511	42.956	-27004	1
43305_3306	43305	3306	-15.869	-115.246	0.452	-51.511	-36.981	28818.99	1
43306_3306	43306	3306	15.867	115.246	-0.51	-55.435	36.981	-28819	1
43306_3307	43306	3307	-15.867	-78.688	0.51	55.435	-31.345	29889.78	1
43307_3307	43307	3307	15.874	10.875	0.709	51.556	31.345	-29891.1	1
43307_3308	43307	3308	-15.874	30.732	-0.709	-51.556	-40.26	29766.35	1
43308_3308	43308	3308	15.876	-30.732	0.656	-48.22	40.26	-29766.4	1
43308_3309	43308	3309	-15.876	69.473	-0.656	48.22	-47.939	29180.04	1
43309_3309	43309	3309	15.859	-137.745	-1.657	44.844	47.939	-29180.8	1
43309_3310	43309	3310	-15.859	177.033	1.657	-44.844	-28.27	27313.05	1
43310_3310	43310	3310	15.854	-177.033	-1.704	-35.141	28.27	-27313.1	1
43310_3311	43310	3311	-15.854	218.127	1.704	35.141	-7.12	24860.44	1
43311_3311	43311	3311	15.871	-281.517	2.2	36.71	7.12	-24861.4	1
43311_3312	43311	3312	-15.871	321.602	-2.2	-36.71	-33.761	21209.98	1
43312_3312	43312	3312	15.878	-321.602	2.15	-29.888	33.761	-21210	1
43312_3313	43312	3313	-15.878	361.857	-2.15	29.888	-59.91	17054.65	1
43313_3313	43313	3313	15.853	-446.917	-2.448	23.864	59.91	-17055.2	1
43313_3314	43313	3314	-15.853	488.998	2.448	-23.864	-28.793	11106.93	1
43314_3314	43314	3314	15.843	-488.998	-2.507	-17.61	28.793	-11106.9	1
43314_3315	43314	3315	-15.843	530.882	2.507	17.61	2.927	4655.391	1
43315_3315	43315	3315	15.846	-565.653	0.358	-0.429	-2.927	-4656.03	1
43315_3316	43315	3316	-15.846	592.744	-0.358	0.429	0	-83.683	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1	2	3	4	5	6	7	8	9	14
3000_3000	3000	3000	0	0	0	0	0	0	1
3000_3001	3000	3001	0	0	0	0	0	0	1
3001_3001	3001	3001	0	0	0	0	0	0	1
3001_3002	3001	3002	0	0	0	0	0	0	1
3002_3002	3002	3002	0	0	0	0	0	0	1
3002_3003	3002	3003	0	0	0	0	0	0	1
3003_3003	3003	3003	0	0	0	0	0	0	1
3003_3004	3003	3004	0	0	0	0	0	0	1
3004_3004	3004	3004	0	0	0	0	0	0	1
3004_3005	3004	3005	0	0	0	0	0	0	1
3005_3005	3005	3005	0	0	0	0	0	0	1
3005_3006	3005	3006	0	0	0	0	0	0	1
3006_3006	3006	3006	0	0	0	0	0	0	1
3006_3007	3006	3007	0	0	0	0	0	0	1
3007_3007	3007	3007	0	0	0	0	0	0	1
3007_3008	3007	3008	0	0	0	0	0	0	1
3008_3008	3008	3008	0	0	0	0	0	0	1
3008_3009	3008	3009	0	0	0	0	0	0	1
3009_3009	3009	3009	0	0	0	0	0	0	1
3009_3010	3009	3010	0	0	0	0	0	0	1
3010_3010	3010	3010	0	0	0	0	0	0	1
3010_3011	3010	3011	0	0	0	0	0	0	1
3011_3011	3011	3011	0	0	0	0	0	0	1
3011_3012	3011	3012	0	0	0	0	0	0	1
3012_3012	3012	3012	0	0	0	0	0	0	1
3012_3013	3012	3013	0	0	0	0	0	0	1
3013_3013	3013	3013	0	0	0	0	0	0	1
3013_3014	3013	3014	0	0	0	0	0	0	1
3014_3014	3014	3014	0	0	0	0	0	0	1
3014_3015	3014	3015	0	0	0	0	0	0	1
3015_3015	3015	3015	0	0	0	0	0	0	1
3015_3016	3015	3016	0	0	0	0	0	0	1
3016_3016	3016	3016	0	0	0	0	0	0	1
3016_3017	3016	3017	0	0	0	0	0	0	1.06
3017_3017	3017	3017	0	0	0	0	0	0	1.06
3017_3018	3017	3018	0	0	0	0	0	0	1.03
3018_3018	3018	3018	0	0	0	0	0	0	1.03
3018_3019	3018	3019	0	0	0	0	0	0	1.02
3019_3019	3019	3019	0	0	0	0	0	0	1.02
3019_3020	3019	3020	0	0	0	0	0	0	1.02
3020_3020	3020	3020	0	0	0	0	0	0	1.02
3020_3021	3020	3021	0	0	0	0	0	0	1
3021_3021	3021	3021	0	0	0	0	0	0	1
3021_3022	3021	3022	0	0	0	0	0	0	1
3022_3022	3022	3022	0	0	0	0	0	0	1
3022_3023	3022	3023	0	0	0	0	0	0	1
3023_3023	3023	3023	0	0	0	0	0	0	1
3023_3024	3023	3024	0	0	0	0	0	0	1
3024_3024	3024	3024	0	0	0	0	0	0	1
3024_3025	3024	3025	0	0	0	0	0	0	1
3025_3025	3025	3025	0	0	0	0	0	0	1
3025_3026	3025	3026	0	0	0	0	0	0	1
3026_3026	3026	3026	0	0	0	0	0	0	1

3026_3027	3026	3027	0	0	0	0	0	0	1
3027_3027	3027	3027	0	0	0	0	0	0	1
3027_3028	3027	3028	0	0	0	0	0	0	1
3028_3028	3028	3028	0	0	0	0	0	0	1
3028_3029	3028	3029	0	0	0	0	0	0	1
3029_3029	3029	3029	0	0	0	0	0	0	1
3029_3030	3029	3030	0	0	0	0	0	0	1
3030_3030	3030	3030	0	0	0	0	0	0	1
3030_3031	3030	3031	0	0	0	0	0	0	1
3031_3031	3031	3031	0	0	0	0	0	0	1
3031_3032	3031	3032	0	0	0	0	0	0	1
3032_3032	3032	3032	0	0	0	0	0	0	1
3032_3033	3032	3033	0	0	0	0	0	0	1
3033_3033	3033	3033	0	0	0	0	0	0	1
3033_3034	3033	3034	0	0	0	0	0	0	1
3034_3034	3034	3034	0	0	0	0	0	0	1
3034_3035	3034	3035	0	0	0	0	0	0	1
3035_3035	3035	3035	0	0	0	0	0	0	1
3035_3036	3035	3036	0	0	0	0	0	0	1.01
3036_3036	3036	3036	0	0	0	0	0	0	1.01
3036_3037	3036	3037	0	0	0	0	0	0	1.02
3037_3037	3037	3037	0	0	0	0	0	0	1.02
3037_3038	3037	3038	0	0	0	0	0	0	1.02
3038_3038	3038	3038	0	0	0	0	0	0	1.02
3038_3039	3038	3039	0	0	0	0	0	0	1.03
3039_3039	3039	3039	0	0	0	0	0	0	1.03
3039_3040	3039	3040	0	0	0	0	0	0	1.05
3040_3040	3040	3040	0	0	0	0	0	0	1.05
3040_3041	3040	3041	0	0	0	0	0	0	1.07
3041_3041	3041	3041	0	0	0	0	0	0	1.07
3041_3042	3041	3042	0	0	0	0	0	0	1
3042_3042	3042	3042	0	0	0	0	0	0	1
3042_3043	3042	3043	0	0	0	0	0	0	1
3043_3043	3043	3043	0	0	0	0	0	0	1
3043_3044	3043	3044	0	0	0	0	0	0	1
3044_3044	3044	3044	0	0	0	0	0	0	1
3044_3045	3044	3045	0	0	0	0	0	0	1
3045_3045	3045	3045	0	0	0	0	0	0	1
3045_3046	3045	3046	0	0	0	0	0	0	1
3046_3046	3046	3046	0	0	0	0	0	0	1
3046_3047	3046	3047	0	0	0	0	0	0	1
3047_3047	3047	3047	0	0	0	0	0	0	1
3047_3048	3047	3048	0	0	0	0	0	0	1
3048_3048	3048	3048	0	0	0	0	0	0	1
3048_3049	3048	3049	0	0	0	0	0	0	1
3049_3049	3049	3049	0	0	0	0	0	0	1
3049_3050	3049	3050	0	0	0	0	0	0	1
3050_3050	3050	3050	0	0	0	0	0	0	1
3050_3051	3050	3051	0	0	0	0	0	0	1.15
3051_3051	3051	3051	0	0	0	0	0	0	1.15
3051_3052	3051	3052	0	0	0	0	0	0	1.06
3052_3052	3052	3052	0	0	0	0	0	0	1.06
3052_3053	3052	3053	0	0	0	0	0	0	1.03
3053_3053	3053	3053	0	0	0	0	0	0	1.03
3053_3054	3053	3054	0	0	0	0	0	0	1.02
3054_3054	3054	3054	0	0	0	0	0	0	1.02

3054_3055	3054	3055	0	0	0	0	0	0	1.01
3055_3055	3055	3055	0	0	0	0	0	0	1.01
3055_3056	3055	3056	0	0	0	0	0	0	1.01
3056_3056	3056	3056	0	0	0	0	0	0	1.01
3056_3057	3056	3057	0	0	0	0	0	0	1
3057_3057	3057	3057	0	0	0	0	0	0	1
3057_3058	3057	3058	0	0	0	0	0	0	1
3058_3058	3058	3058	0	0	0	0	0	0	1
3058_3059	3058	3059	0	0	0	0	0	0	1
3059_3059	3059	3059	0	0	0	0	0	0	1
3059_3060	3059	3060	0	0	0	0	0	0	1
3060_3060	3060	3060	0	0	0	0	0	0	1
3060_3061	3060	3061	0	0	0	0	0	0	1
3061_3061	3061	3061	0	0	0	0	0	0	1
3061_3062	3061	3062	0	0	0	0	0	0	1
3062_3062	3062	3062	0	0	0	0	0	0	1
3062_3063	3062	3063	0	0	0	0	0	0	1
3063_3063	3063	3063	0	0	0	0	0	0	1
3063_3064	3063	3064	0	0	0	0	0	0	1
3064_3064	3064	3064	0	0	0	0	0	0	1
3064_3065	3064	3065	0	0	0	0	0	0	1
3065_3065	3065	3065	0	0	0	0	0	0	1
3065_3066	3065	3066	0	0	0	0	0	0	1
3066_3066	3066	3066	0	0	0	0	0	0	1
3066_3067	3066	3067	0	0	0	0	0	0	1
3067_3067	3067	3067	0	0	0	0	0	0	1
3067_3068	3067	3068	0	0	0	0	0	0	1
3068_3068	3068	3068	0	0	0	0	0	0	1
3068_3069	3068	3069	0	0	0	0	0	0	1
3069_3069	3069	3069	0	0	0	0	0	0	1
3069_3070	3069	3070	0	0	0	0	0	0	1
3070_3070	3070	3070	0	0	0	0	0	0	1
3070_3071	3070	3071	0	0	0	0	0	0	1
3071_3071	3071	3071	0	0	0	0	0	0	1
3071_3072	3071	3072	0	0	0	0	0	0	1.01
3072_3072	3072	3072	0	0	0	0	0	0	1.01
3072_3073	3072	3073	0	0	0	0	0	0	1.01
3073_3073	3073	3073	0	0	0	0	0	0	1.01
3073_3074	3073	3074	0	0	0	0	0	0	1.01
3074_3074	3074	3074	0	0	0	0	0	0	1.01
3074_3075	3074	3075	0	0	0	0	0	0	1.03
3075_3075	3075	3075	0	0	0	0	0	0	1.03
3075_3076	3075	3076	0	0	0	0	0	0	1.03
3076_3076	3076	3076	0	0	0	0	0	0	1.03
3076_3077	3076	3077	0	0	0	0	0	0	1
3077_3077	3077	3077	0	0	0	0	0	0	1
3077_3078	3077	3078	0	0	0	0	0	0	1
3078_3078	3078	3078	0	0	0	0	0	0	1
3078_3079	3078	3079	0	0	0	0	0	0	1
3079_3079	3079	3079	0	0	0	0	0	0	1
3079_3080	3079	3080	0	0	0	0	0	0	1
3080_3080	3080	3080	0	0	0	0	0	0	1
3080_3081	3080	3081	0	0	0	0	0	0	1
3081_3081	3081	3081	0	0	0	0	0	0	1
3081_3082	3081	3082	0	0	0	0	0	0	1
3082_3082	3082	3082	0	0	0	0	0	0	1

3082_3083	3082	3083	0	0	0	0	0	0	1
3083_3083	3083	3083	0	0	0	0	0	0	1
3083_3084	3083	3084	0	0	0	0	0	0	1
3084_3084	3084	3084	0	0	0	0	0	0	1
3084_3085	3084	3085	0	0	0	0	0	0	1
3085_3085	3085	3085	0	0	0	0	0	0	1
3085_3086	3085	3086	0	0	0	0	0	0	1
3086_3086	3086	3086	0	0	0	0	0	0	1
3086_3087	3086	3087	0	0	0	0	0	0	1
3087_3087	3087	3087	0	0	0	0	0	0	1
3087_3088	3087	3088	0	0	0	0	0	0	1
3088_3088	3088	3088	0	0	0	0	0	0	1
3088_3089	3088	3089	0	0	0	0	0	0	1.08
3089_3089	3089	3089	0	0	0	0	0	0	1.08
3089_3090	3089	3090	0	0	0	0	0	0	1.08
3090_3090	3090	3090	0	0	0	0	0	0	1.08
3090_3091	3090	3091	0	0	0	0	0	0	1.02
3091_3091	3091	3091	0	0	0	0	0	0	1.02
3091_3092	3091	3092	0	0	0	0	0	0	1.02
3092_3092	3092	3092	0	0	0	0	0	0	1.02
3092_3093	3092	3093	0	0	0	0	0	0	1.02
3093_3093	3093	3093	0	0	0	0	0	0	1.02
3093_3094	3093	3094	0	0	0	0	0	0	1
3094_3094	3094	3094	0	0	0	0	0	0	1
3094_3095	3094	3095	0	0	0	0	0	0	1
3095_3095	3095	3095	0	0	0	0	0	0	1
3095_3096	3095	3096	0	0	0	0	0	0	1
3096_3096	3096	3096	0	0	0	0	0	0	1
3096_3097	3096	3097	0	0	0	0	0	0	1
3097_3097	3097	3097	0	0	0	0	0	0	1
3097_3098	3097	3098	0	0	0	0	0	0	1
3098_3098	3098	3098	0	0	0	0	0	0	1
3098_3099	3098	3099	0	0	0	0	0	0	1
3099_3099	3099	3099	0	0	0	0	0	0	1
3099_3100	3099	3100	0	0	0	0	0	0	1
3100_3100	3100	3100	0	0	0	0	0	0	1
3100_3101	3100	3101	0	0	0	0	0	0	1
3101_3101	3101	3101	0	0	0	0	0	0	1
3101_3102	3101	3102	0	0	0	0	0	0	1
3102_3102	3102	3102	0	0	0	0	0	0	1
3102_3103	3102	3103	0	0	0	0	0	0	1
3103_3103	3103	3103	0	0	0	0	0	0	1
3103_3104	3103	3104	0	0	0	0	0	0	1
3104_3104	3104	3104	0	0	0	0	0	0	1
3104_3105	3104	3105	0	0	0	0	0	0	1
3105_3105	3105	3105	0	0	0	0	0	0	1
3105_3106	3105	3106	0	0	0	0	0	0	1
3106_3106	3106	3106	0	0	0	0	0	0	1
3106_3107	3106	3107	0	0	0	0	0	0	1
3107_3107	3107	3107	0	0	0	0	0	0	1
3107_3108	3107	3108	0	0	0	0	0	0	1
3108_3108	3108	3108	0	0	0	0	0	0	1
3108_3109	3108	3109	0	0	0	0	0	0	1
3109_3109	3109	3109	0	0	0	0	0	0	1
3109_3110	3109	3110	0	0	0	0	0	0	1.01
3110_3110	3110	3110	0	0	0	0	0	0	1.01

3110_3111	3110	3111	0	0	0	0	0	0	1.01
3111_3111	3111	3111	0	0	0	0	0	0	1.01
3111_3112	3111	3112	0	0	0	0	0	0	1.01
3112_3112	3112	3112	0	0	0	0	0	0	1.01
3112_3113	3112	3113	0	0	0	0	0	0	1.03
3113_3113	3113	3113	0	0	0	0	0	0	1.03
3113_3114	3113	3114	0	0	0	0	0	0	1.03
3114_3114	3114	3114	0	0	0	0	0	0	1.03
3114_3115	3114	3115	0	0	0	0	0	0	1.11
3115_3115	3115	3115	0	0	0	0	0	0	1.11
3115_3116	3115	3116	0	0	0	0	0	0	1
3116_3116	3116	3116	0	0	0	0	0	0	1
3116_3117	3116	3117	0	0	0	0	0	0	1
3117_3117	3117	3117	0	0	0	0	0	0	1
3117_3118	3117	3118	0	0	0	0	0	0	1
3118_3118	3118	3118	0	0	0	0	0	0	1
3118_3119	3118	3119	0	0	0	0	0	0	1
3119_3119	3119	3119	0	0	0	0	0	0	1
3119_3120	3119	3120	0	0	0	0	0	0	1
3120_3120	3120	3120	0	0	0	0	0	0	1
3120_3121	3120	3121	0	0	0	0	0	0	1
3121_3121	3121	3121	0	0	0	0	0	0	1
3121_3122	3121	3122	0	0	0	0	0	0	1
3122_3122	3122	3122	0	0	0	0	0	0	1
3122_3123	3122	3123	0	0	0	0	0	0	1
3123_3123	3123	3123	0	0	0	0	0	0	1
3123_3124	3123	3124	0	0	0	0	0	0	1
3124_3124	3124	3124	0	0	0	0	0	0	1
3124_3125	3124	3125	0	0	0	0	0	0	1
3125_3125	3125	3125	0	0	0	0	0	0	1
3125_3126	3125	3126	0	0	0	0	0	0	1
3126_3126	3126	3126	0	0	0	0	0	0	1
3126_3127	3126	3127	0	0	0	0	0	0	1
3127_3127	3127	3127	0	0	0	0	0	0	1
3127_3128	3127	3128	0	0	0	0	0	0	1
3128_3128	3128	3128	0	0	0	0	0	0	1
3128_3129	3128	3129	0	0	0	0	0	0	1.07
3129_3129	3129	3129	0	0	0	0	0	0	1.07
3129_3130	3129	3130	0	0	0	0	0	0	1.04
3130_3130	3130	3130	0	0	0	0	0	0	1.04
3130_3131	3130	3131	0	0	0	0	0	0	1.03
3131_3131	3131	3131	0	0	0	0	0	0	1.03
3131_3132	3131	3132	0	0	0	0	0	0	1.03
3132_3132	3132	3132	0	0	0	0	0	0	1.03
3132_3133	3132	3133	0	0	0	0	0	0	1
3133_3133	3133	3133	0	0	0	0	0	0	1
3133_3134	3133	3134	0	0	0	0	0	0	1
3134_3134	3134	3134	0	0	0	0	0	0	1
3134_3135	3134	3135	0	0	0	0	0	0	1
3135_3135	3135	3135	0	0	0	0	0	0	1
3135_3136	3135	3136	0	0	0	0	0	0	1
3136_3136	3136	3136	0	0	0	0	0	0	1
3136_3137	3136	3137	0	0	0	0	0	0	1
3137_3137	3137	3137	0	0	0	0	0	0	1
3137_3138	3137	3138	0	0	0	0	0	0	1
3138_3138	3138	3138	0	0	0	0	0	0	1

3138_3139	3138	3139	0	0	0	0	0	0	1
3139_3139	3139	3139	0	0	0	0	0	0	1
3139_3140	3139	3140	0	0	0	0	0	0	1
3140_3140	3140	3140	0	0	0	0	0	0	1
3140_3141	3140	3141	0	0	0	0	0	0	1
3141_3141	3141	3141	0	0	0	0	0	0	1
3141_3142	3141	3142	0	0	0	0	0	0	1
3142_3142	3142	3142	0	0	0	0	0	0	1
3142_3143	3142	3143	0	0	0	0	0	0	1
3143_3143	3143	3143	0	0	0	0	0	0	1
3143_3144	3143	3144	0	0	0	0	0	0	1
3144_3144	3144	3144	0	0	0	0	0	0	1
3144_3145	3144	3145	0	0	0	0	0	0	1
3145_3145	3145	3145	0	0	0	0	0	0	1
3145_3146	3145	3146	0	0	0	0	0	0	1
3146_3146	3146	3146	0	0	0	0	0	0	1
3146_3147	3146	3147	0	0	0	0	0	0	1
3147_3147	3147	3147	0	0	0	0	0	0	1
3147_3148	3147	3148	0	0	0	0	0	0	1
3148_3148	3148	3148	0	0	0	0	0	0	1
3148_3149	3148	3149	0	0	0	0	0	0	1
3149_3149	3149	3149	0	0	0	0	0	0	1
3149_3150	3149	3150	0	0	0	0	0	0	1
3150_3150	3150	3150	0	0	0	0	0	0	1
3150_3151	3150	3151	0	0	0	0	0	0	1
3151_3151	3151	3151	0	0	0	0	0	0	1
3151_3152	3151	3152	0	0	0	0	0	0	1
3152_3152	3152	3152	0	0	0	0	0	0	1
3152_3153	3152	3153	0	0	0	0	0	0	1
3153_3153	3153	3153	0	0	0	0	0	0	1
3153_3154	3153	3154	0	0	0	0	0	0	1
3154_3154	3154	3154	0	0	0	0	0	0	1
3154_3155	3154	3155	0	0	0	0	0	0	1
3155_3155	3155	3155	0	0	0	0	0	0	1
3155_3156	3155	3156	0	0	0	0	0	0	1
3156_3156	3156	3156	0	0	0	0	0	0	1
3156_3157	3156	3157	0	0	0	0	0	0	1
3157_3157	3157	3157	0	0	0	0	0	0	1
3157_3158	3157	3158	0	0	0	0	0	0	1
3158_3158	3158	3158	0	0	0	0	0	0	1
3158_3159	3158	3159	0	0	0	0	0	0	1
3159_3159	3159	3159	0	0	0	0	0	0	1
3159_3160	3159	3160	0	0	0	0	0	0	1
3160_3160	3160	3160	0	0	0	0	0	0	1
3160_3161	3160	3161	0	0	0	0	0	0	1
3161_3161	3161	3161	0	0	0	0	0	0	1
3161_3162	3161	3162	0	0	0	0	0	0	1
3162_3162	3162	3162	0	0	0	0	0	0	1
3162_3163	3162	3163	0	0	0	0	0	0	1
3163_3163	3163	3163	0	0	0	0	0	0	1
3163_3164	3163	3164	0	0	0	0	0	0	1
3164_3164	3164	3164	0	0	0	0	0	0	1
3164_3165	3164	3165	0	0	0	0	0	0	1
3165_3165	3165	3165	0	0	0	0	0	0	1
3165_3166	3165	3166	0	0	0	0	0	0	1
3166_3166	3166	3166	0	0	0	0	0	0	1

3166_3167	3166	3167	0	0	0	0	0	0	1
3167_3167	3167	3167	0	0	0	0	0	0	1
3167_3168	3167	3168	0	0	0	0	0	0	1
3168_3168	3168	3168	0	0	0	0	0	0	1
3168_3169	3168	3169	0	0	0	0	0	0	1
3169_3169	3169	3169	0	0	0	0	0	0	1
3169_3170	3169	3170	0	0	0	0	0	0	1
3170_3170	3170	3170	0	0	0	0	0	0	1
3170_3171	3170	3171	0	0	0	0	0	0	1
3171_3171	3171	3171	0	0	0	0	0	0	1
3171_3172	3171	3172	0	0	0	0	0	0	1
3172_3172	3172	3172	0	0	0	0	0	0	1
3172_3173	3172	3173	0	0	0	0	0	0	1
3173_3173	3173	3173	0	0	0	0	0	0	1
3173_3174	3173	3174	0	0	0	0	0	0	1
3174_3174	3174	3174	0	0	0	0	0	0	1
3174_3175	3174	3175	0	0	0	0	0	0	1
3175_3175	3175	3175	0	0	0	0	0	0	1
3175_3176	3175	3176	0	0	0	0	0	0	1
3176_3176	3176	3176	0	0	0	0	0	0	1
3176_3177	3176	3177	0	0	0	0	0	0	1
3177_3177	3177	3177	0	0	0	0	0	0	1
3177_3178	3177	3178	0	0	0	0	0	0	1
3178_3178	3178	3178	0	0	0	0	0	0	1
3178_3179	3178	3179	0	0	0	0	0	0	1
3179_3179	3179	3179	0	0	0	0	0	0	1
3179_3180	3179	3180	0	0	0	0	0	0	1
3180_3180	3180	3180	0	0	0	0	0	0	1
3180_3181	3180	3181	0	0	0	0	0	0	1
3181_3181	3181	3181	0	0	0	0	0	0	1
3181_3182	3181	3182	0	0	0	0	0	0	1
3182_3182	3182	3182	0	0	0	0	0	0	1
3182_3183	3182	3183	0	0	0	0	0	0	1
3183_3183	3183	3183	0	0	0	0	0	0	1
3183_3184	3183	3184	0	0	0	0	0	0	1.02
3184_3184	3184	3184	0	0	0	0	0	0	1.02
3184_3185	3184	3185	0	0	0	0	0	0	1.03
3185_3185	3185	3185	0	0	0	0	0	0	1.03
3185_3186	3185	3186	0	0	0	0	0	0	1.04
3186_3186	3186	3186	0	0	0	0	0	0	1.04
3186_3187	3186	3187	0	0	0	0	0	0	1.08
3187_3187	3187	3187	0	0	0	0	0	0	1.08
3187_3188	3187	3188	0	0	0	0	0	0	1.08
3188_3188	3188	3188	0	0	0	0	0	0	1.08
3188_3189	3188	3189	0	0	0	0	0	0	1
3189_3189	3189	3189	0	0	0	0	0	0	1
3189_3190	3189	3190	0	0	0	0	0	0	1
3190_3190	3190	3190	0	0	0	0	0	0	1
3190_3191	3190	3191	0	0	0	0	0	0	1
3191_3191	3191	3191	0	0	0	0	0	0	1
3191_3192	3191	3192	0	0	0	0	0	0	1
3192_3192	3192	3192	0	0	0	0	0	0	1
3192_3193	3192	3193	0	0	0	0	0	0	1
3193_3193	3193	3193	0	0	0	0	0	0	1
3193_3194	3193	3194	0	0	0	0	0	0	1
3194_3194	3194	3194	0	0	0	0	0	0	1

3194_3195	3194	3195	0	0	0	0	0	0	1
3195_3195	3195	3195	0	0	0	0	0	0	1
3195_3196	3195	3196	0	0	0	0	0	0	1
3196_3196	3196	3196	0	0	0	0	0	0	1
3196_3197	3196	3197	0	0	0	0	0	0	1
3197_3197	3197	3197	0	0	0	0	0	0	1
3197_3198	3197	3198	0	0	0	0	0	0	1
3198_3198	3198	3198	0	0	0	0	0	0	1
3198_3199	3198	3199	0	0	0	0	0	0	1.03
3199_3199	3199	3199	0	0	0	0	0	0	1.03
3199_3200	3199	3200	0	0	0	0	0	0	1.03
3200_3200	3200	3200	0	0	0	0	0	0	1.03
3200_3201	3200	3201	0	0	0	0	0	0	1.03
3201_3201	3201	3201	0	0	0	0	0	0	1.03
3201_3202	3201	3202	0	0	0	0	0	0	1.02
3202_3202	3202	3202	0	0	0	0	0	0	1.02
3202_3203	3202	3203	0	0	0	0	0	0	1.01
3203_3203	3203	3203	0	0	0	0	0	0	1.01
3203_3204	3203	3204	0	0	0	0	0	0	1.01
3204_3204	3204	3204	0	0	0	0	0	0	1.01
3204_3205	3204	3205	0	0	0	0	0	0	1
3205_3205	3205	3205	0	0	0	0	0	0	1
3205_3206	3205	3206	0	0	0	0	0	0	1
3206_3206	3206	3206	0	0	0	0	0	0	1
3206_3207	3206	3207	0	0	0	0	0	0	1
3207_3207	3207	3207	0	0	0	0	0	0	1
3207_3208	3207	3208	0	0	0	0	0	0	1
3208_3208	3208	3208	0	0	0	0	0	0	1
3208_3209	3208	3209	0	0	0	0	0	0	1
3209_3209	3209	3209	0	0	0	0	0	0	1
3209_3210	3209	3210	0	0	0	0	0	0	1
3210_3210	3210	3210	0	0	0	0	0	0	1
3210_3211	3210	3211	0	0	0	0	0	0	1
3211_3211	3211	3211	0	0	0	0	0	0	1
3211_3212	3211	3212	0	0	0	0	0	0	1
3212_3212	3212	3212	0	0	0	0	0	0	1
3212_3213	3212	3213	0	0	0	0	0	0	1
3213_3213	3213	3213	0	0	0	0	0	0	1
3213_3214	3213	3214	0	0	0	0	0	0	1
3214_3214	3214	3214	0	0	0	0	0	0	1
3214_3215	3214	3215	0	0	0	0	0	0	1
3215_3215	3215	3215	0	0	0	0	0	0	1
3215_3216	3215	3216	0	0	0	0	0	0	1
3216_3216	3216	3216	0	0	0	0	0	0	1
3216_3217	3216	3217	0	0	0	0	0	0	1
3217_3217	3217	3217	0	0	0	0	0	0	1
3217_3218	3217	3218	0	0	0	0	0	0	1
3218_3218	3218	3218	0	0	0	0	0	0	1
3218_3219	3218	3219	0	0	0	0	0	0	1
3219_3219	3219	3219	0	0	0	0	0	0	1
3219_3220	3219	3220	0	0	0	0	0	0	1
3220_3220	3220	3220	0	0	0	0	0	0	1
3220_3221	3220	3221	0	0	0	0	0	0	1
3221_3221	3221	3221	0	0	0	0	0	0	1
3221_3222	3221	3222	0	0	0	0	0	0	1.01
3222_3222	3222	3222	0	0	0	0	0	0	1.01

3222_3223	3222	3223	0	0	0	0	0	0	1.01
3223_3223	3223	3223	0	0	0	0	0	0	1.01
3223_3224	3223	3224	0	0	0	0	0	0	1.03
3224_3224	3224	3224	0	0	0	0	0	0	1.03
3224_3225	3224	3225	0	0	0	0	0	0	1
3225_3225	3225	3225	0	0	0	0	0	0	1
3225_3226	3225	3226	0	0	0	0	0	0	1
3226_3226	3226	3226	0	0	0	0	0	0	1
3226_3227	3226	3227	0	0	0	0	0	0	1
3227_3227	3227	3227	0	0	0	0	0	0	1
3227_3228	3227	3228	0	0	0	0	0	0	1
3228_3228	3228	3228	0	0	0	0	0	0	1
3228_3229	3228	3229	0	0	0	0	0	0	1
3229_3229	3229	3229	0	0	0	0	0	0	1
3229_3230	3229	3230	0	0	0	0	0	0	1
3230_3230	3230	3230	0	0	0	0	0	0	1
3230_3231	3230	3231	0	0	0	0	0	0	1
3231_3231	3231	3231	0	0	0	0	0	0	1
3231_3232	3231	3232	0	0	0	0	0	0	1
3232_3232	3232	3232	0	0	0	0	0	0	1
3232_3233	3232	3233	0	0	0	0	0	0	1
3233_3233	3233	3233	0	0	0	0	0	0	1
3233_3234	3233	3234	0	0	0	0	0	0	1.03
3234_3234	3234	3234	0	0	0	0	0	0	1.03
3234_3235	3234	3235	0	0	0	0	0	0	1.03
3235_3235	3235	3235	0	0	0	0	0	0	1.03
3235_3236	3235	3236	0	0	0	0	0	0	1.03
3236_3236	3236	3236	0	0	0	0	0	0	1.03
3236_3237	3236	3237	0	0	0	0	0	0	1.03
3237_3237	3237	3237	0	0	0	0	0	0	1.03
3237_3238	3237	3238	0	0	0	0	0	0	1.01
3238_3238	3238	3238	0	0	0	0	0	0	1.01
3238_3239	3238	3239	0	0	0	0	0	0	1.01
3239_3239	3239	3239	0	0	0	0	0	0	1.01
3239_3240	3239	3240	0	0	0	0	0	0	1.01
3240_3240	3240	3240	0	0	0	0	0	0	1.01
3240_3241	3240	3241	0	0	0	0	0	0	1
3241_3241	3241	3241	0	0	0	0	0	0	1
3241_3242	3241	3242	0	0	0	0	0	0	1
3242_3242	3242	3242	0	0	0	0	0	0	1
3242_3243	3242	3243	0	0	0	0	0	0	1
3243_3243	3243	3243	0	0	0	0	0	0	1
3243_3244	3243	3244	0	0	0	0	0	0	1
3244_3244	3244	3244	0	0	0	0	0	0	1
3244_3245	3244	3245	0	0	0	0	0	0	1
3245_3245	3245	3245	0	0	0	0	0	0	1
3245_3246	3245	3246	0	0	0	0	0	0	1
3246_3246	3246	3246	0	0	0	0	0	0	1
3246_3247	3246	3247	0	0	0	0	0	0	1
3247_3247	3247	3247	0	0	0	0	0	0	1
3247_3248	3247	3248	0	0	0	0	0	0	1
3248_3248	3248	3248	0	0	0	0	0	0	1
3248_3249	3248	3249	0	0	0	0	0	0	1
3249_3249	3249	3249	0	0	0	0	0	0	1
3249_3250	3249	3250	0	0	0	0	0	0	1
3250_3250	3250	3250	0	0	0	0	0	0	1

3250_3251	3250	3251	0	0	0	0	0	0	1
3251_3251	3251	3251	0	0	0	0	0	0	1
3251_3252	3251	3252	0	0	0	0	0	0	1
3252_3252	3252	3252	0	0	0	0	0	0	1
3252_3253	3252	3253	0	0	0	0	0	0	1
3253_3253	3253	3253	0	0	0	0	0	0	1
3253_3254	3253	3254	0	0	0	0	0	0	1
3254_3254	3254	3254	0	0	0	0	0	0	1
3254_3255	3254	3255	0	0	0	0	0	0	1.01
3255_3255	3255	3255	0	0	0	0	0	0	1.01
3255_3256	3255	3256	0	0	0	0	0	0	1.01
3256_3256	3256	3256	0	0	0	0	0	0	1.01
3256_3257	3256	3257	0	0	0	0	0	0	1.02
3257_3257	3257	3257	0	0	0	0	0	0	1.02
3257_3258	3257	3258	0	0	0	0	0	0	1.03
3258_3258	3258	3258	0	0	0	0	0	0	1.03
3258_3259	3258	3259	0	0	0	0	0	0	1.05
3259_3259	3259	3259	0	0	0	0	0	0	1.05
3259_3260	3259	3260	0	0	0	0	0	0	1.05
3260_3260	3260	3260	0	0	0	0	0	0	1.05
3260_3261	3260	3261	0	0	0	0	0	0	1.05
3261_3261	3261	3261	0	0	0	0	0	0	1.05
3261_3262	3261	3262	0	0	0	0	0	0	1
3262_3262	3262	3262	0	0	0	0	0	0	1
3262_3263	3262	3263	0	0	0	0	0	0	1
3263_3263	3263	3263	0	0	0	0	0	0	1
3263_3264	3263	3264	0	0	0	0	0	0	1
3264_3264	3264	3264	0	0	0	0	0	0	1
3264_3265	3264	3265	0	0	0	0	0	0	1
3265_3265	3265	3265	0	0	0	0	0	0	1
3265_3266	3265	3266	0	0	0	0	0	0	1
3266_3266	3266	3266	0	0	0	0	0	0	1
3266_3267	3266	3267	0	0	0	0	0	0	1
3267_3267	3267	3267	0	0	0	0	0	0	1
3267_3268	3267	3268	0	0	0	0	0	0	1
3268_3268	3268	3268	0	0	0	0	0	0	1
3268_3269	3268	3269	0	0	0	0	0	0	1
3269_3269	3269	3269	0	0	0	0	0	0	1
3269_3270	3269	3270	0	0	0	0	0	0	1
3270_3270	3270	3270	0	0	0	0	0	0	1
3270_3271	3270	3271	0	0	0	0	0	0	1
3271_3271	3271	3271	0	0	0	0	0	0	1
3271_3272	3271	3272	0	0	0	0	0	0	1.07
3272_3272	3272	3272	0	0	0	0	0	0	1.07
3272_3273	3272	3273	0	0	0	0	0	0	1.07
3273_3273	3273	3273	0	0	0	0	0	0	1.07
3273_3274	3273	3274	0	0	0	0	0	0	1.04
3274_3274	3274	3274	0	0	0	0	0	0	1.04
3274_3275	3274	3275	0	0	0	0	0	0	1.04
3275_3275	3275	3275	0	0	0	0	0	0	1.04
3275_3276	3275	3276	0	0	0	0	0	0	1.03
3276_3276	3276	3276	0	0	0	0	0	0	1.03
3276_3277	3276	3277	0	0	0	0	0	0	1.03
3277_3277	3277	3277	0	0	0	0	0	0	1.03
3277_3278	3277	3278	0	0	0	0	0	0	1.03
3278_3278	3278	3278	0	0	0	0	0	0	1.03

3278_3279	3278	3279	0	0	0	0	0	0	1.02
3279_3279	3279	3279	0	0	0	0	0	0	1.02
3279_3280	3279	3280	0	0	0	0	0	0	1
3280_3280	3280	3280	0	0	0	0	0	0	1
3280_3281	3280	3281	0	0	0	0	0	0	1
3281_3281	3281	3281	0	0	0	0	0	0	1
3281_3282	3281	3282	0	0	0	0	0	0	1
3282_3282	3282	3282	0	0	0	0	0	0	1
3282_3283	3282	3283	0	0	0	0	0	0	1
3283_3283	3283	3283	0	0	0	0	0	0	1
3283_3284	3283	3284	0	0	0	0	0	0	1
3284_3284	3284	3284	0	0	0	0	0	0	1
3284_3285	3284	3285	0	0	0	0	0	0	1
3285_3285	3285	3285	0	0	0	0	0	0	1
3285_3286	3285	3286	0	0	0	0	0	0	1
3286_3286	3286	3286	0	0	0	0	0	0	1
3286_3287	3286	3287	0	0	0	0	0	0	1
3287_3287	3287	3287	0	0	0	0	0	0	1
3287_3288	3287	3288	0	0	0	0	0	0	1
3288_3288	3288	3288	0	0	0	0	0	0	1
3288_3289	3288	3289	0	0	0	0	0	0	1
3289_3289	3289	3289	0	0	0	0	0	0	1
3289_3290	3289	3290	0	0	0	0	0	0	1
3290_3290	3290	3290	0	0	0	0	0	0	1
3290_3291	3290	3291	0	0	0	0	0	0	1
3291_3291	3291	3291	0	0	0	0	0	0	1
3291_3292	3291	3292	0	0	0	0	0	0	1
3292_3292	3292	3292	0	0	0	0	0	0	1
3292_3293	3292	3293	0	0	0	0	0	0	1.02
3293_3293	3293	3293	0	0	0	0	0	0	1.02
3293_3294	3293	3294	0	0	0	0	0	0	1.02
3294_3294	3294	3294	0	0	0	0	0	0	1.02
3294_3295	3294	3295	0	0	0	0	0	0	1.03
3295_3295	3295	3295	0	0	0	0	0	0	1.03
3295_3296	3295	3296	0	0	0	0	0	0	1.05
3296_3296	3296	3296	0	0	0	0	0	0	1.05
3296_3297	3296	3297	0	0	0	0	0	0	1.14
3297_3297	3297	3297	0	0	0	0	0	0	1.14
3297_3298	3297	3298	0	0	0	0	0	0	1
3298_3298	3298	3298	0	0	0	0	0	0	1
3298_3299	3298	3299	0	0	0	0	0	0	1
3299_3299	3299	3299	0	0	0	0	0	0	1
3299_3300	3299	3300	0	0	0	0	0	0	1
3300_3300	3300	3300	0	0	0	0	0	0	1
3300_3301	3300	3301	0	0	0	0	0	0	1
3301_3301	3301	3301	0	0	0	0	0	0	1
3301_3302	3301	3302	0	0	0	0	0	0	1
3302_3302	3302	3302	0	0	0	0	0	0	1
3302_3303	3302	3303	0	0	0	0	0	0	1
3303_3303	3303	3303	0	0	0	0	0	0	1
3303_3304	3303	3304	0	0	0	0	0	0	1
3304_3304	3304	3304	0	0	0	0	0	0	1
3304_3305	3304	3305	0	0	0	0	0	0	1
3305_3305	3305	3305	0	0	0	0	0	0	1
3305_3306	3305	3306	0	0	0	0	0	0	1
3306_3306	3306	3306	0	0	0	0	0	0	1

3306_3307	3306	3307	0	0	0	0	0	0	1
3307_3307	3307	3307	0	0	0	0	0	0	1
3307_3308	3307	3308	0	0	0	0	0	0	1
3308_3308	3308	3308	0	0	0	0	0	0	1
3308_3309	3308	3309	0	0	0	0	0	0	1
3309_3309	3309	3309	0	0	0	0	0	0	1
3309_3310	3309	3310	0	0	0	0	0	0	1
3310_3310	3310	3310	0	0	0	0	0	0	1
3310_3311	3310	3311	0	0	0	0	0	0	1
3311_3311	3311	3311	0	0	0	0	0	0	1
3311_3312	3311	3312	0	0	0	0	0	0	1
3312_3312	3312	3312	0	0	0	0	0	0	1
3312_3313	3312	3313	0	0	0	0	0	0	1
3313_3313	3313	3313	0	0	0	0	0	0	1
3313_3314	3313	3314	0	0	0	0	0	0	1
3314_3314	3314	3314	0	0	0	0	0	0	1
3314_3315	3314	3315	0	0	0	0	0	0	1
3315_3315	3315	3315	0	0	0	0	0	0	1
3315_3316	3315	3316	0	0	0	0	0	0	1
3400_3020	3400	3020	0	0	0	0	0	0	1.02
3400_3401	3400	3401	0	0	0	0	0	0	1
3401_3401	3401	3401	0	0	0	0	0	0	1
3401_3402	3401	3402	0	0	0	0	0	0	1
3402_3402	3402	3402	0	0	0	0	0	0	1
3402_3403	3402	3403	0	0	0	0	0	0	1
3403_3403	3403	3403	0	0	0	0	0	0	1
3403_3404	3403	3404	0	0	0	0	0	0	1
3404_3404	3404	3404	0	0	0	0	0	0	1
3404_3405	3404	3405	0	0	0	0	0	0	1
3405_3405	3405	3405	0	0	0	0	0	0	1
3405_3406	3405	3406	0	0	0	0	0	0	1
3406_3406	3406	3406	0	0	0	0	0	0	1
3406_3407	3406	3407	0	0	0	0	0	0	1
3407_3407	3407	3407	0	0	0	0	0	0	1
3407_3408	3407	3408	0	0	0	0	0	0	1
3408_3408	3408	3408	0	0	0	0	0	0	1
3408_3409	3408	3409	0	0	0	0	0	0	1
3409_3409	3409	3409	0	0	0	0	0	0	1
3409_3410	3409	3410	0	0	0	0	0	0	1
3410_3410	3410	3410	0	0	0	0	0	0	1
3410_3411	3410	3411	0	0	0	0	0	0	1
3411_3411	3411	3411	0	0	0	0	0	0	1
3411_3412	3411	3412	0	0	0	0	0	0	1
3412_3412	3412	3412	0	0	0	0	0	0	1
3412_3413	3412	3413	0	0	0	0	0	0	1
3413_3413	3413	3413	0	0	0	0	0	0	1
3413_3414	3413	3414	0	0	0	0	0	0	1
3414_3414	3414	3414	0	0	0	0	0	0	1
3414_3415	3414	3415	0	0	0	0	0	0	1
3415_3415	3415	3415	0	0	0	0	0	0	1
3415_3416	3415	3416	0	0	0	0	0	0	1
3416_3416	3416	3416	0	0	0	0	0	0	1
3416_3417	3416	3417	0	0	0	0	0	0	1
3417_3417	3417	3417	0	0	0	0	0	0	1
3417_3036	3417	3036	0	0	0	0	0	0	1.01
3420_3056	3420	3056	0	0	0	0	0	0	1.01

3420_3421	3420	3421	0	0	0	0	0	0	1
3421_3421	3421	3421	0	0	0	0	0	0	1
3421_3422	3421	3422	0	0	0	0	0	0	1
3422_3422	3422	3422	0	0	0	0	0	0	1
3422_3423	3422	3423	0	0	0	0	0	0	1
3423_3423	3423	3423	0	0	0	0	0	0	1
3423_3424	3423	3424	0	0	0	0	0	0	1
3424_3424	3424	3424	0	0	0	0	0	0	1
3424_3425	3424	3425	0	0	0	0	0	0	1
3425_3425	3425	3425	0	0	0	0	0	0	1
3425_3426	3425	3426	0	0	0	0	0	0	1
3426_3426	3426	3426	0	0	0	0	0	0	1
3426_3427	3426	3427	0	0	0	0	0	0	1
3427_3427	3427	3427	0	0	0	0	0	0	1
3427_3428	3427	3428	0	0	0	0	0	0	1
3428_3428	3428	3428	0	0	0	0	0	0	1
3428_3429	3428	3429	0	0	0	0	0	0	1
3429_3429	3429	3429	0	0	0	0	0	0	1
3429_3430	3429	3430	0	0	0	0	0	0	1
3430_3430	3430	3430	0	0	0	0	0	0	1
3430_3431	3430	3431	0	0	0	0	0	0	1
3431_3431	3431	3431	0	0	0	0	0	0	1
3431_3432	3431	3432	0	0	0	0	0	0	1
3432_3432	3432	3432	0	0	0	0	0	0	1
3432_3433	3432	3433	0	0	0	0	0	0	1
3433_3433	3433	3433	0	0	0	0	0	0	1
3433_3434	3433	3434	0	0	0	0	0	0	1
3434_3434	3434	3434	0	0	0	0	0	0	1
3434_3435	3434	3435	0	0	0	0	0	0	1
3435_3435	3435	3435	0	0	0	0	0	0	1
3435_3436	3435	3436	0	0	0	0	0	0	1
3436_3436	3436	3436	0	0	0	0	0	0	1
3436_3437	3436	3437	0	0	0	0	0	0	1
3437_3437	3437	3437	0	0	0	0	0	0	1
3437_3072	3437	3072	0	0	0	0	0	0	1.01
3440_3094	3440	3094	0	0	0	0	0	0	1
3440_3441	3440	3441	0	0	0	0	0	0	1
3441_3441	3441	3441	0	0	0	0	0	0	1
3441_3442	3441	3442	0	0	0	0	0	0	1
3442_3442	3442	3442	0	0	0	0	0	0	1
3442_3443	3442	3443	0	0	0	0	0	0	1
3443_3443	3443	3443	0	0	0	0	0	0	1
3443_3444	3443	3444	0	0	0	0	0	0	1
3444_3444	3444	3444	0	0	0	0	0	0	1
3444_3445	3444	3445	0	0	0	0	0	0	1
3445_3445	3445	3445	0	0	0	0	0	0	1
3445_3446	3445	3446	0	0	0	0	0	0	1
3446_3446	3446	3446	0	0	0	0	0	0	1
3446_3447	3446	3447	0	0	0	0	0	0	1
3447_3447	3447	3447	0	0	0	0	0	0	1
3447_3448	3447	3448	0	0	0	0	0	0	1
3448_3448	3448	3448	0	0	0	0	0	0	1
3448_3449	3448	3449	0	0	0	0	0	0	1
3449_3449	3449	3449	0	0	0	0	0	0	1
3449_3450	3449	3450	0	0	0	0	0	0	1
3450_3450	3450	3450	0	0	0	0	0	0	1

3450_3451	3450	3451	0	0	0	0	0	0	1
3451_3451	3451	3451	0	0	0	0	0	0	1
3451_3452	3451	3452	0	0	0	0	0	0	1
3452_3452	3452	3452	0	0	0	0	0	0	1
3452_3453	3452	3453	0	0	0	0	0	0	1
3453_3453	3453	3453	0	0	0	0	0	0	1
3453_3454	3453	3454	0	0	0	0	0	0	1
3454_3454	3454	3454	0	0	0	0	0	0	1
3454_3455	3454	3455	0	0	0	0	0	0	1
3455_3455	3455	3455	0	0	0	0	0	0	1
3455_3456	3455	3456	0	0	0	0	0	0	1
3456_3456	3456	3456	0	0	0	0	0	0	1
3456_3457	3456	3457	0	0	0	0	0	0	1
3457_3457	3457	3457	0	0	0	0	0	0	1
3457_3110	3457	3110	0	0	0	0	0	0	1.01
3460_3132	3460	3132	0	0	0	0	0	0	1.03
3460_3461	3460	3461	0	0	0	0	0	0	1
3461_3461	3461	3461	0	0	0	0	0	0	1
3461_3462	3461	3462	0	0	0	0	0	0	1
3462_3462	3462	3462	0	0	0	0	0	0	1
3462_3463	3462	3463	0	0	0	0	0	0	1
3463_3463	3463	3463	0	0	0	0	0	0	1
3463_3464	3463	3464	0	0	0	0	0	0	1
3464_3464	3464	3464	0	0	0	0	0	0	1
3464_3465	3464	3465	0	0	0	0	0	0	1
3465_3465	3465	3465	0	0	0	0	0	0	1
3465_3466	3465	3466	0	0	0	0	0	0	1
3466_3466	3466	3466	0	0	0	0	0	0	1
3466_3467	3466	3467	0	0	0	0	0	0	1
3467_3467	3467	3467	0	0	0	0	0	0	1
3467_3468	3467	3468	0	0	0	0	0	0	1
3468_3468	3468	3468	0	0	0	0	0	0	1
3468_3469	3468	3469	0	0	0	0	0	0	1
3469_3469	3469	3469	0	0	0	0	0	0	1
3469_3470	3469	3470	0	0	0	0	0	0	1
3470_3470	3470	3470	0	0	0	0	0	0	1
3470_3471	3470	3471	0	0	0	0	0	0	1
3471_3471	3471	3471	0	0	0	0	0	0	1
3471_3472	3471	3472	0	0	0	0	0	0	1
3472_3472	3472	3472	0	0	0	0	0	0	1
3472_3473	3472	3473	0	0	0	0	0	0	1
3473_3473	3473	3473	0	0	0	0	0	0	1
3473_3474	3473	3474	0	0	0	0	0	0	1
3474_3474	3474	3474	0	0	0	0	0	0	1
3474_3475	3474	3475	0	0	0	0	0	0	1
3475_3475	3475	3475	0	0	0	0	0	0	1
3475_3476	3475	3476	0	0	0	0	0	0	1
3476_3476	3476	3476	0	0	0	0	0	0	1
3476_3477	3476	3477	0	0	0	0	0	0	1
3477_3477	3477	3477	0	0	0	0	0	0	1
3477_3148	3477	3148	0	0	0	0	0	0	1
3480_3168	3480	3168	0	0	0	0	0	0	1
3480_3481	3480	3481	0	0	0	0	0	0	1
3481_3481	3481	3481	0	0	0	0	0	0	1
3481_3482	3481	3482	0	0	0	0	0	0	1
3482_3482	3482	3482	0	0	0	0	0	0	1

3482_3483	3482	3483	0	0	0	0	0	0	1
3483_3483	3483	3483	0	0	0	0	0	0	1
3483_3484	3483	3484	0	0	0	0	0	0	1
3484_3484	3484	3484	0	0	0	0	0	0	1
3484_3485	3484	3485	0	0	0	0	0	0	1
3485_3485	3485	3485	0	0	0	0	0	0	1
3485_3486	3485	3486	0	0	0	0	0	0	1
3486_3486	3486	3486	0	0	0	0	0	0	1
3486_3487	3486	3487	0	0	0	0	0	0	1
3487_3487	3487	3487	0	0	0	0	0	0	1
3487_3488	3487	3488	0	0	0	0	0	0	1
3488_3488	3488	3488	0	0	0	0	0	0	1
3488_3489	3488	3489	0	0	0	0	0	0	1
3489_3489	3489	3489	0	0	0	0	0	0	1
3489_3490	3489	3490	0	0	0	0	0	0	1
3490_3490	3490	3490	0	0	0	0	0	0	1
3490_3491	3490	3491	0	0	0	0	0	0	1
3491_3491	3491	3491	0	0	0	0	0	0	1
3491_3492	3491	3492	0	0	0	0	0	0	1
3492_3492	3492	3492	0	0	0	0	0	0	1
3492_3493	3492	3493	0	0	0	0	0	0	1
3493_3493	3493	3493	0	0	0	0	0	0	1
3493_3494	3493	3494	0	0	0	0	0	0	1
3494_3494	3494	3494	0	0	0	0	0	0	1
3494_3495	3494	3495	0	0	0	0	0	0	1
3495_3495	3495	3495	0	0	0	0	0	0	1
3495_3496	3495	3496	0	0	0	0	0	0	1
3496_3496	3496	3496	0	0	0	0	0	0	1
3496_3497	3496	3497	0	0	0	0	0	0	1
3497_3497	3497	3497	0	0	0	0	0	0	1
3497_3184	3497	3184	0	0	0	0	0	0	1.02
3500_3204	3500	3204	0	0	0	0	0	0	1.01
3500_3501	3500	3501	0	0	0	0	0	0	1
3501_3501	3501	3501	0	0	0	0	0	0	1
3501_3502	3501	3502	0	0	0	0	0	0	1
3502_3502	3502	3502	0	0	0	0	0	0	1
3502_3503	3502	3503	0	0	0	0	0	0	1
3503_3503	3503	3503	0	0	0	0	0	0	1
3503_3504	3503	3504	0	0	0	0	0	0	1
3504_3504	3504	3504	0	0	0	0	0	0	1
3504_3505	3504	3505	0	0	0	0	0	0	1
3505_3505	3505	3505	0	0	0	0	0	0	1
3505_3506	3505	3506	0	0	0	0	0	0	1
3506_3506	3506	3506	0	0	0	0	0	0	1
3506_3507	3506	3507	0	0	0	0	0	0	1
3507_3507	3507	3507	0	0	0	0	0	0	1
3507_3508	3507	3508	0	0	0	0	0	0	1
3508_3508	3508	3508	0	0	0	0	0	0	1
3508_3509	3508	3509	0	0	0	0	0	0	1
3509_3509	3509	3509	0	0	0	0	0	0	1
3509_3510	3509	3510	0	0	0	0	0	0	1
3510_3510	3510	3510	0	0	0	0	0	0	1
3510_3511	3510	3511	0	0	0	0	0	0	1
3511_3511	3511	3511	0	0	0	0	0	0	1
3511_3512	3511	3512	0	0	0	0	0	0	1
3512_3512	3512	3512	0	0	0	0	0	0	1

3512_3513	3512	3513	0	0	0	0	0	0	1
3513_3513	3513	3513	0	0	0	0	0	0	1
3513_3514	3513	3514	0	0	0	0	0	0	1
3514_3514	3514	3514	0	0	0	0	0	0	1
3514_3515	3514	3515	0	0	0	0	0	0	1
3515_3515	3515	3515	0	0	0	0	0	0	1
3515_3516	3515	3516	0	0	0	0	0	0	1
3516_3516	3516	3516	0	0	0	0	0	0	1
3516_3517	3516	3517	0	0	0	0	0	0	1
3517_3517	3517	3517	0	0	0	0	0	0	1
3517_3220	3517	3220	0	0	0	0	0	0	1
3520_3241	3520	3241	0	0	0	0	0	0	1
3520_3521	3520	3521	0	0	0	0	0	0	1
3521_3521	3521	3521	0	0	0	0	0	0	1
3521_3522	3521	3522	0	0	0	0	0	0	1
3522_3522	3522	3522	0	0	0	0	0	0	1
3522_3523	3522	3523	0	0	0	0	0	0	1
3523_3523	3523	3523	0	0	0	0	0	0	1
3523_3524	3523	3524	0	0	0	0	0	0	1
3524_3524	3524	3524	0	0	0	0	0	0	1
3524_3525	3524	3525	0	0	0	0	0	0	1
3525_3525	3525	3525	0	0	0	0	0	0	1
3525_3526	3525	3526	0	0	0	0	0	0	1
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3526_3527	3526	3527	0	0	0	0	0	0	1
3527_3527	3527	3527	0	0	0	0	0	0	1
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3528_3529	3528	3529	0	0	0	0	0	0	1
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3529_3530	3529	3530	0	0	0	0	0	0	1
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3530_3531	3530	3531	0	0	0	0	0	0	1
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3535_3536	3535	3536	0	0	0	0	0	0	1
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3537_3255	3537	3255	0	0	0	0	0	0	1.01
3540_3279	3540	3279	0	0	0	0	0	0	1.02
3540_3541	3540	3541	0	0	0	0	0	0	1
3541_3541	3541	3541	0	0	0	0	0	0	1
3541_3542	3541	3542	0	0	0	0	0	0	1
3542_3542	3542	3542	0	0	0	0	0	0	1
3542_3543	3542	3543	0	0	0	0	0	0	1
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3543_3544	3543	3544	0	0	0	0	0	0	1
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3545_3546	3545	3546	0	0	0	0	0	0	1
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3546_3547	3546	3547	0	0	0	0	0	0	1
3547_3547	3547	3547	0	0	0	0	0	0	1
3547_3548	3547	3548	0	0	0	0	0	0	1
3548_3548	3548	3548	0	0	0	0	0	0	1
3548_3549	3548	3549	0	0	0	0	0	0	1
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3549_3550	3549	3550	0	0	0	0	0	0	1
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3551_3552	3551	3552	0	0	0	0	0	0	1
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3554_3554	3554	3554	0	0	0	0	0	0	1
3554_3555	3554	3555	0	0	0	0	0	0	1
3555_3555	3555	3555	0	0	0	0	0	0	1
3555_3556	3555	3556	0	0	0	0	0	0	1
3556_3556	3556	3556	0	0	0	0	0	0	1
3556_3557	3556	3557	0	0	0	0	0	0	1
3557_3557	3557	3557	0	0	0	0	0	0	1
3557_3293	3557	3293	0	0	0	0	0	0	1.02
43000_3000	43000	3000	0.37	14.641	2.957	5.152	0	-0.678	1
43000_3001	43000	3001	-0.37	-14.641	-2.957	-5.152	-44.108	219.077	1
43001_3001	43001	3001	0.374	14.641	2.957	4.893	44.108	-219.083	1
43001_3002	43001	3002	-0.374	-14.641	-2.957	-4.893	-74.847	371.303	1
43002_3002	43002	3002	0.316	10.873	-3.814	5.138	74.847	-371.307	1
43002_3003	43002	3003	-0.316	-10.874	3.814	-5.138	-28.458	503.537	1
43003_3003	43003	3003	0.31	10.874	-3.815	4.264	28.458	-503.545	1
43003_3004	43003	3004	-0.31	-10.874	3.815	-4.264	17.966	635.855	1
43004_3004	43004	3004	0.346	8.062	0.713	3.473	-17.966	-635.899	1
43004_3005	43004	3005	-0.346	-8.062	-0.713	-3.473	9.284	733.97	1
43005_3005	43005	3005	0.346	8.062	0.713	2.799	-9.284	-733.972	1
43005_3006	43005	3006	-0.346	-8.062	-0.713	-2.799	0.6	832.113	1
43006_3006	43006	3006	0.339	4.567	-0.153	2.333	-0.6	-832.138	1
43006_3007	43006	3007	-0.339	-4.567	0.153	-2.333	2.45	887.689	1
43007_3007	43007	3007	0.338	4.567	-0.153	0.795	-2.45	-887.691	1
43007_3008	43007	3008	-0.338	-4.567	0.153	-0.795	4.307	943.275	1
43008_3008	43008	3008	0.343	0.914	0.314	0.159	-4.307	-943.245	1
43008_3009	43008	3009	-0.343	-0.913	-0.314	-0.159	0.485	954.364	1
43009_3009	43009	3009	0.343	0.913	0.314	-0.619	-0.485	-954.364	1
43009_3010	43009	3010	-0.343	-0.914	-0.314	0.619	-3.334	965.481	1
43010_3010	43010	3010	0.342	-2.336	0.062	-1.078	3.334	-965.475	1
43010_3011	43010	3011	-0.342	2.335	-0.062	1.078	-4.087	937.067	1
43011_3011	43011	3011	0.342	-2.335	0.061	-2.609	4.087	-937.065	1
43011_3012	43011	3012	-0.342	2.335	-0.061	2.609	-4.833	908.662	1
43012_3012	43012	3012	0.339	-5.265	-0.227	-2.749	4.833	-908.704	1
43012_3013	43012	3013	-0.339	5.266	0.227	2.749	-2.068	844.62	1
43013_3013	43013	3013	0.339	-5.266	-0.228	-3.439	2.068	-844.618	1
43013_3014	43013	3014	-0.339	5.265	0.228	3.439	0.7	780.542	1
43014_3014	43014	3014	0.341	-3.185	0.095	-2.843	-0.7	-780.551	1

43014_3015	43014	3015	-0.341	3.185	-0.095	2.843	-0.858	728.144	1
43015_3015	43015	3015	0.369	-3.182	0.095	-3.931	0.823	-727.949	1
43015_3016	43015	3016	-0.369	3.182	-0.095	3.931	-1.599	701.727	1
43016_3016	43016	3016	0.095	-11.81	-1.653	-3.056	-6.522	176.276	1
43016_3017	43016	3017	-0.095	11.81	1.653	3.056	25.959	-315.109	1.06
43017_3017	43017	3017	0.382	-11.804	-1.654	-2.211	-26.015	315.134	1.06
43017_3018	43017	3018	-0.382	11.804	1.654	2.211	47.946	-471.726	1.03
43018_3018	43018	3018	0.841	-13.87	2.557	-3.257	-48.156	471.721	1.03
43018_3019	43018	3019	-0.841	13.871	-2.557	3.257	16.102	-645.631	1.02
43019_3019	43019	3019	1.208	-13.842	2.557	-1.812	-16.079	645.637	1.02
43019_3020	43019	3020	-1.209	13.843	-2.557	1.812	-16.048	-819.578	1.02
43020_3020	43020	3020	-68.238	0.132	-5.7	-0.981	124.432	223.154	1.02
43020_3021	43020	3021	68.238	-0.132	5.7	0.981	-70.317	-221.9	1
43021_3021	43021	3021	-68.249	0.132	-5.569	0.789	70.317	205.413	1
43021_3022	43021	3022	68.249	-0.132	5.569	-0.789	-27.139	-204.389	1
43022_3022	43022	3022	-68.249	0.132	-5.569	0.789	27.139	204.389	1
43022_3023	43022	3023	68.249	-0.132	5.569	-0.789	16.037	-203.365	1
43023_3023	43023	3023	-68.232	-0.327	-0.056	-0.316	-16.037	203.373	1
43023_3024	43023	3024	68.232	0.327	0.056	0.316	16.487	-205.991	1
43024_3024	43024	3024	-68.232	-0.327	-0.056	-0.316	-16.487	205.991	1
43024_3025	43024	3025	68.232	0.327	0.056	0.316	16.937	-208.608	1
43025_3025	43025	3025	-68.231	-0.327	0.02	-0.083	-16.937	208.609	1
43025_3026	43025	3026	68.231	0.327	-0.02	0.083	16.776	-211.223	1
43026_3026	43026	3026	-68.232	-1.385	-0.039	-0.671	-16.776	211.214	1
43026_3027	43026	3027	68.232	1.386	0.039	0.671	17.008	-219.53	1
43027_3027	43027	3027	-68.232	-1.386	0.075	-0.307	-17.008	219.53	1
43027_3028	43027	3028	68.232	1.386	-0.075	0.307	16.56	-227.844	1
43028_3028	43028	3028	-68.232	-1.386	0.075	-0.307	-16.56	227.844	1
43028_3029	43028	3029	68.232	1.386	-0.075	0.307	16.113	-236.157	1
43029_3029	43029	3029	-68.232	-1.386	0.188	0.085	-16.113	236.158	1
43029_3030	43029	3030	68.232	1.385	-0.188	-0.085	14.986	-244.47	1
43030_3030	43030	3030	-68.237	-2.462	-0.21	-0.677	-14.986	244.467	1
43030_3031	43030	3031	68.237	2.462	0.21	0.677	16.67	-264.186	1
43031_3031	43031	3031	-68.236	-2.462	-0.133	-0.381	-16.67	264.186	1
43031_3032	43031	3032	68.236	2.462	0.133	0.381	17.74	-283.877	1
43032_3032	43032	3032	-68.237	-2.462	-0.049	-0.027	-17.74	283.877	1
43032_3033	43032	3033	68.237	2.462	0.049	0.027	18.131	-303.566	1
43033_3033	43033	3033	-68.201	-3.201	2.995	-1.413	-18.131	303.581	1
43033_3034	43033	3034	68.201	3.201	-2.995	1.413	-5.074	-328.377	1
43034_3034	43034	3034	-68.192	-3.201	3.179	-0.53	5.074	328.38	1
43034_3035	43034	3035	68.192	3.201	-3.179	0.53	-29.727	-353.201	1
43035_3035	43035	3035	-68.195	-3.201	3.14	0.067	29.727	370.54	1
43035_3036	43035	3036	68.195	3.201	-3.14	-0.067	-59.566	-400.957	1.01
43036_3036	43036	3036	-9.018	11.935	-1.309	0.734	3.26	950.204	1.01
43036_3037	43036	3037	9.017	-11.934	1.309	-0.734	13.185	-800.324	1.02
43037_3037	43037	3037	-9.329	11.693	-1.3	1.775	-13.213	800.323	1.02
43037_3038	43037	3038	9.329	-11.693	1.3	-1.775	29.52	-653.705	1.02
43038_3038	43038	3038	-9.726	8.784	0.377	0.308	-29.356	653.755	1.02
43038_3039	43038	3039	9.726	-8.784	-0.377	-0.308	24.361	-537.269	1.03
43039_3039	43039	3039	-16.799	91.012	0.764	14.488	-39.127	12229.53	1.03
43039_3040	43039	3040	16.799	-91.012	-0.764	-14.488	30.14	-11159.2	1.05
43040_3040	43040	3040	-18.416	79.364	1.403	-5.157	-29.715	11159.77	1.05
43040_3041	43040	3041	18.416	-79.363	-1.403	5.157	18.139	-10504.8	1.07
43041_3041	43041	3041	-19.111	79.199	1.422	5.369	-18.184	10499.35	1.07
43041_3042	43041	3042	19.111	-79.199	-1.422	-5.369	-4.588	-9231.27	1
43042_3042	43042	3042	-19.126	75.269	-0.395	-1.526	4.588	9231.496	1

43042_3043	43042	3043	19.126	-75.269	0.395	1.526	0.134	-8331.76	1
43043_3043	43043	3043	-19.126	75.269	-0.379	5.419	-0.134	8331.76	1
43043_3044	43043	3044	19.126	-75.269	0.379	-5.419	4.665	-7432.09	1
43044_3044	43044	3044	-19.121	73.485	0.144	-4.654	-4.665	7432.251	1
43044_3045	43044	3045	19.121	-73.485	-0.144	4.654	2.945	-6553.97	1
43045_3045	43045	3045	-19.121	73.485	0.177	6.726	-2.945	6553.964	1
43045_3046	43045	3046	19.121	-73.485	-0.177	-6.726	0.828	-5675.07	1
43046_3046	43046	3046	-19.123	70.996	-0.019	-0.155	-0.828	5675.204	1
43046_3047	43046	3047	19.123	-70.995	0.019	0.155	1.046	-4826.91	1
43047_3047	43047	3047	-19.123	70.995	-0.017	0.169	-1.046	4826.905	1
43047_3048	43047	3048	19.123	-70.995	0.017	-0.169	1.249	-3977.9	1
43048_3048	43048	3048	-19.125	68.747	-0.274	-0.832	-1.249	3978.013	1
43048_3049	43048	3049	19.125	-68.747	0.274	0.832	4.519	-3156.06	1
43049_3049	43049	3049	-19.125	68.747	-0.275	-1.038	-4.519	3156.061	1
43049_3050	43049	3050	19.125	-68.747	0.275	1.038	7.801	-2334.79	1
43050_3050	43050	3050	-19.131	68.028	-0.543	-1.632	-7.801	2334.82	1
43050_3051	43050	3051	19.131	-68.028	0.543	1.632	16.485	-1246.65	1.15
43051_3051	43051	3051	-19.702	67.865	-0.533	-0.892	-16.493	1248.535	1.15
43051_3052	43051	3052	19.702	-67.865	0.533	0.892	20.891	-688.4	1.06
43052_3052	43052	3052	-20.669	62.747	-0.635	-1.092	-20.916	688.411	1.06
43052_3053	43052	3053	20.669	-62.747	0.635	1.092	28.375	49.179	1.03
43053_3053	43053	3053	-24.261	66.462	-0.469	-0.79	-34.905	-417.19	1.03
43053_3054	43053	3054	24.261	-66.462	0.469	0.79	41.129	1298.564	1.02
43054_3054	43054	3054	-25.805	64.601	2.076	0.589	-41.11	-1298.58	1.02
43054_3055	43054	3055	25.805	-64.601	-2.076	-0.589	15.085	2108.465	1.01
43055_3055	43055	3055	-27.472	63.909	2.109	-2.367	-15.403	-2108.46	1.01
43055_3056	43055	3056	27.472	-63.909	-2.109	2.367	-11.095	2911.409	1.01
43056_3056	43056	3056	167.697	20.739	-1.1	1.115	1.859	188.635	1.01
43056_3057	43056	3057	-167.697	-20.738	1.1	-1.115	8.592	8.429	1
43057_3057	43057	3057	167.696	20.738	-1.316	1.175	-8.592	0.586	1
43057_3058	43057	3058	-167.696	-20.739	1.316	-1.175	18.788	160.086	1
43058_3058	43058	3058	167.696	20.739	-1.316	1.175	-18.788	-160.086	1
43058_3059	43058	3059	-167.696	-20.739	1.316	-1.175	28.984	320.758	1
43059_3059	43059	3059	167.708	19.882	1.095	1.208	-28.984	-320.762	1
43059_3060	43059	3060	-167.708	-19.881	-1.095	-1.208	20.216	479.963	1
43060_3060	43060	3060	167.71	19.881	0.9	0.649	-20.216	-479.964	1
43060_3061	43060	3061	-167.71	-19.882	-0.9	-0.649	13.022	638.954	1
43061_3061	43061	3061	167.71	19.882	0.9	0.649	-13.022	-638.954	1
43061_3062	43061	3062	-167.71	-19.882	-0.9	-0.649	5.827	797.945	1
43062_3062	43062	3062	167.713	18.858	0.938	1.09	-5.827	-797.965	1
43062_3063	43062	3063	-167.713	-18.859	-0.938	-1.09	0.195	911.154	1
43063_3063	43063	3063	167.713	18.859	0.938	1.09	-0.195	-911.154	1
43063_3064	43063	3064	-167.713	-18.858	-0.938	-1.09	-5.438	1024.341	1
43064_3064	43064	3064	167.713	18.858	0.938	1.09	5.438	-1024.34	1
43064_3065	43064	3065	-167.713	-18.858	-0.938	-1.09	-11.07	1137.529	1
43065_3065	43065	3065	167.715	18.858	0.677	-0.684	11.07	-1137.53	1
43065_3066	43065	3066	-167.715	-18.858	-0.677	0.684	-15.125	1250.518	1
43066_3066	43066	3066	167.711	17.705	0.282	1.746	15.125	-1250.56	1
43066_3067	43066	3067	-167.711	-17.705	-0.282	-1.746	-17.383	1392.292	1
43067_3067	43067	3067	167.711	17.705	0.282	1.746	17.383	-1392.29	1
43067_3068	43067	3068	-167.711	-17.705	-0.282	-1.746	-19.642	1534.023	1
43068_3068	43068	3068	167.711	17.705	-0.124	-1.968	19.642	-1534.02	1
43068_3069	43068	3069	-167.711	-17.705	0.124	1.968	-18.65	1675.555	1
43069_3069	43069	3069	167.779	18	5.006	2.575	18.65	-1675.61	1
43069_3070	43069	3070	-167.779	-18	-5.006	-2.575	-57.465	1815.171	1
43070_3070	43070	3070	167.785	18	4.803	0.373	57.465	-1815.17	1

43070_3071	43070	3071	-167.785	-18	-4.803	-0.373	-94.65	1954.549	1
43071_3071	43071	3071	167.791	18	4.583	-1.838	94.65	-1967.21	1
43071_3072	43071	3072	-167.791	-18	-4.583	1.838	-138.211	2138.304	1.01
43072_3072	43072	3072	-15.954	-19.051	-1.832	4.513	33.628	-5553.17	1.01
43072_3073	43072	3073	15.954	19.052	1.832	-4.513	-10.608	5313.815	1.01
43073_3073	43073	3073	-15.454	-19.461	-1.821	0.002	11.039	-5313.82	1.01
43073_3074	43073	3074	15.454	19.46	1.821	-0.002	11.787	5069.896	1.01
43074_3074	43074	3074	-15.145	-24.141	0.402	4.414	-11.989	-5070.1	1.01
43074_3075	43074	3075	15.145	24.141	-0.402	-4.414	6.659	4749.851	1.03
43075_3075	43075	3075	-10.019	56.707	0.869	12.626	-1.375	7792.159	1.03
43075_3076	43075	3076	10.019	-56.707	-0.869	-12.626	-8.848	-7125.32	1.03
43076_3076	43076	3076	-11.032	45.223	0.519	-6.166	9.207	7125.685	1.03
43076_3077	43076	3077	11.032	-45.223	-0.519	6.166	-13.488	-6752.98	1
43077_3077	43077	3077	-11.412	45.128	0.542	7.431	13.436	6757.062	1
43077_3078	43077	3078	11.412	-45.129	-0.542	-7.431	-21.325	-6100.52	1
43078_3078	43078	3078	-11.418	44.169	-0.168	2.089	21.325	6100.691	1
43078_3079	43078	3079	11.418	-44.17	0.168	-2.089	-19.439	-5604.54	1
43079_3079	43079	3079	-11.418	44.17	-0.168	2.089	19.439	5604.538	1
43079_3080	43079	3080	11.418	-44.169	0.168	-2.089	-17.555	-5108.39	1
43080_3080	43080	3080	-11.418	41.956	-0.11	-0.749	17.555	5108.446	1
43080_3081	43080	3081	11.418	-41.955	0.11	0.749	-16.316	-4636.78	1
43081_3081	43081	3081	-11.419	41.955	-0.101	3.184	16.316	4636.777	1
43081_3082	43081	3082	11.419	-41.955	0.101	-3.184	-15.188	-4165.55	1
43082_3082	43082	3082	-11.421	39.464	-0.228	-1.45	15.188	4165.602	1
43082_3083	43082	3083	11.421	-39.464	0.228	1.45	-12.425	-3689.21	1
43083_3083	43083	3083	-11.421	39.464	-0.219	1.735	12.425	3689.207	1
43083_3084	43083	3084	11.421	-39.464	0.219	-1.735	-9.779	-3212.44	1
43084_3084	43084	3084	-11.42	36.983	-0.158	-2.278	9.779	3212.5	1
43084_3085	43084	3085	11.42	-36.982	0.158	2.278	-8.004	-2797.2	1
43085_3085	43085	3085	-11.421	36.982	-0.148	0.314	8.004	2797.197	1
43085_3086	43085	3086	11.421	-36.982	0.148	-0.314	-6.347	-2381.54	1
43086_3086	43086	3086	-11.423	34.521	-0.26	-2.673	6.347	2381.618	1
43086_3087	43086	3087	11.423	-34.521	0.26	2.673	-3.418	-1993.65	1
43087_3087	43087	3087	-11.422	34.521	-0.251	-0.968	3.418	1993.655	1
43087_3088	43087	3088	11.422	-34.521	0.251	0.968	-0.603	-1606.05	1
43088_3088	43088	3088	-11.426	33.651	-0.613	-2.672	0.603	1606.08	1
43088_3089	43088	3089	11.426	-33.651	0.613	2.672	7.977	-1135.31	1.08
43089_3089	43089	3089	-11.716	33.551	-0.604	-1.544	-7.991	1133.143	1.08
43089_3090	43089	3090	11.716	-33.552	0.604	1.544	12.976	-856.15	1.08
43090_3090	43090	3090	-12.133	27.978	-1.159	-2.272	-13.024	856.187	1.08
43090_3091	43090	3091	12.133	-27.979	1.159	2.272	26.646	-527.416	1.02
43091_3091	43091	3091	-14.794	31.405	-0.932	-1.576	-30.481	237.409	1.02
43091_3092	43091	3092	14.795	-31.406	0.932	1.576	42.845	179.158	1.02
43092_3092	43092	3092	-15.405	28.917	1.709	-1.851	-42.972	-179.179	1.02
43092_3093	43092	3093	15.405	-28.917	-1.709	1.851	21.538	541.848	1.02
43093_3093	43093	3093	-16.155	28.505	1.72	-1.705	-21.621	-541.845	1.02
43093_3094	43093	3094	16.154	-28.505	-1.72	1.705	0.026	899.875	1
43094_3094	43094	3094	55.871	12.63	-3.094	-0.263	52.546	457.822	1
43094_3095	43094	3095	-55.871	-12.63	3.094	0.263	-23.131	-337.783	1
43095_3095	43095	3095	55.865	12.63	-3.212	0.575	23.131	340.02	1
43095_3096	43095	3096	-55.865	-12.63	3.212	-0.575	1.742	-242.226	1
43096_3096	43096	3096	55.865	12.63	-3.214	0.583	-1.742	242.226	1
43096_3097	43096	3097	-55.865	-12.63	3.214	-0.583	26.663	-144.305	1
43097_3097	43097	3097	55.882	11.965	0.605	0.055	-26.663	144.308	1
43097_3098	43097	3098	-55.882	-11.964	-0.605	-0.055	21.815	-48.556	1
43098_3098	43098	3098	55.883	11.964	0.538	0.113	-21.815	48.557	1

43098_3099	43098	3099	-55.883	-11.965	-0.538	-0.113	17.517	47.072	1
43099_3099	43099	3099	55.883	11.965	0.536	0.113	-17.517	-47.072	1
43099_3100	43099	3100	-55.883	-11.965	-0.536	-0.113	13.227	142.82	1
43100_3100	43100	3100	55.88	10.901	0.106	-0.948	-13.227	-142.815	1
43100_3101	43100	3101	-55.88	-10.901	-0.106	0.948	12.595	208.241	1
43101_3101	43101	3101	55.88	10.901	0.106	-0.948	-12.595	-208.241	1
43101_3102	43101	3102	-55.88	-10.901	-0.106	0.948	11.963	273.667	1
43102_3102	43102	3102	55.878	10.901	0.573	1.346	-11.963	-273.665	1
43102_3103	43102	3103	-55.878	-10.901	-0.573	-1.346	8.524	338.998	1
43103_3103	43103	3103	55.878	10.901	0.478	0.763	-8.524	-338.999	1
43103_3104	43103	3104	-55.878	-10.901	-0.478	-0.763	5.658	404.437	1
43104_3104	43104	3104	55.877	9.751	-0.106	0.407	-5.658	-404.437	1
43104_3105	43104	3105	-55.877	-9.751	0.106	-0.407	6.502	482.484	1
43105_3105	43105	3105	55.878	9.751	-0.173	-0.177	-6.502	-482.483	1
43105_3106	43105	3106	-55.878	-9.751	0.173	0.177	7.885	560.43	1
43106_3106	43106	3106	55.878	9.751	-0.175	-0.199	-7.885	-560.43	1
43106_3107	43106	3107	-55.878	-9.752	0.175	0.199	9.287	638.472	1
43107_3107	43107	3107	55.893	9.584	3.861	0.094	-9.287	-638.475	1
43107_3108	43107	3108	-55.893	-9.584	-3.861	-0.094	-20.65	712.781	1
43108_3108	43108	3108	55.893	9.584	3.863	0.121	20.65	-712.781	1
43108_3109	43108	3109	-55.893	-9.584	-3.863	-0.121	-50.566	786.991	1
43109_3109	43109	3109	55.897	9.584	3.804	-0.506	50.566	-789.972	1
43109_3110	43109	3110	-55.897	-9.584	-3.804	0.506	-86.722	881.053	1.01
43110_3110	43110	3110	-12.449	-2.791	-1.825	3.668	16.297	-2446.38	1.01
43110_3111	43110	3111	12.45	2.791	1.825	-3.668	6.616	2411.336	1.01
43111_3111	43111	3111	-12.375	-3.115	-1.805	-0.055	-6.224	-2411.34	1.01
43111_3112	43111	3112	12.375	3.115	1.805	0.055	28.854	2372.284	1.01
43112_3112	43112	3112	-12.466	-7.282	0.962	1.875	-28.908	-2372.32	1.01
43112_3113	43112	3113	12.466	7.283	-0.962	-1.875	16.139	2275.675	1.03
43113_3113	43113	3113	-7.707	75.019	1.297	12.019	-28.029	10336.02	1.03
43113_3114	43113	3114	7.707	-75.018	-1.297	-12.019	12.792	-9454.81	1.03
43114_3114	43114	3114	-9.031	64.895	0.918	2.686	-12.51	9455.048	1.03
43114_3115	43114	3115	9.031	-64.895	-0.918	-2.686	4.933	-8919.53	1.11
43115_3115	43115	3115	-9.592	64.815	0.918	2.023	-4.91	8919.946	1.11
43115_3116	43115	3116	9.592	-64.814	-0.918	-2.023	-8.395	-7979.94	1
43116_3116	43116	3116	-9.592	61.997	-0.386	-4.095	8.395	7979.892	1
43116_3117	43116	3117	9.592	-61.996	0.386	4.095	-4.051	-7282.93	1
43117_3117	43117	3117	-9.592	61.996	-0.37	8.75	4.051	7282.923	1
43117_3118	43117	3118	9.592	-61.997	0.37	-8.75	0.1	-6586.6	1
43118_3118	43118	3118	-9.59	60.325	0.148	-3.605	-0.1	6586.648	1
43118_3119	43118	3119	9.59	-60.325	-0.148	3.605	-1.565	-5909.1	1
43119_3119	43119	3119	-9.59	60.325	0.165	6.916	1.565	5909.1	1
43119_3120	43119	3120	9.59	-60.325	-0.165	-6.916	-3.422	-5231.57	1
43120_3120	43120	3120	-9.591	57.612	-0.048	-1.154	3.422	5231.519	1
43120_3121	43120	3121	9.591	-57.612	0.048	1.154	-2.836	-4536.07	1
43121_3121	43121	3121	-9.591	57.612	-0.04	2.603	2.836	4536.07	1
43121_3122	43121	3122	9.591	-57.612	0.04	-2.603	-2.347	-3840.63	1
43122_3122	43122	3122	-9.59	54.789	0.068	-1.84	2.347	3840.626	1
43122_3123	43122	3123	9.59	-54.789	-0.068	1.84	-3.109	-3225.31	1
43123_3123	43123	3123	-9.59	54.789	0.077	1.063	3.109	3225.308	1
43123_3124	43123	3124	9.59	-54.789	-0.077	-1.063	-3.97	-2609.45	1
43124_3124	43124	3124	-9.59	51.617	-0.128	-3.174	3.97	2609.451	1
43124_3125	43124	3125	9.59	-51.616	0.128	3.174	-2.528	-2029.77	1
43125_3125	43125	3125	-9.591	51.616	-0.111	0.441	2.528	2029.772	1
43125_3126	43125	3126	9.591	-51.616	0.111	-0.441	-1.277	-1450.1	1
43126_3126	43126	3126	-9.595	50.195	-0.585	-2.355	1.277	1450.054	1

43126_3127	43126	3127	9.595	-50.196	0.585	2.355	6.804	-756.839	1
43127_3127	43127	3127	-10.019	50.113	-0.574	-1.255	-6.815	754.338	1
43127_3128	43127	3128	10.02	-50.113	0.574	1.255	11.55	-340.89	1
43128_3128	43128	3128	-10.653	43.374	-2.594	-2.728	-11.609	340.837	1
43128_3129	43128	3129	10.652	-43.374	2.594	2.728	42.099	168.968	1.07
43129_3129	43129	3129	-16.057	48.347	-3.391	-1.617	-42.734	-607.598	1.07
43129_3130	43129	3130	16.057	-48.347	3.391	1.617	87.722	1249	1.04
43130_3130	43130	3130	-17.125	46.003	8.823	-0.419	-87.811	-1249.05	1.04
43130_3131	43130	3131	17.125	-46.003	-8.823	0.419	-22.788	1825.713	1.03
43131_3131	43131	3131	-18.638	45.409	8.832	-2.424	22.625	-1825.71	1.03
43131_3132	43131	3132	18.637	-45.41	-8.832	2.424	-126.395	2359.226	1.03
43132_3132	43132	3132	122.865	9.618	-11.372	-1.3	197.391	103.653	1.03
43132_3133	43132	3133	-122.865	-9.618	11.372	1.3	-80.254	-4.586	1
43133_3133	43133	3133	122.88	9.618	-11.214	1.113	80.254	31.08	1
43133_3134	43133	3134	-122.88	-9.618	11.214	-1.113	6.654	43.462	1
43134_3134	43134	3134	123.002	9.618	-9.792	1.614	-6.654	-43.445	1
43134_3135	43134	3135	-123.002	-9.618	9.792	-1.614	82.845	118.282	1
43135_3135	43135	3135	122.818	10.621	3.159	0.274	-82.845	-118.298	1
43135_3136	43135	3136	-122.818	-10.622	-3.159	-0.274	57.566	203.279	1
43136_3136	43136	3136	122.818	10.622	3.159	0.274	-57.566	-203.279	1
43136_3137	43136	3137	-122.818	-10.622	-3.159	-0.274	32.287	288.261	1
43137_3137	43137	3137	122.822	10.622	3.008	-0.081	-32.287	-288.261	1
43137_3138	43137	3138	-122.822	-10.622	-3.008	0.081	8.248	373.135	1
43138_3138	43138	3138	122.865	9.65	0.14	0.277	-8.248	-373.152	1
43138_3139	43138	3139	-122.865	-9.651	-0.14	-0.277	7.405	431.064	1
43139_3139	43139	3139	122.865	9.651	0.14	0.277	-7.405	-431.064	1
43139_3140	43139	3140	-122.865	-9.651	-0.14	-0.277	6.563	488.976	1
43140_3140	43140	3140	122.866	9.651	-0.065	-0.537	-6.563	-488.976	1
43140_3141	43140	3141	-122.866	-9.65	0.065	0.537	6.95	546.886	1
43141_3141	43141	3141	122.865	9.65	0.14	0.374	-6.95	-546.887	1
43141_3142	43141	3142	-122.865	-9.651	-0.14	-0.374	6.107	604.799	1
43142_3142	43142	3142	122.865	8.492	-0.042	0.087	-6.107	-604.813	1
43142_3143	43142	3143	-122.865	-8.492	0.042	-0.087	6.443	672.765	1
43143_3143	43143	3143	122.865	8.492	-0.195	-0.754	-6.443	-672.764	1
43143_3144	43143	3144	-122.865	-8.493	0.195	0.754	8.006	740.714	1
43144_3144	43144	3144	122.865	8.493	-0.042	0.172	-8.006	-740.714	1
43144_3145	43144	3145	-122.865	-8.493	0.042	-0.172	8.34	808.665	1
43145_3145	43145	3145	122.808	8.564	3.792	-1.147	-8.34	-808.675	1
43145_3146	43145	3146	-122.808	-8.564	-3.792	1.147	-21.048	875.051	1
43146_3146	43146	3146	122.803	8.564	3.95	-0.019	21.048	-875.051	1
43146_3147	43146	3147	-122.803	-8.564	-3.95	0.019	-51.664	941.428	1
43147_3147	43147	3147	122.808	8.564	3.829	-0.224	51.664	-964.583	1
43147_3148	43147	3148	-122.808	-8.563	-3.829	0.224	-88.045	1045.948	1
43148_3148	43148	3148	-7.837	-14.94	-1.333	1.36	6.723	-3777.34	1
43148_3149	43148	3149	7.836	14.94	1.333	-1.36	10.013	3589.758	1
43149_3149	43149	3149	-7.442	-15.14	-1.333	1.575	-9.971	-3589.76	1
43149_3150	43149	3150	7.442	15.14	1.333	-1.575	26.683	3399.953	1
43150_3150	43150	3150	-7.336	-20.137	0.933	1.419	-26.594	-3399.96	1
43150_3151	43150	3151	7.336	20.138	-0.933	-1.419	14.209	3132.768	1
43151_3151	43151	3151	-2.086	73.523	0.071	1.039	-29.316	8909.159	1
43151_3152	43151	3152	2.086	-73.524	-0.071	-1.039	28.475	-8044.89	1
43152_3152	43152	3152	-3.376	62.414	1.456	2.879	-28.467	8044.859	1
43152_3153	43152	3153	3.376	-62.414	-1.456	-2.879	16.455	-7529.87	1
43153_3153	43153	3153	-3.901	62.383	1.455	0.935	-16.43	7529.415	1
43153_3154	43153	3154	3.901	-62.383	-1.455	-0.935	-3.561	-6672.16	1
43154_3154	43154	3154	-3.877	58.405	-0.125	-1.345	3.561	6672.165	1

43154_3155	43154	3155	3.877	-58.404	0.125	1.345	-2.195	-6029.64	1
43155_3155	43155	3155	-3.877	58.404	-0.12	4.134	2.195	6029.633	1
43155_3156	43155	3156	3.877	-58.404	0.12	-4.134	-0.87	-5387.11	1
43156_3156	43156	3156	-3.884	56.697	0.28	0.658	0.87	5387.104	1
43156_3157	43156	3157	3.884	-56.698	-0.28	-0.658	-3.671	-4819.49	1
43157_3157	43157	3157	-3.884	56.698	0.28	0.658	3.671	4819.491	1
43157_3158	43157	3158	3.884	-56.697	-0.28	-0.658	-6.473	-4251.88	1
43158_3158	43158	3158	-3.878	54.209	-0.174	-0.292	6.473	4251.812	1
43158_3159	43158	3159	3.878	-54.209	0.174	0.292	-4.729	-3709.11	1
43159_3159	43159	3159	-3.878	54.209	-0.174	-0.233	4.729	3709.111	1
43159_3160	43159	3160	3.878	-54.209	0.174	0.233	-2.984	-3165.87	1
43160_3160	43160	3160	-3.873	51.36	-0.415	-2.362	2.984	3165.906	1
43160_3161	43160	3161	3.873	-51.36	0.415	2.362	1.569	-2601.38	1
43161_3161	43161	3161	-3.874	51.36	-0.41	0.041	-1.569	2601.379	1
43161_3162	43161	3162	3.874	-51.361	0.41	-0.041	6.088	-2036.35	1
43162_3162	43162	3162	-3.875	50.166	-0.307	-1.244	-6.088	2036.345	1
43162_3163	43162	3163	3.875	-50.166	0.307	1.244	10.316	-1346.47	1
43163_3163	43163	3163	-4.291	50.132	-0.312	-2.51	-10.339	1346.695	1
43163_3164	43163	3164	4.291	-50.132	0.312	2.51	12.904	-933.53	1
43164_3164	43164	3164	-4.897	43.015	-1.314	-1.317	-12.918	933.479	1
43164_3165	43164	3165	4.898	-43.014	1.314	1.317	28.364	-427.856	1
43165_3165	43165	3165	-11.166	49.617	-0.999	-1.598	-27.588	-130.008	1
43165_3166	43165	3166	11.166	-49.616	0.999	1.598	40.837	788.304	1
43166_3166	43166	3166	-12.258	46.855	1.88	-1.809	-40.956	-788.326	1
43166_3167	43166	3167	12.257	-46.854	-1.88	1.809	17.382	1375.691	1
43167_3167	43167	3167	-13.475	46.519	1.88	-1.355	-17.424	-1375.69	1
43167_3168	43167	3168	13.475	-46.519	-1.88	1.355	-6.203	1960.18	1
43168_3168	43168	3168	116.313	13.22	-4.483	-0.091	94.505	405.698	1
43168_3169	43168	3169	-116.313	-13.219	4.483	0.091	-51.911	-280.095	1
43169_3169	43169	3169	116.307	13.219	-4.641	1.315	51.911	305.787	1
43169_3170	43169	3170	-116.307	-13.22	4.641	-1.315	-15.94	-203.324	1
43170_3170	43170	3170	116.307	13.22	-4.641	1.315	15.94	203.324	1
43170_3171	43170	3171	-116.307	-13.219	4.641	-1.315	20.032	-100.861	1
43171_3171	43171	3171	116.22	12.879	0.447	0.291	-20.032	100.853	1
43171_3172	43171	3172	-116.22	-12.878	-0.447	-0.291	16.454	2.059	1
43172_3172	43172	3172	116.22	12.878	0.445	0.291	-16.454	-2.059	1
43172_3173	43172	3173	-116.22	-12.879	-0.445	-0.291	12.892	105.101	1
43173_3173	43173	3173	116.22	12.879	0.445	0.291	-12.892	-105.101	1
43173_3174	43173	3174	-116.22	-12.878	-0.445	-0.291	9.33	208.143	1
43174_3174	43174	3174	116.221	12.057	0.155	-0.15	-9.33	-208.16	1
43174_3175	43174	3175	-116.221	-12.057	-0.155	0.15	8.401	280.51	1
43175_3175	43175	3175	116.22	12.057	0.348	0.317	-8.401	-280.51	1
43175_3176	43175	3176	-116.22	-12.057	-0.348	-0.317	6.309	352.862	1
43176_3176	43176	3176	116.221	12.057	0.155	-0.27	-6.309	-352.862	1
43176_3177	43176	3177	-116.221	-12.057	-0.155	0.27	5.38	425.212	1
43177_3177	43177	3177	116.22	12.057	0.348	0.438	-5.38	-425.212	1
43177_3178	43177	3178	-116.22	-12.057	-0.348	-0.438	3.289	497.564	1
43178_3178	43178	3178	116.232	11.033	-0.452	0.115	-3.289	-497.566	1
43178_3179	43178	3179	-116.232	-11.034	0.452	-0.115	6.907	585.843	1
43179_3179	43179	3179	116.232	11.034	-0.452	0.115	-6.907	-585.843	1
43179_3180	43179	3180	-116.232	-11.033	0.452	-0.115	10.525	674.121	1
43180_3180	43180	3180	116.232	11.033	-0.597	-0.726	-10.525	-674.12	1
43180_3181	43180	3181	-116.232	-11.034	0.597	0.726	15.306	762.396	1
43181_3181	43181	3181	116.123	11.383	5.509	-0.452	-15.306	-762.408	1
43181_3182	43181	3182	-116.123	-11.383	-5.509	0.452	-27.335	850.527	1
43182_3182	43182	3182	116.131	11.383	5.357	-1.567	27.335	-850.526	1

43182_3183	43182	3183	-116.131	-11.383	-5.357	1.567	-68.85	938.758	1
43183_3183	43183	3183	116.129	11.383	5.391	-0.324	68.85	-959.362	1
43183_3184	43183	3184	-116.129	-11.383	-5.391	0.324	-120.075	1067.518	1.02
43184_3184	43184	3184	-11.519	-17.075	-2.147	1.608	22.868	-3731.96	1.02
43184_3185	43184	3185	11.519	17.074	2.147	-1.608	4.1	3517.434	1.03
43185_3185	43185	3185	-11.072	-17.369	-2.147	1.714	-4.056	-3517.43	1.03
43185_3186	43185	3186	11.072	17.368	2.147	-1.714	30.963	3299.713	1.04
43186_3186	43186	3186	-10.903	-22.136	0.726	1.636	-30.869	-3299.72	1.04
43186_3187	43186	3187	10.903	22.137	-0.726	-1.636	21.243	3006.02	1.08
43187_3187	43187	3187	1.553	71.633	0.79	-0.445	-30.707	8968.582	1.08
43187_3188	43187	3188	-1.554	-71.632	-0.79	0.445	21.431	-8126.56	1.08
43188_3188	43188	3188	0.335	59.319	0.773	2.503	-21.456	8126.544	1.08
43188_3189	43188	3189	-0.334	-59.319	-0.773	-2.503	15.08	-7637.08	1
43189_3189	43189	3189	-0.151	59.319	0.772	0.554	-15.059	7637.057	1
43189_3190	43189	3190	0.151	-59.32	-0.772	-0.554	4.44	-6821.9	1
43190_3190	43190	3190	-0.143	57.181	0.24	0.969	-4.44	6821.941	1
43190_3191	43190	3191	0.143	-57.182	-0.24	-0.969	1.798	-6192.86	1
43191_3191	43191	3191	-0.143	57.182	0.24	0.969	-1.798	6192.858	1
43191_3192	43191	3192	0.143	-57.181	-0.24	-0.969	-0.845	-5563.78	1
43192_3192	43192	3192	-0.142	54.896	0.169	0.021	0.845	5563.72	1
43192_3193	43192	3193	0.142	-54.896	-0.169	-0.021	-2.549	-5010.85	1
43193_3193	43193	3193	-0.142	54.896	0.169	0.021	2.549	5010.85	1
43193_3194	43193	3194	0.142	-54.895	-0.169	-0.021	-4.254	-4457.98	1
43194_3194	43194	3194	-0.114	52.655	-1.355	-1.096	4.254	4457.958	1
43194_3195	43194	3195	0.114	-52.655	1.355	1.096	9.388	-3927.66	1
43195_3195	43195	3195	-0.114	52.655	-1.355	-1.096	-9.388	3927.662	1
43195_3196	43195	3196	0.114	-52.655	1.355	1.096	23.031	-3397.37	1
43196_3196	43196	3196	-0.149	50.548	0.124	-0.897	-23.031	3397.373	1
43196_3197	43196	3197	0.149	-50.548	-0.124	0.897	21.671	-2841.79	1
43197_3197	43197	3197	-0.149	50.548	0.124	-3.44	-21.671	2841.788	1
43197_3198	43197	3198	0.149	-50.547	-0.124	3.44	20.311	-2285.69	1
43198_3198	43198	3198	-0.129	50.058	-0.761	-2.612	-20.311	2285.69	1
43198_3199	43198	3199	0.129	-50.059	0.761	2.612	30.779	-1597.29	1.03
43199_3199	43199	3199	-0.535	50.056	-0.761	-2.145	-30.798	1597.324	1.03
43199_3200	43199	3200	0.535	-50.056	0.761	2.145	37.078	-1184.3	1.03
43200_3200	43200	3200	-1.15	43.667	-1.126	-2.166	-37.121	1184.29	1.03
43200_3201	43200	3201	1.149	-43.667	1.126	2.166	50.344	-671.427	1.03
43201_3201	43201	3201	-6.233	50.203	-0.83	-1.444	-55.146	105.087	1.03
43201_3202	43201	3202	6.233	-50.204	0.83	1.444	66.162	560.976	1.02
43202_3202	43202	3202	-7.389	48.321	2.09	-1.964	-66.333	-561.029	1.02
43202_3203	43202	3203	7.39	-48.32	-2.09	1.964	40.143	1166.712	1.01
43203_3203	43203	3203	-8.621	48.117	2.09	-0.939	-40.18	-1166.71	1.01
43203_3204	43203	3204	8.621	-48.116	-2.09	0.939	13.933	1771.152	1.01
43204_3204	43204	3204	138.233	14.952	-2.561	1.242	15.389	761.816	1.01
43204_3205	43204	3205	-138.233	-14.952	2.561	-1.242	8.945	-619.756	1
43205_3205	43205	3205	138.236	14.952	-2.425	1.339	-8.945	660.075	1
43205_3206	43205	3206	-138.236	-14.952	2.425	-1.339	27.741	-544.181	1
43206_3206	43206	3206	138.233	14.952	-2.603	2.041	-27.741	544.179	1
43206_3207	43206	3207	-138.233	-14.952	2.603	-2.041	47.918	-428.288	1
43207_3207	43207	3207	138.15	14.505	1.03	1.054	-47.918	428.28	1
43207_3208	43207	3208	-138.15	-14.505	-1.03	-1.054	39.68	-312.221	1
43208_3208	43208	3208	138.149	14.505	1.033	1.049	-39.68	312.221	1
43208_3209	43208	3209	-138.149	-14.505	-1.033	-1.049	31.43	-196.308	1
43209_3209	43209	3209	138.151	14.505	0.857	1.298	-31.43	196.307	1
43209_3210	43209	3210	-138.151	-14.506	-0.857	-1.298	24.573	-80.251	1
43210_3210	43210	3210	138.163	13.62	0.399	0.988	-24.573	80.238	1

43210_3211	43210	3211	-138.163	-13.62	-0.399	-0.988	22.178	1.496	1
43211_3211	43211	3211	138.163	13.62	0.399	0.988	-22.178	-1.496	1
43211_3212	43211	3212	-138.163	-13.621	-0.399	-0.988	19.781	83.228	1
43212_3212	43212	3212	138.164	13.621	0.169	0.849	-19.781	-83.231	1
43212_3213	43212	3213	-138.164	-13.621	-0.169	-0.849	18.766	164.962	1
43213_3213	43213	3213	138.163	13.621	0.399	1.124	-18.766	-164.959	1
43213_3214	43213	3214	-138.163	-13.62	-0.399	-1.124	16.37	246.693	1
43214_3214	43214	3214	138.141	12.763	1.247	0.438	-16.37	-246.701	1
43214_3215	43214	3215	-138.141	-12.763	-1.247	-0.438	6.397	348.817	1
43215_3215	43215	3215	138.14	12.763	1.419	0.874	-6.397	-348.816	1
43215_3216	43215	3216	-138.14	-12.763	-1.419	-0.874	-4.957	450.933	1
43216_3216	43216	3216	138.14	12.763	1.419	0.874	4.957	-450.933	1
43216_3217	43216	3217	-138.14	-12.763	-1.419	-0.874	-16.312	553.051	1
43217_3217	43217	3217	138.066	12.889	4.548	0.133	16.312	-553.054	1
43217_3218	43217	3218	-138.066	-12.888	-4.548	-0.133	-51.558	652.953	1
43218_3218	43218	3218	138.06	12.888	4.725	0.975	51.558	-652.952	1
43218_3219	43218	3219	-138.06	-12.889	-4.725	-0.975	-88.184	752.851	1
43219_3219	43219	3219	138.078	12.889	4.155	-1.144	88.184	-785.728	1
43219_3220	43219	3220	-138.078	-12.888	-4.155	1.144	-127.623	908.049	1
43220_3220	43220	3220	-8.346	-16.027	-2.005	8.859	21.301	-3810.39	1
43220_3221	43220	3221	8.346	16.027	2.005	-8.859	3.88	3609.094	1
43221_3221	43221	3221	-7.942	-16.233	-1.983	-2.565	-2.824	-3609.11	1
43221_3222	43221	3222	7.942	16.233	1.983	2.565	27.68	3405.663	1.01
43222_3222	43222	3222	-7.722	-19.612	1.772	1.1	-27.877	-3405.59	1.01
43222_3223	43222	3223	7.722	19.612	-1.772	-1.1	4.382	3145.444	1.01
43223_3223	43223	3223	9.9	81.147	5.063	33.523	37.486	9555.226	1.01
43223_3224	43223	3224	-9.9	-81.148	-5.063	-33.523	-96.997	-8601.47	1.03
43224_3224	43224	3224	8.544	67.558	-3.32	-21.149	97.92	8601.56	1.03
43224_3225	43224	3225	-8.544	-67.557	3.32	21.149	-70.523	-8044.18	1
43225_3225	43225	3225	7.988	67.623	-3.358	15.75	70.352	8044.25	1
43225_3226	43225	3226	-7.988	-67.624	3.358	-15.75	-16.857	-6966.93	1
43226_3226	43226	3226	7.935	66.723	0.635	-11.133	16.857	6966.286	1
43226_3227	43226	3227	-7.935	-66.723	-0.635	11.133	-24.543	-6158.84	1
43227_3227	43227	3227	7.938	66.723	0.602	14.41	24.543	6158.829	1
43227_3228	43227	3228	-7.938	-66.724	-0.602	-14.41	-31.825	-5351.99	1
43228_3228	43228	3228	8.002	64.903	-2.225	-8.901	31.825	5351.031	1
43228_3229	43228	3229	-8.002	-62.787	2.225	8.901	-4.918	-4578.94	1
43229_3229	43229	3229	7.993	62.787	-2.258	10.024	4.918	4578.939	1
43229_3230	43229	3230	-7.993	-60.67	2.258	-10.024	22.392	-3832.37	1
43230_3230	43230	3230	7.882	60.037	0.8	-7.776	-22.392	3831.345	1
43230_3231	43230	3231	-7.882	-57.891	-0.8	7.776	12.583	-3108.12	1
43231_3231	43231	3231	7.885	57.891	0.768	4.974	-12.583	3108.126	1
43231_3232	43231	3232	-7.885	-55.745	-0.768	-4.974	3.178	-2411.7	1
43232_3232	43232	3232	7.71	54.271	6.383	-4.721	-3.178	2411.05	1
43232_3233	43232	3233	-7.71	-52.9	-6.383	4.721	-46.841	-1991.17	1
43233_3233	43233	3233	7.713	52.9	6.379	-3.504	46.841	1991.172	1
43233_3234	43233	3234	-7.713	-51.595	-6.379	3.504	-94.398	-1601.64	1.03
43234_3234	43234	3234	7.316	51.655	6.357	0.271	94.404	1601.637	1.03
43234_3235	43234	3235	-7.329	-50.103	-6.357	-0.271	-150.776	-1150.46	1.03
43235_3235	43235	3235	7.327	45.724	-5.625	-3.614	150.727	1150.252	1.03
43235_3236	43235	3236	-7.347	-44.698	5.625	3.614	-117.726	-885.045	1.03
43236_3236	43236	3236	-0.023	49.669	-7.784	1.103	57.689	224.736	1.03
43236_3237	43236	3237	-0.002	-48.748	7.784	-1.103	-16.69	34.417	1.03
43237_3237	43237	3237	-0.813	48.74	-7.788	-2.551	16.555	-34.986	1.03
43237_3238	43237	3238	0.737	-47.007	7.788	2.551	60.628	509.336	1.01
43238_3238	43238	3238	-1.332	42.002	-7.495	-0.687	-60.617	-509.155	1.01

43238_3239	43238	3239	1.218	-40.203	7.495	0.687	137.767	932.034	1.01
43239_3239	43239	3239	-2.047	40.169	-7.498	-0.083	-137.933	-932.009	1.01
43239_3240	43239	3240	1.89	-38.282	7.498	0.083	218.852	1355.013	1.01
43240_3240	43240	3240	-4.246	37.984	15.357	-10.393	-220.258	-1355.64	1.01
43240_3241	43240	3241	4.115	-36.7	-15.357	10.393	107.244	1630.156	1
43241_3241	43241	3241	118.682	31.322	8.664	3.28	-119.738	934.853	1
43241_3242	43241	3242	-118.682	-29.66	-8.664	-3.28	37.46	-645.298	1
43242_3242	43242	3242	118.712	29.66	8.239	4.974	-37.46	654.144	1
43242_3243	43242	3243	-118.712	-28.316	-8.239	-4.974	-25.776	-431.66	1
43243_3243	43243	3243	119.307	23.33	-1.02	0.952	25.776	431.328	1
43243_3244	43243	3244	-119.307	-21.664	1.02	-0.952	-16.063	-217.146	1
43244_3244	43244	3244	119.305	21.664	-1.281	1.428	16.063	217.144	1
43244_3245	43244	3245	-119.305	-19.896	1.281	-1.428	-3.12	-7.2	1
43245_3245	43245	3245	119.138	19.825	1.093	1.406	3.12	7.197	1
43245_3246	43245	3246	-119.138	-18.085	-1.093	-1.406	-13.988	181.303	1
43246_3246	43246	3246	119.142	18.085	0.613	0.677	13.988	-181.307	1
43246_3247	43246	3247	-119.142	-16.391	-0.613	-0.677	-19.923	348.117	1
43247_3247	43247	3247	119.108	15.766	1.043	1.75	19.923	-348.03	1
43247_3248	43247	3248	-119.108	-14.158	-1.043	-1.75	-29.505	485.475	1
43248_3248	43248	3248	119.111	14.158	0.642	0.115	29.505	-485.478	1
43248_3249	43248	3249	-119.111	-12.332	-0.642	-0.115	-36.202	623.659	1
43249_3249	43249	3249	119.147	11.716	-0.417	1.789	36.202	-623.508	1
43249_3250	43249	3250	-119.147	-9.927	0.417	-1.789	-31.933	734.152	1
43250_3250	43250	3250	119.145	9.927	-0.765	-0.358	31.933	-734.154	1
43250_3251	43250	3251	-119.145	-8.281	0.765	0.358	-24.731	819.767	1
43251_3251	43251	3251	119.071	6.41	0.681	2.48	24.731	-819.532	1
43251_3252	43251	3252	-119.071	-4.939	-0.681	-2.48	-30.459	867.211	1
43252_3252	43252	3252	119.072	4.939	0.284	-0.414	30.459	-867.215	1
43252_3253	43252	3253	-119.072	-3.465	-0.284	0.414	-32.853	902.616	1
43253_3253	43253	3253	119.072	3.465	0.133	-1.557	32.853	-903.749	1
43253_3254	43253	3254	-119.072	-2.123	-0.133	1.557	-33.875	925.161	1
43254_3254	43254	3254	118.911	-1.685	4.79	-21.107	33.875	-925.727	1
43254_3255	43254	3255	-118.911	2.257	-4.79	21.107	-49.514	919.293	1.01
43255_3255	43255	3255	-0.28	-5.764	3.617	10.552	-15.8	-3731.37	1.01
43255_3256	43255	3256	0.475	7.554	-3.617	-10.552	-21.3	3663.527	1.01
43256_3256	43256	3256	-0.216	-7.566	3.615	-1.736	22.513	-3663.53	1.01
43256_3257	43256	3257	0.325	8.997	-3.615	1.736	-52.103	3595.995	1.02
43257_3257	43257	3257	0.25	-7.929	-10.092	7.292	51.481	-3595.45	1.02
43257_3258	43257	3258	-0.149	9.657	10.092	-7.292	48.217	3508.782	1.03
43258_3258	43258	3258	0.285	-9.653	-10.093	0.507	-47.769	-3508.8	1.03
43258_3259	43258	3259	-0.221	11.16	10.093	-0.507	134.725	3419.267	1.05
43259_3259	43259	3259	0.346	-11.155	-10.096	-3.903	-134.525	-3418.99	1.05
43259_3260	43259	3260	-0.329	11.708	10.096	3.903	166.424	3382.902	1.05
43260_3260	43260	3260	-24.327	-33.73	7.637	-27.237	-78.998	9077.639	1.05
43260_3261	43260	3261	24.354	35.041	-7.637	27.237	21.754	-9335.32	1.05
43261_3261	43261	3261	-23.897	-35.343	7.687	-7.159	-22.258	9335.354	1.05
43261_3262	43261	3262	23.911	36.979	-7.687	7.159	-49.595	-9673.34	1
43262_3262	43262	3262	-23.576	-37.178	7.767	26.006	49.534	9675.153	1
43262_3263	43262	3263	23.576	38.518	-7.767	-26.006	-109.031	-9965.05	1
43263_3263	43263	3263	-23.401	-39.345	-7.096	-14.634	109.031	9964.187	1
43263_3264	43263	3264	23.401	41.317	7.096	14.634	-29.086	-10418.6	1
43264_3264	43264	3264	-23.42	-41.317	-7.036	11.969	29.086	10418.58	1
43264_3265	43264	3265	23.42	43.379	7.036	-11.969	53.823	-10917.6	1
43265_3265	43265	3265	-23.468	-44.279	-2.12	-23.178	-53.823	10917.13	1
43265_3266	43265	3266	23.468	46.312	2.12	23.178	78.459	-11443.4	1
43266_3266	43266	3266	-23.476	-46.312	-2.032	20.097	-78.459	11443.39	1

43266_3267	43266	3267	23.476	48.313	2.032	-20.097	101.686	-11984.3	1
43267_3267	43267	3267	-23.482	-49.64	-1.112	-20.991	-101.686	11984.38	1
43267_3268	43267	3268	23.482	51.672	1.112	20.991	114.594	-12572.4	1
43268_3268	43268	3268	-23.485	-51.672	-1.046	14.204	-114.594	12572.44	1
43268_3269	43268	3269	23.485	53.675	1.046	-14.204	126.565	-13175.1	1
43269_3269	43269	3269	-23.538	-55.854	-6.219	-30.632	-126.565	13175.87	1
43269_3270	43269	3270	23.538	57.99	6.219	30.632	202.457	-13870.6	1
43270_3270	43270	3270	-23.562	-57.99	-6.128	22.3	-202.457	13870.61	1
43270_3271	43270	3271	23.562	60.106	6.128	-22.3	276.55	-14584.5	1
43271_3271	43271	3271	-23.451	-61.137	9.804	-48.947	-276.55	14585.32	1
43271_3272	43271	3272	23.451	62.35	-9.804	48.947	208.596	-15013.3	1.07
43272_3272	43272	3272	-22.884	-62.552	9.858	-11.867	-208.708	15014.48	1.07
43272_3273	43272	3273	22.869	64.204	-9.858	11.867	115.64	-15612.8	1.07
43273_3273	43273	3273	-21.945	-64.515	9.932	38.555	-114.689	15612.77	1.07
43273_3274	43273	3274	21.913	65.955	-9.932	-38.555	32.92	-16149.9	1.04
43274_3274	43274	3274	-21.709	-75.904	-22.738	-34.574	-34.862	16151.95	1.04
43274_3275	43274	3275	21.696	76.311	22.738	34.574	87.787	-16329.1	1.04
43275_3275	43275	3275	-20.847	-76.554	-22.718	-25.254	-87.824	16334.92	1.04
43275_3276	43275	3276	20.783	78.07	22.718	25.254	284.728	-17005.1	1.03
43276_3276	43276	3276	-19.631	-78.388	-22.649	28.227	-282.257	17005.16	1.03
43276_3277	43276	3277	19.543	79.911	22.649	-28.227	479.488	-17694.6	1.03
43277_3277	43277	3277	-5.399	26.446	-3.811	-3.035	-7.08	287.849	1.03
43277_3278	43277	3278	5.261	-24.621	3.811	3.035	46.866	-21.583	1.03
43278_3278	43278	3278	-5.999	24.453	-3.804	-1.593	-46.931	21.597	1.03
43278_3279	43278	3279	5.822	-22.771	3.804	1.593	83.584	205.515	1.02
43279_3279	43279	3279	53.702	30.982	-5.489	13.421	-122.72	1386.662	1.02
43279_3280	43279	3280	-53.702	-30.26	5.489	-13.421	145.362	-1260.36	1
43280_3280	43280	3280	53.782	20.999	5.239	-1.677	-145.362	1260.465	1
43280_3281	43280	3281	-53.782	-19.901	-5.239	1.677	112.497	-1132.17	1
43281_3281	43281	3281	53.798	19.901	5.067	1.38	-112.497	1138.146	1
43281_3282	43281	3282	-53.798	-18.211	-5.067	-1.38	63.584	-954.188	1
43282_3282	43282	3282	53.813	18.211	4.908	4.208	-63.584	954.179	1
43282_3283	43282	3283	-53.813	-16.748	-4.908	-4.208	22.56	-808.051	1
43283_3283	43283	3283	53.792	36.646	0.653	0.946	-22.56	780.158	1
43283_3284	43283	3284	-53.792	-34.482	-0.653	-0.946	14.497	-340.477	1
43284_3284	43284	3284	53.794	34.482	0.445	2.256	-14.497	340.47	1
43284_3285	43284	3285	-53.794	-32.395	-0.445	-2.256	9.189	58.273	1
43285_3285	43285	3285	53.804	14.998	1.198	1.908	-9.189	-58.274	1
43285_3286	43285	3286	-53.804	-12.926	-1.198	-1.908	-5	223.577	1
43286_3286	43286	3286	53.808	12.926	0.968	0.949	5	-223.583	1
43286_3287	43286	3287	-53.808	-11.104	-0.968	-0.949	-15.081	348.713	1
43287_3287	43287	3287	53.826	15.214	-0.197	2.404	15.081	-348.683	1
43287_3288	43287	3288	-53.826	-13.237	0.197	-2.404	-12.862	509.365	1
43288_3288	43288	3288	53.825	13.237	-0.379	0.675	12.862	-509.37	1
43288_3289	43288	3289	-53.825	-11.324	0.379	-0.675	-8.715	643.669	1
43289_3289	43289	3289	53.872	9.235	3.448	2.669	8.715	-643.713	1
43289_3290	43289	3290	-53.872	-7.771	-3.448	-2.669	-37.556	714.84	1
43290_3290	43290	3290	53.88	7.771	3.33	1.111	37.556	-714.844	1
43290_3291	43290	3291	-53.88	-6.397	-3.33	-1.111	-63.729	770.513	1
43291_3291	43291	3291	53.887	6.397	3.223	-0.281	63.729	-772.973	1
43291_3292	43291	3292	-53.887	-5.017	-3.223	0.281	-89.132	817.953	1
43292_3292	43292	3292	53.844	5.77	-1.22	-24.558	89.132	-817.675	1
43292_3293	43292	3293	-53.844	-5.33	1.22	24.558	-86.069	831.607	1.02
43293_3293	43293	3293	5.093	20.033	-3.751	11.504	-14.664	-2729.18	1.02
43293_3294	43293	3294	-4.933	-18.557	3.751	-11.504	46.427	2892.8	1.02
43294_3294	43294	3294	4.307	18.71	-3.763	1.234	-45.139	-2892.84	1.02

43294_3295	43294	3295	-4.178	-16.996	3.763	-1.234	82.06	3068.179	1.03
43295_3295	43295	3295	3.477	9.978	2.77	11.11	-82.412	-3068.34	1.03
43295_3296	43295	3296	-3.379	-8.074	-2.77	-11.11	52.242	3166.805	1.05
43296_3296	43296	3296	3.219	8.143	2.757	-0.39	-51.617	-3166.84	1.05
43296_3297	43296	3297	-3.176	-6.696	-2.757	0.39	28.796	3228.286	1.14
43297_3297	43297	3297	3.078	6.744	2.749	-9.826	-28.655	-3227.7	1.14
43297_3298	43297	3298	-3.068	-5.989	-2.749	9.826	16.785	3255.206	1
43298_3298	43298	3298	-2.963	-4.477	2.652	12.802	-68.259	-5616.87	1
43298_3299	43298	3299	2.967	5.919	-2.652	-12.802	46.417	5574.063	1
43299_3299	43299	3299	-2.943	-5.929	2.658	0.935	-46.376	-5574.08	1
43299_3300	43299	3300	2.943	7.232	-2.658	-0.935	26.565	5525.043	1
43300_3300	43300	3300	-2.937	-7.232	2.664	-9.182	-26.565	-5524.25	1
43300_3301	43300	3301	2.937	8.476	-2.664	9.182	7.632	5468.432	1
43301_3301	43301	3301	-2.949	-3.786	-0.197	14.097	-7.632	-5468.69	1
43301_3302	43301	3302	2.949	5.9	0.197	-14.097	10.013	5410.186	1
43302_3302	43302	3302	-2.95	-5.9	-0.185	-6.514	-10.013	-5410.2	1
43302_3303	43302	3303	2.95	8.034	0.185	6.514	12.279	5325.241	1
43303_3303	43303	3303	-2.94	-11.287	0.998	10.728	-12.279	-5325.43	1
43303_3304	43303	3304	2.94	13.534	-0.998	-10.728	-0.527	5166.18	1
43304_3304	43304	3304	-2.938	-13.534	1.007	-4.892	0.527	-5166.19	1
43304_3305	43304	3305	2.938	15.536	-1.007	4.892	-12.05	4999.856	1
43305_3305	43305	3305	-2.937	-18.274	0.61	10.57	12.05	-5000.04	1
43305_3306	43305	3306	2.937	20.59	-0.61	-10.57	-20.116	4742.892	1
43306_3306	43306	3306	-2.934	-20.59	0.62	-7.031	20.116	-4742.9	1
43306_3307	43306	3307	2.934	22.522	-0.62	7.031	-26.967	4504.861	1
43307_3307	43307	3307	-2.93	-25.64	0.934	8.163	26.967	-4505.03	1
43307_3308	43307	3308	2.93	27.84	-0.934	-8.163	-38.698	4168.945	1
43308_3308	43308	3308	-2.926	-27.84	0.943	-5.811	38.698	-4168.95	1
43308_3309	43308	3309	2.926	29.888	-0.943	5.811	-49.735	3831.169	1
43309_3309	43309	3309	-2.919	-34.089	1.268	5.428	49.735	-3831.37	1
43309_3310	43309	3310	2.919	36.165	-1.268	-5.428	-64.783	3414.503	1
43310_3310	43310	3310	-2.915	-36.165	1.277	-4.571	64.783	-3414.5	1
43310_3311	43310	3311	2.915	38.338	-1.277	4.571	-80.628	2952.086	1
43311_3311	43311	3311	-2.896	-37.363	3.658	2.822	80.628	-2952.15	1
43311_3312	43311	3312	2.896	39.482	-3.658	-2.822	-124.922	2486.923	1
43312_3312	43312	3312	-2.884	-39.482	3.668	-4.986	124.922	-2486.92	1
43312_3313	43312	3313	2.884	41.61	-3.668	4.986	-169.514	1993.894	1
43313_3313	43313	3313	-2.94	-53.791	-4.09	2.567	169.514	-1994.03	1
43313_3314	43313	3314	2.94	56.015	4.09	-2.567	-117.531	1296.156	1
43314_3314	43314	3314	-2.954	-56.015	-4.079	-2.273	117.531	-1296.16	1
43314_3315	43314	3315	2.954	58.228	4.079	2.273	-65.931	573.479	1
43315_3315	43315	3315	-2.815	-64.602	-8.057	-7.848	65.931	-573.684	1
43315_3316	43315	3316	2.815	66.034	8.057	7.848	0	39.168	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1	2	3	4	5	6	7	8	9
43000_3000	43000	3000	0.37	14.641	2.957	5.152	0	-0.678
43000_3001	43000	3001	-0.37	-14.641	-2.957	-5.152	-44.108	219.077
43001_3001	43001	3001	0.374	14.641	2.957	4.893	44.108	-219.083
43001_3002	43001	3002	-0.374	-14.641	-2.957	-4.893	-74.847	371.303
43002_3002	43002	3002	0.316	10.873	-3.814	5.138	74.847	-371.307
43002_3003	43002	3003	-0.316	-10.874	3.814	-5.138	-28.458	503.537
43003_3003	43003	3003	0.31	10.874	-3.815	4.264	28.458	-503.545
43003_3004	43003	3004	-0.31	-10.874	3.815	-4.264	17.966	635.855
43004_3004	43004	3004	0.346	8.062	0.713	3.473	-17.966	-635.899
43004_3005	43004	3005	-0.346	-8.062	-0.713	-3.473	9.284	733.97
43005_3005	43005	3005	0.346	8.062	0.713	2.799	-9.284	-733.972
43005_3006	43005	3006	-0.346	-8.062	-0.713	-2.799	0.6	832.113
43006_3006	43006	3006	0.339	4.567	-0.153	2.333	-0.6	-832.138
43006_3007	43006	3007	-0.339	-4.567	0.153	-2.333	2.45	887.689
43007_3007	43007	3007	0.338	4.567	-0.153	0.795	-2.45	-887.691
43007_3008	43007	3008	-0.338	-4.567	0.153	-0.795	4.307	943.275
43008_3008	43008	3008	0.343	0.914	0.314	0.159	-4.307	-943.245
43008_3009	43008	3009	-0.343	-0.913	-0.314	-0.159	0.485	954.364
43009_3009	43009	3009	0.343	0.913	0.314	-0.619	-0.485	-954.364
43009_3010	43009	3010	-0.343	-0.914	-0.314	0.619	-3.334	965.481
43010_3010	43010	3010	0.342	-2.336	0.062	-1.078	3.334	-965.475
43010_3011	43010	3011	-0.342	2.335	-0.062	1.078	-4.087	937.067
43011_3011	43011	3011	0.342	-2.335	0.061	-2.609	4.087	-937.065
43011_3012	43011	3012	-0.342	2.335	-0.061	2.609	-4.833	908.662
43012_3012	43012	3012	0.339	-5.265	-0.227	-2.749	4.833	-908.704
43012_3013	43012	3013	-0.339	5.266	0.227	2.749	-2.068	844.62
43013_3013	43013	3013	0.339	-5.266	-0.228	-3.439	2.068	-844.618
43013_3014	43013	3014	-0.339	5.265	0.228	3.439	0.7	780.542
43014_3014	43014	3014	0.341	-3.185	0.095	-2.843	-0.7	-780.551
43014_3015	43014	3015	-0.341	3.185	-0.095	2.843	-0.858	728.144
43015_3015	43015	3015	0.369	-3.182	0.095	-3.931	0.823	-727.949
43015_3016	43015	3016	-0.369	3.182	-0.095	3.931	-1.599	701.727
43016_3016	43016	3016	0.095	-11.81	-1.653	-3.056	-6.522	176.276
43016_3017	43016	3017	-0.095	11.81	1.653	3.056	25.959	-315.109
43017_3017	43017	3017	0.382	-11.804	-1.654	-2.211	-26.015	315.134
43017_3018	43017	3018	-0.382	11.804	1.654	2.211	47.946	-471.726
43018_3018	43018	3018	0.841	-13.87	2.557	-3.257	-48.156	471.721
43018_3019	43018	3019	-0.841	13.871	-2.557	3.257	16.102	-645.631
43019_3019	43019	3019	1.208	-13.842	2.557	-1.812	-16.079	645.637
43019_3020	43019	3020	-1.209	13.843	-2.557	1.812	-16.048	-819.578
43020_3020	43020	3020	-68.238	0.132	-5.7	-0.981	124.432	223.154
43020_3021	43020	3021	68.238	-0.132	5.7	0.981	-70.317	-221.9
43021_3021	43021	3021	-68.249	0.132	-5.569	0.789	70.317	205.413
43021_3022	43021	3022	68.249	-0.132	5.569	-0.789	-27.139	-204.389
43022_3022	43022	3022	-68.249	0.132	-5.569	0.789	27.139	204.389
43022_3023	43022	3023	68.249	-0.132	5.569	-0.789	16.037	-203.365
43023_3023	43023	3023	-68.232	-0.327	-0.056	-0.316	-16.037	203.373
43023_3024	43023	3024	68.232	0.327	0.056	0.316	16.487	-205.991
43024_3024	43024	3024	-68.232	-0.327	-0.056	-0.316	-16.487	205.991
43024_3025	43024	3025	68.232	0.327	0.056	0.316	16.937	-208.608
43025_3025	43025	3025	-68.231	-0.327	0.02	-0.083	-16.937	208.609
43025_3026	43025	3026	68.231	0.327	-0.02	0.083	16.776	-211.223

43026_3026	43026	3026	-68.232	-1.385	-0.039	-0.671	-16.776	211.214
43026_3027	43026	3027	68.232	1.386	0.039	0.671	17.008	-219.53
43027_3027	43027	3027	-68.232	-1.386	0.075	-0.307	-17.008	219.53
43027_3028	43027	3028	68.232	1.386	-0.075	0.307	16.56	-227.844
43028_3028	43028	3028	-68.232	-1.386	0.075	-0.307	-16.56	227.844
43028_3029	43028	3029	68.232	1.386	-0.075	0.307	16.113	-236.157
43029_3029	43029	3029	-68.232	-1.386	0.188	0.085	-16.113	236.158
43029_3030	43029	3030	68.232	1.385	-0.188	-0.085	14.986	-244.47
43030_3030	43030	3030	-68.237	-2.462	-0.21	-0.677	-14.986	244.467
43030_3031	43030	3031	68.237	2.462	0.21	0.677	16.67	-264.186
43031_3031	43031	3031	-68.236	-2.462	-0.133	-0.381	-16.67	264.186
43031_3032	43031	3032	68.236	2.462	0.133	0.381	17.74	-283.877
43032_3032	43032	3032	-68.237	-2.462	-0.049	-0.027	-17.74	283.877
43032_3033	43032	3033	68.237	2.462	0.049	0.027	18.131	-303.566
43033_3033	43033	3033	-68.201	-3.201	2.995	-1.413	-18.131	303.581
43033_3034	43033	3034	68.201	3.201	-2.995	1.413	-5.074	-328.377
43034_3034	43034	3034	-68.192	-3.201	3.179	-0.53	5.074	328.38
43034_3035	43034	3035	68.192	3.201	-3.179	0.53	-29.727	-353.201
43035_3035	43035	3035	-68.195	-3.201	3.14	0.067	29.727	370.54
43035_3036	43035	3036	68.195	3.201	-3.14	-0.067	-59.566	-400.957
43036_3036	43036	3036	-9.018	11.935	-1.309	0.734	3.26	950.204
43036_3037	43036	3037	9.017	-11.934	1.309	-0.734	13.185	-800.324
43037_3037	43037	3037	-9.329	11.693	-1.3	1.775	-13.213	800.323
43037_3038	43037	3038	9.329	-11.693	1.3	-1.775	29.52	-653.705
43038_3038	43038	3038	-9.726	8.784	0.377	0.308	-29.356	653.755
43038_3039	43038	3039	9.726	-8.784	-0.377	-0.308	24.361	-537.269
43039_3039	43039	3039	-16.799	91.012	0.764	14.488	-39.127	12229.53
43039_3040	43039	3040	16.799	-91.012	-0.764	-14.488	30.14	-11159.2
43040_3040	43040	3040	-18.416	79.364	1.403	-5.157	-29.715	11159.77
43040_3041	43040	3041	18.416	-79.363	-1.403	5.157	18.139	-10504.8
43041_3041	43041	3041	-19.111	79.199	1.422	5.369	-18.184	10499.35
43041_3042	43041	3042	19.111	-79.199	-1.422	-5.369	-4.588	-9231.27
43042_3042	43042	3042	-19.126	75.269	-0.395	-1.526	4.588	9231.496
43042_3043	43042	3043	19.126	-75.269	0.395	1.526	0.134	-8331.76
43043_3043	43043	3043	-19.126	75.269	-0.379	5.419	-0.134	8331.76
43043_3044	43043	3044	19.126	-75.269	0.379	-5.419	4.665	-7432.09
43044_3044	43044	3044	-19.121	73.485	0.144	-4.654	-4.665	7432.251
43044_3045	43044	3045	19.121	-73.485	-0.144	4.654	2.945	-6553.97
43045_3045	43045	3045	-19.121	73.485	0.177	6.726	-2.945	6553.964
43045_3046	43045	3046	19.121	-73.485	-0.177	-6.726	0.828	-5675.07
43046_3046	43046	3046	-19.123	70.996	-0.019	-0.155	-0.828	5675.204
43046_3047	43046	3047	19.123	-70.995	0.019	0.155	1.046	-4826.91
43047_3047	43047	3047	-19.123	70.995	-0.017	0.169	-1.046	4826.905
43047_3048	43047	3048	19.123	-70.995	0.017	-0.169	1.249	-3977.9
43048_3048	43048	3048	-19.125	68.747	-0.274	-0.832	-1.249	3978.013
43048_3049	43048	3049	19.125	-68.747	0.274	0.832	4.519	-3156.06
43049_3049	43049	3049	-19.125	68.747	-0.275	-1.038	-4.519	3156.061
43049_3050	43049	3050	19.125	-68.747	0.275	1.038	7.801	-2334.79
43050_3050	43050	3050	-19.131	68.028	-0.543	-1.632	-7.801	2334.82
43050_3051	43050	3051	19.131	-68.028	0.543	1.632	16.485	-1246.65
43051_3051	43051	3051	-19.702	67.865	-0.533	-0.892	-16.493	1248.535
43051_3052	43051	3052	19.702	-67.865	0.533	0.892	20.891	-688.4
43052_3052	43052	3052	-20.669	62.747	-0.635	-1.092	-20.916	688.411
43052_3053	43052	3053	20.669	-62.747	0.635	1.092	28.375	49.179
43053_3053	43053	3053	-24.261	66.462	-0.469	-0.79	-34.905	-417.19

43053_3054	43053	3054	24.261	-66.462	0.469	0.79	41.129	1298.564
43054_3054	43054	3054	-25.805	64.601	2.076	0.589	-41.11	-1298.58
43054_3055	43054	3055	25.805	-64.601	-2.076	-0.589	15.085	2108.465
43055_3055	43055	3055	-27.472	63.909	2.109	-2.367	-15.403	-2108.46
43055_3056	43055	3056	27.472	-63.909	-2.109	2.367	-11.095	2911.409
43056_3056	43056	3056	167.697	20.739	-1.1	1.115	1.859	188.635
43056_3057	43056	3057	-167.697	-20.738	1.1	-1.115	8.592	8.429
43057_3057	43057	3057	167.696	20.738	-1.316	1.175	-8.592	0.586
43057_3058	43057	3058	-167.696	-20.739	1.316	-1.175	18.788	160.086
43058_3058	43058	3058	167.696	20.739	-1.316	1.175	-18.788	-160.086
43058_3059	43058	3059	-167.696	-20.739	1.316	-1.175	28.984	320.758
43059_3059	43059	3059	167.708	19.882	1.095	1.208	-28.984	-320.762
43059_3060	43059	3060	-167.708	-19.881	-1.095	-1.208	20.216	479.963
43060_3060	43060	3060	167.71	19.881	0.9	0.649	-20.216	-479.964
43060_3061	43060	3061	-167.71	-19.882	-0.9	-0.649	13.022	638.954
43061_3061	43061	3061	167.71	19.882	0.9	0.649	-13.022	-638.954
43061_3062	43061	3062	-167.71	-19.882	-0.9	-0.649	5.827	797.945
43062_3062	43062	3062	167.713	18.858	0.938	1.09	-5.827	-797.965
43062_3063	43062	3063	-167.713	-18.859	-0.938	-1.09	0.195	911.154
43063_3063	43063	3063	167.713	18.859	0.938	1.09	-0.195	-911.154
43063_3064	43063	3064	-167.713	-18.858	-0.938	-1.09	-5.438	1024.341
43064_3064	43064	3064	167.713	18.858	0.938	1.09	5.438	-1024.34
43064_3065	43064	3065	-167.713	-18.858	-0.938	-1.09	-11.07	1137.529
43065_3065	43065	3065	167.715	18.858	0.677	-0.684	11.07	-1137.53
43065_3066	43065	3066	-167.715	-18.858	-0.677	0.684	-15.125	1250.518
43066_3066	43066	3066	167.711	17.705	0.282	1.746	15.125	-1250.56
43066_3067	43066	3067	-167.711	-17.705	-0.282	-1.746	-17.383	1392.292
43067_3067	43067	3067	167.711	17.705	0.282	1.746	17.383	-1392.29
43067_3068	43067	3068	-167.711	-17.705	-0.282	-1.746	-19.642	1534.023
43068_3068	43068	3068	167.711	17.705	-0.124	-1.968	19.642	-1534.02
43068_3069	43068	3069	-167.711	-17.705	0.124	1.968	-18.65	1675.555
43069_3069	43069	3069	167.779	18	5.006	2.575	18.65	-1675.61
43069_3070	43069	3070	-167.779	-18	-5.006	-2.575	-57.465	1815.171
43070_3070	43070	3070	167.785	18	4.803	0.373	57.465	-1815.17
43070_3071	43070	3071	-167.785	-18	-4.803	-0.373	-94.65	1954.549
43071_3071	43071	3071	167.791	18	4.583	-1.838	94.65	-1967.21
43071_3072	43071	3072	-167.791	-18	-4.583	1.838	-138.211	2138.304
43072_3072	43072	3072	-15.954	-19.051	-1.832	4.513	33.628	-5553.17
43072_3073	43072	3073	15.954	19.052	1.832	-4.513	-10.608	5313.815
43073_3073	43073	3073	-15.454	-19.461	-1.821	0.002	11.039	-5313.82
43073_3074	43073	3074	15.454	19.46	1.821	-0.002	11.787	5069.896
43074_3074	43074	3074	-15.145	-24.141	0.402	4.414	-11.989	-5070.1
43074_3075	43074	3075	15.145	24.141	-0.402	-4.414	6.659	4749.851
43075_3075	43075	3075	-10.019	56.707	0.869	12.626	-1.375	7792.159
43075_3076	43075	3076	10.019	-56.707	-0.869	-12.626	-8.848	-7125.32
43076_3076	43076	3076	-11.032	45.223	0.519	-6.166	9.207	7125.685
43076_3077	43076	3077	11.032	-45.223	-0.519	6.166	-13.488	-6752.98
43077_3077	43077	3077	-11.412	45.128	0.542	7.431	13.436	6757.062
43077_3078	43077	3078	11.412	-45.129	-0.542	-7.431	-21.325	-6100.52
43078_3078	43078	3078	-11.418	44.169	-0.168	2.089	21.325	6100.691
43078_3079	43078	3079	11.418	-44.17	0.168	-2.089	-19.439	-5604.54
43079_3079	43079	3079	-11.418	44.17	-0.168	2.089	19.439	5604.538
43079_3080	43079	3080	11.418	-44.169	0.168	-2.089	-17.555	-5108.39
43080_3080	43080	3080	-11.418	41.956	-0.11	-0.749	17.555	5108.446
43080_3081	43080	3081	11.418	-41.955	0.11	0.749	-16.316	-4636.78

43081_3081	43081	3081	-11.419	41.955	-0.101	3.184	16.316	4636.777
43081_3082	43081	3082	11.419	-41.955	0.101	-3.184	-15.188	-4165.55
43082_3082	43082	3082	-11.421	39.464	-0.228	-1.45	15.188	4165.602
43082_3083	43082	3083	11.421	-39.464	0.228	1.45	-12.425	-3689.21
43083_3083	43083	3083	-11.421	39.464	-0.219	1.735	12.425	3689.207
43083_3084	43083	3084	11.421	-39.464	0.219	-1.735	-9.779	-3212.44
43084_3084	43084	3084	-11.42	36.983	-0.158	-2.278	9.779	3212.5
43084_3085	43084	3085	11.42	-36.982	0.158	2.278	-8.004	-2797.2
43085_3085	43085	3085	-11.421	36.982	-0.148	0.314	8.004	2797.197
43085_3086	43085	3086	11.421	-36.982	0.148	-0.314	-6.347	-2381.54
43086_3086	43086	3086	-11.423	34.521	-0.26	-2.673	6.347	2381.618
43086_3087	43086	3087	11.423	-34.521	0.26	2.673	-3.418	-1993.65
43087_3087	43087	3087	-11.422	34.521	-0.251	-0.968	3.418	1993.655
43087_3088	43087	3088	11.422	-34.521	0.251	0.968	-0.603	-1606.05
43088_3088	43088	3088	-11.426	33.651	-0.613	-2.672	0.603	1606.08
43088_3089	43088	3089	11.426	-33.651	0.613	2.672	7.977	-1135.31
43089_3089	43089	3089	-11.716	33.551	-0.604	-1.544	-7.991	1133.143
43089_3090	43089	3090	11.716	-33.552	0.604	1.544	12.976	-856.15
43090_3090	43090	3090	-12.133	27.978	-1.159	-2.272	-13.024	856.187
43090_3091	43090	3091	12.133	-27.979	1.159	2.272	26.646	-527.416
43091_3091	43091	3091	-14.794	31.405	-0.932	-1.576	-30.481	237.409
43091_3092	43091	3092	14.795	-31.406	0.932	1.576	42.845	179.158
43092_3092	43092	3092	-15.405	28.917	1.709	-1.851	-42.972	-179.179
43092_3093	43092	3093	15.405	-28.917	-1.709	1.851	21.538	541.848
43093_3093	43093	3093	-16.155	28.505	1.72	-1.705	-21.621	-541.845
43093_3094	43093	3094	16.154	-28.505	-1.72	1.705	0.026	899.875
43094_3094	43094	3094	55.871	12.63	-3.094	-0.263	52.546	457.822
43094_3095	43094	3095	-55.871	-12.63	3.094	0.263	-23.131	-337.783
43095_3095	43095	3095	55.865	12.63	-3.212	0.575	23.131	340.02
43095_3096	43095	3096	-55.865	-12.63	3.212	-0.575	1.742	-242.226
43096_3096	43096	3096	55.865	12.63	-3.214	0.583	-1.742	242.226
43096_3097	43096	3097	-55.865	-12.63	3.214	-0.583	26.663	-144.305
43097_3097	43097	3097	55.882	11.965	0.605	0.055	-26.663	144.308
43097_3098	43097	3098	-55.882	-11.964	-0.605	-0.055	21.815	-48.556
43098_3098	43098	3098	55.883	11.964	0.538	0.113	-21.815	48.557
43098_3099	43098	3099	-55.883	-11.965	-0.538	-0.113	17.517	47.072
43099_3099	43099	3099	55.883	11.965	0.536	0.113	-17.517	-47.072
43099_3100	43099	3100	-55.883	-11.965	-0.536	-0.113	13.227	142.82
43100_3100	43100	3100	55.88	10.901	0.106	-0.948	-13.227	-142.815
43100_3101	43100	3101	-55.88	-10.901	-0.106	0.948	12.595	208.241
43101_3101	43101	3101	55.88	10.901	0.106	-0.948	-12.595	-208.241
43101_3102	43101	3102	-55.88	-10.901	-0.106	0.948	11.963	273.667
43102_3102	43102	3102	55.878	10.901	0.573	1.346	-11.963	-273.665
43102_3103	43102	3103	-55.878	-10.901	-0.573	-1.346	8.524	338.998
43103_3103	43103	3103	55.878	10.901	0.478	0.763	-8.524	-338.999
43103_3104	43103	3104	-55.878	-10.901	-0.478	-0.763	5.658	404.437
43104_3104	43104	3104	55.877	9.751	-0.106	0.407	-5.658	-404.437
43104_3105	43104	3105	-55.877	-9.751	0.106	-0.407	6.502	482.484
43105_3105	43105	3105	55.878	9.751	-0.173	-0.177	-6.502	-482.483
43105_3106	43105	3106	-55.878	-9.751	0.173	0.177	7.885	560.43
43106_3106	43106	3106	55.878	9.751	-0.175	-0.199	-7.885	-560.43
43106_3107	43106	3107	-55.878	-9.752	0.175	0.199	9.287	638.472
43107_3107	43107	3107	55.893	9.584	3.861	0.094	-9.287	-638.475
43107_3108	43107	3108	-55.893	-9.584	-3.861	-0.094	-20.65	712.781
43108_3108	43108	3108	55.893	9.584	3.863	0.121	20.65	-712.781

43108_3109	43108	3109	-55.893	-9.584	-3.863	-0.121	-50.566	786.991
43109_3109	43109	3109	55.897	9.584	3.804	-0.506	50.566	-789.972
43109_3110	43109	3110	-55.897	-9.584	-3.804	0.506	-86.722	881.053
43110_3110	43110	3110	-12.449	-2.791	-1.825	3.668	16.297	-2446.38
43110_3111	43110	3111	12.45	2.791	1.825	-3.668	6.616	2411.336
43111_3111	43111	3111	-12.375	-3.115	-1.805	-0.055	-6.224	-2411.34
43111_3112	43111	3112	12.375	3.115	1.805	0.055	28.854	2372.284
43112_3112	43112	3112	-12.466	-7.282	0.962	1.875	-28.908	-2372.32
43112_3113	43112	3113	12.466	7.283	-0.962	-1.875	16.139	2275.675
43113_3113	43113	3113	-7.707	75.019	1.297	12.019	-28.029	10336.02
43113_3114	43113	3114	7.707	-75.018	-1.297	-12.019	12.792	-9454.81
43114_3114	43114	3114	-9.031	64.895	0.918	2.686	-12.51	9455.048
43114_3115	43114	3115	9.031	-64.895	-0.918	-2.686	4.933	-8919.53
43115_3115	43115	3115	-9.592	64.815	0.918	2.023	-4.91	8919.946
43115_3116	43115	3116	9.592	-64.814	-0.918	-2.023	-8.395	-7979.94
43116_3116	43116	3116	-9.592	61.997	-0.386	-4.095	8.395	7979.892
43116_3117	43116	3117	9.592	-61.996	0.386	4.095	-4.051	-7282.93
43117_3117	43117	3117	-9.592	61.996	-0.37	8.75	4.051	7282.923
43117_3118	43117	3118	9.592	-61.997	0.37	-8.75	0.1	-6586.6
43118_3118	43118	3118	-9.59	60.325	0.148	-3.605	-0.1	6586.648
43118_3119	43118	3119	9.59	-60.325	-0.148	3.605	-1.565	-5909.1
43119_3119	43119	3119	-9.59	60.325	0.165	6.916	1.565	5909.1
43119_3120	43119	3120	9.59	-60.325	-0.165	-6.916	-3.422	-5231.57
43120_3120	43120	3120	-9.591	57.612	-0.048	-1.154	3.422	5231.519
43120_3121	43120	3121	9.591	-57.612	0.048	1.154	-2.836	-4536.07
43121_3121	43121	3121	-9.591	57.612	-0.04	2.603	2.836	4536.07
43121_3122	43121	3122	9.591	-57.612	0.04	-2.603	-2.347	-3840.63
43122_3122	43122	3122	-9.59	54.789	0.068	-1.84	2.347	3840.626
43122_3123	43122	3123	9.59	-54.789	-0.068	1.84	-3.109	-3225.31
43123_3123	43123	3123	-9.59	54.789	0.077	1.063	3.109	3225.308
43123_3124	43123	3124	9.59	-54.789	-0.077	-1.063	-3.97	-2609.45
43124_3124	43124	3124	-9.59	51.617	-0.128	-3.174	3.97	2609.451
43124_3125	43124	3125	9.59	-51.616	0.128	3.174	-2.528	-2029.77
43125_3125	43125	3125	-9.591	51.616	-0.111	0.441	2.528	2029.772
43125_3126	43125	3126	9.591	-51.616	0.111	-0.441	-1.277	-1450.1
43126_3126	43126	3126	-9.595	50.195	-0.585	-2.355	1.277	1450.054
43126_3127	43126	3127	9.595	-50.196	0.585	2.355	6.804	-756.839
43127_3127	43127	3127	-10.019	50.113	-0.574	-1.255	-6.815	754.338
43127_3128	43127	3128	10.02	-50.113	0.574	1.255	11.55	-340.89
43128_3128	43128	3128	-10.653	43.374	-2.594	-2.728	-11.609	340.837
43128_3129	43128	3129	10.652	-43.374	2.594	2.728	42.099	168.968
43129_3129	43129	3129	-16.057	48.347	-3.391	-1.617	-42.734	-607.598
43129_3130	43129	3130	16.057	-48.347	3.391	1.617	87.722	1249
43130_3130	43130	3130	-17.125	46.003	8.823	-0.419	-87.811	-1249.05
43130_3131	43130	3131	17.125	-46.003	-8.823	0.419	-22.788	1825.713
43131_3131	43131	3131	-18.638	45.409	8.832	-2.424	22.625	-1825.71
43131_3132	43131	3132	18.637	-45.41	-8.832	2.424	-126.395	2359.226
43132_3132	43132	3132	122.865	9.618	-11.372	-1.3	197.391	103.653
43132_3133	43132	3133	-122.865	-9.618	11.372	1.3	-80.254	-4.586
43133_3133	43133	3133	122.88	9.618	-11.214	1.113	80.254	31.08
43133_3134	43133	3134	-122.88	-9.618	11.214	-1.113	6.654	43.462
43134_3134	43134	3134	123.002	9.618	-9.792	1.614	-6.654	-43.445
43134_3135	43134	3135	-123.002	-9.618	9.792	-1.614	82.845	118.282
43135_3135	43135	3135	122.818	10.621	3.159	0.274	-82.845	-118.298
43135_3136	43135	3136	-122.818	-10.622	-3.159	-0.274	57.566	203.279

43136_3136	43136	3136	122.818	10.622	3.159	0.274	-57.566	-203.279
43136_3137	43136	3137	-122.818	-10.622	-3.159	-0.274	32.287	288.261
43137_3137	43137	3137	122.822	10.622	3.008	-0.081	-32.287	-288.261
43137_3138	43137	3138	-122.822	-10.622	-3.008	0.081	8.248	373.135
43138_3138	43138	3138	122.865	9.65	0.14	0.277	-8.248	-373.152
43138_3139	43138	3139	-122.865	-9.651	-0.14	-0.277	7.405	431.064
43139_3139	43139	3139	122.865	9.651	0.14	0.277	-7.405	-431.064
43139_3140	43139	3140	-122.865	-9.651	-0.14	-0.277	6.563	488.976
43140_3140	43140	3140	122.866	9.651	-0.065	-0.537	-6.563	-488.976
43140_3141	43140	3141	-122.866	-9.65	0.065	0.537	6.95	546.886
43141_3141	43141	3141	122.865	9.65	0.14	0.374	-6.95	-546.887
43141_3142	43141	3142	-122.865	-9.651	-0.14	-0.374	6.107	604.799
43142_3142	43142	3142	122.865	8.492	-0.042	0.087	-6.107	-604.813
43142_3143	43142	3143	-122.865	-8.492	0.042	-0.087	6.443	672.765
43143_3143	43143	3143	122.865	8.492	-0.195	-0.754	-6.443	-672.764
43143_3144	43143	3144	-122.865	-8.493	0.195	0.754	8.006	740.714
43144_3144	43144	3144	122.865	8.493	-0.042	0.172	-8.006	-740.714
43144_3145	43144	3145	-122.865	-8.493	0.042	-0.172	8.34	808.665
43145_3145	43145	3145	122.808	8.564	3.792	-1.147	-8.34	-808.675
43145_3146	43145	3146	-122.808	-8.564	-3.792	1.147	-21.048	875.051
43146_3146	43146	3146	122.803	8.564	3.95	-0.019	21.048	-875.051
43146_3147	43146	3147	-122.803	-8.564	-3.95	0.019	-51.664	941.428
43147_3147	43147	3147	122.808	8.564	3.829	-0.224	51.664	-964.583
43147_3148	43147	3148	-122.808	-8.563	-3.829	0.224	-88.045	1045.948
43148_3148	43148	3148	-7.837	-14.94	-1.333	1.36	6.723	-3777.34
43148_3149	43148	3149	7.836	14.94	1.333	-1.36	10.013	3589.758
43149_3149	43149	3149	-7.442	-15.14	-1.333	1.575	-9.971	-3589.76
43149_3150	43149	3150	7.442	15.14	1.333	-1.575	26.683	3399.953
43150_3150	43150	3150	-7.336	-20.137	0.933	1.419	-26.594	-3399.96
43150_3151	43150	3151	7.336	20.138	-0.933	-1.419	14.209	3132.768
43151_3151	43151	3151	-2.086	73.523	0.071	1.039	-29.316	8909.159
43151_3152	43151	3152	2.086	-73.524	-0.071	-1.039	28.475	-8044.89
43152_3152	43152	3152	-3.376	62.414	1.456	2.879	-28.467	8044.859
43152_3153	43152	3153	3.376	-62.414	-1.456	-2.879	16.455	-7529.87
43153_3153	43153	3153	-3.901	62.383	1.455	0.935	-16.43	7529.415
43153_3154	43153	3154	3.901	-62.383	-1.455	-0.935	-3.561	-6672.16
43154_3154	43154	3154	-3.877	58.405	-0.125	-1.345	3.561	6672.165
43154_3155	43154	3155	3.877	-58.404	0.125	1.345	-2.195	-6029.64
43155_3155	43155	3155	-3.877	58.404	-0.12	4.134	2.195	6029.633
43155_3156	43155	3156	3.877	-58.404	0.12	-4.134	-0.87	-5387.11
43156_3156	43156	3156	-3.884	56.697	0.28	0.658	0.87	5387.104
43156_3157	43156	3157	3.884	-56.698	-0.28	-0.658	-3.671	-4819.49
43157_3157	43157	3157	-3.884	56.698	0.28	0.658	3.671	4819.491
43157_3158	43157	3158	3.884	-56.697	-0.28	-0.658	-6.473	-4251.88
43158_3158	43158	3158	-3.878	54.209	-0.174	-0.292	6.473	4251.812
43158_3159	43158	3159	3.878	-54.209	0.174	0.292	-4.729	-3709.11
43159_3159	43159	3159	-3.878	54.209	-0.174	-0.233	4.729	3709.111
43159_3160	43159	3160	3.878	-54.209	0.174	0.233	-2.984	-3165.87
43160_3160	43160	3160	-3.873	51.36	-0.415	-2.362	2.984	3165.906
43160_3161	43160	3161	3.873	-51.36	0.415	2.362	1.569	-2601.38
43161_3161	43161	3161	-3.874	51.36	-0.41	0.041	-1.569	2601.379
43161_3162	43161	3162	3.874	-51.361	0.41	-0.041	6.088	-2036.35
43162_3162	43162	3162	-3.875	50.166	-0.307	-1.244	-6.088	2036.345
43162_3163	43162	3163	3.875	-50.166	0.307	1.244	10.316	-1346.47
43163_3163	43163	3163	-4.291	50.132	-0.312	-2.51	-10.339	1346.695

43163_3164	43163	3164	4.291	-50.132	0.312	2.51	12.904	-933.53
43164_3164	43164	3164	-4.897	43.015	-1.314	-1.317	-12.918	933.479
43164_3165	43164	3165	4.898	-43.014	1.314	1.317	28.364	-427.856
43165_3165	43165	3165	-11.166	49.617	-0.999	-1.598	-27.588	-130.008
43165_3166	43165	3166	11.166	-49.616	0.999	1.598	40.837	788.304
43166_3166	43166	3166	-12.258	46.855	1.88	-1.809	-40.956	-788.326
43166_3167	43166	3167	12.257	-46.854	-1.88	1.809	17.382	1375.691
43167_3167	43167	3167	-13.475	46.519	1.88	-1.355	-17.424	-1375.69
43167_3168	43167	3168	13.475	-46.519	-1.88	1.355	-6.203	1960.18
43168_3168	43168	3168	116.313	13.22	-4.483	-0.091	94.505	405.698
43168_3169	43168	3169	-116.313	-13.219	4.483	0.091	-51.911	-280.095
43169_3169	43169	3169	116.307	13.219	-4.641	1.315	51.911	305.787
43169_3170	43169	3170	-116.307	-13.22	4.641	-1.315	-15.94	-203.324
43170_3170	43170	3170	116.307	13.22	-4.641	1.315	15.94	203.324
43170_3171	43170	3171	-116.307	-13.219	4.641	-1.315	20.032	-100.861
43171_3171	43171	3171	116.22	12.879	0.447	0.291	-20.032	100.853
43171_3172	43171	3172	-116.22	-12.878	-0.447	-0.291	16.454	2.059
43172_3172	43172	3172	116.22	12.878	0.445	0.291	-16.454	-2.059
43172_3173	43172	3173	-116.22	-12.879	-0.445	-0.291	12.892	105.101
43173_3173	43173	3173	116.22	12.879	0.445	0.291	-12.892	-105.101
43173_3174	43173	3174	-116.22	-12.878	-0.445	-0.291	9.33	208.143
43174_3174	43174	3174	116.221	12.057	0.155	-0.15	-9.33	-208.16
43174_3175	43174	3175	-116.221	-12.057	-0.155	0.15	8.401	280.51
43175_3175	43175	3175	116.22	12.057	0.348	0.317	-8.401	-280.51
43175_3176	43175	3176	-116.22	-12.057	-0.348	-0.317	6.309	352.862
43176_3176	43176	3176	116.221	12.057	0.155	-0.27	-6.309	-352.862
43176_3177	43176	3177	-116.221	-12.057	-0.155	0.27	5.38	425.212
43177_3177	43177	3177	116.22	12.057	0.348	0.438	-5.38	-425.212
43177_3178	43177	3178	-116.22	-12.057	-0.348	-0.438	3.289	497.564
43178_3178	43178	3178	116.232	11.033	-0.452	0.115	-3.289	-497.566
43178_3179	43178	3179	-116.232	-11.034	0.452	-0.115	6.907	585.843
43179_3179	43179	3179	116.232	11.034	-0.452	0.115	-6.907	-585.843
43179_3180	43179	3180	-116.232	-11.033	0.452	-0.115	10.525	674.121
43180_3180	43180	3180	116.232	11.033	-0.597	-0.726	-10.525	-674.12
43180_3181	43180	3181	-116.232	-11.034	0.597	0.726	15.306	762.396
43181_3181	43181	3181	116.123	11.383	5.509	-0.452	-15.306	-762.408
43181_3182	43181	3182	-116.123	-11.383	-5.509	0.452	-27.335	850.527
43182_3182	43182	3182	116.131	11.383	5.357	-1.567	27.335	-850.526
43182_3183	43182	3183	-116.131	-11.383	-5.357	1.567	-68.85	938.758
43183_3183	43183	3183	116.129	11.383	5.391	-0.324	68.85	-959.362
43183_3184	43183	3184	-116.129	-11.383	-5.391	0.324	-120.075	1067.518
43184_3184	43184	3184	-11.519	-17.075	-2.147	1.608	22.868	-3731.96
43184_3185	43184	3185	11.519	17.074	2.147	-1.608	4.1	3517.434
43185_3185	43185	3185	-11.072	-17.369	-2.147	1.714	-4.056	-3517.43
43185_3186	43185	3186	11.072	17.368	2.147	-1.714	30.963	3299.713
43186_3186	43186	3186	-10.903	-22.136	0.726	1.636	-30.869	-3299.72
43186_3187	43186	3187	10.903	22.137	-0.726	-1.636	21.243	3006.02
43187_3187	43187	3187	1.553	71.633	0.79	-0.445	-30.707	8968.582
43187_3188	43187	3188	-1.554	-71.632	-0.79	0.445	21.431	-8126.56
43188_3188	43188	3188	0.335	59.319	0.773	2.503	-21.456	8126.544
43188_3189	43188	3189	-0.334	-59.319	-0.773	-2.503	15.08	-7637.08
43189_3189	43189	3189	-0.151	59.319	0.772	0.554	-15.059	7637.057
43189_3190	43189	3190	0.151	-59.32	-0.772	-0.554	4.44	-6821.9
43190_3190	43190	3190	-0.143	57.181	0.24	0.969	-4.44	6821.941
43190_3191	43190	3191	0.143	-57.182	-0.24	-0.969	1.798	-6192.86

43191_3191	43191	3191	-0.143	57.182	0.24	0.969	-1.798	6192.858
43191_3192	43191	3192	0.143	-57.181	-0.24	-0.969	-0.845	-5563.78
43192_3192	43192	3192	-0.142	54.896	0.169	0.021	0.845	5563.72
43192_3193	43192	3193	0.142	-54.896	-0.169	-0.021	-2.549	-5010.85
43193_3193	43193	3193	-0.142	54.896	0.169	0.021	2.549	5010.85
43193_3194	43193	3194	0.142	-54.895	-0.169	-0.021	-4.254	-4457.98
43194_3194	43194	3194	-0.114	52.655	-1.355	-1.096	4.254	4457.958
43194_3195	43194	3195	0.114	-52.655	1.355	1.096	9.388	-3927.66
43195_3195	43195	3195	-0.114	52.655	-1.355	-1.096	-9.388	3927.662
43195_3196	43195	3196	0.114	-52.655	1.355	1.096	23.031	-3397.37
43196_3196	43196	3196	-0.149	50.548	0.124	-0.897	-23.031	3397.373
43196_3197	43196	3197	0.149	-50.548	-0.124	0.897	21.671	-2841.79
43197_3197	43197	3197	-0.149	50.548	0.124	-3.44	-21.671	2841.788
43197_3198	43197	3198	0.149	-50.547	-0.124	3.44	20.311	-2285.69
43198_3198	43198	3198	-0.129	50.058	-0.761	-2.612	-20.311	2285.69
43198_3199	43198	3199	0.129	-50.059	0.761	2.612	30.779	-1597.29
43199_3199	43199	3199	-0.535	50.056	-0.761	-2.145	-30.798	1597.324
43199_3200	43199	3200	0.535	-50.056	0.761	2.145	37.078	-1184.3
43200_3200	43200	3200	-1.15	43.667	-1.126	-2.166	-37.121	1184.29
43200_3201	43200	3201	1.149	-43.667	1.126	2.166	50.344	-671.427
43201_3201	43201	3201	-6.233	50.203	-0.83	-1.444	-55.146	105.087
43201_3202	43201	3202	6.233	-50.204	0.83	1.444	66.162	560.976
43202_3202	43202	3202	-7.389	48.321	2.09	-1.964	-66.333	-561.029
43202_3203	43202	3203	7.39	-48.32	-2.09	1.964	40.143	1166.712
43203_3203	43203	3203	-8.621	48.117	2.09	-0.939	-40.18	-1166.71
43203_3204	43203	3204	8.621	-48.116	-2.09	0.939	13.933	1771.152
43204_3204	43204	3204	138.233	14.952	-2.561	1.242	15.389	761.816
43204_3205	43204	3205	-138.233	-14.952	2.561	-1.242	8.945	-619.756
43205_3205	43205	3205	138.236	14.952	-2.425	1.339	-8.945	660.075
43205_3206	43205	3206	-138.236	-14.952	2.425	-1.339	27.741	-544.181
43206_3206	43206	3206	138.233	14.952	-2.603	2.041	-27.741	544.179
43206_3207	43206	3207	-138.233	-14.952	2.603	-2.041	47.918	-428.288
43207_3207	43207	3207	138.15	14.505	1.03	1.054	-47.918	428.28
43207_3208	43207	3208	-138.15	-14.505	-1.03	-1.054	39.68	-312.221
43208_3208	43208	3208	138.149	14.505	1.033	1.049	-39.68	312.221
43208_3209	43208	3209	-138.149	-14.505	-1.033	-1.049	31.43	-196.308
43209_3209	43209	3209	138.151	14.505	0.857	1.298	-31.43	196.307
43209_3210	43209	3210	-138.151	-14.506	-0.857	-1.298	24.573	-80.251
43210_3210	43210	3210	138.163	13.62	0.399	0.988	-24.573	80.238
43210_3211	43210	3211	-138.163	-13.62	-0.399	-0.988	22.178	1.496
43211_3211	43211	3211	138.163	13.62	0.399	0.988	-22.178	-1.496
43211_3212	43211	3212	-138.163	-13.621	-0.399	-0.988	19.781	83.228
43212_3212	43212	3212	138.164	13.621	0.169	0.849	-19.781	-83.231
43212_3213	43212	3213	-138.164	-13.621	-0.169	-0.849	18.766	164.962
43213_3213	43213	3213	138.163	13.621	0.399	1.124	-18.766	-164.959
43213_3214	43213	3214	-138.163	-13.62	-0.399	-1.124	16.37	246.693
43214_3214	43214	3214	138.141	12.763	1.247	0.438	-16.37	-246.701
43214_3215	43214	3215	-138.141	-12.763	-1.247	-0.438	6.397	348.817
43215_3215	43215	3215	138.14	12.763	1.419	0.874	-6.397	-348.816
43215_3216	43215	3216	-138.14	-12.763	-1.419	-0.874	-4.957	450.933
43216_3216	43216	3216	138.14	12.763	1.419	0.874	4.957	-450.933
43216_3217	43216	3217	-138.14	-12.763	-1.419	-0.874	-16.312	553.051
43217_3217	43217	3217	138.066	12.889	4.548	0.133	16.312	-553.054
43217_3218	43217	3218	-138.066	-12.888	-4.548	-0.133	-51.558	652.953
43218_3218	43218	3218	138.06	12.888	4.725	0.975	51.558	-652.952

43218_3219	43218	3219	-138.06	-12.889	-4.725	-0.975	-88.184	752.851
43219_3219	43219	3219	138.078	12.889	4.155	-1.144	88.184	-785.728
43219_3220	43219	3220	-138.078	-12.888	-4.155	1.144	-127.623	908.049
43220_3220	43220	3220	-8.346	-16.027	-2.005	8.859	21.301	-3810.39
43220_3221	43220	3221	8.346	16.027	2.005	-8.859	3.88	3609.094
43221_3221	43221	3221	-7.942	-16.233	-1.983	-2.565	-2.824	-3609.11
43221_3222	43221	3222	7.942	16.233	1.983	2.565	27.68	3405.663
43222_3222	43222	3222	-7.722	-19.612	1.772	1.1	-27.877	-3405.59
43222_3223	43222	3223	7.722	19.612	-1.772	-1.1	4.382	3145.444
43223_3223	43223	3223	9.9	81.147	5.063	33.523	37.486	9555.226
43223_3224	43223	3224	-9.9	-81.148	-5.063	-33.523	-96.997	-8601.47
43224_3224	43224	3224	8.544	67.558	-3.32	-21.149	97.92	8601.56
43224_3225	43224	3225	-8.544	-67.557	3.32	21.149	-70.523	-8044.18
43225_3225	43225	3225	7.988	67.623	-3.358	15.75	70.352	8044.25
43225_3226	43225	3226	-7.988	-67.624	3.358	-15.75	-16.857	-6966.93
43226_3226	43226	3226	7.935	66.723	0.635	-11.133	16.857	6966.286
43226_3227	43226	3227	-7.935	-66.723	-0.635	11.133	-24.543	-6158.84
43227_3227	43227	3227	7.938	66.723	0.602	14.41	24.543	6158.829
43227_3228	43227	3228	-7.938	-66.724	-0.602	-14.41	-31.825	-5351.99
43228_3228	43228	3228	8.002	64.903	-2.225	-8.901	31.825	5351.031
43228_3229	43228	3229	-8.002	-62.787	2.225	8.901	-4.918	-4578.94
43229_3229	43229	3229	7.993	62.787	-2.258	10.024	4.918	4578.939
43229_3230	43229	3230	-7.993	-60.67	2.258	-10.024	22.392	-3832.37
43230_3230	43230	3230	7.882	60.037	0.8	-7.776	-22.392	3831.345
43230_3231	43230	3231	-7.882	-57.891	-0.8	7.776	12.583	-3108.12
43231_3231	43231	3231	7.885	57.891	0.768	4.974	-12.583	3108.126
43231_3232	43231	3232	-7.885	-55.745	-0.768	-4.974	3.178	-2411.7
43232_3232	43232	3232	7.71	54.271	6.383	-4.721	-3.178	2411.05
43232_3233	43232	3233	-7.71	-52.9	-6.383	4.721	-46.841	-1991.17
43233_3233	43233	3233	7.713	52.9	6.379	-3.504	46.841	1991.172
43233_3234	43233	3234	-7.713	-51.595	-6.379	3.504	-94.398	-1601.64
43234_3234	43234	3234	7.316	51.655	6.357	0.271	94.404	1601.637
43234_3235	43234	3235	-7.329	-50.103	-6.357	-0.271	-150.776	-1150.46
43235_3235	43235	3235	7.327	45.724	-5.625	-3.614	150.727	1150.252
43235_3236	43235	3236	-7.347	-44.698	5.625	3.614	-117.726	-885.045
43236_3236	43236	3236	-0.023	49.669	-7.784	1.103	57.689	224.736
43236_3237	43236	3237	-0.002	-48.748	7.784	-1.103	-16.69	34.417
43237_3237	43237	3237	-0.813	48.74	-7.788	-2.551	16.555	-34.986
43237_3238	43237	3238	0.737	-47.007	7.788	2.551	60.628	509.336
43238_3238	43238	3238	-1.332	42.002	-7.495	-0.687	-60.617	-509.155
43238_3239	43238	3239	1.218	-40.203	7.495	0.687	137.767	932.034
43239_3239	43239	3239	-2.047	40.169	-7.498	-0.083	-137.933	-932.009
43239_3240	43239	3240	1.89	-38.282	7.498	0.083	218.852	1355.013
43240_3240	43240	3240	-4.246	37.984	15.357	-10.393	-220.258	-1355.64
43240_3241	43240	3241	4.115	-36.7	-15.357	10.393	107.244	1630.156
43241_3241	43241	3241	118.682	31.322	8.664	3.28	-119.738	934.853
43241_3242	43241	3242	-118.682	-29.66	-8.664	-3.28	37.46	-645.298
43242_3242	43242	3242	118.712	29.66	8.239	4.974	-37.46	654.144
43242_3243	43242	3243	-118.712	-28.316	-8.239	-4.974	-25.776	-431.66
43243_3243	43243	3243	119.307	23.33	-1.02	0.952	25.776	431.328
43243_3244	43243	3244	-119.307	-21.664	1.02	-0.952	-16.063	-217.146
43244_3244	43244	3244	119.305	21.664	-1.281	1.428	16.063	217.144
43244_3245	43244	3245	-119.305	-19.896	1.281	-1.428	-3.12	-7.2
43245_3245	43245	3245	119.138	19.825	1.093	1.406	3.12	7.197
43245_3246	43245	3246	-119.138	-18.085	-1.093	-1.406	-13.988	181.303

43246_3246	43246	3246	119.142	18.085	0.613	0.677	13.988	-181.307
43246_3247	43246	3247	-119.142	-16.391	-0.613	-0.677	-19.923	348.117
43247_3247	43247	3247	119.108	15.766	1.043	1.75	19.923	-348.03
43247_3248	43247	3248	-119.108	-14.158	-1.043	-1.75	-29.505	485.475
43248_3248	43248	3248	119.111	14.158	0.642	0.115	29.505	-485.478
43248_3249	43248	3249	-119.111	-12.332	-0.642	-0.115	-36.202	623.659
43249_3249	43249	3249	119.147	11.716	-0.417	1.789	36.202	-623.508
43249_3250	43249	3250	-119.147	-9.927	0.417	-1.789	-31.933	734.152
43250_3250	43250	3250	119.145	9.927	-0.765	-0.358	31.933	-734.154
43250_3251	43250	3251	-119.145	-8.281	0.765	0.358	-24.731	819.767
43251_3251	43251	3251	119.071	6.41	0.681	2.48	24.731	-819.532
43251_3252	43251	3252	-119.071	-4.939	-0.681	-2.48	-30.459	867.211
43252_3252	43252	3252	119.072	4.939	0.284	-0.414	30.459	-867.215
43252_3253	43252	3253	-119.072	-3.465	-0.284	0.414	-32.853	902.616
43253_3253	43253	3253	119.072	3.465	0.133	-1.557	32.853	-903.749
43253_3254	43253	3254	-119.072	-2.123	-0.133	1.557	-33.875	925.161
43254_3254	43254	3254	118.911	-1.685	4.79	-21.107	33.875	-925.727
43254_3255	43254	3255	-118.911	2.257	-4.79	21.107	-49.514	919.293
43255_3255	43255	3255	-0.28	-5.764	3.617	10.552	-15.8	-3731.37
43255_3256	43255	3256	0.475	7.554	-3.617	-10.552	-21.3	3663.527
43256_3256	43256	3256	-0.216	-7.566	3.615	-1.736	22.513	-3663.53
43256_3257	43256	3257	0.325	8.997	-3.615	1.736	-52.103	3595.995
43257_3257	43257	3257	0.25	-7.929	-10.092	7.292	51.481	-3595.45
43257_3258	43257	3258	-0.149	9.657	10.092	-7.292	48.217	3508.782
43258_3258	43258	3258	0.285	-9.653	-10.093	0.507	-47.769	-3508.8
43258_3259	43258	3259	-0.221	11.16	10.093	-0.507	134.725	3419.267
43259_3259	43259	3259	0.346	-11.155	-10.096	-3.903	-134.525	-3418.99
43259_3260	43259	3260	-0.329	11.708	10.096	3.903	166.424	3382.902
43260_3260	43260	3260	-24.327	-33.73	7.637	-27.237	-78.998	9077.639
43260_3261	43260	3261	24.354	35.041	-7.637	27.237	21.754	-9335.32
43261_3261	43261	3261	-23.897	-35.343	7.687	-7.159	-22.258	9335.354
43261_3262	43261	3262	23.911	36.979	-7.687	7.159	-49.595	-9673.34
43262_3262	43262	3262	-23.576	-37.178	7.767	26.006	49.534	9675.153
43262_3263	43262	3263	23.576	38.518	-7.767	-26.006	-109.031	-9965.05
43263_3263	43263	3263	-23.401	-39.345	-7.096	-14.634	109.031	9964.187
43263_3264	43263	3264	23.401	41.317	7.096	14.634	-29.086	-10418.6
43264_3264	43264	3264	-23.42	-41.317	-7.036	11.969	29.086	10418.58
43264_3265	43264	3265	23.42	43.379	7.036	-11.969	53.823	-10917.6
43265_3265	43265	3265	-23.468	-44.279	-2.12	-23.178	-53.823	10917.13
43265_3266	43265	3266	23.468	46.312	2.12	23.178	78.459	-11443.4
43266_3266	43266	3266	-23.476	-46.312	-2.032	20.097	-78.459	11443.39
43266_3267	43266	3267	23.476	48.313	2.032	-20.097	101.686	-11984.3
43267_3267	43267	3267	-23.482	-49.64	-1.112	-20.991	-101.686	11984.38
43267_3268	43267	3268	23.482	51.672	1.112	20.991	114.594	-12572.4
43268_3268	43268	3268	-23.485	-51.672	-1.046	14.204	-114.594	12572.44
43268_3269	43268	3269	23.485	53.675	1.046	-14.204	126.565	-13175.1
43269_3269	43269	3269	-23.538	-55.854	-6.219	-30.632	-126.565	13175.87
43269_3270	43269	3270	23.538	57.99	6.219	30.632	202.457	-13870.6
43270_3270	43270	3270	-23.562	-57.99	-6.128	22.3	-202.457	13870.61
43270_3271	43270	3271	23.562	60.106	6.128	-22.3	276.55	-14584.5
43271_3271	43271	3271	-23.451	-61.137	9.804	-48.947	-276.55	14585.32
43271_3272	43271	3272	23.451	62.35	-9.804	48.947	208.596	-15013.3
43272_3272	43272	3272	-22.884	-62.552	9.858	-11.867	-208.708	15014.48
43272_3273	43272	3273	22.869	64.204	-9.858	11.867	115.64	-15612.8
43273_3273	43273	3273	-21.945	-64.515	9.932	38.555	-114.689	15612.77

43273_3274	43273	3274	21.913	65.955	-9.932	-38.555	32.92	-16149.9
43274_3274	43274	3274	-21.709	-75.904	-22.738	-34.574	-34.862	16151.95
43274_3275	43274	3275	21.696	76.311	22.738	34.574	87.787	-16329.1
43275_3275	43275	3275	-20.847	-76.554	-22.718	-25.254	-87.824	16334.92
43275_3276	43275	3276	20.783	78.07	22.718	25.254	284.728	-17005.1
43276_3276	43276	3276	-19.631	-78.388	-22.649	28.227	-282.257	17005.16
43276_3277	43276	3277	19.543	79.911	22.649	-28.227	479.488	-17694.6
43277_3277	43277	3277	-5.399	26.446	-3.811	-3.035	-7.08	287.849
43277_3278	43277	3278	5.261	-24.621	3.811	3.035	46.866	-21.583
43278_3278	43278	3278	-5.999	24.453	-3.804	-1.593	-46.931	21.597
43278_3279	43278	3279	5.822	-22.771	3.804	1.593	83.584	205.515
43279_3279	43279	3279	53.702	30.982	-5.489	13.421	-122.72	1386.662
43279_3280	43279	3280	-53.702	-30.26	5.489	-13.421	145.362	-1260.36
43280_3280	43280	3280	53.782	20.999	5.239	-1.677	-145.362	1260.465
43280_3281	43280	3281	-53.782	-19.901	-5.239	1.677	112.497	-1132.17
43281_3281	43281	3281	53.798	19.901	5.067	1.38	-112.497	1138.146
43281_3282	43281	3282	-53.798	-18.211	-5.067	-1.38	63.584	-954.188
43282_3282	43282	3282	53.813	18.211	4.908	4.208	-63.584	954.179
43282_3283	43282	3283	-53.813	-16.748	-4.908	-4.208	22.56	-808.051
43283_3283	43283	3283	53.792	36.646	0.653	0.946	-22.56	780.158
43283_3284	43283	3284	-53.792	-34.482	-0.653	-0.946	14.497	-340.477
43284_3284	43284	3284	53.794	34.482	0.445	2.256	-14.497	340.47
43284_3285	43284	3285	-53.794	-32.395	-0.445	-2.256	9.189	58.273
43285_3285	43285	3285	53.804	14.998	1.198	1.908	-9.189	-58.274
43285_3286	43285	3286	-53.804	-12.926	-1.198	-1.908	-5	223.577
43286_3286	43286	3286	53.808	12.926	0.968	0.949	5	-223.583
43286_3287	43286	3287	-53.808	-11.104	-0.968	-0.949	-15.081	348.713
43287_3287	43287	3287	53.826	15.214	-0.197	2.404	15.081	-348.683
43287_3288	43287	3288	-53.826	-13.237	0.197	-2.404	-12.862	509.365
43288_3288	43288	3288	53.825	13.237	-0.379	0.675	12.862	-509.37
43288_3289	43288	3289	-53.825	-11.324	0.379	-0.675	-8.715	643.669
43289_3289	43289	3289	53.872	9.235	3.448	2.669	8.715	-643.713
43289_3290	43289	3290	-53.872	-7.771	-3.448	-2.669	-37.556	714.84
43290_3290	43290	3290	53.88	7.771	3.33	1.111	37.556	-714.844
43290_3291	43290	3291	-53.88	-6.397	-3.33	-1.111	-63.729	770.513
43291_3291	43291	3291	53.887	6.397	3.223	-0.281	63.729	-772.973
43291_3292	43291	3292	-53.887	-5.017	-3.223	0.281	-89.132	817.953
43292_3292	43292	3292	53.844	5.77	-1.22	-24.558	89.132	-817.675
43292_3293	43292	3293	-53.844	-5.33	1.22	24.558	-86.069	831.607
43293_3293	43293	3293	5.093	20.033	-3.751	11.504	-14.664	-2729.18
43293_3294	43293	3294	-4.933	-18.557	3.751	-11.504	46.427	2892.8
43294_3294	43294	3294	4.307	18.71	-3.763	1.234	-45.139	-2892.84
43294_3295	43294	3295	-4.178	-16.996	3.763	-1.234	82.06	3068.179
43295_3295	43295	3295	3.477	9.978	2.77	11.11	-82.412	-3068.34
43295_3296	43295	3296	-3.379	-8.074	-2.77	-11.11	52.242	3166.805
43296_3296	43296	3296	3.219	8.143	2.757	-0.39	-51.617	-3166.84
43296_3297	43296	3297	-3.176	-6.696	-2.757	0.39	28.796	3228.286
43297_3297	43297	3297	3.078	6.744	2.749	-9.826	-28.655	-3227.7
43297_3298	43297	3298	-3.068	-5.989	-2.749	9.826	16.785	3255.206
43298_3298	43298	3298	-2.963	-4.477	2.652	12.802	-68.259	-5616.87
43298_3299	43298	3299	2.967	5.919	-2.652	-12.802	46.417	5574.063
43299_3299	43299	3299	-2.943	-5.929	2.658	0.935	-46.376	-5574.08
43299_3300	43299	3300	2.943	7.232	-2.658	-0.935	26.565	5525.043
43300_3300	43300	3300	-2.937	-7.232	2.664	-9.182	-26.565	-5524.25
43300_3301	43300	3301	2.937	8.476	-2.664	9.182	7.632	5468.432

43301_3301	43301	3301	-2.949	-3.786	-0.197	14.097	-7.632	-5468.69
43301_3302	43301	3302	2.949	5.9	0.197	-14.097	10.013	5410.186
43302_3302	43302	3302	-2.95	-5.9	-0.185	-6.514	-10.013	-5410.2
43302_3303	43302	3303	2.95	8.034	0.185	6.514	12.279	5325.241
43303_3303	43303	3303	-2.94	-11.287	0.998	10.728	-12.279	-5325.43
43303_3304	43303	3304	2.94	13.534	-0.998	-10.728	-0.527	5166.18
43304_3304	43304	3304	-2.938	-13.534	1.007	-4.892	0.527	-5166.19
43304_3305	43304	3305	2.938	15.536	-1.007	4.892	-12.05	4999.856
43305_3305	43305	3305	-2.937	-18.274	0.61	10.57	12.05	-5000.04
43305_3306	43305	3306	2.937	20.59	-0.61	-10.57	-20.116	4742.892
43306_3306	43306	3306	-2.934	-20.59	0.62	-7.031	20.116	-4742.9
43306_3307	43306	3307	2.934	22.522	-0.62	7.031	-26.967	4504.861
43307_3307	43307	3307	-2.93	-25.64	0.934	8.163	26.967	-4505.03
43307_3308	43307	3308	2.93	27.84	-0.934	-8.163	-38.698	4168.945
43308_3308	43308	3308	-2.926	-27.84	0.943	-5.811	38.698	-4168.95
43308_3309	43308	3309	2.926	29.888	-0.943	5.811	-49.735	3831.169
43309_3309	43309	3309	-2.919	-34.089	1.268	5.428	49.735	-3831.37
43309_3310	43309	3310	2.919	36.165	-1.268	-5.428	-64.783	3414.503
43310_3310	43310	3310	-2.915	-36.165	1.277	-4.571	64.783	-3414.5
43310_3311	43310	3311	2.915	38.338	-1.277	4.571	-80.628	2952.086
43311_3311	43311	3311	-2.896	-37.363	3.658	2.822	80.628	-2952.15
43311_3312	43311	3312	2.896	39.482	-3.658	-2.822	-124.922	2486.923
43312_3312	43312	3312	-2.884	-39.482	3.668	-4.986	124.922	-2486.92
43312_3313	43312	3313	2.884	41.61	-3.668	4.986	-169.514	1993.894
43313_3313	43313	3313	-2.94	-53.791	-4.09	2.567	169.514	-1994.03
43313_3314	43313	3314	2.94	56.015	4.09	-2.567	-117.531	1296.156
43314_3314	43314	3314	-2.954	-56.015	-4.079	-2.273	117.531	-1296.16
43314_3315	43314	3315	2.954	58.228	4.079	2.273	-65.931	573.479
43315_3315	43315	3315	-2.815	-64.602	-8.057	-7.848	65.931	-573.684
43315_3316	43315	3316	2.815	66.034	8.057	7.848	0	39.168

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1	2	3	4	5	6	7	8	9	14
3000_3000	3000	3000	2.05	108.347	0.464	-0.433	0	6.167	1
3000_3001	3000	3001	124.884	-99.253	-0.464	0.433	-6.918	955.843	1
3001_3001	3001	3001	-124.881	99.253	0.463	-0.685	6.918	-955.841	1
3001_3002	3001	3002	206.776	-92.915	-0.463	0.685	-11.736	1576.505	1
3002_3002	3002	3002	-206.814	76.046	-0.495	-0.17	11.736	-1576.53	1
3002_3003	3002	3003	278.931	-68.633	0.495	0.17	-5.72	2123.089	1
3003_3003	3003	3003	-278.934	68.633	-0.495	-0.993	5.72	-2123.09	1
3003_3004	3003	3004	343.697	-61.215	0.495	0.993	0.306	2613.911	1
3004_3004	3004	3004	-343.684	48.142	0.072	-0.19	-0.306	-2613.97	1
3004_3005	3004	3005	387.999	-40.726	-0.072	0.19	-0.575	2949.82	1
3005_3005	3005	3005	-387.999	40.726	0.072	-0.795	0.575	-2949.82	1
3005_3006	3005	3006	424.941	-33.304	-0.072	0.795	-1.454	3229.795	1
3006_3006	3006	3006	-424.95	21.069	0.011	0.369	1.454	-3229.85	1
3006_3007	3006	3007	442.261	-13.654	-0.011	-0.369	-1.59	3361.046	1
3007_3007	3007	3007	-442.261	13.654	0.011	-0.931	1.59	-3361.04	1
3007_3008	3007	3008	452.182	-6.234	-0.011	0.931	-1.719	3436.235	1
3008_3008	3008	3008	-452.195	-5.807	0.043	0.219	1.719	-3436.35	1
3008_3009	3008	3009	442.703	13.225	-0.043	-0.219	-2.246	3364.404	1
3009_3009	3009	3009	-442.702	-13.225	0.043	-0.394	2.246	-3364.4	1
3009_3010	3009	3010	425.812	20.643	-0.043	0.394	-2.769	3236.394	1
3010_3010	3010	3010	-425.822	-32.713	0.002	0.671	2.769	-3236.46	1
3010_3011	3010	3011	389.497	40.13	-0.002	-0.671	-2.793	2961.164	1
3011_3011	3011	3011	-389.498	-40.13	0.001	-0.408	2.793	-2961.17	1
3011_3012	3011	3012	345.785	47.545	-0.001	0.408	-2.811	2629.88	1
3012_3012	3012	3012	-345.797	-59.851	-0.091	0.471	2.811	-2629.94	1
3012_3013	3012	3013	282.378	67.27	0.091	-0.471	-1.698	2149.303	1
3013_3013	3013	3013	-282.379	-67.27	-0.092	0.079	1.698	-2149.3	1
3013_3014	3013	3014	211.564	74.69	0.092	-0.079	-0.583	1612.614	1
3014_3014	3014	3014	-211.551	-87.605	0.369	0.496	0.583	-1612.65	1
3014_3015	3014	3015	86.602	97.637	-0.369	-0.496	-6.648	665.691	1
3015_3015	3015	3015	-93.595	-97.206	0.252	0.024	4.543	-680.749	1
3015_3016	3015	3016	19.296	102.2	-0.252	-0.019	-6.617	156.496	1
3016_3016	3016	3016	-17.218	-117.432	0.042	0.095	6.625	-156.496	1
3016_3017	3016	3017	-98.24	124.488	-0.042	-0.091	-7.122	-764.17	1.06
3017_3017	3017	3017	100.315	-124.029	0.042	0.085	7.138	767.853	1.06
3017_3018	3017	3018	-198.255	132.468	-0.042	-0.079	-7.696	-1923.73	1.03
3018_3018	3018	3018	202.314	-148.347	-0.266	-0.261	7.679	1923.722	1.03
3018_3019	3018	3019	-269.261	156.78	0.266	0.215	-4.348	-3284.61	1.02
3019_3019	3019	3019	272.659	-155.928	-0.266	0.394	4.44	3284.601	1.02
3019_3020	3019	3020	-305.412	164.734	0.266	-0.445	-1.097	-4787.79	1.02
3020_3020	3020	3020	-261.633	58.417	0.246	-0.085	-6.008	1014.369	1.02
3020_3021	3020	3021	308.809	-52.762	-0.246	0.085	3.671	-675.309	1
3021_3021	3021	3021	-287.697	52.581	0.29	0.012	-2.888	572.433	1
3021_3022	3021	3022	324.124	-47.979	-0.29	-0.012	0.636	-328.348	1
3022_3022	3022	3022	-324.124	47.979	0.29	0.012	-0.636	328.348	1
3022_3023	3022	3023	357.216	-43.377	-0.29	-0.012	-1.616	-106.604	1
3023_3023	3023	3023	-357.229	28.134	-0.122	-0.017	1.616	106.613	1
3023_3024	3023	3024	376.492	-23.384	0.122	0.017	-0.641	22.464	1
3024_3024	3024	3024	-376.492	23.384	-0.122	-0.017	0.641	-22.464	1
3024_3025	3024	3025	392.203	-18.634	0.122	0.017	0.334	127.739	1
3025_3025	3025	3025	-392.204	18.634	-0.065	-0.03	-0.334	-127.738	1
3025_3026	3025	3026	404.349	-13.891	0.065	0.03	0.856	209.116	1
3026_3026	3026	3026	-404.354	-0.696	-0.148	0.005	-0.856	-209.133	1

3026_3027	3026	3027	402.965	4.258	0.148	-0.005	1.746	199.825	1
3027_3027	3027	3027	-402.966	-4.258	-0.064	-0.026	-1.746	-199.825	1
3027_3028	3027	3028	399.58	7.82	0.064	0.026	2.132	177.136	1
3028_3028	3028	3028	-399.58	-7.82	-0.064	-0.026	-2.132	-177.136	1
3028_3029	3028	3029	394.197	11.381	0.064	0.026	2.517	141.065	1
3029_3029	3029	3029	-394.197	-11.381	0.02	-0.049	-2.517	-141.064	1
3029_3030	3029	3030	386.818	14.942	-0.02	0.049	2.399	91.621	1
3030_3030	3030	3030	-386.825	-29.495	-0.062	-0.036	-2.399	-91.635	1
3030_3031	3030	3031	362.97	34.249	0.062	0.036	2.897	-68.208	1
3031_3031	3031	3031	-362.97	-34.249	-0.005	-0.029	-2.897	68.209	1
3031_3032	3031	3032	335.597	38.997	0.005	0.029	2.941	-251.628	1
3032_3032	3032	3032	-335.597	-38.997	0.058	0.001	-2.941	251.628	1
3032_3033	3032	3033	304.679	43.744	-0.058	-0.001	2.48	-458.8	1
3033_3033	3033	3033	-304.696	-59.52	-0.197	-0.141	-2.48	458.816	1
3033_3034	3033	3034	259.944	64.118	0.197	0.141	4.006	-758.683	1
3034_3034	3034	3034	-259.946	-64.118	-0.061	0.053	-4.006	758.685	1
3034_3035	3034	3035	211.814	68.721	0.061	-0.053	4.476	-1081.2	1
3035_3035	3035	3035	-237.697	-68.984	-0.118	-0.028	-5.872	1207.499	1
3035_3036	3035	3036	177.008	74.647	0.118	0.028	6.99	-1647.19	1.01
3036_3036	3036	3036	357.557	141.742	0.146	-0.434	-2.212	5633.656	1.01
3036_3037	3036	3037	-352.393	-132.737	-0.146	0.406	0.38	-4289.59	1.02
3037_3037	3037	3037	349.45	133.853	0.145	0.156	-0.449	4289.592	1.02
3037_3038	3037	3038	-318.448	-125.163	-0.145	-0.181	-1.368	-3077.48	1.02
3038_3038	3038	3038	314.87	110.336	-0.026	-0.29	1.407	3077.611	1.02
3038_3039	3038	3039	-260.889	-101.659	0.026	0.294	-1.061	-2069.46	1.03
3039_3039	3039	3039	260.384	102.857	-0.028	0.045	1.034	2059.709	1.03
3039_3040	3039	3040	-181.728	-95.768	0.028	-0.043	-0.71	-1272.68	1.05
3040_3040	3040	3040	179.992	80.476	-0.011	-0.217	0.716	1272.755	1.05
3040_3041	3040	3041	-126.256	-75.613	0.011	0.217	-0.624	-853.133	1.07
3041_3041	3041	3041	137.397	75.394	-0.006	-0.088	0.292	795.195	1.07
3041_3042	3041	3042	-24.766	-66.069	0.006	0.088	-0.2	-113.213	1
3042_3042	3042	3042	24.763	53.313	-0.03	-0.075	0.2	113.215	1
3042_3043	3042	3043	34.478	-46.351	0.03	0.075	0.159	245.49	1
3043_3043	3043	3043	-34.478	46.351	-0.03	-0.092	-0.159	-245.489	1
3043_3044	3043	3044	85.44	-39.39	0.03	0.092	0.523	554.063	1
3044_3044	3044	3044	-85.44	27.578	0.006	0.02	-0.523	-554.082	1
3044_3045	3044	3045	114.083	-20.617	-0.006	-0.02	0.449	727.52	1
3045_3045	3045	3045	-114.083	20.617	0.005	-0.089	-0.449	-727.519	1
3045_3046	3045	3046	134.464	-13.652	-0.005	0.089	0.387	850.927	1
3046_3046	3046	3046	-134.468	2.052	0.003	0.029	-0.387	-850.951	1
3046_3047	3046	3047	132.772	4.907	-0.003	-0.029	0.356	840.679	1
3047_3047	3047	3047	-132.772	-4.907	0.003	0.024	-0.356	-840.679	1
3047_3048	3047	3048	122.794	11.871	-0.003	-0.024	0.325	780.266	1
3048_3048	3048	3048	-122.801	-23.648	-0.013	0.081	-0.325	-780.294	1
3048_3049	3048	3049	90.542	30.611	0.013	-0.081	0.487	584.965	1
3049_3049	3049	3049	-90.542	-30.611	-0.013	0.084	-0.487	-584.964	1
3049_3050	3049	3050	50.04	37.569	0.013	-0.084	0.648	339.726	1
3050_3050	3050	3050	-50.028	-49.995	0.091	0.104	-0.648	-339.732	1
3050_3051	3050	3051	-36.916	59.311	-0.091	-0.104	-0.804	-186.715	1.15
3051_3051	3051	3051	36.136	-59.367	0.106	0.152	0.942	193.05	1.15
3051_3052	3051	3052	-82.679	64.183	-0.106	-0.149	-1.815	-512.459	1.06
3052_3052	3052	3052	84.109	-79.174	0.01	0.092	1.817	512.457	1.06
3052_3053	3052	3053	-160.044	86.056	-0.01	-0.091	-1.936	-1137.01	1.03
3053_3053	3053	3053	149.423	-85.968	0.013	0.225	2.661	1202.047	1.03
3053_3054	3053	3054	-204.747	94.066	-0.013	-0.223	-2.836	-2046.23	1.02
3054_3054	3054	3054	207.919	-108.716	-0.147	-0.255	2.813	2046.222	1.02

3054_3055	3054	3055	-246.368	116.737	0.147	0.228	-0.968	-3083.53	1.01
3055_3055	3055	3055	248.913	-115.768	-0.149	0.635	1.042	3083.523	1.01
3055_3056	3055	3056	-264.998	124.08	0.149	-0.665	0.825	-4236.01	1.01
3056_3056	3056	3056	-187.627	66.769	0.229	-0.046	-6.739	1134.842	1.01
3056_3057	3056	3057	240.006	-61.314	-0.229	0.046	4.566	-736.82	1
3057_3057	3057	3057	-237.828	61.305	0.254	0.11	-4.114	721.64	1
3057_3058	3057	3058	277.295	-56.858	-0.254	-0.11	2.143	-421.772	1
3058_3058	3058	3058	-277.295	56.858	0.254	0.11	-2.143	421.772	1
3058_3059	3058	3059	313.792	-52.412	-0.254	-0.11	0.172	-144.475	1
3059_3059	3059	3059	-313.807	37.527	-0.077	0.051	-0.172	144.476	1
3059_3060	3059	3060	338.13	-32.93	0.077	-0.051	0.785	40.328	1
3060_3060	3060	3060	-338.131	32.93	-0.033	0.042	-0.785	-40.328	1
3060_3061	3060	3061	359.254	-28.34	0.033	-0.042	1.047	200.823	1
3061_3061	3061	3061	-359.254	28.34	-0.033	0.042	-1.047	-200.823	1
3061_3062	3061	3062	377.213	-23.75	0.033	-0.042	1.309	337.271	1
3062_3062	3062	3062	-377.216	9.563	0.009	0.065	-1.309	-337.285	1
3062_3063	3062	3063	381.274	-6.118	-0.009	-0.065	1.254	368.114	1
3063_3063	3063	3063	-381.274	6.118	0.009	0.065	-1.254	-368.114	1
3063_3064	3063	3064	383.548	-2.673	-0.009	-0.065	1.198	385.397	1
3064_3064	3064	3064	-383.548	2.673	0.009	0.065	-1.198	-385.397	1
3064_3065	3064	3065	384.04	0.772	-0.009	-0.065	1.143	389.134	1
3065_3065	3065	3065	-384.04	-0.772	0.068	-0.049	-1.143	-389.134	1
3065_3066	3065	3066	382.752	4.211	-0.068	0.049	0.736	379.354	1
3066_3066	3066	3066	-382.759	-18.331	0.042	0.053	-0.736	-379.377	1
3066_3067	3066	3067	368.521	22.925	-0.042	-0.053	0.404	271.201	1
3067_3067	3067	3067	-368.521	-22.925	0.042	0.053	-0.404	-271.201	1
3067_3068	3067	3068	351.112	27.52	-0.042	-0.053	0.071	138.929	1
3068_3068	3068	3068	-351.11	-27.52	0.132	-0.01	-0.071	-138.929	1
3068_3069	3068	3069	330.561	32.108	-0.132	0.01	-0.988	-17.204	1
3069_3069	3069	3069	-330.597	-46.771	-0.162	-0.076	0.988	17.198	1
3069_3070	3069	3070	297.84	51.222	0.162	0.076	0.268	-266.076	1
3070_3070	3070	3070	-297.842	-51.222	-0.116	-0.015	-0.268	266.076	1
3070_3071	3070	3071	262.161	55.666	0.116	0.015	1.17	-537.176	1
3071_3071	3071	3071	-266.258	-55.71	-0.079	0.107	-1.373	562.212	1
3071_3072	3071	3072	218.876	61.171	0.079	-0.107	2.124	-927.28	1.01
3072_3072	3072	3072	251.393	130.273	0.112	-0.253	1.209	4005.164	1.01
3072_3073	3072	3073	-228.118	-122.022	-0.112	0.231	-2.612	-2803.85	1.01
3073_3073	3073	3073	225.436	123.05	0.111	0.104	2.577	2803.854	1.01
3073_3074	3073	3074	-177.769	-115.095	-0.111	-0.123	-3.964	-1719.5	1.01
3074_3074	3074	3074	174.418	100.159	-0.045	-0.203	3.973	1719.574	1.01
3074_3075	3074	3075	-107.904	-92.111	0.045	0.209	-3.377	-828.868	1.03
3075_3075	3075	3075	114.241	92.163	-0.034	-0.021	2.459	785.267	1.03
3075_3076	3075	3076	-28.066	-85.659	0.034	0.025	-2.055	-119.121	1.03
3076_3076	3076	3076	26.548	71.652	-0.037	-0.081	2.054	119.129	1.03
3076_3077	3076	3077	26.667	-67.088	0.037	0.082	-1.751	238.171	1
3077_3077	3077	3077	-24.659	67.522	-0.055	-0.269	2.511	-243.699	1
3077_3078	3077	3078	104.655	-59.39	0.055	0.269	-1.707	823.618	1
3078_3078	3078	3078	-104.657	48.38	-0.025	-0.197	1.707	-823.638	1
3078_3079	3078	3079	148.693	-42.101	0.025	0.197	-1.421	1142.87	1
3079_3079	3079	3079	-148.693	42.101	-0.025	-0.197	1.421	-1142.87	1
3079_3080	3079	3080	186.617	-35.823	0.025	0.197	-1.135	1417.798	1
3080_3080	3080	3080	-186.618	25.374	-0.002	-0.004	1.135	-1417.82	1
3080_3081	3080	3081	208.275	-19.09	0.002	0.004	-1.117	1574.817	1
3081_3081	3081	3081	-208.275	19.09	-0.003	-0.243	1.117	-1574.82	1
3081_3082	3081	3082	223.8	-12.812	0.003	0.243	-1.086	1687.358	1
3082_3082	3082	3082	-223.804	1.833	-0.01	0.105	1.086	-1687.38	1

3082_3083	3082	3083	222.192	4.914	0.01	-0.105	-0.966	1675.704	1
3083_3083	3083	3083	-222.192	-4.914	-0.011	-0.154	0.966	-1675.7	1
3083_3084	3083	3084	213.513	11.667	0.011	0.154	-0.831	1612.786	1
3084_3084	3084	3084	-213.519	-22.664	-0.027	0.203	0.831	-1612.82	1
3084_3085	3084	3085	188.41	28.941	0.027	-0.203	-0.528	1430.796	1
3085_3085	3085	3085	-188.41	-28.941	-0.028	-0.034	0.528	-1430.8	1
3085_3086	3085	3086	157.164	35.224	0.028	0.034	-0.21	1204.283	1
3086_3086	3086	3086	-157.169	-45.721	-0.016	0.23	0.21	-1204.32	1
3086_3087	3086	3087	109.584	52.003	0.016	-0.23	-0.034	859.361	1
3087_3087	3087	3087	-109.584	-52.003	-0.017	0.099	0.034	-859.362	1
3087_3088	3087	3088	55.934	58.279	0.017	-0.099	0.154	470.435	1
3088_3088	3088	3088	-55.927	-69.046	0.107	0.208	-0.154	-470.445	1
3088_3089	3088	3089	-32.514	76.866	-0.107	-0.208	-1.345	-170.694	1.08
3089_3089	3089	3089	33.05	-76.748	0.095	0.207	1.212	180.839	1.08
3089_3090	3089	3090	-86.972	81.367	-0.095	-0.205	-2	-613.279	1.08
3090_3090	3090	3090	88.693	-94.917	-0.007	0.068	2	613.28	1.08
3090_3091	3090	3091	-170.162	101.548	0.007	-0.069	-1.917	-1395.89	1.02
3091_3091	3091	3091	170.06	-100.75	-0.01	0.221	2.438	1408.912	1.02
3091_3092	3091	3092	-232.562	108.563	0.01	-0.223	-2.302	-2403.29	1.02
3092_3092	3092	3092	236.06	-122.82	-0.147	-0.118	2.284	2403.276	1.02
3092_3093	3092	3093	-276.574	130.6	0.147	0.092	-0.445	-3586.21	1.02
3093_3093	3093	3093	279.457	-129.473	-0.148	0.386	0.495	3586.205	1.02
3093_3094	3093	3094	-294.866	137.539	0.148	-0.415	1.361	-4886.24	1
3094_3094	3094	3094	-212.216	59.718	0.23	-0.194	-7.479	1248.417	1
3094_3095	3094	3095	257.807	-54.527	-0.23	0.194	5.288	-887.865	1
3095_3095	3095	3095	-259.621	54.693	0.403	0.135	-6.086	896.795	1
3095_3096	3095	3096	292.298	-50.451	-0.403	-0.135	2.97	-620.433	1
3096_3096	3096	3096	-292.298	50.451	0.405	0.14	-2.97	620.433	1
3096_3097	3096	3097	322.376	-46.203	-0.405	-0.14	-0.169	-366.059	1
3097_3097	3097	3097	-322.389	32.026	-0.066	-0.04	0.169	366.065	1
3097_3098	3097	3098	341.555	-27.641	0.066	0.04	0.358	-203.972	1
3098_3098	3098	3098	-341.555	27.641	0.014	0.009	-0.358	203.972	1
3098_3099	3098	3099	357.885	-23.262	-0.014	-0.009	0.248	-65.865	1
3099_3099	3099	3099	-357.885	23.262	0.016	0.009	-0.248	65.865	1
3099_3100	3099	3100	371.421	-18.877	-0.016	-0.009	0.122	48.608	1
3100_3100	3100	3100	-371.414	5.423	0.248	-0.065	-0.122	-48.607	1
3100_3101	3100	3101	373.234	-2.134	-0.248	0.065	-1.365	64.003	1
3101_3101	3101	3101	-373.234	2.134	0.248	-0.065	1.365	-64.003	1
3101_3102	3101	3102	373.47	1.154	-0.248	0.065	-2.853	65.999	1
3102_3102	3102	3102	-373.469	-1.154	-0.3	0.044	2.853	-65.999	1
3102_3103	3102	3103	372.124	4.438	0.3	-0.044	-1.056	54.622	1
3103_3103	3103	3103	-372.126	-4.438	-0.187	0.026	1.056	-54.623	1
3103_3104	3103	3104	369.195	7.727	0.187	-0.026	0.07	29.834	1
3104_3104	3104	3104	-369.194	-21.169	-0.031	-0.035	-0.07	-29.833	1
3104_3105	3104	3105	354.184	25.554	0.031	0.035	0.32	-97.111	1
3105_3105	3105	3105	-354.184	-25.554	0.048	-0.011	-0.32	97.111	1
3105_3106	3105	3106	336.381	29.934	-0.048	0.011	-0.064	-247.674	1
3106_3106	3106	3106	-336.381	-29.934	0.05	-0.01	0.064	247.674	1
3106_3107	3106	3107	315.74	34.319	-0.05	0.01	-0.467	-422.238	1
3107_3107	3107	3107	-315.748	-48.506	-0.313	-0.096	0.467	422.246	1
3107_3108	3107	3108	284.237	52.754	0.313	0.096	1.956	-688.743	1
3108_3108	3108	3108	-284.237	-52.754	-0.315	-0.101	-1.956	688.743	1
3108_3109	3108	3109	250.127	56.997	0.315	0.101	4.395	-977.213	1
3109_3109	3109	3109	-249.474	-56.846	-0.221	0.078	-3.951	973.955	1
3109_3110	3109	3110	202.313	62.039	0.221	-0.078	6.054	-1350.23	1.01
3110_3110	3110	3110	301.198	134.49	0.125	-0.707	0.133	5025.291	1.01

3110_3111	3110	3111	-289.561	-126.396	-0.125	0.683	-1.698	-3744.55	1.01
3111_3111	3111	3111	286.736	127.575	0.122	0.396	1.589	3744.552	1.01
3111_3112	3111	3112	-251.189	-119.756	-0.122	-0.417	-3.117	-2579.72	1.01
3112_3112	3112	3112	247.743	105.798	-0.038	-0.291	3.161	2579.782	1.01
3112_3113	3112	3113	-191.084	-97.943	0.038	0.296	-2.658	-1601.7	1.03
3113_3113	3113	3113	191.598	98.838	-0.032	-0.007	2.088	1586.751	1.03
3113_3114	3113	3114	-115.053	-92.357	0.032	0.01	-1.716	-819.149	1.03
3114_3114	3114	3114	113.368	78.888	-0.067	-0.206	1.716	819.17	1.03
3114_3115	3114	3115	-62.022	-74.388	0.067	0.208	-1.164	-397.85	1.11
3115_3115	3115	3115	65.724	74.148	-0.056	-0.146	0.966	357.626	1.11
3115_3116	3115	3116	29.543	-66.302	0.056	0.146	-0.161	252.403	1
3116_3116	3116	3116	-29.542	55.698	-0.008	-0.052	0.161	-252.394	1
3116_3117	3116	3117	84.913	-49.616	0.008	0.052	-0.076	606.956	1
3117_3117	3117	3117	-84.913	49.616	-0.009	-0.188	0.076	-606.955	1
3117_3118	3117	3118	133.846	-43.54	0.009	0.188	0.03	920.295	1
3118_3118	3118	3118	-133.849	33.54	-0.001	0.069	-0.03	-920.309	1
3118_3119	3118	3119	165.894	-27.464	0.001	-0.069	0.04	1125.503	1
3119_3119	3119	3119	-165.893	27.464	-0.003	-0.186	-0.04	-1125.5	1
3119_3120	3119	3120	191.554	-21.388	0.003	0.186	0.073	1289.816	1
3120_3120	3120	3120	-191.552	10.929	-0.003	0.082	-0.073	-1289.8	1
3120_3121	3120	3121	200.205	-4.399	0.003	-0.082	0.105	1345.214	1
3121_3121	3121	3121	-200.205	4.399	-0.004	-0.06	-0.105	-1345.21	1
3121_3122	3121	3122	201.486	2.131	0.004	0.06	0.149	1353.412	1
3122_3122	3122	3122	-201.486	-12.649	-0.009	0.151	-0.149	-1353.41	1
3122_3123	3122	3123	185.007	18.725	0.009	-0.151	0.248	1247.892	1
3123_3123	3123	3123	-185.007	-18.725	-0.01	0.008	-0.248	-1247.89	1
3123_3124	3123	3124	162.123	24.806	0.01	-0.008	0.358	1101.355	1
3124_3124	3124	3124	-162.123	-35.021	-0.002	0.229	-0.358	-1101.36	1
3124_3125	3124	3125	122.143	41.097	0.002	-0.229	0.379	845.348	1
3125_3125	3125	3125	-122.143	-41.097	-0.004	0.037	-0.379	-845.35	1
3125_3126	3125	3126	75.781	47.173	0.004	-0.037	0.422	548.477	1
3126_3126	3126	3126	-75.778	-57.615	0.073	0.161	-0.422	-548.471	1
3126_3127	3126	3127	-3.474	65.086	-0.073	-0.161	-0.582	40.989	1
3127_3127	3127	3127	3.938	-64.772	0.064	0.094	0.522	-39.536	1
3127_3128	3127	3128	-56.411	69.213	-0.064	-0.093	-1.05	-300.405	1
3128_3128	3128	3128	57.873	-82.582	-0.014	-0.003	1.049	300.393	1
3128_3129	3128	3129	-141.293	88.922	0.014	0.001	-0.89	-935.243	1.07
3129_3129	3129	3129	132.233	-88.83	-0.019	0.303	1.112	995.149	1.07
3129_3130	3129	3130	-194.389	96.779	0.019	-0.306	-0.856	-1854.12	1.04
3130_3130	3130	3130	197.666	-112.199	-0.053	-0.013	0.842	1854.109	1.04
3130_3131	3130	3131	-241.746	120.082	0.053	0.004	-0.173	-2911.29	1.03
3131_3131	3131	3131	245.138	-118.556	-0.054	0.329	0.205	2911.289	1.03
3131_3132	3131	3132	-260.599	126.299	0.054	-0.34	0.431	-4010.62	1.03
3132_3132	3132	3132	-196.068	61.11	0.579	0.335	-8.24	1013.377	1.03
3132_3133	3132	3133	248.61	-55.319	-0.579	-0.335	2.273	-623.938	1
3133_3133	3133	3133	-231.718	55.098	0.48	0.04	-2.061	541.552	1
3133_3134	3133	3134	269.615	-50.758	-0.48	-0.04	-1.656	-282.946	1
3134_3134	3134	3134	-269.646	50.758	0.07	-0.344	1.656	282.931	1
3134_3135	3134	3135	304.567	-46.402	-0.07	0.344	-2.204	-44.631	1
3135_3135	3135	3135	-304.555	31.491	-0.022	-0.014	2.204	44.685	1
3135_3136	3135	3136	326.177	-27.01	0.022	0.014	-2.026	102.862	1
3136_3136	3136	3136	-326.177	27.01	-0.022	-0.014	2.026	-102.862	1
3136_3137	3136	3137	344.487	-22.53	0.022	0.014	-1.848	227.809	1
3137_3137	3137	3137	-344.487	22.53	0.021	-0.047	1.848	-227.808	1
3137_3138	3137	3138	359.468	-18.056	-0.021	0.047	-2.018	330.041	1
3138_3138	3138	3138	-359.466	5.026	-0.055	0.008	2.018	-330.054	1

3138_3139	3138	3139	361.321	-1.666	0.055	-0.008	-1.686	342.712	1
3139_3139	3139	3139	-361.321	1.666	-0.055	0.008	1.686	-342.712	1
3139_3140	3139	3140	361.313	1.694	0.055	-0.008	-1.355	342.658	1
3140_3140	3140	3140	-361.313	-1.694	0.004	-0.059	1.355	-342.658	1
3140_3141	3140	3141	359.443	5.054	-0.004	0.059	-1.377	329.892	1
3141_3141	3141	3141	-359.442	-5.054	-0.055	0.006	1.377	-329.892	1
3141_3142	3141	3142	355.709	8.415	0.055	-0.006	-1.046	304.414	1
3142_3142	3142	3142	-355.712	-21.824	-0.021	0.013	1.046	-304.424	1
3142_3143	3142	3143	337.924	26.304	0.021	-0.013	-0.877	183.041	1
3143_3143	3143	3143	-337.924	-26.304	0.023	-0.014	0.877	-183.041	1
3143_3144	3143	3144	316.825	30.784	-0.023	0.014	-1.062	39.062	1
3144_3144	3144	3144	-316.825	-30.784	-0.021	-0.009	1.062	-39.062	1
3144_3145	3144	3145	292.414	35.264	0.021	0.009	-0.894	-127.519	1
3145_3145	3145	3145	-292.381	-49.803	-0.247	0.024	0.894	127.522	1
3145_3146	3145	3146	255.163	54.143	0.247	-0.024	1.021	-381.493	1
3146_3146	3146	3146	-255.16	-54.143	-0.293	-0.034	-1.021	381.493	1
3146_3147	3146	3147	214.834	58.484	0.293	0.034	3.29	-656.678	1
3147_3147	3147	3147	-229.871	-58.671	-0.265	-0.006	-3.384	729.998	1
3147_3148	3147	3148	178.233	64.008	0.265	0.006	5.904	-1106.24	1
3148_3148	3148	3148	277.479	123.504	0.076	-0.145	-0.568	4193.265	1
3148_3149	3148	3149	-261.473	-115.306	-0.076	0.13	-0.386	-3051.31	1
3149_3149	3149	3149	258.938	116.493	0.076	-0.131	0.383	3051.31	1
3149_3150	3149	3150	-219.587	-108.585	-0.076	0.118	-1.334	-2022.94	1
3150_3150	3150	3150	216.431	93.993	-0.015	-0.096	1.328	2022.94	1
3150_3151	3150	3151	-159.381	-86.027	0.015	0.098	-1.124	-1186.13	1
3151_3151	3151	3151	170.626	86.28	-0.012	-0.095	0.911	1114.805	1
3151_3152	3151	3152	-91.743	-79.435	0.012	0.096	-0.769	-499.885	1
3152_3152	3152	3152	90.331	65.122	-0.041	-0.083	0.766	499.887	1
3152_3153	3152	3153	-41.432	-60.336	0.041	0.084	-0.425	-182.113	1
3153_3153	3153	3153	42.238	60.321	-0.034	-0.063	0.348	175.614	1
3153_3154	3153	3154	37.841	-52.369	0.034	0.063	0.115	278.349	1
3154_3154	3154	3154	-37.845	41.031	-0.008	-0.026	-0.115	-278.343	1
3154_3155	3154	3155	80.908	-34.665	0.008	0.026	0.198	522.468	1
3155_3155	3155	3155	-80.908	34.665	-0.008	-0.058	-0.198	-522.467	1
3155_3156	3155	3156	116.728	-28.299	0.008	0.058	0.29	725.528	1
3156_3156	3156	3156	-116.729	17.891	0.001	-0.008	-0.29	-725.523	1
3156_3157	3156	3157	132.254	-12.098	-0.001	0.008	0.285	813.534	1
3157_3157	3157	3157	-132.254	12.098	0.001	-0.008	-0.285	-813.534	1
3157_3158	3157	3158	141.781	-6.305	-0.001	0.008	0.28	867.541	1
3158_3158	3158	3158	-141.777	-2.998	0.001	0.028	-0.28	-867.523	1
3158_3159	3158	3159	135.674	8.791	-0.001	-0.028	0.272	832.922	1
3159_3159	3159	3159	-135.674	-8.791	0.001	0.027	-0.272	-832.922	1
3159_3160	3159	3160	123.557	14.59	-0.001	-0.027	0.265	764.232	1
3160_3160	3160	3160	-123.558	-25.07	0.007	0.074	-0.265	-764.232	1
3160_3161	3160	3161	91.444	31.431	-0.007	-0.074	0.193	582.175	1
3161_3161	3161	3161	-91.444	-31.431	0.006	0.038	-0.193	-582.176	1
3161_3162	3161	3162	52.06	37.797	-0.006	-0.038	0.131	358.914	1
3162_3162	3162	3162	-52.067	-49.201	0.044	0.07	-0.131	-358.909	1
3162_3163	3162	3163	-23.568	57.158	-0.044	-0.07	-0.478	-69.861	1
3163_3163	3163	3163	23.748	-57.125	0.048	0.085	0.508	71.367	1
3163_3164	3163	3164	-71.278	61.892	-0.048	-0.084	-0.903	-368.43	1
3164_3164	3164	3164	72.645	-76.494	-0.009	0.096	0.906	368.413	1
3164_3165	3164	3165	-151.593	83.288	0.009	-0.097	-0.8	-952.346	1
3165_3165	3165	3165	147.123	-82.712	-0.009	0.054	0.895	986.488	1
3165_3166	3165	3166	-208.652	91.209	0.009	-0.055	-0.769	-1767.16	1
3166_3166	3166	3166	211.806	-107.24	-0.049	0.052	0.771	1767.166	1

3166_3167	3166	3167	-257.045	115.667	0.049	-0.061	-0.162	-2753.12	1
3167_3167	3167	3167	259.503	-114.486	-0.049	0.058	0.163	2753.116	1
3167_3168	3167	3168	-280.067	123.254	0.049	-0.068	0.448	-3859.22	1
3168_3168	3168	3168	-169.592	67.841	0.162	-0.051	-3.9	982.129	1
3168_3169	3168	3169	227.851	-62.091	-0.162	0.051	2.362	-597.904	1
3169_3169	3169	3169	-212.249	61.905	0.16	-0.002	-1.878	521.862	1
3169_3170	3169	3170	257.46	-57.228	-0.16	0.002	0.639	-241.01	1
3170_3170	3170	3170	-257.46	57.228	0.16	-0.002	-0.639	241.01	1
3170_3171	3170	3171	299.121	-52.551	-0.16	0.002	-0.6	17.792	1
3171_3171	3171	3171	-299.085	37.188	-0.001	-0.013	0.6	-17.775	1
3171_3172	3171	3172	326.298	-32.367	0.001	0.013	-0.595	186.83	1
3172_3172	3172	3172	-326.298	32.367	0	-0.014	0.595	-186.83	1
3172_3173	3172	3173	349.767	-27.539	0	0.014	-0.595	332.615	1
3173_3173	3173	3173	-349.767	27.539	0	-0.014	0.595	-332.615	1
3173_3174	3173	3174	369.452	-22.712	0	0.014	-0.595	454.905	1
3174_3174	3174	3174	-369.454	8.07	0.031	-0.048	0.595	-454.914	1
3174_3175	3174	3175	373.132	-4.449	-0.031	0.048	-0.78	477.763	1
3175_3175	3175	3175	-373.132	4.449	-0.007	0.037	0.78	-477.763	1
3175_3176	3175	3176	374.682	-0.828	0.007	-0.037	-0.736	487.396	1
3176_3176	3176	3176	-374.682	0.828	0.031	-0.05	0.736	-487.396	1
3176_3177	3176	3177	374.105	2.792	-0.031	0.05	-0.921	483.812	1
3177_3177	3177	3177	-374.106	-2.792	-0.007	0.036	0.921	-483.812	1
3177_3178	3177	3178	371.401	6.413	0.007	-0.036	-0.877	467.011	1
3178_3178	3178	3178	-371.399	-21.118	-0.011	0.011	0.877	-467.012	1
3178_3179	3178	3179	352.962	25.945	0.011	-0.011	-0.791	352.483	1
3179_3179	3179	3179	-352.962	-25.945	-0.011	0.011	0.791	-352.483	1
3179_3180	3179	3180	330.743	30.773	0.011	-0.011	-0.705	214.457	1
3180_3180	3180	3180	-330.743	-30.773	0.018	-0.018	0.705	-214.457	1
3180_3181	3180	3181	304.742	35.6	-0.018	0.018	-0.848	52.939	1
3181_3181	3181	3181	-304.7	-50.982	-0.177	0.001	0.848	-52.918	1
3181_3182	3181	3182	264.284	55.653	0.177	-0.001	0.522	-198.153	1
3182_3182	3182	3182	-264.286	-55.653	-0.147	0.029	-0.522	198.153	1
3182_3183	3182	3183	220.271	60.33	0.147	-0.029	1.661	-471.579	1
3183_3183	3183	3183	-231.911	-60.437	-0.173	-0.026	-1.871	528.304	1
3183_3184	3183	3184	174.251	66.18	0.173	0.026	3.518	-899.164	1.02
3184_3184	3184	3184	283.385	126.82	0.054	-0.086	0.128	3757.759	1.02
3184_3185	3184	3185	-258.296	-118.093	-0.054	0.074	-0.808	-2633.64	1.03
3185_3185	3185	3185	255.785	119.397	0.054	-0.102	0.806	2633.644	1.03
3185_3186	3185	3186	-204.251	-111.037	-0.054	0.092	-1.483	-1629.54	1.04
3186_3186	3186	3186	201.062	95.097	-0.007	-0.07	1.477	1629.546	1.04
3186_3187	3186	3187	-131.455	-86.671	0.007	0.071	-1.391	-827.632	1.08
3187_3187	3187	3187	134.596	87.31	-0.005	-0.093	1.241	800.259	1.08
3187_3188	3187	3188	-48.217	-80.078	0.005	0.094	-1.176	-198.17	1.08
3188_3188	3188	3188	46.813	64.642	-0.05	-0.107	1.174	198.172	1.08
3188_3189	3188	3189	4.183	-59.535	0.05	0.108	-0.759	108.195	1
3189_3189	3189	3189	-5.104	59.832	-0.045	-0.09	0.688	-107.986	1
3189_3190	3189	3190	83.129	-51.264	0.045	0.09	-0.065	570.793	1
3190_3190	3190	3190	-83.135	38.885	-0.015	-0.072	0.065	-570.793	1
3190_3191	3190	3191	123.006	-32.025	0.015	0.072	0.095	807.284	1
3191_3191	3191	3191	-123.006	32.025	-0.015	-0.072	-0.095	-807.284	1
3191_3192	3191	3192	155.162	-25.166	0.015	0.072	0.255	998.022	1
3192_3192	3192	3192	-155.16	13.68	-0.01	-0.022	-0.255	-998.004	1
3192_3193	3192	3193	166.011	-7.401	0.01	0.022	0.359	1062.366	1
3193_3193	3193	3193	-166.011	7.401	-0.01	-0.022	-0.359	-1062.37	1
3193_3194	3193	3194	170.398	-1.121	0.01	0.022	0.463	1088.384	1
3194_3194	3194	3194	-170.394	-9.237	-0.013	0.034	-0.463	-1088.37	1

3194_3195	3194	3195	157.653	15.517	0.013	-0.034	0.598	1012.793	1
3195_3195	3195	3195	-157.653	-15.517	-0.013	0.034	-0.598	-1012.79	1
3195_3196	3195	3196	138.447	21.796	0.013	-0.034	0.733	898.873	1
3196_3196	3196	3196	-138.456	-33.252	0.02	0.057	-0.733	-898.86	1
3196_3197	3196	3197	97.247	40.105	-0.02	-0.057	0.508	654.432	1
3197_3197	3197	3197	-97.247	-40.105	0.021	0.098	-0.508	-654.431	1
3197_3198	3197	3198	48.291	46.965	-0.021	-0.098	0.273	364.044	1
3198_3198	3198	3198	-48.297	-59.534	0.044	0.096	-0.273	-364.042	1
3198_3199	3198	3199	-41.413	68.108	-0.044	-0.096	-0.334	-168.078	1.03
3199_3199	3199	3199	41.095	-67.951	0.046	0.136	0.354	160.723	1.03
3199_3200	3199	3200	-97.244	73.057	-0.046	-0.135	-0.737	-505.575	1.03
3200_3200	3200	3200	98.852	-88.782	-0.025	0.08	0.738	505.57	1.03
3200_3201	3200	3201	-189.375	95.946	0.025	-0.083	-0.443	-1167.4	1.03
3201_3201	3201	3201	178.815	-95.4	-0.039	0.153	0.685	1240.689	1.03
3201_3202	3201	3202	-246.456	104.429	0.039	-0.16	-0.167	-2140.23	1.02
3202_3202	3202	3202	249.956	-120.794	-0.085	0.106	0.167	2140.222	1.02
3202_3203	3202	3203	-298.396	129.722	0.085	-0.124	0.894	-3249.7	1.01
3203_3203	3203	3203	301.135	-128.177	-0.085	0.159	-0.891	3249.701	1.01
3203_3204	3203	3204	-323.075	137.516	0.085	-0.18	1.955	-4483.06	1.01
3204_3204	3204	3204	-176.593	73.607	0.275	0.059	-7.732	1193.901	1.01
3204_3205	3204	3205	237.765	-67.383	-0.275	-0.059	5.121	-776.298	1
3205_3205	3205	3205	-224.148	67.214	0.205	-0.098	-4.418	681.327	1
3205_3206	3205	3206	271.434	-62.149	-0.205	0.098	2.828	-369.119	1
3206_3206	3206	3206	-271.431	62.149	0.247	-0.047	-2.828	369.12	1
3206_3207	3206	3207	315.013	-57.085	-0.247	0.047	0.913	-81.363	1
3207_3207	3207	3207	-314.963	40.336	0.038	0.008	-0.913	81.395	1
3207_3208	3207	3208	343.43	-35.108	-0.038	-0.008	0.608	106.558	1
3208_3208	3208	3208	-343.43	35.108	0.038	0.008	-0.608	-106.558	1
3208_3209	3208	3209	367.923	-29.887	-0.038	-0.008	0.307	268.276	1
3209_3209	3209	3209	-367.923	29.887	0.079	-0.028	-0.307	-268.276	1
3209_3210	3209	3210	388.503	-24.659	-0.079	0.028	-0.324	404.162	1
3210_3210	3210	3210	-388.498	8.139	-0.019	0.033	0.324	-404.184	1
3210_3211	3210	3211	391.995	-4.218	0.019	-0.033	-0.21	427.273	1
3211_3211	3211	3211	-391.995	4.218	-0.019	0.033	0.21	-427.273	1
3211_3212	3211	3212	393.273	-0.297	0.019	-0.033	-0.096	435.71	1
3212_3212	3212	3212	-393.272	0.297	0.035	-0.045	0.096	-435.71	1
3212_3213	3212	3213	392.331	3.624	-0.035	0.045	-0.307	429.495	1
3213_3213	3213	3213	-392.331	-3.624	-0.019	0.032	0.307	-429.495	1
3213_3214	3213	3214	389.171	7.545	0.019	-0.032	-0.193	408.627	1
3214_3214	3214	3214	-389.171	-24.067	0.043	-0.006	0.193	-408.622	1
3214_3215	3214	3215	369.037	29.295	-0.043	0.006	-0.54	275.686	1
3215_3215	3215	3215	-369.038	-29.295	0.003	0.031	0.54	-275.686	1
3215_3216	3215	3216	344.958	34.523	-0.003	-0.031	-0.562	116.698	1
3216_3216	3216	3216	-344.958	-34.523	0.003	0.031	0.562	-116.698	1
3216_3217	3216	3217	316.933	39.751	-0.003	-0.031	-0.584	-68.337	1
3217_3217	3217	3217	-316.88	-56.452	-0.195	-0.04	0.584	68.34	1
3217_3218	3217	3218	273.76	61.516	0.195	0.04	0.926	-353.043	1
3218_3218	3218	3218	-273.757	-61.516	-0.237	-0.088	-0.926	353.042	1
3218_3219	3218	3219	226.934	66.581	0.237	0.088	2.762	-662.196	1
3219_3219	3219	3219	-235.176	-66.658	-0.104	0.222	-2.808	730.794	1
3219_3220	3219	3220	173.583	72.866	0.104	-0.222	3.797	-1138.97	1
3220_3220	3220	3220	328.64	141.424	0.06	-0.718	0.478	4405.843	1
3220_3221	3220	3221	-302.492	-132.136	-0.06	0.702	-1.225	-3153.07	1
3221_3221	3221	3221	299.7	133.758	0.055	0.664	1.113	3153.075	1
3221_3222	3221	3222	-245.227	-124.916	-0.055	-0.676	-1.8	-2024.36	1.01
3222_3222	3222	3222	241.673	108.752	0.129	-0.274	1.857	2024.283	1.01

3222_3223	3222	3223	-165.951	-99.818	-0.129	0.25	-3.569	-1101.22	1.01
3223_3223	3223	3223	174.823	100.373	0.079	0.222	2.3	1037.043	1.01
3223_3224	3223	3224	-76.436	-92.568	-0.079	-0.231	-3.227	-356.576	1.03
3224_3224	3224	3224	74.781	74.998	-0.087	0.017	3.232	356.577	1.03
3224_3225	3224	3225	-15.824	-69.41	0.087	-0.015	-2.511	-8.294	1
3225_3225	3225	3225	15.54	69.906	-0.097	-0.021	2.643	8.894	1
3225_3226	3225	3226	83.297	-58.954	0.097	0.021	-1.104	622.197	1
3226_3226	3226	3226	-83.307	43.799	-0.009	0.24	1.104	-622.153	1
3226_3227	3226	3227	129.498	-35.48	0.009	-0.24	-0.992	917.087	1
3227_3227	3227	3227	-129.499	35.48	-0.013	-0.219	0.992	-917.088	1
3227_3228	3227	3228	165.971	-27.166	0.013	0.219	-0.829	1149.969	1
3228_3228	3228	3228	-165.941	12.594	-0.013	0.371	0.829	-1149.76	1
3228_3229	3228	3229	175.766	-4.28	0.013	-0.371	-0.668	1212.496	1
3229_3229	3229	3229	-175.767	4.28	-0.017	-0.234	0.668	-1212.5	1
3229_3230	3229	3230	175.91	4.035	0.017	0.234	-0.458	1213.411	1
3230_3230	3230	3230	-175.911	-18.697	0.074	0.332	0.458	-1213.12	1
3230_3231	3230	3231	148.849	27.13	-0.074	-0.332	-1.368	1040.325	1
3231_3231	3231	3231	-148.845	-27.13	0.07	-0.184	1.368	-1040.33	1
3231_3232	3231	3232	111.852	35.556	-0.07	0.184	-2.227	804.121	1
3232_3232	3232	3232	-111.818	-51.885	0.064	0.083	2.227	-803.934	1
3232_3233	3232	3233	70.638	57.272	-0.064	-0.083	-2.728	540.99	1
3233_3233	3233	3233	-70.637	-57.272	0.063	0.043	2.728	-540.99	1
3233_3234	3233	3234	27.681	62.398	-0.063	-0.043	-3.2	266.706	1.03
3234_3234	3234	3234	-26.995	-62.334	0.095	-0.084	5.021	-267.368	1.03
3234_3235	3234	3235	-28.308	68.372	-0.095	0.087	-5.863	-89.665	1.03
3235_3235	3235	3235	29.537	-83.943	-0.11	-0.173	5.86	89.651	1.03
3235_3236	3235	3236	-74.573	87.868	0.11	0.167	-5.212	-403.799	1.03
3236_3236	3236	3236	75.354	-87.393	-0.112	-0.176	5.212	403.799	1.03
3236_3237	3236	3237	-113.337	91.138	0.112	0.169	-4.619	-701.869	1.03
3237_3237	3237	3237	103.077	-91.667	-0.184	-0.174	7.284	764.129	1.03
3237_3238	3237	3238	-155.83	99.09	0.184	0.15	-5.457	-1427.84	1.01
3238_3238	3238	3238	158.348	-111.413	-0.307	-0.79	5.418	1427.42	1.01
3238_3239	3238	3239	-206.066	119.294	0.307	0.737	-2.258	-2283.45	1.01
3239_3239	3239	3239	208.188	-118.013	-0.313	0.178	2.33	2283.445	1.01
3239_3240	3239	3240	-240.54	126.525	0.313	-0.244	1.045	-3264.46	1.01
3240_3240	3240	3240	243.968	-140.379	-0.559	0.442	-1.023	3263.689	1.01
3240_3241	3240	3241	-261.927	146.286	0.559	-0.529	5.137	-4058.7	1
3241_3241	3241	3241	-247.416	87.142	-0.206	-0.638	-1.952	971.752	1
3241_3242	3241	3242	312.9	-80.123	0.206	0.638	3.911	-439.466	1
3242_3242	3242	3242	-306.69	80.026	-0.004	-0.327	-3.526	409.475	1
3242_3243	3242	3243	356.421	-74.36	0.004	0.327	3.557	-15.944	1
3243_3243	3243	3243	-356.273	56.368	-0.159	0.079	-3.557	16.091	1
3243_3244	3243	3244	398.51	-49.34	0.159	-0.079	5.071	318.137	1
3244_3244	3244	3244	-398.512	49.34	-0.048	-0.045	-5.071	-318.138	1
3244_3245	3244	3245	437.191	-41.881	0.048	0.045	5.555	624.217	1
3245_3245	3245	3245	-437.072	28.075	-0.094	0.326	-5.555	-623.963	1
3245_3246	3245	3246	457.444	-20.734	0.094	-0.326	6.487	785.17	1
3246_3246	3246	3246	-457.444	20.734	0.111	-0.237	-6.487	-785.171	1
3246_3247	3246	3247	471.384	-13.59	-0.111	0.237	5.418	895.483	1
3247_3247	3247	3247	-471.224	-2.94	-0.144	0.313	-5.418	-895.237	1
3247_3248	3247	3248	466.342	9.721	0.144	-0.313	6.741	856.608	1
3248_3248	3248	3248	-466.344	-9.721	0.027	-0.201	-6.741	-856.609	1
3248_3249	3248	3249	454.458	17.423	-0.027	0.201	6.461	762.552	1
3249_3249	3249	3249	-454.339	-30.952	-0.139	0.15	-6.461	-762.371	1
3249_3250	3249	3250	424.534	38.5	0.139	-0.15	7.88	526.526	1
3250_3250	3250	3250	-424.536	-38.5	0.01	-0.125	-7.88	-526.526	1

3250_3251	3250	3251	391.404	45.443	-0.01	0.125	7.79	264.349	1
3251_3251	3251	3251	-391.552	-59.731	0.696	-0.041	-7.79	-264.311	1
3251_3252	3251	3252	347.235	65.934	-0.696	0.041	1.944	-86.38	1
3252_3252	3252	3252	-347.216	-65.934	0.865	0.01	-1.944	86.38	1
3252_3253	3252	3253	298.387	72.154	-0.865	-0.01	-5.345	-472.777	1
3253_3253	3253	3253	-298.587	-72.114	0.876	0.128	5.038	473.769	1
3253_3254	3253	3254	249.98	77.768	-0.876	-0.128	-11.752	-853.613	1
3254_3254	3254	3254	-249.747	-86.934	-0.302	-3.728	11.752	852.843	1
3254_3255	3254	3255	225.392	89.343	0.302	3.728	-10.767	-1043.17	1.01
3255_3255	3255	3255	264.87	134.181	-0.599	0.448	13.711	4009.162	1.01
3255_3256	3255	3256	-247.547	-125.776	0.599	-0.294	-7.573	-2997.21	1.01
3256_3256	3256	3256	243.784	128.102	-0.604	1.616	7.449	2997.212	1.01
3256_3257	3256	3257	-214.292	-121.713	0.604	-1.517	-2.51	-2250.43	1.02
3257_3257	3257	3257	211.677	112.13	-0.239	-0.215	2.635	2250	1.02
3257_3258	3257	3258	-167.679	-104.599	0.239	0.256	-0.27	-1484.58	1.03
3258_3258	3258	3258	166.051	105.615	-0.243	0.313	0.24	1484.582	1.03
3258_3259	3258	3259	-115.058	-99.206	0.243	-0.285	1.853	-872.804	1.05
3259_3259	3259	3259	127.513	98.383	-0.156	0.389	-1.178	799.372	1.05
3259_3260	3259	3260	-102.886	-96.158	0.156	-0.383	1.673	-606.074	1.05
3260_3260	3260	3260	100.547	74.402	0.309	-0.025	-1.653	604.318	1.05
3260_3261	3260	3261	-53.88	-68.73	-0.309	0.002	-0.666	-270.699	1.05
3261_3261	3261	3261	52.942	69.267	0.307	0.034	0.665	270.699	1.05
3261_3262	3261	3262	6.14	-62.113	-0.307	-0.046	-3.539	103.712	1
3262_3262	3262	3262	-7.538	62.079	0.224	-0.003	2.609	-97.756	1
3262_3263	3262	3263	53.302	-56.17	-0.224	0.003	-4.326	355.972	1
3263_3263	3263	3263	-53.239	39.259	-0.095	0.165	4.326	-355.93	1
3263_3264	3263	3264	92.988	-30.567	0.095	-0.165	-3.254	580.206	1
3264_3264	3264	3264	-92.992	30.567	-0.097	0.028	3.254	-580.209	1
3264_3265	3264	3265	123.978	-21.477	0.097	-0.028	-2.112	755.043	1
3265_3265	3265	3265	-123.983	5.138	-0.03	0.223	2.112	-755.012	1
3265_3266	3265	3266	124.754	3.825	0.03	-0.223	-1.763	759.36	1
3266_3266	3266	3266	-124.756	-3.825	-0.033	-0.043	1.763	-759.364	1
3266_3267	3266	3267	115.243	12.644	0.033	0.043	-1.389	705.687	1
3267_3267	3267	3267	-115.243	-28.662	0.033	0.137	1.389	-705.698	1
3267_3268	3267	3268	76.368	37.617	-0.033	-0.137	-1.769	486.349	1
3268_3268	3268	3268	-76.367	-37.617	0.031	0.011	1.769	-486.352	1
3268_3269	3268	3269	27.772	46.443	-0.031	-0.011	-2.121	212.162	1
3269_3269	3269	3269	-27.778	-63.816	-0.034	-0.059	2.121	-212.157	1
3269_3270	3269	3270	-56.735	73.231	0.034	0.059	-1.701	-264.691	1
3270_3270	3270	3270	56.733	-73.231	-0.037	0.034	1.701	264.692	1
3270_3271	3270	3271	-151.9	82.558	0.037	-0.034	-1.251	-801.659	1
3271_3271	3271	3271	151.926	-101.217	0.037	-0.528	1.251	801.745	1
3271_3272	3271	3272	-224.692	106.564	-0.037	0.528	-1.507	-1212.31	1.07
3272_3272	3272	3272	215.295	-106.1	0.047	-0.373	2.019	1319.795	1.07
3272_3273	3272	3273	-306.383	113.35	-0.047	0.374	-2.464	-1972.56	1.07
3273_3273	3273	3273	308.031	-111.386	0.044	0.248	2.477	1972.559	1.07
3273_3274	3273	3274	-374.641	117.748	-0.044	-0.244	-2.841	-2591.65	1.04
3274_3274	3274	3274	375.979	-131.415	-0.737	-0.838	2.803	2591.946	1.04
3274_3275	3274	3275	-394.91	133.233	0.737	0.817	-1.089	-2797.8	1.04
3275_3275	3275	3275	355.474	-134.338	-1.165	-1.397	1.708	3049.178	1.04
3275_3276	3275	3276	-404.871	141.468	1.165	1.266	8.385	-3921.22	1.03
3276_3276	3276	3276	406.934	-139.702	-1.169	0.953	-8.282	3921.237	1.03
3276_3277	3276	3277	-437.465	147.162	1.169	-1.119	18.461	-4861.21	1.03
3277_3277	3277	3277	440.983	-157.007	0.835	-3.165	-18.794	4861.875	1.03
3277_3278	3277	3278	-462.788	166.511	-0.835	3.333	10.083	-6158.04	1.03
3278_3278	3278	3278	467.235	-163.555	0.832	-0.569	-9.926	6158.082	1.03

3278_3279	3278	3279	-464	172.84	-0.832	0.756	1.915	-7446.67	1.02
3279_3279	3279	3279	-257.458	122.796	0.381	6.864	3.952	2160.482	1.02
3279_3280	3279	3280	299.649	-119.483	-0.381	-6.864	-5.524	-1825.87	1
3280_3280	3280	3280	-299.711	91.834	-1.428	-1.131	5.524	1826.197	1
3280_3281	3280	3281	347.022	-86.795	1.428	1.131	3.435	-1450.98	1
3281_3281	3281	3281	-322.115	86.655	-1.081	-0.109	-3.078	1360.85	1
3281_3282	3281	3282	391.157	-78.914	1.081	0.109	13.515	-837.853	1
3282_3282	3282	3282	-391.181	78.914	-0.897	0.301	-13.515	837.851	1
3282_3283	3282	3283	445.753	-72.21	0.897	-0.301	21.013	-424.46	1
3283_3283	3283	3283	-518.186	57.07	1.99	-0.349	-63.797	762.958	1
3283_3284	3283	3284	563.805	-50.242	-1.99	0.349	39.197	-282.074	1
3284_3284	3284	3284	-563.776	50.242	2.715	-0.053	-39.197	282.077	1
3284_3285	3284	3285	602.276	-43.657	-2.715	0.053	6.817	123.774	1
3285_3285	3285	3285	-602.367	14.482	-1.175	0.11	-6.817	-123.78	1
3285_3286	3285	3286	611.496	-7.943	1.175	-0.11	20.731	220.013	1
3286_3286	3286	3286	-611.506	7.943	-0.367	-0.146	-20.731	-220.012	1
3286_3287	3286	3287	615.135	-2.191	0.367	0.146	24.55	258.269	1
3287_3287	3287	3287	-615.178	-15.704	0.962	-0.092	-24.55	-258.26	1
3287_3288	3287	3288	600.557	21.942	-0.962	0.092	13.683	104.133	1
3288_3288	3288	3288	-600.543	-21.942	1.602	-0.188	-13.683	-104.131	1
3288_3289	3288	3289	581.77	27.982	-1.602	0.188	-3.841	-93.759	1
3289_3289	3289	3289	-581.858	-53.184	-0.74	-0.476	3.841	93.779	1
3289_3290	3289	3290	549.937	57.803	0.74	0.476	2.351	-430.271	1
3290_3290	3290	3290	-549.941	-57.803	-0.329	-0.221	-2.351	430.274	1
3290_3291	3290	3291	517.53	62.143	0.329	0.221	4.941	-771.928	1
3291_3291	3291	3291	-535.229	-62.221	0.048	0.216	-5.034	811.241	1
3291_3292	3291	3292	501.074	66.58	-0.048	-0.216	4.653	-1185.22	1
3292_3292	3292	3292	-501.083	-89.286	0.18	0.669	-4.653	1185.244	1
3292_3293	3292	3293	485.884	90.674	-0.18	-0.669	4.2	-1351.66	1.02
3293_3293	3293	3293	289.534	225.965	0.645	-4.082	-6.941	6267.732	1.02
3293_3294	3293	3294	-263.115	-220.418	-0.645	4.003	1.485	-4746.69	1.02
3294_3294	3294	3294	256.473	222.11	0.64	1.744	-2.177	4746.7	1.02
3294_3295	3294	3295	-199.357	-216	-0.64	-1.815	-4.101	-3066.61	1.03
3295_3295	3295	3295	193.284	192.295	-0.418	-1.435	4.361	3066.782	1.03
3295_3296	3295	3296	-113.861	-185.8	0.418	1.474	0.196	-1492.79	1.05
3296_3296	3296	3296	110.098	186.432	-0.423	0.261	-0.304	1492.799	1.05
3296_3297	3296	3297	-34.432	-181.65	0.423	-0.242	3.801	-352.046	1.14
3297_3297	3297	3297	35.619	180.436	-0.287	0.387	-2.564	326.354	1.14
3297_3298	3297	3298	13.663	-178.031	0.287	-0.383	3.803	209.942	1
3298_3298	3298	3298	-15.719	149.668	0.099	0.286	-3.795	-209.926	1
3298_3299	3298	3299	94.466	-144.974	-0.099	-0.287	2.98	1049.207	1
3299_3299	3299	3299	-94.924	144.92	0.097	-0.116	-2.979	-1049.21	1
3299_3300	3299	3300	163.878	-140.678	-0.097	0.116	2.254	1785.758	1
3300_3300	3300	3300	-140.583	141.802	0.147	-1.264	-3.45	-1917.15	1
3300_3301	3300	3301	195.599	-137.724	-0.147	1.264	2.407	2649.076	1
3301_3301	3301	3301	-195.612	110.586	-0.025	2.027	-2.407	-2649.19	1
3301_3302	3301	3302	267.298	-103.653	0.025	-2.027	2.708	3602.9	1
3302_3302	3302	3302	-267.299	103.653	-0.029	-1.982	-2.708	-3602.9	1
3302_3303	3302	3303	334.95	-96.655	0.029	1.982	3.064	4502.929	1
3303_3303	3303	3303	-334.964	69.921	0.065	2.489	-3.064	-4503.13	1
3303_3304	3303	3304	382.044	-62.557	-0.065	-2.489	2.234	5129.477	1
3304_3304	3304	3304	-382.043	62.557	0.061	-2.041	-2.234	-5129.48	1
3304_3305	3304	3305	419.616	-55.99	-0.061	2.041	1.534	5629.339	1
3305_3305	3305	3305	-419.632	31.187	0.088	3.591	-1.534	-5629.57	1
3305_3306	3305	3306	439.708	-23.593	-0.088	-3.591	0.371	5896.667	1
3306_3306	3306	3306	-439.708	23.593	0.084	-2.801	-0.371	-5896.67	1

3306_3307	3306	3307	452.2	-17.256	-0.084	2.801	-0.553	6062.874	1
3307_3307	3307	3307	-452.219	-6.317	0.186	3.748	0.553	-6063.17	1
3307_3308	3307	3308	445.311	13.529	-0.186	-3.748	-2.886	5971.261	1
3308_3308	3308	3308	-445.31	-13.529	0.182	-2.099	2.886	-5971.27	1
3308_3309	3308	3309	434.364	20.245	-0.182	2.099	-5.014	5825.645	1
3309_3309	3309	3309	-434.372	-43.964	0.207	3.531	5.014	-5825.81	1
3309_3310	3309	3310	403.235	50.774	-0.207	-3.531	-7.473	5411.558	1
3310_3310	3310	3310	-403.234	-50.774	0.204	-1.098	7.473	-5411.57	1
3310_3311	3310	3311	365.875	57.898	-0.204	1.098	-10.003	4914.539	1
3311_3311	3311	3311	-365.88	-79.325	0.544	3.047	10.003	-4914.74	1
3311_3312	3311	3312	310.349	86.273	-0.544	-3.047	-16.59	4175.96	1
3312_3312	3312	3312	-310.344	-86.273	0.54	-0.783	16.59	-4175.97	1
3312_3313	3312	3313	249.887	93.251	-0.54	0.783	-23.161	3371.658	1
3313_3313	3313	3313	-249.921	-124.855	-0.483	2.258	23.161	-3371.79	1
3313_3314	3313	3314	159.446	132.149	0.483	-2.258	-17.022	2168.123	1
3314_3314	3314	3314	-159.453	-132.149	-0.487	-0.107	17.022	-2168.14	1
3314_3315	3314	3315	64.303	139.409	0.487	0.107	-10.857	902.274	1
3315_3315	3315	3315	-64.239	-149.582	-1.327	0.486	10.857	-902.362	1
3315_3316	3315	3316	-4.626	154.278	1.327	-0.486	0	-13.81	1
3400_3020	3400	3020	640.416	-76.902	-22.97	-0.243	67.503	-1229.11	1.02
3400_3401	3400	3401	-640.416	76.902	22.97	0.243	26.605	914.049	1
3401_3401	3401	3401	639.68	-73.303	1.936	0.659	-24.65	-914.069	1
3401_3402	3401	3402	-639.68	73.303	-1.936	-0.659	17.898	658.429	1
3402_3402	3402	3402	641.258	-57.933	0.813	-0.097	-18.224	-658.42	1
3402_3403	3402	3403	-641.258	57.933	-0.813	0.097	9.352	25.88	1
3403_3403	3403	3403	637.139	-37.675	0.788	-0.075	-8.925	-25.88	1
3403_3404	3403	3404	-637.139	37.675	-0.788	0.075	3.246	-245.532	1
3404_3404	3404	3404	637.834	-23.119	0.282	0.196	-3.178	245.533	1
3404_3405	3404	3405	-637.834	23.119	-0.282	-0.196	1.14	-412.381	1
3405_3405	3405	3405	635.514	-0.439	0.337	0.007	-1.295	412.381	1
3405_3406	3405	3406	-635.514	0.439	-0.337	-0.007	-3.566	-418.705	1
3406_3406	3406	3406	634.254	22.258	-0.608	-0.193	3.502	418.709	1
3406_3407	3406	3407	-634.254	-22.258	0.608	0.193	1.885	-221.601	1
3407_3407	3407	3407	633.671	35.111	-1.825	0.26	-1.698	221.602	1
3407_3408	3407	3408	-633.671	-35.111	1.825	-0.26	11.85	-26.324	1
3408_3408	3408	3408	628.424	-97.752	3.845	0.055	-12.705	26.296	1
3408_3409	3408	3409	-628.424	97.752	-3.845	-0.055	1.1	-321.347	1
3409_3409	3409	3409	627.758	95.444	1.717	0.066	-1.127	321.277	1
3409_3410	3409	3410	-627.758	-95.444	-1.717	-0.066	-4.071	-32.359	1
3410_3410	3410	3410	635.059	-38.236	0.783	-0.315	3.298	32.362	1
3410_3411	3410	3411	-635.059	38.236	-0.783	0.315	-7.644	-244.711	1
3411_3411	3411	3411	635.729	-24.699	-0.806	0.123	7.375	244.719	1
3411_3412	3411	3412	-635.729	24.699	0.806	-0.123	-0.232	-463.621	1
3412_3412	3412	3412	639.607	-2.129	0.049	-0.067	-0.286	463.623	1
3412_3413	3412	3413	-639.607	2.129	-0.049	0.067	-0.423	-494.307	1
3413_3413	3413	3413	644.297	20.507	0.592	-0.421	-0.238	494.312	1
3413_3414	3413	3414	-644.297	-20.507	-0.592	0.421	-4.034	-346.391	1
3414_3414	3414	3414	643.648	35.441	-0.706	0.197	3.79	346.394	1
3414_3415	3414	3415	-643.648	-35.441	0.706	-0.197	1.298	-90.942	1
3415_3415	3415	3415	649.408	55.967	0.605	-0.047	-1.891	90.946	1
3415_3416	3415	3416	-649.408	-55.967	-0.605	0.047	-4.716	520.124	1
3416_3416	3416	3416	647.899	71.34	0.391	-0.335	4.76	-520.123	1
3416_3417	3416	3417	-647.899	-71.34	-0.391	0.335	-6.124	768.638	1
3417_3417	3417	3417	648.8	75.538	9.325	0.001	5.841	-768.65	1
3417_3036	3417	3036	-648.8	-75.538	-9.325	-0.001	-44.091	1078.489	1.01
3420_3056	3420	3056	542.664	-70.135	-19.376	-0.169	72.261	-1208.49	1.01

3420_3421	3420	3421	-542.664	70.135	19.376	0.169	7.063	921.359	1
3421_3421	3421	3421	541.888	-67.086	0.361	0.3	-6.025	-921.359	1
3421_3422	3421	3422	-541.888	67.086	-0.361	-0.3	4.765	687.495	1
3422_3422	3422	3422	543.328	-54.208	0.072	0.036	-4.867	-687.495	1
3422_3423	3422	3423	-543.328	54.208	-0.072	-0.036	4.083	95.309	1
3423_3423	3423	3423	538.918	-36.878	0.552	0.005	-3.862	-95.31	1
3423_3424	3423	3424	-538.918	36.878	-0.552	-0.005	-0.118	-170.306	1
3424_3424	3424	3424	539.62	-24.568	0.016	0.175	0.178	170.306	1
3424_3425	3424	3425	-539.62	24.568	-0.016	-0.175	-0.294	-347.582	1
3425_3425	3425	3425	537.065	-5.541	0.12	0.051	0.266	347.583	1
3425_3426	3425	3426	-537.065	5.541	-0.12	-0.051	-1.992	-427.463	1
3426_3426	3426	3426	535.444	13.817	-0.337	-0.055	2.023	427.466	1
3426_3427	3426	3427	-535.444	-13.817	0.337	0.055	0.957	-305.171	1
3427_3427	3427	3427	535.05	24.739	-0.686	0.16	-0.869	305.172	1
3427_3428	3427	3428	-535.05	-24.739	0.686	-0.16	4.679	-167.684	1
3428_3428	3428	3428	529.124	-87.864	-0.428	-0.291	-4.686	167.687	1
3428_3429	3428	3429	-529.124	87.864	0.428	0.291	5.981	-433.766	1
3429_3429	3429	3429	529.379	88.21	0.878	0.372	-6.001	434.148	1
3429_3430	3429	3430	-529.379	-88.21	-0.878	-0.372	3.351	-167.827	1
3430_3430	3430	3430	536.302	-24.221	-0.056	0.212	-3.513	167.822	1
3430_3431	3430	3431	-536.302	24.221	0.056	-0.212	3.821	-302.417	1
3431_3431	3431	3431	536.691	-13.022	0.627	-0.088	-3.651	302.419	1
3431_3432	3431	3432	-536.691	13.022	-0.627	0.088	-1.904	-417.79	1
3432_3432	3432	3432	539.313	6.132	-0.041	0.002	1.613	417.796	1
3432_3433	3432	3433	-539.313	-6.132	0.041	-0.002	-1.016	-329.42	1
3433_3433	3433	3433	542.777	25.22	-0.371	0.011	0.863	329.43	1
3433_3434	3433	3434	-542.777	-25.22	0.371	-0.011	1.813	-147.526	1
3434_3434	3434	3434	542.044	37.838	0.146	-0.091	-1.765	147.527	1
3434_3435	3434	3435	-542.044	-37.838	-0.146	0.091	0.71	125.252	1
3435_3435	3435	3435	547.142	55.081	-0.873	0.204	-0.904	-125.263	1
3435_3436	3435	3436	-547.142	-55.081	0.873	-0.204	10.438	726.647	1
3436_3436	3436	3436	545.63	68.44	-1.857	-0.896	-10.069	-726.652	1
3436_3437	3436	3437	-545.63	-68.44	1.857	0.896	16.557	965.73	1
3437_3437	3437	3437	546.833	70.775	13.735	0.027	-17.674	-965.768	1
3437_3072	3437	3072	-546.833	-70.775	-13.735	-0.027	-38.515	1255.306	1.01
3440_3094	3440	3094	586.468	-65.995	-18.102	-0.142	59.432	-951.356	1
3440_3441	3440	3441	-586.468	65.995	18.102	0.142	14.724	681.008	1
3441_3441	3441	3441	585.302	-62.936	0.887	-0.078	-13.084	-681.02	1
3441_3442	3441	3442	-585.302	62.936	-0.887	0.078	9.988	461.403	1
3442_3442	3442	3442	586.656	-48.729	0.851	0.135	-9.996	-461.403	1
3442_3443	3442	3443	-586.656	48.729	-0.851	-0.135	0.704	-70.483	1
3443_3443	3443	3443	582.212	-30.371	-0.005	0.094	-0.202	70.483	1
3443_3444	3443	3444	-582.212	30.371	0.005	-0.094	0.235	-289.444	1
3444_3444	3444	3444	582.761	-16.835	0.106	0.044	-0.252	289.444	1
3444_3445	3444	3445	-582.761	16.835	-0.106	-0.044	-0.515	-410.888	1
3445_3445	3445	3445	580.01	3.707	0.028	0.02	0.896	410.885	1
3445_3446	3445	3446	-580.01	-3.707	-0.028	-0.02	-1.304	-357.45	1
3446_3446	3446	3446	577.992	24.428	0.077	0.067	1.759	357.452	1
3446_3447	3446	3447	-577.992	-24.428	-0.077	-0.067	-2.442	-141.113	1
3447_3447	3447	3447	577.367	36.3	0.677	-0.126	2.377	141.114	1
3447_3448	3447	3448	-577.367	-36.3	-0.677	0.126	-6.141	60.675	1
3448_3448	3448	3448	572.931	-85.203	-2.812	1.23	6.766	-60.683	1
3448_3449	3448	3449	-572.931	85.203	2.812	-1.23	1.736	-196.948	1
3449_3449	3449	3449	572.93	84.539	2.706	-1.246	-1.732	197.007	1
3449_3450	3449	3450	-572.93	-84.539	-2.706	1.246	-6.427	57.862	1
3450_3450	3450	3450	577.782	-36.544	-0.457	0.062	5.826	-57.856	1

3450_3451	3450	3451	-577.782	36.544	0.457	-0.062	-3.286	-145.32	1
3451_3451	3451	3451	578.411	-24.656	-0.275	-0.051	3.306	145.32	1
3451_3452	3451	3452	-578.411	24.656	0.275	0.051	-0.869	-363.725	1
3452_3452	3452	3452	581.057	-3.971	0.019	-0.035	0.526	363.726	1
3452_3453	3452	3453	-581.057	3.971	-0.019	0.035	-0.8	-420.963	1
3453_3453	3453	3453	584.33	16.569	-0.008	-0.109	0.371	420.965	1
3453_3454	3453	3454	-584.33	-16.569	0.008	0.109	-0.313	-301.438	1
3454_3454	3454	3454	583.787	30.141	-0.125	-0.054	0.29	301.438	1
3454_3455	3454	3455	-583.787	-30.141	0.125	0.054	0.611	-84.129	1
3455_3455	3455	3455	588.621	48.538	-0.182	-0.014	-1.1	84.118	1
3455_3456	3455	3456	-588.621	-48.538	0.182	0.014	3.087	445.658	1
3456_3456	3456	3456	587.271	62.789	-0.728	-0.366	-2.972	-445.658	1
3456_3457	3456	3457	-587.271	-62.789	0.728	0.366	5.514	664.746	1
3457_3457	3457	3457	588.601	65.806	15.754	0.122	-6.813	-664.743	1
3457_3110	3457	3110	-588.601	-65.806	-15.754	-0.122	-57.717	934.298	1.01
3460_3132	3460	3132	538.406	-90.496	-22.299	-0.222	100.127	-1317.67	1.03
3460_3461	3460	3461	-538.406	90.496	22.299	0.222	9.182	874.066	1
3461_3461	3461	3461	540.686	-64.79	-0.587	-0.527	-6.78	-874.068	1
3461_3462	3461	3462	-540.686	64.79	0.587	0.527	8.827	648.074	1
3462_3462	3462	3462	542.085	-51.799	-0.104	0.279	-8.663	-648.077	1
3462_3463	3462	3463	-542.085	51.799	0.104	-0.279	9.801	82.414	1
3463_3463	3463	3463	539.945	-35.952	0.574	0.027	-8.762	-82.46	1
3463_3464	3463	3464	-539.945	35.952	-0.574	-0.027	4.628	-176.669	1
3464_3464	3464	3464	540.635	-23.393	0.627	0.117	-4.633	176.669	1
3464_3465	3464	3465	-540.635	23.393	-0.627	-0.117	0.108	-345.374	1
3465_3465	3465	3465	541.091	-5.354	0.075	0.01	-0.497	345.381	1
3465_3466	3465	3466	-541.091	5.354	-0.075	-0.01	-0.577	-422.53	1
3466_3466	3466	3466	542.728	12.844	0.042	-0.036	0.255	422.522	1
3466_3467	3466	3467	-542.728	-12.844	-0.042	0.036	-0.628	-308.788	1
3467_3467	3467	3467	542.349	24.002	-0.043	-0.002	0.649	308.788	1
3467_3468	3467	3468	-542.349	-24.002	0.043	0.002	-0.412	-175.386	1
3468_3468	3468	3468	539.513	-92.166	1.234	-0.023	0.196	175.387	1
3468_3469	3468	3469	-539.513	92.166	-1.234	0.023	-3.928	-454.037	1
3469_3469	3469	3469	541.342	92.496	0.052	-0.014	-3.182	459.45	1
3469_3470	3469	3470	-541.342	-92.496	-0.052	0.014	3.024	-179.816	1
3470_3470	3470	3470	544.668	-24.037	0.195	-0.01	-2.755	179.832	1
3470_3471	3470	3471	-544.668	24.037	-0.195	0.01	1.673	-313.431	1
3471_3471	3471	3471	545.047	-12.832	0.28	-0.023	-1.652	313.431	1
3471_3472	3471	3472	-545.047	12.832	-0.28	0.023	-0.824	-427.058	1
3472_3472	3472	3472	544.269	5.809	-0.052	-0.046	0.894	427.058	1
3472_3473	3472	3473	-544.269	-5.809	0.052	0.046	-0.149	-343.3	1
3473_3473	3473	3473	544.794	24.457	-0.097	-0.109	-0.096	343.3	1
3473_3474	3473	3474	-544.794	-24.457	0.097	0.109	0.793	-166.915	1
3474_3474	3474	3474	544.079	37.112	-0.156	-0.072	-0.801	166.915	1
3474_3475	3474	3475	-544.079	-37.112	0.156	0.072	1.929	100.583	1
3475_3475	3475	3475	546.455	54.272	0.053	-0.505	-2.511	-100.588	1
3475_3476	3475	3476	-546.455	-54.272	-0.053	0.505	1.93	693.328	1
3476_3476	3476	3476	544.993	67.372	1.345	1.24	-2.396	-693.326	1
3476_3477	3476	3477	-544.993	-67.372	-1.345	-1.24	-2.295	928.362	1
3477_3477	3477	3477	545.732	70.231	17.716	0.251	1.742	-928.342	1
3477_3148	3477	3148	-545.732	-70.231	-17.716	-0.251	-74.291	1215.949	1
3480_3168	3480	3168	547.901	-76.508	-16.053	-0.177	60.841	-1442.77	1
3480_3481	3480	3481	-547.901	76.508	16.053	0.177	4.901	1129.448	1
3481_3481	3481	3481	546.856	-73.547	-0.374	-0.885	-4.584	-1129.41	1
3481_3482	3481	3482	-546.856	73.547	0.374	0.885	5.889	872.844	1
3482_3482	3482	3482	548.462	-60.41	0.331	0.417	-5.569	-872.847	1

3482_3483	3482	3483	-548.462	60.41	-0.331	-0.417	1.954	213.066	1
3483_3483	3483	3483	547.075	-43.164	0.075	0.083	-1.734	-213.078	1
3483_3484	3483	3484	-547.075	43.164	-0.075	-0.083	1.195	-98.041	1
3484_3484	3484	3484	547.944	-30.185	0.147	0.098	-1.197	98.041	1
3484_3485	3484	3485	-547.944	30.185	-0.147	-0.098	0.141	-315.447	1
3485_3485	3485	3485	548.812	-11.67	0.077	0.035	-0.244	315.44	1
3485_3486	3485	3486	-548.812	11.67	-0.077	-0.035	-0.861	-483.719	1
3486_3486	3486	3486	551.259	7.069	-0.317	-0.049	0.42	483.714	1
3486_3487	3486	3487	-551.259	-7.069	0.317	0.049	2.387	-421.12	1
3487_3487	3487	3487	550.997	18.403	-0.402	0.064	-2.357	421.12	1
3487_3488	3487	3488	-550.997	-18.403	0.402	-0.064	4.595	-318.835	1
3488_3488	3488	3488	547.691	-99.669	1.003	-0.876	-5.137	318.837	1
3488_3489	3488	3489	-547.691	99.669	-1.003	0.876	2.103	-620.169	1
3489_3489	3489	3489	550.135	100.397	-0.01	0.814	-5.054	627.226	1
3489_3490	3489	3490	-550.135	-100.397	0.01	-0.814	5.084	-323.69	1
3490_3490	3490	3490	553.826	-18.212	0.406	-0.017	-4.816	323.684	1
3490_3491	3490	3491	-553.826	18.212	-0.406	0.017	2.558	-424.909	1
3491_3491	3491	3491	554.083	-6.82	0.492	-0.03	-2.53	424.909	1
3491_3492	3491	3492	-554.083	6.82	-0.492	0.03	-1.829	-485.299	1
3492_3492	3492	3492	552.082	12.055	-0.18	-0.071	2.133	485.296	1
3492_3493	3492	3493	-552.082	-12.055	0.18	0.071	0.466	-311.466	1
3493_3493	3493	3493	551.671	30.912	-0.226	-0.141	-0.259	311.47	1
3493_3494	3493	3494	-551.671	-30.912	0.226	0.141	1.891	-88.535	1
3494_3494	3494	3494	550.823	43.487	-0.275	-0.09	-1.897	88.535	1
3494_3495	3494	3495	-550.823	-43.487	0.275	0.09	3.873	224.5	1
3495_3495	3495	3495	552.75	61.1	0.378	0.19	-4.273	-224.489	1
3495_3496	3495	3496	-552.75	-61.1	-0.378	-0.19	0.145	891.803	1
3496_3496	3496	3496	551.125	74.339	-0.333	-0.999	0.178	-891.803	1
3496_3497	3496	3497	-551.125	-74.339	0.333	0.999	0.982	1151.133	1
3497_3497	3497	3497	551.567	77.49	17.953	0.294	-1.893	-1151.11	1
3497_3184	3497	3184	-551.567	-77.49	-17.953	-0.294	-71.625	1468.438	1.02
3500_3204	3500	3204	611.994	-81.285	-22.477	-0.453	86.592	-1445.84	1.01
3500_3501	3500	3501	-611.994	81.285	22.477	0.453	5.455	1112.97	1
3501_3501	3501	3501	611.071	-78.084	0.562	1.123	-3.35	-1112.99	1
3501_3502	3501	3502	-611.071	78.084	-0.562	-1.123	1.389	840.587	1
3502_3502	3502	3502	612.769	-63.398	-0.34	-0.121	-1.736	-840.587	1
3502_3503	3502	3503	-612.769	63.398	0.34	0.121	5.451	148.17	1
3503_3503	3503	3503	608.091	-44.037	0.531	0.05	-4.655	-148.166	1
3503_3504	3503	3504	-608.091	44.037	-0.531	-0.05	0.83	-169.242	1
3504_3504	3504	3504	608.951	-29.888	-0.232	0.285	-0.752	169.242	1
3504_3505	3504	3505	-608.951	29.888	0.232	-0.285	2.428	-384.787	1
3505_3505	3505	3505	605.829	-8.393	0.079	0.091	-2.198	384.792	1
3505_3506	3505	3506	-605.829	8.393	-0.079	-0.091	1.061	-505.729	1
3506_3506	3506	3506	603.665	13.235	0.735	0.056	-0.784	505.725	1
3506_3507	3506	3507	-603.665	-13.235	-0.735	-0.056	-5.728	-388.531	1
3507_3507	3507	3507	603.265	25.646	0.641	-0.003	5.755	388.531	1
3507_3508	3507	3508	-603.265	-25.646	-0.641	0.003	-9.319	-245.992	1
3508_3508	3508	3508	595.125	-100.778	-0.871	1.081	9.853	245.988	1
3508_3509	3508	3509	-595.125	100.778	0.871	-1.081	-7.219	-550.676	1
3509_3509	3509	3509	595.15	100.943	-2.035	-1.244	7.256	550.583	1
3509_3510	3509	3510	-595.15	-100.943	2.035	1.244	-1.103	-245.414	1
3510_3510	3510	3510	603.575	-25.554	-0.081	0	1.464	245.44	1
3510_3511	3510	3511	-603.575	25.554	0.081	0	-1.012	-387.472	1
3511_3511	3511	3511	603.972	-13.137	0.013	-0.081	1.038	387.472	1
3511_3512	3511	3512	-603.972	13.137	-0.013	0.081	-1.151	-503.803	1
3512_3512	3512	3512	606.494	8.631	-0.059	-0.104	1.268	503.809	1

3512_3513	3512	3513	-606.494	-8.631	0.059	0.104	-0.423	-379.354	1
3513_3513	3513	3513	609.922	29.95	-0.367	-0.167	0.284	379.352	1
3513_3514	3513	3514	-609.922	-29.95	0.367	0.167	2.359	-163.353	1
3514_3514	3514	3514	609.061	44.117	-0.433	-0.094	-2.368	163.353	1
3514_3515	3514	3515	-609.061	-44.117	0.433	0.094	5.491	154.636	1
3515_3515	3515	3515	614.036	63.563	0.758	0.042	-5.981	-154.636	1
3515_3516	3515	3516	-614.036	-63.563	-0.758	-0.042	-2.297	848.84	1
3516_3516	3516	3516	612.335	78.274	0.512	-0.366	2.392	-848.84	1
3516_3517	3516	3517	-612.335	-78.274	-0.512	0.366	-4.178	1121.896	1
3517_3517	3517	3517	612.53	81.026	16.427	0.294	4.893	-1121.8	1
3517_3220	3517	3220	-612.53	-81.026	-16.427	-0.294	-72.001	1452.804	1
3520_3241	3520	3241	622.227	-98.172	-3.011	0.47	-32.329	-2012.54	1
3520_3521	3520	3521	-622.227	98.172	3.011	-0.47	44.65	1610.871	1
3521_3521	3521	3521	620.144	-94.644	4.945	2.542	-44.93	-1609.9	1
3521_3522	3521	3522	-620.144	94.644	-4.945	-2.542	27.703	1280.139	1
3522_3522	3522	3522	622.222	-79.925	3.446	-0.007	-28.573	-1280.12	1
3522_3523	3522	3523	-622.222	79.925	-3.446	0.007	-9.057	407.299	1
3523_3523	3523	3523	619.413	-58.322	0.266	0.305	7.924	-407.028	1
3523_3524	3523	3524	-619.413	58.322	-0.266	-0.305	-9.845	-13.524	1
3524_3524	3524	3524	620.616	-43.672	-1.733	0.117	9.865	13.512	1
3524_3525	3524	3525	-620.616	43.672	1.733	-0.117	2.625	-328.254	1
3525_3525	3525	3525	617.052	-20.74	-0.245	-0.075	-3.079	328.029	1
3525_3526	3525	3526	-617.052	20.74	0.245	0.075	6.607	-627.098	1
3526_3526	3526	3526	613.503	2	0.849	-0.761	-6.386	626.444	1
3526_3527	3526	3527	-613.503	-2	-0.849	0.761	-1.13	-608.737	1
3527_3527	3527	3527	613.325	14.917	-0.668	0.704	1.798	608.735	1
3527_3528	3527	3528	-613.325	-14.917	0.668	-0.704	1.913	-525.91	1
3528_3528	3528	3528	600.986	-113.634	0.179	-0.873	-1.947	525.771	1
3528_3529	3528	3529	-600.986	113.634	-0.179	0.873	1.405	-870.188	1
3529_3529	3529	3529	600.739	111.841	-1.7	0.116	-1.236	870.122	1
3529_3530	3529	3530	-600.739	-111.841	1.7	-0.116	6.375	-532.146	1
3530_3530	3530	3530	610.497	-15.845	2.671	-1.239	-5.953	532.195	1
3530_3531	3530	3531	-610.497	15.845	-2.671	1.239	-8.88	-620.184	1
3531_3531	3531	3531	610.7	-2.898	1.158	0.106	8.185	620.195	1
3531_3532	3531	3532	-610.7	2.898	-1.158	-0.106	-18.447	-645.875	1
3532_3532	3532	3532	612.514	18.491	-0.144	-0.419	17.567	645.503	1
3532_3533	3532	3533	-612.514	-18.491	0.144	0.419	-15.487	-378.964	1
3533_3533	3533	3533	614.712	39.44	-0.499	-0.177	15.008	378.904	1
3533_3534	3533	3534	-614.712	-39.44	0.499	0.177	-11.409	-94.658	1
3534_3534	3534	3534	613.603	54.008	-0.892	-0.385	11.382	94.661	1
3534_3535	3534	3535	-613.603	-54.008	0.892	0.385	-4.947	294.894	1
3535_3535	3535	3535	614.839	73.203	3.585	1.478	5.474	-294.32	1
3535_3536	3535	3536	-614.839	-73.203	-3.585	-1.478	-44.595	1093.25	1
3536_3536	3536	3536	612.866	88.274	1.239	-3.968	45.779	-1093.2	1
3536_3537	3536	3537	-612.866	-88.274	-1.239	3.968	-50.107	1401.548	1
3537_3537	3537	3537	606.42	131.487	-3.265	-0.823	51.808	-1400.34	1
3537_3255	3537	3255	-606.42	-131.487	3.265	0.823	-33.901	2121.423	1.01
3540_3279	3540	3279	877.861	-143.729	5.245	6.607	-67.706	-1804.85	1.02
3540_3541	3540	3541	-877.861	143.729	-5.245	-6.607	41.613	1089.819	1
3541_3541	3541	3541	883.382	-98.644	4.821	0.926	-41.737	-1092.68	1
3541_3542	3541	3542	-883.382	98.644	-4.821	-0.926	24.944	749.052	1
3542_3542	3542	3542	885.466	-77.816	3.492	0.359	-25.253	-749.042	1
3542_3543	3542	3543	-885.466	77.816	-3.492	-0.359	-12.898	-101.024	1
3543_3543	3543	3543	884.665	-49.506	-0.74	-0.343	11.466	100.56	1
3543_3544	3543	3544	-884.665	49.506	0.74	0.343	-6.136	-457.216	1
3544_3544	3544	3544	885.575	-28.951	-1.76	0.047	6.314	457.214	1

3544_3545	3544	3545	-885.575	28.951	1.76	-0.047	6.371	-665.931	1
3545_3545	3545	3545	880.16	1.061	-0.255	-0.351	-6.42	664.614	1
3545_3546	3545	3546	-880.16	-1.061	0.255	0.351	10.104	-649.309	1
3546_3546	3546	3546	874.03	31.329	3.219	-0.447	-9.976	648.295	1
3546_3547	3546	3547	-874.03	-31.329	-3.219	0.447	-18.542	-370.71	1
3547_3547	3547	3547	873.157	50.158	1.088	0.035	18.934	370.691	1
3547_3548	3547	3548	-873.157	-50.158	-1.088	-0.035	-24.972	-92.355	1
3548_3548	3548	3548	863.87	-133.81	-2.623	2.268	25.569	91.197	1
3548_3549	3548	3549	-863.87	133.81	2.623	-2.268	-17.621	-496.721	1
3549_3549	3549	3549	867.451	132.725	-1.58	-2.782	17.811	498.485	1
3549_3550	3549	3550	-867.451	-132.725	1.58	2.782	-13.109	-103.525	1
3550_3550	3550	3550	874.366	-55.982	3.145	-0.832	12.951	103.224	1
3550_3551	3550	3551	-874.366	55.982	-3.145	0.832	-30.755	-420.15	1
3551_3551	3551	3551	875.418	-36.089	0.21	-0.148	30.103	420.198	1
3551_3552	3551	3552	-875.418	36.089	-0.21	0.148	-31.873	-724.035	1
3552_3552	3552	3552	877.729	-0.055	-0.118	-0.759	30.979	723.768	1
3552_3553	3552	3553	-877.729	0.055	0.118	0.759	-29.311	-724.538	1
3553_3553	3553	3553	879.898	33.748	-1.029	-1.068	28.1	724.208	1
3553_3554	3553	3554	-879.898	-33.748	1.029	1.068	-20.855	-486.709	1
3554_3554	3554	3554	878.727	56.457	-3.243	-0.353	20.404	486.729	1
3554_3555	3554	3555	-878.727	-56.457	3.243	0.353	2.437	-89.115	1
3555_3555	3555	3555	879.843	89.466	-2.415	-0.247	-3.104	89.124	1
3555_3556	3555	3556	-879.843	-89.466	2.415	0.247	28.83	863.852	1
3556_3556	3556	3556	877.031	113.782	-2.033	0.941	-28.928	-863.848	1
3556_3557	3556	3557	-877.031	-113.782	2.033	-0.941	35.89	1253.525	1
3557_3557	3557	3557	868.205	152.959	3.238	1.323	-35.179	-1251.81	1
3557_3293	3557	3293	-868.205	-152.959	-3.238	-1.323	14.218	2241.993	1.02
43000_3000	43000	3000	1.811	116.23	2.945	-3.347	0	10.648	1
43000_3001	43000	3001	-1.811	-106.474	-2.945	3.347	-43.928	1650.358	1
43001_3001	43001	3001	1.815	106.474	2.943	-5.292	43.928	-1650.35	1
43001_3002	43001	3002	-1.815	-99.675	-2.943	5.292	-74.523	2721.992	1
43002_3002	43002	3002	1.764	81.579	-3.142	-1.312	74.523	-2722.04	1
43002_3003	43002	3003	-1.764	-73.626	3.142	1.312	-36.319	3665.724	1
43003_3003	43003	3003	1.759	73.626	-3.145	-7.673	36.319	-3665.72	1
43003_3004	43003	3004	-1.759	-65.669	3.145	7.673	1.945	4513.177	1
43004_3004	43004	3004	1.788	51.645	0.46	-1.47	-1.945	-4513.27	1
43004_3005	43004	3005	-1.788	-43.689	-0.46	1.47	-3.653	5093.157	1
43005_3005	43005	3005	1.788	43.689	0.459	-6.144	3.653	-5093.15	1
43005_3006	43005	3006	-1.788	-35.727	-0.459	6.144	-9.236	5576.561	1
43006_3006	43006	3006	1.786	22.602	0.071	2.855	9.236	-5576.65	1
43006_3007	43006	3007	-1.786	-14.647	-0.071	-2.855	-10.095	5803.179	1
43007_3007	43007	3007	1.786	14.647	0.068	-7.197	10.095	-5803.18	1
43007_3008	43007	3008	-1.786	-6.688	-0.068	7.197	-10.918	5933.001	1
43008_3008	43008	3008	1.788	-6.23	0.275	1.696	10.918	-5933.19	1
43008_3009	43008	3009	-1.788	14.187	-0.275	-1.696	-14.261	5808.976	1
43009_3009	43009	3009	1.788	-14.187	0.273	-3.044	14.261	-5808.98	1
43009_3010	43009	3010	-1.788	22.145	-0.273	3.044	-17.586	5587.955	1
43010_3010	43010	3010	1.786	-35.093	0.012	5.191	17.586	-5588.07	1
43010_3011	43010	3011	-1.786	43.05	-0.012	-5.191	-17.736	5112.743	1
43011_3011	43011	3011	1.786	-43.05	0.009	-3.157	17.736	-5112.74	1
43011_3012	43011	3012	-1.786	51.004	-0.009	3.157	-17.85	4540.748	1
43012_3012	43012	3012	1.781	-64.205	-0.581	3.642	17.85	-4540.85	1
43012_3013	43012	3013	-1.781	72.165	0.581	-3.642	-10.785	3710.985	1
43013_3013	43013	3013	1.781	-72.165	-0.582	0.613	10.785	-3710.99	1
43013_3014	43013	3014	-1.781	80.124	0.582	-0.613	-3.702	2784.338	1
43014_3014	43014	3014	1.807	-93.979	2.34	3.838	3.702	-2784.4	1

43014_3015	43014	3015	-1.807	104.741	-2.34	-3.838	-42.214	1149.382	1
43015_3015	43015	3015	2.729	-104.721	2.338	0.548	42.22	-1148.38	1
43015_3016	43015	3016	-2.776	110.111	-2.338	-0.548	-61.488	263.076	1
43016_3016	43016	3016	5.049	-126.448	0.393	2.166	61.556	-263.075	1
43016_3017	43016	3017	-5.242	134.004	-0.393	-2.166	-66.175	-1267.86	1.06
43017_3017	43017	3017	8.522	-133.836	0.391	2.088	66.286	1267.669	1.06
43017_3018	43017	3018	-8.949	142.355	-0.391	-2.088	-71.469	-3099.67	1.03
43018_3018	43018	3018	13.844	-159.82	-2.468	-1.888	71.335	3099.661	1.03
43018_3019	43018	3019	-14.45	167.859	2.468	1.888	-40.395	-5153.96	1.02
43019_3019	43019	3019	18.837	-167.424	-2.47	5.21	41.161	5153.95	1.02
43019_3020	43019	3020	-19.655	175.462	2.47	-5.21	-10.119	-7308.2	1.02
43020_3020	43020	3020	-598.049	63.061	2.286	-1.124	-55.807	1704.415	1.02
43020_3021	43020	3021	598.049	-56.956	-2.286	1.124	34.1	-1134.7	1
43021_3021	43021	3021	-598.043	56.956	3.43	0.216	-34.1	990.216	1
43021_3022	43021	3022	598.043	-51.971	-3.43	-0.216	7.511	-567.99	1
43022_3022	43022	3022	-598.043	51.971	3.43	0.216	-7.511	567.99	1
43022_3023	43022	3023	598.043	-46.986	-3.43	-0.216	-19.077	-184.408	1
43023_3023	43023	3023	-598.066	30.476	-1.439	-0.308	19.077	184.423	1
43023_3024	43023	3024	598.066	-25.33	1.439	0.308	-7.565	38.859	1
43024_3024	43024	3024	-598.066	25.33	-1.439	-0.308	7.565	-38.859	1
43024_3025	43024	3025	598.066	-20.185	1.439	0.308	3.948	220.967	1
43025_3025	43025	3025	-598.067	20.185	-0.771	-0.555	-3.948	-220.967	1
43025_3026	43025	3026	598.067	-15.046	0.771	0.555	10.108	361.736	1
43026_3026	43026	3026	-598.072	-0.754	-1.751	0.092	-10.108	-361.766	1
43026_3027	43026	3027	598.072	4.612	1.751	-0.092	20.615	345.665	1
43027_3027	43027	3027	-598.074	-4.612	-0.759	-0.481	-20.615	-345.665	1
43027_3028	43027	3028	598.074	8.47	0.759	0.481	25.17	306.417	1
43028_3028	43028	3028	-598.074	-8.47	-0.759	-0.481	-25.17	-306.417	1
43028_3029	43028	3029	598.074	12.328	0.759	0.481	29.725	244.02	1
43029_3029	43029	3029	-598.074	-12.328	0.233	-0.885	-29.725	-244.018	1
43029_3030	43029	3030	598.074	16.186	-0.233	0.885	28.329	158.489	1
43030_3030	43030	3030	-598.081	-31.949	-0.734	-0.657	-28.329	-158.513	1
43030_3031	43030	3031	598.081	37.099	0.734	0.657	34.211	-117.989	1
43031_3031	43031	3031	-598.081	-37.099	-0.064	-0.524	-34.211	117.99	1
43031_3032	43031	3032	598.081	42.241	0.064	0.524	34.724	-435.276	1
43032_3032	43032	3032	-598.081	-42.241	0.68	0.017	-34.724	435.276	1
43032_3033	43032	3033	598.081	47.384	-0.68	-0.017	29.285	-793.649	1
43033_3033	43033	3033	-598.112	-64.472	-2.326	-2.56	-29.285	793.678	1
43033_3034	43033	3034	598.112	69.453	2.326	2.56	47.301	-1312.4	1
43034_3034	43034	3034	-598.116	-69.453	-0.716	0.973	-47.301	1312.402	1
43034_3035	43034	3035	598.116	74.44	0.716	-0.973	52.85	-1870.31	1
43035_3035	43035	3035	-598.116	-74.44	-1.058	-0.368	-52.85	2022.384	1
43035_3036	43035	3036	598.116	80.55	1.058	0.368	62.906	-2758.79	1.01
43036_3036	43036	3036	25.722	152.37	1.312	-4.106	-19.947	8573.135	1.01
43036_3037	43036	3037	-24.903	-144.337	-1.312	4.106	3.469	-6710.01	1.02
43037_3037	43037	3037	21.104	144.941	1.303	1.812	-4.015	6710.011	1.02
43037_3038	43037	3038	-20.497	-136.901	-1.303	-1.812	-12.326	-4943.07	1.02
43038_3038	43038	3038	16.165	120.211	-0.234	-3.667	12.627	4943.275	1.02
43038_3039	43038	3039	-15.737	-111.694	0.234	3.667	-9.517	-3405.61	1.03
43039_3039	43039	3039	12.989	112.047	-0.248	0.553	9.31	3406.618	1.03
43039_3040	43039	3040	-12.798	-104.593	0.248	-0.553	-6.398	-2132.68	1.05
43040_3040	43040	3040	10.885	87.215	-0.1	-3.285	6.439	2132.804	1.05
43040_3041	43040	3041	-10.839	-81.983	0.1	3.285	-5.611	-1434.64	1.07
43041_3041	43041	3041	10.118	82.075	-0.111	-1.831	5.582	1437.527	1.07
43041_3042	43041	3042	-10.118	-71.924	0.111	1.831	-3.81	-204.662	1
43042_3042	43042	3042	10.113	58.037	-0.573	-1.564	3.81	204.667	1

43042_3043	43042	3043	-10.113	-50.458	0.573	1.564	3.038	443.789	1
43043_3043	43043	3043	10.113	50.458	-0.581	-1.934	-3.038	-443.788	1
43043_3044	43043	3044	-10.113	-42.88	0.581	1.934	9.986	1001.616	1
43044_3044	43044	3044	10.118	30.022	0.118	0.416	-9.986	-1001.65	1
43044_3045	43044	3045	-10.118	-22.444	-0.118	-0.416	8.579	1315.186	1
43045_3045	43045	3045	10.119	22.444	0.1	-1.867	-8.579	-1315.19	1
43045_3046	43045	3046	-10.119	-14.862	-0.1	1.867	7.38	1538.277	1
43046_3046	43046	3046	10.118	2.234	0.049	0.607	-7.38	-1538.32	1
43046_3047	43046	3047	-10.118	5.342	-0.049	-0.607	6.794	1519.751	1
43047_3047	43047	3047	10.118	-5.342	0.048	0.504	-6.794	-1519.75	1
43047_3048	43047	3048	-10.118	12.923	-0.048	-0.504	6.215	1410.538	1
43048_3048	43048	3048	10.116	-25.744	-0.258	1.689	-6.215	-1410.59	1
43048_3049	43048	3049	-10.116	33.324	0.258	-1.689	9.296	1057.479	1
43049_3049	43049	3049	10.116	-33.324	-0.257	1.758	-9.296	-1057.48	1
43049_3050	43049	3050	-10.116	40.898	0.257	-1.758	12.367	614.145	1
43050_3050	43050	3050	10.137	-54.426	1.733	2.172	-12.367	-614.156	1
43050_3051	43050	3051	-10.137	64.567	-1.733	-2.172	-15.353	-337.536	1.15
43051_3051	43051	3051	10.679	-64.48	1.728	2.39	15.373	336.536	1.15
43051_3052	43051	3052	-10.723	69.712	-1.728	-2.39	-29.632	-890.319	1.06
43052_3052	43052	3052	12.253	-86.431	0.165	1.655	29.66	890.316	1.06
43052_3053	43052	3053	-12.435	93.881	-0.165	-1.655	-31.595	-1950.1	1.03
43053_3053	43053	3053	14.82	-93.534	0.157	2.27	31.698	1946.802	1.03
43053_3054	43053	3054	-15.229	101.719	-0.157	-2.27	-33.787	-3241.46	1.02
43054_3054	43054	3054	18.983	-117.926	-1.755	-1.852	33.587	3241.445	1.02
43054_3055	43054	3055	-19.561	125.652	1.755	1.852	-11.584	-4768.27	1.01
43055_3055	43055	3055	22.817	-125.101	-1.771	5.419	12.297	4768.268	1.01
43055_3056	43055	3056	-23.598	132.827	1.771	-5.419	9.958	-6388.56	1.01
43056_3056	43056	3056	-496.89	71.879	2.728	-0.42	-80.378	1867.853	1.01
43056_3057	43056	3057	496.89	-66.006	-2.728	0.42	54.459	-1212.74	1
43057_3057	43057	3057	-496.886	66.006	3.368	0.962	-54.459	1186.024	1
43057_3058	43057	3058	496.886	-61.219	-3.368	-0.962	28.365	-693.188	1
43058_3058	43058	3058	-496.886	61.219	3.368	0.962	-28.365	693.188	1
43058_3059	43058	3059	496.886	-56.431	-3.368	-0.962	2.271	-237.447	1
43059_3059	43059	3059	-496.91	40.404	-1.013	0.448	-2.271	237.448	1
43059_3060	43059	3060	496.91	-35.456	1.013	-0.448	10.385	66.279	1
43060_3060	43060	3060	-496.911	35.456	-0.434	0.371	-10.385	-66.279	1
43060_3061	43060	3061	496.911	-30.514	0.434	-0.371	13.859	330.055	1
43061_3061	43061	3061	-496.911	30.514	-0.434	0.371	-13.859	-330.055	1
43061_3062	43061	3062	496.911	-25.571	0.434	-0.371	17.334	554.309	1
43062_3062	43062	3062	-496.912	10.296	0.123	0.569	-17.334	-554.332	1
43062_3063	43062	3063	496.912	-6.587	-0.123	-0.569	16.598	605	1
43063_3063	43063	3063	-496.912	6.587	0.123	0.569	-16.598	-605	1
43063_3064	43063	3064	496.912	-2.878	-0.123	-0.569	15.862	633.405	1
43064_3064	43064	3064	-496.912	2.878	0.123	0.569	-15.862	-633.405	1
43064_3065	43064	3065	496.912	0.831	-0.123	-0.569	15.126	639.547	1
43065_3065	43065	3065	-496.912	-0.831	0.898	-0.428	-15.126	-639.547	1
43065_3066	43065	3066	496.912	4.534	-0.898	0.428	9.747	623.474	1
43066_3066	43066	3066	-496.916	-19.736	0.55	0.466	-9.747	-623.511	1
43066_3067	43066	3067	496.916	24.683	-0.55	-0.466	5.343	445.722	1
43067_3067	43067	3067	-496.916	-24.683	0.55	0.466	-5.343	-445.722	1
43067_3068	43067	3068	496.916	29.63	-0.55	-0.466	0.939	228.331	1
43068_3068	43068	3068	-496.913	-29.63	1.753	-0.086	-0.939	-228.332	1
43068_3069	43068	3069	496.913	34.571	-1.753	0.086	-13.075	-28.274	1
43069_3069	43069	3069	-496.966	-50.358	-2.144	-0.664	13.075	28.265	1
43069_3070	43069	3070	496.966	55.15	2.144	0.664	3.551	-437.3	1
43070_3070	43070	3070	-496.968	-55.15	-1.542	-0.134	-3.551	437.3	1

43070_3071	43070	3071	496.968	59.935	1.542	0.134	15.489	-882.855	1
43071_3071	43071	3071	-496.97	-59.935	-0.891	0.954	-15.489	920.349	1
43071_3072	43071	3072	496.97	65.809	0.891	-0.954	23.962	-1517.97	1.01
43072_3072	43072	3072	27.766	138.878	1.259	-2.123	13.573	6009.534	1.01
43072_3073	43072	3073	-26.984	-131.153	-1.259	2.123	-29.385	-4313.24	1.01
43073_3073	43073	3073	23.562	131.811	1.248	0.549	29.062	4313.247	1.01
43073_3074	43073	3074	-22.982	-124.087	-1.248	-0.549	-44.701	-2709.5	1.01
43074_3074	43074	3074	19.007	107.699	-0.507	-2.095	44.777	2709.614	1.01
43074_3075	43074	3075	-18.597	-99.511	0.507	2.095	-38.05	-1335.23	1.03
43075_3075	43075	3075	16.052	99.953	-0.53	-0.622	37.924	1339.619	1.03
43075_3076	43075	3076	-15.878	-92.876	0.53	0.622	-31.688	-205.843	1.03
43076_3076	43076	3076	14.253	77.566	-0.567	-1.309	31.676	205.855	1.03
43076_3077	43076	3077	-14.211	-72.604	0.567	1.309	-27.003	412.959	1
43077_3077	43077	3077	13.596	72.722	-0.594	-2.577	26.991	-417.824	1
43077_3078	43077	3078	-13.596	-63.964	0.594	2.577	-18.347	1412.098	1
43078_3078	43078	3078	13.597	52.106	-0.274	-1.882	18.347	-1412.13	1
43078_3079	43078	3079	-13.597	-45.344	0.274	1.882	-15.273	1959.457	1
43079_3079	43079	3079	13.597	45.344	-0.274	-1.882	15.273	-1959.46	1
43079_3080	43079	3080	-13.597	-38.581	0.274	1.882	-12.199	2430.822	1
43080_3080	43080	3080	13.6	27.328	-0.017	-0.041	12.199	-2430.86	1
43080_3081	43080	3081	-13.6	-20.56	0.017	0.041	-12.002	2700.033	1
43081_3081	43081	3081	13.6	20.56	-0.029	-2.331	12.002	-2700.03	1
43081_3082	43081	3082	-13.6	-13.799	0.029	2.331	-11.677	2892.984	1
43082_3082	43082	3082	13.599	1.975	-0.108	1.007	11.677	-2893.03	1
43082_3083	43082	3083	-13.599	5.293	0.108	-1.007	-10.377	2873.003	1
43083_3083	43083	3083	13.599	-5.293	-0.119	-1.474	10.377	-2873	1
43083_3084	43083	3084	-13.599	12.565	0.119	1.474	-8.935	2765.13	1
43084_3084	43084	3084	13.598	-24.41	-0.291	1.946	8.935	-2765.19	1
43084_3085	43084	3085	-13.598	31.17	0.291	-1.946	-5.67	2453.108	1
43085_3085	43085	3085	13.598	-31.17	-0.303	-0.326	5.67	-2453.11	1
43085_3086	43085	3086	-13.598	37.936	0.303	0.326	-2.261	2064.749	1
43086_3086	43086	3086	13.598	-49.242	-0.169	2.207	2.261	-2064.81	1
43086_3087	43086	3087	-13.598	56.008	0.169	-2.207	-0.366	1473.38	1
43087_3087	43087	3087	13.598	-56.008	-0.18	0.947	0.366	-1473.38	1
43087_3088	43087	3088	-13.598	62.767	0.18	-0.947	1.657	806.563	1
43088_3088	43088	3088	13.61	-74.364	1.152	1.989	-1.657	-806.58	1
43088_3089	43088	3089	-13.61	82.786	-1.152	-1.989	-14.454	-292.655	1.08
43089_3089	43089	3089	14.325	-82.665	1.14	1.891	14.471	295.239	1.08
43089_3090	43089	3090	-14.368	87.635	-1.14	-1.891	-23.885	-998.218	1.08
43090_3090	43090	3090	16.19	-102.668	-0.084	0.748	23.894	998.218	1.08
43090_3091	43090	3091	-16.367	109.74	0.084	-0.748	-22.903	-2246.21	1.02
43091_3091	43091	3091	19.116	-109.295	-0.097	2.253	23.019	2243.917	1.02
43091_3092	43091	3092	-19.507	117.071	0.097	-2.253	-21.732	-3745.21	1.02
43092_3092	43092	3092	23.637	-132.902	-1.386	-0.76	21.596	3745.195	1.02
43092_3093	43092	3093	-24.189	140.243	1.386	0.76	-4.216	-5458.05	1.02
43093_3093	43093	3093	27.844	-139.563	-1.396	3.334	4.621	5458.045	1.02
43093_3094	43093	3094	-28.588	146.898	1.396	-3.334	12.917	-7257.07	1
43094_3094	43094	3094	-536.84	64.176	2.179	-1.804	-70.702	2020.183	1
43094_3095	43094	3095	536.84	-58.597	-2.179	1.804	49.996	-1436.74	1
43095_3095	43095	3095	-536.834	58.597	3.306	1.081	-49.996	1415.234	1
43095_3096	43095	3096	536.834	-54.052	-3.306	-1.081	24.395	-979.107	1
43096_3096	43096	3096	-536.834	54.052	3.326	1.117	-24.395	979.107	1
43096_3097	43096	3097	536.834	-49.501	-3.326	-1.117	-1.392	-577.679	1
43097_3097	43097	3097	-536.853	34.312	-0.541	-0.32	1.392	577.687	1
43097_3098	43097	3098	536.853	-29.614	0.541	0.32	2.937	-321.888	1
43098_3098	43098	3098	-536.853	29.614	0.112	0.072	-2.937	321.888	1

43098_3099	43098	3099	536.853	-24.922	-0.112	-0.072	2.041	-103.941	1
43099_3099	43099	3099	-536.853	24.922	0.13	0.075	-2.041	103.941	1
43099_3100	43099	3100	536.853	-20.225	-0.13	-0.075	1.003	76.708	1
43100_3100	43100	3100	-536.843	5.81	2.036	-0.518	-1.003	-76.707	1
43100_3101	43100	3101	536.843	-2.286	-2.036	0.518	-11.216	101.003	1
43101_3101	43101	3101	-536.843	2.286	2.036	-0.518	11.216	-101.003	1
43101_3102	43101	3102	536.843	1.237	-2.036	0.518	-23.436	104.153	1
43102_3102	43102	3102	-536.841	-1.237	-2.464	0.355	23.436	-104.154	1
43102_3103	43102	3103	536.841	4.755	2.464	-0.355	-8.671	86.2	1
43103_3103	43103	3103	-536.844	-4.755	-1.54	0.207	8.671	-86.2	1
43103_3104	43103	3104	536.844	8.279	1.54	-0.207	0.575	47.081	1
43104_3104	43104	3104	-536.843	-22.68	-0.256	-0.277	-0.575	-47.079	1
43104_3105	43104	3105	536.843	27.378	0.256	0.277	2.626	-153.25	1
43105_3105	43105	3105	-536.843	-27.378	0.394	-0.091	-2.626	153.251	1
43105_3106	43105	3106	536.843	32.07	-0.394	0.091	-0.524	-390.854	1
43106_3106	43106	3106	-536.843	-32.07	0.414	-0.077	0.524	390.854	1
43106_3107	43106	3107	536.843	36.768	-0.414	0.077	-3.839	-666.334	1
43107_3107	43107	3107	-536.856	-51.968	-2.568	-0.766	3.839	666.347	1
43107_3108	43107	3108	536.856	56.519	2.568	0.766	16.068	-1086.91	1
43108_3108	43108	3108	-536.856	-56.519	-2.587	-0.806	-16.068	1086.906	1
43108_3109	43108	3109	536.856	61.065	2.587	0.806	36.102	-1542.14	1
43109_3109	43109	3109	-536.859	-61.065	-2.021	0.713	-36.102	1570.769	1
43109_3110	43109	3110	536.859	66.643	2.021	-0.713	55.311	-2177.61	1.01
43110_3110	43110	3110	30.307	143.756	1.138	-5.642	1.117	7440.131	1.01
43110_3111	43110	3111	-29.56	-136.422	-1.138	5.642	-15.407	-5680.77	1.01
43111_3111	43111	3111	25.984	137.148	1.113	3.134	14.562	5680.774	1.01
43111_3112	43111	3112	-25.431	-129.808	-1.113	-3.134	-28.514	-4007.05	1.01
43112_3112	43112	3112	21.355	114.259	-0.346	-2.832	28.847	4007.145	1.01
43112_3113	43112	3113	-20.964	-106.479	0.346	2.832	-24.25	-2542.51	1.03
43113_3113	43113	3113	18.283	106.972	-0.366	-0.204	24.09	2545.116	1.03
43113_3114	43113	3114	-18.11	-100.091	0.366	0.204	-19.791	-1328.98	1.03
43114_3114	43114	3114	16.322	85.014	-0.772	-1.871	19.797	1329.012	1.03
43114_3115	43114	3115	-16.28	-80.179	0.772	1.871	-13.426	-647.421	1.11
43115_3115	43115	3115	15.585	80.317	-0.771	-2.074	13.41	646.751	1.11
43115_3116	43115	3116	-15.585	-71.818	0.771	2.074	-2.233	456.46	1
43116_3116	43116	3116	15.585	60.331	-0.104	-0.737	2.233	-456.443	1
43116_3117	43116	3117	-15.585	-53.743	0.104	0.737	-1.06	1097.653	1
43117_3117	43117	3117	15.585	53.743	-0.132	-2.673	1.06	-1097.65	1
43117_3118	43117	3118	-15.585	-47.162	0.132	2.673	0.42	1664.312	1
43118_3118	43118	3118	15.585	36.33	-0.012	0.985	-0.42	-1664.34	1
43118_3119	43118	3119	-15.585	-29.748	0.012	-0.985	0.56	2035.421	1
43119_3119	43119	3119	15.585	29.748	-0.04	-2.639	-0.56	-2035.42	1
43119_3120	43119	3120	-15.585	-23.167	0.04	2.639	1.012	2332.573	1
43120_3120	43120	3120	15.585	11.839	-0.037	1.158	-1.012	-2332.55	1
43120_3121	43120	3121	-15.585	-4.765	0.037	-1.158	1.462	2432.759	1
43121_3121	43121	3121	15.585	4.765	-0.05	-0.857	-1.462	-2432.76	1
43121_3122	43121	3122	-15.585	2.309	0.05	0.857	2.068	2447.584	1
43122_3122	43122	3122	15.585	-13.701	-0.122	2.151	-2.068	-2447.58	1
43122_3123	43122	3123	-15.585	20.282	0.122	-2.151	3.439	2256.756	1
43123_3123	43123	3123	15.584	-20.282	-0.136	0.12	-3.439	-2256.76	1
43123_3124	43123	3124	-15.584	26.869	0.136	-0.12	4.97	1991.75	1
43124_3124	43124	3124	15.584	-37.935	-0.025	3.25	-4.97	-1991.75	1
43124_3125	43124	3125	-15.584	44.516	0.025	-3.25	5.255	1528.773	1
43125_3125	43125	3125	15.584	-44.516	-0.053	0.528	-5.255	-1528.78	1
43125_3126	43125	3126	-15.584	51.097	0.053	-0.528	5.852	991.896	1
43126_3126	43126	3126	15.587	-62.408	1.008	2.284	-5.852	-991.884	1

43126_3127	43126	3127	-15.587	70.501	-1.008	-2.284	-8.071	74.126	1
43127_3127	43127	3127	16.184	-70.366	0.99	1.87	8.087	-70.061	1
43127_3128	43127	3128	-16.225	75.201	-0.99	-1.87	-16.253	-530.435	1
43128_3128	43128	3128	17.814	-90.028	-0.21	0.116	16.244	530.414	1
43128_3129	43128	3129	-17.983	96.913	0.21	-0.116	-13.776	-1629.04	1.07
43129_3129	43129	3129	20.45	-96.423	-0.243	3.083	13.941	1624.02	1.07
43129_3130	43129	3130	-20.852	104.452	0.243	-3.083	-10.724	-2956.5	1.04
43130_3130	43130	3130	24.765	-121.407	-0.67	-0.017	10.584	2956.474	1.04
43130_3131	43130	3131	-25.336	128.982	0.67	0.017	-2.18	-4525.85	1.03
43131_3131	43131	3131	29.607	-128.07	-0.681	3.005	2.514	4525.845	1.03
43131_3132	43131	3132	-30.377	135.148	0.681	-3.005	5.489	-6072.11	1.03
43132_3132	43132	3132	-490.996	65.871	7.288	3.351	-103.669	1681.838	1.03
43132_3133	43132	3133	490.996	-59.629	-7.288	-3.351	28.598	-1035.51	1
43133_3133	43133	3133	-491.005	59.629	6.655	0.58	-28.598	929.641	1
43133_3134	43133	3134	491.005	-54.933	-6.655	-0.58	-22.978	-485.711	1
43134_3134	43134	3134	-491.049	54.933	0.977	-5.036	22.978	485.685	1
43134_3135	43134	3135	491.049	-50.218	-0.977	5.036	-30.582	-76.615	1
43135_3135	43135	3135	-491.043	34.08	-0.309	-0.203	30.582	76.707	1
43135_3136	43135	3136	491.043	-29.232	0.309	0.203	-28.112	176.574	1
43136_3136	43136	3136	-491.043	29.232	-0.309	-0.203	28.112	-176.574	1
43136_3137	43136	3137	491.043	-24.383	0.309	0.203	-25.641	391.062	1
43137_3137	43137	3137	-491.043	24.383	0.296	-0.685	25.641	-391.061	1
43137_3138	43137	3138	491.043	-19.541	-0.296	0.685	-28.003	566.556	1
43138_3138	43138	3138	-491.036	5.439	-0.767	0.124	28.003	-566.578	1
43138_3139	43138	3139	491.036	-1.803	0.767	-0.124	-23.404	588.307	1
43139_3139	43139	3139	-491.036	1.803	-0.767	0.124	23.404	-588.307	1
43139_3140	43139	3140	491.036	1.834	0.767	-0.124	-18.804	588.215	1
43140_3140	43140	3140	-491.037	-1.834	0.052	-0.856	18.804	-588.214	1
43140_3141	43140	3141	491.037	5.47	-0.052	0.856	-19.114	566.3	1
43141_3141	43141	3141	-491.036	-5.47	-0.767	0.087	19.114	-566.3	1
43141_3142	43141	3142	491.036	9.107	0.767	-0.087	-14.514	522.564	1
43142_3142	43142	3142	-491.039	-23.618	-0.292	0.184	14.514	-522.581	1
43142_3143	43142	3143	491.039	28.467	0.292	-0.184	-12.175	314.212	1
43143_3143	43143	3143	-491.039	-28.467	0.321	-0.209	12.175	-314.212	1
43143_3144	43143	3144	491.039	33.316	-0.321	0.209	-14.745	67.054	1
43144_3144	43144	3144	-491.039	-33.316	-0.292	-0.125	14.745	-67.054	1
43144_3145	43144	3145	491.039	38.164	0.292	0.125	-12.406	-218.902	1
43145_3145	43145	3145	-490.989	-53.899	-3.429	0.353	12.406	218.907	1
43145_3146	43145	3146	490.989	58.596	3.429	-0.353	14.175	-654.879	1
43146_3146	43146	3146	-490.984	-58.596	-4.063	-0.492	-14.175	654.879	1
43146_3147	43146	3147	490.984	63.293	4.063	0.492	45.666	-1127.27	1
43147_3147	43147	3147	-490.988	-63.293	-3.579	-0.057	-45.666	1219.843	1
43147_3148	43147	3148	490.988	69.051	3.579	0.057	79.675	-1848.56	1
43148_3148	43148	3148	32.653	132.413	1.024	-1.186	-7.683	6389.904	1
43148_3149	43148	3149	-31.885	-124.844	-1.024	1.186	-5.17	-4774.9	1
43149_3149	43149	3149	28.605	125.636	1.023	-1.26	5.133	4774.896	1
43149_3150	43149	3150	-28.037	-118.06	-1.023	1.26	-17.964	-3247.33	1
43150_3150	43150	3150	24.259	101.881	-0.207	-1.068	17.895	3247.332	1
43150_3151	43150	3151	-23.858	-93.85	0.207	1.068	-15.147	-1948.84	1
43151_3151	43151	3151	21.464	94.427	-0.201	-2.014	15.128	1955.04	1
43151_3152	43151	3152	-21.282	-87	0.201	2.014	-12.766	-888.7	1
43152_3152	43152	3152	19.757	70.933	-0.687	-1.706	12.728	888.704	1
43152_3153	43152	3153	-19.713	-65.718	0.687	1.706	-7.06	-324.926	1
43153_3153	43153	3153	19.16	65.882	-0.682	-1.769	7.045	327.141	1
43153_3154	43153	3154	-19.16	-57.197	0.682	1.769	2.327	518.52	1
43154_3154	43154	3154	19.152	44.813	-0.153	-0.739	-2.327	-518.507	1

43154_3155	43154	3155	-19.152	-37.86	0.153	0.739	4.005	973.273	1
43155_3155	43155	3155	19.152	37.86	-0.17	-1.623	-4.005	-973.272	1
43155_3156	43155	3156	-19.152	-30.907	0.17	1.623	5.875	1351.54	1
43156_3156	43156	3156	19.149	19.54	0.011	-0.23	-5.875	-1351.53	1
43156_3157	43156	3157	-19.149	-13.213	-0.011	0.23	5.768	1515.48	1
43157_3157	43157	3157	19.149	13.213	0.011	-0.23	-5.768	-1515.48	1
43157_3158	43157	3158	-19.149	-6.886	-0.011	0.23	5.662	1616.088	1
43158_3158	43158	3158	19.149	-3.275	0.015	0.788	-5.662	-1616.05	1
43158_3159	43158	3159	-19.149	9.602	-0.015	-0.788	5.513	1551.597	1
43159_3159	43159	3159	19.149	-9.602	0.015	0.763	-5.513	-1551.6	1
43159_3160	43159	3160	-19.149	15.935	-0.015	-0.763	5.366	1423.639	1
43160_3160	43160	3160	19.147	-27.382	0.133	2.068	-5.366	-1423.64	1
43160_3161	43160	3161	-19.147	34.328	-0.133	-2.068	3.909	1084.497	1
43161_3161	43161	3161	19.147	-34.328	0.115	1.066	-3.909	-1084.5	1
43161_3162	43161	3162	-19.147	41.281	-0.115	-1.066	2.646	668.598	1
43162_3162	43162	3162	19.134	-53.736	0.896	1.962	-2.646	-668.588	1
43162_3163	43162	3163	-19.134	62.427	-0.896	-1.962	-9.677	-130.139	1
43163_3163	43163	3163	19.651	-62.266	0.915	1.806	9.693	129.016	1
43163_3164	43163	3164	-19.694	67.475	-0.915	-1.806	-17.234	-663.645	1
43164_3164	43164	3164	21.174	-83.784	-0.172	2.157	17.276	663.614	1
43164_3165	43164	3165	-21.353	91.211	0.172	-2.157	-15.253	-1692.12	1
43165_3165	43165	3165	23.64	-90.645	-0.162	0.834	15.256	1687.046	1
43165_3166	43165	3166	-24.069	99.338	0.162	-0.834	-13.108	-2947.36	1
43166_3166	43166	3166	27.903	-117.107	-0.829	0.788	13.146	2947.376	1
43166_3167	43166	3167	-28.512	125.309	0.829	-0.788	-2.747	-4466.84	1
43167_3167	43167	3167	31.77	-124.522	-0.829	0.716	2.767	4466.835	1
43167_3168	43167	3168	-32.594	132.723	0.829	-0.716	7.655	-6082.92	1
43168_3168	43168	3168	-491.028	73.538	2.764	-0.685	-66.573	1710.312	1
43168_3169	43168	3169	491.028	-67.305	-2.764	0.685	40.313	-1041.21	1
43169_3169	43169	3169	-491.024	67.305	3.431	-0.029	-40.313	932.738	1
43169_3170	43169	3170	491.024	-62.221	-3.431	0.029	13.722	-430.764	1
43170_3170	43170	3170	-491.024	62.221	3.431	-0.029	-13.722	430.764	1
43170_3171	43170	3171	491.024	-57.136	-3.431	0.029	-12.869	31.799	1
43171_3171	43171	3171	-490.968	40.433	-0.011	-0.224	12.869	-31.769	1
43171_3172	43171	3172	490.968	-35.191	0.011	0.224	-12.78	333.926	1
43172_3172	43172	3172	-490.968	35.191	-0.001	-0.231	12.78	-333.926	1
43172_3173	43172	3173	490.968	-29.942	0.001	0.231	-12.771	594.492	1
43173_3173	43173	3173	-490.968	29.942	-0.001	-0.231	12.771	-594.492	1
43173_3174	43173	3174	490.968	-24.693	0.001	0.231	-12.763	813.063	1
43174_3174	43174	3174	-490.968	8.774	0.662	-0.803	12.763	-813.081	1
43174_3175	43174	3175	490.968	-4.837	-0.662	0.803	-16.732	853.918	1
43175_3175	43175	3175	-490.968	4.837	-0.157	0.62	16.732	-853.918	1
43175_3176	43175	3176	490.968	-0.901	0.157	-0.62	-15.793	871.135	1
43176_3176	43176	3176	-490.968	0.901	0.662	-0.832	15.793	-871.135	1
43176_3177	43176	3177	490.968	3.036	-0.662	0.832	-19.762	864.729	1
43177_3177	43177	3177	-490.968	-3.036	-0.157	0.609	19.762	-864.73	1
43177_3178	43177	3178	490.968	6.972	0.157	-0.609	-18.823	834.702	1
43178_3178	43178	3178	-490.964	-22.96	-0.231	0.177	18.823	-834.703	1
43178_3179	43178	3179	490.964	28.209	0.231	-0.177	-16.978	630.001	1
43179_3179	43179	3179	-490.964	-28.209	-0.231	0.177	16.978	-630.001	1
43179_3180	43179	3180	490.964	33.457	0.231	-0.177	-15.132	383.305	1
43180_3180	43180	3180	-490.964	-33.457	0.383	-0.302	15.132	-383.304	1
43180_3181	43180	3181	490.964	38.706	-0.383	0.302	-18.196	94.619	1
43181_3181	43181	3181	-490.899	-55.43	-3.798	0.021	18.196	-94.582	1
43181_3182	43181	3182	490.899	60.508	3.798	-0.021	11.205	-354.164	1
43182_3182	43182	3182	-490.904	-60.508	-3.154	0.485	-11.205	354.164	1

43182_3183	43182	3183	490.904	65.593	3.154	-0.485	35.653	-842.866	1
43183_3183	43183	3183	-490.903	-65.593	-3.304	-0.358	-35.653	929.966	1
43183_3184	43183	3184	490.903	71.826	3.304	0.358	67.046	-1582.79	1.02
43184_3184	43184	3184	36.774	136.766	1.029	-0.994	2.409	5985.048	1.02
43184_3185	43184	3185	-35.955	-128.565	-1.029	0.994	-15.34	-4318.27	1.03
43185_3185	43185	3185	32.602	129.456	1.029	-1.393	15.309	4318.273	1.03
43185_3186	43185	3186	-31.998	-121.255	-1.029	1.393	-28.211	-2746.89	1.04
43186_3186	43186	3186	28.111	103.558	-0.124	-1.13	28.121	2746.895	1.04
43186_3187	43186	3187	-27.687	-94.864	0.124	1.13	-26.473	-1430.62	1.08
43187_3187	43187	3187	25.306	95.527	-0.117	-2.22	26.447	1436.785	1.08
43187_3188	43187	3188	-25.116	-87.56	0.117	2.22	-25.074	-360.704	1.08
43188_3188	43188	3188	23.617	70.465	-1.072	-2.394	25.034	360.706	1.08
43188_3189	43188	3189	-23.571	-64.871	1.072	2.394	-16.192	197.643	1
43189_3189	43189	3189	23.039	65.062	-1.066	-2.293	16.172	-193.674	1
43189_3190	43189	3190	-23.039	-55.745	1.066	2.293	-1.527	1023.723	1
43190_3190	43190	3190	23.028	42.283	-0.341	-1.85	1.527	-1023.72	1
43190_3191	43190	3191	-23.028	-34.824	0.341	1.85	2.23	1447.872	1
43191_3191	43191	3191	23.028	34.824	-0.341	-1.85	-2.23	-1447.87	1
43191_3192	43191	3192	-23.028	-27.365	0.341	1.85	5.986	1789.962	1
43192_3192	43192	3192	23.027	14.876	-0.244	-0.571	-5.986	-1789.93	1
43192_3193	43192	3193	-23.027	-8.048	0.244	0.571	8.439	1905.364	1
43193_3193	43193	3193	23.027	8.048	-0.244	-0.571	-8.439	-1905.36	1
43193_3194	43193	3194	-23.027	-1.219	0.244	0.571	10.893	1952.028	1
43194_3194	43194	3194	23.028	-10.045	-0.314	0.858	-10.893	-1952	1
43194_3195	43194	3195	-23.028	16.873	0.314	-0.858	14.056	1816.454	1
43195_3195	43195	3195	23.028	-16.873	-0.314	0.858	-14.056	-1816.45	1
43195_3196	43195	3196	-23.028	23.701	0.314	-0.858	17.22	1612.137	1
43196_3196	43196	3196	23.009	-36.159	0.481	1.448	-17.22	-1612.11	1
43196_3197	43196	3197	-23.009	43.611	-0.481	-1.448	11.937	1173.73	1
43197_3197	43197	3197	23.008	-43.611	0.501	2.499	-11.937	-1173.73	1
43197_3198	43197	3198	-23.008	51.07	-0.501	-2.499	6.423	652.916	1
43198_3198	43198	3198	22.996	-64.737	1.039	2.457	-6.423	-652.913	1
43198_3199	43198	3199	-22.996	74.061	-1.039	-2.457	-7.862	-301.449	1.03
43199_3199	43199	3199	23.596	-73.872	1.033	2.696	7.884	296.34	1.03
43199_3200	43199	3200	-23.641	79.467	-1.033	-2.696	-16.41	-928.962	1.03
43200_3200	43200	3200	25.328	-97.179	-0.56	1.71	16.432	928.954	1.03
43200_3201	43200	3201	-25.515	105.14	0.56	-1.71	-9.856	-2117.05	1.03
43201_3201	43201	3201	28.114	-104.475	-0.568	1.991	9.921	2109.631	1.03
43201_3202	43201	3202	-28.566	113.831	0.568	-1.991	-2.391	-3557.78	1.02
43202_3202	43202	3202	32.728	-132.215	-1.229	1.294	2.392	3557.778	1.02
43202_3203	43202	3203	-33.37	141.041	1.229	-1.294	13.014	-5270.37	1.01
43203_3203	43203	3203	36.961	-140.143	-1.229	1.626	-12.977	5270.367	1.01
43203_3204	43203	3204	-37.83	148.969	1.229	-1.626	28.417	-7086.3	1.01
43204_3204	43204	3204	-547.787	79.332	3.992	0.739	-112.298	2063.803	1.01
43204_3205	43204	3205	547.787	-72.624	-3.992	-0.739	74.373	-1341.93	1
43205_3205	43205	3205	-547.791	72.624	3.452	-1.589	-74.373	1182.153	1
43205_3206	43205	3206	547.791	-67.151	-3.452	1.589	47.613	-640.448	1
43206_3206	43206	3206	-547.786	67.151	4.159	-0.763	-47.613	640.45	1
43206_3207	43206	3207	547.786	-61.679	-4.159	0.763	15.377	-141.171	1
43207_3207	43207	3207	-547.711	43.583	0.643	0.127	-15.377	141.227	1
43207_3208	43207	3208	547.711	-37.934	-0.643	-0.127	10.229	184.885	1
43208_3208	43208	3208	-547.711	37.934	0.632	0.131	-10.229	-184.885	1
43208_3209	43208	3209	547.711	-32.293	-0.632	-0.131	5.176	465.478	1
43209_3209	43209	3209	-547.71	32.293	1.328	-0.46	-5.176	-465.478	1
43209_3210	43209	3210	547.71	-26.644	-1.328	0.46	-5.448	701.251	1
43210_3210	43210	3210	-547.695	8.794	-0.32	0.535	5.448	-701.289	1

43210_3211	43210	3211	547.695	-4.558	0.32	-0.535	-3.531	741.35	1
43211_3211	43211	3211	-547.695	4.558	-0.32	0.535	3.531	-741.35	1
43211_3212	43211	3212	547.695	-0.321	0.32	-0.535	-1.613	755.989	1
43212_3212	43212	3212	-547.695	0.321	0.593	-0.725	1.613	-755.989	1
43212_3213	43212	3213	547.695	3.915	-0.593	0.725	-5.171	745.205	1
43213_3213	43213	3213	-547.695	-3.915	-0.32	0.517	5.171	-745.205	1
43213_3214	43213	3214	547.695	8.152	0.32	-0.517	-3.253	708.998	1
43214_3214	43214	3214	-547.697	-26.004	0.73	-0.092	3.253	-708.989	1
43214_3215	43214	3215	547.697	31.653	-0.73	0.092	-9.096	478.335	1
43215_3215	43215	3215	-547.698	-31.653	0.046	0.506	9.096	-478.335	1
43215_3216	43215	3216	547.698	37.302	-0.046	-0.506	-9.463	202.48	1
43216_3216	43216	3216	-547.698	-37.302	0.046	0.506	9.463	-202.48	1
43216_3217	43216	3217	547.698	42.95	-0.046	-0.506	-9.829	-118.57	1
43217_3217	43217	3217	-547.609	-60.996	-3.28	-0.645	9.829	118.576	1
43217_3218	43217	3218	547.609	66.468	3.28	0.645	15.595	-612.555	1
43218_3218	43218	3218	-547.605	-66.468	-3.987	-1.435	-15.595	612.554	1
43218_3219	43218	3219	547.605	71.94	3.987	1.435	46.496	-1148.96	1
43219_3219	43219	3219	-547.616	-71.94	-1.726	2.897	-46.496	1279.354	1
43219_3220	43219	3220	547.616	78.64	1.726	-2.897	62.875	-1993.92	1
43220_3220	43220	3220	39.341	153.541	0.984	-8.31	7.664	7050.463	1
43220_3221	43220	3221	-38.479	-144.716	-0.984	8.31	-20.028	-5177.47	1
43221_3221	43221	3221	34.794	145.646	0.907	7.709	18.619	5177.474	1
43221_3222	43221	3222	-34.158	-136.821	-0.907	-7.709	-29.984	-3407.47	1.01
43222_3222	43222	3222	29.935	118.597	2.137	-3.729	30.674	3407.342	1.01
43222_3223	43222	3223	-29.487	-109.242	-2.137	3.729	-59.018	-1896.18	1.01
43223_3223	43223	3223	26.799	109.935	2.011	4.026	58.695	1904.094	1.01
43223_3224	43223	3224	-26.596	-101.193	-2.011	-4.026	-82.327	-663.362	1.03
43224_3224	43224	3224	24.888	81.596	-2.227	0.112	82.4	663.364	1.03
43224_3225	43224	3225	-24.839	-75.457	2.227	-0.112	-64.025	-15.483	1
43225_3225	43225	3225	24.226	75.653	-2.34	-0.311	64.024	15.655	1
43225_3226	43225	3226	-24.226	-63.801	2.34	0.311	-26.746	1095.174	1
43226_3226	43226	3226	24.196	47.4	-0.225	3.503	26.746	-1095.1	1
43226_3227	43226	3227	-24.196	-38.397	0.225	-3.503	-24.018	1614.231	1
43227_3227	43227	3227	24.195	38.397	-0.326	-3.192	24.018	-1614.23	1
43227_3228	43227	3228	-24.195	-29.4	0.326	3.192	-20.079	2024.143	1
43228_3228	43228	3228	24.19	13.629	-0.322	5.404	20.079	-2023.78	1
43228_3229	43228	3229	-24.19	-4.632	0.322	-5.404	-16.188	2134.201	1
43229_3229	43229	3229	24.189	4.632	-0.422	-3.417	16.188	-2134.21	1
43229_3230	43229	3230	-24.189	4.366	0.422	3.417	-11.087	2135.811	1
43230_3230	43230	3230	24.11	-20.235	1.797	4.833	11.087	-2135.31	1
43230_3231	43230	3231	-24.11	29.36	-1.797	-4.833	-33.131	1831.15	1
43231_3231	43231	3231	24.117	-29.36	1.698	-2.678	33.131	-1831.16	1
43231_3232	43231	3232	-24.117	38.48	-1.698	2.678	-53.947	1415.392	1
43232_3232	43232	3232	24.125	-56.151	1.549	1.212	53.947	-1415.06	1
43232_3233	43232	3233	-24.125	61.981	-1.549	-1.212	-66.083	952.235	1
43233_3233	43233	3233	24.126	-61.981	1.534	0.63	66.083	-952.236	1
43233_3234	43233	3234	-24.126	67.528	-1.534	-0.63	-77.52	469.449	1.03
43234_3234	43234	3234	24.672	-67.332	1.466	-1.321	77.512	-469.454	1.03
43234_3235	43234	3235	-24.725	73.929	-1.466	1.321	-90.509	-156.9	1.03
43235_3235	43235	3235	26.006	-90.903	-1.706	-2.462	90.486	156.876	1.03
43235_3236	43235	3236	-26.09	95.267	1.706	2.462	-80.479	-702.991	1.03
43236_3236	43236	3236	26.904	-95.04	-1.736	-2.27	80.479	702.991	1.03
43236_3237	43236	3237	-27.02	99.205	1.736	2.27	-71.334	-1214.58	1.03
43237_3237	43237	3237	28.627	-98.752	-1.807	-0.673	71.409	1204.351	1.03
43237_3238	43237	3238	-28.972	106.584	1.807	0.673	-53.504	-2221.92	1.01
43238_3238	43238	3238	31.857	-120.229	-3.009	-5.868	53.219	2221.274	1.01

43238_3239	43238	3239	-32.365	128.355	3.009	5.868	-22.245	-3500.7	1.01
43239_3239	43239	3239	34.939	-127.677	-3.066	1.849	22.798	3500.702	1.01
43239_3240	43239	3240	-35.643	136.185	3.066	-1.849	10.291	-4924.56	1.01
43240_3240	43240	3240	39.821	-151.035	-5.478	3.398	-10.118	4923.396	1.01
43240_3241	43240	3241	-40.405	156.826	5.478	-3.398	50.434	-6056.21	1
43241_3241	43241	3241	-552.286	93.259	-2.021	-5.475	-19.136	1551.725	1
43241_3242	43241	3242	552.286	-85.748	2.021	5.475	38.332	-701.754	1
43242_3242	43242	3242	-552.289	85.748	-0.045	-2.961	-38.332	660.536	1
43242_3243	43242	3243	552.289	-79.677	0.045	2.961	38.678	-25.719	1
43243_3243	43243	3243	-552.09	60.398	-1.728	0.717	-38.678	25.957	1
43243_3244	43243	3244	552.09	-52.867	1.728	-0.717	55.132	513.196	1
43244_3244	43244	3244	-552.092	52.867	-0.521	-0.405	-55.132	-513.197	1
43244_3245	43244	3245	552.092	-44.876	0.521	0.405	60.391	1006.942	1
43245_3245	43245	3245	-551.958	30.082	-1.02	2.952	-60.391	-1006.53	1
43245_3246	43245	3246	551.958	-22.216	1.02	-2.952	70.534	1266.579	1
43246_3246	43246	3246	-551.957	22.216	1.202	-2.147	-70.534	-1266.58	1
43246_3247	43246	3247	551.957	-14.562	-1.202	2.147	58.902	1444.528	1
43247_3247	43247	3247	-551.758	-3.15	-1.566	2.836	-58.902	-1444.13	1
43247_3248	43247	3248	551.758	10.416	1.566	-2.836	73.293	1381.817	1
43248_3248	43248	3248	-551.76	-10.416	0.292	-1.818	-73.293	-1381.82	1
43248_3249	43248	3249	551.76	18.669	-0.292	1.818	70.248	1230.093	1
43249_3249	43249	3249	-551.612	-33.166	-1.509	1.355	-70.248	-1229.8	1
43249_3250	43249	3250	551.612	41.253	1.509	-1.355	85.676	849.353	1
43250_3250	43250	3250	-551.614	-41.253	0.104	-1.129	-85.676	-849.353	1
43250_3251	43250	3251	551.614	48.692	-0.104	1.129	84.695	426.428	1
43251_3251	43251	3251	-551.85	-64.002	7.564	-0.371	-84.695	-426.368	1
43251_3252	43251	3252	551.85	70.648	-7.564	0.371	21.137	-139.342	1
43252_3252	43252	3252	-551.821	-70.648	9.406	0.094	-21.137	139.343	1
43252_3253	43252	3253	551.821	77.313	-9.406	-0.094	-58.11	-762.649	1
43253_3253	43253	3253	-551.809	-77.313	10.105	1.156	58.11	767.907	1
43253_3254	43253	3254	551.809	83.374	-10.105	-1.156	-135.544	-1383.58	1
43254_3254	43254	3254	-551.299	-93.201	-3.48	-33.714	135.544	1382.327	1
43254_3255	43254	3255	551.299	95.784	3.48	33.714	-124.184	-1690.82	1.01
43255_3255	43255	3255	35.058	145.556	-6.9	0.875	158.146	6068.411	1.01
43255_3256	43255	3256	-34.18	-137.49	6.9	-0.875	-87.369	-4616.75	1.01
43256_3256	43256	3256	29.643	138.536	-6.961	12.617	86.243	4616.749	1.01
43256_3257	43256	3257	-29.153	-132.081	6.961	-12.617	-29.28	-3509.42	1.02
43257_3257	43257	3257	26.136	121.347	-2.76	-2.272	30.337	3508.749	1.02
43257_3258	43257	3258	-25.676	-113.547	2.76	2.272	-3.066	-2348.49	1.03
43258_3258	43258	3258	23.808	113.952	-2.801	2.748	2.813	2348.494	1.03
43258_3259	43258	3259	-23.519	-107.144	2.801	-2.748	21.321	-1396.13	1.05
43259_3259	43259	3259	22.013	107.461	-2.86	8.602	-21.44	1404.222	1.05
43259_3260	43259	3260	-21.942	-104.963	2.86	-8.602	30.477	-1068.63	1.05
43260_3260	43260	3260	19.256	81.166	5.656	-0.189	-30.222	1065.532	1.05
43260_3261	43260	3261	-19.125	-74.886	-5.656	0.189	-12.176	-480.687	1.05
43261_3261	43261	3261	18.198	75.119	5.619	0.678	12.164	480.687	1.05
43261_3262	43261	3262	-18.133	-67.287	-5.619	-0.678	-64.688	184.864	1
43262_3262	43262	3262	17.591	67.435	5.559	-0.055	64.691	-186.241	1
43262_3263	43262	3263	-17.591	-61.016	-5.559	0.055	-107.272	678.183	1
43263_3263	43263	3263	17.689	42.646	-2.359	3.405	107.272	-678.102	1
43263_3264	43263	3264	-17.689	-33.205	2.359	-3.405	-80.699	1105.383	1
43264_3264	43264	3264	17.683	33.205	-2.404	0.582	80.699	-1105.39	1
43264_3265	43264	3265	-17.683	-23.33	2.404	-0.582	-52.375	1438.475	1
43265_3265	43265	3265	17.664	5.581	-0.744	4.594	52.375	-1438.42	1
43265_3266	43265	3266	-17.664	4.155	0.744	-4.594	-43.729	1446.701	1
43266_3266	43266	3266	17.661	-4.155	-0.811	-0.877	43.729	-1446.71	1

43266_3267	43266	3267	-17.661	13.735	0.811	0.877	-34.458	1344.444	1
43267_3267	43267	3267	17.664	-31.135	0.811	2.816	34.458	-1344.47	1
43267_3268	43267	3268	-17.664	40.863	-0.811	-2.816	-43.878	926.572	1
43268_3268	43268	3268	17.666	-40.863	0.762	0.222	43.878	-926.576	1
43268_3269	43268	3269	-17.666	50.45	-0.762	-0.222	-52.597	404.201	1
43269_3269	43269	3269	17.654	-69.322	-0.854	-1.215	52.597	-404.192	1
43269_3270	43269	3270	-17.654	79.549	0.854	1.215	-42.175	-504.279	1
43270_3270	43270	3270	17.651	-79.549	-0.921	0.709	42.175	504.28	1
43270_3271	43270	3271	-17.651	89.681	0.921	-0.709	-31.036	-1527.29	1
43271_3271	43271	3271	17.67	-109.95	0.913	-10.888	31.036	1527.45	1
43271_3272	43271	3272	-17.67	115.758	-0.913	10.888	-37.367	-2309.65	1.07
43272_3272	43272	3272	18.681	-115.6	0.872	-5.82	37.318	2308.817	1.07
43272_3273	43272	3273	-18.75	123.51	-0.872	5.82	-45.555	-3437.45	1.07
43273_3273	43273	3273	20.464	-123.238	0.817	4.296	45.712	3437.452	1.07
43273_3274	43273	3274	-20.62	130.136	-0.817	-4.296	-52.441	-4480.47	1.04
43274_3274	43274	3274	21.885	-146.032	-13.607	-12.665	51.966	4480.978	1.04
43274_3275	43274	3275	-21.945	147.981	13.607	12.665	-20.295	-4823.15	1.04
43275_3275	43275	3275	23.613	-147.723	-13.622	-12.094	20.183	4818.986	1.04
43275_3276	43275	3276	-23.919	154.98	13.622	12.094	97.879	-6130.8	1.03
43276_3276	43276	3276	26.289	-154.591	-13.672	7.113	-97.035	6130.821	1.03
43276_3277	43276	3277	-26.709	161.877	13.672	-7.113	216.093	-7508.78	1.03
43277_3277	43277	3277	30.841	-173.608	9.761	-30.171	-219.043	7509.801	1.03
43277_3278	43277	3278	-31.519	182.571	-9.761	30.171	117.143	-9369.01	1.03
43278_3278	43278	3278	36.956	-181.551	9.723	-6.686	-115.877	9369.072	1.03
43278_3279	43278	3279	-37.827	189.802	-9.723	6.686	22.185	-11158.3	1.02
43279_3279	43279	3279	-810.6	131.63	4.457	61.122	46.229	3458.324	1.02
43279_3280	43279	3280	810.6	-128.078	-4.457	-61.122	-64.613	-2922.71	1
43280_3280	43280	3280	-810.758	98.44	-16.705	-10.074	64.613	2923.227	1
43280_3281	43280	3281	810.758	-93.039	16.705	10.074	40.182	-2322.61	1
43281_3281	43281	3281	-810.807	93.039	-14.113	-1.082	-40.182	2232.623	1
43281_3282	43281	3282	810.807	-84.727	14.113	1.082	176.42	-1374.59	1
43282_3282	43282	3282	-810.845	84.727	-11.709	2.992	-176.42	1374.587	1
43282_3283	43282	3283	810.845	-77.529	11.709	-2.992	274.307	-696.373	1
43283_3283	43283	3283	-810.72	60.556	8.555	-1.876	-274.307	1116.749	1
43283_3284	43283	3284	810.72	-53.311	-8.555	1.876	168.537	-412.875	1
43284_3284	43284	3284	-810.681	53.311	11.675	-0.287	-168.537	412.879	1
43284_3285	43284	3285	810.681	-46.323	-11.675	0.287	29.312	181.169	1
43285_3285	43285	3285	-810.804	15.366	-5.053	0.594	-29.312	-181.178	1
43285_3286	43285	3286	810.804	-8.428	5.053	-0.594	89.135	322.035	1
43286_3286	43286	3286	-810.819	8.428	-1.577	-0.787	-89.135	-322.034	1
43286_3287	43286	3287	810.819	-2.325	1.577	0.787	105.559	378.031	1
43287_3287	43287	3287	-810.878	-16.664	4.137	-0.495	-105.559	-378.018	1
43287_3288	43287	3288	810.878	23.283	-4.137	0.495	58.832	152.42	1
43288_3288	43288	3288	-810.859	-23.283	6.89	-1.012	-58.832	-152.417	1
43288_3289	43288	3289	810.859	29.691	-6.89	1.012	-16.517	-137.236	1
43289_3289	43289	3289	-810.982	-56.433	-3.183	-2.56	16.517	137.265	1
43289_3290	43289	3290	810.982	61.334	3.183	2.56	10.11	-629.792	1
43290_3290	43290	3290	-810.987	-61.334	-1.417	-1.188	-10.11	629.796	1
43290_3291	43290	3291	810.987	65.939	1.417	1.188	21.243	-1129.88	1
43291_3291	43291	3291	-810.988	-65.939	0.204	1.08	-21.243	1166.9	1
43291_3292	43291	3292	810.988	70.558	-0.204	-1.08	19.632	-1704.83	1
43292_3292	43292	3292	-811.003	-94.621	0.761	3.345	-19.632	1704.871	1
43292_3293	43292	3293	811.003	96.092	-0.761	-3.345	17.722	-1944.24	1.02
43293_3293	43293	3293	30.279	236.546	2.719	-18.381	-29.523	8486.89	1.02
43293_3294	43293	3294	-29.744	-231.613	-2.719	18.381	6.507	-6505.05	1.02
43294_3294	43294	3294	22.154	232.462	2.7	8.342	-9.099	6505.069	1.02

43294_3295	43294	3295	-21.723	-226.73	-2.7	-8.342	-17.384	-4252.71	1.03
43295_3295	43295	3295	14.936	201.48	-1.765	-7.07	18.346	4252.948	1.03
43295_3296	43295	3296	-14.609	-195.105	1.765	7.07	0.878	-2092.91	1.05
43296_3296	43296	3296	10.479	195.37	-1.783	1.278	-1.278	2092.919	1.05
43296_3297	43296	3297	-10.333	-190.524	1.783	-1.278	16.033	-496.367	1.14
43297_3297	43297	3297	7.359	190.661	-1.796	3.311	-16.037	497.241	1.14
43297_3298	43297	3298	-7.322	-188.132	1.796	-3.311	23.793	320.47	1
43298_3298	43298	3298	5.12	158.189	0.619	2.421	-23.751	-320.446	1
43298_3299	43298	3299	-5.104	-153.231	-0.619	-2.421	18.652	1602.864	1
43299_3299	43299	3299	4.612	153.247	0.609	-0.975	-18.644	-1602.87	1
43299_3300	43299	3300	-4.612	-148.761	-0.609	0.975	14.105	2728.085	1
43300_3300	43300	3300	4.613	148.761	0.6	-6.162	-14.105	-2729.31	1
43300_3301	43300	3301	-4.613	-144.482	-0.6	6.162	9.84	3771.3	1
43301_3301	43301	3301	4.607	116.013	-0.102	9.879	-9.84	-3771.47	1
43301_3302	43301	3302	-4.607	-108.739	0.102	-9.879	11.069	5129.19	1
43302_3302	43302	3302	4.607	108.739	-0.119	-9.662	-11.069	-5129.19	1
43302_3303	43302	3303	-4.607	-101.398	0.119	9.662	12.523	6410.496	1
43303_3303	43303	3303	4.608	73.352	0.264	12.13	-12.523	-6410.78	1
43303_3304	43303	3304	-4.608	-65.627	-0.264	-12.13	9.133	7302.467	1
43304_3304	43304	3304	4.609	65.627	0.25	-9.949	-9.133	-7302.47	1
43304_3305	43304	3305	-4.609	-58.738	-0.25	9.949	6.269	8014.085	1
43305_3305	43305	3305	4.611	32.717	0.359	17.501	-6.269	-8014.42	1
43305_3306	43305	3306	-4.611	-24.75	-0.359	-17.501	1.517	8394.661	1
43306_3306	43306	3306	4.612	24.75	0.342	-13.651	-1.517	-8394.67	1
43306_3307	43306	3307	-4.612	-18.103	-0.342	13.651	-2.259	8631.278	1
43307_3307	43307	3307	4.616	-6.627	0.759	18.266	2.259	-8631.7	1
43307_3308	43307	3308	-4.616	14.193	-0.759	-18.266	-11.797	8500.855	1
43308_3308	43308	3308	4.619	-14.193	0.743	-10.228	11.797	-8500.87	1
43308_3309	43308	3309	-4.619	21.238	-0.743	10.228	-20.497	8293.552	1
43309_3309	43309	3309	4.623	-46.122	0.847	17.208	20.497	-8293.78	1
43309_3310	43309	3310	-4.623	53.266	-0.847	-17.208	-30.547	7704.045	1
43310_3310	43310	3310	4.626	-53.266	0.833	-5.353	30.547	-7704.06	1
43310_3311	43310	3311	-4.626	60.739	-0.833	5.353	-40.892	6996.476	1
43311_3311	43311	3311	4.639	-83.218	2.224	14.85	40.892	-6996.77	1
43311_3312	43311	3312	-4.639	90.507	-2.224	-14.85	-67.818	5945.014	1
43312_3312	43312	3312	4.646	-90.507	2.209	-3.817	67.818	-5945.03	1
43312_3313	43312	3313	-4.646	97.827	-2.209	3.817	-94.681	4799.987	1
43313_3313	43313	3313	4.615	-130.982	-1.975	11.003	94.681	-4800.17	1
43313_3314	43313	3314	-4.615	138.634	1.975	-11.003	-69.583	3086.6	1
43314_3314	43314	3314	4.608	-138.634	-1.992	-0.522	69.583	-3086.62	1
43314_3315	43314	3315	-4.608	146.25	1.992	0.522	-44.384	1284.502	1
43315_3315	43315	3315	4.701	-156.922	-5.424	2.369	44.384	-1284.63	1
43315_3316	43315	3316	-4.701	161.849	5.424	-2.369	0	-19.661	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1	2	3	4	5	6	7	8	9
3000_3000	3000	3000	87.94538	598.8688	-0.50663	3.572625	0	-423.502
3000_3001	3000	3001	-68.5637	-541.778	0.506625	-3.57263	7.561313	8842.172
3001_3001	3001	3001	68.565	541.7777	-0.51319	-6.1635	-7.56131	-8842.18
3001_3002	3001	3002	-55.0554	-501.987	0.513188	6.1635	12.89794	14206.24
3002_3002	3002	3002	55.03444	427.0193	1.493625	14.86144	-12.8979	-14206.4
3002_3003	3002	3003	-42.6799	-380.478	-1.49363	-14.8614	-5.25919	19060.23
3003_3003	3003	3003	42.67725	380.478	1.483125	-16.9168	5.259188	-19060.2
3003_3004	3003	3004	-30.3161	-333.907	-1.48313	16.91681	-23.31	23350.46
3004_3004	3004	3004	30.32531	278.0991	0.543375	10.60106	23.31	-23351
3004_3005	3004	3005	-21.588	-231.539	-0.54338	-10.6011	-29.925	26411.59
3005_3005	3005	3005	21.588	231.5394	0.538125	-12.8218	29.925	-26411.6
3005_3006	3005	3006	-12.8454	-184.946	-0.53813	12.82181	-36.4823	28907.35
3006_3006	3006	3006	12.83231	128.2772	-0.1365	24.57	36.48225	-28907.8
3006_3007	3006	3007	-8.29106	-81.7254	0.1365	-24.57	-34.8167	30164.94
3007_3007	3007	3007	8.291063	81.72544	-0.147	-25.9901	34.81669	-30164.9
3007_3008	3007	3008	-3.74719	-35.1461	0.147	25.99013	-33.0356	30856.16
3008_3008	3008	3008	3.762938	-20.9081	0.858375	11.47913	33.03563	-30857
3008_3009	3008	3009	-3.61856	67.47956	-0.85838	-11.4791	-43.4792	30319.65
3009_3009	3009	3009	3.618563	-67.4796	0.854438	-12.4346	43.47919	-30319.7
3009_3010	3009	3010	-3.47419	114.0458	-0.85444	12.43463	-53.8676	29215.75
3010_3010	3010	3010	3.465	-170.628	-0.29269	21.13781	53.86763	-29216.2
3010_3011	3010	3011	-7.36838	217.1886	0.292688	-21.1378	-50.3134	26876.32
3011_3011	3011	3011	7.367063	-217.189	-0.30056	-21.1089	50.31338	-26876.3
3011_3012	3011	3012	-11.2691	263.7416	0.300563	21.10894	-46.6515	23970.57
3012_3012	3012	3012	11.2665	-319.258	0.059063	7.854	46.6515	-23971.1
3012_3013	3012	3013	-18.6782	365.8397	-0.05906	-7.854	-47.3721	19837.35
3013_3013	3013	3013	18.67819	-365.84	0.055125	-7.56656	47.37206	-19837.4
3013_3014	3013	3014	-26.0886	412.4164	-0.05513	7.566563	-48.0375	15137.16
3014_3014	3014	3014	26.09119	-466.691	0.265125	4.915313	48.0375	-15137.4
3014_3015	3014	3015	-35.469	529.6712	-0.26513	-4.91531	-52.4081	6984.446
3015_3015	3015	3015	33.54488	-528.164	0.224438	-4.04381	52.0695	-6923.52
3015_3016	3015	3016	-40.6311	557.6261	-0.22444	4.046438	-53.9162	2469.71
3016_3016	3016	3016	92.61788	-620.286	1.536938	-1.71413	61.96313	-2660.04
3016_3017	3016	3017	-106.961	662.4279	-1.53694	1.691813	-80.0349	-5113.15
3017_3017	3017	3017	126.0302	-659.386	1.529063	1.77975	80.30269	5110.093
3017_3018	3017	3018	-139.638	710.4431	-1.52906	-1.81781	-100.608	-14127.2
3018_3018	3018	3018	165.1519	-771.287	0.379313	-16.8538	99.20006	14127.76
3018_3019	3018	3019	-176.762	821.9229	-0.37931	16.91944	-103.954	-24023.8
3019_3019	3019	3019	199.3281	-817.466	0.370125	17.72531	107.8429	24024.84
3019_3020	3019	3020	-209.064	871.3648	-0.37013	-17.6518	-112.488	-34353
3020_3020	3020	3020	-3171.33	270.9341	-13.8167	-6.86831	334.5418	7164.336
3020_3021	3020	3021	3171.297	-236.079	13.81669	6.868313	-203.373	-4757.61
3021_3021	3021	3021	-3171.43	236.0794	-7.54031	2.544938	201.2758	4758.159
3021_3022	3021	3022	3171.41	-210.385	7.540313	-2.54494	-142.82	-3027.66
3022_3022	3022	3022	-3171.41	210.3846	-7.54031	2.544938	142.8197	3027.658
3022_3023	3022	3023	3171.394	-184.69	7.540313	-2.54494	-84.3636	-1496.36
3023_3023	3023	3023	-3171.44	123.1519	-11.8611	-0.46331	84.36356	1496.414
3023_3024	3023	3024	3171.055	-96.6302	11.86106	0.463313	10.54988	-615.598
3024_3024	3024	3024	-3171.06	96.63019	-11.8611	-0.46331	-10.5499	615.5979
3024_3025	3024	3025	3170.664	-70.1072	11.86106	0.463313	105.4633	52.97906
3025_3025	3025	3025	-3170.67	70.10719	-8.29894	-0.42	-105.463	-52.9791
3025_3026	3025	3026	3170.285	-43.6209	8.298938	0.42	171.7813	508.8379
3026_3026	3026	3026	-3170.26	-17.3237	-6.83813	-0.2835	-171.781	-508.943
3026_3027	3026	3027	3169.256	37.21463	6.838125	0.2835	212.814	349.2549
3027_3027	3027	3027	-3169.26	-37.2146	-1.54744	-0.72188	-212.814	-349.254
3027_3028	3027	3028	3168.256	57.10163	1.547438	0.721875	222.1026	70.25681
3028_3028	3028	3028	-3168.26	-57.1016	-1.54744	-0.72188	-222.103	-70.2568

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3028_3029	3028	3029	3167.249	76.98863	1.547438	0.721875	231.3911	-328.062
3029_3029	3029	3029	-3167.25	-76.9886	3.74325	-0.05644	-231.391	328.0633
3029_3030	3029	3030	3166.241	96.87169	-3.74325	0.056438	208.9356	-845.61
3030_3030	3030	3030	-3166.25	-158.331	2.245688	-3.69863	-208.936	845.5532
3030_3031	3030	3031	3163.941	184.8774	-2.24569	3.698625	190.9464	-2210.8
3031_3031	3031	3031	-3163.94	-184.877	5.82225	-1.15894	-190.946	2210.8
3031_3032	3031	3032	3161.634	211.386	-5.82225	1.158938	144.3816	-3786.35
3032_3032	3032	3032	-3161.62	-211.386	9.792563	3.604125	-144.382	3786.35
3032_3033	3032	3033	3159.323	237.8933	-9.79256	-3.60413	66.07125	-5573.7
3033_3033	3033	3033	-3159.33	-301.863	5.66475	-12.8048	-66.0713	5573.875
3033_3034	3033	3034	3156.486	327.5383	-5.66475	12.80475	22.19438	-8000.34
3034_3034	3034	3034	-3156.45	-327.538	14.25244	8.760938	-22.1944	8000.342
3034_3035	3034	3035	3153.611	353.2397	-14.2524	-8.76094	-88.3234	-10628.5
3035_3035	3035	3035	-3154.98	-353.255	12.54356	2.749688	89.44031	10635.15
3035_3036	3035	3036	3151.65	388.1417	-12.5436	-2.74969	-208.639	-14427.4
3036_3036	3036	3036	216.3486	725.8335	0.779625	-16.0729	-16.2173	44110.9
3036_3037	3036	3037	-210.734	-671.933	-0.77963	16.11225	6.411563	-35186.7
3037_3037	3037	3037	192.1277	676.3916	0.752063	13.85869	-9.513	35185.63
3037_3038	3037	3038	-185.93	-625.719	-0.75206	-13.8233	0.074813	-26897.6
3038_3038	3038	3038	164.9904	573.0624	-0.21656	-5.65556	1.50675	26898.13
3038_3039	3038	3039	-158.542	-521.988	0.216563	5.651625	1.367625	-19719.8
3039_3039	3039	3039	859.7295	515.9779	-0.63263	4.060875	12.684	15761.16
3039_3040	3039	3040	-864.158	-473.987	0.632625	-4.07269	-5.24869	-10003.9
3040_3040	3040	3040	853.5345	410.1878	0.384563	0.816375	5.416688	10005.66
3040_3041	3040	3041	-827.596	-381.262	-0.38456	-0.82425	-8.59425	-6902.21
3041_3041	3041	3041	940.4535	384.7646	0.15225	-0.93188	10.353	6296.633
3041_3042	3041	3042	-837.909	-334.468	-0.15225	0.931875	-12.789	-645.565
3042_3042	3042	3042	837.9144	274.8139	0.022313	3.15	12.789	645.603
3042_3043	3042	3043	-765.731	-237.265	-0.02231	-3.15	-13.0502	2088.672
3043_3043	3043	3043	765.7296	237.2646	-0.01444	-3.70519	13.05019	-2088.67
3043_3044	3043	3044	-693.551	-199.718	0.014438	3.705188	-12.8835	4373.948
3044_3044	3044	3044	693.5709	147.126	0.13125	8.906625	12.8835	-4374.05
3044_3045	3044	3045	-624.417	-109.581	-0.13125	-8.90663	-14.4546	5593.375
3045_3045	3045	3045	624.4166	109.5806	0.056438	-9.0405	14.45456	-5593.38
3045_3046	3045	3046	-555.215	-72.0103	-0.05644	9.0405	-15.1344	6364.361
3046_3046	3046	3046	555.2243	19.03125	-0.0735	0.484313	15.13444	-6364.48
3046_3047	3046	3047	-489.761	18.50231	0.0735	-0.48431	-14.2603	6067.598
3047_3047	3047	3047	489.7607	-18.5023	-0.07613	-0.15094	14.26031	-6067.6
3047_3048	3047	3048	-424.242	56.06738	0.076125	0.150938	-13.3508	5321.428
3048_3048	3048	3048	424.2525	-109.526	0.035438	0.190313	13.35075	-5321.55
3048_3049	3048	3049	-362.056	147.0827	-0.03544	-0.19031	-13.7708	3500.343
3049_3049	3049	3049	362.0558	-147.083	0.038063	0.552563	13.77075	-3500.34
3049_3050	3049	3050	-299.91	184.6097	-0.03806	-0.55256	-14.2236	1232.171
3050_3050	3050	3050	299.9036	-239.882	-0.315	0.144375	14.22356	-1232.18
3050_3051	3050	3051	-219.327	290.1294	0.315	-0.14438	-9.18225	-3820.35
3051_3051	3051	3051	218.2556	-287.86	-0.33994	1.55925	9.011625	3845.948
3051_3052	3051	3052	-179.24	314.6509	0.339938	-1.56056	-6.20419	-6438.16
3052_3052	3052	3052	188.3018	-373.954	0.938438	-2.07769	6.120188	6439.321
3052_3053	3052	3053	-142.018	412.6356	-0.93844	2.076375	-17.1557	-11273.4
3053_3053	3053	3053	138.1196	-409.041	0.758625	5.425875	23.58431	11360.57
3053_3054	3053	3054	-113.45	458.5639	-0.75863	-5.42063	-33.6538	-17477.4
3054_3054	3054	3054	131.9443	-514.273	0.930563	-18.7176	31.70606	17480.45
3054_3055	3054	3055	-125.32	563.1465	-0.93056	18.75563	-43.3755	-24098.1
3055_3055	3055	3055	141.0898	-557.831	0.861	21.44363	47.72381	24102.26
3055_3056	3055	3056	-145.945	609.5578	-0.861	-21.4016	-58.5546	-31298.3
3056_3056	3056	3056	-2588.89	353.682	-10.1693	-5.1135	190.554	9903.444
3056_3057	3056	3057	2600.977	-319.879	10.16925	5.1135	-93.9278	-6758.49
3057_3057	3057	3057	-2603.08	319.8773	-6.52969	4.595063	94.67588	6719.017

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3057_3058	3057	3058	2613.001	-292.92	6.529688	-4.59506	-44.0869	-4390.36
3058_3058	3058	3058	-2613	292.9198	-6.52969	4.595063	44.08688	4390.357
3058_3059	3058	3059	2622.925	-265.964	6.529688	-4.59506	6.502125	-2270.54
3059_3059	3059	3059	-2622.96	205.8604	-10.3924	-0.75863	-6.50213	2270.58
3059_3060	3059	3060	2632.613	-177.999	10.39238	0.758625	89.71725	-777.894
3060_3060	3060	3060	-2632.62	177.9986	-7.07569	1.30725	-89.7173	777.8912
3060_3061	3060	3061	2642.267	-150.174	7.075688	-1.30725	146.3031	490.1531
3061_3061	3061	3061	-2642.27	150.1736	-7.07569	1.30725	-146.303	-490.153
3061_3062	3061	3062	2651.912	-122.349	7.075688	-1.30725	202.8876	1535.683
3062_3062	3062	3062	-2651.9	64.113	-0.04069	0.83475	-202.888	-1535.76
3062_3063	3062	3063	2658.47	-43.2285	0.040688	-0.83475	203.1291	1827.417
3063_3063	3063	3063	-2658.47	43.2285	-0.04069	0.83475	-203.129	-1827.42
3063_3064	3063	3064	2665.042	-22.3453	0.040688	-0.83475	203.3693	1993.728
3064_3064	3064	3064	-2665.04	22.34531	-0.04069	0.83475	-203.369	-1993.73
3064_3065	3064	3065	2671.615	-1.46081	0.040688	-0.83475	203.6108	2034.694
3065_3065	3065	3065	-2671.61	1.460813	4.400813	-0.08138	-203.611	-2034.7
3065_3066	3065	3066	2678.171	19.38563	-4.40081	0.081375	177.2439	1950.576
3066_3066	3066	3066	-2678.17	-77.8313	6.319688	-0.62213	-177.244	-1950.7
3066_3067	3066	3067	2685.992	-105.6838	-6.31969	0.622125	126.6576	1179.31
3067_3067	3067	3067	-2685.99	-105.684	6.319688	-0.62213	-126.658	-1179.31
3067_3068	3067	3068	2693.818	133.5364	-6.31969	0.622125	76.0725	184.9562
3068_3068	3068	3068	-2693.79	-133.536	13.21031	3.096188	-76.0725	-184.96
3068_3069	3068	3069	2701.609	161.3509	-13.2103	-3.09619	-29.5273	-1030.5
3069_3069	3069	3069	-2701.64	-219.745	6.448313	-7.31194	29.52731	1030.516
3069_3070	3069	3070	2709.159	246.7238	-6.44831	7.311938	-79.5283	-2874.66
3070_3070	3070	3070	-2709.14	-246.724	9.900188	-1.50413	79.52831	2874.664
3070_3071	3070	3071	2716.653	273.6654	-9.90019	1.504125	-156.189	-4925.05
3071_3071	3071	3071	-2712.56	-273.663	13.71825	7.889438	159.1341	4956.903
3071_3072	3071	3072	2721.546	307.4781	-13.7183	-7.88944	-289.528	-7761.75
3072_3072	3072	3072	87.86138	660.1101	-0.31631	-8.83444	45.52931	28666.97
3072_3073	3072	3073	-44.8888	-608.9	0.316313	8.886938	-41.5564	-20791
3073_3073	3073	3073	27.96675	614.2119	-0.34781	9.998625	39.45244	20788.42
3073_3074	3073	3074	16.71731	-565.971	0.347813	-9.95138	-35.0936	-13478.7
3074_3074	3074	3074	-35.9796	516.1485	-0.66675	0.547313	35.89294	13477.62
3074_3075	3074	3075	74.41875	-467.195	0.66675	-0.54206	-27.0349	-7005.64
3075_3075	3075	3075	579.9308	462.6156	-1.21144	-0.04069	19.61794	3417.503
3075_3076	3075	3076	-579.834	-425.253	1.211438	0.032813	-5.36681	1726.049
3076_3076	3076	3076	570.1973	367.0419	0.84525	9.1455	5.256563	-1725.05
3076_3077	3076	3077	-556.024	-341.249	-0.84525	-9.14681	-12.2194	4562.262
3077_3077	3077	3077	512.9342	344.6874	0.794063	-8.67431	13.76681	-4519.04
3077_3078	3077	3078	-472.74	-296.405	-0.79406	8.674313	-25.3155	8994.107
3078_3078	3078	3078	472.7376	245.0569	-0.19556	-0.20081	25.3155	-8994.31
3078_3079	3078	3079	-443.252	-207.777	0.195563	0.200813	-23.1223	11399.07
3079_3079	3079	3079	443.2523	207.7766	-0.19556	-0.20081	23.12231	-11399.1
3079_3080	3079	3080	-413.767	-170.496	0.195563	0.200813	-20.9291	13385.06
3080_3080	3080	3080	413.7669	123.6401	-0.22444	7.162313	20.92913	-13385.3
3080_3081	3080	3081	-387.122	-86.3297	0.224438	-7.16231	-18.4052	14438.91
3081_3081	3081	3081	387.1219	86.32969	-0.25594	-7.27388	18.40519	-14438.9
3081_3082	3081	3082	-360.5	-49.0547	0.255938	7.273875	-15.5308	15072.72
3082_3082	3082	3082	360.5031	-1.3545	0.013125	7.326375	15.53081	-15073
3082_3083	3082	3083	-335.215	41.41725	-0.01313	-7.32638	-15.6936	14693.02
3083_3083	3083	3083	335.2151	-41.4173	-0.01838	-7.03106	15.69356	-14693
3083_3084	3083	3084	-309.906	81.5115	0.018375	7.031063	-15.4704	13828.57
3084_3084	3084	3084	309.9101	-131.975	-0.01444	6.5835	15.47044	-13828.8
3084_3085	3084	3085	-289.49	169.2443	0.014438	-6.5835	-15.3038	12037.39
3085_3085	3085	3085	289.4903	-169.244	-0.04856	-5.79863	15.30375	-12037.4
3085_3086	3085	3086	-269.052	206.5442	0.048563	5.798625	-14.7512	9825.391
3086_3086	3086	3086	269.0559	-255.056	-0.21	3.70125	14.75119	-9825.61

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3086_3087	3086	3087	-251.58	292.3541	0.21	-3.70125	-12.3979	6662.016
3087_3087	3087	3087	251.5787	-292.354	-0.2415	-2.66306	12.39788	-6662.02
3087_3088	3087	3088	-234.119	329.6186	0.2415	2.663063	-9.6915	3082.736
3088_3088	3088	3088	234.1185	-378.795	-0.24413	-0.38981	9.6915	-3082.77
3088_3089	3088	3089	-214.785	425.2238	0.244125	0.389813	-6.28294	-2640.13
3089_3089	3089	3089	218.862	-422.927	-0.26644	1.64325	6.34725	2706.838
3089_3090	3089	3090	-207.328	450.2636	0.266438	-1.64456	-4.14619	-6559.23
3090_3090	3090	3090	218.9001	-503.476	0.023625	-5.92069	3.936188	6560.076
3090_3091	3090	3091	-206.501	542.8093	-0.02363	5.908875	-4.20919	-12842.2
3091_3091	3091	3091	206.6728	-537.765	-0.23888	5.73825	7.455	12926.69
3091_3092	3091	3092	-200.887	586.3856	0.238875	-5.75006	-4.29319	-20390.6
3092_3092	3092	3092	222.7168	-641.05	1.172063	-10.7218	2.995125	20393.1
3092_3093	3092	3093	-223.748	689.1609	-1.17206	10.752	-17.703	-28861.1
3093_3093	3093	3093	242.8545	-682.467	1.141875	11.676	20.08388	28864.76
3093_3094	3093	3094	-247.902	733.4775	-1.14188	-11.6419	-34.4453	-37883.6
3094_3094	3094	3094	-2929.17	313.8962	-5.41275	-10.1798	14.41125	10750.03
3094_3095	3094	3095	2935.347	-280.67	5.41275	10.17975	37.03613	-7845.47
3095_3095	3095	3095	-2937.8	280.6847	1.08675	7.267313	-37.0243	7857.374
3095_3096	3095	3096	2942.592	-254.391	-1.08675	-7.26731	28.60988	-5807.05
3096_3096	3096	3096	-2942.59	254.3914	1.200938	7.498313	-28.6099	5807.049
3096_3097	3096	3097	2947.392	-228.065	-1.20094	-7.49831	19.299	-3958.06
3097_3097	3097	3097	-2947.42	170.4636	-3.70913	-2.84681	-19.299	3958.126
3097_3098	3097	3098	2951.936	-143.288	3.709125	2.846813	48.97988	-2722.83
3098_3098	3098	3098	-2951.94	143.2883	0.074813	1.239	-48.9799	2722.834
3098_3099	3098	3099	2956.45	-116.148	-0.07481	-1.239	48.38269	-1706.19
3099_3099	3099	3099	-2956.45	116.1484	0.177188	1.31775	-48.3827	1706.191
3099_3100	3099	3100	2960.969	-88.9744	-0.17719	-1.31775	46.9665	-905.607
3100_3100	3100	3100	-2960.91	32.53425	11.48175	6.029625	-46.9665	905.5725
3100_3101	3100	3101	2963.678	-12.1551	-11.4818	-6.02963	-21.945	-784.123
3101_3101	3101	3101	-2963.68	12.15506	11.48175	6.029625	21.945	784.1229
3101_3102	3101	3102	2966.447	8.225438	-11.4818	-6.02963	-90.8565	-784.991
3102_3102	3102	3102	-2966.44	-8.22544	-14.5911	-7.67156	90.8565	784.9879
3102_3103	3102	3103	2969.201	28.57575	14.59106	7.671563	-3.40463	-907.911
3103_3103	3103	3103	-2969.22	-28.5758	-9.24	-4.57275	3.404625	907.9193
3103_3104	3103	3104	2971.991	48.96019	9.24	4.57275	52.06163	-1153.31
3104_3104	3104	3104	-2971.99	-105.49	-1.96088	-2.562	-52.0616	1153.31
3104_3105	3104	3105	2974.817	132.6675	1.960875	2.562	67.75388	-2119.82
3105_3105	3105	3105	-2974.82	-132.668	1.807313	1.20225	-67.7539	2119.821
3105_3106	3105	3106	2977.645	159.81	-1.80731	-1.20225	53.30719	-3302.2
3106_3106	3106	3106	-2977.65	-159.81	1.924125	1.365	-53.3072	3302.2
3106_3107	3106	3107	2980.476	186.9866	-1.92413	-1.365	37.90763	-4703.43
3107_3107	3107	3107	-2980.48	-243.878	1.122188	-4.40081	-37.9076	4703.507
3107_3108	3107	3108	2982.925	270.2044	-1.12219	4.400813	29.20575	-6708.28
3108_3108	3108	3108	-2982.93	-270.204	1.008	-4.68825	-29.2058	6708.283
3108_3109	3108	3109	2985.368	296.4977	-1.008	4.68825	21.39638	-8914.19
3109_3109	3109	3109	-2985.92	-296.5	4.224938	6.02175	-22.5894	8916.954
3109_3110	3109	3110	2989.053	329.7236	-4.22494	-6.02175	-17.5626	-12026.9
3110_3110	3110	3110	230.2676	711.228	-0.93975	-26.9233	39.37763	39452.74
3110_3111	3110	3111	-208.355	-660.436	0.93975	26.97844	-27.5651	-30804.3
3111_3111	3111	3111	189.9621	667.3669	-1.02506	25.50975	22.04213	30801.64
3111_3112	3111	3112	-166.113	-619.521	1.025063	-25.4625	-9.17306	-22933.8
3112_3112	3112	3112	145.4421	572.0072	-0.02363	-4.38113	11.69044	22932.82
3112_3113	3112	3113	-123.05	-523.604	0.023625	4.361438	-11.3702	-15716.3
3113_3113	3113	3113	695.8363	522.0823	-0.45938	4.4835	22.19831	12465.01
3113_3114	3113	3114	-695.739	-483.003	0.459375	-4.50056	-16.8013	-6612.16
3114_3114	3114	3114	684.8363	426.5048	-0.18244	-0.18638	16.92338	6613.381
3114_3115	3114	3115	-665.056	-399.476	0.182438	0.182438	-15.4193	-3300.15
3115_3115	3115	3115	738.7052	402.9939	-0.21263	-0.32813	15.40219	2647.627

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3115_3116	3115	3116	-671.65	-358.176	0.212625	0.328125	-12.3231	2801.54
3116_3116	3116	3116	671.6443	306.9636	-0.05906	9.152063	12.32306	-2801.54
3116_3117	3116	3117	-622.647	-272.224	0.059063	-9.15206	-11.6537	5829.129
3117_3117	3117	3117	622.6474	272.2243	-0.14963	-9.59306	11.65369	-5829.13
3117_3118	3117	3118	-573.695	-237.517	0.149625	9.593063	-9.97763	8463.932
3118_3118	3118	3118	573.7016	191.8179	-0.01444	12.40969	9.977625	-8463.98
3118_3119	3118	3119	-527.477	-157.11	0.014438	-12.4097	-9.82275	10206.99
3119_3119	3119	3119	527.4767	157.1102	-0.10369	-12.5265	9.82275	-10207
3119_3120	3119	3120	-481.253	-122.404	0.103688	12.5265	-8.652	11560.15
3120_3120	3120	3120	481.2452	73.395	-0.23494	6.222563	8.652	-11560.1
3120_3121	3120	3121	-435.43	-36.0924	0.234938	-6.22256	-5.81831	12004.66
3121_3121	3121	3121	435.4298	36.09244	-0.27694	-6.03356	5.818313	-12004.7
3121_3122	3121	3122	-389.613	1.208813	0.276938	6.033563	-2.478	11998.95
3122_3122	3122	3122	389.613	-50.8633	-0.13256	6.034875	2.478	-11998.9
3122_3123	3122	3123	-350.716	85.56844	0.132563	-6.03488	-0.98569	11047.48
3123_3123	3123	3123	350.7158	-85.5684	-0.1785	-5.54663	0.985688	-11047.5
3123_3124	3123	3124	-311.783	120.3051	0.1785	5.546625	1.019813	9704.894
3124_3124	3124	3124	311.7844	-169.021	-0.2835	7.78575	-1.01981	-9704.9
3124_3125	3124	3125	-276.8	203.7263	0.2835	-7.78575	4.202625	7443.252
3125_3125	3125	3125	276.7997	-203.726	-0.37406	-7.1295	-4.20263	-7443.25
3125_3126	3125	3126	-241.816	238.4301	0.374063	7.1295	8.401313	4791.902
3126_3126	3126	3126	241.8071	-288.6	-0.08138	0.38325	-8.40131	-4791.91
3126_3127	3126	3127	-202.134	331.2763	0.081375	-0.38325	9.5235	337.1889
3127_3127	3127	3127	207.0377	-328.814	-0.13519	0.175875	-9.47756	-280.48
3127_3128	3127	3128	-182.798	353.6689	0.135188	-0.17588	10.59581	-2826.79
3128_3128	3128	3128	192.5503	-411.725	-0.462	-6.36956	-10.8137	2827.703
3128_3129	3128	3129	-168.66	447.5664	0.462	6.356438	16.24219	-8330.22
3129_3129	3129	3129	173.6516	-441.361	0.233625	12.42806	-14.9822	8376.16
3129_3130	3129	3130	-166.892	488.3576	-0.23363	-12.4858	11.88206	-14595.5
3130_3130	3130	3130	186.0508	-542.27	-0.04988	-7.25156	-13.3245	14598.46
3130_3131	3130	3131	-190.746	588.7389	0.049875	7.434	13.97156	-21973.3
3131_3131	3131	3131	211.8572	-579.147	-0.08794	9.112688	-12.1984	21979.18
3131_3132	3131	3132	-223.457	625.2606	0.087938	-8.91056	13.25363	-29322.9
3132_3132	3132	3132	-2571.48	286.671	33.17213	19.57594	-403.934	7687.052
3132_3133	3132	3133	2575.18	-251.849	-33.1721	-19.5759	62.26238	-4707.7
3133_3133	3133	3133	-2585.27	251.8464	29.69531	12.83494	-62.9659	4756.815
3133_3134	3133	3134	2588.495	-227.892	-29.6953	-12.8349	-167.171	-2913.47
3134_3134	3134	3134	-2588.56	227.892	-2.74313	-30.282	167.1705	2913.367
3134_3135	3134	3135	2591.8	-203.843	2.743125	30.282	-145.829	-1249.48
3135_3135	3135	3135	-2592.06	150.6422	-3.29175	-0.23231	145.8293	1250.03
3135_3136	3135	3136	2596.288	-125.912	3.29175	0.232313	-119.497	-163.32
3136_3136	3136	3136	-2596.29	125.9121	-3.29175	-0.23231	119.4966	163.3196
3136_3137	3136	3137	2600.518	-101.182	3.29175	0.232313	-93.1652	725.5264
3137_3137	3137	3137	-2600.52	101.1819	0.16275	0.119438	93.16519	-725.526
3137_3138	3137	3138	2604.743	-76.4833	-0.16275	-0.11944	-94.4619	1415.756
3138_3138	3138	3138	-2604.71	22.98056	-4.16325	0.149625	94.46194	-1415.87
3138_3139	3138	3139	2607.112	-4.43231	4.16325	-0.14963	-69.4772	1486.379
3139_3139	3139	3139	-2607.11	4.432313	-4.16325	0.149625	69.47719	-1486.38
3139_3140	3139	3140	2609.515	14.11463	4.16325	-0.14963	-44.4911	1445.59
3140_3140	3140	3140	-2609.52	-14.1146	0.510563	-0.30581	44.49113	-1445.59
3140_3141	3140	3141	2611.921	32.66156	-0.51056	0.305813	-47.5584	1293.507
3141_3141	3141	3141	-2611.92	-32.6616	-4.16325	-0.18244	47.55844	-1293.51
3141_3142	3141	3142	2614.322	51.20981	4.16325	0.182438	-22.5724	1030.12
3142_3142	3142	3142	-2614.32	-106.289	-2.98856	-0.04331	22.57238	-1030.21
3142_3143	3142	3143	2616.414	131.019	2.988563	0.043313	1.337438	69.60713
3143_3143	3143	3143	-2616.41	-131.019	0.518438	1.5225	-1.33744	-69.6071
3143_3144	3143	3144	2618.504	155.7478	-0.51844	-1.5225	-2.80613	-1088.84
3144_3144	3144	3144	-2618.5	-155.748	-2.98856	-1.56188	2.806125	1088.838

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3144_3145	3144	3145	2620.591	180.4779	2.988563	1.561875	21.10369	-2445.17
3145_3145	3145	3145	-2620.61	-238.224	-2.99513	2.361188	-21.1037	2445.186
3145_3146	3145	3146	2622.382	262.1811	2.995125	-2.36119	44.31656	-4394.58
3146_3146	3146	3146	-2622.38	-262.181	-6.61369	-5.23163	-44.3166	4394.576
3146_3147	3146	3147	2624.156	286.1381	6.613688	5.231625	95.58281	-6529.7
3147_3147	3147	3147	-2607.62	-286.143	-3.83906	2.800875	-95.3663	6449.03
3147_3148	3147	3148	2609.375	318.2642	3.839063	-2.80088	131.8433	-9330.57
3148_3148	3148	3148	224.0123	607.8398	-0.18769	-0.55125	-5.03606	31239.85
3148_3149	3148	3149	-195.24	-558.706	0.187688	0.580125	7.393313	-23958.5
3149_3149	3149	3149	179.5776	566.8399	-0.189	-0.03413	-7.44056	23955.29
3149_3150	3149	3150	-149.882	-520.631	0.189	0.060375	9.805688	-17182.6
3150_3150	3150	3150	131.7264	471.9133	-1.21406	-0.27825	-9.77681	17180.64
3150_3151	3150	3151	-107.033	-425.169	1.214063	0.255938	25.89431	-11251.3
3151_3151	3151	3151	799.5776	422.4137	-0.27563	-0.35963	-9.17831	7464.35
3151_3152	3151	3152	-793.423	-385.473	0.275625	0.366188	12.41494	-2847.04
3152_3152	3152	3152	784.5639	326.2731	0.368813	-1.13925	-12.4084	2847.958
3152_3153	3152	3153	-759.088	-300.78	-0.36881	1.134	9.367313	-395.7
3153_3153	3153	3153	800.7208	305.2809	0.349125	0.192938	-9.01425	176.4604
3153_3154	3153	3154	-728.738	-264.128	-0.34913	-0.19294	4.214438	3424.763
3154_3154	3154	3154	728.7604	209.1574	0.137813	4.224938	-4.21444	-3424.76
3154_3155	3154	3155	-675.381	-176.211	-0.13781	-4.22494	2.694563	5313.23
3155_3155	3155	3155	675.381	176.211	0.0735	-4.431	-2.69456	-5313.23
3155_3156	3155	3156	-622.003	-143.265	-0.0735	4.431	1.8795	6839.222
3156_3156	3156	3156	621.9951	96.39263	0.223125	0.021	-1.8795	-6839.24
3156_3157	3156	3157	-575.821	-66.4112	-0.22313	-0.021	-0.35438	7453.035
3157_3157	3157	3157	575.8213	66.41119	0.223125	0.021	0.354375	-7453.04
3157_3158	3157	3158	-529.646	-36.4311	-0.22313	-0.021	-2.58825	7766.685
3158_3158	3158	3158	529.6463	-7.24369	0.009188	0.223125	2.58825	-7766.67
3158_3159	3158	3159	-486.535	37.22381	-0.00919	-0.22313	-2.68406	7355.157
3159_3159	3159	3159	486.5346	-37.2238	0.007875	0.06825	2.684063	-7355.16
3159_3160	3159	3160	-443.38	67.23544	-0.00788	-0.06825	-2.76806	6642.639
3160_3160	3160	3160	443.3874	-116.013	0.035438	3.206438	2.768063	-6642.66
3160_3161	3160	3161	-399.684	148.9294	-0.03544	-3.20644	-3.15394	4993.804
3161_3161	3161	3161	399.6838	-148.929	-0.03019	-2.75494	3.153938	-4993.8
3161_3162	3161	3162	-355.941	181.8744	0.030188	2.754938	-2.82188	2981.189
3162_3162	3162	3162	355.9356	-234.457	0.165375	0.396375	2.821875	-2981.17
3162_3163	3162	3163	-304.23	275.6394	-0.16538	-0.39638	-5.10431	-763.585
3163_3163	3163	3163	309.5019	-272.147	0.23625	-0.04463	5.043938	754.0685
3163_3164	3163	3164	-279.566	297.6658	-0.23625	0.044625	-6.99169	-3263.53
3164_3164	3164	3164	288.2158	-356.621	-0.12469	2.244375	7.069125	3264.207
3164_3165	3164	3165	-254.54	393.4809	0.124688	-2.26013	-5.59913	-7896.51
3165_3165	3165	3165	243.2364	-385.288	-0.44625	-2.65519	4.053	8020.885
3165_3166	3165	3166	-223.565	432.8822	0.44625	2.64075	1.865063	-13678.2
3166_3166	3166	3166	241.9712	-493.228	0.413438	-0.01444	-1.70888	13681.19
3166_3167	3166	3167	-239.105	540.1974	-0.41344	0.040688	-3.4755	-20362.2
3167_3167	3167	3167	254.2024	-530.684	0.413438	-0.12206	3.474188	20366.82
3167_3168	3167	3168	-261.499	580.503	-0.41344	0.150938	-8.67169	-27268.1
3168_3168	3168	3168	-2421.38	321.8434	-2.97544	-5.07806	22.99369	7849.825
3168_3169	3168	3169	2430.205	-289.282	2.975438	5.078063	5.278875	-4984.62
3169_3169	3169	3169	-2438.67	289.2619	0.778313	2.701125	-6.06113	5025.922
3169_3170	3169	3170	2446.403	-264.643	-0.77831	-2.70113	0.02625	-2912.76
3170_3170	3170	3170	-2446.4	264.6433	0.778313	2.701125	-0.02625	2912.756
3170_3171	3170	3171	2454.135	-240.026	-0.77831	-2.70113	-6.00863	-990.401
3171_3171	3171	3171	-2454.21	178.08	-0.50138	-0.04725	6.008625	990.5136
3171_3172	3171	3172	2461.86	-152.699	0.501375	0.04725	-2.00681	297.8916
3172_3172	3172	3172	-2461.86	152.6989	-0.44625	-0.03544	2.006813	-297.892
3172_3173	3172	3173	2469.517	-127.288	0.44625	0.035438	1.55925	1384.711
3173_3173	3173	3173	-2469.52	127.2876	-0.44625	-0.03544	-1.55925	-1384.71

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3173_3174	3173	3174	2477.176	-101.875	0.44625	0.035438	5.126625	2268.207
3174_3174	3174	3174	-2477.17	43.67344	2.438625	-1.09331	-5.12663	-2268.31
3174_3175	3174	3175	2482.233	-24.6146	-2.43863	1.093313	-9.50381	2450.88
3175_3175	3175	3175	-2482.23	24.61463	-2.07244	1.193063	9.503813	-2450.88
3175_3176	3175	3176	2487.299	-5.5545	2.072438	-1.19306	2.932125	2519.087
3176_3176	3176	3176	-2487.3	5.5545	2.438625	-1.11431	-2.93213	-2519.09
3176_3177	3176	3177	2492.364	13.50431	-2.43863	1.114313	-11.6983	2472.926
3177_3177	3177	3177	-2492.36	-13.5043	-2.07244	1.02375	11.69831	-2472.93
3177_3178	3177	3178	2497.43	32.56313	2.072438	-1.02375	0.737625	2312.394
3178_3178	3178	3178	-2497.43	-91.371	-0.54338	-0.38456	-0.73763	-2312.42
3178_3179	3178	3179	2503.151	116.7836	0.543375	0.384563	5.089875	1454.01
3179_3179	3179	3179	-2503.15	-116.784	-0.54338	-0.38456	-5.08988	-1454.01
3179_3180	3179	3180	2508.875	142.1949	0.543375	0.384563	9.443438	392.2774
3180_3180	3180	3180	-2508.87	-142.195	2.838938	0.854438	-9.44344	-392.277
3180_3181	3180	3181	2514.598	167.6076	-2.83894	-0.85444	-13.2707	-872.752
3181_3181	3181	3181	-2514.66	-229.038	-2.89931	-3.36394	13.27069	872.8952
3181_3182	3181	3182	2520.235	253.6249	2.899313	3.363938	9.169125	-2766.22
3182_3182	3182	3182	-2520.23	-253.625	0.652313	2.260125	-9.16913	2766.218
3182_3183	3182	3183	2525.809	278.2421	-0.65231	-2.26013	4.118625	-4852.64
3183_3183	3183	3183	-2509.53	-278.237	-0.11681	0.397688	-3.35738	4773.178
3183_3184	3183	3184	2515.951	310.7974	0.116813	-0.39769	4.470375	-7752.35
3184_3184	3184	3184	210.4843	594.6413	-0.41213	-0.14306	1.540875	27416.64
3184_3185	3184	3185	-173.774	-545.21	0.412125	0.182438	3.63825	-20329.5
3185_3185	3185	3185	158.4437	554.7308	-0.41213	-0.10369	-3.6435	20325.8
3185_3186	3185	3186	-122.299	-508.225	0.412125	0.139125	8.806875	-13615.8
3186_3186	3186	3186	104.0589	455.3771	-0.17194	-0.67725	-8.76094	13613.7
3186_3187	3186	3187	-76.4046	-408.21	0.171938	0.665438	11.04206	-7943.88
3187_3187	3187	3187	735.1352	407.5103	-0.23888	-0.19556	-0.10369	4051.871
3187_3188	3187	3188	-732.995	-368.977	0.238875	0.189	2.912438	776.7673
3188_3188	3188	3188	724.4121	305.4266	0.175875	-1.67738	-2.898	-775.397
3188_3189	3188	3189	-705.364	-278.779	-0.17588	1.676063	1.446375	3023.352
3189_3189	3189	3189	729.1659	283.6208	0.185063	0.483	-1.344	-3019.39
3189_3190	3189	3190	-673.586	-238.686	-0.18506	-0.483	-1.19438	6370.874
3190_3190	3190	3190	673.596	181.9834	0.063	-0.31106	1.194375	-6370.91
3190_3191	3190	3191	-631.626	-146.01	-0.063	0.311063	-1.88606	7995.024
3191_3191	3191	3191	631.6262	146.0104	0.063	-0.31106	1.886063	-7995.02
3191_3192	3191	3192	-589.656	-110.036	-0.063	0.311063	-2.57906	9223.373
3192_3192	3192	3192	589.6498	58.63725	0.175875	-0.13125	2.579063	-9223.31
3192_3193	3192	3193	-554.114	-25.7053	-0.17588	0.13125	-4.35488	9494.248
3193_3193	3193	3193	554.1139	25.70531	0.175875	-0.13125	4.354875	-9494.25
3193_3194	3193	3194	-518.578	7.226625	-0.17588	0.13125	-6.132	9433.516
3194_3194	3194	3194	518.6042	-54.4268	-0.22575	0.081375	6.132	-9433.55
3194_3195	3194	3195	-485.903	87.35869	0.22575	-0.08138	-3.85481	8576.638
3195_3195	3195	3195	485.9033	-87.3587	-0.22575	0.081375	3.854813	-8576.64
3195_3196	3195	3196	-453.202	120.2906	0.22575	-0.08138	-1.57631	7388.06
3196_3196	3196	3196	453.1695	-171.272	0.056438	-2.79563	1.576313	-7388.03
3196_3197	3196	3197	-420.335	207.2123	-0.05644	2.795625	-2.19844	5162.946
3197_3197	3197	3197	420.3347	-207.212	0.111563	3.2655	2.198438	-5162.95
3197_3198	3197	3198	-387.471	243.1866	-0.11156	-3.2655	-3.42694	2540.232
3198_3198	3198	3198	387.4854	-297.797	0.019688	0.265125	3.426938	-2540.27
3198_3199	3198	3199	-348.595	342.7633	-0.01969	-0.26513	-3.69994	-2099.03
3199_3199	3199	3199	352.1464	-338.79	0.003938	0.557813	3.577875	1999.076
3199_3200	3199	3200	-327.923	366.6272	-0.00394	-0.55781	-3.60938	-5118.67
3200_3200	3200	3200	338.2234	-425.476	0.788813	-0.76913	3.579188	5119.906
3200_3201	3200	3201	-309.939	465.6068	-0.78881	0.757313	-12.8454	-10675.1
3201_3201	3201	3201	310.2159	-455.84	0.410813	2.096063	15.36019	10756.7
3201_3202	3201	3202	-297.545	509.1634	-0.41081	-2.1105	-20.8189	-17316.7
3202_3202	3202	3202	318.0411	-566.608	0.8505	0.695625	20.79525	17320.83

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3202_3203	3202	3203	-316.835	619.0223	-0.8505	-0.651	-31.4685	-24769.5
3203_3203	3203	3203	334.0772	-608.202	0.8505	-0.18769	31.47375	24775.41
3203_3204	3203	3204	-340.382	663.4727	-0.8505	0.238875	-42.1759	-32950.7
3204_3204	3204	3204	-2670.67	356.5551	1.743	2.962313	17.241	10081.34
3204_3205	3204	3205	2678.066	-319.98	-1.743	-2.96231	-33.8008	-6801.05
3205_3205	3205	3205	-2679.89	319.9678	-1.23638	-4.32731	34.85213	6481.632
3205_3206	3205	3206	2686.39	-292.075	1.236375	4.327313	-25.2656	-4138.35
3206_3206	3206	3206	-2686.39	292.0746	2.676188	1.960875	25.26563	4138.351
3206_3207	3206	3207	2692.886	-264.181	-2.67619	-1.96088	-46.0084	-2011.32
3207_3207	3207	3207	-2692.79	197.358	-6.45881	-0.11288	46.00838	2011.405
3207_3208	3207	3208	2699.143	-168.564	6.458813	0.112875	5.663438	-575.764
3208_3208	3208	3208	-2699.14	168.5644	-6.51919	-0.14306	-5.66344	575.7636
3208_3209	3208	3209	2705.493	-139.808	6.519188	0.143063	57.76444	628.1402
3209_3209	3209	3209	-2705.5	139.8075	-2.66831	0.342563	-57.7644	-628.143
3209_3210	3209	3210	2711.856	-111.014	2.668313	-0.34256	79.10831	1603.304
3210_3210	3210	3210	-2711.92	45.11325	-3.50175	0.427875	-79.1083	-1603.48
3210_3211	3210	3211	2716.063	-23.5174	3.50175	-0.42788	100.1214	1790.724
3211_3211	3211	3211	-2716.06	23.51738	-3.50175	0.427875	-100.121	-1790.72
3211_3212	3211	3212	2720.201	-1.92281	3.50175	-0.42788	121.1333	1848.379
3212_3212	3212	3212	-2720.2	1.922813	1.552688	-0.59719	-121.133	-1848.38
3212_3213	3212	3213	2724.341	19.67175	-1.55269	0.597188	111.8184	1776.45
3213_3213	3213	3213	-2724.34	-19.6718	-3.50175	0.1995	-111.818	-1776.45
3213_3214	3213	3214	2728.478	41.26631	3.50175	-0.1995	132.8316	1574.93
3214_3214	3214	3214	-2728.61	-107.426	7.185938	0.882	-132.832	-1574.92
3214_3215	3214	3215	2733.325	136.2191	-7.18594	-0.882	75.33225	578.5382
3215_3215	3215	3215	-2733.33	-136.219	3.395438	-0.20213	-75.3323	-578.537
3215_3216	3215	3216	2738.042	165.0114	-3.39544	0.202125	48.16219	-648.241
3216_3216	3216	3216	-2738.04	-165.011	3.395438	-0.20213	-48.1622	648.2411
3216_3217	3216	3217	2742.751	193.8051	-3.39544	0.202125	20.99213	-2105.4
3217_3217	3217	3217	-2742.74	-259.513	3.369188	-6.72394	-20.9921	2105.291
3217_3218	3217	3218	2747.195	287.406	-3.36919	6.723938	-5.11875	-4245.53
3218_3218	3218	3218	-2747.2	-287.406	-0.54469	-14.3824	5.11875	4245.515
3218_3219	3218	3219	2751.651	315.2993	0.544688	14.38238	-0.90169	-6602
3219_3219	3219	3219	-2741.28	-315.298	11.98313	21.60769	1.069688	6888.016
3219_3220	3219	3220	2746.446	351.8327	-11.9831	-21.6077	-114.799	-10078.4
3220_3220	3220	3220	296.0396	682.6089	-1.86113	-46.053	51.07069	32664.86
3220_3221	3220	3221	-264.444	-627.775	1.861125	46.095	-27.6504	-24454.4
3221_3221	3221	3221	246.7999	638.5523	-2.05013	44.52656	18.01144	24449.87
3221_3222	3221	3222	-214.318	-586.651	2.050125	-44.4898	7.710938	-16970.5
3222_3222	3222	3222	193.7237	535.3622	4.526813	-2.92294	-3.46894	16967.02
3222_3223	3222	3223	-165.21	-482.513	-4.52681	2.891438	-56.6252	-10169.3
3223_3223	3223	3223	832.6959	482.2164	0.38325	2.31525	7.109813	6391.714
3223_3224	3223	3224	-821.596	-440.056	-0.38325	-2.38875	-11.6183	-1091.93
3224_3224	3224	3224	811.2956	372.1541	0.048563	18.48525	11.44369	1093.275
3224_3225	3224	3225	-783.752	-342.963	-0.04856	-18.4708	-11.8453	1753.521
3225_3225	3225	3225	749.6803	348.7299	-0.16931	-13.9453	12.53306	-1497.77
3225_3226	3225	3226	-674.843	-290.259	0.169313	13.94531	-9.83456	6263.183
3226_3226	3226	3226	674.7431	226.5939	0.899063	25.51631	9.834563	-6262.73
3226_3227	3226	3227	-619.546	-182.179	-0.89906	-25.5163	-20.7218	8495.879
3227_3227	3227	3227	619.5499	182.1789	0.725813	-25.0333	20.72175	-8495.89
3227_3228	3227	3228	-564.395	-137.798	-0.72581	25.03331	-29.4958	10190.47
3228_3228	3228	3228	564.1388	77.01488	0.538125	27.56119	29.49581	-10187.7
3228_3229	3228	3229	-513.434	-29.8515	-0.53813	-27.5612	-36.0019	10611.39
3229_3229	3229	3229	513.429	30.07594	0.364875	-26.712	36.00188	-10611.4
3229_3230	3229	3230	-465.772	17.09138	-0.36488	26.712	-40.4106	10479.47
3230_3230	3230	3230	465.6199	-76.6763	0.007875	21.79931	40.41056	-10477.1
3230_3231	3230	3231	-422.208	124.5103	-0.00788	-21.7993	-40.5143	9048.914
3231_3231	3231	3231	422.2116	-124.283	-0.16406	-21.1194	40.51425	-9048.92

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3231_3232	3231	3232	-381.965	172.0858	0.164063	21.11944	-38.5061	7050.804
3232_3232	3232	3232	381.8246	-239.432	3.077813	6.527063	38.50613	-7049.81
3232_3233	3232	3233	-359.45	269.9904	-3.07781	-6.52706	-62.6233	4950.947
3233_3233	3233	3233	359.4662	-269.849	3.052875	3.157875	62.62331	-4951
3233_3234	3233	3234	-339.368	298.9245	-3.05288	-3.15788	-85.3808	2737.416
3234_3234	3234	3234	351.9495	-294.423	3.400688	-6.52706	92.21888	-2780.1
3234_3235	3234	3235	-328.829	329.7827	-3.40069	6.573	-122.378	-105.471
3235_3235	3235	3235	336.6759	-392.045	0.904313	-5.81963	122.3289	105.5179
3235_3236	3235	3236	-324.555	415.5913	-0.90431	5.7645	-127.638	-2593.64
3236_3236	3236	3236	294.0341	-411.322	2.980688	-3.486	190.4424	2780.466
3236_3237	3236	3237	-287.533	433.3586	-2.98069	3.371813	-206.154	-5056.38
3237_3237	3237	3237	321.2921	-426.283	1.970063	10.08131	207.6388	4916.409
3237_3238	3237	3238	-319.523	474.9714	-1.97006	-10.4213	-227.203	-9494.49
3238_3238	3238	3238	334.8319	-525.698	-3.03844	-18.4314	225.4809	9495.115
3238_3239	3238	3239	-342.234	577.4619	3.038438	18.22013	-194.188	-15275.3
3239_3239	3239	3239	355.4828	-567.718	-3.15919	17.72925	197.8633	15280.17
3239_3240	3239	3240	-367.196	623.7512	3.159188	-17.9918	-163.738	-21603
3240_3240	3240	3240	385.2896	-646.526	-49.749	-39.8829	157.3543	21597.9
3240_3241	3240	3241	-394.964	685.9939	49.749	40.3305	209.6916	-26532.1
3241_3241	3241	3241	-2562.8	460.6442	-17.8119	5.32875	519.2828	8235.77
3241_3242	3241	3242	2582.732	-415.347	17.81194	-5.32875	-350.13	-4158.72
3242_3242	3242	3242	-2577.97	415.4601	-7.41431	23.35725	352.0296	4135.586
3242_3243	3242	3243	2593.268	-379.364	7.414313	-23.3573	-295.121	-1148.94
3243_3243	3243	3243	-2589.89	298.7788	-47.0282	0.42	295.1209	1147.352
3243_3244	3243	3244	2603.543	-254.006	47.02819	-0.42	152.5952	1426.779
3244_3244	3244	3244	-2603.66	254.1656	-40.5838	-0.00394	-152.595	-1426.71
3244_3245	3244	3245	2616.315	-206.652	40.58381	0.003938	562.6058	3701.077
3245_3245	3245	3245	-2617.4	144.4918	-17.0507	7.515375	-562.606	-3700.15
3245_3246	3245	3246	2627.637	-97.7222	17.05069	-7.51538	732.1716	4860.677
3246_3246	3246	3246	-2627.67	97.88231	-5.187	-6.006	-732.172	-4860.73
3246_3247	3246	3247	2635.877	-52.3714	5.187	6.006	782.3629	5552.013
3247_3247	3247	3247	-2635.86	-13.4046	-0.42656	7.415625	-782.363	-5550.97
3247_3248	3247	3248	2641.469	56.60944	0.426563	-7.41563	786.2846	5204.165
3248_3248	3248	3248	-2641.49	-56.4506	9.498563	-4.3575	-786.285	-5203.99
3248_3249	3248	3249	2645.97	105.5171	-9.49856	4.3575	687.183	4337.953
3249_3249	3249	3249	-2644.02	-160.758	-24.0306	0.689063	-687.183	-4337.41
3249_3250	3249	3250	2645.936	208.8437	24.03056	-0.68906	932.8791	2437.101
3250_3250	3250	3250	-2645.97	-208.685	-15.4166	-0.94631	-932.879	-2437.22
3250_3251	3250	3251	2646.026	252.9122	15.41663	0.946313	1077.858	263.5959
3251_3251	3251	3251	-2650.5	-306.794	101.6781	-12.117	-1077.86	-264.243
3251_3252	3251	3252	2647.171	346.311	-101.678	12.117	223.4899	-2469.19
3252_3252	3252	3252	-2646.82	-346.175	111.5231	2.70375	-223.49	2469.219
3252_3253	3252	3253	2642.17	385.7989	-111.523	-2.70375	-716.125	-5537.06
3253_3253	3253	3253	-2637.49	-385.661	115.2926	12.23906	715.974	5515.172
3253_3254	3253	3254	2632.098	422.2129	-115.293	-12.2391	-1599.45	-8591.62
3254_3254	3254	3254	-2626.39	-464.744	-49.3618	-134.291	1599.453	8585.618
3254_3255	3254	3255	2622.866	480.3159	49.36181	134.2911	-1438.3	-10216.3
3255_3255	3255	3255	376.1809	623.5215	-70.4786	-6.73181	1083.133	28395.46
3255_3256	3255	3256	-343.889	-569.436	70.47863	6.181875	-357.923	-22242.4
3256_3256	3256	3256	321.8434	586.7794	-70.6768	63.33469	349.3311	22234.31
3256_3257	3256	3257	-297.346	-545.013	70.67681	-63.6838	230.1023	-17762.5
3257_3257	3257	3257	280.5311	501.9263	15.45338	-34.6671	-220.879	17754.21
3257_3258	3257	3258	-251.815	-452.795	-15.4534	35.17763	68.00588	-13110.7
3258_3258	3258	3258	242.7285	460.9133	15.32344	1.807313	-70.7319	13108.53
3258_3259	3258	3259	-219.818	-418.921	-15.3234	-1.45819	-61.3817	-9327.75
3259_3259	3259	3259	141.8904	425.7789	16.15556	42.88856	70.75031	9725.158
3259_3260	3259	3260	-133.56	-412.678	-16.1556	-42.8046	-121.825	-8359.57
3260_3260	3260	3260	852.9846	330.4061	0.569625	15.55969	28.50225	4418.572

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3260_3261	3260	3261	-892.081	-297.878	-0.56963	-15.6424	-32.7744	-1822.91
3261_3261	3261	3261	886.3181	308.7774	0.395063	4.91925	33.1695	1821.979
3261_3262	3261	3262	-915.12	-268.818	-0.39506	-4.96125	-36.8576	1059.152
3262_3262	3262	3262	950.4075	276.2773	-0.168	-22.4175	34.41638	-1487.95
3262_3263	3262	3263	-962.336	-244.145	0.168	22.4175	-33.1301	3544.087
3263_3263	3263	3263	962.2712	168.882	1.194375	16.58344	33.13013	-3543.37
3263_3264	3263	3264	-982.115	-121.618	-1.19438	-16.5834	-46.5793	5282.345
3264_3264	3264	3264	982.0808	121.8407	0.979125	-14.742	46.57931	-5282.21
3264_3265	3264	3265	-1005.79	-72.408	-0.97913	14.742	-58.1214	6546.396
3265_3265	3265	3265	1005.732	7.80675	0.95025	27.33281	58.12144	-6546.13
3265_3266	3265	3266	-1034.2	40.93425	-0.95025	-27.3328	-69.1661	6492.852
3266_3266	3266	3266	1034.208	-40.7098	0.632625	-26.7763	69.16613	-6492.88
3266_3267	3266	3267	-1065.09	88.66988	-0.63263	26.77631	-76.4046	5902.362
3267_3267	3267	3267	1065.09	-153.208	0.851813	17.89725	76.40456	-5902.35
3267_3268	3267	3268	-1101.67	201.9071	-0.85181	-17.8973	-86.2995	4014.296
3268_3268	3268	3268	1101.676	-201.684	0.616875	-17.7017	86.2995	-4014.32
3268_3269	3268	3269	-1140.6	249.6821	-0.61688	17.70169	-93.3634	1614.956
3269_3269	3269	3269	1140.57	-318.86	-0.47775	13.49381	93.36338	-1614.67
3269_3270	3269	3270	-1188.42	370.0607	0.47775	-13.4938	-87.5398	-2367.58
3270_3270	3270	3270	1188.403	-369.824	-0.798	-14.4848	87.53981	2367.591
3270_3271	3270	3271	-1239	420.5447	0.798	14.48475	-77.8969	-6912.19
3271_3271	3271	3271	1239.4	-493.617	7.919625	-2.74444	77.89688	6911.769
3271_3272	3271	3272	-1270.48	522.6939	-7.91963	2.744438	-132.787	-10805.9
3272_3272	3272	3272	1176.215	-514.44	8.16375	-7.01794	121.9851	11655.29
3272_3273	3272	3273	-1187.51	557.0828	-8.16375	7.08225	-199.055	-16870.5
3273_3273	3273	3273	1198.141	-543.956	7.903875	4.896938	199.3517	16869.52
3273_3274	3273	3274	-1173.66	581.7512	-7.90388	-4.75519	-264.443	-21753.2
3274_3274	3274	3274	1181.833	-646.755	-38.0835	-30.5419	263.151	21755.65
3274_3275	3274	3275	-1172.21	657.5888	38.0835	30.41719	-174.476	-23360.5
3275_3275	3275	3275	1038.715	-653.423	-40.3161	-25.2827	163.6451	24250.43
3275_3276	3275	3276	-1000.11	698.9456	40.31606	24.55425	185.9694	-29881.1
3276_3276	3276	3276	1012.999	-687.78	-40.5458	33.75488	-182.588	29881.32
3276_3277	3276	3277	-964.219	734.8084	40.54575	-34.6763	535.9883	-36007.3
3277_3277	3277	3277	476.6423	-755.227	58.75406	-98.5517	-1007.94	39313.07
3277_3278	3277	3278	-483.592	812.4834	-58.7541	98.00044	393.5033	-47699.3
3278_3278	3278	3278	511.0061	-794.727	58.62281	19.09294	-383.186	47708.54
3278_3279	3278	3279	-519.528	849.5773	-58.6228	-19.7111	-183.344	-55841.3
3279_3279	3279	3279	-3911.49	659.7583	33.81788	182.7328	652.5081	19483.82
3279_3280	3279	3280	3921.113	-638.87	-33.8179	-182.733	-791.997	-16462.1
3280_3280	3280	3280	-3922.04	488.9679	-99.162	-42.8912	791.9966	16463.77
3280_3281	3280	3281	3931.934	-457.196	99.162	42.89119	-169.903	-13535.2
3281_3281	3281	3281	-3939.04	457.3013	-85.5606	-5.50463	173.7763	13913.28
3281_3282	3281	3282	3953.312	-411.479	85.56056	5.504625	652.1799	-9778.03
3282_3282	3282	3282	-3953.5	411.6302	-72.7243	25.86938	-652.18	9777.776
3282_3283	3282	3283	3964.427	-371.949	72.72431	-25.8694	1260.143	-6547.19
3283_3283	3283	3283	-4038.83	333.4209	17.91694	-8.13225	-1259.72	6898.114
3283_3284	3283	3284	4059.656	-283.072	-17.9169	8.13225	1038.203	-3174.36
3284_3284	3284	3284	-4059.54	283.2428	34.37175	7.516688	-1038.2	3174.292
3284_3285	3284	3285	4077.406	-234.679	-34.3718	-7.51669	628.3397	-161.489
3285_3285	3285	3285	-4077.62	108.0503	7.004813	-0.77438	-628.34	161.5359
3285_3286	3285	3286	4083.527	-59.8329	-7.00481	0.774375	545.4028	807.2229
3286_3286	3286	3286	-4083.41	59.98913	25.33256	0.937125	-545.403	-807.428
3286_3287	3286	3287	4086.834	-17.5757	-25.3326	-0.93713	281.568	1196.361
3287_3287	3287	3287	-4086.72	-42.2704	34.1565	-1.85719	-281.568	-1196.36
3287_3288	3287	3288	4090.114	88.26956	-34.1565	1.857188	-104.237	443.3835
3288_3288	3288	3288	-4089.96	-88.1134	48.67275	1.229813	104.2374	-443.437
3288_3289	3288	3289	4091.385	132.6491	-48.6728	-1.22981	-636.507	-771.49
3289_3289	3289	3289	-4092.06	-245.704	-19.4696	-10.7769	636.5074	771.3746

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3289_3290	3289	3290	4090.388	279.7673	19.46963	10.77694	-473.658	-2963.98
3290_3290	3290	3290	-4090.4	-279.654	-10.1548	-1.16681	473.6576	2963.941
3290_3291	3290	3291	4087.852	311.6571	10.15481	1.166813	-393.86	-5278.7
3291_3291	3291	3291	-4078.34	-311.559	-1.59206	12.48844	394.296	4874.406
3291_3292	3291	3292	4074.749	346.1627	1.592063	-12.4884	-381.743	-7453.85
3292_3292	3292	3292	-4075	-430.398	-14.2013	-25.7552	381.7433	7454.545
3292_3293	3292	3293	4073.669	441.4187	14.20125	25.75519	-346.094	-8629.53
3293_3293	3293	3293	391.9703	1174.782	-12.4044	-71.4354	67.71975	39555.75
3293_3294	3293	3294	-372.283	-1132.44	12.40444	71.45775	37.47056	-30044.4
3294_3294	3294	3294	331.5651	1146.356	-12.4661	60.63094	-51.2715	30038.53
3294_3295	3294	3295	-306.768	-1099.02	12.46613	-60.6086	173.6818	-18890.7
3295_3295	3295	3295	271.7492	1007.211	6.227813	-31.8019	-166.241	18889.4
3295_3296	3295	3296	-246.085	-956.222	-6.22781	31.7625	98.36794	-8144.94
3296_3296	3296	3296	222.9518	963.6992	6.166125	12.55275	-100.559	8142.858
3296_3297	3296	3297	-204.518	-925.713	-6.16613	-12.5698	49.52719	-159.157
3297_3297	3297	3297	156.3476	930.6124	5.919375	24.65663	-44.6959	332.6449
3297_3298	3297	3298	-146.833	-913.304	-5.91938	-24.6593	19.14019	3917.735
3298_3298	3298	3298	48.08081	805.9813	-0.03413	10.39238	21.36488	-3393.95
3298_3299	3298	3299	-36.6148	-773.169	0.034125	-10.4029	-21.0866	10367.78
3299_3299	3299	3299	33.59213	774.1821	-0.07481	0.198188	21.13125	-10368.1
3299_3300	3299	3300	-25.599	-744.517	0.074813	-0.19819	-20.5708	15223.73
3300_3300	3300	3300	81.207	744.7899	0.418688	-21.8413	15.33394	-15536.9
3300_3301	3300	3301	-74.6589	-712.279	-0.41869	21.84131	-18.3107	20685.42
3301_3301	3301	3301	74.5395	608.0104	-0.23756	47.55844	18.31069	-20685.7
3301_3302	3301	3302	-64.2088	-552.737	0.237563	-47.5584	-15.4337	27651.62
3302_3302	3302	3302	64.20488	552.8762	-0.30975	-42.4541	15.43369	-27651.6
3302_3303	3302	3303	-55.6369	-497.087	0.30975	42.45413	-11.6616	34015.99
3303_3303	3303	3303	55.63819	392.5898	2.289	53.53294	11.66156	-34017.3
3303_3304	3303	3304	-50.6888	-333.887	-2.289	-53.5329	-41.0406	38658.01
3304_3304	3304	3304	50.73206	334.0247	2.232563	-51.3844	41.04056	-38658.2
3304_3305	3304	3305	-48.0624	-281.672	-2.23256	51.38438	-66.5963	42171.35
3305_3305	3305	3305	48.00338	184.6149	-0.10894	73.584	66.59625	-42172.7
3305_3306	3305	3306	-49.2437	-124.076	0.108938	-73.584	-65.1578	44224.31
3306_3306	3306	3306	49.30013	124.2137	-0.1785	-76.5174	65.15775	-44224.6
3306_3307	3306	3307	-52.0183	-73.6956	0.1785	76.51744	-63.1916	45332.92
3307_3307	3307	3307	51.99075	-19.0851	1.723313	72.49069	63.19163	-45334.7
3307_3308	3307	3308	-59.514	76.58175	-1.72331	-72.4907	-84.8492	44772.19
3308_3308	3308	3308	59.54288	-76.4426	1.660313	-65.8704	84.84919	-44772.3
3308_3309	3308	3309	-68.3314	129.9782	-1.66031	65.87044	-104.281	43608.97
3309_3309	3309	3309	68.30381	-224.739	-1.19175	62.44744	104.2808	-43610.2
3309_3310	3309	3310	-82.0208	279.0296	1.19175	-62.4474	-90.1307	40688.88
3310_3310	3310	3310	82.00631	-278.892	-1.24688	-47.6385	90.13069	-40688.8
3310_3311	3310	3311	-98.2472	335.6798	1.246875	47.6385	-74.6511	36954.36
3311_3311	3311	3311	98.301	-417.334	5.760563	50.58638	74.65106	-36955.7
3311_3312	3311	3312	-117.184	472.7271	-5.76056	-50.5864	-144.408	31659.08
3312_3312	3312	3312	117.2063	-472.588	5.702813	-40.7019	144.4078	-31659.1
3312_3313	3312	3313	-138.021	528.2156	-5.70281	40.70194	-213.746	25675.41
3313_3313	3313	3313	137.8991	-655.295	-6.18319	33.516	213.7459	-25676.2
3313_3314	3313	3314	-168.469	713.4448	6.183188	-33.516	-135.151	17125.32
3314_3314	3314	3314	168.4397	-713.3	-6.25275	-23.3008	135.1508	-17125.3
3314_3315	3314	3315	-200.879	771.1778	6.25275	23.30081	-56.0438	7891.968
3315_3315	3315	3315	201.1446	-824.944	-6.84863	-2.26931	56.04375	-7893.77
3315_3316	3315	3316	-224.873	862.3808	6.848625	2.269313	0	1105.057
3400_3020	3400	3020	3471.87	-318.321	-11.1549	1.031625	-362.892	-4534.69
3400_3401	3400	3401	-3473.25	323.5562	11.15494	-1.03163	408.5904	3219.817
3401_3401	3401	3401	3468.847	-313.359	32.19694	-2.52	-394.229	-3219.92
3401_3402	3401	3402	-3470.04	317.8114	-32.1969	2.52	281.9447	2119.346
3402_3402	3402	3402	3476.715	-234.445	26.06363	0.431813	-283.041	-2119.2

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3402_3403	3402	3403	-3480.77	248.2909	-26.0636	-0.43181	-1.53825	-516.155
3403_3403	3403	3403	3474.048	-146.013	1.214063	-0.85706	1.922813	516.1472
3403_3404	3403	3404	-3477.01	155.0601	-1.21406	0.857063	-10.6654	-1600.61
3404_3404	3404	3404	3479.641	-75.6394	-1.56056	0.186375	11.09719	1600.61
3404_3405	3404	3405	-3482.81	84.63263	1.560563	-0.18638	0.166688	-2178.94
3405_3405	3405	3405	3481.163	32.33081	1.109063	-0.45675	-0.43444	2178.938
3405_3406	3405	3406	-3488.13	-14.6094	-1.10906	0.45675	-15.5505	-1840.74
3406_3406	3406	3406	3485.923	132.0257	0.02625	-0.96338	16.34063	1840.746
3406_3407	3406	3407	-3490.59	-121.293	-0.02625	0.963375	-16.5677	-719.115
3407_3407	3407	3407	3487.404	192.0293	-6.67144	0.04725	17.16356	719.1017
3407_3408	3407	3408	-3490.63	-185.013	6.671438	-0.04725	19.9395	329.4073
3408_3408	3408	3408	3460.043	-553.514	11.07225	-0.14306	-20.6207	-329.448
3408_3409	3408	3409	-3460.96	557.6038	-11.0723	0.143063	-12.8008	-1347.43
3409_3409	3409	3409	3453.828	529.6791	0.126	-0.89775	13.03181	1346.916
3409_3410	3409	3410	-3452.91	-525.578	-0.126	0.89775	-13.4138	250.2649
3410_3410	3410	3410	3481.845	-215.712	4.8405	-1.71544	11.40169	-250.249
3410_3411	3410	3411	-3478.62	222.7168	-4.8405	1.715438	-38.2869	-967.192
3411_3411	3411	3411	3482.581	-148.563	-3.87581	-0.15356	37.20938	967.2351
3411_3412	3411	3412	-3477.92	159.306	3.875813	0.153563	-2.85863	-2331.53
3412_3412	3412	3412	3485.605	-42.9083	0.238875	-0.78356	1.799438	2331.549
3412_3413	3412	3413	-3478.64	60.63356	-0.23888	0.783563	-5.24213	-3077.68
3413_3413	3413	3413	3485.923	55.545	3.781313	-3.2025	4.188188	3077.731
3413_3414	3413	3414	-3482.75	-46.5557	-3.78131	3.2025	-31.4606	-2709.5
3414_3414	3414	3414	3480.737	127.2968	-3.28256	1.634063	29.5575	2709.525
3414_3415	3414	3415	-3477.78	-118.243	3.282563	-1.63406	-5.89706	-1824.62
3415_3415	3415	3415	3487.634	220.8189	-14.2629	-1.50675	6.823688	1824.645
3415_3416	3415	3416	-3483.58	-206.975	14.26294	1.50675	148.9097	510.7489
3416_3416	3416	3416	3477.689	289.4653	-15.4193	1.849313	-148.857	-510.763
3416_3417	3416	3417	-3476.5	-285.019	15.41925	-1.84931	202.5673	1511.375
3417_3417	3417	3417	3480.547	297.9559	-22.7076	-2.09213	-207.897	-1511.45
3417_3036	3417	3036	-3479.17	-292.714	22.70756	2.092125	301.0376	2777.302
3420_3056	3420	3056	2864.585	-295.906	-9.70988	1.295438	-141.162	-4886.12
3420_3421	3420	3421	-2865.8	300.5415	9.709875	-1.29544	180.9111	3665.207
3421_3421	3421	3421	2861.46	-293.209	14.0385	-0.63656	-173.216	-3665.2
3421_3422	3421	3422	-2862.51	297.1513	-14.0385	0.636563	124.2767	2636.193
3422_3422	3422	3422	2868.767	-229.14	12.50025	0.864938	-124.681	-2636.17
3422_3423	3422	3423	-2872.36	241.4147	-12.5003	-0.86494	-11.8742	65.92688
3423_3423	3423	3423	2867.807	-157.173	0.917438	0.144375	10.35956	-65.9308
3423_3424	3423	3424	-2870.43	165.1886	-0.91744	-0.14438	-16.9654	-1095
3424_3424	3424	3424	2873.451	-99.6332	-1.95038	0.863625	17.35388	1094.989
3424_3425	3424	3425	-2876.26	107.6001	1.950375	-0.86363	-3.28256	-1842.66
3425_3425	3425	3425	2875.546	-12.7037	0.259875	0.443625	2.972813	1842.663
3425_3426	3425	3426	-2881.72	28.41563	-0.25988	-0.44363	-6.71606	-2139.07
3426_3426	3426	3426	2880.363	68.691	0.315	0.080063	7.293563	2139.085
3426_3427	3426	3427	-2884.5	-59.1872	-0.315	-0.08006	-10.0761	-1573.15
3427_3427	3427	3427	2882.687	118.0292	-1.56056	0.879375	10.53806	1573.149
3427_3428	3427	3428	-2885.56	-111.779	1.560563	-0.87938	-1.86375	-934.564
3428_3428	3428	3428	2852.161	-501.909	-5.30381	-0.273	3.2445	934.5919
3428_3429	3428	3429	-2852.98	505.5671	5.303813	0.273	12.81525	-2460.05
3429_3429	3429	3429	2855.29	510.7843	2.744438	0.943688	-12.9675	2463.637
3429_3430	3429	3430	-2854.47	-507.138	-2.74444	-0.94369	4.683	-927.004
3430_3430	3430	3430	2889.349	-105.65	-1.23638	1.395188	-5.13056	927.0043
3430_3431	3430	3431	-2886.48	111.8998	1.236375	-1.39519	12.00413	-1531.47
3431_3431	3431	3431	2888.184	-51.6311	2.4255	-0.28219	-11.1353	1531.475
3431_3432	3431	3432	-2884.05	61.14544	-2.4255	0.282188	-10.3583	-2031.06
3432_3432	3432	3432	2886.273	34.755	-0.32419	0.295313	9.608813	2031.11
3432_3433	3432	3433	-2880.1	-19.0483	0.324188	-0.29531	-4.94288	-1643.39
3433_3433	3433	3433	2881.178	114.0733	-0.01181	0.712688	5.588625	1643.422

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3433_3434	3433	3434	-2878.37	-106.109	0.011813	-0.71269	-5.50463	-849.359
3434_3434	3434	3434	2875.119	173.0334	2.741813	-0.24544	5.792063	849.3581
3434_3435	3434	3435	-2872.5	-165.01	-2.74181	0.245438	-25.557	369.1406
3435_3435	3435	3435	2877.056	248.4746	-23.1184	0.22575	28.21744	-369.142
3435_3436	3435	3436	-2873.46	-236.207	23.11838	-0.22575	224.1894	3015.079
3436_3436	3436	3436	2866.781	306.39	-28.3146	0.080063	-222.617	-3015.19
3436_3437	3436	3437	-2865.73	-302.438	28.31456	-0.08006	321.5284	4078.596
3437_3437	3437	3437	2870.956	306.4806	-10.2992	-1.74563	-334.103	-4078.71
3437_3072	3437	3072	-2869.74	-301.849	10.29919	1.745625	376.236	5323.034
3440_3094	3440	3094	3285.648	-275.941	-11.1969	0.654938	-50.1349	-3124.21
3440_3441	3440	3441	-3286.86	280.5364	11.19694	-0.65494	96.0015	1953.479
3441_3441	3441	3441	3280.057	-271.72	7.406438	-1.02506	-90.7699	-1953.48
3441_3442	3441	3442	-3281.1	275.6303	-7.40644	1.025063	64.92413	998.4831
3442_3442	3442	3442	3286.819	-196.011	7.204313	0.486938	-64.9491	-998.483
3442_3443	3442	3443	-3290.38	208.1586	-7.20431	-0.48694	-13.6933	-1207.31
3443_3443	3443	3443	3288.04	-112.219	-0.94763	0.438375	13.86	1207.314
3443_3444	3443	3444	-3290.64	120.1659	0.947625	-0.43838	-7.02713	-2044.99
3444_3444	3444	3444	3292.541	-43.6734	-0.31763	-0.11813	6.897188	2044.993
3444_3445	3444	3445	-3295.32	51.56288	0.317625	0.118125	-4.60294	-2388.49
3445_3445	3445	3445	3293.941	58.51125	0.15225	0.095813	5.797313	2388.497
3445_3446	3445	3446	-3300.05	-42.9542	-0.15225	-0.09581	-7.98525	-1657.3
3446_3446	3446	3446	3297.515	154.5456	-0.05119	0.23625	10.24406	1657.307
3446_3447	3446	3447	-3301.61	-145.126	0.051188	-0.23625	-9.78731	-330.31
3447_3447	3447	3447	3297.928	212.9413	3.378375	-0.29925	9.636375	330.3143
3447_3448	3447	3448	-3300.77	-206.745	-3.37838	0.29925	-28.413	836.1898
3448_3448	3448	3448	3280.669	-494.575	-15.6739	5.051813	30.54844	-836.228
3448_3449	3448	3449	-3281.48	498.1948	15.67388	-5.05181	16.84331	-664.71
3449_3449	3449	3449	3281.079	492.5799	15.68831	-5.09381	-16.8328	665.154
3449_3450	3449	3450	-3280.27	-488.972	-15.6883	5.093813	-30.4644	814.4496
3450_3450	3450	3450	3302.867	-210.047	-2.21813	0.19425	28.32375	-814.427
3450_3451	3450	3451	-3300.02	216.2449	2.218125	-0.19425	-15.9928	-370.604
3451_3451	3451	3451	3303.77	-148.345	-1.17994	-0.24938	16.04269	370.6028
3451_3452	3451	3452	-3299.68	157.7664	1.179938	0.249375	-5.59519	-1726.36
3452_3452	3452	3452	3306.436	-46.4914	0.084	-0.15094	3.845625	1726.369
3452_3453	3452	3453	-3300.32	62.04975	-0.084	0.150938	-5.05575	-2508.63
3453_3453	3453	3453	3305.657	47.88656	0.941063	-0.29794	3.546375	2508.644
3453_3454	3453	3454	-3302.87	-39.9971	-0.94106	0.297938	-10.3399	-2191.65
3454_3454	3454	3454	3301.053	116.7259	0.276938	-0.09188	10.18369	2191.653
3454_3455	3454	3455	-3298.46	-108.779	-0.27694	0.091875	-12.1761	-1378.74
3455_3455	3455	3455	3304.808	204.8209	-5.65294	-0.27694	12.117	1378.742
3455_3456	3455	3456	-3301.25	-192.674	5.652938	0.276938	49.58888	790.5161
3456_3456	3456	3456	3295.602	272.6246	-8.73994	0.168	-49.3789	-790.529
3456_3457	3456	3457	-3294.56	-268.716	8.739938	-0.168	79.87481	1734.97
3457_3457	3457	3457	3301.778	277.0609	5.253938	-0.77175	-84.5657	-1734.93
3457_3110	3457	3110	-3300.57	-272.467	-5.25394	0.77175	63.04331	2889.026
3460_3132	3460	3132	2885.023	-405.765	-31.8951	-1.73644	308.8431	-5515.55
3460_3461	3460	3461	-2886.23	411.3204	31.89506	1.736438	-152.493	3352.248
3461_3461	3461	3461	2895.523	-279.733	-15.7067	0.048563	147.2756	-3352.27
3461_3462	3461	3462	-2896.57	283.6418	15.70669	-0.04856	-92.4879	2369.711
3462_3462	3462	3462	2902.552	-214.062	-13.1066	0	93.09825	-2369.69
3462_3463	3462	3463	-2906.11	226.2159	13.10663	0	50.0325	-34.3153
3463_3463	3463	3463	2945.108	-146.626	3.613313	-0.18506	-49.4668	34.09875
3463_3464	3463	3464	-2947.71	154.5705	-3.61331	0.185063	23.4255	-1119.56
3464_3464	3464	3464	2950.501	-86.0199	3.908625	0.24675	-23.4636	1119.556
3464_3465	3464	3465	-2953.29	93.90675	-3.90863	-0.24675	-4.72369	-1768.35
3465_3465	3465	3465	2998.783	-6.92869	0.032813	-0.15356	0.927938	1768.418
3465_3466	3465	3466	-3004.9	22.48181	-0.03281	0.153563	-1.40569	-1980.32
3466_3466	3466	3466	3060.624	58.16475	2.476688	-0.14569	-1.6485	1980.173

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3466_3467	3466	3467	-3064.72	-48.7463	-2.47669	0.145688	-20.2847	-1506.82
3467_3467	3467	3467	3063.067	111.7594	2.00025	-0.33206	20.38313	1506.817
3467_3468	3467	3468	-3065.91	-105.564	-2.00025	0.332063	-31.5039	-902.877
3468_3468	3468	3468	3090.64	-588.541	1.977938	4.59375	29.29369	902.8701
3468_3469	3468	3469	-3091.45	592.1593	-1.97794	-4.59375	-35.2721	-2687.7
3469_3469	3469	3469	3094.301	588.8531	1.557938	-4.69613	17.49563	2698.743
3469_3470	3469	3470	-3093.49	-585.235	-1.55794	4.696125	-22.2075	-923.996
3470_3470	3470	3470	3071.384	-109.313	-2.04356	0.336	24.14869	924.0053
3470_3471	3470	3471	-3068.54	115.5079	2.043563	-0.336	-12.7943	-1548.78
3471_3471	3471	3471	3070.264	-52.3819	-1.56581	-0.16538	12.90188	1548.779
3471_3472	3471	3472	-3066.17	61.80038	1.565813	0.165375	0.962063	-2054.33
3472_3472	3472	3472	3016.208	21.06431	0.105	-0.04856	1.198313	2054.241
3472_3473	3472	3473	-3010.1	-5.49938	-0.105	0.048563	-2.71031	-1862.73
3473_3473	3473	3473	2971.497	94.59975	-0.12338	-0.25463	3.458438	1862.725
3473_3474	3473	3474	-2968.71	-86.7116	0.123375	0.254625	-2.5725	-1208.92
3474_3474	3474	3474	2965.897	155.6848	-0.45019	-0.1785	2.521313	1208.921
3474_3475	3474	3475	-2963.3	-147.74	0.450188	0.1785	0.723188	-115.409
3475_3475	3475	3475	2931.55	230.9357	1.392563	-1.51594	-0.19556	115.4186
3475_3476	3475	3476	-2927.99	-218.781	-1.39256	1.515938	-15.0163	2340.391
3476_3476	3476	3476	2921.884	288.9941	8.36325	3.85875	13.44394	-2340.4
3476_3477	3476	3477	-2920.84	-285.084	-8.36325	-3.85875	-42.6208	3341.769
3477_3477	3477	3477	2925.998	290.9419	-3.37313	-0.11156	46.55044	-3341.67
3477_3148	3477	3148	-2924.79	-286.348	3.373125	0.111563	-32.7351	4523.72
3480_3168	3480	3168	2815.251	-315.357	42.39769	0.883313	-125.818	-5936.22
3480_3481	3480	3481	-2816.46	319.9508	-42.3977	-0.88331	-47.8157	4635.325
3481_3481	3481	3481	2813.587	-313.832	-5.649	-2.90456	38.88544	-4635.24
3481_3482	3481	3482	-2814.63	317.7405	5.649	2.904563	-19.1796	3533.627
3482_3482	3482	3482	2821.446	-250.142	-1.99763	1.330875	20.48025	-3533.62
3482_3483	3482	3483	-2825.01	262.2966	1.997625	-1.33088	1.340063	735.2704
3483_3483	3483	3483	2875.72	-182.854	0.448875	0.259875	-5.64244	-735.291
3483_3484	3483	3484	-2878.32	190.7981	-0.44888	-0.25988	2.403188	-611.313
3484_3484	3484	3484	2882.031	-122.521	0.8295	0.234938	-2.4255	611.3113
3484_3485	3484	3485	-2884.81	130.3956	-0.8295	-0.23494	-3.54638	-1522.13
3485_3485	3485	3485	2944.646	-46.8392	1.194375	0.030188	-1.512	1521.98
3485_3486	3485	3486	-2950.76	62.40413	-1.19438	-0.03019	-15.7185	-2309.58
3486_3486	3486	3486	3024.982	16.51913	-3.71438	-0.41344	9.5865	2309.43
3486_3487	3486	3487	-3029.08	-7.10194	3.714375	0.413438	23.30213	-2204.85
3487_3487	3487	3487	3028.288	69.38925	-4.18163	0.402938	-23.1499	2204.848
3487_3488	3487	3488	-3031.13	-63.1943	4.181625	-0.40294	46.39294	-1836.4
3488_3488	3488	3488	3068.653	-628.277	7.059938	-7.35656	-54.9189	1836.401
3488_3489	3488	3489	-3069.46	631.8953	-7.05994	7.356563	33.57375	-3741.37
3489_3489	3489	3489	3071.767	632.9899	0.1785	7.674188	0.841313	3747.74
3489_3490	3489	3490	-3070.96	-629.371	-0.1785	-7.67419	-1.38075	-1839.46
3490_3490	3490	3490	3031.338	-62.5629	0.132563	0.317625	4.051688	1839.301
3490_3491	3490	3491	-3028.49	68.75794	-0.13256	-0.31763	-4.78538	-2204.24
3491_3491	3491	3491	3029.267	-6.46669	0.599813	-0.12075	4.937625	2204.241
3491_3492	3491	3492	-3025.17	15.88388	-0.59981	0.12075	-10.2493	-2303.2
3492_3492	3492	3492	2949.269	63.54994	-1.30725	-0.12863	16.17788	2303.163
3492_3493	3492	3493	-2943.16	-47.985	1.30725	0.128625	2.673563	-1499.04
3493_3493	3493	3493	2881.571	132.9799	-0.76519	-0.37406	2.8665	1499.12
3493_3494	3493	3494	-2878.79	-125.093	0.765188	0.374063	2.653875	-568.513
3494_3494	3494	3494	2875.186	190.7246	-1.0185	-0.2625	-2.67881	568.5133
3494_3495	3494	3495	-2872.59	-182.792	1.0185	0.2625	10.00913	775.8266
3495_3495	3495	3495	2820.948	263.4752	1.962188	0.954188	-6.28556	-775.842
3495_3496	3495	3496	-2817.39	-251.319	-1.96219	-0.95419	-15.1489	3587.064
3496_3496	3496	3496	2810.549	318.8194	-1.68263	-4.20656	16.44825	-3587.06
3496_3497	3496	3497	-2809.51	-314.911	1.682625	4.206563	-10.5788	4692.429
3497_3497	3497	3497	2812.984	320.7579	-31.8071	-0.76388	14.65013	-4692.42

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3497_3184	3497	3184	-2811.78	-316.164	31.80713	0.763875	115.6063	6116.5
3500_3204	3500	3204	3145.497	-317.857	-21.9043	0.704813	-19.3305	-5247.47
3500_3501	3500	3501	-3146.92	323.2898	21.90431	-0.70481	109.0333	3882.722
3501_3501	3501	3501	3143.835	-316.232	10.74413	2.542313	-101.442	-3882.95
3501_3502	3501	3502	-3145.07	320.8551	-10.7441	-2.54231	63.96075	2771.669
3502_3502	3502	3502	3151.876	-245.289	6.066375	-0.13256	-65.1144	-2771.64
3502_3503	3502	3503	-3156.09	259.665	-6.06638	0.132563	-1.14319	14.15794
3503_3503	3503	3503	3149.426	-168.438	1.198313	-0.189	1.938563	-14.1632
3503_3504	3503	3504	-3152.5	177.8346	-1.19831	0.189	-10.5801	-1233.76
3504_3504	3504	3504	3155.78	-104.496	-2.77856	1.137938	11.12738	1233.759
3504_3505	3504	3505	-3159.07	113.8239	2.778563	-1.13794	8.906625	-2021
3505_3505	3505	3505	3154.8	-10.0144	0.504	0.3045	-9.25181	2021.047
3505_3506	3505	3506	-3162.03	28.40906	-0.504	-0.3045	1.988438	-2297.88
3506_3506	3506	3506	3157.879	76.7025	2.127563	0.227063	-1.36238	2297.866
3506_3507	3506	3507	-3162.72	-65.5646	-2.12756	-0.22706	-17.4759	-1667.97
3507_3507	3507	3507	3160.703	130.5885	1.635375	0.123375	17.59406	1667.972
3507_3508	3507	3508	-3164.04	-123.323	-1.63538	-0.12338	-26.6818	-962.354
3508_3508	3508	3508	3122.766	-547.337	-0.0525	2.564625	27.82238	962.325
3508_3509	3508	3509	-3123.71	551.5821	0.0525	-2.56463	-27.6623	-2623.53
3509_3509	3509	3509	3123.425	550.4717	-7.3605	-2.73525	27.70031	2623.117
3509_3510	3509	3510	-3122.48	-546.228	7.3605	2.73525	-5.44688	-965.349
3510_3510	3510	3510	3160.913	-124.226	-0.37931	0.153563	6.456188	965.4133
3510_3511	3510	3511	-3157.58	131.4915	0.379313	-0.15356	-4.34963	-1676.05
3511_3511	3511	3511	3159.613	-66.5319	0.112875	-0.19425	4.465125	1676.049
3511_3512	3511	3512	-3154.77	77.66981	-0.11288	0.19425	-5.46525	-2314.51
3512_3512	3512	3512	3156.544	28.34869	-0.1155	-0.20869	5.78025	2314.519
3512_3513	3512	3513	-3149.32	-9.93956	0.1155	0.208688	-4.11075	-2038.47
3513_3513	3513	3513	3150.193	112.9511	0.637875	-0.20081	3.772125	2038.482
3513_3514	3513	3514	-3146.9	-103.623	-0.63788	0.200813	-8.37113	-1257.52
3514_3514	3514	3514	3143.642	176.7334	0.291375	-0.25331	8.318625	1257.522
3514_3515	3514	3515	-3140.57	-167.336	-0.29138	0.253313	-10.4186	-17.5337
3515_3515	3515	3515	3146.229	258.5769	-14.0543	-0.54469	10.35563	17.54156
3515_3516	3515	3516	-3142.02	-244.201	14.05425	0.544688	143.1413	2728.022
3516_3516	3516	3516	3135.251	319.5032	-15.3221	1.756125	-142.811	-2728.04
3516_3517	3516	3517	-3134.02	-314.881	15.32213	-1.75613	196.2621	3834.554
3517_3517	3517	3517	3135.875	319.6883	-0.70219	-2.39006	-198.942	-3834.55
3517_3220	3517	3220	-3134.45	-314.27	0.702188	2.390063	201.8113	5129.484
3520_3241	3520	3241	3123.667	-417.113	-21.9726	54.98981	-724.328	-9337.76
3520_3521	3520	3521	-3125.38	423.6304	21.97256	-54.9898	814.2278	7617.803
3521_3521	3521	3521	3104.715	-421.449	62.64169	3.77475	-802.835	-7627.37
3521_3522	3521	3522	-3106.2	426.9943	-62.6417	-3.77475	584.5796	6149.296
3522_3522	3522	3522	3115.589	-353.253	55.10269	2.23125	-588.835	-6148.89
3522_3523	3522	3523	-3120.65	370.5201	-55.1027	-2.23125	-12.9242	2196.88
3523_3523	3523	3523	3126.001	-270.661	3.1185	1.330875	7.057313	-2196.26
3523_3524	3523	3524	-3129.69	281.9539	-3.1185	-1.33088	-29.5418	203.8391
3524_3524	3524	3524	3135.472	-207.935	-6.99825	-0.04069	29.3265	-203.875
3524_3525	3524	3525	-3139.43	219.1311	6.99825	0.040688	21.10894	-1335.05
3525_3525	3525	3525	3139.815	-112.551	-0.87281	-0.53288	-24.276	1334.004
3525_3526	3525	3526	-3148.5	134.6638	0.872813	0.532875	36.86419	-3116.39
3526_3526	3526	3526	3148.796	-27.5126	1.954313	-4.34175	-36.5584	3112.948
3526_3527	3526	3527	-3154.61	40.89356	-1.95431	4.34175	19.25438	-3415.83
3527_3527	3527	3527	3154.768	25.53731	-5.79206	4.4205	-15.498	3415.852
3527_3528	3527	3528	-3158.75	-16.8893	5.792063	-4.4205	47.65425	-3298.07
3528_3528	3528	3528	3093.333	-654.851	8.936813	-9.15731	-50.2333	3297.865
3528_3529	3528	3529	-3094.47	659.9224	-8.93681	9.157313	23.14463	-5290.35
3529_3529	3529	3529	3091.886	645.0924	-2.08031	6.134625	-22.4779	5288.706
3529_3530	3529	3530	-3090.76	-640.037	2.080313	-6.13463	28.76475	-3346.92
3530_3530	3530	3530	3152.817	-27.1031	13.17356	-6.37613	-27.5559	3345.983

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3530_3531	3530	3531	-3148.84	35.7525	-13.1736	6.376125	-45.5976	-3520.5
3531_3531	3531	3531	3148.912	31.01569	5.421938	1.362375	41.67056	3520.553
3531_3532	3531	3532	-3143.1	-17.6282	-5.42194	-1.36238	-89.7107	-3305.07
3532_3532	3532	3532	3145.821	118.6434	-0.81113	-1.27444	84.63656	3303.188
3532_3533	3532	3533	-3137.14	-96.5383	0.811125	1.274438	-72.9435	-1752.29
3533_3533	3533	3533	3139.257	194.7159	-0.8295	0.192938	70.72931	1752.102
3533_3534	3533	3534	-3135.3	-183.52	0.8295	-0.19294	-64.7535	-389.125
3534_3534	3534	3534	3130.068	257.8262	-2.83631	-1.08675	64.65638	389.1392
3534_3535	3534	3535	-3126.38	-246.53	2.836313	1.08675	-44.1998	1429.806
3535_3535	3535	3535	3138.71	331.4771	-21.4843	4.6725	47.78944	-1427.59
3535_3536	3535	3536	-3133.65	-314.222	21.48431	-4.6725	186.6913	4951.123
3536_3536	3536	3536	3124.884	391.0948	-33.5068	-10.4514	-181.267	-4951.32
3536_3537	3536	3537	-3123.4	-385.534	33.50681	10.45144	298.3103	6307.749
3537_3537	3537	3537	3088.509	596.4801	-22.4923	-54.3401	-306.072	-6320.35
3537_3255	3537	3255	-3086.79	-587.609	22.49231	54.34013	429.4238	9662.824
3540_3279	3540	3279	4597.248	-625.864	27.47981	135.3096	-416.308	-6364.74
3540_3541	3540	3541	-4599.09	634.4888	-27.4798	-135.31	279.6006	3104.908
3541_3541	3541	3541	4618.502	-413.218	32.05125	0.658875	-266.978	-3166.11
3541_3542	3541	3542	-4620.1	419.1849	-32.0513	-0.65888	155.3291	1716.27
3542_3542	3542	3542	4628.731	-310.278	25.0635	1.673438	-156.044	-1716.2
3542_3543	3542	3543	-4634.17	328.8653	-25.0635	-1.67344	-117.754	-1774.79
3543_3543	3543	3543	4670.277	-188.108	-6.73444	-2.69325	110.9574	1771.187
3543_3544	3543	3544	-4674.25	200.2481	6.734438	2.69325	-62.4422	-3170.11
3544_3544	3544	3544	4677.627	-91.6637	-12.1446	-0.45019	63.66675	3170.087
3544_3545	3544	3545	-4681.88	103.7177	12.14456	0.450188	23.89013	-3874.36
3545_3545	3545	3545	4663.305	45.09881	-2.94	-2.06719	-22.302	3867.437
3545_3546	3545	3546	-4672.65	-21.3019	2.94	2.067188	64.69313	-3388.71
3546_3546	3546	3546	4647.206	171.8443	17.03231	-2.32969	-62.2532	3383.663
3546_3547	3546	3547	-4653.46	-157.434	-17.0323	2.329688	-88.662	-1924.9
3547_3547	3547	3547	4649.019	257.6844	5.700188	0.336	90.69769	1924.808
3547_3548	3547	3548	-4653.29	-248.409	-5.70019	-0.336	-122.328	-520.594
3548_3548	3548	3548	4612.23	-740.234	-29.7163	0.315	129.0752	510.7646
3548_3549	3548	3549	-4613.45	745.6759	29.71631	-0.315	-39.0154	-2762.37
3549_3549	3549	3549	4637.878	763.3749	-28.7477	-4.64494	40.13363	2766.491
3549_3550	3549	3550	-4636.63	-758.045	28.74769	4.644938	45.41119	-502.782
3550_3550	3550	3550	4663.793	-255.563	22.55663	-4.1895	-41.1613	506.0291
3550_3551	3550	3551	-4659.28	264.9544	-22.5566	4.1895	-86.5371	-1979.41
3551_3551	3551	3551	4664.153	-158.967	6.970688	0.358313	83.47238	1979.544
3551_3552	3551	3552	-4658	172.5675	-6.97069	-0.35831	-142.163	-3375.15
3552_3552	3552	3552	4662.06	7.5705	-1.64719	-2.68013	140.4388	3373.377
3552_3553	3552	3553	-4652.7	15.582	1.647188	2.680125	-117.239	-3429.79
3553_3553	3553	3553	4654.664	152.817	-7.25288	-4.43756	114.0169	3427.44
3553_3554	3553	3554	-4650.43	-141.081	7.252875	4.437563	-62.9803	-2393.31
3554_3554	3554	3554	4645.2	261.1153	-18.9866	0.09975	60.79894	2393.37
3554_3555	3554	3555	-4641.27	-249.265	18.98663	-0.09975	72.91988	-596.127
3555_3555	3555	3555	4644.581	411.0724	-23.4951	-1.58944	-74.6406	594.1031
3555_3556	3555	3556	-4639.28	-392.947	23.49506	1.589438	324.9133	3688.031
3556_3556	3556	3556	4626.637	521.1898	-21.4699	9.06675	-325.27	-3687.99
3556_3557	3556	3557	-4625.1	-515.316	21.46988	-9.06675	398.7992	5462.884
3557_3557	3557	3557	4582.338	710.787	5.025563	-5.03344	-400.264	-5465.29
3557_3293	3557	3293	-4579.89	-699.573	-5.02556	5.033438	367.7284	10130.61
43000_3000	43000	3000	5.288063	580.8639	-1.61175	2.670938	0	29.21231
43000_3001	43000	3001	-5.28806	-523.773	1.61175	-2.67094	24.03844	8209.554
43001_3001	43001	3001	5.285438	523.7728	-1.61831	-7.00481	-24.0384	-8209.55
43001_3002	43001	3002	-5.28544	-483.982	1.618313	7.004813	40.85813	13448.22
43002_3002	43002	3002	5.3235	413.7394	2.92425	13.94138	-40.8581	-13448.5
43002_3003	43002	3003	-5.3235	-367.197	-2.92425	-13.9414	5.290688	18196.74
43003_3003	43003	3003	5.32875	367.1968	2.915063	-17.6387	-5.29069	-18196.7

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43003_3004	43003	3004	-5.32875	-320.627	-2.91506	17.63869	-30.1849	22381.4
43004_3004	43004	3004	5.305125	268.2396	0.23625	9.988125	30.18488	-22381.9
43004_3005	43004	3005	-5.30513	-221.679	-0.23625	-9.98813	-33.0566	25361.87
43005_3005	43005	3005	5.306438	221.6786	0.231	-13.2838	33.05663	-25361.9
43005_3006	43005	3006	-5.30644	-175.085	-0.231	13.28381	-35.8706	27776.98
43006_3006	43006	3006	5.303813	122.6991	-0.06431	24.12506	35.87063	-27777.4
43006_3007	43006	3007	-5.30381	-76.1473	0.064313	-24.1251	-35.0818	28986.66
43007_3007	43007	3007	5.303813	76.14731	-0.0735	-26.0833	35.08181	-28986.7
43007_3008	43007	3008	-5.30381	-29.568	0.0735	26.08331	-34.1801	29629.95
43008_3008	43008	3008	5.310375	-22.0106	0.753375	11.4345	34.18013	-29630.8
43008_3009	43008	3009	-5.31038	68.58075	-0.75338	-11.4345	-43.3519	29079.68
43009_3009	43009	3009	5.311688	-68.5808	0.749438	-12.2942	43.35188	-29079.7
43009_3010	43009	3010	-5.31169	115.1469	-0.74944	12.29419	-52.4685	27961.99
43010_3010	43010	3010	5.3025	-167.76	-0.29794	21.28088	52.4685	-27962.5
43010_3011	43010	3011	-5.3025	214.3221	0.297938	-21.2809	-48.8381	25638.37
43011_3011	43011	3011	5.3025	-214.322	-0.30713	-20.58	48.83813	-25638.4
43011_3012	43011	3012	-5.3025	260.8738	0.307125	20.58	-45.1028	22748.42
43012_3012	43012	3012	5.306438	-312.795	0.165375	8.322563	45.10275	-22748.9
43012_3013	43012	3013	-5.30644	359.3756	-0.16538	-8.32256	-47.1148	18658.48
43013_3013	43013	3013	5.306438	-359.376	0.161438	-6.90769	47.11481	-18658.5
43013_3014	43013	3014	-5.30644	405.9536	-0.16144	6.907688	-49.0731	14001.59
43014_3014	43014	3014	5.306438	-462.924	0.13125	5.32875	49.07306	-14001.8
43014_3015	43014	3015	-5.30644	525.9043	-0.13125	-5.32875	-51.2361	5866.027
43015_3015	43015	3015	11.28881	-525.81	0.123375	-3.60938	51.19931	-5862.74
43015_3016	43015	3016	-11.6235	555.2807	-0.12338	3.609375	-52.2204	1407.633
43016_3016	43016	3016	25.97569	-608.052	1.806	-1.42144	62.84381	-2561.26
43016_3017	43016	3017	-27.3578	650.1889	-1.806	1.421438	-84.0814	-5125.61
43017_3017	43017	3017	45.60019	-649.165	1.799438	1.953	84.357	5125.6
43017_3018	43017	3018	-48.7069	700.1571	-1.79944	-1.953	-108.237	-14064.4
43018_3018	43018	3018	73.83863	-760.396	-0.00394	-16.5506	106.8703	14064.42
43018_3019	43018	3019	-78.3431	810.9229	0.003938	16.55063	-106.827	-23884.3
43019_3019	43019	3019	100.7173	-808.45	-0.01312	17.86181	110.7028	23884.31
43019_3020	43019	3020	-107.009	862.2023	0.013125	-17.8618	-110.539	-34157.7
43020_3020	43020	3020	-3181.51	270.7386	-12.9833	-6.72394	316.8191	7215.084
43020_3021	43020	3021	3181.511	-235.884	12.98325	6.723938	-193.562	-4810.17
43021_3021	43021	3021	-3181.53	235.8838	-6.90113	2.471438	193.5623	4810.179
43021_3022	43021	3022	3181.529	-210.189	6.901125	-2.47144	-140.065	-3081.1
43022_3022	43022	3022	-3181.53	210.189	-6.90113	2.471438	140.0648	3081.102
43022_3023	43022	3023	3181.529	-184.494	6.901125	-2.47144	-86.5659	-1551.22
43023_3023	43023	3023	-3181.6	123.5246	-11.8571	-0.42919	86.56594	1551.275
43023_3024	43023	3024	3181.596	-97.0016	11.85713	0.429188	8.318625	-668.937
43024_3024	43024	3024	-3181.6	97.00163	-11.8571	-0.42919	-8.31863	668.9366
43024_3025	43024	3025	3181.596	-70.4786	11.85713	0.429188	103.2032	1.162875
43025_3025	43025	3025	-3181.61	70.47863	-8.3055	-0.4305	-103.203	-1.16287
43025_3026	43025	3026	3181.608	-43.9924	8.3055	0.4305	169.5711	458.5429
43026_3026	43026	3026	-3181.58	-15.6673	-6.8355	-0.19425	-169.571	-458.643
43026_3027	43026	3027	3181.584	35.55694	6.8355	0.19425	210.5919	304.9436
43027_3027	43027	3027	-3181.59	-35.5569	-1.56056	-0.69956	-210.592	-304.942
43027_3028	43027	3028	3181.591	55.44394	1.560563	0.699563	219.9553	31.93444
43028_3028	43028	3028	-3181.59	-55.4439	-1.56056	-0.69956	-219.955	-31.9344
43028_3029	43028	3029	3181.591	75.33094	1.560563	0.699563	229.3187	-360.397
43029_3029	43029	3029	-3181.59	-75.3309	-1.56056	-0.69956	-229.319	360.3968
43029_3030	43029	3030	3181.589	95.21531	-3.71569	0.102375	207.0246	-871.958
43030_3030	43030	3030	-3181.59	-155.366	2.269313	-3.62513	-207.025	871.9003
43030_3031	43030	3031	3181.591	181.9125	-2.26931	3.625125	188.8464	-2222.54
43031_3031	43031	3031	-3181.59	-181.913	5.835375	-1.134	-188.846	2222.543
43031_3032	43031	3032	3181.587	208.4211	-5.83538	1.134	142.17	-3783.51
43032_3032	43032	3032	-3181.58	-208.421	9.795188	3.573938	-142.17	3783.51

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43032_3033	43032	3033	3181.576	234.9283	-9.79519	-3.57394	63.83606	-5556.28
43033_3033	43033	3033	-3181.61	-297.991	5.298563	-12.6656	-63.8361	5556.443
43033_3034	43033	3034	3181.612	323.6664	-5.29856	12.66563	22.79288	-7964.25
43034_3034	43034	3034	-3181.59	-323.666	13.86263	8.774063	-22.7929	7964.254
43034_3035	43034	3035	3181.587	349.3691	-13.8626	-8.77406	-84.7048	-10573.8
43035_3035	43035	3035	-3181.59	-349.369	12.04088	2.718188	84.70481	10573.76
43035_3036	43035	3036	3181.593	384.2554	-12.0409	-2.71819	-199.125	-14340.7
43036_3036	43036	3036	117.6591	718.9271	0.985688	-16.1884	-16.9811	43792.05
43036_3037	43036	3037	-111.366	-665.205	-0.98569	16.18838	4.576688	-34916.1
43037_3037	43037	3037	92.904	668.0336	0.956813	13.629	-7.67025	34916.09
43037_3038	43037	3038	-88.3995	-617.506	-0.95681	-13.629	-4.34438	-26689.3
43038_3038	43038	3038	67.79719	566.5603	-0.25069	-5.50988	5.883938	26690.25
43038_3039	43038	3039	-64.6905	-515.588	0.250688	5.509875	-2.562	-19559.4
43039_3039	43039	3039	58.40231	408.9002	-0.78488	1.410938	21.12338	3730.084
43039_3040	43039	3040	-57.036	-367.209	0.784875	-1.41094	-11.8926	980.3184
43040_3040	43040	3040	48.53231	311.5652	0.009187	2.121	11.90831	-980.331
43040_3041	43040	3041	-48.2029	-282.634	-0.00919	-2.121	-11.9884	3598.13
43041_3041	43041	3041	44.98988	283.1627	-0.03675	-1.49625	12.012	-3598.13
43041_3042	43041	3042	-44.9899	-232.866	0.03675	1.49625	-11.4279	7525.618
43042_3042	43042	3042	44.99119	178.2191	0.097125	3.518813	11.42794	-7525.8
43042_3043	43042	3043	-44.9912	-140.67	-0.09713	-3.51881	-12.5895	9431.744
43043_3043	43043	3043	44.99119	140.6698	0.059063	-4.34306	12.5895	-9431.74
43043_3044	43043	3044	-44.9912	-103.123	-0.05906	4.343063	-13.3035	10888.75
43044_3044	43044	3044	44.9925	52.60106	0.116813	9.625875	13.3035	-10889
43044_3045	43044	3045	-44.9925	-15.057	-0.11681	-9.62588	-14.7	11293.3
43045_3045	43045	3045	44.9925	15.057	0.039375	-9.98288	14.7	-11293.3
43045_3046	43045	3046	-44.9925	22.51331	-0.03938	9.982875	-15.1646	11248.71
43046_3046	43046	3046	44.9925	-72.5064	-0.07613	0.421313	15.16463	-11249
43046_3047	43046	3047	-44.9925	110.04	0.076125	-0.42131	-14.2472	10158.36
43047_3047	43047	3047	44.9925	-110.04	-0.08006	-0.26119	14.24719	-10158.4
43047_3048	43047	3048	-44.9925	147.6051	0.080063	0.261188	-13.2943	8617.828
43048_3048	43048	3048	44.99381	-198.373	0.077438	0.126	13.29431	-8618.05
43048_3049	43048	3049	-44.9938	235.9298	-0.07744	-0.126	-14.2144	6021.742
43049_3049	43049	3049	44.99381	-235.93	0.080063	0.518438	14.21438	-6021.74
43049_3050	43049	3050	-44.9938	273.4568	-0.08006	-0.51844	-15.1699	2979.113
43050_3050	43050	3050	44.99119	-327.956	-0.30319	0.143063	15.16988	-2979.15
43050_3051	43050	3051	-44.9912	378.2034	0.303188	-0.14306	-10.3215	-3015.58
43051_3051	43051	3051	49.28438	-377.668	-0.32681	1.426688	10.33856	3015.585
43051_3052	43051	3052	-49.5876	404.3826	0.326813	-1.42669	-7.64269	-6249.82
43052_3052	43052	3052	60.11775	-460.597	0.952875	-2.21813	7.557375	6249.8
43052_3053	43052	3053	-61.3778	499.0125	-0.95288	2.218125	-18.7583	-11883
43053_3053	43053	3053	78.141	-502.643	0.721875	5.180438	27.69638	12383.93
43053_3054	43053	3054	-81.1532	551.9141	-0.72188	-5.18044	-37.275	-19588.3
43054_3054	43054	3054	101.8763	-608.265	0.723188	-19.6547	35.28	19588.26
43054_3055	43054	3055	-106.23	656.9824	-0.72319	19.65469	-44.352	-27225
43055_3055	43055	3055	124.3423	-653.796	0.647063	21.85313	48.804	27225
43055_3056	43055	3056	-130.403	705.4688	-0.64706	-21.8531	-56.952	-35505.8
43056_3056	43056	3056	-2895.34	326.8886	-10.5617	-5.59519	203.2249	10425.17
43056_3057	43056	3057	2895.338	-293.085	10.56169	5.595188	-102.859	-7479.59
43057_3057	43057	3057	-2895.35	293.0852	-6.83025	4.176375	102.8593	7424.337
43057_3058	43057	3058	2895.35	-266.128	6.83025	-4.17638	-49.9459	-5258.1
43058_3058	43058	3058	-2895.35	266.1278	-6.83025	4.176375	49.94588	5258.096
43058_3059	43058	3059	2895.35	-239.17	6.83025	-4.17638	2.968875	-3300.7
43059_3059	43059	3059	-2895.39	180.1354	-10.6614	-1.33481	-2.96888	3300.735
43059_3060	43059	3060	2895.391	-152.274	10.66144	1.334813	88.33913	-1969.84
43060_3060	43060	3060	-2895.4	152.2736	-7.28831	0.959438	-88.3391	1969.842
43060_3061	43060	3061	2895.401	-124.449	7.288313	-0.95944	146.622	-863.377
43061_3061	43061	3061	-2895.4	124.4486	-7.28831	0.959438	-146.622	863.3769

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43061_3062	43061	3062	2895.401	-96.6236	7.288313	-0.95944	204.9062	20.57344
43062_3062	43062	3062	-2895.39	39.62963	-0.26644	0.300563	-204.906	-20.6259
43062_3063	43062	3063	2895.391	-18.7451	0.266438	-0.30056	206.5088	195.8106
43063_3063	43063	3063	-2895.39	18.74513	-0.26644	0.300563	-206.509	-195.811
43063_3064	43063	3064	2895.391	2.138063	0.266438	-0.30056	208.1126	245.6514
43064_3064	43064	3064	-2895.39	-2.13806	-0.26644	0.300563	-208.113	-245.651
43064_3065	43064	3065	2895.391	23.02125	0.266438	-0.30056	209.7152	170.1459
43065_3065	43065	3065	-2895.39	-23.0213	4.249875	0.035438	-209.715	-170.146
43065_3066	43065	3066	2895.388	43.869	-4.24988	-0.03544	184.2527	-30.24
43066_3066	43066	3066	-2895.38	-100.902	6.212063	-1.39519	-184.253	30.15863
43066_3067	43066	3067	2895.378	128.7549	-6.21206	1.395188	134.5299	-949.367
43067_3067	43067	3067	-2895.38	-128.755	6.212063	-1.39519	-134.53	949.3667
43067_3068	43067	3068	2895.378	156.6088	-6.21206	1.395188	84.80719	-2091.54
43068_3068	43068	3068	-2895.35	-156.609	13.22081	3.668438	-84.8072	2091.534
43068_3069	43068	3069	2895.354	184.422	-13.2208	-3.66844	-20.874	-3454.61
43069_3069	43069	3069	-2895.44	-243.243	5.771063	-8.43281	20.874	3454.689
43069_3070	43069	3070	2895.442	270.2214	-5.77106	8.432813	-65.6237	-5445.31
43070_3070	43070	3070	-2895.43	-270.221	9.282	-1.82963	65.62369	5445.312
43070_3071	43070	3071	2895.433	297.1631	-9.282	1.829625	-137.499	-7641.97
43071_3071	43071	3071	-2895.42	-297.163	13.07119	8.418375	137.4988	7697.219
43071_3072	43071	3072	2895.418	330.9784	-13.0712	-8.41838	-261.743	-10682.6
43072_3072	43072	3072	123.1703	696.3784	-0.0525	-10.6063	35.8365	35788.66
43072_3073	43072	3073	-117.109	-644.709	0.0525	10.60631	-35.1789	-27353.2
43073_3073	43073	3073	99.25913	647.6978	-0.08531	10.19025	32.928	27353.18
43073_3074	43073	3074	-94.9056	-598.991	0.085312	-10.1903	-31.8583	-19533.6
43074_3074	43074	3074	75.03694	552.6754	-0.63525	-0.89775	32.75475	19534.32
43074_3075	43074	3075	-72.0261	-503.388	0.63525	0.89775	-24.3246	-12527.5
43075_3075	43075	3075	50.98275	398.6653	-1.28756	-2.793	17.28431	-3932.48
43075_3076	43075	3076	-49.7648	-361.491	1.287563	2.793	-2.13675	8402.429
43076_3076	43076	3076	41.4855	312.1545	0.791438	10.92263	1.920188	-8402.62
43076_3077	43076	3077	-41.1915	-286.359	-0.79144	-10.9226	-8.442	10868.95
43077_3077	43077	3077	37.93256	286.8088	0.715313	-10.7218	8.565375	-10880
43077_3078	43077	3078	-37.9326	-238.526	-0.71531	10.72181	-18.9735	14701.36
43078_3078	43078	3078	37.926	188.3319	-0.15356	-0.50006	18.9735	-14701.7
43078_3079	43078	3079	-37.926	-151.052	0.153563	0.500063	-17.2489	16607.89
43079_3079	43079	3079	37.926	151.0517	-0.15356	-0.50006	17.24888	-16607.9
43079_3080	43079	3080	-37.926	-113.773	0.153563	0.500063	-15.5229	18095.27
43080_3080	43080	3080	37.92469	69.57563	-0.20081	7.666313	15.52294	-18095.6
43080_3081	43080	3081	-37.9247	-32.2665	0.200813	-7.66631	-13.2707	18668.03
43081_3081	43081	3081	37.92469	32.2665	-0.23231	-8.16769	13.27069	-18668
43081_3082	43081	3082	-37.9247	5.0085	0.232313	8.167688	-10.6588	18821.1
43082_3082	43082	3082	37.92863	-52.4003	0.076125	7.82775	10.65881	-18821.4
43082_3083	43082	3083	-37.9286	92.463	-0.07613	-7.82775	-11.5854	17947.05
43083_3083	43083	3083	37.92863	-92.463	0.043313	-7.665	11.58544	-17947
43083_3084	43083	3084	-37.9286	132.5586	-0.04331	7.665	-12.1157	16587.78
43084_3084	43084	3084	37.92863	-180.02	0.032813	7.122938	12.11569	-16588.1
43084_3085	43084	3085	-37.9286	217.2883	-0.03281	-7.12294	-12.4884	14357.22
43085_3085	43085	3085	37.92863	-217.288	-0.00131	-6.17531	12.48844	-14357.2
43085_3086	43085	3086	-37.9286	254.5896	0.001313	6.175313	-12.4661	11705.4
43086_3086	43086	3086	37.92863	-300.11	-0.13781	4.175063	12.46613	-11705.7
43086_3087	43086	3087	-37.9286	337.4083	0.137813	-4.17506	-10.9226	8123.287
43087_3087	43087	3087	37.92731	-337.408	-0.16931	-2.77069	10.92263	-8123.29
43087_3088	43087	3088	-37.9273	374.6728	0.169313	2.770688	-9.01556	4125.583
43088_3088	43088	3088	37.92863	-422.888	-0.16406	-0.03675	9.015563	-4125.64
43088_3089	43088	3089	-37.9286	469.3159	0.164063	0.03675	-6.72394	-2115.17
43089_3089	43089	3089	43.25475	-468.855	-0.19556	1.701	6.743625	2126.205
43089_3090	43089	3090	-43.5645	496.1683	0.195563	-1.701	-5.13188	-6293.03
43090_3090	43090	3090	55.86	-545.976	0.16275	-5.74088	4.927125	6293.011

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43090_3091	43090	3091	-57.1476	585.2188	-0.16275	5.740875	-6.84075	-13012
43091_3091	43091	3091	76.17619	-588.265	-0.15619	5.814375	12.36769	13399.01
43091_3092	43091	3092	-79.1306	636.7318	0.156188	-5.81438	-10.2887	-21476
43092_3092	43092	3092	102.1046	-692.279	1.001438	-10.7783	8.994563	21475.89
43092_3093	43092	3093	-106.379	740.2434	-1.00144	10.77825	-21.5683	-30556.5
43093_3093	43093	3093	126.8413	-737.013	0.969938	11.89388	23.98594	30556.47
43093_3094	43093	3094	-132.8	787.9003	-0.96994	-11.8939	-36.1922	-40241.7
43094_3094	43094	3094	-3157.91	297.6133	-5.271	-10.2323	14.44275	11020.69
43094_3095	43094	3095	3157.912	-264.386	5.271	10.23225	35.65013	-8240.83
43095_3095	43095	3095	-3157.92	264.3861	1.363688	7.079625	-35.6501	8240.833
43095_3096	43095	3096	3157.917	-238.094	-1.36369	-7.07963	25.09238	-6295.45
43096_3096	43096	3096	-3157.92	238.0941	1.479188	7.310625	-25.0924	6295.447
43096_3097	43096	3097	3157.917	-211.768	-1.47919	-7.31063	13.62375	-4551.53
43097_3097	43097	3097	-3157.96	154.9944	-3.89419	-3.0135	-13.6238	4551.596
43097_3098	43097	3098	3157.956	-127.82	3.894188	3.0135	44.79431	-3419.91
43098_3098	43098	3098	-3157.96	127.8204	-0.05381	1.147125	-44.7943	3419.91
43098_3099	43098	3099	3157.959	-100.679	0.053813	-1.14713	45.2235	-2506.74
43099_3099	43099	3099	-3157.96	100.6793	0.049875	1.2285	-45.2235	2506.74
43099_3100	43099	3100	3157.959	-73.5053	-0.04988	-1.2285	44.8245	-1809.76
43100_3100	43100	3100	-3157.9	18.37106	11.51456	6.657	-44.8245	1809.716
43100_3101	43100	3101	3157.896	2.009438	-11.5146	-6.657	-24.2865	-1760.62
43101_3101	43101	3101	-3157.9	-2.00944	11.51456	6.657	24.2865	1760.615
43101_3102	43101	3102	3157.896	22.38863	-11.5146	-6.657	-93.3988	-1833.83
43102_3102	43102	3102	-3157.88	-22.3886	-14.9533	-8.71369	93.39881	1833.824
43102_3103	43102	3103	3157.882	42.74025	14.95331	8.713688	-3.77475	-2028.99
43103_3103	43103	3103	-3157.9	-42.7403	-9.52088	-5.22375	3.77475	2029.006
43103_3104	43103	3104	3157.903	63.12338	9.520875	5.22375	53.37806	-2346.76
43104_3104	43104	3104	-3157.9	-118.238	-2.05669	-2.90194	-53.3781	2346.759
43104_3105	43104	3105	3157.896	145.4158	2.056688	2.901938	69.84469	-3401.89
43105_3105	43105	3105	-3157.9	-145.416	1.767938	1.218	-69.8447	3401.888
43105_3106	43105	3106	3157.897	172.5583	-1.76794	-1.218	55.713	-4672.77
43106_3106	43106	3106	-3157.9	-172.558	1.886063	1.393875	-55.713	4672.77
43106_3107	43106	3107	3157.897	199.7363	-1.88606	-1.39388	40.61531	-6162.62
43107_3107	43107	3107	-3157.91	-256.453	0.426563	-4.62131	-40.6153	6162.695
43107_3108	43107	3108	3157.914	282.7794	-0.42656	4.621313	37.30913	-8253.06
43108_3108	43108	3108	-3157.91	-282.779	0.311063	-4.9245	-37.3091	8253.063
43108_3109	43108	3109	3157.914	309.0714	-0.31106	4.9245	34.90463	-10544.5
43109_3109	43109	3109	-3157.91	-309.071	3.640875	6.195	-34.9046	10544.45
43109_3110	43109	3110	3157.913	342.2961	-3.64088	-6.195	0.3045	-13776
43110_3110	43110	3110	140.0753	731.4694	-0.65494	-28.4891	34.13025	43604.07
43110_3111	43110	3111	-134.117	-680.59	0.654938	28.48913	-25.8864	-34637.1
43111_3111	43111	3111	115.2152	684.0435	-0.74288	26.14369	20.15475	34637.13
43111_3112	43111	3112	-110.94	-636.089	0.742875	-26.1437	-10.8281	-26531
43112_3112	43112	3112	90.07819	590.1079	-0.168	-4.90875	13.43081	26531.6
43112_3113	43112	3113	-87.1251	-541.62	0.168	4.90875	-11.2048	-19054.9
43113_3113	43113	3113	65.07769	435.4704	-0.65494	0.53025	26.23031	2008.651
43113_3114	43113	3114	-63.8033	-396.636	0.654938	-0.53025	-18.5351	3084.441
43114_3114	43114	3114	54.70631	346.8124	-0.40819	-0.62213	18.55088	-3084.52
43114_3115	43114	3115	-54.3992	-319.788	0.408188	0.622125	-15.1843	6256.862
43115_3115	43115	3115	50.76225	320.3852	-0.40425	-0.43575	15.17644	-6272.91
43115_3116	43115	3116	-50.7623	-275.569	0.40425	0.43575	-9.32006	10024.24
43116_3116	43116	3116	50.76225	227.8566	0.056438	10.46588	9.320063	-10024.2
43116_3117	43116	3117	-50.7623	-193.117	-0.05644	-10.4659	-9.95663	12390.49
43117_3117	43117	3117	50.76225	193.1173	-0.03281	-11.3873	9.956625	-12390.5
43117_3118	43117	3118	-50.7623	-158.41	0.032813	11.38725	-9.5865	14364.59
43118_3118	43118	3118	50.76094	114.6534	-0.03675	13.50694	9.5865	-14364.7
43118_3119	43118	3119	-50.7609	-79.9457	0.03675	-13.5069	-9.17175	15457.51
43119_3119	43119	3119	50.76094	79.94569	-0.12731	-14.0149	9.17175	-15457.5

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43119_3120	43119	3120	-50.7609	-45.2393	0.127313	14.01488	-7.74113	16160.51
43120_3120	43120	3120	50.76094	-0.50531	-0.23888	6.549375	7.741125	-16160.4
43120_3121	43120	3121	-50.7609	37.80788	0.238875	-6.54938	-4.86281	15929.18
43121_3121	43121	3121	50.76094	-37.8079	-0.28088	-6.64519	4.862813	-15929.2
43121_3122	43121	3122	-50.7609	75.10913	0.280875	6.645188	-1.47525	15247.67
43122_3122	43122	3122	50.75963	-121.366	-0.13256	6.351188	1.47525	-15247.7
43122_3123	43122	3123	-50.7596	156.0707	0.132563	-6.35119	0.013125	13689.76
43123_3123	43123	3123	50.75963	-156.071	-0.1785	-5.96794	-0.01312	-13689.8
43123_3124	43123	3124	-50.7596	190.806	0.1785	5.967938	2.017313	11740.2
43124_3124	43124	3124	50.75963	-235.67	-0.25463	8.293688	-2.01731	-11740.2
43124_3125	43124	3125	-50.7596	270.3737	0.254625	-8.29369	4.875938	8898.638
43125_3125	43125	3125	50.75963	-270.374	-0.34519	-7.55344	-4.87594	-8898.64
43125_3126	43125	3126	-50.7596	305.0775	0.345188	7.553438	8.749125	5667.375
43126_3126	43126	3126	50.75963	-353.635	-0.02494	0.58275	-8.74913	-5667.35
43126_3127	43126	3127	-50.7596	396.312	0.024938	-0.58275	9.08775	518.1669
43127_3127	43127	3127	55.25888	-395.71	-0.084	0.133875	-9.08644	-502.699
43127_3128	43127	3128	-55.5411	420.5211	0.084	-0.13388	9.782063	-3066.48
43128_3128	43128	3128	66.3285	-473.727	-0.32681	-6.15169	-9.99075	3066.375
43128_3129	43128	3129	-67.4993	509.4403	0.326813	6.151688	13.83638	-9191.8
43129_3129	43129	3129	87.48075	-514.188	0.639188	12.48713	-12.1288	9797.01
43129_3130	43129	3130	-90.3407	561.1358	-0.63919	-12.4871	3.6435	-16868.9
43130_3130	43130	3130	111.2304	-616.557	-1.10906	-7.67813	-5.09775	16868.74
43130_3131	43130	3131	-115.377	663.0579	1.109063	7.678125	19.00894	-25136.2
43131_3131	43131	3131	138.9806	-658.514	-1.14713	9.657375	-17.1846	25136.21
43131_3132	43131	3132	-144.771	704.7324	1.147125	-9.65738	30.68625	-33397.4
43132_3132	43132	3132	-2852.01	274.0592	34.7655	19.83844	-427.619	8406.29
43132_3133	43132	3133	2852.009	-239.237	-34.7655	-19.8384	69.53363	-5517.97
43133_3133	43133	3133	-2852.05	239.2373	31.08525	12.71813	-69.5336	5517.995
43133_3134	43133	3134	2852.051	-215.283	-31.0853	-12.7181	-171.38	-3756.73
43134_3134	43134	3134	-2852.22	215.2828	-1.89263	-30.7178	171.3797	3756.626
43134_3135	43134	3135	2852.22	-191.234	1.892625	30.71775	-156.655	-2175.14
43135_3135	43135	3135	-2852.33	136.8268	-3.70781	-0.35175	156.6548	2175.718
43135_3136	43135	3136	2852.325	-112.097	3.707813	0.35175	-126.987	-1179.89
43136_3136	43136	3136	-2852.33	112.0967	-3.70781	-0.35175	126.987	1179.89
43136_3137	43136	3137	2852.325	-87.3666	3.707813	0.35175	-97.3193	-381.928
43137_3137	43137	3137	-2852.33	87.36656	-0.19688	0.118125	97.31925	381.9283
43137_3138	43137	3138	2852.328	-62.6679	0.196875	-0.11813	-95.7456	217.5311
43138_3138	43138	3138	-2852.33	10.31231	-4.23413	0.022313	95.74556	-217.62
43138_3139	43138	3139	2852.329	8.235938	4.234125	-0.02231	-70.3343	223.8508
43139_3139	43139	3139	-2852.33	-8.23594	-4.23413	0.022313	70.33425	-223.851
43139_3140	43139	3140	2852.329	26.78288	4.234125	-0.02231	-44.9229	118.7813
43140_3140	43140	3140	-2852.33	-26.7829	0.518438	-0.17588	44.92294	-118.78
43140_3141	43140	3141	2852.333	45.32981	-0.51844	0.175875	-48.0323	-97.5831
43141_3141	43141	3141	-2852.33	-45.3298	-4.23413	-0.33863	48.03225	97.58306
43141_3142	43141	3142	2852.329	63.87806	4.234125	0.338625	-22.6209	-425.253
43142_3142	43142	3142	-2852.33	-117.569	-3.03319	-0.16275	22.62094	425.1686
43142_3143	43142	3143	2852.33	142.2986	3.033188	0.16275	1.644563	-1464.78
43143_3143	43143	3143	-2852.33	-142.299	0.531563	1.668188	-1.64456	1464.778
43143_3144	43143	3144	2852.332	167.0288	-0.53156	-1.66819	-2.60925	-2702.23
43144_3144	43144	3144	-2852.33	-167.029	-3.03319	-1.70888	2.60925	2702.226
43144_3145	43144	3145	2852.33	191.7589	3.033188	1.708875	21.65756	-4137.56
43145_3145	43145	3145	-2852.29	-249.649	-3.45975	2.518688	-21.6576	4137.578
43145_3146	43145	3146	2852.294	273.6064	3.45975	-2.51869	48.47325	-6165.44
43146_3146	43146	3146	-2852.29	-273.606	-7.13869	-5.43375	-48.4733	6165.433
43146_3147	43146	3147	2852.287	297.5634	7.138688	5.43375	103.8096	-8379.03
43147_3147	43147	3147	-2852.29	-297.563	-4.33125	2.815313	-103.81	8379.028
43147_3148	43147	3148	2852.294	329.6843	4.33125	-2.81531	144.9617	-11358.8
43148_3148	43148	3148	149.1879	646.6307	-0.03938	-0.89775	-6.67275	36923.6

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43148_3149	43148	3149	-143.396	-597.201	0.039375	0.89775	7.174125	-29105.3
43149_3149	43149	3149	126.7967	600.9439	-0.04069	-0.32681	-7.22925	29105.27
43149_3150	43149	3150	-122.651	-554.438	0.040687	0.326813	7.739813	-21857.2
43150_3150	43150	3150	104.0143	507.6855	-1.365	-0.45413	-7.72538	21857.18
43150_3151	43150	3151	-101.154	-460.732	1.365	0.454125	25.84706	-15430.9
43151_3151	43151	3151	80.94056	340.2788	-0.21263	-0.34256	-5.91938	-370.36
43151_3152	43151	3152	-79.737	-303.585	0.212625	0.342563	8.423625	4154.998
43152_3152	43152	3152	72.59438	251.055	0.147	-1.42669	-8.41444	-4154.99
43152_3153	43152	3153	-72.3043	-225.557	-0.147	1.426688	7.201688	6121.318
43153_3153	43153	3153	69.73706	226.3643	0.164063	0.211313	-7.21744	-6121.32
43153_3154	43153	3154	-69.7371	-185.212	-0.16406	-0.21131	4.956	8949.205
43154_3154	43154	3154	69.73706	135.1862	0.177188	4.496625	-4.956	-8949.19
43154_3155	43154	3155	-69.7371	-102.241	-0.17719	-4.49663	3.012188	10255.21
43155_3155	43155	3155	69.73706	102.2411	0.112875	-4.82344	-3.01219	-10255.2
43155_3156	43155	3156	-69.7371	-69.2948	-0.11288	4.823438	1.767938	11198.77
43156_3156	43156	3156	69.73706	24.42563	0.187688	-0.00788	-1.76794	-11198.8
43156_3157	43156	3157	-69.7371	5.555813	-0.18769	0.007875	-0.1155	11293.25
43157_3157	43157	3157	69.73706	-5.55581	0.187688	-0.00788	0.1155	-11293.2
43157_3158	43157	3158	-69.7371	35.53594	-0.18769	0.007875	-1.99763	11087.56
43158_3158	43158	3158	69.73969	-76.2195	0.03675	0.242813	1.997625	-11087.5
43158_3159	43158	3159	-69.7397	106.2009	-0.03675	-0.24281	-2.36513	10174.35
43159_3159	43159	3159	69.73969	-106.201	0.035438	0.081375	2.365125	-10174.4
43159_3160	43159	3160	-69.7397	136.2113	-0.03544	-0.08138	-2.72081	8959.713
43160_3160	43160	3160	69.73969	-181.536	0.0945	3.420375	2.720813	-8959.76
43160_3161	43160	3161	-69.7397	214.452	-0.0945	-3.42038	-3.75244	6783.511
43161_3161	43161	3161	69.73969	-214.452	0.028875	-2.8455	3.752438	-6783.51
43161_3162	43161	3162	-69.7397	247.3984	-0.02888	2.8455	-4.07663	4243.033
43162_3162	43162	3162	69.73838	-298.642	0.15225	0.423938	4.076625	-4243.02
43162_3163	43162	3163	-69.7384	339.8246	-0.15225	-0.42394	-6.174	-148.475
43163_3163	43163	3163	73.59844	-339.01	0.221813	0.208688	6.177938	148.4753
43163_3164	43163	3164	-73.8885	364.4773	-0.22181	-0.20869	-8.00363	-3076.36
43164_3164	43164	3164	83.52488	-419.194	0.027562	2.243063	8.078438	3076.235
43164_3165	43164	3165	-84.7284	455.8864	-0.02756	-2.24306	-8.40131	-8271.54
43165_3165	43165	3165	104.3989	-462.095	-0.35175	-2.51475	7.069125	9000.754
43165_3166	43165	3166	-107.297	509.6608	0.35175	2.51475	-2.39269	-15513.7
43166_3166	43166	3166	127.4398	-572.499	0.271688	0.126	2.563313	15513.76
43166_3167	43166	3167	-131.637	619.5827	-0.27169	-0.126	-5.96794	-23066.9
43167_3167	43167	3167	148.6944	-615.712	0.271688	-0.03938	5.96925	23066.89
43167_3168	43167	3168	-154.553	665.7591	-0.27169	0.039375	-9.38438	-30899.9
43168_3168	43168	3168	-2731.03	305.0276	-2.58563	-5.04788	15.47044	8343.796
43168_3169	43168	3169	2731.029	-272.467	2.585625	5.047875	9.093	-5600.31
43169_3169	43169	3169	-2731.03	272.4671	1.1235	2.55675	-9.093	5600.312
43169_3170	43169	3170	2731.03	-247.849	-1.1235	-2.55675	0.387188	-3583.85
43170_3170	43170	3170	-2731.03	247.8486	1.1235	2.55675	-0.38719	3583.847
43170_3171	43170	3171	2731.03	-223.231	-1.1235	-2.55675	-8.31994	-1758.19
43171_3171	43171	3171	-2731.03	161.6948	-0.56569	-0.08531	8.319938	1758.296
43171_3172	43171	3172	2731.034	-136.315	0.565688	0.085313	-3.79575	-567.588
43172_3172	43172	3172	-2731.03	136.3149	-0.51056	-0.0735	3.79575	567.588
43172_3173	43172	3173	2731.034	-110.902	0.510563	0.0735	0.28875	421.4123
43173_3173	43173	3173	-2731.03	110.9023	-0.51056	-0.0735	-0.28875	-421.412
43173_3174	43173	3174	2731.034	-85.491	0.510563	0.0735	4.371938	1207.088
43174_3174	43174	3174	-2731.03	28.25419	2.417625	-1.07625	-4.37194	-1207.17
43174_3175	43174	3175	2731.025	-9.19538	-2.41763	1.07625	-10.1351	1319.538
43175_3175	43175	3175	-2731.03	9.195375	-2.13281	1.122188	10.13513	-1319.54
43175_3176	43175	3176	2731.025	9.863438	2.132813	-1.12219	2.665688	1317.533
43176_3176	43176	3176	-2731.03	-9.86344	2.417625	-1.07363	-2.66569	-1317.53
43176_3177	43176	3177	2731.025	28.92225	-2.41763	1.073625	-11.8414	1201.163
43177_3177	43177	3177	-2731.03	-28.9223	-2.13281	0.927938	11.84138	-1201.16

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43177_3178	43177	3178	2731.025	47.98106	2.132813	-0.92794	0.958125	970.4192
43178_3178	43178	3178	-2731.03	-105.567	-0.49219	-0.45413	-0.95813	-970.434
43178_3179	43178	3179	2731.034	130.9796	0.492188	0.454125	4.896938	24.12375
43179_3179	43179	3179	-2731.03	-130.98	-0.49219	-0.45413	-4.89694	-24.1238
43179_3180	43179	3180	2731.034	156.3909	0.492188	0.454125	8.837063	-1125.51
43180_3180	43180	3180	-2731.03	-156.391	2.920313	0.951563	-8.83706	1125.509
43180_3181	43180	3181	2731.033	181.8036	-2.92031	-0.95156	-14.5307	-2478.44
43181_3181	43181	3181	-2731.01	-243.713	-3.40463	-3.42038	14.53069	2478.56
43181_3182	43181	3182	2731.005	268.2999	3.404625	3.420375	11.823	-4460.33
43182_3182	43182	3182	-2731.01	-268.3	0.177188	2.429438	-11.823	4460.332
43182_3183	43182	3183	2731.008	292.9172	-0.17719	-2.42944	10.44488	-6635.31
43183_3183	43183	3183	-2731.01	-292.917	-0.65625	0.402938	-10.4449	6635.31
43183_3184	43183	3184	2731.008	325.4777	0.65625	-0.40294	16.68188	-9764.52
43184_3184	43184	3184	148.4346	641.7351	-0.22706	-0.462	-1.11038	33069.51
43184_3185	43184	3185	-142.576	-591.688	0.227063	0.462	3.97425	-25401.9
43185_3185	43185	3185	126.1851	595.3999	-0.22706	-0.35175	-3.98606	25401.94
43185_3186	43185	3186	-121.986	-548.315	0.227063	0.35175	6.842063	-18186.8
43186_3186	43186	3186	103.1494	495.7378	-0.24281	-0.91744	-6.804	18186.7
43186_3187	43186	3187	-100.251	-448.172	0.242813	0.917438	10.02225	-12121.5
43187_3187	43187	3187	70.91175	327.5318	-0.30713	0.127313	2.500313	-4827.08
43187_3188	43187	3188	-69.6531	-289.178	0.307125	-0.12731	1.105125	8742.081
43188_3188	43188	3188	62.78606	233.4767	0.107625	-1.91494	-1.07888	-8742.06
43188_3189	43188	3189	-62.4842	-206.812	-0.10763	1.914938	0.191625	9910.958
43189_3189	43189	3189	60.12956	207.5089	0.123375	0.586688	-0.21263	-9902.04
43189_3190	43189	3190	-60.1296	-162.574	-0.12338	-0.58669	-1.47525	12444.83
43190_3190	43190	3190	60.13088	108.4899	0.055125	-0.30713	1.47525	-12444.9
43190_3191	43190	3191	-60.1309	-72.5156	-0.05513	0.307125	-2.07506	13440.57
43191_3191	43191	3191	60.13088	72.51563	0.055125	-0.30713	2.075063	-13440.6
43191_3192	43191	3192	-60.1309	-36.5426	-0.05513	0.307125	-2.67356	14040.47
43192_3192	43192	3192	60.12956	-12.1052	0.148313	-0.09581	2.673563	-14040.4
43192_3193	43192	3193	-60.1296	45.03713	-0.14831	0.095813	-4.16194	13752.63
43193_3193	43193	3193	60.12956	-45.0371	0.148313	-0.09581	4.161938	-13752.6
43193_3194	43193	3194	-60.1296	77.96775	-0.14831	0.095813	-5.649	13133.22
43194_3194	43194	3194	60.1335	-122.475	-0.05644	0.170625	5.649	-13133.2
43194_3195	43194	3195	-60.1335	155.4066	0.056437	-0.17063	-5.07806	11733.91
43195_3195	43195	3195	60.1335	-155.407	-0.05644	0.170625	5.078063	-11733.9
43195_3196	43195	3196	-60.1335	188.3385	0.056437	-0.17063	-4.50844	10002.94
43196_3196	43196	3196	60.13088	-236.783	0.02625	-2.83631	4.508438	-10002.9
43196_3197	43196	3197	-60.1309	272.7231	-0.02625	2.836313	-4.7985	7202.875
43197_3197	43197	3197	60.13088	-272.723	0.080063	3.609375	4.7985	-7202.88
43197_3198	43197	3198	-60.1309	308.6961	-0.08006	-3.60938	-5.68181	4004.645
43198_3198	43198	3198	60.13088	-362.852	0.035438	0.43575	5.681813	-4004.69
43198_3199	43198	3199	-60.1309	407.82	-0.03544	-0.43575	-6.174	-1333.2
43199_3199	43199	3199	64.85194	-407.096	0.021	0.683813	6.183188	1315.376
43199_3200	43199	3200	-65.1735	434.8641	-0.021	-0.68381	-6.35775	-4893.26
43200_3200	43200	3200	76.58306	-491.489	0.89775	-0.72581	6.328875	4893.275
43200_3201	43200	3201	-77.9166	531.3827	-0.89775	0.725813	-16.8735	-11081.3
43201_3201	43201	3201	98.26556	-537.532	0.489563	2.07375	23.27194	11838.74
43201_3202	43201	3202	-101.549	590.6998	-0.48956	-2.07375	-29.7728	-19361.1
43202_3202	43202	3202	124.1061	-653.048	0.641813	0.679875	29.77013	19361.13
43202_3203	43202	3203	-128.83	705.4136	-0.64181	-0.67988	-37.8302	-27779.8
43203_3203	43203	3203	148.2994	-701.58	0.641813	-0.3675	37.83413	27779.81
43203_3204	43203	3204	-154.838	756.9083	-0.64181	0.3675	-45.9178	-37048.2
43204_3204	43204	3204	-3082.22	337.2758	1.752188	2.670938	26.24081	10548.72
43204_3205	43204	3205	3082.217	-300.7	-1.75219	-2.67094	-42.8859	-7413.51
43205_3205	43205	3205	-3082.22	300.7003	-1.28231	-4.47038	42.88594	7035.679
43205_3206	43205	3206	3082.219	-272.807	1.282313	4.470375	-32.9451	-4813.03
43206_3206	43206	3206	-3082.22	272.8071	2.69325	1.739063	32.94506	4813.027

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43206_3207	43206	3207	3082.217	-244.914	-2.69325	-1.73906	-53.8217	-2806.62
43207_3207	43207	3207	-3082.05	178.6418	-6.71475	-0.3255	53.82169	2806.713
43207_3208	43207	3208	3082.051	-149.848	6.71475	0.3255	-0.09712	-1492.58
43208_3208	43208	3208	-3082.05	149.8481	-6.77775	-0.357	0.097125	1492.584
43208_3209	43208	3209	3082.049	-121.091	6.77775	0.357	54.06056	-410.041
43209_3209	43209	3209	-3082.06	121.0913	-2.86256	0.164063	-54.0606	410.0408
43209_3210	43209	3210	3082.056	-92.2976	2.862563	-0.16406	76.96894	443.6106
43210_3210	43210	3210	-3082.14	27.46538	-3.6015	0.187688	-76.9689	-443.759
43210_3211	43210	3211	3082.137	-5.87081	3.6015	-0.18769	98.58188	543.7793
43211_3211	43211	3211	-3082.14	5.870813	-3.6015	0.187688	-98.5819	-543.779
43211_3212	43211	3212	3082.137	15.72506	3.6015	-0.18769	120.1961	514.2126
43212_3212	43212	3212	-3082.14	-15.7251	1.534313	-0.66938	-120.196	-514.211
43212_3213	43212	3213	3082.139	37.31963	-1.53431	0.669375	110.9929	355.0614
43213_3213	43213	3213	-3082.14	-37.3196	-3.6015	-0.07744	-110.993	-355.063
43213_3214	43213	3214	3082.137	58.91419	3.6015	0.077437	132.6071	66.32194
43214_3214	43214	3214	-3082.25	-124.038	7.056	0.822938	-132.607	-66.3141
43214_3215	43214	3215	3082.254	152.8301	-7.056	-0.82294	76.14731	-1041.29
43215_3215	43215	3215	-3082.26	-152.83	3.205125	-0.47906	-76.1473	1041.285
43215_3216	43215	3216	3082.261	181.6238	-3.20513	0.479063	50.50631	-2379.28
43216_3216	43216	3216	-3082.26	-181.624	3.205125	-0.47906	-50.5063	2379.279
43216_3217	43216	3217	3082.261	210.4174	-3.20513	0.479063	24.86531	-3947.65
43217_3217	43217	3217	-3082.19	-276.315	2.9505	-7.077	-24.8653	3947.539
43217_3218	43217	3218	3082.194	304.2073	-2.9505	7.077	1.993688	-6197.33
43218_3218	43218	3218	-3082.19	-304.207	-1.02506	-15.0714	-1.99369	6197.321
43218_3219	43218	3219	3082.195	332.1019	1.025063	15.07144	9.939562	-8663.37
43219_3219	43219	3219	-3082.17	-332.102	11.69963	22.12875	-9.93956	9041.177
43219_3220	43219	3220	3082.173	368.6366	-11.6996	-22.1288	-101.095	-12366.4
43220_3220	43220	3220	146.2716	734.7099	-1.69706	-49.0875	50.00231	39070.92
43220_3221	43220	3221	-139.733	-679.387	1.697063	49.0875	-28.6414	-30174.7
43221_3221	43221	3221	120.8721	682.9935	-1.88606	46.30631	18.59681	30174.7
43221_3222	43221	3222	-116.148	-630.633	1.886063	-46.3063	5.072813	-22153.2
43222_3222	43222	3222	94.70475	576.4566	4.353563	-3.81675	-0.65756	22152.39
43222_3223	43222	3223	-91.4209	-523.296	-4.35356	3.81675	-57.1436	-14781.8
43223_3223	43223	3223	52.77169	393.4206	-0.22706	-4.26563	1.059188	-2013.68
43223_3224	43223	3224	-51.3686	-351.414	0.227063	4.265625	1.617	6626.439
43224_3224	43224	3224	42.97913	291.1335	0.511875	22.66688	-2.02125	-6626.52
43224_3225	43224	3225	-42.6405	-261.905	-0.51188	-22.6669	-2.20631	8653.076
43225_3225	43225	3225	39.606	262.3819	0.328125	-17.6781	2.468813	-8647.57
43225_3226	43225	3226	-39.606	-203.91	-0.32813	17.67806	-7.69388	12361.85
43226_3226	43226	3226	39.60075	141.2814	0.825563	28.59019	7.693875	-12360.8
43226_3227	43226	3227	-39.6008	-96.8664	-0.82556	-28.5902	-17.6846	13801.78
43227_3227	43227	3227	39.60338	96.86644	0.6615	-28.6506	17.68463	-13801.8
43227_3228	43227	3228	-39.6034	-52.4843	-0.6615	28.65056	-25.683	14704.79
43228_3228	43228	3228	39.59944	-6.24619	0.826875	29.89481	25.683	-14702.2
43228_3229	43228	3229	-39.5994	50.631	-0.82688	-29.8948	-35.6816	14358.33
43229_3229	43229	3229	39.60206	-50.631	0.662813	-29.4486	35.68163	-14358.3
43229_3230	43229	3230	-39.6021	95.02106	-0.66281	29.44856	-43.7023	13477.54
43230_3230	43230	3230	39.62569	-154.169	-0.10763	23.63813	43.70231	-13474.3
43230_3231	43230	3231	-39.6257	199.1863	0.107625	-23.6381	-42.3872	11307.24
43231_3231	43231	3231	39.62569	-199.186	-0.27038	-22.7443	42.38719	-11307.2
43231_3232	43231	3232	-39.6257	244.1723	0.270375	22.74431	-39.081	8590.072
43232_3232	43232	3232	39.54169	-309.977	2.160375	7.437938	39.081	-8587.85
43232_3233	43232	3233	-39.5417	338.7366	-2.16038	-7.43794	-56.0044	6046.271
43233_3233	43233	3233	39.543	-338.737	2.135438	3.74325	56.00438	-6046.28
43233_3234	43233	3234	-39.543	366.1009	-2.13544	-3.74325	-71.9276	3418.77
43234_3234	43234	3234	43.84669	-365.61	2.023875	-6.77644	71.85281	-3418.77
43234_3235	43234	3235	-44.2365	398.8609	-2.02388	6.776438	-89.7999	29.93322
43235_3235	43235	3235	52.46325	-460.812	1.98975	-5.06494	89.76713	-29.8061

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43235_3236	43235	3236	-53.0814	482.9121	-1.98975	5.064938	-101.439	-2794.72
43236_3236	43236	3236	68.13188	-488.57	4.759125	-3.96375	180.4583	3659.525
43236_3237	43236	3237	-68.9627	509.3051	-4.75913	3.96375	-205.536	-6279.12
43237_3237	43237	3237	77.65538	-508.053	4.618688	10.53019	206.4681	6279.084
43237_3238	43237	3238	-80.304	554.3974	-4.61869	-10.5302	-252.27	-11599.5
43238_3238	43238	3238	97.08431	-605.782	-1.80863	-19.4224	250.5064	11596.08
43238_3239	43238	3239	-101	655.1738	1.808625	19.42238	-231.868	-18157.4
43239_3239	43239	3239	116.0775	-652.671	-1.92281	17.08875	235.6502	18157.32
43239_3240	43239	3240	-121.574	706.2759	1.922813	-17.0888	-214.858	-25322.1
43240_3240	43240	3240	142.9352	-734.902	-52.6142	-42.2756	208.4014	25311.47
43240_3241	43240	3241	-147.568	772.7423	52.61419	42.27563	179.7193	-30871.5
43241_3241	43241	3241	-3018.34	421.0369	-19.4906	5.69625	559.6907	8710.394
43241_3242	43241	3242	3018.339	-377.921	19.49063	-5.69625	-374.602	-4916.73
43242_3242	43242	3242	-3018.39	377.9213	-8.69006	23.289	374.6019	4916.679
43242_3243	43242	3243	3018.389	-343.589	8.690063	-23.289	-307.907	-2147.88
43243_3243	43243	3243	-3015.37	269.1045	-47.9443	0.001313	307.9073	2146.002
43243_3244	43243	3244	3015.372	-226.518	47.94431	-0.00131	148.5317	213.2078
43244_3244	43244	3244	-3015.47	226.5178	-41.3477	-0.46594	-148.532	-213.208
43244_3245	43244	3245	3015.47	-181.325	41.34769	0.465938	566.2663	2273.401
43245_3245	43245	3245	-3016.43	119.0503	-17.787	6.832875	-566.266	-2272.42
43245_3246	43245	3246	3016.428	-74.5658	17.787	-6.83288	743.1559	3235.141
43246_3246	43246	3246	-3016.48	74.56575	-5.64375	-6.19106	-743.156	-3235.14
43246_3247	43246	3247	3016.475	-31.2782	5.64375	6.191063	797.7743	3747.257
43247_3247	43247	3247	-3016.45	-33.8835	-0.81113	6.549375	-797.774	-3746.25
43247_3248	43247	3248	3016.449	74.97788	0.811125	-6.54938	805.2306	3246.209
43248_3248	43248	3248	-3016.43	-74.9779	9.347625	-4.38375	-805.231	-3246.21
43248_3249	43248	3249	3016.435	121.6478	-9.34763	4.38375	707.7092	2220.509
43249_3249	43249	3249	-3014.54	-176.288	-23.6513	-0.252	-707.709	-2220.04
43249_3250	43249	3250	3014.543	222.0264	23.65125	0.252	949.5281	183.7474
43250_3250	43250	3250	-3014.6	-222.026	-14.8352	-0.78881	-949.528	-183.746
43250_3251	43250	3251	3014.6	264.0934	14.83519	0.788813	1089.035	-2102.01
43251_3251	43251	3251	-3019.03	-315.887	102.0863	-13.7393	-1089.04	2101.164
43251_3252	43251	3252	3019.032	353.4746	-102.086	13.73925	231.2441	-4913.36
43252_3252	43252	3252	-3018.67	-353.475	112.1623	2.660438	-231.244	4913.384
43252_3253	43252	3253	3018.674	391.1631	-112.162	-2.66044	-713.752	-8050.26
43253_3253	43253	3253	-3018.53	-391.163	115.9869	12.86119	713.7519	8050.253
43253_3254	43253	3254	3018.53	425.9535	-115.987	-12.8612	-1602.55	-11181
43254_3254	43254	3254	-3012.58	-463.763	-50.9132	-136.627	1602.555	11175.25
43254_3255	43254	3255	3012.583	478.5848	50.91319	136.6273	-1436.34	-12840.6
43255_3255	43255	3255	153.132	674.8678	-72.6193	-9.33844	1099.539	35313.79
43255_3256	43255	3256	-146.113	-622.607	72.61931	9.338438	-352.377	-28574.6
43256_3256	43256	3256	122.2436	627.7071	-72.8149	66.66188	343.1991	28574.6
43256_3257	43256	3257	-118.384	-587.5	72.81488	-66.6619	253.7259	-23777.7
43257_3257	43257	3257	100.2317	536.508	18.47869	-38.5967	-243.969	23772.55
43257_3258	43257	3258	-96.6394	-489.308	-18.4787	38.59669	61.21238	-18781.7
43258_3258	43258	3258	86.85338	491.1454	18.35006	1.974	-64.1747	18781.77
43258_3259	43258	3259	-84.6024	-450.926	-18.3501	-1.974	-94.017	-14741.6
43259_3259	43259	3259	78.28931	452.0736	18.16631	44.61713	92.19656	14741.56
43259_3260	43259	3260	-77.7696	-439.619	-18.1663	-44.6171	-149.622	-13275.8
43260_3260	43260	3260	99.93375	390.5672	-0.52106	20.90025	36.64763	-3806.69
43260_3261	43260	3261	-98.9953	-360.18	0.521063	-20.9003	-32.7377	6733.474
43261_3261	43261	3261	92.33044	361.9455	-0.70744	6.558563	33.28763	-6733.5
43261_3262	43261	3262	-91.8632	-324.261	0.707438	-6.55856	-26.6726	9681.62
43262_3262	43262	3262	87.83513	325.3753	-1.00669	-27.0244	26.75138	-9703.84
43262_3263	43262	3263	-87.8351	-295.001	1.006688	27.02438	-19.0365	12079.75
43263_3263	43263	3263	87.79313	220.6536	2.2995	19.86469	19.0365	-12078.7
43263_3264	43263	3264	-87.7931	-175.977	-2.2995	-19.8647	-44.94	14312.98
43264_3264	43264	3264	87.79969	175.9774	2.075063	-16.6832	44.94	-14313

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43264_3265	43264	3265	-87.7997	-129.251	-2.07506	16.68319	-69.3893	16111.32
43265_3265	43265	3265	87.80888	65.40975	1.29675	32.21925	69.38925	-16110.6
43265_3266	43265	3266	-87.8089	-19.3384	-1.29675	-32.2193	-84.4554	16602.94
43266_3266	43266	3266	87.81281	19.33838	0.964688	-30.5681	84.45544	-16602.9
43266_3267	43266	3267	-87.8128	25.99538	-0.96469	30.56813	-95.4844	16564.89
43267_3267	43267	3267	87.81675	-89.208	1.098563	22.21538	95.48438	-16565
43267_3268	43267	3268	-87.8168	135.2413	-1.09856	-22.2154	-108.23	15262.25
43268_3268	43268	3268	87.81938	-135.241	0.851813	-20.5091	108.2301	-15262.3
43268_3269	43268	3269	-87.8194	180.6105	-0.85181	20.50913	-117.981	13455.36
43269_3269	43269	3269	87.81938	-247.375	0.35175	19.67044	117.9806	-13456
43269_3270	43269	3270	-87.8194	295.7719	-0.35175	-19.6704	-122.27	10141.55
43270_3270	43270	3270	87.82069	-295.772	0.01575	-19.0313	122.2699	-10141.5
43270_3271	43270	3271	-87.8207	343.7149	-0.01575	19.03125	-122.467	6275.817
43271_3271	43271	3271	87.88369	-415.696	6.528375	6.93	122.4668	-6276
43271_3272	43271	3272	-87.8837	443.1814	-6.52838	-6.93	-167.715	3464.506
43272_3272	43272	3272	93.38831	-442.057	6.324938	-4.39688	167.6732	-3441.12
43272_3273	43272	3273	-93.8897	482.5039	-6.32494	4.396875	-227.383	-1141.17
43273_3273	43273	3273	103.2649	-480.588	6.049313	-5.41669	227.3618	1141.17
43273_3274	43273	3274	-104.396	516.1157	-6.04931	5.416688	-277.182	-5450.08
43274_3274	43274	3274	111.9471	-575.122	-33.7326	-21.8964	276.5293	5450.589
43274_3275	43274	3275	-112.382	585.2346	33.73256	21.89644	-197.98	-6869.15
43275_3275	43275	3275	119.3811	-583.842	-33.8061	-15.5873	198.1809	6877.764
43275_3276	43275	3276	-121.734	626.6046	33.80606	15.58725	95.00663	-12152.6
43276_3276	43276	3276	133.4891	-624.192	-34.0568	20.20856	-92.7675	12152.58
43276_3277	43276	3277	-136.742	668.1124	34.05675	-20.2086	389.6655	-17779.4
43277_3277	43277	3277	140.217	-826.049	61.50769	-100.368	-1025.63	41143.11
43277_3278	43277	3278	-145.417	880.7925	-61.5077	100.3682	382.4494	-50243.8
43278_3278	43278	3278	175.2503	-875.355	61.37644	17.4195	-372.081	50244.01
43278_3279	43278	3279	-182.042	927.9099	-61.3764	-17.4195	-220.975	-59128.4
43279_3279	43279	3279	-4377.47	620.8624	36.10031	186.9368	704.5238	19660.73
43279_3280	43279	3280	4377.472	-600.92	-36.1003	-186.937	-853.43	-16755.4
43280_3280	43280	3280	-4378.49	462.6602	-101.918	-42.8098	853.4295	16757.1
43280_3281	43280	3281	4378.486	-432.33	101.9183	42.80981	-214.052	-13949.8
43281_3281	43281	3281	-4378.79	432.3296	-87.9204	-5.92988	214.0517	14334.06
43281_3282	43281	3282	4378.789	-388.726	87.92044	5.929875	634.6869	-10371
43282_3282	43282	3282	-4379.03	388.7258	-74.9411	24.81019	-634.687	10371
43282_3283	43282	3283	4379.03	-350.965	74.94113	-24.8102	1261.175	-7279.18
43283_3283	43283	3283	-4378.5	286.5083	17.64525	-8.95519	-1261.17	7279.548
43283_3284	43283	3284	4378.499	-239	-17.6453	8.955188	1043.018	-4031.09
43284_3284	43284	3284	-4378.4	238.9997	34.49775	6.559875	-1043.02	4031.093
43284_3285	43284	3285	4378.398	-193.175	-34.4978	-6.55988	631.6511	-1454.34
43285_3285	43285	3285	-4378.63	88.68694	6.313125	-2.07375	-631.651	1454.429
43285_3286	43285	3286	4378.626	-43.1891	-6.31313	2.07375	556.9108	-673.75
43286_3286	43286	3286	-4378.56	43.18913	25.08319	0.815063	-556.911	673.7522
43286_3287	43286	3287	4378.558	-3.16706	-25.0832	-0.81506	295.6734	-432.352
43287_3287	43287	3287	-4378.43	-62.1639	33.894	-3.44138	-295.673	432.1761
43287_3288	43287	3288	4378.428	105.5683	-33.894	3.441375	-87.1579	-1379.45
43288_3288	43288	3288	-4378.29	-105.568	48.75938	1.241625	87.15788	1379.453
43288_3289	43288	3289	4378.287	147.5933	-48.7594	-1.24163	-620.387	-2763.71
43289_3289	43289	3289	-4379.07	-258.203	-20.3766	-12.8494	620.3873	2763.977
43289_3290	43289	3290	4379.075	290.346	20.37656	12.84938	-449.947	-5058.14
43290_3290	43290	3290	-4379.11	-290.346	-10.836	-1.82963	449.9473	5058.152
43290_3291	43290	3291	4379.109	320.5453	10.836	1.829625	-364.79	-7458.47
43291_3291	43291	3291	-4379.12	-320.545	-2.08425	13.26019	364.7897	7074.189
43291_3292	43291	3292	4379.122	353.3381	2.08425	-13.2602	-348.365	-9729.93
43292_3292	43292	3292	-4379.44	-438.643	-13.7629	-25.0727	348.3651	9730.802
43292_3293	43292	3293	4379.444	449.0863	13.76288	25.07269	-313.816	-10953.5
43293_3293	43293	3293	158.0132	1180.401	-12.2128	-77.8943	94.14169	45127.86

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43293_3294	43293	3294	-153.049	-1139.99	12.21281	77.89425	9.426375	-35540
43294_3294	43294	3294	112.0862	1144.74	-12.2653	64.30988	-24.4952	35540.03
43294_3295	43294	3295	-108.179	-1099.64	12.26531	-64.3099	144.9249	-24302.2
43295_3295	43295	3295	73.50131	1010.118	5.814375	-39.6428	-136.711	24303.76
43295_3296	43295	3296	-70.6007	-961.612	-5.81438	39.64275	73.34119	-13476.7
43296_3296	43296	3296	47.24213	963.0429	5.763188	14.20519	-76.1289	13476.76
43296_3297	43296	3297	-45.9624	-926.96	-5.76319	-14.2052	28.43794	-5526.91
43297_3297	43297	3297	29.62575	927.6264	5.725125	30.52613	-28.4655	5525.483
43297_3298	43297	3298	-29.3344	-911.309	-5.72513	-30.5261	3.7485	-1395.8
43298_3298	43298	3298	24.04106	814.1858	-1.72594	5.277563	64.09594	4730.029
43298_3299	43298	3299	-23.919	-783.269	1.725938	-5.27756	-49.8816	2374.49
43299_3299	43299	3299	20.82413	783.3564	-1.77056	0.34125	49.90256	-2374.5
43299_3300	43299	3300	-20.8241	-755.403	1.770563	-0.34125	-36.7067	7931.726
43300_3300	43300	3300	20.82019	755.4028	-1.81125	-15.2066	36.70669	-7931.71
43300_3301	43300	3301	-20.8202	-724.524	1.81125	15.20663	-23.8324	13190.38
43301_3301	43301	3301	20.82019	613.9836	-0.12075	39.44456	23.83238	-13190.9
43301_3302	43301	3302	-20.8202	-561.486	0.12075	-39.4446	-22.3703	20291.87
43302_3302	43302	3302	20.82019	561.4862	-0.20081	-37.8591	22.37025	-20291.9
43302_3303	43302	3303	-20.8202	-508.498	0.200813	37.85906	-19.9277	26816.06
43303_3303	43303	3303	20.83069	407.9972	1.531688	47.54006	19.92769	-26817.2
43303_3304	43303	3304	-20.8307	-352.242	-1.53169	-47.5401	-39.5771	31694.87
43304_3304	43304	3304	20.83594	352.2422	1.468688	-48.2908	39.57713	-31694.9
43304_3305	43304	3305	-20.8359	-302.517	-1.46869	48.29081	-56.3798	35441.38
43305_3305	43305	3305	20.82806	208.761	-0.59325	67.60819	56.37975	-35442.8
43305_3306	43305	3306	-20.8281	-151.26	0.59325	-67.6082	-48.5376	37824.92
43306_3306	43306	3306	20.82544	151.2604	-0.66938	-72.7584	48.53756	-37824.9
43306_3307	43306	3307	-20.8254	-103.278	0.669375	72.75844	-41.1403	39230.33
43307_3307	43307	3307	20.83463	14.27344	0.930563	67.66725	41.14031	-39232.1
43307_3308	43307	3308	-20.8346	40.33575	-0.93056	-67.6673	-52.8413	39068.34
43308_3308	43308	3308	20.83725	-40.3358	0.861	-63.2888	52.84125	-39068.3
43308_3309	43308	3309	-20.8373	91.18331	-0.861	63.28875	-62.9199	38298.8
43309_3309	43309	3309	20.81494	-180.79	-2.17481	58.85775	62.91994	-38299.9
43309_3310	43309	3310	-20.8149	232.3558	2.174813	-58.8578	-37.1044	35848.38
43310_3310	43310	3310	20.80838	-232.356	-2.2365	-46.1226	37.10438	-35848.4
43310_3311	43310	3311	-20.8084	286.2917	2.2365	46.12256	-9.345	32629.33
43311_3311	43311	3311	20.83069	-369.491	2.8875	48.18188	9.345	-32630.5
43311_3312	43311	3312	-20.8307	422.1026	-2.8875	-48.1819	-44.3113	27838.1
43312_3312	43312	3312	20.83988	-422.103	2.821875	-39.228	44.31131	-27838.1
43312_3313	43312	3313	-20.8399	474.9373	-2.82188	39.228	-78.6319	22384.23
43313_3313	43313	3313	20.80706	-586.579	-3.213	31.3215	78.63188	-22385
43313_3314	43313	3314	-20.8071	641.8099	3.213	-31.3215	-37.7908	14577.84
43314_3314	43314	3314	20.79394	-641.81	-3.29044	-23.1131	37.79081	-14577.9
43314_3315	43314	3315	-20.7939	696.7826	3.290438	23.11313	3.841688	6110.201
43315_3315	43315	3315	20.79788	-742.42	0.469875	-0.56306	-3.84169	-6111.04
43315_3316	43315	3316	-20.7979	777.9765	-0.46988	0.563063	0	-109.834

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1	2	3	4	5	6	7	8	9
3000_3000	3000	3000	87.94538	598.8688	-0.50663	3.572625	0	-423.502
3000_3001	3000	3001	-68.5637	-541.778	0.506625	-3.57263	7.561313	8842.172
3001_3001	3001	3001	68.565	541.7777	-0.51319	-6.1635	-7.56131	-8842.18
3001_3002	3001	3002	-55.0554	-501.987	0.513188	6.1635	12.89794	14206.24
3002_3002	3002	3002	55.03444	427.0193	1.493625	14.86144	-12.8979	-14206.4
3002_3003	3002	3003	-42.6799	-380.478	-1.49363	-14.8614	-5.25919	19060.23
3003_3003	3003	3003	42.67725	380.478	1.483125	-16.9168	5.259188	-19060.2
3003_3004	3003	3004	-30.3161	-333.907	-1.48313	16.91681	-23.31	23350.46
3004_3004	3004	3004	30.32531	278.0991	0.543375	10.60106	23.31	-23351
3004_3005	3004	3005	-21.588	-231.539	-0.54338	-10.6011	-29.925	26411.59
3005_3005	3005	3005	21.588	231.5394	0.538125	-12.8218	29.925	-26411.6
3005_3006	3005	3006	-12.8454	-184.946	-0.53813	12.82181	-36.4823	28907.35
3006_3006	3006	3006	12.83231	128.2772	-0.1365	24.57	36.48225	-28907.8
3006_3007	3006	3007	-8.29106	-81.7254	0.1365	-24.57	-34.8167	30164.94
3007_3007	3007	3007	8.291063	81.72544	-0.147	-25.9901	34.81669	-30164.9
3007_3008	3007	3008	-3.74719	-35.1461	0.147	25.99013	-33.0356	30856.16
3008_3008	3008	3008	3.762938	-20.9081	0.858375	11.47913	33.03563	-30857
3008_3009	3008	3009	-3.61856	67.47956	-0.85838	-11.4791	-43.4792	30319.65
3009_3009	3009	3009	3.618563	-67.4796	0.854438	-12.4346	43.47919	-30319.7
3009_3010	3009	3010	-3.47419	114.0458	-0.85444	12.43463	-53.8676	29215.75
3010_3010	3010	3010	3.465	-170.628	-0.29269	21.13781	53.86763	-29216.2
3010_3011	3010	3011	-7.36838	217.1886	0.292688	-21.1378	-50.3134	26876.32
3011_3011	3011	3011	7.367063	-217.189	-0.30056	-21.1089	50.31338	-26876.3
3011_3012	3011	3012	-11.2691	263.7416	0.300563	21.10894	-46.6515	23970.57
3012_3012	3012	3012	11.2665	-319.258	0.059063	7.854	46.6515	-23971.1
3012_3013	3012	3013	-18.6782	365.8397	-0.05906	-7.854	-47.3721	19837.35
3013_3013	3013	3013	18.67819	-365.84	0.055125	-7.56656	47.37206	-19837.4
3013_3014	3013	3014	-26.0886	412.4164	-0.05513	7.566563	-48.0375	15137.16
3014_3014	3014	3014	26.09119	-466.691	0.265125	4.915313	48.0375	-15137.4
3014_3015	3014	3015	-35.469	529.6712	-0.26513	-4.91531	-52.4081	6984.446
3015_3015	3015	3015	33.54488	-528.164	0.224438	-4.04381	52.0695	-6923.52
3015_3016	3015	3016	-40.6311	557.6261	-0.22444	4.046438	-53.9162	2469.71
3016_3016	3016	3016	92.61788	-620.286	1.536938	-1.71413	61.96313	-2660.04
3016_3017	3016	3017	-106.961	662.4279	-1.53694	1.691813	-80.0349	-5113.15
3017_3017	3017	3017	126.0302	-659.386	1.529063	1.77975	80.30269	5110.093
3017_3018	3017	3018	-139.638	710.4431	-1.52906	-1.81781	-100.608	-14127.2
3018_3018	3018	3018	165.1519	-771.287	0.379313	-16.8538	99.20006	14127.76
3018_3019	3018	3019	-176.762	821.9229	-0.37931	16.91944	-103.954	-24023.8
3019_3019	3019	3019	199.3281	-817.466	0.370125	17.72531	107.8429	24024.84
3019_3020	3019	3020	-209.064	871.3648	-0.37013	-17.6518	-112.488	-34353
3020_3020	3020	3020	-3171.33	270.9341	-13.8167	-6.86831	334.5418	7164.336
3020_3021	3020	3021	3171.297	-236.079	13.81669	6.868313	-203.373	-4757.61
3021_3021	3021	3021	-3171.43	236.0794	-7.54031	2.544938	201.2758	4758.159
3021_3022	3021	3022	3171.41	-210.385	7.540313	-2.54494	-142.82	-3027.66
3022_3022	3022	3022	-3171.41	210.3846	-7.54031	2.544938	142.8197	3027.658
3022_3023	3022	3023	3171.394	-184.69	7.540313	-2.54494	-84.3636	-1496.36
3023_3023	3023	3023	-3171.44	123.1519	-11.8611	-0.46331	84.36356	1496.414
3023_3024	3023	3024	3171.055	-96.6302	11.86106	0.463313	10.54988	-615.598
3024_3024	3024	3024	-3171.06	96.63019	-11.8611	-0.46331	-10.5499	615.5979
3024_3025	3024	3025	3170.664	-70.1072	11.86106	0.463313	105.4633	52.97906
3025_3025	3025	3025	-3170.67	70.10719	-8.29894	-0.42	-105.463	-52.9791
3025_3026	3025	3026	3170.285	-43.6209	8.298938	0.42	171.7813	508.8379
3026_3026	3026	3026	-3170.26	-17.3237	-6.83813	-0.2835	-171.781	-508.943
3026_3027	3026	3027	3169.256	37.21463	6.838125	0.2835	212.814	349.2549
3027_3027	3027	3027	-3169.26	-37.2146	-1.54744	-0.72188	-212.814	-349.254
3027_3028	3027	3028	3168.256	57.10163	1.547438	0.721875	222.1026	70.25681
3028_3028	3028	3028	-3168.26	-57.1016	-1.54744	-0.72188	-222.103	-70.2568

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3028_3029	3028	3029	3167.249	76.98863	1.547438	0.721875	231.3911	-328.062
3029_3029	3029	3029	-3167.25	-76.9886	3.74325	-0.05644	-231.391	328.0633
3029_3030	3029	3030	3166.241	96.87169	-3.74325	0.056438	208.9356	-845.61
3030_3030	3030	3030	-3166.25	-158.331	2.245688	-3.69863	-208.936	845.5532
3030_3031	3030	3031	3163.941	184.8774	-2.24569	3.698625	190.9464	-2210.8
3031_3031	3031	3031	-3163.94	-184.877	5.82225	-1.15894	-190.946	2210.8
3031_3032	3031	3032	3161.634	211.386	-5.82225	1.158938	144.3816	-3786.35
3032_3032	3032	3032	-3161.62	-211.386	9.792563	3.604125	-144.382	3786.35
3032_3033	3032	3033	3159.323	237.8933	-9.79256	-3.60413	66.07125	-5573.7
3033_3033	3033	3033	-3159.33	-301.863	5.66475	-12.8048	-66.0713	5573.875
3033_3034	3033	3034	3156.486	327.5383	-5.66475	12.80475	22.19438	-8000.34
3034_3034	3034	3034	-3156.45	-327.538	14.25244	8.760938	-22.1944	8000.342
3034_3035	3034	3035	3153.611	353.2397	-14.2524	-8.76094	-88.3234	-10628.5
3035_3035	3035	3035	-3154.98	-353.255	12.54356	2.749688	89.44031	10635.15
3035_3036	3035	3036	3151.65	388.1417	-12.5436	-2.74969	-208.639	-14427.4
3036_3036	3036	3036	216.3486	725.8335	0.779625	-16.0729	-16.2173	44105.9
3036_3037	3036	3037	-210.734	-671.933	-0.77963	16.11225	6.411563	-35186.7
3037_3037	3037	3037	192.1277	676.3916	0.752063	13.85869	-9.513	35185.63
3037_3038	3037	3038	-185.93	-625.719	-0.75206	-13.8233	0.074813	-26897.6
3038_3038	3038	3038	164.9904	573.0624	-0.21656	-5.65556	1.50675	26898.13
3038_3039	3038	3039	-158.542	-521.988	0.216563	5.651625	1.367625	-19719.8
3039_3039	3039	3039	859.7295	515.9779	-0.63263	4.060875	12.684	15761.16
3039_3040	3039	3040	-864.158	-473.987	0.632625	-4.07269	-5.24869	-10003.9
3040_3040	3040	3040	853.5345	410.1878	0.384563	0.816375	5.416688	10005.66
3040_3041	3040	3041	-827.596	-381.262	-0.38456	-0.82425	-8.59425	-6902.21
3041_3041	3041	3041	940.4535	384.7646	0.15225	-0.93188	10.353	6296.633
3041_3042	3041	3042	-837.909	-334.468	-0.15225	0.931875	-12.789	-645.565
3042_3042	3042	3042	837.9144	274.8139	0.022313	3.15	12.789	645.603
3042_3043	3042	3043	-765.731	-237.265	-0.02231	-3.15	-13.0502	2088.672
3043_3043	3043	3043	765.7296	237.2646	-0.01444	-3.70519	13.05019	-2088.67
3043_3044	3043	3044	-693.551	-199.718	0.014438	3.705188	-12.8835	4373.948
3044_3044	3044	3044	693.5709	147.126	0.13125	8.906625	12.8835	-4374.05
3044_3045	3044	3045	-624.417	-109.581	-0.13125	-8.90663	-14.4546	5593.375
3045_3045	3045	3045	624.4166	109.5806	0.056438	-9.0405	14.45456	-5593.38
3045_3046	3045	3046	-555.215	-72.0103	-0.05644	9.0405	-15.1344	6364.361
3046_3046	3046	3046	555.2243	19.03125	-0.0735	0.484313	15.13444	-6364.48
3046_3047	3046	3047	-489.761	18.50231	0.0735	-0.48431	-14.2603	6067.598
3047_3047	3047	3047	489.7607	-18.5023	-0.07613	-0.15094	14.26031	-6067.6
3047_3048	3047	3048	-424.242	56.06738	0.076125	0.150938	-13.3508	5321.428
3048_3048	3048	3048	424.2525	-109.526	0.035438	0.190313	13.35075	-5321.55
3048_3049	3048	3049	-362.056	147.0827	-0.03544	-0.19031	-13.7708	3500.343
3049_3049	3049	3049	362.0558	-147.083	0.038063	0.552563	13.77075	-3500.34
3049_3050	3049	3050	-299.91	184.6097	-0.03806	-0.55256	-14.2236	1232.171
3050_3050	3050	3050	299.9036	-239.882	-0.315	0.144375	14.22356	-1232.18
3050_3051	3050	3051	-219.327	290.1294	0.315	-0.14438	-9.18225	-3820.35
3051_3051	3051	3051	218.2556	-287.86	-0.33994	1.55925	9.011625	3845.948
3051_3052	3051	3052	-179.24	314.6509	0.339938	-1.56056	-6.20419	-6438.16
3052_3052	3052	3052	188.3018	-373.954	0.938438	-2.07769	6.120188	6439.321
3052_3053	3052	3053	-142.018	412.6356	-0.93844	2.076375	-17.1557	-11273.4
3053_3053	3053	3053	138.1196	-409.041	0.758625	5.425875	23.58431	11360.57
3053_3054	3053	3054	-113.45	458.5639	-0.75863	-5.42063	-33.6538	-17477.4
3054_3054	3054	3054	131.9443	-514.273	0.930563	-18.7176	31.70606	17480.45
3054_3055	3054	3055	-125.32	563.1465	-0.93056	18.75563	-43.3755	-24098.1
3055_3055	3055	3055	141.0898	-557.831	0.861	21.44363	47.72381	24102.26
3055_3056	3055	3056	-145.945	609.5578	-0.861	-21.4016	-58.5546	-31298.3
3056_3056	3056	3056	-2588.89	353.682	-10.1693	-5.1135	190.554	9903.444
3056_3057	3056	3057	2600.977	-319.879	10.16925	5.1135	-93.9278	-6758.49
3057_3057	3057	3057	-2603.08	319.8773	-6.52969	4.595063	94.67588	6719.017

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3057_3058	3057	3058	2613.001	-292.92	6.529688	-4.59506	-44.0869	-4390.36
3058_3058	3058	3058	-2613	292.9198	-6.52969	4.595063	44.08688	4390.357
3058_3059	3058	3059	2622.925	-265.964	6.529688	-4.59506	6.502125	-2270.54
3059_3059	3059	3059	-2622.96	205.8604	-10.3924	-0.75863	-6.50213	2270.58
3059_3060	3059	3060	2632.613	-177.999	10.39238	0.758625	89.71725	-777.894
3060_3060	3060	3060	-2632.62	177.9986	-7.07569	1.30725	-89.7173	777.8912
3060_3061	3060	3061	2642.267	-150.174	7.075688	-1.30725	146.3031	490.1531
3061_3061	3061	3061	-2642.27	150.1736	-7.07569	1.30725	-146.303	-490.153
3061_3062	3061	3062	2651.912	-122.349	7.075688	-1.30725	202.8876	1535.683
3062_3062	3062	3062	-2651.9	64.113	-0.04069	0.83475	-202.888	-1535.76
3062_3063	3062	3063	2658.47	-43.2285	0.040688	-0.83475	203.1291	1827.417
3063_3063	3063	3063	-2658.47	43.2285	-0.04069	0.83475	-203.129	-1827.42
3063_3064	3063	3064	2665.042	-22.3453	0.040688	-0.83475	203.3693	1993.728
3064_3064	3064	3064	-2665.04	22.34531	-0.04069	0.83475	-203.369	-1993.73
3064_3065	3064	3065	2671.615	-1.46081	0.040688	-0.83475	203.6108	2034.694
3065_3065	3065	3065	-2671.61	1.460813	4.400813	-0.08138	-203.611	-2034.7
3065_3066	3065	3066	2678.171	19.38563	-4.40081	0.081375	177.2439	1950.576
3066_3066	3066	3066	-2678.17	-77.8313	6.319688	-0.62213	-177.244	-1950.7
3066_3067	3066	3067	2685.992	105.6838	-6.31969	0.622125	126.6576	1179.31
3067_3067	3067	3067	-2685.99	-105.684	6.319688	-0.62213	-126.658	-1179.31
3067_3068	3067	3068	2693.818	133.5364	-6.31969	0.622125	76.0725	184.9562
3068_3068	3068	3068	-2693.79	-133.536	13.21031	3.096188	-76.0725	-184.96
3068_3069	3068	3069	2701.609	161.3509	-13.2103	-3.09619	-29.5273	-1030.5
3069_3069	3069	3069	-2701.64	-219.745	6.448313	-7.31194	29.52731	1030.516
3069_3070	3069	3070	2709.159	246.7238	-6.44831	7.311938	-79.5283	-2874.66
3070_3070	3070	3070	-2709.14	-246.724	9.900188	-1.50413	79.52831	2874.664
3070_3071	3070	3071	2716.653	273.6654	-9.90019	1.504125	-156.189	-4925.05
3071_3071	3071	3071	-2712.56	-273.663	13.71825	7.889438	159.1341	4956.903
3071_3072	3071	3072	2721.546	307.4781	-13.7183	-7.88944	-289.528	-7761.75
3072_3072	3072	3072	87.86138	660.1101	-0.31631	-8.83444	45.52931	28666.97
3072_3073	3072	3073	-44.8888	-608.9	0.316313	8.886938	-41.5564	-20791
3073_3073	3073	3073	27.96675	614.2119	-0.34781	9.998625	39.45244	20788.42
3073_3074	3073	3074	16.71731	-565.971	0.347813	-9.95138	-35.0936	-13478.7
3074_3074	3074	3074	-35.9796	516.1485	-0.66675	0.547313	35.89294	13477.62
3074_3075	3074	3075	74.41875	-467.195	0.66675	-0.54206	-27.0349	-7005.64
3075_3075	3075	3075	579.9308	462.6156	-1.21144	-0.04069	19.61794	3417.503
3075_3076	3075	3076	-579.834	-425.253	1.211438	0.032813	-5.36681	1726.049
3076_3076	3076	3076	570.1973	367.0419	0.84525	9.1455	5.256563	-1725.05
3076_3077	3076	3077	-556.024	-341.249	-0.84525	-9.14681	-12.2194	4562.262
3077_3077	3077	3077	512.9342	344.6874	0.794063	-8.67431	13.76681	-4519.04
3077_3078	3077	3078	-472.74	-296.405	-0.79406	8.674313	-25.3155	8994.107
3078_3078	3078	3078	472.7376	245.0569	-0.19556	-0.20081	25.3155	-8994.31
3078_3079	3078	3079	-443.252	-207.777	0.195563	0.200813	-23.1223	11399.07
3079_3079	3079	3079	443.2523	207.7766	-0.19556	-0.20081	23.12231	-11399.1
3079_3080	3079	3080	-413.767	-170.496	0.195563	0.200813	-20.9291	13385.06
3080_3080	3080	3080	413.7669	123.6401	-0.22444	7.162313	20.92913	-13385.3
3080_3081	3080	3081	-387.122	-86.3297	0.224438	-7.16231	-18.4052	14438.91
3081_3081	3081	3081	387.1219	86.32969	-0.25594	-7.27388	18.40519	-14438.9
3081_3082	3081	3082	-360.5	-49.0547	0.255938	7.273875	-15.5308	15072.72
3082_3082	3082	3082	360.5031	-1.3545	0.013125	7.326375	15.53081	-15073
3082_3083	3082	3083	-335.215	41.41725	-0.01313	-7.32638	-15.6936	14693.02
3083_3083	3083	3083	335.2151	-41.4173	-0.01838	-7.03106	15.69356	-14693
3083_3084	3083	3084	-309.906	81.5115	0.018375	7.031063	-15.4704	13828.57
3084_3084	3084	3084	309.9101	-131.975	-0.01444	6.5835	15.47044	-13828.8
3084_3085	3084	3085	-289.49	169.2443	0.014438	-6.5835	-15.3038	12037.39
3085_3085	3085	3085	289.4903	-169.244	-0.04856	-5.79863	15.30375	-12037.4
3085_3086	3085	3086	-269.052	206.5442	0.048563	5.798625	-14.7512	9825.391
3086_3086	3086	3086	269.0559	-255.056	-0.21	3.70125	14.75119	-9825.61

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3086_3087	3086	3087	-251.58	292.3541	0.21	-3.70125	-12.3979	6662.016
3087_3087	3087	3087	251.5787	-292.354	-0.2415	-2.66306	12.39788	-6662.02
3087_3088	3087	3088	-234.119	329.6186	0.2415	2.663063	-9.6915	3082.736
3088_3088	3088	3088	234.1185	-378.795	-0.24413	-0.38981	9.6915	-3082.77
3088_3089	3088	3089	-214.785	425.2238	0.244125	0.389813	-6.28294	-2640.13
3089_3089	3089	3089	218.862	-422.927	-0.26644	1.64325	6.34725	2706.838
3089_3090	3089	3090	-207.328	450.2636	0.266438	-1.64456	-4.14619	-6559.23
3090_3090	3090	3090	218.9001	-503.476	0.023625	-5.92069	3.936188	6560.076
3090_3091	3090	3091	-206.501	542.8093	-0.02363	5.908875	-4.20919	-12842.2
3091_3091	3091	3091	206.6728	-537.765	-0.23888	5.73825	7.455	12926.69
3091_3092	3091	3092	-200.887	586.3856	0.238875	-5.75006	-4.29319	-20390.6
3092_3092	3092	3092	222.7168	-641.05	1.172063	-10.7218	2.995125	20393.1
3092_3093	3092	3093	-223.748	689.1609	-1.17206	10.752	-17.703	-28861.1
3093_3093	3093	3093	242.8545	-682.467	1.141875	11.676	20.08388	28864.76
3093_3094	3093	3094	-247.902	733.4775	-1.14188	-11.6419	-34.4453	-37883.6
3094_3094	3094	3094	-2929.17	313.8962	-5.41275	-10.1798	14.41125	10750.03
3094_3095	3094	3095	2935.347	-280.67	5.41275	10.17975	37.03613	-7845.47
3095_3095	3095	3095	-2937.8	280.6847	1.08675	7.267313	-37.0243	7857.374
3095_3096	3095	3096	2942.592	-254.391	-1.08675	-7.26731	28.60988	-5807.05
3096_3096	3096	3096	-2942.59	254.3914	1.200938	7.498313	-28.6099	5807.049
3096_3097	3096	3097	2947.392	-228.065	-1.20094	-7.49831	19.299	-3958.06
3097_3097	3097	3097	-2947.42	170.4636	-3.70913	-2.84681	-19.299	3958.126
3097_3098	3097	3098	2951.936	-143.288	3.709125	2.846813	48.97988	-2722.83
3098_3098	3098	3098	-2951.94	143.2883	0.074813	1.239	-48.9799	2722.834
3098_3099	3098	3099	2956.45	-116.148	-0.07481	-1.239	48.38269	-1706.19
3099_3099	3099	3099	-2956.45	116.1484	0.177188	1.31775	-48.3827	1706.191
3099_3100	3099	3100	2960.969	-88.9744	-0.17719	-1.31775	46.9665	-905.607
3100_3100	3100	3100	-2960.91	32.53425	11.48175	6.029625	-46.9665	905.5725
3100_3101	3100	3101	2963.678	-12.1551	-11.4818	-6.02963	-21.945	-784.123
3101_3101	3101	3101	-2963.68	12.15506	11.48175	6.029625	21.945	784.1229
3101_3102	3101	3102	2966.447	8.225438	-11.4818	-6.02963	-90.8565	-784.991
3102_3102	3102	3102	-2966.44	-8.22544	-14.5911	-7.67156	90.8565	784.9879
3102_3103	3102	3103	2969.201	28.57575	14.59106	7.671563	-3.40463	-907.911
3103_3103	3103	3103	-2969.22	-28.5758	-9.24	-4.57275	3.404625	907.9193
3103_3104	3103	3104	2971.991	48.96019	9.24	4.57275	52.06163	-1153.31
3104_3104	3104	3104	-2971.99	-105.49	-1.96088	-2.562	-52.0616	1153.31
3104_3105	3104	3105	2974.817	132.6675	1.960875	2.562	67.75388	-2119.82
3105_3105	3105	3105	-2974.82	-132.668	1.807313	1.20225	-67.7539	2119.821
3105_3106	3105	3106	2977.645	159.81	-1.80731	-1.20225	53.30719	-3302.2
3106_3106	3106	3106	-2977.65	-159.81	1.924125	1.365	-53.3072	3302.2
3106_3107	3106	3107	2980.476	186.9866	-1.92413	-1.365	37.90763	-4703.43
3107_3107	3107	3107	-2980.48	-243.878	1.122188	-4.40081	-37.9076	4703.507
3107_3108	3107	3108	2982.925	270.2044	-1.12219	4.400813	29.20575	-6708.28
3108_3108	3108	3108	-2982.93	-270.204	1.008	-4.68825	-29.2058	6708.283
3108_3109	3108	3109	2985.368	296.4977	-1.008	4.68825	21.39638	-8914.19
3109_3109	3109	3109	-2985.92	-296.5	4.224938	6.02175	-22.5894	8916.954
3109_3110	3109	3110	2989.053	329.7236	-4.22494	-6.02175	-17.5626	-12026.9
3110_3110	3110	3110	230.2676	711.228	-0.93975	-26.9233	39.37763	39452.74
3110_3111	3110	3111	-208.355	-660.436	0.93975	26.97844	-27.5651	-30804.3
3111_3111	3111	3111	189.9621	667.3669	-1.02506	25.50975	22.04213	30801.64
3111_3112	3111	3112	-166.113	-619.521	1.025063	-25.4625	-9.17306	-22933.8
3112_3112	3112	3112	145.4421	572.0072	-0.02363	-4.38113	11.69044	22932.82
3112_3113	3112	3113	-123.05	-523.604	0.023625	4.361438	-11.3702	-15716.3
3113_3113	3113	3113	695.8363	522.0823	-0.45938	4.4835	22.19831	12465.01
3113_3114	3113	3114	-695.739	-483.003	0.459375	-4.50056	-16.8013	-6612.16
3114_3114	3114	3114	684.8363	426.5048	-0.18244	-0.18638	16.92338	6613.381
3114_3115	3114	3115	-665.056	-399.476	0.182438	0.182438	-15.4193	-3300.15
3115_3115	3115	3115	738.7052	402.9939	-0.21263	-0.32813	15.40219	2647.627

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3115_3116	3115	3116	-671.65	-358.176	0.212625	0.328125	-12.3231	2801.54
3116_3116	3116	3116	671.6443	306.9636	-0.05906	9.152063	12.32306	-2801.54
3116_3117	3116	3117	-622.647	-272.224	0.059063	-9.15206	-11.6537	5829.129
3117_3117	3117	3117	622.6474	272.2243	-0.14963	-9.59306	11.65369	-5829.13
3117_3118	3117	3118	-573.695	-237.517	0.149625	9.593063	-9.97763	8463.932
3118_3118	3118	3118	573.7016	191.8179	-0.01444	12.40969	9.977625	-8463.98
3118_3119	3118	3119	-527.477	-157.11	0.014438	-12.4097	-9.82275	10206.99
3119_3119	3119	3119	527.4767	157.1102	-0.10369	-12.5265	9.82275	-10207
3119_3120	3119	3120	-481.253	-122.404	0.103688	12.5265	-8.652	11560.15
3120_3120	3120	3120	481.2452	73.395	-0.23494	6.222563	8.652	-11560.1
3120_3121	3120	3121	-435.43	-36.0924	0.234938	-6.22256	-5.81831	12004.66
3121_3121	3121	3121	435.4298	36.09244	-0.27694	-6.03356	5.818313	-12004.7
3121_3122	3121	3122	-389.613	1.208813	0.276938	6.033563	-2.478	11998.95
3122_3122	3122	3122	389.613	-50.8633	-0.13256	6.034875	2.478	-11998.9
3122_3123	3122	3123	-350.716	85.56844	0.132563	-6.03488	-0.98569	11047.48
3123_3123	3123	3123	350.7158	-85.5684	-0.1785	-5.54663	0.985688	-11047.5
3123_3124	3123	3124	-311.783	120.3051	0.1785	5.546625	1.019813	9704.894
3124_3124	3124	3124	311.7844	-169.021	-0.2835	7.78575	-1.01981	-9704.9
3124_3125	3124	3125	-276.8	203.7263	0.2835	-7.78575	4.202625	7443.252
3125_3125	3125	3125	276.7997	-203.726	-0.37406	-7.1295	-4.20263	-7443.25
3125_3126	3125	3126	-241.816	238.4301	0.374063	7.1295	8.401313	4791.902
3126_3126	3126	3126	241.8071	-288.6	-0.08138	0.38325	-8.40131	-4791.91
3126_3127	3126	3127	-202.134	331.2763	0.081375	-0.38325	9.5235	337.1889
3127_3127	3127	3127	207.0377	-328.814	-0.13519	0.175875	-9.47756	-280.48
3127_3128	3127	3128	-182.798	353.6689	0.135188	-0.17588	10.59581	-2826.79
3128_3128	3128	3128	192.5503	-411.725	-0.462	-6.36956	-10.8137	2827.703
3128_3129	3128	3129	-168.66	447.5664	0.462	6.356438	16.24219	-8330.22
3129_3129	3129	3129	173.6516	-441.361	0.233625	12.42806	-14.9822	8376.16
3129_3130	3129	3130	-166.892	488.3576	-0.23363	-12.4858	11.88206	-14595.5
3130_3130	3130	3130	186.0508	-542.27	-0.04988	-7.25156	-13.3245	14598.46
3130_3131	3130	3131	-190.746	588.7389	0.049875	7.434	13.97156	-21973.3
3131_3131	3131	3131	211.8572	-579.147	-0.08794	9.112688	-12.1984	21979.18
3131_3132	3131	3132	-223.457	625.2606	0.087938	-8.91056	13.25363	-29322.9
3132_3132	3132	3132	-2571.48	286.671	33.17213	19.57594	-403.934	7687.052
3132_3133	3132	3133	2575.18	-251.849	-33.1721	-19.5759	62.26238	-4707.7
3133_3133	3133	3133	-2585.27	251.8464	29.69531	12.83494	-62.9659	4756.815
3133_3134	3133	3134	2588.495	-227.892	-29.6953	-12.8349	-167.171	-2913.47
3134_3134	3134	3134	-2588.56	227.892	-2.74313	-30.282	167.1705	2913.367
3134_3135	3134	3135	2591.8	-203.843	2.743125	30.282	-145.829	-1249.48
3135_3135	3135	3135	-2592.06	150.6422	-3.29175	-0.23231	145.8293	1250.03
3135_3136	3135	3136	2596.288	-125.912	3.29175	0.232313	-119.497	-163.32
3136_3136	3136	3136	-2596.29	125.9121	-3.29175	-0.23231	119.4966	163.3196
3136_3137	3136	3137	2600.518	-101.182	3.29175	0.232313	-93.1652	725.5264
3137_3137	3137	3137	-2600.52	101.1819	0.16275	0.119438	93.16519	-725.526
3137_3138	3137	3138	2604.743	-76.4833	-0.16275	-0.11944	-94.4619	1415.756
3138_3138	3138	3138	-2604.71	22.98056	-4.16325	0.149625	94.46194	-1415.87
3138_3139	3138	3139	2607.112	-4.43231	4.16325	-0.14963	-69.4772	1486.379
3139_3139	3139	3139	-2607.11	4.432313	-4.16325	0.149625	69.47719	-1486.38
3139_3140	3139	3140	2609.515	14.11463	4.16325	-0.14963	-44.4911	1445.59
3140_3140	3140	3140	-2609.52	-14.1146	0.510563	-0.30581	44.49113	-1445.59
3140_3141	3140	3141	2611.921	32.66156	-0.51056	0.305813	-47.5584	1293.507
3141_3141	3141	3141	-2611.92	-32.6616	-4.16325	-0.18244	47.55844	-1293.51
3141_3142	3141	3142	2614.322	51.20981	4.16325	0.182438	-22.5724	1030.12
3142_3142	3142	3142	-2614.32	-106.289	-2.98856	-0.04331	22.57238	-1030.21
3142_3143	3142	3143	2616.414	131.019	2.988563	0.043313	1.337438	69.60713
3143_3143	3143	3143	-2616.41	-131.019	0.518438	1.5225	-1.33744	-69.6071
3143_3144	3143	3144	2618.504	155.7478	-0.51844	-1.5225	-2.80613	-1088.84
3144_3144	3144	3144	-2618.5	-155.748	-2.98856	-1.56188	2.806125	1088.838

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3144_3145	3144	3145	2620.591	180.4779	2.988563	1.561875	21.10369	-2445.17
3145_3145	3145	3145	-2620.61	-238.224	-2.99513	2.361188	-21.1037	2445.186
3145_3146	3145	3146	2622.382	262.1811	2.995125	-2.36119	44.31656	-4394.58
3146_3146	3146	3146	-2622.38	-262.181	-6.61369	-5.23163	-44.3166	4394.576
3146_3147	3146	3147	2624.156	286.1381	6.613688	5.231625	95.58281	-6529.7
3147_3147	3147	3147	-2607.62	-286.143	-3.83906	2.800875	-95.3663	6449.03
3147_3148	3147	3148	2609.375	318.2642	3.839063	-2.80088	131.8433	-9330.57
3148_3148	3148	3148	224.0123	607.8398	-0.18769	-0.55125	-5.03606	31239.85
3148_3149	3148	3149	-195.24	-558.706	0.187688	0.580125	7.393313	-23958.5
3149_3149	3149	3149	179.5776	566.8399	-0.189	-0.03413	-7.44056	23955.29
3149_3150	3149	3150	-149.882	-520.631	0.189	0.060375	9.805688	-17182.6
3150_3150	3150	3150	131.7264	471.9133	-1.21406	-0.27825	-9.77681	17180.64
3150_3151	3150	3151	-107.033	-425.169	1.214063	0.255938	25.89431	-11251.3
3151_3151	3151	3151	799.5776	422.4137	-0.27563	-0.35963	-9.17831	7464.35
3151_3152	3151	3152	-793.423	-385.473	0.275625	0.366188	12.41494	-2847.04
3152_3152	3152	3152	784.5639	326.2731	0.368813	-1.13925	-12.4084	2847.958
3152_3153	3152	3153	-759.088	-300.78	-0.36881	1.134	9.367313	-395.7
3153_3153	3153	3153	800.7208	305.2809	0.349125	0.192938	-9.01425	176.4604
3153_3154	3153	3154	-728.738	-264.128	-0.34913	-0.19294	4.214438	3424.763
3154_3154	3154	3154	728.7604	209.1574	0.137813	4.224938	-4.21444	-3424.76
3154_3155	3154	3155	-675.381	-176.211	-0.13781	-4.22494	2.694563	5313.23
3155_3155	3155	3155	675.381	176.211	0.0735	-4.431	-2.69456	-5313.23
3155_3156	3155	3156	-622.003	-143.265	-0.0735	4.431	1.8795	6839.222
3156_3156	3156	3156	621.9951	96.39263	0.223125	0.021	-1.8795	-6839.24
3156_3157	3156	3157	-575.821	-66.4112	-0.22313	-0.021	-0.35438	7453.035
3157_3157	3157	3157	575.8213	66.41119	0.223125	0.021	0.354375	-7453.04
3157_3158	3157	3158	-529.646	-36.4311	-0.22313	-0.021	-2.58825	7766.685
3158_3158	3158	3158	529.6463	-7.24369	0.009188	0.223125	2.58825	-7766.67
3158_3159	3158	3159	-486.535	37.22381	-0.00919	-0.22313	-2.68406	7355.157
3159_3159	3159	3159	486.5346	-37.2238	0.007875	0.06825	2.684063	-7355.16
3159_3160	3159	3160	-443.38	67.23544	-0.00788	-0.06825	-2.76806	6642.639
3160_3160	3160	3160	443.3874	-116.013	0.035438	3.206438	2.768063	-6642.66
3160_3161	3160	3161	-399.684	148.9294	-0.03544	-3.20644	-3.15394	4993.804
3161_3161	3161	3161	399.6838	-148.929	-0.03019	-2.75494	3.153938	-4993.8
3161_3162	3161	3162	-355.941	181.8744	0.030188	2.754938	-2.82188	2981.189
3162_3162	3162	3162	355.9356	-234.457	0.165375	0.396375	2.821875	-2981.17
3162_3163	3162	3163	-304.23	275.6394	-0.16538	-0.39638	-5.10431	-763.585
3163_3163	3163	3163	309.5019	-272.147	0.23625	-0.04463	5.043938	754.0685
3163_3164	3163	3164	-279.566	297.6658	-0.23625	0.044625	-6.99169	-3263.53
3164_3164	3164	3164	288.2158	-356.621	-0.12469	2.244375	7.069125	3264.207
3164_3165	3164	3165	-254.54	393.4809	0.124688	-2.26013	-5.59913	-7896.51
3165_3165	3165	3165	243.2364	-385.288	-0.44625	-2.65519	4.053	8020.885
3165_3166	3165	3166	-223.565	432.8822	0.44625	2.64075	1.865063	-13678.2
3166_3166	3166	3166	241.9712	-493.228	0.413438	-0.01444	-1.70888	13681.19
3166_3167	3166	3167	-239.105	540.1974	-0.41344	0.040688	-3.4755	-20362.2
3167_3167	3167	3167	254.2024	-530.684	0.413438	-0.12206	3.474188	20366.82
3167_3168	3167	3168	-261.499	580.503	-0.41344	0.150938	-8.67169	-27268.1
3168_3168	3168	3168	-2421.38	321.8434	-2.97544	-5.07806	22.99369	7849.825
3168_3169	3168	3169	2430.205	-289.282	2.975438	5.078063	5.278875	-4984.62
3169_3169	3169	3169	-2438.67	289.2619	0.778313	2.701125	-6.06113	5025.922
3169_3170	3169	3170	2446.403	-264.643	-0.77831	-2.70113	0.02625	-2912.76
3170_3170	3170	3170	-2446.4	264.6433	0.778313	2.701125	-0.02625	2912.756
3170_3171	3170	3171	2454.135	-240.026	-0.77831	-2.70113	-6.00863	-990.401
3171_3171	3171	3171	-2454.21	178.08	-0.50138	-0.04725	6.008625	990.5136
3171_3172	3171	3172	2461.86	-152.699	0.501375	0.04725	-2.00681	297.8916
3172_3172	3172	3172	-2461.86	152.6989	-0.44625	-0.03544	2.006813	-297.892
3172_3173	3172	3173	2469.517	-127.288	0.44625	0.035438	1.55925	1384.711
3173_3173	3173	3173	-2469.52	127.2876	-0.44625	-0.03544	-1.55925	-1384.71

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3173_3174	3173	3174	2477.176	-101.875	0.44625	0.035438	5.126625	2268.207
3174_3174	3174	3174	-2477.17	43.67344	2.438625	-1.09331	-5.12663	-2268.31
3174_3175	3174	3175	2482.233	-24.6146	-2.43863	1.093313	-9.50381	2450.88
3175_3175	3175	3175	-2482.23	24.61463	-2.07244	1.193063	9.503813	-2450.88
3175_3176	3175	3176	2487.299	-5.5545	2.072438	-1.19306	2.932125	2519.087
3176_3176	3176	3176	-2487.3	5.5545	2.438625	-1.11431	-2.93213	-2519.09
3176_3177	3176	3177	2492.364	13.50431	-2.43863	1.114313	-11.6983	2472.926
3177_3177	3177	3177	-2492.36	-13.5043	-2.07244	1.02375	11.69831	-2472.93
3177_3178	3177	3178	2497.43	32.56313	2.072438	-1.02375	0.737625	2312.394
3178_3178	3178	3178	-2497.43	-91.371	-0.54338	-0.38456	-0.73763	-2312.42
3178_3179	3178	3179	2503.151	116.7836	0.543375	0.384563	5.089875	1454.01
3179_3179	3179	3179	-2503.15	-116.784	-0.54338	-0.38456	-5.08988	-1454.01
3179_3180	3179	3180	2508.875	142.1949	0.543375	0.384563	9.443438	392.2774
3180_3180	3180	3180	-2508.87	-142.195	2.838938	0.854438	-9.44344	-392.277
3180_3181	3180	3181	2514.598	167.6076	-2.83894	-0.85444	-13.2707	-872.752
3181_3181	3181	3181	-2514.66	-229.038	-2.89931	-3.36394	13.27069	872.8952
3181_3182	3181	3182	2520.235	253.6249	2.899313	3.363938	9.169125	-2766.22
3182_3182	3182	3182	-2520.23	-253.625	0.652313	2.260125	-9.16913	2766.218
3182_3183	3182	3183	2525.809	278.2421	-0.65231	-2.26013	4.118625	-4852.64
3183_3183	3183	3183	-2509.53	-278.237	-0.11681	0.397688	-3.35738	4773.178
3183_3184	3183	3184	2515.951	310.7974	0.116813	-0.39769	4.470375	-7752.35
3184_3184	3184	3184	210.4843	594.6413	-0.41213	-0.14306	1.540875	27416.64
3184_3185	3184	3185	-173.774	-545.21	0.412125	0.182438	3.63825	-20329.5
3185_3185	3185	3185	158.4437	554.7308	-0.41213	-0.10369	-3.6435	20325.8
3185_3186	3185	3186	-122.299	-508.225	0.412125	0.139125	8.806875	-13615.8
3186_3186	3186	3186	104.0589	455.3771	-0.17194	-0.67725	-8.76094	13613.7
3186_3187	3186	3187	-76.4046	-408.21	0.171938	0.665438	11.04206	-7943.88
3187_3187	3187	3187	735.1352	407.5103	-0.23888	-0.19556	-0.10369	4051.871
3187_3188	3187	3188	-732.995	-368.977	0.238875	0.189	2.912438	776.7673
3188_3188	3188	3188	724.4121	305.4266	0.175875	-1.67738	-2.898	-775.397
3188_3189	3188	3189	-705.364	-278.779	-0.17588	1.676063	1.446375	3023.352
3189_3189	3189	3189	729.1659	283.6208	0.185063	0.483	-1.344	-3019.39
3189_3190	3189	3190	-673.586	-238.686	-0.18506	-0.483	-1.19438	6370.874
3190_3190	3190	3190	673.596	181.9834	0.063	-0.31106	1.194375	-6370.91
3190_3191	3190	3191	-631.626	-146.01	-0.063	0.311063	-1.88606	7995.024
3191_3191	3191	3191	631.6262	146.0104	0.063	-0.31106	1.886063	-7995.02
3191_3192	3191	3192	-589.656	-110.036	-0.063	0.311063	-2.57906	9223.373
3192_3192	3192	3192	589.6498	58.63725	0.175875	-0.13125	2.579063	-9223.31
3192_3193	3192	3193	-554.114	-25.7053	-0.17588	0.13125	-4.35488	9494.248
3193_3193	3193	3193	554.1139	25.70531	0.175875	-0.13125	4.354875	-9494.25
3193_3194	3193	3194	-518.578	7.226625	-0.17588	0.13125	-6.132	9433.516
3194_3194	3194	3194	518.6042	-54.4268	-0.22575	0.081375	6.132	-9433.55
3194_3195	3194	3195	-485.903	87.35869	0.22575	-0.08138	-3.85481	8576.638
3195_3195	3195	3195	485.9033	-87.3587	-0.22575	0.081375	3.854813	-8576.64
3195_3196	3195	3196	-453.202	120.2906	0.22575	-0.08138	-1.57631	7388.06
3196_3196	3196	3196	453.1695	-171.272	0.056438	-2.79563	1.576313	-7388.03
3196_3197	3196	3197	-420.335	207.2123	-0.05644	2.795625	-2.19844	5162.946
3197_3197	3197	3197	420.3347	-207.212	0.111563	3.2655	2.198438	-5162.95
3197_3198	3197	3198	-387.471	243.1866	-0.11156	-3.2655	-3.42694	2540.232
3198_3198	3198	3198	387.4854	-297.797	0.019688	0.265125	3.426938	-2540.27
3198_3199	3198	3199	-348.595	342.7633	-0.01969	-0.26513	-3.69994	-2099.03
3199_3199	3199	3199	352.1464	-338.79	0.003938	0.557813	3.577875	1999.076
3199_3200	3199	3200	-327.923	366.6272	-0.00394	-0.55781	-3.60938	-5118.67
3200_3200	3200	3200	338.2234	-425.476	0.788813	-0.76913	3.579188	5119.906
3200_3201	3200	3201	-309.939	465.6068	-0.78881	0.757313	-12.8454	-10675.1
3201_3201	3201	3201	310.2159	-455.84	0.410813	2.096063	15.36019	10756.7
3201_3202	3201	3202	-297.545	509.1634	-0.41081	-2.1105	-20.8189	-17316.7
3202_3202	3202	3202	318.0411	-566.608	0.8505	0.695625	20.79525	17320.83

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3202_3203	3202	3203	-316.835	619.0223	-0.8505	-0.651	-31.4685	-24769.5
3203_3203	3203	3203	334.0772	-608.202	0.8505	-0.18769	31.47375	24775.41
3203_3204	3203	3204	-340.382	663.4727	-0.8505	0.238875	-42.1759	-32950.7
3204_3204	3204	3204	-2670.67	356.5551	1.743	2.962313	17.241	10081.34
3204_3205	3204	3205	2678.066	-319.98	-1.743	-2.96231	-33.8008	-6801.05
3205_3205	3205	3205	-2679.89	319.9678	-1.23638	-4.32731	34.85213	6481.632
3205_3206	3205	3206	2686.39	-292.075	1.236375	4.327313	-25.2656	-4138.35
3206_3206	3206	3206	-2686.39	292.0746	2.676188	1.960875	25.26563	4138.351
3206_3207	3206	3207	2692.886	-264.181	-2.67619	-1.96088	-46.0084	-2011.32
3207_3207	3207	3207	-2692.79	197.358	-6.45881	-0.11288	46.00838	2011.405
3207_3208	3207	3208	2699.143	-168.564	6.458813	0.112875	5.663438	-575.764
3208_3208	3208	3208	-2699.14	168.5644	-6.51919	-0.14306	-5.66344	575.7636
3208_3209	3208	3209	2705.493	-139.808	6.519188	0.143063	57.76444	628.1402
3209_3209	3209	3209	-2705.5	139.8075	-2.66831	0.342563	-57.7644	-628.143
3209_3210	3209	3210	2711.856	-111.014	2.668313	-0.34256	79.10831	1603.304
3210_3210	3210	3210	-2711.92	45.11325	-3.50175	0.427875	-79.1083	-1603.48
3210_3211	3210	3211	2716.063	-23.5174	3.50175	-0.42788	100.1214	1790.724
3211_3211	3211	3211	-2716.06	23.51738	-3.50175	0.427875	-100.121	-1790.72
3211_3212	3211	3212	2720.201	-1.92281	3.50175	-0.42788	121.1333	1848.379
3212_3212	3212	3212	-2720.2	1.922813	1.552688	-0.59719	-121.133	-1848.38
3212_3213	3212	3213	2724.341	19.67175	-1.55269	0.597188	111.8184	1776.45
3213_3213	3213	3213	-2724.34	-19.6718	-3.50175	0.1995	-111.818	-1776.45
3213_3214	3213	3214	2728.478	41.26631	3.50175	-0.1995	132.8316	1574.93
3214_3214	3214	3214	-2728.61	-107.426	7.185938	0.882	-132.832	-1574.92
3214_3215	3214	3215	2733.325	136.2191	-7.18594	-0.882	75.33225	578.5382
3215_3215	3215	3215	-2733.33	-136.219	3.395438	-0.20213	-75.3323	-578.537
3215_3216	3215	3216	2738.042	165.0114	-3.39544	0.202125	48.16219	-648.241
3216_3216	3216	3216	-2738.04	-165.011	3.395438	-0.20213	-48.1622	648.2411
3216_3217	3216	3217	2742.751	193.8051	-3.39544	0.202125	20.99213	-2105.4
3217_3217	3217	3217	-2742.74	-259.513	3.369188	-6.72394	-20.9921	2105.291
3217_3218	3217	3218	2747.195	287.406	-3.36919	6.723938	-5.11875	-4245.53
3218_3218	3218	3218	-2747.2	-287.406	-0.54469	-14.3824	5.11875	4245.515
3218_3219	3218	3219	2751.651	315.2993	0.544688	14.38238	-0.90169	-6602
3219_3219	3219	3219	-2741.28	-315.298	11.98313	21.60769	1.069688	6888.016
3219_3220	3219	3220	2746.446	351.8327	-11.9831	-21.6077	-114.799	-10078.4
3220_3220	3220	3220	296.0396	682.6089	-1.86113	-46.053	51.07069	32664.86
3220_3221	3220	3221	-264.444	-627.775	1.861125	46.095	-27.6504	-24454.4
3221_3221	3221	3221	246.7999	638.5523	-2.05013	44.52656	18.01144	24449.87
3221_3222	3221	3222	-214.318	-586.651	2.050125	-44.4898	7.710938	-16970.5
3222_3222	3222	3222	193.7237	535.3622	4.526813	-2.92294	-3.46894	16967.02
3222_3223	3222	3223	-165.21	-482.513	-4.52681	2.891438	-56.6252	-10169.3
3223_3223	3223	3223	832.6959	482.2164	0.38325	2.31525	7.109813	6391.714
3223_3224	3223	3224	-821.596	-440.056	-0.38325	-2.38875	-11.6183	-1091.93
3224_3224	3224	3224	811.2956	372.1541	0.048563	18.48525	11.44369	1093.275
3224_3225	3224	3225	-783.752	-342.963	-0.04856	-18.4708	-11.8453	1753.521
3225_3225	3225	3225	749.6803	348.7299	-0.16931	-13.9453	12.53306	-1497.77
3225_3226	3225	3226	-674.843	-290.259	0.169313	13.94531	-9.83456	6263.183
3226_3226	3226	3226	674.7431	226.5939	0.899063	25.51631	9.834563	-6262.73
3226_3227	3226	3227	-619.546	-182.179	-0.89906	-25.5163	-20.7218	8495.879
3227_3227	3227	3227	619.5499	182.1789	0.725813	-25.0333	20.72175	-8495.89
3227_3228	3227	3228	-564.395	-137.798	-0.72581	25.03331	-29.4958	10190.47
3228_3228	3228	3228	564.1388	77.01488	0.538125	27.56119	29.49581	-10187.7
3228_3229	3228	3229	-513.434	-29.8515	-0.53813	-27.5612	-36.0019	10611.39
3229_3229	3229	3229	513.429	30.07594	0.364875	-26.712	36.00188	-10611.4
3229_3230	3229	3230	-465.772	17.09138	-0.36488	26.712	-40.4106	10479.47
3230_3230	3230	3230	465.6199	-76.6763	0.007875	21.79931	40.41056	-10477.1
3230_3231	3230	3231	-422.208	124.5103	-0.00788	-21.7993	-40.5143	9048.914
3231_3231	3231	3231	422.2116	-124.283	-0.16406	-21.1194	40.51425	-9048.92

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3231_3232	3231	3232	-381.965	172.0858	0.164063	21.11944	-38.5061	7050.804
3232_3232	3232	3232	381.8246	-239.432	3.077813	6.527063	38.50613	-7049.81
3232_3233	3232	3233	-359.45	269.9904	-3.07781	-6.52706	-62.6233	4950.947
3233_3233	3233	3233	359.4662	-269.849	3.052875	3.157875	62.62331	-4951
3233_3234	3233	3234	-339.368	298.9245	-3.05288	-3.15788	-85.3808	2737.416
3234_3234	3234	3234	351.9495	-294.423	3.400688	-6.52706	92.21888	-2780.1
3234_3235	3234	3235	-328.829	329.7827	-3.40069	6.573	-122.378	-105.471
3235_3235	3235	3235	336.6759	-392.045	0.904313	-5.81963	122.3289	105.5179
3235_3236	3235	3236	-324.555	415.5913	-0.90431	5.7645	-127.638	-2593.64
3236_3236	3236	3236	294.0341	-411.322	2.980688	-3.486	190.4424	2780.466
3236_3237	3236	3237	-287.533	433.3586	-2.98069	3.371813	-206.154	-5056.38
3237_3237	3237	3237	321.2921	-426.283	1.970063	10.08131	207.6388	4916.409
3237_3238	3237	3238	-319.523	474.9714	-1.97006	-10.4213	-227.203	-9494.49
3238_3238	3238	3238	334.8319	-525.698	-3.03844	-18.4314	225.4809	9495.115
3238_3239	3238	3239	-342.234	577.4619	3.038438	18.22013	-194.188	-15275.3
3239_3239	3239	3239	355.4828	-567.718	-3.15919	17.72925	197.8633	15280.17
3239_3240	3239	3240	-367.196	623.7512	3.159188	-17.9918	-163.738	-21603
3240_3240	3240	3240	385.2896	-646.526	-49.749	-39.8829	157.3543	21597.9
3240_3241	3240	3241	-394.964	685.9939	49.749	40.3305	209.6916	-26532.1
3241_3241	3241	3241	-2562.8	460.6442	-17.8119	5.32875	519.2828	8235.77
3241_3242	3241	3242	2582.732	-415.347	17.81194	-5.32875	-350.13	-4158.72
3242_3242	3242	3242	-2577.97	415.4601	-7.41431	23.35725	352.0296	4135.586
3242_3243	3242	3243	2593.268	-379.364	7.414313	-23.3573	-295.121	-1148.94
3243_3243	3243	3243	-2589.89	298.7788	-47.0282	0.42	295.1209	1147.352
3243_3244	3243	3244	2603.543	-254.006	47.02819	-0.42	152.5952	1426.779
3244_3244	3244	3244	-2603.66	254.1656	-40.5838	-0.00394	-152.595	-1426.71
3244_3245	3244	3245	2616.315	-206.652	40.58381	0.003938	562.6058	3701.077
3245_3245	3245	3245	-2617.4	144.4918	-17.0507	7.515375	-562.606	-3700.15
3245_3246	3245	3246	2627.637	-97.7222	17.05069	-7.51538	732.1716	4860.677
3246_3246	3246	3246	-2627.67	97.88231	-5.187	-6.006	-732.172	-4860.73
3246_3247	3246	3247	2635.877	-52.3714	5.187	6.006	782.3629	5552.013
3247_3247	3247	3247	-2635.86	-13.4046	-0.42656	7.415625	-782.363	-5550.97
3247_3248	3247	3248	2641.469	56.60944	0.426563	-7.41563	786.2846	5204.165
3248_3248	3248	3248	-2641.49	-56.4506	9.498563	-4.3575	-786.285	-5203.99
3248_3249	3248	3249	2645.97	105.5171	-9.49856	4.3575	687.183	4337.953
3249_3249	3249	3249	-2644.02	-160.758	-24.0306	0.689063	-687.183	-4337.41
3249_3250	3249	3250	2645.936	208.8437	24.03056	-0.68906	932.8791	2437.101
3250_3250	3250	3250	-2645.97	-208.685	-15.4166	-0.94631	-932.879	-2437.22
3250_3251	3250	3251	2646.026	252.9122	15.41663	0.946313	1077.858	263.5959
3251_3251	3251	3251	-2650.5	-306.794	101.6781	-12.117	-1077.86	-264.243
3251_3252	3251	3252	2647.171	346.311	-101.678	12.117	223.4899	-2469.19
3252_3252	3252	3252	-2646.82	-346.175	111.5231	2.70375	-223.49	2469.219
3252_3253	3252	3253	2642.17	385.7989	-111.523	-2.70375	-716.125	-5537.06
3253_3253	3253	3253	-2637.49	-385.661	115.2926	12.23906	715.974	5515.172
3253_3254	3253	3254	2632.098	422.2129	-115.293	-12.2391	-1599.45	-8591.62
3254_3254	3254	3254	-2626.39	-464.744	-49.3618	-134.291	1599.453	8585.618
3254_3255	3254	3255	2622.866	480.3159	49.36181	134.2911	-1438.3	-10216.3
3255_3255	3255	3255	376.1809	623.5215	-70.4786	-6.73181	1083.133	28395.46
3255_3256	3255	3256	-343.889	-569.436	70.47863	6.181875	-357.923	-22242.4
3256_3256	3256	3256	321.8434	586.7794	-70.6768	63.33469	349.3311	22234.31
3256_3257	3256	3257	-297.346	-545.013	70.67681	-63.6838	230.1023	-17762.5
3257_3257	3257	3257	280.5311	501.9263	15.45338	-34.6671	-220.879	17754.21
3257_3258	3257	3258	-251.815	-452.795	-15.4534	35.17763	68.00588	-13110.7
3258_3258	3258	3258	242.7285	460.9133	15.32344	1.807313	-70.7319	13108.53
3258_3259	3258	3259	-219.818	-418.921	-15.3234	-1.45819	-61.3817	-9327.75
3259_3259	3259	3259	141.8904	425.7789	16.15556	42.88856	70.75031	9725.158
3259_3260	3259	3260	-133.56	-412.678	-16.1556	-42.8046	-121.825	-8359.57
3260_3260	3260	3260	852.9846	330.4061	0.569625	15.55969	28.50225	4418.572

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3260_3261	3260	3261	-892.081	-297.878	-0.56963	-15.6424	-32.7744	-1822.91
3261_3261	3261	3261	886.3181	308.7774	0.395063	4.91925	33.1695	1821.979
3261_3262	3261	3262	-915.12	-268.818	-0.39506	-4.96125	-36.8576	1059.152
3262_3262	3262	3262	950.4075	276.2773	-0.168	-22.4175	34.41638	-1487.95
3262_3263	3262	3263	-962.336	-244.145	0.168	22.4175	-33.1301	3544.087
3263_3263	3263	3263	962.2712	168.882	1.194375	16.58344	33.13013	-3543.37
3263_3264	3263	3264	-982.115	-121.618	-1.19438	-16.5834	-46.5793	5282.345
3264_3264	3264	3264	982.0808	121.8407	0.979125	-14.742	46.57931	-5282.21
3264_3265	3264	3265	-1005.79	-72.408	-0.97913	14.742	-58.1214	6546.396
3265_3265	3265	3265	1005.732	7.80675	0.95025	27.33281	58.12144	-6546.13
3265_3266	3265	3266	-1034.2	40.93425	-0.95025	-27.3328	-69.1661	6492.852
3266_3266	3266	3266	1034.208	-40.7098	0.632625	-26.7763	69.16613	-6492.88
3266_3267	3266	3267	-1065.09	88.66988	-0.63263	26.77631	-76.4046	5902.362
3267_3267	3267	3267	1065.09	-153.208	0.851813	17.89725	76.40456	-5902.35
3267_3268	3267	3268	-1101.67	201.9071	-0.85181	-17.8973	-86.2995	4014.296
3268_3268	3268	3268	1101.676	-201.684	0.616875	-17.7017	86.2995	-4014.32
3268_3269	3268	3269	-1140.6	249.6821	-0.61688	17.70169	-93.3634	1614.956
3269_3269	3269	3269	1140.57	-318.86	-0.47775	13.49381	93.36338	-1614.67
3269_3270	3269	3270	-1188.42	370.0607	0.47775	-13.4938	-87.5398	-2367.58
3270_3270	3270	3270	1188.403	-369.824	-0.798	-14.4848	87.53981	2367.591
3270_3271	3270	3271	-1239	420.5447	0.798	14.48475	-77.8969	-6912.19
3271_3271	3271	3271	1239.4	-493.617	7.919625	-2.74444	77.89688	6911.769
3271_3272	3271	3272	-1270.48	522.6939	-7.91963	2.744438	-132.787	-10805.9
3272_3272	3272	3272	1176.215	-514.44	8.16375	-7.01794	121.9851	11655.29
3272_3273	3272	3273	-1187.51	557.0828	-8.16375	7.08225	-199.055	-16870.5
3273_3273	3273	3273	1198.141	-543.956	7.903875	4.896938	199.3517	16869.52
3273_3274	3273	3274	-1173.66	581.7512	-7.90388	-4.75519	-264.443	-21753.2
3274_3274	3274	3274	1181.833	-646.755	-38.0835	-30.5419	263.151	21755.65
3274_3275	3274	3275	-1172.21	657.5888	38.0835	30.41719	-174.476	-23360.5
3275_3275	3275	3275	1038.715	-653.423	-40.3161	-25.2827	163.6451	24250.43
3275_3276	3275	3276	-1000.11	698.9456	40.31606	24.55425	185.9694	-29881.1
3276_3276	3276	3276	1012.999	-687.78	-40.5458	33.75488	-182.588	29881.32
3276_3277	3276	3277	-964.219	734.8084	40.54575	-34.6763	535.9883	-36007.3
3277_3277	3277	3277	476.6423	-755.227	58.75406	-98.5517	-1007.94	39313.07
3277_3278	3277	3278	-483.592	812.4834	-58.7541	98.00044	393.5033	-47699.3
3278_3278	3278	3278	511.0061	-794.727	58.62281	19.09294	-383.186	47708.54
3278_3279	3278	3279	-519.528	849.5773	-58.6228	-19.7111	-183.344	-55841.3
3279_3279	3279	3279	-3911.49	659.7583	33.81788	182.7328	652.5081	19483.82
3279_3280	3279	3280	3921.113	-638.87	-33.8179	-182.733	-791.997	-16462.1
3280_3280	3280	3280	-3922.04	488.9679	-99.162	-42.8912	791.9966	16463.77
3280_3281	3280	3281	3931.934	-457.196	99.162	42.89119	-169.903	-13535.2
3281_3281	3281	3281	-3939.04	457.3013	-85.5606	-5.50463	173.7763	13913.28
3281_3282	3281	3282	3953.312	-411.479	85.56056	5.504625	652.1799	-9778.03
3282_3282	3282	3282	-3953.5	411.6302	-72.7243	25.86938	-652.18	9777.776
3282_3283	3282	3283	3964.427	-371.949	72.72431	-25.8694	1260.143	-6547.19
3283_3283	3283	3283	-4038.83	333.4209	17.91694	-8.13225	-1259.72	6898.114
3283_3284	3283	3284	4059.656	-283.072	-17.9169	8.13225	1038.203	-3174.36
3284_3284	3284	3284	-4059.54	283.2428	34.37175	7.516688	-1038.2	3174.292
3284_3285	3284	3285	4077.406	-234.679	-34.3718	-7.51669	628.3397	-161.489
3285_3285	3285	3285	-4077.62	108.0503	7.004813	-0.77438	-628.34	161.5359
3285_3286	3285	3286	4083.527	-59.8329	-7.00481	0.774375	545.4028	807.2229
3286_3286	3286	3286	-4083.41	59.98913	25.33256	0.937125	-545.403	-807.428
3286_3287	3286	3287	4086.834	-17.5757	-25.3326	-0.93713	281.568	1196.361
3287_3287	3287	3287	-4086.72	-42.2704	34.1565	-1.85719	-281.568	-1196.36
3287_3288	3287	3288	4090.114	88.26956	-34.1565	1.857188	-104.237	443.3835
3288_3288	3288	3288	-4089.96	-88.1134	48.67275	1.229813	104.2374	-443.437
3288_3289	3288	3289	4091.385	132.6491	-48.6728	-1.22981	-636.507	-771.49
3289_3289	3289	3289	-4092.06	-245.704	-19.4696	-10.7769	636.5074	771.3746

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3289_3290	3289	3290	4090.388	279.7673	19.46963	10.77694	-473.658	-2963.98
3290_3290	3290	3290	-4090.4	-279.654	-10.1548	-1.16681	473.6576	2963.941
3290_3291	3290	3291	4087.852	311.6571	10.15481	1.166813	-393.86	-5278.7
3291_3291	3291	3291	-4078.34	-311.559	-1.59206	12.48844	394.296	4874.406
3291_3292	3291	3292	4074.749	346.1627	1.592063	-12.4884	-381.743	-7453.85
3292_3292	3292	3292	-4075	-430.398	-14.2013	-25.7552	381.7433	7454.545
3292_3293	3292	3293	4073.669	441.4187	14.20125	25.75519	-346.094	-8629.53
3293_3293	3293	3293	391.9703	1174.782	-12.4044	-71.4354	67.71975	39555.75
3293_3294	3293	3294	-372.283	-1132.44	12.40444	71.45775	37.47056	-30044.4
3294_3294	3294	3294	331.5651	1146.356	-12.4661	60.63094	-51.2715	30038.53
3294_3295	3294	3295	-306.768	-1099.02	12.46613	-60.6086	173.6818	-18890.7
3295_3295	3295	3295	271.7492	1007.211	6.227813	-31.8019	-166.241	18889.4
3295_3296	3295	3296	-246.085	-956.222	-6.22781	31.7625	98.36794	-8144.94
3296_3296	3296	3296	222.9518	963.6992	6.166125	12.55275	-100.559	8142.858
3296_3297	3296	3297	-204.518	-925.713	-6.16613	-12.5698	49.52719	-159.157
3297_3297	3297	3297	156.3476	930.6124	5.919375	24.65663	-44.6959	332.6449
3297_3298	3297	3298	-146.833	-913.304	-5.91938	-24.6593	19.14019	3917.735
3298_3298	3298	3298	48.08081	805.9813	-0.03413	10.39238	21.36488	-3393.95
3298_3299	3298	3299	-36.6148	-773.169	0.034125	-10.4029	-21.0866	10367.78
3299_3299	3299	3299	33.59213	774.1821	-0.07481	0.198188	21.13125	-10368.1
3299_3300	3299	3300	-25.599	-744.517	0.074813	-0.19819	-20.5708	15223.73
3300_3300	3300	3300	81.207	744.7899	0.418688	-21.8413	15.33394	-15536.9
3300_3301	3300	3301	-74.6589	-712.279	-0.41869	21.84131	-18.3107	20685.42
3301_3301	3301	3301	74.5395	608.0104	-0.23756	47.55844	18.31069	-20685.7
3301_3302	3301	3302	-64.2088	-552.737	0.237563	-47.5584	-15.4337	27651.62
3302_3302	3302	3302	64.20488	552.8762	-0.30975	-42.4541	15.43369	-27651.6
3302_3303	3302	3303	-55.6369	-497.087	0.30975	42.45413	-11.6616	34015.99
3303_3303	3303	3303	55.63819	392.5898	2.289	53.53294	11.66156	-34017.3
3303_3304	3303	3304	-50.6888	-333.887	-2.289	-53.5329	-41.0406	38658.01
3304_3304	3304	3304	50.73206	334.0247	2.232563	-51.3844	41.04056	-38658.2
3304_3305	3304	3305	-48.0624	-281.672	-2.23256	51.38438	-66.5963	42171.35
3305_3305	3305	3305	48.00338	184.6149	-0.10894	73.584	66.59625	-42172.7
3305_3306	3305	3306	-49.2437	-124.076	0.108938	-73.584	-65.1578	44224.31
3306_3306	3306	3306	49.30013	124.2137	-0.1785	-76.5174	65.15775	-44224.6
3306_3307	3306	3307	-52.0183	-73.6956	0.1785	76.51744	-63.1916	45332.92
3307_3307	3307	3307	51.99075	-19.0851	1.723313	72.49069	63.19163	-45334.7
3307_3308	3307	3308	-59.514	76.58175	-1.72331	-72.4907	-84.8492	44772.19
3308_3308	3308	3308	59.54288	-76.4426	1.660313	-65.8704	84.84919	-44772.3
3308_3309	3308	3309	-68.3314	129.9782	-1.66031	65.87044	-104.281	43608.97
3309_3309	3309	3309	68.30381	-224.739	-1.19175	62.44744	104.2808	-43610.2
3309_3310	3309	3310	-82.0208	279.0296	1.19175	-62.4474	-90.1307	40688.88
3310_3310	3310	3310	82.00631	-278.892	-1.24688	-47.6385	90.13069	-40688.8
3310_3311	3310	3311	-98.2472	335.6798	1.246875	47.6385	-74.6511	36954.36
3311_3311	3311	3311	98.301	-417.334	5.760563	50.58638	74.65106	-36955.7
3311_3312	3311	3312	-117.184	472.7271	-5.76056	-50.5864	-144.408	31659.08
3312_3312	3312	3312	117.2063	-472.588	5.702813	-40.7019	144.4078	-31659.1
3312_3313	3312	3313	-138.021	528.2156	-5.70281	40.70194	-213.746	25675.41
3313_3313	3313	3313	137.8991	-655.295	-6.18319	33.516	213.7459	-25676.2
3313_3314	3313	3314	-168.469	713.4448	6.183188	-33.516	-135.151	17125.32
3314_3314	3314	3314	168.4397	-713.3	-6.25275	-23.3008	135.1508	-17125.3
3314_3315	3314	3315	-200.879	771.1778	6.25275	23.30081	-56.0438	7891.968
3315_3315	3315	3315	201.1446	-824.944	-6.84863	-2.26931	56.04375	-7893.77
3315_3316	3315	3316	-224.873	862.3808	6.848625	2.269313	0	1105.057
3400_3020	3400	3020	3471.87	-318.321	-11.1549	1.031625	-362.892	-4534.69
3400_3401	3400	3401	-3473.25	323.5562	11.15494	-1.03163	408.5904	3219.817
3401_3401	3401	3401	3468.847	-313.359	32.19694	-2.52	-394.229	-3219.92
3401_3402	3401	3402	-3470.04	317.8114	-32.1969	2.52	281.9447	2119.346
3402_3402	3402	3402	3476.715	-234.445	26.06363	0.431813	-283.041	-2119.2

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3402_3403	3402	3403	-3480.77	248.2909	-26.0636	-0.43181	-1.53825	-516.155
3403_3403	3403	3403	3474.048	-146.013	1.214063	-0.85706	1.922813	516.1472
3403_3404	3403	3404	-3477.01	155.0601	-1.21406	0.857063	-10.6654	-1600.61
3404_3404	3404	3404	3479.641	-75.6394	-1.56056	0.186375	11.09719	1600.61
3404_3405	3404	3405	-3482.81	84.63263	1.560563	-0.18638	0.166688	-2178.94
3405_3405	3405	3405	3481.163	32.33081	1.109063	-0.45675	-0.43444	2178.938
3405_3406	3405	3406	-3488.13	-14.6094	-1.10906	0.45675	-15.5505	-1840.74
3406_3406	3406	3406	3485.923	132.0257	0.02625	-0.96338	16.34063	1840.746
3406_3407	3406	3407	-3490.59	-121.293	-0.02625	0.963375	-16.5677	-719.115
3407_3407	3407	3407	3487.404	192.0293	-6.67144	0.04725	17.16356	719.1017
3407_3408	3407	3408	-3490.63	-185.013	6.671438	-0.04725	19.9395	329.4073
3408_3408	3408	3408	3460.043	-553.514	11.07225	-0.14306	-20.6207	-329.448
3408_3409	3408	3409	-3460.96	557.6038	-11.0723	0.143063	-12.8008	-1347.43
3409_3409	3409	3409	3453.828	529.6791	0.126	-0.89775	13.03181	1346.916
3409_3410	3409	3410	-3452.91	-525.578	-0.126	0.89775	-13.4138	250.2649
3410_3410	3410	3410	3481.845	-215.712	4.8405	-1.71544	11.40169	-250.249
3410_3411	3410	3411	-3478.62	222.7168	-4.8405	1.715438	-38.2869	-967.192
3411_3411	3411	3411	3482.581	-148.563	-3.87581	-0.15356	37.20938	967.2351
3411_3412	3411	3412	-3477.92	159.306	3.875813	0.153563	-2.85863	-2331.53
3412_3412	3412	3412	3485.605	-42.9083	0.238875	-0.78356	1.799438	2331.549
3412_3413	3412	3413	-3478.64	60.63356	-0.23888	0.783563	-5.24213	-3077.68
3413_3413	3413	3413	3485.923	55.545	3.781313	-3.2025	4.188188	3077.731
3413_3414	3413	3414	-3482.75	-46.5557	-3.78131	3.2025	-31.4606	-2709.5
3414_3414	3414	3414	3480.737	127.2968	-3.28256	1.634063	29.5575	2709.525
3414_3415	3414	3415	-3477.78	-118.243	3.282563	-1.63406	-5.89706	-1824.62
3415_3415	3415	3415	3487.634	220.8189	-14.2629	-1.50675	6.823688	1824.645
3415_3416	3415	3416	-3483.58	-206.975	14.26294	1.50675	148.9097	510.7489
3416_3416	3416	3416	3477.689	289.4653	-15.4193	1.849313	-148.857	-510.763
3416_3417	3416	3417	-3476.5	-285.019	15.41925	-1.84931	202.5673	1511.375
3417_3417	3417	3417	3480.547	297.9559	-22.7076	-2.09213	-207.897	-1511.45
3417_3036	3417	3036	-3479.17	-292.714	22.70756	2.092125	301.0376	2777.302
3420_3056	3420	3056	2864.585	-295.906	-9.70988	1.295438	-141.162	-4886.12
3420_3421	3420	3421	-2865.8	300.5415	9.709875	-1.29544	180.9111	3665.207
3421_3421	3421	3421	2861.46	-293.209	14.0385	-0.63656	-173.216	-3665.2
3421_3422	3421	3422	-2862.51	297.1513	-14.0385	0.636563	124.2767	2636.193
3422_3422	3422	3422	2868.767	-229.14	12.50025	0.864938	-124.681	-2636.17
3422_3423	3422	3423	-2872.36	241.4147	-12.5003	-0.86494	-11.8742	65.92688
3423_3423	3423	3423	2867.807	-157.173	0.917438	0.144375	10.35956	-65.9308
3423_3424	3423	3424	-2870.43	165.1886	-0.91744	-0.14438	-16.9654	-1095
3424_3424	3424	3424	2873.451	-99.6332	-1.95038	0.863625	17.35388	1094.989
3424_3425	3424	3425	-2876.26	107.6001	1.950375	-0.86363	-3.28256	-1842.66
3425_3425	3425	3425	2875.546	-12.7037	0.259875	0.443625	2.972813	1842.663
3425_3426	3425	3426	-2881.72	28.41563	-0.25988	-0.44363	-6.71606	-2139.07
3426_3426	3426	3426	2880.363	68.691	0.315	0.080063	7.293563	2139.085
3426_3427	3426	3427	-2884.5	-59.1872	-0.315	-0.08006	-10.0761	-1573.15
3427_3427	3427	3427	2882.687	118.0292	-1.56056	0.879375	10.53806	1573.149
3427_3428	3427	3428	-2885.56	-111.779	1.560563	-0.87938	-1.86375	-934.564
3428_3428	3428	3428	2852.161	-501.909	-5.30381	-0.273	3.2445	934.5919
3428_3429	3428	3429	-2852.98	505.5671	5.303813	0.273	12.81525	-2460.05
3429_3429	3429	3429	2855.29	510.7843	2.744438	0.943688	-12.9675	2463.637
3429_3430	3429	3430	-2854.47	-507.138	-2.74444	-0.94369	4.683	-927.004
3430_3430	3430	3430	2889.349	-105.65	-1.23638	1.395188	-5.13056	927.0043
3430_3431	3430	3431	-2886.48	111.8998	1.236375	-1.39519	12.00413	-1531.47
3431_3431	3431	3431	2888.184	-51.6311	2.4255	-0.28219	-11.1353	1531.475
3431_3432	3431	3432	-2884.05	61.14544	-2.4255	0.282188	-10.3583	-2031.06
3432_3432	3432	3432	2886.273	34.755	-0.32419	0.295313	9.608813	2031.11
3432_3433	3432	3433	-2880.1	-19.0483	0.324188	-0.29531	-4.94288	-1643.39
3433_3433	3433	3433	2881.178	114.0733	-0.01181	0.712688	5.588625	1643.422

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3433_3434	3433	3434	-2878.37	-106.109	0.011813	-0.71269	-5.50463	-849.359
3434_3434	3434	3434	2875.119	173.0334	2.741813	-0.24544	5.792063	849.3581
3434_3435	3434	3435	-2872.5	-165.01	-2.74181	0.245438	-25.557	369.1406
3435_3435	3435	3435	2877.056	248.4746	-23.1184	0.22575	28.21744	-369.142
3435_3436	3435	3436	-2873.46	-236.207	23.11838	-0.22575	224.1894	3015.079
3436_3436	3436	3436	2866.781	306.39	-28.3146	0.080063	-222.617	-3015.19
3436_3437	3436	3437	-2865.73	-302.438	28.31456	-0.08006	321.5284	4078.596
3437_3437	3437	3437	2870.956	306.4806	-10.2992	-1.74563	-334.103	-4078.71
3437_3072	3437	3072	-2869.74	-301.849	10.29919	1.745625	376.236	5323.034
3440_3094	3440	3094	3285.648	-275.941	-11.1969	0.654938	-50.1349	-3124.21
3440_3441	3440	3441	-3286.86	280.5364	11.19694	-0.65494	96.0015	1953.479
3441_3441	3441	3441	3280.057	-271.72	7.406438	-1.02506	-90.7699	-1953.48
3441_3442	3441	3442	-3281.1	275.6303	-7.40644	1.025063	64.92413	998.4831
3442_3442	3442	3442	3286.819	-196.011	7.204313	0.486938	-64.9491	-998.483
3442_3443	3442	3443	-3290.38	208.1586	-7.20431	-0.48694	-13.6933	-1207.31
3443_3443	3443	3443	3288.04	-112.219	-0.94763	0.438375	13.86	1207.314
3443_3444	3443	3444	-3290.64	120.1659	0.947625	-0.43838	-7.02713	-2044.99
3444_3444	3444	3444	3292.541	-43.6734	-0.31763	-0.11813	6.897188	2044.993
3444_3445	3444	3445	-3295.32	51.56288	0.317625	0.118125	-4.60294	-2388.49
3445_3445	3445	3445	3293.941	58.51125	0.15225	0.095813	5.797313	2388.497
3445_3446	3445	3446	-3300.05	-42.9542	-0.15225	-0.09581	-7.98525	-1657.3
3446_3446	3446	3446	3297.515	154.5456	-0.05119	0.23625	10.24406	1657.307
3446_3447	3446	3447	-3301.61	-145.126	0.051188	-0.23625	-9.78731	-330.31
3447_3447	3447	3447	3297.928	212.9413	3.378375	-0.29925	9.636375	330.3143
3447_3448	3447	3448	-3300.77	-206.745	-3.37838	0.29925	-28.413	836.1898
3448_3448	3448	3448	3280.669	-494.575	-15.6739	5.051813	30.54844	-836.228
3448_3449	3448	3449	-3281.48	498.1948	15.67388	-5.05181	16.84331	-664.71
3449_3449	3449	3449	3281.079	492.5799	15.68831	-5.09381	-16.8328	665.154
3449_3450	3449	3450	-3280.27	-488.972	-15.6883	5.093813	-30.4644	814.4496
3450_3450	3450	3450	3302.867	-210.047	-2.21813	0.19425	28.32375	-814.427
3450_3451	3450	3451	-3300.02	216.2449	2.218125	-0.19425	-15.9928	-370.604
3451_3451	3451	3451	3303.77	-148.345	-1.17994	-0.24938	16.04269	370.6028
3451_3452	3451	3452	-3299.68	157.7664	1.179938	0.249375	-5.59519	-1726.36
3452_3452	3452	3452	3306.436	-46.4914	0.084	-0.15094	3.845625	1726.369
3452_3453	3452	3453	-3300.32	62.04975	-0.084	0.150938	-5.05575	-2508.63
3453_3453	3453	3453	3305.657	47.88656	0.941063	-0.29794	3.546375	2508.644
3453_3454	3453	3454	-3302.87	-39.9971	-0.94106	0.297938	-10.3399	-2191.65
3454_3454	3454	3454	3301.053	116.7259	0.276938	-0.09188	10.18369	2191.653
3454_3455	3454	3455	-3298.46	-108.779	-0.27694	0.091875	-12.1761	-1378.74
3455_3455	3455	3455	3304.808	204.8209	-5.65294	-0.27694	12.117	1378.742
3455_3456	3455	3456	-3301.25	-192.674	5.652938	0.276938	49.58888	790.5161
3456_3456	3456	3456	3295.602	272.6246	-8.73994	0.168	-49.3789	-790.529
3456_3457	3456	3457	-3294.56	-268.716	8.739938	-0.168	79.87481	1734.97
3457_3457	3457	3457	3301.778	277.0609	5.253938	-0.77175	-84.5657	-1734.93
3457_3110	3457	3110	-3300.57	-272.467	-5.25394	0.77175	63.04331	2889.026
3460_3132	3460	3132	2885.023	-405.765	-31.8951	-1.73644	308.8431	-5515.55
3460_3461	3460	3461	-2886.23	411.3204	31.89506	1.736438	-152.493	3352.248
3461_3461	3461	3461	2895.523	-279.733	-15.7067	0.048563	147.2756	-3352.27
3461_3462	3461	3462	-2896.57	283.6418	15.70669	-0.04856	-92.4879	2369.711
3462_3462	3462	3462	2902.552	-214.062	-13.1066	0	93.09825	-2369.69
3462_3463	3462	3463	-2906.11	226.2159	13.10663	0	50.0325	-34.3153
3463_3463	3463	3463	2945.108	-146.626	3.613313	-0.18506	-49.4668	34.09875
3463_3464	3463	3464	-2947.71	154.5705	-3.61331	0.185063	23.4255	-1119.56
3464_3464	3464	3464	2950.501	-86.0199	3.908625	0.24675	-23.4636	1119.556
3464_3465	3464	3465	-2953.29	93.90675	-3.90863	-0.24675	-4.72369	-1768.35
3465_3465	3465	3465	2998.783	-6.92869	0.032813	-0.15356	0.927938	1768.418
3465_3466	3465	3466	-3004.9	22.48181	-0.03281	0.153563	-1.40569	-1980.32
3466_3466	3466	3466	3060.624	58.16475	2.476688	-0.14569	-1.6485	1980.173

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3466_3467	3466	3467	-3064.72	-48.7463	-2.47669	0.145688	-20.2847	-1506.82
3467_3467	3467	3467	3063.067	111.7594	2.00025	-0.33206	20.38313	1506.817
3467_3468	3467	3468	-3065.91	-105.564	-2.00025	0.332063	-31.5039	-902.877
3468_3468	3468	3468	3090.64	-588.541	1.977938	4.59375	29.29369	902.8701
3468_3469	3468	3469	-3091.45	592.1593	-1.97794	-4.59375	-35.2721	-2687.7
3469_3469	3469	3469	3094.301	588.8531	1.557938	-4.69613	17.49563	2698.743
3469_3470	3469	3470	-3093.49	-585.235	-1.55794	4.696125	-22.2075	-923.996
3470_3470	3470	3470	3071.384	-109.313	-2.04356	0.336	24.14869	924.0053
3470_3471	3470	3471	-3068.54	115.5079	2.043563	-0.336	-12.7943	-1548.78
3471_3471	3471	3471	3070.264	-52.3819	-1.56581	-0.16538	12.90188	1548.779
3471_3472	3471	3472	-3066.17	61.80038	1.565813	0.165375	0.962063	-2054.33
3472_3472	3472	3472	3016.208	21.06431	0.105	-0.04856	1.198313	2054.241
3472_3473	3472	3473	-3010.1	-5.49938	-0.105	0.048563	-2.71031	-1862.73
3473_3473	3473	3473	2971.497	94.59975	-0.12338	-0.25463	3.458438	1862.725
3473_3474	3473	3474	-2968.71	-86.7116	0.123375	0.254625	-2.5725	-1208.92
3474_3474	3474	3474	2965.897	155.6848	-0.45019	-0.1785	2.521313	1208.921
3474_3475	3474	3475	-2963.3	-147.74	0.450188	0.1785	0.723188	-115.409
3475_3475	3475	3475	2931.55	230.9357	1.392563	-1.51594	-0.19556	115.4186
3475_3476	3475	3476	-2927.99	-218.781	-1.39256	1.515938	-15.0163	2340.391
3476_3476	3476	3476	2921.884	288.9941	8.36325	3.85875	13.44394	-2340.4
3476_3477	3476	3477	-2920.84	-285.084	-8.36325	-3.85875	-42.6208	3341.769
3477_3477	3477	3477	2925.998	290.9419	-3.37313	-0.11156	46.55044	-3341.67
3477_3148	3477	3148	-2924.79	-286.348	3.373125	0.111563	-32.7351	4523.72
3480_3168	3480	3168	2815.251	-315.357	42.39769	0.883313	-125.818	-5936.22
3480_3481	3480	3481	-2816.46	319.9508	-42.3977	-0.88331	-47.8157	4635.325
3481_3481	3481	3481	2813.587	-313.832	-5.649	-2.90456	38.88544	-4635.24
3481_3482	3481	3482	-2814.63	317.7405	5.649	2.904563	-19.1796	3533.627
3482_3482	3482	3482	2821.446	-250.142	-1.99763	1.330875	20.48025	-3533.62
3482_3483	3482	3483	-2825.01	262.2966	1.997625	-1.33088	1.340063	735.2704
3483_3483	3483	3483	2875.72	-182.854	0.448875	0.259875	-5.64244	-735.291
3483_3484	3483	3484	-2878.32	190.7981	-0.44888	-0.25988	2.403188	-611.313
3484_3484	3484	3484	2882.031	-122.521	0.8295	0.234938	-2.4255	611.3113
3484_3485	3484	3485	-2884.81	130.3956	-0.8295	-0.23494	-3.54638	-1522.13
3485_3485	3485	3485	2944.646	-46.8392	1.194375	0.030188	-1.512	1521.98
3485_3486	3485	3486	-2950.76	62.40413	-1.19438	-0.03019	-15.7185	-2309.58
3486_3486	3486	3486	3024.982	16.51913	-3.71438	-0.41344	9.5865	2309.43
3486_3487	3486	3487	-3029.08	-7.10194	3.714375	0.413438	23.30213	-2204.85
3487_3487	3487	3487	3028.288	69.38925	-4.18163	0.402938	-23.1499	2204.848
3487_3488	3487	3488	-3031.13	-63.1943	4.181625	-0.40294	46.39294	-1836.4
3488_3488	3488	3488	3068.653	-628.277	7.059938	-7.35656	-54.9189	1836.401
3488_3489	3488	3489	-3069.46	631.8953	-7.05994	7.356563	33.57375	-3741.37
3489_3489	3489	3489	3071.767	632.9899	0.1785	7.674188	0.841313	3747.74
3489_3490	3489	3490	-3070.96	-629.371	-0.1785	-7.67419	-1.38075	-1839.46
3490_3490	3490	3490	3031.338	-62.5629	0.132563	0.317625	4.051688	1839.301
3490_3491	3490	3491	-3028.49	68.75794	-0.13256	-0.31763	-4.78538	-2204.24
3491_3491	3491	3491	3029.267	-6.46669	0.599813	-0.12075	4.937625	2204.241
3491_3492	3491	3492	-3025.17	15.88388	-0.59981	0.12075	-10.2493	-2303.2
3492_3492	3492	3492	2949.269	63.54994	-1.30725	-0.12863	16.17788	2303.163
3492_3493	3492	3493	-2943.16	-47.985	1.30725	0.128625	2.673563	-1499.04
3493_3493	3493	3493	2881.571	132.9799	-0.76519	-0.37406	2.8665	1499.12
3493_3494	3493	3494	-2878.79	-125.093	0.765188	0.374063	2.653875	-568.513
3494_3494	3494	3494	2875.186	190.7246	-1.0185	-0.2625	-2.67881	568.5133
3494_3495	3494	3495	-2872.59	-182.792	1.0185	0.2625	10.00913	775.8266
3495_3495	3495	3495	2820.948	263.4752	1.962188	0.954188	-6.28556	-775.842
3495_3496	3495	3496	-2817.39	-251.319	-1.96219	-0.95419	-15.1489	3587.064
3496_3496	3496	3496	2810.549	318.8194	-1.68263	-4.20656	16.44825	-3587.06
3496_3497	3496	3497	-2809.51	-314.911	1.682625	4.206563	-10.5788	4692.429
3497_3497	3497	3497	2812.984	320.7579	-31.8071	-0.76388	14.65013	-4692.42

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3497_3184	3497	3184	-2811.78	-316.164	31.80713	0.763875	115.6063	6116.5
3500_3204	3500	3204	3145.497	-317.857	-21.9043	0.704813	-19.3305	-5247.47
3500_3501	3500	3501	-3146.92	323.2898	21.90431	-0.70481	109.0333	3882.722
3501_3501	3501	3501	3143.835	-316.232	10.74413	2.542313	-101.442	-3882.95
3501_3502	3501	3502	-3145.07	320.8551	-10.7441	-2.54231	63.96075	2771.669
3502_3502	3502	3502	3151.876	-245.289	6.066375	-0.13256	-65.1144	-2771.64
3502_3503	3502	3503	-3156.09	259.665	-6.06638	0.132563	-1.14319	14.15794
3503_3503	3503	3503	3149.426	-168.438	1.198313	-0.189	1.938563	-14.1632
3503_3504	3503	3504	-3152.5	177.8346	-1.19831	0.189	-10.5801	-1233.76
3504_3504	3504	3504	3155.78	-104.496	-2.77856	1.137938	11.12738	1233.759
3504_3505	3504	3505	-3159.07	113.8239	2.778563	-1.13794	8.906625	-2021
3505_3505	3505	3505	3154.8	-10.0144	0.504	0.3045	-9.25181	2021.047
3505_3506	3505	3506	-3162.03	28.40906	-0.504	-0.3045	1.988438	-2297.88
3506_3506	3506	3506	3157.879	76.7025	2.127563	0.227063	-1.36238	2297.866
3506_3507	3506	3507	-3162.72	-65.5646	-2.12756	-0.22706	-17.4759	-1667.97
3507_3507	3507	3507	3160.703	130.5885	1.635375	0.123375	17.59406	1667.972
3507_3508	3507	3508	-3164.04	-123.323	-1.63538	-0.12338	-26.6818	-962.354
3508_3508	3508	3508	3122.766	-547.337	-0.0525	2.564625	27.82238	962.325
3508_3509	3508	3509	-3123.71	551.5821	0.0525	-2.56463	-27.6623	-2623.53
3509_3509	3509	3509	3123.425	550.4717	-7.3605	-2.73525	27.70031	2623.117
3509_3510	3509	3510	-3122.48	-546.228	7.3605	2.73525	-5.44688	-965.349
3510_3510	3510	3510	3160.913	-124.226	-0.37931	0.153563	6.456188	965.4133
3510_3511	3510	3511	-3157.58	131.4915	0.379313	-0.15356	-4.34963	-1676.05
3511_3511	3511	3511	3159.613	-66.5319	0.112875	-0.19425	4.465125	1676.049
3511_3512	3511	3512	-3154.77	77.66981	-0.11288	0.19425	-5.46525	-2314.51
3512_3512	3512	3512	3156.544	28.34869	-0.1155	-0.20869	5.78025	2314.519
3512_3513	3512	3513	-3149.32	-9.93956	0.1155	0.208688	-4.11075	-2038.47
3513_3513	3513	3513	3150.193	112.9511	0.637875	-0.20081	3.772125	2038.482
3513_3514	3513	3514	-3146.9	-103.623	-0.63788	0.200813	-8.37113	-1257.52
3514_3514	3514	3514	3143.642	176.7334	0.291375	-0.25331	8.318625	1257.522
3514_3515	3514	3515	-3140.57	-167.336	-0.29138	0.253313	-10.4186	-17.5337
3515_3515	3515	3515	3146.229	258.5769	-14.0543	-0.54469	10.35563	17.54156
3515_3516	3515	3516	-3142.02	-244.201	14.05425	0.544688	143.1413	2728.022
3516_3516	3516	3516	3135.251	319.5032	-15.3221	1.756125	-142.811	-2728.04
3516_3517	3516	3517	-3134.02	-314.881	15.32213	-1.75613	196.2621	3834.554
3517_3517	3517	3517	3135.875	319.6883	-0.70219	-2.39006	-198.942	-3834.55
3517_3220	3517	3220	-3134.45	-314.27	0.702188	2.390063	201.8113	5129.484
3520_3241	3520	3241	3123.667	-417.113	-21.9726	54.98981	-724.328	-9337.76
3520_3521	3520	3521	-3125.38	423.6304	21.97256	-54.9898	814.2278	7617.803
3521_3521	3521	3521	3104.715	-421.449	62.64169	3.77475	-802.835	-7627.37
3521_3522	3521	3522	-3106.2	426.9943	-62.6417	-3.77475	584.5796	6149.296
3522_3522	3522	3522	3115.589	-353.253	55.10269	2.23125	-588.835	-6148.89
3522_3523	3522	3523	-3120.65	370.5201	-55.1027	-2.23125	-12.9242	2196.88
3523_3523	3523	3523	3126.001	-270.661	3.1185	1.330875	7.057313	-2196.26
3523_3524	3523	3524	-3129.69	281.9539	-3.1185	-1.33088	-29.5418	203.8391
3524_3524	3524	3524	3135.472	-207.935	-6.99825	-0.04069	29.3265	-203.875
3524_3525	3524	3525	-3139.43	219.1311	6.99825	0.040688	21.10894	-1335.05
3525_3525	3525	3525	3139.815	-112.551	-0.87281	-0.53288	-24.276	1334.004
3525_3526	3525	3526	-3148.5	134.6638	0.872813	0.532875	36.86419	-3116.39
3526_3526	3526	3526	3148.796	-27.5126	1.954313	-4.34175	-36.5584	3112.948
3526_3527	3526	3527	-3154.61	40.89356	-1.95431	4.34175	19.25438	-3415.83
3527_3527	3527	3527	3154.768	25.53731	-5.79206	4.4205	-15.498	3415.852
3527_3528	3527	3528	-3158.75	-16.8893	5.792063	-4.4205	47.65425	-3298.07
3528_3528	3528	3528	3093.333	-654.851	8.936813	-9.15731	-50.2333	3297.865
3528_3529	3528	3529	-3094.47	659.9224	-8.93681	9.157313	23.14463	-5290.35
3529_3529	3529	3529	3091.886	645.0924	-2.08031	6.134625	-22.4779	5288.706
3529_3530	3529	3530	-3090.76	-640.037	2.080313	-6.13463	28.76475	-3346.92
3530_3530	3530	3530	3152.817	-27.1031	13.17356	-6.37613	-27.5559	3345.983

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3530_3531	3530	3531	-3148.84	35.7525	-13.1736	6.376125	-45.5976	-3520.5
3531_3531	3531	3531	3148.912	31.01569	5.421938	1.362375	41.67056	3520.553
3531_3532	3531	3532	-3143.1	-17.6282	-5.42194	-1.36238	-89.7107	-3305.07
3532_3532	3532	3532	3145.821	118.6434	-0.81113	-1.27444	84.63656	3303.188
3532_3533	3532	3533	-3137.14	-96.5383	0.811125	1.274438	-72.9435	-1752.29
3533_3533	3533	3533	3139.257	194.7159	-0.8295	0.192938	70.72931	1752.102
3533_3534	3533	3534	-3135.3	-183.52	0.8295	-0.19294	-64.7535	-389.125
3534_3534	3534	3534	3130.068	257.8262	-2.83631	-1.08675	64.65638	389.1392
3534_3535	3534	3535	-3126.38	-246.53	2.836313	1.08675	-44.1998	1429.806
3535_3535	3535	3535	3138.71	331.4771	-21.4843	4.6725	47.78944	-1427.59
3535_3536	3535	3536	-3133.65	-314.222	21.48431	-4.6725	186.6913	4951.123
3536_3536	3536	3536	3124.884	391.0948	-33.5068	-10.4514	-181.267	-4951.32
3536_3537	3536	3537	-3123.4	-385.534	33.50681	10.45144	298.3103	6307.749
3537_3537	3537	3537	3088.509	596.4801	-22.4923	-54.3401	-306.072	-6320.35
3537_3255	3537	3255	-3086.79	-587.609	22.49231	54.34013	429.4238	9662.824
3540_3279	3540	3279	4597.248	-625.864	27.47981	135.3096	-416.308	-6364.74
3540_3541	3540	3541	-4599.09	634.4888	-27.4798	-135.31	279.6006	3104.908
3541_3541	3541	3541	4618.502	-413.218	32.05125	0.658875	-266.978	-3166.11
3541_3542	3541	3542	-4620.1	419.1849	-32.0513	-0.65888	155.3291	1716.27
3542_3542	3542	3542	4628.731	-310.278	25.0635	1.673438	-156.044	-1716.2
3542_3543	3542	3543	-4634.17	328.8653	-25.0635	-1.67344	-117.754	-1774.79
3543_3543	3543	3543	4670.277	-188.108	-6.73444	-2.69325	110.9574	1771.187
3543_3544	3543	3544	-4674.25	200.2481	6.734438	2.69325	-62.4422	-3170.11
3544_3544	3544	3544	4677.627	-91.6637	-12.1446	-0.45019	63.66675	3170.087
3544_3545	3544	3545	-4681.88	103.7177	12.14456	0.450188	23.89013	-3874.36
3545_3545	3545	3545	4663.305	45.09881	-2.94	-2.06719	-22.302	3867.437
3545_3546	3545	3546	-4672.65	-21.3019	2.94	2.067188	64.69313	-3388.71
3546_3546	3546	3546	4647.206	171.8443	17.03231	-2.32969	-62.2532	3383.663
3546_3547	3546	3547	-4653.46	-157.434	-17.0323	2.329688	-88.662	-1924.9
3547_3547	3547	3547	4649.019	257.6844	5.700188	0.336	90.69769	1924.808
3547_3548	3547	3548	-4653.29	-248.409	-5.70019	-0.336	-122.328	-520.594
3548_3548	3548	3548	4612.23	-740.234	-29.7163	0.315	129.0752	510.7646
3548_3549	3548	3549	-4613.45	745.6759	29.71631	-0.315	-39.0154	-2762.37
3549_3549	3549	3549	4637.878	763.3749	-28.7477	-4.64494	40.13363	2766.491
3549_3550	3549	3550	-4636.63	-758.045	28.74769	4.644938	45.41119	-502.782
3550_3550	3550	3550	4663.793	-255.563	22.55663	-4.1895	-41.1613	506.0291
3550_3551	3550	3551	-4659.28	264.9544	-22.5566	4.1895	-86.5371	-1979.41
3551_3551	3551	3551	4664.153	-158.967	6.970688	0.358313	83.47238	1979.544
3551_3552	3551	3552	-4658	172.5675	-6.97069	-0.35831	-142.163	-3375.15
3552_3552	3552	3552	4662.06	7.5705	-1.64719	-2.68013	140.4388	3373.377
3552_3553	3552	3553	-4652.7	15.582	1.647188	2.680125	-117.239	-3429.79
3553_3553	3553	3553	4654.664	152.817	-7.25288	-4.43756	114.0169	3427.44
3553_3554	3553	3554	-4650.43	-141.081	7.252875	4.437563	-62.9803	-2393.31
3554_3554	3554	3554	4645.2	261.1153	-18.9866	0.09975	60.79894	2393.37
3554_3555	3554	3555	-4641.27	-249.265	18.98663	-0.09975	72.91988	-596.127
3555_3555	3555	3555	4644.581	411.0724	-23.4951	-1.58944	-74.6406	594.1031
3555_3556	3555	3556	-4639.28	-392.947	23.49506	1.589438	324.9133	3688.031
3556_3556	3556	3556	4626.637	521.1898	-21.4699	9.06675	-325.27	-3687.99
3556_3557	3556	3557	-4625.1	-515.316	21.46988	-9.06675	398.7992	5462.884
3557_3557	3557	3557	4582.338	710.787	5.025563	-5.03344	-400.264	-5465.29
3557_3293	3557	3293	-4579.89	-699.573	-5.02556	5.033438	367.7284	10130.61
43000_3000	43000	3000	5.288063	580.8639	-1.61175	2.670938	0	29.21231
43000_3001	43000	3001	-5.28806	-523.773	1.61175	-2.67094	24.03844	8209.554
43001_3001	43001	3001	5.285438	523.7728	-1.61831	-7.00481	-24.0384	-8209.55
43001_3002	43001	3002	-5.28544	-483.982	1.618313	7.004813	40.85813	13448.22
43002_3002	43002	3002	5.3235	413.7394	2.92425	13.94138	-40.8581	-13448.5
43002_3003	43002	3003	-5.3235	-367.197	-2.92425	-13.9414	5.290688	18196.74
43003_3003	43003	3003	5.32875	367.1968	2.915063	-17.6387	-5.29069	-18196.7

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43003_3004	43003	3004	-5.32875	-320.627	-2.91506	17.63869	-30.1849	22381.4
43004_3004	43004	3004	5.305125	268.2396	0.23625	9.988125	30.18488	-22381.9
43004_3005	43004	3005	-5.30513	-221.679	-0.23625	-9.98813	-33.0566	25361.87
43005_3005	43005	3005	5.306438	221.6786	0.231	-13.2838	33.05663	-25361.9
43005_3006	43005	3006	-5.30644	-175.085	-0.231	13.28381	-35.8706	27776.98
43006_3006	43006	3006	5.303813	122.6991	-0.06431	24.12506	35.87063	-27777.4
43006_3007	43006	3007	-5.30381	-76.1473	0.064313	-24.1251	-35.0818	28986.66
43007_3007	43007	3007	5.303813	76.14731	-0.0735	-26.0833	35.08181	-28986.7
43007_3008	43007	3008	-5.30381	-29.568	0.0735	26.08331	-34.1801	29629.95
43008_3008	43008	3008	5.310375	-22.0106	0.753375	11.4345	34.18013	-29630.8
43008_3009	43008	3009	-5.31038	68.58075	-0.75338	-11.4345	-43.3519	29079.68
43009_3009	43009	3009	5.311688	-68.5808	0.749438	-12.2942	43.35188	-29079.7
43009_3010	43009	3010	-5.31169	115.1469	-0.74944	12.29419	-52.4685	27961.99
43010_3010	43010	3010	5.3025	-167.76	-0.29794	21.28088	52.4685	-27962.5
43010_3011	43010	3011	-5.3025	214.3221	0.297938	-21.2809	-48.8381	25638.37
43011_3011	43011	3011	5.3025	-214.322	-0.30713	-20.58	48.83813	-25638.4
43011_3012	43011	3012	-5.3025	260.8738	0.307125	20.58	-45.1028	22748.42
43012_3012	43012	3012	5.306438	-312.795	0.165375	8.322563	45.10275	-22748.9
43012_3013	43012	3013	-5.30644	359.3756	-0.16538	-8.32256	-47.1148	18658.48
43013_3013	43013	3013	5.306438	-359.376	0.161438	-6.90769	47.11481	-18658.5
43013_3014	43013	3014	-5.30644	405.9536	-0.16144	6.907688	-49.0731	14001.59
43014_3014	43014	3014	5.306438	-462.924	0.13125	5.32875	49.07306	-14001.8
43014_3015	43014	3015	-5.30644	525.9043	-0.13125	-5.32875	-51.2361	5866.027
43015_3015	43015	3015	11.28881	-525.81	0.123375	-3.60938	51.19931	-5862.74
43015_3016	43015	3016	-11.6235	555.2807	-0.12338	3.609375	-52.2204	1407.633
43016_3016	43016	3016	25.97569	-608.052	1.806	-1.42144	62.84381	-2561.26
43016_3017	43016	3017	-27.3578	650.1889	-1.806	1.421438	-84.0814	-5125.61
43017_3017	43017	3017	45.60019	-649.165	1.799438	1.953	84.357	5125.6
43017_3018	43017	3018	-48.7069	700.1571	-1.79944	-1.953	-108.237	-14064.4
43018_3018	43018	3018	73.83863	-760.396	-0.00394	-16.5506	106.8703	14064.42
43018_3019	43018	3019	-78.3431	810.9229	0.003938	16.55063	-106.827	-23884.3
43019_3019	43019	3019	100.7173	-808.45	-0.01312	17.86181	110.7028	23884.31
43019_3020	43019	3020	-107.009	862.2023	0.013125	-17.8618	-110.539	-34157.7
43020_3020	43020	3020	-3181.51	270.7386	-12.9833	-6.72394	316.8191	7215.084
43020_3021	43020	3021	3181.511	-235.884	12.98325	6.723938	-193.562	-4810.17
43021_3021	43021	3021	-3181.53	235.8838	-6.90113	2.471438	193.5623	4810.179
43021_3022	43021	3022	3181.529	-210.189	6.901125	-2.47144	-140.065	-3081.1
43022_3022	43022	3022	-3181.53	210.189	-6.90113	2.471438	140.0648	3081.102
43022_3023	43022	3023	3181.529	-184.494	6.901125	-2.47144	-86.5659	-1551.22
43023_3023	43023	3023	-3181.6	123.5246	-11.8571	-0.42919	86.56594	1551.275
43023_3024	43023	3024	3181.596	-97.0016	11.85713	0.429188	8.318625	-668.937
43024_3024	43024	3024	-3181.6	97.00163	-11.8571	-0.42919	-8.31863	668.9366
43024_3025	43024	3025	3181.596	-70.4786	11.85713	0.429188	103.2032	1.162875
43025_3025	43025	3025	-3181.61	70.47863	-8.3055	-0.4305	-103.203	-1.16287
43025_3026	43025	3026	3181.608	-43.9924	8.3055	0.4305	169.5711	458.5429
43026_3026	43026	3026	-3181.58	-15.6673	-6.8355	-0.19425	-169.571	-458.643
43026_3027	43026	3027	3181.584	35.55694	6.8355	0.19425	210.5919	304.9436
43027_3027	43027	3027	-3181.59	-35.5569	-1.56056	-0.69956	-210.592	-304.942
43027_3028	43027	3028	3181.591	55.44394	1.560563	0.699563	219.9553	31.93444
43028_3028	43028	3028	-3181.59	-55.4439	-1.56056	-0.69956	-219.955	-31.9344
43028_3029	43028	3029	3181.591	75.33094	1.560563	0.699563	229.3187	-360.397
43029_3029	43029	3029	-3181.59	-75.3309	3.715688	-0.10238	-229.319	360.3968
43029_3030	43029	3030	3181.589	95.21531	-3.71569	0.102375	207.0246	-871.958
43030_3030	43030	3030	-3181.59	-155.366	2.269313	-3.62513	-207.025	871.9003
43030_3031	43030	3031	3181.591	181.9125	-2.26931	3.625125	188.8464	-2222.54
43031_3031	43031	3031	-3181.59	-181.913	5.835375	-1.134	-188.846	2222.543
43031_3032	43031	3032	3181.587	208.4211	-5.83538	1.134	142.17	-3783.51
43032_3032	43032	3032	-3181.58	-208.421	9.795188	3.573938	-142.17	3783.51

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43032_3033	43032	3033	3181.576	234.9283	-9.79519	-3.57394	63.83606	-5556.28
43033_3033	43033	3033	-3181.61	-297.991	5.298563	-12.6656	-63.8361	5556.443
43033_3034	43033	3034	3181.612	323.6664	-5.29856	12.66563	22.79288	-7964.25
43034_3034	43034	3034	-3181.59	-323.666	13.86263	8.774063	-22.7929	7964.254
43034_3035	43034	3035	3181.587	349.3691	-13.8626	-8.77406	-84.7048	-10573.8
43035_3035	43035	3035	-3181.59	-349.369	12.04088	2.718188	84.70481	10573.76
43035_3036	43035	3036	3181.593	384.2554	-12.0409	-2.71819	-199.125	-14340.7
43036_3036	43036	3036	117.6591	718.9271	0.985688	-16.1884	-16.9811	43792.05
43036_3037	43036	3037	-111.366	-665.205	-0.98569	16.18838	4.576688	-34916.1
43037_3037	43037	3037	92.904	668.0336	0.956813	13.629	-7.67025	34916.09
43037_3038	43037	3038	-88.3995	-617.506	-0.95681	-13.629	-4.34438	-26689.3
43038_3038	43038	3038	67.79719	566.5603	-0.25069	-5.50988	5.883938	26690.25
43038_3039	43038	3039	-64.6905	-515.588	0.250688	5.509875	-2.562	-19559.4
43039_3039	43039	3039	58.40231	408.9002	-0.78488	1.410938	21.12338	3730.084
43039_3040	43039	3040	-57.036	-367.209	0.784875	-1.41094	-11.8926	980.3184
43040_3040	43040	3040	48.53231	311.5652	0.009187	2.121	11.90831	-980.331
43040_3041	43040	3041	-48.2029	-282.634	-0.00919	-2.121	-11.9884	3598.13
43041_3041	43041	3041	44.98988	283.1627	-0.03675	-1.49625	12.012	-3598.13
43041_3042	43041	3042	-44.9899	-232.866	0.03675	1.49625	-11.4279	7525.618
43042_3042	43042	3042	44.99119	178.2191	0.097125	3.518813	11.42794	-7525.8
43042_3043	43042	3043	-44.9912	-140.67	-0.09713	-3.51881	-12.5895	9431.744
43043_3043	43043	3043	44.99119	140.6698	0.059063	-4.34306	12.5895	-9431.74
43043_3044	43043	3044	-44.9912	-103.123	-0.05906	4.343063	-13.3035	10888.75
43044_3044	43044	3044	44.9925	52.60106	0.116813	9.625875	13.3035	-10889
43044_3045	43044	3045	-44.9925	-15.057	-0.11681	-9.62588	-14.7	11293.3
43045_3045	43045	3045	44.9925	15.057	0.039375	-9.98288	14.7	-11293.3
43045_3046	43045	3046	-44.9925	22.51331	-0.03938	9.982875	-15.1646	11248.71
43046_3046	43046	3046	44.9925	-72.5064	-0.07613	0.421313	15.16463	-11249
43046_3047	43046	3047	-44.9925	110.04	0.076125	-0.42131	-14.2472	10158.36
43047_3047	43047	3047	44.9925	-110.04	-0.08006	-0.26119	14.24719	-10158.4
43047_3048	43047	3048	-44.9925	147.6051	0.080063	0.261188	-13.2943	8617.828
43048_3048	43048	3048	44.99381	-198.373	0.077438	0.126	13.29431	-8618.05
43048_3049	43048	3049	-44.9938	235.9298	-0.07744	-0.126	-14.2144	6021.742
43049_3049	43049	3049	44.99381	-235.93	0.080063	0.518438	14.21438	-6021.74
43049_3050	43049	3050	-44.9938	273.4568	-0.08006	-0.51844	-15.1699	2979.113
43050_3050	43050	3050	44.99119	-327.956	-0.30319	0.143063	15.16988	-2979.15
43050_3051	43050	3051	-44.9912	378.2034	0.303188	-0.14306	-10.3215	-3015.58
43051_3051	43051	3051	49.28438	-377.668	-0.32681	1.426688	10.33856	3015.585
43051_3052	43051	3052	-49.5876	404.3826	0.326813	-1.42669	-7.64269	-6249.82
43052_3052	43052	3052	60.11775	-460.597	0.952875	-2.21813	7.557375	6249.8
43052_3053	43052	3053	-61.3778	499.0125	-0.95288	2.218125	-18.7583	-11883
43053_3053	43053	3053	78.141	-502.643	0.721875	5.180438	27.69638	12383.93
43053_3054	43053	3054	-81.1532	551.9141	-0.72188	-5.18044	-37.275	-19588.3
43054_3054	43054	3054	101.8763	-608.265	0.723188	-19.6547	35.28	19588.26
43054_3055	43054	3055	-106.23	656.9824	-0.72319	19.65469	-44.352	-27225
43055_3055	43055	3055	124.3423	-653.796	0.647063	21.85313	48.804	27225
43055_3056	43055	3056	-130.403	705.4688	-0.64706	-21.8531	-56.952	-35505.8
43056_3056	43056	3056	-2895.34	326.8886	-10.5617	-5.59519	203.2249	10425.17
43056_3057	43056	3057	2895.338	-293.085	10.56169	5.595188	-102.859	-7479.59
43057_3057	43057	3057	-2895.35	293.0852	-6.83025	4.176375	102.8593	7424.337
43057_3058	43057	3058	2895.35	-266.128	6.83025	-4.17638	-49.9459	-5258.1
43058_3058	43058	3058	-2895.35	266.1278	-6.83025	4.176375	49.94588	5258.096
43058_3059	43058	3059	2895.35	-239.17	6.83025	-4.17638	2.968875	-3300.7
43059_3059	43059	3059	-2895.39	180.1354	-10.6614	-1.33481	-2.96888	3300.735
43059_3060	43059	3060	2895.391	-152.274	10.66144	1.334813	88.33913	-1969.84
43060_3060	43060	3060	-2895.4	152.2736	-7.28831	0.959438	-88.3391	1969.842
43060_3061	43060	3061	2895.401	-124.449	7.288313	-0.95944	146.622	-863.377
43061_3061	43061	3061	-2895.4	124.4486	-7.28831	0.959438	-146.622	863.3769

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43061_3062	43061	3062	2895.401	-96.6236	7.288313	-0.95944	204.9062	20.57344
43062_3062	43062	3062	-2895.39	39.62963	-0.26644	0.300563	-204.906	-20.6259
43062_3063	43062	3063	2895.391	-18.7451	0.266438	-0.30056	206.5088	195.8106
43063_3063	43063	3063	-2895.39	18.74513	-0.26644	0.300563	-206.509	-195.811
43063_3064	43063	3064	2895.391	2.138063	0.266438	-0.30056	208.1126	245.6514
43064_3064	43064	3064	-2895.39	-2.13806	-0.26644	0.300563	-208.113	-245.651
43064_3065	43064	3065	2895.391	23.02125	0.266438	-0.30056	209.7152	170.1459
43065_3065	43065	3065	-2895.39	-23.0213	4.249875	0.035438	-209.715	-170.146
43065_3066	43065	3066	2895.388	43.869	-4.24988	-0.03544	184.2527	-30.24
43066_3066	43066	3066	-2895.38	-100.902	6.212063	-1.39519	-184.253	30.15863
43066_3067	43066	3067	2895.378	128.7549	-6.21206	1.395188	134.5299	-949.367
43067_3067	43067	3067	-2895.38	-128.755	6.212063	-1.39519	-134.53	949.3667
43067_3068	43067	3068	2895.378	156.6088	-6.21206	1.395188	84.80719	-2091.54
43068_3068	43068	3068	-2895.35	-156.609	13.22081	3.668438	-84.8072	2091.534
43068_3069	43068	3069	2895.354	184.422	-13.2208	-3.66844	-20.874	-3454.61
43069_3069	43069	3069	-2895.44	-243.243	5.771063	-8.43281	20.874	3454.689
43069_3070	43069	3070	2895.442	270.2214	-5.77106	8.432813	-65.6237	-5445.31
43070_3070	43070	3070	-2895.43	-270.221	9.282	-1.82963	65.62369	5445.312
43070_3071	43070	3071	2895.433	297.1631	-9.282	1.829625	-137.499	-7641.97
43071_3071	43071	3071	-2895.42	-297.163	13.07119	8.418375	137.4988	7697.219
43071_3072	43071	3072	2895.418	330.9784	-13.0712	-8.41838	-261.743	-10682.6
43072_3072	43072	3072	123.1703	696.3784	-0.0525	-10.6063	35.8365	35788.66
43072_3073	43072	3073	-117.109	-644.709	0.0525	10.60631	-35.1789	-27353.2
43073_3073	43073	3073	99.25913	647.6978	-0.08531	10.19025	32.928	27353.18
43073_3074	43073	3074	-94.9056	-598.991	0.085312	-10.1903	-31.8583	-19533.6
43074_3074	43074	3074	75.03694	552.6754	-0.63525	-0.89775	32.75475	19534.32
43074_3075	43074	3075	-72.0261	-503.388	0.63525	0.89775	-24.3246	-12527.5
43075_3075	43075	3075	50.98275	398.6653	-1.28756	-2.793	17.28431	-3932.48
43075_3076	43075	3076	-49.7648	-361.491	1.287563	2.793	-2.13675	8402.429
43076_3076	43076	3076	41.4855	312.1545	0.791438	10.92263	1.920188	-8402.62
43076_3077	43076	3077	-41.1915	-286.359	-0.79144	-10.9226	-8.442	10868.95
43077_3077	43077	3077	37.93256	286.8088	0.715313	-10.7218	8.565375	-10880
43077_3078	43077	3078	-37.9326	-238.526	-0.71531	10.72181	-18.9735	14701.36
43078_3078	43078	3078	37.926	188.3319	-0.15356	-0.50006	18.9735	-14701.7
43078_3079	43078	3079	-37.926	-151.052	0.153563	0.500063	-17.2489	16607.89
43079_3079	43079	3079	37.926	151.0517	-0.15356	-0.50006	17.24888	-16607.9
43079_3080	43079	3080	-37.926	-113.773	0.153563	0.500063	-15.5229	18095.27
43080_3080	43080	3080	37.92469	69.57563	-0.20081	7.666313	15.52294	-18095.6
43080_3081	43080	3081	-37.9247	-32.2665	0.200813	-7.66631	-13.2707	18668.03
43081_3081	43081	3081	37.92469	32.2665	-0.23231	-8.16769	13.27069	-18668
43081_3082	43081	3082	-37.9247	5.0085	0.232313	8.167688	-10.6588	18821.1
43082_3082	43082	3082	37.92863	-52.4003	0.076125	7.82775	10.65881	-18821.4
43082_3083	43082	3083	-37.9286	92.463	-0.07613	-7.82775	-11.5854	17947.05
43083_3083	43083	3083	37.92863	-92.463	0.043313	-7.665	11.58544	-17947
43083_3084	43083	3084	-37.9286	132.5586	-0.04331	7.665	-12.1157	16587.78
43084_3084	43084	3084	37.92863	-180.02	0.032813	7.122938	12.11569	-16588.1
43084_3085	43084	3085	-37.9286	217.2883	-0.03281	-7.12294	-12.4884	14357.22
43085_3085	43085	3085	37.92863	-217.288	-0.00131	-6.17531	12.48844	-14357.2
43085_3086	43085	3086	-37.9286	254.5896	0.001313	6.175313	-12.4661	11705.4
43086_3086	43086	3086	37.92863	-300.11	-0.13781	4.175063	12.46613	-11705.7
43086_3087	43086	3087	-37.9286	337.4083	0.137813	-4.17506	-10.9226	8123.287
43087_3087	43087	3087	37.92731	-337.408	-0.16931	-2.77069	10.92263	-8123.29
43087_3088	43087	3088	-37.9273	374.6728	0.169313	2.770688	-9.01556	4125.583
43088_3088	43088	3088	37.92863	-422.888	-0.16406	-0.03675	9.015563	-4125.64
43088_3089	43088	3089	-37.9286	469.3159	0.164063	0.03675	-6.72394	-2115.17
43089_3089	43089	3089	43.25475	-468.855	-0.19556	1.701	6.743625	2126.205
43089_3090	43089	3090	-43.5645	496.1683	0.195563	-1.701	-5.13188	-6293.03
43090_3090	43090	3090	55.86	-545.976	0.16275	-5.74088	4.927125	6293.011

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43090_3091	43090	3091	-57.1476	585.2188	-0.16275	5.740875	-6.84075	-13012
43091_3091	43091	3091	76.17619	-588.265	-0.15619	5.814375	12.36769	13399.01
43091_3092	43091	3092	-79.1306	636.7318	0.156188	-5.81438	-10.2887	-21476
43092_3092	43092	3092	102.1046	-692.279	1.001438	-10.7783	8.994563	21475.89
43092_3093	43092	3093	-106.379	740.2434	-1.00144	10.77825	-21.5683	-30556.5
43093_3093	43093	3093	126.8413	-737.013	0.969938	11.89388	23.98594	30556.47
43093_3094	43093	3094	-132.8	787.9003	-0.96994	-11.8939	-36.1922	-40241.7
43094_3094	43094	3094	-3157.91	297.6133	-5.271	-10.2323	14.44275	11020.69
43094_3095	43094	3095	3157.912	-264.386	5.271	10.23225	35.65013	-8240.83
43095_3095	43095	3095	-3157.92	264.3861	1.363688	7.079625	-35.6501	8240.833
43095_3096	43095	3096	3157.917	-238.094	-1.36369	-7.07963	25.09238	-6295.45
43096_3096	43096	3096	-3157.92	238.0941	1.479188	7.310625	-25.0924	6295.447
43096_3097	43096	3097	3157.917	-211.768	-1.47919	-7.31063	13.62375	-4551.53
43097_3097	43097	3097	-3157.96	154.9944	-3.89419	-3.0135	-13.6238	4551.596
43097_3098	43097	3098	3157.956	-127.82	3.894188	3.0135	44.79431	-3419.91
43098_3098	43098	3098	-3157.96	127.8204	-0.05381	1.147125	-44.7943	3419.91
43098_3099	43098	3099	3157.959	-100.679	0.053813	-1.14713	45.2235	-2506.74
43099_3099	43099	3099	-3157.96	100.6793	0.049875	1.2285	-45.2235	2506.74
43099_3100	43099	3100	3157.959	-73.5053	-0.04988	-1.2285	44.8245	-1809.76
43100_3100	43100	3100	-3157.9	18.37106	11.51456	6.657	-44.8245	1809.716
43100_3101	43100	3101	3157.896	2.009438	-11.5146	-6.657	-24.2865	-1760.62
43101_3101	43101	3101	-3157.9	-2.00944	11.51456	6.657	24.2865	1760.615
43101_3102	43101	3102	3157.896	22.38863	-11.5146	-6.657	-93.3988	-1833.83
43102_3102	43102	3102	-3157.88	-22.3886	-14.9533	-8.71369	93.39881	1833.824
43102_3103	43102	3103	3157.882	42.74025	14.95331	8.713688	-3.77475	-2028.99
43103_3103	43103	3103	-3157.9	-42.7403	-9.52088	-5.22375	3.77475	2029.006
43103_3104	43103	3104	3157.903	63.12338	9.520875	5.22375	53.37806	-2346.76
43104_3104	43104	3104	-3157.9	-118.238	-2.05669	-2.90194	-53.3781	2346.759
43104_3105	43104	3105	3157.896	145.4158	2.056688	2.901938	69.84469	-3401.89
43105_3105	43105	3105	-3157.9	-145.416	1.767938	1.218	-69.8447	3401.888
43105_3106	43105	3106	3157.897	172.5583	-1.76794	-1.218	55.713	-4672.77
43106_3106	43106	3106	-3157.9	-172.558	1.886063	1.393875	-55.713	4672.77
43106_3107	43106	3107	3157.897	199.7363	-1.88606	-1.39388	40.61531	-6162.62
43107_3107	43107	3107	-3157.91	-256.453	0.426563	-4.62131	-40.6153	6162.695
43107_3108	43107	3108	3157.914	282.7794	-0.42656	4.621313	37.30913	-8253.06
43108_3108	43108	3108	-3157.91	-282.779	0.311063	-4.9245	-37.3091	8253.063
43108_3109	43108	3109	3157.914	309.0714	-0.31106	4.9245	34.90463	-10544.5
43109_3109	43109	3109	-3157.91	-309.071	3.640875	6.195	-34.9046	10544.45
43109_3110	43109	3110	3157.913	342.2961	-3.64088	-6.195	0.3045	-13776
43110_3110	43110	3110	140.0753	731.4694	-0.65494	-28.4891	34.13025	43604.07
43110_3111	43110	3111	-134.117	-680.59	0.654938	28.48913	-25.8864	-34637.1
43111_3111	43111	3111	115.2152	684.0435	-0.74288	26.14369	20.15475	34637.13
43111_3112	43111	3112	-110.94	-636.089	0.742875	-26.1437	-10.8281	-26531
43112_3112	43112	3112	90.07819	590.1079	-0.168	-4.90875	13.43081	26531.6
43112_3113	43112	3113	-87.1251	-541.62	0.168	4.90875	-11.2048	-19054.9
43113_3113	43113	3113	65.07769	435.4704	-0.65494	0.53025	26.23031	2008.651
43113_3114	43113	3114	-63.8033	-396.636	0.654938	-0.53025	-18.5351	3084.441
43114_3114	43114	3114	54.70631	346.8124	-0.40819	-0.62213	18.55088	-3084.52
43114_3115	43114	3115	-54.3992	-319.788	0.408188	0.622125	-15.1843	6256.862
43115_3115	43115	3115	50.76225	320.3852	-0.40425	-0.43575	15.17644	-6272.91
43115_3116	43115	3116	-50.7623	-275.569	0.40425	0.43575	-9.32006	10024.24
43116_3116	43116	3116	50.76225	227.8566	0.056438	10.46588	9.320063	-10024.2
43116_3117	43116	3117	-50.7623	-193.117	-0.05644	-10.4659	-9.95663	12390.49
43117_3117	43117	3117	50.76225	193.1173	-0.03281	-11.3873	9.956625	-12390.5
43117_3118	43117	3118	-50.7623	-158.41	0.032813	11.38725	-9.5865	14364.59
43118_3118	43118	3118	50.76094	114.6534	-0.03675	13.50694	9.5865	-14364.7
43118_3119	43118	3119	-50.7609	-79.9457	0.03675	-13.5069	-9.17175	15457.51
43119_3119	43119	3119	50.76094	79.94569	-0.12731	-14.0149	9.17175	-15457.5

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43119_3120	43119	3120	-50.7609	-45.2393	0.127313	14.01488	-7.74113	16160.51
43120_3120	43120	3120	50.76094	-0.50531	-0.23888	6.549375	7.741125	-16160.4
43120_3121	43120	3121	-50.7609	37.80788	0.238875	-6.54938	-4.86281	15929.18
43121_3121	43121	3121	50.76094	-37.8079	-0.28088	-6.64519	4.862813	-15929.2
43121_3122	43121	3122	-50.7609	75.10913	0.280875	6.645188	-1.47525	15247.67
43122_3122	43122	3122	50.75963	-121.366	-0.13256	6.351188	1.47525	-15247.7
43122_3123	43122	3123	-50.7596	156.0707	0.132563	-6.35119	0.013125	13689.76
43123_3123	43123	3123	50.75963	-156.071	-0.1785	-5.96794	-0.01312	-13689.8
43123_3124	43123	3124	-50.7596	190.806	0.1785	5.967938	2.017313	11740.2
43124_3124	43124	3124	50.75963	-235.67	-0.25463	8.293688	-2.01731	-11740.2
43124_3125	43124	3125	-50.7596	270.3737	0.254625	-8.29369	4.875938	8898.638
43125_3125	43125	3125	50.75963	-270.374	-0.34519	-7.55344	-4.87594	-8898.64
43125_3126	43125	3126	-50.7596	305.0775	0.345188	7.553438	8.749125	5667.375
43126_3126	43126	3126	50.75963	-353.635	-0.02494	0.58275	-8.74913	-5667.35
43126_3127	43126	3127	-50.7596	396.312	0.024938	-0.58275	9.08775	518.1669
43127_3127	43127	3127	55.25888	-395.71	-0.084	0.133875	-9.08644	-502.699
43127_3128	43127	3128	-55.5411	420.5211	0.084	-0.13388	9.782063	-3066.48
43128_3128	43128	3128	66.3285	-473.727	-0.32681	-6.15169	-9.99075	3066.375
43128_3129	43128	3129	-67.4993	509.4403	0.326813	6.151688	13.83638	-9191.8
43129_3129	43129	3129	87.48075	-514.188	0.639188	12.48713	-12.1288	9797.01
43129_3130	43129	3130	-90.3407	561.1358	-0.63919	-12.4871	3.6435	-16868.9
43130_3130	43130	3130	111.2304	-616.557	-1.10906	-7.67813	-5.09775	16868.74
43130_3131	43130	3131	-115.377	663.0579	1.109063	7.678125	19.00894	-25136.2
43131_3131	43131	3131	138.9806	-658.514	-1.14713	9.657375	-17.1846	25136.21
43131_3132	43131	3132	-144.771	704.7324	1.147125	-9.65738	30.68625	-33397.4
43132_3132	43132	3132	-2852.01	274.0592	34.7655	19.83844	-427.619	8406.29
43132_3133	43132	3133	2852.009	-239.237	-34.7655	-19.8384	69.53363	-5517.97
43133_3133	43133	3133	-2852.05	239.2373	31.08525	12.71813	-69.5336	5517.995
43133_3134	43133	3134	2852.051	-215.283	-31.0853	-12.7181	-171.38	-3756.73
43134_3134	43134	3134	-2852.22	215.2828	-1.89263	-30.7178	171.3797	3756.626
43134_3135	43134	3135	2852.22	-191.234	1.892625	30.71775	-156.655	-2175.14
43135_3135	43135	3135	-2852.33	136.8268	-3.70781	-0.35175	156.6548	2175.718
43135_3136	43135	3136	2852.325	-112.097	3.707813	0.35175	-126.987	-1179.89
43136_3136	43136	3136	-2852.33	112.0967	-3.70781	-0.35175	126.987	1179.89
43136_3137	43136	3137	2852.325	-87.3666	3.707813	0.35175	-97.3193	-381.928
43137_3137	43137	3137	-2852.33	87.36656	-0.19688	0.118125	97.31925	381.9283
43137_3138	43137	3138	2852.328	-62.6679	0.196875	-0.11813	-95.7456	217.5311
43138_3138	43138	3138	-2852.33	10.31231	-4.23413	0.022313	95.74556	-217.62
43138_3139	43138	3139	2852.329	8.235938	4.234125	-0.02231	-70.3343	223.8508
43139_3139	43139	3139	-2852.33	-8.23594	-4.23413	0.022313	70.33425	-223.851
43139_3140	43139	3140	2852.329	26.78288	4.234125	-0.02231	-44.9229	118.7813
43140_3140	43140	3140	-2852.33	-26.7829	0.518438	-0.17588	44.92294	-118.78
43140_3141	43140	3141	2852.333	45.32981	-0.51844	0.175875	-48.0323	-97.5831
43141_3141	43141	3141	-2852.33	-45.3298	-4.23413	-0.33863	48.03225	97.58306
43141_3142	43141	3142	2852.329	63.87806	4.234125	0.338625	-22.6209	-425.253
43142_3142	43142	3142	-2852.33	-117.569	-3.03319	-0.16275	22.62094	425.1686
43142_3143	43142	3143	2852.33	142.2986	3.033188	0.16275	1.644563	-1464.78
43143_3143	43143	3143	-2852.33	-142.299	0.531563	1.668188	-1.64456	1464.778
43143_3144	43143	3144	2852.332	167.0288	-0.53156	-1.66819	-2.60925	-2702.23
43144_3144	43144	3144	-2852.33	-167.029	-3.03319	-1.70888	2.60925	2702.226
43144_3145	43144	3145	2852.33	191.7589	3.033188	1.708875	21.65756	-4137.56
43145_3145	43145	3145	-2852.29	-249.649	-3.45975	2.518688	-21.6576	4137.578
43145_3146	43145	3146	2852.294	273.6064	3.45975	-2.51869	48.47325	-6165.44
43146_3146	43146	3146	-2852.29	-273.606	-7.13869	-5.43375	-48.4733	6165.433
43146_3147	43146	3147	2852.287	297.5634	7.138688	5.43375	103.8096	-8379.03
43147_3147	43147	3147	-2852.29	-297.563	-4.33125	2.815313	-103.81	8379.028
43147_3148	43147	3148	2852.294	329.6843	4.33125	-2.81531	144.9617	-11358.8
43148_3148	43148	3148	149.1879	646.6307	-0.03938	-0.89775	-6.67275	36923.6

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43148_3149	43148	3149	-143.396	-597.201	0.039375	0.89775	7.174125	-29105.3
43149_3149	43149	3149	126.7967	600.9439	-0.04069	-0.32681	-7.22925	29105.27
43149_3150	43149	3150	-122.651	-554.438	0.040687	0.326813	7.739813	-21857.2
43150_3150	43150	3150	104.0143	507.6855	-1.365	-0.45413	-7.72538	21857.18
43150_3151	43150	3151	-101.154	-460.732	1.365	0.454125	25.84706	-15430.9
43151_3151	43151	3151	80.94056	340.2788	-0.21263	-0.34256	-5.91938	-370.36
43151_3152	43151	3152	-79.737	-303.585	0.212625	0.342563	8.423625	4154.998
43152_3152	43152	3152	72.59438	251.055	0.147	-1.42669	-8.41444	-4154.99
43152_3153	43152	3153	-72.3043	-225.557	-0.147	1.426688	7.201688	6121.318
43153_3153	43153	3153	69.73706	226.3643	0.164063	0.211313	-7.21744	-6121.32
43153_3154	43153	3154	-69.7371	-185.212	-0.16406	-0.21131	4.956	8949.205
43154_3154	43154	3154	69.73706	135.1862	0.177188	4.496625	-4.956	-8949.19
43154_3155	43154	3155	-69.7371	-102.241	-0.17719	-4.49663	3.012188	10255.21
43155_3155	43155	3155	69.73706	102.2411	0.112875	-4.82344	-3.01219	-10255.2
43155_3156	43155	3156	-69.7371	-69.2948	-0.11288	4.823438	1.767938	11198.77
43156_3156	43156	3156	69.73706	24.42563	0.187688	-0.00788	-1.76794	-11198.8
43156_3157	43156	3157	-69.7371	5.555813	-0.18769	0.007875	-0.1155	11293.25
43157_3157	43157	3157	69.73706	-5.55581	0.187688	-0.00788	0.1155	-11293.2
43157_3158	43157	3158	-69.7371	35.53594	-0.18769	0.007875	-1.99763	11087.56
43158_3158	43158	3158	69.73969	-76.2195	0.03675	0.242813	1.997625	-11087.5
43158_3159	43158	3159	-69.7397	106.2009	-0.03675	-0.24281	-2.36513	10174.35
43159_3159	43159	3159	69.73969	-106.201	0.035438	0.081375	2.365125	-10174.4
43159_3160	43159	3160	-69.7397	136.2113	-0.03544	-0.08138	-2.72081	8959.713
43160_3160	43160	3160	69.73969	-181.536	0.0945	3.420375	2.720813	-8959.76
43160_3161	43160	3161	-69.7397	214.452	-0.0945	-3.42038	-3.75244	6783.511
43161_3161	43161	3161	69.73969	-214.452	0.028875	-2.8455	3.752438	-6783.51
43161_3162	43161	3162	-69.7397	247.3984	-0.02888	2.8455	-4.07663	4243.033
43162_3162	43162	3162	69.73838	-298.642	0.15225	0.423938	4.076625	-4243.02
43162_3163	43162	3163	-69.7384	339.8246	-0.15225	-0.42394	-6.174	-148.475
43163_3163	43163	3163	73.59844	-339.01	0.221813	0.208688	6.177938	148.4753
43163_3164	43163	3164	-73.8885	364.4773	-0.22181	-0.20869	-8.00363	-3076.36
43164_3164	43164	3164	83.52488	-419.194	0.027562	2.243063	8.078438	3076.235
43164_3165	43164	3165	-84.7284	455.8864	-0.02756	-2.24306	-8.40131	-8271.54
43165_3165	43165	3165	104.3989	-462.095	-0.35175	-2.51475	7.069125	9000.754
43165_3166	43165	3166	-107.297	509.6608	0.35175	2.51475	-2.39269	-15513.7
43166_3166	43166	3166	127.4398	-572.499	0.271688	0.126	2.563313	15513.76
43166_3167	43166	3167	-131.637	619.5827	-0.27169	-0.126	-5.96794	-23066.9
43167_3167	43167	3167	148.6944	-615.712	0.271688	-0.03938	5.96925	23066.89
43167_3168	43167	3168	-154.553	665.7591	-0.27169	0.039375	-9.38438	-30899.9
43168_3168	43168	3168	-2731.03	305.0276	-2.58563	-5.04788	15.47044	8343.796
43168_3169	43168	3169	2731.029	-272.467	2.585625	5.047875	9.093	-5600.31
43169_3169	43169	3169	-2731.03	272.4671	1.1235	2.55675	-9.093	5600.312
43169_3170	43169	3170	2731.03	-247.849	-1.1235	-2.55675	0.387188	-3583.85
43170_3170	43170	3170	-2731.03	247.8486	1.1235	2.55675	-0.38719	3583.847
43170_3171	43170	3171	2731.03	-223.231	-1.1235	-2.55675	-8.31994	-1758.19
43171_3171	43171	3171	-2731.03	161.6948	-0.56569	-0.08531	8.319938	1758.296
43171_3172	43171	3172	2731.034	-136.315	0.565688	0.085313	-3.79575	-567.588
43172_3172	43172	3172	-2731.03	136.3149	-0.51056	-0.0735	3.79575	567.588
43172_3173	43172	3173	2731.034	-110.902	0.510563	0.0735	0.28875	421.4123
43173_3173	43173	3173	-2731.03	110.9023	-0.51056	-0.0735	-0.28875	-421.412
43173_3174	43173	3174	2731.034	-85.491	0.510563	0.0735	4.371938	1207.088
43174_3174	43174	3174	-2731.03	28.25419	2.417625	-1.07625	-4.37194	-1207.17
43174_3175	43174	3175	2731.025	-9.19538	-2.41763	1.07625	-10.1351	1319.538
43175_3175	43175	3175	-2731.03	9.195375	-2.13281	1.122188	10.13513	-1319.54
43175_3176	43175	3176	2731.025	9.863438	2.132813	-1.12219	2.665688	1317.533
43176_3176	43176	3176	-2731.03	-9.86344	2.417625	-1.07363	-2.66569	-1317.53
43176_3177	43176	3177	2731.025	28.92225	-2.41763	1.073625	-11.8414	1201.163
43177_3177	43177	3177	-2731.03	-28.9223	-2.13281	0.927938	11.84138	-1201.16

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43177_3178	43177	3178	2731.025	47.98106	2.132813	-0.92794	0.958125	970.4192
43178_3178	43178	3178	-2731.03	-105.567	-0.49219	-0.45413	-0.95813	-970.434
43178_3179	43178	3179	2731.034	130.9796	0.492188	0.454125	4.896938	24.12375
43179_3179	43179	3179	-2731.03	-130.98	-0.49219	-0.45413	-4.89694	-24.1238
43179_3180	43179	3180	2731.034	156.3909	0.492188	0.454125	8.837063	-1125.51
43180_3180	43180	3180	-2731.03	-156.391	2.920313	0.951563	-8.83706	1125.509
43180_3181	43180	3181	2731.033	181.8036	-2.92031	-0.95156	-14.5307	-2478.44
43181_3181	43181	3181	-2731.01	-243.713	-3.40463	-3.42038	14.53069	2478.56
43181_3182	43181	3182	2731.005	268.2999	3.404625	3.420375	11.823	-4460.33
43182_3182	43182	3182	-2731.01	-268.3	0.177188	2.429438	-11.823	4460.332
43182_3183	43182	3183	2731.008	292.9172	-0.17719	-2.42944	10.44488	-6635.31
43183_3183	43183	3183	-2731.01	-292.917	-0.65625	0.402938	-10.4449	6635.31
43183_3184	43183	3184	2731.008	325.4777	0.65625	-0.40294	16.68188	-9764.52
43184_3184	43184	3184	148.4346	641.7351	-0.22706	-0.462	-1.11038	33069.51
43184_3185	43184	3185	-142.576	-591.688	0.227063	0.462	3.97425	-25401.9
43185_3185	43185	3185	126.1851	595.3999	-0.22706	-0.35175	-3.98606	25401.94
43185_3186	43185	3186	-121.986	-548.315	0.227063	0.35175	6.842063	-18186.8
43186_3186	43186	3186	103.1494	495.7378	-0.24281	-0.91744	-6.804	18186.7
43186_3187	43186	3187	-100.251	-448.172	0.242813	0.917438	10.02225	-12121.5
43187_3187	43187	3187	70.91175	327.5318	-0.30713	0.127313	2.500313	-4827.08
43187_3188	43187	3188	-69.6531	-289.178	0.307125	-0.12731	1.105125	8742.081
43188_3188	43188	3188	62.78606	233.4767	0.107625	-1.91494	-1.07888	-8742.06
43188_3189	43188	3189	-62.4842	-206.812	-0.10763	1.914938	0.191625	9910.958
43189_3189	43189	3189	60.12956	207.5089	0.123375	0.586688	-0.21263	-9902.04
43189_3190	43189	3190	-60.1296	-162.574	-0.12338	-0.58669	-1.47525	12444.83
43190_3190	43190	3190	60.13088	108.4899	0.055125	-0.30713	1.47525	-12444.9
43190_3191	43190	3191	-60.1309	-72.5156	-0.05513	0.307125	-2.07506	13440.57
43191_3191	43191	3191	60.13088	72.51563	0.055125	-0.30713	2.075063	-13440.6
43191_3192	43191	3192	-60.1309	-36.5426	-0.05513	0.307125	-2.67356	14040.47
43192_3192	43192	3192	60.12956	-12.1052	0.148313	-0.09581	2.673563	-14040.4
43192_3193	43192	3193	-60.1296	45.03713	-0.14831	0.095813	-4.16194	13752.63
43193_3193	43193	3193	60.12956	-45.0371	0.148313	-0.09581	4.161938	-13752.6
43193_3194	43193	3194	-60.1296	77.96775	-0.14831	0.095813	-5.649	13133.22
43194_3194	43194	3194	60.1335	-122.475	-0.05644	0.170625	5.649	-13133.2
43194_3195	43194	3195	-60.1335	155.4066	0.056437	-0.17063	-5.07806	11733.91
43195_3195	43195	3195	60.1335	-155.407	-0.05644	0.170625	5.078063	-11733.9
43195_3196	43195	3196	-60.1335	188.3385	0.056437	-0.17063	-4.50844	10002.94
43196_3196	43196	3196	60.13088	-236.783	0.02625	-2.83631	4.508438	-10002.9
43196_3197	43196	3197	-60.1309	272.7231	-0.02625	2.836313	-4.7985	7202.875
43197_3197	43197	3197	60.13088	-272.723	0.080063	3.609375	4.7985	-7202.88
43197_3198	43197	3198	-60.1309	308.6961	-0.08006	-3.60938	-5.68181	4004.645
43198_3198	43198	3198	60.13088	-362.852	0.035438	0.43575	5.681813	-4004.69
43198_3199	43198	3199	-60.1309	407.82	-0.03544	-0.43575	-6.174	-1333.2
43199_3199	43199	3199	64.85194	-407.096	0.021	0.683813	6.183188	1315.376
43199_3200	43199	3200	-65.1735	434.8641	-0.021	-0.68381	-6.35775	-4893.26
43200_3200	43200	3200	76.58306	-491.489	0.89775	-0.72581	6.328875	4893.275
43200_3201	43200	3201	-77.9166	531.3827	-0.89775	0.725813	-16.8735	-11081.3
43201_3201	43201	3201	98.26556	-537.532	0.489563	2.07375	23.27194	11838.74
43201_3202	43201	3202	-101.549	590.6998	-0.48956	-2.07375	-29.7728	-19361.1
43202_3202	43202	3202	124.1061	-653.048	0.641813	0.679875	29.77013	19361.13
43202_3203	43202	3203	-128.83	705.4136	-0.64181	-0.67988	-37.8302	-27779.8
43203_3203	43203	3203	148.2994	-701.58	0.641813	-0.3675	37.83413	27779.81
43203_3204	43203	3204	-154.838	756.9083	-0.64181	0.3675	-45.9178	-37048.2
43204_3204	43204	3204	-3082.22	337.2758	1.752188	2.670938	26.24081	10548.72
43204_3205	43204	3205	3082.217	-300.7	-1.75219	-2.67094	-42.8859	-7413.51
43205_3205	43205	3205	-3082.22	300.7003	-1.28231	-4.47038	42.88594	7035.679
43205_3206	43205	3206	3082.219	-272.807	1.282313	4.470375	-32.9451	-4813.03
43206_3206	43206	3206	-3082.22	272.8071	2.69325	1.739063	32.94506	4813.027

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43206_3207	43206	3207	3082.217	-244.914	-2.69325	-1.73906	-53.8217	-2806.62
43207_3207	43207	3207	-3082.05	178.6418	-6.71475	-0.3255	53.82169	2806.713
43207_3208	43207	3208	3082.051	-149.848	6.71475	0.3255	-0.09712	-1492.58
43208_3208	43208	3208	-3082.05	149.8481	-6.77775	-0.357	0.097125	1492.584
43208_3209	43208	3209	3082.049	-121.091	6.77775	0.357	54.06056	-410.041
43209_3209	43209	3209	-3082.06	121.0913	-2.86256	0.164063	-54.0606	410.0408
43209_3210	43209	3210	3082.056	-92.2976	2.862563	-0.16406	76.96894	443.6106
43210_3210	43210	3210	-3082.14	27.46538	-3.6015	0.187688	-76.9689	-443.759
43210_3211	43210	3211	3082.137	-5.87081	3.6015	-0.18769	98.58188	543.7793
43211_3211	43211	3211	-3082.14	5.870813	-3.6015	0.187688	-98.5819	-543.779
43211_3212	43211	3212	3082.137	15.72506	3.6015	-0.18769	120.1961	514.2126
43212_3212	43212	3212	-3082.14	-15.7251	1.534313	-0.66938	-120.196	-514.211
43212_3213	43212	3213	3082.139	37.31963	-1.53431	0.669375	110.9929	355.0614
43213_3213	43213	3213	-3082.14	-37.3196	-3.6015	-0.07744	-110.993	-355.063
43213_3214	43213	3214	3082.137	58.91419	3.6015	0.077437	132.6071	66.32194
43214_3214	43214	3214	-3082.25	-124.038	7.056	0.822938	-132.607	-66.3141
43214_3215	43214	3215	3082.254	152.8301	-7.056	-0.82294	76.14731	-1041.29
43215_3215	43215	3215	-3082.26	-152.83	3.205125	-0.47906	-76.1473	1041.285
43215_3216	43215	3216	3082.261	181.6238	-3.20513	0.479063	50.50631	-2379.28
43216_3216	43216	3216	-3082.26	-181.624	3.205125	-0.47906	-50.5063	2379.279
43216_3217	43216	3217	3082.261	210.4174	-3.20513	0.479063	24.86531	-3947.65
43217_3217	43217	3217	-3082.19	-276.315	2.9505	-7.077	-24.8653	3947.539
43217_3218	43217	3218	3082.194	304.2073	-2.9505	7.077	1.993688	-6197.33
43218_3218	43218	3218	-3082.19	-304.207	-1.02506	-15.0714	-1.99369	6197.321
43218_3219	43218	3219	3082.195	332.1019	1.025063	15.07144	9.939562	-8663.37
43219_3219	43219	3219	-3082.17	-332.102	11.69963	22.12875	-9.93956	9041.177
43219_3220	43219	3220	3082.173	368.6366	-11.6996	-22.1288	-101.095	-12366.4
43220_3220	43220	3220	146.2716	734.7099	-1.69706	-49.0875	50.00231	39070.92
43220_3221	43220	3221	-139.733	-679.387	1.697063	49.0875	-28.6414	-30174.7
43221_3221	43221	3221	120.8721	682.9935	-1.88606	46.30631	18.59681	30174.7
43221_3222	43221	3222	-116.148	-630.633	1.886063	-46.3063	5.072813	-22153.2
43222_3222	43222	3222	94.70475	576.4566	4.353563	-3.81675	-0.65756	22152.39
43222_3223	43222	3223	-91.4209	-523.296	-4.35356	3.81675	-57.1436	-14781.8
43223_3223	43223	3223	52.77169	393.4206	-0.22706	-4.26563	1.059188	-2013.68
43223_3224	43223	3224	-51.3686	-351.414	0.227063	4.265625	1.617	6626.439
43224_3224	43224	3224	42.97913	291.1335	0.511875	22.66688	-2.02125	-6626.52
43224_3225	43224	3225	-42.6405	-261.905	-0.51188	-22.6669	-2.20631	8653.076
43225_3225	43225	3225	39.606	262.3819	0.328125	-17.6781	2.468813	-8647.57
43225_3226	43225	3226	-39.606	-203.91	-0.32813	17.67806	-7.69388	12361.85
43226_3226	43226	3226	39.60075	141.2814	0.825563	28.59019	7.693875	-12360.8
43226_3227	43226	3227	-39.6008	-96.8664	-0.82556	-28.5902	-17.6846	13801.78
43227_3227	43227	3227	39.60338	96.86644	0.6615	-28.6506	17.68463	-13801.8
43227_3228	43227	3228	-39.6034	-52.4843	-0.6615	28.65056	-25.683	14704.79
43228_3228	43228	3228	39.59944	-6.24619	0.826875	29.89481	25.683	-14702.2
43228_3229	43228	3229	-39.5994	50.631	-0.82688	-29.8948	-35.6816	14358.33
43229_3229	43229	3229	39.60206	-50.631	0.662813	-29.4486	35.68163	-14358.3
43229_3230	43229	3230	-39.6021	95.02106	-0.66281	29.44856	-43.7023	13477.54
43230_3230	43230	3230	39.62569	-154.169	-0.10763	23.63813	43.70231	-13474.3
43230_3231	43230	3231	-39.6257	199.1863	0.107625	-23.6381	-42.3872	11307.24
43231_3231	43231	3231	39.62569	-199.186	-0.27038	-22.7443	42.38719	-11307.2
43231_3232	43231	3232	-39.6257	244.1723	0.270375	22.74431	-39.081	8590.072
43232_3232	43232	3232	39.54169	-309.977	2.160375	7.437938	39.081	-8587.85
43232_3233	43232	3233	-39.5417	338.7366	-2.16038	-7.43794	-56.0044	6046.271
43233_3233	43233	3233	39.543	-338.737	2.135438	3.74325	56.00438	-6046.28
43233_3234	43233	3234	-39.543	366.1009	-2.13544	-3.74325	-71.9276	3418.77
43234_3234	43234	3234	43.84669	-365.61	2.023875	-6.77644	71.85281	-3418.77
43234_3235	43234	3235	-44.2365	398.8609	-2.02388	6.776438	-89.7999	29.93322
43235_3235	43235	3235	52.46325	-460.812	1.98975	-5.06494	89.76713	-29.8061

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43235_3236	43235	3236	-53.0814	482.9121	-1.98975	5.064938	-101.439	-2794.72
43236_3236	43236	3236	68.13188	-488.57	4.759125	-3.96375	180.4583	3659.525
43236_3237	43236	3237	-68.9627	509.3051	-4.75913	3.96375	-205.536	-6279.12
43237_3237	43237	3237	77.65538	-508.053	4.618688	10.53019	206.4681	6279.084
43237_3238	43237	3238	-80.304	554.3974	-4.61869	-10.5302	-252.27	-11599.5
43238_3238	43238	3238	97.08431	-605.782	-1.80863	-19.4224	250.5064	11596.08
43238_3239	43238	3239	-101	655.1738	1.808625	19.42238	-231.868	-18157.4
43239_3239	43239	3239	116.0775	-652.671	-1.92281	17.08875	235.6502	18157.32
43239_3240	43239	3240	-121.574	706.2759	1.922813	-17.0888	-214.858	-25322.1
43240_3240	43240	3240	142.9352	-734.902	-52.6142	-42.2756	208.4014	25311.47
43240_3241	43240	3241	-147.568	772.7423	52.61419	42.27563	179.7193	-30871.5
43241_3241	43241	3241	-3018.34	421.0369	-19.4906	5.69625	559.6907	8710.394
43241_3242	43241	3242	3018.339	-377.921	19.49063	-5.69625	-374.602	-4916.73
43242_3242	43242	3242	-3018.39	377.9213	-8.69006	23.289	374.6019	4916.679
43242_3243	43242	3243	3018.389	-343.589	8.690063	-23.289	-307.907	-2147.88
43243_3243	43243	3243	-3015.37	269.1045	-47.9443	0.001313	307.9073	2146.002
43243_3244	43243	3244	3015.372	-226.518	47.94431	-0.00131	148.5317	213.2078
43244_3244	43244	3244	-3015.47	226.5178	-41.3477	-0.46594	-148.532	-213.208
43244_3245	43244	3245	3015.47	-181.325	41.34769	0.465938	566.2663	2273.401
43245_3245	43245	3245	-3016.43	119.0503	-17.787	6.832875	-566.266	-2272.42
43245_3246	43245	3246	3016.428	-74.5658	17.787	-6.83288	743.1559	3235.141
43246_3246	43246	3246	-3016.48	74.56575	-5.64375	-6.19106	-743.156	-3235.14
43246_3247	43246	3247	3016.475	-31.2782	5.64375	6.191063	797.7743	3747.257
43247_3247	43247	3247	-3016.45	-33.8835	-0.81113	6.549375	-797.774	-3746.25
43247_3248	43247	3248	3016.449	74.97788	0.811125	-6.54938	805.2306	3246.209
43248_3248	43248	3248	-3016.43	-74.9779	9.347625	-4.38375	-805.231	-3246.21
43248_3249	43248	3249	3016.435	121.6478	-9.34763	4.38375	707.7092	2220.509
43249_3249	43249	3249	-3014.54	-176.288	-23.6513	-0.252	-707.709	-2220.04
43249_3250	43249	3250	3014.543	222.0264	23.65125	0.252	949.5281	183.7474
43250_3250	43250	3250	-3014.6	-222.026	-14.8352	-0.78881	-949.528	-183.746
43250_3251	43250	3251	3014.6	264.0934	14.83519	0.788813	1089.035	-2102.01
43251_3251	43251	3251	-3019.03	-315.887	102.0863	-13.7393	-1089.04	2101.164
43251_3252	43251	3252	3019.032	353.4746	-102.086	13.73925	231.2441	-4913.36
43252_3252	43252	3252	-3018.67	-353.475	112.1623	2.660438	-231.244	4913.384
43252_3253	43252	3253	3018.674	391.1631	-112.162	-2.66044	-713.752	-8050.26
43253_3253	43253	3253	-3018.53	-391.163	115.9869	12.86119	713.7519	8050.253
43253_3254	43253	3254	3018.53	425.9535	-115.987	-12.8612	-1602.55	-11181
43254_3254	43254	3254	-3012.58	-463.763	-50.9132	-136.627	1602.555	11175.25
43254_3255	43254	3255	3012.583	478.5848	50.91319	136.6273	-1436.34	-12840.6
43255_3255	43255	3255	153.132	674.8678	-72.6193	-9.33844	1099.539	35313.79
43255_3256	43255	3256	-146.113	-622.607	72.61931	9.338438	-352.377	-28574.6
43256_3256	43256	3256	122.2436	627.7071	-72.8149	66.66188	343.1991	28574.6
43256_3257	43256	3257	-118.384	-587.5	72.81488	-66.6619	253.7259	-23777.7
43257_3257	43257	3257	100.2317	536.508	18.47869	-38.5967	-243.969	23772.55
43257_3258	43257	3258	-96.6394	-489.308	-18.4787	38.59669	61.21238	-18781.7
43258_3258	43258	3258	86.85338	491.1454	18.35006	1.974	-64.1747	18781.77
43258_3259	43258	3259	-84.6024	-450.926	-18.3501	-1.974	-94.017	-14741.6
43259_3259	43259	3259	78.28931	452.0736	18.16631	44.61713	92.19656	14741.56
43259_3260	43259	3260	-77.7696	-439.619	-18.1663	-44.6171	-149.622	-13275.8
43260_3260	43260	3260	99.93375	390.5672	-0.52106	20.90025	36.64763	-3806.69
43260_3261	43260	3261	-98.9953	-360.18	0.521063	-20.9003	-32.7377	6733.474
43261_3261	43261	3261	92.33044	361.9455	-0.70744	6.558563	33.28763	-6733.5
43261_3262	43261	3262	-91.8632	-324.261	0.707438	-6.55856	-26.6726	9681.62
43262_3262	43262	3262	87.83513	325.3753	-1.00669	-27.0244	26.75138	-9703.84
43262_3263	43262	3263	-87.8351	-295.001	1.006688	27.02438	-19.0365	12079.75
43263_3263	43263	3263	87.79313	220.6536	2.2995	19.86469	19.0365	-12078.7
43263_3264	43263	3264	-87.7931	-175.977	-2.2995	-19.8647	-44.94	14312.98
43264_3264	43264	3264	87.79969	175.9774	2.075063	-16.6832	44.94	-14313

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43264_3265	43264	3265	-87.7997	-129.251	-2.07506	16.68319	-69.3893	16111.32
43265_3265	43265	3265	87.80888	65.40975	1.29675	32.21925	69.38925	-16110.6
43265_3266	43265	3266	-87.8089	-19.3384	-1.29675	-32.2193	-84.4554	16602.94
43266_3266	43266	3266	87.81281	19.33838	0.964688	-30.5681	84.45544	-16602.9
43266_3267	43266	3267	-87.8128	25.99538	-0.96469	30.56813	-95.4844	16564.89
43267_3267	43267	3267	87.81675	-89.208	1.098563	22.21538	95.48438	-16565
43267_3268	43267	3268	-87.8168	135.2413	-1.09856	-22.2154	-108.23	15262.25
43268_3268	43268	3268	87.81938	-135.241	0.851813	-20.5091	108.2301	-15262.3
43268_3269	43268	3269	-87.8194	180.6105	-0.85181	20.50913	-117.981	13455.36
43269_3269	43269	3269	87.81938	-247.375	0.35175	19.67044	117.9806	-13456
43269_3270	43269	3270	-87.8194	295.7719	-0.35175	-19.6704	-122.27	10141.55
43270_3270	43270	3270	87.82069	-295.772	0.01575	-19.0313	122.2699	-10141.5
43270_3271	43270	3271	-87.8207	343.7149	-0.01575	19.03125	-122.467	6275.817
43271_3271	43271	3271	87.88369	-415.696	6.528375	6.93	122.4668	-6276
43271_3272	43271	3272	-87.8837	443.1814	-6.52838	-6.93	-167.715	3464.506
43272_3272	43272	3272	93.38831	-442.057	6.324938	-4.39688	167.6732	-3441.12
43272_3273	43272	3273	-93.8897	482.5039	-6.32494	4.396875	-227.383	-1141.17
43273_3273	43273	3273	103.2649	-480.588	6.049313	-5.41669	227.3618	1141.17
43273_3274	43273	3274	-104.396	516.1157	-6.04931	5.416688	-277.182	-5450.08
43274_3274	43274	3274	111.9471	-575.122	-33.7326	-21.8964	276.5293	5450.589
43274_3275	43274	3275	-112.382	585.2346	33.73256	21.89644	-197.98	-6869.15
43275_3275	43275	3275	119.3811	-583.842	-33.8061	-15.5873	198.1809	6877.764
43275_3276	43275	3276	-121.734	626.6046	33.80606	15.58725	95.00663	-12152.6
43276_3276	43276	3276	133.4891	-624.192	-34.0568	20.20856	-92.7675	12152.58
43276_3277	43276	3277	-136.742	668.1124	34.05675	-20.2086	389.6655	-17779.4
43277_3277	43277	3277	140.217	-826.049	61.50769	-100.368	-1025.63	41143.11
43277_3278	43277	3278	-145.417	880.7925	-61.5077	100.3682	382.4494	-50243.8
43278_3278	43278	3278	175.2503	-875.355	61.37644	17.4195	-372.081	50244.01
43278_3279	43278	3279	-182.042	927.9099	-61.3764	-17.4195	-220.975	-59128.4
43279_3279	43279	3279	-4377.47	620.8624	36.10031	186.9368	704.5238	19660.73
43279_3280	43279	3280	4377.472	-600.92	-36.1003	-186.937	-853.43	-16755.4
43280_3280	43280	3280	-4378.49	462.6602	-101.918	-42.8098	853.4295	16757.1
43280_3281	43280	3281	4378.486	-432.33	101.9183	42.80981	-214.052	-13949.8
43281_3281	43281	3281	-4378.79	432.3296	-87.9204	-5.92988	214.0517	14334.06
43281_3282	43281	3282	4378.789	-388.726	87.92044	5.929875	634.6869	-10371
43282_3282	43282	3282	-4379.03	388.7258	-74.9411	24.81019	-634.687	10371
43282_3283	43282	3283	4379.03	-350.965	74.94113	-24.8102	1261.175	-7279.18
43283_3283	43283	3283	-4378.5	286.5083	17.64525	-8.95519	-1261.17	7279.548
43283_3284	43283	3284	4378.499	-239	-17.6453	8.955188	1043.018	-4031.09
43284_3284	43284	3284	-4378.4	238.9997	34.49775	6.559875	-1043.02	4031.093
43284_3285	43284	3285	4378.398	-193.175	-34.4978	-6.55988	631.6511	-1454.34
43285_3285	43285	3285	-4378.63	88.68694	6.313125	-2.07375	-631.651	1454.429
43285_3286	43285	3286	4378.626	-43.1891	-6.31313	2.07375	556.9108	-673.75
43286_3286	43286	3286	-4378.56	43.18913	25.08319	0.815063	-556.911	673.7522
43286_3287	43286	3287	4378.558	-3.16706	-25.0832	-0.81506	295.6734	-432.352
43287_3287	43287	3287	-4378.43	-62.1639	33.894	-3.44138	-295.673	432.1761
43287_3288	43287	3288	4378.428	105.5683	-33.894	3.441375	-87.1579	-1379.45
43288_3288	43288	3288	-4378.29	-105.568	48.75938	1.241625	87.15788	1379.453
43288_3289	43288	3289	4378.287	147.5933	-48.7594	-1.24163	-620.387	-2763.71
43289_3289	43289	3289	-4379.07	-258.203	-20.3766	-12.8494	620.3873	2763.977
43289_3290	43289	3290	4379.075	290.346	20.37656	12.84938	-449.947	-5058.14
43290_3290	43290	3290	-4379.11	-290.346	-10.836	-1.82963	449.9473	5058.152
43290_3291	43290	3291	4379.109	320.5453	10.836	1.829625	-364.79	-7458.47
43291_3291	43291	3291	-4379.12	-320.545	-2.08425	13.26019	364.7897	7074.189
43291_3292	43291	3292	4379.122	353.3381	2.08425	-13.2602	-348.365	-9729.93
43292_3292	43292	3292	-4379.44	-438.643	-13.7629	-25.0727	348.3651	9730.802
43292_3293	43292	3293	4379.444	449.0863	13.76288	25.07269	-313.816	-10953.5
43293_3293	43293	3293	158.0132	1180.401	-12.2128	-77.8943	94.14169	45127.86

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43293_3294	43293	3294	-153.049	-1139.99	12.21281	77.89425	9.426375	-35540
43294_3294	43294	3294	112.0862	1144.74	-12.2653	64.30988	-24.4952	35540.03
43294_3295	43294	3295	-108.179	-1099.64	12.26531	-64.3099	144.9249	-24302.2
43295_3295	43295	3295	73.50131	1010.118	5.814375	-39.6428	-136.711	24303.76
43295_3296	43295	3296	-70.6007	-961.612	-5.81438	39.64275	73.34119	-13476.7
43296_3296	43296	3296	47.24213	963.0429	5.763188	14.20519	-76.1289	13476.76
43296_3297	43296	3297	-45.9624	-926.96	-5.76319	-14.2052	28.43794	-5526.91
43297_3297	43297	3297	29.62575	927.6264	5.725125	30.52613	-28.4655	5525.483
43297_3298	43297	3298	-29.3344	-911.309	-5.72513	-30.5261	3.7485	-1395.8
43298_3298	43298	3298	24.04106	814.1858	-1.72594	5.277563	64.09594	4730.029
43298_3299	43298	3299	-23.919	-783.269	1.725938	-5.27756	-49.8816	2374.49
43299_3299	43299	3299	20.82413	783.3564	-1.77056	0.34125	49.90256	-2374.5
43299_3300	43299	3300	-20.8241	-755.403	1.770563	-0.34125	-36.7067	7931.726
43300_3300	43300	3300	20.82019	755.4028	-1.81125	-15.2066	36.70669	-7931.71
43300_3301	43300	3301	-20.8202	-724.524	1.81125	15.20663	-23.8324	13190.38
43301_3301	43301	3301	20.82019	613.9836	-0.12075	39.44456	23.83238	-13190.9
43301_3302	43301	3302	-20.8202	-561.486	0.12075	-39.4446	-22.3703	20291.87
43302_3302	43302	3302	20.82019	561.4862	-0.20081	-37.8591	22.37025	-20291.9
43302_3303	43302	3303	-20.8202	-508.498	0.200813	37.85906	-19.9277	26816.06
43303_3303	43303	3303	20.83069	407.9972	1.531688	47.54006	19.92769	-26817.2
43303_3304	43303	3304	-20.8307	-352.242	-1.53169	-47.5401	-39.5771	31694.87
43304_3304	43304	3304	20.83594	352.2422	1.468688	-48.2908	39.57713	-31694.9
43304_3305	43304	3305	-20.8359	-302.517	-1.46869	48.29081	-56.3798	35441.38
43305_3305	43305	3305	20.82806	208.761	-0.59325	67.60819	56.37975	-35442.8
43305_3306	43305	3306	-20.8281	-151.26	0.59325	-67.6082	-48.5376	37824.92
43306_3306	43306	3306	20.82544	151.2604	-0.66938	-72.7584	48.53756	-37824.9
43306_3307	43306	3307	-20.8254	-103.278	0.669375	72.75844	-41.1403	39230.33
43307_3307	43307	3307	20.83463	14.27344	0.930563	67.66725	41.14031	-39232.1
43307_3308	43307	3308	-20.8346	40.33575	-0.93056	-67.6673	-52.8413	39068.34
43308_3308	43308	3308	20.83725	-40.3358	0.861	-63.2888	52.84125	-39068.3
43308_3309	43308	3309	-20.8373	91.18331	-0.861	63.28875	-62.9199	38298.8
43309_3309	43309	3309	20.81494	-180.79	-2.17481	58.85775	62.91994	-38299.9
43309_3310	43309	3310	-20.8149	232.3558	2.174813	-58.8578	-37.1044	35848.38
43310_3310	43310	3310	20.80838	-232.356	-2.2365	-46.1226	37.10438	-35848.4
43310_3311	43310	3311	-20.8084	286.2917	2.2365	46.12256	-9.345	32629.33
43311_3311	43311	3311	20.83069	-369.491	2.8875	48.18188	9.345	-32630.5
43311_3312	43311	3312	-20.8307	422.1026	-2.8875	-48.1819	-44.3113	27838.1
43312_3312	43312	3312	20.83988	-422.103	2.821875	-39.228	44.31131	-27838.1
43312_3313	43312	3313	-20.8399	474.9373	-2.82188	39.228	-78.6319	22384.23
43313_3313	43313	3313	20.80706	-586.579	-3.213	31.3215	78.63188	-22385
43313_3314	43313	3314	-20.8071	641.8099	3.213	-31.3215	-37.7908	14577.84
43314_3314	43314	3314	20.79394	-641.81	-3.29044	-23.1131	37.79081	-14577.9
43314_3315	43314	3315	-20.7939	696.7826	3.290438	23.11313	3.841688	6110.201
43315_3315	43315	3315	20.79788	-742.42	0.469875	-0.56306	-3.84169	-6111.04
43315_3316	43315	3316	-20.7979	777.9765	-0.46988	0.563063	0	-109.834

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1	2	3	4	5	6	7	8	9
3000_3000	3000	3000	3.22875	170.6465	0.7308	-0.68198	0	9.713025
3000_3001	3000	3001	196.6923	-156.323	-0.7308	0.681975	-10.8959	1505.453
3001_3001	3001	3001	-196.688	156.3235	0.729225	-1.07888	10.89585	-1505.45
3001_3002	3001	3002	325.6722	-146.341	-0.72923	1.078875	-18.4842	2482.995
3002_3002	3002	3002	-325.732	119.7725	-0.77963	-0.26775	18.4842	-2483.03
3002_3003	3002	3003	439.3163	-108.097	0.779625	0.26775	-9.009	3343.865
3003_3003	3003	3003	-439.321	108.097	-0.77963	-1.56398	9.009	-3343.86
3003_3004	3003	3004	541.3228	-96.4136	0.779625	1.563975	0.48195	4116.91
3004_3004	3004	3004	-541.302	75.82365	0.1134	-0.29925	-0.48195	-4116.99
3004_3005	3004	3005	611.0984	-64.1435	-0.1134	0.29925	-0.90563	4645.967
3005_3005	3005	3005	-611.098	64.14345	0.1134	-1.25213	0.905625	-4645.96
3005_3006	3005	3006	669.2821	-52.4538	-0.1134	1.252125	-2.29005	5086.927
3006_3006	3006	3006	-669.296	33.18368	0.017325	0.581175	2.29005	-5087.01
3006_3007	3006	3007	696.5611	-21.5051	-0.01733	-0.58118	-2.50425	5293.647
3007_3007	3007	3007	-696.561	21.50505	0.017325	-1.46633	2.50425	-5293.64
3007_3008	3007	3008	712.1867	-9.81855	-0.01733	1.466325	-2.70743	5412.07
3008_3008	3008	3008	-712.207	-9.14603	0.067725	0.344925	2.707425	-5412.25
3008_3009	3008	3009	697.2572	20.82938	-0.06773	-0.34493	-3.53745	5298.936
3009_3009	3009	3009	-697.256	-20.8294	0.067725	-0.62055	3.53745	-5298.93
3009_3010	3009	3010	670.6539	32.51273	-0.06773	0.62055	-4.36118	5097.321
3010_3010	3010	3010	-670.67	-51.523	0.00315	1.056825	4.361175	-5097.42
3010_3011	3010	3011	613.4578	63.20475	-0.00315	-1.05683	-4.39898	4663.833
3011_3011	3011	3011	-613.459	-63.2048	0.001575	-0.6426	4.398975	-4663.83
3011_3012	3011	3012	544.6114	74.88338	-0.00158	0.6426	-4.42733	4142.061
3012_3012	3012	3012	-544.63	-94.2653	-0.14333	0.741825	4.427325	-4142.15
3012_3013	3012	3013	444.7454	105.9503	0.143325	-0.74183	-2.67435	3385.152
3013_3013	3013	3013	-444.747	-105.95	-0.1449	0.124425	2.67435	-3385.15
3013_3014	3013	3014	333.2133	117.6368	0.1449	-0.12443	-0.91823	2539.867
3014_3014	3014	3014	-333.193	-137.978	0.581175	0.7812	0.918225	-2539.92
3014_3015	3014	3015	136.3982	153.7783	-0.58118	-0.7812	-10.4706	1048.463
3015_3015	3015	3015	-147.412	-153.099	0.3969	0.0378	7.155225	-1072.18
3015_3016	3015	3016	30.3912	160.965	-0.3969	-0.02993	-10.4218	246.4812
3016_3016	3016	3016	-27.1184	-184.955	0.06615	0.149625	10.43438	-246.481
3016_3017	3016	3017	-154.728	196.0686	-0.06615	-0.14333	-11.2172	-1275.78
3017_3017	3017	3017	157.9961	-195.346	0.06615	0.133875	11.24235	1281.931
3017_3018	3017	3018	-312.252	208.6371	-0.06615	-0.12443	-12.1212	-3120.77
3018_3018	3018	3018	318.6446	-233.647	-0.41895	-0.41108	12.09443	3120.758
3018_3019	3018	3019	-424.086	246.9285	0.41895	0.338625	-6.8481	-5276.72
3019_3019	3019	3019	429.4379	-245.587	-0.41895	0.62055	6.993	5276.712
3019_3020	3019	3020	-481.024	259.4561	0.41895	-0.70088	-1.72778	-7691.58
3020_3020	3020	3020	-412.072	92.00678	0.38745	-0.13388	-9.4626	1629.584
3020_3021	3020	3021	486.3742	-83.1002	-0.38745	0.133875	5.781825	-1063.61
3021_3021	3021	3021	-453.123	82.81508	0.45675	0.0189	-4.5486	901.582
3021_3022	3021	3022	510.4953	-75.5669	-0.45675	-0.0189	1.0017	-517.148
3022_3022	3022	3022	-510.495	75.56693	0.45675	0.0189	-1.0017	517.1481
3022_3023	3022	3023	562.6152	-68.3188	-0.45675	-0.0189	-2.5452	-167.901
3023_3023	3023	3023	-562.636	44.31105	-0.19215	-0.02678	2.5452	167.9155
3023_3024	3023	3024	592.9749	-36.8298	0.19215	0.026775	-1.00958	35.3808
3024_3024	3024	3024	-592.975	36.8298	-0.19215	-0.02678	1.009575	-35.3808
3024_3025	3024	3025	617.7197	-29.3486	0.19215	0.026775	0.52605	201.1889
3025_3025	3025	3025	-617.721	29.34855	-0.10238	-0.04725	-0.52605	-201.187
3025_3026	3025	3026	636.8497	-21.8783	0.102375	0.04725	1.3482	329.3577
3026_3026	3026	3026	-636.858	-1.0962	-0.2331	0.007875	-1.3482	-329.384
3026_3027	3026	3027	634.6699	6.70635	0.2331	-0.00788	2.74995	314.7244
3027_3027	3027	3027	-634.671	-6.70635	-0.1008	-0.04095	-2.74995	-314.724
3027_3028	3027	3028	629.3385	12.3165	0.1008	0.04095	3.3579	278.9892
3028_3028	3028	3028	-629.339	-12.3165	-0.1008	-0.04095	-3.3579	-278.989

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3028_3029	3028	3029	620.8603	17.92508	0.1008	0.04095	3.964275	222.1774
3029_3029	3029	3029	-620.86	-17.9251	0.0315	-0.07718	-3.96428	-222.176
3029_3030	3029	3030	609.2384	23.53365	-0.0315	0.077175	3.778425	144.3031
3030_3030	3030	3030	-609.249	-46.4546	-0.09765	-0.0567	-3.77843	-144.325
3030_3031	3030	3031	571.6778	53.94218	0.09765	0.0567	4.562775	-107.428
3031_3031	3031	3031	-571.678	-53.9422	-0.00788	-0.04568	-4.56278	107.4292
3031_3032	3031	3032	528.5653	61.42028	0.007875	0.045675	4.632075	-396.314
3032_3032	3032	3032	-528.565	-61.4203	0.09135	0.001575	-4.63208	396.3141
3032_3033	3032	3033	479.8694	68.8968	-0.09135	-0.00158	3.906	-722.61
3033_3033	3033	3033	-479.896	-93.744	-0.31028	-0.22208	-3.906	722.6352
3033_3034	3033	3034	409.4118	100.9859	0.310275	0.222075	6.30945	-1194.93
3034_3034	3034	3034	-409.415	-100.986	-0.09608	0.083475	-6.30945	1194.929
3034_3035	3034	3035	333.6071	108.2356	0.096075	-0.08348	7.0497	-1702.89
3035_3035	3035	3035	-374.373	-108.65	-0.18585	-0.0441	-9.2484	1901.811
3035_3036	3035	3036	278.7876	117.569	0.18585	0.0441	11.00925	-2620.26
3036_3036	3036	3036	563.1523	223.2437	0.22995	-0.68355	-3.4839	8961.738
3036_3037	3036	3037	-555.019	-209.061	-0.22995	0.63945	0.5985	-6891.23
3037_3037	3037	3037	550.3838	210.8185	0.228375	0.2457	-0.70718	6891.23
3037_3038	3037	3038	-501.556	-197.132	-0.22838	-0.28508	-2.1546	-4943.97
3038_3038	3038	3038	495.9203	173.7792	-0.04095	-0.45675	2.216025	4944.182
3038_3039	3038	3039	-410.9	-160.113	0.04095	0.46305	-1.67108	-3357.18
3039_3039	3039	3039	410.1048	161.9998	-0.0441	0.070875	1.62855	3341.363
3039_3040	3039	3040	-286.222	-150.835	0.0441	-0.06773	-1.11825	-2104.7
3040_3040	3040	3040	283.4874	126.7497	-0.01733	-0.34178	1.1277	2104.819
3040_3041	3040	3041	-198.853	-119.09	0.017325	0.341775	-0.9828	-1437.74
3041_3041	3041	3041	216.4003	118.7456	-0.00945	-0.1386	0.4599	1340.102
3041_3042	3041	3042	-39.0065	-104.059	0.00945	0.1386	-0.315	-178.31
3042_3042	3042	3042	39.00173	83.96798	-0.04725	-0.11813	0.315	178.3136
3042_3043	3042	3043	54.30285	-73.0028	0.04725	0.118125	0.250425	386.6468
3043_3043	3043	3043	-54.3029	73.00283	-0.04725	-0.1449	-0.25043	-386.645
3043_3044	3043	3044	134.568	-62.0393	0.04725	0.1449	0.823725	872.6492
3044_3044	3044	3044	-134.568	43.43535	0.00945	0.0315	-0.82373	-872.679
3044_3045	3044	3045	179.6807	-32.4718	-0.00945	-0.0315	0.707175	1145.844
3045_3045	3045	3045	-179.681	32.47178	0.007875	-0.14018	-0.70718	-1145.84
3045_3046	3045	3046	211.7808	-21.5019	-0.00788	0.140175	0.609525	1340.21
3046_3046	3046	3046	-211.787	3.2319	0.004725	0.045675	-0.60953	-1340.25
3046_3047	3046	3047	209.1159	7.728525	-0.00473	-0.04568	0.5607	1324.069
3047_3047	3047	3047	-209.116	-7.72853	0.004725	0.0378	-0.5607	-1324.07
3047_3048	3047	3048	193.4006	18.69683	-0.00473	-0.0378	0.511875	1228.919
3048_3048	3048	3048	-193.412	-37.2456	-0.02048	0.127575	-0.51188	-1228.96
3048_3049	3048	3049	142.6037	48.21233	0.020475	-0.12758	0.767025	921.3199
3049_3049	3049	3049	-142.604	-48.2123	-0.02048	0.1323	-0.76703	-921.318
3049_3050	3049	3050	78.813	59.17118	0.020475	-0.1323	1.0206	535.0685
3050_3050	3050	3050	-78.7941	-78.7421	0.143325	0.1638	-1.0206	-535.078
3050_3051	3050	3051	-58.1427	93.41483	-0.14333	-0.1638	-1.2663	-338.188
3051_3051	3051	3051	56.9142	-93.503	0.16695	0.2394	1.48365	349.6618
3051_3052	3051	3052	-130.219	101.0882	-0.16695	-0.23468	-2.85863	-855.55
3052_3052	3052	3052	132.4717	-124.699	0.01575	0.1449	2.861775	855.547
3052_3053	3052	3053	-252.069	135.5382	-0.01575	-0.14333	-3.0492	-1844.51
3053_3053	3053	3053	235.3412	-135.4	0.020475	0.354375	4.191075	1950.021
3053_3054	3053	3054	-322.477	148.154	-0.02048	-0.35123	-4.4667	-3287.27
3054_3054	3054	3054	327.4724	-171.228	-0.23153	-0.40163	4.430475	3287.256
3054_3055	3054	3055	-388.03	183.8608	0.231525	0.3591	-1.5246	-4905.12
3055_3055	3055	3055	392.038	-182.335	-0.23468	1.000125	1.64115	4905.114
3055_3056	3055	3056	-417.372	195.426	0.234675	-1.04738	1.299375	-6738.44
3056_3056	3056	3056	-295.513	105.1612	0.360675	-0.07245	-10.6139	1805.25
3056_3057	3056	3057	378.0095	-96.5696	-0.36068	0.07245	7.19145	-1160.49
3057_3057	3057	3057	-374.579	96.55538	0.40005	0.17325	-6.47955	1136.583

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3057_3058	3057	3058	436.7396	-89.5514	-0.40005	-0.17325	3.375225	-664.291
3058_3058	3058	3058	-436.74	89.55135	0.40005	0.17325	-3.37523	664.2909
3058_3059	3058	3059	494.2224	-82.5489	-0.40005	-0.17325	0.2709	-227.548
3059_3059	3059	3059	-494.246	59.10503	-0.12128	0.080325	-0.2709	227.5497
3059_3060	3059	3060	532.5548	-51.8648	0.121275	-0.08033	1.236375	63.5166
3060_3060	3060	3060	-532.556	51.86475	-0.05198	0.06615	-1.23638	-63.5166
3060_3061	3060	3061	565.8251	-44.6355	0.051975	-0.06615	1.649025	316.2962
3061_3061	3061	3061	-565.825	44.6355	-0.05198	0.06615	-1.64903	-316.296
3061_3062	3061	3062	594.1105	-37.4063	0.051975	-0.06615	2.061675	531.2018
3062_3062	3062	3062	-594.115	15.06173	0.014175	0.102375	-2.06168	-531.224
3062_3063	3062	3063	600.5066	-9.63585	-0.01418	-0.10238	1.97505	579.7796
3063_3063	3063	3063	-600.507	9.63585	0.014175	0.102375	-1.97505	-579.78
3063_3064	3063	3064	604.0881	-4.20998	-0.01418	-0.10238	1.88685	607.0003
3064_3064	3064	3064	-604.088	4.209975	0.014175	0.102375	-1.88685	-607
3064_3065	3064	3065	604.863	1.2159	-0.01418	-0.10238	1.800225	612.8861
3065_3065	3065	3065	-604.863	-1.2159	0.1071	-0.07718	-1.80023	-612.886
3065_3066	3065	3066	602.8344	6.632325	-0.1071	0.077175	1.1592	597.4826
3066_3066	3066	3066	-602.845	-28.8713	0.06615	0.083475	-1.1592	-597.519
3066_3067	3066	3067	580.4206	36.10688	-0.06615	-0.08348	0.6363	427.1416
3067_3067	3067	3067	-580.421	-36.1069	0.06615	0.083475	-0.6363	-427.142
3067_3068	3067	3068	553.0014	43.344	-0.06615	-0.08348	0.111825	218.8132
3068_3068	3068	3068	-552.998	-43.344	0.2079	-0.01575	-0.11183	-218.813
3068_3069	3068	3069	520.6336	50.5701	-0.2079	0.01575	-1.5561	-27.0963
3069_3069	3069	3069	-520.69	-73.6643	-0.25515	-0.1197	1.5561	27.08685
3069_3070	3069	3070	469.098	80.67465	0.25515	0.1197	0.4221	-419.07
3070_3070	3070	3070	-469.101	-80.6747	-0.1827	-0.02363	-0.4221	419.0697
3070_3071	3070	3071	412.9036	87.67395	0.1827	0.023625	1.84275	-846.052
3071_3071	3071	3071	-419.356	-87.7433	-0.12443	0.168525	-2.16248	885.4839
3071_3072	3071	3072	344.7297	96.34433	0.124425	-0.16853	3.3453	-1475.07
3072_3072	3072	3072	395.944	205.18	0.1764	-0.39848	1.904175	6371.215
3072_3073	3072	3073	-359.286	-192.185	-0.1764	0.363825	-4.1139	-4460.23
3073_3073	3073	3073	355.0617	193.8038	0.174825	0.1638	4.058775	4460.231
3073_3074	3073	3074	-279.986	-181.275	-0.17483	-0.19373	-6.2433	-2735.3
3074_3074	3074	3074	274.7084	157.7504	-0.07088	-0.31973	6.257475	2735.412
3074_3075	3074	3075	-169.949	-145.075	0.070875	0.329175	-5.31878	-1344.63
3075_3075	3075	3075	179.9296	145.1567	-0.05355	-0.03308	3.872925	1273.899
3075_3076	3075	3076	-44.204	-134.913	0.05355	0.039375	-3.23663	-193.244
3076_3076	3076	3076	41.8131	112.8519	-0.05828	-0.12758	3.23505	193.257
3076_3077	3076	3077	42.00053	-105.664	0.058275	0.12915	-2.75783	375.1193
3077_3077	3077	3077	-38.8379	106.3472	-0.08663	-0.42368	3.954825	-383.826
3077_3078	3077	3078	164.8316	-93.5393	0.086625	0.423675	-2.68853	1297.198
3078_3078	3078	3078	-164.835	76.1985	-0.03938	-0.31028	2.688525	-1297.23
3078_3079	3078	3079	234.1915	-66.3091	0.039375	0.310275	-2.23808	1800.02
3079_3079	3079	3079	-234.191	66.30908	-0.03938	-0.31028	2.238075	-1800.02
3079_3080	3079	3080	293.9218	-56.4212	0.039375	0.310275	-1.78763	2233.032
3080_3080	3080	3080	-293.923	39.96405	-0.00315	-0.0063	1.787625	-2233.06
3080_3081	3080	3081	328.0331	-30.0668	0.00315	0.0063	-1.75928	2480.337
3081_3081	3081	3081	-328.033	30.06675	-0.00473	-0.38273	1.759275	-2480.34
3081_3082	3081	3082	352.485	-20.1789	0.004725	0.382725	-1.71045	2657.589
3082_3082	3082	3082	-352.491	2.886975	-0.01575	0.165375	1.71045	-2657.63
3082_3083	3082	3083	349.9524	7.73955	0.01575	-0.16538	-1.52145	2639.234
3083_3083	3083	3083	-349.952	-7.73955	-0.01733	-0.24255	1.52145	-2639.23
3083_3084	3083	3084	336.283	18.37553	0.017325	0.24255	-1.30883	2540.138
3084_3084	3084	3084	-336.292	-35.6958	-0.04253	0.319725	1.308825	-2540.19
3084_3085	3084	3085	296.7458	45.58208	0.042525	-0.31973	-0.8316	2253.504
3085_3085	3085	3085	-296.746	-45.5821	-0.0441	-0.05355	0.8316	-2253.5
3085_3086	3085	3086	247.5333	55.4778	0.0441	0.05355	-0.33075	1896.746
3086_3086	3086	3086	-247.541	-72.0106	-0.0252	0.36225	0.33075	-1896.8

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3086_3087	3086	3087	172.5948	81.90473	0.0252	-0.36225	-0.05355	1353.494
3087_3087	3087	3087	-172.595	-81.9047	-0.02678	0.155925	0.05355	-1353.5
3087_3088	3087	3088	88.09605	91.78943	0.026775	-0.15593	0.24255	740.9351
3088_3088	3088	3088	-88.085	-108.747	0.168525	0.3276	-0.24255	-740.951
3088_3089	3088	3089	-51.2096	121.064	-0.16853	-0.3276	-2.11838	-290.35
3089_3089	3089	3089	52.05375	-120.878	0.149625	0.326025	1.9089	307.6071
3089_3090	3089	3090	-136.981	128.153	-0.14963	-0.32288	-3.15	-1043.19
3090_3090	3090	3090	139.6915	-149.494	-0.01103	0.1071	3.15	1043.189
3090_3091	3090	3091	-268.005	159.9381	0.011025	-0.10868	-3.01928	-2242.49
3091_3091	3091	3091	267.8445	-158.681	-0.01575	0.348075	3.83985	2263.417
3091_3092	3091	3092	-366.285	170.9867	0.01575	-0.35123	-3.62565	-3860.88
3092_3092	3092	3092	371.7945	-193.442	-0.23153	-0.18585	3.5973	3860.863
3092_3093	3092	3093	-435.604	205.695	0.231525	0.1449	-0.70088	-5761.24
3093_3093	3093	3093	440.1448	-203.92	-0.2331	0.60795	0.779625	5761.238
3093_3094	3093	3094	-464.414	216.6239	0.2331	-0.65363	2.143575	-7695.83
3094_3094	3094	3094	-334.24	94.05585	0.36225	-0.30555	-11.7794	1966.257
3094_3095	3094	3095	406.046	-85.88	-0.36225	0.30555	8.3286	-1398.39
3095_3095	3095	3095	-408.903	86.14148	0.634725	0.212625	-9.58545	1412.452
3095_3096	3095	3096	460.3694	-79.4603	-0.63473	-0.21263	4.67775	-977.182
3096_3096	3096	3096	-460.369	79.46033	0.637875	0.2205	-4.67775	977.182
3096_3097	3096	3097	507.7422	-72.7697	-0.63788	-0.2205	-0.26618	-576.543
3097_3097	3097	3097	-507.763	50.44095	-0.10395	-0.063	0.266175	576.5524
3097_3098	3097	3098	537.9491	-43.5346	0.10395	0.063	0.56385	-321.256
3098_3098	3098	3098	-537.949	43.53458	0.02205	0.014175	-0.56385	321.2559
3098_3099	3098	3099	563.6689	-36.6377	-0.02205	-0.01418	0.3906	-103.737
3099_3099	3099	3099	-563.669	36.63765	0.0252	0.014175	-0.3906	103.7374
3099_3100	3099	3100	584.9881	-29.7313	-0.0252	-0.01418	0.19215	76.5576
3100_3100	3100	3100	-584.977	8.541225	0.3906	-0.10238	-0.19215	-76.556
3100_3101	3100	3101	587.8436	-3.36105	-0.3906	0.102375	-2.14988	100.8047
3101_3101	3101	3101	-587.844	3.36105	0.3906	-0.10238	2.149875	-100.805
3101_3102	3101	3102	588.2153	1.81755	-0.3906	0.102375	-4.49348	103.9484
3102_3102	3102	3102	-588.214	-1.81755	-0.4725	0.0693	4.493475	-103.948
3102_3103	3102	3103	586.0953	6.98985	0.4725	-0.0693	-1.6632	86.02965
3103_3103	3103	3103	-586.098	-6.98985	-0.29453	0.04095	1.6632	-86.0312
3103_3104	3103	3104	581.4821	12.17003	0.294525	-0.04095	0.11025	46.98855
3104_3104	3104	3104	-581.481	-33.3412	-0.04883	-0.05513	-0.11025	-46.987
3104_3105	3104	3105	557.8398	40.24755	0.048825	0.055125	0.504	-152.95
3105_3105	3105	3105	-557.84	-40.2476	0.0756	-0.01733	-0.504	152.9498
3105_3106	3105	3106	529.8001	47.14605	-0.0756	0.017325	-0.1008	-390.087
3106_3106	3106	3106	-529.8	-47.1461	0.07875	-0.01575	0.1008	390.0866
3106_3107	3106	3107	497.2905	54.05243	-0.07875	0.01575	-0.73553	-665.025
3107_3107	3107	3107	-497.303	-76.397	-0.49298	-0.1512	0.735525	665.0375
3107_3108	3107	3108	447.6733	83.08755	0.492975	0.1512	3.0807	-1084.77
3108_3108	3108	3108	-447.673	-83.0876	-0.49613	-0.15908	-3.0807	1084.77
3108_3109	3108	3109	393.95	89.77028	0.496125	0.159075	6.922125	-1539.11
3109_3109	3109	3109	-392.922	-89.5325	-0.34808	0.12285	-6.22283	1533.979
3109_3110	3109	3110	318.643	97.71143	0.348075	-0.12285	9.53505	-2147.87
3110_3110	3110	3110	474.3869	211.8218	0.196875	-1.11353	0.209475	7993.982
3110_3111	3110	3111	-456.059	-199.074	-0.19688	1.075725	-2.67435	-5956.64
3111_3111	3111	3111	451.6092	200.9306	0.19215	0.6237	2.502675	5956.646
3111_3112	3111	3112	-395.623	-188.616	-0.19215	-0.65678	-4.90928	-4103.69
3112_3112	3112	3112	390.1952	166.6319	-0.05985	-0.45833	4.978575	4103.788
3112_3113	3112	3113	-300.957	-154.26	0.05985	0.4662	-4.18635	-2598.35
3113_3113	3113	3113	301.7669	155.6699	-0.0504	-0.01103	3.2886	2574.107
3113_3114	3113	3114	-181.208	-145.462	0.0504	0.01575	-2.7027	-1328.86
3114_3114	3114	3114	178.5546	124.2486	-0.10553	-0.32445	2.7027	1328.899
3114_3115	3114	3115	-97.6847	-117.161	0.105525	0.3276	-1.8333	-695.541
3115_3115	3115	3115	103.5153	116.7831	-0.0882	-0.22995	1.52145	625.2197

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3115_3116	3115	3116	46.53023	-104.426	0.0882	0.22995	-0.25358	397.5347
3116_3116	3116	3116	-46.5287	87.72435	-0.0126	-0.0819	0.253575	-397.521
3116_3117	3116	3117	133.738	-78.1452	0.0126	0.0819	-0.1197	955.9557
3117_3117	3117	3117	-133.738	78.1452	-0.01418	-0.2961	0.1197	-955.954
3117_3118	3117	3118	210.8075	-68.5755	0.014175	0.2961	0.04725	1449.465
3118_3118	3118	3118	-210.812	52.8255	-0.00158	0.108675	-0.04725	-1449.49
3118_3119	3118	3119	261.2831	-43.2558	0.001575	-0.10868	0.063	1772.667
3119_3119	3119	3119	-261.281	43.2558	-0.00473	-0.29295	-0.063	-1772.67
3119_3120	3119	3120	301.6976	-33.6861	0.004725	0.29295	0.114975	2031.46
3120_3120	3120	3120	-301.694	17.21318	-0.00473	0.12915	-0.11498	-2031.44
3120_3121	3120	3121	315.3229	-6.92843	0.004725	-0.12915	0.165375	2118.712
3121_3121	3121	3121	-315.323	6.928425	-0.0063	-0.0945	-0.16538	-2118.71
3121_3122	3121	3122	317.3405	3.356325	0.0063	0.0945	0.234675	2131.624
3122_3122	3122	3122	-317.34	-19.9222	-0.01418	0.237825	-0.23468	-2131.62
3122_3123	3122	3123	291.386	29.49188	0.014175	-0.23783	0.3906	1965.43
3123_3123	3123	3123	-291.386	-29.4919	-0.01575	0.0126	-0.3906	-1965.43
3123_3124	3123	3124	255.3437	39.06945	0.01575	-0.0126	0.56385	1734.634
3124_3124	3124	3124	-255.344	-55.1581	-0.00315	0.360675	-0.56385	-1734.64
3124_3125	3124	3125	192.3752	64.72778	0.00315	-0.36068	0.596925	1331.423
3125_3125	3125	3125	-192.375	-64.7278	-0.0063	0.058275	-0.59693	-1331.43
3125_3126	3125	3126	119.3551	74.29748	0.0063	-0.05828	0.66465	863.8513
3126_3126	3126	3126	-119.35	-90.7436	0.114975	0.253575	-0.66465	-863.842
3126_3127	3126	3127	-5.47155	102.5105	-0.11498	-0.25358	-0.91665	64.55768
3127_3127	3127	3127	6.20235	-102.016	0.1008	0.14805	0.82215	-62.2692
3127_3128	3127	3128	-88.8473	109.0105	-0.1008	-0.14648	-1.65375	-473.138
3128_3128	3128	3128	91.14998	-130.067	-0.02205	-0.00473	1.652175	473.119
3128_3129	3128	3129	-222.536	140.0522	0.02205	0.001575	-1.40175	-1576.12
3129_3129	3129	3129	208.267	-139.907	-0.02993	0.477225	1.7514	1677.075
3129_3130	3129	3130	-306.163	152.4269	0.029925	-0.48195	-1.3482	-3037.05
3130_3130	3130	3130	311.324	-176.713	-0.08348	-0.02048	1.32615	3037.031
3130_3131	3130	3131	-380.75	189.1292	0.083475	0.0063	-0.27248	-4722.84
3131_3131	3131	3131	386.0924	-186.726	-0.08505	0.518175	0.322875	4722.839
3131_3132	3131	3132	-410.443	198.9209	0.08505	-0.5355	0.678825	-6506.23
3132_3132	3132	3132	-308.807	96.24825	0.911925	0.527625	-12.978	1643.951
3132_3133	3132	3133	391.5608	-87.1274	-0.91193	-0.52763	3.579975	-982.702
3133_3133	3133	3133	-364.956	86.77935	0.756	0.063	-3.24608	852.9444
3133_3134	3133	3134	424.6436	-79.9439	-0.756	-0.063	-2.6082	-445.64
3134_3134	3134	3134	-424.692	79.94385	0.11025	-0.5418	2.6082	445.6163
3134_3135	3134	3135	479.693	-73.0832	-0.11025	0.5418	-3.4713	-70.2938
3135_3135	3135	3135	-479.674	49.59833	-0.03465	-0.02205	3.4713	70.37888
3135_3136	3135	3136	513.7288	-42.5408	0.03465	0.02205	-3.19095	162.0077
3136_3136	3136	3136	-513.729	42.54075	-0.03465	-0.02205	3.19095	-162.008
3136_3137	3136	3137	542.567	-35.4848	0.03465	0.02205	-2.9106	358.7992
3137_3137	3137	3137	-542.567	35.48475	0.033075	-0.07403	2.9106	-358.798
3137_3138	3137	3138	566.1621	-28.4382	-0.03308	0.074025	-3.17835	519.8146
3138_3138	3138	3138	-566.159	7.91595	-0.08663	0.0126	3.17835	-519.835
3138_3139	3138	3139	569.0806	-2.62395	0.086625	-0.0126	-2.65545	539.7714
3139_3139	3139	3139	-569.081	2.62395	-0.08663	0.0126	2.65545	-539.771
3139_3140	3139	3140	569.068	2.66805	0.086625	-0.0126	-2.13413	539.6864
3140_3140	3140	3140	-569.068	-2.66805	0.0063	-0.09293	2.134125	-539.686
3140_3141	3140	3141	566.1227	7.96005	-0.0063	0.092925	-2.16878	519.5799
3141_3141	3141	3141	-566.121	-7.96005	-0.08663	0.00945	2.168775	-519.58
3141_3142	3141	3142	560.2417	13.25363	0.086625	-0.00945	-1.64745	479.4521
3142_3142	3142	3142	-560.246	-34.3728	-0.03308	0.020475	1.64745	-479.468
3142_3143	3142	3143	532.2303	41.4288	0.033075	-0.02048	-1.38128	288.2896
3143_3143	3143	3143	-532.23	-41.4288	0.036225	-0.02205	1.381275	-288.29
3143_3144	3143	3144	498.9994	48.4848	-0.03623	0.02205	-1.67265	61.52265
3144_3144	3144	3144	-498.999	-48.4848	-0.03308	-0.01418	1.67265	-61.5227

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3144_3145	3144	3145	460.5521	55.5408	0.033075	0.014175	-1.40805	-200.842
3145_3145	3145	3145	-460.5	-78.4397	-0.38903	0.0378	1.40805	200.8472
3145_3146	3145	3146	401.8817	85.27523	0.389025	-0.0378	1.608075	-600.851
3146_3146	3146	3146	-401.877	-85.2752	-0.46148	-0.05355	-1.60808	600.8515
3146_3147	3146	3147	338.3636	92.1123	0.461475	0.05355	5.18175	-1034.27
3147_3147	3147	3147	-362.047	-92.4068	-0.41738	-0.00945	-5.3298	1149.747
3147_3148	3147	3148	280.717	100.8126	0.417375	0.00945	9.2988	-1742.33
3148_3148	3148	3148	437.0294	194.5188	0.1197	-0.22838	-0.8946	6604.392
3148_3149	3148	3149	-411.82	-181.607	-0.1197	0.20475	-0.60795	-4805.81
3149_3149	3149	3149	407.8274	183.4765	0.1197	-0.20633	0.603225	4805.813
3149_3150	3149	3150	-345.85	-171.021	-0.1197	0.18585	-2.10105	-3186.13
3150_3150	3150	3150	340.8788	148.039	-0.02363	-0.1512	2.0916	3186.131
3150_3151	3150	3151	-251.025	-135.493	0.023625	0.15435	-1.7703	-1868.15
3151_3151	3151	3151	268.736	135.891	-0.0189	-0.14963	1.434825	1755.818
3151_3152	3151	3152	-144.495	-125.11	0.0189	0.1512	-1.21118	-787.319
3152_3152	3152	3152	142.2713	102.5672	-0.06458	-0.13073	1.20645	787.322
3152_3153	3152	3153	-65.2554	-95.0292	0.064575	0.1323	-0.66938	-286.828
3153_3153	3153	3153	66.52485	95.00558	-0.05355	-0.09923	0.5481	276.5921
3153_3154	3153	3154	59.59958	-82.4812	0.05355	0.099225	0.181125	438.3997
3154_3154	3154	3154	-59.6059	64.62383	-0.0126	-0.04095	-0.18113	-438.39
3154_3155	3154	3155	127.4301	-54.5974	0.0126	0.04095	0.31185	822.8871
3155_3155	3155	3155	-127.43	54.59738	-0.0126	-0.09135	-0.31185	-822.886
3155_3156	3155	3156	183.8466	-44.5709	0.0126	0.09135	0.45675	1142.707
3156_3156	3156	3156	-183.848	28.17833	0.001575	-0.0126	-0.45675	-1142.7
3156_3157	3156	3157	208.3001	-19.0544	-0.00158	0.0126	0.448875	1281.316
3157_3157	3157	3157	-208.3	19.05435	0.001575	-0.0126	-0.44888	-1281.32
3157_3158	3157	3158	223.3051	-9.93038	-0.00158	0.0126	0.441	1366.377
3158_3158	3158	3158	-223.299	-4.72185	0.001575	0.0441	-0.441	-1366.35
3158_3159	3158	3159	213.6866	13.84583	-0.00158	-0.0441	0.4284	1311.852
3159_3159	3159	3159	-213.687	-13.8458	0.001575	0.042525	-0.4284	-1311.85
3159_3160	3159	3160	194.6023	22.97925	-0.00158	-0.04253	0.417375	1203.665
3160_3160	3160	3160	-194.604	-39.4853	0.011025	0.11655	-0.41738	-1203.67
3160_3161	3160	3161	144.0243	49.50383	-0.01103	-0.11655	0.303975	916.9256
3161_3161	3161	3161	-144.024	-49.5038	0.00945	0.05985	-0.30398	-916.927
3161_3162	3161	3162	81.9945	59.53028	-0.00945	-0.05985	0.206325	565.2896
3162_3162	3162	3162	-82.0055	-77.4916	0.0693	0.11025	-0.20633	-565.282
3162_3163	3162	3163	-37.1196	90.02385	-0.0693	-0.11025	-0.75285	-110.031
3163_3163	3163	3163	37.4031	-89.9719	0.0756	0.133875	0.8001	112.403
3163_3164	3163	3164	-112.263	97.4799	-0.0756	-0.1323	-1.42223	-580.277
3164_3164	3164	3164	114.4159	-120.478	-0.01418	0.1512	1.42695	580.2505
3164_3165	3164	3165	-238.759	131.1786	0.014175	-0.15278	-1.26	-1499.94
3165_3165	3165	3165	231.7187	-130.271	-0.01418	0.08505	1.409625	1553.719
3165_3166	3165	3166	-328.627	143.6542	0.014175	-0.08663	-1.21118	-2783.28
3166_3166	3166	3166	333.5945	-168.903	-0.07718	0.0819	1.214325	2783.286
3166_3167	3166	3167	-404.846	182.1755	0.077175	-0.09608	-0.25515	-4336.16
3167_3167	3167	3167	408.7172	-180.315	-0.07718	0.09135	0.256725	4336.158
3167_3168	3167	3168	-441.106	194.1251	0.077175	-0.1071	0.7056	-6078.27
3168_3168	3168	3168	-267.107	106.8496	0.25515	-0.08033	-6.1425	1546.853
3168_3169	3168	3169	358.8653	-97.7933	-0.25515	0.080325	3.72015	-941.699
3169_3169	3169	3169	-334.292	97.50038	0.252	-0.00315	-2.95785	821.9327
3169_3170	3169	3170	405.4995	-90.1341	-0.252	0.00315	1.006425	-379.591
3170_3170	3170	3170	-405.5	90.1341	0.252	-0.00315	-1.00643	379.5908
3170_3171	3170	3171	471.1156	-82.7678	-0.252	0.00315	-0.945	28.0224
3171_3171	3171	3171	-471.059	58.5711	-0.00158	-0.02048	0.945	-27.9956
3171_3172	3171	3172	513.9194	-50.978	0.001575	0.020475	-0.93713	294.2573
3172_3172	3172	3172	-513.919	50.97803	0	-0.02205	0.937125	-294.257
3172_3173	3172	3173	550.883	-43.3739	0	0.02205	-0.93713	523.8686
3173_3173	3173	3173	-550.883	43.37393	0	-0.02205	0.937125	-523.869

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3173_3174	3173	3174	581.8869	-35.7714	0	0.02205	-0.93713	716.4754
3174_3174	3174	3174	-581.89	12.71025	0.048825	-0.0756	0.937125	-716.49
3174_3175	3174	3175	587.6829	-7.00718	-0.04883	0.0756	-1.2285	752.4767
3175_3175	3175	3175	-587.683	7.007175	-0.01103	0.058275	1.2285	-752.477
3175_3176	3175	3176	590.1242	-1.3041	0.011025	-0.05828	-1.1592	767.6487
3176_3176	3176	3176	-590.124	1.3041	0.048825	-0.07875	1.1592	-767.649
3176_3177	3176	3177	589.2154	4.3974	-0.04883	0.07875	-1.45058	762.0039
3177_3177	3177	3177	-589.217	-4.3974	-0.01103	0.0567	1.450575	-762.004
3177_3178	3177	3178	584.9566	10.10048	0.011025	-0.0567	-1.38128	735.5423
3178_3178	3178	3178	-584.953	-33.2609	-0.01733	0.017325	1.381275	-735.544
3178_3179	3178	3179	555.9152	40.86338	0.017325	-0.01733	-1.24583	555.1607
3179_3179	3179	3179	-555.915	-40.8634	-0.01733	0.017325	1.245825	-555.161
3179_3180	3179	3180	520.9202	48.46748	0.017325	-0.01733	-1.11038	337.7698
3180_3180	3180	3180	-520.92	-48.4675	0.02835	-0.02835	1.110375	-337.77
3180_3181	3180	3181	479.9687	56.07	-0.02835	0.02835	-1.3356	83.37893
3181_3181	3181	3181	-479.903	-80.2967	-0.27878	0.001575	1.3356	-83.3459
3181_3182	3181	3182	416.2473	87.65348	0.278775	-0.00158	0.82215	-312.091
3182_3182	3182	3182	-416.25	-87.6535	-0.23153	0.045675	-0.82215	312.091
3182_3183	3182	3183	346.9268	95.01975	0.231525	-0.04568	2.616075	-742.737
3183_3183	3183	3183	-365.26	-95.1883	-0.27248	-0.04095	-2.94683	832.0788
3183_3184	3183	3184	274.4453	104.2335	0.272475	0.04095	5.54085	-1444.51
3184_3184	3184	3184	446.3314	199.7415	0.08505	-0.13545	0.2016	6036.84
3184_3185	3184	3185	-406.816	-185.996	-0.08505	0.11655	-1.2726	-4272.43
3185_3185	3185	3185	402.8614	188.0503	0.08505	-0.16065	1.26945	4272.429
3185_3186	3185	3186	-321.695	-174.883	-0.08505	0.1449	-2.33573	-2669.19
3186_3186	3186	3186	316.6727	149.7778	-0.01103	-0.11025	2.326275	2669.196
3186_3187	3186	3187	-207.042	-136.507	0.011025	0.111825	-2.19083	-1407.8
3187_3187	3187	3187	211.9887	137.5133	-0.00788	-0.14648	1.954575	1361.241
3187_3188	3187	3188	-75.9418	-126.123	0.007875	0.14805	-1.8522	-337.087
3188_3188	3188	3188	73.73048	101.8112	-0.07875	-0.16853	1.84905	337.0906
3188_3189	3188	3189	6.588225	-93.7676	0.07875	0.1701	-1.19543	170.4071
3189_3189	3189	3189	-8.0388	94.2354	-0.07088	-0.14175	1.0836	-170.078
3189_3190	3189	3190	130.9282	-80.7408	0.070875	0.14175	-0.10238	898.999
3190_3190	3190	3190	-130.938	61.24388	-0.02363	-0.1134	0.102375	-898.999
3190_3191	3190	3191	193.7345	50.4394	0.023625	0.1134	0.149625	1271.472
3191_3191	3191	3191	-193.734	50.43938	-0.02363	-0.1134	-0.14963	-1271.47
3191_3192	3191	3192	244.3802	-39.6365	0.023625	0.1134	0.401625	1571.885
3192_3192	3192	3192	-244.377	21.546	-0.01575	-0.03465	-0.40163	-1571.86
3192_3193	3192	3193	261.4673	-11.6566	0.01575	0.03465	0.565425	1673.226
3193_3193	3193	3193	-261.467	11.65658	-0.01575	-0.03465	-0.56543	-1673.23
3193_3194	3193	3194	268.3769	-1.76558	0.01575	0.03465	0.729225	1714.205
3194_3194	3194	3194	-268.371	-14.5483	-0.02048	0.05355	-0.72923	-1714.18
3194_3195	3194	3195	248.3035	24.43928	0.020475	-0.05355	0.94185	1595.149
3195_3195	3195	3195	-248.303	-24.4393	-0.02048	0.05355	-0.94185	-1595.15
3195_3196	3195	3196	218.054	34.3287	0.020475	-0.05355	1.154475	1415.725
3196_3196	3196	3196	-218.068	-52.3719	0.0315	0.089775	-1.15448	-1415.7
3196_3197	3196	3197	153.164	63.16538	-0.0315	-0.08978	0.8001	1030.73
3197_3197	3197	3197	-153.164	-63.1654	0.033075	0.15435	-0.8001	-1030.73
3197_3198	3197	3198	76.05833	73.96988	-0.03308	-0.15435	0.429975	573.3693
3198_3198	3198	3198	-76.0678	-93.7661	0.0693	0.1512	-0.42998	-573.366
3198_3199	3198	3199	-65.2255	107.2701	-0.0693	-0.1512	-0.52605	-272.665
3199_3199	3199	3199	64.72463	-107.023	0.07245	0.2142	0.55755	260.7329
3199_3200	3199	3200	-153.159	115.0648	-0.07245	-0.21263	-1.16078	-820.169
3200_3200	3200	3200	155.6919	-139.832	-0.03938	0.126	1.16235	820.1609
3200_3201	3200	3201	-298.266	151.115	0.039375	-0.13073	-0.69773	-1893.82
3201_3201	3201	3201	281.6336	-150.255	-0.06143	0.240975	1.078875	2012.708
3201_3202	3201	3202	-388.168	164.4757	0.061425	-0.252	-0.26303	-3438.27
3202_3202	3202	3202	393.6807	-190.251	-0.13388	0.16695	0.263025	3438.267

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3202_3203	3202	3203	-469.974	204.3122	0.133875	-0.1953	1.40805	-5169.46
3203_3203	3203	3203	474.2876	-201.879	-0.13388	0.250425	-1.40333	5169.462
3203_3204	3203	3204	-508.843	216.5877	0.133875	-0.2835	3.079125	-7131.42
3204_3204	3204	3204	-278.134	115.931	0.433125	0.092925	-12.1779	1899.198
3204_3205	3204	3205	374.4799	-106.128	-0.43313	-0.09293	8.065575	-1222.67
3205_3205	3205	3205	-353.033	105.8621	0.322875	-0.15435	-6.95835	1073.09
3205_3206	3205	3206	427.5086	-97.8847	-0.32288	0.15435	4.4541	-581.362
3206_3206	3206	3206	-427.504	97.88468	0.389025	-0.07403	-4.4541	581.364
3206_3207	3206	3207	496.1455	-89.9089	-0.38903	0.074025	1.437975	-128.147
3207_3207	3207	3207	-496.067	63.5292	0.05985	0.0126	-1.43798	128.1971
3207_3208	3207	3208	540.9023	-55.2951	-0.05985	-0.0126	0.9576	167.8289
3208_3208	3208	3208	-540.902	55.2951	0.05985	0.0126	-0.9576	-167.829
3208_3209	3208	3209	579.4787	-47.072	-0.05985	-0.0126	0.483525	422.5347
3209_3209	3209	3209	-579.479	47.07203	0.124425	-0.0441	-0.48353	-422.535
3209_3210	3209	3210	611.8922	-38.8379	-0.12443	0.0441	-0.5103	636.5552
3210_3210	3210	3210	-611.884	12.81893	-0.02993	0.051975	0.5103	-636.59
3210_3211	3210	3211	617.3921	-6.64335	0.029925	-0.05198	-0.33075	672.955
3211_3211	3211	3211	-617.392	6.64335	-0.02993	0.051975	0.33075	-672.955
3211_3212	3211	3212	619.405	-0.46778	0.029925	-0.05198	-0.1512	686.2433
3212_3212	3212	3212	-619.403	0.467775	0.055125	-0.07088	0.1512	-686.243
3212_3213	3212	3213	617.9213	5.7078	-0.05513	0.070875	-0.48353	676.4546
3213_3213	3213	3213	-617.921	-5.7078	-0.02993	0.0504	0.483525	-676.455
3213_3214	3213	3214	612.9443	11.88338	0.029925	-0.0504	-0.30398	643.5875
3214_3214	3214	3214	-612.944	-37.9055	0.067725	-0.00945	0.303975	-643.58
3214_3215	3214	3215	581.2333	46.13963	-0.06773	0.00945	-0.8505	434.2055
3215_3215	3215	3215	-581.235	-46.1396	0.004725	0.048825	0.8505	-434.205
3215_3216	3215	3216	543.3089	54.37373	-0.00473	-0.04883	-0.88515	183.7994
3216_3216	3216	3216	-543.309	-54.3737	0.004725	0.048825	0.88515	-183.799
3216_3217	3216	3217	499.1695	62.60783	-0.00473	-0.04883	-0.9198	-107.631
3217_3217	3217	3217	-499.086	-88.9119	-0.30713	-0.063	0.9198	107.6355
3217_3218	3217	3218	431.172	96.8877	0.307125	0.063	1.45845	-556.043
3218_3218	3218	3218	-431.167	-96.8877	-0.37328	-0.1386	-1.45845	556.0412
3218_3219	3218	3219	357.4211	104.8651	0.373275	0.1386	4.35015	-1042.96
3219_3219	3219	3219	-370.402	-104.986	-0.1638	0.34965	-4.4226	1151.001
3219_3220	3219	3220	273.3932	114.764	0.1638	-0.34965	5.980275	-1793.87
3220_3220	3220	3220	517.608	222.7428	0.0945	-1.13085	0.75285	6939.203
3220_3221	3220	3221	-476.425	-208.114	-0.0945	1.10565	-1.92938	-4966.09
3221_3221	3221	3221	472.0275	210.6689	0.086625	1.0458	1.752975	4966.093
3221_3222	3221	3222	-386.233	-196.743	-0.08663	-1.0647	-2.835	-3220.25
3222_3222	3222	3222	380.635	171.2844	0.203175	-0.43155	2.924775	3220.128
3222_3223	3222	3223	-261.373	-157.213	-0.20318	0.39375	-5.62118	-1751.76
3223_3223	3223	3223	275.3462	158.0875	0.124425	0.34965	3.6225	1649.676
3223_3224	3223	3224	-120.387	-145.795	-0.12443	-0.36383	-5.08253	-578.455
3224_3224	3224	3224	117.7801	118.1219	-0.13703	0.026775	5.0904	578.457
3224_3225	3224	3225	-24.9228	-109.321	0.137025	-0.02363	-3.95483	-13.0631
3225_3225	3225	3225	24.4755	110.102	-0.15278	-0.03308	4.162725	14.00805
3225_3226	3225	3226	131.1928	-92.8526	0.152775	0.033075	-1.7388	979.9603
3226_3226	3226	3226	-131.209	68.98343	-0.01418	0.378	1.7388	-979.891
3226_3227	3226	3227	203.9594	-55.881	0.014175	-0.378	-1.5624	1444.412
3227_3227	3227	3227	-203.961	55.881	-0.02048	-0.34493	1.5624	-1444.41
3227_3228	3227	3228	261.4043	-42.7865	0.020475	0.344925	-1.30568	1811.201
3228_3228	3228	3228	-261.357	19.83555	-0.02048	0.584325	1.305675	-1810.88
3228_3229	3228	3229	276.8315	-6.741	0.020475	-0.58433	-1.0521	1909.681
3229_3229	3229	3229	-276.833	6.741	-0.02678	-0.36855	1.0521	-1909.68
3229_3230	3229	3230	277.0583	6.355125	0.026775	0.36855	-0.72135	1911.122
3230_3230	3230	3230	-277.06	-29.4478	0.11655	0.5229	0.72135	-1910.67
3230_3231	3230	3231	234.4372	42.72975	-0.11655	-0.5229	-2.1546	1638.512
3231_3231	3231	3231	-234.431	-42.7298	0.11025	-0.2898	2.1546	-1638.52

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3231_3232	3231	3232	176.1669	56.0007	-0.11025	0.2898	-3.50753	1266.491
3232_3232	3232	3232	-176.113	-81.7189	0.1008	0.130725	3.507525	-1266.2
3232_3233	3232	3233	111.2549	90.2034	-0.1008	-0.13073	-4.2966	852.0593
3233_3233	3233	3233	-111.253	-90.2034	0.099225	0.067725	4.2966	-852.059
3233_3234	3233	3234	43.59758	98.27685	-0.09923	-0.06773	-5.04	432.6638
3234_3234	3234	3234	-42.5171	-98.1761	0.149625	-0.1323	7.908075	-433.738
3234_3235	3234	3235	-44.5851	107.6859	-0.14963	0.137025	-9.23423	-145.459
3235_3235	3235	3235	46.52078	-132.21	-0.17325	-0.27248	9.2295	145.4363
3235_3236	3235	3236	-117.452	138.3921	0.17325	0.263025	-8.2089	-655.063
3236_3236	3236	3236	118.6826	-137.644	-0.1764	-0.2772	8.2089	655.0629
3236_3237	3236	3237	-178.506	143.5424	0.1764	0.266175	-7.27493	-1138.61
3237_3237	3237	3237	162.3463	-144.376	-0.2898	-0.27405	11.4723	1239.608
3237_3238	3237	3238	-245.432	156.0668	0.2898	0.23625	-8.59478	-2271.33
3238_3238	3238	3238	249.3981	-175.475	-0.48353	-1.24425	8.53335	2270.668
3238_3239	3238	3239	-324.554	187.8881	0.483525	1.160775	-3.55635	-3632.39
3239_3239	3239	3239	327.8961	-185.87	-0.49298	0.28035	3.66975	3632.39
3239_3240	3239	3240	-378.851	199.2769	0.492975	-0.3843	1.645875	-5192.94
3240_3240	3240	3240	384.2496	-221.097	-0.88043	0.69615	-1.61123	5191.713
3240_3241	3240	3241	-412.535	230.4005	0.880425	-0.83318	8.090775	-6392.45
3241_3241	3241	3241	-389.68	137.2487	-0.32445	-1.00485	-3.0744	1530.509
3241_3242	3241	3242	492.8175	-126.194	0.32445	1.00485	6.159825	-692.159
3242_3242	3242	3242	-483.037	126.041	-0.0063	-0.51503	-5.55345	644.9231
3242_3243	3242	3243	561.3631	-117.117	0.0063	0.515025	5.602275	-25.1118
3243_3243	3243	3243	-561.13	88.7796	-0.25043	0.124425	-5.60228	25.34333
3243_3244	3243	3244	627.6533	-77.7105	0.250425	-0.12443	7.986825	501.0658
3244_3244	3244	3244	-627.656	77.7105	-0.0756	-0.07088	-7.98683	-501.067
3244_3245	3244	3245	688.5758	-65.9626	0.0756	0.070875	8.749125	983.1418
3245_3245	3245	3245	-688.388	44.21813	-0.14805	0.51345	-8.74913	-982.742
3245_3246	3245	3246	720.4743	-32.6561	0.14805	-0.51345	10.21703	1236.643
3246_3246	3246	3246	-720.474	32.65605	0.174825	-0.37328	-10.217	-1236.64
3246_3247	3246	3247	742.4298	-21.4043	-0.17483	0.373275	8.53335	1410.386
3247_3247	3247	3247	-742.178	-4.6305	-0.2268	0.492975	-8.53335	-1410
3247_3248	3247	3248	734.4887	15.31058	0.2268	-0.49298	10.61708	1349.158
3248_3248	3248	3248	-734.492	-15.3106	0.042525	-0.31658	-10.6171	-1349.16
3248_3249	3248	3249	715.7714	27.44123	-0.04253	0.316575	10.17608	1201.019
3249_3249	3249	3249	-715.584	-48.7494	-0.21893	0.23625	-10.1761	-1200.73
3249_3250	3249	3250	668.6411	60.6375	0.218925	-0.23625	12.411	829.2785
3250_3250	3250	3250	-668.644	-60.6375	0.01575	-0.19688	-12.411	-829.278
3250_3251	3250	3251	616.4613	71.57273	-0.01575	0.196875	12.26925	416.3497
3251_3251	3251	3251	-616.694	-94.0763	1.0962	-0.06458	-12.2693	-416.29
3251_3252	3251	3252	546.8951	103.8461	-1.0962	0.064575	3.0618	-136.049
3252_3252	3252	3252	-546.865	-103.846	1.362375	0.01575	-3.0618	136.0485
3252_3253	3252	3253	469.9595	113.6426	-1.36238	-0.01575	-8.41838	-744.624
3253_3253	3253	3253	-470.275	-113.58	1.3797	0.2016	7.93485	746.1862
3253_3254	3253	3254	393.7185	122.4846	-1.3797	-0.2016	-18.5094	-1344.44
3254_3254	3254	3254	-393.352	-136.921	-0.47565	-5.8716	18.5094	1343.228
3254_3255	3254	3255	354.9924	140.7152	0.47565	5.8716	-16.958	-1659.43
3255_3255	3255	3255	417.1703	211.3351	-0.94343	0.7056	21.59483	6377.574
3255_3256	3255	3256	-389.887	-198.097	0.943425	-0.46305	-11.9275	-4767.81
3256_3256	3256	3256	383.9598	201.7607	-0.9513	2.5452	11.73218	4767.815
3256_3257	3256	3257	-337.51	-191.698	0.9513	-2.38928	-3.95325	-3615.31
3257_3257	3257	3257	333.3913	176.6048	-0.37643	-0.33863	4.150125	3614.625
3257_3258	3257	3258	-264.094	-164.743	0.376425	0.4032	-0.42525	-2408.36
3258_3258	3258	3258	261.5303	166.3436	-0.38273	0.492975	0.378	2408.363
3258_3259	3258	3259	-181.216	-156.249	0.382725	-0.44888	2.918475	-1443.4
3259_3259	3259	3259	200.833	154.9532	-0.2457	0.612675	-1.85535	1321.961
3259_3260	3259	3260	-162.045	-151.449	0.2457	-0.60323	2.634975	-1002.29
3260_3260	3260	3260	158.3615	117.1832	0.486675	-0.03938	-2.60348	999.3909

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3260_3261	3260	3261	-84.861	-108.25	-0.48668	0.00315	-1.04895	-447.668
3261_3261	3261	3261	83.38365	109.0955	0.483525	0.05355	1.047375	447.6685
3261_3262	3261	3262	9.6705	-97.828	-0.48353	-0.07245	-5.57393	163.3464
3262_3262	3262	3262	-11.8724	97.77443	0.3528	-0.00473	4.109175	-153.966
3262_3263	3262	3263	83.95065	-88.4678	-0.3528	0.004725	-6.81345	560.6559
3263_3263	3263	3263	-83.8514	61.83293	-0.14963	0.259875	6.81345	-560.59
3263_3264	3263	3264	146.4561	-48.143	0.149625	-0.25988	-5.12505	913.8245
3264_3264	3264	3264	-146.462	48.14303	-0.15278	0.0441	5.12505	-913.829
3264_3265	3264	3265	195.2654	-33.8263	0.152775	-0.0441	-3.3264	1189.193
3265_3265	3265	3265	-195.273	8.09235	-0.04725	0.351225	3.3264	-1189.14
3265_3266	3265	3266	196.4876	6.024375	0.04725	-0.35123	-2.77673	1195.992
3266_3266	3266	3266	-196.491	-6.02438	-0.05198	-0.06773	2.776725	-1196
3266_3267	3266	3267	181.5077	19.9143	0.051975	0.067725	-2.18768	1111.457
3267_3267	3267	3267	-181.508	-45.1427	0.051975	0.215775	2.187675	-1111.47
3267_3268	3267	3268	120.2796	59.24678	-0.05198	-0.21578	-2.78618	765.9997
3268_3268	3268	3268	-120.278	-59.2468	0.048825	0.017325	2.786175	-766.004
3268_3269	3268	3269	43.7409	73.14773	-0.04883	-0.01733	-3.34058	334.1552
3269_3269	3269	3269	-43.7504	-100.51	-0.05355	-0.09293	3.340575	-334.147
3269_3270	3269	3270	-89.3576	115.3388	0.05355	0.092925	-2.67908	-416.888
3270_3270	3270	3270	89.35448	-115.339	-0.05828	0.05355	2.679075	416.8899
3270_3271	3270	3271	-239.243	130.0289	0.058275	-0.05355	-1.97033	-1262.61
3271_3271	3271	3271	239.2835	-159.417	0.058275	-0.8316	1.970325	1262.748
3271_3272	3271	3272	-353.89	167.8383	-0.05828	0.8316	-2.37353	-2043.05
3272_3272	3272	3272	339.0896	-167.108	0.074025	-0.58748	3.179925	2224.185
3272_3273	3272	3273	-482.553	178.5263	-0.07403	0.58905	-3.8808	-3324.26
3273_3273	3273	3273	485.1488	-175.433	0.0693	0.3906	3.901275	3324.255
3273_3274	3273	3274	-590.06	185.4531	-0.0693	-0.3843	-4.47458	-4245.12
3274_3274	3274	3274	592.1669	-206.979	-1.16078	-1.31985	4.414725	4245.608
3274_3275	3274	3275	-621.983	209.842	1.160775	1.286775	-1.71518	-4582.8
3275_3275	3275	3275	559.8716	-211.582	-1.83488	-2.20028	2.6901	4994.554
3275_3276	3275	3276	-637.672	222.8121	1.834875	1.99395	13.20638	-6361.2
3276_3276	3276	3276	640.9211	-220.031	-1.84118	1.500975	-13.0442	6361.227
3276_3277	3276	3277	-689.007	231.7802	1.841175	-1.76243	29.07608	-7886.1
3277_3277	3277	3277	694.5482	-247.286	1.315125	-4.98488	-29.6006	7887.177
3277_3278	3277	3278	-728.891	262.2548	-1.31513	5.249475	15.88073	-9989.88
3278_3278	3278	3278	735.8951	-257.599	1.3104	-0.89618	-15.6335	9989.949
3278_3279	3278	3279	-730.8	272.223	-1.3104	1.1907	3.016125	-11963.1
3279_3279	3279	3279	-405.496	193.4037	0.600075	10.8108	6.2244	3470.814
3279_3280	3279	3280	471.9472	-188.186	-0.60008	-10.8108	-8.7003	-2875.75
3280_3280	3280	3280	-472.045	144.6386	-2.2491	-1.78133	8.7003	2876.26
3280_3281	3280	3281	546.5597	-136.702	2.2491	1.781325	5.410125	-2285.29
3281_3281	3281	3281	-507.331	136.4816	-1.70258	-0.17168	-4.84785	2143.339
3281_3282	3281	3282	616.0723	-124.29	1.702575	0.171675	21.28613	-1319.62
3282_3282	3282	3282	-616.11	124.2896	-1.41278	0.474075	-21.2861	1319.615
3282_3283	3282	3283	702.061	-113.731	1.412775	-0.47408	33.09548	-668.525
3283_3283	3283	3283	-816.143	89.88525	3.13425	-0.54968	-100.48	1201.659
3283_3284	3283	3284	887.9929	-79.1312	-3.13425	0.549675	61.73528	-444.267
3284_3284	3284	3284	-887.947	79.13115	4.276125	-0.08348	-61.7353	444.2713
3284_3285	3284	3285	948.5847	-68.7598	-4.27613	0.083475	10.73678	194.9441
3285_3285	3285	3285	-948.728	22.80915	-1.85063	0.17325	-10.7368	-194.954
3285_3286	3285	3286	963.1062	-12.5102	1.850625	-0.17325	32.65133	346.5205
3286_3286	3286	3286	-963.122	12.51023	-0.57803	-0.22995	-32.6513	-346.519
3286_3287	3286	3287	968.8376	-3.45083	0.578025	0.22995	38.66625	406.7737
3287_3287	3287	3287	-968.905	-24.7338	1.51515	-0.1449	-38.6663	-406.76
3287_3288	3287	3288	945.8773	34.55865	-1.51515	0.1449	21.55073	164.0095
3288_3288	3288	3288	-945.855	-34.5587	2.52315	-0.2961	-21.5507	-164.006
3288_3289	3288	3289	916.2878	44.07165	-2.52315	0.2961	-6.04958	-147.67
3289_3289	3289	3289	-916.426	-83.7648	-1.1655	-0.7497	6.049575	147.7019

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3289_3290	3289	3290	866.1508	91.03973	1.1655	0.7497	3.702825	-677.677
3290_3290	3290	3290	-866.157	-91.0397	-0.51818	-0.34808	-3.70283	677.6816
3290_3291	3290	3291	815.1098	97.87523	0.518175	0.348075	7.782075	-1215.79
3291_3291	3291	3291	-842.986	-97.9981	0.0756	0.3402	-7.92855	1277.705
3291_3292	3291	3292	789.1916	104.8635	-0.0756	-0.3402	7.328475	-1866.71
3292_3292	3292	3292	-789.206	-140.625	0.2835	1.053675	-7.32848	1866.759
3292_3293	3292	3293	765.2673	142.8116	-0.2835	-1.05368	6.615	-2171.44
3293_3293	3293	3293	456.0161	355.8949	1.015875	-6.42915	-10.9321	10069.11
3293_3294	3293	3294	-414.406	-347.158	-1.01588	6.304725	2.338875	-7625.55
3294_3294	3294	3294	403.945	349.8233	1.008	2.7468	-3.42878	7625.574
3294_3295	3294	3295	-313.987	-340.2	-1.008	-2.85863	-6.45908	-4974.8
3295_3295	3295	3295	304.4223	302.8646	-0.65835	-2.26013	6.868575	4975.087
3295_3296	3295	3296	-179.331	-292.635	0.65835	2.32155	0.3087	-2468.7
3296_3296	3296	3296	173.4044	293.6304	-0.66623	0.411075	-0.4788	2468.716
3296_3297	3296	3297	-54.2304	-286.099	0.666225	-0.38115	5.986575	-632.099
3297_3297	3297	3297	56.09993	284.1867	-0.45203	0.609525	-4.0383	585.9686
3297_3298	3297	3298	21.51923	-280.399	0.452025	-0.60323	5.989725	330.6587
3298_3298	3298	3298	-24.7574	235.7271	0.155925	0.45045	-5.97713	-330.633
3298_3299	3298	3299	148.784	-228.334	-0.15593	-0.45203	4.6935	1652.501
3299_3299	3299	3299	-149.505	228.249	0.152775	-0.1827	-4.69193	-1652.5
3299_3300	3299	3300	258.1079	-221.568	-0.15278	0.1827	3.55005	2812.569
3300_3300	3300	3300	-221.418	223.3382	0.231525	-1.9908	-5.43375	-3019.51
3300_3301	3300	3301	308.0684	-216.915	-0.23153	1.9908	3.791025	4172.295
3301_3301	3301	3301	-308.089	174.173	-0.03938	3.192525	-3.79103	-4172.48
3301_3302	3301	3302	420.9944	-163.253	0.039375	-3.19253	4.2651	5674.568
3302_3302	3302	3302	-420.996	163.2535	-0.04568	-3.12165	-4.2651	-5674.57
3302_3303	3302	3303	527.5463	-152.232	0.045675	3.12165	4.8258	7092.113
3303_3303	3303	3303	-527.568	110.1256	0.102375	3.920175	-4.8258	-7092.42
3303_3304	3303	3304	601.7193	-98.5273	-0.10238	-3.92018	3.51855	8078.926
3304_3304	3304	3304	-601.718	98.52728	0.096075	-3.21458	-3.51855	-8078.93
3304_3305	3304	3305	660.8952	-88.1843	-0.09608	3.214575	2.41605	8866.209
3305_3305	3305	3305	-660.92	49.11953	0.1386	5.655825	-2.41605	-8866.58
3305_3306	3305	3306	692.5401	-37.159	-0.1386	-5.65583	0.584325	9287.251
3306_3306	3306	3306	-692.54	37.15898	0.1323	-4.41158	-0.58433	-9287.26
3306_3307	3306	3307	712.215	-27.1782	-0.1323	4.411575	-0.87098	9549.027
3307_3307	3307	3307	-712.245	-9.94928	0.29295	5.9031	0.870975	-9549.49
3307_3308	3307	3308	701.3648	21.30818	-0.29295	-5.9031	-4.54545	9404.736
3308_3308	3308	3308	-701.363	-21.3082	0.28665	-3.30593	4.54545	-9404.75
3308_3309	3308	3309	684.1233	31.88588	-0.28665	3.305925	-7.89705	9175.391
3309_3309	3309	3309	-684.136	-69.2433	0.326025	5.561325	7.89705	-9175.64
3309_3310	3309	3310	635.0951	79.96905	-0.32603	-5.56133	-11.77	8523.204
3310_3310	3310	3310	-635.094	-79.9691	0.3213	-1.72935	11.76998	-8523.22
3310_3311	3310	3311	576.2531	91.18935	-0.3213	1.72935	-15.7547	7740.399
3311_3311	3311	3311	-576.261	-124.937	0.8568	4.799025	15.75473	-7740.72
3311_3312	3311	3312	488.7997	135.88	-0.8568	-4.79903	-26.1293	6577.137
3312_3312	3312	3312	-488.792	-135.88	0.8505	-1.23323	26.12925	-6577.16
3312_3313	3312	3313	393.572	146.8703	-0.8505	1.233225	-36.4786	5310.361
3313_3313	3313	3313	-393.626	-196.647	-0.76073	3.55635	36.47858	-5310.57
3313_3314	3313	3314	251.1275	208.1347	0.760725	-3.55635	-26.8097	3414.794
3314_3314	3314	3314	-251.138	-208.135	-0.76703	-0.16853	26.80965	-3414.81
3314_3315	3314	3315	101.2772	219.5692	0.767025	0.168525	-17.0998	1421.082
3315_3315	3315	3315	-101.176	-235.592	-2.09003	0.76545	17.09978	-1421.22
3315_3316	3315	3316	-7.28595	242.9879	2.090025	-0.76545	0	-21.7508
3400_3020	3400	3020	1008.655	-121.121	-36.1778	-0.38273	106.3172	-1974.57
3400_3401	3400	3401	-1008.66	121.1207	36.17775	0.382725	41.90288	1439.627
3401_3401	3401	3401	1007.496	-115.452	3.0492	1.037925	-38.8238	-1439.66
3401_3402	3401	3402	-1007.5	115.4522	-3.0492	-1.03793	28.18935	1037.026
3402_3402	3402	3402	1009.981	-91.2445	1.280475	-0.15278	-28.7028	-1037.01

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3402_3403	3402	3403	-1009.98	91.24448	-1.28048	0.152775	14.7294	40.761
3403_3403	3403	3403	1003.494	-59.3381	1.2411	-0.11813	-14.0569	-40.761
3403_3404	3403	3404	-1003.49	59.33813	-1.2411	0.118125	5.11245	-386.713
3404_3404	3404	3404	1004.589	-36.4124	0.44415	0.3087	-5.00535	386.7145
3404_3405	3404	3405	-1004.59	36.41243	-0.44415	-0.3087	1.7955	-649.5
3405_3405	3405	3405	1000.935	-0.69143	0.530775	0.011025	-2.03963	649.5001
3405_3406	3405	3406	-1000.93	0.691425	-0.53078	-0.01103	-5.61645	-659.46
3406_3406	3406	3406	998.9501	35.05635	-0.9576	-0.30398	5.51565	659.4667
3406_3407	3406	3407	-998.95	-35.0564	0.9576	0.303975	2.968875	-349.022
3407_3407	3407	3407	998.0318	55.29983	-2.87438	0.4095	-2.67435	349.0232
3407_3408	3407	3408	-998.032	-55.2998	2.874375	-0.4095	18.66375	-41.4603
3408_3408	3408	3408	989.7678	-153.959	6.055875	0.086625	-20.0104	41.4162
3408_3409	3408	3409	-989.768	153.9594	-6.05588	-0.08663	1.7325	-506.122
3409_3409	3409	3409	988.7189	150.3243	2.704275	0.10395	-1.77503	506.0113
3409_3410	3409	3410	-988.719	-150.324	-2.70428	-0.10395	-6.41183	-50.9654
3410_3410	3410	3410	1000.218	-60.2217	1.233225	-0.49613	5.19435	50.97015
3410_3411	3410	3411	-1000.22	60.2217	-1.23323	0.496125	-12.0393	-385.42
3411_3411	3411	3411	1001.273	-38.9009	-1.26945	0.193725	11.61563	385.4324
3411_3412	3411	3412	-1001.27	38.90093	1.26945	-0.19373	-0.3654	-730.203
3412_3412	3412	3412	1007.381	-3.35318	0.077175	-0.10553	-0.45045	730.2062
3412_3413	3412	3413	-1007.38	3.353175	-0.07718	0.105525	-0.66623	-778.534
3413_3413	3413	3413	1014.768	32.29853	0.9324	-0.66308	-0.37485	778.5414
3413_3414	3413	3414	-1014.77	-32.2985	-0.9324	0.663075	-6.35355	-545.566
3414_3414	3414	3414	1013.746	55.81958	-1.11195	0.310275	5.96925	545.5706
3414_3415	3414	3415	-1013.75	-55.8196	1.11195	-0.31028	2.04435	-143.234
3415_3415	3415	3415	1022.818	88.14803	0.952875	-0.07403	-2.97833	143.24
3415_3416	3415	3416	-1022.82	-88.148	-0.95288	0.074025	-7.4277	819.1953
3416_3416	3416	3416	1020.441	112.3605	0.615825	-0.52763	7.497	-819.194
3416_3417	3416	3417	-1020.44	-112.361	-0.61583	0.527625	-9.6453	1210.605
3417_3417	3417	3417	1021.86	118.9724	14.68688	0.001575	9.199575	-1210.62
3417_3036	3417	3036	-1021.86	-118.972	-14.6869	-0.00158	-69.4433	1715.606
3420_3056	3420	3056	854.6958	-110.463	-30.5172	-0.26618	113.8111	-1922.41
3420_3421	3420	3421	-854.696	110.4626	30.5172	0.266175	11.12423	1451.14
3421_3421	3421	3421	853.4736	-105.66	0.568575	0.4725	-9.48938	-1451.14
3421_3422	3421	3422	-853.474	105.6605	-0.56858	-0.4725	7.504875	1082.805
3422_3422	3422	3422	855.7416	-85.3776	0.1134	0.0567	-7.66553	-1082.8
3422_3423	3422	3423	-855.742	85.3776	-0.1134	-0.0567	6.430725	150.1117
3423_3423	3423	3423	848.7959	-58.0829	0.8694	0.007875	-6.08265	-150.113
3423_3424	3423	3424	-848.796	58.08285	-0.8694	-0.00788	-0.18585	-268.232
3424_3424	3424	3424	849.9015	-38.6946	0.0252	0.275625	0.28035	268.232
3424_3425	3424	3425	-849.902	38.6946	-0.0252	-0.27563	-0.46305	-547.442
3425_3425	3425	3425	845.8774	-8.72708	0.189	0.080325	0.41895	547.4432
3425_3426	3425	3426	-845.877	8.727075	-0.189	-0.08033	-3.1374	-673.254
3426_3426	3426	3426	843.3243	21.76178	-0.53078	-0.08663	3.186225	673.259
3426_3427	3426	3427	-843.324	-21.7618	0.530775	0.086625	1.507275	-480.644
3427_3427	3427	3427	842.7038	38.96393	-1.08045	0.252	-1.36868	480.6459
3427_3428	3427	3428	-842.704	-38.9639	1.08045	-0.252	7.369425	-264.102
3428_3428	3428	3428	833.3703	-138.386	-0.6741	-0.45833	-7.38045	264.107
3428_3429	3428	3429	-833.37	138.3858	0.6741	0.458325	9.420075	-683.181
3429_3429	3429	3429	833.7719	138.9308	1.38285	0.5859	-9.45158	683.7831
3429_3430	3429	3430	-833.772	-138.931	-1.38285	-0.5859	5.277825	-264.328
3430_3430	3430	3430	844.6757	-38.1481	-0.0882	0.3339	-5.53298	264.3197
3430_3431	3430	3431	-844.676	38.14808	0.0882	-0.3339	6.018075	-476.307
3431_3431	3431	3431	845.2883	-20.5097	0.987525	-0.1386	-5.75033	476.3099
3431_3432	3431	3432	-845.288	20.50965	-0.98753	0.1386	-2.9988	-658.019
3432_3432	3432	3432	849.418	9.6579	-0.06458	0.00315	2.540475	658.0287
3432_3433	3432	3433	-849.418	-9.6579	0.064575	-0.00315	-1.6002	-518.837
3433_3433	3433	3433	854.8738	39.7215	-0.58433	0.017325	1.359225	518.8523

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3433_3434	3433	3434	-854.874	-39.7215	0.584325	-0.01733	2.855475	-232.353
3434_3434	3434	3434	853.7193	59.59485	0.22995	-0.14333	-2.77988	232.355
3434_3435	3434	3435	-853.719	-59.5949	-0.22995	0.143325	1.11825	197.2719
3435_3435	3435	3435	861.7487	86.75258	-1.37498	0.3213	-1.4238	-197.289
3435_3436	3435	3436	-861.749	-86.7526	1.374975	-0.3213	16.43985	1144.469
3436_3436	3436	3436	859.3673	107.793	-2.92478	-1.4112	-15.8587	-1144.48
3436_3437	3436	3437	-859.367	-107.793	2.924775	1.4112	26.07728	1521.025
3437_3437	3437	3437	861.262	111.4706	21.63263	0.042525	-27.8366	-1521.08
3437_3072	3437	3072	-861.262	-111.471	-21.6326	-0.04253	-60.6611	1996.878
3440_3094	3440	3094	923.6871	-103.942	-28.5107	-0.22365	93.6054	-1498.39
3440_3441	3440	3441	-923.687	103.9421	28.51065	0.22365	23.1903	1072.588
3441_3441	3441	3441	921.8507	-99.1242	1.397025	-0.12285	-20.6073	-1072.61
3441_3442	3441	3442	-921.851	99.1242	-1.39703	0.12285	15.7311	726.7097
3442_3442	3442	3442	923.9832	-76.7482	1.340325	0.212625	-15.7437	-726.71
3442_3443	3442	3443	-923.983	76.74818	-1.34033	-0.21263	1.1088	-111.011
3443_3443	3443	3443	916.9839	-47.8343	-0.00788	0.14805	-0.31815	111.0107
3443_3444	3443	3444	-916.984	47.83433	0.007875	-0.14805	0.370125	-455.874
3444_3444	3444	3444	917.8486	-26.5151	0.16695	0.0693	-0.3969	455.8743
3444_3445	3444	3445	-917.849	26.51513	-0.16695	-0.0693	-0.81113	-647.149
3445_3445	3445	3445	913.5158	5.838525	0.0441	0.0315	1.4112	647.1439
3445_3446	3445	3446	-913.516	-5.83853	-0.0441	-0.0315	-2.0538	-562.984
3446_3446	3446	3446	910.3374	38.4741	0.121275	0.105525	2.770425	562.9869
3446_3447	3446	3447	-910.337	-38.4741	-0.12128	-0.10553	-3.84615	-222.253
3447_3447	3447	3447	909.353	57.1725	1.066275	-0.19845	3.743775	222.2546
3447_3448	3447	3448	-909.353	-57.1725	-1.06628	0.19845	-9.67208	95.56313
3448_3448	3448	3448	902.3663	-134.195	-4.4289	1.93725	10.65645	-95.5757
3448_3449	3448	3449	-902.366	134.1947	4.4289	-1.93725	2.7342	-310.193
3449_3449	3449	3449	902.3648	133.1489	4.26195	-1.96245	-2.7279	310.286
3449_3450	3449	3450	-902.365	-133.149	-4.26195	1.96245	-10.1225	91.13265
3450_3450	3450	3450	910.0067	-57.5568	-0.71978	0.09765	9.17595	-91.1232
3450_3451	3450	3451	-910.007	57.5568	0.719775	-0.09765	-5.17545	-228.879
3451_3451	3451	3451	910.9973	-38.8332	-0.43313	-0.08033	5.20695	228.879
3451_3452	3451	3452	-910.997	38.8332	0.433125	0.080325	-1.36868	-572.867
3452_3452	3452	3452	915.1648	-6.25433	0.029925	-0.05513	0.82845	572.8685
3452_3453	3452	3453	-915.165	6.254325	-0.02993	0.055125	-1.26	-663.017
3453_3453	3453	3453	920.3198	26.09618	-0.0126	-0.17168	0.584325	663.0199
3453_3454	3453	3454	-920.32	-26.0962	0.0126	0.171675	-0.49298	-474.765
3454_3454	3454	3454	919.4645	47.47208	-0.19688	-0.08505	0.45675	474.7649
3454_3455	3454	3455	-919.465	-47.4721	0.196875	0.08505	0.962325	-132.503
3455_3455	3455	3455	927.0781	76.44735	-0.28665	-0.02205	-1.7325	132.4859
3455_3456	3455	3456	-927.078	-76.4474	0.28665	0.02205	4.862025	701.9114
3456_3456	3456	3456	924.9518	98.89268	-1.1466	-0.57645	-4.6809	-701.911
3456_3457	3456	3457	-924.952	-98.8927	1.1466	0.57645	8.68455	1046.975
3457_3457	3457	3457	927.0466	103.6445	24.81255	0.19215	-10.7305	-1046.97
3457_3110	3457	3110	-927.047	-103.644	-24.8126	-0.19215	-90.9043	1486.235
3460_3132	3460	3132	847.9895	-142.531	-35.1209	-0.34965	157.7	-2137.6
3460_3461	3460	3461	-847.989	142.5312	35.12093	0.34965	14.46165	1376.654
3461_3461	3461	3461	851.5805	-102.044	-0.92453	-0.83003	-10.6785	-1376.66
3461_3462	3461	3462	-851.58	102.0443	0.924525	0.830025	13.90253	1020.717
3462_3462	3462	3462	853.7839	-81.5834	-0.1638	0.439425	-13.6442	-1020.72
3462_3463	3462	3463	-853.784	81.58343	0.1638	-0.43943	15.43658	129.8021
3463_3463	3463	3463	850.4134	-56.6244	0.90405	0.042525	-13.8002	-129.875
3463_3464	3463	3464	-850.413	56.6244	-0.90405	-0.04253	7.2891	-278.254
3464_3464	3464	3464	851.5001	-36.844	0.987525	0.184275	-7.29698	278.2537
3464_3465	3464	3465	-851.5	36.84398	-0.98753	-0.18428	0.1701	-543.964
3465_3465	3465	3465	852.2183	-8.43255	0.118125	0.01575	-0.78278	543.9751
3465_3466	3465	3466	-852.218	8.43255	-0.11813	-0.01575	-0.90878	-665.485
3466_3466	3466	3466	854.7966	20.2293	0.06615	-0.0567	0.401625	665.4722

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3466_3467	3466	3467	-854.797	-20.2293	-0.06615	0.0567	-0.9891	-486.341
3467_3467	3467	3467	854.1997	37.80315	-0.06773	-0.00315	1.022175	486.3411
3467_3468	3467	3468	-854.2	-37.8032	0.067725	0.00315	-0.6489	-276.233
3468_3468	3468	3468	849.733	-145.161	1.94355	-0.03623	0.3087	276.2345
3468_3469	3468	3469	-849.733	145.1615	-1.94355	0.036225	-6.1866	-715.108
3469_3469	3469	3469	852.6137	145.6812	0.0819	-0.02205	-5.01165	723.6338
3469_3470	3469	3470	-852.614	-145.681	-0.0819	0.02205	4.7628	-283.21
3470_3470	3470	3470	857.8521	-37.8583	0.307125	-0.01575	-4.33913	283.2354
3470_3471	3470	3471	-857.852	37.85828	-0.30713	0.01575	2.634975	-493.654
3471_3471	3471	3471	858.449	-20.2104	0.441	-0.03623	-2.6019	493.6538
3471_3472	3471	3472	-858.449	20.2104	-0.441	0.036225	-1.2978	-672.616
3472_3472	3472	3472	857.2237	9.149175	-0.0819	-0.07245	1.40805	672.6164
3472_3473	3472	3473	-857.224	-9.14918	0.0819	0.07245	-0.23468	-540.698
3473_3473	3473	3473	858.0506	38.51978	-0.15278	-0.17168	-0.1512	540.6975
3473_3474	3473	3474	-858.051	-38.5198	0.152775	0.171675	1.248975	-262.891
3474_3474	3474	3474	856.9244	58.4514	-0.2457	-0.1134	-1.26158	262.8911
3474_3475	3474	3475	-856.924	-58.4514	0.2457	0.1134	3.038175	158.4182
3475_3475	3475	3475	860.6666	85.4784	0.083475	-0.79538	-3.95483	-158.426
3475_3476	3475	3476	-860.667	-85.4784	-0.08348	0.795375	3.03975	1091.992
3476_3476	3476	3476	858.364	106.1109	2.118375	1.953	-3.7737	-1091.99
3476_3477	3476	3477	-858.364	-106.111	-2.11838	-1.953	-3.61463	1462.17
3477_3477	3477	3477	859.5279	110.6138	27.9027	0.395325	2.74365	-1462.14
3477_3148	3477	3148	-859.528	-110.614	-27.9027	-0.39533	-117.008	1915.12
3480_3168	3480	3168	862.9441	-120.5	-25.2835	-0.27878	95.82458	-2272.36
3480_3481	3480	3481	-862.944	120.5001	25.28348	0.278775	7.719075	1778.881
3481_3481	3481	3481	861.2982	-115.837	-0.58905	-1.39388	-7.2198	-1778.82
3481_3482	3481	3482	-861.298	115.8365	0.58905	1.393875	9.275175	1374.729
3482_3482	3482	3482	863.8277	-95.1458	0.521325	0.656775	-8.77118	-1374.73
3482_3483	3482	3483	-863.828	95.14575	-0.52133	-0.65678	3.07755	335.579
3483_3483	3483	3483	861.6431	-67.9833	0.118125	0.130725	-2.73105	-335.598
3483_3484	3483	3484	-861.643	67.9833	-0.11813	-0.13073	1.882125	-154.415
3484_3484	3484	3484	863.0118	-47.5414	0.231525	0.15435	-1.88528	154.4146
3484_3485	3484	3485	-863.012	47.54138	-0.23153	-0.15435	0.222075	-496.829
3485_3485	3485	3485	864.3789	-18.3803	0.121275	0.055125	-0.3843	496.818
3485_3486	3485	3486	-864.379	18.38025	-0.12128	-0.05513	-1.35608	-761.857
3486_3486	3486	3486	868.2329	11.13368	-0.49928	-0.07718	0.6615	761.8496
3486_3487	3486	3487	-868.233	-11.1337	0.499275	0.077175	3.759525	-663.264
3487_3487	3487	3487	867.8203	28.98473	-0.63315	0.1008	-3.71228	663.264
3487_3488	3487	3488	-867.82	-28.9847	0.63315	-0.1008	7.237125	-502.165
3488_3488	3488	3488	862.6133	-156.979	1.579725	-1.3797	-8.09078	502.1683
3488_3489	3488	3489	-862.613	156.9787	-1.57973	1.3797	3.312225	-976.766
3489_3489	3489	3489	866.4626	158.1253	-0.01575	1.28205	-7.96005	987.881
3489_3490	3489	3490	-866.463	-158.125	0.01575	-1.28205	8.0073	-509.812
3490_3490	3490	3490	872.276	-28.6839	0.63945	-0.02678	-7.5852	509.8023
3490_3491	3490	3491	-872.276	28.6839	-0.63945	0.026775	4.02885	-669.232
3491_3491	3491	3491	872.6807	-10.7415	0.7749	-0.04725	-3.98475	669.2317
3491_3492	3491	3492	-872.681	10.7415	-0.7749	0.04725	-2.88068	-764.346
3492_3492	3492	3492	869.5292	18.98663	-0.2835	-0.11183	3.359475	764.3412
3492_3493	3492	3493	-869.529	-18.9866	0.2835	0.111825	0.73395	-490.559
3493_3493	3493	3493	868.8818	48.6864	-0.35595	-0.22208	-0.40793	490.5653
3493_3494	3493	3494	-868.882	-48.6864	0.35595	0.222075	2.978325	-139.443
3494_3494	3494	3494	867.5462	68.49203	-0.43313	-0.14175	-2.98778	139.4426
3494_3495	3494	3495	-867.546	-68.492	0.433125	0.14175	6.099975	353.5875
3495_3495	3495	3495	870.5813	96.2325	0.59535	0.29925	-6.72998	-353.57
3495_3496	3495	3496	-870.581	-96.2325	-0.59535	-0.29925	0.228375	1404.59
3496_3496	3496	3496	868.0219	117.0839	-0.52448	-1.57343	0.28035	-1404.59
3496_3497	3496	3497	-868.022	-117.084	0.524475	1.573425	1.54665	1813.034
3497_3497	3497	3497	868.718	122.0468	28.27598	0.46305	-2.98148	-1812.99

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3497_3184	3497	3184	-868.718	-122.047	-28.276	-0.46305	-112.809	2359.046
3500_3204	3500	3204	963.8906	-128.024	-35.4013	-0.71348	136.3824	-2299.97
3500_3501	3500	3501	-963.891	128.0239	35.40128	0.713475	8.591625	1752.928
3501_3501	3501	3501	962.4368	-122.982	0.88515	1.768725	-5.27625	-1752.96
3501_3502	3501	3502	-962.437	122.9823	-0.88515	-1.76873	2.187675	1323.925
3502_3502	3502	3502	965.1112	-99.8519	-0.5355	-0.19058	-2.7342	-1323.92
3502_3503	3502	3503	-965.111	99.85185	0.5355	0.190575	8.585325	233.3678
3503_3503	3503	3503	957.7433	-69.3583	0.836325	0.07875	-7.33163	-233.361
3503_3504	3503	3504	-957.743	69.35828	-0.83633	-0.07875	1.30725	-266.556
3504_3504	3504	3504	959.0978	-47.0736	-0.3654	0.448875	-1.1844	266.5562
3504_3505	3504	3505	-959.098	47.0736	0.3654	-0.44888	3.8241	-606.04
3505_3505	3505	3505	954.1807	-13.219	0.124425	0.143325	-3.46185	606.0474
3505_3506	3505	3506	-954.181	13.21898	-0.12443	-0.14333	1.671075	-796.523
3506_3506	3506	3506	950.7724	20.84513	1.157625	0.0882	-1.2348	796.5169
3506_3507	3506	3507	-950.772	-20.8451	-1.15763	-0.0882	-9.0216	-611.936
3507_3507	3507	3507	950.1424	40.39245	1.009575	-0.00473	9.064125	611.9363
3507_3508	3507	3508	-950.142	-40.3925	-1.00958	0.004725	-14.6774	-387.437
3508_3508	3508	3508	937.3219	-158.725	-1.37183	1.702575	15.51848	387.4311
3508_3509	3508	3509	-937.322	158.7254	1.371825	-1.70258	-11.3699	-867.315
3509_3509	3509	3509	937.3613	158.9852	-3.20513	-1.9593	11.4282	867.1682
3509_3510	3509	3510	-937.361	-158.985	3.205125	1.9593	-1.73723	-386.527
3510_3510	3510	3510	950.6306	-40.2476	-0.12758	0	2.3058	386.568
3510_3511	3510	3511	-950.631	40.24755	0.127575	0	-1.5939	-610.268
3511_3511	3511	3511	951.2559	-20.6908	0.020475	-0.12758	1.63485	610.2684
3511_3512	3511	3512	-951.256	20.69078	-0.02048	0.127575	-1.81283	-793.49
3512_3512	3512	3512	955.2281	13.59383	-0.09293	-0.1638	1.9971	793.4992
3512_3513	3512	3513	-955.228	-13.5938	0.092925	0.1638	-0.66623	-597.483
3513_3513	3513	3513	960.6272	47.17125	-0.57803	-0.26303	0.4473	597.4794
3513_3514	3513	3514	-960.627	-47.1713	0.578025	0.263025	3.715425	-257.281
3514_3514	3514	3514	959.2711	69.48428	-0.68198	-0.14805	-3.7296	257.281
3514_3515	3514	3515	-959.271	-69.4843	0.681975	0.14805	8.648325	243.5517
3515_3515	3515	3515	967.1067	100.1117	1.19385	0.06615	-9.42008	-243.552
3515_3516	3515	3516	-967.107	-100.112	-1.19385	-0.06615	-3.61778	1336.923
3516_3516	3516	3516	964.4276	123.2816	0.8064	-0.57645	3.7674	-1336.92
3516_3517	3516	3517	-964.428	-123.282	-0.8064	0.57645	-6.58035	1766.986
3517_3517	3517	3517	964.7348	127.616	25.87253	0.46305	7.706475	-1766.83
3517_3220	3517	3220	-964.735	-127.616	-25.8725	-0.46305	-113.402	2288.166
3520_3241	3520	3241	980.0075	-154.621	-4.74233	0.74025	-50.9182	-3169.75
3520_3521	3520	3521	-980.008	154.6209	4.742325	-0.74025	70.32375	2537.122
3521_3521	3521	3521	976.7268	-149.064	7.788375	4.00365	-70.7648	-2535.59
3521_3522	3521	3522	-976.727	149.0643	-7.78838	-4.00365	43.63223	2016.219
3522_3522	3522	3522	979.9997	-125.882	5.42745	-0.01103	-45.0025	-2016.19
3522_3523	3522	3523	-980	125.8819	-5.42745	0.011025	-14.2648	641.4959
3523_3523	3523	3523	975.5755	-91.8572	0.41895	0.480375	12.4803	-641.069
3523_3524	3523	3524	-975.575	91.85715	-0.41895	-0.48038	-15.5059	-21.3003
3524_3524	3524	3524	977.4702	-68.7834	-2.72948	0.184275	15.53738	21.2814
3524_3525	3524	3525	-977.47	68.7834	2.729475	-0.18428	4.134375	-517
3525_3525	3525	3525	971.8569	-32.6655	-0.38588	-0.11813	-4.84943	516.6457
3525_3526	3525	3526	-971.857	32.6655	0.385875	0.118125	10.40603	-987.679
3526_3526	3526	3526	966.2672	3.15	1.337175	-1.19858	-10.058	986.6493
3526_3527	3526	3527	-966.267	-3.15	-1.33718	1.198575	-1.77975	-958.761
3527_3527	3527	3527	965.9869	23.49428	-1.0521	1.1088	2.83185	958.7576
3527_3528	3527	3528	-965.987	-23.4943	1.0521	-1.1088	3.012975	-828.308
3528_3528	3528	3528	946.553	-178.974	0.281925	-1.37498	-3.06653	828.0893
3528_3529	3528	3529	-946.553	178.9736	-0.28193	1.374975	2.212875	-1370.55
3529_3529	3529	3529	946.1639	176.1496	-2.6775	0.1827	-1.9467	1370.442
3529_3530	3529	3530	-946.164	-176.15	2.6775	-0.1827	10.04063	-838.13
3530_3530	3530	3530	961.5328	-24.9559	4.206825	-1.95143	-9.37598	838.2071

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3530_3531	3530	3531	-961.533	24.95588	-4.20683	1.951425	-13.986	-976.79
3531_3531	3531	3531	961.8525	-4.56435	1.82385	0.16695	12.89138	976.8071
3531_3532	3531	3532	-961.853	4.56435	-1.82385	-0.16695	-29.054	-1017.25
3532_3532	3532	3532	964.7096	29.12333	-0.2268	-0.65993	27.66803	1016.667
3532_3533	3532	3533	-964.71	-29.1233	0.2268	0.659925	-24.392	-596.868
3533_3533	3533	3533	968.1714	62.118	-0.78593	-0.27878	23.6376	596.7738
3533_3534	3533	3534	-968.171	-62.118	0.785925	0.278775	-17.9692	-149.086
3534_3534	3534	3534	966.4247	85.0626	-1.4049	-0.60638	17.92665	149.0911
3534_3535	3534	3535	-966.425	-85.0626	1.4049	0.606375	-7.79153	464.4581
3535_3535	3535	3535	968.3714	115.2947	5.646375	2.32785	8.62155	-463.554
3535_3536	3535	3536	-968.371	-115.295	-5.64638	-2.32785	-70.2371	1721.869
3536_3536	3536	3536	965.264	139.0316	1.951425	-6.2496	72.10193	-1721.78
3536_3537	3536	3537	-965.264	-139.032	-1.95143	6.2496	-78.9185	2207.438
3537_3537	3537	3537	955.1115	207.092	-5.14238	-1.29623	81.5976	-2205.54
3537_3255	3537	3255	-955.112	-207.092	5.142375	1.296225	-53.3941	3374.654
3540_3279	3540	3279	1382.631	-226.373	8.260875	10.40603	-106.637	-2899.49
3540_3541	3540	3541	-1382.63	226.3732	-8.26088	-10.406	65.54048	1716.465
3541_3541	3541	3541	1391.327	-155.364	7.593075	1.45845	-65.7358	-1720.97
3541_3542	3541	3542	-1391.33	155.3643	-7.59308	-1.45845	39.2868	1179.757
3542_3542	3542	3542	1394.609	-122.56	5.4999	0.565425	-39.7735	-1179.74
3542_3543	3542	3543	-1394.61	122.5602	-5.4999	-0.56543	-20.3144	-159.113
3543_3543	3543	3543	1393.347	-77.972	-1.1655	-0.54023	18.05895	158.382
3543_3544	3543	3544	-1393.35	77.97195	1.1655	0.540225	-9.6642	-720.115
3544_3544	3544	3544	1394.781	-45.5978	-2.772	0.074025	9.94455	720.1121
3544_3545	3544	3545	-1394.78	45.59783	2.772	-0.07403	10.03433	-1048.84
3545_3545	3545	3545	1386.252	1.671075	-0.40163	-0.55283	-10.1115	1046.767
3545_3546	3545	3546	-1386.25	-1.67108	0.401625	0.552825	15.9138	-1022.66
3546_3546	3546	3546	1376.597	49.34318	5.069925	-0.70403	-15.7122	1021.065
3546_3547	3546	3547	-1376.6	-49.3432	-5.06993	0.704025	-29.2037	-583.868
3547_3547	3547	3547	1375.222	78.99885	1.7136	0.055125	29.82105	583.8383
3547_3548	3547	3548	-1375.22	-78.9989	-1.7136	-0.05513	-39.3309	-145.459
3548_3548	3548	3548	1360.595	-210.751	-4.13123	3.5721	40.27118	143.6353
3548_3549	3548	3549	-1360.6	210.7508	4.131225	-3.5721	-27.7531	-782.336
3549_3549	3549	3549	1366.235	209.0419	-2.4885	-4.38165	28.05233	785.1139
3549_3550	3549	3550	-1366.24	-209.042	2.4885	4.38165	-20.6467	-163.052
3550_3550	3550	3550	1377.126	-88.1717	4.953375	-1.3104	20.39783	162.5778
3550_3551	3550	3551	-1377.13	88.17165	-4.95338	1.3104	-48.4391	-661.736
3551_3551	3551	3551	1378.783	-56.8402	0.33075	-0.2331	47.41223	661.8119
3551_3552	3551	3552	-1378.78	56.84018	-0.33075	0.2331	-50.2	-1140.36
3552_3552	3552	3552	1382.423	-0.08663	-0.18585	-1.19543	48.79193	1139.935
3552_3553	3552	3553	-1382.42	0.086625	0.18585	1.195425	-46.1648	-1141.15
3553_3553	3553	3553	1385.839	53.1531	-1.62068	-1.6821	44.2575	1140.628
3553_3554	3553	3554	-1385.84	-53.1531	1.620675	1.6821	-32.8466	-766.567
3554_3554	3554	3554	1383.995	88.91978	-5.10773	-0.55598	32.1363	766.5982
3554_3555	3554	3555	-1384	-88.9198	5.107725	0.555975	3.838275	-140.356
3555_3555	3555	3555	1385.753	140.909	-3.80363	-0.38903	-4.8888	140.3703
3555_3556	3555	3556	-1385.75	-140.909	3.803625	0.389025	45.40725	1360.567
3556_3556	3556	3556	1381.324	179.2067	-3.20198	1.482075	-45.5616	-1360.56
3556_3557	3556	3557	-1381.32	-179.207	3.201975	-1.48208	56.52675	1974.302
3557_3557	3557	3557	1367.423	240.9104	5.09985	2.083725	-55.4069	-1971.6
3557_3293	3557	3293	-1367.42	-240.91	-5.09985	-2.08373	22.39335	3601.762
43000_3000	43000	3000	3.33795	202.2786	8.519438	1.490475	0	15.88073
43000_3001	43000	3001	-3.33795	-186.913	-8.51944	-1.49048	-127.078	2886.852
43001_3001	43001	3001	3.3495	186.9129	8.516288	-1.91284	127.0784	-2886.85
43001_3002	43001	3002	-3.3495	-176.204	-8.51629	1.912838	-215.61	4774.473
43002_3002	43002	3002	3.19305	142.7577	-9.95453	4.677225	215.6104	-4774.55
43002_3003	43002	3003	-3.19305	-130.233	9.954525	-4.67723	-94.5536	6434.408
43003_3003	43003	3003	3.1773	130.2331	-9.96056	-6.48848	94.55355	-6434.41

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43003_3004	43003	3004	-3.1773	-117.701	9.960563	6.488475	26.64375	7942.813
43004_3004	43004	3004	3.270225	91.92225	1.660313	2.243063	-26.6438	-7943.02
43004_3005	43004	3005	-3.27023	-79.3916	-1.66031	-2.24306	6.431775	8985.058
43005_3005	43005	3005	3.270225	79.39155	1.658738	-6.00311	-6.43178	-8985.05
43005_3006	43005	3006	-3.27023	-66.8514	-1.65874	6.003113	-13.7592	9875.232
43006_3006	43006	3006	3.257888	41.59234	-0.08899	7.558688	13.7592	-9875.41
43006_3007	43006	3007	-3.25789	-29.0632	0.088988	-7.55869	-12.684	10305.1
43007_3007	43007	3007	3.256575	29.06321	-0.09371	-10.2918	12.684	-10305.1
43007_3008	43007	3008	-3.25658	-16.5278	0.093713	10.29184	-11.5429	10582.53
43008_3008	43008	3008	3.266288	-8.61263	0.84525	2.879888	11.54291	-10582.8
43008_3009	43008	3009	-3.26629	21.14621	-0.84525	-2.87989	-21.8245	10401.74
43009_3009	43009	3009	3.266288	-21.1462	0.8421	-5.60674	21.82451	-10401.7
43009_3010	43009	3010	-3.26629	33.67875	-0.8421	5.606738	-32.0738	10068.22
43010_3010	43010	3010	3.261825	-58.3375	0.100275	6.76095	32.07383	-10068.4
43010_3011	43010	3011	-3.26183	70.86844	-0.10028	-6.76095	-33.2984	9282.471
43011_3011	43011	3011	3.261825	-70.8684	0.094238	-8.39659	33.29839	-9282.47
43011_3012	43011	3012	-3.26183	83.39599	-0.09424	8.396588	-34.4571	8344.297
43012_3012	43012	3012	3.250013	-108.033	-1.21301	2.128088	34.45706	-8344.51
43012_3013	43012	3013	-3.25001	120.5715	1.213013	-2.12809	-19.7006	6953.365
43013_3013	43013	3013	3.250013	-120.572	-1.2159	-3.54821	19.70063	-6953.37
43013_3014	43013	3014	-3.25001	133.1056	1.2159	3.548213	-4.9119	5409.794
43014_3014	43014	3014	3.293588	-152.197	3.810188	2.313413	4.9119	-5409.9
43014_3015	43014	3015	-3.29359	169.1474	-3.81019	-2.31341	-67.6132	2765.966
43015_3015	43015	3015	4.782488	-169.112	3.807038	-4.29634	67.57669	-2764.13
43015_3016	43015	3016	-4.85651	177.6012	-3.80704	4.296338	-98.9423	1335.361
43016_3016	43016	3016	8.076863	-214.656	-1.55059	-0.59955	88.39058	-182.981
43016_3017	43016	3017	-8.38084	226.5569	1.550588	0.59955	-70.1544	-2555.08
43017_3017	43017	3017	13.92353	-226.284	-1.55505	0.386663	70.25576	2554.804
43017_3018	43017	3018	-14.5961	239.7019	1.55505	-0.38666	-49.6346	-5666.15
43018_3018	43018	3018	22.90811	-269.921	-0.53104	-7.24841	49.14788	5666.133
43018_3019	43018	3019	-23.8626	282.5836	0.531038	7.248413	-42.4883	-9144.17
43019_3019	43019	3019	31.25378	-281.86	-0.53419	5.8275	43.72489	9144.167
43019_3020	43019	3020	-32.5434	294.5216	0.534188	-5.8275	-37.0004	-12837.8
43020_3020	43020	3020	-1031.49	99.49433	-3.8808	-3.05786	75.42098	3036.89
43020_3021	43020	3021	1031.49	-89.879	3.8808	3.057863	-38.5836	-2078.4
43021_3021	43021	3021	-1031.49	89.87895	-1.90706	1.375763	38.58356	1829.195
43021_3022	43021	3022	1031.495	-82.0276	1.907063	-1.37576	-23.7901	-1162.84
43022_3022	43022	3022	-1031.49	82.02758	-1.90706	1.375763	23.79011	1162.845
43022_3023	43022	3023	1031.495	-74.1762	1.907063	-1.37576	-8.99771	-557.359
43023_3023	43023	3023	-1031.51	47.57051	-2.33993	-0.89985	8.997713	557.3933
43023_3024	43023	3024	1031.508	-39.4656	2.339925	0.89985	9.724313	-209.16
43024_3024	43024	3024	-1031.51	39.46556	-2.33993	-0.89985	-9.72431	209.1603
43024_3025	43024	3025	1031.508	-31.3622	2.339925	0.89985	28.44791	74.22503
43025_3025	43025	3025	-1031.51	31.36219	-1.18808	-0.98306	-28.4479	-74.2237
43025_3026	43025	3026	1031.509	-23.2683	1.188075	0.983063	37.9386	292.504
43026_3026	43026	3026	-1031.52	-3.00536	-2.80901	-0.73579	-37.9386	-292.563
43026_3027	43026	3027	1031.518	9.083025	2.809013	0.735788	54.79163	256.2893
43027_3027	43027	3027	-1031.52	-9.08303	-1.09699	-1.16051	-54.7916	-256.289
43027_3028	43027	3028	1031.521	15.15938	1.096988	1.160513	61.37775	183.5615
43028_3028	43028	3028	-1031.52	-15.1594	-1.09699	-1.16051	-61.3778	-183.562
43028_3029	43028	3029	1031.521	21.23573	1.096988	1.160513	67.96519	74.37544
43029_3029	43029	3029	-1031.52	-21.2357	0.613725	-1.28231	-67.9652	-74.371
43029_3030	43029	3030	1031.521	27.31076	-0.61373	1.282313	64.2873	-71.2467
43030_3030	43030	3030	-1031.54	-53.5511	-1.43168	-1.92334	-64.2873	71.20496
43030_3031	43030	3031	1031.539	61.6623	1.431675	1.923338	75.7617	-532.577
43031_3031	43031	3031	-1031.54	-61.6623	-0.27536	-1.32536	-75.7617	532.5784
43031_3032	43031	3032	1031.537	69.76095	0.275363	1.325363	77.97405	-1058.15
43032_3032	43032	3032	-1031.54	-69.761	1.006688	-0.00866	-77.9741	1058.148

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43032_3033	43032	3033	1031.539	77.86118	-1.00669	0.008662	69.92081	-1648.43
43033_3033	43033	3033	-1031.54	-105.745	0.267488	-5.88656	-69.9208	1648.493
43033_3034	43033	3034	1031.54	113.5898	-0.26749	5.886563	67.83945	-2498.02
43034_3034	43034	3034	-1031.53	-113.59	3.044738	0.83685	-67.8395	2498.032
43034_3035	43034	3035	1031.535	121.4443	-3.04474	-0.83685	44.22206	-3409.31
43035_3035	43035	3035	-1031.54	-121.444	2.4549	-0.49166	-44.2221	3671.589
43035_3036	43035	3036	1031.539	131.0676	-2.4549	0.491663	20.89658	-4920.07
43036_3036	43036	3036	28.67603	255.6474	0.348338	-5.50358	-27.1378	14897.33
43036_3037	43036	3037	-27.3874	-242.994	-0.34834	5.503575	22.76899	-11851.1
43037_3037	43037	3037	20.99449	243.6291	0.345975	5.183588	-23.6657	11851.07
43037_3038	43037	3038	-20.0385	-230.966	-0.34598	-5.18359	19.33155	-8816.18
43038_3038	43038	3038	12.6945	200.8613	0.126263	-5.37128	-18.6422	8816.586
43038_3039	43038	3039	-12.0204	-187.447	-0.12626	5.371275	16.98454	-6251.07
43039_3039	43039	3039	-1.59101	295.9273	0.61215	19.88648	-36.6909	22059.18
43039_3040	43039	3040	1.891838	-284.187	-0.61215	-19.8865	29.4819	-18905.6
43040_3040	43040	3040	-7.02712	241.5289	1.683938	-11.9424	-28.8595	18906.68
43040_3041	43040	3041	7.099575	-233.287	-1.68394	11.94244	14.97011	-17170.4
43041_3041	43041	3041	-9.14734	233.2168	1.69155	4.162988	-15.0749	17167.61
43041_3042	43041	3042	9.147338	-217.229	-1.69155	-4.16299	-12.0225	-12438.4
43042_3042	43042	3042	-9.1749	190.1988	-1.42091	-4.46618	12.0225	12438.69
43042_3043	43042	3043	9.1749	-178.262	1.420913	4.466175	4.960725	-10236.5
43043_3043	43043	3043	-9.1749	178.2619	-1.41251	4.066388	-4.96073	10236.47
43043_3044	43043	3044	9.1749	-166.327	1.412513	-4.06639	21.85076	-8177.08
43044_3044	43044	3044	-9.16046	143.7337	0.37485	-5.45318	-21.8508	8177.229
43044_3045	43044	3045	9.160463	-131.798	-0.37485	5.453175	17.37724	-6530.66
43045_3045	43045	3045	-9.15889	131.7984	0.389813	5.88735	-17.3772	6530.661
43045_3046	43045	3046	9.158888	-119.857	-0.38981	-5.88735	12.71025	-5025.74
43046_3046	43046	3046	-9.16309	96.7008	0.052238	0.752588	-12.7103	5025.851
43046_3047	43046	3047	9.163088	-84.7673	-0.05224	-0.75259	12.07343	-3941.7
43047_3047	43047	3047	-9.16309	84.76729	0.053288	1.015613	-12.0734	3941.703
43047_3048	43047	3048	9.163088	-72.8272	-0.05329	-1.01561	11.42794	-2999.4
43048_3048	43048	3048	-9.16886	49.68364	-0.76598	1.568175	-11.4279	2999.463
43048_3049	43048	3049	9.168863	-37.7451	0.765975	-1.56818	20.57239	-2476.8
43049_3049	43049	3049	-9.16886	37.74514	-0.76571	1.406475	-20.5724	2476.801
43049_3050	43049	3050	9.168863	-25.8161	0.765713	-1.40648	29.71684	-2097.14
43050_3050	43050	3050	-9.14366	3.5658	2.016788	1.2789	-29.7168	2097.156
43050_3051	43050	3051	9.143663	12.40628	-2.01679	-1.2789	-2.54441	-2493.02
43051_3051	43051	3051	-9.03945	-12.4832	2.022038	2.5935	2.565413	2494.058
43051_3052	43051	3052	8.97015	20.72359	-2.02204	-2.5935	-19.251	-2444.12
43052_3052	43052	3052	-7.82959	-53.7734	-0.57356	1.173375	19.26225	2444.134
43052_3053	43052	3053	7.542938	65.50714	0.573563	-1.17338	-12.5199	-3097.06
43053_3053	43053	3053	-8.50106	-60.0847	-0.36829	2.538375	4.111538	2594.211
43053_3054	43053	3054	7.856888	72.97605	0.368288	-2.53838	0.767287	-3468.95
43054_3054	43054	3054	-3.97084	-100.945	-0.03938	-2.14384	-1.05735	3468.905
43054_3055	43054	3055	3.060487	113.1131	0.039375	2.143838	1.554263	-4790.09
43055_3055	43055	3055	-0.12022	-113.154	-0.02126	5.428238	-0.84866	4790.094
43055_3056	43055	3056	-1.10985	125.322	0.021263	-5.42824	1.121663	-6303.17
43056_3056	43056	3056	-562.499	140.4294	2.85285	0.801938	-124.155	3221.346
43056_3057	43056	3057	562.4994	-131.178	-2.85285	-0.80194	97.04993	-1899.01
43057_3057	43057	3057	-562.494	131.1781	3.57735	3.057338	-97.0499	1868.757
43057_3058	43057	3058	562.4945	-123.64	-3.57735	-3.05734	69.33413	-881.658
43058_3058	43058	3058	-562.494	123.6399	3.57735	3.057338	-69.3341	881.6582
43058_3059	43058	3059	562.4945	-116.099	-3.57735	-3.05734	41.61833	47.01585
43059_3059	43059	3059	-562.517	89.73143	-0.15829	2.2911	-41.6183	-47.0195
43059_3060	43059	3060	562.5165	-81.937	0.158288	-2.2911	42.88988	734.3409
43060_3060	43060	3060	-562.515	81.93701	0.4977	1.436138	-42.8899	-734.342
43060_3061	43060	3061	562.5155	-74.1547	-0.4977	-1.43614	38.9193	1358.464
43061_3061	43061	3061	-562.515	74.15468	0.4977	1.436138	-38.9193	-1358.46

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43061_3062	43061	3062	562.5155	-66.3695	-0.4977	-1.43614	34.94899	1920.339
43062_3062	43062	3062	-562.513	40.96733	1.42485	2.3268	-34.949	-1920.4
43062_3063	43062	3063	562.5131	-35.127	-1.42485	-2.3268	26.39779	2148.765
43063_3063	43063	3063	-562.513	35.12696	1.42485	2.3268	-26.3978	-2148.76
43063_3064	43063	3064	562.5131	-29.284	-1.42485	-2.3268	17.84528	2342.06
43064_3064	43064	3064	-562.513	29.28398	1.42485	2.3268	-17.8453	-2342.06
43064_3065	43064	3065	562.5131	-23.4423	-1.42485	-2.3268	9.294075	2500.293
43065_3065	43065	3065	-562.51	23.4423	2.302913	-1.57185	-9.29408	-2500.29
43065_3066	43065	3066	562.5105	-17.6101	-2.30291	1.57185	-4.50004	2623.276
43066_3066	43066	3066	-562.522	-7.84639	1.236375	3.025575	4.500038	-2623.39
43066_3067	43066	3067	562.522	15.63791	-1.23638	-3.02558	-14.4	2529.395
43067_3067	43067	3067	-562.522	-15.6379	1.236375	3.025575	14.39996	-2529.4
43067_3068	43067	3068	562.522	23.42944	-1.23638	-3.02558	-24.3012	2373.027
43068_3068	43068	3068	-562.517	-23.4294	2.598225	-2.71845	24.3012	-2373.03
43068_3069	43068	3069	562.5173	31.21151	-2.59823	2.71845	-45.0713	2154.634
43069_3069	43069	3069	-562.512	-55.6889	3.193575	2.333888	45.07125	-2154.71
43069_3070	43069	3070	562.5115	63.23625	-3.19358	-2.33389	-69.83	1693.664
43070_3070	43070	3070	-562.507	-63.2363	3.875288	0.278513	69.82999	-1693.67
43070_3071	43070	3071	562.5068	70.77263	-3.87529	-0.27851	-99.833	1174.849
43071_3071	43071	3071	-562.502	-70.7726	4.611863	-0.90983	99.83295	-1132.41
43071_3072	43071	3072	562.5021	80.02418	-4.61186	0.909825	-143.662	419.8785
43072_3072	43072	3072	22.79183	193.7284	-0.42158	2.579588	65.51423	2198.241
43072_3073	43072	3073	-21.5602	-181.56	0.421575	-2.57959	-60.2044	182.8331
43073_3073	43073	3073	16.82678	182.0598	-0.42446	0.8673	60.26134	-182.831
43073_3074	43073	3074	-15.9133	-169.896	0.424463	-0.8673	-54.9336	2410.644
43074_3074	43074	3074	10.05821	137.9409	-0.2709	2.49375	54.78821	-2410.73
43074_3075	43074	3075	-9.41246	-125.045	0.2709	-2.49375	-51.1888	4255.133
43075_3075	43075	3075	12.13196	231.8539	0.305813	15.59198	57.92561	12707.22
43075_3076	43075	3076	-11.8579	-220.708	-0.30581	-15.592	-61.5216	-9966.47
43076_3076	43076	3076	7.968975	181.5216	-0.21184	-10.1546	61.97389	9966.984
43076_3077	43076	3077	-7.90283	-173.706	0.211838	10.15455	-60.2327	-8212.87
43077_3077	43077	3077	6.43545	173.7677	-0.22418	5.694413	60.14558	8210.571
43077_3078	43077	3078	-6.43545	-159.975	0.224175	-5.69441	-56.8856	-5782.88
43078_3078	43078	3078	6.42915	140.0388	-0.65205	-0.22234	56.88559	5783.051
43078_3079	43078	3079	-6.42915	-129.39	0.65205	0.222338	-49.5687	-4269.81
43079_3079	43079	3079	6.42915	129.3899	-0.65205	-0.22234	49.56866	4269.811
43079_3080	43079	3080	-6.42915	-118.737	0.65205	0.222338	-42.2544	-2876.21
43080_3080	43080	3080	6.433875	98.10885	-0.17115	-1.04764	42.25436	2876.239
43080_3081	43080	3081	-6.43388	-87.4479	0.17115	1.047638	-40.3179	-1833.22
43081_3081	43081	3081	6.432563	87.44794	-0.17824	0.507675	40.3179	1833.219
43081_3082	43081	3082	-6.43256	-76.7994	0.178238	-0.50767	-38.3255	-910.832
43082_3082	43082	3082	6.428363	54.90713	-0.46935	-0.3171	38.32553	910.8304
43082_3083	43082	3083	-6.42836	-43.46	0.46935	0.3171	-32.6516	-317.104
43083_3083	43083	3083	6.428363	43.46003	-0.47486	-0.04436	32.65159	317.1045
43083_3084	43083	3084	-6.42836	-32.0066	0.474863	0.044363	-26.9076	138.7588
43084_3084	43084	3084	6.4281	10.09444	-0.6657	0.075075	26.90756	-138.762
43084_3085	43084	3085	-6.4281	0.553875	0.6657	-0.07508	-19.4355	192.3267
43085_3085	43085	3085	6.426788	-0.55388	-0.67148	-0.10133	19.4355	-192.326
43085_3086	43085	3086	-6.42679	11.21033	0.671475	0.101325	-11.8915	126.2097
43086_3086	43086	3086	6.424163	-32.2473	-0.60743	-0.03229	11.89151	-126.207
43086_3087	43086	3087	-6.42416	42.90379	0.607425	0.032287	-5.06258	-296.097
43087_3087	43087	3087	6.425475	-42.9038	-0.61294	0.221025	5.062575	296.0971
43087_3088	43087	3088	-6.42548	53.54921	0.612938	-0.22103	1.818338	-837.604
43088_3088	43088	3088	6.439125	-72.9564	1.009838	-0.37433	-1.81834	837.6165
43088_3089	43088	3089	-6.43913	86.22101	-1.00984	0.374325	-12.2952	-2107.11
43089_3089	43089	3089	7.184625	-86.1617	1.00275	0.951825	12.30364	2108.432
43089_3090	43089	3090	-7.25235	93.98813	-1.00275	-0.95183	-20.5879	-2911.56
43090_3090	43090	3090	9.574688	-124.981	-1.65349	-1.8039	20.53905	2911.614

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43090_3091	43090	3091	-9.85346	136.1181	1.653488	1.8039	-1.09935	-4314.61
43091_3091	43091	3091	10.69058	-130.921	-1.37603	1.479975	-3.75139	3922.684
43091_3092	43091	3092	-11.3051	143.1665	1.376025	-1.47998	22.00616	-5776.83
43092_3092	43092	3092	17.00921	-171.367	0.060113	-3.62644	-22.3871	5776.78
43092_3093	43092	3093	-17.8786	182.9292	-0.06011	3.626438	21.62843	-8042.95
43093_3093	43093	3093	22.65086	-182.399	0.0588	3.013238	-21.0995	8042.954
43093_3094	43093	3094	-23.824	193.9515	-0.0588	-3.01324	20.3784	-10248.8
43094_3094	43094	3094	-772.192	117.6541	-0.62895	-3.18649	-42.389	3782.68
43094_3095	43094	3095	772.1923	-108.867	0.62895	3.186488	48.38426	-2706.2
43095_3095	43095	3095	-772.191	108.8672	0.9912	2.457263	-48.3843	2675.27
43095_3096	43095	3096	772.1907	-101.709	-0.9912	-2.45726	40.7085	-1860.02
43096_3096	43096	3096	-772.191	101.7088	1.020075	2.524463	-40.7085	1860.015
43096_3097	43096	3097	772.1907	-94.541	-1.02008	-2.52446	32.80279	-1099.24
43097_3097	43097	3097	-772.198	69.74546	-0.05801	-0.43181	-32.8028	1099.261
43097_3098	43097	3098	772.1984	-62.3448	0.058013	0.431813	33.25796	-570.703
43098_3098	43098	3098	-772.197	62.3448	0.882525	0.261713	-33.258	570.7047
43098_3099	43098	3099	772.197	-54.9562	-0.88253	-0.26171	26.20564	-101.925
43099_3099	43099	3099	-772.197	54.95621	0.90825	0.266438	-26.2056	101.9251
43099_3100	43099	3100	772.197	-47.5584	-0.90825	-0.26644	18.94016	-308.2664
43100_3100	43100	3100	-772.185	23.45831	3.345825	-2.0601	-18.9402	-308.258
43100_3101	43100	3101	772.1852	-17.908	-3.34583	2.0601	-1.13426	432.396
43101_3101	43101	3101	-772.185	17.90801	3.345825	-2.0601	1.134263	-432.396
43101_3102	43101	3102	772.1852	-12.3593	-3.34583	2.0601	-21.2103	523.2289
43102_3102	43102	3102	-772.185	12.35929	-3.12874	2.32575	21.21026	-523.228
43102_3103	43102	3103	772.1847	-6.81844	3.128738	-2.32575	-2.46908	580.6999
43103_3103	43103	3103	-772.189	6.818438	-1.79813	1.327463	2.469075	-580.701
43103_3104	43103	3104	772.1894	-1.26814	1.798125	-1.32746	8.33175	604.9761
43104_3104	43104	3104	-772.189	-22.9228	-0.54233	0.097912	-8.33175	-604.973
43104_3105	43104	3105	772.1892	30.32216	0.542325	-0.09791	12.66983	391.8915
43105_3105	43105	3105	-772.188	-30.3222	0.393488	-0.37564	-12.6698	-391.889
43105_3106	43105	3106	772.1879	37.71206	-0.39349	0.375638	9.523763	119.9693
43106_3106	43106	3106	-772.188	-37.7121	0.422363	-0.38246	-9.52376	-119.969
43106_3107	43106	3107	772.1879	45.1101	-0.42236	0.382463	6.142763	-211.482
43107_3107	43107	3107	-772.189	-69.2706	1.022963	-1.08308	-6.14276	211.4981
43107_3108	43107	3108	772.1886	76.43843	-1.02296	1.083075	-1.79602	-776.352
43108_3108	43108	3108	-772.189	-76.4384	0.995662	-1.11064	1.796025	776.3519
43108_3109	43108	3109	772.1886	83.59838	-0.99566	1.110638	-9.50723	-1395.94
43109_3109	43109	3109	-772.188	-83.5984	1.809675	0.45885	9.507225	1437.123
43109_3110	43109	3110	772.1881	92.38373	-1.80968	-0.45885	-26.7078	-2296.08
43110_3110	43110	3110	31.39421	222.7525	-0.60296	-4.0719	23.14909	8592.409
43110_3111	43110	3111	-30.2164	-211.201	0.602963	4.0719	-15.5825	-5840.16
43111_3111	43111	3111	24.68261	211.9197	-0.61609	4.863863	14.76615	5840.159
43111_3112	43111	3112	-23.8116	-200.359	0.616088	-4.86386	-7.03868	-3229.45
43112_3112	43112	3112	17.2725	170.4003	0.717675	-1.99946	7.492275	3229.561
43112_3113	43112	3113	-16.6567	-158.145	-0.71768	1.999463	-17.0113	-1048.16
43113_3113	43113	3113	18.68029	266.9433	1.125863	15.45364	1.153688	18101.82
43113_3114	43113	3114	-18.4078	-256.104	-1.12586	-15.4536	-14.3813	-14937.7
43114_3114	43114	3114	13.85396	219.0717	-0.01103	0.57855	14.7609	14938.03
43114_3115	43114	3115	-13.7878	-211.457	0.011025	-0.57855	-14.6714	-14126.5
43115_3115	43115	3115	11.95688	211.569	-0.00945	-0.61136	14.67638	14125.93
43115_3116	43115	3116	-11.9569	-198.182	0.00945	0.611363	-14.5354	-9754.75
43116_3116	43116	3116	11.95688	176.3924	-0.67043	-6.53546	14.53541	9754.711
43116_3117	43116	3117	-11.9569	-166.015	0.670425	6.535463	-6.98644	-7830.04
43117_3117	43117	3117	11.95688	166.015	-0.69353	7.2744	6.986438	7830.038
43117_3118	43117	3118	-11.9569	-155.651	0.693525	-7.2744	0.79275	-6023.62
43118_3118	43118	3118	11.9595	136.3963	0.17535	-3.18019	-0.79275	6023.643
43118_3119	43118	3119	-11.9595	-126.03	-0.17535	3.180188	-1.17206	-4549.91
43119_3119	43119	3119	11.9595	126.0297	0.153563	4.920825	1.172063	4549.907

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43119_3120	43119	3120	-11.9595	-115.665	-0.15356	-4.92083	-2.89748	-3192.64
43120_3120	43120	3120	11.95819	94.26218	-0.12128	0.309225	2.897475	3192.609
43120_3121	43120	3121	-11.9582	-83.1206	0.121275	-0.30922	-1.4196	-2122
43121_3121	43121	3121	11.95819	83.12063	-0.13125	2.066663	1.4196	2121.996
43121_3122	43121	3122	-11.9582	-71.9791	0.13125	-2.06666	0.176663	-1185.88
43122_3122	43122	3122	11.9595	50.33149	-0.1029	0.972825	-0.17666	1185.877
43122_3123	43122	3123	-11.9595	-39.9664	0.1029	-0.97282	1.335863	-678.826
43123_3123	43123	3123	11.95793	39.96641	-0.11314	1.584188	-1.33586	678.8245
43123_3124	43123	3124	-11.9579	-29.5919	0.113138	-1.58419	2.617125	-287.893
43124_3124	43124	3124	11.95793	7.999687	-0.20738	0.952875	-2.61713	287.8935
43124_3125	43124	3125	-11.9579	2.3667	0.207375	-0.95288	4.958625	-256.256
43125_3125	43125	3125	11.95661	-2.3667	-0.22916	1.410413	-4.95863	256.2535
43125_3126	43125	3126	-11.9566	12.73178	0.229163	-1.41041	7.540838	-341.019
43126_3126	43126	3126	11.95609	-32.4117	0.819788	0.506363	-7.54084	340.9786
43126_3127	43126	3127	-11.9561	45.15683	-0.81979	-0.50636	-3.78158	-876.603
43127_3127	43127	3127	12.33986	-45.0531	0.805875	1.298063	3.792338	879.7226
43127_3128	43127	3128	-12.4031	52.66826	-0.80588	-1.29806	-10.4391	-1282.85
43128_3128	43128	3128	14.07499	-84.8657	-3.73538	-3.3978	10.34749	1282.751
43128_3129	43128	3129	-14.3425	95.7096	3.735375	3.3978	33.55774	-2508.04
43129_3129	43129	3129	11.13394	-88.4108	-4.83341	2.733413	-34.1313	1883.584
43129_3130	43129	3130	-11.7671	101.0565	4.833413	-2.73341	98.24483	-3137.86
43130_3130	43130	3130	16.52831	-130.837	10.52494	-0.57671	-98.5821	3137.758
43130_3131	43130	3131	-17.4276	142.7677	-10.5249	0.576713	-33.3428	-4873.92
43131_3131	43131	3131	22.16865	-142.111	10.51943	1.551375	33.65486	4873.916
43131_3132	43131	3132	-23.3827	153.2575	-10.5194	-1.55138	-157.248	-6661.1
43132_3132	43132	3132	-612.058	116.3705	-3.44715	3.571575	95.79701	2868.488
43132_3133	43132	3133	612.0584	-106.539	3.44715	-3.57158	-60.2915	-1636.95
43133_3133	43133	3133	-612.053	106.5393	-4.23675	2.374313	60.29153	1504.977
43133_3134	43133	3134	612.0529	-99.1431	4.23675	-2.37431	-27.457	-707.951
43134_3134	43134	3134	-611.962	99.1431	-11.3132	-5.81333	27.45698	707.9323
43134_3135	43134	3135	611.9621	-91.717	11.31323	5.813325	60.56741	34.5765
43135_3135	43135	3135	-612.194	67.61606	3.659513	0.0399	-60.5674	-34.4526
43135_3136	43135	3136	612.1941	-59.9818	-3.65951	-0.0399	31.27898	544.9077
43136_3136	43136	3136	-612.194	59.98178	3.659513	0.0399	-31.279	-544.908
43136_3137	43136	3137	612.1941	-52.3446	-3.65951	-0.0399	1.992112	994.2652
43137_3137	43137	3137	-612.189	52.3446	4.4142	-1.18519	-1.99211	-994.264
43137_3138	43137	3138	612.1889	-44.7185	-4.4142	1.185188	-33.2792	1382.065
43138_3138	43138	3138	-612.121	21.23205	-1.02428	0.558863	33.27923	-1382.12
43138_3139	43138	3139	612.1214	-15.5067	1.024275	-0.55886	-27.1422	1492.355
43139_3139	43139	3139	-612.121	15.50666	-1.02428	0.558863	27.14224	-1492.36
43139_3140	43139	3140	612.1214	-9.77839	1.024275	-0.55886	-21.0024	1568.22
43140_3140	43140	3140	-612.122	9.778388	-0.00341	-2.05301	21.00236	-1568.22
43140_3141	43140	3141	612.1217	-4.05038	0.003413	2.053013	-20.9827	1609.71
43141_3141	43141	3141	-612.121	4.050375	-1.02428	0.6279	20.98268	-1609.71
43141_3142	43141	3142	612.1214	1.676588	1.024275	-0.6279	-14.8441	1616.837
43142_3142	43142	3142	-612.126	-26.0526	-0.51503	0.403988	14.84411	-1616.88
43142_3143	43142	3143	612.1261	33.68978	0.515025	-0.40399	-10.7192	1377.888
43143_3143	43143	3143	-612.126	-33.6898	0.249638	-1.3188	10.71919	-1377.89
43143_3144	43143	3144	612.1261	41.32564	-0.24964	1.3188	-12.7155	1077.797
43144_3144	43144	3144	-612.126	-41.3256	-0.51503	0.028875	12.7155	-1077.8
43144_3145	43144	3145	612.1261	48.96124	0.515025	-0.02888	-8.5932	716.6022
43145_3145	43145	3145	-612.122	-73.6507	-0.42368	-0.94946	8.5932	-716.607
43145_3146	43145	3146	612.1222	81.04845	0.423675	0.949463	-5.29988	117.07
43146_3146	43146	3146	-612.121	-81.0485	-1.21485	-0.79984	5.299875	-117.07
43146_3147	43146	3147	612.1209	88.44623	1.21485	0.799838	4.11495	-539.823
43147_3147	43147	3147	-612.121	-88.4462	-0.61136	-0.38378	-4.11495	655.2375
43147_3148	43147	3148	612.1206	97.51639	0.611363	0.383775	9.929063	-1538.67
43148_3148	43148	3148	41.14241	188.9417	-0.13676	-0.08295	-3.27679	5106.344

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43148_3149	43148	3149	-39.9341	-177.021	0.136763	0.08295	4.999313	-2808.9
43149_3149	43149	3149	35.28525	178.0055	-0.13834	0.082688	-5.00246	2808.904
43149_3150	43149	3150	-34.3907	-166.073	0.138338	-0.08269	6.728138	-652.106
43150_3150	43150	3150	28.57943	134.0328	0.898538	0.180338	-6.72	652.103
43150_3151	43150	3151	-27.9479	-121.383	-0.89854	-0.18034	-5.20721	1042.341
43151_3151	43151	3151	31.06793	245.2215	-0.22339	-1.80836	-14.6507	14772.46
43151_3152	43151	3152	-30.7813	-233.525	0.223388	1.808363	17.26699	-11958.6
43152_3152	43152	3152	26.68628	193.6379	0.828975	1.091738	-17.3163	11958.59
43152_3153	43152	3153	-26.617	-185.424	-0.82898	-1.09174	10.47769	-10394.7
43153_3153	43153	3153	25.05694	185.6418	0.835538	-1.55899	-10.4685	10397.6
43153_3154	43153	3154	-25.0569	-171.963	-0.83554	1.558988	-1.00879	-7940.55
43154_3154	43154	3154	25.07584	147.237	-0.40504	-2.92924	1.008788	7940.568
43154_3155	43154	3155	-25.0758	-136.285	0.405038	2.929238	3.426938	-6380.99
43155_3155	43155	3155	25.07584	136.2848	-0.42525	2.86965	-3.42694	6380.99
43155_3156	43155	3156	-25.0758	-125.334	0.42525	-2.86965	8.11125	-4941.91
43156_3156	43156	3156	25.06193	105.1903	0.384825	0.501375	-8.11125	4941.914
43156_3157	43156	3157	-25.0619	-95.2266	-0.38483	-0.50138	4.266413	-3938.7
43157_3157	43157	3157	25.06193	95.2266	0.384825	0.501375	-4.26641	3938.701
43157_3158	43157	3158	-25.0619	-85.2603	-0.38483	-0.50138	0.421838	-3035.25
43158_3158	43158	3158	25.0698	65.99119	-0.20475	0.85785	-0.42184	3035.218
43158_3159	43158	3159	-25.0698	-56.0262	0.20475	-0.85785	2.476163	-2424.44
43159_3159	43159	3159	25.0698	56.02616	-0.20475	0.895913	-2.47616	2424.443
43159_3160	43159	3160	-25.0698	-46.0517	0.20475	-0.89591	4.53495	-1912.97
43160_3160	43160	3160	25.07321	24.28335	-0.33521	0.156975	-4.53495	1913.02
43160_3161	43160	3161	-25.0732	-13.3434	0.335213	-0.15698	8.215988	-1706.23
43161_3161	43161	3161	25.0719	13.3434	-0.357	1.732763	-8.21599	1706.224
43161_3162	43161	3162	-25.0719	-2.39374	0.357	-1.73276	12.15795	-1619.66
43162_3162	43162	3162	25.05011	-18.7913	1.008263	1.4574	-12.158	1619.677
43162_3163	43162	3163	-25.0501	32.47965	-1.00826	-1.4574	-1.70153	-1972.21
43163_3163	43163	3163	25.31839	-32.2707	1.031625	-0.44992	1.696538	1970.737
43163_3164	43163	3164	-25.3861	40.47488	-1.03163	0.449925	-10.2071	-2270.5
43164_3164	43164	3164	26.92174	-75.5026	-1.99553	1.668713	10.25483	2270.383
43164_3165	43164	3165	-27.2024	87.20145	1.995525	-1.66871	13.20428	-3226.66
43165_3165	43165	3165	22.57763	-77.6436	-1.56634	-0.78383	-12.1811	2486.462
43165_3166	43165	3166	-23.2533	91.33635	1.566338	0.783825	32.95346	-3607.45
43166_3166	43166	3166	27.8586	-122.946	1.161825	-1.13321	-33.0498	3607.439
43166_3167	43166	3167	-28.8191	135.8658	-1.16183	1.133213	18.48735	-5229.67
43167_3167	43167	3167	32.35181	-135.066	1.161825	-0.65074	-18.511	5229.671
43167_3168	43167	3168	-33.6496	147.9825	-1.16183	0.650738	3.915188	-7007.87
43168_3168	43168	3168	-620.708	133.1736	-1.53064	-1.19831	19.18534	3226.22
43168_3169	43168	3169	620.7083	-123.355	1.530638	1.198313	-4.64021	-2007.53
43169_3169	43169	3169	-620.71	123.3553	-0.68749	1.680263	4.640212	1870.408
43169_3170	43169	3170	620.7099	-115.349	0.687488	-1.68026	0.6909	-945.316
43170_3170	43170	3170	-620.71	115.3493	-0.68749	1.680263	-0.6909	945.3161
43170_3171	43170	3171	620.7099	-107.339	0.687488	-1.68026	6.023325	-82.2966
43171_3171	43171	3171	-620.736	80.58566	0.569363	0.029138	-6.02333	82.33339
43171_3172	43171	3172	620.7359	-72.3282	-0.56936	-0.02914	1.467375	528.6359
43172_3172	43172	3172	-620.736	72.3282	0.582488	0.018112	-1.46738	-528.636
43172_3173	43172	3173	620.7359	-64.0623	-0.58249	-0.01811	-3.19358	1074.27
43173_3173	43173	3173	-620.736	64.06234	0.582488	0.018112	3.193575	-1074.27
43173_3174	43173	3174	620.7359	-55.7939	-0.58249	-0.01811	-7.8561	1553.762
43174_3174	43174	3174	-620.735	29.64386	1.246088	-1.4616	7.8561	-1553.81
43174_3175	43174	3175	620.7345	-23.4431	-1.24609	1.4616	-15.3266	1713.09
43175_3175	43175	3175	-620.736	23.44309	0.209475	1.392563	15.32659	-1713.09
43175_3176	43175	3176	620.7359	-17.2439	-0.20948	-1.39256	-16.5934	1835.169
43176_3176	43176	3176	-620.735	17.24389	1.246088	-1.66478	16.59341	-1835.17
43176_3177	43176	3177	620.7345	-11.0431	-1.24609	1.664775	-24.0639	1920.039
43177_3177	43177	3177	-620.736	11.04311	0.209475	1.53405	24.0639	-1920.04

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43177_3178	43177	3178	620.7359	-4.84391	-0.20948	-1.53405	-25.3294	1967.708
43178_3178	43178	3178	-620.714	-21.6812	-0.95708	0.429713	25.32941	-1967.71
43178_3179	43178	3179	620.7138	29.94705	0.957075	-0.42971	-17.6749	1761.171
43179_3179	43179	3179	-620.714	-29.9471	-0.95708	0.429713	17.67491	-1761.17
43179_3180	43179	3180	620.7138	38.21396	0.957075	-0.42971	-10.0188	1488.489
43180_3180	43180	3180	-620.714	-38.214	-0.18034	-1.42853	10.01884	-1488.49
43180_3181	43180	3181	620.7138	46.47983	0.180338	1.428525	-8.56958	1149.67
43181_3181	43181	3181	-620.754	-72.3621	1.248713	-0.56018	8.569575	-1149.63
43181_3182	43181	3182	620.7545	80.35991	-1.24871	0.560175	-18.2293	558.5084
43182_3182	43182	3182	-620.752	-80.3599	2.063513	-1.29281	18.22931	-558.507
43182_3183	43182	3183	620.7519	88.36879	-2.06351	1.292813	-34.2122	-95.3941
43183_3183	43183	3183	-620.753	-88.3688	1.871888	-0.9891	34.21215	205.5338
43183_3184	43183	3184	620.7529	98.18576	-1.87189	0.9891	-52.001	-1113.61
43184_3184	43184	3184	42.80036	192.9955	-1.19726	0.54495	33.80843	4618.818
43184_3185	43184	3185	-41.5104	-180.08	1.197263	-0.54495	-18.7793	-2250.19
43185_3185	43185	3185	36.81615	181.0964	-1.19726	0.05565	18.78818	2250.187
43185_3186	43185	3186	-35.8649	-168.181	1.197263	-0.05565	-3.79339	4.708977
43186_3186	43186	3186	29.96464	134.0504	0.757575	0.3675	3.775013	-4.70106
43186_3187	43186	3187	-29.2968	-120.356	-0.75758	-0.3675	-13.8135	1827.557
43187_3187	43187	3187	41.89526	244.4733	0.8526	-4.08056	1.351088	15156.94
43187_3188	43187	3188	-41.5973	-231.924	-0.8526	4.080563	-11.3634	-12132.9
43188_3188	43188	3188	37.63646	188.8386	-0.67384	-0.48536	11.26755	12132.94
43188_3189	43188	3189	-37.5627	-180.028	0.673838	0.485363	-5.7099	-9712.38
43189_3189	43189	3189	36.08824	180.3288	-0.6657	-2.88435	5.705963	9718.601
43189_3190	43189	3190	-36.0882	-165.656	0.6657	2.88435	3.422475	-7341.38
43190_3190	43190	3190	36.08141	141.6458	-0.22208	-1.64194	-3.42248	7341.435
43190_3191	43190	3191	-36.0814	-129.899	0.222075	1.641938	5.872125	-5847.73
43191_3191	43191	3191	36.08141	129.8992	-0.22208	-1.64194	-5.87213	5847.728
43191_3192	43191	3192	-36.0814	-118.15	0.222075	1.641938	8.318888	-4483.26
43192_3192	43192	3192	36.08115	95.4807	-0.16249	-0.87176	-8.31889	4483.243
43192_3193	43192	3193	-36.0812	-84.7266	0.162488	0.871763	9.945863	-3575.79
43193_3193	43193	3193	36.08115	84.7266	-0.16249	-0.87176	-9.94586	3575.792
43193_3194	43193	3194	-36.0812	-73.9696	0.162488	0.871763	11.5731	-2776.65
43194_3194	43194	3194	36.11948	53.28881	-2.27299	-0.08715	-11.5731	2776.668
43194_3195	43194	3195	-36.1195	-42.5347	2.272988	0.08715	34.45995	-2294.14
43195_3195	43195	3195	36.11948	42.53471	-2.27299	-0.08715	-34.46	2294.141
43195_3196	43195	3196	-36.1195	-31.7806	2.272988	0.08715	57.34969	-1919.93
43196_3196	43196	3196	36.04361	9.393825	0.920325	1.103288	-57.3497	1919.973
43196_3197	43196	3197	-36.0436	2.343075	-0.92033	-1.10329	47.24396	-1881.22
43197_3197	43197	3197	36.04204	-2.34308	0.951825	-0.57907	-47.244	1881.225
43197_3198	43197	3198	-36.042	14.09231	-0.95183	0.579075	36.77441	-1971.63
43198_3198	43198	3198	36.04939	-36.2597	0.637613	0.441525	-36.7744	1971.63
43198_3199	43198	3199	-36.0494	50.94364	-0.63761	-0.44153	28.01479	-2648.37
43199_3199	43199	3199	36.46151	-50.6499	0.628163	1.430888	-28.0051	2640.12
43199_3200	43199	3200	-36.5324	59.46203	-0.62816	-1.43089	22.81913	-3108.03
43200_3200	43200	3200	38.38223	-95.744	-2.35988	-0.14962	-22.8409	3108.008
43200_3201	43200	3201	-38.6781	108.2826	2.359875	0.149625	50.5533	-4342.07
43201_3201	43201	3201	36.09874	-98.6567	-1.98398	1.240575	-56.7536	3564.413
43201_3202	43201	3202	-36.8106	113.3911	1.983975	-1.24058	83.0718	-4964.57
43202_3202	43202	3202	41.84854	-144.817	0.80745	-0.5397	-83.2947	4964.493
43202_3203	43202	3203	-42.8584	158.7196	-0.80745	0.5397	73.18474	-6837.21
43203_3203	43203	3203	46.89851	-157.572	0.80745	1.328513	-73.175	6837.214
43203_3204	43203	3204	-48.2672	171.4739	-0.80745	-1.32851	63.04384	-8924.64
43204_3204	43204	3204	-681.334	144.5724	2.926088	2.79405	-156.671	4292.877
43204_3205	43204	3205	681.3337	-134.007	-2.92609	-2.79405	128.8778	-2926.96
43205_3205	43205	3205	-681.336	134.0073	2.254088	-0.74524	-128.878	2728.239
43205_3206	43205	3206	681.3361	-125.387	-2.25409	0.745238	111.4005	-1722.94
43206_3206	43206	3206	-681.332	125.3873	3.133988	1.477088	-111.401	1722.944

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43206_3207	43206	3207	681.3321	-116.769	-3.13399	-1.47709	87.11115	-784.472
43207_3207	43207	3207	-681.323	87.68104	2.3646	1.5834	-87.1112	784.55
43207_3208	43207	3208	681.323	-78.7839	-2.3646	-1.5834	68.19068	-118.596
43208_3208	43208	3208	-681.324	78.78386	2.351213	1.583138	-68.1907	118.5962
43208_3209	43208	3209	681.3243	-69.8993	-2.35121	-1.58314	49.40408	475.4736
43209_3209	43209	3209	-681.32	69.89929	3.216413	0.979125	-49.4041	-475.475
43209_3210	43209	3210	681.3201	-61.0034	-3.21641	-0.97913	23.67146	999.1409
43210_3210	43210	3210	-681.281	31.7268	0.019688	2.139375	-23.6715	-999.218
43210_3211	43210	3211	681.2807	-25.0551	-0.01969	-2.13938	23.5473	1169.59
43211_3211	43211	3211	-681.281	25.0551	0.019688	2.139375	-23.5473	-1169.59
43211_3212	43211	3212	681.2807	-18.3831	-0.01969	-2.13938	23.42209	1299.919
43212_3212	43212	3212	-681.279	18.38314	1.155788	-0.02756	-23.4221	-1299.92
43212_3213	43212	3213	681.2794	-11.7114	-1.15579	0.027563	16.48605	1390.211
43213_3213	43213	3213	-681.281	11.71144	0.019688	2.289525	-16.4861	-1390.21
43213_3214	43213	3214	681.2807	-5.03685	-0.01969	-2.28953	16.36215	1440.456
43214_3214	43214	3214	-681.313	-24.2049	2.786438	0.429975	-16.3622	-1440.45
43214_3215	43214	3215	681.3127	33.10204	-2.78644	-0.42998	-5.93014	1211.2
43215_3215	43215	3215	-681.316	-33.102	1.934888	1.944075	5.930138	-1211.2
43215_3216	43215	3216	681.3156	41.99921	-1.93489	-1.94408	-21.4103	910.7556
43216_3216	43216	3216	-681.316	-41.9992	1.934888	1.944075	21.41029	-910.756
43216_3217	43216	3217	681.3156	50.89481	-1.93489	-1.94408	-36.8902	539.1317
43217_3217	43217	3217	-681.273	-79.1519	0.80325	-0.84131	36.89018	-539.126
43217_3218	43217	3218	681.2726	87.7716	-0.80325	0.841313	-43.1078	-107.773
43218_3218	43218	3218	-681.274	-87.7716	-0.07796	-0.98044	43.10775	107.7731
43218_3219	43218	3219	681.2741	96.38869	0.077963	0.980437	-42.5103	-821.493
43219_3219	43219	3219	-681.268	-96.3887	2.734988	3.061275	42.5103	983.7146
43219_3220	43219	3220	681.2678	106.9425	-2.73499	-3.06128	-68.4771	-1948.6
43220_3220	43220	3220	51.00795	220.7916	-1.08176	-1.46081	40.02836	6103.348
43220_3221	43220	3221	-49.6503	-206.892	1.081763	1.460813	-26.4516	-3417.58
43221_3221	43221	3221	44.37668	208.0866	-1.17416	8.775113	25.61843	3417.57
43221_3222	43221	3222	-43.375	-194.187	1.174163	-8.77511	-10.8948	-905.806
43222_3222	43222	3222	37.0125	161.0495	5.691525	-4.42943	11.72299	905.6927
43222_3223	43222	3223	-36.3069	-146.315	-5.69153	4.429425	-87.202	1153.329
43223_3223	43223	3223	55.20218	279.6531	9.812513	50.33989	141.645	15695.58
43223_3224	43223	3224	-54.8825	-265.886	-9.81251	-50.3399	-256.974	-12704.2
43224_3224	43224	3224	50.4126	217.1836	-7.86503	-27.5817	258.3	12704.38
43224_3225	43224	3225	-50.3354	-207.513	7.865025	27.58166	-193.401	-10582.4
43225_3225	43225	3225	48.6402	207.9087	-8.09288	20.18205	193.1748	10582.73
43225_3226	43225	3226	-48.6402	-189.243	8.092875	-20.1821	-64.2498	-7419.2
43226_3226	43226	3226	48.52339	162.2289	0.479063	-9.09484	64.24976	7418.474
43226_3227	43226	3227	-48.5234	-148.049	-0.47906	9.094838	-70.041	-5541.06
43227_3227	43227	3227	48.52575	148.0492	0.276675	13.88573	70.04104	5541.048
43227_3228	43227	3228	-48.5258	-133.88	-0.27668	-13.8857	-73.3947	-3836.46
43228_3228	43228	3228	48.60188	106.6509	-3.42746	-3.17126	73.39474	3835.773
43228_3229	43228	3229	-48.6019	-89.7033	3.427463	3.171263	-31.951	-2648.49
43229_3229	43229	3229	48.58849	89.70334	-3.62828	7.774725	31.95098	2648.485
43229_3230	43229	3230	-48.5885	-72.7529	3.628275	-7.77473	11.92748	-1666.08
43230_3230	43230	3230	48.31838	46.92844	3.880275	-2.59403	-11.9275	1665.535
43230_3231	43230	3231	-48.3184	-29.7399	-3.88028	2.594025	-35.6661	-1195.35
43231_3231	43231	3231	48.33334	29.73994	3.68235	2.310525	35.66614	1195.346
43231_3232	43231	3232	-48.3333	-12.5593	-3.68235	-2.31053	-80.7954	-936.11
43232_3232	43232	3232	48.11625	-17.2071	10.81736	-4.28741	80.7954	935.7789
43232_3233	43232	3233	-48.1163	28.18883	-10.8174	4.287413	-165.56	-1113.64
43233_3233	43233	3233	48.12176	-28.1888	10.78849	-3.60675	165.5595	1113.642
43233_3234	43233	3234	-48.1218	38.63816	-10.7885	3.60675	-245.991	-1403.65
43234_3234	43234	3234	48.46065	-38.2507	10.65251	-1.72489	245.9867	1403.641
43234_3235	43234	3235	-48.5612	50.67799	-10.6525	1.724888	-340.445	-1809.81
43235_3235	43235	3235	50.57614	-83.1595	-10.0698	-8.62103	340.3446	1809.489

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43235_3236	43235	3236	-50.7347	91.3794	10.06976	8.621025	-281.27	-2336.9
43236_3236	43236	3236	42.34361	-84.4974	-12.9507	-2.12756	202.4712	1444.242
43236_3237	43236	3237	-42.5591	92.26613	12.9507	2.127563	-134.257	-1923.83
43237_3237	43237	3237	44.02046	-91.5632	-13.0678	-4.40816	134.1976	1906.462
43237_3238	43237	3238	-44.6636	106.1731	13.06778	4.408163	-4.69455	-2859.33
43238_3238	43238	3238	48.42653	-134.233	-14.5764	-10.1438	4.260113	2858.543
43238_3239	43238	3239	-49.3763	149.3927	14.57636	10.14379	145.7833	-4333.21
43239_3239	43239	3239	52.34224	-148.369	-14.6701	2.803238	-145.13	4333.247
43239_3240	43239	3240	-53.6571	164.2463	14.67008	-2.80324	303.4516	-6037.5
43240_3240	43240	3240	57.1452	-188.026	11.52821	-8.28896	-305.024	6034.817
43240_3241	43240	3241	-58.2369	198.8322	-11.5282	8.288963	220.1913	-7398.95
43241_3241	43241	3241	-714.08	187.9931	8.188425	-4.31813	-187.295	3670.961
43241_3242	43241	3242	714.0803	-173.982	-8.18843	4.318125	109.5392	-1952.22
43242_3242	43242	3242	-714.046	173.9819	10.74281	1.8648	-109.539	1898.908
43242_3243	43242	3243	714.0457	-162.656	-10.7428	-1.8648	27.08685	-607.061
43243_3243	43243	3243	-712.951	125.7475	-4.06035	2.378775	-27.0869	607.0003
43243_3244	43243	3244	712.9513	-111.7	4.06035	-2.37878	65.75021	523.2796
43244_3244	43244	3244	-712.957	111.6995	-2.50189	1.236375	-65.7502	-523.284
43244_3245	43244	3245	712.9571	-96.7932	2.501888	-1.23638	91.02083	1576.484
43245_3245	43245	3245	-712.965	73.39946	-0.17194	6.494775	-91.0208	-1575.84
43245_3246	43245	3246	712.9652	-58.7268	0.171938	-6.49478	92.7318	2232.822
43246_3246	43246	3246	-712.958	58.72676	2.697713	-2.49296	-92.7318	-2232.83
43246_3247	43246	3247	712.9584	-44.4483	-2.69771	2.492963	66.62171	2732.035
43247_3247	43247	3247	-712.69	15.73163	-1.09751	6.763575	-66.6217	-2731.3
43247_3248	43247	3248	712.6896	-2.17717	1.097513	-6.76358	76.71116	2813.548
43248_3248	43248	3248	-712.689	2.177175	1.302525	-2.71241	-76.7112	-2813.55
43248_3249	43248	3249	712.6888	13.21793	-1.30253	2.712413	63.12548	2755.949
43249_3249	43249	3249	-712.408	-36.8592	-2.92399	4.482188	-63.1255	-2755.29
43249_3250	43249	3250	712.4085	51.94429	2.923988	-4.48219	93.02764	2301.305
43250_3250	43250	3250	-712.414	-51.9443	-0.84026	-2.24805	-93.0276	-2301.31
43250_3251	43250	3251	712.4142	65.82109	0.840262	2.24805	100.9352	1747.568
43251_3251	43251	3251	-712.883	-92.39	12.80711	2.670675	-100.935	-1747.17
43251_3252	43251	3252	712.8831	104.7882	-12.8071	-2.67068	-6.68666	918.7508
43252_3252	43252	3252	-712.836	-104.788	15.1872	-0.39533	6.686663	-918.754
43252_3253	43252	3253	712.8361	117.2202	-15.1872	0.395325	-134.643	-16.4887
43253_3253	43253	3253	-712.817	-117.22	16.08994	-0.22286	134.6428	23.28296
43253_3254	43253	3254	712.8172	128.5276	-16.0899	0.222862	-257.943	-964.858
43254_3254	43254	3254	-712.225	-149.003	0.805875	-80.8025	257.9427	962.1483
43254_3255	43254	3255	712.2252	153.8221	-0.80587	80.80249	-260.577	-1471.04
43255_3255	43255	3255	54.84885	221.6855	-6.12019	15.22763	228.3425	4706.931
43255_3256	43255	3256	-53.2101	-206.632	6.120188	-15.2276	-165.562	-2487.62
43256_3256	43256	3256	46.40423	208.2638	-6.21889	17.59328	165.381	2487.621
43256_3257	43256	3257	-45.4894	-196.219	6.218888	-17.5933	-114.501	-823.738
43257_3257	43257	3257	41.49233	180.7147	-17.5928	5.99235	115.3496	823.4006
43257_3258	43257	3258	-40.6353	-166.162	17.59275	-5.99235	58.45586	933.5903
43258_3258	43258	3258	37.87166	166.8048	-17.6586	4.993538	-58.2663	-933.611
43258_3259	43258	3259	-37.3325	-154.104	17.65864	-4.99354	210.4071	2403.327
43259_3259	43259	3259	35.1246	154.6101	-17.7555	8.425463	-210.332	-2389.56
43259_3260	43259	3260	-34.9905	-149.95	17.7555	-8.42546	266.4328	2894.817
43260_3260	43260	3260	-1.60099	83.56583	18.93176	-36.0462	-151.285	14272.24
43260_3261	43260	3261	1.84275	-71.9541	-18.9318	36.04624	9.374925	-13660.2
43261_3261	43261	3261	-2.70296	71.92474	18.93911	-8.32834	-10.0553	13660.22
43261_3262	43261	3262	2.823713	-57.4421	-18.9391	8.328338	-166.977	-12405.1
43262_3262	43262	3262	-3.23768	57.414	18.94961	34.04625	166.9017	12405.31
43262_3263	43262	3263	3.237675	-45.5453	-18.9496	-34.0463	-312.057	-12011
43263_3263	43263	3263	-2.85364	15.52714	-13.0289	-13.8443	312.0566	12009.98
43263_3264	43263	3264	2.853638	1.930688	13.02893	13.84425	-165.276	-11933.4
43264_3264	43264	3264	-2.88802	-1.93069	-13.0211	16.62596	165.2763	11933.4

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43264_3265	43264	3265	2.888025	20.19019	13.02105	-16.626	-11.8479	-12063.7
43265_3265	43265	3265	-2.98095	-49.3261	-3.9543	-23.1856	11.84794	12063.22
43265_3266	43265	3266	2.98095	67.32863	3.9543	23.18558	34.10426	-12740.9
43266_3266	43266	3266	-2.99617	-67.3286	-3.94433	24.99604	-34.1043	12740.88
43266_3267	43266	3267	2.996175	85.04344	3.944325	-24.996	79.19153	-13611.9
43267_3267	43267	3267	-2.99932	-114.19	-0.18218	-23.1155	-79.1915	13611.97
43267_3268	43267	3268	2.999325	132.1787	0.182175	23.11549	81.29678	-15042
43268_3268	43268	3268	-3.00011	-132.179	-0.17273	18.9924	-81.2968	15041.97
43268_3269	43268	3269	3.000113	149.9072	0.172725	-18.9924	83.27629	-16655.7
43269_3269	43269	3269	-3.08858	-182.491	-9.50749	-42.1181	-83.2763	16656.73
43269_3270	43269	3270	3.088575	201.4016	9.507488	42.11813	199.2992	-18999.4
43270_3270	43270	3270	-3.1248	-201.402	-9.49358	30.38543	-199.299	18999.42
43270_3271	43270	3271	3.1248	220.1367	9.493575	-30.3854	314.0902	-21547.6
43271_3271	43271	3271	-2.94919	-253.414	14.30573	-81.3915	-314.09	21548.97
43271_3272	43271	3272	2.949187	264.1532	-14.3057	81.39154	214.9292	-24976.6
43272_3272	43272	3272	-0.61268	-264.17	14.31203	-24.7419	-215.153	24976.89
43272_3273	43272	3273	0.484312	278.796	-14.312	24.74194	80.02838	-27719.2
43273_3273	43273	3273	3.427988	-278.776	14.32253	57.36964	-78.5329	27719.16
43273_3274	43273	3274	-3.71569	291.5301	-14.3225	-57.3696	-39.3871	-29383.6
43274_3274	43274	3274	5.975813	-329.624	-51.2747	-65.3258	36.09008	29387.26
43274_3275	43274	3275	-6.08738	333.2283	51.27465	65.32575	83.25581	-30189.6
43275_3275	43275	3275	9.828788	-333.141	-51.272	-52.1939	-83.4808	30190.67
43275_3276	43275	3276	-10.3947	346.5604	51.27203	52.19393	527.8649	-32934.5
43276_3276	43276	3276	15.63949	-346.365	-51.2602	48.25091	-523.292	32934.58
43276_3277	43276	3277	-16.4165	359.8395	51.26021	-48.2509	969.6745	-36102
43277_3277	43277	3277	41.48839	-238.722	10.37164	-51.5028	-354.285	12571.91
43277_3278	43277	3278	-42.7374	255.2343	-10.3716	51.50276	246.0119	-15228.1
43278_3278	43278	3278	50.33201	-253.848	10.32098	-12.6213	-244.103	15228.17
43278_3279	43278	3279	-51.9362	269.0512	-10.321	12.62126	144.6454	-17650.7
43279_3279	43279	3279	-1206.21	247.9811	-0.18454	113.8822	-88.2593	7412.191
43279_3280	43279	3280	1206.211	-241.439	0.184538	-113.882	89.02215	-6257.48
43280_3280	43280	3280	-1206.35	182.6042	-19.4342	-18.0676	-89.0222	6258.443
43280_3281	43280	3281	1206.355	-172.656	19.43419	18.06761	210.939	-5144.09
43281_3281	43281	3281	-1206.41	172.6565	-15.5775	0.1071	-210.939	5010.198
43281_3282	43281	3282	1206.411	-157.347	15.57754	-0.1071	361.3155	-3417.35
43282_3282	43282	3282	-1206.45	157.347	-11.9999	10.2354	-361.316	3417.334
43282_3283	43282	3283	1206.451	-144.09	11.99993	-10.2354	461.6435	-2157.35
43283_3283	43283	3283	-1206.28	143.4736	14.33119	-1.71308	-461.644	2782.837
43283_3284	43283	3284	1206.282	-129.222	-14.3312	1.713075	284.4731	-1097.15
43284_3284	43284	3284	-1206.22	129.2225	18.97219	2.508975	-284.473	1097.151
43284_3285	43284	3285	1206.218	-115.477	-18.9722	-2.50898	58.22696	361.8245
43285_3285	43285	3285	-1206.4	43.88633	-6.3861	3.4398	-58.227	-361.84
43285_3286	43285	3286	1206.399	-30.2395	6.3861	-3.4398	133.8251	800.6499
43286_3286	43286	3286	-1206.42	30.23948	-1.21328	0.006037	-133.825	-800.656
43286_3287	43286	3287	1206.417	-18.2359	1.213275	-0.00604	146.4616	1053.085
43287_3287	43287	3287	-1206.49	-6.27743	6.257213	2.375625	-146.462	-1053.02
43287_3288	43287	3288	1206.486	19.29716	-6.25721	-2.37563	75.77903	908.6031
43288_3288	43288	3288	-1206.46	-19.2972	10.35431	-0.70796	-75.779	-908.605
43288_3289	43288	3289	1206.458	31.90058	-10.3543	0.707963	-37.4527	628.6689
43289_3289	43289	3289	-1206.59	-76.761	-0.48772	-0.52894	37.45271	-628.681
43289_3290	43289	3290	1206.59	86.40161	0.487725	0.528938	-33.369	-53.6949
43290_3290	43290	3290	-1206.59	-86.4016	2.13885	-0.41291	33.369	53.69595
43290_3291	43290	3291	1206.587	95.45786	-2.13885	0.412913	-50.1866	-768.26
43291_3291	43291	3291	-1206.58	-95.4579	4.551488	1.332188	50.18659	823.3404
43291_3292	43291	3292	1206.579	104.544	-4.55149	-1.33219	-86.0654	-1611.54
43292_3292	43292	3292	-1206.66	-141.455	-0.40267	-26.964	86.06535	1611.973
43292_3293	43292	3293	1206.659	144.3493	0.402675	26.964	-85.0534	-2010.11
43293_3293	43293	3293	54.37399	398.8533	-0.64076	-13.8511	-65.7452	9980.5

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43293_3294	43293	3294	-53.3214	-389.147	0.640762	13.85108	71.18396	-6577.63
43294_3294	43294	3294	40.54549	390.6845	-0.68644	14.75828	-73.5759	6577.6
43294_3295	43294	3295	-39.6974	-379.407	0.686437	-14.7583	80.32395	-2751.16
43295_3295	43295	3295	28.08776	330.4271	0.85575	3.446625	-79.2708	2751.334
43295_3296	43295	3296	-27.4441	-317.888	-0.85575	-3.44663	69.95048	903.1082
43296_3296	43296	3296	20.72936	318.3954	0.810337	1.500975	-69.7602	-903.13
43296_3297	43296	3297	-20.443	-308.864	-0.81034	-1.50098	63.04673	3939.096
43297_3297	43297	3297	15.6303	309.1426	0.779362	-7.6818	-62.868	-3936.65
43297_3298	43297	3298	-15.5589	-304.168	-0.77936	7.6818	59.50429	4777.198
43298_3298	43298	3298	4.175063	243.2716	4.455675	20.6157	-126.998	-7876.84
43298_3299	43298	3299	-4.14461	-233.57	-4.45568	-20.6157	90.29921	9840.468
43299_3299	43299	3299	3.401213	233.5822	4.4478	-0.30844	-90.2328	-9840.49
43299_3300	43299	3300	-3.40121	-224.807	-4.4478	0.308438	57.08194	11548.35
43300_3300	43300	3300	3.410663	224.8066	4.4415	-21.7565	-57.0819	-11549.2
43300_3301	43300	3301	-3.41066	-216.434	-4.4415	21.75653	25.515	13117.11
43301_3301	43301	3301	3.385463	177.7514	-0.41921	34.06174	-25.515	-13117.7
43301_3302	43301	3302	-3.38546	-163.52	0.419213	-34.0617	30.57574	15179.34
43302_3302	43302	3302	3.38415	163.5202	-0.43024	-23.7673	-30.5757	-15179.4
43302_3303	43302	3303	-3.38415	-149.157	0.430238	23.76728	35.83991	17085.91
43303_3303	43303	3303	3.39885	100.7152	1.725675	33.18525	-35.8399	-17086.6
43303_3304	43303	3304	-3.39885	-85.5992	-1.72568	-33.1853	13.69279	18282
43304_3304	43304	3304	3.40305	85.59915	1.715438	-22.0904	-13.6928	-18282
43304_3305	43304	3305	-3.40305	-72.1214	-1.71544	22.09043	-5.94195	19184.49
43305_3305	43305	3305	3.407513	27.54465	1.36605	41.4372	5.94195	-19185.3
43305_3306	43305	3306	-3.40751	-11.9569	-1.36605	-41.4372	-24.013	19446.64
43306_3306	43306	3306	3.413025	11.95688	1.3524	-30.7285	24.01298	-19446.7
43306_3307	43306	3307	-3.41303	1.0479	-1.3524	30.72851	-38.9521	19506.89
43307_3307	43307	3307	3.424575	-44.09	2.4213	39.48289	38.95211	-19507.8
43307_3308	43307	3308	-3.42458	58.89398	-2.4213	-39.4829	-69.3714	18860.59
43308_3308	43308	3308	3.43455	-58.894	2.407913	-23.736	69.3714	-18860.6
43308_3309	43308	3309	-3.43455	72.67785	-2.40791	23.73604	-97.56	18090.75
43309_3309	43309	3309	3.450038	-117.384	2.998275	34.22685	97.55996	-18091.4
43309_3310	43309	3310	-3.45004	131.3605	-2.99828	-34.2269	-133.139	16615.41
43310_3310	43310	3310	3.460013	-131.361	2.988038	-14.4304	133.1392	-16615.4
43310_3311	43310	3311	-3.46001	145.9826	-2.98804	14.43041	-170.229	14894.06
43311_3311	43311	3311	3.505425	-180.107	8.303925	27.09263	170.2292	-14894.6
43311_3312	43311	3312	-3.50543	194.3687	-8.30393	-27.0926	-270.773	12627.48
43312_3312	43312	3312	3.5322	-194.369	8.293425	-12.5559	270.7735	-12627.5
43312_3313	43312	3313	-3.5322	208.6907	-8.29343	12.5559	-371.61	10176.97
43313_3313	43313	3313	3.409875	-276.897	-8.47875	20.69891	371.6097	-10177.4
43313_3314	43313	3314	-3.40988	291.8682	8.47875	-20.6989	-263.853	6562.6
43314_3314	43314	3314	3.380475	-291.868	-8.49109	-3.80546	263.8527	-6562.63
43314_3315	43314	3315	-3.38048	306.768	8.491088	3.805463	-156.439	2775.782
43315_3315	43315	3315	3.709388	-331.942	-19.1176	-6.56933	156.4392	-2776.25
43315_3316	43315	3316	-3.70939	341.5818	19.11761	6.569325	0	20.44193

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1	2	3	4	5	6	7	8	9
3000_3000	3000	3000	3.22875	170.6465	0.7308	-0.68198	0	9.713025
3000_3001	3000	3001	196.6923	-156.323	-0.7308	0.681975	-10.8959	1505.453
3001_3001	3001	3001	-196.688	156.3235	0.729225	-1.07888	10.89585	-1505.45
3001_3002	3001	3002	325.6722	-146.341	-0.72923	1.078875	-18.4842	2482.995
3002_3002	3002	3002	-325.732	119.7725	-0.77963	-0.26775	18.4842	-2483.03
3002_3003	3002	3003	439.3163	-108.097	0.779625	0.26775	-9.009	3343.865
3003_3003	3003	3003	-439.321	108.097	-0.77963	-1.56398	9.009	-3343.86
3003_3004	3003	3004	541.3228	-96.4136	0.779625	1.563975	0.48195	4116.91
3004_3004	3004	3004	-541.302	75.82365	0.1134	-0.29925	-0.48195	-4116.99
3004_3005	3004	3005	611.0984	-64.1435	-0.1134	0.29925	-0.90563	4645.967
3005_3005	3005	3005	-611.098	64.14345	0.1134	-1.25213	0.905625	-4645.96
3005_3006	3005	3006	669.2821	-52.4538	-0.1134	1.252125	-2.29005	5086.927
3006_3006	3006	3006	-669.296	33.18368	0.017325	0.581175	2.29005	-5087.01
3006_3007	3006	3007	696.5611	-21.5051	-0.01733	-0.58118	-2.50425	5293.647
3007_3007	3007	3007	-696.561	21.50505	0.017325	-1.46633	2.50425	-5293.64
3007_3008	3007	3008	712.1867	-9.81855	-0.01733	1.466325	-2.70743	5412.07
3008_3008	3008	3008	-712.207	-9.14603	0.067725	0.344925	2.707425	-5412.25
3008_3009	3008	3009	697.2572	20.82938	-0.06773	-0.34493	-3.53745	5298.936
3009_3009	3009	3009	-697.256	-20.8294	0.067725	-0.62055	3.53745	-5298.93
3009_3010	3009	3010	670.6539	32.51273	-0.06773	0.62055	-4.36118	5097.321
3010_3010	3010	3010	-670.67	-51.523	0.00315	1.056825	4.361175	-5097.42
3010_3011	3010	3011	613.4578	63.20475	-0.00315	-1.05683	-4.39898	4663.833
3011_3011	3011	3011	-613.459	-63.2048	0.001575	-0.6426	4.398975	-4663.83
3011_3012	3011	3012	544.6114	74.88338	-0.00158	0.6426	-4.42733	4142.061
3012_3012	3012	3012	-544.63	-94.2653	-0.14333	0.741825	4.427325	-4142.15
3012_3013	3012	3013	444.7454	105.9503	0.143325	-0.74183	-2.67435	3385.152
3013_3013	3013	3013	-444.747	-105.95	-0.1449	0.124425	2.67435	-3385.15
3013_3014	3013	3014	333.2133	117.6368	0.1449	-0.12443	-0.91823	2539.867
3014_3014	3014	3014	-333.193	-137.978	0.581175	0.7812	0.918225	-2539.92
3014_3015	3014	3015	136.3982	153.7783	-0.58118	-0.7812	-10.4706	1048.463
3015_3015	3015	3015	-147.412	-153.099	0.3969	0.0378	7.155225	-1072.18
3015_3016	3015	3016	30.3912	160.965	-0.3969	-0.02993	-10.4218	246.4812
3016_3016	3016	3016	-27.1184	-184.955	0.06615	0.149625	10.43438	-246.481
3016_3017	3016	3017	-154.728	196.0686	-0.06615	-0.14333	-11.2172	-1275.78
3017_3017	3017	3017	157.9961	-195.346	0.06615	0.133875	11.24235	1281.931
3017_3018	3017	3018	-312.252	208.6371	-0.06615	-0.12443	-12.1212	-3120.77
3018_3018	3018	3018	318.6446	-233.647	-0.41895	-0.41108	12.09443	3120.758
3018_3019	3018	3019	-424.086	246.9285	0.41895	0.338625	-6.8481	-5276.72
3019_3019	3019	3019	429.4379	-245.587	-0.41895	0.62055	6.993	5276.712
3019_3020	3019	3020	-481.024	259.4561	0.41895	-0.70088	-1.72778	-7691.58
3020_3020	3020	3020	-412.072	92.00678	0.38745	-0.13388	-9.4626	1629.584
3020_3021	3020	3021	486.3742	-83.1002	-0.38745	0.133875	5.781825	-1063.61
3021_3021	3021	3021	-453.123	82.81508	0.45675	0.0189	-4.5486	901.582
3021_3022	3021	3022	510.4953	-75.5669	-0.45675	-0.0189	1.0017	-517.148
3022_3022	3022	3022	-510.495	75.56693	0.45675	0.0189	-1.0017	517.1481
3022_3023	3022	3023	562.6152	-68.3188	-0.45675	-0.0189	-2.5452	-167.901
3023_3023	3023	3023	-562.636	44.31105	-0.19215	-0.02678	2.5452	167.9155
3023_3024	3023	3024	592.9749	-36.8298	0.19215	0.026775	-1.00958	35.3808
3024_3024	3024	3024	-592.975	36.8298	-0.19215	-0.02678	1.009575	-35.3808
3024_3025	3024	3025	617.7197	-29.3486	0.19215	0.026775	0.52605	201.1889
3025_3025	3025	3025	-617.721	29.34855	-0.10238	-0.04725	-0.52605	-201.187
3025_3026	3025	3026	636.8497	-21.8783	0.102375	0.04725	1.3482	329.3577
3026_3026	3026	3026	-636.858	-1.0962	-0.2331	0.007875	-1.3482	-329.384
3026_3027	3026	3027	634.6699	6.70635	0.2331	-0.00788	2.74995	314.7244
3027_3027	3027	3027	-634.671	-6.70635	-0.1008	-0.04095	-2.74995	-314.724
3027_3028	3027	3028	629.3385	12.3165	0.1008	0.04095	3.3579	278.9892
3028_3028	3028	3028	-629.339	-12.3165	-0.1008	-0.04095	-3.3579	-278.989

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3028_3029	3028	3029	620.8603	17.92508	0.1008	0.04095	3.964275	222.1774
3029_3029	3029	3029	-620.86	-17.9251	0.0315	-0.07718	-3.96428	-222.176
3029_3030	3029	3030	609.2384	23.53365	-0.0315	0.077175	3.778425	144.3031
3030_3030	3030	3030	-609.249	-46.4546	-0.09765	-0.0567	-3.77843	-144.325
3030_3031	3030	3031	571.6778	53.94218	0.09765	0.0567	4.562775	-107.428
3031_3031	3031	3031	-571.678	-53.9422	-0.00788	-0.04568	-4.56278	107.4292
3031_3032	3031	3032	528.5653	61.42028	0.007875	0.045675	4.632075	-396.314
3032_3032	3032	3032	-528.565	-61.4203	0.09135	0.001575	-4.63208	396.3141
3032_3033	3032	3033	479.8694	68.8968	-0.09135	-0.00158	3.906	-722.61
3033_3033	3033	3033	-479.896	-93.744	-0.31028	-0.22208	-3.906	722.6352
3033_3034	3033	3034	409.4118	100.9859	0.310275	0.222075	6.30945	-1194.93
3034_3034	3034	3034	-409.415	-100.986	-0.09608	0.083475	-6.30945	1194.929
3034_3035	3034	3035	333.6071	108.2356	0.096075	-0.08348	7.0497	-1702.89
3035_3035	3035	3035	-374.373	-108.65	-0.18585	-0.0441	-9.2484	1901.811
3035_3036	3035	3036	278.7876	117.569	0.18585	0.0441	11.00925	-2620.26
3036_3036	3036	3036	563.1523	223.2437	0.22995	-0.68355	-3.4839	8961.738
3036_3037	3036	3037	-555.019	-209.061	-0.22995	0.63945	0.5985	-6891.23
3037_3037	3037	3037	550.3838	210.8185	0.228375	0.2457	-0.70718	6891.23
3037_3038	3037	3038	-501.556	-197.132	-0.22838	-0.28508	-2.1546	-4943.97
3038_3038	3038	3038	495.9203	173.7792	-0.04095	-0.45675	2.216025	4944.182
3038_3039	3038	3039	-410.9	-160.113	0.04095	0.46305	-1.67108	-3357.18
3039_3039	3039	3039	410.1048	161.9998	-0.0441	0.070875	1.62855	3341.363
3039_3040	3039	3040	-286.222	-150.835	0.0441	-0.06773	-1.11825	-2104.7
3040_3040	3040	3040	283.4874	126.7497	-0.01733	-0.34178	1.1277	2104.819
3040_3041	3040	3041	-198.853	-119.09	0.017325	0.341775	-0.9828	-1437.74
3041_3041	3041	3041	216.4003	118.7456	-0.00945	-0.1386	0.4599	1340.102
3041_3042	3041	3042	-39.0065	-104.059	0.00945	0.1386	-0.315	-178.31
3042_3042	3042	3042	39.00173	83.96798	-0.04725	-0.11813	0.315	178.3136
3042_3043	3042	3043	54.30285	-73.0028	0.04725	0.118125	0.250425	386.6468
3043_3043	3043	3043	-54.3029	73.00283	-0.04725	-0.1449	-0.25043	-386.645
3043_3044	3043	3044	134.568	-62.0393	0.04725	0.1449	0.823725	872.6492
3044_3044	3044	3044	-134.568	43.43535	0.00945	0.0315	-0.82373	-872.679
3044_3045	3044	3045	179.6807	-32.4718	-0.00945	-0.0315	0.707175	1145.844
3045_3045	3045	3045	-179.681	32.47178	0.007875	-0.14018	-0.70718	-1145.84
3045_3046	3045	3046	211.7808	-21.5019	-0.00788	0.140175	0.609525	1340.21
3046_3046	3046	3046	-211.787	3.2319	0.004725	0.045675	-0.60953	-1340.25
3046_3047	3046	3047	209.1159	7.728525	-0.00473	-0.04568	0.5607	1324.069
3047_3047	3047	3047	-209.116	-7.72853	0.004725	0.0378	-0.5607	-1324.07
3047_3048	3047	3048	193.4006	18.69683	-0.00473	-0.0378	0.511875	1228.919
3048_3048	3048	3048	-193.412	-37.2456	-0.02048	0.127575	-0.51188	-1228.96
3048_3049	3048	3049	142.6037	48.21233	0.020475	-0.12758	0.767025	921.3199
3049_3049	3049	3049	-142.604	-48.2123	-0.02048	0.1323	-0.76703	-921.318
3049_3050	3049	3050	78.813	59.17118	0.020475	-0.1323	1.0206	535.0685
3050_3050	3050	3050	-78.7941	-78.7421	0.143325	0.1638	-1.0206	-535.078
3050_3051	3050	3051	-58.1427	93.41483	-0.14333	-0.1638	-1.2663	-338.188
3051_3051	3051	3051	56.9142	-93.503	0.16695	0.2394	1.48365	349.6618
3051_3052	3051	3052	-130.219	101.0882	-0.16695	-0.23468	-2.85863	-855.55
3052_3052	3052	3052	132.4717	-124.699	0.01575	0.1449	2.861775	855.547
3052_3053	3052	3053	-252.069	135.5382	-0.01575	-0.14333	-3.0492	-1844.51
3053_3053	3053	3053	235.3412	-135.4	0.020475	0.354375	4.191075	1950.021
3053_3054	3053	3054	-322.477	148.154	-0.02048	-0.35123	-4.4667	-3287.27
3054_3054	3054	3054	327.4724	-171.228	-0.23153	-0.40163	4.430475	3287.256
3054_3055	3054	3055	-388.03	183.8608	0.231525	0.3591	-1.5246	-4905.12
3055_3055	3055	3055	392.038	-182.335	-0.23468	1.000125	1.64115	4905.114
3055_3056	3055	3056	-417.372	195.426	0.234675	-1.04738	1.299375	-6738.44
3056_3056	3056	3056	-295.513	105.1612	0.360675	-0.07245	-10.6139	1805.25
3056_3057	3056	3057	378.0095	-96.5696	-0.36068	0.07245	7.19145	-1160.49
3057_3057	3057	3057	-374.579	96.55538	0.40005	0.17325	-6.47955	1136.583

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3057_3058	3057	3058	436.7396	-89.5514	-0.40005	-0.17325	3.375225	-664.291
3058_3058	3058	3058	-436.74	89.55135	0.40005	0.17325	-3.37523	664.2909
3058_3059	3058	3059	494.2224	-82.5489	-0.40005	-0.17325	0.2709	-227.548
3059_3059	3059	3059	-494.246	59.10503	-0.12128	0.080325	-0.2709	227.5497
3059_3060	3059	3060	532.5548	-51.8648	0.121275	-0.08033	1.236375	63.5166
3060_3060	3060	3060	-532.556	51.86475	-0.05198	0.06615	-1.23638	-63.5166
3060_3061	3060	3061	565.8251	-44.6355	0.051975	-0.06615	1.649025	316.2962
3061_3061	3061	3061	-565.825	44.6355	-0.05198	0.06615	-1.64903	-316.296
3061_3062	3061	3062	594.1105	-37.4063	0.051975	-0.06615	2.061675	531.2018
3062_3062	3062	3062	-594.115	15.06173	0.014175	0.102375	-2.06168	-531.224
3062_3063	3062	3063	600.5066	-9.63585	-0.01418	-0.10238	1.97505	579.7796
3063_3063	3063	3063	-600.507	9.63585	0.014175	0.102375	-1.97505	-579.78
3063_3064	3063	3064	604.0881	-4.20998	-0.01418	-0.10238	1.88685	607.0003
3064_3064	3064	3064	-604.088	4.209975	0.014175	0.102375	-1.88685	-607
3064_3065	3064	3065	604.863	1.2159	-0.01418	-0.10238	1.800225	612.8861
3065_3065	3065	3065	-604.863	-1.2159	0.1071	-0.07718	-1.80023	-612.886
3065_3066	3065	3066	602.8344	6.632325	-0.1071	0.077175	1.1592	597.4826
3066_3066	3066	3066	-602.845	-28.8713	0.06615	0.083475	-1.1592	-597.519
3066_3067	3066	3067	580.4206	36.10688	-0.06615	-0.08348	0.6363	427.1416
3067_3067	3067	3067	-580.421	-36.1069	0.06615	0.083475	-0.6363	-427.142
3067_3068	3067	3068	553.0014	43.344	-0.06615	-0.08348	0.111825	218.8132
3068_3068	3068	3068	-552.998	-43.344	0.2079	-0.01575	-0.11183	-218.813
3068_3069	3068	3069	520.6336	50.5701	-0.2079	0.01575	-1.5561	-27.0963
3069_3069	3069	3069	-520.69	-73.6643	-0.25515	-0.1197	1.5561	27.08685
3069_3070	3069	3070	469.098	80.67465	0.25515	0.1197	0.4221	-419.07
3070_3070	3070	3070	-469.101	-80.6747	-0.1827	-0.02363	-0.4221	419.0697
3070_3071	3070	3071	412.9036	87.67395	0.1827	0.023625	1.84275	-846.052
3071_3071	3071	3071	-419.356	-87.7433	-0.12443	0.168525	-2.16248	885.4839
3071_3072	3071	3072	344.7297	96.34433	0.124425	-0.16853	3.3453	-1475.07
3072_3072	3072	3072	395.944	205.18	0.1764	-0.39848	1.904175	6371.215
3072_3073	3072	3073	-359.286	-192.185	-0.1764	0.363825	-4.1139	-4460.23
3073_3073	3073	3073	355.0617	193.8038	0.174825	0.1638	4.058775	4460.231
3073_3074	3073	3074	-279.986	-181.275	-0.17483	-0.19373	-6.2433	-2735.3
3074_3074	3074	3074	274.7084	157.7504	-0.07088	-0.31973	6.257475	2735.412
3074_3075	3074	3075	-169.949	-145.075	0.070875	0.329175	-5.31878	-1344.63
3075_3075	3075	3075	179.9296	145.1567	-0.05355	-0.03308	3.872925	1273.899
3075_3076	3075	3076	-44.204	-134.913	0.05355	0.039375	-3.23663	-193.244
3076_3076	3076	3076	41.8131	112.8519	-0.05828	-0.12758	3.23505	193.257
3076_3077	3076	3077	42.00053	-105.664	0.058275	0.12915	-2.75783	375.1193
3077_3077	3077	3077	-38.8379	106.3472	-0.08663	-0.42368	3.954825	-383.826
3077_3078	3077	3078	164.8316	-93.5393	0.086625	0.423675	-2.68853	1297.198
3078_3078	3078	3078	-164.835	76.1985	-0.03938	-0.31028	2.688525	-1297.23
3078_3079	3078	3079	234.1915	-66.3091	0.039375	0.310275	-2.23808	1800.02
3079_3079	3079	3079	-234.191	66.30908	-0.03938	-0.31028	2.238075	-1800.02
3079_3080	3079	3080	293.9218	-56.4212	0.039375	0.310275	-1.78763	2233.032
3080_3080	3080	3080	-293.923	39.96405	-0.00315	-0.0063	1.787625	-2233.06
3080_3081	3080	3081	328.0331	-30.0668	0.00315	0.0063	-1.75928	2480.337
3081_3081	3081	3081	-328.033	30.06675	-0.00473	-0.38273	1.759275	-2480.34
3081_3082	3081	3082	352.485	-20.1789	0.004725	0.382725	-1.71045	2657.589
3082_3082	3082	3082	-352.491	2.886975	-0.01575	0.165375	1.71045	-2657.63
3082_3083	3082	3083	349.9524	7.73955	0.01575	-0.16538	-1.52145	2639.234
3083_3083	3083	3083	-349.952	-7.73955	-0.01733	-0.24255	1.52145	-2639.23
3083_3084	3083	3084	336.283	18.37553	0.017325	0.24255	-1.30883	2540.138
3084_3084	3084	3084	-336.292	-35.6958	-0.04253	0.319725	1.308825	-2540.19
3084_3085	3084	3085	296.7458	45.58208	0.042525	-0.31973	-0.8316	2253.504
3085_3085	3085	3085	-296.746	-45.5821	-0.0441	-0.05355	0.8316	-2253.5
3085_3086	3085	3086	247.5333	55.4778	0.0441	0.05355	-0.33075	1896.746
3086_3086	3086	3086	-247.541	-72.0106	-0.0252	0.36225	0.33075	-1896.8

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3086_3087	3086	3087	172.5948	81.90473	0.0252	-0.36225	-0.05355	1353.494
3087_3087	3087	3087	-172.595	-81.9047	-0.02678	0.155925	0.05355	-1353.5
3087_3088	3087	3088	88.09605	91.78943	0.026775	-0.15593	0.24255	740.9351
3088_3088	3088	3088	-88.085	-108.747	0.168525	0.3276	-0.24255	-740.951
3088_3089	3088	3089	-51.2096	121.064	-0.16853	-0.3276	-2.11838	-290.35
3089_3089	3089	3089	52.05375	-120.878	0.149625	0.326025	1.9089	307.6071
3089_3090	3089	3090	-136.981	128.153	-0.14963	-0.32288	-3.15	-1043.19
3090_3090	3090	3090	139.6915	-149.494	-0.01103	0.1071	3.15	1043.189
3090_3091	3090	3091	-268.005	159.9381	0.011025	-0.10868	-3.01928	-2242.49
3091_3091	3091	3091	267.8445	-158.681	-0.01575	0.348075	3.83985	2263.417
3091_3092	3091	3092	-366.285	170.9867	0.01575	-0.35123	-3.62565	-3860.88
3092_3092	3092	3092	371.7945	-193.442	-0.23153	-0.18585	3.5973	3860.863
3092_3093	3092	3093	-435.604	205.695	0.231525	0.1449	-0.70088	-5761.24
3093_3093	3093	3093	440.1448	-203.92	-0.2331	0.60795	0.779625	5761.238
3093_3094	3093	3094	-464.414	216.6239	0.2331	-0.65363	2.143575	-7695.83
3094_3094	3094	3094	-334.24	94.05585	0.36225	-0.30555	-11.7794	1966.257
3094_3095	3094	3095	406.046	-85.88	-0.36225	0.30555	8.3286	-1398.39
3095_3095	3095	3095	-408.903	86.14148	0.634725	0.212625	-9.58545	1412.452
3095_3096	3095	3096	460.3694	-79.4603	-0.63473	-0.21263	4.67775	-977.182
3096_3096	3096	3096	-460.369	79.46033	0.637875	0.2205	-4.67775	977.182
3096_3097	3096	3097	507.7422	-72.7697	-0.63788	-0.2205	-0.26618	-576.543
3097_3097	3097	3097	-507.763	50.44095	-0.10395	-0.063	0.266175	576.5524
3097_3098	3097	3098	537.9491	-43.5346	0.10395	0.063	0.56385	-321.256
3098_3098	3098	3098	-537.949	43.53458	0.02205	0.014175	-0.56385	321.2559
3098_3099	3098	3099	563.6689	-36.6377	-0.02205	-0.01418	0.3906	-103.737
3099_3099	3099	3099	-563.669	36.63765	0.0252	0.014175	-0.3906	103.7374
3099_3100	3099	3100	584.9881	-29.7313	-0.0252	-0.01418	0.19215	76.5576
3100_3100	3100	3100	-584.977	8.541225	0.3906	-0.10238	-0.19215	-76.556
3100_3101	3100	3101	587.8436	-3.36105	-0.3906	0.102375	-2.14988	100.8047
3101_3101	3101	3101	-587.844	3.36105	0.3906	-0.10238	2.149875	-100.805
3101_3102	3101	3102	588.2153	1.81755	-0.3906	0.102375	-4.49348	103.9484
3102_3102	3102	3102	-588.214	-1.81755	-0.4725	0.0693	4.493475	-103.948
3102_3103	3102	3103	586.0953	6.98985	0.4725	-0.0693	-1.6632	86.02965
3103_3103	3103	3103	-586.098	-6.98985	-0.29453	0.04095	1.6632	-86.0312
3103_3104	3103	3104	581.4821	12.17003	0.294525	-0.04095	0.11025	46.98855
3104_3104	3104	3104	-581.481	-33.3412	-0.04883	-0.05513	-0.11025	-46.987
3104_3105	3104	3105	557.8398	40.24755	0.048825	0.055125	0.504	-152.95
3105_3105	3105	3105	-557.84	-40.2476	0.0756	-0.01733	-0.504	152.9498
3105_3106	3105	3106	529.8001	47.14605	-0.0756	0.017325	-0.1008	-390.087
3106_3106	3106	3106	-529.8	-47.1461	0.07875	-0.01575	0.1008	390.0866
3106_3107	3106	3107	497.2905	54.05243	-0.07875	0.01575	-0.73553	-665.025
3107_3107	3107	3107	-497.303	-76.397	-0.49298	-0.1512	0.735525	665.0375
3107_3108	3107	3108	447.6733	83.08755	0.492975	0.1512	3.0807	-1084.77
3108_3108	3108	3108	-447.673	-83.0876	-0.49613	-0.15908	-3.0807	1084.77
3108_3109	3108	3109	393.95	89.77028	0.496125	0.159075	6.922125	-1539.11
3109_3109	3109	3109	-392.922	-89.5325	-0.34808	0.12285	-6.22283	1533.979
3109_3110	3109	3110	318.643	97.71143	0.348075	-0.12285	9.53505	-2147.87
3110_3110	3110	3110	474.3869	211.8218	0.196875	-1.11353	0.209475	7993.982
3110_3111	3110	3111	-456.059	-199.074	-0.19688	1.075725	-2.67435	-5956.64
3111_3111	3111	3111	451.6092	200.9306	0.19215	0.6237	2.502675	5956.646
3111_3112	3111	3112	-395.623	-188.616	-0.19215	-0.65678	-4.90928	-4103.69
3112_3112	3112	3112	390.1952	166.6319	-0.05985	-0.45833	4.978575	4103.788
3112_3113	3112	3113	-300.957	-154.26	0.05985	0.4662	-4.18635	-2598.35
3113_3113	3113	3113	301.7669	155.6699	-0.0504	-0.01103	3.2886	2574.107
3113_3114	3113	3114	-181.208	-145.462	0.0504	0.01575	-2.7027	-1328.86
3114_3114	3114	3114	178.5546	124.2486	-0.10553	-0.32445	2.7027	1328.899
3114_3115	3114	3115	-97.6847	-117.161	0.105525	0.3276	-1.8333	-695.541
3115_3115	3115	3115	103.5153	116.7831	-0.0882	-0.22995	1.52145	625.2197

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3115_3116	3115	3116	46.53023	-104.426	0.0882	0.22995	-0.25358	397.5347
3116_3116	3116	3116	-46.5287	87.72435	-0.0126	-0.0819	0.253575	-397.521
3116_3117	3116	3117	133.738	-78.1452	0.0126	0.0819	-0.1197	955.9557
3117_3117	3117	3117	-133.738	78.1452	-0.01418	-0.2961	0.1197	-955.954
3117_3118	3117	3118	210.8075	-68.5755	0.014175	0.2961	0.04725	1449.465
3118_3118	3118	3118	-210.812	52.8255	-0.00158	0.108675	-0.04725	-1449.49
3118_3119	3118	3119	261.2831	-43.2558	0.001575	-0.10868	0.063	1772.667
3119_3119	3119	3119	-261.281	43.2558	-0.00473	-0.29295	-0.063	-1772.67
3119_3120	3119	3120	301.6976	-33.6861	0.004725	0.29295	0.114975	2031.46
3120_3120	3120	3120	-301.694	17.21318	-0.00473	0.12915	-0.11498	-2031.44
3120_3121	3120	3121	315.3229	-6.92843	0.004725	-0.12915	0.165375	2118.712
3121_3121	3121	3121	-315.323	6.928425	-0.0063	-0.0945	-0.16538	-2118.71
3121_3122	3121	3122	317.3405	3.356325	0.0063	0.0945	0.234675	2131.624
3122_3122	3122	3122	-317.34	-19.9222	-0.01418	0.237825	-0.23468	-2131.62
3122_3123	3122	3123	291.386	29.49188	0.014175	-0.23783	0.3906	1965.43
3123_3123	3123	3123	-291.386	-29.4919	-0.01575	0.0126	-0.3906	-1965.43
3123_3124	3123	3124	255.3437	39.06945	0.01575	-0.0126	0.56385	1734.634
3124_3124	3124	3124	-255.344	-55.1581	-0.00315	0.360675	-0.56385	-1734.64
3124_3125	3124	3125	192.3752	64.72778	0.00315	-0.36068	0.596925	1331.423
3125_3125	3125	3125	-192.375	-64.7278	-0.0063	0.058275	-0.59693	-1331.43
3125_3126	3125	3126	119.3551	74.29748	0.0063	-0.05828	0.66465	863.8513
3126_3126	3126	3126	-119.35	-90.7436	0.114975	0.253575	-0.66465	-863.842
3126_3127	3126	3127	-5.47155	102.5105	-0.11498	-0.25358	-0.91665	64.55768
3127_3127	3127	3127	6.20235	-102.016	0.1008	0.14805	0.82215	-62.2692
3127_3128	3127	3128	-88.8473	109.0105	-0.1008	-0.14648	-1.65375	-473.138
3128_3128	3128	3128	91.14998	-130.067	-0.02205	-0.00473	1.652175	473.119
3128_3129	3128	3129	-222.536	140.0522	0.02205	0.001575	-1.40175	-1576.12
3129_3129	3129	3129	208.267	-139.907	-0.02993	0.477225	1.7514	1677.075
3129_3130	3129	3130	-306.163	152.4269	0.029925	-0.48195	-1.3482	-3037.05
3130_3130	3130	3130	311.324	-176.713	-0.08348	-0.02048	1.32615	3037.031
3130_3131	3130	3131	-380.75	189.1292	0.083475	0.0063	-0.27248	-4722.84
3131_3131	3131	3131	386.0924	-186.726	-0.08505	0.518175	0.322875	4722.839
3131_3132	3131	3132	-410.443	198.9209	0.08505	-0.5355	0.678825	-6506.23
3132_3132	3132	3132	-308.807	96.24825	0.911925	0.527625	-12.978	1643.951
3132_3133	3132	3133	391.5608	-87.1274	-0.91193	-0.52763	3.579975	-982.702
3133_3133	3133	3133	-364.956	86.77935	0.756	0.063	-3.24608	852.9444
3133_3134	3133	3134	424.6436	-79.9439	-0.756	-0.063	-2.6082	-445.64
3134_3134	3134	3134	-424.692	79.94385	0.11025	-0.5418	2.6082	445.6163
3134_3135	3134	3135	479.693	-73.0832	-0.11025	0.5418	-3.4713	-70.2938
3135_3135	3135	3135	-479.674	49.59833	-0.03465	-0.02205	3.4713	70.37888
3135_3136	3135	3136	513.7288	-42.5408	0.03465	0.02205	-3.19095	162.0077
3136_3136	3136	3136	-513.729	42.54075	-0.03465	-0.02205	3.19095	-162.008
3136_3137	3136	3137	542.567	-35.4848	0.03465	0.02205	-2.9106	358.7992
3137_3137	3137	3137	-542.567	35.48475	0.033075	-0.07403	2.9106	-358.798
3137_3138	3137	3138	566.1621	-28.4382	-0.03308	0.074025	-3.17835	519.8146
3138_3138	3138	3138	-566.159	7.91595	-0.08663	0.0126	3.17835	-519.835
3138_3139	3138	3139	569.0806	-2.62395	0.086625	-0.0126	-2.65545	539.7714
3139_3139	3139	3139	-569.081	2.62395	-0.08663	0.0126	2.65545	-539.771
3139_3140	3139	3140	569.068	2.66805	0.086625	-0.0126	-2.13413	539.6864
3140_3140	3140	3140	-569.068	-2.66805	0.0063	-0.09293	2.134125	-539.686
3140_3141	3140	3141	566.1227	7.96005	-0.0063	0.092925	-2.16878	519.5799
3141_3141	3141	3141	-566.121	-7.96005	-0.08663	0.00945	2.168775	-519.58
3141_3142	3141	3142	560.2417	13.25363	0.086625	-0.00945	-1.64745	479.4521
3142_3142	3142	3142	-560.246	-34.3728	-0.03308	0.020475	1.64745	-479.468
3142_3143	3142	3143	532.2303	41.4288	0.033075	-0.02048	-1.38128	288.2896
3143_3143	3143	3143	-532.23	-41.4288	0.036225	-0.02205	1.381275	-288.29
3143_3144	3143	3144	498.9994	48.4848	-0.03623	0.02205	-1.67265	61.52265
3144_3144	3144	3144	-498.999	-48.4848	-0.03308	-0.01418	1.67265	-61.5227

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3144_3145	3144	3145	460.5521	55.5408	0.033075	0.014175	-1.40805	-200.842
3145_3145	3145	3145	-460.5	-78.4397	-0.38903	0.0378	1.40805	200.8472
3145_3146	3145	3146	401.8817	85.27523	0.389025	-0.0378	1.608075	-600.851
3146_3146	3146	3146	-401.877	-85.2752	-0.46148	-0.05355	-1.60808	600.8515
3146_3147	3146	3147	338.3636	92.1123	0.461475	0.05355	5.18175	-1034.27
3147_3147	3147	3147	-362.047	-92.4068	-0.41738	-0.00945	-5.3298	1149.747
3147_3148	3147	3148	280.717	100.8126	0.417375	0.00945	9.2988	-1742.33
3148_3148	3148	3148	437.0294	194.5188	0.1197	-0.22838	-0.8946	6604.392
3148_3149	3148	3149	-411.82	-181.607	-0.1197	0.20475	-0.60795	-4805.81
3149_3149	3149	3149	407.8274	183.4765	0.1197	-0.20633	0.603225	4805.813
3149_3150	3149	3150	-345.85	-171.021	-0.1197	0.18585	-2.10105	-3186.13
3150_3150	3150	3150	340.8788	148.039	-0.02363	-0.1512	2.0916	3186.131
3150_3151	3150	3151	-251.025	-135.493	0.023625	0.15435	-1.7703	-1868.15
3151_3151	3151	3151	268.736	135.891	-0.0189	-0.14963	1.434825	1755.818
3151_3152	3151	3152	-144.495	-125.11	0.0189	0.1512	-1.21118	-787.319
3152_3152	3152	3152	142.2713	102.5672	-0.06458	-0.13073	1.20645	787.322
3152_3153	3152	3153	-65.2554	-95.0292	0.064575	0.1323	-0.66938	-286.828
3153_3153	3153	3153	66.52485	95.00558	-0.05355	-0.09923	0.5481	276.5921
3153_3154	3153	3154	59.59958	-82.4812	0.05355	0.099225	0.181125	438.3997
3154_3154	3154	3154	-59.6059	64.62383	-0.0126	-0.04095	-0.18113	-438.39
3154_3155	3154	3155	127.4301	-54.5974	0.0126	0.04095	0.31185	822.8871
3155_3155	3155	3155	-127.43	54.59738	-0.0126	-0.09135	-0.31185	-822.886
3155_3156	3155	3156	183.8466	-44.5709	0.0126	0.09135	0.45675	1142.707
3156_3156	3156	3156	-183.848	28.17833	0.001575	-0.0126	-0.45675	-1142.7
3156_3157	3156	3157	208.3001	-19.0544	-0.00158	0.0126	0.448875	1281.316
3157_3157	3157	3157	-208.3	19.05435	0.001575	-0.0126	-0.44888	-1281.32
3157_3158	3157	3158	223.3051	-9.93038	-0.00158	0.0126	0.441	1366.377
3158_3158	3158	3158	-223.299	-4.72185	0.001575	0.0441	-0.441	-1366.35
3158_3159	3158	3159	213.6866	13.84583	-0.00158	-0.0441	0.4284	1311.852
3159_3159	3159	3159	-213.687	-13.8458	0.001575	0.042525	-0.4284	-1311.85
3159_3160	3159	3160	194.6023	22.97925	-0.00158	-0.04253	0.417375	1203.665
3160_3160	3160	3160	-194.604	-39.4853	0.011025	0.11655	-0.41738	-1203.67
3160_3161	3160	3161	144.0243	49.50383	-0.01103	-0.11655	0.303975	916.9256
3161_3161	3161	3161	-144.024	-49.5038	0.00945	0.05985	-0.30398	-916.927
3161_3162	3161	3162	81.9945	59.53028	-0.00945	-0.05985	0.206325	565.2896
3162_3162	3162	3162	-82.0055	-77.4916	0.0693	0.11025	-0.20633	-565.282
3162_3163	3162	3163	-37.1196	90.02385	-0.0693	-0.11025	-0.75285	-110.031
3163_3163	3163	3163	37.4031	-89.9719	0.0756	0.133875	0.8001	112.403
3163_3164	3163	3164	-112.263	97.4799	-0.0756	-0.1323	-1.42223	-580.277
3164_3164	3164	3164	114.4159	-120.478	-0.01418	0.1512	1.42695	580.2505
3164_3165	3164	3165	-238.759	131.1786	0.014175	-0.15278	-1.26	-1499.94
3165_3165	3165	3165	231.7187	-130.271	-0.01418	0.08505	1.409625	1553.719
3165_3166	3165	3166	-328.627	143.6542	0.014175	-0.08663	-1.21118	-2783.28
3166_3166	3166	3166	333.5945	-168.903	-0.07718	0.0819	1.214325	2783.286
3166_3167	3166	3167	-404.846	182.1755	0.077175	-0.09608	-0.25515	-4336.16
3167_3167	3167	3167	408.7172	-180.315	-0.07718	0.09135	0.256725	4336.158
3167_3168	3167	3168	-441.106	194.1251	0.077175	-0.1071	0.7056	-6078.27
3168_3168	3168	3168	-267.107	106.8496	0.25515	-0.08033	-6.1425	1546.853
3168_3169	3168	3169	358.8653	-97.7933	-0.25515	0.080325	3.72015	-941.699
3169_3169	3169	3169	-334.292	97.50038	0.252	-0.00315	-2.95785	821.9327
3169_3170	3169	3170	405.4995	-90.1341	-0.252	0.00315	1.006425	-379.591
3170_3170	3170	3170	-405.5	90.1341	0.252	-0.00315	-1.00643	379.5908
3170_3171	3170	3171	471.1156	-82.7678	-0.252	0.00315	-0.945	28.0224
3171_3171	3171	3171	-471.059	58.5711	-0.00158	-0.02048	0.945	-27.9956
3171_3172	3171	3172	513.9194	-50.978	0.001575	0.020475	-0.93713	294.2573
3172_3172	3172	3172	-513.919	50.97803	0	-0.02205	0.937125	-294.257
3172_3173	3172	3173	550.883	-43.3739	0	0.02205	-0.93713	523.8686
3173_3173	3173	3173	-550.883	43.37393	0	-0.02205	0.937125	-523.869

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3173_3174	3173	3174	581.8869	-35.7714	0	0.02205	-0.93713	716.4754
3174_3174	3174	3174	-581.89	12.71025	0.048825	-0.0756	0.937125	-716.49
3174_3175	3174	3175	587.6829	-7.00718	-0.04883	0.0756	-1.2285	752.4767
3175_3175	3175	3175	-587.683	7.007175	-0.01103	0.058275	1.2285	-752.477
3175_3176	3175	3176	590.1242	-1.3041	0.011025	-0.05828	-1.1592	767.6487
3176_3176	3176	3176	-590.124	1.3041	0.048825	-0.07875	1.1592	-767.649
3176_3177	3176	3177	589.2154	4.3974	-0.04883	0.07875	-1.45058	762.0039
3177_3177	3177	3177	-589.217	-4.3974	-0.01103	0.0567	1.450575	-762.004
3177_3178	3177	3178	584.9566	10.10048	0.011025	-0.0567	-1.38128	735.5423
3178_3178	3178	3178	-584.953	-33.2609	-0.01733	0.017325	1.381275	-735.544
3178_3179	3178	3179	555.9152	40.86338	0.017325	-0.01733	-1.24583	555.1607
3179_3179	3179	3179	-555.915	-40.8634	-0.01733	0.017325	1.245825	-555.161
3179_3180	3179	3180	520.9202	48.46748	0.017325	-0.01733	-1.11038	337.7698
3180_3180	3180	3180	-520.92	-48.4675	0.02835	-0.02835	1.110375	-337.77
3180_3181	3180	3181	479.9687	56.07	-0.02835	0.02835	-1.3356	83.37893
3181_3181	3181	3181	-479.903	-80.2967	-0.27878	0.001575	1.3356	-83.3459
3181_3182	3181	3182	416.2473	87.65348	0.278775	-0.00158	0.82215	-312.091
3182_3182	3182	3182	-416.25	-87.6535	-0.23153	0.045675	-0.82215	312.091
3182_3183	3182	3183	346.9268	95.01975	0.231525	-0.04568	2.616075	-742.737
3183_3183	3183	3183	-365.26	-95.1883	-0.27248	-0.04095	-2.94683	832.0788
3183_3184	3183	3184	274.4453	104.2335	0.272475	0.04095	5.54085	-1444.51
3184_3184	3184	3184	446.3314	199.7415	0.08505	-0.13545	0.2016	6036.84
3184_3185	3184	3185	-406.816	-185.996	-0.08505	0.11655	-1.2726	-4272.43
3185_3185	3185	3185	402.8614	188.0503	0.08505	-0.16065	1.26945	4272.429
3185_3186	3185	3186	-321.695	-174.883	-0.08505	0.1449	-2.33573	-2669.19
3186_3186	3186	3186	316.6727	149.7778	-0.01103	-0.11025	2.326275	2669.196
3186_3187	3186	3187	-207.042	-136.507	0.011025	0.111825	-2.19083	-1407.8
3187_3187	3187	3187	211.9887	137.5133	-0.00788	-0.14648	1.954575	1361.241
3187_3188	3187	3188	-75.9418	-126.123	0.007875	0.14805	-1.8522	-337.087
3188_3188	3188	3188	73.73048	101.8112	-0.07875	-0.16853	1.84905	337.0906
3188_3189	3188	3189	6.588225	-93.7676	0.07875	0.1701	-1.19543	170.4071
3189_3189	3189	3189	-8.0388	94.2354	-0.07088	-0.14175	1.0836	-170.078
3189_3190	3189	3190	130.9282	-80.7408	0.070875	0.14175	-0.10238	898.999
3190_3190	3190	3190	-130.938	61.24388	-0.02363	-0.1134	0.102375	-898.999
3190_3191	3190	3191	193.7345	50.4394	0.023625	0.1134	0.149625	1271.472
3191_3191	3191	3191	-193.734	-50.43938	-0.02363	-0.1134	-0.14963	-1271.47
3191_3192	3191	3192	244.3802	-39.6365	0.023625	0.1134	0.401625	1571.885
3192_3192	3192	3192	-244.377	21.546	-0.01575	-0.03465	-0.40163	-1571.86
3192_3193	3192	3193	261.4673	-11.6566	0.01575	0.03465	0.565425	1673.226
3193_3193	3193	3193	-261.467	11.65658	-0.01575	-0.03465	-0.56543	-1673.23
3193_3194	3193	3194	268.3769	-1.76558	0.01575	0.03465	0.729225	1714.205
3194_3194	3194	3194	-268.371	-14.5483	-0.02048	0.05355	-0.72923	-1714.18
3194_3195	3194	3195	248.3035	24.43928	0.020475	-0.05355	0.94185	1595.149
3195_3195	3195	3195	-248.303	-24.4393	-0.02048	0.05355	-0.94185	-1595.15
3195_3196	3195	3196	218.054	34.3287	0.020475	-0.05355	1.154475	1415.725
3196_3196	3196	3196	-218.068	-52.3719	0.0315	0.089775	-1.15448	-1415.7
3196_3197	3196	3197	153.164	63.16538	-0.0315	-0.08978	0.8001	1030.73
3197_3197	3197	3197	-153.164	-63.1654	0.033075	0.15435	-0.8001	-1030.73
3197_3198	3197	3198	76.05833	73.96988	-0.03308	-0.15435	0.429975	573.3693
3198_3198	3198	3198	-76.0678	-93.7661	0.0693	0.1512	-0.42998	-573.366
3198_3199	3198	3199	-65.2255	107.2701	-0.0693	-0.1512	-0.52605	-272.665
3199_3199	3199	3199	64.72463	-107.023	0.07245	0.2142	0.55755	260.7329
3199_3200	3199	3200	-153.159	115.0648	-0.07245	-0.21263	-1.16078	-820.169
3200_3200	3200	3200	155.6919	-139.832	-0.03938	0.126	1.16235	820.1609
3200_3201	3200	3201	-298.266	151.115	0.039375	-0.13073	-0.69773	-1893.82
3201_3201	3201	3201	281.6336	-150.255	-0.06143	0.240975	1.078875	2012.708
3201_3202	3201	3202	-388.168	164.4757	0.061425	-0.252	-0.26303	-3438.27
3202_3202	3202	3202	393.6807	-190.251	-0.13388	0.16695	0.263025	3438.267

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3202_3203	3202	3203	-469.974	204.3122	0.133875	-0.1953	1.40805	-5169.46
3203_3203	3203	3203	474.2876	-201.879	-0.13388	0.250425	-1.40333	5169.462
3203_3204	3203	3204	-508.843	216.5877	0.133875	-0.2835	3.079125	-7131.42
3204_3204	3204	3204	-278.134	115.931	0.433125	0.092925	-12.1779	1899.198
3204_3205	3204	3205	374.4799	-106.128	-0.43313	-0.09293	8.065575	-1222.67
3205_3205	3205	3205	-353.033	105.8621	0.322875	-0.15435	-6.95835	1073.09
3205_3206	3205	3206	427.5086	-97.8847	-0.32288	0.15435	4.4541	-581.362
3206_3206	3206	3206	-427.504	97.88468	0.389025	-0.07403	-4.4541	581.364
3206_3207	3206	3207	496.1455	-89.9089	-0.38903	0.074025	1.437975	-128.147
3207_3207	3207	3207	-496.067	63.5292	0.05985	0.0126	-1.43798	128.1971
3207_3208	3207	3208	540.9023	-55.2951	-0.05985	-0.0126	0.9576	167.8289
3208_3208	3208	3208	-540.902	55.2951	0.05985	0.0126	-0.9576	-167.829
3208_3209	3208	3209	579.4787	-47.072	-0.05985	-0.0126	0.483525	422.5347
3209_3209	3209	3209	-579.479	47.07203	0.124425	-0.0441	-0.48353	-422.535
3209_3210	3209	3210	611.8922	-38.8379	-0.12443	0.0441	-0.5103	636.5552
3210_3210	3210	3210	-611.884	12.81893	-0.02993	0.051975	0.5103	-636.59
3210_3211	3210	3211	617.3921	-6.64335	0.029925	-0.05198	-0.33075	672.955
3211_3211	3211	3211	-617.392	6.64335	-0.02993	0.051975	0.33075	-672.955
3211_3212	3211	3212	619.405	-0.46778	0.029925	-0.05198	-0.1512	686.2433
3212_3212	3212	3212	-619.403	0.467775	0.055125	-0.07088	0.1512	-686.243
3212_3213	3212	3213	617.9213	5.7078	-0.05513	0.070875	-0.48353	676.4546
3213_3213	3213	3213	-617.921	-5.7078	-0.02993	0.0504	0.483525	-676.455
3213_3214	3213	3214	612.9443	11.88338	0.029925	-0.0504	-0.30398	643.5875
3214_3214	3214	3214	-612.944	-37.9055	0.067725	-0.00945	0.303975	-643.58
3214_3215	3214	3215	581.2333	46.13963	-0.06773	0.00945	-0.8505	434.2055
3215_3215	3215	3215	-581.235	-46.1396	0.004725	0.048825	0.8505	-434.205
3215_3216	3215	3216	543.3089	54.37373	-0.00473	-0.04883	-0.88515	183.7994
3216_3216	3216	3216	-543.309	-54.3737	0.004725	0.048825	0.88515	-183.799
3216_3217	3216	3217	499.1695	62.60783	-0.00473	-0.04883	-0.9198	-107.631
3217_3217	3217	3217	-499.086	-88.9119	-0.30713	-0.063	0.9198	107.6355
3217_3218	3217	3218	431.172	96.8877	0.307125	0.063	1.45845	-556.043
3218_3218	3218	3218	-431.167	-96.8877	-0.37328	-0.1386	-1.45845	556.0412
3218_3219	3218	3219	357.4211	104.8651	0.373275	0.1386	4.35015	-1042.96
3219_3219	3219	3219	-370.402	-104.986	-0.1638	0.34965	-4.4226	1151.001
3219_3220	3219	3220	273.3932	114.764	0.1638	-0.34965	5.980275	-1793.87
3220_3220	3220	3220	517.608	222.7428	0.0945	-1.13085	0.75285	6939.203
3220_3221	3220	3221	-476.425	-208.114	-0.0945	1.10565	-1.92938	-4966.09
3221_3221	3221	3221	472.0275	210.6689	0.086625	1.0458	1.752975	4966.093
3221_3222	3221	3222	-386.233	-196.743	-0.08663	-1.0647	-2.835	-3220.25
3222_3222	3222	3222	380.635	171.2844	0.203175	-0.43155	2.924775	3220.128
3222_3223	3222	3223	-261.373	-157.213	-0.20318	0.39375	-5.62118	-1751.76
3223_3223	3223	3223	275.3462	158.0875	0.124425	0.34965	3.6225	1649.676
3223_3224	3223	3224	-120.387	-145.795	-0.12443	-0.36383	-5.08253	-578.455
3224_3224	3224	3224	117.7801	118.1219	-0.13703	0.026775	5.0904	578.457
3224_3225	3224	3225	-24.9228	-109.321	0.137025	-0.02363	-3.95483	-13.0631
3225_3225	3225	3225	24.4755	110.102	-0.15278	-0.03308	4.162725	14.00805
3225_3226	3225	3226	131.1928	-92.8526	0.152775	0.033075	-1.7388	979.9603
3226_3226	3226	3226	-131.209	68.98343	-0.01418	0.378	1.7388	-979.891
3226_3227	3226	3227	203.9594	-55.881	0.014175	-0.378	-1.5624	1444.412
3227_3227	3227	3227	-203.961	55.881	-0.02048	-0.34493	1.5624	-1444.41
3227_3228	3227	3228	261.4043	-42.7865	0.020475	0.344925	-1.30568	1811.201
3228_3228	3228	3228	-261.357	19.83555	-0.02048	0.584325	1.305675	-1810.88
3228_3229	3228	3229	276.8315	-6.741	0.020475	-0.58433	-1.0521	1909.681
3229_3229	3229	3229	-276.833	6.741	-0.02678	-0.36855	1.0521	-1909.68
3229_3230	3229	3230	277.0583	6.355125	0.026775	0.36855	-0.72135	1911.122
3230_3230	3230	3230	-277.06	-29.4478	0.11655	0.5229	0.72135	-1910.67
3230_3231	3230	3231	234.4372	42.72975	-0.11655	-0.5229	-2.1546	1638.512
3231_3231	3231	3231	-234.431	-42.7298	0.11025	-0.2898	2.1546	-1638.52

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3231_3232	3231	3232	176.1669	56.0007	-0.11025	0.2898	-3.50753	1266.491
3232_3232	3232	3232	-176.113	-81.7189	0.1008	0.130725	3.507525	-1266.2
3232_3233	3232	3233	111.2549	90.2034	-0.1008	-0.13073	-4.2966	852.0593
3233_3233	3233	3233	-111.253	-90.2034	0.099225	0.067725	4.2966	-852.059
3233_3234	3233	3234	43.59758	98.27685	-0.09923	-0.06773	-5.04	432.6638
3234_3234	3234	3234	-42.5171	-98.1761	0.149625	-0.1323	7.908075	-433.738
3234_3235	3234	3235	-44.5851	107.6859	-0.14963	0.137025	-9.23423	-145.459
3235_3235	3235	3235	46.52078	-132.21	-0.17325	-0.27248	9.2295	145.4363
3235_3236	3235	3236	-117.452	138.3921	0.17325	0.263025	-8.2089	-655.063
3236_3236	3236	3236	118.6826	-137.644	-0.1764	-0.2772	8.2089	655.0629
3236_3237	3236	3237	-178.506	143.5424	0.1764	0.266175	-7.27493	-1138.61
3237_3237	3237	3237	162.3463	-144.376	-0.2898	-0.27405	11.4723	1239.608
3237_3238	3237	3238	-245.432	156.0668	0.2898	0.23625	-8.59478	-2271.33
3238_3238	3238	3238	249.3981	-175.475	-0.48353	-1.24425	8.53335	2270.668
3238_3239	3238	3239	-324.554	187.8881	0.483525	1.160775	-3.55635	-3632.39
3239_3239	3239	3239	327.8961	-185.87	-0.49298	0.28035	3.66975	3632.39
3239_3240	3239	3240	-378.851	199.2769	0.492975	-0.3843	1.645875	-5192.94
3240_3240	3240	3240	384.2496	-221.097	-0.88043	0.69615	-1.61123	5191.713
3240_3241	3240	3241	-412.535	230.4005	0.880425	-0.83318	8.090775	-6392.45
3241_3241	3241	3241	-389.68	137.2487	-0.32445	-1.00485	-3.0744	1530.509
3241_3242	3241	3242	492.8175	-126.194	0.32445	1.00485	6.159825	-692.159
3242_3242	3242	3242	-483.037	126.041	-0.0063	-0.51503	-5.55345	644.9231
3242_3243	3242	3243	561.3631	-117.117	0.0063	0.515025	5.602275	-25.1118
3243_3243	3243	3243	-561.13	88.7796	-0.25043	0.124425	-5.60228	25.34333
3243_3244	3243	3244	627.6533	-77.7105	0.250425	-0.12443	7.986825	501.0658
3244_3244	3244	3244	-627.656	77.7105	-0.0756	-0.07088	-7.98683	-501.067
3244_3245	3244	3245	688.5758	-65.9626	0.0756	0.070875	8.749125	983.1418
3245_3245	3245	3245	-688.388	44.21813	-0.14805	0.51345	-8.74913	-982.742
3245_3246	3245	3246	720.4743	-32.6561	0.14805	-0.51345	10.21703	1236.643
3246_3246	3246	3246	-720.474	32.65605	0.174825	-0.37328	-10.217	-1236.64
3246_3247	3246	3247	742.4298	-21.4043	-0.17483	0.373275	8.53335	1410.386
3247_3247	3247	3247	-742.178	-4.6305	-0.2268	0.492975	-8.53335	-1410
3247_3248	3247	3248	734.4887	15.31058	0.2268	-0.49298	10.61708	1349.158
3248_3248	3248	3248	-734.492	-15.3106	0.042525	-0.31658	-10.6171	-1349.16
3248_3249	3248	3249	715.7714	27.44123	-0.04253	0.316575	10.17608	1201.019
3249_3249	3249	3249	-715.584	-48.7494	-0.21893	0.23625	-10.1761	-1200.73
3249_3250	3249	3250	668.6411	60.6375	0.218925	-0.23625	12.411	829.2785
3250_3250	3250	3250	-668.644	-60.6375	0.01575	-0.19688	-12.411	-829.278
3250_3251	3250	3251	616.4613	71.57273	-0.01575	0.196875	12.26925	416.3497
3251_3251	3251	3251	-616.694	-94.0763	1.0962	-0.06458	-12.2693	-416.29
3251_3252	3251	3252	546.8951	103.8461	-1.0962	0.064575	3.0618	-136.049
3252_3252	3252	3252	-546.865	-103.846	1.362375	0.01575	-3.0618	136.0485
3252_3253	3252	3253	469.9595	113.6426	-1.36238	-0.01575	-8.41838	-744.624
3253_3253	3253	3253	-470.275	-113.58	1.3797	0.2016	7.93485	746.1862
3253_3254	3253	3254	393.7185	122.4846	-1.3797	-0.2016	-18.5094	-1344.44
3254_3254	3254	3254	-393.352	-136.921	-0.47565	-5.8716	18.5094	1343.228
3254_3255	3254	3255	354.9924	140.7152	0.47565	5.8716	-16.958	-1659.43
3255_3255	3255	3255	417.1703	211.3351	-0.94343	0.7056	21.59483	6377.574
3255_3256	3255	3256	-389.887	-198.097	0.943425	-0.46305	-11.9275	-4767.81
3256_3256	3256	3256	383.9598	201.7607	-0.9513	2.5452	11.73218	4767.815
3256_3257	3256	3257	-337.51	-191.698	0.9513	-2.38928	-3.95325	-3615.31
3257_3257	3257	3257	333.3913	176.6048	-0.37643	-0.33863	4.150125	3614.625
3257_3258	3257	3258	-264.094	-164.743	0.376425	0.4032	-0.42525	-2408.36
3258_3258	3258	3258	261.5303	166.3436	-0.38273	0.492975	0.378	2408.363
3258_3259	3258	3259	-181.216	-156.249	0.382725	-0.44888	2.918475	-1443.4
3259_3259	3259	3259	200.833	154.9532	-0.2457	0.612675	-1.85535	1321.961
3259_3260	3259	3260	-162.045	-151.449	0.2457	-0.60323	2.634975	-1002.29
3260_3260	3260	3260	158.3615	117.1832	0.486675	-0.03938	-2.60348	999.3909

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3260_3261	3260	3261	-84.861	-108.25	-0.48668	0.00315	-1.04895	-447.668
3261_3261	3261	3261	83.38365	109.0955	0.483525	0.05355	1.047375	447.6685
3261_3262	3261	3262	9.6705	-97.828	-0.48353	-0.07245	-5.57393	163.3464
3262_3262	3262	3262	-11.8724	97.77443	0.3528	-0.00473	4.109175	-153.966
3262_3263	3262	3263	83.95065	-88.4678	-0.3528	0.004725	-6.81345	560.6559
3263_3263	3263	3263	-83.8514	61.83293	-0.14963	0.259875	6.81345	-560.59
3263_3264	3263	3264	146.4561	-48.143	0.149625	-0.25988	-5.12505	913.8245
3264_3264	3264	3264	-146.462	48.14303	-0.15278	0.0441	5.12505	-913.829
3264_3265	3264	3265	195.2654	-33.8263	0.152775	-0.0441	-3.3264	1189.193
3265_3265	3265	3265	-195.273	8.09235	-0.04725	0.351225	3.3264	-1189.14
3265_3266	3265	3266	196.4876	6.024375	0.04725	-0.35123	-2.77673	1195.992
3266_3266	3266	3266	-196.491	-6.02438	-0.05198	-0.06773	2.776725	-1196
3266_3267	3266	3267	181.5077	19.9143	0.051975	0.067725	-2.18768	1111.457
3267_3267	3267	3267	-181.508	-45.1427	0.051975	0.215775	2.187675	-1111.47
3267_3268	3267	3268	120.2796	59.24678	-0.05198	-0.21578	-2.78618	765.9997
3268_3268	3268	3268	-120.278	-59.2468	0.048825	0.017325	2.786175	-766.004
3268_3269	3268	3269	43.7409	73.14773	-0.04883	-0.01733	-3.34058	334.1552
3269_3269	3269	3269	-43.7504	-100.51	-0.05355	-0.09293	3.340575	-334.147
3269_3270	3269	3270	-89.3576	115.3388	0.05355	0.092925	-2.67908	-416.888
3270_3270	3270	3270	89.35448	-115.339	-0.05828	0.05355	2.679075	416.8899
3270_3271	3270	3271	-239.243	130.0289	0.058275	-0.05355	-1.97033	-1262.61
3271_3271	3271	3271	239.2835	-159.417	0.058275	-0.8316	1.970325	1262.748
3271_3272	3271	3272	-353.89	167.8383	-0.05828	0.8316	-2.37353	-2043.05
3272_3272	3272	3272	339.0896	-167.108	0.074025	-0.58748	3.179925	2224.185
3272_3273	3272	3273	-482.553	178.5263	-0.07403	0.58905	-3.8808	-3324.26
3273_3273	3273	3273	485.1488	-175.433	0.0693	0.3906	3.901275	3324.255
3273_3274	3273	3274	-590.06	185.4531	-0.0693	-0.3843	-4.47458	-4245.12
3274_3274	3274	3274	592.1669	-206.979	-1.16078	-1.31985	4.414725	4245.608
3274_3275	3274	3275	-621.983	209.842	1.160775	1.286775	-1.71518	-4582.8
3275_3275	3275	3275	559.8716	-211.582	-1.83488	-2.20028	2.6901	4994.554
3275_3276	3275	3276	-637.672	222.8121	1.834875	1.99395	13.20638	-6361.2
3276_3276	3276	3276	640.9211	-220.031	-1.84118	1.500975	-13.0442	6361.227
3276_3277	3276	3277	-689.007	231.7802	1.841175	-1.76243	29.07608	-7886.1
3277_3277	3277	3277	694.5482	-247.286	1.315125	-4.98488	-29.6006	7887.177
3277_3278	3277	3278	-728.891	262.2548	-1.31513	5.249475	15.88073	-9989.88
3278_3278	3278	3278	735.8951	-257.599	1.3104	-0.89618	-15.6335	9989.949
3278_3279	3278	3279	-730.8	272.223	-1.3104	1.1907	3.016125	-11963.1
3279_3279	3279	3279	-405.496	193.4037	0.600075	10.8108	6.2244	3470.814
3279_3280	3279	3280	471.9472	-188.186	-0.60008	-10.8108	-8.7003	-2875.75
3280_3280	3280	3280	-472.045	144.6386	-2.2491	-1.78133	8.7003	2876.26
3280_3281	3280	3281	546.5597	-136.702	2.2491	1.781325	5.410125	-2285.29
3281_3281	3281	3281	-507.331	136.4816	-1.70258	-0.17168	-4.84785	2143.339
3281_3282	3281	3282	616.0723	-124.29	1.702575	0.171675	21.28613	-1319.62
3282_3282	3282	3282	-616.11	124.2896	-1.41278	0.474075	-21.2861	1319.615
3282_3283	3282	3283	702.061	-113.731	1.412775	-0.47408	33.09548	-668.525
3283_3283	3283	3283	-816.143	89.88525	3.13425	-0.54968	-100.48	1201.659
3283_3284	3283	3284	887.9929	-79.1312	-3.13425	0.549675	61.73528	-444.267
3284_3284	3284	3284	-887.947	79.13115	4.276125	-0.08348	-61.7353	444.2713
3284_3285	3284	3285	948.5847	-68.7598	-4.27613	0.083475	10.73678	194.9441
3285_3285	3285	3285	-948.728	22.80915	-1.85063	0.17325	-10.7368	-194.954
3285_3286	3285	3286	963.1062	-12.5102	1.850625	-0.17325	32.65133	346.5205
3286_3286	3286	3286	-963.122	12.51023	-0.57803	-0.22995	-32.6513	-346.519
3286_3287	3286	3287	968.8376	-3.45083	0.578025	0.22995	38.66625	406.7737
3287_3287	3287	3287	-968.905	-24.7338	1.51515	-0.1449	-38.6663	-406.76
3287_3288	3287	3288	945.8773	34.55865	-1.51515	0.1449	21.55073	164.0095
3288_3288	3288	3288	-945.855	-34.5587	2.52315	-0.2961	-21.5507	-164.006
3288_3289	3288	3289	916.2878	44.07165	-2.52315	0.2961	-6.04958	-147.67
3289_3289	3289	3289	-916.426	-83.7648	-1.1655	-0.7497	6.049575	147.7019

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3289_3290	3289	3290	866.1508	91.03973	1.1655	0.7497	3.702825	-677.677
3290_3290	3290	3290	-866.157	-91.0397	-0.51818	-0.34808	-3.70283	677.6816
3290_3291	3290	3291	815.1098	97.87523	0.518175	0.348075	7.782075	-1215.79
3291_3291	3291	3291	-842.986	-97.9981	0.0756	0.3402	-7.92855	1277.705
3291_3292	3291	3292	789.1916	104.8635	-0.0756	-0.3402	7.328475	-1866.71
3292_3292	3292	3292	-789.206	-140.625	0.2835	1.053675	-7.32848	1866.759
3292_3293	3292	3293	765.2673	142.8116	-0.2835	-1.05368	6.615	-2171.44
3293_3293	3293	3293	456.0161	355.8949	1.015875	-6.42915	-10.9321	10069.11
3293_3294	3293	3294	-414.406	-347.158	-1.01588	6.304725	2.338875	-7625.55
3294_3294	3294	3294	403.945	349.8233	1.008	2.7468	-3.42878	7625.574
3294_3295	3294	3295	-313.987	-340.2	-1.008	-2.85863	-6.45908	-4974.8
3295_3295	3295	3295	304.4223	302.8646	-0.65835	-2.26013	6.868575	4975.087
3295_3296	3295	3296	-179.331	-292.635	0.65835	2.32155	0.3087	-2468.7
3296_3296	3296	3296	173.4044	293.6304	-0.66623	0.411075	-0.4788	2468.716
3296_3297	3296	3297	-54.2304	-286.099	0.666225	-0.38115	5.986575	-632.099
3297_3297	3297	3297	56.09993	284.1867	-0.45203	0.609525	-4.0383	585.9686
3297_3298	3297	3298	21.51923	-280.399	0.452025	-0.60323	5.989725	330.6587
3298_3298	3298	3298	-24.7574	235.7271	0.155925	0.45045	-5.97713	-330.633
3298_3299	3298	3299	148.784	-128.334	-0.15593	-0.45203	4.6935	1652.501
3299_3299	3299	3299	-149.505	228.249	0.152775	-0.1827	-4.69193	-1652.5
3299_3300	3299	3300	258.1079	-221.568	-0.15278	0.1827	3.55005	2812.569
3300_3300	3300	3300	-221.418	223.3382	0.231525	-1.9908	-5.43375	-3019.51
3300_3301	3300	3301	308.0684	-216.915	-0.23153	1.9908	3.791025	4172.295
3301_3301	3301	3301	-308.089	174.173	-0.03938	3.192525	-3.79103	-4172.48
3301_3302	3301	3302	420.9944	-163.253	0.039375	-3.19253	4.2651	5674.568
3302_3302	3302	3302	-420.996	163.2535	-0.04568	-3.12165	-4.2651	-5674.57
3302_3303	3302	3303	527.5463	-152.232	0.045675	3.12165	4.8258	7092.113
3303_3303	3303	3303	-527.568	110.1256	0.102375	3.920175	-4.8258	-7092.42
3303_3304	3303	3304	601.7193	-98.5273	-0.10238	-3.92018	3.51855	8078.926
3304_3304	3304	3304	-601.718	98.52728	0.096075	-3.21458	-3.51855	-8078.93
3304_3305	3304	3305	660.8952	-88.1843	-0.09608	3.214575	2.41605	8866.209
3305_3305	3305	3305	-660.92	49.11953	0.1386	5.655825	-2.41605	-8866.58
3305_3306	3305	3306	692.5401	-37.159	-0.1386	-5.65583	0.584325	9287.251
3306_3306	3306	3306	-692.54	37.15898	0.1323	-4.41158	-0.58433	-9287.26
3306_3307	3306	3307	712.215	-27.1782	-0.1323	4.411575	-0.87098	9549.027
3307_3307	3307	3307	-712.245	-9.94928	0.29295	5.9031	0.870975	-9549.49
3307_3308	3307	3308	701.3648	21.30818	-0.29295	-5.9031	-4.54545	9404.736
3308_3308	3308	3308	-701.363	-21.3082	0.28665	-3.30593	4.54545	-9404.75
3308_3309	3308	3309	684.1233	31.88588	-0.28665	3.305925	-7.89705	9175.391
3309_3309	3309	3309	-684.136	-69.2433	0.326025	5.561325	7.89705	-9175.64
3309_3310	3309	3310	635.0951	79.96905	-0.32603	-5.56133	-11.77	8523.204
3310_3310	3310	3310	-635.094	-79.9691	0.3213	-1.72935	11.76998	-8523.22
3310_3311	3310	3311	576.2531	91.18935	-0.3213	1.72935	-15.7547	7740.399
3311_3311	3311	3311	-576.261	-124.937	0.8568	4.799025	15.75473	-7740.72
3311_3312	3311	3312	488.7997	135.88	-0.8568	-4.79903	-26.1293	6577.137
3312_3312	3312	3312	-488.792	-135.88	0.8505	-1.23323	26.12925	-6577.16
3312_3313	3312	3313	393.572	146.8703	-0.8505	1.233225	-36.4786	5310.361
3313_3313	3313	3313	-393.626	-196.647	-0.76073	3.55635	36.47858	-5310.57
3313_3314	3313	3314	251.1275	208.1347	0.760725	-3.55635	-26.8097	3414.794
3314_3314	3314	3314	-251.138	-208.135	-0.76703	-0.16853	26.80965	-3414.81
3314_3315	3314	3315	101.2772	219.5692	0.767025	0.168525	-17.0998	1421.082
3315_3315	3315	3315	-101.176	-235.592	-2.09003	0.76545	17.09978	-1421.22
3315_3316	3315	3316	-7.28595	242.9879	2.090025	-0.76545	0	-21.7508
3400_3020	3400	3020	1008.655	-121.121	-36.1778	-0.38273	106.3172	-1974.57
3400_3401	3400	3401	-1008.66	121.1207	36.17775	0.382725	41.90288	1439.627
3401_3401	3401	3401	1007.496	-115.452	3.0492	1.037925	-38.8238	-1439.66
3401_3402	3401	3402	-1007.5	115.4522	-3.0492	-1.03793	28.18935	1037.026
3402_3402	3402	3402	1009.981	-91.2445	1.280475	-0.15278	-28.7028	-1037.01

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3402_3403	3402	3403	-1009.98	91.24448	-1.28048	0.152775	14.7294	40.761
3403_3403	3403	3403	1003.494	-59.3381	1.2411	-0.11813	-14.0569	-40.761
3403_3404	3403	3404	-1003.49	59.33813	-1.2411	0.118125	5.11245	-386.713
3404_3404	3404	3404	1004.589	-36.4124	0.44415	0.3087	-5.00535	386.7145
3404_3405	3404	3405	-1004.59	36.41243	-0.44415	-0.3087	1.7955	-649.5
3405_3405	3405	3405	1000.935	-0.69143	0.530775	0.011025	-2.03963	649.5001
3405_3406	3405	3406	-1000.93	0.691425	-0.53078	-0.01103	-5.61645	-659.46
3406_3406	3406	3406	998.9501	35.05635	-0.9576	-0.30398	5.51565	659.4667
3406_3407	3406	3407	-998.95	-35.0564	0.9576	0.303975	2.968875	-349.022
3407_3407	3407	3407	998.0318	55.29983	-2.87438	0.4095	-2.67435	349.0232
3407_3408	3407	3408	-998.032	-55.2998	2.874375	-0.4095	18.66375	-41.4603
3408_3408	3408	3408	989.7678	-153.959	6.055875	0.086625	-20.0104	41.4162
3408_3409	3408	3409	-989.768	153.9594	-6.05588	-0.08663	1.7325	-506.122
3409_3409	3409	3409	988.7189	150.3243	2.704275	0.10395	-1.77503	506.0113
3409_3410	3409	3410	-988.719	-150.324	-2.70428	-0.10395	-6.41183	-50.9654
3410_3410	3410	3410	1000.218	-60.2217	1.233225	-0.49613	5.19435	50.97015
3410_3411	3410	3411	-1000.22	60.2217	-1.23323	0.496125	-12.0393	-385.42
3411_3411	3411	3411	1001.273	-38.9009	-1.26945	0.193725	11.61563	385.4324
3411_3412	3411	3412	-1001.27	38.90093	1.26945	-0.19373	-0.3654	-730.203
3412_3412	3412	3412	1007.381	-3.35318	0.077175	-0.10553	-0.45045	730.2062
3412_3413	3412	3413	-1007.38	3.353175	-0.07718	0.105525	-0.66623	-778.534
3413_3413	3413	3413	1014.768	32.29853	0.9324	-0.66308	-0.37485	778.5414
3413_3414	3413	3414	-1014.77	-32.2985	-0.9324	0.663075	-6.35355	-545.566
3414_3414	3414	3414	1013.746	55.81958	-1.11195	0.310275	5.96925	545.5706
3414_3415	3414	3415	-1013.75	-55.8196	1.11195	-0.31028	2.04435	-143.234
3415_3415	3415	3415	1022.818	88.14803	0.952875	-0.07403	-2.97833	143.24
3415_3416	3415	3416	-1022.82	-88.148	-0.95288	0.074025	-7.4277	819.1953
3416_3416	3416	3416	1020.441	112.3605	0.615825	-0.52763	7.497	-819.194
3416_3417	3416	3417	-1020.44	-112.361	-0.61583	0.527625	-9.6453	1210.605
3417_3417	3417	3417	1021.86	118.9724	14.68688	0.001575	9.199575	-1210.62
3417_3036	3417	3036	-1021.86	-118.972	-14.6869	-0.00158	-69.4433	1715.606
3420_3056	3420	3056	854.6958	-110.463	-30.5172	-0.26618	113.8111	-1922.41
3420_3421	3420	3421	-854.696	110.4626	30.5172	0.266175	11.12423	1451.14
3421_3421	3421	3421	853.4736	-105.66	0.568575	0.4725	-9.48938	-1451.14
3421_3422	3421	3422	-853.474	105.6605	-0.56858	-0.4725	7.504875	1082.805
3422_3422	3422	3422	855.7416	-85.3776	0.1134	0.0567	-7.66553	-1082.8
3422_3423	3422	3423	-855.742	85.3776	-0.1134	-0.0567	6.430725	150.1117
3423_3423	3423	3423	848.7959	-58.0829	0.8694	0.007875	-6.08265	-150.113
3423_3424	3423	3424	-848.796	58.08285	-0.8694	-0.00788	-0.18585	-268.232
3424_3424	3424	3424	849.9015	-38.6946	0.0252	0.275625	0.28035	268.232
3424_3425	3424	3425	-849.902	38.6946	-0.0252	-0.27563	-0.46305	-547.442
3425_3425	3425	3425	845.8774	-8.72708	0.189	0.080325	0.41895	547.4432
3425_3426	3425	3426	-845.877	8.727075	-0.189	-0.08033	-3.1374	-673.254
3426_3426	3426	3426	843.3243	21.76178	-0.53078	-0.08663	3.186225	673.259
3426_3427	3426	3427	-843.324	-21.7618	0.530775	0.086625	1.507275	-480.644
3427_3427	3427	3427	842.7038	38.96393	-1.08045	0.252	-1.36868	480.6459
3427_3428	3427	3428	-842.704	-38.9639	1.08045	-0.252	7.369425	-264.102
3428_3428	3428	3428	833.3703	-138.386	-0.6741	-0.45833	-7.38045	264.107
3428_3429	3428	3429	-833.37	138.3858	0.6741	0.458325	9.420075	-683.181
3429_3429	3429	3429	833.7719	138.9308	1.38285	0.5859	-9.45158	683.7831
3429_3430	3429	3430	-833.772	-138.931	-1.38285	-0.5859	5.277825	-264.328
3430_3430	3430	3430	844.6757	-38.1481	-0.0882	0.3339	-5.53298	264.3197
3430_3431	3430	3431	-844.676	38.14808	0.0882	-0.3339	6.018075	-476.307
3431_3431	3431	3431	845.2883	-20.5097	0.987525	-0.1386	-5.75033	476.3099
3431_3432	3431	3432	-845.288	20.50965	-0.98753	0.1386	-2.9988	-658.019
3432_3432	3432	3432	849.418	9.6579	-0.06458	0.00315	2.540475	658.0287
3432_3433	3432	3433	-849.418	-9.6579	0.064575	-0.00315	-1.6002	-518.837
3433_3433	3433	3433	854.8738	39.7215	-0.58433	0.017325	1.359225	518.8523

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3433_3434	3433	3434	-854.874	-39.7215	0.584325	-0.01733	2.855475	-232.353
3434_3434	3434	3434	853.7193	59.59485	0.22995	-0.14333	-2.77988	232.355
3434_3435	3434	3435	-853.719	-59.5949	-0.22995	0.143325	1.11825	197.2719
3435_3435	3435	3435	861.7487	86.75258	-1.37498	0.3213	-1.4238	-197.289
3435_3436	3435	3436	-861.749	-86.7526	1.374975	-0.3213	16.43985	1144.469
3436_3436	3436	3436	859.3673	107.793	-2.92478	-1.4112	-15.8587	-1144.48
3436_3437	3436	3437	-859.367	-107.793	2.924775	1.4112	26.07728	1521.025
3437_3437	3437	3437	861.262	111.4706	21.63263	0.042525	-27.8366	-1521.08
3437_3072	3437	3072	-861.262	-111.471	-21.6326	-0.04253	-60.6611	1996.878
3440_3094	3440	3094	923.6871	-103.942	-28.5107	-0.22365	93.6054	-1498.39
3440_3441	3440	3441	-923.687	103.9421	28.51065	0.22365	23.1903	1072.588
3441_3441	3441	3441	921.8507	-99.1242	1.397025	-0.12285	-20.6073	-1072.61
3441_3442	3441	3442	-921.851	99.1242	-1.39703	0.12285	15.7311	726.7097
3442_3442	3442	3442	923.9832	-76.7482	1.340325	0.212625	-15.7437	-726.71
3442_3443	3442	3443	-923.983	76.74818	-1.34033	-0.21263	1.1088	-111.011
3443_3443	3443	3443	916.9839	-47.8343	-0.00788	0.14805	-0.31815	111.0107
3443_3444	3443	3444	-916.984	47.83433	0.007875	-0.14805	0.370125	-455.874
3444_3444	3444	3444	917.8486	-26.5151	0.16695	0.0693	-0.3969	455.8743
3444_3445	3444	3445	-917.849	26.51513	-0.16695	-0.0693	-0.81113	-647.149
3445_3445	3445	3445	913.5158	5.838525	0.0441	0.0315	1.4112	647.1439
3445_3446	3445	3446	-913.516	-5.83853	-0.0441	-0.0315	-2.0538	-562.984
3446_3446	3446	3446	910.3374	38.4741	0.121275	0.105525	2.770425	562.9869
3446_3447	3446	3447	-910.337	-38.4741	-0.12128	-0.10553	-3.84615	-222.253
3447_3447	3447	3447	909.353	57.1725	1.066275	-0.19845	3.743775	222.2546
3447_3448	3447	3448	-909.353	-57.1725	-1.06628	0.19845	-9.67208	95.56313
3448_3448	3448	3448	902.3663	-134.195	-4.4289	1.93725	10.65645	-95.5757
3448_3449	3448	3449	-902.366	134.1947	4.4289	-1.93725	2.7342	-310.193
3449_3449	3449	3449	902.3648	133.1489	4.26195	-1.96245	-2.7279	310.286
3449_3450	3449	3450	-902.365	-133.149	-4.26195	1.96245	-10.1225	91.13265
3450_3450	3450	3450	910.0067	-57.5568	-0.71978	0.09765	9.17595	-91.1232
3450_3451	3450	3451	-910.007	57.5568	0.719775	-0.09765	-5.17545	-228.879
3451_3451	3451	3451	910.9973	-38.8332	-0.43313	-0.08033	5.20695	228.879
3451_3452	3451	3452	-910.997	38.8332	0.433125	0.080325	-1.36868	-572.867
3452_3452	3452	3452	915.1648	-6.25433	0.029925	-0.05513	0.82845	572.8685
3452_3453	3452	3453	-915.165	6.254325	-0.02993	0.055125	-1.26	-663.017
3453_3453	3453	3453	920.3198	26.09618	-0.0126	-0.17168	0.584325	663.0199
3453_3454	3453	3454	-920.32	-26.0962	0.0126	0.171675	-0.49298	-474.765
3454_3454	3454	3454	919.4645	47.47208	-0.19688	-0.08505	0.45675	474.7649
3454_3455	3454	3455	-919.465	-47.4721	0.196875	0.08505	0.962325	-132.503
3455_3455	3455	3455	927.0781	76.44735	-0.28665	-0.02205	-1.7325	132.4859
3455_3456	3455	3456	-927.078	-76.4474	0.28665	0.02205	4.862025	701.9114
3456_3456	3456	3456	924.9518	98.89268	-1.1466	-0.57645	-4.6809	-701.911
3456_3457	3456	3457	-924.952	-98.8927	1.1466	0.57645	8.68455	1046.975
3457_3457	3457	3457	927.0466	103.6445	24.81255	0.19215	-10.7305	-1046.97
3457_3110	3457	3110	-927.047	-103.644	-24.8126	-0.19215	-90.9043	1486.235
3460_3132	3460	3132	847.9895	-142.531	-35.1209	-0.34965	157.7	-2137.6
3460_3461	3460	3461	-847.989	142.5312	35.12093	0.34965	14.46165	1376.654
3461_3461	3461	3461	851.5805	-102.044	-0.92453	-0.83003	-10.6785	-1376.66
3461_3462	3461	3462	-851.58	102.0443	0.924525	0.830025	13.90253	1020.717
3462_3462	3462	3462	853.7839	-81.5834	-0.1638	0.439425	-13.6442	-1020.72
3462_3463	3462	3463	-853.784	81.58343	0.1638	-0.43943	15.43658	129.8021
3463_3463	3463	3463	850.4134	-56.6244	0.90405	0.042525	-13.8002	-129.875
3463_3464	3463	3464	-850.413	56.6244	-0.90405	-0.04253	7.2891	-278.254
3464_3464	3464	3464	851.5001	-36.844	0.987525	0.184275	-7.29698	278.2537
3464_3465	3464	3465	-851.5	36.84398	-0.98753	-0.18428	0.1701	-543.964
3465_3465	3465	3465	852.2183	-8.43255	0.118125	0.01575	-0.78278	543.9751
3465_3466	3465	3466	-852.218	8.43255	-0.11813	-0.01575	-0.90878	-665.485
3466_3466	3466	3466	854.7966	20.2293	0.06615	-0.0567	0.401625	665.4722

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3466_3467	3466	3467	-854.797	-20.2293	-0.06615	0.0567	-0.9891	-486.341
3467_3467	3467	3467	854.1997	37.80315	-0.06773	-0.00315	1.022175	486.3411
3467_3468	3467	3468	-854.2	-37.8032	0.067725	0.00315	-0.6489	-276.233
3468_3468	3468	3468	849.733	-145.161	1.94355	-0.03623	0.3087	276.2345
3468_3469	3468	3469	-849.733	145.1615	-1.94355	0.036225	-6.1866	-715.108
3469_3469	3469	3469	852.6137	145.6812	0.0819	-0.02205	-5.01165	723.6338
3469_3470	3469	3470	-852.614	-145.681	-0.0819	0.02205	4.7628	-283.21
3470_3470	3470	3470	857.8521	-37.8583	0.307125	-0.01575	-4.33913	283.2354
3470_3471	3470	3471	-857.852	37.85828	-0.30713	0.01575	2.634975	-493.654
3471_3471	3471	3471	858.449	-20.2104	0.441	-0.03623	-2.6019	493.6538
3471_3472	3471	3472	-858.449	20.2104	-0.441	0.036225	-1.2978	-672.616
3472_3472	3472	3472	857.2237	9.149175	-0.0819	-0.07245	1.40805	672.6164
3472_3473	3472	3473	-857.224	-9.14918	0.0819	0.07245	-0.23468	-540.698
3473_3473	3473	3473	858.0506	38.51978	-0.15278	-0.17168	-0.1512	540.6975
3473_3474	3473	3474	-858.051	-38.5198	0.152775	0.171675	1.248975	-262.891
3474_3474	3474	3474	856.9244	58.4514	-0.2457	-0.1134	-1.26158	262.8911
3474_3475	3474	3475	-856.924	-58.4514	0.2457	0.1134	3.038175	158.4182
3475_3475	3475	3475	860.6666	85.4784	0.083475	-0.79538	-3.95483	-158.426
3475_3476	3475	3476	-860.667	-85.4784	-0.08348	0.795375	3.03975	1091.992
3476_3476	3476	3476	858.364	106.1109	2.118375	1.953	-3.7737	-1091.99
3476_3477	3476	3477	-858.364	-106.111	-2.11838	-1.953	-3.61463	1462.17
3477_3477	3477	3477	859.5279	110.6138	27.9027	0.395325	2.74365	-1462.14
3477_3148	3477	3148	-859.528	-110.614	-27.9027	-0.39533	-117.008	1915.12
3480_3168	3480	3168	862.9441	-120.5	-25.2835	-0.27878	95.82458	-2272.36
3480_3481	3480	3481	-862.944	120.5001	25.28348	0.278775	7.719075	1778.881
3481_3481	3481	3481	861.2982	-115.837	-0.58905	-1.39388	-7.2198	-1778.82
3481_3482	3481	3482	-861.298	115.8365	0.58905	1.393875	9.275175	1374.729
3482_3482	3482	3482	863.8277	-95.1458	0.521325	0.656775	-8.77118	-1374.73
3482_3483	3482	3483	-863.828	95.14575	-0.52133	-0.65678	3.07755	335.579
3483_3483	3483	3483	861.6431	-67.9833	0.118125	0.130725	-2.73105	-335.598
3483_3484	3483	3484	-861.643	67.9833	-0.11813	-0.13073	1.882125	-154.415
3484_3484	3484	3484	863.0118	-47.5414	0.231525	0.15435	-1.88528	154.4146
3484_3485	3484	3485	-863.012	47.54138	-0.23153	-0.15435	0.222075	-496.829
3485_3485	3485	3485	864.3789	-18.3803	0.121275	0.055125	-0.3843	496.818
3485_3486	3485	3486	-864.379	18.38025	-0.12128	-0.05513	-1.35608	-761.857
3486_3486	3486	3486	868.2329	11.13368	-0.49928	-0.07718	0.6615	761.8496
3486_3487	3486	3487	-868.233	-11.1337	0.499275	0.077175	3.759525	-663.264
3487_3487	3487	3487	867.8203	28.98473	-0.63315	0.1008	-3.71228	663.264
3487_3488	3487	3488	-867.82	-28.9847	0.63315	-0.1008	7.237125	-502.165
3488_3488	3488	3488	862.6133	-156.979	1.579725	-1.3797	-8.09078	502.1683
3488_3489	3488	3489	-862.613	156.9787	-1.57973	1.3797	3.312225	-976.766
3489_3489	3489	3489	866.4626	158.1253	-0.01575	1.28205	-7.96005	987.881
3489_3490	3489	3490	-866.463	-158.125	0.01575	-1.28205	8.0073	-509.812
3490_3490	3490	3490	872.276	-28.6839	0.63945	-0.02678	-7.5852	509.8023
3490_3491	3490	3491	-872.276	28.6839	-0.63945	0.026775	4.02885	-669.232
3491_3491	3491	3491	872.6807	-10.7415	0.7749	-0.04725	-3.98475	669.2317
3491_3492	3491	3492	-872.681	10.7415	-0.7749	0.04725	-2.88068	-764.346
3492_3492	3492	3492	869.5292	18.98663	-0.2835	-0.11183	3.359475	764.3412
3492_3493	3492	3493	-869.529	-18.9866	0.2835	0.111825	0.73395	-490.559
3493_3493	3493	3493	868.8818	48.6864	-0.35595	-0.22208	-0.40793	490.5653
3493_3494	3493	3494	-868.882	-48.6864	0.35595	0.222075	2.978325	-139.443
3494_3494	3494	3494	867.5462	68.49203	-0.43313	-0.14175	-2.98778	139.4426
3494_3495	3494	3495	-867.546	-68.492	0.433125	0.14175	6.099975	353.5875
3495_3495	3495	3495	870.5813	96.2325	0.59535	0.29925	-6.72998	-353.57
3495_3496	3495	3496	-870.581	-96.2325	-0.59535	-0.29925	0.228375	1404.59
3496_3496	3496	3496	868.0219	117.0839	-0.52448	-1.57343	0.28035	-1404.59
3496_3497	3496	3497	-868.022	-117.084	0.524475	1.573425	1.54665	1813.034
3497_3497	3497	3497	868.718	122.0468	28.27598	0.46305	-2.98148	-1812.99

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3497_3184	3497	3184	-868.718	-122.047	-28.276	-0.46305	-112.809	2359.046
3500_3204	3500	3204	963.8906	-128.024	-35.4013	-0.71348	136.3824	-2299.97
3500_3501	3500	3501	-963.891	128.0239	35.40128	0.713475	8.591625	1752.928
3501_3501	3501	3501	962.4368	-122.982	0.88515	1.768725	-5.27625	-1752.96
3501_3502	3501	3502	-962.437	122.9823	-0.88515	-1.76873	2.187675	1323.925
3502_3502	3502	3502	965.1112	-99.8519	-0.5355	-0.19058	-2.7342	-1323.92
3502_3503	3502	3503	-965.111	99.85185	0.5355	0.190575	8.585325	233.3678
3503_3503	3503	3503	957.7433	-69.3583	0.836325	0.07875	-7.33163	-233.361
3503_3504	3503	3504	-957.743	69.35828	-0.83633	-0.07875	1.30725	-266.556
3504_3504	3504	3504	959.0978	-47.0736	-0.3654	0.448875	-1.1844	266.5562
3504_3505	3504	3505	-959.098	47.0736	0.3654	-0.44888	3.8241	-606.04
3505_3505	3505	3505	954.1807	-13.219	0.124425	0.143325	-3.46185	606.0474
3505_3506	3505	3506	-954.181	13.21898	-0.12443	-0.14333	1.671075	-796.523
3506_3506	3506	3506	950.7724	20.84513	1.157625	0.0882	-1.2348	796.5169
3506_3507	3506	3507	-950.772	-20.8451	-1.15763	-0.0882	-9.0216	-611.936
3507_3507	3507	3507	950.1424	40.39245	1.009575	-0.00473	9.064125	611.9363
3507_3508	3507	3508	-950.142	-40.3925	-1.00958	0.004725	-14.6774	-387.437
3508_3508	3508	3508	937.3219	-158.725	-1.37183	1.702575	15.51848	387.4311
3508_3509	3508	3509	-937.322	158.7254	1.371825	-1.70258	-11.3699	-867.315
3509_3509	3509	3509	937.3613	158.9852	-3.20513	-1.9593	11.4282	867.1682
3509_3510	3509	3510	-937.361	-158.985	3.205125	1.9593	-1.73723	-386.527
3510_3510	3510	3510	950.6306	-40.2476	-0.12758	0	2.3058	386.568
3510_3511	3510	3511	-950.631	40.24755	0.127575	0	-1.5939	-610.268
3511_3511	3511	3511	951.2559	-20.6908	0.020475	-0.12758	1.63485	610.2684
3511_3512	3511	3512	-951.256	20.69078	-0.02048	0.127575	-1.81283	-793.49
3512_3512	3512	3512	955.2281	13.59383	-0.09293	-0.1638	1.9971	793.4992
3512_3513	3512	3513	-955.228	-13.5938	0.092925	0.1638	-0.66623	-597.483
3513_3513	3513	3513	960.6272	47.17125	-0.57803	-0.26303	0.4473	597.4794
3513_3514	3513	3514	-960.627	-47.1713	0.578025	0.263025	3.715425	-257.281
3514_3514	3514	3514	959.2711	69.48428	-0.68198	-0.14805	-3.7296	257.281
3514_3515	3514	3515	-959.271	-69.4843	0.681975	0.14805	8.648325	243.5517
3515_3515	3515	3515	967.1067	100.1117	1.19385	0.06615	-9.42008	-243.552
3515_3516	3515	3516	-967.107	-100.112	-1.19385	-0.06615	-3.61778	1336.923
3516_3516	3516	3516	964.4276	123.2816	0.8064	-0.57645	3.7674	-1336.92
3516_3517	3516	3517	-964.428	-123.282	-0.8064	0.57645	-6.58035	1766.986
3517_3517	3517	3517	964.7348	127.616	25.87253	0.46305	7.706475	-1766.83
3517_3220	3517	3220	-964.735	-127.616	-25.8725	-0.46305	-113.402	2288.166
3520_3241	3520	3241	980.0075	-154.621	-4.74233	0.74025	-50.9182	-3169.75
3520_3521	3520	3521	-980.008	154.6209	4.742325	-0.74025	70.32375	2537.122
3521_3521	3521	3521	976.7268	-149.064	7.788375	4.00365	-70.7648	-2535.59
3521_3522	3521	3522	-976.727	149.0643	-7.78838	-4.00365	43.63223	2016.219
3522_3522	3522	3522	979.9997	-125.882	5.42745	-0.01103	-45.0025	-2016.19
3522_3523	3522	3523	-980	125.8819	-5.42745	0.011025	-14.2648	641.4959
3523_3523	3523	3523	975.5755	-91.8572	0.41895	0.480375	12.4803	-641.069
3523_3524	3523	3524	-975.575	91.85715	-0.41895	-0.48038	-15.5059	-21.3003
3524_3524	3524	3524	977.4702	-68.7834	-2.72948	0.184275	15.53738	21.2814
3524_3525	3524	3525	-977.47	68.7834	2.729475	-0.18428	4.134375	-517
3525_3525	3525	3525	971.8569	-32.6655	-0.38588	-0.11813	-4.84943	516.6457
3525_3526	3525	3526	-971.857	32.6655	0.385875	0.118125	10.40603	-987.679
3526_3526	3526	3526	966.2672	3.15	1.337175	-1.19858	-10.058	986.6493
3526_3527	3526	3527	-966.267	-3.15	-1.33718	1.198575	-1.77975	-958.761
3527_3527	3527	3527	965.9869	23.49428	-1.0521	1.1088	2.83185	958.7576
3527_3528	3527	3528	-965.987	-23.4943	1.0521	-1.1088	3.012975	-828.308
3528_3528	3528	3528	946.553	-178.974	0.281925	-1.37498	-3.06653	828.0893
3528_3529	3528	3529	-946.553	178.9736	-0.28193	1.374975	2.212875	-1370.55
3529_3529	3529	3529	946.1639	176.1496	-2.6775	0.1827	-1.9467	1370.442
3529_3530	3529	3530	-946.164	-176.15	2.6775	-0.1827	10.04063	-838.13
3530_3530	3530	3530	961.5328	-24.9559	4.206825	-1.95143	-9.37598	838.2071

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3530_3531	3530	3531	-961.533	24.95588	-4.20683	1.951425	-13.986	-976.79
3531_3531	3531	3531	961.8525	-4.56435	1.82385	0.16695	12.89138	976.8071
3531_3532	3531	3532	-961.853	4.56435	-1.82385	-0.16695	-29.054	-1017.25
3532_3532	3532	3532	964.7096	29.12333	-0.2268	-0.65993	27.66803	1016.667
3532_3533	3532	3533	-964.71	-29.1233	0.2268	0.659925	-24.392	-596.868
3533_3533	3533	3533	968.1714	62.118	-0.78593	-0.27878	23.6376	596.7738
3533_3534	3533	3534	-968.171	-62.118	0.785925	0.278775	-17.9692	-149.086
3534_3534	3534	3534	966.4247	85.0626	-1.4049	-0.60638	17.92665	149.0911
3534_3535	3534	3535	-966.425	-85.0626	1.4049	0.606375	-7.79153	464.4581
3535_3535	3535	3535	968.3714	115.2947	5.646375	2.32785	8.62155	-463.554
3535_3536	3535	3536	-968.371	-115.295	-5.64638	-2.32785	-70.2371	1721.869
3536_3536	3536	3536	965.264	139.0316	1.951425	-6.2496	72.10193	-1721.78
3536_3537	3536	3537	-965.264	-139.032	-1.95143	6.2496	-78.9185	2207.438
3537_3537	3537	3537	955.1115	207.092	-5.14238	-1.29623	81.5976	-2205.54
3537_3255	3537	3255	-955.112	-207.092	5.142375	1.296225	-53.3941	3374.654
3540_3279	3540	3279	1382.631	-226.373	8.260875	10.40603	-106.637	-2899.49
3540_3541	3540	3541	-1382.63	226.3732	-8.26088	-10.406	65.54048	1716.465
3541_3541	3541	3541	1391.327	-155.364	7.593075	1.45845	-65.7358	-1720.97
3541_3542	3541	3542	-1391.33	155.3643	-7.59308	-1.45845	39.2868	1179.757
3542_3542	3542	3542	1394.609	-122.56	5.4999	0.565425	-39.7735	-1179.74
3542_3543	3542	3543	-1394.61	122.5602	-5.4999	-0.56543	-20.3144	-159.113
3543_3543	3543	3543	1393.347	-77.972	-1.1655	-0.54023	18.05895	158.382
3543_3544	3543	3544	-1393.35	77.97195	1.1655	0.540225	-9.6642	-720.115
3544_3544	3544	3544	1394.781	-45.5978	-2.772	0.074025	9.94455	720.1121
3544_3545	3544	3545	-1394.78	45.59783	2.772	-0.07403	10.03433	-1048.84
3545_3545	3545	3545	1386.252	1.671075	-0.40163	-0.55283	-10.1115	1046.767
3545_3546	3545	3546	-1386.25	-1.67108	0.401625	0.552825	15.9138	-1022.66
3546_3546	3546	3546	1376.597	49.34318	5.069925	-0.70403	-15.7122	1021.065
3546_3547	3546	3547	-1376.6	-49.3432	-5.06993	0.704025	-29.2037	-583.868
3547_3547	3547	3547	1375.222	78.99885	1.7136	0.055125	29.82105	583.8383
3547_3548	3547	3548	-1375.22	-78.9989	-1.7136	-0.05513	-39.3309	-145.459
3548_3548	3548	3548	1360.595	-210.751	-4.13123	3.5721	40.27118	143.6353
3548_3549	3548	3549	-1360.6	210.7508	4.131225	-3.5721	-27.7531	-782.336
3549_3549	3549	3549	1366.235	209.0419	-2.4885	-4.38165	28.05233	785.1139
3549_3550	3549	3550	-1366.24	-209.042	2.4885	4.38165	-20.6467	-163.052
3550_3550	3550	3550	1377.126	-88.1717	4.953375	-1.3104	20.39783	162.5778
3550_3551	3550	3551	-1377.13	88.17165	-4.95338	1.3104	-48.4391	-661.736
3551_3551	3551	3551	1378.783	-56.8402	0.33075	-0.2331	47.41223	661.8119
3551_3552	3551	3552	-1378.78	56.84018	-0.33075	0.2331	-50.2	-1140.36
3552_3552	3552	3552	1382.423	-0.08663	-0.18585	-1.19543	48.79193	1139.935
3552_3553	3552	3553	-1382.42	0.086625	0.18585	1.195425	-46.1648	-1141.15
3553_3553	3553	3553	1385.839	53.1531	-1.62068	-1.6821	44.2575	1140.628
3553_3554	3553	3554	-1385.84	-53.1531	1.620675	1.6821	-32.8466	-766.567
3554_3554	3554	3554	1383.995	88.91978	-5.10773	-0.55598	32.1363	766.5982
3554_3555	3554	3555	-1384	-88.9198	5.107725	0.555975	3.838275	-140.356
3555_3555	3555	3555	1385.753	140.909	-3.80363	-0.38903	-4.8888	140.3703
3555_3556	3555	3556	-1385.75	-140.909	3.803625	0.389025	45.40725	1360.567
3556_3556	3556	3556	1381.324	179.2067	-3.20198	1.482075	-45.5616	-1360.56
3556_3557	3556	3557	-1381.32	-179.207	3.201975	-1.48208	56.52675	1974.302
3557_3557	3557	3557	1367.423	240.9104	5.09985	2.083725	-55.4069	-1971.6
3557_3293	3557	3293	-1367.42	-240.91	-5.09985	-2.08373	22.39335	3601.762
43000_3000	43000	3000	3.33795	202.2786	8.519438	1.490475	0	15.88073
43000_3001	43000	3001	-3.33795	-186.913	-8.51944	-1.49048	-127.078	2886.852
43001_3001	43001	3001	3.3495	186.9129	8.516288	-1.91284	127.0784	-2886.85
43001_3002	43001	3002	-3.3495	-176.204	-8.51629	1.912838	-215.61	4774.473
43002_3002	43002	3002	3.19305	142.7577	-9.95453	4.677225	215.6104	-4774.55
43002_3003	43002	3003	-3.19305	-130.233	9.954525	-4.67723	-94.5536	6434.408
43003_3003	43003	3003	3.1773	130.2331	-9.96056	-6.48848	94.55355	-6434.41

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43003_3004	43003	3004	-3.1773	-117.701	9.960563	6.488475	26.64375	7942.813
43004_3004	43004	3004	3.270225	91.92225	1.660313	2.243063	-26.6438	-7943.02
43004_3005	43004	3005	-3.27023	-79.3916	-1.66031	-2.24306	6.431775	8985.058
43005_3005	43005	3005	3.270225	79.39155	1.658738	-6.00311	-6.43178	-8985.05
43005_3006	43005	3006	-3.27023	-66.8514	-1.65874	6.003113	-13.7592	9875.232
43006_3006	43006	3006	3.257888	41.59234	-0.08899	7.558688	13.7592	-9875.41
43006_3007	43006	3007	-3.25789	-29.0632	0.088988	-7.55869	-12.684	10305.1
43007_3007	43007	3007	3.256575	29.06321	-0.09371	-10.2918	12.684	-10305.1
43007_3008	43007	3008	-3.25658	-16.5278	0.093713	10.29184	-11.5429	10582.53
43008_3008	43008	3008	3.266288	-8.61263	0.84525	2.879888	11.54291	-10582.8
43008_3009	43008	3009	-3.26629	21.14621	-0.84525	-2.87989	-21.8245	10401.74
43009_3009	43009	3009	3.266288	-21.1462	0.8421	-5.60674	21.82451	-10401.7
43009_3010	43009	3010	-3.26629	33.67875	-0.8421	5.606738	-32.0738	10068.22
43010_3010	43010	3010	3.261825	-58.3375	0.100275	6.76095	32.07383	-10068.4
43010_3011	43010	3011	-3.26183	70.86844	-0.10028	-6.76095	-33.2984	9282.471
43011_3011	43011	3011	3.261825	-70.8684	0.094238	-8.39659	33.29839	-9282.47
43011_3012	43011	3012	-3.26183	83.39599	-0.09424	8.396588	-34.4571	8344.297
43012_3012	43012	3012	3.250013	-108.033	-1.21301	2.128088	34.45706	-8344.51
43012_3013	43012	3013	-3.25001	120.5715	1.213013	-2.12809	-19.7006	6953.365
43013_3013	43013	3013	3.250013	-120.572	-1.2159	-3.54821	19.70063	-6953.37
43013_3014	43013	3014	-3.25001	133.1056	1.2159	3.548213	-4.9119	5409.794
43014_3014	43014	3014	3.293588	-152.197	3.810188	2.313413	4.9119	-5409.9
43014_3015	43014	3015	-3.29359	169.1474	-3.81019	-2.31341	-67.6132	2765.966
43015_3015	43015	3015	4.782488	-169.112	3.807038	-4.29634	67.57669	-2764.13
43015_3016	43015	3016	-4.85651	177.6012	-3.80704	4.296338	-98.9423	1335.361
43016_3016	43016	3016	8.076863	-214.656	-1.55059	-0.59955	88.39058	-182.981
43016_3017	43016	3017	-8.38084	226.5569	1.550588	0.59955	-70.1544	-2555.08
43017_3017	43017	3017	13.92353	-226.284	-1.55505	0.386663	70.25576	2554.804
43017_3018	43017	3018	-14.5961	239.7019	1.55505	-0.38666	-49.6346	-5666.15
43018_3018	43018	3018	22.90811	-269.921	-0.53104	-7.24841	49.14788	5666.133
43018_3019	43018	3019	-23.8626	282.5836	0.531038	7.248413	-42.4883	-9144.17
43019_3019	43019	3019	31.25378	-281.86	-0.53419	5.8275	43.72489	9144.167
43019_3020	43019	3020	-32.5434	294.5216	0.534188	-5.8275	-37.0004	-12837.8
43020_3020	43020	3020	-1031.49	99.49433	-3.8808	-3.05786	75.42098	3036.89
43020_3021	43020	3021	1031.49	-89.879	3.8808	3.057863	-38.5836	-2078.4
43021_3021	43021	3021	-1031.49	89.87895	-1.90706	1.375763	38.58356	1829.195
43021_3022	43021	3022	1031.495	-82.0276	1.907063	-1.37576	-23.7901	-1162.84
43022_3022	43022	3022	-1031.49	82.02758	-1.90706	1.375763	23.79011	1162.845
43022_3023	43022	3023	1031.495	-74.1762	1.907063	-1.37576	-8.99771	-557.359
43023_3023	43023	3023	-1031.51	47.57051	-2.33993	-0.89985	8.997713	557.3933
43023_3024	43023	3024	1031.508	-39.4656	2.339925	0.89985	9.724313	-209.16
43024_3024	43024	3024	-1031.51	39.46556	-2.33993	-0.89985	-9.72431	209.1603
43024_3025	43024	3025	1031.508	-31.3622	2.339925	0.89985	28.44791	74.22503
43025_3025	43025	3025	-1031.51	31.36219	-1.18808	-0.98306	-28.4479	-74.2237
43025_3026	43025	3026	1031.509	-23.2683	1.188075	0.983063	37.9386	292.504
43026_3026	43026	3026	-1031.52	-3.00536	-2.80901	-0.73579	-37.9386	-292.563
43026_3027	43026	3027	1031.518	9.083025	2.809013	0.735788	54.79163	256.2893
43027_3027	43027	3027	-1031.52	-9.08303	-1.09699	-1.16051	-54.7916	-256.289
43027_3028	43027	3028	1031.521	15.15938	1.096988	1.160513	61.37775	183.5615
43028_3028	43028	3028	-1031.52	-15.1594	-1.09699	-1.16051	-61.3778	-183.562
43028_3029	43028	3029	1031.521	21.23573	1.096988	1.160513	67.96519	74.37544
43029_3029	43029	3029	-1031.52	-21.2357	0.613725	-1.28231	-67.9652	-74.371
43029_3030	43029	3030	1031.521	27.31076	-0.61373	1.282313	64.2873	-71.2467
43030_3030	43030	3030	-1031.54	-53.5511	-1.43168	-1.92334	-64.2873	71.20496
43030_3031	43030	3031	1031.539	61.6623	1.431675	1.923338	75.7617	-532.577
43031_3031	43031	3031	-1031.54	-61.6623	-0.27536	-1.32536	-75.7617	532.5784
43031_3032	43031	3032	1031.537	69.76095	0.275363	1.325363	77.97405	-1058.15
43032_3032	43032	3032	-1031.54	-69.761	1.006688	-0.00866	-77.9741	1058.148

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43032_3033	43032	3033	1031.539	77.86118	-1.00669	0.008662	69.92081	-1648.43
43033_3033	43033	3033	-1031.54	-105.745	0.267488	-5.88656	-69.9208	1648.493
43033_3034	43033	3034	1031.54	113.5898	-0.26749	5.886563	67.83945	-2498.02
43034_3034	43034	3034	-1031.53	-113.59	3.044738	0.83685	-67.8395	2498.032
43034_3035	43034	3035	1031.535	121.4443	-3.04474	-0.83685	44.22206	-3409.31
43035_3035	43035	3035	-1031.54	-121.444	2.4549	-0.49166	-44.2221	3671.589
43035_3036	43035	3036	1031.539	131.0676	-2.4549	0.491663	20.89658	-4920.07
43036_3036	43036	3036	28.67603	255.6474	0.348338	-5.50358	-27.1378	14897.33
43036_3037	43036	3037	-27.3874	-242.994	-0.34834	5.503575	22.76899	-11851.1
43037_3037	43037	3037	20.99449	243.6291	0.345975	5.183588	-23.6657	11851.07
43037_3038	43037	3038	-20.0385	-230.966	-0.34598	-5.18359	19.33155	-8816.18
43038_3038	43038	3038	12.6945	200.8613	0.126263	-5.37128	-18.6422	8816.586
43038_3039	43038	3039	-12.0204	-187.447	-0.12626	5.371275	16.98454	-6251.07
43039_3039	43039	3039	-1.59101	295.9273	0.61215	19.88648	-36.6909	22059.18
43039_3040	43039	3040	1.891838	-284.187	-0.61215	-19.8865	29.4819	-18905.6
43040_3040	43040	3040	-7.02712	241.5289	1.683938	-11.9424	-28.8595	18906.68
43040_3041	43040	3041	7.099575	-233.287	-1.68394	11.94244	14.97011	-17170.4
43041_3041	43041	3041	-9.14734	233.2168	1.69155	4.162988	-15.0749	17167.61
43041_3042	43041	3042	9.147338	-217.229	-1.69155	-4.16299	-12.0225	-12438.4
43042_3042	43042	3042	-9.1749	190.1988	-1.42091	-4.46618	12.0225	12438.69
43042_3043	43042	3043	9.1749	-178.262	1.420913	4.466175	4.960725	-10236.5
43043_3043	43043	3043	-9.1749	178.2619	-1.41251	4.066388	-4.96073	10236.47
43043_3044	43043	3044	9.1749	-166.327	1.412513	-4.06639	21.85076	-8177.08
43044_3044	43044	3044	-9.16046	143.7337	0.37485	-5.45318	-21.8508	8177.229
43044_3045	43044	3045	9.160463	-131.798	-0.37485	5.453175	17.37724	-6530.66
43045_3045	43045	3045	-9.15889	131.7984	0.389813	5.88735	-17.3772	6530.661
43045_3046	43045	3046	9.158888	-119.857	-0.38981	-5.88735	12.71025	-5025.74
43046_3046	43046	3046	-9.16309	96.7008	0.052238	0.752588	-12.7103	5025.851
43046_3047	43046	3047	9.163088	-84.7673	-0.05224	-0.75259	12.07343	-3941.7
43047_3047	43047	3047	-9.16309	84.76729	0.053288	1.015613	-12.0734	3941.703
43047_3048	43047	3048	9.163088	-72.8272	-0.05329	-1.01561	11.42794	-2999.4
43048_3048	43048	3048	-9.16886	49.68364	-0.76598	1.568175	-11.4279	2999.463
43048_3049	43048	3049	9.168863	-37.7451	0.765975	-1.56818	20.57239	-2476.8
43049_3049	43049	3049	-9.16886	37.74514	-0.76571	1.406475	-20.5724	2476.801
43049_3050	43049	3050	9.168863	-25.8161	0.765713	-1.40648	29.71684	-2097.14
43050_3050	43050	3050	-9.14366	3.5658	2.016788	1.2789	-29.7168	2097.156
43050_3051	43050	3051	9.143663	12.40628	-2.01679	-1.2789	-2.54441	-2493.02
43051_3051	43051	3051	-9.03945	-12.4832	2.022038	2.5935	2.565413	2494.058
43051_3052	43051	3052	8.97015	20.72359	-2.02204	-2.5935	-19.251	-2444.12
43052_3052	43052	3052	-7.82959	-53.7734	-0.57356	1.173375	19.26225	2444.134
43052_3053	43052	3053	7.542938	65.50714	0.573563	-1.17338	-12.5199	-3097.06
43053_3053	43053	3053	-8.50106	-60.0847	-0.36829	2.538375	4.111538	2594.211
43053_3054	43053	3054	7.856888	72.97605	0.368288	-2.53838	0.767287	-3468.95
43054_3054	43054	3054	-3.97084	-100.945	-0.03938	-2.14384	-1.05735	3468.905
43054_3055	43054	3055	3.060487	113.1131	0.039375	2.143838	1.554263	-4790.09
43055_3055	43055	3055	-0.12022	-113.154	-0.02126	5.428238	-0.84866	4790.094
43055_3056	43055	3056	-1.10985	125.322	0.021263	-5.42824	1.121663	-6303.17
43056_3056	43056	3056	-562.499	140.4294	2.85285	0.801938	-124.155	3221.346
43056_3057	43056	3057	562.4994	-131.178	-2.85285	-0.80194	97.04993	-1899.01
43057_3057	43057	3057	-562.494	131.1781	3.57735	3.057338	-97.0499	1868.757
43057_3058	43057	3058	562.4945	-123.64	-3.57735	-3.05734	69.33413	-881.658
43058_3058	43058	3058	-562.494	123.6399	3.57735	3.057338	-69.3341	881.6582
43058_3059	43058	3059	562.4945	-116.099	-3.57735	-3.05734	41.61833	47.01585
43059_3059	43059	3059	-562.517	89.73143	-0.15829	2.2911	-41.6183	-47.0195
43059_3060	43059	3060	562.5165	-81.937	0.158288	-2.2911	42.88988	734.3409
43060_3060	43060	3060	-562.515	81.93701	0.4977	1.436138	-42.8899	-734.342
43060_3061	43060	3061	562.5155	-74.1547	-0.4977	-1.43614	38.9193	1358.464
43061_3061	43061	3061	-562.515	74.15468	0.4977	1.436138	-38.9193	-1358.46

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43061_3062	43061	3062	562.5155	-66.3695	-0.4977	-1.43614	34.94899	1920.339
43062_3062	43062	3062	-562.513	40.96733	1.42485	2.3268	-34.949	-1920.4
43062_3063	43062	3063	562.5131	-35.127	-1.42485	-2.3268	26.39779	2148.765
43063_3063	43063	3063	-562.513	35.12696	1.42485	2.3268	-26.3978	-2148.76
43063_3064	43063	3064	562.5131	-29.284	-1.42485	-2.3268	17.84528	2342.06
43064_3064	43064	3064	-562.513	29.28398	1.42485	2.3268	-17.8453	-2342.06
43064_3065	43064	3065	562.5131	-23.4423	-1.42485	-2.3268	9.294075	2500.293
43065_3065	43065	3065	-562.51	23.4423	2.302913	-1.57185	-9.29408	-2500.29
43065_3066	43065	3066	562.5105	-17.6101	-2.30291	1.57185	-4.50004	2623.276
43066_3066	43066	3066	-562.522	-7.84639	1.236375	3.025575	4.500038	-2623.39
43066_3067	43066	3067	562.522	15.63791	-1.23638	-3.02558	-14.4	2529.395
43067_3067	43067	3067	-562.522	-15.6379	1.236375	3.025575	14.39996	-2529.4
43067_3068	43067	3068	562.522	23.42944	-1.23638	-3.02558	-24.3012	2373.027
43068_3068	43068	3068	-562.517	-23.4294	2.598225	-2.71845	24.3012	-2373.03
43068_3069	43068	3069	562.5173	31.21151	-2.59823	2.71845	-45.0713	2154.634
43069_3069	43069	3069	-562.512	-55.6889	3.193575	2.333888	45.07125	-2154.71
43069_3070	43069	3070	562.5115	63.23625	-3.19358	-2.33389	-69.83	1693.664
43070_3070	43070	3070	-562.507	-63.2363	3.875288	0.278513	69.82999	-1693.67
43070_3071	43070	3071	562.5068	70.77263	-3.87529	-0.27851	-99.833	1174.849
43071_3071	43071	3071	-562.502	-70.7726	4.611863	-0.90983	99.83295	-1132.41
43071_3072	43071	3072	562.5021	80.02418	-4.61186	0.909825	-143.662	419.8785
43072_3072	43072	3072	22.79183	193.7284	-0.42158	2.579588	65.51423	2198.241
43072_3073	43072	3073	-21.5602	-181.56	0.421575	-2.57959	-60.2044	182.8331
43073_3073	43073	3073	16.82678	182.0598	-0.42446	0.8673	60.26134	-182.831
43073_3074	43073	3074	-15.9133	-169.896	0.424463	-0.8673	-54.9336	2410.644
43074_3074	43074	3074	10.05821	137.9409	-0.2709	2.49375	54.78821	-2410.73
43074_3075	43074	3075	-9.41246	-125.045	0.2709	-2.49375	-51.1888	4255.133
43075_3075	43075	3075	12.13196	231.8539	0.305813	15.59198	57.92561	12707.22
43075_3076	43075	3076	-11.8579	-220.708	-0.30581	-15.592	-61.5216	-9966.47
43076_3076	43076	3076	7.968975	181.5216	-0.21184	-10.1546	61.97389	9966.984
43076_3077	43076	3077	-7.90283	-173.706	0.211838	10.15455	-60.2327	-8212.87
43077_3077	43077	3077	6.43545	173.7677	-0.22418	5.694413	60.14558	8210.571
43077_3078	43077	3078	-6.43545	-159.975	0.224175	-5.69441	-56.8856	-5782.88
43078_3078	43078	3078	6.42915	140.0388	-0.65205	-0.22234	56.88559	5783.051
43078_3079	43078	3079	-6.42915	-129.39	0.65205	0.222338	-49.5687	-4269.81
43079_3079	43079	3079	6.42915	129.3899	-0.65205	-0.22234	49.56866	4269.811
43079_3080	43079	3080	-6.42915	-118.737	0.65205	0.222338	-42.2544	-2876.21
43080_3080	43080	3080	6.433875	98.10885	-0.17115	-1.04764	42.25436	2876.239
43080_3081	43080	3081	-6.43388	-87.4479	0.17115	1.047638	-40.3179	-1833.22
43081_3081	43081	3081	6.432563	87.44794	-0.17824	0.507675	40.3179	1833.219
43081_3082	43081	3082	-6.43256	-76.7994	0.178238	-0.50767	-38.3255	-910.832
43082_3082	43082	3082	6.428363	54.90713	-0.46935	-0.3171	38.32553	910.8304
43082_3083	43082	3083	-6.42836	-43.46	0.46935	0.3171	-32.6516	-317.104
43083_3083	43083	3083	6.428363	43.46003	-0.47486	-0.04436	32.65159	317.1045
43083_3084	43083	3084	-6.42836	-32.0066	0.474863	0.044363	-26.9076	138.7588
43084_3084	43084	3084	6.4281	10.09444	-0.6657	0.075075	26.90756	-138.762
43084_3085	43084	3085	-6.4281	0.553875	0.6657	-0.07508	-19.4355	192.3267
43085_3085	43085	3085	6.426788	-0.55388	-0.67148	-0.10133	19.4355	-192.326
43085_3086	43085	3086	-6.42679	11.21033	0.671475	0.101325	-11.8915	126.2097
43086_3086	43086	3086	6.424163	-32.2473	-0.60743	-0.03229	11.89151	-126.207
43086_3087	43086	3087	-6.42416	42.90379	0.607425	0.032287	-5.06258	-296.097
43087_3087	43087	3087	6.425475	-42.9038	-0.61294	0.221025	5.062575	296.0971
43087_3088	43087	3088	-6.42548	53.54921	0.612938	-0.22103	1.818338	-837.604
43088_3088	43088	3088	6.439125	-72.9564	1.009838	-0.37433	-1.81834	837.6165
43088_3089	43088	3089	-6.43913	86.22101	-1.00984	0.374325	-12.2952	-2107.11
43089_3089	43089	3089	7.184625	-86.1617	1.00275	0.951825	12.30364	2108.432
43089_3090	43089	3090	-7.25235	93.98813	-1.00275	-0.95183	-20.5879	-2911.56
43090_3090	43090	3090	9.574688	-124.981	-1.65349	-1.8039	20.53905	2911.614

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43090_3091	43090	3091	-9.85346	136.1181	1.653488	1.8039	-1.09935	-4314.61
43091_3091	43091	3091	10.69058	-130.921	-1.37603	1.479975	-3.75139	3922.684
43091_3092	43091	3092	-11.3051	143.1665	1.376025	-1.47998	22.00616	-5776.83
43092_3092	43092	3092	17.00921	-171.367	0.060113	-3.62644	-22.3871	5776.78
43092_3093	43092	3093	-17.8786	182.9292	-0.06011	3.626438	21.62843	-8042.95
43093_3093	43093	3093	22.65086	-182.399	0.0588	3.013238	-21.0995	8042.954
43093_3094	43093	3094	-23.824	193.9515	-0.0588	-3.01324	20.3784	-10248.8
43094_3094	43094	3094	-772.192	117.6541	-0.62895	-3.18649	-42.389	3782.68
43094_3095	43094	3095	772.1923	-108.867	0.62895	3.186488	48.38426	-2706.2
43095_3095	43095	3095	-772.191	108.8672	0.9912	2.457263	-48.3843	2675.27
43095_3096	43095	3096	772.1907	-101.709	-0.9912	-2.45726	40.7085	-1860.02
43096_3096	43096	3096	-772.191	101.7088	1.020075	2.524463	-40.7085	1860.015
43096_3097	43096	3097	772.1907	-94.541	-1.02008	-2.52446	32.80279	-1099.24
43097_3097	43097	3097	-772.198	69.74546	-0.05801	-0.43181	-32.8028	1099.261
43097_3098	43097	3098	772.1984	-62.3448	0.058013	0.431813	33.25796	-570.703
43098_3098	43098	3098	-772.197	62.3448	0.882525	0.261713	-33.258	570.7047
43098_3099	43098	3099	772.197	-54.9562	-0.88253	-0.26171	26.20564	-101.925
43099_3099	43099	3099	-772.197	54.95621	0.90825	0.266438	-26.2056	101.9251
43099_3100	43099	3100	772.197	-47.5584	-0.90825	-0.26644	18.94016	308.2664
43100_3100	43100	3100	-772.185	23.45831	3.345825	-2.0601	-18.9402	-308.258
43100_3101	43100	3101	772.1852	-17.908	-3.34583	2.0601	-1.13426	432.396
43101_3101	43101	3101	-772.185	17.90801	3.345825	-2.0601	1.134263	-432.396
43101_3102	43101	3102	772.1852	-12.3593	-3.34583	2.0601	-21.2103	523.2289
43102_3102	43102	3102	-772.185	12.35929	-3.12874	2.32575	21.21026	-523.228
43102_3103	43102	3103	772.1847	-6.81844	3.128738	-2.32575	-2.46908	580.6999
43103_3103	43103	3103	-772.189	6.818438	-1.79813	1.327463	2.469075	-580.701
43103_3104	43103	3104	772.1894	-1.26814	1.798125	-1.32746	8.33175	604.9761
43104_3104	43104	3104	-772.189	-22.9228	-0.54233	0.097912	-8.33175	-604.973
43104_3105	43104	3105	772.1892	30.32216	0.542325	-0.09791	12.66983	391.8915
43105_3105	43105	3105	-772.188	-30.3222	0.393488	-0.37564	-12.6698	-391.889
43105_3106	43105	3106	772.1879	37.71206	-0.39349	0.375638	9.523763	119.9693
43106_3106	43106	3106	-772.188	-37.7121	0.422363	-0.38246	-9.52376	-119.969
43106_3107	43106	3107	772.1879	45.1101	-0.42236	0.382463	6.142763	-211.482
43107_3107	43107	3107	-772.189	-69.2706	1.022963	-1.08308	-6.14276	211.4981
43107_3108	43107	3108	772.1886	76.43843	-1.02296	1.083075	-1.79602	-776.352
43108_3108	43108	3108	-772.189	-76.4384	0.995662	-1.11064	1.796025	776.3519
43108_3109	43108	3109	772.1886	83.59838	-0.99566	1.110638	-9.50723	-1395.94
43109_3109	43109	3109	-772.188	-83.5984	1.809675	0.45885	9.507225	1437.123
43109_3110	43109	3110	772.1881	92.38373	-1.80968	-0.45885	-26.7078	-2296.08
43110_3110	43110	3110	31.39421	222.7525	-0.60296	-4.0719	23.14909	8592.409
43110_3111	43110	3111	-30.2164	-211.201	0.602963	4.0719	-15.5825	-5840.16
43111_3111	43111	3111	24.68261	211.9197	-0.61609	4.863863	14.76615	5840.159
43111_3112	43111	3112	-23.8116	-200.359	0.616088	-4.86386	-7.03868	-3229.45
43112_3112	43112	3112	17.2725	170.4003	0.717675	-1.99946	7.492275	3229.561
43112_3113	43112	3113	-16.6567	-158.145	-0.71768	1.999463	-17.0113	-1048.16
43113_3113	43113	3113	18.68029	266.9433	1.125863	15.45364	1.153688	18101.82
43113_3114	43113	3114	-18.4078	-256.104	-1.12586	-15.4536	-14.3813	-14937.7
43114_3114	43114	3114	13.85396	219.0717	-0.01103	0.57855	14.7609	14938.03
43114_3115	43114	3115	-13.7878	-211.457	0.011025	-0.57855	-14.6714	-14126.5
43115_3115	43115	3115	11.95688	211.569	-0.00945	-0.61136	14.67638	14125.93
43115_3116	43115	3116	-11.9569	-198.182	0.00945	0.611363	-14.5354	-9754.75
43116_3116	43116	3116	11.95688	176.3924	-0.67043	-6.53546	14.53541	9754.711
43116_3117	43116	3117	-11.9569	-166.015	0.670425	6.535463	-6.98644	-7830.04
43117_3117	43117	3117	11.95688	166.015	-0.69353	7.2744	6.986438	7830.038
43117_3118	43117	3118	-11.9569	-155.651	0.693525	-7.2744	0.79275	-6023.62
43118_3118	43118	3118	11.9595	136.3963	0.17535	-3.18019	-0.79275	6023.643
43118_3119	43118	3119	-11.9595	-126.03	-0.17535	3.180188	-1.17206	-4549.91
43119_3119	43119	3119	11.9595	126.0297	0.153563	4.920825	1.172063	4549.907

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43119_3120	43119	3120	-11.9595	-115.665	-0.15356	-4.92083	-2.89748	-3192.64
43120_3120	43120	3120	11.95819	94.26218	-0.12128	0.309225	2.897475	3192.609
43120_3121	43120	3121	-11.9582	-83.1206	0.121275	-0.30922	-1.4196	-2122
43121_3121	43121	3121	11.95819	83.12063	-0.13125	2.066663	1.4196	2121.996
43121_3122	43121	3122	-11.9582	-71.9791	0.13125	-2.06666	0.176663	-1185.88
43122_3122	43122	3122	11.9595	50.33149	-0.1029	0.972825	-0.17666	1185.877
43122_3123	43122	3123	-11.9595	-39.9664	0.1029	-0.97282	1.335863	-678.826
43123_3123	43123	3123	11.95793	39.96641	-0.11314	1.584188	-1.33586	678.8245
43123_3124	43123	3124	-11.9579	-29.5919	0.113138	-1.58419	2.617125	-287.893
43124_3124	43124	3124	11.95793	7.999687	-0.20738	0.952875	-2.61713	287.8935
43124_3125	43124	3125	-11.9579	2.3667	0.207375	-0.95288	4.958625	-256.256
43125_3125	43125	3125	11.95661	-2.3667	-0.22916	1.410413	-4.95863	256.2535
43125_3126	43125	3126	-11.9566	12.73178	0.229163	-1.41041	7.540838	-341.019
43126_3126	43126	3126	11.95609	-32.4117	0.819788	0.506363	-7.54084	340.9786
43126_3127	43126	3127	-11.9561	45.15683	-0.81979	-0.50636	-3.78158	-876.603
43127_3127	43127	3127	12.33986	-45.0531	0.805875	1.298063	3.792338	879.7226
43127_3128	43127	3128	-12.4031	52.66826	-0.80588	-1.29806	-10.4391	-1282.85
43128_3128	43128	3128	14.07499	-84.8657	-3.73538	-3.3978	10.34749	1282.751
43128_3129	43128	3129	-14.3425	95.7096	3.735375	3.3978	33.55774	-2508.04
43129_3129	43129	3129	11.13394	-88.4108	-4.83341	2.733413	-34.1313	1883.584
43129_3130	43129	3130	-11.7671	101.0565	4.833413	-2.73341	98.24483	-3137.86
43130_3130	43130	3130	16.52831	-130.837	10.52494	-0.57671	-98.5821	3137.758
43130_3131	43130	3131	-17.4276	142.7677	-10.5249	0.576713	-33.3428	-4873.92
43131_3131	43131	3131	22.16865	-142.111	10.51943	1.551375	33.65486	4873.916
43131_3132	43131	3132	-23.3827	153.2575	-10.5194	-1.55138	-157.248	-6661.1
43132_3132	43132	3132	-612.058	116.3705	-3.44715	3.571575	95.79701	2868.488
43132_3133	43132	3133	612.0584	-106.539	3.44715	-3.57158	-60.2915	-1636.95
43133_3133	43133	3133	-612.053	106.5393	-4.23675	2.374313	60.29153	1504.977
43133_3134	43133	3134	612.0529	-99.1431	4.23675	-2.37431	-27.457	-707.951
43134_3134	43134	3134	-611.962	99.1431	-11.3132	-5.81333	27.45698	707.9323
43134_3135	43134	3135	611.9621	-91.717	11.31323	5.813325	60.56741	34.5765
43135_3135	43135	3135	-612.194	67.61606	3.659513	0.0399	-60.5674	-34.4526
43135_3136	43135	3136	612.1941	-59.9818	-3.65951	-0.0399	31.27898	544.9077
43136_3136	43136	3136	-612.194	59.98178	3.659513	0.0399	-31.279	-544.908
43136_3137	43136	3137	612.1941	-52.3446	-3.65951	-0.0399	1.992112	994.2652
43137_3137	43137	3137	-612.189	52.3446	4.4142	-1.18519	-1.99211	-994.264
43137_3138	43137	3138	612.1889	-44.7185	-4.4142	1.185188	-33.2792	1382.065
43138_3138	43138	3138	-612.121	21.23205	-1.02428	0.558863	33.27923	-1382.12
43138_3139	43138	3139	612.1214	-15.5067	1.024275	-0.55886	-27.1422	1492.355
43139_3139	43139	3139	-612.121	15.50666	-1.02428	0.558863	27.14224	-1492.36
43139_3140	43139	3140	612.1214	-9.77839	1.024275	-0.55886	-21.0024	1568.22
43140_3140	43140	3140	-612.122	9.778388	-0.00341	-2.05301	21.00236	-1568.22
43140_3141	43140	3141	612.1217	-4.05038	0.003413	2.053013	-20.9827	1609.71
43141_3141	43141	3141	-612.121	4.050375	-1.02428	0.6279	20.98268	-1609.71
43141_3142	43141	3142	612.1214	1.676588	1.024275	-0.6279	-14.8441	1616.837
43142_3142	43142	3142	-612.126	-26.0526	-0.51503	0.403988	14.84411	-1616.88
43142_3143	43142	3143	612.1261	33.68978	0.515025	-0.40399	-10.7192	1377.888
43143_3143	43143	3143	-612.126	-33.6898	0.249638	-1.3188	10.71919	-1377.89
43143_3144	43143	3144	612.1261	41.32564	-0.24964	1.3188	-12.7155	1077.797
43144_3144	43144	3144	-612.126	-41.3256	-0.51503	0.028875	12.7155	-1077.8
43144_3145	43144	3145	612.1261	48.96124	0.515025	-0.02888	-8.5932	716.6022
43145_3145	43145	3145	-612.122	-73.6507	-0.42368	-0.94946	8.5932	-716.607
43145_3146	43145	3146	612.1222	81.04845	0.423675	0.949463	-5.29988	117.07
43146_3146	43146	3146	-612.121	-81.0485	-1.21485	-0.79984	5.299875	-117.07
43146_3147	43146	3147	612.1209	88.44623	1.21485	0.799838	4.11495	-539.823
43147_3147	43147	3147	-612.121	-88.4462	-0.61136	-0.38378	-4.11495	655.2375
43147_3148	43147	3148	612.1206	97.51639	0.611363	0.383775	9.929063	-1538.67
43148_3148	43148	3148	41.14241	188.9417	-0.13676	-0.08295	-3.27679	5106.344

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43148_3149	43148	3149	-39.9341	-177.021	0.136763	0.08295	4.999313	-2808.9
43149_3149	43149	3149	35.28525	178.0055	-0.13834	0.082688	-5.00246	2808.904
43149_3150	43149	3150	-34.3907	-166.073	0.138338	-0.08269	6.728138	-652.106
43150_3150	43150	3150	28.57943	134.0328	0.898538	0.180338	-6.72	652.103
43150_3151	43150	3151	-27.9479	-121.383	-0.89854	-0.18034	-5.20721	1042.341
43151_3151	43151	3151	31.06793	245.2215	-0.22339	-1.80836	-14.6507	14772.46
43151_3152	43151	3152	-30.7813	-233.525	0.223388	1.808363	17.26699	-11958.6
43152_3152	43152	3152	26.68628	193.6379	0.828975	1.091738	-17.3163	11958.59
43152_3153	43152	3153	-26.617	-185.424	-0.82898	-1.09174	10.47769	-10394.7
43153_3153	43153	3153	25.05694	185.6418	0.835538	-1.55899	-10.4685	10397.6
43153_3154	43153	3154	-25.0569	-171.963	-0.83554	1.558988	-1.00879	-7940.55
43154_3154	43154	3154	25.07584	147.237	-0.40504	-2.92924	1.008788	7940.568
43154_3155	43154	3155	-25.0758	-136.285	0.405038	2.929238	3.426938	-6380.99
43155_3155	43155	3155	25.07584	136.2848	-0.42525	2.86965	-3.42694	6380.99
43155_3156	43155	3156	-25.0758	-125.334	0.42525	-2.86965	8.11125	-4941.91
43156_3156	43156	3156	25.06193	105.1903	0.384825	0.501375	-8.11125	4941.914
43156_3157	43156	3157	-25.0619	-95.2266	-0.38483	-0.50138	4.266413	-3938.7
43157_3157	43157	3157	25.06193	95.2266	0.384825	0.501375	-4.26641	3938.701
43157_3158	43157	3158	-25.0619	-85.2603	-0.38483	-0.50138	0.421838	-3035.25
43158_3158	43158	3158	25.0698	65.99119	-0.20475	0.85785	-0.42184	3035.218
43158_3159	43158	3159	-25.0698	-56.0262	0.20475	-0.85785	2.476163	-2424.44
43159_3159	43159	3159	25.0698	56.02616	-0.20475	0.895913	-2.47616	2424.443
43159_3160	43159	3160	-25.0698	-46.0517	0.20475	-0.89591	4.53495	-1912.97
43160_3160	43160	3160	25.07321	24.28335	-0.33521	0.156975	-4.53495	1913.02
43160_3161	43160	3161	-25.0732	-13.3434	0.335213	-0.15698	8.215988	-1706.23
43161_3161	43161	3161	25.0719	13.3434	-0.357	1.732763	-8.21599	1706.224
43161_3162	43161	3162	-25.0719	-2.39374	0.357	-1.73276	12.15795	-1619.66
43162_3162	43162	3162	25.05011	-18.7913	1.008263	1.4574	-12.158	1619.677
43162_3163	43162	3163	-25.0501	32.47965	-1.00826	-1.4574	-1.70153	-1972.21
43163_3163	43163	3163	25.31839	-32.2707	1.031625	-0.44992	1.696538	1970.737
43163_3164	43163	3164	-25.3861	40.47488	-1.03163	0.449925	-10.2071	-2270.5
43164_3164	43164	3164	26.92174	-75.5026	-1.99553	1.668713	10.25483	2270.383
43164_3165	43164	3165	-27.2024	87.20145	1.995525	-1.66871	13.20428	-3226.66
43165_3165	43165	3165	22.57763	-77.6436	-1.56634	-0.78383	-12.1811	2486.462
43165_3166	43165	3166	-23.2533	91.33635	1.566338	0.783825	32.95346	-3607.45
43166_3166	43166	3166	27.8586	-122.946	1.161825	-1.13321	-33.0498	3607.439
43166_3167	43166	3167	-28.8191	135.8658	-1.16183	1.133213	18.48735	-5229.67
43167_3167	43167	3167	32.35181	-135.066	1.161825	-0.65074	-18.511	5229.671
43167_3168	43167	3168	-33.6496	147.9825	-1.16183	0.650738	3.915188	-7007.87
43168_3168	43168	3168	-620.708	133.1736	-1.53064	-1.19831	19.18534	3226.22
43168_3169	43168	3169	620.7083	-123.355	1.530638	1.198313	-4.64021	-2007.53
43169_3169	43169	3169	-620.71	123.3553	-0.68749	1.680263	4.640212	1870.408
43169_3170	43169	3170	620.7099	-115.349	0.687488	-1.68026	0.6909	-945.316
43170_3170	43170	3170	-620.71	115.3493	-0.68749	1.680263	-0.6909	945.3161
43170_3171	43170	3171	620.7099	-107.339	0.687488	-1.68026	6.023325	-82.2966
43171_3171	43171	3171	-620.736	80.58566	0.569363	0.029138	-6.02333	82.33339
43171_3172	43171	3172	620.7359	-72.3282	-0.56936	-0.02914	1.467375	528.6359
43172_3172	43172	3172	-620.736	72.3282	0.582488	0.018112	-1.46738	-528.636
43172_3173	43172	3173	620.7359	-64.0623	-0.58249	-0.01811	-3.19358	1074.27
43173_3173	43173	3173	-620.736	64.06234	0.582488	0.018112	3.193575	-1074.27
43173_3174	43173	3174	620.7359	-55.7939	-0.58249	-0.01811	-7.8561	1553.762
43174_3174	43174	3174	-620.735	29.64386	1.246088	-1.4616	7.8561	-1553.81
43174_3175	43174	3175	620.7345	-23.4431	-1.24609	1.4616	-15.3266	1713.09
43175_3175	43175	3175	-620.736	23.44309	0.209475	1.392563	15.32659	-1713.09
43175_3176	43175	3176	620.7359	-17.2439	-0.20948	-1.39256	-16.5934	1835.169
43176_3176	43176	3176	-620.735	17.24389	1.246088	-1.66478	16.59341	-1835.17
43176_3177	43176	3177	620.7345	-11.0431	-1.24609	1.664775	-24.0639	1920.039
43177_3177	43177	3177	-620.736	11.04311	0.209475	1.53405	24.0639	-1920.04

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43177_3178	43177	3178	620.7359	-4.84391	-0.20948	-1.53405	-25.3294	1967.708
43178_3178	43178	3178	-620.714	-21.6812	-0.95708	0.429713	25.32941	-1967.71
43178_3179	43178	3179	620.7138	29.94705	0.957075	-0.42971	-17.6749	1761.171
43179_3179	43179	3179	-620.714	-29.9471	-0.95708	0.429713	17.67491	-1761.17
43179_3180	43179	3180	620.7138	38.21396	0.957075	-0.42971	-10.0188	1488.489
43180_3180	43180	3180	-620.714	-38.214	-0.18034	-1.42853	10.01884	-1488.49
43180_3181	43180	3181	620.7138	46.47983	0.180338	1.428525	-8.56958	1149.67
43181_3181	43181	3181	-620.754	-72.3621	1.248713	-0.56018	8.569575	-1149.63
43181_3182	43181	3182	620.7545	80.35991	-1.24871	0.560175	-18.2293	558.5084
43182_3182	43182	3182	-620.752	-80.3599	2.063513	-1.29281	18.22931	-558.507
43182_3183	43182	3183	620.7519	88.36879	-2.06351	1.292813	-34.2122	-95.3941
43183_3183	43183	3183	-620.753	-88.3688	1.871888	-0.9891	34.21215	205.5338
43183_3184	43183	3184	620.7529	98.18576	-1.87189	0.9891	-52.001	-1113.61
43184_3184	43184	3184	42.80036	192.9955	-1.19726	0.54495	33.80843	4618.818
43184_3185	43184	3185	-41.5104	-180.08	1.197263	-0.54495	-18.7793	-2250.19
43185_3185	43185	3185	36.81615	181.0964	-1.19726	0.05565	18.78818	2250.187
43185_3186	43185	3186	-35.8649	-168.181	1.197263	-0.05565	-3.79339	4.708977
43186_3186	43186	3186	29.96464	134.0504	0.757575	0.3675	3.775013	-4.70106
43186_3187	43186	3187	-29.2968	-120.356	-0.75758	-0.3675	-13.8135	1827.557
43187_3187	43187	3187	41.89526	244.4733	0.8526	-4.08056	1.351088	15156.94
43187_3188	43187	3188	-41.5973	-231.924	-0.8526	4.080563	-11.3634	-12132.9
43188_3188	43188	3188	37.63646	188.8386	-0.67384	-0.48536	11.26755	12132.94
43188_3189	43188	3189	-37.5627	-180.028	0.673838	0.485363	-5.7099	-9712.38
43189_3189	43189	3189	36.08824	180.3288	-0.6657	-2.88435	5.705963	9718.601
43189_3190	43189	3190	-36.0882	-165.656	0.6657	2.88435	3.422475	-7341.38
43190_3190	43190	3190	36.08141	141.6458	-0.22208	-1.64194	-3.42248	7341.435
43190_3191	43190	3191	-36.0814	-129.899	0.222075	1.641938	5.872125	-5847.73
43191_3191	43191	3191	36.08141	129.8992	-0.22208	-1.64194	-5.87213	5847.728
43191_3192	43191	3192	-36.0814	-118.15	0.222075	1.641938	8.318888	-4483.26
43192_3192	43192	3192	36.08115	95.4807	-0.16249	-0.87176	-8.31889	4483.243
43192_3193	43192	3193	-36.0812	-84.7266	0.162488	0.871763	9.945863	-3575.79
43193_3193	43193	3193	36.08115	84.7266	-0.16249	-0.87176	-9.94586	3575.792
43193_3194	43193	3194	-36.0812	-73.9696	0.162488	0.871763	11.5731	-2776.65
43194_3194	43194	3194	36.11948	53.28881	-2.27299	-0.08715	-11.5731	2776.668
43194_3195	43194	3195	-36.1195	-42.5347	2.272988	0.08715	34.45995	-2294.14
43195_3195	43195	3195	36.11948	42.53471	-2.27299	-0.08715	-34.46	2294.141
43195_3196	43195	3196	-36.1195	-31.7806	2.272988	0.08715	57.34969	-1919.93
43196_3196	43196	3196	36.04361	9.393825	0.920325	1.103288	-57.3497	1919.973
43196_3197	43196	3197	-36.0436	2.343075	-0.92033	-1.10329	47.24396	-1881.22
43197_3197	43197	3197	36.04204	-2.34308	0.951825	-0.57907	-47.244	1881.225
43197_3198	43197	3198	-36.042	14.09231	-0.95183	0.579075	36.77441	-1971.63
43198_3198	43198	3198	36.04939	-36.2597	0.637613	0.441525	-36.7744	1971.63
43198_3199	43198	3199	-36.0494	50.94364	-0.63761	-0.44153	28.01479	-2648.37
43199_3199	43199	3199	36.46151	-50.6499	0.628163	1.430888	-28.0051	2640.12
43199_3200	43199	3200	-36.5324	59.46203	-0.62816	-1.43089	22.81913	-3108.03
43200_3200	43200	3200	38.38223	-95.744	-2.35988	-0.14962	-22.8409	3108.008
43200_3201	43200	3201	-38.6781	108.2826	2.359875	0.149625	50.5533	-4342.07
43201_3201	43201	3201	36.09874	-98.6567	-1.98398	1.240575	-56.7536	3564.413
43201_3202	43201	3202	-36.8106	113.3911	1.983975	-1.24058	83.0718	-4964.57
43202_3202	43202	3202	41.84854	-144.817	0.80745	-0.5397	-83.2947	4964.493
43202_3203	43202	3203	-42.8584	158.7196	-0.80745	0.5397	73.18474	-6837.21
43203_3203	43203	3203	46.89851	-157.572	0.80745	1.328513	-73.175	6837.214
43203_3204	43203	3204	-48.2672	171.4739	-0.80745	-1.32851	63.04384	-8924.64
43204_3204	43204	3204	-681.334	144.5724	2.926088	2.79405	-156.671	4292.877
43204_3205	43204	3205	681.3337	-134.007	-2.92609	-2.79405	128.8778	-2926.96
43205_3205	43205	3205	-681.336	134.0073	2.254088	-0.74524	-128.878	2728.239
43205_3206	43205	3206	681.3361	-125.387	-2.25409	0.745238	111.4005	-1722.94
43206_3206	43206	3206	-681.332	125.3873	3.133988	1.477088	-111.401	1722.944

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43206_3207	43206	3207	681.3321	-116.769	-3.13399	-1.47709	87.11115	-784.472
43207_3207	43207	3207	-681.323	87.68104	2.3646	1.5834	-87.1112	784.55
43207_3208	43207	3208	681.323	-78.7839	-2.3646	-1.5834	68.19068	-118.596
43208_3208	43208	3208	-681.324	78.78386	2.351213	1.583138	-68.1907	118.5962
43208_3209	43208	3209	681.3243	-69.8993	-2.35121	-1.58314	49.40408	475.4736
43209_3209	43209	3209	-681.32	69.89929	3.216413	0.979125	-49.4041	-475.475
43209_3210	43209	3210	681.3201	-61.0034	-3.21641	-0.97913	23.67146	999.1409
43210_3210	43210	3210	-681.281	31.7268	0.019688	2.139375	-23.6715	-999.218
43210_3211	43210	3211	681.2807	-25.0551	-0.01969	-2.13938	23.5473	1169.59
43211_3211	43211	3211	-681.281	25.0551	0.019688	2.139375	-23.5473	-1169.59
43211_3212	43211	3212	681.2807	-18.3831	-0.01969	-2.13938	23.42209	1299.919
43212_3212	43212	3212	-681.279	18.38314	1.155788	-0.02756	-23.4221	-1299.92
43212_3213	43212	3213	681.2794	-11.7114	-1.15579	0.027563	16.48605	1390.211
43213_3213	43213	3213	-681.281	11.71144	0.019688	2.289525	-16.4861	-1390.21
43213_3214	43213	3214	681.2807	-5.03685	-0.01969	-2.28953	16.36215	1440.456
43214_3214	43214	3214	-681.313	-24.2049	2.786438	0.429975	-16.3622	-1440.45
43214_3215	43214	3215	681.3127	33.10204	-2.78644	-0.42998	-5.93014	1211.2
43215_3215	43215	3215	-681.316	-33.102	1.934888	1.944075	5.930138	-1211.2
43215_3216	43215	3216	681.3156	41.99921	-1.93489	-1.94408	-21.4103	910.7556
43216_3216	43216	3216	-681.316	-41.9992	1.934888	1.944075	21.41029	-910.756
43216_3217	43216	3217	681.3156	50.89481	-1.93489	-1.94408	-36.8902	539.1317
43217_3217	43217	3217	-681.273	-79.1519	0.80325	-0.84131	36.89018	-539.126
43217_3218	43217	3218	681.2726	87.7716	-0.80325	0.841313	-43.1078	-107.773
43218_3218	43218	3218	-681.274	-87.7716	-0.07796	-0.98044	43.10775	107.7731
43218_3219	43218	3219	681.2741	96.38869	0.077963	0.980437	-42.5103	-821.493
43219_3219	43219	3219	-681.268	-96.3887	2.734988	3.061275	42.5103	983.7146
43219_3220	43219	3220	681.2678	106.9425	-2.73499	-3.06128	-68.4771	-1948.6
43220_3220	43220	3220	51.00795	220.7916	-1.08176	-1.46081	40.02836	6103.348
43220_3221	43220	3221	-49.6503	-206.892	1.081763	1.460813	-26.4516	-3417.58
43221_3221	43221	3221	44.37668	208.0866	-1.17416	8.775113	25.61843	3417.57
43221_3222	43221	3222	-43.375	-194.187	1.174163	-8.77511	-10.8948	-905.806
43222_3222	43222	3222	37.0125	161.0495	5.691525	-4.42943	11.72299	905.6927
43222_3223	43222	3223	-36.3069	-146.315	-5.69153	4.429425	-87.202	1153.329
43223_3223	43223	3223	55.20218	279.6531	9.812513	50.33989	141.645	15695.58
43223_3224	43223	3224	-54.8825	-265.886	-9.81251	-50.3399	-256.974	-12704.2
43224_3224	43224	3224	50.4126	217.1836	-7.86503	-27.5817	258.3	12704.38
43224_3225	43224	3225	-50.3354	-207.513	7.865025	27.58166	-193.401	-10582.4
43225_3225	43225	3225	48.6402	207.9087	-8.09288	20.18205	193.1748	10582.73
43225_3226	43225	3226	-48.6402	-189.243	8.092875	-20.1821	-64.2498	-7419.2
43226_3226	43226	3226	48.52339	162.2289	0.479063	-9.09484	64.24976	7418.474
43226_3227	43226	3227	-48.5234	-148.049	-0.47906	9.094838	-70.041	-5541.06
43227_3227	43227	3227	48.52575	148.0492	0.276675	13.88573	70.04104	5541.048
43227_3228	43227	3228	-48.5258	-133.88	-0.27668	-13.8857	-73.3947	-3836.46
43228_3228	43228	3228	48.60188	106.6509	-3.42746	-3.17126	73.39474	3835.773
43228_3229	43228	3229	-48.6019	-89.7033	3.427463	3.171263	-31.951	-2648.49
43229_3229	43229	3229	48.58849	89.70334	-3.62828	7.774725	31.95098	2648.485
43229_3230	43229	3230	-48.5885	-72.7529	3.628275	-7.77473	11.92748	-1666.08
43230_3230	43230	3230	48.31838	46.92844	3.880275	-2.59403	-11.9275	1665.535
43230_3231	43230	3231	-48.3184	-29.7399	-3.88028	2.594025	-35.6661	-1195.35
43231_3231	43231	3231	48.33334	29.73994	3.68235	2.310525	35.66614	1195.346
43231_3232	43231	3232	-48.3333	-12.5593	-3.68235	-2.31053	-80.7954	-936.11
43232_3232	43232	3232	48.11625	-17.2071	10.81736	-4.28741	80.7954	935.7789
43232_3233	43232	3233	-48.1163	28.18883	-10.8174	4.287413	-165.56	-1113.64
43233_3233	43233	3233	48.12176	-28.1888	10.78849	-3.60675	165.5595	1113.642
43233_3234	43233	3234	-48.1218	38.63816	-10.7885	3.60675	-245.991	-1403.65
43234_3234	43234	3234	48.46065	-38.2507	10.65251	-1.72489	245.9867	1403.641
43234_3235	43234	3235	-48.5612	50.67799	-10.6525	1.724888	-340.445	-1809.81
43235_3235	43235	3235	50.57614	-83.1595	-10.0698	-8.62103	340.3446	1809.489

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43235_3236	43235	3236	-50.7347	91.3794	10.06976	8.621025	-281.27	-2336.9
43236_3236	43236	3236	42.34361	-84.4974	-12.9507	-2.12756	202.4712	1444.242
43236_3237	43236	3237	-42.5591	92.26613	12.9507	2.127563	-134.257	-1923.83
43237_3237	43237	3237	44.02046	-91.5632	-13.0678	-4.40816	134.1976	1906.462
43237_3238	43237	3238	-44.6636	106.1731	13.06778	4.408163	-4.69455	-2859.33
43238_3238	43238	3238	48.42653	-134.233	-14.5764	-10.1438	4.260113	2858.543
43238_3239	43238	3239	-49.3763	149.3927	14.57636	10.14379	145.7833	-4333.21
43239_3239	43239	3239	52.34224	-148.369	-14.6701	2.803238	-145.13	4333.247
43239_3240	43239	3240	-53.6571	164.2463	14.67008	-2.80324	303.4516	-6037.5
43240_3240	43240	3240	57.1452	-188.026	11.52821	-8.28896	-305.024	6034.817
43240_3241	43240	3241	-58.2369	198.8322	-11.5282	8.288963	220.1913	-7398.95
43241_3241	43241	3241	-714.08	187.9931	8.188425	-4.31813	-187.295	3670.961
43241_3242	43241	3242	714.0803	-173.982	-8.18843	4.318125	109.5392	-1952.22
43242_3242	43242	3242	-714.046	173.9819	10.74281	1.8648	-109.539	1898.908
43242_3243	43242	3243	714.0457	-162.656	-10.7428	-1.8648	27.08685	-607.061
43243_3243	43243	3243	-712.951	125.7475	-4.06035	2.378775	-27.0869	607.0003
43243_3244	43243	3244	712.9513	-111.7	4.06035	-2.37878	65.75021	523.2796
43244_3244	43244	3244	-712.957	111.6995	-2.50189	1.236375	-65.7502	-523.284
43244_3245	43244	3245	712.9571	-96.7932	2.501888	-1.23638	91.02083	1576.484
43245_3245	43245	3245	-712.965	73.39946	-0.17194	6.494775	-91.0208	-1575.84
43245_3246	43245	3246	712.9652	-58.7268	0.171938	-6.49478	92.7318	2232.822
43246_3246	43246	3246	-712.958	58.72676	2.697713	-2.49296	-92.7318	-2232.83
43246_3247	43246	3247	712.9584	-44.4483	-2.69771	2.492963	66.62171	2732.035
43247_3247	43247	3247	-712.69	15.73163	-1.09751	6.763575	-66.6217	-2731.3
43247_3248	43247	3248	712.6896	-2.17717	1.097513	-6.76358	76.71116	2813.548
43248_3248	43248	3248	-712.689	2.177175	1.302525	-2.71241	-76.7112	-2813.55
43248_3249	43248	3249	712.6888	13.21793	-1.30253	2.712413	63.12548	2755.949
43249_3249	43249	3249	-712.408	-36.8592	-2.92399	4.482188	-63.1255	-2755.29
43249_3250	43249	3250	712.4085	51.94429	2.923988	-4.48219	93.02764	2301.305
43250_3250	43250	3250	-712.414	-51.9443	-0.84026	-2.24805	-93.0276	-2301.31
43250_3251	43250	3251	712.4142	65.82109	0.840262	2.24805	100.9352	1747.568
43251_3251	43251	3251	-712.883	-92.39	12.80711	2.670675	-100.935	-1747.17
43251_3252	43251	3252	712.8831	104.7882	-12.8071	-2.67068	-6.68666	918.7508
43252_3252	43252	3252	-712.836	-104.788	15.1872	-0.39533	6.686663	-918.754
43252_3253	43252	3253	712.8361	117.2202	-15.1872	0.395325	-134.643	-16.4887
43253_3253	43253	3253	-712.817	-117.22	16.08994	-0.22286	134.6428	23.28296
43253_3254	43253	3254	712.8172	128.5276	-16.0899	0.222862	-257.943	-964.858
43254_3254	43254	3254	-712.225	-149.003	0.805875	-80.8025	257.9427	962.1483
43254_3255	43254	3255	712.2252	153.8221	-0.80587	80.80249	-260.577	-1471.04
43255_3255	43255	3255	54.84885	221.6855	-6.12019	15.22763	228.3425	4706.931
43255_3256	43255	3256	-53.2101	-206.632	6.120188	-15.2276	-165.562	-2487.62
43256_3256	43256	3256	46.40423	208.2638	-6.21889	17.59328	165.381	2487.621
43256_3257	43256	3257	-45.4894	-196.219	6.218888	-17.5933	-114.501	-823.738
43257_3257	43257	3257	41.49233	180.7147	-17.5928	5.99235	115.3496	823.4006
43257_3258	43257	3258	-40.6353	-166.162	17.59275	-5.99235	58.45586	933.5903
43258_3258	43258	3258	37.87166	166.8048	-17.6586	4.993538	-58.2663	-933.611
43258_3259	43258	3259	-37.3325	-154.104	17.65864	-4.99354	210.4071	2403.327
43259_3259	43259	3259	35.1246	154.6101	-17.7555	8.425463	-210.332	-2389.56
43259_3260	43259	3260	-34.9905	-149.95	17.7555	-8.42546	266.4328	2894.817
43260_3260	43260	3260	-1.60099	83.56583	18.93176	-36.0462	-151.285	14272.24
43260_3261	43260	3261	1.84275	-71.9541	-18.9318	36.04624	9.374925	-13660.2
43261_3261	43261	3261	-2.70296	71.92474	18.93911	-8.32834	-10.0553	13660.22
43261_3262	43261	3262	2.823713	-57.4421	-18.9391	8.328338	-166.977	-12405.1
43262_3262	43262	3262	-3.23768	57.414	18.94961	34.04625	166.9017	12405.31
43262_3263	43262	3263	3.237675	-45.5453	-18.9496	-34.0463	-312.057	-12011
43263_3263	43263	3263	-2.85364	15.52714	-13.0289	-13.8443	312.0566	12009.98
43263_3264	43263	3264	2.853638	1.930688	13.02893	13.84425	-165.276	-11933.4
43264_3264	43264	3264	-2.88802	-1.93069	-13.0211	16.62596	165.2763	11933.4

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43264_3265	43264	3265	2.888025	20.19019	13.02105	-16.626	-11.8479	-12063.7
43265_3265	43265	3265	-2.98095	-49.3261	-3.9543	-23.1856	11.84794	12063.22
43265_3266	43265	3266	2.98095	67.32863	3.9543	23.18558	34.10426	-12740.9
43266_3266	43266	3266	-2.99617	-67.3286	-3.94433	24.99604	-34.1043	12740.88
43266_3267	43266	3267	2.996175	85.04344	3.944325	-24.996	79.19153	-13611.9
43267_3267	43267	3267	-2.99932	-114.19	-0.18218	-23.1155	-79.1915	13611.97
43267_3268	43267	3268	2.999325	132.1787	0.182175	23.11549	81.29678	-15042
43268_3268	43268	3268	-3.00011	-132.179	-0.17273	18.9924	-81.2968	15041.97
43268_3269	43268	3269	3.000113	149.9072	0.172725	-18.9924	83.27629	-16655.7
43269_3269	43269	3269	-3.08858	-182.491	-9.50749	-42.1181	-83.2763	16656.73
43269_3270	43269	3270	3.088575	201.4016	9.507488	42.11813	199.2992	-18999.4
43270_3270	43270	3270	-3.1248	-201.402	-9.49358	30.38543	-199.299	18999.42
43270_3271	43270	3271	3.1248	220.1367	9.493575	-30.3854	314.0902	-21547.6
43271_3271	43271	3271	-2.94919	-253.414	14.30573	-81.3915	-314.09	21548.97
43271_3272	43271	3272	2.949187	264.1532	-14.3057	81.39154	214.9292	-24976.6
43272_3272	43272	3272	-0.61268	-264.17	14.31203	-24.7419	-215.153	24976.89
43272_3273	43272	3273	0.484312	278.796	-14.312	24.74194	80.02838	-27719.2
43273_3273	43273	3273	3.427988	-278.776	14.32253	57.36964	-78.5329	27719.16
43273_3274	43273	3274	-3.71569	291.5301	-14.3225	-57.3696	-39.3871	-29383.6
43274_3274	43274	3274	5.975813	-329.624	-51.2747	-65.3258	36.09008	29387.26
43274_3275	43274	3275	-6.08738	333.2283	51.27465	65.32575	83.25581	-30189.6
43275_3275	43275	3275	9.828788	-333.141	-51.272	-52.1939	-83.4808	30190.67
43275_3276	43275	3276	-10.3947	346.5604	51.27203	52.19393	527.8649	-32934.5
43276_3276	43276	3276	15.63949	-346.365	-51.2602	48.25091	-523.292	32934.58
43276_3277	43276	3277	-16.4165	359.8395	51.26021	-48.2509	969.6745	-36102
43277_3277	43277	3277	41.48839	-238.722	10.37164	-51.5028	-354.285	12571.91
43277_3278	43277	3278	-42.7374	255.2343	-10.3716	51.50276	246.0119	-15228.1
43278_3278	43278	3278	50.33201	-253.848	10.32098	-12.6213	-244.103	15228.17
43278_3279	43278	3279	-51.9362	269.0512	-10.321	12.62126	144.6454	-17650.7
43279_3279	43279	3279	-1206.21	247.9811	-0.18454	113.8822	-88.2593	7412.191
43279_3280	43279	3280	1206.211	-241.439	0.184538	-113.882	89.02215	-6257.48
43280_3280	43280	3280	-1206.35	182.6042	-19.4342	-18.0676	-89.0222	6258.443
43280_3281	43280	3281	1206.355	-172.656	19.43419	18.06761	210.939	-5144.09
43281_3281	43281	3281	-1206.41	172.6565	-15.5775	0.1071	-210.939	5010.198
43281_3282	43281	3282	1206.411	-157.347	15.57754	-0.1071	361.3155	-3417.35
43282_3282	43282	3282	-1206.45	157.347	-11.9999	10.2354	-361.316	3417.334
43282_3283	43282	3283	1206.451	-144.09	11.99993	-10.2354	461.6435	-2157.35
43283_3283	43283	3283	-1206.28	143.4736	14.33119	-1.71308	-461.644	2782.837
43283_3284	43283	3284	1206.282	-129.222	-14.3312	1.713075	284.4731	-1097.15
43284_3284	43284	3284	-1206.22	129.2225	18.97219	2.508975	-284.473	1097.151
43284_3285	43284	3285	1206.218	-115.477	-18.9722	-2.50898	58.22696	361.8245
43285_3285	43285	3285	-1206.4	43.88633	-6.3861	3.4398	-58.227	-361.84
43285_3286	43285	3286	1206.399	-30.2395	6.3861	-3.4398	133.8251	800.6499
43286_3286	43286	3286	-1206.42	30.23948	-1.21328	0.006037	-133.825	-800.656
43286_3287	43286	3287	1206.417	-18.2359	1.213275	-0.00604	146.4616	1053.085
43287_3287	43287	3287	-1206.49	-6.27743	6.257213	2.375625	-146.462	-1053.02
43287_3288	43287	3288	1206.486	19.29716	-6.25721	-2.37563	75.77903	908.6031
43288_3288	43288	3288	-1206.46	-19.2972	10.35431	-0.70796	-75.779	-908.605
43288_3289	43288	3289	1206.458	31.90058	-10.3543	0.707963	-37.4527	628.6689
43289_3289	43289	3289	-1206.59	-76.761	-0.48772	-0.52894	37.45271	-628.681
43289_3290	43289	3290	1206.59	86.40161	0.487725	0.528938	-33.369	-53.6949
43290_3290	43290	3290	-1206.59	-86.4016	2.13885	-0.41291	33.369	53.69595
43290_3291	43290	3291	1206.587	95.45786	-2.13885	0.412913	-50.1866	-768.26
43291_3291	43291	3291	-1206.58	-95.4579	4.551488	1.332188	50.18659	823.3404
43291_3292	43291	3292	1206.579	104.544	-4.55149	-1.33219	-86.0654	-1611.54
43292_3292	43292	3292	-1206.66	-141.455	-0.40267	-26.964	86.06535	1611.973
43292_3293	43292	3293	1206.659	144.3493	0.402675	26.964	-85.0534	-2010.11
43293_3293	43293	3293	54.37399	398.8533	-0.64076	-13.8511	-65.7452	9980.5

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43293_3294	43293	3294	-53.3214	-389.147	0.640762	13.85108	71.18396	-6577.63
43294_3294	43294	3294	40.54549	390.6845	-0.68644	14.75828	-73.5759	6577.6
43294_3295	43294	3295	-39.6974	-379.407	0.686437	-14.7583	80.32395	-2751.16
43295_3295	43295	3295	28.08776	330.4271	0.85575	3.446625	-79.2708	2751.334
43295_3296	43295	3296	-27.4441	-317.888	-0.85575	-3.44663	69.95048	903.1082
43296_3296	43296	3296	20.72936	318.3954	0.810337	1.500975	-69.7602	-903.13
43296_3297	43296	3297	-20.443	-308.864	-0.81034	-1.50098	63.04673	3939.096
43297_3297	43297	3297	15.6303	309.1426	0.779362	-7.6818	-62.868	-3936.65
43297_3298	43297	3298	-15.5589	-304.168	-0.77936	7.6818	59.50429	4777.198
43298_3298	43298	3298	4.175063	243.2716	4.455675	20.6157	-126.998	-7876.84
43298_3299	43298	3299	-4.14461	-233.57	-4.45568	-20.6157	90.29921	9840.468
43299_3299	43299	3299	3.401213	233.5822	4.4478	-0.30844	-90.2328	-9840.49
43299_3300	43299	3300	-3.40121	-224.807	-4.4478	0.308438	57.08194	11548.35
43300_3300	43300	3300	3.410663	224.8066	4.4415	-21.7565	-57.0819	-11549.2
43300_3301	43300	3301	-3.41066	-216.434	-4.4415	21.75653	25.515	13117.11
43301_3301	43301	3301	3.385463	177.7514	-0.41921	34.06174	-25.515	-13117.7
43301_3302	43301	3302	-3.38546	-163.52	0.419213	-34.0617	30.57574	15179.34
43302_3302	43302	3302	3.38415	163.5202	-0.43024	-23.7673	-30.5757	-15179.4
43302_3303	43302	3303	-3.38415	-149.157	0.430238	23.76728	35.83991	17085.91
43303_3303	43303	3303	3.39885	100.7152	1.725675	33.18525	-35.8399	-17086.6
43303_3304	43303	3304	-3.39885	-85.5992	-1.72568	-33.1853	13.69279	18282
43304_3304	43304	3304	3.40305	85.59915	1.715438	-22.0904	-13.6928	-18282
43304_3305	43304	3305	-3.40305	-72.1214	-1.71544	22.09043	-5.94195	19184.49
43305_3305	43305	3305	3.407513	27.54465	1.36605	41.4372	5.94195	-19185.3
43305_3306	43305	3306	-3.40751	-11.9569	-1.36605	-41.4372	-24.013	19446.64
43306_3306	43306	3306	3.413025	11.95688	1.3524	-30.7285	24.01298	-19446.7
43306_3307	43306	3307	-3.41303	1.0479	-1.3524	30.72851	-38.9521	19506.89
43307_3307	43307	3307	3.424575	-44.09	2.4213	39.48289	38.95211	-19507.8
43307_3308	43307	3308	-3.42458	58.89398	-2.4213	-39.4829	-69.3714	18860.59
43308_3308	43308	3308	3.43455	-58.894	2.407913	-23.736	69.3714	-18860.6
43308_3309	43308	3309	-3.43455	72.67785	-2.40791	23.73604	-97.56	18090.75
43309_3309	43309	3309	3.450038	-117.384	2.998275	34.22685	97.55996	-18091.4
43309_3310	43309	3310	-3.45004	131.3605	-2.99828	-34.2269	-133.139	16615.41
43310_3310	43310	3310	3.460013	-131.361	2.988038	-14.4304	133.1392	-16615.4
43310_3311	43310	3311	-3.46001	145.9826	-2.98804	14.43041	-170.229	14894.06
43311_3311	43311	3311	3.505425	-180.107	8.303925	27.09263	170.2292	-14894.6
43311_3312	43311	3312	-3.50543	194.3687	-8.30393	-27.0926	-270.773	12627.48
43312_3312	43312	3312	3.5322	-194.369	8.293425	-12.5559	270.7735	-12627.5
43312_3313	43312	3313	-3.5322	208.6907	-8.29343	12.5559	-371.61	10176.97
43313_3313	43313	3313	3.409875	-276.897	-8.47875	20.69891	371.6097	-10177.4
43313_3314	43313	3314	-3.40988	291.8682	8.47875	-20.6989	-263.853	6562.6
43314_3314	43314	3314	3.380475	-291.868	-8.49109	-3.80546	263.8527	-6562.63
43314_3315	43314	3315	-3.38048	306.768	8.491088	3.805463	-156.439	2775.782
43315_3315	43315	3315	3.709388	-331.942	-19.1176	-6.56933	156.4392	-2776.25
43315_3316	43315	3316	-3.70939	341.5818	19.11761	6.569325	0	20.44193

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
3000_3000	3000	3000	1.634	19.877	-0.113	0.131	0	5.667	1
3000_3001	3000	3001	55.691	-46.543	0.067	-0.102	0.995	427.147	1
3001_3001	3001	3001	3.783	-3.34	0.106	-0.118	1.581	29.781	1
3001_3002	3001	3002	79.032	-38.766	0.083	-0.015	2.095	604.818	1
3002_3002	3002	3002	6.637	-3.344	-0.146	-0.13	2.635	51.68	1
3002_3003	3002	3003	101.962	-32.307	-0.095	-0.202	1.129	778.946	1
3003_3003	3003	3003	9.986	-3.365	-0.142	-0.101	0.839	77.275	1
3003_3004	3003	3004	113.131	-24.76	-0.108	0.064	-0.048	863.996	1
3004_3004	3004	3004	13.346	-3.388	-0.063	-0.12	-0.892	102.72	1
3004_3005	3004	3005	124.661	-27.475	-0.035	-0.16	-0.514	951.528	1
3005_3005	3005	3005	16.724	-3.388	-0.063	-0.094	-1.654	128.325	1
3005_3006	3005	3006	127.91	-20.917	-0.039	0.008	-1.097	976.161	1
3006_3006	3006	3006	20.106	-3.355	-0.042	-0.125	-2.415	153.951	1
3006_3007	3006	3007	134.705	-25.141	-0.03	-0.267	-1.618	1027.578	1
3007_3007	3007	3007	23.452	-3.355	-0.041	-0.056	-2.92	179.308	1
3007_3008	3007	3008	134.16	-18.805	-0.032	0.095	-2.191	1023.338	1
3008_3008	3008	3008	26.8	-3.318	-0.035	-0.088	-3.425	204.685	1
3008_3009	3008	3009	137.649	-23.091	-0.029	-0.142	-2.743	1049.662	1
3009_3009	3009	3009	30.112	-3.321	-0.035	-0.046	-3.839	229.851	1
3009_3010	3009	3010	133.967	-16.771	-0.03	0.031	-3.292	1021.647	1
3010_3010	3010	3010	33.425	-3.28	-0.037	-0.091	-4.262	254.956	1
3010_3011	3010	3011	134.287	-7.817	-0.035	-0.206	-3.531	1024.182	1
3011_3011	3011	3011	36.696	-3.29	-0.036	0.012	-4.681	279.872	1
3011_3012	3011	3012	128.199	-1.097	-0.035	0.155	-4.159	977.931	1
3012_3012	3012	3012	39.982	-3.37	-0.046	-0.032	-5.097	304.89	1
3012_3013	3012	3013	125.625	-5.026	-0.045	-0.069	-4.871	958.333	1
3013_3013	3013	3013	43.345	-3.37	-0.046	0.028	-5.661	330.374	1
3013_3014	3013	3014	115.813	1.761	-0.045	0.095	-5.544	883.886	1
3014_3014	3014	3014	46.708	-3.613	-0.025	-0.035	-6.224	355.862	1
3014_3015	3014	3015	104.384	1.177	-0.048	-0.078	-6.378	797.117	1
3015_3015	3015	3015	56.264	-3.463	-0.017	0.086	-4.512	402.002	1
3015_3016	3015	3016	100.218	6.086	-0.034	0.127	-4.595	739.143	1
3016_3016	3016	3016	57.61	-3.959	-0.014	-0.001	-4.655	422.521	1
3016_3017	3016	3017	80.684	-8.333	0.014	-0.019	-3.875	660.044	1
3017_3017	3017	3017	56.21	-3.875	-0.013	0.165	-4.763	463.967	1
3017_3018	3017	3018	51.471	-1.84	0.013	0.13	-3.353	523.854	1
3018_3018	3018	3018	51.059	-4.336	-0.014	0.035	-4.957	514.87	1
3018_3019	3018	3019	28.452	0.674	0.002	0.02	-3.017	369.92	1
3019_3019	3019	3019	44.836	-4.456	-0.014	0.277	-5.088	571.684	1
3019_3020	3019	3020	14.329	-1.128	-0.015	0.116	-2.282	235.705	1
3020_3020	3020	3020	43.446	23.553	0.065	-0.019	-1.761	373.402	1
3020_3021	3020	3021	74.83	-23.415	0.063	-0.002	-4.548	321.795	1
3021_3021	3021	3021	27.516	18.547	0.06	0.024	-1.551	243.858	1
3021_3022	3021	3022	78.397	-20.108	0.031	0.041	-2.956	359.456	1
3022_3022	3022	3022	15.509	14.861	0.066	0.029	-1.606	175.367	1
3022_3023	3022	3023	80.104	-21.548	0.009	0.031	-2.285	411.902	1
3023_3023	3023	3023	6.065	1.243	0.054	0.03	-2.83	98.5	1
3023_3024	3023	3024	83.071	-21.537	0.042	0.013	-1.667	452.542	1
3024_3024	3024	3024	5.137	1.189	0.051	0.028	-2.283	87.677	1
3024_3025	3024	3025	83.756	-16.968	0.033	0.004	-1.165	475.592	1
3025_3025	3025	3025	4.267	1.144	0.049	0.035	-1.806	78.221	1
3025_3026	3025	3026	82.47	-12.016	0.023	0.044	-0.792	480.981	1
3026_3026	3026	3026	3.412	1.107	0.046	0.022	-1.413	72.496	1
3026_3027	3026	3027	83.72	-15.581	0.028	-0.056	-0.519	497.418	1
3027_3027	3027	3027	2.808	1.074	0.046	0.031	-1.106	65.92	1
3027_3028	3027	3028	83.817	-11.838	0.018	0.013	-0.353	503.666	1
3028_3028	3028	3028	2.223	1.022	0.043	0.03	-0.805	58.402	1
3028_3029	3028	3029	82.418	-18.55	-0.023	-0.022	-0.371	494.627	1
3029_3029	3029	3029	1.658	1.006	0.043	0.037	-0.546	53.609	1
3029_3030	3029	3030	80.713	-15.07	-0.033	0.039	-0.581	477.527	1
3030_3030	3030	3030	1.652	-0.562	-0.011	-0.015	0.395	-28.309	1
3030_3031	3030	3031	81.278	-17.101	-0.03	-0.067	-0.888	470.917	1
3031_3031	3031	3031	2.102	-0.652	-0.015	-0.02	0.326	-29.461	1
3031_3032	3031	3032	79.732	-12.523	-0.04	-0.029	-1.322	446.515	1
3032_3032	3032	3032	2.61	-0.718	-0.019	-0.026	0.19	-28.772	1
3032_3033	3032	3033	75.81	-8.405	-0.051	0.009	-1.889	404.298	1
3033_3033	3033	3033	3.164	-0.756	-0.044	-0.018	0.003	-26.796	1
3033_3034	3033	3034	72.87	-8.465	-0.018	-0.081	-2.229	367.521	1
3034_3034	3034	3034	12.771	-16.8	-0.063	0.004	-1.223	157.745	1
3034_3035	3034	3035	68.224	-10.728	-0.047	-0.002	-3.081	305.733	1
3035_3035	3035	3035	23.548	-19.311	-0.079	-0.024	-1.85	245.113	1
3035_3036	3035	3036	62.124	-7.638	-0.078	-0.051	-5.305	250.009	1
3036_3036	3036	3036	51.346	26.764	0	0.185	4.008	576.658	1
3036_3037	3036	3037	15.709	-34.392	-0.008	-0.141	-2.445	340.2	1
3037_3037	3037	3037	43.609	20.915	0.009	0.128	3.974	376.905	1
3037_3038	3037	3038	35.17	-28.27	0.006	-0.055	-2.744	474.491	1
3038_3038	3038	3038	36.442	5.289	0.003	-0.155	-3.867	452.244	1
3038_3039	3038	3039	58.505	-25.087	-0.028	-0.16	-3.335	590.16	1
3039_3039	3039	3039	39.882	5.063	0.005	-0.006	-3.831	390.354	1
3039_3040	3039	3040	74.059	-18.656	-0.027	-0.003	-3.907	638.886	1
3040_3040	3040	3040	39.149	4.36	0.026	-0.063	-3.773	344.727	1
3040_3041	3040	3041	83.18	-21.575	0.034	-0.091	-3.755	688.596	1
3041_3041	3041	3041	41.913	4.322	0.013	-0.002	-1.679	295.781	1
3041_3042	3041	3042	99.526	-12.323	0.014	-0.001	-1.633	673.748	1
3042_3042	3042	3042	35.093	3.831	0.005	-0.007	-1.472	251.289	1
3042_3043	3042	3043	107.449	-15.727	0.006	-0.032	-1.616	720.046	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3043_3043	3043	3043	30.539	3.831	0.005	0.009	-1.418	223.711	1
3043_3044	3043	3044	108.911	-20.537	0.003	-0.001	-1.626	718.173	1
3044_3044	3044	3044	25.995	3.664	0.006	0	-1.349	194.018	1
3044_3045	3044	3045	115.488	-24.236	-0.001	-0.067	-1.621	755.31	1
3045_3045	3045	3045	21.641	3.663	0.006	0.025	-1.282	167.574	1
3045_3046	3045	3046	113.422	-17.439	-0.001	0.031	-1.614	741.315	1
3046_3046	3046	3046	22.813	-3.86	-0.009	-0.016	-1.236	148.638	1
3046_3047	3046	3047	116.359	-21.317	-0.002	-0.005	-1.606	758.77	1
3047_3047	3047	3047	27.412	-3.887	-0.009	-0.015	-1.351	177.449	1
3047_3048	3047	3048	111.164	-14.648	-0.004	-0.006	-1.616	727.641	1
3048_3048	3048	3048	32.045	-3.951	-0.01	-0.002	-1.464	206.5	1
3048_3049	3048	3049	110.306	-18.149	-0.005	0.008	-1.628	723.052	1
3049_3049	3049	3049	36.75	-3.958	-0.01	-0.003	-1.58	235.237	1
3049_3050	3049	3050	102.661	-11.677	-0.007	-0.001	-1.648	676.231	1
3050_3050	3050	3050	41.459	-4.18	-0.009	0.003	-1.694	264.436	1
3050_3051	3050	3051	97.029	-13.474	-0.014	-0.001	-1.755	638.932	1
3051_3051	3051	3051	45.834	-4.126	-0.011	0.048	-2.151	317.49	1
3051_3052	3051	3052	82.685	-8.078	-0.018	0.053	-2.122	614.259	1
3052_3052	3052	3052	48.033	-4.447	-0.005	0.012	-2.24	340.519	1
3052_3053	3052	3053	68.317	-9.017	0.015	0.002	-1.813	565.589	1
3053_3053	3053	3053	43.988	-4.514	-0.006	0.179	-3.14	404.17	1
3053_3054	3053	3054	39.625	-2.698	0.017	0.14	-2.037	485.343	1
3054_3054	3054	3054	40.754	-4.807	-0.014	0.028	-3.235	458.235	1
3054_3055	3054	3055	21.562	-0.113	-0.001	0.011	-1.899	349.735	1
3055_3055	3055	3055	39.788	-20.199	0.003	-0.18	2.998	360.205	1
3055_3056	3055	3056	18.022	-2.879	0.003	-0.084	0.542	140.889	1
3056_3056	3056	3056	35.136	23.253	0.054	-0.005	-1.369	342.915	1
3056_3057	3056	3057	71.052	-29.216	0.028	0.013	-2.517	351.411	1
3057_3057	3057	3057	18.718	16.739	0.056	0.058	-1.416	231.051	1
3057_3058	3057	3058	75.589	-25.415	0.012	0.079	-1.873	408.835	1
3058_3058	3058	3058	7.968	14.284	0.059	0.066	-1.249	161.553	1
3058_3059	3058	3059	78.155	-21.228	0.002	0.064	-1.616	450.222	1
3059_3059	3059	3059	5.321	1.031	0.032	0.054	-1.908	90.9	1
3059_3060	3059	3060	81.506	-21.264	0.033	-0.013	-1.163	496.261	1
3060_3060	3060	3060	4.63	0.993	0.032	0.07	-1.597	82.365	1
3060_3061	3060	3061	82.612	-16.655	0.026	0.075	-0.803	522.869	1
3061_3061	3061	3061	3.964	0.959	0.03	0.067	-1.306	74.436	1
3061_3062	3061	3062	81.762	-11.678	0.02	0.057	-0.518	530.025	1
3062_3062	3062	3062	4.32	-0.93	-0.032	-0.071	-0.196	53.527	1
3062_3063	3062	3063	83.12	-15.342	0.017	0.012	-0.346	548.088	1
3063_3063	3063	3063	4.801	-0.93	-0.032	-0.071	-0.385	57.185	1
3063_3064	3063	3064	83.351	-11.616	0.011	-0.006	-0.245	555.083	1
3064_3064	3064	3064	5.287	-0.945	-0.032	-0.072	-0.578	61.995	1
3064_3065	3064	3065	82.783	-18.626	-0.019	-0.078	-0.328	547.594	1
3065_3065	3065	3065	5.784	-0.963	-0.032	-0.054	-0.781	67.138	1
3065_3066	3065	3066	81.255	-15.174	-0.027	0.052	-0.511	528.975	1
3066_3066	3066	3066	6.289	-1.014	-0.034	-0.078	-1.001	73.588	1
3066_3067	3066	3067	81.896	-17.34	-0.026	-0.107	-0.783	521.231	1
3067_3067	3067	3067	6.989	-1.014	-0.034	-0.078	-1.27	78.909	1
3067_3068	3067	3068	80.605	-12.737	-0.031	-0.132	-1.132	494.254	1
3068_3068	3068	3068	7.709	-1.048	-0.034	-0.042	-1.588	87.346	1
3068_3069	3068	3069	77.119	-8.596	-0.042	0.05	-1.59	448.319	1
3069_3069	3069	3069	8.43	-1.138	-0.047	-0.075	-1.86	92.834	1
3069_3070	3069	3070	74.497	-8.668	-0.014	-0.142	-1.853	407.539	1
3070_3070	3070	3070	9.191	-1.176	-0.048	-0.055	-2.3	102.28	1
3070_3071	3070	3071	69.92	-10.822	-0.035	-0.084	-2.503	335.969	1
3071_3071	3071	3071	18.616	-18.49	-0.06	0.008	-1.313	232.34	1
3071_3072	3071	3072	64.279	-7.611	-0.058	-0.043	-3.848	269.509	1
3072_3072	3072	3072	42.76	29.665	-0.014	0.229	3.182	510.457	1
3072_3073	3072	3073	17.205	-34.624	0	-0.172	-1.986	354.13	1
3073_3073	3073	3073	35.852	4.681	0.012	-0.071	-3.366	521.87	1
3073_3074	3073	3074	36.583	-28.293	0.011	-0.062	-2.128	494.15	1
3074_3074	3074	3074	40.717	4.354	0.009	-0.219	-3.201	466.418	1
3074_3075	3074	3075	59.693	-24.951	-0.013	-0.23	-2.445	615.57	1
3075_3075	3075	3075	48.93	4.223	0.007	0.01	-2.261	390.664	1
3075_3076	3075	3076	82.991	-18.287	-0.008	0.018	-2.01	632.537	1
3076_3076	3076	3076	48.911	3.767	0.006	-0.087	-2.177	351.889	1
3076_3077	3076	3077	93.725	-21.477	0.007	-0.14	-2.001	687.213	1
3077_3077	3077	3077	43.633	3.816	0.009	0.025	-3.058	331.736	1
3077_3078	3077	3078	93.929	-25.337	0.01	0.013	-2.922	742.762	1
3078_3078	3078	3078	38.836	3.687	0.018	0	-2.921	293.626	1
3078_3079	3078	3079	103.056	-27.973	0.011	-0.04	-2.775	803.759	1
3079_3079	3079	3079	35.248	3.687	0.018	0	-2.718	267.61	1
3079_3080	3079	3080	105.434	-21.554	0.009	-0.051	-2.65	816.605	1
3080_3080	3080	3080	31.693	3.537	0.014	0.008	-2.492	237.915	1
3080_3081	3080	3081	111.639	-25.441	0.002	-0.091	-2.599	858.389	1
3081_3081	3081	3081	28.253	3.474	0.014	0.04	-2.305	209.598	1
3081_3082	3081	3082	111.007	-19.081	0.001	0.019	-2.552	852.048	1
3082_3082	3082	3082	24.874	3.433	0.016	0.03	-2.13	183.853	1
3082_3083	3082	3083	114.488	-22.815	-0.004	-0.074	-2.56	877.142	1
3083_3083	3083	3083	21.678	-3.343	-0.018	-0.025	-1.868	161.523	1
3083_3084	3083	3084	110.524	-3.762	-0.001	0.066	-2.593	848.506	1
3084_3084	3084	3084	25.193	-3.384	-0.017	-0.037	-2.106	188.455	1
3084_3085	3084	3085	111.036	-8.277	0	-0.042	-2.594	852.136	1
3085_3085	3085	3085	28.499	-3.406	-0.017	-0.002	-2.311	213.527	1
3085_3086	3085	3086	104.697	-1.613	-0.001	0.084	-2.601	807.554	1
3086_3086	3086	3086	31.829	-3.474	-0.017	-0.015	-2.513	239.214	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3086_3087	3086	3087	102.246	-5.73	-0.01	-0.012	-2.706	792.343	1
3087_3087	3087	3087	35.219	-3.482	-0.017	0.026	-2.708	264.173	1
3087_3088	3087	3088	93.61	-11.5	-0.01	0.067	-2.675	738.223	1
3088_3088	3088	3088	38.612	-3.674	-0.021	0	-2.899	289.843	1
3088_3089	3088	3089	87.492	-12.831	-0.027	-0.016	-2.902	693.196	1
3089_3089	3089	3089	42.423	-3.619	-0.018	0.097	-2.862	339.848	1
3089_3090	3089	3090	76.669	-8.352	-0.024	0.117	-2.717	670.193	1
3090_3090	3090	3090	44.028	-3.917	-0.006	-0.002	-3.015	361.259	1
3090_3091	3090	3091	62.606	-9.233	0.017	-0.019	-2.349	611.363	1
3091_3091	3091	3091	43.054	-3.883	-0.007	0.183	-3.891	403.197	1
3091_3092	3091	3092	38.787	-2.603	0.018	0.141	-2.475	492.643	1
3092_3092	3092	3092	39.453	-4.191	-0.022	0.067	-3.994	451.791	1
3092_3093	3092	3093	20.699	-0.081	-0.005	0.037	-2.386	349.577	1
3093_3093	3093	3093	34.755	-4.512	-0.022	0.272	-4.206	510.09	1
3093_3094	3093	3094	13.963	-3.166	0.003	-0.072	0.202	144.951	1
3094_3094	3094	3094	33.273	22.067	0.071	-0.024	-1.758	343.082	1
3094_3095	3094	3095	69.717	-23.417	0.042	-0.008	-3.196	334.171	1
3095_3095	3095	3095	16.464	16.398	0.094	0.076	-2.098	236.475	1
3095_3096	3095	3096	71.676	-25.512	0.011	0.101	-2.805	419.171	1
3096_3096	3096	3096	7.141	0.875	0.065	0.055	-3.111	86.838	1
3096_3097	3096	3097	73.8	-21.218	-0.004	0.084	-2.49	461.359	1
3097_3097	3097	3097	6.596	0.805	0.054	0.042	-2.609	82.232	1
3097_3098	3097	3098	76.754	-21.424	0.053	-0.018	-1.805	509.176	1
3098_3098	3098	3098	6.09	0.77	0.052	0.058	-2.1	74.584	1
3098_3099	3098	3099	77.585	-16.722	0.041	0.085	-1.261	536.526	1
3099_3099	3099	3099	5.601	0.739	0.05	0.055	-1.631	67.541	1
3099_3100	3099	3100	76.556	-11.632	0.033	0.07	-0.83	543.15	1
3100_3100	3100	3100	5.126	0.751	0.05	0.097	-1.234	63.523	1
3100_3101	3100	3101	77.799	-15.639	0.021	0.408	-0.617	562.517	1
3101_3101	3101	3101	4.765	0.751	0.05	0.097	-0.933	60.464	1
3101_3102	3101	3102	77.979	-11.856	0.012	0.458	-0.507	570.218	1
3102_3102	3102	3102	4.421	0.703	0.043	0.001	-0.628	53.734	1
3102_3103	3102	3103	77.245	-18.69	-0.019	-0.493	-0.676	563.439	1
3103_3103	3103	3103	4.084	0.703	0.044	0.018	-0.368	50.872	1
3103_3104	3103	3104	75.808	-15.173	-0.032	-0.28	-0.924	544.291	1
3104_3104	3104	3104	4.138	-0.889	-0.047	-0.076	-1.52	72.78	1
3104_3105	3104	3105	76.583	-17.594	-0.041	-0.135	-1.39	537.927	1
3105_3105	3105	3105	4.709	-0.889	-0.046	-0.058	-1.897	77.61	1
3105_3106	3105	3106	75.495	-12.886	-0.052	-0.029	-1.992	510.74	1
3106_3106	3106	3106	5.295	-0.941	-0.05	-0.061	-2.384	87.267	1
3106_3107	3106	3107	72.292	-8.643	-0.061	-0.046	-2.711	463.043	1
3107_3107	3107	3107	5.899	-1.018	-0.065	-0.058	-2.781	92.382	1
3107_3108	3107	3108	69.941	-8.811	-0.012	-0.075	-3.072	421.049	1
3108_3108	3108	3108	6.544	-1.054	-0.067	-0.061	-3.396	101.265	1
3108_3109	3108	3109	65.633	-10.813	-0.04	-0.103	-4.013	345.706	1
3109_3109	3109	3109	16.709	-17.932	-0.078	-0.006	-1.674	227.59	1
3109_3110	3109	3110	61.846	-7.497	-0.055	-0.054	-4.577	269.32	1
3110_3110	3110	3110	41.813	28.143	-0.03	0.222	4.774	499.021	1
3110_3111	3110	3111	16.667	-34.322	0.008	-0.203	-2.727	361.273	1
3111_3111	3111	3111	34.495	5.044	0.025	-0.032	-4.579	531.004	1
3111_3112	3111	3112	35.357	-27.772	0.023	-0.033	-2.859	500.01	1
3112_3112	3112	3112	39.093	4.583	0.012	-0.203	-4.255	470.331	1
3112_3113	3112	3113	57.537	-24.52	-0.015	-0.199	-3.288	619.818	1
3113_3113	3113	3113	43.33	4.502	0.01	0.017	-3.248	411.412	1
3113_3114	3113	3114	72.63	-17.678	-0.01	0.025	-2.928	662.439	1
3114_3114	3114	3114	43.129	4.171	0.024	-0.056	-3.128	368.964	1
3114_3115	3114	3115	81.097	-20.888	0.033	-0.051	-2.754	712.028	1
3115_3115	3115	3115	45.573	4.222	0.02	-0.011	-2.436	310.477	1
3115_3116	3115	3116	95.028	-12.101	0.026	-0.022	-2.004	671.335	1
3116_3116	3116	3116	39.887	3.98	0.014	-0.023	-2.147	272.224	1
3116_3117	3116	3117	101.969	-15.743	0.011	-0.085	-1.923	714.367	1
3117_3117	3117	3117	35.718	3.951	0.015	0.032	-1.986	244.086	1
3117_3118	3117	3118	103.005	-8.866	0.013	0.063	-1.801	718.03	1
3118_3118	3118	3118	31.58	3.899	0.015	-0.001	-1.818	216.532	1
3118_3119	3118	3119	108.639	-24.497	0.01	-0.094	-1.652	745.973	1
3119_3119	3119	3119	27.502	3.868	0.016	0.042	-1.64	188.952	1
3119_3120	3119	3120	106.81	-6.35	0.012	0.076	-1.541	736.347	1
3120_3120	3120	3120	23.467	3.797	0.016	0.027	-1.452	160.908	1
3120_3121	3120	3121	110.227	-10.586	0.008	-0.024	-1.426	756.131	1
3121_3121	3121	3121	19.221	3.725	0.016	0.04	-1.24	131.122	1
3121_3122	3121	3122	104.964	-3.161	0.008	0.046	-1.317	721.754	1
3122_3122	3122	3122	15.378	-2.234	-0.006	-0.015	-0.9	109.975	1
3122_3123	3122	3123	104.577	-7.905	0.007	-0.015	-1.225	720.057	1
3123_3123	3123	3123	17.74	-2.291	-0.005	-0.001	-0.978	127.77	1
3123_3124	3123	3124	96.595	-0.988	0.007	0.057	-1.143	671.025	1
3124_3124	3124	3124	20.16	-2.402	-0.006	-0.017	-1.046	145.334	1
3124_3125	3124	3125	93.116	-5.321	-0.002	-0.043	-1.163	651.916	1
3125_3125	3125	3125	22.703	-2.424	-0.006	0.02	-1.118	162.579	1
3125_3126	3125	3126	82.962	-10.321	-0.003	0.069	-1.148	596.738	1
3126_3126	3126	3126	25.276	-2.657	-0.004	-0.003	-1.18	182.369	1
3126_3127	3126	3127	76.44	-11.895	-0.005	-0.02	-1.156	554.469	1
3127_3127	3127	3127	29.745	-2.668	-0.003	0.032	-1.096	210.175	1
3127_3128	3127	3128	69.161	-7.335	-0.005	0.048	-1.054	512.048	1
3128_3128	3128	3128	31.165	-3.176	-0.012	-0.008	-1.12	224.899	1
3128_3129	3128	3129	55.673	-8.672	-0.004	-0.028	-1.05	464.35	1
3129_3129	3129	3129	30.502	-9.519	-0.016	-0.07	0.736	179.384	1
3129_3130	3129	3130	29.21	-2.139	-0.005	0.119	-1.326	383.86	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3130_3130	3130	3130	38.385	-14.33	-0.034	-0.111	1.078	296.319	1
3130_3131	3130	3131	17.68	-3.718	-0.019	-0.069	-0.773	159.189	1
3131_3131	3131	3131	46.025	-21.009	-0.038	-0.095	0.888	440.623	1
3131_3132	3131	3132	17.224	-3.473	-0.02	-0.012	-1.006	193.613	1
3132_3132	3132	3132	38.092	23.163	0.099	0.106	-1.718	347.711	1
3132_3133	3132	3133	65.484	-25.18	-0.085	0.198	-0.856	267.566	1
3133_3133	3133	3133	21.146	17.612	0.078	0.049	-0.775	202.898	1
3133_3134	3133	3134	71.982	-26.753	-0.086	0.159	-1.137	340.349	1
3134_3134	3134	3134	9.809	14.615	0.059	-0.12	-0.302	131.448	1
3134_3135	3134	3135	75.643	-22.254	-0.066	-0.246	-1.518	385.964	1
3135_3135	3135	3135	5.538	-0.171	0.016	0.014	-0.892	40.983	1
3135_3136	3135	3136	79.85	-21.78	0.041	0	-1.116	434.417	1
3136_3136	3136	3136	5.665	-0.171	0.016	0.014	-0.762	41.847	1
3136_3137	3136	3137	81.202	-16.884	0.038	-0.011	-0.751	461.287	1
3137_3137	3137	3137	5.793	-0.175	0.015	0.019	-0.615	40.958	1
3137_3138	3137	3138	80.123	-11.592	0.033	0.045	-0.433	467.664	1
3138_3138	3138	3138	5.922	-0.206	0.013	0.015	-0.493	41.84	1
3138_3139	3138	3139	81.859	-16.067	0.012	-0.01	-0.336	487.683	1
3139_3139	3139	3139	6.037	-0.206	0.013	0.015	-0.413	42.62	1
3139_3140	3139	3140	82.218	-12.12	0.008	-0.02	-0.284	496.237	1
3140_3140	3140	3140	6.151	-0.206	0.013	0.023	-0.334	43.4	1
3140_3141	3140	3141	80.684	-17.879	-0.013	0.048	-0.42	491.996	1
3141_3141	3141	3141	6.265	-0.206	0.013	0.015	-0.254	44.181	1
3141_3142	3141	3142	78.561	-14.227	-0.015	-0.048	-0.54	473.361	1
3142_3142	3142	3142	6.38	-0.227	0.013	0.017	-0.174	44.961	1
3142_3143	3142	3143	78.957	-16.883	-0.014	-0.043	-0.708	467.667	1
3143_3143	3143	3143	6.551	-0.235	0.014	0.025	-0.055	47.889	1
3143_3144	3143	3144	76.91	-11.991	-0.019	0.019	-0.925	441.319	1
3144_3144	3144	3144	6.724	-0.235	0.014	0.018	0.054	49.073	1
3144_3145	3144	3145	72.148	-7.583	-0.02	-0.046	-1.168	394.439	1
3145_3145	3145	3145	6.896	-0.238	0.028	0.022	0.162	50.256	1
3145_3146	3145	3146	68.283	-7.654	0.013	0.009	-1.15	352.426	1
3146_3146	3146	3146	8.896	-15.382	-0.045	-0.028	-0.534	140.323	1
3146_3147	3146	3147	62.131	-3.637	0.009	-0.047	-1.206	295.694	1
3147_3147	3147	3147	19.296	-18.538	-0.045	-0.01	-0.73	218.964	1
3147_3148	3147	3148	53.675	-5.989	-0.006	-0.033	-1.629	211.386	1
3148_3148	3148	3148	58.211	23.553	-0.008	0.119	1.726	560.989	1
3148_3149	3148	3149	22.082	2.247	0.001	0.035	-0.047	130.281	1
3149_3149	3149	3149	51.632	18.725	-0.003	0.048	1.569	372.986	1
3149_3150	3149	3150	26.301	-27.441	0.006	-0.03	-1.183	426.875	1
3150_3150	3150	3150	45.164	13.289	0	0.084	1.361	246.454	1
3150_3151	3150	3151	46.221	-24.02	-0.012	-0.054	-1.39	530.004	1
3151_3151	3151	3151	38.877	8.521	0.005	0.016	0.844	144.402	1
3151_3152	3151	3152	65.791	-17.35	-0.011	-0.019	-1.306	528.299	1
3152_3152	3152	3152	33.173	4.318	0.01	-0.009	-1.389	268.712	1
3152_3153	3152	3153	73.769	-20.467	0.012	-0.004	-1.221	567.515	1
3153_3153	3153	3153	32.913	4.276	0.008	-0.002	-1.074	234.337	1
3153_3154	3153	3154	81.988	-12.169	0.007	-0.006	-0.92	562.407	1
3154_3154	3154	3154	26.883	4.039	0.007	0	-0.962	197.396	1
3154_3155	3154	3155	87.881	-15.386	0.006	-0.018	-0.867	597.18	1
3155_3155	3155	3155	22.306	4.003	0.007	0.01	-0.886	170.073	1
3155_3156	3155	3156	87.514	-8.484	0.007	0.014	-0.804	594.701	1
3156_3156	3156	3156	17.81	3.877	0.007	0.01	-0.792	140.934	1
3156_3157	3156	3157	90.938	-12.59	0.002	0.002	-0.788	613.367	1
3157_3157	3157	3157	13.852	3.752	0.007	0.01	-0.702	114.708	1
3157_3158	3157	3158	88.368	-6.327	0.001	-0.001	-0.785	597.94	1
3158_3158	3158	3158	10.107	3.407	0.007	0.012	-0.574	85.103	1
3158_3159	3158	3159	90.625	-21.068	-0.003	-0.003	-0.806	611.258	1
3159_3159	3159	3159	12.413	-2.959	-0.007	-0.008	-0.652	94.164	1
3159_3160	3159	3160	87.043	-15.142	-0.004	-0.005	-0.833	591.621	1
3160_3160	3160	3160	15.625	-3.262	-0.007	-0.008	-0.767	120.772	1
3160_3161	3160	3161	87.21	-18.263	-0.008	-0.019	-0.907	592.937	1
3161_3161	3161	3161	19.397	-3.416	-0.007	0.001	-0.865	147.286	1
3161_3162	3161	3162	81.113	-11.971	-0.008	0.012	-0.969	557.084	1
3162_3162	3162	3162	23.326	-3.699	-0.008	0.005	-0.944	172.39	1
3162_3163	3162	3163	77.839	-13.175	-0.011	0.011	-1.068	533.993	1
3163_3163	3163	3163	27.364	-3.827	-0.009	0	-1.116	212.586	1
3163_3164	3163	3164	66.349	-8.717	-0.014	-0.018	-1.226	511.245	1
3164_3164	3164	3164	33.145	-7.318	-0.007	-0.015	0.684	93.703	1
3164_3165	3164	3165	54.054	-9.416	0.011	0.018	-1.045	471.861	1
3165_3165	3165	3165	40.758	-8.388	-0.005	-0.062	0.827	157.097	1
3165_3166	3165	3166	29.337	-3.063	0.009	0.031	-0.979	392.444	1
3166_3166	3166	3166	48.515	-12.75	-0.001	-0.041	1.108	257.276	1
3166_3167	3166	3167	24.792	-3.087	0.001	-0.03	-0.074	149.741	1
3167_3167	3167	3167	55.614	-18.519	0.004	-0.092	1.274	387.55	1
3167_3168	3167	3168	24.323	-2.664	0.001	-0.029	-0.06	179.481	1
3168_3168	3168	3168	41.965	24.089	0.035	-0.007	-0.741	339.984	1
3168_3169	3168	3169	64.62	-30.396	0.001	-0.011	-1.026	286.541	1
3169_3169	3169	3169	23.608	18.52	0.03	0.018	-0.495	210.603	1
3169_3170	3169	3170	72.008	-26.442	-0.006	0.025	-0.743	338.602	1
3170_3170	3170	3170	10.526	15.998	0.029	0.02	-0.355	136.668	1
3170_3171	3170	3171	76.463	-22.159	-0.011	0.02	-0.735	380.843	1
3171_3171	3171	3171	7.588	0.297	-0.012	-0.019	0.083	55.084	1
3171_3172	3171	3172	81.756	-22.08	0.011	0.015	-0.58	427.266	1
3172_3172	3172	3172	7.356	0.297	-0.012	-0.019	-0.015	53.641	1
3172_3173	3172	3173	84.325	-17.331	0.008	0.011	-0.455	455.025	1
3173_3173	3173	3173	7.128	0.289	-0.012	-0.019	-0.122	50.43	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3173_3174	3173	3174	84.412	-12.192	0.006	0.006	-0.363	463.898	1
3174_3174	3174	3174	6.901	0.272	-0.011	-0.012	-0.215	49.021	1
3174_3175	3174	3175	86.682	-15.885	0.008	0.056	-0.285	482.343	1
3175_3175	3175	3175	6.741	0.272	-0.011	-0.02	-0.282	48.026	1
3175_3176	3175	3176	88.271	-21.952	-0.005	-0.052	-0.236	489.443	1
3176_3176	3176	3176	6.581	0.272	-0.011	-0.012	-0.349	47.032	1
3176_3177	3176	3177	87.87	-18.088	-0.01	0.028	-0.288	481.949	1
3177_3177	3177	3177	6.421	0.272	-0.011	-0.02	-0.415	46.037	1
3177_3178	3177	3178	86.027	-14.5	-0.011	-0.054	-0.366	463.613	1
3178_3178	3178	3178	6.261	0.253	-0.012	-0.015	-0.483	45.043	1
3178_3179	3178	3179	86.497	-16.63	-0.008	-0.03	-0.455	454.886	1
3179_3179	3179	3179	6.063	0.253	-0.012	-0.015	-0.578	43.811	1
3179_3180	3179	3180	84.479	-11.893	-0.01	-0.037	-0.571	427.359	1
3180_3180	3180	3180	5.864	0.253	-0.012	-0.01	-0.673	42.579	1
3180_3181	3180	3181	79.707	-7.623	-0.014	0.008	-0.727	381.135	1
3181_3181	3181	3181	5.667	0.214	-0.014	-0.012	-0.767	41.348	1
3181_3182	3181	3182	75.706	-7.484	0.007	-0.045	-0.724	338.898	1
3182_3182	3182	3182	12.006	-13.993	-0.028	-0.004	-0.425	141.521	1
3182_3183	3182	3183	69.449	-3.645	0	-0.003	-0.8	283.657	1
3183_3183	3183	3183	23.695	-18.627	-0.032	-0.018	-0.536	213.985	1
3183_3184	3183	3184	61.856	-6.195	-0.01	-0.028	-1.225	199.647	1
3184_3184	3184	3184	59.565	29.204	-0.007	0.096	1.225	607.262	1
3184_3185	3184	3185	16.915	3.32	0.003	0.032	-0.133	120.905	1
3185_3185	3185	3185	51.251	21.61	-0.001	0.041	1.08	399.692	1
3185_3186	3185	3186	31.097	-29.006	0.003	-0.027	-0.881	382.618	1
3186_3186	3186	3186	42.561	16.459	0.006	0.071	0.971	253.11	1
3186_3187	3186	3187	54.432	-25.452	-0.015	-0.049	-1.1	493.161	1
3187_3187	3187	3187	34.901	3.875	0.002	-0.013	-1.166	264.29	1
3187_3188	3187	3188	74	-19.006	-0.015	-0.018	-1.193	523.002	1
3188_3188	3188	3188	33.882	3.377	0.006	-0.012	-1.16	229.122	1
3188_3189	3188	3189	84.052	-21.369	0.007	-0.008	-1.153	570.369	1
3189_3189	3189	3189	32.468	3.436	0.005	-0.004	-1.007	214.47	1
3189_3190	3189	3190	91.919	-13.394	0.003	-0.01	-1.025	617.69	1
3190_3190	3190	3190	27.695	3.174	0.005	0.002	-0.934	183.982	1
3190_3191	3190	3191	99.517	-15.949	0.003	-0.005	-1.017	663.026	1
3191_3191	3191	3191	24.189	3.096	0.005	0.002	-0.874	159.919	1
3191_3192	3191	3192	101.093	-9.3	0.001	-0.01	-1.029	671.227	1
3192_3192	3192	3192	20.737	2.959	0.005	0.009	-0.805	136.46	1
3192_3193	3192	3193	105.941	-24.178	-0.003	-0.011	-1.073	696.732	1
3193_3193	3193	3193	17.724	2.884	0.005	0.009	-0.737	115.963	1
3193_3194	3193	3194	104.814	-18.351	-0.005	-0.015	-1.112	690.196	1
3194_3194	3194	3194	18.862	-3.637	-0.009	-0.013	-0.926	119.413	1
3194_3195	3194	3195	107.478	-21.697	-0.008	-0.009	-1.183	706.577	1
3195_3195	3195	3195	22.649	-3.737	-0.009	-0.014	-1.037	144.852	1
3195_3196	3195	3196	104.39	-15.99	-0.009	-0.012	-1.264	688.799	1
3196_3196	3196	3196	26.547	-3.918	-0.011	0.002	-1.144	170.599	1
3196_3197	3196	3197	104.363	-18.602	-0.012	0.018	-1.374	688.935	1
3197_3197	3197	3197	31.019	-4.009	-0.011	-0.011	-1.274	200.057	1
3197_3198	3197	3198	98.335	-12.576	-0.014	-0.025	-1.498	652.132	1
3198_3198	3198	3198	35.551	-4.415	-0.011	0.002	-1.398	229.398	1
3198_3199	3198	3199	94.086	-13.286	-0.012	-0.003	-1.579	623.259	1
3199_3199	3199	3199	40.813	-4.417	-0.011	0.026	-1.63	262.588	1
3199_3200	3199	3200	82.921	-8.89	-0.013	0.024	-1.72	567.765	1
3200_3200	3200	3200	43.53	-4.796	-0.007	0.013	-1.724	285.694	1
3200_3201	3200	3201	68.225	-8.87	0.008	0.007	-1.529	521.886	1
3201_3201	3201	3201	40.975	-4.995	-0.01	0.123	-2.757	351.614	1
3201_3202	3201	3202	39.133	-2.848	0.01	0.099	-2.004	451.3	1
3202_3202	3202	3202	39.114	-13.565	0.002	-0.088	2.597	232.256	1
3202_3203	3202	3203	20.333	-0.132	-0.004	0.055	-1.88	322.366	1
3203_3203	3203	3203	47.671	-21.08	0.01	-0.195	2.918	374.13	1
3203_3204	3203	3204	14.323	-2.509	0.002	-0.06	0.386	117.941	1
3204_3204	3204	3204	43.549	24.894	0.041	0.035	-1.1	364.831	1
3204_3205	3204	3205	71.902	-29.522	0.021	0.054	-2.294	328.539	1
3205_3205	3205	3205	25.56	20.548	0.038	-0.005	-0.947	236.062	1
3205_3206	3205	3206	78.12	-25.906	0.013	-0.004	-1.623	385.886	1
3206_3206	3206	3206	12.529	15.849	0.043	0.021	-1.033	165.651	1
3206_3207	3206	3207	81.718	-21.984	0.003	0.04	-1.385	426.806	1
3207_3207	3207	3207	5.53	0.769	0.03	0.032	-1.517	63.797	1
3207_3208	3207	3208	85.982	-21.618	0.022	0.011	-1.033	471.147	1
3208_3208	3208	3208	4.952	0.765	0.029	0.032	-1.27	59.434	1
3208_3209	3208	3209	87.972	-17.217	0.016	-0.002	-0.764	498.6	1
3209_3209	3209	3209	4.377	0.753	0.029	0.038	-1.017	54.309	1
3209_3210	3209	3210	87.967	-12.44	0.009	0.053	-0.587	509.334	1
3210_3210	3210	3210	4.464	-0.681	-0.03	-0.035	-0.161	45.136	1
3210_3211	3210	3211	89.691	-15.247	0.017	-0.005	-0.439	526.757	1
3211_3211	3211	3211	4.85	-0.681	-0.03	-0.035	-0.339	47.681	1
3211_3212	3211	3212	90.559	-22.607	-0.011	-0.043	-0.363	535.177	1
3212_3212	3212	3212	5.239	-0.69	-0.03	-0.027	-0.519	51.251	1
3212_3213	3212	3213	90.297	-18.972	-0.018	0.04	-0.465	528.944	1
3213_3213	3213	3213	5.636	-0.702	-0.031	-0.038	-0.706	55.139	1
3213_3214	3213	3214	88.818	-15.58	-0.022	-0.056	-0.62	512.58	1
3214_3214	3214	3214	6.035	-0.766	-0.033	-0.028	-0.915	60.125	1
3214_3215	3214	3215	89.132	-16.991	-0.015	0.021	-0.795	503.16	1
3215_3215	3215	3215	6.613	-0.766	-0.034	-0.036	-1.182	63.939	1
3215_3216	3215	3216	87.436	-12.585	-0.019	-0.051	-1.042	476.919	1
3216_3216	3216	3216	7.191	-0.766	-0.034	-0.036	-1.452	67.754	1
3216_3217	3216	3217	83.426	-8.6	-0.025	-0.055	-1.372	433.628	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3217_3217	3217	3217	7.782	-0.846	-0.033	-0.029	-1.777	74.157	1
3217_3218	3217	3218	79.986	-8.221	-0.009	-0.033	-1.593	393.16	1
3218_3218	3218	3218	13.169	-15.328	-0.051	-0.069	-1.143	169.127	1
3218_3219	3218	3219	74.66	-4.674	-0.016	-0.1	-1.909	341.069	1
3219_3219	3219	3219	25.16	-19.773	-0.044	0.042	-1.162	238.101	1
3219_3220	3219	3220	67.888	-7.586	-0.041	0.004	-2.785	253.013	1
3220_3220	3220	3220	56.211	28.689	-0.01	0.12	2.584	578.255	1
3220_3221	3220	3221	19.441	-34.764	0.004	-0.203	-1.608	329.072	1
3221_3221	3221	3221	46.972	22.609	-0.006	0.168	2.383	363.797	1
3221_3222	3221	3222	40.183	-29.204	0.016	-0.024	-1.66	459.244	1
3222_3222	3222	3222	43.947	5.125	0.016	-0.249	-2.78	424.264	1
3222_3223	3222	3223	64.905	-25.87	-0.016	-0.312	-1.967	573.041	1
3223_3223	3223	3223	50.482	5.04	0.011	0.064	-1.678	344.431	1
3223_3224	3223	3224	89.59	-19.868	-0.008	0.083	-1.475	591.201	1
3224_3224	3224	3224	48.972	4.526	0.006	-0.105	-1.551	300.16	1
3224_3225	3224	3225	100.731	-21.758	0.003	-0.208	-1.479	641.949	1
3225_3225	3225	3225	44.08	4.687	0.007	0.046	-1.585	293.339	1
3225_3226	3225	3226	103.478	-13.122	0.004	0.087	-1.56	734.79	1
3226_3226	3226	3226	36.994	4.35	0.01	-0.052	-1.48	244.643	1
3226_3227	3226	3227	111.142	-27.309	0.001	-0.236	-1.567	784.728	1
3227_3227	3227	3227	31.941	4.259	0.011	0.054	-1.345	209.219	1
3227_3228	3227	3228	112.085	-20.76	0.002	0.109	-1.522	790.273	1
3228_3228	3228	3228	26.999	4.107	0.009	-0.015	-1.205	175.384	1
3228_3229	3228	3229	115.725	-22.846	-0.005	-0.231	-1.558	813.28	1
3229_3229	3229	3229	22.973	-3.823	-0.009	0.004	-1.145	148.458	1
3229_3230	3229	3230	111.382	-16.41	-0.004	0.128	-1.59	785.486	1
3230_3230	3230	3230	27.518	-4.098	-0.009	-0.072	-1.277	182.53	1
3230_3231	3230	3231	109.851	-17.998	-0.008	-0.206	-1.662	775.155	1
3231_3231	3231	3231	32.456	-4.257	-0.008	0.035	-1.402	219.311	1
3231_3232	3231	3232	101.164	-11.759	-0.007	0.134	-1.702	718.02	1
3232_3232	3232	3232	37.523	-4.684	-0.005	-0.058	-1.505	254.73	1
3232_3233	3232	3233	98.009	-14.539	0.009	-0.102	-1.583	695.814	1
3233_3233	3233	3233	41.092	-4.752	-0.005	-0.038	-1.546	279.625	1
3233_3234	3233	3234	92.138	-10.802	0.009	-0.064	-1.465	655.758	1
3234_3234	3234	3234	44.427	-4.712	-0.007	0.072	-2.475	305.141	1
3234_3235	3234	3235	80.295	-6.615	0.015	0.115	-2.064	596.377	1
3235_3235	3235	3235	47.317	-5.079	-0.026	-0.048	-2.538	332.817	1
3235_3236	3235	3236	72.084	-7.616	-0.072	-0.061	-2.419	562.516	1
3236_3236	3236	3236	48.305	-4.978	-0.025	0.018	-2.684	354.932	1
3236_3237	3236	3237	63.226	-5.243	-0.07	0.017	-2.716	525.869	1
3237_3237	3237	3237	41.294	-5.17	-0.038	0.309	-4.428	412.978	1
3237_3238	3237	3238	37.103	-1.745	-0.096	0.311	-4.963	488.054	1
3238_3238	3238	3238	41.822	-14.027	-0.085	-0.224	4.159	288.098	1
3238_3239	3238	3239	27.258	-7.185	0.071	-0.031	-3.771	435.115	1
3239_3239	3239	3239	47.656	-16.447	-0.087	-0.143	3.775	406.57	1
3239_3240	3239	3240	15.851	-2.439	0.061	0.191	-2.641	338.411	1
3240_3240	3240	3240	51.905	-14.805	-0.076	-0.446	3.248	554.47	1
3240_3241	3240	3241	14.211	-4.184	0.051	-0.347	-0.487	165.78	1
3241_3241	3241	3241	25.77	17.8	-0.02	-0.149	-0.683	346.01	1
3241_3242	3241	3242	84.237	-19.964	-0.02	0.002	-4.36	453.454	1
3242_3242	3242	3242	13.83	14.973	-0.017	0.027	-1.476	253.838	1
3242_3243	3242	3243	83.426	-15.831	-0.035	0.259	-3.918	458.84	1
3243_3243	3243	3243	7.071	0.662	0.078	0.042	-3.777	77.967	1
3243_3244	3243	3244	88.347	-23.236	0.128	-0.075	-2.274	521.094	1
3244_3244	3244	3244	6.543	0.661	0.078	0.071	-3.035	73.697	1
3244_3245	3244	3245	91.028	-18.245	0.105	0.091	-0.836	564.925	1
3245_3245	3245	3245	5.993	0.665	0.051	0.048	-2.242	69.238	1
3245_3246	3245	3246	93.588	-15.979	0.016	-0.2	-0.45	602.478	1
3246_3246	3246	3246	5.439	0.665	0.052	0.095	-1.736	64.842	1
3246_3247	3246	3247	93.35	-10.479	-0.005	0.19	-0.408	611.845	1
3247_3247	3247	3247	4.913	0.591	0.035	0.055	-1.166	55.13	1
3247_3248	3247	3248	93.963	-21.159	0.029	-0.238	-0.008	613.866	1
3248_3248	3248	3248	4.458	0.591	0.036	0.086	-0.846	51.52	1
3248_3249	3248	3249	92.096	-15.476	0.011	0.07	0.114	584.478	1
3249_3249	3249	3249	3.939	0.571	0.034	0.064	-0.472	47.336	1
3249_3250	3249	3250	89.779	-13.094	-0.038	-0.198	-0.366	545.535	1
3250_3250	3250	3250	4.242	-0.832	-0.019	-0.052	-1.911	80.348	1
3250_3251	3250	3251	85.731	-8.757	-0.046	0.036	-0.861	489.91	1
3251_3251	3251	3251	4.924	-0.983	-0.095	-0.106	-2.188	90.701	1
3251_3252	3251	3252	88.74	-16.535	-0.209	-0.295	-2.613	490.305	1
3252_3252	3252	3252	5.616	-0.983	-0.092	-0.049	-2.988	96.191	1
3252_3253	3252	3253	88.433	-12.001	-0.255	-0.039	-4.993	465.143	1
3253_3253	3253	3253	12.766	-14.673	-0.055	0.033	-1.785	236.361	1
3253_3254	3253	3254	86.43	-8.248	-0.271	0.027	-7.162	422.763	1
3254_3254	3254	3254	22.499	-13.572	0.018	0.661	-1.919	308.187	1
3254_3255	3254	3255	88.109	-18.457	0.243	0.432	-6.571	428.354	1
3255_3255	3255	3255	55.483	20.95	-0.334	0.454	5.43	640.368	1
3255_3256	3255	3256	20.602	-27.758	0.253	-0.285	-1.636	406.595	1
3256_3256	3256	3256	52.174	19.869	-0.329	0.532	1.918	483.395	1
3256_3257	3256	3257	29.381	-24.295	0.287	0.006	0.565	453.723	1
3257_3257	3257	3257	48.259	22.614	0.155	0.089	-0.71	375.566	1
3257_3258	3257	3258	45.18	-30.71	-0.125	-0.306	-0.515	556.194	1
3258_3258	3258	3258	44.81	5.688	-0.112	-0.1	-1.962	473.158	1
3258_3259	3258	3259	59.836	-27.075	-0.124	-0.126	-1.512	629.512	1
3259_3259	3259	3259	53.438	5.502	-0.07	0.094	-1.836	394.25	1
3259_3260	3259	3260	76.648	-25.813	-0.076	0.118	-1.198	588.583	1
3260_3260	3260	3260	53.253	5.06	0.005	-0.145	-2.046	380.515	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3260_3261	3260	3261	90.021	-25.598	-0.034	-0.197	-1.424	641.601	1
3261_3261	3261	3261	52.372	5.245	0.007	-0.049	-2.022	351.082	1
3261_3262	3261	3262	101.758	-20.929	-0.037	-0.081	-1.812	696.321	1
3262_3262	3262	3262	50.484	5.399	0.006	0.067	-1.444	298.458	1
3262_3263	3262	3263	110.022	-16.882	-0.027	0.123	-1.586	680.417	1
3263_3263	3263	3263	46.311	4.88	0.003	-0.05	-1.401	273.836	1
3263_3264	3263	3264	119.038	-17.4	0	-0.125	-1.635	734.587	1
3264_3264	3264	3264	40.77	4.852	0.003	0.008	-1.37	241.798	1
3264_3265	3264	3265	122.67	-11.371	-0.002	0.033	-1.703	757.243	1
3265_3265	3265	3265	35.017	4.594	0.005	-0.034	-1.329	207.829	1
3265_3266	3265	3266	128.37	-12.322	-0.001	-0.156	-1.752	790.689	1
3266_3266	3266	3266	29.645	4.571	0.005	0.028	-1.269	176.863	1
3266_3267	3266	3267	126.984	-6.301	0	0.103	-1.794	783.881	1
3267_3267	3267	3267	24.459	4.299	0.005	-0.004	-1.173	143.629	1
3267_3268	3267	3268	127.101	-7.53	-0.008	-0.109	-1.92	785.519	1
3268_3268	3268	3268	24.628	-4.204	-0.01	-0.003	-1.378	165.633	1
3268_3269	3268	3269	120.208	-14.902	-0.012	0.052	-2.038	748.793	1
3269_3269	3269	3269	29.532	-4.47	-0.013	-0.056	-1.501	194.994	1
3269_3270	3269	3270	114.654	-15.014	-0.001	-0.13	-1.98	716.87	1
3270_3270	3270	3270	35.114	-4.548	-0.011	0.024	-1.66	228.657	1
3270_3271	3270	3271	103.125	-9.45	0.002	0.092	-1.852	649.856	1
3271_3271	3271	3271	40.684	-4.898	0.011	-0.095	-1.796	260.537	1
3271_3272	3271	3272	97.141	-10.331	-0.017	-0.143	-1.893	614.275	1
3272_3272	3272	3272	41.275	-4.847	0.017	-0.013	-2.304	305.09	1
3272_3273	3272	3273	78.195	-6.228	-0.017	-0.003	-2.544	602.82	1
3273_3273	3273	3273	44.397	-4.796	0.018	0.148	-2.137	337.834	1
3273_3274	3273	3274	63.374	-3.051	-0.01	0.221	-2.441	535.289	1
3274_3274	3274	3274	45.156	-6.562	0.087	-0.1	-1.994	367.341	1
3274_3275	3274	3275	61.684	-13.658	0.097	-0.104	-2.156	532.211	1
3275_3275	3275	3275	39.417	-6.783	0.138	-0.037	-2.827	414.653	1
3275_3276	3275	3276	43.681	-9.749	0.14	-0.052	-1.777	550.72	1
3276_3276	3276	3276	44.359	-15.228	-0.181	-0.086	2.529	293.36	1
3276_3277	3276	3277	32.608	-5.86	0.131	0.206	-0.326	492.473	1
3277_3277	3277	3277	49.776	-13.676	0.167	-0.484	0.998	393.157	1
3277_3278	3277	3278	23.931	-9.28	-0.098	0.411	-1.108	447.007	1
3278_3278	3278	3278	52.952	-14.224	0.163	-0.471	2.777	505.53	1
3278_3279	3278	3279	15.13	-4.127	0.125	-0.275	1.923	173.547	1
3279_3279	3279	3279	21.004	13.956	-0.021	0.087	-1.3	326.363	1
3279_3280	3279	3280	90.487	-16.172	0.056	-1.569	-2.681	483.523	1
3280_3280	3280	3280	16.146	15.239	0.012	-0.102	-1.385	287.821	1
3280_3281	3280	3281	92.108	-22.227	0.012	-0.249	-2.291	509.952	1
3281_3281	3281	3281	10.146	12.505	0.02	0.021	-1.574	239.517	1
3281_3282	3281	3282	92.715	-17.29	-0.01	-0.001	-1.776	521.98	1
3282_3282	3282	3282	6.168	0.795	0.074	0.035	-0.955	-20.978	1
3282_3283	3282	3283	89.45	-12.809	-0.025	0.214	-1.729	513.812	1
3283_3283	3283	3283	7.361	0.864	0.091	0.081	-1.097	-34.669	1
3283_3284	3283	3284	77.082	-13.864	0.226	-0.269	-1.25	578.645	1
3284_3284	3284	3284	6.629	0.861	0.078	0.037	0.037	-42.263	1
3284_3285	3284	3285	72.094	-6.761	0.126	0.273	0.657	547.545	1
3285_3285	3285	3285	5.937	0.983	-0.006	0.084	0.941	-48.289	1
3285_3286	3285	3286	74.683	-22.043	-0.011	-0.337	-0.624	564.491	1
3286_3286	3286	3286	5.157	0.947	-0.022	0.017	0.822	-54.671	1
3286_3287	3286	3287	74.808	-15.836	-0.039	0.218	-1.202	541.811	1
3287_3287	3287	3287	4.495	0.94	0.064	0.069	0.497	-58.099	1
3287_3288	3287	3288	79.907	-18.954	-0.056	-0.302	-1.888	558.601	1
3288_3288	3288	3288	3.774	0.897	0.052	0.007	1.135	-62.743	1
3288_3289	3288	3289	81.889	-18.702	-0.133	0.097	-3.794	508.11	1
3289_3289	3289	3289	3.104	0.914	-0.008	0.078	1.597	-66.561	1
3289_3290	3289	3290	86.712	-23.103	-0.025	-0.356	-4.363	524.505	1
3290_3290	3290	3290	2.586	0.898	-0.015	0.035	1.488	-70.748	1
3290_3291	3290	3291	88.814	-19.231	-0.074	-0.088	-5.412	516.554	1
3291_3291	3291	3291	4.613	-13.878	-0.048	0.112	-2.831	288.772	1
3291_3292	3291	3292	89.447	-15.888	-0.123	0.13	-7.066	500.889	1
3292_3292	3292	3292	12.04	-14.417	0.054	0.795	-2.944	362.588	1
3292_3293	3292	3293	90.87	-23.198	0.283	-0.487	-6.556	507.682	1
3293_3293	3293	3293	33.116	8.43	0.034	-0.58	-3.556	797.374	1
3293_3294	3293	3294	20.396	-27.896	0.075	-0.253	-1.921	505.855	1
3294_3294	3294	3294	35.954	8.436	0.036	0.406	-3.37	731.281	1
3294_3295	3294	3295	31.018	-23.503	0.153	0.343	-0.7	594.867	1
3295_3295	3295	3295	37.87	6.21	0.059	-0.641	-2.96	658.014	1
3295_3296	3295	3296	46.006	-27.387	-0.008	-0.674	-0.165	736.422	1
3296_3296	3296	3296	39.639	6.161	0.062	0.106	-2.417	597.558	1
3296_3297	3296	3297	56.361	-37.4	-0.027	0.059	-0.317	832.516	1
3297_3297	3297	3297	45.96	6.136	0.042	0.345	-1.287	513.538	1
3297_3298	3297	3298	71.437	-34.847	-0.017	0.4	-0.357	805.041	1
3298_3298	3298	3298	44.947	4.89	-0.028	-0.21	-1.094	493.83	1
3298_3299	3298	3299	81.075	-37.454	-0.056	-0.366	-0.928	897.891	1
3299_3299	3299	3299	42.657	4.848	-0.027	-0.023	-1.339	464.85	1
3299_3300	3299	3300	87.225	-33.424	-0.05	-0.036	-1.394	962.432	1
3300_3300	3300	3300	34.582	4.866	-0.041	0.221	-2.364	472.021	1
3300_3301	3300	3301	78.243	-29.98	-0.066	0.444	-2.655	1081.707	1
3301_3301	3301	3301	32.671	4.107	0.037	-0.284	-2.652	446.568	1
3301_3302	3301	3302	86.289	-31.915	0.055	-0.74	-1.915	1188.474	1
3302_3302	3302	3302	29.943	4.049	0.038	0.172	-2.218	409.044	1
3302_3303	3302	3303	89.738	-25.617	0.054	0.47	-1.193	1234.071	1
3303_3303	3303	3303	27.216	3.595	0.018	-0.162	-1.756	372.449	1
3303_3304	3303	3304	94.855	-28.178	0.017	-0.601	-0.936	1301.9	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3304_3304	3304	3304	24.66	3.595	0.019	0.137	-1.519	338.453	1
3304_3305	3304	3305	95.149	-22.434	0.019	0.453	-0.662	1305.646	1
3305_3305	3305	3305	22.397	3.3	0.021	-0.127	-1.306	306.857	1
3305_3306	3305	3306	98.281	-11.072	0.023	-0.688	-0.399	1347.462	1
3306_3306	3306	3306	19.978	3.3	0.022	0.171	-1.026	274.676	1
3306_3307	3306	3307	96.837	-5.425	0.027	0.724	-0.055	1328.1	1
3307_3307	3307	3307	17.97	3.15	0.031	-0.067	-0.787	246.412	1
3307_3308	3307	3308	97.882	-9.219	0.021	-0.637	0.277	1341.834	1
3308_3308	3308	3308	15.777	3.15	0.031	0.146	-0.4	217.241	1
3308_3309	3308	3309	94.292	-3.231	0.023	0.626	0.592	1293.789	1
3309_3309	3309	3309	13.739	3.116	0.029	-0.013	-0.033	189.569	1
3309_3310	3309	3310	92.953	-7.226	0.03	-0.557	0.964	1275.382	1
3310_3310	3310	3310	11.708	3.086	0.03	0.125	0.317	161.254	1
3310_3311	3310	3311	86.245	-0.559	0.035	0.48	1.439	1184.882	1
3311_3311	3311	3311	9.608	3.151	0.086	0.025	0.685	131.609	1
3311_3312	3311	3312	80.101	-2.746	-0.017	-0.468	1.287	1100.982	1
3312_3312	3312	3312	7.532	3.036	0.085	0.116	1.706	100.713	1
3312_3313	3312	3313	66.957	4.817	-0.036	0.47	0.555	922.599	1
3313_3313	3313	3313	5.543	2.752	-0.047	0.035	2.619	69.379	1
3313_3314	3313	3314	49.972	10.757	0.073	-0.203	1.288	694.099	1
3314_3314	3314	3314	3.715	2.418	-0.026	0.073	2.088	40.382	1
3314_3315	3314	3315	23.045	20.452	0.073	0.446	1.792	328.603	1
3315_3315	3315	3315	2.59	-3.184	-0.286	-0.298	2.338	-3.909	1
3315_3316	3315	3316	1.802	-2.952	-0.057	-0.233	0	7.059	1
3400_3020	3400	3020	65.602	-6.815	-0.636	0.056	-24.387	-75.413	1
3400_3401	3400	3401	12.191	0.87	-1.023	-0.028	9.368	65.732	1
3401_3401	3401	3401	65.535	-5.488	1.805	-0.396	-26.151	-47.508	1
3401_3402	3401	3402	12.17	0.918	-0.647	0.071	6.899	62.531	1
3402_3402	3402	3402	65.651	-3.913	1.689	0.03	-19.873	-28.357	1
3402_3403	3402	3403	12.143	1.21	-0.67	0.018	-0.379	49.319	1
3403_3403	3403	3403	60.08	-1.975	0.061	-0.109	-1.543	14.371	1
3403_3404	3403	3404	12.513	1.626	0.026	0.023	-0.089	38.245	1
3404_3404	3404	3404	60.11	-0.603	0.013	-0.061	-1.094	28.602	1
3404_3405	3404	3405	12.472	1.911	0.015	0.056	0.031	24.452	1
3405_3405	3405	3405	56.367	1.14	0.092	-0.09	-1.211	32.956	1
3405_3406	3405	3406	12.828	2.39	-0.033	0.042	-0.346	-9.789	1
3406_3406	3406	3406	53.565	2.913	-0.482	-0.117	-0.13	16.535	1
3406_3407	3406	3407	13.225	2.883	0.668	0.106	5.679	-35.361	1
3407_3407	3407	3407	53.494	3.998	-0.586	-0.045	-4.41	-9.254	1
3407_3408	3407	3408	13.165	3.151	0.641	-0.075	9.215	-52.889	1
3408_3408	3408	3408	53.873	-4.481	-2.039	0.271	8.358	-74.833	1
3408_3409	3408	3409	14.066	0.24	-0.65	0.721	7.693	-53.564	1
3409_3409	3409	3409	54.061	5.391	-2.111	-0.203	2.187	-61.277	1
3409_3410	3409	3410	14.11	0.059	-0.249	-0.673	6.926	-53.93	1
3410_3410	3410	3410	56.751	-5.7	0.345	0.115	-4.029	-67.861	1
3410_3411	3410	3411	14.359	-2.944	-0.453	0.143	4.059	-37.439	1
3411_3411	3411	3411	56.861	-4.49	0.201	0.071	-2.07	-36.207	1
3411_3412	3411	3412	14.417	-2.637	-0.491	-0.035	-0.25	-14.06	1
3412_3412	3412	3412	60.571	-2.661	-0.062	0.084	-0.096	3.59	1
3412_3413	3412	3413	15.109	-2.133	0.006	0.027	-0.169	16.752	1
3413_3413	3413	3413	65.315	-0.873	0.05	0.026	-0.837	41.941	1
3413_3414	3413	3414	15.835	-1.615	0.056	0.005	0.229	28.307	1
3414_3414	3414	3414	65.318	0.642	-0.084	0.136	-0.51	48.236	1
3414_3415	3414	3415	15.868	-1.248	0.022	0.058	0.369	37.301	1
3415_3415	3415	3415	71.91	2.651	-2.037	-0.061	-0.984	43.613	1
3415_3416	3415	3416	16.676	-0.785	-1.2	-0.039	-12.704	45.701	1
3416_3416	3416	3416	71.826	4.355	-2.061	0.495	-23.218	14.663	1
3416_3417	3416	3417	16.689	-0.39	-1.205	0.278	-16.904	47.057	1
3417_3417	3417	3417	71.949	5.63	0.704	-0.066	-31.335	-0.506	1
3417_3036	3417	3036	16.732	-0.391	-0.798	-0.045	-20.732	48.656	1
3420_3056	3420	3056	70.471	-5.869	-1.084	0.06	-19.645	-40.211	1
3420_3421	3420	3421	17.216	0.012	0.947	0.036	-11.238	33.953	1
3421_3421	3421	3421	70.371	-4.676	1.685	-0.378	-22.992	-16.186	1
3421_3422	3421	3422	17.165	-0.001	0.823	-0.189	-7.883	33.957	1
3422_3422	3422	3422	70.463	-3.005	1.647	0.028	-17.121	0.119	1
3422_3423	3422	3423	17.161	0.406	0.813	0.017	1.005	29.519	1
3423_3423	3423	3423	63.294	-1.104	-0.067	-0.094	0.736	32.943	1
3423_3424	3423	3424	15.98	0.852	-0.071	-0.034	0.458	23.382	1
3424_3424	3424	3424	63.303	0.341	-0.131	-0.059	0.265	40.893	1
3424_3425	3424	3425	15.956	1.216	-0.087	-0.021	-0.164	14.605	1
3425_3425	3425	3425	58.274	1.991	0.062	-0.08	-0.801	38.432	1
3425_3426	3425	3426	14.87	1.69	-0.031	-0.025	-0.602	-9.76	1
3426_3426	3426	3426	54.33	3.787	-0.172	-0.09	-0.067	9.278	1
3426_3427	3426	3427	13.863	2.175	0.483	0.007	3.646	-29.035	1
3427_3427	3427	3427	54.242	4.845	-0.21	-0.072	-1.614	-23.347	1
3427_3428	3427	3428	13.816	2.457	0.474	-0.086	6.268	-42.693	1
3428_3428	3428	3428	51.164	-6.031	1.556	0.148	-3.223	-51.445	1
3428_3429	3428	3429	13.136	-0.368	0.19	0.752	7.127	-41.773	1
3429_3429	3429	3429	50.977	4.904	1.871	-0.252	1.764	-42.75	1
3429_3430	3429	3430	13.062	0.119	0.713	-0.797	9.292	-42.321	1
3430_3430	3430	3430	53.468	-4.564	0.208	0.037	-3.465	-45.066	1
3430_3431	3430	3431	12.468	-2.26	-0.486	0.055	3.66	-26.814	1
3431_3431	3431	3431	53.552	-3.447	0.277	0.11	-2.32	-19.7	1
3431_3432	3431	3432	12.513	-2	-0.469	0.012	-0.511	-9.097	1
3432_3432	3432	3432	57.275	-1.744	-0.073	0.082	0.301	10.842	1
3432_3433	3432	3433	12.985	-1.559	0.025	0.026	-0.144	13.403	1
3433_3433	3433	3433	62.017	-0.104	0.064	0.096	-0.604	35.977	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3433_3434	3433	3434	13.491	-1.113	0.076	0.042	0.367	21.352	1
3434_3434	3434	3434	62.002	1.338	0.124	0.063	-0.128	36.731	1
3434_3435	3434	3435	13.513	-0.799	0.089	0.013	1.019	27.109	1
3435_3435	3435	3435	68.799	3.193	-1.688	-0.027	0.928	27.088	1
3435_3436	3435	3436	14.108	-0.392	-0.959	-0.037	-9.459	31.045	1
3436_3436	3436	3436	68.697	4.874	-1.814	0.386	-17.497	-7.779	1
3436_3437	3436	3437	14.112	-0.047	-0.985	0.252	-12.915	31.203	1
3437_3437	3437	3437	68.847	5.96	0.923	-0.062	-24.928	-24.81	1
3437_3072	3437	3072	14.158	-0.045	-0.434	-0.038	-15.33	31.386	1
3440_3094	3440	3094	67.968	-5.834	-1.214	0.061	-14.635	-45.349	1
3440_3441	3440	3441	15.549	0.087	0.497	0.043	-10.705	35.11	1
3441_3441	3441	3441	67.844	-4.671	1.369	-0.338	-18.484	-21.457	1
3441_3442	3441	3442	15.502	0.09	0.775	-0.179	-7.385	34.799	1
3442_3442	3442	3442	67.937	-3.025	1.365	-0.005	-13.712	-5.157	1
3442_3443	3442	3443	15.495	0.466	0.774	0.003	1.063	29.718	1
3443_3443	3443	3443	61.251	-1.242	-0.117	-0.088	1.03	27.859	1
3443_3444	3443	3444	14.753	0.882	-0.085	-0.027	0.42	23.363	1
3444_3444	3444	3444	61.263	0.182	-0.105	-0.1	0.182	36.81	1
3444_3445	3444	3445	14.729	1.224	-0.082	-0.041	-0.174	14.533	1
3445_3445	3445	3445	56.657	1.762	0.065	-0.099	-0.693	35.501	1
3445_3446	3445	3446	14.069	1.694	-0.026	-0.031	-0.524	-9.834	1
3446_3446	3446	3446	53.028	3.439	-0.173	-0.12	0.087	10.101	1
3446_3447	3446	3447	13.482	2.174	0.392	-0.023	2.917	-29.156	1
3447_3447	3447	3447	52.946	4.528	-0.117	-0.07	-1.434	-20.359	1
3447_3448	3447	3448	13.434	2.451	0.406	-0.053	5.189	-42.776	1
3448_3448	3448	3448	50.12	-6.089	1.419	0.386	-2.57	-46.629	1
3448_3449	3448	3449	13.172	-0.329	0.044	0.927	5.637	-41.99	1
3449_3449	3449	3449	49.904	5.21	2.094	-0.444	1.735	-28.334	1
3449_3450	3449	3450	13.112	0.113	0.651	-0.98	7.615	-42.432	1
3450_3450	3450	3450	50.876	-4.319	0.395	0.053	-5.451	-43.508	1
3450_3451	3450	3451	12.444	-2.594	-0.554	0.004	4.1	-28.019	1
3451_3451	3451	3451	50.954	-3.272	0.411	0.126	-3.256	-19.496	1
3451_3452	3451	3452	12.495	-2.338	-0.55	-0.072	-0.774	-7.309	1
3452_3452	3452	3452	54.589	-1.676	-0.088	0.097	0.562	9.484	1
3452_3453	3452	3453	12.187	-1.875	0.072	-0.046	0.193	19.758	1
3453_3453	3453	3453	59.199	-0.18	0.096	0.091	-0.542	33.642	1
3453_3454	3453	3454	11.933	-1.43	-0.043	-0.048	-0.234	29.966	1
3454_3454	3454	3454	59.187	1.195	0.084	0.094	0.151	34.943	1
3454_3455	3454	3455	11.963	-1.152	-0.046	-0.036	-0.566	38.272	1
3455_3455	3455	3455	65.857	2.896	-1.188	0.014	0.951	26.329	1
3455_3456	3455	3456	11.715	-0.773	0.426	-0.021	3.939	46.222	1
3456_3456	3456	3456	65.766	4.491	-1.25	0.301	-12.011	-5.282	1
3456_3457	3456	3457	11.731	-0.488	0.414	-0.072	5.371	47.927	1
3457_3457	3457	3457	65.904	5.613	1.014	-0.051	-17.326	-20.945	1
3457_3110	3457	3110	11.763	-0.437	0.748	0.026	8.68	49.716	1
3460_3132	3460	3132	77.724	-10.1	-1.743	0.032	-6.111	-66.613	1
3460_3461	3460	3461	19.165	-1.195	-0.106	0.023	-8.929	37.059	1
3461_3461	3461	3461	77.938	-5.627	0.871	-0.249	-13.6	-17.106	1
3461_3462	3461	3462	19.143	-0.348	0.597	-0.117	-6.218	38.272	1
3462_3462	3462	3462	78.05	-3.756	0.942	0.002	-10.564	2.519	1
3462_3463	3462	3463	19.145	0.112	0.615	-0.002	0.484	37.052	1
3463_3463	3463	3463	72.596	-1.756	0.001	-0.074	-0.489	44.718	1
3463_3464	3463	3464	18.759	0.706	-0.042	-0.021	0.069	32.061	1
3464_3464	3464	3464	72.617	-0.068	0.008	-0.069	-0.488	57.371	1
3464_3465	3464	3465	18.738	1.142	-0.04	-0.026	-0.221	23.826	1
3465_3465	3465	3465	69.369	1.727	0.011	-0.071	-0.544	57.863	1
3465_3466	3465	3466	18.46	1.749	-0.013	-0.017	-0.348	-1.312	1
3466_3466	3466	3466	67.319	3.646	0.268	-0.056	-0.498	32.971	1
3466_3467	3466	3467	18.23	2.342	0.191	-0.004	1.399	-22.071	1
3467_3467	3467	3467	67.23	5.029	0.257	-0.094	1.871	0.686	1
3467_3468	3467	3468	18.178	2.717	0.188	-0.036	2.443	-37.17	1
3468_3468	3468	3468	65.945	-9.193	0.515	0.128	3.435	-27.272	1
3468_3469	3468	3469	18.286	-1.174	-0.432	0.385	1.345	-33.833	1
3469_3469	3469	3469	60.877	9.155	-0.516	0.067	3.349	18.779	1
3469_3470	3469	3470	16.91	1.619	0.294	-0.245	1.542	-19.525	1
3470_3470	3470	3470	62.448	-3.985	-0.146	0.079	1.734	-8.904	1
3470_3471	3470	3471	17.015	-2.007	-0.113	0.019	0.796	-8.37	1
3471_3471	3471	3471	62.517	-2.7	-0.136	0.058	0.924	13.245	1
3471_3472	3471	3472	17.052	-1.657	-0.11	0.004	-0.18	6.304	1
3472_3472	3472	3472	64.822	-0.933	-0.024	0.065	-0.177	37.151	1
3472_3473	3472	3473	17.397	-1.128	0.008	0.01	-0.093	22.563	1
3473_3473	3473	3473	68.418	0.704	0.07	0.059	-0.481	50.609	1
3473_3474	3473	3474	17.863	-0.602	0.047	0.014	0.199	26.823	1
3474_3474	3474	3474	68.383	2.294	0.062	0.063	0.021	45.534	1
3474_3475	3474	3475	17.873	-0.186	0.045	0.012	0.525	28.166	1
3475_3475	3475	3475	74.219	4.171	-0.843	-0.008	0.497	29.003	1
3475_3476	3475	3476	18.443	0.301	-0.33	0.015	-3.104	24.66	1
3476_3476	3476	3476	74.1	5.95	-0.666	0.242	-8.723	-16.541	1
3476_3477	3476	3477	18.431	0.744	-0.285	0.029	-4.082	22.068	1
3477_3477	3477	3477	74.181	7.069	1.476	-0.037	-11.813	-37.31	1
3477_3148	3477	3148	18.482	0.738	-0.343	-0.019	-5.776	19.041	1
3480_3168	3480	3168	77.877	-7.372	-1.064	0.046	-7.254	-65.024	1
3480_3481	3480	3481	20.292	-0.768	0.5	0.02	-4.498	28.449	1
3481_3481	3481	3481	77.744	-6.24	0.724	-0.215	-10.983	-34.834	1
3481_3482	3481	3482	20.251	-0.75	0.308	-0.046	-3.162	31.068	1
3482_3482	3482	3482	77.87	-4.373	0.826	0.005	-8.455	-13.071	1
3482_3483	3482	3483	20.263	-0.264	0.335	-0.011	0.487	33.954	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3483_3483	3483	3483	72.187	-2.308	-0.069	-0.053	0.473	34.691	1
3483_3484	3483	3484	19.932	0.307	-0.046	-0.009	0.153	31.909	1
3484_3484	3484	3484	72.222	-0.596	-0.06	-0.059	-0.03	51.326	1
3484_3485	3484	3485	19.919	0.78	-0.043	-0.017	-0.157	26.293	1
3485_3485	3485	3485	68.749	1.205	0.02	-0.059	-0.533	55.615	1
3485_3486	3485	3486	19.651	1.386	-0.011	-0.009	-0.291	6.351	1
3486_3486	3486	3486	66.587	3.138	0.185	-0.051	-0.379	38.242	1
3486_3487	3486	3487	19.488	2.016	0.169	0.001	1.202	-11.551	1
3487_3487	3487	3487	66.508	4.507	0.174	-0.075	1.258	10.456	1
3487_3488	3487	3488	19.443	2.417	0.166	-0.025	2.122	-24.984	1
3488_3488	3488	3488	65.093	-9.537	0.602	-0.009	2.28	-14.596	1
3488_3489	3488	3489	19.552	-1.766	-0.19	0.311	1.661	-19.645	1
3489_3489	3489	3489	67.411	9.885	-0.342	-0.082	3.861	15.215	1
3489_3490	3489	3490	17.084	1.444	0.486	-0.404	2.861	-28.064	1
3490_3490	3490	3490	68.948	-4.656	-0.219	0.08	2.739	-14.676	1
3490_3491	3490	3491	17.099	-2.206	-0.209	0.033	1.502	-15.393	1
3491_3491	3491	3491	69.029	-3.237	-0.208	0.047	1.524	11.2	1
3491_3492	3491	3492	17.14	-1.854	-0.206	0.005	-0.323	1.026	1
3492_3492	3492	3492	71.357	-1.228	-0.02	0.057	-0.226	39.86	1
3492_3493	3492	3493	17.401	-1.313	0.016	0.015	-0.138	19.952	1
3493_3493	3493	3493	75.046	0.694	0.07	0.052	-0.469	57.574	1
3493_3494	3493	3494	17.759	-0.781	0.07	0.021	0.305	25.582	1
3494_3494	3494	3494	75.01	2.405	0.064	0.055	0.038	52.571	1
3494_3495	3494	3495	17.772	-0.375	0.069	0.017	0.8	28.284	1
3495_3495	3495	3495	80.987	4.614	-0.823	0.004	0.523	35.258	1
3495_3496	3495	3496	18.236	0.132	-0.515	-0.012	-4.853	26.499	1
3496_3496	3496	3496	80.851	6.555	-0.928	0.187	-8.452	-15.139	1
3496_3497	3496	3497	18.227	0.569	-0.539	0.14	-6.741	24.512	1
3497_3497	3497	3497	80.92	7.749	1.275	-0.047	-12.425	-37.998	1
3497_3184	3497	3184	18.26	0.565	-0.098	-0.028	-7.555	22.197	1
3500_3204	3500	3204	76.156	-6.583	-0.374	0.089	-15.828	-46.105	1
3500_3501	3500	3501	14.502	0.03	0.65	0.04	-7.29	29.983	1
3501_3501	3501	3501	76.057	-5.353	1.263	-0.308	-16.811	-19.169	1
3501_3502	3501	3502	14.474	0.019	0.546	-0.161	-5.178	29.908	1
3502_3502	3502	3502	76.166	-3.526	1.149	-0.011	-12.407	-0.488	1
3502_3503	3502	3503	14.47	0.367	0.524	0.008	0.557	25.904	1
3503_3503	3503	3503	68.841	-1.31	-0.009	-0.124	0.005	38.014	1
3503_3504	3503	3504	13.619	0.748	-0.036	-0.037	0.268	20.512	1
3504_3504	3504	3504	68.853	0.291	-0.097	-0.062	-0.044	47.458	1
3504_3505	3504	3505	13.597	1.064	-0.054	-0.017	-0.11	12.836	1
3505_3505	3505	3505	63.376	2.261	0.079	-0.097	-0.931	45.361	1
3505_3506	3505	3506	12.793	1.482	-0.011	-0.025	-0.282	-8.442	1
3506_3506	3506	3506	58.931	4.224	-0.284	-0.113	0.023	12.784	1
3506_3507	3506	3507	13.111	2.255	0.721	0.092	5.69	-24.802	1
3507_3507	3507	3507	58.831	5.435	-0.294	-0.065	-2.496	-24.619	1
3507_3508	3507	3508	13.062	2.524	0.719	-0.029	9.686	-38.83	1
3508_3508	3508	3508	55.341	-6.108	-1.843	0.344	7.691	-44.149	1
3508_3509	3508	3509	13.866	-0.339	-0.709	1.293	7.809	-37.745	1
3509_3509	3509	3509	55.474	6.699	-1.873	-0.314	2.113	-25.613	1
3509_3510	3509	3510	13.926	0.611	-0.179	-1.245	7.256	-39.586	1
3510_3510	3510	3510	59.446	-5.081	0.212	0.065	-3.229	-44.593	1
3510_3511	3510	3511	14.434	-2.354	-0.523	0.089	4.058	-26.334	1
3511_3511	3511	3511	59.538	-3.858	0.221	0.109	-2.052	-16.351	1
3511_3512	3511	3512	14.48	-2.057	-0.52	0.009	-0.551	-8.124	1
3512_3512	3512	3512	64.29	-1.867	-0.047	0.09	0.022	17.809	1
3512_3513	3512	3513	15.244	-1.551	0.029	0.035	-0.134	14.268	1
3513_3513	3513	3513	70.072	0.123	0.046	0.083	-0.582	44.725	1
3513_3514	3513	3514	16.078	-1.058	0.058	0.039	0.268	21.844	1
3514_3514	3514	3514	70.051	1.751	0.038	0.093	-0.249	43.841	1
3514_3515	3514	3515	16.099	-0.685	0.056	0.035	0.673	26.778	1
3515_3515	3515	3515	77.731	4.023	-1.114	0.013	0.065	31.217	1
3515_3516	3515	3516	17.066	-0.237	-0.759	-0.005	-7.62	29.237	1
3516_3516	3516	3516	77.612	5.802	-1.151	0.3	-12.137	-10.431	1
3516_3517	3516	3517	17.066	0.172	-0.766	0.19	-10.295	28.635	1
3517_3517	3517	3517	77.64	7.024	0.501	-0.096	-16.729	-30.696	1
3517_3220	3517	3220	17.087	0.164	-0.291	-0.047	-11.899	27.949	1
3520_3241	3520	3241	78.403	-7.119	-1.079	0.074	-23.486	-65.091	1
3520_3521	3520	3521	17.838	-0.055	0.161	0.315	-12.947	36.995	1
3521_3521	3521	3521	77.618	-6.24	2.054	-0.43	-27.803	-36.081	1
3521_3522	3521	3522	17.647	-0.041	0.893	-0.308	-9.618	36.984	1
3522_3522	3522	3522	77.749	-4.398	1.862	0.023	-20.663	-14.325	1
3522_3523	3522	3523	17.646	0.378	0.848	0.013	-0.332	32.865	1
3523_3523	3523	3523	72.515	-1.833	0.125	-0.169	-0.676	33.615	1
3523_3524	3523	3524	17.131	0.919	0.035	-0.094	-0.079	26.192	1
3524_3524	3524	3524	72.538	-0.12	-0.115	-0.019	0.273	46.834	1
3524_3525	3524	3525	17.104	1.324	-0.023	-0.006	-0.215	16.653	1
3525_3525	3525	3525	67.722	2.181	0.026	-0.09	-0.848	47.633	1
3525_3526	3525	3526	16.47	1.865	0.036	-0.039	0.295	-10.138	1
3526_3526	3526	3526	63.617	4.196	-0.938	-0.129	-0.761	18.644	1
3526_3527	3526	3527	15.842	2.402	0.254	0.015	2.543	-31.439	1
3527_3527	3527	3527	63.512	5.534	-1.099	0.017	-9.088	-18.505	1
3527_3528	3527	3528	15.788	2.735	0.212	-0.115	3.686	-46.629	1
3528_3528	3528	3528	62.855	-6.826	-1.563	1.902	20.942	-54.962	1
3528_3529	3528	3529	15.748	-0.55	0.077	0.573	4.057	-45.067	1
3529_3529	3529	3529	63.032	7.234	-0.733	-1.723	16.168	-33.533	1
3529_3530	3529	3530	15.712	0.299	0.297	-0.607	4.965	-45.806	1
3530_3530	3530	3530	67.767	-6.076	-0.789	0.244	13.507	-49.471	1

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3530_3531	3530	3531	15.092	-2.99	-0.314	0.045	3.081	-29.293	1
3531_3531	3531	3531	67.878	-4.637	-0.962	0.011	9.144	-15.72	1
3531_3532	3531	3532	15.152	-2.669	-0.355	-0.092	-0.029	-5.647	1
3532_3532	3532	3532	72.506	-2.142	0.049	0.08	0.412	25.379	1
3532_3533	3532	3533	15.299	-1.613	-0.005	0.043	0.104	15.162	1
3533_3533	3533	3533	77.871	0.364	-0.004	0.069	0.852	56.24	1
3533_3534	3533	3534	16.235	-1.136	0.002	0.031	0.053	23.268	1
3534_3534	3534	3534	77.845	1.891	-0.048	0.085	0.886	57.795	1
3534_3535	3534	3535	16.258	-0.751	-0.009	0.045	-0.015	28.685	1
3535_3535	3535	3535	84.165	4.499	-1.073	0.011	0.258	44.134	1
3535_3536	3535	3536	17.574	-0.385	-0.79	-0.052	-8.734	32.85	1
3536_3536	3536	3536	84.024	6.566	-1.4	0.272	-11.439	-4.986	1
3536_3537	3536	3537	17.575	0.048	-0.86	0.293	-11.77	32.673	1
3537_3537	3537	3537	83.293	13.376	-1.088	-0.361	-16.994	-28.246	1
3537_3255	3537	3255	17.446	1.201	-0.256	-0.179	-13.404	25.496	1
3540_3279	3540	3279	80.323	-10.85	1.215	1.288	-10.384	-82.11	1
3540_3541	3540	3541	19.646	-1.106	0.617	0.415	-6.521	39.471	1
3541_3541	3541	3541	80.997	-6.165	0.5	-0.129	-4.719	-28.872	1
3541_3542	3541	3542	19.718	-0.123	0.454	-0.208	-4.88	39.48	1
3542_3542	3542	3542	81.12	-4.256	0.377	-0.071	-2.982	-7.393	1
3542_3543	3542	3543	19.716	0.342	0.424	-0.032	-0.237	35.75	1
3543_3543	3543	3543	77.007	-2.034	-0.014	-0.111	0.807	30.998	1
3543_3544	3543	3544	19.166	1.009	0.021	-0.077	-0.16	28.817	1
3544_3544	3544	3544	77.033	-0.246	-0.104	-0.074	0.72	45.653	1
3544_3545	3544	3545	19.137	1.454	-0.002	-0.04	-0.162	18.337	1
3545_3545	3545	3545	72.661	2.029	-0.077	-0.074	-0.411	45.591	1
3545_3546	3545	3546	18.274	2.07	0.017	-0.037	0.034	-11.544	1
3546_3546	3546	3546	69.205	4.754	-1.803	-0.159	-1.878	16.194	1
3546_3547	3546	3547	17.545	2.747	-0.305	-0.005	-2.724	-35.999	1
3547_3547	3547	3547	69.082	6.242	-1.974	0.164	-17.879	-25.905	1
3547_3548	3547	3548	17.481	3.124	-0.35	-0.032	-4.706	-53.33	1
3548_3548	3548	3548	64.285	-7.968	2.021	-3.004	-29.591	-64.24	1
3548_3549	3548	3549	17.003	-0.594	0.505	-0.29	-3.292	-51.314	1
3549_3549	3549	3549	63.879	5.838	0.341	3.15	-23.659	-50.499	1
3549_3550	3549	3550	16.906	0.102	0.287	0.359	-2.464	-51.93	1
3550_3550	3550	3550	63.584	-4.654	-1.13	0.259	19.797	-13.97	1
3550_3551	3550	3551	15.803	-3.476	0.165	0.007	-1.416	-32.181	1
3551_3551	3551	3551	63.67	-3.488	-1.348	-0.006	13.343	8.051	1
3551_3552	3551	3552	15.879	-3.116	0.108	-0.067	-0.461	-5.95	1
3552_3552	3552	3552	66.462	-0.272	-0.118	0.089	1.832	39.456	1
3552_3553	3552	3553	15.526	-2.445	0.139	-0.071	1.514	28.581	1
3553_3553	3553	3553	69.773	2.199	-0.121	0.051	-0.028	45.406	1
3553_3554	3553	3554	15.224	-1.826	0.113	-0.111	2.257	41.336	1
3554_3554	3554	3554	69.693	4	-0.297	0.15	-0.903	29.929	1
3554_3555	3554	3555	15.266	-1.433	0.072	-0.063	2.729	51.429	1
3555_3555	3555	3555	73.219	7.058	-0.484	0.062	-3.3	1.718	1
3555_3556	3555	3556	14.802	-0.809	0.385	-0.032	6.803	59.618	1
3556_3556	3556	3556	72.996	9.081	-0.452	0.329	-8.454	-73.457	1
3556_3557	3556	3557	14.818	-0.399	0.392	-0.247	8.149	60.983	1
3557_3557	3557	3557	72.148	13.26	0.093	0.29	-10.338	-104.528	1
3557_3293	3557	3293	15.022	0.199	-0.186	-0.096	7.115	58.998	1
43000_3000	43000	3000	1.298	21.323	-0.721	1.013	0	9.785	1
43000_3001	43000	3001	0.474	3.299	-0.455	0.924	-6.781	-45.537	1
43001_3001	43001	3001	1.298	21.323	-0.722	0.65	-10.75	-308.283	1
43001_3002	43001	3002	0.473	3.299	-0.455	0.871	-11.513	-79.837	1
43002_3002	43002	3002	1.31	25.822	0.782	1.406	-18.259	-529.984	1
43002_3003	43002	3003	0.482	3.261	0.653	0.904	-3.575	-119.491	1
43003_3003	43003	3003	1.311	25.822	0.78	-0.058	-8.748	-843.993	1
43003_3004	43003	3004	0.483	3.261	0.652	0.697	4.358	-159.17	1
43004_3004	43004	3004	1.307	34.901	0.236	1.264	0.74	-1158.154	1
43004_3005	43004	3005	0.481	3.281	0.344	0.821	8.538	-199.087	1
43005_3005	43005	3005	1.307	-1.899	0.235	-0.188	3.615	-1582.734	1
43005_3006	43005	3006	0.481	3.281	0.343	0.638	12.715	-239.029	1
43006_3006	43006	3006	1.307	9.872	0.163	1.896	6.477	-1559.6	1
43006_3007	43006	3007	0.48	3.256	0.219	0.85	15.373	-278.635	1
43007_3007	43007	3007	1.307	-9.804	0.161	-1.013	8.463	-1679.671	1
43007_3008	43007	3008	0.481	3.256	0.218	0.368	18.023	-318.264	1
43008_3008	43008	3008	1.307	-19.252	0.148	0.799	10.422	-1560.454	1
43008_3009	43008	3009	0.481	3.248	0.184	0.587	20.258	-357.795	1
43009_3009	43009	3009	1.307	-24.917	0.147	-0.283	12.22	-1326.195	1
43009_3010	43009	3010	0.481	3.248	0.183	0.295	22.488	-397.315	1
43010_3010	43010	3010	1.308	-17.015	0.176	0.786	14.005	-1023.058	1
43010_3011	43010	3011	0.481	3.281	0.193	0.603	24.838	-437.233	1
43011_3011	43011	3011	1.308	-17.015	0.174	-0.546	16.145	-816.066	1
43011_3012	43011	3012	0.481	3.281	0.192	-0.11	27.178	-477.139	1
43012_3012	43012	3012	1.308	-12.329	0.198	0.067	18.258	-609.093	1
43012_3013	43012	3013	0.482	3.468	0.24	0.201	30.097	-519.353	1
43013_3013	43013	3013	1.309	-12.329	0.197	-0.308	20.663	-459.034	1
43013_3014	43013	3014	0.482	3.468	0.239	-0.223	33.012	-561.554	1
43014_3014	43014	3014	1.309	-9.952	0.261	-0.106	23.055	-308.995	1
43014_3015	43014	3015	0.482	3.894	0.155	0.231	35.564	-625.634	1
43015_3015	43015	3015	1.558	-43.375	0.306	-1.824	40.618	-1301.867	1
43015_3016	43015	3016	0.448	3.898	0.154	-1.049	36.829	-657.489	1
43016_3016	43016	3016	2.174	-39.619	0.023	0.379	43.097	-1168.955	1
43016_3017	43016	3017	0.358	4.899	0.065	0.449	37.623	-715.075	1
43017_3017	43017	3017	3.441	-46.384	-0.037	-1.642	41.742	-1020.926	1
43017_3018	43017	3018	0.238	4.907	0.064	-1.314	38.434	-780.217	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43018_3018	43018	3018	4.739	-49.122	0.232	-0.193	38.376	-750.31	1
43018_3019	43018	3019	0.192	-1.15	-0.139	-0.13	-19.624	308.619	1
43019_3019	43019	3019	6.697	-56.628	0.199	-1.656	37.751	-472.075	1
43019_3020	43019	3020	0.222	-1.145	-0.139	0.872	-21.322	323.004	1
43020_3020	43020	3020	12.027	-1.034	-0.458	-0.189	32.929	-149.209	1
43020_3021	43020	3021	60.636	2.101	1.055	0.952	-59.386	27.548	1
43021_3021	43021	3021	12.026	-1.034	-0.481	-0.339	28.577	-136.486	1
43021_3022	43021	3022	60.638	2.101	0.939	0.778	-52.107	25.911	1
43022_3022	43022	3022	12.026	-1.034	-0.481	-0.339	24.845	-128.471	1
43022_3023	43022	3023	60.638	2.101	0.939	0.778	-44.829	9.625	1
43023_3023	43023	3023	12.026	-0.963	-0.306	-0.35	21.113	-120.456	1
43023_3024	43023	3024	60.64	2.553	1.118	1.08	-35.884	-10.804	1
43024_3024	43024	3024	12.026	-0.963	-0.306	-0.35	18.663	-112.749	1
43024_3025	43024	3025	60.64	2.553	1.118	1.08	-26.939	-31.23	1
43025_3025	43025	3025	12.026	-0.963	-0.32	-0.467	16.213	-105.043	1
43025_3026	43025	3026	60.641	2.553	1.05	1.045	-18.547	-51.629	1
43026_3026	43026	3026	12.026	-0.952	-0.293	-0.29	13.66	-97.348	1
43026_3027	43026	3027	60.642	3.14	1.3	1.266	-10.747	-70.471	1
43027_3027	43027	3027	12.025	-0.952	-0.313	-0.442	11.902	-91.636	1
43027_3028	43027	3028	60.644	3.14	1.199	1.15	-3.552	-89.315	1
43028_3028	43028	3028	12.025	-0.952	-0.313	-0.442	10.026	-85.925	1
43028_3029	43028	3029	60.644	3.14	1.199	1.15	3.643	-108.157	1
43029_3029	43029	3029	12.025	-0.952	-0.333	-0.575	8.149	-80.213	1
43029_3030	43029	3030	60.646	3.14	1.099	0.97	10.233	-126.997	1
43030_3030	43030	3030	12.025	-0.943	-0.291	-0.419	6.153	-74.504	1
43030_3031	43030	3031	60.646	3.519	1.192	1.269	19.778	-155.177	1
43031_3031	43031	3031	12.025	-0.943	-0.304	-0.495	3.826	-66.953	1
43031_3032	43031	3032	60.648	3.519	1.124	1.095	28.766	-183.321	1
43032_3032	43032	3032	12.025	-0.943	-0.319	-0.568	1.394	-59.412	1
43032_3033	43032	3033	60.649	3.519	1.048	0.867	37.149	-211.461	1
43033_3033	43033	3033	12.021	-0.935	-0.645	-0.353	-1.157	-51.874	1
43033_3034	43033	3034	60.649	3.794	1.131	1.178	45.911	-240.855	1
43034_3034	43034	3034	12.019	-0.935	-0.677	-0.473	-6.153	-44.628	1
43034_3035	43034	3035	60.652	3.794	0.968	0.529	53.416	-270.279	1
43035_3035	43035	3035	12.019	-0.935	-0.67	-0.622	-11.406	-40.432	1
43035_3036	43035	3036	60.652	3.794	1.003	0.939	62.943	-321.756	1
43036_3036	43036	3036	23.837	44.766	-0.154	1.353	34.601	636.496	1
43036_3037	43036	3037	12.137	-7.604	0.016	1.666	32.237	-814.653	1
43037_3037	43037	3037	22.703	42.841	-0.164	0.609	33.351	166.388	1
43037_3038	43037	3038	12.333	-7.282	0.004	0.111	32.379	-723.341	1
43038_3038	43038	3038	21.867	44.648	0.202	1.697	32.369	-221.718	1
43038_3039	43038	3039	12.549	-6.244	0.006	1.325	32.344	-640.589	1
43039_3039	43039	3039	20.479	32.627	0.152	-0.08	35.853	-622.106	1
43039_3040	43039	3040	12.698	-5.934	-0.011	-0.301	32.256	-569.522	1
43040_3040	43040	3040	19.742	17.126	-0.271	1.244	37.154	-910.537	1
43040_3041	43040	3041	12.799	-4.876	-0.226	0.781	30.37	-529.331	1
43041_3041	43041	3041	19.628	4.901	-0.281	-0.018	35.467	-1039.341	1
43041_3042	43041	3042	12.841	-4.763	-0.239	0.039	26.552	-449.406	1
43042_3042	43042	3042	19.629	-3.925	-0.123	0.48	30.961	-1117.852	1
43042_3043	43042	3043	12.843	-4.195	-0.076	0.158	25.646	-399.266	1
43043_3043	43043	3043	19.629	-21.585	-0.139	-0.413	29.491	-1070.93	1
43043_3044	43043	3044	12.843	-4.195	-0.086	-0.175	24.613	-349.12	1
43044_3044	43044	3044	19.63	-13.882	-0.049	0.389	27.827	-812.981	1
43044_3045	43044	3045	12.843	-3.985	-0.093	0.023	23.507	-301.5	1
43045_3045	43045	3045	19.63	-13.882	-0.083	-0.734	27.245	-647.065	1
43045_3046	43045	3046	12.842	-3.985	-0.115	-0.501	22.134	-253.84	1
43046_3046	43046	3046	19.63	-9.45	-0.066	-0.316	26.255	-481.044	1
43046_3047	43046	3047	12.842	-3.914	-0.115	-0.422	20.757	-207.082	1
43047_3047	43047	3047	19.63	-9.45	-0.067	-0.341	25.472	-368.135	1
43047_3048	43047	3048	12.842	-3.914	-0.116	-0.436	19.368	-160.282	1
43048_3048	43048	3048	19.63	-7.383	-0.054	-0.486	24.672	-255.147	1
43048_3049	43048	3049	12.842	-3.971	-0.123	-0.56	17.898	-112.803	1
43049_3049	43049	3049	19.63	-7.383	-0.053	-0.475	24.021	-166.87	1
43049_3050	43049	3050	12.842	-3.971	-0.122	-0.553	16.439	-65.362	1
43050_3050	43050	3050	19.631	-6.823	-0.063	-0.561	23.385	-78.658	1
43050_3051	43050	3051	12.842	-4.103	-0.152	-0.565	14.006	0.275	1
43051_3051	43051	3051	19.687	-6.658	-0.073	-0.741	22.37	28.543	1
43051_3052	43051	3052	12.876	-3.996	-0.159	-0.698	12.69	31.987	1
43052_3052	43052	3052	19.797	-6.569	-0.242	-0.52	21.763	83.495	1
43052_3053	43052	3053	12.944	-4.023	-0.289	-0.486	9.292	79.285	1
43053_3053	43053	3053	19.957	-6.063	-0.256	-0.972	18.899	154.337	1
43053_3054	43053	3054	13.042	-3.693	-0.298	-0.763	5.326	124.086	1
43054_3054	43054	3054	20.122	-5.837	0.008	-0.949	15.505	234.737	1
43054_3055	43054	3055	13.145	-3.571	0.055	-0.727	6.011	168.849	1
43055_3055	43055	3055	20.267	-5.312	-0.023	-0.866	15.628	307.911	1
43055_3056	43055	3056	13.233	-3.228	0.035	-0.615	6.455	209.402	1
43056_3056	43056	3056	11.383	-0.862	-0.23	-0.215	18.109	-128.732	1
43056_3057	43056	3057	52.228	1.598	0.927	1.055	-47.196	-26.096	1
43057_3057	43057	3057	11.382	-0.862	-0.244	-0.357	15.927	-119.933	1
43057_3058	43057	3058	52.229	1.598	0.86	0.975	-40.537	-35.673	1
43058_3058	43058	3058	11.382	-0.862	-0.244	-0.357	14.035	-113.257	1
43058_3059	43058	3059	52.229	1.598	0.86	0.975	-33.879	-48.056	1
43059_3059	43059	3059	11.383	-0.819	-0.093	-0.313	12.143	-106.582	1
43059_3060	43059	3060	52.231	2.112	0.977	1.24	-26.054	-64.971	1
43060_3060	43060	3060	11.383	-0.819	-0.106	-0.429	11.401	-100.027	1
43060_3061	43060	3061	52.232	2.112	0.916	1.165	-18.726	-81.863	1
43061_3061	43061	3061	11.383	-0.819	-0.106	-0.429	10.554	-93.481	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43061_3062	43061	3062	52.232	2.112	0.916	1.165	-11.399	-98.753	1
43062_3062	43062	3062	11.383	-0.814	-0.118	-0.411	9.707	-86.936	1
43062_3063	43062	3063	52.235	2.822	1.051	1.306	-5.09	-115.694	1
43063_3063	43063	3063	11.383	-0.814	-0.118	-0.411	9	-82.049	1
43063_3064	43063	3064	52.235	2.822	1.051	1.306	1.219	-132.635	1
43064_3064	43064	3064	11.383	-0.814	-0.118	-0.411	8.294	-77.162	1
43064_3065	43064	3065	52.235	2.822	1.051	1.306	7.528	-149.575	1
43065_3065	43065	3065	11.382	-0.814	-0.135	-0.524	7.587	-72.274	1
43065_3066	43065	3066	52.237	2.822	0.97	1.073	13.337	-166.487	1
43066_3066	43066	3066	11.383	-0.814	-0.093	-0.447	6.775	-67.397	1
43066_3067	43066	3067	52.237	3.334	0.959	1.387	21.014	-193.18	1
43067_3067	43067	3067	11.383	-0.814	-0.093	-0.447	6.033	-60.884	1
43067_3068	43067	3068	52.237	3.334	0.959	1.387	28.69	-219.872	1
43068_3068	43068	3068	11.383	-0.814	-0.12	-0.579	5.291	-54.369	1
43068_3069	43068	3069	52.239	3.334	0.833	0.855	35.345	-246.53	1
43069_3069	43069	3069	11.379	-0.822	-0.385	-0.434	4.33	-47.867	1
43069_3070	43069	3070	52.239	3.617	0.992	1.345	43.034	-274.575	1
43070_3070	43070	3070	11.379	-0.822	-0.399	-0.485	1.343	-41.494	1
43070_3071	43070	3071	52.241	3.617	0.928	1.012	50.221	-302.581	1
43071_3071	43071	3071	11.378	-0.822	-0.414	-0.562	-1.747	-35.988	1
43071_3072	43071	3072	52.242	3.617	0.86	0.681	58.395	-340.902	1
43072_3072	43072	3072	19.412	46.479	-0.248	1.442	34.435	530.518	1
43072_3073	43072	3073	7.064	-6.375	-0.137	1.653	30.817	-786.246	1
43073_3073	43073	3073	18.195	46.969	-0.26	0.584	31.347	-53.432	1
43073_3074	43073	3074	7.228	-6.189	-0.143	0.224	29.104	-708.666	1
43074_3074	43074	3074	17.09	44.11	0.115	1.916	29.97	-284.768	1
43074_3075	43074	3075	7.409	-5.489	-0.026	1.435	28.659	-635.906	1
43075_3075	43075	3075	15.558	31.961	0.08	-0.206	32.169	-683.482	1
43075_3076	43075	3076	7.546	-5.298	-0.039	-0.366	28.253	-571.125	1
43076_3076	43076	3076	15.002	16.96	-0.095	1.991	32.583	-956.29	1
43076_3077	43076	3077	7.637	-4.281	-0.073	1.14	27.628	-535.886	1
43077_3077	43077	3077	14.874	1.796	-0.135	-0.551	31.31	-1081.847	1
43077_3078	43077	3078	7.673	-4.216	-0.088	-0.198	26.356	-477.297	1
43078_3078	43078	3078	14.873	-16.95	-0.153	0.026	29.349	-1108.029	1
43078_3079	43078	3079	7.672	-3.924	-0.138	0.032	24.811	-433.23	1
43079_3079	43079	3079	14.873	-16.95	-0.153	0.026	27.635	-917.631	1
43079_3080	43079	3080	7.672	-3.924	-0.138	0.032	23.267	-389.15	1
43080_3080	43080	3080	14.874	-10.953	-0.074	0.121	25.921	-727.191	1
43080_3081	43080	3081	7.672	-3.7	-0.108	-0.028	22.056	-347.555	1
43081_3081	43081	3081	14.874	-10.953	-0.086	-0.392	25.094	-604.053	1
43081_3082	43081	3082	7.672	-3.7	-0.114	-0.323	20.773	-305.995	1
43082_3082	43082	3082	14.874	-7.408	-0.077	-0.113	24.127	-481.012	1
43082_3083	43082	3083	7.672	-3.609	-0.121	-0.242	19.314	-262.429	1
43083_3083	43083	3083	14.874	-7.408	-0.09	-0.452	23.196	-391.583	1
43083_3084	43083	3084	7.672	-3.609	-0.127	-0.468	17.774	-218.825	1
43084_3084	43084	3084	14.874	-5.793	-0.102	-0.321	22.11	-302.087	1
43084_3085	43084	3085	7.672	-3.611	-0.134	-0.405	16.27	-178.275	1
43085_3085	43085	3085	14.874	-5.793	-0.116	-0.541	20.965	-237.037	1
43085_3086	43085	3086	7.672	-3.611	-0.141	-0.57	14.686	-137.687	1
43086_3086	43086	3086	14.874	-5.295	-0.072	-0.534	19.663	-171.937	1
43086_3087	43086	3087	7.672	-3.67	-0.12	-0.537	13.338	-96.447	1
43087_3087	43087	3087	14.874	-5.295	-0.085	-0.631	18.849	-112.429	1
43087_3088	43087	3088	7.672	-3.67	-0.127	-0.619	11.917	-55.243	1
43088_3088	43088	3088	14.874	-5.362	-0.06	-0.649	17.893	-52.976	1
43088_3089	43088	3089	7.672	-3.75	-0.11	-0.583	10.375	-2.777	1
43089_3089	43089	3089	14.92	-5.234	-0.072	-0.764	17.046	24.869	1
43089_3090	43089	3090	7.704	-3.684	-0.117	-0.653	9.407	29.095	1
43090_3090	43090	3090	15.014	-5.373	-0.297	-0.617	16.444	68.083	1
43090_3091	43090	3091	7.768	-3.721	-0.307	-0.526	5.796	72.827	1
43091_3091	43091	3091	15.147	-5.361	-0.312	-0.91	14.153	134.991	1
43091_3092	43091	3092	7.858	-3.525	-0.314	-0.656	1.616	118.299	1
43092_3092	43092	3092	15.754	-46.897	0.324	-0.503	27.62	-632.828	1
43092_3093	43092	3093	7.956	-3.494	0.038	-0.629	2.084	162.117	1
43093_3093	43093	3093	16.974	-46.47	0.315	-1.365	31.662	-44.654	1
43093_3094	43093	3094	8.045	-3.285	0.032	-0.558	2.485	203.375	1
43094_3094	43094	3094	12.365	0.672	0.336	0.503	-5.403	-35.008	1
43094_3095	43094	3095	51.776	1.848	0.851	1.011	-42.572	-8.085	1
43095_3095	43095	3095	12.365	0.672	0.31	0.403	-2.205	-40.903	1
43095_3096	43095	3096	51.778	1.848	0.742	0.964	-36.828	-20.322	1
43096_3096	43096	3096	12.365	0.672	0.31	0.402	0.198	-46.108	1
43096_3097	43096	3097	51.778	1.848	0.74	0.964	-31.091	-34.649	1
43097_3097	43097	3097	12.365	0.672	0.115	0.466	2.602	-51.32	1
43097_3098	43097	3098	51.779	2.337	0.918	1.179	-23.743	-53.356	1
43098_3098	43098	3098	12.365	0.672	0.1	0.397	3.526	-56.699	1
43098_3099	43098	3099	51.78	2.337	0.855	1.114	-16.907	-72.038	1
43099_3099	43099	3099	12.365	0.672	0.1	0.395	4.329	-62.069	1
43099_3100	43099	3100	51.781	2.337	0.853	1.112	-10.077	-90.743	1
43100_3100	43100	3100	12.365	0.656	0.098	0.098	5.129	-67.446	1
43100_3101	43100	3101	51.782	3.041	0.805	0.729	-5.245	-108.995	1
43101_3101	43101	3101	12.365	0.656	0.098	0.098	5.72	-71.385	1
43101_3102	43101	3102	51.782	3.041	0.805	0.729	-0.414	-127.248	1
43102_3102	43102	3102	12.364	0.656	0.202	0.729	6.311	-75.32	1
43102_3103	43102	3103	51.773	3.041	1.239	1.795	7.012	-145.465	1
43103_3103	43103	3103	12.364	0.656	0.181	0.593	7.522	-79.255	1
43103_3104	43103	3104	51.775	3.041	1.15	1.545	13.915	-163.725	1
43104_3104	43104	3104	12.364	0.644	0.149	0.409	8.607	-83.195	1
43104_3105	43104	3105	51.775	3.571	0.981	1.323	21.767	-192.31	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43105_3105	43105	3105	12.364	0.644	0.134	0.302	9.803	-88.347	1
43105_3106	43105	3106	51.776	3.571	0.918	1.09	29.109	-220.859	1
43106_3106	43106	3106	12.364	0.644	0.134	0.298	10.877	-93.492	1
43106_3107	43106	3107	51.777	3.571	0.916	1.081	36.443	-249.443	1
43107_3107	43107	3107	12.365	0.678	0.223	0.295	11.95	-98.645	1
43107_3108	43107	3108	51.779	3.849	0.919	1.035	43.571	-279.288	1
43108_3108	43108	3108	12.365	0.678	0.224	0.299	13.681	-103.902	1
43108_3109	43108	3109	51.779	3.849	0.921	1.045	50.704	-309.091	1
43109_3109	43109	3109	12.365	0.678	0.211	0.195	15.414	-109.811	1
43109_3110	43109	3110	51.78	3.849	0.867	0.765	58.94	-348.432	1
43110_3110	43110	3110	19.694	45.283	-0.347	1.414	40.515	507.098	1
43110_3111	43110	3111	7.901	2.198	-0.044	0.336	4.091	121.673	1
43111_3111	43111	3111	18.541	41.025	-0.368	0.507	37.642	97.947	1
43111_3112	43111	3112	7.841	2.403	-0.057	0.425	3.372	91.535	1
43112_3112	43112	3112	17.71	43.053	0.079	1.632	34.067	-274.415	1
43112_3113	43112	3113	7.773	2.46	0.171	0.42	5.647	58.892	1
43113_3113	43113	3113	16.367	4.77	0.127	0.464	15.915	128.497	1
43113_3114	43113	3114	7.709	2.654	0.161	0.324	7.551	28.99	1
43114_3114	43114	3114	16.281	4.644	-0.042	0.622	17.411	72.462	1
43114_3115	43114	3115	7.662	2.616	0.038	0.422	7.868	7.402	1
43115_3115	43115	3115	16.241	4.784	-0.04	0.469	17.073	33.445	1
43115_3116	43115	3116	7.671	-4.519	-0.252	0.176	25.196	-459.516	1
43116_3116	43116	3116	16.241	4.668	-0.007	0.47	16.491	-35.941	1
43116_3117	43116	3117	7.67	-4.129	-0.148	0.331	23.532	-413.092	1
43117_3117	43117	3117	16.241	4.668	-0.036	0.314	16.406	-88.419	1
43117_3118	43117	3118	7.67	-4.129	-0.162	-0.398	21.717	-366.713	1
43118_3118	43118	3118	16.241	5.218	-0.006	0.444	16.001	-140.857	1
43118_3119	43118	3119	7.67	-3.982	-0.164	0.044	19.869	-321.988	1
43119_3119	43119	3119	16.241	5.218	-0.035	0.089	15.937	-199.466	1
43119_3120	43119	3120	7.67	-3.982	-0.178	-0.53	17.869	-277.263	1
43120_3120	43120	3120	16.24	7.073	-0.012	0.281	15.549	-258.052	1
43120_3121	43120	3121	7.67	-3.909	-0.178	-0.326	15.719	-230.07	1
43121_3121	43121	3121	16.24	7.073	-0.026	-0.003	15.402	-343.435	1
43121_3122	43121	3122	7.67	-3.909	-0.184	-0.517	13.492	-182.878	1
43122_3122	43122	3122	16.24	11.223	-0.021	0.286	15.092	-428.817	1
43122_3123	43122	3123	7.669	-3.916	-0.18	-0.474	11.471	-138.893	1
43123_3123	43123	3123	16.24	11.223	-0.036	-0.213	14.855	-554.863	1
43123_3124	43123	3124	7.669	-3.916	-0.187	-0.599	9.37	-94.871	1
43124_3124	43124	3124	16.24	18.384	0.071	0.68	14.454	-681.023	1
43124_3125	43124	3125	7.669	-3.972	-0.164	-0.544	7.528	-50.263	1
43125_3125	43125	3125	16.24	10.037	0.042	-0.901	15.25	-887.487	1
43125_3126	43125	3126	7.669	-3.972	-0.178	-0.634	5.533	-5.654	1
43126_3126	43126	3126	16.242	-7.555	0.041	0.141	15.721	-1000.123	1
43126_3127	43126	3127	7.669	-4.063	-0.204	-0.607	2.711	50.454	1
43127_3127	43127	3127	16.391	-17.571	0.021	-1.06	16.275	-891.541	1
43127_3128	43127	3128	7.702	-3.998	-0.213	-0.515	0.947	85.439	1
43128_3128	43128	3128	16.99	-32.074	0.053	0.096	16.645	-847.147	1
43128_3129	43128	3129	7.771	-4.098	-0.258	-0.64	-2.099	133.601	1
43129_3129	43129	3129	18.483	-44.26	0.019	-1.465	17.029	-658.513	1
43129_3130	43129	3130	7.873	-3.898	-0.274	-0.395	-5.744	182.853	1
43130_3130	43130	3130	19.466	-45.316	-0.494	-0.591	17.028	-343.243	1
43130_3131	43130	3131	7.982	-3.956	-0.215	-0.708	-8.753	236.746	1
43131_3131	43131	3131	21.023	-46.633	-0.512	-0.807	10.587	156.012	1
43131_3132	43131	3132	8.108	-3.688	-0.22	-0.255	-11.338	280.082	1
43132_3132	43132	3132	13.963	0.123	-0.12	0.041	7.275	-75.036	1
43132_3133	43132	3133	57.582	-0.335	-0.696	0.162	-18.582	-100.212	1
43133_3133	43133	3133	13.963	0.123	-0.102	0.161	6.041	-73.29	1
43133_3134	43133	3134	57.582	-0.335	-0.622	0.425	-23.403	-85.198	1
43134_3134	43134	3134	13.963	0.123	0.06	1.02	5.251	-74.235	1
43134_3135	43134	3135	57.586	-0.335	0.044	1.41	-23.062	-82.581	1
43135_3135	43135	3135	13.963	0.095	0.131	0.359	5.715	-75.202	1
43135_3136	43135	3136	57.57	0.936	0.795	0.845	-16.702	-90.086	1
43136_3136	43136	3136	13.963	0.095	0.131	0.359	6.764	-75.96	1
43136_3137	43136	3137	57.57	0.936	0.795	0.845	-10.342	-97.579	1
43137_3137	43137	3137	13.963	0.095	0.114	0.265	7.813	-76.719	1
43137_3138	43137	3138	57.571	0.936	0.724	0.725	-4.556	-105.063	1
43138_3138	43138	3138	13.964	0.082	0.036	0.3	8.723	-77.477	1
43138_3139	43138	3139	57.572	1.581	0.649	0.859	-0.663	-114.545	1
43139_3139	43139	3139	13.964	0.082	0.036	0.3	8.938	-77.969	1
43139_3140	43139	3140	57.572	1.581	0.649	0.859	3.229	-124.034	1
43140_3140	43140	3140	13.964	0.082	0.013	0.169	9.153	-78.462	1
43140_3141	43140	3141	57.573	1.581	0.553	0.652	6.546	-133.524	1
43141_3141	43141	3141	13.964	0.082	0.036	0.301	9.229	-78.954	1
43141_3142	43141	3142	57.572	1.581	0.649	0.875	10.438	-143.012	1
43142_3142	43142	3142	13.964	0.097	0.05	0.253	9.444	-79.447	1
43142_3143	43142	3143	57.572	2.036	0.606	0.802	15.289	-159.297	1
43143_3143	43143	3143	13.964	0.097	0.032	0.152	9.84	-80.227	1
43143_3144	43143	3144	57.573	2.036	0.534	0.603	19.564	-175.587	1
43144_3144	43144	3144	13.964	0.097	0.05	0.254	10.097	-81.006	1
43144_3145	43144	3145	57.572	2.036	0.606	0.822	24.414	-191.875	1
43145_3145	43145	3145	13.963	0.12	0.114	0.118	10.494	-81.787	1
43145_3146	43145	3146	57.574	2.196	0.485	0.461	28.175	-208.901	1
43146_3146	43146	3146	13.963	0.12	0.132	0.225	11.374	-82.718	1
43146_3147	43146	3147	57.573	2.196	0.559	0.73	32.511	-225.923	1
43147_3147	43147	3147	13.963	0.12	0.118	0.165	12.394	-86.282	1
43147_3148	43147	3148	57.574	2.196	0.503	0.602	37.288	-257.645	1
43148_3148	43148	3148	32.944	32.964	-0.189	0.797	24.155	815.67	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43148_3149	43148	3149	16.637	2.654	0.012	0.31	-0.352	200.171	1
43149_3149	43149	3149	32.072	32.539	-0.178	0.231	21.882	429.587	1
43149_3150	43149	3150	16.561	3.089	0.012	0.322	-0.199	161.446	1
43150_3150	43150	3150	31.46	34.916	0.063	0.634	19.938	94.463	1
43150_3151	43150	3151	16.678	-6.248	-0.05	0.473	21.645	-546.502	1
43151_3151	43151	3151	30.562	35.705	0.073	0.2	20.787	-359.197	1
43151_3152	43151	3152	16.831	-5.822	-0.044	0.112	21.123	-472.573	1
43152_3152	43152	3152	30.074	39.201	-0.105	0.205	21.194	-547.721	1
43152_3153	43152	3153	16.929	-4.899	-0.15	0.11	19.881	-432.139	1
43153_3153	43153	3153	29.744	2.653	-0.098	0.267	20.327	-867.746	1
43153_3154	43153	3154	16.97	-4.757	-0.146	0.069	17.878	-364.81	1
43154_3154	43154	3154	29.744	13.363	-0.12	0.508	18.983	-904.204	1
43154_3155	43154	3155	16.969	-4.433	-0.11	0.03	16.672	-316.045	1
43155_3155	43155	3155	29.744	-5.853	-0.147	-0.448	17.664	-1051.214	1
43155_3156	43155	3156	16.969	-4.433	-0.125	-0.258	15.296	-267.279	1
43156_3156	43156	3156	29.743	-14.869	-0.069	-0.154	16.047	-986.827	1
43156_3157	43156	3157	16.969	-4.321	-0.11	-0.265	14.197	-224.027	1
43157_3157	43157	3157	29.743	-22.456	-0.069	-0.154	15.36	-837.964	1
43157_3158	43157	3158	16.969	-4.321	-0.11	-0.265	13.097	-180.774	1
43158_3158	43158	3158	29.742	-15.519	-0.029	-0.248	14.672	-613.088	1
43158_3159	43158	3159	16.969	-4.286	-0.118	-0.356	11.916	-137.87	1
43159_3159	43159	3159	29.742	-15.519	-0.029	-0.256	14.383	-457.726	1
43159_3160	43159	3160	16.969	-4.286	-0.118	-0.358	10.731	-94.922	1
43160_3160	43160	3160	29.742	-11.567	0.031	-0.232	14.088	-302.252	1
43160_3161	43160	3161	16.969	-4.326	-0.093	-0.387	9.705	-47.369	1
43161_3161	43161	3161	29.742	-11.567	0.004	-0.394	14.431	-175.109	1
43161_3162	43161	3162	16.969	-4.326	-0.109	-0.431	8.505	0.229	1
43162_3162	43162	3162	29.743	-9.894	-0.038	-0.302	14.471	-47.851	1
43162_3163	43162	3163	16.971	-4.435	-0.183	-0.37	5.984	61.219	1
43163_3163	43163	3163	29.942	-39.492	0.13	0.227	21.262	-857.56	1
43163_3164	43163	3164	17.007	-4.294	-0.167	-0.49	4.607	95.61	1
43164_3164	43164	3164	30.446	-36.304	-0.117	-0.233	22.962	-763.199	1
43164_3165	43164	3165	17.078	-4.243	-0.231	-0.287	1.887	145.483	1
43165_3165	43165	3165	31.349	-35.526	-0.101	-0.625	21.584	-344.297	1
43165_3166	43165	3166	17.179	-3.812	-0.222	-0.47	-1.077	191.556	1
43166_3166	43166	3166	31.998	-34.744	0.222	-0.256	19.795	10.034	1
43166_3167	43166	3167	17.275	-3.518	0.022	-0.368	-0.806	235.662	1
43167_3167	43167	3167	32.893	-33.898	0.222	-0.845	22.56	445.587	1
43167_3168	43167	3168	17.361	-3.067	0.022	-0.347	-0.538	274.193	1
43168_3168	43168	3168	12.175	-0.22	-0.109	-0.108	12.29	-73.32	1
43168_3169	43168	3169	55.356	-1.913	-0.468	-0.443	31.515	-207.413	1
43169_3169	43169	3169	12.175	-0.22	-0.126	-0.176	11.25	-68.537	1
43169_3170	43169	3170	55.355	-1.913	-0.543	-0.605	27.306	-180.359	1
43170_3170	43170	3170	12.175	-0.22	-0.126	-0.176	10.274	-66.829	1
43170_3171	43170	3171	55.355	-1.913	-0.543	-0.605	23.098	-165.533	1
43171_3171	43171	3171	12.174	-0.206	-0.063	-0.197	9.298	-65.123	1
43171_3172	43171	3172	55.358	-1.79	-0.594	-0.679	18.351	-151.234	1
43172_3172	43172	3172	12.174	-0.206	-0.063	-0.198	8.792	-63.479	1
43172_3173	43172	3173	55.358	-1.79	-0.595	-0.682	13.589	-136.911	1
43173_3173	43173	3173	12.174	-0.206	-0.063	-0.198	8.285	-61.834	1
43173_3174	43173	3174	55.358	-1.79	-0.595	-0.682	8.827	-122.587	1
43174_3174	43174	3174	12.174	-0.204	-0.08	-0.284	7.777	-60.189	1
43174_3175	43174	3175	55.358	-1.383	-0.731	-0.812	4.438	-114.283	1
43175_3175	43175	3175	12.174	-0.204	-0.06	-0.185	7.295	-58.964	1
43175_3176	43175	3176	55.36	-1.383	-0.639	-0.621	0.602	-105.986	1
43176_3176	43176	3176	12.174	-0.204	-0.08	-0.282	6.936	-57.739	1
43176_3177	43176	3177	55.358	-1.383	-0.731	-0.798	-3.787	-97.686	1
43177_3177	43177	3177	12.174	-0.204	-0.06	-0.188	6.454	-56.514	1
43177_3178	43177	3178	55.36	-1.383	-0.639	-0.635	-7.623	-89.388	1
43178_3178	43178	3178	12.174	-0.202	-0.041	-0.255	6.094	-55.29	1
43178_3179	43178	3179	55.357	-0.737	-0.5	-0.633	-11.624	-83.494	1
43179_3179	43179	3179	12.174	-0.202	-0.041	-0.255	5.762	-53.674	1
43179_3180	43179	3180	55.357	-0.737	-0.5	-0.633	-15.624	-77.602	1
43180_3180	43180	3180	12.174	-0.202	-0.057	-0.32	5.431	-52.058	1
43180_3181	43180	3181	55.356	-0.737	-0.569	-0.73	-20.178	-71.708	1
43181_3181	43181	3181	12.177	-0.208	-0.21	-0.26	4.978	-50.443	1
43181_3182	43181	3182	55.351	-0.164	-0.382	-0.47	-23.133	-70.444	1
43182_3182	43182	3182	12.176	-0.208	-0.226	-0.324	3.352	-48.835	1
43182_3183	43182	3183	55.35	-0.164	-0.454	-0.563	-26.655	-69.175	1
43183_3183	43183	3183	12.177	-0.208	-0.222	-0.349	1.601	-49.385	1
43183_3184	43183	3184	55.35	-0.164	-0.437	-0.619	-30.811	-77.443	1
43184_3184	43184	3184	25.413	39.441	-0.2	0.839	23.997	890.84	1
43184_3185	43184	3185	9.185	3.648	0.045	0.377	-2.111	191.82	1
43185_3185	43185	3185	24.379	40.088	-0.2	0.28	21.496	395.317	1
43185_3186	43185	3186	9.087	3.885	0.045	0.432	-1.536	143.117	1
43186_3186	43186	3186	23.579	40.047	0.237	0.709	19.489	53.798	1
43186_3187	43186	3187	8.976	3.942	0.322	0.513	2.741	90.819	1
43187_3187	43187	3187	22.525	38.147	0.224	0.225	22.644	-366.296	1
43187_3188	43187	3188	8.874	-4.712	0.012	0.1	21.662	-414.522	1
43188_3188	43188	3188	21.9	35.864	-0.031	0.282	25.152	-708.663	1
43188_3189	43188	3189	8.954	-3.92	-0.1	0.182	20.831	-382.164	1
43189_3189	43189	3189	21.614	9.596	-0.035	0.31	24.939	-888.687	1
43189_3190	43189	3190	8.986	-3.847	-0.098	0.125	19.487	-327.753	1
43190_3190	43190	3190	21.615	9.203	-0.071	0.106	24.459	-1020.564	1
43190_3191	43190	3191	8.985	-3.51	-0.078	-0.017	18.629	-289.141	1
43191_3191	43191	3191	21.615	-17.581	-0.071	0.106	23.68	-1121.811	1
43191_3192	43191	3192	8.985	-3.51	-0.078	-0.017	17.77	-250.525	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43192_3192	43192	3192	21.614	-18.408	-0.049	-0.135	22.901	-928.391	1
43192_3193	43192	3193	8.985	-3.359	-0.086	-0.197	16.903	-216.696	1
43193_3193	43193	3193	21.614	-18.412	-0.049	-0.135	22.407	-742.997	1
43193_3194	43193	3194	8.985	-3.359	-0.086	-0.197	16.037	-182.867	1
43194_3194	43194	3194	21.613	-13.071	0.043	-0.255	21.913	-557.564	1
43194_3195	43194	3195	8.985	-3.311	-0.066	-0.322	15.373	-149.522	1
43195_3195	43195	3195	21.613	-13.071	0.043	-0.255	22.345	-425.923	1
43195_3196	43195	3196	8.985	-3.311	-0.066	-0.322	14.709	-116.174	1
43196_3196	43196	3196	21.612	-9.981	0.086	-0.441	22.777	-294.312	1
43196_3197	43196	3197	8.986	-3.334	-0.088	-0.444	13.743	-79.533	1
43197_3197	43197	3197	21.612	-9.981	0.106	-0.276	23.725	-184.61	1
43197_3198	43197	3198	8.986	-3.334	-0.08	-0.373	12.864	-42.857	1
43198_3198	43198	3198	21.613	-8.708	0.046	-0.4	24.886	-74.807	1
43198_3199	43198	3199	8.987	-3.431	-0.132	-0.409	11.054	4.322	1
43199_3199	43199	3199	21.683	-8.533	0.04	-0.587	25.511	40.149	1
43199_3200	43199	3200	9.014	-3.358	-0.134	-0.528	9.946	30.032	1
43200_3200	43200	3200	21.809	-7.995	-0.061	-0.318	25.849	110.574	1
43200_3201	43200	3201	9.07	-3.378	-0.188	-0.36	7.736	69.714	1
43201_3201	43201	3201	22.569	-40.074	-0.077	-1.281	39.377	-552.705	1
43201_3202	43201	3202	9.151	-3.152	-0.191	-0.59	5.189	108.638	1
43202_3202	43202	3202	23.291	-37.352	0.325	-0.517	38.068	-67.551	1
43202_3203	43202	3203	9.229	-3.057	0.033	-0.456	5.603	146.96	1
43203_3203	43203	3203	24.237	-36.745	0.325	-1.593	42.114	400.639	1
43203_3204	43203	3204	9.304	-2.82	0.033	-0.599	6.003	182.387	1
43204_3204	43204	3204	12.901	-0.689	-0.25	-0.325	20.961	-102.785	1
43204_3205	43204	3205	54.381	-2.924	-0.933	-1.08	54.048	-270.315	1
43205_3205	43205	3205	12.901	-0.689	-0.237	-0.161	18.586	-92.475	1
43205_3206	43205	3206	54.381	-2.924	-0.879	-0.557	47.231	-231.789	1
43206_3206	43206	3206	12.901	-0.689	-0.254	-0.274	16.747	-87.133	1
43206_3207	43206	3207	54.38	-2.924	-0.95	-0.856	39.871	-209.124	1
43207_3207	43207	3207	12.901	-0.672	-0.223	-0.334	14.779	-81.794	1
43207_3208	43207	3208	54.387	-2.782	-1.095	-1.062	31.106	-186.875	1
43208_3208	43208	3208	12.901	-0.672	-0.223	-0.332	12.995	-76.418	1
43208_3209	43208	3209	54.387	-2.782	-1.094	-1.058	22.36	-164.644	1
43209_3209	43209	3209	12.901	-0.672	-0.239	-0.422	11.216	-71.048	1
43209_3210	43209	3210	54.386	-2.782	-1.163	-1.267	13.052	-142.384	1
43210_3210	43210	3210	12.901	-0.676	-0.201	-0.387	9.303	-65.674	1
43210_3211	43210	3211	54.387	-2.447	-1.064	-1.137	6.664	-127.702	1
43211_3211	43211	3211	12.901	-0.676	-0.201	-0.387	8.095	-61.616	1
43211_3212	43211	3212	54.387	-2.447	-1.064	-1.137	0.277	-113.02	1
43212_3212	43212	3212	12.9	-0.676	-0.223	-0.483	6.887	-57.557	1
43212_3213	43212	3213	54.385	-2.447	-1.155	-1.325	-6.654	-98.336	1
43213_3213	43213	3213	12.901	-0.676	-0.201	-0.394	5.55	-53.499	1
43213_3214	43213	3214	54.387	-2.447	-1.064	-1.161	-13.041	-83.655	1
43214_3214	43214	3214	12.9	-0.674	-0.234	-0.497	4.342	-49.44	1
43214_3215	43214	3215	54.383	-1.915	-1.052	-1.176	-21.46	-68.325	1
43215_3215	43215	3215	12.901	-0.674	-0.218	-0.442	2.472	-44.05	1
43215_3216	43215	3216	54.384	-1.915	-0.984	-1.091	-29.335	-53.001	1
43216_3216	43216	3216	12.901	-0.674	-0.218	-0.442	0.731	-38.658	1
43216_3217	43216	3217	54.384	-1.915	-0.984	-1.091	-37.21	-37.675	1
43217_3217	43217	3217	12.902	-0.686	-0.282	-0.442	-1.009	-33.266	1
43217_3218	43217	3218	54.373	-1.485	-0.761	-0.831	-43.11	-26.16	1
43218_3218	43218	3218	12.902	-0.686	-0.265	-0.406	-3.192	-27.946	1
43218_3219	43218	3219	54.374	-1.485	-0.691	-0.797	-48.466	-14.653	1
43219_3219	43219	3219	12.901	-0.686	-0.318	-0.575	-5.247	-25.695	1
43219_3220	43219	3220	54.371	-1.485	-0.915	-1.075	-57.154	-13.505	1
43220_3220	43220	3220	23.738	38.406	-0.283	1.068	43.706	865.147	1
43220_3221	43220	3221	9.058	3.839	0.073	0.517	6.958	152.951	1
43221_3221	43221	3221	22.775	35.614	-0.298	1.368	40.471	463.038	1
43221_3222	43221	3222	8.958	4.068	0.046	0.829	7.505	101.965	1
43222_3222	43222	3222	22.067	38.449	0.18	2.718	36.892	48.283	1
43222_3223	43222	3223	8.847	4.097	0.36	0.693	12.296	47.61	1
43223_3223	43223	3223	21.134	35.547	0.054	-0.298	39.847	-315.836	1
43223_3224	43223	3224	8.745	4.314	0.315	0.535	16.009	-0.276	1
43224_3224	43224	3224	20.644	42.53	-0.015	4.237	40.431	-733.644	1
43224_3225	43224	3225	8.678	4.326	0.194	0.8	17.614	-35.97	1
43225_3225	43225	3225	20.304	5.893	-0.11	-1.132	40.336	-1084.401	1
43225_3226	43225	3226	8.644	4.395	0.154	0.491	20.075	-105.933	1
43226_3226	43226	3226	20.304	14.925	-0.112	3.07	38.584	-1178.134	1
43226_3227	43226	3227	8.644	4.368	0.166	0.859	22.084	-158.78	1
43227_3227	43227	3227	20.303	-15.888	-0.196	-2.565	37.23	-1358.746	1
43227_3228	43227	3228	8.645	4.368	0.13	0.2	23.659	-211.596	1
43228_3228	43228	3228	20.297	-19.79	-0.064	1.714	34.859	-1166.488	1
43228_3229	43228	3229	8.643	4.491	0.188	0.923	25.935	-265.873	1
43229_3229	43229	3229	20.297	-22.738	-0.148	-2.118	34.082	-927.163	1
43229_3230	43229	3230	8.644	4.491	0.152	-0.176	27.779	-320.187	1
43230_3230	43230	3230	20.288	-17.325	0.038	0.466	32.29	-652.001	1
43230_3231	43230	3231	8.643	4.771	0.165	0.977	29.805	-378.637	1
43231_3231	43231	3231	20.288	-17.325	-0.046	-1.337	32.75	-439.492	1
43231_3232	43231	3232	8.644	4.771	0.13	-0.576	31.395	-437.12	1
43232_3232	43232	3232	20.283	-14.53	0.016	-0.482	32.19	-227.074	1
43232_3233	43232	3233	8.644	5.304	0.084	0.808	32.056	-478.577	1
43233_3233	43233	3233	20.283	-14.53	0.003	-0.551	32.313	-113.223	1
43233_3234	43233	3234	8.644	5.304	0.079	0.515	32.645	-518.122	1
43234_3234	43234	3234	20.399	-14.366	-0.054	-0.825	32.332	-4.897	1
43234_3235	43234	3235	8.602	5.29	0.049	-1.185	31.737	-554.691	1
43235_3235	43235	3235	20.588	-36.204	0.688	-0.235	37.787	-445.105	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43235_3236	43235	3236	8.516	6.072	0.365	1.344	33.918	-590.144	1
43236_3236	43236	3236	20.928	-40.01	0.774	-0.793	41.921	-387.444	1
43236_3237	43236	3237	8.464	6.145	0.354	0.311	35.772	-622.515	1
43237_3237	43237	3237	21.587	-43.224	0.811	-2.003	46.275	-325.707	1
43237_3238	43237	3238	8.364	6.282	0.329	-1.936	38.959	-688.422	1
43238_3238	43238	3238	21.697	-30.656	-0.791	-0.931	54.397	102.669	1
43238_3239	43238	3239	8.142	8.86	-0.524	0.78	33.737	-779.341	1
43239_3239	43239	3239	22.309	-30.212	-0.838	-0.888	46.304	418.228	1
43239_3240	43239	3240	7.96	9.022	-0.544	-1.718	27.722	-876.72	1
43240_3240	43240	3240	22.098	-22.273	-1.051	-2.377	37.16	744.039	1
43240_3241	43240	3241	7.346	12.707	0.666	-2.86	32.525	-970.06	1
43241_3241	43241	3241	14.976	0.835	-0.253	-0.066	-3.496	-30.259	1
43241_3242	43241	3242	60.382	-4.907	0.678	0.382	57.527	-332.194	1
43242_3242	43242	3242	14.975	0.835	-0.306	-0.179	-5.896	-37.07	1
43242_3243	43242	3243	60.384	-4.907	0.462	-0.841	61.072	-290.021	1
43243_3243	43243	3243	14.909	0.877	0.669	0.616	-8.246	-43.422	1
43243_3244	43243	3244	60.495	-3.392	-1.417	-0.607	47.579	-257.664	1
43244_3244	43244	3244	14.911	0.877	0.636	0.503	-1.879	-51.769	1
43244_3245	43244	3245	60.492	-3.392	-1.55	-1.17	31.923	-223.39	1
43245_3245	43245	3245	14.929	0.927	0.313	0.693	4.549	-60.606	1
43245_3246	43245	3246	60.447	-3.272	-1.052	-0.671	21.46	-190.777	1
43246_3246	43246	3246	14.93	0.927	0.253	0.412	7.666	-69.824	1
43246_3247	43246	3247	60.443	-3.272	-1.296	-1.439	8.923	-159.109	1
43247_3247	43247	3247	14.934	0.944	0.15	0.685	10.118	-78.771	1
43247_3248	43247	3248	60.404	-3.09	-0.71	-0.928	2.402	-130.68	1
43248_3248	43248	3248	14.935	0.944	0.1	0.391	11.497	-87.448	1
43248_3249	43248	3249	60.401	-3.09	-0.913	-1.369	-7.127	-98.441	1
43249_3249	43249	3249	14.937	0.964	0.015	0.63	12.538	-97.278	1
43249_3250	43249	3250	60.352	-3.045	-0.043	-1.143	-7.567	-67.284	1
43250_3250	43250	3250	14.937	0.964	-0.028	0.316	12.695	-107.138	1
43250_3251	43250	3251	60.352	-3.045	-0.22	-1.339	-9.632	-38.648	1
43251_3251	43251	3251	14.919	0.995	0.361	0.738	12.428	-116.176	1
43251_3252	43251	3252	60.477	-4.67	-3.524	-0.997	-39.247	0.632	1
43252_3252	43252	3252	14.92	0.995	0.311	0.323	15.462	-124.541	1
43252_3253	43252	3253	60.465	-4.67	-3.726	-0.995	-70.642	39.981	1
43253_3253	43253	3253	14.921	0.995	0.292	0.157	18.084	-133.07	1
43253_3254	43253	3254	60.46	-4.67	-3.803	-0.98	-99.784	75.193	1
43254_3254	43254	3254	14.94	1.158	-0.32	-0.128	20.324	-140.696	1
43254_3255	43254	3255	60.221	-12.802	3.093	8.734	-89.686	117.298	1
43255_3255	43255	3255	24.201	27.13	-4.045	2.747	65.776	951.252	1
43255_3256	43255	3256	12.823	3.722	-0.786	1.04	-0.916	173.373	1
43256_3256	43256	3256	23.489	12.091	-2.78	3.767	14.395	612.658	1
43256_3257	43256	3257	12.691	4.14	-0.825	1.617	-7.676	139.489	1
43257_3257	43257	3257	23.313	15.149	1.814	0.684	-8.098	513.586	1
43257_3258	43257	3258	12.545	3.935	1.014	0.594	2.442	100.564	1
43258_3258	43258	3258	23.066	15.529	1.765	1.309	9.796	363.927	1
43258_3259	43258	3259	12.481	4.14	0.988	0.771	10.953	64.898	1
43259_3259	43259	3259	22.871	14.369	1.68	0.932	24.67	241.572	1
43259_3260	43259	3260	12.425	4.313	0.95	0.413	13.97	56.535	1
43260_3260	43260	3260	22.762	15.194	0.164	1.319	29.973	196.86	1
43260_3261	43260	3261	12.452	4.21	0.127	0.693	14.917	24.956	1
43261_3261	43261	3261	22.588	13.777	0.096	1.032	30.415	97.602	1
43261_3262	43261	3262	12.399	4.365	0.101	0.559	15.866	-15.846	1
43262_3262	43262	3262	22.473	13.964	0.019	0.667	31.316	-32.937	1
43262_3263	43262	3263	12.363	4.468	0.059	0.378	16.32	-51.039	1
43263_3263	43263	3263	22.469	15.922	0.32	1.508	31.461	-139.904	1
43263_3264	43263	3264	12.359	4.431	0.335	0.695	20.09	-100.956	1
43264_3264	43264	3264	22.47	15.922	0.262	0.692	35.064	-319.291	1
43264_3265	43264	3265	12.36	4.431	0.303	0.437	23.66	-153.169	1
43265_3265	43265	3265	22.47	19.513	0.254	2.338	38.156	-506.913	1
43265_3266	43265	3266	12.361	4.474	0.224	0.874	26.258	-205.144	1
43266_3266	43266	3266	22.471	19.513	0.169	-0.436	41.112	-733.624	1
43266_3267	43266	3267	12.362	4.474	0.177	0.098	28.281	-256.292	1
43267_3267	43267	3267	22.473	25.066	0.343	2.41	43.049	-956.689	1
43267_3268	43267	3268	12.363	4.655	0.254	0.843	31.226	-310.335	1
43268_3268	43268	3268	22.474	6.716	0.28	-1.082	47.029	-1247.67	1
43268_3269	43268	3269	12.364	4.655	0.219	-0.026	33.733	-363.597	1
43269_3269	43269	3269	22.473	-5.076	0.058	2.356	50.231	-1324.6	1
43269_3270	43269	3270	12.366	4.982	0.285	1.082	37.205	-424.42	1
43270_3270	43270	3270	22.473	-5.076	-0.028	-2.462	50.942	-1262.643	1
43270_3271	43270	3271	12.367	4.982	0.237	-0.538	40.075	-484.65	1
43271_3271	43271	3271	22.48	-36.858	0.388	1.977	50.609	-1201.368	1
43271_3272	43271	3272	12.364	5.417	-0.255	1.877	38.31	-522.228	1
43272_3272	43272	3272	22.88	-46.154	0.346	-0.698	53.135	-1026.03	1
43272_3273	43272	3273	12.316	5.525	-0.283	0.32	35.64	-574.979	1
43273_3273	43273	3273	23.533	-46.884	0.284	-3.41	56.232	-643.55	1
43273_3274	43273	3274	12.237	5.695	-0.322	-1.973	32.95	-621.865	1
43274_3274	43274	3274	23.446	-34.815	-2.283	0.605	58.494	-367.314	1
43274_3275	43274	3275	12.095	8.242	-1.342	1.879	29.935	-641.142	1
43275_3275	43275	3275	23.838	-34.546	-2.302	-0.792	53.15	-291.648	1
43275_3276	43275	3276	11.999	8.379	-1.353	0.674	18.194	-716.726	1
43276_3276	43276	3276	24.377	-35.588	-2.359	-1.393	32.973	-58.41	1
43276_3277	43276	3277	11.864	8.564	-1.388	-1.677	5.993	-791.307	1
43277_3277	43277	3277	24.491	-27.551	1.772	-4.3	12.197	251.566	1
43277_3278	43277	3278	11.565	11.329	2.047	-1.817	27.332	-909.605	1
43278_3278	43278	3278	25.35	-29.503	1.663	-4.228	29.68	434.739	1
43278_3279	43278	3279	11.227	11.668	2.021	-4.57	46.533	-1022.04	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43279_3279	43279	3279	14.804	0.423	-0.909	-5.624	-29.691	-25.138	1
43279_3280	43279	3280	63.857	-6.916	0.457	10.25	56.209	-387.448	1
43280_3280	43280	3280	14.82	0.892	1.191	0.741	-33.441	-26.928	1
43280_3281	43280	3281	63.85	-5.381	-0.451	0.542	53.381	-353.62	1
43281_3281	43281	3281	14.824	0.892	1.144	0.51	-25.968	-30.881	1
43281_3282	43281	3282	63.849	-5.381	-0.655	-0.515	47.06	-294.591	1
43282_3282	43282	3282	14.827	0.892	1.1	0.393	-14.925	-39.494	1
43282_3283	43282	3283	63.846	-5.381	-0.844	-1.388	40.004	-249.608	1
43283_3283	43283	3283	14.824	0.971	0.446	0.476	-5.73	-54.64	1
43283_3284	43283	3284	63.837	-5.21	-1.909	-0.023	16.398	-218.318	1
43284_3284	43284	3284	14.826	0.971	0.388	0.219	-0.222	-66.649	1
43284_3285	43284	3285	63.829	-5.21	-2.155	-0.864	-9.299	-156.194	1
43285_3285	43285	3285	14.824	1.158	0.01	0.511	4.411	-78.235	1
43285_3286	43285	3286	63.844	-4.861	0.264	-0.343	-6.173	-98.643	1
43286_3286	43286	3286	14.824	1.158	-0.054	0.117	4.523	-91.942	1
43286_3287	43286	3287	63.845	-4.861	-0.01	-0.766	-6.273	-48.01	1
43287_3287	43287	3287	14.817	1.212	0.309	0.471	3.96	-103.989	1
43287_3288	43287	3288	63.852	-6.146	-0.664	-0.527	-13.771	21.429	1
43288_3288	43288	3288	14.818	1.212	0.258	0.072	7.448	-117.682	1
43288_3289	43288	3289	63.85	-6.146	-0.881	-0.455	-23.402	88.642	1
43289_3289	43289	3289	14.817	1.267	0.068	0.572	10.275	-130.949	1
43289_3290	43289	3290	63.854	-8.893	-0.411	-0.9	-26.839	163.047	1
43290_3290	43290	3290	14.817	1.267	0.035	0.263	10.84	-141.546	1
43290_3291	43290	3291	63.853	-8.893	-0.55	-0.544	-31.162	232.932	1
43291_3291	43291	3291	14.817	1.267	0.006	-0.039	11.117	-152.176	1
43291_3292	43291	3292	63.852	-8.893	-0.678	-0.11	-36.504	300.111	1
43292_3292	43292	3292	14.815	1.399	-0.221	1.181	11.161	-162.186	1
43292_3293	43292	3293	63.875	-15.119	1.358	-0.582	-33.095	338.181	1
43293_3293	43293	3293	8.951	50.1	-1.15	1.444	20.253	-140.041	1
43293_3294	43293	3294	0.687	1.371	0.238	-1.046	-5.052	314.789	1
43294_3294	43294	3294	7.128	45.269	-1.325	-0.513	11.792	-282.042	1
43294_3295	43294	3295	0.978	-9.107	-0.28	-1.832	8.786	-858.488	1
43295_3295	43295	3295	6.401	48.98	0.13	3.26	-1.37	-425.368	1
43295_3296	43295	3296	1.313	-6.826	-0.125	2.699	7.137	-784.201	1
43296_3296	43296	3296	5.307	44.605	0.115	-0.106	0.879	-727.709	1
43296_3297	43296	3297	1.456	-6.798	-0.132	-0.573	6.205	-728.242	1
43297_3297	43297	3297	4.605	42.388	0.107	-2.861	2.36	-971.012	1
43297_3298	43297	3298	1.561	-6.775	-0.137	-2.754	5.635	-698.669	1
43298_3298	43298	3298	4.163	45.147	0.324	2.976	3.619	-926.609	1
43298_3299	43298	3299	1.646	-5.257	0.161	1.613	7.064	-666.371	1
43299_3299	43299	3299	4.018	8.36	0.316	0.157	6.301	-1298.441	1
43299_3300	43299	3300	1.663	-5.252	0.157	0.154	8.243	-627.237	1
43300_3300	43300	3300	4.018	8.36	0.308	-2.428	8.654	-1361.81	1
43300_3301	43300	3301	1.663	-5.252	0.154	-1.034	9.338	-590.357	1
43301_3301	43301	3301	4.014	17.015	-0.246	3.392	10.843	-1421.415	1
43301_3302	43301	3302	1.661	-4.282	-0.134	1.262	7.718	-538.663	1
43302_3302	43302	3302	4.013	-9.647	-0.261	-2.806	7.87	-1626.987	1
43302_3303	43302	3303	1.661	-4.282	-0.14	-0.79	6.005	-486.443	1
43303_3303	43303	3303	4.013	-16.883	-0.061	1.943	4.683	-1509.483	1
43303_3304	43303	3304	1.661	-3.657	-0.062	0.716	5.203	-439.538	1
43304_3304	43304	3304	4.013	-20.586	-0.073	-1.966	3.896	-1292.838	1
43304_3305	43304	3305	1.661	-3.657	-0.067	-0.613	4.431	-397.684	1
43305_3305	43305	3305	4.013	-14.295	-0.071	1.489	3.056	-1057.308	1
43305_3306	43305	3306	1.661	-3.277	-0.072	0.565	3.483	-354.331	1
43306_3306	43306	3306	4.013	-14.295	-0.085	-1.733	2.122	-868.134	1
43306_3307	43306	3307	1.66	-3.277	-0.078	-0.75	2.623	-318.142	1
43307_3307	43307	3307	4.013	-9.998	-0.069	0.9	1.179	-710.333	1
43307_3308	43307	3308	1.66	-3.08	-0.102	0.301	1.335	-279.44	1
43308_3308	43308	3308	4.012	-9.998	-0.082	-1.06	0.317	-584.673	1
43308_3309	43308	3309	1.659	-3.08	-0.108	-0.635	0.071	-243.392	1
43309_3309	43309	3309	4.012	-7.36	-0.071	0.459	-0.642	-467.639	1
43309_3310	43309	3310	1.659	-3.023	-0.098	0.063	-1.095	-207.527	1
43310_3310	43310	3310	4.012	-7.36	-0.082	-0.655	-1.479	-380.29	1
43310_3311	43310	3311	1.659	-3.023	-0.103	-0.544	-2.374	-170.005	1
43311_3311	43311	3311	4.01	-5.961	-0.255	0.146	-2.501	-288.945	1
43311_3312	43311	3312	1.657	-3.11	-0.279	-0.113	-5.748	-132.354	1
43312_3312	43312	3312	4.009	-5.961	-0.267	-0.535	-5.586	-216.764	1
43312_3313	43312	3313	1.656	-3.11	-0.284	-0.529	-9.2	-94.538	1
43313_3313	43313	3313	4.015	-5.03	0.599	-0.193	-8.837	-144.269	1
43313_3314	43313	3314	1.661	-3.125	0.442	-0.223	-3.587	-54.815	1
43314_3314	43314	3314	4.017	-5.03	0.584	-0.493	-1.229	-80.33	1
43314_3315	43314	3315	1.663	-3.125	0.435	-0.427	1.921	-15.272	1
43315_3315	43315	3315	4.028	-5.024	-0.752	-1.262	6.154	-16.715	1
43315_3316	43315	3316	1.665	-3.097	-0.235	-1.136	0	10.049	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
3000_3000	3000	3000	-0.604	-3.075	0.072	-0.12	0	-2.128	1
3000_3001	3000	3001	-3.783	3.34	-0.106	0.126	-1.581	-29.78	1
3001_3001	3001	3001	-55.691	12.239	-0.067	-0.01	-0.995	-427.147	1
3001_3002	3001	3002	-6.646	3.37	-0.104	0.12	-2.635	-51.679	1
3002_3002	3002	3002	-79.027	10.418	0.087	0.177	-2.095	-604.83	1
3002_3003	3002	3003	-9.987	3.365	0.142	0.131	-0.839	-77.274	1
3003_3003	3003	3003	-101.961	-1.997	0.095	-0.1	-1.129	-778.946	1
3003_3004	3003	3004	-13.343	3.365	0.142	0.101	0.892	-102.717	1
3004_3004	3004	3004	-113.13	0.203	0.03	0.137	0.048	-863.974	1
3004_3005	3004	3005	-16.724	3.388	0.063	0.12	1.654	-128.325	1
3005_3005	3005	3005	-124.661	-6.829	0.035	-0.035	0.514	-951.528	1
3005_3006	3005	3006	-20.105	3.388	0.063	0.094	2.415	-153.949	1
3006_3006	3006	3006	-127.91	-2.474	0.027	0.246	1.097	-976.153	1
3006_3007	3006	3007	-23.452	3.355	0.042	0.125	2.92	-179.308	1
3007_3007	3007	3007	-134.704	-9.163	0.029	-0.13	1.618	-1027.578	1
3007_3008	3007	3008	-26.799	3.355	0.041	0.056	3.425	-204.68	1
3008_3008	3008	3008	-134.168	-4.549	0.028	0.132	2.191	-1023.401	1
3008_3009	3008	3009	-30.112	3.321	0.035	0.088	3.839	-229.85	1
3009_3009	3009	3009	-137.649	-11.213	0.029	-0.049	2.743	-1049.662	1
3009_3010	3009	3010	-33.424	3.321	0.035	0.046	4.262	-254.952	1
3010_3010	3010	3010	-133.97	-6.873	0.035	0.198	3.292	-1021.671	1
3010_3011	3010	3011	-36.696	3.29	0.036	0.09	4.681	-279.872	1
3011_3011	3011	3011	-134.287	-26.487	0.034	-0.168	3.531	-1024.182	1
3011_3012	3011	3012	-39.982	3.299	0.036	-0.012	5.097	-304.884	1
3012_3012	3012	3012	-128.196	-22.752	0.044	0.051	4.159	-977.914	1
3012_3013	3012	3013	-43.345	3.37	0.046	0.032	5.661	-330.374	1
3013_3013	3013	3013	-125.624	-29.278	0.045	-0.106	4.871	-958.333	1
3013_3014	3013	3014	-46.707	3.37	0.046	-0.028	6.224	-355.856	1
3014_3014	3014	3014	-115.815	-27.671	0.051	0.048	5.544	-883.902	1
3014_3015	3014	3015	-51.586	3.631	0.025	0.035	6.605	-392.887	1
3015_3015	3015	3015	-113.491	-35.527	0.033	-0.133	4.356	-815.475	1
3015_3016	3015	3016	-57.533	3.467	0.017	-0.087	4.651	-422.527	1
3016_3016	3016	3016	-99.551	-19.631	-0.012	0.01	4.297	-736.763	1
3016_3017	3016	3017	-56.541	4.067	0.013	0	4.767	-461.649	1
3017_3017	3017	3017	-78.63	-26.275	-0.014	-0.157	3.869	-663.378	1
3017_3018	3017	3018	-50.927	3.984	0.013	-0.167	4.936	-514.869	1
3018_3018	3018	3018	-49.344	-29.505	0.01	-0.037	3.367	-523.845	1
3018_3019	3018	3019	-44.727	4.523	0.014	-0.037	5.106	-571.681	1
3019_3019	3019	3019	-25.216	-35.654	-0.002	-0.169	3.005	-369.922	1
3019_3020	3019	3020	-38.23	4.688	0.014	-0.278	5.197	-632.33	1
3020_3020	3020	3020	-70.968	-7.597	-0.079	-0.021	5.827	-265.129	1
3020_3021	3020	3021	-25.646	-19.375	-0.072	0.016	1.832	-251.069	1
3021_3021	3021	3021	-75.424	-10.639	-0.042	-0.048	3.578	-318.807	1
3021_3022	3021	3022	-15.509	-14.861	-0.066	-0.029	1.606	-175.367	1
3022_3022	3022	3022	-78.397	-13.865	-0.031	-0.041	2.956	-359.456	1
3022_3023	3022	3023	-6.065	-1.369	-0.069	-0.028	2.83	-98.499	1
3023_3023	3023	3023	-80.107	-8.331	-0.05	-0.022	2.285	-411.912	1
3023_3024	3023	3024	-5.137	-1.189	-0.051	-0.028	2.283	-87.677	1
3024_3024	3024	3024	-83.071	-12.436	-0.042	-0.013	1.667	-452.542	1
3024_3025	3024	3025	-4.267	-1.144	-0.048	-0.027	1.806	-78.222	1
3025_3025	3025	3025	-83.756	-17.005	-0.031	-0.054	1.165	-475.592	1
3025_3026	3025	3026	-3.413	-1.144	-0.049	-0.035	1.413	-72.496	1
3026_3026	3026	3026	-82.466	-14.92	-0.036	0.039	0.792	-480.955	1
3026_3027	3026	3027	-2.807	-1.074	-0.044	-0.021	1.106	-65.921	1
3027_3027	3027	3027	-83.72	-18.392	-0.026	-0.023	0.519	-497.418	1
3027_3028	3027	3028	-2.223	-1.022	-0.043	-0.03	0.805	-58.402	1
3028_3028	3028	3028	-83.817	-22.135	-0.018	-0.013	0.353	-503.666	1
3028_3029	3028	3029	-1.657	-1.006	-0.042	-0.029	0.546	-53.609	1
3029_3029	3029	3029	-82.418	-15.423	0.025	-0.056	0.371	-494.627	1
3029_3030	3029	3030	-1.652	0.569	0.014	0.021	-0.395	28.309	1
3030_3030	3030	3030	-80.71	-11.901	0.022	0.055	0.581	-477.508	1
3030_3031	3030	3031	-2.102	0.652	0.014	0.017	-0.326	29.461	1
3031_3031	3031	3031	-81.278	-16.872	0.032	0.017	0.888	-470.918	1
3031_3032	3031	3032	-2.61	0.718	0.018	0.023	-0.19	28.772	1
3032_3032	3032	3032	-79.732	-21.45	0.042	-0.024	1.322	-446.515	1
3032_3033	3032	3033	-3.166	0.766	0.022	0.028	-0.003	26.795	1
3033_3033	3033	3033	-75.815	-21.416	0.006	0.066	1.889	-404.307	1
3033_3034	3033	3034	-12.772	16.8	0.067	0.036	1.223	-157.744	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3034_3034	3034	3034	-72.87	-25.508	0.025	-0.013	2.229	-367.521	1
3034_3035	3034	3035	-25.593	19.237	0.06	-0.006	1.41	-235.086	1
3035_3035	3035	3035	-67.312	-23.334	0.06	0.036	4.042	-310.272	1
3035_3036	3035	3036	-42.114	24.66	0.07	0.02	1.739	-368.654	1
3036_3036	3036	3036	-14.151	-3.571	-0.007	-0.06	-0.128	-157.64	1
3036_3037	3036	3037	-44.056	-20.351	-0.011	-0.182	-3.976	-376.904	1
3037_3037	3037	3037	-18.93	-0.343	0.007	0.036	2.452	-340.199	1
3037_3038	3037	3038	-36.605	-6	0.004	0.061	3.882	-452.211	1
3038_3038	3038	3038	-37.282	-2.797	0.023	0.127	2.733	-474.519	1
3038_3039	3038	3039	-39.51	-5.191	-0.003	0.154	3.827	-393.024	1
3039_3039	3039	3039	-60.657	-9.101	0.026	-0.012	3.341	-586.217	1
3039_3040	3039	3040	-39.234	-5.008	-0.005	0.005	3.777	-344.699	1
3040_3040	3040	3040	-74.615	-8.303	-0.036	0.079	3.903	-638.939	1
3040_3041	3040	3041	-37.036	-4.307	-0.026	0.062	3.557	-318.136	1
3041_3041	3041	3041	-93.789	-13.527	-0.017	-0.008	1.771	-637.515	1
3041_3042	3041	3042	-35.093	-4.216	-0.013	0.001	1.472	-251.283	1
3042_3042	3042	3042	-99.529	-11.66	-0.007	0.023	1.633	-673.768	1
3042_3043	3042	3043	-30.539	-3.831	-0.005	0.007	1.418	-223.711	1
3043_3043	3043	3043	-107.449	-18.077	-0.006	-0.02	1.616	-720.046	1
3043_3044	3043	3044	-25.995	-3.775	-0.005	-0.009	1.349	-194.016	1
3044_3044	3044	3044	-108.918	-2.417	0	0.058	1.626	-718.215	1
3044_3045	3044	3045	-21.641	-3.663	-0.006	0	1.282	-167.575	1
3045_3045	3045	3045	-115.488	-9.568	0	-0.046	1.621	-755.31	1
3045_3046	3045	3046	-22.813	3.852	0.01	0.016	1.236	-148.636	1
3046_3046	3046	3046	-113.424	-5.348	0.001	-0.001	1.614	-741.328	1
3046_3047	3046	3047	-27.412	3.887	0.009	0.017	1.351	-177.449	1
3047_3047	3047	3047	-116.359	-12.487	0.002	0.001	1.606	-758.77	1
3047_3048	3047	3048	-32.044	3.911	0.009	0.015	1.464	-206.497	1
3048_3048	3048	3048	-111.171	-8.472	0.004	-0.013	1.616	-727.683	1
3048_3049	3048	3049	-36.75	3.958	0.01	0.002	1.58	-235.237	1
3049_3049	3049	3049	-110.306	-15.655	0.005	-0.004	1.628	-723.052	1
3049_3050	3049	3050	-41.458	3.974	0.01	0.003	1.694	-264.433	1
3050_3050	3050	3050	-102.654	-12.277	0.012	-0.007	1.648	-676.2	1
3050_3051	3050	3051	-48.154	4.214	0.009	-0.003	1.84	-305.944	1
3051_3051	3051	3051	-91.857	-21.635	0.016	-0.061	2.051	-663.377	1
3051_3052	3051	3052	-47.953	4.128	0.011	-0.048	2.239	-340.522	1
3052_3052	3052	3052	-82.166	-18.577	-0.016	-0.013	2.124	-614.272	1
3052_3053	3052	3053	-48.366	4.487	0.005	-0.012	2.295	-381.085	1
3053_3053	3053	3053	-60.029	-25.194	-0.021	-0.175	2.477	-601.264	1
3053_3054	3053	3054	-40.626	4.616	0.006	-0.18	3.222	-458.237	1
3054_3054	3054	3054	-37.501	-28.523	0.011	-0.039	2.046	-485.32	1
3054_3055	3054	3055	-39.364	18.846	-0.002	0.166	-2.948	-362.696	1
3055_3055	3055	3055	-18.327	-34.767	0	-0.187	1.889	-349.737	1
3055_3056	3055	3056	-46.807	26.678	-0.011	0.188	-3.177	-566.329	1
3056_3056	3056	3056	-65.214	-7.587	-0.05	-0.054	3.604	-624.181	1
3056_3057	3056	3057	-18.598	-16.742	-0.061	-0.006	1.571	-231.284	1
3057_3057	3057	3057	-70.976	-4.968	-0.022	-0.097	2.268	-353.121	1
3057_3058	3057	3058	-7.968	-14.284	-0.059	-0.066	1.249	-161.553	1
3058_3058	3058	3058	-75.589	-8.764	-0.012	-0.079	1.873	-408.835	1
3058_3059	3058	3059	-5.321	-1.105	-0.044	-0.059	1.908	-90.9	1
3059_3059	3059	3059	-78.157	-8.748	-0.039	-0.014	1.616	-450.224	1
3059_3060	3059	3060	-4.63	-0.993	-0.031	-0.052	1.597	-82.365	1
3060_3060	3060	3060	-81.506	-12.915	-0.031	-0.095	1.163	-496.261	1
3060_3061	3060	3061	-3.964	-0.959	-0.03	-0.067	1.306	-74.436	1
3061_3061	3061	3061	-82.612	-17.524	-0.026	-0.075	0.803	-522.869	1
3061_3062	3061	3062	-4.32	0.922	0.031	0.068	0.196	-53.526	1
3062_3062	3062	3062	-81.761	-15.367	-0.023	-0.029	0.518	-530.012	1
3062_3063	3062	3063	-4.801	0.93	0.032	0.071	0.385	-57.185	1
3063_3063	3063	3063	-83.12	-18.837	-0.017	-0.012	0.346	-548.088	1
3063_3064	3063	3064	-5.287	0.945	0.032	0.072	0.578	-61.995	1
3064_3064	3064	3064	-83.351	-22.563	-0.011	0.006	0.245	-555.083	1
3064_3065	3064	3065	-5.785	0.963	0.033	0.074	0.781	-67.138	1
3065_3065	3065	3065	-82.783	-15.553	0.021	-0.082	0.328	-547.594	1
3065_3066	3065	3066	-6.289	0.993	0.034	0.057	1.001	-73.587	1
3066_3066	3066	3066	-81.251	-11.859	0.02	0.087	0.511	-528.95	1
3066_3067	3066	3067	-6.989	1.014	0.034	0.078	1.27	-78.909	1
3067_3067	3067	3067	-81.896	-16.839	0.026	0.107	0.783	-521.231	1
3067_3068	3067	3068	-7.709	1.048	0.035	0.081	1.588	-87.345	1
3068_3068	3068	3068	-80.604	-21.442	0.036	-0.092	1.132	-494.254	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3068_3069	3068	3069	-8.431	1.048	0.034	0.042	1.86	-92.832	1
3069_3069	3069	3069	-77.125	-21.333	0.004	0.117	1.59	-448.314	1
3069_3070	3069	3070	-9.192	1.176	0.049	0.079	2.3	-102.28	1
3070_3070	3070	3070	-74.497	-25.511	0.017	0.05	1.853	-407.539	1
3070_3071	3070	3071	-19.034	18.475	0.053	0.042	1.119	-230.645	1
3071_3071	3071	3071	-69.741	-23.375	0.046	0.006	2.937	-335.535	1
3071_3072	3071	3072	-35.336	23.36	0.054	-0.012	1.291	-350.776	1
3072_3072	3072	3072	-14.706	-0.582	-0.015	0.13	1.942	-188.058	1
3072_3073	3072	3073	-35.964	-4.711	-0.012	0.286	3.357	-521.871	1
3073_3073	3073	3073	-20.45	-0.233	-0.001	0.038	1.992	-354.129	1
3073_3074	3073	3074	-40.837	-4.556	-0.012	0.068	3.214	-466.38	1
3074_3074	3074	3074	-38.708	-2.827	0.011	0.183	2.118	-494.193	1
3074_3075	3074	3075	-44.435	-4.261	-0.009	0.218	3.084	-414.519	1
3075_3075	3075	3075	-68.177	-9.24	0.008	-0.033	1.795	-578.84	1
3075_3076	3075	3076	-48.986	-4.189	-0.007	-0.011	2.18	-351.864	1
3076_3076	3076	3076	-83.521	-8.194	-0.008	0.121	2.007	-632.599	1
3076_3077	3076	3077	-47.14	-3.681	-0.006	0.086	2.13	-327.363	1
3077_3077	3077	3077	-86.572	-13.043	-0.013	-0.07	2.874	-698.059	1
3077_3078	3077	3078	-38.835	-3.74	-0.009	-0.025	2.921	-293.619	1
3078_3078	3078	3078	-93.934	0.518	-0.013	0.029	2.922	-742.797	1
3078_3079	3078	3079	-35.248	-3.687	-0.018	0	2.718	-267.61	1
3079_3079	3079	3079	-103.056	-6.196	-0.011	0.04	2.775	-803.759	1
3079_3080	3079	3080	-31.693	-3.61	-0.018	0	2.492	-237.912	1
3080_3080	3080	3080	-105.427	-2.079	-0.003	0.076	2.65	-816.564	1
3080_3081	3080	3081	-28.253	-3.474	-0.014	-0.008	2.305	-209.599	1
3081_3081	3081	3081	-111.639	-8.728	-0.003	-0.04	2.599	-858.389	1
3081_3082	3081	3082	-24.873	-3.448	-0.014	-0.039	2.13	-183.851	1
3082_3082	3082	3082	-111.002	-4.225	0.002	0.059	2.552	-852.019	1
3082_3083	3082	3083	-21.678	3.343	0.019	0.05	1.868	-161.522	1
3083_3083	3083	3083	-114.488	-11.354	0.003	-0.061	2.56	-877.142	1
3083_3084	3083	3084	-25.192	3.374	0.018	0.026	2.106	-188.452	1
3084_3084	3084	3084	-110.526	-19.503	-0.001	0.021	2.593	-848.516	1
3084_3085	3084	3085	-28.499	3.406	0.017	0.038	2.311	-213.527	1
3085_3085	3085	3085	-111.036	-25.891	-0.001	-0.099	2.594	-852.136	1
3085_3086	3085	3086	-31.828	3.434	0.017	0.002	2.513	-239.209	1
3086_3086	3086	3086	-104.701	-21.987	0.009	-0.008	2.601	-807.585	1
3086_3087	3086	3087	-35.219	3.482	0.017	0.015	2.708	-264.173	1
3087_3087	3087	3087	-102.246	-28.438	0.009	-0.109	2.706	-792.343	1
3087_3088	3087	3088	-38.612	3.502	0.017	-0.026	2.899	-289.839	1
3088_3088	3088	3088	-93.61	-13.291	0.025	-0.001	2.675	-738.231	1
3088_3089	3088	3089	-43.099	3.712	0.021	-0.001	3.182	-323.879	1
3089_3089	3089	3089	-85.674	-21.496	0.023	-0.136	2.61	-726.534	1
3089_3090	3089	3090	-43.954	3.622	0.018	-0.098	3.013	-361.261	1
3090_3090	3090	3090	-76.139	-18.42	-0.018	0	2.72	-670.233	1
3090_3091	3090	3091	-43.77	3.947	0.006	0.001	3.083	-398.812	1
3091_3091	3091	3091	-59.788	-25.167	-0.023	-0.177	2.962	-618.806	1
3091_3092	3091	3092	-39.337	3.969	0.007	-0.184	3.984	-451.471	1
3092_3092	3092	3092	-36.662	-28.413	0.019	-0.057	2.484	-492.618	1
3092_3093	3092	3093	-34.647	4.503	0.022	-0.071	4.216	-510.089	1
3093_3093	3093	3093	-17.436	-34.846	0.005	-0.159	2.38	-349.578	1
3093_3094	3093	3094	-41.11	29.618	-0.024	0.216	-3.953	-521.701	1
3094_3094	3094	3094	-64.393	-7.553	-0.057	-0.03	4.134	-266.895	1
3094_3095	3094	3095	-17.576	-16.348	-0.078	0.016	1.823	-231.034	1
3095_3095	3095	3095	-67.771	-10.86	-0.038	-0.131	3.678	-343.672	1
3095_3096	3095	3096	-7.141	-0.875	-0.065	-0.054	3.111	-86.838	1
3096_3096	3096	3096	-71.676	-8.836	-0.011	-0.104	2.805	-419.171	1
3096_3097	3096	3097	-6.596	-0.875	-0.065	-0.055	2.609	-82.232	1
3097_3097	3097	3097	-73.802	-8.685	-0.061	-0.012	2.49	-461.363	1
3097_3098	3097	3098	-6.089	-0.77	-0.051	-0.04	2.1	-74.584	1
3098_3098	3098	3098	-76.754	-12.924	-0.049	-0.105	1.805	-509.176	1
3098_3099	3098	3099	-5.601	-0.739	-0.05	-0.055	1.631	-67.541	1
3099_3099	3099	3099	-77.585	-17.626	-0.041	-0.088	1.261	-536.525	1
3099_3100	3099	3100	-5.126	-0.739	-0.05	-0.055	1.234	-63.525	1
3100_3100	3100	3100	-76.555	-15.194	-0.029	-0.372	0.83	-543.137	1
3100_3101	3100	3101	-4.765	-0.751	-0.05	-0.097	0.933	-60.464	1
3101_3101	3101	3101	-77.799	-18.709	-0.021	-0.408	0.617	-562.517	1
3101_3102	3101	3102	-4.423	-0.703	-0.046	-0.09	0.628	-53.732	1
3102_3102	3102	3102	-77.978	-22.492	-0.028	0.486	0.507	-570.217	1
3102_3103	3102	3103	-4.083	-0.703	-0.043	-0.001	0.368	-50.872	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3103_3103	3103	3103	-77.246	-15.659	0.023	0.302	0.676	-563.442	1
3103_3104	3103	3104	-4.139	0.902	0.049	0.107	1.52	-72.78	1
3104_3104	3104	3104	-75.808	-11.656	0.033	0.111	0.924	-544.291	1
3104_3105	3104	3105	-4.71	0.889	0.047	0.076	1.897	-77.61	1
3105_3105	3105	3105	-76.582	-16.754	0.044	0.006	1.39	-537.927	1
3105_3106	3105	3106	-5.295	0.941	0.05	0.061	2.384	-87.267	1
3106_3106	3106	3106	-75.495	-21.462	0.053	0.025	1.992	-510.74	1
3106_3107	3106	3107	-5.9	0.941	0.05	0.061	2.781	-92.381	1
3107_3107	3107	3107	-72.293	-21.23	-0.003	0.06	2.711	-463.052	1
3107_3108	3107	3108	-6.544	1.054	0.067	0.06	3.396	-101.265	1
3108_3108	3108	3108	-69.941	-25.538	0.012	0.078	3.072	-421.049	1
3108_3109	3108	3109	-15.808	18.721	0.088	0.048	1.738	-229.14	1
3109_3109	3109	3109	-67.435	-29.351	0.029	0.019	3.275	-354.825	1
3109_3110	3109	3110	-32.677	22.731	0.072	-0.001	1.694	-343.65	1
3110_3110	3110	3110	-13.139	-1.203	-0.016	0.133	2.028	-209.139	1
3110_3111	3110	3111	-34.616	-5.099	-0.024	0.337	4.56	-531.007	1
3111_3111	3111	3111	-19.927	-0.566	-0.009	0.007	2.739	-361.271	1
3111_3112	3111	3112	-39.223	-4.852	-0.025	0.027	4.275	-470.312	1
3112_3112	3112	3112	-37.469	-3.088	0.011	0.16	2.846	-500.032	1
3112_3113	3112	3113	-42.553	-4.494	-0.012	0.201	4.096	-416.198	1
3113_3113	3113	3113	-60.405	-9.823	0.01	-0.045	2.61	-612.051	1
3113_3114	3113	3114	-43.208	-4.455	-0.01	-0.018	3.13	-368.95	1
3114_3114	3114	3114	-73.153	-8.871	-0.033	0.044	2.925	-662.422	1
3114_3115	3114	3115	-41.262	-4.138	-0.024	0.055	2.929	-343.233	1
3115_3115	3115	3115	-90.48	-13.626	-0.027	0.013	2.29	-641.064	1
3115_3116	3115	3116	-39.887	-4.174	-0.02	0.011	2.147	-272.225	1
3116_3116	3116	3116	-95.021	-11.949	-0.012	0.065	2.004	-671.292	1
3116_3117	3116	3117	-35.718	-3.951	-0.014	0.023	1.986	-244.086	1
3117_3117	3117	3117	-101.969	-18.231	-0.013	-0.075	1.923	-714.367	1
3117_3118	3117	3118	-31.58	-3.927	-0.015	-0.032	1.818	-216.532	1
3118_3118	3118	3118	-103.014	-14.359	-0.011	0.062	1.801	-718.084	1
3118_3119	3118	3119	-27.501	-3.868	-0.015	0.001	1.64	-188.952	1
3119_3119	3119	3119	-108.639	-9.477	-0.011	-0.076	1.652	-495.973	1
3119_3120	3119	3120	-23.466	-3.813	-0.015	-0.042	1.452	-160.908	1
3120_3120	3120	3120	-106.801	-16.373	-0.009	0.011	1.541	-736.293	1
3120_3121	3120	3121	-19.221	-3.725	-0.016	-0.026	1.24	-131.122	1
3121_3121	3121	3121	-110.227	-23.388	-0.009	-0.056	1.426	-756.131	1
3121_3122	3121	3122	-15.378	2.216	0.005	0.011	0.9	-109.975	1
3122_3122	3122	3122	-104.964	-19.457	-0.008	0.002	1.317	-721.754	1
3122_3123	3122	3123	-17.74	2.291	0.006	0.016	0.978	-127.77	1
3123_3123	3123	3123	-104.577	-26.069	-0.008	-0.067	1.225	-720.057	1
3123_3124	3123	3124	-20.16	2.33	0.005	0.001	1.046	-145.334	1
3124_3124	3124	3124	-96.595	-21.998	0.001	0.021	1.143	-671.028	1
3124_3125	3124	3125	-22.703	2.424	0.006	0.017	1.118	-162.579	1
3125_3125	3125	3125	-93.116	-28.653	0.001	-0.105	1.163	-651.916	1
3125_3126	3125	3126	-25.276	2.49	0.005	-0.021	1.18	-182.37	1
3126_3126	3126	3126	-82.953	-13.955	0.003	0.006	1.148	-596.69	1
3126_3127	3126	3127	-28.74	2.718	0.004	0.003	1.223	-206.755	1
3127_3127	3127	3127	-78.878	-22.121	0.003	-0.057	1.036	-563.494	1
3127_3128	3127	3128	-31.106	2.67	0.003	-0.032	1.118	-224.906	1
3128_3128	3128	3128	-68.638	-18.575	0.002	0.015	1.056	-512.003	1
3128_3129	3128	3129	-31.933	9.832	0.012	0.053	-0.598	-170.449	1
3129_3129	3129	3129	-47.927	-25.402	0.002	-0.156	1.285	-498.35	1
3129_3130	3129	3130	-38.11	15.717	0.005	0.08	-1.079	-296.31	1
3130_3130	3130	3130	-27.073	-29.046	-0.056	-0.048	1.331	-383.831	1
3130_3131	3130	3131	-45.423	21.649	0.037	0.099	-0.887	-440.623	1
3131_3131	3131	3131	-17.782	3.429	0.02	0.016	0.773	-159.189	1
3131_3132	3131	3132	-51.963	29.331	0.038	0.09	-0.484	-629.693	1
3132_3132	3132	3132	-58.109	-5.334	0.075	-0.131	0.305	-184.249	1
3132_3133	3132	3133	-19.366	-17.683	-0.088	-0.14	0.855	-211.625	1
3133_3133	3133	3133	-66.175	-8.924	0.073	-0.111	0.776	-264.13	1
3133_3134	3133	3134	-9.816	-14.615	-0.071	-0.058	0.302	-131.451	1
3134_3134	3134	3134	-71.988	-7.251	0.057	0.303	1.137	-340.342	1
3134_3135	3134	3135	-5.538	0.161	-0.015	0.029	0.892	-40.976	1
3135_3135	3135	3135	-75.635	-7.778	-0.044	-0.008	1.518	-386.033	1
3135_3136	3135	3136	-5.665	0.171	-0.016	-0.014	0.762	-41.847	1
3136_3136	3136	3136	-79.85	-12.223	-0.041	0	1.116	-434.417	1
3136_3137	3136	3137	-5.793	0.175	-0.015	-0.013	0.615	-40.958	1
3137_3137	3137	3137	-81.203	-17.12	-0.036	-0.056	0.751	-461.287	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3137_3138	3137	3138	-5.922	0.175	-0.015	-0.019	0.493	-41.839	1
3138_3138	3138	3138	-80.119	-14.278	-0.016	0.003	0.433	-467.631	1
3138_3139	3138	3139	-6.037	0.206	-0.013	-0.015	0.413	-42.62	1
3139_3139	3139	3139	-81.859	-17.936	-0.012	0.01	0.336	-487.683	1
3139_3140	3139	3140	-6.151	0.206	-0.013	-0.015	0.334	-43.4	1
3140_3140	3140	3140	-82.218	-21.883	-0.006	-0.077	0.284	-496.236	1
3140_3141	3140	3141	-6.266	0.206	-0.013	-0.023	0.254	-44.181	1
3141_3141	3141	3141	-80.685	-16.124	0.012	0.048	0.42	-491.996	1
3141_3142	3141	3142	-6.38	0.206	-0.013	-0.015	0.174	-44.961	1
3142_3142	3142	3142	-78.553	-11.838	0.011	0.033	0.54	-473.322	1
3142_3143	3142	3143	-6.551	0.235	-0.014	-0.018	0.055	-47.889	1
3143_3143	3143	3143	-78.956	-17.121	0.015	-0.025	0.708	-467.667	1
3143_3144	3143	3144	-6.724	0.235	-0.014	-0.025	-0.054	-49.073	1
3144_3144	3144	3144	-76.91	-22.012	0.017	0.046	0.925	-441.319	1
3144_3145	3144	3145	-6.898	0.235	-0.014	-0.018	-0.162	-50.256	1
3145_3145	3145	3145	-72.143	-21.897	-0.02	-0.008	1.168	-394.442	1
3145_3146	3145	3146	-8.895	15.382	0.043	0.006	0.534	-140.323	1
3146_3146	3146	3146	-68.283	-26.35	-0.016	0.044	1.15	-352.426	1
3146_3147	3146	3147	-20.85	17.824	0.045	0.025	0.743	-213.152	1
3147_3147	3147	3147	-61.177	-30.464	-0.007	0.017	1.241	-300.415	1
3147_3148	3147	3148	-37.563	25.323	0.045	0.003	0.827	-339.501	1
3148_3148	3148	3148	-21.724	-2.277	-0.001	-0.035	0.061	-156.121	1
3148_3149	3148	3149	-52.026	-17.856	0.003	-0.115	-1.568	-372.986	1
3149_3149	3149	3149	-22.029	-2.694	-0.001	-0.035	0.046	-130.281	1
3149_3150	3149	3150	-45.375	-12.212	-0.003	-0.05	-1.403	-245.844	1
3150_3150	3150	3150	-28.388	-3.372	0.009	0.044	1.18	-426.868	1
3150_3151	3150	3151	-38.346	-7.776	-0.006	-0.077	-1.038	-148.314	1
3151_3151	3151	3151	-54.64	-9.785	0.011	0.015	1.128	-492.193	1
3151_3152	3151	3152	-33.258	-4.757	-0.005	0.015	1.389	-268.717	1
3152_3152	3152	3152	-66.285	-8.863	-0.014	0.002	1.306	-528.294	1
3152_3153	3152	3153	-30.655	-4.306	-0.01	0.009	1.307	-245.217	1
3153_3153	3153	3153	-79.185	-13.325	-0.01	0.004	1.003	-541.827	1
3153_3154	3153	3154	-26.883	-4.191	-0.008	0.001	0.962	-197.395	1
3154_3154	3154	3154	-81.988	-11.999	-0.007	0.012	0.92	-562.409	1
3154_3155	3154	3155	-22.306	-4.003	-0.007	0	0.886	-170.074	1
3155_3155	3155	3155	-87.881	-18.308	-0.008	-0.018	0.867	-597.13	1
3155_3156	3155	3156	-17.81	-3.892	-0.007	-0.01	0.792	-140.933	1
3156_3156	3156	3156	-87.515	-15.181	-0.003	-0.004	0.804	-594.704	1
3156_3157	3156	3157	-13.852	-3.752	-0.007	-0.01	0.702	-114.708	1
3157_3157	3157	3157	-90.938	-21.104	-0.002	-0.002	0.788	-613.367	1
3157_3158	3157	3158	-10.107	-3.411	-0.007	-0.009	0.574	-85.102	1
3158_3158	3158	3158	-88.359	-17.3	-0.001	-0.005	0.785	-597.891	1
3158_3159	3158	3159	-12.413	2.959	0.007	0.008	0.652	-94.164	1
3159_3159	3159	3159	-90.625	-12.626	0.003	0.003	0.806	-611.258	1
3159_3160	3159	3160	-15.625	3.233	0.007	0.008	0.767	-120.771	1
3160_3160	3160	3160	-87.053	-8.576	0.007	0.015	0.833	-591.672	1
3160_3161	3160	3161	-19.397	3.416	0.007	0.008	0.865	-147.286	1
3161_3161	3161	3161	-87.209	-15.431	0.007	-0.017	0.907	-592.937	1
3161_3162	3161	3162	-23.325	3.491	0.006	-0.001	0.944	-172.388	1
3162_3162	3162	3162	-81.114	-12.359	0.008	-0.012	0.969	-557.089	1
3162_3163	3162	3163	-28.697	3.8	0.008	-0.005	1.053	-205.892	1
3163_3163	3163	3163	-74.159	-20.601	0.013	0.021	1.132	-551.166	1
3163_3164	3163	3164	-33.023	7.988	0.001	0.026	-0.684	-93.698	1
3164_3164	3164	3164	-65.833	-17.765	-0.012	-0.021	1.226	-511.201	1
3164_3165	3164	3165	-40.829	9.169	0.005	0.014	-0.741	-155.616	1
3165_3165	3165	3165	-48.59	-24.325	-0.012	-0.037	1.17	-493.915	1
3165_3166	3165	3166	-48.293	13.719	0	0.068	-1.072	-257.715	1
3166_3166	3166	3166	-27.279	-27.843	0.005	-0.025	0.981	-392.44	1
3166_3167	3166	3167	-55.216	19.387	-0.004	0.041	-1.275	-387.55	1
3167_3167	3167	3167	-24.852	2.624	-0.001	0.029	0.074	-149.741	1
3167_3168	3167	3168	-62.14	24.278	-0.009	0.096	-1.43	-578.243	1
3168_3168	3168	3168	-56.477	-6.082	-0.013	-0.013	1.418	-201.341	1
3168_3169	3168	3169	-22.035	-18.576	-0.036	0.005	0.622	-218.318	1
3169_3169	3169	3169	-65.284	-3.542	0.001	-0.032	0.816	-283.217	1
3169_3170	3169	3170	-10.526	-15.998	-0.029	-0.02	0.355	-136.668	1
3170_3170	3170	3170	-72.008	-7.405	0.006	-0.025	0.743	-338.602	1
3170_3171	3170	3171	-7.59	-0.308	0.022	0.014	-0.083	-55.084	1
3171_3171	3171	3171	-76.458	-7.498	-0.013	-0.02	0.735	-380.868	1
3171_3172	3171	3172	-7.356	-0.297	0.012	0.019	0.015	-53.641	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3172_3172	3172	3172	-81.756	-11.767	-0.011	-0.016	0.58	-427.266	1
3172_3173	3172	3173	-7.128	-0.289	0.012	0.019	0.122	-50.43	1
3173_3173	3173	3173	-84.325	-16.516	-0.008	-0.011	0.455	-455.025	1
3173_3174	3173	3174	-6.901	-0.289	0.012	0.019	0.215	-49.021	1
3174_3174	3174	3174	-84.404	-14.379	-0.011	-0.053	0.363	-463.862	1
3174_3175	3174	3175	-6.741	-0.272	0.011	0.012	0.282	-48.026	1
3175_3175	3175	3175	-86.682	-17.962	-0.01	0.03	0.285	-482.343	1
3175_3176	3175	3176	-6.581	-0.272	0.011	0.02	0.349	-47.032	1
3176_3176	3176	3176	-88.271	-11.895	0.007	-0.035	0.236	-489.443	1
3176_3177	3176	3177	-6.421	-0.272	0.011	0.012	0.415	-46.038	1
3177_3177	3177	3177	-87.87	-15.759	0.008	0.057	0.288	-481.949	1
3177_3178	3177	3178	-6.261	-0.272	0.011	0.02	0.483	-45.043	1
3178_3178	3178	3178	-86.026	-12.092	0.006	0.024	0.366	-463.615	1
3178_3179	3178	3179	-6.063	-0.253	0.012	0.015	0.578	-43.811	1
3179_3179	3179	3179	-86.497	-17.217	0.008	0.03	0.455	-454.886	1
3179_3180	3179	3180	-5.864	-0.253	0.012	0.015	0.673	-42.579	1
3180_3180	3180	3180	-84.479	-21.954	0.012	-0.019	0.571	-427.359	1
3180_3181	3180	3181	-5.666	-0.253	0.012	0.01	0.767	-41.347	1
3181_3181	3181	3181	-79.703	-22.111	-0.012	0.036	0.727	-381.159	1
3181_3182	3181	3182	-12.007	13.993	0.029	0.024	0.425	-141.521	1
3182_3182	3182	3182	-75.707	-26.364	-0.005	-0.003	0.724	-338.899	1
3182_3183	3182	3183	-24.656	18.595	0.028	0.001	0.476	-209.262	1
3183_3183	3183	3183	-69.383	-30.256	-0.001	0.015	0.901	-284.04	1
3183_3184	3183	3184	-43.127	24.136	0.032	0.016	0.644	-335.29	1
3184_3184	3184	3184	-16.994	-3.356	-0.003	-0.031	0.167	-154.344	1
3184_3185	3184	3185	-51.696	-20.95	0.001	-0.092	-1.079	-399.692	1
3185_3185	3185	3185	-16.842	-3.57	-0.003	-0.035	0.133	-120.905	1
3185_3186	3185	3186	-42.825	-14.657	-0.004	-0.043	-0.974	-253.102	1
3186_3186	3186	3186	-33.177	-2.234	0.012	0.04	0.879	-382.612	1
3186_3187	3186	3187	-33.031	-9.595	-0.011	-0.066	-0.819	-140.778	1
3187_3187	3187	3187	-59.702	-8.429	0.014	0.015	0.983	-472.208	1
3187_3188	3187	3188	-33.95	-3.733	-0.002	0.013	1.16	-229.127	1
3188_3188	3188	3188	-74.517	-8.064	-0.008	0.006	1.193	-522.997	1
3188_3189	3188	3189	-31.893	-3.376	-0.006	0.012	1.11	-211.181	1
3189_3189	3189	3189	-85.881	-12.535	-0.006	0.007	1.046	-578.954	1
3189_3190	3189	3190	-27.694	-3.371	-0.006	0.004	0.934	-183.98	1
3190_3190	3190	3190	-91.92	-11.787	-0.004	0.001	1.025	-617.696	1
3190_3191	3190	3191	-24.189	-3.096	-0.005	-0.002	0.874	-159.919	1
3191_3191	3191	3191	-99.517	-17.893	-0.003	0.005	1.017	-663.026	1
3191_3192	3191	3192	-20.736	-3.01	-0.005	-0.002	0.805	-136.46	1
3192_3192	3192	3192	-101.092	-15.255	-0.001	-0.001	1.029	-671.225	1
3192_3193	3192	3193	-17.724	-2.884	-0.005	-0.009	0.737	-115.963	1
3193_3193	3193	3193	-105.941	-9.664	0.003	0.011	1.073	-696.732	1
3193_3194	3193	3194	-18.862	3.605	0.009	0.02	0.926	-119.411	1
3194_3194	3194	3194	-104.814	-6.118	0.007	0.005	1.112	-690.196	1
3194_3195	3194	3195	-22.649	3.737	0.009	0.014	1.037	-144.852	1
3195_3195	3195	3195	-107.478	-12.145	0.008	0.009	1.183	-706.577	1
3195_3196	3195	3196	-26.545	3.815	0.009	0.014	1.144	-170.595	1
3196_3196	3196	3196	-104.399	-8.688	0.011	-0.02	1.264	-688.843	1
3196_3197	3196	3197	-31.019	4.009	0.011	-0.002	1.274	-200.057	1
3197_3197	3197	3197	-104.363	-15.24	0.013	0.026	1.374	-688.935	1
3197_3198	3197	3198	-35.551	4.074	0.011	0.011	1.398	-229.396	1
3198_3198	3198	3198	-98.333	-12.801	0.009	-0.001	1.498	-652.131	1
3198_3199	3198	3199	-41.851	4.502	0.011	-0.002	1.546	-269.181	1
3199_3199	3199	3199	-91.459	-20.778	0.012	-0.028	1.665	-608.591	1
3199_3200	3199	3200	-43.446	4.417	0.011	-0.026	1.723	-285.705	1
3200_3200	3200	3200	-82.38	-18.907	-0.008	-0.014	1.721	-567.755	1
3200_3201	3200	3201	-44.925	4.951	0.007	-0.014	1.792	-329.314	1
3201_3201	3201	3201	-60.159	-25.24	-0.013	-0.118	2.344	-559.642	1
3201_3202	3201	3202	-38.864	15.266	-0.005	0.123	-2.591	-232.234	1
3202_3202	3202	3202	-37.024	-28.805	0.012	-0.065	2.009	-451.283	1
3202_3203	3202	3203	-47.232	20.035	-0.008	0.092	-2.888	-376.511	1
3203_3203	3203	3203	-17.177	-34.637	0.004	-0.12	1.878	-322.366	1
3203_3204	3203	3204	-55.444	27.029	-0.017	0.201	-3.166	-580.184	1
3204_3204	3204	3204	-65.464	-7.569	-0.038	-0.069	3.204	-248.205	1
3204_3205	3204	3205	-24.185	-20.599	-0.045	-0.04	1.097	-239.821	1
3205_3205	3205	3205	-72.661	-4.611	-0.021	-0.001	1.979	-333.547	1
3205_3206	3205	3206	-12.528	-15.849	-0.041	0.002	1.033	-165.651	1
3206_3206	3206	3206	-78.12	-8.152	-0.011	-0.049	1.623	-385.885	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3206_3207	3206	3207	-5.53	-0.831	-0.03	-0.025	1.517	-63.794	1
3207_3207	3207	3207	-81.712	-8.465	-0.028	-0.022	1.385	-426.826	1
3207_3208	3207	3208	-4.953	-0.765	-0.029	-0.032	1.27	-59.434	1
3208_3208	3208	3208	-85.982	-12.441	-0.022	-0.01	1.033	-471.147	1
3208_3209	3208	3209	-4.377	-0.753	-0.028	-0.031	1.017	-54.31	1
3209_3209	3209	3209	-87.972	-16.841	-0.015	-0.066	0.764	-498.6	1
3209_3210	3209	3210	-4.464	0.645	0.031	0.031	0.161	-45.136	1
3210_3210	3210	3210	-87.96	-15.427	-0.022	-0.004	0.587	-509.312	1
3210_3211	3210	3211	-4.85	0.681	0.03	0.035	0.339	-47.681	1
3211_3211	3211	3211	-89.691	-18.811	-0.017	0.005	0.439	-526.757	1
3211_3212	3211	3212	-5.24	0.69	0.03	0.036	0.519	-51.251	1
3212_3212	3212	3212	-90.558	-11.451	0.013	-0.052	0.363	-535.177	1
3212_3213	3212	3213	-5.635	0.702	0.031	0.028	0.706	-55.14	1
3213_3213	3213	3213	-90.297	-15.087	0.017	0.054	0.465	-528.944	1
3213_3214	3213	3214	-6.035	0.72	0.033	0.039	0.915	-60.124	1
3214_3214	3214	3214	-88.814	-12.298	0.009	-0.026	0.62	-512.575	1
3214_3215	3214	3215	-6.613	0.766	0.033	0.028	1.182	-63.939	1
3215_3215	3215	3215	-89.132	-17.068	0.014	0.047	0.795	-503.16	1
3215_3216	3215	3216	-7.191	0.766	0.034	0.036	1.452	-67.754	1
3216_3216	3216	3216	-87.436	-21.474	0.019	0.051	1.042	-476.919	1
3216_3217	3216	3217	-7.783	0.787	0.035	0.038	1.777	-74.156	1
3217_3217	3217	3217	-83.419	-21.916	0.002	0.026	1.372	-433.642	1
3217_3218	3217	3218	-13.169	15.328	0.05	0.045	1.143	-169.128	1
3218_3218	3218	3218	-79.986	-25.838	0.007	0.087	1.593	-393.159	1
3218_3219	3218	3219	-25.831	19.75	0.048	0.061	1.143	-237.894	1
3219_3219	3219	3219	-74.503	-29.419	0.025	-0.055	1.941	-332.802	1
3219_3220	3219	3220	-44.426	24.853	0.04	-0.043	1.137	-357.845	1
3220_3220	3220	3220	-15.051	-3.554	-0.005	-0.054	-0.351	-130.051	1
3220_3221	3220	3221	-47.432	-21.952	0.002	-0.101	-2.394	-363.792	1
3221_3221	3221	3221	-22.571	-0.009	-0.006	-0.009	1.622	-329.069	1
3221_3222	3221	3222	-44.098	-5.448	-0.013	-0.013	2.8	-424.292	1
3222_3222	3222	3222	-42.292	-2.574	0.014	0.238	1.646	-459.219	1
3222_3223	3222	3223	-46.475	-5.027	-0.016	0.246	2.572	-367.996	1
3223_3223	3223	3223	-73.056	-8.253	0.007	-0.108	1.289	-534.722	1
3223_3224	3223	3224	-49.062	-4.909	-0.011	-0.064	1.555	-300.156	1
3224_3224	3224	3224	-90.136	-8.183	-0.005	0.177	1.47	-591.206	1
3224_3225	3224	3225	-46.242	-4.527	-0.006	0.105	1.505	-276.594	1
3225_3225	3225	3225	-95.815	-13.423	-0.007	-0.117	1.559	-680.769	1
3225_3226	3225	3226	-36.998	-4.58	-0.007	-0.046	1.48	-244.664	1
3226_3226	3226	3226	-103.464	-12.973	-0.007	0.163	1.56	-734.704	1
3226_3227	3226	3227	-31.941	-4.259	-0.01	0.051	1.345	-209.219	1
3227_3227	3227	3227	-111.143	-6.695	-0.004	-0.157	1.567	-784.73	1
3227_3228	3227	3228	-27.002	-4.185	-0.011	-0.053	1.205	-175.411	1
3228_3228	3228	3228	-112.075	-4.413	0.003	0.205	1.522	-790.19	1
3228_3229	3228	3229	-22.973	3.823	0.009	0.07	1.145	-148.457	1
3229_3229	3229	3229	-115.725	-11.158	0.002	-0.175	1.558	-813.281	1
3229_3230	3229	3230	-27.524	3.98	0.009	-0.005	1.277	-182.571	1
3230_3230	3230	3230	-111.358	-9.275	0.007	0.18	1.59	-785.317	1
3230_3231	3230	3231	-32.456	4.257	0.009	0.073	1.402	-219.31	1
3231_3231	3231	3231	-109.851	-16.006	0.005	-0.178	1.662	-775.155	1
3231_3232	3231	3232	-37.534	4.339	0.008	-0.036	1.505	-254.79	1
3232_3232	3232	3232	-101.135	-15.4	-0.009	0.089	1.702	-717.869	1
3232_3233	3232	3233	-41.092	4.752	0.005	0.059	1.546	-279.625	1
3233_3233	3233	3233	-98.009	-19.466	-0.01	0.051	1.583	-695.814	1
3233_3234	3233	3234	-44.54	4.835	0.005	0.038	1.578	-304.389	1
3234_3234	3234	3234	-91.6	-23.413	-0.018	-0.137	2.298	-657.379	1
3234_3235	3234	3235	-47.256	4.712	0.007	-0.072	2.534	-332.922	1
3235_3235	3235	3235	-79.755	-23.826	0.072	0.054	2.068	-596.222	1
3235_3236	3235	3236	-48.257	5.103	0.026	0.047	2.685	-354.93	1
3236_3236	3236	3236	-71.136	-26.677	0.071	-0.024	2.417	-562.517	1
3236_3237	3236	3237	-48.357	4.997	0.025	-0.02	2.816	-375.31	1
3237_3237	3237	3237	-51.374	-28.989	0.106	-0.357	4.263	-581.443	1
3237_3238	3237	3238	-41.782	19.696	-0.014	0.154	-4.161	-288.175	1
3238_3238	3238	3238	-35.569	-22.451	-0.079	-0.018	4.986	-487.914	1
3238_3239	3238	3239	-47.358	17.001	0.083	0.215	-3.765	-406.572	1
3239_3239	3239	3239	-24.6	-27.709	-0.073	-0.257	3.754	-435.118	1
3239_3240	3239	3240	-52.088	20.072	0.085	0.142	-3.274	-554.703	1
3240_3240	3240	3240	-15.249	0.712	0.091	-0.354	1.264	-182.622	1
3240_3241	3240	3241	-52.61	16.315	0.087	0.413	-2.805	-644.2	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3241_3241	3241	3241	-83.249	-9.638	0.014	-0.039	4.538	-421.579	1
3241_3242	3241	3242	-13.026	-14.991	0.029	0.145	1.637	-257.742	1
3242_3242	3242	3242	-84.764	-14.404	0.032	-0.291	3.931	-450.852	1
3242_3243	3242	3243	-7.133	-0.625	0.06	0.014	3.777	-77.961	1
3243_3243	3243	3243	-83.323	-6.918	-0.14	0.031	3.918	-458.679	1
3243_3244	3243	3244	-6.542	-0.661	-0.078	-0.042	3.035	-73.697	1
3244_3244	3244	3244	-88.349	-11.108	-0.121	-0.128	2.274	-521.094	1
3244_3245	3244	3245	-5.982	-0.661	-0.078	-0.071	2.242	-69.259	1
3245_3245	3245	3245	-91.034	-13.218	-0.03	0.133	0.836	-564.761	1
3245_3246	3245	3246	-5.438	-0.665	-0.051	-0.048	1.736	-64.844	1
3246_3246	3246	3246	-93.588	-18.365	-0.006	-0.231	0.45	-602.477	1
3246_3247	3246	3247	-4.909	-0.635	-0.048	-0.087	1.166	-55.146	1
3247_3247	3247	3247	-93.31	-19.819	-0.047	0.127	0.408	-611.688	1
3247_3248	3247	3248	-4.457	-0.591	-0.035	-0.055	0.846	-51.521	1
3248_3248	3248	3248	-93.964	-13.185	-0.021	-0.13	0.008	-613.867	1
3248_3249	3248	3249	-3.94	-0.591	-0.036	-0.085	0.472	-47.349	1
3249_3249	3249	3249	-92.094	-15.899	0.038	0.156	-0.114	-584.339	1
3249_3250	3249	3250	-4.242	0.832	0.021	0.094	1.911	-80.347	1
3250_3250	3250	3250	-89.778	-21.25	0.046	-0.086	0.366	-545.535	1
3250_3251	3250	3251	-4.905	0.863	0.02	0.055	2.188	-90.722	1
3251_3251	3251	3251	-85.756	-13.186	0.177	0.251	0.861	-489.827	1
3251_3252	3251	3252	-5.618	0.983	0.095	0.106	2.988	-96.19	1
3252_3252	3252	3252	-88.735	-17.809	0.222	0.004	2.613	-490.308	1
3252_3253	3252	3253	-12.566	14.681	0.061	0.02	1.893	-237.333	1
3253_3253	3253	3253	-88.943	-22.332	0.246	-0.063	4.707	-462.659	1
3253_3254	3253	3254	-22.503	15.542	0.047	-0.033	1.919	-380.096	1
3254_3254	3254	3254	-86.301	-14.216	-0.239	-0.373	7.162	-422.789	1
3254_3255	3254	3255	-26.255	13.618	-0.017	-0.66	1.839	-337.2	1
3255_3255	3255	3255	-17.518	-3.222	0.069	-0.141	-0.618	-141.675	1
3255_3256	3255	3256	-52.749	-18.845	0.323	-0.361	-1.929	-483.398	1
3256_3256	3256	3256	-24.018	-7.124	-0.255	-0.031	1.662	-406.593	1
3256_3257	3256	3257	-48.292	-16.56	0.305	-0.473	0.742	-375.644	1
3257_3257	3257	3257	-31.29	-0.539	0.121	0.234	-0.579	-453.621	1
3257_3258	3257	3258	-44.907	-5.67	0.112	0.335	1.925	-475.718	1
3258_3258	3258	3258	-47.145	-3.998	0.123	0.075	0.53	-556.196	1
3258_3259	3258	3259	-46.067	-5.631	0.112	0.113	2.928	-432.146	1
3259_3259	3259	3259	-72.436	-0.069	0.075	-0.13	0.964	-569.585	1
3259_3260	3259	3260	-53.393	-5.489	0.07	-0.091	2.056	-380.836	1
3260_3260	3260	3260	-77.466	-5.421	0.028	0.17	1.186	-587.356	1
3260_3261	3260	3261	-52.445	-4.982	-0.006	0.145	2.019	-351.08	1
3261_3261	3261	3261	-90.676	-8.774	0.032	0.059	1.43	-641.603	1
3261_3262	3261	3262	-48.97	-5.245	-0.007	0.049	1.959	-318.811	1
3262_3262	3262	3262	-105.536	-13.271	0.025	-0.14	1.336	-652.221	1
3262_3263	3262	3263	-46.314	-5.346	-0.006	-0.066	1.401	-273.86	1
3263_3263	3263	3263	-110.012	-11.163	-0.003	0.1	1.586	-680.385	1
3263_3264	3263	3264	-40.77	-4.852	-0.003	0.049	1.37	-241.798	1
3264_3264	3264	3264	-119.038	-16.477	-0.002	-0.049	1.635	-734.588	1
3264_3265	3264	3265	-35.018	-4.789	-0.003	-0.008	1.329	-207.836	1
3265_3265	3265	3265	-122.669	-15.719	-0.002	0.123	1.703	-757.235	1
3265_3266	3265	3266	-29.645	-4.571	-0.005	0.033	1.269	-176.863	1
3266_3266	3266	3266	-128.37	-21.555	-0.002	-0.121	1.752	-790.69	1
3266_3267	3266	3267	-24.459	-4.4	-0.005	-0.028	1.173	-143.629	1
3267_3267	3267	3267	-126.981	-20.393	0.006	0.082	1.794	-783.87	1
3267_3268	3267	3268	-24.629	4.204	0.011	0.046	1.378	-165.632	1
3268_3268	3268	3268	-127.101	-26.348	0.006	-0.094	1.92	-785.519	1
3268_3269	3268	3269	-29.531	4.26	0.01	0.003	1.501	-194.982	1
3269_3269	3269	3269	-120.218	-12.665	0.002	0.112	2.038	-748.841	1
3269_3270	3269	3270	-35.114	4.548	0.013	0.056	1.66	-228.656	1
3270_3270	3270	3270	-114.654	-18.863	-0.002	-0.122	1.98	-716.87	1
3270_3271	3270	3271	-40.679	4.562	0.011	-0.024	1.796	-260.52	1
3271_3271	3271	3271	-103.13	-20.343	0.018	0.13	1.852	-649.907	1
3271_3272	3271	3272	-44.141	4.956	-0.011	0.096	1.711	-281.63	1
3272_3272	3272	3272	-90.607	-23.814	0.02	-0.019	2.541	-669.558	1
3272_3273	3272	3273	-44.323	4.91	-0.017	0.014	2.14	-337.835	1
3273_3273	3273	3273	-77.477	-28.045	0.014	-0.258	2.537	-602.818	1
3273_3274	3273	3274	-45.032	4.815	-0.018	-0.147	1.985	-367.282	1
3274_3274	3274	3274	-62.711	-19.46	-0.099	0.097	2.452	-535.341	1
3274_3275	3274	3275	-45.388	6.618	-0.086	0.103	1.789	-379.34	1
3275_3275	3275	3275	-51.727	-20.529	-0.155	0.001	3.401	-583.3	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3275_3276	3275	3276	-44.138	15.711	0.176	0.175	-2.523	-293.361	1
3276_3276	3276	3276	-41.846	-24.909	-0.144	-0.276	1.761	-550.72	1
3276_3277	3276	3277	-49.74	18.243	0.189	0.072	-1.028	-393.102	1
3277_3277	3277	3277	-30.731	-20.608	0.106	-0.427	0.307	-492.469	1
3277_3278	3277	3278	-52.562	15.123	-0.167	0.529	-2.774	-505.529	1
3278_3278	3278	3278	-20.673	-25.579	0.096	-0.644	1.079	-447.003	1
3278_3279	3278	3279	-53.872	17.388	-0.16	0.531	-4.317	-617.826	1
3279_3279	3279	3279	-92.013	-16.012	-0.052	1.554	3.105	-486.514	1
3279_3280	3279	3280	-16.143	-13.956	0.021	-0.087	1.385	-287.812	1
3280_3280	3280	3280	-90.478	-9.245	-0.021	0.202	2.681	-483.461	1
3280_3281	3280	3281	-8.62	-13.962	-0.012	0.11	1.504	-236.14	1
3281_3281	3281	3281	-92.39	-12.084	0	-0.039	2.052	-500.433	1
3281_3282	3281	3282	-6.166	-0.795	-0.078	-0.045	0.955	-20.977	1
3282_3282	3282	3282	-92.714	-16.985	0.019	-0.255	1.776	-521.978	1
3282_3283	3282	3283	-5.594	-0.795	-0.074	-0.035	0.332	25.327	1
3283_3283	3283	3283	-78.924	-14.152	-0.297	0.179	5.25	-563.597	1
3283_3284	3283	3284	-6.629	-0.861	-0.091	-0.081	-0.037	42.262	1
3284_3284	3284	3284	-77.084	-20.818	-0.199	-0.338	1.25	-578.644	1
3284_3285	3284	3285	-5.939	-0.84	-0.074	-0.035	-0.941	48.286	1
3285_3285	3285	3285	-72.094	-16.907	0.023	0.191	-0.657	-547.574	1
3285_3286	3285	3286	-5.157	-0.947	0.007	-0.081	-0.822	54.67	1
3286_3286	3286	3286	-74.683	-12.639	0.04	-0.322	0.624	-564.491	1
3286_3287	3286	3287	-4.5	-0.89	0.024	-0.015	-0.497	58.104	1
3287_3287	3287	3287	-74.805	-9.01	0.027	0.242	1.202	-541.797	1
3287_3288	3287	3288	-3.773	-0.897	-0.062	-0.065	-1.135	62.742	1
3288_3288	3288	3288	-79.906	-15.728	0.085	-0.214	1.888	-558.602	1
3288_3289	3288	3289	-3.106	-0.856	-0.05	-0.007	-1.597	66.555	1
3289_3289	3289	3289	-81.898	-7.245	0.003	0.317	3.794	-508.164	1
3289_3290	3289	3290	-2.586	-0.898	0.008	-0.077	-1.488	70.747	1
3290_3290	3290	3290	-86.712	-11.578	0.051	0.045	4.363	-524.507	1
3290_3291	3290	3291	-5.76	12.674	0.059	0.053	3.115	-294.547	1
3291_3291	3291	3291	-88.911	-15.47	0.102	-0.204	5.515	-523.904	1
3291_3292	3291	3292	-12.04	14.933	0.05	-0.108	2.944	-362.617	1
3292_3292	3292	3292	-89.475	-10.395	-0.276	0.537	7.066	-501.026	1
3292_3293	3292	3293	-14.497	14.805	-0.049	-0.841	2.683	-386.194	1
3293_3293	3293	3293	-15.661	-4.022	-0.012	0.13	1.938	-405.669	1
3293_3294	3293	3294	-36.216	-8.341	-0.034	0.576	3.267	-731.285	1
3294_3294	3294	3294	-23.794	-7.487	-0.078	-0.412	1.987	-505.851	1
3294_3295	3294	3295	-38.168	-8.319	-0.035	-0.41	3.048	-657.959	1
3295_3295	3295	3295	-32.854	-3.036	-0.011	0.525	0.63	-594.914	1
3295_3296	3295	3296	-39.766	-6.055	-0.061	0.638	2.373	-597.556	1
3296_3296	3296	3296	-47.59	-7.874	0.005	-0.183	0.217	-736.425	1
3296_3297	3296	3297	-39.5	-6.142	-0.062	-0.109	1.903	-555.121	1
3297_3297	3297	3297	-67.328	2.257	0.016	-0.446	0.222	-769.907	1
3297_3298	3297	3298	-45.02	-6.133	-0.042	-0.346	1.104	-493.799	1
3298_3298	3298	3298	-71.915	6.991	0.059	0.344	0.346	-805.109	1
3298_3299	3298	3299	-42.673	-4.821	0.027	0.21	1.338	-464.849	1
3299_3299	3299	3299	-81.193	2.607	0.055	0.01	0.929	-897.894	1
3299_3300	3299	3300	-40.319	-4.828	0.027	0.023	1.544	-439.663	1
3300_3300	3300	3300	-74.62	-1.387	0.075	-0.513	2.134	-1033.535	1
3300_3301	3300	3301	-32.667	-4.866	0.041	-0.221	2.652	-446.538	1
3301_3301	3301	3301	-78.256	3.272	-0.059	0.685	2.655	-1081.843	1
3301_3302	3301	3302	-29.943	-4.049	-0.037	0.284	2.218	-409.043	1
3302_3302	3302	3302	-86.29	-3.164	-0.059	-0.582	1.915	-1188.475	1
3302_3303	3302	3303	-27.214	-4.034	-0.038	-0.171	1.756	-372.431	1
3303_3303	3303	3303	-89.747	-0.216	-0.017	0.559	1.193	-1234.181	1
3303_3304	3303	3304	-24.66	-3.595	-0.018	0.162	1.519	-338.453	1
3304_3304	3304	3304	-94.855	-6.9	-0.019	-0.549	0.936	-1301.9	1
3304_3305	3304	3305	-22.396	-3.547	-0.019	-0.137	1.306	-306.846	1
3305_3305	3305	3305	-95.154	-2.828	-0.023	0.662	0.662	-1305.713	1
3305_3306	3305	3306	-19.978	-3.3	-0.021	0.127	1.026	-274.676	1
3306_3306	3306	3306	-98.281	-24.007	-0.027	-0.773	0.399	-1347.462	1
3306_3307	3306	3307	-17.968	-3.262	-0.022	-0.17	0.787	-246.402	1
3307_3307	3307	3307	-96.844	-19.683	-0.022	0.532	0.055	-1328.195	1
3307_3308	3307	3308	-15.777	-3.15	-0.031	0.067	0.4	-217.241	1
3308_3308	3308	3308	-97.882	-25.86	-0.024	-0.677	-0.277	-1341.834	1
3308_3309	3308	3309	-13.738	-3.137	-0.031	-0.145	0.033	-189.563	1
3309_3309	3309	3309	-94.287	-21.83	-0.028	0.469	-0.592	-1293.722	1
3309_3310	3309	3310	-11.708	-3.086	-0.029	0.013	-0.317	-161.255	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3310_3310	3310	3310	-92.954	-27.853	-0.032	-0.534	-0.964	-1275.382	1
3310_3311	3310	3311	-9.606	-3.04	-0.03	-0.124	-0.685	-131.607	1
3311_3311	3311	3311	-86.252	-25.424	-0.01	0.394	-1.439	-1184.97	1
3311_3312	3311	3312	-7.532	-3.036	-0.085	-0.024	-1.706	-100.714	1
3312_3312	3312	3312	-80.1	-32.332	0.015	-0.541	-1.287	-1100.981	1
3312_3313	3312	3313	-5.545	-2.802	-0.081	-0.109	-2.619	-69.375	1
3313_3313	3313	3313	-66.955	-32.637	-0.071	0.16	-0.555	-922.566	1
3313_3314	3313	3314	-3.715	-2.418	0.025	-0.029	-2.088	-40.383	1
3314_3314	3314	3314	-49.972	-45.835	-0.076	-0.554	-1.288	-694.097	1
3314_3315	3314	3315	-2.578	3.28	-0.15	0.08	-2.338	3.891	1
3315_3315	3315	3315	-23.057	-56.455	0.219	0.386	-1.792	-328.627	1
3315_3316	3315	3316	-4.414	16.372	-0.199	-0.1	0	-19.324	1
3400_3020	3400	3020	-12.191	-0.87	1.023	0.028	-13.558	-69.297	1
3400_3401	3400	3401	-65.602	6.815	0.636	-0.056	26.994	47.491	1
3401_3401	3401	3401	-12.17	-0.918	0.647	-0.071	-9.156	-65.734	1
3401_3402	3401	3402	-65.535	5.488	-1.805	0.396	19.855	28.367	1
3402_3402	3402	3402	-12.143	-1.21	0.67	-0.018	-6.932	-62.528	1
3402_3403	3402	3403	-65.651	3.913	-1.689	-0.03	1.43	-14.372	1
3403_3403	3403	3403	-12.513	-1.626	-0.026	-0.023	0.273	-49.958	1
3403_3404	3403	3404	-60.08	1.975	-0.061	0.109	1.1	-28.602	1
3404_3404	3404	3404	-12.472	-1.911	-0.015	-0.056	0.077	-38.245	1
3404_3405	3404	3405	-60.11	0.603	-0.013	0.061	0.998	-32.955	1
3405_3405	3405	3405	-12.828	-2.39	0.033	-0.042	-0.133	-24.648	1
3405_3406	3405	3406	-56.367	-1.14	-0.092	0.09	-0.116	-16.534	1
3406_3406	3406	3406	-13.225	-2.883	-0.668	-0.106	0.239	9.835	1
3406_3407	3406	3407	-53.565	-2.913	0.482	0.117	4.4	9.258	1
3407_3407	3407	3407	-13.165	-3.151	-0.641	0.075	-5.65	35.366	1
3407_3408	3407	3408	-53.494	-3.998	0.586	0.045	7.668	31.488	1
3408_3408	3408	3408	-14.066	-0.24	0.65	-0.721	-9.654	52.841	1
3408_3409	3408	3409	-53.873	4.481	2.039	-0.271	-2.203	61.309	1
3409_3409	3409	3409	-14.11	-0.059	0.249	0.673	-7.68	53.752	1
3409_3410	3409	3410	-54.061	-5.391	2.111	0.203	4.203	77.595	1
3410_3410	3410	3410	-14.359	2.944	0.453	-0.143	-6.574	53.791	1
3410_3411	3410	3411	-56.751	5.7	-0.345	-0.115	2.112	36.204	1
3411_3411	3411	3411	-14.417	2.637	0.491	0.035	-4.102	37.435	1
3411_3412	3411	3412	-56.861	4.49	-0.201	-0.071	0.291	-3.59	1
3412_3412	3412	3412	-15.109	2.133	-0.006	-0.027	0.249	13.986	1
3412_3413	3412	3413	-60.571	2.661	0.062	-0.084	0.997	-41.939	1
3413_3413	3413	3413	-15.835	1.615	-0.056	-0.005	0.172	-16.655	1
3413_3414	3413	3414	-65.315	0.873	-0.05	-0.026	0.478	-48.236	1
3414_3414	3414	3414	-15.868	1.248	-0.022	-0.058	-0.21	-28.307	1
3414_3415	3414	3415	-65.318	-0.642	0.084	-0.136	1.116	-43.608	1
3415_3415	3415	3415	-16.676	0.785	1.2	0.039	-0.392	-37.128	1
3415_3416	3415	3416	-71.91	-2.651	2.037	0.061	23.222	-14.665	1
3416_3416	3416	3416	-16.689	0.39	1.205	-0.278	12.706	-45.699	1
3416_3417	3416	3417	-71.826	-4.355	2.061	-0.495	30.397	0.507	1
3417_3417	3417	3417	-16.732	0.391	0.798	0.045	17.46	-47.053	1
3417_3036	3417	3036	-71.949	-5.63	-0.704	0.066	28.446	23.599	1
3420_3056	3420	3056	-17.216	-0.012	-0.947	-0.036	15.115	-34.002	1
3420_3421	3420	3421	-70.471	5.869	1.084	-0.06	24.085	16.184	1
3421_3421	3421	3421	-17.165	0.001	-0.823	0.189	10.751	-33.953	1
3421_3422	3421	3422	-70.371	4.676	-1.685	0.378	17.116	-0.116	1
3422_3422	3422	3422	-17.161	-0.406	-0.813	-0.017	7.88	-33.958	1
3422_3423	3422	3423	-70.463	3.005	-1.647	-0.028	-0.873	-32.945	1
3423_3423	3423	3423	-15.98	-0.852	0.071	0.034	-0.967	-29.519	1
3423_3424	3423	3424	-63.294	1.104	0.067	0.094	-0.253	-40.893	1
3424_3424	3424	3424	-15.956	-1.216	0.087	0.021	-0.465	-23.382	1
3424_3425	3424	3425	-63.303	-0.341	0.131	0.059	0.68	-38.432	1
3425_3425	3425	3425	-14.87	-1.69	0.031	0.025	0.152	-14.605	1
3425_3426	3425	3426	-58.274	-1.991	-0.062	0.08	-0.099	-9.728	1
3426_3426	3426	3426	-13.863	-2.175	-0.483	-0.007	0.63	9.787	1
3426_3427	3426	3427	-54.33	-3.787	0.172	0.09	1.589	24.239	1
3427_3427	3427	3427	-13.816	-2.457	-0.474	0.086	-3.637	29.036	1
3427_3428	3427	3428	-54.242	-4.845	0.21	0.072	2.784	50.272	1
3428_3428	3428	3428	-13.136	0.368	-0.19	-0.752	-6.551	42.886	1
3428_3429	3428	3429	-51.164	6.031	-1.556	-0.148	-1.49	33.182	1
3429_3429	3429	3429	-13.062	-0.119	-0.713	0.797	-7.138	41.962	1
3429_3430	3429	3430	-50.977	-4.904	-1.871	0.252	-7.412	57.555	1
3430_3430	3430	3430	-12.468	2.26	0.486	-0.055	-6.361	39.375	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3430_3431	3430	3431	-53.468	4.564	-0.208	-0.037	2.31	19.702	1
3431_3431	3431	3431	-12.513	2	0.469	-0.012	-3.646	26.816	1
3431_3432	3431	3432	-53.552	3.447	-0.277	-0.11	-0.136	-10.841	1
3432_3432	3432	3432	-12.985	1.559	-0.025	-0.026	0.508	9.062	1
3432_3433	3432	3433	-57.275	1.744	0.073	-0.082	0.747	-35.977	1
3433_3433	3433	3433	-13.491	1.113	-0.076	-0.042	0.18	-13.326	1
3433_3434	3433	3434	-62.017	0.104	-0.064	-0.096	0.142	-36.731	1
3434_3434	3434	3434	-13.513	0.799	-0.089	-0.013	-0.375	-21.352	1
3434_3435	3434	3435	-62.002	-1.338	-0.124	-0.063	-0.768	-27.084	1
3435_3435	3435	3435	-14.108	0.392	0.959	0.037	-1.013	-26.763	1
3435_3436	3435	3436	-68.799	-3.193	1.688	0.027	17.506	7.769	1
3436_3436	3436	3436	-14.112	0.047	0.985	-0.252	9.472	-31.04	1
3436_3437	3436	3437	-68.697	-4.874	1.814	-0.386	23.835	24.806	1
3437_3437	3437	3437	-14.158	0.045	0.434	0.038	13.553	-31.204	1
3437_3072	3437	3072	-68.847	-5.96	-0.923	0.062	21.15	49.192	1
3440_3094	3440	3094	-15.549	-0.087	-0.497	-0.043	12.743	-35.467	1
3440_3441	3440	3441	-67.968	5.834	1.214	-0.061	19.609	21.451	1
3441_3441	3441	3441	-15.502	-0.09	-0.775	0.179	10.09	-35.112	1
3441_3442	3441	3442	-67.844	4.671	-1.369	0.338	13.708	5.157	1
3442_3442	3442	3442	-15.495	-0.466	-0.774	-0.003	7.387	-34.799	1
3442_3443	3442	3443	-67.937	3.025	-1.365	0.005	-1.182	-27.86	1
3443_3443	3443	3443	-14.753	-0.882	0.085	0.027	-1.031	-29.718	1
3443_3444	3443	3444	-61.251	1.242	0.117	0.088	-0.187	-36.81	1
3444_3444	3444	3444	-14.729	-1.224	0.082	0.041	-0.417	-23.363	1
3444_3445	3444	3445	-61.263	-0.182	0.105	0.1	0.576	-35.499	1
3445_3445	3445	3445	-14.069	-1.694	0.026	0.031	0.147	-14.586	1
3445_3446	3445	3446	-56.657	-1.762	-0.065	0.099	-0.237	-10.1	1
3446_3446	3446	3446	-13.482	-2.174	-0.392	0.023	0.552	9.901	1
3446_3447	3446	3447	-53.028	-3.439	0.173	0.12	1.441	20.358	1
3447_3447	3447	3447	-13.434	-2.451	-0.406	0.053	-2.93	29.154	1
3447_3448	3447	3448	-52.946	-4.528	0.117	0.07	2.085	45.531	1
3448_3448	3448	3448	-13.172	0.329	-0.044	-0.927	-5.504	42.986	1
3448_3449	3448	3449	-50.12	6.089	-1.419	-0.386	-1.722	28.217	1
3449_3449	3449	3449	-13.112	-0.113	-0.651	0.98	-5.65	42.091	1
3449_3450	3449	3450	-49.904	-5.21	-2.094	0.444	-8.048	44.041	1
3450_3450	3450	3450	-12.444	2.594	0.554	-0.004	-7.179	42.444	1
3450_3451	3450	3451	-50.876	4.319	-0.395	-0.053	3.255	19.497	1
3451_3451	3451	3451	-12.495	2.338	0.55	0.072	-4.095	28.02	1
3451_3452	3451	3452	-50.954	3.272	-0.411	-0.126	-0.385	-9.484	1
3452_3452	3452	3452	-12.187	1.875	-0.072	0.046	0.849	7.262	1
3452_3453	3452	3453	-54.589	1.676	0.088	-0.097	0.704	-33.642	1
3453_3453	3453	3453	-11.933	1.43	0.043	0.048	-0.078	-19.653	1
3453_3454	3453	3454	-59.199	0.18	-0.096	-0.091	-0.151	-34.943	1
3454_3454	3454	3454	-11.963	1.152	0.046	0.036	0.237	-29.966	1
3454_3455	3454	3455	-59.187	-1.195	-0.084	-0.094	-0.758	-26.326	1
3455_3455	3455	3455	-11.715	0.773	-0.426	0.021	0.708	-37.79	1
3455_3456	3455	3456	-65.857	-2.896	1.188	-0.014	12.016	5.279	1
3456_3456	3456	3456	-11.731	0.488	-0.414	0.072	-3.925	-46.223	1
3456_3457	3456	3457	-65.766	-4.491	1.25	-0.301	16.372	20.954	1
3457_3457	3457	3457	-11.763	0.437	-0.748	-0.026	-5.615	-47.925	1
3457_3110	3457	3110	-65.904	-5.613	-1.014	0.051	13.175	43.937	1
3460_3132	3460	3132	-19.165	1.195	0.106	-0.023	8.407	-31.2	1
3460_3461	3460	3461	-77.724	10.1	1.743	-0.032	14.655	17.102	1
3461_3461	3461	3461	-19.143	0.348	-0.597	0.117	8.3	-37.059	1
3461_3462	3461	3462	-77.938	5.627	-0.871	0.249	10.56	-2.521	1
3462_3462	3462	3462	-19.145	-0.112	-0.615	0.002	6.229	-38.27	1
3462_3463	3462	3463	-78.05	3.756	-0.942	-0.002	0.277	-43.531	1
3463_3463	3463	3463	-18.759	-0.706	0.042	0.021	-0.371	-37.15	1
3463_3464	3463	3464	-72.596	1.756	-0.001	0.074	0.485	-57.371	1
3464_3464	3464	3464	-18.738	-1.142	0.04	0.026	-0.067	-32.061	1
3464_3465	3464	3465	-72.617	0.068	-0.008	0.069	0.43	-57.86	1
3465_3465	3465	3465	-18.46	-1.749	0.013	0.017	0.161	-23.898	1
3465_3466	3465	3466	-69.369	-1.727	-0.011	0.071	0.378	-32.973	1
3466_3466	3466	3466	-18.23	-2.342	-0.191	0.004	0.294	1.331	1
3466_3467	3466	3467	-67.319	-3.646	-0.268	0.056	-1.873	-0.687	1
3467_3467	3467	3467	-18.178	-2.717	-0.188	0.036	-1.397	22.071	1
3467_3468	3467	3468	-67.23	-5.029	-0.257	0.094	-3.3	27.267	1
3468_3468	3468	3468	-18.286	1.174	0.432	-0.385	-2.653	37.383	1
3468_3469	3468	3469	-65.945	9.193	-0.515	-0.128	-4.992	-0.521	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3469_3469	3469	3469	-16.91	-1.619	-0.294	0.245	-0.654	14.63	1
3469_3470	3469	3470	-60.877	-9.155	0.516	-0.067	-1.788	8.897	1
3470_3470	3470	3470	-17.015	2.007	0.113	-0.019	-1.424	19.527	1
3470_3471	3470	3471	-62.448	3.985	0.146	-0.079	-0.922	-13.245	1
3471_3471	3471	3471	-17.052	1.657	0.11	-0.004	-0.796	8.37	1
3471_3472	3471	3472	-62.517	2.7	0.136	-0.058	0.283	-37.154	1
3472_3472	3472	3472	-17.397	1.128	-0.008	-0.01	0.211	-6.303	1
3472_3473	3472	3473	-64.822	0.933	0.024	-0.065	0.517	-50.61	1
3473_3473	3473	3473	-17.863	0.602	-0.047	-0.014	0.143	-22.483	1
3473_3474	3473	3474	-68.418	-0.704	-0.07	-0.059	-0.022	-45.534	1
3474_3474	3474	3474	-17.873	0.186	-0.045	-0.012	-0.198	-26.823	1
3474_3475	3474	3475	-68.383	-2.294	-0.062	-0.063	-0.469	-29.002	1
3475_3475	3475	3475	-18.443	-0.301	0.33	-0.015	-0.498	-27.949	1
3475_3476	3475	3476	-74.219	-4.171	0.843	0.008	8.714	16.547	1
3476_3476	3476	3476	-18.431	-0.744	0.285	-0.029	3.087	-24.662	1
3476_3477	3476	3477	-74.1	-5.95	0.666	-0.242	11.045	37.299	1
3477_3477	3477	3477	-18.482	-0.738	0.343	0.019	4.372	-22.065	1
3477_3148	3477	3148	-74.181	-7.069	-1.476	0.037	5.769	66.257	1
3480_3168	3480	3168	-20.292	0.768	-0.5	-0.02	6.545	-25.304	1
3480_3481	3480	3481	-77.877	7.372	1.064	-0.046	11.612	34.834	1
3481_3481	3481	3481	-20.251	0.75	-0.308	0.046	4.238	-28.451	1
3481_3482	3481	3482	-77.744	6.24	-0.724	0.215	8.458	13.068	1
3482_3482	3482	3482	-20.263	0.264	-0.335	0.011	3.174	-31.067	1
3482_3483	3482	3483	-77.87	4.373	-0.826	-0.005	-0.563	-34.694	1
3483_3483	3483	3483	-19.932	-0.307	0.046	0.009	-0.481	-34.126	1
3483_3484	3483	3484	-72.187	2.308	0.069	0.053	0.027	-51.326	1
3484_3484	3484	3484	-19.919	-0.78	0.043	0.017	-0.151	-31.909	1
3484_3485	3484	3485	-72.222	0.596	0.06	0.059	0.46	-55.62	1
3485_3485	3485	3485	-19.651	-1.386	0.011	0.009	0.132	-26.329	1
3485_3486	3485	3486	-68.749	-1.205	-0.02	0.059	0.24	-38.244	1
3486_3486	3486	3486	-19.488	-2.016	-0.169	-0.001	0.294	-6.305	1
3486_3487	3486	3487	-66.587	-3.138	-0.185	0.051	-1.258	-10.456	1
3487_3487	3487	3487	-19.443	-2.417	-0.166	0.025	-1.201	11.551	1
3487_3488	3487	3488	-66.508	-4.507	-0.174	0.075	-2.227	14.591	1
3488_3488	3488	3488	-19.552	1.766	0.19	-0.311	-2.234	24.984	1
3488_3489	3488	3489	-65.093	9.537	-0.602	0.009	-4.1	-14.237	1
3489_3489	3489	3489	-17.084	-1.444	-0.486	0.404	-1.391	23.698	1
3489_3490	3489	3490	-67.411	-9.885	0.342	0.082	-2.827	14.67	1
3490_3490	3490	3490	-17.099	2.206	0.209	-0.033	-2.662	27.654	1
3490_3491	3490	3491	-68.948	4.656	0.219	-0.08	-1.522	-11.2	1
3491_3491	3491	3491	-17.14	1.854	0.206	-0.005	-1.501	15.393	1
3491_3492	3491	3492	-69.029	3.237	0.208	-0.047	0.319	-39.861	1
3492_3492	3492	3492	-17.401	1.313	-0.016	-0.015	0.366	-1.026	1
3492_3493	3492	3493	-71.357	1.228	0.02	-0.057	0.515	-57.57	1
3493_3493	3493	3493	-17.759	0.781	-0.07	-0.021	0.202	-19.953	1
3493_3494	3493	3494	-75.046	-0.694	-0.07	-0.052	-0.038	-52.571	1
3494_3494	3494	3494	-17.772	0.375	-0.069	-0.017	-0.305	-25.582	1
3494_3495	3494	3495	-75.01	-2.405	-0.064	-0.055	-0.496	-35.257	1
3495_3495	3495	3495	-18.236	-0.132	0.515	0.012	-0.768	-27.937	1
3495_3496	3495	3496	-80.987	-4.614	0.823	-0.004	8.46	15.136	1
3496_3496	3496	3496	-18.227	-0.569	0.539	-0.14	4.861	-26.497	1
3496_3497	3496	3497	-80.851	-6.555	0.928	-0.187	11.691	38.007	1
3497_3497	3497	3497	-18.26	-0.565	0.098	0.028	7.153	-24.511	1
3497_3184	3497	3184	-80.92	-7.749	-1.275	0.047	7.205	69.733	1
3500_3204	3500	3204	-14.502	-0.03	-0.65	-0.04	9.952	-30.104	1
3500_3501	3500	3501	-76.156	6.583	0.374	-0.089	17.36	19.146	1
3501_3501	3501	3501	-14.474	-0.019	-0.546	0.161	7.084	-29.976	1
3501_3502	3501	3502	-76.057	5.353	-1.263	0.308	12.403	0.494	1
3502_3502	3502	3502	-14.47	-0.367	-0.524	-0.008	5.167	-29.911	1
3502_3503	3502	3503	-76.166	3.526	-1.149	0.011	-0.146	-38.02	1
3503_3503	3503	3503	-13.619	-0.748	0.036	0.037	-0.525	-25.903	1
3503_3504	3503	3504	-68.841	1.31	0.009	0.124	0.062	-47.458	1
3504_3504	3504	3504	-13.597	-1.064	0.054	0.017	-0.276	-20.512	1
3504_3505	3504	3505	-68.853	-0.291	0.097	0.062	0.746	-45.363	1
3505_3505	3505	3505	-12.793	-1.482	0.011	0.025	0.128	-12.911	1
3505_3506	3505	3506	-63.376	-2.261	-0.079	0.097	-0.202	-12.785	1
3506_3506	3506	3506	-13.111	-2.255	-0.721	-0.092	0.698	4.836	1
3506_3507	3506	3507	-58.931	-4.224	0.284	0.113	2.493	24.62	1
3507_3507	3507	3507	-13.062	-2.524	-0.719	0.029	-5.689	24.802	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3507_3508	3507	3508	-58.831	-5.435	0.294	0.065	4.127	54.826	1
3508_3508	3508	3508	-13.866	0.339	0.709	-1.293	-9.954	38.77	1
3508_3509	3508	3509	-55.341	6.108	1.843	-0.344	-2.12	25.683	1
3509_3509	3509	3509	-13.926	-0.611	0.179	1.245	-7.798	37.739	1
3509_3510	3509	3510	-55.474	-6.699	1.873	0.314	3.55	45.867	1
3510_3510	3510	3510	-14.434	2.354	0.523	-0.089	-6.963	39.417	1
3510_3511	3510	3511	-59.446	5.081	-0.212	-0.065	2.053	16.351	1
3511_3511	3511	3511	-14.48	2.057	0.52	-0.009	-4.057	26.334	1
3511_3512	3511	3512	-59.538	3.858	-0.221	-0.109	0.094	-17.811	1
3512_3512	3512	3512	-15.244	1.551	-0.029	-0.035	0.551	8.097	1
3512_3513	3512	3513	-64.29	1.867	0.047	-0.09	0.658	-44.725	1
3513_3513	3513	3513	-16.078	1.058	-0.058	-0.039	0.151	-14.21	1
3513_3514	3513	3514	-70.072	-0.123	-0.046	-0.083	0.249	-43.841	1
3514_3514	3514	3514	-16.099	0.685	-0.056	-0.035	-0.268	-21.844	1
3514_3515	3514	3515	-70.051	-1.751	-0.038	-0.093	-0.028	-31.219	1
3515_3515	3515	3515	-17.066	0.237	0.759	0.005	-0.672	-26.645	1
3515_3516	3515	3516	-77.731	-4.023	1.114	-0.013	12.104	12.719	1
3516_3516	3516	3516	-17.066	-0.172	0.766	-0.19	7.621	-29.236	1
3516_3517	3516	3517	-77.612	-5.802	1.151	-0.3	16.151	30.669	1
3517_3517	3517	3517	-17.087	-0.164	0.291	0.047	10.711	-28.617	1
3517_3220	3517	3220	-77.64	-7.024	-0.501	0.096	14.682	59.389	1
3520_3241	3520	3241	-17.838	0.055	-0.161	-0.315	13.607	-36.769	1
3520_3521	3520	3521	-78.403	7.119	1.079	-0.074	27.899	35.964	1
3521_3521	3521	3521	-17.647	0.041	-0.893	0.308	12.729	-36.841	1
3521_3522	3521	3522	-77.618	6.24	-2.054	0.43	20.648	14.34	1
3522_3522	3522	3522	-17.646	-0.378	-0.848	-0.013	9.596	-36.991	1
3522_3523	3522	3523	-77.749	4.398	-1.862	-0.023	0.327	-33.705	1
3523_3523	3523	3523	-17.131	-0.919	-0.035	0.094	0.333	-32.821	1
3523_3524	3523	3524	-72.515	1.833	-0.125	0.169	-0.222	-46.834	1
3524_3524	3524	3524	-17.104	-1.324	0.023	0.006	0.051	-26.192	1
3524_3525	3524	3525	-72.538	0.12	0.115	0.019	0.555	-47.696	1
3525_3525	3525	3525	-16.47	-1.865	-0.036	0.039	0.219	-16.752	1
3525_3526	3525	3526	-67.722	-2.181	-0.026	0.09	0.469	-16.176	1
3526_3526	3526	3526	-15.842	-2.402	-0.254	-0.015	-0.293	10.167	1
3526_3527	3526	3527	-63.617	-4.196	0.938	0.129	9.067	18.515	1
3527_3527	3527	3527	-15.788	-2.735	-0.212	0.115	-2.507	31.442	1
3527_3528	3527	3528	-63.512	-5.534	1.099	-0.017	15.193	49.229	1
3528_3528	3528	3528	-15.748	0.55	-0.077	-0.573	-3.824	46.733	1
3528_3529	3528	3529	-62.855	6.826	1.563	-1.902	-16.204	34.273	1
3529_3529	3529	3529	-15.712	-0.299	-0.297	0.607	-4.066	44.903	1
3529_3530	3529	3530	-63.032	-7.234	0.733	1.723	-13.952	55.393	1
3530_3530	3530	3530	-15.092	2.99	0.314	-0.045	-4.826	45.895	1
3530_3531	3530	3531	-67.767	6.076	0.789	-0.244	-9.124	15.729	1
3531_3531	3531	3531	-15.152	2.669	0.355	0.092	-3.113	29.29	1
3531_3532	3531	3532	-67.878	4.637	0.962	-0.011	-0.618	-25.363	1
3532_3532	3532	3532	-15.299	1.613	0.005	-0.043	-0.181	8.096	1
3532_3533	3532	3533	-72.506	2.142	-0.049	-0.08	-1.114	-56.254	1
3533_3533	3533	3533	-16.235	1.136	-0.002	-0.031	-0.037	-15.078	1
3533_3534	3533	3534	-77.871	-0.364	0.004	-0.069	-0.824	-53.614	1
3534_3534	3534	3534	-16.258	0.751	0.009	-0.045	-0.048	-23.268	1
3534_3535	3534	3535	-77.845	-1.891	0.048	-0.085	-0.537	-44.156	1
3535_3535	3535	3535	-17.574	0.385	0.79	0.052	0.117	-28.652	1
3535_3536	3535	3536	-84.165	-4.499	1.073	-0.011	11.448	4.973	1
3536_3536	3536	3536	-17.575	-0.048	0.86	-0.293	8.768	-32.84	1
3536_3537	3536	3537	-84.024	-6.566	1.4	-0.272	16.329	27.922	1
3537_3537	3537	3537	-17.446	-1.201	0.256	0.179	12.003	-32.085	1
3537_3255	3537	3255	-83.293	-13.376	1.088	0.361	22.959	101.601	1
3540_3279	3540	3279	-19.646	1.106	-0.617	-0.415	9.589	-33.968	1
3540_3541	3540	3541	-80.323	10.85	-1.215	-1.288	4.34	28.132	1
3541_3541	3541	3541	-19.718	0.123	-0.454	0.208	6.463	-39.053	1
3541_3542	3541	3542	-80.997	6.165	-0.5	0.129	2.976	7.394	1
3542_3542	3542	3542	-19.716	-0.342	-0.424	0.032	4.866	-39.483	1
3542_3543	3542	3543	-81.12	4.256	-0.377	0.071	-1.142	-39.105	1
3543_3543	3543	3543	-19.166	-1.009	-0.021	0.077	0.313	-36.086	1
3543_3544	3543	3544	-77.007	2.034	0.014	0.111	-0.704	-45.653	1
3544_3544	3544	3544	-19.137	-1.454	0.002	0.04	0.15	-28.817	1
3544_3545	3544	3545	-77.033	0.246	0.104	0.074	0.031	-47.424	1
3545_3545	3545	3545	-18.274	-2.07	-0.017	0.037	0.218	-18.299	1
3545_3546	3545	3546	-72.661	-2.029	0.077	0.074	1.518	-16.329	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3546_3546	3546	3546	-17.545	-2.747	0.305	0.005	0.021	11.662	1
3546_3547	3546	3547	-69.205	-4.754	1.803	0.159	17.851	25.924	1
3547_3547	3547	3547	-17.481	-3.124	0.35	0.032	2.763	35.996	1
3547_3548	3547	3548	-69.082	-6.242	1.974	-0.164	28.832	60.541	1
3548_3548	3548	3548	-17.003	0.594	-0.505	0.29	4.823	53.115	1
3548_3549	3548	3549	-64.285	7.968	-2.021	3.004	23.465	40.093	1
3549_3549	3549	3549	-16.906	-0.102	-0.287	-0.359	3.32	51.626	1
3549_3550	3549	3550	-63.879	-5.838	-0.341	-3.15	22.645	67.871	1
3550_3550	3550	3550	-15.803	3.476	-0.165	-0.007	2.348	51.86	1
3550_3551	3550	3551	-63.584	4.654	1.13	-0.259	-13.4	-12.38	1
3551_3551	3551	3551	-15.879	3.116	-0.108	0.067	1.368	32.183	1
3551_3552	3551	3552	-63.67	3.488	1.348	0.006	-1.992	-37.418	1
3552_3552	3552	3552	-15.526	2.445	-0.139	0.071	0.443	5.859	1
3552_3553	3552	3553	-66.462	0.272	0.118	-0.089	-0.174	-43.285	1
3553_3553	3553	3553	-15.224	1.826	-0.113	0.111	-1.462	-28.483	1
3553_3554	3553	3554	-69.773	-2.199	0.121	-0.051	0.879	-29.931	1
3554_3554	3554	3554	-15.266	1.433	-0.072	0.063	-2.218	-41.338	1
3554_3555	3554	3555	-69.693	-4	0.297	-0.15	2.995	-1.759	1
3555_3555	3555	3555	-14.802	0.809	-0.385	0.032	-2.7	-51.005	1
3555_3556	3555	3556	-73.219	-7.058	0.484	-0.062	8.45	73.458	1
3556_3556	3556	3556	-14.818	0.399	-0.392	0.247	-6.806	-59.617	1
3556_3557	3556	3557	-72.996	-9.081	0.452	-0.329	10.001	104.558	1
3557_3557	3557	3557	-15.022	-0.199	0.186	0.096	-8.321	-60.289	1
3557_3293	3557	3293	-72.148	-13.26	-0.093	-0.29	9.738	190.366	1
43000_3000	43000	3000	-0.474	-3.299	0.455	-0.924	0	-3.674	1
43000_3001	43000	3001	-1.298	-21.323	0.721	-1.013	10.75	308.282	1
43001_3001	43001	3001	-0.473	-3.299	0.455	-0.871	6.781	45.538	1
43001_3002	43001	3002	-1.298	-21.323	0.722	-0.65	18.259	529.97	1
43002_3002	43002	3002	-0.482	-3.261	-0.653	-0.904	11.513	79.838	1
43002_3003	43002	3003	-1.31	-25.822	-0.782	-1.406	8.748	843.992	1
43003_3003	43003	3003	-0.483	-3.261	-0.652	-0.697	3.575	119.493	1
43003_3004	43003	3004	-1.311	-25.822	-0.78	0.058	-0.74	1158.192	1
43004_3004	43004	3004	-0.481	-3.281	-0.344	-0.821	-4.358	159.175	1
43004_3005	43004	3005	-1.307	-34.901	-0.236	-1.264	-3.615	1582.734	1
43005_3005	43005	3005	-0.481	-3.281	-0.343	-0.638	-8.538	199.088	1
43005_3006	43005	3006	-1.307	1.899	-0.235	0.188	-6.477	1559.614	1
43006_3006	43006	3006	-0.48	-3.256	-0.219	-0.85	-12.715	239.032	1
43006_3007	43006	3007	-1.307	-9.872	-0.163	-1.896	-8.463	1679.67	1
43007_3007	43007	3007	-0.481	-3.256	-0.218	-0.368	-15.373	278.637	1
43007_3008	43007	3008	-1.307	9.804	-0.161	1.013	-10.422	1560.351	1
43008_3008	43008	3008	-0.481	-3.248	-0.184	-0.587	-18.023	318.272	1
43008_3009	43008	3009	-1.307	19.252	-0.148	-0.799	-12.22	1326.195	1
43009_3009	43009	3009	-0.481	-3.248	-0.183	-0.295	-20.258	357.795	1
43009_3010	43009	3010	-1.307	24.917	-0.147	0.283	-14.005	1023.032	1
43010_3010	43010	3010	-0.481	-3.281	-0.193	-0.603	-22.488	397.32	1
43010_3011	43010	3011	-1.308	17.015	-0.176	-0.786	-16.145	816.066	1
43011_3011	43011	3011	-0.481	-3.281	-0.192	0.11	-24.838	437.234	1
43011_3012	43011	3012	-1.308	17.015	-0.174	0.546	-18.258	609.114	1
43012_3012	43012	3012	-0.482	-3.468	-0.24	-0.201	-27.178	477.147	1
43012_3013	43012	3013	-1.308	12.329	-0.198	-0.067	-20.663	459.034	1
43013_3013	43013	3013	-0.482	-3.468	-0.239	0.223	-30.097	519.353	1
43013_3014	43013	3014	-1.309	12.329	-0.197	0.308	-23.055	308.989	1
43014_3014	43014	3014	-0.482	-3.894	-0.155	-0.231	-33.012	561.564	1
43014_3015	43014	3015	-1.309	9.952	-0.261	0.106	-27.356	145.227	1
43015_3015	43015	3015	-0.448	-3.898	-0.154	1.049	-35.556	625.366	1
43015_3016	43015	3016	-1.558	43.375	-0.306	1.824	-43.141	944.376	1
43016_3016	43016	3016	-0.358	-4.899	-0.065	-0.449	-36.86	657.478	1
43016_3017	43016	3017	-2.174	39.619	-0.023	-0.379	-43.367	703.194	1
43017_3017	43017	3017	-0.238	-4.907	-0.064	1.314	-37.581	715.125	1
43017_3018	43017	3018	-3.441	46.384	0.037	1.642	-41.251	405.593	1
43018_3018	43018	3018	-0.192	1.15	0.139	0.13	17.878	-294.199	1
43018_3019	43018	3019	-4.739	49.122	-0.232	0.193	-41.285	134.4	1
43019_3019	43019	3019	-0.222	1.145	0.139	-0.872	19.571	-308.621	1
43019_3020	43019	3020	-6.697	56.628	-0.199	1.656	-40.248	-239.474	1
43020_3020	43020	3020	-60.636	-2.101	-1.055	-0.952	69.399	-47.492	1
43020_3021	43020	3021	-12.027	1.034	0.458	0.189	-28.577	139.392	1
43021_3021	43021	3021	-60.638	-2.101	-0.939	-0.778	59.386	-42.196	1
43021_3022	43021	3022	-12.026	1.034	0.481	0.339	-24.845	128.471	1
43022_3022	43022	3022	-60.638	-2.101	-0.939	-0.778	52.107	-25.911	1

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43022_3023	43022	3023	-12.026	1.034	0.481	0.339	-21.113	120.455	1
43023_3023	43023	3023	-60.64	-2.553	-1.118	-1.08	44.829	-9.622	1
43023_3024	43023	3024	-12.026	0.963	0.306	0.35	-18.663	112.749	1
43024_3024	43024	3024	-60.64	-2.553	-1.118	-1.08	35.884	10.804	1
43024_3025	43024	3025	-12.026	0.963	0.306	0.35	-16.213	105.043	1
43025_3025	43025	3025	-60.641	-2.553	-1.05	-1.045	26.939	31.231	1
43025_3026	43025	3026	-12.026	0.963	0.32	0.467	-13.66	97.347	1
43026_3026	43026	3026	-60.642	-3.14	-1.3	-1.266	18.547	51.626	1
43026_3027	43026	3027	-12.026	0.952	0.293	0.29	-11.902	91.636	1
43027_3027	43027	3027	-60.644	-3.14	-1.199	-1.15	10.747	70.473	1
43027_3028	43027	3028	-12.025	0.952	0.313	0.442	-10.026	85.925	1
43028_3028	43028	3028	-60.644	-3.14	-1.199	-1.15	3.552	89.315	1
43028_3029	43028	3029	-12.025	0.952	0.313	0.442	-8.149	80.214	1
43029_3029	43029	3029	-60.646	-3.14	-1.099	-0.97	-3.643	108.158	1
43029_3030	43029	3030	-12.025	0.952	0.333	0.575	-6.153	74.503	1
43030_3030	43030	3030	-60.646	-3.519	-1.192	-1.269	-10.233	126.996	1
43030_3031	43030	3031	-12.025	0.943	0.291	0.419	-3.826	66.953	1
43031_3031	43031	3031	-60.648	-3.519	-1.124	-1.095	-19.778	155.178	1
43031_3032	43031	3032	-12.025	0.943	0.304	0.495	-1.394	59.412	1
43032_3032	43032	3032	-60.649	-3.519	-1.048	-0.867	-28.766	183.322	1
43032_3033	43032	3033	-12.025	0.943	0.319	0.568	1.157	51.872	1
43033_3033	43033	3033	-60.649	-3.794	-1.131	-1.178	-37.149	211.463	1
43033_3034	43033	3034	-12.021	0.935	0.645	0.353	6.153	44.629	1
43034_3034	43034	3034	-60.652	-3.794	-0.968	-0.529	-45.911	240.857	1
43034_3035	43034	3035	-12.019	0.935	0.677	0.473	11.406	37.376	1
43035_3035	43035	3035	-60.652	-3.794	-1.003	-0.939	-53.416	285.7	1
43035_3036	43035	3036	-12.019	0.935	0.67	0.622	17.777	31.544	1
43036_3036	43036	3036	-12.137	7.604	-0.016	-1.666	-32.04	910.147	1
43036_3037	43036	3037	-23.837	-44.766	0.154	-1.353	-32.667	-74.288	1
43037_3037	43037	3037	-12.333	7.282	-0.004	-0.111	-32.323	814.651	1
43037_3038	43037	3038	-22.703	-42.841	0.164	-0.609	-31.299	370.777	1
43038_3038	43038	3038	-12.549	6.244	-0.006	-1.325	-32.27	723.392	1
43038_3039	43038	3039	-21.867	-44.648	-0.202	-1.697	-35.047	813.798	1
43039_3039	43039	3039	-12.698	5.934	0.011	0.301	-32.388	639.31	1
43039_3040	43039	3040	-20.479	-32.627	-0.152	0.08	-37.638	1005.824	1
43040_3040	43040	3040	-12.799	4.876	0.226	-0.781	-32.232	569.567	1
43040_3041	43040	3041	-19.742	-17.126	0.271	-1.244	-34.92	1051.873	1
43041_3041	43041	3041	-12.841	4.763	0.239	-0.039	-30.376	525.666	1
43041_3042	43041	3042	-19.628	-4.901	0.281	0.018	-30.961	1117.819	1
43042_3042	43042	3042	-12.843	4.195	0.076	-0.158	-26.552	449.416	1
43042_3043	43042	3043	-19.629	3.925	0.123	-0.48	-29.491	1070.93	1
43043_3043	43043	3043	-12.843	4.195	0.086	0.175	-25.646	399.266	1
43043_3044	43043	3044	-19.629	21.585	0.139	0.413	-27.827	812.931	1
43044_3044	43044	3044	-12.843	3.985	0.093	-0.023	-24.613	349.126	1
43044_3045	43044	3045	-19.63	13.882	0.049	-0.389	-27.245	647.066	1
43045_3045	43045	3045	-12.842	3.985	0.115	0.501	-23.507	301.499	1
43045_3046	43045	3046	-19.63	13.882	0.083	0.734	-26.255	481.035	1
43046_3046	43046	3046	-12.842	3.914	0.115	0.422	-22.134	253.843	1
43046_3047	43046	3047	-19.63	9.45	0.066	0.316	-25.472	368.135	1
43047_3047	43047	3047	-12.842	3.914	0.116	0.436	-20.757	207.082	1
43047_3048	43047	3048	-19.63	9.45	0.067	0.341	-24.672	255.132	1
43048_3048	43048	3048	-12.842	3.971	0.123	0.56	-19.368	160.282	1
43048_3049	43048	3049	-19.63	7.383	0.054	0.486	-24.021	166.87	1
43049_3049	43049	3049	-12.842	3.971	0.122	0.553	-17.898	112.803	1
43049_3050	43049	3050	-19.63	7.383	0.053	0.475	-23.385	78.667	1
43050_3050	43050	3050	-12.842	4.103	0.152	0.565	-16.439	65.363	1
43050_3051	43050	3051	-19.631	6.823	0.063	0.561	-22.376	-30.478	1
43051_3051	43051	3051	-12.876	3.996	0.159	0.698	-14	0.99	1
43051_3052	43051	3052	-19.687	6.658	0.073	0.741	-21.764	-83.494	1
43052_3052	43052	3052	-12.944	4.023	0.289	0.486	-12.687	-31.99	1
43052_3053	43052	3053	-19.797	6.569	0.242	0.52	-18.916	-160.71	1
43053_3053	43053	3053	-13.042	3.693	0.298	0.763	-9.275	-75.116	1
43053_3054	43053	3054	-19.957	6.063	0.256	0.972	-15.504	-234.738	1
43054_3054	43054	3054	-13.145	3.571	-0.055	0.727	-5.318	-124.084	1
43054_3055	43054	3055	-20.122	5.837	-0.008	0.949	-15.609	-307.912	1
43055_3055	43055	3055	-13.233	3.228	-0.035	0.615	-6.018	-168.849	1
43055_3056	43055	3056	-20.267	5.312	0.023	0.866	-15.339	-374.65	1
43056_3056	43056	3056	-52.228	-1.598	-0.927	-1.055	56.003	10.908	1
43056_3057	43056	3057	-11.383	0.862	0.23	0.215	-15.927	120.545	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43057_3057	43057	3057	-52.229	-1.598	-0.86	-0.975	47.196	23.289	1
43057_3058	43057	3058	-11.382	0.862	0.244	0.357	-14.035	113.257	1
43058_3058	43058	3058	-52.229	-1.598	-0.86	-0.975	40.537	35.673	1
43058_3059	43058	3059	-11.382	0.862	0.244	0.357	-12.143	106.582	1
43059_3059	43059	3059	-52.231	-2.112	-0.977	-1.24	33.879	48.059	1
43059_3060	43059	3060	-11.383	0.819	0.093	0.313	-11.401	100.028	1
43060_3060	43060	3060	-52.232	-2.112	-0.916	-1.165	26.054	64.973	1
43060_3061	43060	3061	-11.383	0.819	0.106	0.429	-10.554	93.481	1
43061_3061	43061	3061	-52.232	-2.112	-0.916	-1.165	18.726	81.863	1
43061_3062	43061	3062	-11.383	0.819	0.106	0.429	-9.707	86.935	1
43062_3062	43062	3062	-52.235	-2.822	-1.051	-1.306	11.399	98.754	1
43062_3063	43062	3063	-11.383	0.814	0.118	0.411	-9	82.049	1
43063_3063	43063	3063	-52.235	-2.822	-1.051	-1.306	5.09	115.694	1
43063_3064	43063	3064	-11.383	0.814	0.118	0.411	-8.294	77.162	1
43064_3064	43064	3064	-52.235	-2.822	-1.051	-1.306	-1.219	132.635	1
43064_3065	43064	3065	-11.383	0.814	0.118	0.411	-7.587	72.275	1
43065_3065	43065	3065	-52.237	-2.822	-0.97	-1.073	-7.528	149.577	1
43065_3066	43065	3066	-11.382	0.814	0.135	0.524	-6.775	67.396	1
43066_3066	43066	3066	-52.237	-3.334	-0.959	-1.387	-13.337	166.487	1
43066_3067	43066	3067	-11.383	0.814	0.093	0.447	-6.033	60.884	1
43067_3067	43067	3067	-52.237	-3.334	-0.959	-1.387	-21.014	193.18	1
43067_3068	43067	3068	-11.383	0.814	0.093	0.447	-5.291	54.37	1
43068_3068	43068	3068	-52.239	-3.334	-0.833	-0.855	-28.69	219.875	1
43068_3069	43068	3069	-11.383	0.814	0.12	0.579	-4.33	47.865	1
43069_3069	43069	3069	-52.239	-3.617	-0.992	-1.345	-35.345	246.532	1
43069_3070	43069	3070	-11.379	0.822	0.385	0.434	-1.343	41.494	1
43070_3070	43070	3070	-52.241	-3.617	-0.928	-1.012	-43.034	274.576	1
43070_3071	43070	3071	-11.379	0.822	0.399	0.485	1.747	35.13	1
43071_3071	43071	3071	-52.242	-3.617	-0.86	-0.681	-50.221	306.523	1
43071_3072	43071	3072	-11.378	0.822	0.414	0.562	5.681	28.176	1
43072_3072	43072	3072	-7.064	6.375	0.137	-1.653	-32.536	866.344	1
43072_3073	43072	3073	-19.412	-46.479	0.248	-1.442	-31.317	53.433	1
43073_3073	43073	3073	-7.228	6.189	0.143	-0.224	-30.896	786.245	1
43073_3074	43073	3074	-18.195	-46.969	0.26	-0.584	-28.091	642.154	1
43074_3074	43074	3074	-7.409	5.489	0.026	-1.435	-29.004	708.721	1
43074_3075	43074	3075	-17.09	-44.11	-0.115	-1.916	-31.491	869.918	1
43075_3075	43075	3075	-7.546	5.298	0.039	0.366	-28.712	633.429	1
43075_3076	43075	3076	-15.558	-31.961	-0.08	0.206	-33.105	1059.329	1
43076_3076	43076	3076	-7.637	4.281	0.073	-1.14	-28.227	571.165	1
43076_3077	43076	3077	-15.002	-16.96	0.095	-1.991	-31.8	1096.066	1
43077_3077	43077	3077	-7.673	4.216	0.088	0.198	-27.636	538.634	1
43077_3078	43077	3078	-14.874	-1.796	0.135	0.551	-29.349	1107.978	1
43078_3078	43078	3078	-7.672	3.924	0.138	-0.032	-26.356	477.31	1
43078_3079	43078	3079	-14.873	16.95	0.153	-0.026	-27.635	917.631	1
43079_3079	43079	3079	-7.672	3.924	0.138	-0.032	-24.811	433.23	1
43079_3080	43079	3080	-14.873	16.95	0.153	-0.026	-25.921	727.233	1
43080_3080	43080	3080	-7.672	3.7	0.108	0.028	-23.267	389.153	1
43080_3081	43080	3081	-14.874	10.953	0.074	-0.121	-25.094	604.053	1
43081_3081	43081	3081	-7.672	3.7	0.114	0.323	-22.056	347.555	1
43081_3082	43081	3082	-14.874	10.953	0.086	0.392	-24.127	481.03	1
43082_3082	43082	3082	-7.672	3.609	0.121	0.242	-20.773	305.998	1
43082_3083	43082	3083	-14.874	7.408	0.077	0.113	-23.196	391.584	1
43083_3083	43083	3083	-7.672	3.609	0.127	0.468	-19.314	262.429	1
43083_3084	43083	3084	-14.874	7.408	0.09	0.452	-22.11	302.084	1
43084_3084	43084	3084	-7.672	3.611	0.134	0.405	-17.774	218.828	1
43084_3085	43084	3085	-14.874	5.793	0.102	0.321	-20.965	237.038	1
43085_3085	43085	3085	-7.672	3.611	0.141	0.57	-16.27	178.274	1
43085_3086	43085	3086	-14.874	5.793	0.116	0.541	-19.663	171.933	1
43086_3086	43086	3086	-7.672	3.67	0.12	0.537	-14.686	137.688	1
43086_3087	43086	3087	-14.874	5.295	0.072	0.534	-18.849	112.429	1
43087_3087	43087	3087	-7.672	3.67	0.127	0.619	-13.338	96.446	1
43087_3088	43087	3088	-14.874	5.295	0.085	0.631	-17.893	52.976	1
43088_3088	43088	3088	-7.672	3.75	0.11	0.583	-11.917	55.243	1
43088_3089	43088	3089	-14.874	5.362	0.06	0.649	-17.052	-22.044	1
43089_3089	43089	3089	-7.704	3.684	0.117	0.653	-10.37	1.319	1
43089_3090	43089	3090	-14.92	5.234	0.072	0.764	-16.448	-68.08	1
43090_3090	43090	3090	-7.768	3.721	0.307	0.526	-9.402	-29.098	1
43090_3091	43090	3091	-15.014	5.373	0.297	0.617	-12.949	-131.216	1
43091_3091	43091	3091	-7.858	3.525	0.314	0.656	-5.782	-71.539	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43091_3092	43091	3092	-15.147	5.361	0.312	0.91	-10.009	-206.097	1
43092_3092	43092	3092	-7.956	3.494	-0.038	0.629	-1.604	-118.299	1
43092_3093	43092	3093	-15.754	46.897	-0.324	0.503	-31.689	44.653	1
43093_3093	43093	3093	-8.045	3.285	-0.032	0.558	-2.079	-162.117	1
43093_3094	43093	3094	-16.974	46.47	-0.315	1.365	-35.619	-539.023	1
43094_3094	43094	3094	-51.776	-1.848	-0.851	-1.011	50.657	-9.478	1
43094_3095	43094	3095	-12.365	-0.672	-0.336	-0.503	2.205	41.397	1
43095_3095	43095	3095	-51.778	-1.848	-0.742	-0.964	42.572	6.013	1
43095_3096	43095	3096	-12.365	-0.672	-0.31	-0.403	-0.198	46.108	1
43096_3096	43096	3096	-51.778	-1.848	-0.74	-0.964	36.828	20.322	1
43096_3097	43096	3097	-12.365	-0.672	-0.31	-0.402	-2.602	51.319	1
43097_3097	43097	3097	-51.779	-2.337	-0.918	-1.179	31.091	34.651	1
43097_3098	43097	3098	-12.365	-0.672	-0.115	-0.466	-3.526	56.698	1
43098_3098	43098	3098	-51.78	-2.337	-0.855	-1.114	23.743	53.357	1
43098_3099	43098	3099	-12.365	-0.672	-0.1	-0.397	-4.329	62.069	1
43099_3099	43099	3099	-51.781	-2.337	-0.853	-1.112	16.907	72.039	1
43099_3100	43099	3100	-12.365	-0.672	-0.1	-0.395	-5.129	67.447	1
43100_3100	43100	3100	-51.782	-3.041	-0.805	-0.729	10.077	90.741	1
43100_3101	43100	3101	-12.365	-0.656	-0.098	-0.098	-5.72	71.385	1
43101_3101	43101	3101	-51.782	-3.041	-0.805	-0.729	5.245	108.995	1
43101_3102	43101	3102	-12.365	-0.656	-0.098	-0.098	-6.311	75.324	1
43102_3102	43102	3102	-51.773	-3.041	-1.239	-1.795	0.414	127.238	1
43102_3103	43102	3103	-12.364	-0.656	-0.202	-0.729	-7.522	79.254	1
43103_3103	43103	3103	-51.775	-3.041	-1.15	-1.545	-7.012	145.468	1
43103_3104	43103	3104	-12.364	-0.656	-0.181	-0.593	-8.607	83.195	1
43104_3104	43104	3104	-51.775	-3.571	-0.981	-1.323	-13.915	163.725	1
43104_3105	43104	3105	-12.364	-0.644	-0.149	-0.409	-9.803	88.347	1
43105_3105	43105	3105	-51.776	-3.571	-0.918	-1.09	-21.767	192.311	1
43105_3106	43105	3106	-12.364	-0.644	-0.134	-0.302	-10.877	93.492	1
43106_3106	43106	3106	-51.777	-3.571	-0.916	-1.081	-29.109	220.859	1
43106_3107	43106	3107	-12.364	-0.644	-0.134	-0.298	-11.95	98.644	1
43107_3107	43107	3107	-51.779	-3.849	-0.919	-1.035	-36.443	249.446	1
43107_3108	43107	3108	-12.365	-0.678	-0.223	-0.295	-13.681	103.902	1
43108_3108	43108	3108	-51.779	-3.849	-0.921	-1.045	-43.571	279.288	1
43108_3109	43108	3109	-12.365	-0.678	-0.224	-0.299	-15.414	109.151	1
43109_3109	43109	3109	-51.78	-3.849	-0.867	-0.765	-50.704	311.853	1
43109_3110	43109	3110	-12.365	-0.678	-0.211	-0.195	-17.417	116.255	1
43110_3110	43110	3110	-7.901	-2.198	0.044	-0.336	-4.647	-149.272	1
43110_3111	43110	3111	-19.694	-45.283	0.347	-1.414	-36.162	61.61	1
43111_3111	43111	3111	-7.841	-2.403	0.057	-0.425	-4.083	-121.673	1
43111_3112	43111	3112	-18.541	-41.025	0.368	-0.507	-33.034	416.477	1
43112_3112	43112	3112	-7.773	-2.46	-0.171	-0.42	-3.378	-91.536	1
43112_3113	43112	3113	-17.71	-43.053	-0.079	-1.632	-35.109	845.739	1
43113_3113	43113	3113	-7.709	-2.654	-0.161	-0.324	-5.655	-60.168	1
43113_3114	43113	3114	-16.367	-4.77	-0.127	-0.464	-17.41	-72.468	1
43114_3114	43114	3114	-7.662	-2.616	-0.038	-0.422	-7.553	-28.986	1
43114_3115	43114	3115	-16.281	-4.644	0.042	-0.622	-17.069	-34.143	1
43115_3115	43115	3115	-7.671	4.519	0.252	-0.176	-28.856	525.061	1
43115_3116	43115	3116	-16.241	-4.784	0.04	-0.469	-16.491	35.942	1
43116_3116	43116	3116	-7.67	4.129	0.148	-0.331	-25.196	459.513	1
43116_3117	43116	3117	-16.241	-4.668	0.007	-0.47	-16.406	88.418	1
43117_3117	43117	3117	-7.67	4.129	0.162	0.398	-23.532	413.092	1
43117_3118	43117	3118	-16.241	-4.668	0.036	-0.314	-16.001	140.848	1
43118_3118	43118	3118	-7.67	3.982	0.164	-0.044	-21.717	366.715	1
43118_3119	43118	3119	-16.241	-5.218	0.006	-0.444	-15.937	199.465	1
43119_3119	43119	3119	-7.67	3.982	0.178	0.53	-19.869	321.988	1
43119_3120	43119	3120	-16.241	-5.218	0.035	-0.089	-15.549	258.072	1
43120_3120	43120	3120	-7.67	3.909	0.178	0.326	-17.869	277.262	1
43120_3121	43120	3121	-16.24	-7.073	0.012	-0.281	-15.402	343.435	1
43121_3121	43121	3121	-7.67	3.909	0.184	0.517	-15.719	230.069	1
43121_3122	43121	3122	-16.24	-7.073	0.026	0.003	-15.092	428.817	1
43122_3122	43122	3122	-7.669	3.916	0.18	0.474	-13.492	182.877	1
43122_3123	43122	3123	-16.24	-11.223	0.021	-0.286	-14.855	554.863	1
43123_3123	43123	3123	-7.669	3.916	0.187	0.599	-11.471	138.893	1
43123_3124	43123	3124	-16.24	-11.223	0.036	0.213	-14.454	681.02	1
43124_3124	43124	3124	-7.669	3.972	0.164	0.544	-9.37	94.87	1
43124_3125	43124	3125	-16.24	-18.384	-0.071	-0.68	-15.25	887.487	1
43125_3125	43125	3125	-7.669	3.972	0.178	0.634	-7.528	50.261	1
43125_3126	43125	3126	-16.24	-10.037	-0.042	0.901	-15.721	1000.205	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43126_3126	43126	3126	-7.669	4.063	0.204	0.607	-5.533	5.655	1
43126_3127	43126	3127	-16.242	7.555	-0.041	-0.141	-16.283	895.78	1
43127_3127	43127	3127	-7.702	3.998	0.213	0.515	-2.707	-52.456	1
43127_3128	43127	3128	-16.391	17.571	-0.021	1.06	-16.452	746.569	1
43128_3128	43128	3128	-7.771	4.098	0.258	0.64	-0.936	-85.437	1
43128_3129	43128	3129	-16.99	32.074	-0.053	-0.096	-17.269	470.156	1
43129_3129	43129	3129	-7.873	3.898	0.274	0.395	2.106	-131.138	1
43129_3130	43129	3130	-18.483	44.26	-0.019	1.465	-17.281	71.325	1
43130_3130	43130	3130	-7.982	3.956	0.215	0.708	6.061	-187.159	1
43130_3131	43130	3131	-19.466	45.316	0.494	0.591	-10.839	-224.813	1
43131_3131	43131	3131	-8.108	3.688	0.22	0.255	8.754	-236.747	1
43131_3132	43131	3132	-21.023	46.633	0.512	0.807	-4.577	-703.907	1
43132_3132	43132	3132	-57.582	0.335	0.696	-0.162	11.41	103.663	1
43132_3133	43132	3133	-13.963	-0.123	0.12	-0.041	-6.041	76.301	1
43133_3133	43133	3133	-57.582	0.335	0.622	-0.425	18.582	87.795	1
43133_3134	43133	3134	-13.963	-0.123	0.102	-0.161	-5.251	74.242	1
43134_3134	43134	3134	-57.586	0.335	-0.044	-1.41	23.403	85.188	1
43134_3135	43134	3135	-13.963	-0.123	-0.06	-1.02	-5.715	75.191	1
43135_3135	43135	3135	-57.57	-0.936	-0.795	-0.845	23.062	82.594	1
43135_3136	43135	3136	-13.963	-0.095	-0.131	-0.359	-6.764	75.96	1
43136_3136	43136	3136	-57.57	-0.936	-0.795	-0.845	16.702	90.086	1
43136_3137	43136	3137	-13.963	-0.095	-0.131	-0.359	-7.813	76.718	1
43137_3137	43137	3137	-57.571	-0.936	-0.724	-0.725	10.342	97.58	1
43137_3138	43137	3138	-13.963	-0.095	-0.114	-0.265	-8.723	77.476	1
43138_3138	43138	3138	-57.572	-1.581	-0.649	-0.859	4.556	105.056	1
43138_3139	43138	3139	-13.964	-0.082	-0.036	-0.3	-8.938	77.969	1
43139_3139	43139	3139	-57.572	-1.581	-0.649	-0.859	0.663	114.545	1
43139_3140	43139	3140	-13.964	-0.082	-0.036	-0.3	-9.153	78.462	1
43140_3140	43140	3140	-57.573	-1.581	-0.553	-0.652	-3.229	124.035	1
43140_3141	43140	3141	-13.964	-0.082	-0.013	-0.169	-9.229	78.955	1
43141_3141	43141	3141	-57.572	-1.581	-0.649	-0.875	-6.546	133.523	1
43141_3142	43141	3142	-13.964	-0.082	-0.036	-0.301	-9.444	79.447	1
43142_3142	43142	3142	-57.572	-2.036	-0.606	-0.802	-10.438	143.008	1
43142_3143	43142	3143	-13.964	-0.097	-0.05	-0.253	-9.84	80.227	1
43143_3143	43143	3143	-57.573	-2.036	-0.534	-0.603	-15.289	159.298	1
43143_3144	43143	3144	-13.964	-0.097	-0.032	-0.152	-10.097	81.007	1
43144_3144	43144	3144	-57.572	-2.036	-0.606	-0.822	-19.564	175.586	1
43144_3145	43144	3145	-13.964	-0.097	-0.05	-0.254	-10.494	81.786	1
43145_3145	43145	3145	-57.574	-2.196	-0.485	-0.461	-24.414	191.879	1
43145_3146	43145	3146	-13.963	-0.12	-0.114	-0.118	-11.374	82.718	1
43146_3146	43146	3146	-57.573	-2.196	-0.559	-0.73	-28.175	208.901	1
43146_3147	43146	3147	-13.963	-0.12	-0.132	-0.225	-12.394	83.649	1
43147_3147	43147	3147	-57.574	-2.196	-0.503	-0.602	-32.511	236.779	1
43147_3148	43147	3148	-13.963	-0.12	-0.118	-0.165	-13.513	87.423	1
43148_3148	43148	3148	-16.637	-2.654	-0.012	-0.31	0.5	-233.495	1
43148_3149	43148	3149	-32.944	-32.964	0.189	-0.797	-21.787	-401.791	1
43149_3149	43149	3149	-16.561	-3.089	-0.012	-0.322	0.344	-200.171	1
43149_3150	43149	3150	-32.072	-32.539	0.178	-0.231	-19.652	-21.651	1
43150_3150	43150	3150	-16.678	6.248	0.05	-0.473	-22.307	629.398	1
43150_3151	43150	3151	-31.46	-34.916	-0.063	-0.634	-20.78	368.813	1
43151_3151	43151	3151	-16.831	5.822	0.044	-0.112	-21.646	541.005	1
43151_3152	43151	3152	-30.562	-35.705	-0.073	-0.2	-21.645	778.914	1
43152_3152	43152	3152	-16.929	4.899	0.15	-0.11	-21.119	472.565	1
43152_3153	43152	3153	-30.074	-39.201	0.105	-0.205	-20.326	871.185	1
43153_3153	43153	3153	-16.97	4.757	0.146	-0.069	-19.881	430.177	1
43153_3154	43153	3154	-29.744	-2.653	0.098	-0.267	-18.983	904.202	1
43154_3154	43154	3154	-16.969	4.433	0.11	-0.03	-17.878	364.812	1
43154_3155	43154	3155	-29.744	-13.363	0.12	-0.508	-17.664	1051.214	1
43155_3155	43155	3155	-16.969	4.433	0.125	0.258	-16.672	316.045	1
43155_3156	43155	3156	-29.744	5.853	0.147	0.448	-16.047	986.823	1
43156_3156	43156	3156	-16.969	4.321	0.11	0.265	-15.296	267.281	1
43156_3157	43156	3157	-29.743	14.869	0.069	0.154	-15.36	837.964	1
43157_3157	43157	3157	-16.969	4.321	0.11	0.265	-14.197	224.027	1
43157_3158	43157	3158	-29.743	22.456	0.069	0.154	-14.672	613.152	1
43158_3158	43158	3158	-16.969	4.286	0.118	0.356	-13.097	180.774	1
43158_3159	43158	3159	-29.742	15.519	0.029	0.248	-14.383	457.726	1
43159_3159	43159	3159	-16.969	4.286	0.118	0.358	-11.916	137.87	1
43159_3160	43159	3160	-29.742	15.519	0.029	0.256	-14.088	302.209	1
43160_3160	43160	3160	-16.969	4.326	0.093	0.387	-10.731	94.923	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43160_3161	43160	3161	-29.742	11.567	-0.031	0.232	-14.431	175.109	1
43161_3161	43161	3161	-16.969	4.326	0.109	0.431	-9.705	47.368	1
43161_3162	43161	3162	-29.742	11.567	-0.004	0.394	-14.471	47.852	1
43162_3162	43162	3162	-16.971	4.435	0.183	0.37	-8.505	-0.23	1
43162_3163	43162	3163	-29.743	9.894	0.038	0.302	-13.956	-88.216	1
43163_3163	43163	3163	-17.007	4.294	0.167	0.49	-5.98	-60.221	1
43163_3164	43163	3164	-29.942	39.492	-0.13	-0.227	-22.336	532.088	1
43164_3164	43164	3164	-17.078	4.243	0.231	0.287	-4.605	-95.611	1
43164_3165	43164	3165	-30.446	36.304	0.117	0.233	-21.589	336.456	1
43165_3165	43165	3165	-17.179	3.812	0.222	0.47	-1.872	-140.981	1
43165_3166	43165	3166	-31.349	35.526	0.101	0.625	-20.242	-127.059	1
43166_3166	43166	3166	-17.275	3.518	-0.022	0.368	1.082	-191.557	1
43166_3167	43166	3167	-31.998	34.744	-0.222	0.256	-22.575	-445.587	1
43167_3167	43167	3167	-17.361	3.067	-0.022	0.347	0.815	-235.662	1
43167_3168	43167	3168	-32.893	33.898	-0.222	0.845	-25.347	-871.501	1
43168_3168	43168	3168	-55.356	1.913	0.468	0.443	-35.96	225.587	1
43168_3169	43168	3169	-12.175	0.22	0.109	0.108	-11.25	71.227	1
43169_3169	43169	3169	-55.355	1.913	0.543	0.605	-31.515	195.184	1
43169_3170	43169	3170	-12.175	0.22	0.126	0.176	-10.274	66.829	1
43170_3170	43170	3170	-55.355	1.913	0.543	0.605	-27.306	180.359	1
43170_3171	43170	3171	-12.175	0.22	0.126	0.176	-9.298	65.121	1
43171_3171	43171	3171	-55.358	1.79	0.594	0.679	-23.098	165.539	1
43171_3172	43171	3172	-12.174	0.206	0.063	0.197	-8.792	63.479	1
43172_3172	43172	3172	-55.358	1.79	0.595	0.682	-18.351	151.234	1
43172_3173	43172	3173	-12.174	0.206	0.063	0.198	-8.285	61.834	1
43173_3173	43173	3173	-55.358	1.79	0.595	0.682	-13.589	136.911	1
43173_3174	43173	3174	-12.174	0.206	0.063	0.198	-7.777	60.189	1
43174_3174	43174	3174	-55.358	1.383	0.731	0.812	-8.827	122.582	1
43174_3175	43174	3175	-12.174	0.204	0.08	0.284	-7.295	58.964	1
43175_3175	43175	3175	-55.36	1.383	0.639	0.621	-4.438	114.285	1
43175_3176	43175	3176	-12.174	0.204	0.06	0.185	-6.936	57.739	1
43176_3176	43176	3176	-55.358	1.383	0.731	0.798	-0.602	105.985	1
43176_3177	43176	3177	-12.174	0.204	0.08	0.282	-6.454	56.514	1
43177_3177	43177	3177	-55.36	1.383	0.639	0.635	3.787	97.687	1
43177_3178	43177	3178	-12.174	0.204	0.06	0.188	-6.094	55.289	1
43178_3178	43178	3178	-55.357	0.737	0.5	0.633	7.623	89.387	1
43178_3179	43178	3179	-12.174	0.202	0.041	0.255	-5.762	53.674	1
43179_3179	43179	3179	-55.357	0.737	0.5	0.633	11.624	83.494	1
43179_3180	43179	3180	-12.174	0.202	0.041	0.255	-5.431	52.058	1
43180_3180	43180	3180	-55.356	0.737	0.569	0.73	15.624	77.601	1
43180_3181	43180	3181	-12.174	0.202	0.057	0.32	-4.978	50.442	1
43181_3181	43181	3181	-55.351	0.164	0.382	0.47	20.178	71.709	1
43181_3182	43181	3182	-12.177	0.208	0.21	0.26	-3.352	48.835	1
43182_3182	43182	3182	-55.35	0.164	0.454	0.563	23.133	70.443	1
43182_3183	43182	3183	-12.176	0.208	0.226	0.324	-1.601	47.225	1
43183_3183	43183	3183	-55.35	0.164	0.437	0.619	26.655	78.996	1
43183_3184	43183	3184	-12.177	0.208	0.222	0.349	0.51	47.412	1
43184_3184	43184	3184	-9.185	-3.648	-0.045	-0.377	2.676	-237.651	1
43184_3185	43184	3185	-25.413	-39.441	0.2	-0.839	-21.481	-395.317	1
43185_3185	43185	3185	-9.087	-3.885	-0.045	-0.432	2.1	-191.82	1
43185_3186	43185	3186	-24.379	-40.088	0.2	-0.28	-18.986	107.202	1
43186_3186	43186	3186	-8.976	-3.942	-0.322	-0.513	1.527	-143.117	1
43186_3187	43186	3187	-23.579	-40.047	-0.237	-0.709	-22.631	477.525	1
43187_3187	43187	3187	-8.874	4.712	-0.012	-0.1	-21.522	469.912	1
43187_3188	43187	3188	-22.525	-38.147	-0.224	-0.225	-25.275	814.706	1
43188_3188	43188	3188	-8.954	3.92	0.1	-0.182	-21.657	414.513	1
43188_3189	43188	3189	-21.9	-35.864	0.031	-0.282	-24.893	1004.59	1
43189_3189	43189	3189	-8.986	3.847	0.098	-0.125	-20.832	380.616	1
43189_3190	43189	3190	-21.614	-9.596	0.035	-0.31	-24.459	1020.554	1
43190_3190	43190	3190	-8.985	3.51	0.078	0.017	-19.487	327.757	1
43190_3191	43190	3191	-21.615	-9.203	0.071	-0.106	-23.68	1121.811	1
43191_3191	43191	3191	-8.985	3.51	0.078	0.017	-18.629	289.141	1
43191_3192	43191	3192	-21.615	17.581	0.071	-0.106	-22.901	928.393	1
43192_3192	43192	3192	-8.985	3.359	0.086	0.197	-17.77	250.526	1
43192_3193	43192	3193	-21.614	18.408	0.049	0.135	-22.407	742.997	1
43193_3193	43193	3193	-8.985	3.359	0.086	0.197	-16.903	216.696	1
43193_3194	43193	3194	-21.614	18.412	0.049	0.135	-21.913	557.563	1
43194_3194	43194	3194	-8.985	3.311	0.066	0.322	-16.037	182.869	1
43194_3195	43194	3195	-21.613	13.071	-0.043	0.255	-22.345	425.923	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43195_3195	43195	3195	-8.985	3.311	0.066	0.322	-15.373	149.522	1
43195_3196	43195	3196	-21.613	13.071	-0.043	0.255	-22.777	294.282	1
43196_3196	43196	3196	-8.986	3.334	0.088	0.444	-14.709	116.175	1
43196_3197	43196	3197	-21.612	9.981	-0.086	0.441	-23.725	184.61	1
43197_3197	43197	3197	-8.986	3.334	0.08	0.373	-13.743	79.533	1
43197_3198	43197	3198	-21.612	9.981	-0.106	0.276	-24.886	74.806	1
43198_3198	43198	3198	-8.987	3.431	0.132	0.409	-12.864	42.857	1
43198_3199	43198	3199	-21.613	8.708	-0.046	0.4	-25.515	-44.95	1
43199_3199	43199	3199	-9.014	3.358	0.134	0.528	-11.05	-2.325	1
43199_3200	43199	3200	-21.683	8.533	-0.04	0.587	-25.845	-110.558	1
43200_3200	43200	3200	-9.07	3.378	0.188	0.36	-9.945	-30.039	1
43200_3201	43200	3201	-21.809	7.995	0.061	0.318	-25.137	-204.472	1
43201_3201	43201	3201	-9.151	3.152	0.191	0.59	-7.723	-66.818	1
43201_3202	43201	3202	-22.569	40.074	0.077	1.281	-38.358	21.042	1
43202_3202	43202	3202	-9.229	3.057	-0.033	0.456	-5.192	-108.644	1
43202_3203	43202	3203	-23.291	37.352	-0.325	0.517	-42.141	-400.639	1
43203_3203	43203	3203	-9.304	2.82	-0.033	0.599	-5.59	-146.96	1
43203_3204	43203	3204	-24.237	36.745	-0.325	1.593	-46.196	-862.231	1
43204_3204	43204	3204	-54.381	2.924	0.933	1.08	-62.913	298.097	1
43204_3205	43204	3205	-12.901	0.689	0.25	0.325	-18.586	96.237	1
43205_3205	43205	3205	-54.381	2.924	0.879	0.557	-54.048	254.454	1
43205_3206	43205	3206	-12.901	0.689	0.237	0.161	-16.747	87.133	1
43206_3206	43206	3206	-54.38	2.924	0.95	0.856	-47.231	231.788	1
43206_3207	43206	3207	-12.901	0.689	0.254	0.274	-14.779	81.791	1
43207_3207	43207	3207	-54.387	2.782	1.095	1.062	-39.871	209.135	1
43207_3208	43207	3208	-12.901	0.672	0.223	0.334	-12.995	76.418	1
43208_3208	43208	3208	-54.387	2.782	1.094	1.058	-31.106	186.875	1
43208_3209	43208	3209	-12.901	0.672	0.223	0.332	-11.216	71.048	1
43209_3209	43209	3209	-54.386	2.782	1.163	1.267	-22.36	164.642	1
43209_3210	43209	3210	-12.901	0.672	0.239	0.422	-9.303	65.672	1
43210_3210	43210	3210	-54.387	2.447	1.064	1.137	-13.052	142.384	1
43210_3211	43210	3211	-12.901	0.676	0.201	0.387	-8.095	61.616	1
43211_3211	43211	3211	-54.387	2.447	1.064	1.137	-6.664	127.702	1
43211_3212	43211	3212	-12.901	0.676	0.201	0.387	-6.887	57.557	1
43212_3212	43212	3212	-54.385	2.447	1.155	1.325	-0.277	113.018	1
43212_3213	43212	3213	-12.9	0.676	0.223	0.483	-5.55	53.498	1
43213_3213	43213	3213	-54.387	2.447	1.064	1.161	6.654	98.338	1
43213_3214	43213	3214	-12.901	0.676	0.201	0.394	-4.342	49.441	1
43214_3214	43214	3214	-54.383	1.915	1.052	1.176	13.041	83.65	1
43214_3215	43214	3215	-12.9	0.674	0.234	0.497	-2.472	44.049	1
43215_3215	43215	3215	-54.384	1.915	0.984	1.091	21.46	68.326	1
43215_3216	43215	3216	-12.901	0.674	0.218	0.442	-0.731	38.658	1
43216_3216	43216	3216	-54.384	1.915	0.984	1.091	29.335	53.001	1
43216_3217	43216	3217	-12.901	0.674	0.218	0.442	1.009	33.267	1
43217_3217	43217	3217	-54.373	1.485	0.761	0.831	37.21	37.668	1
43217_3218	43217	3218	-12.902	0.686	0.282	0.442	3.192	27.945	1
43218_3218	43218	3218	-54.374	1.485	0.691	0.797	43.11	26.161	1
43218_3219	43218	3219	-12.902	0.686	0.265	0.406	5.247	22.625	1
43219_3219	43219	3219	-54.371	1.485	0.915	1.075	48.466	27.596	1
43219_3220	43219	3220	-12.901	0.686	0.318	0.575	8.268	19.181	1
43220_3220	43220	3220	-9.058	-3.839	-0.073	-0.517	-6.037	-201.174	1
43220_3221	43220	3221	-23.738	-38.406	0.283	-1.068	-40.145	-382.778	1
43221_3221	43221	3221	-8.958	-4.068	-0.046	-0.829	-6.933	-152.951	1
43221_3222	43221	3222	-22.775	-35.614	0.298	-1.368	-36.741	-16.71	1
43222_3222	43222	3222	-8.847	-4.097	-0.36	-0.693	-7.521	-101.962	1
43222_3223	43222	3223	-22.067	-38.449	-0.18	-2.718	-39.279	461.745	1
43223_3223	43223	3223	-8.745	-4.314	-0.315	-0.535	-12.306	-50.427	1
43223_3224	43223	3224	-21.134	-35.547	-0.054	0.298	-40.481	733.637	1
43224_3224	43224	3224	-8.678	-4.326	-0.194	-0.8	-16.011	0.278	1
43224_3225	43224	3225	-20.644	-42.53	0.015	-4.237	-40.304	1084.537	1
43225_3225	43225	3225	-8.644	-4.395	-0.154	-0.491	-17.62	35.912	1
43225_3226	43225	3226	-20.304	-5.893	0.11	1.132	-38.584	1178.29	1
43226_3226	43226	3226	-8.644	-4.368	-0.166	-0.859	-20.075	105.927	1
43226_3227	43226	3227	-20.304	-14.925	0.112	-3.07	-37.23	1358.745	1
43227_3227	43227	3227	-8.645	-4.368	-0.13	-0.2	-22.084	158.782	1
43227_3228	43227	3228	-20.303	15.888	0.196	2.565	-34.859	1166.621	1
43228_3228	43228	3228	-8.643	-4.491	-0.188	-0.923	-23.659	211.566	1
43228_3229	43228	3229	-20.297	19.79	0.064	-1.714	-34.082	927.164	1
43229_3229	43229	3229	-8.644	-4.491	-0.152	0.176	-25.935	265.874	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43229_3230	43229	3230	-20.297	22.738	0.148	2.118	-32.29	652.16	1
43230_3230	43230	3230	-8.643	-4.771	-0.165	-0.977	-27.779	320.115	1
43230_3231	43230	3231	-20.288	17.325	-0.038	-0.466	-32.75	439.494	1
43231_3231	43231	3231	-8.644	-4.771	-0.13	0.576	-29.805	378.638	1
43231_3232	43231	3232	-20.288	17.325	0.046	1.337	-32.19	227.131	1
43232_3232	43232	3232	-8.644	-5.304	-0.084	-0.808	-31.395	437.016	1
43232_3233	43232	3233	-20.283	14.53	-0.016	0.482	-32.313	113.223	1
43233_3233	43233	3233	-8.644	-5.304	-0.079	-0.515	-32.056	478.577	1
43233_3234	43233	3234	-20.283	14.53	-0.003	0.551	-32.338	4.895	1
43234_3234	43234	3234	-8.602	-5.29	-0.049	1.185	-31.306	507.781	1
43234_3235	43234	3235	-20.399	14.366	0.054	0.825	-31.852	-122.501	1
43235_3235	43235	3235	-8.516	-6.072	-0.365	-1.344	-31.778	554.52	1
43235_3236	43235	3236	-20.588	36.204	-0.688	0.235	-41.824	232.702	1
43236_3236	43236	3236	-8.464	-6.145	-0.354	-0.311	-33.907	590.146	1
43236_3237	43236	3237	-20.928	40.01	-0.774	0.793	-45.996	176.688	1
43237_3237	43237	3237	-8.364	-6.282	-0.329	1.936	-35.699	626.158	1
43237_3238	43237	3238	-21.587	43.224	-0.811	2.003	-54.314	-102.695	1
43238_3238	43238	3238	-8.142	-8.86	0.524	-0.78	-39.131	688.136	1
43238_3239	43238	3239	-21.697	30.656	0.791	0.931	-46.251	-418.234	1
43239_3239	43239	3239	-7.96	-9.022	0.544	1.718	-33.596	779.345	1
43239_3240	43239	3240	-22.309	30.212	0.838	0.888	-37.265	-744.293	1
43240_3240	43240	3240	-7.346	-12.707	-0.666	2.86	-27.622	876.544	1
43240_3241	43240	3241	-22.098	22.273	1.051	2.377	-29.423	-907.954	1
43241_3241	43241	3241	-60.382	4.907	-0.678	-0.382	-51.088	378.798	1
43241_3242	43241	3242	-14.976	-0.835	0.253	0.066	5.896	38.189	1
43242_3242	43242	3242	-60.384	4.907	-0.462	0.841	-57.527	327.685	1
43242_3243	43242	3243	-14.975	-0.835	0.306	0.179	8.246	43.479	1
43243_3243	43243	3243	-60.495	3.392	1.417	0.607	-61.072	289.959	1
43243_3244	43243	3244	-14.909	-0.877	-0.669	-0.616	1.879	51.768	1
43244_3244	43244	3244	-60.492	3.392	1.55	1.17	-47.579	257.662	1
43244_3245	43244	3245	-14.911	-0.877	-0.636	-0.503	-4.549	60.627	1
43245_3245	43245	3245	-60.447	3.272	1.052	0.671	-31.923	223.317	1
43245_3246	43245	3246	-14.929	-0.927	-0.313	-0.693	-7.666	69.822	1
43246_3246	43246	3246	-60.443	3.272	1.296	1.439	-21.46	190.773	1
43246_3247	43246	3247	-14.93	-0.927	-0.253	-0.412	-10.118	78.792	1
43247_3247	43247	3247	-60.404	3.09	0.71	0.928	-8.923	159.064	1
43247_3248	43247	3248	-14.934	-0.944	-0.15	-0.685	-11.497	87.446	1
43248_3248	43248	3248	-60.401	3.09	0.913	1.369	-2.402	130.676	1
43248_3249	43248	3249	-14.935	-0.944	-0.1	-0.391	-12.538	97.3	1
43249_3249	43249	3249	-60.352	3.045	0.043	1.143	7.127	98.415	1
43249_3250	43249	3250	-14.937	-0.964	-0.015	-0.63	-12.695	107.137	1
43250_3250	43250	3250	-60.352	3.045	0.22	1.339	7.567	67.281	1
43250_3251	43250	3251	-14.937	-0.964	0.028	-0.316	-12.428	116.206	1
43251_3251	43251	3251	-60.477	4.67	3.524	0.997	9.632	38.609	1
43251_3252	43251	3252	-14.919	-0.995	-0.361	-0.738	-15.462	124.54	1
43252_3252	43252	3252	-60.465	4.67	3.726	0.995	39.247	-0.635	1
43252_3253	43252	3253	-14.92	-0.995	-0.311	-0.323	-18.084	132.928	1
43253_3253	43253	3253	-60.46	4.67	3.803	0.98	70.642	-39.406	1
43253_3254	43253	3254	-14.921	-0.995	-0.292	-0.157	-20.324	140.698	1
43254_3254	43254	3254	-60.221	12.802	-3.093	-8.734	99.784	-75.502	1
43254_3255	43254	3255	-14.94	-1.158	0.32	0.128	-19.281	144.477	1
43255_3255	43255	3255	-12.823	-3.722	0.786	-1.04	-7.146	-211.554	1
43255_3256	43255	3256	-24.201	-27.13	4.045	-2.747	-24.281	-672.966	1
43256_3256	43256	3256	-12.691	-4.14	0.825	-1.617	0.923	-173.368	1
43256_3257	43256	3257	-23.489	-12.091	2.78	-3.767	8.353	-513.709	1
43257_3257	43257	3257	-12.545	-3.935	-1.014	-0.594	7.579	-139.44	1
43257_3258	43257	3258	-23.313	-15.149	-1.814	-0.684	-9.82	-363.928	1
43258_3258	43258	3258	-12.481	-4.14	-0.988	-0.771	-2.443	-100.563	1
43258_3259	43258	3259	-23.066	-15.529	-1.765	-1.309	-25.005	-230.15	1
43259_3259	43259	3259	-12.425	-4.313	-0.95	-0.413	-10.969	-70.164	1
43259_3260	43259	3260	-22.871	-14.369	-1.68	-0.932	-29.98	-196.171	1
43260_3260	43260	3260	-12.452	-4.21	-0.127	-0.693	-13.964	-56.508	1
43260_3261	43260	3261	-22.762	-15.194	-0.164	-1.319	-31.203	-82.973	1
43261_3261	43261	3261	-12.399	-4.365	-0.101	-0.559	-14.924	-24.955	1
43261_3262	43261	3262	-22.588	-13.777	-0.096	-1.032	-31.308	31.175	1
43262_3262	43262	3262	-12.363	-4.468	-0.059	-0.378	-15.871	16.816	1
43262_3263	43262	3263	-22.473	-13.964	-0.019	-0.667	-31.461	139.899	1
43263_3263	43263	3263	-12.359	-4.431	-0.335	-0.695	-16.32	51.035	1
43263_3264	43263	3264	-22.469	-15.922	-0.32	-1.508	-35.064	319.288	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43264_3264	43264	3264	-12.36	-4.431	-0.303	-0.437	-20.09	100.957	1
43264_3265	43264	3265	-22.47	-15.922	-0.262	-0.692	-38.156	506.908	1
43265_3265	43265	3265	-12.361	-4.474	-0.224	-0.874	-23.66	153.166	1
43265_3266	43265	3266	-22.47	-19.513	-0.254	-2.338	-41.112	733.621	1
43266_3266	43266	3266	-12.362	-4.474	-0.177	-0.098	-26.258	205.146	1
43266_3267	43266	3267	-22.471	-19.513	-0.169	0.436	-43.049	956.702	1
43267_3267	43267	3267	-12.363	-4.655	-0.254	-0.843	-28.281	256.294	1
43267_3268	43267	3268	-22.473	-25.066	-0.343	-2.41	-47.029	1247.668	1
43268_3268	43268	3268	-12.364	-4.655	-0.219	0.026	-31.226	310.336	1
43268_3269	43268	3269	-22.474	-6.716	-0.28	1.082	-50.231	1324.511	1
43269_3269	43269	3269	-12.366	-4.982	-0.285	-1.082	-33.733	363.62	1
43269_3270	43269	3270	-22.473	5.076	-0.058	-2.356	-50.942	1262.643	1
43270_3270	43270	3270	-12.367	-4.982	-0.237	0.538	-37.205	424.421	1
43270_3271	43270	3271	-22.473	5.076	0.028	2.462	-50.609	1201.268	1
43271_3271	43271	3271	-12.364	-5.417	0.255	-1.877	-40.075	484.682	1
43271_3272	43271	3272	-22.48	36.858	-0.388	-1.977	-53.301	945.9	1
43272_3272	43272	3272	-12.316	-5.525	0.283	-0.32	-38.314	522.826	1
43272_3273	43272	3273	-22.88	46.154	-0.346	0.698	-56.405	590.326	1
43273_3273	43273	3273	-12.237	-5.695	0.322	1.973	-35.6	574.978	1
43273_3274	43273	3274	-23.533	46.884	-0.284	3.41	-58.567	257.557	1
43274_3274	43274	3274	-12.095	-8.242	1.342	-1.879	-33.059	621.959	1
43274_3275	43274	3275	-23.446	34.815	2.283	-0.605	-53.18	286.28	1
43275_3275	43275	3275	-11.999	-8.379	1.353	-0.674	-29.918	644.106	1
43275_3276	43275	3276	-23.838	34.546	2.302	0.792	-33.202	-7.778	1
43276_3276	43276	3276	-11.864	-8.564	1.388	1.677	-18.083	716.727	1
43276_3277	43276	3277	-24.377	35.588	2.359	1.393	-12.427	-251.499	1
43277_3277	43277	3277	-11.565	-11.329	-2.047	1.817	-5.959	791.337	1
43277_3278	43277	3278	-24.491	27.551	-1.772	4.3	-30.692	-539.192	1
43278_3278	43278	3278	-11.227	-11.668	-2.021	4.57	-27.061	909.604	1
43278_3279	43278	3279	-25.35	29.503	-1.663	4.228	-45.705	-719.039	1
43279_3279	43279	3279	-63.857	6.916	-0.457	-10.25	-54.323	415.974	1
43279_3280	43279	3280	-14.804	-0.423	0.909	5.624	33.441	26.881	1
43280_3280	43280	3280	-63.85	5.381	0.451	-0.542	-56.209	387.375	1
43280_3281	43280	3281	-14.82	-0.892	-1.191	-0.741	25.968	32.524	1
43281_3281	43281	3281	-63.849	5.381	0.655	0.515	-53.381	346.532	1
43281_3282	43281	3282	-14.824	-0.892	-1.144	-0.51	14.925	39.492	1
43282_3282	43282	3282	-63.846	5.381	0.844	1.388	-47.06	294.588	1
43282_3283	43282	3283	-14.827	-0.892	-1.1	-0.393	5.73	46.951	1
43283_3283	43283	3283	-63.837	5.21	1.909	0.023	-40.004	282.724	1
43283_3284	43283	3284	-14.824	-0.971	-0.446	-0.476	0.222	66.647	1
43284_3284	43284	3284	-63.829	5.21	2.155	0.864	-16.398	218.316	1
43284_3285	43284	3285	-14.826	-0.971	-0.388	-0.219	-4.411	78.23	1
43285_3285	43285	3285	-63.844	4.861	-0.264	0.343	9.299	156.199	1
43285_3286	43285	3286	-14.824	-1.158	-0.01	-0.511	-4.523	91.941	1
43286_3286	43286	3286	-63.845	4.861	0.01	0.766	6.173	98.64	1
43286_3287	43286	3287	-14.824	-1.158	0.054	-0.117	-3.96	103.998	1
43287_3287	43287	3287	-63.852	6.146	0.664	0.527	6.273	47.991	1
43287_3288	43287	3288	-14.817	-1.212	-0.309	-0.471	-7.448	117.681	1
43288_3288	43288	3288	-63.85	6.146	0.881	0.455	13.771	-21.43	1
43288_3289	43288	3289	-14.818	-1.212	-0.258	-0.072	-10.275	130.938	1
43289_3289	43289	3289	-63.854	8.893	0.411	0.9	23.402	-88.663	1
43289_3290	43289	3290	-14.817	-1.267	-0.068	-0.572	-10.84	141.545	1
43290_3290	43290	3290	-63.853	8.893	0.55	0.544	26.839	-163.048	1
43290_3291	43290	3291	-14.817	-1.267	-0.035	-0.263	-11.117	151.5	1
43291_3291	43291	3291	-63.852	8.893	0.678	0.11	31.162	-230.018	1
43291_3292	43291	3292	-14.817	-1.267	-0.006	0.039	-11.161	162.16	1
43292_3292	43292	3292	-63.875	15.119	-1.358	0.582	36.504	-300.228	1
43292_3293	43292	3293	-14.815	-1.399	0.221	-1.181	-10.607	165.699	1
43293_3293	43293	3293	-0.687	-1.371	-0.238	1.046	7.071	-326.399	1
43293_3294	43293	3294	-8.951	-50.1	1.15	-1.444	-10.515	564.214	1
43294_3294	43294	3294	-0.978	9.107	0.28	1.832	-11.528	947.828	1
43294_3295	43294	3295	-7.128	-45.269	1.325	0.513	1.205	726.139	1
43295_3295	43295	3295	-1.313	6.826	0.125	-2.699	-8.497	858.557	1
43295_3296	43295	3296	-6.401	-48.98	-0.13	-3.26	-0.046	958.914	1
43296_3296	43296	3296	-1.456	6.798	0.132	0.573	-7.296	784.494	1
43296_3297	43296	3297	-5.307	-44.605	-0.115	0.106	-1.827	1096.796	1
43297_3297	43297	3297	-1.561	6.775	0.137	2.754	-6.225	727.918	1
43297_3298	43297	3298	-4.605	-42.388	-0.107	2.861	-2.824	1154.022	1
43298_3298	43298	3298	-1.646	5.257	-0.161	-1.613	-5.738	709.67	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43298_3299	43298	3299	-4.163	-45.147	-0.324	-2.976	-6.291	1298.438	1
43299_3299	43299	3299	-1.663	5.252	-0.157	-0.154	-7.07	666.373	1
43299_3300	43299	3300	-4.018	-8.36	-0.316	-0.157	-8.654	1360.738	1
43300_3300	43300	3300	-1.663	5.252	-0.154	1.034	-8.243	627.681	1
43300_3301	43300	3301	-4.018	-8.36	-0.308	2.428	-10.843	1421.223	1
43301_3301	43301	3301	-1.661	4.282	0.134	-1.262	-9.338	590.4	1
43301_3302	43301	3302	-4.014	-17.015	0.246	-3.392	-7.87	1626.986	1
43302_3302	43302	3302	-1.661	4.282	0.14	0.79	-7.718	538.663	1
43302_3303	43302	3303	-4.013	9.647	0.261	2.806	-4.683	1509.347	1
43303_3303	43303	3303	-1.661	3.657	0.062	-0.716	-6.005	486.469	1
43303_3304	43303	3304	-4.013	16.883	0.061	-1.943	-3.896	1292.838	1
43304_3304	43304	3304	-1.661	3.657	0.067	0.613	-5.203	439.538	1
43304_3305	43304	3305	-4.013	20.586	0.073	1.966	-3.056	1057.25	1
43305_3305	43305	3305	-1.661	3.277	0.072	-0.565	-4.431	397.699	1
43305_3306	43305	3306	-4.013	14.295	0.071	-1.489	-2.122	868.135	1
43306_3306	43306	3306	-1.66	3.277	0.078	0.75	-3.483	354.331	1
43306_3307	43306	3307	-4.013	14.295	0.085	1.733	-1.179	710.275	1
43307_3307	43307	3307	-1.66	3.08	0.102	-0.301	-2.623	318.155	1
43307_3308	43307	3308	-4.013	9.998	0.069	-0.9	-0.317	584.674	1
43308_3308	43308	3308	-1.659	3.08	0.108	0.635	-1.335	279.44	1
43308_3309	43308	3309	-4.012	9.998	0.082	1.06	0.642	467.672	1
43309_3309	43309	3309	-1.659	3.023	0.098	-0.063	-0.071	243.399	1
43309_3310	43309	3310	-4.012	7.36	0.071	-0.459	1.479	380.29	1
43310_3310	43310	3310	-1.659	3.023	0.103	0.544	1.095	207.527	1
43310_3311	43310	3311	-4.012	7.36	0.082	0.655	2.501	288.922	1
43311_3311	43311	3311	-1.657	3.11	0.279	0.113	2.374	170.008	1
43311_3312	43311	3312	-4.01	5.961	0.255	-0.146	5.586	216.765	1
43312_3312	43312	3312	-1.656	3.11	0.284	0.529	5.748	132.353	1
43312_3313	43312	3313	-4.009	5.961	0.267	0.535	8.837	144.277	1
43313_3313	43313	3313	-1.661	3.125	-0.442	0.223	9.2	94.543	1
43313_3314	43313	3314	-4.015	5.03	-0.599	0.193	1.229	80.331	1
43314_3314	43314	3314	-1.663	3.125	-0.435	0.427	3.587	54.814	1
43314_3315	43314	3315	-4.017	5.03	-0.584	0.493	-6.154	16.691	1
43315_3315	43315	3315	-1.665	3.097	0.235	1.136	-1.921	15.294	1
43315_3316	43315	3316	-4.028	5.024	0.752	1.262	0	-24.401	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
3000_3000	3000	3000	1.226	46.543	-0.067	0.102	0	4.213	1
3000_3001	3000	3001	-3.691	3.398	-0.097	0.13	-1.445	-29.79	1
3001_3001	3001	3001	-45.99	38.766	-0.083	0.015	-1.233	-354.401	1
3001_3002	3001	3002	26.942	7.053	0.016	0.026	0.396	205.741	1
3002_3002	3002	3002	-62.972	36.803	0.103	0.207	-2.462	-483.698	1
3002_3003	3002	3003	38.337	8.592	-0.027	-0.065	0.322	292.722	1
3003_3003	3003	3003	-79.703	29.829	0.114	-0.044	-1.323	-610.762	1
3003_3004	3003	3004	54.397	15.39	-0.045	0.085	-0.024	415.792	1
3004_3004	3004	3004	-87.614	32.534	0.037	0.164	0.117	-670.772	1
3004_3005	3004	3005	72.525	16.53	-0.016	-0.075	-0.208	554.569	1
3005_3005	3005	3005	-96.542	26.401	0.041	0.006	0.678	-738.4	1
3005_3006	3005	3006	82.491	23.635	-0.022	0.053	-0.55	631.06	1
3006_3006	3006	3006	-98.93	30.329	0.031	0.262	1.34	-756.394	1
3006_3007	3006	3007	92.417	20.909	-0.019	-0.176	-0.937	706.824	1
3007_3007	3007	3007	-104.131	24.371	0.033	-0.077	1.898	-795.695	1
3007_3008	3007	3008	95.164	27.15	-0.022	0.132	-1.406	727.907	1
3008_3008	3008	3008	-103.296	28.287	0.03	0.14	2.484	-789.249	1
3008_3009	3008	3009	100.454	23.249	-0.023	-0.103	-1.926	768.071	1
3009_3009	3009	3009	-105.44	22.346	0.03	-0.022	3.012	-805.396	1
3009_3010	3009	3010	99.316	29.337	-0.025	0.052	-2.492	759.411	1
3010_3010	3010	3010	-101.724	25.953	0.036	0.202	3.515	-777.142	1
3010_3011	3010	3011	100.928	25.511	-0.032	-0.157	-3.151	771.533	1
3011_3011	3011	3011	-100.874	20.038	0.035	-0.114	4.035	-770.61	1
3011_3012	3011	3012	96.213	31.622	-0.034	0.16	-3.817	735.686	1
3012_3012	3012	3012	-94.005	23.005	0.045	0.075	4.487	-718.436	1
3012_3013	3012	3013	93.926	28.187	-0.043	-0.042	-4.573	718.243	1
3013_3013	3013	3013	-90.489	17.224	0.042	-0.065	4.93	-691.556	1
3013_3014	3013	3014	85.31	34.377	-0.044	0.104	-5.32	652.845	1
3014_3014	3014	3014	-73.968	17.171	0.048	0.085	5.14	-565.837	1
3014_3015	3014	3015	67.323	31.714	-0.052	-0.037	-6.343	516.442	1
3015_3015	3015	3015	-86.105	13.114	0.033	-0.102	3.89	-616.476	1
3015_3016	3015	3016	75.649	40.436	-0.033	0.132	-4.642	561.781	1
3016_3016	3016	3016	-67.849	13.647	-0.014	0.017	3.869	-497.802	1
3016_3017	3016	3017	50.331	37.38	-0.002	0.009	-4.667	423.834	1
3017_3017	3017	3017	-47.81	7.735	-0.01	-0.119	3.331	-394.725	1
3017_3018	3017	3018	22.034	44.099	0.004	0.176	-4.44	251.721	1
3018_3018	3018	3018	-26.804	5.335	-0.008	-0.02	2.865	-270.251	1
3018_3019	3018	3019	2.61	47	-0.025	0.077	-4.445	85.653	1
3019_3019	3019	3019	-9.708	1.427	-0.019	-0.104	2.241	-125.778	1
3019_3020	3019	3020	-15.287	54.432	-0.021	0.213	-4.333	-156.886	1
3020_3020	3020	3020	0.842	47.609	0.008	0.014	1.955	108.786	1
3020_3021	3020	3021	64.521	7.597	0.079	0.021	-5.08	218.793	1
3021_3021	3021	3021	-18.514	42.59	0.021	-0.012	1.129	-49.781	1
3021_3022	3021	3022	67.716	10.639	0.042	0.048	-3.249	267.161	1
3022_3022	3022	3022	-29.249	37.684	0.031	-0.002	0.894	-132.428	1
3022_3023	3022	3023	68.352	13.865	0.031	0.041	-2.718	292.147	1
3023_3023	3023	3023	-37.27	37.027	-0.01	0.012	0.774	-193.321	1
3023_3024	3023	3024	69.09	13.997	0.056	0.028	-2.045	319.875	1
3024_3024	3024	3024	-46.159	31.938	-0.001	0.02	0.392	-256.594	1
3024_3025	3024	3025	68.223	17.606	0.048	0.02	-1.458	336.346	1
3025_3025	3025	3025	-51.792	27.185	0.009	-0.01	0.146	-294.616	1
3025_3026	3025	3026	64.892	21.75	0.037	0.057	-1.003	335.087	1
3026_3026	3026	3026	-58.62	30.53	0.014	0.082	0.089	-338.413	1
3026_3027	3026	3027	67.747	20.056	0.044	-0.025	-0.624	371.304	1
3027_3027	3027	3027	-62.434	26.836	0.024	0.02	0.086	-360.257	1
3027_3028	3027	3028	66.397	23.193	0.034	0.03	-0.371	372.766	1
3028_3028	3028	3028	-64.44	23.34	0.032	0.029	0.19	-368.131	1
3028_3029	3028	3029	63.955	26.679	0.026	0.02	-0.206	364.328	1
3029_3029	3029	3029	-65.285	20.193	0.042	-0.025	0.383	-366.021	1
3029_3030	3029	3030	59.753	30.366	0.016	0.082	-0.148	342.013	1
3030_3030	3030	3030	-61.591	21.837	0.037	0.069	0.688	-328.28	1
3030_3031	3030	3031	52.49	27.067	0.011	-0.014	-0.143	297.307	1
3031_3031	3031	3031	-64.022	17.682	0.047	0.034	1.081	-328.408	1
3031_3032	3031	3032	46.387	31.828	0.001	0.012	-0.313	258.676	1
3032_3032	3032	3032	-63.876	14.055	0.057	0.002	1.6	-310.267	1
3032_3033	3032	3033	36.976	36.915	-0.01	0.044	-0.63	194.483	1
3033_3033	3033	3033	-62.09	13.98	0.028	0.081	2.241	-280.672	1
3033_3034	3033	3034	28.396	37.57	0.034	-0.028	-0.661	132.611	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3034_3034	3034	3034	-60.449	10.728	0.047	0.002	2.714	-253.639	1
3034_3035	3034	3035	17.029	42.462	0.021	0.015	-0.843	48.831	1
3035_3035	3035	3035	-55.669	7.638	0.078	0.051	4.561	-203.245	1
3035_3036	3035	3036	-3.019	47.491	0.015	0.007	-1.507	-110.99	1
3036_3036	3036	3036	30.478	52.437	-0.015	0.189	3.457	209.489	1
3036_3037	3036	3037	12.949	3.754	0.009	0.059	0.03	125.187	1
3037_3037	3037	3037	16.861	45.114	-0.02	0.095	3.563	-1.913	1
3037_3038	3037	3038	17.961	6.246	-0.013	-0.032	-2.419	240.122	1
3038_3038	3038	3038	2.324	42.207	0.022	0.18	3.596	-138.038	1
3038_3039	3038	3039	34.117	8.6	-0.018	-0.115	-2.875	347.339	1
3039_3039	3039	3039	-20.62	35.714	0.013	0.032	4.059	-283.594	1
3039_3040	3039	3040	48.702	14.338	-0.024	0.011	-3.474	429.759	1
3040_3040	3040	3040	-41.727	38.546	-0.026	0.104	4.24	-402.799	1
3040_3041	3040	3041	62.02	13.916	0.036	-0.07	-3.475	526.103	1
3041_3041	3041	3041	-43.527	29.433	-0.011	0.018	1.899	-327.749	1
3041_3042	3041	3042	60.421	17.648	0.018	0.009	-1.436	433.265	1
3042_3042	3042	3042	-62.205	32.13	-0.003	0.044	1.701	-436.977	1
3042_3043	3042	3043	73.504	17.12	0.007	-0.018	-1.506	516.159	1
3043_3043	3043	3043	-71.779	25.699	-0.002	0.006	1.646	-491.762	1
3043_3044	3043	3044	73.642	23.001	0.007	0.021	-1.501	516.558	1
3044_3044	3044	3044	-74.207	28.999	0.002	0.066	1.59	-504.419	1
3044_3045	3044	3045	78.514	19.805	0.003	-0.035	-1.535	543.252	1
3045_3045	3045	3045	-79.803	22.662	0.002	-0.023	1.579	-537.459	1
3045_3046	3045	3046	76.756	25.947	0.003	0.056	-1.548	528.975	1
3046_3046	3046	3046	-78.529	26.13	0.003	0.008	1.556	-529.864	1
3046_3047	3046	3047	79.037	22.398	0.003	0.012	-1.563	538.983	1
3047_3047	3047	3047	-80.933	19.945	0.004	0.008	1.545	-544.904	1
3047_3048	3047	3048	74.413	28.739	0.001	0.012	-1.584	507.812	1
3048_3048	3048	3048	-76.568	23.035	0.006	-0.005	1.53	-518.713	1
3048_3049	3048	3049	73.081	25.384	-0.001	0.024	-1.631	497.671	1
3049_3049	3049	3049	-76.727	17.116	0.007	0.003	1.527	-518.31	1
3049_3050	3049	3050	64.455	31.866	-0.002	0.016	-1.684	444.604	1
3050_3050	3050	3050	-63.831	17.582	0.015	0.002	1.465	-435.493	1
3050_3051	3050	3051	46.727	29.115	-0.009	0.021	-1.849	337.415	1
3051_3051	3051	3051	-69.472	13.673	0.018	-0.047	1.907	-506.805	1
3051_3052	3051	3052	48.308	38.284	-0.012	0.075	-2.273	392.679	1
3052_3052	3052	3052	-55.443	14.221	-0.013	-0.001	1.895	-415.638	1
3052_3053	3052	3053	26.504	35.33	0.009	0.032	-2.167	277.496	1
3053_3053	3053	3053	-36.505	8.509	-0.013	-0.127	2.14	-358.982	1
3053_3054	3053	3054	1.154	42.145	0.017	0.203	-2.639	144.967	1
3054_3054	3054	3054	-20.578	6.025	-0.004	-0.007	1.8	-251.493	1
3054_3055	3054	3055	-12.944	45.166	-0.024	0.104	-2.743	4.831	1
3055_3055	3055	3055	-16.547	2.948	-0.003	0.084	-0.487	-111.096	1
3055_3056	3055	3056	-26.459	52.692	-0.019	0.235	-2.761	-211.984	1
3056_3056	3056	3056	-4.652	47.175	0.015	0.01	1.004	73.815	1
3056_3057	3056	3057	59.009	7.587	0.05	0.054	-3.133	217.026	1
3057_3057	3057	3057	-23.931	42.267	0.024	-0.022	0.688	-88.077	1
3057_3058	3057	3058	63.644	10.862	0.03	0.103	-2.274	279.359	1
3058_3058	3058	3058	-33.909	37.357	0.032	-0.003	0.591	-174.207	1
3058_3059	3058	3059	65.34	14.233	0.02	0.088	-1.907	312.337	1
3059_3059	3059	3059	-41.189	36.923	-0.011	0.062	0.592	-236.143	1
3059_3060	3059	3060	66.866	14.39	0.043	0.033	-1.408	346.442	1
3060_3060	3060	3060	-49.369	31.882	-0.003	-0.006	0.299	-301.354	1
3060_3061	3060	3061	66.765	18.082	0.035	0.104	-0.995	367.75	1
3061_3061	3061	3061	-54.475	27.175	0.004	0.016	0.114	-339.545	1
3061_3062	3061	3062	64.218	22.288	0.03	0.087	-0.654	369.24	1
3062_3062	3062	3062	-60.744	30.629	0.014	0.061	0.058	-384.356	1
3062_3063	3062	3063	67.424	20.538	0.03	0.046	-0.406	410.354	1
3063_3063	3063	3063	-64.266	26.964	0.02	0.074	0.091	-406.332	1
3063_3064	3063	3064	66.442	23.689	0.024	0.03	-0.236	413.135	1
3064_3064	3064	3064	-66.133	23.491	0.026	0.088	0.194	-413.63	1
3064_3065	3064	3065	64.391	27.173	0.018	0.012	-0.136	405.166	1
3065_3065	3065	3065	-66.964	20.36	0.034	-0.027	0.362	-410.473	1
3065_3066	3065	3066	60.703	30.847	0.01	0.139	-0.118	382.63	1
3066_3066	3066	3066	-63.556	22.112	0.03	0.118	0.619	-368.857	1
3066_3067	3066	3067	54.201	27.325	0.003	0.001	-0.167	336.75	1
3067_3067	3067	3067	-65.933	17.919	0.036	0.138	0.949	-367.154	1
3067_3068	3067	3068	48.859	32.05	-0.004	-0.029	-0.341	297.692	1
3068_3068	3068	3068	-65.938	14.26	0.046	-0.023	1.349	-346.278	1

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3068_3069	3068	3069	40.498	37.107	-0.013	0.13	-0.634	232.022	1
3069_3069	3069	3069	-64.334	14.158	0.022	0.148	1.86	-312.596	1
3069_3070	3069	3070	33.003	37.465	0.029	-0.03	-0.634	169.32	1
3070_3070	3070	3070	-62.695	10.822	0.035	0.084	2.232	-281.072	1
3070_3071	3070	3071	22.887	42.386	0.02	-0.001	-0.749	83.074	1
3071_3071	3071	3071	-58.108	7.611	0.058	0.043	3.293	-221.967	1
3071_3072	3071	3072	3.551	47.327	0.01	0.03	-1.167	-79.994	1
3072_3072	3072	3072	25.945	52.329	-0.019	0.232	2.823	189.163	1
3072_3073	3072	3073	9.125	3.441	0.005	0.056	-0.485	100.988	1
3073_3073	3073	3073	11.357	44.825	-0.023	0.111	2.779	-34.734	1
3073_3074	3073	3074	19.388	6.092	-0.004	-0.032	-1.9	252.7	1
3074_3074	3074	3074	-4.206	41.855	0.01	0.255	2.655	-180.719	1
3074_3075	3074	3075	35.461	8.582	-0.008	-0.161	-2.158	364.057	1
3075_3075	3075	3075	-31.634	35.091	0.004	0.014	2.12	-316.814	1
3075_3076	3075	3076	54.911	14.387	-0.007	0.032	-1.815	423.874	1
3076_3076	3076	3076	-54.9	38.203	-0.005	0.149	2.174	-437.062	1
3076_3077	3076	3077	69.762	13.744	0.009	-0.108	-1.874	520.704	1
3077_3077	3077	3077	-50.403	30.117	-0.011	0.003	3.067	-424.211	1
3077_3078	3077	3078	58.74	17.895	0.014	0.07	-2.599	494.57	1
3078_3078	3078	3078	-65.311	32.818	-0.01	0.046	2.871	-527.499	1
3078_3079	3078	3079	70.636	17.368	0.014	-0.004	-2.611	583.017	1
3079_3079	3079	3079	-73.604	26.784	-0.008	0.055	2.723	-583.859	1
3079_3080	3079	3080	72.327	23.002	0.015	-0.013	-2.544	593.714	1
3080_3080	3080	3080	-76.043	30.325	-0.001	0.093	2.599	-599.163	1
3080_3081	3080	3081	77.972	19.796	0.006	-0.04	-2.542	630.352	1
3081_3081	3081	3081	-81.207	24.361	-0.001	-0.01	2.543	-635.723	1
3081_3082	3081	3082	78.382	25.604	0.006	0.061	-2.522	628.217	1
3082_3082	3082	3082	-79.061	27.716	0.004	0.076	2.492	-620.951	1
3082_3083	3082	3083	80.516	21.828	0.002	-0.024	-2.533	638.767	1
3083_3083	3083	3083	-81.35	21.419	0.005	-0.029	2.497	-639.86	1
3083_3084	3083	3084	78.075	28.154	0.001	0.082	-2.552	616.783	1
3084_3084	3084	3084	-79.191	25.156	0.004	0.064	2.505	-627.299	1
3084_3085	3084	3085	80.164	24.764	0.002	-0.011	-2.56	629.174	1
3085_3085	3085	3085	-78.782	19.39	0.004	-0.047	2.491	-627.648	1
3085_3086	3085	3086	74.853	30.761	0.002	0.101	-2.569	589.711	1
3086_3086	3086	3086	-73.253	22.584	0.011	0.036	2.469	-590.257	1
3086_3087	3086	3087	72.27	27.198	-0.008	0.018	-2.681	571.538	1
3087_3087	3087	3087	-71.518	16.981	0.01	-0.056	2.497	-578.237	1
3087_3088	3087	3088	63.867	33.27	-0.008	0.111	-2.797	512.535	1
3088_3088	3088	3088	-60.565	17.979	0.028	0.019	2.44	-496.182	1
3088_3089	3088	3089	50.517	30.339	-0.021	0.036	-3.103	418.712	1
3089_3089	3089	3089	-64.112	13.908	0.024	-0.105	2.433	-551.555	1
3089_3090	3089	3090	49.212	38.339	-0.019	0.16	-2.943	455.744	1
3090_3090	3090	3090	-50.61	14.387	-0.016	0.02	2.441	-448.638	1
3090_3091	3090	3091	28.37	35.225	0.012	0.037	-2.79	330.361	1
3091_3091	3091	3091	-35.607	8.366	-0.014	-0.127	2.585	-363.304	1
3091_3092	3091	3092	4.869	41.95	0.02	0.205	-3.133	175.782	1
3092_3092	3092	3092	-19.581	5.936	-0.001	-0.031	2.221	-249.26	1
3092_3093	3092	3093	-10.107	44.811	-0.034	0.103	-3.352	29.339	1
3093_3093	3093	3093	-10.343	3.495	-0.001	0.063	0.112	-113.5	1
3093_3094	3093	3094	-24.404	52.472	-0.029	0.217	-3.476	-197.898	1
3094_3094	3094	3094	-4.849	46.979	0.022	0.029	1.107	78.021	1
3094_3095	3094	3095	58.365	7.553	0.057	0.03	-3.592	219.223	1
3095_3095	3095	3095	-23.147	42.092	0.045	-0.029	1.011	-88.565	1
3095_3096	3095	3096	61.021	10.86	0.038	0.131	-3.381	286.583	1
3096_3096	3096	3096	-32.245	37.066	0.057	-0.004	0.945	-177.275	1
3096_3097	3096	3097	62.317	14.284	0.023	0.114	-2.895	319.5	1
3097_3097	3097	3097	-38.797	36.875	-0.019	0.063	1.032	-240.529	1
3097_3098	3097	3098	63.539	14.327	0.067	0.031	-2.142	354.679	1
3098_3098	3098	3098	-46.32	31.761	-0.006	-0.015	0.587	-308.165	1
3098_3099	3098	3099	63.222	18.069	0.055	0.113	-1.521	376.41	1
3099_3099	3099	3099	-50.916	26.995	0.004	0.008	0.313	-347.164	1
3099_3100	3099	3100	60.576	22.352	0.047	0.099	-1.005	377.194	1
3100_3100	3100	3100	-56.617	30.789	0.026	-0.346	0.237	-392.965	1
3100_3101	3100	3101	63.453	20.371	0.038	0.323	-0.688	420.235	1
3101_3101	3101	3101	-59.941	27.062	0.036	-0.351	0.343	-416.551	1
3101_3102	3101	3102	62.473	23.555	0.03	0.377	-0.477	423.492	1
3102_3102	3102	3102	-61.751	23.536	0.029	0.451	0.566	-424.983	1
3102_3103	3102	3103	60.506	27.087	0.038	-0.429	-0.262	415.59	1

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3103_3103	3103	3103	-62.524	20.351	0.04	0.239	0.792	-421.797	1
3103_3104	3103	3104	56.975	30.809	0.025	-0.257	-0.187	392.112	1
3104_3104	3104	3104	-59.407	22.316	0.048	0.14	1.159	-379.078	1
3104_3105	3104	3105	51.082	26.995	0.004	-0.03	-0.284	346.604	1
3105_3105	3105	3105	-61.805	18.028	0.059	0.044	1.708	-378.465	1
3105_3106	3105	3106	46.231	31.767	-0.008	0.048	-0.607	307.978	1
3106_3106	3106	3106	-61.881	14.282	0.067	0.062	2.393	-356.853	1
3106_3107	3106	3107	38.444	36.889	-0.019	0.031	-1.086	240.651	1
3107_3107	3107	3107	-60.43	14.249	0.025	0.085	3.177	-321.759	1
3107_3108	3107	3108	31.663	37.035	0.055	-0.003	-1.052	177.935	1
3108_3108	3108	3108	-58.912	10.813	0.04	0.103	3.707	-288.864	1
3108_3109	3108	3109	22.326	42.071	0.043	-0.023	-1.166	89.599	1
3109_3109	3109	3109	-55.898	7.497	0.055	0.054	4.058	-221.866	1
3109_3110	3109	3110	3.867	46.989	0.024	0.004	-1.301	-77.129	1
3110_3110	3110	3110	25.137	51.522	-0.034	0.26	4.057	178.195	1
3110_3111	3110	3111	9.004	2.119	-0.002	0.04	0.154	79.586	1
3111_3111	3111	3111	11.372	43.739	-0.041	0.098	3.963	-40.608	1
3111_3112	3111	3112	18.822	6.341	0.002	-0.004	-2.497	256.544	1
3112_3112	3112	3112	-2.677	40.883	0.009	0.227	3.727	-176.667	1
3112_3113	3112	3113	34.224	8.783	-0.008	-0.142	-2.837	366.963	1
3113_3113	3113	3113	-24.859	34.085	0.001	0.019	3.168	-320.21	1
3113_3114	3113	3114	48.294	14.899	-0.009	0.044	-2.606	446.51	1
3114_3114	3114	3114	-44.153	37.267	-0.032	0.081	3.201	-435.492	1
3114_3115	3114	3115	60.725	14.364	0.033	-0.039	-2.56	543.447	1
3115_3115	3115	3115	-48.019	28.661	-0.026	0.035	2.442	-363.92	1
3115_3116	3115	3116	60.498	18.37	0.027	-0.01	-1.829	447.124	1
3116_3116	3116	3116	-61.902	31.735	-0.01	0.095	2.041	-449.719	1
3116_3117	3116	3117	71.374	17.323	0.011	-0.055	-1.833	519.837	1
3117_3117	3117	3117	-69.83	25.503	-0.01	-0.031	1.893	-498.145	1
3117_3118	3117	3118	71.624	23.073	0.013	0.074	-1.747	521.177	1
3118_3118	3118	3118	-71.414	29.189	-0.009	0.092	1.735	-507.066	1
3118_3119	3118	3119	76.131	19.623	0.012	-0.051	-1.658	547.707	1
3119_3119	3119	3119	-76.049	23.012	-0.01	-0.045	1.589	-536.829	1
3119_3120	3119	3120	74.941	25.543	0.013	0.087	-1.532	537.014	1
3120_3120	3120	3120	-72.737	26.526	-0.006	0.037	1.435	-517.238	1
3120_3121	3120	3121	75.962	21.585	0.01	-0.005	-1.424	540.402	1
3121_3121	3121	3121	-74.304	20.024	-0.005	-0.023	1.328	-530.272	1
3121_3122	3121	3122	71.953	28.097	0.01	0.057	-1.313	512.016	1
3122_3122	3122	3122	-70.868	23.966	-0.004	0.03	1.229	-511.93	1
3122_3123	3122	3123	72.94	24.588	0.009	0.005	-1.222	516.868	1
3123_3123	3123	3123	-69.696	18.023	-0.004	-0.032	1.151	-508.265	1
3123_3124	3123	3124	66.017	30.764	0.008	0.068	-1.132	472.542	1
3124_3124	3124	3124	-63.048	21.42	0.005	0.057	1.076	-468.779	1
3124_3125	3124	3125	62.206	27.083	0	-0.01	-1.141	449.482	1
3125_3125	3125	3125	-60.931	15.709	0.003	-0.058	1.087	-455.939	1
3125_3126	3125	3126	52.039	33.318	0	0.104	-1.156	386.962	1
3126_3126	3126	3126	-49.719	16.942	0.006	0.021	1.047	-381.573	1
3126_3127	3126	3127	37.114	30.368	0	0.022	-1.181	294.925	1
3127_3127	3127	3127	-56.267	12.808	0.006	-0.042	0.986	-413.06	1
3127_3128	3127	3128	37.203	38.29	0	0.066	-1.066	306.067	1
3128_3128	3128	3128	-42.439	13.726	0.005	0.028	0.98	-324.929	1
3128_3129	3128	3129	14.958	34.917	-0.004	0.014	-1.119	186.878	1
3129_3129	3129	3129	-25.693	7.858	0.008	-0.099	1.235	-271.508	1
3129_3130	3129	3130	-9.204	41.795	-0.002	0.164	-1.372	44.731	1
3130_3130	3130	3130	-11.719	5.023	-0.073	-0.029	1.367	-168.289	1
3130_3131	3130	3131	-22.426	44.954	0.04	0.071	-0.842	-100.356	1
3131_3131	3131	3131	-15.387	3.701	0.024	0.011	0.917	-160.612	1
3131_3132	3131	3132	-33.578	52.587	0.045	0.098	-0.223	-293.749	1
3132_3132	3132	3132	5.523	47.591	0.111	-0.154	-1.14	152.396	1
3132_3133	3132	3133	53.294	5.334	-0.075	0.131	-1.076	148.563	1
3133_3133	3133	3133	-18.304	42.107	0.102	-0.113	-0.165	-43.075	1
3133_3134	3133	3134	59.785	8.924	-0.073	0.111	-1.341	220.529	1
3134_3134	3134	3134	-29.782	36.788	0.087	0.115	0.478	-132.201	1
3134_3135	3134	3135	62.357	12.479	-0.048	-0.28	-1.611	257.096	1
3135_3135	3135	3135	-38.091	36.092	-0.027	0.021	0.996	-196.89	1
3135_3136	3135	3136	64.538	13.235	0.046	0.015	-1.193	293.301	1
3136_3136	3136	3136	-46.839	30.752	-0.021	0.027	0.651	-261.513	1
3136_3137	3136	3137	64.876	17.145	0.043	0.007	-0.808	316.486	1
3137_3137	3137	3137	-51.977	25.814	-0.014	-0.017	0.387	-298.487	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3137_3138	3137	3138	62.223	21.589	0.039	0.057	-0.474	318.27	1
3138_3138	3138	3138	-57.99	30.05	0.008	0.035	0.236	-338.975	1
3138_3139	3138	3139	65.79	19.258	0.02	0.006	-0.336	359.018	1
3139_3139	3139	3139	-61.688	26.167	0.012	0.042	0.27	-362.014	1
3139_3140	3139	3140	64.966	22.554	0.016	-0.003	-0.241	363.67	1
3140_3140	3140	3140	-63.422	22.499	0.017	-0.036	0.345	-369.835	1
3140_3141	3140	3141	62.826	26.224	0.01	0.076	-0.202	357.156	1
3141_3141	3141	3141	-63.861	19.206	0.019	0.051	0.472	-366.525	1
3141_3142	3141	3142	58.716	30.11	0.008	-0.014	-0.196	335.423	1
3142_3142	3142	3142	-59.746	21.373	0.016	0.045	0.632	-327.314	1
3142_3143	3142	3143	52.09	26.073	0.003	-0.009	-0.239	294.91	1
3143_3143	3143	3143	-61.716	16.927	0.021	-0.011	0.821	-326.072	1
3143_3144	3143	3144	46.232	31.029	-0.002	0.039	-0.37	258.614	1
3144_3144	3144	3144	-60.789	13.045	0.022	0.048	1.064	-304.034	1
3144_3145	3144	3145	36.753	36.371	-0.005	-0.018	-0.548	194.578	1
3145_3145	3145	3145	-57.958	12.91	-0.008	-0.004	1.314	-268.487	1
3145_3146	3145	3146	28.07	36.767	0.04	0.014	-0.401	133.013	1
3146_3146	3146	3146	-55.07	9.361	-0.003	0.047	1.37	-234.481	1
3146_3147	3146	3147	16.281	41.982	0.037	-0.019	-0.281	46.957	1
3147_3147	3147	3147	-48.633	5.989	0.006	0.033	1.567	-174.65	1
3147_3148	3147	3148	-4.782	47.335	0.032	-0.002	-0.191	-117.622	1
3148_3148	3148	3148	37.713	50.622	-0.014	0.105	1.607	239.637	1
3148_3149	3148	3149	19.669	2.384	0.002	0.031	-0.146	129.294	1
3149_3149	3149	3149	25.782	42.965	-0.017	0.045	1.526	36.935	1
3149_3150	3149	3150	11.507	6.422	-0.006	-0.017	-1.119	205.807	1
3150_3150	3150	3150	13.773	39.951	0.009	0.073	1.402	-87.192	1
3150_3151	3150	3151	24.885	9.001	-0.006	-0.042	-1.245	302.426	1
3151_3151	3151	3151	-9.432	33.244	0.004	0.021	1.25	-204.822	1
3151_3152	3151	3152	41.02	14.786	-0.009	-0.014	-1.204	345.752	1
3152_3152	3152	3152	-29.512	36.225	-0.006	0.014	1.274	-308.088	1
3152_3153	3152	3153	52.891	14.25	0.015	-0.001	-1.156	424.387	1
3153_3153	3153	3153	-30.825	28.096	-0.003	0.011	0.972	-272.835	1
3153_3154	3153	3154	48.787	18.253	0.011	-0.003	-0.835	365.84	1
3154_3154	3154	3154	-43.854	30.606	-0.003	0.023	0.899	-345.685	1
3154_3155	3154	3155	57.328	17.241	0.007	-0.009	-0.82	420.873	1
3155_3155	3155	3155	-51.382	24.332	-0.004	-0.003	0.837	-387.791	1
3155_3156	3155	3156	55.826	22.989	0.008	0.019	-0.765	414.999	1
3156_3156	3156	3156	-54.556	27.788	0	0.006	0.78	-405.876	1
3156_3157	3156	3157	60.37	20.224	0.003	0.006	-0.758	441.162	1
3157_3157	3157	3157	-58.572	22.174	0.001	0.008	0.77	-429.259	1
3157_3158	3157	3158	57.72	25.699	0.003	0.003	-0.752	425.651	1
3158_3158	3158	3158	-57.365	25.665	0.003	0.005	0.767	-423.245	1
3158_3159	3158	3159	58.666	22.292	0.001	0.007	-0.764	430.08	1
3159_3159	3159	3159	-59.835	20.181	0.004	0.006	0.785	-437.701	1
3159_3160	3159	3160	54.433	27.877	0	0.005	-0.783	405.32	1
3160_3160	3160	3160	-55.122	22.957	0.009	0.02	0.802	-410.606	1
3160_3161	3160	3161	50.982	24.565	-0.004	-0.003	-0.854	385.488	1
3161_3161	3161	3161	-56.371	17.209	0.008	-0.009	0.866	-415.158	1
3161_3162	3161	3162	43.203	30.778	-0.004	0.023	-0.93	341.775	1
3162_3162	3162	3162	-47.496	18.116	0.012	-0.009	0.889	-358.404	1
3162_3163	3162	3163	29.697	28.422	-0.003	0.015	-1.006	266.078	1
3163_3163	3163	3163	-52.653	14.103	0.015	0.017	1.079	-408.822	1
3163_3164	3163	3164	29.344	36.443	-0.007	-0.007	-1.17	295.395	1
3164_3164	3164	3164	-40.22	14.459	-0.01	-0.017	1.135	-329.342	1
3164_3165	3164	3165	8.483	33.75	0.006	0.021	-1.131	189.361	1
3165_3165	3165	3165	-25.341	8.715	-0.007	-0.031	1.051	-274.866	1
3165_3166	3165	3166	-14.654	40.317	0.009	0.052	-1.136	64.611	1
3166_3166	3166	3166	-11.134	6.149	-0.005	-0.016	0.925	-181.144	1
3166_3167	3166	3167	-27.64	43.596	-0.015	0.038	-1.258	-61.75	1
3167_3167	3167	3167	-22.512	2.758	0	0.026	0.15	-148.394	1
3167_3168	3167	3168	-40.264	51.13	-0.012	0.084	-1.337	-263.317	1
3168_3168	3168	3168	5.938	47.725	0.021	0.017	0.202	119.946	1
3168_3169	3168	3169	51.023	6.082	0.013	0.013	-1.295	165.371	1
3169_3169	3169	3169	-16.665	42.53	0.022	-0.006	0.188	-41.494	1
3169_3170	3169	3170	57.721	9.332	0.003	0.034	-0.887	224.333	1
3170_3170	3170	3170	-29.514	37.444	0.025	0.001	0.248	-127.149	1
3170_3171	3170	3171	61.048	12.745	-0.002	0.028	-0.828	258.115	1
3171_3171	3171	3171	-39.169	36.789	-0.002	0.004	0.342	-190.118	1
3171_3172	3171	3172	64.279	13.006	0.015	0.023	-0.659	293.24	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist.	Fact
3172_3172	3172	3172	-49.429	31.543	0.001	0.008	0.24	-254.066	1	1
3172_3173	3172	3173	65.585	16.77	0.013	0.02	-0.515	315.934	1	1
3173_3173	3173	3173	-55.935	26.642	0.003	0.013	0.176	-291.92	1	1
3173_3174	3173	3174	63.988	21.084	0.01	0.015	-0.401	319.795	1	1
3174_3174	3174	3174	-63.261	30.144	0.007	-0.029	0.16	-333.719	1	1
3174_3175	3174	3175	68.526	19.373	0.014	0.053	-0.3	358.728	1	1
3175_3175	3175	3175	-67.496	26.338	0.009	0.052	0.177	-354.831	1	1
3175_3176	3175	3176	68.158	22.614	0.013	-0.022	-0.218	362.69	1	1
3176_3176	3176	3176	-69.667	22.734	0.013	-0.021	0.22	-361.537	1	1
3176_3177	3176	3177	66.429	26.211	0.009	0.05	-0.177	356.171	1	1
3177_3177	3177	3177	-70.459	19.486	0.014	0.054	0.303	-357.715	1	1
3177_3178	3177	3178	62.647	30.013	0.007	-0.031	-0.16	335.267	1	1
3178_3178	3178	3178	-66.431	21.208	0.01	0.033	0.407	-318.75	1	1
3178_3179	3178	3179	55.723	26.606	0.003	0.004	-0.174	293.343	1	1
3179_3179	3179	3179	-68.559	16.899	0.012	0.039	0.513	-315.095	1	1
3179_3180	3179	3180	49.775	31.49	0.001	-0.005	-0.237	255.439	1	1
3180_3180	3180	3180	-67.748	13.131	0.016	-0.001	0.644	-292.486	1	1
3180_3181	3180	3181	40.063	36.718	-0.003	0.034	-0.343	191.384	1	1
3181_3181	3181	3181	-65.003	12.841	-0.003	0.045	0.815	-257.72	1	1
3181_3182	3181	3182	30.946	37.499	0.025	-0.013	-0.248	128.393	1	1
3182_3182	3182	3182	-62.098	9.446	0.004	0.008	0.86	-223.917	1	1
3182_3183	3182	3183	18.579	42.552	0.021	0.008	-0.194	42.445	1	1
3183_3183	3183	3183	-56.213	6.195	0.01	0.028	1.133	-163.354	1	1
3183_3184	3183	3184	-3.77	47.657	0.02	0.006	-0.173	-117.46	1	1
3184_3184	3184	3184	37.963	52.881	-0.009	0.085	1.144	292.245	1	1
3184_3185	3184	3185	14.422	3.538	0.004	0.03	-0.204	120.486	1	1
3185_3185	3185	3185	24.189	45.501	-0.011	0.039	1.088	78.327	1	1
3185_3186	3185	3186	13.527	5.455	-0.006	-0.017	-0.844	172.213	1	1
3186_3186	3186	3186	9.288	42.083	0.014	0.062	0.994	-63.588	1	1
3186_3187	3186	3187	29.175	8.017	-0.009	-0.039	-0.994	271.084	1	1
3187_3187	3187	3187	-16.339	35.495	0.01	0.02	1.061	-204.019	1	1
3187_3188	3187	3188	45.993	13.615	-0.012	-0.014	-1.102	334.569	1	1
3188_3188	3188	3188	-39.938	37.732	0	0.019	1.158	-322.037	1	1
3188_3189	3188	3189	60.371	13.541	0.009	-0.005	-1.091	420.981	1	1
3189_3189	3189	3189	-40.953	29.961	0.002	0.016	1.016	-313.584	1	1
3189_3190	3189	3190	55.814	17.61	0.007	-0.005	-0.93	397.948	1	1
3190_3190	3190	3190	-56.223	31.97	0.002	0.016	1.015	-402.768	1	1
3190_3191	3190	3191	66.734	17.123	0.005	0.001	-0.95	467.344	1	1
3191_3191	3191	3191	-64.881	25.9	0.003	0.019	1.014	-453.289	1	1
3191_3192	3191	3192	67.267	22.726	0.003	-0.003	-0.958	471.859	1	1
3192_3192	3192	3192	-69.186	28.916	0.004	0.014	1.029	-478.737	1	1
3192_3193	3192	3193	73.151	20.415	0.002	0.003	-0.988	506.239	1	1
3193_3193	3193	3193	-73.855	23.466	0.005	0.016	1.055	-506.897	1	1
3193_3194	3193	3194	71.841	25.766	0.001	0	-1.017	497.348	1	1
3194_3194	3194	3194	-73.398	26.484	0.009	0.011	1.09	-504.87	1	1
3194_3195	3194	3195	73.552	22.814	-0.003	0.005	-1.092	506.135	1	1
3195_3195	3195	3195	-76.106	21.176	0.009	0.013	1.156	-521.289	1	1
3195_3196	3195	3196	70.101	28.263	-0.005	0.002	-1.178	484.61	1	1
3196_3196	3196	3196	-71.741	23.489	0.013	-0.015	1.212	-495.07	1	1
3196_3197	3196	3197	66.92	25.418	-0.007	0.024	-1.303	465.27	1	1
3197_3197	3197	3197	-72.615	17.954	0.015	0.023	1.308	-498.205	1	1
3197_3198	3197	3198	59.461	31.457	-0.009	-0.014	-1.452	421.242	1	1
3198_3198	3198	3198	-63.117	18.429	0.012	0.004	1.369	-436.694	1	1
3198_3199	3198	3199	45.366	29.659	-0.007	0.01	-1.598	338.353	1	1
3199_3199	3199	3199	-68.416	14.442	0.014	-0.021	1.557	-462.762	1	1
3199_3200	3199	3200	45.606	37.533	-0.008	0.038	-1.79	352.516	1	1
3200_3200	3200	3200	-54.426	14.192	-0.007	-0.007	1.555	-380.156	1	1
3200_3201	3200	3201	22.607	35.742	0.002	0.024	-1.779	240.729	1	1
3201_3201	3201	3201	-35.236	8.719	-0.008	-0.092	2.028	-328.768	1	1
3201_3202	3201	3202	-3.481	42.291	0.008	0.139	-2.555	114.56	1	1
3202_3202	3202	3202	-18.987	6.151	0	-0.048	1.727	-227.989	1	1
3202_3203	3202	3203	-18.063	45.864	-0.024	0.088	-2.702	-20.603	1	1
3203_3203	3203	3203	-11.276	2.687	0	0.051	-0.128	-90.85	1	1
3203_3204	3203	3204	-31.888	52.988	-0.021	0.174	-2.767	-226.586	1	1
3204_3204	3204	3204	0.21	48.39	0.011	-0.011	0.964	95.467	1	1
3204_3205	3204	3205	58.896	7.569	0.038	0.069	-2.841	203.364	1	1
3205_3205	3205	3205	-20.924	43.615	0.014	0.008	0.632	-64.596	1	1
3205_3206	3205	3206	64.627	10.639	0.027	0.007	-1.971	266.47	1	1
3206_3206	3206	3206	-32.781	38.897	0.021	-0.019	0.494	-150.925	1	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3206_3207	3206	3207	67.01	13.791	0.017	0.05	-1.656	297.968	1
3207_3207	3207	3207	-41.927	37.839	0.001	0.02	0.439	-216.274	1
3207_3208	3207	3208	69.221	14.205	0.033	0.03	-1.25	330.223	1
3208_3208	3208	3208	-51.641	32.903	0.007	0.03	0.265	-282.241	1
3208_3209	3208	3209	69.818	17.733	0.027	0.018	-0.918	351.419	1
3209_3209	3209	3209	-58.035	28.237	0.014	-0.013	0.181	-323.141	1
3209_3210	3209	3210	67.915	21.743	0.02	0.069	-0.682	355.209	1
3210_3210	3210	3210	-65.691	30.866	0.012	0.039	0.223	-370.662	1
3210_3211	3210	3211	71.862	20.636	0.028	0.014	-0.464	394.58	1
3211_3211	3211	3211	-69.641	27.278	0.017	0.047	0.252	-392.03	1
3211_3212	3211	3212	71.106	23.719	0.023	0.004	-0.318	397.651	1
3212_3212	3212	3212	-71.802	23.871	0.024	-0.027	0.341	-399.808	1
3212_3213	3212	3213	69.206	27.119	0.016	0.08	-0.242	391.006	1
3213_3213	3213	3213	-72.803	20.777	0.027	0.061	0.503	-397.788	1
3213_3214	3213	3214	65.523	30.7	0.012	-0.011	-0.22	370.807	1
3214_3214	3214	3214	-69.113	21.893	0.02	-0.011	0.709	-359.448	1
3214_3215	3214	3215	58.106	28.149	0.013	0.047	-0.202	324.274	1
3215_3215	3215	3215	-71.282	17.871	0.024	0.054	0.951	-356.703	1
3215_3216	3215	3216	52.004	32.797	0.008	-0.011	-0.283	284.494	1
3216_3216	3216	3216	-70.941	14.328	0.029	0.057	1.259	-336.534	1
3216_3217	3216	3217	42.654	37.722	0.002	-0.018	-0.453	220.1	1
3217_3217	3217	3217	-68.898	13.855	0.016	0.04	1.632	-304.876	1
3217_3218	3217	3218	33.769	38.868	0.028	0.018	-0.46	155.797	1
3218_3218	3218	3218	-66.62	10.689	0.021	0.099	1.937	-273.454	1
3218_3219	3218	3219	22.181	43.572	0.022	-0.031	-0.539	70.487	1
3219_3219	3219	3219	-61.19	7.586	0.041	-0.004	2.398	-208.629	1
3219_3220	3219	3220	1	48.266	0.008	0.043	-0.781	-86.437	1
3220_3220	3220	3220	31.1	53.783	-0.021	0.235	2.353	219.102	1
3220_3221	3220	3221	11.037	3.883	0.006	0.054	0.298	94.17	1
3221_3221	3221	3221	16.349	47.008	-0.026	0.103	2.263	8.4	1
3221_3222	3221	3222	21.198	6.138	0	0.011	-1.492	234.708	1
3222_3222	3222	3222	-0.02	43.779	0.013	0.316	2.084	-137.321	1
3222_3223	3222	3223	38.407	8.579	-0.012	-0.203	-1.76	337.142	1
3223_3223	3223	3223	-28.978	37.482	0.003	-0.024	1.54	-272.573	1
3223_3224	3223	3224	59.237	13.753	-0.007	0.102	-1.324	394.234	1
3224_3224	3224	3224	-54.745	39.429	-0.001	0.212	1.585	-394.354	1
3224_3225	3224	3225	75.16	13.929	0.006	-0.157	-1.383	485.267	1
3225_3225	3225	3225	-47.848	30.933	-0.004	-0.02	1.657	-380.867	1
3225_3226	3225	3226	62.833	17.792	0.008	0.115	-1.39	466.825	1
3226_3226	3226	3226	-66.452	32.299	0	0.23	1.554	-499.112	1
3226_3227	3226	3227	75.653	18.544	0.008	-0.138	-1.429	555.557	1
3227_3227	3227	3227	-74.785	26.089	-0.001	-0.085	1.523	-551.971	1
3227_3228	3227	3228	75.691	24.303	0.009	0.176	-1.387	558.381	1
3228_3228	3228	3228	-76.132	27.89	0.006	0.225	1.47	-560.449	1
3228_3229	3228	3229	78.533	22.715	0.002	-0.132	-1.431	576.954	1
3229_3229	3229	3229	-79.147	21.853	0.005	-0.105	1.515	-579.48	1
3229_3230	3229	3230	74.664	28.75	0.004	0.192	-1.45	551.975	1
3230_3230	3230	3230	-75.872	23.159	0.009	0.199	1.532	-557.511	1
3230_3231	3230	3231	71.815	27.189	-0.003	-0.109	-1.555	533.284	1
3231_3231	3231	3231	-74.759	17.398	0.007	-0.112	1.583	-547.845	1
3231_3232	3231	3232	62.237	33.537	-0.001	0.192	-1.634	471.85	1
3232_3232	3232	3232	-77.433	19.844	-0.009	0.103	1.609	-562.206	1
3232_3233	3232	3233	66.705	33.205	0.004	-0.032	-1.668	500.306	1
3233_3233	3233	3233	-75.286	16.363	-0.008	0.065	1.48	-545.266	1
3233_3234	3233	3234	59.78	37.324	0.006	-0.011	-1.634	455.999	1
3234_3234	3234	3234	-67.36	12.579	-0.014	-0.102	2.12	-491.96	1
3234_3235	3234	3235	41.89	41.531	0.015	0.144	-2.411	356.272	1
3235_3235	3235	3235	-63.855	13.367	0.07	0.065	1.932	-478.249	1
3235_3236	3235	3236	38.958	42.285	-0.06	-0.002	-2.697	355.006	1
3236_3236	3236	3236	-57.803	11.195	0.067	-0.01	2.26	-453.986	1
3236_3237	3236	3237	29.873	45.426	-0.064	0.059	-3.001	311.413	1
3237_3237	3237	3237	-35.067	8.128	0.087	-0.262	3.811	-395.129	1
3237_3238	3237	3238	-2.32	48.373	-0.102	0.376	-5.704	135.376	1
3238_3238	3238	3238	-22.751	12.799	-0.064	0.021	4.16	-303.794	1
3238_3239	3238	3239	-10.878	40.296	0.085	0.106	-4.823	53.812	1
3239_3239	3239	3239	-14.031	8.535	-0.053	-0.174	3.019	-234.981	1
3239_3240	3239	3240	-20.048	45.728	0.089	0.269	-3.709	-65.856	1
3240_3240	3240	3240	-9.372	18.031	-0.032	-0.003	2.244	-185.394	1
3240_3241	3240	3241	-16.477	39.231	0.087	0.19	-2.863	-29.876	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3241_3241	3241	3241	-26.625	38.515	0.022	-0.022	2.63	-57.997	1
3241_3242	3241	3242	70.199	15.266	-0.01	0.062	-4.841	301.247	1
3242_3242	3242	3242	-36.916	34.445	0.027	-0.158	2.103	-154.408	1
3242_3243	3242	3243	71.089	19.752	-0.03	0.288	-4.358	327.188	1
3243_3243	3243	3243	-36.847	41.481	-0.066	0.11	1.632	-165.13	1
3243_3244	3243	3244	71.82	13.116	0.145	-0.005	-2.765	351.552	1
3244_3244	3244	3244	-47.963	35.55	-0.033	-0.012	0.501	-258.6	1
3244_3245	3244	3245	72.04	16.855	0.128	0.136	-1.193	376.323	1
3245_3245	3245	3245	-57.142	32.918	0.017	0.238	-0.064	-330.89	1
3245_3246	3245	3246	72.268	18.85	0.039	-0.095	-0.587	402.45	1
3246_3246	3246	3246	-64.7	27.498	0.035	-0.082	-0.049	-384.813	1
3246_3247	3246	3247	70.298	23.55	0.013	0.229	-0.375	407.643	1
3247_3247	3247	3247	-68.863	26.18	-0.024	0.236	0.216	-407.122	1
3247_3248	3247	3248	69.081	24.991	0.05	-0.09	0.054	413.111	1
3248_3248	3248	3248	-69.874	20.909	-0.004	-0.037	-0.013	-396.509	1
3248_3249	3248	3249	61.251	30.002	0.037	0.182	0.403	360.095	1
3249_3249	3249	3249	-71.06	18.671	0.035	0.202	0.046	-381.874	1
3249_3250	3249	3250	54.167	32.847	-0.013	-0.05	0.197	308.233	1
3250_3250	3250	3250	-72.585	14.796	0.042	-0.006	0.462	-368.363	1
3250_3251	3250	3251	45.003	38.853	-0.033	0.135	-0.306	233.666	1
3251_3251	3251	3251	-72.235	21.741	0.232	0.293	0.837	-341.586	1
3251_3252	3251	3252	44.021	30.918	-0.057	-0.106	-1.022	218.431	1
3252_3252	3252	3252	-74.982	17.484	0.277	0.055	2.991	-341.133	1
3252_3253	3252	3253	39.441	35.503	-0.099	0.032	-2.277	170.791	1
3253_3253	3253	3253	-76.216	14.049	0.288	0.001	5.35	-326.982	1
3253_3254	3253	3254	35.506	40.286	-0.131	0.077	-3.798	122.052	1
3254_3254	3254	3254	-80.26	23.836	-0.251	-0.548	7.73	-352.118	1
3254_3255	3254	3255	47.578	33.545	0.17	-0.152	-4.027	199.597	1
3255_3255	3255	3255	21.944	47.343	-0.343	0.516	5.482	96.016	1
3255_3256	3255	3256	12.691	9.55	0.179	-0.129	-1.408	215.134	1
3256_3256	3256	3256	11.187	43.792	-0.36	0.281	2.054	-54.463	1
3256_3257	3256	3257	20.698	13.142	0.228	0.095	0.293	294.691	1
3257_3257	3257	3257	7.926	50.998	0.129	0.29	-0.904	-89.762	1
3257_3258	3257	3258	30.612	7.098	-0.116	-0.221	-0.688	365.04	1
3258_3258	3258	3258	-10.184	46.809	0.127	0.17	0.421	-251.664	1
3258_3259	3258	3259	43.745	10.186	-0.12	-0.077	-1.631	453.434	1
3259_3259	3259	3259	-44.744	45.211	0.077	-0.062	0.981	-405.677	1
3259_3260	3259	3260	67.042	12.961	-0.075	0.123	-1.23	507.333	1
3260_3260	3260	3260	-39.734	44.667	0.041	0.208	1.269	-356.871	1
3260_3261	3260	3261	69.245	11.547	-0.022	-0.154	-1.38	493.648	1
3261_3261	3261	3261	-50.271	39.665	0.036	0.101	1.643	-900.212	1
3261_3262	3261	3262	74.863	14.617	-0.027	-0.052	-1.659	518.662	1
3262_3262	3262	3262	-71.018	35.607	0.021	-0.066	1.473	-466.653	1
3262_3263	3262	3263	85.164	18.774	-0.023	0.136	-1.466	534.357	1
3263_3263	3263	3263	-69.169	35.732	0.008	0.141	1.59	-457.3	1
3263_3264	3263	3264	84.593	16.933	0.004	-0.087	-1.495	534.556	1
3264_3264	3264	3264	-79.059	29.826	0.009	0.004	1.647	-514.067	1
3264_3265	3264	3265	86.149	21.851	0.003	0.049	-1.552	547.348	1
3265_3265	3265	3265	-84.371	30.579	0.007	0.17	1.704	-544.991	1
3265_3266	3265	3266	90.436	21.281	0.002	-0.106	-1.631	574.332	1
3266_3266	3266	3266	-90.178	25.03	0.006	-0.055	1.75	-578.621	1
3266_3267	3266	3267	89.791	26.771	0.004	0.118	-1.674	572.337	1
3267_3267	3267	3267	-88.908	25.858	0.013	0.125	1.77	-572.06	1
3267_3268	3267	3268	89.098	25.82	-0.005	-0.069	-1.819	569.576	1
3268_3268	3268	3268	-89.234	20.483	0.012	-0.039	1.868	-573.883	1
3268_3269	3268	3269	82.999	31.492	-0.005	0.093	-1.945	536.151	1
3269_3269	3269	3269	-82.607	20.439	0.001	0.127	1.911	-535.206	1
3269_3270	3269	3270	74.247	31.026	-0.005	-0.065	-2.083	487.73	1
3270_3270	3270	3270	-78.477	15.331	-0.002	-0.076	1.806	-509.075	1
3270_3271	3270	3271	60.243	37.215	-0.001	0.132	-2.112	409.696	1
3271_3271	3271	3271	-80.443	16.039	0.015	0.14	1.708	-517.785	1
3271_3272	3271	3272	63.923	39.114	-0.014	-0.077	-2.172	431.155	1
3272_3272	3272	3272	-65.331	12.33	0.014	0.01	2.262	-495.605	1
3272_3273	3272	3273	36.776	42.914	-0.019	0.055	-3.053	338.755	1
3273_3273	3273	3273	-57.337	9.483	0.006	-0.194	2.194	-452.244	1
3273_3274	3273	3274	21.558	47.848	-0.018	0.269	-3.142	259.737	1
3274_3274	3274	3274	-56.406	19.012	-0.091	0.101	2.184	-474.013	1
3274_3275	3274	3275	33.904	38.099	0.121	-0.043	-2.799	356.565	1
3275_3275	3275	3275	-37.218	15.334	-0.131	0.04	2.689	-420.131	1

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3275_3276	3275	3276	5.061	39.209	0.19	0.074	-2.721	216.799	1
3276_3276	3276	3276	-29.441	11.756	-0.122	-0.19	1.244	-380.503	1
3276_3277	3276	3277	-4.655	43.505	0.186	0.265	-0.945	143.614	1
3277_3277	3277	3277	-19.069	14.996	0.094	-0.382	-0.057	-294.26	1
3277_3278	3277	3278	-12.942	38.92	-0.126	0.505	-2.16	58.022	1
3278_3278	3278	3278	-13.081	11.235	0.084	-0.531	0.64	-250.097	1
3278_3279	3278	3279	-18.066	43.97	-0.115	0.701	-3.002	-2.389	1
3279_3279	3279	3279	-48.837	34.964	-0.067	1.407	1.475	-217.25	1
3279_3280	3279	3280	83.355	21.335	0.043	-1.531	-3.205	405.469	1
3280_3280	3280	3280	-42.736	40.512	0.015	0.212	0.91	-180.464	1
3280_3281	3280	3281	81.453	15.199	0.031	-0.161	-2.809	398.488	1
3281_3281	3281	3281	-39.516	34.907	0.023	0.039	0.522	-167.36	1
3281_3282	3281	3282	76.377	17.774	0.008	0.053	-2.213	366.22	1
3282_3282	3282	3282	-48.067	30.283	0.03	-0.081	0.425	-237.835	1
3282_3283	3282	3283	75.118	22.323	-0.013	0.256	-2.071	375.479	1
3283_3283	3283	3283	-39.583	30.901	-0.034	0.263	0.503	-213.354	1
3283_3284	3283	3284	61.284	19.761	0.327	-0.131	-1.708	357.02	1
3284_3284	3284	3284	-46.448	24.547	0.068	-0.122	-0.466	-275.586	1
3284_3285	3284	3285	53.992	25.896	0.234	0.327	1.363	318.844	1
3285_3285	3285	3285	-49.782	26.887	0.007	0.322	0.644	-288.132	1
3285_3286	3285	3286	51.052	22.234	-0.024	-0.134	0.622	315.7	1
3286_3286	3286	3286	-57.698	21.201	0.035	-0.16	0.876	-341.8	1
3286_3287	3286	3287	47.974	28.805	-0.051	0.34	-0.338	298.593	1
3287_3287	3287	3287	-60.324	24.072	0.071	0.296	1.264	-327.164	1
3287_3288	3287	3288	44.552	25.961	0.045	-0.1	-0.15	266.16	1
3288_3288	3288	3288	-67.824	18.702	0.133	-0.097	2.336	-359.847	1
3288_3289	3288	3289	40.13	32.362	-0.005	0.223	-0.762	212.584	1
3289_3289	3289	3289	-73.423	23.103	0.025	0.356	4.155	-384.416	1
3289_3290	3289	3290	43.303	30.368	0.066	-0.111	-1.022	228.516	1
3290_3290	3290	3290	-78.422	19.231	0.074	0.088	4.828	-407.002	1
3290_3291	3290	3291	42.127	34.989	0.037	0.023	-1.399	195.565	1
3291_3291	3291	3291	-81.021	15.888	0.123	-0.13	6.095	-408.628	1
3291_3292	3291	3292	39.365	39.587	0.004	0.191	-2.168	137.637	1
3292_3292	3292	3292	-86.952	23.198	-0.283	0.487	7.267	-464.779	1
3292_3293	3292	3293	52.654	36.173	0.142	-1.196	-2.732	250.851	1
3293_3293	3293	3293	3.528	48.69	-0.273	0.382	4.797	-103.423	1
3293_3294	3293	3294	13.804	10.442	-0.035	-0.045	-1.736	285.425	1
3294_3294	3294	3294	-4.144	43.866	-0.314	-0.077	2.796	-205.804	1
3294_3295	3294	3295	19.556	13.6	0.028	0.413	-1.607	345.912	1
3295_3295	3295	3295	-12.628	47.256	0.031	0.676	-0.331	-306.731	1
3295_3296	3295	3296	29.283	9.32	0.026	-0.434	-0.727	455.457	1
3296_3296	3296	3296	-30.825	42.864	0.027	-0.021	0.208	-519.047	1
3296_3297	3296	3297	40.741	13.723	0.007	0.177	-0.332	587.425	1
3297_3297	3297	3297	-54.641	40.322	0.017	-0.341	0.378	-637.304	1
3297_3298	3297	3298	58.232	17.41	-0.005	0.448	-0.206	649.826	1
3298_3298	3298	3298	-53.36	42.751	0.052	0.356	0.578	-607.027	1
3298_3299	3298	3299	59.167	13.671	-0.048	-0.251	-0.611	657.764	1
3299_3299	3299	3299	-63.959	38.795	0.045	0.044	1.088	-713.89	1
3299_3300	3299	3300	65.934	17.272	-0.053	0.014	-1.06	732.067	1
3300_3300	3300	3300	-60.392	35.551	0.057	-0.385	2.216	-844.1	1
3300_3301	3300	3301	60.076	20.957	-0.088	0.51	-2.356	837.57	1
3301_3301	3301	3301	-57.213	37.338	-0.053	0.715	2.521	-801.5	1
3301_3302	3301	3302	60.031	17.237	0.058	-0.507	-1.757	837.968	1
3302_3302	3302	3302	-64.302	31.312	-0.052	-0.408	1.809	-895.539	1
3302_3303	3302	3303	63.797	22.751	0.064	0.558	-1.092	889.158	1
3303_3303	3303	3303	-66.35	33.699	-0.016	0.581	1.115	-922.584	1
3303_3304	3303	3304	68.416	20.62	0.015	-0.417	-0.961	950.947	1
3304_3304	3304	3304	-72.548	28.22	-0.019	-0.399	0.838	-1004.891	1
3304_3305	3304	3305	72.122	26.668	0.019	0.541	-0.767	1000.075	1
3305_3305	3305	3305	-69.912	31.022	-0.022	0.677	0.527	-969.574	1
3305_3306	3305	3306	73.078	23.397	0.023	-0.506	-0.466	1012.537	1
3306_3306	3306	3306	-74.677	25.796	-0.024	-0.554	0.169	-1032.558	1
3306_3307	3306	3307	75.516	29.583	0.027	0.742	-0.128	1044.692	1
3307_3307	3307	3307	-70.021	29.05	-0.017	0.617	-0.165	-969.689	1
3307_3308	3307	3308	74.626	25.576	0.022	-0.475	0.195	1032.679	1
3308_3308	3308	3308	-70.299	23.358	-0.017	-0.453	-0.4	-971.807	1
3308_3309	3308	3309	73.204	31.44	0.025	0.654	0.542	1013.616	1
3309_3309	3309	3309	-64.745	26.061	-0.036	0.517	-0.571	-895.22	1
3309_3310	3309	3310	72.124	27.643	0.027	-0.419	0.892	999.042	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3310_3310	3310	3310	-58.8	19.325	-0.036	-0.308	-0.9	-811.631	1
3310_3311	3310	3311	66.294	33.325	0.031	0.52	1.327	921.086	1
3311_3311	3311	3311	-47.86	18.555	0.046	0.364	-1.091	-659.443	1
3311_3312	3311	3312	62.333	30.904	0.023	-0.351	1.677	867.498	1
3312_3312	3312	3312	-35.015	11.048	0.04	-0.226	-0.262	-480.717	1
3312_3313	3312	3313	52.49	37.364	-0.001	0.531	1.423	734.942	1
3313_3313	3313	3313	-23.295	8.746	-0.037	0.143	0.165	-319.468	1
3313_3314	3313	3314	39.562	37.237	0.062	-0.131	1.632	560.191	1
3314_3314	3314	3314	-11.305	3.645	-0.022	-0.145	-0.132	-154.823	1
3314_3315	3314	3315	17.853	45.835	0.076	0.554	2.25	266.778	1
3315_3315	3315	3315	0.325	3.269	-0.019	0.216	0.159	14.984	1
3315_3316	3315	3316	-2.532	56.455	-0.219	-0.386	0	-11.811	1
3400_3020	3400	3020	20.437	1.325	-1.488	-0.042	23.475	116.226	1
3400_3401	3400	3401	-29.335	16.536	2.071	-0.045	14.552	354.756	1
3401_3401	3401	3401	18.82	1.45	-1.129	0.133	16.033	107.242	1
3401_3402	3401	3402	-26.658	13.699	-0.764	-0.209	10.043	312.871	1
3402_3402	3402	3402	25.316	1.98	-1.409	0.025	14.969	114.762	1
3402_3403	3402	3403	-26.288	13.06	-0.699	0.114	2.304	171.057	1
3403_3403	3403	3403	31.263	2.884	0.018	0.049	-0.022	98.869	1
3403_3404	3403	3404	-22.671	10.119	-0.101	0.02	1.544	99.299	1
3404_3404	3404	3404	34.984	3.647	-0.017	0.113	0.218	81.717	1
3404_3405	3404	3405	-22.895	9.598	-0.086	0.064	0.954	30.028	1
3405_3405	3405	3405	39.743	4.995	-0.063	0.091	0.395	58.228	1
3405_3406	3405	3406	-21.403	7.574	-0.065	0.033	-0.022	-81.534	1
3406_3406	3406	3406	44.325	6.6	0.697	0.185	-0.243	-10.889	1
3406_3407	3406	3407	-20.147	6.415	0.085	0.12	0.729	-142.537	1
3407_3407	3407	3407	45.693	7.524	0.594	-0.061	5.778	-67.579	1
3407_3408	3407	3408	-20.273	6.005	0.118	-0.161	1.266	-175.937	1
3408_3408	3408	3408	13.23	0.199	-0.626	0.531	7.454	-48.804	1
3408_3409	3408	3409	-22.837	10.306	-0.893	0.082	0.7	-186.497	1
3409_3409	3409	3409	21.043	10.035	-0.684	0.042	-0.467	187.939	1
3409_3410	3409	3410	12.433	0.097	-0.27	-0.547	5.41	-46.689	1
3410_3410	3410	3410	20.033	5.904	0.1	-0.213	-1.014	174.39	1
3410_3411	3410	3411	-49.998	7.224	-0.177	-0.188	0.958	71.395	1
3411_3411	3411	3411	19.903	6.329	0.058	0.145	-0.615	141.603	1
3411_3412	3411	3412	-48.512	6.173	-0.02	-0.028	0.475	18.348	1
3412_3412	3412	3412	20.119	7.432	-0.057	0.024	-0.094	83.404	1
3412_3413	3412	3413	-49.352	4.69	0.033	-0.081	0.807	-47.767	1
3413_3413	3413	3413	20.874	9.377	-0.05	0.112	-0.972	-27.133	1
3413_3414	3413	3414	-48.392	3.385	-0.099	-0.006	-0.059	-69.738	1
3414_3414	3414	3414	22.752	9.889	-0.09	-0.047	-1.321	-96.749	1
3414_3415	3414	3415	-44.283	2.305	-0.009	-0.14	-0.152	-83.033	1
3415_3415	3415	3415	25.706	12.791	-0.674	0.001	-2.072	-166.194	1
3415_3416	3415	3416	-43.326	1.268	2.017	0.063	21.633	-92.505	1
3416_3416	3416	3416	26.328	13.416	-0.72	0.13	-9.825	-304.867	1
3416_3417	3416	3417	-36.002	0.335	1.783	-0.419	24.986	-81.492	1
3417_3417	3417	3417	27.004	16.271	2.36	-0.05	-13.08	-350.366	1
3417_3036	3417	3036	-34.552	0.405	1.391	0.065	30.498	-79.83	1
3420_3056	3420	3056	16.027	0.524	-1.142	-0.035	16.096	70.749	1
3420_3421	3420	3421	-30.416	15.376	2.467	-0.045	12.482	309.785	1
3421_3421	3421	3421	16	0.639	-0.837	0.161	11.038	68.602	1
3421_3422	3421	3422	-27.664	12.559	-0.705	0.071	8.329	272.501	1
3422_3422	3422	3422	21.831	1.08	-1.099	0.002	10.681	77.951	1
3422_3423	3422	3423	-27.274	11.907	-0.671	0.024	0.835	143.346	1
3423_3423	3423	3423	27.914	1.876	0.104	0.034	-1.179	73.183	1
3423_3424	3423	3424	-23.506	8.975	-0.035	0.005	0.673	81.339	1
3424_3424	3424	3424	32.489	2.56	0.077	0.112	-0.416	64.221	1
3424_3425	3424	3425	-21.785	8.441	-0.021	0.065	0.558	19.129	1
3425_3425	3425	3425	45.125	3.76	0.026	-0.076	-0.703	41.364	1
3425_3426	3425	3426	-21.254	6.481	-0.041	0.024	-0.073	-76.72	1
3426_3426	3426	3426	41.534	5.227	0.638	0.136	-0.781	-2.013	1
3426_3427	3426	3427	-21.111	5.344	0.105	0.05	0.833	-125.484	1
3427_3427	3427	3427	47.441	6.143	-0.018	-0.104	-0.253	-54.793	1
3427_3428	3427	3428	-21.216	4.913	0.117	-0.047	1.448	-152.786	1
3428_3428	3428	3428	-12.821	0.383	-0.193	-0.715	-6.193	41.487	1
3428_3429	3428	3429	-22.129	9.329	-0.546	0.062	0.686	-168.129	1
3429_3429	3429	3429	22.228	9.353	-0.602	0.081	-0.862	168.278	1
3429_3430	3429	3430	11.898	0.349	0.01	-0.653	6.165	-37.794	1
3430_3430	3430	3430	21.278	4.894	0.095	0.099	-1.708	152.888	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3430_3431	3430	3431	-43.153	6.367	0.683	0.066	-4.877	51.929	1
3431_3431	3431	3431	21.171	5.337	0.119	-0.034	-1.107	125.694	1
3431_3432	3431	3432	-41.874	5.469	0.643	0.103	0.711	5.109	1
3432_3432	3432	3432	21.361	6.454	-0.019	0.025	-0.087	76.94	1
3432_3433	3432	3433	-37.579	3.963	-0.089	0.084	-0.35	-49.263	1
3433_3433	3433	3433	21.936	8.401	-0.036	-0.013	-0.379	-18.513	1
3433_3434	3433	3434	-32.681	2.727	0.119	0.052	0.772	-65.929	1
3434_3434	3434	3434	23.653	8.952	-0.011	0.086	-0.661	-80.493	1
3434_3435	3434	3435	-28.021	2.019	0.084	0.092	1.326	-75.992	1
3435_3435	3435	3435	27.431	11.892	-0.715	0.106	-0.585	-142.603	1
3435_3436	3435	3436	-21.611	1.231	-1.205	0.022	-11.661	-82.705	1
3436_3436	3436	3436	27.804	12.569	-0.782	-0.191	-8.466	-271.582	1
3436_3437	3436	3437	-15.622	0.775	-0.909	0.111	-12.109	-73.457	1
3437_3437	3437	3437	30.589	15.336	2.394	-0.06	-12.878	-309.245	1
3437_3072	3437	3072	-15.649	0.641	-1.099	-0.041	-17.029	-76.079	1
3440_3094	3440	3094	14.253	0.617	-1.186	-0.029	11.798	69.028	1
3440_3441	3440	3441	-31.271	15.198	2.526	-0.049	10.671	297.483	1
3441_3441	3441	3441	14.225	0.722	-0.527	0.133	6.714	66.498	1
3441_3442	3441	3442	-27.685	12.307	-0.601	0.157	6.877	262.9	1
3442_3442	3442	3442	19.642	1.134	-0.738	0.018	6.924	74.809	1
3442_3443	3442	3443	-27.318	11.635	-0.584	0.006	0.353	136.699	1
3443_3443	3443	3443	26.621	1.853	0.071	0.079	-0.992	70.771	1
3443_3444	3443	3444	-23.621	8.668	-0.009	0.061	0.457	76.665	1
3444_3444	3444	3444	29.665	2.509	0.082	0.084	-0.517	60.635	1
3444_3445	3444	3445	-21.931	8.117	-0.018	0.029	0.33	16.892	1
3445_3445	3445	3445	34.441	3.644	-0.082	0.095	0.394	45.964	1
3445_3446	3445	3446	-21.43	6.176	-0.013	0.03	0.109	-74.327	1
3446_3446	3446	3446	38.967	5.029	0.379	0.105	-0.496	-3.184	1
3446_3447	3446	3447	-21.274	5.059	-0.012	-0.03	-0.044	-120.503	1
3447_3447	3447	3447	40.618	5.849	0.413	0.095	2.807	-45.362	1
3447_3448	3447	3448	-21.183	4.622	-0.038	0.092	-0.255	-146.893	1
3448_3448	3448	3448	-12.7	0.346	-0.08	-0.856	-4.949	41.008	1
3448_3449	3448	3449	-22.396	9.112	-0.504	-0.171	-0.956	-161.348	1
3449_3449	3449	3449	21.898	9.047	-0.542	-0.046	0.161	161.671	1
3449_3450	3449	3450	8.623	0.202	-0.154	-0.44	2.111	-28.715	1
3450_3450	3450	3450	21.18	4.647	0.001	0.04	-0.149	146.474	1
3450_3451	3450	3451	-42.424	6.15	0.67	0.055	-4.882	48.06	1
3451_3451	3451	3451	21.08	5.082	0.007	0.006	-0.127	120.636	1
3451_3452	3451	3452	-41.12	5.294	0.665	0.141	0.946	3.134	1
3452_3452	3452	3452	21.143	6.187	-0.017	0.031	-0.072	74.217	1
3452_3453	3452	3453	-36.591	3.847	-0.114	0.103	-0.413	-48.833	1
3453_3453	3453	3453	23.239	8.113	-0.011	0.051	-0.359	-18.656	1
3453_3454	3453	3454	-31.666	2.645	0.088	0.104	0.551	-64.375	1
3454_3454	3454	3454	23.045	8.65	-0.015	0.045	-0.429	-77.18	1
3454_3455	3454	3455	-28.751	1.942	0.091	0.075	1.191	-75.328	1
3455_3455	3455	3455	26.554	11.591	-0.554	0.063	-0.381	-137.264	1
3455_3456	3455	3456	-21.99	1.159	-0.888	0.034	-8.314	-80.068	1
3456_3456	3456	3456	26.895	12.242	-0.591	-0.03	-6.5	-262.99	1
3456_3457	3456	3457	-16.303	0.697	-0.675	0.121	-8.733	-71.089	1
3457_3457	3457	3457	29.499	15.122	2.547	-0.045	-10.026	-299.621	1
3457_3110	3457	3110	-16.735	0.575	-1.177	-0.039	-14.132	-74.398	1
3460_3132	3460	3132	-19.086	1.201	0.083	-0.022	8.251	-30.259	1
3460_3461	3460	3461	-38.447	17.15	2.41	-0.043	9.042	286.417	1
3461_3461	3461	3461	9.113	1.503	-0.376	0.135	4.664	67.425	1
3461_3462	3461	3462	-32.953	12.686	-0.409	0.327	6.048	260.62	1
3462_3462	3462	3462	12.78	1.757	-0.484	-0.005	4.476	68.15	1
3462_3463	3462	3463	-29.923	11.949	-0.397	-0.059	1.226	136.001	1
3463_3463	3463	3463	16.742	2.318	0.07	0.042	-0.983	52.578	1
3463_3464	3463	3464	-25.898	9.086	-0.014	0.045	0.481	74.632	1
3464_3464	3464	3464	21.211	2.758	0.081	0.055	-0.54	39.691	1
3464_3465	3464	3465	-25.472	8.492	-0.016	0.026	0.356	13.681	1
3465_3465	3465	3465	53.037	3.699	0.002	-0.061	-0.585	60.381	1
3465_3466	3465	3466	-23.538	6.612	-0.013	0.03	0.144	-81.716	1
3466_3466	3466	3466	55.543	5.361	0.313	-0.046	-0.618	9.769	1
3466_3467	3466	3467	-21.952	5.586	-0.004	0.025	0.101	-132.533	1
3467_3467	3467	3467	56.932	6.521	0.303	-0.097	2.146	-36.267	1
3467_3468	3467	3468	-21.458	5.141	0.006	-0.001	0.187	-161.365	1
3468_3468	3468	3468	-17.826	1.209	0.394	-0.36	-2.475	35.097	1
3468_3469	3468	3469	-43.239	11.07	-0.434	0.004	-3.069	-132.091	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3469_3469	3469	3469	40.61	11.149	-0.5	0.12	2.462	142.489	1
3469_3470	3469	3470	16.831	1.631	0.284	-0.239	1.501	-19.082	1
3470_3470	3470	3470	22.261	5.328	-0.01	0.026	0.036	163.086	1
3470_3471	3470	3471	-37.376	6.566	-0.008	0.083	0.332	77.277	1
3471_3471	3471	3471	22.147	5.785	-0.007	0.006	-0.008	133.471	1
3471_3472	3471	3472	-36.746	5.802	-0.007	0.064	0.221	26.804	1
3472_3472	3472	3472	23.418	6.958	-0.024	0.032	-0.033	81.092	1
3472_3473	3472	3473	-33.253	4.547	-0.048	0.071	-0.247	-36.373	1
3473_3473	3473	3473	24.529	9.013	-0.023	0.041	-0.379	-19.636	1
3473_3474	3473	3474	-30.369	3.472	0.06	0.074	0.376	-59.808	1
3474_3474	3474	3474	24.882	9.589	-0.025	0.045	-0.543	-84.457	1
3474_3475	3474	3475	-26.555	2.807	0.06	0.056	0.797	-76.786	1
3475_3475	3475	3475	28.671	12.699	-0.418	-0.165	-0.673	-150.379	1
3475_3476	3475	3476	-23.122	2.039	-0.661	-0.044	-6.268	-95.647	1
3476_3476	3476	3476	31.513	13.396	-0.385	0.668	-5.772	-283.493	1
3476_3477	3476	3477	-19.11	1.536	-0.598	0.302	-7.307	-94.039	1
3477_3477	3477	3477	32.374	16.367	2.804	-0.037	-7.617	-328.053	1
3477_3148	3477	3148	-19.16	1.441	-0.563	-0.031	-9.874	-99.946	1
3480_3168	3480	3168	15.185	1.122	-0.501	-0.03	8.582	79.085	1
3480_3481	3480	3481	-34.831	16.709	2.395	-0.062	6.904	336.361	1
3481_3481	3481	3481	14.435	1.208	-0.495	0.18	6.087	73.101	1
3481_3482	3481	3482	-33.804	13.772	-0.381	0.415	5.173	290.676	1
3482_3482	3482	3482	18.331	1.596	-0.566	-0.019	5.231	75.262	1
3482_3483	3482	3483	-30.766	13.03	-0.386	-0.098	0.5	154.495	1
3483_3483	3483	3483	24.072	2.263	0.063	0.046	-0.865	62.908	1
3483_3484	3483	3484	-26.711	9.931	-0.01	0.046	0.456	86.609	1
3484_3484	3484	3484	27.229	2.869	0.069	0.052	-0.427	48.971	1
3484_3485	3484	3485	-26.316	9.304	-0.013	0.023	0.357	19.819	1
3485_3485	3485	3485	31.928	3.909	-0.043	0.057	0.224	30.713	1
3485_3486	3485	3486	-24.507	7.254	-0.016	0.027	0.129	-85.462	1
3486_3486	3486	3486	35.536	5.194	0.022	0.065	-0.221	-23.478	1
3486_3487	3486	3487	-23.546	6.087	0	0.025	0.17	-140.528	1
3487_3487	3487	3487	36.979	5.941	0	0.057	-0.149	-67.556	1
3487_3488	3487	3488	-23.272	5.607	0.007	-0.001	0.227	-171.879	1
3488_3488	3488	3488	-19.345	1.782	0.178	-0.302	-2.168	24.075	1
3488_3489	3488	3489	-43.92	11.79	-0.588	0.101	-2.822	-146.536	1
3489_3489	3489	3489	45.732	12.075	-0.478	0.041	2.936	148.661	1
3489_3490	3489	3490	16.99	1.473	0.469	-0.39	2.762	-27.113	1
3490_3490	3490	3490	23.967	5.588	0.006	0.023	-0.111	173.121	1
3490_3491	3490	3491	-59.851	5.865	0.267	-0.08	-1.831	20.873	1
3491_3491	3491	3491	24.284	6.081	0.005	0.004	-0.038	141.911	1
3491_3492	3491	3492	-31.947	5.094	-0.05	0.047	0.111	28.901	1
3492_3492	3492	3492	25.425	7.299	-0.029	0.024	0.015	87.086	1
3492_3493	3492	3493	-28.33	3.957	-0.035	0.051	-0.216	-25.45	1
3493_3493	3493	3493	27.467	9.422	-0.029	0.033	-0.415	-18.636	1
3493_3494	3493	3494	-23.649	3.04	0.048	0.051	0.283	-44.432	1
3494_3494	3494	3494	27.899	10.054	-0.03	0.04	-0.619	-86.344	1
3494_3495	3494	3495	-18.99	2.543	0.043	0.037	0.563	-58.598	1
3495_3495	3495	3495	32.214	13.206	-0.373	0.101	-0.825	-154.941	1
3495_3496	3495	3496	-14.913	1.971	-0.411	0.035	-3.857	-76.136	1
3496_3496	3496	3496	35.381	13.998	-0.45	-0.167	-5.123	-293.116	1
3496_3497	3496	3497	-11.107	1.659	-0.29	0.009	-3.801	-75.29	1
3497_3497	3497	3497	36.363	16.9	2.431	-0.044	-7.333	-339.598	1
3497_3184	3497	3184	-11.823	1.581	-0.707	-0.019	-7.08	-83.2	1
3500_3204	3500	3204	12.835	0.355	-1.013	-0.049	12.442	55.643	1
3500_3501	3500	3501	-30.358	16.648	1.896	-0.072	7.698	362.85	1
3501_3501	3501	3501	12.82	0.447	-0.6	0.09	8.078	54.2	1
3501_3502	3501	3502	-30.419	13.963	-0.454	-0.234	5.506	314.156	1
3502_3502	3502	3502	18.833	0.836	-0.813	0.031	7.978	65.667	1
3502_3503	3502	3503	-28.988	13.252	-0.379	0.111	1.137	171.713	1
3503_3503	3503	3503	44.249	1.612	-0.062	-0.11	0.79	71.572	1
3503_3504	3503	3504	-25.471	10.382	-0.045	-0.008	0.823	98.892	1
3504_3504	3504	3504	49.885	2.716	-0.123	-0.044	0.327	64.999	1
3504_3505	3504	3505	-23.446	9.81	-0.021	0.09	0.704	26.37	1
3505_3505	3505	3505	50.613	4.077	0.048	-0.092	-0.753	48.547	1
3505_3506	3505	3506	-22.404	7.811	-0.036	0.03	0.129	-89.441	1
3506_3506	3506	3506	51.129	5.66	-0.129	-0.103	-0.156	-7.175	1
3506_3507	3506	3507	-22.005	6.633	0.124	0.037	1.255	-150.156	1
3507_3507	3507	3507	53.004	6.727	-0.168	-0.083	-1.543	-54.944	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3507_3508	3507	3508	-22.137	6.179	0.127	-0.011	1.951	-184.497	1
3508_3508	3508	3508	-13.527	0.347	0.671	-1.209	-9.317	37.493	1
3508_3509	3508	3509	-23.058	10.738	-0.704	0.159	1.117	-200.615	1
3509_3509	3509	3509	23.408	10.834	-0.679	0.15	-1.098	201.966	1
3509_3510	3509	3510	13.774	0.616	-0.18	-1.196	6.954	-38.943	1
3510_3510	3510	3510	22.178	6.216	0.116	0.009	-1.686	185.575	1
3510_3511	3510	3511	-47.645	6.743	0.618	0.035	-4.837	53.692	1
3511_3511	3511	3511	22.259	6.671	0.127	0.009	-1.094	150.262	1
3511_3512	3511	3512	-45.927	5.781	0.626	0.126	0.583	5.043	1
3512_3512	3512	3512	23.485	7.91	-0.053	0.03	0.077	87.707	1
3512_3513	3512	3513	-40.95	4.115	-0.083	0.09	-0.4	-51.184	1
3513_3513	3513	3513	25.855	9.96	-0.049	0.041	-0.744	-29.149	1
3513_3514	3513	3514	-34.74	2.778	0.046	0.088	0.173	-67.418	1
3514_3514	3514	3514	25.618	10.558	-0.051	0.055	-1.089	-100.98	1
3514_3515	3514	3515	-30.95	2.014	0.048	0.073	0.534	-78.277	1
3515_3515	3515	3515	30.169	13.454	-0.376	0.052	-1.418	-174.65	1
3515_3516	3515	3516	-21.812	1.173	-0.729	0.027	-7.258	-80.992	1
3516_3516	3516	3516	30.617	14.18	-0.403	0.055	-5.644	-320.514	1
3516_3517	3516	3517	-15.689	0.721	-0.538	0.125	-7.188	-71.117	1
3517_3517	3517	3517	33.653	16.743	1.751	-0.098	-7.71	-362.87	1
3517_3220	3517	3220	-16.491	0.592	-1.219	-0.038	-12.564	-75.482	1
3520_3241	3520	3241	17.028	0.629	-0.249	-0.398	10.529	73.462	1
3520_3521	3520	3521	-39.57	17.464	0.506	0.106	11.616	399.077	1
3521_3521	3521	3521	15.836	0.736	-0.664	0.038	9.014	68.055	1
3521_3522	3521	3522	-38.586	15.317	-1.029	-0.595	7.66	346.727	1
3522_3522	3522	3522	23.457	1.207	-0.895	0.05	8.644	80.014	1
3522_3523	3522	3523	-38.94	14.398	-0.943	0.091	-2.395	189.489	1
3523_3523	3523	3523	31.542	1.941	0.07	-0.034	-0.99	75.215	1
3523_3524	3523	3524	-34.638	11.524	0.08	-0.201	-1.552	108.102	1
3524_3524	3524	3524	52.531	2.905	-0.066	0.018	-0.226	71.149	1
3524_3525	3524	3525	-34.9	10.702	0.183	0.193	-0.112	30.972	1
3525_3525	3525	3525	53.925	4.409	0.061	-0.091	-0.923	53.9	1
3525_3526	3525	3526	-32.682	8.516	0.143	0.044	2.159	-94.787	1
3526_3526	3526	3526	55.074	6.234	-0.717	-0.07	-0.328	-6.095	1
3526_3527	3526	3527	-30.646	6.976	0.126	0.238	3.355	-161.987	1
3527_3527	3527	3527	56.732	7.407	-0.906	-0.071	-7.157	-59.124	1
3527_3528	3527	3528	-30.786	6.33	0.194	-0.229	4.254	-197.135	1
3528_3528	3528	3528	-15.514	0.557	-0.117	-0.544	-3.449	45.829	1
3528_3529	3528	3529	-31.293	12.779	-0.983	0.739	5.606	-217.258	1
3529_3529	3529	3529	32.128	12.614	0.135	-0.488	3.969	216.777	1
3529_3530	3529	3530	13.518	0.556	0.082	-1.616	14.197	-40.901	1
3530_3530	3530	3530	30.659	6.172	0.134	-0.281	1.326	198.287	1
3530_3531	3530	3531	-61.311	7.564	1.001	-0.337	-10.462	50.481	1
3531_3531	3531	3531	30.522	6.821	0.066	0.081	1.889	164.016	1
3531_3532	3531	3532	-59.732	6.292	1.181	0.012	-0.212	-2.84	1
3532_3532	3532	3532	32.117	8.181	-0.164	-0.007	2.178	99.933	1
3532_3533	3532	3533	-45.045	4.439	-0.112	0.108	-1.3	-55.629	1
3533_3533	3533	3533	35.365	10.1	-0.197	0.062	-0.364	-22.29	1
3533_3534	3533	3534	-39.473	2.943	-0.057	0.121	-1.54	-73.45	1
3534_3534	3534	3534	35.982	10.942	-0.218	0.044	-1.777	-95.384	1
3534_3535	3534	3535	-33.664	2.073	-0.029	0.102	-1.597	-82.634	1
3535_3535	3535	3535	39.419	13.475	-0.476	0.359	-3.251	-173.164	1
3535_3536	3535	3536	-25.781	1.054	-0.731	0.113	-9.3	-85.746	1
3536_3536	3536	3536	40.256	14.465	-0.646	-0.698	-8.367	-318.866	1
3536_3537	3536	3537	-17.426	0.517	-0.445	-0.014	-8.106	-69.919	1
3537_3537	3537	3537	48.281	19.622	-0.072	0.128	-13.123	-343.054	1
3537_3255	3537	3255	17.38	1.203	-0.257	-0.179	-13.208	24.975	1
3540_3279	3540	3279	-19.573	1.109	-0.597	-0.404	9.42	-33.253	1
3540_3541	3540	3541	-49.027	18.897	-1.796	-1.269	-6.718	374.207	1
3541_3541	3541	3541	18.927	0.46	-0.162	-0.055	0.633	62.428	1
3541_3542	3541	3542	-42.888	14.882	-0.019	-0.714	-7.353	344.798	1
3542_3542	3542	3542	24.984	0.982	-0.218	0.046	-0.075	73.543	1
3542_3543	3542	3543	-43.227	13.868	0.041	-0.01	-6.765	193.312	1
3543_3543	3543	3543	51.832	1.883	0.059	-0.153	-0.862	85.606	1
3543_3544	3543	3544	-40.122	11.396	0.309	-0.14	-3.987	111.58	1
3544_3544	3544	3544	56.815	3.141	-0.007	-0.06	-0.424	76.609	1
3544_3545	3544	3545	-38.769	10.489	0.351	0.079	-1.308	34.817	1
3545_3545	3545	3545	57.865	4.845	0.01	-0.072	-0.782	57.19	1
3545_3546	3545	3546	-35.62	8.521	0.329	0.069	3.915	-93.425	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3546_3546	3546	3546	59.49	7.034	-1.674	-0.082	-1.084	-9.438	1
3546_3547	3546	3547	-33.872	7.039	0.121	0.316	5.04	-159.589	1
3547_3547	3547	3547	61.562	8.335	-1.874	0.099	-16.469	-69.293	1
3547_3548	3547	3548	-34.016	6.308	0.195	-0.172	5.952	-194.597	1
3548_3548	3548	3548	-16.772	0.607	-0.52	0.347	5.272	52.087	1
3548_3549	3548	3549	-36.961	13.799	-1.402	1.728	11.649	-207.022	1
3549_3549	3549	3549	36.891	13.578	0.342	-1.729	11.35	211.358	1
3549_3550	3549	3550	14.15	0.126	0.241	0.459	-3.182	-42.665	1
3550_3550	3550	3550	34.494	5.953	0.031	-0.36	5.089	195.717	1
3550_3551	3550	3551	-53.183	8.558	-1.517	0.131	12.829	63.472	1
3551_3551	3551	3551	34.988	6.747	-0.154	0.052	5.643	160.055	1
3551_3552	3551	3552	-53.369	7.349	-1.33	0.048	1.534	1.619	1
3552_3552	3552	3552	36.779	8.396	-0.355	-0.028	4.021	100.277	1
3552_3553	3552	3553	-47.699	5.366	-0.342	0.142	-3.293	-68.693	1
3553_3553	3553	3553	40.209	10.455	-0.332	0.157	-1.472	-22.701	1
3553_3554	3553	3554	-41.727	3.618	-0.221	0.228	-4.655	-89.653	1
3554_3554	3554	3554	42.479	11.5	-0.433	0.021	-3.915	-97.15	1
3554_3555	3554	3555	-37.409	2.6	-0.11	0.111	-5.053	-102.756	1
3555_3555	3555	3555	43.856	14.116	-0.344	0.114	-7.052	-177.217	1
3555_3556	3555	3556	-26.352	1.348	-0.407	0.074	-8.674	-103.208	1
3556_3556	3556	3556	46.97	15.401	-0.358	0.57	-11.198	-322.601	1
3556_3557	3556	3557	-18.299	0.74	-0.296	0.282	-7.482	-86.714	1
3557_3557	3557	3557	50.297	19.016	0.796	0.544	-12.541	-358.083	1
3557_3293	3557	3293	12.902	0.25	-0.302	-0.144	6.133	43.644	1
43000_3000	43000	3000	0.982	49.93	-0.424	0.79	0	7.275	1
43000_3001	43000	3001	0.351	3.645	-0.615	1.008	-9.175	-51.435	1
43001_3001	43001	3001	1.131	41.587	-0.526	0.118	-7.832	-611.909	1
43001_3002	43001	3002	-0.3	7.566	0.1	0.2	2.515	355.233	1
43002_3002	43002	3002	1.245	39.481	0.653	1.599	-15.631	-835.152	1
43002_3003	43002	3003	-0.42	9.217	-0.17	-0.503	2.047	505.413	1
43003_3003	43003	3003	1.297	31.999	0.726	-0.339	-8.398	-1054.541	1
43003_3004	43003	3004	-0.681	16.509	-0.285	0.659	-0.149	717.906	1
43004_3004	43004	3004	1.307	34.901	0.236	1.264	0.74	-1158.154	1
43004_3005	43004	3005	-0.95	17.732	-0.1	-0.583	-1.32	957.518	1
43005_3005	43005	3005	1.3	28.322	0.263	0.046	4.303	-1274.921	1
43005_3006	43005	3006	-1.136	25.355	-0.138	0.411	-3.49	1089.588	1
43006_3006	43006	3006	1.28	32.535	0.197	2.028	8.509	-1305.99	1
43006_3007	43006	3007	-1.24	22.43	-0.121	-1.36	-5.948	1220.402	1
43007_3007	43007	3007	1.257	26.144	0.209	-0.592	12.05	-1373.847	1
43007_3008	43007	3008	-1.291	29.125	-0.141	1.023	-8.931	1256.803	1
43008_3008	43008	3008	1.235	30.345	0.188	1.082	15.773	-1362.716	1
43008_3009	43008	3009	-1.305	24.941	-0.148	-0.797	-12.23	1326.151	1
43009_3009	43009	3009	1.215	23.972	0.193	-0.172	19.124	-1390.595	1
43009_3010	43009	3010	-1.298	31.471	-0.161	0.406	-15.824	1311.199	1
43010_3010	43010	3010	1.198	27.842	0.227	1.562	22.32	-1341.813	1
43010_3011	43010	3011	-1.28	27.367	-0.206	-1.21	-20.006	1332.129	1
43011_3011	43011	3011	1.18	21.496	0.224	-0.88	25.621	-1330.535	1
43011_3012	43011	3012	-1.258	33.922	-0.214	1.237	-24.24	1270.234	1
43012_3012	43012	3012	1.158	24.679	0.285	0.579	28.49	-1240.451	1
43012_3013	43012	3013	-1.237	30.238	-0.272	-0.328	-29.04	1240.117	1
43013_3013	43013	3013	1.113	18.478	0.265	-0.502	31.303	-1194.04	1
43013_3014	43013	3014	-1.218	36.878	-0.28	0.8	-33.778	1127.202	1
43014_3014	43014	3014	1.014	18.42	0.302	0.66	32.636	-976.973	1
43014_3015	43014	3015	-1.201	34.021	-0.332	-0.282	-40.278	891.689	1
43015_3015	43015	3015	0.819	14.405	0.309	-1.395	36.156	-1039.957	1
43015_3016	43015	3016	-1.558	43.375	-0.306	1.824	-43.141	944.376	1
43016_3016	43016	3016	0.434	15.239	-0.127	0.679	35.951	-836.823	1
43016_3017	43016	3017	-2.174	39.619	-0.023	-0.379	-43.367	703.194	1
43017_3017	43017	3017	0.22	8.828	-0.097	-1.06	30.951	-651.662	1
43017_3018	43017	3018	-3.441	46.384	0.037	1.642	-41.251	405.593	1
43018_3018	43018	3018	0.052	6.032	-0.076	0.239	26.602	-435.451	1
43018_3019	43018	3019	-4.739	49.122	-0.232	0.193	-41.285	134.4	1
43019_3019	43019	3019	0.194	1.647	-0.174	-0.793	20.813	-197.362	1
43019_3020	43019	3020	-6.697	56.628	-0.199	1.656	-40.248	-239.474	1
43020_3020	43020	3020	-21.224	51.394	0.075	0.18	18.157	182.791	1
43020_3021	43020	3021	50.603	8.201	0.73	0.284	-47.188	367.632	1
43021_3021	43021	3021	-17.766	46.134	0.246	-0.219	13.331	-86.113	1
43021_3022	43021	3022	44.63	11.524	0.501	0.882	-38.367	462.146	1
43022_3022	43022	3022	-15.203	40.82	0.362	-0.04	10.557	-229.079	1

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43022_3023	43022	3023	39.672	15.019	0.362	0.75	-32.097	505.367	1
43023_3023	43023	3023	-13.494	40.109	-0.121	0.219	9.144	-334.414	1
43023_3024	43023	3024	34.223	15.162	0.657	0.517	-24.147	553.332	1
43024_3024	43024	3024	-12.607	34.596	-0.014	0.358	4.628	-443.866	1
43024_3025	43024	3025	28.893	19.071	0.565	0.361	-17.214	581.824	1
43025_3025	43025	3025	-12.54	29.447	0.105	-0.175	1.726	-509.638	1
43025_3026	43025	3026	23.856	23.56	0.441	1.041	-11.848	579.647	1
43026_3026	43026	3026	-13.007	33.071	0.16	1.495	1.056	-585.399	1
43026_3027	43026	3027	19.769	21.725	0.524	-0.458	-7.374	642.296	1
43027_3027	43027	3027	-13.895	29.069	0.279	0.367	1.015	-623.187	1
43027_3028	43027	3028	17.255	25.122	0.404	0.538	-4.377	644.824	1
43028_3028	43028	3028	-15.228	25.282	0.375	0.534	2.242	-636.807	1
43028_3029	43028	3029	15.36	28.899	0.311	0.366	-2.435	630.228	1
43029_3029	43029	3029	-17.087	21.873	0.492	-0.45	4.527	-633.157	1
43029_3030	43029	3030	13.962	32.893	0.191	1.5	-1.745	591.627	1
43030_3030	43030	3030	-20.194	23.655	0.432	1.261	8.12	-567.872	1
43030_3031	43030	3031	13.015	29.319	0.128	-0.257	-1.683	514.293	1
43031_3031	43031	3031	-24.059	19.153	0.55	0.621	12.763	-568.093	1
43031_3032	43031	3032	12.475	34.477	0.008	0.216	-3.697	447.467	1
43032_3032	43032	3032	-28.164	15.224	0.674	0.032	18.89	-536.711	1
43032_3033	43032	3033	12.745	39.987	-0.113	0.808	-7.436	336.423	1
43033_3033	43033	3033	-32.382	15.143	0.33	1.466	26.458	-485.518	1
43033_3034	43033	3034	13.792	40.697	0.404	-0.504	-7.8	229.396	1
43034_3034	43034	3034	-36.217	11.621	0.559	0.039	32.047	-438.755	1
43034_3035	43034	3035	15.613	45.995	0.249	0.272	-9.955	84.47	1
43035_3035	43035	3035	-40.847	8.242	0.705	0.667	41.045	-340.406	1
43035_3036	43035	3036	18.195	51.246	0.138	0.09	-13.564	-185.892	1
43036_3036	43036	3036	22.886	54.784	-0.138	1.402	31.103	318.794	1
43036_3037	43036	3037	4.394	4.129	0.08	0.6	0.274	195.825	1
43037_3037	43037	3037	22.545	47.415	-0.178	0.519	32.055	-2.992	1
43037_3038	43037	3038	-8.092	6.862	-0.119	0.007	-21.762	385.686	1
43038_3038	43038	3038	21.867	44.648	0.202	1.697	32.369	-221.718	1
43038_3039	43038	3039	-11.287	9.587	-0.165	-1.015	-25.876	571.6	1
43039_3039	43039	3039	20.438	38.055	0.119	0.047	36.545	-469.044	1
43039_3040	43039	3040	-14.657	15.825	-0.213	0.529	-31.278	720.164	1
43040_3040	43040	3040	19.375	41.419	-0.234	1.402	38.18	-674.986	1
43040_3041	43040	3041	-17.249	15.196	0.328	-0.912	-31.29	884.699	1
43041_3041	43041	3041	17.677	32.041	-0.217	0.373	36.26	-592.493	1
43041_3042	43041	3042	-18.564	19.212	0.338	0.198	-27.418	783.242	1
43042_3042	43042	3042	16.613	34.977	-0.056	0.912	32.474	-789.953	1
43042_3043	43042	3043	-19.576	18.637	0.13	-0.385	-28.759	933.094	1
43043_3043	43043	3043	15.735	27.976	-0.044	0.129	31.425	-888.99	1
43043_3044	43043	3044	-19.457	25.04	0.131	0.436	-28.663	933.816	1
43044_3044	43044	3044	15.171	31.568	0.033	1.389	30.353	-911.872	1
43044_3045	43044	3045	-18.684	21.56	0.05	-0.73	-29.311	982.073	1
43045_3045	43045	3045	14.939	24.671	0.032	-0.489	30.155	-971.6	1
43045_3046	43045	3046	-17.683	28.246	0.06	1.165	-29.553	956.263	1
43046_3046	43046	3046	14.972	28.445	0.053	0.158	29.702	-957.871	1
43046_3047	43046	3047	-16.635	24.383	0.05	0.254	-29.848	974.356	1
43047_3047	43047	3047	15.105	21.713	0.077	0.172	29.493	-985.058	1
43047_3048	43047	3048	-15.763	31.285	0.024	0.247	-30.243	918.005	1
43048_3048	43048	3048	15.171	25.076	0.109	-0.108	29.215	-937.712	1
43048_3049	43048	3049	-15.191	27.634	-0.012	0.498	-31.138	899.674	1
43049_3049	43049	3049	14.795	18.632	0.128	0.053	29.15	-936.982	1
43049_3050	43049	3050	-14.961	34.69	-0.043	0.345	-32.149	803.741	1
43050_3050	43050	3050	13.492	19.14	0.289	0.048	27.968	-787.269	1
43050_3051	43050	3051	-15.002	31.695	-0.165	0.429	-35.299	609.968	1
43051_3051	43051	3051	12.248	15.047	0.296	-0.632	31.138	-883.491	1
43051_3052	43051	3052	-15.547	41.269	-0.192	1.061	-37.12	682.22	1
43052_3052	43052	3052	9.918	15.891	-0.22	0.232	30.95	-722.107	1
43052_3053	43052	3053	-16.115	37.71	0.142	0.218	-35.393	475.939	1
43053_3053	43053	3053	7.08	9.518	-0.16	-0.914	25.534	-581.397	1
43053_3054	43053	3054	-17.068	44.474	0.201	1.547	-31.497	229.643	1
43054_3054	43054	3054	4.569	6.674	-0.051	0.161	21.467	-398.393	1
43054_3055	43054	3055	-17.433	47.372	-0.285	0.554	-32.72	7.47	1
43055_3055	43055	3055	-11.963	3.363	-0.038	0.637	-5.928	-173.365	1
43055_3056	43055	3056	-17.815	54.973	-0.231	1.587	-32.952	-319.705	1
43056_3056	43056	3056	-21.184	50.785	0.174	0.091	11.971	121.493	1
43056_3057	43056	3057	44.899	8.168	0.592	0.488	-37.369	357.207	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist.	Fact
43057_3057	43057	3057	-18.423	45.508	0.317	-0.194	9.102	-144.756	1	1
43057_3058	43057	3058	40.127	11.695	0.393	0.909	-30.106	459.13	1	1
43058_3058	43058	3058	-16.395	40.222	0.421	-0.028	7.828	-286.311	1	1
43058_3059	43058	3059	36.178	15.324	0.265	0.775	-25.244	513.33	1	1
43059_3059	43059	3059	-15.093	39.754	-0.144	0.545	7.837	-388.104	1	1
43059_3060	43059	3060	31.755	15.493	0.572	0.286	-18.634	569.382	1	1
43060_3060	43060	3060	-14.492	34.327	-0.041	-0.057	3.96	-495.279	1	1
43060_3061	43060	3061	27.417	19.469	0.467	0.911	-13.172	604.402	1	1
43061_3061	43061	3061	-14.611	29.258	0.047	0.141	1.515	-558.046	1	1
43061_3062	43061	3062	23.321	23.997	0.397	0.76	-8.656	606.851	1	1
43062_3062	43062	3062	-15.165	32.978	0.181	0.532	0.771	-631.693	1	1
43062_3063	43062	3063	20.03	22.113	0.392	0.406	-5.37	674.422	1	1
43063_3063	43063	3063	-16.104	29.031	0.262	0.653	1.2	-667.811	1	1
43063_3064	43063	3064	18.016	25.505	0.314	0.264	-3.129	678.993	1	1
43064_3064	43064	3064	-17.458	25.292	0.34	0.775	2.565	-679.806	1	1
43064_3065	43064	3065	16.52	29.257	0.234	0.102	-1.799	665.895	1	1
43065_3065	43065	3065	-19.319	21.921	0.444	-0.241	4.798	-674.617	1	1
43065_3066	43065	3066	15.442	33.212	0.128	1.217	-1.561	628.857	1	1
43066_3066	43066	3066	-22.409	23.807	0.401	1.038	8.199	-606.221	1	1
43066_3067	43066	3067	14.75	29.42	0.04	0.012	-2.207	553.453	1	1
43067_3067	43067	3067	-26.292	19.293	0.471	1.216	12.564	-603.422	1	1
43067_3068	43067	3068	14.45	34.508	-0.048	-0.252	-4.518	489.26	1	1
43068_3068	43068	3068	-30.402	15.353	0.61	-0.202	17.858	-569.112	1	1
43068_3069	43068	3069	14.871	39.953	-0.168	1.138	-8.388	381.331	1	1
43069_3069	43069	3069	-34.625	15.244	0.293	1.3	24.623	-513.755	1	1
43069_3070	43069	3070	16.001	40.338	0.39	-0.264	-8.389	278.28	1	1
43070_3070	43070	3070	-38.373	11.652	0.463	0.737	29.543	-461.945	1	1
43070_3071	43070	3071	17.846	45.637	0.263	-0.006	-9.921	136.533	1	1
43071_3071	43071	3071	-42.925	8.188	0.659	0.382	37.148	-363.362	1	1
43071_3072	43071	3072	20.413	50.916	0.118	0.266	-13.166	-130.952	1	1
43072_3072	43072	3072	19.049	54.561	-0.216	1.461	31.842	283.829	1	1
43072_3073	43072	3073	2.781	3.748	0.048	0.507	-4.992	157.202	1	1
43073_3073	43073	3073	18.195	46.969	-0.26	0.584	31.347	-53.432	1	1
43073_3074	43073	3074	-5.898	6.717	-0.051	-0.042	-21.417	398.192	1	1
43074_3074	43074	3074	17.09	44.11	0.115	1.916	29.97	-284.768	1	1
43074_3075	43074	3075	-8.536	9.569	-0.094	-1.163	-24.349	586.461	1	1
43075_3075	43075	3075	15.325	37.39	0.064	-0.051	32.7	-540.465	1	1
43075_3076	43075	3076	-11.367	16.048	-0.113	0.697	-27.991	732.458	1	1
43076_3076	43076	3076	14.088	41.137	-0.078	2.152	33.538	-755.247	1	1
43076_3077	43076	3077	-13.473	15.112	0.145	-1.553	-28.903	902.835	1	1
43077_3077	43077	3077	12.316	32.436	-0.115	0.027	32.968	-727.312	1	1
43077_3078	43077	3078	-14.392	19.273	0.148	0.67	-27.934	847.943	1	1
43078_3078	43078	3078	11.313	35.345	-0.104	0.443	30.858	-904.399	1	1
43078_3079	43078	3079	-14.854	18.706	0.154	-0.039	-28.062	999.585	1	1
43079_3079	43079	3079	10.527	28.846	-0.082	0.529	29.262	-1001.03	1	1
43079_3080	43079	3080	-14.528	24.774	0.156	-0.12	-27.339	1017.926	1	1
43080_3080	43080	3080	10.029	32.661	-0.014	0.886	27.934	-1027.268	1	1
43080_3081	43080	3081	-13.632	21.321	0.06	-0.385	-27.326	1080.742	1	1
43081_3081	43081	3081	9.846	26.238	-0.007	-0.091	27.336	-1089.951	1	1
43081_3082	43081	3082	-12.562	27.576	0.063	0.584	-27.104	1077.081	1	1
43082_3082	43082	3082	10.01	29.85	0.046	0.728	26.784	-1064.624	1	1
43082_3083	43082	3083	-11.532	23.509	0.02	-0.234	-27.222	1095.17	1	1
43083_3083	43083	3083	10.495	23.069	0.051	-0.282	26.838	-1097.043	1	1
43083_3084	43083	3084	-10.634	30.322	0.012	0.782	-27.429	1057.478	1	1
43084_3084	43084	3084	11.142	27.094	0.041	0.61	26.919	-1075.507	1	1
43084_3085	43084	3085	-10.057	26.671	0.023	-0.106	-27.516	1078.723	1	1
43085_3085	43085	3085	11.835	20.883	0.043	-0.447	26.774	-1076.107	1	1
43085_3086	43085	3086	-9.855	33.13	0.017	0.963	-27.614	1011.063	1	1
43086_3086	43086	3086	12.399	24.323	0.123	0.346	26.536	-1011.999	1	1
43086_3087	43086	3087	-9.971	29.292	-0.083	0.172	-28.818	979.906	1	1
43087_3087	43087	3087	12.516	18.289	0.11	-0.539	26.841	-991.391	1	1
43087_3088	43087	3088	-10.373	35.832	-0.09	1.065	-30.065	878.744	1	1
43088_3088	43088	3088	11.961	19.363	0.296	0.185	26.222	-850.706	1	1
43088_3089	43088	3089	-10.992	32.675	-0.226	0.349	-33.353	717.884	1	1
43089_3089	43089	3089	11.052	15.152	0.292	-0.882	29.073	-900.472	1	1
43089_3090	43089	3090	-12.237	41.028	-0.233	1.362	-35.176	741.801	1	1
43090_3090	43090	3090	9.098	15.872	-0.187	0.348	29.164	-730.236	1	1
43090_3091	43090	3091	-13.241	37.343	0.144	0.141	-33.344	531.605	1	1
43091_3091	43091	3091	6.582	9.322	-0.137	-0.908	24.45	-578.62	1	1

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43091_3092	43091	3092	-14.781	44.166	0.193	1.563	-29.631	273.934	1
43092_3092	43092	3092	4.264	6.543	-0.012	0	20.989	-388.44	1
43092_3093	43092	3093	-15.754	46.897	-0.324	0.503	-31.689	44.653	1
43093_3093	43093	3093	-3.632	3.816	-0.009	0.562	0.719	-174.96	1
43093_3094	43093	3094	-16.652	54.642	-0.278	1.383	-32.875	-293.919	1
43094_3094	43094	3094	-21.345	50.485	0.209	0.27	10.469	126.253	1
43094_3095	43094	3095	44.454	8.116	0.538	0.279	-33.962	354.746	1
43095_3095	43095	3095	-18.608	45.096	0.366	-0.233	8.305	-139.764	1
43095_3096	43095	3096	39.837	11.635	0.316	1.05	-27.77	452.257	1
43096_3096	43096	3096	-16.566	39.712	0.468	-0.033	7.761	-279.758	1
43096_3097	43096	3097	36.026	15.304	0.193	0.912	-23.778	504.203	1
43097_3097	43097	3097	-15.204	39.507	-0.155	0.503	8.481	-379.579	1
43097_3098	43097	3098	31.713	15.349	0.553	0.247	-17.594	559.719	1
43098_3098	43098	3098	-14.508	34.028	-0.053	-0.116	4.821	-486.315	1
43098_3099	43098	3099	27.475	19.359	0.454	0.902	-12.497	594.013	1
43099_3099	43099	3099	-14.485	28.921	0.034	0.061	2.569	-547.86	1
43099_3100	43099	3100	23.455	23.947	0.389	0.79	-8.259	595.251	1
43100_3100	43100	3100	-14.904	32.987	0.215	-2.77	1.949	-620.138	1
43100_3101	43100	3101	20.206	21.825	0.309	2.584	-5.649	663.173	1
43101_3101	43101	3101	-15.69	28.993	0.296	-2.808	2.816	-657.359	1
43101_3102	43101	3102	18.202	25.236	0.245	3.011	-3.916	668.314	1
43102_3102	43102	3102	-16.883	25.216	0.235	3.606	4.653	-670.666	1
43102_3103	43102	3103	16.686	29.02	0.315	-3.431	-2.151	655.843	1
43103_3103	43103	3103	-18.571	21.803	0.332	1.915	6.504	-665.638	1
43103_3104	43103	3104	15.577	33.008	0.205	-2.055	-1.536	618.792	1
43104_3104	43104	3104	-21.411	23.909	0.391	1.123	9.521	-598.223	1
43104_3105	43104	3105	14.827	28.922	0.036	-0.241	-2.33	546.976	1
43105_3105	43105	3105	-25.038	19.315	0.485	0.355	14.027	-597.255	1
43105_3106	43105	3106	14.409	34.035	-0.069	0.381	-4.983	486.021	1
43106_3106	43106	3106	-28.901	15.302	0.551	0.499	19.658	-563.149	1
43106_3107	43106	3107	14.665	39.521	-0.154	0.249	-8.919	379.772	1
43107_3107	43107	3107	-32.863	15.266	0.205	0.679	26.096	-507.769	1
43107_3108	43107	3108	15.597	39.679	0.448	-0.027	-8.641	280.8	1
43108_3108	43108	3108	-36.344	11.585	0.325	0.823	30.452	-455.856	1
43108_3109	43108	3109	17.224	45.074	0.351	-0.183	-9.575	141.396	1
43109_3109	43109	3109	-40.587	8.053	0.499	0.491	37.074	-357.819	1
43109_3110	43109	3110	19.556	50.476	0.22	0.041	-11.884	-124.391	1
43110_3110	43110	3110	19.16	53.654	-0.309	1.579	37.068	263.824	1
43110_3111	43110	3111	5.868	2.364	-0.028	0.321	2.307	125.132	1
43111_3111	43111	3111	18.503	45.783	-0.371	0.368	36.194	-61.606	1
43111_3112	43111	3112	-5.934	6.953	0.018	0.254	-22.802	398.487	1
43112_3112	43112	3112	17.71	43.053	0.079	1.632	34.067	-274.415	1
43112_3113	43112	3113	-8.592	9.741	-0.072	-0.974	-25.929	582.512	1
43113_3113	43113	3113	16.258	36.145	0.011	-0.05	36.555	-513.61	1
43113_3114	43113	3114	-11.435	16.391	-0.107	0.566	-30.067	724.413	1
43114_3114	43114	3114	15.273	39.878	-0.368	0.637	36.94	-706.537	1
43114_3115	43114	3115	-13.646	15.624	0.376	-0.283	-29.539	884.349	1
43115_3115	43115	3115	13.911	31.045	-0.358	0.499	33.893	-658.132	1
43115_3116	43115	3116	-14.724	19.898	0.38	-0.143	-25.389	808.603	1
43116_3116	43116	3116	13.148	34.375	-0.137	1.351	28.322	-813.297	1
43116_3117	43116	3117	-15.48	18.764	0.159	-0.784	-25.44	940.102	1
43117_3117	43117	3117	12.571	27.625	-0.145	-0.435	26.277	-900.873	1
43117_3118	43117	3118	-15.416	24.992	0.186	1.056	-24.252	942.525	1
43118_3118	43118	3118	12.27	31.618	-0.127	1.303	24.076	-917.006	1
43118_3119	43118	3119	-14.842	21.255	0.16	-0.726	-23.007	990.504	1
43119_3119	43119	3119	12.291	24.927	-0.133	-0.633	22.052	-970.83	1
43119_3120	43119	3120	-14.084	27.668	0.182	1.231	-21.26	971.166	1
43120_3120	43120	3120	12.689	28.733	-0.077	0.526	19.922	-935.401	1
43120_3121	43120	3121	-13.308	23.381	0.135	-0.065	-19.767	977.293	1
43121_3121	43121	3121	13.429	21.69	-0.071	-0.328	18.425	-958.973	1
43121_3122	43121	3122	-12.64	30.434	0.132	0.808	-18.224	925.958	1
43122_3122	43122	3122	14.331	25.96	-0.056	0.429	17.05	-925.802	1
43122_3123	43122	3123	-12.277	26.633	0.12	0.065	-16.959	934.732	1
43123_3123	43123	3123	15.276	19.522	-0.053	-0.451	15.978	-919.175	1
43123_3124	43123	3124	-12.278	33.323	0.116	0.967	-15.714	854.571	1
43124_3124	43124	3124	16.036	23.202	0.067	0.81	14.929	-847.765	1
43124_3125	43124	3125	-12.61	29.336	0	-0.147	-15.836	812.869	1
43125_3125	43125	3125	16.213	17.015	0.042	-0.826	15.091	-824.545	1
43125_3126	43125	3126	-13.245	36.089	0.002	1.483	-16.045	699.804	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43126_3126	43126	3126	15.579	18.351	0.088	0.302	14.527	-690.057	1
43126_3127	43126	3127	-14.117	32.894	-0.003	0.311	-16.385	533.358	1
43127_3127	43127	3127	14.545	14.089	0.098	-0.756	15.271	-731.972	1
43127_3128	43127	3128	-15.667	41.388	0.006	1.228	-16.514	540.434	1
43128_3128	43128	3128	12.258	15.255	0.072	0.691	15.171	-573.738	1
43128_3129	43128	3129	-16.818	37.433	-0.057	0.088	-17.335	325.51	1
43129_3129	43129	3129	9.232	8.69	0.101	-0.836	15.546	-443.084	1
43129_3130	43129	3130	-18.483	44.26	-0.019	1.465	-17.281	71.325	1
43130_3130	43130	3130	6.456	5.477	-0.923	-0.094	17.199	-268.346	1
43130_3131	43130	3131	-19.463	47.306	0.501	0.561	-10.6	-156.012	1
43131_3131	43131	3131	-4.615	4.132	0.307	0.242	11.46	-251.234	1
43131_3132	43131	3132	-20.571	55.009	0.571	0.849	-2.822	-444.738	1
43132_3132	43132	3132	-22.187	51.299	1.392	-1.535	-14.347	252.921	1
43132_3133	43132	3133	49.057	5.75	-0.943	1.31	-13.54	246.561	1
43133_3133	43133	3133	-18.927	45.57	1.412	-1.65	-2.294	-73.944	1
43133_3134	43133	3134	43.356	9.658	-1.013	1.624	-18.617	378.565	1
43134_3134	43134	3134	-16.429	39.813	1.206	1.684	6.635	-268.94	1
43134_3135	43134	3135	38.957	13.506	-0.671	-4.09	-22.353	441.337	1
43135_3135	43135	3135	-14.582	39.06	-0.371	0.308	13.821	-337.985	1
43135_3136	43135	3136	34.024	14.323	0.633	0.226	-16.56	503.487	1
43136_3136	43136	3136	-13.442	33.281	-0.295	0.395	9.038	-448.92	1
43136_3137	43136	3137	29.195	18.555	0.6	0.096	-11.219	543.288	1
43137_3137	43137	3137	-12.999	27.937	-0.2	-0.255	5.37	-512.389	1
43137_3138	43137	3138	24.595	23.364	0.537	0.836	-6.574	546.35	1
43138_3138	43138	3138	-13.125	32.521	0.114	0.513	3.273	-581.893	1
43138_3139	43138	3139	20.801	20.841	0.274	0.085	-4.657	616.298	1
43139_3139	43139	3139	-13.633	28.319	0.165	0.611	3.745	-621.441	1
43139_3140	43139	3140	18.423	24.409	0.223	-0.043	-3.349	624.284	1
43140_3140	43140	3140	-14.561	24.349	0.238	-0.527	4.791	-634.867	1
43140_3141	43140	3141	16.554	28.381	0.14	1.116	-2.805	613.102	1
43141_3141	43141	3141	-16.02	20.786	0.26	0.753	6.552	-629.184	1
43141_3142	43141	3142	15.093	32.586	0.112	-0.209	-2.722	575.795	1
43142_3142	43142	3142	-18.594	23.131	0.227	0.656	8.77	-561.876	1
43142_3143	43142	3143	14.005	28.217	0.041	-0.137	-3.314	506.249	1
43143_3143	43143	3143	-21.991	18.319	0.295	-0.154	11.392	-559.743	1
43143_3144	43143	3144	13.154	33.581	-0.03	0.569	-5.14	443.943	1
43144_3144	43144	3144	-25.625	14.117	0.305	0.702	14.761	-521.912	1
43144_3145	43144	3145	13.004	39.363	-0.069	-0.262	-7.609	334.017	1
43145_3145	43145	3145	-29.378	13.972	-0.105	-0.054	18.24	-460.89	1
43145_3146	43145	3146	13.54	39.79	0.549	0.207	-5.572	228.333	1
43146_3146	43146	3146	-32.687	10.131	-0.048	0.693	19.016	-402.515	1
43146_3147	43146	3147	14.837	45.435	0.514	-0.276	-3.896	80.608	1
43147_3147	43147	3147	-36.689	6.461	0.088	0.34	21.15	-291.845	1
43147_3148	43147	3148	16.9	51.065	0.429	-0.018	-2.581	-196.549	1
43148_3148	43148	3148	30.224	53.044	-0.193	0.698	21.681	365.171	1
43148_3149	43148	3149	14.288	2.819	0.028	0.303	-1.674	205.386	1
43149_3149	43149	3149	30.867	45.309	-0.227	0.22	20.577	57.798	1
43149_3150	43149	3150	-12.496	6.96	-0.076	-0.013	-15.083	330.372	1
43150_3150	43150	3150	31.197	42.394	0.12	0.556	18.922	-139.965	1
43150_3151	43150	3151	-16.746	9.916	-0.084	-0.272	-16.801	496.894	1
43151_3151	43151	3151	30.562	35.705	0.073	0.2	20.787	-359.197	1
43151_3152	43151	3152	-21.281	16.412	-0.155	-0.079	-20.017	614.681	1
43152_3152	43152	3152	30.074	39.201	-0.105	0.205	21.194	-547.721	1
43152_3153	43152	3153	-24.859	15.66	0.248	0.045	-19.228	757.191	1
43153_3153	43153	3153	29.443	30.687	-0.066	0.296	19.669	-508.248	1
43153_3154	43153	3154	-26.795	19.935	0.22	-0.071	-16.896	681.499	1
43154_3154	43154	3154	29.141	33.427	-0.071	0.655	18.195	-643.956	1
43154_3155	43154	3155	-28.782	18.83	0.146	-0.252	-16.587	784.017	1
43155_3155	43155	3155	28.969	26.575	-0.071	-0.083	16.944	-722.391	1
43155_3156	43155	3156	-29.574	25.108	0.163	0.522	-15.477	773.076	1
43156_3156	43156	3156	28.997	30.35	0.01	0.16	15.784	-756.081	1
43156_3157	43156	3157	-29.694	22.089	0.07	0.156	-15.336	821.813	1
43157_3157	43157	3157	29.181	24.218	0.029	0.211	15.579	-799.639	1
43157_3158	43157	3158	-29.547	28.068	0.054	0.097	-15.207	792.919	1
43158_3158	43158	3158	29.429	28.031	0.066	0.138	15.523	-788.437	1
43158_3159	43158	3159	-29.268	24.347	0.021	0.184	-15.45	801.169	1
43159_3159	43159	3159	29.566	22.041	0.082	0.172	15.876	-815.365	1
43159_3160	43159	3160	-29.039	30.447	0.002	0.137	-15.851	755.046	1
43160_3160	43160	3160	29.453	25.074	0.173	0.547	16.236	-764.892	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43160_3161	43160	3161	-28.958	26.83	-0.084	-0.094	-17.289	718.101	1
43161_3161	43161	3161	28.695	18.796	0.155	-0.242	17.515	-773.371	1
43161_3162	43161	3162	-29.074	33.616	-0.082	0.64	-18.812	636.67	1
43162_3162	43162	3162	26.761	19.786	0.238	-0.263	17.996	-667.649	1
43162_3163	43162	3163	-29.335	31.042	-0.062	0.407	-20.354	495.661	1
43163_3163	43163	3163	24.859	15.529	0.286	0.418	20.603	-739.055	1
43163_3164	43163	3164	-29.942	39.492	-0.13	-0.227	-22.336	532.088	1
43164_3164	43164	3164	21.342	16.088	-0.194	-0.145	21.67	-593.237	1
43164_3165	43164	3165	-30.446	36.304	0.117	0.233	-21.589	336.456	1
43165_3165	43165	3165	16.831	9.673	-0.112	-0.248	17.942	-470.063	1
43165_3166	43165	3166	-31.114	42.954	0.159	0.505	-19.389	107.761	1
43166_3166	43166	3166	12.574	6.699	-0.08	-0.033	15.783	-302.122	1
43166_3167	43166	3167	-30.851	46.151	-0.251	0.236	-21.462	-100.187	1
43167_3167	43167	3167	-14.734	3.288	-0.008	0.338	2.29	-243.857	1
43167_3168	43167	3168	-30.253	53.766	-0.212	0.73	-22.825	-415.042	1
43168_3168	43168	3168	-18.884	51.733	0.366	0.226	3.446	208.878	1
43168_3169	43168	3169	40.002	6.593	0.221	0.173	-22.104	-287.982	1
43169_3169	43169	3169	-16.551	46.24	0.47	-0.096	4.027	-74.164	1
43169_3170	43169	3170	35.814	10.147	0.061	0.563	-19.039	400.957	1
43170_3170	43170	3170	-14.994	40.711	0.536	0.019	5.326	-227.257	1
43170_3171	43170	3171	32.315	13.857	-0.044	0.469	-17.769	461.336	1
43171_3171	43171	3171	-14.195	39.999	-0.042	0.065	7.348	-339.802	1
43171_3172	43171	3172	28.299	14.141	0.326	0.393	-14.149	524.115	1
43172_3172	43172	3172	-14.138	34.295	0.014	0.135	5.154	-454.099	1
43172_3173	43172	3173	24.409	18.233	0.277	0.334	-11.046	564.677	1
43173_3173	43173	3173	-14.822	28.967	0.071	0.21	3.771	-521.756	1
43173_3174	43173	3174	20.731	22.924	0.224	0.254	-8.617	571.578	1
43174_3174	43174	3174	-15.811	32.774	0.147	-0.486	3.437	-596.465	1
43174_3175	43174	3175	17.866	21.064	0.298	0.894	-6.439	641.165	1
43175_3175	43175	3175	-17.198	28.636	0.184	0.868	3.808	-634.198	1
43175_3176	43175	3176	16.199	24.587	0.269	-0.37	-4.69	648.245	1
43176_3176	43176	3176	-19.007	24.718	0.276	-0.349	4.725	-646.184	1
43176_3177	43176	3177	15.073	28.498	0.182	0.846	-3.79	636.593	1
43177_3177	43177	3177	-21.339	21.186	0.299	0.907	6.513	-639.354	1
43177_3178	43177	3178	14.381	32.631	0.144	-0.513	-3.437	599.232	1
43178_3178	43178	3178	-25.06	23.058	0.207	0.562	8.741	-569.71	1
43178_3179	43178	3179	14.091	28.928	0.072	0.059	-3.745	524.3	1
43179_3179	43179	3179	-29.562	18.373	0.253	0.663	11.014	-563.177	1
43179_3180	43179	3180	14.346	34.238	0.018	-0.091	-5.093	456.554	1
43180_3180	43180	3180	-34.25	14.277	0.336	-0.009	13.824	-522.768	1
43180_3181	43180	3181	15.339	39.922	-0.054	0.563	-7.362	392.065	1
43181_3181	43181	3181	-38.977	13.961	-0.07	0.76	17.482	-460.63	1
43181_3182	43181	3182	17.035	40.771	0.532	-0.224	-5.326	229.48	1
43182_3182	43182	3182	-43.18	10.27	0.082	0.128	18.449	-400.212	1
43182_3183	43182	3183	19.469	46.265	0.448	0.14	-4.155	75.863	1
43183_3183	43183	3183	-48.169	6.724	0.184	0.392	21.591	-287.55	1
43183_3184	43183	3184	22.653	51.723	0.383	0.081	-3.29	-206.763	1
43184_3184	43184	3184	23.898	55.608	-0.176	0.746	21.785	465.464	1
43184_3185	43184	3185	6.41	3.985	0.064	0.386	-3.643	200.949	1
43185_3185	43185	3185	23.875	48.149	-0.217	0.268	20.724	128.429	1
43185_3186	43185	3186	-8.464	6.014	-0.119	-0.052	-16.076	290.295	1
43186_3186	43186	3186	23.577	44.809	0.269	0.651	18.946	-107.189	1
43186_3187	43186	3187	-11.83	8.995	-0.178	-0.349	-18.944	468.586	1
43187_3187	43187	3187	22.525	38.147	0.224	0.225	22.644	-366.296	1
43187_3188	43187	3188	-15.485	15.257	-0.265	-0.086	-23.521	608.973	1
43188_3188	43188	3188	21.81	40.899	-0.006	0.342	24.704	-586.162	1
43188_3189	43188	3189	-18.34	14.966	0.202	-0.027	-23.284	769.021	1
43189_3189	43189	3189	20.952	32.579	0.042	0.417	23.882	-562.416	1
43189_3190	43189	3190	-19.831	19.149	0.165	-0.134	-21.854	713.723	1
43190_3190	43190	3190	20.54	34.765	0.038	0.419	23.858	-722.368	1
43190_3191	43190	3191	-21.202	18.619	0.109	0.015	-22.341	838.186	1
43191_3191	43191	3191	20.292	28.164	0.073	0.493	23.84	-812.978	1
43191_3192	43191	3192	-21.603	24.713	0.082	-0.074	-22.524	846.284	1
43192_3192	43192	3192	20.267	31.443	0.092	0.348	24.19	-858.619	1
43192_3193	43192	3193	-21.447	22.199	0.045	0.088	-23.222	907.944	1
43193_3193	43193	3193	20.404	25.517	0.122	0.414	24.799	-909.125	1
43193_3194	43193	3194	-21.116	28.017	0.018	0.001	-23.916	891.999	1
43194_3194	43194	3194	20.608	28.798	0.203	0.272	25.616	-905.49	1
43194_3195	43194	3195	-20.712	24.808	-0.077	0.139	-25.662	907.758	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43195_3195	43195	3195	20.714	23.027	0.222	0.33	27.178	-934.937	1
43195_3196	43195	3196	-20.399	30.733	-0.108	0.055	-27.699	869.153	1
43196_3196	43196	3196	20.616	25.542	0.307	-0.377	28.502	-887.913	1
43196_3197	43196	3197	-20.259	27.64	-0.169	0.62	-30.625	834.467	1
43197_3197	43197	3197	20.008	19.524	0.341	0.599	30.74	-893.535	1
43197_3198	43197	3198	-20.323	34.206	-0.223	-0.35	-34.136	755.502	1
43198_3198	43198	3198	18.475	20.04	0.293	0.106	32.173	-783.215	1
43198_3199	43198	3199	-20.534	32.251	-0.167	0.247	-37.564	606.84	1
43199_3199	43199	3199	16.958	15.926	0.31	-0.307	34.719	-853.236	1
43199_3200	43199	3200	-21.084	40.466	-0.187	0.628	-39.914	647.726	1
43200_3200	43200	3200	14.224	15.947	-0.167	0.17	34.668	-698.514	1
43200_3201	43200	3201	-21.614	38.178	0.045	0.128	-39.659	436.557	1
43201_3201	43201	3201	10.824	9.818	-0.123	-0.798	29.474	-559.027	1
43201_3202	43201	3202	-22.412	44.74	0.116	1.283	-37.129	190.437	1
43202_3202	43202	3202	7.747	6.847	-0.007	-0.217	25.084	-378.995	1
43202_3203	43202	3203	-22.495	48.283	-0.353	0.497	-39.247	-33.414	1
43203_3203	43203	3203	-6.169	3.049	-0.01	0.575	-2.605	-150.502	1
43203_3204	43203	3204	-22.433	55.535	-0.309	1.383	-40.204	-358.16	1
43204_3204	43204	3204	-21.468	52.154	0.159	-0.143	14.005	165.026	1
43204_3205	43204	3205	45.363	8.158	0.554	0.862	-41.27	351.54	1
43205_3205	43205	3205	-18.644	47.126	0.243	0.132	10.644	-112.079	1
43205_3206	43205	3206	40.612	11.495	0.452	0.119	-33.189	462.344	1
43206_3206	43206	3206	-16.604	42.028	0.361	-0.308	8.324	-261.866	1
43206_3207	43206	3207	36.618	14.901	0.284	0.818	-27.885	516.996	1
43207_3207	43207	3207	-15.348	40.884	0.013	0.331	7.384	-375.251	1
43207_3208	43207	3208	32.141	15.349	0.552	0.49	-21.045	572.961	1
43208_3208	43208	3208	-14.883	35.552	0.115	0.485	4.46	-489.709	1
43208_3209	43208	3209	27.769	19.16	0.458	0.297	-15.45	609.739	1
43209_3209	43209	3209	-15.217	30.51	0.232	-0.211	3.054	-560.673	1
43209_3210	43209	3210	23.623	23.493	0.328	1.118	-11.474	616.314	1
43210_3210	43210	3210	-15.984	33.35	0.195	0.636	3.752	-643.126	1
43210_3211	43210	3211	20.249	22.297	0.47	0.228	-7.818	684.626	1
43211_3211	43211	3211	-17.179	29.474	0.286	0.767	4.248	-680.201	1
43211_3212	43211	3212	18.206	25.628	0.384	0.063	-5.358	689.954	1
43212_3212	43212	3212	-18.825	25.792	0.404	-0.44	5.746	-693.696	1
43212_3213	43212	3213	16.71	29.302	0.263	1.3	-4.082	678.424	1
43213_3213	43213	3213	-21.012	22.45	0.457	0.984	8.468	-690.192	1
43213_3214	43213	3214	15.667	33.171	0.195	-0.177	-3.703	643.377	1
43214_3214	43214	3214	-24.554	23.655	0.336	-0.174	11.939	-623.669	1
43214_3215	43214	3215	15.049	30.414	0.211	0.763	-3.395	562.639	1
43215_3215	43215	3215	-28.879	19.309	0.401	0.884	16.013	-618.905	1
43215_3216	43215	3216	14.921	35.437	0.13	-0.17	-4.761	493.618	1
43216_3216	43216	3216	-33.42	15.481	0.495	0.922	21.199	-583.911	1
43216_3217	43216	3217	15.594	40.759	0.03	-0.297	-7.623	381.89	1
43217_3217	43217	3217	-38.026	14.97	0.27	0.644	27.476	-528.982	1
43217_3218	43217	3218	17.024	41.997	0.465	0.288	-7.746	270.32	1
43218_3218	43218	3218	-42.177	11.55	0.359	1.61	32.611	-474.463	1
43218_3219	43218	3219	19.254	47.079	0.369	-0.499	-9.073	122.301	1
43219_3219	43219	3219	-47.094	8.187	0.675	-0.048	39.699	-365.233	1
43219_3220	43219	3220	22.262	52.091	0.139	0.563	-12.932	-151.32	1
43220_3220	43220	3220	21.543	56.412	-0.342	2.142	39	350.619	1
43220_3221	43220	3221	4.812	4.303	0.092	0.548	5.237	156.924	1
43221_3221	43221	3221	21.702	49.505	-0.426	0.739	37.48	13.793	1
43221_3222	43221	3222	-6.781	6.897	0.007	0.452	-24.69	395.068	1
43222_3222	43222	3222	21.726	46.313	0.215	3.57	34.559	-231.144	1
43222_3223	43222	3223	-9.811	9.748	-0.202	-2.222	-29.173	580.522	1
43223_3223	43223	3223	21.087	40.016	0.082	-0.814	39.247	-500.467	1
43223_3224	43223	3224	-13.246	15.565	-0.177	2.35	-33.724	733.421	1
43224_3224	43224	3224	20.644	42.53	-0.015	4.237	40.431	-733.644	1
43224_3225	43224	3225	-16.049	15.424	0.148	-3.112	-35.275	905.9	1
43225_3225	43225	3225	20.209	33.476	-0.096	-0.299	40.128	-670.391	1
43225_3226	43225	3226	-17.6	19.255	0.193	1.674	-33.669	821.693	1
43226_3226	43226	3226	20.062	34.954	0.006	3.352	37.643	-878.523	1
43226_3227	43226	3227	-19.443	20.069	0.19	-2.013	-34.604	977.875	1
43227_3227	43227	3227	19.968	28.234	-0.025	-1.245	36.898	-971.564	1
43227_3228	43227	3228	-20.135	26.301	0.23	2.565	-33.592	982.846	1
43228_3228	43228	3228	19.935	30.183	0.156	3.281	35.616	-986.486	1
43228_3229	43228	3229	-20.25	24.583	0.06	-1.928	-34.66	1015.537	1
43229_3229	43229	3229	19.877	23.649	0.126	-1.524	36.685	-1019.984	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43229_3230	43229	3230	-20.176	31.114	0.093	2.801	-35.118	971.57	1
43230_3230	43230	3230	19.592	25.063	0.218	2.908	37.106	-981.315	1
43230_3231	43230	3231	-20.043	29.424	-0.063	-1.586	-37.676	938.672	1
43231_3231	43231	3231	18.906	18.829	0.169	-1.634	38.337	-964.301	1
43231_3232	43231	3232	-19.967	36.294	-0.025	2.804	-39.591	830.537	1
43232_3232	43232	3232	18.178	21.475	-0.221	1.499	38.985	-989.578	1
43232_3233	43232	3233	-19.949	35.935	0.099	-0.46	-40.408	880.625	1
43233_3233	43233	3233	17.311	17.708	-0.203	0.943	35.854	-959.763	1
43233_3234	43233	3234	-19.924	40.393	0.136	-0.156	-39.58	802.637	1
43234_3234	43234	3234	15.916	13.879	-0.21	-1.911	32.736	-863.802	1
43234_3235	43234	3235	-20.208	44.671	0.225	2.735	-37.222	623.422	1
43235_3235	43235	3235	14.677	15.033	1.074	1.656	29.809	-836.864	1
43235_3236	43235	3236	-20.427	45.142	-0.926	-0.526	-41.627	618.045	1
43236_3236	43236	3236	13.616	12.807	1.027	0.354	34.889	-790.364	1
43236_3237	43236	3237	-20.636	48.317	-0.99	0.442	-46.334	538.9	1
43237_3237	43237	3237	11.532	9.114	0.857	-1.807	37.383	-622.766	1
43237_3238	43237	3238	-21.198	51.022	-0.999	2.568	-55.948	210.665	1
43238_3238	43238	3238	8.992	13.892	-0.626	0.761	40.758	-472.748	1
43238_3239	43238	3239	-20.823	42.329	0.834	0.211	-47.279	82.499	1
43239_3239	43239	3239	6.932	9.213	-0.522	-0.945	29.61	-360.245	1
43239_3240	43239	3240	-20.89	47.857	0.87	1.623	-36.396	-99.346	1
43240_3240	43240	3240	4.347	18.915	-0.318	0.358	21.981	-279.674	1
43240_3241	43240	3241	-19.299	40.878	0.856	1.042	-28.088	-44.579	1
43241_3241	43241	3241	-29.333	41.219	0.22	-0.19	25.777	-92.611	1
43241_3242	43241	3242	49.874	16.338	-0.099	0.531	-47.45	481.041	1
43242_3242	43242	3242	-26.815	36.908	0.298	-1.43	22.87	-249.08	1
43242_3243	43242	3243	45.827	21.165	-0.327	2.613	-47.381	527.796	1
43243_3243	43243	3243	-24.621	44.447	-0.719	0.995	17.749	-266.376	1
43243_3244	43243	3244	42.209	14.054	1.574	-0.046	-30.066	567.099	1
43244_3244	43244	3244	-23.549	38.092	-0.356	-0.113	5.444	-417.155	1
43244_3245	43244	3245	37.725	18.06	1.393	1.234	-12.966	607.057	1
43245_3245	43245	3245	-23.617	35.272	0.182	2.155	-0.696	-533.768	1
43245_3246	43245	3246	32.989	20.198	0.426	-0.857	-6.381	649.203	1
43246_3246	43246	3246	-24.762	29.464	0.383	-0.744	-0.531	-620.752	1
43246_3247	43246	3247	28.942	25.234	0.146	2.078	-4.078	657.58	1
43247_3247	43247	3247	-26.833	28.052	-0.258	2.141	2.349	-656.74	1
43247_3248	43247	3248	26.003	26.778	0.539	-0.813	0.583	666.4	1
43248_3248	43248	3248	-30.456	22.404	-0.044	-0.334	-0.146	-639.62	1
43248_3249	43248	3249	24.261	32.147	0.408	1.653	4.385	580.879	1
43249_3249	43249	3249	-35.135	20.006	0.384	1.833	0.499	-616.012	1
43249_3250	43249	3250	23.444	35.196	-0.137	-0.45	2.144	497.22	1
43250_3250	43250	3250	-40.114	15.854	0.458	-0.058	5.021	-594.216	1
43250_3251	43250	3251	23.843	41.631	-0.355	1.223	-3.328	376.932	1
43251_3251	43251	3251	-44.789	23.295	2.527	2.651	9.099	-551.022	1
43251_3252	43251	3252	25.297	33.129	-0.615	-0.962	-11.117	352.357	1
43252_3252	43252	3252	-49.111	18.734	3.011	0.497	32.515	-550.291	1
43252_3253	43252	3253	27.516	38.042	-1.077	0.286	-24.758	275.508	1
43253_3253	43253	3253	-52.804	15.062	3.326	0.009	61.707	-529.987	1
43253_3254	43253	3254	30.551	43.19	-1.511	0.7	-43.801	197.828	1
43254_3254	43254	3254	-54.075	25.555	-2.897	-4.958	89.151	-570.729	1
43254_3255	43254	3255	33.853	35.963	1.959	-1.377	-46.447	323.516	1
43255_3255	43255	3255	21.228	49.504	-3.949	3.169	63.334	145.334	1
43255_3256	43255	3256	-4.9	10.28	2.068	-0.785	-16.269	331.381	1
43256_3256	43256	3256	20.694	45.859	-4.15	2.063	23.739	-83.892	1
43256_3257	43256	3257	-6.923	14.211	2.625	0.77	3.396	459.554	1
43257_3257	43257	3257	21.627	53.608	1.492	2.665	-10.362	-139.978	1
43257_3258	43257	3258	-9.103	8.053	-1.339	-1.831	-7.971	577.466	1
43258_3258	43258	3258	21.556	49.318	1.459	1.458	4.878	-398.113	1
43258_3259	43258	3259	-11.238	11.456	-1.387	-0.493	-18.815	725.308	1
43259_3259	43259	3259	21.133	47.913	1.411	-1.599	17.921	-712.635	1
43259_3260	43259	3260	-13.183	14.906	-1.372	2.968	-22.442	894.528	1
43260_3260	43260	3260	21.166	47.65	0.754	4.171	23.234	-629.235	1
43260_3261	43260	3261	-13.868	13.233	-0.406	-2.98	-25.257	876.583	1
43261_3261	43261	3261	21.055	42.662	0.657	2.015	30.042	-710.667	1
43261_3262	43261	3262	-15.455	16.171	-0.489	-0.962	-30.333	924.498	1
43262_3262	43262	3262	21.005	38.679	0.517	-1.351	36.539	-889.047	1
43262_3263	43262	3263	-17.146	20.394	-0.561	2.813	-36.348	1018.034	1
43263_3263	43263	3263	21.349	38.815	0.201	2.903	39.426	-871.229	1
43263_3264	43263	3264	-18.237	18.394	0.097	-1.795	-37.073	1018.413	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43264_3264	43264	3264	21.656	32.399	0.216	0.087	40.849	-979.379	1
43264_3265	43264	3265	-19.514	23.737	0.084	1.018	-38.488	1042.784	1
43265_3265	43265	3265	21.959	33.217	0.174	3.51	42.269	-1038.293	1
43265_3266	43265	3266	-20.404	23.117	0.062	-2.184	-40.448	1094.193	1
43266_3266	43266	3266	22.236	27.19	0.15	-1.141	43.391	-1102.364	1
43266_3267	43266	3267	-20.929	29.081	0.088	2.423	-41.526	1090.392	1
43267_3267	43267	3267	22.428	28.089	0.326	2.58	43.9	-1089.864	1
43267_3268	43267	3268	-21.294	28.048	-0.129	-1.42	-45.107	1085.131	1
43268_3268	43268	3268	22.422	22.25	0.297	-0.813	46.328	-1093.337	1
43268_3269	43268	3269	-21.61	34.209	-0.12	1.927	-48.245	1021.451	1
43269_3269	43269	3269	22.014	22.202	0.026	2.626	47.392	-1019.651	1
43269_3270	43269	3270	-21.915	33.703	-0.13	-1.348	-51.647	929.201	1
43270_3270	43270	3270	21.112	16.653	-0.041	-1.577	44.779	-969.868	1
43270_3271	43270	3271	-22.229	40.426	-0.021	2.725	-52.386	780.536	1
43271_3271	43271	3271	20.353	17.423	0.378	2.897	42.355	-986.461	1
43271_3272	43271	3272	-22.449	42.489	-0.345	-1.593	-53.867	821.419	1
43272_3272	43272	3272	18.867	13.594	0.261	0.29	41.788	-866.999	1
43272_3273	43272	3273	-22.88	46.154	-0.346	0.698	-56.405	590.326	1
43273_3273	43273	3273	17.271	10.802	0.12	-2.759	40.568	-788.097	1
43273_3274	43273	3274	-23.504	51.158	-0.326	3.814	-58.096	449.036	1
43274_3274	43274	3274	16.356	21.153	-1.68	2.017	40.322	-819.478	1
43274_3275	43274	3275	-23.201	40.39	2.23	-1.214	-51.696	614.685	1
43275_3275	43275	3275	14.431	16.816	-1.529	0.656	31.448	-663.984	1
43275_3276	43275	3276	-23.579	41.355	2.225	0.339	-31.839	338.964	1
43276_3276	43276	3276	12.369	12.927	-1.421	-1.473	14.589	-594.913	1
43276_3277	43276	3277	-23.833	45.724	2.179	2.173	-11.105	221.83	1
43277_3277	43277	3277	9.457	16.117	1.097	-3.278	-0.585	-454.523	1
43277_3278	43277	3278	-23.387	40.77	-1.478	3.97	-25.374	88.276	1
43278_3278	43278	3278	7.1	12.01	0.98	-4.315	7.622	-380.505	1
43278_3279	43278	3279	-23.637	45.879	-1.346	5.275	-35.287	-3.579	1
43279_3279	43279	3279	-32.805	37.479	-0.788	12.528	17.258	-347.756	1
43279_3280	43279	3280	49.305	22.869	0.501	-13.63	-37.494	649.041	1
43280_3280	43280	3280	-30.568	43.426	0.181	1.892	10.644	-288.872	1
43280_3281	43280	3281	47.742	16.292	0.36	-1.431	-32.852	637.867	1
43281_3281	43281	3281	-28.153	37.478	0.304	0.39	6.814	-274.572	1
43281_3282	43281	3282	45.297	19.084	0.104	0.525	-28.888	600.824	1
43282_3282	43282	3282	-26.938	32.513	0.393	-0.799	5.547	-390.194	1
43282_3283	43282	3283	41.288	23.968	-0.176	2.538	-27.037	616.014	1
43283_3283	43283	3283	-26.554	32.788	-0.147	1.414	2.162	-312.289	1
43283_3284	43283	3284	37.636	20.968	1.406	-0.706	-7.342	522.573	1
43284_3284	43284	3284	-27.874	26.046	0.294	-0.656	-2.006	-403.378	1
43284_3285	43284	3285	32.597	27.478	1.007	1.758	5.859	466.695	1
43285_3285	43285	3285	-30.817	28.529	0.032	1.728	2.771	-421.742	1
43285_3286	43285	3286	28.971	23.592	-0.104	-0.723	2.674	462.093	1
43286_3286	43286	3286	-34.696	22.496	0.151	-0.858	3.765	-500.296	1
43286_3287	43286	3287	26.973	30.564	-0.221	1.83	-1.451	437.053	1
43287_3287	43287	3287	-40.207	25.542	0.306	1.592	5.435	-478.873	1
43287_3288	43287	3288	26.499	27.547	0.192	-0.539	-0.643	389.581	1
43288_3288	43288	3288	-46.246	19.844	0.573	-0.523	10.042	-526.712	1
43288_3289	43288	3289	27.406	34.339	-0.022	1.199	-3.276	311.161	1
43289_3289	43289	3289	-50.733	24.514	0.107	1.914	17.866	-562.673	1
43289_3290	43289	3290	29.687	32.223	0.284	-0.595	-4.394	334.481	1
43290_3290	43290	3290	-54.654	20.405	0.319	0.472	20.761	-595.733	1
43290_3291	43290	3291	32.363	37.126	0.157	0.122	-6.017	286.251	1
43291_3291	43291	3291	-58.165	16.837	0.52	-0.648	25.716	-587.775	1
43291_3292	43291	3292	35.663	41.952	0.016	0.956	-9.15	197.979	1
43292_3292	43292	3292	-59.232	24.584	-1.195	2.435	30.662	-668.544	1
43292_3293	43292	3293	39.588	38.335	0.6	-5.98	-11.528	360.827	1
43293_3293	43293	3293	8.951	50.1	-1.15	1.444	20.253	-140.041	1
43293_3294	43293	3294	-0.721	10.992	-0.146	-0.091	-7.324	391.158	1
43294_3294	43294	3294	7.128	45.269	-1.325	-0.513	11.792	-282.042	1
43294_3295	43294	3295	-1.165	14.358	0.118	2.035	-6.758	479.704	1
43295_3295	43295	3295	6.401	48.98	0.13	3.26	-1.37	-425.368	1
43295_3296	43295	3296	-2.117	9.997	0.11	-2.055	-3.083	638.556	1
43296_3296	43296	3296	5.307	44.605	0.115	-0.106	0.879	-727.709	1
43296_3297	43296	3297	-2.593	14.607	0.028	0.87	-1.397	828.238	1
43297_3297	43297	3297	4.605	42.388	0.107	-2.861	2.36	-971.012	1
43297_3298	43297	3298	-3.034	18.606	-0.029	3.753	-1.278	991.942	1
43298_3298	43298	3298	4.163	45.147	0.324	2.976	3.619	-926.609	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43298_3299	43298	3299	-3.383	14.502	-0.303	-2.102	-3.824	1004.861	1
43299_3299	43299	3299	4.016	41.024	0.284	0.371	6.812	-1090.604	1
43299_3300	43299	3300	-3.633	18.264	-0.332	0.117	-6.635	1118.371	1
43300_3300	43300	3300	4.004	37.295	0.234	-1.877	9.059	-1201.684	1
43300_3301	43300	3301	-3.774	21.985	-0.358	2.484	-9.63	1192.387	1
43301_3301	43301	3301	3.972	39.17	-0.215	3.485	10.304	-1141.038	1
43301_3302	43301	3302	-3.872	18.083	0.238	-2.469	-7.182	1192.954	1
43302_3302	43302	3302	3.946	32.848	-0.213	-1.987	7.394	-1274.914	1
43302_3303	43302	3303	-3.979	23.867	0.261	2.718	-4.464	1265.83	1
43303_3303	43303	3303	3.926	35.353	-0.067	2.83	4.558	-1313.417	1
43303_3304	43303	3304	-4.012	21.632	0.063	-2.032	-3.928	1353.795	1
43304_3304	43304	3304	3.911	29.604	-0.077	-1.945	3.428	-1430.591	1
43304_3305	43304	3305	-3.996	27.977	0.078	2.636	-3.134	1423.735	1
43305_3305	43305	3305	3.888	32.545	-0.089	3.299	2.156	-1380.313	1
43305_3306	43305	3306	-3.97	24.545	0.092	-2.465	-1.905	1441.476	1
43306_3306	43306	3306	3.847	27.062	-0.098	-2.702	0.689	-1469.978	1
43306_3307	43306	3307	-3.943	31.034	0.11	3.618	-0.522	1487.253	1
43307_3307	43307	3307	3.756	30.476	-0.07	3.006	-0.674	-1380.476	1
43307_3308	43307	3308	-3.926	26.831	0.091	-2.316	0.798	1470.151	1
43308_3308	43308	3308	3.599	24.504	-0.071	-2.21	-1.635	-1383.492	1
43308_3309	43308	3309	-3.911	32.983	0.102	3.186	2.217	1443.012	1
43309_3309	43309	3309	3.334	27.339	-0.147	2.521	-2.333	-1274.46	1
43309_3310	43309	3310	-3.892	28.999	0.108	-2.041	3.648	1422.265	1
43310_3310	43310	3310	2.891	20.273	-0.146	-1.499	-3.678	-1155.461	1
43310_3311	43310	3311	-3.852	34.96	0.127	2.535	5.426	1311.284	1
43311_3311	43311	3311	2.237	19.466	0.187	1.774	-4.46	-938.802	1
43311_3312	43311	3312	-3.764	32.42	0.093	-1.709	6.857	1234.994	1
43312_3312	43312	3312	1.465	11.59	0.163	-1.101	-1.073	-684.362	1
43312_3313	43312	3313	-3.606	39.198	-0.004	2.59	5.816	1046.284	1
43313_3313	43313	3313	0.941	9.175	-0.152	0.699	0.675	-454.804	1
43313_3314	43313	3314	-3.335	39.065	0.254	-0.637	6.67	797.504	1
43314_3314	43314	3314	0.435	3.824	-0.088	-0.705	-0.54	-220.41	1
43314_3315	43314	3315	-2.882	48.084	0.311	2.699	9.196	379.792	1
43315_3315	43315	3315	-1.05	3.429	-0.079	1.054	0.65	21.332	1
43315_3316	43315	3316	-2.154	59.226	-0.895	-1.881	0	-16.815	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
3000_3000	3000	3000	-0.464	-3.398	0.097	-0.13	0	-1.699	1
3000_3001	3000	3001	55.691	-46.543	0.067	-0.102	0.995	427.147	1
3001_3001	3001	3001	-32.953	-7.053	-0.016	-0.026	-0.233	-251.298	1
3001_3002	3001	3002	79.032	-38.766	0.083	-0.015	2.095	604.818	1
3002_3002	3002	3002	-46.902	-8.592	0.027	0.065	-0.649	-357.639	1
3002_3003	3002	3003	99.662	-36.803	-0.103	-0.207	1.212	761.761	1
3003_3003	3003	3003	-69.749	-15.39	0.045	-0.085	-0.524	-532.139	1
3003_3004	3003	3004	109.458	-29.829	-0.114	0.044	-0.068	836.27	1
3004_3004	3004	3004	-89.01	-16.53	0.016	0.075	0.016	-679.508	1
3004_3005	3004	3005	120.06	-32.534	-0.037	-0.164	-0.569	916.677	1
3005_3005	3005	3005	-106.08	-23.635	0.022	-0.053	0.284	-809.834	1
3005_3006	3005	3006	122.892	-26.401	-0.041	-0.006	-1.182	-938.095	1
3006_3006	3006	3006	-113.265	-20.909	0.019	0.176	0.705	-864.829	1
3006_3007	3006	3007	129.171	-30.329	-0.031	-0.262	-1.718	985.586	1
3007_3007	3007	3007	-122.252	-27.15	0.022	-0.132	1.136	-933.201	1
3007_3008	3007	3008	128.447	-24.371	-0.033	0.077	-2.298	979.977	1
3008_3008	3008	3008	-123.645	-23.249	0.023	0.103	1.643	-943.835	1
3008_3009	3008	3009	131.513	-28.287	-0.03	-0.14	-2.845	1003.099	1
3009_3009	3009	3009	-128.577	-29.337	0.025	-0.052	2.184	-981.177	1
3009_3010	3009	3010	127.728	-22.346	-0.03	0.022	-3.381	974.315	1
3010_3010	3010	3010	-126.371	-25.511	0.032	0.157	2.756	-964.361	1
3010_3011	3010	3011	127.608	-25.953	-0.036	-0.202	-3.951	973.313	1
3011_3011	3011	3011	-127.744	-31.622	0.034	-0.16	3.408	-974.654	1
3011_3012	3011	3012	120.854	-20.038	-0.035	0.114	-4.464	922.039	1
3012_3012	3012	3012	-122.049	-28.187	0.043	0.042	4.052	-931.387	1
3012_3013	3012	3013	116.958	-23.005	-0.045	-0.075	-5.034	892.395	1
3013_3013	3013	3013	-119.607	-34.377	0.044	-0.104	4.783	-912.775	1
3013_3014	3013	3014	107.674	-17.224	-0.042	0.065	-5.438	821.792	1
3014_3014	3014	3014	-110.106	-31.714	0.052	0.037	5.484	-840.686	1
3014_3015	3014	3015	97.132	-17.171	-0.048	-0.085	-5.922	741.389	1
3015_3015	3015	3015	-107.293	-40.441	0.033	-0.131	4.371	-771.734	1
3015_3016	3015	3016	93.698	-13.12	-0.033	0.102	-4.164	689.264	1
3016_3016	3016	3016	-93.339	-37.43	0.002	-0.009	4.638	-695.377	1
3016_3017	3016	3017	75.011	-13.695	0.014	-0.018	-3.708	612.351	1
3017_3017	3017	3017	-72.171	-44.142	-0.004	-0.176	4.493	-618.396	1
3017_3018	3017	3018	47.185	-7.837	0.01	0.117	-3.193	477.118	1
3018_3018	3018	3018	-42.141	-47.032	0.025	-0.073	4.132	-465.66	1
3018_3019	3018	3019	25.486	-5.417	0.008	0.018	-2.762	325.715	1
3019_3019	3019	3019	-17.824	-54.413	0.021	-0.208	4.064	-300.852	1
3019_3020	3019	3020	8.475	-1.461	0.019	0.101	-2.005	142.851	1
3020_3020	3020	3020	-70.968	-7.597	-0.079	-0.021	5.827	-265.129	1
3020_3021	3020	3021	39.56	-47.609	-0.008	-0.014	-2.032	181.598	1
3021_3021	3021	3021	-75.424	-10.639	-0.042	-0.048	3.578	-318.807	1
3021_3022	3021	3022	49.37	-42.59	-0.021	0.012	-1.29	256.535	1
3022_3022	3022	3022	-78.397	-13.865	-0.031	-0.041	2.956	-359.456	1
3022_3023	3022	3023	56.55	-37.684	-0.031	0.002	-1.131	315.367	1
3023_3023	3023	3023	-79.557	-13.997	-0.056	-0.028	2.49	-390.014	1
3023_3024	3023	3024	64.96	-37.027	0.01	-0.012	-0.692	378.861	1
3024_3024	3024	3024	-81.389	-17.606	-0.048	-0.02	1.841	-424.569	1
3024_3025	3024	3025	70.043	-31.938	0.001	-0.02	-0.382	416.631	1
3025_3025	3025	3025	-81.135	-21.75	-0.037	-0.057	1.302	-443.926	1
3025_3026	3025	3026	72.093	-27.185	-0.009	0.01	-0.218	430.649	1
3026_3026	3026	3026	-78.994	-20.056	-0.044	0.025	0.891	-446.67	1
3026_3027	3026	3027	75.741	-30.53	-0.014	-0.082	-0.171	453.14	1
3027_3027	3027	3027	-79.401	-23.193	-0.034	-0.03	0.576	-459.905	1
3027_3028	3027	3028	77.481	-26.836	-0.024	-0.02	-0.228	461.085	1
3028_3028	3028	3028	-78.914	-26.679	-0.026	-0.02	0.364	-464.565	1
3028_3029	3028	3029	77.527	-23.34	-0.032	-0.029	-0.38	455.824	1
3029_3029	3029	3029	-76.777	-30.366	-0.016	-0.082	0.245	-456.085	1
3029_3030	3029	3030	76.606	-20.193	-0.042	0.025	-0.633	441.875	1
3030_3030	3030	3030	-72.749	-27.067	-0.011	0.014	0.229	-433.054	1
3030_3031	3030	3031	77.936	-21.837	-0.037	-0.069	-0.98	437.8	1
3031_3031	3031	3031	-70.177	-31.828	-0.001	-0.012	0.319	-418.084	1
3031_3032	3031	3032	77.238	-17.682	-0.047	-0.034	-1.453	416.964	1
3032_3032	3032	3032	-64.565	-36.915	0.01	-0.044	0.553	-379.343	1
3032_3033	3032	3033	74.38	-14.055	-0.057	-0.002	-2.056	380.65	1
3033_3033	3033	3033	-55.593	-37.57	-0.034	0.028	0.926	-314.855	1
3033_3034	3033	3034	72.211	-13.98	-0.028	-0.081	-2.457	348.485	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3034_3034	3034	3034	-47.799	-42.462	-0.021	-0.015	1.007	-255.015	1
3034_3035	3034	3035	68.224	-10.728	-0.047	-0.002	-3.081	305.733	1
3035_3035	3035	3035	-37.114	-47.491	-0.015	-0.007	1.653	-179.767	1
3035_3036	3035	3036	62.124	-7.638	-0.078	-0.051	-5.305	250.009	1
3036_3036	3036	3036	-13.068	-3.791	-0.009	-0.057	0.083	-162.761	1
3036_3037	3036	3037	0.853	-52.405	0.015	-0.186	-3.264	236.036	1
3037_3037	3037	3037	-17.562	-6.323	0.013	0.03	2.254	-301.565	1
3037_3038	3037	3038	20.015	-45.123	0.02	-0.092	-3.315	371.996	1
3038_3038	3038	3038	-34.856	-8.695	0.018	0.113	2.631	-435.019	1
3038_3039	3038	3039	44.003	-42.224	-0.022	-0.183	-3.894	494.514	1
3039_3039	3039	3039	-57.058	-14.382	0.024	-0.013	3.196	-547.955	1
3039_3040	3039	3040	60.422	-35.749	-0.013	-0.033	-4.215	546.983	1
3040_3040	3040	3040	-70.386	-13.921	-0.036	0.07	3.775	-1602.782	1
3040_3041	3040	3041	71.436	-38.549	0.026	-0.104	-4.026	604.663	1
3041_3041	3041	3041	-88.523	-17.648	-0.018	-0.009	1.719	-603.422	1
3041_3042	3041	3042	90.395	-29.433	0.011	-0.018	-1.717	611.535	1
3042_3042	3042	3042	-93.856	-17.12	-0.007	0.018	1.588	-639.393	1
3042_3043	3042	3043	100.401	-32.13	0.003	-0.044	-1.665	668.259	1
3043_3043	3043	3043	-100.984	-23.001	-0.007	-0.021	1.583	-682.117	1
3043_3044	3043	3044	102.328	-25.699	0.002	-0.006	-1.618	676.738	1
3044_3044	3044	3044	-102.055	-19.805	-0.003	0.035	1.567	-685.794	1
3044_3045	3044	3045	108.676	-28.999	-0.002	-0.066	-1.611	713.13	1
3045_3045	3045	3045	-107.619	-25.947	-0.003	-0.056	1.586	-715.851	1
3045_3046	3045	3046	106.759	-22.662	-0.002	0.023	-1.599	700.679	1
3046_3046	3046	3046	-105.654	-22.398	-0.003	-0.012	1.595	-700.146	1
3046_3047	3046	3047	109.58	-26.13	-0.003	-0.008	-1.588	717.876	1
3047_3047	3047	3047	-108.592	-28.739	-0.001	-0.012	1.599	-714.769	1
3047_3048	3047	3048	104.654	-19.945	-0.004	-0.008	-1.593	688.536	1
3048_3048	3048	3048	-103.265	-25.384	0.001	-0.024	1.623	-680.436	1
3048_3049	3048	3049	103.958	-23.035	-0.006	0.005	-1.599	684.561	1
3049_3049	3049	3049	-102.314	-31.866	0.002	-0.016	1.657	-673.844	1
3049_3050	3049	3050	97.062	-17.116	-0.007	-0.003	-1.607	641.437	1
3050_3050	3050	3050	-93.044	-29.115	0.009	-0.021	1.71	-617.865	1
3050_3051	3050	3051	91.8	-17.582	-0.015	-0.002	-1.707	604.847	1
3051_3051	3051	3051	-79.42	-38.301	0.012	-0.075	2.176	-586.74	1
3051_3052	3051	3052	78.231	-13.675	-0.018	0.047	-2.056	580.014	1
3052_3052	3052	3052	-67.954	-35.424	-0.009	-0.033	2.269	-529.091	1
3052_3053	3052	3053	64.462	-14.253	0.013	0	-1.737	529.941	1
3053_3053	3053	3053	-45.958	-42.189	-0.017	-0.206	2.863	-505.956	1
3053_3054	3053	3054	37.221	-8.599	0.013	0.125	-1.962	446.693	1
3054_3054	3054	3054	-22.842	-45.209	0.024	-0.099	2.443	-379.616	1
3054_3055	3054	3055	20.073	-6.099	0.004	0.007	-1.746	311.735	1
3055_3055	3055	3055	-4.154	-52.698	0.019	-0.231	2.518	-239.895	1
3055_3056	3055	3056	16.717	-2.974	0.003	-0.085	0.527	141.875	1
3056_3056	3056	3056	-65.214	-7.587	-0.05	-0.054	3.604	-264.181	1
3056_3057	3056	3057	43.236	-47.175	-0.015	-0.01	-1.143	219.379	1
3057_3057	3057	3057	-70.9	-10.862	-0.03	-0.103	2.504	-334.487	1
3057_3058	3057	3058	52.166	-42.267	-0.024	0.022	-0.873	302.602	1
3058_3058	3058	3058	-74.848	-14.233	-0.02	-0.088	2.062	-384.576	1
3058_3059	3058	3059	58.864	-37.357	-0.032	0.003	-0.838	363.811	1
3059_3059	3059	3059	-76.801	-14.39	-0.043	-0.033	1.753	-421.929	1
3059_3060	3059	3060	66.682	-36.923	0.011	-0.062	-0.505	429.835	1
3060_3060	3060	3060	-79.233	-18.082	-0.035	-0.104	1.277	-462.48	1
3060_3061	3060	3061	71.352	-31.882	0.003	0.006	-0.275	468.378	1
3061_3061	3061	3061	-79.586	-22.288	-0.03	-0.087	0.894	-486.004	1
3061_3062	3061	3062	73.212	-27.175	-0.004	-0.016	-0.143	481.908	1
3062_3062	3062	3062	-78.053	-20.538	-0.03	-0.046	0.583	-491.11	1
3062_3063	3062	3063	76.595	-30.629	-0.014	-0.061	-0.14	504.789	1
3063_3063	3063	3063	-78.701	-23.689	-0.024	-0.03	0.379	-506.28	1
3063_3064	3063	3064	78.22	-26.964	-0.02	-0.074	-0.209	512.353	1
3064_3064	3064	3064	-78.453	-27.173	-0.018	-0.012	0.242	-512.011	1
3064_3065	3064	3065	78.29	-23.491	-0.026	-0.088	-0.348	505.995	1
3065_3065	3065	3065	-76.638	-30.847	-0.01	-0.139	0.176	-503.705	1
3065_3066	3065	3066	77.482	-20.36	-0.034	0.027	-0.563	490.387	1
3066_3066	3066	3066	-73.06	-27.325	-0.003	-0.001	0.191	-480.046	1
3066_3067	3066	3067	78.818	-22.112	-0.03	-0.118	-0.862	484.814	1
3067_3067	3067	3067	-70.981	-32.05	0.004	0.029	0.313	-465.768	1
3067_3068	3067	3068	78.301	-17.919	-0.036	-0.138	-1.234	461.124	1
3068_3068	3068	3068	-66.074	-37.107	0.013	-0.13	0.532	-426.347	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3068_3069	3068	3069	75.766	-14.26	-0.046	0.023	-1.717	420.953	1
3069_3069	3069	3069	-58.049	-37.465	-0.029	0.03	0.862	-359.623	1
3069_3070	3069	3070	73.799	-14.158	-0.022	-0.148	-2.032	384.513	1
3070_3070	3070	3070	-51.185	-42.386	-0.02	0.001	0.903	-298.082	1
3070_3071	3070	3071	69.92	-10.822	-0.035	-0.084	-2.503	335.969	1
3071_3071	3071	3071	-41.922	-47.327	-0.01	-0.03	1.267	-215.649	1
3071_3072	3071	3072	64.279	-7.611	-0.058	-0.043	-3.848	269.509	1
3072_3072	3072	3072	-9.431	-3.469	-0.005	-0.055	0.543	-134.876	1
3072_3073	3072	3073	4.502	-52.33	0.019	-0.228	-2.582	261.1	1
3073_3073	3073	3073	-18.877	-6.165	0.004	0.031	1.843	-313.575	1
3073_3074	3073	3074	24.327	-44.865	0.023	-0.107	-2.491	407.523	1
3074_3074	3074	3074	-36.116	-8.672	0.008	0.159	2.047	-452.74	1
3074_3075	3074	3075	48.93	-41.896	-0.01	-0.256	-2.79	540.019	1
3075_3075	3075	3075	-63.909	-14.42	0.007	-0.032	1.729	-539.978	1
3075_3076	3075	3076	72.959	-35.182	-0.004	-0.015	-2.169	567.215	1
3076_3076	3076	3076	-78.442	-13.746	-0.009	0.108	1.951	-594.545	1
3076_3077	3076	3077	85.796	-38.218	0.005	-0.149	-2.133	631.118	1
3077_3077	3077	3077	-81.299	-17.895	-0.014	-0.07	2.799	-658.108	1
3077_3078	3077	3078	88.37	-30.117	0.011	-0.003	-2.912	699.446	1
3078_3078	3078	3078	-87.542	-17.368	-0.014	0.004	2.772	-705.572	1
3078_3079	3078	3079	97.255	-32.818	0.01	-0.046	-2.762	759.072	1
3079_3079	3079	3079	-94.717	-23.002	-0.015	0.013	2.707	-756.025	1
3079_3080	3079	3080	99.674	-26.784	0.008	-0.055	-2.637	772.854	1
3080_3080	3080	3080	-97.256	-19.796	-0.006	0.04	2.606	-770.151	1
3080_3081	3080	3081	105.585	-30.325	0.001	-0.093	-2.584	813.319	1
3081_3081	3081	3081	-103.301	-25.604	-0.006	-0.061	2.587	-808.863	1
3081_3082	3081	3082	104.917	-24.361	0.001	0.01	-2.536	807.603	1
3082_3082	3082	3082	-103.349	-21.828	-0.002	0.024	2.555	-804.29	1
3082_3083	3082	3083	108.053	-27.716	-0.004	-0.076	-2.543	831.123	1
3083_3083	3083	3083	-107.548	-28.154	-0.001	-0.082	2.565	-830.444	1
3083_3084	3083	3084	103.773	-21.419	-0.005	0.029	-2.554	802.414	1
3084_3084	3084	3084	-104.262	-24.764	-0.002	0.011	2.584	-803.867	1
3084_3085	3084	3085	103.67	-25.156	-0.004	-0.064	-2.547	804.76	1
3085_3085	3085	3085	-104.812	-30.761	-0.002	-0.101	2.587	-806.893	1
3085_3086	3085	3086	97.667	-19.39	-0.004	0.047	-2.537	764.549	1
3086_3086	3086	3086	-98.757	-27.198	0.008	-0.018	2.595	-763.549	1
3086_3087	3086	3087	95.246	-22.584	-0.011	-0.036	-2.597	749.698	1
3087_3087	3087	3087	-96.237	-33.27	0.008	-0.111	2.704	-747.197	1
3087_3088	3087	3088	88.039	-16.981	-0.01	0.056	-2.612	698.009	1
3088_3088	3088	3088	-87.295	-30.339	0.021	-0.036	2.809	-685.328	1
3088_3089	3088	3089	82.359	-17.979	-0.028	-0.019	-2.825	654.177	1
3089_3089	3089	3089	-77.456	-38.348	0.019	-0.159	2.783	-661.838	1
3089_3090	3089	3090	72.098	-13.912	-0.024	0.105	-2.635	630.078	1
3090_3090	3090	3090	-66.072	-35.287	-0.012	-0.038	2.932	-596.199	1
3090_3091	3090	3091	58.691	-14.423	0.016	-0.021	-2.257	569.702	1
3091_3091	3091	3091	-48.823	-41.974	-0.02	-0.208	3.403	-539.827	1
3091_3092	3091	3092	36.148	-8.455	0.014	0.125	-2.393	450.64	1
3092_3092	3092	3092	-24.84	-44.834	0.034	-0.097	2.921	-406.083	1
3092_3093	3092	3093	19.098	-6.007	0.001	0.03	-2.205	309.139	1
3093_3093	3093	3093	-5.417	-52.458	0.029	-0.211	3.107	-257.825	1
3093_3094	3093	3094	10.516	-3.526	0.001	-0.063	-0.106	148.551	1
3094_3094	3094	3094	-64.393	-7.553	-0.057	-0.03	4.134	-266.895	1
3094_3095	3094	3095	42.344	-46.979	-0.022	-0.029	-1.318	218.504	1
3095_3095	3095	3095	-67.771	-10.86	-0.038	-0.131	3.678	-343.672	1
3095_3096	3095	3096	49.311	-42.092	-0.045	0.029	-1.357	309.835	1
3096_3096	3096	3096	-71.207	-14.284	-0.023	-0.114	3.077	-394.685	1
3096_3097	3096	3097	55.315	-37.066	-0.057	0.004	-1.386	372.378	1
3097_3097	3097	3097	-72.743	-14.327	-0.067	-0.031	2.681	-432.52	1
3097_3098	3097	3098	62.487	-36.875	0.019	-0.063	-0.881	440.881	1
3098_3098	3098	3098	-74.816	-18.069	-0.055	-0.113	1.963	-474.46	1
3098_3099	3098	3099	66.699	-31.761	0.006	0.015	-0.535	480.509	1
3099_3099	3099	3099	-74.936	-22.352	-0.047	-0.099	1.385	-498.635	1
3099_3100	3099	3100	68.258	-26.995	-0.004	-0.008	-0.346	493.828	1
3100_3100	3100	3100	-73.267	-20.371	-0.038	-0.323	0.914	-503.239	1
3100_3101	3100	3101	71.451	-30.789	-0.026	0.346	-0.395	518.42	1
3101_3101	3101	3101	-73.822	-23.555	-0.03	-0.377	0.655	-519.472	1
3101_3102	3101	3102	72.98	-27.062	-0.036	0.351	-0.559	526.819	1
3102_3102	3102	3102	-73.538	-27.087	-0.038	0.429	0.491	-525.802	1
3102_3103	3102	3103	73.074	-23.536	-0.029	-0.451	-0.738	520.748	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3103_3103	3103	3103	-71.821	-30.809	-0.025	0.257	0.337	-517.674	1
3103_3104	3103	3104	72.331	-20.351	-0.04	-0.239	-1.035	504.736	1
3104_3104	3104	3104	-68.427	-26.995	-0.004	0.03	0.318	-493.29	1
3104_3105	3104	3105	73.745	-22.316	-0.048	-0.14	-1.54	500.339	1
3105_3105	3105	3105	-66.615	-31.767	0.008	-0.048	0.539	-480.375	1
3105_3106	3105	3106	73.374	-18.028	-0.059	-0.044	-2.179	476.301	1
3106_3106	3106	3106	-62.145	-36.889	0.019	-0.031	0.936	-441.091	1
3106_3107	3106	3107	71.057	-14.282	-0.067	-0.062	-2.93	434.457	1
3107_3107	3107	3107	-54.714	-37.035	-0.055	0.003	1.475	-372.874	1
3107_3108	3107	3108	69.299	-14.249	-0.025	-0.085	-3.37	396.76	1
3108_3108	3108	3108	-48.477	-42.071	-0.043	0.023	1.496	-310.757	1
3108_3109	3108	3109	65.633	-10.813	-0.04	-0.103	-4.013	345.706	1
3109_3109	3109	3109	-41.148	-46.989	-0.024	-0.004	1.529	-220.308	1
3109_3110	3109	3110	61.846	-7.497	-0.055	-0.054	-4.577	269.32	1
3110_3110	3110	3110	-9.03	-2.139	0.002	-0.04	-0.182	-101.511	1
3110_3111	3110	3111	4.259	-51.506	0.034	-0.254	-3.632	270.264	1
3111_3111	3111	3111	-18.433	-6.414	-0.002	0.004	2.522	-220.134	1
3111_3112	3111	3112	22.796	-43.758	0.041	-0.091	-3.453	409.256	1
3112_3112	3112	3112	-35	-8.873	0.008	0.141	2.733	-458.243	1
3112_3113	3112	3113	45.442	-40.902	-0.009	-0.228	-3.842	532.788	1
3113_3113	3113	3113	-56.772	-14.934	0.009	-0.045	2.497	-571.676	1
3113_3114	3113	3114	61.173	-34.141	-0.001	-0.019	-3.18	578.276	1
3114_3114	3114	3114	-68.988	-14.367	-0.033	0.04	2.829	-624.558	1
3114_3115	3114	3115	71.434	-37.275	0.032	-0.08	-2.939	636.4	1
3115_3115	3115	3115	-85.419	-18.37	-0.027	0.01	2.226	-606.701	1
3115_3116	3115	3116	86.9	-28.661	0.026	-0.035	-2.068	612.887	1
3116_3116	3116	3116	-89.59	-17.323	-0.011	0.055	1.962	-636.48	1
3116_3117	3116	3117	95.273	-31.735	0.01	-0.095	-1.93	663.407	1
3117_3117	3117	3117	-95.864	-23.073	-0.013	-0.074	1.898	-676.395	1
3117_3118	3117	3118	96.623	-25.503	0.01	0.031	-1.776	669.711	1
3118_3118	3118	3118	-96.747	-19.623	-0.012	0.051	1.787	-679.715	1
3118_3119	3118	3119	102.08	-29.189	0.009	-0.092	-1.632	703.43	1
3119_3119	3119	3119	-101.775	-25.543	-0.013	-0.087	1.679	-708.843	1
3119_3120	3119	3120	100.224	-23.012	0.01	0.045	-1.481	691.634	1
3120_3120	3120	3120	-100.335	-21.585	-0.01	0.005	1.542	-696.468	1
3120_3121	3120	3121	102.687	-26.526	0.006	-0.037	-1.368	709.024	1
3121_3121	3121	3121	-103.676	-28.097	-0.01	-0.057	1.428	-715.156	1
3121_3122	3121	3122	96.913	-20.024	0.005	0.023	-1.266	675.049	1
3122_3122	3122	3122	-98.769	-24.588	-0.009	-0.005	1.319	-682.262	1
3122_3123	3122	3123	96.044	-23.966	0.004	-0.03	-1.183	673.145	1
3123_3123	3123	3123	-98.363	-30.764	-0.008	-0.068	1.226	-679.663	1
3123_3124	3123	3124	88.646	-18.023	0.004	0.032	-1.108	629.605	1
3124_3124	3124	3124	-90.656	-27.083	0	0.01	1.141	-631.657	1
3124_3125	3124	3125	85.549	-21.42	-0.005	-0.057	-1.13	612.862	1
3125_3125	3125	3125	-87.038	-33.318	0	-0.104	1.158	-611.073	1
3125_3126	3125	3126	77.433	-15.709	-0.003	0.058	-1.121	561.603	1
3126_3126	3126	3126	-76.342	-30.368	0	-0.022	1.178	-546.12	1
3126_3127	3126	3127	71.605	-16.942	-0.006	-0.021	-1.135	521.715	1
3127_3127	3127	3127	-68.783	-38.303	0	-0.066	1.069	-497.667	1
3127_3128	3127	3128	64.826	-12.81	-0.006	0.042	-1.038	480.373	1
3128_3128	3128	3128	-55.897	-34.993	0.004	-0.013	1.076	-433.52	1
3128_3129	3128	3129	52.148	-13.752	-0.005	-0.027	-1.035	432.329	1
3129_3129	3129	3129	-34.327	-41.797	0.002	-0.164	1.352	-403.516	1
3129_3130	3129	3130	27.294	-7.932	-0.008	0.1	-1.341	350.178	1
3130_3130	3130	3130	-12.026	-44.945	-0.04	-0.078	1.341	-274.052	1
3130_3131	3130	3131	11.875	-5.077	0.073	0.016	-0.448	216.779	1
3131_3131	3131	3131	5.956	-52.539	-0.045	-0.106	0.757	-129.658	1
3131_3132	3131	3132	14.836	-3.747	-0.024	-0.007	-1.202	196.961	1
3132_3132	3132	3132	-58.109	-5.334	0.075	-0.131	0.305	-184.249	1
3132_3133	3132	3133	37.431	-47.591	-0.111	0.154	0.001	165.975	1
3133_3133	3133	3133	-66.175	-8.924	0.073	-0.111	0.776	-264.13	1
3133_3134	3133	3134	48.453	-42.107	-0.102	0.113	-0.623	248.81	1
3134_3134	3134	3134	-71.328	-12.479	0.048	0.28	1.234	-318.311	1
3134_3135	3134	3135	56.226	-36.788	-0.087	-0.115	-1.154	312.657	1
3135_3135	3135	3135	-74.321	-13.235	-0.046	-0.015	1.558	-360.061	1
3135_3136	3135	3136	64.77	-36.092	0.027	-0.021	-0.782	378.945	1
3136_3136	3136	3136	-77.55	-17.145	-0.043	-0.007	1.154	-402.972	1
3136_3137	3136	3137	69.571	-30.752	0.021	-0.027	-0.481	416.632	1
3137_3137	3137	3137	-78.161	-21.589	-0.039	-0.057	0.783	-427.03	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3137_3138	3137	3138	71.034	-25.814	0.014	0.017	-0.272	428.535	1
3138_3138	3138	3138	-76.467	-19.258	-0.02	-0.006	0.454	-431.873	1
3138_3139	3138	3139	74.65	-30.05	-0.008	-0.035	-0.285	452.66	1
3139_3139	3139	3139	-77.47	-22.554	-0.016	0.003	0.338	-448.996	1
3139_3140	3139	3140	76.195	-26.167	-0.012	-0.042	-0.341	461.008	1
3140_3140	3140	3140	-77.365	-26.224	-0.01	-0.076	0.263	-456.365	1
3140_3141	3140	3141	75.895	-22.499	-0.017	0.036	-0.448	454.95	1
3141_3141	3141	3141	-75.409	-30.11	-0.008	0.014	0.244	-449.335	1
3141_3142	3141	3142	74.509	-19.206	-0.019	-0.051	-0.584	439.186	1
3142_3142	3142	3142	-71.363	-26.073	-0.003	0.009	0.262	-426.427	1
3142_3143	3142	3143	75.545	-21.373	-0.016	-0.045	-0.763	435.125	1
3143_3143	3143	3143	-69.169	-31.029	0.002	-0.039	0.353	-415.13	1
3143_3144	3143	3144	74.229	-16.927	-0.021	0.011	-0.991	411.454	1
3144_3144	3144	3144	-63.638	-36.371	0.005	0.018	0.509	-378.044	1
3144_3145	3144	3145	70.432	-13.045	-0.022	-0.048	-1.239	369.834	1
3145_3145	3145	3145	-54.399	-36.767	-0.04	-0.014	0.708	-312.675	1
3145_3146	3145	3146	67.202	-12.91	0.008	0.004	-1.255	331.572	1
3146_3146	3146	3146	-46.345	-41.982	-0.037	0.019	0.568	-252.108	1
3146_3147	3146	3147	61.774	-9.361	0.003	-0.047	-1.344	280.225	1
3147_3147	3147	3147	-35.066	-47.335	-0.032	0.002	0.494	-172.726	1
3147_3148	3147	3148	53.675	-5.989	-0.006	-0.033	-1.629	211.386	1
3148_3148	3148	3148	-19.301	-2.415	-0.002	-0.031	0.175	-155.961	1
3148_3149	3148	3149	-7.731	-50.606	0.014	-0.102	-1.428	192.24	1
3149_3149	3149	3149	-11.754	-6.49	0.006	0.016	1.048	-266.88	1
3149_3150	3149	3150	8.911	-42.987	0.017	-0.042	-1.314	317.847	1
3150_3150	3150	3150	-26.746	-9.086	0.006	0.041	1.162	-391.506	1
3150_3151	3150	3151	29.455	-39.976	-0.009	-0.074	-1.52	427.536	1
3151_3151	3151	3151	-51.52	-14.813	0.009	0.013	1.094	-460.512	1
3151_3152	3151	3152	49.337	-33.329	-0.004	-0.021	-1.301	438.131	1
3152_3152	3152	3152	-62.592	-14.251	-0.015	0.002	1.279	-498.593	1
3152_3153	3152	3153	59.798	-36.24	0.006	-0.014	-1.222	488.278	1
3153_3153	3153	3153	-74.728	-18.253	-0.011	0.003	0.985	-512.898	1
3153_3154	3153	3154	70.756	-28.096	0.003	-0.011	-0.927	499.204	1
3154_3154	3154	3154	-76.944	-17.241	-0.007	0.009	0.899	-532.079	1
3154_3155	3154	3155	78.677	-30.606	0.003	-0.023	-0.861	543.099	1
3155_3155	3155	3155	-81.983	-22.989	-0.008	-0.019	0.854	-563.282	1
3155_3156	3155	3156	79.066	-24.332	0.004	0.003	-0.799	544.733	1
3156_3156	3156	3156	-81.311	-20.224	-0.003	-0.006	0.793	-559.872	1
3156_3157	3156	3157	83.328	-27.788	0	-0.006	-0.785	568.983	1
3157_3157	3157	3157	-84.329	-25.699	-0.003	-0.003	0.778	-576.495	1
3157_3158	3157	3158	81.531	-22.174	-0.001	-0.008	-0.784	559.41	1
3158_3158	3158	3158	-81.747	-22.292	-0.001	-0.007	0.774	-560.927	1
3158_3159	3158	3159	83.94	-25.665	-0.003	-0.005	-0.8	573.892	1
3159_3159	3159	3159	-83.326	-27.877	0	-0.005	0.785	-569.114	1
3159_3160	3159	3160	80.751	-20.181	-0.004	-0.006	-0.825	556.274	1
3160_3160	3160	3160	-78.907	-24.565	0.004	0.003	0.809	-543.793	1
3160_3161	3160	3161	81.219	-22.957	-0.009	-0.02	-0.896	558.55	1
3161_3161	3161	3161	-78.222	-30.778	0.004	-0.023	0.885	-540.298	1
3161_3162	3161	3162	75.951	-17.209	-0.008	0.009	-0.95	526.158	1
3162_3162	3162	3162	-70.12	-28.422	0.003	-0.015	0.964	-495.237	1
3162_3163	3162	3163	73.261	-18.116	-0.012	0.009	-1.051	504.465	1
3163_3163	3163	3163	-60.275	-36.463	0.007	0.007	1.114	-474.375	1
3163_3164	3163	3164	62.453	-14.102	-0.015	-0.016	-1.203	481.344	1
3164_3164	3164	3164	-49.485	-33.85	-0.006	-0.022	1.202	-423.698	1
3164_3165	3164	3165	50.785	-14.481	0.01	0.016	-1.016	440.313	1
3165_3165	3165	3165	-31.388	-40.37	-0.009	-0.053	1.259	-396.261	1
3165_3166	3165	3166	27.468	-8.799	0.007	0.03	-0.964	358.788	1
3166_3166	3166	3166	-9.388	-43.642	0.015	-0.035	1.074	-286.81	1
3166_3167	3166	3167	11.577	-6.216	0.005	0.016	-0.866	237.974	1
3167_3167	3167	3167	8.413	-51.131	0.012	-0.082	1.181	-160.557	1
3167_3168	3167	3168	22.259	-2.799	0	-0.026	-0.14	179.735	1
3168_3168	3168	3168	-56.477	-6.082	-0.013	-0.013	1.418	-201.341	1
3168_3169	3168	3169	36.86	-47.725	-0.021	-0.017	-0.405	162.31	1
3169_3169	3169	3169	-64.804	-9.332	-0.003	-0.034	0.909	-268.335	1
3169_3170	3169	3170	48.945	-42.53	-0.022	0.006	-0.357	242.019	1
3170_3170	3170	3170	-70.721	-12.745	0.002	-0.028	0.812	-318.207	1
3170_3171	3170	3171	57.934	-37.444	-0.025	-0.001	-0.442	303.697	1
3171_3171	3171	3171	-74.457	-13.006	-0.015	-0.023	0.781	-356.464	1
3171_3172	3171	3172	67.957	-36.789	0.002	-0.004	-0.327	368.949	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3172_3172	3172	3172	-78.724	-16.77	-0.013	-0.02	0.618	-397.553	1
3172_3173	3172	3173	74.142	-31.543	-0.001	-0.008	-0.245	407.588	1
3173_3173	3173	3173	-80.507	-21.084	-0.01	-0.015	0.485	-422.414	1
3173_3174	3173	3174	76.809	-26.642	-0.003	-0.013	-0.202	421.592	1
3174_3174	3174	3174	-79.91	-19.373	-0.014	-0.053	0.383	-429.446	1
3174_3175	3174	3175	80.973	-30.144	-0.007	0.029	-0.201	443.752	1
3175_3175	3175	3175	-81.447	-22.614	-0.013	0.022	0.294	-445.239	1
3175_3176	3175	3176	82.972	-26.338	-0.009	-0.052	-0.229	450.973	1
3176_3176	3176	3176	-81.831	-26.211	-0.009	-0.05	0.228	-451.849	1
3176_3177	3176	3177	83.025	-22.734	-0.013	0.021	-0.297	444.522	1
3177_3177	3177	3177	-80.283	-30.013	-0.007	0.031	0.2	-444.824	1
3177_3178	3177	3178	81.909	-19.486	-0.014	-0.054	-0.387	428.848	1
3178_3178	3178	3178	-76.569	-26.606	-0.003	-0.004	0.201	-422.839	1
3178_3179	3178	3179	83.047	-21.208	-0.01	-0.033	-0.484	421.971	1
3179_3179	3179	3179	-74.447	-31.49	-0.001	0.005	0.244	-408.706	1
3179_3180	3179	3180	81.799	-16.899	-0.012	-0.039	-0.607	397.344	1
3180_3180	3180	3180	-68.831	-36.718	0.003	-0.034	0.323	-370.092	1
3180_3181	3180	3181	78.036	-13.131	-0.016	0.001	-0.769	356.396	1
3181_3181	3181	3181	-59.372	-37.499	-0.025	0.013	0.44	-304.975	1
3181_3182	3181	3182	74.737	-12.841	0.003	-0.045	-0.789	318.186	1
3182_3182	3182	3182	-50.876	-42.552	-0.021	-0.008	0.355	-243.076	1
3182_3183	3182	3183	69.267	-9.446	-0.004	-0.008	-0.889	268.453	1
3183_3183	3183	3183	-39.635	-47.657	-0.02	-0.006	0.364	-161.716	1
3183_3184	3183	3184	61.856	-6.195	-0.01	-0.028	-1.225	199.647	1
3184_3184	3184	3184	-14.515	-3.576	-0.004	-0.029	0.248	-155.366	1
3184_3185	3184	3185	-5.04	-52.897	0.009	-0.083	-1.027	142.214	1
3185_3185	3185	3185	-13.781	-5.518	0.006	0.016	0.766	-223.027	1
3185_3186	3185	3186	14.564	-45.567	0.011	-0.037	-0.945	281.867	1
3186_3186	3186	3186	-30.891	-8.098	0.009	0.038	0.87	-348.776	1
3186_3187	3186	3187	39.212	-42.158	-0.014	-0.065	-1.181	405.94	1
3187_3187	3187	3187	-55.847	-13.636	0.012	0.013	0.956	-439.074	1
3187_3188	3187	3188	59.976	-35.615	-0.01	-0.021	-1.185	447.599	1
3188_3188	3188	3188	-69.851	-13.54	-0.009	0.005	1.17	-490.346	1
3188_3189	3188	3189	72.465	-37.756	0	-0.019	-1.156	505.62	1
3189_3189	3189	3189	-80.549	-17.61	-0.007	0.005	1.026	-544.667	1
3189_3190	3189	3190	83.037	-29.961	-0.002	-0.016	-1.04	563.205	1
3190_3190	3190	3190	-85.989	-17.123	-0.005	-0.001	1.001	-581.557	1
3190_3191	3190	3191	92.175	-31.97	-0.002	-0.016	-1.033	616.015	1
3191_3191	3191	3191	-92.823	-22.726	-0.003	0.003	0.996	-623.447	1
3191_3192	3191	3192	94.007	-25.9	-0.003	-0.019	-1.048	626.048	1
3192_3192	3192	3192	-94.167	-20.415	-0.002	-0.003	1.007	-630.896	1
3192_3193	3192	3193	98.954	-28.916	-0.004	-0.014	-1.069	655.304	1
3193_3193	3193	3193	-98.365	-25.766	-0.001	0	1.025	-654.677	1
3193_3194	3193	3194	98.013	-23.466	-0.005	-0.016	-1.107	650.186	1
3194_3194	3194	3194	-97.037	-22.814	0.003	-0.005	1.059	-645.44	1
3194_3195	3194	3195	100.661	-26.484	-0.009	-0.011	-1.176	666.585	1
3195_3195	3195	3195	-99.196	-28.263	0.005	-0.002	1.132	-657.189	1
3195_3196	3195	3196	97.905	-21.176	-0.009	-0.013	-1.251	650.594	1
3196_3196	3196	3196	-95.477	-25.418	0.007	-0.024	1.224	-634.657	1
3196_3197	3196	3197	98.131	-23.489	-0.013	0.015	-1.356	651.6	1
3197_3197	3197	3197	-94.835	-31.457	0.009	0.014	1.348	-631.065	1
3197_3198	3197	3198	92.805	-17.954	-0.015	-0.023	-1.467	617.964	1
3198_3198	3198	3198	-87.056	-29.659	0.007	-0.01	1.5	-585.637	1
3198_3199	3198	3199	89.022	-18.429	-0.012	-0.004	-1.54	590.352	1
3199_3199	3199	3199	-77.608	-37.571	0.008	-0.038	1.721	-532.395	1
3199_3200	3199	3200	78.372	-14.437	-0.014	0.021	-1.672	535.88	1
3200_3200	3200	3200	-66.326	-35.918	-0.002	-0.024	1.803	-481.62	1
3200_3201	3200	3201	64.255	-14.202	0.007	0.006	-1.467	488.459	1
3201_3201	3201	3201	-43.968	-42.462	-0.008	-0.14	2.661	-461.081	1
3201_3202	3201	3202	36.64	-8.802	0.008	0.091	-1.916	414.647	1
3202_3202	3202	3202	-20.449	-46.047	0.024	-0.083	2.397	-343.969	1
3202_3203	3202	3203	18.843	-6.222	0	0.048	-1.721	286.606	1
3203_3203	3203	3203	-1.063	-53.135	0.021	-0.169	2.5	-209.321	1
3203_3204	3203	3204	11.445	-2.711	0	-0.051	0.132	117.363	1
3204_3204	3204	3204	-65.464	-7.569	-0.038	-0.069	3.204	-248.205	1
3204_3205	3204	3205	41.781	-48.39	-0.011	0.011	-1.069	191.191	1
3205_3205	3205	3205	-72.405	-10.639	-0.027	-0.007	2.18	-317.823	1
3205_3206	3205	3206	52.81	-43.615	-0.014	-0.008	-0.744	275.12	1
3206_3206	3206	3206	-77.092	-13.791	-0.017	-0.05	1.787	-364.535	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3206_3207	3206	3207	61.216	-38.897	-0.021	0.019	-0.661	338.671	1
3207_3207	3207	3207	-79.94	-14.205	-0.033	-0.03	1.512	-401.002	1
3207_3208	3207	3208	70.482	-37.839	-0.001	-0.02	-0.445	404.806	1
3208_3208	3208	3208	-83.183	-17.733	-0.027	-0.018	1.135	-439.663	1
3208_3209	3208	3209	76.44	-32.903	-0.007	-0.03	-0.319	445.978	1
3209_3209	3209	3209	-84.323	-21.743	-0.02	-0.069	0.838	-463.544	1
3209_3210	3209	3210	79.343	-28.237	-0.014	0.013	-0.292	463.831	1
3210_3210	3210	3210	-83.542	-20.636	-0.028	-0.014	0.632	-471.697	1
3210_3211	3210	3211	83.16	-30.866	-0.012	-0.039	-0.292	486.004	1
3211_3211	3211	3211	-84.531	-23.719	-0.023	-0.004	0.455	-486.288	1
3211_3212	3211	3212	85.08	-27.278	-0.017	-0.047	-0.354	493.966	1
3212_3212	3212	3212	-84.554	-27.119	-0.016	-0.08	0.336	-492.344	1
3212_3213	3212	3213	85.312	-23.871	-0.024	0.027	-0.485	489.008	1
3213_3213	3213	3213	-82.899	-30.7	-0.012	0.011	0.29	-485.529	1
3213_3214	3213	3214	84.563	-20.777	-0.027	-0.061	-0.666	475.432	1
3214_3214	3214	3214	-79.348	-28.149	-0.013	-0.047	0.302	-464.522	1
3214_3215	3214	3215	85.634	-21.893	-0.02	0.011	-0.869	486.53	1
3215_3215	3215	3215	-76.754	-32.797	-0.008	0.011	0.345	-447.906	1
3215_3216	3215	3216	84.768	-17.871	-0.024	-0.054	-1.142	445.744	1
3216_3216	3216	3216	-71.121	-37.722	-0.002	0.018	0.467	-408.053	1
3216_3217	3216	3217	81.753	-14.328	-0.029	-0.057	-1.495	407.923	1
3217_3217	3217	3217	-62.184	-38.868	-0.028	-0.018	0.674	-343.405	1
3217_3218	3217	3218	79.027	-13.855	-0.016	-0.04	-1.756	371.75	1
3218_3218	3218	3218	-54.034	-43.572	-0.022	0.031	0.709	-280.801	1
3218_3219	3218	3219	74.435	-10.689	-0.021	-0.099	-2.102	325.051	1
3219_3219	3219	3219	-43.614	-48.266	-0.008	-0.043	0.861	-195.964	1
3219_3220	3219	3220	67.888	-7.586	-0.041	0.004	-2.785	253.013	1
3220_3220	3220	3220	-11.783	-3.907	-0.006	-0.052	-0.227	-130.365	1
3220_3221	3220	3221	3.153	-53.969	0.021	-0.23	-2.094	217.96	1
3221_3221	3221	3221	-20.942	-6.213	0	-0.011	1.498	-293.239	1
3221_3222	3221	3222	24.083	-47.234	0.026	-0.097	-1.941	360.393	1
3222_3222	3222	3222	-39.571	-8.665	0.012	0.201	1.598	-421.705	1
3222_3223	3222	3223	50.379	-43.994	-0.013	-0.318	-2.256	491.027	1
3223_3223	3223	3223	-68.616	-13.763	0.007	-0.103	1.242	-499.088	1
3223_3224	3223	3224	75.807	-37.689	-0.003	0.024	-1.578	521.826	1
3224_3224	3224	3224	-84.786	-13.923	-0.006	0.157	1.431	-555.352	1
3224_3225	3224	3225	88.965	-39.474	0.001	-0.212	-1.58	580.958	1
3225_3225	3225	3225	-90.127	-17.792	-0.008	-0.115	1.517	-641.099	1
3225_3226	3225	3226	95.3	-30.933	0.004	0.02	-1.594	683.858	1
3226_3226	3226	3226	-97.262	-18.544	-0.008	0.138	1.524	-693.536	1
3226_3227	3226	3227	104.089	-32.299	0	-0.23	-1.557	739.429	1
3227_3227	3227	3227	-103.99	-24.303	-0.009	-0.176	1.502	-739.072	1
3227_3228	3227	3228	105.162	-26.089	0.001	0.085	-1.511	745.937	1
3228_3228	3228	3228	-104.984	-22.715	-0.002	0.132	1.461	-745.85	1
3228_3229	3228	3229	108.61	-27.89	-0.006	-0.225	-1.548	767.824	1
3229_3229	3229	3229	-108.146	-28.75	-0.004	-0.192	1.496	-765.763	1
3229_3230	3229	3230	104.596	-21.853	-0.005	0.105	-1.578	741.978	1
3230_3230	3230	3230	-103.926	-27.189	0.003	0.109	1.523	-738.323	1
3230_3231	3230	3231	103.225	-23.159	-0.009	-0.199	-1.642	732.162	1
3231_3231	3231	3231	-101.82	-33.537	0.001	-0.192	1.622	-724.59	1
3231_3232	3231	3232	95.293	-17.398	-0.007	0.112	-1.668	678.96	1
3232_3232	3232	3232	-91.758	-33.205	-0.004	0.032	1.7	-660.278	1
3232_3233	3232	3233	92.406	-19.844	0.009	-0.103	-1.538	657.806	1
3233_3233	3233	3233	-86.576	-37.324	-0.006	0.011	1.676	-627.093	1
3233_3234	3233	3234	87.033	-16.363	0.008	-0.065	-1.418	620.273	1
3234_3234	3234	3234	-78.467	-41.579	-0.015	-0.144	2.54	-580.672	1
3234_3235	3234	3235	76.024	-12.574	0.014	0.102	-2	563.982	1
3235_3235	3235	3235	-63.975	-42.373	0.06	0.006	2.345	-504.55	1
3235_3236	3235	3236	68.351	-13.371	-0.07	-0.061	-2.34	531.357	1
3236_3236	3236	3236	-53.226	-45.546	0.064	-0.054	2.663	-455.736	1
3236_3237	3236	3237	59.987	-11.212	-0.067	0.014	-2.611	495.709	1
3237_3237	3237	3237	-34.247	-48.497	0.102	-0.363	4.693	-454.512	1
3237_3238	3237	3238	35.487	-8.185	-0.087	0.273	-4.678	458.244	1
3238_3238	3238	3238	-16.542	-40.435	-0.085	-0.12	5.699	-333.017	1
3238_3239	3238	3239	25.897	-12.851	0.064	-0.032	-3.502	401.642	1
3239_3239	3239	3239	-6.205	-45.888	-0.089	-0.288	4.667	-272.094	1
3239_3240	3239	3240	15.092	-8.583	0.053	0.162	-2.444	304.716	1
3240_3240	3240	3240	3.495	-39.323	-0.087	-0.203	3.506	-169.869	1
3240_3241	3240	3241	13.121	-18.036	0.032	-0.002	-2.005	280.717	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3241_3241	3241	3241	-82.153	-15.266	0.01	-0.062	4.745	-398.411	1
3241_3242	3241	3242	56.782	-38.515	-0.022	0.022	-2.843	303.128	1
3242_3242	3242	3242	-83.814	-19.752	0.03	-0.288	4.127	-427.886	1
3242_3243	3242	3243	59.107	-34.445	-0.027	0.158	-2.314	330.009	1
3243_3243	3243	3243	-82.302	-13.116	-0.145	0.005	4.143	-434.497	1
3243_3244	3243	3244	69.996	-41.481	0.066	-0.11	-1.003	427.442	1
3244_3244	3244	3244	-86.334	-16.855	-0.128	-0.136	2.487	-489.432	1
3244_3245	3244	3245	78.111	-35.55	0.033	0.012	-0.17	497.165	1
3245_3245	3245	3245	-88.004	-18.85	-0.039	0.095	0.977	-526.966	1
3245_3246	3245	3246	84.621	-32.918	-0.017	-0.238	-0.102	548.336	1
3246_3246	3246	3246	-89.427	-23.55	-0.013	-0.229	0.505	-559.015	1
3246_3247	3246	3247	87.036	-27.498	-0.035	0.082	-0.292	561.563	1
3247_3247	3247	3247	-88.353	-24.991	-0.05	0.09	0.402	-565.612	1
3247_3248	3247	3248	89.051	-26.18	0.024	-0.236	0.002	566.876	1
3248_3248	3248	3248	-87.525	-30.002	-0.037	-0.182	-0.012	-568.009	1
3248_3249	3248	3249	88.185	-20.909	0.004	0.037	0.056	541.411	1
3249_3249	3249	3249	-82.359	-32.847	0.013	0.05	-0.326	-531.315	1
3249_3250	3249	3250	87.085	-18.671	-0.035	-0.202	-0.407	508.681	1
3250_3250	3250	3250	-75.673	-38.853	0.033	-0.135	-0.001	-476.363	1
3250_3251	3250	3251	84.265	-14.796	-0.042	0.006	-0.858	460.786	1
3251_3251	3251	3251	-65.829	-30.918	0.057	0.106	0.547	-390.998	1
3251_3252	3251	3252	87.569	-21.741	-0.232	-0.293	-2.79	462.928	1
3252_3252	3252	3252	-64.55	-35.503	0.099	-0.032	1.443	-369.482	1
3252_3253	3252	3253	87.347	-17.484	-0.277	-0.055	-5.324	438.978	1
3253_3253	3253	3253	-61.636	-40.286	0.131	-0.077	2.794	-326.244	1
3253_3254	3253	3254	85.328	-14.049	-0.288	-0.001	-7.56	398.191	1
3254_3254	3254	3254	-56.848	-33.545	-0.17	0.152	4.582	-272.035	1
3254_3255	3254	3255	86.846	-23.836	0.251	0.548	-6.91	403.591	1
3255_3255	3255	3255	-13.787	-9.6	-0.179	0.175	3.247	-288.595	1
3255_3256	3255	3256	1.443	-47.556	0.343	-0.428	-1.97	235.302	1
3256_3256	3256	3256	-23.001	-13.18	-0.228	-0.058	1.57	-373.845	1
3256_3257	3256	3257	10.169	-43.947	0.36	-0.222	0.892	294.456	1
3257_3257	3257	3257	-29.878	-7.171	0.116	0.202	-0.46	-421.316	1
3257_3258	3257	3258	27.083	-51.198	-0.129	-0.312	-0.374	423.264	1
3258_3258	3258	3258	-44.814	-10.241	0.12	0.064	0.595	-520.886	1
3258_3259	3258	3259	43.043	-46.951	-0.127	-0.185	-1.51	514.496	1
3259_3259	3259	3259	-68.621	-12.972	0.075	-0.127	0.992	-536.033	1
3259_3260	3259	3260	59.148	-45.299	-0.077	0.059	-1.225	490.031	1
3260_3260	3260	3260	-73.352	-11.56	0.022	0.152	1.214	-553.41	1
3260_3261	3260	3261	74.161	-44.818	-0.041	-0.211	-1.578	555.488	1
3261_3261	3261	3261	-85.778	-14.608	0.027	0.051	1.409	-605.753	1
3261_3262	3261	3262	88.177	-39.725	-0.036	-0.102	-1.979	622.415	1
3262_3262	3262	3262	-99.696	-18.774	0.023	-0.136	1.293	-616.349	1
3262_3263	3262	3263	98.579	-35.607	-0.021	0.066	-1.633	622.161	1
3263_3263	3263	3263	-103.872	-16.933	-0.004	0.087	1.539	-643.333	1
3263_3264	3263	3264	109.85	-35.732	-0.008	-0.141	-1.681	686.839	1
3264_3264	3264	3264	-112.169	-21.851	-0.003	-0.049	1.592	-694.161	1
3264_3265	3264	3265	114.575	-29.826	-0.009	-0.004	-1.75	714.457	1
3265_3265	3265	3265	-115.422	-21.281	-0.002	0.106	1.66	-715.31	1
3265_3266	3265	3266	120.273	-30.579	-0.007	-0.17	-1.786	747.56	1
3266_3266	3266	3266	-120.719	-26.771	-0.004	-0.118	1.715	-746.844	1
3266_3267	3266	3267	119.095	-25.03	-0.006	0.055	-1.819	741.781	1
3267_3267	3267	3267	-119.388	-25.82	0.005	0.069	1.758	-740.478	1
3267_3268	3267	3268	119.241	-25.858	-0.013	-0.125	-1.923	743.212	1
3268_3268	3268	3268	-119.41	-31.492	0.005	-0.093	1.89	-741.595	1
3268_3269	3268	3269	112.917	-20.483	-0.012	0.039	-2.005	707.507	1
3269_3269	3269	3269	-112.513	-31.026	0.005	0.065	2.019	-703.636	1
3269_3270	3269	3270	107.815	-20.439	-0.001	-0.127	-1.924	677.438	1
3270_3270	3270	3270	-105.71	-37.215	0.001	-0.132	2.102	-666.241	1
3270_3271	3270	3271	97.207	-15.331	0.002	0.076	-1.785	614.756	1
3271_3271	3271	3271	-91.319	-39.114	0.014	0.077	2.076	-585.732	1
3271_3272	3271	3272	91.677	-16.039	-0.015	-0.14	-1.814	581.17	1
3272_3272	3272	3272	-76.774	-42.96	0.019	-0.054	2.876	-586.512	1
3272_3273	3272	3273	74.108	-12.327	-0.014	-0.009	-2.395	571.166	1
3273_3273	3273	3273	-60.12	-47.974	0.018	-0.268	2.997	-499.372	1
3273_3274	3273	3274	60.345	-9.504	-0.006	0.194	-2.248	507.304	1
3274_3274	3274	3274	-42.645	-38.143	-0.121	0.039	3.08	-409.933	1
3274_3275	3274	3275	58.764	-19.016	0.091	-0.104	-1.972	503.921	1
3275_3275	3275	3275	-32.794	-39.315	-0.19	-0.095	4.37	-441.274	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3275_3276	3275	3276	41.623	-15.379	0.131	-0.054	-1.556	517.899	1
3276_3276	3276	3276	-22.427	-43.647	-0.186	-0.292	2.567	-396.557	1
3276_3277	3276	3277	31.028	-11.815	0.122	0.173	-0.186	458.028	1
3277_3277	3277	3277	-11.822	-39.088	0.126	-0.48	0.841	-332.7	1
3277_3278	3277	3278	22.779	-15.047	-0.094	0.401	-0.922	409.341	1
3278_3278	3278	3278	-2.961	-44.15	0.115	-0.676	1.893	-288.229	1
3278_3279	3278	3279	14.438	-11.284	-0.084	0.55	-1.447	331.171	1
3279_3279	3279	3279	-90.785	-21.335	-0.043	1.531	3.382	-464.399	1
3279_3280	3279	3280	61.014	-34.964	0.067	-1.407	-1.197	313.827	1
3280_3280	3280	3280	-89.504	-15.199	-0.031	0.161	3.002	-462.339	1
3280_3281	3280	3281	64.196	-40.512	-0.015	-0.212	-1.007	350.659	1
3281_3281	3281	3281	-91.201	-17.774	-0.008	-0.053	2.29	-478.51	1
3281_3282	3281	3282	68.627	-34.907	-0.023	-0.039	-0.747	387.884	1
3282_3282	3282	3282	-91.24	-22.323	0.013	-0.256	1.959	-497.607	1
3282_3283	3282	3283	69.938	-30.283	-0.03	0.081	-0.677	403.507	1
3283_3283	3283	3283	-78.084	-19.761	-0.327	0.131	5.751	-534.123	1
3283_3284	3283	3284	65.855	-30.901	0.034	-0.263	-0.08	490.299	1
3284_3284	3284	3284	-75.228	-25.896	-0.234	-0.327	1.429	-542.701	1
3284_3285	3284	3285	66.577	-24.547	-0.068	0.122	-0.349	487.778	1
3285_3285	3285	3285	-69.155	-22.234	0.024	0.134	-0.908	-506.527	1
3285_3286	3285	3286	71.673	-26.887	-0.007	-0.322	-0.732	518.899	1
3286_3286	3286	3286	-68.604	-28.805	0.051	-0.34	-0.197	-516.068	1
3286_3287	3286	3287	72.882	-21.201	-0.035	0.16	-1.242	501.863	1
3287_3287	3287	3287	-64.717	-25.961	-0.045	0.1	0.653	-478.73	1
3287_3288	3287	3288	79.022	-24.072	-0.071	-0.296	-2.068	524.264	1
3288_3288	3288	3288	-64.467	-32.362	0.005	-0.223	0.705	-469.138	1
3288_3289	3288	3289	81.889	-18.702	-0.133	0.097	-3.794	508.11	1
3289_3289	3289	3289	-60.771	-30.368	-0.066	0.111	1.574	-412.658	1
3289_3290	3289	3290	86.712	-23.103	-0.025	-0.356	-4.363	524.505	1
3290_3290	3290	3290	-61.035	-34.989	-0.037	-0.023	1.687	-394.89	1
3290_3291	3290	3291	88.814	-19.231	-0.074	-0.088	-5.412	516.554	1
3291_3291	3291	3291	-60.361	-39.587	-0.004	-0.191	2.197	-367.519	1
3291_3292	3291	3292	89.447	-15.888	-0.123	0.13	-7.066	500.889	1
3292_3292	3292	3292	-58.764	-36.173	-0.142	1.196	3.089	-317.752	1
3292_3293	3292	3293	90.87	-23.198	0.283	-0.487	-6.556	507.682	1
3293_3293	3293	3293	-14.528	-10.485	0.035	0.04	1.443	-357.61	1
3293_3294	3293	3294	12.764	-48.68	0.273	-0.349	-2.488	411.703	1
3294_3294	3294	3294	-21.799	-13.651	-0.028	-0.41	1.881	-452.815	1
3294_3295	3294	3295	24.703	-43.857	0.314	0.112	0.284	523.616	1
3295_3295	3295	3295	-30.076	-9.366	-0.026	0.437	1.012	-538.986	1
3295_3296	3295	3296	40.974	-47.238	-0.031	-0.679	-0.005	683.957	1
3296_3296	3296	3296	-43.904	-13.748	-0.007	-0.177	0.386	-676.963	1
3296_3297	3296	3297	52.192	-42.851	-0.027	0.02	-0.433	777.898	1
3297_3297	3297	3297	-62.016	-17.415	0.005	-0.448	0.185	-703.766	1
3297_3298	3297	3298	66.777	-40.323	-0.017	0.341	-0.452	756.006	1
3298_3298	3298	3298	-65.986	-13.672	0.048	0.251	0.212	-736.532	1
3298_3299	3298	3299	76.559	-42.75	-0.052	-0.356	-1.005	849.935	1
3299_3299	3299	3299	-74.275	-17.272	0.053	-0.014	0.665	-821.155	1
3299_3300	3299	3300	82.692	-38.795	-0.045	-0.044	-1.427	913.992	1
3300_3300	3300	3300	-68.325	-20.957	0.088	-0.51	1.734	-947.317	1
3300_3301	3300	3301	74.386	-35.551	-0.057	0.385	-2.623	1030.275	1
3301_3301	3301	3301	-71.567	-17.237	-0.058	0.507	2.46	-991.436	1
3301_3302	3301	3302	82.2	-37.338	0.053	-0.715	-1.884	1133.924	1
3302_3302	3302	3302	-79.165	-22.751	-0.064	-0.558	1.871	-1093.607	1
3302_3303	3302	3303	85.452	-31.312	0.052	0.408	-1.175	1176.918	1
3303_3303	3303	3303	-83.072	-20.62	-0.015	0.417	1.158	-1145.927	1
3303_3304	3303	3304	90.302	-33.699	0.016	-0.581	-0.905	1241.241	1
3304_3304	3304	3304	-89.026	-26.668	-0.019	-0.541	0.985	-1224.967	1
3304_3305	3304	3305	90.436	-28.22	0.019	0.399	-0.623	1242.868	1
3305_3305	3305	3305	-90.228	-23.397	-0.023	0.506	0.764	-1240.695	1
3305_3306	3305	3306	92.651	-31.022	0.022	-0.677	-0.238	1272.096	1
3306_3306	3306	3306	-93.61	-29.583	-0.027	-0.742	0.424	-1285.421	1
3306_3307	3306	3307	90.455	-25.796	0.024	0.554	0.097	1242.474	1
3307_3307	3307	3307	-92.43	-25.576	-0.022	0.475	0.083	-1269.553	1
3307_3308	3307	3308	90.244	-29.05	0.017	-0.617	0.38	1238.736	1
3308_3308	3308	3308	-93.583	-31.44	-0.025	-0.654	-0.251	-1284.741	1
3308_3309	3308	3309	85.44	-23.358	0.017	0.453	0.604	1173.233	1
3309_3309	3309	3309	-90.294	-27.643	-0.027	0.419	-0.577	-1240.781	1
3309_3310	3309	3310	81.875	-26.061	0.036	-0.517	0.997	1123.121	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3310_3310	3310	3310	-89.207	-33.325	-0.031	-0.52	-0.942	-1225.921	1
3310_3311	3310	3311	72.087	-19.325	0.036	0.308	1.343	988.402	1
3311_3311	3311	3311	-83.059	-30.904	-0.023	0.351	-1.402	-1143.24	1
3311_3312	3311	3312	60.305	-18.555	-0.046	-0.364	0.537	825.004	1
3312_3312	3312	3312	-77.656	-37.364	0.001	-0.531	-1.435	-1069.745	1
3312_3313	3312	3313	42.456	-11.048	-0.04	0.226	-0.222	579.709	1
3313_3313	3313	3313	-65.779	-37.237	-0.062	0.131	-0.841	-908.99	1
3313_3314	3313	3314	29.453	-8.746	0.037	-0.143	0.309	401.393	1
3314_3314	3314	3314	-49.972	-45.835	-0.076	-0.554	-1.288	-694.097	1
3314_3315	3314	3315	13.86	-3.645	0.022	0.145	0.404	188.808	1
3315_3315	3315	3315	-23.057	-56.455	0.219	0.386	-1.792	-328.627	1
3315_3316	3315	3316	1.157	-3.269	0.019	-0.216	0	4.728	1
3400_3020	3400	3020	29.335	-16.536	-2.071	0.045	-6.068	-422.505	1
3400_3401	3400	3401	-20.437	-1.325	1.488	0.042	-17.377	-110.796	1
3401_3401	3401	3401	26.658	-13.699	0.764	0.209	-12.708	-360.646	1
3401_3402	3401	3402	-18.82	-1.45	1.129	-0.133	-12.096	-102.183	1
3402_3402	3402	3402	26.288	-13.06	0.699	-0.114	-9.939	-313.653	1
3402_3403	3402	3403	-25.316	-1.98	1.409	-0.025	0.42	-93.139	1
3403_3403	3403	3403	22.671	-10.119	0.101	-0.02	-2.273	-172.194	1
3403_3404	3403	3404	-31.263	-2.884	-0.018	-0.049	-0.11	-78.09	1
3404_3404	3404	3404	22.895	-9.598	0.086	-0.064	-1.572	-99.298	1
3404_3405	3404	3405	-34.984	-3.647	0.017	-0.113	-0.095	-55.397	1
3405_3405	3405	3405	21.403	-7.574	0.065	-0.033	-0.911	-27.599	1
3405_3406	3405	3406	-39.743	-4.995	0.063	-0.091	0.516	13.746	1
3406_3406	3406	3406	20.147	-6.415	-0.085	-0.12	0.028	85.729	1
3406_3407	3406	3407	-44.325	-6.6	-0.697	-0.185	-5.928	69.339	1
3407_3407	3407	3407	20.273	-6.005	-0.118	0.161	-0.608	142.537	1
3407_3408	3407	3408	-45.693	-7.524	-0.594	0.061	-9.083	109.428	1
3408_3408	3408	3408	22.837	-10.306	0.893	-0.082	-3.395	155.39	1
3408_3409	3408	3409	-13.23	-0.199	0.626	-0.531	-5.564	49.406	1
3409_3409	3409	3409	-12.433	-0.097	0.27	0.547	-6.226	46.394	1
3409_3410	3409	3410	-21.043	-10.035	0.684	-0.042	2.539	-157.561	1
3410_3410	3410	3410	49.998	-7.224	0.177	0.188	-1.939	-111.516	1
3410_3411	3410	3411	-20.033	-5.904	-0.1	0.213	0.46	-141.603	1
3411_3411	3411	3411	48.512	-6.173	0.02	0.028	-0.655	-73.059	1
3411_3412	3411	3412	-19.903	-6.329	-0.058	-0.145	0.104	-85.511	1
3412_3412	3412	3412	49.352	-4.69	-0.033	0.081	-0.331	-19.826	1
3412_3413	3412	3413	-20.119	-7.432	0.057	-0.024	0.918	23.712	1
3413_3413	3413	3413	48.392	-3.385	0.099	0.006	-0.652	45.323	1
3413_3414	3413	3414	-20.874	-9.377	0.05	-0.112	1.335	94.772	1
3414_3414	3414	3414	44.283	-2.305	0.009	0.14	0.086	66.418	1
3414_3415	3414	3415	-22.752	-9.889	0.09	0.047	1.969	168.026	1
3415_3415	3415	3415	43.326	-1.268	-2.017	-0.063	0.389	78.656	1
3415_3416	3415	3416	-25.706	-12.791	0.674	-0.001	9.433	305.847	1
3416_3416	3416	3416	36.002	-0.335	-1.783	0.419	-18.775	80.324	1
3416_3417	3416	3417	-26.328	-13.416	0.72	-0.13	12.334	351.602	1
3417_3417	3417	3417	34.552	-0.405	-1.391	-0.065	-24.793	78.169	1
3417_3036	3417	3036	-27.004	-16.271	-2.36	0.05	3.401	417.108	1
3420_3056	3420	3056	30.416	-15.376	-2.467	0.045	-2.382	-372.735	1
3420_3421	3420	3421	-16.027	-0.524	1.142	0.035	-11.421	-68.603	1
3421_3421	3421	3421	27.664	-12.559	0.705	-0.071	-10.786	-316.284	1
3421_3422	3421	3422	-16	-0.639	0.837	-0.161	-8.119	-66.374	1
3422_3422	3422	3422	27.274	-11.907	0.671	-0.024	-8.167	-273.423	1
3422_3423	3422	3423	-21.831	-1.08	1.099	-0.002	1.322	-66.156	1
3423_3423	3423	3423	23.506	-8.975	0.035	-0.005	-0.927	-145.98	1
3423_3424	3423	3424	-27.914	-1.876	-0.104	-0.034	0.433	-59.674	1
3424_3424	3424	3424	21.785	-8.441	0.021	-0.065	-0.707	-80.033	1
3424_3425	3424	3425	-32.489	-2.56	-0.077	-0.112	-0.137	-45.75	1
3425_3425	3425	3425	21.254	-6.481	0.041	-0.024	-0.521	-16.716	1
3425_3426	3425	3426	-45.125	-3.76	-0.026	0.076	0.334	12.841	1
3426_3426	3426	3426	21.111	-5.344	-0.105	-0.05	0.096	78.18	1
3426_3427	3426	3427	-41.534	-5.227	-0.638	-0.136	-4.864	48.281	1
3427_3427	3427	3427	21.216	-4.913	-0.117	0.047	-0.797	125.484	1
3427_3428	3427	3428	-47.441	-6.143	0.018	0.104	0.354	88.932	1
3428_3428	3428	3428	22.129	-9.329	0.546	-0.062	-2.339	139.877	1
3428_3429	3428	3429	12.821	-0.383	0.193	0.715	6.777	-40.328	1
3429_3429	3429	3429	-11.898	-0.349	-0.01	0.653	-6.135	36.74	1
3429_3430	3429	3430	-22.228	-9.353	0.602	-0.081	2.678	-140.04	1
3430_3430	3430	3430	43.153	-6.367	-0.683	-0.066	8.674	-87.31	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3430_3431	3430	3431	-21.278	-4.894	-0.095	-0.099	1.178	-125.693	1
3431_3431	3431	3431	41.874	-5.469	-0.643	-0.103	4.986	-53.562	1
3431_3432	3431	3432	-21.171	-5.337	-0.119	0.034	0.051	-78.409	1
3432_3432	3432	3432	37.579	-3.963	0.089	-0.084	-0.934	-7.857	1
3432_3433	3432	3433	-21.361	-6.454	0.019	-0.025	0.362	16.074	1
3433_3433	3433	3433	32.681	-2.727	-0.119	-0.052	0.086	46.259	1
3433_3434	3433	3434	-21.936	-8.401	0.036	0.013	0.635	79.11	1
3434_3434	3434	3434	28.021	-2.019	-0.084	-0.092	-0.718	61.437	1
3434_3435	3434	3435	-23.653	-8.952	0.011	-0.086	0.74	145.027	1
3435_3435	3435	3435	21.611	-1.231	1.205	-0.022	-1.496	69.263	1
3435_3436	3435	3436	-27.431	-11.892	0.715	-0.106	8.394	272.441	1
3436_3436	3436	3436	15.622	-0.775	0.909	-0.111	8.932	70.748	1
3436_3437	3436	3437	-27.804	-12.569	0.782	0.191	11.197	315.489	1
3437_3437	3437	3437	15.649	-0.641	1.099	0.041	12.533	73.458	1
3437_3072	3437	3072	-30.589	-15.336	-2.394	0.06	3.086	371.984	1
3440_3094	3440	3094	31.271	-15.198	-2.526	0.049	-0.324	-359.74	1
3440_3441	3440	3441	-14.253	-0.617	1.186	0.029	-6.938	-66.5	1
3441_3441	3441	3441	27.685	-12.307	0.601	-0.157	-8.976	-305.844	1
3441_3442	3441	3442	-14.225	-0.722	0.527	-0.133	-4.874	-63.98	1
3442_3442	3442	3442	27.318	-11.635	0.584	-0.006	-6.727	-263.696	1
3442_3443	3442	3443	-19.642	-1.134	0.738	-0.018	1.127	-62.436	1
3443_3443	3443	3443	23.621	-8.668	0.009	-0.061	-0.524	-139.155	1
3443_3444	3443	3444	-26.621	-1.853	-0.071	-0.079	0.48	-57.414	1
3444_3444	3444	3444	21.931	-8.117	0.018	-0.029	-0.462	-75.444	1
3444_3445	3444	3445	-29.665	-2.509	-0.082	-0.084	-0.074	-42.534	1
3445_3445	3445	3445	21.43	-6.176	0.013	-0.03	-0.299	-14.681	1
3445_3446	3445	3446	-34.441	-3.644	0.082	-0.095	0.785	6.55	1
3446_3446	3446	3446	21.274	-5.059	0.012	0.03	-0.064	75.699	1
3446_3447	3446	3447	-38.967	-5.029	-0.379	-0.105	-2.865	47.724	1
3447_3447	3447	3447	21.183	-4.622	0.038	-0.092	0.041	121.201	1
3447_3448	3447	3448	-40.618	-5.849	-0.413	-0.095	-5.102	77.879	1
3448_3448	3448	3448	22.396	-9.112	0.504	0.171	-0.568	133.797	1
3448_3449	3448	3449	12.7	-0.346	0.08	0.856	5.191	-39.962	1
3449_3449	3449	3449	-8.623	-0.202	0.154	0.44	-2.576	28.104	1
3449_3450	3449	3450	-21.898	-9.047	0.542	0.046	1.472	-134.395	1
3450_3450	3450	3450	42.424	-6.15	-0.67	-0.055	8.605	-82.254	1
3450_3451	3450	3451	-21.18	-4.647	-0.001	-0.04	0.144	-120.636	1
3451_3451	3451	3451	41.12	-5.294	-0.665	-0.141	4.948	-50.025	1
3451_3452	3451	3452	-21.08	-5.082	-0.007	-0.006	0.067	-75.621	1
3452_3452	3452	3452	36.591	-3.847	0.114	-0.103	-1.223	-6.618	1
3452_3453	3452	3453	-21.143	-6.187	0.017	-0.031	0.315	14.958	1
3453_3453	3453	3453	31.666	-2.645	-0.088	-0.104	0.086	45.295	1
3453_3454	3453	3454	-23.239	-8.113	0.011	-0.051	0.436	77.179	1
3454_3454	3454	3454	28.751	-1.942	-0.091	-0.075	-0.535	61.329	1
3454_3455	3454	3455	-23.045	-8.65	0.015	-0.045	0.536	139.546	1
3455_3455	3455	3455	21.99	-1.159	0.888	-0.034	-1.376	67.414	1
3455_3456	3455	3456	-26.554	-11.591	0.554	-0.063	6.432	263.776	1
3456_3456	3456	3456	16.303	-0.697	0.675	-0.121	6.377	68.657	1
3456_3457	3456	3457	-26.895	-12.242	0.591	0.03	8.562	305.706	1
3457_3457	3457	3457	16.735	-0.575	1.177	0.039	9.312	72.042	1
3457_3110	3457	3110	-29.499	-15.122	-2.547	0.045	-0.406	361.565	1
3460_3132	3460	3132	38.447	-17.15	-2.41	0.043	2.773	-370.483	1
3460_3461	3460	3461	19.086	-1.201	-0.083	0.022	-8.656	36.145	1
3461_3461	3461	3461	32.953	-12.686	0.409	-0.327	-7.476	-304.87	1
3461_3462	3461	3462	-9.113	-1.503	0.376	-0.135	-3.353	-62.184	1
3462_3462	3462	3462	29.923	-11.949	0.397	0.059	-5.561	-266.488	1
3462_3463	3462	3463	-12.78	-1.757	0.484	0.005	0.812	-48.96	1
3463_3463	3463	3463	25.898	-9.086	0.014	-0.045	-0.584	-140.117	1
3463_3464	3463	3464	-16.742	-2.318	-0.07	-0.042	0.48	-35.874	1
3464_3464	3464	3464	25.472	-8.492	0.016	-0.026	-0.474	-74.924	1
3464_3465	3464	3465	-21.211	-2.758	-0.081	-0.055	-0.047	-19.797	1
3465_3465	3465	3465	23.538	-6.612	0.013	-0.03	-0.334	-13.563	1
3465_3466	3465	3466	-53.037	-3.699	-0.002	0.061	0.551	-7.081	1
3466_3466	3466	3466	21.952	-5.586	0.004	-0.025	-0.14	83.07	1
3466_3467	3466	3467	-55.543	-5.361	-0.313	0.046	-2.152	37.699	1
3467_3467	3467	3467	21.458	-5.141	-0.006	0.001	-0.153	132.789	1
3467_3468	3467	3468	-56.932	-6.521	-0.303	0.097	-3.832	72.512	1
3468_3468	3468	3468	43.239	-11.07	0.434	-0.004	1.756	98.623	1
3468_3469	3468	3469	17.826	-1.209	-0.394	0.36	1.285	-31.441	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3469_3469	3469	3469	-16.831	-1.631	-0.284	0.239	-0.642	14.151	1
3469_3470	3469	3470	-40.61	-11.149	0.5	-0.12	-0.95	-108.784	1
3470_3470	3470	3470	37.376	-6.566	0.008	-0.083	-0.376	-113.771	1
3470_3471	3470	3471	-22.261	-5.328	0.01	-0.026	0.018	-133.471	1
3471_3471	3471	3471	36.746	-5.802	0.007	-0.064	-0.283	-78.178	1
3471_3472	3471	3472	-22.147	-5.785	0.007	-0.006	0.067	-82.243	1
3472_3472	3472	3472	33.253	-4.547	0.048	-0.071	-0.44	-29.193	1
3472_3473	3472	3473	-23.418	-6.958	0.024	-0.032	0.376	19.238	1
3473_3473	3473	3473	30.369	-3.472	-0.06	-0.074	0.058	34.765	1
3473_3474	3473	3474	-24.529	-9.013	0.023	-0.041	0.547	84.636	1
3474_3474	3474	3474	26.555	-2.807	-0.06	-0.056	-0.361	56.552	1
3474_3475	3474	3475	-24.882	-9.589	0.025	-0.045	0.725	153.57	1
3475_3475	3475	3475	23.122	-2.039	0.661	0.044	-0.954	73.382	1
3475_3476	3475	3476	-28.671	-12.699	0.418	0.165	5.235	289.072	1
3476_3476	3476	3476	19.11	-1.536	0.598	-0.302	5.22	88.678	1
3476_3477	3476	3477	-31.513	-13.396	0.385	-0.668	7.114	330.227	1
3477_3477	3477	3477	19.16	-1.441	0.563	0.031	7.569	94.044	1
3477_3148	3477	3148	-32.374	-16.367	-2.804	0.037	-3.865	395.08	1
3480_3168	3480	3168	34.831	-16.709	-2.395	0.062	2.902	-404.789	1
3480_3481	3480	3481	-15.185	-1.122	0.501	0.03	-6.529	-74.491	1
3481_3481	3481	3481	33.804	-13.772	0.381	-0.415	-6.503	-338.718	1
3481_3482	3481	3482	-14.435	-1.208	0.495	-0.18	-4.361	-68.888	1
3482_3482	3482	3482	30.766	-13.03	0.386	0.098	-4.717	-296.803	1
3482_3483	3482	3483	-18.331	-1.596	0.566	0.019	0.947	-57.83	1
3483_3483	3483	3483	26.711	-9.931	0.01	-0.046	-0.526	-158.19	1
3483_3484	3483	3484	-24.072	-2.263	-0.063	-0.046	0.411	-46.599	1
3484_3484	3484	3484	26.316	-9.304	0.013	-0.023	-0.453	-86.833	1
3484_3485	3484	3485	-27.229	-2.869	-0.069	-0.052	-0.069	-28.31	1
3485_3485	3485	3485	24.507	-7.254	0.016	-0.027	-0.353	-19.129	1
3485_3486	3485	3486	-31.928	-3.909	0.043	-0.057	0.399	25.658	1
3486_3486	3486	3486	23.546	-6.087	0	-0.025	-0.168	86.626	1
3486_3487	3486	3487	-35.536	-5.194	-0.022	-0.065	0.023	69.472	1
3487_3487	3487	3487	23.272	-5.607	-0.007	0.001	-0.189	140.718	1
3487_3488	3487	3488	-36.979	-5.941	0	-0.057	0.146	100.578	1
3488_3488	3488	3488	43.92	-11.79	0.588	-0.101	1.046	110.891	1
3488_3489	3488	3489	19.345	-1.782	-0.178	0.302	1.63	-18.687	1
3489_3489	3489	3489	-16.99	-1.473	-0.469	0.39	-1.345	22.661	1
3489_3490	3489	3490	-45.732	-12.075	0.478	-0.041	-1.489	-112.155	1
3490_3490	3490	3490	59.851	-5.865	-0.267	0.08	3.318	-53.472	1
3490_3491	3490	3491	-23.967	-5.588	-0.006	-0.023	0.08	-142.063	1
3491_3491	3491	3491	31.947	-5.094	0.05	-0.047	-0.557	-74.009	1
3491_3492	3491	3492	-24.284	-6.081	-0.005	-0.004	-0.004	-88.06	1
3492_3492	3492	3492	28.33	-3.957	0.035	-0.051	-0.29	-31.605	1
3492_3493	3492	3493	-25.425	-7.299	0.029	-0.024	0.4	18.154	1
3493_3493	3493	3493	23.649	-3.04	-0.048	-0.051	0.062	22.506	1
3493_3494	3493	3494	-27.467	-9.422	0.029	-0.033	0.622	86.59	1
3494_3494	3494	3494	18.99	-2.543	-0.043	-0.037	-0.252	40.291	1
3494_3495	3494	3495	-27.899	-10.054	0.03	-0.04	0.837	158.714	1
3495_3495	3495	3495	14.913	-1.971	0.411	-0.035	-0.634	54.611	1
3495_3496	3495	3496	-32.214	-13.206	0.373	-0.101	4.895	299.171	1
3496_3496	3496	3496	11.107	-1.659	0.29	-0.009	2.789	69.504	1
3496_3497	3496	3497	-35.381	-13.998	0.45	0.167	6.692	341.947	1
3497_3497	3497	3497	11.823	-1.581	0.707	0.019	4.184	76.725	1
3497_3184	3497	3184	-36.363	-16.9	-2.431	0.044	-2.623	408.807	1
3500_3204	3500	3204	30.358	-16.648	-1.896	0.072	0.068	-431.025	1
3500_3501	3500	3501	-12.835	-0.355	1.013	0.049	-8.292	-54.189	1
3501_3501	3501	3501	30.419	-13.963	0.454	0.234	-7.091	-362.867	1
3501_3502	3501	3502	-12.82	-0.447	0.6	-0.09	-5.984	-52.64	1
3502_3502	3502	3502	28.988	-13.252	0.379	-0.111	-5.272	-316.442	1
3502_3503	3502	3503	-18.833	-0.836	0.813	-0.031	0.907	-56.537	1
3503_3503	3503	3503	25.471	-10.382	0.045	0.008	-1.147	-173.726	1
3503_3504	3503	3504	-44.249	-1.612	0.062	0.11	-0.341	-59.951	1
3504_3504	3504	3504	23.446	-9.81	0.021	-0.09	-0.852	-97.119	1
3504_3505	3504	3505	-49.885	-2.716	0.123	0.044	0.561	-45.415	1
3505_3505	3505	3505	22.404	-7.811	0.036	-0.03	-0.645	-23.121	1
3505_3506	3505	3506	-50.613	-4.077	-0.048	0.092	0.059	10.208	1
3506_3506	3506	3506	22.005	-6.633	-0.124	-0.037	-0.155	91.425	1
3506_3507	3506	3507	-51.129	-5.66	0.129	0.103	1.301	57.298	1
3507_3507	3507	3507	22.137	-6.179	-0.127	0.011	-1.245	150.156	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3507_3508	3507	3508	-53.004	-6.727	0.168	0.083	2.477	92.333	1
3508_3508	3508	3508	23.058	-10.738	0.704	-0.159	-3.244	168.149	1
3508_3509	3508	3509	13.527	-0.347	-0.671	1.209	7.288	-36.443	1
3509_3509	3509	3509	-13.774	-0.616	0.18	1.196	-7.498	37.08	1
3509_3510	3509	3510	-23.408	-10.834	0.679	-0.15	3.152	-169.214	1
3510_3510	3510	3510	47.645	-6.743	-0.618	-0.035	8.273	-91.169	1
3510_3511	3510	3511	-22.178	-6.216	-0.116	-0.009	1.039	-151.029	1
3511_3511	3511	3511	45.927	-5.781	-0.626	-0.126	4.964	-56.234	1
3511_3512	3511	3512	-22.259	-6.671	-0.127	-0.009	-0.033	-91.187	1
3512_3512	3512	3512	40.95	-4.115	0.083	-0.09	-0.798	-8.147	1
3512_3513	3512	3513	-23.485	-7.91	0.053	-0.03	0.683	26.352	1
3513_3513	3513	3513	34.74	-2.778	-0.046	-0.088	0.155	47.381	1
3513_3514	3513	3514	-25.855	-9.96	0.049	-0.041	1.094	100.979	1
3514_3514	3514	3514	30.95	-2.014	-0.048	-0.073	-0.188	63.761	1
3514_3515	3514	3515	-25.618	-10.558	0.051	-0.055	1.457	177.08	1
3515_3515	3515	3515	21.812	-1.173	0.729	-0.027	-0.707	68.18	1
3515_3516	3515	3516	-30.169	-13.454	0.376	-0.052	5.526	321.584	1
3516_3516	3516	3516	15.689	-0.721	0.538	-0.125	5.313	68.602	1
3516_3517	3516	3517	-30.617	-14.18	0.403	-0.055	7.049	369.981	1
3517_3517	3517	3517	16.491	-0.592	1.219	0.038	7.582	73.064	1
3517_3220	3517	3220	-33.653	-16.743	-1.751	0.098	0.555	431.269	1
3520_3241	3520	3241	39.57	-17.464	-0.506	-0.106	-9.548	-470.53	1
3520_3521	3520	3521	-17.028	-0.629	0.249	0.398	-9.511	-70.889	1
3521_3521	3521	3521	38.586	-15.317	1.029	0.595	-11.247	-400.094	1
3521_3522	3521	3522	-15.836	-0.736	0.664	-0.038	-6.7	-65.491	1
3522_3522	3522	3522	38.94	-14.398	0.943	-0.091	-7.898	-346.722	1
3522_3523	3522	3523	-23.457	-1.207	0.895	-0.05	1.135	-66.835	1
3523_3523	3523	3523	34.638	-11.524	-0.08	0.201	2.13	-191.198	1
3523_3524	3523	3524	-31.542	-1.941	-0.07	0.034	0.487	-61.222	1
3524_3524	3524	3524	34.9	-10.702	-0.183	-0.193	1.43	-108.103	1
3524_3525	3524	3525	-52.531	-2.905	0.066	-0.018	0.702	-50.216	1
3525_3525	3525	3525	32.682	-8.516	-0.143	-0.044	-0.094	-28.01	1
3525_3526	3525	3526	-53.925	-4.409	-0.061	0.091	0.05	9.68	1
3526_3526	3526	3526	30.646	-6.976	-0.126	-0.238	-2.239	100.208	1
3526_3527	3526	3527	-55.074	-6.234	0.717	0.07	6.679	61.298	1
3527_3527	3527	3527	30.786	-6.33	-0.194	0.229	-3.177	161.99	1
3527_3528	3527	3528	-56.732	-7.407	0.906	0.071	12.188	100.249	1
3528_3528	3528	3528	31.293	-12.779	0.983	-0.739	-8.587	178.526	1
3528_3529	3528	3529	15.514	-0.557	0.117	0.544	3.803	-44.139	1
3529_3529	3529	3529	-13.518	-0.556	-0.082	1.616	-13.949	39.223	1
3529_3530	3529	3530	32.128	-12.614	-0.135	0.488	-4.378	-178.658	1
3530_3530	3530	3530	61.311	-7.564	-1.001	0.337	16.022	-92.481	1
3530_3531	3530	3531	-30.659	-6.172	-0.134	0.281	-2.072	-164.013	1
3531_3531	3531	3531	59.732	-6.292	-1.181	-0.012	10.673	-52.905	1
3531_3532	3531	3532	-30.522	-6.821	-0.066	-0.081	-2.475	-103.586	1
3532_3532	3532	3532	45.045	-4.439	0.112	-0.108	-0.321	-8.36	1
3532_3533	3532	3533	-32.117	-8.181	0.164	0.007	0.19	17.996	1
3533_3533	3533	3533	39.473	-2.943	0.057	-0.121	1.132	52.238	1
3533_3534	3533	3534	-35.365	-10.1	0.197	-0.062	1.781	95.081	1
3534_3534	3534	3534	33.664	-2.073	0.029	-0.102	1.387	67.681	1
3534_3535	3534	3535	-35.982	-10.942	0.218	-0.044	3.348	174.307	1
3535_3535	3535	3535	25.781	-1.054	0.731	-0.113	1.318	74.246	1
3535_3536	3535	3536	-39.419	-13.475	0.476	-0.359	8.449	320.233	1
3536_3536	3536	3536	17.426	-0.517	0.445	0.014	6.551	68.113	1
3536_3537	3536	3537	-40.256	-14.465	0.646	0.698	10.625	369.395	1
3537_3537	3537	3537	-17.38	-1.203	0.257	0.179	11.799	-31.574	1
3537_3255	3537	3255	-48.281	-19.622	0.072	-0.128	13.52	450.661	1
3540_3279	3540	3279	49.027	-18.897	1.796	1.269	-2.215	-468.218	1
3540_3541	3540	3541	19.573	-1.109	0.597	0.404	-6.45	38.768	1
3541_3541	3541	3541	42.888	-14.882	0.019	0.714	7.286	-396.638	1
3541_3542	3541	3542	-18.927	-0.46	0.162	0.055	-0.07	-60.825	1
3542_3542	3542	3542	43.227	-13.868	-0.041	0.01	7.213	-344.801	1
3542_3543	3542	3543	-24.984	-0.982	0.218	-0.046	2.458	-62.819	1
3543_3543	3543	3543	40.122	-11.396	-0.309	0.14	6.214	-193.682	1
3543_3544	3543	3544	-51.832	-1.883	-0.059	0.153	0.441	-72.036	1
3544_3544	3544	3544	38.769	-10.489	-0.351	-0.079	3.838	-110.434	1
3544_3545	3544	3545	-56.815	-3.141	0.007	0.06	0.474	-53.962	1
3545_3545	3545	3545	35.62	-8.521	-0.329	-0.069	0.824	-29.445	1
3545_3546	3545	3546	-57.865	-4.845	-0.01	0.072	0.634	12.669	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3546_3546	3546	3546	33.872	-7.039	-0.121	-0.316	-3.97	97.221	1
3546_3547	3546	3547	-59.49	-7.034	1.674	0.082	15.914	71.759	1
3547_3547	3547	3547	34.016	-6.308	-0.195	0.172	-4.871	159.595	1
3547_3548	3547	3548	-61.562	-8.335	1.874	-0.099	26.87	115.546	1
3548_3548	3548	3548	36.961	-13.799	1.402	-1.728	-15.897	165.202	1
3548_3549	3548	3549	16.772	-0.607	0.52	-0.347	-3.696	-50.248	1
3549_3549	3549	3549	-14.15	-0.126	-0.241	-0.459	3.9	42.29	1
3549_3550	3549	3550	-36.891	-13.578	-0.342	1.729	-12.368	-170.952	1
3550_3550	3550	3550	53.183	-8.558	1.517	-0.131	-21.417	-111.922	1
3550_3551	3550	3551	-34.494	-5.953	-0.031	0.36	-5.263	-162.016	1
3551_3551	3551	3551	53.369	-7.349	1.33	-0.048	-12.734	-63.491	1
3551_3552	3551	3552	-34.988	-6.747	0.154	-0.052	-4.343	-103.254	1
3552_3552	3552	3552	47.699	-5.366	0.342	-0.142	-1.517	-6.887	1
3552_3553	3552	3553	-36.779	-8.396	0.355	0.028	0.98	17.983	1
3553_3553	3553	3553	41.727	-3.618	0.221	-0.228	3.099	64.194	1
3553_3554	3553	3554	-40.209	-10.455	0.332	-0.157	3.808	96.28	1
3554_3554	3554	3554	37.409	-2.6	0.11	-0.111	4.275	84.444	1
3554_3555	3554	3555	-42.479	-11.5	0.433	-0.021	6.963	178.144	1
3555_3555	3555	3555	26.352	-1.348	0.407	-0.074	4.34	88.847	1
3555_3556	3555	3556	-43.856	-14.116	0.344	-0.114	10.718	327.578	1
3556_3556	3556	3556	18.299	-0.74	0.296	-0.282	6.466	84.18	1
3556_3557	3556	3557	-46.97	-15.401	0.358	-0.57	12.423	375.347	1
3557_3557	3557	3557	-12.902	-0.25	0.302	0.144	-8.089	-45.261	1
3557_3293	3557	3293	-50.297	-19.016	-0.796	-0.544	7.388	481.187	1
43000_3000	43000	3000	-0.351	-3.645	0.615	-1.008	0	-2.934	1
43000_3001	43000	3001	-0.982	-49.93	0.424	-0.79	6.318	737.511	1
43001_3001	43001	3001	0.3	-7.566	-0.1	-0.2	-1.48	-433.891	1
43001_3002	43001	3002	-1.131	-41.587	0.526	-0.118	13.305	1044.278	1
43002_3002	43002	3002	0.42	-9.217	0.17	0.503	-4.119	-617.499	1
43002_3003	43002	3003	-1.245	-39.481	-0.653	-1.599	7.694	1315.256	1
43003_3003	43003	3003	0.681	-16.509	0.285	-0.659	-3.324	-918.79	1
43003_3004	43003	3004	-1.297	-31.999	-0.726	0.339	-0.431	1443.903	1
43004_3004	43004	3004	0.95	-17.732	0.1	0.583	0.104	-1173.238	1
43004_3005	43004	3005	-1.307	-34.901	-0.236	-1.264	-3.615	1582.734	1
43005_3005	43005	3005	1.136	-25.355	0.138	-0.411	1.806	-1398.259	1
43005_3006	43005	3006	-1.3	-28.322	-0.263	-0.046	-7.507	1619.714	1
43006_3006	43006	3006	1.24	-22.43	0.121	1.36	4.478	-1493.213	1
43006_3007	43006	3007	-1.28	-32.535	-0.197	-2.028	-10.908	1701.712	1
43007_3007	43007	3007	1.291	-29.125	0.141	-1.023	7.212	-1611.264	1
43007_3008	43007	3008	-1.257	-26.144	-0.209	0.592	-14.589	1692.028	1
43008_3008	43008	3008	1.305	-24.941	0.148	0.797	10.431	-1629.625	1
43008_3009	43008	3009	-1.235	-30.345	-0.188	-1.082	-18.064	1731.95	1
43009_3009	43009	3009	1.298	-31.471	0.161	-0.406	13.866	-1694.099	1
43009_3010	43009	3010	-1.215	-23.972	-0.193	0.172	-21.468	1682.251	1
43010_3010	43010	3010	1.28	-27.367	0.206	1.21	17.502	-1650.065	1
43010_3011	43010	3011	-1.198	-27.842	-0.227	-1.562	-25.086	1680.521	1
43011_3011	43011	3011	1.258	-33.922	0.214	-1.237	21.64	-1682.836	1
43011_3012	43011	3012	-1.18	-21.496	-0.224	0.88	-28.345	1591.991	1
43012_3012	43012	3012	1.237	-30.238	0.272	0.328	25.728	-1608.132	1
43012_3013	43012	3013	-1.158	-24.679	-0.285	-0.579	-31.963	1540.809	1
43013_3013	43013	3013	1.218	-36.878	0.28	-0.8	30.37	-1575.997	1
43013_3014	43013	3014	-1.113	-18.478	-0.265	0.502	-34.528	1418.906	1
43014_3014	43014	3014	1.201	-34.021	0.332	0.282	34.823	-1451.527	1
43014_3015	43014	3015	-1.014	-18.42	-0.302	-0.66	-37.602	1280.081	1
43015_3015	43015	3015	1.558	-43.375	0.306	-1.824	40.618	-1301.867	1
43015_3016	43015	3016	-0.819	-14.405	-0.309	1.395	-38.701	1158.679	1
43016_3016	43016	3016	2.174	-39.619	0.023	0.379	43.097	-1168.955	1
43016_3017	43016	3017	-0.434	-15.239	0.127	-0.679	-34.455	1015.968	1
43017_3017	43017	3017	3.441	-46.384	-0.037	-1.642	41.742	-1020.926	1
43017_3018	43017	3018	-0.22	-8.828	0.097	1.06	-29.667	768.772	1
43018_3018	43018	3018	4.739	-49.122	0.232	-0.193	38.376	-750.31	1
43018_3019	43018	3019	-0.052	-6.032	0.076	-0.239	-25.646	511.088	1
43019_3019	43019	3019	6.697	-56.628	0.199	-1.656	37.751	-472.075	1
43019_3020	43019	3020	-0.194	-1.647	0.174	0.793	-18.621	218.052	1
43020_3020	43020	3020	-50.603	-8.201	-0.73	-0.284	54.122	-445.488	1
43020_3021	43020	3021	21.224	-51.394	-0.075	-0.18	-18.872	305.134	1
43021_3021	43021	3021	-44.63	-11.524	-0.501	-0.882	42.249	-551.485	1
43021_3022	43021	3022	17.766	-46.134	-0.246	0.219	-15.235	443.764	1
43022_3022	43022	3022	-39.672	-15.019	-0.362	-0.75	34.9	-621.8	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43022_3023	43022	3023	15.203	-40.82	-0.362	0.04	-13.359	545.534	1
43023_3023	43023	3023	-34.223	-15.162	-0.657	-0.517	29.406	-674.661	1
43023_3024	43023	3024	13.494	-40.109	0.121	-0.219	-8.174	655.368	1
43024_3024	43024	3024	-28.893	-19.071	-0.565	-0.361	21.735	-734.436	1
43024_3025	43024	3025	12.607	-34.596	0.014	-0.358	-4.514	720.705	1
43025_3025	43025	3025	-23.856	-23.56	-0.441	-1.041	15.374	-767.92	1
43025_3026	43025	3026	12.54	-29.447	-0.105	0.175	-2.569	744.953	1
43026_3026	43026	3026	-19.769	-21.725	-0.524	0.458	10.518	-772.667	1
43026_3027	43026	3027	13.007	-33.071	-0.16	-1.495	-2.015	783.86	1
43027_3027	43027	3027	-17.255	-25.122	-0.404	-0.538	6.799	-795.561	1
43027_3028	43027	3028	13.895	-29.069	-0.279	-0.367	-2.69	797.602	1
43028_3028	43028	3028	-15.36	-28.899	-0.311	-0.366	4.298	-803.622	1
43028_3029	43028	3029	15.228	-25.282	-0.375	-0.534	-4.491	788.502	1
43029_3029	43029	3029	-13.962	-32.893	-0.191	-1.5	2.892	-788.954	1
43029_3030	43029	3030	17.087	-21.873	-0.492	0.45	-7.476	764.373	1
43030_3030	43030	3030	-13.015	-29.319	-0.128	0.257	2.706	-749.114	1
43030_3031	43030	3031	20.194	-23.655	-0.432	-1.261	-11.578	757.323	1
43031_3031	43031	3031	-12.475	-34.477	-0.008	-0.216	3.761	-723.218	1
43031_3032	43031	3032	24.059	-19.153	-0.55	-0.621	-17.162	721.28	1
43032_3032	43032	3032	-12.745	-39.987	0.113	-0.808	6.53	-656.202	1
43032_3033	43032	3033	28.164	-15.224	-0.674	-0.032	-24.278	658.462	1
43033_3033	43033	3033	-13.792	-40.697	-0.404	0.504	10.931	-544.648	1
43033_3034	43033	3034	32.382	-15.143	-0.33	-1.466	-29.017	602.823	1
43034_3034	43034	3034	-15.613	-45.995	-0.249	-0.272	11.887	-441.134	1
43034_3035	43034	3035	36.217	-11.621	-0.559	-0.039	-36.381	528.869	1
43035_3035	43035	3035	-18.195	-51.246	-0.138	-0.09	14.877	-301.084	1
43035_3036	43035	3036	40.847	-8.242	-0.705	-0.667	-47.745	418.728	1
43036_3036	43036	3036	-4.394	-4.129	-0.08	-0.6	0.734	-247.685	1
43036_3037	43036	3037	-22.886	-54.784	0.138	-1.402	-29.369	369.22	1
43037_3037	43037	3037	8.092	-6.862	0.119	-0.007	20.273	-471.725	1
43037_3038	43037	3038	-22.545	-47.415	0.178	-0.519	-29.828	597.502	1
43038_3038	43038	3038	11.287	-9.587	0.165	1.015	23.684	-698.73	1
43038_3039	43038	3039	-21.867	-44.648	-0.202	-1.697	-35.047	813.798	1
43039_3039	43039	3039	14.657	-15.825	0.213	-0.529	-28.773	-906.28	1
43039_3040	43039	3040	-20.438	-38.055	-0.119	-0.047	-37.947	916.601	1
43040_3040	43040	3040	17.249	-15.196	-0.328	0.912	33.993	-1010.105	1
43040_3041	43040	3041	-19.375	-41.419	0.234	-1.402	-36.25	1016.806	1
43041_3041	43041	3041	18.564	-19.212	-0.338	-0.198	32.826	-1090.847	1
43041_3042	43041	3042	-17.677	-32.041	0.217	-0.373	-32.792	1105.513	1
43042_3042	43042	3042	19.576	-18.637	-0.13	0.385	30.315	-1155.873	1
43042_3043	43042	3043	-16.613	-34.977	0.056	-0.912	-31.799	1208.056	1
43043_3043	43043	3043	19.457	-25.04	-0.131	-0.436	30.224	-1233.108	1
43043_3044	43043	3044	-15.735	-27.976	0.044	-0.129	-30.9	1223.385	1
43044_3044	43044	3044	18.684	-21.56	-0.05	0.73	29.911	-1239.755	1
43044_3045	43044	3045	-15.171	-31.568	-0.033	-1.389	-30.752	1289.173	1
43045_3045	43045	3045	17.683	-28.246	-0.06	-1.165	30.273	-1294.092	1
43045_3046	43045	3046	-14.939	-24.671	-0.032	0.489	-30.533	1266.665	1
43046_3046	43046	3046	16.635	-24.383	-0.05	-0.254	30.451	-1265.7	1
43046_3047	43046	3047	-14.972	-28.445	-0.053	-0.158	-30.33	1297.752	1
43047_3047	43047	3047	15.763	-31.285	-0.024	-0.247	30.531	-1292.135	1
43047_3048	43047	3048	-15.105	-21.713	-0.077	-0.172	-30.414	1244.713	1
43048_3048	43048	3048	15.191	-27.634	0.012	-0.498	30.994	-1230.069	1
43048_3049	43048	3049	-15.171	-25.076	-0.109	0.108	-30.523	1237.526	1
43049_3049	43049	3049	14.961	-34.69	0.043	-0.345	31.64	-1218.153	1
43049_3050	43049	3050	-14.795	-18.632	-0.128	-0.053	-30.684	1159.568	1
43050_3050	43050	3050	15.002	-31.695	0.165	-0.429	32.657	-1116.956	1
43050_3051	43050	3051	-13.492	-19.14	-0.289	-0.048	-32.585	1093.422	1
43051_3051	43051	3051	15.547	-41.269	0.192	-1.061	35.537	-1022.837	1
43051_3052	43051	3052	-12.248	-15.047	-0.296	0.632	-33.578	1007.687	1
43052_3052	43052	3052	16.115	-37.71	-0.142	-0.218	37.058	-919.215	1
43052_3053	43052	3053	-9.918	-15.891	0.22	-0.232	-28.359	908.912	1
43053_3053	43053	3053	17.068	-44.474	-0.201	-1.547	34.168	-819.432	1
43053_3054	43053	3054	-7.08	-9.518	0.16	0.914	-23.411	707.612	1
43054_3054	43054	3054	17.433	-47.372	0.285	-0.554	29.142	-601.354	1
43054_3055	43054	3055	-4.569	-6.674	0.051	-0.161	-20.822	482.058	1
43055_3055	43055	3055	17.815	-54.973	0.231	-1.587	30.053	-370.966	1
43055_3056	43055	3056	11.963	-3.363	0.038	-0.637	6.401	215.621	1
43056_3056	43056	3056	-44.899	-8.168	-0.592	-0.488	42.993	-434.818	1
43056_3057	43056	3057	21.184	-50.785	-0.174	-0.091	-13.629	361.08	1

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43057_3057	43057	3057	-40.127	-11.695	-0.393	-0.909	33.152	-549.734	1
43057_3058	43057	3058	18.423	-45.508	-0.317	0.194	-11.557	497.33	1
43058_3058	43058	3058	-36.178	-15.324	-0.265	-0.775	27.295	-632.055	1
43058_3059	43058	3059	16.395	-40.222	-0.421	0.028	-11.087	597.929	1
43059_3059	43059	3059	-31.755	-15.493	-0.572	-0.286	23.211	-693.446	1
43059_3060	43059	3060	15.093	-39.754	0.144	-0.545	-6.686	706.439	1
43060_3060	43060	3060	-27.417	-19.469	-0.467	-0.911	16.91	-760.092	1
43060_3061	43060	3061	14.492	-34.327	0.041	0.057	-3.634	769.786	1
43061_3061	43061	3061	-23.321	-23.997	-0.397	-0.76	11.832	-798.754	1
43061_3062	43061	3062	14.611	-29.258	-0.047	-0.141	-1.894	792.022	1
43062_3062	43062	3062	-20.03	-22.113	-0.392	-0.406	7.72	-807.145	1
43062_3063	43062	3063	15.165	-32.978	-0.181	-0.532	-1.859	829.626	1
43063_3063	43063	3063	-18.016	-25.505	-0.314	-0.264	5.015	-832.077	1
43063_3064	43063	3064	16.104	-29.031	-0.262	-0.653	-2.772	842.058	1
43064_3064	43064	3064	-16.52	-29.257	-0.234	-0.102	3.202	-841.497	1
43064_3065	43064	3065	17.458	-25.292	-0.34	-0.775	-4.607	831.609	1
43065_3065	43065	3065	-15.442	-33.212	-0.128	-1.217	2.327	-827.846	1
43065_3066	43065	3066	19.319	-21.921	-0.444	0.241	-7.457	805.958	1
43066_3066	43066	3066	-14.75	-29.42	-0.04	-0.012	2.529	-788.962	1
43066_3067	43066	3067	22.409	-23.807	-0.401	-1.038	-11.413	796.798	1
43067_3067	43067	3067	-14.45	-34.508	0.048	0.252	4.137	-765.496	1
43067_3068	43067	3068	26.292	-19.293	-0.471	-1.216	-16.336	757.864	1
43068_3068	43068	3068	-14.871	-39.953	0.168	-1.138	7.045	-700.707	1
43068_3069	43068	3069	30.402	-15.353	-0.61	0.202	-22.734	691.842	1
43069_3069	43069	3069	-16.001	-40.338	-0.39	0.264	11.413	-591.045	1
43069_3070	43069	3070	34.625	-15.244	-0.293	-1.3	-26.893	631.952	1
43070_3070	43070	3070	-17.846	-45.637	-0.263	0.006	11.957	-489.902	1
43070_3071	43070	3071	38.373	-11.652	-0.463	-0.737	-33.131	552.17	1
43071_3071	43071	3071	-20.413	-50.916	-0.118	-0.266	14.29	-353.02	1
43071_3072	43071	3072	42.925	-8.188	-0.659	-0.382	-43.411	441.19	1
43072_3072	43072	3072	-2.781	-3.748	-0.048	-0.507	5.59	-204.296	1
43072_3073	43072	3073	-19.049	-54.561	0.216	-1.461	-29.131	401.657	1
43073_3073	43073	3073	5.898	-6.717	0.051	0.042	20.781	-482.381	1
43073_3074	43073	3074	-18.195	-46.969	0.26	-0.584	-28.091	642.154	1
43074_3074	43074	3074	8.536	-9.569	0.094	1.163	23.103	-713.405	1
43074_3075	43074	3075	-17.09	-44.11	-0.115	-1.916	-31.491	869.918	1
43075_3075	43075	3075	11.367	-16.048	0.113	-0.697	26.663	-921.17	1
43075_3076	43075	3076	-15.325	-37.39	-0.064	0.051	-33.454	980.153	1
43076_3076	43076	3076	13.473	-15.112	-0.145	1.553	30.094	-1027.381	1
43076_3077	43076	3077	-14.088	-41.137	0.078	-2.152	-32.897	1094.28	1
43077_3077	43077	3077	14.392	-19.273	-0.148	-0.67	30.083	-1128.33	1
43077_3078	43077	3078	-12.316	-32.436	0.115	-0.027	-31.293	1199.205	1
43078_3078	43078	3078	14.854	-18.706	-0.154	0.039	29.793	-1209.708	1
43078_3079	43078	3079	-11.313	-35.345	0.104	-0.443	-29.687	1301.434	1
43079_3079	43079	3079	14.528	-24.774	-0.156	0.12	29.09	-1296.209	1
43079_3080	43079	3080	-10.527	-28.846	0.082	-0.529	-28.345	1325.062	1
43080_3080	43080	3080	13.632	-21.321	-0.06	0.385	28.006	-1320.429	1
43080_3081	43080	3081	-10.029	-32.661	0.014	-0.886	-27.772	1394.439	1
43081_3081	43081	3081	12.562	-27.576	-0.063	-0.584	27.809	-1386.8	1
43081_3082	43081	3082	-9.846	-26.238	0.007	0.091	-27.259	1384.641	1
43082_3082	43082	3082	11.532	-23.509	-0.02	0.234	27.459	-1378.961	1
43082_3083	43082	3083	-10.01	-29.85	-0.046	-0.728	-27.336	1424.965	1
43083_3083	43083	3083	10.634	-30.322	-0.012	-0.782	27.569	-1423.802	1
43083_3084	43083	3084	-10.495	-23.069	-0.051	0.282	-27.454	1375.743	1
43084_3084	43084	3084	10.057	-26.671	-0.023	0.106	27.774	-1378.234	1
43084_3085	43084	3085	-11.142	-27.094	-0.041	-0.61	-27.377	1379.765	1
43085_3085	43085	3085	9.855	-33.13	-0.017	-0.963	27.803	-1383.422	1
43085_3086	43085	3086	-11.835	-20.883	-0.043	0.447	-27.262	1310.824	1
43086_3086	43086	3086	9.971	-29.292	0.083	-0.172	27.889	-1309.11	1
43086_3087	43086	3087	-12.399	-24.323	-0.123	-0.346	-27.916	1285.361	1
43087_3087	43087	3087	10.373	-35.832	0.09	-1.065	29.058	-1281.073	1
43087_3088	43087	3088	-12.516	-18.289	-0.11	0.539	-28.073	1196.74	1
43088_3088	43088	3088	10.992	-32.675	0.226	-0.349	30.188	-1174.999	1
43088_3089	43088	3089	-11.961	-19.363	-0.296	-0.185	-30.361	1121.59	1
43089_3089	43089	3089	12.237	-41.028	0.233	-1.362	33.254	-1080.521	1
43089_3090	43089	3090	-11.052	-15.152	-0.292	0.882	-31.482	1025.56	1
43090_3090	43090	3090	13.241	-37.343	-0.144	-0.141	35.033	-970.417	1
43090_3091	43090	3091	-9.098	-15.872	0.187	-0.348	-26.971	916.743	1
43091_3091	43091	3091	14.781	-44.166	-0.193	-1.563	32.188	-859.76	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43091_3092	43091	3092	-6.582	-9.322	0.137	0.908	-22.632	702.265	1
43092_3092	43092	3092	15.754	-46.897	0.324	-0.503	27.62	-632.828	1
43092_3093	43092	3093	-4.264	-6.543	0.012	0	-20.837	470.496	1
43093_3093	43093	3093	16.652	-54.642	0.278	-1.383	29.383	-392.399	1
43093_3094	43093	3094	3.632	-3.816	0.009	-0.562	-0.611	222.896	1
43094_3094	43094	3094	-44.454	-8.116	-0.538	-0.279	39.079	-431.888	1
43094_3095	43094	3095	21.345	-50.485	-0.209	-0.27	-12.456	353.582	1
43095_3095	43095	3095	-39.837	-11.635	-0.316	-1.05	30.216	-542.349	1
43095_3096	43095	3096	18.608	-45.096	-0.366	0.233	-11.143	488.952	1
43096_3096	43096	3096	-36.026	-15.304	-0.193	-0.912	25.274	-622.854	1
43096_3097	43096	3097	16.566	-39.712	-0.468	0.033	-11.388	587.651	1
43097_3097	43097	3097	-31.713	-15.349	-0.553	-0.247	22.022	-682.56	1
43097_3098	43097	3098	15.204	-39.507	0.155	-0.503	-7.239	695.755	1
43098_3098	43098	3098	-27.475	-19.359	-0.454	-0.902	16.127	-748.745	1
43098_3099	43098	3099	14.508	-34.028	0.053	0.116	-4.396	758.292	1
43099_3099	43099	3099	-23.455	-23.947	-0.389	-0.79	11.375	-786.896	1
43099_3100	43099	3100	14.485	-28.921	-0.034	-0.061	-2.84	779.31	1
43100_3100	43100	3100	-20.206	-21.825	-0.309	-2.584	7.506	-794.162	1
43100_3101	43100	3101	14.904	-32.987	-0.215	2.77	-3.241	818.119	1
43101_3101	43101	3101	-18.202	-25.236	-0.245	-3.011	5.384	-819.78	1
43101_3102	43101	3102	15.69	-28.993	-0.296	2.808	-4.592	831.373	1
43102_3102	43102	3102	-16.686	-29.02	-0.315	3.431	4.036	-829.768	1
43102_3103	43102	3103	16.883	-25.216	-0.235	-3.606	-6.062	821.794	1
43103_3103	43103	3103	-15.577	-33.008	-0.205	2.055	2.768	-816.942	1
43103_3104	43103	3104	18.571	-21.803	-0.332	-1.915	-8.498	796.525	1
43104_3104	43104	3104	-14.827	-28.922	-0.036	0.241	2.615	-778.461	1
43104_3105	43104	3105	21.411	-23.909	-0.391	-1.123	-12.65	789.585	1
43105_3105	43105	3105	-14.409	-34.035	0.069	-0.381	4.43	-758.08	1
43105_3106	43105	3106	25.038	-19.315	-0.485	-0.355	-17.902	751.65	1
43106_3106	43106	3106	-14.665	-39.521	0.154	-0.249	7.685	-696.086	1
43106_3107	43106	3107	28.901	-15.302	-0.551	-0.499	-24.068	685.617	1
43107_3107	43107	3107	-15.597	-39.679	-0.448	0.027	12.118	-588.433	1
43107_3108	43107	3108	32.863	-15.266	-0.205	-0.679	-27.686	626.128	1
43108_3108	43108	3108	-17.224	-45.074	-0.351	0.183	12.291	-490.406	1
43108_3109	43108	3109	36.344	-11.585	-0.325	-0.823	-32.967	545.559	1
43109_3109	43109	3109	-19.556	-50.476	-0.22	-0.041	13.975	-355.307	1
43109_3110	43109	3110	40.587	-8.053	-0.499	-0.491	-41.82	434.352	1
43110_3110	43110	3110	-5.868	-2.364	0.028	-0.321	-2.664	-154.819	1
43110_3111	43110	3111	-19.16	-53.654	0.309	-1.579	-33.187	410.011	1
43111_3111	43111	3111	5.934	-6.953	-0.018	-0.254	23.027	-485.667	1
43111_3112	43111	3112	-18.503	-45.783	0.371	-0.368	-31.544	635.693	1
43112_3112	43112	3112	8.592	-9.741	0.072	0.974	24.976	-711.783	1
43112_3113	43112	3113	-17.71	-43.053	-0.079	-1.632	-35.109	845.739	1
43113_3113	43113	3113	11.435	-16.391	0.107	-0.566	28.809	-916.956	1
43113_3114	43113	3114	-16.258	-36.145	-0.011	0.05	-36.686	938.188	1
43114_3114	43114	3114	13.646	-15.624	-0.376	0.283	32.64	-1013.277	1
43114_3115	43114	3115	-15.273	-39.878	0.368	-0.637	-33.907	1035.612	1
43115_3115	43115	3115	14.724	-19.898	-0.38	0.143	30.9	-1097.192	1
43115_3116	43115	3116	-13.911	-31.045	0.358	-0.499	-28.698	1108.379	1
43116_3116	43116	3116	15.48	-18.764	-0.159	0.784	27.226	-1151.045	1
43116_3117	43116	3117	-13.148	-34.375	0.137	-1.351	-26.784	1199.741	1
43117_3117	43117	3117	15.416	-24.992	-0.186	-1.056	26.344	-1223.229	1
43117_3118	43117	3118	-12.571	-27.625	0.145	0.435	-24.647	1211.142	1
43118_3118	43118	3118	14.842	-21.255	-0.16	0.726	24.802	-1229.234	1
43118_3119	43118	3119	-12.27	-31.618	0.127	-1.303	-22.649	1272.122	1
43119_3119	43119	3119	14.084	-27.668	-0.182	-1.231	23.299	-1281.91	1
43119_3120	43119	3120	-12.291	-24.927	0.133	0.633	-20.558	1250.788	1
43120_3120	43120	3120	13.308	-23.381	-0.135	0.065	21.395	-1259.53	1
43120_3121	43120	3121	-12.689	-28.733	0.077	-0.526	-18.991	1282.237	1
43121_3121	43121	3121	12.64	-30.434	-0.132	-0.808	19.82	-1293.328	1
43121_3122	43121	3122	-13.429	-21.69	0.071	0.328	-17.567	1220.796	1
43122_3122	43122	3122	12.277	-26.633	-0.12	-0.065	18.302	-1233.841	1
43122_3123	43122	3123	-14.331	-25.96	0.056	-0.429	-16.424	1217.352	1
43123_3123	43123	3123	12.278	-33.323	-0.116	-0.967	17.017	-1229.14	1
43123_3124	43123	3124	-15.276	-19.522	0.053	0.451	-15.382	1138.612	1
43124_3124	43124	3124	12.61	-29.336	0	0.147	15.84	-1142.323	1
43124_3125	43124	3125	-16.036	-23.202	-0.067	-0.81	-15.687	1108.333	1
43125_3125	43125	3125	13.245	-36.089	-0.002	-1.483	16.066	-1105.097	1
43125_3126	43125	3126	-16.213	-17.015	-0.042	0.826	-15.564	1015.634	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43126_3126	43126	3126	14.117	-32.894	0.003	-0.311	16.342	-987.634	1
43126_3127	43126	3127	-15.579	-18.351	-0.088	-0.302	-15.746	943.497	1
43127_3127	43127	3127	15.667	-41.388	-0.006	-1.228	16.564	-881.902	1
43127_3128	43127	3128	-14.545	-14.089	-0.098	0.756	-16.077	848.211	1
43128_3128	43128	3128	16.818	-37.433	0.057	-0.088	16.659	-765.481	1
43128_3129	43128	3129	-12.258	-15.255	-0.072	-0.691	-16.022	753.044	1
43129_3129	43129	3129	18.483	-44.26	0.019	-1.465	17.029	-658.513	1
43129_3130	43129	3130	-9.232	-8.69	-0.101	0.836	-16.881	558.378	1
43130_3130	43130	3130	19.463	-47.306	-0.501	-0.561	16.877	-436.991	1
43130_3131	43130	3131	-6.456	-5.477	0.923	0.094	-5.634	337.002	1
43131_3131	43131	3131	20.571	-55.009	-0.571	-0.849	9.536	-201.565	1
43131_3132	43131	3132	4.615	-4.132	-0.307	-0.242	-15.069	299.786	1
43132_3132	43132	3132	-49.057	-5.75	0.943	-1.31	3.833	-305.786	1
43132_3133	43132	3133	22.187	-51.299	-1.392	1.535	0.007	275.458	1
43133_3133	43133	3133	-43.356	-9.658	1.013	-1.624	10.765	-453.412	1
43133_3134	43133	3134	18.927	-45.57	-1.412	1.65	-8.646	427.113	1
43134_3134	43134	3134	-38.957	-13.506	0.671	4.09	17.129	-546.421	1
43134_3135	43134	3135	16.429	-39.813	-1.206	-1.684	-16.02	536.714	1
43135_3135	43135	3135	-34.024	-14.323	-0.633	-0.226	21.628	-618.088	1
43135_3136	43135	3136	14.582	-39.06	0.371	-0.308	-10.856	650.505	1
43136_3136	43136	3136	-29.195	-18.555	-0.6	-0.096	16.021	-691.751	1
43136_3137	43136	3137	13.442	-33.281	0.295	-0.395	-6.674	715.201	1
43137_3137	43137	3137	-24.595	-23.364	-0.537	-0.836	10.865	-733.049	1
43137_3138	43137	3138	12.999	-27.937	0.2	0.255	-3.77	735.632	1
43138_3138	43138	3138	-20.801	-20.841	-0.274	-0.085	6.301	-741.363	1
43138_3139	43138	3139	13.125	-32.521	-0.114	-0.513	-3.957	777.046	1
43139_3139	43139	3139	-18.423	-24.409	-0.223	0.043	4.689	-770.757	1
43139_3140	43139	3140	13.633	-28.319	-0.165	-0.611	-4.735	791.376	1
43140_3140	43140	3140	-16.554	-28.381	-0.14	-1.116	3.649	-783.407	1
43140_3141	43140	3141	14.561	-24.349	-0.238	0.527	-6.218	780.978	1
43141_3141	43141	3141	-15.093	-32.586	-0.112	0.209	3.392	-771.338	1
43141_3142	43141	3142	16.02	-20.786	-0.26	-0.753	-8.111	753.916	1
43142_3142	43142	3142	-14.005	-28.217	-0.041	0.137	3.641	-732.014	1
43142_3143	43142	3143	18.594	-23.131	-0.227	-0.656	-10.589	746.945	1
43143_3143	43143	3143	-13.154	-33.581	0.03	-0.569	4.897	-712.622	1
43143_3144	43143	3144	21.991	-18.319	-0.295	0.154	-13.752	706.312	1
43144_3144	43144	3144	-13.004	-39.363	0.069	0.262	7.06	-648.959	1
43144_3145	43144	3145	25.625	-14.117	-0.305	-0.702	-17.199	634.866	1
43145_3145	43145	3145	-13.54	-39.79	-0.549	-0.207	9.824	-536.745	1
43145_3146	43145	3146	29.378	-13.972	0.105	0.054	-17.424	569.183	1
43146_3146	43146	3146	-14.837	-45.435	-0.514	0.276	7.882	-432.775	1
43146_3147	43146	3147	32.687	-10.131	0.048	-0.693	-18.646	481.04	1
43147_3147	43147	3147	-16.9	-51.065	-0.429	0.018	6.66	-288.629	1
43147_3148	43147	3148	36.689	-6.461	-0.088	-0.34	-21.982	353.231	1
43148_3148	43148	3148	-14.288	-2.819	-0.028	-0.303	2.022	-240.774	1
43148_3149	43148	3149	-30.224	-53.044	0.193	-0.698	-19.256	300.83	1
43149_3149	43149	3149	12.496	-6.96	0.076	0.013	14.128	-417.631	1
43149_3150	43149	3150	-30.867	-45.309	0.227	-0.22	-17.726	510.225	1
43150_3150	43150	3150	16.746	-9.916	0.084	0.272	15.685	-628.466	1
43150_3151	43150	3151	-31.197	-42.394	-0.12	-0.556	-20.516	702.454	1
43151_3151	43151	3151	21.281	-16.412	0.155	0.079	18.196	-807.602	1
43151_3152	43151	3152	-30.562	-35.705	-0.073	-0.2	-21.645	778.914	1
43152_3152	43152	3152	24.859	-15.66	-0.248	-0.045	21.275	-886.403	1
43152_3153	43152	3153	-30.074	-39.201	0.105	-0.205	-20.326	871.185	1
43153_3153	43153	3153	26.795	-19.935	-0.22	0.071	19.922	-955.445	1
43153_3154	43153	3154	-29.443	-30.687	0.066	-0.296	-18.756	929.936	1
43154_3154	43154	3154	28.782	-18.83	-0.146	0.252	18.193	-991.176	1
43154_3155	43154	3155	-29.141	-33.427	0.071	-0.655	-17.419	1011.705	1
43155_3155	43155	3155	29.574	-25.108	-0.163	-0.522	17.272	-1049.302	1
43155_3156	43155	3156	-28.969	-26.575	0.071	0.083	-16.163	1014.749	1
43156_3156	43156	3156	29.694	-22.089	-0.07	-0.156	16.041	-1042.951	1
43156_3157	43156	3157	-28.997	-30.35	-0.01	-0.16	-15.884	1059.923	1
43157_3157	43157	3157	29.547	-28.068	-0.054	-0.097	15.747	-1073.916	1
43157_3158	43157	3158	-29.181	-24.218	-0.029	-0.211	-15.867	1042.09	1
43158_3158	43158	3158	29.268	-24.347	-0.021	-0.184	15.663	-1044.916	1
43158_3159	43158	3159	-29.429	-28.031	-0.066	-0.138	-16.182	1069.068	1
43159_3159	43159	3159	29.039	-30.447	-0.002	-0.137	15.875	-1060.167	1
43159_3160	43159	3160	-29.566	-22.041	-0.082	-0.172	-16.702	1036.248	1
43160_3160	43160	3160	28.958	-26.83	0.084	0.094	16.37	-1012.997	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43160_3161	43160	3161	-29.453	-25.074	-0.173	-0.547	-18.134	1040.488	1
43161_3161	43161	3161	29.074	-33.616	0.082	-0.64	17.906	-1006.488	1
43161_3162	43161	3162	-28.695	-18.796	-0.155	0.242	-19.218	980.147	1
43162_3162	43162	3162	29.335	-31.042	0.062	-0.407	19.497	-922.547	1
43162_3163	43162	3163	-26.761	-19.786	-0.238	0.263	-21.266	939.736	1
43163_3163	43163	3163	29.942	-39.492	0.13	0.227	21.262	-857.56	1
43163_3164	43163	3164	-24.859	-15.529	-0.286	-0.418	-22.962	867.034	1
43164_3164	43164	3164	30.446	-36.304	-0.117	-0.233	22.962	-763.199	1
43164_3165	43164	3165	-21.342	-16.088	0.194	0.145	-19.393	782.346	1
43165_3165	43165	3165	31.114	-42.954	-0.159	-0.505	21.502	-677.667	1
43165_3166	43165	3166	-16.831	-9.673	0.112	0.248	-16.452	598.405	1
43166_3166	43166	3166	30.851	-46.151	0.251	-0.236	18.322	-478.357	1
43166_3167	43166	3167	-12.574	-6.699	0.08	0.033	-14.777	386.105	1
43167_3167	43167	3167	30.253	-53.766	0.212	-0.73	20.166	-260.499	1
43167_3168	43167	3168	14.734	-3.288	0.008	-0.338	-2.19	285.172	1
43168_3168	43168	3168	-40.002	-6.593	-0.221	-0.173	24.206	-350.622	1
43168_3169	43168	3169	18.884	-51.733	-0.366	-0.226	-6.92	282.651	1
43169_3169	43169	3169	-35.814	-10.147	-0.061	-0.563	19.509	-479.602	1
43169_3170	43169	3170	16.551	-46.24	-0.47	0.096	-7.672	432.568	1
43170_3170	43170	3170	-32.315	-13.857	0.044	-0.469	17.425	-568.74	1
43170_3171	43170	3171	14.994	-40.711	-0.536	-0.019	-9.477	542.805	1
43171_3171	43171	3171	-28.299	-14.141	-0.326	-0.393	16.753	-637.118	1
43171_3172	43171	3172	14.195	-39.999	0.042	-0.065	-7.011	659.433	1
43172_3172	43172	3172	-24.409	-18.233	-0.277	-0.334	13.262	-710.556	1
43172_3173	43172	3173	14.138	-34.295	-0.014	-0.135	-5.266	782.492	1
43173_3173	43173	3173	-20.731	-22.924	-0.224	-0.254	10.406	-754.992	1
43173_3174	43173	3174	14.822	-28.967	-0.071	-0.21	-4.337	753.522	1
43174_3174	43174	3174	-17.866	-21.064	-0.298	-0.894	8.228	-767.561	1
43174_3175	43174	3175	15.811	-32.774	-0.147	0.486	-4.32	793.129	1
43175_3175	43175	3175	-16.199	-24.587	-0.269	0.37	6.304	-795.788	1
43175_3176	43175	3176	17.198	-28.636	-0.184	-0.868	-4.912	806.036	1
43176_3176	43176	3176	-15.073	-28.498	-0.182	-0.846	4.885	-807.602	1
43176_3177	43176	3177	19.007	-24.718	-0.276	0.349	-6.38	794.506	1
43177_3177	43177	3177	-14.381	-32.631	-0.144	0.513	4.303	-795.046	1
43177_3178	43177	3178	21.339	-21.186	-0.299	-0.907	-8.31	766.49	1
43178_3178	43178	3178	-14.091	-28.928	-0.072	-0.059	4.322	-755.751	1
43178_3179	43178	3179	25.06	-23.058	-0.207	-0.562	-10.394	754.2	1
43179_3179	43179	3179	-14.346	-34.238	-0.018	0.091	5.239	-730.49	1
43179_3180	43179	3180	29.562	-18.373	-0.253	-0.663	-13.038	710.184	1
43180_3180	43180	3180	-15.339	-39.922	0.054	-0.563	6.932	-661.475	1
43180_3181	43180	3181	34.25	-14.277	-0.336	0.009	-16.514	636.996	1
43181_3181	43181	3181	-17.035	-40.771	-0.532	0.224	9.447	-545.09	1
43181_3182	43181	3182	38.977	-13.961	0.07	-0.76	-16.938	568.701	1
43182_3182	43182	3182	-19.469	-46.265	-0.448	-0.14	7.63	-434.456	1
43182_3183	43182	3183	43.18	-10.27	-0.082	-0.128	-19.088	479.813	1
43183_3183	43183	3183	-22.653	-51.723	-0.383	-0.081	6.931	-284.667	1
43183_3184	43183	3184	48.169	-6.724	-0.184	-0.392	-23.341	351.436	1
43184_3184	43184	3184	-6.41	-3.985	-0.064	-0.386	4.452	-251.01	1
43184_3185	43184	3185	-23.898	-55.608	0.176	-0.746	-19.571	233.182	1
43185_3185	43185	3185	8.464	-6.014	0.119	0.052	14.586	-365.688	1
43185_3186	43185	3186	-23.875	-48.149	0.217	-0.268	-18.003	475.137	1
43186_3186	43186	3186	11.83	-8.995	0.178	0.349	16.583	-587.925	1
43186_3187	43186	3187	-23.577	-44.809	-0.269	-0.651	-22.515	701.694	1
43187_3187	43187	3187	15.485	-15.257	0.265	0.086	20.406	-788.313	1
43187_3188	43187	3188	-22.525	-38.147	-0.224	-0.225	-25.275	814.706	1
43188_3188	43188	3188	18.34	-14.966	-0.202	0.027	24.952	-892.513	1
43188_3189	43188	3189	-21.81	-40.899	0.006	-0.342	-24.655	923.634	1
43189_3189	43189	3189	19.831	-19.149	-0.165	0.134	24.122	-976.865	1
43189_3190	43189	3190	-20.952	-32.579	-0.042	-0.417	-24.458	1010.114	1
43190_3190	43190	3190	21.202	-18.619	-0.109	-0.015	23.54	-1043.028	1
43190_3191	43190	3191	-20.54	-34.765	-0.038	-0.419	-24.281	1104.829	1
43191_3191	43191	3191	21.603	-24.713	-0.082	0.074	23.423	-1118.158	1
43191_3192	43191	3192	-20.292	-28.164	-0.073	-0.493	-24.645	1122.824	1
43192_3192	43192	3192	21.447	-22.199	-0.045	-0.088	23.676	-1131.518	1
43192_3193	43192	3193	-20.267	-31.443	-0.092	-0.348	-25.117	1175.295	1
43193_3193	43193	3193	21.116	-28.017	-0.018	-0.001	24.099	-1174.17	1
43193_3194	43193	3194	-20.404	-25.517	-0.122	-0.414	-26.033	1166.115	1
43194_3194	43194	3194	20.712	-24.808	0.077	-0.139	24.89	-1157.603	1
43194_3195	43194	3195	-20.608	-28.798	-0.203	-0.272	-27.655	1195.527	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43195_3195	43195	3195	20.399	-30.733	0.108	-0.055	26.611	-1178.675	1
43195_3196	43195	3196	-20.714	-23.027	-0.222	-0.33	-29.419	1166.847	1
43196_3196	43196	3196	20.259	-27.64	0.169	-0.62	28.769	-1138.263	1
43196_3197	43196	3197	-20.616	-25.542	-0.307	0.377	-31.872	1168.651	1
43197_3197	43197	3197	20.323	-34.206	0.223	0.35	31.681	-1131.821	1
43197_3198	43197	3198	-20.008	-19.524	-0.341	-0.599	-34.491	1108.324	1
43198_3198	43198	3198	20.534	-32.251	0.167	-0.247	35.265	-1050.345	1
43198_3199	43198	3199	-18.475	-20.04	-0.293	-0.106	-36.199	1058.801	1
43199_3199	43199	3199	21.084	-40.466	0.187	-0.628	38.374	-981.624	1
43199_3200	43199	3200	-16.958	-15.926	-0.31	0.307	-37.274	984.646	1
43200_3200	43200	3200	21.614	-38.178	-0.045	-0.128	40.192	-884.947	1
43200_3201	43200	3201	-14.224	-15.947	0.167	-0.17	-32.706	885.809	1
43201_3201	43201	3201	22.412	-44.74	-0.116	-1.283	38.667	-784.008	1
43201_3202	43201	3202	-10.824	-9.818	0.123	0.798	-27.845	689.284	1
43202_3202	43202	3202	22.495	-48.283	0.353	-0.497	34.822	-571.794	1
43202_3203	43202	3203	-7.747	-6.847	0.007	0.217	-25.002	464.818	1
43203_3203	43203	3203	22.433	-55.535	0.309	-1.383	36.329	-339.476	1
43203_3204	43203	3204	6.169	-3.049	0.01	-0.575	2.734	188.806	1
43204_3204	43204	3204	-45.363	-8.158	-0.554	-0.862	46.537	-429.052	1
43204_3205	43204	3205	21.468	-52.154	-0.159	0.143	-15.519	330.497	1
43205_3205	43205	3205	-40.612	-11.495	-0.452	-0.119	36.694	-551.446	1
43205_3206	43205	3206	18.644	-47.126	-0.243	-0.132	-12.525	477.353	1
43206_3206	43206	3206	-36.618	-14.901	-0.284	-0.818	30.086	-632.495	1
43206_3207	43206	3207	16.604	-42.028	-0.361	0.308	-11.12	587.619	1
43207_3207	43207	3207	-32.141	-15.349	-0.552	-0.49	25.462	-695.768	1
43207_3208	43207	3208	15.348	-40.884	-0.013	-0.331	-7.488	702.368	1
43208_3208	43208	3208	-27.769	-19.16	-0.458	-0.297	19.109	-762.847	1
43208_3209	43208	3209	14.883	-35.552	-0.115	-0.485	-5.377	773.805	1
43209_3209	43209	3209	-23.623	-23.493	-0.328	-1.118	14.101	-804.283	1
43209_3210	43209	3210	15.217	-30.51	-0.232	0.211	-4.909	804.781	1
43210_3210	43210	3210	-20.249	-22.297	-0.47	-0.228	10.637	-818.428	1
43210_3211	43210	3211	15.984	-33.35	-0.195	-0.636	-4.922	843.253	1
43211_3211	43211	3211	-18.206	-25.628	-0.384	-0.063	7.661	-843.744	1
43211_3212	43211	3212	17.179	-29.474	-0.286	-0.767	-5.962	857.068	1
43212_3212	43212	3212	-16.71	-29.302	-0.263	-1.3	5.662	-854.253	1
43212_3213	43212	3213	18.825	-25.792	-0.404	0.44	-8.17	848.464	1
43213_3213	43213	3213	-15.667	-33.171	-0.195	0.177	4.875	-842.429	1
43213_3214	43213	3214	21.012	-22.45	-0.457	-0.984	-11.21	824.909	1
43214_3214	43214	3214	-15.049	-30.414	-0.211	-0.763	5.082	-805.98	1
43214_3215	43214	3215	24.554	-23.655	-0.336	0.174	-14.625	812.934	1
43215_3215	43215	3215	-14.921	-35.437	-0.13	0.17	5.801	-777.15	1
43215_3216	43215	3216	28.879	-19.309	-0.401	-0.884	-19.222	773.398	1
43216_3216	43216	3216	-15.594	-40.759	-0.03	0.297	7.861	-708.002	1
43216_3217	43216	3217	33.42	-15.481	-0.495	-0.922	-25.16	707.776	1
43217_3217	43217	3217	-17.024	-41.997	-0.465	-0.288	11.351	-595.833	1
43217_3218	43217	3218	38.026	-14.97	-0.27	-0.644	-29.57	645.014	1
43218_3218	43218	3218	-19.254	-47.079	-0.369	0.499	11.936	-487.21	1
43218_3219	43218	3219	42.177	-11.55	-0.359	-1.61	-35.394	563.987	1
43219_3219	43219	3219	-22.262	-52.091	-0.139	-0.563	14.254	-343.062	1
43219_3220	43219	3220	47.094	-8.187	-0.675	0.048	-46.105	442.934	1
43220_3220	43220	3220	-4.812	-4.303	-0.092	-0.548	-4.077	-210.974	1
43220_3221	43220	3221	-21.543	-56.412	0.342	-2.142	-34.703	357.899	1
43221_3221	43221	3221	6.781	-6.897	-0.007	-0.452	24.782	-481.511	1
43221_3222	43221	3222	-21.702	-49.505	0.426	-0.739	-32.145	606.626	1
43222_3222	43222	3222	9.811	-9.748	0.202	2.222	26.492	-709.828	1
43222_3223	43222	3223	-21.726	-46.313	-0.215	-3.57	-37.405	845.497	1
43223_3223	43223	3223	13.246	-15.565	0.177	-2.35	31.638	-916.366	1
43223_3224	43223	3224	-21.087	-40.016	-0.082	0.814	-40.208	970.789	1
43224_3224	43224	3224	16.049	-15.424	-0.148	3.112	36.497	-1033.158	1
43224_3225	43224	3225	-20.644	-42.53	0.015	-4.237	-40.304	1084.537	1
43225_3225	43225	3225	17.6	-19.255	-0.193	-1.674	36.743	-1128.444	1
43225_3226	43225	3226	-20.209	-33.476	0.096	0.299	-38.607	1203.707	1
43226_3226	43226	3226	19.443	-20.069	-0.19	2.013	36.906	-1220.742	1
43226_3227	43226	3227	-20.062	-34.954	-0.006	-3.352	-37.71	1301.523	1
43227_3227	43227	3227	20.135	-26.301	-0.23	-2.565	36.374	-1300.893	1
43227_3228	43227	3228	-19.968	-28.234	0.025	1.245	-36.598	1312.977	1
43228_3228	43228	3228	20.25	-24.583	-0.06	1.928	35.383	-1312.823	1
43228_3229	43228	3229	-19.935	-30.183	-0.156	-3.281	-37.507	1351.502	1
43229_3229	43229	3229	20.176	-31.114	-0.093	-2.801	36.244	-1347.875	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43229_3230	43229	3230	-19.877	-23.649	-0.126	1.524	-38.212	1306.01	1
43230_3230	43230	3230	20.043	-29.424	0.063	1.586	36.903	-1299.575	1
43230_3231	43230	3231	-19.592	-25.063	-0.218	-2.908	-39.784	1288.731	1
43231_3231	43231	3231	19.967	-36.294	0.025	-2.804	39.281	-1275.402	1
43231_3232	43231	3232	-18.906	-18.829	-0.169	1.634	-40.409	1195.087	1
43232_3232	43232	3232	19.949	-35.935	-0.099	0.46	41.186	-1162.203	1
43232_3233	43232	3233	-18.178	-21.475	0.221	-1.499	-37.254	1157.851	1
43233_3233	43233	3233	19.924	-40.393	-0.136	0.156	40.594	-1103.792	1
43233_3234	43233	3234	-17.311	-17.708	0.203	-0.943	-34.343	1091.787	1
43234_3234	43234	3234	20.208	-44.671	-0.225	-2.735	39.215	-1019.565	1
43234_3235	43234	3235	-15.916	-13.879	0.21	1.911	-30.876	986.884	1
43235_3235	43235	3235	20.427	-45.142	0.926	0.526	36.196	-882.886	1
43235_3236	43235	3236	-14.677	-15.033	-1.074	-1.656	-36.112	925.061	1
43236_3236	43236	3236	20.636	-48.317	0.99	-0.442	41.117	-793.41	1
43236_3237	43236	3237	-13.616	-12.807	-1.027	-0.354	-40.3	857.823	1
43237_3237	43237	3237	21.198	-51.022	0.999	-2.568	46.041	-716.36	1
43237_3238	43237	3238	-11.532	-9.114	-0.857	1.807	-45.878	713.095	1
43238_3238	43238	3238	20.823	-42.329	-0.834	-0.211	55.863	-518.223	1
43238_3239	43238	3239	-8.992	-13.892	0.626	-0.761	-34.313	615.75	1
43239_3239	43239	3239	20.89	-47.857	-0.87	-1.623	45.785	-417.141	1
43239_3240	43239	3240	-6.932	-9.213	0.522	0.945	-23.98	459.675	1
43240_3240	43240	3240	19.299	-40.878	-0.856	-1.042	34.387	-256.254	1
43240_3241	43240	3241	-4.347	-18.915	0.318	-0.358	-19.64	418.874	1
43241_3241	43241	3241	-49.874	-16.338	0.099	-0.531	46.514	-636.195	1
43241_3242	43241	3242	29.333	-41.219	-0.22	0.19	-27.87	484.045	1
43242_3242	43242	3242	-45.827	-21.165	0.327	-2.613	44.87	-690.234	1
43242_3243	43242	3243	26.815	-36.908	-0.298	1.43	-25.155	532.346	1
43243_3243	43243	3243	-42.209	-14.054	-1.574	0.046	45.047	-700.899	1
43243_3244	43243	3244	24.621	-44.447	0.719	-0.995	-10.906	689.518	1
43244_3244	43244	3244	-37.725	-18.06	-1.393	-1.234	27.043	-789.516	1
43244_3245	43244	3245	23.549	-38.092	0.356	0.113	-1.843	801.991	1
43245_3245	43245	3245	-32.989	-20.198	-0.426	0.857	10.62	-850.063	1
43245_3246	43245	3246	23.617	-35.272	-0.182	-2.155	-1.113	884.537	1
43246_3246	43246	3246	-28.942	-25.234	-0.146	-2.078	5.491	-901.762	1
43246_3247	43246	3247	24.762	-29.464	-0.383	0.744	-3.174	905.873	1
43247_3247	43247	3247	-26.003	-26.778	-0.539	0.813	4.371	-912.404	1
43247_3248	43247	3248	26.833	-28.052	0.258	-2.141	0.018	914.443	1
43248_3248	43248	3248	-24.261	-32.147	-0.408	-1.653	-0.131	-916.27	1
43248_3249	43248	3249	30.456	-22.404	0.044	0.334	0.609	873.364	1
43249_3249	43249	3249	-23.444	-35.196	0.137	0.45	-3.543	-857.08	1
43249_3250	43249	3250	35.135	-20.006	-0.384	-1.833	-4.43	820.568	1
43250_3250	43250	3250	-23.843	-41.631	0.355	-1.223	-0.009	-768.433	1
43250_3251	43250	3251	40.114	-15.854	-0.458	0.058	-9.326	743.307	1
43251_3251	43251	3251	-25.297	-33.129	0.615	0.962	5.951	-630.73	1
43251_3252	43251	3252	44.789	-23.295	-2.527	-2.651	-30.336	746.762	1
43252_3252	43252	3252	-27.516	-38.042	1.077	-0.286	15.686	-596.021	1
43252_3253	43252	3253	49.111	-18.734	-3.011	-0.497	-57.884	708.128	1
43253_3253	43253	3253	-30.551	-43.19	1.511	-0.7	32.22	-528.791	1
43253_3254	43253	3254	52.804	-15.062	-3.326	-0.009	-87.194	645.407	1
43254_3254	43254	3254	-33.853	-35.963	-1.959	1.377	52.844	-440.927	1
43254_3255	43254	3255	54.075	-25.555	2.897	4.958	-79.693	654.159	1
43255_3255	43255	3255	4.9	-10.28	-2.068	0.785	37.477	-436.828	1
43255_3256	43255	3256	-21.228	-49.504	3.949	-3.169	-22.828	362.447	1
43256_3256	43256	3256	6.923	-14.211	-2.625	-0.77	18.087	-575.852	1
43256_3257	43256	3257	-20.694	-45.859	4.15	-2.063	10.227	459.187	1
43257_3257	43257	3257	9.103	-8.053	1.339	1.831	-5.262	-657.018	1
43257_3258	43257	3258	-21.627	-53.608	-1.492	-2.665	-4.376	669.572	1
43258_3258	43258	3258	11.238	-11.456	1.387	0.493	6.869	-824.001	1
43258_3259	43258	3259	-21.556	-49.318	-1.459	-1.458	-17.446	822.983	1
43259_3259	43259	3259	13.183	-14.906	1.372	-2.968	18.106	-941.626	1
43259_3260	43259	3260	-21.133	-47.913	-1.411	1.599	-22.38	864.022	1
43260_3260	43260	3260	13.868	-13.233	0.406	2.98	22.212	-975.771	1
43260_3261	43260	3261	-21.166	-47.65	-0.754	-4.171	-28.883	986.394	1
43261_3261	43261	3261	15.455	-16.171	0.489	0.962	25.76	-1075.651	1
43261_3262	43261	3262	-21.055	-42.662	-0.657	-2.015	-36.183	1109.435	1
43262_3262	43262	3262	17.146	-20.394	0.561	-2.813	32.055	-1174.242	1
43262_3263	43262	3263	-21.005	-38.679	-0.517	1.351	-40.5	1185.315	1
43263_3263	43263	3263	18.237	-18.394	-0.097	1.795	38.164	-1225.651	1
43263_3264	43263	3264	-21.349	-38.815	-0.201	-2.903	-41.692	1308.536	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43264_3264	43264	3264	19.514	-23.737	-0.084	-1.018	39.483	-1322.485	1
43264_3265	43264	3265	-21.656	-32.399	-0.216	-0.087	-43.398	1361.152	1
43265_3265	43265	3265	20.404	-23.117	-0.062	2.184	41.167	-1362.777	1
43265_3266	43265	3266	-21.959	-33.217	-0.174	-3.51	-44.295	1424.218	1
43266_3266	43266	3266	20.929	-29.081	-0.088	-2.423	42.533	-1422.855	1
43266_3267	43266	3267	-22.236	-27.19	-0.15	1.141	-45.11	1413.209	1
43267_3267	43267	3267	21.294	-28.048	0.129	1.42	43.607	-1410.726	1
43267_3268	43267	3268	-22.428	-28.089	-0.326	-2.58	-47.681	1415.936	1
43268_3268	43268	3268	21.61	-34.209	0.12	-1.927	46.871	-1412.854	1
43268_3269	43268	3269	-22.422	-22.25	-0.297	0.813	-49.73	1347.911	1
43269_3269	43269	3269	21.915	-33.703	0.13	1.348	50.059	-1340.536	1
43269_3270	43269	3270	-22.014	-22.202	-0.026	-2.626	-47.708	1290.625	1
43270_3270	43270	3270	22.229	-40.426	0.021	-2.725	52.127	-1269.294	1
43270_3271	43270	3271	-21.112	-16.653	0.041	1.577	-44.278	1171.207	1
43271_3271	43271	3271	22.449	-42.489	0.345	1.593	51.478	-1115.912	1
43271_3272	43271	3272	-20.353	-17.423	-0.378	-2.897	-44.975	1107.22	1
43272_3272	43272	3272	22.88	-46.154	0.346	-0.698	53.135	-1026.03	1
43272_3273	43272	3273	-18.867	-13.594	-0.261	-0.29	-44.25	995.335	1
43273_3273	43273	3273	23.504	-51.158	0.326	-3.814	55.415	-870.224	1
43273_3274	43273	3274	-17.271	-10.802	-0.12	2.759	-41.554	877.032	1
43274_3274	43274	3274	23.201	-40.39	-2.23	1.214	56.886	-708.696	1
43274_3275	43274	3275	-16.356	-21.153	1.68	-2.017	-36.412	868.713	1
43275_3275	43275	3275	23.579	-41.355	-2.225	-0.339	51.12	-697.398	1
43275_3276	43275	3276	-14.431	-16.816	1.529	-0.656	-18.194	809.731	1
43276_3276	43276	3276	23.833	-45.724	-2.179	-2.173	30.08	-620.014	1
43276_3277	43276	3277	-12.369	-12.927	1.421	1.473	-2.211	707.484	1
43277_3277	43277	3277	23.387	-40.77	1.478	-3.97	9.941	-513.899	1
43277_3278	43277	3278	-9.457	-16.117	-1.097	3.278	-10.865	622.782	1
43278_3278	43278	3278	23.637	-45.879	1.346	-5.275	22.314	-438.52	1
43278_3279	43278	3279	-7.1	-12.01	-0.98	4.315	-17.064	496.235	1
43279_3279	43279	3279	-49.305	-22.869	-0.501	13.63	39.559	-743.372	1
43279_3280	43279	3280	32.805	-37.479	0.788	-12.528	-14.006	502.349	1
43280_3280	43280	3280	-47.742	-16.292	-0.36	1.431	35.109	-740.075	1
43280_3281	43280	3281	30.568	-43.426	-0.181	-1.892	-11.776	561.306	1
43281_3281	43281	3281	-45.297	-19.084	-0.104	-0.525	29.893	-785.048	1
43281_3282	43281	3282	28.153	-37.478	-0.304	-0.39	-9.75	636.366	1
43282_3282	43282	3282	-41.288	-23.968	0.176	-2.538	25.569	-816.378	1
43282_3283	43282	3283	26.938	-32.513	-0.393	0.799	-8.835	661.998	1
43283_3283	43283	3283	-37.636	-20.968	-1.406	0.706	24.727	-781.801	1
43283_3284	43283	3284	26.554	-32.788	0.147	-1.414	-0.343	717.655	1
43284_3284	43284	3284	-32.597	-27.478	-1.007	-1.758	6.146	-794.357	1
43284_3285	43284	3285	27.874	-26.046	-0.294	0.656	-1.499	713.966	1
43285_3285	43285	3285	-28.971	-23.592	0.104	0.723	-3.903	-741.409	1
43285_3286	43285	3286	30.817	-28.529	-0.032	-1.728	-3.147	759.517	1
43286_3286	43286	3286	-26.973	-30.564	0.221	-1.83	-0.847	-755.374	1
43286_3287	43286	3287	34.696	-22.496	-0.151	0.858	-5.341	734.582	1
43287_3287	43287	3287	-26.499	-27.547	-0.192	0.539	2.806	-700.722	1
43287_3288	43287	3288	40.207	-25.542	-0.306	-1.592	-8.892	767.371	1
43288_3288	43288	3288	-27.406	-34.339	0.022	-1.199	3.031	-686.682	1
43288_3289	43288	3289	46.246	-19.844	-0.573	0.523	-16.312	743.726	1
43289_3289	43289	3289	-29.687	-32.223	-0.284	0.595	6.768	-604.012	1
43289_3290	43289	3290	50.733	-24.514	-0.107	-1.914	-18.761	767.724	1
43290_3290	43290	3290	-32.363	-37.126	-0.157	-0.122	7.252	-578.005	1
43290_3291	43290	3291	54.654	-20.405	-0.319	-0.472	-23.27	756.085	1
43291_3291	43291	3291	-35.663	-41.952	-0.016	-0.956	9.272	-528.645	1
43291_3292	43291	3292	58.165	-16.837	-0.52	0.648	-29.814	720.485	1
43292_3292	43292	3292	-39.588	-38.335	-0.6	5.98	13.035	-457.059	1
43292_3293	43292	3293	59.232	-24.584	1.195	-2.435	-27.663	730.256	1
43293_3293	43293	3293	0.721	-10.992	0.146	0.091	6.089	-484.225	1
43293_3294	43293	3294	-8.951	-50.1	1.15	-1.444	-10.515	564.214	1
43294_3294	43294	3294	1.165	-14.358	-0.118	-2.035	7.913	-620.556	1
43294_3295	43294	3295	-7.128	-45.269	1.325	0.513	1.205	726.139	1
43295_3295	43295	3295	2.117	-9.997	-0.11	2.055	4.285	-747.455	1
43295_3296	43295	3296	-6.401	-48.98	-0.13	-3.26	-0.046	958.914	1
43296_3296	43296	3296	2.593	-14.607	-0.028	-0.87	1.625	-949.109	1
43296_3297	43296	3297	-5.307	-44.605	-0.115	0.106	-1.827	1096.796	1
43297_3297	43297	3297	3.034	-18.606	0.029	-3.753	1.151	-1072.274	1
43297_3298	43297	3298	-4.605	-42.388	-0.107	2.861	-2.824	1154.022	1
43298_3298	43298	3298	3.383	-14.502	0.303	2.102	1.33	-1124.295	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43298_3299	43298	3299	-4.163	-45.147	-0.324	-2.976	-6.291	1298.438	1
43299_3299	43299	3299	3.633	-18.264	0.332	-0.117	4.16	-1254.47	1
43299_3300	43299	3300	-4.016	-41.024	-0.284	-0.371	-8.929	1396.297	1
43300_3300	43300	3300	3.774	-21.985	0.358	-2.484	7.086	-1348.627	1
43300_3301	43300	3301	-4.004	-37.295	-0.234	1.877	-10.723	1466.729	1
43301_3301	43301	3301	3.872	-18.083	-0.238	2.469	10.056	-1411.437	1
43301_3302	43301	3302	-3.972	-39.17	0.215	-3.485	-7.703	1614.286	1
43302_3302	43302	3302	3.979	-23.867	-0.261	-2.718	7.647	-1556.889	1
43302_3303	43302	3303	-3.946	-32.848	0.213	1.987	-4.802	1675.493	1
43303_3303	43303	3303	4.012	-21.632	-0.063	2.032	4.733	-1631.374	1
43303_3304	43303	3304	-3.926	-35.353	0.067	-2.83	-3.699	1767.066	1
43304_3304	43304	3304	3.996	-27.977	-0.078	-2.636	4.027	-1743.898	1
43304_3305	43304	3305	-3.911	-29.604	0.077	1.945	-2.546	1769.382	1
43305_3305	43305	3305	3.97	-24.545	-0.092	2.465	3.125	-1766.288	1
43305_3306	43305	3306	-3.888	-32.545	0.089	-3.299	-0.973	1810.992	1
43306_3306	43306	3306	3.943	-31.034	-0.11	-3.618	1.732	-1829.962	1
43306_3307	43306	3307	-3.847	-27.062	0.098	2.702	0.396	1768.82	1
43307_3307	43307	3307	3.926	-26.831	-0.091	2.316	0.341	-1807.371	1
43307_3308	43307	3308	-3.756	-30.476	0.07	-3.006	1.553	1763.499	1
43308_3308	43308	3308	3.911	-32.983	-0.102	-3.186	-1.026	-1828.993	1
43308_3309	43308	3309	-3.599	-24.504	0.071	2.21	2.468	1670.247	1
43309_3309	43309	3309	3.892	-28.999	-0.108	2.041	-2.36	-1766.411	1
43309_3310	43309	3310	-3.334	-27.339	0.147	-2.521	4.075	1598.907	1
43310_3310	43310	3310	3.852	-34.96	-0.127	-2.535	-3.849	-1745.255	1
43310_3311	43310	3311	-2.891	-20.273	0.146	1.499	5.49	1407.117	1
43311_3311	43311	3311	3.764	-32.42	-0.093	1.709	-5.732	-1627.548	1
43311_3312	43311	3312	-2.237	-19.466	-0.187	-1.774	2.195	1174.5	1
43312_3312	43312	3312	3.606	-39.198	0.004	-2.59	-5.866	-1522.919	1
43312_3313	43312	3313	-1.465	-11.59	-0.163	1.101	-0.906	825.289	1
43313_3313	43313	3313	3.335	-39.065	-0.254	0.637	-3.438	-1294.064	1
43313_3314	43313	3314	-0.941	-9.175	0.152	-0.699	1.261	571.435	1
43314_3314	43314	3314	2.882	-48.084	-0.311	-2.699	-5.267	-988.136	1
43314_3315	43314	3315	-0.435	-3.824	0.088	0.705	1.654	268.793	1
43315_3315	43315	3315	2.154	-59.226	0.895	1.881	-7.327	-467.843	1
43315_3316	43315	3316	1.05	-3.429	0.079	-1.054	0	6.73	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
3000_3000	3000	3000	1.634	19.877	-0.113	0.131	0	5.667	1
3000_3001	3000	3001	55.691	-46.543	0.067	-0.102	0.995	427.147	1
3001_3001	3001	3001	3.751	-3.391	0.102	-0.121	1.514	29.944	1
3001_3002	3001	3002	79.032	-38.766	0.083	-0.015	2.095	604.818	1
3002_3002	3002	3002	6.632	-3.365	-0.142	-0.131	2.57	51.849	1
3002_3003	3002	3003	101.962	-32.307	-0.095	-0.202	1.129	778.946	1
3003_3003	3003	3003	9.978	-3.367	-0.141	-0.101	0.83	77.278	1
3003_3004	3003	3004	113.131	-24.76	-0.108	0.064	-0.048	863.996	1
3004_3004	3004	3004	13.34	-3.389	-0.063	-0.12	-0.887	102.734	1
3004_3005	3004	3005	124.661	-27.475	-0.035	-0.16	-0.514	951.528	1
3005_3005	3005	3005	16.719	-3.389	-0.063	-0.094	-1.648	128.351	1
3005_3006	3005	3006	127.91	-20.917	-0.039	0.008	-1.097	976.161	1
3006_3006	3006	3006	20.103	-3.357	-0.041	-0.125	-2.409	153.988	1
3006_3007	3006	3007	134.705	-25.141	-0.03	-0.267	-1.618	1027.578	1
3007_3007	3007	3007	23.45	-3.357	-0.041	-0.056	-2.913	179.357	1
3007_3008	3007	3008	134.16	-18.805	-0.032	0.095	-2.191	1023.338	1
3008_3008	3008	3008	26.8	-3.321	-0.035	-0.088	-3.416	204.746	1
3008_3009	3008	3009	137.649	-23.091	-0.029	-0.142	-2.743	1049.662	1
3009_3009	3009	3009	30.099	-3.324	-0.035	-0.046	-3.818	229.872	1
3009_3010	3009	3010	133.967	-16.771	-0.03	0.031	-3.292	1021.647	1
3010_3010	3010	3010	33.403	-3.299	-0.036	-0.09	-4.217	255.023	1
3010_3011	3010	3011	134.287	-7.817	-0.035	-0.206	-3.531	1024.182	1
3011_3011	3011	3011	36.693	-3.299	-0.036	0.012	-4.658	279.956	1
3011_3012	3011	3012	128.199	-1.097	-0.035	0.155	-4.159	977.931	1
3012_3012	3012	3012	39.982	-3.37	-0.046	-0.032	-5.097	304.89	1
3012_3013	3012	3013	125.625	-5.026	-0.045	-0.069	-4.871	958.333	1
3013_3013	3013	3013	43.345	-3.37	-0.046	0.028	-5.661	330.374	1
3013_3014	3013	3014	115.813	1.761	-0.045	0.095	-5.544	883.886	1
3014_3014	3014	3014	46.708	-3.613	-0.025	-0.035	-6.224	355.862	1
3014_3015	3014	3015	104.384	1.177	-0.048	-0.078	-6.378	797.117	1
3015_3015	3015	3015	56.264	-3.463	-0.017	0.086	-4.512	402.002	1
3015_3016	3015	3016	100.218	6.086	-0.034	0.127	-4.595	739.143	1
3016_3016	3016	3016	57.61	-3.959	-0.014	-0.001	-4.655	422.521	1
3016_3017	3016	3017	80.436	4.624	0.007	-0.012	-4.388	661.732	1
3017_3017	3017	3017	56.21	-3.875	-0.013	0.165	-4.763	463.967	1
3017_3018	3017	3018	51.471	-1.84	0.013	0.13	-3.353	523.854	1
3018_3018	3018	3018	51.058	-4.38	-0.014	0.035	-4.927	514.898	1
3018_3019	3018	3019	28.452	0.674	0.002	0.02	-3.017	369.92	1
3019_3019	3019	3019	44.836	-4.456	-0.014	0.277	-5.088	571.684	1
3019_3020	3019	3020	14.329	-1.128	-0.015	0.116	-2.282	235.705	1
3020_3020	3020	3020	43.261	21.944	0.068	-0.019	-2.046	373.612	1
3020_3021	3020	3021	73.505	-29.403	0.051	-0.01	-4.15	333.598	1
3021_3021	3021	3021	26.276	14.861	0.066	0.029	-2.115	247.512	1
3021_3022	3021	3022	78.128	-25.636	0.021	0.038	-2.693	376.56	1
3022_3022	3022	3022	11.974	10.3	0.073	0.036	-2.427	183.925	1
3022_3023	3022	3023	80.104	-21.548	0.009	0.031	-2.285	411.902	1
3023_3023	3023	3023	-4.065	1.982	0.1	0.057	-4.418	149.491	1
3023_3024	3023	3024	83.071	-21.537	0.042	0.013	-1.667	452.542	1
3024_3024	3024	3024	-4.768	1.926	0.099	0.056	-3.625	139.626	1
3024_3025	3024	3025	83.756	-16.968	0.033	0.004	-1.165	475.592	1
3025_3025	3025	3025	-5.898	1.905	0.102	0.07	-2.835	130.07	1
3025_3026	3025	3026	82.47	-12.016	0.023	0.044	-0.792	480.981	1
3026_3026	3026	3026	-6.093	1.431	0.097	0.045	-2.026	120.656	1
3026_3027	3026	3027	83.72	-15.581	0.028	-0.056	-0.519	497.418	1
3027_3027	3027	3027	-6.894	1.431	0.102	0.063	-1.446	115.279	1
3027_3028	3027	3028	83.817	-11.838	0.018	0.013	-0.353	503.666	1
3028_3028	3028	3028	-7.696	1.431	0.102	0.063	-0.834	109.904	1
3028_3029	3028	3029	81.982	-7.979	0.009	0.003	-0.283	495.124	1
3029_3029	3029	3029	-8.497	1.431	0.107	0.08	-0.222	104.527	1
3029_3030	3029	3030	80.713	-15.07	-0.033	0.039	-0.581	477.527	1
3030_3030	3030	3030	-9.301	0.779	0.096	0.052	0.423	99.152	1
3030_3031	3030	3031	81.278	-17.101	-0.03	-0.067	-0.888	470.917	1
3031_3031	3031	3031	-17.572	-2.125	-0.1	-0.062	-1.818	101.09	1
3031_3032	3031	3032	79.732	-12.523	-0.04	-0.029	-1.322	446.515	1
3032_3032	3032	3032	-17.051	-2.217	-0.095	-0.049	-2.626	111.846	1
3032_3033	3032	3033	75.81	-8.405	-0.051	0.009	-1.889	404.298	1
3033_3033	3033	3033	-6.121	-7.539	-0.084	-0.055	-2.053	127.191	1
3033_3034	3033	3034	72.87	-8.465	-0.018	-0.081	-2.229	367.521	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3034_3034	3034	3034	10.264	-12.112	-0.069	-0.001	-1.855	172.907	1
3034_3035	3034	3035	68.048	-4.783	-0.037	0.005	-2.79	318.795	1
3035_3035	3035	3035	22.809	-16.864	-0.084	-0.027	-2.246	249.799	1
3035_3036	3035	3036	60.781	-1.115	-0.066	-0.04	-4.848	255.181	1
3036_3036	3036	3036	27.109	6.828	-0.004	-0.221	-3.687	601.717	1
3036_3037	3036	3037	15.709	-34.392	-0.008	-0.141	-2.445	340.2	1
3037_3037	3037	3037	32.022	6.431	-0.002	-0.06	-3.743	525.209	1
3037_3038	3037	3038	35.17	-28.27	0.006	-0.055	-2.744	474.491	1
3038_3038	3038	3038	36.157	5.479	0.001	-0.153	-3.758	455.473	1
3038_3039	3038	3039	58.505	-25.087	-0.028	-0.16	-3.335	590.16	1
3039_3039	3039	3039	39.778	5.157	0.004	-0.005	-3.801	392.026	1
3039_3040	3039	3040	74.059	-18.656	-0.027	-0.003	-3.907	638.886	1
3040_3040	3040	3040	38.96	4.418	0.026	-0.063	-3.751	346.092	1
3040_3041	3040	3041	83.18	-21.575	0.034	-0.091	-3.755	688.596	1
3041_3041	3041	3041	41.72	4.375	0.013	-0.002	-1.668	296.672	1
3041_3042	3041	3042	99.526	-12.323	0.014	-0.001	-1.633	673.748	1
3042_3042	3042	3042	34.812	3.911	0.004	-0.007	-1.464	254.527	1
3042_3043	3042	3043	107.449	-15.727	0.006	-0.032	-1.616	720.046	1
3043_3043	3043	3043	30.162	3.911	0.005	0.009	-1.412	226.372	1
3043_3044	3043	3044	108.776	-8.632	0.005	0.012	-1.593	724.537	1
3044_3044	3044	3044	25.513	3.753	0.005	0	-1.353	198.221	1
3044_3045	3044	3045	114.708	-12.689	0.001	-0.057	-1.605	756.69	1
3045_3045	3045	3045	21.051	3.753	0.006	0.025	-1.29	171.207	1
3045_3046	3045	3046	113.422	-17.439	-0.001	0.031	-1.614	741.315	1
3046_3046	3046	3046	22.265	-3.956	-0.009	-0.016	-1.253	151.187	1
3046_3047	3046	3047	116.359	-21.317	-0.002	-0.005	-1.606	758.77	1
3047_3047	3047	3047	26.966	-3.956	-0.009	-0.015	-1.356	179.65	1
3047_3048	3047	3048	111.164	-14.648	-0.004	-0.006	-1.616	727.641	1
3048_3048	3048	3048	31.671	-4.021	-0.009	-0.002	-1.46	208.141	1
3048_3049	3048	3049	110.306	-18.149	-0.005	0.008	-1.628	723.052	1
3049_3049	3049	3049	36.452	-4.021	-0.009	-0.003	-1.568	237.091	1
3049_3050	3049	3050	102.661	-11.677	-0.007	-0.001	-1.648	676.231	1
3050_3050	3050	3050	41.229	-4.27	-0.009	0.004	-1.676	266.021	1
3050_3051	3050	3051	97.029	-13.474	-0.014	-0.001	-1.755	638.932	1
3051_3051	3051	3051	45.687	-4.186	-0.011	0.048	-2.135	318.768	1
3051_3052	3051	3052	82.685	-8.078	-0.018	0.053	-2.122	614.259	1
3052_3052	3052	3052	47.774	-4.607	-0.004	0.012	-2.213	342.182	1
3052_3053	3052	3053	68.317	-9.017	0.015	0.002	-1.813	565.589	1
3053_3053	3053	3053	43.799	-4.696	-0.005	0.178	-3.088	407.361	1
3053_3054	3053	3054	39.625	-2.698	0.017	0.14	-2.037	485.343	1
3054_3054	3054	3054	40.499	-5.151	-0.014	0.028	-3.132	463.008	1
3054_3055	3054	3055	21.562	-0.113	-0.001	0.011	-1.899	349.735	1
3055_3055	3055	3055	35.91	-5.373	-0.013	0.311	-3.268	523.503	1
3055_3056	3055	3056	12.067	-1.429	-0.008	0.104	-1.052	205.123	1
3056_3056	3056	3056	35.078	21.666	0.056	-0.003	-1.549	344.369	1
3056_3057	3056	3057	71.052	-29.216	0.028	0.013	-2.517	351.411	1
3057_3057	3057	3057	17.51	14.284	0.059	0.066	-1.704	234.052	1
3057_3058	3057	3058	75.589	-25.415	0.012	0.079	-1.873	408.835	1
3058_3058	3058	3058	2.606	9.059	0.064	0.088	-2	174.531	1
3058_3059	3058	3059	78.155	-21.228	0.002	0.064	-1.616	450.222	1
3059_3059	3059	3059	-7.436	2.074	0.072	0.121	-3.244	157.753	1
3059_3060	3059	3060	81.506	-21.264	0.033	-0.013	-1.163	496.261	1
3060_3060	3060	3060	-7.918	2.016	0.075	0.152	-2.671	147.05	1
3060_3061	3060	3061	82.612	-16.655	0.026	0.075	-0.803	522.869	1
3061_3061	3061	3061	-8.759	1.984	0.075	0.151	-2.075	136.605	1
3061_3062	3061	3062	81.762	-11.678	0.02	0.057	-0.518	530.025	1
3062_3062	3062	3062	-9.137	1.579	0.077	0.139	-1.488	126.383	1
3062_3063	3062	3063	83.12	-15.342	0.017	0.012	-0.346	548.088	1
3063_3063	3063	3063	-9.955	1.579	0.077	0.139	-1.026	120.172	1
3063_3064	3063	3064	83.199	-22.344	-0.013	-0.062	-0.224	555.289	1
3064_3064	3064	3064	-9.542	-1.283	-0.078	-0.155	-0.402	120.29	1
3064_3065	3064	3065	82.783	-18.626	-0.019	-0.078	-0.328	547.594	1
3065_3065	3065	3065	-8.879	-1.283	-0.074	-0.119	-0.871	125.338	1
3065_3066	3065	3066	81.255	-15.174	-0.027	0.052	-0.511	528.975	1
3066_3066	3066	3066	-8.217	-1.71	-0.074	-0.162	-1.312	130.375	1
3066_3067	3066	3067	81.896	-17.34	-0.026	-0.107	-0.783	521.231	1
3067_3067	3067	3067	-8.692	-1.773	-0.075	-0.164	-1.897	139.577	1
3067_3068	3067	3068	80.605	-12.737	-0.031	-0.132	-1.132	494.254	1
3068_3068	3068	3068	-7.47	-1.773	-0.068	-0.097	-2.499	148.877	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3068_3069	3068	3069	77.119	-8.596	-0.042	0.05	-1.59	448.319	1
3069_3069	3069	3069	-7.71	-2.113	-0.076	-0.156	-3.037	158.466	1
3069_3070	3069	3070	74.497	-8.668	-0.014	-0.142	-1.853	407.539	1
3070_3070	3070	3070	2.144	-9.082	-0.062	-0.075	-1.856	177.942	1
3070_3071	3070	3071	69.897	-4.898	-0.027	-0.073	-2.276	352.982	1
3071_3071	3071	3071	17.134	-14.363	-0.064	-0.001	-1.84	240.388	1
3071_3072	3071	3072	63.268	-1.11	-0.05	-0.023	-3.53	277.437	1
3072_3072	3072	3072	29.891	5.578	0.012	-0.282	-3.303	601.515	1
3072_3073	3072	3073	17.205	-34.624	0	-0.172	-1.986	354.13	1
3073_3073	3073	3073	35.178	5.301	0.012	-0.07	-3.194	535.685	1
3073_3074	3073	3074	36.583	-28.293	0.011	-0.062	-2.128	494.15	1
3074_3074	3074	3074	40.138	4.708	0.007	-0.218	-3.078	475.319	1
3074_3075	3074	3075	59.693	-24.951	-0.013	-0.23	-2.445	615.57	1
3075_3075	3075	3075	48.458	4.497	0.006	0.01	-2.203	395.746	1
3075_3076	3075	3076	82.991	-18.287	-0.008	0.018	-2.01	632.537	1
3076_3076	3076	3076	48.538	3.883	0.006	-0.088	-2.151	355.09	1
3076_3077	3076	3077	93.725	-21.477	0.007	-0.14	-2.001	687.213	1
3077_3077	3077	3077	43.099	3.999	0.009	0.025	-3.019	338.085	1
3077_3078	3077	3078	93.348	-13.095	0.011	0.047	-2.83	746.929	1
3078_3078	3078	3078	38.059	3.851	0.017	-0.001	-2.883	301.542	1
3078_3079	3078	3079	103.056	-27.973	0.011	-0.04	-2.775	803.759	1
3079_3079	3079	3079	34.31	3.851	0.017	-0.001	-2.695	274.367	1
3079_3080	3079	3080	105.434	-21.554	0.009	-0.051	-2.65	816.605	1
3080_3080	3080	3080	30.71	3.709	0.013	0.006	-2.514	247.219	1
3080_3081	3080	3081	111.639	-25.441	0.002	-0.091	-2.599	858.389	1
3081_3081	3081	3081	27.097	3.709	0.014	0.04	-2.366	221.026	1
3081_3082	3081	3082	111.007	-19.081	0.001	0.019	-2.552	852.048	1
3082_3082	3082	3082	23.488	3.661	0.015	0.031	-2.214	194.859	1
3082_3083	3082	3083	114.488	-22.815	-0.004	-0.074	-2.56	877.142	1
3083_3083	3083	3083	19.658	3.661	0.015	0.056	-2.036	167.095	1
3083_3084	3083	3084	110.524	-3.762	-0.001	0.066	-2.593	848.506	1
3084_3084	3084	3084	24.614	-3.496	-0.017	-0.038	-2.135	193.024	1
3084_3085	3084	3085	111.036	-8.277	0	-0.042	-2.594	852.136	1
3085_3085	3085	3085	28.016	-3.496	-0.016	-0.002	-2.32	217.683	1
3085_3086	3085	3086	104.002	-14.004	-0.003	0.057	-2.564	808.558	1
3086_3086	3086	3086	31.421	-3.565	-0.016	-0.014	-2.503	242.368	1
3086_3087	3086	3087	101.45	-17.599	-0.011	-0.033	-2.639	793.323	1
3087_3087	3087	3087	34.68	-3.576	-0.016	0.027	-2.67	267.55	1
3087_3088	3087	3088	93.61	-11.5	-0.01	0.067	-2.675	738.223	1
3088_3088	3088	3088	38.16	-3.803	-0.02	0.001	-2.848	292.78	1
3088_3089	3088	3089	87.492	-12.831	-0.027	-0.016	-2.902	693.196	1
3089_3089	3089	3089	42.075	-3.719	-0.018	0.098	-2.818	342.17	1
3089_3090	3089	3090	76.669	-8.352	-0.024	0.117	-2.717	670.193	1
3090_3090	3090	3090	43.742	-4.098	-0.005	-0.001	-2.969	364.128	1
3090_3091	3090	3091	62.606	-9.233	0.017	-0.019	-2.349	611.363	1
3091_3091	3091	3091	42.73	-4.127	-0.005	0.182	-3.788	407.743	1
3091_3092	3091	3092	38.787	-2.603	0.018	0.141	-2.475	492.643	1
3092_3092	3092	3092	39.072	-4.618	-0.022	0.067	-3.822	458.5	1
3092_3093	3092	3093	20.699	-0.081	-0.005	0.037	-2.386	349.577	1
3093_3093	3093	3093	34.403	-4.802	-0.021	0.268	-4.058	514.309	1
3093_3094	3093	3094	5.619	4.928	0.007	0.117	-1.928	160.758	1
3094_3094	3094	3094	33.227	21.189	0.073	-0.023	-1.876	343.72	1
3094_3095	3094	3095	69.597	-29.301	0.031	-0.021	-2.898	351.979	1
3095_3095	3095	3095	15.335	13.994	0.097	0.085	-2.526	239.421	1
3095_3096	3095	3096	71.676	-25.512	0.011	0.101	-2.805	419.171	1
3096_3096	3096	3096	1.473	8.932	0.105	0.109	-2.896	178.93	1
3096_3097	3096	3097	73.8	-21.218	-0.004	0.084	-2.49	461.359	1
3097_3097	3097	3097	-7.547	2.038	0.121	0.122	-4.677	161.122	1
3097_3098	3097	3098	76.754	-21.424	0.053	-0.018	-1.805	509.176	1
3098_3098	3098	3098	-7.843	1.963	0.126	0.156	-3.722	150.22	1
3098_3099	3098	3099	77.585	-16.722	0.041	0.085	-1.261	536.526	1
3099_3099	3099	3099	-8.299	1.911	0.125	0.156	-2.726	139.746	1
3099_3100	3099	3100	76.556	-11.632	0.033	0.07	-0.83	543.15	1
3100_3100	3100	3100	-8.533	1.474	0.141	0.235	-1.74	129.578	1
3100_3101	3100	3101	77.799	-15.639	0.021	0.408	-0.617	562.517	1
3101_3101	3101	3101	-8.819	1.465	0.14	0.234	-0.904	123.591	1
3101_3102	3101	3102	77.615	-22.467	-0.025	0.4	-0.551	570.877	1
3102_3102	3102	3102	-11.342	-1.563	-0.141	-0.27	-0.533	124.849	1
3102_3103	3102	3103	77.245	-18.69	-0.019	-0.493	-0.676	563.439	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3103_3103	3103	3103	-10.591	-1.563	-0.133	-0.226	-1.377	131.212	1
3103_3104	3103	3104	75.808	-15.173	-0.032	-0.28	-0.924	544.291	1
3104_3104	3104	3104	-10.232	-1.918	-0.122	-0.172	-2.17	137.596	1
3104_3105	3104	3105	76.583	-17.594	-0.041	-0.135	-1.39	537.927	1
3105_3105	3105	3105	-9.819	-1.961	-0.117	-0.138	-3.143	148.143	1
3105_3106	3105	3106	75.495	-12.886	-0.052	-0.029	-1.992	510.74	1
3106_3106	3106	3106	-9.351	-2.003	-0.118	-0.138	-4.083	158.907	1
3106_3107	3106	3107	72.292	-8.643	-0.061	-0.046	-2.711	463.043	1
3107_3107	3107	3107	-8.813	-2.288	-0.114	-0.132	-5.03	169.957	1
3107_3108	3107	3108	69.941	-8.811	-0.012	-0.075	-3.072	421.049	1
3108_3108	3108	3108	-9.385	-2.461	-0.114	-0.136	-5.891	182.402	1
3108_3109	3108	3109	65.608	-4.92	-0.028	-0.095	-3.643	363.742	1
3109_3109	3109	3109	15.251	-13.921	-0.082	-0.017	-2.329	236.348	1
3109_3110	3109	3110	60.934	-1.021	-0.045	-0.041	-4.184	277.408	1
3110_3110	3110	3110	28.896	5.786	0.024	-0.337	-4.669	608.601	1
3110_3111	3110	3111	16.667	-34.322	0.008	-0.203	-2.727	361.273	1
3111_3111	3111	3111	33.997	5.502	0.025	-0.03	-4.428	540.833	1
3111_3112	3111	3112	35.357	-27.772	0.023	-0.033	-2.859	500.01	1
3112_3112	3112	3112	38.635	4.885	0.01	-0.202	-4.138	478.202	1
3112_3113	3112	3113	57.537	-24.52	-0.015	-0.199	-3.288	619.818	1
3113_3113	3113	3113	42.785	4.761	0.009	0.016	-3.176	416.279	1
3113_3114	3113	3114	72.63	-17.678	-0.01	0.025	-2.928	662.439	1
3114_3114	3114	3114	42.689	4.291	0.024	-0.056	-3.097	372.584	1
3114_3115	3114	3115	81.097	-20.888	0.033	-0.051	-2.754	712.028	1
3115_3115	3115	3115	45.142	4.32	0.02	-0.012	-2.408	312.806	1
3115_3116	3115	3116	95.028	-12.101	0.026	-0.022	-2.004	671.335	1
3116_3116	3116	3116	39.281	4.061	0.013	-0.024	-2.115	275.276	1
3116_3117	3116	3117	101.969	-15.743	0.011	-0.085	-1.923	714.367	1
3117_3117	3117	3117	35.011	4.061	0.014	0.032	-1.965	247.93	1
3117_3118	3117	3118	103.005	-8.866	0.013	0.063	-1.801	718.03	1
3118_3118	3118	3118	31.17	3.986	0.015	-0.001	-1.822	220.66	1
3118_3119	3118	3119	108.342	-13.213	0.011	-0.082	-1.683	749.048	1
3119_3119	3119	3119	26.983	3.986	0.015	0.043	-1.656	193.847	1
3119_3120	3119	3120	106.81	-6.35	0.012	0.076	-1.541	736.347	1
3120_3120	3120	3120	22.795	3.952	0.016	0.027	-1.482	167.035	1
3120_3121	3120	3121	110.227	-10.586	0.008	-0.024	-1.426	756.131	1
3121_3121	3121	3121	18.334	3.952	0.016	0.042	-1.293	138.463	1
3121_3122	3121	3122	104.964	-3.161	0.008	0.046	-1.317	721.754	1
3122_3122	3122	3122	14.387	-2.45	-0.005	-0.016	-0.938	118.444	1
3122_3123	3122	3123	104.577	-7.905	0.007	-0.015	-1.225	720.057	1
3123_3123	3123	3123	16.96	-2.45	-0.004	0	-0.99	134.923	1
3123_3124	3123	3124	96.595	-0.988	0.007	0.057	-1.143	671.025	1
3124_3124	3124	3124	19.536	-2.576	-0.005	-0.017	-1.038	151.417	1
3124_3125	3124	3125	91.947	-16.586	-0.005	-0.058	-1.147	652.276	1
3125_3125	3125	3125	22.179	-2.58	-0.005	0.022	-1.095	168.766	1
3125_3126	3125	3126	82.962	-10.321	-0.003	0.069	-1.148	596.738	1
3126_3126	3126	3126	24.739	-2.83	-0.003	-0.002	-1.135	186.128	1
3126_3127	3126	3127	76.44	-11.895	-0.005	-0.02	-1.156	554.469	1
3127_3127	3127	3127	29.371	-2.795	-0.002	0.032	-1.056	212.841	1
3127_3128	3127	3128	69.161	-7.335	-0.005	0.048	-1.054	512.048	1
3128_3128	3128	3128	30.88	-3.413	-0.01	-0.008	-1.077	228.212	1
3128_3129	3128	3129	55.673	-8.672	-0.004	-0.028	-1.05	464.35	1
3129_3129	3129	3129	27.947	-3.611	-0.011	0.122	-1.454	277.102	1
3129_3130	3129	3130	29.21	-2.139	-0.005	0.119	-1.326	383.86	1
3130_3130	3130	3130	25.84	-4.189	0.027	0.042	-1.571	318.585	1
3130_3131	3130	3131	12.806	0.801	0.068	0.021	-0.507	248.382	1
3131_3131	3131	3131	45.393	-17.606	-0.037	-0.093	0.812	445.13	1
3131_3132	3131	3132	16.063	-3.714	-0.024	-0.009	-1.168	199.795	1
3132_3132	3132	3132	38.047	25.21	0.102	0.088	-1.695	348.122	1
3132_3133	3132	3133	65.15	-30.923	-0.091	0.222	-0.707	284.838	1
3133_3133	3133	3133	20.626	15.148	0.073	0.057	-0.841	203.702	1
3133_3134	3133	3134	71.982	-26.753	-0.086	0.159	-1.137	340.349	1
3134_3134	3134	3134	8.58	10.832	0.045	-0.122	-0.499	138.969	1
3134_3135	3134	3135	75.643	-22.254	-0.066	-0.246	-1.518	385.964	1
3135_3135	3135	3135	-12.641	0.346	-0.053	-0.065	1.183	111.487	1
3135_3136	3135	3136	79.85	-21.78	0.041	0	-1.116	434.417	1
3136_3136	3136	3136	-12.897	0.346	-0.053	-0.065	0.76	109.743	1
3136_3137	3136	3137	81.202	-16.884	0.038	-0.011	-0.751	461.287	1
3137_3137	3137	3137	-12.558	0.328	-0.048	-0.049	0.31	108.076	1

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3137_3138	3137	3138	80.123	-11.592	0.033	0.045	-0.433	467.664	1
3138_3138	3138	3138	-12.011	-0.14	-0.041	-0.06	-0.103	106.499	1
3138_3139	3138	3139	80.098	-25.89	-0.004	-0.031	-0.301	490.341	1
3139_3139	3139	3139	-11.933	-0.14	-0.041	-0.06	-0.346	107.028	1
3139_3140	3139	3140	81.452	-21.823	-0.008	-0.039	-0.334	499.213	1
3140_3140	3140	3140	-12.253	-0.147	-0.036	-0.04	-0.581	107.579	1
3140_3141	3140	3141	80.684	-17.879	-0.013	0.048	-0.42	491.996	1
3141_3141	3141	3141	-12.549	-0.152	-0.041	-0.061	-0.788	108.14	1
3141_3142	3141	3142	78.561	-14.227	-0.015	-0.048	-0.54	473.361	1
3142_3142	3142	3142	-12.465	-0.463	-0.041	-0.055	-1.037	108.712	1
3142_3143	3142	3143	78.957	-16.883	-0.014	-0.043	-0.708	467.667	1
3143_3143	3143	3143	-12.909	-0.501	-0.038	-0.039	-1.364	111.183	1
3143_3144	3143	3144	76.91	-11.991	-0.019	0.019	-0.925	441.319	1
3144_3144	3144	3144	-13.836	-0.572	-0.043	-0.057	-1.664	113.867	1
3144_3145	3144	3145	72.148	-7.583	-0.02	-0.046	-1.168	394.439	1
3145_3145	3145	3145	-14.334	-0.77	-0.034	-0.031	-2.008	116.887	1
3145_3146	3145	3146	68.283	-7.654	0.013	0.009	-1.15	352.426	1
3146_3146	3146	3146	6.195	-10.735	-0.043	-0.034	-0.858	152.732	1
3146_3147	3146	3147	62.131	-3.637	0.009	-0.047	-1.206	295.694	1
3147_3147	3147	3147	18.286	-15.431	-0.045	-0.015	-0.905	223.447	1
3147_3148	3147	3148	52.961	0.369	-0.001	-0.028	-1.456	218.951	1
3148_3148	3148	3148	58.211	23.553	-0.008	0.119	1.726	560.989	1
3148_3149	3148	3149	9.274	-33.902	-0.002	-0.07	-1.124	301.983	1
3149_3149	3149	3149	24.508	6.336	0.008	-0.05	-1.88	464.726	1
3149_3150	3149	3150	26.301	-27.441	0.006	-0.03	-1.183	426.875	1
3150_3150	3150	3150	27.922	5.551	0.005	-0.07	-1.797	398.63	1
3150_3151	3150	3151	46.221	-24.02	-0.012	-0.054	-1.39	530.004	1
3151_3151	3151	3151	34.225	5.081	0.004	-0.017	-1.404	315.03	1
3151_3152	3151	3152	65.791	-17.35	-0.011	-0.019	-1.306	528.299	1
3152_3152	3152	3152	32.74	4.461	0.01	-0.009	-1.366	272.714	1
3152_3153	3152	3153	73.769	-20.467	0.012	-0.004	-1.221	567.515	1
3153_3153	3153	3153	32.435	4.403	0.008	-0.002	-1.057	237.372	1
3153_3154	3153	3154	81.988	-12.169	0.007	-0.006	-0.92	562.407	1
3154_3154	3154	3154	26.417	4.162	0.006	0	-0.957	201.953	1
3154_3155	3154	3155	87.881	-15.386	0.006	-0.018	-0.867	597.18	1
3155_3155	3155	3155	21.681	4.162	0.007	0.01	-0.888	175.105	1
3155_3156	3155	3156	87.514	-8.484	0.007	0.014	-0.804	594.701	1
3156_3156	3156	3156	16.945	4.1	0.006	0.01	-0.811	148.258	1
3156_3157	3156	3157	90.938	-12.59	0.002	0.002	-0.788	613.367	1
3157_3157	3157	3157	12.701	4.1	0.006	0.01	-0.748	124.195	1
3157_3158	3157	3158	88.368	-6.327	0.001	-0.001	-0.785	597.94	1
3158_3158	3158	3158	8.456	4.078	0.007	0.014	-0.684	100.133	1
3158_3159	3158	3159	90.625	-21.068	-0.003	-0.003	-0.806	611.258	1
3159_3159	3159	3159	10.608	-3.577	-0.006	-0.008	-0.729	110.806	1
3159_3160	3159	3160	87.043	-15.142	-0.004	-0.005	-0.833	591.621	1
3160_3160	3160	3160	14.316	-3.687	-0.007	-0.008	-0.793	131.827	1
3160_3161	3160	3161	87.21	-18.263	-0.008	-0.019	-0.907	592.937	1
3161_3161	3161	3161	18.466	-3.689	-0.006	0.002	-0.866	155.592	1
3161_3162	3161	3162	81.113	-11.971	-0.008	0.012	-0.969	557.084	1
3162_3162	3162	3162	22.664	-4.007	-0.007	0.005	-0.931	179.389	1
3162_3163	3162	3163	77.839	-13.175	-0.011	0.011	-1.068	533.993	1
3163_3163	3163	3163	26.877	-4.067	-0.009	0	-1.09	218.726	1
3163_3164	3163	3164	66.349	-8.717	-0.014	-0.018	-1.226	511.245	1
3164_3164	3164	3164	29.407	-4.689	-0.003	0.016	-1.161	240.175	1
3164_3165	3164	3165	54.054	-9.416	0.011	0.018	-1.045	471.861	1
3165_3165	3165	3165	28.456	-5.093	-0.004	0.048	-1.316	292.48	1
3165_3166	3165	3166	29.337	-3.063	0.009	0.031	-0.979	392.444	1
3166_3166	3166	3166	27.073	-5.912	-0.006	0.035	-1.368	346.216	1
3166_3167	3166	3167	12.408	-0.374	0.001	0.019	-0.933	270.669	1
3167_3167	3167	3167	24.158	-6.411	-0.006	0.093	-1.424	407.862	1
3167_3168	3167	3168	23.775	-2.754	0.001	-0.028	-0.096	182.147	1
3168_3168	3168	3168	41.965	24.088	0.035	-0.007	-0.741	339.984	1
3168_3169	3168	3169	64.62	-30.396	0.001	-0.011	-1.026	286.541	1
3169_3169	3169	3169	22.67	16	0.029	0.02	-0.583	212.1	1
3169_3170	3169	3170	72.008	-26.442	-0.006	0.025	-0.743	338.602	1
3170_3170	3170	3170	8.517	11.521	0.029	0.024	-0.539	146.864	1
3170_3171	3170	3171	76.463	-22.159	-0.011	0.02	-0.735	380.843	1
3171_3171	3171	3171	-4.516	7.973	0.017	0.029	-0.535	103.397	1
3171_3172	3171	3172	81.756	-22.08	0.011	0.015	-0.58	427.266	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3172_3172	3172	3172	-2.728	0.853	-0.028	-0.039	0.568	92.913	1
3172_3173	3172	3173	84.325	-17.331	0.008	0.011	-0.455	455.025	1
3173_3173	3173	3173	-3.397	0.853	-0.028	-0.039	0.347	88.762	1
3173_3174	3173	3174	84.412	-12.192	0.006	0.006	-0.363	463.898	1
3174_3174	3174	3174	-12.056	-0.068	0.031	0.05	-0.561	85.16	1
3174_3175	3174	3175	86.682	-15.885	0.008	0.056	-0.285	482.343	1
3175_3175	3175	3175	-12.016	-0.068	0.028	0.035	-0.376	85.409	1
3175_3176	3175	3176	87.531	-12.027	0.006	-0.037	-0.235	490.013	1
3176_3176	3176	3176	-11.975	-0.068	0.031	0.05	-0.211	85.657	1
3176_3177	3176	3177	86.162	-8.051	0.002	0.047	-0.225	482.451	1
3177_3177	3177	3177	-10.597	-0.085	0.027	0.034	-0.051	85.909	1
3177_3178	3177	3178	86.027	-14.5	-0.011	-0.054	-0.366	463.613	1
3178_3178	3178	3178	-10.547	-0.719	0.024	0.037	0.11	86.218	1
3178_3179	3178	3179	86.497	-16.63	-0.008	-0.03	-0.455	454.886	1
3179_3179	3179	3179	-11.308	-0.75	0.025	0.037	0.337	89.804	1
3179_3180	3179	3180	84.479	-11.893	-0.01	-0.037	-0.571	427.359	1
3180_3180	3180	3180	-10.72	-0.75	0.027	0.05	0.533	93.453	1
3180_3181	3180	3181	79.707	-7.623	-0.014	0.008	-0.727	381.135	1
3181_3181	3181	3181	-1.331	-7.628	-0.028	-0.031	-0.525	100.377	1
3181_3182	3181	3182	75.706	-7.484	0.007	-0.045	-0.724	338.898	1
3182_3182	3182	3182	10.769	-11.579	-0.027	-0.006	-0.53	144.566	1
3182_3183	3182	3183	69.449	-3.645	0	-0.003	-0.8	283.657	1
3183_3183	3183	3183	23.136	-16.098	-0.032	-0.019	-0.634	215.428	1
3183_3184	3183	3184	60.917	0.194	-0.006	-0.023	-1.1	207.039	1
3184_3184	3184	3184	59.487	26.761	-0.005	0.095	1.196	610.398	1
3184_3185	3184	3185	11.78	-35.072	-0.003	-0.058	-0.821	254.528	1
3185_3185	3185	3185	51.12	19.971	0	0.041	1.055	401.021	1
3185_3186	3185	3186	31.097	-29.006	0.003	-0.027	-0.881	382.618	1
3186_3186	3186	3186	30.429	4.26	0.001	-0.055	-1.236	323.59	1
3186_3187	3186	3187	54.432	-25.452	-0.015	-0.049	-1.1	493.161	1
3187_3187	3187	3187	34.614	4.016	0.001	-0.014	-1.118	266.404	1
3187_3188	3187	3188	74	-19.006	-0.015	-0.018	-1.193	523.002	1
3188_3188	3188	3188	33.543	3.507	0.006	-0.012	-1.12	232.63	1
3188_3189	3188	3189	84.052	-21.369	0.007	-0.008	-1.153	570.369	1
3189_3189	3189	3189	32.055	3.553	0.005	-0.004	-0.974	217.239	1
3189_3190	3189	3190	91.919	-13.394	0.003	-0.01	-1.025	617.69	1
3190_3190	3190	3190	27.108	3.284	0.004	0.001	-0.907	187.654	1
3190_3191	3190	3191	99.517	-15.949	0.003	-0.005	-1.017	663.026	1
3191_3191	3191	3191	23.585	3.277	0.004	0.001	-0.866	165.787	1
3191_3192	3191	3192	101.093	-9.3	0.001	-0.01	-1.029	671.227	1
3192_3192	3192	3192	19.975	3.17	0.005	0.009	-0.82	143.936	1
3192_3193	3192	3193	105.941	-24.178	-0.003	-0.011	-1.073	696.732	1
3193_3193	3193	3193	16.712	3.17	0.005	0.009	-0.773	124.581	1
3193_3194	3193	3194	104.814	-18.351	-0.005	-0.015	-1.112	690.196	1
3194_3194	3194	3194	17.665	-4.015	-0.009	-0.014	-0.963	128.158	1
3194_3195	3194	3195	107.478	-21.697	-0.008	-0.009	-1.183	706.577	1
3195_3195	3195	3195	21.798	-4.015	-0.009	-0.014	-1.058	152.675	1
3195_3196	3195	3196	104.39	-15.99	-0.009	-0.012	-1.264	688.799	1
3196_3196	3196	3196	25.933	-4.176	-0.011	0.002	-1.153	177.196	1
3196_3197	3196	3197	104.363	-18.602	-0.012	0.018	-1.374	688.935	1
3197_3197	3197	3197	30.393	-4.191	-0.011	-0.011	-1.26	205.034	1
3197_3198	3197	3198	98.335	-12.576	-0.014	-0.025	-1.498	652.132	1
3198_3198	3198	3198	35.106	-4.606	-0.011	0.002	-1.378	232.99	1
3198_3199	3198	3199	94.086	-13.286	-0.012	-0.003	-1.579	623.259	1
3199_3199	3199	3199	40.443	-4.548	-0.011	0.026	-1.599	265.007	1
3199_3200	3199	3200	82.921	-8.89	-0.013	0.024	-1.72	567.765	1
3200_3200	3200	3200	43.257	-5.027	-0.007	0.013	-1.691	288.757	1
3200_3201	3200	3201	68.225	-8.87	0.008	0.007	-1.529	521.886	1
3201_3201	3201	3201	40.779	-5.154	-0.01	0.122	-2.71	354.258	1
3201_3202	3201	3202	39.133	-2.848	0.01	0.099	-2.004	451.3	1
3202_3202	3202	3202	38.501	-5.826	-0.011	0.084	-2.791	411.487	1
3202_3203	3202	3203	20.333	-0.132	-0.004	0.055	-1.88	322.366	1
3203_3203	3203	3203	34.946	-6.064	-0.011	0.189	-2.924	474.802	1
3203_3204	3203	3204	13.106	-1.429	-0.008	0.084	-1.37	193.272	1
3204_3204	3204	3204	43.335	23.249	0.042	0.037	-1.258	365.552	1
3204_3205	3204	3205	71.902	-29.522	0.021	0.054	-2.294	328.539	1
3205_3205	3205	3205	24.114	15.849	0.041	-0.002	-1.353	242.15	1
3205_3206	3205	3206	78.12	-25.906	0.013	-0.004	-1.623	385.886	1
3206_3206	3206	3206	9.126	11.222	0.047	0.03	-1.486	174.229	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3206_3207	3206	3207	81.718	-21.984	0.003	0.04	-1.385	426.806	1
3207_3207	3207	3207	-3.559	7.927	0.048	0.05	-1.526	128.455	1
3207_3208	3207	3208	85.982	-21.618	0.022	0.011	-1.033	471.147	1
3208_3208	3208	3208	-13.013	1.464	0.067	0.067	-2.029	110.836	1
3208_3209	3208	3209	87.972	-17.217	0.016	-0.002	-0.764	498.6	1
3209_3209	3209	3209	-11.526	1.208	0.069	0.081	-1.533	104.334	1
3209_3210	3209	3210	87.967	-12.44	0.009	0.053	-0.587	509.334	1
3210_3210	3210	3210	-10.832	0.644	0.063	0.07	-1	98.475	1
3210_3211	3210	3211	88.878	-26.345	-0.006	-0.033	-0.333	526.95	1
3211_3211	3211	3211	-8.584	-0.845	-0.072	-0.081	0.103	100.511	1
3211_3212	3211	3212	90.559	-22.607	-0.011	-0.043	-0.363	535.177	1
3212_3212	3212	3212	-8.107	-0.845	-0.068	-0.062	-0.329	103.669	1
3212_3213	3212	3213	90.297	-18.972	-0.018	0.04	-0.465	528.944	1
3213_3213	3213	3213	-7.628	-0.845	-0.072	-0.081	-0.738	106.826	1
3213_3214	3213	3214	88.818	-15.58	-0.022	-0.056	-0.62	512.58	1
3214_3214	3214	3214	-8.283	-1.306	-0.067	-0.064	-1.157	110.115	1
3214_3215	3214	3215	89.132	-16.991	-0.015	0.021	-0.795	503.16	1
3215_3215	3215	3215	-8.324	-1.379	-0.071	-0.08	-1.682	116.681	1
3215_3216	3215	3216	87.436	-12.585	-0.019	-0.051	-1.042	476.919	1
3216_3216	3216	3216	-7.759	-1.412	-0.071	-0.08	-2.243	123.694	1
3216_3217	3216	3217	83.426	-8.6	-0.025	-0.055	-1.372	433.628	1
3217_3217	3217	3217	-3.939	-6.758	-0.057	-0.057	-1.733	134.162	1
3217_3218	3217	3218	79.986	-8.221	-0.009	-0.033	-1.593	393.16	1
3218_3218	3218	3218	9.824	-10.878	-0.055	-0.075	-1.602	177.499	1
3218_3219	3218	3219	74.66	-4.674	-0.016	-0.1	-1.909	341.069	1
3219_3219	3219	3219	24.029	-15.874	-0.047	0.035	-1.515	243.862	1
3219_3220	3219	3220	67.189	-1.072	-0.035	0.022	-2.564	261.87	1
3220_3220	3220	3220	56.211	28.689	-0.01	0.12	2.584	578.255	1
3220_3221	3220	3221	19.441	-34.764	0.004	-0.203	-1.608	329.072	1
3221_3221	3221	3221	39.508	5.942	0.014	0.012	-2.826	491.857	1
3221_3222	3221	3222	40.183	-29.204	0.016	-0.024	-1.66	459.244	1
3222_3222	3222	3222	43.615	5.314	0.014	-0.247	-2.681	428.085	1
3222_3223	3222	3223	64.905	-25.87	-0.016	-0.312	-1.967	573.041	1
3223_3223	3223	3223	50.202	5.186	0.01	0.064	-1.639	346.457	1
3223_3224	3223	3224	89.59	-19.868	-0.008	0.083	-1.475	591.201	1
3224_3224	3224	3224	48.693	4.656	0.005	-0.106	-1.526	303.283	1
3224_3225	3224	3225	100.731	-21.758	0.003	-0.208	-1.479	641.949	1
3225_3225	3225	3225	43.717	4.801	0.007	0.046	-1.563	295.998	1
3225_3226	3225	3226	103.478	-13.122	0.004	0.087	-1.56	734.79	1
3226_3226	3226	3226	36.348	4.494	0.009	-0.053	-1.46	248.946	1
3226_3227	3226	3227	111.142	-27.309	0.001	-0.236	-1.567	784.728	1
3227_3227	3227	3227	31.331	4.481	0.01	0.055	-1.352	215.543	1
3227_3228	3227	3228	112.042	-8.033	0.006	0.154	-1.49	790.806	1
3228_3228	3228	3228	26.11	4.348	0.008	-0.016	-1.228	182.197	1
3228_3229	3228	3229	115.725	-22.846	-0.005	-0.231	-1.558	813.28	1
3229_3229	3229	3229	21.529	-4.309	-0.008	0.009	-1.203	160.563	1
3229_3230	3229	3230	111.382	-16.41	-0.004	0.128	-1.59	785.486	1
3230_3230	3230	3230	26.491	-4.509	-0.008	-0.073	-1.297	192.581	1
3230_3231	3230	3231	109.851	-17.998	-0.008	-0.206	-1.662	775.155	1
3231_3231	3231	3231	31.619	-4.524	-0.007	0.039	-1.391	226.599	1
3231_3232	3231	3232	101.164	-11.759	-0.007	0.134	-1.702	718.02	1
3232_3232	3232	3232	36.843	-4.961	-0.005	-0.059	-1.472	260.667	1
3232_3233	3232	3233	98.009	-14.539	0.009	-0.102	-1.583	695.814	1
3233_3233	3233	3233	40.586	-4.961	-0.004	-0.038	-1.508	284.567	1
3233_3234	3233	3234	92.138	-10.802	0.009	-0.064	-1.465	655.758	1
3234_3234	3234	3234	44.035	-4.85	-0.006	0.072	-2.419	308.067	1
3234_3235	3234	3235	80.295	-6.615	0.015	0.115	-2.064	596.377	1
3235_3235	3235	3235	47.026	-5.276	-0.026	-0.049	-2.474	336.501	1
3235_3236	3235	3236	72.084	-7.616	-0.072	-0.061	-2.419	562.516	1
3236_3236	3236	3236	47.822	-5.228	-0.025	0.016	-2.586	359.07	1
3236_3237	3236	3237	63.226	-5.243	-0.07	0.017	-2.716	525.869	1
3237_3237	3237	3237	40.7	-5.471	-0.038	0.306	-4.271	419.48	1
3237_3238	3237	3238	37.103	-1.745	-0.096	0.311	-4.963	488.054	1
3238_3238	3238	3238	39.286	-7.69	0.059	-0.016	-4.643	465.257	1
3238_3239	3238	3239	27.258	-7.185	0.071	-0.031	-3.771	435.115	1
3239_3239	3239	3239	37.68	-7.807	0.061	0.31	-4.017	531.341	1
3239_3240	3239	3240	15.851	-2.439	0.061	0.191	-2.641	338.411	1
3240_3240	3240	3240	34.992	-11.868	-0.071	0.47	-3.282	604.306	1
3240_3241	3240	3241	13.559	-12.183	0.035	0.028	-2.183	314.504	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3241_3241	3241	3241	24.764	14.991	-0.029	-0.145	-1.357	353.155	1
3241_3242	3241	3242	84.237	-19.964	-0.02	0.002	-4.36	453.454	1
3242_3242	3242	3242	10.498	11.478	-0.026	0.051	-2.498	263.507	1
3242_3243	3242	3243	83.426	-15.831	-0.035	0.259	-3.918	458.84	1
3243_3243	3243	3243	0.199	11.205	0.09	0.029	-3.25	208.02	1
3243_3244	3243	3244	88.347	-23.236	0.128	-0.075	-2.274	521.094	1
3244_3244	3244	3244	-19.06	3.182	0.142	0.129	-4.372	159.738	1
3244_3245	3244	3245	91.028	-18.245	0.105	0.091	-0.836	564.925	1
3245_3245	3245	3245	-16.819	1.278	0.104	0.078	-3.402	146.842	1
3245_3246	3245	3246	93.588	-15.979	0.016	-0.2	-0.45	602.478	1
3246_3246	3246	3246	-14.558	0.949	0.122	0.179	-2.46	139.411	1
3246_3247	3246	3247	93.35	-10.479	-0.005	0.19	-0.408	611.845	1
3247_3247	3247	3247	-14.468	0.506	0.08	0.096	-1.303	133.316	1
3247_3248	3247	3248	93.052	-9.231	0.042	-0.187	-0.007	615.141	1
3248_3248	3248	3248	-10.732	-0.879	-0.08	-0.104	-1.548	134.905	1
3248_3249	3248	3249	92.096	-15.476	0.011	0.07	0.114	584.478	1
3249_3249	3249	3249	-11.43	-1.297	-0.047	-0.176	-2.352	141.544	1
3249_3250	3249	3250	89.779	-13.094	-0.038	-0.198	-0.366	545.535	1
3250_3250	3250	3250	-13.021	-1.588	-0.036	-0.097	-2.773	151.267	1
3250_3251	3250	3251	85.731	-8.757	-0.046	0.036	-0.861	489.91	1
3251_3251	3251	3251	-14.72	-3.714	-0.22	-0.2	-2.94	162.704	1
3251_3252	3251	3252	88.74	-16.535	-0.209	-0.295	-2.613	490.305	1
3252_3252	3252	3252	-2.271	-8.006	-0.14	-0.05	-3.143	201.178	1
3252_3253	3252	3253	88.433	-12.001	-0.255	-0.039	-4.993	465.143	1
3253_3253	3253	3253	9.786	-10.438	-0.096	0.022	-3.094	252.801	1
3253_3254	3253	3254	86.43	-8.248	-0.271	0.027	-7.162	422.763	1
3254_3254	3254	3254	21.209	-12.154	0.041	0.673	-2.754	312.973	1
3254_3255	3254	3255	88.109	-18.457	0.243	0.432	-6.571	428.354	1
3255_3255	3255	3255	35.205	7.854	0.234	-0.623	-5.023	653.696	1
3255_3256	3255	3256	20.602	-27.758	0.253	-0.285	-1.636	406.595	1
3256_3256	3256	3256	39.36	7.718	0.236	-0.092	-2.662	582.23	1
3256_3257	3256	3257	29.381	-24.295	0.287	0.006	0.565	453.723	1
3257_3257	3257	3257	41.856	5.911	-0.111	-0.314	-0.765	529.065	1
3257_3258	3257	3258	45.18	-30.71	-0.125	-0.306	-0.515	556.194	1
3258_3258	3258	3258	44.58	5.899	-0.11	-0.098	-1.875	478.167	1
3258_3259	3258	3259	59.836	-27.075	-0.124	-0.126	-1.512	629.512	1
3259_3259	3259	3259	53.223	5.62	-0.068	0.095	-1.788	395.625	1
3259_3260	3259	3260	76.648	-25.813	-0.076	0.118	-1.198	588.583	1
3260_3260	3260	3260	53.013	5.151	0.004	-0.144	-1.994	381.654	1
3260_3261	3260	3261	90.021	-25.598	-0.034	-0.197	-1.424	641.601	1
3261_3261	3261	3261	52.069	5.383	0.005	-0.048	-1.967	353.149	1
3261_3262	3261	3262	101.758	-20.929	-0.037	-0.081	-1.812	696.321	1
3262_3262	3262	3262	50.373	5.478	0.005	0.067	-1.434	299.727	1
3262_3263	3262	3263	110.022	-16.882	-0.027	0.123	-1.586	680.417	1
3263_3263	3263	3263	46.129	4.965	0.002	-0.05	-1.396	275.778	1
3263_3264	3263	3264	119.038	-17.4	0	-0.125	-1.635	734.587	1
3264_3264	3264	3264	40.477	4.965	0.003	0.008	-1.368	243.886	1
3264_3265	3264	3265	122.283	-24.487	-0.008	0.007	-1.761	757.421	1
3265_3265	3265	3265	34.65	4.713	0.004	-0.034	-1.335	210.536	1
3265_3266	3265	3266	128.093	-25.421	-0.006	-0.173	-1.797	791.148	1
3266_3266	3266	3266	29.156	4.71	0.005	0.028	-1.285	179.329	1
3266_3267	3266	3267	126.787	-19.583	-0.005	0.072	-1.833	784.702	1
3267_3267	3267	3267	23.931	4.549	0.004	-0.005	-1.227	148.629	1
3267_3268	3267	3268	126.972	-20.63	-0.012	-0.127	-1.942	786.547	1
3268_3268	3268	3268	24.041	-4.392	-0.01	-0.001	-1.378	169.888	1
3268_3269	3268	3269	120.208	-14.902	-0.012	0.052	-2.038	748.793	1
3269_3269	3269	3269	29.12	-4.646	-0.013	-0.056	-1.492	198.552	1
3269_3270	3269	3270	114.654	-15.014	-0.001	-0.13	-1.98	716.87	1
3270_3270	3270	3270	34.706	-4.661	-0.011	0.025	-1.638	230.938	1
3270_3271	3270	3271	103.125	-9.45	0.002	0.092	-1.852	649.856	1
3271_3271	3271	3271	40.405	-5.028	0.011	-0.096	-1.769	263.083	1
3271_3272	3271	3272	97.141	-10.331	-0.017	-0.143	-1.893	614.275	1
3272_3272	3272	3272	41.015	-4.989	0.017	-0.013	-2.27	308.461	1
3272_3273	3272	3273	78.195	-6.228	-0.017	-0.003	-2.544	602.82	1
3273_3273	3273	3273	44.061	-4.91	0.018	0.148	-2.094	339.799	1
3273_3274	3273	3274	63.374	-3.051	-0.01	0.221	-2.441	535.289	1
3274_3274	3274	3274	44.883	-6.906	0.083	-0.1	-1.951	369.892	1
3274_3275	3274	3275	61.684	-13.658	0.097	-0.104	-2.156	532.211	1
3275_3275	3275	3275	39.117	-7.142	0.132	-0.04	-2.774	418.143	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3275_3276	3275	3276	43.681	-9.749	0.14	-0.052	-1.777	550.72	1
3276_3276	3276	3276	38.789	-7.307	0.133	0.226	-1.61	467.886	1
3276_3277	3276	3277	32.608	-5.86	0.131	0.206	-0.326	492.473	1
3277_3277	3277	3277	37.371	-9.861	-0.198	0.251	-0.454	521.042	1
3277_3278	3277	3278	23.931	-9.28	-0.098	0.411	-1.108	447.007	1
3278_3278	3278	3278	35.668	-10.261	-0.191	0.637	-2.448	605.389	1
3278_3279	3278	3279	14.95	-5.197	-0.089	0.6	-1.678	369.799	1
3279_3279	3279	3279	19.441	12.153	-0.016	-0.146	-1.766	334.082	1
3279_3280	3279	3280	90.487	-16.172	0.056	-1.569	-2.681	483.523	1
3280_3280	3280	3280	13.932	11.509	0.013	-0.118	-2.047	302.073	1
3280_3281	3280	3281	92.108	-22.227	0.012	-0.249	-2.291	509.952	1
3281_3281	3281	3281	6.549	9.617	0.024	0.025	-2.186	249.703	1
3281_3282	3281	3282	92.715	-17.29	-0.01	-0.001	-1.776	521.98	1
3282_3282	3282	3282	-5.99	7.646	0.042	0.128	-2.514	195.438	1
3282_3283	3282	3283	89.45	-12.809	-0.025	0.214	-1.729	513.812	1
3283_3283	3283	3283	-24.355	6.684	0.376	-0.001	-7.841	195.232	1
3283_3284	3283	3284	77.082	-13.864	0.226	-0.269	-1.25	578.645	1
3284_3284	3284	3284	-28.862	3.585	0.541	0.174	-4.251	154.426	1
3284_3285	3284	3285	72.094	-6.761	0.126	0.273	0.657	547.545	1
3285_3285	3285	3285	-28.226	2.312	-0.059	0.053	2.132	125.264	1
3285_3286	3285	3286	74.683	-22.043	-0.011	-0.337	-0.624	564.491	1
3286_3286	3286	3286	-19.843	-1.707	0.018	-0.033	-2.714	138.973	1
3286_3287	3286	3287	74.808	-15.836	-0.039	0.218	-1.202	541.811	1
3287_3287	3287	3287	-20.12	-2.952	-0.189	-0.188	-2.484	152.581	1
3287_3288	3287	3288	79.907	-18.954	-0.056	-0.302	-1.888	558.601	1
3288_3288	3288	3288	-21.073	-3.577	-0.158	-0.021	-4.564	179.466	1
3288_3289	3288	3289	81.874	-13.021	-0.118	0.138	-3.475	535.322	1
3289_3289	3289	3289	-17.834	-6.692	-0.056	-0.253	-5.213	213.616	1
3289_3290	3289	3290	86.442	-17.73	-0.008	-0.357	-3.951	548.567	1
3290_3290	3290	3290	-7.652	-8.172	-0.04	-0.085	-4.655	259.821	1
3290_3291	3290	3291	88.39	-13.566	-0.057	-0.074	-4.902	537.253	1
3291_3291	3291	3291	0.647	-9.764	-0.033	0.105	-4.256	316.558	1
3291_3292	3291	3292	88.896	-9.848	-0.107	0.173	-6.472	518.322	1
3292_3292	3292	3292	9.936	-12.054	0.086	0.438	-3.886	376.773	1
3292_3293	3292	3293	90.407	-17.47	0.265	-0.615	-6.039	524.483	1
3293_3293	3293	3293	33.067	8.563	0.038	-0.58	-3.498	797.534	1
3293_3294	3293	3294	20.396	-27.896	0.075	-0.253	-1.921	505.855	1
3294_3294	3294	3294	35.954	8.436	0.036	0.406	-3.37	731.281	1
3294_3295	3294	3295	31.018	-23.503	0.153	0.343	-0.7	594.867	1
3295_3295	3295	3295	37.856	6.238	0.058	-0.64	-2.933	658.094	1
3295_3296	3295	3296	45.155	-41.867	-0.03	-0.713	0.059	740.762	1
3296_3296	3296	3296	39.609	6.263	0.06	0.108	-2.361	598.129	1
3296_3297	3296	3297	56.361	-37.4	-0.027	0.059	-0.317	832.516	1
3297_3297	3297	3297	45.96	6.136	0.042	0.345	-1.287	513.538	1
3297_3298	3297	3298	71.437	-34.847	-0.017	0.4	-0.357	805.041	1
3298_3298	3298	3298	44.947	4.89	-0.028	-0.21	-1.094	493.83	1
3298_3299	3298	3299	81.075	-37.454	-0.056	-0.366	-0.928	897.891	1
3299_3299	3299	3299	42.64	4.916	-0.027	-0.023	-1.323	465.387	1
3299_3300	3299	3300	87.225	-33.424	-0.05	-0.036	-1.394	962.432	1
3300_3300	3300	3300	34.52	4.956	-0.041	0.222	-2.334	472.436	1
3300_3301	3300	3301	78.243	-29.98	-0.066	0.444	-2.655	1081.707	1
3301_3301	3301	3301	32.656	4.118	0.037	-0.284	-2.647	446.657	1
3301_3302	3301	3302	86.289	-31.915	0.055	-0.74	-1.915	1188.474	1
3302_3302	3302	3302	29.923	4.107	0.038	0.172	-2.203	410.007	1
3302_3303	3302	3303	89.738	-25.617	0.054	0.47	-1.193	1234.071	1
3303_3303	3303	3303	27.15	3.633	0.018	-0.162	-1.736	373.123	1
3303_3304	3303	3304	94.855	-28.178	0.017	-0.601	-0.936	1301.9	1
3304_3304	3304	3304	24.568	3.633	0.019	0.137	-1.503	338.769	1
3304_3305	3304	3305	95.149	-22.434	0.019	0.453	-0.662	1305.646	1
3305_3305	3305	3305	22.366	3.333	0.021	-0.128	-1.296	308.225	1
3305_3306	3305	3306	98.281	-11.072	0.023	-0.688	-0.399	1347.462	1
3306_3306	3306	3306	19.922	3.333	0.022	0.171	-1.019	275.718	1
3306_3307	3306	3307	96.837	-5.425	0.027	0.724	-0.055	1328.1	1
3307_3307	3307	3307	17.885	3.199	0.03	-0.068	-0.777	248.602	1
3307_3308	3307	3308	97.882	-9.219	0.021	-0.637	0.277	1341.834	1
3308_3308	3308	3308	15.682	3.196	0.031	0.146	-0.398	218.994	1
3308_3309	3308	3309	94.292	-3.231	0.023	0.626	0.592	1293.789	1
3309_3309	3309	3309	13.611	3.167	0.029	-0.014	-0.033	191.435	1
3309_3310	3309	3310	92.953	-7.226	0.03	-0.557	0.964	1275.382	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3310_3310	3310	3310	11.53	3.167	0.03	0.126	0.313	163.736	1
3310_3311	3310	3311	86.245	-0.559	0.035	0.48	1.439	1184.882	1
3311_3311	3311	3311	9.354	3.276	0.085	0.026	0.684	134.766	1
3311_3312	3311	3312	80.101	-2.746	-0.017	-0.468	1.287	1100.982	1
3312_3312	3312	3312	7.157	3.276	0.085	0.123	1.709	105.538	1
3312_3313	3312	3313	66.957	4.817	-0.036	0.47	0.555	922.599	1
3313_3313	3313	3313	5.068	3.25	-0.097	0.047	2.77	76.311	1
3313_3314	3313	3314	49.972	10.757	0.073	-0.203	1.288	694.099	1
3314_3314	3314	3314	3.05	3.176	-0.086	0.095	1.694	46.093	1
3314_3315	3314	3315	23.045	20.452	0.073	0.446	1.792	328.603	1
3315_3315	3315	3315	1.819	2.697	-0.189	0.1	1.549	17.994	1
3315_3316	3315	3316	1.802	-2.952	-0.057	-0.233	0	7.059	1
3400_3020	3400	3020	31.75	1.067	-1.168	-0.044	27.868	129.452	1
3400_3401	3400	3401	-24.986	16.371	2.334	-0.032	12.444	361.655	1
3401_3401	3401	3401	33.829	0.996	-1.591	0.226	23.346	125.439	1
3401_3402	3401	3402	-25.091	13.651	-0.707	-0.224	9.431	314.066	1
3402_3402	3402	3402	35.616	1.722	-1.694	0.017	18.355	122.017	1
3402_3403	3402	3403	-23.234	12.976	-0.584	0.116	2.251	172.321	1
3403_3403	3403	3403	40.538	2.632	0.003	0.055	0.292	103.981	1
3403_3404	3403	3404	-23.164	10.117	-0.102	0.021	1.557	99.444	1
3404_3404	3404	3404	43.979	3.359	-0.038	0.116	0.414	85.603	1
3404_3405	3404	3405	-25.277	9.491	-0.086	0.069	1.007	30.64	1
3405_3405	3405	3405	50.002	4.208	-0.071	0.089	0.47	63.062	1
3405_3406	3405	3406	-28.864	-4.529	0.05	-0.08	0.436	16.743	1
3406_3406	3406	3406	20.278	-5.348	0.078	-0.079	-0.025	93.907	1
3406_3407	3406	3407	-38.947	-6.413	-0.723	-0.185	-6.163	71.623	1
3407_3407	3407	3407	19.367	-5.804	-0.049	0.17	-0.026	145.468	1
3407_3408	3407	3408	-40.728	-7.338	-0.633	0.071	-9.556	112.217	1
3408_3408	3408	3408	17.872	-9.85	0.073	-0.062	-0.858	177.918	1
3408_3409	3408	3409	-41.157	1.255	1.841	-0.533	-4.956	107.873	1
3409_3409	3409	3409	17.841	9.761	0.054	0.06	-0.637	207.625	1
3409_3410	3409	3410	-43.197	-2.135	1.796	0.425	0.788	114.129	1
3410_3410	3410	3410	19.394	5.806	0.043	-0.224	-0.253	178.076	1
3410_3411	3410	3411	-42.681	6.926	-0.039	-0.201	-0.057	75.083	1
3411_3411	3411	3411	19.405	6.013	-0.034	0.126	0.121	146.604	1
3411_3412	3411	3412	-35.553	5.468	0.191	0.001	0.5	23.069	1
3412_3412	3412	3412	20.834	5.928	0	-0.014	-0.398	96.257	1
3412_3413	3412	3413	-25.469	-6.946	0.08	-0.043	1.138	29.518	1
3413_3413	3413	3413	49.429	-0.903	0.077	-0.135	0.098	56.376	1
3413_3414	3413	3414	-22.976	-9.359	0.05	-0.12	1.389	96.748	1
3414_3414	3414	3414	55.127	-1.991	-0.024	0.155	-0.109	72.343	1
3414_3415	3414	3415	-22.752	-9.889	0.09	0.047	1.969	168.026	1
3415_3415	3415	3415	57.149	-0.868	-2.239	-0.073	-0.054	87.165	1
3415_3416	3415	3416	-23.395	-12.77	0.571	-0.004	8.281	307.319	1
3416_3416	3416	3416	52.234	0.136	-2.207	0.526	-23.798	98.076	1
3416_3417	3416	3417	-23.085	-13.321	0.578	-0.096	10.263	353.724	1
3417_3417	3417	3417	52.362	0.221	-0.538	-0.067	-32.486	97.597	1
3417_3036	3417	3036	-23.021	-15.977	-2.564	0.036	0.026	419.257	1
3420_3056	3420	3056	30.132	0.143	-0.851	-0.045	22.683	87.554	1
3420_3421	3420	3421	-23.821	15.025	2.833	-0.026	9.652	318.785	1
3421_3421	3421	3421	31.005	0.147	-1.406	0.279	18.904	86.979	1
3421_3422	3421	3422	-23.93	12.436	-0.58	0.041	7.072	275.427	1
3422_3422	3422	3422	31.7	0.85	-1.444	-0.006	14.238	86.601	1
3422_3423	3422	3423	-23.659	11.837	-0.547	0.025	0.919	145.979	1
3423_3423	3423	3423	36.54	1.654	0.114	0.039	-1.258	78.682	1
3423_3424	3423	3424	-23.506	8.975	-0.035	0.005	0.673	81.339	1
3424_3424	3424	3424	40.08	2.304	0.075	0.117	-0.394	67.683	1
3424_3425	3424	3425	-24.179	8.415	-0.013	0.073	0.605	20.527	1
3425_3425	3425	3425	46.24	3.089	-0.095	0.082	0.429	53.033	1
3425_3426	3425	3426	-34.331	-3.389	0	0.062	0.54	15.661	1
3426_3426	3426	3426	21.555	-4.629	0.015	-0.018	-0.049	84.142	1
3426_3427	3426	3427	-40.579	-5.054	-0.148	0.059	-0.805	58.523	1
3427_3427	3427	3427	20.686	-4.719	-0.055	0.056	-0.319	128.022	1
3427_3428	3427	3428	-42.372	-5.993	-0.083	0.111	-0.962	91.522	1
3428_3428	3428	3428	19.326	-9.072	-0.039	-0.072	-0.747	154.794	1
3428_3429	3428	3429	-38.885	2.414	-1.229	-0.513	-4.939	83.9	1
3429_3429	3429	3429	19.333	9.102	-0.049	0.079	-0.861	182.345	1
3429_3430	3429	3430	-40.551	-2.164	-1.766	0.571	-9.953	90.13	1
3430_3430	3430	3430	20.674	4.805	0.045	0.096	-1.051	154.912	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3430_3431	3430	3431	-36.771	6.083	0.742	0.058	-5.417	56.049	1
3431_3431	3431	3431	20.598	5.132	0.048	-0.053	-0.569	128.249	1
3431_3432	3431	3432	-30.048	4.15	0.21	-0.077	0.405	14.5	1
3432_3432	3432	3432	20.801	5.508	0.018	-0.004	-0.384	84.385	1
3432_3433	3432	3433	-24.611	-6.253	0.036	-0.038	0.471	19.996	1
3433_3433	3433	3433	46.359	-1.706	-0.123	-0.053	0.12	53.709	1
3433_3434	3433	3434	-23.855	-8.399	0.031	0.007	0.635	80.493	1
3434_3434	3434	3434	41.467	-1.472	-0.084	-0.104	-0.772	69.663	1
3434_3435	3434	3435	-23.653	-8.952	0.011	-0.086	0.74	145.027	1
3435_3435	3435	3435	35.792	-0.794	1.65	-0.012	-1.722	81.664	1
3435_3436	3435	3436	-24.397	-11.846	0.608	-0.108	7.301	274.242	1
3436_3436	3436	3436	32.26	-0.21	1.503	-0.221	15.327	91.383	1
3436_3437	3436	3437	-24.099	-12.439	0.647	0.226	9.42	317.699	1
3437_3437	3437	3437	30.385	-0.277	0.663	0.052	20.581	92.204	1
3437_3072	3437	3072	-26.211	-15.194	-2.64	0.048	0.241	379.168	1
3440_3094	3440	3094	28.182	0.258	-0.89	-0.044	17.619	86.089	1
3440_3441	3440	3441	-23.962	14.795	2.955	-0.025	8.216	307.832	1
3441_3441	3441	3441	28.838	0.264	-1.052	0.253	13.718	85.179	1
3441_3442	3441	3442	-24.053	12.166	-0.503	0.131	5.907	265.393	1
3442_3442	3442	3442	30.081	0.904	-1.091	0.014	10.421	84.483	1
3442_3443	3442	3443	-23.792	11.548	-0.485	0.004	0.446	139.156	1
3443_3443	3443	3443	35.423	1.584	0.083	0.089	-1.163	75.926	1
3443_3444	3443	3444	-23.621	8.668	-0.009	0.061	0.457	76.665	1
3444_3444	3444	3444	38.088	2.25	0.093	0.092	-0.578	65.132	1
3444_3445	3444	3445	-24.281	8.097	-0.012	0.037	0.364	18.163	1
3445_3445	3445	3445	43.935	2.946	-0.082	0.095	0.431	50.909	1
3445_3446	3445	3446	-32.078	-3.242	-0.014	0.074	0.316	15.227	1
3446_3446	3446	3446	21.372	-4.404	0.102	0.066	-0.194	81.214	1
3446_3447	3446	3447	-37.348	-4.758	-0.07	0.112	-0.318	56.17	1
3447_3447	3447	3447	20.702	-4.454	0.08	-0.083	0.352	122.955	1
3447_3448	3447	3448	-40.135	-5.694	-0.067	0.063	-0.372	87.506	1
3448_3448	3448	3448	19.439	-8.839	-0.065	0.109	0.792	148.195	1
3448_3449	3448	3449	-36.267	2.146	-1.128	-0.749	-4.064	80.401	1
3449_3449	3449	3449	19.465	8.865	0.016	-0.113	0.621	174.964	1
3449_3450	3449	3450	-38.861	-2.051	-1.995	0.776	-9.744	86.11	1
3450_3450	3450	3450	20.738	4.553	-0.061	0.034	0.657	148.287	1
3450_3451	3450	3451	-34.587	5.797	0.701	0.046	-5.147	53.371	1
3451_3451	3451	3451	20.715	4.877	-0.08	-0.016	0.515	122.99	1
3451_3452	3451	3452	-29.226	4.081	-0.141	-0.088	0.011	14.391	1
3452_3452	3452	3452	20.987	5.274	0.025	-0.005	-0.445	81.351	1
3452_3453	3452	3453	12.141	-1.878	0.072	-0.046	0.192	19.766	1
3453_3453	3453	3453	45.389	-1.647	-0.088	-0.106	0.09	53.458	1
3453_3454	3453	3454	-23.24	-8.113	0.011	-0.051	0.436	77.18	1
3454_3454	3454	3454	40.37	-1.428	-0.1	-0.083	-0.58	68.737	1
3454_3455	3454	3455	-23.045	-8.65	0.015	-0.045	0.536	139.546	1
3455_3455	3455	3455	36.446	-0.649	1.261	-0.032	-1.719	80.237	1
3455_3456	3455	3456	-23.713	-11.543	0.481	-0.061	5.702	265.435	1
3456_3456	3456	3456	32.497	-0.125	1.152	-0.221	11.221	89.143	1
3456_3457	3456	3457	-23.426	-12.114	0.501	0.055	7.378	307.706	1
3457_3457	3457	3457	30.96	-0.172	0.944	0.051	15.407	89.754	1
3457_3110	3457	3110	-25.37	-14.966	-2.81	0.033	-2.695	368.374	1
3460_3132	3460	3132	17.655	0.463	-0.525	-0.019	10.959	79.004	1
3460_3461	3460	3461	-24.347	16.081	2.777	-0.022	6.607	312.211	1
3461_3461	3461	3461	18.889	1.193	-0.67	0.205	8.471	77.055	1
3461_3462	3461	3462	-25.11	12.405	-0.312	0.304	4.917	268.942	1
3462_3462	3462	3462	54.252	-0.413	1.025	-0.016	-10.821	77.247	1
3462_3463	3462	3463	-24.707	11.747	-0.32	-0.06	1.219	140.361	1
3463_3463	3463	3463	56.25	0.829	-0.038	-0.067	-0.03	82.708	1
3463_3464	3463	3464	-25.268	9.082	-0.014	0.044	0.476	74.924	1
3464_3464	3464	3464	61.597	1.96	-0.026	-0.07	-0.355	77.777	1
3464_3465	3464	3465	18.615	1.166	-0.041	-0.027	-0.227	23.975	1
3465_3465	3465	3465	63.979	3.299	0.008	-0.07	-0.603	64.638	1
3465_3466	3465	3466	-17.054	-3.36	0.025	-0.049	0.23	32.284	1
3466_3466	3466	3466	19.786	-5.497	-0.026	-0.018	-0.118	83.772	1
3466_3467	3466	3467	-23.319	-4.458	0.028	-0.058	0.326	70.444	1
3467_3467	3467	3467	20.561	-5.134	-0.018	0.005	-0.25	132.85	1
3467_3468	3467	3468	-24.964	-5.056	0.047	-0.057	0.711	98.337	1
3468_3468	3468	3468	19.453	-9.521	-0.026	-0.068	-0.452	161.386	1
3468_3469	3468	3469	-24.699	0.194	0.159	-0.214	0.931	97.296	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3469_3469	3469	3469	21.101	10.056	-0.119	0.082	0.214	193.482	1
3469_3470	3469	3470	-35.196	-0.954	-0.459	0.431	-0.277	115.79	1
3470_3470	3470	3470	21.926	5.326	-0.007	0.025	-0.005	163.151	1
3470_3471	3470	3471	-32.575	6.364	0.036	0.075	-0.018	80.148	1
3471_3471	3471	3471	21.812	5.776	-0.004	0.005	-0.032	133.547	1
3471_3472	3471	3472	-27.463	5.312	0.077	0.06	0.306	30.815	1
3472_3472	3472	3472	19.537	6.582	-0.014	0.017	-0.065	82.789	1
3472_3473	3472	3473	17.296	-1.145	0.008	0.01	-0.095	22.673	1
3473_3473	3473	3473	61.473	-1.016	0.096	0.054	-0.51	57.457	1
3473_3474	3473	3474	-24.529	-9.013	0.023	-0.041	0.547	84.636	1
3474_3474	3474	3474	57.357	0.102	0.092	0.054	0.205	65.359	1
3474_3475	3474	3475	-24.313	-9.58	0.026	-0.044	0.728	153.69	1
3475_3475	3475	3475	32.54	-1.716	0.87	0.052	-1.11	80.321	1
3475_3476	3475	3476	-24.463	-12.543	0.359	0.167	4.634	290.578	1
3476_3476	3476	3476	29.955	-1.157	0.896	-0.384	7.957	100.229	1
3476_3477	3476	3477	-26.604	-13.298	0.339	-0.666	6.383	336.724	1
3477_3477	3477	3477	28.918	-1.183	0.196	0.036	11.178	104.5	1
3477_3148	3477	3148	-27.416	-16.178	-3.017	0.025	-5.468	402.724	1
3480_3168	3480	3168	24.682	0.88	-0.212	-0.035	10.171	86.998	1
3480_3481	3480	3481	-25.884	16.147	2.753	-0.039	5.473	346.118	1
3481_3481	3481	3481	24.699	0.901	-0.72	0.239	8.99	83.397	1
3481_3482	3481	3482	-25.935	13.517	-0.298	0.399	4.232	298.962	1
3482_3482	3482	3482	26.579	1.422	-0.718	-0.024	6.764	80.514	1
3482_3483	3482	3483	-25.564	12.843	-0.318	-0.1	0.551	158.356	1
3483_3483	3483	3483	57.795	0.162	-0.095	-0.041	0.835	72.078	1
3483_3484	3483	3484	-26.088	9.925	-0.01	0.045	0.456	86.833	1
3484_3484	3484	3484	62.24	1.37	-0.085	-0.057	0.122	71.534	1
3484_3485	3484	3485	19.721	0.803	-0.044	-0.017	-0.164	26.481	1
3485_3485	3485	3485	64.302	2.563	0.015	-0.056	-0.54	62.348	1
3485_3486	3485	3486	-25.036	-3.733	0.044	-0.053	0.439	27.4	1
3486_3486	3486	3486	21.213	-5.915	-0.025	-0.018	-0.153	87.567	1
3486_3487	3486	3487	-31.412	-5.08	-0.062	-0.065	-0.281	71.259	1
3487_3487	3487	3487	22.715	-5.595	-0.012	0.004	-0.233	140.818	1
3487_3488	3487	3488	-32.549	-5.804	-0.045	-0.051	-0.436	103.371	1
3488_3488	3488	3488	21.689	-10.473	0.132	-0.097	-0.402	171.921	1
3488_3489	3488	3489	-32.911	1.153	0.346	-0.406	0.334	99.568	1
3489_3489	3489	3489	23.261	10.785	-0.153	0.073	0.445	205.538	1
3489_3490	3489	3490	-30.388	-0.716	-0.554	0.248	0.479	107.488	1
3490_3490	3490	3490	23.452	5.582	0.011	0.021	-0.182	173.127	1
3490_3491	3490	3491	-25.708	5.419	0.005	0.06	0.158	76.623	1
3491_3491	3491	3491	23.22	6.059	0.015	0.002	-0.121	142.103	1
3491_3492	3491	3492	-20.185	4.468	0.047	0.041	0.222	34.491	1
3492_3492	3492	3492	20.952	6.96	-0.021	0.012	0.009	88.65	1
3492_3493	3492	3493	17.365	-1.328	0.016	0.015	-0.14	20.02	1
3493_3493	3493	3493	70.075	-0.92	0.098	0.05	-0.493	63.233	1
3493_3494	3493	3494	-27.467	-9.422	0.029	-0.033	0.622	86.59	1
3494_3494	3494	3494	64.787	0.148	0.101	0.049	0.273	71.393	1
3494_3495	3494	3495	-27.245	-10.046	0.031	-0.039	0.841	158.907	1
3495_3495	3495	3495	63.813	1.279	-0.903	-0.025	1.088	71.301	1
3495_3496	3495	3496	-27.481	-13.049	0.315	-0.1	4.312	301.212	1
3496_3496	3496	3496	23.12	-1.231	0.573	-0.061	5.755	81.929	1
3496_3497	3496	3497	-29.931	-13.885	0.386	0.189	5.91	349.101	1
3497_3497	3497	3497	21.255	-1.332	0.363	0.025	7.482	86.265	1
3497_3184	3497	3184	-30.887	-16.713	-2.62	0.032	-4.178	417.128	1
3500_3204	3500	3204	30.071	-0.082	-1.003	-0.068	18.591	76.427	1
3500_3501	3500	3501	-26.145	16.382	2.103	-0.053	6.382	366.471	1
3501_3501	3501	3501	30.701	-0.116	-1.024	0.172	14.243	76.915	1
3501_3502	3501	3502	-26.205	13.869	-0.358	-0.264	4.555	318.103	1
3502_3502	3502	3502	54.315	0.327	1.193	0.023	-12.191	79.787	1
3502_3503	3502	3503	-25.891	13.214	-0.308	0.11	1.161	173.724	1
3503_3503	3503	3503	54.661	1.407	-0.053	-0.126	0.643	78.001	1
3503_3504	3503	3504	-25.471	10.382	-0.045	-0.008	0.823	98.892	1
3504_3504	3504	3504	59.242	2.52	-0.123	-0.048	0.242	69.086	1
3504_3505	3504	3505	-26.257	9.759	-0.016	0.1	0.756	28.438	1
3505_3505	3505	3505	50.811	2.509	-0.067	0.089	0.147	53.874	1
3505_3506	3505	3506	-35.12	-3.445	-0.019	0.069	0.241	14.496	1
3506_3506	3506	3506	22.294	-5.788	0.023	0.002	-0.309	100.291	1
3506_3507	3506	3507	-43.28	-5.397	0.015	0.087	0.385	60.139	1
3507_3507	3507	3507	21.409	-5.933	-0.048	0.021	-0.628	154.199	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3507_3508	3507	3508	-47.162	-6.559	0.081	0.087	1.307	96.148	1
3508_3508	3508	3508	19.713	-10.413	0.02	-0.185	-1.339	187.619	1
3508_3509	3508	3509	-43.249	2.771	-1.729	-0.64	-3.969	87.559	1
3509_3509	3509	3509	19.732	10.495	-0.055	0.175	-1.277	219.103	1
3509_3510	3509	3510	-44.792	-2.671	-1.891	0.636	-9.49	95.208	1
3510_3510	3510	3510	21.497	6.099	0.072	0.004	-1.075	187.45	1
3510_3511	3510	3511	-38.668	6.317	0.672	0.023	-5.299	59.107	1
3511_3511	3511	3511	21.318	6.497	0.066	-0.008	-0.596	153.751	1
3511_3512	3511	3512	-28.717	4.643	0.675	0.109	0.595	12.101	1
3512_3512	3512	3512	21.639	6.643	-0.009	-0.011	-0.145	99.485	1
3512_3513	3512	3513	-28.214	-7.501	0.066	-0.046	0.811	29.314	1
3513_3513	3513	3513	49.22	-1.596	-0.047	-0.092	0.211	56.449	1
3513_3514	3513	3514	-25.856	-9.96	0.049	-0.041	1.094	100.98	1
3514_3514	3514	3514	44.888	-1.385	-0.052	-0.083	-0.141	72.078	1
3514_3515	3514	3515	-25.618	-10.558	0.051	-0.055	1.457	177.08	1
3515_3515	3515	3515	38.371	-0.672	1.097	-0.023	-0.784	83.733	1
3515_3516	3515	3516	-26.708	-13.412	0.3	-0.051	4.739	323.493	1
3516_3516	3516	3516	34.663	-0.065	1.018	-0.238	10.482	92.211	1
3516_3517	3516	3517	-26.378	-14.049	0.31	-0.03	5.781	372.504	1
3517_3517	3517	3517	33.442	-0.122	1.024	0.046	13.861	92.589	1
3517_3220	3517	3220	-28.697	-16.637	-2.085	0.081	-2.112	439.755	1
3520_3241	3520	3241	34.59	0.173	-0.13	-0.423	14.743	91.813	1
3520_3521	3520	3521	-35.836	17.279	0.514	0.113	9.623	402.424	1
3521_3521	3521	3521	36.756	0.061	-1.025	0.082	14.459	91.339	1
3521_3522	3521	3522	-35.416	15.237	-0.902	-0.631	6.347	348.999	1
3522_3522	3522	3522	38.35	0.854	-1.138	0.052	11.166	91.217	1
3522_3523	3522	3523	-35.769	14.393	-0.823	0.093	-2.404	191.812	1
3523_3523	3523	3523	57.828	1.473	0.122	-0.232	-1.178	85.054	1
3523_3524	3523	3524	-35.836	11.512	0.076	-0.199	-1.582	108.626	1
3524_3524	3524	3524	62.8	2.606	-0.08	0.02	-0.176	75.307	1
3524_3525	3524	3525	-38.928	10.452	0.183	0.202	-0.178	32.013	1
3525_3525	3525	3525	57.808	2.763	0.088	0.08	-0.947	59.875	1
3525_3526	3525	3526	-37.299	-3.675	-0.056	0.074	-0.148	14.276	1
3526_3526	3526	3526	31.68	-5.626	0.394	-0.174	-2.275	109.949	1
3526_3527	3526	3527	-48.483	-6.035	0.563	0.052	5.186	64.423	1
3527_3527	3527	3527	30.049	-5.989	0.051	0.217	-1.083	165.582	1
3527_3528	3527	3528	-50.535	-7.205	0.746	0.095	9.901	104.054	1
3528_3528	3528	3528	27.878	-12.265	0.421	-0.181	-1.833	199.481	1
3528_3529	3528	3529	-46.042	2.887	-1.211	0.514	5.72	94.552	1
3529_3529	3529	3529	27.889	12.238	0.378	-0.015	-0.514	236.687	1
3529_3530	3529	3530	-47.984	-2.798	-0.68	-0.567	4.31	102.9	1
3530_3530	3530	3530	29.771	6.002	0.249	-0.31	-0.223	200.161	1
3530_3531	3530	3531	-43.041	6.92	-0.307	0.009	2.128	63.98	1
3531_3531	3531	3531	29.573	6.499	0.223	0.077	0.642	166.944	1
3531_3532	3531	3532	-34.723	5.339	-0.028	0.122	0.31	12.892	1
3532_3532	3532	3532	30.29	6.548	-0.129	-0.056	2.485	111.878	1
3532_3533	3532	3533	14.886	-2.067	0.056	-0.056	0.742	24.226	1
3533_3533	3533	3533	73.403	-1.702	0.037	0.064	0.93	64.349	1
3533_3534	3533	3534	-37.082	-10.055	0.196	-0.067	1.812	95.42	1
3534_3534	3534	3534	68.549	-0.586	0.001	0.086	1.185	78.942	1
3534_3535	3534	3535	-35.982	-10.942	0.218	-0.044	3.348	174.307	1
3535_3535	3535	3535	42.554	-0.48	1.065	-0.113	1.685	89.638	1
3535_3536	3535	3536	-37.023	-13.406	0.417	-0.359	7.784	320.434	1
3536_3536	3536	3536	38.464	0.191	0.843	-0.041	12.395	96.502	1
3536_3537	3536	3537	-39.074	-14.44	0.616	0.708	10.251	370.682	1
3537_3537	3537	3537	36.146	2.477	0.838	0.311	15.047	96.232	1
3537_3255	3537	3255	-37.645	-18.943	-0.286	-0.227	8.82	474.534	1
3540_3279	3540	3279	33.151	-1.288	-1.552	-0.889	7.811	76.799	1
3540_3541	3540	3541	-39.609	18.456	-1.514	-1.1	-7.587	397.066	1
3541_3541	3541	3541	57.825	-1.068	0.743	-0.38	-10.33	87.844	1
3541_3542	3541	3542	-41.184	14.818	-0.009	-0.718	-7.386	345.306	1
3542_3542	3542	3542	60.186	0.186	0.642	-0.059	-7.571	91.977	1
3542_3543	3542	3543	-41.522	13.844	0.049	-0.012	-6.714	194.078	1
3543_3543	3543	3543	61.786	1.644	0.06	-0.164	-0.864	91.375	1
3543_3544	3543	3544	-41.392	11.379	0.308	-0.139	-4.044	111.776	1
3544_3544	3544	3544	64.414	2.98	-0.017	-0.062	-0.367	80.262	1
3544_3545	3544	3545	-43.013	10.339	0.351	0.087	-1.515	36.964	1
3545_3545	3545	3545	55.014	1.388	0.141	0.027	-2.041	63.022	1
3545_3546	3545	3546	-43.613	-4.255	-0.018	0.065	0.352	16.227	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3546_3546	3546	3546	34.467	-5.316	0.953	-0.216	-3.907	112.766	1
3546_3547	3546	3547	-52.896	-6.815	1.526	0.068	14.407	74.087	1
3547_3547	3547	3547	32.65	-5.764	0.386	0.12	0.183	165.22	1
3547_3548	3547	3548	-56.505	-8.2	1.756	-0.079	25.112	118.953	1
3548_3548	3548	3548	30.643	-12.789	0.471	-0.086	-0.487	198.015	1
3548_3549	3548	3549	-49.524	3.152	-1.571	2.401	19.591	107.683	1
3549_3549	3549	3549	30.84	12.768	0.55	-0.338	0.591	236.922	1
3549_3550	3549	3550	-51.107	-2.311	-0.197	-2.696	19.74	116.311	1
3550_3550	3550	3550	32.972	5.684	0.359	-0.431	0.634	199.149	1
3550_3551	3550	3551	-45.079	8.074	-1.318	0.09	11.566	69.441	1
3551_3551	3551	3551	32.724	6.115	0.432	0.059	1.04	167.531	1
3551_3552	3551	3552	-32.379	5.748	-0.864	0.058	1.486	13.496	1
3552_3552	3552	3552	34.518	5.914	-0.186	-0.126	4.51	120.229	1
3552_3553	3552	3553	15.526	-2.445	0.139	-0.071	1.514	28.581	1
3553_3553	3553	3553	56.774	-0.815	0.143	-0.228	3.832	80.782	1
3553_3554	3553	3554	-42.763	-10.399	0.333	-0.168	4.004	97.147	1
3554_3554	3554	3554	53.212	-1.669	0.085	-0.131	5.103	97.517	1
3554_3555	3554	3555	-42.479	-11.5	0.433	-0.021	6.963	178.144	1
3555_3555	3555	3555	47.521	-0.378	0.652	-0.074	5.715	111.216	1
3555_3556	3555	3556	-43.058	-14.104	0.337	-0.113	10.604	328.239	1
3556_3556	3556	3556	41.673	0.263	0.617	-0.46	11.89	118.547	1
3556_3557	3556	3557	-42.652	-15.29	0.319	-0.555	11.728	380.603	1
3557_3557	3557	3557	40.093	1.593	-0.41	-0.267	13.784	117.934	1
3557_3293	3557	3293	-42.081	-18.616	-0.962	-0.575	5.305	500.119	1
43000_3000	43000	3000	1.298	21.323	-0.721	1.013	0	9.785	1
43000_3001	43000	3001	-0.982	-49.93	0.424	-0.79	6.318	737.511	1
43001_3001	43001	3001	-0.294	-3.638	0.645	-0.937	9.615	51.702	1
43001_3002	43001	3002	-1.131	-41.587	0.526	-0.118	13.305	1044.278	1
43002_3002	43002	3002	-0.306	-3.61	-0.904	-1.012	16.32	89.522	1
43002_3003	43002	3003	-1.198	-34.657	-0.603	-1.563	7.166	1344.927	1
43003_3003	43003	3003	-0.32	-3.612	-0.896	-0.781	5.268	133.428	1
43003_3004	43003	3004	-1.276	-26.562	-0.689	0.496	-0.303	1491.775	1
43004_3004	43004	3004	-0.316	-3.636	-0.397	-0.928	-5.633	177.38	1
43004_3005	43004	3005	-1.303	-29.474	-0.221	-1.237	-3.261	1642.907	1
43005_3005	43005	3005	-0.316	-3.636	-0.397	-0.725	-10.467	221.61	1
43005_3006	43005	3006	-1.306	-22.439	-0.249	0.064	-6.967	1685.439	1
43006_3006	43006	3006	-0.315	-3.601	-0.263	-0.966	-15.3	265.875	1
43006_3007	43006	3007	-1.291	-26.971	-0.189	-2.064	-10.277	1774.215	1
43007_3007	43007	3007	-0.316	-3.601	-0.263	-0.429	-18.499	309.678	1
43007_3008	43007	3008	-1.27	-20.173	-0.202	0.738	-13.911	1766.894	1
43008_3008	43008	3008	-0.316	-3.562	-0.221	-0.68	-21.694	353.515	1
43008_3009	43008	3009	-1.247	-24.771	-0.185	-1.1	-17.42	1812.345	1
43009_3009	43009	3009	-0.339	-3.566	-0.219	-0.354	-24.243	396.897	1
43009_3010	43009	3010	-1.225	-17.991	-0.19	0.243	-20.907	1763.976	1
43010_3010	43010	3010	-0.361	-3.539	-0.23	-0.696	-26.777	440.322	1
43010_3011	43010	3011	-1.245	-8.386	-0.22	-1.59	-22.42	1768.352	1
43011_3011	43011	3011	-0.361	-3.539	-0.229	0.093	-29.575	483.372	1
43011_3012	43011	3012	-1.225	-1.177	-0.222	1.196	-26.411	1688.494	1
43012_3012	43012	3012	-0.362	-3.615	-0.294	-0.246	-32.365	526.423	1
43012_3013	43012	3013	-1.208	-5.392	-0.285	-0.533	-30.932	1654.657	1
43013_3013	43013	3013	-0.362	-3.615	-0.294	0.22	-35.945	570.424	1
43013_3014	43013	3014	-1.191	1.889	-0.288	0.738	-35.205	1526.117	1
43014_3014	43014	3014	-0.361	-3.876	-0.156	-0.274	-39.521	614.431	1
43014_3015	43014	3015	-1.162	1.263	-0.304	-0.603	-40.497	1376.301	1
43015_3015	43015	3015	-0.338	-3.899	-0.157	1.14	-41.931	678.152	1
43015_3016	43015	3016	-1.194	6.279	-0.313	1.755	-42.698	1242.527	1
43016_3016	43016	3016	-0.252	-4.716	-0.127	-0.531	-43.258	710.274	1
43016_3017	43016	3017	-1.195	4.327	0.068	-0.659	-40.773	1097.898	1
43017_3017	43017	3017	-0.156	-4.796	-0.121	1.455	-44.251	765.975	1
43017_3018	43017	3018	-0.615	-2.535	0.118	1.205	-31.15	844.077	1
43018_3018	43018	3018	-0.001	-5.375	-0.132	-0.404	-45.755	829.646	1
43018_3019	43018	3019	-0.608	0.295	0.018	-0.26	-28.015	580.451	1
43019_3019	43019	3019	0.139	-5.373	-0.132	2.258	-47.266	897.044	1
43019_3020	43019	3020	0.166	-1.394	-0.142	0.917	-21.195	359.785	1
43020_3020	43020	3020	-12.95	23.689	0.631	-0.247	-19.007	627.77	1
43020_3021	43020	3021	40.224	-31.74	0.472	-0.133	-38.553	560.536	1
43021_3021	43021	3021	-17.089	16.098	0.775	0.526	-24.97	428.155	1
43021_3022	43021	3022	35.15	-27.77	0.249	0.686	-31.803	651.388	1
43022_3022	43022	3022	-24.803	11.157	0.863	0.652	-28.653	318.16	1

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43022_3023	43022	3023	29.864	-23.341	0.109	0.56	-26.984	712.523	1
43023_3023	43023	3023	-42.273	2.146	1.175	1.031	-52.175	258.596	1
43023_3024	43023	3024	24.898	-23.329	0.491	0.241	-19.68	782.825	1
43024_3024	43024	3024	-41.04	2.086	1.168	1.023	-42.799	241.53	1
43024_3025	43024	3025	20.482	-18.38	0.39	0.068	-13.758	822.697	1
43025_3025	43025	3025	-40.565	2.063	1.21	1.271	-33.479	225	1
43025_3026	43025	3026	17.133	-13.016	0.277	0.795	-9.349	832.02	1
43026_3026	43026	3026	-38.626	1.55	1.141	0.82	-23.926	208.716	1
43026_3027	43026	3027	15.204	-16.877	0.331	-1.017	-6.129	860.453	1
43027_3027	43027	3027	-38.624	1.55	1.205	1.151	-17.078	199.414	1
43027_3028	43027	3028	13.865	-12.823	0.208	0.232	-4.168	871.261	1
43028_3028	43028	3028	-38.624	1.55	1.205	1.151	-9.847	190.115	1
43028_3029	43028	3029	12.967	-8.643	0.109	0.053	-3.341	856.485	1
43029_3029	43029	3029	-38.622	1.55	1.269	1.451	-2.616	180.815	1
43029_3030	43029	3030	15.142	-16.324	-0.394	0.71	-6.856	826.044	1
43030_3030	43030	3030	-38.624	0.844	1.139	0.942	4.998	171.517	1
43030_3031	43030	3031	17.629	-18.524	-0.355	-1.215	-10.484	814.61	1
43031_3031	43031	3031	-52.344	-2.302	-1.183	-1.122	-21.469	174.869	1
43031_3032	43031	3032	20.988	-13.565	-0.474	-0.519	-15.61	772.399	1
43032_3032	43032	3032	-54.083	-2.402	-1.121	-0.89	-31.004	193.476	1
43032_3033	43032	3033	24.8	-9.104	-0.599	0.164	-22.302	699.371	1
43033_3033	43033	3033	-40.235	-8.167	-0.991	-0.997	-24.245	220.019	1
43033_3034	43033	3034	28.885	-9.169	-0.213	-1.468	-26.321	635.751	1
43034_3034	43034	3034	-24.908	-13.12	-0.813	-0.025	-21.899	299.101	1
43034_3035	43034	3035	32.812	-5.181	-0.438	0.087	-32.947	551.463	1
43035_3035	43035	3035	-17.263	-18.198	-0.753	-0.349	-20.21	418.377	1
43035_3036	43035	3036	37.805	-1.203	-0.597	-0.529	-43.634	427.39	1
43036_3036	43036	3036	-11.838	7.494	-0.032	-1.699	-33.178	915.676	1
43036_3037	43036	3037	-13.925	-35.715	-0.071	-1.065	-21.997	532.159	1
43037_3037	43037	3037	-12.031	7.18	-0.021	-0.103	-33.668	821.561	1
43037_3038	43037	3038	-15.66	-29.38	0.051	-0.192	-24.686	762.13	1
43038_3038	43038	3038	-12.241	6.201	0.011	-1.354	-33.82	731.583	1
43038_3039	43038	3039	-17.779	-26.157	-0.254	-1.494	-30.02	971.2	1
43039_3039	43039	3039	-11.99	5.822	0.035	0.32	-34.219	648.385	1
43039_3040	43039	3040	-18.845	-19.531	-0.24	0.362	-35.174	1070.605	1
43040_3040	43040	3040	-12.089	4.869	0.234	-0.798	-33.777	579.959	1
43040_3041	43040	3041	-19.375	-23.061	0.304	-1.217	-33.808	1157.95	1
43041_3041	43041	3041	-12.131	4.763	0.246	-0.034	-31.854	536.313	1
43041_3042	43041	3042	-19.583	-13.414	0.27	-0.013	-31.171	1217.98	1
43042_3042	43042	3042	-12.045	4.258	0.084	-0.152	-27.963	460.125	1
43042_3043	43042	3043	-19.122	-17.121	0.105	-0.674	-30.846	1301.675	1
43043_3043	43043	3043	-12.045	4.258	0.094	0.189	-26.96	409.227	1
43043_3044	43043	3044	-18.146	-9.397	0.098	0.249	-30.411	1309.794	1
43044_3044	43044	3044	-12.045	4.086	0.101	-0.01	-25.837	358.338	1
43044_3045	43044	3045	-17.109	-13.813	0.017	-1.199	-30.652	1367.919	1
43045_3045	43045	3045	-12.045	4.086	0.122	0.527	-24.625	309.503	1
43045_3046	43045	3046	-15.02	-18.984	-0.024	0.648	-30.818	1340.125	1
43046_3046	43046	3046	-4.509	-4.306	-0.165	-0.34	-23.925	273.31	1
43046_3047	43046	3047	-14.929	-23.206	-0.039	-0.105	-30.657	1371.679	1
43047_3047	43047	3047	-4.509	-4.306	-0.165	-0.318	-25.899	324.766	1
43047_3048	43047	3048	-15.019	-15.946	-0.071	-0.13	-30.852	1315.405	1
43048_3048	43048	3048	-4.509	-4.377	-0.173	-0.038	-27.871	376.27	1
43048_3049	43048	3049	-15.186	-19.757	-0.098	0.167	-31.08	1307.108	1
43049_3049	43049	3049	-4.509	-4.377	-0.173	-0.066	-29.934	428.606	1
43049_3050	43049	3050	-15.039	-12.712	-0.126	-0.018	-31.467	1222.467	1
43050_3050	43050	3050	-4.51	-4.648	-0.18	0.075	-31.999	480.903	1
43050_3051	43050	3051	-14.159	-14.668	-0.273	-0.013	-33.51	1155.039	1
43051_3051	43051	3051	-4.471	-4.686	-0.178	0.641	-34.875	555.694	1
43051_3052	43051	3052	-13.205	-9.006	-0.288	0.714	-34.664	1067.181	1
43052_3052	43052	3052	-4.645	-5.42	-0.063	-0.101	-36.144	594.49	1
43052_3053	43052	3053	-11.265	-10.302	0.242	-0.209	-29.61	970.052	1
43053_3053	43053	3053	-4.506	-5.536	-0.059	1.28	-36.85	659.75	1
43053_3054	43053	3054	-8.744	-3.317	0.199	1.045	-24.316	768.838	1
43054_3054	43054	3054	-4.587	-6.055	-0.166	-0.152	-37.342	733.457	1
43054_3055	43054	3055	-6.313	-0.443	-0.01	-0.145	-22.643	540.82	1
43055_3055	43055	3055	-4.558	-6.215	-0.158	2.153	-39.009	809.529	1
43055_3056	43055	3056	0.218	-1.679	-0.092	0.728	-12.554	309.358	1
43056_3056	43056	3056	-15.101	23.324	0.664	-0.027	-18.475	566.802	1
43056_3057	43056	3057	36.579	-31.451	0.337	0.118	-30.027	578.393	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43057_3057	43057	3057	-19.85	15.38	0.777	0.577	-22.557	384.668	1
43057_3058	43057	3058	32.518	-27.364	0.156	0.693	-24.795	671.926	1
43058_3058	43058	3058	-30.405	9.753	0.843	0.769	-26.482	286.844	1
43058_3059	43058	3059	28.216	-22.856	0.025	0.558	-21.397	739.946	1
43059_3059	43059	3059	-42.101	2.233	0.953	1.063	-42.945	259.268	1
43059_3060	43059	3060	24.173	-22.895	0.44	-0.116	-15.394	815.612	1
43060_3060	43060	3060	-40.718	2.171	0.993	1.333	-35.364	241.678	1
43060_3061	43060	3061	20.596	-17.932	0.339	0.661	-10.625	859.342	1
43061_3061	43061	3061	-39.921	2.137	0.987	1.326	-27.463	224.513	1
43061_3062	43061	3062	17.921	-12.573	0.264	0.501	-6.861	871.102	1
43062_3062	43062	3062	-38.477	1.701	1.02	1.224	-19.701	207.712	1
43062_3063	43062	3063	16.398	-16.519	0.229	0.101	-4.584	900.789	1
43063_3063	43063	3063	-38.477	1.701	1.02	1.224	-13.579	197.505	1
43063_3064	43063	3064	15.101	-24.058	-0.176	-0.545	-2.96	912.624	1
43064_3064	43064	3064	-37.885	-1.382	-1.034	-1.365	-5.325	197.698	1
43064_3065	43064	3065	15.993	-20.054	-0.257	-0.687	-4.338	899.978	1
43065_3065	43065	3065	-37.886	-1.382	-0.975	-1.044	-11.53	205.994	1
43065_3066	43065	3066	17.369	-16.338	-0.362	0.459	-6.761	869.376	1
43066_3066	43066	3066	-37.887	-1.842	-0.978	-1.42	-17.369	214.273	1
43066_3067	43066	3067	19.849	-18.67	-0.344	-0.944	-10.368	856.649	1
43067_3067	43067	3067	-40.405	-1.909	-0.995	-1.442	-25.109	229.397	1
43067_3068	43067	3068	23.222	-13.714	-0.416	-1.16	-14.981	812.312	1
43068_3068	43068	3068	-40.408	-1.909	-0.897	-0.85	-33.076	244.682	1
43068_3069	43068	3069	27.043	-9.255	-0.55	0.442	-21.049	736.817	1
43069_3069	43069	3069	-42.651	-2.275	-1.002	-1.371	-40.202	260.442	1
43069_3070	43069	3070	31.142	-9.333	-0.186	-1.248	-24.528	669.795	1
43070_3070	43070	3070	-31.765	-9.778	-0.821	-0.657	-24.566	292.45	1
43070_3071	43070	3071	34.995	-5.274	-0.359	-0.644	-30.128	580.13	1
43071_3071	43071	3071	-20.606	-15.452	-0.723	-0.011	-20.757	393.518	1
43071_3072	43071	3072	39.936	-1.194	-0.562	-0.201	-39.818	454.168	1
43072_3072	43072	3072	-5.99	6.259	0.13	-1.79	-37.262	902.541	1
43072_3073	43072	3073	-11.414	-35.865	0.001	-1.099	-22.404	544.768	1
43073_3073	43073	3073	-5.959	6.056	0.135	-0.205	-6.018	824.06	1
43073_3074	43073	3074	-12.603	-29.303	0.122	-0.256	-23.991	778.655	1
43074_3074	43074	3074	-5.765	5.433	0.077	-1.563	-34.735	748.982	1
43074_3075	43074	3075	-14.192	-25.911	-0.146	-1.721	-27.599	991.624	1
43075_3075	43075	3075	-5.704	5.258	0.089	0.423	-33.963	675.118	1
43075_3076	43075	3076	-14.766	-19.031	-0.131	0.522	-30.987	1093.031	1
43076_3076	43076	3076	-5.332	4.353	0.09	-1.23	-33.179	613.599	1
43076_3077	43076	3077	-14.948	-22.974	0.106	-2.023	-30.872	1191.542	1
43077_3077	43077	3077	-5.369	4.307	0.101	0.237	-32.447	579.649	1
43077_3078	43077	3078	-14.701	-14.103	0.123	0.452	-30.421	1280.614	1
43078_3078	43078	3078	-5.368	4.148	0.18	-0.011	-30.982	516.996	1
43078_3079	43078	3079	-11.865	-30.127	0.117	-0.386	-29.822	1378.049	1
43079_3079	43079	3079	-5.368	4.148	0.18	-0.011	-28.964	470.403	1
43079_3080	43079	3080	-10.946	-23.214	0.094	-0.489	-28.477	1400.074	1
43080_3080	43080	3080	-5.148	3.995	0.141	0.061	-27.015	423.859	1
43080_3081	43080	3081	-10.276	-27.4	0.023	-0.869	-27.939	1471.712	1
43081_3081	43081	3081	-5.148	3.995	0.145	0.382	-25.429	378.95	1
43081_3082	43081	3082	-9.907	-20.55	0.016	0.186	-27.431	1460.84	1
43082_3082	43082	3082	-5.148	3.943	0.158	0.293	-23.795	334.088	1
43082_3083	43082	3083	-9.877	-24.572	-0.038	-0.712	-27.517	1503.865	1
43083_3083	43083	3083	-5.148	3.943	0.162	0.541	-21.888	286.486	1
43083_3084	43083	3084	-9.898	-4.051	-0.015	0.628	-27.868	1454.769	1
43084_3084	43084	3084	-3.054	-3.765	-0.178	-0.362	-22.942	330.941	1
43084_3085	43084	3085	-9.882	-8.915	-0.001	-0.403	-27.884	1460.992	1
43085_3085	43085	3085	-3.054	-3.765	-0.175	-0.016	-24.937	373.219	1
43085_3086	43085	3086	-11.433	-15.082	-0.037	0.55	-27.556	1386.277	1
43086_3086	43086	3086	-3.055	-3.84	-0.176	-0.136	-26.902	415.542	1
43086_3087	43086	3087	-12.118	-18.955	-0.122	-0.321	-28.365	1360.157	1
43087_3087	43087	3087	-3.379	-3.852	-0.17	0.258	-28.701	458.717	1
43087_3088	43087	3088	-12.481	-12.385	-0.112	0.641	-28.746	1265.688	1
43088_3088	43088	3088	-3.38	-4.096	-0.219	0.013	-30.608	501.972	1
43088_3089	43088	3089	-12.339	-13.819	-0.289	-0.156	-31.195	1188.488	1
43089_3089	43089	3089	-3.345	-4.125	-0.216	0.809	-33.668	558.629	1
43089_3090	43089	3090	-11.757	-9.195	-0.288	0.988	-32.473	1090.855	1
43090_3090	43090	3090	-3.263	-4.766	-0.055	-0.213	-35.477	592.681	1
43090_3091	43090	3091	-10.254	-10.368	0.206	-0.335	-28.068	983.782	1
43091_3091	43091	3091	-3.351	-4.886	-0.047	1.288	-35.824	649.396	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43091_3092	43091	3092	-8.116	-3.183	0.173	1.046	-23.412	767.72	1
43092_3092	43092	3092	-3.455	-5.437	-0.206	0.129	-36.125	714.513	1
43092_3093	43092	3093	-5.915	-0.383	-0.051	0.037	-22.555	532.04	1
43093_3093	43093	3093	-3.433	-5.562	-0.202	1.738	-38.379	782.755	1
43093_3094	43093	3094	-4.255	5.006	0.07	0.74	-18.235	238.759	1
43094_3094	43094	3094	-14.848	22.771	0.687	-0.218	-17.734	556.206	1
43094_3095	43094	3095	36.397	-31.488	0.295	-0.19	-27.4	569.571	1
43095_3095	43095	3095	-19.049	14.993	0.8	0.678	-20.749	377.831	1
43095_3096	43095	3096	32.464	-27.333	0.091	0.806	-23.043	661.495	1
43096_3096	43096	3096	-28.899	9.569	0.862	0.871	-23.79	282.37	1
43096_3097	43096	3097	28.258	-22.732	-0.036	0.674	-20.45	728.072	1
43097_3097	43097	3097	-39.05	2.183	0.99	0.976	-38.421	254.267	1
43097_3098	43097	3098	24.293	-22.954	0.433	-0.141	-14.827	803.532	1
43098_3098	43098	3098	-37.592	2.104	1.032	1.251	-30.572	237.063	1
43098_3099	43098	3099	20.767	-17.916	0.337	0.678	-10.357	846.692	1
43099_3099	43099	3099	-36.443	2.047	1.026	1.247	-22.39	220.533	1
43099_3100	43099	3100	18.106	-12.462	0.267	0.564	-6.815	857.146	1
43100_3100	43100	3100	-35.022	1.579	1.16	1.881	-14.295	204.487	1
43100_3101	43100	3101	16.569	-16.755	0.17	3.262	-5.071	887.709	1
43101_3101	43101	3101	-34.402	1.569	1.152	1.875	-7.426	195.04	1
43101_3102	43101	3102	14.848	-24.07	-0.209	3.197	-4.523	900.901	1
43102_3102	43102	3102	-38.325	-1.675	-1.157	-2.161	-4.376	197.025	1
43102_3103	43102	3103	15.596	-20.024	-0.16	-3.941	-5.551	889.164	1
43103_3103	43103	3103	-38.327	-1.675	-1.091	-1.805	-11.312	207.065	1
43103_3104	43103	3104	16.81	-16.256	-0.259	-2.236	-7.591	858.946	1
43104_3104	43104	3104	-38.908	-2.055	-1	-1.375	-17.824	217.141	1
43104_3105	43104	3105	19.052	-18.85	-0.338	-1.077	-11.419	848.903	1
43105_3105	43105	3105	-40.133	-2.101	-0.962	-1.103	-25.82	233.784	1
43105_3106	43105	3106	22.174	-13.806	-0.431	-0.23	-16.367	806	1
43106_3106	43106	3106	-41.314	-2.146	-0.969	-1.104	-33.538	250.771	1
43106_3107	43106	3107	25.752	-9.26	-0.5	-0.369	-22.267	730.729	1
43107_3107	43107	3107	-42.442	-2.451	-0.935	-1.057	-41.32	268.209	1
43107_3108	43107	3108	29.591	-9.44	-0.102	-0.601	-25.231	664.458	1
43108_3108	43108	3108	-45.443	-2.637	-0.94	-1.084	-48.394	287.849	1
43108_3109	43108	3109	33.177	-5.271	-0.227	-0.763	-29.924	574.022	1
43109_3109	43109	3109	-20.768	-14.954	-0.751	-0.16	-21.281	381.176	1
43109_3110	43109	3110	37.804	-1.096	-0.409	-0.372	-38.226	447.397	1
43110_3110	43110	3110	-6.094	6.435	0.216	-2.121	-42.659	901.056	1
43110_3111	43110	3111	-11.458	-35.535	0.07	-1.286	-24.917	548.078	1
43111_3111	43111	3111	-6.056	6.223	0.227	0.252	-40.438	820.486	1
43111_3112	43111	3112	-12.65	-28.757	0.209	0.05	-26.11	776.66	1
43112_3112	43112	3112	-5.966	5.579	0.092	-1.382	-37.818	742.786	1
43112_3113	43112	3113	-14.301	-25.467	-0.136	-1.433	-30.051	983.89	1
43113_3113	43113	3113	-6.104	5.428	0.099	0.356	-36.645	667.703	1
43113_3114	43113	3114	-15.027	-18.377	-0.12	0.417	-33.774	1074.734	1
43114_3114	43114	3114	-5.813	4.73	0.28	-0.422	-35.732	604.476	1
43114_3115	43114	3115	-15.399	-22.227	0.38	-0.385	-31.777	1158.681	1
43115_3115	43115	3115	-5.853	4.68	0.28	-0.168	-33.42	565.695	1
43115_3116	43115	3116	-15.488	-13.107	0.368	-0.308	-27.818	1214.079	1
43116_3116	43116	3116	-5.853	4.399	0.186	-0.335	-29.359	497.825	1
43116_3117	43116	3117	-15.14	-17.052	0.158	-1.207	-26.691	1291.901	1
43117_3117	43117	3117	-5.853	4.399	0.196	0.455	-27.27	448.37	1
43117_3118	43117	3118	-14.407	-9.603	0.177	0.892	-24.991	1298.525	1
43118_3118	43118	3118	-5.193	4.317	0.205	-0.017	-25.282	399.053	1
43118_3119	43118	3119	-13.629	-14.312	0.153	-1.162	-23.356	1354.618	1
43119_3119	43119	3119	-5.193	4.317	0.215	0.607	-22.977	350.563	1
43119_3120	43119	3120	-12.917	-6.878	0.167	1.072	-21.383	1331.65	1
43120_3120	43120	3120	-5.193	4.28	0.218	0.385	-20.568	302.075	1
43120_3121	43120	3121	-12.401	-11.467	0.114	-0.34	-19.785	1367.429	1
43121_3121	43121	3121	-5.193	4.28	0.222	0.593	-17.942	250.403	1
43121_3122	43121	3122	-12.233	-3.424	0.108	0.655	-18.279	1305.259	1
43122_3122	43122	3122	-6.487	-2.654	-0.065	-0.223	-13.014	214.2	1
43122_3123	43122	3123	-12.427	-8.562	0.096	-0.22	-17.007	1302.19	1
43123_3123	43123	3123	-6.487	-2.654	-0.059	-0.004	-13.741	244.003	1
43123_3124	43123	3124	-12.94	-1.07	0.092	0.81	-15.863	1213.518	1
43124_3124	43124	3124	-6.488	-2.79	-0.076	-0.238	-14.403	273.831	1
43124_3125	43124	3125	-15.654	-17.966	-0.063	-0.817	-15.917	1179.612	1
43125_3125	43125	3125	-6.592	-2.794	-0.064	0.306	-15.196	305.205	1
43125_3126	43125	3126	-16.146	-11.18	-0.042	0.984	-15.928	1079.174	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43126_3126	43126	3126	-6.832	-3.065	-0.046	-0.034	-15.759	336.604	1
43126_3127	43126	3127	-16.022	-12.884	-0.07	-0.278	-16.05	1002.732	1
43127_3127	43127	3127	-6.865	-3.128	-0.038	0.562	-16.348	377.169	1
43127_3128	43127	3128	-15.378	-8.168	-0.08	0.871	-16.329	904.141	1
43128_3128	43128	3128	-6.795	-3.974	-0.161	-0.321	-16.676	402.962	1
43128_3129	43128	3129	-13.621	-9.821	-0.055	-0.703	-16.25	808.82	1
43129_3129	43129	3129	-6.851	-4.178	-0.142	1.042	-18.3	452.213	1
43129_3130	43129	3130	-11.024	-2.591	-0.067	1.028	-16.69	612.085	1
43130_3130	43130	3130	-6.945	-4.802	0.338	0.191	-19.757	508	1
43130_3131	43130	3131	-8.372	0.652	0.855	0.132	-6.373	386.132	1
43131_3131	43131	3131	15.407	-19.171	-0.466	-0.725	10.229	691.993	1
43131_3132	43131	3132	5.669	-4.115	-0.3	-0.251	-14.673	302.491	1
43132_3132	43132	3132	-13.162	-27.174	1.279	0.883	-21.321	577.756	1
43132_3133	43132	3133	39.423	-33.332	-1.144	2.216	-8.897	472.727	1
43133_3133	43133	3133	-14.561	16.394	1.011	0.83	-11.672	349.679	1
43133_3134	43133	3134	34.892	-28.953	-1.198	2.32	-15.774	584.251	1
43134_3134	43134	3134	-18.601	11.723	0.631	-1.782	-6.92	238.557	1
43134_3135	43134	3135	30.12	-24.084	-0.91	-3.602	-21.071	662.555	1
43135_3135	43135	3135	-45.74	0.374	-0.734	-0.95	16.415	191.382	1
43135_3136	43135	3136	25.553	-23.572	0.572	-0.006	-15.491	745.73	1
43136_3136	43136	3136	-45.74	0.374	-0.734	-0.95	10.544	188.388	1
43136_3137	43136	3137	21.472	-18.272	0.533	-0.155	-10.42	791.855	1
43137_3137	43137	3137	-44.819	0.355	-0.669	-0.717	4.305	185.525	1
43137_3138	43137	3138	18.293	-12.545	0.465	0.659	-6.003	802.803	1
43138_3138	43138	3138	-43.591	-0.151	-0.563	-0.883	-1.425	182.819	1
43138_3139	43138	3139	13.009	-28.019	-0.055	-0.456	-4.175	841.731	1
43139_3139	43139	3139	-43.591	-0.151	-0.563	-0.883	-4.803	183.727	1
43139_3140	43139	3140	13.094	-23.618	-0.11	-0.573	-4.636	856.961	1
43140_3140	43140	3140	-44.224	-0.159	-0.495	-0.581	-8.058	184.673	1
43140_3141	43140	3141	13.552	-19.35	-0.185	0.702	-5.833	844.572	1
43141_3141	43141	3141	-44.821	-0.164	-0.575	-0.894	-10.937	185.636	1
43141_3142	43141	3142	14.51	-15.397	-0.213	-0.703	-7.5	812.582	1
43142_3142	43142	3142	-44.821	-0.501	-0.575	-0.802	-14.387	186.617	1
43142_3143	43142	3143	16.452	-18.271	-0.194	-0.631	-9.822	802.808	1
43143_3143	43143	3143	-46.093	-0.542	-0.528	-0.573	-18.934	190.86	1
43143_3144	43143	3144	19.315	-12.977	-0.261	0.271	-12.842	757.579	1
43144_3144	43144	3144	-48.176	-0.619	-0.6	-0.832	-23.099	195.467	1
43144_3145	43144	3145	22.644	-8.207	-0.278	-0.68	-16.216	677.103	1
43145_3145	43145	3145	-49.661	-0.833	-0.478	-0.457	-27.864	200.65	1
43145_3146	43145	3146	26.26	-8.283	0.186	0.131	-15.962	604.983	1
43146_3146	43146	3146	-25.55	-11.618	-0.603	-0.491	-11.911	262.183	1
43146_3147	43146	3147	29.673	-3.936	0.123	-0.693	-16.74	507.595	1
43147_3147	43147	3147	-18.417	-16.647	-0.602	-0.154	-12.21	373.386	1
43147_3148	43147	3148	34.083	0.398	-0.018	-0.286	-19.65	365.872	1
43148_3148	43148	3148	32.464	25.338	-0.111	0.8	23.277	854.863	1
43148_3149	43148	3149	-18.834	-35.299	-0.024	-0.454	-15.162	472.564	1
43149_3149	43149	3149	-16.074	6.987	0.112	-0.214	-25.351	727.235	1
43149_3150	43149	3150	-21.632	-28.616	0.086	-0.121	-15.956	685.242	1
43150_3150	43150	3150	-16.009	6.193	0.07	-0.489	-24.242	639.902	1
43150_3151	43150	3151	-24.89	-25.137	-0.168	-0.372	-18.76	870.811	1
43151_3151	43151	3151	-16.124	5.779	0.065	-0.095	-23.348	552.47	1
43151_3152	43151	3152	-26.898	-18.223	-0.181	-0.152	-21.727	939.215	1
43152_3152	43152	3152	-16.018	4.944	0.162	-0.105	-22.714	484.834	1
43152_3153	43152	3153	-28.081	-22.011	0.205	0.001	-20.301	1012.56	1
43153_3153	43153	3153	-16.059	4.809	0.158	-0.057	-21.378	442.184	1
43153_3154	43153	3154	-29.304	-13.29	0.146	-0.177	-18.621	1047.673	1
43154_3154	43154	3154	-15.668	4.546	0.127	-0.013	-19.361	376.205	1
43154_3155	43154	3155	-29.712	-16.805	0.128	-0.502	-17.545	1112.448	1
43155_3155	43155	3155	-15.667	4.546	0.141	0.283	-17.967	326.191	1
43155_3156	43155	3156	-29.593	-9.266	0.132	0.382	-16.273	1107.832	1
43156_3156	43156	3156	-15.667	4.477	0.129	0.292	-16.415	276.181	1
43156_3157	43156	3157	-29.37	-13.751	0.043	0.052	-15.947	1142.602	1
43157_3157	43157	3157	-15.667	4.477	0.129	0.292	-15.127	231.356	1
43157_3158	43157	3158	-29.112	-6.91	0.022	-0.021	-15.883	1113.866	1
43158_3158	43158	3158	-15.668	4.454	0.135	0.384	-13.838	186.532	1
43158_3159	43158	3159	-29.27	-23.01	-0.054	-0.098	-16.308	1138.673	1
43159_3159	43159	3159	-15.21	-3.907	-0.129	-0.231	-14.759	206.413	1
43159_3160	43159	3160	-29.47	-16.538	-0.076	-0.143	-16.864	1102.094	1
43160_3160	43160	3160	-15.21	-4.027	-0.136	-0.225	-16.052	245.572	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43160_3161	43160	3161	-29.582	-19.947	-0.165	-0.539	-18.358	1104.544	1
43161_3161	43161	3161	-15.281	-4.029	-0.121	0.043	-17.515	289.842	1
43161_3162	43161	3162	-29.194	-13.074	-0.154	0.322	-19.61	1037.757	1
43162_3162	43162	3162	-15.281	-4.377	-0.151	0.147	-18.847	334.173	1
43162_3163	43162	3163	-27.834	-14.39	-0.215	0.312	-21.607	994.742	1
43163_3163	43163	3163	-15.438	-4.518	-0.166	-0.079	-20.812	395.405	1
43163_3164	43163	3164	-26.344	-9.691	-0.274	-0.459	-23.405	920.895	1
43164_3164	43164	3164	-15.352	-5.372	-0.061	0.13	-22.178	432.621	1
43164_3165	43164	3165	-23.387	-10.658	0.217	0.189	-19.956	838.401	1
43165_3165	43165	3165	-15.581	-5.823	-0.063	0.421	-22.462	500.186	1
43165_3166	43165	3166	-19.339	-3.612	0.15	0.26	-16.704	654.54	1
43166_3166	43166	3166	-15.395	-6.699	-0.1	0.18	-23.337	577.437	1
43166_3167	43166	3167	-15.239	-0.586	0.023	0.068	-15.914	439.151	1
43167_3167	43167	3167	-15.343	-7.138	-0.101	0.817	-24.299	661.742	1
43167_3168	43167	3168	16.072	-3.264	0.014	-0.348	-1.623	287.101	1
43168_3168	43168	3168	-14.779	26.111	0.605	-0.089	-12.65	592.06	1
43168_3169	43168	3169	32.64	-32.949	0.022	-0.146	-17.518	498.991	1
43169_3169	43169	3169	-19.016	17.396	0.632	0.338	-12.51	379.092	1
43169_3170	43169	3170	29.006	-28.749	-0.13	0.423	-15.937	605.192	1
43170_3170	43170	3170	-25.067	12.526	0.62	0.399	-11.578	262.494	1
43170_3171	43170	3171	25.12	-24.093	-0.234	0.337	-15.786	680.69	1
43171_3171	43171	3171	-35.072	8.669	0.367	0.486	-11.487	184.803	1
43171_3172	43171	3172	21.507	-24.006	0.237	0.255	-12.443	763.664	1
43172_3172	43172	3172	-29.312	0.927	-0.591	-0.653	12.186	166.066	1
43172_3173	43172	3173	18.359	-18.843	0.182	0.186	-9.773	813.279	1
43173_3173	43173	3173	-29.312	0.927	-0.591	-0.653	7.456	158.646	1
43173_3174	43173	3174	16.136	-13.256	0.13	0.095	-7.788	829.137	1
43174_3174	43174	3174	-42.702	-0.074	0.662	0.842	-12.038	152.208	1
43174_3175	43174	3175	14.977	-17.271	0.18	0.937	-6.126	862.105	1
43175_3175	43175	3175	-42.703	-0.074	0.591	0.587	-8.065	152.653	1
43175_3176	43175	3176	14.337	-13.076	0.139	-0.615	-5.045	875.814	1
43176_3176	43176	3176	-42.702	-0.074	0.662	0.842	-4.52	153.096	1
43176_3177	43176	3177	14.086	-8.754	0.049	0.781	-4.831	862.297	1
43177_3177	43177	3177	-40.485	-0.092	0.575	0.575	-1.088	153.548	1
43177_3178	43177	3178	18.889	-15.765	-0.242	-0.908	-7.846	828.628	1
43178_3178	43178	3178	-40.484	-0.782	0.519	0.618	2.361	154.099	1
43178_3179	43178	3179	21.996	-18.081	-0.168	-0.505	-9.766	813.029	1
43179_3179	43179	3179	-42.702	-0.815	0.528	0.624	7.224	160.509	1
43179_3180	43179	3180	25.995	-12.93	-0.217	-0.627	-12.265	763.83	1
43180_3180	43180	3180	-42.701	-0.815	0.582	0.833	11.45	167.032	1
43180_3181	43180	3181	30.419	-8.288	-0.3	0.134	-15.601	681.213	1
43181_3181	43181	3181	-28.987	-8.293	-0.605	-0.52	-11.269	179.406	1
43181_3182	43181	3182	35.057	-8.136	0.153	-0.749	-15.541	605.722	1
43182_3182	43182	3182	-20.723	-12.589	-0.589	-0.106	-11.365	258.387	1
43182_3183	43182	3183	39.425	-3.963	0.003	-0.052	-17.176	506.987	1
43183_3183	43183	3183	-16.191	-17.472	-0.608	-0.267	-12.082	379.214	1
43183_3184	43183	3184	44.904	0.211	-0.109	-0.315	-20.964	364.447	1
43184_3184	43184	3184	24.463	28.855	-0.103	0.847	22.792	972.191	1
43184_3185	43184	3185	-14.335	-36.599	-0.062	-0.498	-15.64	417.339	1
43185_3185	43185	3185	22.42	21.788	0.009	0.306	20.093	657.536	1
43185_3186	43185	3186	-16.31	-30.292	0.056	-0.164	-16.784	644.972	1
43186_3186	43186	3186	-8.287	4.912	0.012	-0.511	-23.564	545.469	1
43186_3187	43186	3187	-18.705	-26.655	-0.289	-0.457	-20.972	852.46	1
43187_3187	43187	3187	-8.121	4.669	0.015	-0.077	-23.853	478.302	1
43187_3188	43187	3188	-20.049	-19.947	-0.315	-0.166	-25.462	951.952	1
43188_3188	43188	3188	-8.003	3.929	0.12	-0.182	-23.895	423.426	1
43188_3189	43188	3189	-20.809	-22.999	0.14	-0.092	-24.59	1041.912	1
43189_3189	43189	3189	-8.035	3.864	0.118	-0.114	-22.905	389.62	1
43189_3190	43189	3190	-21.485	-14.565	0.066	-0.26	-24.105	1107.833	1
43190_3190	43190	3190	-7.964	3.571	0.101	0.033	-21.328	336.559	1
43190_3191	43190	3191	-21.565	-17.343	0.061	-0.136	-23.904	1189.144	1
43191_3191	43191	3191	-7.676	3.563	0.104	0.034	-20.364	297.34	1
43191_3192	43191	3192	-21.226	-10.113	0.017	-0.252	-24.182	1203.852	1
43192_3192	43192	3192	-7.546	3.447	0.109	0.224	-19.277	258.15	1
43192_3193	43192	3193	-20.262	-26.291	-0.071	-0.293	-25.221	1249.596	1
43193_3193	43193	3193	-7.546	3.447	0.109	0.224	-18.179	223.437	1
43193_3194	43193	3194	-20.306	-19.955	-0.109	-0.376	-26.146	1237.872	1
43194_3194	43194	3194	-6.931	-4.366	-0.222	-0.346	-22.631	229.853	1
43194_3195	43194	3195	-20.477	-23.593	-0.188	-0.224	-27.812	1267.253	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43195_3195	43195	3195	-6.931	-4.366	-0.222	-0.346	-24.869	273.824	1
43195_3196	43195	3196	-20.637	-17.388	-0.217	-0.299	-29.722	1235.367	1
43196_3196	43196	3196	-6.93	-4.541	-0.249	0.054	-27.108	317.802	1
43196_3197	43196	3197	-20.725	-20.228	-0.292	0.45	-32.301	1235.611	1
43197_3197	43197	3197	-7.34	-4.557	-0.252	-0.273	-29.626	367.73	1
43197_3198	43197	3198	-20.414	-13.675	-0.339	-0.631	-35.209	1169.605	1
43198_3198	43198	3198	-7.34	-5.009	-0.249	0.047	-32.397	417.869	1
43198_3199	43198	3199	-19.326	-14.447	-0.271	-0.083	-37.119	1117.822	1
43199_3199	43199	3199	-7.512	-5.087	-0.246	0.4	-35.647	488.618	1
43199_3200	43199	3200	-18.125	-9.938	-0.296	0.354	-38.353	1043.232	1
43200_3200	43200	3200	-7.418	-5.906	-0.145	-0.076	-37.688	530.573	1
43200_3201	43200	3201	-15.814	-10.259	0.181	-0.152	-34.086	946.427	1
43201_3201	43201	3201	-7.27	-6.088	-0.143	1.055	-39.375	602.369	1
43201_3202	43201	3202	-12.759	-3.562	0.15	0.889	-29.12	750.215	1
43202_3202	43202	3202	-7.525	-6.861	-0.158	0.426	-40.543	684.031	1
43202_3203	43202	3203	-9.787	-0.507	-0.055	0.266	-27.3	522.814	1
43203_3203	43203	3203	-7.348	-7.051	-0.158	1.512	-42.497	770.034	1
43203_3204	43203	3204	0.602	-1.744	-0.113	0.654	-19.904	305.502	1
43204_3204	43204	3204	-15.916	25.057	0.611	0.463	-18.277	631.901	1
43204_3205	43204	3205	37.057	-31.818	0.311	0.675	-33.315	567.919	1
43205_3205	43205	3205	-21.02	17.124	0.695	-0.028	-22.785	420.147	1
43205_3206	43205	3206	32.926	-27.992	0.222	-0.073	-27.316	669.54	1
43206_3206	43206	3206	-28.888	12.125	0.798	0.482	-25.016	302.3	1
43206_3207	43206	3207	28.574	-23.753	0.054	0.65	-23.31	740.541	1
43207_3207	43207	3207	-38.513	8.565	0.805	0.809	-25.691	222.879	1
43207_3208	43207	3208	24.473	-23.358	0.378	0.175	-17.385	817.474	1
43208_3208	43208	3208	-49.868	1.582	1.127	1.093	-34.154	192.309	1
43208_3209	43208	3209	20.844	-18.603	0.275	-0.033	-12.861	865.107	1
43209_3209	43209	3209	-45.732	1.305	1.168	1.311	-25.808	181.027	1
43209_3210	43209	3210	18.115	-13.442	0.149	0.868	-9.888	883.731	1
43210_3210	43210	3210	-43.086	0.696	1.053	1.14	-16.834	170.86	1
43210_3211	43210	3211	15.175	-28.465	-0.093	-0.543	-5.612	914.297	1
43211_3211	43211	3211	-39.841	-0.913	-1.212	-1.313	1.73	174.393	1
43211_3212	43211	3212	15.902	-24.427	-0.188	-0.696	-6.111	928.571	1
43212_3212	43212	3212	-39.843	-0.913	-1.146	-1.013	-5.543	179.874	1
43212_3213	43212	3213	17.044	-20.499	-0.309	0.657	-7.822	917.757	1
43213_3213	43213	3213	-39.841	-0.913	-1.212	-1.322	-12.418	185.351	1
43213_3214	43213	3214	18.717	-16.834	-0.372	-0.903	-10.443	889.365	1
43214_3214	43214	3214	-41.77	-1.411	-1.132	-1.033	-19.472	191.057	1
43214_3215	43214	3215	21.63	-18.358	-0.256	0.334	-13.388	873.019	1
43215_3215	43215	3215	-43.503	-1.49	-1.192	-1.297	-28.315	202.45	1
43215_3216	43215	3216	25.443	-13.597	-0.327	-0.827	-17.547	827.489	1
43216_3216	43216	3216	-44.335	-1.526	-1.196	-1.301	-37.768	214.619	1
43216_3217	43216	3217	29.705	-9.292	-0.425	-0.892	-23.095	752.376	1
43217_3217	43217	3217	-40.595	-7.302	-0.963	-0.919	-29.17	232.781	1
43217_3218	43217	3218	34.205	-8.883	-0.159	-0.529	-26.826	682.161	1
43218_3218	43218	3218	-28.548	-11.754	-0.934	-1.211	-26.971	307.973	1
43218_3219	43218	3219	38.495	-5.05	-0.263	-1.622	-32.137	591.779	1
43219_3219	43219	3219	-20.242	-17.132	-0.772	0.46	-25.082	426.913	1
43219_3220	43219	3220	43.868	-1.157	-0.585	0.292	-42.454	458.439	1
43220_3220	43220	3220	23.424	30.926	-0.165	0.773	42.782	925.354	1
43220_3221	43220	3221	-12.353	-35.967	0.065	-1.947	-26.669	540.35	1
43221_3221	43221	3221	-4.817	6.965	0.226	0.749	-46.761	807.649	1
43221_3222	43221	3222	-14.104	-30.125	0.258	0.072	-27.469	773.015	1
43222_3222	43222	3222	-4.661	6.263	0.227	-2.615	-44.435	720.568	1
43222_3223	43222	3223	-16.385	-26.71	-0.267	-3.54	-32.625	986.717	1
43223_3223	43223	3223	-4.688	6.133	0.256	1.641	-41.77	636.123	1
43223_3224	43223	3224	-17.812	-20.544	-0.204	2.003	-37.579	1099.852	1
43224_3224	43224	3224	-4.56	5.237	0.136	-2.054	-38.913	564.218	1
43224_3225	43224	3225	-18.685	-23.24	0.083	-4.166	-37.727	1198.396	1
43225_3225	43225	3225	-4.521	5.196	0.158	0.672	-37.867	521.007	1
43225_3226	43225	3226	-19.864	-14.201	0.105	1.263	-37.799	1293.357	1
43226_3226	43226	3226	-4.521	4.863	0.228	-0.776	-35.355	438.187	1
43226_3227	43226	3227	-20.132	-29.555	0.024	-3.436	-37.945	1381.257	1
43227_3227	43227	3227	-4.155	4.85	0.25	0.799	-32.753	379.393	1
43227_3228	43227	3228	-20.22	-8.693	0.144	2.242	-36.095	1391.954	1
43228_3228	43228	3228	-4.152	4.706	0.195	-0.238	-29.734	320.699	1
43228_3229	43228	3229	-19.941	-24.724	-0.126	-3.37	-37.734	1431.512	1
43229_3229	43229	3229	-6.195	-4.664	-0.192	0.125	-29.132	282.619	1

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43229_3230	43229	3230	-19.923	-17.759	-0.107	1.863	-38.506	1382.59	1
43230_3230	43230	3230	-6.283	-4.88	-0.2	-1.07	-31.426	338.975	1
43230_3231	43230	3231	-19.775	-19.478	-0.201	-3.001	-40.257	1364.406	1
43231_3231	43231	3231	-6.626	-4.896	-0.171	0.57	-33.698	398.853	1
43231_3232	43231	3232	-19.328	-12.725	-0.164	1.949	-41.23	1263.839	1
43232_3232	43232	3232	-6.816	-5.369	-0.113	-0.858	-35.653	458.819	1
43232_3233	43232	3233	-18.776	-15.734	0.227	-1.486	-38.349	1224.752	1
43233_3233	43233	3233	-6.816	-5.369	-0.109	-0.552	-36.538	500.887	1
43233_3234	43233	3234	-18.087	-11.691	0.22	-0.936	-35.498	1154.247	1
43234_3234	43234	3234	-6.773	-5.423	-0.089	1.279	-37.339	540.916	1
43234_3235	43234	3235	-16.951	-7.463	0.235	2.175	-31.871	1043.57	1
43235_3235	43235	3235	-6.687	-6.139	-0.4	-1.434	-38.177	588.826	1
43235_3236	43235	3236	-15.907	-8.874	-1.114	-1.669	-37.337	979.308	1
43236_3236	43236	3236	-7.125	-6.255	-0.391	-0.304	-39.919	625.121	1
43236_3237	43236	3237	-15.001	-6.448	-1.083	-0.318	-41.926	910.014	1
43237_3237	43237	3237	-7.023	-6.37	-0.37	2.13	-41.9	661.146	1
43237_3238	43237	3238	-13.162	-2.347	-0.943	2.095	-48.685	759.483	1
43238_3238	43238	3238	-6.971	-8.799	0.576	-0.787	-45.5	724.008	1
43238_3239	43238	3239	-10.725	-7.99	0.691	-0.791	-36.951	667.066	1
43239_3239	43239	3239	-6.791	-8.938	0.594	1.911	-39.42	814.588	1
43239_3240	43239	3240	-8.783	-2.853	0.601	1.152	-25.914	510.505	1
43240_3240	43240	3240	-6.519	-13.086	-0.698	3.233	-32.255	911.618	1
43240_3241	43240	3241	-6.212	-12.879	0.347	-0.149	-21.391	469.288	1
43241_3241	43241	3241	-28.117	16.044	-0.289	-1.243	-13.304	563.928	1
43241_3242	43241	3242	42.819	-21.366	-0.198	0.02	-42.738	724.089	1
43242_3242	43242	3242	-35.134	12.299	-0.286	0.466	-27.155	425.07	1
43242_3243	43242	3243	39.202	-16.963	-0.381	2.345	-42.602	740.167	1
43243_3243	43243	3243	-40.198	12.006	0.982	0.262	-35.338	335.562	1
43243_3244	43243	3244	34.662	-24.897	1.391	-0.681	-24.724	840.592	1
43244_3244	43244	3244	-60.472	3.409	1.549	1.17	-47.531	257.678	1
43244_3245	43244	3245	30.257	-19.549	1.138	0.829	-9.086	911.297	1
43245_3245	43245	3245	-54.508	1.369	1.13	0.708	-36.993	236.875	1
43245_3246	43245	3246	26.89	-17.122	0.169	-1.816	-4.89	971.873	1
43246_3246	43246	3246	-49.577	1.016	1.326	1.622	-26.741	224.887	1
43246_3247	43246	3247	24.7	-11.228	-0.06	1.724	-4.439	986.984	1
43247_3247	43247	3247	-48.251	0.542	0.875	0.87	-14.163	215.055	1
43247_3248	43247	3248	23.599	-9.891	0.455	-1.697	-0.08	992.3	1
43248_3248	43248	3248	-42.805	-0.942	-0.867	-0.943	-16.831	217.619	1
43248_3249	43248	3249	28.096	-16.582	0.116	0.63	1.238	942.837	1
43249_3249	43249	3249	-45.173	-1.39	-0.508	-1.592	-25.571	228.328	1
43249_3250	43249	3250	32.109	-14.03	-0.411	-1.792	-3.979	880.017	1
43250_3250	43250	3250	-49.517	-1.701	-0.392	-0.881	-30.149	244.013	1
43250_3251	43250	3251	36.704	-9.383	-0.496	0.323	-9.363	790.287	1
43251_3251	43251	3251	-54.362	-3.98	-2.395	-1.808	-31.966	262.462	1
43251_3252	43251	3252	41.263	-17.717	-2.274	-2.676	-28.415	790.925	1
43252_3252	43252	3252	-42.673	-8.578	-1.521	-0.45	-34.172	324.526	1
43252_3253	43252	3253	45.688	-12.859	-2.778	-0.352	-54.284	750.335	1
43253_3253	43253	3253	-34.661	-11.19	-1.112	0.2	-35.683	409.751	1
43253_3254	43253	3254	49.666	-8.843	-3.128	0.249	-82.599	685.235	1
43254_3254	43254	3254	-28.942	-13.03	0.477	6.085	-31.761	507.281	1
43254_3255	43254	3255	51.147	-19.787	2.8	3.908	-75.787	694.295	1
43255_3255	43255	3255	-5.018	9.03	2.701	-4.166	-58.077	989.457	1
43255_3256	43255	3256	-12.492	-28.379	2.913	-2.045	-18.94	626.297	1
43256_3256	43256	3256	-5.3	8.86	2.72	-0.334	-30.715	896.836	1
43256_3257	43256	3257	-13.008	-24.855	3.313	-0.045	6.509	707.555	1
43257_3257	43257	3257	-4.979	6.947	-1.28	-2.628	-8.885	825.047	1
43257_3258	43257	3258	-14.998	-31.634	-1.442	-2.598	-5.997	879.857	1
43258_3258	43258	3258	-5.095	6.864	-1.269	-0.642	-21.641	756.424	1
43258_3259	43258	3259	-16.123	-27.941	-1.425	-0.934	-17.459	1006.962	1
43259_3259	43259	3259	-5.192	6.792	-1.252	2.512	-32.655	694.978	1
43259_3260	43259	3260	-16.319	-26.69	-1.393	2.839	-21.863	1037.789	1
43260_3260	43260	3260	-5.307	6.115	0.075	-2.641	-36.477	672.932	1
43260_3261	43260	3261	-17.274	-26.7	-0.615	-3.89	-26.068	1139.307	1
43261_3261	43261	3261	-5.382	6.049	0.086	-0.861	-35.958	627.097	1
43261_3262	43261	3262	-18.26	-22.233	-0.681	-1.573	-33.126	1241.171	1
43262_3262	43262	3262	-4.938	5.951	0.121	1.383	-35.556	571.026	1
43262_3263	43262	3263	-18.995	-18.338	-0.66	2.544	-39.342	1296.301	1
43263_3263	43263	3263	-4.937	5.393	0.062	-1.03	-34.632	525.401	1
43263_3264	43263	3264	-20.046	-18.901	-0.008	-2.568	-40.54	1399.503	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43264_3264	43264	3264	-4.937	5.393	0.074	0.156	-33.937	464.64	1
43264_3265	43264	3265	-21.487	-26.6	-0.191	0.139	-43.677	1443.005	1
43265_3265	43265	3265	-4.786	5.119	0.106	-0.71	-33.105	401.104	1
43265_3266	43265	3266	-21.788	-27.614	-0.139	-3.575	-44.573	1507.261	1
43266_3266	43266	3266	-4.72	5.116	0.125	0.583	-31.878	341.65	1
43266_3267	43266	3267	-22.082	-21.273	-0.128	1.474	-45.458	1494.98	1
43267_3267	43267	3267	-4.333	4.942	0.111	-0.098	-30.43	283.162	1
43267_3268	43267	3268	-22.337	-22.41	-0.303	-2.61	-48.163	1498.496	1
43268_3268	43268	3268	-10.906	-4.771	-0.247	-0.027	-34.178	323.664	1
43268_3269	43268	3269	-22.467	-16.188	-0.29	1.063	-50.533	1426.567	1
43269_3269	43269	3269	-10.908	-5.046	-0.313	-1.16	-36.999	378.273	1
43269_3270	43269	3270	-22.282	-16.309	-0.029	-2.69	-49.095	1365.75	1
43270_3270	43270	3270	-11.185	-5.063	-0.269	0.523	-40.619	439.974	1
43270_3271	43270	3271	-21.656	-10.265	0.043	1.895	-45.918	1238.077	1
43271_3271	43271	3271	-11.182	-5.462	0.281	-1.971	-43.869	501.215	1
43271_3272	43271	3272	-21.078	-11.222	-0.417	-2.946	-46.954	1170.29	1
43272_3272	43272	3272	-11.133	-5.559	0.306	-0.341	-41.929	539.614	1
43272_3273	43272	3273	-19.905	-7.03	-0.321	-0.203	-46.994	1050.496	1
43273_3273	43273	3273	-11.304	-5.736	0.341	2.05	-38.716	592.146	1
43273_3274	43273	3274	-18.614	-3.904	-0.193	3.16	-45.125	925.412	1
43274_3274	43274	3274	-11.166	-8.004	1.533	-1.959	-36.026	639.472	1
43274_3275	43274	3275	-17.769	-15.448	1.793	-2.056	-39.806	917.482	1
43275_3275	43275	3275	-11.073	-8.131	1.543	-0.665	-32.438	660.842	1
43275_3276	43275	3276	-16.082	-10.896	1.642	-0.656	-20.779	861.045	1
43276_3276	43276	3276	-11.184	-8.387	1.552	1.737	-18.874	731.536	1
43276_3277	43276	3277	-14.241	-6.705	1.53	1.742	-3.855	760.689	1
43277_3277	43277	3277	-10.991	-11.099	-2.316	2.073	-5.367	804.818	1
43277_3278	43277	3278	-11.484	-10.138	-1.152	3.334	-13.051	680.089	1
43278_3278	43278	3278	-10.883	-11.544	-2.23	4.847	-28.79	921.054	1
43278_3279	43278	3279	-9.328	-5.731	-1.045	4.683	-19.776	554.117	1
43279_3279	43279	3279	-34.701	13.027	-0.193	-1.303	-20.651	534.771	1
43279_3280	43279	3280	45.16	-17.335	0.658	-13.968	-31.361	773.984	1
43280_3280	43280	3280	-36.954	12.337	0.151	-1.054	-23.943	483.534	1
43280_3281	43280	3281	42.542	-23.826	0.14	-2.219	-26.792	816.29	1
43281_3281	43281	3281	-42.684	10.326	0.311	0.247	-28.541	409.666	1
43281_3282	43281	3282	38.471	-18.564	-0.136	-0.007	-23.185	856.365	1
43282_3282	43282	3282	-51.369	8.209	0.55	1.27	-32.817	320.637	1
43282_3283	43282	3283	34.937	-13.753	-0.325	2.121	-22.572	842.965	1
43283_3283	43283	3283	-58.859	7.092	1.616	-0.007	-33.714	285.764	1
43283_3284	43283	3284	30.462	-14.711	0.971	-1.444	-5.374	846.968	1
43284_3284	43284	3284	-59.732	3.804	2.324	0.933	-18.277	226.035	1
43284_3285	43284	3285	27.664	-7.173	0.541	1.47	2.827	801.448	1
43285_3285	43285	3285	-55.061	2.453	-0.255	0.285	9.168	183.35	1
43285_3286	43285	3286	29.013	-23.389	-0.049	-1.809	-2.685	826.251	1
43286_3286	43286	3286	-45.339	-1.811	0.079	-0.179	-11.671	203.416	1
43286_3287	43286	3287	32.138	-16.804	-0.167	1.17	-5.168	793.054	1
43287_3287	43287	3287	-47.491	-3.132	-0.814	-1.009	-10.678	223.334	1
43287_3288	43287	3288	36.951	-20.111	-0.239	-1.624	-8.12	817.63	1
43288_3288	43288	3288	-52.3	-3.795	-0.681	-0.115	-19.622	262.686	1
43288_3289	43288	3289	42.682	-13.816	-0.506	0.744	-14.942	783.556	1
43289_3289	43289	3289	-52.301	-7.1	-0.239	-1.36	-22.413	312.672	1
43289_3290	43289	3290	47.228	-18.813	-0.036	-1.918	-16.987	802.943	1
43290_3290	43290	3290	-44.341	-8.671	-0.174	-0.456	-20.014	380.303	1
43290_3291	43290	3291	51.376	-14.395	-0.244	-0.399	-21.075	786.383	1
43291_3291	43291	3291	-37.619	-10.348	-0.137	0.523	-17.958	455.341	1
43291_3292	43291	3292	55.312	-10.437	-0.45	0.863	-27.309	745.562	1
43292_3292	43292	3292	-32.575	-12.774	0.363	2.192	-16.397	541.955	1
43292_3293	43292	3293	56.574	-18.514	1.116	-3.076	-25.481	754.424	1
43293_3293	43293	3293	-0.507	9.291	0.158	-2.444	-14.79	1079.909	1
43293_3294	43293	3294	-5.597	-28.515	0.318	-1.042	-8.118	693.244	1
43294_3294	43294	3294	-0.734	9.136	0.15	2.095	-14.194	1002.178	1
43294_3295	43294	3295	-4.681	-24.051	0.647	1.656	-2.935	824.949	1
43295_3295	43295	3295	-1.068	6.816	0.246	-2.954	-12.395	912.631	1
43295_3296	43295	3296	-6.025	-43.332	-0.126	-3.427	0.224	1038.556	1
43296_3296	43296	3296	-1.186	6.764	0.254	0.587	-9.959	838.582	1
43296_3297	43296	3297	-5.08	-38.87	-0.113	0.294	-1.337	1173.804	1
43297_3297	43297	3297	-1.198	6.64	0.266	2.924	-8.048	782.438	1
43297_3298	43297	3298	-4.482	-36.584	-0.107	3.352	-2.226	1228.872	1
43298_3298	43298	3298	-1.281	5.203	-0.173	-1.752	-6.851	753.818	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43298_3299	43298	3299	-4.13	-39.543	-0.351	-3.063	-5.807	1371.7	1
43299_3299	43299	3299	-1.298	5.199	-0.17	-0.192	-8.278	710.968	1
43299_3300	43299	3300	-4.018	-35.345	-0.316	-0.298	-8.723	1470.298	1
43300_3300	43300	3300	-1.298	5.199	-0.167	1.081	-9.543	672.573	1
43300_3301	43300	3301	-4.015	-31.451	-0.27	2.163	-10.853	1539.948	1
43301_3301	43301	3301	-1.201	4.32	0.152	-1.384	-10.82	635.873	1
43301_3302	43301	3302	-3.987	-33.481	0.225	-3.608	-7.826	1691.945	1
43302_3302	43302	3302	-1.173	4.308	0.156	0.839	-9.006	583.698	1
43302_3303	43302	3303	-3.959	-26.874	0.221	2.29	-4.878	1756.858	1
43303_3303	43303	3303	-1.174	3.811	0.075	-0.789	-7.098	531.188	1
43303_3304	43303	3304	-3.935	-29.561	0.068	-2.928	-3.826	1853.421	1
43304_3304	43304	3304	-1.173	3.811	0.078	0.669	-6.142	482.282	1
43304_3305	43304	3305	-3.919	-23.534	0.077	2.209	-2.708	1858.754	1
43305_3305	43305	3305	-1.051	3.497	0.086	-0.623	-5.299	438.797	1
43305_3306	43305	3306	-3.933	-11.615	0.095	-3.352	-1.632	1918.285	1
43306_3306	43306	3306	-1.051	3.497	0.09	0.833	-4.165	392.52	1
43306_3307	43306	3307	-3.919	-5.692	0.109	3.528	-0.226	1890.721	1
43307_3307	43307	3307	-1.05	3.355	0.124	-0.331	-3.177	353.917	1
43307_3308	43307	3308	-3.902	-9.672	0.087	-3.106	1.132	1910.273	1
43308_3308	43308	3308	-1.02	3.353	0.127	0.714	-1.626	311.766	1
43308_3309	43308	3309	-3.873	-3.389	0.094	3.05	2.419	1841.874	1
43309_3309	43309	3309	-1.019	3.323	0.119	-0.067	-0.135	272.533	1
43309_3310	43309	3310	-3.815	-7.58	0.121	-2.715	3.942	1815.669	1
43310_3310	43310	3310	-1.019	3.323	0.122	0.616	1.279	233.099	1
43310_3311	43310	3311	-3.692	-0.586	0.144	2.34	5.881	1686.832	1
43311_3311	43311	3311	-1.017	3.436	0.346	0.126	2.795	191.856	1
43311_3312	43311	3312	-3.479	-2.881	-0.071	-2.283	5.26	1567.389	1
43312_3312	43312	3312	-1.016	3.436	0.349	0.598	6.988	150.247	1
43312_3313	43312	3313	-3.133	5.054	-0.145	2.289	2.268	1313.438	1
43313_3313	43313	3313	-0.875	3.41	-0.397	0.229	11.325	108.639	1
43313_3314	43313	3314	-2.883	11.284	0.3	-0.991	5.267	988.139	1
43314_3314	43314	3314	-0.544	3.332	-0.35	0.463	6.925	65.619	1
43314_3315	43314	3315	-2.168	21.456	0.298	2.172	7.327	467.808	1
43315_3315	43315	3315	0.612	2.829	-0.774	0.489	6.333	25.617	1
43315_3316	43315	3316	1.665	-3.097	-0.235	-1.136	0	10.049	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
3000_3000	3000	3000	-0.604	-3.097	0.073	-0.12	0	-2.128	1
3000_3001	3000	3001	-3.75	3.391	-0.102	0.129	-1.514	-29.944	1
3001_3001	3001	3001	-55.691	12.239	-0.067	-0.01	-0.995	-427.147	1
3001_3002	3001	3002	-6.641	3.391	-0.102	0.121	-2.57	-51.848	1
3002_3002	3002	3002	-79.027	10.418	0.087	0.177	-2.095	-604.83	1
3002_3003	3002	3003	-9.979	3.367	0.141	0.131	-0.83	-77.277	1
3003_3003	3003	3003	-101.961	-1.997	0.095	-0.1	-1.129	-778.946	1
3003_3004	3003	3004	-13.337	3.367	0.141	0.101	0.887	-102.731	1
3004_3004	3004	3004	-113.13	0.203	0.03	0.137	0.048	-863.974	1
3004_3005	3004	3005	-16.72	3.389	0.063	0.12	1.648	-128.35	1
3005_3005	3005	3005	-124.661	-6.829	0.035	-0.035	0.514	-951.528	1
3005_3006	3005	3006	-20.102	3.389	0.063	0.094	2.409	-153.985	1
3006_3006	3006	3006	-127.91	-2.474	0.027	0.246	1.097	-976.153	1
3006_3007	3006	3007	-23.45	3.357	0.041	0.125	2.913	-179.356	1
3007_3007	3007	3007	-134.704	-9.163	0.029	-0.13	1.618	-1027.578	1
3007_3008	3007	3008	-26.799	3.357	0.041	0.056	3.416	-204.741	1
3008_3008	3008	3008	-134.168	-4.549	0.028	0.132	2.191	-1023.401	1
3008_3009	3008	3009	-30.099	3.324	0.035	0.088	3.818	-229.872	1
3009_3009	3009	3009	-137.649	-11.213	0.029	-0.049	2.743	-1049.662	1
3009_3010	3009	3010	-33.403	3.327	0.034	0.046	4.217	-255.019	1
3010_3010	3010	3010	-133.97	-6.873	0.035	0.198	3.292	-1021.671	1
3010_3011	3010	3011	-36.693	3.299	0.036	0.09	4.658	-279.956	1
3011_3011	3011	3011	-134.287	-26.487	0.034	-0.168	3.531	-1024.182	1
3011_3012	3011	3012	-39.982	3.299	0.036	-0.012	5.097	-304.884	1
3012_3012	3012	3012	-128.196	-22.752	0.044	0.051	4.159	-977.914	1
3012_3013	3012	3013	-43.345	3.37	0.046	0.032	5.661	-330.374	1
3013_3013	3013	3013	-125.624	-29.278	0.045	-0.106	4.871	-958.333	1
3013_3014	3013	3014	-46.707	3.37	0.046	-0.028	6.224	-355.856	1
3014_3014	3014	3014	-115.815	-27.671	0.051	0.048	5.544	-883.902	1
3014_3015	3014	3015	-51.586	3.631	0.025	0.035	6.605	-392.887	1
3015_3015	3015	3015	-113.491	-35.527	0.033	-0.133	4.356	-815.475	1
3015_3016	3015	3016	-57.533	3.467	0.017	-0.087	4.651	-422.527	1
3016_3016	3016	3016	-99.46	-32.284	-0.001	-0.002	4.599	-739.108	1
3016_3017	3016	3017	-56.541	4.067	0.013	0	4.767	-461.649	1
3017_3017	3017	3017	-78.092	-39.22	-0.007	-0.176	4.382	-665.086	1
3017_3018	3017	3018	-50.924	4.012	0.013	-0.166	4.906	-514.897	1
3018_3018	3018	3018	-49.344	-29.505	0.01	-0.037	3.367	-523.845	1
3018_3019	3018	3019	-44.727	4.523	0.014	-0.037	5.106	-571.681	1
3019_3019	3019	3019	-25.216	-35.654	-0.002	-0.169	3.005	-369.922	1
3019_3020	3019	3020	-38.23	4.688	0.014	-0.278	5.197	-632.33	1
3020_3020	3020	3020	-68.662	-1.041	-0.068	-0.01	5.369	-267.59	1
3020_3021	3020	3021	-24.285	-14.913	-0.08	0.008	2.688	-257.271	1
3021_3021	3021	3021	-74.295	-4.671	-0.033	-0.046	3.265	-329.657	1
3021_3022	3021	3022	-11.974	-10.3	-0.073	-0.036	2.427	-183.925	1
3022_3022	3022	3022	-78.128	-8.337	-0.021	-0.038	2.693	-376.56	1
3022_3023	3022	3023	4.066	-2.231	-0.095	-0.054	4.418	-149.491	1
3023_3023	3023	3023	-80.107	-8.331	-0.05	-0.022	2.285	-411.912	1
3023_3024	3023	3024	4.768	-1.926	-0.099	-0.056	3.625	-139.626	1
3024_3024	3024	3024	-83.071	-12.436	-0.042	-0.013	1.667	-452.542	1
3024_3025	3024	3025	5.898	-1.905	-0.099	-0.056	2.835	-130.071	1
3025_3025	3025	3025	-83.756	-17.005	-0.031	-0.054	1.165	-475.592	1
3025_3026	3025	3026	6.092	-1.843	-0.101	-0.069	2.026	-120.657	1
3026_3026	3026	3026	-82.466	-14.92	-0.036	0.039	0.792	-480.955	1
3026_3027	3026	3027	6.895	-1.431	-0.097	-0.045	1.446	-115.28	1
3027_3027	3027	3027	-83.72	-18.392	-0.026	-0.023	0.519	-497.418	1
3027_3028	3027	3028	7.696	-1.431	-0.102	-0.063	0.834	-109.904	1
3028_3028	3028	3028	-83.817	-22.135	-0.018	-0.013	0.353	-503.666	1
3028_3029	3028	3029	8.498	-1.431	-0.102	-0.063	0.222	-104.528	1
3029_3029	3029	3029	-81.982	-25.994	-0.007	-0.081	0.283	-495.124	1
3029_3030	3029	3030	9.299	-1.431	-0.107	-0.08	-0.423	-99.152	1
3030_3030	3030	3030	-80.71	-11.901	0.022	0.055	0.581	-477.508	1
3030_3031	3030	3031	17.571	2.125	0.105	0.072	1.818	-101.089	1
3031_3031	3031	3031	-81.278	-16.872	0.032	0.017	0.888	-470.918	1
3031_3032	3031	3032	17.05	2.217	0.101	0.062	2.626	-111.846	1
3032_3032	3032	3032	-79.732	-21.45	0.042	-0.024	1.322	-446.515	1
3032_3033	3032	3033	6.12	7.621	0.061	0.035	2.053	-127.189	1
3033_3033	3033	3033	-75.815	-21.416	0.006	0.066	1.889	-404.307	1
3033_3034	3033	3034	-10.265	12.112	0.075	0.046	1.855	-172.906	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3034_3034	3034	3034	-72.87	-25.508	0.025	-0.013	2.229	-367.521	1
3034_3035	3034	3035	-24.945	16.8	0.063	-0.004	1.712	-239.321	1
3035_3035	3035	3035	-66.943	-29.301	0.047	0.025	3.661	-324.279	1
3035_3036	3035	3036	-41.96	23.485	0.072	0.02	1.921	-368.955	1
3036_3036	3036	3036	-13.523	-3.775	-0.008	-0.059	0.029	-163.42	1
3036_3037	3036	3037	-32.176	-6.683	0.004	0.222	3.732	-525.211	1
3037_3037	3037	3037	-18.93	-0.343	0.007	0.036	2.452	-340.199	1
3037_3038	3037	3038	-36.331	-6.297	0.002	0.061	3.772	-455.441	1
3038_3038	3038	3038	-37.282	-2.797	0.023	0.127	2.733	-474.519	1
3038_3039	3038	3039	-39.21	-5.356	-0.002	0.153	3.761	-394.744	1
3039_3039	3039	3039	-60.657	-9.101	0.026	-0.012	3.341	-586.217	1
3039_3040	3039	3040	-39.047	-5.124	-0.004	0.005	3.755	-346.064	1
3040_3040	3040	3040	-74.615	-8.303	-0.036	0.079	3.903	-638.939	1
3040_3041	3040	3041	-36.799	-4.415	-0.026	0.062	3.537	-320.988	1
3041_3041	3041	3041	-93.789	-13.527	-0.017	-0.008	1.771	-637.515	1
3041_3042	3041	3042	-34.811	-4.368	-0.013	0.002	1.464	-254.521	1
3042_3042	3042	3042	-99.529	-11.66	-0.007	0.023	1.633	-673.768	1
3042_3043	3042	3043	-30.162	-3.911	-0.004	0.007	1.412	-226.372	1
3043_3043	3043	3043	-107.449	-18.077	-0.006	-0.02	1.616	-720.046	1
3043_3044	3043	3044	-25.512	-3.911	-0.005	-0.009	1.353	-198.218	1
3044_3044	3044	3044	-108.783	-14.486	-0.002	0.042	1.593	-724.578	1
3044_3045	3044	3045	-21.051	-3.753	-0.005	0	1.29	-171.208	1
3045_3045	3045	3045	-114.708	-21.116	-0.002	-0.056	1.605	-756.69	1
3045_3046	3045	3046	-22.265	3.938	0.009	0.016	1.253	-151.184	1
3046_3046	3046	3046	-113.424	-5.348	0.001	-0.001	1.614	-741.328	1
3046_3047	3046	3047	-26.966	3.956	0.009	0.016	1.356	-179.65	1
3047_3047	3047	3047	-116.359	-12.487	0.002	0.001	1.606	-758.77	1
3047_3048	3047	3048	-31.67	3.956	0.009	0.015	1.46	-208.138	1
3048_3048	3048	3048	-111.171	-8.472	0.004	-0.013	1.616	-727.683	1
3048_3049	3048	3049	-36.452	4.021	0.009	0.002	1.568	-237.091	1
3049_3049	3049	3049	-110.306	-15.655	0.005	-0.004	1.628	-723.052	1
3049_3050	3049	3050	-41.229	4.021	0.009	0.003	1.676	-266.017	1
3050_3050	3050	3050	-102.654	-12.277	0.012	-0.007	1.648	-676.2	1
3050_3051	3050	3051	-48.021	4.27	0.009	-0.004	1.827	-307.147	1
3051_3051	3051	3051	-91.857	-21.635	0.016	-0.061	2.051	-663.377	1
3051_3052	3051	3052	-47.69	4.21	0.011	-0.048	2.212	-342.184	1
3052_3052	3052	3052	-82.166	-18.577	-0.016	-0.013	2.124	-614.272	1
3052_3053	3052	3053	-48.234	4.64	0.004	-0.012	2.258	-383.763	1
3053_3053	3053	3053	-60.029	-25.194	-0.021	-0.175	2.477	-601.264	1
3053_3054	3053	3054	-40.359	4.837	0.004	-0.178	3.118	-463.011	1
3054_3054	3054	3054	-37.501	-28.523	0.011	-0.039	2.046	-485.32	1
3054_3055	3054	3055	-35.783	5.318	0.014	-0.03	3.283	-523.5	1
3055_3055	3055	3055	-18.327	-34.767	0	-0.187	1.889	-349.737	1
3055_3056	3055	3056	-30.697	5.543	0.013	-0.313	3.415	-588.651	1
3056_3056	3056	3056	-64.415	-1.134	-0.041	-0.039	3.292	-274.268	1
3056_3057	3056	3057	-17.379	-14.286	-0.063	-0.013	1.891	-234.36	1
3057_3057	3057	3057	-70.976	-4.968	-0.022	-0.097	2.268	-353.121	1
3057_3058	3057	3058	-2.606	-9.059	-0.064	-0.088	2	-174.531	1
3058_3058	3058	3058	-75.589	-8.764	-0.012	-0.079	1.873	-408.835	1
3058_3059	3058	3059	7.436	-2.304	-0.073	-0.128	3.244	-157.752	1
3059_3059	3059	3059	-78.157	-8.748	-0.039	-0.014	1.616	-450.224	1
3059_3060	3059	3060	7.919	-2.016	-0.071	-0.12	2.671	-147.05	1
3060_3060	3060	3060	-81.506	-12.915	-0.031	-0.095	1.163	-496.261	1
3060_3061	3060	3061	8.759	-1.984	-0.075	-0.151	2.075	-136.605	1
3061_3061	3061	3061	-82.612	-17.524	-0.026	-0.075	0.803	-522.869	1
3061_3062	3061	3062	9.138	-1.936	-0.074	-0.149	1.488	-126.384	1
3062_3062	3062	3062	-81.761	-15.367	-0.023	-0.029	0.518	-530.012	1
3062_3063	3062	3063	9.955	-1.579	-0.077	-0.139	1.026	-120.172	1
3063_3063	3063	3063	-83.12	-18.837	-0.017	-0.012	0.346	-548.088	1
3063_3064	3063	3064	9.542	1.283	0.078	0.155	0.402	-120.29	1
3064_3064	3064	3064	-83.199	-11.835	0.013	0.062	0.224	-555.289	1
3064_3065	3064	3065	8.878	1.283	0.078	0.155	0.871	-125.336	1
3065_3065	3065	3065	-82.783	-15.553	0.021	-0.082	0.328	-547.594	1
3065_3066	3065	3066	8.216	1.283	0.074	0.119	1.312	-130.375	1
3066_3066	3066	3066	-81.251	-11.859	0.02	0.087	0.511	-528.95	1
3066_3067	3066	3067	8.692	1.773	0.075	0.164	1.897	-139.577	1
3067_3067	3067	3067	-81.896	-16.839	0.026	0.107	0.783	-521.231	1
3067_3068	3067	3068	7.469	1.773	0.075	0.164	2.499	-148.876	1
3068_3068	3068	3068	-80.604	-21.442	0.036	-0.092	1.132	-494.254	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3068_3069	3068	3069	7.711	1.85	0.068	0.098	3.037	-158.465	1
3069_3069	3069	3069	-77.125	-21.333	0.004	0.117	1.59	-448.314	1
3069_3070	3069	3070	-2.145	9.082	0.065	0.115	1.856	-177.942	1
3070_3070	3070	3070	-74.497	-25.511	0.017	0.05	1.853	-407.539	1
3070_3071	3070	3071	-17.588	14.352	0.057	0.053	1.568	-238.491	1
3071_3071	3071	3071	-69.672	-29.304	0.036	-0.009	2.671	-352.771	1
3071_3072	3071	3072	-35.206	21.77	0.056	-0.012	1.477	-352.138	1
3072_3072	3072	3072	-14.61	-0.631	-0.015	0.13	1.943	-189.205	1
3072_3073	3072	3073	-35.305	-5.39	-0.012	0.281	3.185	-535.687	1
3073_3073	3073	3073	-20.45	-0.233	-0.001	0.038	1.992	-354.129	1
3073_3074	3073	3074	-40.276	-5.085	-0.012	0.068	3.091	-475.28	1
3074_3074	3074	3074	-38.708	-2.827	0.011	0.183	2.118	-494.193	1
3074_3075	3074	3075	-43.849	-4.582	-0.007	0.217	3.005	-420.262	1
3075_3075	3075	3075	-68.177	-9.24	0.008	-0.033	1.795	-578.84	1
3075_3076	3075	3076	-48.617	-4.399	-0.006	-0.011	2.154	-355.064	1
3076_3076	3076	3076	-83.521	-8.194	-0.008	0.121	2.007	-632.599	1
3076_3077	3076	3077	-46.682	-3.881	-0.006	0.088	2.103	-633.199	1
3077_3077	3077	3077	-86.572	-13.043	-0.013	-0.07	2.874	-698.059	1
3077_3078	3077	3078	-38.057	-3.999	-0.009	-0.025	2.883	-301.535	1
3078_3078	3078	3078	-93.353	-11.911	-0.014	0.008	2.83	-746.963	1
3078_3079	3078	3079	-34.31	-3.851	-0.017	0.001	2.695	-274.367	1
3079_3079	3079	3079	-103.056	-6.196	-0.011	0.04	2.775	-803.759	1
3079_3080	3079	3080	-30.71	-3.845	-0.017	0.001	2.514	-247.216	1
3080_3080	3080	3080	-105.427	-2.079	-0.003	0.076	2.65	-816.564	1
3080_3081	3080	3081	-27.097	-3.709	-0.013	-0.006	2.366	-221.026	1
3081_3081	3081	3081	-111.639	-8.728	-0.003	-0.04	2.599	-858.389	1
3081_3082	3081	3082	-23.487	-3.709	-0.014	-0.04	2.214	-194.857	1
3082_3082	3082	3082	-111.002	-4.225	0.002	0.059	2.552	-852.019	1
3082_3083	3082	3083	-19.658	-3.661	-0.015	-0.031	2.036	-167.095	1
3083_3083	3083	3083	-114.488	-11.354	0.003	-0.061	2.56	-877.142	1
3083_3084	3083	3084	-24.614	3.469	0.017	0.026	2.135	-193.021	1
3084_3084	3084	3084	-110.526	-19.503	-0.001	0.021	2.593	-848.516	1
3084_3085	3084	3085	-28.016	3.496	0.017	0.038	2.32	-217.683	1
3085_3085	3085	3085	-111.036	-25.891	-0.001	-0.099	2.594	-852.136	1
3085_3086	3085	3086	-31.42	3.496	0.016	0.002	2.503	-242.364	1
3086_3086	3086	3086	-104.006	-9.904	0.011	0.018	2.564	-808.588	1
3086_3087	3086	3087	-34.68	3.576	0.016	0.014	2.67	-267.55	1
3087_3087	3087	3087	-101.45	-16.569	0.01	-0.088	2.639	-793.323	1
3087_3088	3087	3088	-38.16	3.576	0.016	-0.027	2.848	-292.776	1
3088_3088	3088	3088	-93.61	-13.291	0.025	-0.001	2.675	-738.231	1
3088_3089	3088	3089	-42.77	3.803	0.02	-0.001	3.133	-326.2	1
3089_3089	3089	3089	-85.674	-21.496	0.023	-0.136	2.61	-726.534	1
3089_3090	3089	3090	-43.665	3.722	0.018	-0.098	2.967	-364.129	1
3090_3090	3090	3090	-76.139	-18.42	-0.018	0	2.72	-670.233	1
3090_3091	3090	3091	-43.472	4.162	0.004	0	3.001	-403.187	1
3091_3091	3091	3091	-59.788	-25.167	-0.023	-0.177	2.962	-618.806	1
3091_3092	3091	3092	-38.941	4.261	0.004	-0.182	3.808	-458.502	1
3092_3092	3092	3092	-36.662	-28.413	0.019	-0.057	2.484	-492.618	1
3092_3093	3092	3093	-34.288	4.77	0.022	-0.071	4.068	-514.307	1
3093_3093	3093	3093	-17.436	-34.846	0.005	-0.159	2.38	-349.578	1
3093_3094	3093	3094	-29.225	4.971	0.021	-0.271	4.292	-574.254	1
3094_3094	3094	3094	-63.326	-1.072	-0.047	-0.011	3.776	-274.996	1
3094_3095	3094	3095	-16.451	-13.951	-0.08	0.009	2.195	-233.961	1
3095_3095	3095	3095	-67.577	-4.958	-0.027	-0.125	3.336	-361.845	1
3095_3096	3095	3096	-1.473	-8.932	-0.105	-0.108	2.896	-178.93	1
3096_3096	3096	3096	-71.676	-8.836	-0.011	-0.104	2.805	-419.171	1
3096_3097	3096	3097	7.548	-2.284	-0.12	-0.145	4.677	-161.122	1
3097_3097	3097	3097	-73.802	-8.685	-0.061	-0.012	2.49	-461.363	1
3097_3098	3097	3098	7.843	-1.963	-0.12	-0.12	3.722	-150.221	1
3098_3098	3098	3098	-76.754	-12.924	-0.049	-0.105	1.805	-509.176	1
3098_3099	3098	3099	8.299	-1.911	-0.125	-0.155	2.726	-139.746	1
3099_3099	3099	3099	-77.585	-17.626	-0.041	-0.088	1.261	-536.525	1
3099_3100	3099	3100	8.534	-1.85	-0.124	-0.154	1.74	-129.581	1
3100_3100	3100	3100	-76.555	-15.194	-0.029	-0.372	0.83	-543.137	1
3100_3101	3100	3101	8.819	-1.465	-0.14	-0.234	0.904	-123.591	1
3101_3101	3101	3101	-77.799	-18.709	-0.021	-0.408	0.617	-562.517	1
3101_3102	3101	3102	11.347	1.563	0.102	0.064	0.533	-124.856	1
3102_3102	3102	3102	-77.616	-11.882	0.01	0.544	0.551	-570.874	1
3102_3103	3102	3103	10.59	1.563	0.141	0.27	1.377	-131.209	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3103_3103	3103	3103	-77.246	-15.659	0.023	0.302	0.676	-563.442	1
3103_3104	3103	3104	10.232	1.569	0.134	0.226	2.17	-137.596	1
3104_3104	3104	3104	-75.808	-11.656	0.033	0.111	0.924	-544.291	1
3104_3105	3104	3105	9.819	1.961	0.123	0.173	3.143	-148.142	1
3105_3105	3105	3105	-76.582	-16.754	0.044	0.006	1.39	-537.927	1
3105_3106	3105	3106	9.351	2.003	0.118	0.139	4.083	-158.907	1
3106_3106	3106	3106	-75.495	-21.462	0.053	0.025	1.992	-510.74	1
3106_3107	3106	3107	8.812	2.05	0.119	0.139	5.03	-169.955	1
3107_3107	3107	3107	-72.293	-21.23	-0.003	0.06	2.711	-463.052	1
3107_3108	3107	3108	9.385	2.461	0.114	0.134	5.891	-182.402	1
3108_3108	3108	3108	-69.941	-25.538	0.012	0.078	3.072	-421.049	1
3108_3109	3108	3109	-14.332	13.958	0.094	0.065	2.591	-240.839	1
3109_3109	3109	3109	-67.435	-29.351	0.029	0.019	3.275	-354.825	1
3109_3110	3109	3110	-32.529	21.157	0.074	0.001	1.925	-345.096	1
3110_3110	3110	3110	-12.644	-1.398	-0.015	0.129	1.885	-215.427	1
3110_3111	3110	3111	-34.129	-5.598	-0.024	0.334	4.41	-540.836	1
3111_3111	3111	3111	-19.927	-0.566	-0.009	0.007	2.739	-361.271	1
3111_3112	3111	3112	-38.781	-5.31	-0.025	0.026	4.158	-478.182	1
3112_3112	3112	3112	-37.469	-3.088	0.011	0.16	2.846	-500.032	1
3112_3113	3112	3113	-41.973	-4.793	-0.01	0.201	4.005	-421.288	1
3113_3113	3113	3113	-60.405	-9.823	0.01	-0.045	2.61	-612.051	1
3113_3114	3113	3114	-42.773	-4.677	-0.009	-0.017	3.099	-372.57	1
3114_3114	3114	3114	-73.153	-8.871	-0.033	0.044	2.925	-662.422	1
3114_3115	3114	3115	-40.742	-4.288	-0.024	0.055	2.896	-347.474	1
3115_3115	3115	3115	-90.48	-13.626	-0.027	0.013	2.29	-641.064	1
3115_3116	3115	3116	-39.281	-4.32	-0.02	0.012	2.115	-275.278	1
3116_3116	3116	3116	-95.021	-11.949	-0.012	0.065	2.004	-671.292	1
3116_3117	3116	3117	-35.011	-4.061	-0.013	0.024	1.965	-247.93	1
3117_3117	3117	3117	-101.969	-18.231	-0.013	-0.075	1.923	-714.367	1
3117_3118	3117	3118	-31.17	-4.044	-0.014	-0.032	1.822	-220.659	1
3118_3118	3118	3118	-103.014	-14.359	-0.011	0.062	1.801	-718.084	1
3118_3119	3118	3119	-26.982	-3.986	-0.015	0.001	1.656	-193.847	1
3119_3119	3119	3119	-108.342	-20.761	-0.013	-0.088	1.683	-749.047	1
3119_3120	3119	3120	-22.795	-3.986	-0.015	-0.043	1.482	-167.035	1
3120_3120	3120	3120	-106.801	-16.373	-0.009	0.011	1.541	-736.293	1
3120_3121	3120	3121	-18.333	-3.952	-0.016	-0.027	1.293	-138.463	1
3121_3121	3121	3121	-110.227	-23.388	-0.009	-0.056	1.426	-756.131	1
3121_3122	3121	3122	-14.387	2.403	0.004	0.011	0.938	-118.444	1
3122_3122	3122	3122	-104.964	-19.457	-0.008	0.002	1.317	-721.754	1
3122_3123	3122	3123	-16.961	2.45	0.005	0.016	0.99	-134.923	1
3123_3123	3123	3123	-104.577	-26.069	-0.008	-0.067	1.225	-720.057	1
3123_3124	3123	3124	-19.536	2.45	0.004	0	1.038	-151.417	1
3124_3124	3124	3124	-96.595	-21.998	0.001	0.021	1.143	-671.028	1
3124_3125	3124	3125	-22.179	2.58	0.005	0.017	1.095	-168.766	1
3125_3125	3125	3125	-91.947	-17.388	0.003	-0.09	1.147	-652.276	1
3125_3126	3125	3126	-24.739	2.587	0.004	-0.022	1.135	-186.13	1
3126_3126	3126	3126	-82.953	-13.955	0.003	0.006	1.148	-596.69	1
3126_3127	3126	3127	-28.36	2.834	0.003	0.002	1.178	-209.553	1
3127_3127	3127	3127	-78.878	-22.121	0.003	-0.057	1.036	-563.494	1
3127_3128	3127	3128	-30.817	2.796	0.002	-0.032	1.076	-228.219	1
3128_3128	3128	3128	-68.638	-18.575	0.002	0.015	1.056	-512.003	1
3128_3129	3128	3129	-31.352	3.463	0.01	0.007	1.185	-258.318	1
3129_3129	3129	3129	-47.927	-25.402	0.002	-0.156	1.285	-498.35	1
3129_3130	3129	3130	-25.724	3.72	0.011	-0.123	1.564	-318.591	1
3130_3130	3130	3130	-27.073	-29.046	-0.056	-0.048	1.331	-383.831	1
3130_3131	3130	3131	-44.886	18.205	0.036	0.102	-0.811	-445.131	1
3131_3131	3131	3131	-9.33	-35.515	-0.068	-0.075	0.503	-248.383	1
3131_3132	3131	3132	-51.803	26.433	0.038	0.089	-0.481	-637.884	1
3132_3132	3132	3132	-56.677	1.11	0.08	-0.168	0.118	-190.955	1
3132_3133	3132	3133	-18.813	-15.209	-0.082	-0.15	0.928	-212.587	1
3133_3133	3133	3133	-66.059	-3.204	0.079	-0.126	0.641	-280.336	1
3133_3134	3133	3134	-8.586	-10.832	-0.061	-0.067	0.499	-138.972	1
3134_3134	3134	3134	-71.988	-7.251	0.057	0.303	1.137	-340.342	1
3134_3135	3134	3135	12.648	-1.068	0.023	0.17	-1.183	-111.469	1
3135_3135	3135	3135	-75.635	-7.778	-0.044	-0.008	1.518	-386.033	1
3135_3136	3135	3136	12.897	-0.346	0.053	0.065	-0.76	-109.743	1
3136_3136	3136	3136	-79.85	-12.223	-0.041	0	1.116	-434.417	1
3136_3137	3136	3137	12.557	-0.328	0.052	0.065	-0.31	-108.075	1
3137_3137	3137	3137	-81.203	-17.12	-0.036	-0.056	0.751	-461.287	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3137_3138	3137	3138	12.009	-0.304	0.047	0.049	0.103	-106.502	1
3138_3138	3138	3138	-80.119	-14.278	-0.016	0.003	0.433	-467.631	1
3138_3139	3138	3139	11.933	0.14	0.041	0.06	0.346	-107.028	1
3139_3139	3139	3139	-80.098	-8.114	0.004	0.031	0.301	-490.341	1
3139_3140	3139	3140	12.253	0.147	0.041	0.061	0.581	-107.578	1
3140_3140	3140	3140	-81.452	-12.18	0.009	-0.058	0.334	-499.213	1
3140_3141	3140	3141	12.55	0.152	0.036	0.04	0.788	-108.141	1
3141_3141	3141	3141	-80.685	-16.124	0.012	0.048	0.42	-491.996	1
3141_3142	3141	3142	12.465	0.152	0.041	0.061	1.037	-108.714	1
3142_3142	3142	3142	-78.553	-11.838	0.011	0.033	0.54	-473.322	1
3142_3143	3142	3143	12.909	0.501	0.042	0.055	1.364	-111.183	1
3143_3143	3143	3143	-78.956	-17.121	0.015	-0.025	0.708	-467.667	1
3143_3144	3143	3144	13.836	0.572	0.039	0.04	1.664	-113.868	1
3144_3144	3144	3144	-76.91	-22.012	0.017	0.046	0.925	-441.319	1
3144_3145	3144	3145	14.333	0.635	0.044	0.057	2.008	-116.884	1
3145_3145	3145	3145	-72.143	-21.897	-0.02	-0.008	1.168	-394.442	1
3145_3146	3145	3146	-6.194	10.735	0.041	0.01	0.858	-152.732	1
3146_3146	3146	3146	-68.283	-26.35	-0.016	0.044	1.15	-352.426	1
3146_3147	3146	3147	-19.911	15.382	0.045	0.028	0.88	-215.489	1
3147_3147	3147	3147	-61.177	-30.464	-0.007	0.017	1.241	-300.415	1
3147_3148	3147	3148	-37.514	23.297	0.045	0.005	0.924	-341.574	1
3148_3148	3148	3148	-8.783	-1.808	-0.008	0.05	0.823	-182.063	1
3148_3149	3148	3149	-24.66	-6.697	-0.008	0.131	1.878	-464.726	1
3149_3149	3149	3149	-12.474	-0.701	0.002	0.021	1.125	-301.983	1
3149_3150	3149	3150	-28.079	-6.149	-0.008	0.048	1.801	-398.639	1
3150_3150	3150	3150	-28.388	-3.372	0.009	0.044	1.18	-426.868	1
3150_3151	3150	3151	-29.812	-5.459	-0.005	0.07	1.73	-339.457	1
3151_3151	3151	3151	-54.64	-9.785	0.011	0.015	1.128	-492.193	1
3151_3152	3151	3152	-32.83	-5.026	-0.004	0.016	1.366	-272.719	1
3152_3152	3152	3152	-66.285	-8.863	-0.014	0.002	1.306	-528.294	1
3152_3153	3152	3153	-30.125	-4.459	-0.01	0.009	1.286	-248.874	1
3153_3153	3153	3153	-79.185	-13.325	-0.01	0.004	1.003	-541.827	1
3153_3154	3153	3154	-26.416	-4.382	-0.008	0.002	0.957	-201.951	1
3154_3154	3154	3154	-81.988	-11.999	-0.007	0.012	0.92	-562.409	1
3154_3155	3154	3155	-21.681	-4.162	-0.006	0	0.888	-175.105	1
3155_3155	3155	3155	-87.881	-18.308	-0.008	-0.018	0.867	-597.17	1
3155_3156	3155	3156	-16.945	-4.162	-0.007	-0.01	0.811	-148.257	1
3156_3156	3156	3156	-87.515	-15.181	-0.003	-0.004	0.804	-594.704	1
3156_3157	3156	3157	-12.701	-4.1	-0.006	-0.01	0.748	-124.195	1
3157_3157	3157	3157	-90.938	-21.104	-0.002	-0.002	0.788	-613.367	1
3157_3158	3157	3158	-8.456	-4.1	-0.006	-0.01	0.684	-100.132	1
3158_3158	3158	3158	-88.359	-17.3	-0.001	-0.005	0.785	-597.891	1
3158_3159	3158	3159	-10.608	3.577	0.006	0.008	0.729	-110.806	1
3159_3159	3159	3159	-90.625	-12.626	0.003	0.003	0.806	-611.258	1
3159_3160	3159	3160	-14.315	3.577	0.006	0.008	0.793	-131.825	1
3160_3160	3160	3160	-87.053	-8.576	0.007	0.015	0.833	-591.672	1
3160_3161	3160	3161	-18.466	3.689	0.007	0.008	0.866	-155.592	1
3161_3161	3161	3161	-87.209	-15.431	0.007	-0.017	0.907	-592.937	1
3161_3162	3161	3162	-22.663	3.689	0.006	-0.002	0.931	-179.387	1
3162_3162	3162	3162	-81.114	-12.359	0.008	-0.012	0.969	-557.089	1
3162_3163	3162	3163	-28.262	4.019	0.007	-0.005	1.028	-211.771	1
3163_3163	3163	3163	-74.159	-20.601	0.013	0.021	1.132	-551.166	1
3163_3164	3163	3164	-29.327	4.069	0.009	0	1.161	-240.185	1
3164_3164	3164	3164	-65.833	-17.765	-0.012	-0.021	1.226	-511.201	1
3164_3165	3164	3165	-30.816	4.768	0.003	-0.017	1.176	-279.144	1
3165_3165	3165	3165	-48.59	-24.325	-0.012	-0.037	1.17	-493.915	1
3165_3166	3165	3166	-26.918	5.176	0.004	-0.048	1.365	-346.223	1
3166_3166	3166	3166	-27.279	-27.843	0.005	-0.025	0.981	-392.44	1
3166_3167	3166	3167	-24.015	6.066	0.006	-0.036	1.425	-407.862	1
3167_3167	3167	3167	-9.268	-34.13	-0.001	-0.056	0.932	-270.669	1
3167_3168	3167	3168	-62.14	24.278	-0.009	0.096	-1.43	-578.243	1
3168_3168	3168	3168	-55.783	0.314	-0.008	-0.004	1.274	-208.43	1
3168_3169	3168	3169	-21.038	-16.048	-0.036	0.003	0.733	-220.102	1
3169_3169	3169	3169	-65.284	-3.542	0.001	-0.032	0.816	-283.217	1
3169_3170	3169	3170	-8.517	-11.521	-0.029	-0.024	0.539	-146.864	1
3170_3170	3170	3170	-72.008	-7.405	0.006	-0.025	0.743	-338.602	1
3170_3171	3170	3171	4.518	-7.586	-0.028	-0.028	0.535	-103.398	1
3171_3171	3171	3171	-76.458	-7.498	-0.013	-0.02	0.735	-380.868	1
3171_3172	3171	3172	2.728	-0.853	0.028	0.039	-0.568	-92.913	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3172_3172	3172	3172	-81.756	-11.767	-0.011	-0.016	0.58	-427.266	1
3172_3173	3172	3173	3.397	-0.853	0.028	0.039	-0.347	-88.762	1
3173_3173	3173	3173	-84.325	-16.516	-0.008	-0.011	0.455	-455.025	1
3173_3174	3173	3174	12.055	-0.341	-0.027	-0.04	0.561	-85.163	1
3174_3174	3174	3174	-84.404	-14.379	-0.011	-0.053	0.363	-463.862	1
3174_3175	3174	3175	12.015	0.068	-0.031	-0.05	0.376	-85.408	1
3175_3175	3175	3175	-86.682	-17.962	-0.01	0.03	0.285	-482.343	1
3175_3176	3175	3176	11.976	0.068	-0.028	-0.035	0.211	-85.657	1
3176_3176	3176	3176	-87.531	-21.82	-0.005	-0.05	0.235	-490.013	1
3176_3177	3176	3177	10.597	0.085	-0.03	-0.05	0.051	-85.909	1
3177_3177	3177	3177	-86.162	-25.796	-0.003	0.039	0.225	-482.451	1
3177_3178	3177	3178	10.547	0.085	-0.027	-0.034	-0.11	-86.218	1
3178_3178	3178	3178	-86.026	-12.092	0.006	0.024	0.366	-463.615	1
3178_3179	3178	3179	11.308	0.75	-0.025	-0.037	-0.337	-89.804	1
3179_3179	3179	3179	-86.497	-17.217	0.008	0.03	0.455	-454.886	1
3179_3180	3179	3180	10.72	0.75	-0.025	-0.037	-0.533	-93.454	1
3180_3180	3180	3180	-84.479	-21.954	0.012	-0.019	0.571	-427.359	1
3180_3181	3180	3181	1.333	7.973	0.016	0.024	0.525	-100.379	1
3181_3181	3181	3181	-79.703	-22.111	-0.012	0.036	0.727	-381.159	1
3181_3182	3181	3182	-10.769	11.579	0.029	0.027	0.53	-144.566	1
3182_3182	3182	3182	-75.707	-26.364	-0.005	-0.003	0.724	-338.899	1
3182_3183	3182	3183	-24.126	16.07	0.028	0.003	0.563	-210.561	1
3183_3183	3183	3183	-69.383	-30.256	-0.001	0.015	0.901	-284.04	1
3183_3184	3183	3184	-43.127	24.136	0.032	0.016	0.644	-335.29	1
3184_3184	3184	3184	-16.129	-3.545	-0.003	-0.031	0.218	-158.639	1
3184_3185	3184	3185	-51.531	-19.319	0	-0.091	-1.054	-401.021	1
3185_3185	3185	3185	-14.916	0.476	0.003	0.02	0.822	-254.528	1
3185_3186	3185	3186	-30.558	-4.762	-0.005	0.035	1.24	-323.599	1
3186_3186	3186	3186	-33.177	-2.234	0.012	0.04	0.879	-382.612	1
3186_3187	3186	3187	-32.563	-4.139	-0.001	0.055	1.252	-277.98	1
3187_3187	3187	3187	-59.702	-8.429	0.014	0.015	0.983	-472.208	1
3187_3188	3187	3188	-33.616	-3.967	-0.001	0.013	1.12	-232.636	1
3188_3188	3188	3188	-74.517	-8.064	-0.008	0.006	1.193	-522.997	1
3188_3189	3188	3189	-31.465	-3.506	-0.006	0.012	1.074	-214.046	1
3189_3189	3189	3189	-85.881	-12.535	-0.006	0.007	1.046	-578.954	1
3189_3190	3189	3190	-27.108	-3.549	-0.005	0.004	0.907	-187.652	1
3190_3190	3190	3190	-91.92	-11.787	-0.004	0.001	1.025	-617.696	1
3190_3191	3190	3191	-23.585	-3.277	-0.004	-0.001	0.866	-165.787	1
3191_3191	3191	3191	-99.517	-17.893	-0.003	0.005	1.017	-663.026	1
3191_3192	3191	3192	-19.975	-3.273	-0.004	-0.001	0.82	-143.935	1
3192_3192	3192	3192	-101.092	-15.255	-0.001	-0.001	1.029	-671.225	1
3192_3193	3192	3193	-16.712	-3.17	-0.005	-0.009	0.773	-124.581	1
3193_3193	3193	3193	-105.941	-9.664	0.003	0.011	1.073	-696.732	1
3193_3194	3193	3194	-17.665	3.95	0.009	0.02	0.963	-128.157	1
3194_3194	3194	3194	-104.814	-6.118	0.007	0.005	1.112	-690.196	1
3194_3195	3194	3195	-21.798	4.015	0.009	0.014	1.058	-152.675	1
3195_3195	3195	3195	-107.478	-12.145	0.008	0.009	1.183	-706.577	1
3195_3196	3195	3196	-25.932	4.015	0.009	0.014	1.153	-177.191	1
3196_3196	3196	3196	-104.399	-8.688	0.011	-0.02	1.264	-688.843	1
3196_3197	3196	3197	-30.393	4.191	0.01	-0.002	1.26	-205.034	1
3197_3197	3197	3197	-104.363	-15.24	0.013	0.026	1.374	-688.935	1
3197_3198	3197	3198	-35.106	4.191	0.011	0.011	1.378	-232.988	1
3198_3198	3198	3198	-98.333	-12.801	0.009	-0.001	1.498	-652.131	1
3198_3199	3198	3199	-41.478	4.622	0.011	-0.002	1.517	-271.501	1
3199_3199	3199	3199	-91.459	-20.778	0.012	-0.028	1.665	-608.591	1
3199_3200	3199	3200	-43.168	4.548	0.011	-0.026	1.69	-288.768	1
3200_3200	3200	3200	-82.38	-18.907	-0.008	-0.014	1.721	-567.755	1
3200_3201	3200	3201	-44.783	5.052	0.007	-0.014	1.767	-330.82	1
3201_3201	3201	3201	-60.159	-25.24	-0.013	-0.118	2.344	-559.642	1
3201_3202	3201	3202	-38.344	5.319	0.009	-0.122	2.785	-411.508	1
3202_3202	3202	3202	-37.024	-28.805	0.012	-0.065	2.009	-451.283	1
3202_3203	3202	3203	-34.807	5.959	0.011	-0.086	2.927	-474.802	1
3203_3203	3203	3203	-17.177	-34.637	0.004	-0.12	1.878	-322.366	1
3203_3204	3203	3204	-55.444	27.029	-0.017	0.201	-3.166	-580.184	1
3204_3204	3204	3204	-64.702	-1.024	-0.032	-0.063	2.935	-256.615	1
3204_3205	3204	3205	-22.636	-15.889	-0.049	-0.048	1.569	-246.6	1
3205_3205	3205	3205	-72.661	-4.611	-0.021	-0.001	1.979	-333.547	1
3205_3206	3205	3206	-9.125	-11.222	-0.045	-0.006	1.486	-174.229	1
3206_3206	3206	3206	-78.12	-8.152	-0.011	-0.049	1.623	-385.885	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3206_3207	3206	3207	3.559	-7.697	-0.051	-0.038	1.526	-128.452	1
3207_3207	3207	3207	-81.712	-8.465	-0.028	-0.022	1.385	-426.826	1
3207_3208	3207	3208	13.013	-1.464	-0.067	-0.068	2.029	-110.836	1
3208_3208	3208	3208	-85.982	-12.441	-0.022	-0.01	1.033	-471.147	1
3208_3209	3208	3209	11.527	-1.208	-0.066	-0.067	1.533	-104.335	1
3209_3209	3209	3209	-87.972	-16.841	-0.015	-0.066	0.764	-498.6	1
3209_3210	3209	3210	10.831	-1.111	-0.068	-0.08	1	-98.475	1
3210_3210	3210	3210	-87.96	-15.427	-0.022	-0.004	0.587	-509.312	1
3210_3211	3210	3211	8.584	0.845	0.072	0.081	-0.103	-100.511	1
3211_3211	3211	3211	-88.878	-7.714	0.006	0.033	0.333	-526.95	1
3211_3212	3211	3212	8.106	0.845	0.072	0.081	0.329	-103.668	1
3212_3212	3212	3212	-90.558	-11.451	0.013	-0.052	0.363	-535.177	1
3212_3213	3212	3213	7.629	0.845	0.068	0.062	0.738	-106.827	1
3213_3213	3213	3213	-90.297	-15.087	0.017	0.054	0.465	-528.944	1
3213_3214	3213	3214	8.281	0.884	0.073	0.082	1.157	-110.114	1
3214_3214	3214	3214	-88.814	-12.298	0.009	-0.026	0.62	-512.575	1
3214_3215	3214	3215	8.324	1.379	0.068	0.064	1.682	-116.682	1
3215_3215	3215	3215	-89.132	-17.068	0.014	0.047	0.795	-503.16	1
3215_3216	3215	3216	7.759	1.412	0.071	0.08	2.243	-123.694	1
3216_3216	3216	3216	-87.436	-21.474	0.019	0.051	1.042	-476.919	1
3216_3217	3216	3217	3.939	6.872	0.052	0.061	1.733	-134.164	1
3217_3217	3217	3217	-83.419	-21.916	0.002	0.026	1.372	-433.642	1
3217_3218	3217	3218	-9.823	10.878	0.053	0.05	1.602	-177.5	1
3218_3218	3218	3218	-79.986	-25.838	0.007	0.087	1.593	-393.159	1
3218_3219	3218	3219	-24.751	15.855	0.051	0.068	1.49	-243.271	1
3219_3219	3219	3219	-74.503	-29.419	0.025	-0.055	1.941	-332.802	1
3219_3220	3219	3220	-44.342	23.212	0.042	-0.043	1.277	-358.998	1
3220_3220	3220	3220	-6.361	4.341	0.005	0.141	1.308	-161.882	1
3220_3221	3220	3221	-39.646	-5.965	-0.013	0.321	2.806	-491.863	1
3221_3221	3221	3221	-22.571	-0.009	-0.006	-0.009	1.622	-329.069	1
3221_3222	3221	3222	-43.775	-5.726	-0.014	-0.014	2.701	-428.113	1
3222_3222	3222	3222	-42.292	-2.574	0.014	0.238	1.646	-459.219	1
3222_3223	3222	3223	-46.138	-5.199	-0.014	0.245	2.513	-370.349	1
3223_3223	3223	3223	-73.056	-8.253	0.007	-0.108	1.289	-534.722	1
3223_3224	3223	3224	-48.787	-5.132	-0.01	-0.065	1.53	-303.279	1
3224_3224	3224	3224	-90.136	-8.183	-0.005	0.177	1.47	-591.206	1
3224_3225	3224	3225	-45.92	-4.651	-0.005	0.105	1.484	-279.105	1
3225_3225	3225	3225	-95.815	-13.423	-0.007	-0.117	1.559	-680.769	1
3225_3226	3225	3226	-36.351	-4.801	-0.007	-0.046	1.46	-248.968	1
3226_3226	3226	3226	-103.464	-12.973	-0.007	0.163	1.56	-734.704	1
3226_3227	3226	3227	-31.33	-4.481	-0.01	0.053	1.352	-215.543	1
3227_3227	3227	3227	-111.143	-6.695	-0.004	-0.157	1.567	-784.73	1
3227_3228	3227	3228	-26.113	-4.481	-0.01	-0.055	1.228	-182.226	1
3228_3228	3228	3228	-112.032	-17.298	-0.002	0.158	1.49	-790.721	1
3228_3229	3228	3229	-21.529	4.309	0.009	0.072	1.203	-160.562	1
3229_3229	3229	3229	-115.725	-11.158	0.002	-0.175	1.558	-813.281	1
3229_3230	3229	3230	-26.498	4.312	0.008	-0.009	1.297	-192.623	1
3230_3230	3230	3230	-111.358	-9.275	0.007	0.18	1.59	-785.317	1
3230_3231	3230	3231	-31.62	4.524	0.008	0.073	1.391	-226.599	1
3231_3231	3231	3231	-109.851	-16.006	0.005	-0.178	1.662	-775.155	1
3231_3232	3231	3232	-36.854	4.531	0.007	-0.039	1.472	-260.729	1
3232_3232	3232	3232	-101.135	-15.4	-0.009	0.089	1.702	-717.869	1
3232_3233	3232	3233	-40.586	4.961	0.005	0.059	1.508	-284.567	1
3233_3233	3233	3233	-98.009	-19.466	-0.01	0.051	1.583	-695.814	1
3233_3234	3233	3234	-44.148	4.961	0.004	0.038	1.542	-307.308	1
3234_3234	3234	3234	-91.6	-23.413	-0.018	-0.137	2.298	-657.379	1
3234_3235	3234	3235	-46.962	4.849	0.006	-0.072	2.47	-336.606	1
3235_3235	3235	3235	-79.755	-23.826	0.072	0.054	2.068	-596.222	1
3235_3236	3235	3236	-47.771	5.337	0.026	0.048	2.587	-359.069	1
3236_3236	3236	3236	-71.136	-26.677	0.071	-0.024	2.417	-562.517	1
3236_3237	3236	3237	-47.948	5.248	0.025	-0.018	2.719	-380.276	1
3237_3237	3237	3237	-51.374	-28.989	0.106	-0.357	4.263	-581.443	1
3237_3238	3237	3238	-39.103	5.553	0.038	-0.31	4.619	-465.456	1
3238_3238	3238	3238	-35.569	-22.451	-0.079	-0.018	4.986	-487.914	1
3238_3239	3238	3239	-37.53	7.786	-0.059	0.026	4.038	-531.338	1
3239_3239	3239	3239	-24.6	-27.709	-0.073	-0.257	3.754	-435.118	1
3239_3240	3239	3240	-34.437	8.05	-0.06	-0.294	3.298	-604.422	1
3240_3240	3240	3240	-13.768	-19.651	-0.041	-0.07	2.657	-338.251	1
3240_3241	3240	3241	-33.754	11.953	0.071	-0.481	3.806	-675.479	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3241_3241	3241	3241	-83.249	-9.638	0.014	-0.039	4.538	-421.579	1
3241_3242	3241	3242	-9.606	-11.492	0.042	0.127	2.77	-267.838	1
3242_3242	3242	3242	-84.764	-14.404	0.032	-0.291	3.931	-450.852	1
3242_3243	3242	3243	-0.256	-9.97	0.03	-0.062	3.25	-208.072	1
3243_3243	3243	3243	-83.323	-6.918	-0.14	0.031	3.918	-458.679	1
3243_3244	3243	3244	19.062	-3.182	-0.13	-0.067	4.372	-159.739	1
3244_3244	3244	3244	-88.349	-11.108	-0.121	-0.128	2.274	-521.094	1
3244_3245	3244	3245	16.84	-1.499	-0.147	-0.14	3.402	-146.89	1
3245_3245	3245	3245	-91.034	-13.218	-0.03	0.133	0.836	-564.761	1
3245_3246	3245	3246	14.561	-0.949	-0.104	-0.079	2.46	-139.414	1
3246_3246	3246	3246	-93.588	-18.365	-0.006	-0.231	0.45	-602.477	1
3246_3247	3246	3247	14.482	-0.898	-0.121	-0.179	1.303	-133.355	1
3247_3247	3247	3247	-93.31	-19.819	-0.047	0.127	0.408	-611.688	1
3247_3248	3247	3248	10.731	0.879	0.093	0.185	1.548	-134.902	1
3248_3248	3248	3248	-93.053	-25.114	-0.035	-0.182	0.007	-615.141	1
3248_3249	3248	3249	11.417	0.967	0.081	0.104	2.352	-141.579	1
3249_3249	3249	3249	-92.094	-15.899	0.038	0.156	-0.114	-584.339	1
3249_3250	3249	3250	13.02	1.588	0.049	0.176	2.773	-151.265	1
3250_3250	3250	3250	-89.778	-21.25	0.046	-0.086	0.366	-545.535	1
3250_3251	3250	3251	14.771	2.486	0.038	0.093	2.94	-162.74	1
3251_3251	3251	3251	-85.756	-13.186	0.177	0.251	0.861	-489.827	1
3251_3252	3251	3252	2.268	8.006	0.153	0.169	3.143	-201.176	1
3252_3252	3252	3252	-88.735	-17.809	0.222	0.004	2.613	-490.308	1
3252_3253	3252	3253	-9.58	10.444	0.106	0.034	3.282	-253.806	1
3253_3253	3253	3253	-88.943	-22.332	0.246	-0.063	4.707	-462.659	1
3253_3254	3253	3254	-21.224	13.096	0.069	-0.032	2.754	-312.88	1
3254_3254	3254	3254	-86.301	-14.216	-0.239	-0.373	7.162	-422.789	1
3254_3255	3254	3255	-24.567	12.154	-0.041	-0.673	2.619	-339.219	1
3255_3255	3255	3255	-14.047	-3.195	-0.209	0.242	3.653	-319.569	1
3255_3256	3255	3256	-39.6	-7.675	-0.234	0.563	2.622	-582.231	1
3256_3256	3256	3256	-24.018	-7.124	-0.255	-0.031	1.662	-406.593	1
3256_3257	3256	3257	-42.004	-7.442	-0.238	0.057	0.782	-529.157	1
3257_3257	3257	3257	-31.29	-0.539	0.121	0.234	-0.579	-453.621	1
3257_3258	3257	3258	-44.68	-5.811	0.111	0.333	1.862	-478.166	1
3258_3258	3258	3258	-47.145	-3.998	0.123	0.075	0.53	-556.196	1
3258_3259	3258	3259	-45.77	-5.841	0.11	0.11	2.823	-435.917	1
3259_3259	3259	3259	-72.436	-7.069	0.075	-0.13	0.964	-569.585	1
3259_3260	3259	3260	-53.152	-5.607	0.068	-0.092	2.005	-381.986	1
3260_3260	3260	3260	-77.466	-5.421	0.028	0.17	1.186	-587.356	1
3260_3261	3260	3261	-52.144	-5.135	-0.004	0.144	1.964	-353.148	1
3261_3261	3261	3261	-90.676	-8.774	0.032	0.059	1.43	-641.603	1
3261_3262	3261	3262	-48.841	-5.33	-0.006	0.048	1.945	-320.141	1
3262_3262	3262	3262	-105.536	-13.271	0.025	-0.14	1.336	-652.221	1
3262_3263	3262	3263	-46.133	-5.478	-0.005	-0.067	1.396	-275.802	1
3263_3263	3263	3263	-110.012	-11.163	-0.003	0.1	1.586	-680.385	1
3263_3264	3263	3264	-40.477	-4.965	-0.002	0.05	1.368	-243.885	1
3264_3264	3264	3264	-119.038	-16.477	-0.002	-0.049	1.635	-734.588	1
3264_3265	3264	3265	-34.651	-4.954	-0.003	-0.008	1.335	-210.543	1
3265_3265	3265	3265	-122.282	-2.293	0.003	0.155	1.761	-757.415	1
3265_3266	3265	3266	-29.156	-4.71	-0.004	0.034	1.285	-179.329	1
3266_3266	3266	3266	-128.093	-8.457	0.002	-0.103	1.797	-791.15	1
3266_3267	3266	3267	-23.931	-4.688	-0.005	-0.028	1.227	-148.629	1
3267_3267	3267	3267	-126.784	-7.142	0.01	0.111	1.833	-784.692	1
3267_3268	3267	3268	-24.041	4.392	0.011	0.045	1.378	-169.888	1
3268_3268	3268	3268	-126.972	-13.247	0.01	-0.077	1.942	-786.548	1
3268_3269	3268	3269	-29.119	4.392	0.01	0.001	1.492	-198.54	1
3269_3269	3269	3269	-120.218	-12.665	0.002	0.112	2.038	-748.841	1
3269_3270	3269	3270	-34.707	4.661	0.013	0.056	1.638	-230.938	1
3270_3270	3270	3270	-114.654	-18.863	-0.002	-0.122	1.98	-716.87	1
3270_3271	3270	3271	-40.4	4.661	0.011	-0.025	1.769	-263.066	1
3271_3271	3271	3271	-103.13	-20.343	0.018	0.13	1.852	-649.907	1
3271_3272	3271	3272	-43.927	5.028	-0.011	0.096	1.691	-282.955	1
3272_3272	3272	3272	-90.607	-23.814	0.02	-0.019	2.541	-669.558	1
3272_3273	3272	3273	-43.985	5.009	-0.017	0.014	2.098	-339.799	1
3273_3273	3273	3273	-77.477	-28.045	0.014	-0.258	2.537	-602.818	1
3273_3274	3273	3274	-44.751	4.929	-0.018	-0.147	1.943	-369.834	1
3274_3274	3274	3274	-62.711	-19.46	-0.099	0.097	2.452	-535.341	1
3274_3275	3274	3275	-45.167	6.915	-0.083	0.103	1.758	-381.751	1
3275_3275	3275	3275	-51.727	-20.529	-0.155	0.001	3.401	-583.3	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3275_3276	3275	3276	-38.673	7.274	-0.13	0.055	1.624	-467.885	1
3276_3276	3276	3276	-41.846	-24.909	-0.144	-0.276	1.761	-550.72	1
3276_3277	3276	3277	-37.105	7.419	-0.132	-0.207	0.46	-521.025	1
3277_3277	3277	3277	-30.731	-20.608	0.106	-0.427	0.307	-492.469	1
3277_3278	3277	3278	-35.387	10.094	0.193	-0.284	2.481	-605.39	1
3278_3278	3278	3278	-20.673	-25.579	0.096	-0.644	1.079	-447.003	1
3278_3279	3278	3279	-32.458	10.455	0.188	-0.675	4.245	-689.006	1
3279_3279	3279	3279	-92.013	-16.012	-0.052	1.554	3.105	-486.514	1
3279_3280	3279	3280	-13.931	-11.477	0.015	0.247	2.047	-302.078	1
3280_3280	3280	3280	-90.478	-9.245	-0.021	0.202	2.681	-483.461	1
3280_3281	3280	3281	-4.74	-9.633	-0.015	0.117	2.44	-258.885	1
3281_3281	3281	3281	-92.39	-12.084	0	-0.039	2.052	-500.433	1
3281_3282	3281	3282	5.99	-7.646	-0.03	-0.032	2.514	-195.439	1
3282_3282	3282	3282	-92.714	-16.985	0.019	-0.255	1.776	-521.978	1
3282_3283	3282	3283	15.426	-6.475	-0.051	-0.134	2.543	-155.788	1
3283_3283	3283	3283	-78.924	-14.152	-0.297	0.179	5.25	-563.597	1
3283_3284	3283	3284	28.868	-3.585	-0.487	-0.012	4.251	-154.427	1
3284_3284	3284	3284	-77.084	-20.818	-0.199	-0.338	1.25	-578.644	1
3284_3285	3284	3285	28.215	-3.159	-0.542	-0.175	-2.132	-125.259	1
3285_3285	3285	3285	-72.094	-16.907	0.023	0.191	-0.657	-547.574	1
3285_3286	3285	3286	19.844	1.707	0.027	0.195	2.714	-138.971	1
3286_3286	3286	3286	-74.683	-12.639	0.04	-0.322	0.624	-564.491	1
3286_3287	3286	3287	20.133	1.86	-0.024	0.033	2.484	-152.589	1
3287_3287	3287	3287	-74.805	-9.01	0.027	0.242	1.202	-541.797	1
3287_3288	3287	3288	21.071	3.577	0.2	0.187	4.564	-179.465	1
3288_3288	3288	3288	-79.906	-15.728	0.085	-0.214	1.888	-558.602	1
3288_3289	3288	3289	17.836	6.07	0.143	0.011	5.213	-213.596	1
3289_3289	3289	3289	-81.884	-12.386	-0.013	0.301	3.475	-535.378	1
3289_3290	3289	3290	7.652	8.172	0.063	0.239	4.655	-259.82	1
3290_3290	3290	3290	-86.442	-16.952	0.032	0.031	3.951	-548.568	1
3290_3291	3290	3291	-1.996	9.752	0.049	0.07	4.176	-309.914	1
3291_3291	3291	3291	-88.381	-21.142	0.082	-0.231	4.995	-545.071	1
3291_3292	3291	3292	-9.932	11.507	0.041	-0.113	3.886	-376.771	1
3292_3292	3292	3292	-88.924	-16.066	-0.256	0.667	6.472	-518.471	1
3292_3293	3292	3293	-11.972	12.054	-0.086	-0.438	3.67	-399.066	1
3293_3293	3293	3293	-15.661	-4.022	-0.012	0.13	1.938	-405.669	1
3293_3294	3293	3294	-36.216	-8.341	-0.034	0.576	3.267	-731.285	1
3294_3294	3294	3294	-23.794	-7.487	-0.078	-0.412	1.987	-505.851	1
3294_3295	3294	3295	-38.155	-8.362	-0.036	-0.41	3.021	-658.04	1
3295_3295	3295	3295	-32.854	-3.036	-0.011	0.525	0.63	-594.914	1
3295_3296	3295	3296	-39.738	-6.158	-0.059	0.636	2.317	-598.126	1
3296_3296	3296	3296	-47.03	6.633	0.026	-0.144	-0.006	-740.766	1
3296_3297	3296	3297	-39.5	-6.142	-0.062	-0.109	1.903	-555.121	1
3297_3297	3297	3297	-67.328	2.257	0.016	-0.446	0.222	-769.907	1
3297_3298	3297	3298	-45.02	-6.133	-0.042	-0.346	1.104	-493.799	1
3298_3298	3298	3298	-71.915	6.991	0.059	0.344	0.346	-805.109	1
3298_3299	3298	3299	-42.655	-4.889	0.028	0.21	1.322	-465.386	1
3299_3299	3299	3299	-81.193	2.607	0.055	0.01	0.929	-897.894	1
3299_3300	3299	3300	-40.266	-4.916	0.027	0.023	1.525	-440.028	1
3300_3300	3300	3300	-74.62	-1.387	0.075	-0.513	2.134	-1033.535	1
3300_3301	3300	3301	-32.653	-4.887	0.041	-0.221	2.647	-446.627	1
3301_3301	3301	3301	-78.256	3.272	-0.059	0.685	2.655	-1081.843	1
3301_3302	3301	3302	-29.922	-4.107	-0.037	0.284	2.203	-410.006	1
3302_3302	3302	3302	-86.29	-3.164	-0.059	-0.582	1.915	-1188.475	1
3302_3303	3302	3303	-27.149	-4.107	-0.038	-0.172	1.736	-373.104	1
3303_3303	3303	3303	-89.747	-0.216	-0.017	0.559	1.193	-1234.181	1
3303_3304	3303	3304	-24.568	-3.633	-0.018	0.162	1.503	-338.769	1
3304_3304	3304	3304	-94.855	-6.9	-0.019	-0.549	0.936	-1301.9	1
3304_3305	3304	3305	-22.364	-3.603	-0.019	-0.137	1.296	-308.213	1
3305_3305	3305	3305	-95.154	-2.828	-0.023	0.662	0.662	-1305.713	1
3305_3306	3305	3306	-19.922	-3.333	-0.021	0.128	1.019	-275.718	1
3306_3306	3306	3306	-98.281	-24.007	-0.027	-0.773	0.399	-1347.462	1
3306_3307	3306	3307	-17.883	-3.333	-0.022	-0.171	0.777	-248.592	1
3307_3307	3307	3307	-96.844	-19.683	-0.022	0.532	0.055	-1328.195	1
3307_3308	3307	3308	-15.682	-3.196	-0.03	0.068	0.398	-218.994	1
3308_3308	3308	3308	-97.882	-25.86	-0.024	-0.677	-0.277	-1341.834	1
3308_3309	3308	3309	-13.61	-3.196	-0.031	-0.146	0.033	-191.429	1
3309_3309	3309	3309	-94.287	-21.83	-0.028	0.469	-0.592	-1293.722	1
3309_3310	3309	3310	-11.529	-3.167	-0.029	0.014	-0.313	-163.737	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3310_3310	3310	3310	-92.954	-27.853	-0.032	-0.534	-0.964	-1275.382	1
3310_3311	3310	3311	-9.352	-3.167	-0.03	-0.126	-0.684	-134.764	1
3311_3311	3311	3311	-86.252	-25.424	-0.01	0.394	-1.439	-1184.97	1
3311_3312	3311	3312	-7.157	-3.276	-0.085	-0.026	-1.709	-105.539	1
3312_3312	3312	3312	-80.1	-32.332	0.015	-0.541	-1.287	-1100.981	1
3312_3313	3312	3313	-5.072	-3.261	-0.086	-0.123	-2.77	-76.307	1
3313_3313	3313	3313	-66.955	-32.637	-0.071	0.16	-0.555	-922.566	1
3313_3314	3313	3314	-3.051	-3.176	0.086	-0.045	-1.694	-46.094	1
3314_3314	3314	3314	-49.972	-45.835	-0.076	-0.554	-1.288	-694.097	1
3314_3315	3314	3315	-1.809	-2.644	0.04	-0.08	-1.549	-17.986	1
3315_3315	3315	3315	-23.057	-56.455	0.219	0.386	-1.792	-328.627	1
3315_3316	3315	3316	-4.394	20.281	-0.243	-0.171	0	-19.491	1
3400_3020	3400	3020	25.861	-16.455	-2.276	0.035	-3.594	-428.788	1
3400_3401	3400	3401	-33.886	-0.958	1.09	0.043	-23.919	-125.433	1
3401_3401	3401	3401	25.091	-13.651	0.707	0.224	-11.898	-361.673	1
3401_3402	3401	3402	-35.65	-0.868	1.629	-0.236	-18.29	-122.026	1
3402_3402	3402	3402	25.413	-13.045	0.668	-0.115	-9.589	-314.062	1
3402_3403	3402	3403	-39.512	-1.474	1.765	-0.013	0.025	-103.98	1
3403_3403	3403	3403	23.164	-10.117	0.102	-0.021	-2.291	-172.329	1
3403_3404	3403	3404	-44.045	-2.354	0.002	-0.056	-0.388	-85.603	1
3404_3404	3404	3404	23.389	-9.586	0.086	-0.065	-1.585	-99.444	1
3404_3405	3404	3405	-49.443	-2.533	0.048	-0.11	-0.158	-63.062	1
3405_3405	3405	3405	25.341	-7.257	0.08	-0.046	-1.069	-30.644	1
3405_3406	3405	3406	-19.493	6.181	-0.014	-0.006	0.188	-93.906	1
3406_3406	3406	3406	30.245	5.66	0.73	0.171	-0.218	-16.744	1
3406_3407	3406	3407	-19.246	6.195	0.018	0.105	0.149	-145.468	1
3407_3407	3407	3407	38.81	7.202	0.644	-0.074	6.104	-71.628	1
3407_3408	3407	3408	-19.503	5.907	0.07	-0.168	0.598	-177.922	1
3408_3408	3408	3408	43.076	-1.512	-1.896	0.509	10.391	-112.196	1
3408_3409	3408	3409	-17.872	9.85	-0.073	0.062	0.638	-207.648	1
3409_3409	3409	3409	41.274	1.859	-1.717	-0.449	4.936	-107.917	1
3409_3410	3409	3410	-17.841	-9.761	-0.054	-0.06	0.475	-178.078	1
3410_3410	3410	3410	44.691	-7.057	0.077	0.199	-0.655	-114.132	1
3410_3411	3410	3411	-19.529	-5.599	-0.007	0.228	-0.282	-146.604	1
3411_3411	3411	3411	42.819	-6.015	-0.073	0.015	0.141	-75.084	1
3411_3412	3411	3412	-21.624	-5.094	0.125	-0.099	0.26	-96.256	1
3412_3412	3412	3412	37.797	-4.318	-0.015	0.067	-0.397	-23.069	1
3412_3413	3412	3413	-49.275	2.505	-0.085	0.085	-0.426	-56.377	1
3413_3413	3413	3413	25.49	9.184	-0.048	0.124	-1.072	-29.519	1
3413_3414	3413	3414	-55.066	3.268	-0.09	-0.005	0.061	-72.344	1
3414_3414	3414	3414	22.752	9.889	-0.09	-0.047	-1.321	-96.749	1
3414_3415	3414	3415	-52.804	2.12	0.016	-0.153	0.183	-87.162	1
3415_3415	3415	3415	22.797	12.745	-0.542	0.004	-2.038	-168.023	1
3415_3416	3415	3416	-52.223	1.102	2.19	0.071	23.794	-98.078	1
3416_3416	3416	3416	23.085	13.321	-0.578	0.096	-8.25	-307.319	1
3416_3417	3416	3417	-52.234	-0.136	2.207	-0.526	31.487	-97.603	1
3417_3417	3417	3417	23.021	15.977	2.564	-0.036	-10.541	-353.723	1
3417_3036	3417	3036	-50.17	-0.068	0.669	0.068	34.688	-97.309	1
3420_3056	3420	3056	25.999	-15.24	-2.712	0.033	0.367	-380.303	1
3420_3421	3420	3421	-31.072	-0.087	0.817	0.045	-19.603	-86.98	1
3421_3421	3421	3421	23.93	-12.436	0.58	-0.041	-9.093	-318.781	1
3421_3422	3421	3422	-31.712	-0.098	1.426	-0.284	-14.222	-86.604	1
3422_3422	3422	3422	24.219	-11.865	0.568	-0.025	-7.115	-275.426	1
3422_3423	3422	3423	-35.777	-0.598	1.545	0.009	1.574	-78.682	1
3423_3423	3423	3423	23.506	-8.975	0.035	-0.005	-0.927	-145.98	1
3423_3424	3423	3424	-40.122	-1.389	-0.117	-0.039	0.419	-67.683	1
3424_3424	3424	3424	23.705	-8.436	0.014	-0.072	-0.702	-81.339	1
3424_3425	3424	3425	-45.653	-1.555	-0.07	-0.112	-0.151	-53.032	1
3425_3425	3425	3425	24.485	-6.275	0.057	-0.037	-0.647	-20.529	1
3425_3426	3425	3426	-20.787	5.534	-0.003	-0.005	0.184	-84.143	1
3426_3426	3426	3426	32.246	4.463	0.302	-0.038	-0.634	-15.66	1
3426_3427	3426	3427	-20.586	5.14	0.043	0.033	0.356	-128.022	1
3427_3427	3427	3427	40.467	5.88	0.121	-0.113	0.786	-58.523	1
3427_3428	3427	3428	-20.647	4.823	0.073	-0.053	0.867	-154.79	1
3428_3428	3428	3428	40.685	-2.683	1.292	0.477	0.685	-91.528	1
3428_3429	3428	3429	-19.322	9.108	-0.008	0.072	0.859	-182.307	1
3429_3429	3429	3429	38.755	1.913	1.719	-0.607	4.961	-84.099	1
3429_3430	3429	3430	-19.331	-9.073	0.013	-0.079	0.894	-154.911	1
3430_3430	3430	3430	38.546	-6.201	-0.728	-0.061	9.34	-90.11	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3430_3431	3430	3431	-20.7	-4.701	-0.024	-0.095	0.641	-128.249	1
3431_3431	3431	3431	36.89	-5.315	-0.692	-0.101	5.384	-56.052	1
3431_3432	3431	3432	-21.527	-4.621	0.017	0.068	0.23	-84.384	1
3432_3432	3432	3432	31.516	-3.135	-0.017	0.062	-0.298	-14.5	1
3432_3433	3432	3433	-46.999	3.258	-0.088	0.083	-0.394	-53.711	1
3433_3433	3433	3433	24.33	8.379	-0.03	-0.006	-0.417	-19.987	1
3433_3434	3433	3434	-41.421	2.436	0.125	0.055	0.793	-69.663	1
3434_3434	3434	3434	23.653	8.952	-0.011	0.086	-0.661	-80.493	1
3434_3435	3434	3435	-36.756	1.819	0.086	0.102	1.39	-81.664	1
3435_3435	3435	3435	23.837	11.817	-0.586	0.108	-0.674	-145.042	1
3435_3436	3435	3436	-32.242	0.998	-1.564	0.016	-15.378	-91.374	1
3436_3436	3436	3436	24.099	12.439	-0.647	-0.226	-7.16	-274.245	1
3436_3437	3436	3437	-30.331	0.338	-1.452	0.209	-19.827	-92.201	1
3437_3437	3437	3437	24.053	14.977	2.761	-0.041	-9.91	-317.725	1
3437_3072	3437	3072	-30.385	0.277	-0.663	-0.052	-23.296	-93.337	1
3440_3094	3440	3094	26.085	-15.027	-2.83	0.033	2.526	-368.755	1
3440_3441	3440	3441	-28.911	-0.217	0.865	0.044	-14.292	-85.181	1
3441_3441	3441	3441	24.053	-12.166	0.503	-0.131	-7.663	-307.846	1
3441_3442	3441	3442	-30.094	-0.175	1.089	-0.261	-10.416	-84.484	1
3442_3442	3442	3442	24.34	-11.579	0.502	-0.005	-5.913	-265.393	1
3442_3443	3442	3443	-34.653	-0.602	1.206	-0.011	1.581	-75.926	1
3443_3443	3443	3443	23.621	-8.668	0.009	-0.061	-0.524	-139.155	1
3443_3444	3443	3444	-38.13	-1.365	-0.086	-0.091	0.576	-65.132	1
3444_3444	3444	3444	23.816	-8.117	0.013	-0.036	-0.454	-76.665	1
3444_3445	3444	3445	-43.376	-1.489	-0.095	-0.089	-0.103	-50.908	1
3445_3445	3445	3445	24.644	-5.974	0.028	-0.046	-0.402	-18.174	1
3445_3446	3445	3446	-20.635	5.289	0.02	-0.005	0.36	-81.214	1
3446_3446	3446	3446	30.583	4.277	0.178	-0.091	-0.416	-15.226	1
3446_3447	3446	3447	-20.606	4.878	-0.061	-0.05	-0.408	-122.955	1
3447_3447	3447	3447	37.242	5.525	0.11	-0.062	0.342	-56.17	1
3447_3448	3447	3448	-20.716	4.548	-0.066	0.086	-0.618	-148.194	1
3448_3448	3448	3448	38.998	-2.557	1.221	0.699	0.021	-87.513	1
3448_3449	3448	3449	-19.455	8.867	0.029	-0.113	-0.621	-174.948	1
3449_3449	3449	3449	36.138	1.68	1.901	-0.826	4.082	-80.545	1
3449_3450	3449	3450	-19.485	-8.832	-0.065	0.118	-0.85	-148.286	1
3450_3450	3450	3450	37.264	-5.985	-0.695	-0.05	8.958	-86.102	1
3450_3451	3450	3451	-20.811	-4.45	0.086	-0.032	-0.498	-122.99	1
3451_3451	3451	3451	34.699	-5.085	-0.689	-0.135	5.138	-53.372	1
3451_3452	3451	3452	-21.737	-4.382	0.154	0.034	0.306	-81.35	1
3452_3452	3452	3452	30.806	-3.104	-0.045	0.069	0.122	-14.392	1
3452_3453	3452	3453	-45.902	3.173	-0.112	0.101	-0.439	-53.459	1
3453_3453	3453	3453	-11.783	1.44	0.043	0.048	-0.076	-19.766	1
3453_3454	3453	3454	-40.326	2.366	0.092	0.11	0.573	-68.737	1
3454_3454	3454	3454	23.045	8.65	-0.015	0.045	-0.429	-77.18	1
3454_3455	3454	3455	-37.167	1.688	0.099	0.082	1.296	-80.235	1
3455_3455	3455	3455	23.193	11.513	-0.466	0.061	-0.46	-139.579	1
3455_3456	3455	3456	-32.484	0.912	-1.183	0.034	-11.248	-89.14	1
3456_3456	3456	3456	23.426	12.114	-0.501	-0.055	-5.631	-265.436	1
3456_3457	3456	3457	-30.882	0.24	-1.115	0.212	-14.727	-89.759	1
3457_3457	3457	3457	23.348	14.742	2.941	-0.025	-8.048	-307.704	1
3457_3110	3457	3110	-29.537	0.252	-0.987	-0.05	-18.939	-90.505	1
3460_3132	3460	3132	28.014	-16.671	-2.701	0.03	5.802	-393.173	1
3460_3461	3460	3461	-18.974	-0.346	0.492	0.02	-8.869	-77.055	1
3461_3461	3461	3461	25.11	-12.405	0.312	-0.304	-6.005	-312.211	1
3461_3462	3461	3462	-54.228	1.715	-0.976	0.204	10.798	-77.25	1
3462_3462	3462	3462	25.4	-11.799	0.332	0.06	-4.85	-268.944	1
3462_3463	3462	3463	-58.663	0.603	-1.05	0.014	-0.327	-82.7	1
3463_3463	3463	3463	25.268	-9.082	0.014	-0.044	-0.577	-140.381	1
3463_3464	3463	3464	-61.626	-0.527	0.032	0.07	0.35	-77.777	1
3464_3464	3464	3464	25.472	-8.492	0.016	-0.026	-0.474	-74.924	1
3464_3465	3464	3465	-66.496	-1.648	0.017	0.071	0.519	-64.635	1
3465_3465	3465	3465	-18.383	-1.77	0.013	0.017	0.164	-23.976	1
3465_3466	3465	3466	-18.946	6.345	-0.007	0.016	0.151	-83.773	1
3466_3466	3466	3466	17.721	4.057	0.021	0.053	-0.128	-32.282	1
3466_3467	3466	3467	-20.451	5.556	0.015	0.021	0.259	-132.85	1
3467_3467	3467	3467	23.222	4.937	-0.032	0.054	-0.33	-70.444	1
3467_3468	3467	3468	-20.561	5.134	0.018	-0.005	0.349	-161.384	1
3468_3468	3468	3468	26.459	-0.444	-0.182	0.201	-0.665	-98.334	1
3468_3469	3468	3469	-20.922	9.829	-0.039	0.065	0.062	-190.78	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3469_3469	3469	3469	34.119	0.798	0.442	-0.439	-0.925	-113.106	1
3469_3470	3469	3470	-20.775	-9.986	0.102	-0.08	0.187	-163.146	1
3470_3470	3470	3470	33.636	-6.434	-0.027	-0.077	0.09	-115.789	1
3470_3471	3470	3471	-21.926	-5.326	0.007	-0.025	0.042	-133.547	1
3471_3471	3471	3471	32.699	-5.693	-0.031	-0.063	0.011	-80.148	1
3471_3472	3471	3472	-20.407	-5.621	-0.012	0.001	0.058	-82.785	1
3472_3472	3472	3472	26.937	-4.347	0.047	-0.066	-0.463	-30.814	1
3472_3473	3472	3473	-58.516	2.42	0.016	-0.06	0.515	-57.458	1
3473_3473	3473	3473	-17.711	0.621	-0.049	-0.014	0.147	-22.674	1
3473_3474	3473	3474	-57.343	1.231	-0.099	-0.051	-0.206	-65.359	1
3474_3474	3474	3474	24.313	9.58	-0.026	0.044	-0.543	-84.636	1
3474_3475	3474	3475	-32.996	2.664	0.065	0.059	0.857	-80.32	1
3475_3475	3475	3475	23.828	12.492	-0.349	-0.167	-0.717	-153.704	1
3475_3476	3475	3476	-29.92	1.876	-0.822	-0.051	-7.892	-100.234	1
3476_3476	3476	3476	24.155	13.127	-0.308	0.656	-4.827	-290.574	1
3476_3477	3476	3477	-28.83	1.235	-0.87	0.379	-10.752	-104.491	1
3477_3477	3477	3477	26.435	16.067	3.061	-0.022	-6.708	-336.744	1
3477_3148	3477	3148	-27.397	1.262	-0.262	-0.036	-11.75	-109.424	1
3480_3168	3480	3168	28.523	-16.441	-2.653	0.047	4.887	-413.39	1
3480_3481	3480	3481	-24.746	-0.877	0.21	0.035	-9.318	-83.404	1
3481_3481	3481	3481	25.935	-13.517	0.298	-0.399	-5.271	-346.115	1
3481_3482	3481	3482	-26.604	-0.783	0.754	-0.246	-6.791	-80.511	1
3482_3482	3482	3482	26.251	-12.891	0.328	0.1	-4.124	-298.964	1
3482_3483	3482	3483	-61.031	1.202	-0.809	0.017	-0.906	-72.076	1
3483_3483	3483	3483	26.088	-9.925	0.01	-0.045	-0.53	-158.374	1
3483_3484	3483	3484	-62.255	0.106	0.094	0.044	-0.127	-71.534	1
3484_3484	3484	3484	26.316	-9.304	0.013	-0.023	-0.453	-86.833	1
3484_3485	3484	3485	-67.335	-0.981	0.08	0.059	0.49	-62.353	1
3485_3485	3485	3485	-19.518	-1.411	0.011	0.009	0.135	-26.481	1
3485_3486	3485	3486	-20.265	6.858	-0.007	0.013	0.153	-87.568	1
3486_3486	3486	3486	25.805	4.707	0.111	0.063	-0.318	-27.4	1
3486_3487	3486	3487	-22.595	6.061	0.009	0.023	0.243	-140.818	1
3487_3487	3487	3487	31.301	5.725	0.057	0.049	0.277	-71.259	1
3487_3488	3487	3488	-22.814	5.598	0.011	-0.003	0.287	-171.92	1
3488_3488	3488	3488	34.235	-1.348	-0.365	0.392	0.542	-103.368	1
3488_3489	3488	3489	-22.521	10.651	-0.175	0.1	-0.236	-203.865	1
3489_3489	3489	3489	27.222	0.262	0.515	-0.273	-1.678	-105.957	1
3489_3490	3489	3490	-22.329	-10.591	0.112	-0.073	0.144	-173.13	1
3490_3490	3490	3490	28.829	-5.629	0.02	-0.066	-0.471	-107.481	1
3490_3491	3490	3491	-23.34	-5.58	-0.012	-0.021	0.131	-142.103	1
3491_3491	3491	3491	25.814	-4.889	-0.001	-0.045	-0.164	-76.623	1
3491_3492	3491	3492	-21.911	-5.958	-0.03	0.002	-0.026	-88.649	1
3492_3492	3492	3492	19.548	-3.698	0.036	-0.044	-0.342	-34.49	1
3492_3493	3492	3493	-66.74	2.586	0.012	-0.056	0.512	-63.229	1
3493_3493	3493	3493	-17.694	0.793	-0.071	-0.021	0.205	-20.021	1
3493_3494	3493	3494	-64.774	1.33	-0.107	-0.049	-0.274	-71.393	1
3494_3494	3494	3494	27.245	10.046	-0.031	0.039	-0.619	-86.59	1
3494_3495	3494	3495	-60.082	0.141	-0.106	-0.047	-1.073	-71.303	1
3495_3495	3495	3495	26.761	12.997	-0.306	0.1	-0.875	-158.891	1
3495_3496	3495	3496	-23.083	1.785	-0.605	0.032	-5.786	-81.927	1
3496_3496	3496	3496	27.159	13.704	-0.347	-0.199	-4.201	-301.213	1
3496_3497	3496	3497	-21.208	1.354	-0.534	0.053	-7.204	-86.265	1
3497_3497	3497	3497	29.79	16.606	2.665	-0.029	-6.369	-349.083	1
3497_3184	3497	3184	-21.255	1.332	-0.363	-0.025	-8.97	-91.718	1
3500_3204	3500	3204	26.145	-16.382	-2.103	0.053	2.232	-433.557	1
3500_3501	3500	3501	-30.731	0.116	0.996	0.069	-14.648	-76.896	1
3501_3501	3501	3501	26.205	-13.869	0.358	0.264	-5.803	-366.486	1
3501_3502	3501	3502	-54.305	0.977	-1.276	0.392	12.221	-79.781	1
3502_3502	3502	3502	26.531	-13.236	0.323	-0.11	-4.689	-318.102	1
3502_3503	3502	3503	-59.658	-0.054	-1.231	-0.022	-0.771	-78.005	1
3503_3503	3503	3503	25.471	-10.382	0.045	0.008	-1.147	-173.726	1
3503_3504	3503	3504	-59.285	-1.142	0.046	0.131	-0.214	-69.086	1
3504_3504	3504	3504	25.706	-9.787	0.017	-0.099	-0.868	-98.892	1
3504_3505	3504	3505	-49.396	-0.817	-0.007	-0.122	0.055	-53.87	1
3505_3505	3505	3505	26.243	-7.562	0.053	-0.046	-0.775	-28.449	1
3505_3506	3505	3506	-21.482	6.706	0.002	-0.005	0.393	-100.292	1
3506_3506	3506	3506	32.667	4.504	0.136	-0.061	-0.34	-14.496	1
3506_3507	3506	3507	-21.282	6.372	0.045	0.016	0.639	-154.199	1
3507_3507	3507	3507	43.16	6.286	-0.022	-0.089	-0.391	-60.139	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3507_3508	3507	3508	-21.386	6.073	0.073	-0.018	1.229	-187.614	1
3508_3508	3508	3508	44.871	-3.01	1.781	0.607	-1.618	-96.131	1
3508_3509	3508	3509	-19.713	10.413	-0.02	0.185	1.279	-219.1	1
3509_3509	3509	3509	43.171	2.439	1.859	-0.67	3.976	-87.662	1
3509_3510	3509	3510	-19.714	-10.441	0	-0.175	1.278	-187.44	1
3510_3510	3510	3510	42.34	-6.578	-0.656	-0.028	8.803	-95.24	1
3510_3511	3510	3511	-21.448	-6.058	-0.063	-0.003	0.607	-153.751	1
3511_3511	3511	3511	38.79	-5.52	-0.666	-0.123	5.293	-59.107	1
3511_3512	3511	3512	-22.384	-5.693	0.024	0.032	0.078	-99.482	1
3512_3512	3512	3512	27.206	-3.553	0.072	-0.073	-0.754	-12.099	1
3512_3513	3512	3513	-50.459	3.263	-0.083	0.09	-0.448	-56.448	1
3513_3513	3513	3513	28.534	9.81	-0.044	0.048	-0.78	-29.316	1
3513_3514	3513	3514	-44.844	2.428	0.047	0.094	0.136	-72.078	1
3514_3514	3514	3514	25.618	10.558	-0.051	0.055	-1.089	-100.98	1
3514_3515	3514	3515	-39.712	1.796	0.051	0.081	0.527	-83.731	1
3515_3515	3515	3515	26.065	13.385	-0.285	0.05	-1.464	-177.088	1
3515_3516	3515	3516	-34.651	0.897	-1.032	0.025	-10.495	-92.21	1
3516_3516	3516	3516	26.378	14.049	-0.31	0.03	-4.7	-323.493	1
3516_3517	3516	3517	-33.403	0.153	-0.994	0.232	-13.682	-92.574	1
3517_3517	3517	3517	26.231	16.435	2.259	-0.07	-5.61	-372.5	1
3517_3220	3517	3220	-31.203	0.241	-1.063	-0.046	-17.522	-93.24	1
3520_3241	3520	3241	35.836	-17.279	-0.514	-0.113	-7.521	-473.121	1
3520_3521	3520	3521	-36.573	-0.062	0.112	0.418	-14.581	-91.249	1
3521_3521	3521	3521	35.61	-15.246	0.911	0.629	-9.608	-402.113	1
3521_3522	3521	3522	-38.363	0.054	1.041	-0.087	-11.1	-91.225	1
3522_3522	3522	3522	35.769	-14.393	0.823	-0.093	-6.586	-348.995	1
3522_3523	3522	3523	-61.967	0.142	-1.693	-0.045	0.977	-85.185	1
3523_3523	3523	3523	35.836	-11.512	-0.076	0.199	2.133	-191.64	1
3523_3524	3523	3524	-62.844	-1.121	-0.131	0.235	0.258	-75.306	1
3524_3524	3524	3524	36.098	-10.663	-0.183	-0.197	1.46	-108.628	1
3524_3525	3524	3525	-56.148	-0.904	0.136	-0.18	1.176	-59.908	1
3525_3525	3525	3525	38.104	-7.985	-0.131	-0.054	-0.013	-31.984	1
3525_3526	3525	3526	-31.013	6.853	0.124	0.014	2.415	-110.072	1
3526_3526	3526	3526	34.822	4.837	-0.236	-0.023	0.022	-14.264	1
3526_3527	3526	3527	-29.916	6.62	-0.118	0.214	1.265	-165.581	1
3527_3527	3527	3527	48.343	7.054	-0.689	-0.101	-5.259	-64.417	1
3527_3528	3527	3528	-30.041	6.136	0.014	-0.221	1.736	-199.45	1
3528_3528	3528	3528	48.092	-3.183	1.273	-0.592	-10.229	-103.759	1
3528_3529	3528	3529	-27.846	12.432	-0.541	0.302	1.633	-236.687	1
3529_3529	3529	3529	45.94	2.516	0.668	0.488	-5.715	-94.857	1
3529_3530	3529	3530	-27.777	-12.066	-0.429	-0.1	0.292	-200.208	1
3530_3530	3530	3530	45.026	-7.058	0.352	-0.016	-4.44	-102.839	1
3530_3531	3530	3531	-29.704	-5.87	-0.289	0.318	-0.829	-166.943	1
3531_3531	3531	3531	43.179	-6.006	0.193	-0.122	-2.059	-63.982	1
3531_3532	3531	3532	-30.975	-5.485	-0.397	-0.067	-2.678	-111.95	1
3532_3532	3532	3532	33.135	-4.024	0.095	-0.095	-0.3	-12.88	1
3532_3533	3532	3533	-68.245	3.857	-0.073	-0.089	-1.188	-64.371	1
3533_3533	3533	3533	-14.689	1.517	-0.04	0.061	-0.676	-24.218	1
3533_3534	3533	3534	-68.516	2.212	-0.046	-0.063	-1.2	-78.942	1
3534_3534	3534	3534	36.833	10.931	-0.218	0.047	-1.789	-95.42	1
3534_3535	3534	3535	-44.195	1.808	-0.028	0.113	-1.812	-89.677	1
3535_3535	3535	3535	36.066	13.367	-0.391	0.359	-3.215	-174.159	1
3535_3536	3535	3536	-38.453	0.752	-0.996	0.118	-12.504	-96.488	1
3536_3536	3536	3536	36.681	14.312	-0.548	-0.725	-7.433	-320.442	1
3536_3537	3536	3537	-36.22	-0.033	-0.81	0.031	-14.729	-95.973	1
3537_3537	3537	3537	37.645	18.943	0.286	0.227	-10.386	-370.649	1
3537_3255	3537	3255	-33.481	-2.169	-0.827	-0.309	-18.789	-83.411	1
3540_3279	3540	3279	41.068	-18.632	1.58	1.137	-0.319	-489.574	1
3540_3541	3540	3541	-57.813	3.816	-0.713	-0.826	10.177	-88.639	1
3541_3541	3541	3541	41.184	-14.818	0.009	0.718	7.355	-396.923	1
3541_3542	3541	3542	-60.172	1.231	-0.735	0.38	7.606	-91.973	1
3542_3542	3542	3542	41.522	-13.844	-0.049	0.012	7.245	-345.309	1
3542_3543	3542	3543	-65.334	0.146	-0.611	0.064	0.498	-91.591	1
3543_3543	3543	3543	41.392	-11.379	-0.308	0.139	6.261	-193.758	1
3543_3544	3543	3544	-64.465	-1.483	-0.059	0.165	0.396	-80.261	1
3544_3544	3544	3544	41.644	-10.415	-0.352	-0.085	4	-111.778	1
3544_3545	3544	3545	-53.973	0.313	0.066	-0.075	2.383	-63.12	1
3545_3545	3545	3545	42.08	-8.132	-0.333	-0.072	1.21	-36.927	1
3545_3546	3545	3546	-33.998	6.357	0.218	0.059	4.102	-112.998	1

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3546_3546	3546	3546	41.011	5.794	-1.214	-0.05	-0.604	-16.245	1
3546_3547	3546	3547	-32.518	6.466	-0.457	0.273	-0.008	-165.22	1
3547_3547	3547	3547	52.734	7.951	-1.66	0.067	-14.486	-74.072	1
3547_3548	3547	3548	-32.708	6.056	-0.183	-0.139	0.597	-198.097	1
3548_3548	3548	3548	53.083	-3.695	1.674	-2.554	-25.803	-117.944	1
3548_3549	3548	3549	-30.641	12.961	-0.589	0.283	0.538	-236.946	1
3549_3549	3549	3549	49.243	2.075	0.187	2.61	-19.716	-109.519	1
3549_3550	3549	3550	-30.775	-12.582	-0.563	0.128	-0.685	-199.374	1
3550_3550	3550	3550	46.902	-8.232	1.364	-0.097	-19.608	-115.753	1
3550_3551	3550	3551	-32.853	-5.371	-0.53	0.462	-1.301	-167.528	1
3551_3551	3551	3551	45.255	-7.049	1.159	-0.056	-11.462	-69.458	1
3551_3552	3551	3552	-34.939	-4.715	-0.871	-0.062	-4.653	-120.317	1
3552_3552	3552	3552	30.625	-4.458	0.263	-0.11	-1.327	-13.552	1
3552_3553	3552	3553	-58.305	2.875	-0.251	0.168	-3.878	-80.832	1
3553_3553	3553	3553	-15.182	1.837	-0.112	0.112	-1.466	-28.562	1
3553_3554	3553	3554	-53.151	3.042	-0.223	0.248	-5.195	-97.512	1
3554_3554	3554	3554	42.479	11.5	-0.433	0.021	-3.915	-97.15	1
3554_3555	3554	3555	-49.419	2.133	-0.1	0.127	-5.686	-111.216	1
3555_3555	3555	3555	42.747	14.088	-0.333	0.113	-6.995	-178.044	1
3555_3556	3555	3556	-41.664	0.89	-0.599	0.077	-11.883	-118.548	1
3556_3556	3556	3556	42.652	15.29	-0.319	0.555	-10.635	-328.238	1
3556_3557	3556	3557	-39.796	-0.1	-0.597	0.451	-13.617	-117.853	1
3557_3557	3557	3557	41.287	18.523	0.975	0.578	-11.386	-380.145	1
3557_3293	3557	3293	-35.611	-1.144	0.335	0.225	-10.584	-108.869	1
43000_3000	43000	3000	-0.473	-3.322	0.461	-0.931	0	-3.675	1
43000_3001	43000	3001	0.294	3.638	-0.645	0.998	-9.615	-51.701	1
43001_3001	43001	3001	0.981	13.13	-0.425	-0.079	-6.318	-737.512	1
43001_3002	43001	3002	0.294	3.638	-0.645	0.937	-16.32	-89.52	1
43002_3002	43002	3002	1.14	11.176	0.552	1.367	-13.305	-1044.298	1
43002_3003	43002	3003	0.318	3.612	0.896	1.013	-5.268	-133.427	1
43003_3003	43003	3003	1.199	-2.143	0.601	-0.772	-7.166	-1344.927	1
43003_3004	43003	3004	0.32	3.612	0.896	0.781	5.633	-177.375	1
43004_3004	43004	3004	1.272	0.217	0.191	1.059	0.303	-1491.737	1
43004_3005	43004	3005	0.316	3.636	0.397	0.928	10.467	-221.609	1
43005_3005	43005	3005	1.304	-7.326	0.22	-0.271	3.261	-1642.907	1
43005_3006	43005	3006	0.316	3.636	0.397	0.725	15.3	-265.871	1
43006_3006	43006	3006	1.305	-2.655	0.171	1.902	6.967	-1685.425	1
43006_3007	43006	3007	0.315	3.601	0.263	0.966	18.499	-309.676	1
43007_3007	43007	3007	1.291	-9.829	0.187	-1.009	10.277	-1774.216	1
43007_3008	43007	3008	0.316	3.601	0.263	0.429	21.694	-353.506	1
43008_3008	43008	3008	1.27	-4.88	0.178	1.024	13.911	-1767.003	1
43008_3009	43008	3009	0.339	3.566	0.219	0.678	24.243	-396.896	1
43009_3009	43009	3009	1.247	-12.029	0.184	-0.379	17.42	-1812.346	1
43009_3010	43009	3010	0.36	3.569	0.218	0.352	26.777	-440.316	1
43010_3010	43010	3010	1.226	-7.373	0.224	1.53	20.907	-1764.016	1
43010_3011	43010	3011	0.361	3.539	0.23	0.696	29.575	-483.371	1
43011_3011	43011	3011	1.246	-28.414	0.217	-1.297	22.42	-1768.352	1
43011_3012	43011	3012	0.361	3.539	0.229	-0.093	32.365	-526.413	1
43012_3012	43012	3012	1.226	-24.407	0.277	0.396	26.411	-1688.466	1
43012_3013	43012	3013	0.362	3.615	0.294	0.246	35.945	-570.424	1
43013_3013	43013	3013	1.208	-31.408	0.284	-0.817	30.932	-1654.657	1
43013_3014	43013	3014	0.362	3.615	0.294	-0.22	39.521	-614.42	1
43014_3014	43014	3014	1.192	-29.684	0.324	0.371	35.205	-1526.145	1
43014_3015	43014	3015	0.372	3.896	0.157	0.273	41.94	-678.359	1
43015_3015	43015	3015	1.497	-38.051	0.302	-1.863	40.482	-1375.655	1
43015_3016	43015	3016	0.338	3.899	0.157	-1.14	43.222	-710.284	1
43016_3016	43016	3016	2.01	-34.025	-0.01	0.473	42.738	-1242.469	1
43016_3017	43016	3017	0.273	4.791	0.121	0.526	44.296	-765.934	1
43017_3017	43017	3017	3.141	-41.05	-0.07	-1.65	40.712	-1098.008	1
43017_3018	43017	3018	0.164	4.826	0.118	-1.452	45.58	-829.644	1
43018_3018	43018	3018	3.036	-30.483	0.097	0.113	31.268	-844.062	1
43018_3019	43018	3019	0.001	5.375	0.132	0.404	47.416	-897.039	1
43019_3019	43019	3019	4.338	-36.89	-0.019	-1.393	27.918	-580.454	1
43019_3020	43019	3020	-0.13	5.458	0.132	-2.244	48.278	-965.203	1
43020_3020	43020	3020	-46.671	-1.124	-0.632	-0.128	49.874	-449.624	1
43020_3021	43020	3021	17.091	-16.098	-0.742	0.113	24.97	-432.285	1
43021_3021	43021	3021	-40.225	-5.06	-0.395	-0.843	38.553	-570.253	1
43021_3022	43021	3022	24.803	-11.157	-0.863	-0.652	28.653	-318.16	1
43022_3022	43022	3022	-35.15	-9.03	-0.249	-0.686	31.803	-651.388	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43022_3023	43022	3023	42.275	-2.417	-1.12	-0.978	52.175	-258.594	1
43023_3023	43023	3023	-29.865	-9.024	-0.589	-0.399	26.984	-712.541	1
43023_3024	43023	3024	41.04	-2.086	-1.168	-1.023	42.799	-241.53	1
43024_3024	43024	3024	-24.898	-13.471	-0.491	-0.241	19.68	-782.825	1
43024_3025	43024	3025	40.567	-2.063	-1.165	-1.019	33.479	-225.001	1
43025_3025	43025	3025	-20.483	-18.42	-0.367	-0.986	13.758	-822.696	1
43025_3026	43025	3026	38.626	-1.996	-1.191	-1.253	23.926	-208.718	1
43026_3026	43026	3026	-17.132	-16.162	-0.428	0.718	9.349	-831.974	1
43026_3027	43026	3027	38.626	-1.55	-1.141	-0.82	17.078	-199.416	1
43027_3027	43027	3027	-15.205	-19.923	-0.306	-0.41	6.129	-860.453	1
43027_3028	43027	3028	38.624	-1.55	-1.205	-1.151	9.847	-190.115	1
43028_3028	43028	3028	-13.865	-23.977	-0.208	-0.232	4.168	-871.261	1
43028_3029	43028	3029	38.624	-1.55	-1.205	-1.151	2.616	-180.817	1
43029_3029	43029	3029	-12.967	-28.157	-0.087	-1.474	3.341	-856.484	1
43029_3030	43029	3030	38.622	-1.55	-1.269	-1.451	-4.998	-171.517	1
43030_3030	43030	3030	-15.142	-12.891	0.256	1.008	6.856	-826.012	1
43030_3031	43030	3031	52.343	2.302	1.242	1.318	21.469	-174.867	1
43031_3031	43031	3031	-17.629	-18.276	0.375	0.302	10.484	-814.611	1
43031_3032	43031	3032	54.082	2.402	1.188	1.13	31.004	-193.475	1
43032_3032	43032	3032	-20.988	-23.235	0.5	-0.442	15.61	-772.399	1
43032_3033	43032	3033	40.232	8.255	0.722	0.64	24.245	-220.017	1
43033_3033	43033	3033	-24.806	-23.198	0.07	1.202	22.302	-699.386	1
43033_3034	43033	3034	24.906	13.12	0.88	0.83	21.899	-299.1	1
43034_3034	43034	3034	-28.885	-27.631	0.291	-0.244	26.321	-635.753	1
43034_3035	43034	3035	17.263	18.198	0.743	-0.08	20.21	-413.987	1
43035_3035	43035	3035	-32.812	-31.619	0.419	0.335	32.947	-543.12	1
43035_3036	43035	3036	13.263	25.343	0.648	0.269	17.292	-617.945	1
43036_3036	43036	3036	-4.948	-4.12	-0.076	-0.607	0.249	-248.687	1
43036_3037	43036	3037	11.838	-7.494	0.032	1.699	33.582	-821.563	1
43037_3037	43037	3037	10.214	-0.628	0.062	0.025	22.053	-532.158	1
43037_3038	43037	3038	12.031	-7.18	0.021	0.103	33.934	-731.531	1
43038_3038	43038	3038	13.258	-3.379	0.205	1.176	24.602	-762.175	1
43038_3039	43038	3039	12.123	-6.176	-0.014	1.356	33.851	-649.611	1
43039_3039	43039	3039	16.189	-10.202	0.233	-0.53	30.08	-969.562	1
43039_3040	43039	3040	11.99	-5.822	-0.035	-0.32	33.802	-579.913	1
43040_3040	43040	3040	18.247	-9.154	-0.321	1.031	35.145	-1070.695	1
43040_3041	43040	3041	12.089	-4.869	-0.234	0.798	31.848	-539.776	1
43041_3041	43041	3041	19.171	-14.725	-0.323	-0.175	33.817	-1152.477	1
43041_3042	43041	3042	12.044	-4.755	-0.246	0.034	27.963	-460.115	1
43042_3042	43042	3042	19.584	-12.693	-0.129	0.475	31.171	-1218.014	1
43042_3043	43042	3043	12.045	-4.258	-0.084	0.152	26.96	-409.227	1
43043_3043	43043	3043	19.121	-19.679	-0.121	-0.411	30.846	-1301.675	1
43043_3044	43043	3044	12.045	-4.258	-0.094	-0.189	25.837	-358.332	1
43044_3044	43044	3044	18.146	-15.77	-0.044	0.887	30.411	-1309.867	1
43044_3045	43044	3045	12.045	-4.086	-0.101	0.01	24.625	-309.503	1
43045_3045	43045	3045	17.109	-22.987	-0.047	-1.176	30.652	-1367.919	1
43045_3046	43045	3046	4.508	4.287	0.173	0.328	23.925	-273.306	1
43046_3046	43046	3046	15.02	-5.822	0.01	-0.012	30.818	-1340.149	1
43046_3047	43046	3047	4.509	4.306	0.165	0.34	25.899	-324.766	1
43047_3047	43047	3047	14.929	-13.594	0.038	0.013	30.657	-1371.679	1
43047_3048	43047	3048	4.509	4.306	0.165	0.318	27.871	-376.264	1
43048_3048	43048	3048	15.019	-9.223	0.069	-0.282	30.852	-1315.48	1
43048_3049	43048	3049	4.509	4.377	0.173	0.038	29.934	-428.606	1
43049_3049	43049	3049	15.186	-17.043	0.099	-0.082	31.08	-1307.108	1
43049_3050	43049	3050	4.509	4.377	0.173	0.066	31.999	-480.897	1
43050_3050	43050	3050	15.043	-13.365	0.221	-0.149	31.467	-1222.411	1
43050_3051	43050	3051	4.51	4.648	0.18	-0.075	34.879	-555.25	1
43051_3051	43051	3051	14.354	-23.16	0.265	-0.848	33.504	-1156.435	1
43051_3052	43051	3052	4.736	4.709	0.178	-0.642	36.126	-594.493	1
43052_3052	43052	3052	13.757	-19.352	-0.253	0.075	34.681	-1067.204	1
43052_3053	43052	3053	4.645	5.42	0.063	0.101	36.881	-658.199	1
43053_3053	43053	3053	12.832	-26.169	-0.25	-1.307	29.567	-973.79	1
43053_3054	43053	3054	4.754	5.584	0.053	-1.277	37.209	-733.461	1
43054_3054	43054	3054	11.128	-29.535	0.132	-0.079	24.4	-768.802	1
43054_3055	43054	3055	4.717	6.095	0.167	0.15	39.148	-809.525	1
43055_3055	43055	3055	9.998	-36.006	0	-1.302	22.552	-540.822	1
43055_3056	43055	3056	4.656	6.247	0.159	-2.148	40.767	-887.776	1
43056_3056	43056	3056	-41.763	-1.221	-0.495	-0.349	39.264	-451.421	1
43056_3057	43056	3057	19.851	-15.38	-0.751	-0.122	22.557	-385.736	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43057_3057	43057	3057	-36.58	-5.349	-0.289	-0.848	30.027	-580.359	1
43057_3058	43057	3058	30.405	-9.753	-0.843	-0.769	26.482	-286.844	1
43058_3058	43058	3058	-32.518	-9.436	-0.156	-0.693	24.795	-671.926	1
43058_3059	43058	3059	42.101	-2.48	-0.963	-1.128	42.945	-259.268	1
43059_3059	43059	3059	-28.22	-9.419	-0.515	-0.126	21.397	-739.949	1
43059_3060	43059	3060	40.719	-2.171	-0.946	-1.052	35.364	-241.679	1
43060_3060	43060	3060	-24.173	-13.905	-0.412	-0.834	15.394	-815.611	1
43060_3061	43060	3061	39.921	-2.137	-0.987	-1.326	27.463	-224.513	1
43061_3061	43061	3061	-20.596	-18.868	-0.339	-0.661	10.625	-859.342	1
43061_3062	43061	3062	38.479	-2.085	-0.975	-1.312	19.701	-207.713	1
43062_3062	43062	3062	-17.921	-16.546	-0.31	-0.256	6.861	-871.081	1
43062_3063	43062	3063	38.477	-1.701	-1.02	-1.224	13.579	-197.505	1
43063_3063	43063	3063	-16.398	-20.281	-0.229	-0.101	4.584	-900.789	1
43063_3064	43063	3064	37.885	1.382	1.034	1.365	5.325	-197.698	1
43064_3064	43064	3064	-15.101	-12.742	0.176	0.545	2.96	-912.624	1
43064_3065	43064	3065	37.885	1.382	1.034	1.365	11.53	-205.992	1
43065_3065	43065	3065	-15.993	-16.746	0.282	-0.717	4.338	-899.978	1
43065_3066	43065	3066	37.886	1.382	0.975	1.044	17.369	-214.273	1
43066_3066	43066	3066	-17.369	-12.768	0.269	0.767	6.761	-869.336	1
43066_3067	43066	3067	40.405	1.909	0.995	1.442	25.109	-229.397	1
43067_3067	43067	3067	-19.849	-18.13	0.344	0.944	10.368	-856.649	1
43067_3068	43067	3068	40.405	1.909	0.995	1.442	33.076	-244.679	1
43068_3068	43068	3068	-23.22	-23.086	0.473	-0.806	14.981	-812.312	1
43068_3069	43068	3069	42.651	1.992	0.904	0.864	40.202	-260.44	1
43069_3069	43069	3069	-27.054	-22.969	0.056	1.024	21.049	-736.809	1
43069_3070	43069	3070	31.764	9.778	0.86	1.012	24.566	-292.449	1
43070_3070	43070	3070	-31.142	-27.467	0.224	0.436	24.528	-669.796	1
43070_3071	43070	3071	20.605	15.452	0.75	0.47	20.757	-391.963	1
43071_3071	43071	3071	-34.995	-31.526	0.404	-0.084	30.128	-577.49	1
43071_3072	43071	3072	15.379	23.421	0.629	-0.103	16.659	-576.455	1
43072_3072	43072	3072	-5.063	-0.891	-0.168	0.775	21.911	-283.891	1
43072_3073	43072	3073	5.8	-6.209	-0.13	1.797	35.934	-824.062	1
43073_3073	43073	3073	7.72	-0.546	-0.007	0.082	22.458	-544.767	1
43073_3074	43073	3074	5.597	-5.967	-0.134	0.201	34.852	-748.922	1
43074_3074	43074	3074	10.221	-3.432	0.121	1.354	23.905	-778.723	1
43074_3075	43074	3075	5.568	-5.402	-0.08	1.565	33.907	-677.001	1
43075_3075	43075	3075	12.626	-10.524	0.124	-0.711	27.676	-987.467	1
43075_3076	43075	3076	5.243	-5.192	-0.095	-0.427	33.209	-613.555	1
43076_3076	43076	3076	14.212	-9.124	-0.131	1.74	30.951	-1093.137	1
43076_3077	43076	3077	5.332	-4.353	-0.09	1.23	32.438	-577.726	1
43077_3077	43077	3077	14.753	-14.047	-0.136	-0.671	30.888	-1196.825	1
43077_3078	43077	3078	5.369	-4.307	-0.101	-0.237	30.982	-516.983	1
43078_3078	43078	3078	14.7	-12.829	-0.155	0.077	30.421	-1280.672	1
43078_3079	43078	3079	5.368	-4.148	-0.18	0.011	28.964	-470.403	1
43079_3079	43079	3079	11.865	-6.673	-0.117	0.386	29.822	-1378.049	1
43079_3080	43079	3080	5.148	-4.141	-0.181	0.01	27.015	-423.854	1
43080_3080	43080	3080	10.947	-2.239	-0.036	0.731	28.477	-1400.003	1
43080_3081	43080	3081	5.148	-3.995	-0.141	-0.061	25.429	-378.95	1
43081_3081	43081	3081	10.276	-9.4	-0.031	-0.379	27.939	-1471.712	1
43081_3082	43081	3082	5.148	-3.995	-0.145	-0.382	23.795	-334.083	1
43082_3082	43082	3082	9.908	-4.55	0.022	0.568	27.431	-1460.792	1
43082_3083	43082	3083	5.148	-3.943	-0.158	-0.293	21.888	-286.486	1
43083_3083	43083	3083	9.877	-12.228	0.029	-0.586	27.517	-1503.865	1
43083_3084	43083	3084	3.054	3.736	0.186	0.247	22.942	-330.936	1
43084_3084	43084	3084	9.898	-21.005	-0.015	0.204	27.868	-1454.785	1
43084_3085	43084	3085	3.054	3.765	0.178	0.362	24.937	-373.219	1
43085_3085	43085	3085	9.882	-27.885	-0.008	-0.95	27.884	-1460.992	1
43085_3086	43085	3086	3.054	3.765	0.175	0.016	26.902	-415.534	1
43086_3086	43086	3086	11.434	-10.666	0.116	0.17	27.556	-1386.328	1
43086_3087	43086	3087	3.379	3.852	0.173	0.134	28.701	-458.717	1
43087_3087	43087	3087	12.118	-17.845	0.112	-0.842	28.365	-1360.157	1
43087_3088	43087	3088	3.379	3.852	0.17	-0.258	30.608	-501.966	1
43088_3088	43088	3088	12.483	-14.315	0.268	-0.008	28.746	-1265.701	1
43088_3089	43088	3089	3.38	4.096	0.219	-0.013	33.674	-559.271	1
43089_3089	43089	3089	12.537	-22.874	0.278	-1.154	31.186	-1186.145	1
43089_3090	43089	3090	3.345	4.125	0.216	-0.809	35.455	-592.683	1
43090_3090	43090	3090	12.319	-19.146	-0.219	0.191	32.495	-1090.919	1
43090_3091	43090	3091	3.473	4.8	0.051	0.21	35.86	-648.793	1
43091_3091	43091	3091	11.835	-26.132	-0.216	-1.324	28.02	-985.547	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43091_3092	43091	3092	3.612	4.932	0.042	-1.284	36.014	-714.515	1
43092_3092	43092	3092	10.495	-29.416	0.175	-0.2	23.486	-767.682	1
43092_3093	43092	3093	3.577	5.47	0.205	-0.131	38.457	-782.753	1
43093_3093	43093	3093	9.621	-36.074	0.046	-1.036	22.505	-532.041	1
43093_3094	43093	3094	3.578	5.605	0.202	-1.733	40.587	-852.885	1
43094_3094	43094	3094	-41.421	-1.152	-0.446	-0.104	35.698	-444.998	1
43094_3095	43094	3095	19.051	-14.993	-0.76	0.086	20.749	-378.595	1
43095_3095	43095	3095	-36.397	-5.312	-0.218	-0.997	27.4	-571.028	1
43095_3096	43095	3096	28.899	-9.569	-0.861	-0.86	23.79	-282.37	1
43096_3096	43096	3096	-32.464	-9.467	-0.09	-0.83	23.043	-661.495	1
43096_3097	43096	3097	39.051	-2.448	-0.982	-1.161	38.421	-254.266	1
43097_3097	43097	3097	-28.261	-9.305	-0.502	-0.092	20.45	-728.077	1
43097_3098	43097	3098	37.593	-2.104	-0.986	-0.963	30.572	-203.064	1
43098_3098	43098	3098	-24.294	-13.846	-0.404	-0.837	14.827	-837.531	1
43098_3099	43098	3099	36.443	-2.047	-1.025	-1.24	22.39	-220.533	1
43099_3099	43099	3099	-20.767	-18.884	-0.336	-0.706	10.357	-846.692	1
43099_3100	43099	3100	35.024	-1.982	-1.016	-1.23	14.295	-204.492	1
43100_3100	43100	3100	-18.106	-16.278	-0.24	-2.975	6.815	-857.126	1
43100_3101	43100	3101	34.402	-1.569	-1.152	-1.875	7.426	-195.04	1
43101_3101	43101	3101	-16.569	-20.045	-0.17	-3.262	5.071	-887.709	1
43101_3102	43101	3102	38.333	1.675	0.836	0.51	4.376	-197.036	1
43102_3102	43102	3102	-14.849	-12.73	0.085	4.354	4.523	-900.896	1
43102_3103	43102	3103	38.325	1.675	1.157	2.161	11.312	-207.062	1
43103_3103	43103	3103	-15.596	-16.776	0.187	2.411	5.551	-889.169	1
43103_3104	43103	3104	38.908	1.681	1.099	1.81	17.824	-217.14	1
43104_3104	43104	3104	-16.81	-12.488	0.268	0.888	7.591	-858.947	1
43104_3105	43104	3105	40.131	2.101	1.011	1.386	25.82	-233.783	1
43105_3105	43105	3105	-19.051	-17.95	0.361	0.049	11.419	-848.904	1
43105_3106	43105	3106	41.314	2.146	0.97	1.113	33.538	-250.771	1
43106_3106	43106	3106	-22.174	-22.994	0.432	0.199	16.367	-806	1
43106_3107	43106	3107	42.44	2.197	0.975	1.112	41.32	-268.205	1
43107_3107	43107	3107	-25.752	-22.746	-0.023	0.482	22.267	-730.744	1
43107_3108	43107	3108	45.443	2.637	0.938	1.073	48.394	-287.849	1
43108_3108	43108	3108	-29.591	-27.36	0.101	0.626	25.231	-664.458	1
43108_3109	43108	3109	20.767	14.954	0.773	0.521	21.281	-380.069	1
43109_3109	43109	3109	-33.177	-31.529	0.262	0.172	29.924	-572.253	1
43109_3110	43109	3110	15.498	22.727	0.678	0.005	17.591	-556.561	1
43110_3110	43110	3110	-1.035	-1.644	-0.138	0.798	17.22	-318.947	1
43110_3111	43110	3111	5.892	-6.38	-0.216	2.128	40.296	-820.49	1
43111_3111	43111	3111	7.758	-0.874	-0.083	-0.251	25.009	-548.075	1
43111_3112	43111	3112	5.791	-6.153	-0.227	-0.255	37.966	-742.755	1
43112_3112	43112	3112	10.285	-3.673	0.103	1.129	26.009	-776.694	1
43112_3113	43112	3113	5.966	-5.579	-0.092	1.382	36.601	-668.746	1
43113_3113	43113	3113	12.732	-10.97	0.12	-0.57	30.109	-981.716	1
43113_3114	43113	3114	5.722	-5.373	-0.104	-0.36	35.755	-604.453	1
43114_3114	43114	3114	14.473	-9.736	-0.38	0.32	33.751	-1074.706	1
43114_3115	43114	3115	5.813	-4.73	-0.28	0.422	33.418	-565.443	1
43115_3115	43115	3115	15.206	-14.759	-0.379	0.19	31.779	-1159.335	1
43115_3116	43115	3116	5.853	-4.68	-0.28	0.168	29.359	-497.827	1
43116_3116	43116	3116	15.489	-12.943	-0.161	0.928	27.818	-1214.001	1
43116_3117	43116	3117	5.853	-4.399	-0.186	0.335	27.27	-448.37	1
43117_3117	43117	3117	15.14	-19.748	-0.184	-1.072	26.691	-1291.901	1
43117_3118	43117	3118	5.193	-4.38	-0.2	-0.459	25.282	-399.052	1
43118_3118	43118	3118	14.407	-15.553	-0.16	0.878	24.991	-1298.622	1
43118_3119	43118	3119	5.193	-4.317	-0.205	0.017	22.977	-350.564	1
43119_3119	43119	3119	13.629	-22.488	-0.177	-1.25	23.356	-1354.618	1
43119_3120	43119	3120	5.193	-4.317	-0.215	-0.607	20.568	-302.075	1
43120_3120	43120	3120	12.917	-17.735	-0.129	0.151	21.383	-1331.552	1
43120_3121	43120	3121	5.193	-4.28	-0.218	-0.385	17.942	-250.404	1
43121_3121	43121	3121	12.401	-25.333	-0.124	-0.793	19.785	-1367.429	1
43121_3122	43121	3122	6.487	2.603	0.058	0.158	13.014	-214.2	1
43122_3122	43122	3122	12.233	-21.076	-0.113	0.027	18.279	-1305.258	1
43122_3123	43122	3123	6.487	2.654	0.065	0.223	13.741	-244.002	1
43123_3123	43123	3123	12.427	-28.238	-0.108	-0.952	17.007	-1302.19	1
43123_3124	43123	3124	6.487	2.654	0.059	0.004	14.403	-273.831	1
43124_3124	43124	3124	12.94	-23.828	0.011	0.303	15.863	-1213.523	1
43124_3125	43124	3125	6.592	2.794	0.075	0.237	15.196	-305.205	1
43125_3125	43125	3125	15.654	-18.834	0.035	-1.284	15.917	-1179.612	1
43125_3126	43125	3126	6.832	2.802	0.061	-0.308	15.759	-336.607	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43126_3126	43126	3126	16.148	-15.116	0.035	0.089	15.928	-1079.087	1
43126_3127	43126	3127	6.891	3.07	0.046	0.034	16.352	-378.967	1
43127_3127	43127	3127	16.224	-23.779	0.051	-1.055	16.041	-998.551	1
43127_3128	43127	3128	6.865	3.128	0.038	-0.562	16.659	-402.975	1
43128_3128	43128	3128	15.934	-19.523	0.034	0.469	16.352	-904.062	1
43128_3129	43128	3129	6.955	4.002	0.156	0.319	18.343	-449.946	1
43129_3129	43129	3129	15.209	-26.588	0.026	-1.39	16.179	-813.276	1
43129_3130	43129	3130	7.084	4.223	0.133	-1.039	19.689	-508.011	1
43130_3130	43130	3130	13.445	-30.291	-0.709	-0.278	16.747	-612.038	1
43130_3131	43130	3131	-14.762	19.673	0.457	0.859	-10.212	-691.993	1
43131_3131	43131	3131	12.369	-36.958	-0.861	-0.607	6.336	-386.132	1
43131_3132	43131	3132	-18.474	28.239	0.482	0.732	-6.066	-965.761	1
43132_3132	43132	3132	-45.611	1.196	1.012	-1.68	1.481	-316.915	1
43132_3133	43132	3133	14.56	-16.394	-1.03	-1.504	11.672	-352.817	1
43133_3133	43133	3133	-39.424	-3.468	1.093	-1.842	8.897	-481.231	1
43133_3134	43133	3134	18.593	-11.723	-0.846	-0.977	6.92	-238.562	1
43134_3134	43134	3134	-34.903	-7.847	0.795	4.436	15.774	-584.239	1
43134_3135	43134	3135	45.747	-1.156	0.32	2.483	-16.415	-191.351	1
43135_3135	43135	3135	-30.091	-8.417	-0.61	-0.116	21.071	-662.672	1
43135_3136	43135	3136	45.74	-0.374	0.734	0.95	-10.544	-188.388	1
43136_3136	43136	3136	-25.553	-13.228	-0.572	0.006	15.491	-745.73	1
43136_3137	43136	3137	44.819	-0.355	0.724	0.946	-4.305	-185.524	1
43137_3137	43137	3137	-21.473	-18.528	-0.506	-0.82	10.42	-791.855	1
43137_3138	43137	3138	43.59	-0.329	0.656	0.711	1.425	-182.824	1
43138_3138	43138	3138	-18.294	-15.452	-0.219	0.039	6.003	-802.746	1
43138_3139	43138	3139	43.591	0.151	0.563	0.883	4.803	-183.727	1
43139_3139	43139	3139	-13.009	-8.781	0.055	0.456	4.175	-841.731	1
43139_3140	43139	3140	44.223	0.159	0.569	0.888	8.058	-184.672	1
43140_3140	43140	3140	-13.094	-13.182	0.131	-0.855	4.636	-856.961	1
43140_3141	43140	3141	44.822	0.164	0.5	0.585	10.937	-185.637	1
43141_3141	43141	3141	-13.552	-17.45	0.162	0.706	5.833	-844.572	1
43141_3142	43141	3142	44.821	0.164	0.575	0.894	14.387	-186.621	1
43142_3142	43142	3142	-14.507	-12.811	0.152	0.488	7.5	-812.515	1
43142_3143	43142	3143	46.092	0.542	0.585	0.812	18.934	-190.859	1
43143_3143	43143	3143	-16.451	-18.529	0.215	-0.372	9.822	-802.809	1
43143_3144	43143	3144	48.177	0.619	0.54	0.587	23.099	-195.468	1
43144_3144	43144	3144	-19.315	-23.823	0.237	0.675	12.842	-757.578	1
43144_3145	43144	3145	49.659	0.687	0.609	0.84	27.864	-200.647	1
43145_3145	43145	3145	-22.635	-23.698	-0.28	-0.118	16.216	-677.107	1
43145_3146	43145	3146	25.551	11.618	0.57	0.153	11.911	-262.183	1
43146_3146	43146	3146	-26.26	-28.517	-0.22	0.649	15.962	-604.982	1
43146_3147	43146	3147	18.416	16.647	0.62	0.404	12.21	-369.913	1
43147_3147	43147	3147	-29.673	-32.864	-0.093	0.176	16.74	-502.001	1
43147_3148	43147	3148	13.931	25.132	0.613	0.052	12.469	-570.778	1
43148_3148	43148	3148	2.88	-2.015	-0.106	0.325	11.093	-277.436	1
43148_3149	43148	3149	15.885	-7.406	-0.112	0.887	25.336	-727.235	1
43149_3149	43149	3149	15.153	-0.917	0.024	0.051	15.169	-472.563	1
43149_3150	43149	3150	15.826	-6.919	-0.113	0.209	24.288	-639.917	1
43150_3150	43150	3150	19.259	-3.894	0.12	0.301	15.925	-685.232	1
43150_3151	43150	3151	15.972	-6.187	-0.07	0.489	23.348	-557.738	1
43151_3151	43151	3151	23.344	-11.027	0.176	0.117	18.758	-863.162	1
43151_3152	43151	3152	15.922	-5.751	-0.067	0.092	22.719	-484.842	1
43152_3152	43152	3152	26.37	-9.827	-0.235	-0.031	21.725	-939.207	1
43152_3153	43152	3153	16.018	-4.944	-0.162	0.105	21.378	-444.041	1
43153_3153	43153	3153	27.895	-14.554	-0.198	0.109	20.301	-1009.335	1
43153_3154	43153	3154	15.668	-4.786	-0.159	0.054	19.361	-376.202	1
43154_3154	43154	3154	29.304	-13.105	-0.145	0.337	18.621	-1047.677	1
43154_3155	43154	3155	15.668	-4.546	-0.127	0.013	17.967	-326.192	1
43155_3155	43155	3155	29.712	-19.995	-0.155	-0.509	17.545	-1112.448	1
43155_3156	43155	3156	15.667	-4.546	-0.141	-0.283	16.415	-276.179	1
43156_3156	43156	3156	29.592	-16.58	-0.064	-0.121	16.273	-1107.837	1
43156_3157	43156	3157	15.667	-4.477	-0.129	-0.292	15.127	-231.356	1
43157_3157	43157	3157	29.37	-23.049	-0.043	-0.052	15.947	-1142.602	1
43157_3158	43157	3158	15.667	-4.477	-0.129	-0.292	13.838	-186.53	1
43158_3158	43158	3158	29.113	-18.895	-0.013	-0.148	15.883	-1113.774	1
43158_3159	43158	3159	15.21	3.907	0.129	0.234	14.759	-206.413	1
43159_3159	43159	3159	29.27	-13.79	0.054	0.08	16.308	-1138.673	1
43159_3160	43159	3160	15.21	3.907	0.129	0.231	16.052	-245.568	1
43160_3160	43160	3160	29.468	-9.366	0.143	0.41	16.864	-1102.189	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43160_3161	43160	3161	15.281	4.029	0.135	0.225	17.515	-289.842	1
43161_3161	43161	3161	29.582	-16.853	0.137	-0.481	18.358	-1104.544	1
43161_3162	43161	3162	15.281	4.029	0.121	-0.043	18.847	-334.168	1
43162_3162	43162	3162	29.195	-13.499	0.159	-0.346	19.61	-1037.766	1
43162_3163	43162	3163	15.475	4.39	0.15	-0.148	20.811	-394.495	1
43163_3163	43163	3163	28.019	-22.178	0.242	0.508	21.612	-996.379	1
43163_3164	43163	3164	15.438	4.518	0.166	0.079	22.176	-432.639	1
43164_3164	43164	3164	26.89	-18.676	-0.227	-0.213	23.402	-920.816	1
43164_3165	43164	3165	15.723	5.43	0.054	-0.135	22.458	-495.983	1
43165_3165	43165	3165	24.923	-25.513	-0.205	-0.302	19.964	-844.67	1
43165_3166	43165	3166	15.581	5.823	0.063	-0.421	23.294	-577.449	1
43166_3166	43166	3166	21.703	-29.108	0.094	-0.134	16.732	-654.532	1
43166_3167	43166	3167	15.524	6.736	0.101	-0.183	24.312	-661.742	1
43167_3167	43167	3167	18.898	-35.632	-0.023	-0.483	15.907	-439.151	1
43167_3168	43167	3168	-32.401	26.262	-0.147	0.849	-24.413	-911.43	1
43168_3168	43168	3168	-37.276	0.34	-0.145	-0.054	21.74	-362.966	1
43168_3169	43168	3169	19.017	-17.396	-0.606	0.043	12.51	-383.293	1
43169_3169	43169	3169	-32.64	-3.851	0.022	-0.536	17.518	-506.202	1
43169_3170	43169	3170	25.067	-12.526	-0.62	-0.399	11.578	-262.494	1
43170_3170	43170	3170	-29.006	-8.051	0.13	-0.423	15.937	-605.192	1
43170_3171	43170	3171	35.075	-8.247	-0.601	-0.466	11.487	-184.806	1
43171_3171	43171	3171	-25.106	-8.152	-0.29	-0.336	15.786	-680.734	1
43171_3172	43171	3172	29.312	-0.927	0.592	0.657	-12.186	-166.066	1
43172_3172	43172	3172	-21.507	-12.794	-0.237	-0.27	12.443	-763.664	1
43172_3173	43172	3173	29.312	-0.927	0.591	0.653	-7.456	-158.646	1
43173_3173	43173	3173	-18.359	-17.957	-0.182	-0.186	9.773	-813.279	1
43173_3174	43173	3174	42.703	-0.371	-0.583	-0.668	12.038	-152.214	1
43174_3174	43174	3174	-16.132	-15.634	-0.242	-0.891	7.788	-829.074	1
43174_3175	43174	3175	42.702	0.074	-0.662	-0.842	8.065	-152.652	1
43175_3175	43175	3175	-14.976	-19.529	-0.205	0.5	6.126	-862.105	1
43175_3176	43175	3176	42.703	0.074	-0.591	-0.587	4.52	-153.098	1
43176_3176	43176	3176	-14.337	-23.724	-0.115	-0.845	5.045	-875.813	1
43176_3177	43176	3177	40.484	0.092	-0.642	-0.831	1.088	-153.547	1
43177_3177	43177	3177	-14.086	-28.046	-0.073	0.655	4.831	-862.297	1
43177_3178	43177	3178	40.485	0.092	-0.575	-0.575	-2.361	-154.1	1
43178_3178	43178	3178	-18.887	-13.147	0.119	0.399	7.846	-828.631	1
43178_3179	43178	3179	42.702	0.815	-0.528	-0.624	-7.224	-160.509	1
43179_3179	43179	3179	-21.996	-18.719	0.168	0.505	9.766	-813.029	1
43179_3180	43179	3180	42.702	0.815	-0.528	-0.624	-11.45	-167.033	1
43180_3180	43180	3180	-25.995	-23.87	0.25	-0.327	12.265	-763.83	1
43180_3181	43180	3181	28.991	8.668	0.338	0.405	11.269	-179.409	1
43181_3181	43181	3181	-30.405	-24.04	-0.25	0.607	15.601	-681.256	1
43181_3182	43181	3182	20.722	12.589	0.617	0.445	11.365	-258.387	1
43182_3182	43182	3182	-35.058	-28.664	-0.107	-0.046	15.541	-605.723	1
43182_3183	43182	3183	16.191	17.472	0.603	0.044	12.082	-376.342	1
43183_3183	43183	3183	-39.425	-32.837	-0.015	0.204	17.176	-499.992	1
43183_3184	43183	3184	14.073	26.195	0.603	0.222	12.269	-590.208	1
43184_3184	43184	3184	-7.364	-3.968	-0.061	-0.391	4.13	-252.666	1
43184_3185	43184	3185	-22.979	-21.198	-0.009	-0.828	-20.078	-657.536	1
43185_3185	43185	3185	10.676	0.258	0.062	0.092	15.647	-417.339	1
43185_3186	43185	3186	8.132	-5.557	-0.095	0.197	23.61	-545.484	1
43186_3186	43186	3186	13.917	-2.796	0.222	0.381	16.752	-644.961	1
43186_3187	43186	3187	8.002	-4.871	-0.018	0.515	23.851	-480.507	1
43187_3187	43187	3187	17.157	-9.676	0.294	0.127	20.972	-847.802	1
43187_3188	43187	3188	7.925	-4.643	-0.019	0.073	23.901	-423.436	1
43188_3188	43188	3188	19.503	-9.027	-0.181	0.049	25.459	-951.942	1
43188_3189	43188	3189	8.003	-3.929	-0.12	0.182	22.904	-391.004	1
43189_3189	43189	3189	20.62	-13.631	-0.135	0.179	24.59	-1038.359	1
43189_3190	43189	3190	7.964	-3.859	-0.119	0.114	21.328	-336.555	1
43190_3190	43190	3190	21.486	-12.817	-0.098	0.033	24.105	-1107.843	1
43190_3191	43190	3191	7.676	-3.563	-0.104	-0.034	20.364	-297.34	1
43191_3191	43191	3191	21.565	-19.457	-0.061	0.136	23.904	-1189.144	1
43191_3192	43191	3192	7.546	-3.559	-0.105	-0.035	19.277	-258.149	1
43192_3192	43192	3192	21.226	-16.588	-0.035	-0.038	24.182	-1203.849	1
43192_3193	43192	3193	7.546	-3.447	-0.109	-0.224	18.179	-223.437	1
43193_3193	43193	3193	20.262	-10.509	0.071	0.293	25.221	-1249.596	1
43193_3194	43193	3194	6.931	4.296	0.214	0.519	22.631	-229.85	1
43194_3194	43194	3194	20.305	-6.653	0.16	0.127	26.146	-1237.874	1
43194_3195	43194	3195	6.931	4.366	0.222	0.346	24.869	-273.824	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43195_3195	43195	3195	20.477	-13.207	0.188	0.224	27.812	-1267.253	1
43195_3196	43195	3196	6.931	4.366	0.222	0.346	27.108	-317.794	1
43196_3196	43196	3196	20.634	-9.447	0.256	-0.503	29.722	-1235.447	1
43196_3197	43196	3197	7.34	4.557	0.245	-0.056	29.626	-367.73	1
43197_3197	43197	3197	20.724	-16.572	0.311	0.655	32.301	-1235.611	1
43197_3198	43197	3198	7.34	4.557	0.252	0.273	32.397	-417.866	1
43198_3198	43198	3198	20.417	-13.92	0.222	-0.018	35.209	-1169.603	1
43198_3199	43198	3199	7.553	5.026	0.247	-0.048	35.649	-486.94	1
43199_3199	43199	3199	19.506	-22.196	0.267	-0.43	37.116	-1122.115	1
43199_3200	43199	3200	7.512	5.087	0.246	-0.4	37.674	-530.592	1
43200_3200	43200	3200	18.682	-19.589	-0.178	0.066	38.367	-1043.215	1
43200_3201	43200	3201	7.418	5.906	0.145	0.076	39.393	-599.934	1
43201_3201	43201	3201	17.333	-26.109	-0.186	-1.07	34.061	-951.599	1
43201_3202	43201	3202	7.715	6.162	0.135	-1.046	40.464	-684.065	1
43202_3202	43202	3202	15.109	-29.761	0.177	-0.359	29.18	-750.186	1
43202_3203	43202	3203	7.525	6.861	0.158	-0.426	42.521	-770.034	1
43203_3203	43203	3203	13.378	-35.866	0.055	-0.963	27.284	-522.814	1
43203_3204	43203	3204	-23.722	29.117	-0.244	1.606	-46.007	-917.088	1
43204_3204	43204	3204	-42.255	-1.104	-0.462	-0.784	42.623	-443.59	1
43204_3205	43204	3205	21.019	-17.124	-0.716	-0.595	22.785	-426.278	1
43205_3205	43205	3205	-37.056	-4.982	-0.347	-0.014	33.315	-578.728	1
43205_3206	43205	3206	28.889	-12.125	-0.761	-0.092	25.016	-302.3	1
43206_3206	43206	3206	-32.926	-8.808	-0.18	-0.791	27.316	-669.539	1
43206_3207	43206	3207	38.513	-8.316	-0.862	-0.612	25.691	-222.874	1
43207_3207	43207	3207	-28.56	-9.146	-0.477	-0.35	23.31	-740.575	1
43207_3208	43207	3208	49.868	-1.582	-1.128	-1.097	34.154	-192.309	1
43208_3208	43208	3208	-24.473	-13.442	-0.378	-0.159	17.385	-817.474	1
43208_3209	43208	3209	45.734	-1.305	-1.11	-1.081	25.808	-181.028	1
43209_3209	43209	3209	-20.845	-18.197	-0.249	-1.066	12.861	-865.107	1
43209_3210	43209	3210	43.085	-1.2	-1.148	-1.297	16.834	-170.861	1
43210_3210	43210	3210	-18.109	-16.669	-0.376	-0.062	9.888	-883.693	1
43210_3211	43210	3211	39.841	0.913	1.212	1.313	-1.73	-174.393	1
43211_3211	43211	3211	-15.175	-8.335	0.093	0.543	5.612	-914.297	1
43211_3212	43211	3212	39.841	0.913	1.212	1.313	5.543	-179.872	1
43212_3212	43212	3212	-15.902	-12.373	0.215	-0.851	6.111	-928.571	1
43212_3213	43212	3213	39.843	0.913	1.146	1.013	12.418	-185.353	1
43213_3213	43213	3213	-17.045	-16.301	0.281	0.872	7.822	-917.757	1
43213_3214	43213	3214	41.768	0.955	1.228	1.336	19.472	-191.056	1
43214_3214	43214	3214	-18.711	-13.288	0.158	-0.416	10.443	-889.356	1
43214_3215	43214	3215	43.504	1.49	1.138	1.044	28.315	-202.452	1
43215_3215	43215	3215	-21.63	-18.442	0.229	0.757	13.388	-873.019	1
43215_3216	43215	3216	44.335	1.526	1.196	1.301	37.768	-214.619	1
43216_3216	43216	3216	-25.443	-23.203	0.327	0.827	17.547	-827.489	1
43216_3217	43216	3217	40.597	7.425	0.873	0.992	29.17	-232.784	1
43217_3217	43217	3217	-29.69	-23.68	0.026	0.419	23.095	-752.401	1
43217_3218	43217	3218	28.549	11.754	0.897	0.813	26.971	-307.975	1
43218_3218	43218	3218	-34.205	-27.917	0.115	1.409	26.826	-682.159	1
43218_3219	43218	3219	20.238	17.132	0.856	1.099	25.082	-422.092	1
43219_3219	43219	3219	-38.494	-31.75	0.422	-0.72	32.137	-582.615	1
43219_3220	43219	3220	15.584	25.051	0.691	-0.567	21.152	-628.475	1
43220_3220	43220	3220	6.386	4.366	0.086	1.304	21.677	-259.051	1
43220_3221	43220	3221	4.64	-7.085	-0.209	3.011	46.513	-807.658	1
43221_3221	43221	3221	8.791	-0.436	-0.093	-0.456	26.834	-540.345	1
43221_3222	43221	3222	4.472	-6.893	-0.224	-0.754	44.679	-720.614	1
43222_3222	43222	3222	11.752	-3.344	0.234	2.681	27.296	-772.973	1
43222_3223	43222	3223	4.537	-6.246	-0.231	2.618	41.643	-637.702	1
43223_3223	43223	3223	14.87	-9.685	0.189	-2.458	32.822	-981.793	1
43223_3224	43223	3224	4.461	-6.103	-0.262	-1.643	38.976	-564.211	1
43224_3224	43224	3224	17.258	-9.223	-0.124	3.531	37.496	-1099.86	1
43224_3225	43224	3225	4.48	-5.232	-0.137	2.054	37.852	-521.036	1
43225_3225	43225	3225	18.499	-14.527	-0.169	-1.712	37.759	-1198.271	1
43225_3226	43225	3226	4.521	-5.196	-0.158	-0.672	35.355	-438.226	1
43226_3226	43226	3226	19.865	-14.04	-0.178	2.377	37.799	-1293.206	1
43226_3227	43226	3227	4.156	-4.85	-0.232	0.774	32.753	-379.393	1
43227_3227	43227	3227	20.131	-7.245	-0.107	-2.293	37.945	-1381.259	1
43227_3228	43227	3228	4.155	-4.85	-0.25	-0.799	29.734	-320.748	1
43228_3228	43228	3228	20.215	-18.72	-0.043	2.304	36.095	-1391.805	1
43228_3229	43228	3229	6.194	4.664	0.218	1.043	29.132	-282.617	1
43229_3229	43229	3229	19.942	-12.076	0.043	-2.546	37.734	-1431.513	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43229_3230	43229	3230	6.283	4.667	0.192	-0.126	31.426	-339.05	1
43230_3230	43230	3230	19.92	-10.037	0.161	2.623	38.506	-1382.293	1
43230_3231	43230	3231	6.625	4.896	0.198	1.067	33.698	-398.852	1
43231_3231	43231	3231	19.776	-17.322	0.12	-2.596	40.257	-1364.406	1
43231_3232	43231	3232	6.815	4.904	0.169	-0.572	35.653	-458.927	1
43232_3232	43232	3232	19.338	-16.666	-0.223	1.29	41.23	-1263.572	1
43232_3233	43232	3233	6.816	5.369	0.113	0.858	36.538	-500.887	1
43233_3233	43233	3233	18.776	-21.066	-0.238	0.737	38.349	-1224.752	1
43233_3234	43233	3234	6.816	5.369	0.109	0.552	37.349	-540.915	1
43234_3234	43234	3234	18.288	-24.963	-0.271	-2.616	35.478	-1154.249	1
43234_3235	43234	3235	6.773	5.423	0.089	-1.279	38.133	-589.01	1
43235_3235	43235	3235	17.44	-24.97	1.114	1.453	31.922	-1043.299	1
43235_3236	43235	3236	7.178	6.193	0.4	1.432	39.93	-625.118	1
43236_3236	43236	3236	16.855	-27.775	1.094	0.119	37.316	-979.31	1
43236_3237	43236	3237	7.125	6.255	0.391	0.304	41.978	-658.066	1
43237_3237	43237	3237	16.519	-30.072	1.039	-2.563	41.828	-916.418	1
43237_3238	43237	3238	7.18	6.388	0.369	-2.125	45.313	-724.318	1
43238_3238	43238	3238	14.809	-23.037	-0.773	0.546	48.859	-759.266	1
43238_3239	43238	3239	6.971	8.799	-0.576	0.787	39.569	-814.583	1
43239_3239	43239	3239	13.594	-28.47	-0.717	-1.51	36.831	-667.071	1
43239_3240	43239	3240	7.175	9.054	-0.586	-1.891	32.371	-911.794	1
43240_3240	43240	3240	11.043	-20.086	-0.406	-0.108	26.042	-510.264	1
43240_3241	43240	3241	6.519	13.086	0.698	-3.233	37.39	-1007.92	1
43241_3241	43241	3241	-47.235	-10.315	0.135	-0.336	44.477	-673.19	1
43241_3242	43241	3242	35.133	-12.299	0.412	1.086	27.155	-427.692	1
43242_3242	43242	3242	-42.818	-15.434	0.351	-2.637	42.738	-727.281	1
43242_3243	43242	3243	40.12	-10.683	0.324	-0.563	35.338	-335.646	1
43243_3243	43243	3243	-39.074	-7.412	-1.523	0.282	42.602	-739.908	1
43243_3244	43243	3244	60.475	-3.409	-1.417	-0.606	47.531	-257.68	1
43244_3244	43244	3244	-34.665	-11.903	-1.315	-1.158	24.724	-840.591	1
43244_3245	43244	3245	54.55	-1.607	-1.594	-1.266	36.993	-236.953	1
43245_3245	43245	3245	-30.299	-14.164	-0.326	1.208	9.086	-911.031	1
43245_3246	43245	3246	49.582	-1.016	-1.126	-0.717	26.741	-224.892	1
43246_3246	43246	3246	-26.89	-19.678	-0.06	-2.097	4.89	-971.873	1
43246_3247	43246	3247	48.281	-0.962	-1.317	-1.622	14.163	-215.118	1
43247_3247	43247	3247	-24.668	-21.236	-0.507	1.148	4.439	-986.73	1
43247_3248	43247	3248	42.802	0.942	1.011	1.676	16.831	-217.615	1
43248_3248	43248	3248	-23.601	-26.909	-0.375	-1.645	0.08	-992.3	1
43248_3249	43248	3249	45.16	1.036	0.881	0.945	25.571	-228.385	1
43249_3249	43249	3249	-28.12	-17.035	0.415	1.413	-1.238	-942.613	1
43249_3250	43249	3250	49.516	1.701	0.537	1.595	30.149	-244.009	1
43250_3250	43250	3250	-32.107	-22.77	0.505	-0.782	3.979	-880.018	1
43250_3251	43250	3251	54.448	2.664	0.415	0.843	31.966	-262.52	1
43251_3251	43251	3251	-36.758	-14.128	1.921	2.276	9.363	-790.153	1
43251_3252	43251	3252	42.667	8.578	1.663	1.533	34.172	-324.522	1
43252_3252	43252	3252	-41.255	-19.083	2.411	0.036	28.415	-790.929	1
43252_3253	43252	3253	34.66	11.19	1.156	0.308	35.683	-409.421	1
43253_3253	43253	3253	-45.685	-23.941	2.836	-0.571	54.284	-749.899	1
43253_3254	43253	3254	28.901	14.04	0.794	-0.285	31.761	-507.13	1
43254_3254	43254	3254	-49.463	-15.24	-2.753	-3.378	82.599	-685.276	1
43254_3255	43254	3255	28.942	13.03	-0.477	-6.085	30.204	-549.822	1
43255_3255	43255	3255	6.88	-3.666	-2.41	1.26	42.176	-483.712	1
43255_3256	43255	3256	5.016	-9.029	-2.701	4.167	30.379	-896.838	1
43256_3256	43256	3256	8.763	-7.921	-2.943	-0.556	19.147	-626.294	1
43256_3257	43256	3257	4.846	-8.681	-2.749	0.352	9.023	-825.19	1
43257_3257	43257	3257	10.913	-1.125	1.398	2.132	-6.624	-707.396	1
43257_3258	43257	3258	4.979	-6.947	1.28	2.628	21.531	-756.422	1
43258_3258	43258	3258	12.917	-4.892	1.414	0.601	6.12	-879.859	1
43258_3259	43258	3259	5.093	-6.864	1.269	0.642	32.573	-697.289	1
43259_3259	43259	3259	14.686	-8.622	1.379	-3.025	17.577	-1000.565	1
43259_3260	43259	3260	5.192	-6.792	1.252	-2.512	36.611	-673.517	1
43260_3260	43260	3260	15.268	-6.669	0.513	3.38	21.707	-1035.626	1
43260_3261	43260	3261	5.307	-6.115	-0.075	2.641	35.917	-627.094	1
43261_3261	43261	3261	16.634	-9.885	0.58	1.146	26.134	-1139.312	1
43261_3262	43261	3262	4.889	-5.992	-0.104	0.867	35.55	-570.641	1
43262_3262	43262	3262	18.076	-14.416	0.62	-2.884	33.138	-1242.584	1
43262_3263	43262	3263	4.938	-5.951	-0.121	-1.383	34.632	-525.446	1
43263_3263	43263	3263	19.003	-12.126	-0.071	2.058	39.342	-1296.241	1
43263_3264	43263	3264	4.937	-5.393	-0.062	1.03	33.937	-464.639	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43264_3264	43264	3264	20.046	-17.899	-0.043	-1.006	40.54	-1399.505	1
43264_3265	43264	3265	4.787	-5.382	-0.075	-0.156	33.105	-401.116	1
43265_3265	43265	3265	21.486	-2.491	0.067	3.203	43.677	-1442.994	1
43265_3266	43265	3266	4.721	-5.116	-0.107	0.709	31.878	-341.65	1
43266_3266	43266	3266	21.788	-9.186	0.056	-2.125	44.573	-1507.264	1
43266_3267	43266	3267	4.333	-5.093	-0.127	-0.585	30.43	-283.161	1
43267_3267	43267	3267	22.084	-7.759	0.249	2.293	45.458	-1494.961	1
43267_3268	43267	3268	10.905	4.771	0.277	0.933	34.178	-323.662	1
43268_3268	43268	3268	22.338	-14.39	0.24	-1.584	48.163	-1498.497	1
43268_3269	43268	3269	10.906	4.771	0.247	0.027	36.999	-378.249	1
43269_3269	43269	3269	22.466	-13.758	0.045	2.315	50.533	-1426.659	1
43269_3270	43269	3270	11.184	5.063	0.311	1.156	40.619	-439.973	1
43270_3270	43270	3270	22.281	-20.491	-0.056	-2.522	49.095	-1365.75	1
43270_3271	43270	3271	11.185	5.063	0.269	-0.523	43.869	-501.182	1
43271_3271	43271	3271	21.664	-22.098	0.441	2.688	45.918	-1238.174	1
43271_3272	43271	3272	11.182	5.462	-0.281	1.971	41.925	-539.073	1
43272_3272	43272	3272	21.301	-25.393	0.368	-0.157	46.954	-1171.308	1
43272_3273	43272	3273	11.383	5.579	-0.305	0.339	38.757	-592.146	1
43273_3273	43273	3273	20.637	-29.485	0.258	-3.734	46.918	-1050.493	1
43273_3274	43273	3274	11.304	5.736	-0.341	-2.05	35.911	-639.372	1
43274_3274	43274	3274	19.286	-20.069	-1.835	1.995	45.267	-925.502	1
43274_3275	43274	3275	11.166	8.004	-1.533	1.959	32.456	-658.103	1
43275_3275	43275	3275	19.139	-21.119	-1.808	0.397	39.776	-921.86	1
43275_3276	43275	3276	11.317	8.212	-1.518	0.668	18.988	-731.535	1
43276_3276	43276	3276	18.026	-25.594	-1.69	-2.151	20.643	-861.046	1
43276_3277	43276	3277	11.276	8.418	-1.541	-1.735	5.417	-804.791	1
43277_3277	43277	3277	16.273	-21.001	1.243	-3.601	3.688	-760.682	1
43277_3278	43277	3278	11.217	11.215	2.256	-2.018	29.07	-921.056	1
43278_3278	43278	3278	15.045	-26.121	1.126	-5.172	12.793	-680.083	1
43278_3279	43278	3279	10.965	11.587	2.203	-4.815	49.81	-1032.425	1
43279_3279	43279	3279	-46.917	-17.164	-0.614	13.838	36.323	-778.772	1
43279_3280	43279	3280	36.956	-12.303	0.181	2.199	23.943	-483.541	1
43280_3280	43280	3280	-45.157	-9.911	-0.245	1.8	31.361	-773.885	1
43280_3281	43280	3281	42.685	-10.326	-0.174	1.043	28.541	-414.403	1
43281_3281	43281	3281	-42.542	-12.974	-0.004	-0.39	26.792	-821.016	1
43281_3282	43281	3282	51.371	-8.209	-0.398	-0.32	32.817	-320.639	1
43282_3282	43282	3282	-38.471	-18.236	0.25	-2.531	23.185	-856.361	1
43282_3283	43282	3283	58.16	-6.952	-0.66	-1.326	33.197	-255.588	1
43283_3283	43283	3283	-34.951	-15.016	-1.277	0.963	22.572	-824.942	1
43283_3284	43283	3284	59.741	-3.804	-2.095	-0.063	18.277	-226.037	1
43284_3284	43284	3284	-30.465	-22.089	-0.854	-1.816	5.374	-846.968	1
43284_3285	43284	3285	55.045	-3.352	-2.328	-0.94	-9.168	-183.343	1
43285_3285	43285	3285	-27.661	-17.94	0.098	1.025	-2.827	-801.49	1
43285_3286	43285	3286	45.339	1.811	0.115	1.051	11.671	-203.414	1
43286_3286	43286	3286	-29.012	-13.411	0.173	-1.733	2.685	-826.251	1
43286_3287	43286	3287	47.509	1.974	-0.103	0.178	10.678	-223.347	1
43287_3287	43287	3287	-32.135	-9.56	0.118	1.301	5.168	-793.034	1
43287_3288	43287	3288	52.297	3.795	0.859	1.007	19.622	-262.684	1
43288_3288	43288	3288	-36.95	-16.689	0.365	-1.152	8.12	-817.631	1
43288_3289	43288	3289	52.302	6.441	0.616	0.062	22.413	-312.643	1
43289_3289	43289	3289	-42.689	-13.143	-0.054	1.619	14.942	-783.638	1
43289_3290	43289	3290	44.34	8.671	0.27	1.285	20.014	-380.301	1
43290_3290	43290	3290	-47.228	-17.987	0.139	0.168	16.987	-802.945	1
43290_3291	43290	3291	37.619	10.348	0.213	0.377	17.958	-453.624	1
43291_3291	43291	3291	-51.375	-22.405	0.347	-1.157	21.075	-784.037	1
43291_3292	43291	3292	32.58	12.195	0.175	-0.565	16.397	-541.953	1
43292_3292	43292	3292	-55.33	-17.026	-1.082	3.336	27.309	-745.775	1
43292_3293	43292	3293	32.575	12.774	-0.363	-2.192	15.486	-574.021	1
43293_3293	43293	3293	1.702	-4.366	-0.051	0.472	8.18	-549.301	1
43293_3294	43293	3294	0.435	-9.155	-0.144	2.442	13.814	-1002.182	1
43294_3294	43294	3294	1.898	-8.013	-0.329	-2.049	8.361	-693.239	1
43294_3295	43294	3295	0.734	-9.136	-0.15	-2.095	12.723	-912.556	1
43295_3295	43295	3295	2.697	-3.445	-0.048	2.498	2.678	-825.015	1
43295_3296	43295	3296	1.043	-6.788	-0.249	2.957	9.798	-838.579	1
43296_3296	43296	3296	4.002	6.666	0.111	-0.701	0.027	-1038.561	1
43296_3297	43296	3297	1.095	-6.658	-0.262	-0.582	8.026	-782.692	1
43297_3297	43297	3297	3.94	2.149	0.102	-3.737	1.382	-1173.048	1
43297_3298	43297	3298	1.198	-6.64	-0.266	-2.924	6.9	-753.77	1
43298_3298	43298	3298	3.976	7.334	0.369	2.883	2.168	-1228.976	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43298_3299	43298	3299	1.281	-5.203	0.173	1.752	8.272	-710.966	1
43299_3299	43299	3299	4.003	2.757	0.342	0.087	5.817	-1371.704	1
43299_3300	43299	3300	1.298	-5.199	0.17	0.192	9.543	-672.227	1
43300_3300	43300	3300	4.018	-1.455	0.308	-2.501	8.723	-1471.37	1
43300_3301	43300	3301	1.203	-5.127	0.166	-1.077	10.82	-635.831	1
43301_3301	43301	3301	4.011	3.432	-0.242	3.338	10.853	-1540.142	1
43301_3302	43301	3302	1.174	-4.308	-0.152	1.384	9.006	-583.697	1
43302_3302	43302	3302	3.986	-3.319	-0.24	-2.837	7.826	-1691.947	1
43302_3303	43302	3303	1.173	-4.308	-0.156	-0.839	7.098	-531.162	1
43303_3303	43303	3303	3.958	-0.226	-0.069	2.724	4.878	-1757.015	1
43303_3304	43303	3304	1.174	-3.811	-0.075	0.789	6.142	-482.281	1
43304_3304	43304	3304	3.935	-7.239	-0.08	-2.676	3.826	-1853.422	1
43304_3305	43304	3305	1.052	-3.78	-0.079	-0.669	5.299	-438.781	1
43305_3305	43305	3305	3.918	-2.966	-0.096	3.225	2.708	-1858.85	1
43305_3306	43305	3306	1.051	-3.497	-0.086	0.623	4.165	-392.52	1
43306_3306	43306	3306	3.933	-25.185	-0.11	-3.767	1.632	-1918.284	1
43306_3307	43306	3307	1.051	-3.497	-0.09	-0.833	3.177	-353.903	1
43307_3307	43307	3307	3.918	-20.649	-0.091	2.594	0.226	-1890.855	1
43307_3308	43307	3308	1.02	-3.353	-0.124	0.331	1.626	-311.766	1
43308_3308	43308	3308	3.902	-27.128	-0.1	-3.298	-1.132	-1910.273	1
43308_3309	43308	3309	1.02	-3.353	-0.127	-0.714	0.135	-272.524	1
43309_3309	43309	3309	3.874	-22.901	-0.113	2.284	-2.419	-1841.779	1
43309_3310	43309	3310	1.019	-3.323	-0.119	0.067	-1.279	-233.1	1
43310_3310	43310	3310	3.815	-29.22	-0.132	-2.603	-3.942	-1815.669	1
43310_3311	43310	3311	1.019	-3.323	-0.122	-0.616	-2.795	-191.853	1
43311_3311	43311	3311	3.692	-26.671	-0.04	1.92	-5.881	-1686.957	1
43311_3312	43311	3312	1.017	-3.436	-0.346	-0.126	-6.988	-150.248	1
43312_3312	43312	3312	3.48	-33.919	0.06	-2.639	-5.26	-1567.388	1
43312_3313	43312	3313	0.87	-3.421	-0.352	-0.597	-11.325	-108.633	1
43313_3313	43313	3313	3.131	-34.238	-0.289	0.78	-2.268	-1313.39	1
43313_3314	43313	3314	0.542	-3.332	0.352	-0.218	-6.925	-65.621	1
43314_3314	43314	3314	2.882	-48.084	-0.311	-2.699	-5.267	-988.136	1
43314_3315	43314	3315	-0.599	-2.774	0.163	-0.389	-6.333	-25.605	1
43315_3315	43315	3315	2.154	-59.226	0.895	1.881	-7.327	-467.843	1
43315_3316	43315	3316	-3.837	21.277	-0.994	-0.833	0	-27.749	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
3000_3000	3000	3000	2.451	29.8155	-0.1695	0.1965	0	8.5005	1
3000_3001	3000	3001	83.5365	-69.8145	0.1005	-0.153	1.4925	640.7205	1
3001_3001	3001	3001	5.6745	-5.01	0.159	-0.177	2.3715	44.6715	1
3001_3002	3001	3002	118.548	-58.149	0.1245	-0.0225	3.1425	907.227	1
3002_3002	3002	3002	9.9555	-5.016	-0.219	-0.195	3.9525	77.52	1
3002_3003	3002	3003	152.943	-48.4605	-0.1425	-0.303	1.6935	1168.419	1
3003_3003	3003	3003	14.979	-5.0475	-0.213	-0.1515	1.2585	115.9125	1
3003_3004	3003	3004	169.6965	-37.14	-0.162	0.096	-0.072	1295.994	1
3004_3004	3004	3004	20.019	-5.082	-0.0945	-0.18	-1.338	154.08	1
3004_3005	3004	3005	186.9915	-41.2125	-0.0525	-0.24	-0.771	1427.292	1
3005_3005	3005	3005	25.086	-5.082	-0.0945	-0.141	-2.481	192.4875	1
3005_3006	3005	3006	191.865	-31.3755	-0.0585	0.012	-1.6455	1464.242	1
3006_3006	3006	3006	30.159	-5.0325	-0.063	-0.1875	-3.6225	230.9265	1
3006_3007	3006	3007	202.0575	-37.7115	-0.045	-0.4005	-2.427	1541.367	1
3007_3007	3007	3007	35.178	-5.0325	-0.0615	-0.084	-4.38	268.962	1
3007_3008	3007	3008	201.24	-28.2075	-0.048	0.1425	-3.2865	1535.007	1
3008_3008	3008	3008	40.2	-4.977	-0.0525	-0.132	-5.1375	307.0275	1
3008_3009	3008	3009	206.4735	-34.6365	-0.0435	-0.213	-4.1145	1574.493	1
3009_3009	3009	3009	45.168	-4.9815	-0.0525	-0.069	-5.7585	344.7765	1
3009_3010	3009	3010	200.9505	-25.1565	-0.045	0.0465	-4.938	1532.471	1
3010_3010	3010	3010	50.1375	-4.92	-0.0555	-0.1365	-6.393	382.434	1
3010_3011	3010	3011	201.4305	-11.7255	-0.0525	-0.309	-5.2965	1536.273	1
3011_3011	3011	3011	55.044	-4.935	-0.054	0.018	-7.0215	419.808	1
3011_3012	3011	3012	192.2985	-1.6455	-0.0525	0.2325	-6.2385	1466.897	1
3012_3012	3012	3012	59.973	-5.055	-0.069	-0.048	-7.6455	457.335	1
3012_3013	3012	3013	188.4375	-7.539	-0.0675	-0.1035	-7.3065	1437.5	1
3013_3013	3013	3013	65.0175	-5.055	-0.069	0.042	-8.4915	495.561	1
3013_3014	3013	3014	173.7195	2.6415	-0.0675	0.1425	-8.316	1325.829	1
3014_3014	3014	3014	70.062	-5.4195	-0.0375	-0.0525	-9.336	533.793	1
3014_3015	3014	3015	156.576	1.7655	-0.072	-0.117	-9.567	1195.676	1
3015_3015	3015	3015	84.396	-5.1945	-0.0255	0.129	-6.768	603.003	1
3015_3016	3015	3016	150.327	9.129	-0.051	0.1905	-6.8925	1108.715	1
3016_3016	3016	3016	86.415	-5.9385	-0.021	-0.0015	-6.9825	633.7815	1
3016_3017	3016	3017	121.026	-12.4995	0.021	-0.0285	-5.8125	990.066	1
3017_3017	3017	3017	84.315	-5.8125	-0.0195	0.2475	-7.1445	695.9505	1
3017_3018	3017	3018	77.2065	-2.76	0.0195	0.195	-5.0295	785.781	1
3018_3018	3018	3018	76.5885	-6.504	-0.021	0.0525	-7.4355	772.305	1
3018_3019	3018	3019	42.678	1.011	0.003	0.03	-4.5255	554.88	1
3019_3019	3019	3019	67.254	-6.684	-0.021	0.4155	-7.632	857.526	1
3019_3020	3019	3020	21.4935	-1.692	-0.0225	0.174	-3.423	353.5575	1
3020_3020	3020	3020	65.169	35.3295	0.0975	-0.0285	-2.6415	560.103	1
3020_3021	3020	3021	112.245	-35.1225	0.0945	-0.003	-6.822	482.6925	1
3021_3021	3021	3021	41.274	27.8205	0.09	0.036	-2.3265	365.787	1
3021_3022	3021	3022	117.5955	-30.162	0.0465	0.0615	-4.434	539.184	1
3022_3022	3022	3022	23.2635	22.2915	0.099	0.0435	-2.409	263.0505	1
3022_3023	3022	3023	120.156	-32.322	0.0135	0.0465	-3.4275	617.853	1
3023_3023	3023	3023	9.0975	1.8645	0.081	0.045	-4.245	147.75	1
3023_3024	3023	3024	124.6065	-32.3055	0.063	0.0195	-2.5005	678.813	1
3024_3024	3024	3024	7.7055	1.7835	0.0765	0.042	-3.4245	131.5155	1
3024_3025	3024	3025	125.634	-25.452	0.0495	0.006	-1.7475	713.388	1
3025_3025	3025	3025	6.4005	1.716	0.0735	0.0525	-2.709	117.3315	1
3025_3026	3025	3026	123.705	-18.024	0.0345	0.066	-1.188	721.4715	1
3026_3026	3026	3026	5.118	1.6605	0.069	0.033	-2.1195	108.744	1
3026_3027	3026	3027	125.58	-23.3715	0.042	-0.084	-0.7785	746.127	1
3027_3027	3027	3027	4.212	1.611	0.069	0.0465	-1.659	98.88	1
3027_3028	3027	3028	125.7255	-17.757	0.027	0.0195	-0.5295	755.499	1
3028_3028	3028	3028	3.3345	1.533	0.0645	0.045	-1.2075	87.603	1
3028_3029	3028	3029	123.627	-27.825	-0.0345	-0.033	-0.5565	741.9405	1
3029_3029	3029	3029	2.487	1.509	0.0645	0.0555	-0.819	80.4135	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3029_3030	3029	3030	121.0695	-22.605	-0.0495	0.0585	-0.8715	716.2905	1
3030_3030	3030	3030	2.478	-0.843	-0.0165	-0.0225	0.5925	-42.4635	1
3030_3031	3030	3031	121.917	-25.6515	-0.045	-0.1005	-1.332	706.3755	1
3031_3031	3031	3031	3.153	-0.978	-0.0225	-0.03	0.489	-44.1915	1
3031_3032	3031	3032	119.598	-18.7845	-0.06	-0.0435	-1.983	669.7725	1
3032_3032	3032	3032	3.915	-1.077	-0.0285	-0.039	0.285	-43.158	1
3032_3033	3032	3033	113.715	-12.6075	-0.0765	0.0135	-2.8335	606.447	1
3033_3033	3033	3033	4.746	-1.134	-0.066	-0.027	0.0045	-40.194	1
3033_3034	3033	3034	109.305	-12.6975	-0.027	-0.1215	-3.3435	551.2815	1
3034_3034	3034	3034	19.1565	-25.2	-0.0945	0.006	-1.8345	236.6175	1
3034_3035	3034	3035	102.336	-16.092	-0.0705	-0.003	-4.6215	458.5995	1
3035_3035	3035	3035	35.322	-28.9665	-0.1185	-0.036	-2.775	367.6695	1
3035_3036	3035	3036	93.186	-11.457	-0.117	-0.0765	-7.9575	375.0135	1
3036_3036	3036	3036	77.019	40.146	0	0.2775	6.012	864.987	1
3036_3037	3036	3037	23.5635	-51.588	-0.012	-0.2115	-3.6675	510.3	1
3037_3037	3037	3037	65.4135	31.3725	0.0135	0.192	5.961	565.3575	1
3037_3038	3037	3038	52.755	-42.405	0.009	-0.0825	-4.116	711.7365	1
3038_3038	3038	3038	54.663	7.9335	0.0045	-0.2325	-5.8005	678.366	1
3038_3039	3038	3039	87.7575	-37.6305	-0.042	-0.24	-5.0025	885.24	1
3039_3039	3039	3039	59.823	7.5945	0.0075	-0.009	-5.7465	585.531	1
3039_3040	3039	3040	111.0885	-27.984	-0.0405	-0.0045	-5.8605	958.329	1
3040_3040	3040	3040	58.7235	6.54	0.039	-0.0945	-5.6595	517.0905	1
3040_3041	3040	3041	124.77	-32.3625	0.051	-0.1365	-5.6325	1032.894	1
3041_3041	3041	3041	62.8695	6.483	0.0195	-0.003	-2.5185	443.6715	1
3041_3042	3041	3042	149.289	-18.4845	0.021	-0.0015	-2.4495	1010.622	1
3042_3042	3042	3042	52.6395	5.7465	0.0075	-0.0105	-2.208	376.9335	1
3042_3043	3042	3043	161.1735	-23.5905	0.009	-0.048	-2.424	1080.069	1
3043_3043	3043	3043	45.8085	5.7465	0.0075	0.0135	-2.127	335.5665	1
3043_3044	3043	3044	163.3665	-30.8055	0.0045	-0.0015	-2.439	1077.26	1
3044_3044	3044	3044	38.9925	5.496	0.009	0	-2.0235	291.027	1
3044_3045	3044	3045	173.232	-36.354	-0.0015	-0.1005	-2.4315	1132.965	1
3045_3045	3045	3045	32.4615	5.4945	0.009	0.0375	-1.923	251.361	1
3045_3046	3045	3046	170.133	-26.1585	-0.0015	0.0465	-2.421	1111.973	1
3046_3046	3046	3046	34.2195	-5.79	-0.0135	-0.024	-1.854	222.957	1
3046_3047	3046	3047	174.5385	-31.9755	-0.003	-0.0075	-2.409	1138.155	1
3047_3047	3047	3047	41.118	-5.8305	-0.0135	-0.0225	-2.0265	266.1735	1
3047_3048	3047	3048	166.746	-21.972	-0.006	-0.009	-2.424	1091.462	1
3048_3048	3048	3048	48.0675	-5.9265	-0.015	-0.003	-2.196	309.75	1
3048_3049	3048	3049	165.459	-27.2235	-0.0075	0.012	-2.442	1084.578	1
3049_3049	3049	3049	55.125	-5.937	-0.015	-0.0045	-2.37	352.8555	1
3049_3050	3049	3050	153.9915	-17.5155	-0.0105	-0.0015	-2.472	1014.347	1
3050_3050	3050	3050	62.1885	-6.27	-0.0135	0.0045	-2.541	396.654	1
3050_3051	3050	3051	145.5435	-20.211	-0.021	-0.0015	-2.6325	958.398	1
3051_3051	3051	3051	68.751	-6.189	-0.0165	0.072	-3.2265	476.235	1
3051_3052	3051	3052	124.0275	-12.117	-0.027	0.0795	-3.183	921.3885	1
3052_3052	3052	3052	72.0495	-6.6705	-0.0075	0.018	-3.36	510.7785	1
3052_3053	3052	3053	102.4755	-13.5255	0.0225	0.003	-2.7195	848.3835	1
3053_3053	3053	3053	65.982	-6.771	-0.009	0.2685	-4.71	606.255	1
3053_3054	3053	3054	59.4375	-4.047	0.0255	0.21	-3.0555	728.0145	1
3054_3054	3054	3054	61.131	-7.2105	-0.021	0.042	-4.8525	687.3525	1
3054_3055	3054	3055	32.343	-0.1695	-0.0015	0.0165	-2.8485	524.6025	1
3055_3055	3055	3055	59.682	-30.2985	0.0045	-0.27	4.497	540.3075	1
3055_3056	3055	3056	27.033	-4.3185	0.0045	-0.126	0.813	211.3335	1
3056_3056	3056	3056	52.704	34.8795	0.081	-0.0075	-2.0535	514.3725	1
3056_3057	3056	3057	106.578	-43.824	0.042	0.0195	-3.7755	527.1165	1
3057_3057	3057	3057	28.077	25.1085	0.084	0.087	-2.124	346.5765	1
3057_3058	3057	3058	113.3835	-38.1225	0.018	0.1185	-2.8095	613.2525	1
3058_3058	3058	3058	11.952	21.426	0.0885	0.099	-1.8735	242.3295	1
3058_3059	3058	3059	117.2325	-31.842	0.003	0.096	-2.424	675.333	1
3059_3059	3059	3059	7.9815	1.5465	0.048	0.081	-2.862	136.35	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3059_3060	3059	3060	122.259	-31.896	0.0495	-0.0195	-1.7445	744.3915	1
3060_3060	3060	3060	6.945	1.4895	0.048	0.105	-2.3955	123.5475	1
3060_3061	3060	3061	123.918	-24.9825	0.039	0.1125	-1.2045	784.3035	1
3061_3061	3061	3061	5.946	1.4385	0.045	0.1005	-1.959	111.654	1
3061_3062	3061	3062	122.643	-17.517	0.03	0.0855	-0.777	795.0375	1
3062_3062	3062	3062	6.48	-1.395	-0.048	-0.1065	-0.294	80.2905	1
3062_3063	3062	3063	124.68	-23.013	0.0255	0.018	-0.519	822.132	1
3063_3063	3063	3063	7.2015	-1.395	-0.048	-0.1065	-0.5775	85.7775	1
3063_3064	3063	3064	125.0265	-17.424	0.0165	-0.009	-0.3675	832.6245	1
3064_3064	3064	3064	7.9305	-1.4175	-0.048	-0.108	-0.867	92.9925	1
3064_3065	3064	3065	124.1745	-27.939	-0.0285	-0.117	-0.492	821.391	1
3065_3065	3065	3065	8.676	-1.4445	-0.048	-0.081	-1.1715	100.707	1
3065_3066	3065	3066	121.8825	-22.761	-0.0405	0.078	-0.7665	793.4625	1
3066_3066	3066	3066	9.4335	-1.521	-0.051	-0.117	-1.5015	110.382	1
3066_3067	3066	3067	122.844	-26.01	-0.039	-0.1605	-1.1745	781.8465	1
3067_3067	3067	3067	10.4835	-1.521	-0.051	-0.117	-1.905	118.3635	1
3067_3068	3067	3068	120.9075	-19.1055	-0.0465	-0.198	-1.698	741.381	1
3068_3068	3068	3068	11.5635	-1.572	-0.051	-0.063	-2.382	131.019	1
3068_3069	3068	3069	115.6785	-12.894	-0.063	0.075	-2.385	672.4785	1
3069_3069	3069	3069	12.645	-1.707	-0.0705	-0.1125	-2.79	139.251	1
3069_3070	3069	3070	111.7455	-13.002	-0.021	-0.213	-2.7795	611.3085	1
3070_3070	3070	3070	13.7865	-1.764	-0.072	-0.0825	-3.45	153.42	1
3070_3071	3070	3071	104.88	-16.233	-0.0525	-0.126	-3.7545	503.9535	1
3071_3071	3071	3071	27.924	-27.735	-0.09	0.012	-1.9695	348.51	1
3071_3072	3071	3072	96.4185	-11.4165	-0.087	-0.0645	-5.772	404.2635	1
3072_3072	3072	3072	64.14	44.4975	-0.021	0.3435	4.773	765.6855	1
3072_3073	3072	3073	25.8075	-51.936	0	-0.258	-2.979	531.195	1
3073_3073	3073	3073	53.778	7.0215	0.018	-0.1065	-5.049	782.805	1
3073_3074	3073	3074	54.8745	-42.4395	0.0165	-0.093	-3.192	741.225	1
3074_3074	3074	3074	61.0755	6.531	0.0135	-0.3285	-4.8015	699.627	1
3074_3075	3074	3075	89.5395	-37.4265	-0.0195	-0.345	-3.6675	923.355	1
3075_3075	3075	3075	73.395	6.3345	0.0105	0.015	-3.3915	585.996	1
3075_3076	3075	3076	124.4865	-27.4305	-0.012	0.027	-3.015	948.8055	1
3076_3076	3076	3076	73.3665	5.6505	0.009	-0.1305	-3.2655	527.8335	1
3076_3077	3076	3077	140.5875	-32.2155	0.0105	-0.21	-3.0015	1030.82	1
3077_3077	3077	3077	65.4495	5.724	0.0135	0.0375	-4.587	497.604	1
3077_3078	3077	3078	140.8935	-38.0055	0.015	0.0195	-4.383	1114.143	1
3078_3078	3078	3078	58.254	5.5305	0.027	0	-4.3815	440.439	1
3078_3079	3078	3079	154.584	-41.9595	0.0165	-0.06	-4.1625	1205.639	1
3079_3079	3079	3079	52.872	5.5305	0.027	0	-4.077	401.415	1
3079_3080	3079	3080	158.151	-32.331	0.0135	-0.0765	-3.975	1224.908	1
3080_3080	3080	3080	47.5395	5.3055	0.021	0.012	-3.738	356.8725	1
3080_3081	3080	3081	167.4585	-38.1615	0.003	-0.1365	-3.8985	1287.584	1
3081_3081	3081	3081	42.3795	5.211	0.021	0.06	-3.4575	314.397	1
3081_3082	3081	3082	166.5105	-28.6215	0.0015	0.0285	-3.828	1278.072	1
3082_3082	3082	3082	37.311	5.1495	0.024	0.045	-3.195	275.7795	1
3082_3083	3082	3083	171.732	-34.2225	-0.006	-0.111	-3.84	1315.713	1
3083_3083	3083	3083	32.517	-5.0145	-0.027	-0.0375	-2.802	242.2845	1
3083_3084	3083	3084	165.786	-5.643	-0.0015	0.099	-3.8895	1272.759	1
3084_3084	3084	3084	37.7895	-5.076	-0.0255	-0.0555	-3.159	282.6825	1
3084_3085	3084	3085	166.554	-12.4155	0	-0.063	-3.891	1278.204	1
3085_3085	3085	3085	42.7485	-5.109	-0.0255	-0.003	-3.4665	320.2905	1
3085_3086	3085	3086	157.0455	-2.4195	-0.0015	0.126	-3.9015	1211.331	1
3086_3086	3086	3086	47.7435	-5.211	-0.0255	-0.0225	-3.7695	358.821	1
3086_3087	3086	3087	153.369	-8.595	-0.015	-0.018	-4.059	1188.515	1
3087_3087	3087	3087	52.8285	-5.223	-0.0255	0.039	-4.062	396.2595	1
3087_3088	3087	3088	140.415	-17.25	-0.015	0.1005	-4.0125	1107.335	1
3088_3088	3088	3088	57.918	-5.511	-0.0315	0	-4.3485	434.7645	1
3088_3089	3088	3089	131.238	-19.2465	-0.0405	-0.024	-4.353	1039.794	1
3089_3089	3089	3089	63.6345	-5.4285	-0.027	0.1455	-4.293	509.772	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3089_3090	3089	3090	115.0035	-12.528	-0.036	0.1755	-4.0755	1005.29	1
3090_3090	3090	3090	66.042	-5.8755	-0.009	-0.003	-4.5225	541.8885	1
3090_3091	3090	3091	93.909	-13.8495	0.0255	-0.0285	-3.5235	917.0445	1
3091_3091	3091	3091	64.581	-5.8245	-0.0105	0.2745	-5.8365	604.7955	1
3091_3092	3091	3092	58.1805	-3.9045	0.027	0.2115	-3.7125	738.9645	1
3092_3092	3092	3092	59.1795	-6.2865	-0.033	0.1005	-5.991	677.6865	1
3092_3093	3092	3093	31.0485	-0.1215	-0.0075	0.0555	-3.579	524.3655	1
3093_3093	3093	3093	52.1325	-6.768	-0.033	0.408	-6.309	765.135	1
3093_3094	3093	3094	20.9445	-4.749	0.0045	-0.108	0.303	217.4265	1
3094_3094	3094	3094	49.9095	33.1005	0.1065	-0.036	-2.637	514.623	1
3094_3095	3094	3095	104.5755	-35.1255	0.063	-0.012	-4.794	501.2565	1
3095_3095	3095	3095	24.696	24.597	0.141	0.114	-3.147	354.7125	1
3095_3096	3095	3096	107.514	-38.268	0.0165	0.1515	-4.2075	628.7565	1
3096_3096	3096	3096	10.7115	1.3125	0.0975	0.0825	-4.6665	130.257	1
3096_3097	3096	3097	110.7	-31.827	-0.006	0.126	-3.735	692.0385	1
3097_3097	3097	3097	9.894	1.2075	0.081	0.063	-3.9135	123.348	1
3097_3098	3097	3098	115.131	-32.136	0.0795	-0.027	-2.7075	763.764	1
3098_3098	3098	3098	9.135	1.155	0.078	0.087	-3.15	111.876	1
3098_3099	3098	3099	116.3775	-25.083	0.0615	0.1275	-1.8915	804.789	1
3099_3099	3099	3099	8.4015	1.1085	0.075	0.0825	-2.4465	101.3115	1
3099_3100	3099	3100	114.834	-17.448	0.0495	0.105	-1.245	814.725	1
3100_3100	3100	3100	7.689	1.1265	0.075	0.1455	-1.851	95.2845	1
3100_3101	3100	3101	116.6985	-23.4585	0.0315	0.612	-0.9255	843.7755	1
3101_3101	3101	3101	7.1475	1.1265	0.075	0.1455	-1.3995	90.696	1
3101_3102	3101	3102	116.9685	-17.784	0.018	0.687	-0.7605	855.327	1
3102_3102	3102	3102	6.6315	1.0545	0.0645	0.0015	-0.942	80.601	1
3102_3103	3102	3103	115.8675	-28.035	-0.0285	-0.7395	-1.014	845.1585	1
3103_3103	3103	3103	6.126	1.0545	0.066	0.027	-0.552	76.308	1
3103_3104	3103	3104	113.712	-22.7595	-0.048	-0.42	-1.386	816.4365	1
3104_3104	3104	3104	6.207	-1.3335	-0.0705	-0.114	-2.28	109.17	1
3104_3105	3104	3105	114.8745	-26.391	-0.0615	-0.2025	-2.085	806.8905	1
3105_3105	3105	3105	7.0635	-1.3335	-0.069	-0.087	-2.8455	116.415	1
3105_3106	3105	3106	113.2425	-19.329	-0.078	-0.0435	-2.988	766.11	1
3106_3106	3106	3106	7.9425	-1.4115	-0.075	-0.0915	-3.576	130.9005	1
3106_3107	3106	3107	108.438	-12.9645	-0.0915	-0.069	-4.0665	694.5645	1
3107_3107	3107	3107	8.8485	-1.527	-0.0975	-0.087	-4.1715	138.573	1
3107_3108	3107	3108	104.9115	-13.2165	-0.018	-0.1125	-4.608	631.5735	1
3108_3108	3108	3108	9.816	-1.581	-0.1005	-0.0915	-5.094	151.8975	1
3108_3109	3108	3109	98.4495	-16.2195	-0.06	-0.1545	-6.0195	518.559	1
3109_3109	3109	3109	25.0635	-26.898	-0.117	-0.009	-2.511	341.385	1
3109_3110	3109	3110	92.769	-11.2455	-0.0825	-0.081	-6.8655	403.98	1
3110_3110	3110	3110	62.7195	42.2145	-0.045	0.333	7.161	748.5315	1
3110_3111	3110	3111	25.0005	-51.483	0.012	-0.3045	-4.0905	541.9095	1
3111_3111	3111	3111	51.7425	7.566	0.0375	-0.048	-6.8685	796.506	1
3111_3112	3111	3112	53.0355	-41.658	0.0345	-0.0495	-4.2885	750.015	1
3112_3112	3112	3112	58.6395	6.8745	0.018	-0.3045	-6.3825	705.4965	1
3112_3113	3112	3113	86.3055	-36.78	-0.0225	-0.2985	-4.932	929.727	1
3113_3113	3113	3113	64.995	6.753	0.015	0.0255	-4.872	617.118	1
3113_3114	3113	3114	108.945	-26.517	-0.015	0.0375	-4.392	993.6585	1
3114_3114	3114	3114	64.6935	6.2565	0.036	-0.084	-4.692	553.446	1
3114_3115	3114	3115	121.6455	-31.332	0.0495	-0.0765	-4.131	1068.042	1
3115_3115	3115	3115	68.3595	6.333	0.03	-0.0165	-3.654	465.7155	1
3115_3116	3115	3116	142.542	-18.1515	0.039	-0.033	-3.006	1007.003	1
3116_3116	3116	3116	59.8305	5.97	0.021	-0.0345	-3.2205	408.336	1
3116_3117	3116	3117	152.9535	-23.6145	0.0165	-0.1275	-2.8845	1071.551	1
3117_3117	3117	3117	53.577	5.9265	0.0225	0.048	-2.979	366.129	1
3117_3118	3117	3118	154.5075	-13.299	0.0195	0.0945	-2.7015	1077.045	1
3118_3118	3118	3118	47.37	5.8485	0.0225	-0.0015	-2.727	324.798	1
3118_3119	3118	3119	162.9585	-36.7455	0.015	-0.141	-2.478	1118.96	1
3119_3119	3119	3119	41.253	5.802	0.024	0.063	-2.46	283.428	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3119_3120	3119	3120	160.215	-9.525	0.018	0.114	-2.3115	1104.521	1
3120_3120	3120	3120	35.2005	5.6955	0.024	0.0405	-2.178	241.362	1
3120_3121	3120	3121	165.3405	-15.879	0.012	-0.036	-2.139	1134.197	1
3121_3121	3121	3121	28.8315	5.5875	0.024	0.06	-1.86	196.683	1
3121_3122	3121	3122	157.446	-4.7415	0.012	0.069	-1.9755	1082.631	1
3122_3122	3122	3122	23.067	-3.351	-0.009	-0.0225	-1.35	164.9625	1
3122_3123	3122	3123	156.8655	-11.8575	0.0105	-0.0225	-1.8375	1080.086	1
3123_3123	3123	3123	26.61	-3.4365	-0.0075	-0.0015	-1.467	191.655	1
3123_3124	3123	3124	144.8925	-1.482	0.0105	0.0855	-1.7145	1006.538	1
3124_3124	3124	3124	30.24	-3.603	-0.009	-0.0255	-1.569	218.001	1
3124_3125	3124	3125	139.674	-7.9815	-0.003	-0.0645	-1.7445	977.874	1
3125_3125	3125	3125	34.0545	-3.636	-0.009	0.03	-1.677	243.8685	1
3125_3126	3125	3126	124.443	-15.4815	-0.0045	0.1035	-1.722	895.107	1
3126_3126	3126	3126	37.914	-3.9855	-0.006	-0.0045	-1.77	273.5535	1
3126_3127	3126	3127	114.66	-17.8425	-0.0075	-0.03	-1.734	831.7035	1
3127_3127	3127	3127	44.6175	-4.002	-0.0045	0.048	-1.644	315.2625	1
3127_3128	3127	3128	103.7415	-11.0025	-0.0075	0.072	-1.581	768.072	1
3128_3128	3128	3128	46.7475	-4.764	-0.018	-0.012	-1.68	337.3485	1
3128_3129	3128	3129	83.5095	-13.008	-0.006	-0.042	-1.575	696.525	1
3129_3129	3129	3129	45.753	-14.2785	-0.024	-0.105	1.104	269.076	1
3129_3130	3129	3130	43.815	-3.2085	-0.0075	0.1785	-1.989	575.79	1
3130_3130	3130	3130	57.5775	-21.495	-0.051	-0.1665	1.617	444.4785	1
3130_3131	3130	3131	26.52	-5.577	-0.0285	-0.1035	-1.1595	238.7835	1
3131_3131	3131	3131	69.0375	-31.5135	-0.057	-0.1425	1.332	660.9345	1
3131_3132	3131	3132	25.836	-5.2095	-0.03	-0.018	-1.509	290.4195	1
3132_3132	3132	3132	57.138	34.7445	0.1485	0.159	-2.577	521.5665	1
3132_3133	3132	3133	98.226	-37.77	-0.1275	0.297	-1.284	401.349	1
3133_3133	3133	3133	31.719	26.418	0.117	0.0735	-1.1625	304.347	1
3133_3134	3133	3134	107.973	-40.1295	-0.129	0.2385	-1.7055	510.5235	1
3134_3134	3134	3134	14.7135	21.9225	0.0885	-0.18	-0.453	197.172	1
3134_3135	3134	3135	113.4645	-33.381	-0.099	-0.369	-2.277	578.946	1
3135_3135	3135	3135	8.307	-0.2565	0.024	0.021	-1.338	61.4745	1
3135_3136	3135	3136	119.775	-32.67	0.0615	0	-1.674	651.6255	1
3136_3136	3136	3136	8.4975	-0.2565	0.024	0.021	-1.143	62.7705	1
3136_3137	3136	3137	121.803	-25.326	0.057	-0.0165	-1.1265	691.9305	1
3137_3137	3137	3137	8.6895	-0.2625	0.0225	0.0285	-0.9225	61.437	1
3137_3138	3137	3138	120.1845	-17.388	0.0495	0.0675	-0.6495	701.496	1
3138_3138	3138	3138	8.883	-0.309	0.0195	0.0225	-0.7395	62.76	1
3138_3139	3138	3139	122.7885	-24.1005	0.018	-0.015	-0.504	731.5245	1
3139_3139	3139	3139	9.0555	-0.309	0.0195	0.0225	-0.6195	63.93	1
3139_3140	3139	3140	123.327	-18.18	0.012	-0.03	-0.426	744.3555	1
3140_3140	3140	3140	9.2265	-0.309	0.0195	0.0345	-0.501	65.1	1
3140_3141	3140	3141	121.026	-26.8185	-0.0195	0.072	-0.63	737.994	1
3141_3141	3141	3141	9.3975	-0.309	0.0195	0.0225	-0.381	66.2715	1
3141_3142	3141	3142	117.8415	-21.3405	-0.0225	-0.072	-0.81	710.0415	1
3142_3142	3142	3142	9.57	-0.3405	0.0195	0.0255	-0.261	67.4415	1
3142_3143	3142	3143	118.4355	-25.3245	-0.021	-0.0645	-1.062	701.5005	1
3143_3143	3143	3143	9.8265	-0.3525	0.021	0.0375	-0.0825	71.8335	1
3143_3144	3143	3144	115.365	-17.9865	-0.0285	0.0285	-1.3875	661.9785	1
3144_3144	3144	3144	10.086	-0.3525	0.021	0.027	0.081	73.6095	1
3144_3145	3144	3145	108.222	-11.3745	-0.03	-0.069	-1.752	591.6585	1
3145_3145	3145	3145	10.344	-0.357	0.042	0.033	0.243	75.384	1
3145_3146	3145	3146	102.4245	-11.481	0.0195	0.0135	-1.725	528.639	1
3146_3146	3146	3146	13.344	-23.073	-0.0675	-0.042	-0.801	210.4845	1
3146_3147	3146	3147	93.1965	-5.4555	0.0135	-0.0705	-1.809	443.541	1
3147_3147	3147	3147	28.944	-27.807	-0.0675	-0.015	-1.095	328.446	1
3147_3148	3147	3148	80.5125	-8.9835	-0.009	-0.0495	-2.4435	317.079	1
3148_3148	3148	3148	87.3165	35.3295	-0.012	0.1785	2.589	841.4835	1
3148_3149	3148	3149	33.123	3.3705	0.0015	0.0525	-0.0705	195.4215	1
3149_3149	3149	3149	77.448	28.0875	-0.0045	0.072	2.3535	559.479	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3149_3150	3149	3150	39.4515	-41.1615	0.009	-0.045	-1.7745	640.3125	1
3150_3150	3150	3150	67.746	19.9335	0	0.126	2.0415	369.681	1
3150_3151	3150	3151	69.3315	-36.03	-0.018	-0.081	-2.085	795.006	1
3151_3151	3151	3151	58.3155	12.7815	0.0075	0.024	1.266	216.603	1
3151_3152	3151	3152	98.6865	-26.025	-0.0165	-0.0285	-1.959	792.4485	1
3152_3152	3152	3152	49.7595	6.477	0.015	-0.0135	-2.0835	403.068	1
3152_3153	3152	3153	110.6535	-30.7005	0.018	-0.006	-1.8315	851.2725	1
3153_3153	3153	3153	49.3695	6.414	0.012	-0.003	-1.611	351.5055	1
3153_3154	3153	3154	122.982	-18.2535	0.0105	-0.009	-1.38	843.6105	1
3154_3154	3154	3154	40.3245	6.0585	0.0105	0	-1.443	296.094	1
3154_3155	3154	3155	131.8215	-23.079	0.009	-0.027	-1.3005	895.77	1
3155_3155	3155	3155	33.459	6.0045	0.0105	0.015	-1.329	255.1095	1
3155_3156	3155	3156	131.271	-12.726	0.0105	0.021	-1.206	892.0515	1
3156_3156	3156	3156	26.715	5.8155	0.0105	0.015	-1.188	211.401	1
3156_3157	3156	3157	136.407	-18.885	0.003	0.003	-1.182	920.0505	1
3157_3157	3157	3157	20.778	5.628	0.0105	0.015	-1.053	172.062	1
3157_3158	3157	3158	132.552	-9.4905	0.0015	-0.0015	-1.1775	896.91	1
3158_3158	3158	3158	15.1605	5.1105	0.0105	0.018	-0.861	127.6545	1
3158_3159	3158	3159	135.9375	-31.602	-0.0045	-0.0045	-1.209	916.887	1
3159_3159	3159	3159	18.6195	-4.4385	-0.0105	-0.012	-0.978	141.246	1
3159_3160	3159	3160	130.5645	-22.713	-0.006	-0.0075	-1.2495	887.4315	1
3160_3160	3160	3160	23.4375	-4.893	-0.0105	-0.012	-1.1505	181.158	1
3160_3161	3160	3161	130.815	-27.3945	-0.012	-0.0285	-1.3605	889.4055	1
3161_3161	3161	3161	29.0955	-5.124	-0.0105	0.0015	-1.2975	220.929	1
3161_3162	3161	3162	121.6695	-17.9565	-0.012	0.018	-1.4535	835.626	1
3162_3162	3162	3162	34.989	-5.5485	-0.012	0.0075	-1.416	258.585	1
3162_3163	3162	3163	116.7585	-19.7625	-0.0165	0.0165	-1.602	800.9895	1
3163_3163	3163	3163	41.046	-5.7405	-0.0135	0	-1.674	318.879	1
3163_3164	3163	3164	99.5235	-13.0755	-0.021	-0.027	-1.839	766.8675	1
3164_3164	3164	3164	49.7175	-10.977	-0.0105	-0.0225	1.026	140.5545	1
3164_3165	3164	3165	81.081	-14.124	0.0165	0.027	-1.5675	707.7915	1
3165_3165	3165	3165	61.137	-12.582	-0.0075	-0.093	1.2405	235.6455	1
3165_3166	3165	3166	44.0055	-4.5945	0.0135	0.0465	-1.4685	588.666	1
3166_3166	3166	3166	72.7725	-19.125	-0.0015	-0.0615	1.662	385.914	1
3166_3167	3166	3167	37.188	-4.6305	0.0015	-0.045	-0.111	224.6115	1
3167_3167	3167	3167	83.421	-27.7785	0.006	-0.138	1.911	581.325	1
3167_3168	3167	3168	36.4845	-3.996	0.0015	-0.0435	-0.09	269.2215	1
3168_3168	3168	3168	62.9475	36.1335	0.0525	-0.0105	-1.1115	509.976	1
3168_3169	3168	3169	96.93	-45.594	0.0015	-0.0165	-1.539	429.8115	1
3169_3169	3169	3169	35.412	27.78	0.045	0.027	-0.7425	315.9045	1
3169_3170	3169	3170	108.012	-39.663	-0.009	0.0375	-1.1145	507.903	1
3170_3170	3170	3170	15.789	23.997	0.0435	0.03	-0.5325	205.002	1
3170_3171	3170	3171	114.6945	-33.2385	-0.0165	0.03	-1.1025	571.2645	1
3171_3171	3171	3171	11.382	0.4455	-0.018	-0.0285	0.1245	82.626	1
3171_3172	3171	3172	122.634	-33.12	0.0165	0.0225	-0.87	640.899	1
3172_3172	3172	3172	11.034	0.4455	-0.018	-0.0285	-0.0225	80.4615	1
3172_3173	3172	3173	126.4875	-25.9965	0.012	0.0165	-0.6825	682.5375	1
3173_3173	3173	3173	10.692	0.4335	-0.018	-0.0285	-0.183	75.645	1
3173_3174	3173	3174	126.618	-18.288	0.009	0.009	-0.5445	695.847	1
3174_3174	3174	3174	10.3515	0.408	-0.0165	-0.018	-0.3225	73.5315	1
3174_3175	3174	3175	130.023	-23.8275	0.012	0.084	-0.4275	723.5145	1
3175_3175	3175	3175	10.1115	0.408	-0.0165	-0.03	-0.423	72.039	1
3175_3176	3175	3176	132.4065	-32.928	-0.0075	-0.078	-0.354	734.1645	1
3176_3176	3176	3176	9.8715	0.408	-0.0165	-0.018	-0.5235	70.548	1
3176_3177	3176	3177	131.805	-27.132	-0.015	0.042	-0.432	722.9235	1
3177_3177	3177	3177	9.6315	0.408	-0.0165	-0.03	-0.6225	69.0555	1
3177_3178	3177	3178	129.0405	-21.75	-0.0165	-0.081	-0.549	695.4195	1
3178_3178	3178	3178	9.3915	0.3795	-0.018	-0.0225	-0.7245	67.5645	1
3178_3179	3178	3179	129.7455	-24.945	-0.012	-0.045	-0.6825	682.329	1
3179_3179	3179	3179	9.0945	0.3795	-0.018	-0.0225	-0.867	65.7165	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3179_3180	3179	3180	126.7185	-17.8395	-0.015	-0.0555	-0.8565	641.0385	1
3180_3180	3180	3180	8.796	0.3795	-0.018	-0.015	-1.0095	63.8685	1
3180_3181	3180	3181	119.5605	-11.4345	-0.021	0.012	-1.0905	571.7025	1
3181_3181	3181	3181	8.5005	0.321	-0.021	-0.018	-1.1505	62.022	1
3181_3182	3181	3182	113.559	-11.226	0.0105	-0.0675	-1.086	508.347	1
3182_3182	3182	3182	18.009	-20.9895	-0.042	-0.006	-0.6375	212.2815	1
3182_3183	3182	3183	104.1735	-5.4675	0	-0.0045	-1.2	425.4855	1
3183_3183	3183	3183	35.5425	-27.9405	-0.048	-0.027	-0.804	320.9775	1
3183_3184	3183	3184	92.784	-9.2925	-0.015	-0.042	-1.8375	299.4705	1
3184_3184	3184	3184	89.3475	43.806	-0.0105	0.144	1.8375	910.893	1
3184_3185	3184	3185	25.3725	4.98	0.0045	0.048	-0.1995	181.3575	1
3185_3185	3185	3185	76.8765	32.415	-0.0015	0.0615	1.62	599.538	1
3185_3186	3185	3186	46.6455	-43.509	0.0045	-0.0405	-1.3215	573.927	1
3186_3186	3186	3186	63.8415	24.6885	0.009	0.1065	1.4565	379.665	1
3186_3187	3186	3187	81.648	-38.178	-0.0225	-0.0735	-1.65	739.7415	1
3187_3187	3187	3187	52.3515	5.8125	0.003	-0.0195	-1.749	396.435	1
3187_3188	3187	3188	111	-28.509	-0.0225	-0.027	-1.7895	784.503	1
3188_3188	3188	3188	50.823	5.0655	0.009	-0.018	-1.74	343.683	1
3188_3189	3188	3189	126.078	-32.0535	0.0105	-0.012	-1.7295	855.5535	1
3189_3189	3189	3189	48.702	5.154	0.0075	-0.006	-1.5105	321.705	1
3189_3190	3189	3190	137.8785	-20.091	0.0045	-0.015	-1.5375	926.535	1
3190_3190	3190	3190	41.5425	4.761	0.0075	0.003	-1.401	275.973	1
3190_3191	3190	3191	149.2755	-23.9235	0.0045	-0.0075	-1.5255	994.539	1
3191_3191	3191	3191	36.2835	4.644	0.0075	0.003	-1.311	239.8785	1
3191_3192	3191	3192	151.6395	-13.95	0.0015	-0.015	-1.5435	1006.841	1
3192_3192	3192	3192	31.1055	4.4385	0.0075	0.0135	-1.2075	204.69	1
3192_3193	3192	3193	158.9115	-36.267	-0.0045	-0.0165	-1.6095	1045.098	1
3193_3193	3193	3193	26.586	4.326	0.0075	0.0135	-1.1055	173.9445	1
3193_3194	3193	3194	157.221	-27.5265	-0.0075	-0.0225	-1.668	1035.294	1
3194_3194	3194	3194	28.293	-5.4555	-0.0135	-0.0195	-1.389	179.1195	1
3194_3195	3194	3195	161.217	-32.5455	-0.012	-0.0135	-1.7745	1059.866	1
3195_3195	3195	3195	33.9735	-5.6055	-0.0135	-0.021	-1.5555	217.278	1
3195_3196	3195	3196	156.585	-23.985	-0.0135	-0.018	-1.896	1033.199	1
3196_3196	3196	3196	39.8205	-5.877	-0.0165	0.003	-1.716	255.8985	1
3196_3197	3196	3197	156.5445	-27.903	-0.018	0.027	-2.061	1033.403	1
3197_3197	3197	3197	46.5285	-6.0135	-0.0165	-0.0165	-1.911	300.0855	1
3197_3198	3197	3198	147.5025	-18.864	-0.021	-0.0375	-2.247	978.198	1
3198_3198	3198	3198	53.3265	-6.6225	-0.0165	0.003	-2.097	344.097	1
3198_3199	3198	3199	141.129	-19.929	-0.018	-0.0045	-2.3685	934.8885	1
3199_3199	3199	3199	61.2195	-6.6255	-0.0165	0.039	-2.445	393.882	1
3199_3200	3199	3200	124.3815	-13.335	-0.0195	0.036	-2.58	851.6475	1
3200_3200	3200	3200	65.295	-7.194	-0.0105	0.0195	-2.586	428.541	1
3200_3201	3200	3201	102.3375	-13.305	0.012	0.0105	-2.2935	782.829	1
3201_3201	3201	3201	61.4625	-7.4925	-0.015	0.1845	-4.1355	527.421	1
3201_3202	3201	3202	58.6995	-4.272	0.015	0.1485	-3.006	676.95	1
3202_3202	3202	3202	58.671	-20.3475	0.003	-0.132	3.8955	348.384	1
3202_3203	3202	3203	30.4995	-0.198	-0.006	0.0825	-2.82	483.549	1
3203_3203	3203	3203	71.5065	-31.62	0.015	-0.2925	4.377	561.195	1
3203_3204	3203	3204	21.4845	-3.7635	0.003	-0.09	0.579	176.9115	1
3204_3204	3204	3204	65.3235	37.341	0.0615	0.0525	-1.65	547.2465	1
3204_3205	3204	3205	107.853	-44.283	0.0315	0.081	-3.441	492.8085	1
3205_3205	3205	3205	38.34	30.822	0.057	-0.0075	-1.4205	354.093	1
3205_3206	3205	3206	117.18	-38.859	0.0195	-0.006	-2.4345	578.829	1
3206_3206	3206	3206	18.7935	23.7735	0.0645	0.0315	-1.5495	248.4765	1
3206_3207	3206	3207	122.577	-32.976	0.0045	0.06	-2.0775	640.209	1
3207_3207	3207	3207	8.295	1.1535	0.045	0.048	-2.2755	95.6955	1
3207_3208	3207	3208	128.973	-32.427	0.033	0.0165	-1.5495	706.7205	1
3208_3208	3208	3208	7.428	1.1475	0.0435	0.048	-1.905	89.151	1
3208_3209	3208	3209	131.958	-25.8255	0.024	-0.003	-1.146	747.9	1
3209_3209	3209	3209	6.5655	1.1295	0.0435	0.057	-1.5255	81.4635	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3209_3210	3209	3210	131.9505	-18.66	0.0135	0.0795	-0.8805	764.001	1
3210_3210	3210	3210	6.696	-1.0215	-0.045	-0.0525	-0.2415	67.704	1
3210_3211	3210	3211	134.5365	-22.8705	0.0255	-0.0075	-0.6585	790.1355	1
3211_3211	3211	3211	7.275	-1.0215	-0.045	-0.0525	-0.5085	71.5215	1
3211_3212	3211	3212	135.8385	-33.9105	-0.0165	-0.0645	-0.5445	802.7655	1
3212_3212	3212	3212	7.8585	-1.035	-0.045	-0.0405	-0.7785	76.8765	1
3212_3213	3212	3213	135.4455	-28.458	-0.027	0.06	-0.6975	793.416	1
3213_3213	3213	3213	8.454	-1.053	-0.0465	-0.057	-1.059	82.7085	1
3213_3214	3213	3214	133.227	-23.37	-0.033	-0.084	-0.93	768.87	1
3214_3214	3214	3214	9.0525	-1.149	-0.0495	-0.042	-1.3725	90.1875	1
3214_3215	3214	3215	133.698	-25.4865	-0.0225	0.0315	-1.1925	754.74	1
3215_3215	3215	3215	9.9195	-1.149	-0.051	-0.054	-1.773	95.9085	1
3215_3216	3215	3216	131.154	-18.8775	-0.0285	-0.0765	-1.563	715.3785	1
3216_3216	3216	3216	10.7865	-1.149	-0.051	-0.054	-2.178	101.631	1
3216_3217	3216	3217	125.139	-12.9	-0.0375	-0.0825	-2.058	650.442	1
3217_3217	3217	3217	11.673	-1.269	-0.0495	-0.0435	-2.6655	111.2355	1
3217_3218	3217	3218	119.979	-12.3315	-0.0135	-0.0495	-2.3895	589.74	1
3218_3218	3218	3218	19.7535	-22.992	-0.0765	-0.1035	-1.7145	253.6905	1
3218_3219	3218	3219	111.99	-7.011	-0.024	-0.15	-2.8635	511.6035	1
3219_3219	3219	3219	37.74	-29.6595	-0.066	0.063	-1.743	357.1515	1
3219_3220	3219	3220	101.832	-11.379	-0.0615	0.006	-4.1775	379.5195	1
3220_3220	3220	3220	84.3165	43.0335	-0.015	0.18	3.876	867.3825	1
3220_3221	3220	3221	29.1615	-52.146	0.006	-0.3045	-2.412	493.608	1
3221_3221	3221	3221	70.458	33.9135	-0.009	0.252	3.5745	545.6955	1
3221_3222	3221	3222	60.2745	-43.806	0.024	-0.036	-2.49	688.866	1
3222_3222	3222	3222	65.9205	7.6875	0.024	-0.3735	-4.17	636.396	1
3222_3223	3222	3223	97.3575	-38.805	-0.024	-0.468	-2.9505	859.5615	1
3223_3223	3223	3223	75.723	7.56	0.0165	0.096	-2.517	516.6465	1
3223_3224	3223	3224	134.385	-29.802	-0.012	0.1245	-2.2125	886.8015	1
3224_3224	3224	3224	73.458	6.789	0.009	-0.1575	-2.3265	450.24	1
3224_3225	3224	3225	151.0965	-32.637	0.0045	-0.312	-2.2185	962.9235	1
3225_3225	3225	3225	66.12	7.0305	0.0105	0.069	-2.3775	440.0085	1
3225_3226	3225	3226	155.217	-19.683	0.006	0.1305	-2.34	1102.185	1
3226_3226	3226	3226	55.491	6.525	0.015	-0.078	-2.22	366.9645	1
3226_3227	3226	3227	166.713	-40.9635	0.0015	-0.354	-2.3505	1177.092	1
3227_3227	3227	3227	47.9115	6.3885	0.0165	0.081	-2.0175	313.8285	1
3227_3228	3227	3228	168.1275	-31.14	0.003	0.1635	-2.283	1185.41	1
3228_3228	3228	3228	40.4985	6.1605	0.0135	-0.0225	-1.8075	263.076	1
3228_3229	3228	3229	173.5875	-34.269	-0.0075	-0.3465	-2.337	1219.92	1
3229_3229	3229	3229	34.4595	-5.7345	-0.0135	0.006	-1.7175	222.687	1
3229_3230	3229	3230	167.073	-24.615	-0.006	0.192	-2.385	1178.229	1
3230_3230	3230	3230	41.277	-6.147	-0.0135	-0.108	-1.9155	273.795	1
3230_3231	3230	3231	164.7765	-26.997	-0.012	-0.309	-2.493	1162.733	1
3231_3231	3231	3231	48.684	-6.3855	-0.012	0.0525	-2.103	328.9665	1
3231_3232	3231	3232	151.746	-17.6385	-0.0105	0.201	-2.553	1077.03	1
3232_3232	3232	3232	56.2845	-7.026	-0.0075	-0.087	-2.2575	382.095	1
3232_3233	3232	3233	147.0135	-21.8085	0.0135	-0.153	-2.3745	1043.721	1
3233_3233	3233	3233	61.638	-7.128	-0.0075	-0.057	-2.319	419.4375	1
3233_3234	3233	3234	138.207	-16.203	0.0135	-0.096	-2.1975	983.637	1
3234_3234	3234	3234	66.6405	-7.068	-0.0105	0.108	-3.7125	457.7115	1
3234_3235	3234	3235	120.4425	-9.9225	0.0225	0.1725	-3.096	894.5655	1
3235_3235	3235	3235	70.9755	-7.6185	-0.039	-0.072	-3.807	499.2255	1
3235_3236	3235	3236	108.126	-11.424	-0.108	-0.0915	-3.6285	843.774	1
3236_3236	3236	3236	72.4575	-7.467	-0.0375	0.027	-4.026	532.398	1
3236_3237	3236	3237	94.839	-7.8645	-0.105	0.0255	-4.074	788.8035	1
3237_3237	3237	3237	61.941	-7.755	-0.057	0.4635	-6.642	619.467	1
3237_3238	3237	3238	55.6545	-2.6175	-0.144	0.4665	-7.4445	732.081	1
3238_3238	3238	3238	62.733	-21.0405	-0.1275	-0.336	6.2385	432.147	1
3238_3239	3238	3239	40.887	-10.7775	0.1065	-0.0465	-5.6565	652.6725	1
3239_3239	3239	3239	71.484	-24.6705	-0.1305	-0.2145	5.6625	609.855	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3239_3240	3239	3240	23.7765	-3.6585	0.0915	0.2865	-3.9615	507.6165	1
3240_3240	3240	3240	77.8575	-22.2075	-0.114	-0.669	4.872	831.705	1
3240_3241	3240	3241	21.3165	-6.276	0.0765	-0.5205	-0.7305	248.67	1
3241_3241	3241	3241	38.655	26.7	-0.03	-0.2235	-1.0245	519.015	1
3241_3242	3241	3242	126.3555	-29.946	-0.03	0.003	-6.54	680.181	1
3242_3242	3242	3242	20.745	22.4595	-0.0255	0.0405	-2.214	380.757	1
3242_3243	3242	3243	125.139	-23.7465	-0.0525	0.3885	-5.877	688.26	1
3243_3243	3243	3243	10.6065	0.993	0.117	0.063	-5.6655	116.9505	1
3243_3244	3243	3244	132.5205	-34.854	0.192	-0.1125	-3.411	781.641	1
3244_3244	3244	3244	9.8145	0.9915	0.117	0.1065	-4.5525	110.5455	1
3244_3245	3244	3245	136.542	-27.3675	0.1575	0.1365	-1.254	847.3875	1
3245_3245	3245	3245	8.9895	0.9975	0.0765	0.072	-3.363	103.857	1
3245_3246	3245	3246	140.382	-23.9685	0.024	-0.3	-0.675	903.717	1
3246_3246	3246	3246	8.1585	0.9975	0.078	0.1425	-2.604	97.263	1
3246_3247	3246	3247	140.025	-15.7185	-0.0075	0.285	-0.612	917.7675	1
3247_3247	3247	3247	7.3695	0.8865	0.0525	0.0825	-1.749	82.695	1
3247_3248	3247	3248	140.9445	-31.7385	0.0435	-0.357	-0.012	920.799	1
3248_3248	3248	3248	6.687	0.8865	0.054	0.129	-1.269	77.28	1
3248_3249	3248	3249	138.144	-23.214	0.0165	0.105	0.171	876.717	1
3249_3249	3249	3249	5.9085	0.8565	0.051	0.096	-0.708	71.004	1
3249_3250	3249	3250	134.6685	-19.641	-0.057	-0.297	-0.549	818.3025	1
3250_3250	3250	3250	6.363	-1.248	-0.0285	-0.078	-2.8665	120.522	1
3250_3251	3250	3251	128.5965	-13.1355	-0.069	0.054	-1.2915	734.865	1
3251_3251	3251	3251	7.386	-1.4745	-0.1425	-0.159	-3.282	136.0515	1
3251_3252	3251	3252	133.11	-24.8025	-0.3135	-0.4425	-3.9195	735.4575	1
3252_3252	3252	3252	8.424	-1.4745	-0.138	-0.0735	-4.482	144.2865	1
3252_3253	3252	3253	132.6495	-18.0015	-0.3825	-0.0585	-7.4895	697.7145	1
3253_3253	3253	3253	19.149	-22.0095	-0.0825	0.0495	-2.6775	354.5415	1
3253_3254	3253	3254	129.645	-12.372	-0.4065	0.0405	-10.743	634.1445	1
3254_3254	3254	3254	33.7485	-20.358	0.027	0.9915	-2.8785	462.2805	1
3254_3255	3254	3255	132.1635	-27.6855	0.3645	0.648	-9.8565	642.531	1
3255_3255	3255	3255	83.2245	31.425	-0.501	0.681	8.145	960.552	1
3255_3256	3255	3256	30.903	-41.637	0.3795	-0.4275	-2.454	609.8925	1
3256_3256	3256	3256	78.261	29.8035	-0.4935	0.798	2.877	725.0925	1
3256_3257	3256	3257	44.0715	-36.4425	0.4305	0.009	0.8475	680.5845	1
3257_3257	3257	3257	72.3885	33.921	0.2325	0.1335	-1.065	563.349	1
3257_3258	3257	3258	67.77	-46.065	-0.1875	-0.459	-0.7725	834.291	1
3258_3258	3258	3258	67.215	8.532	-0.168	-0.15	-2.943	709.737	1
3258_3259	3258	3259	89.754	-40.6125	-0.186	-0.189	-2.268	944.268	1
3259_3259	3259	3259	80.157	8.253	-0.105	0.141	-2.754	591.375	1
3259_3260	3259	3260	114.972	-38.7195	-0.114	0.177	-1.797	882.8745	1
3260_3260	3260	3260	79.8795	7.59	0.0075	-0.2175	-3.069	570.7725	1
3260_3261	3260	3261	135.0315	-38.397	-0.051	-0.2955	-2.136	962.4015	1
3261_3261	3261	3261	78.558	7.8675	0.0105	-0.0735	-3.033	526.623	1
3261_3262	3261	3262	152.637	-31.3935	-0.0555	-0.1215	-2.718	1044.482	1
3262_3262	3262	3262	75.726	8.0985	0.009	0.1005	-2.166	447.687	1
3262_3263	3262	3263	165.033	-25.323	-0.0405	0.1845	-2.379	1020.626	1
3263_3263	3263	3263	69.4665	7.32	0.0045	-0.075	-2.1015	410.754	1
3263_3264	3263	3264	178.557	-26.1	0	-0.1875	-2.4525	1101.881	1
3264_3264	3264	3264	61.155	7.278	0.0045	0.012	-2.055	362.697	1
3264_3265	3264	3265	184.005	-17.0565	-0.003	0.0495	-2.5545	1135.865	1
3265_3265	3265	3265	52.5255	6.891	0.0075	-0.051	-1.9935	311.7435	1
3265_3266	3265	3266	192.555	-18.483	-0.0015	-0.234	-2.628	1186.034	1
3266_3266	3266	3266	44.4675	6.8565	0.0075	0.042	-1.9035	265.2945	1
3266_3267	3266	3267	190.476	-9.4515	0	0.1545	-2.691	1175.822	1
3267_3267	3267	3267	36.6885	6.4485	0.0075	-0.006	-1.7595	215.4435	1
3267_3268	3267	3268	190.6515	-11.295	-0.012	-0.1635	-2.88	1178.279	1
3268_3268	3268	3268	36.942	-6.306	-0.015	-0.0045	-2.067	248.4495	1
3268_3269	3268	3269	180.312	-22.353	-0.018	0.078	-3.057	1123.19	1
3269_3269	3269	3269	44.298	-6.705	-0.0195	-0.084	-2.2515	292.491	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3269_3270	3269	3270	171.981	-22.521	-0.0015	-0.195	-2.97	1075.305	1
3270_3270	3270	3270	52.671	-6.822	-0.0165	0.036	-2.49	342.9855	1
3270_3271	3270	3271	154.6875	-14.175	0.003	0.138	-2.778	974.784	1
3271_3271	3271	3271	61.026	-7.347	0.0165	-0.1425	-2.694	390.8055	1
3271_3272	3271	3272	145.7115	-15.4965	-0.0255	-0.2145	-2.8395	921.4125	1
3272_3272	3272	3272	61.9125	-7.2705	0.0255	-0.0195	-3.456	457.635	1
3272_3273	3272	3273	117.2925	-9.342	-0.0255	-0.0045	-3.816	904.23	1
3273_3273	3273	3273	66.5955	-7.194	0.027	0.222	-3.2055	506.751	1
3273_3274	3273	3274	95.061	-4.5765	-0.015	0.3315	-3.6615	802.9335	1
3274_3274	3274	3274	67.734	-9.843	0.1305	-0.15	-2.991	551.0115	1
3274_3275	3274	3275	92.526	-20.487	0.1455	-0.156	-3.234	798.3165	1
3275_3275	3275	3275	59.1255	-10.1745	0.207	-0.0555	-4.2405	621.9795	1
3275_3276	3275	3276	65.5215	-14.6235	0.21	-0.078	-2.6655	826.08	1
3276_3276	3276	3276	66.5385	-22.842	-0.2715	-0.129	3.7935	440.04	1
3276_3277	3276	3277	48.912	-8.79	0.1965	0.309	-0.489	738.7095	1
3277_3277	3277	3277	74.664	-20.514	0.2505	-0.726	1.497	589.7355	1
3277_3278	3277	3278	35.8965	-13.92	-0.147	0.6165	-1.662	670.5105	1
3278_3278	3278	3278	79.428	-21.336	0.2445	-0.7065	4.1655	758.295	1
3278_3279	3278	3279	22.695	-6.1905	0.1875	-0.4125	2.8845	260.3205	1
3279_3279	3279	3279	31.506	20.934	-0.0315	0.1305	-1.95	489.5445	1
3279_3280	3279	3280	135.7305	-24.258	0.084	-2.3535	-4.0215	725.2845	1
3280_3280	3280	3280	24.219	22.8585	0.018	-0.153	-2.0775	431.7315	1
3280_3281	3280	3281	138.162	-33.3405	0.018	-0.3735	-3.4365	764.928	1
3281_3281	3281	3281	15.219	18.7575	0.03	0.0315	-2.361	359.2755	1
3281_3282	3281	3282	139.0725	-25.935	-0.015	-0.0015	-2.664	782.97	1
3282_3282	3282	3282	9.252	1.1925	0.111	0.0525	-1.4325	-31.467	1
3282_3283	3282	3283	134.175	-19.2135	-0.0375	0.321	-2.5935	770.718	1
3283_3283	3283	3283	11.0415	1.296	0.1365	0.1215	-1.6455	-52.0035	1
3283_3284	3283	3284	115.623	-20.796	0.339	-0.4035	-1.875	867.9675	1
3284_3284	3284	3284	9.9435	1.2915	0.117	0.0555	0.0555	-63.3945	1
3284_3285	3284	3285	108.141	-10.1415	0.189	0.4095	0.9855	821.3175	1
3285_3285	3285	3285	8.9055	1.4745	-0.009	0.126	1.4115	-72.4335	1
3285_3286	3285	3286	112.0245	-33.0645	-0.0165	-0.5055	-0.936	846.7365	1
3286_3286	3286	3286	7.7355	1.4205	-0.033	0.0255	1.233	-82.0065	1
3286_3287	3286	3287	112.212	-23.754	-0.0585	0.327	-1.803	812.7165	1
3287_3287	3287	3287	6.7425	1.41	0.096	0.1035	0.7455	-87.1485	1
3287_3288	3287	3288	119.8605	-28.431	-0.084	-0.453	-2.832	837.9015	1
3288_3288	3288	3288	5.661	1.3455	0.078	0.0105	1.7025	-94.1145	1
3288_3289	3288	3289	122.8335	-28.053	-0.1995	0.1455	-5.691	762.165	1
3289_3289	3289	3289	4.656	1.371	-0.012	0.117	2.3955	-99.8415	1
3289_3290	3289	3290	130.068	-34.6545	-0.0375	-0.534	-6.5445	786.7575	1
3290_3290	3290	3290	3.879	1.347	-0.0225	0.0525	2.232	-106.122	1
3290_3291	3290	3291	133.221	-28.8465	-0.111	-0.132	-8.118	774.831	1
3291_3291	3291	3291	6.9195	-20.817	-0.072	0.168	-4.2465	433.158	1
3291_3292	3291	3292	134.1705	-23.832	-0.1845	0.195	-10.599	751.3335	1
3292_3292	3292	3292	18.06	-21.6255	0.081	1.1925	-4.416	543.882	1
3292_3293	3292	3293	136.305	-34.797	0.4245	-0.7305	-9.834	761.523	1
3293_3293	3293	3293	49.674	12.645	0.051	-0.87	-5.334	1196.061	1
3293_3294	3293	3294	30.594	-41.844	0.1125	-0.3795	-2.8815	758.7825	1
3294_3294	3294	3294	53.931	12.654	0.054	0.609	-5.055	1096.922	1
3294_3295	3294	3295	46.527	-35.2545	0.2295	0.5145	-1.05	892.3005	1
3295_3295	3295	3295	56.805	9.315	0.0885	-0.9615	-4.44	987.021	1
3295_3296	3295	3296	69.009	-41.0805	-0.012	-1.011	-0.2475	1104.633	1
3296_3296	3296	3296	59.4585	9.2415	0.093	0.159	-3.6255	896.337	1
3296_3297	3296	3297	84.5415	-56.1	-0.0405	0.0885	-0.4755	1248.774	1
3297_3297	3297	3297	68.94	9.204	0.063	0.5175	-1.9305	770.307	1
3297_3298	3297	3298	107.1555	-52.2705	-0.0255	0.6	-0.5355	1207.562	1
3298_3298	3298	3298	67.4205	7.335	-0.042	-0.315	-1.641	740.745	1
3298_3299	3298	3299	121.6125	-56.181	-0.084	-0.549	-1.392	1346.837	1
3299_3299	3299	3299	63.9855	7.272	-0.0405	-0.0345	-2.0085	697.275	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3299_3300	3299	3300	130.8375	-50.136	-0.075	-0.054	-2.091	1443.648	1
3300_3300	3300	3300	51.873	7.299	-0.0615	0.3315	-3.546	708.0315	1
3300_3301	3300	3301	117.3645	-44.97	-0.099	0.666	-3.9825	1622.561	1
3301_3301	3301	3301	49.0065	6.1605	0.0555	-0.426	-3.978	669.852	1
3301_3302	3301	3302	129.4335	-47.8725	0.0825	-1.11	-2.8725	1782.711	1
3302_3302	3302	3302	44.9145	6.0735	0.057	0.258	-3.327	613.566	1
3302_3303	3302	3303	134.607	-38.4255	0.081	0.705	-1.7895	1851.107	1
3303_3303	3303	3303	40.824	5.3925	0.027	-0.243	-2.634	558.6735	1
3303_3304	3303	3304	142.2825	-42.267	0.0255	-0.9015	-1.404	1952.85	1
3304_3304	3304	3304	36.99	5.3925	0.0285	0.2055	-2.2785	507.6795	1
3304_3305	3304	3305	142.7235	-33.651	0.0285	0.6795	-0.993	1958.469	1
3305_3305	3305	3305	33.5955	4.95	0.0315	-0.1905	-1.959	460.2855	1
3305_3306	3305	3306	147.4215	-16.608	0.0345	-1.032	-0.5985	2021.193	1
3306_3306	3306	3306	29.967	4.95	0.033	0.2565	-1.539	412.014	1
3306_3307	3306	3307	145.2555	-8.1375	0.0405	1.086	-0.0825	1992.15	1
3307_3307	3307	3307	26.955	4.725	0.0465	-0.1005	-1.1805	369.618	1
3307_3308	3307	3308	146.823	-13.8285	0.0315	-0.9555	0.4155	2012.751	1
3308_3308	3308	3308	23.6655	4.725	0.0465	0.219	-0.6	325.8615	1
3308_3309	3308	3309	141.438	-4.8465	0.0345	0.939	0.888	1940.684	1
3309_3309	3309	3309	20.6085	4.674	0.0435	-0.0195	-0.0495	284.3535	1
3309_3310	3309	3310	139.4295	-10.839	0.045	-0.8355	1.446	1913.073	1
3310_3310	3310	3310	17.562	4.629	0.045	0.1875	0.4755	241.881	1
3310_3311	3310	3311	129.3675	-0.8385	0.0525	0.72	2.1585	1777.323	1
3311_3311	3311	3311	14.412	4.7265	0.129	0.0375	1.0275	197.4135	1
3311_3312	3311	3312	120.1515	-4.119	-0.0255	-0.702	1.9305	1651.473	1
3312_3312	3312	3312	11.298	4.554	0.1275	0.174	2.559	151.0695	1
3312_3313	3312	3313	100.4355	7.2255	-0.054	0.705	0.8325	1383.899	1
3313_3313	3313	3313	8.3145	4.128	-0.0705	0.0525	3.9285	104.0685	1
3313_3314	3313	3314	74.958	16.1355	0.1095	-0.3045	1.932	1041.149	1
3314_3314	3314	3314	5.5725	3.627	-0.039	0.1095	3.132	60.573	1
3314_3315	3314	3315	34.5675	30.678	0.1095	0.669	2.688	492.9045	1
3315_3315	3315	3315	3.885	-4.776	-0.429	-0.447	3.507	-5.8635	1
3315_3316	3315	3316	2.703	-4.428	-0.0855	-0.3495	0	10.5885	1
3400_3020	3400	3020	98.403	-10.2225	-0.954	0.084	-36.5805	-113.12	1
3400_3401	3400	3401	18.2865	1.305	-1.5345	-0.042	14.052	98.598	1
3401_3401	3401	3401	98.3025	-8.232	2.7075	-0.594	-39.2265	-71.262	1
3401_3402	3401	3402	18.255	1.377	-0.9705	0.1065	10.3485	93.7965	1
3402_3402	3402	3402	98.4765	-5.8695	2.5335	0.045	-29.8095	-42.5355	1
3402_3403	3402	3403	18.2145	1.815	-1.005	0.027	-0.5685	73.9785	1
3403_3403	3403	3403	90.12	-2.9625	0.0915	-0.1635	-2.3145	21.5565	1
3403_3404	3403	3404	18.7695	2.439	0.039	0.0345	-0.1335	57.3675	1
3404_3404	3404	3404	90.165	-0.9045	0.0195	-0.0915	-1.641	42.903	1
3404_3405	3404	3405	18.708	2.8665	0.0225	0.084	0.0465	36.678	1
3405_3405	3405	3405	84.5505	1.71	0.138	-0.135	-1.8165	49.434	1
3405_3406	3405	3406	19.242	3.585	-0.0495	0.063	-0.519	-14.6835	1
3406_3406	3406	3406	80.3475	4.3695	-0.723	-0.1755	-0.195	24.8025	1
3406_3407	3406	3407	19.8375	4.3245	1.002	0.159	8.5185	-53.0415	1
3407_3407	3407	3407	80.241	5.997	-0.879	-0.0675	-6.615	-13.881	1
3407_3408	3407	3408	19.7475	4.7265	0.9615	-0.1125	13.8225	-79.3335	1
3408_3408	3408	3408	80.8095	-6.7215	-3.0585	0.4065	12.537	-112.25	1
3408_3409	3408	3409	21.099	0.36	-0.975	1.0815	11.5395	-80.346	1
3409_3409	3409	3409	81.0915	8.0865	-3.1665	-0.3045	3.2805	-91.9155	1
3409_3410	3409	3410	21.165	0.0885	-0.3735	-1.0095	10.389	-80.895	1
3410_3410	3410	3410	85.1265	-8.55	0.5175	0.1725	-6.0435	-101.792	1
3410_3411	3410	3411	21.5385	-4.416	-0.6795	0.2145	6.0885	-56.1585	1
3411_3411	3411	3411	85.2915	-6.735	0.3015	0.1065	-3.105	-54.3105	1
3411_3412	3411	3412	21.6255	-3.9555	-0.7365	-0.0525	-0.375	-21.09	1
3412_3412	3412	3412	90.8565	-3.9915	-0.093	0.126	-0.144	5.385	1
3412_3413	3412	3413	22.6635	-3.1995	0.009	0.0405	-0.2535	25.128	1
3413_3413	3413	3413	97.9725	-1.3095	0.075	0.039	-1.2555	62.9115	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3413_3414	3413	3414	23.7525	-2.4225	0.084	0.0075	0.3435	42.4605	1
3414_3414	3414	3414	97.977	0.963	-0.126	0.204	-0.765	72.354	1
3414_3415	3414	3415	23.802	-1.872	0.033	0.087	0.5535	55.9515	1
3415_3415	3415	3415	107.865	3.9765	-3.0555	-0.0915	-1.476	65.4195	1
3415_3416	3415	3416	25.014	-1.1775	-1.8	-0.0585	-19.056	68.5515	1
3416_3416	3416	3416	107.739	6.5325	-3.0915	0.7425	-34.827	21.9945	1
3416_3417	3416	3417	25.0335	-0.585	-1.8075	0.417	-25.356	70.5855	1
3417_3417	3417	3417	107.9235	8.445	1.056	-0.099	-47.0025	-0.759	1
3417_3036	3417	3036	25.098	-0.5865	-1.197	-0.0675	-31.098	72.984	1
3420_3056	3420	3056	105.7065	-8.8035	-1.626	0.09	-29.4675	-60.3165	1
3420_3421	3420	3421	25.824	0.018	1.4205	0.054	-16.857	50.9295	1
3421_3421	3421	3421	105.5565	-7.014	2.5275	-0.567	-34.488	-24.279	1
3421_3422	3421	3422	25.7475	-0.0015	1.2345	-0.2835	-11.8245	50.9355	1
3422_3422	3422	3422	105.6945	-4.5075	2.4705	0.042	-25.6815	0.1785	1
3422_3423	3422	3423	25.7415	0.609	1.2195	0.0255	1.5075	44.2785	1
3423_3423	3423	3423	94.941	-1.656	-0.1005	-0.141	1.104	49.4145	1
3423_3424	3423	3424	23.97	1.278	-0.1065	-0.051	0.687	35.073	1
3424_3424	3424	3424	94.9545	0.5115	-0.1965	-0.0885	0.3975	61.3395	1
3424_3425	3424	3425	23.934	1.824	-0.1305	-0.0315	-0.246	21.9075	1
3425_3425	3425	3425	87.411	2.9865	0.093	-0.12	-1.2015	57.648	1
3425_3426	3425	3426	22.305	2.535	-0.0465	-0.0375	-0.903	-14.64	1
3426_3426	3426	3426	81.495	5.6805	-0.258	-0.135	-0.1005	13.917	1
3426_3427	3426	3427	20.7945	3.2625	0.7245	0.0105	5.469	-43.5525	1
3427_3427	3427	3427	81.363	7.2675	-0.315	-0.108	-2.421	-35.0205	1
3427_3428	3427	3428	20.724	3.6855	0.711	-0.129	9.402	-64.0395	1
3428_3428	3428	3428	76.746	-9.0465	2.334	0.222	-4.8345	-77.1675	1
3428_3429	3428	3429	19.704	-0.552	0.285	1.128	10.6905	-62.6595	1
3429_3429	3429	3429	76.4655	7.356	2.8065	-0.378	2.646	-64.125	1
3429_3430	3429	3430	19.593	0.1785	1.0695	-1.1955	13.938	-63.4815	1
3430_3430	3430	3430	80.202	-6.846	0.312	0.0555	-5.1975	-67.599	1
3430_3431	3430	3431	18.702	-3.39	-0.729	0.0825	5.49	-40.221	1
3431_3431	3431	3431	80.328	-5.1705	0.4155	0.165	-3.48	-29.55	1
3431_3432	3431	3432	18.7695	-3	-0.7035	0.018	-0.7665	-13.6455	1
3432_3432	3432	3432	85.9125	-2.616	-0.1095	0.123	0.4515	16.263	1
3432_3433	3432	3433	19.4775	-2.3385	0.0375	0.039	-0.216	20.1045	1
3433_3433	3433	3433	93.0255	-0.156	0.096	0.144	-0.906	53.9655	1
3433_3434	3433	3434	20.2365	-1.6695	0.114	0.063	0.5505	32.028	1
3434_3434	3434	3434	93.003	2.007	0.186	0.0945	-0.192	55.0965	1
3434_3435	3434	3435	20.2695	-1.1985	0.1335	0.0195	1.5285	40.6635	1
3435_3435	3435	3435	103.1985	4.7895	-2.532	-0.0405	1.392	40.632	1
3435_3436	3435	3436	21.162	-0.588	-1.4385	-0.0555	-14.1885	46.5675	1
3436_3436	3436	3436	103.0455	7.311	-2.721	0.579	-26.2455	-11.6685	1
3436_3437	3436	3437	21.168	-0.0705	-1.4775	0.378	-19.3725	46.8045	1
3437_3437	3437	3437	103.2705	8.94	1.3845	-0.093	-37.392	-37.215	1
3437_3072	3437	3072	21.237	-0.0675	-0.651	-0.057	-22.995	47.079	1
3440_3094	3440	3094	101.952	-8.751	-1.821	0.0915	-21.9525	-68.0235	1
3440_3441	3440	3441	23.3235	0.1305	0.7455	0.0645	-16.0575	52.665	1
3441_3441	3441	3441	101.766	-7.0065	2.0535	-0.507	-27.726	-32.1855	1
3441_3442	3441	3442	23.253	0.135	1.1625	-0.2685	-11.0775	52.1985	1
3442_3442	3442	3442	101.9055	-4.5375	2.0475	-0.0075	-20.568	-7.7355	1
3442_3443	3442	3443	23.2425	0.699	1.161	0.0045	1.5945	44.577	1
3443_3443	3443	3443	91.8765	-1.863	-0.1755	-0.132	1.545	41.7885	1
3443_3444	3443	3444	22.1295	1.323	-0.1275	-0.0405	0.63	35.0445	1
3444_3444	3444	3444	91.8945	0.273	-0.1575	-0.15	0.273	55.215	1
3444_3445	3444	3445	22.0935	1.836	-0.123	-0.0615	-0.261	21.7995	1
3445_3445	3445	3445	84.9855	2.643	0.0975	-0.1485	-1.0395	53.2515	1
3445_3446	3445	3446	21.1035	2.541	-0.039	-0.0465	-0.786	-14.751	1
3446_3446	3446	3446	79.542	5.1585	-0.2595	-0.18	0.1305	15.1515	1
3446_3447	3446	3447	20.223	3.261	0.588	-0.0345	4.3755	-43.734	1
3447_3447	3447	3447	79.419	6.792	-0.1755	-0.105	-2.151	-30.5385	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3447_3448	3447	3448	20.151	3.6765	0.609	-0.0795	7.7835	-64.164	1
3448_3448	3448	3448	75.18	-9.1335	2.1285	0.579	-3.855	-69.9435	1
3448_3449	3448	3449	19.758	-0.4935	0.066	1.3905	8.4555	-62.985	1
3449_3449	3449	3449	74.856	7.815	3.141	-0.666	2.6025	-42.501	1
3449_3450	3449	3450	19.668	0.1695	0.9765	-1.47	11.4225	-63.648	1
3450_3450	3450	3450	76.314	-6.4785	0.5925	0.0795	-8.1765	-65.262	1
3450_3451	3450	3451	18.666	-3.891	-0.831	0.006	6.15	-42.0285	1
3451_3451	3451	3451	76.431	-4.908	0.6165	0.189	-4.884	-29.244	1
3451_3452	3451	3452	18.7425	-3.507	-0.825	-0.108	-1.161	-10.9635	1
3452_3452	3452	3452	81.8835	-2.514	-0.132	0.1455	0.843	14.226	1
3452_3453	3452	3453	18.2805	-2.8125	0.108	-0.069	0.2895	29.637	1
3453_3453	3453	3453	88.7985	-0.27	0.144	0.1365	-0.813	50.463	1
3453_3454	3453	3454	17.8995	-2.145	-0.0645	-0.072	-0.351	44.949	1
3454_3454	3454	3454	88.7805	1.7925	0.126	0.141	0.2265	52.4145	1
3454_3455	3454	3455	17.9445	-1.728	-0.069	-0.054	-0.849	57.408	1
3455_3455	3455	3455	98.7855	4.344	-1.782	0.021	1.4265	39.4935	1
3455_3456	3455	3456	17.5725	-1.1595	0.639	-0.0315	5.9085	69.333	1
3456_3456	3456	3456	98.649	6.7365	-1.875	0.4515	-18.0165	-7.923	1
3456_3457	3456	3457	17.5965	-0.732	0.621	-0.108	8.0565	71.8905	1
3457_3457	3457	3457	98.856	8.4195	1.521	-0.0765	-25.989	-31.4175	1
3457_3110	3457	3110	17.6445	-0.6555	1.122	0.039	13.02	74.574	1
3460_3132	3460	3132	116.586	-15.15	-2.6145	0.048	-9.1665	-99.9195	1
3460_3461	3460	3461	28.7475	-1.7925	-0.159	0.0345	-13.3935	55.5885	1
3461_3461	3461	3461	116.907	-8.4405	1.3065	-0.3735	-20.4	-25.659	1
3461_3462	3461	3462	28.7145	-0.522	0.8955	-0.1755	-9.327	57.408	1
3462_3462	3462	3462	117.075	-5.634	1.413	0.003	-15.846	3.7785	1
3462_3463	3462	3463	28.7175	0.168	0.9225	-0.003	0.726	55.578	1
3463_3463	3463	3463	108.894	-2.634	0.0015	-0.111	-0.7335	67.077	1
3463_3464	3463	3464	28.1385	1.059	-0.063	-0.0315	0.1035	48.0915	1
3464_3464	3464	3464	108.9255	-0.102	0.012	-0.1035	-0.732	86.0565	1
3464_3465	3464	3465	28.107	1.713	-0.06	-0.039	-0.3315	35.739	1
3465_3465	3465	3465	104.0535	2.5905	0.0165	-0.1065	-0.816	86.7945	1
3465_3466	3465	3466	27.69	2.6235	-0.0195	-0.0255	-0.522	-1.968	1
3466_3466	3466	3466	100.9785	5.469	0.402	-0.084	-0.747	49.4565	1
3466_3467	3466	3467	27.345	3.513	0.2865	-0.006	2.0985	-33.1065	1
3467_3467	3467	3467	100.845	7.5435	0.3855	-0.141	2.8065	1.029	1
3467_3468	3467	3468	27.267	4.0755	0.282	-0.054	3.6645	-55.755	1
3468_3468	3468	3468	98.9175	-13.7895	0.7725	0.192	5.1525	-40.908	1
3468_3469	3468	3469	27.429	-1.761	-0.648	0.5775	2.0175	-50.7495	1
3469_3469	3469	3469	91.3155	13.7325	-0.774	0.1005	5.0235	28.1685	1
3469_3470	3469	3470	25.365	2.4285	0.441	-0.3675	2.313	-29.2875	1
3470_3470	3470	3470	93.672	-5.9775	-0.219	0.1185	2.601	-13.356	1
3470_3471	3470	3471	25.5225	-3.0105	-0.1695	0.0285	1.194	-12.555	1
3471_3471	3471	3471	93.7755	-4.05	-0.204	0.087	1.386	19.8675	1
3471_3472	3471	3472	25.578	-2.4855	-0.165	0.006	-0.27	9.456	1
3472_3472	3472	3472	97.233	-1.3995	-0.036	0.0975	-0.2655	55.7265	1
3472_3473	3472	3473	26.0955	-1.692	0.012	0.015	-0.1395	33.8445	1
3473_3473	3473	3473	102.627	1.056	0.105	0.0885	-0.7215	75.9135	1
3473_3474	3473	3474	26.7945	-0.903	0.0705	0.021	0.2985	40.2345	1
3474_3474	3474	3474	102.5745	3.441	0.093	0.0945	0.0315	68.301	1
3474_3475	3474	3475	26.8095	-0.279	0.0675	0.018	0.7875	42.249	1
3475_3475	3475	3475	111.3285	6.2565	-1.2645	-0.012	0.7455	43.5045	1
3475_3476	3475	3476	27.6645	0.4515	-0.495	0.0225	-4.656	36.99	1
3476_3476	3476	3476	111.15	8.925	-0.999	0.363	-13.0845	-24.8115	1
3476_3477	3476	3477	27.6465	1.116	-0.4275	0.0435	-6.123	33.102	1
3477_3477	3477	3477	111.2715	10.6035	2.214	-0.0555	-17.7195	-55.965	1
3477_3148	3477	3148	27.723	1.107	-0.5145	-0.0285	-8.664	28.5615	1
3480_3168	3480	3168	116.8155	-11.058	-1.596	0.069	-10.881	-97.536	1
3480_3481	3480	3481	30.438	-1.152	0.75	0.03	-6.747	42.6735	1
3481_3481	3481	3481	116.616	-9.36	1.086	-0.3225	-16.4745	-52.251	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3481_3482	3481	3482	30.3765	-1.125	0.462	-0.069	-4.743	46.602	1
3482_3482	3482	3482	116.805	-6.5595	1.239	0.0075	-12.6825	-19.6065	1
3482_3483	3482	3483	30.3945	-0.396	0.5025	-0.0165	0.7305	50.931	1
3483_3483	3483	3483	108.2805	-3.462	-0.1035	-0.0795	0.7095	52.0365	1
3483_3484	3483	3484	29.898	0.4605	-0.069	-0.0135	0.2295	47.8635	1
3484_3484	3484	3484	108.333	-0.894	-0.09	-0.0885	-0.045	76.989	1
3484_3485	3484	3485	29.8785	1.17	-0.0645	-0.0255	-0.2355	39.4395	1
3485_3485	3485	3485	103.1235	1.8075	0.03	-0.0885	-0.7995	83.4225	1
3485_3486	3485	3486	29.4765	2.079	-0.0165	-0.0135	-0.4365	9.5265	1
3486_3486	3486	3486	99.8805	4.707	0.2775	-0.0765	-0.5685	57.363	1
3486_3487	3486	3487	29.232	3.024	0.2535	0.0015	1.803	-17.3265	1
3487_3487	3487	3487	99.762	6.7605	0.261	-0.1125	1.887	15.684	1
3487_3488	3487	3488	29.1645	3.6255	0.249	-0.0375	3.183	-37.476	1
3488_3488	3488	3488	97.6395	-14.3055	0.903	-0.0135	3.42	-21.894	1
3488_3489	3488	3489	29.328	-2.649	-0.285	0.4665	2.4915	-29.4675	1
3489_3489	3489	3489	101.1165	14.8275	-0.513	-0.123	5.7915	22.8225	1
3489_3490	3489	3490	25.626	2.166	0.729	-0.606	4.2915	-42.096	1
3490_3490	3490	3490	103.422	-6.984	-0.3285	0.12	4.1085	-22.014	1
3490_3491	3490	3491	25.6485	-3.309	-0.3135	0.0495	2.253	-23.0895	1
3491_3491	3491	3491	103.5435	-4.8555	-0.312	0.0705	2.286	16.8	1
3491_3492	3491	3492	25.71	-2.781	-0.309	0.0075	-0.4845	1.539	1
3492_3492	3492	3492	107.0355	-1.842	-0.03	0.0855	-0.339	59.79	1
3492_3493	3492	3493	26.1015	-1.9695	0.024	0.0225	-0.207	29.928	1
3493_3493	3493	3493	112.569	1.041	0.105	0.078	-0.7035	86.361	1
3493_3494	3493	3494	26.6385	-1.1715	0.105	0.0315	0.4575	38.373	1
3494_3494	3494	3494	112.515	3.6075	0.096	0.0825	0.057	78.8565	1
3494_3495	3494	3495	26.658	-0.5625	0.1035	0.0255	1.2	42.426	1
3495_3495	3495	3495	121.4805	6.921	-1.2345	0.006	0.7845	52.887	1
3495_3496	3495	3496	27.354	0.198	-0.7725	-0.018	-7.2795	39.7485	1
3496_3496	3496	3496	121.2765	9.8325	-1.392	0.2805	-12.678	-22.7085	1
3496_3497	3496	3497	27.3405	0.8535	-0.8085	0.21	-10.1115	36.768	1
3497_3497	3497	3497	121.38	11.6235	1.9125	-0.0705	-18.6375	-56.997	1
3497_3184	3497	3184	27.39	0.8475	-0.147	-0.042	-11.3325	33.2955	1
3500_3204	3500	3204	114.234	-9.8745	-0.561	0.1335	-23.742	-69.1575	1
3500_3501	3500	3501	21.753	0.045	0.975	0.06	-10.935	44.9745	1
3501_3501	3501	3501	114.0855	-8.0295	1.8945	-0.462	-25.2165	-28.7535	1
3501_3502	3501	3502	21.711	0.0285	0.819	-0.2415	-7.767	44.862	1
3502_3502	3502	3502	114.249	-5.289	1.7235	-0.0165	-18.6105	-0.732	1
3502_3503	3502	3503	21.705	0.5505	0.786	0.012	0.8355	38.856	1
3503_3503	3503	3503	103.2615	-1.965	-0.0135	-0.186	0.0075	57.021	1
3503_3504	3503	3504	20.4285	1.122	-0.054	-0.0555	0.402	30.768	1
3504_3504	3504	3504	103.2795	0.4365	-0.1455	-0.093	-0.066	71.187	1
3504_3505	3504	3505	20.3955	1.596	-0.081	-0.0255	-0.165	19.254	1
3505_3505	3505	3505	95.064	3.3915	0.1185	-0.1455	-1.3965	68.0415	1
3505_3506	3505	3506	19.1895	2.223	-0.0165	-0.0375	-0.423	-12.663	1
3506_3506	3506	3506	88.3965	6.336	-0.426	-0.1695	0.0345	19.176	1
3506_3507	3506	3507	19.6665	3.3825	1.0815	0.138	8.535	-37.203	1
3507_3507	3507	3507	88.2465	8.1525	-0.441	-0.0975	-3.744	-36.9285	1
3507_3508	3507	3508	19.593	3.786	1.0785	-0.0435	14.529	-58.245	1
3508_3508	3508	3508	83.0115	-9.162	-2.7645	0.516	11.5365	-66.2235	1
3508_3509	3508	3509	20.799	-0.5085	-1.0635	1.9395	11.7135	-56.6175	1
3509_3509	3509	3509	83.211	10.0485	-2.8095	-0.471	3.1695	-38.4195	1
3509_3510	3509	3510	20.889	0.9165	-0.2685	-1.8675	10.884	-59.379	1
3510_3510	3510	3510	89.169	-7.6215	0.318	0.0975	-4.8435	-66.8895	1
3510_3511	3510	3511	21.651	-3.531	-0.7845	0.1335	6.087	-39.501	1
3511_3511	3511	3511	89.307	-5.787	0.3315	0.1635	-3.078	-24.5265	1
3511_3512	3511	3512	21.72	-3.0855	-0.78	0.0135	-0.8265	-12.186	1
3512_3512	3512	3512	96.435	-2.8005	-0.0705	0.135	0.033	26.7135	1
3512_3513	3512	3513	22.866	-2.3265	0.0435	0.0525	-0.201	21.402	1
3513_3513	3513	3513	105.108	0.1845	0.069	0.1245	-0.873	67.0875	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3513_3514	3513	3514	24.117	-1.587	0.087	0.0585	0.402	32.766	1
3514_3514	3514	3514	105.0765	2.6265	0.057	0.1395	-0.3735	65.7615	1
3514_3515	3514	3515	24.1485	-1.0275	0.084	0.0525	1.0095	40.167	1
3515_3515	3515	3515	116.5965	6.0345	-1.671	0.0195	0.0975	46.8255	1
3515_3516	3515	3516	25.599	-0.3555	-1.1385	-0.0075	-11.43	43.8555	1
3516_3516	3516	3516	116.418	8.703	-1.7265	0.45	-18.2055	-15.6465	1
3516_3517	3516	3517	25.599	0.258	-1.149	0.285	-15.4425	42.9525	1
3517_3517	3517	3517	116.46	10.536	0.7515	-0.144	-25.0935	-46.044	1
3517_3220	3517	3220	25.6305	0.246	-0.4365	-0.0705	-17.8485	41.9235	1
3520_3241	3520	3241	117.6045	-10.6785	-1.6185	0.111	-35.229	-97.6365	1
3520_3521	3520	3521	26.757	-0.0825	0.2415	0.4725	-19.4205	55.4925	1
3521_3521	3521	3521	116.427	-9.36	3.081	-0.645	-41.7045	-54.1215	1
3521_3522	3521	3522	26.4705	-0.0615	1.3395	-0.462	-14.427	55.476	1
3522_3522	3522	3522	116.6235	-6.597	2.793	0.0345	-30.9945	-21.4875	1
3522_3523	3522	3523	26.469	0.567	1.272	0.0195	-0.498	49.2975	1
3523_3523	3523	3523	108.7725	-2.7495	0.1875	-0.2535	-1.014	50.4225	1
3523_3524	3523	3524	25.6965	1.3785	0.0525	-0.141	-0.1185	39.288	1
3524_3524	3524	3524	108.807	-0.18	-0.1725	-0.0285	0.4095	70.251	1
3524_3525	3524	3525	25.656	1.986	-0.0345	-0.009	-0.3225	24.9795	1
3525_3525	3525	3525	101.583	3.2715	0.039	-0.135	-1.272	71.4495	1
3525_3526	3525	3526	24.705	2.7975	0.054	-0.0585	0.4425	-15.207	1
3526_3526	3526	3526	95.4255	6.294	-1.407	-0.1935	-1.1415	27.966	1
3526_3527	3526	3527	23.763	3.603	0.381	0.0225	3.8145	-47.1585	1
3527_3527	3527	3527	95.268	8.301	-1.6485	0.0255	-13.632	-27.7575	1
3527_3528	3527	3528	23.682	4.1025	0.318	-0.1725	5.529	-69.9435	1
3528_3528	3528	3528	94.2825	-10.239	-2.3445	2.853	31.413	-82.443	1
3528_3529	3528	3529	23.622	-0.825	0.1155	0.8595	6.0855	-67.6005	1
3529_3529	3529	3529	94.548	10.851	-1.0995	-2.5845	24.252	-50.2995	1
3529_3530	3529	3530	23.568	0.4485	0.4455	-0.9105	7.4475	-68.709	1
3530_3530	3530	3530	101.6505	-9.114	-1.1835	0.366	20.2605	-74.2065	1
3530_3531	3530	3531	22.638	-4.485	-0.471	0.0675	4.6215	-43.9395	1
3531_3531	3531	3531	101.817	-6.9555	-1.443	0.0165	13.716	-23.58	1
3531_3532	3531	3532	22.728	-4.0035	-0.5325	-0.138	-0.0435	-8.4705	1
3532_3532	3532	3532	108.759	-3.213	0.0735	0.12	0.618	38.0685	1
3532_3533	3532	3533	22.9485	-2.4195	-0.0075	0.0645	0.156	22.743	1
3533_3533	3533	3533	116.8065	0.546	-0.006	0.1035	1.278	84.36	1
3533_3534	3533	3534	24.3525	-1.704	0.003	0.0465	0.0795	34.902	1
3534_3534	3534	3534	116.7675	2.8365	-0.072	0.1275	1.329	86.6925	1
3534_3535	3534	3535	24.387	-1.1265	-0.0135	0.0675	-0.0225	43.0275	1
3535_3535	3535	3535	126.2475	6.7485	-1.6095	0.0165	0.387	66.201	1
3535_3536	3535	3536	26.361	-0.5775	-1.185	-0.078	-13.101	49.275	1
3536_3536	3536	3536	126.036	9.849	-2.1	0.408	-17.1585	-7.479	1
3536_3537	3536	3537	26.3625	0.072	-1.29	0.4395	-17.655	49.0095	1
3537_3537	3537	3537	124.9395	20.064	-1.632	-0.5415	-25.491	-42.369	1
3537_3255	3537	3255	26.169	1.8015	-0.384	-0.2685	-20.106	38.244	1
3540_3279	3540	3279	120.4845	-16.275	1.8225	1.932	-15.576	-123.165	1
3540_3541	3540	3541	29.469	-1.659	0.9255	0.6225	-9.7815	59.2065	1
3541_3541	3541	3541	121.4955	-9.2475	0.75	-0.1935	-7.0785	-43.308	1
3541_3542	3541	3542	29.577	-0.1845	0.681	-0.312	-7.32	59.22	1
3542_3542	3542	3542	121.68	-6.384	0.5655	-0.1065	-4.473	-11.0895	1
3542_3543	3542	3543	29.574	0.513	0.636	-0.048	-0.3555	53.625	1
3543_3543	3543	3543	115.5105	-3.051	-0.021	-0.1665	1.2105	46.497	1
3543_3544	3543	3544	28.749	1.5135	0.0315	-0.1155	-0.24	43.2255	1
3544_3544	3544	3544	115.5495	-0.369	-0.156	-0.111	1.08	68.4795	1
3544_3545	3544	3545	28.7055	2.181	-0.003	-0.06	-0.243	27.5055	1
3545_3545	3545	3545	108.9915	3.0435	-0.1155	-0.111	-0.6165	68.3865	1
3545_3546	3545	3546	27.411	3.105	0.0255	-0.0555	0.051	-17.316	1
3546_3546	3546	3546	103.8075	7.131	-2.7045	-0.2385	-2.817	24.291	1
3546_3547	3546	3547	26.3175	4.1205	-0.4575	-0.0075	-4.086	-53.9985	1
3547_3547	3547	3547	103.623	9.363	-2.961	0.246	-26.8185	-38.8575	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3547_3548	3547	3548	26.2215	4.686	-0.525	-0.048	-7.059	-79.995	1
3548_3548	3548	3548	96.4275	-11.952	3.0315	-4.506	-44.3865	-96.36	1
3548_3549	3548	3549	25.5045	-0.891	0.7575	-0.435	-4.938	-76.971	1
3549_3549	3549	3549	95.8185	8.757	0.5115	4.725	-35.4885	-75.7485	1
3549_3550	3549	3550	25.359	0.153	0.4305	0.5385	-3.696	-77.895	1
3550_3550	3550	3550	95.376	-6.981	-1.695	0.3885	29.6955	-20.955	1
3550_3551	3550	3551	23.7045	-5.214	0.2475	0.0105	-2.124	-48.2715	1
3551_3551	3551	3551	95.505	-5.232	-2.022	-0.009	20.0145	12.0765	1
3551_3552	3551	3552	23.8185	-4.674	0.162	-0.1005	-0.6915	-8.925	1
3552_3552	3552	3552	99.693	-0.408	-0.177	0.1335	2.748	59.184	1
3552_3553	3552	3553	23.289	-3.6675	0.2085	-0.1065	2.271	42.8715	1
3553_3553	3553	3553	104.6595	3.2985	-0.1815	0.0765	-0.042	68.109	1
3553_3554	3553	3554	22.836	-2.739	0.1695	-0.1665	3.3855	62.004	1
3554_3554	3554	3554	104.5395	6	-0.4455	0.225	-1.3545	44.8935	1
3554_3555	3554	3555	22.899	-2.1495	0.108	-0.0945	4.0935	77.1435	1
3555_3555	3555	3555	109.8285	10.587	-0.726	0.093	-4.95	2.577	1
3555_3556	3555	3556	22.203	-1.2135	0.5775	-0.048	10.2045	89.427	1
3556_3556	3556	3556	109.494	13.6215	-0.678	0.4935	-12.681	-110.186	1
3556_3557	3556	3557	22.227	-0.5985	0.588	-0.3705	12.2235	91.4745	1
3557_3557	3557	3557	108.222	19.89	0.1395	0.435	-15.507	-156.792	1
3557_3293	3557	3293	22.533	0.2985	-0.279	-0.144	10.6725	88.497	1
43000_3000	43000	3000	1.947	31.9845	-1.0815	1.5195	0	14.6775	1
43000_3001	43000	3001	0.711	4.9485	-0.6825	1.386	-10.1715	-68.3055	1
43001_3001	43001	3001	1.947	31.9845	-1.083	0.975	-16.125	-462.425	1
43001_3002	43001	3002	0.7095	4.9485	-0.6825	1.3065	-17.2695	-119.756	1
43002_3002	43002	3002	1.965	38.733	1.173	2.109	-27.3885	-794.976	1
43002_3003	43002	3003	0.723	4.8915	0.9795	1.356	-5.3625	-179.237	1
43003_3003	43003	3003	1.9665	38.733	1.17	-0.087	-13.122	-1265.99	1
43003_3004	43003	3004	0.7245	4.8915	0.978	1.0455	6.537	-238.755	1
43004_3004	43004	3004	1.9605	52.3515	0.354	1.896	1.11	-1737.23	1
43004_3005	43004	3005	0.7215	4.9215	0.516	1.2315	12.807	-298.631	1
43005_3005	43005	3005	1.9605	-2.8485	0.3525	-0.282	5.4225	-2374.1	1
43005_3006	43005	3006	0.7215	4.9215	0.5145	0.957	19.0725	-358.544	1
43006_3006	43006	3006	1.9605	14.808	0.2445	2.844	9.7155	-2339.4	1
43006_3007	43006	3007	0.72	4.884	0.3285	1.275	23.0595	-417.953	1
43007_3007	43007	3007	1.9605	-14.706	0.2415	-1.5195	12.6945	-2519.51	1
43007_3008	43007	3008	0.7215	4.884	0.327	0.552	27.0345	-477.396	1
43008_3008	43008	3008	1.9605	-28.878	0.222	1.1985	15.633	-2340.68	1
43008_3009	43008	3009	0.7215	4.872	0.276	0.8805	30.387	-536.693	1
43009_3009	43009	3009	1.9605	-37.3755	0.2205	-0.4245	18.33	-1989.29	1
43009_3010	43009	3010	0.7215	4.872	0.2745	0.4425	33.732	-595.973	1
43010_3010	43010	3010	1.962	-25.5225	0.264	1.179	21.0075	-1534.59	1
43010_3011	43010	3011	0.7215	4.9215	0.2895	0.9045	37.257	-655.85	1
43011_3011	43011	3011	1.962	-25.5225	0.261	-0.819	24.2175	-1224.1	1
43011_3012	43011	3012	0.7215	4.9215	0.288	-0.165	40.767	-715.709	1
43012_3012	43012	3012	1.962	-18.4935	0.297	0.1005	27.387	-913.64	1
43012_3013	43012	3013	0.723	5.202	0.36	0.3015	45.1455	-779.03	1
43013_3013	43013	3013	1.9635	-18.4935	0.2955	-0.462	30.9945	-688.551	1
43013_3014	43013	3014	0.723	5.202	0.3585	-0.3345	49.518	-842.331	1
43014_3014	43014	3014	1.9635	-14.928	0.3915	-0.159	34.5825	-463.493	1
43014_3015	43014	3015	0.723	5.841	0.2325	0.3465	53.346	-938.451	1
43015_3015	43015	3015	2.337	-65.0625	0.459	-2.736	60.927	-1952.8	1
43015_3016	43015	3016	0.672	5.847	0.231	-1.5735	55.2435	-986.234	1
43016_3016	43016	3016	3.261	-59.4285	0.0345	0.5685	64.6455	-1753.43	1
43016_3017	43016	3017	0.537	7.3485	0.0975	0.6735	56.4345	-1072.61	1
43017_3017	43017	3017	5.1615	-69.576	-0.0555	-2.463	62.613	-1531.39	1
43017_3018	43017	3018	0.357	7.3605	0.096	-1.971	57.651	-1170.33	1
43018_3018	43018	3018	7.1085	-73.683	0.348	-0.2895	57.564	-1125.47	1
43018_3019	43018	3019	0.288	-1.725	-0.2085	-0.195	-29.436	462.9285	1
43019_3019	43019	3019	10.0455	-84.942	0.2985	-2.484	56.6265	-708.113	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43019_3020	43019	3020	0.333	-1.7175	-0.2085	1.308	-31.983	484.506	1
43020_3020	43020	3020	18.0405	-1.551	-0.687	-0.2835	49.3935	-223.814	1
43020_3021	43020	3021	90.954	3.1515	1.5825	1.428	-89.079	41.322	1
43021_3021	43021	3021	18.039	-1.551	-0.7215	-0.5085	42.8655	-204.729	1
43021_3022	43021	3022	90.957	3.1515	1.4085	1.167	-78.1605	38.8665	1
43022_3022	43022	3022	18.039	-1.551	-0.7215	-0.5085	37.2675	-192.707	1
43022_3023	43022	3023	90.957	3.1515	1.4085	1.167	-67.2435	14.4375	1
43023_3023	43023	3023	18.039	-1.4445	-0.459	-0.525	31.6695	-180.684	1
43023_3024	43023	3024	90.96	3.8295	1.677	1.62	-53.826	-16.206	1
43024_3024	43024	3024	18.039	-1.4445	-0.459	-0.525	27.9945	-169.124	1
43024_3025	43024	3025	90.96	3.8295	1.677	1.62	-40.4085	-46.845	1
43025_3025	43025	3025	18.039	-1.4445	-0.48	-0.7005	24.3195	-157.565	1
43025_3026	43025	3026	90.9615	3.8295	1.575	1.5675	-27.8205	-77.4435	1
43026_3026	43026	3026	18.039	-1.428	-0.4395	-0.435	20.49	-146.022	1
43026_3027	43026	3027	90.963	4.71	1.95	1.899	-16.1205	-105.707	1
43027_3027	43027	3027	18.0375	-1.428	-0.4695	-0.663	17.853	-137.454	1
43027_3028	43027	3028	90.966	4.71	1.7985	1.725	-5.328	-133.973	1
43028_3028	43028	3028	18.0375	-1.428	-0.4695	-0.663	15.039	-128.888	1
43028_3029	43028	3029	90.966	4.71	1.7985	1.725	5.4645	-162.236	1
43029_3029	43029	3029	18.0375	-1.428	-0.4995	-0.8625	12.2235	-120.32	1
43029_3030	43029	3030	90.969	4.71	1.6485	1.455	15.3495	-190.496	1
43030_3030	43030	3030	18.0375	-1.4145	-0.4365	-0.6285	9.2295	-111.756	1
43030_3031	43030	3031	90.969	5.2785	1.788	1.9035	29.667	-232.766	1
43031_3031	43031	3031	18.0375	-1.4145	-0.456	-0.7425	5.739	-100.43	1
43031_3032	43031	3032	90.972	5.2785	1.686	1.6425	43.149	-274.982	1
43032_3032	43032	3032	18.0375	-1.4145	-0.4785	-0.852	2.091	-89.118	1
43032_3033	43032	3033	90.9735	5.2785	1.572	1.3005	55.7235	-317.192	1
43033_3033	43033	3033	18.0315	-1.4025	-0.9675	-0.5295	-1.7355	-77.811	1
43033_3034	43033	3034	90.9735	5.691	1.6965	1.767	68.8665	-361.283	1
43034_3034	43034	3034	18.0285	-1.4025	-1.0155	-0.7095	-9.2295	-66.942	1
43034_3035	43034	3035	90.978	5.691	1.452	0.7935	80.124	-405.419	1
43035_3035	43035	3035	18.0285	-1.4025	-1.005	-0.933	-17.109	-60.648	1
43035_3036	43035	3036	90.978	5.691	1.5045	1.4085	94.4145	-482.634	1
43036_3036	43036	3036	35.7555	67.149	-0.231	2.0295	51.9015	954.744	1
43036_3037	43036	3037	18.2055	-11.406	0.024	2.499	48.3555	-1221.98	1
43037_3037	43037	3037	34.0545	64.2615	-0.246	0.9135	50.0265	249.582	1
43037_3038	43037	3038	18.4995	-10.923	0.006	0.1665	48.5685	-1085.01	1
43038_3038	43038	3038	32.8005	66.972	0.303	2.5455	48.5535	-332.577	1
43038_3039	43038	3039	18.8235	-9.366	0.009	1.9875	48.516	-960.884	1
43039_3039	43039	3039	30.7185	48.9405	0.228	-0.12	53.7795	-933.159	1
43039_3040	43039	3040	19.047	-8.901	-0.0165	-0.4515	48.384	-854.283	1
43040_3040	43040	3040	29.613	25.689	-0.4065	1.866	55.731	-1365.81	1
43040_3041	43040	3041	19.1985	-7.314	-0.339	1.1715	45.555	-793.997	1
43041_3041	43041	3041	29.442	7.3515	-0.4215	-0.027	53.2005	-1559.01	1
43041_3042	43041	3042	19.2615	-7.1445	-0.3585	0.0585	39.828	-674.109	1
43042_3042	43042	3042	29.4435	-5.8875	-0.1845	0.72	46.4415	-1676.78	1
43042_3043	43042	3043	19.2645	-6.2925	-0.114	0.237	38.469	-598.899	1
43043_3043	43043	3043	29.4435	-32.3775	-0.2085	-0.6195	44.2365	-1606.4	1
43043_3044	43043	3044	19.2645	-6.2925	-0.129	-0.2625	36.9195	-523.68	1
43044_3044	43044	3044	29.445	-20.823	-0.0735	0.5835	41.7405	-1219.47	1
43044_3045	43044	3045	19.2645	-5.9775	-0.1395	0.0345	35.2605	-452.25	1
43045_3045	43045	3045	29.445	-20.823	-0.1245	-1.101	40.8675	-970.598	1
43045_3046	43045	3046	19.263	-5.9775	-0.1725	-0.7515	33.201	-380.76	1
43046_3046	43046	3046	29.445	-14.175	-0.099	-0.474	39.3825	-721.566	1
43046_3047	43046	3047	19.263	-5.871	-0.1725	-0.633	31.1355	-310.623	1
43047_3047	43047	3047	29.445	-14.175	-0.1005	-0.5115	38.208	-552.203	1
43047_3048	43047	3048	19.263	-5.871	-0.174	-0.654	29.052	-240.423	1
43048_3048	43048	3048	29.445	-11.0745	-0.081	-0.729	37.008	-382.721	1
43048_3049	43048	3049	19.263	-5.9565	-0.1845	-0.84	26.847	-169.205	1
43049_3049	43049	3049	29.445	-11.0745	-0.0795	-0.7125	36.0315	-250.305	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43049_3050	43049	3050	19.263	-5.9565	-0.183	-0.8295	24.6585	-98.043	1
43050_3050	43050	3050	29.4465	-10.2345	-0.0945	-0.8415	35.0775	-117.987	1
43050_3051	43050	3051	19.263	-6.1545	-0.228	-0.8475	21.009	0.4125	1
43051_3051	43051	3051	29.5305	-9.987	-0.1095	-1.1115	33.555	42.8145	1
43051_3052	43051	3052	19.314	-5.994	-0.2385	-1.047	19.035	47.9805	1
43052_3052	43052	3052	29.6955	-9.8535	-0.363	-0.78	32.6445	125.2425	1
43052_3053	43052	3053	19.416	-6.0345	-0.4335	-0.729	13.938	118.9275	1
43053_3053	43053	3053	29.9355	-9.0945	-0.384	-1.458	28.3485	231.5055	1
43053_3054	43053	3054	19.563	-5.5395	-0.447	-1.1445	7.989	186.129	1
43054_3054	43054	3054	30.183	-8.7555	0.012	-1.4235	23.2575	352.1055	1
43054_3055	43054	3055	19.7175	-5.3565	0.0825	-1.0905	9.0165	253.2735	1
43055_3055	43055	3055	30.4005	-7.968	-0.0345	-1.299	23.442	461.8665	1
43055_3056	43055	3056	19.8495	-4.842	0.0525	-0.9225	9.6825	314.103	1
43056_3056	43056	3056	17.0745	-1.293	-0.345	-0.3225	27.1635	-193.098	1
43056_3057	43056	3057	78.342	2.397	1.3905	1.5825	-70.794	-39.144	1
43057_3057	43057	3057	17.073	-1.293	-0.366	-0.5355	23.8905	-179.9	1
43057_3058	43057	3058	78.3435	2.397	1.29	1.4625	-60.8055	-53.5095	1
43058_3058	43058	3058	17.073	-1.293	-0.366	-0.5355	21.0525	-169.886	1
43058_3059	43058	3059	78.3435	2.397	1.29	1.4625	-50.8185	-72.084	1
43059_3059	43059	3059	17.0745	-1.2285	-0.1395	-0.4695	18.2145	-159.873	1
43059_3060	43059	3060	78.3465	3.168	1.4655	1.86	-39.081	-97.4565	1
43060_3060	43060	3060	17.0745	-1.2285	-0.159	-0.6435	17.1015	-150.041	1
43060_3061	43060	3061	78.348	3.168	1.374	1.7475	-28.089	-122.795	1
43061_3061	43061	3061	17.0745	-1.2285	-0.159	-0.6435	15.831	-140.222	1
43061_3062	43061	3062	78.348	3.168	1.374	1.7475	-17.0985	-148.13	1
43062_3062	43062	3062	17.0745	-1.221	-0.177	-0.6165	14.5605	-130.404	1
43062_3063	43062	3063	78.3525	4.233	1.5765	1.959	-7.635	-173.541	1
43063_3063	43063	3063	17.0745	-1.221	-0.177	-0.6165	13.5	-123.074	1
43063_3064	43063	3064	78.3525	4.233	1.5765	1.959	1.8285	-198.953	1
43064_3064	43064	3064	17.0745	-1.221	-0.177	-0.6165	12.441	-115.743	1
43064_3065	43064	3065	78.3525	4.233	1.5765	1.959	11.292	-224.363	1
43065_3065	43065	3065	17.073	-1.221	-0.2025	-0.786	11.3805	-108.411	1
43065_3066	43065	3066	78.3555	4.233	1.455	1.6095	20.0055	-249.731	1
43066_3066	43066	3066	17.0745	-1.221	-0.1395	-0.6705	10.1625	-101.096	1
43066_3067	43066	3067	78.3555	5.001	1.4385	2.0805	31.521	-289.77	1
43067_3067	43067	3067	17.0745	-1.221	-0.1395	-0.6705	9.0495	-91.326	1
43067_3068	43067	3068	78.3555	5.001	1.4385	2.0805	43.035	-329.808	1
43068_3068	43068	3068	17.0745	-1.221	-0.18	-0.8685	7.9365	-81.5535	1
43068_3069	43068	3069	78.3585	5.001	1.2495	1.2825	53.0175	-369.795	1
43069_3069	43069	3069	17.0685	-1.233	-0.5775	-0.651	6.495	-71.8005	1
43069_3070	43069	3070	78.3585	5.4255	1.488	2.0175	64.551	-411.863	1
43070_3070	43070	3070	17.0685	-1.233	-0.5985	-0.7275	2.0145	-62.241	1
43070_3071	43070	3071	78.3615	5.4255	1.392	1.518	75.3315	-453.872	1
43071_3071	43071	3071	17.067	-1.233	-0.621	-0.843	-2.6205	-53.982	1
43071_3072	43071	3072	78.363	5.4255	1.29	1.0215	87.5925	-511.353	1
43072_3072	43072	3072	29.118	69.7185	-0.372	2.163	51.6525	795.777	1
43072_3073	43072	3073	10.596	-9.5625	-0.2055	2.4795	46.2255	-1179.37	1
43073_3073	43073	3073	27.2925	70.4535	-0.39	0.876	47.0205	-80.148	1
43073_3074	43073	3074	10.842	-9.2835	-0.2145	0.336	43.656	-1063	1
43074_3074	43074	3074	25.635	66.165	0.1725	2.874	44.955	-427.152	1
43074_3075	43074	3075	11.1135	-8.2335	-0.039	2.1525	42.9885	-953.859	1
43075_3075	43075	3075	23.337	47.9415	0.12	-0.309	48.2535	-1025.22	1
43075_3076	43075	3076	11.319	-7.947	-0.0585	-0.549	42.3795	-856.688	1
43076_3076	43076	3076	22.503	25.44	-0.1425	2.9865	48.8745	-1434.44	1
43076_3077	43076	3077	11.4555	-6.4215	-0.1095	1.71	41.442	-803.829	1
43077_3077	43077	3077	22.311	2.694	-0.2025	-0.8265	46.965	-1622.77	1
43077_3078	43077	3078	11.5095	-6.324	-0.132	-0.297	39.534	-715.946	1
43078_3078	43078	3078	22.3095	-25.425	-0.2295	0.039	44.0235	-1662.04	1
43078_3079	43078	3079	11.508	-5.886	-0.207	0.048	37.2165	-649.845	1
43079_3079	43079	3079	22.3095	-25.425	-0.2295	0.039	41.4525	-1376.45	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43079_3080	43079	3080	11.508	-5.886	-0.207	0.048	34.9005	-583.725	1
43080_3080	43080	3080	22.311	-16.4295	-0.111	0.1815	38.8815	-1090.79	1
43080_3081	43080	3081	11.508	-5.55	-0.162	-0.042	33.084	-521.333	1
43081_3081	43081	3081	22.311	-16.4295	-0.129	-0.588	37.641	-906.08	1
43081_3082	43081	3082	11.508	-5.55	-0.171	-0.4845	31.1595	-458.993	1
43082_3082	43082	3082	22.311	-11.112	-0.1155	-0.1695	36.1905	-721.518	1
43082_3083	43082	3083	11.508	-5.4135	-0.1815	-0.363	28.971	-393.644	1
43083_3083	43083	3083	22.311	-11.112	-0.135	-0.678	34.794	-587.375	1
43083_3084	43083	3084	11.508	-5.4135	-0.1905	-0.702	26.661	-328.238	1
43084_3084	43084	3084	22.311	-8.6895	-0.153	-0.4815	33.165	-453.131	1
43084_3085	43084	3085	11.508	-5.4165	-0.201	-0.6075	24.405	-267.413	1
43085_3085	43085	3085	22.311	-8.6895	-0.174	-0.8115	31.4475	-355.556	1
43085_3086	43085	3086	11.508	-5.4165	-0.2115	-0.855	22.029	-206.531	1
43086_3086	43086	3086	22.311	-7.9425	-0.108	-0.801	29.4945	-257.906	1
43086_3087	43086	3087	11.508	-5.505	-0.18	-0.8055	20.007	-144.671	1
43087_3087	43087	3087	22.311	-7.9425	-0.1275	-0.9465	28.2735	-168.644	1
43087_3088	43087	3088	11.508	-5.505	-0.1905	-0.9285	17.8755	-82.8645	1
43088_3088	43088	3088	22.311	-8.043	-0.09	-0.9735	26.8395	-79.464	1
43088_3089	43088	3089	11.508	-5.625	-0.165	-0.8745	15.5625	-4.1655	1
43089_3089	43089	3089	22.38	-7.851	-0.108	-1.146	25.569	37.3035	1
43089_3090	43089	3090	11.556	-5.526	-0.1755	-0.9795	14.1105	43.6425	1
43090_3090	43090	3090	22.521	-8.0595	-0.4455	-0.9255	24.666	102.1245	1
43090_3091	43090	3091	11.652	-5.5815	-0.4605	-0.789	8.694	109.2405	1
43091_3091	43091	3091	22.7205	-8.0415	-0.468	-1.365	21.2295	202.4865	1
43091_3092	43091	3092	11.787	-5.2875	-0.471	-0.984	2.424	177.4485	1
43092_3092	43092	3092	23.631	-70.3455	0.486	-0.7545	41.43	-949.242	1
43092_3093	43092	3093	11.934	-5.241	0.057	-0.9435	3.126	243.1755	1
43093_3093	43093	3093	25.461	-69.705	0.4725	-2.0475	47.493	-66.981	1
43093_3094	43093	3094	12.0675	-4.9275	0.048	-0.837	3.7275	305.0625	1
43094_3094	43094	3094	18.5475	1.008	0.504	0.7545	-8.1045	-52.512	1
43094_3095	43094	3095	77.664	2.772	1.2765	1.5165	-63.858	-12.1275	1
43095_3095	43095	3095	18.5475	1.008	0.465	0.6045	-3.3075	-61.3545	1
43095_3096	43095	3096	77.667	2.772	1.113	1.446	-55.242	-30.483	1
43096_3096	43096	3096	18.5475	1.008	0.465	0.603	0.297	-69.162	1
43096_3097	43096	3097	77.667	2.772	1.11	1.446	-46.6365	-51.9735	1
43097_3097	43097	3097	18.5475	1.008	0.1725	0.699	3.903	-76.98	1
43097_3098	43097	3098	77.6685	3.5055	1.377	1.7685	-35.6145	-80.034	1
43098_3098	43098	3098	18.5475	1.008	0.15	0.5955	5.289	-85.0485	1
43098_3099	43098	3099	77.67	3.5055	1.2825	1.671	-25.3605	-108.057	1
43099_3099	43099	3099	18.5475	1.008	0.15	0.5925	6.4935	-93.1035	1
43099_3100	43099	3100	77.6715	3.5055	1.2795	1.668	-15.1155	-136.115	1
43100_3100	43100	3100	18.5475	0.984	0.147	0.147	7.6935	-101.169	1
43100_3101	43100	3101	77.673	4.5615	1.2075	1.0935	-7.8675	-163.493	1
43101_3101	43101	3101	18.5475	0.984	0.147	0.147	8.58	-107.078	1
43101_3102	43101	3102	77.673	4.5615	1.2075	1.0935	-0.621	-190.872	1
43102_3102	43102	3102	18.546	0.984	0.303	1.0935	9.4665	-112.98	1
43102_3103	43102	3103	77.6595	4.5615	1.8585	2.6925	10.518	-218.198	1
43103_3103	43103	3103	18.546	0.984	0.2715	0.8895	11.283	-118.883	1
43103_3104	43103	3104	77.6625	4.5615	1.725	2.3175	20.8725	-245.588	1
43104_3104	43104	3104	18.546	0.966	0.2235	0.6135	12.9105	-124.793	1
43104_3105	43104	3105	77.6625	5.3565	1.4715	1.9845	32.6505	-288.465	1
43105_3105	43105	3105	18.546	0.966	0.201	0.453	14.7045	-132.521	1
43105_3106	43105	3106	77.664	5.3565	1.377	1.635	43.6635	-331.289	1
43106_3106	43106	3106	18.546	0.966	0.201	0.447	16.3155	-140.238	1
43106_3107	43106	3107	77.6655	5.3565	1.374	1.6215	54.6645	-374.165	1
43107_3107	43107	3107	18.5475	1.017	0.3345	0.4425	17.925	-147.968	1
43107_3108	43107	3108	77.6685	5.7735	1.3785	1.5525	65.3565	-418.932	1
43108_3108	43108	3108	18.5475	1.017	0.336	0.4485	20.5215	-155.853	1
43108_3109	43108	3109	77.6685	5.7735	1.3815	1.5675	76.056	-463.637	1
43109_3109	43109	3109	18.5475	1.017	0.3165	0.2925	23.121	-164.717	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43109_3110	43109	3110	77.67	5.7735	1.3005	1.1475	88.41	-522.648	1
43110_3110	43110	3110	29.541	67.9245	-0.5205	2.121	60.7725	760.647	1
43110_3111	43110	3111	11.8515	3.297	-0.066	0.504	6.1365	182.5095	1
43111_3111	43111	3111	27.8115	61.5375	-0.552	0.7605	56.463	146.9205	1
43111_3112	43111	3112	11.7615	3.6045	-0.0855	0.6375	5.058	137.3025	1
43112_3112	43112	3112	26.565	64.5795	0.1185	2.448	51.1005	-411.623	1
43112_3113	43112	3113	11.6595	3.69	0.2565	0.63	8.4705	88.338	1
43113_3113	43113	3113	24.5505	7.155	0.1905	0.696	23.8725	192.7455	1
43113_3114	43113	3114	11.5635	3.981	0.2415	0.486	11.3265	43.485	1
43114_3114	43114	3114	24.4215	6.966	-0.063	0.933	26.1165	108.693	1
43114_3115	43114	3115	11.493	3.924	0.057	0.633	11.802	11.103	1
43115_3115	43115	3115	24.3615	7.176	-0.06	0.7035	25.6095	50.1675	1
43115_3116	43115	3116	11.5065	-6.7785	-0.378	0.264	37.794	-689.274	1
43116_3116	43116	3116	24.3615	7.002	-0.0105	0.705	24.7365	-53.9115	1
43116_3117	43116	3117	11.505	-6.1935	-0.222	0.4965	35.298	-619.638	1
43117_3117	43117	3117	24.3615	7.002	-0.054	0.471	24.609	-132.629	1
43117_3118	43117	3118	11.505	-6.1935	-0.243	-0.597	32.5755	-550.07	1
43118_3118	43118	3118	24.3615	7.827	-0.009	0.666	24.0015	-211.286	1
43118_3119	43118	3119	11.505	-5.973	-0.246	0.066	29.8035	-482.982	1
43119_3119	43119	3119	24.3615	7.827	-0.0525	0.1335	23.9055	-299.199	1
43119_3120	43119	3120	11.505	-5.973	-0.267	-0.795	26.8035	-415.895	1
43120_3120	43120	3120	24.36	10.6095	-0.018	0.4215	23.3235	-387.078	1
43120_3121	43120	3121	11.505	-5.8635	-0.267	-0.489	23.5785	-345.105	1
43121_3121	43121	3121	24.36	10.6095	-0.039	-0.0045	23.103	-515.153	1
43121_3122	43121	3122	11.505	-5.8635	-0.276	-0.7755	20.238	-274.317	1
43122_3122	43122	3122	24.36	16.8345	-0.0315	0.429	22.638	-643.226	1
43122_3123	43122	3123	11.5035	-5.874	-0.27	-0.711	17.2065	-208.34	1
43123_3123	43123	3123	24.36	16.8345	-0.054	-0.3195	22.2825	-832.295	1
43123_3124	43123	3124	11.5035	-5.874	-0.2805	-0.8985	14.055	-142.307	1
43124_3124	43124	3124	24.36	27.576	0.1065	1.02	21.681	-1021.53	1
43124_3125	43124	3125	11.5035	-5.958	-0.246	-0.816	11.292	-75.3945	1
43125_3125	43125	3125	24.36	15.0555	0.063	-1.3515	22.875	-1331.23	1
43125_3126	43125	3126	11.5035	-5.958	-0.267	-0.951	8.2995	-8.481	1
43126_3126	43126	3126	24.363	-11.3325	0.0615	0.2115	23.5815	-1500.18	1
43126_3127	43126	3127	11.5035	-6.0945	-0.306	-0.9105	4.0665	75.681	1
43127_3127	43127	3127	24.5865	-26.3565	0.0315	-1.59	24.4125	-1337.31	1
43127_3128	43127	3128	11.553	-5.997	-0.3195	-0.7725	1.4205	128.1585	1
43128_3128	43128	3128	25.485	-48.111	0.0795	0.144	24.9675	-1270.72	1
43128_3129	43128	3129	11.6565	-6.147	-0.387	-0.96	-3.1485	200.4015	1
43129_3129	43129	3129	27.7245	-66.39	0.0285	-2.1975	25.5435	-987.77	1
43129_3130	43129	3130	11.8095	-5.847	-0.411	-0.5925	-8.616	274.2795	1
43130_3130	43130	3130	29.199	-67.974	-0.741	-0.8865	25.542	-514.865	1
43130_3131	43130	3131	11.973	-5.934	-0.3225	-1.062	-13.1295	355.119	1
43131_3131	43131	3131	31.5345	-69.9495	-0.768	-1.2105	15.8805	234.018	1
43131_3132	43131	3132	12.162	-5.532	-0.33	-0.3825	-17.007	420.123	1
43132_3132	43132	3132	20.9445	0.1845	-0.18	0.0615	10.9125	-112.554	1
43132_3133	43132	3133	86.373	-0.5025	-1.044	0.243	-27.873	-150.318	1
43133_3133	43133	3133	20.9445	0.1845	-0.153	0.2415	9.0615	-109.935	1
43133_3134	43133	3134	86.373	-0.5025	-0.933	0.6375	-35.1045	-127.797	1
43134_3134	43134	3134	20.9445	0.1845	0.09	1.53	7.8765	-111.353	1
43134_3135	43134	3135	86.379	-0.5025	0.066	2.115	-34.593	-123.872	1
43135_3135	43135	3135	20.9445	0.1425	0.1965	0.5385	8.5725	-112.803	1
43135_3136	43135	3136	86.355	1.404	1.1925	1.2675	-25.053	-135.129	1
43136_3136	43136	3136	20.9445	0.1425	0.1965	0.5385	10.146	-113.94	1
43136_3137	43136	3137	86.355	1.404	1.1925	1.2675	-15.513	-146.369	1
43137_3137	43137	3137	20.9445	0.1425	0.171	0.3975	11.7195	-115.079	1
43137_3138	43137	3138	86.3565	1.404	1.086	1.0875	-6.834	-157.595	1
43138_3138	43138	3138	20.946	0.123	0.054	0.45	13.0845	-116.216	1
43138_3139	43138	3139	86.358	2.3715	0.9735	1.2885	-0.9945	-171.818	1
43139_3139	43139	3139	20.946	0.123	0.054	0.45	13.407	-116.954	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43139_3140	43139	3140	86.358	2.3715	0.9735	1.2885	4.8435	-186.051	1
43140_3140	43140	3140	20.946	0.123	0.0195	0.2535	13.7295	-117.693	1
43140_3141	43140	3141	86.3595	2.3715	0.8295	0.978	9.819	-200.286	1
43141_3141	43141	3141	20.946	0.123	0.054	0.4515	13.8435	-118.431	1
43141_3142	43141	3142	86.358	2.3715	0.9735	1.3125	15.657	-214.518	1
43142_3142	43142	3142	20.946	0.1455	0.075	0.3795	14.166	-119.171	1
43142_3143	43142	3143	86.358	3.054	0.909	1.203	22.9335	-238.946	1
43143_3143	43143	3143	20.946	0.1455	0.048	0.228	14.76	-120.341	1
43143_3144	43143	3144	86.3595	3.054	0.801	0.9045	29.346	-263.381	1
43144_3144	43144	3144	20.946	0.1455	0.075	0.381	15.1455	-121.509	1
43144_3145	43144	3145	86.358	3.054	0.909	1.233	36.621	-287.813	1
43145_3145	43145	3145	20.9445	0.18	0.171	0.177	15.741	-122.681	1
43145_3146	43145	3146	86.361	3.294	0.7275	0.6915	42.2625	-313.352	1
43146_3146	43146	3146	20.9445	0.18	0.198	0.3375	17.061	-124.077	1
43146_3147	43146	3147	86.3595	3.294	0.8385	1.095	48.7665	-338.885	1
43147_3147	43147	3147	20.9445	0.18	0.177	0.2475	18.591	-129.423	1
43147_3148	43147	3148	86.361	3.294	0.7545	0.903	55.932	-386.468	1
43148_3148	43148	3148	49.416	49.446	-0.2835	1.1955	36.2325	1223.505	1
43148_3149	43148	3149	24.9555	3.981	0.018	0.465	-0.528	300.2565	1
43149_3149	43149	3149	48.108	48.8085	-0.267	0.3465	32.823	644.3805	1
43149_3150	43149	3150	24.8415	4.6335	0.018	0.483	-0.2985	242.169	1
43150_3150	43150	3150	47.19	52.374	0.0945	0.951	29.907	141.6945	1
43150_3151	43150	3151	25.017	-9.372	-0.075	0.7095	32.4675	-819.753	1
43151_3151	43151	3151	45.843	53.5575	0.1095	0.3	31.1805	-538.796	1
43151_3152	43151	3152	25.2465	-8.733	-0.066	0.168	31.6845	-708.86	1
43152_3152	43152	3152	45.111	58.8015	-0.1575	0.3075	31.791	-821.582	1
43152_3153	43152	3153	25.3935	-7.3485	-0.225	0.165	29.8215	-648.209	1
43153_3153	43153	3153	44.616	3.9795	-0.147	0.4005	30.4905	-1301.62	1
43153_3154	43153	3154	25.455	-7.1355	-0.219	0.1035	26.817	-547.215	1
43154_3154	43154	3154	44.616	20.0445	-0.18	0.762	28.4745	-1356.31	1
43154_3155	43154	3155	25.4535	-6.6495	-0.165	0.045	25.008	-474.068	1
43155_3155	43155	3155	44.616	-8.7795	-0.2205	-0.672	26.496	-1576.82	1
43155_3156	43155	3156	25.4535	-6.6495	-0.1875	-0.387	22.944	-400.919	1
43156_3156	43156	3156	44.6145	-22.3035	-0.1035	-0.231	24.0705	-1480.24	1
43156_3157	43156	3157	25.4535	-6.4815	-0.165	-0.3975	21.2955	-336.041	1
43157_3157	43157	3157	44.6145	-33.684	-0.1035	-0.231	23.04	-1256.95	1
43157_3158	43157	3158	25.4535	-6.4815	-0.165	-0.3975	19.6455	-271.161	1
43158_3158	43158	3158	44.613	-23.2785	-0.0435	-0.372	22.008	-919.632	1
43158_3159	43158	3159	25.4535	-6.429	-0.177	-0.534	17.874	-206.805	1
43159_3159	43159	3159	44.613	-23.2785	-0.0435	-0.384	21.5745	-686.589	1
43159_3160	43159	3160	25.4535	-6.429	-0.177	-0.537	16.0965	-142.383	1
43160_3160	43160	3160	44.613	-17.3505	0.0465	-0.348	21.132	-453.378	1
43160_3161	43160	3161	25.4535	-6.489	-0.1395	-0.5805	14.5575	-71.0535	1
43161_3161	43161	3161	44.613	-17.3505	0.006	-0.591	21.6465	-262.664	1
43161_3162	43161	3162	25.4535	-6.489	-0.1635	-0.6465	12.7575	0.3435	1
43162_3162	43162	3162	44.6145	-14.841	-0.057	-0.453	21.7065	-71.7765	1
43162_3163	43162	3163	25.4565	-6.6525	-0.2745	-0.555	8.976	91.8285	1
43163_3163	43163	3163	44.913	-59.238	0.195	0.3405	31.893	-1286.34	1
43163_3164	43163	3164	25.5105	-6.441	-0.2505	-0.735	6.9105	143.415	1
43164_3164	43164	3164	45.669	-54.456	-0.1755	-0.3495	34.443	-1144.8	1
43164_3165	43164	3165	25.617	-6.3645	-0.3465	-0.4305	2.8305	218.2245	1
43165_3165	43165	3165	47.0235	-53.289	-0.1515	-0.9375	32.376	-516.446	1
43165_3166	43165	3166	25.7685	-5.718	-0.333	-0.705	-1.6155	287.334	1
43166_3166	43166	3166	47.997	-52.116	0.333	-0.384	29.6925	15.051	1
43166_3167	43166	3167	25.9125	-5.277	0.033	-0.552	-1.209	353.493	1
43167_3167	43167	3167	49.3395	-50.847	0.333	-1.2675	33.84	668.3805	1
43167_3168	43167	3168	26.0415	-4.6005	0.033	-0.5205	-0.807	411.2895	1
43168_3168	43168	3168	18.2625	-0.33	-0.1635	-0.162	18.435	-109.98	1
43168_3169	43168	3169	83.034	-2.8695	-0.702	-0.6645	47.2725	-311.12	1
43169_3169	43169	3169	18.2625	-0.33	-0.189	-0.264	16.875	-102.806	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43169_3170	43169	3170	83.0325	-2.8695	-0.8145	-0.9075	40.959	-270.539	1
43170_3170	43170	3170	18.2625	-0.33	-0.189	-0.264	15.411	-100.244	1
43170_3171	43170	3171	83.0325	-2.8695	-0.8145	-0.9075	34.647	-248.3	1
43171_3171	43171	3171	18.261	-0.309	-0.0945	-0.2955	13.947	-97.6845	1
43171_3172	43171	3172	83.037	-2.685	-0.891	-1.0185	27.5265	-226.851	1
43172_3172	43172	3172	18.261	-0.309	-0.0945	-0.297	13.188	-95.2185	1
43172_3173	43172	3173	83.037	-2.685	-0.8925	-1.023	20.3835	-205.367	1
43173_3173	43173	3173	18.261	-0.309	-0.0945	-0.297	12.4275	-92.751	1
43173_3174	43173	3174	83.037	-2.685	-0.8925	-1.023	13.2405	-183.881	1
43174_3174	43174	3174	18.261	-0.306	-0.12	-0.426	11.6655	-90.2835	1
43174_3175	43174	3175	83.037	-2.0745	-1.0965	-1.218	6.657	-171.425	1
43175_3175	43175	3175	18.261	-0.306	-0.09	-0.2775	10.9425	-88.446	1
43175_3176	43175	3176	83.04	-2.0745	-0.9585	-0.9315	0.903	-158.979	1
43176_3176	43176	3176	18.261	-0.306	-0.12	-0.423	10.404	-86.6085	1
43176_3177	43176	3177	83.037	-2.0745	-1.0965	-1.197	-5.6805	-146.529	1
43177_3177	43177	3177	18.261	-0.306	-0.09	-0.282	9.681	-84.771	1
43177_3178	43177	3178	83.04	-2.0745	-0.9585	-0.9525	-11.4345	-134.082	1
43178_3178	43178	3178	18.261	-0.303	-0.0615	-0.3825	9.141	-82.935	1
43178_3179	43178	3179	83.0355	-1.1055	-0.75	-0.9495	-17.436	-125.241	1
43179_3179	43179	3179	18.261	-0.303	-0.0615	-0.3825	8.643	-80.511	1
43179_3180	43179	3180	83.0355	-1.1055	-0.75	-0.9495	-23.436	-116.403	1
43180_3180	43180	3180	18.261	-0.303	-0.0855	-0.48	8.1465	-78.087	1
43180_3181	43180	3181	83.034	-1.1055	-0.8535	-1.095	-30.267	-107.562	1
43181_3181	43181	3181	18.2655	-0.312	-0.315	-0.39	7.467	-75.6645	1
43181_3182	43181	3182	83.0265	-0.246	-0.573	-0.705	-34.6995	-105.666	1
43182_3182	43182	3182	18.264	-0.312	-0.339	-0.486	5.028	-73.2525	1
43182_3183	43182	3183	83.025	-0.246	-0.681	-0.8445	-39.9825	-103.763	1
43183_3183	43183	3183	18.2655	-0.312	-0.333	-0.5235	2.4015	-74.0775	1
43183_3184	43183	3184	83.025	-0.246	-0.6555	-0.9285	-46.2165	-116.165	1
43184_3184	43184	3184	38.1195	59.1615	-0.3	1.2585	35.9955	1336.26	1
43184_3185	43184	3185	13.7775	5.472	0.0675	0.5655	-3.1665	287.73	1
43185_3185	43185	3185	36.5685	60.132	-0.3	0.42	32.244	592.9755	1
43185_3186	43185	3186	13.6305	5.8275	0.0675	0.648	-2.304	214.6755	1
43186_3186	43186	3186	35.3685	60.0705	0.3555	1.0635	29.2335	80.697	1
43186_3187	43186	3187	13.464	5.913	0.483	0.7695	4.1115	136.2285	1
43187_3187	43187	3187	33.7875	57.2205	0.336	0.3375	33.966	-549.444	1
43187_3188	43187	3188	13.311	-7.068	0.018	0.15	32.493	-621.783	1
43188_3188	43188	3188	32.85	53.796	-0.0465	0.423	37.728	-1062.99	1
43188_3189	43188	3189	13.431	-5.88	-0.15	0.273	31.2465	-573.246	1
43189_3189	43189	3189	32.421	14.394	-0.0525	0.465	37.4085	-1333.03	1
43189_3190	43189	3190	13.479	-5.7705	-0.147	0.1875	29.2305	-491.63	1
43190_3190	43190	3190	32.4225	13.8045	-0.1065	0.159	36.6885	-1530.85	1
43190_3191	43190	3191	13.4775	-5.265	-0.117	-0.0255	27.9435	-433.712	1
43191_3191	43191	3191	32.4225	-26.3715	-0.1065	0.159	35.52	-1682.72	1
43191_3192	43191	3192	13.4775	-5.265	-0.117	-0.0255	26.655	-375.788	1
43192_3192	43192	3192	32.421	-27.612	-0.0735	-0.2025	34.3515	-1392.59	1
43192_3193	43192	3193	13.4775	-5.0385	-0.129	-0.2955	25.3545	-325.044	1
43193_3193	43193	3193	32.421	-27.618	-0.0735	-0.2025	33.6105	-1114.5	1
43193_3194	43193	3194	13.4775	-5.0385	-0.129	-0.2955	24.0555	-274.301	1
43194_3194	43194	3194	32.4195	-19.6065	0.0645	-0.3825	32.8695	-836.346	1
43194_3195	43194	3195	13.4775	-4.9665	-0.099	-0.483	23.0595	-224.283	1
43195_3195	43195	3195	32.4195	-19.6065	0.0645	-0.3825	33.5175	-638.885	1
43195_3196	43195	3196	13.4775	-4.9665	-0.099	-0.483	22.0635	-174.261	1
43196_3196	43196	3196	32.418	-14.9715	0.129	-0.6615	34.1655	-441.468	1
43196_3197	43196	3197	13.479	-5.001	-0.132	-0.666	20.6145	-119.3	1
43197_3197	43197	3197	32.418	-14.9715	0.159	-0.414	35.5875	-276.915	1
43197_3198	43197	3198	13.479	-5.001	-0.12	-0.5595	19.296	-64.2855	1
43198_3198	43198	3198	32.4195	-13.062	0.069	-0.6	37.329	-112.211	1
43198_3199	43198	3199	13.4805	-5.1465	-0.198	-0.6135	16.581	6.483	1
43199_3199	43199	3199	32.5245	-12.7995	0.06	-0.8805	38.2665	60.2235	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43199_3200	43199	3200	13.521	-5.037	-0.201	-0.792	14.919	45.048	1
43200_3200	43200	3200	32.7135	-11.9925	-0.0915	-0.477	38.7735	165.861	1
43200_3201	43200	3201	13.605	-5.067	-0.282	-0.54	11.604	104.571	1
43201_3201	43201	3201	33.8535	-60.111	-0.1155	-1.9215	59.0655	-829.058	1
43201_3202	43201	3202	13.7265	-4.728	-0.2865	-0.885	7.7835	162.957	1
43202_3202	43202	3202	34.9365	-56.028	0.4875	-0.7755	57.102	-101.327	1
43202_3203	43202	3203	13.8435	-4.5855	0.0495	-0.684	8.4045	220.44	1
43203_3203	43203	3203	36.3555	-55.1175	0.4875	-2.3895	63.171	600.9585	1
43203_3204	43203	3204	13.956	-4.23	0.0495	-0.8985	9.0045	273.5805	1
43204_3204	43204	3204	19.3515	-1.0335	-0.375	-0.4875	31.4415	-154.178	1
43204_3205	43204	3205	81.5715	-4.386	-1.3995	-1.62	81.072	-405.473	1
43205_3205	43205	3205	19.3515	-1.0335	-0.3555	-0.2415	27.879	-138.713	1
43205_3206	43205	3206	81.5715	-4.386	-1.3185	-0.8355	70.8465	-347.684	1
43206_3206	43206	3206	19.3515	-1.0335	-0.381	-0.411	25.1205	-130.7	1
43206_3207	43206	3207	81.57	-4.386	-1.425	-1.284	59.8065	-313.686	1
43207_3207	43207	3207	19.3515	-1.008	-0.3345	-0.501	22.1685	-122.691	1
43207_3208	43207	3208	81.5805	-4.173	-1.6425	-1.593	46.659	-280.313	1
43208_3208	43208	3208	19.3515	-1.008	-0.3345	-0.498	19.4925	-114.627	1
43208_3209	43208	3209	81.5805	-4.173	-1.641	-1.587	33.54	-246.966	1
43209_3209	43209	3209	19.3515	-1.008	-0.3585	-0.633	16.824	-106.572	1
43209_3210	43209	3210	81.579	-4.173	-1.7445	-1.9005	19.578	-213.576	1
43210_3210	43210	3210	19.3515	-1.014	-0.3015	-0.5805	13.9545	-98.511	1
43210_3211	43210	3211	81.5805	-3.6705	-1.596	-1.7055	9.996	-191.553	1
43211_3211	43211	3211	19.3515	-1.014	-0.3015	-0.5805	12.1425	-92.424	1
43211_3212	43211	3212	81.5805	-3.6705	-1.596	-1.7055	0.4155	-169.53	1
43212_3212	43212	3212	19.35	-1.014	-0.3345	-0.7245	10.3305	-86.3355	1
43212_3213	43212	3213	81.5775	-3.6705	-1.7325	-1.9875	-9.981	-147.504	1
43213_3213	43213	3213	19.3515	-1.014	-0.3015	-0.591	8.325	-80.2485	1
43213_3214	43213	3214	81.5805	-3.6705	-1.596	-1.7415	-19.5615	-125.483	1
43214_3214	43214	3214	19.35	-1.011	-0.351	-0.7455	6.513	-74.16	1
43214_3215	43214	3215	81.5745	-2.8725	-1.578	-1.764	-32.19	-102.488	1
43215_3215	43215	3215	19.3515	-1.011	-0.327	-0.663	3.708	-66.075	1
43215_3216	43215	3216	81.576	-2.8725	-1.476	-1.6365	-44.0025	-79.5015	1
43216_3216	43216	3216	19.3515	-1.011	-0.327	-0.663	1.0965	-57.987	1
43216_3217	43216	3217	81.576	-2.8725	-1.476	-1.6365	-55.815	-56.5125	1
43217_3217	43217	3217	19.353	-1.029	-0.423	-0.663	-1.5135	-49.899	1
43217_3218	43217	3218	81.5595	-2.2275	-1.1415	-1.2465	-64.665	-39.24	1
43218_3218	43218	3218	19.353	-1.029	-0.3975	-0.609	-4.788	-41.919	1
43218_3219	43218	3219	81.561	-2.2275	-1.0365	-1.1955	-72.699	-21.9795	1
43219_3219	43219	3219	19.3515	-1.029	-0.477	-0.8625	-7.8705	-38.5425	1
43219_3220	43219	3220	81.5565	-2.2275	-1.3725	-1.6125	-85.731	-20.2575	1
43220_3220	43220	3220	35.607	57.609	-0.4245	1.602	65.559	1297.721	1
43220_3221	43220	3221	13.587	5.7585	0.1095	0.7755	10.437	229.4265	1
43221_3221	43221	3221	34.1625	53.421	-0.447	2.052	60.7065	694.557	1
43221_3222	43221	3222	13.437	6.102	0.069	1.2435	11.2575	152.9475	1
43222_3222	43222	3222	33.1005	57.6735	0.27	4.077	55.338	72.4245	1
43222_3223	43222	3223	13.2705	6.1455	0.54	1.0395	18.444	71.415	1
43223_3223	43223	3223	31.701	53.3205	0.081	-0.447	59.7705	-473.754	1
43223_3224	43223	3224	13.1175	6.471	0.4725	0.8025	24.0135	-0.414	1
43224_3224	43224	3224	30.966	63.795	-0.0225	6.3555	60.6465	-1100.47	1
43224_3225	43224	3225	13.017	6.489	0.291	1.2	26.421	-53.955	1
43225_3225	43225	3225	30.456	8.8395	-0.165	-1.698	60.504	-1626.6	1
43225_3226	43225	3226	12.966	6.5925	0.231	0.7365	30.1125	-158.9	1
43226_3226	43226	3226	30.456	22.3875	-0.168	4.605	57.876	-1767.2	1
43226_3227	43226	3227	12.966	6.552	0.249	1.2885	33.126	-238.17	1
43227_3227	43227	3227	30.4545	-23.832	-0.294	-3.8475	55.845	-2038.12	1
43227_3228	43227	3228	12.9675	6.552	0.195	0.3	35.4885	-317.394	1
43228_3228	43228	3228	30.4455	-29.685	-0.096	2.571	52.2885	-1749.73	1
43228_3229	43228	3229	12.9645	6.7365	0.282	1.3845	38.9025	-398.81	1
43229_3229	43229	3229	30.4455	-34.107	-0.222	-3.177	51.123	-1390.74	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43229_3230	43229	3230	12.966	6.7365	0.228	-0.264	41.6685	-480.281	1
43230_3230	43230	3230	30.432	-25.9875	0.057	0.699	48.435	-978.002	1
43230_3231	43230	3231	12.9645	7.1565	0.2475	1.4655	44.7075	-567.956	1
43231_3231	43231	3231	30.432	-25.9875	-0.069	-2.0055	49.125	-659.238	1
43231_3232	43231	3232	12.966	7.1565	0.195	-0.864	47.0925	-655.68	1
43232_3232	43232	3232	30.4245	-21.795	0.024	-0.723	48.285	-340.611	1
43232_3233	43232	3233	12.966	7.956	0.126	1.212	48.084	-717.866	1
43233_3233	43233	3233	30.4245	-21.795	0.0045	-0.8265	48.4695	-169.835	1
43233_3234	43233	3234	12.966	7.956	0.1185	0.7725	48.9675	-777.183	1
43234_3234	43234	3234	30.5985	-21.549	-0.081	-1.2375	48.498	-7.3455	1
43234_3235	43234	3235	12.903	7.935	0.0735	-1.7775	47.6055	-832.037	1
43235_3235	43235	3235	30.882	-54.306	1.032	-0.3525	56.6805	-667.658	1
43235_3236	43235	3236	12.774	9.108	0.5475	2.016	50.877	-885.216	1
43236_3236	43236	3236	31.392	-60.015	1.161	-1.1895	62.8815	-581.166	1
43236_3237	43236	3237	12.696	9.2175	0.531	0.4665	53.658	-933.773	1
43237_3237	43237	3237	32.3805	-64.836	1.2165	-3.0045	69.4125	-488.561	1
43237_3238	43237	3238	12.546	9.423	0.4935	-2.904	58.4385	-1032.63	1
43238_3238	43238	3238	32.5455	-45.984	-1.1865	-1.3965	81.5955	154.0035	1
43238_3239	43238	3239	12.213	13.29	-0.786	1.17	50.6055	-1169.01	1
43239_3239	43239	3239	33.4635	-45.318	-1.257	-1.332	69.456	627.342	1
43239_3240	43239	3240	11.94	13.533	-0.816	-2.577	41.583	-1315.08	1
43240_3240	43240	3240	33.147	-33.4095	-1.5765	-3.5655	55.74	1116.059	1
43240_3241	43240	3241	11.019	19.0605	0.999	-4.29	48.7875	-1455.09	1
43241_3241	43241	3241	22.464	1.2525	-0.3795	-0.099	-5.244	-45.3885	1
43241_3242	43241	3242	90.573	-7.3605	1.017	0.573	86.2905	-498.291	1
43242_3242	43242	3242	22.4625	1.2525	-0.459	-0.2685	-8.844	-55.605	1
43242_3243	43242	3243	90.576	-7.3605	0.693	-1.2615	91.608	-435.032	1
43243_3243	43243	3243	22.3635	1.3155	1.0035	0.924	-12.369	-65.133	1
43243_3244	43243	3244	90.7425	-5.088	-2.1255	-0.9105	71.3685	-386.496	1
43244_3244	43244	3244	22.3665	1.3155	0.954	0.7545	-2.8185	-77.6535	1
43244_3245	43244	3245	90.738	-5.088	-2.325	-1.755	47.8845	-335.085	1
43245_3245	43245	3245	22.3935	1.3905	0.4695	1.0395	6.8235	-90.909	1
43245_3246	43245	3246	90.6705	-4.908	-1.578	-1.0065	32.19	-286.166	1
43246_3246	43246	3246	22.395	1.3905	0.3795	0.618	11.499	-104.736	1
43246_3247	43246	3247	90.6645	-4.908	-1.944	-2.1585	13.3845	-238.664	1
43247_3247	43247	3247	22.401	1.416	0.225	1.0275	15.177	-118.157	1
43247_3248	43247	3248	90.606	-4.635	-1.065	-1.392	3.603	-196.02	1
43248_3248	43248	3248	22.4025	1.416	0.15	0.5865	17.2455	-131.172	1
43248_3249	43248	3249	90.6015	-4.635	-1.3695	-2.0535	-10.6905	-147.662	1
43249_3249	43249	3249	22.4055	1.446	0.0225	0.945	18.807	-145.917	1
43249_3250	43249	3250	90.528	-4.5675	-0.0645	-1.7145	-11.3505	-100.926	1
43250_3250	43250	3250	22.4055	1.446	-0.042	0.474	19.0425	-160.707	1
43250_3251	43250	3251	90.528	-4.5675	-0.33	-2.0085	-14.448	-57.972	1
43251_3251	43251	3251	22.3785	1.4925	0.5415	1.107	18.642	-174.264	1
43251_3252	43251	3252	90.7155	-7.005	-5.286	-1.4955	-58.8705	0.948	1
43252_3252	43252	3252	22.38	1.4925	0.4665	0.4845	23.193	-186.812	1
43252_3253	43252	3253	90.6975	-7.005	-5.589	-1.4925	-105.963	59.9715	1
43253_3253	43253	3253	22.3815	1.4925	0.438	0.2355	27.126	-199.605	1
43253_3254	43253	3254	90.69	-7.005	-5.7045	-1.47	-149.676	112.7895	1
43254_3254	43254	3254	22.41	1.737	-0.48	-0.192	30.486	-211.044	1
43254_3255	43254	3255	90.3315	-19.203	4.6395	13.101	-134.529	175.947	1
43255_3255	43255	3255	36.3015	40.695	-6.0675	4.1205	98.664	1426.878	1
43255_3256	43255	3256	19.2345	5.583	-1.179	1.56	-1.374	260.0595	1
43256_3256	43256	3256	35.2335	18.1365	-4.17	5.6505	21.5925	918.987	1
43256_3257	43256	3257	19.0365	6.21	-1.2375	2.4255	-11.514	209.2335	1
43257_3257	43257	3257	34.9695	22.7235	2.721	1.026	-12.147	770.379	1
43257_3258	43257	3258	18.8175	5.9025	1.521	0.891	3.663	150.846	1
43258_3258	43258	3258	34.599	23.2935	2.6475	1.9635	14.694	545.8905	1
43258_3259	43258	3259	18.7215	6.21	1.482	1.1565	16.4295	97.347	1
43259_3259	43259	3259	34.3065	21.5535	2.52	1.398	37.005	362.358	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43259_3260	43259	3260	18.6375	6.4695	1.425	0.6195	20.955	84.8025	1
43260_3260	43260	3260	34.143	22.791	0.246	1.9785	44.9595	295.29	1
43260_3261	43260	3261	18.678	6.315	0.1905	1.0395	22.3755	37.434	1
43261_3261	43261	3261	33.882	20.6655	0.144	1.548	45.6225	146.403	1
43261_3262	43261	3262	18.5985	6.5475	0.1515	0.8385	23.799	-23.769	1
43262_3262	43262	3262	33.7095	20.946	0.0285	1.0005	46.974	-49.4055	1
43262_3263	43262	3263	18.5445	6.702	0.0885	0.567	24.48	-76.5585	1
43263_3263	43263	3263	33.7035	23.883	0.48	2.262	47.1915	-209.856	1
43263_3264	43263	3264	18.5385	6.6465	0.5025	1.0425	30.135	-151.434	1
43264_3264	43264	3264	33.705	23.883	0.393	1.038	52.596	-478.937	1
43264_3265	43264	3265	18.54	6.6465	0.4545	0.6555	35.49	-229.754	1
43265_3265	43265	3265	33.705	29.2695	0.381	3.507	57.234	-760.37	1
43265_3266	43265	3266	18.5415	6.711	0.336	1.311	39.387	-307.716	1
43266_3266	43266	3266	33.7065	29.2695	0.2535	-0.654	61.668	-1100.44	1
43266_3267	43266	3267	18.543	6.711	0.2655	0.147	42.4215	-384.438	1
43267_3267	43267	3267	33.7095	37.599	0.5145	3.615	64.5735	-1435.03	1
43267_3268	43267	3268	18.5445	6.9825	0.381	1.2645	46.839	-465.503	1
43268_3268	43268	3268	33.711	10.074	0.42	-1.623	70.5435	-1871.51	1
43268_3269	43268	3269	18.546	6.9825	0.3285	-0.039	50.5995	-545.396	1
43269_3269	43269	3269	33.7095	-7.614	0.087	3.534	75.3465	-1986.9	1
43269_3270	43269	3270	18.549	7.473	0.4275	1.623	55.8075	-636.63	1
43270_3270	43270	3270	33.7095	-7.614	-0.042	-3.693	76.413	-1893.96	1
43270_3271	43270	3271	18.5505	7.473	0.3555	-0.807	60.1125	-726.975	1
43271_3271	43271	3271	33.72	-55.287	0.582	2.9655	75.9135	-1802.05	1
43271_3272	43271	3272	18.546	8.1255	-0.3825	2.8155	57.465	-783.342	1
43272_3272	43272	3272	34.32	-69.231	0.519	-1.047	79.7025	-1539.05	1
43272_3273	43272	3273	18.474	8.2875	-0.4245	0.48	53.46	-862.469	1
43273_3273	43273	3273	35.2995	-70.326	0.426	-5.115	84.348	-965.325	1
43273_3274	43273	3274	18.3555	8.5425	-0.483	-2.9595	49.425	-932.798	1
43274_3274	43274	3274	35.169	-52.2225	-3.4245	0.9075	87.741	-550.971	1
43274_3275	43274	3275	18.1425	12.363	-2.013	2.8185	44.9025	-961.713	1
43275_3275	43275	3275	35.757	-51.819	-3.453	-1.188	79.725	-437.472	1
43275_3276	43275	3276	17.9985	12.5685	-2.0295	1.011	27.291	-1075.09	1
43276_3276	43276	3276	36.5655	-53.382	-3.5385	-2.0895	49.4595	-87.615	1
43276_3277	43276	3277	17.796	12.846	-2.082	-2.5155	8.9895	-1186.96	1
43277_3277	43277	3277	36.7365	-41.3265	2.658	-6.45	18.2955	377.349	1
43277_3278	43277	3278	17.3475	16.9935	3.0705	-2.7255	40.998	-1364.41	1
43278_3278	43278	3278	38.025	-44.2545	2.4945	-6.342	44.52	652.1085	1
43278_3279	43278	3279	16.8405	17.502	3.0315	-6.855	69.7995	-1533.06	1
43279_3279	43279	3279	22.206	0.6345	-1.3635	-8.436	-44.5365	-37.707	1
43279_3280	43279	3280	95.7855	-10.374	0.6855	15.375	84.3135	-581.172	1
43280_3280	43280	3280	22.23	1.338	1.7865	1.1115	-50.1615	-40.392	1
43280_3281	43280	3281	95.775	-8.0715	-0.6765	0.813	80.0715	-530.43	1
43281_3281	43281	3281	22.236	1.338	1.716	0.765	-38.952	-46.3215	1
43281_3282	43281	3282	95.7735	-8.0715	-0.9825	-0.7725	70.59	-441.887	1
43282_3282	43282	3282	22.2405	1.338	1.65	0.5895	-22.3875	-59.241	1
43282_3283	43282	3283	95.769	-8.0715	-1.266	-2.082	60.006	-374.412	1
43283_3283	43283	3283	22.236	1.4565	0.669	0.714	-8.595	-81.96	1
43283_3284	43283	3284	95.7555	-7.815	-2.8635	-0.0345	24.597	-327.477	1
43284_3284	43284	3284	22.239	1.4565	0.582	0.3285	-0.333	-99.9735	1
43284_3285	43284	3285	95.7435	-7.815	-3.2325	-1.296	-13.9485	-234.291	1
43285_3285	43285	3285	22.236	1.737	0.015	0.7665	6.6165	-117.353	1
43285_3286	43285	3286	95.766	-7.2915	0.396	-0.5145	-9.2595	-147.965	1
43286_3286	43286	3286	22.236	1.737	-0.081	0.1755	6.7845	-137.913	1
43286_3287	43286	3287	95.7675	-7.2915	-0.015	-1.149	-9.4095	-72.015	1
43287_3287	43287	3287	22.2255	1.818	0.4635	0.7065	5.94	-155.984	1
43287_3288	43287	3288	95.778	-9.219	-0.996	-0.7905	-20.6565	32.1435	1
43288_3288	43288	3288	22.227	1.818	0.387	0.108	11.172	-176.523	1
43288_3289	43288	3289	95.775	-9.219	-1.3215	-0.6825	-35.103	132.963	1
43289_3289	43289	3289	22.2255	1.9005	0.102	0.858	15.4125	-196.424	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43289_3290	43289	3290	95.781	-13.3395	-0.6165	-1.35	-40.2585	244.5705	1
43290_3290	43290	3290	22.2255	1.9005	0.0525	0.3945	16.26	-212.319	1
43290_3291	43290	3291	95.7795	-13.3395	-0.825	-0.816	-46.743	349.398	1
43291_3291	43291	3291	22.2255	1.9005	0.009	-0.0585	16.6755	-228.264	1
43291_3292	43291	3292	95.778	-13.3395	-1.017	-0.165	-54.756	450.1665	1
43292_3292	43292	3292	22.2225	2.0985	-0.3315	1.7715	16.7415	-243.279	1
43292_3293	43292	3293	95.8125	-22.6785	2.037	-0.873	-49.6425	507.2715	1
43293_3293	43293	3293	13.4265	75.15	-1.725	2.166	30.3795	-210.062	1
43293_3294	43293	3294	1.0305	2.0565	0.357	-1.569	-7.578	472.1835	1
43294_3294	43294	3294	10.692	67.9035	-1.9875	-0.7695	17.688	-423.063	1
43294_3295	43294	3295	1.467	-13.6605	-0.42	-2.748	13.179	-1287.73	1
43295_3295	43295	3295	9.6015	73.47	0.195	4.89	-2.055	-638.052	1
43295_3296	43295	3296	1.9695	-10.239	-0.1875	4.0485	10.7055	-1176.3	1
43296_3296	43296	3296	7.9605	66.9075	0.1725	-0.159	1.3185	-1091.56	1
43296_3297	43296	3297	2.184	-10.197	-0.198	-0.8595	9.3075	-1092.36	1
43297_3297	43297	3297	6.9075	63.582	0.1605	-4.2915	3.54	-1456.52	1
43297_3298	43297	3298	2.3415	-10.1625	-0.2055	-4.131	8.4525	-1048	1
43298_3298	43298	3298	6.2445	67.7205	0.486	4.464	5.4285	-1389.91	1
43298_3299	43298	3299	2.469	-7.8855	0.2415	2.4195	10.596	-999.557	1
43299_3299	43299	3299	6.027	12.54	0.474	0.2355	9.4515	-1947.66	1
43299_3300	43299	3300	2.4945	-7.878	0.2355	0.231	12.3645	-940.856	1
43300_3300	43300	3300	6.027	12.54	0.462	-3.642	12.981	-2042.72	1
43300_3301	43300	3301	2.4945	-7.878	0.231	-1.551	14.007	-885.536	1
43301_3301	43301	3301	6.021	25.5225	-0.369	5.088	16.2645	-2132.12	1
43301_3302	43301	3302	2.4915	-6.423	-0.201	1.893	11.577	-807.995	1
43302_3302	43302	3302	6.0195	-14.4705	-0.3915	-4.209	11.805	-2440.48	1
43302_3303	43302	3303	2.4915	-6.423	-0.21	-1.185	9.0075	-729.665	1
43303_3303	43303	3303	6.0195	-25.3245	-0.0915	2.9145	7.0245	-2264.22	1
43303_3304	43303	3304	2.4915	-5.4855	-0.093	1.074	7.8045	-659.307	1
43304_3304	43304	3304	6.0195	-30.879	-0.1095	-2.949	5.844	-1939.26	1
43304_3305	43304	3305	2.4915	-5.4855	-0.1005	-0.9195	6.6465	-596.526	1
43305_3305	43305	3305	6.0195	-21.4425	-0.1065	2.2335	4.584	-1585.96	1
43305_3306	43305	3306	2.4915	-4.9155	-0.108	0.8475	5.2245	-531.497	1
43306_3306	43306	3306	6.0195	-21.4425	-0.1275	-2.5995	3.183	-1302.2	1
43306_3307	43306	3307	2.49	-4.9155	-0.117	-1.125	3.9345	-477.213	1
43307_3307	43307	3307	6.0195	-14.997	-0.1035	1.35	1.7685	-1065.5	1
43307_3308	43307	3308	2.49	-4.62	-0.153	0.4515	2.0025	-419.16	1
43308_3308	43308	3308	6.018	-14.997	-0.123	-1.59	0.4755	-877.01	1
43308_3309	43308	3309	2.4885	-4.62	-0.162	-0.9525	0.1065	-365.088	1
43309_3309	43309	3309	6.018	-11.04	-0.1065	0.6885	-0.963	-701.459	1
43309_3310	43309	3310	2.4885	-4.5345	-0.147	0.0945	-1.6425	-311.291	1
43310_3310	43310	3310	6.018	-11.04	-0.123	-0.9825	-2.2185	-570.435	1
43310_3311	43310	3311	2.4885	-4.5345	-0.1545	-0.816	-3.561	-255.008	1
43311_3311	43311	3311	6.015	-8.9415	-0.3825	0.219	-3.7515	-433.418	1
43311_3312	43311	3312	2.4855	-4.665	-0.4185	-0.1695	-8.622	-198.531	1
43312_3312	43312	3312	6.0135	-8.9415	-0.4005	-0.8025	-8.379	-325.146	1
43312_3313	43312	3313	2.484	-4.665	-0.426	-0.7935	-13.8	-141.807	1
43313_3313	43313	3313	6.0225	-7.545	0.8985	-0.2895	-13.2555	-216.404	1
43313_3314	43313	3314	2.4915	-4.6875	0.663	-0.3345	-5.3805	-82.2225	1
43314_3314	43314	3314	6.0255	-7.545	0.876	-0.7395	-1.8435	-120.495	1
43314_3315	43314	3315	2.4945	-4.6875	0.6525	-0.6405	2.8815	-22.908	1
43315_3315	43315	3315	6.042	-7.536	-1.128	-1.893	9.231	-25.0725	1
43315_3316	43315	3316	2.4975	-4.6455	-0.3525	-1.704	0	15.0735	1

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
3000_3000	3000	3000	-0.906	-4.6125	0.108	-0.18	0	-3.192	1
3000_3001	3000	3001	-5.6745	5.01	-0.159	0.189	-2.3715	-44.67	1
3001_3001	3001	3001	-83.5365	18.3585	-0.1005	-0.015	-1.4925	-640.721	1
3001_3002	3001	3002	-9.969	5.055	-0.156	0.18	-3.9525	-77.5185	1
3002_3002	3002	3002	-118.541	15.627	0.1305	0.2655	-3.1425	-907.245	1
3002_3003	3002	3003	-14.9805	5.0475	0.213	0.1965	-1.2585	-115.911	1
3003_3003	3003	3003	-152.942	-2.9955	0.1425	-0.15	-1.6935	-1168.42	1
3003_3004	3003	3004	-20.0145	5.0475	0.213	0.1515	1.338	-154.076	1
3004_3004	3004	3004	-169.695	0.3045	0.045	0.2055	0.072	-1295.96	1
3004_3005	3004	3005	-25.086	5.082	0.0945	0.18	2.481	-192.488	1
3005_3005	3005	3005	-186.992	-10.2435	0.0525	-0.0525	0.771	-1427.29	1
3005_3006	3005	3006	-30.1575	5.082	0.0945	0.141	3.6225	-230.924	1
3006_3006	3006	3006	-191.865	-3.711	0.0405	0.369	1.6455	-1464.23	1
3006_3007	3006	3007	-35.178	5.0325	0.063	0.1875	4.38	-268.962	1
3007_3007	3007	3007	-202.056	-13.7445	0.0435	-0.195	2.427	-1541.37	1
3007_3008	3007	3008	-40.1985	5.0325	0.0615	0.084	5.1375	-307.02	1
3008_3008	3008	3008	-201.252	-6.8235	0.042	0.198	3.2865	-1535.1	1
3008_3009	3008	3009	-45.168	4.9815	0.0525	0.132	5.7585	-344.775	1
3009_3009	3009	3009	-206.474	-16.8195	0.0435	-0.0735	4.1145	-1574.49	1
3009_3010	3009	3010	-50.136	4.9815	0.0525	0.069	6.393	-382.428	1
3010_3010	3010	3010	-200.955	-10.3095	0.0525	0.297	4.938	-1532.51	1
3010_3011	3010	3011	-55.044	4.935	0.054	0.135	7.0215	-419.808	1
3011_3011	3011	3011	-201.431	-39.7305	0.051	-0.252	5.2965	-1536.27	1
3011_3012	3011	3012	-59.973	4.9485	0.054	-0.018	7.6455	-457.326	1
3012_3012	3012	3012	-192.294	-34.128	0.066	0.0765	6.2385	-1466.87	1
3012_3013	3012	3013	-65.0175	5.055	0.069	0.048	8.4915	-495.561	1
3013_3013	3013	3013	-188.436	-43.917	0.0675	-0.159	7.3065	-1437.5	1
3013_3014	3013	3014	-70.0605	5.055	0.069	-0.042	9.336	-533.784	1
3014_3014	3014	3014	-173.723	-41.5065	0.0765	0.072	8.316	-1325.85	1
3014_3015	3014	3015	-77.379	5.4465	0.0375	0.0525	9.9075	-589.331	1
3015_3015	3015	3015	-170.237	-53.2905	0.0495	-0.1995	6.534	-1223.21	1
3015_3016	3015	3016	-86.2995	5.2005	0.0255	-0.1305	6.9765	-633.791	1
3016_3016	3016	3016	-149.327	-29.4465	-0.018	0.015	6.4455	-1105.14	1
3016_3017	3016	3017	-84.8115	6.1005	0.0195	0	7.1505	-692.474	1
3017_3017	3017	3017	-117.945	-39.4125	-0.021	-0.2355	5.8035	-995.067	1
3017_3018	3017	3018	-76.3905	5.976	0.0195	-0.2505	7.404	-772.304	1
3018_3018	3018	3018	-74.016	-44.2575	0.015	-0.0555	5.0505	-785.768	1
3018_3019	3018	3019	-67.0905	6.7845	0.021	-0.0555	7.659	-857.522	1
3019_3019	3019	3019	-37.824	-53.481	-0.003	-0.2535	4.5075	-554.883	1
3019_3020	3019	3020	-57.345	7.032	0.021	-0.417	7.7955	-948.495	1
3020_3020	3020	3020	-106.452	-11.3955	-0.1185	-0.0315	8.7405	-397.694	1
3020_3021	3020	3021	-38.469	-29.0625	-0.108	0.024	2.748	-376.604	1
3021_3021	3021	3021	-113.136	-15.9585	-0.063	-0.072	5.367	-478.211	1
3021_3022	3021	3022	-23.2635	-22.2915	-0.099	-0.0435	2.409	-263.051	1
3022_3022	3022	3022	-117.596	-20.7975	-0.0465	-0.0615	4.434	-539.184	1
3022_3023	3022	3023	-9.0975	-2.0535	-0.1035	-0.042	4.245	-147.749	1
3023_3023	3023	3023	-120.161	-12.4965	-0.075	-0.033	3.4275	-617.868	1
3023_3024	3023	3024	-7.7055	-1.7835	-0.0765	-0.042	3.4245	-131.516	1
3024_3024	3024	3024	-124.607	-18.654	-0.063	-0.0195	2.5005	-678.813	1
3024_3025	3024	3025	-6.4005	-1.716	-0.072	-0.0405	2.709	-117.333	1
3025_3025	3025	3025	-125.634	-25.5075	-0.0465	-0.081	1.7475	-713.388	1
3025_3026	3025	3026	-5.1195	-1.716	-0.0735	-0.0525	2.1195	-108.744	1
3026_3026	3026	3026	-123.699	-22.38	-0.054	0.0585	1.188	-721.433	1
3026_3027	3026	3027	-4.2105	-1.611	-0.066	-0.0315	1.659	-98.8815	1
3027_3027	3027	3027	-125.58	-27.588	-0.039	-0.0345	0.7785	-746.127	1
3027_3028	3027	3028	-3.3345	-1.533	-0.0645	-0.045	1.2075	-87.603	1
3028_3028	3028	3028	-125.726	-33.2025	-0.027	-0.0195	0.5295	-755.499	1
3028_3029	3028	3029	-2.4855	-1.509	-0.063	-0.0435	0.819	-80.4135	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3029_3029	3029	3029	-123.627	-23.1345	0.0375	-0.084	0.5565	-741.941	1
3029_3030	3029	3030	-2.478	0.8535	0.021	0.0315	-0.5925	42.4635	1
3030_3030	3030	3030	-121.065	-17.8515	0.033	0.0825	0.8715	-716.262	1
3030_3031	3030	3031	-3.153	0.978	0.021	0.0255	-0.489	44.1915	1
3031_3031	3031	3031	-121.917	-25.308	0.048	0.0255	1.332	-706.377	1
3031_3032	3031	3032	-3.915	1.077	0.027	0.0345	-0.285	43.158	1
3032_3032	3032	3032	-119.598	-32.175	0.063	-0.036	1.983	-669.773	1
3032_3033	3032	3033	-4.749	1.149	0.033	0.042	-0.0045	40.1925	1
3033_3033	3033	3033	-113.723	-32.124	0.009	0.099	2.8335	-606.461	1
3033_3034	3033	3034	-19.158	25.2	0.1005	0.054	1.8345	-236.616	1
3034_3034	3034	3034	-109.305	-38.262	0.0375	-0.0195	3.3435	-551.282	1
3034_3035	3034	3035	-38.3895	28.8555	0.09	-0.009	2.115	-352.629	1
3035_3035	3035	3035	-100.968	-35.001	0.09	0.054	6.063	-465.408	1
3035_3036	3035	3036	-63.171	36.99	0.105	0.03	2.6085	-552.981	1
3036_3036	3036	3036	-21.2265	-5.3565	-0.0105	-0.09	-0.192	-236.46	1
3036_3037	3036	3037	-66.084	-30.5265	-0.0165	-0.273	-5.964	-565.356	1
3037_3037	3037	3037	-28.395	-0.5145	0.0105	0.054	3.678	-510.299	1
3037_3038	3037	3038	-54.9075	-9	0.006	0.0915	5.823	-678.317	1
3038_3038	3038	3038	-55.923	-4.1955	0.0345	0.1905	4.0995	-711.779	1
3038_3039	3038	3039	-59.265	-7.7865	-0.0045	0.231	5.7405	-589.536	1
3039_3039	3039	3039	-90.9855	-13.6515	0.039	-0.018	5.0115	-879.326	1
3039_3040	3039	3040	-58.851	-7.512	-0.0075	0.0075	5.6655	-517.049	1
3040_3040	3040	3040	-111.923	-12.4545	-0.054	0.1185	5.8545	-958.409	1
3040_3041	3040	3041	-55.554	-6.4605	-0.039	0.093	5.3355	-477.204	1
3041_3041	3041	3041	-140.684	-20.2905	-0.0255	-0.012	2.6565	-956.273	1
3041_3042	3041	3042	-52.6395	-6.324	-0.0195	0.0015	2.208	-376.925	1
3042_3042	3042	3042	-149.294	-17.49	-0.0105	0.0345	2.4495	-1010.65	1
3042_3043	3042	3043	-45.8085	-5.7465	-0.0075	0.0105	2.127	-335.567	1
3043_3043	3043	3043	-161.174	-27.1155	-0.009	-0.03	2.424	-1080.07	1
3043_3044	3043	3044	-38.9925	-5.6625	-0.0075	-0.0135	2.0235	-291.024	1
3044_3044	3044	3044	-163.377	-3.6255	0	0.087	2.439	-1077.32	1
3044_3045	3044	3045	-32.4615	-5.4945	-0.009	0	1.923	-251.363	1
3045_3045	3045	3045	-173.232	-14.352	0	-0.069	2.4315	-1132.97	1
3045_3046	3045	3046	-34.2195	5.778	0.015	0.024	1.854	-222.954	1
3046_3046	3046	3046	-170.136	-8.022	0.0015	-0.0015	2.421	-1111.99	1
3046_3047	3046	3047	-41.118	5.8305	0.0135	0.0255	2.0265	-266.174	1
3047_3047	3047	3047	-174.539	-18.7305	0.003	0.0015	2.409	-1138.16	1
3047_3048	3047	3048	-48.066	5.8665	0.0135	0.0225	2.196	-309.746	1
3048_3048	3048	3048	-166.757	-12.708	0.006	-0.0195	2.424	-1091.52	1
3048_3049	3048	3049	-55.125	5.937	0.015	0.003	2.37	-352.856	1
3049_3049	3049	3049	-165.459	-23.4825	0.0075	-0.006	2.442	-1084.58	1
3049_3050	3049	3050	-62.187	5.961	0.015	0.0045	2.541	-396.65	1
3050_3050	3050	3050	-153.981	-18.4155	0.018	-0.0105	2.472	-1014.3	1
3050_3051	3050	3051	-72.231	6.321	0.0135	-0.0045	2.76	-458.916	1
3051_3051	3051	3051	-137.786	-32.4525	0.024	-0.0915	3.0765	-995.066	1
3051_3052	3051	3052	-71.9295	6.192	0.0165	-0.072	3.3585	-510.783	1
3052_3052	3052	3052	-123.249	-27.8655	-0.024	-0.0195	3.186	-921.408	1
3052_3053	3052	3053	-72.549	6.7305	0.0075	-0.018	3.4425	-571.628	1
3053_3053	3053	3053	-90.0435	-37.791	-0.0315	-0.2625	3.7155	-901.896	1
3053_3054	3053	3054	-60.939	6.924	0.009	-0.27	4.833	-687.356	1
3054_3054	3054	3054	-56.2515	-42.7845	0.0165	-0.0585	3.069	-727.98	1
3054_3055	3054	3055	-59.046	28.269	-0.003	0.249	-4.422	-544.044	1
3055_3055	3055	3055	-27.4905	-52.1505	0	-0.2805	2.8335	-524.606	1
3055_3056	3055	3056	-70.2105	40.017	-0.0165	0.282	-4.7655	-849.494	1
3056_3056	3056	3056	-97.821	-11.3805	-0.075	-0.081	5.406	-396.272	1
3056_3057	3056	3057	-27.897	-25.113	-0.0915	-0.009	2.3565	-346.926	1
3057_3057	3057	3057	-106.464	-7.452	-0.033	-0.1455	3.402	-529.682	1
3057_3058	3057	3058	-11.952	-21.426	-0.0885	-0.099	1.8735	-242.33	1
3058_3058	3058	3058	-113.384	-13.146	-0.018	-0.1185	2.8095	-613.253	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3058_3059	3058	3059	-7.9815	-1.6575	-0.066	-0.0885	2.862	-136.35	1
3059_3059	3059	3059	-117.236	-13.122	-0.0585	-0.021	2.424	-675.336	1
3059_3060	3059	3060	-6.945	-1.4895	-0.0465	-0.078	2.3955	-123.548	1
3060_3060	3060	3060	-122.259	-19.3725	-0.0465	-0.1425	1.7445	-744.392	1
3060_3061	3060	3061	-5.946	-1.4385	-0.045	-0.1005	1.959	-111.654	1
3061_3061	3061	3061	-123.918	-26.286	-0.039	-0.1125	1.2045	-784.304	1
3061_3062	3061	3062	-6.48	1.383	0.0465	0.102	0.294	-80.289	1
3062_3062	3062	3062	-122.642	-23.0505	-0.0345	-0.0435	0.777	-795.018	1
3062_3063	3062	3063	-7.2015	1.395	0.048	0.1065	0.5775	-85.7775	1
3063_3063	3063	3063	-124.68	-28.2555	-0.0255	-0.018	0.519	-822.132	1
3063_3064	3063	3064	-7.9305	1.4175	0.048	0.108	0.867	-92.9925	1
3064_3064	3064	3064	-125.027	-33.8445	-0.0165	0.009	0.3675	-832.625	1
3064_3065	3064	3065	-8.6775	1.4445	0.0495	0.111	1.1715	-100.707	1
3065_3065	3065	3065	-124.175	-23.3295	0.0315	-0.123	0.492	-821.391	1
3065_3066	3065	3066	-9.4335	1.4895	0.051	0.0855	1.5015	-110.381	1
3066_3066	3066	3066	-121.877	-17.7885	0.03	0.1305	0.7665	-793.425	1
3066_3067	3066	3067	-10.4835	1.521	0.051	0.117	1.905	-118.364	1
3067_3067	3067	3067	-122.844	-25.2585	0.039	0.1605	1.1745	-781.847	1
3067_3068	3067	3068	-11.5635	1.572	0.0525	0.1215	2.382	-131.018	1
3068_3068	3068	3068	-120.906	-32.163	0.054	-0.138	1.698	-741.381	1
3068_3069	3068	3069	-12.6465	1.572	0.051	0.063	2.79	-139.248	1
3069_3069	3069	3069	-115.688	-31.9995	0.006	0.1755	2.385	-672.471	1
3069_3070	3069	3070	-13.788	1.764	0.0735	0.1185	3.45	-153.42	1
3070_3070	3070	3070	-111.746	-38.2665	0.0255	0.075	2.7795	-611.309	1
3070_3071	3070	3071	-28.551	27.7125	0.0795	0.063	1.6785	-345.968	1
3071_3071	3071	3071	-104.612	-35.0625	0.069	0.009	4.4055	-503.303	1
3071_3072	3071	3072	-53.004	35.04	0.081	-0.018	1.9365	-526.164	1
3072_3072	3072	3072	-22.059	-0.873	-0.0225	0.195	2.913	-282.087	1
3072_3073	3072	3073	-53.946	-7.0665	-0.018	0.429	5.0355	-782.807	1
3073_3073	3073	3073	-30.675	-0.3495	-0.0015	0.057	2.988	-531.194	1
3073_3074	3073	3074	-61.2555	-6.834	-0.018	0.102	4.821	-699.57	1
3074_3074	3074	3074	-58.062	-4.2405	0.0165	0.2745	3.177	-741.29	1
3074_3075	3074	3075	-66.6525	-6.3915	-0.0135	0.327	4.626	-621.779	1
3075_3075	3075	3075	-102.266	-13.86	0.012	-0.0495	2.6925	-868.26	1
3075_3076	3075	3076	-73.479	-6.2835	-0.0105	-0.0165	3.27	-527.796	1
3076_3076	3076	3076	-125.282	-12.291	-0.012	0.1815	3.0105	-948.899	1
3076_3077	3076	3077	-70.71	-5.5215	-0.009	0.129	3.195	-491.045	1
3077_3077	3077	3077	-129.858	-19.5645	-0.0195	-0.105	4.311	-1047.09	1
3077_3078	3077	3078	-58.2525	-5.61	-0.0135	-0.0375	4.3815	-440.429	1
3078_3078	3078	3078	-140.901	0.777	-0.0195	0.0435	4.383	-1114.2	1
3078_3079	3078	3079	-52.872	-5.5305	-0.027	0	4.077	-401.415	1
3079_3079	3079	3079	-154.584	-9.294	-0.0165	0.06	4.1625	-1205.64	1
3079_3080	3079	3080	-47.5395	-5.415	-0.027	0	3.738	-356.868	1
3080_3080	3080	3080	-158.141	-3.1185	-0.0045	0.114	3.975	-1224.85	1
3080_3081	3080	3081	-42.3795	-5.211	-0.021	-0.012	3.4575	-314.399	1
3081_3081	3081	3081	-167.459	-13.092	-0.0045	-0.06	3.8985	-1287.58	1
3081_3082	3081	3082	-37.3095	-5.172	-0.021	-0.0585	3.195	-275.777	1
3082_3082	3082	3082	-166.503	-6.3375	0.003	0.0885	3.828	-1278.03	1
3082_3083	3082	3083	-32.517	5.0145	0.0285	0.075	2.802	-242.283	1
3083_3083	3083	3083	-171.732	-17.031	0.0045	-0.0915	3.84	-1315.71	1
3083_3084	3083	3084	-37.788	5.061	0.027	0.039	3.159	-282.678	1
3084_3084	3084	3084	-165.789	-29.2545	-0.0015	0.0315	3.8895	-1272.77	1
3084_3085	3084	3085	-42.7485	5.109	0.0255	0.057	3.4665	-320.291	1
3085_3085	3085	3085	-166.554	-38.8365	-0.0015	-0.1485	3.891	-1278.2	1
3085_3086	3085	3086	-47.742	5.151	0.0255	0.003	3.7695	-358.814	1
3086_3086	3086	3086	-157.052	-32.9805	0.0135	-0.012	3.9015	-1211.38	1
3086_3087	3086	3087	-52.8285	5.223	0.0255	0.0225	4.062	-396.26	1
3087_3087	3087	3087	-153.369	-42.657	0.0135	-0.1635	4.059	-1188.51	1
3087_3088	3087	3088	-57.918	5.253	0.0255	-0.039	4.3485	-434.759	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3088_3088	3088	3088	-140.415	-19.9365	0.0375	-0.0015	4.0125	-1107.35	1
3088_3089	3088	3089	-64.6485	5.568	0.0315	-0.0015	4.773	-485.819	1
3089_3089	3089	3089	-128.511	-32.244	0.0345	-0.204	3.915	-1089.8	1
3089_3090	3089	3090	-65.931	5.433	0.027	-0.147	4.5195	-541.892	1
3090_3090	3090	3090	-114.209	-27.63	-0.027	0	4.08	-1005.35	1
3090_3091	3090	3091	-65.655	5.9205	0.009	0.0015	4.6245	-598.218	1
3091_3091	3091	3091	-89.682	-37.7505	-0.0345	-0.2655	4.443	-928.209	1
3091_3092	3091	3092	-59.0055	5.9535	0.0105	-0.276	5.976	-677.207	1
3092_3092	3092	3092	-54.993	-42.6195	0.0285	-0.0855	3.726	-738.927	1
3092_3093	3092	3093	-51.9705	6.7545	0.033	-0.1065	6.324	-765.134	1
3093_3093	3093	3093	-26.154	-52.269	0.0075	-0.2385	3.57	-524.367	1
3093_3094	3093	3094	-61.665	44.427	-0.036	0.324	-5.9295	-782.552	1
3094_3094	3094	3094	-96.5895	-11.3295	-0.0855	-0.045	6.201	-400.343	1
3094_3095	3094	3095	-26.364	-24.522	-0.117	0.024	2.7345	-346.551	1
3095_3095	3095	3095	-101.657	-16.29	-0.057	-0.1965	5.517	-515.508	1
3095_3096	3095	3096	-10.7115	-1.3125	-0.0975	-0.081	4.6665	-130.257	1
3096_3096	3096	3096	-107.514	-13.254	-0.0165	-0.156	4.2075	-628.757	1
3096_3097	3096	3097	-9.894	-1.3125	-0.0975	-0.0825	3.9135	-123.348	1
3097_3097	3097	3097	-110.703	-13.0275	-0.0915	-0.018	3.735	-692.045	1
3097_3098	3097	3098	-9.1335	-1.155	-0.0765	-0.06	3.15	-111.876	1
3098_3098	3098	3098	-115.131	-19.386	-0.0735	-0.1575	2.7075	-763.764	1
3098_3099	3098	3099	-8.4015	-1.1085	-0.075	-0.0825	2.4465	-101.312	1
3099_3099	3099	3099	-116.378	-26.439	-0.0615	-0.132	1.8915	-804.788	1
3099_3100	3099	3100	-7.689	-1.1085	-0.075	-0.0825	1.851	-95.2875	1
3100_3100	3100	3100	-114.833	-22.791	-0.0435	-0.558	1.245	-814.706	1
3100_3101	3100	3101	-7.1475	-1.1265	-0.075	-0.1455	1.3995	-90.696	1
3101_3101	3101	3101	-116.699	-28.0635	-0.0315	-0.612	0.9255	-843.776	1
3101_3102	3101	3102	-6.6345	-1.0545	-0.069	-0.135	0.942	-80.598	1
3102_3102	3102	3102	-116.967	-33.738	-0.042	0.729	0.7605	-855.326	1
3102_3103	3102	3103	-6.1245	-1.0545	-0.0645	-0.0015	0.552	-76.308	1
3103_3103	3103	3103	-115.869	-23.4885	0.0345	0.453	1.014	-845.163	1
3103_3104	3103	3104	-6.2085	1.353	0.0735	0.1605	2.28	-109.17	1
3104_3104	3104	3104	-113.712	-17.484	0.0495	0.1665	1.386	-816.437	1
3104_3105	3104	3105	-7.065	1.3335	0.0705	0.114	2.8455	-116.415	1
3105_3105	3105	3105	-114.873	-25.131	0.066	0.009	2.085	-806.891	1
3105_3106	3105	3106	-7.9425	1.4115	0.075	0.0915	3.576	-130.901	1
3106_3106	3106	3106	-113.243	-32.193	0.0795	0.0375	2.988	-766.11	1
3106_3107	3106	3107	-8.85	1.4115	0.075	0.0915	4.1715	-138.572	1
3107_3107	3107	3107	-108.44	-31.845	-0.0045	0.09	4.0665	-694.578	1
3107_3108	3107	3108	-9.816	1.581	0.1005	0.09	5.094	-151.898	1
3108_3108	3108	3108	-104.912	-38.307	0.018	0.117	4.608	-631.574	1
3108_3109	3108	3109	-23.712	28.0815	0.132	0.072	2.607	-343.71	1
3109_3109	3109	3109	-101.153	-44.0265	0.0435	0.0285	4.9125	-532.238	1
3109_3110	3109	3110	-49.0155	34.0965	0.108	-0.0015	2.541	-515.475	1
3110_3110	3110	3110	-19.7085	-1.8045	-0.024	0.1995	3.042	-313.709	1
3110_3111	3110	3111	-51.924	-7.6485	-0.036	0.5055	6.84	-796.511	1
3111_3111	3111	3111	-29.8905	-0.849	-0.0135	0.0105	4.1085	-541.907	1
3111_3112	3111	3112	-58.8345	-7.278	-0.0375	0.0405	6.4125	-705.468	1
3112_3112	3112	3112	-56.2035	-4.632	0.0165	0.24	4.269	-750.048	1
3112_3113	3112	3113	-63.8295	-6.741	-0.018	0.3015	6.144	-624.297	1
3113_3113	3113	3113	-90.6075	-14.7345	0.015	-0.0675	3.915	-918.077	1
3113_3114	3113	3114	-64.812	-6.6825	-0.015	-0.027	4.695	-553.425	1
3114_3114	3114	3114	-109.73	-13.3065	-0.0495	0.066	4.3875	-993.633	1
3114_3115	3114	3115	-61.893	-6.207	-0.036	0.0825	4.3935	-514.85	1
3115_3115	3115	3115	-135.72	-20.439	-0.0405	0.0195	3.435	-961.596	1
3115_3116	3115	3116	-59.8305	-6.261	-0.03	0.0165	3.2205	-408.338	1
3116_3116	3116	3116	-142.532	-17.9235	-0.018	0.0975	3.006	-1006.94	1
3116_3117	3116	3117	-53.577	-5.9265	-0.021	0.0345	2.979	-366.129	1
3117_3117	3117	3117	-152.954	-27.3465	-0.0195	-0.1125	2.8845	-1071.55	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3117_3118	3117	3118	-47.37	-5.8905	-0.0225	-0.048	2.727	-324.798	1
3118_3118	3118	3118	-154.521	-21.5385	-0.0165	0.093	2.7015	-1077.13	1
3118_3119	3118	3119	-41.2515	-5.802	-0.0225	0.0015	2.46	-283.428	1
3119_3119	3119	3119	-162.959	-14.2155	-0.0165	-0.114	2.478	-1118.96	1
3119_3120	3119	3120	-35.199	-5.7195	-0.0225	-0.063	2.178	-241.362	1
3120_3120	3120	3120	-160.202	-24.5595	-0.0135	0.0165	2.3115	-1104.44	1
3120_3121	3120	3121	-28.8315	-5.5875	-0.024	-0.039	1.86	-196.683	1
3121_3121	3121	3121	-165.341	-35.082	-0.0135	-0.084	2.139	-1134.2	1
3121_3122	3121	3122	-23.067	3.324	0.0075	0.0165	1.35	-164.963	1
3122_3122	3122	3122	-157.446	-29.1855	-0.012	0.003	1.9755	-1082.63	1
3122_3123	3122	3123	-26.61	3.4365	0.009	0.024	1.467	-191.655	1
3123_3123	3123	3123	-156.866	-39.1035	-0.012	-0.1005	1.8375	-1080.09	1
3123_3124	3123	3124	-30.24	3.495	0.0075	0.0015	1.569	-218.001	1
3124_3124	3124	3124	-144.893	-32.997	0.0015	0.0315	1.7145	-1006.54	1
3124_3125	3124	3125	-34.0545	3.636	0.009	0.0255	1.677	-243.869	1
3125_3125	3125	3125	-139.674	-42.9795	0.0015	-0.1575	1.7445	-977.874	1
3125_3126	3125	3126	-37.914	3.735	0.0075	-0.0315	1.77	-273.555	1
3126_3126	3126	3126	-124.43	-20.9325	0.0045	0.009	1.722	-895.035	1
3126_3127	3126	3127	-43.11	4.077	0.006	0.0045	1.8345	-310.133	1
3127_3127	3127	3127	-118.317	-33.1815	0.0045	-0.0855	1.554	-845.241	1
3127_3128	3127	3128	-46.659	4.005	0.0045	-0.048	1.677	-337.359	1
3128_3128	3128	3128	-102.957	-27.8625	0.003	0.0225	1.584	-768.005	1
3128_3129	3128	3129	-47.8995	14.748	0.018	0.0795	-0.897	-255.674	1
3129_3129	3129	3129	-71.8905	-38.103	0.003	-0.234	1.9275	-747.525	1
3129_3130	3129	3130	-57.165	23.5755	0.0075	0.12	-1.6185	-444.465	1
3130_3130	3130	3130	-40.6095	-43.569	-0.084	-0.072	1.9965	-575.747	1
3130_3131	3130	3131	-68.1345	32.4735	0.0555	0.1485	-1.3305	-660.935	1
3131_3131	3131	3131	-26.673	5.1435	0.03	0.024	1.1595	-238.784	1
3131_3132	3131	3132	-77.9445	43.9965	0.057	0.135	-0.726	-944.54	1
3132_3132	3132	3132	-87.1635	-8.001	0.1125	-0.1965	0.4575	-276.374	1
3132_3133	3132	3133	-29.049	-26.5245	-0.132	-0.21	1.2825	-317.438	1
3133_3133	3133	3133	-99.2625	-13.386	0.1095	-0.1665	1.164	-396.195	1
3133_3134	3133	3134	-14.724	-21.9225	-0.1065	-0.087	0.453	-197.177	1
3134_3134	3134	3134	-107.982	-10.8765	0.0855	0.4545	1.7055	-510.513	1
3134_3135	3134	3135	-8.307	0.2415	-0.0225	0.0435	1.338	-61.464	1
3135_3135	3135	3135	-113.453	-11.667	-0.066	-0.012	2.277	-579.05	1
3135_3136	3135	3136	-8.4975	0.2565	-0.024	-0.021	1.143	-62.7705	1
3136_3136	3136	3136	-119.775	-18.3345	-0.0615	0	1.674	-651.626	1
3136_3137	3136	3137	-8.6895	0.2625	-0.0225	-0.0195	0.9225	-61.437	1
3137_3137	3137	3137	-121.805	-25.68	-0.054	-0.084	1.1265	-691.931	1
3137_3138	3137	3138	-8.883	0.2625	-0.0225	-0.0285	0.7395	-62.7585	1
3138_3138	3138	3138	-120.179	-21.417	-0.024	0.0045	0.6495	-701.447	1
3138_3139	3138	3139	-9.0555	0.309	-0.0195	-0.0225	0.6195	-63.93	1
3139_3139	3139	3139	-122.789	-26.904	-0.018	0.015	0.504	-731.525	1
3139_3140	3139	3140	-9.2265	0.309	-0.0195	-0.0225	0.501	-65.1	1
3140_3140	3140	3140	-123.327	-32.8245	-0.009	-0.1155	0.426	-744.354	1
3140_3141	3140	3141	-9.399	0.309	-0.0195	-0.0345	0.381	-66.2715	1
3141_3141	3141	3141	-121.028	-24.186	0.018	0.072	0.63	-737.994	1
3141_3142	3141	3142	-9.57	0.309	-0.0195	-0.0225	0.261	-67.4415	1
3142_3142	3142	3142	-117.83	-17.757	0.0165	0.0495	0.81	-709.983	1
3142_3143	3142	3143	-9.8265	0.3525	-0.021	-0.027	0.0825	-71.8335	1
3143_3143	3143	3143	-118.434	-25.6815	0.0225	-0.0375	1.062	-701.501	1
3143_3144	3143	3144	-10.086	0.3525	-0.021	-0.0375	-0.081	-73.6095	1
3144_3144	3144	3144	-115.365	-33.018	0.0255	0.069	1.3875	-661.979	1
3144_3145	3144	3145	-10.347	0.3525	-0.021	-0.027	-0.243	-75.384	1
3145_3145	3145	3145	-108.215	-32.8455	-0.03	-0.012	1.752	-591.663	1
3145_3146	3145	3146	-13.3425	23.073	0.0645	0.009	0.801	-210.485	1
3146_3146	3146	3146	-102.425	-39.525	-0.024	0.066	1.725	-528.639	1
3146_3147	3146	3147	-31.275	26.736	0.0675	0.0375	1.1145	-319.728	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3147_3147	3147	3147	-91.7655	-45.696	-0.0105	0.0255	1.8615	-450.623	1
3147_3148	3147	3148	-56.3445	37.9845	0.0675	0.0045	1.2405	-509.252	1
3148_3148	3148	3148	-32.586	-3.4155	-0.0015	-0.0525	0.0915	-234.182	1
3148_3149	3148	3149	-78.039	-26.784	0.0045	-0.1725	-2.352	-559.479	1
3149_3149	3149	3149	-33.0435	-4.041	-0.0015	-0.0525	0.069	-195.422	1
3149_3150	3149	3150	-68.0625	-18.318	-0.0045	-0.075	-2.1045	-368.766	1
3150_3150	3150	3150	-42.582	-5.058	0.0135	0.066	1.77	-640.302	1
3150_3151	3150	3151	-57.519	-11.664	-0.009	-0.1155	-1.557	-222.471	1
3151_3151	3151	3151	-81.96	-14.6775	0.0165	0.0225	1.692	-738.29	1
3151_3152	3151	3152	-49.887	-7.1355	-0.0075	0.0225	2.0835	-403.076	1
3152_3152	3152	3152	-99.4275	-13.2945	-0.021	0.003	1.959	-792.441	1
3152_3153	3152	3153	-45.9825	-6.459	-0.015	0.0135	1.9605	-367.826	1
3153_3153	3153	3153	-118.778	-19.9875	-0.015	0.006	1.5045	-812.741	1
3153_3154	3153	3154	-40.3245	-6.2865	-0.012	0.0015	1.443	-296.093	1
3154_3154	3154	3154	-122.982	-17.9985	-0.0105	0.018	1.38	-843.614	1
3154_3155	3154	3155	-33.459	-6.0045	-0.0105	0	1.329	-255.111	1
3155_3155	3155	3155	-131.822	-27.462	-0.012	-0.027	1.3005	-895.77	1
3155_3156	3155	3156	-26.715	-5.838	-0.0105	-0.015	1.188	-211.4	1
3156_3156	3156	3156	-131.273	-22.7715	-0.0045	-0.006	1.206	-892.056	1
3156_3157	3156	3157	-20.778	-5.628	-0.0105	-0.015	1.053	-172.062	1
3157_3157	3157	3157	-136.407	-31.656	-0.003	-0.003	1.182	-920.051	1
3157_3158	3157	3158	-15.1605	-5.1165	-0.0105	-0.0135	0.861	-127.653	1
3158_3158	3158	3158	-132.539	-25.95	-0.0015	-0.0075	1.1775	-896.837	1
3158_3159	3158	3159	-18.6195	4.4385	0.0105	0.012	0.978	-141.246	1
3159_3159	3159	3159	-135.938	-18.939	0.0045	0.0045	1.209	-916.887	1
3159_3160	3159	3160	-23.4375	4.8495	0.0105	0.012	1.1505	-181.157	1
3160_3160	3160	3160	-130.58	-12.864	0.0105	0.0225	1.2495	-887.508	1
3160_3161	3160	3161	-29.0955	5.124	0.0105	0.012	1.2975	-220.929	1
3161_3161	3161	3161	-130.814	-23.1465	0.0105	-0.0255	1.3605	-889.406	1
3161_3162	3161	3162	-34.9875	5.2365	0.009	-0.0015	1.416	-258.582	1
3162_3162	3162	3162	-121.671	-18.5385	0.012	-0.018	1.4535	-835.634	1
3162_3163	3162	3163	-43.0455	5.7	0.012	-0.0075	1.5795	-308.838	1
3163_3163	3163	3163	-111.239	-30.9015	0.0195	0.0315	1.698	-826.749	1
3163_3164	3163	3164	-49.5345	11.982	0.0015	0.039	-1.026	-140.547	1
3164_3164	3164	3164	-98.7495	-26.6475	-0.018	-0.0315	1.839	-766.802	1
3164_3165	3164	3165	-61.2435	13.7535	0.0075	0.021	-1.1115	-233.424	1
3165_3165	3165	3165	-72.885	-36.4875	-0.018	-0.0555	1.755	-740.873	1
3165_3166	3165	3166	-72.4395	20.5785	0	0.102	-1.608	-386.573	1
3166_3166	3166	3166	-40.9185	-41.7645	0.0075	-0.0375	1.4715	-588.66	1
3166_3167	3166	3167	-82.824	29.0805	-0.006	0.0615	-1.9125	-581.325	1
3167_3167	3167	3167	-37.278	3.936	-0.0015	0.0435	0.111	-224.612	1
3167_3168	3167	3168	-93.21	36.417	-0.0135	0.144	-2.145	-867.365	1
3168_3168	3168	3168	-84.7155	-9.123	-0.0195	-0.0195	2.127	-302.012	1
3168_3169	3168	3169	-33.0525	-27.864	-0.054	0.0075	0.933	-327.477	1
3169_3169	3169	3169	-97.926	-5.313	0.0015	-0.048	1.224	-424.826	1
3169_3170	3169	3170	-15.789	-23.997	-0.0435	-0.03	0.5325	-205.002	1
3170_3170	3170	3170	-108.012	-11.1075	0.009	-0.0375	1.1145	-507.903	1
3170_3171	3170	3171	-11.385	-0.462	0.033	0.021	-0.1245	-82.626	1
3171_3171	3171	3171	-114.687	-11.247	-0.0195	-0.03	1.1025	-571.302	1
3171_3172	3171	3172	-11.034	-0.4455	0.018	0.0285	0.0225	-80.4615	1
3172_3172	3172	3172	-122.634	-17.6505	-0.0165	-0.024	0.87	-640.899	1
3172_3173	3172	3173	-10.692	-0.4335	0.018	0.0285	0.183	-75.645	1
3173_3173	3173	3173	-126.488	-24.774	-0.012	-0.0165	0.6825	-682.538	1
3173_3174	3173	3174	-10.3515	-0.4335	0.018	0.0285	0.3225	-73.5315	1
3174_3174	3174	3174	-126.606	-21.5685	-0.0165	-0.0795	0.5445	-695.793	1
3174_3175	3174	3175	-10.1115	-0.408	0.0165	0.018	0.423	-72.039	1
3175_3175	3175	3175	-130.023	-26.943	-0.015	0.045	0.4275	-723.515	1
3175_3176	3175	3176	-9.8715	-0.408	0.0165	0.03	0.5235	-70.548	1
3176_3176	3176	3176	-132.407	-17.8425	0.0105	-0.0525	0.354	-734.165	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3176_3177	3176	3177	-9.6315	-0.408	0.0165	0.018	0.6225	-69.057	1
3177_3177	3177	3177	-131.805	-23.6385	0.012	0.0855	0.432	-722.924	1
3177_3178	3177	3178	-9.3915	-0.408	0.0165	0.03	0.7245	-67.5645	1
3178_3178	3178	3178	-129.039	-18.138	0.009	0.036	0.549	-695.423	1
3178_3179	3178	3179	-9.0945	-0.3795	0.018	0.0225	0.867	-65.7165	1
3179_3179	3179	3179	-129.746	-25.8255	0.012	0.045	0.6825	-682.329	1
3179_3180	3179	3180	-8.796	-0.3795	0.018	0.0225	1.0095	-63.8685	1
3180_3180	3180	3180	-126.719	-32.931	0.018	-0.0285	0.8565	-641.039	1
3180_3181	3180	3181	-8.499	-0.3795	0.018	0.015	1.1505	-62.0205	1
3181_3181	3181	3181	-119.555	-33.1665	-0.018	0.054	1.0905	-571.739	1
3181_3182	3181	3182	-18.0105	20.9895	0.0435	0.036	0.6375	-212.282	1
3182_3182	3182	3182	-113.561	-39.546	-0.0075	-0.0045	1.086	-508.349	1
3182_3183	3182	3183	-36.984	27.8925	0.042	0.0015	0.714	-313.893	1
3183_3183	3183	3183	-104.075	-45.384	-0.0015	0.0225	1.3515	-426.06	1
3183_3184	3183	3184	-64.6905	36.204	0.048	0.024	0.966	-502.935	1
3184_3184	3184	3184	-25.491	-5.034	-0.0045	-0.0465	0.2505	-231.516	1
3184_3185	3184	3185	-77.544	-31.425	0.0015	-0.138	-1.6185	-599.538	1
3185_3185	3185	3185	-25.263	-5.355	-0.0045	-0.0525	0.1995	-181.358	1
3185_3186	3185	3186	-64.2375	-21.9855	-0.006	-0.0645	-1.461	-379.653	1
3186_3186	3186	3186	-49.7655	-3.351	0.018	0.06	1.3185	-573.918	1
3186_3187	3186	3187	-49.5465	-14.3925	-0.0165	-0.099	-1.2285	-211.167	1
3187_3187	3187	3187	-89.553	-12.6435	0.021	0.0225	1.4745	-708.312	1
3187_3188	3187	3188	-50.925	-5.5995	-0.003	0.0195	1.74	-343.691	1
3188_3188	3188	3188	-111.776	-12.096	-0.012	0.009	1.7895	-784.496	1
3188_3189	3188	3189	-47.8395	-5.064	-0.009	0.018	1.665	-316.772	1
3189_3189	3189	3189	-128.822	-18.8025	-0.009	0.0105	1.569	-868.431	1
3189_3190	3189	3190	-41.541	-5.0565	-0.009	0.006	1.401	-275.97	1
3190_3190	3190	3190	-137.88	-17.6805	-0.006	0.0015	1.5375	-926.544	1
3190_3191	3190	3191	-36.2835	-4.644	-0.0075	-0.003	1.311	-239.879	1
3191_3191	3191	3191	-149.276	-26.8395	-0.0045	0.0075	1.5255	-994.539	1
3191_3192	3191	3192	-31.104	-4.515	-0.0075	-0.003	1.2075	-204.69	1
3192_3192	3192	3192	-151.638	-22.8825	-0.0015	-0.0015	1.5435	-1006.84	1
3192_3193	3192	3193	-26.586	-4.326	-0.0075	-0.0135	1.1055	-173.945	1
3193_3193	3193	3193	-158.912	-14.496	0.0045	0.0165	1.6095	-1045.1	1
3193_3194	3193	3194	-28.293	5.4075	0.0135	0.03	1.389	-179.117	1
3194_3194	3194	3194	-157.221	-9.177	0.0105	0.0075	1.668	-1035.29	1
3194_3195	3194	3195	-33.9735	5.6055	0.0135	0.021	1.5555	-217.278	1
3195_3195	3195	3195	-161.217	-18.2175	0.012	0.0135	1.7745	-1059.87	1
3195_3196	3195	3196	-39.8175	5.7225	0.0135	0.021	1.716	-255.893	1
3196_3196	3196	3196	-156.599	-13.032	0.0165	-0.03	1.896	-1033.26	1
3196_3197	3196	3197	-46.5285	6.0135	0.0165	-0.003	1.911	-300.086	1
3197_3197	3197	3197	-156.545	-22.86	0.0195	0.039	2.061	-1033.4	1
3197_3198	3197	3198	-53.3265	6.111	0.0165	0.0165	2.097	-344.094	1
3198_3198	3198	3198	-147.5	-19.2015	0.0135	-0.0015	2.247	-978.197	1
3198_3199	3198	3199	-62.7765	6.753	0.0165	-0.003	2.319	-403.772	1
3199_3199	3199	3199	-137.189	-31.167	0.018	-0.042	2.4975	-912.887	1
3199_3200	3199	3200	-65.169	6.6255	0.0165	-0.039	2.5845	-428.558	1
3200_3200	3200	3200	-123.57	-28.3605	-0.012	-0.021	2.5815	-851.633	1
3200_3201	3200	3201	-67.3875	7.4265	0.0105	-0.021	2.688	-493.971	1
3201_3201	3201	3201	-90.2385	-37.86	-0.0195	-0.177	3.516	-839.463	1
3201_3202	3201	3202	-58.296	22.899	-0.0075	0.1845	-3.8865	-348.351	1
3202_3202	3202	3202	-55.536	-43.2075	0.018	-0.0975	3.0135	-676.925	1
3202_3203	3202	3203	-70.848	30.0525	-0.012	0.138	-4.332	-564.767	1
3203_3203	3203	3203	-25.7655	-51.9555	0.006	-0.18	2.817	-483.549	1
3203_3204	3203	3204	-83.166	40.5435	-0.0255	0.3015	-4.749	-870.276	1
3204_3204	3204	3204	-98.196	-11.3535	-0.057	-0.1035	4.806	-372.308	1
3204_3205	3204	3205	-36.2775	-30.8985	-0.0675	-0.06	1.6455	-359.732	1
3205_3205	3205	3205	-108.992	-6.9165	-0.0315	-0.0015	2.9685	-500.321	1
3205_3206	3205	3206	-18.792	-23.7735	-0.0615	0.003	1.5495	-248.477	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3206_3206	3206	3206	-117.18	-12.228	-0.0165	-0.0735	2.4345	-578.828	1
3206_3207	3206	3207	-8.295	-1.2465	-0.045	-0.0375	2.2755	-95.691	1
3207_3207	3207	3207	-122.568	-12.6975	-0.042	-0.033	2.0775	-640.239	1
3207_3208	3207	3208	-7.4295	-1.1475	-0.0435	-0.048	1.905	-89.151	1
3208_3208	3208	3208	-128.973	-18.6615	-0.033	-0.015	1.5495	-706.721	1
3208_3209	3208	3209	-6.5655	-1.1295	-0.042	-0.0465	1.5255	-81.465	1
3209_3209	3209	3209	-131.958	-25.2615	-0.0225	-0.099	1.146	-747.9	1
3209_3210	3209	3210	-6.696	0.9675	0.0465	0.0465	0.2415	-67.704	1
3210_3210	3210	3210	-131.94	-23.1405	-0.033	-0.006	0.8805	-763.968	1
3210_3211	3210	3211	-7.275	1.0215	0.045	0.0525	0.5085	-71.5215	1
3211_3211	3211	3211	-134.537	-28.2165	-0.0255	0.0075	0.6585	-790.136	1
3211_3212	3211	3212	-7.86	1.035	0.045	0.054	0.7785	-76.8765	1
3212_3212	3212	3212	-135.837	-17.1765	0.0195	-0.078	0.5445	-802.766	1
3212_3213	3212	3213	-8.4525	1.053	0.0465	0.042	1.059	-82.71	1
3213_3213	3213	3213	-135.446	-22.6305	0.0255	0.081	0.6975	-793.416	1
3213_3214	3213	3214	-9.0525	1.08	0.0495	0.0585	1.3725	-90.186	1
3214_3214	3214	3214	-133.221	-18.447	0.0135	-0.039	0.93	-768.863	1
3214_3215	3214	3215	-9.9195	1.149	0.0495	0.042	1.773	-95.9085	1
3215_3215	3215	3215	-133.698	-25.602	0.021	0.0705	1.1925	-754.74	1
3215_3216	3215	3216	-10.7865	1.149	0.051	0.054	2.178	-101.631	1
3216_3216	3216	3216	-131.154	-32.211	0.0285	0.0765	1.563	-715.379	1
3216_3217	3216	3217	-11.6745	1.1805	0.0525	0.057	2.6655	-111.234	1
3217_3217	3217	3217	-125.129	-32.874	0.003	0.039	2.058	-650.463	1
3217_3218	3217	3218	-19.7535	22.992	0.075	0.0675	1.7145	-253.692	1
3218_3218	3218	3218	-119.979	-38.757	0.0105	0.1305	2.3895	-589.739	1
3218_3219	3218	3219	-38.7465	29.625	0.072	0.0915	1.7145	-356.841	1
3219_3219	3219	3219	-111.755	-44.1285	0.0375	-0.0825	2.9115	-499.203	1
3219_3220	3219	3220	-66.639	37.2795	0.06	-0.0645	1.7055	-536.768	1
3220_3220	3220	3220	-22.5765	-5.331	-0.0075	-0.081	-0.5265	-195.077	1
3220_3221	3220	3221	-71.148	-32.928	0.003	-0.1515	-3.591	-545.688	1
3221_3221	3221	3221	-33.8565	-0.0135	-0.009	-0.0135	2.433	-493.604	1
3221_3222	3221	3222	-66.147	-8.172	-0.0195	-0.0195	4.2	-636.438	1
3222_3222	3222	3222	-63.438	-3.861	0.021	0.357	2.469	-688.829	1
3222_3223	3222	3223	-69.7125	-7.5405	-0.024	0.369	3.858	-551.994	1
3223_3223	3223	3223	-109.584	-12.3795	0.0105	-0.162	1.9335	-802.083	1
3223_3224	3223	3224	-73.593	-7.3635	-0.0165	-0.096	2.3325	-450.234	1
3224_3224	3224	3224	-135.204	-12.2745	-0.0075	0.2655	2.205	-886.809	1
3224_3225	3224	3225	-69.363	-6.7905	-0.009	0.1575	2.2575	-414.891	1
3225_3225	3225	3225	-143.723	-20.1345	-0.0105	-0.1755	2.3385	-1021.15	1
3225_3226	3225	3226	-55.497	-6.87	-0.0105	-0.069	2.22	-366.996	1
3226_3226	3226	3226	-155.196	-19.4595	-0.0105	0.2445	2.34	-1102.06	1
3226_3227	3226	3227	-47.9115	-6.3885	-0.015	0.0765	2.0175	-313.829	1
3227_3227	3227	3227	-166.715	-10.0425	-0.006	-0.2355	2.3505	-1177.1	1
3227_3228	3227	3228	-40.503	-6.2775	-0.0165	-0.0795	1.8075	-263.117	1
3228_3228	3228	3228	-168.113	-6.6195	0.0045	0.3075	2.283	-1185.29	1
3228_3229	3228	3229	-34.4595	5.7345	0.0135	0.105	1.7175	-222.686	1
3229_3229	3229	3229	-173.588	-16.737	0.003	-0.2625	2.337	-1219.92	1
3229_3230	3229	3230	-41.286	5.97	0.0135	-0.0075	1.9155	-273.857	1
3230_3230	3230	3230	-167.037	-13.9125	0.0105	0.27	2.385	-1177.98	1
3230_3231	3230	3231	-48.684	6.3855	0.0135	0.1095	2.103	-328.965	1
3231_3231	3231	3231	-164.777	-24.009	0.0075	-0.267	2.493	-1162.73	1
3231_3232	3231	3232	-56.301	6.5085	0.012	-0.054	2.2575	-382.185	1
3232_3232	3232	3232	-151.703	-23.1	-0.0135	0.1335	2.553	-1076.8	1
3232_3233	3232	3233	-61.638	7.128	0.0075	0.0885	2.319	-419.438	1
3233_3233	3233	3233	-147.014	-29.199	-0.015	0.0765	2.3745	-1043.72	1
3233_3234	3233	3234	-66.81	7.2525	0.0075	0.057	2.367	-456.584	1
3234_3234	3234	3234	-137.4	-35.1195	-0.027	-0.2055	3.447	-986.069	1
3234_3235	3234	3235	-70.884	7.068	0.0105	-0.108	3.801	-499.383	1
3235_3235	3235	3235	-119.633	-35.739	0.108	0.081	3.102	-894.333	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3235_3236	3235	3236	-72.3855	7.6545	0.039	0.0705	4.0275	-532.395	1
3236_3236	3236	3236	-106.704	-40.0155	0.1065	-0.036	3.6255	-843.776	1
3236_3237	3236	3237	-72.5355	7.4955	0.0375	-0.03	4.224	-562.965	1
3237_3237	3237	3237	-77.061	-43.4835	0.159	-0.5355	6.3945	-872.165	1
3237_3238	3237	3238	-62.673	29.544	-0.021	0.231	-6.2415	-432.263	1
3238_3238	3238	3238	-53.3535	-33.6765	-0.1185	-0.027	7.479	-731.871	1
3238_3239	3238	3239	-71.037	25.5015	0.1245	0.3225	-5.6475	-609.858	1
3239_3239	3239	3239	-36.9	-41.5635	-0.1095	-0.3855	5.631	-652.677	1
3239_3240	3239	3240	-78.132	30.108	0.1275	0.213	-4.911	-832.055	1
3240_3240	3240	3240	-22.8735	1.068	0.1365	-0.531	1.896	-273.933	1
3240_3241	3240	3241	-78.915	24.4725	0.1305	0.6195	-4.2075	-966.3	1
3241_3241	3241	3241	-124.874	-14.457	0.021	-0.0585	6.807	-632.369	1
3241_3242	3241	3242	-19.539	-22.4865	0.0435	0.2175	2.4555	-386.613	1
3242_3242	3242	3242	-127.146	-21.606	0.048	-0.4365	5.8965	-676.278	1
3242_3243	3242	3243	-10.6995	-0.9375	0.09	0.021	5.6655	-116.942	1
3243_3243	3243	3243	-124.985	-10.377	-0.21	0.0465	5.877	-688.019	1
3243_3244	3243	3244	-9.813	-0.9915	-0.117	-0.063	4.5525	-110.546	1
3244_3244	3244	3244	-132.524	-16.662	-0.1815	-0.192	3.411	-781.641	1
3244_3245	3244	3245	-8.973	-0.9915	-0.117	-0.1065	3.363	-103.889	1
3245_3245	3245	3245	-136.551	-19.827	-0.045	0.1995	1.254	-847.142	1
3245_3246	3245	3246	-8.157	-0.9975	-0.0765	-0.072	2.604	-97.266	1
3246_3246	3246	3246	-140.382	-27.5475	-0.009	-0.3465	0.675	-903.716	1
3246_3247	3246	3247	-7.3635	-0.9525	-0.072	-0.1305	1.749	-82.719	1
3247_3247	3247	3247	-139.965	-29.7285	-0.0705	0.1905	0.612	-917.532	1
3247_3248	3247	3248	-6.6855	-0.8865	-0.0525	-0.0825	1.269	-77.2815	1
3248_3248	3248	3248	-140.946	-19.7775	-0.0315	-0.195	0.012	-920.801	1
3248_3249	3248	3249	-5.91	-0.8865	-0.054	-0.1275	0.708	-71.0235	1
3249_3249	3249	3249	-138.141	-23.8485	0.057	0.234	-0.171	-876.509	1
3249_3250	3249	3250	-6.363	1.248	0.0315	0.141	2.8665	-120.521	1
3250_3250	3250	3250	-134.667	-31.875	0.069	-0.129	0.549	-818.303	1
3250_3251	3250	3251	-7.3575	1.2945	0.03	0.0825	3.282	-136.083	1
3251_3251	3251	3251	-128.634	-19.779	0.2655	0.3765	1.2915	-734.741	1
3251_3252	3251	3252	-8.427	1.4745	0.1425	0.159	4.482	-144.285	1
3252_3252	3252	3252	-133.103	-26.7135	0.333	0.006	3.9195	-735.462	1
3252_3253	3252	3253	-18.849	22.0215	0.0915	0.03	2.8395	-356	1
3253_3253	3253	3253	-133.415	-33.498	0.369	-0.0945	7.0605	-693.989	1
3253_3254	3253	3254	-33.7545	23.313	0.0705	-0.0495	2.8785	-462.144	1
3254_3254	3254	3254	-129.452	-21.324	-0.3585	-0.5595	10.743	-634.184	1
3254_3255	3254	3255	-39.3825	20.427	-0.0255	-0.99	2.7585	-505.8	1
3255_3255	3255	3255	-26.277	-4.833	0.1035	-0.2115	-0.927	-212.513	1
3255_3256	3255	3256	-79.1235	-28.2675	0.4845	-0.5415	-2.8935	-725.097	1
3256_3256	3256	3256	-36.027	-10.686	-0.3825	-0.0465	2.493	-609.89	1
3256_3257	3256	3257	-72.438	-24.84	0.4575	-0.7095	1.113	-563.466	1
3257_3257	3257	3257	-46.935	-0.8085	0.1815	0.351	-0.8685	-680.432	1
3257_3258	3257	3258	-67.3605	-8.505	0.168	0.5025	2.8875	-713.577	1
3258_3258	3258	3258	-70.7175	-5.997	0.1845	0.1125	0.795	-834.294	1
3258_3259	3258	3259	-69.1005	-8.4465	0.168	0.1695	4.392	-648.219	1
3259_3259	3259	3259	-108.654	-10.6035	0.1125	-0.195	1.446	-854.378	1
3259_3260	3259	3260	-80.0895	-8.2335	0.105	-0.1365	3.084	-571.254	1
3260_3260	3260	3260	-116.199	-8.1315	0.042	0.255	1.779	-881.034	1
3260_3261	3260	3261	-78.6675	-7.473	-0.009	0.2175	3.0285	-526.62	1
3261_3261	3261	3261	-136.014	-13.161	0.048	0.0885	2.145	-962.405	1
3261_3262	3261	3262	-73.455	-7.8675	-0.0105	0.0735	2.9385	-478.217	1
3262_3262	3262	3262	-158.304	-19.9065	0.0375	-0.21	2.004	-978.332	1
3262_3263	3262	3263	-69.471	-8.019	-0.009	-0.099	2.1015	-410.79	1
3263_3263	3263	3263	-165.018	-16.7445	-0.0045	0.15	2.379	-1020.58	1
3263_3264	3263	3264	-61.155	-7.278	-0.0045	0.0735	2.055	-362.697	1
3264_3264	3264	3264	-178.557	-24.7155	-0.003	-0.0735	2.4525	-1101.88	1
3264_3265	3264	3265	-52.527	-7.1835	-0.0045	-0.012	1.9935	-311.754	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3265_3265	3265	3265	-184.004	-23.5785	-0.003	0.1845	2.5545	-1135.85	1
3265_3266	3265	3266	-44.4675	-6.8565	-0.0075	0.0495	1.9035	-265.295	1
3266_3266	3266	3266	-192.555	-32.3325	-0.003	-0.1815	2.628	-1186.04	1
3266_3267	3266	3267	-36.6885	-6.6	-0.0075	-0.042	1.7595	-215.444	1
3267_3267	3267	3267	-190.472	-30.5895	0.009	0.123	2.691	-1175.81	1
3267_3268	3267	3268	-36.9435	6.306	0.0165	0.069	2.067	-248.448	1
3268_3268	3268	3268	-190.652	-39.522	0.009	-0.141	2.88	-1178.28	1
3268_3269	3268	3269	-44.2965	6.39	0.015	0.0045	2.2515	-292.473	1
3269_3269	3269	3269	-180.327	-18.9975	0.003	0.168	3.057	-1123.26	1
3269_3270	3269	3270	-52.671	6.822	0.0195	0.084	2.49	-342.984	1
3270_3270	3270	3270	-171.981	-28.2945	-0.003	-0.183	2.97	-1075.31	1
3270_3271	3270	3271	-61.0185	6.843	0.0165	-0.036	2.694	-390.78	1
3271_3271	3271	3271	-154.695	-30.5145	0.027	0.195	2.778	-974.861	1
3271_3272	3271	3272	-66.2115	7.434	-0.0165	0.144	2.5665	-422.445	1
3272_3272	3272	3272	-135.911	-35.721	0.03	-0.0285	3.8115	-1004.34	1
3272_3273	3272	3273	-66.4845	7.365	-0.0255	0.021	3.21	-506.753	1
3273_3273	3273	3273	-116.216	-42.0675	0.021	-0.387	3.8055	-904.227	1
3273_3274	3273	3274	-67.548	7.2225	-0.027	-0.2205	2.9775	-550.923	1
3274_3274	3274	3274	-94.0665	-29.19	-0.1485	0.1455	3.678	-803.012	1
3274_3275	3274	3275	-68.082	9.927	-0.129	0.1545	2.6835	-569.01	1
3275_3275	3275	3275	-77.5905	-30.7935	-0.2325	0.0015	5.1015	-874.95	1
3275_3276	3275	3276	-66.207	23.5665	0.264	0.2625	-3.7845	-440.042	1
3276_3276	3276	3276	-62.769	-37.3635	-0.216	-0.414	2.6415	-826.08	1
3276_3277	3276	3277	-74.61	27.3645	0.2835	0.108	-1.542	-589.653	1
3277_3277	3277	3277	-46.0965	-30.912	0.159	-0.6405	0.4605	-738.704	1
3277_3278	3277	3278	-78.843	22.6845	-0.2505	0.7935	-4.161	-758.294	1
3278_3278	3278	3278	-31.0095	-38.3685	0.144	-0.966	1.6185	-670.505	1
3278_3279	3278	3279	-80.808	26.082	-0.24	0.7965	-6.4755	-926.739	1
3279_3279	3279	3279	-138.02	-24.018	-0.078	2.331	4.6575	-729.771	1
3279_3280	3279	3280	-24.2145	-20.934	0.0315	-0.1305	2.0775	-431.718	1
3280_3280	3280	3280	-135.717	-13.8675	-0.0315	0.303	4.0215	-725.192	1
3280_3281	3280	3281	-12.93	-20.943	-0.018	0.165	2.256	-354.21	1
3281_3281	3281	3281	-138.585	-18.126	0	-0.0585	3.078	-750.65	1
3281_3282	3281	3282	-9.249	-1.1925	-0.117	-0.0675	1.4325	31.4655	1
3282_3282	3282	3282	-139.071	-25.4775	0.0285	-0.3825	2.664	-782.967	1
3282_3283	3282	3283	-8.391	-1.1925	-0.111	-0.0525	0.498	37.9905	1
3283_3283	3283	3283	-118.386	-21.228	-0.4455	0.2685	7.875	-845.396	1
3283_3284	3283	3284	-9.9435	-1.2915	-0.1365	-0.1215	-0.0555	63.393	1
3284_3284	3284	3284	-115.626	-31.227	-0.2985	-0.507	1.875	-867.966	1
3284_3285	3284	3285	-8.9085	-1.26	-0.111	-0.0525	-1.4115	72.429	1
3285_3285	3285	3285	-108.141	-25.3605	0.0345	0.2865	-0.9855	-821.361	1
3285_3286	3285	3286	-7.7355	-1.4205	0.0105	-0.1215	-1.233	82.005	1
3286_3286	3286	3286	-112.025	-18.9585	0.06	-0.483	0.936	-846.737	1
3286_3287	3286	3287	-6.75	-1.335	0.036	-0.0225	-0.7455	87.156	1
3287_3287	3287	3287	-112.208	-13.515	0.0405	0.363	1.803	-812.696	1
3287_3288	3287	3288	-5.6595	-1.3455	-0.093	-0.0975	-1.7025	94.113	1
3288_3288	3288	3288	-119.859	-23.592	0.1275	-0.321	2.832	-837.903	1
3288_3289	3288	3289	-4.659	-1.284	-0.075	-0.0105	-2.3955	99.8325	1
3289_3289	3289	3289	-122.847	-10.8675	0.0045	0.4755	5.691	-762.246	1
3289_3290	3289	3290	-3.879	-1.347	0.012	-0.1155	-2.232	106.1205	1
3290_3290	3290	3290	-130.068	-17.367	0.0765	0.0675	6.5445	-786.761	1
3290_3291	3290	3291	-8.64	19.011	0.0885	0.0795	4.6725	-441.821	1
3291_3291	3291	3291	-133.367	-23.205	0.153	-0.306	8.2725	-785.856	1
3291_3292	3291	3292	-18.06	22.3995	0.075	-0.162	4.416	-543.926	1
3292_3292	3292	3292	-134.213	-15.5925	-0.414	0.8055	10.599	-751.539	1
3292_3293	3292	3293	-21.7455	22.2075	-0.0735	-1.2615	4.0245	-579.291	1
3293_3293	3293	3293	-23.4915	-6.033	-0.018	0.195	2.907	-608.504	1
3293_3294	3293	3294	-54.324	-12.5115	-0.051	0.864	4.9005	-1096.93	1
3294_3294	3294	3294	-35.691	-11.2305	-0.117	-0.618	2.9805	-758.777	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3294_3295	3294	3295	-57.252	-12.4785	-0.0525	-0.615	4.572	-986.939	1
3295_3295	3295	3295	-49.281	-4.554	-0.0165	0.7875	0.945	-892.371	1
3295_3296	3295	3296	-59.649	-9.0825	-0.0915	0.957	3.5595	-896.334	1
3296_3296	3296	3296	-71.385	-11.811	0.0075	-0.2745	0.3255	-1104.64	1
3296_3297	3296	3297	-59.25	-9.213	-0.093	-0.1635	2.8545	-832.682	1
3297_3297	3297	3297	-100.992	3.3855	0.024	-0.669	0.333	-1154.86	1
3297_3298	3297	3298	-67.53	-9.1995	-0.063	-0.519	1.656	-740.699	1
3298_3298	3298	3298	-107.873	10.4865	0.0885	0.516	0.519	-1207.66	1
3298_3299	3298	3299	-64.0095	-7.2315	0.0405	0.315	2.007	-697.274	1
3299_3299	3299	3299	-121.79	3.9105	0.0825	0.015	1.3935	-1346.84	1
3299_3300	3299	3300	-60.4785	-7.242	0.0405	0.0345	2.316	-659.495	1
3300_3300	3300	3300	-111.93	-2.0805	0.1125	-0.7695	3.201	-1550.3	1
3300_3301	3300	3301	-49.0005	-7.299	0.0615	-0.3315	3.978	-669.807	1
3301_3301	3301	3301	-117.384	4.908	-0.0885	1.0275	3.9825	-1622.76	1
3301_3302	3301	3302	-44.9145	-6.0735	-0.0555	0.426	3.327	-613.565	1
3302_3302	3302	3302	-129.435	-4.746	-0.0885	-0.873	2.8725	-1782.71	1
3302_3303	3302	3303	-40.821	-6.051	-0.057	-0.2565	2.634	-558.647	1
3303_3303	3303	3303	-134.621	-0.324	-0.0255	0.8385	1.7895	-1851.27	1
3303_3304	3303	3304	-36.99	-5.3925	-0.027	0.243	2.2785	-507.68	1
3304_3304	3304	3304	-142.283	-10.35	-0.0285	-0.8235	1.404	-1952.85	1
3304_3305	3304	3305	-33.594	-5.3205	-0.0285	-0.2055	1.959	-460.269	1
3305_3305	3305	3305	-142.731	-4.242	-0.0345	0.993	0.993	-1958.57	1
3305_3306	3305	3306	-29.967	-4.95	-0.0315	0.1905	1.539	-412.014	1
3306_3306	3306	3306	-147.422	-36.0105	-0.0405	-1.1595	0.5985	-2021.19	1
3306_3307	3306	3307	-26.952	-4.893	-0.033	-0.255	1.1805	-369.603	1
3307_3307	3307	3307	-145.266	-29.5245	-0.033	0.798	0.0825	-1992.29	1
3307_3308	3307	3308	-23.6655	-4.725	-0.0465	0.1005	0.6	-325.862	1
3308_3308	3308	3308	-146.823	-38.79	-0.036	-1.0155	-0.4155	-2012.75	1
3308_3309	3308	3309	-20.607	-4.7055	-0.0465	-0.2175	0.0495	-284.345	1
3309_3309	3309	3309	-141.431	-32.745	-0.042	0.7035	-0.888	-1940.58	1
3309_3310	3309	3310	-17.562	-4.629	-0.0435	0.0195	-0.4755	-241.883	1
3310_3310	3310	3310	-139.431	-41.7795	-0.048	-0.801	-1.446	-1913.07	1
3310_3311	3310	3311	-14.409	-4.56	-0.045	-0.186	-1.0275	-197.411	1
3311_3311	3311	3311	-129.378	-38.136	-0.015	0.591	-2.1585	-1777.46	1
3311_3312	3311	3312	-11.298	-4.554	-0.1275	-0.036	-2.559	-151.071	1
3312_3312	3312	3312	-120.15	-48.498	0.0225	-0.8115	-1.9305	-1651.47	1
3312_3313	3312	3313	-8.3175	-4.203	-0.1215	-0.1635	-3.9285	-104.063	1
3313_3313	3313	3313	-100.433	-48.9555	-0.1065	0.24	-0.8325	-1383.85	1
3313_3314	3313	3314	-5.5725	-3.627	0.0375	-0.0435	-3.132	-60.5745	1
3314_3314	3314	3314	-74.958	-68.7525	-0.114	-0.831	-1.932	-1041.15	1
3314_3315	3314	3315	-3.867	4.92	-0.225	0.12	-3.507	5.8365	1
3315_3315	3315	3315	-34.5855	-84.6825	0.3285	0.579	-2.688	-492.941	1
3315_3316	3315	3316	-6.621	24.558	-0.2985	-0.15	0	-28.986	1
3400_3020	3400	3020	-18.2865	-1.305	1.5345	0.042	-20.337	-103.946	1
3400_3401	3400	3401	-98.403	10.2225	0.954	-0.084	40.491	71.2365	1
3401_3401	3401	3401	-18.255	-1.377	0.9705	-0.1065	-13.734	-98.601	1
3401_3402	3401	3402	-98.3025	8.232	-2.7075	0.594	29.7825	42.5505	1
3402_3402	3402	3402	-18.2145	-1.815	1.005	-0.027	-10.398	-93.792	1
3402_3403	3402	3403	-98.4765	5.8695	-2.5335	-0.045	2.145	-21.558	1
3403_3403	3403	3403	-18.7695	-2.439	-0.039	-0.0345	0.4095	-74.937	1
3403_3404	3403	3404	-90.12	2.9625	-0.0915	0.1635	1.65	-42.903	1
3404_3404	3404	3404	-18.708	-2.8665	-0.0225	-0.084	0.1155	-57.3675	1
3404_3405	3404	3405	-90.165	0.9045	-0.0195	0.0915	1.497	-49.4325	1
3405_3405	3405	3405	-19.242	-3.585	0.0495	-0.063	-0.1995	-36.972	1
3405_3406	3405	3406	-84.5505	-1.71	-0.138	0.135	-0.174	-24.801	1
3406_3406	3406	3406	-19.8375	-4.3245	-1.002	-0.159	0.3585	14.7525	1
3406_3407	3406	3407	-80.3475	-4.3695	0.723	0.1755	6.6	13.887	1
3407_3407	3407	3407	-19.7475	-4.7265	-0.9615	0.1125	-8.475	53.049	1
3407_3408	3407	3408	-80.241	-5.997	0.879	0.0675	11.502	47.232	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3408_3408	3408	3408	-21.099	-0.36	0.975	-1.0815	-14.481	79.2615	1
3408_3409	3408	3409	-80.8095	6.7215	3.0585	-0.4065	-3.3045	91.9635	1
3409_3409	3409	3409	-21.165	-0.0885	0.3735	1.0095	-11.52	80.628	1
3409_3410	3409	3410	-81.0915	-8.0865	3.1665	0.3045	6.3045	116.3925	1
3410_3410	3410	3410	-21.5385	4.416	0.6795	-0.2145	-9.861	80.6865	1
3410_3411	3410	3411	-85.1265	8.55	-0.5175	-0.1725	3.168	54.306	1
3411_3411	3411	3411	-21.6255	3.9555	0.7365	0.0525	-6.153	56.1525	1
3411_3412	3411	3412	-85.2915	6.735	-0.3015	-0.1065	0.4365	-5.385	1
3412_3412	3412	3412	-22.6635	3.1995	-0.009	-0.0405	0.3735	20.979	1
3412_3413	3412	3413	-90.8565	3.9915	0.093	-0.126	1.4955	-62.9085	1
3413_3413	3413	3413	-23.7525	2.4225	-0.084	-0.0075	0.258	-24.9825	1
3413_3414	3413	3414	-97.9725	1.3095	-0.075	-0.039	0.717	-72.354	1
3414_3414	3414	3414	-23.802	1.872	-0.033	-0.087	-0.315	-42.4605	1
3414_3415	3414	3415	-97.977	-0.963	0.126	-0.204	1.674	-65.412	1
3415_3415	3415	3415	-25.014	1.1775	1.8	0.0585	-0.588	-55.692	1
3415_3416	3415	3416	-107.865	-3.9765	3.0555	0.0915	34.833	-21.9975	1
3416_3416	3416	3416	-25.0335	0.585	1.8075	-0.417	19.059	-68.5485	1
3416_3417	3416	3417	-107.739	-6.5325	3.0915	-0.7425	45.5955	0.7605	1
3417_3417	3417	3417	-25.098	0.5865	1.197	0.0675	26.19	-70.5795	1
3417_3036	3417	3036	-107.924	-8.445	-1.056	0.099	42.669	35.3985	1
3420_3056	3420	3056	-25.824	-0.018	-1.4205	-0.054	22.6725	-51.003	1
3420_3421	3420	3421	-105.707	8.8035	1.626	-0.09	36.1275	24.276	1
3421_3421	3421	3421	-25.7475	0.0015	-1.2345	0.2835	16.1265	-50.9295	1
3421_3422	3421	3422	-105.557	7.014	-2.5275	0.567	25.674	-0.174	1
3422_3422	3422	3422	-25.7415	-0.609	-1.2195	-0.0255	11.82	-50.937	1
3422_3423	3422	3423	-105.695	4.5075	-2.4705	-0.042	-1.3095	-49.4175	1
3423_3423	3423	3423	-23.97	-1.278	0.1065	0.051	-1.4505	-44.2785	1
3423_3424	3423	3424	-94.941	1.656	0.1005	0.141	-0.3795	-61.3395	1
3424_3424	3424	3424	-23.934	-1.824	0.1305	0.0315	-0.6975	-35.073	1
3424_3425	3424	3425	-94.9545	-0.5115	0.1965	0.0885	1.02	-57.648	1
3425_3425	3425	3425	-22.305	-2.535	0.0465	0.0375	0.228	-21.9075	1
3425_3426	3425	3426	-87.411	-2.9865	-0.093	0.12	-0.1485	-14.592	1
3426_3426	3426	3426	-20.7945	-3.2625	-0.7245	-0.0105	0.945	14.6805	1
3426_3427	3426	3427	-81.495	-5.6805	0.258	0.135	2.3835	36.3585	1
3427_3427	3427	3427	-20.724	-3.6855	-0.711	0.129	-5.4555	43.554	1
3427_3428	3427	3428	-81.363	-7.2675	0.315	0.108	4.176	75.408	1
3428_3428	3428	3428	-19.704	0.552	-0.285	-1.128	-9.8265	64.329	1
3428_3429	3428	3429	-76.746	9.0465	-2.334	-0.222	-2.235	49.773	1
3429_3429	3429	3429	-19.593	-0.1785	-1.0695	1.1955	-10.707	62.943	1
3429_3430	3429	3430	-76.4655	-7.356	-2.8065	0.378	-11.118	86.3325	1
3430_3430	3430	3430	-18.702	3.39	0.729	-0.0825	-9.5415	59.0625	1
3430_3431	3430	3431	-80.202	6.846	-0.312	-0.0555	3.465	29.553	1
3431_3431	3431	3431	-18.7695	3	0.7035	-0.018	-5.469	40.224	1
3431_3432	3431	3432	-80.328	5.1705	-0.4155	-0.165	-0.204	-16.2615	1
3432_3432	3432	3432	-19.4775	2.3385	-0.0375	-0.039	0.762	13.593	1
3432_3433	3432	3433	-85.9125	2.616	0.1095	-0.123	1.1205	-53.9655	1
3433_3433	3433	3433	-20.2365	1.6695	-0.114	-0.063	0.27	-19.989	1
3433_3434	3433	3434	-93.0255	0.156	-0.096	-0.144	0.213	-55.0965	1
3434_3434	3434	3434	-20.2695	1.1985	-0.1335	-0.0195	-0.5625	-32.028	1
3434_3435	3434	3435	-93.003	-2.007	-0.186	-0.0945	-1.152	-40.626	1
3435_3435	3435	3435	-21.162	0.588	1.4385	0.0555	-1.5195	-40.1445	1
3435_3436	3435	3436	-103.199	-4.7895	2.532	0.0405	26.259	11.6535	1
3436_3436	3436	3436	-21.168	0.0705	1.4775	-0.378	14.208	-46.56	1
3436_3437	3436	3437	-103.046	-7.311	2.721	-0.579	35.7525	37.209	1
3437_3437	3437	3437	-21.237	0.0675	0.651	0.057	20.3295	-46.806	1
3437_3072	3437	3072	-103.271	-8.94	-1.3845	0.093	31.725	73.788	1
3440_3094	3440	3094	-23.3235	-0.1305	-0.7455	-0.0645	19.1145	-53.2005	1
3440_3441	3440	3441	-101.952	8.751	1.821	-0.0915	29.4135	32.1765	1
3441_3441	3441	3441	-23.253	-0.135	-1.1625	0.2685	15.135	-52.668	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3441_3442	3441	3442	-101.766	7.0065	-2.0535	0.507	20.562	7.7355	1
3442_3442	3442	3442	-23.2425	-0.699	-1.161	-0.0045	11.0805	-52.1985	1
3442_3443	3442	3443	-101.906	4.5375	-2.0475	0.0075	-1.773	-41.79	1
3443_3443	3443	3443	-22.1295	-1.323	0.1275	0.0405	-1.5465	-44.577	1
3443_3444	3443	3444	-91.8765	1.863	0.1755	0.132	-0.2805	-55.215	1
3444_3444	3444	3444	-22.0935	-1.836	0.123	0.0615	-0.6255	-35.0445	1
3444_3445	3444	3445	-91.8945	-0.273	0.1575	0.15	0.864	-53.2485	1
3445_3445	3445	3445	-21.1035	-2.541	0.039	0.0465	0.2205	-21.879	1
3445_3446	3445	3446	-84.9855	-2.643	-0.0975	0.1485	-0.3555	-15.15	1
3446_3446	3446	3446	-20.223	-3.261	-0.588	0.0345	0.828	14.8515	1
3446_3447	3446	3447	-79.542	-5.1585	0.2595	0.18	2.1615	30.537	1
3447_3447	3447	3447	-20.151	-3.6765	-0.609	0.0795	-4.395	43.731	1
3447_3448	3447	3448	-79.419	-6.792	0.1755	0.105	3.1275	68.2965	1
3448_3448	3448	3448	-19.758	0.4935	-0.066	-1.3905	-8.256	64.479	1
3448_3449	3448	3449	-75.18	9.1335	-2.1285	-0.579	-2.583	42.3255	1
3449_3449	3449	3449	-19.668	-0.1695	-0.9765	1.47	-8.475	63.1365	1
3449_3450	3449	3450	-74.856	-7.815	-3.141	0.666	-12.072	66.0615	1
3450_3450	3450	3450	-18.666	3.891	0.831	-0.006	-10.7685	63.666	1
3450_3451	3450	3451	-76.314	6.4785	-0.5925	-0.0795	4.8825	29.2455	1
3451_3451	3451	3451	-18.7425	3.507	0.825	0.108	-6.1425	42.03	1
3451_3452	3451	3452	-76.431	4.908	-0.6165	-0.189	-0.5775	-14.226	1
3452_3452	3452	3452	-18.2805	2.8125	-0.108	0.069	1.2735	10.893	1
3452_3453	3452	3453	-81.8835	2.514	0.132	-0.1455	1.056	-50.463	1
3453_3453	3453	3453	-17.8995	2.145	0.0645	0.072	-0.117	-29.4795	1
3453_3454	3453	3454	-88.7985	0.27	-0.144	-0.1365	-0.2265	-52.4145	1
3454_3454	3454	3454	-17.9445	1.728	0.069	0.054	0.3555	-44.949	1
3454_3455	3454	3455	-88.7805	-1.7925	-0.126	-0.141	-1.137	-39.489	1
3455_3455	3455	3455	-17.5725	1.1595	-0.639	0.0315	1.062	-56.685	1
3455_3456	3455	3456	-98.7855	-4.344	1.782	-0.021	18.024	7.9185	1
3456_3456	3456	3456	-17.5965	0.732	-0.621	0.108	-5.8875	-69.3345	1
3456_3457	3456	3457	-98.649	-6.7365	1.875	-0.4515	24.558	31.431	1
3457_3457	3457	3457	-17.6445	0.6555	-1.122	-0.039	-8.4225	-71.8875	1
3457_3110	3457	3110	-98.856	-8.4195	-1.521	0.0765	19.7625	65.9055	1
3460_3132	3460	3132	-28.7475	1.7925	0.159	-0.0345	12.6105	-46.8	1
3460_3461	3460	3461	-116.586	15.15	2.6145	-0.048	21.9825	25.653	1
3461_3461	3461	3461	-28.7145	0.522	-0.8955	0.1755	12.45	-55.5885	1
3461_3462	3461	3462	-116.907	8.4405	-1.3065	0.3735	15.84	-3.7815	1
3462_3462	3462	3462	-28.7175	-0.168	-0.9225	0.003	9.3435	-57.405	1
3462_3463	3462	3463	-117.075	5.634	-1.413	-0.003	0.4155	-65.2965	1
3463_3463	3463	3463	-28.1385	-1.059	0.063	0.0315	-0.5565	-55.725	1
3463_3464	3463	3464	-108.894	2.634	-0.0015	0.111	0.7275	-86.0565	1
3464_3464	3464	3464	-28.107	-1.713	0.06	0.039	-0.1005	-48.0915	1
3464_3465	3464	3465	-108.926	0.102	-0.012	0.1035	0.645	-86.79	1
3465_3465	3465	3465	-27.69	-2.6235	0.0195	0.0255	0.2415	-35.847	1
3465_3466	3465	3466	-104.054	-2.5905	-0.0165	0.1065	0.567	-49.4595	1
3466_3466	3466	3466	-27.345	-3.513	-0.2865	0.006	0.441	1.9965	1
3466_3467	3466	3467	-100.979	-5.469	-0.402	0.084	-2.8095	-1.0305	1
3467_3467	3467	3467	-27.267	-4.0755	-0.282	0.054	-2.0955	33.1065	1
3467_3468	3467	3468	-100.845	-7.5435	-0.3855	0.141	-4.95	40.9005	1
3468_3468	3468	3468	-27.429	1.761	0.648	-0.5775	-3.9795	56.0745	1
3468_3469	3468	3469	-98.9175	13.7895	-0.7725	-0.192	-7.488	-0.7815	1
3469_3469	3469	3469	-25.365	-2.4285	-0.441	0.3675	-0.981	21.945	1
3469_3470	3469	3470	-91.3155	-13.7325	0.774	-0.1005	-2.682	13.3455	1
3470_3470	3470	3470	-25.5225	3.0105	0.1695	-0.0285	-2.136	29.2905	1
3470_3471	3470	3471	-93.672	5.9775	0.219	-0.1185	-1.383	-19.8675	1
3471_3471	3471	3471	-25.578	2.4855	0.165	-0.006	-1.194	12.555	1
3471_3472	3471	3472	-93.7755	4.05	0.204	-0.087	0.4245	-55.731	1
3472_3472	3472	3472	-26.0955	1.692	-0.012	-0.015	0.3165	-9.4545	1
3472_3473	3472	3473	-97.233	1.3995	0.036	-0.0975	0.7755	-75.915	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3473_3473	3473	3473	-26.7945	0.903	-0.0705	-0.021	0.2145	-33.7245	1
3473_3474	3473	3474	-102.627	-1.056	-0.105	-0.0885	-0.033	-68.301	1
3474_3474	3474	3474	-26.8095	0.279	-0.0675	-0.018	-0.297	-40.2345	1
3474_3475	3474	3475	-102.575	-3.441	-0.093	-0.0945	-0.7035	-43.503	1
3475_3475	3475	3475	-27.6645	-0.4515	0.495	-0.0225	-0.747	-41.9235	1
3475_3476	3475	3476	-111.329	-6.2565	1.2645	0.012	13.071	24.8205	1
3476_3476	3476	3476	-27.6465	-1.116	0.4275	-0.0435	4.6305	-36.993	1
3476_3477	3476	3477	-111.15	-8.925	0.999	-0.363	16.5675	55.9485	1
3477_3477	3477	3477	-27.723	-1.107	0.5145	0.0285	6.558	-33.0975	1
3477_3148	3477	3148	-111.272	-10.6035	-2.214	0.0555	8.6535	99.3855	1
3480_3168	3480	3168	-30.438	1.152	-0.75	-0.03	9.8175	-37.956	1
3480_3481	3480	3481	-116.816	11.058	1.596	-0.069	17.418	52.251	1
3481_3481	3481	3481	-30.3765	1.125	-0.462	0.069	6.357	-42.6765	1
3481_3482	3481	3482	-116.616	9.36	-1.086	0.3225	12.687	19.602	1
3482_3482	3482	3482	-30.3945	0.396	-0.5025	0.0165	4.761	-46.6005	1
3482_3483	3482	3483	-116.805	6.5595	-1.239	-0.0075	-0.8445	-52.041	1
3483_3483	3483	3483	-29.898	-0.4605	0.069	0.0135	-0.7215	-51.189	1
3483_3484	3483	3484	-108.281	3.462	0.1035	0.0795	0.0405	-76.989	1
3484_3484	3484	3484	-29.8785	-1.17	0.0645	0.0255	-0.2265	-47.8635	1
3484_3485	3484	3485	-108.333	0.894	0.09	0.0885	0.69	-83.43	1
3485_3485	3485	3485	-29.4765	-2.079	0.0165	0.0135	0.198	-39.4935	1
3485_3486	3485	3486	-103.124	-1.8075	-0.03	0.0885	0.36	-57.366	1
3486_3486	3486	3486	-29.232	-3.024	-0.2535	-0.0015	0.441	-9.4575	1
3486_3487	3486	3487	-99.8805	-4.707	-0.2775	0.0765	-1.887	-15.684	1
3487_3487	3487	3487	-29.1645	-3.6255	-0.249	0.0375	-1.8015	17.3265	1
3487_3488	3487	3488	-99.762	-6.7605	-0.261	0.1125	-3.3405	21.8865	1
3488_3488	3488	3488	-29.328	2.649	0.285	-0.4665	-3.351	37.476	1
3488_3489	3488	3489	-97.6395	14.3055	-0.903	0.0135	-6.15	-21.3555	1
3489_3489	3489	3489	-25.626	-2.166	-0.729	0.606	-2.0865	35.547	1
3489_3490	3489	3490	-101.117	-14.8275	0.513	0.123	-4.2405	22.005	1
3490_3490	3490	3490	-25.6485	3.309	0.3135	-0.0495	-3.993	41.481	1
3490_3491	3490	3491	-103.422	6.984	0.3285	-0.12	-2.283	-16.8	1
3491_3491	3491	3491	-25.71	2.781	0.309	-0.0075	-2.2515	23.0895	1
3491_3492	3491	3492	-103.544	4.8555	0.312	-0.0705	0.4785	-59.7915	1
3492_3492	3492	3492	-26.1015	1.9695	-0.024	-0.0225	0.549	-1.539	1
3492_3493	3492	3493	-107.036	1.842	0.03	-0.0855	0.7725	-86.355	1
3493_3493	3493	3493	-26.6385	1.1715	-0.105	-0.0315	0.303	-29.9295	1
3493_3494	3493	3494	-112.569	-1.041	-0.105	-0.078	-0.057	-78.8565	1
3494_3494	3494	3494	-26.658	0.5625	-0.1035	-0.0255	-0.4575	-38.373	1
3494_3495	3494	3495	-112.515	-3.6075	-0.096	-0.0825	-0.744	-52.8855	1
3495_3495	3495	3495	-27.354	-0.198	0.7725	0.018	-1.152	-41.9055	1
3495_3496	3495	3496	-121.481	-6.921	1.2345	-0.006	12.69	22.704	1
3496_3496	3496	3496	-27.3405	-0.8535	0.8085	-0.21	7.2915	-39.7455	1
3496_3497	3496	3497	-121.277	-9.8325	1.392	-0.2805	17.5365	57.0105	1
3497_3497	3497	3497	-27.39	-0.8475	0.147	0.042	10.7295	-36.7665	1
3497_3184	3497	3184	-121.38	-11.6235	-1.9125	0.0705	10.8075	104.5995	1
3500_3204	3500	3204	-21.753	-0.045	-0.975	-0.06	14.928	-45.156	1
3500_3501	3500	3501	-114.234	9.8745	0.561	-0.1335	26.04	28.719	1
3501_3501	3501	3501	-21.711	-0.0285	-0.819	0.2415	10.626	-44.964	1
3501_3502	3501	3502	-114.086	8.0295	-1.8945	0.462	18.6045	0.741	1
3502_3502	3502	3502	-21.705	-0.5505	-0.786	-0.012	7.7505	-44.8665	1
3502_3503	3502	3503	-114.249	5.289	-1.7235	0.0165	-0.219	-57.03	1
3503_3503	3503	3503	-20.4285	-1.122	0.054	0.0555	-0.7875	-38.8545	1
3503_3504	3503	3504	-103.262	1.965	0.0135	0.186	0.093	-71.187	1
3504_3504	3504	3504	-20.3955	-1.596	0.081	0.0255	-0.414	-30.768	1
3504_3505	3504	3505	-103.28	-0.4365	0.1455	0.093	1.119	-68.0445	1
3505_3505	3505	3505	-19.1895	-2.223	0.0165	0.0375	0.192	-19.3665	1
3505_3506	3505	3506	-95.064	-3.3915	-0.1185	0.1455	-0.303	-19.1775	1
3506_3506	3506	3506	-19.6665	-3.3825	-1.0815	-0.138	1.047	7.254	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3506_3507	3506	3507	-88.3965	-6.336	0.426	0.1695	3.7395	36.93	1
3507_3507	3507	3507	-19.593	-3.786	-1.0785	0.0435	-8.5335	37.203	1
3507_3508	3507	3508	-88.2465	-8.1525	0.441	0.0975	6.1905	82.239	1
3508_3508	3508	3508	-20.799	0.5085	1.0635	-1.9395	-14.931	58.155	1
3508_3509	3508	3509	-83.0115	9.162	2.7645	-0.516	-3.18	38.5245	1
3509_3509	3509	3509	-20.889	-0.9165	0.2685	1.8675	-11.697	56.6085	1
3509_3510	3509	3510	-83.211	-10.0485	2.8095	0.471	5.325	68.8005	1
3510_3510	3510	3510	-21.651	3.531	0.7845	-0.1335	-10.4445	59.1255	1
3510_3511	3510	3511	-89.169	7.6215	-0.318	-0.0975	3.0795	24.5265	1
3511_3511	3511	3511	-21.72	3.0855	0.78	-0.0135	-6.0855	39.501	1
3511_3512	3511	3512	-89.307	5.787	-0.3315	-0.1635	0.141	-26.7165	1
3512_3512	3512	3512	-22.866	2.3265	-0.0435	-0.0525	0.8265	12.1455	1
3512_3513	3512	3513	-96.435	2.8005	0.0705	-0.135	0.987	-67.0875	1
3513_3513	3513	3513	-24.117	1.587	-0.087	-0.0585	0.2265	-21.315	1
3513_3514	3513	3514	-105.108	-0.1845	-0.069	-0.1245	0.3735	-65.7615	1
3514_3514	3514	3514	-24.1485	1.0275	-0.084	-0.0525	-0.402	-32.766	1
3514_3515	3514	3515	-105.077	-2.6265	-0.057	-0.1395	-0.042	-46.8285	1
3515_3515	3515	3515	-25.599	0.3555	1.1385	0.0075	-1.008	-39.9675	1
3515_3516	3515	3516	-116.597	-6.0345	1.671	-0.0195	18.156	19.0785	1
3516_3516	3516	3516	-25.599	-0.258	1.149	-0.285	11.4315	-43.854	1
3516_3517	3516	3517	-116.418	-8.703	1.7265	-0.45	24.2265	46.0035	1
3517_3517	3517	3517	-25.6305	-0.246	0.4365	0.0705	16.0665	-42.9255	1
3517_3220	3517	3220	-116.46	-10.536	-0.7515	0.144	22.023	89.0835	1
3520_3241	3520	3241	-26.757	0.0825	-0.2415	-0.4725	20.4105	-55.1535	1
3520_3521	3520	3521	-117.605	10.6785	1.6185	-0.111	41.8485	53.946	1
3521_3521	3521	3521	-26.4705	0.0615	-1.3395	0.462	19.0935	-55.2615	1
3521_3522	3521	3522	-116.427	9.36	-3.081	0.645	30.972	21.51	1
3522_3522	3522	3522	-26.469	-0.567	-1.272	-0.0195	14.394	-55.4865	1
3522_3523	3522	3523	-116.624	6.597	-2.793	-0.0345	0.4905	-50.5575	1
3523_3523	3523	3523	-25.6965	-1.3785	-0.0525	0.141	0.4995	-49.2315	1
3523_3524	3523	3524	-108.773	2.7495	-0.1875	0.2535	-0.333	-70.251	1
3524_3524	3524	3524	-25.656	-1.986	0.0345	0.009	0.0765	-39.288	1
3524_3525	3524	3525	-108.807	0.18	0.1725	0.0285	0.8325	-71.544	1
3525_3525	3525	3525	-24.705	-2.7975	-0.054	0.0585	0.3285	-25.128	1
3525_3526	3525	3526	-101.583	-3.2715	-0.039	0.135	0.7035	-24.264	1
3526_3526	3526	3526	-23.763	-3.603	-0.381	-0.0225	-0.4395	15.2505	1
3526_3527	3526	3527	-95.4255	-6.294	1.407	0.1935	13.6005	27.7725	1
3527_3527	3527	3527	-23.682	-4.1025	-0.318	0.1725	-3.7605	47.163	1
3527_3528	3527	3528	-95.268	-8.301	1.6485	-0.0255	22.7895	73.8435	1
3528_3528	3528	3528	-23.622	0.825	-0.1155	-0.8595	-5.736	70.0995	1
3528_3529	3528	3529	-94.2825	10.239	2.3445	-2.853	-24.306	51.4095	1
3529_3529	3529	3529	-23.568	-0.4485	-0.4455	0.9105	-6.099	67.3545	1
3529_3530	3529	3530	-94.548	-10.851	1.0995	2.5845	-20.928	83.0895	1
3530_3530	3530	3530	-22.638	4.485	0.471	-0.0675	-7.239	68.8425	1
3530_3531	3530	3531	-101.651	9.114	1.1835	-0.366	-13.686	23.5935	1
3531_3531	3531	3531	-22.728	4.0035	0.5325	0.138	-4.6695	43.935	1
3531_3532	3531	3532	-101.817	6.9555	1.443	-0.0165	-0.927	-38.0445	1
3532_3532	3532	3532	-22.9485	2.4195	0.0075	-0.0645	-0.2715	12.144	1
3532_3533	3532	3533	-108.759	3.213	-0.0735	-0.12	-1.671	-84.381	1
3533_3533	3533	3533	-24.3525	1.704	-0.003	-0.0465	-0.0555	-22.617	1
3533_3534	3533	3534	-116.807	-0.546	0.006	-0.1035	-1.236	-80.421	1
3534_3534	3534	3534	-24.387	1.1265	0.0135	-0.0675	-0.072	-34.902	1
3534_3535	3534	3535	-116.768	-2.8365	0.072	-0.1275	-0.8055	-66.234	1
3535_3535	3535	3535	-26.361	0.5775	1.185	0.078	0.1755	-42.978	1
3535_3536	3535	3536	-126.248	-6.7485	1.6095	-0.0165	17.172	7.4595	1
3536_3536	3536	3536	-26.3625	-0.072	1.29	-0.4395	13.152	-49.26	1
3536_3537	3536	3537	-126.036	-9.849	2.1	-0.408	24.4935	41.883	1
3537_3537	3537	3537	-26.169	-1.8015	0.384	0.2685	18.0045	-48.1275	1
3537_3255	3537	3255	-124.94	-20.064	1.632	0.5415	34.4385	152.4015	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3540_3279	3540	3279	-29.469	1.659	-0.9255	-0.6225	14.3835	-50.952	1
3540_3541	3540	3541	-120.485	16.275	-1.8225	-1.932	6.51	42.198	1
3541_3541	3541	3541	-29.577	0.1845	-0.681	0.312	9.6945	-58.5795	1
3541_3542	3541	3542	-121.496	9.2475	-0.75	0.1935	4.464	11.091	1
3542_3542	3542	3542	-29.574	-0.513	-0.636	0.048	7.299	-59.2245	1
3542_3543	3542	3543	-121.68	6.384	-0.5655	0.1065	-1.713	-58.6575	1
3543_3543	3543	3543	-28.749	-1.5135	-0.0315	0.1155	0.4695	-54.129	1
3543_3544	3543	3544	-115.511	3.051	0.021	0.1665	-1.056	-68.4795	1
3544_3544	3544	3544	-28.7055	-2.181	0.003	0.06	0.225	-43.2255	1
3544_3545	3544	3545	-115.55	0.369	0.156	0.111	0.0465	-71.136	1
3545_3545	3545	3545	-27.411	-3.105	-0.0255	0.0555	0.327	-27.4485	1
3545_3546	3545	3546	-108.992	-3.0435	0.1155	0.111	2.277	-24.4935	1
3546_3546	3546	3546	-26.3175	-4.1205	0.4575	0.0075	0.0315	17.493	1
3546_3547	3546	3547	-103.808	-7.131	2.7045	0.2385	26.7765	38.886	1
3547_3547	3547	3547	-26.2215	-4.686	0.525	0.048	4.1445	53.994	1
3547_3548	3547	3548	-103.623	-9.363	2.961	-0.246	43.248	90.8115	1
3548_3548	3548	3548	-25.5045	0.891	-0.7575	0.435	7.2345	79.6725	1
3548_3549	3548	3549	-96.4275	11.952	-3.0315	4.506	35.1975	60.1395	1
3549_3549	3549	3549	-25.359	-0.153	-0.4305	-0.5385	4.98	77.439	1
3549_3550	3549	3550	-95.8185	-8.757	-0.5115	-4.725	33.9675	101.8065	1
3550_3550	3550	3550	-23.7045	5.214	-0.2475	-0.0105	3.522	77.79	1
3550_3551	3550	3551	-95.376	6.981	1.695	-0.3885	-20.1	-18.57	1
3551_3551	3551	3551	-23.8185	4.674	-0.162	0.1005	2.052	48.2745	1
3551_3552	3551	3552	-95.505	5.232	2.022	0.009	-2.988	-56.127	1
3552_3552	3552	3552	-23.289	3.6675	-0.2085	0.1065	0.6645	8.7885	1
3552_3553	3552	3553	-99.693	0.408	0.177	-0.1335	-0.261	-64.9275	1
3553_3553	3553	3553	-22.836	2.739	-0.1695	0.1665	-2.193	-42.7245	1
3553_3554	3553	3554	-104.66	-3.2985	0.1815	-0.0765	1.3185	-44.8965	1
3554_3554	3554	3554	-22.899	2.1495	-0.108	0.0945	-3.327	-62.007	1
3554_3555	3554	3555	-104.54	-6	0.4455	-0.225	4.4925	-2.6385	1
3555_3555	3555	3555	-22.203	1.2135	-0.5775	0.048	-4.05	-76.5075	1
3555_3556	3555	3556	-109.829	-10.587	0.726	-0.093	12.675	110.187	1
3556_3556	3556	3556	-22.227	0.5985	-0.588	0.3705	-10.209	-89.4255	1
3556_3557	3556	3557	-109.494	-13.6215	0.678	-0.4935	15.0015	156.837	1
3557_3557	3557	3557	-22.533	-0.2985	0.279	0.144	-12.4815	-90.4335	1
3557_3293	3557	3293	-108.222	-19.89	-0.1395	-0.435	14.607	285.549	1
43000_3000	43000	3000	-0.711	-4.9485	0.6825	-1.386	0	-5.511	1
43000_3001	43000	3001	-1.947	-31.9845	1.0815	-1.5195	16.125	462.423	1
43001_3001	43001	3001	-0.7095	-4.9485	0.6825	-1.3065	10.1715	68.307	1
43001_3002	43001	3002	-1.947	-31.9845	1.083	-0.975	27.3885	794.955	1
43002_3002	43002	3002	-0.723	-4.8915	-0.9795	-1.356	17.2695	119.757	1
43002_3003	43002	3003	-1.965	-38.733	-1.173	-2.109	13.122	1265.988	1
43003_3003	43003	3003	-0.7245	-4.8915	-0.978	-1.0455	5.3625	179.2395	1
43003_3004	43003	3004	-1.9665	-38.733	-1.17	0.087	-1.11	1737.288	1
43004_3004	43004	3004	-0.7215	-4.9215	-0.516	-1.2315	-6.537	238.7625	1
43004_3005	43004	3005	-1.9605	-52.3515	-0.354	-1.896	-5.4225	2374.101	1
43005_3005	43005	3005	-0.7215	-4.9215	-0.5145	-0.957	-12.807	298.632	1
43005_3006	43005	3006	-1.9605	2.8485	-0.3525	0.282	-9.7155	2339.421	1
43006_3006	43006	3006	-0.72	-4.884	-0.3285	-1.275	-19.0725	358.548	1
43006_3007	43006	3007	-1.9605	-14.808	-0.2445	-2.844	-12.6945	2519.505	1
43007_3007	43007	3007	-0.7215	-4.884	-0.327	-0.552	-23.0595	417.9555	1
43007_3008	43007	3008	-1.9605	14.706	-0.2415	1.5195	-15.633	2340.527	1
43008_3008	43008	3008	-0.7215	-4.872	-0.276	-0.8805	-27.0345	477.408	1
43008_3009	43008	3009	-1.9605	28.878	-0.222	-1.1985	-18.33	1989.293	1
43009_3009	43009	3009	-0.7215	-4.872	-0.2745	-0.4425	-30.387	536.6925	1
43009_3010	43009	3010	-1.9605	37.3755	-0.2205	0.4245	-21.0075	1534.548	1
43010_3010	43010	3010	-0.7215	-4.9215	-0.2895	-0.9045	-33.732	595.98	1
43010_3011	43010	3011	-1.962	25.5225	-0.264	-1.179	-24.2175	1224.099	1
43011_3011	43011	3011	-0.7215	-4.9215	-0.288	0.165	-37.257	655.851	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43011_3012	43011	3012	-1.962	25.5225	-0.261	0.819	-27.387	913.671	1
43012_3012	43012	3012	-0.723	-5.202	-0.36	-0.3015	-40.767	715.7205	1
43012_3013	43012	3013	-1.962	18.4935	-0.297	-0.1005	-30.9945	688.551	1
43013_3013	43013	3013	-0.723	-5.202	-0.3585	0.3345	-45.1455	779.0295	1
43013_3014	43013	3014	-1.9635	18.4935	-0.2955	0.462	-34.5825	463.4835	1
43014_3014	43014	3014	-0.723	-5.841	-0.2325	-0.3465	-49.518	842.346	1
43014_3015	43014	3015	-1.9635	14.928	-0.3915	0.159	-41.034	217.8405	1
43015_3015	43015	3015	-0.672	-5.847	-0.231	1.5735	-53.334	938.049	1
43015_3016	43015	3016	-2.337	65.0625	-0.459	2.736	-64.7115	1416.564	1
43016_3016	43016	3016	-0.537	-7.3485	-0.0975	-0.6735	-55.29	986.217	1
43016_3017	43016	3017	-3.261	59.4285	-0.0345	-0.5685	-65.0505	1054.791	1
43017_3017	43017	3017	-0.357	-7.3605	-0.096	1.971	-56.3715	1072.688	1
43017_3018	43017	3018	-5.1615	69.576	0.0555	2.463	-61.8765	608.3895	1
43018_3018	43018	3018	-0.288	1.725	0.2085	0.195	26.817	-441.299	1
43018_3019	43018	3019	-7.1085	73.683	-0.348	0.2895	-61.9275	201.6	1
43019_3019	43019	3019	-0.333	1.7175	0.2085	-1.308	29.3565	-462.932	1
43019_3020	43019	3020	-10.0455	84.942	-0.2985	2.484	-60.372	-359.211	1
43020_3020	43020	3020	-90.954	-3.1515	-1.5825	-1.428	104.0985	-71.238	1
43020_3021	43020	3021	-18.0405	1.551	0.687	0.2835	-42.8655	209.088	1
43021_3021	43021	3021	-90.957	-3.1515	-1.4085	-1.167	89.079	-63.294	1
43021_3022	43021	3022	-18.039	1.551	0.7215	0.5085	-37.2675	192.7065	1
43022_3022	43022	3022	-90.957	-3.1515	-1.4085	-1.167	78.1605	-38.8665	1
43022_3023	43022	3023	-18.039	1.551	0.7215	0.5085	-31.6695	180.6825	1
43023_3023	43023	3023	-90.96	-3.8295	-1.677	-1.62	67.2435	-14.433	1
43023_3024	43023	3024	-18.039	1.4445	0.459	0.525	-27.9945	169.1235	1
43024_3024	43024	3024	-90.96	-3.8295	-1.677	-1.62	53.826	16.206	1
43024_3025	43024	3025	-18.039	1.4445	0.459	0.525	-24.3195	157.5645	1
43025_3025	43025	3025	-90.9615	-3.8295	-1.575	-1.5675	40.4085	46.8465	1
43025_3026	43025	3026	-18.039	1.4445	0.48	0.7005	-20.49	146.0205	1
43026_3026	43026	3026	-90.963	-4.71	-1.95	-1.899	27.8205	77.439	1
43026_3027	43026	3027	-18.039	1.428	0.4395	0.435	-17.853	137.454	1
43027_3027	43027	3027	-90.966	-4.71	-1.7985	-1.725	16.1205	105.7095	1
43027_3028	43027	3028	-18.0375	1.428	0.4695	0.663	-15.039	128.8875	1
43028_3028	43028	3028	-90.966	-4.71	-1.7985	-1.725	5.328	133.9725	1
43028_3029	43028	3029	-18.0375	1.428	0.4695	0.663	-12.2235	120.321	1
43029_3029	43029	3029	-90.969	-4.71	-1.6485	-1.455	-5.4645	162.237	1
43029_3030	43029	3030	-18.0375	1.428	0.4995	0.8625	-9.2295	111.7545	1
43030_3030	43030	3030	-90.969	-5.2785	-1.788	-1.9035	-15.3495	190.494	1
43030_3031	43030	3031	-18.0375	1.4145	0.4365	0.6285	-5.739	100.4295	1
43031_3031	43031	3031	-90.972	-5.2785	-1.686	-1.6425	-29.667	232.767	1
43031_3032	43031	3032	-18.0375	1.4145	0.456	0.7425	-2.091	89.118	1
43032_3032	43032	3032	-90.9735	-5.2785	-1.572	-1.3005	-43.149	274.983	1
43032_3033	43032	3033	-18.0375	1.4145	0.4785	0.852	1.7355	77.808	1
43033_3033	43033	3033	-90.9735	-5.691	-1.6965	-1.767	-55.7235	317.1945	1
43033_3034	43033	3034	-18.0315	1.4025	0.9675	0.5295	9.2295	66.9435	1
43034_3034	43034	3034	-90.978	-5.691	-1.452	-0.7935	-68.8665	361.2855	1
43034_3035	43034	3035	-18.0285	1.4025	1.0155	0.7095	17.109	56.064	1
43035_3035	43035	3035	-90.978	-5.691	-1.5045	-1.4085	-80.124	428.55	1
43035_3036	43035	3036	-18.0285	1.4025	1.005	0.933	26.6655	47.316	1
43036_3036	43036	3036	-18.2055	11.406	-0.024	-2.499	-48.06	1365.221	1
43036_3037	43036	3037	-35.7555	-67.149	0.231	-2.0295	-49.0005	-111.432	1
43037_3037	43037	3037	-18.4995	10.923	-0.006	-0.1665	-48.4845	1221.977	1
43037_3038	43037	3038	-34.0545	-64.2615	0.246	-0.9135	-46.9485	556.1655	1
43038_3038	43038	3038	-18.8235	9.366	-0.009	-1.9875	-48.405	1085.088	1
43038_3039	43038	3039	-32.8005	-66.972	-0.303	-2.5455	-52.5705	1220.697	1
43039_3039	43039	3039	-19.047	8.901	0.0165	0.4515	-48.582	958.965	1
43039_3040	43039	3040	-30.7185	-48.9405	-0.228	0.12	-56.457	1508.736	1
43040_3040	43040	3040	-19.1985	7.314	0.339	-1.1715	-48.348	854.3505	1
43040_3041	43040	3041	-29.613	-25.689	0.4065	-1.866	-52.38	1577.81	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43041_3041	43041	3041	-19.2615	7.1445	0.3585	-0.0585	-45.564	788.499	1
43041_3042	43041	3042	-29.442	-7.3515	0.4215	0.027	-46.4415	1676.729	1
43042_3042	43042	3042	-19.2645	6.2925	0.114	-0.237	-39.828	674.124	1
43042_3043	43042	3043	-29.4435	5.8875	0.1845	-0.72	-44.2365	1606.395	1
43043_3043	43043	3043	-19.2645	6.2925	0.129	0.2625	-38.469	598.899	1
43043_3044	43043	3044	-29.4435	32.3775	0.2085	0.6195	-41.7405	1219.397	1
43044_3044	43044	3044	-19.2645	5.9775	0.1395	-0.0345	-36.9195	523.689	1
43044_3045	43044	3045	-29.445	20.823	0.0735	-0.5835	-40.8675	970.599	1
43045_3045	43045	3045	-19.263	5.9775	0.1725	0.7515	-35.2605	452.2485	1
43045_3046	43045	3046	-29.445	20.823	0.1245	1.101	-39.3825	721.5525	1
43046_3046	43046	3046	-19.263	5.871	0.1725	0.633	-33.201	380.7645	1
43046_3047	43046	3047	-29.445	14.175	0.099	0.474	-38.208	552.2025	1
43047_3047	43047	3047	-19.263	5.871	0.174	0.654	-31.1355	310.623	1
43047_3048	43047	3048	-29.445	14.175	0.1005	0.5115	-37.008	382.698	1
43048_3048	43048	3048	-19.263	5.9565	0.1845	0.84	-29.052	240.423	1
43048_3049	43048	3049	-29.445	11.0745	0.081	0.729	-36.0315	250.305	1
43049_3049	43049	3049	-19.263	5.9565	0.183	0.8295	-26.847	169.2045	1
43049_3050	43049	3050	-29.445	11.0745	0.0795	0.7125	-35.0775	118.0005	1
43050_3050	43050	3050	-19.263	6.1545	0.228	0.8475	-24.6585	98.0445	1
43050_3051	43050	3051	-29.4465	10.2345	0.0945	0.8415	-33.564	-45.717	1
43051_3051	43051	3051	-19.314	5.994	0.2385	1.047	-21	1.485	1
43051_3052	43051	3052	-29.5305	9.987	0.1095	1.1115	-32.646	-125.241	1
43052_3052	43052	3052	-19.416	6.0345	0.4335	0.729	-19.0305	-47.985	1
43052_3053	43052	3053	-29.6955	9.8535	0.363	0.78	-28.374	-241.065	1
43053_3053	43053	3053	-19.563	5.5395	0.447	1.1445	-13.9125	-112.674	1
43053_3054	43053	3054	-29.9355	9.0945	0.384	1.458	-23.256	-352.107	1
43054_3054	43054	3054	-19.7175	5.3565	-0.0825	1.0905	-7.977	-186.126	1
43054_3055	43054	3055	-30.183	8.7555	-0.012	1.4235	-23.4135	-461.868	1
43055_3055	43055	3055	-19.8495	4.842	-0.0525	0.9225	-9.027	-253.274	1
43055_3056	43055	3056	-30.4005	7.968	0.0345	1.299	-23.0085	-561.975	1
43056_3056	43056	3056	-78.342	-2.397	-1.3905	-1.5825	84.0045	16.362	1
43056_3057	43056	3057	-17.0745	1.293	0.345	0.3225	-23.8905	180.8175	1
43057_3057	43057	3057	-78.3435	-2.397	-1.29	-1.4625	70.794	34.9335	1
43057_3058	43057	3058	-17.073	1.293	0.366	0.5355	-21.0525	169.8855	1
43058_3058	43058	3058	-78.3435	-2.397	-1.29	-1.4625	60.8055	53.5095	1
43058_3059	43058	3059	-17.073	1.293	0.366	0.5355	-18.2145	159.873	1
43059_3059	43059	3059	-78.3465	-3.168	-1.4655	-1.86	50.8185	72.0885	1
43059_3060	43059	3060	-17.0745	1.2285	0.1395	0.4695	-17.1015	150.042	1
43060_3060	43060	3060	-78.348	-3.168	-1.374	-1.7475	39.081	97.4595	1
43060_3061	43060	3061	-17.0745	1.2285	0.159	0.6435	-15.831	140.2215	1
43061_3061	43061	3061	-78.348	-3.168	-1.374	-1.7475	28.089	122.7945	1
43061_3062	43061	3062	-17.0745	1.2285	0.159	0.6435	-14.5605	130.4025	1
43062_3062	43062	3062	-78.3525	-4.233	-1.5765	-1.959	17.0985	148.131	1
43062_3063	43062	3063	-17.0745	1.221	0.177	0.6165	-13.5	123.0735	1
43063_3063	43063	3063	-78.3525	-4.233	-1.5765	-1.959	7.635	173.541	1
43063_3064	43063	3064	-17.0745	1.221	0.177	0.6165	-12.441	115.743	1
43064_3064	43064	3064	-78.3525	-4.233	-1.5765	-1.959	-1.8285	198.9525	1
43064_3065	43064	3065	-17.0745	1.221	0.177	0.6165	-11.3805	108.4125	1
43065_3065	43065	3065	-78.3555	-4.233	-1.455	-1.6095	-11.292	224.3655	1
43065_3066	43065	3066	-17.073	1.221	0.2025	0.786	-10.1625	101.094	1
43066_3066	43066	3066	-78.3555	-5.001	-1.4385	-2.0805	-20.0055	249.7305	1
43066_3067	43066	3067	-17.0745	1.221	0.1395	0.6705	-9.0495	91.326	1
43067_3067	43067	3067	-78.3555	-5.001	-1.4385	-2.0805	-31.521	289.77	1
43067_3068	43067	3068	-17.0745	1.221	0.1395	0.6705	-7.9365	81.555	1
43068_3068	43068	3068	-78.3585	-5.001	-1.2495	-1.2825	-43.035	329.8125	1
43068_3069	43068	3069	-17.0745	1.221	0.18	0.8685	-6.495	71.7975	1
43069_3069	43069	3069	-78.3585	-5.4255	-1.488	-2.0175	-53.0175	369.798	1
43069_3070	43069	3070	-17.0685	1.233	0.5775	0.651	-2.0145	62.241	1
43070_3070	43070	3070	-78.3615	-5.4255	-1.392	-1.518	-64.551	411.864	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43070_3071	43070	3071	-17.0685	1.233	0.5985	0.7275	2.6205	52.695	1
43071_3071	43071	3071	-78.363	-5.4255	-1.29	-1.0215	-75.3315	459.7845	1
43071_3072	43071	3072	-17.067	1.233	0.621	0.843	8.5215	42.264	1
43072_3072	43072	3072	-10.596	9.5625	0.2055	-2.4795	-48.804	1299.516	1
43072_3073	43072	3073	-29.118	-69.7185	0.372	-2.163	-46.9755	80.1495	1
43073_3073	43073	3073	-10.842	9.2835	0.2145	-0.336	-46.344	1179.368	1
43073_3074	43073	3074	-27.2925	-70.4535	0.39	-0.876	-42.1365	963.231	1
43074_3074	43074	3074	-11.1135	8.2335	0.039	-2.1525	-43.506	1063.082	1
43074_3075	43074	3075	-25.635	-66.165	-0.1725	-2.874	-47.2365	1304.877	1
43075_3075	43075	3075	-11.319	7.947	0.0585	0.549	-43.068	950.1435	1
43075_3076	43075	3076	-23.337	-47.9415	-0.12	0.309	-49.6575	1588.994	1
43076_3076	43076	3076	-11.4555	6.4215	0.1095	-1.71	-42.3405	856.7475	1
43076_3077	43076	3077	-22.503	-25.44	0.1425	-2.9865	-47.7	1644.099	1
43077_3077	43077	3077	-11.5095	6.324	0.132	0.297	-41.454	807.951	1
43077_3078	43077	3078	-22.311	-2.694	0.2025	0.8265	-44.0235	1661.967	1
43078_3078	43078	3078	-11.508	5.886	0.207	-0.048	-39.534	715.965	1
43078_3079	43078	3079	-22.3095	25.425	0.2295	-0.039	-41.4525	1376.447	1
43079_3079	43079	3079	-11.508	5.886	0.207	-0.048	-37.2165	649.845	1
43079_3080	43079	3080	-22.3095	25.425	0.2295	-0.039	-38.8815	1090.85	1
43080_3080	43080	3080	-11.508	5.55	0.162	0.042	-34.9005	583.7295	1
43080_3081	43080	3081	-22.311	16.4295	0.111	-0.1815	-37.641	906.0795	1
43081_3081	43081	3081	-11.508	5.55	0.171	0.4845	-33.084	521.3325	1
43081_3082	43081	3082	-22.311	16.4295	0.129	0.588	-36.1905	721.545	1
43082_3082	43082	3082	-11.508	5.4135	0.1815	0.363	-31.1595	458.997	1
43082_3083	43082	3083	-22.311	11.112	0.1155	0.1695	-34.794	587.376	1
43083_3083	43083	3083	-11.508	5.4135	0.1905	0.702	-28.971	393.6435	1
43083_3084	43083	3084	-22.311	11.112	0.135	0.678	-33.165	453.126	1
43084_3084	43084	3084	-11.508	5.4165	0.201	0.6075	-26.661	328.242	1
43084_3085	43084	3085	-22.311	8.6895	0.153	0.4815	-31.4475	355.557	1
43085_3085	43085	3085	-11.508	5.4165	0.2115	0.855	-24.405	267.411	1
43085_3086	43085	3086	-22.311	8.6895	0.174	0.8115	-29.4945	257.8995	1
43086_3086	43086	3086	-11.508	5.505	0.18	0.8055	-22.029	206.532	1
43086_3087	43086	3087	-22.311	7.9425	0.108	0.801	-28.2735	168.6435	1
43087_3087	43087	3087	-11.508	5.505	0.1905	0.9285	-20.007	144.669	1
43087_3088	43087	3088	-22.311	7.9425	0.1275	0.9465	-26.8395	79.464	1
43088_3088	43088	3088	-11.508	5.625	0.165	0.8745	-17.8755	82.8645	1
43088_3089	43088	3089	-22.311	8.043	0.09	0.9735	-25.578	-33.066	1
43089_3089	43089	3089	-11.556	5.526	0.1755	0.9795	-15.555	1.9785	1
43089_3090	43089	3090	-22.38	7.851	0.108	1.146	-24.672	-102.12	1
43090_3090	43090	3090	-11.652	5.5815	0.4605	0.789	-14.103	-43.647	1
43090_3091	43090	3091	-22.521	8.0595	0.4455	0.9255	-19.4235	-196.824	1
43091_3091	43091	3091	-11.787	5.2875	0.471	0.984	-8.673	-107.309	1
43091_3092	43091	3092	-22.7205	8.0415	0.468	1.365	-15.0135	-309.146	1
43092_3092	43092	3092	-11.934	5.241	-0.057	0.9435	-2.406	-177.449	1
43092_3093	43092	3093	-23.631	70.3455	-0.486	0.7545	-47.5335	66.9795	1
43093_3093	43093	3093	-12.0675	4.9275	-0.048	0.837	-3.1185	-243.176	1
43093_3094	43093	3094	-25.461	69.705	-0.4725	2.0475	-53.4285	-808.535	1
43094_3094	43094	3094	-77.664	-2.772	-1.2765	-1.5165	75.9855	-14.217	1
43094_3095	43094	3095	-18.5475	-1.008	-0.504	-0.7545	3.3075	62.0955	1
43095_3095	43095	3095	-77.667	-2.772	-1.113	-1.446	63.858	9.0195	1
43095_3096	43095	3096	-18.5475	-1.008	-0.465	-0.6045	-0.297	69.162	1
43096_3096	43096	3096	-77.667	-2.772	-1.11	-1.446	55.242	30.483	1
43096_3097	43096	3097	-18.5475	-1.008	-0.465	-0.603	-3.903	76.9785	1
43097_3097	43097	3097	-77.6685	-3.5055	-1.377	-1.7685	46.6365	51.9765	1
43097_3098	43097	3098	-18.5475	-1.008	-0.1725	-0.699	-5.289	85.047	1
43098_3098	43098	3098	-77.67	-3.5055	-1.2825	-1.671	35.6145	80.0355	1
43098_3099	43098	3099	-18.5475	-1.008	-0.15	-0.5955	-6.4935	93.1035	1
43099_3099	43099	3099	-77.6715	-3.5055	-1.2795	-1.668	25.3605	108.0585	1
43099_3100	43099	3100	-18.5475	-1.008	-0.15	-0.5925	-7.6935	101.1705	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43100_3100	43100	3100	-77.673	-4.5615	-1.2075	-1.0935	15.1155	136.1115	1
43100_3101	43100	3101	-18.5475	-0.984	-0.147	-0.147	-8.58	107.0775	1
43101_3101	43101	3101	-77.673	-4.5615	-1.2075	-1.0935	7.8675	163.4925	1
43101_3102	43101	3102	-18.5475	-0.984	-0.147	-0.147	-9.4665	112.986	1
43102_3102	43102	3102	-77.6595	-4.5615	-1.8585	-2.6925	0.621	190.857	1
43102_3103	43102	3103	-18.546	-0.984	-0.303	-1.0935	-11.283	118.881	1
43103_3103	43103	3103	-77.6625	-4.5615	-1.725	-2.3175	-10.518	218.202	1
43103_3104	43103	3104	-18.546	-0.984	-0.2715	-0.8895	-12.9105	124.7925	1
43104_3104	43104	3104	-77.6625	-5.3565	-1.4715	-1.9845	-20.8725	245.5875	1
43104_3105	43104	3105	-18.546	-0.966	-0.2235	-0.6135	-14.7045	132.5205	1
43105_3105	43105	3105	-77.664	-5.3565	-1.377	-1.635	-32.6505	288.4665	1
43105_3106	43105	3106	-18.546	-0.966	-0.201	-0.453	-16.3155	140.238	1
43106_3106	43106	3106	-77.6655	-5.3565	-1.374	-1.6215	-43.6635	331.2885	1
43106_3107	43106	3107	-18.546	-0.966	-0.201	-0.447	-17.925	147.966	1
43107_3107	43107	3107	-77.6685	-5.7735	-1.3785	-1.5525	-54.6645	374.169	1
43107_3108	43107	3108	-18.5475	-1.017	-0.3345	-0.4425	-20.5215	155.853	1
43108_3108	43108	3108	-77.6685	-5.7735	-1.3815	-1.5675	-65.3565	418.932	1
43108_3109	43108	3109	-18.5475	-1.017	-0.336	-0.4485	-23.121	163.7265	1
43109_3109	43109	3109	-77.67	-5.7735	-1.3005	-1.1475	-76.056	467.7795	1
43109_3110	43109	3110	-18.5475	-1.017	-0.3165	-0.2925	-26.1255	174.3825	1
43110_3110	43110	3110	-11.8515	-3.297	0.066	-0.504	-6.9705	-223.908	1
43110_3111	43110	3111	-29.541	-67.9245	0.5205	-2.121	-54.243	92.415	1
43111_3111	43111	3111	-11.7615	-3.6045	0.0855	-0.6375	-6.1245	-182.51	1
43111_3112	43111	3112	-27.8115	-61.5375	0.552	-0.7605	-49.551	624.7155	1
43112_3112	43112	3112	-11.6595	-3.69	-0.2565	-0.63	-5.067	-137.304	1
43112_3113	43112	3113	-26.565	-64.5795	-0.1185	-2.448	-52.6635	1268.609	1
43113_3113	43113	3113	-11.5635	-3.981	-0.2415	-0.486	-8.4825	-90.252	1
43113_3114	43113	3114	-24.5505	-7.155	-0.1905	-0.696	-26.115	-108.702	1
43114_3114	43114	3114	-11.493	-3.924	-0.057	-0.633	-11.3295	-43.479	1
43114_3115	43114	3115	-24.4215	-6.966	0.063	-0.933	-25.6035	-51.2145	1
43115_3115	43115	3115	-11.5065	6.7785	0.378	-0.264	-43.284	787.5915	1
43115_3116	43115	3116	-24.3615	-7.176	0.06	-0.7035	-24.7365	53.913	1
43116_3116	43116	3116	-11.505	6.1935	0.222	-0.4965	-37.794	689.2695	1
43116_3117	43116	3117	-24.3615	-7.002	0.0105	-0.705	-24.609	132.627	1
43117_3117	43117	3117	-11.505	6.1935	0.243	0.597	-35.298	619.638	1
43117_3118	43117	3118	-24.3615	-7.002	0.054	-0.471	-24.0015	211.272	1
43118_3118	43118	3118	-11.505	5.973	0.246	-0.066	-32.5755	550.0725	1
43118_3119	43118	3119	-24.3615	-7.827	0.009	-0.666	-23.9055	299.1975	1
43119_3119	43119	3119	-11.505	5.973	0.267	0.795	-29.8035	482.982	1
43119_3120	43119	3120	-24.3615	-7.827	0.0525	-0.1335	-23.3235	387.108	1
43120_3120	43120	3120	-11.505	5.8635	0.267	0.489	-26.8035	415.893	1
43120_3121	43120	3121	-24.36	-10.6095	0.018	-0.4215	-23.103	515.1525	1
43121_3121	43121	3121	-11.505	5.8635	0.276	0.7755	-23.5785	345.1035	1
43121_3122	43121	3122	-24.36	-10.6095	0.039	0.0045	-22.638	643.2255	1
43122_3122	43122	3122	-11.5035	5.874	0.27	0.711	-20.238	274.3155	1
43122_3123	43122	3123	-24.36	-16.8345	0.0315	-0.429	-22.2825	832.2945	1
43123_3123	43123	3123	-11.5035	5.874	0.2805	0.8985	-17.2065	208.3395	1
43123_3124	43123	3124	-24.36	-16.8345	0.054	0.3195	-21.681	1021.53	1
43124_3124	43124	3124	-11.5035	5.958	0.246	0.816	-14.055	142.305	1
43124_3125	43124	3125	-24.36	-27.576	-0.1065	-1.02	-22.875	1331.231	1
43125_3125	43125	3125	-11.5035	5.958	0.267	0.951	-11.292	75.3915	1
43125_3126	43125	3126	-24.36	-15.0555	-0.063	1.3515	-23.5815	1500.308	1
43126_3126	43126	3126	-11.5035	6.0945	0.306	0.9105	-8.2995	8.4825	1
43126_3127	43126	3127	-24.363	11.3325	-0.0615	-0.2115	-24.4245	1343.67	1
43127_3127	43127	3127	-11.553	5.997	0.3195	0.7725	-4.0605	-78.684	1
43127_3128	43127	3128	-24.5865	26.3565	-0.0315	1.59	-24.678	1119.854	1
43128_3128	43128	3128	-11.6565	6.147	0.387	0.96	-1.404	-128.156	1
43128_3129	43128	3129	-25.485	48.111	-0.0795	-0.144	-25.9035	705.234	1
43129_3129	43129	3129	-11.8095	5.847	0.411	0.5925	3.159	-196.707	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43129_3130	43129	3130	-27.7245	66.39	-0.0285	2.1975	-25.9215	106.9875	1
43130_3130	43130	3130	-11.973	5.934	0.3225	1.062	9.0915	-280.739	1
43130_3131	43130	3131	-29.199	67.974	0.741	0.8865	-16.2585	-337.22	1
43131_3131	43131	3131	-12.162	5.532	0.33	0.3825	13.131	-355.121	1
43131_3132	43131	3132	-31.5345	69.9495	0.768	1.2105	-6.8655	-1055.86	1
43132_3132	43132	3132	-86.373	0.5025	1.044	-0.243	17.115	155.4945	1
43132_3133	43132	3133	-20.9445	-0.1845	0.18	-0.0615	-9.0615	114.4515	1
43133_3133	43133	3133	-86.373	0.5025	0.933	-0.6375	27.873	131.6925	1
43133_3134	43133	3134	-20.9445	-0.1845	0.153	-0.2415	-7.8765	111.363	1
43134_3134	43134	3134	-86.379	0.5025	-0.066	-2.115	35.1045	127.782	1
43134_3135	43134	3135	-20.9445	-0.1845	-0.09	-1.53	-8.5725	112.7865	1
43135_3135	43135	3135	-86.355	-1.404	-1.1925	-1.2675	34.593	123.891	1
43135_3136	43135	3136	-20.9445	-0.1425	-0.1965	-0.5385	-10.146	113.94	1
43136_3136	43136	3136	-86.355	-1.404	-1.1925	-1.2675	25.053	135.129	1
43136_3137	43136	3137	-20.9445	-0.1425	-0.1965	-0.5385	-11.7195	115.077	1
43137_3137	43137	3137	-86.3565	-1.404	-1.086	-1.0875	15.513	146.37	1
43137_3138	43137	3138	-20.9445	-0.1425	-0.171	-0.3975	-13.0845	116.214	1
43138_3138	43138	3138	-86.358	-2.3715	-0.9735	-1.2885	6.834	157.584	1
43138_3139	43138	3139	-20.946	-0.123	-0.054	-0.45	-13.407	116.9535	1
43139_3139	43139	3139	-86.358	-2.3715	-0.9735	-1.2885	0.9945	171.8175	1
43139_3140	43139	3140	-20.946	-0.123	-0.054	-0.45	-13.7295	117.693	1
43140_3140	43140	3140	-86.3595	-2.3715	-0.8295	-0.978	-4.8435	186.0525	1
43140_3141	43140	3141	-20.946	-0.123	-0.0195	-0.2535	-13.8435	118.4325	1
43141_3141	43141	3141	-86.358	-2.3715	-0.9735	-1.3125	-9.819	200.2845	1
43141_3142	43141	3142	-20.946	-0.123	-0.054	-0.4515	-14.166	119.1705	1
43142_3142	43142	3142	-86.358	-3.054	-0.909	-1.203	-15.657	214.512	1
43142_3143	43142	3143	-20.946	-0.1455	-0.075	-0.3795	-14.76	120.3405	1
43143_3143	43143	3143	-86.3595	-3.054	-0.801	-0.9045	-22.9335	238.947	1
43143_3144	43143	3144	-20.946	-0.1455	-0.048	-0.228	-15.1455	121.5105	1
43144_3144	43144	3144	-86.358	-3.054	-0.909	-1.233	-29.346	263.379	1
43144_3145	43144	3145	-20.946	-0.1455	-0.075	-0.381	-15.741	122.679	1
43145_3145	43145	3145	-86.361	-3.294	-0.7275	-0.6915	-36.621	287.8185	1
43145_3146	43145	3146	-20.9445	-0.18	-0.171	-0.177	-17.061	124.077	1
43146_3146	43146	3146	-86.3595	-3.294	-0.8385	-1.095	-42.2625	313.3515	1
43146_3147	43146	3147	-20.9445	-0.18	-0.198	-0.3375	-18.591	125.4735	1
43147_3147	43147	3147	-86.361	-3.294	-0.7545	-0.903	-48.7665	355.1685	1
43147_3148	43147	3148	-20.9445	-0.18	-0.177	-0.2475	-20.2695	131.1345	1
43148_3148	43148	3148	-24.9555	-3.981	-0.018	-0.465	0.75	-350.243	1
43148_3149	43148	3149	-49.416	-49.446	0.2835	-1.1955	-32.6805	-602.687	1
43149_3149	43149	3149	-24.8415	-4.6335	-0.018	-0.483	0.516	-300.257	1
43149_3150	43149	3150	-48.108	-48.8085	0.267	-0.3465	-29.478	-32.4765	1
43150_3150	43150	3150	-25.017	9.372	0.075	-0.7095	-33.4605	944.097	1
43150_3151	43150	3151	-47.19	-52.374	-0.0945	-0.951	-31.17	553.2195	1
43151_3151	43151	3151	-25.2465	8.733	0.066	-0.168	-32.469	811.5075	1
43151_3152	43151	3152	-45.843	-53.5575	-0.1095	-0.3	-32.4675	1168.371	1
43152_3152	43152	3152	-25.3935	7.3485	0.225	-0.165	-31.6785	708.8475	1
43152_3153	43152	3153	-45.111	-58.8015	0.1575	-0.3075	-30.489	1306.778	1
43153_3153	43153	3153	-25.455	7.1355	0.219	-0.1035	-29.8215	645.2655	1
43153_3154	43153	3154	-44.616	-3.9795	0.147	-0.4005	-28.4745	1356.303	1
43154_3154	43154	3154	-25.4535	6.6495	0.165	-0.045	-26.817	547.218	1
43154_3155	43154	3155	-44.616	-20.0445	0.18	-0.762	-26.496	1576.821	1
43155_3155	43155	3155	-25.4535	6.6495	0.1875	0.387	-25.008	474.0675	1
43155_3156	43155	3156	-44.616	8.7795	0.2205	0.672	-24.0705	1480.235	1
43156_3156	43156	3156	-25.4535	6.4815	0.165	0.3975	-22.944	400.9215	1
43156_3157	43156	3157	-44.6145	22.3035	0.1035	0.231	-23.04	1256.946	1
43157_3157	43157	3157	-25.4535	6.4815	0.165	0.3975	-21.2955	336.0405	1
43157_3158	43157	3158	-44.6145	33.684	0.1035	0.231	-22.008	919.728	1
43158_3158	43158	3158	-25.4535	6.429	0.177	0.534	-19.6455	271.161	1
43158_3159	43158	3159	-44.613	23.2785	0.0435	0.372	-21.5745	686.589	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43159_3159	43159	3159	-25.4535	6.429	0.177	0.537	-17.874	206.805	1
43159_3160	43159	3160	-44.613	23.2785	0.0435	0.384	-21.132	453.3135	1
43160_3160	43160	3160	-25.4535	6.489	0.1395	0.5805	-16.0965	142.3845	1
43160_3161	43160	3161	-44.613	17.3505	-0.0465	0.348	-21.6465	262.6635	1
43161_3161	43161	3161	-25.4535	6.489	0.1635	0.6465	-14.5575	71.052	1
43161_3162	43161	3162	-44.613	17.3505	-0.006	0.591	-21.7065	71.778	1
43162_3162	43162	3162	-25.4565	6.6525	0.2745	0.555	-12.7575	-0.345	1
43162_3163	43162	3163	-44.6145	14.841	0.057	0.453	-20.934	-132.324	1
43163_3163	43163	3163	-25.5105	6.441	0.2505	0.735	-8.97	-90.3315	1
43163_3164	43163	3164	-44.913	59.238	-0.195	-0.3405	-33.504	798.132	1
43164_3164	43164	3164	-25.617	6.3645	0.3465	0.4305	-6.9075	-143.417	1
43164_3165	43164	3165	-45.669	54.456	0.1755	0.3495	-32.3835	504.684	1
43165_3165	43165	3165	-25.7685	5.718	0.333	0.705	-2.808	-211.472	1
43165_3166	43165	3166	-47.0235	53.289	0.1515	0.9375	-30.363	-190.589	1
43166_3166	43166	3166	-25.9125	5.277	-0.033	0.552	1.623	-287.336	1
43166_3167	43166	3167	-47.997	52.116	-0.333	0.384	-33.8625	-668.381	1
43167_3167	43167	3167	-26.0415	4.6005	-0.033	0.5205	1.2225	-353.493	1
43167_3168	43167	3168	-49.3395	50.847	-0.333	1.2675	-38.0205	-1307.25	1
43168_3168	43168	3168	-83.034	2.8695	0.702	0.6645	-53.94	338.3805	1
43168_3169	43168	3169	-18.2625	0.33	0.1635	0.162	-16.875	106.8405	1
43169_3169	43169	3169	-83.0325	2.8695	0.8145	0.9075	-47.2725	292.776	1
43169_3170	43169	3170	-18.2625	0.33	0.189	0.264	-15.411	100.2435	1
43170_3170	43170	3170	-83.0325	2.8695	0.8145	0.9075	-40.959	270.5385	1
43170_3171	43170	3171	-18.2625	0.33	0.189	0.264	-13.947	97.6815	1
43171_3171	43171	3171	-83.037	2.685	0.891	1.0185	-34.647	248.3085	1
43171_3172	43171	3172	-18.261	0.309	0.0945	0.2955	-13.188	95.2185	1
43172_3172	43172	3172	-83.037	2.685	0.8925	1.023	-27.5265	226.851	1
43172_3173	43172	3173	-18.261	0.309	0.0945	0.297	-12.4275	92.751	1
43173_3173	43173	3173	-83.037	2.685	0.8925	1.023	-20.3835	205.3665	1
43173_3174	43173	3174	-18.261	0.309	0.0945	0.297	-11.6655	90.2835	1
43174_3174	43174	3174	-83.037	2.0745	1.0965	1.218	-13.2405	183.873	1
43174_3175	43174	3175	-18.261	0.306	0.12	0.426	-10.9425	88.446	1
43175_3175	43175	3175	-83.04	2.0745	0.9585	0.9315	-6.657	171.4275	1
43175_3176	43175	3176	-18.261	0.306	0.09	0.2775	-10.404	86.6085	1
43176_3176	43176	3176	-83.037	2.0745	1.0965	1.197	-0.903	158.9775	1
43176_3177	43176	3177	-18.261	0.306	0.12	0.423	-9.681	84.771	1
43177_3177	43177	3177	-83.04	2.0745	0.9585	0.9525	5.6805	146.5305	1
43177_3178	43177	3178	-18.261	0.306	0.09	0.282	-9.141	82.9335	1
43178_3178	43178	3178	-83.0355	1.1055	0.75	0.9495	11.4345	134.0805	1
43178_3179	43178	3179	-18.261	0.303	0.0615	0.3825	-8.643	80.511	1
43179_3179	43179	3179	-83.0355	1.1055	0.75	0.9495	17.436	125.241	1
43179_3180	43179	3180	-18.261	0.303	0.0615	0.3825	-8.1465	78.087	1
43180_3180	43180	3180	-83.034	1.1055	0.8535	1.095	23.436	116.4015	1
43180_3181	43180	3181	-18.261	0.303	0.0855	0.48	-7.467	75.663	1
43181_3181	43181	3181	-83.0265	0.246	0.573	0.705	30.267	107.5635	1
43181_3182	43181	3182	-18.2655	0.312	0.315	0.39	-5.028	73.2525	1
43182_3182	43182	3182	-83.025	0.246	0.681	0.8445	34.6995	105.6645	1
43182_3183	43182	3183	-18.264	0.312	0.339	0.486	-2.4015	70.8375	1
43183_3183	43183	3183	-83.025	0.246	0.6555	0.9285	39.9825	118.494	1
43183_3184	43183	3184	-18.2655	0.312	0.333	0.5235	0.765	71.118	1
43184_3184	43184	3184	-13.7775	-5.472	-0.0675	-0.5655	4.014	-356.477	1
43184_3185	43184	3185	-38.1195	-59.1615	0.3	-1.2585	-32.2215	-592.976	1
43185_3185	43185	3185	-13.6305	-5.8275	-0.0675	-0.648	3.15	-287.73	1
43185_3186	43185	3186	-36.5685	-60.132	0.3	-0.42	-28.479	160.803	1
43186_3186	43186	3186	-13.464	-5.913	-0.483	-0.7695	2.2905	-214.676	1
43186_3187	43186	3187	-35.3685	-60.0705	-0.3555	-1.0635	-33.9465	716.2875	1
43187_3187	43187	3187	-13.311	7.068	-0.018	-0.15	-32.283	704.868	1
43187_3188	43187	3188	-33.7875	-57.2205	-0.336	-0.3375	-37.9125	1222.059	1
43188_3188	43188	3188	-13.431	5.88	0.15	-0.273	-32.4855	621.7695	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43188_3189	43188	3189	-32.85	-53.796	0.0465	-0.423	-37.3395	1506.885	1
43189_3189	43189	3189	-13.479	5.7705	0.147	-0.1875	-31.248	570.924	1
43189_3190	43189	3190	-32.421	-14.394	0.0525	-0.465	-36.6885	1530.831	1
43190_3190	43190	3190	-13.4775	5.265	0.117	0.0255	-29.2305	491.6355	1
43190_3191	43190	3191	-32.4225	-13.8045	0.1065	-0.159	-35.52	1682.717	1
43191_3191	43191	3191	-13.4775	5.265	0.117	0.0255	-27.9435	433.7115	1
43191_3192	43191	3192	-32.4225	26.3715	0.1065	-0.159	-34.3515	1392.59	1
43192_3192	43192	3192	-13.4775	5.0385	0.129	0.2955	-26.655	375.789	1
43192_3193	43192	3193	-32.421	27.612	0.0735	0.2025	-33.6105	1114.496	1
43193_3193	43193	3193	-13.4775	5.0385	0.129	0.2955	-25.3545	325.044	1
43193_3194	43193	3194	-32.421	27.618	0.0735	0.2025	-32.8695	836.3445	1
43194_3194	43194	3194	-13.4775	4.9665	0.099	0.483	-24.0555	274.3035	1
43194_3195	43194	3195	-32.4195	19.6065	-0.0645	0.3825	-33.5175	638.8845	1
43195_3195	43195	3195	-13.4775	4.9665	0.099	0.483	-23.0595	224.283	1
43195_3196	43195	3196	-32.4195	19.6065	-0.0645	0.3825	-34.1655	441.423	1
43196_3196	43196	3196	-13.479	5.001	0.132	0.666	-22.0635	174.2625	1
43196_3197	43196	3197	-32.418	14.9715	-0.129	0.6615	-35.5875	276.915	1
43197_3197	43197	3197	-13.479	5.001	0.12	0.5595	-20.6145	119.2995	1
43197_3198	43197	3198	-32.418	14.9715	-0.159	0.414	-37.329	112.209	1
43198_3198	43198	3198	-13.4805	5.1465	0.198	0.6135	-19.296	64.2855	1
43198_3199	43198	3199	-32.4195	13.062	-0.069	0.6	-38.2725	-67.425	1
43199_3199	43199	3199	-13.521	5.037	0.201	0.792	-16.575	-3.4875	1
43199_3200	43199	3200	-32.5245	12.7995	-0.06	0.8805	-38.7675	-165.837	1
43200_3200	43200	3200	-13.605	5.067	0.282	0.54	-14.9175	-45.0585	1
43200_3201	43200	3201	-32.7135	11.9925	0.0915	0.477	-37.7055	-306.708	1
43201_3201	43201	3201	-13.7265	4.728	0.2865	0.885	-11.5845	-100.227	1
43201_3202	43201	3202	-33.8535	60.111	0.1155	1.9215	-57.537	31.563	1
43202_3202	43202	3202	-13.8435	4.5855	-0.0495	0.684	-7.788	-162.966	1
43202_3203	43202	3203	-34.9365	56.028	-0.4875	0.7755	-63.2115	-600.959	1
43203_3203	43203	3203	-13.956	4.23	-0.0495	0.8985	-8.385	-220.44	1
43203_3204	43203	3204	-36.3555	55.1175	-0.4875	2.3895	-69.294	-1293.35	1
43204_3204	43204	3204	-81.5715	4.386	1.3995	1.62	-94.3695	447.1455	1
43204_3205	43204	3205	-19.3515	1.0335	0.375	0.4875	-27.879	144.3555	1
43205_3205	43205	3205	-81.5715	4.386	1.3185	0.8355	-81.072	381.681	1
43205_3206	43205	3206	-19.3515	1.0335	0.3555	0.2415	-25.1205	130.6995	1
43206_3206	43206	3206	-81.57	4.386	1.425	1.284	-70.8465	347.682	1
43206_3207	43206	3207	-19.3515	1.0335	0.381	0.411	-22.1685	122.6865	1
43207_3207	43207	3207	-81.5805	4.173	1.6425	1.593	-59.8065	313.7025	1
43207_3208	43207	3208	-19.3515	1.008	0.3345	0.501	-19.4925	114.627	1
43208_3208	43208	3208	-81.5805	4.173	1.641	1.587	-46.659	280.3125	1
43208_3209	43208	3209	-19.3515	1.008	0.3345	0.498	-16.824	106.572	1
43209_3209	43209	3209	-81.579	4.173	1.7445	1.9005	-33.54	246.963	1
43209_3210	43209	3210	-19.3515	1.008	0.3585	0.633	-13.9545	98.508	1
43210_3210	43210	3210	-81.5805	3.6705	1.596	1.7055	-19.578	213.576	1
43210_3211	43210	3211	-19.3515	1.014	0.3015	0.5805	-12.1425	92.424	1
43211_3211	43211	3211	-81.5805	3.6705	1.596	1.7055	-9.996	191.553	1
43211_3212	43211	3212	-19.3515	1.014	0.3015	0.5805	-10.3305	86.3355	1
43212_3212	43212	3212	-81.5775	3.6705	1.7325	1.9875	-0.4155	169.527	1
43212_3213	43212	3213	-19.35	1.014	0.3345	0.7245	-8.325	80.247	1
43213_3213	43213	3213	-81.5805	3.6705	1.596	1.7415	9.981	147.507	1
43213_3214	43213	3214	-19.3515	1.014	0.3015	0.591	-6.513	74.1615	1
43214_3214	43214	3214	-81.5745	2.8725	1.578	1.764	19.5615	125.475	1
43214_3215	43214	3215	-19.35	1.011	0.351	0.7455	-3.708	66.0735	1
43215_3215	43215	3215	-81.576	2.8725	1.476	1.6365	32.19	102.489	1
43215_3216	43215	3216	-19.3515	1.011	0.327	0.663	-1.0965	57.987	1
43216_3216	43216	3216	-81.576	2.8725	1.476	1.6365	44.0025	79.5015	1
43216_3217	43216	3217	-19.3515	1.011	0.327	0.663	1.5135	49.9005	1
43217_3217	43217	3217	-81.5595	2.2275	1.1415	1.2465	55.815	56.502	1
43217_3218	43217	3218	-19.353	1.029	0.423	0.663	4.788	41.9175	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43218_3218	43218	3218	-81.561	2.2275	1.0365	1.1955	64.665	39.2415	1
43218_3219	43218	3219	-19.353	1.029	0.3975	0.609	7.8705	33.9375	1
43219_3219	43219	3219	-81.5565	2.2275	1.3725	1.6125	72.699	41.394	1
43219_3220	43219	3220	-19.3515	1.029	0.477	0.8625	12.402	28.7715	1
43220_3220	43220	3220	-13.587	-5.7585	-0.1095	-0.7755	-9.0555	-301.761	1
43220_3221	43220	3221	-35.607	-57.609	0.4245	-1.602	-60.2175	-574.167	1
43221_3221	43221	3221	-13.437	-6.102	-0.069	-1.2435	-10.3995	-229.427	1
43221_3222	43221	3222	-34.1625	-53.421	0.447	-2.052	-55.1115	-25.065	1
43222_3222	43222	3222	-13.2705	-6.1455	-0.54	-1.0395	-11.2815	-152.943	1
43222_3223	43222	3223	-33.1005	-57.6735	-0.27	-4.077	-58.9185	692.6175	1
43223_3223	43223	3223	-13.1175	-6.471	-0.4725	-0.8025	-18.459	-75.6405	1
43223_3224	43223	3224	-31.701	-53.3205	-0.081	0.447	-60.7215	1100.456	1
43224_3224	43224	3224	-13.017	-6.489	-0.291	-1.2	-24.0165	0.417	1
43224_3225	43224	3225	-30.966	-63.795	0.0225	-6.3555	-60.456	1626.806	1
43225_3225	43225	3225	-12.966	-6.5925	-0.231	-0.7365	-26.43	53.868	1
43225_3226	43225	3226	-30.456	-8.8395	0.165	1.698	-57.876	1767.435	1
43226_3226	43226	3226	-12.966	-6.552	-0.249	-1.2885	-30.1125	158.8905	1
43226_3227	43226	3227	-30.456	-22.3875	0.168	-4.605	-55.845	2038.118	1
43227_3227	43227	3227	-12.9675	-6.552	-0.195	-0.3	-33.126	238.173	1
43227_3228	43227	3228	-30.4545	23.832	0.294	3.8475	-52.2885	1749.932	1
43228_3228	43228	3228	-12.9645	-6.7365	-0.282	-1.3845	-35.4885	317.349	1
43228_3229	43228	3229	-30.4455	29.685	0.096	-2.571	-51.123	1390.746	1
43229_3229	43229	3229	-12.966	-6.7365	-0.228	0.264	-38.9025	398.811	1
43229_3230	43229	3230	-30.4455	34.107	0.222	3.177	-48.435	978.24	1
43230_3230	43230	3230	-12.9645	-7.1565	-0.2475	-1.4655	-41.6685	480.1725	1
43230_3231	43230	3231	-30.432	25.9875	-0.057	-0.699	-49.125	659.241	1
43231_3231	43231	3231	-12.966	-7.1565	-0.195	0.864	-44.7075	567.957	1
43231_3232	43231	3232	-30.432	25.9875	0.069	2.0055	-48.285	340.6965	1
43232_3232	43232	3232	-12.966	-7.956	-0.126	-1.212	-47.0925	655.524	1
43232_3233	43232	3233	-30.4245	21.795	-0.024	0.723	-48.4695	169.8345	1
43233_3233	43233	3233	-12.966	-7.956	-0.1185	-0.7725	-48.084	717.8655	1
43233_3234	43233	3234	-30.4245	21.795	-0.0045	0.8265	-48.507	7.3425	1
43234_3234	43234	3234	-12.903	-7.935	-0.0735	1.7775	-46.959	761.6715	1
43234_3235	43234	3235	-30.5985	21.549	0.081	1.2375	-47.778	-183.752	1
43235_3235	43235	3235	-12.774	-9.108	-0.5475	-2.016	-47.667	831.78	1
43235_3236	43235	3236	-30.882	54.306	-1.032	0.3525	-62.736	349.053	1
43236_3236	43236	3236	-12.696	-9.2175	-0.531	-0.4665	-50.8605	885.219	1
43236_3237	43236	3237	-31.392	60.015	-1.161	1.1895	-68.994	265.032	1
43237_3237	43237	3237	-12.546	-9.423	-0.4935	2.904	-53.5485	939.237	1
43237_3238	43237	3238	-32.3805	64.836	-1.2165	3.0045	-81.471	-154.043	1
43238_3238	43238	3238	-12.213	-13.29	0.786	-1.17	-58.6965	1032.204	1
43238_3239	43238	3239	-32.5455	45.984	1.1865	1.3965	-69.3765	-627.351	1
43239_3239	43239	3239	-11.94	-13.533	0.816	2.577	-50.394	1169.018	1
43239_3240	43239	3240	-33.4635	45.318	1.257	1.332	-55.8975	-1116.44	1
43240_3240	43240	3240	-11.019	-19.0605	-0.999	4.29	-41.433	1314.816	1
43240_3241	43240	3241	-33.147	33.4095	1.5765	3.5655	-44.1345	-1361.93	1
43241_3241	43241	3241	-90.573	7.3605	-1.017	-0.573	-76.632	568.197	1
43241_3242	43241	3242	-22.464	-1.2525	0.3795	0.099	8.844	57.2835	1
43242_3242	43242	3242	-90.576	7.3605	-0.693	1.2615	-86.2905	491.5275	1
43242_3243	43242	3243	-22.4625	-1.2525	0.459	0.2685	12.369	65.2185	1
43243_3243	43243	3243	-90.7425	5.088	2.1255	0.9105	-91.608	434.9385	1
43243_3244	43243	3244	-22.3635	-1.3155	-1.0035	-0.924	2.8185	77.652	1
43244_3244	43244	3244	-90.738	5.088	2.325	1.755	-71.3685	386.493	1
43244_3245	43244	3245	-22.3665	-1.3155	-0.954	-0.7545	-6.8235	90.9405	1
43245_3245	43245	3245	-90.6705	4.908	1.578	1.0065	-47.8845	334.9755	1
43245_3246	43245	3246	-22.3935	-1.3905	-0.4695	-1.0395	-11.499	104.733	1
43246_3246	43246	3246	-90.6645	4.908	1.944	2.1585	-32.19	286.1595	1
43246_3247	43246	3247	-22.395	-1.3905	-0.3795	-0.618	-15.177	118.188	1
43247_3247	43247	3247	-90.606	4.635	1.065	1.392	-13.3845	238.596	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43247_3248	43247	3248	-22.401	-1.416	-0.225	-1.0275	-17.2455	131.169	1
43248_3248	43248	3248	-90.6015	4.635	1.3695	2.0535	-3.603	196.014	1
43248_3249	43248	3249	-22.4025	-1.416	-0.15	-0.5865	-18.807	145.95	1
43249_3249	43249	3249	-90.528	4.5675	0.0645	1.7145	10.6905	147.6225	1
43249_3250	43249	3250	-22.4055	-1.446	-0.0225	-0.945	-19.0425	160.7055	1
43250_3250	43250	3250	-90.528	4.5675	0.33	2.0085	11.3505	100.9215	1
43250_3251	43250	3251	-22.4055	-1.446	0.042	-0.474	-18.642	174.309	1
43251_3251	43251	3251	-90.7155	7.005	5.286	1.4955	14.448	57.9135	1
43251_3252	43251	3252	-22.3785	-1.4925	-0.5415	-1.107	-23.193	186.81	1
43252_3252	43252	3252	-90.6975	7.005	5.589	1.4925	58.8705	-0.9525	1
43252_3253	43252	3253	-22.38	-1.4925	-0.4665	-0.4845	-27.126	199.392	1
43253_3253	43253	3253	-90.69	7.005	5.7045	1.47	105.963	-59.109	1
43253_3254	43253	3254	-22.3815	-1.4925	-0.438	-0.2355	-30.486	211.047	1
43254_3254	43254	3254	-90.3315	19.203	-4.6395	-13.101	149.676	-113.253	1
43254_3255	43254	3255	-22.41	-1.737	0.48	0.192	-28.9215	216.7155	1
43255_3255	43255	3255	-19.2345	-5.583	1.179	-1.56	-10.719	-317.331	1
43255_3256	43255	3256	-36.3015	-40.695	6.0675	-4.1205	-36.4215	-1009.45	1
43256_3256	43256	3256	-19.0365	-6.21	1.2375	-2.4255	1.3845	-260.052	1
43256_3257	43256	3257	-35.2335	-18.1365	4.17	-5.6505	12.5295	-770.564	1
43257_3257	43257	3257	-18.8175	-5.9025	-1.521	-0.891	11.3685	-209.16	1
43257_3258	43257	3258	-34.9695	-22.7235	-2.721	-1.026	-14.73	-545.892	1
43258_3258	43258	3258	-18.7215	-6.21	-1.482	-1.1565	-3.6645	-150.845	1
43258_3259	43258	3259	-34.599	-23.2935	-2.6475	-1.9635	-37.5075	-345.225	1
43259_3259	43259	3259	-18.6375	-6.4695	-1.425	-0.6195	-16.4535	-105.246	1
43259_3260	43259	3260	-34.3065	-21.5535	-2.52	-1.398	-44.97	-294.257	1
43260_3260	43260	3260	-18.678	-6.315	-0.1905	-1.0395	-20.946	-84.762	1
43260_3261	43260	3261	-34.143	-22.791	-0.246	-1.9785	-46.8045	-124.46	1
43261_3261	43261	3261	-18.5985	-6.5475	-0.1515	-0.8385	-22.386	-37.4325	1
43261_3262	43261	3262	-33.882	-20.6655	-0.144	-1.548	-46.962	46.7625	1
43262_3262	43262	3262	-18.5445	-6.702	-0.0885	-0.567	-23.8065	25.224	1
43262_3263	43262	3263	-33.7095	-20.946	-0.0285	-1.0005	-47.1915	209.8485	1
43263_3263	43263	3263	-18.5385	-6.6465	-0.5025	-1.0425	-24.48	76.5525	1
43263_3264	43263	3264	-33.7035	-23.883	-0.48	-2.262	-52.596	478.932	1
43264_3264	43264	3264	-18.54	-6.6465	-0.4545	-0.6555	-30.135	151.4355	1
43264_3265	43264	3265	-33.705	-23.883	-0.393	-1.038	-57.234	760.362	1
43265_3265	43265	3265	-18.5415	-6.711	-0.336	-1.311	-35.49	229.749	1
43265_3266	43265	3266	-33.705	-29.2695	-0.381	-3.507	-61.668	1100.432	1
43266_3266	43266	3266	-18.543	-6.711	-0.2655	-0.147	-39.387	307.719	1
43266_3267	43266	3267	-33.7065	-29.2695	-0.2535	0.654	-64.5735	1435.053	1
43267_3267	43267	3267	-18.5445	-6.9825	-0.381	-1.2645	-42.4215	384.441	1
43267_3268	43267	3268	-33.7095	-37.599	-0.5145	-3.615	-70.5435	1871.502	1
43268_3268	43268	3268	-18.546	-6.9825	-0.3285	0.039	-46.839	465.504	1
43268_3269	43268	3269	-33.711	-10.074	-0.42	1.623	-75.3465	1986.767	1
43269_3269	43269	3269	-18.549	-7.473	-0.4275	-1.623	-50.5995	545.43	1
43269_3270	43269	3270	-33.7095	7.614	-0.087	-3.534	-76.413	1893.965	1
43270_3270	43270	3270	-18.5505	-7.473	-0.3555	0.807	-55.8075	636.6315	1
43270_3271	43270	3271	-33.7095	7.614	0.042	3.693	-75.9135	1801.902	1
43271_3271	43271	3271	-18.546	-8.1255	0.3825	-2.8155	-60.1125	727.023	1
43271_3272	43271	3272	-33.72	55.287	-0.582	-2.9655	-79.9515	1418.85	1
43272_3272	43272	3272	-18.474	-8.2875	0.4245	-0.48	-57.471	784.239	1
43272_3273	43272	3273	-34.32	69.231	-0.519	1.047	-84.6075	885.489	1
43273_3273	43273	3273	-18.3555	-8.5425	0.483	2.9595	-53.4	862.467	1
43273_3274	43273	3274	-35.2995	70.326	-0.426	5.115	-87.8505	386.3355	1
43274_3274	43274	3274	-18.1425	-12.363	2.013	-2.8185	-49.5885	932.9385	1
43274_3275	43274	3275	-35.169	52.2225	3.4245	-0.9075	-79.77	429.42	1
43275_3275	43275	3275	-17.9985	-12.5685	2.0295	-1.011	-44.877	966.159	1
43275_3276	43275	3276	-35.757	51.819	3.453	1.188	-49.803	-11.667	1
43276_3276	43276	3276	-17.796	-12.846	2.082	2.5155	-27.1245	1075.091	1
43276_3277	43276	3277	-36.5655	53.382	3.5385	2.0895	-18.6405	-377.249	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43277_3277	43277	3277	-17.3475	-16.9935	-3.0705	2.7255	-8.9385	1187.006	1
43277_3278	43277	3278	-36.7365	41.3265	-2.658	6.45	-46.038	-808.788	1
43278_3278	43278	3278	-16.8405	-17.502	-3.0315	6.855	-40.5915	1364.406	1
43278_3279	43278	3279	-38.025	44.2545	-2.4945	6.342	-68.5575	-1078.56	1
43279_3279	43279	3279	-95.7855	10.374	-0.6855	-15.375	-81.4845	623.961	1
43279_3280	43279	3280	-22.206	-0.6345	1.3635	8.436	50.1615	40.3215	1
43280_3280	43280	3280	-95.775	8.0715	0.6765	-0.813	-84.3135	581.0625	1
43280_3281	43280	3281	-22.23	-1.338	-1.7865	-1.1115	38.952	48.786	1
43281_3281	43281	3281	-95.7735	8.0715	0.9825	0.7725	-80.0715	519.798	1
43281_3282	43281	3282	-22.236	-1.338	-1.716	-0.765	22.3875	59.238	1
43282_3282	43282	3282	-95.769	8.0715	1.266	2.082	-70.59	441.882	1
43282_3283	43282	3283	-22.2405	-1.338	-1.65	-0.5895	8.595	70.4265	1
43283_3283	43283	3283	-95.7555	7.815	2.8635	0.0345	-60.006	424.086	1
43283_3284	43283	3284	-22.236	-1.4565	-0.669	-0.714	0.333	99.9705	1
43284_3284	43284	3284	-95.7435	7.815	3.2325	1.296	-24.597	327.474	1
43284_3285	43284	3285	-22.239	-1.4565	-0.582	-0.3285	-6.6165	117.345	1
43285_3285	43285	3285	-95.766	7.2915	-0.396	0.5145	13.9485	234.2985	1
43285_3286	43285	3286	-22.236	-1.737	-0.015	-0.7665	-6.7845	137.9115	1
43286_3286	43286	3286	-95.7675	7.2915	0.015	1.149	9.2595	147.96	1
43286_3287	43286	3287	-22.236	-1.737	0.081	-0.1755	-5.94	155.997	1
43287_3287	43287	3287	-95.778	9.219	0.996	0.7905	9.4095	71.9865	1
43287_3288	43287	3288	-22.2255	-1.818	-0.4635	-0.7065	-11.172	176.5215	1
43288_3288	43288	3288	-95.775	9.219	1.3215	0.6825	20.6565	-32.145	1
43288_3289	43288	3289	-22.227	-1.818	-0.387	-0.108	-15.4125	196.407	1
43289_3289	43289	3289	-95.781	13.3395	0.6165	1.35	35.103	-132.995	1
43289_3290	43289	3290	-22.2255	-1.9005	-0.102	-0.858	-16.26	212.3175	1
43290_3290	43290	3290	-95.7795	13.3395	0.825	0.816	40.2585	-244.572	1
43290_3291	43290	3291	-22.2255	-1.9005	-0.0525	-0.3945	-16.6755	227.25	1
43291_3291	43291	3291	-95.778	13.3395	1.017	0.165	46.743	-345.027	1
43291_3292	43291	3292	-22.2255	-1.9005	-0.009	0.0585	-16.7415	243.24	1
43292_3292	43292	3292	-95.8125	22.6785	-2.037	0.873	54.756	-450.342	1
43292_3293	43292	3293	-22.2225	-2.0985	0.3315	-1.7715	-15.9105	248.5485	1
43293_3293	43293	3293	-1.0305	-2.0565	-0.357	1.569	10.6065	-489.599	1
43293_3294	43293	3294	-13.4265	-75.15	1.725	-2.166	-15.7725	846.321	1
43294_3294	43294	3294	-1.467	13.6605	0.42	2.748	-17.292	1421.742	1
43294_3295	43294	3295	-10.692	-67.9035	1.9875	0.7695	1.8075	1089.209	1
43295_3295	43295	3295	-1.9695	10.239	0.1875	-4.0485	-12.7455	1287.836	1
43295_3296	43295	3296	-9.6015	-73.47	-0.195	-4.89	-0.069	1438.371	1
43296_3296	43296	3296	-2.184	10.197	0.198	0.8595	-10.944	1176.741	1
43296_3297	43296	3297	-7.9605	-66.9075	-0.1725	0.159	-2.7405	1645.194	1
43297_3297	43297	3297	-2.3415	10.1625	0.2055	4.131	-9.3375	1091.877	1
43297_3298	43297	3298	-6.9075	-63.582	-0.1605	4.2915	-4.236	1731.033	1
43298_3298	43298	3298	-2.469	7.8855	-0.2415	-2.4195	-8.607	1064.505	1
43298_3299	43298	3299	-6.2445	-67.7205	-0.486	-4.464	-9.4365	1947.657	1
43299_3299	43299	3299	-2.4945	7.878	-0.2355	-0.231	-10.605	999.5595	1
43299_3300	43299	3300	-6.027	-12.54	-0.474	-0.2355	-12.981	2041.107	1
43300_3300	43300	3300	-2.4945	7.878	-0.231	1.551	-12.3645	941.5215	1
43300_3301	43300	3301	-6.027	-12.54	-0.462	3.642	-16.2645	2131.835	1
43301_3301	43301	3301	-2.4915	6.423	0.201	-1.893	-14.007	885.6	1
43301_3302	43301	3302	-6.021	-25.5225	0.369	-5.088	-11.805	2440.479	1
43302_3302	43302	3302	-2.4915	6.423	0.21	1.185	-11.577	807.9945	1
43302_3303	43302	3303	-6.0195	14.4705	0.3915	4.209	-7.0245	2264.021	1
43303_3303	43303	3303	-2.4915	5.4855	0.093	-1.074	-9.0075	729.7035	1
43303_3304	43303	3304	-6.0195	25.3245	0.0915	-2.9145	-5.844	1939.257	1
43304_3304	43304	3304	-2.4915	5.4855	0.1005	0.9195	-7.8045	659.307	1
43304_3305	43304	3305	-6.0195	30.879	0.1095	2.949	-4.584	1585.875	1
43305_3305	43305	3305	-2.4915	4.9155	0.108	-0.8475	-6.6465	596.5485	1
43305_3306	43305	3306	-6.0195	21.4425	0.1065	-2.2335	-3.183	1302.203	1
43306_3306	43306	3306	-2.49	4.9155	0.117	1.125	-5.2245	531.4965	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43306_3307	43306	3307	-6.0195	21.4425	0.1275	2.5995	-1.7685	1065.413	1
43307_3307	43307	3307	-2.49	4.62	0.153	-0.4515	-3.9345	477.2325	1
43307_3308	43307	3308	-6.0195	14.997	0.1035	-1.35	-0.4755	877.011	1
43308_3308	43308	3308	-2.4885	4.62	0.162	0.9525	-2.0025	419.16	1
43308_3309	43308	3309	-6.018	14.997	0.123	1.59	0.963	701.508	1
43309_3309	43309	3309	-2.4885	4.5345	0.147	-0.0945	-0.1065	365.0985	1
43309_3310	43309	3310	-6.018	11.04	0.1065	-0.6885	2.2185	570.435	1
43310_3310	43310	3310	-2.4885	4.5345	0.1545	0.816	1.6425	311.2905	1
43310_3311	43310	3311	-6.018	11.04	0.123	0.9825	3.7515	433.383	1
43311_3311	43311	3311	-2.4855	4.665	0.4185	0.1695	3.561	255.012	1
43311_3312	43311	3312	-6.015	8.9415	0.3825	-0.219	8.379	325.1475	1
43312_3312	43312	3312	-2.484	4.665	0.426	0.7935	8.622	198.5295	1
43312_3313	43312	3313	-6.0135	8.9415	0.4005	0.8025	13.2555	216.4155	1
43313_3313	43313	3313	-2.4915	4.6875	-0.663	0.3345	13.8	141.8145	1
43313_3314	43313	3314	-6.0225	7.545	-0.8985	0.2895	1.8435	120.4965	1
43314_3314	43314	3314	-2.4945	4.6875	-0.6525	0.6405	5.3805	82.221	1
43314_3315	43314	3315	-6.0255	7.545	-0.876	0.7395	-9.231	25.0365	1
43315_3315	43315	3315	-2.4975	4.6455	0.3525	1.704	-2.8815	22.941	1
43315_3316	43315	3316	-6.042	7.536	1.128	1.893	0	-36.6015	1

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
3000_3000	3000	3000	1.839	69.8145	-0.1005	0.153	0	6.3195	1
3000_3001	3000	3001	-5.5365	5.097	-0.1455	0.195	-2.1675	-44.685	1
3001_3001	3001	3001	-68.985	58.149	-0.1245	0.0225	-1.8495	-531.602	1
3001_3002	3001	3002	40.413	10.5795	0.024	0.039	0.594	308.6115	1
3002_3002	3002	3002	-94.458	55.2045	0.1545	0.3105	-3.693	-725.547	1
3002_3003	3002	3003	57.5055	12.888	-0.0405	-0.0975	0.483	439.083	1
3003_3003	3003	3003	-119.555	44.7435	0.171	-0.066	-1.9845	-916.143	1
3003_3004	3003	3004	81.5955	23.085	-0.0675	0.1275	-0.036	623.688	1
3004_3004	3004	3004	-131.421	48.801	0.0555	0.246	0.1755	-1006.16	1
3004_3005	3004	3005	108.7875	24.795	-0.024	-0.1125	-0.312	831.8535	1
3005_3005	3005	3005	-144.813	39.6015	0.0615	0.009	1.017	-1107.6	1
3005_3006	3005	3006	123.7365	35.4525	-0.033	0.0795	-0.825	946.59	1
3006_3006	3006	3006	-148.395	45.4935	0.0465	0.393	2.01	-1134.59	1
3006_3007	3006	3007	138.6255	31.3635	-0.0285	-0.264	-1.4055	1060.236	1
3007_3007	3007	3007	-156.197	36.5565	0.0495	-0.1155	2.847	-1193.54	1
3007_3008	3007	3008	142.746	40.725	-0.033	0.198	-2.109	1091.861	1
3008_3008	3008	3008	-154.944	42.4305	0.045	0.21	3.726	-1183.87	1
3008_3009	3008	3009	150.681	34.8735	-0.0345	-0.1545	-2.889	1152.107	1
3009_3009	3009	3009	-158.16	33.519	0.045	-0.033	4.518	-1208.09	1
3009_3010	3009	3010	148.974	44.0055	-0.0375	0.078	-3.738	1139.117	1
3010_3010	3010	3010	-152.586	38.9295	0.054	0.303	5.2725	-1165.71	1
3010_3011	3010	3011	151.392	38.2665	-0.048	-0.2355	-4.7265	1157.3	1
3011_3011	3011	3011	-151.311	30.057	0.0525	-0.171	6.0525	-1155.92	1
3011_3012	3011	3012	144.3195	47.433	-0.051	0.24	-5.7255	1103.529	1
3012_3012	3012	3012	-141.008	34.5075	0.0675	0.1125	6.7305	-1077.65	1
3012_3013	3012	3013	140.889	42.2805	-0.0645	-0.063	-6.8595	1077.365	1
3013_3013	3013	3013	-135.734	25.836	0.063	-0.0975	7.395	-1037.33	1
3013_3014	3013	3014	127.965	51.5655	-0.066	0.156	-7.98	979.2675	1
3014_3014	3014	3014	-110.952	25.7565	0.072	0.1275	7.71	-848.756	1
3014_3015	3014	3015	100.9845	47.571	-0.078	-0.0555	-9.5145	774.663	1
3015_3015	3015	3015	-129.158	19.671	0.0495	-0.153	5.835	-924.714	1
3015_3016	3015	3016	113.4735	60.654	-0.0495	0.198	-6.963	842.6715	1
3016_3016	3016	3016	-101.774	20.4705	-0.021	0.0255	5.8035	-746.703	1
3016_3017	3016	3017	75.4965	56.07	-0.003	0.0135	-7.0005	635.751	1
3017_3017	3017	3017	-71.715	11.6025	-0.015	-0.1785	4.9965	-592.088	1
3017_3018	3017	3018	33.051	66.1485	0.006	0.264	-6.66	377.5815	1
3018_3018	3018	3018	-40.206	8.0025	-0.012	-0.03	4.2975	-405.377	1
3018_3019	3018	3019	3.915	70.5	-0.0375	0.1155	-6.6675	128.4795	1
3019_3019	3019	3019	-14.562	2.1405	-0.0285	-0.156	3.3615	-188.667	1
3019_3020	3019	3020	-22.9305	81.648	-0.0315	0.3195	-6.4995	-235.329	1
3020_3020	3020	3020	1.263	71.4135	0.012	0.021	2.9325	163.179	1
3020_3021	3020	3021	96.7815	11.3955	0.1185	0.0315	-7.62	328.1895	1
3021_3021	3021	3021	-27.771	63.885	0.0315	-0.018	1.6935	-74.6715	1
3021_3022	3021	3022	101.574	15.9585	0.063	0.072	-4.8735	400.7415	1
3022_3022	3022	3022	-43.8735	56.526	0.0465	-0.003	1.341	-198.642	1
3022_3023	3022	3023	102.528	20.7975	0.0465	0.0615	-4.077	438.2205	1
3023_3023	3023	3023	-55.905	55.5405	-0.015	0.018	1.161	-289.982	1
3023_3024	3023	3024	103.635	20.9955	0.084	0.042	-3.0675	479.8125	1
3024_3024	3024	3024	-69.2385	47.907	-0.0015	0.03	0.588	-384.891	1
3024_3025	3024	3025	102.3345	26.409	0.072	0.03	-2.187	504.519	1
3025_3025	3025	3025	-77.688	40.7775	0.0135	-0.015	0.219	-441.924	1
3025_3026	3025	3026	97.338	32.625	0.0555	0.0855	-1.5045	502.6305	1
3026_3026	3026	3026	-87.93	45.795	0.021	0.123	0.1335	-507.62	1
3026_3027	3026	3027	101.6205	30.084	0.066	-0.0375	-0.936	556.956	1
3027_3027	3027	3027	-93.651	40.254	0.036	0.03	0.129	-540.386	1
3027_3028	3027	3028	99.5955	34.7895	0.051	0.045	-0.5565	559.149	1
3028_3028	3028	3028	-96.66	35.01	0.048	0.0435	0.285	-552.197	1
3028_3029	3028	3029	95.9325	40.0185	0.039	0.03	-0.309	546.492	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3029_3029	3029	3029	-97.9275	30.2895	0.063	-0.0375	0.5745	-549.032	1
3029_3030	3029	3030	89.6295	45.549	0.024	0.123	-0.222	513.0195	1
3030_3030	3030	3030	-92.3865	32.7555	0.0555	0.1035	1.032	-492.42	1
3030_3031	3030	3031	78.735	40.6005	0.0165	-0.021	-0.2145	445.9605	1
3031_3031	3031	3031	-96.033	26.523	0.0705	0.051	1.6215	-492.612	1
3031_3032	3031	3032	69.5805	47.742	0.0015	0.018	-0.4695	388.014	1
3032_3032	3032	3032	-95.814	21.0825	0.0855	0.003	2.4	-465.401	1
3032_3033	3032	3033	55.464	55.3725	-0.015	0.066	-0.945	291.7245	1
3033_3033	3033	3033	-93.135	20.97	0.042	0.1215	3.3615	-421.008	1
3033_3034	3033	3034	42.594	56.355	0.051	-0.042	-0.9915	198.9165	1
3034_3034	3034	3034	-90.6735	16.092	0.0705	0.003	4.071	-380.459	1
3034_3035	3034	3035	25.5435	63.693	0.0315	0.0225	-1.2645	73.2465	1
3035_3035	3035	3035	-83.5035	11.457	0.117	0.0765	6.8415	-304.868	1
3035_3036	3035	3036	-4.5285	71.2365	0.0225	0.0105	-2.2605	-166.485	1
3036_3036	3036	3036	45.717	78.6555	-0.0225	0.2835	5.1855	314.2335	1
3036_3037	3036	3037	19.4235	5.631	0.0135	0.0885	0.045	187.7805	1
3037_3037	3037	3037	25.2915	67.671	-0.03	0.1425	5.3445	-2.8695	1
3037_3038	3037	3038	26.9415	9.369	-0.0195	-0.048	-3.6285	360.183	1
3038_3038	3038	3038	3.486	63.3105	0.033	0.27	5.394	-207.057	1
3038_3039	3038	3039	51.1755	12.9	-0.027	-0.1725	-4.3125	521.0085	1
3039_3039	3039	3039	-30.93	53.571	0.0195	0.048	6.0885	-425.391	1
3039_3040	3039	3040	73.053	21.507	-0.036	0.0165	-5.211	644.6385	1
3040_3040	3040	3040	-62.5905	57.819	-0.039	0.156	6.36	-604.199	1
3040_3041	3040	3041	93.03	20.874	0.054	-0.105	-5.2125	789.1545	1
3041_3041	3041	3041	-65.2905	44.1495	-0.0165	0.027	2.8485	-491.624	1
3041_3042	3041	3042	90.6315	26.472	0.027	0.0135	-2.154	649.8975	1
3042_3042	3042	3042	-93.3075	48.195	-0.0045	0.066	2.5515	-655.466	1
3042_3043	3042	3043	110.256	25.68	0.0105	-0.027	-2.259	774.2385	1
3043_3043	3043	3043	-107.669	38.5485	-0.003	0.009	2.469	-737.643	1
3043_3044	3043	3044	110.463	34.5015	0.0105	0.0315	-2.2515	774.837	1
3044_3044	3044	3044	-111.311	43.4985	0.003	0.099	2.385	-756.629	1
3044_3045	3044	3045	117.771	29.7075	0.0045	-0.0525	-2.3025	814.878	1
3045_3045	3045	3045	-119.705	33.993	0.003	-0.0345	2.3685	-806.189	1
3045_3046	3045	3046	115.134	38.9205	0.0045	0.084	-2.322	793.4625	1
3046_3046	3046	3046	-117.794	39.195	0.0045	0.012	2.334	-794.796	1
3046_3047	3046	3047	118.5555	33.597	0.0045	0.018	-2.3445	808.4745	1
3047_3047	3047	3047	-121.4	29.9175	0.006	0.012	2.3175	-817.356	1
3047_3048	3047	3048	111.6195	43.1085	0.0015	0.018	-2.376	761.718	1
3048_3048	3048	3048	-114.852	34.5525	0.009	-0.0075	2.295	-778.07	1
3048_3049	3048	3049	109.6215	38.076	-0.0015	0.036	-2.4465	746.5065	1
3049_3049	3049	3049	-115.091	25.674	0.0105	0.0045	2.2905	-777.465	1
3049_3050	3049	3050	96.6825	47.799	-0.003	0.024	-2.526	666.906	1
3050_3050	3050	3050	-95.7465	26.373	0.0225	0.003	2.1975	-653.24	1
3050_3051	3050	3051	70.0905	43.6725	-0.0135	0.0315	-2.7735	506.1225	1
3051_3051	3051	3051	-104.208	20.5095	0.027	-0.0705	2.8605	-760.208	1
3051_3052	3051	3052	72.462	57.426	-0.018	0.1125	-3.4095	589.0185	1
3052_3052	3052	3052	-83.1645	21.3315	-0.0195	-0.0015	2.8425	-623.457	1
3052_3053	3052	3053	39.756	52.995	0.0135	0.048	-3.2505	416.244	1
3053_3053	3053	3053	-54.7575	12.7635	-0.0195	-0.1905	3.21	-538.473	1
3053_3054	3053	3054	1.731	63.2175	0.0255	0.3045	-3.9585	217.4505	1
3054_3054	3054	3054	-30.867	9.0375	-0.006	-0.0105	2.7	-377.24	1
3054_3055	3054	3055	-19.416	67.749	-0.036	0.156	-4.1145	7.2465	1
3055_3055	3055	3055	-24.8205	4.422	-0.0045	0.126	-0.7305	-166.644	1
3055_3056	3055	3056	-39.6885	79.038	-0.0285	0.3525	-4.1415	-317.976	1
3056_3056	3056	3056	-6.978	70.7625	0.0225	0.015	1.506	110.7225	1
3056_3057	3056	3057	88.5135	11.3805	0.075	0.081	-4.6995	325.539	1
3057_3057	3057	3057	-35.8965	63.4005	0.036	-0.033	1.032	-132.116	1
3057_3058	3057	3058	95.466	16.293	0.045	0.1545	-3.411	419.0385	1
3058_3058	3058	3058	-50.8635	56.0355	0.048	-0.0045	0.8865	-261.311	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3058_3059	3058	3059	98.01	21.3495	0.03	0.132	-2.8605	468.5055	1
3059_3059	3059	3059	-61.7835	55.3845	-0.0165	0.093	0.888	-354.215	1
3059_3060	3059	3060	100.299	21.585	0.0645	0.0495	-2.112	519.663	1
3060_3060	3060	3060	-74.0535	47.823	-0.0045	-0.009	0.4485	-452.031	1
3060_3061	3060	3061	100.1475	27.123	0.0525	0.156	-1.4925	551.625	1
3061_3061	3061	3061	-81.7125	40.7625	0.006	0.024	0.171	-509.318	1
3061_3062	3061	3062	96.327	33.432	0.045	0.1305	-0.981	553.86	1
3062_3062	3062	3062	-91.116	45.9435	0.021	0.0915	0.087	-576.534	1
3062_3063	3062	3063	101.136	30.807	0.045	0.069	-0.609	615.531	1
3063_3063	3063	3063	-96.399	40.446	0.03	0.111	0.1365	-609.498	1
3063_3064	3063	3064	99.663	35.5335	0.036	0.045	-0.354	619.7025	1
3064_3064	3064	3064	-99.1995	35.2365	0.039	0.132	0.291	-620.445	1
3064_3065	3064	3065	96.5865	40.7595	0.027	0.018	-0.204	607.749	1
3065_3065	3065	3065	-100.446	30.54	0.051	-0.0405	0.543	-615.71	1
3065_3066	3065	3066	91.0545	46.2705	0.015	0.2085	-0.177	573.945	1
3066_3066	3066	3066	-95.334	33.168	0.045	0.177	0.9285	-553.286	1
3066_3067	3066	3067	81.3015	40.9875	0.0045	0.0015	-0.2505	505.125	1
3067_3067	3067	3067	-98.8995	26.8785	0.054	0.207	1.4235	-550.731	1
3067_3068	3067	3068	73.2885	48.075	-0.006	-0.0435	-0.5115	446.538	1
3068_3068	3068	3068	-98.907	21.39	0.069	-0.0345	2.0235	-519.417	1
3068_3069	3068	3069	60.747	55.6605	-0.0195	0.195	-0.951	348.033	1
3069_3069	3069	3069	-96.501	21.237	0.033	0.222	2.79	-468.894	1
3069_3070	3069	3070	49.5045	56.1975	0.0435	-0.045	-0.951	253.98	1
3070_3070	3070	3070	-94.0425	16.233	0.0525	0.126	3.348	-421.608	1
3070_3071	3070	3071	34.3305	63.579	0.03	-0.0015	-1.1235	124.611	1
3071_3071	3071	3071	-87.162	11.4165	0.087	0.0645	4.9395	-332.951	1
3071_3072	3071	3072	5.3265	70.9905	0.015	0.045	-1.7505	-119.991	1
3072_3072	3072	3072	38.9175	78.4935	-0.0285	0.348	4.2345	283.7445	1
3072_3073	3072	3073	13.6875	5.1615	0.0075	0.084	-0.7275	151.482	1
3073_3073	3073	3073	17.0355	67.2375	-0.0345	0.1665	4.1685	-52.101	1
3073_3074	3073	3074	29.082	9.138	-0.006	-0.048	-2.85	379.05	1
3074_3074	3074	3074	-6.309	62.7825	0.015	0.3825	3.9825	-271.079	1
3074_3075	3074	3075	53.1915	12.873	-0.012	-0.2415	-3.237	546.0855	1
3075_3075	3075	3075	-47.451	52.6365	0.006	0.021	3.18	-475.221	1
3075_3076	3075	3076	82.3665	21.5805	-0.0105	0.048	-2.7225	635.811	1
3076_3076	3076	3076	-82.35	57.3045	-0.0075	0.2235	3.261	-655.593	1
3076_3077	3076	3077	104.643	20.616	0.0135	-0.162	-2.811	781.056	1
3077_3077	3077	3077	-75.6045	45.1755	-0.0165	0.0045	4.6005	-636.317	1
3077_3078	3077	3078	88.11	26.8425	0.021	0.105	-3.8985	741.855	1
3078_3078	3078	3078	-97.9665	49.227	-0.015	0.069	4.3065	-791.249	1
3078_3079	3078	3079	105.954	26.052	0.021	-0.006	-3.9165	874.5255	1
3079_3079	3079	3079	-110.406	40.176	-0.012	0.0825	4.0845	-875.789	1
3079_3080	3079	3080	108.4905	34.503	0.0225	-0.0195	-3.816	890.571	1
3080_3080	3080	3080	-114.065	45.4875	-0.0015	0.1395	3.8985	-898.745	1
3080_3081	3080	3081	116.958	29.694	0.009	-0.06	-3.813	945.528	1
3081_3081	3081	3081	-121.811	36.5415	-0.0015	-0.015	3.8145	-953.585	1
3081_3082	3081	3082	117.573	38.406	0.009	0.0915	-3.783	942.3255	1
3082_3082	3082	3082	-118.592	41.574	0.006	0.114	3.738	-931.427	1
3082_3083	3082	3083	120.774	32.742	0.003	-0.036	-3.7995	958.1505	1
3083_3083	3083	3083	-122.025	32.1285	0.0075	-0.0435	3.7455	-959.79	1
3083_3084	3083	3084	117.1125	42.231	0.0015	0.123	-3.828	925.1745	1
3084_3084	3084	3084	-118.787	37.734	0.006	0.096	3.7575	-940.949	1
3084_3085	3084	3085	120.246	37.146	0.003	-0.0165	-3.84	943.761	1
3085_3085	3085	3085	-118.173	29.085	0.006	-0.0705	3.7365	-941.472	1
3085_3086	3085	3086	112.2795	46.1415	0.003	0.1515	-3.8535	884.5665	1
3086_3086	3086	3086	-109.88	33.876	0.0165	0.054	3.7035	-885.386	1
3086_3087	3086	3087	108.405	40.797	-0.012	0.027	-4.0215	857.307	1
3087_3087	3087	3087	-107.277	25.4715	0.015	-0.084	3.7455	-867.356	1
3087_3088	3087	3088	95.8005	49.905	-0.012	0.1665	-4.1955	768.8025	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3088_3088	3088	3088	-90.8475	26.9685	0.042	0.0285	3.66	-744.273	1
3088_3089	3088	3089	75.7755	45.5085	-0.0315	0.054	-4.6545	628.068	1
3089_3089	3089	3089	-96.168	20.862	0.036	-0.1575	3.6495	-827.333	1
3089_3090	3089	3090	73.818	57.5085	-0.0285	0.24	-4.4145	683.616	1
3090_3090	3090	3090	-75.915	21.5805	-0.024	0.03	3.6615	-672.957	1
3090_3091	3090	3091	42.555	52.8375	0.018	0.0555	-4.185	495.5415	1
3091_3091	3091	3091	-53.4105	12.549	-0.021	-0.1905	3.8775	-544.956	1
3091_3092	3091	3092	7.3035	62.925	0.03	0.3075	-4.6995	263.673	1
3092_3092	3092	3092	-29.3715	8.904	-0.0015	-0.0465	3.3315	-373.89	1
3092_3093	3092	3093	-15.1605	67.2165	-0.051	0.1545	-5.028	44.0085	1
3093_3093	3093	3093	-15.5145	5.2425	-0.0015	0.0945	0.168	-170.25	1
3093_3094	3093	3094	-36.606	78.708	-0.0435	0.3255	-5.214	-296.847	1
3094_3094	3094	3094	-7.2735	70.4685	0.033	0.0435	1.6605	117.0315	1
3094_3095	3094	3095	87.5475	11.3295	0.0855	0.045	-5.388	328.8345	1
3095_3095	3095	3095	-34.7205	63.138	0.0675	-0.0435	1.5165	-132.848	1
3095_3096	3095	3096	91.5315	16.29	0.057	0.1965	-5.0715	429.8745	1
3096_3096	3096	3096	-48.3675	55.599	0.0855	-0.006	1.4175	-265.913	1
3096_3097	3096	3097	93.4755	21.426	0.0345	0.171	-4.3425	479.25	1
3097_3097	3097	3097	-58.1955	55.3125	-0.0285	0.0945	1.548	-360.794	1
3097_3098	3097	3098	95.3085	21.4905	0.1005	0.0465	-3.213	532.0185	1
3098_3098	3098	3098	-69.48	47.6415	-0.009	-0.0225	0.8805	-462.248	1
3098_3099	3098	3099	94.833	27.1035	0.0825	0.1695	-2.2815	564.615	1
3099_3099	3099	3099	-76.374	40.4925	0.006	0.012	0.4695	-520.746	1
3099_3100	3099	3100	90.864	33.528	0.0705	0.1485	-1.5075	565.791	1
3100_3100	3100	3100	-84.9255	46.1835	0.039	-0.519	0.3555	-589.448	1
3100_3101	3100	3101	95.1795	30.5565	0.057	0.4845	-1.032	630.3525	1
3101_3101	3101	3101	-89.9115	40.593	0.054	-0.5265	0.5145	-624.827	1
3101_3102	3101	3102	93.7095	35.3325	0.045	0.5655	-0.7155	635.238	1
3102_3102	3102	3102	-92.6265	35.304	0.0435	0.6765	0.849	-637.475	1
3102_3103	3102	3103	90.759	40.6305	0.057	-0.6435	-0.393	623.385	1
3103_3103	3103	3103	-93.786	30.5265	0.06	0.3585	1.188	-632.696	1
3103_3104	3103	3104	85.4625	46.2135	0.0375	-0.3855	-0.2805	588.168	1
3104_3104	3104	3104	-89.1105	33.474	0.072	0.21	1.7385	-568.617	1
3104_3105	3104	3105	76.623	40.4925	0.006	-0.045	-0.426	519.906	1
3105_3105	3105	3105	-92.7075	27.042	0.0885	0.066	2.562	-567.698	1
3105_3106	3105	3106	69.3465	47.6505	-0.012	0.072	-0.9105	461.967	1
3106_3106	3106	3106	-92.8215	21.423	0.1005	0.093	3.5895	-535.28	1
3106_3107	3106	3107	57.666	55.3335	-0.0285	0.0465	-1.629	360.9765	1
3107_3107	3107	3107	-90.645	21.3735	0.0375	0.1275	4.7655	-482.639	1
3107_3108	3107	3108	47.4945	55.5525	0.0825	-0.0045	-1.578	266.9025	1
3108_3108	3108	3108	-88.368	16.2195	0.06	0.1545	5.5605	-433.296	1
3108_3109	3108	3109	33.489	63.1065	0.0645	-0.0345	-1.749	134.3985	1
3109_3109	3109	3109	-83.847	11.2455	0.0825	0.081	6.087	-332.799	1
3109_3110	3109	3110	5.8005	70.4835	0.036	0.006	-1.9515	-115.694	1
3110_3110	3110	3110	37.7055	77.283	-0.051	0.39	6.0855	267.2925	1
3110_3111	3110	3111	13.506	3.1785	-0.003	0.06	0.231	119.379	1
3111_3111	3111	3111	17.058	65.6085	-0.0615	0.147	5.9445	-60.912	1
3111_3112	3111	3112	28.233	9.5115	0.003	-0.006	-3.7455	384.816	1
3112_3112	3112	3112	-4.0155	61.3245	0.0135	0.3405	5.5905	-265.001	1
3112_3113	3112	3113	51.336	13.1745	-0.012	-0.213	-4.2555	550.4445	1
3113_3113	3113	3113	-37.2885	51.1275	0.0015	0.0285	4.752	-480.315	1
3113_3114	3113	3114	72.441	22.3485	-0.0135	0.066	-3.909	669.765	1
3114_3114	3114	3114	-66.2295	55.9005	-0.048	0.1215	4.8015	-653.238	1
3114_3115	3114	3115	91.0875	21.546	0.0495	-0.0585	-3.84	815.1705	1
3115_3115	3115	3115	-72.0285	42.9915	-0.039	0.0525	3.663	-545.88	1
3115_3116	3115	3116	90.747	27.555	0.0405	-0.015	-2.7435	670.686	1
3116_3116	3116	3116	-92.853	47.6025	-0.015	0.1425	3.0615	-674.579	1
3116_3117	3116	3117	107.061	25.9845	0.0165	-0.0825	-2.7495	779.7555	1
3117_3117	3117	3117	-104.745	38.2545	-0.015	-0.0465	2.8395	-747.218	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3117_3118	3117	3118	107.436	34.6095	0.0195	0.111	-2.6205	781.7655	1
3118_3118	3118	3118	-107.121	43.7835	-0.0135	0.138	2.6025	-760.599	1
3118_3119	3118	3119	114.1965	29.4345	0.018	-0.0765	-2.487	821.5605	1
3119_3119	3119	3119	-114.074	34.518	-0.015	-0.0675	2.3835	-805.244	1
3119_3120	3119	3120	112.4115	38.3145	0.0195	0.1305	-2.298	805.521	1
3120_3120	3120	3120	-109.106	39.789	-0.009	0.0555	2.1525	-775.857	1
3120_3121	3120	3121	113.943	32.3775	0.015	-0.0075	-2.136	810.603	1
3121_3121	3121	3121	-111.456	30.036	-0.0075	-0.0345	1.992	-795.408	1
3121_3122	3121	3122	107.9295	42.1455	0.015	0.0855	-1.9695	768.024	1
3122_3122	3122	3122	-106.302	35.949	-0.006	0.045	1.8435	-767.895	1
3122_3123	3122	3123	109.41	36.882	0.0135	0.0075	-1.833	775.302	1
3123_3123	3123	3123	-104.544	27.0345	-0.006	-0.048	1.7265	-762.398	1
3123_3124	3123	3124	99.0255	46.146	0.012	0.102	-1.698	708.813	1
3124_3124	3124	3124	-94.572	32.13	0.0075	0.0855	1.614	-703.169	1
3124_3125	3124	3125	93.309	40.6245	0	-0.015	-1.7115	674.223	1
3125_3125	3125	3125	-91.3965	23.5635	0.0045	-0.087	1.6305	-683.909	1
3125_3126	3125	3126	78.0585	49.977	0	0.156	-1.734	580.443	1
3126_3126	3126	3126	-74.5785	25.413	0.009	0.0315	1.5705	-572.36	1
3126_3127	3126	3127	55.671	45.552	0	0.033	-1.7715	442.3875	1
3127_3127	3127	3127	-84.4005	19.212	0.009	-0.063	1.479	-619.59	1
3127_3128	3127	3128	55.8045	57.435	0	0.099	-1.599	459.1005	1
3128_3128	3128	3128	-63.6585	20.589	0.0075	0.042	1.47	-487.394	1
3128_3129	3128	3129	22.437	52.3755	-0.006	0.021	-1.6785	280.317	1
3129_3129	3129	3129	-38.5395	11.787	0.012	-0.1485	1.8525	-407.262	1
3129_3130	3129	3130	-13.806	62.6925	-0.003	0.246	-2.058	67.0965	1
3130_3130	3130	3130	-17.5785	7.5345	-0.1095	-0.0435	2.0505	-252.434	1
3130_3131	3130	3131	-33.639	67.431	0.06	0.1065	-1.263	-150.534	1
3131_3131	3131	3131	-23.0805	5.5515	0.036	0.0165	1.3755	-240.918	1
3131_3132	3131	3132	-50.367	78.8805	0.0675	0.147	-0.3345	-440.624	1
3132_3132	3132	3132	8.2845	71.3865	0.1665	-0.231	-1.71	228.594	1
3132_3133	3132	3133	79.941	8.001	-0.1125	0.1965	-1.614	222.8445	1
3133_3133	3133	3133	-27.456	63.1605	0.153	-0.1695	-0.2475	-64.6125	1
3133_3134	3133	3134	89.6775	13.386	-0.1095	0.1665	-2.0115	330.7935	1
3134_3134	3134	3134	-44.673	55.182	0.1305	0.1725	0.717	-198.302	1
3134_3135	3134	3135	93.5355	18.7185	-0.072	-0.42	-2.4165	385.644	1
3135_3135	3135	3135	-57.1365	54.138	-0.0405	0.0315	1.494	-295.335	1
3135_3136	3135	3136	96.807	19.8525	0.069	0.0225	-1.7895	439.9515	1
3136_3136	3136	3136	-70.2585	46.128	-0.0315	0.0405	0.9765	-392.27	1
3136_3137	3136	3137	97.314	25.7175	0.0645	0.0105	-1.212	474.729	1
3137_3137	3137	3137	-77.9655	38.721	-0.021	-0.0255	0.5805	-447.731	1
3137_3138	3137	3138	93.3345	32.3835	0.0585	0.0855	-0.711	477.405	1
3138_3138	3138	3138	-86.985	45.075	0.012	0.0525	0.354	-508.463	1
3138_3139	3138	3139	98.685	28.887	0.03	0.009	-0.504	538.527	1
3139_3139	3139	3139	-92.532	39.2505	0.018	0.063	0.405	-543.021	1
3139_3140	3139	3140	97.449	33.831	0.024	-0.0045	-0.3615	545.505	1
3140_3140	3140	3140	-95.133	33.7485	0.0255	-0.054	0.5175	-554.753	1
3140_3141	3140	3141	94.239	39.336	0.015	0.114	-0.303	535.734	1
3141_3141	3141	3141	-95.7915	28.809	0.0285	0.0765	0.708	-549.788	1
3141_3142	3141	3142	88.074	45.165	0.012	-0.021	-0.294	503.1345	1
3142_3142	3142	3142	-89.619	32.0595	0.024	0.0675	0.948	-490.971	1
3142_3143	3142	3143	78.135	39.1095	0.0045	-0.0135	-0.3585	442.365	1
3143_3143	3143	3143	-92.574	25.3905	0.0315	-0.0165	1.2315	-489.108	1
3143_3144	3143	3144	69.348	46.5435	-0.003	0.0585	-0.555	387.921	1
3144_3144	3144	3144	-91.1835	19.5675	0.033	0.072	1.596	-456.051	1
3144_3145	3144	3145	55.1295	54.5565	-0.0075	-0.027	-0.822	291.867	1
3145_3145	3145	3145	-86.937	19.365	-0.012	-0.006	1.971	-402.731	1
3145_3146	3145	3146	42.105	55.1505	0.06	0.021	-0.6015	199.5195	1
3146_3146	3146	3146	-82.605	14.0415	-0.0045	0.0705	2.055	-351.722	1
3146_3147	3146	3147	24.4215	62.973	0.0555	-0.0285	-0.4215	70.4355	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3147_3147	3147	3147	-72.9495	8.9835	0.009	0.0495	2.3505	-261.975	1
3147_3148	3147	3148	-7.173	71.0025	0.048	-0.003	-0.2865	-176.433	1
3148_3148	3148	3148	56.5695	75.933	-0.021	0.1575	2.4105	359.4555	1
3148_3149	3148	3149	29.5035	3.576	0.003	0.0465	-0.219	193.941	1
3149_3149	3149	3149	38.673	64.4475	-0.0255	0.0675	2.289	55.4025	1
3149_3150	3149	3150	17.2605	9.633	-0.009	-0.0255	-1.6785	308.7105	1
3150_3150	3150	3150	20.6595	59.9265	0.0135	0.1095	2.103	-130.788	1
3150_3151	3150	3151	37.3275	13.5015	-0.009	-0.063	-1.8675	453.639	1
3151_3151	3151	3151	-14.148	49.866	0.006	0.0315	1.875	-307.233	1
3151_3152	3151	3152	61.53	22.179	-0.0135	-0.021	-1.806	518.628	1
3152_3152	3152	3152	-44.268	54.3375	-0.009	0.021	1.911	-462.132	1
3152_3153	3152	3153	79.3365	21.375	0.0225	-0.0015	-1.734	636.5805	1
3153_3153	3153	3153	-46.2375	42.144	-0.0045	0.0165	1.458	-409.253	1
3153_3154	3153	3154	73.1805	27.3795	0.0165	-0.0045	-1.2525	548.76	1
3154_3154	3154	3154	-65.781	45.909	-0.0045	0.0345	1.3485	-518.528	1
3154_3155	3154	3155	85.992	25.8615	0.0105	-0.0135	-1.23	631.3095	1
3155_3155	3155	3155	-77.073	36.498	-0.006	-0.0045	1.2555	-581.687	1
3155_3156	3155	3156	83.739	34.4835	0.012	0.0285	-1.1475	622.4985	1
3156_3156	3156	3156	-81.834	41.682	0	0.009	1.17	-608.814	1
3156_3157	3156	3157	90.555	30.336	0.0045	0.009	-1.137	661.743	1
3157_3157	3157	3157	-87.858	33.261	0.0015	0.012	1.155	-643.889	1
3157_3158	3157	3158	86.58	38.5485	0.0045	0.0045	-1.128	638.4765	1
3158_3158	3158	3158	-86.0475	38.4975	0.0045	0.0075	1.1505	-634.868	1
3158_3159	3158	3159	87.999	33.438	0.0015	0.0105	-1.146	645.12	1
3159_3159	3159	3159	-89.7525	30.2715	0.006	0.009	1.1775	-656.552	1
3159_3160	3159	3160	81.6495	41.8155	0	0.0075	-1.1745	607.98	1
3160_3160	3160	3160	-82.683	34.4355	0.0135	0.03	1.203	-615.909	1
3160_3161	3160	3161	76.473	36.8475	-0.006	-0.0045	-1.281	578.232	1
3161_3161	3161	3161	-84.5565	25.8135	0.012	-0.0135	1.299	-622.737	1
3161_3162	3161	3162	64.8045	46.167	-0.006	0.0345	-1.395	512.6625	1
3162_3162	3162	3162	-71.244	27.174	0.018	-0.0135	1.3335	-537.606	1
3162_3163	3162	3163	44.5455	42.633	-0.0045	0.0225	-1.509	399.117	1
3163_3163	3163	3163	-78.9795	21.1545	0.0225	0.0255	1.6185	-613.233	1
3163_3164	3163	3164	44.016	54.6645	-0.0105	-0.0105	-1.755	443.0925	1
3164_3164	3164	3164	-60.33	21.6885	-0.015	-0.0255	1.7025	-494.013	1
3164_3165	3164	3165	12.7245	50.625	0.009	0.0315	-1.6965	284.0415	1
3165_3165	3165	3165	-38.0115	13.0725	-0.0105	-0.0465	1.5765	-412.299	1
3165_3166	3165	3166	-21.981	60.4755	0.0135	0.078	-1.704	96.9165	1
3166_3166	3166	3166	-16.701	9.2235	-0.0075	-0.024	1.3875	-271.716	1
3166_3167	3166	3167	-41.46	65.394	-0.0225	0.057	-1.887	-92.625	1
3167_3167	3167	3167	-33.768	4.137	0	0.039	0.225	-222.591	1
3167_3168	3167	3168	-60.396	76.695	-0.018	0.126	-2.0055	-394.976	1
3168_3168	3168	3168	8.907	71.5875	0.0315	0.0255	0.303	179.919	1
3168_3169	3168	3169	76.5345	9.123	0.0195	0.0195	-1.9425	248.0565	1
3169_3169	3169	3169	-24.9975	63.795	0.033	-0.009	0.282	-62.241	1
3169_3170	3169	3170	86.5815	13.998	0.0045	0.051	-1.3305	336.4995	1
3170_3170	3170	3170	-44.271	56.166	0.0375	0.0015	0.372	-190.724	1
3170_3171	3170	3171	91.572	19.1175	-0.003	0.042	-1.242	387.1725	1
3171_3171	3171	3171	-58.7535	55.1835	-0.003	0.006	0.513	-285.177	1
3171_3172	3171	3172	96.4185	19.509	0.0225	0.0345	-0.9885	439.86	1
3172_3172	3172	3172	-74.1435	47.3145	0.0015	0.012	0.36	-381.099	1
3172_3173	3172	3173	98.3775	25.155	0.0195	0.03	-0.7725	473.901	1
3173_3173	3173	3173	-83.9025	39.963	0.0045	0.0195	0.264	-437.88	1
3173_3174	3173	3174	95.982	31.626	0.015	0.0225	-0.6015	479.6925	1
3174_3174	3174	3174	-94.8915	45.216	0.0105	-0.0435	0.24	-500.579	1
3174_3175	3174	3175	102.789	29.0595	0.021	0.0795	-0.45	538.092	1
3175_3175	3175	3175	-101.244	39.507	0.0135	0.078	0.2655	-532.247	1
3175_3176	3175	3176	102.237	33.921	0.0195	-0.033	-0.327	544.035	1
3176_3176	3176	3176	-104.501	34.101	0.0195	-0.0315	0.33	-542.306	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3176_3177	3176	3177	99.6435	39.3165	0.0135	0.075	-0.2655	534.2565	1
3177_3177	3177	3177	-105.689	29.229	0.021	0.081	0.4545	-536.573	1
3177_3178	3177	3178	93.9705	45.0195	0.0105	-0.0465	-0.24	502.9005	1
3178_3178	3178	3178	-99.6465	31.812	0.015	0.0495	0.6105	-478.125	1
3178_3179	3178	3179	83.5845	39.909	0.0045	0.006	-0.261	440.0145	1
3179_3179	3179	3179	-102.839	25.3485	0.018	0.0585	0.7695	-472.643	1
3179_3180	3179	3180	74.6625	47.235	0.0015	-0.0075	-0.3555	383.1585	1
3180_3180	3180	3180	-101.622	19.6965	0.024	-0.0015	0.966	-438.729	1
3180_3181	3180	3181	60.0945	55.077	-0.0045	0.051	-0.5145	287.076	1
3181_3181	3181	3181	-97.5045	19.2615	-0.0045	0.0675	1.2225	-386.58	1
3181_3182	3181	3182	46.419	56.2485	0.0375	-0.0195	-0.372	192.5895	1
3182_3182	3182	3182	-93.147	14.169	0.006	0.012	1.29	-335.876	1
3182_3183	3182	3183	27.8685	63.828	0.0315	0.012	-0.291	63.6675	1
3183_3183	3183	3183	-84.3195	9.2925	0.015	0.042	1.6995	-245.031	1
3183_3184	3183	3184	-5.655	71.4855	0.03	0.009	-0.2595	-176.19	1
3184_3184	3184	3184	56.9445	79.3215	-0.0135	0.1275	1.716	438.3675	1
3184_3185	3184	3185	21.633	5.307	0.006	0.045	-0.306	180.729	1
3185_3185	3185	3185	36.2835	68.2515	-0.0165	0.0585	1.632	117.4905	1
3185_3186	3185	3186	20.2905	8.1825	-0.009	-0.0255	-1.266	258.3195	1
3186_3186	3186	3186	13.932	63.1245	0.021	0.093	1.491	-95.382	1
3186_3187	3186	3187	43.7625	12.0255	-0.0135	-0.0585	-1.491	406.626	1
3187_3187	3187	3187	-24.5085	53.2425	0.015	0.03	1.5915	-306.029	1
3187_3188	3187	3188	68.9895	20.4225	-0.018	-0.021	-1.653	501.8535	1
3188_3188	3188	3188	-59.907	56.598	0	0.0285	1.737	-483.056	1
3188_3189	3188	3189	90.5565	20.3115	0.0135	-0.0075	-1.6365	631.4715	1
3189_3189	3189	3189	-61.4295	44.9415	0.003	0.024	1.524	-470.376	1
3189_3190	3189	3190	83.721	26.415	0.0105	-0.0075	-1.395	596.922	1
3190_3190	3190	3190	-84.3345	47.955	0.003	0.024	1.5225	-604.152	1
3190_3191	3190	3191	100.101	25.6845	0.0075	0.0015	-1.425	701.016	1
3191_3191	3191	3191	-97.3215	38.85	0.0045	0.0285	1.521	-679.934	1
3191_3192	3191	3192	100.9005	34.089	0.0045	-0.0045	-1.437	707.7885	1
3192_3192	3192	3192	-103.779	43.374	0.006	0.021	1.5435	-718.106	1
3192_3193	3192	3193	109.7265	30.6225	0.003	0.0045	-1.482	759.3585	1
3193_3193	3193	3193	-110.783	35.199	0.0075	0.024	1.5825	-760.346	1
3193_3194	3193	3194	107.7615	38.649	0.0015	0	-1.5255	746.022	1
3194_3194	3194	3194	-110.097	39.726	0.0135	0.0165	1.635	-757.305	1
3194_3195	3194	3195	110.328	34.221	-0.0045	0.0075	-1.638	759.2025	1
3195_3195	3195	3195	-114.159	31.764	0.0135	0.0195	1.734	-781.934	1
3195_3196	3195	3196	105.1515	42.3945	-0.0075	0.003	-1.767	726.915	1
3196_3196	3196	3196	-107.612	35.2335	0.0195	-0.0225	1.818	-742.605	1
3196_3197	3196	3197	100.38	38.127	-0.0105	0.036	-1.9545	697.905	1
3197_3197	3197	3197	-108.923	26.931	0.0225	0.0345	1.962	-747.308	1
3197_3198	3197	3198	89.1915	47.1855	-0.0135	-0.021	-2.178	631.863	1
3198_3198	3198	3198	-94.6755	27.6435	0.018	0.006	2.0535	-655.041	1
3198_3199	3198	3199	68.049	44.4885	-0.0105	0.015	-2.397	507.5295	1
3199_3199	3199	3199	-102.624	21.663	0.021	-0.0315	2.3355	-694.143	1
3199_3200	3199	3200	68.409	56.2995	-0.012	0.057	-2.685	528.774	1
3200_3200	3200	3200	-81.639	21.288	-0.0105	-0.0105	2.3325	-570.234	1
3200_3201	3200	3201	33.9105	53.613	0.003	0.036	-2.6685	361.0935	1
3201_3201	3201	3201	-52.854	13.0785	-0.012	-0.138	3.042	-493.152	1
3201_3202	3201	3202	-5.2215	63.4365	0.012	0.2085	-3.8325	171.84	1
3202_3202	3202	3202	-28.4805	9.2265	0	-0.072	2.5905	-341.984	1
3202_3203	3202	3203	-27.0945	68.796	-0.036	0.132	-4.053	-30.9045	1
3203_3203	3203	3203	-16.914	4.0305	0	0.0765	-0.192	-136.275	1
3203_3204	3203	3204	-47.832	79.482	-0.0315	0.261	-4.1505	-339.879	1
3204_3204	3204	3204	0.315	72.585	0.0165	-0.0165	1.446	143.2005	1
3204_3205	3204	3205	88.344	11.3535	0.057	0.1035	-4.2615	305.046	1
3205_3205	3205	3205	-31.386	65.4225	0.021	0.012	0.948	-96.894	1
3205_3206	3205	3206	96.9405	15.9585	0.0405	0.0105	-2.9565	399.705	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3206_3206	3206	3206	-49.1715	58.3455	0.0315	-0.0285	0.741	-226.388	1
3206_3207	3206	3207	100.515	20.6865	0.0255	0.075	-2.484	446.952	1
3207_3207	3207	3207	-62.8905	56.7585	0.0015	0.03	0.6585	-324.411	1
3207_3208	3207	3208	103.8315	21.3075	0.0495	0.045	-1.875	495.3345	1
3208_3208	3208	3208	-77.4615	49.3545	0.0105	0.045	0.3975	-423.362	1
3208_3209	3208	3209	104.727	26.5995	0.0405	0.027	-1.377	527.1285	1
3209_3209	3209	3209	-87.0525	42.3555	0.021	-0.0195	0.2715	-484.712	1
3209_3210	3209	3210	101.8725	32.6145	0.03	0.1035	-1.023	532.8135	1
3210_3210	3210	3210	-98.5365	46.299	0.018	0.0585	0.3345	-555.993	1
3210_3211	3210	3211	107.793	30.954	0.042	0.021	-0.696	591.87	1
3211_3211	3211	3211	-104.462	40.917	0.0255	0.0705	0.378	-588.045	1
3211_3212	3211	3212	106.659	35.5785	0.0345	0.006	-0.477	596.4765	1
3212_3212	3212	3212	-107.703	35.8065	0.036	-0.0405	0.5115	-599.712	1
3212_3213	3212	3213	103.809	40.6785	0.024	0.12	-0.363	586.509	1
3213_3213	3213	3213	-109.205	31.1655	0.0405	0.0915	0.7545	-596.682	1
3213_3214	3213	3214	98.2845	46.05	0.018	-0.0165	-0.33	556.2105	1
3214_3214	3214	3214	-103.67	32.8395	0.03	-0.0165	1.0635	-539.172	1
3214_3215	3214	3215	87.159	42.2235	0.0195	0.0705	-0.303	486.411	1
3215_3215	3215	3215	-106.923	26.8065	0.036	0.081	1.4265	-535.055	1
3215_3216	3215	3216	78.006	49.1955	0.012	-0.0165	-0.4245	426.741	1
3216_3216	3216	3216	-106.412	21.492	0.0435	0.0855	1.8885	-504.801	1
3216_3217	3216	3217	63.981	56.583	0.003	-0.027	-0.6795	330.15	1
3217_3217	3217	3217	-103.347	20.7825	0.024	0.06	2.448	-457.314	1
3217_3218	3217	3218	50.6535	58.302	0.042	0.027	-0.69	233.6955	1
3218_3218	3218	3218	-99.93	16.0335	0.0315	0.1485	2.9055	-410.181	1
3218_3219	3218	3219	33.2715	65.358	0.033	-0.0465	-0.8085	105.7305	1
3219_3219	3219	3219	-91.785	11.379	0.0615	-0.006	3.597	-312.944	1
3219_3220	3219	3220	1.5	72.399	0.012	0.0645	-1.1715	-129.656	1
3220_3220	3220	3220	46.65	80.6745	-0.0315	0.3525	3.5295	328.653	1
3220_3221	3220	3221	16.5555	5.8245	0.009	0.081	0.447	141.255	1
3221_3221	3221	3221	24.5235	70.512	-0.039	0.1545	3.3945	12.6	1
3221_3222	3221	3222	31.797	9.207	0	0.0165	-2.238	352.062	1
3222_3222	3222	3222	-0.03	65.6685	0.0195	0.474	3.126	-205.982	1
3222_3223	3222	3223	57.6105	12.8685	-0.018	-0.3045	-2.64	505.713	1
3223_3223	3223	3223	-43.467	56.223	0.0045	-0.036	2.31	-408.86	1
3223_3224	3223	3224	88.8555	20.6295	-0.0105	0.153	-1.986	591.351	1
3224_3224	3224	3224	-82.1175	59.1435	-0.0015	0.318	2.3775	-591.531	1
3224_3225	3224	3225	112.74	20.8935	0.009	-0.2355	-2.0745	727.9005	1
3225_3225	3225	3225	-71.772	46.3995	-0.006	-0.03	2.4855	-571.301	1
3225_3226	3225	3226	94.2495	26.688	0.012	0.1725	-2.085	700.2375	1
3226_3226	3226	3226	-99.678	48.4485	0	0.345	2.331	-748.668	1
3226_3227	3226	3227	113.4795	27.816	0.012	-0.207	-2.1435	833.3355	1
3227_3227	3227	3227	-112.178	39.1335	-0.0015	-0.1275	2.2845	-827.957	1
3227_3228	3227	3228	113.5365	36.4545	0.0135	0.264	-2.0805	837.5715	1
3228_3228	3228	3228	-114.198	41.835	0.009	0.3375	2.205	-840.674	1
3228_3229	3228	3229	117.7995	34.0725	0.003	-0.198	-2.1465	865.431	1
3229_3229	3229	3229	-118.721	32.7795	0.0075	-0.1575	2.2725	-869.22	1
3229_3230	3229	3230	111.996	43.125	0.006	0.288	-2.175	827.9625	1
3230_3230	3230	3230	-113.808	34.7385	0.0135	0.2985	2.298	-836.267	1
3230_3231	3230	3231	107.7225	40.7835	-0.0045	-0.1635	-2.3325	799.926	1
3231_3231	3231	3231	-112.139	26.097	0.0105	-0.168	2.3745	-821.768	1
3231_3232	3231	3232	93.3555	50.3055	-0.0015	0.288	-2.451	707.775	1
3232_3232	3232	3232	-116.15	29.766	-0.0135	0.1545	2.4135	-843.309	1
3232_3233	3232	3233	100.0575	49.8075	0.006	-0.048	-2.502	750.459	1
3233_3233	3233	3233	-112.929	24.5445	-0.012	0.0975	2.22	-817.899	1
3233_3234	3233	3234	89.67	55.986	0.009	-0.0165	-2.451	683.9985	1
3234_3234	3234	3234	-101.04	18.8685	-0.021	-0.153	3.18	-737.94	1
3234_3235	3234	3235	62.835	62.2965	0.0225	0.216	-3.6165	534.408	1
3235_3235	3235	3235	-95.7825	20.0505	0.105	0.0975	2.898	-717.374	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3235_3236	3235	3236	58.437	63.4275	-0.09	-0.003	-4.0455	532.509	1
3236_3236	3236	3236	-86.7045	16.7925	0.1005	-0.015	3.39	-680.979	1
3236_3237	3236	3237	44.8095	68.139	-0.096	0.0885	-4.5015	467.1195	1
3237_3237	3237	3237	-52.6005	12.192	0.1305	-0.393	5.7165	-592.694	1
3237_3238	3237	3238	-3.48	72.5595	-0.153	0.564	-8.556	203.064	1
3238_3238	3238	3238	-34.1265	19.1985	-0.096	0.0315	6.24	-455.691	1
3238_3239	3238	3239	-16.317	60.444	0.1275	0.159	-7.2345	80.718	1
3239_3239	3239	3239	-21.0465	12.8025	-0.0795	-0.261	4.5285	-352.472	1
3239_3240	3239	3240	-30.072	68.592	0.1335	0.4035	-5.5635	-98.784	1
3240_3240	3240	3240	-14.058	27.0465	-0.048	-0.0045	3.366	-278.091	1
3240_3241	3240	3241	-24.7155	58.8465	0.1305	0.285	-4.2945	-44.814	1
3241_3241	3241	3241	-39.9375	57.7725	0.033	-0.033	3.945	-86.9955	1
3241_3242	3241	3242	105.2985	22.899	-0.015	0.093	-7.2615	451.8705	1
3242_3242	3242	3242	-55.374	51.6675	0.0405	-0.237	3.1545	-231.612	1
3242_3243	3242	3243	106.6335	29.628	-0.045	0.432	-6.537	490.782	1
3243_3243	3243	3243	-55.2705	62.2215	-0.099	0.165	2.448	-247.695	1
3243_3244	3243	3244	107.73	19.674	0.2175	-0.0075	-4.1475	527.328	1
3244_3244	3244	3244	-71.9445	53.325	-0.0495	-0.018	0.7515	-387.9	1
3244_3245	3244	3245	108.06	25.2825	0.192	0.204	-1.7895	564.4845	1
3245_3245	3245	3245	-85.713	49.377	0.0255	0.357	-0.096	-496.335	1
3245_3246	3245	3246	108.402	28.275	0.0585	-0.1425	-0.8805	603.675	1
3246_3246	3246	3246	-97.05	41.247	0.0525	-0.123	-0.0735	-577.22	1
3246_3247	3246	3247	105.447	35.325	0.0195	0.3435	-0.5625	611.4645	1
3247_3247	3247	3247	-103.295	39.27	-0.036	0.354	0.324	-610.683	1
3247_3248	3247	3248	103.6215	37.4865	0.075	-0.135	0.081	619.6665	1
3248_3248	3248	3248	-104.811	31.3635	-0.006	-0.0555	-0.0195	-594.764	1
3248_3249	3248	3249	91.8765	45.003	0.0555	0.273	0.6045	540.1425	1
3249_3249	3249	3249	-106.59	28.0065	0.0525	0.303	0.069	-572.811	1
3249_3250	3249	3250	81.2505	49.2705	-0.0195	-0.075	0.2955	462.3495	1
3250_3250	3250	3250	-108.878	22.194	0.063	-0.009	0.693	-552.545	1
3250_3251	3250	3251	67.5045	58.2795	-0.0495	0.2025	-0.459	350.499	1
3251_3251	3251	3251	-108.353	32.6115	0.348	0.4395	1.2555	-512.379	1
3251_3252	3251	3252	66.0315	46.377	-0.0855	-0.159	-1.533	327.6465	1
3252_3252	3252	3252	-112.473	26.226	0.4155	0.0825	4.4865	-511.7	1
3252_3253	3252	3253	59.1615	53.2545	-0.1485	0.048	-3.4155	256.1865	1
3253_3253	3253	3253	-114.324	21.0735	0.432	0.0015	8.025	-490.473	1
3253_3254	3253	3254	53.259	60.429	-0.1965	0.1155	-5.697	183.078	1
3254_3254	3254	3254	-120.39	35.754	-0.3765	-0.822	11.595	-528.177	1
3254_3255	3254	3255	71.367	50.3175	0.255	-0.228	-6.0405	299.3955	1
3255_3255	3255	3255	32.916	71.0145	-0.5145	0.774	8.223	144.024	1
3255_3256	3255	3256	19.0365	14.325	0.2685	-0.1935	-2.112	322.701	1
3256_3256	3256	3256	16.7805	65.688	-0.54	0.4215	3.081	-81.6945	1
3256_3257	3256	3257	31.047	19.713	0.342	0.1425	0.4395	442.0365	1
3257_3257	3257	3257	11.889	76.497	0.1935	0.435	-1.356	-134.643	1
3257_3258	3257	3258	45.918	10.647	-0.174	-0.3315	-1.032	547.56	1
3258_3258	3258	3258	-15.276	70.2135	0.1905	0.255	0.6315	-377.496	1
3258_3259	3258	3259	65.6175	15.279	-0.18	-0.1155	-2.4465	680.151	1
3259_3259	3259	3259	-67.116	67.8165	0.1155	-0.093	1.4715	-608.516	1
3259_3260	3259	3260	100.563	19.4415	-0.1125	0.1845	-1.845	760.9995	1
3260_3260	3260	3260	-59.601	67.0005	0.0615	0.312	1.9035	-535.307	1
3260_3261	3260	3261	103.8675	17.3205	-0.033	-0.231	-2.07	740.472	1
3261_3261	3261	3261	-75.4065	59.4975	0.054	0.1515	2.4645	-600.318	1
3261_3262	3261	3262	112.2945	21.9255	-0.0405	-0.078	-2.4885	777.993	1
3262_3262	3262	3262	-106.527	53.4105	0.0315	-0.099	2.2095	-699.98	1
3262_3263	3262	3263	127.746	28.161	-0.0345	0.204	-2.199	801.5355	1
3263_3263	3263	3263	-103.754	53.598	0.012	0.2115	2.385	-685.95	1
3263_3264	3263	3264	126.8895	25.3995	0.006	-0.1305	-2.2425	801.834	1
3264_3264	3264	3264	-118.589	44.739	0.0135	0.006	2.4705	-771.101	1
3264_3265	3264	3265	129.2235	32.7765	0.0045	0.0735	-2.328	821.022	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3265_3265	3265	3265	-126.557	45.8685	0.0105	0.255	2.556	-817.487	1
3265_3266	3265	3266	135.654	31.9215	0.003	-0.159	-2.4465	861.498	1
3266_3266	3266	3266	-135.267	37.545	0.009	-0.0825	2.625	-867.932	1
3266_3267	3266	3267	134.6865	40.1565	0.006	0.177	-2.511	858.5055	1
3267_3267	3267	3267	-133.362	38.787	0.0195	0.1875	2.655	-858.09	1
3267_3268	3267	3268	133.647	38.73	-0.0075	-0.1035	-2.7285	854.364	1
3268_3268	3268	3268	-133.851	30.7245	0.018	-0.0585	2.802	-860.825	1
3268_3269	3268	3269	124.4985	47.238	-0.0075	0.1395	-2.9175	804.2265	1
3269_3269	3269	3269	-123.911	30.6585	0.0015	0.1905	2.8665	-802.809	1
3269_3270	3269	3270	111.3705	46.539	-0.0075	-0.0975	-3.1245	731.595	1
3270_3270	3270	3270	-117.716	22.9965	-0.003	-0.114	2.709	-763.613	1
3270_3271	3270	3271	90.3645	55.8225	-0.0015	0.198	-3.168	614.544	1
3271_3271	3271	3271	-120.665	24.0585	0.0225	0.21	2.562	-776.678	1
3271_3272	3271	3272	95.8845	58.671	-0.021	-0.1155	-3.258	646.7325	1
3272_3272	3272	3272	-97.9965	18.495	0.021	0.015	3.393	-743.408	1
3272_3273	3272	3273	55.164	64.371	-0.0285	0.0825	-4.5795	508.1325	1
3273_3273	3273	3273	-86.0055	14.2245	0.009	-0.291	3.291	-678.366	1
3273_3274	3273	3274	32.337	71.772	-0.027	0.4035	-4.713	389.6055	1
3274_3274	3274	3274	-84.609	28.518	-0.1365	0.1515	3.276	-711.02	1
3274_3275	3274	3275	50.856	57.1485	0.1815	-0.0645	-4.1985	534.8475	1
3275_3275	3275	3275	-55.827	23.001	-0.1965	0.06	4.0335	-630.197	1
3275_3276	3275	3276	7.5915	58.8135	0.285	0.111	-4.0815	325.1985	1
3276_3276	3276	3276	-44.1615	17.634	-0.183	-0.285	1.866	-570.755	1
3276_3277	3276	3277	-6.9825	65.2575	0.279	0.3975	-1.4175	215.421	1
3277_3277	3277	3277	-28.6035	22.494	0.141	-0.573	-0.0855	-441.39	1
3277_3278	3277	3278	-19.413	58.38	-0.189	0.7575	-3.24	87.033	1
3278_3278	3278	3278	-19.6215	16.8525	0.126	-0.7965	0.96	-375.146	1
3278_3279	3278	3279	-27.099	65.955	-0.1725	1.0515	-4.503	-3.5835	1
3279_3279	3279	3279	-73.2555	52.446	-0.1005	2.1105	2.2125	-325.875	1
3279_3280	3279	3280	125.0325	32.0025	0.0645	-2.2965	-4.8075	608.2035	1
3280_3280	3280	3280	-64.104	60.768	0.0225	0.318	1.365	-270.696	1
3280_3281	3280	3281	122.1795	22.7985	0.0465	-0.2415	-4.2135	597.732	1
3281_3281	3281	3281	-59.274	52.3605	0.0345	0.0585	0.783	-251.04	1
3281_3282	3281	3282	114.5655	26.661	0.012	0.0795	-3.3195	549.33	1
3282_3282	3282	3282	-72.1005	45.4245	0.045	-0.1215	0.6375	-356.753	1
3282_3283	3282	3283	112.677	33.4845	-0.0195	0.384	-3.1065	563.2185	1
3283_3283	3283	3283	-59.3745	46.3515	-0.051	0.3945	0.7545	-320.031	1
3283_3284	3283	3284	91.926	29.6415	0.4905	-0.1965	-2.562	535.53	1
3284_3284	3284	3284	-69.672	36.8205	0.102	-0.183	-0.699	-413.379	1
3284_3285	3284	3285	80.988	38.844	0.351	0.4905	2.0445	478.266	1
3285_3285	3285	3285	-74.673	40.3305	0.0105	0.483	0.966	-432.198	1
3285_3286	3285	3286	76.578	33.351	-0.036	-0.201	0.933	473.55	1
3286_3286	3286	3286	-86.547	31.8015	0.0525	-0.24	1.314	-512.7	1
3286_3287	3286	3287	71.961	43.2075	-0.0765	0.51	-0.507	447.8895	1
3287_3287	3287	3287	-90.486	36.108	0.1065	0.444	1.896	-490.746	1
3287_3288	3287	3288	66.828	38.9415	0.0675	-0.15	-0.225	399.24	1
3288_3288	3288	3288	-101.736	28.053	0.1995	-0.1455	3.504	-539.771	1
3288_3289	3288	3289	60.195	48.543	-0.0075	0.3345	-1.143	318.876	1
3289_3289	3289	3289	-110.135	34.6545	0.0375	0.534	6.2325	-576.624	1
3289_3290	3289	3290	64.9545	45.552	0.099	-0.1665	-1.533	342.774	1
3290_3290	3290	3290	-117.633	28.8465	0.111	0.132	7.242	-610.503	1
3290_3291	3290	3291	63.1905	52.4835	0.0555	0.0345	-2.0985	293.3475	1
3291_3291	3291	3291	-121.532	23.832	0.1845	-0.195	9.1425	-612.942	1
3291_3292	3291	3292	59.0475	59.3805	0.006	0.2865	-3.252	206.4555	1
3292_3292	3292	3292	-130.428	34.797	-0.4245	0.7305	10.9005	-697.169	1
3292_3293	3292	3293	78.981	54.2595	0.213	-1.794	-4.098	376.2765	1
3293_3293	3293	3293	5.292	73.035	-0.4095	0.573	7.1955	-155.135	1
3293_3294	3293	3294	20.706	15.663	-0.0525	-0.0675	-2.604	428.1375	1
3294_3294	3294	3294	-6.216	65.799	-0.471	-0.1155	4.194	-308.706	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3294_3295	3294	3295	29.334	20.4	0.042	0.6195	-2.4105	518.868	1
3295_3295	3295	3295	-18.942	70.884	0.0465	1.014	-0.4965	-460.097	1
3295_3296	3295	3296	43.9245	13.98	0.039	-0.651	-1.0905	683.1855	1
3296_3296	3296	3296	-46.2375	64.296	0.0405	-0.0315	0.312	-778.571	1
3296_3297	3296	3297	61.1115	20.5845	0.0105	0.2655	-0.498	881.1375	1
3297_3297	3297	3297	-81.9615	60.483	0.0255	-0.5115	0.567	-955.956	1
3297_3298	3297	3298	87.348	26.115	-0.0075	0.672	-0.309	974.739	1
3298_3298	3298	3298	-80.04	64.1265	0.078	0.534	0.867	-910.541	1
3298_3299	3298	3299	88.7505	20.5065	-0.072	-0.3765	-0.9165	986.646	1
3299_3299	3299	3299	-95.9385	58.1925	0.0675	0.066	1.632	-1070.84	1
3299_3300	3299	3300	98.901	25.908	-0.0795	0.021	-1.59	1098.101	1
3300_3300	3300	3300	-90.588	53.3265	0.0855	-0.5775	3.324	-1266.15	1
3300_3301	3300	3301	90.114	31.4355	-0.132	0.765	-3.534	1256.355	1
3301_3301	3301	3301	-85.8195	56.007	-0.0795	1.0725	3.7815	-1202.25	1
3301_3302	3301	3302	90.0465	25.8555	0.087	-0.7605	-2.6355	1256.952	1
3302_3302	3302	3302	-96.453	46.968	-0.078	-0.612	2.7135	-1343.31	1
3302_3303	3302	3303	95.6955	34.1265	0.096	0.837	-1.638	1333.737	1
3303_3303	3303	3303	-99.525	50.5485	-0.024	0.8715	1.6725	-1383.88	1
3303_3304	3303	3304	102.624	30.93	0.0225	-0.6255	-1.4415	1426.421	1
3304_3304	3304	3304	-108.822	42.33	-0.0285	-0.5985	1.257	-1507.34	1
3304_3305	3304	3305	108.183	40.002	0.0285	0.8115	-1.1505	1500.113	1
3305_3305	3305	3305	-104.868	46.533	-0.033	1.0155	0.7905	-1454.36	1
3305_3306	3305	3306	109.617	35.0955	0.0345	-0.759	-0.699	1518.806	1
3306_3306	3306	3306	-112.016	38.694	-0.036	-0.831	0.2535	-1548.84	1
3306_3307	3306	3307	113.274	44.3745	0.0405	1.113	-0.192	1567.038	1
3307_3307	3307	3307	-105.032	43.575	-0.0255	0.9255	-0.2475	-1454.53	1
3307_3308	3307	3308	111.939	38.364	0.033	-0.7125	0.2925	1549.019	1
3308_3308	3308	3308	-105.449	35.037	-0.0255	-0.6795	-0.6	-1457.71	1
3308_3309	3308	3309	109.806	47.16	0.0375	0.981	0.813	1520.424	1
3309_3309	3309	3309	-97.1175	39.0915	-0.054	0.7755	-0.8565	-1342.83	1
3309_3310	3309	3310	108.186	41.4645	0.0405	-0.6285	1.338	1498.563	1
3310_3310	3310	3310	-88.2	28.9875	-0.054	-0.462	-1.35	-1217.45	1
3310_3311	3310	3311	99.441	49.9875	0.0465	0.78	1.9905	1381.629	1
3311_3311	3311	3311	-71.79	27.8325	0.069	0.546	-1.6365	-989.165	1
3311_3312	3311	3312	93.4995	46.356	0.0345	-0.5265	2.5155	1301.247	1
3312_3312	3312	3312	-52.5225	16.572	0.06	-0.339	-0.393	-721.076	1
3312_3313	3312	3313	78.735	56.046	-0.0015	0.7965	2.1345	1102.413	1
3313_3313	3313	3313	-34.9425	13.119	-0.0555	0.2145	0.2475	-479.202	1
3313_3314	3313	3314	59.343	55.8555	0.093	-0.1965	2.448	840.2865	1
3314_3314	3314	3314	-16.9575	5.4675	-0.033	-0.2175	-0.198	-232.235	1
3314_3315	3314	3315	26.7795	68.7525	0.114	0.831	3.375	400.167	1
3315_3315	3315	3315	0.4875	4.9035	-0.0285	0.324	0.2385	22.476	1
3315_3316	3315	3316	-3.798	84.6825	-0.3285	-0.579	0	-17.7165	1
3400_3020	3400	3020	30.6555	1.9875	-2.232	-0.063	35.2125	174.339	1
3400_3401	3400	3401	-44.0025	24.804	3.1065	-0.0675	21.828	532.134	1
3401_3401	3401	3401	28.23	2.175	-1.6935	0.1995	24.0495	160.863	1
3401_3402	3401	3402	-39.987	20.5485	-1.146	-0.3135	15.0645	469.3065	1
3402_3402	3402	3402	37.974	2.97	-2.1135	0.0375	22.4535	172.143	1
3402_3403	3402	3403	-39.432	19.59	-1.0485	0.171	3.456	256.5855	1
3403_3403	3403	3403	46.8945	4.326	0.027	0.0735	-0.033	148.3035	1
3403_3404	3403	3404	-34.0065	15.1785	-0.1515	0.03	2.316	148.9485	1
3404_3404	3404	3404	52.476	5.4705	-0.0255	0.1695	0.327	122.5755	1
3404_3405	3404	3405	-34.3425	14.397	-0.129	0.096	1.431	45.042	1
3405_3405	3405	3405	59.6145	7.4925	-0.0945	0.1365	0.5925	87.342	1
3405_3406	3405	3406	-32.1045	11.361	-0.0975	0.0495	-0.033	-122.301	1
3406_3406	3406	3406	66.4875	9.9	1.0455	0.2775	-0.3645	-16.3335	1
3406_3407	3406	3407	-30.2205	9.6225	0.1275	0.18	1.0935	-213.806	1
3407_3407	3407	3407	68.5395	11.286	0.891	-0.0915	8.667	-101.369	1
3407_3408	3407	3408	-30.4095	9.0075	0.177	-0.2415	1.899	-263.906	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3408_3408	3408	3408	19.845	0.2985	-0.939	0.7965	11.181	-73.206	1
3408_3409	3408	3409	-34.2555	15.459	-1.3395	0.123	1.05	-279.746	1
3409_3409	3409	3409	31.5645	15.0525	-1.026	0.063	-0.7005	281.9085	1
3409_3410	3409	3410	18.6495	0.1455	-0.405	-0.8205	8.115	-70.0335	1
3410_3410	3410	3410	30.0495	8.856	0.15	-0.3195	-1.521	261.585	1
3410_3411	3410	3411	-74.997	10.836	-0.2655	-0.282	1.437	107.0925	1
3411_3411	3411	3411	29.8545	9.4935	0.087	0.2175	-0.9225	212.4045	1
3411_3412	3411	3412	-72.768	9.2595	-0.03	-0.042	0.7125	27.522	1
3412_3412	3412	3412	30.1785	11.148	-0.0855	0.036	-0.141	125.106	1
3412_3413	3412	3413	-74.028	7.035	0.0495	-0.1215	1.2105	-71.6505	1
3413_3413	3413	3413	31.311	14.0655	-0.075	0.168	-1.458	-40.6995	1
3413_3414	3413	3414	-72.588	5.0775	-0.1485	-0.009	-0.0885	-104.607	1
3414_3414	3414	3414	34.128	14.8335	-0.135	-0.0705	-1.9815	-145.124	1
3414_3415	3414	3415	-66.4245	3.4575	-0.0135	-0.21	-0.228	-124.55	1
3415_3415	3415	3415	38.559	19.1865	-1.011	0.0015	-3.108	-249.291	1
3415_3416	3415	3416	-64.989	1.902	3.0255	0.0945	32.4495	-138.758	1
3416_3416	3416	3416	39.492	20.124	-1.08	0.195	-14.7375	-457.301	1
3416_3417	3416	3417	-54.003	0.5025	2.6745	-0.6285	37.479	-122.238	1
3417_3417	3417	3417	40.506	24.4065	3.54	-0.075	-19.62	-525.549	1
3417_3036	3417	3036	-51.828	0.6075	2.0865	0.0975	45.747	-119.745	1
3420_3056	3420	3056	24.0405	0.786	-1.713	-0.0525	24.144	106.1235	1
3420_3421	3420	3421	-45.624	23.064	3.7005	-0.0675	18.723	464.6775	1
3421_3421	3421	3421	24	0.9585	-1.2555	0.2415	16.557	102.903	1
3421_3422	3421	3422	-41.496	18.8385	-1.0575	0.1065	12.4935	408.7515	1
3422_3422	3422	3422	32.7465	1.62	-1.6485	0.003	16.0215	116.9265	1
3422_3423	3422	3423	-40.911	17.8605	-1.0065	0.036	1.2525	215.019	1
3423_3423	3423	3423	41.871	2.814	0.156	0.051	-1.7685	109.7745	1
3423_3424	3423	3424	-35.259	13.4625	-0.0525	0.0075	1.0095	122.0085	1
3424_3424	3424	3424	48.7335	3.84	0.1155	0.168	-0.624	96.3315	1
3424_3425	3424	3425	-32.6775	12.6615	-0.0315	0.0975	0.837	28.6935	1
3425_3425	3425	3425	67.6875	5.64	0.039	-0.114	-1.0545	62.046	1
3425_3426	3425	3426	-31.881	9.7215	-0.0615	0.036	-0.1095	-115.08	1
3426_3426	3426	3426	62.301	7.8405	0.957	0.204	-1.1715	-3.0195	1
3426_3427	3426	3427	-31.6665	8.016	0.1575	0.075	1.2495	-188.226	1
3427_3427	3427	3427	71.1615	9.2145	-0.027	-0.156	-0.3795	-82.1895	1
3427_3428	3427	3428	-31.824	7.3695	0.1755	-0.0705	2.172	-229.179	1
3428_3428	3428	3428	-19.2315	0.5745	-0.2895	-1.0725	-9.2895	62.2305	1
3428_3429	3428	3429	-33.1935	13.9935	-0.819	0.093	1.029	-252.194	1
3429_3429	3429	3429	33.342	14.0295	-0.903	0.1215	-1.293	252.417	1
3429_3430	3429	3430	17.847	0.5235	0.015	-0.9795	9.2475	-56.691	1
3430_3430	3430	3430	31.917	7.341	0.1425	0.1485	-2.562	229.332	1
3430_3431	3430	3431	-64.7295	9.5505	1.0245	0.099	-7.3155	77.8935	1
3431_3431	3431	3431	31.7565	8.0055	0.1785	-0.051	-1.6605	188.541	1
3431_3432	3431	3432	-62.811	8.2035	0.9645	0.1545	1.0665	7.6635	1
3432_3432	3432	3432	32.0415	9.681	-0.0285	0.0375	-0.1305	115.41	1
3432_3433	3432	3433	-56.3685	5.9445	-0.1335	0.126	-0.525	-73.8945	1
3433_3433	3433	3433	32.904	12.6015	-0.054	-0.0195	-0.5685	-27.7695	1
3433_3434	3433	3434	-49.0215	4.0905	0.1785	0.078	1.158	-98.8935	1
3434_3434	3434	3434	35.4795	13.428	-0.0165	0.129	-0.9915	-120.74	1
3434_3435	3434	3435	-42.0315	3.0285	0.126	0.138	1.989	-113.988	1
3435_3435	3435	3435	41.1465	17.838	-1.0725	0.159	-0.8775	-213.905	1
3435_3436	3435	3436	-32.4165	1.8465	-1.8075	0.033	-17.4915	-124.058	1
3436_3436	3436	3436	41.706	18.8535	-1.173	-0.2865	-12.699	-407.373	1
3436_3437	3436	3437	-23.433	1.1625	-1.3635	0.1665	-18.1635	-110.186	1
3437_3437	3437	3437	45.8835	23.004	3.591	-0.09	-19.317	-463.868	1
3437_3072	3437	3072	-23.4735	0.9615	-1.6485	-0.0615	-25.5435	-114.119	1
3440_3094	3440	3094	21.3795	0.9255	-1.779	-0.0435	17.697	103.542	1
3440_3441	3440	3441	-46.9065	22.797	3.789	-0.0735	16.0065	446.2245	1
3441_3441	3441	3441	21.3375	1.083	-0.7905	0.1995	10.071	99.747	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3441_3442	3441	3442	-41.5275	18.4605	-0.9015	0.2355	10.3155	394.35	1
3442_3442	3442	3442	29.463	1.701	-1.107	0.027	10.386	112.2135	1
3442_3443	3442	3443	-40.977	17.4525	-0.876	0.009	0.5295	205.0485	1
3443_3443	3443	3443	39.9315	2.7795	0.1065	0.1185	-1.488	106.1565	1
3443_3444	3443	3444	-35.4315	13.002	-0.0135	0.0915	0.6855	114.9975	1
3444_3444	3444	3444	44.4975	3.7635	0.123	0.126	-0.7755	90.9525	1
3444_3445	3444	3445	-32.8965	12.1755	-0.027	0.0435	0.495	25.338	1
3445_3445	3445	3445	51.6615	5.466	-0.123	0.1425	0.591	68.946	1
3445_3446	3445	3446	-32.145	9.264	-0.0195	0.045	0.1635	-111.491	1
3446_3446	3446	3446	58.4505	7.5435	0.5685	0.1575	-0.744	-4.776	1
3446_3447	3446	3447	-31.911	7.5885	-0.018	-0.045	-0.066	-180.755	1
3447_3447	3447	3447	60.927	8.7735	0.6195	0.1425	4.2105	-68.043	1
3447_3448	3447	3448	-31.7745	6.933	-0.057	0.138	-0.3825	-220.34	1
3448_3448	3448	3448	-19.05	0.519	-0.12	-1.284	-7.4235	61.512	1
3448_3449	3448	3449	-33.594	13.668	-0.756	-0.2565	-1.434	-242.022	1
3449_3449	3449	3449	32.847	13.5705	-0.813	-0.069	0.2415	242.5065	1
3449_3450	3449	3450	12.9345	0.303	-0.231	-0.66	3.1665	-43.0725	1
3450_3450	3450	3450	31.77	6.9705	0.0015	0.06	-0.2235	219.711	1
3450_3451	3450	3451	-63.636	9.225	1.005	0.0825	-7.323	72.09	1
3451_3451	3451	3451	31.62	7.623	0.0105	0.009	-0.1905	180.954	1
3451_3452	3451	3452	-61.68	7.941	0.9975	0.2115	1.419	4.701	1
3452_3452	3452	3452	31.7145	9.2805	-0.0255	0.0465	-0.108	111.3255	1
3452_3453	3452	3453	-54.8865	5.7705	-0.171	0.1545	-0.6195	-73.2495	1
3453_3453	3453	3453	34.8585	12.1695	-0.0165	0.0765	-0.5385	-27.984	1
3453_3454	3453	3454	-47.499	3.9675	0.132	0.156	0.8265	-96.5625	1
3454_3454	3454	3454	34.5675	12.975	-0.0225	0.0675	-0.6435	-115.77	1
3454_3455	3454	3455	-43.1265	2.913	0.1365	0.1125	1.7865	-112.992	1
3455_3455	3455	3455	39.831	17.3865	-0.831	0.0945	-0.5715	-205.896	1
3455_3456	3455	3456	-32.985	1.7385	-1.332	0.051	-12.471	-120.102	1
3456_3456	3456	3456	40.3425	18.363	-0.8865	-0.045	-9.75	-394.485	1
3456_3457	3456	3457	-24.4545	1.0455	-1.0125	0.1815	-13.0995	-106.634	1
3457_3457	3457	3457	44.2485	22.683	3.8205	-0.0675	-15.039	-449.432	1
3457_3110	3457	3110	-25.1025	0.8625	-1.7655	-0.0585	-21.198	-111.597	1
3460_3132	3460	3132	-28.629	1.8015	0.1245	-0.033	12.3765	-45.3885	1
3460_3461	3460	3461	-57.6705	25.725	3.615	-0.0645	13.563	429.6255	1
3461_3461	3461	3461	13.6695	2.2545	-0.564	0.2025	6.996	101.1375	1
3461_3462	3461	3462	-49.4295	19.029	-0.6135	0.4905	9.072	390.93	1
3462_3462	3462	3462	19.17	2.6355	-0.726	-0.0075	6.714	102.225	1
3462_3463	3462	3463	-44.8845	17.9235	-0.5955	-0.0885	1.839	204.0015	1
3463_3463	3463	3463	25.113	3.477	0.105	0.063	-1.4745	78.867	1
3463_3464	3463	3464	-38.847	13.629	-0.021	0.0675	0.7215	111.948	1
3464_3464	3464	3464	31.8165	4.137	0.1215	0.0825	-0.81	59.5365	1
3464_3465	3464	3465	-38.208	12.738	-0.024	0.039	0.534	20.5215	1
3465_3465	3465	3465	79.5555	5.5485	0.003	-0.0915	-0.8775	90.5715	1
3465_3466	3465	3466	-35.307	9.918	-0.0195	0.045	0.216	-122.574	1
3466_3466	3466	3466	83.3145	8.0415	0.4695	-0.069	-0.927	14.6535	1
3466_3467	3466	3467	-32.928	8.379	-0.006	0.0375	0.1515	-198.8	1
3467_3467	3467	3467	85.398	9.7815	0.4545	-0.1455	3.219	-54.4005	1
3467_3468	3467	3468	-32.187	7.7115	0.009	-0.0015	0.2805	-242.048	1
3468_3468	3468	3468	-26.739	1.8135	0.591	-0.54	-3.7125	52.6455	1
3468_3469	3468	3469	-64.8585	16.605	-0.651	0.006	-4.6035	-198.137	1
3469_3469	3469	3469	60.915	16.7235	-0.75	0.18	3.693	213.7335	1
3469_3470	3469	3470	25.2465	2.4465	0.426	-0.3585	2.2515	-28.623	1
3470_3470	3470	3470	33.3915	7.992	-0.015	0.039	0.054	244.629	1
3470_3471	3470	3471	-56.064	9.849	-0.012	0.1245	0.498	115.9155	1
3471_3471	3471	3471	33.2205	8.6775	-0.0105	0.009	-0.012	200.2065	1
3471_3472	3471	3472	-55.119	8.703	-0.0105	0.096	0.3315	40.206	1
3472_3472	3472	3472	35.127	10.437	-0.036	0.048	-0.0495	121.638	1
3472_3473	3472	3473	-49.8795	6.8205	-0.072	0.1065	-0.3705	-54.5595	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3473_3473	3473	3473	36.7935	13.5195	-0.0345	0.0615	-0.5685	-29.454	1
3473_3474	3473	3474	-45.5535	5.208	0.09	0.111	0.564	-89.712	1
3474_3474	3474	3474	37.323	14.3835	-0.0375	0.0675	-0.8145	-126.686	1
3474_3475	3474	3475	-39.8325	4.2105	0.09	0.084	1.1955	-115.179	1
3475_3475	3475	3475	43.0065	19.0485	-0.627	-0.2475	-1.0095	-225.569	1
3475_3476	3475	3476	-34.683	3.0585	-0.9915	-0.066	-9.402	-143.471	1
3476_3476	3476	3476	47.2695	20.094	-0.5775	1.002	-8.658	-425.24	1
3476_3477	3476	3477	-28.665	2.304	-0.897	0.453	-10.9605	-141.059	1
3477_3477	3477	3477	48.561	24.5505	4.206	-0.0555	-11.4255	-492.08	1
3477_3148	3477	3148	-28.74	2.1615	-0.8445	-0.0465	-14.811	-149.919	1
3480_3168	3480	3168	22.7775	1.683	-0.7515	-0.045	12.873	118.6275	1
3480_3481	3480	3481	-52.2465	25.0635	3.5925	-0.093	10.356	504.5415	1
3481_3481	3481	3481	21.6525	1.812	-0.7425	0.27	9.1305	109.6515	1
3481_3482	3481	3482	-50.706	20.658	-0.5715	0.6225	7.7595	436.014	1
3482_3482	3482	3482	27.4965	2.394	-0.849	-0.0285	7.8465	112.893	1
3482_3483	3482	3483	-46.149	19.545	-0.579	-0.147	0.75	231.7425	1
3483_3483	3483	3483	36.108	3.3945	0.0945	0.069	-1.2975	94.362	1
3483_3484	3483	3484	-40.0665	14.8965	-0.015	0.069	0.684	129.9135	1
3484_3484	3484	3484	40.8435	4.3035	0.1035	0.078	-0.6405	73.4565	1
3484_3485	3484	3485	-39.474	13.956	-0.0195	0.0345	0.5355	29.7285	1
3485_3485	3485	3485	47.892	5.8635	-0.0645	0.0855	0.336	46.0695	1
3485_3486	3485	3486	-36.7605	10.881	-0.024	0.0405	0.1935	-128.193	1
3486_3486	3486	3486	53.304	7.791	0.033	0.0975	-0.3315	-35.217	1
3486_3487	3486	3487	-35.319	9.1305	0	0.0375	0.255	-210.792	1
3487_3487	3487	3487	55.4685	8.9115	0	0.0855	-0.2235	-101.334	1
3487_3488	3487	3488	-34.908	8.4105	0.0105	-0.0015	0.3405	-257.819	1
3488_3488	3488	3488	-29.0175	2.673	0.267	-0.453	-3.252	36.1125	1
3488_3489	3488	3489	-65.88	17.685	-0.882	0.1515	-4.233	-219.804	1
3489_3489	3489	3489	68.598	18.1125	-0.717	0.0615	4.404	222.9915	1
3489_3490	3489	3490	25.485	2.2095	0.7035	-0.585	4.143	-40.6695	1
3490_3490	3490	3490	35.9505	8.382	0.009	0.0345	-0.1665	259.6815	1
3490_3491	3490	3491	-89.7765	8.7975	0.4005	-0.12	-2.7465	31.3095	1
3491_3491	3491	3491	36.426	9.1215	0.0075	0.006	-0.057	212.8665	1
3491_3492	3491	3492	-47.9205	7.641	-0.075	0.0705	0.1665	43.3515	1
3492_3492	3492	3492	38.1375	10.9485	-0.0435	0.036	0.0225	130.629	1
3492_3493	3492	3493	-42.495	5.9355	-0.0525	0.0765	-0.324	-38.175	1
3493_3493	3493	3493	41.2005	14.133	-0.0435	0.0495	-0.6225	-27.954	1
3493_3494	3493	3494	-35.4735	4.56	0.072	0.0765	0.4245	-66.648	1
3494_3494	3494	3494	41.8485	15.081	-0.045	0.06	-0.9285	-129.516	1
3494_3495	3494	3495	-28.485	3.8145	0.0645	0.0555	0.8445	-87.897	1
3495_3495	3495	3495	48.321	19.809	-0.5595	0.1515	-1.2375	-232.412	1
3495_3496	3495	3496	-22.3695	2.9565	-0.6165	0.0525	-5.7855	-114.204	1
3496_3496	3496	3496	53.0715	20.997	-0.675	-0.2505	-7.6845	-439.674	1
3496_3497	3496	3497	-16.6605	2.4885	-0.435	0.0135	-5.7015	-112.935	1
3497_3497	3497	3497	54.5445	25.35	3.6465	-0.066	-10.9995	-509.397	1
3497_3184	3497	3184	-17.7345	2.3715	-1.0605	-0.0285	-10.62	-124.8	1
3500_3204	3500	3204	19.2525	0.5325	-1.5195	-0.0735	18.663	83.4645	1
3500_3501	3500	3501	-45.537	24.972	2.844	-0.108	11.547	544.275	1
3501_3501	3501	3501	19.23	0.6705	-0.9	0.135	12.117	81.3	1
3501_3502	3501	3502	-45.6285	20.9445	-0.681	-0.351	8.259	471.234	1
3502_3502	3502	3502	28.2495	1.254	-1.2195	0.0465	11.967	98.5005	1
3502_3503	3502	3503	-43.482	19.878	-0.5685	0.1665	1.7055	257.5695	1
3503_3503	3503	3503	66.3735	2.418	-0.093	-0.165	1.185	107.358	1
3503_3504	3503	3504	-38.2065	15.573	-0.0675	-0.012	1.2345	148.338	1
3504_3504	3504	3504	74.8275	4.074	-0.1845	-0.066	0.4905	97.4985	1
3504_3505	3504	3505	-35.169	14.715	-0.0315	0.135	1.056	39.555	1
3505_3505	3505	3505	75.9195	6.1155	0.072	-0.138	-1.1295	72.8205	1
3505_3506	3505	3506	-33.606	11.7165	-0.054	0.045	0.1935	-134.162	1
3506_3506	3506	3506	76.6935	8.49	-0.1935	-0.1545	-0.234	-10.7625	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3506_3507	3506	3507	-33.0075	9.9495	0.186	0.0555	1.8825	-225.234	1
3507_3507	3507	3507	79.506	10.0905	-0.252	-0.1245	-2.3145	-82.416	1
3507_3508	3507	3508	-33.2055	9.2685	0.1905	-0.0165	2.9265	-276.746	1
3508_3508	3508	3508	-20.2905	0.5205	1.0065	-1.8135	-13.9755	56.2395	1
3508_3509	3508	3509	-34.587	16.107	-1.056	0.2385	1.6755	-300.923	1
3509_3509	3509	3509	35.112	16.251	-1.0185	0.225	-1.647	302.949	1
3509_3510	3509	3510	20.661	0.924	-0.27	-1.794	10.431	-58.4145	1
3510_3510	3510	3510	33.267	9.324	0.174	0.0135	-2.529	278.3625	1
3510_3511	3510	3511	-71.4675	10.1145	0.927	0.0525	-7.2555	80.538	1
3511_3511	3511	3511	33.3885	10.0065	0.1905	0.0135	-1.641	225.393	1
3511_3512	3511	3512	-68.8905	8.6715	0.939	0.189	0.8745	7.5645	1
3512_3512	3512	3512	35.2275	11.865	-0.0795	0.045	0.1155	131.5605	1
3512_3513	3512	3513	-61.425	6.1725	-0.1245	0.135	-0.6	-76.776	1
3513_3513	3513	3513	38.7825	14.94	-0.0735	0.0615	-1.116	-43.7235	1
3513_3514	3513	3514	-52.11	4.167	0.069	0.132	0.2595	-101.127	1
3514_3514	3514	3514	38.427	15.837	-0.0765	0.0825	-1.6335	-151.47	1
3514_3515	3514	3515	-46.425	3.021	0.072	0.1095	0.801	-117.416	1
3515_3515	3515	3515	45.2535	20.181	-0.564	0.078	-2.127	-261.975	1
3515_3516	3515	3516	-32.718	1.7595	-1.0935	0.0405	-10.887	-121.488	1
3516_3516	3516	3516	45.9255	21.27	-0.6045	0.0825	-8.466	-480.771	1
3516_3517	3516	3517	-23.5335	1.0815	-0.807	0.1875	-10.782	-106.676	1
3517_3517	3517	3517	50.4795	25.1145	2.6265	-0.147	-11.565	-544.305	1
3517_3220	3517	3220	-24.7365	0.888	-1.8285	-0.057	-18.846	-113.223	1
3520_3241	3520	3241	25.542	0.9435	-0.3735	-0.597	15.7935	110.193	1
3520_3521	3520	3521	-59.355	26.196	0.759	0.159	17.424	598.6155	1
3521_3521	3521	3521	23.754	1.104	-0.996	0.057	13.521	102.0825	1
3521_3522	3521	3522	-57.879	22.9755	-1.5435	-0.8925	11.49	520.0905	1
3522_3522	3522	3522	35.1855	1.8105	-1.3425	0.075	12.966	120.021	1
3522_3523	3522	3523	-58.41	21.597	-1.4145	0.1365	-3.5925	284.2335	1
3523_3523	3523	3523	47.313	2.9115	0.105	-0.051	-1.485	112.8225	1
3523_3524	3523	3524	-51.957	17.286	0.12	-0.3015	-2.328	162.153	1
3524_3524	3524	3524	78.7965	4.3575	-0.099	0.027	-0.339	106.7235	1
3524_3525	3524	3525	-52.35	16.053	0.2745	0.2895	-0.168	46.458	1
3525_3525	3525	3525	80.8875	6.6135	0.0915	-0.1365	-1.3845	80.85	1
3525_3526	3525	3526	-49.023	12.774	0.2145	0.066	3.2385	-142.181	1
3526_3526	3526	3526	82.611	9.351	-1.0755	-0.105	-0.492	-9.1425	1
3526_3527	3526	3527	-45.969	10.464	0.189	0.357	5.0325	-242.981	1
3527_3527	3527	3527	85.098	11.1105	-1.359	-0.1065	-10.7355	-88.686	1
3527_3528	3527	3528	-46.179	9.495	0.291	-0.3435	6.381	-295.703	1
3528_3528	3528	3528	-23.271	0.8355	-0.1755	-0.816	-5.1735	68.7435	1
3528_3529	3528	3529	-46.9395	19.1685	-1.4745	1.1085	8.409	-325.887	1
3529_3529	3529	3529	48.192	18.921	0.2025	-0.732	5.9535	325.1655	1
3529_3530	3529	3530	20.277	0.834	0.123	-2.424	21.2955	-61.3515	1
3530_3530	3530	3530	45.9885	9.258	0.201	-0.4215	1.989	297.4305	1
3530_3531	3530	3531	-91.9665	11.346	1.5015	-0.5055	-15.693	75.7215	1
3531_3531	3531	3531	45.783	10.2315	0.099	0.1215	2.8335	246.024	1
3531_3532	3531	3532	-89.598	9.438	1.7715	0.018	-0.318	-4.26	1
3532_3532	3532	3532	48.1755	12.2715	-0.246	-0.0105	3.267	149.8995	1
3532_3533	3532	3533	-67.5675	6.6585	-0.168	0.162	-1.95	-83.4435	1
3533_3533	3533	3533	53.0475	15.15	-0.2955	0.093	-0.546	-33.435	1
3533_3534	3533	3534	-59.2095	4.4145	-0.0855	0.1815	-2.31	-110.175	1
3534_3534	3534	3534	53.973	16.413	-0.327	0.066	-2.6655	-143.076	1
3534_3535	3534	3535	-50.496	3.1095	-0.0435	0.153	-2.3955	-123.951	1
3535_3535	3535	3535	59.1285	20.2125	-0.714	0.5385	-4.8765	-259.746	1
3535_3536	3535	3536	-38.6715	1.581	-1.0965	0.1695	-13.95	-128.619	1
3536_3536	3536	3536	60.384	21.6975	-0.969	-1.047	-12.5505	-478.299	1
3536_3537	3536	3537	-26.139	0.7755	-0.6675	-0.021	-12.159	-104.879	1
3537_3537	3537	3537	72.4215	29.433	-0.108	0.192	-19.6845	-514.581	1
3537_3255	3537	3255	26.07	1.8045	-0.3855	-0.2685	-19.812	37.4625	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3540_3279	3540	3279	-29.3595	1.6635	-0.8955	-0.606	14.13	-49.8795	1
3540_3541	3540	3541	-73.5405	28.3455	-2.694	-1.9035	-10.077	561.3105	1
3541_3541	3541	3541	28.3905	0.69	-0.243	-0.0825	0.9495	93.642	1
3541_3542	3541	3542	-64.332	22.323	-0.0285	-1.071	-11.0295	517.197	1
3542_3542	3542	3542	37.476	1.473	-0.327	0.069	-0.1125	110.3145	1
3542_3543	3542	3543	-64.8405	20.802	0.0615	-0.015	-10.1475	289.968	1
3543_3543	3543	3543	77.748	2.8245	0.0885	-0.2295	-1.293	128.409	1
3543_3544	3543	3544	-60.183	17.094	0.4635	-0.21	-5.9805	167.37	1
3544_3544	3544	3544	85.2225	4.7115	-0.0105	-0.09	-0.636	114.9135	1
3544_3545	3544	3545	-58.1535	15.7335	0.5265	0.1185	-1.962	52.2255	1
3545_3545	3545	3545	86.7975	7.2675	0.015	-0.108	-1.173	85.785	1
3545_3546	3545	3546	-53.43	12.7815	0.4935	0.1035	5.8725	-140.138	1
3546_3546	3546	3546	89.235	10.551	-2.511	-0.123	-1.626	-14.157	1
3546_3547	3546	3547	-50.808	10.5585	0.1815	0.474	7.56	-239.384	1
3547_3547	3547	3547	92.343	12.5025	-2.811	0.1485	-24.7035	-103.94	1
3547_3548	3547	3548	-51.024	9.462	0.2925	-0.258	8.928	-291.896	1
3548_3548	3548	3548	-25.158	0.9105	-0.78	0.5205	7.908	78.1305	1
3548_3549	3548	3549	-55.4415	20.6985	-2.103	2.592	17.4735	-310.533	1
3549_3549	3549	3549	55.3365	20.367	0.513	-2.5935	17.025	317.037	1
3549_3550	3549	3550	21.225	0.189	0.3615	0.6885	-4.773	-63.9975	1
3550_3550	3550	3550	51.741	8.9295	0.0465	-0.54	7.6335	293.5755	1
3550_3551	3550	3551	-79.7745	12.837	-2.2755	0.1965	19.2435	95.208	1
3551_3551	3551	3551	52.482	10.1205	-0.231	0.078	8.4645	240.0825	1
3551_3552	3551	3552	-80.0535	11.0235	-1.995	0.072	2.301	2.4285	1
3552_3552	3552	3552	55.1685	12.594	-0.5325	-0.042	6.0315	150.4155	1
3552_3553	3552	3553	-71.5485	8.049	-0.513	0.213	-4.9395	-103.04	1
3553_3553	3553	3553	60.3135	15.6825	-0.498	0.2355	-2.208	-34.0515	1
3553_3554	3553	3554	-62.5905	5.427	-0.3315	0.342	-6.9825	-134.48	1
3554_3554	3554	3554	63.7185	17.25	-0.6495	0.0315	-5.8725	-145.725	1
3554_3555	3554	3555	-56.1135	3.9	-0.165	0.1665	-7.5795	-154.134	1
3555_3555	3555	3555	65.784	21.174	-0.516	0.171	-10.578	-265.826	1
3555_3556	3555	3556	-39.528	2.022	-0.6105	0.111	-13.011	-154.812	1
3556_3556	3556	3556	70.455	23.1015	-0.537	0.855	-16.797	-483.902	1
3556_3557	3556	3557	-27.4485	1.11	-0.444	0.423	-11.223	-130.071	1
3557_3557	3557	3557	75.4455	28.524	1.194	0.816	-18.8115	-537.125	1
3557_3293	3557	3293	19.353	0.375	-0.453	-0.216	9.1995	65.466	1
43000_3000	43000	3000	1.473	74.895	-0.636	1.185	0	10.9125	1
43000_3001	43000	3001	0.5265	5.4675	-0.9225	1.512	-13.7625	-77.1525	1
43001_3001	43001	3001	1.6965	62.3805	-0.789	0.177	-11.748	-917.864	1
43001_3002	43001	3002	-0.45	11.349	0.15	0.3	3.7725	532.8495	1
43002_3002	43002	3002	1.8675	59.2215	0.9795	2.3985	-23.4465	-1252.73	1
43002_3003	43002	3003	-0.63	13.8255	-0.255	-0.7545	3.0705	758.1195	1
43003_3003	43003	3003	1.9455	47.9985	1.089	-0.5085	-12.597	-1581.81	1
43003_3004	43003	3004	-1.0215	24.7635	-0.4275	0.9885	-0.2235	1076.859	1
43004_3004	43004	3004	1.9605	52.3515	0.354	1.896	1.11	-1737.23	1
43004_3005	43004	3005	-1.425	26.598	-0.15	-0.8745	-1.98	1436.277	1
43005_3005	43005	3005	1.95	42.483	0.3945	0.069	6.4545	-1912.38	1
43005_3006	43005	3006	-1.704	38.0325	-0.207	0.6165	-5.235	1634.382	1
43006_3006	43006	3006	1.92	48.8025	0.2955	3.042	12.7635	-1958.99	1
43006_3007	43006	3007	-1.86	33.645	-0.1815	-2.04	-8.922	1830.603	1
43007_3007	43007	3007	1.8855	39.216	0.3135	-0.888	18.075	-2060.77	1
43007_3008	43007	3008	-1.9365	43.6875	-0.2115	1.5345	-13.3965	1885.205	1
43008_3008	43008	3008	1.8525	45.5175	0.282	1.623	23.6595	-2044.07	1
43008_3009	43008	3009	-1.9575	37.4115	-0.222	-1.1955	-18.345	1989.227	1
43009_3009	43009	3009	1.8225	35.958	0.2895	-0.258	28.686	-2085.89	1
43009_3010	43009	3010	-1.947	47.2065	-0.2415	0.609	-23.736	1966.799	1
43010_3010	43010	3010	1.797	41.763	0.3405	2.343	33.48	-2012.72	1
43010_3011	43010	3011	-1.92	41.0505	-0.309	-1.815	-30.009	1998.194	1
43011_3011	43011	3011	1.77	32.244	0.336	-1.32	38.4315	-1995.8	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43011_3012	43011	3012	-1.887	50.883	-0.321	1.8555	-36.36	1905.351	1
43012_3012	43012	3012	1.737	37.0185	0.4275	0.8685	42.735	-1860.68	1
43012_3013	43012	3013	-1.8555	45.357	-0.408	-0.492	-43.56	1860.176	1
43013_3013	43013	3013	1.6695	27.717	0.3975	-0.753	46.9545	-1791.06	1
43013_3014	43013	3014	-1.827	55.317	-0.42	1.2	-50.667	1690.803	1
43014_3014	43014	3014	1.521	27.63	0.453	0.99	48.954	-1465.46	1
43014_3015	43014	3015	-1.8015	51.0315	-0.498	-0.423	-60.417	1337.534	1
43015_3015	43015	3015	1.2285	21.6075	0.4635	-2.0925	54.234	-1559.94	1
43015_3016	43015	3016	-2.337	65.0625	-0.459	2.736	-64.7115	1416.564	1
43016_3016	43016	3016	0.651	22.8585	-0.1905	1.0185	53.9265	-1255.23	1
43016_3017	43016	3017	-3.261	59.4285	-0.0345	-0.5685	-65.0505	1054.791	1
43017_3017	43017	3017	0.33	13.242	-0.1455	-1.59	46.4265	-977.493	1
43017_3018	43017	3018	-5.1615	69.576	0.0555	2.463	-61.8765	608.3895	1
43018_3018	43018	3018	0.078	9.048	-0.114	0.3585	39.903	-653.177	1
43018_3019	43018	3019	-7.1085	73.683	-0.348	0.2895	-61.9275	201.6	1
43019_3019	43019	3019	0.291	2.4705	-0.261	-1.1895	31.2195	-296.043	1
43019_3020	43019	3020	-10.0455	84.942	-0.2985	2.484	-60.372	-359.211	1
43020_3020	43020	3020	-31.836	77.091	0.1125	0.27	27.2355	274.1865	1
43020_3021	43020	3021	75.9045	12.3015	1.095	0.426	-70.782	551.448	1
43021_3021	43021	3021	-26.649	69.201	0.369	-0.3285	19.9965	-129.17	1
43021_3022	43021	3022	66.945	17.286	0.7515	1.323	-57.5505	693.219	1
43022_3022	43022	3022	-22.8045	61.23	0.543	-0.06	15.8355	-343.619	1
43022_3023	43022	3023	59.508	22.5285	0.543	1.125	-48.1455	758.0505	1
43023_3023	43023	3023	-20.241	60.1635	-0.1815	0.3285	13.716	-501.621	1
43023_3024	43023	3024	51.3345	22.743	0.9855	0.7755	-36.2205	829.998	1
43024_3024	43024	3024	-18.9105	51.894	-0.021	0.537	6.942	-665.799	1
43024_3025	43024	3025	43.3395	28.6065	0.8475	0.5415	-25.821	872.736	1
43025_3025	43025	3025	-18.81	44.1705	0.1575	-0.2625	2.589	-764.457	1
43025_3026	43025	3026	35.784	35.34	0.6615	1.5615	-17.772	869.4705	1
43026_3026	43026	3026	-19.5105	49.6065	0.24	2.2425	1.584	-878.099	1
43026_3027	43026	3027	29.6535	32.5875	0.786	-0.687	-11.061	963.444	1
43027_3027	43027	3027	-20.8425	43.6035	0.4185	0.5505	1.5225	-934.781	1
43027_3028	43027	3028	25.8825	37.683	0.606	0.807	-6.5655	967.236	1
43028_3028	43028	3028	-22.842	37.923	0.5625	0.801	3.363	-955.211	1
43028_3029	43028	3029	23.04	43.3485	0.4665	0.549	-3.6525	945.342	1
43029_3029	43029	3029	-25.6305	32.8095	0.738	-0.675	6.7905	-949.736	1
43029_3030	43029	3030	20.943	49.3395	0.2865	2.25	-2.6175	887.4405	1
43030_3030	43030	3030	-30.291	35.4825	0.648	1.8915	12.18	-851.808	1
43030_3031	43030	3031	19.5225	43.9785	0.192	-0.3855	-2.5245	771.4395	1
43031_3031	43031	3031	-36.0885	28.7295	0.825	0.9315	19.1445	-852.14	1
43031_3032	43031	3032	18.7125	51.7155	0.012	0.324	-5.5455	671.2005	1
43032_3032	43032	3032	-42.246	22.836	1.011	0.048	28.335	-805.067	1
43032_3033	43032	3033	19.1175	59.9805	-0.1695	1.212	-11.154	504.6345	1
43033_3033	43033	3033	-48.573	22.7145	0.495	2.199	39.687	-728.277	1
43033_3034	43033	3034	20.688	61.0455	0.606	-0.756	-11.7	344.094	1
43034_3034	43034	3034	-54.3255	17.4315	0.8385	0.0585	48.0705	-658.133	1
43034_3035	43034	3035	23.4195	68.9925	0.3735	0.408	-14.9325	126.705	1
43035_3035	43035	3035	-61.2705	12.363	1.0575	1.0005	61.5675	-510.609	1
43035_3036	43035	3036	27.2925	76.869	0.207	0.135	-20.346	-278.838	1
43036_3036	43036	3036	34.329	82.176	-0.207	2.103	46.6545	478.191	1
43036_3037	43036	3037	6.591	6.1935	0.12	0.9	0.411	293.7375	1
43037_3037	43037	3037	33.8175	71.1225	-0.267	0.7785	48.0825	-4.488	1
43037_3038	43037	3038	-12.138	10.293	-0.1785	0.0105	-32.643	578.529	1
43038_3038	43038	3038	32.8005	66.972	0.303	2.5455	48.5535	-332.577	1
43038_3039	43038	3039	-16.9305	14.3805	-0.2475	-1.5225	-38.814	857.4	1
43039_3039	43039	3039	30.657	57.0825	0.1785	0.0705	54.8175	-703.566	1
43039_3040	43039	3040	-21.9855	23.7375	-0.3195	0.7935	-46.917	1080.246	1
43040_3040	43040	3040	29.0625	62.1285	-0.351	2.103	57.27	-1012.48	1
43040_3041	43040	3041	-25.8735	22.794	0.492	-1.368	-46.935	1327.049	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43041_3041	43041	3041	26.5155	48.0615	-0.3255	0.5595	54.39	-888.74	1
43041_3042	43041	3042	-27.846	28.818	0.507	0.297	-41.127	1174.863	1
43042_3042	43042	3042	24.9195	52.4655	-0.084	1.368	48.711	-1184.93	1
43042_3043	43042	3043	-29.364	27.9555	0.195	-0.5775	-43.1385	1399.641	1
43043_3043	43043	3043	23.6025	41.964	-0.066	0.1935	47.1375	-1333.49	1
43043_3044	43043	3044	-29.1855	37.56	0.1965	0.654	-42.9945	1400.724	1
43044_3044	43044	3044	22.7565	47.352	0.0495	2.0835	45.5295	-1367.81	1
43044_3045	43044	3045	-28.026	32.34	0.075	-1.095	-43.9665	1473.11	1
43045_3045	43045	3045	22.4085	37.0065	0.048	-0.7335	45.2325	-1457.4	1
43045_3046	43045	3046	-26.5245	42.369	0.09	1.7475	-44.3295	1434.395	1
43046_3046	43046	3046	22.458	42.6675	0.0795	0.237	44.553	-1436.81	1
43046_3047	43046	3047	-24.9525	36.5745	0.075	0.381	-44.772	1461.534	1
43047_3047	43047	3047	22.6575	32.5695	0.1155	0.258	44.2395	-1477.59	1
43047_3048	43047	3048	-23.6445	46.9275	0.036	0.3705	-45.3645	1377.008	1
43048_3048	43048	3048	22.7565	37.614	0.1635	-0.162	43.8225	-1406.57	1
43048_3049	43048	3049	-22.7865	41.451	-0.018	0.747	-46.707	1349.511	1
43049_3049	43049	3049	22.1925	27.948	0.192	0.0795	43.725	-1405.47	1
43049_3050	43049	3050	-22.4415	52.035	-0.0645	0.5175	-48.2235	1205.612	1
43050_3050	43050	3050	20.238	28.71	0.4335	0.072	41.952	-1180.9	1
43050_3051	43050	3051	-22.503	47.5425	-0.2475	0.6435	-52.9485	914.952	1
43051_3051	43051	3051	18.372	22.5705	0.444	-0.948	46.707	-1325.24	1
43051_3052	43051	3052	-23.3205	61.9035	-0.288	1.5915	-55.68	1023.33	1
43052_3052	43052	3052	14.877	23.8365	-0.33	0.348	46.425	-1083.16	1
43052_3053	43052	3053	-24.1725	56.565	0.213	0.327	-53.0895	713.9085	1
43053_3053	43053	3053	10.62	14.277	-0.24	-1.371	38.301	-872.096	1
43053_3054	43053	3054	-25.602	66.711	0.3015	2.3205	-47.2455	344.4645	1
43054_3054	43054	3054	6.8535	10.011	-0.0765	0.2415	32.2005	-597.59	1
43054_3055	43054	3055	-26.1495	71.058	-0.4275	0.831	-49.08	11.205	1
43055_3055	43055	3055	-17.9445	5.0445	-0.057	0.9555	-8.892	-260.048	1
43055_3056	43055	3056	-26.7225	82.4595	-0.3465	2.3805	-49.428	-479.558	1
43056_3056	43056	3056	-31.776	76.1775	0.261	0.1365	17.9565	182.2395	1
43056_3057	43056	3057	67.3485	12.252	0.888	0.732	-56.0535	535.8105	1
43057_3057	43057	3057	-27.6345	68.262	0.4755	-0.291	13.653	-217.134	1
43057_3058	43057	3058	60.1905	17.5425	0.5895	1.3635	-45.159	688.695	1
43058_3058	43058	3058	-24.5925	60.333	0.6315	-0.042	11.742	-429.467	1
43058_3059	43058	3059	54.267	22.986	0.3975	1.1625	-37.866	769.995	1
43059_3059	43059	3059	-22.6395	59.631	-0.216	0.8175	11.7555	-582.156	1
43059_3060	43059	3060	47.6325	23.2395	0.858	0.429	-27.951	854.073	1
43060_3060	43060	3060	-21.738	51.4905	-0.0615	-0.0855	5.94	-742.919	1
43060_3061	43060	3061	41.1255	29.2035	0.7005	1.3665	-19.758	906.603	1
43061_3061	43061	3061	-21.9165	43.887	0.0705	0.2115	2.2725	-837.069	1
43061_3062	43061	3062	34.9815	35.9955	0.5955	1.14	-12.984	910.2765	1
43062_3062	43062	3062	-22.7475	49.467	0.2715	0.798	1.1565	-947.54	1
43062_3063	43062	3063	30.045	33.1695	0.588	0.609	-8.055	1011.633	1
43063_3063	43063	3063	-24.156	43.5465	0.393	0.9795	1.8	-1001.72	1
43063_3064	43063	3064	27.024	38.2575	0.471	0.396	-4.6935	1018.49	1
43064_3064	43064	3064	-26.187	37.938	0.51	1.1625	3.8475	-1019.71	1
43064_3065	43064	3065	24.78	43.8855	0.351	0.153	-2.6985	998.8425	1
43065_3065	43065	3065	-28.9785	32.8815	0.666	-0.3615	7.197	-1011.93	1
43065_3066	43065	3066	23.163	49.818	0.192	1.8255	-2.3415	943.2855	1
43066_3066	43066	3066	-33.6135	35.7105	0.6015	1.557	12.2985	-909.332	1
43066_3067	43066	3067	22.125	44.13	0.06	0.018	-3.3105	830.1795	1
43067_3067	43067	3067	-39.438	28.9395	0.7065	1.824	18.846	-905.133	1
43067_3068	43067	3068	21.675	51.762	-0.072	-0.378	-6.777	733.89	1
43068_3068	43068	3068	-45.603	23.0295	0.915	-0.303	26.787	-853.668	1
43068_3069	43068	3069	22.3065	59.9295	-0.252	1.707	-12.582	571.9965	1
43069_3069	43069	3069	-51.9375	22.866	0.4395	1.95	36.9345	-770.633	1
43069_3070	43069	3070	24.0015	60.507	0.585	-0.396	-12.5835	417.42	1
43070_3070	43070	3070	-57.5595	17.478	0.6945	1.1055	44.3145	-692.918	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43070_3071	43070	3071	26.769	68.4555	0.3945	-0.009	-14.8815	204.7995	1
43071_3071	43071	3071	-64.3875	12.282	0.9885	0.573	55.722	-545.043	1
43071_3072	43071	3072	30.6195	76.374	0.177	0.399	-19.749	-196.428	1
43072_3072	43072	3072	28.5735	81.8415	-0.324	2.1915	47.763	425.7435	1
43072_3073	43072	3073	4.1715	5.622	0.072	0.7605	-7.488	235.803	1
43073_3073	43073	3073	27.2925	70.4535	-0.39	0.876	47.0205	-80.148	1
43073_3074	43073	3074	-8.847	10.0755	-0.0765	-0.063	-32.1255	597.288	1
43074_3074	43074	3074	25.635	66.165	0.1725	2.874	44.955	-427.152	1
43074_3075	43074	3075	-12.804	14.3535	-0.141	-1.7445	-36.5235	879.6915	1
43075_3075	43075	3075	22.9875	56.085	0.096	-0.0765	49.05	-810.698	1
43075_3076	43075	3076	-17.0505	24.072	-0.1695	1.0455	-41.9865	1098.687	1
43076_3076	43076	3076	21.132	61.7055	-0.117	3.228	50.307	-1132.87	1
43076_3077	43076	3077	-20.2095	22.668	0.2175	-2.3295	-43.3545	1354.253	1
43077_3077	43077	3077	18.474	48.654	-0.1725	0.0405	49.452	-1090.97	1
43077_3078	43077	3078	-21.588	28.9095	0.222	1.005	-41.901	1271.915	1
43078_3078	43078	3078	16.9695	53.0175	-0.156	0.6645	46.287	-1356.6	1
43078_3079	43078	3079	-22.281	28.059	0.231	-0.0585	-42.093	1499.378	1
43079_3079	43079	3079	15.7905	43.269	-0.123	0.7935	43.893	-1501.55	1
43079_3080	43079	3080	-21.792	37.161	0.234	-0.18	-41.0085	1526.889	1
43080_3080	43080	3080	15.0435	48.9915	-0.021	1.329	41.901	-1540.9	1
43080_3081	43080	3081	-20.448	31.9815	0.09	-0.5775	-40.989	1621.113	1
43081_3081	43081	3081	14.769	39.357	-0.0105	-0.1365	41.004	-1634.93	1
43081_3082	43081	3082	-18.843	41.364	0.0945	0.876	-40.656	1615.622	1
43082_3082	43082	3082	15.015	44.775	0.069	1.092	40.176	-1596.94	1
43082_3083	43082	3083	-17.298	35.2635	0.03	-0.351	-40.833	1642.755	1
43083_3083	43083	3083	15.7425	34.6035	0.0765	-0.423	40.257	-1645.56	1
43083_3084	43083	3084	-15.951	45.483	0.018	1.173	-41.1435	1586.217	1
43084_3084	43084	3084	16.713	40.641	0.0615	0.915	40.3785	-1613.26	1
43084_3085	43084	3085	-15.0855	40.0065	0.0345	-0.159	-41.274	1618.085	1
43085_3085	43085	3085	17.7525	31.3245	0.0645	-0.6705	40.161	-1614.16	1
43085_3086	43085	3086	-14.7825	49.695	0.0255	1.4445	-41.421	1516.595	1
43086_3086	43086	3086	18.5985	36.4845	0.1845	0.519	39.804	-1518	1
43086_3087	43086	3087	-14.9565	43.938	-0.1245	0.258	-43.227	1469.859	1
43087_3087	43087	3087	18.774	27.4335	0.165	-0.8085	40.2615	-1487.09	1
43087_3088	43087	3088	-15.5595	53.748	-0.135	1.5975	-45.0975	1318.116	1
43088_3088	43088	3088	17.9415	29.0445	0.444	0.2775	39.333	-1276.06	1
43088_3089	43088	3089	-16.488	49.0125	-0.339	0.5235	-50.0295	1076.826	1
43089_3089	43089	3089	16.578	22.728	0.438	-1.323	43.6095	-1350.71	1
43089_3090	43089	3090	-18.3555	61.542	-0.3495	2.043	-52.764	1112.702	1
43090_3090	43090	3090	13.647	23.808	-0.2805	0.522	43.746	-1095.35	1
43090_3091	43090	3091	-19.8615	56.0145	0.216	0.2115	-50.016	797.4075	1
43091_3091	43091	3091	9.873	13.983	-0.2055	-1.362	36.675	-867.93	1
43091_3092	43091	3092	-22.1715	66.249	0.2895	2.3445	-44.4465	410.901	1
43092_3092	43092	3092	6.396	9.8145	-0.018	0	31.4835	-582.66	1
43092_3093	43092	3093	-23.631	70.3455	-0.486	0.7545	-47.5335	66.9795	1
43093_3093	43093	3093	-5.448	5.724	-0.0135	0.843	1.0785	-262.44	1
43093_3094	43093	3094	-24.978	81.963	-0.417	2.0745	-49.3125	-440.879	1
43094_3094	43094	3094	-32.0175	75.7275	0.3135	0.405	15.7035	189.3795	1
43094_3095	43094	3095	66.681	12.174	0.807	0.4185	-50.943	532.119	1
43095_3095	43095	3095	-27.912	67.644	0.549	-0.3495	12.4575	-209.646	1
43095_3096	43095	3096	59.7555	17.4525	0.474	1.575	-41.655	678.3855	1
43096_3096	43096	3096	-24.849	59.568	0.702	-0.0495	11.6415	-419.637	1
43096_3097	43096	3097	54.039	22.956	0.2895	1.368	-35.667	756.3045	1
43097_3097	43097	3097	-22.806	59.2605	-0.2325	0.7545	12.7215	-569.369	1
43097_3098	43097	3098	47.5695	23.0235	0.8295	0.3705	-26.391	839.5785	1
43098_3098	43098	3098	-21.762	51.042	-0.0795	-0.174	7.2315	-729.473	1
43098_3099	43098	3099	41.2125	29.0385	0.681	1.353	-18.7455	891.0195	1
43099_3099	43099	3099	-21.7275	43.3815	0.051	0.0915	3.8535	-821.79	1
43099_3100	43099	3100	35.1825	35.9205	0.5835	1.185	-12.3885	892.8765	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43100_3100	43100	3100	-22.356	49.4805	0.3225	-4.155	2.9235	-930.207	1
43100_3101	43100	3101	30.309	32.7375	0.4635	3.876	-8.4735	994.7595	1
43101_3101	43101	3101	-23.535	43.4895	0.444	-4.212	4.224	-986.039	1
43101_3102	43101	3102	27.303	37.854	0.3675	4.5165	-5.874	1002.471	1
43102_3102	43102	3102	-25.3245	37.824	0.3525	5.409	6.9795	-1006	1
43102_3103	43102	3103	25.029	43.53	0.4725	-5.1465	-3.2265	983.7645	1
43103_3103	43103	3103	-27.8565	32.7045	0.498	2.8725	9.756	-998.457	1
43103_3104	43103	3104	23.3655	49.512	0.3075	-3.0825	-2.304	928.188	1
43104_3104	43104	3104	-32.1165	35.8635	0.5865	1.6845	14.2815	-897.335	1
43104_3105	43104	3105	22.2405	43.383	0.054	-0.3615	-3.495	820.464	1
43105_3105	43105	3105	-37.557	28.9725	0.7275	0.5325	21.0405	-895.883	1
43105_3106	43105	3106	21.6135	51.0525	-0.1035	0.5715	-7.4745	729.0315	1
43106_3106	43106	3106	-43.3515	22.953	0.8265	0.7485	29.487	-844.724	1
43106_3107	43106	3107	21.9975	59.2815	-0.231	0.3735	-13.3785	569.658	1
43107_3107	43107	3107	-49.2945	22.899	0.3075	1.0185	39.144	-761.654	1
43107_3108	43107	3108	23.3955	59.5185	0.672	-0.0405	-12.9615	421.2	1
43108_3108	43108	3108	-54.516	17.3775	0.4875	1.2345	45.678	-683.784	1
43108_3109	43108	3109	25.836	67.611	0.5265	-0.2745	-14.3625	212.094	1
43109_3109	43109	3109	-60.8805	12.0795	0.7485	0.7365	55.611	-536.729	1
43109_3110	43109	3110	29.334	75.714	0.33	0.0615	-17.826	-186.587	1
43110_3110	43110	3110	28.74	80.481	-0.4635	2.3685	55.602	395.736	1
43110_3111	43110	3111	8.802	3.546	-0.042	0.4815	3.4605	187.698	1
43111_3111	43111	3111	27.7545	68.6745	-0.5565	0.552	54.291	-92.409	1
43111_3112	43111	3112	-8.901	10.4295	0.027	0.381	-34.203	597.7305	1
43112_3112	43112	3112	26.565	64.5795	0.1185	2.448	51.1005	-411.623	1
43112_3113	43112	3113	-12.888	14.6115	-0.108	-1.461	-38.8935	873.768	1
43113_3113	43113	3113	24.387	54.2175	0.0165	-0.075	54.8325	-770.415	1
43113_3114	43113	3114	-17.1525	24.5865	-0.1605	0.849	-45.1005	1086.62	1
43114_3114	43114	3114	22.9095	59.817	-0.552	0.9555	55.41	-1059.81	1
43114_3115	43114	3115	-20.469	23.436	0.564	-0.4245	-44.3085	1326.524	1
43115_3115	43115	3115	20.8665	46.5675	-0.537	0.7485	50.8395	-987.198	1
43115_3116	43115	3116	-22.086	29.847	0.57	-0.2145	-38.0835	1212.905	1
43116_3116	43116	3116	19.722	51.5625	-0.2055	2.0265	42.483	-1219.95	1
43116_3117	43116	3117	-23.22	28.146	0.2385	-1.176	-38.16	1410.153	1
43117_3117	43117	3117	18.8565	41.4375	-0.2175	-0.6525	39.4155	-1351.31	1
43117_3118	43117	3118	-23.124	37.488	0.279	1.584	-36.378	1413.788	1
43118_3118	43118	3118	18.405	47.427	-0.1905	1.9545	36.114	-1375.51	1
43118_3119	43118	3119	-22.263	31.8825	0.24	-1.089	-34.5105	1485.756	1
43119_3119	43119	3119	18.4365	37.3905	-0.1995	-0.9495	33.078	-1456.25	1
43119_3120	43119	3120	-21.126	41.502	0.273	1.8465	-31.89	1456.749	1
43120_3120	43120	3120	19.0335	43.0995	-0.1155	0.789	29.883	-1403.1	1
43120_3121	43120	3121	-19.962	35.0715	0.2025	-0.0975	-29.6505	1465.94	1
43121_3121	43121	3121	20.1435	32.535	-0.1065	-0.492	27.6375	-1438.46	1
43121_3122	43121	3122	-18.96	45.651	0.198	1.212	-27.336	1388.937	1
43122_3122	43122	3122	21.4965	38.94	-0.084	0.6435	25.575	-1388.7	1
43122_3123	43122	3123	-18.4155	39.9495	0.18	0.0975	-25.4385	1402.098	1
43123_3123	43123	3123	22.914	29.283	-0.0795	-0.6765	23.967	-1378.76	1
43123_3124	43123	3124	-18.417	49.9845	0.174	1.4505	-23.571	1281.857	1
43124_3124	43124	3124	24.054	34.803	0.1005	1.215	22.3935	-1271.65	1
43124_3125	43124	3125	-18.915	44.004	0	-0.2205	-23.754	1219.304	1
43125_3125	43125	3125	24.3195	25.5225	0.063	-1.239	22.6365	-1236.82	1
43125_3126	43125	3126	-19.8675	54.1335	0.003	2.2245	-24.0675	1049.706	1
43126_3126	43126	3126	23.3685	27.5265	0.132	0.453	21.7905	-1035.09	1
43126_3127	43126	3127	-21.1755	49.341	-0.0045	0.4665	-24.5775	800.037	1
43127_3127	43127	3127	21.8175	21.1335	0.147	-1.134	22.9065	-1097.96	1
43127_3128	43127	3128	-23.5005	62.082	0.009	1.842	-24.771	810.651	1
43128_3128	43128	3128	18.387	22.8825	0.108	1.0365	22.7565	-860.607	1
43128_3129	43128	3129	-25.227	56.1495	-0.0855	0.132	-26.0025	488.265	1
43129_3129	43129	3129	13.848	13.035	0.1515	-1.254	23.319	-664.626	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43129_3130	43129	3130	-27.7245	66.39	-0.0285	2.1975	-25.9215	106.9875	1
43130_3130	43130	3130	9.684	8.2155	-1.3845	-0.141	25.7985	-402.519	1
43130_3131	43130	3131	-29.1945	70.959	0.7515	0.8415	-15.9	-234.018	1
43131_3131	43131	3131	-6.9225	6.198	0.4605	0.363	17.19	-376.851	1
43131_3132	43131	3132	-30.8565	82.5135	0.8565	1.2735	-4.233	-667.107	1
43132_3132	43132	3132	-33.2805	76.9485	2.088	-2.3025	-21.5205	379.3815	1
43132_3133	43132	3133	73.5855	8.625	-1.4145	1.965	-20.31	369.8415	1
43133_3133	43133	3133	-28.3905	68.355	2.118	-2.475	-3.441	-110.916	1
43133_3134	43133	3134	65.034	14.487	-1.5195	2.436	-27.9255	567.8475	1
43134_3134	43134	3134	-24.6435	59.7195	1.809	2.526	9.9525	-340.41	1
43134_3135	43134	3135	58.4355	20.259	-1.0065	-6.135	-33.5295	662.0055	1
43135_3135	43135	3135	-21.873	58.59	-0.5565	0.462	20.7315	-506.978	1
43135_3136	43135	3136	51.036	21.4845	0.9495	0.339	-24.84	755.2305	1
43136_3136	43136	3136	-20.163	49.9215	-0.4425	0.5925	13.557	-673.38	1
43136_3137	43136	3137	43.7925	27.8325	0.9	0.144	-16.8285	814.932	1
43137_3137	43137	3137	-19.4985	41.9055	-0.3	-0.3825	8.055	-768.584	1
43137_3138	43137	3138	36.8925	35.046	0.8055	1.254	-9.861	819.525	1
43138_3138	43138	3138	-19.6875	48.7815	0.171	0.7695	4.9095	-872.84	1
43138_3139	43138	3139	31.2015	31.2615	0.411	0.1275	-6.9855	924.447	1
43139_3139	43139	3139	-20.4495	42.4785	0.2475	0.9165	5.6175	-932.162	1
43139_3140	43139	3140	27.6345	36.6135	0.3345	-0.0645	-5.0235	936.426	1
43140_3140	43140	3140	-21.8415	36.5235	0.357	-0.7905	7.1865	-952.301	1
43140_3141	43140	3141	24.831	42.5715	0.21	1.674	-4.2075	919.653	1
43141_3141	43141	3141	-24.03	31.179	0.39	1.1295	9.828	-943.776	1
43141_3142	43141	3142	22.6395	48.879	0.168	-0.3135	-4.083	863.6925	1
43142_3142	43142	3142	-27.891	34.6965	0.3405	0.984	13.155	-842.814	1
43142_3143	43142	3143	21.0075	42.3255	0.0615	-0.2055	-4.971	759.3735	1
43143_3143	43143	3143	-32.9865	27.4785	0.4425	-0.231	17.088	-839.615	1
43143_3144	43143	3144	19.731	50.3715	-0.045	0.8535	-7.71	665.9145	1
43144_3144	43144	3144	-38.4375	21.1755	0.4575	1.053	22.1415	-782.868	1
43144_3145	43144	3145	19.506	59.0445	-0.1035	-0.393	-11.4135	501.0255	1
43145_3145	43145	3145	-44.067	20.958	-0.1575	-0.081	27.36	-691.335	1
43145_3146	43145	3146	20.31	59.685	0.8235	0.3105	-8.358	342.4995	1
43146_3146	43146	3146	-49.0305	15.1965	-0.072	1.0395	28.524	-603.773	1
43146_3147	43146	3147	22.2555	68.1525	0.771	-0.414	-5.844	120.912	1
43147_3147	43147	3147	-55.0335	9.6915	0.132	0.51	31.725	-437.768	1
43147_3148	43147	3148	25.35	76.5975	0.6435	-0.027	-3.8715	-294.824	1
43148_3148	43148	3148	45.336	79.566	-0.2895	1.047	32.5215	547.7565	1
43148_3149	43148	3149	21.432	4.2285	0.042	0.4545	-2.511	308.079	1
43149_3149	43149	3149	46.3005	67.9635	-0.3405	0.33	30.8655	86.697	1
43149_3150	43149	3150	-18.744	10.44	-0.114	-0.0195	-22.6245	495.558	1
43150_3150	43150	3150	46.7955	63.591	0.18	0.834	28.383	-209.948	1
43150_3151	43150	3151	-25.119	14.874	-0.126	-0.408	-25.2015	745.341	1
43151_3151	43151	3151	45.843	53.5575	0.1095	0.3	31.1805	-538.796	1
43151_3152	43151	3152	-31.9215	24.618	-0.2325	-0.1185	-30.0255	922.0215	1
43152_3152	43152	3152	45.111	58.8015	-0.1575	0.3075	31.791	-821.582	1
43152_3153	43152	3153	-37.2885	23.49	0.372	0.0675	-28.842	1135.787	1
43153_3153	43153	3153	44.1645	46.0305	-0.099	0.444	29.5035	-762.372	1
43153_3154	43153	3154	-40.1925	29.9025	0.33	-0.1065	-25.344	1022.249	1
43154_3154	43154	3154	43.7115	50.1405	-0.1065	0.9825	27.2925	-965.934	1
43154_3155	43154	3155	-43.173	28.245	0.219	-0.378	-24.8805	1176.026	1
43155_3155	43155	3155	43.4535	39.8625	-0.1065	-0.1245	25.416	-1083.59	1
43155_3156	43155	3156	-44.361	37.662	0.2445	0.783	-23.2155	1159.614	1
43156_3156	43156	3156	43.4955	45.525	0.015	0.24	23.676	-1134.12	1
43156_3157	43156	3157	-44.541	33.1335	0.105	0.234	-23.004	1232.72	1
43157_3157	43157	3157	43.7715	36.327	0.0435	0.3165	23.3685	-1199.46	1
43157_3158	43157	3158	-44.3205	42.102	0.081	0.1455	-22.8105	1189.379	1
43158_3158	43158	3158	44.1435	42.0465	0.099	0.207	23.2845	-1182.66	1
43158_3159	43158	3159	-43.902	36.5205	0.0315	0.276	-23.175	1201.754	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43159_3159	43159	3159	44.349	33.0615	0.123	0.258	23.814	-1223.05	1
43159_3160	43159	3160	-43.5585	45.6705	0.003	0.2055	-23.7765	1132.569	1
43160_3160	43160	3160	44.1795	37.611	0.2595	0.8205	24.354	-1147.34	1
43160_3161	43160	3161	-43.437	40.245	-0.126	-0.141	-25.9335	1077.152	1
43161_3161	43161	3161	43.0425	28.194	0.2325	-0.363	26.2725	-1160.06	1
43161_3162	43161	3162	-43.611	50.424	-0.123	0.96	-28.218	955.005	1
43162_3162	43162	3162	40.1415	29.679	0.357	-0.3945	26.994	-1001.47	1
43162_3163	43162	3163	-44.0025	46.563	-0.093	0.6105	-30.531	743.4915	1
43163_3163	43163	3163	37.2885	23.2935	0.429	0.627	30.9045	-1108.58	1
43163_3164	43163	3164	-44.913	59.238	-0.195	-0.3405	-33.504	798.132	1
43164_3164	43164	3164	32.013	24.132	-0.291	-0.2175	32.505	-889.856	1
43164_3165	43164	3165	-45.669	54.456	0.1755	0.3495	-32.3835	504.684	1
43165_3165	43165	3165	25.2465	14.5095	-0.168	-0.372	26.913	-705.095	1
43165_3166	43165	3166	-46.671	64.431	0.2385	0.7575	-29.0835	161.6415	1
43166_3166	43166	3166	18.861	10.0485	-0.12	-0.0495	23.6745	-453.183	1
43166_3167	43166	3167	-46.2765	69.2265	-0.3765	0.354	-32.193	-150.281	1
43167_3167	43167	3167	-22.101	4.932	-0.012	0.507	3.435	-365.786	1
43167_3168	43167	3168	-45.3795	80.649	-0.318	1.095	-34.2375	-622.563	1
43168_3168	43168	3168	-28.326	77.5995	0.549	0.339	5.169	313.317	1
43168_3169	43168	3169	60.003	9.8895	0.3315	0.2595	-33.156	431.973	1
43169_3169	43169	3169	-24.8265	69.36	0.705	-0.144	6.0405	-111.246	1
43169_3170	43169	3170	53.721	15.2205	0.0915	0.8445	-28.5585	601.4355	1
43170_3170	43170	3170	-22.491	61.0665	0.804	0.0285	7.989	-340.886	1
43170_3171	43170	3171	48.4725	20.7855	-0.066	0.7035	-26.6535	692.004	1
43171_3171	43171	3171	-21.2925	59.9985	-0.063	0.0975	11.022	-509.703	1
43171_3172	43171	3172	42.4485	21.2115	0.489	0.5895	-21.2235	786.1725	1
43172_3172	43172	3172	-21.207	51.4425	0.021	0.2025	7.731	-681.149	1
43172_3173	43172	3173	36.6135	27.3495	0.4155	0.501	-16.569	847.0155	1
43173_3173	43173	3173	-22.233	43.4505	0.1065	0.315	5.6565	-782.634	1
43173_3174	43173	3174	31.0965	34.386	0.336	0.381	-12.9255	857.367	1
43174_3174	43174	3174	-23.7165	49.161	0.2205	-0.729	5.1555	-894.698	1
43174_3175	43174	3175	26.799	31.596	0.447	1.341	-9.6585	961.7475	1
43175_3175	43175	3175	-25.797	42.954	0.276	1.302	5.712	-951.297	1
43175_3176	43175	3176	24.2985	36.8805	0.4035	-0.555	-7.035	972.3675	1
43176_3176	43176	3176	-28.5105	37.077	0.414	-0.5235	7.0875	-969.276	1
43176_3177	43176	3177	22.6095	42.747	0.273	1.269	-5.685	954.8895	1
43177_3177	43177	3177	-32.0085	31.779	0.4485	1.3605	9.7695	-959.031	1
43177_3178	43177	3178	21.5715	48.9465	0.216	-0.7695	-5.1555	898.848	1
43178_3178	43178	3178	-37.59	34.587	0.3105	0.843	13.1115	-854.565	1
43178_3179	43178	3179	21.1365	43.392	0.108	0.0885	-5.6175	786.45	1
43179_3179	43179	3179	-44.343	27.5595	0.3795	0.9945	16.521	-844.766	1
43179_3180	43179	3180	21.519	51.357	0.027	-0.1365	-7.6395	684.831	1
43180_3180	43180	3180	-51.375	21.4155	0.504	-0.0135	20.736	-784.152	1
43180_3181	43180	3181	23.0085	59.883	-0.081	0.8445	-11.043	513.0975	1
43181_3181	43181	3181	-58.4655	20.9415	-0.105	1.14	26.223	-690.945	1
43181_3182	43181	3182	25.5525	61.1565	0.798	-0.336	-7.989	344.22	1
43182_3182	43182	3182	-64.77	15.405	0.123	0.192	27.6735	-600.318	1
43182_3183	43182	3183	29.2035	69.3975	0.672	0.21	-6.2325	113.7945	1
43183_3183	43183	3183	-72.2535	10.086	0.276	0.588	32.3865	-431.325	1
43183_3184	43183	3184	33.9795	77.5845	0.5745	0.1215	-4.935	-310.145	1
43184_3184	43184	3184	35.847	83.412	-0.264	1.119	32.6775	698.196	1
43184_3185	43184	3185	9.615	5.9775	0.096	0.579	-5.4645	301.4235	1
43185_3185	43185	3185	35.8125	72.2235	-0.3255	0.402	31.086	192.6435	1
43185_3186	43185	3186	-12.696	9.021	-0.1785	-0.078	-24.114	435.4425	1
43186_3186	43186	3186	35.3655	67.2135	0.4035	0.9765	28.419	-160.784	1
43186_3187	43186	3187	-17.745	13.4925	-0.267	-0.5235	-28.416	702.879	1
43187_3187	43187	3187	33.7875	57.2205	0.336	0.3375	33.966	-549.444	1
43187_3188	43187	3188	-23.2275	22.8855	-0.3975	-0.129	-35.2815	913.4595	1
43188_3188	43188	3188	32.715	61.3485	-0.009	0.513	37.056	-879.243	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43188_3189	43188	3189	-27.51	22.449	0.303	-0.0405	-34.926	1153.532	1
43189_3189	43189	3189	31.428	48.8685	0.063	0.6255	35.823	-843.624	1
43189_3190	43189	3190	-29.7465	28.7235	0.2475	-0.201	-32.781	1070.585	1
43190_3190	43190	3190	30.81	52.1475	0.057	0.6285	35.787	-1083.55	1
43190_3191	43190	3191	-31.803	27.9285	0.1635	0.0225	-33.5115	1257.279	1
43191_3191	43191	3191	30.438	42.246	0.1095	0.7395	35.76	-1219.47	1
43191_3192	43191	3192	-32.4045	37.0695	0.123	-0.111	-33.786	1269.426	1
43192_3192	43192	3192	30.4005	47.1645	0.138	0.522	36.285	-1287.93	1
43192_3193	43192	3193	-32.1705	33.2985	0.0675	0.132	-34.833	1361.916	1
43193_3193	43193	3193	30.606	38.2755	0.183	0.621	37.1985	-1363.69	1
43193_3194	43193	3194	-31.674	42.0255	0.027	0.0015	-35.874	1337.999	1
43194_3194	43194	3194	30.912	43.197	0.3045	0.408	38.424	-1358.24	1
43194_3195	43194	3195	-31.068	37.212	-0.1155	0.2085	-38.493	1361.637	1
43195_3195	43195	3195	31.071	34.5405	0.333	0.495	40.767	-1402.41	1
43195_3196	43195	3196	-30.5985	46.0995	-0.162	0.0825	-41.5485	1303.73	1
43196_3196	43196	3196	30.924	38.313	0.4605	-0.5655	42.753	-1331.87	1
43196_3197	43196	3197	-30.3885	41.46	-0.2535	0.93	-45.9375	1251.701	1
43197_3197	43197	3197	30.012	29.286	0.5115	0.8985	46.11	-1340.3	1
43197_3198	43197	3198	-30.4845	51.309	-0.3345	-0.525	-51.204	1133.253	1
43198_3198	43198	3198	27.7125	30.06	0.4395	0.159	48.2595	-1174.82	1
43198_3199	43198	3199	-30.801	48.3765	-0.2505	0.3705	-56.346	910.26	1
43199_3199	43199	3199	25.437	23.889	0.465	-0.4605	52.0785	-1279.85	1
43199_3200	43199	3200	-31.626	60.699	-0.2805	0.942	-59.871	971.589	1
43200_3200	43200	3200	21.336	23.9205	-0.2505	0.255	52.002	-1047.77	1
43200_3201	43200	3201	-32.421	57.267	0.0675	0.192	-59.4885	654.8355	1
43201_3201	43201	3201	16.236	14.727	-0.1845	-1.197	44.211	-838.541	1
43201_3202	43201	3202	-33.618	67.11	0.174	1.9245	-55.6935	285.6555	1
43202_3202	43202	3202	11.6205	10.2705	-0.0105	-0.3255	37.626	-568.493	1
43202_3203	43202	3203	-33.7425	72.4245	-0.5295	0.7455	-58.8705	-50.121	1
43203_3203	43203	3203	-9.2535	4.5735	-0.015	0.8625	-3.9075	-225.753	1
43203_3204	43203	3204	-33.6495	83.3025	-0.4635	2.0745	-60.306	-537.24	1
43204_3204	43204	3204	-32.202	78.231	0.2385	-0.2145	21.0075	247.539	1
43204_3205	43204	3205	68.0445	12.237	0.831	1.293	-61.905	527.31	1
43205_3205	43205	3205	-27.966	70.689	0.3645	0.198	15.966	-168.119	1
43205_3206	43205	3206	60.918	17.2425	0.678	0.1785	-49.7835	693.516	1
43206_3206	43206	3206	-24.906	63.042	0.5415	-0.462	12.486	-392.799	1
43206_3207	43206	3207	54.927	22.3515	0.426	1.227	-41.8275	775.494	1
43207_3207	43207	3207	-23.022	61.326	0.0195	0.4965	11.076	-562.877	1
43207_3208	43207	3208	48.2115	23.0235	0.828	0.735	-31.5675	859.4415	1
43208_3208	43208	3208	-22.3245	53.328	0.1725	0.7275	6.69	-734.564	1
43208_3209	43208	3209	41.6535	28.74	0.687	0.4455	-23.175	914.6085	1
43209_3209	43209	3209	-22.8255	45.765	0.348	-0.3165	4.581	-841.01	1
43209_3210	43209	3210	35.4345	35.2395	0.492	1.677	-17.211	924.471	1
43210_3210	43210	3210	-23.976	50.025	0.2925	0.954	5.628	-964.689	1
43210_3211	43210	3211	30.3735	33.4455	0.705	0.342	-11.727	1026.939	1
43211_3211	43211	3211	-25.7685	44.211	0.429	1.1505	6.372	-1020.3	1
43211_3212	43211	3212	27.309	38.442	0.576	0.0945	-8.037	1034.931	1
43212_3212	43212	3212	-28.2375	38.688	0.606	-0.66	8.619	-1040.54	1
43212_3213	43212	3213	25.065	43.953	0.3945	1.95	-6.123	1017.636	1
43213_3213	43213	3213	-31.518	33.675	0.6855	1.476	12.702	-1035.29	1
43213_3214	43213	3214	23.5005	49.7565	0.2925	-0.2655	-5.5545	965.0655	1
43214_3214	43214	3214	-36.831	35.4825	0.504	-0.261	17.9085	-935.504	1
43214_3215	43214	3215	22.5735	45.621	0.3165	1.1445	-5.0925	843.9585	1
43215_3215	43215	3215	-43.3185	28.9635	0.6015	1.326	24.0195	-928.358	1
43215_3216	43215	3216	22.3815	53.1555	0.195	-0.255	-7.1415	740.427	1
43216_3216	43216	3216	-50.13	23.2215	0.7425	1.383	31.7985	-875.867	1
43216_3217	43216	3217	23.391	61.1385	0.045	-0.4455	-11.4345	572.835	1
43217_3217	43217	3217	-57.039	22.455	0.405	0.966	41.214	-793.473	1
43217_3218	43217	3218	25.536	62.9955	0.6975	0.432	-11.619	405.48	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43218_3218	43218	3218	-63.2655	17.325	0.5385	2.415	48.9165	-711.695	1
43218_3219	43218	3219	28.881	70.6185	0.5535	-0.7485	-13.6095	183.4515	1
43219_3219	43219	3219	-70.641	12.2805	1.0125	-0.072	59.5485	-547.85	1
43219_3220	43219	3220	33.393	78.1365	0.2085	0.8445	-19.398	-226.98	1
43220_3220	43220	3220	32.3145	84.618	-0.513	3.213	58.5	525.9285	1
43220_3221	43220	3221	7.218	6.4545	0.138	0.822	7.8555	235.386	1
43221_3221	43221	3221	32.553	74.2575	-0.639	1.1085	56.22	20.6895	1
43221_3222	43221	3222	-10.1715	10.3455	0.0105	0.678	-37.035	592.602	1
43222_3222	43222	3222	32.589	69.4695	0.3225	5.355	51.8385	-346.716	1
43222_3223	43222	3223	-14.7165	14.622	-0.303	-3.333	-43.7595	870.783	1
43223_3223	43223	3223	31.6305	60.024	0.123	-1.221	58.8705	-750.701	1
43223_3224	43223	3224	-19.869	23.3475	-0.2655	3.525	-50.586	1100.132	1
43224_3224	43224	3224	30.966	63.795	-0.0225	6.3555	60.6465	-1100.47	1
43224_3225	43224	3225	-24.0735	23.136	0.222	-4.668	-52.9125	1358.85	1
43225_3225	43225	3225	30.3135	50.214	-0.144	-0.4485	60.192	-1005.59	1
43225_3226	43225	3226	-26.4	28.8825	0.2895	2.511	-50.5035	1232.54	1
43226_3226	43226	3226	30.093	52.431	0.009	5.028	56.4645	-1317.78	1
43226_3227	43226	3227	-29.1645	30.1035	0.285	-3.0195	-51.906	1466.813	1
43227_3227	43227	3227	29.952	42.351	-0.0375	-1.8675	55.347	-1457.35	1
43227_3228	43227	3228	-30.2025	39.4515	0.345	3.8475	-50.388	1474.269	1
43228_3228	43228	3228	29.9025	45.2745	0.234	4.9215	53.424	-1479.73	1
43228_3229	43228	3229	-30.375	36.8745	0.09	-2.892	-51.99	1523.306	1
43229_3229	43229	3229	29.8155	35.4735	0.189	-2.286	55.0275	-1529.98	1
43229_3230	43229	3230	-30.264	46.671	0.1395	4.2015	-52.677	1457.355	1
43230_3230	43230	3230	29.388	37.5945	0.327	4.362	55.659	-1471.97	1
43230_3231	43230	3231	-30.0645	44.136	-0.0945	-2.379	-56.514	1408.008	1
43231_3231	43231	3231	28.359	28.2435	0.2535	-2.451	57.5055	-1446.45	1
43231_3232	43231	3232	-29.9505	54.441	-0.0375	4.206	-59.3865	1245.806	1
43232_3232	43232	3232	27.267	32.2125	-0.3315	2.2485	58.4775	-1484.37	1
43232_3233	43232	3233	-29.9235	53.9025	0.1485	-0.69	-60.612	1320.938	1
43233_3233	43233	3233	25.9665	26.562	-0.3045	1.4145	53.781	-1439.64	1
43233_3234	43233	3234	-29.886	60.5895	0.204	-0.234	-59.37	1203.956	1
43234_3234	43234	3234	23.874	20.8185	-0.315	-2.8665	49.104	-1295.7	1
43234_3235	43234	3235	-30.312	67.0065	0.3375	4.1025	-55.833	935.133	1
43235_3235	43235	3235	22.0155	22.5495	1.611	2.484	44.7135	-1255.3	1
43235_3236	43235	3236	-30.6405	67.713	-1.389	-0.789	-62.4405	927.0675	1
43236_3236	43236	3236	20.424	19.2105	1.5405	0.531	52.3335	-1185.55	1
43236_3237	43236	3237	-30.954	72.4755	-1.485	0.663	-69.501	808.35	1
43237_3237	43237	3237	17.298	13.671	1.2855	-2.7105	56.0745	-934.149	1
43237_3238	43237	3238	-31.797	76.533	-1.4985	3.852	-83.922	315.9975	1
43238_3238	43238	3238	13.488	20.838	-0.939	1.1415	61.137	-709.122	1
43238_3239	43238	3239	-31.2345	63.4935	1.251	0.3165	-70.9185	123.7485	1
43239_3239	43239	3239	10.398	13.8195	-0.783	-1.4175	44.415	-540.368	1
43239_3240	43239	3240	-31.335	71.7855	1.305	2.4345	-54.594	-149.019	1
43240_3240	43240	3240	6.5205	28.3725	-0.477	0.537	32.9715	-419.511	1
43240_3241	43240	3241	-28.9485	61.317	1.284	1.563	-42.132	-66.8685	1
43241_3241	43241	3241	-43.9995	61.8285	0.33	-0.285	38.6655	-138.917	1
43241_3242	43241	3242	74.811	24.507	-0.1485	0.7965	-71.175	721.5615	1
43242_3242	43242	3242	-40.2225	55.362	0.447	-2.145	34.305	-373.62	1
43242_3243	43242	3243	68.7405	31.7475	-0.4905	3.9195	-71.0715	791.694	1
43243_3243	43243	3243	-36.9315	66.6705	-1.0785	1.4925	26.6235	-399.564	1
43243_3244	43243	3244	63.3135	21.081	2.361	-0.069	-45.099	850.6485	1
43244_3244	43244	3244	-35.3235	57.138	-0.534	-0.1695	8.166	-625.733	1
43244_3245	43244	3245	56.5875	27.09	2.0895	1.851	-19.449	910.5855	1
43245_3245	43245	3245	-35.4255	52.908	0.273	3.2325	-1.044	-800.652	1
43245_3246	43245	3246	49.4835	30.297	0.639	-1.2855	-9.5715	973.8045	1
43246_3246	43246	3246	-37.143	44.196	0.5745	-1.116	-0.7965	-931.128	1
43246_3247	43246	3247	43.413	37.851	0.219	3.117	-6.117	986.37	1
43247_3247	43247	3247	-40.2495	42.078	-0.387	3.2115	3.5235	-985.11	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43247_3248	43247	3248	39.0045	40.167	0.8085	-1.2195	0.8745	999.6	1
43248_3248	43248	3248	-45.684	33.606	-0.066	-0.501	-0.219	-959.43	1
43248_3249	43248	3249	36.3915	48.2205	0.612	2.4795	6.5775	871.3185	1
43249_3249	43249	3249	-52.7025	30.009	0.576	2.7495	0.7485	-924.018	1
43249_3250	43249	3250	35.166	52.794	-0.2055	-0.675	3.216	745.83	1
43250_3250	43250	3250	-60.171	23.781	0.687	-0.087	7.5315	-891.324	1
43250_3251	43250	3251	35.7645	62.4465	-0.5325	1.8345	-4.992	565.398	1
43251_3251	43251	3251	-67.1835	34.9425	3.7905	3.9765	13.6485	-826.533	1
43251_3252	43251	3252	37.9455	49.6935	-0.9225	-1.443	-16.6755	528.5355	1
43252_3252	43252	3252	-73.6665	28.101	4.5165	0.7455	48.7725	-825.437	1
43252_3253	43252	3253	41.274	57.063	-1.6155	0.429	-37.137	413.262	1
43253_3253	43253	3253	-79.206	22.593	4.989	0.0135	92.5605	-794.981	1
43253_3254	43253	3254	45.8265	64.785	-2.2665	1.05	-65.7015	296.742	1
43254_3254	43254	3254	-81.1125	38.3325	-4.3455	-7.437	133.7265	-856.094	1
43254_3255	43254	3255	50.7795	53.9445	2.9385	-2.0655	-69.6705	485.274	1
43255_3255	43255	3255	31.842	74.256	-5.9235	4.7535	95.001	218.001	1
43255_3256	43255	3256	-7.35	15.42	3.102	-1.1775	-24.4035	497.0715	1
43256_3256	43256	3256	31.041	68.7885	-6.225	3.0945	35.6085	-125.838	1
43256_3257	43256	3257	-10.3845	21.3165	3.9375	1.155	5.094	689.331	1
43257_3257	43257	3257	32.4405	80.412	2.238	3.9975	-15.543	-209.967	1
43257_3258	43257	3258	-13.6545	12.0795	-2.0085	-2.7465	-11.9565	866.199	1
43258_3258	43258	3258	32.334	73.977	2.1885	2.187	7.317	-597.17	1
43258_3259	43258	3259	-16.857	17.184	-2.0805	-0.7395	-28.2225	1087.962	1
43259_3259	43259	3259	31.6995	71.8695	2.1165	-2.3985	26.8815	-1068.95	1
43259_3260	43259	3260	-19.7745	22.359	-2.058	4.452	-33.663	1341.792	1
43260_3260	43260	3260	31.749	71.475	1.131	6.2565	34.851	-943.853	1
43260_3261	43260	3261	-20.802	19.8495	-0.609	-4.47	-37.8855	1314.875	1
43261_3261	43261	3261	31.5825	63.993	0.9855	3.0225	45.063	-1066	1
43261_3262	43261	3262	-23.1825	24.2565	-0.7335	-1.443	-45.4995	1386.747	1
43262_3262	43262	3262	31.5075	58.0185	0.7755	-2.0265	54.8085	-1333.57	1
43262_3263	43262	3263	-25.719	30.591	-0.8415	4.2195	-54.522	1527.051	1
43263_3263	43263	3263	32.0235	58.2225	0.3015	4.3545	59.139	-1306.84	1
43263_3264	43263	3264	-27.3555	27.591	0.1455	-2.6925	-55.6095	1527.62	1
43264_3264	43264	3264	32.484	48.5985	0.324	0.1305	61.2735	-1469.07	1
43264_3265	43264	3265	-29.271	35.6055	0.126	1.527	-57.732	1564.176	1
43265_3265	43265	3265	32.9385	49.8255	0.261	5.265	63.4035	-1557.44	1
43265_3266	43265	3266	-30.606	34.6755	0.093	-3.276	-60.672	1641.29	1
43266_3266	43266	3266	33.354	40.785	0.225	-1.7115	65.0865	-1653.55	1
43266_3267	43266	3267	-31.3935	43.6215	0.132	3.6345	-62.289	1635.588	1
43267_3267	43267	3267	33.642	42.1335	0.489	3.87	65.85	-1634.8	1
43267_3268	43267	3268	-31.941	42.072	-0.1935	-2.13	-67.6605	1627.697	1
43268_3268	43268	3268	33.633	33.375	0.4455	-1.2195	69.492	-1640.01	1
43268_3269	43268	3269	-32.415	51.3135	-0.18	2.8905	-72.3675	1532.177	1
43269_3269	43269	3269	33.021	33.303	0.039	3.939	71.088	-1529.48	1
43269_3270	43269	3270	-32.8725	50.5545	-0.195	-2.022	-77.4705	1393.802	1
43270_3270	43270	3270	31.668	24.9795	-0.0615	-2.3655	67.1685	-1454.8	1
43270_3271	43270	3271	-33.3435	60.639	-0.0315	4.0875	-78.579	1170.804	1
43271_3271	43271	3271	30.5295	26.1345	0.567	4.3455	63.5325	-1479.69	1
43271_3272	43271	3272	-33.6735	63.7335	-0.5175	-2.3895	-80.8005	1232.129	1
43272_3272	43272	3272	28.3005	20.391	0.3915	0.435	62.682	-1300.5	1
43272_3273	43272	3273	-34.32	69.231	-0.519	1.047	-84.6075	885.489	1
43273_3273	43273	3273	25.9065	16.203	0.18	-4.1385	60.852	-1182.15	1
43273_3274	43273	3274	-35.256	76.737	-0.489	5.721	-87.144	673.554	1
43274_3274	43274	3274	24.534	31.7295	-2.52	3.0255	60.483	-1229.22	1
43274_3275	43274	3275	-34.8015	60.585	3.345	-1.821	-77.544	922.0275	1
43275_3275	43275	3275	21.6465	25.224	-2.2935	0.984	47.172	-995.976	1
43275_3276	43275	3276	-35.3685	62.0325	3.3375	0.5085	-47.7585	508.446	1
43276_3276	43276	3276	18.5535	19.3905	-2.1315	-2.2095	21.8835	-892.37	1
43276_3277	43276	3277	-35.7495	68.586	3.2685	3.2595	-16.6575	332.745	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43277_3277	43277	3277	14.1855	24.1755	1.6455	-4.917	-0.8775	-681.785	1
43277_3278	43277	3278	-35.0805	61.155	-2.217	5.955	-38.061	132.414	1
43278_3278	43278	3278	10.65	18.015	1.47	-6.4725	11.433	-570.758	1
43278_3279	43278	3279	-35.4555	68.8185	-2.019	7.9125	-52.9305	-5.3685	1
43279_3279	43279	3279	-49.2075	56.2185	-1.182	18.792	25.887	-521.634	1
43279_3280	43279	3280	73.9575	34.3035	0.7515	-20.445	-56.241	973.5615	1
43280_3280	43280	3280	-45.852	65.139	0.2715	2.838	15.966	-433.308	1
43280_3281	43280	3281	71.613	24.438	0.54	-2.1465	-49.278	956.8005	1
43281_3281	43281	3281	-42.2295	56.217	0.456	0.585	10.221	-411.858	1
43281_3282	43281	3282	67.9455	28.626	0.156	0.7875	-43.332	901.236	1
43282_3282	43282	3282	-40.407	48.7695	0.5895	-1.1985	8.3205	-585.291	1
43282_3283	43282	3283	61.932	35.952	-0.264	3.807	-40.5555	924.021	1
43283_3283	43283	3283	-39.831	49.182	-0.2205	2.121	3.243	-468.434	1
43283_3284	43283	3284	56.454	31.452	2.109	-1.059	-11.013	783.8595	1
43284_3284	43284	3284	-41.811	39.069	0.441	-0.984	-3.009	-605.067	1
43284_3285	43284	3285	48.8955	41.217	1.5105	2.637	8.7885	700.0425	1
43285_3285	43285	3285	-46.2255	42.7935	0.048	2.592	4.1565	-632.613	1
43285_3286	43285	3286	43.4565	35.388	-0.156	-1.0845	4.011	693.1395	1
43286_3286	43286	3286	-52.044	33.744	0.2265	-1.287	5.6475	-750.444	1
43286_3287	43286	3287	40.4595	45.846	-0.3315	2.745	-2.1765	655.5795	1
43287_3287	43287	3287	-60.3105	38.313	0.459	2.388	8.1525	-718.31	1
43287_3288	43287	3288	39.7485	41.3205	0.288	-0.8085	-0.9645	584.3715	1
43288_3288	43288	3288	-69.369	29.766	0.8595	-0.7845	15.063	-790.068	1
43288_3289	43288	3289	41.109	51.5085	-0.033	1.7985	-4.914	466.7415	1
43289_3289	43289	3289	-76.0995	36.771	0.1605	2.871	26.799	-844.01	1
43289_3290	43289	3290	44.5305	48.3345	0.426	-0.8925	-6.591	501.7215	1
43290_3290	43290	3290	-81.981	30.6075	0.4785	0.708	31.1415	-893.6	1
43290_3291	43290	3291	48.5445	55.689	0.2355	0.183	-9.0255	429.3765	1
43291_3291	43291	3291	-87.2475	25.2555	0.78	-0.972	38.574	-881.663	1
43291_3292	43291	3292	53.4945	62.928	0.024	1.434	-13.725	296.9685	1
43292_3292	43292	3292	-88.848	36.876	-1.7925	3.6525	45.993	-1002.82	1
43292_3293	43292	3293	59.382	57.5025	0.9	-8.97	-17.292	541.2405	1
43293_3293	43293	3293	13.4265	75.15	-1.725	2.166	30.3795	-210.062	1
43293_3294	43293	3294	-1.0815	16.488	-0.219	-0.1365	-10.986	586.737	1
43294_3294	43294	3294	10.692	67.9035	-1.9875	-0.7695	17.688	-423.063	1
43294_3295	43294	3295	-1.7475	21.537	0.177	3.0525	-10.137	719.556	1
43295_3295	43295	3295	9.6015	73.47	0.195	4.89	-2.055	-638.052	1
43295_3296	43295	3296	-3.1755	14.9955	0.165	-3.0825	-4.6245	957.834	1
43296_3296	43296	3296	7.9605	66.9075	0.1725	-0.159	1.3185	-1091.56	1
43296_3297	43296	3297	-3.8895	21.9105	0.042	1.305	-2.0955	1242.357	1
43297_3297	43297	3297	6.9075	63.582	0.1605	-4.2915	3.54	-1456.52	1
43297_3298	43297	3298	-4.551	27.909	-0.0435	5.6295	-1.917	1487.913	1
43298_3298	43298	3298	6.2445	67.7205	0.486	4.464	5.4285	-1389.91	1
43298_3299	43298	3299	-5.0745	21.753	-0.4545	-3.153	-5.736	1507.292	1
43299_3299	43299	3299	6.024	61.536	0.426	0.5565	10.218	-1635.91	1
43299_3300	43299	3300	-5.4495	27.396	-0.498	0.1755	-9.9525	1677.557	1
43300_3300	43300	3300	6.006	55.9425	0.351	-2.8155	13.5885	-1802.53	1
43300_3301	43300	3301	-5.661	32.9775	-0.537	3.726	-14.445	1788.581	1
43301_3301	43301	3301	5.958	58.755	-0.3225	5.2275	15.456	-1711.56	1
43301_3302	43301	3302	-5.808	27.1245	0.357	-3.7035	-10.773	1789.431	1
43302_3302	43302	3302	5.919	49.272	-0.3195	-2.9805	11.091	-1912.37	1
43302_3303	43302	3303	-5.9685	35.8005	0.3915	4.077	-6.696	1898.745	1
43303_3303	43303	3303	5.889	53.0295	-0.1005	4.245	6.837	-1970.13	1
43303_3304	43303	3304	-6.018	32.448	0.0945	-3.048	-5.892	2030.693	1
43304_3304	43304	3304	5.8665	44.406	-0.1155	-2.9175	5.142	-2145.89	1
43304_3305	43304	3305	-5.994	41.9655	0.117	3.954	-4.701	2135.603	1
43305_3305	43305	3305	5.832	48.8175	-0.1335	4.9485	3.234	-2070.47	1
43305_3306	43305	3306	-5.955	36.8175	0.138	-3.6975	-2.8575	2162.214	1
43306_3306	43306	3306	5.7705	40.593	-0.147	-4.053	1.0335	-2204.97	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43306_3307	43306	3307	-5.9145	46.551	0.165	5.427	-0.783	2230.88	1
43307_3307	43307	3307	5.634	45.714	-0.105	4.509	-1.011	-2070.71	1
43307_3308	43307	3308	-5.889	40.2465	0.1365	-3.474	1.197	2205.227	1
43308_3308	43308	3308	5.3985	36.756	-0.1065	-3.315	-2.4525	-2075.24	1
43308_3309	43308	3309	-5.8665	49.4745	0.153	4.779	3.3255	2164.518	1
43309_3309	43309	3309	5.001	41.0085	-0.2205	3.7815	-3.4995	-1911.69	1
43309_3310	43309	3310	-5.838	43.4985	0.162	-3.0615	5.472	2133.398	1
43310_3310	43310	3310	4.3365	30.4095	-0.219	-2.2485	-5.517	-1733.19	1
43310_3311	43310	3311	-5.778	52.44	0.1905	3.8025	8.139	1966.926	1
43311_3311	43311	3311	3.3555	29.199	0.2805	2.661	-6.69	-1408.2	1
43311_3312	43311	3312	-5.646	48.63	0.1395	-2.5635	10.2855	1852.491	1
43312_3312	43312	3312	2.1975	17.385	0.2445	-1.6515	-1.6095	-1026.54	1
43312_3313	43312	3313	-5.409	58.797	-0.006	3.885	8.724	1569.426	1
43313_3313	43313	3313	1.4115	13.7625	-0.228	1.0485	1.0125	-682.206	1
43313_3314	43313	3314	-5.0025	58.5975	0.381	-0.9555	10.005	1196.256	1
43314_3314	43314	3314	0.6525	5.736	-0.132	-1.0575	-0.81	-330.615	1
43314_3315	43314	3315	-4.323	72.126	0.4665	4.0485	13.794	569.688	1
43315_3315	43315	3315	-1.575	5.1435	-0.1185	1.581	0.975	31.998	1
43315_3316	43315	3316	-3.231	88.839	-1.3425	-2.8215	0	-25.2225	1

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
3000_3000	3000	3000	-0.696	-5.097	0.1455	-0.195	0	-2.5485	1
3000_3001	3000	3001	83.5365	-69.8145	0.1005	-0.153	1.4925	640.7205	1
3001_3001	3001	3001	-49.4295	-10.5795	-0.024	-0.039	-0.3495	-376.947	1
3001_3002	3001	3002	118.548	-58.149	0.1245	-0.0225	3.1425	907.227	1
3002_3002	3002	3002	-70.353	-12.888	0.0405	0.0975	-0.9735	-536.459	1
3002_3003	3002	3003	149.493	-55.2045	-0.1545	-0.3105	1.818	1142.642	1
3003_3003	3003	3003	-104.624	-23.085	0.0675	-0.1275	-0.786	-798.209	1
3003_3004	3003	3004	164.187	-44.7435	-0.171	0.066	-0.102	1254.405	1
3004_3004	3004	3004	-133.515	-24.795	0.024	0.1125	0.024	-1019.26	1
3004_3005	3004	3005	180.09	-48.801	-0.0555	-0.246	-0.8535	1375.016	1
3005_3005	3005	3005	-159.12	-35.4525	0.033	-0.0795	0.426	-1214.75	1
3005_3006	3005	3006	184.338	-39.6015	-0.0615	-0.009	-1.773	1407.143	1
3006_3006	3006	3006	-169.898	-31.3635	0.0285	0.264	1.0575	-1297.24	1
3006_3007	3006	3007	193.7565	-45.4935	-0.0465	-0.393	-2.577	1478.379	1
3007_3007	3007	3007	-183.378	-40.725	0.033	-0.198	1.704	-1399.8	1
3007_3008	3007	3008	192.6705	-36.5565	-0.0495	0.1155	-3.447	1469.966	1
3008_3008	3008	3008	-185.468	-34.8735	0.0345	0.1545	2.4645	-1415.75	1
3008_3009	3008	3009	197.2695	-42.4305	-0.045	-0.21	-4.2675	1504.649	1
3009_3009	3009	3009	-192.866	-44.0055	0.0375	-0.078	3.276	-1471.77	1
3009_3010	3009	3010	191.592	-33.519	-0.045	0.033	-5.0715	1461.473	1
3010_3010	3010	3010	-189.557	-38.2665	0.048	0.2355	4.134	-1446.54	1
3010_3011	3010	3011	191.412	-38.9295	-0.054	-0.303	-5.9265	1459.97	1
3011_3011	3011	3011	-191.616	-47.433	0.051	-0.24	5.112	-1461.98	1
3011_3012	3011	3012	181.281	-30.057	-0.0525	0.171	-6.696	1383.059	1
3012_3012	3012	3012	-183.074	-42.2805	0.0645	0.063	6.078	-1397.08	1
3012_3013	3012	3013	175.437	-34.5075	-0.0675	-0.1125	-7.551	1338.593	1
3013_3013	3013	3013	-179.411	-51.5655	0.066	-0.156	7.1745	-1369.16	1
3013_3014	3013	3014	161.511	-25.836	-0.063	0.0975	-8.157	1232.688	1
3014_3014	3014	3014	-165.159	-47.571	0.078	0.0555	8.226	-1261.03	1
3014_3015	3014	3015	145.698	-25.7565	-0.072	-0.1275	-8.883	1112.084	1
3015_3015	3015	3015	-160.94	-60.6615	0.0495	-0.1965	6.5565	-1157.6	1
3015_3016	3015	3016	140.547	-19.68	-0.0495	0.153	-6.246	1033.896	1
3016_3016	3016	3016	-140.009	-56.145	0.003	-0.0135	6.957	-1043.07	1
3016_3017	3016	3017	112.5165	-20.5425	0.021	-0.027	-5.562	918.5265	1
3017_3017	3017	3017	-108.257	-66.213	-0.006	-0.264	6.7395	-927.594	1
3017_3018	3017	3018	70.7775	-11.7555	0.015	0.1755	-4.7895	715.677	1
3018_3018	3018	3018	-63.2115	-70.548	0.0375	-0.1095	6.198	-698.49	1
3018_3019	3018	3019	38.229	-8.1255	0.012	0.027	-4.143	488.5725	1
3019_3019	3019	3019	-26.736	-81.6195	0.0315	-0.312	6.096	-451.278	1
3019_3020	3019	3020	12.7125	-2.1915	0.0285	0.1515	-3.0075	214.2765	1
3020_3020	3020	3020	-106.452	-11.3955	-0.1185	-0.0315	8.7405	-397.694	1
3020_3021	3020	3021	59.34	-71.4135	-0.012	-0.021	-3.048	272.397	1
3021_3021	3021	3021	-113.136	-15.9585	-0.063	-0.072	5.367	-478.211	1
3021_3022	3021	3022	74.055	-63.885	-0.0315	0.018	-1.935	384.8025	1
3022_3022	3022	3022	-117.596	-20.7975	-0.0465	-0.0615	4.434	-539.184	1
3022_3023	3022	3023	84.825	-56.526	-0.0465	0.003	-1.6965	473.0505	1
3023_3023	3023	3023	-119.336	-20.9955	-0.084	-0.042	3.735	-585.021	1
3023_3024	3023	3024	97.44	-55.5405	0.015	-0.018	-1.038	568.2915	1
3024_3024	3024	3024	-122.084	-26.409	-0.072	-0.03	2.7615	-636.854	1
3024_3025	3024	3025	105.0645	-47.907	0.0015	-0.03	-0.573	624.9465	1
3025_3025	3025	3025	-121.703	-32.625	-0.0555	-0.0855	1.953	-665.889	1
3025_3026	3025	3026	108.1395	-40.7775	-0.0135	0.015	-0.327	645.9735	1
3026_3026	3026	3026	-118.491	-30.084	-0.066	0.0375	1.3365	-670.005	1
3026_3027	3026	3027	113.6115	-45.795	-0.021	-0.123	-0.2565	679.71	1
3027_3027	3027	3027	-119.102	-34.7895	-0.051	-0.045	0.864	-689.858	1
3027_3028	3027	3028	116.2215	-40.254	-0.036	-0.03	-0.342	691.6275	1
3028_3028	3028	3028	-118.371	-40.0185	-0.039	-0.03	0.546	-696.848	1
3028_3029	3028	3029	116.2905	-35.01	-0.048	-0.0435	-0.57	683.736	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3029_3029	3029	3029	-115.166	-45.549	-0.024	-0.123	0.3675	-684.128	1
3029_3030	3029	3030	114.909	-30.2895	-0.063	0.0375	-0.9495	662.8125	1
3030_3030	3030	3030	-109.124	-40.6005	-0.0165	0.021	0.3435	-649.581	1
3030_3031	3030	3031	116.904	-32.7555	-0.0555	-0.1035	-1.47	656.7	1
3031_3031	3031	3031	-105.266	-47.742	-0.0015	-0.018	0.4785	-627.126	1
3031_3032	3031	3032	115.857	-26.523	-0.0705	-0.051	-2.1795	625.446	1
3032_3032	3032	3032	-96.8475	-55.3725	0.015	-0.066	0.8295	-569.015	1
3032_3033	3032	3033	111.57	-21.0825	-0.0855	-0.003	-3.084	570.975	1
3033_3033	3033	3033	-83.3895	-56.355	-0.051	0.042	1.389	-472.283	1
3033_3034	3033	3034	108.3165	-20.97	-0.042	-0.1215	-3.6855	522.7275	1
3034_3034	3034	3034	-71.6985	-63.693	-0.0315	-0.0225	1.5105	-382.523	1
3034_3035	3034	3035	102.336	-16.092	-0.0705	-0.003	-4.6215	458.5995	1
3035_3035	3035	3035	-55.671	-71.2365	-0.0225	-0.0105	2.4795	-269.651	1
3035_3036	3035	3036	93.186	-11.457	-0.117	-0.0765	-7.9575	375.0135	1
3036_3036	3036	3036	-19.602	-5.6865	-0.0135	-0.0855	0.1245	-244.142	1
3036_3037	3036	3037	1.2795	-78.6075	0.0225	-0.279	-4.896	354.054	1
3037_3037	3037	3037	-26.343	-9.4845	0.0195	0.045	3.381	-452.348	1
3037_3038	3037	3038	30.0225	-67.6845	0.03	-0.138	-4.9725	557.994	1
3038_3038	3038	3038	-52.284	-13.0425	0.027	0.1695	3.9465	-652.529	1
3038_3039	3038	3039	66.0045	-63.336	-0.033	-0.2745	-5.841	741.771	1
3039_3039	3039	3039	-85.587	-21.573	0.036	-0.0195	4.794	-821.933	1
3039_3040	3039	3040	90.633	-53.6235	-0.0195	-0.0495	-6.3225	820.4745	1
3040_3040	3040	3040	-105.579	-20.8815	-0.054	0.105	5.6625	-904.173	1
3040_3041	3040	3041	107.154	-57.8235	0.039	-0.156	-6.039	906.9945	1
3041_3041	3041	3041	-132.785	-26.472	-0.027	-0.0135	2.5785	-905.133	1
3041_3042	3041	3042	135.5925	-44.1495	0.0165	-0.027	-2.5755	917.3025	1
3042_3042	3042	3042	-140.784	-25.68	-0.0105	0.027	2.382	-959.09	1
3042_3043	3042	3043	150.6015	-48.195	0.0045	-0.066	-2.4975	1002.389	1
3043_3043	3043	3043	-151.476	-34.5015	-0.0105	-0.0315	2.3745	-1023.18	1
3043_3044	3043	3044	153.492	-38.5485	0.003	-0.009	-2.427	1015.107	1
3044_3044	3044	3044	-153.083	-29.7075	-0.0045	0.0525	2.3505	-1028.69	1
3044_3045	3044	3045	163.014	-43.4985	-0.003	-0.099	-2.4165	1069.695	1
3045_3045	3045	3045	-161.429	-38.9205	-0.0045	-0.084	2.379	-1073.78	1
3045_3046	3045	3046	160.1385	-33.993	-0.003	0.0345	-2.3985	1051.019	1
3046_3046	3046	3046	-158.481	-33.597	-0.0045	-0.018	2.3925	-1050.22	1
3046_3047	3046	3047	164.37	-39.195	-0.0045	-0.012	-2.382	1076.814	1
3047_3047	3047	3047	-162.888	-43.1085	-0.0015	-0.018	2.3985	-1072.15	1
3047_3048	3047	3048	156.981	-29.9175	-0.006	-0.012	-2.3895	1032.804	1
3048_3048	3048	3048	-154.898	-38.076	0.0015	-0.036	2.4345	-1020.65	1
3048_3049	3048	3049	155.937	-34.5525	-0.009	0.0075	-2.3985	1026.842	1
3049_3049	3049	3049	-153.471	-47.799	0.003	-0.024	2.4855	-1010.77	1
3049_3050	3049	3050	145.593	-25.674	-0.0105	-0.0045	-2.4105	962.1555	1
3050_3050	3050	3050	-139.566	-43.6725	0.0135	-0.0315	2.565	-926.798	1
3050_3051	3050	3051	137.7	-26.373	-0.0225	-0.003	-2.5605	907.2705	1
3051_3051	3051	3051	-119.13	-57.4515	0.018	-0.1125	3.264	-880.11	1
3051_3052	3051	3052	117.3465	-20.5125	-0.027	0.0705	-3.084	870.021	1
3052_3052	3052	3052	-101.931	-53.136	-0.0135	-0.0495	3.4035	-793.637	1
3052_3053	3052	3053	96.693	-21.3795	0.0195	0	-2.6055	794.9115	1
3053_3053	3053	3053	-68.937	-63.2835	-0.0255	-0.309	4.2945	-758.934	1
3053_3054	3053	3054	55.8315	-12.8985	0.0195	0.1875	-2.943	670.0395	1
3054_3054	3054	3054	-34.263	-67.8135	0.036	-0.1485	3.6645	-569.424	1
3054_3055	3054	3055	30.1095	-9.1485	0.006	0.0105	-2.619	467.6025	1
3055_3055	3055	3055	-6.231	-79.047	0.0285	-0.3465	3.777	-359.843	1
3055_3056	3055	3056	25.0755	-4.461	0.0045	-0.1275	0.7905	212.8125	1
3056_3056	3056	3056	-97.821	-11.3805	-0.075	-0.081	5.406	-396.272	1
3056_3057	3056	3057	64.854	-70.7625	-0.0225	-0.015	-1.7145	329.0685	1
3057_3057	3057	3057	-106.35	-16.293	-0.045	-0.1545	3.756	-501.731	1
3057_3058	3057	3058	78.249	-63.4005	-0.036	0.033	-1.3095	453.903	1
3058_3058	3058	3058	-112.272	-21.3495	-0.03	-0.132	3.093	-576.864	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3058_3059	3058	3059	88.296	-56.0355	-0.048	0.0045	-1.257	545.7165	1
3059_3059	3059	3059	-115.202	-21.585	-0.0645	-0.0495	2.6295	-632.894	1
3059_3060	3059	3060	100.023	-55.3845	0.0165	-0.093	-0.7575	644.7525	1
3060_3060	3060	3060	-118.85	-27.123	-0.0525	-0.156	1.9155	-693.72	1
3060_3061	3060	3061	107.028	-47.823	0.0045	0.009	-0.4125	702.567	1
3061_3061	3061	3061	-119.379	-33.432	-0.045	-0.1305	1.341	-729.006	1
3061_3062	3061	3062	109.818	-40.7625	-0.006	-0.024	-0.2145	722.862	1
3062_3062	3062	3062	-117.08	-30.807	-0.045	-0.069	0.8745	-736.665	1
3062_3063	3062	3063	114.8925	-45.9435	-0.021	-0.0915	-0.21	757.1835	1
3063_3063	3063	3063	-118.052	-35.5335	-0.036	-0.045	0.5685	-759.42	1
3063_3064	3063	3064	117.33	-40.446	-0.03	-0.111	-0.3135	768.5295	1
3064_3064	3064	3064	-117.68	-40.7595	-0.027	-0.018	0.363	-768.017	1
3064_3065	3064	3065	117.435	-35.2365	-0.039	-0.132	-0.522	758.9925	1
3065_3065	3065	3065	-114.957	-46.2705	-0.015	-0.2085	0.264	-755.558	1
3065_3066	3065	3066	116.223	-30.54	-0.051	0.0405	-0.8445	735.5805	1
3066_3066	3066	3066	-109.59	-40.9875	-0.0045	-0.0015	0.2865	-720.069	1
3066_3067	3066	3067	118.227	-33.168	-0.045	-0.177	-1.293	727.221	1
3067_3067	3067	3067	-106.472	-48.075	0.006	0.0435	0.4695	-698.652	1
3067_3068	3067	3068	117.4515	-26.8785	-0.054	-0.207	-1.851	691.686	1
3068_3068	3068	3068	-99.111	-55.6605	0.0195	-0.195	0.798	-639.521	1
3068_3069	3068	3069	113.649	-21.39	-0.069	0.0345	-2.5755	631.4295	1
3069_3069	3069	3069	-87.0735	-56.1975	-0.0435	0.045	1.293	-539.435	1
3069_3070	3069	3070	110.6985	-21.237	-0.033	-0.222	-3.048	576.7695	1
3070_3070	3070	3070	-76.7775	-63.579	-0.03	0.0015	1.3545	-447.123	1
3070_3071	3070	3071	104.88	-16.233	-0.0525	-0.126	-3.7545	503.9535	1
3071_3071	3071	3071	-62.883	-70.9905	-0.015	-0.045	1.9005	-323.474	1
3071_3072	3071	3072	96.4185	-11.4165	-0.087	-0.0645	-5.772	404.2635	1
3072_3072	3072	3072	-14.1465	-5.2035	-0.0075	-0.0825	0.8145	-202.314	1
3072_3073	3072	3073	6.753	-78.495	0.0285	-0.342	-3.873	391.65	1
3073_3073	3073	3073	-28.3155	-9.2475	0.006	0.0465	2.7645	-470.363	1
3073_3074	3073	3074	36.4905	-67.2975	0.0345	-0.1605	-3.7365	611.2845	1
3074_3074	3074	3074	-54.174	-13.008	0.012	0.2385	3.0705	-679.11	1
3074_3075	3074	3075	73.395	-62.844	-0.015	-0.384	-4.185	810.0285	1
3075_3075	3075	3075	-95.8635	-21.63	0.0105	-0.048	2.5935	-809.967	1
3075_3076	3075	3076	109.4385	-52.773	-0.006	-0.0225	-3.2535	850.8225	1
3076_3076	3076	3076	-117.663	-20.619	-0.0135	0.162	2.9265	-891.818	1
3076_3077	3076	3077	128.694	-57.327	0.0075	-0.2235	-3.1995	946.677	1
3077_3077	3077	3077	-121.949	-26.8425	-0.021	-0.105	4.1985	-987.162	1
3077_3078	3077	3078	132.555	-45.1755	0.0165	-0.0045	-4.368	1049.169	1
3078_3078	3078	3078	-131.313	-26.052	-0.021	0.006	4.158	-1058.36	1
3078_3079	3078	3079	145.8825	-49.227	0.015	-0.069	-4.143	1138.608	1
3079_3079	3079	3079	-142.076	-34.503	-0.0225	0.0195	4.0605	-1134.04	1
3079_3080	3079	3080	149.511	-40.176	0.012	-0.0825	-3.9555	1159.281	1
3080_3080	3080	3080	-145.884	-29.694	-0.009	0.06	3.909	-1155.23	1
3080_3081	3080	3081	158.3775	-45.4875	0.0015	-0.1395	-3.876	1219.979	1
3081_3081	3081	3081	-154.952	-38.406	-0.009	-0.0915	3.8805	-1213.29	1
3081_3082	3081	3082	157.3755	-36.5415	0.0015	0.015	-3.804	1211.405	1
3082_3082	3082	3082	-155.024	-32.742	-0.003	0.036	3.8325	-1206.44	1
3082_3083	3082	3083	162.0795	-41.574	-0.006	-0.114	-3.8145	1246.685	1
3083_3083	3083	3083	-161.322	-42.231	-0.0015	-0.123	3.8475	-1245.67	1
3083_3084	3083	3084	155.6595	-32.1285	-0.0075	0.0435	-3.831	1203.621	1
3084_3084	3084	3084	-156.393	-37.146	-0.003	0.0165	3.876	-1205.8	1
3084_3085	3084	3085	155.505	-37.734	-0.006	-0.096	-3.8205	1207.14	1
3085_3085	3085	3085	-157.218	-46.1415	-0.003	-0.1515	3.8805	-1210.34	1
3085_3086	3085	3086	146.5005	-29.085	-0.006	0.0705	-3.8055	1146.824	1
3086_3086	3086	3086	-148.136	-40.797	0.012	-0.027	3.8925	-1145.32	1
3086_3087	3086	3087	142.869	-33.876	-0.0165	-0.054	-3.8955	1124.547	1
3087_3087	3087	3087	-144.356	-49.905	0.012	-0.1665	4.056	-1120.8	1
3087_3088	3087	3088	132.0585	-25.4715	-0.015	0.084	-3.918	1047.014	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3088_3088	3088	3088	-130.943	-45.5085	0.0315	-0.054	4.2135	-1027.99	1
3088_3089	3088	3089	123.5385	-26.9685	-0.042	-0.0285	-4.2375	981.2655	1
3089_3089	3089	3089	-116.184	-57.522	0.0285	-0.2385	4.1745	-992.757	1
3089_3090	3089	3090	108.147	-20.868	-0.036	0.1575	-3.9525	945.117	1
3090_3090	3090	3090	-99.108	-52.9305	-0.018	-0.057	4.398	-894.299	1
3090_3091	3090	3091	88.0365	-21.6345	0.024	-0.0315	-3.3855	854.553	1
3091_3091	3091	3091	-73.2345	-62.961	-0.03	-0.312	5.1045	-809.741	1
3091_3092	3091	3092	54.222	-12.6825	0.021	0.1875	-3.5895	675.96	1
3092_3092	3092	3092	-37.26	-67.251	0.051	-0.1455	4.3815	-609.125	1
3092_3093	3092	3093	28.647	-9.0105	0.0015	0.045	-3.3075	463.7085	1
3093_3093	3093	3093	-8.1255	-78.687	0.0435	-0.3165	4.6605	-386.738	1
3093_3094	3093	3094	15.774	-5.289	0.0015	-0.0945	-0.159	222.8265	1
3094_3094	3094	3094	-96.5895	-11.3295	-0.0855	-0.045	6.201	-400.343	1
3094_3095	3094	3095	63.516	-70.4685	-0.033	-0.0435	-1.977	327.756	1
3095_3095	3095	3095	-101.657	-16.29	-0.057	-0.1965	5.517	-515.508	1
3095_3096	3095	3096	73.9665	-63.138	-0.0675	0.0435	-2.0355	464.7525	1
3096_3096	3096	3096	-106.811	-21.426	-0.0345	-0.171	4.6155	-592.028	1
3096_3097	3096	3097	82.9725	-55.599	-0.0855	0.006	-2.079	558.567	1
3097_3097	3097	3097	-109.115	-21.4905	-0.1005	-0.0465	4.0215	-648.78	1
3097_3098	3097	3098	93.7305	-55.3125	0.0285	-0.0945	-1.3215	661.3215	1
3098_3098	3098	3098	-112.224	-27.1035	-0.0825	-0.1695	2.9445	-711.69	1
3098_3099	3098	3099	100.0485	-47.6415	0.009	0.0225	-0.8025	720.7635	1
3099_3099	3099	3099	-112.404	-33.528	-0.0705	-0.1485	2.0775	-747.953	1
3099_3100	3099	3100	102.387	-40.4925	-0.006	-0.012	-0.519	740.742	1
3100_3100	3100	3100	-109.901	-30.5565	-0.057	-0.4845	1.371	-754.859	1
3100_3101	3100	3101	107.1765	-46.1835	-0.039	0.519	-0.5925	777.63	1
3101_3101	3101	3101	-110.733	-35.3325	-0.045	-0.5655	0.9825	-779.208	1
3101_3102	3101	3102	109.47	-40.593	-0.054	0.5265	-0.8385	790.2285	1
3102_3102	3102	3102	-110.307	-40.6305	-0.057	0.6435	0.7365	-788.703	1
3102_3103	3102	3103	109.611	-35.304	-0.0435	-0.6765	-1.107	781.122	1
3103_3103	3103	3103	-107.732	-46.2135	-0.0375	0.3855	0.5055	-776.511	1
3103_3104	3103	3104	108.4965	-30.5265	-0.06	-0.3585	-1.5525	757.104	1
3104_3104	3104	3104	-102.641	-40.4925	-0.006	0.045	0.477	-739.935	1
3104_3105	3104	3105	110.6175	-33.474	-0.072	-0.21	-2.31	750.5085	1
3105_3105	3105	3105	-99.9225	-47.6505	0.012	-0.072	0.8085	-720.563	1
3105_3106	3105	3106	110.061	-27.042	-0.0885	-0.066	-3.2685	714.4515	1
3106_3106	3106	3106	-93.2175	-55.3335	0.0285	-0.0465	1.404	-661.637	1
3106_3107	3106	3107	106.5855	-21.423	-0.1005	-0.093	-4.395	651.6855	1
3107_3107	3107	3107	-82.071	-55.5525	-0.0825	0.0045	2.2125	-559.311	1
3107_3108	3107	3108	103.9485	-21.3735	-0.0375	-0.1275	-5.055	595.14	1
3108_3108	3108	3108	-72.7155	-63.1065	-0.0645	0.0345	2.244	-466.136	1
3108_3109	3108	3109	98.4495	-16.2195	-0.06	-0.1545	-6.0195	518.559	1
3109_3109	3109	3109	-61.722	-70.4835	-0.036	-0.006	2.2935	-330.462	1
3109_3110	3109	3110	92.769	-11.2455	-0.0825	-0.081	-6.8655	403.98	1
3110_3110	3110	3110	-13.545	-3.2085	0.003	-0.06	-0.273	-152.267	1
3110_3111	3110	3111	6.3885	-77.259	0.051	-0.381	-5.448	405.396	1
3111_3111	3111	3111	-27.6495	-9.621	-0.003	0.006	3.783	-480.201	1
3111_3112	3111	3112	34.194	-65.637	0.0615	-0.1365	-5.1795	613.884	1
3112_3112	3112	3112	-52.5	-13.3095	0.012	0.2115	4.0995	-687.365	1
3112_3113	3112	3113	68.163	-61.353	-0.0135	-0.342	-5.763	799.182	1
3113_3113	3113	3113	-85.158	-22.401	0.0135	-0.0675	3.7455	-857.514	1
3113_3114	3113	3114	91.7595	-51.2115	-0.0015	-0.0285	-4.77	867.414	1
3114_3114	3114	3114	-103.482	-21.5505	-0.0495	0.06	4.2435	-936.837	1
3114_3115	3114	3115	107.151	-55.9125	0.048	-0.12	-4.4085	954.6	1
3115_3115	3115	3115	-128.129	-27.555	-0.0405	0.015	3.339	-910.052	1
3115_3116	3115	3116	130.35	-42.9915	0.039	-0.0525	-3.102	919.3305	1
3116_3116	3116	3116	-134.385	-25.9845	-0.0165	0.0825	2.943	-954.72	1
3116_3117	3116	3117	142.9095	-47.6025	0.015	-0.1425	-2.895	995.1105	1
3117_3117	3117	3117	-143.796	-34.6095	-0.0195	-0.111	2.847	-1014.59	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3117_3118	3117	3118	144.9345	-38.2545	0.015	0.0465	-2.664	1004.567	1
3118_3118	3118	3118	-145.121	-29.4345	-0.018	0.0765	2.6805	-1019.57	1
3118_3119	3118	3119	153.12	-43.7835	0.0135	-0.138	-2.448	1055.145	1
3119_3119	3119	3119	-152.663	-38.3145	-0.0195	-0.1305	2.5185	-1063.26	1
3119_3120	3119	3120	150.336	-34.518	0.015	0.0675	-2.2215	1037.451	1
3120_3120	3120	3120	-150.503	-32.3775	-0.015	0.0075	2.313	-1044.7	1
3120_3121	3120	3121	154.0305	-39.789	0.009	-0.0555	-2.052	1063.536	1
3121_3121	3121	3121	-155.514	-42.1455	-0.015	-0.0855	2.142	-1072.73	1
3121_3122	3121	3122	145.3695	-30.036	0.0075	0.0345	-1.899	1012.574	1
3122_3122	3122	3122	-148.154	-36.882	-0.0135	-0.0075	1.9785	-1023.39	1
3122_3123	3122	3123	144.066	-35.949	0.006	-0.045	-1.7745	1009.718	1
3123_3123	3123	3123	-147.545	-46.146	-0.012	-0.102	1.839	-1019.49	1
3123_3124	3123	3124	132.969	-27.0345	0.006	0.048	-1.662	944.4075	1
3124_3124	3124	3124	-135.984	-40.6245	0	0.015	1.7115	-947.486	1
3124_3125	3124	3125	128.3235	-32.13	-0.0075	-0.0855	-1.695	919.293	1
3125_3125	3125	3125	-130.557	-49.977	0	-0.156	1.737	-916.61	1
3125_3126	3125	3126	116.1495	-23.5635	-0.0045	0.087	-1.6815	842.4045	1
3126_3126	3126	3126	-114.513	-45.552	0	-0.033	1.767	-819.18	1
3126_3127	3126	3127	107.4075	-25.413	-0.009	-0.0315	-1.7025	782.5725	1
3127_3127	3127	3127	-103.175	-57.4545	0	-0.099	1.6035	-746.501	1
3127_3128	3127	3128	97.239	-19.215	-0.009	0.063	-1.557	720.5595	1
3128_3128	3128	3128	-83.8455	-52.4895	0.006	-0.0195	1.614	-650.28	1
3128_3129	3128	3129	78.222	-20.628	-0.0075	-0.0405	-1.5525	648.4935	1
3129_3129	3129	3129	-51.4905	-62.6955	0.003	-0.246	2.028	-605.274	1
3129_3130	3129	3130	40.941	-11.898	-0.012	0.15	-2.0115	525.267	1
3130_3130	3130	3130	-18.039	-67.4175	-0.06	-0.117	2.0115	-411.078	1
3130_3131	3130	3131	17.8125	-7.6155	0.1095	0.024	-0.672	325.1685	1
3131_3131	3131	3131	8.934	-78.8085	-0.0675	-0.159	1.1355	-194.487	1
3131_3132	3131	3132	22.254	-5.6205	-0.036	-0.0105	-1.803	295.4415	1
3132_3132	3132	3132	-87.1635	-8.001	0.1125	-0.1965	0.4575	-276.374	1
3132_3133	3132	3133	56.1465	-71.3865	-0.1665	0.231	0.0015	248.9625	1
3133_3133	3133	3133	-99.2625	-13.386	0.1095	-0.1665	1.164	-396.195	1
3133_3134	3133	3134	72.6795	-63.1605	-0.153	0.1695	-0.9345	373.215	1
3134_3134	3134	3134	-106.992	-18.7185	0.072	0.42	1.851	-477.467	1
3134_3135	3134	3135	84.339	-55.182	-0.1305	-0.1725	-1.731	468.9855	1
3135_3135	3135	3135	-111.482	-19.8525	-0.069	-0.0225	2.337	-540.092	1
3135_3136	3135	3136	97.155	-54.138	0.0405	-0.0315	-1.173	568.4175	1
3136_3136	3136	3136	-116.325	-25.7175	-0.0645	-0.0105	1.731	-604.458	1
3136_3137	3136	3137	104.3565	-46.128	0.0315	-0.0405	-0.7215	624.948	1
3137_3137	3137	3137	-117.242	-32.3835	-0.0585	-0.0855	1.1745	-640.545	1
3137_3138	3137	3138	106.551	-38.721	0.021	0.0255	-0.408	642.8025	1
3138_3138	3138	3138	-114.701	-28.887	-0.03	-0.009	0.681	-647.81	1
3138_3139	3138	3139	111.975	-45.075	-0.012	-0.0525	-0.4275	678.99	1
3139_3139	3139	3139	-116.205	-33.831	-0.024	0.0045	0.507	-673.494	1
3139_3140	3139	3140	114.2925	-39.2505	-0.018	-0.063	-0.5115	691.512	1
3140_3140	3140	3140	-116.048	-39.336	-0.015	-0.114	0.3945	-684.548	1
3140_3141	3140	3141	113.8425	-33.7485	-0.0255	0.054	-0.672	682.425	1
3141_3141	3141	3141	-113.114	-45.165	-0.012	0.021	0.366	-674.003	1
3141_3142	3141	3142	111.7635	-28.809	-0.0285	-0.0765	-0.876	658.779	1
3142_3142	3142	3142	-107.045	-39.1095	-0.0045	0.0135	0.393	-639.641	1
3142_3143	3142	3143	113.3175	-32.0595	-0.024	-0.0675	-1.1445	652.6875	1
3143_3143	3143	3143	-103.754	-46.5435	0.003	-0.0585	0.5295	-622.695	1
3143_3144	3143	3144	111.3435	-25.3905	-0.0315	0.0165	-1.4865	617.181	1
3144_3144	3144	3144	-95.457	-54.5565	0.0075	0.027	0.7635	-567.066	1
3144_3145	3144	3145	105.648	-19.5675	-0.033	-0.072	-1.8585	554.751	1
3145_3145	3145	3145	-81.5985	-55.1505	-0.06	-0.021	1.062	-469.013	1
3145_3146	3145	3146	100.803	-19.365	0.012	0.006	-1.8825	497.358	1
3146_3146	3146	3146	-69.5175	-62.973	-0.0555	0.0285	0.852	-378.162	1
3146_3147	3146	3147	92.661	-14.0415	0.0045	-0.0705	-2.016	420.3375	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3147_3147	3147	3147	-52.599	-71.0025	-0.048	0.003	0.741	-259.089	1
3147_3148	3147	3148	80.5125	-8.9835	-0.009	-0.0495	-2.4435	317.079	1
3148_3148	3148	3148	-28.9515	-3.6225	-0.003	-0.0465	0.2625	-233.942	1
3148_3149	3148	3149	-11.5965	-75.909	0.021	-0.153	-2.142	288.36	1
3149_3149	3149	3149	-17.631	-9.735	0.009	0.024	1.572	-400.32	1
3149_3150	3149	3150	13.3665	-64.4805	0.0255	-0.063	-1.971	476.7705	1
3150_3150	3150	3150	-40.119	-13.629	0.009	0.0615	1.743	-587.259	1
3150_3151	3150	3151	44.1825	-59.964	-0.0135	-0.111	-2.28	641.304	1
3151_3151	3151	3151	-77.28	-22.2195	0.0135	0.0195	1.641	-690.768	1
3151_3152	3151	3152	74.0055	-49.9935	-0.006	-0.0315	-1.9515	657.1965	1
3152_3152	3152	3152	-93.888	-21.3765	-0.0225	0.003	1.9185	-747.89	1
3152_3153	3152	3153	89.697	-54.36	0.009	-0.021	-1.833	732.417	1
3153_3153	3153	3153	-112.092	-27.3795	-0.0165	0.0045	1.4775	-769.347	1
3153_3154	3153	3154	106.134	-42.144	0.0045	-0.0165	-1.3905	748.806	1
3154_3154	3154	3154	-115.416	-25.8615	-0.0105	0.0135	1.3485	-798.119	1
3154_3155	3154	3155	118.0155	-45.909	0.0045	-0.0345	-1.2915	814.6485	1
3155_3155	3155	3155	-122.975	-34.4835	-0.012	-0.0285	1.281	-844.923	1
3155_3156	3155	3156	118.599	-36.498	0.006	0.0045	-1.1985	817.0995	1
3156_3156	3156	3156	-121.967	-30.336	-0.0045	-0.009	1.1895	-839.808	1
3156_3157	3156	3157	124.992	-41.682	0	-0.009	-1.1775	853.4745	1
3157_3157	3157	3157	-126.494	-38.5485	-0.0045	-0.0045	1.167	-864.743	1
3157_3158	3157	3158	122.2965	-33.261	-0.0015	-0.012	-1.176	839.115	1
3158_3158	3158	3158	-122.621	-33.438	-0.0015	-0.0105	1.161	-841.391	1
3158_3159	3158	3159	125.91	-38.4975	-0.0045	-0.0075	-1.2	860.838	1
3159_3159	3159	3159	-124.989	-41.8155	0	-0.0075	1.1775	-853.671	1
3159_3160	3159	3160	121.1265	-30.2715	-0.006	-0.009	-1.2375	834.411	1
3160_3160	3160	3160	-118.361	-36.8475	0.006	0.0045	1.2135	-815.69	1
3160_3161	3160	3161	121.8285	-34.4355	-0.0135	-0.03	-1.344	837.825	1
3161_3161	3161	3161	-117.333	-46.167	0.006	-0.0345	1.3275	-810.447	1
3161_3162	3161	3162	113.9265	-25.8135	-0.012	0.0135	-1.425	789.237	1
3162_3162	3162	3162	-105.18	-42.633	0.0045	-0.0225	1.446	-742.856	1
3162_3163	3162	3163	109.8915	-27.174	-0.018	0.0135	-1.5765	756.6975	1
3163_3163	3163	3163	-90.4125	-54.6945	0.0105	0.0105	1.671	-711.563	1
3163_3164	3163	3164	93.6795	-21.153	-0.0225	-0.024	-1.8045	722.016	1
3164_3164	3164	3164	-74.2275	-50.775	-0.009	-0.033	1.803	-635.547	1
3164_3165	3164	3165	76.1775	-21.7215	0.015	0.024	-1.524	660.4695	1
3165_3165	3165	3165	-47.082	-60.555	-0.0135	-0.0795	1.8885	-594.392	1
3165_3166	3165	3166	41.202	-13.1985	0.0105	0.045	-1.446	538.182	1
3166_3166	3166	3166	-14.082	-65.463	0.0225	-0.0525	1.611	-430.215	1
3166_3167	3166	3167	17.3655	-9.324	0.0075	0.024	-1.299	356.961	1
3167_3167	3167	3167	12.6195	-76.6965	0.018	-0.123	1.7715	-240.836	1
3167_3168	3167	3168	33.3885	-4.1985	0	-0.039	-0.21	269.6025	1
3168_3168	3168	3168	-84.7155	-9.123	-0.0195	-0.0195	2.127	-302.012	1
3168_3169	3168	3169	55.29	-71.5875	-0.0315	-0.0255	-0.6075	243.465	1
3169_3169	3169	3169	-97.206	-13.998	-0.0045	-0.051	1.3635	-402.503	1
3169_3170	3169	3170	73.4175	-63.795	-0.033	0.009	-0.5355	363.0285	1
3170_3170	3170	3170	-106.082	-19.1175	0.003	-0.042	1.218	-477.311	1
3170_3171	3170	3171	86.901	-56.166	-0.0375	-0.0015	-0.663	455.5455	1
3171_3171	3171	3171	-111.686	-19.509	-0.0225	-0.0345	1.1715	-534.696	1
3171_3172	3171	3172	101.9355	-55.1835	0.003	-0.006	-0.4905	553.4235	1
3172_3172	3172	3172	-118.086	-25.155	-0.0195	-0.03	0.927	-596.33	1
3172_3173	3172	3173	111.213	-47.3145	-0.0015	-0.012	-0.3675	611.382	1
3173_3173	3173	3173	-120.761	-31.626	-0.015	-0.0225	0.7275	-633.621	1
3173_3174	3173	3174	115.2135	-39.963	-0.0045	-0.0195	-0.303	632.388	1
3174_3174	3174	3174	-119.865	-29.0595	-0.021	-0.0795	0.5745	-644.169	1
3174_3175	3174	3175	121.4595	-45.216	-0.0105	0.0435	-0.3015	665.628	1
3175_3175	3175	3175	-122.171	-33.921	-0.0195	0.033	0.441	-667.859	1
3175_3176	3175	3176	124.458	-39.507	-0.0135	-0.078	-0.3435	676.4595	1
3176_3176	3176	3176	-122.747	-39.3165	-0.0135	-0.075	0.342	-677.774	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3176_3177	3176	3177	124.5375	-34.101	-0.0195	0.0315	-0.4455	666.783	1
3177_3177	3177	3177	-120.425	-45.0195	-0.0105	0.0465	0.3	-667.236	1
3177_3178	3177	3178	122.8635	-29.229	-0.021	-0.081	-0.5805	643.272	1
3178_3178	3178	3178	-114.854	-39.909	-0.0045	-0.006	0.3015	-634.259	1
3178_3179	3178	3179	124.5705	-31.812	-0.015	-0.0495	-0.726	632.9565	1
3179_3179	3179	3179	-111.671	-47.235	-0.0015	0.0075	0.366	-613.059	1
3179_3180	3179	3180	122.6985	-25.3485	-0.018	-0.0585	-0.9105	596.016	1
3180_3180	3180	3180	-103.247	-55.077	0.0045	-0.051	0.4845	-555.138	1
3180_3181	3180	3181	117.054	-19.6965	-0.024	0.0015	-1.1535	534.594	1
3181_3181	3181	3181	-89.058	-56.2485	-0.0375	0.0195	0.66	-457.463	1
3181_3182	3181	3182	112.1055	-19.2615	0.0045	-0.0675	-1.1835	477.279	1
3182_3182	3182	3182	-76.314	-63.828	-0.0315	-0.012	0.5325	-364.614	1
3182_3183	3182	3183	103.9005	-14.169	-0.006	-0.012	-1.3335	402.6795	1
3183_3183	3183	3183	-59.4525	-71.4855	-0.03	-0.009	0.546	-242.574	1
3183_3184	3183	3184	92.784	-9.2925	-0.015	-0.042	-1.8375	299.4705	1
3184_3184	3184	3184	-21.7725	-5.364	-0.006	-0.0435	0.372	-233.049	1
3184_3185	3184	3185	-7.56	-79.3455	0.0135	-0.1245	-1.5405	213.321	1
3185_3185	3185	3185	-20.6715	-8.277	0.009	0.024	1.149	-334.541	1
3185_3186	3185	3186	21.846	-68.3505	0.0165	-0.0555	-1.4175	422.8005	1
3186_3186	3186	3186	-46.3365	-12.147	0.0135	0.057	1.305	-523.164	1
3186_3187	3186	3187	58.818	-63.237	-0.021	-0.0975	-1.7715	608.91	1
3187_3187	3187	3187	-83.7705	-20.454	0.018	0.0195	1.434	-658.611	1
3187_3188	3187	3188	89.964	-53.4225	-0.015	-0.0315	-1.7775	671.3985	1
3188_3188	3188	3188	-104.777	-20.31	-0.0135	0.0075	1.755	-735.519	1
3188_3189	3188	3189	108.6975	-56.634	0	-0.0285	-1.734	758.43	1
3189_3189	3189	3189	-120.824	-26.415	-0.0105	0.0075	1.539	-817.001	1
3189_3190	3189	3190	124.5555	-44.9415	-0.003	-0.024	-1.56	844.8075	1
3190_3190	3190	3190	-128.984	-25.6845	-0.0075	-0.0015	1.5015	-872.336	1
3190_3191	3190	3191	138.2625	-47.955	-0.003	-0.024	-1.5495	924.0225	1
3191_3191	3191	3191	-139.235	-34.089	-0.0045	0.0045	1.494	-935.171	1
3191_3192	3191	3192	141.0105	-38.85	-0.0045	-0.0285	-1.572	939.072	1
3192_3192	3192	3192	-141.251	-30.6225	-0.003	-0.0045	1.5105	-946.344	1
3192_3193	3192	3193	148.431	-43.374	-0.006	-0.021	-1.6035	982.956	1
3193_3193	3193	3193	-147.548	-38.649	-0.0015	0	1.5375	-982.016	1
3193_3194	3193	3194	147.0195	-35.199	-0.0075	-0.024	-1.6605	975.279	1
3194_3194	3194	3194	-145.556	-34.221	0.0045	-0.0075	1.5885	-968.16	1
3194_3195	3194	3195	150.9915	-39.726	-0.0135	-0.0165	-1.764	999.8775	1
3195_3195	3195	3195	-148.794	-42.3945	0.0075	-0.003	1.698	-985.784	1
3195_3196	3195	3196	146.8575	-31.764	-0.0135	-0.0195	-1.8765	975.891	1
3196_3196	3196	3196	-143.216	-38.127	0.0105	-0.036	1.836	-951.986	1
3196_3197	3196	3197	147.1965	-35.2335	-0.0195	0.0225	-2.034	977.4	1
3197_3197	3197	3197	-142.253	-47.1855	0.0135	0.021	2.022	-946.598	1
3197_3198	3197	3198	139.2075	-26.931	-0.0225	-0.0345	-2.2005	926.946	1
3198_3198	3198	3198	-130.584	-44.4885	0.0105	-0.015	2.25	-878.456	1
3198_3199	3198	3199	133.533	-27.6435	-0.018	-0.006	-2.31	885.528	1
3199_3199	3199	3199	-116.412	-56.3565	0.012	-0.057	2.5815	-798.593	1
3199_3200	3199	3200	117.558	-21.6555	-0.021	0.0315	-2.508	803.82	1
3200_3200	3200	3200	-99.489	-53.877	-0.003	-0.036	2.7045	-722.43	1
3200_3201	3200	3201	96.3825	-21.303	0.0105	0.009	-2.2005	732.6885	1
3201_3201	3201	3201	-65.952	-63.693	-0.012	-0.21	3.9915	-691.622	1
3201_3202	3201	3202	54.96	-13.203	0.012	0.1365	-2.874	621.9705	1
3202_3202	3202	3202	-30.6735	-69.0705	0.036	-0.1245	3.5955	-515.954	1
3202_3203	3202	3203	28.2645	-9.333	0	0.072	-2.5815	429.909	1
3203_3203	3203	3203	-1.5945	-79.7025	0.0315	-0.2535	3.75	-313.982	1
3203_3204	3203	3204	17.1675	-4.0665	0	-0.0765	0.198	176.0445	1
3204_3204	3204	3204	-98.196	-11.3535	-0.057	-0.1035	4.806	-372.308	1
3204_3205	3204	3205	62.6715	-72.585	-0.0165	0.0165	-1.6035	286.7865	1
3205_3205	3205	3205	-108.608	-15.9585	-0.0405	-0.0105	3.27	-476.735	1
3205_3206	3205	3206	79.215	-65.4225	-0.021	-0.012	-1.116	412.68	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3206_3206	3206	3206	-115.638	-20.6865	-0.0255	-0.075	2.6805	-546.803	1
3206_3207	3206	3207	91.824	-58.3455	-0.0315	0.0285	-0.9915	508.0065	1
3207_3207	3207	3207	-119.91	-21.3075	-0.0495	-0.045	2.268	-601.503	1
3207_3208	3207	3208	105.723	-56.7585	-0.0015	-0.03	-0.6675	607.209	1
3208_3208	3208	3208	-124.775	-26.5995	-0.0405	-0.027	1.7025	-659.495	1
3208_3209	3208	3209	114.66	-49.3545	-0.0105	-0.045	-0.4785	668.967	1
3209_3209	3209	3209	-126.485	-32.6145	-0.03	-0.1035	1.257	-695.316	1
3209_3210	3209	3210	119.0145	-42.3555	-0.021	0.0195	-0.438	695.7465	1
3210_3210	3210	3210	-125.313	-30.954	-0.042	-0.021	0.948	-707.546	1
3210_3211	3210	3211	124.74	-46.299	-0.018	-0.0585	-0.438	729.006	1
3211_3211	3211	3211	-126.797	-35.5785	-0.0345	-0.006	0.6825	-729.432	1
3211_3212	3211	3212	127.62	-40.917	-0.0255	-0.0705	-0.531	740.949	1
3212_3212	3212	3212	-126.831	-40.6785	-0.024	-0.12	0.504	-738.516	1
3212_3213	3212	3213	127.968	-35.8065	-0.036	0.0405	-0.7275	733.512	1
3213_3213	3213	3213	-124.349	-46.05	-0.018	0.0165	0.435	-728.294	1
3213_3214	3213	3214	126.8445	-31.1655	-0.0405	-0.0915	-0.999	713.148	1
3214_3214	3214	3214	-119.022	-42.2235	-0.0195	-0.0705	0.453	-696.783	1
3214_3215	3214	3215	128.451	-32.8395	-0.03	0.0165	-1.3035	702.795	1
3215_3215	3215	3215	-115.131	-49.1955	-0.012	0.0165	0.5175	-671.859	1
3215_3216	3215	3216	127.152	-26.8065	-0.036	-0.081	-1.713	668.616	1
3216_3216	3216	3216	-106.682	-56.583	-0.003	0.027	0.7005	-612.08	1
3216_3217	3216	3217	122.6295	-21.492	-0.0435	-0.0855	-2.2425	611.8845	1
3217_3217	3217	3217	-93.276	-58.302	-0.042	-0.027	1.011	-515.108	1
3217_3218	3217	3218	118.5405	-20.7825	-0.024	-0.06	-2.634	557.625	1
3218_3218	3218	3218	-81.051	-65.358	-0.033	0.0465	1.0635	-421.202	1
3218_3219	3218	3219	111.6525	-16.0335	-0.0315	-0.1485	-3.153	487.5765	1
3219_3219	3219	3219	-65.421	-72.399	-0.012	-0.0645	1.2915	-293.946	1
3219_3220	3219	3220	101.832	-11.379	-0.0615	0.006	-4.1775	379.5195	1
3220_3220	3220	3220	-17.6745	-5.8605	-0.009	-0.078	-0.3405	-195.548	1
3220_3221	3220	3221	4.7295	-80.9535	0.0315	-0.345	-3.141	326.94	1
3221_3221	3221	3221	-31.413	-9.3195	0	-0.0165	2.247	-439.859	1
3221_3222	3221	3222	36.1245	-70.851	0.039	-0.1455	-2.9115	540.5895	1
3222_3222	3222	3222	-59.3565	-12.9975	0.018	0.3015	2.397	-632.558	1
3222_3223	3222	3223	75.5685	-65.991	-0.0195	-0.477	-3.384	736.5405	1
3223_3223	3223	3223	-102.924	-20.6445	0.0105	-0.1545	1.863	-748.632	1
3223_3224	3223	3224	113.7105	-56.5335	-0.0045	0.036	-2.367	782.739	1
3224_3224	3224	3224	-127.179	-20.8845	-0.009	0.2355	2.1465	-833.028	1
3224_3225	3224	3225	133.4475	-59.211	0.0015	-0.318	-2.37	871.437	1
3225_3225	3225	3225	-135.191	-26.688	-0.012	-0.1725	2.2755	-961.649	1
3225_3226	3225	3226	142.95	-46.3995	0.006	0.03	-2.391	1025.787	1
3226_3226	3226	3226	-145.893	-27.816	-0.012	0.207	2.286	-1040.3	1
3226_3227	3226	3227	156.1335	-48.4485	0	-0.345	-2.3355	1109.144	1
3227_3227	3227	3227	-155.985	-36.4545	-0.0135	-0.264	2.253	-1108.61	1
3227_3228	3227	3228	157.743	-39.1335	0.0015	0.1275	-2.2665	1118.906	1
3228_3228	3228	3228	-157.476	-34.0725	-0.003	0.198	2.1915	-1118.78	1
3228_3229	3228	3229	162.915	-41.835	-0.009	-0.3375	-2.322	1151.736	1
3229_3229	3229	3229	-162.219	-43.125	-0.006	-0.288	2.244	-1148.64	1
3229_3230	3229	3230	156.894	-32.7795	-0.0075	0.1575	-2.367	1112.967	1
3230_3230	3230	3230	-155.889	-40.7835	0.0045	0.1635	2.2845	-1107.48	1
3230_3231	3230	3231	154.8375	-34.7385	-0.0135	-0.2985	-2.463	1098.243	1
3231_3231	3231	3231	-152.73	-50.3055	0.0015	-0.288	2.433	-1086.89	1
3231_3232	3231	3232	142.9395	-26.097	-0.0105	0.168	-2.502	1018.44	1
3232_3232	3232	3232	-137.637	-49.8075	-0.006	0.048	2.55	-990.417	1
3232_3233	3232	3233	138.609	-29.766	0.0135	-0.1545	-2.307	986.709	1
3233_3233	3233	3233	-129.864	-55.986	-0.009	0.0165	2.514	-940.64	1
3233_3234	3233	3234	130.5495	-24.5445	0.012	-0.0975	-2.127	930.4095	1
3234_3234	3234	3234	-117.701	-62.3685	-0.0225	-0.216	3.81	-871.008	1
3234_3235	3234	3235	114.036	-18.861	0.021	0.153	-3	845.973	1
3235_3235	3235	3235	-95.9625	-63.5595	0.09	0.009	3.5175	-756.825	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3235_3236	3235	3236	102.5265	-20.0565	-0.105	-0.0915	-3.51	797.0355	1
3236_3236	3236	3236	-79.839	-68.319	0.096	-0.081	3.9945	-683.604	1
3236_3237	3236	3237	89.9805	-16.818	-0.1005	0.021	-3.9165	743.5635	1
3237_3237	3237	3237	-51.3705	-72.7455	0.153	-0.5445	7.0395	-681.768	1
3237_3238	3237	3238	53.2305	-12.2775	-0.1305	0.4095	-7.017	687.366	1
3238_3238	3238	3238	-24.813	-60.6525	-0.1275	-0.18	8.5485	-499.526	1
3238_3239	3238	3239	38.8455	-19.2765	0.096	-0.048	-5.253	602.463	1
3239_3239	3239	3239	-9.3075	-68.832	-0.1335	-0.432	7.0005	-408.141	1
3239_3240	3239	3240	22.638	-12.8745	0.0795	0.243	-3.666	457.074	1
3240_3240	3240	3240	5.2425	-58.9845	-0.1305	-0.3045	5.259	-254.804	1
3240_3241	3240	3241	19.6815	-27.054	0.048	-0.003	-3.0075	421.0755	1
3241_3241	3241	3241	-123.23	-22.899	0.015	-0.093	7.1175	-597.617	1
3241_3242	3241	3242	85.173	-57.7725	-0.033	0.033	-4.2645	454.692	1
3242_3242	3242	3242	-125.721	-29.628	0.045	-0.432	6.1905	-641.829	1
3242_3243	3242	3243	88.6605	-51.6675	-0.0405	0.237	-3.471	495.0135	1
3243_3243	3243	3243	-123.453	-19.674	-0.2175	0.0075	6.2145	-651.746	1
3243_3244	3243	3244	104.994	-62.2215	0.099	-0.165	-1.5045	641.163	1
3244_3244	3244	3244	-129.501	-25.2825	-0.192	-0.204	3.7305	-734.148	1
3244_3245	3244	3245	117.1665	-53.325	0.0495	0.018	-0.255	745.7475	1
3245_3245	3245	3245	-132.006	-28.275	-0.0585	0.1425	1.4655	-790.449	1
3245_3246	3245	3246	126.9315	-49.377	-0.0255	-0.357	-0.153	822.504	1
3246_3246	3246	3246	-134.141	-35.325	-0.0195	-0.3435	0.7575	-838.523	1
3246_3247	3246	3247	130.554	-41.247	-0.0525	0.123	-0.438	842.3445	1
3247_3247	3247	3247	-132.53	-37.4865	-0.075	0.135	0.603	-848.418	1
3247_3248	3247	3248	133.5765	-39.27	0.036	-0.354	0.003	850.314	1
3248_3248	3248	3248	-131.288	-45.003	-0.0555	-0.273	-0.018	-852.014	1
3248_3249	3248	3249	132.2775	-31.3635	0.006	0.0555	0.084	812.1165	1
3249_3249	3249	3249	-123.539	-49.2705	0.0195	0.075	-0.489	-796.973	1
3249_3250	3249	3250	130.6275	-28.0065	-0.0525	-0.303	-0.6105	763.0215	1
3250_3250	3250	3250	-113.51	-58.2795	0.0495	-0.2025	-0.0015	-714.545	1
3250_3251	3250	3251	126.3975	-22.194	-0.063	0.009	-1.287	691.179	1
3251_3251	3251	3251	-98.7435	-46.377	0.0855	0.159	0.8205	-586.497	1
3251_3252	3251	3252	131.3535	-32.6115	-0.348	-0.4395	-4.185	694.392	1
3252_3252	3252	3252	-96.825	-53.2545	0.1485	-0.048	2.1645	-554.223	1
3252_3253	3252	3253	131.0205	-26.226	-0.4155	-0.0825	-7.986	658.467	1
3253_3253	3253	3253	-92.454	-60.429	0.1965	-0.1155	4.191	-489.366	1
3253_3254	3253	3254	127.992	-21.0735	-0.432	-0.0015	-11.34	597.2865	1
3254_3254	3254	3254	-85.272	-50.3175	-0.255	0.228	6.873	-408.053	1
3254_3255	3254	3255	130.269	-35.754	0.3765	0.822	-10.365	605.3865	1
3255_3255	3255	3255	-20.6805	-14.4	-0.2685	0.2625	4.8705	-432.893	1
3255_3256	3255	3256	2.1645	-71.334	0.5145	-0.642	-2.955	352.953	1
3256_3256	3256	3256	-34.5015	-19.77	-0.342	-0.087	2.355	-560.768	1
3256_3257	3256	3257	15.2535	-65.9205	0.54	-0.333	1.338	441.684	1
3257_3257	3257	3257	-44.817	-10.7565	0.174	0.303	-0.69	-631.974	1
3257_3258	3257	3258	40.6245	-76.797	-0.1935	-0.468	-0.561	634.896	1
3258_3258	3258	3258	-67.221	-15.3615	0.18	0.096	0.8925	-781.329	1
3258_3259	3258	3259	64.5645	-70.4265	-0.1905	-0.2775	-2.265	771.744	1
3259_3259	3259	3259	-102.932	-19.458	0.1125	-0.1905	1.488	-804.05	1
3259_3260	3259	3260	88.722	-67.9485	-0.1155	0.0885	-1.8375	735.0465	1
3260_3260	3260	3260	-110.028	-17.34	0.033	0.228	1.821	-830.115	1
3260_3261	3260	3261	111.2415	-67.227	-0.0615	-0.3165	-2.367	833.232	1
3261_3261	3261	3261	-128.667	-21.912	0.0405	0.0765	2.1135	-908.63	1
3261_3262	3261	3262	132.2655	-59.5875	-0.054	-0.153	-2.9685	933.6225	1
3262_3262	3262	3262	-149.544	-28.161	0.0345	-0.204	1.9395	-924.524	1
3262_3263	3262	3263	147.8685	-53.4105	-0.0315	0.099	-2.4495	933.2415	1
3263_3263	3263	3263	-155.808	-25.3995	-0.006	0.1305	2.3085	-965	1
3263_3264	3263	3264	164.775	-53.598	-0.012	-0.2115	-2.5215	1030.259	1
3264_3264	3264	3264	-168.254	-32.7765	-0.0045	-0.0735	2.388	-1041.24	1
3264_3265	3264	3265	171.8625	-44.739	-0.0135	-0.006	-2.625	1071.686	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3265_3265	3265	3265	-173.133	-31.9215	-0.003	0.159	2.49	-1072.97	1
3265_3266	3265	3266	180.4095	-45.8685	-0.0105	-0.255	-2.679	1121.34	1
3266_3266	3266	3266	-181.079	-40.1565	-0.006	-0.177	2.5725	-1120.27	1
3266_3267	3266	3267	178.6425	-37.545	-0.009	0.0825	-2.7285	1112.672	1
3267_3267	3267	3267	-179.082	-38.73	0.0075	0.1035	2.637	-1110.72	1
3267_3268	3267	3268	178.8615	-38.787	-0.0195	-0.1875	-2.8845	1114.818	1
3268_3268	3268	3268	-179.115	-47.238	0.0075	-0.1395	2.835	-1112.39	1
3268_3269	3268	3269	169.3755	-30.7245	-0.018	0.0585	-3.0075	1061.261	1
3269_3269	3269	3269	-168.77	-46.539	0.0075	0.0975	3.0285	-1055.45	1
3269_3270	3269	3270	161.7225	-30.6585	-0.0015	-0.1905	-2.886	1016.157	1
3270_3270	3270	3270	-158.565	-55.8225	0.0015	-0.198	3.153	-999.362	1
3270_3271	3270	3271	145.8105	-22.9965	0.003	0.114	-2.6775	922.134	1
3271_3271	3271	3271	-136.979	-58.671	0.021	0.1155	3.114	-878.598	1
3271_3272	3271	3272	137.5155	-24.0585	-0.0225	-0.21	-2.721	871.755	1
3272_3272	3272	3272	-115.161	-64.44	0.0285	-0.081	4.314	-879.768	1
3272_3273	3272	3273	111.162	-18.4905	-0.021	-0.0135	-3.5925	856.749	1
3273_3273	3273	3273	-90.18	-71.961	0.027	-0.402	4.4955	-749.058	1
3273_3274	3273	3274	90.5175	-14.256	-0.009	0.291	-3.372	760.956	1
3274_3274	3274	3274	-63.9675	-57.2145	-0.1815	0.0585	4.62	-614.9	1
3274_3275	3274	3275	88.146	-28.524	0.1365	-0.156	-2.958	755.8815	1
3275_3275	3275	3275	-49.191	-58.9725	-0.285	-0.1425	6.555	-661.911	1
3275_3276	3275	3276	62.4345	-23.0685	0.1965	-0.081	-2.334	776.8485	1
3276_3276	3276	3276	-33.6405	-65.4705	-0.279	-0.438	3.8505	-594.836	1
3276_3277	3276	3277	46.542	-17.7225	0.183	0.2595	-0.279	687.042	1
3277_3277	3277	3277	-17.733	-58.632	0.189	-0.72	1.2615	-499.05	1
3277_3278	3277	3278	34.1685	-22.5705	-0.141	0.6015	-1.383	614.0115	1
3278_3278	3278	3278	-4.4415	-66.225	0.1725	-1.014	2.8395	-432.344	1
3278_3279	3278	3279	21.657	-16.926	-0.126	0.825	-2.1705	496.7565	1
3279_3279	3279	3279	-136.178	-32.0025	-0.0645	2.2965	5.073	-696.599	1
3279_3280	3279	3280	91.521	-52.446	0.1005	-2.1105	-1.7955	470.7405	1
3280_3280	3280	3280	-134.256	-22.7985	-0.0465	0.2415	4.503	-693.509	1
3280_3281	3280	3281	96.294	-60.768	-0.0225	-0.318	-1.5105	525.9885	1
3281_3281	3281	3281	-136.802	-26.661	-0.012	-0.0795	3.435	-717.765	1
3281_3282	3281	3282	102.9405	-52.3605	-0.0345	-0.0585	-1.1205	581.826	1
3282_3282	3282	3282	-136.86	-33.4845	0.0195	-0.384	2.9385	-746.411	1
3282_3283	3282	3283	104.907	-45.4245	-0.045	0.1215	-1.0155	605.2605	1
3283_3283	3283	3283	-117.126	-29.6415	-0.4905	0.1965	8.6265	-801.185	1
3283_3284	3283	3284	98.7825	-46.3515	0.051	-0.3945	-0.12	735.4485	1
3284_3284	3284	3284	-112.842	-38.844	-0.351	-0.4905	2.1435	-814.052	1
3284_3285	3284	3285	99.8655	-36.8205	-0.102	0.183	-0.5235	731.667	1
3285_3285	3285	3285	-103.733	-33.351	0.036	0.201	-1.362	-759.791	1
3285_3286	3285	3286	107.5095	-40.3305	-0.0105	-0.483	-1.098	778.3485	1
3286_3286	3286	3286	-102.906	-43.2075	0.0765	-0.51	-0.2955	-774.102	1
3286_3287	3286	3287	109.323	-31.8015	-0.0525	0.24	-1.863	752.7945	1
3287_3287	3287	3287	-97.0755	-38.9415	-0.0675	0.15	0.9795	-718.095	1
3287_3288	3287	3288	118.533	-36.108	-0.1065	-0.444	-3.102	786.396	1
3288_3288	3288	3288	-96.7005	-48.543	0.0075	-0.3345	1.0575	-703.707	1
3288_3289	3288	3289	122.8335	-28.053	-0.1995	0.1455	-5.691	762.165	1
3289_3289	3289	3289	-91.1565	-45.552	-0.099	0.1665	2.361	-618.987	1
3289_3290	3289	3290	130.068	-34.6545	-0.0375	-0.534	-6.5445	786.7575	1
3290_3290	3290	3290	-91.5525	-52.4835	-0.0555	-0.0345	2.5305	-592.335	1
3290_3291	3290	3291	133.221	-28.8465	-0.111	-0.132	-8.118	774.831	1
3291_3291	3291	3291	-90.5415	-59.3805	-0.006	-0.2865	3.2955	-551.279	1
3291_3292	3291	3292	134.1705	-23.832	-0.1845	0.195	-10.599	751.3335	1
3292_3292	3292	3292	-88.146	-54.2595	-0.213	1.794	4.6335	-476.628	1
3292_3293	3292	3293	136.305	-34.797	0.4245	-0.7305	-9.834	761.523	1
3293_3293	3293	3293	-21.792	-15.7275	0.0525	0.06	2.1645	-536.415	1
3293_3294	3293	3294	19.146	-73.02	0.4095	-0.5235	-3.732	617.5545	1
3294_3294	3294	3294	-32.6985	-20.4765	-0.042	-0.615	2.8215	-679.223	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3294_3295	3294	3295	37.0545	-65.7855	0.471	0.168	0.426	785.424	1
3295_3295	3295	3295	-45.114	-14.049	-0.039	0.6555	1.518	-808.479	1
3295_3296	3295	3296	61.461	-70.857	-0.0465	-1.0185	-0.0075	1025.936	1
3296_3296	3296	3296	-65.856	-20.622	-0.0105	-0.2655	0.579	-1015.44	1
3296_3297	3296	3297	78.288	-64.2765	-0.0405	0.03	-0.6495	1166.847	1
3297_3297	3297	3297	-93.024	-26.1225	0.0075	-0.672	0.2775	-1055.65	1
3297_3298	3297	3298	100.1655	-60.4845	-0.0255	0.5115	-0.678	1134.009	1
3298_3298	3298	3298	-98.979	-20.508	0.072	0.3765	0.318	-1104.8	1
3298_3299	3298	3299	114.8385	-64.125	-0.078	-0.534	-1.5075	1274.903	1
3299_3299	3299	3299	-111.413	-25.908	0.0795	-0.021	0.9975	-1231.73	1
3299_3300	3299	3300	124.038	-58.1925	-0.0675	-0.066	-2.1405	1370.988	1
3300_3300	3300	3300	-102.488	-31.4355	0.132	-0.765	2.601	-1420.98	1
3300_3301	3300	3301	111.579	-53.3265	-0.0855	0.5775	-3.9345	1545.413	1
3301_3301	3301	3301	-107.351	-25.8555	-0.087	0.7605	3.69	-1487.15	1
3301_3302	3301	3302	123.3	-56.007	0.0795	-1.0725	-2.826	1700.886	1
3302_3302	3302	3302	-118.748	-34.1265	-0.096	-0.837	2.8065	-1640.41	1
3302_3303	3302	3303	128.178	-46.968	0.078	0.612	-1.7625	1765.377	1
3303_3303	3303	3303	-124.608	-30.93	-0.0225	0.6255	1.737	-1718.89	1
3303_3304	3303	3304	135.453	-50.5485	0.024	-0.8715	-1.3575	1861.862	1
3304_3304	3304	3304	-133.539	-40.002	-0.0285	-0.8115	1.4775	-1837.45	1
3304_3305	3304	3305	135.654	-42.33	0.0285	0.5985	-0.9345	1864.302	1
3305_3305	3305	3305	-135.342	-35.0955	-0.0345	0.759	1.146	-1861.04	1
3305_3306	3305	3306	138.9765	-46.533	0.033	-1.0155	-0.357	1908.144	1
3306_3306	3306	3306	-140.415	-44.3745	-0.0405	-1.113	0.636	-1928.13	1
3306_3307	3306	3307	135.6825	-38.694	0.036	0.831	0.1455	1863.711	1
3307_3307	3307	3307	-138.645	-38.364	-0.033	0.7125	0.1245	-1904.33	1
3307_3308	3307	3308	135.366	-43.575	0.0255	-0.9255	0.57	1858.104	1
3308_3308	3308	3308	-140.375	-47.16	-0.0375	-0.981	-0.3765	-1927.11	1
3308_3309	3308	3309	128.16	-35.037	0.0255	0.6795	0.906	1759.85	1
3309_3309	3309	3309	-135.441	-41.4645	-0.0405	0.6285	-0.8655	-1861.17	1
3309_3310	3309	3310	122.8125	-39.0915	0.054	-0.7755	1.4955	1684.682	1
3310_3310	3310	3310	-133.811	-49.9875	-0.0465	-0.78	-1.413	-1838.88	1
3310_3311	3310	3311	108.1305	-28.9875	0.054	0.462	2.0145	1482.603	1
3311_3311	3311	3311	-124.589	-46.356	-0.0345	0.5265	-2.103	-1714.86	1
3311_3312	3311	3312	90.4575	-27.8325	-0.069	-0.546	0.8055	1237.506	1
3312_3312	3312	3312	-116.484	-56.046	0.0015	-0.7965	-2.1525	-1604.62	1
3312_3313	3312	3313	63.684	-16.572	-0.06	0.339	-0.333	869.5635	1
3313_3313	3313	3313	-98.6685	-55.8555	-0.093	0.1965	-1.2615	-1363.49	1
3313_3314	3313	3314	44.1795	-13.119	0.0555	-0.2145	0.4635	602.0895	1
3314_3314	3314	3314	-74.958	-68.7525	-0.114	-0.831	-1.932	-1041.15	1
3314_3315	3314	3315	20.79	-5.4675	0.033	0.2175	0.606	283.212	1
3315_3315	3315	3315	-34.5855	-84.6825	0.3285	0.579	-2.688	-492.941	1
3315_3316	3315	3316	1.7355	-4.9035	0.0285	-0.324	0	7.092	1
3400_3020	3400	3020	44.0025	-24.804	-3.1065	0.0675	-9.102	-633.758	1
3400_3401	3400	3401	-30.6555	-1.9875	2.232	0.063	-26.0655	-166.194	1
3401_3401	3401	3401	39.987	-20.5485	1.146	0.3135	-19.062	-540.969	1
3401_3402	3401	3402	-28.23	-2.175	1.6935	-0.1995	-18.144	-153.275	1
3402_3402	3402	3402	39.432	-19.59	1.0485	-0.171	-14.9085	-470.48	1
3402_3403	3402	3403	-37.974	-2.97	2.1135	-0.0375	0.63	-139.709	1
3403_3403	3403	3403	34.0065	-15.1785	0.1515	-0.03	-3.4095	-258.291	1
3403_3404	3403	3404	-46.8945	-4.326	-0.027	-0.0735	-0.165	-117.135	1
3404_3404	3404	3404	34.3425	-14.397	0.129	-0.096	-2.358	-148.947	1
3404_3405	3404	3405	-52.476	-5.4705	0.0255	-0.1695	-0.1425	-83.0955	1
3405_3405	3405	3405	32.1045	-11.361	0.0975	-0.0495	-1.3665	-41.3985	1
3405_3406	3405	3406	-59.6145	-7.4925	0.0945	-0.1365	0.774	20.619	1
3406_3406	3406	3406	30.2205	-9.6225	-0.1275	-0.18	0.042	128.5935	1
3406_3407	3406	3407	-66.4875	-9.9	-1.0455	-0.2775	-8.892	104.0085	1
3407_3407	3407	3407	30.4095	-9.0075	-0.177	0.2415	-0.912	213.8055	1
3407_3408	3407	3408	-68.5395	-11.286	-0.891	0.0915	-13.6245	164.142	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3408_3408	3408	3408	34.2555	-15.459	1.3395	-0.123	-5.0925	233.085	1
3408_3409	3408	3409	-19.845	-0.2985	0.939	-0.7965	-8.346	74.109	1
3409_3409	3409	3409	-18.6495	-0.1455	0.405	0.8205	-9.339	69.591	1
3409_3410	3409	3410	-31.5645	-15.0525	1.026	-0.063	3.8085	-236.342	1
3410_3410	3410	3410	74.997	-10.836	0.2655	0.282	-2.9085	-167.274	1
3410_3411	3410	3411	-30.0495	-8.856	-0.15	0.3195	0.69	-212.405	1
3411_3411	3411	3411	72.768	-9.2595	0.03	0.042	-0.9825	-109.589	1
3411_3412	3411	3412	-29.8545	-9.4935	-0.087	-0.2175	0.156	-128.267	1
3412_3412	3412	3412	74.028	-7.035	-0.0495	0.1215	-0.4965	-29.739	1
3412_3413	3412	3413	-30.1785	-11.148	0.0855	-0.036	1.377	35.568	1
3413_3413	3413	3413	72.588	-5.0775	0.1485	0.009	-0.978	67.9845	1
3413_3414	3413	3414	-31.311	-14.0655	0.075	-0.168	2.0025	142.158	1
3414_3414	3414	3414	66.4245	-3.4575	0.0135	0.21	0.129	99.627	1
3414_3415	3414	3415	-34.128	-14.8335	0.135	0.0705	2.9535	252.039	1
3415_3415	3415	3415	64.989	-1.902	-3.0255	-0.0945	0.5835	117.984	1
3415_3416	3415	3416	-38.559	-19.1865	1.011	-0.0015	14.1495	458.7705	1
3416_3416	3416	3416	54.003	-0.5025	-2.6745	0.6285	-28.1625	120.486	1
3416_3417	3416	3417	-39.492	-20.124	1.08	-0.195	18.501	527.403	1
3417_3417	3417	3417	51.828	-0.6075	-2.0865	-0.0975	-37.1895	117.2535	1
3417_3036	3417	3036	-40.506	-24.4065	-3.54	0.075	5.1015	625.662	1
3420_3056	3420	3056	45.624	-23.064	-3.7005	0.0675	-3.573	-559.103	1
3420_3421	3420	3421	-24.0405	-0.786	1.713	0.0525	-17.1315	-102.905	1
3421_3421	3421	3421	41.496	-18.8385	1.0575	-0.1065	-16.179	-474.426	1
3421_3422	3421	3422	-24	-0.9585	1.2555	-0.2415	-12.1785	-99.561	1
3422_3422	3422	3422	40.911	-17.8605	1.0065	-0.036	-12.2505	-410.135	1
3422_3423	3422	3423	-32.7465	-1.62	1.6485	-0.003	1.983	-99.234	1
3423_3423	3423	3423	35.259	-13.4625	0.0525	-0.0075	-1.3905	-218.97	1
3423_3424	3423	3424	-41.871	-2.814	-0.156	-0.051	0.6495	-89.511	1
3424_3424	3424	3424	32.6775	-12.6615	0.0315	-0.0975	-1.0605	-120.05	1
3424_3425	3424	3425	-48.7335	-3.84	-0.1155	-0.168	-0.2055	-68.625	1
3425_3425	3425	3425	31.881	-9.7215	0.0615	-0.036	-0.7815	-25.074	1
3425_3426	3425	3426	-67.6875	-5.64	-0.039	0.114	0.501	19.2615	1
3426_3426	3426	3426	31.6665	-8.016	-0.1575	-0.075	0.144	117.27	1
3426_3427	3426	3427	-62.301	-7.8405	-0.957	-0.204	-7.296	72.4215	1
3427_3427	3427	3427	31.824	-7.3695	-0.1755	0.0705	-1.1955	188.226	1
3427_3428	3427	3428	-71.1615	-9.2145	0.027	0.156	0.531	133.398	1
3428_3428	3428	3428	33.1935	-13.9935	0.819	-0.093	-3.5085	209.8155	1
3428_3429	3428	3429	19.2315	-0.5745	0.2895	1.0725	10.1655	-60.492	1
3429_3429	3429	3429	-17.847	-0.5235	-0.015	0.9795	-9.2025	55.11	1
3429_3430	3429	3430	-33.342	-14.0295	0.903	-0.1215	4.017	-210.06	1
3430_3430	3430	3430	64.7295	-9.5505	-1.0245	-0.099	13.011	-130.965	1
3430_3431	3430	3431	-31.917	-7.341	-0.1425	-0.1485	1.767	-188.54	1
3431_3431	3431	3431	62.811	-8.2035	-0.9645	-0.1545	7.479	-80.343	1
3431_3432	3431	3432	-31.7565	-8.0055	-0.1785	0.051	0.0765	-117.614	1
3432_3432	3432	3432	56.3685	-5.9445	0.1335	-0.126	-1.401	-11.7855	1
3432_3433	3432	3433	-32.0415	-9.681	0.0285	-0.0375	0.543	24.111	1
3433_3433	3433	3433	49.0215	-4.0905	-0.1785	-0.078	0.129	69.3885	1
3433_3434	3433	3434	-32.904	-12.6015	0.054	0.0195	0.9525	118.665	1
3434_3434	3434	3434	42.0315	-3.0285	-0.126	-0.138	-1.077	92.1555	1
3434_3435	3434	3435	-35.4795	-13.428	0.0165	-0.129	1.11	217.5405	1
3435_3435	3435	3435	32.4165	-1.8465	1.8075	-0.033	-2.244	103.8945	1
3435_3436	3435	3436	-41.1465	-17.838	1.0725	-0.159	12.591	408.6615	1
3436_3436	3436	3436	23.433	-1.1625	1.3635	-0.1665	13.398	106.122	1
3436_3437	3436	3437	-41.706	-18.8535	1.173	0.2865	16.7955	473.2335	1
3437_3437	3437	3437	23.4735	-0.9615	1.6485	0.0615	18.7995	110.187	1
3437_3072	3437	3072	-45.8835	-23.004	-3.591	0.09	4.629	557.976	1
3440_3094	3440	3094	46.9065	-22.797	-3.789	0.0735	-0.486	-539.61	1
3440_3441	3440	3441	-21.3795	-0.9255	1.779	0.0435	-10.407	-99.75	1
3441_3441	3441	3441	41.5275	-18.4605	0.9015	-0.2355	-13.464	-458.766	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3441_3442	3441	3442	-21.3375	-1.083	0.7905	-0.1995	-7.311	-95.97	1
3442_3442	3442	3442	40.977	-17.4525	0.876	-0.009	-10.0905	-395.544	1
3442_3443	3442	3443	-29.463	-1.701	1.107	-0.027	1.6905	-93.654	1
3443_3443	3443	3443	35.4315	-13.002	0.0135	-0.0915	-0.786	-208.733	1
3443_3444	3443	3444	-39.9315	-2.7795	-0.1065	-0.1185	0.72	-86.121	1
3444_3444	3444	3444	32.8965	-12.1755	0.027	-0.0435	-0.693	-113.166	1
3444_3445	3444	3445	-44.4975	-3.7635	-0.123	-0.126	-0.111	-63.801	1
3445_3445	3445	3445	32.145	-9.264	0.0195	-0.045	-0.4485	-22.0215	1
3445_3446	3445	3446	-51.6615	-5.466	0.123	-0.1425	1.1775	9.825	1
3446_3446	3446	3446	31.911	-7.5885	0.018	0.045	-0.096	113.5485	1
3446_3447	3446	3447	-58.4505	-7.5435	-0.5685	-0.1575	-4.2975	71.586	1
3447_3447	3447	3447	31.7745	-6.933	0.057	-0.138	0.0615	181.8015	1
3447_3448	3447	3448	-60.927	-8.7735	-0.6195	-0.1425	-7.653	116.8185	1
3448_3448	3448	3448	33.594	-13.668	0.756	0.2565	-0.852	200.6955	1
3448_3449	3448	3449	19.05	-0.519	0.12	1.284	7.7865	-59.943	1
3449_3449	3449	3449	-12.9345	-0.303	0.231	0.66	-3.864	42.156	1
3449_3450	3449	3450	-32.847	-13.5705	0.813	0.069	2.208	-201.593	1
3450_3450	3450	3450	63.636	-9.225	-1.005	-0.0825	12.9075	-123.381	1
3450_3451	3450	3451	-31.77	-6.9705	-0.0015	-0.06	0.216	-180.954	1
3451_3451	3451	3451	61.68	-7.941	-0.9975	-0.2115	7.422	-75.0375	1
3451_3452	3451	3452	-31.62	-7.623	-0.0105	-0.009	0.1005	-113.432	1
3452_3452	3452	3452	54.8865	-5.7705	0.171	-0.1545	-1.8345	-9.927	1
3452_3453	3452	3453	-31.7145	-9.2805	0.0255	-0.0465	0.4725	22.437	1
3453_3453	3453	3453	47.499	-3.9675	-0.132	-0.156	0.129	67.9425	1
3453_3454	3453	3454	-34.8585	-12.1695	0.0165	-0.0765	0.654	115.7685	1
3454_3454	3454	3454	43.1265	-2.913	-0.1365	-0.1125	-0.8025	91.9935	1
3454_3455	3454	3455	-34.5675	-12.975	0.0225	-0.0675	0.804	209.319	1
3455_3455	3455	3455	32.985	-1.7385	1.332	-0.051	-2.064	101.121	1
3455_3456	3455	3456	-39.831	-17.3865	0.831	-0.0945	9.648	395.664	1
3456_3456	3456	3456	24.4545	-1.0455	1.0125	-0.1815	9.5655	102.9855	1
3456_3457	3456	3457	-40.3425	-18.363	0.8865	0.045	12.843	458.559	1
3457_3457	3457	3457	25.1025	-0.8625	1.7655	0.0585	13.968	108.063	1
3457_3110	3457	3110	-44.2485	-22.683	-3.8205	0.0675	-0.609	542.3475	1
3460_3132	3460	3132	57.6705	-25.725	-3.615	0.0645	4.1595	-555.725	1
3460_3461	3460	3461	28.629	-1.8015	-0.1245	0.033	-12.984	54.2175	1
3461_3461	3461	3461	49.4295	-19.029	0.6135	-0.4905	-11.214	-457.305	1
3461_3462	3461	3462	-13.6695	-2.2545	0.564	-0.2025	-5.0295	-93.276	1
3462_3462	3462	3462	44.8845	-17.9235	0.5955	0.0885	-8.3415	-399.732	1
3462_3463	3462	3463	-19.17	-2.6355	0.726	0.0075	1.218	-73.44	1
3463_3463	3463	3463	38.847	-13.629	0.021	-0.0675	-0.876	-210.176	1
3463_3464	3463	3464	-25.113	-3.477	-0.105	-0.063	0.72	-53.811	1
3464_3464	3464	3464	38.208	-12.738	0.024	-0.039	-0.711	-112.386	1
3464_3465	3464	3465	-31.8165	-4.137	-0.1215	-0.0825	-0.0705	-29.6955	1
3465_3465	3465	3465	35.307	-9.918	0.0195	-0.045	-0.501	-20.3445	1
3465_3466	3465	3466	-79.5555	-5.5485	-0.003	0.0915	0.8265	-10.6215	1
3466_3466	3466	3466	32.928	-8.379	0.006	-0.0375	-0.21	124.605	1
3466_3467	3466	3467	-83.3145	-8.0415	-0.4695	0.069	-3.228	56.5485	1
3467_3467	3467	3467	32.187	-7.7115	-0.009	0.0015	-0.2295	199.1835	1
3467_3468	3467	3468	-85.398	-9.7815	-0.4545	0.1455	-5.748	108.768	1
3468_3468	3468	3468	64.8585	-16.605	0.651	-0.006	2.634	147.9345	1
3468_3469	3468	3469	26.739	-1.8135	-0.591	0.54	1.9275	-47.1615	1
3469_3469	3469	3469	-25.2465	-2.4465	-0.426	0.3585	-0.963	21.2265	1
3469_3470	3469	3470	-60.915	-16.7235	0.75	-0.18	-1.425	-163.176	1
3470_3470	3470	3470	56.064	-9.849	0.012	-0.1245	-0.564	-170.657	1
3470_3471	3470	3471	-33.3915	-7.992	0.015	-0.039	0.027	-200.207	1
3471_3471	3471	3471	55.119	-8.703	0.0105	-0.096	-0.4245	-117.267	1
3471_3472	3471	3472	-33.2205	-8.6775	0.0105	-0.009	0.1005	-123.365	1
3472_3472	3472	3472	49.8795	-6.8205	0.072	-0.1065	-0.66	-43.7895	1
3472_3473	3472	3473	-35.127	-10.437	0.036	-0.048	0.564	28.857	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3473_3473	3473	3473	45.5535	-5.208	-0.09	-0.111	0.087	52.1475	1
3473_3474	3473	3474	-36.7935	-13.5195	0.0345	-0.0615	0.8205	126.954	1
3474_3474	3474	3474	39.8325	-4.2105	-0.09	-0.084	-0.5415	84.828	1
3474_3475	3474	3475	-37.323	-14.3835	0.0375	-0.0675	1.0875	230.355	1
3475_3475	3475	3475	34.683	-3.0585	0.9915	0.066	-1.431	110.073	1
3475_3476	3475	3476	-43.0065	-19.0485	0.627	0.2475	7.8525	433.608	1
3476_3476	3476	3476	28.665	-2.304	0.897	-0.453	7.83	133.017	1
3476_3477	3476	3477	-47.2695	-20.094	0.5775	-1.002	10.671	495.3405	1
3477_3477	3477	3477	28.74	-2.1615	0.8445	0.0465	11.3535	141.066	1
3477_3148	3477	3148	-48.561	-24.5505	-4.206	0.0555	-5.7975	592.62	1
3480_3168	3480	3168	52.2465	-25.0635	-3.5925	0.093	4.353	-607.184	1
3480_3481	3480	3481	-22.7775	-1.683	0.7515	0.045	-9.7935	-111.737	1
3481_3481	3481	3481	50.706	-20.658	0.5715	-0.6225	-9.7545	-508.077	1
3481_3482	3481	3482	-21.6525	-1.812	0.7425	-0.27	-6.5415	-103.332	1
3482_3482	3482	3482	46.149	-19.545	0.579	0.147	-7.0755	-445.205	1
3482_3483	3482	3483	-27.4965	-2.394	0.849	0.0285	1.4205	-86.745	1
3483_3483	3483	3483	40.0665	-14.8965	0.015	-0.069	-0.789	-237.285	1
3483_3484	3483	3484	-36.108	-3.3945	-0.0945	-0.069	0.6165	-69.8985	1
3484_3484	3484	3484	39.474	-13.956	0.0195	-0.0345	-0.6795	-130.25	1
3484_3485	3484	3485	-40.8435	-4.3035	-0.1035	-0.078	-0.1035	-42.465	1
3485_3485	3485	3485	36.7605	-10.881	0.024	-0.0405	-0.5295	-28.6935	1
3485_3486	3485	3486	-47.892	-5.8635	0.0645	-0.0855	0.5985	38.487	1
3486_3486	3486	3486	35.319	-9.1305	0	-0.0375	-0.252	129.939	1
3486_3487	3486	3487	-53.304	-7.791	-0.033	-0.0975	0.0345	104.208	1
3487_3487	3487	3487	34.908	-8.4105	-0.0105	0.0015	-0.2835	211.077	1
3487_3488	3487	3488	-55.4685	-8.9115	0	-0.0855	0.219	150.867	1
3488_3488	3488	3488	65.88	-17.685	0.882	-0.1515	1.569	166.3365	1
3488_3489	3488	3489	29.0175	-2.673	-0.267	0.453	2.445	-28.0305	1
3489_3489	3489	3489	-25.485	-2.2095	-0.7035	0.585	-2.0175	33.9915	1
3489_3490	3489	3490	-68.598	-18.1125	0.717	-0.0615	-2.2335	-168.233	1
3490_3490	3490	3490	89.7765	-8.7975	-0.4005	0.12	4.977	-80.208	1
3490_3491	3490	3491	-35.9505	-8.382	-0.009	-0.0345	0.12	-213.095	1
3491_3491	3491	3491	47.9205	-7.641	0.075	-0.0705	-0.8355	-111.014	1
3491_3492	3491	3492	-36.426	-9.1215	-0.0075	-0.006	-0.006	-132.09	1
3492_3492	3492	3492	42.495	-5.9355	0.0525	-0.0765	-0.435	-47.4075	1
3492_3493	3492	3493	-38.1375	-10.9485	0.0435	-0.036	0.6	27.231	1
3493_3493	3493	3493	35.4735	-4.56	-0.072	-0.0765	0.093	33.759	1
3493_3494	3493	3494	-41.2005	-14.133	0.0435	-0.0495	0.933	129.885	1
3494_3494	3494	3494	28.485	-3.8145	-0.0645	-0.0555	-0.378	60.4365	1
3494_3495	3494	3495	-41.8485	-15.081	0.045	-0.06	1.2555	238.071	1
3495_3495	3495	3495	22.3695	-2.9565	0.6165	-0.0525	-0.951	81.9165	1
3495_3496	3495	3496	-48.321	-19.809	0.5595	-0.1515	7.3425	448.7565	1
3496_3496	3496	3496	16.6605	-2.4885	0.435	-0.0135	4.1835	104.256	1
3496_3497	3496	3497	-53.0715	-20.997	0.675	0.2505	10.038	512.9205	1
3497_3497	3497	3497	17.7345	-2.3715	1.0605	0.0285	6.276	115.0875	1
3497_3184	3497	3184	-54.5445	-25.35	-3.6465	0.066	-3.9345	613.2105	1
3500_3204	3500	3204	45.537	-24.972	-2.844	0.108	0.102	-646.538	1
3500_3501	3500	3501	-19.2525	-0.5325	1.5195	0.0735	-12.438	-81.2835	1
3501_3501	3501	3501	45.6285	-20.9445	0.681	0.351	-10.6365	-544.301	1
3501_3502	3501	3502	-19.23	-0.6705	0.9	-0.135	-8.976	-78.96	1
3502_3502	3502	3502	43.482	-19.878	0.5685	-0.1665	-7.908	-474.663	1
3502_3503	3502	3503	-28.2495	-1.254	1.2195	-0.0465	1.3605	-84.8055	1
3503_3503	3503	3503	38.2065	-15.573	0.0675	0.012	-1.7205	-260.589	1
3503_3504	3503	3504	-66.3735	-2.418	0.093	0.165	-0.5115	-89.9265	1
3504_3504	3504	3504	35.169	-14.715	0.0315	-0.135	-1.278	-145.679	1
3504_3505	3504	3505	-74.8275	-4.074	0.1845	0.066	0.8415	-68.1225	1
3505_3505	3505	3505	33.606	-11.7165	0.054	-0.045	-0.9675	-34.6815	1
3505_3506	3505	3506	-75.9195	-6.1155	-0.072	0.138	0.0885	15.312	1
3506_3506	3506	3506	33.0075	-9.9495	-0.186	-0.0555	-0.2325	137.1375	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3506_3507	3506	3507	-76.6935	-8.49	0.1935	0.1545	1.9515	85.947	1
3507_3507	3507	3507	33.2055	-9.2685	-0.1905	0.0165	-1.8675	225.234	1
3507_3508	3507	3508	-79.506	-10.0905	0.252	0.1245	3.7155	138.4995	1
3508_3508	3508	3508	34.587	-16.107	1.056	-0.2385	-4.866	252.2235	1
3508_3509	3508	3509	20.2905	-0.5205	-1.0065	1.8135	10.932	-54.6645	1
3509_3509	3509	3509	-20.661	-0.924	0.27	1.794	-11.247	55.62	1
3509_3510	3509	3510	-35.112	-16.251	1.0185	-0.225	4.728	-253.821	1
3510_3510	3510	3510	71.4675	-10.1145	-0.927	-0.0525	12.4095	-136.754	1
3510_3511	3510	3511	-33.267	-9.324	-0.174	-0.0135	1.5585	-226.544	1
3511_3511	3511	3511	68.8905	-8.6715	-0.939	-0.189	7.446	-84.351	1
3511_3512	3511	3512	-33.3885	-10.0065	-0.1905	-0.0135	-0.0495	-136.781	1
3512_3512	3512	3512	61.425	-6.1725	0.1245	-0.135	-1.197	-12.2205	1
3512_3513	3512	3513	-35.2275	-11.865	0.0795	-0.045	1.0245	39.528	1
3513_3513	3513	3513	52.11	-4.167	-0.069	-0.132	0.2325	71.0715	1
3513_3514	3513	3514	-38.7825	-14.94	0.0735	-0.0615	1.641	151.4685	1
3514_3514	3514	3514	46.425	-3.021	-0.072	-0.1095	-0.282	95.6415	1
3514_3515	3514	3515	-38.427	-15.837	0.0765	-0.0825	2.1855	265.62	1
3515_3515	3515	3515	32.718	-1.7595	1.0935	-0.0405	-1.0605	102.27	1
3515_3516	3515	3516	-45.2535	-20.181	0.564	-0.078	8.289	482.376	1
3516_3516	3516	3516	23.5335	-1.0815	0.807	-0.1875	7.9695	102.903	1
3516_3517	3516	3517	-45.9255	-21.27	0.6045	-0.0825	10.5735	554.9715	1
3517_3517	3517	3517	24.7365	-0.888	1.8285	0.057	11.373	109.596	1
3517_3220	3517	3220	-50.4795	-25.1145	-2.6265	0.147	0.8325	646.9035	1
3520_3241	3520	3241	59.355	-26.196	-0.759	-0.159	-14.322	-705.795	1
3520_3521	3520	3521	-25.542	-0.9435	0.3735	0.597	-14.2665	-106.334	1
3521_3521	3521	3521	57.879	-22.9755	1.5435	0.8925	-16.8705	-600.141	1
3521_3522	3521	3522	-23.754	-1.104	0.996	-0.057	-10.05	-98.2365	1
3522_3522	3522	3522	58.41	-21.597	1.4145	-0.1365	-11.847	-520.083	1
3522_3523	3522	3523	-35.1855	-1.8105	1.3425	-0.075	1.7025	-100.253	1
3523_3523	3523	3523	51.957	-17.286	-0.12	0.3015	3.195	-286.797	1
3523_3524	3523	3524	-47.313	-2.9115	-0.105	0.051	0.7305	-91.833	1
3524_3524	3524	3524	52.35	-16.053	-0.2745	-0.2895	2.145	-162.155	1
3524_3525	3524	3525	-78.7965	-4.3575	0.099	-0.027	1.053	-75.324	1
3525_3525	3525	3525	49.023	-12.774	-0.2145	-0.066	-0.141	-42.015	1
3525_3526	3525	3526	-80.8875	-6.6135	-0.0915	0.1365	0.075	14.52	1
3526_3526	3526	3526	45.969	-10.464	-0.189	-0.357	-3.3585	150.312	1
3526_3527	3526	3527	-82.611	-9.351	1.0755	0.105	10.0185	91.947	1
3527_3527	3527	3527	46.179	-9.495	-0.291	0.3435	-4.7655	242.985	1
3527_3528	3527	3528	-85.098	-11.1105	1.359	0.1065	18.282	150.3735	1
3528_3528	3528	3528	46.9395	-19.1685	1.4745	-1.1085	-12.8805	267.789	1
3528_3529	3528	3529	23.271	-0.8355	0.1755	0.816	5.7045	-66.2085	1
3529_3529	3529	3529	-20.277	-0.834	-0.123	2.424	-20.9235	58.8345	1
3529_3530	3529	3530	-48.192	-18.921	-0.2025	0.732	-6.567	-267.987	1
3530_3530	3530	3530	91.9665	-11.346	-1.5015	0.5055	24.033	-138.722	1
3530_3531	3530	3531	-45.9885	-9.258	-0.201	0.4215	-3.108	-246.02	1
3531_3531	3531	3531	89.598	-9.438	-1.7715	-0.018	16.0095	-79.3575	1
3531_3532	3531	3532	-45.783	-10.2315	-0.099	-0.1215	-3.7125	-155.379	1
3532_3532	3532	3532	67.5675	-6.6585	0.168	-0.162	-0.4815	-12.54	1
3532_3533	3532	3533	-48.1755	-12.2715	0.246	0.0105	0.285	26.994	1
3533_3533	3533	3533	59.2095	-4.4145	0.0855	-0.1815	1.698	78.357	1
3533_3534	3533	3534	-53.0475	-15.15	0.2955	-0.093	2.6715	142.6215	1
3534_3534	3534	3534	50.496	-3.1095	0.0435	-0.153	2.0805	101.5215	1
3534_3535	3534	3535	-53.973	-16.413	0.327	-0.066	5.022	261.4605	1
3535_3535	3535	3535	38.6715	-1.581	1.0965	-0.1695	1.977	111.369	1
3535_3536	3535	3536	-59.1285	-20.2125	0.714	-0.5385	12.6735	480.3495	1
3536_3536	3536	3536	26.139	-0.7755	0.6675	0.021	9.8265	102.1695	1
3536_3537	3536	3537	-60.384	-21.6975	0.969	1.047	15.9375	554.0925	1
3537_3537	3537	3537	-26.07	-1.8045	0.3855	0.2685	17.6985	-47.361	1
3537_3255	3537	3255	-72.4215	-29.433	0.108	-0.192	20.28	675.9915	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3540_3279	3540	3279	73.5405	-28.3455	2.694	1.9035	-3.3225	-702.327	1
3540_3541	3540	3541	29.3595	-1.6635	0.8955	0.606	-9.675	58.152	1
3541_3541	3541	3541	64.332	-22.323	0.0285	1.071	10.929	-594.957	1
3541_3542	3541	3542	-28.3905	-0.69	0.243	0.0825	-0.105	-91.2375	1
3542_3542	3542	3542	64.8405	-20.802	-0.0615	0.015	10.8195	-517.202	1
3542_3543	3542	3543	-37.476	-1.473	0.327	-0.069	3.687	-94.2285	1
3543_3543	3543	3543	60.183	-17.094	-0.4635	0.21	9.321	-290.523	1
3543_3544	3543	3544	-77.748	-2.8245	-0.0885	0.2295	0.6615	-108.054	1
3544_3544	3544	3544	58.1535	-15.7335	-0.5265	-0.1185	5.757	-165.651	1
3544_3545	3544	3545	-85.2225	-4.7115	0.0105	0.09	0.711	-80.943	1
3545_3545	3545	3545	53.43	-12.7815	-0.4935	-0.1035	1.236	-44.1675	1
3545_3546	3545	3546	-86.7975	-7.2675	-0.015	0.108	0.951	19.0035	1
3546_3546	3546	3546	50.808	-10.5585	-0.1815	-0.474	-5.955	145.8315	1
3546_3547	3546	3547	-89.235	-10.551	2.511	0.123	23.871	107.6385	1
3547_3547	3547	3547	51.024	-9.462	-0.2925	0.258	-7.3065	239.3925	1
3547_3548	3547	3548	-92.343	-12.5025	2.811	-0.1485	40.305	173.319	1
3548_3548	3548	3548	55.4415	-20.6985	2.103	-2.592	-23.8455	247.803	1
3548_3549	3548	3549	25.158	-0.9105	0.78	-0.5205	-5.544	-75.372	1
3549_3549	3549	3549	-21.225	-0.189	-0.3615	-0.6885	5.85	63.435	1
3549_3550	3549	3550	-55.3365	-20.367	-0.513	2.5935	-18.552	-256.428	1
3550_3550	3550	3550	79.7745	-12.837	2.2755	-0.1965	-32.1255	-167.883	1
3550_3551	3550	3551	-51.741	-8.9295	-0.0465	0.54	-7.8945	-243.024	1
3551_3551	3551	3551	80.0535	-11.0235	1.995	-0.072	-19.101	-95.2365	1
3551_3552	3551	3552	-52.482	-10.1205	0.231	-0.078	-6.5145	-154.881	1
3552_3552	3552	3552	71.5485	-8.049	0.513	-0.213	-2.2755	-10.3305	1
3552_3553	3552	3553	-55.1685	-12.594	0.5325	0.042	1.47	26.9745	1
3553_3553	3553	3553	62.5905	-5.427	0.3315	-0.342	4.6485	96.291	1
3553_3554	3553	3554	-60.3135	-15.6825	0.498	-0.2355	5.712	144.42	1
3554_3554	3554	3554	56.1135	-3.9	0.165	-0.1665	6.4125	126.666	1
3554_3555	3554	3555	-63.7185	-17.25	0.6495	-0.0315	10.4445	267.216	1
3555_3555	3555	3555	39.528	-2.022	0.6105	-0.111	6.51	133.2705	1
3555_3556	3555	3556	-65.784	-21.174	0.516	-0.171	16.077	491.367	1
3556_3556	3556	3556	27.4485	-1.11	0.444	-0.423	9.699	126.27	1
3556_3557	3556	3557	-70.455	-23.1015	0.537	-0.855	18.6345	563.0205	1
3557_3557	3557	3557	-19.353	-0.375	0.453	0.216	-12.1335	-67.8915	1
3557_3293	3557	3293	-75.4455	-28.524	-1.194	-0.816	11.082	721.7805	1
43000_3000	43000	3000	-0.5265	-5.4675	0.9225	-1.512	0	-4.401	1
43000_3001	43000	3001	-1.473	-74.895	0.636	-1.185	9.477	1106.267	1
43001_3001	43001	3001	0.45	-11.349	-0.15	-0.3	-2.22	-650.837	1
43001_3002	43001	3002	-1.6965	-62.3805	0.789	-0.177	19.9575	1566.417	1
43002_3002	43002	3002	0.63	-13.8255	0.255	0.7545	-6.1785	-926.249	1
43002_3003	43002	3003	-1.8675	-59.2215	-0.9795	-2.3985	11.541	1972.884	1
43003_3003	43003	3003	1.0215	-24.7635	0.4275	-0.9885	-4.986	-1378.19	1
43003_3004	43003	3004	-1.9455	-47.9985	-1.089	0.5085	-0.6465	2165.855	1
43004_3004	43004	3004	1.425	-26.598	0.15	0.8745	0.156	-1759.86	1
43004_3005	43004	3005	-1.9605	-52.3515	-0.354	-1.896	-5.4225	2374.101	1
43005_3005	43005	3005	1.704	-38.0325	0.207	-0.6165	2.709	-2097.39	1
43005_3006	43005	3006	-1.95	-42.483	-0.3945	-0.069	-11.2605	2429.571	1
43006_3006	43006	3006	1.86	-33.645	0.1815	2.04	6.717	-2239.82	1
43006_3007	43006	3007	-1.92	-48.8025	-0.2955	-3.042	-16.362	2552.568	1
43007_3007	43007	3007	1.9365	-43.6875	0.2115	-1.5345	10.818	-2416.9	1
43007_3008	43007	3008	-1.8855	-39.216	-0.3135	0.888	-21.8835	2538.042	1
43008_3008	43008	3008	1.9575	-37.4115	0.222	1.1955	15.6465	-2444.44	1
43008_3009	43008	3009	-1.8525	-45.5175	-0.282	-1.623	-27.096	2597.925	1
43009_3009	43009	3009	1.947	-47.2065	0.2415	-0.609	20.799	-2541.15	1
43009_3010	43009	3010	-1.8225	-35.958	-0.2895	0.258	-32.202	2523.377	1
43010_3010	43010	3010	1.92	-41.0505	0.309	1.815	26.253	-2497.6	1
43010_3011	43010	3011	-1.797	-41.763	-0.3405	-2.343	-37.629	2520.782	1
43011_3011	43011	3011	1.887	-50.883	0.321	-1.8555	32.46	-2524.25	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43011_3012	43011	3012	-1.77	-32.244	-0.336	1.32	-42.5175	2387.987	1
43012_3012	43012	3012	1.8555	-45.357	0.408	0.492	38.592	-2412.2	1
43012_3013	43012	3013	-1.737	-37.0185	-0.4275	-0.8685	-47.9445	2311.214	1
43013_3013	43013	3013	1.827	-55.317	0.42	-1.2	45.555	-2364	1
43013_3014	43013	3014	-1.6695	-27.717	-0.3975	0.753	-51.792	2128.359	1
43014_3014	43014	3014	1.8015	-51.0315	0.498	0.423	52.2345	-2177.29	1
43014_3015	43014	3015	-1.521	-27.63	-0.453	-0.99	-56.403	1920.122	1
43015_3015	43015	3015	2.337	-65.0625	0.459	-2.736	60.927	-1952.8	1
43015_3016	43015	3016	-1.2285	-21.6075	-0.4635	2.0925	-58.0515	1738.019	1
43016_3016	43016	3016	3.261	-59.4285	0.0345	0.5685	64.6455	-1753.43	1
43016_3017	43016	3017	-0.651	-22.8585	0.1905	-1.0185	-51.6825	1523.952	1
43017_3017	43017	3017	5.1615	-69.576	-0.0555	-2.463	62.613	-1531.39	1
43017_3018	43017	3018	-0.33	-13.242	0.1455	1.59	-44.5005	1153.158	1
43018_3018	43018	3018	7.1085	-73.683	0.348	-0.2895	57.564	-1125.47	1
43018_3019	43018	3019	-0.078	-9.048	0.114	-0.3585	-38.469	766.632	1
43019_3019	43019	3019	10.0455	-84.942	0.2985	-2.484	56.6265	-708.113	1
43019_3020	43019	3020	-0.291	-2.4705	0.261	1.1895	-27.9315	327.078	1
43020_3020	43020	3020	-75.9045	-12.3015	-1.095	-0.426	81.183	-668.232	1
43020_3021	43020	3021	31.836	-77.091	-0.1125	-0.27	-28.308	457.701	1
43021_3021	43021	3021	-66.945	-17.286	-0.7515	-1.323	63.3735	-827.228	1
43021_3022	43021	3022	26.649	-69.201	-0.369	0.3285	-22.8525	665.646	1
43022_3022	43022	3022	-59.508	-22.5285	-0.543	-1.125	52.35	-932.7	1
43022_3023	43022	3023	22.8045	-61.23	-0.543	0.06	-20.0385	818.301	1
43023_3023	43023	3023	-51.3345	-22.743	-0.9855	-0.7755	44.109	-1011.99	1
43023_3024	43023	3024	20.241	-60.1635	0.1815	-0.3285	-12.261	983.052	1
43024_3024	43024	3024	-43.3395	-28.6065	-0.8475	-0.5415	32.6025	-1101.65	1
43024_3025	43024	3025	18.9105	-51.894	0.021	-0.537	-6.771	1081.058	1
43025_3025	43025	3025	-35.784	-35.34	-0.6615	-1.5615	23.061	-1151.88	1
43025_3026	43025	3026	18.81	-44.1705	-0.1575	0.2625	-3.8535	1117.43	1
43026_3026	43026	3026	-29.6535	-32.5875	-0.786	0.687	15.777	-1159	1
43026_3027	43026	3027	19.5105	-49.6065	-0.24	-2.2425	-3.0225	1175.79	1
43027_3027	43027	3027	-25.8825	-37.683	-0.606	-0.807	10.1985	-1193.34	1
43027_3028	43027	3028	20.8425	-43.6035	-0.4185	-0.5505	-4.035	1196.403	1
43028_3028	43028	3028	-23.04	-43.3485	-0.4665	-0.549	6.447	-1205.43	1
43028_3029	43028	3029	22.842	-37.923	-0.5625	-0.801	-6.7365	1182.753	1
43029_3029	43029	3029	-20.943	-49.3395	-0.2865	-2.25	4.338	-1183.43	1
43029_3030	43029	3030	25.6305	-32.8095	-0.738	0.675	-11.214	1146.56	1
43030_3030	43030	3030	-19.5225	-43.9785	-0.192	0.3855	4.059	-1123.67	1
43030_3031	43030	3031	30.291	-35.4825	-0.648	-1.8915	-17.367	1135.985	1
43031_3031	43031	3031	-18.7125	-51.7155	-0.012	-0.324	5.6415	-1084.83	1
43031_3032	43031	3032	36.0885	-28.7295	-0.825	-0.9315	-25.743	1081.92	1
43032_3032	43032	3032	-19.1175	-59.9805	0.1695	-1.212	9.795	-984.303	1
43032_3033	43032	3033	42.246	-22.836	-1.011	-0.048	-36.417	987.693	1
43033_3033	43033	3033	-20.688	-61.0455	-0.606	0.756	16.3965	-816.972	1
43033_3034	43033	3034	48.573	-22.7145	-0.495	-2.199	-43.5255	904.2345	1
43034_3034	43034	3034	-23.4195	-68.9925	-0.3735	-0.408	17.8305	-661.701	1
43034_3035	43034	3035	54.3255	-17.4315	-0.8385	-0.0585	-54.5715	793.3035	1
43035_3035	43035	3035	-27.2925	-76.869	-0.207	-0.135	22.3155	-451.626	1
43035_3036	43035	3036	61.2705	-12.363	-1.0575	-1.0005	-71.6175	628.092	1
43036_3036	43036	3036	-6.591	-6.1935	-0.12	-0.9	1.101	-371.528	1
43036_3037	43036	3037	-34.329	-82.176	0.207	-2.103	-44.0535	553.83	1
43037_3037	43037	3037	12.138	-10.293	0.1785	-0.0105	30.4095	-707.588	1
43037_3038	43037	3038	-33.8175	-71.1225	0.267	-0.7785	-44.742	896.253	1
43038_3038	43038	3038	16.9305	-14.3805	0.2475	1.5225	35.526	-1048.1	1
43038_3039	43038	3039	-32.8005	-66.972	-0.303	-2.5455	-52.5705	1220.697	1
43039_3039	43039	3039	21.9855	-23.7375	0.3195	-0.7935	43.1595	-1359.42	1
43039_3040	43039	3040	-30.657	-57.0825	-0.1785	-0.0705	-56.9205	1374.902	1
43040_3040	43040	3040	25.8735	-22.794	-0.492	1.368	50.9895	-1515.16	1
43040_3041	43040	3041	-29.0625	-62.1285	0.351	-2.103	-54.375	1525.209	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43041_3041	43041	3041	27.846	-28.818	-0.507	-0.297	49.239	-1636.27	1
43041_3042	43041	3042	-26.5155	-48.0615	0.3255	-0.5595	-49.188	1658.27	1
43042_3042	43042	3042	29.364	-27.9555	-0.195	0.5775	45.4725	-1733.81	1
43042_3043	43042	3043	-24.9195	-52.4655	0.084	-1.368	-47.6985	1812.084	1
43043_3043	43043	3043	29.1855	-37.56	-0.1965	-0.654	45.336	-1849.66	1
43043_3044	43043	3044	-23.6025	-41.964	0.066	-0.1935	-46.35	1835.078	1
43044_3044	43044	3044	28.026	-32.34	-0.075	1.095	44.8665	-1859.63	1
43044_3045	43044	3045	-22.7565	-47.352	-0.0495	-2.0835	-46.128	1933.76	1
43045_3045	43045	3045	26.5245	-42.369	-0.09	-1.7475	45.4095	-1941.14	1
43045_3046	43045	3046	-22.4085	-37.0065	-0.048	0.7335	-45.7995	1899.998	1
43046_3046	43046	3046	24.9525	-36.5745	-0.075	-0.381	45.6765	-1898.55	1
43046_3047	43046	3047	-22.458	-42.6675	-0.0795	-0.237	-45.495	1946.628	1
43047_3047	43047	3047	23.6445	-46.9275	-0.036	-0.3705	45.7965	-1938.2	1
43047_3048	43047	3048	-22.6575	-32.5695	-0.1155	-0.258	-45.621	1867.07	1
43048_3048	43048	3048	22.7865	-41.451	0.018	-0.747	46.491	-1845.1	1
43048_3049	43048	3049	-22.7565	-37.614	-0.1635	0.162	-45.7845	1856.289	1
43049_3049	43049	3049	22.4415	-52.035	0.0645	-0.5175	47.46	-1827.23	1
43049_3050	43049	3050	-22.1925	-27.948	-0.192	-0.0795	-46.026	1739.352	1
43050_3050	43050	3050	22.503	-47.5425	0.2475	-0.6435	48.9855	-1675.43	1
43050_3051	43050	3051	-20.238	-28.71	-0.4335	-0.072	-48.8775	1640.133	1
43051_3051	43051	3051	23.3205	-61.9035	0.288	-1.5915	53.3055	-1534.26	1
43051_3052	43051	3052	-18.372	-22.5705	-0.444	0.948	-50.367	1511.531	1
43052_3052	43052	3052	24.1725	-56.565	-0.213	-0.327	55.587	-1378.82	1
43052_3053	43052	3053	-14.877	-23.8365	0.33	-0.348	-42.5385	1363.368	1
43053_3053	43053	3053	25.602	-66.711	-0.3015	-2.3205	51.252	-1229.15	1
43053_3054	43053	3054	-10.62	-14.277	0.24	1.371	-35.1165	1061.418	1
43054_3054	43054	3054	26.1495	-71.058	0.4275	-0.831	43.713	-902.031	1
43054_3055	43054	3055	-6.8535	-10.011	0.0765	-0.2415	-31.233	723.087	1
43055_3055	43055	3055	26.7225	-82.4595	0.3465	-2.3805	45.0795	-556.449	1
43055_3056	43055	3056	17.9445	-5.0445	0.057	-0.9555	9.6015	323.4315	1
43056_3056	43056	3056	-67.3485	-12.252	-0.888	-0.732	64.4895	-652.227	1
43056_3057	43056	3057	31.776	-76.1775	-0.261	-0.1365	-20.4435	541.62	1
43057_3057	43057	3057	-60.1905	-17.5425	-0.5895	-1.3635	49.728	-824.601	1
43057_3058	43057	3058	27.6345	-68.262	-0.4755	0.291	-17.3355	745.995	1
43058_3058	43058	3058	-54.267	-22.986	-0.3975	-1.1625	40.9425	-948.083	1
43058_3059	43058	3059	24.5925	-60.333	-0.6315	0.042	-16.6305	896.8935	1
43059_3059	43059	3059	-47.6325	-23.2395	-0.858	-0.429	34.8165	-1040.17	1
43059_3060	43059	3060	22.6395	-59.631	0.216	-0.8175	-10.029	1059.659	1
43060_3060	43060	3060	-41.1255	-29.2035	-0.7005	-1.3665	25.365	-1140.14	1
43060_3061	43060	3061	21.738	-51.4905	0.0615	0.0855	-5.451	1154.679	1
43061_3061	43061	3061	-34.9815	-35.9955	-0.5955	-1.14	17.748	-1198.13	1
43061_3062	43061	3062	21.9165	-43.887	-0.0705	-0.2115	-2.841	1188.033	1
43062_3062	43062	3062	-30.045	-33.1695	-0.588	-0.609	11.58	-1210.72	1
43062_3063	43062	3063	22.7475	-49.467	-0.2715	-0.798	-2.7885	1244.439	1
43063_3063	43063	3063	-27.024	-38.2575	-0.471	-0.396	7.5225	-1248.12	1
43063_3064	43063	3064	24.156	-43.5465	-0.393	-0.9795	-4.158	1263.087	1
43064_3064	43064	3064	-24.78	-43.8855	-0.351	-0.153	4.803	-1262.25	1
43064_3065	43064	3065	26.187	-37.938	-0.51	-1.1625	-6.9105	1247.414	1
43065_3065	43065	3065	-23.163	-49.818	-0.192	-1.8255	3.4905	-1241.77	1
43065_3066	43065	3066	28.9785	-32.8815	-0.666	0.3615	-11.1855	1208.937	1
43066_3066	43066	3066	-22.125	-44.13	-0.06	-0.018	3.7935	-1183.44	1
43066_3067	43066	3067	33.6135	-35.7105	-0.6015	-1.557	-17.1195	1195.197	1
43067_3067	43067	3067	-21.675	-51.762	0.072	0.378	6.2055	-1148.24	1
43067_3068	43067	3068	39.438	-28.9395	-0.7065	-1.824	-24.504	1136.796	1
43068_3068	43068	3068	-22.3065	-59.9295	0.252	-1.707	10.5675	-1051.06	1
43068_3069	43068	3069	45.603	-23.0295	-0.915	0.303	-34.101	1037.763	1
43069_3069	43069	3069	-24.0015	-60.507	-0.585	0.396	17.1195	-886.568	1
43069_3070	43069	3070	51.9375	-22.866	-0.4395	-1.95	-40.3395	947.928	1
43070_3070	43070	3070	-26.769	-68.4555	-0.3945	0.009	17.9355	-734.853	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43070_3071	43070	3071	57.5595	-17.478	-0.6945	-1.1055	-49.6965	828.255	1
43071_3071	43071	3071	-30.6195	-76.374	-0.177	-0.399	21.435	-529.53	1
43071_3072	43071	3072	64.3875	-12.282	-0.9885	-0.573	-65.1165	661.785	1
43072_3072	43072	3072	-4.1715	-5.622	-0.072	-0.7605	8.385	-306.444	1
43072_3073	43072	3073	-28.5735	-81.8415	0.324	-2.1915	-43.6965	602.4855	1
43073_3073	43073	3073	8.847	-10.0755	0.0765	0.063	31.1715	-723.572	1
43073_3074	43073	3074	-27.2925	-70.4535	0.39	-0.876	-42.1365	963.231	1
43074_3074	43074	3074	12.804	-14.3535	0.141	1.7445	34.6545	-1070.11	1
43074_3075	43074	3075	-25.635	-66.165	-0.1725	-2.874	-47.2365	1304.877	1
43075_3075	43075	3075	17.0505	-24.072	0.1695	-1.0455	39.9945	-1381.76	1
43075_3076	43075	3076	-22.9875	-56.085	-0.096	0.0765	-50.181	1470.23	1
43076_3076	43076	3076	20.2095	-22.668	-0.2175	2.3295	45.141	-1541.07	1
43076_3077	43076	3077	-21.132	-61.7055	0.117	-3.228	-49.3455	1641.42	1
43077_3077	43077	3077	21.588	-28.9095	-0.222	-1.005	45.1245	-1692.5	1
43077_3078	43077	3078	-18.474	-48.654	0.1725	-0.0405	-46.9395	1798.808	1
43078_3078	43078	3078	22.281	-28.059	-0.231	0.0585	44.6895	-1814.56	1
43078_3079	43078	3079	-16.9695	-53.0175	0.156	-0.6645	-44.5305	1952.151	1
43079_3079	43079	3079	21.792	-37.161	-0.234	0.18	43.635	-1944.31	1
43079_3080	43079	3080	-15.7905	-43.269	0.123	-0.7935	-42.5175	1987.593	1
43080_3080	43080	3080	20.448	-31.9815	-0.09	0.5775	42.009	-1980.64	1
43080_3081	43080	3081	-15.0435	-48.9915	0.021	-1.329	-41.658	2091.659	1
43081_3081	43081	3081	18.843	-41.364	-0.0945	-0.876	41.7135	-2080.2	1
43081_3082	43081	3082	-14.769	-39.357	0.0105	0.1365	-40.8885	2076.962	1
43082_3082	43082	3082	17.298	-35.2635	-0.03	0.351	41.1885	-2068.44	1
43082_3083	43082	3083	-15.015	-44.775	-0.069	-1.092	-41.004	2137.448	1
43083_3083	43083	3083	15.951	-45.483	-0.018	-1.173	41.3535	-2135.7	1
43083_3084	43083	3084	-15.7425	-34.6035	-0.0765	0.423	-41.181	2063.615	1
43084_3084	43084	3084	15.0855	-40.0065	-0.0345	0.159	41.661	-2067.35	1
43084_3085	43084	3085	-16.713	-40.641	-0.0615	-0.915	-41.0655	2069.648	1
43085_3085	43085	3085	14.7825	-49.695	-0.0255	-1.4445	41.7045	-2075.13	1
43085_3086	43085	3086	-17.7525	-31.3245	-0.0645	0.6705	-40.893	1966.236	1
43086_3086	43086	3086	14.9565	-43.938	0.1245	-0.258	41.8335	-1963.67	1
43086_3087	43086	3087	-18.5985	-36.4845	-0.1845	-0.519	-41.874	1928.042	1
43087_3087	43087	3087	15.5595	-53.748	0.135	-1.5975	43.587	-1921.61	1
43087_3088	43087	3088	-18.774	-27.4335	-0.165	0.8085	-42.1095	1795.11	1
43088_3088	43088	3088	16.488	-49.0125	0.339	-0.5235	45.282	-1762.5	1
43088_3089	43088	3089	-17.9415	-29.0445	-0.444	-0.2775	-45.5415	1682.385	1
43089_3089	43089	3089	18.3555	-61.542	0.3495	-2.043	49.881	-1620.78	1
43089_3090	43089	3090	-16.578	-22.728	-0.438	1.323	-47.223	1538.34	1
43090_3090	43090	3090	19.8615	-56.0145	-0.216	-0.2115	52.5495	-1455.63	1
43090_3091	43090	3091	-13.647	-23.808	0.2805	-0.522	-40.4565	1375.115	1
43091_3091	43091	3091	22.1715	-66.249	-0.2895	-2.3445	48.282	-1289.64	1
43091_3092	43091	3092	-9.873	-13.983	0.2055	1.362	-33.948	1053.398	1
43092_3092	43092	3092	23.631	-70.3455	0.486	-0.7545	41.43	-949.242	1
43092_3093	43092	3093	-6.396	-9.8145	0.018	0	-31.2555	705.744	1
43093_3093	43093	3093	24.978	-81.963	0.417	-2.0745	44.0745	-588.599	1
43093_3094	43093	3094	5.448	-5.724	0.0135	-0.843	-0.9165	334.344	1
43094_3094	43094	3094	-66.681	-12.174	-0.807	-0.4185	58.6185	-647.832	1
43094_3095	43094	3095	32.0175	-75.7275	-0.3135	-0.405	-18.684	530.373	1
43095_3095	43095	3095	-59.7555	-17.4525	-0.474	-1.575	45.324	-813.524	1
43095_3096	43095	3096	27.912	-67.644	-0.549	0.3495	-16.7145	733.428	1
43096_3096	43096	3096	-54.039	-22.956	-0.2895	-1.368	37.911	-934.281	1
43096_3097	43096	3097	24.849	-59.568	-0.702	0.0495	-17.082	881.4765	1
43097_3097	43097	3097	-47.5695	-23.0235	-0.8295	-0.3705	33.033	-1023.84	1
43097_3098	43097	3098	22.806	-59.2605	0.2325	-0.7545	-10.8585	1043.633	1
43098_3098	43098	3098	-41.2125	-29.0385	-0.681	-1.353	24.1905	-1123.12	1
43098_3099	43098	3099	21.762	-51.042	0.0795	0.174	-6.594	1137.438	1
43099_3099	43099	3099	-35.1825	-35.9205	-0.5835	-1.185	17.0625	-1180.34	1
43099_3100	43099	3100	21.7275	-43.3815	-0.051	-0.0915	-4.26	1168.965	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43100_3100	43100	3100	-30.309	-32.7375	-0.4635	-3.876	11.259	-1191.24	1
43100_3101	43100	3101	22.356	-49.4805	-0.3225	4.155	-4.8615	1227.179	1
43101_3101	43101	3101	-27.303	-37.854	-0.3675	-4.5165	8.076	-1229.67	1
43101_3102	43101	3102	23.535	-43.4895	-0.444	4.212	-6.888	1247.06	1
43102_3102	43102	3102	-25.029	-43.53	-0.4725	5.1465	6.054	-1244.65	1
43102_3103	43102	3103	25.3245	-37.824	-0.3525	-5.409	-9.093	1232.691	1
43103_3103	43103	3103	-23.3655	-49.512	-0.3075	3.0825	4.152	-1225.41	1
43103_3104	43103	3104	27.8565	-32.7045	-0.498	-2.8725	-12.747	1194.788	1
43104_3104	43104	3104	-22.2405	-43.383	-0.054	0.3615	3.9225	-1167.69	1
43104_3105	43104	3105	32.1165	-35.8635	-0.5865	-1.6845	-18.975	1184.378	1
43105_3105	43105	3105	-21.6135	-51.0525	0.1035	-0.5715	6.645	-1137.12	1
43105_3106	43105	3106	37.557	-28.9725	-0.7275	-0.5325	-26.853	1127.475	1
43106_3106	43106	3106	-21.9975	-59.2815	0.231	-0.3735	11.5275	-1044.13	1
43106_3107	43106	3107	43.3515	-22.953	-0.8265	-0.7485	-36.102	1028.426	1
43107_3107	43107	3107	-23.3955	-59.5185	-0.672	0.0405	18.177	-882.65	1
43107_3108	43107	3108	49.2945	-22.899	-0.3075	-1.0185	-41.529	939.192	1
43108_3108	43108	3108	-25.836	-67.611	-0.5265	0.2745	18.4365	-735.609	1
43108_3109	43108	3109	54.516	-17.3775	-0.4875	-1.2345	-49.4505	818.3385	1
43109_3109	43109	3109	-29.334	-75.714	-0.33	-0.0615	20.9625	-532.961	1
43109_3110	43109	3110	60.8805	-12.0795	-0.7485	-0.7365	-62.73	651.528	1
43110_3110	43110	3110	-8.802	-3.546	0.042	-0.4815	-3.996	-232.229	1
43110_3111	43110	3111	-28.74	-80.481	0.4635	-2.3685	-49.7805	615.0165	1
43111_3111	43111	3111	8.901	-10.4295	-0.027	-0.381	34.5405	-728.501	1
43111_3112	43111	3112	-27.7545	-68.6745	0.5565	-0.552	-47.316	953.5395	1
43112_3112	43112	3112	12.888	-14.6115	0.108	1.461	37.464	-1067.67	1
43112_3113	43112	3113	-26.565	-64.5795	-0.1185	-2.448	-52.6635	1268.609	1
43113_3113	43113	3113	17.1525	-24.5865	0.1605	-0.849	43.2135	-1375.43	1
43113_3114	43113	3114	-24.387	-54.2175	-0.0165	0.075	-55.029	1407.282	1
43114_3114	43114	3114	20.469	-23.436	-0.564	0.4245	48.96	-1519.92	1
43114_3115	43114	3115	-22.9095	-59.817	0.552	-0.9555	-50.8605	1553.418	1
43115_3115	43115	3115	22.086	-29.847	-0.57	0.2145	46.35	-1645.79	1
43115_3116	43115	3116	-20.8665	-46.5675	0.537	-0.7485	-43.047	1662.569	1
43116_3116	43116	3116	23.22	-28.146	-0.2385	1.176	40.839	-1726.57	1
43116_3117	43116	3117	-19.722	-51.5625	0.2055	-2.0265	-40.176	1799.612	1
43117_3117	43117	3117	23.124	-37.488	-0.279	-1.584	39.516	-1834.84	1
43117_3118	43117	3118	-18.8565	-41.4375	0.2175	0.6525	-36.9705	1816.713	1
43118_3118	43118	3118	22.263	-31.8825	-0.24	1.089	37.203	-1843.85	1
43118_3119	43118	3119	-18.405	-47.427	0.1905	-1.9545	-33.9735	1908.183	1
43119_3119	43119	3119	21.126	-41.502	-0.273	-1.8465	34.9485	-1922.87	1
43119_3120	43119	3120	-18.4365	-37.3905	0.1995	0.9495	-30.837	1876.182	1
43120_3120	43120	3120	19.962	-35.0715	-0.2025	0.0975	32.0925	-1889.3	1
43120_3121	43120	3121	-19.0335	-43.0995	0.1155	-0.789	-28.4865	1923.356	1
43121_3121	43121	3121	18.96	-45.651	-0.198	-1.212	29.73	-1939.99	1
43121_3122	43121	3122	-20.1435	-32.535	0.1065	0.492	-26.3505	1831.194	1
43122_3122	43122	3122	18.4155	-39.9495	-0.18	-0.0975	27.453	-1850.76	1
43122_3123	43122	3123	-21.4965	-38.94	0.084	-0.6435	-24.636	1826.028	1
43123_3123	43123	3123	18.417	-49.9845	-0.174	-1.4505	25.5255	-1843.71	1
43123_3124	43123	3124	-22.914	-29.283	0.0795	0.6765	-23.073	1707.918	1
43124_3124	43124	3124	18.915	-44.004	0	0.2205	23.76	-1713.48	1
43124_3125	43124	3125	-24.054	-34.803	-0.1005	-1.215	-23.5305	1662.5	1
43125_3125	43125	3125	19.8675	-54.1335	-0.003	-2.2245	24.099	-1657.65	1
43125_3126	43125	3126	-24.3195	-25.5225	-0.063	1.239	-23.346	1523.451	1
43126_3126	43126	3126	21.1755	-49.341	0.0045	-0.4665	24.513	-1481.45	1
43126_3127	43126	3127	-23.3685	-27.5265	-0.132	-0.453	-23.619	1415.246	1
43127_3127	43127	3127	23.5005	-62.082	-0.009	-1.842	24.846	-1322.85	1
43127_3128	43127	3128	-21.8175	-21.1335	-0.147	1.134	-24.1155	1272.317	1
43128_3128	43128	3128	25.227	-56.1495	0.0855	-0.132	24.9885	-1148.22	1
43128_3129	43128	3129	-18.387	-22.8825	-0.108	-1.0365	-24.033	1129.566	1
43129_3129	43129	3129	27.7245	-66.39	0.0285	-2.1975	25.5435	-987.77	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43129_3130	43129	3130	-13.848	-13.035	-0.1515	1.254	-25.3215	837.567	1
43130_3130	43130	3130	29.1945	-70.959	-0.7515	-0.8415	25.3155	-655.487	1
43130_3131	43130	3131	-9.684	-8.2155	1.3845	0.141	-8.451	505.503	1
43131_3131	43131	3131	30.8565	-82.5135	-0.8565	-1.2735	14.304	-302.348	1
43131_3132	43131	3132	6.9225	-6.198	-0.4605	-0.363	-22.6035	449.679	1
43132_3132	43132	3132	-73.5855	-8.625	1.4145	-1.965	5.7495	-458.679	1
43132_3133	43132	3133	33.2805	-76.9485	-2.088	2.3025	0.0105	413.187	1
43133_3133	43133	3133	-65.034	-14.487	1.5195	-2.436	16.1475	-680.118	1
43133_3134	43133	3134	28.3905	-68.355	-2.118	2.475	-12.969	640.6695	1
43134_3134	43134	3134	-58.4355	-20.259	1.0065	6.135	25.6935	-819.632	1
43134_3135	43134	3135	24.6435	-59.7195	-1.809	-2.526	-24.03	805.071	1
43135_3135	43135	3135	-51.036	-21.4845	-0.9495	-0.339	32.442	-927.132	1
43135_3136	43135	3136	21.873	-58.59	0.5565	-0.462	-16.284	975.7575	1
43136_3136	43136	3136	-43.7925	-27.8325	-0.9	-0.144	24.0315	-1037.63	1
43136_3137	43136	3137	20.163	-49.9215	0.4425	-0.5925	-10.011	1072.802	1
43137_3137	43137	3137	-36.8925	-35.046	-0.8055	-1.254	16.2975	-1099.57	1
43137_3138	43137	3138	19.4985	-41.9055	0.3	0.3825	-5.655	1103.448	1
43138_3138	43138	3138	-31.2015	-31.2615	-0.411	-0.1275	9.4515	-1112.04	1
43138_3139	43138	3139	19.6875	-48.7815	-0.171	-0.7695	-5.9355	1165.569	1
43139_3139	43139	3139	-27.6345	-36.6135	-0.3345	0.0645	7.0335	-1156.14	1
43139_3140	43139	3140	20.4495	-42.4785	-0.2475	-0.9165	-7.1025	1187.064	1
43140_3140	43140	3140	-24.831	-42.5715	-0.21	-1.674	5.4735	-1175.11	1
43140_3141	43140	3141	21.8415	-36.5235	-0.357	0.7905	-9.327	1171.467	1
43141_3141	43141	3141	-22.6395	-48.879	-0.168	0.3135	5.088	-1157.01	1
43141_3142	43141	3142	24.03	-31.179	-0.39	-1.1295	-12.1665	1130.874	1
43142_3142	43142	3142	-21.0075	-42.3255	-0.0615	0.2055	5.4615	-1098.02	1
43142_3143	43142	3143	27.891	-34.6965	-0.3405	-0.984	-15.8835	1120.418	1
43143_3143	43143	3143	-19.731	-50.3715	0.045	-0.8535	7.3455	-1068.93	1
43143_3144	43143	3144	32.9865	-27.4785	-0.4425	0.231	-20.628	1059.468	1
43144_3144	43144	3144	-19.506	-59.0445	0.1035	0.393	10.59	-973.439	1
43144_3145	43144	3145	38.4375	-21.1755	-0.4575	-1.053	-25.7985	952.299	1
43145_3145	43145	3145	-20.31	-59.685	-0.8235	-0.3105	14.736	-805.118	1
43145_3146	43145	3146	44.067	-20.958	0.1575	0.081	-26.136	853.7745	1
43146_3146	43146	3146	-22.2555	-68.1525	-0.771	0.414	11.823	-649.163	1
43146_3147	43146	3147	49.0305	-15.1965	0.072	-1.0395	-27.969	721.56	1
43147_3147	43147	3147	-25.35	-76.5975	-0.6435	0.027	9.99	-432.944	1
43147_3148	43147	3148	55.0335	-9.6915	-0.132	-0.51	-32.973	529.8465	1
43148_3148	43148	3148	-21.432	-4.2285	-0.042	-0.4545	3.033	-361.161	1
43148_3149	43148	3149	-45.336	-79.566	0.2895	-1.047	-28.884	451.245	1
43149_3149	43149	3149	18.744	-10.44	0.114	0.0195	21.192	-626.447	1
43149_3150	43149	3150	-46.3005	-67.9635	0.3405	-0.33	-26.589	765.3375	1
43150_3150	43150	3150	25.119	-14.874	0.126	0.408	23.5275	-942.699	1
43150_3151	43150	3151	-46.7955	-63.591	-0.18	-0.834	-30.774	1053.681	1
43151_3151	43151	3151	31.9215	-24.618	0.2325	0.1185	27.294	-1211.4	1
43151_3152	43151	3152	-45.843	-53.5575	-0.1095	-0.3	-32.4675	1168.371	1
43152_3152	43152	3152	37.2885	-23.49	-0.372	-0.0675	31.9125	-1329.6	1
43152_3153	43152	3153	-45.111	-58.8015	0.1575	-0.3075	-30.489	1306.778	1
43153_3153	43153	3153	40.1925	-29.9025	-0.33	0.1065	29.883	-1433.17	1
43153_3154	43153	3154	-44.1645	-46.0305	0.099	-0.444	-28.134	1394.904	1
43154_3154	43154	3154	43.173	-28.245	-0.219	0.378	27.2895	-1486.76	1
43154_3155	43154	3155	-43.7115	-50.1405	0.1065	-0.9825	-26.1285	1517.558	1
43155_3155	43155	3155	44.361	-37.662	-0.2445	-0.783	25.908	-1573.95	1
43155_3156	43155	3156	-43.4535	-39.8625	0.1065	0.1245	-24.2445	1522.124	1
43156_3156	43156	3156	44.541	-33.1335	-0.105	-0.234	24.0615	-1564.43	1
43156_3157	43156	3157	-43.4955	-45.525	-0.015	-0.24	-23.826	1589.885	1
43157_3157	43157	3157	44.3205	-42.102	-0.081	-0.1455	23.6205	-1610.87	1
43157_3158	43157	3158	-43.7715	-36.327	-0.0435	-0.3165	-23.8005	1563.135	1
43158_3158	43158	3158	43.902	-36.5205	-0.0315	-0.276	23.4945	-1567.37	1
43158_3159	43158	3159	-44.1435	-42.0465	-0.099	-0.207	-24.273	1603.602	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43159_3159	43159	3159	43.5585	-45.6705	-0.003	-0.2055	23.8125	-1590.25	1
43159_3160	43159	3160	-44.349	-33.0615	-0.123	-0.258	-25.053	1554.372	1
43160_3160	43160	3160	43.437	-40.245	0.126	0.141	24.555	-1519.5	1
43160_3161	43160	3161	-44.1795	-37.611	-0.2595	-0.8205	-27.201	1560.732	1
43161_3161	43161	3161	43.611	-50.424	0.123	-0.96	26.859	-1509.73	1
43161_3162	43161	3162	-43.0425	-28.194	-0.2325	0.363	-28.827	1470.221	1
43162_3162	43162	3162	44.0025	-46.563	0.093	-0.6105	29.2455	-1383.82	1
43162_3163	43162	3163	-40.1415	-29.679	-0.357	0.3945	-31.899	1409.604	1
43163_3163	43163	3163	44.913	-59.238	0.195	0.3405	31.893	-1286.34	1
43163_3164	43163	3164	-37.2885	-23.2935	-0.429	-0.627	-34.443	1300.551	1
43164_3164	43164	3164	45.669	-54.456	-0.1755	-0.3495	34.443	-1144.8	1
43164_3165	43164	3165	-32.013	-24.132	0.291	0.2175	-29.0895	1173.519	1
43165_3165	43165	3165	46.671	-64.431	-0.2385	-0.7575	32.253	-1016.5	1
43165_3166	43165	3166	-25.2465	-14.5095	0.168	0.372	-24.678	897.6075	1
43166_3166	43166	3166	46.2765	-69.2265	0.3765	-0.354	27.483	-717.536	1
43166_3167	43166	3167	-18.861	-10.0485	0.12	0.0495	-22.1655	579.1575	1
43167_3167	43167	3167	45.3795	-80.649	0.318	-1.095	30.249	-390.749	1
43167_3168	43167	3168	22.101	-4.932	0.012	-0.507	-3.285	427.758	1
43168_3168	43168	3168	-60.003	-9.8895	-0.3315	-0.2595	36.309	-525.933	1
43168_3169	43168	3169	28.326	-77.5995	-0.549	-0.339	-10.38	423.9765	1
43169_3169	43169	3169	-53.721	-15.2205	-0.0915	-0.8445	29.2635	-719.403	1
43169_3170	43169	3170	24.8265	-69.36	-0.705	0.144	-11.508	648.852	1
43170_3170	43170	3170	-48.4725	-20.7855	0.066	-0.7035	26.1375	-853.11	1
43170_3171	43170	3171	22.491	-61.0665	-0.804	-0.0285	-14.2155	814.2075	1
43171_3171	43171	3171	-42.4485	-21.2115	-0.489	-0.5895	25.1295	-955.677	1
43171_3172	43171	3172	21.2925	-59.9985	0.063	-0.0975	-10.5165	989.1495	1
43172_3172	43172	3172	-36.6135	-27.3495	-0.4155	-0.501	19.893	-1065.83	1
43172_3173	43172	3173	21.207	-51.4425	-0.021	-0.2025	-7.899	1092.738	1
43173_3173	43173	3173	-31.0965	-34.386	-0.336	-0.381	15.609	-1132.49	1
43173_3174	43173	3174	22.233	-43.4505	-0.1065	-0.315	-6.5055	1130.283	1
43174_3174	43174	3174	-26.799	-31.596	-0.447	-1.341	12.342	-1151.34	1
43174_3175	43174	3175	23.7165	-49.161	-0.2205	0.729	-6.48	1189.694	1
43175_3175	43175	3175	-24.2985	-36.8805	-0.4035	0.555	9.456	-1193.68	1
43175_3176	43175	3176	25.797	-42.954	-0.276	-1.302	-7.368	1209.054	1
43176_3176	43176	3176	-22.6095	-42.747	-0.273	-1.269	7.3275	-1211.4	1
43176_3177	43176	3177	28.5105	-37.077	-0.414	0.5235	-9.57	1191.759	1
43177_3177	43177	3177	-21.5715	-48.9465	-0.216	0.7695	6.4545	-1192.57	1
43177_3178	43177	3178	32.0085	-31.779	-0.4485	-1.3605	-12.465	1149.735	1
43178_3178	43178	3178	-21.1365	-43.392	-0.108	-0.0885	6.483	-1133.63	1
43178_3179	43178	3179	37.59	-34.587	-0.3105	-0.843	-15.591	1131.3	1
43179_3179	43179	3179	-21.519	-51.357	-0.027	0.1365	7.8585	-1095.74	1
43179_3180	43179	3180	44.343	-27.5595	-0.3795	-0.9945	-19.557	1065.276	1
43180_3180	43180	3180	-23.0085	-59.883	0.081	-0.8445	10.398	-992.213	1
43180_3181	43180	3181	51.375	-21.4155	-0.504	0.0135	-24.771	955.494	1
43181_3181	43181	3181	-25.5525	-61.1565	-0.798	0.336	14.1705	-817.635	1
43181_3182	43181	3182	58.4655	-20.9415	0.105	-1.14	-25.407	853.0515	1
43182_3182	43182	3182	-29.2035	-69.3975	-0.672	-0.21	11.445	-651.684	1
43182_3183	43182	3183	64.77	-15.405	-0.123	-0.192	-28.632	719.7195	1
43183_3183	43183	3183	-33.9795	-77.5845	-0.5745	-0.1215	10.3965	-427.001	1
43183_3184	43183	3184	72.2535	-10.086	-0.276	-0.588	-35.0115	527.154	1
43184_3184	43184	3184	-9.615	-5.9775	-0.096	-0.579	6.678	-376.515	1
43184_3185	43184	3185	-35.847	-83.412	0.264	-1.119	-29.3565	349.773	1
43185_3185	43185	3185	12.696	-9.021	0.1785	0.078	21.879	-548.532	1
43185_3186	43185	3186	-35.8125	-72.2235	0.3255	-0.402	-27.0045	712.7055	1
43186_3186	43186	3186	17.745	-13.4925	0.267	0.5235	24.8745	-881.888	1
43186_3187	43186	3187	-35.3655	-67.2135	-0.4035	-0.9765	-33.7725	1052.541	1
43187_3187	43187	3187	23.2275	-22.8855	0.3975	0.129	30.609	-1182.47	1
43187_3188	43187	3188	-33.7875	-57.2205	-0.336	-0.3375	-37.9125	1222.059	1
43188_3188	43188	3188	27.51	-22.449	-0.303	0.0405	37.428	-1338.77	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43188_3189	43188	3189	-32.715	-61.3485	0.009	-0.513	-36.9825	1385.451	1
43189_3189	43189	3189	29.7465	-28.7235	-0.2475	0.201	36.183	-1465.3	1
43189_3190	43189	3190	-31.428	-48.8685	-0.063	-0.6255	-36.687	1515.171	1
43190_3190	43190	3190	31.803	-27.9285	-0.1635	-0.0225	35.31	-1564.54	1
43190_3191	43190	3191	-30.81	-52.1475	-0.057	-0.6285	-36.4215	1657.244	1
43191_3191	43191	3191	32.4045	-37.0695	-0.123	0.111	35.1345	-1677.24	1
43191_3192	43191	3192	-30.438	-42.246	-0.1095	-0.7395	-36.9675	1684.236	1
43192_3192	43192	3192	32.1705	-33.2985	-0.0675	-0.132	35.514	-1697.28	1
43192_3193	43192	3193	-30.4005	-47.1645	-0.138	-0.522	-37.6755	1762.943	1
43193_3193	43193	3193	31.674	-42.0255	-0.027	-0.0015	36.1485	-1761.26	1
43193_3194	43193	3194	-30.606	-38.2755	-0.183	-0.621	-39.0495	1749.173	1
43194_3194	43194	3194	31.068	-37.212	0.1155	-0.2085	37.335	-1736.4	1
43194_3195	43194	3195	-30.912	-43.197	-0.3045	-0.408	-41.4825	1793.291	1
43195_3195	43195	3195	30.5985	-46.0995	0.162	-0.0825	39.9165	-1768.01	1
43195_3196	43195	3196	-31.071	-34.5405	-0.333	-0.495	-44.1285	1750.271	1
43196_3196	43196	3196	30.3885	-41.46	0.2535	-0.93	43.1535	-1707.39	1
43196_3197	43196	3197	-30.924	-38.313	-0.4605	0.5655	-47.808	1752.977	1
43197_3197	43197	3197	30.4845	-51.309	0.3345	0.525	47.5215	-1697.73	1
43197_3198	43197	3198	-30.012	-29.286	-0.5115	-0.8985	-51.7365	1662.486	1
43198_3198	43198	3198	30.801	-48.3765	0.2505	-0.3705	52.8975	-1575.52	1
43198_3199	43198	3199	-27.7125	-30.06	-0.4395	-0.159	-54.2985	1588.202	1
43199_3199	43199	3199	31.626	-60.699	0.2805	-0.942	57.561	-1472.44	1
43199_3200	43199	3200	-25.437	-23.889	-0.465	0.4605	-55.911	1476.969	1
43200_3200	43200	3200	32.421	-57.267	-0.0675	-0.192	60.288	-1327.42	1
43200_3201	43200	3201	-21.336	-23.9205	0.2505	-0.255	-49.059	1328.714	1
43201_3201	43201	3201	33.618	-67.11	-0.174	-1.9245	58.0005	-1176.01	1
43201_3202	43201	3202	-16.236	-14.727	0.1845	1.197	-41.7675	1033.926	1
43202_3202	43202	3202	33.7425	-72.4245	0.5295	-0.7455	52.233	-857.691	1
43202_3203	43202	3203	-11.6205	-10.2705	0.0105	0.3255	-37.503	697.227	1
43203_3203	43203	3203	33.6495	-83.3025	0.4635	-2.0745	54.4935	-509.214	1
43203_3204	43203	3204	9.2535	-4.5735	0.015	-0.8625	4.101	283.209	1
43204_3204	43204	3204	-68.0445	-12.237	-0.831	-1.293	69.8055	-643.578	1
43204_3205	43204	3205	32.202	-78.231	-0.2385	0.2145	-23.2785	495.7455	1
43205_3205	43205	3205	-60.918	-17.2425	-0.678	-0.1785	55.041	-827.169	1
43205_3206	43205	3206	27.966	-70.689	-0.3645	-0.198	-18.7875	716.0295	1
43206_3206	43206	3206	-54.927	-22.3515	-0.426	-1.227	45.129	-948.743	1
43206_3207	43206	3207	24.906	-63.042	-0.5415	0.462	-16.68	881.4285	1
43207_3207	43207	3207	-48.2115	-23.0235	-0.828	-0.735	38.193	-1043.65	1
43207_3208	43207	3208	23.022	-61.326	-0.0195	-0.4965	-11.232	1053.552	1
43208_3208	43208	3208	-41.6535	-28.74	-0.687	-0.4455	28.6635	-1144.27	1
43208_3209	43208	3209	22.3245	-53.328	-0.1725	-0.7275	-8.0655	1160.708	1
43209_3209	43209	3209	-35.4345	-35.2395	-0.492	-1.677	21.1515	-1206.42	1
43209_3210	43209	3210	22.8255	-45.765	-0.348	0.3165	-7.3635	1207.172	1
43210_3210	43210	3210	-30.3735	-33.4455	-0.705	-0.342	15.9555	-1227.64	1
43210_3211	43210	3211	23.976	-50.025	-0.2925	-0.954	-7.383	1264.88	1
43211_3211	43211	3211	-27.309	-38.442	-0.576	-0.0945	11.4915	-1265.62	1
43211_3212	43211	3212	25.7685	-44.211	-0.429	-1.1505	-8.943	1285.602	1
43212_3212	43212	3212	-25.065	-43.953	-0.3945	-1.95	8.493	-1281.38	1
43212_3213	43212	3213	28.2375	-38.688	-0.606	0.66	-12.255	1272.696	1
43213_3213	43213	3213	-23.5005	-49.7565	-0.2925	0.2655	7.3125	-1263.64	1
43213_3214	43213	3214	31.518	-33.675	-0.6855	-1.476	-16.815	1237.364	1
43214_3214	43214	3214	-22.5735	-45.621	-0.3165	-1.1445	7.623	-1208.97	1
43214_3215	43214	3215	36.831	-35.4825	-0.504	0.261	-21.9375	1219.401	1
43215_3215	43215	3215	-22.3815	-53.1555	-0.195	0.255	8.7015	-1165.73	1
43215_3216	43215	3216	43.3185	-28.9635	-0.6015	-1.326	-28.833	1160.097	1
43216_3216	43216	3216	-23.391	-61.1385	-0.045	0.4455	11.7915	-1062	1
43216_3217	43216	3217	50.13	-23.2215	-0.7425	-1.383	-37.74	1061.664	1
43217_3217	43217	3217	-25.536	-62.9955	-0.6975	-0.432	17.0265	-893.75	1
43217_3218	43217	3218	57.039	-22.455	-0.405	-0.966	-44.355	967.521	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43218_3218	43218	3218	-28.881	-70.6185	-0.5535	0.7485	17.904	-730.815	1
43218_3219	43218	3219	63.2655	-17.325	-0.5385	-2.415	-53.091	845.9805	1
43219_3219	43219	3219	-33.393	-78.1365	-0.2085	-0.8445	21.381	-514.593	1
43219_3220	43219	3220	70.641	-12.2805	-1.0125	0.072	-69.1575	664.401	1
43220_3220	43220	3220	-7.218	-6.4545	-0.138	-0.822	-6.1155	-316.461	1
43220_3221	43220	3221	-32.3145	-84.618	0.513	-3.213	-52.0545	536.8485	1
43221_3221	43221	3221	10.1715	-10.3455	-0.0105	-0.678	37.173	-722.267	1
43221_3222	43221	3222	-32.553	-74.2575	0.639	-1.1085	-48.2175	909.939	1
43222_3222	43222	3222	14.7165	-14.622	0.303	3.333	39.738	-1064.74	1
43222_3223	43222	3223	-32.589	-69.4695	-0.3225	-5.355	-56.1075	1268.246	1
43223_3223	43223	3223	19.869	-23.3475	0.2655	-3.525	47.457	-1374.55	1
43223_3224	43223	3224	-31.6305	-60.024	-0.123	1.221	-60.312	1456.184	1
43224_3224	43224	3224	24.0735	-23.136	-0.222	4.668	54.7455	-1549.74	1
43224_3225	43224	3225	-30.966	-63.795	0.0225	-6.3555	-60.456	1626.806	1
43225_3225	43225	3225	26.4	-28.8825	-0.2895	-2.511	55.1145	-1692.67	1
43225_3226	43225	3226	-30.3135	-50.214	0.144	0.4485	-57.9105	1805.561	1
43226_3226	43226	3226	29.1645	-30.1035	-0.285	3.0195	55.359	-1831.11	1
43226_3227	43226	3227	-30.093	-52.431	-0.009	-5.028	-56.565	1952.285	1
43227_3227	43227	3227	30.2025	-39.4515	-0.345	-3.8475	54.561	-1951.34	1
43227_3228	43227	3228	-29.952	-42.351	0.0375	1.8675	-54.897	1969.466	1
43228_3228	43228	3228	30.375	-36.8745	-0.09	2.892	53.0745	-1969.23	1
43228_3229	43228	3229	-29.9025	-45.2745	-0.234	-4.9215	-56.2605	2027.253	1
43229_3229	43229	3229	30.264	-46.671	-0.1395	-4.2015	54.366	-2021.81	1
43229_3230	43229	3230	-29.8155	-35.4735	-0.189	2.286	-57.318	1959.015	1
43230_3230	43230	3230	30.0645	-44.136	0.0945	2.379	55.3545	-1949.36	1
43230_3231	43230	3231	-29.388	-37.5945	-0.327	-4.362	-59.676	1933.097	1
43231_3231	43231	3231	29.9505	-54.441	0.0375	-4.206	58.9215	-1913.1	1
43231_3232	43231	3232	-28.359	-28.2435	-0.2535	2.451	-60.6135	1792.631	1
43232_3232	43232	3232	29.9235	-53.9025	-0.1485	0.69	61.779	-1743.3	1
43232_3233	43232	3233	-27.267	-32.2125	0.3315	-2.2485	-55.881	1736.777	1
43233_3233	43233	3233	29.886	-60.5895	-0.204	0.234	60.891	-1655.69	1
43233_3234	43233	3234	-25.9665	-26.562	0.3045	-1.4145	-51.5145	1637.681	1
43234_3234	43234	3234	30.312	-67.0065	-0.3375	-4.1025	58.8225	-1529.35	1
43234_3235	43234	3235	-23.874	-20.8185	0.315	2.8665	-46.314	1480.326	1
43235_3235	43235	3235	30.6405	-67.713	1.389	0.789	54.294	-1324.33	1
43235_3236	43235	3236	-22.0155	-22.5495	-1.611	-2.484	-54.168	1387.592	1
43236_3236	43236	3236	30.954	-72.4755	1.485	-0.663	61.6755	-1190.12	1
43236_3237	43236	3237	-20.424	-19.2105	-1.5405	-0.531	-60.45	1286.735	1
43237_3237	43237	3237	31.797	-76.533	1.4985	-3.852	69.0615	-1074.54	1
43237_3238	43237	3238	-17.298	-13.671	-1.2855	2.7105	-68.817	1069.643	1
43238_3238	43238	3238	31.2345	-63.4935	-1.251	-0.3165	83.7945	-777.335	1
43238_3239	43238	3239	-13.488	-20.838	0.939	-1.1415	-51.4695	923.625	1
43239_3239	43239	3239	31.335	-71.7855	-1.305	-2.4345	68.6775	-625.712	1
43239_3240	43239	3240	-10.398	-13.8195	0.783	1.4175	-35.97	689.5125	1
43240_3240	43240	3240	28.9485	-61.317	-1.284	-1.563	51.5805	-384.381	1
43240_3241	43240	3241	-6.5205	-28.3725	0.477	-0.537	-29.46	628.311	1
43241_3241	43241	3241	-74.811	-24.507	0.1485	-0.7965	69.771	-954.293	1
43241_3242	43241	3242	43.9995	-61.8285	-0.33	0.285	-41.805	726.0675	1
43242_3242	43242	3242	-68.7405	-31.7475	0.4905	-3.9195	67.305	-1035.35	1
43242_3243	43242	3243	40.2225	-55.362	-0.447	2.145	-37.7325	798.519	1
43243_3243	43243	3243	-63.3135	-21.081	-2.361	0.069	67.5705	-1051.35	1
43243_3244	43243	3244	36.9315	-66.6705	1.0785	-1.4925	-16.359	1034.277	1
43244_3244	43244	3244	-56.5875	-27.09	-2.0895	-1.851	40.5645	-1184.27	1
43244_3245	43244	3245	35.3235	-57.138	0.534	0.1695	-2.7645	1202.987	1
43245_3245	43245	3245	-49.4835	-30.297	-0.639	1.2855	15.93	-1275.09	1
43245_3246	43245	3246	35.4255	-52.908	-0.273	-3.2325	-1.6695	1326.806	1
43246_3246	43246	3246	-43.413	-37.851	-0.219	-3.117	8.2365	-1352.64	1
43246_3247	43246	3247	37.143	-44.196	-0.5745	1.116	-4.761	1358.81	1
43247_3247	43247	3247	-39.0045	-40.167	-0.8085	1.2195	6.5565	-1368.61	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43247_3248	43247	3248	40.2495	-42.078	0.387	-3.2115	0.027	1371.665	1
43248_3248	43248	3248	-36.3915	-48.2205	-0.612	-2.4795	-0.1965	-1374.41	1
43248_3249	43248	3249	45.684	-33.606	0.066	0.501	0.9135	1310.046	1
43249_3249	43249	3249	-35.166	-52.794	0.2055	0.675	-5.3145	-1285.62	1
43249_3250	43249	3250	52.7025	-30.009	-0.576	-2.7495	-6.645	1230.852	1
43250_3250	43250	3250	-35.7645	-62.4465	0.5325	-1.8345	-0.0135	-1152.65	1
43250_3251	43250	3251	60.171	-23.781	-0.687	0.087	-13.989	1114.961	1
43251_3251	43251	3251	-37.9455	-49.6935	0.9225	1.443	8.9265	-946.095	1
43251_3252	43251	3252	67.1835	-34.9425	-3.7905	-3.9765	-45.504	1120.143	1
43252_3252	43252	3252	-41.274	-57.063	1.6155	-0.429	23.529	-894.032	1
43252_3253	43252	3253	73.6665	-28.101	-4.5165	-0.7455	-86.826	1062.192	1
43253_3253	43253	3253	-45.8265	-64.785	2.2665	-1.05	48.33	-793.187	1
43253_3254	43253	3254	79.206	-22.593	-4.989	-0.0135	-130.791	968.1105	1
43254_3254	43254	3254	-50.7795	-53.9445	-2.9385	2.0655	79.266	-661.391	1
43254_3255	43254	3255	81.1125	-38.3325	4.3455	7.437	-119.54	981.2385	1
43255_3255	43255	3255	7.35	-15.42	-3.102	1.1775	56.2155	-655.242	1
43255_3256	43255	3256	-31.842	-74.256	5.9235	-4.7535	-34.242	543.6705	1
43256_3256	43256	3256	10.3845	-21.3165	-3.9375	-1.155	27.1305	-863.778	1
43256_3257	43256	3257	-31.041	-68.7885	6.225	-3.0945	15.3405	688.7805	1
43257_3257	43257	3257	13.6545	-12.0795	2.0085	2.7465	-7.893	-985.527	1
43257_3258	43257	3258	-32.4405	-80.412	-2.238	-3.9975	-6.564	1004.358	1
43258_3258	43258	3258	16.857	-17.184	2.0805	0.7395	10.3035	-1236	1
43258_3259	43258	3259	-32.334	-73.977	-2.1885	-2.187	-26.169	1234.475	1
43259_3259	43259	3259	19.7745	-22.359	2.058	-4.452	27.159	-1412.44	1
43259_3260	43259	3260	-31.6995	-71.8695	-2.1165	2.3985	-33.57	1296.033	1
43260_3260	43260	3260	20.802	-19.8495	0.609	4.47	33.318	-1463.66	1
43260_3261	43260	3261	-31.749	-71.475	-1.131	-6.2565	-43.3245	1479.591	1
43261_3261	43261	3261	23.1825	-24.2565	0.7335	1.443	38.64	-1613.48	1
43261_3262	43261	3262	-31.5825	-63.993	-0.9855	-3.0225	-54.2745	1664.153	1
43262_3262	43262	3262	25.719	-30.591	0.8415	-4.2195	48.0825	-1761.36	1
43262_3263	43262	3263	-31.5075	-58.0185	-0.7755	2.0265	-60.75	1777.973	1
43263_3263	43263	3263	27.3555	-27.591	-0.1455	2.6925	57.246	-1838.48	1
43263_3264	43263	3264	-32.0235	-58.2225	-0.3015	-4.3545	-62.538	1962.804	1
43264_3264	43264	3264	29.271	-35.6055	-0.126	-1.527	59.2245	-1983.73	1
43264_3265	43264	3265	-32.484	-48.5985	-0.324	-0.1305	-65.097	2041.728	1
43265_3265	43265	3265	30.606	-34.6755	-0.093	3.276	61.7505	-2044.17	1
43265_3266	43265	3266	-32.9385	-49.8255	-0.261	-5.265	-66.4425	2136.327	1
43266_3266	43266	3266	31.3935	-43.6215	-0.132	-3.6345	63.7995	-2134.28	1
43266_3267	43266	3267	-33.354	-40.785	-0.225	1.7115	-67.665	2119.814	1
43267_3267	43267	3267	31.941	-42.072	0.1935	2.13	65.4105	-2116.09	1
43267_3268	43267	3268	-33.642	-42.1335	-0.489	-3.87	-71.5215	2123.904	1
43268_3268	43268	3268	32.415	-51.3135	0.18	-2.8905	70.3065	-2119.28	1
43268_3269	43268	3269	-33.633	-33.375	-0.4455	1.2195	-74.595	2021.867	1
43269_3269	43269	3269	32.8725	-50.5545	0.195	2.022	75.0885	-2010.8	1
43269_3270	43269	3270	-33.021	-33.303	-0.039	-3.939	-71.562	1935.938	1
43270_3270	43270	3270	33.3435	-60.639	0.0315	-4.0875	78.1905	-1903.94	1
43270_3271	43270	3271	-31.668	-24.9795	0.0615	2.3655	-66.417	1756.811	1
43271_3271	43271	3271	33.6735	-63.7335	0.5175	2.3895	77.217	-1673.87	1
43271_3272	43271	3272	-30.5295	-26.1345	-0.567	-4.3455	-67.4625	1660.83	1
43272_3272	43272	3272	34.32	-69.231	0.519	-1.047	79.7025	-1539.05	1
43272_3273	43272	3273	-28.3005	-20.391	-0.3915	-0.435	-66.375	1493.003	1
43273_3273	43273	3273	35.256	-76.737	0.489	-5.721	83.1225	-1305.34	1
43273_3274	43273	3274	-25.9065	-16.203	-0.18	4.1385	-62.331	1315.548	1
43274_3274	43274	3274	34.8015	-60.585	-3.345	1.821	85.329	-1063.04	1
43274_3275	43274	3275	-24.534	-31.7295	2.52	-3.0255	-54.618	1303.07	1
43275_3275	43275	3275	35.3685	-62.0325	-3.3375	-0.5085	76.68	-1046.1	1
43275_3276	43275	3276	-21.6465	-25.224	2.2935	-0.984	-27.291	1214.597	1
43276_3276	43276	3276	35.7495	-68.586	-3.2685	-3.2595	45.12	-930.021	1
43276_3277	43276	3277	-18.5535	-19.3905	2.1315	2.2095	-3.3165	1061.226	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43277_3277	43277	3277	35.0805	-61.155	2.217	-5.955	14.9115	-770.849	1
43277_3278	43277	3278	-14.1855	-24.1755	-1.6455	4.917	-16.2975	934.173	1
43278_3278	43278	3278	35.4555	-68.8185	2.019	-7.9125	33.471	-657.78	1
43278_3279	43278	3279	-10.65	-18.015	-1.47	6.4725	-25.596	744.3525	1
43279_3279	43279	3279	-73.9575	-34.3035	-0.7515	20.445	59.3385	-1115.06	1
43279_3280	43279	3280	49.2075	-56.2185	1.182	-18.792	-21.009	753.5235	1
43280_3280	43280	3280	-71.613	-24.438	-0.54	2.1465	52.6635	-1110.11	1
43280_3281	43280	3281	45.852	-65.139	-0.2715	-2.838	-17.664	841.959	1
43281_3281	43281	3281	-67.9455	-28.626	-0.156	-0.7875	44.8395	-1177.57	1
43281_3282	43281	3282	42.2295	-56.217	-0.456	-0.585	-14.625	954.549	1
43282_3282	43282	3282	-61.932	-35.952	0.264	-3.807	38.3535	-1224.57	1
43282_3283	43282	3283	40.407	-48.7695	-0.5895	1.1985	-13.2525	992.997	1
43283_3283	43283	3283	-56.454	-31.452	-2.109	1.059	37.0905	-1172.7	1
43283_3284	43283	3284	39.831	-49.182	0.2205	-2.121	-0.5145	1076.483	1
43284_3284	43284	3284	-48.8955	-41.217	-1.5105	-2.637	9.219	-1191.54	1
43284_3285	43284	3285	41.811	-39.069	-0.441	0.984	-2.2485	1070.949	1
43285_3285	43285	3285	-43.4565	-35.388	0.156	1.0845	-5.8545	-1112.11	1
43285_3286	43285	3286	46.2255	-42.7935	-0.048	-2.592	-4.7205	1139.276	1
43286_3286	43286	3286	-40.4595	-45.846	0.3315	-2.745	-1.2705	-1133.06	1
43286_3287	43286	3287	52.044	-33.744	-0.2265	1.287	-8.0115	1101.873	1
43287_3287	43287	3287	-39.7485	-41.3205	-0.288	0.8085	4.209	-1051.08	1
43287_3288	43287	3288	60.3105	-38.313	-0.459	-2.388	-13.338	1151.057	1
43288_3288	43288	3288	-41.109	-51.5085	0.033	-1.7985	4.5465	-1030.02	1
43288_3289	43288	3289	69.369	-29.766	-0.8595	0.7845	-24.468	1115.589	1
43289_3289	43289	3289	-44.5305	-48.3345	-0.426	0.8925	10.152	-906.018	1
43289_3290	43289	3290	76.0995	-36.771	-0.1605	-2.871	-28.1415	1151.586	1
43290_3290	43290	3290	-48.5445	-55.689	-0.2355	-0.183	10.878	-867.008	1
43290_3291	43290	3291	81.981	-30.6075	-0.4785	-0.708	-34.905	1134.128	1
43291_3291	43291	3291	-53.4945	-62.928	-0.024	-1.434	13.908	-792.968	1
43291_3292	43291	3292	87.2475	-25.2555	-0.78	0.972	-44.721	1080.728	1
43292_3292	43292	3292	-59.382	-57.5025	-0.9	8.97	19.5525	-685.589	1
43292_3293	43292	3293	88.848	-36.876	1.7925	-3.6525	-41.4945	1095.384	1
43293_3293	43293	3293	1.0815	-16.488	0.219	0.1365	9.1335	-726.338	1
43293_3294	43293	3294	-13.4265	-75.15	1.725	-2.166	-15.7725	846.321	1
43294_3294	43294	3294	1.7475	-21.537	-0.177	-3.0525	11.8695	-930.834	1
43294_3295	43294	3295	-10.692	-67.9035	1.9875	0.7695	1.8075	1089.209	1
43295_3295	43295	3295	3.1755	-14.9955	-0.165	3.0825	6.4275	-1121.18	1
43295_3296	43295	3296	-9.6015	-73.47	-0.195	-4.89	-0.069	1438.371	1
43296_3296	43296	3296	3.8895	-21.9105	-0.042	-1.305	2.4375	-1423.66	1
43296_3297	43296	3297	-7.9605	-66.9075	-0.1725	0.159	-2.7405	1645.194	1
43297_3297	43297	3297	4.551	-27.909	0.0435	-5.6295	1.7265	-1608.41	1
43297_3298	43297	3298	-6.9075	-63.582	-0.1605	4.2915	-4.236	1731.033	1
43298_3298	43298	3298	5.0745	-21.753	0.4545	3.153	1.995	-1686.44	1
43298_3299	43298	3299	-6.2445	-67.7205	-0.486	-4.464	-9.4365	1947.657	1
43299_3299	43299	3299	5.4495	-27.396	0.498	-0.1755	6.24	-1881.71	1
43299_3300	43299	3300	-6.024	-61.536	-0.426	-0.5565	-13.3935	2094.446	1
43300_3300	43300	3300	5.661	-32.9775	0.537	-3.726	10.629	-2022.94	1
43300_3301	43300	3301	-6.006	-55.9425	-0.351	2.8155	-16.0845	2200.094	1
43301_3301	43301	3301	5.808	-27.1245	-0.357	3.7035	15.084	-2117.16	1
43301_3302	43301	3302	-5.958	-58.755	0.3225	-5.2275	-11.5545	2421.429	1
43302_3302	43302	3302	5.9685	-35.8005	-0.3915	-4.077	11.4705	-2335.33	1
43302_3303	43302	3303	-5.919	-49.272	0.3195	2.9805	-7.203	2513.24	1
43303_3303	43303	3303	6.018	-32.448	-0.0945	3.048	7.0995	-2447.06	1
43303_3304	43303	3304	-5.889	-53.0295	0.1005	-4.245	-5.5485	2650.599	1
43304_3304	43304	3304	5.994	-41.9655	-0.117	-3.954	6.0405	-2615.85	1
43304_3305	43304	3305	-5.8665	-44.406	0.1155	2.9175	-3.819	2654.073	1
43305_3305	43305	3305	5.955	-36.8175	-0.138	3.6975	4.6875	-2649.43	1
43305_3306	43305	3306	-5.832	-48.8175	0.1335	-4.9485	-1.4595	2716.488	1
43306_3306	43306	3306	5.9145	-46.551	-0.165	-5.427	2.598	-2744.94	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43306_3307	43306	3307	-5.7705	-40.593	0.147	4.053	0.594	2653.23	1
43307_3307	43307	3307	5.889	-40.2465	-0.1365	3.474	0.5115	-2711.06	1
43307_3308	43307	3308	-5.634	-45.714	0.105	-4.509	2.3295	2645.249	1
43308_3308	43308	3308	5.8665	-49.4745	-0.153	-4.779	-1.539	-2743.49	1
43308_3309	43308	3309	-5.3985	-36.756	0.1065	3.315	3.702	2505.371	1
43309_3309	43309	3309	5.838	-43.4985	-0.162	3.0615	-3.54	-2649.62	1
43309_3310	43309	3310	-5.001	-41.0085	0.2205	-3.7815	6.1125	2398.361	1
43310_3310	43310	3310	5.778	-52.44	-0.1905	-3.8025	-5.7735	-2617.88	1
43310_3311	43310	3311	-4.3365	-30.4095	0.219	2.2485	8.235	2110.676	1
43311_3311	43311	3311	5.646	-48.63	-0.1395	2.5635	-8.598	-2441.32	1
43311_3312	43311	3312	-3.3555	-29.199	-0.2805	-2.661	3.2925	1761.75	1
43312_3312	43312	3312	5.409	-58.797	0.006	-3.885	-8.799	-2284.38	1
43312_3313	43312	3313	-2.1975	-17.385	-0.2445	1.6515	-1.359	1237.934	1
43313_3313	43313	3313	5.0025	-58.5975	-0.381	0.9555	-5.157	-1941.1	1
43313_3314	43313	3314	-1.4115	-13.7625	0.228	-1.0485	1.8915	857.1525	1
43314_3314	43314	3314	4.323	-72.126	-0.4665	-4.0485	-7.9005	-1482.2	1
43314_3315	43314	3315	-0.6525	-5.736	0.132	1.0575	2.481	403.1895	1
43315_3315	43315	3315	3.231	-88.839	1.3425	2.8215	-10.9905	-701.765	1
43315_3316	43315	3316	1.575	-5.1435	0.1185	-1.581	0	10.095	1

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
3000_3000	3000	3000	2.451	29.8155	-0.1695	0.1965	0	8.5005	1
3000_3001	3000	3001	83.5365	-69.8145	0.1005	-0.153	1.4925	640.7205	1
3001_3001	3001	3001	5.6265	-5.0865	0.153	-0.1815	2.271	44.916	1
3001_3002	3001	3002	118.548	-58.149	0.1245	-0.0225	3.1425	907.227	1
3002_3002	3002	3002	9.948	-5.0475	-0.213	-0.1965	3.855	77.7735	1
3002_3003	3002	3003	152.943	-48.4605	-0.1425	-0.303	1.6935	1168.419	1
3003_3003	3003	3003	14.967	-5.0505	-0.2115	-0.1515	1.245	115.917	1
3003_3004	3003	3004	169.6965	-37.14	-0.162	0.096	-0.072	1295.994	1
3004_3004	3004	3004	20.01	-5.0835	-0.0945	-0.18	-1.3305	154.101	1
3004_3005	3004	3005	186.9915	-41.2125	-0.0525	-0.24	-0.771	1427.292	1
3005_3005	3005	3005	25.0785	-5.0835	-0.0945	-0.141	-2.472	192.5265	1
3005_3006	3005	3006	191.865	-31.3755	-0.0585	0.012	-1.6455	1464.242	1
3006_3006	3006	3006	30.1545	-5.0355	-0.0615	-0.1875	-3.6135	230.982	1
3006_3007	3006	3007	202.0575	-37.7115	-0.045	-0.4005	-2.427	1541.367	1
3007_3007	3007	3007	35.175	-5.0355	-0.0615	-0.084	-4.3695	269.0355	1
3007_3008	3007	3008	201.24	-28.2075	-0.048	0.1425	-3.2865	1535.007	1
3008_3008	3008	3008	40.2	-4.9815	-0.0525	-0.132	-5.124	307.119	1
3008_3009	3008	3009	206.4735	-34.6365	-0.0435	-0.213	-4.1145	1574.493	1
3009_3009	3009	3009	45.1485	-4.986	-0.0525	-0.069	-5.727	344.808	1
3009_3010	3009	3010	200.9505	-25.1565	-0.045	0.0465	-4.938	1532.471	1
3010_3010	3010	3010	50.1045	-4.9485	-0.054	-0.135	-6.3255	382.5345	1
3010_3011	3010	3011	201.4305	-11.7255	-0.0525	-0.309	-5.2965	1536.273	1
3011_3011	3011	3011	55.0395	-4.9485	-0.054	0.018	-6.987	419.934	1
3011_3012	3011	3012	192.2985	-1.6455	-0.0525	0.2325	-6.2385	1466.897	1
3012_3012	3012	3012	59.973	-5.055	-0.069	-0.048	-7.6455	457.335	1
3012_3013	3012	3013	188.4375	-7.539	-0.0675	-0.1035	-7.3065	1437.5	1
3013_3013	3013	3013	65.0175	-5.055	-0.069	0.042	-8.4915	495.561	1
3013_3014	3013	3014	173.7195	2.6415	-0.0675	0.1425	-8.316	1325.829	1
3014_3014	3014	3014	70.062	-5.4195	-0.0375	-0.0525	-9.336	533.793	1
3014_3015	3014	3015	156.576	1.7655	-0.072	-0.117	-9.567	1195.676	1
3015_3015	3015	3015	84.396	-5.1945	-0.0255	0.129	-6.768	603.003	1
3015_3016	3015	3016	150.327	9.129	-0.051	0.1905	-6.8925	1108.715	1
3016_3016	3016	3016	86.415	-5.9385	-0.021	-0.0015	-6.9825	633.7815	1
3016_3017	3016	3017	120.654	6.936	0.0105	-0.018	-6.582	992.598	1
3017_3017	3017	3017	84.315	-5.8125	-0.0195	0.2475	-7.1445	695.9505	1
3017_3018	3017	3018	77.2065	-2.76	0.0195	0.195	-5.0295	785.781	1
3018_3018	3018	3018	76.587	-6.57	-0.021	0.0525	-7.3905	772.347	1
3018_3019	3018	3019	42.678	1.011	0.003	0.03	-4.5255	554.88	1
3019_3019	3019	3019	67.254	-6.684	-0.021	0.4155	-7.632	857.526	1
3019_3020	3019	3020	21.4935	-1.692	-0.0225	0.174	-3.423	353.5575	1
3020_3020	3020	3020	64.8915	32.916	0.102	-0.0285	-3.069	560.418	1
3020_3021	3020	3021	110.2575	-44.1045	0.0765	-0.015	-6.225	500.397	1
3021_3021	3021	3021	39.414	22.2915	0.099	0.0435	-3.1725	371.268	1
3021_3022	3021	3022	117.192	-38.454	0.0315	0.057	-4.0395	564.84	1
3022_3022	3022	3022	17.961	15.45	0.1095	0.054	-3.6405	275.8875	1
3022_3023	3022	3023	120.156	-32.322	0.0135	0.0465	-3.4275	617.853	1
3023_3023	3023	3023	-6.0975	2.973	0.15	0.0855	-6.627	224.2365	1
3023_3024	3023	3024	124.6065	-32.3055	0.063	0.0195	-2.5005	678.813	1
3024_3024	3024	3024	-7.152	2.889	0.1485	0.084	-5.4375	209.439	1
3024_3025	3024	3025	125.634	-25.452	0.0495	0.006	-1.7475	713.388	1
3025_3025	3025	3025	-8.847	2.8575	0.153	0.105	-4.2525	195.105	1
3025_3026	3025	3026	123.705	-18.024	0.0345	0.066	-1.188	721.4715	1
3026_3026	3026	3026	-9.1395	2.1465	0.1455	0.0675	-3.039	180.984	1
3026_3027	3026	3027	125.58	-23.3715	0.042	-0.084	-0.7785	746.127	1
3027_3027	3027	3027	-10.341	2.1465	0.153	0.0945	-2.169	172.9185	1
3027_3028	3027	3028	125.7255	-17.757	0.027	0.0195	-0.5295	755.499	1
3028_3028	3028	3028	-11.544	2.1465	0.153	0.0945	-1.251	164.856	1
3028_3029	3028	3029	122.973	-11.9685	0.0135	0.0045	-0.4245	742.686	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3029_3029	3029	3029	-12.7455	2.1465	0.1605	0.12	-0.333	156.7905	1
3029_3030	3029	3030	121.0695	-22.605	-0.0495	0.0585	-0.8715	716.2905	1
3030_3030	3030	3030	-13.9515	1.1685	0.144	0.078	0.6345	148.728	1
3030_3031	3030	3031	121.917	-25.6515	-0.045	-0.1005	-1.332	706.3755	1
3031_3031	3031	3031	-26.358	-3.1875	-0.15	-0.093	-2.727	151.635	1
3031_3032	3031	3032	119.598	-18.7845	-0.06	-0.0435	-1.983	669.7725	1
3032_3032	3032	3032	-25.5765	-3.3255	-0.1425	-0.0735	-3.939	167.769	1
3032_3033	3032	3033	113.715	-12.6075	-0.0765	0.0135	-2.8335	606.447	1
3033_3033	3033	3033	-9.1815	-11.3085	-0.126	-0.0825	-3.0795	190.7865	1
3033_3034	3033	3034	109.305	-12.6975	-0.027	-0.1215	-3.3435	551.2815	1
3034_3034	3034	3034	15.396	-18.168	-0.1035	-0.0015	-2.7825	259.3605	1
3034_3035	3034	3035	102.072	-7.1745	-0.0555	0.0075	-4.185	478.1925	1
3035_3035	3035	3035	34.2135	-25.296	-0.126	-0.0405	-3.369	374.6985	1
3035_3036	3035	3036	91.1715	-1.6725	-0.099	-0.06	-7.272	382.7715	1
3036_3036	3036	3036	40.6635	10.242	-0.006	-0.3315	-5.5305	902.5755	1
3036_3037	3036	3037	23.5635	-51.588	-0.012	-0.2115	-3.6675	510.3	1
3037_3037	3037	3037	48.033	9.6465	-0.003	-0.09	-5.6145	787.8135	1
3037_3038	3037	3038	52.755	-42.405	0.009	-0.0825	-4.116	711.7365	1
3038_3038	3038	3038	54.2355	8.2185	0.0015	-0.2295	-5.637	683.2095	1
3038_3039	3038	3039	87.7575	-37.6305	-0.042	-0.24	-5.0025	885.24	1
3039_3039	3039	3039	59.667	7.7355	0.006	-0.0075	-5.7015	588.039	1
3039_3040	3039	3040	111.0885	-27.984	-0.0405	-0.0045	-5.8605	958.329	1
3040_3040	3040	3040	58.44	6.627	0.039	-0.0945	-5.6265	519.138	1
3040_3041	3040	3041	124.77	-32.3625	0.051	-0.1365	-5.6325	1032.894	1
3041_3041	3041	3041	62.58	6.5625	0.0195	-0.003	-2.502	445.008	1
3041_3042	3041	3042	149.289	-18.4845	0.021	-0.0015	-2.4495	1010.622	1
3042_3042	3042	3042	52.218	5.8665	0.006	-0.0105	-2.196	381.7905	1
3042_3043	3042	3043	161.1735	-23.5905	0.009	-0.048	-2.424	1080.069	1
3043_3043	3043	3043	45.243	5.8665	0.0075	0.0135	-2.118	339.558	1
3043_3044	3043	3044	163.164	-12.948	0.0075	0.018	-2.3895	1086.806	1
3044_3044	3044	3044	38.2695	5.6295	0.0075	0	-2.0295	297.3315	1
3044_3045	3044	3045	172.062	-19.0335	0.0015	-0.0855	-2.4075	1135.035	1
3045_3045	3045	3045	31.5765	5.6295	0.009	0.0375	-1.935	256.8105	1
3045_3046	3045	3046	170.133	-26.1585	-0.0015	0.0465	-2.421	1111.973	1
3046_3046	3046	3046	33.3975	-5.934	-0.0135	-0.024	-1.8795	226.7805	1
3046_3047	3046	3047	174.5385	-31.9755	-0.003	-0.0075	-2.409	1138.155	1
3047_3047	3047	3047	40.449	-5.934	-0.0135	-0.0225	-2.034	269.475	1
3047_3048	3047	3048	166.746	-21.972	-0.006	-0.009	-2.424	1091.462	1
3048_3048	3048	3048	47.5065	-6.0315	-0.0135	-0.003	-2.19	312.2115	1
3048_3049	3048	3049	165.459	-27.2235	-0.0075	0.012	-2.442	1084.578	1
3049_3049	3049	3049	54.678	-6.0315	-0.0135	-0.0045	-2.352	355.6365	1
3049_3050	3049	3050	153.9915	-17.5155	-0.0105	-0.0015	-2.472	1014.347	1
3050_3050	3050	3050	61.8435	-6.405	-0.0135	0.006	-2.514	399.0315	1
3050_3051	3050	3051	145.5435	-20.211	-0.021	-0.0015	-2.6325	958.398	1
3051_3051	3051	3051	68.5305	-6.279	-0.0165	0.072	-3.2025	478.152	1
3051_3052	3051	3052	124.0275	-12.117	-0.027	0.0795	-3.183	921.3885	1
3052_3052	3052	3052	71.661	-6.9105	-0.006	0.018	-3.3195	513.273	1
3052_3053	3052	3053	102.4755	-13.5255	0.0225	0.003	-2.7195	848.3835	1
3053_3053	3053	3053	65.6985	-7.044	-0.0075	0.267	-4.632	611.0415	1
3053_3054	3053	3054	59.4375	-4.047	0.0255	0.21	-3.0555	728.0145	1
3054_3054	3054	3054	60.7485	-7.7265	-0.021	0.042	-4.698	694.512	1
3054_3055	3054	3055	32.343	-0.1695	-0.0015	0.0165	-2.8485	524.6025	1
3055_3055	3055	3055	53.865	-8.0595	-0.0195	0.4665	-4.902	785.2545	1
3055_3056	3055	3056	18.1005	-2.1435	-0.012	0.156	-1.578	307.6845	1
3056_3056	3056	3056	52.617	32.499	0.084	-0.0045	-2.3235	516.5535	1
3056_3057	3056	3057	106.578	-43.824	0.042	0.0195	-3.7755	527.1165	1
3057_3057	3057	3057	26.265	21.426	0.0885	0.099	-2.556	351.078	1
3057_3058	3057	3058	113.3835	-38.1225	0.018	0.1185	-2.8095	613.2525	1
3058_3058	3058	3058	3.909	13.5885	0.096	0.132	-3	261.7965	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3058_3059	3058	3059	117.2325	-31.842	0.003	0.096	-2.424	675.333	1
3059_3059	3059	3059	-11.154	3.111	0.108	0.1815	-4.866	236.6295	1
3059_3060	3059	3060	122.259	-31.896	0.0495	-0.0195	-1.7445	744.3915	1
3060_3060	3060	3060	-11.877	3.024	0.1125	0.228	-4.0065	220.575	1
3060_3061	3060	3061	123.918	-24.9825	0.039	0.1125	-1.2045	784.3035	1
3061_3061	3061	3061	-13.1385	2.976	0.1125	0.2265	-3.1125	204.9075	1
3061_3062	3061	3062	122.643	-17.517	0.03	0.0855	-0.777	795.0375	1
3062_3062	3062	3062	-13.7055	2.3685	0.1155	0.2085	-2.232	189.5745	1
3062_3063	3062	3063	124.68	-23.013	0.0255	0.018	-0.519	822.132	1
3063_3063	3063	3063	-14.9325	2.3685	0.1155	0.2085	-1.539	180.258	1
3063_3064	3063	3064	124.7985	-33.516	-0.0195	-0.093	-0.336	832.9335	1
3064_3064	3064	3064	-14.313	-1.9245	-0.117	-0.2325	-0.603	180.435	1
3064_3065	3064	3065	124.1745	-27.939	-0.0285	-0.117	-0.492	821.391	1
3065_3065	3065	3065	-13.3185	-1.9245	-0.111	-0.1785	-1.3065	188.007	1
3065_3066	3065	3066	121.8825	-22.761	-0.0405	0.078	-0.7665	793.4625	1
3066_3066	3066	3066	-12.3255	-2.565	-0.111	-0.243	-1.968	195.5625	1
3066_3067	3066	3067	122.844	-26.01	-0.039	-0.1605	-1.1745	781.8465	1
3067_3067	3067	3067	-13.038	-2.6595	-0.1125	-0.246	-2.8455	209.3655	1
3067_3068	3067	3068	120.9075	-19.1055	-0.0465	-0.198	-1.698	741.381	1
3068_3068	3068	3068	-11.205	-2.6595	-0.102	-0.1455	-3.7485	223.3155	1
3068_3069	3068	3069	115.6785	-12.894	-0.063	0.075	-2.385	672.4785	1
3069_3069	3069	3069	-11.565	-3.1695	-0.114	-0.234	-4.5555	237.699	1
3069_3070	3069	3070	111.7455	-13.002	-0.021	-0.213	-2.7795	611.3085	1
3070_3070	3070	3070	3.216	-13.623	-0.093	-0.1125	-2.784	266.913	1
3070_3071	3070	3071	104.8455	-7.347	-0.0405	-0.1095	-3.414	529.473	1
3071_3071	3071	3071	25.701	-21.5445	-0.096	-0.0015	-2.76	360.582	1
3071_3072	3071	3072	94.902	-1.665	-0.075	-0.0345	-5.295	416.1555	1
3072_3072	3072	3072	44.8365	8.367	0.018	-0.423	-4.9545	902.2725	1
3072_3073	3072	3073	25.8075	-51.936	0	-0.258	-2.979	531.195	1
3073_3073	3073	3073	52.767	7.9515	0.018	-0.105	-4.791	803.5275	1
3073_3074	3073	3074	54.8745	-42.4395	0.0165	-0.093	-3.192	741.225	1
3074_3074	3074	3074	60.207	7.062	0.0105	-0.327	-4.617	712.9785	1
3074_3075	3074	3075	89.5395	-37.4265	-0.0195	-0.345	-3.6675	923.355	1
3075_3075	3075	3075	72.687	6.7455	0.009	0.015	-3.3045	593.619	1
3075_3076	3075	3076	124.4865	-27.4305	-0.012	0.027	-3.015	948.8055	1
3076_3076	3076	3076	72.807	5.8245	0.009	-0.132	-3.2265	532.635	1
3076_3077	3076	3077	140.5875	-32.2155	0.0105	-0.21	-3.0015	1030.82	1
3077_3077	3077	3077	64.6485	5.9985	0.0135	0.0375	-4.5285	507.1275	1
3077_3078	3077	3078	140.022	-19.6425	0.0165	0.0705	-4.245	1120.394	1
3078_3078	3078	3078	57.0885	5.7765	0.0255	-0.0015	-4.3245	452.313	1
3078_3079	3078	3079	154.584	-41.9595	0.0165	-0.06	-4.1625	1205.639	1
3079_3079	3079	3079	51.465	5.7765	0.0255	-0.0015	-4.0425	411.5505	1
3079_3080	3079	3080	158.151	-32.331	0.0135	-0.0765	-3.975	1224.908	1
3080_3080	3080	3080	46.065	5.5635	0.0195	0.009	-3.771	370.8285	1
3080_3081	3080	3081	167.4585	-38.1615	0.003	-0.1365	-3.8985	1287.584	1
3081_3081	3081	3081	40.6455	5.5635	0.021	0.06	-3.549	331.539	1
3081_3082	3081	3082	166.5105	-28.6215	0.0015	0.0285	-3.828	1278.072	1
3082_3082	3082	3082	35.232	5.4915	0.0225	0.0465	-3.321	292.2885	1
3082_3083	3082	3083	171.732	-34.2225	-0.006	-0.111	-3.84	1315.713	1
3083_3083	3083	3083	29.487	5.4915	0.0225	0.084	-3.054	250.6425	1
3083_3084	3083	3084	165.786	-5.643	-0.0015	0.099	-3.8895	1272.759	1
3084_3084	3084	3084	36.921	-5.244	-0.0255	-0.057	-3.2025	289.536	1
3084_3085	3084	3085	166.554	-12.4155	0	-0.063	-3.891	1278.204	1
3085_3085	3085	3085	42.024	-5.244	-0.024	-0.003	-3.48	326.5245	1
3085_3086	3085	3086	156.003	-21.006	-0.0045	0.0855	-3.846	1212.837	1
3086_3086	3086	3086	47.1315	-5.3475	-0.024	-0.021	-3.7545	363.552	1
3086_3087	3086	3087	152.175	-26.3985	-0.0165	-0.0495	-3.9585	1189.985	1
3087_3087	3087	3087	52.02	-5.364	-0.024	0.0405	-4.005	401.325	1
3087_3088	3087	3088	140.415	-17.25	-0.015	0.1005	-4.0125	1107.335	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3088_3088	3088	3088	57.24	-5.7045	-0.03	0.0015	-4.272	439.17	1
3088_3089	3088	3089	131.238	-19.2465	-0.0405	-0.024	-4.353	1039.794	1
3089_3089	3089	3089	63.1125	-5.5785	-0.027	0.147	-4.227	513.255	1
3089_3090	3089	3090	115.0035	-12.528	-0.036	0.1755	-4.0755	1005.29	1
3090_3090	3090	3090	65.613	-6.147	-0.0075	-0.0015	-4.4535	546.192	1
3090_3091	3090	3091	93.909	-13.8495	0.0255	-0.0285	-3.5235	917.0445	1
3091_3091	3091	3091	64.095	-6.1905	-0.0075	0.273	-5.682	611.6145	1
3091_3092	3091	3092	58.1805	-3.9045	0.027	0.2115	-3.7125	738.9645	1
3092_3092	3092	3092	58.608	-6.927	-0.033	0.1005	-5.733	687.75	1
3092_3093	3092	3093	31.0485	-0.1215	-0.0075	0.0555	-3.579	524.3655	1
3093_3093	3093	3093	51.6045	-7.203	-0.0315	0.402	-6.087	771.4635	1
3093_3094	3093	3094	8.4285	7.392	0.0105	0.1755	-2.892	241.137	1
3094_3094	3094	3094	49.8405	31.7835	0.1095	-0.0345	-2.814	515.58	1
3094_3095	3094	3095	104.3955	-43.9515	0.0465	-0.0315	-4.347	527.9685	1
3095_3095	3095	3095	23.0025	20.991	0.1455	0.1275	-3.789	359.1315	1
3095_3096	3095	3096	107.514	-38.268	0.0165	0.1515	-4.2075	628.7565	1
3096_3096	3096	3096	2.2095	13.398	0.1575	0.1635	-4.344	268.395	1
3096_3097	3096	3097	110.7	-31.827	-0.006	0.126	-3.735	692.0385	1
3097_3097	3097	3097	-11.3205	3.057	0.1815	0.183	-7.0155	241.683	1
3097_3098	3097	3098	115.131	-32.136	0.0795	-0.027	-2.7075	763.764	1
3098_3098	3098	3098	-11.7645	2.9445	0.189	0.234	-5.583	225.33	1
3098_3099	3098	3099	116.3775	-25.083	0.0615	0.1275	-1.8915	804.789	1
3099_3099	3099	3099	-12.4485	2.8665	0.1875	0.234	-4.089	209.619	1
3099_3100	3099	3100	114.834	-17.448	0.0495	0.105	-1.245	814.725	1
3100_3100	3100	3100	-12.7995	2.211	0.2115	0.3525	-2.61	194.367	1
3100_3101	3100	3101	116.6985	-23.4585	0.0315	0.612	-0.9255	843.7755	1
3101_3101	3101	3101	-13.2285	2.1975	0.21	0.351	-1.356	185.3865	1
3101_3102	3101	3102	116.4225	-33.7005	-0.0375	0.6	-0.8265	856.3155	1
3102_3102	3102	3102	-17.013	-2.3445	-0.2115	-0.405	-0.7995	187.2735	1
3102_3103	3102	3103	115.8675	-28.035	-0.0285	-0.7395	-1.014	845.1585	1
3103_3103	3103	3103	-15.8865	-2.3445	-0.1995	-0.339	-2.0655	196.818	1
3103_3104	3103	3104	113.712	-22.7595	-0.048	-0.42	-1.386	816.4365	1
3104_3104	3104	3104	-15.348	-2.877	-0.183	-0.258	-3.255	206.394	1
3104_3105	3104	3105	114.8745	-26.391	-0.0615	-0.2025	-2.085	806.8905	1
3105_3105	3105	3105	-14.7285	-2.9415	-0.1755	-0.207	-4.7145	222.2145	1
3105_3106	3105	3106	113.2425	-19.329	-0.078	-0.0435	-2.988	766.11	1
3106_3106	3106	3106	-14.0265	-3.0045	-0.177	-0.207	-6.1245	238.3605	1
3106_3107	3106	3107	108.438	-12.9645	-0.0915	-0.069	-4.0665	694.5645	1
3107_3107	3107	3107	-13.2195	-3.432	-0.171	-0.198	-7.545	254.9355	1
3107_3108	3107	3108	104.9115	-13.2165	-0.018	-0.1125	-4.608	631.5735	1
3108_3108	3108	3108	-14.0775	-3.6915	-0.171	-0.204	-8.8365	273.603	1
3108_3109	3108	3109	98.412	-7.38	-0.042	-0.1425	-5.4645	545.613	1
3109_3109	3109	3109	22.8765	-20.8815	-0.123	-0.0255	-3.4935	354.522	1
3109_3110	3109	3110	91.401	-1.5315	-0.0675	-0.0615	-6.276	416.112	1
3110_3110	3110	3110	43.344	8.679	0.036	-0.5055	-7.0035	912.9015	1
3110_3111	3110	3111	25.0005	-51.483	0.012	-0.3045	-4.0905	541.9095	1
3111_3111	3111	3111	50.9955	8.253	0.0375	-0.045	-6.642	811.2495	1
3111_3112	3111	3112	53.0355	-41.658	0.0345	-0.0495	-4.2885	750.015	1
3112_3112	3112	3112	57.9525	7.3275	0.015	-0.303	-6.207	717.303	1
3112_3113	3112	3113	86.3055	-36.78	-0.0225	-0.2985	-4.932	929.727	1
3113_3113	3113	3113	64.1775	7.1415	0.0135	0.024	-4.764	624.4185	1
3113_3114	3113	3114	108.945	-26.517	-0.015	0.0375	-4.392	993.6585	1
3114_3114	3114	3114	64.0335	6.4365	0.036	-0.084	-4.6455	558.876	1
3114_3115	3114	3115	121.6455	-31.332	0.0495	-0.0765	-4.131	1068.042	1
3115_3115	3115	3115	67.713	6.48	0.03	-0.018	-3.612	469.209	1
3115_3116	3115	3116	142.542	-18.1515	0.039	-0.033	-3.006	1007.003	1
3116_3116	3116	3116	58.9215	6.0915	0.0195	-0.036	-3.1725	412.914	1
3116_3117	3116	3117	152.9535	-23.6145	0.0165	-0.1275	-2.8845	1071.551	1
3117_3117	3117	3117	52.5165	6.0915	0.021	0.048	-2.9475	371.895	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3117_3118	3117	3118	154.5075	-13.299	0.0195	0.0945	-2.7015	1077.045	1
3118_3118	3118	3118	46.755	5.979	0.0225	-0.0015	-2.733	330.99	1
3118_3119	3118	3119	162.513	-19.8195	0.0165	-0.123	-2.5245	1123.572	1
3119_3119	3119	3119	40.4745	5.979	0.0225	0.0645	-2.484	290.7705	1
3119_3120	3119	3120	160.215	-9.525	0.018	0.114	-2.3115	1104.521	1
3120_3120	3120	3120	34.1925	5.928	0.024	0.0405	-2.223	250.5525	1
3120_3121	3120	3121	165.3405	-15.879	0.012	-0.036	-2.139	1134.197	1
3121_3121	3121	3121	27.501	5.928	0.024	0.063	-1.9395	207.6945	1
3121_3122	3121	3122	157.446	-4.7415	0.012	0.069	-1.9755	1082.631	1
3122_3122	3122	3122	21.5805	-3.675	-0.0075	-0.024	-1.407	177.666	1
3122_3123	3122	3123	156.8655	-11.8575	0.0105	-0.0225	-1.8375	1080.086	1
3123_3123	3123	3123	25.44	-3.675	-0.006	0	-1.485	202.3845	1
3123_3124	3123	3124	144.8925	-1.482	0.0105	0.0855	-1.7145	1006.538	1
3124_3124	3124	3124	29.304	-3.864	-0.0075	-0.0255	-1.557	227.1255	1
3124_3125	3124	3125	137.9205	-24.879	-0.0075	-0.087	-1.7205	978.414	1
3125_3125	3125	3125	33.2685	-3.87	-0.0075	0.033	-1.6425	253.149	1
3125_3126	3125	3126	124.443	-15.4815	-0.0045	0.1035	-1.722	895.107	1
3126_3126	3126	3126	37.1085	-4.245	-0.0045	-0.003	-1.7025	279.192	1
3126_3127	3126	3127	114.66	-17.8425	-0.0075	-0.03	-1.734	831.7035	1
3127_3127	3127	3127	44.0565	-4.1925	-0.003	0.048	-1.584	319.2615	1
3127_3128	3127	3128	103.7415	-11.0025	-0.0075	0.072	-1.581	768.072	1
3128_3128	3128	3128	46.32	-5.1195	-0.015	-0.012	-1.6155	342.318	1
3128_3129	3128	3129	83.5095	-13.008	-0.006	-0.042	-1.575	696.525	1
3129_3129	3129	3129	41.9205	-5.4165	-0.0165	0.183	-2.181	415.653	1
3129_3130	3129	3130	43.815	-3.2085	-0.0075	0.1785	-1.989	575.79	1
3130_3130	3130	3130	38.76	-6.2835	0.0405	0.063	-2.3565	477.8775	1
3130_3131	3130	3131	19.209	1.2015	0.102	0.0315	-0.7605	372.573	1
3131_3131	3131	3131	68.0895	-26.409	-0.0555	-0.1395	1.218	667.695	1
3131_3132	3131	3132	24.0945	-5.571	-0.036	-0.0135	-1.752	299.6925	1
3132_3132	3132	3132	57.0705	37.815	0.153	0.132	-2.5425	522.183	1
3132_3133	3132	3133	97.725	-46.3845	-0.1365	0.333	-1.0605	427.257	1
3133_3133	3133	3133	30.939	22.722	0.1095	0.0855	-1.2615	305.553	1
3133_3134	3133	3134	107.973	-40.1295	-0.129	0.2385	-1.7055	510.5235	1
3134_3134	3134	3134	12.87	16.248	0.0675	-0.183	-0.7485	208.4535	1
3134_3135	3134	3135	113.4645	-33.381	-0.099	-0.369	-2.277	578.946	1
3135_3135	3135	3135	-18.9615	0.519	-0.0795	-0.0975	1.7745	167.2305	1
3135_3136	3135	3136	119.775	-32.67	0.0615	0	-1.674	651.6255	1
3136_3136	3136	3136	-19.3455	0.519	-0.0795	-0.0975	1.14	164.6145	1
3136_3137	3136	3137	121.803	-25.326	0.057	-0.0165	-1.1265	691.9305	1
3137_3137	3137	3137	-18.837	0.492	-0.072	-0.0735	0.465	162.114	1
3137_3138	3137	3138	120.1845	-17.388	0.0495	0.0675	-0.6495	701.496	1
3138_3138	3138	3138	-18.0165	-0.21	-0.0615	-0.09	-0.1545	159.7485	1
3138_3139	3138	3139	120.147	-38.835	-0.006	-0.0465	-0.4515	735.5115	1
3139_3139	3139	3139	-17.8995	-0.21	-0.0615	-0.09	-0.519	160.542	1
3139_3140	3139	3140	122.178	-32.7345	-0.012	-0.0585	-0.501	748.8195	1
3140_3140	3140	3140	-18.3795	-0.2205	-0.054	-0.06	-0.8715	161.3685	1
3140_3141	3140	3141	121.026	-26.8185	-0.0195	0.072	-0.63	737.994	1
3141_3141	3141	3141	-18.8235	-0.228	-0.0615	-0.0915	-1.182	162.21	1
3141_3142	3141	3142	117.8415	-21.3405	-0.0225	-0.072	-0.81	710.0415	1
3142_3142	3142	3142	-18.6975	-0.6945	-0.0615	-0.0825	-1.5555	163.068	1
3142_3143	3142	3143	118.4355	-25.3245	-0.021	-0.0645	-1.062	701.5005	1
3143_3143	3143	3143	-19.3635	-0.7515	-0.057	-0.0585	-2.046	166.7745	1
3143_3144	3143	3144	115.365	-17.9865	-0.0285	0.0285	-1.3875	661.9785	1
3144_3144	3144	3144	-20.754	-0.858	-0.0645	-0.0855	-2.496	170.8005	1
3144_3145	3144	3145	108.222	-11.3745	-0.03	-0.069	-1.752	591.6585	1
3145_3145	3145	3145	-21.501	-1.155	-0.051	-0.0465	-3.012	175.3305	1
3145_3146	3145	3146	102.4245	-11.481	0.0195	0.0135	-1.725	528.639	1
3146_3146	3146	3146	9.2925	-16.1025	-0.0645	-0.051	-1.287	229.098	1
3146_3147	3146	3147	93.1965	-5.4555	0.0135	-0.0705	-1.809	443.541	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3147_3147	3147	3147	27.429	-23.1465	-0.0675	-0.0225	-1.3575	335.1705	1
3147_3148	3147	3148	79.4415	0.5535	-0.0015	-0.042	-2.184	328.4265	1
3148_3148	3148	3148	87.3165	35.3295	-0.012	0.1785	2.589	841.4835	1
3148_3149	3148	3149	13.911	-50.853	-0.003	-0.105	-1.686	452.9745	1
3149_3149	3149	3149	36.762	9.504	0.012	-0.075	-2.82	697.089	1
3149_3150	3149	3150	39.4515	-41.1615	0.009	-0.045	-1.7745	640.3125	1
3150_3150	3150	3150	41.883	8.3265	0.0075	-0.105	-2.6955	597.945	1
3150_3151	3150	3151	69.3315	-36.03	-0.018	-0.081	-2.085	795.006	1
3151_3151	3151	3151	51.3375	7.6215	0.006	-0.0255	-2.106	472.545	1
3151_3152	3151	3152	98.6865	-26.025	-0.0165	-0.0285	-1.959	792.4485	1
3152_3152	3152	3152	49.11	6.6915	0.015	-0.0135	-2.049	409.071	1
3152_3153	3152	3153	110.6535	-30.7005	0.018	-0.006	-1.8315	851.2725	1
3153_3153	3153	3153	48.6525	6.6045	0.012	-0.003	-1.5855	356.058	1
3153_3154	3153	3154	122.982	-18.2535	0.0105	-0.009	-1.38	843.6105	1
3154_3154	3154	3154	39.6255	6.243	0.009	0	-1.4355	302.9295	1
3154_3155	3154	3155	131.8215	-23.079	0.009	-0.027	-1.3005	895.77	1
3155_3155	3155	3155	32.5215	6.243	0.0105	0.015	-1.332	262.6575	1
3155_3156	3155	3156	131.271	-12.726	0.0105	0.021	-1.206	892.0515	1
3156_3156	3156	3156	25.4175	6.15	0.009	0.015	-1.2165	222.387	1
3156_3157	3156	3157	136.407	-18.885	0.003	0.003	-1.182	920.0505	1
3157_3157	3157	3157	19.0515	6.15	0.009	0.015	-1.122	186.2925	1
3157_3158	3157	3158	132.552	-9.4905	0.0015	-0.0015	-1.1775	896.91	1
3158_3158	3158	3158	12.684	6.117	0.0105	0.021	-1.026	150.1995	1
3158_3159	3158	3159	135.9375	-31.602	-0.0045	-0.0045	-1.209	916.887	1
3159_3159	3159	3159	15.912	-5.3655	-0.009	-0.012	-1.0935	166.209	1
3159_3160	3159	3160	130.5645	-22.713	-0.006	-0.0075	-1.2495	887.4315	1
3160_3160	3160	3160	21.474	-5.5305	-0.0105	-0.012	-1.1895	197.7405	1
3160_3161	3160	3161	130.815	-27.3945	-0.012	-0.0285	-1.3605	889.4055	1
3161_3161	3161	3161	27.699	-5.5335	-0.009	0.003	-1.299	233.388	1
3161_3162	3161	3162	121.6695	-17.9565	-0.012	0.018	-1.4535	835.626	1
3162_3162	3162	3162	33.996	-6.0105	-0.0105	0.0075	-1.3965	269.0835	1
3162_3163	3162	3163	116.7585	-19.7625	-0.0165	0.0165	-1.602	800.9895	1
3163_3163	3163	3163	40.3155	-6.1005	-0.0135	0	-1.635	328.089	1
3163_3164	3163	3164	99.5235	-13.0755	-0.021	-0.027	-1.839	766.8675	1
3164_3164	3164	3164	44.1105	-7.0335	-0.0045	0.024	-1.7415	360.2625	1
3164_3165	3164	3165	81.081	-14.124	0.0165	0.027	-1.5675	707.7915	1
3165_3165	3165	3165	42.684	-7.6395	-0.006	0.072	-1.974	438.72	1
3165_3166	3165	3166	44.0055	-4.5945	0.0135	0.0465	-1.4685	588.666	1
3166_3166	3166	3166	40.6095	-8.868	-0.009	0.0525	-2.052	519.324	1
3166_3167	3166	3167	18.612	-0.561	0.0015	0.0285	-1.3995	406.0035	1
3167_3167	3167	3167	36.237	-9.6165	-0.009	0.1395	-2.136	611.793	1
3167_3168	3167	3168	35.6625	-4.131	0.0015	-0.042	-0.144	273.2205	1
3168_3168	3168	3168	62.9475	36.132	0.0525	-0.0105	-1.1115	509.976	1
3168_3169	3168	3169	96.93	-45.594	0.0015	-0.0165	-1.539	429.8115	1
3169_3169	3169	3169	34.005	24	0.0435	0.03	-0.8745	318.15	1
3169_3170	3169	3170	108.012	-39.663	-0.009	0.0375	-1.1145	507.903	1
3170_3170	3170	3170	12.7755	17.2815	0.0435	0.036	-0.8085	220.296	1
3170_3171	3170	3171	114.6945	-33.2385	-0.0165	0.03	-1.1025	571.2645	1
3171_3171	3171	3171	-6.774	11.9595	0.0255	0.0435	-0.8025	155.0955	1
3171_3172	3171	3172	122.634	-33.12	0.0165	0.0225	-0.87	640.899	1
3172_3172	3172	3172	-4.092	1.2795	-0.042	-0.0585	0.852	139.3695	1
3172_3173	3172	3173	126.4875	-25.9965	0.012	0.0165	-0.6825	682.5375	1
3173_3173	3173	3173	-5.0955	1.2795	-0.042	-0.0585	0.5205	133.143	1
3173_3174	3173	3174	126.618	-18.288	0.009	0.009	-0.5445	695.847	1
3174_3174	3174	3174	-18.084	-0.102	0.0465	0.075	-0.8415	127.74	1
3174_3175	3174	3175	130.023	-23.8275	0.012	0.084	-0.4275	723.5145	1
3175_3175	3175	3175	-18.024	-0.102	0.042	0.0525	-0.564	128.1135	1
3175_3176	3175	3176	131.2965	-18.0405	0.009	-0.0555	-0.3525	735.0195	1
3176_3176	3176	3176	-17.9625	-0.102	0.0465	0.075	-0.3165	128.4855	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3176_3177	3176	3177	129.243	-12.0765	0.003	0.0705	-0.3375	723.6765	1
3177_3177	3177	3177	-15.8955	-0.1275	0.0405	0.051	-0.0765	128.8635	1
3177_3178	3177	3178	129.0405	-21.75	-0.0165	-0.081	-0.549	695.4195	1
3178_3178	3178	3178	-15.8205	-1.0785	0.036	0.0555	0.165	129.327	1
3178_3179	3178	3179	129.7455	-24.945	-0.012	-0.045	-0.6825	682.329	1
3179_3179	3179	3179	-16.962	-1.125	0.0375	0.0555	0.5055	134.706	1
3179_3180	3179	3180	126.7185	-17.8395	-0.015	-0.0555	-0.8565	641.0385	1
3180_3180	3180	3180	-16.08	-1.125	0.0405	0.075	0.7995	140.1795	1
3180_3181	3180	3181	119.5605	-11.4345	-0.021	0.012	-1.0905	571.7025	1
3181_3181	3181	3181	-1.9965	-11.442	-0.042	-0.0465	-0.7875	150.5655	1
3181_3182	3181	3182	113.559	-11.226	0.0105	-0.0675	-1.086	508.347	1
3182_3182	3182	3182	16.1535	-17.3685	-0.0405	-0.009	-0.795	216.849	1
3182_3183	3182	3183	104.1735	-5.4675	0	-0.0045	-1.2	425.4855	1
3183_3183	3183	3183	34.704	-24.147	-0.048	-0.0285	-0.951	323.142	1
3183_3184	3183	3184	91.3755	0.291	-0.009	-0.0345	-1.65	310.5585	1
3184_3184	3184	3184	89.2305	40.1415	-0.0075	0.1425	1.794	915.597	1
3184_3185	3184	3185	17.67	-52.608	-0.0045	-0.087	-1.2315	381.792	1
3185_3185	3185	3185	76.68	29.9565	0	0.0615	1.5825	601.5315	1
3185_3186	3185	3186	46.6455	-43.509	0.0045	-0.0405	-1.3215	573.927	1
3186_3186	3186	3186	45.6435	6.39	0.0015	-0.0825	-1.854	485.385	1
3186_3187	3186	3187	81.648	-38.178	-0.0225	-0.0735	-1.65	739.7415	1
3187_3187	3187	3187	51.921	6.024	0.0015	-0.021	-1.677	399.606	1
3187_3188	3187	3188	111	-28.509	-0.0225	-0.027	-1.7895	784.503	1
3188_3188	3188	3188	50.3145	5.2605	0.009	-0.018	-1.68	348.945	1
3188_3189	3188	3189	126.078	-32.0535	0.0105	-0.012	-1.7295	855.5535	1
3189_3189	3189	3189	48.0825	5.3295	0.0075	-0.006	-1.461	325.8585	1
3189_3190	3189	3190	137.8785	-20.091	0.0045	-0.015	-1.5375	926.535	1
3190_3190	3190	3190	40.662	4.926	0.006	0.0015	-1.3605	281.481	1
3190_3191	3190	3191	149.2755	-23.9235	0.0045	-0.0075	-1.5255	994.539	1
3191_3191	3191	3191	35.3775	4.9155	0.006	0.0015	-1.299	248.6805	1
3191_3192	3191	3192	151.6395	-13.95	0.0015	-0.015	-1.5435	1006.841	1
3192_3192	3192	3192	29.9625	4.755	0.0075	0.0135	-1.23	215.904	1
3192_3193	3192	3193	158.9115	-36.267	-0.0045	-0.0165	-1.6095	1045.098	1
3193_3193	3193	3193	25.068	4.755	0.0075	0.0135	-1.1595	186.8715	1
3193_3194	3193	3194	157.221	-27.5265	-0.0075	-0.0225	-1.668	1035.294	1
3194_3194	3194	3194	26.4975	-6.0225	-0.0135	-0.021	-1.4445	192.237	1
3194_3195	3194	3195	161.217	-32.5455	-0.012	-0.0135	-1.7745	1059.866	1
3195_3195	3195	3195	32.697	-6.0225	-0.0135	-0.021	-1.587	229.0125	1
3195_3196	3195	3196	156.585	-23.985	-0.0135	-0.018	-1.896	1033.199	1
3196_3196	3196	3196	38.8995	-6.264	-0.0165	0.003	-1.7295	265.794	1
3196_3197	3196	3197	156.5445	-27.903	-0.018	0.027	-2.061	1033.403	1
3197_3197	3197	3197	45.5895	-6.2865	-0.0165	-0.0165	-1.89	307.551	1
3197_3198	3197	3198	147.5025	-18.864	-0.021	-0.0375	-2.247	978.198	1
3198_3198	3198	3198	52.659	-6.909	-0.0165	0.003	-2.067	349.485	1
3198_3199	3198	3199	141.129	-19.929	-0.018	-0.0045	-2.3685	934.8885	1
3199_3199	3199	3199	60.6645	-6.822	-0.0165	0.039	-2.3985	397.5105	1
3199_3200	3199	3200	124.3815	-13.335	-0.0195	0.036	-2.58	851.6475	1
3200_3200	3200	3200	64.8855	-7.5405	-0.0105	0.0195	-2.5365	433.1355	1
3200_3201	3200	3201	102.3375	-13.305	0.012	0.0105	-2.2935	782.829	1
3201_3201	3201	3201	61.1685	-7.731	-0.015	0.183	-4.065	531.387	1
3201_3202	3201	3202	58.6995	-4.272	0.015	0.1485	-3.006	676.95	1
3202_3202	3202	3202	57.7515	-8.739	-0.0165	0.126	-4.1865	617.2305	1
3202_3203	3202	3203	30.4995	-0.198	-0.006	0.0825	-2.82	483.549	1
3203_3203	3203	3203	52.419	-9.096	-0.0165	0.2835	-4.386	712.203	1
3203_3204	3203	3204	19.659	-2.1435	-0.012	0.126	-2.055	289.908	1
3204_3204	3204	3204	65.0025	34.8735	0.063	0.0555	-1.887	548.328	1
3204_3205	3204	3205	107.853	-44.283	0.0315	0.081	-3.441	492.8085	1
3205_3205	3205	3205	36.171	23.7735	0.0615	-0.003	-2.0295	363.225	1
3205_3206	3205	3206	117.18	-38.859	0.0195	-0.006	-2.4345	578.829	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3206_3206	3206	3206	13.689	16.833	0.0705	0.045	-2.229	261.3435	1
3206_3207	3206	3207	122.577	-32.976	0.0045	0.06	-2.0775	640.209	1
3207_3207	3207	3207	-5.3385	11.8905	0.072	0.075	-2.289	192.6825	1
3207_3208	3207	3208	128.973	-32.427	0.033	0.0165	-1.5495	706.7205	1
3208_3208	3208	3208	-19.5195	2.196	0.1005	0.1005	-3.0435	166.254	1
3208_3209	3208	3209	131.958	-25.8255	0.024	-0.003	-1.146	747.9	1
3209_3209	3209	3209	-17.289	1.812	0.1035	0.1215	-2.2995	156.501	1
3209_3210	3209	3210	131.9505	-18.66	0.0135	0.0795	-0.8805	764.001	1
3210_3210	3210	3210	-16.248	0.966	0.0945	0.105	-1.5	147.7125	1
3210_3211	3210	3211	133.317	-39.5175	-0.009	-0.0495	-0.4995	790.425	1
3211_3211	3211	3211	-12.876	-1.2675	-0.108	-0.1215	0.1545	150.7665	1
3211_3212	3211	3212	135.8385	-33.9105	-0.0165	-0.0645	-0.5445	802.7655	1
3212_3212	3212	3212	-12.1605	-1.2675	-0.102	-0.093	-0.4935	155.5035	1
3212_3213	3212	3213	135.4455	-28.458	-0.027	0.06	-0.6975	793.416	1
3213_3213	3213	3213	-11.442	-1.2675	-0.108	-0.1215	-1.107	160.239	1
3213_3214	3213	3214	133.227	-23.37	-0.033	-0.084	-0.93	768.87	1
3214_3214	3214	3214	-12.4245	-1.959	-0.1005	-0.096	-1.7355	165.1725	1
3214_3215	3214	3215	133.698	-25.4865	-0.0225	0.0315	-1.1925	754.74	1
3215_3215	3215	3215	-12.486	-2.0685	-0.1065	-0.12	-2.523	175.0215	1
3215_3216	3215	3216	131.154	-18.8775	-0.0285	-0.0765	-1.563	715.3785	1
3216_3216	3216	3216	-11.6385	-2.118	-0.1065	-0.12	-3.3645	185.541	1
3216_3217	3216	3217	125.139	-12.9	-0.0375	-0.0825	-2.058	650.442	1
3217_3217	3217	3217	-5.9085	-10.137	-0.0855	-0.0855	-2.5995	201.243	1
3217_3218	3217	3218	119.979	-12.3315	-0.0135	-0.0495	-2.3895	589.74	1
3218_3218	3218	3218	14.736	-16.317	-0.0825	-0.1125	-2.403	266.2485	1
3218_3219	3218	3219	111.99	-7.011	-0.024	-0.15	-2.8635	511.6035	1
3219_3219	3219	3219	36.0435	-23.811	-0.0705	0.0525	-2.2725	365.793	1
3219_3220	3219	3220	100.7835	-1.608	-0.0525	0.033	-3.846	392.805	1
3220_3220	3220	3220	84.3165	43.0335	-0.015	0.18	3.876	867.3825	1
3220_3221	3220	3221	29.1615	-52.146	0.006	-0.3045	-2.412	493.608	1
3221_3221	3221	3221	59.262	8.913	0.021	0.018	-4.239	737.7855	1
3221_3222	3221	3222	60.2745	-43.806	0.024	-0.036	-2.49	688.866	1
3222_3222	3222	3222	65.4225	7.971	0.021	-0.3705	-4.0215	642.1275	1
3222_3223	3222	3223	97.3575	-38.805	-0.024	-0.468	-2.9505	859.5615	1
3223_3223	3223	3223	75.303	7.779	0.015	0.096	-2.4585	519.6855	1
3223_3224	3223	3224	134.385	-29.802	-0.012	0.1245	-2.2125	886.8015	1
3224_3224	3224	3224	73.0395	6.984	0.0075	-0.159	-2.289	454.9245	1
3224_3225	3224	3225	151.0965	-32.637	0.0045	-0.312	-2.2185	962.9235	1
3225_3225	3225	3225	65.5755	7.2015	0.0105	0.069	-2.3445	443.997	1
3225_3226	3225	3226	155.217	-19.683	0.006	0.1305	-2.34	1102.185	1
3226_3226	3226	3226	54.522	6.741	0.0135	-0.0795	-2.19	373.419	1
3226_3227	3226	3227	166.713	-40.9635	0.0015	-0.354	-2.3505	1177.092	1
3227_3227	3227	3227	46.9965	6.7215	0.015	0.0825	-2.028	323.3145	1
3227_3228	3227	3228	168.063	-12.0495	0.009	0.231	-2.235	1186.209	1
3228_3228	3228	3228	39.165	6.522	0.012	-0.024	-1.842	273.2955	1
3228_3229	3228	3229	173.5875	-34.269	-0.0075	-0.3465	-2.337	1219.92	1
3229_3229	3229	3229	32.2935	-6.4635	-0.012	0.0135	-1.8045	240.8445	1
3229_3230	3229	3230	167.073	-24.615	-0.006	0.192	-2.385	1178.229	1
3230_3230	3230	3230	39.7365	-6.7635	-0.012	-0.1095	-1.9455	288.8715	1
3230_3231	3230	3231	164.7765	-26.997	-0.012	-0.309	-2.493	1162.733	1
3231_3231	3231	3231	47.4285	-6.786	-0.0105	0.0585	-2.0865	339.8985	1
3231_3232	3231	3232	151.746	-17.6385	-0.0105	0.201	-2.553	1077.03	1
3232_3232	3232	3232	55.2645	-7.4415	-0.0075	-0.0885	-2.208	391.0005	1
3232_3233	3232	3233	147.0135	-21.8085	0.0135	-0.153	-2.3745	1043.721	1
3233_3233	3233	3233	60.879	-7.4415	-0.006	-0.057	-2.262	426.8505	1
3233_3234	3233	3234	138.207	-16.203	0.0135	-0.096	-2.1975	983.637	1
3234_3234	3234	3234	66.0525	-7.275	-0.009	0.108	-3.6285	462.1005	1
3234_3235	3234	3235	120.4425	-9.9225	0.0225	0.1725	-3.096	894.5655	1
3235_3235	3235	3235	70.539	-7.914	-0.039	-0.0735	-3.711	504.7515	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3235_3236	3235	3236	108.126	-11.424	-0.108	-0.0915	-3.6285	843.774	1
3236_3236	3236	3236	71.733	-7.842	-0.0375	0.024	-3.879	538.605	1
3236_3237	3236	3237	94.839	-7.8645	-0.105	0.0255	-4.074	788.8035	1
3237_3237	3237	3237	61.05	-8.2065	-0.057	0.459	-6.4065	629.22	1
3237_3238	3237	3238	55.6545	-2.6175	-0.144	0.4665	-7.4445	732.081	1
3238_3238	3238	3238	58.929	-11.535	0.0885	-0.024	-6.9645	697.8855	1
3238_3239	3238	3239	40.887	-10.7775	0.1065	-0.0465	-5.6565	652.6725	1
3239_3239	3239	3239	56.52	-11.7105	0.0915	0.465	-6.0255	797.0115	1
3239_3240	3239	3240	23.7765	-3.6585	0.0915	0.2865	-3.9615	507.6165	1
3240_3240	3240	3240	52.488	-17.802	-0.1065	0.705	-4.923	906.459	1
3240_3241	3240	3241	20.3385	-18.2745	0.0525	0.042	-3.2745	471.756	1
3241_3241	3241	3241	37.146	22.4865	-0.0435	-0.2175	-2.0355	529.7325	1
3241_3242	3241	3242	126.3555	-29.946	-0.03	0.003	-6.54	680.181	1
3242_3242	3242	3242	15.747	17.217	-0.039	0.0765	-3.747	395.2605	1
3242_3243	3242	3243	125.139	-23.7465	-0.0525	0.3885	-5.877	688.26	1
3243_3243	3243	3243	0.2985	16.8075	0.135	0.0435	-4.875	312.03	1
3243_3244	3243	3244	132.5205	-34.854	0.192	-0.1125	-3.411	781.641	1
3244_3244	3244	3244	-28.59	4.773	0.213	0.1935	-6.558	239.607	1
3244_3245	3244	3245	136.542	-27.3675	0.1575	0.1365	-1.254	847.3875	1
3245_3245	3245	3245	-25.2285	1.917	0.156	0.117	-5.103	220.263	1
3245_3246	3245	3246	140.382	-23.9685	0.024	-0.3	-0.675	903.717	1
3246_3246	3246	3246	-21.837	1.4235	0.183	0.2685	-3.69	209.1165	1
3246_3247	3246	3247	140.025	-15.7185	-0.0075	0.285	-0.612	917.7675	1
3247_3247	3247	3247	-21.702	0.759	0.12	0.144	-1.9545	199.974	1
3247_3248	3247	3248	139.578	-13.8465	0.063	-0.2805	-0.0105	922.7115	1
3248_3248	3248	3248	-16.098	-1.3185	-0.12	-0.156	-2.322	202.3575	1
3248_3249	3248	3249	138.144	-23.214	0.0165	0.105	0.171	876.717	1
3249_3249	3249	3249	-17.145	-1.9455	-0.0705	-0.264	-3.528	212.316	1
3249_3250	3249	3250	134.6685	-19.641	-0.057	-0.297	-0.549	818.3025	1
3250_3250	3250	3250	-19.5315	-2.382	-0.054	-0.1455	-4.1595	226.9005	1
3250_3251	3250	3251	128.5965	-13.1355	-0.069	0.054	-1.2915	734.865	1
3251_3251	3251	3251	-22.08	-5.571	-0.33	-0.3	-4.41	244.056	1
3251_3252	3251	3252	133.11	-24.8025	-0.3135	-0.4425	-3.9195	735.4575	1
3252_3252	3252	3252	-3.4065	-12.009	-0.21	-0.075	-4.7145	301.767	1
3252_3253	3252	3253	132.6495	-18.0015	-0.3825	-0.0585	-7.4895	697.7145	1
3253_3253	3253	3253	14.679	-15.657	-0.144	0.033	-4.641	379.2015	1
3253_3254	3253	3254	129.645	-12.372	-0.4065	0.0405	-10.743	634.1445	1
3254_3254	3254	3254	31.8135	-18.231	0.0615	1.0095	-4.131	469.4595	1
3254_3255	3254	3255	132.1635	-27.6855	0.3645	0.648	-9.8565	642.531	1
3255_3255	3255	3255	52.8075	11.781	0.351	-0.9345	-7.5345	980.544	1
3255_3256	3255	3256	30.903	-41.637	0.3795	-0.4275	-2.454	609.8925	1
3256_3256	3256	3256	59.04	11.577	0.354	-0.138	-3.993	873.345	1
3256_3257	3256	3257	44.0715	-36.4425	0.4305	0.009	0.8475	680.5845	1
3257_3257	3257	3257	62.784	8.8665	-0.1665	-0.471	-1.1475	793.5975	1
3257_3258	3257	3258	67.77	-46.065	-0.1875	-0.459	-0.7725	834.291	1
3258_3258	3258	3258	66.87	8.8485	-0.165	-0.147	-2.8125	717.2505	1
3258_3259	3258	3259	89.754	-40.6125	-0.186	-0.189	-2.268	944.268	1
3259_3259	3259	3259	79.8345	8.43	-0.102	0.1425	-2.682	593.4375	1
3259_3260	3259	3260	114.972	-38.7195	-0.114	0.177	-1.797	882.8745	1
3260_3260	3260	3260	79.5195	7.7265	0.006	-0.216	-2.991	572.481	1
3260_3261	3260	3261	135.0315	-38.397	-0.051	-0.2955	-2.136	962.4015	1
3261_3261	3261	3261	78.1035	8.0745	0.0075	-0.072	-2.9505	529.7235	1
3261_3262	3261	3262	152.637	-31.3935	-0.0555	-0.1215	-2.718	1044.482	1
3262_3262	3262	3262	75.5595	8.217	0.0075	0.1005	-2.151	449.5905	1
3262_3263	3262	3263	165.033	-25.323	-0.0405	0.1845	-2.379	1020.626	1
3263_3263	3263	3263	69.1935	7.4475	0.003	-0.075	-2.094	413.667	1
3263_3264	3263	3264	178.557	-26.1	0	-0.1875	-2.4525	1101.881	1
3264_3264	3264	3264	60.7155	7.4475	0.0045	0.012	-2.052	365.829	1
3264_3265	3264	3265	183.4245	-36.7305	-0.012	0.0105	-2.6415	1136.132	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3265_3265	3265	3265	51.975	7.0695	0.006	-0.051	-2.0025	315.804	1
3265_3266	3265	3266	192.1395	-38.1315	-0.009	-0.2595	-2.6955	1186.722	1
3266_3266	3266	3266	43.734	7.065	0.0075	0.042	-1.9275	268.9935	1
3266_3267	3266	3267	190.1805	-29.3745	-0.0075	0.108	-2.7495	1177.053	1
3267_3267	3267	3267	35.8965	6.8235	0.006	-0.0075	-1.8405	222.9435	1
3267_3268	3267	3268	190.458	-30.945	-0.018	-0.1905	-2.913	1179.821	1
3268_3268	3268	3268	36.0615	-6.588	-0.015	-0.0015	-2.067	254.832	1
3268_3269	3268	3269	180.312	-22.353	-0.018	0.078	-3.057	1123.19	1
3269_3269	3269	3269	43.68	-6.969	-0.0195	-0.084	-2.238	297.828	1
3269_3270	3269	3270	171.981	-22.521	-0.0015	-0.195	-2.97	1075.305	1
3270_3270	3270	3270	52.059	-6.9915	-0.0165	0.0375	-2.457	346.407	1
3270_3271	3270	3271	154.6875	-14.175	0.003	0.138	-2.778	974.784	1
3271_3271	3271	3271	60.6075	-7.542	0.0165	-0.144	-2.6535	394.6245	1
3271_3272	3271	3272	145.7115	-15.4965	-0.0255	-0.2145	-2.8395	921.4125	1
3272_3272	3272	3272	61.5225	-7.4835	0.0255	-0.0195	-3.405	462.6915	1
3272_3273	3272	3273	117.2925	-9.342	-0.0255	-0.0045	-3.816	904.23	1
3273_3273	3273	3273	66.0915	-7.365	0.027	0.222	-3.141	509.6985	1
3273_3274	3273	3274	95.061	-4.5765	-0.015	0.3315	-3.6615	802.9335	1
3274_3274	3274	3274	67.3245	-10.359	0.1245	-0.15	-2.9265	554.838	1
3274_3275	3274	3275	92.526	-20.487	0.1455	-0.156	-3.234	798.3165	1
3275_3275	3275	3275	58.6755	-10.713	0.198	-0.06	-4.161	627.2145	1
3275_3276	3275	3276	65.5215	-14.6235	0.21	-0.078	-2.6655	826.08	1
3276_3276	3276	3276	58.1835	-10.9605	0.1995	0.339	-2.415	701.829	1
3276_3277	3276	3277	48.912	-8.79	0.1965	0.309	-0.489	738.7095	1
3277_3277	3277	3277	56.0565	-14.7915	-0.297	0.3765	-0.681	781.563	1
3277_3278	3277	3278	35.8965	-13.92	-0.147	0.6165	-1.662	670.5105	1
3278_3278	3278	3278	53.502	-15.3915	-0.2865	0.9555	-3.672	908.0835	1
3278_3279	3278	3279	22.425	-7.7955	-0.1335	0.9	-2.517	554.6985	1
3279_3279	3279	3279	29.1615	18.2295	-0.024	-0.219	-2.649	501.123	1
3279_3280	3279	3280	135.7305	-24.258	0.084	-2.3535	-4.0215	725.2845	1
3280_3280	3280	3280	20.898	17.2635	0.0195	-0.177	-3.0705	453.1095	1
3280_3281	3280	3281	138.162	-33.3405	0.018	-0.3735	-3.4365	764.928	1
3281_3281	3281	3281	9.8235	14.4255	0.036	0.0375	-3.279	374.5545	1
3281_3282	3281	3282	139.0725	-25.935	-0.015	-0.0015	-2.664	782.97	1
3282_3282	3282	3282	-8.985	11.469	0.063	0.192	-3.771	293.157	1
3282_3283	3282	3283	134.175	-19.2135	-0.0375	0.321	-2.5935	770.718	1
3283_3283	3283	3283	-36.5325	10.026	0.564	-0.0015	-11.7615	292.848	1
3283_3284	3283	3284	115.623	-20.796	0.339	-0.4035	-1.875	867.9675	1
3284_3284	3284	3284	-43.293	5.3775	0.8115	0.261	-6.3765	231.639	1
3284_3285	3284	3285	108.141	-10.1415	0.189	0.4095	0.9855	821.3175	1
3285_3285	3285	3285	-42.339	3.468	-0.0885	0.0795	3.198	187.896	1
3285_3286	3285	3286	112.0245	-33.0645	-0.0165	-0.5055	-0.936	846.7365	1
3286_3286	3286	3286	-29.7645	-2.5605	0.027	-0.0495	-4.071	208.4595	1
3286_3287	3286	3287	112.212	-23.754	-0.0585	0.327	-1.803	812.7165	1
3287_3287	3287	3287	-30.18	-4.428	-0.2835	-0.282	-3.726	228.8715	1
3287_3288	3287	3288	119.8605	-28.431	-0.084	-0.453	-2.832	837.9015	1
3288_3288	3288	3288	-31.6095	-5.3655	-0.237	-0.0315	-6.846	269.199	1
3288_3289	3288	3289	122.811	-19.5315	-0.177	0.207	-5.2125	802.983	1
3289_3289	3289	3289	-26.751	-10.038	-0.084	-0.3795	-7.8195	320.424	1
3289_3290	3289	3290	129.663	-26.595	-0.012	-0.5355	-5.9265	822.8505	1
3290_3290	3290	3290	-11.478	-12.258	-0.06	-0.1275	-6.9825	389.7315	1
3290_3291	3290	3291	132.585	-20.349	-0.0855	-0.111	-7.353	805.8795	1
3291_3291	3291	3291	0.9705	-14.646	-0.0495	0.1575	-6.384	474.837	1
3291_3292	3291	3292	133.344	-14.772	-0.1605	0.2595	-9.708	777.483	1
3292_3292	3292	3292	14.904	-18.081	0.129	0.657	-5.829	565.1595	1
3292_3293	3292	3293	135.6105	-26.205	0.3975	-0.9225	-9.0585	786.7245	1
3293_3293	3293	3293	49.6005	12.8445	0.057	-0.87	-5.247	1196.301	1
3293_3294	3293	3294	30.594	-41.844	0.1125	-0.3795	-2.8815	758.7825	1
3294_3294	3294	3294	53.931	12.654	0.054	0.609	-5.055	1096.922	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3294_3295	3294	3295	46.527	-35.2545	0.2295	0.5145	-1.05	892.3005	1
3295_3295	3295	3295	56.784	9.357	0.087	-0.96	-4.3995	987.141	1
3295_3296	3295	3296	67.7325	-62.8005	-0.045	-1.0695	0.0885	1111.143	1
3296_3296	3296	3296	59.4135	9.3945	0.09	0.162	-3.5415	897.1935	1
3296_3297	3296	3297	84.5415	-56.1	-0.0405	0.0885	-0.4755	1248.774	1
3297_3297	3297	3297	68.94	9.204	0.063	0.5175	-1.9305	770.307	1
3297_3298	3297	3298	107.1555	-52.2705	-0.0255	0.6	-0.5355	1207.562	1
3298_3298	3298	3298	67.4205	7.335	-0.042	-0.315	-1.641	740.745	1
3298_3299	3298	3299	121.6125	-56.181	-0.084	-0.549	-1.392	1346.837	1
3299_3299	3299	3299	63.96	7.374	-0.0405	-0.0345	-1.9845	698.0805	1
3299_3300	3299	3300	130.8375	-50.136	-0.075	-0.054	-2.091	1443.648	1
3300_3300	3300	3300	51.78	7.434	-0.0615	0.333	-3.501	708.654	1
3300_3301	3300	3301	117.3645	-44.97	-0.099	0.666	-3.9825	1622.561	1
3301_3301	3301	3301	48.984	6.177	0.0555	-0.426	-3.9705	669.9855	1
3301_3302	3301	3302	129.4335	-47.8725	0.0825	-1.11	-2.8725	1782.711	1
3302_3302	3302	3302	44.8845	6.1605	0.057	0.258	-3.3045	615.0105	1
3302_3303	3302	3303	134.607	-38.4255	0.081	0.705	-1.7895	1851.107	1
3303_3303	3303	3303	40.725	5.4495	0.027	-0.243	-2.604	559.6845	1
3303_3304	3303	3304	142.2825	-42.267	0.0255	-0.9015	-1.404	1952.85	1
3304_3304	3304	3304	36.852	5.4495	0.0285	0.2055	-2.2545	508.1535	1
3304_3305	3304	3305	142.7235	-33.651	0.0285	0.6795	-0.993	1958.469	1
3305_3305	3305	3305	33.549	4.9995	0.0315	-0.192	-1.944	462.3375	1
3305_3306	3305	3306	147.4215	-16.608	0.0345	-1.032	-0.5985	2021.193	1
3306_3306	3306	3306	29.883	4.9995	0.033	0.2565	-1.5285	413.577	1
3306_3307	3306	3307	145.2555	-8.1375	0.0405	1.086	-0.0825	1992.15	1
3307_3307	3307	3307	26.8275	4.7985	0.045	-0.102	-1.1655	372.903	1
3307_3308	3307	3308	146.823	-13.8285	0.0315	-0.9555	0.4155	2012.751	1
3308_3308	3308	3308	23.523	4.794	0.0465	0.219	-0.597	328.491	1
3308_3309	3308	3309	141.438	-4.8465	0.0345	0.939	0.888	1940.684	1
3309_3309	3309	3309	20.4165	4.7505	0.0435	-0.021	-0.0495	287.1525	1
3309_3310	3309	3310	139.4295	-10.839	0.045	-0.8355	1.446	1913.073	1
3310_3310	3310	3310	17.295	4.7505	0.045	0.189	0.4695	245.604	1
3310_3311	3310	3311	129.3675	-0.8385	0.0525	0.72	2.1585	1777.323	1
3311_3311	3311	3311	14.031	4.914	0.1275	0.039	1.026	202.149	1
3311_3312	3311	3312	120.1515	-4.119	-0.0255	-0.702	1.9305	1651.473	1
3312_3312	3312	3312	10.7355	4.914	0.1275	0.1845	2.5635	158.307	1
3312_3313	3312	3313	100.4355	7.2255	-0.054	0.705	0.8325	1383.899	1
3313_3313	3313	3313	7.602	4.875	-0.1455	0.0705	4.155	114.4665	1
3313_3314	3313	3314	74.958	16.1355	0.1095	-0.3045	1.932	1041.149	1
3314_3314	3314	3314	4.575	4.764	-0.129	0.1425	2.541	69.1395	1
3314_3315	3314	3315	34.5675	30.678	0.1095	0.669	2.688	492.9045	1
3315_3315	3315	3315	2.7285	4.0455	-0.2835	0.15	2.3235	26.991	1
3315_3316	3315	3316	2.703	-4.428	-0.0855	-0.3495	0	10.5885	1
3400_3020	3400	3020	47.625	1.6005	-1.752	-0.066	41.802	194.178	1
3400_3401	3400	3401	-37.479	24.5565	3.501	-0.048	18.666	542.4825	1
3401_3401	3401	3401	50.7435	1.494	-2.3865	0.339	35.019	188.1585	1
3401_3402	3401	3402	-37.6365	20.4765	-1.0605	-0.336	14.1465	471.099	1
3402_3402	3402	3402	53.424	2.583	-2.541	0.0255	27.5325	183.0255	1
3402_3403	3402	3403	-34.851	19.464	-0.876	0.174	3.3765	258.4815	1
3403_3403	3403	3403	60.807	3.948	0.0045	0.0825	0.438	155.9715	1
3403_3404	3403	3404	-34.746	15.1755	-0.153	0.0315	2.3355	149.166	1
3404_3404	3404	3404	65.9685	5.0385	-0.057	0.174	0.621	128.4045	1
3404_3405	3404	3405	-37.9155	14.2365	-0.129	0.1035	1.5105	45.96	1
3405_3405	3405	3405	75.003	6.312	-0.1065	0.1335	0.705	94.593	1
3405_3406	3405	3406	-43.296	-6.7935	0.075	-0.12	0.654	25.1145	1
3406_3406	3406	3406	30.417	-8.022	0.117	-0.1185	-0.0375	140.8605	1
3406_3407	3406	3407	-58.4205	-9.6195	-1.0845	-0.2775	-9.2445	107.4345	1
3407_3407	3407	3407	29.0505	-8.706	-0.0735	0.255	-0.039	218.202	1
3407_3408	3407	3408	-61.092	-11.007	-0.9495	0.1065	-14.334	168.3255	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3408_3408	3408	3408	26.808	-14.775	0.1095	-0.093	-1.287	266.877	1
3408_3409	3408	3409	-61.7355	1.8825	2.7615	-0.7995	-7.434	161.8095	1
3409_3409	3409	3409	26.7615	14.6415	0.081	0.09	-0.9555	311.4375	1
3409_3410	3409	3410	-64.7955	-3.2025	2.694	0.6375	1.182	171.1935	1
3410_3410	3410	3410	29.091	8.709	0.0645	-0.336	-0.3795	267.114	1
3410_3411	3410	3411	-64.0215	10.389	-0.0585	-0.3015	-0.0855	112.6245	1
3411_3411	3411	3411	29.1075	9.0195	-0.051	0.189	0.1815	219.906	1
3411_3412	3411	3412	-53.3295	8.202	0.2865	0.0015	0.75	34.6035	1
3412_3412	3412	3412	31.251	8.892	0	-0.021	-0.597	144.3855	1
3412_3413	3412	3413	-38.2035	-10.419	0.12	-0.0645	1.707	44.277	1
3413_3413	3413	3413	74.1435	-1.3545	0.1155	-0.2025	0.147	84.564	1
3413_3414	3413	3414	-34.464	-14.0385	0.075	-0.18	2.0835	145.122	1
3414_3414	3414	3414	82.6905	-2.9865	-0.036	0.2325	-0.1635	108.5145	1
3414_3415	3414	3415	-34.128	-14.8335	0.135	0.0705	2.9535	252.039	1
3415_3415	3415	3415	85.7235	-1.302	-3.3585	-0.1095	-0.081	130.7475	1
3415_3416	3415	3416	-35.0925	-19.155	0.8565	-0.006	12.4215	460.9785	1
3416_3416	3416	3416	78.351	0.204	-3.3105	0.789	-35.697	147.114	1
3416_3417	3416	3417	-34.6275	-19.9815	0.867	-0.144	15.3945	530.586	1
3417_3417	3417	3417	78.543	0.3315	-0.807	-0.1005	-48.729	146.3955	1
3417_3036	3417	3036	-34.5315	-23.9655	-3.846	0.054	0.039	628.8855	1
3420_3056	3420	3056	45.198	0.2145	-1.2765	-0.0675	34.0245	131.331	1
3420_3421	3420	3421	-35.7315	22.5375	4.2495	-0.039	14.478	478.1775	1
3421_3421	3421	3421	46.5075	0.2205	-2.109	0.4185	28.356	130.4685	1
3421_3422	3421	3422	-35.895	18.654	-0.87	0.0615	10.608	413.1405	1
3422_3422	3422	3422	47.55	1.275	-2.166	-0.009	21.357	129.9015	1
3422_3423	3422	3423	-35.4885	17.7555	-0.8205	0.0375	1.3785	218.9685	1
3423_3423	3423	3423	54.81	2.481	0.171	0.0585	-1.887	118.023	1
3423_3424	3423	3424	-35.259	13.4625	-0.0525	0.0075	1.0095	122.0085	1
3424_3424	3424	3424	60.12	3.456	0.1125	0.1755	-0.591	101.5245	1
3424_3425	3424	3425	-36.2685	12.6225	-0.0195	0.1095	0.9075	30.7905	1
3425_3425	3425	3425	69.36	4.6335	-0.1425	0.123	0.6435	79.5495	1
3425_3426	3425	3426	-51.4965	-5.0835	0	0.093	0.81	23.4915	1
3426_3426	3426	3426	32.3325	-6.9435	0.0225	-0.027	-0.0735	126.213	1
3426_3427	3426	3427	-60.8685	-7.581	-0.222	0.0885	-1.2075	87.7845	1
3427_3427	3427	3427	31.029	-7.0785	-0.0825	0.084	-0.4785	192.033	1
3427_3428	3427	3428	-63.558	-8.9895	-0.1245	0.1665	-1.443	137.283	1
3428_3428	3428	3428	28.989	-13.608	-0.0585	-0.108	-1.1205	232.191	1
3428_3429	3428	3429	-58.3275	3.621	-1.8435	-0.7695	-7.4085	125.85	1
3429_3429	3429	3429	28.9995	13.653	-0.0735	0.1185	-1.2915	273.5175	1
3429_3430	3429	3430	-60.8265	-3.246	-2.649	0.8565	-14.9295	135.195	1
3430_3430	3430	3430	31.011	7.2075	0.0675	0.144	-1.5765	232.368	1
3430_3431	3430	3431	-55.1565	9.1245	1.113	0.087	-8.1255	84.0735	1
3431_3431	3431	3431	30.897	7.698	0.072	-0.0795	-0.8535	192.3735	1
3431_3432	3431	3432	-45.072	6.225	0.315	-0.1155	0.6075	21.75	1
3432_3432	3432	3432	31.2015	8.262	0.027	-0.006	-0.576	126.5775	1
3432_3433	3432	3433	-36.9165	-9.3795	0.054	-0.057	0.7065	29.994	1
3433_3433	3433	3433	69.5385	-2.559	-0.1845	-0.0795	0.18	80.5635	1
3433_3434	3433	3434	-35.7825	-12.5985	0.0465	0.0105	0.9525	120.7395	1
3434_3434	3434	3434	62.2005	-2.208	-0.126	-0.156	-1.158	104.4945	1
3434_3435	3434	3435	-35.4795	-13.428	0.0165	-0.129	1.11	217.5405	1
3435_3435	3435	3435	53.688	-1.191	2.475	-0.018	-2.583	122.496	1
3435_3436	3435	3436	-36.5955	-17.769	0.912	-0.162	10.9515	411.363	1
3436_3436	3436	3436	48.39	-0.315	2.2545	-0.3315	22.9905	137.0745	1
3436_3437	3436	3437	-36.1485	-18.6585	0.9705	0.339	14.13	476.5485	1
3437_3437	3437	3437	45.5775	-0.4155	0.9945	0.078	30.8715	138.306	1
3437_3072	3437	3072	-39.3165	-22.791	-3.96	0.072	0.3615	568.752	1
3440_3094	3440	3094	42.273	0.387	-1.335	-0.066	26.4285	129.1335	1
3440_3441	3440	3441	-35.943	22.1925	4.4325	-0.0375	12.324	461.748	1
3441_3441	3441	3441	43.257	0.396	-1.578	0.3795	20.577	127.7685	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3441_3442	3441	3442	-36.0795	18.249	-0.7545	0.1965	8.8605	398.0895	1
3442_3442	3442	3442	45.1215	1.356	-1.6365	0.021	15.6315	126.7245	1
3442_3443	3442	3443	-35.688	17.322	-0.7275	0.006	0.669	208.734	1
3443_3443	3443	3443	53.1345	2.376	0.1245	0.1335	-1.7445	113.889	1
3443_3444	3443	3444	-35.4315	13.002	-0.0135	0.0915	0.6855	114.9975	1
3444_3444	3444	3444	57.132	3.375	0.1395	0.138	-0.867	97.698	1
3444_3445	3444	3445	-36.4215	12.1455	-0.018	0.0555	0.546	27.2445	1
3445_3445	3445	3445	65.9025	4.419	-0.123	0.1425	0.6465	76.3635	1
3445_3446	3445	3446	-48.117	-4.863	-0.021	0.111	0.474	22.8405	1
3446_3446	3446	3446	32.058	-6.606	0.153	0.099	-0.291	121.821	1
3446_3447	3446	3447	-56.022	-7.137	-0.105	0.168	-0.477	84.255	1
3447_3447	3447	3447	31.053	-6.681	0.12	-0.1245	0.528	184.4325	1
3447_3448	3447	3448	-60.2025	-8.541	-0.1005	0.0945	-0.558	131.259	1
3448_3448	3448	3448	29.1585	-13.2585	-0.0975	0.1635	1.188	222.2925	1
3448_3449	3448	3449	-54.4005	3.219	-1.692	-1.1235	-6.096	120.6015	1
3449_3449	3449	3449	29.1975	13.2975	0.024	-0.1695	0.9315	262.446	1
3449_3450	3449	3450	-58.2915	-3.0765	-2.9925	1.164	-14.616	129.165	1
3450_3450	3450	3450	31.107	6.8295	-0.0915	0.051	0.9855	222.4305	1
3450_3451	3450	3451	-51.8805	8.6955	1.0515	0.069	-7.7205	80.0565	1
3451_3451	3451	3451	31.0725	7.3155	-0.12	-0.024	0.7725	184.485	1
3451_3452	3451	3452	-43.839	6.1215	-0.2115	-0.132	0.0165	21.5865	1
3452_3452	3452	3452	31.4805	7.911	0.0375	-0.0075	-0.6675	122.0265	1
3452_3453	3452	3453	18.2115	-2.817	0.108	-0.069	0.288	29.649	1
3453_3453	3453	3453	68.0835	-2.4705	-0.132	-0.159	0.135	80.187	1
3453_3454	3453	3454	-34.86	-12.1695	0.0165	-0.0765	0.654	115.77	1
3454_3454	3454	3454	60.555	-2.142	-0.15	-0.1245	-0.87	103.1055	1
3454_3455	3454	3455	-34.5675	-12.975	0.0225	-0.0675	0.804	209.319	1
3455_3455	3455	3455	54.669	-0.9735	1.8915	-0.048	-2.5785	120.3555	1
3455_3456	3455	3456	-35.5695	-17.3145	0.7215	-0.0915	8.553	398.1525	1
3456_3456	3456	3456	48.7455	-0.1875	1.728	-0.3315	16.8315	133.7145	1
3456_3457	3456	3457	-35.139	-18.171	0.7515	0.0825	11.067	461.559	1
3457_3457	3457	3457	46.44	-0.258	1.416	0.0765	23.1105	134.631	1
3457_3110	3457	3110	-38.055	-22.449	-4.215	0.0495	-4.0425	552.561	1
3460_3132	3460	3132	26.4825	0.6945	-0.7875	-0.0285	16.4385	118.506	1
3460_3461	3460	3461	-36.5205	24.1215	4.1655	-0.033	9.9105	468.3165	1
3461_3461	3461	3461	28.3335	1.7895	-1.005	0.3075	12.7065	115.5825	1
3461_3462	3461	3462	-37.665	18.6075	-0.468	0.456	7.3755	403.413	1
3462_3462	3462	3462	81.378	-0.6195	1.5375	-0.024	-16.2315	115.8705	1
3462_3463	3462	3463	-37.0605	17.6205	-0.48	-0.09	1.8285	210.5415	1
3463_3463	3463	3463	84.375	1.2435	-0.057	-0.1005	-0.045	124.062	1
3463_3464	3463	3464	-37.902	13.623	-0.021	0.066	0.714	112.386	1
3464_3464	3464	3464	92.3955	2.94	-0.039	-0.105	-0.5325	116.6655	1
3464_3465	3464	3465	27.9225	1.749	-0.0615	-0.0405	-0.3405	35.9625	1
3465_3465	3465	3465	95.9685	4.9485	0.012	-0.105	-0.9045	96.957	1
3465_3466	3465	3466	-25.581	-5.04	0.0375	-0.0735	0.345	48.426	1
3466_3466	3466	3466	29.679	-8.2455	-0.039	-0.027	-0.177	125.658	1
3466_3467	3466	3467	-34.9785	-6.687	0.042	-0.087	0.489	105.666	1
3467_3467	3467	3467	30.8415	-7.701	-0.027	0.0075	-0.375	199.275	1
3467_3468	3467	3468	-37.446	-7.584	0.0705	-0.0855	1.0665	147.5055	1
3468_3468	3468	3468	29.1795	-14.2815	-0.039	-0.102	-0.678	242.079	1
3468_3469	3468	3469	-37.0485	0.291	0.2385	-0.321	1.3965	145.944	1
3469_3469	3469	3469	31.6515	15.084	-0.1785	0.123	0.321	290.223	1
3469_3470	3469	3470	-52.794	-1.431	-0.6885	0.6465	-0.4155	173.685	1
3470_3470	3470	3470	32.889	7.989	-0.0105	0.0375	-0.0075	244.7265	1
3470_3471	3470	3471	-48.8625	9.546	0.054	0.1125	-0.027	120.222	1
3471_3471	3471	3471	32.718	8.664	-0.006	0.0075	-0.048	200.3205	1
3471_3472	3471	3472	-41.1945	7.968	0.1155	0.09	0.459	46.2225	1
3472_3472	3472	3472	29.3055	9.873	-0.021	0.0255	-0.0975	124.1835	1
3472_3473	3472	3473	25.944	-1.7175	0.012	0.015	-0.1425	34.0095	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3473_3473	3473	3473	92.2095	-1.524	0.144	0.081	-0.765	86.1855	1
3473_3474	3473	3474	-36.7935	-13.5195	0.0345	-0.0615	0.8205	126.954	1
3474_3474	3474	3474	86.0355	0.153	0.138	0.081	0.3075	98.0385	1
3474_3475	3474	3475	-36.4695	-14.37	0.039	-0.066	1.092	230.535	1
3475_3475	3475	3475	48.81	-2.574	1.305	0.078	-1.665	120.4815	1
3475_3476	3475	3476	-36.6945	-18.8145	0.5385	0.2505	6.951	435.867	1
3476_3476	3476	3476	44.9325	-1.7355	1.344	-0.576	11.9355	150.3435	1
3476_3477	3476	3477	-39.906	-19.947	0.5085	-0.999	9.5745	505.086	1
3477_3477	3477	3477	43.377	-1.7745	0.294	0.054	16.767	156.75	1
3477_3148	3477	3148	-41.124	-24.267	-4.5255	0.0375	-8.202	604.086	1
3480_3168	3480	3168	37.023	1.32	-0.318	-0.0525	15.2565	130.497	1
3480_3481	3480	3481	-38.826	24.2205	4.1295	-0.0585	8.2095	519.177	1
3481_3481	3481	3481	37.0485	1.3515	-1.08	0.3585	13.485	125.0955	1
3481_3482	3481	3482	-38.9025	20.2755	-0.447	0.5985	6.348	448.443	1
3482_3482	3482	3482	39.8685	2.133	-1.077	-0.036	10.146	120.771	1
3482_3483	3482	3483	-38.346	19.2645	-0.477	-0.15	0.8265	237.534	1
3483_3483	3483	3483	86.6925	0.243	-0.1425	-0.0615	1.2525	108.117	1
3483_3484	3483	3484	-39.132	14.8875	-0.015	0.0675	0.684	130.2495	1
3484_3484	3484	3484	93.36	2.055	-0.1275	-0.0855	0.183	107.301	1
3484_3485	3484	3485	29.5815	1.2045	-0.066	-0.0255	-0.246	39.7215	1
3485_3485	3485	3485	96.453	3.8445	0.0225	-0.084	-0.81	93.522	1
3485_3486	3485	3486	-37.554	-5.5995	0.066	-0.0795	0.6585	41.1	1
3486_3486	3486	3486	31.8195	-8.8725	-0.0375	-0.027	-0.2295	131.3505	1
3486_3487	3486	3487	-47.118	-7.62	-0.093	-0.0975	-0.4215	106.8885	1
3487_3487	3487	3487	34.0725	-8.3925	-0.018	0.006	-0.3495	211.227	1
3487_3488	3487	3488	-48.8235	-8.706	-0.0675	-0.0765	-0.654	155.0565	1
3488_3488	3488	3488	32.5335	-15.7095	0.198	-0.1455	-0.603	257.8815	1
3488_3489	3488	3489	-49.3665	1.7295	0.519	-0.609	0.501	149.352	1
3489_3489	3489	3489	34.8915	16.1775	-0.2295	0.1095	0.6675	308.307	1
3489_3490	3489	3490	-45.582	-1.074	-0.831	0.372	0.7185	161.232	1
3490_3490	3490	3490	35.178	8.373	0.0165	0.0315	-0.273	259.6905	1
3490_3491	3490	3491	-38.562	8.1285	0.0075	0.09	0.237	114.9345	1
3491_3491	3491	3491	34.83	9.0885	0.0225	0.003	-0.1815	213.1545	1
3491_3492	3491	3492	-30.2775	6.702	0.0705	0.0615	0.333	51.7365	1
3492_3492	3492	3492	31.428	10.44	-0.0315	0.018	0.0135	132.975	1
3492_3493	3492	3493	26.0475	-1.992	0.024	0.0225	-0.21	30.03	1
3493_3493	3493	3493	105.1125	-1.38	0.147	0.075	-0.7395	94.8495	1
3493_3494	3493	3494	-41.2005	-14.133	0.0435	-0.0495	0.933	129.885	1
3494_3494	3494	3494	97.1805	0.222	0.1515	0.0735	0.4095	107.0895	1
3494_3495	3494	3495	-40.8675	-15.069	0.0465	-0.0585	1.2615	238.3605	1
3495_3495	3495	3495	95.7195	1.9185	-1.3545	-0.0375	1.632	106.9515	1
3495_3496	3495	3496	-41.2215	-19.5735	0.4725	-0.15	6.468	451.818	1
3496_3496	3496	3496	34.68	-1.8465	0.8595	-0.0915	8.6325	122.8935	1
3496_3497	3496	3497	-44.8965	-20.8275	0.579	0.2835	8.865	523.6515	1
3497_3497	3497	3497	31.8825	-1.998	0.5445	0.0375	11.223	129.3975	1
3497_3184	3497	3184	-46.3305	-25.0695	-3.93	0.048	-6.267	625.692	1
3500_3204	3500	3204	45.1065	-0.123	-1.5045	-0.102	27.8865	114.6405	1
3500_3501	3500	3501	-39.2175	24.573	3.1545	-0.0795	9.573	549.7065	1
3501_3501	3501	3501	46.0515	-0.174	-1.536	0.258	21.3645	115.3725	1
3501_3502	3501	3502	-39.3075	20.8035	-0.537	-0.396	6.8325	477.1545	1
3502_3502	3502	3502	81.4725	0.4905	1.7895	0.0345	-18.2865	119.6805	1
3502_3503	3502	3503	-38.8365	19.821	-0.462	0.165	1.7415	260.586	1
3503_3503	3503	3503	81.9915	2.1105	-0.0795	-0.189	0.9645	117.0015	1
3503_3504	3503	3504	-38.2065	15.573	-0.0675	-0.012	1.2345	148.338	1
3504_3504	3504	3504	88.863	3.78	-0.1845	-0.072	0.363	103.629	1
3504_3505	3504	3505	-39.3855	14.6385	-0.024	0.15	1.134	42.657	1
3505_3505	3505	3505	76.2165	3.7635	-0.1005	0.1335	0.2205	80.811	1
3505_3506	3505	3506	-52.68	-5.1675	-0.0285	0.1035	0.3615	21.744	1
3506_3506	3506	3506	33.441	-8.682	0.0345	0.003	-0.4635	150.4365	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3506_3507	3506	3507	-64.92	-8.0955	0.0225	0.1305	0.5775	90.2085	1
3507_3507	3507	3507	32.1135	-8.8995	-0.072	0.0315	-0.942	231.2985	1
3507_3508	3507	3508	-70.743	-9.8385	0.1215	0.1305	1.9605	144.222	1
3508_3508	3508	3508	29.5695	-15.6195	0.03	-0.2775	-2.0085	281.4285	1
3508_3509	3508	3509	-64.8735	4.1565	-2.5935	-0.96	-5.9535	131.3385	1
3509_3509	3509	3509	29.598	15.7425	-0.0825	0.2625	-1.9155	328.6545	1
3509_3510	3509	3510	-67.188	-4.0065	-2.8365	0.954	-14.235	142.812	1
3510_3510	3510	3510	32.2455	9.1485	0.108	0.006	-1.6125	281.175	1
3510_3511	3510	3511	-58.002	9.4755	1.008	0.0345	-7.9485	88.6605	1
3511_3511	3511	3511	31.977	9.7455	0.099	-0.012	-0.894	230.6265	1
3511_3512	3511	3512	-43.0755	6.9645	1.0125	0.1635	0.8925	18.1515	1
3512_3512	3512	3512	32.4585	9.9645	-0.0135	-0.0165	-0.2175	149.2275	1
3512_3513	3512	3513	-42.321	-11.2515	0.099	-0.069	1.2165	43.971	1
3513_3513	3513	3513	73.83	-2.394	-0.0705	-0.138	0.3165	84.6735	1
3513_3514	3513	3514	-38.784	-14.94	0.0735	-0.0615	1.641	151.47	1
3514_3514	3514	3514	67.332	-2.0775	-0.078	-0.1245	-0.2115	108.117	1
3514_3515	3514	3515	-38.427	-15.837	0.0765	-0.0825	2.1855	265.62	1
3515_3515	3515	3515	57.5565	-1.008	1.6455	-0.0345	-1.176	125.5995	1
3515_3516	3515	3516	-40.062	-20.118	0.45	-0.0765	7.1085	485.2395	1
3516_3516	3516	3516	51.9945	-0.0975	1.527	-0.357	15.723	138.3165	1
3516_3517	3516	3517	-39.567	-21.0735	0.465	-0.045	8.6715	558.756	1
3517_3517	3517	3517	50.163	-0.183	1.536	0.069	20.7915	138.8835	1
3517_3220	3517	3220	-43.0455	-24.9555	-3.1275	0.1215	-3.168	659.6325	1
3520_3241	3520	3241	51.885	0.2595	-0.195	-0.6345	22.1145	137.7195	1
3520_3521	3520	3521	-53.754	25.9185	0.771	0.1695	14.4345	603.636	1
3521_3521	3521	3521	55.134	0.0915	-1.5375	0.123	21.6885	137.0085	1
3521_3522	3521	3522	-53.124	22.8555	-1.353	-0.9465	9.5205	523.4985	1
3522_3522	3522	3522	57.525	1.281	-1.707	0.078	16.749	136.8255	1
3522_3523	3522	3523	-53.6535	21.5895	-1.2345	0.1395	-3.606	287.718	1
3523_3523	3523	3523	86.742	2.2095	0.183	-0.348	-1.767	127.581	1
3523_3524	3523	3524	-53.754	17.268	0.114	-0.2985	-2.373	162.939	1
3524_3524	3524	3524	94.2	3.909	-0.12	0.03	-0.264	112.9605	1
3524_3525	3524	3525	-58.392	15.678	0.2745	0.303	-0.267	48.0195	1
3525_3525	3525	3525	86.712	4.1445	0.132	0.12	-1.4205	89.8125	1
3525_3526	3525	3526	-55.9485	-5.5125	-0.084	0.111	-0.222	21.414	1
3526_3526	3526	3526	47.52	-8.439	0.591	-0.261	-3.4125	164.9235	1
3526_3527	3526	3527	-72.7245	-9.0525	0.8445	0.078	7.779	96.6345	1
3527_3527	3527	3527	45.0735	-8.9835	0.0765	0.3255	-1.6245	248.373	1
3527_3528	3527	3528	-75.8025	-10.8075	1.119	0.1425	14.8515	156.081	1
3528_3528	3528	3528	41.817	-18.3975	0.6315	-0.2715	-2.7495	299.2215	1
3528_3529	3528	3529	-69.063	4.3305	-1.8165	0.771	8.58	141.828	1
3529_3529	3529	3529	41.8335	18.357	0.567	-0.0225	-0.771	355.0305	1
3529_3530	3529	3530	-71.976	-4.197	-1.02	-0.8505	6.465	154.35	1
3530_3530	3530	3530	44.6565	9.003	0.3735	-0.465	-0.3345	300.2415	1
3530_3531	3530	3531	-64.5615	10.38	-0.4605	0.0135	3.192	95.97	1
3531_3531	3531	3531	44.3595	9.7485	0.3345	0.1155	0.963	250.416	1
3531_3532	3531	3532	-52.0845	8.0085	-0.042	0.183	0.465	19.338	1
3532_3532	3532	3532	45.435	9.822	-0.1935	-0.084	3.7275	167.817	1
3532_3533	3532	3533	22.329	-3.1005	0.084	-0.084	1.113	36.339	1
3533_3533	3533	3533	110.1045	-2.553	0.0555	0.096	1.395	96.5235	1
3533_3534	3533	3534	-55.623	-15.0825	0.294	-0.1005	2.718	143.13	1
3534_3534	3534	3534	102.8235	-0.879	0.0015	0.129	1.7775	118.413	1
3534_3535	3534	3535	-53.973	-16.413	0.327	-0.066	5.022	261.4605	1
3535_3535	3535	3535	63.831	-0.72	1.5975	-0.1695	2.5275	134.457	1
3535_3536	3535	3536	-55.5345	-20.109	0.6255	-0.5385	11.676	480.651	1
3536_3536	3536	3536	57.696	0.2865	1.2645	-0.0615	18.5925	144.753	1
3536_3537	3536	3537	-58.611	-21.66	0.924	1.062	15.3765	556.023	1
3537_3537	3537	3537	54.219	3.7155	1.257	0.4665	22.5705	144.348	1
3537_3255	3537	3255	-56.4675	-28.4145	-0.429	-0.3405	13.23	711.801	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3540_3279	3540	3279	49.7265	-1.932	-2.328	-1.3335	11.7165	115.1985	1
3540_3541	3540	3541	-59.4135	27.684	-2.271	-1.65	-11.3805	595.599	1
3541_3541	3541	3541	86.7375	-1.602	1.1145	-0.57	-15.495	131.766	1
3541_3542	3541	3542	-61.776	22.227	-0.0135	-1.077	-11.079	517.959	1
3542_3542	3542	3542	90.279	0.279	0.963	-0.0885	-11.3565	137.9655	1
3542_3543	3542	3543	-62.283	20.766	0.0735	-0.018	-10.071	291.117	1
3543_3543	3543	3543	92.679	2.466	0.09	-0.246	-1.296	137.0625	1
3543_3544	3543	3544	-62.088	17.0685	0.462	-0.2085	-6.066	167.664	1
3544_3544	3544	3544	96.621	4.47	-0.0255	-0.093	-0.5505	120.393	1
3544_3545	3544	3545	-64.5195	15.5085	0.5265	0.1305	-2.2725	55.446	1
3545_3545	3545	3545	82.521	2.082	0.2115	0.0405	-3.0615	94.533	1
3545_3546	3545	3546	-65.4195	-6.3825	-0.027	0.0975	0.528	24.3405	1
3546_3546	3546	3546	51.7005	-7.974	1.4295	-0.324	-5.8605	169.149	1
3546_3547	3546	3547	-79.344	-10.2225	2.289	0.102	21.6105	111.1305	1
3547_3547	3547	3547	48.975	-8.646	0.579	0.18	0.2745	247.83	1
3547_3548	3547	3548	-84.7575	-12.3	2.634	-0.1185	37.668	178.4295	1
3548_3548	3548	3548	45.9645	-19.1835	0.7065	-0.129	-0.7305	297.0225	1
3548_3549	3548	3549	-74.286	4.728	-2.3565	3.6015	29.3865	161.5245	1
3549_3549	3549	3549	46.26	19.152	0.825	-0.507	0.8865	355.383	1
3549_3550	3549	3550	-76.6605	-3.4665	-0.2955	-4.044	29.61	174.4665	1
3550_3550	3550	3550	49.458	8.526	0.5385	-0.6465	0.951	298.7235	1
3550_3551	3550	3551	-67.6185	12.111	-1.977	0.135	17.349	104.1615	1
3551_3551	3551	3551	49.086	9.1725	0.648	0.0885	1.56	251.2965	1
3551_3552	3551	3552	-48.5685	8.622	-1.296	0.087	2.229	20.244	1
3552_3552	3552	3552	51.777	8.871	-0.279	-0.189	6.765	180.3435	1
3552_3553	3552	3553	23.289	-3.6675	0.2085	-0.1065	2.271	42.8715	1
3553_3553	3553	3553	85.161	-1.2225	0.2145	-0.342	5.748	121.173	1
3553_3554	3553	3554	-64.1445	-15.5985	0.4995	-0.252	6.006	145.7205	1
3554_3554	3554	3554	79.818	-2.5035	0.1275	-0.1965	7.6545	146.2755	1
3554_3555	3554	3555	-63.7185	-17.25	0.6495	-0.0315	10.4445	267.216	1
3555_3555	3555	3555	71.2815	-0.567	0.978	-0.111	8.5725	166.824	1
3555_3556	3555	3556	-64.587	-21.156	0.5055	-0.1695	15.906	492.3585	1
3556_3556	3556	3556	62.5095	0.3945	0.9255	-0.69	17.835	177.8205	1
3556_3557	3556	3557	-63.978	-22.935	0.4785	-0.8325	17.592	570.9045	1
3557_3557	3557	3557	60.1395	2.3895	-0.615	-0.4005	20.676	176.901	1
3557_3293	3557	3293	-63.1215	-27.924	-1.443	-0.8625	7.9575	750.1785	1
43000_3000	43000	3000	1.947	31.9845	-1.0815	1.5195	0	14.6775	1
43000_3001	43000	3001	-1.473	-74.895	0.636	-1.185	9.477	1106.267	1
43001_3001	43001	3001	-0.441	-5.457	0.9675	-1.4055	14.4225	77.553	1
43001_3002	43001	3002	-1.6965	-62.3805	0.789	-0.177	19.9575	1566.417	1
43002_3002	43002	3002	-0.459	-5.415	-1.356	-1.518	24.48	134.283	1
43002_3003	43002	3003	-1.797	-51.9855	-0.9045	-2.3445	10.749	2017.391	1
43003_3003	43003	3003	-0.48	-5.418	-1.344	-1.1715	7.902	200.142	1
43003_3004	43003	3004	-1.914	-39.843	-1.0335	0.744	-0.4545	2237.663	1
43004_3004	43004	3004	-0.474	-5.454	-0.5955	-1.392	-8.4495	266.07	1
43004_3005	43004	3005	-1.9545	-44.211	-0.3315	-1.8555	-4.8915	2464.361	1
43005_3005	43005	3005	-0.474	-5.454	-0.5955	-1.0875	-15.7005	332.415	1
43005_3006	43005	3006	-1.959	-33.6585	-0.3735	0.096	-10.4505	2528.159	1
43006_3006	43006	3006	-0.4725	-5.4015	-0.3945	-1.449	-22.95	398.8125	1
43006_3007	43006	3007	-1.9365	-40.4565	-0.2835	-3.096	-15.4155	2661.323	1
43007_3007	43007	3007	-0.474	-5.4015	-0.3945	-0.6435	-27.7485	464.517	1
43007_3008	43007	3008	-1.905	-30.2595	-0.303	1.107	-20.8665	2650.341	1
43008_3008	43008	3008	-0.474	-5.343	-0.3315	-1.02	-32.541	530.2725	1
43008_3009	43008	3009	-1.8705	-37.1565	-0.2775	-1.65	-26.13	2718.518	1
43009_3009	43009	3009	-0.5085	-5.349	-0.3285	-0.531	-36.3645	595.3455	1
43009_3010	43009	3010	-1.8375	-26.9865	-0.285	0.3645	-31.3605	2645.964	1
43010_3010	43010	3010	-0.5415	-5.3085	-0.345	-1.044	-40.1655	660.483	1
43010_3011	43010	3011	-1.8675	-12.579	-0.33	-2.385	-33.63	2652.528	1
43011_3011	43011	3011	-0.5415	-5.3085	-0.3435	0.1395	-44.3625	725.058	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43011_3012	43011	3012	-1.8375	-1.7655	-0.333	1.794	-39.6165	2532.741	1
43012_3012	43012	3012	-0.543	-5.4225	-0.441	-0.369	-48.5475	789.6345	1
43012_3013	43012	3013	-1.812	-8.088	-0.4275	-0.7995	-46.398	2481.986	1
43013_3013	43013	3013	-0.543	-5.4225	-0.441	0.33	-53.9175	855.636	1
43013_3014	43013	3014	-1.7865	2.8335	-0.432	1.107	-52.8075	2289.176	1
43014_3014	43014	3014	-0.5415	-5.814	-0.234	-0.411	-59.2815	921.6465	1
43014_3015	43014	3015	-1.743	1.8945	-0.456	-0.9045	-60.7455	2064.452	1
43015_3015	43015	3015	-0.507	-5.8485	-0.2355	1.71	-62.8965	1017.228	1
43015_3016	43015	3016	-1.791	9.4185	-0.4695	2.6325	-64.047	1863.791	1
43016_3016	43016	3016	-0.378	-7.074	-0.1905	-0.7965	-64.887	1065.411	1
43016_3017	43016	3017	-1.7925	6.4905	0.102	-0.9885	-61.1595	1646.847	1
43017_3017	43017	3017	-0.234	-7.194	-0.1815	2.1825	-66.3765	1148.963	1
43017_3018	43017	3018	-0.9225	-3.8025	0.177	1.8075	-46.725	1266.116	1
43018_3018	43018	3018	-0.0015	-8.0625	-0.198	-0.606	-68.6325	1244.469	1
43018_3019	43018	3019	-0.912	0.4425	0.027	-0.39	-42.0225	870.6765	1
43019_3019	43019	3019	0.2085	-8.0595	-0.198	3.387	-70.899	1345.566	1
43019_3020	43019	3020	0.249	-2.091	-0.213	1.3755	-31.7925	539.6775	1
43020_3020	43020	3020	-19.425	35.5335	0.9465	-0.3705	-28.5105	941.655	1
43020_3021	43020	3021	60.336	-47.61	0.708	-0.1995	-57.8295	840.804	1
43021_3021	43021	3021	-25.6335	24.147	1.1625	0.789	-37.455	642.2325	1
43021_3022	43021	3022	52.725	-41.655	0.3735	1.029	-47.7045	977.082	1
43022_3022	43022	3022	-37.2045	16.7355	1.2945	0.978	-42.9795	477.24	1
43022_3023	43022	3023	44.796	-35.0115	0.1635	0.84	-40.476	1068.785	1
43023_3023	43023	3023	-63.4095	3.219	1.7625	1.5465	-78.2625	387.894	1
43023_3024	43023	3024	37.347	-34.9935	0.7365	0.3615	-29.52	1174.238	1
43024_3024	43024	3024	-61.56	3.129	1.752	1.5345	-64.1985	362.295	1
43024_3025	43024	3025	30.723	-27.57	0.585	0.102	-20.637	1234.046	1
43025_3025	43025	3025	-60.8475	3.0945	1.815	1.9065	-50.2185	337.5	1
43025_3026	43025	3026	25.6995	-19.524	0.4155	1.1925	-14.0235	1248.03	1
43026_3026	43026	3026	-57.939	2.325	1.7115	1.23	-35.889	313.074	1
43026_3027	43026	3027	22.806	-25.3155	0.4965	-1.5255	-9.1935	1290.68	1
43027_3027	43027	3027	-57.936	2.325	1.8075	1.7265	-25.617	299.121	1
43027_3028	43027	3028	20.7975	-19.2345	0.312	0.348	-6.252	1306.892	1
43028_3028	43028	3028	-57.936	2.325	1.8075	1.7265	-14.7705	285.1725	1
43028_3029	43028	3029	19.4505	-12.9645	0.1635	0.0795	-5.0115	1284.728	1
43029_3029	43029	3029	-57.933	2.325	1.9035	2.1765	-3.924	271.2225	1
43029_3030	43029	3030	22.713	-24.486	-0.591	1.065	-10.284	1239.066	1
43030_3030	43030	3030	-57.936	1.266	1.7085	1.413	7.497	257.2755	1
43030_3031	43030	3031	26.4435	-27.786	-0.5325	-1.8225	-15.726	1221.915	1
43031_3031	43031	3031	-78.516	-3.453	-1.7745	-1.683	-32.2035	262.3035	1
43031_3032	43031	3032	31.482	-20.3475	-0.711	-0.7785	-23.415	1158.599	1
43032_3032	43032	3032	-81.1245	-3.603	-1.6815	-1.335	-46.506	290.214	1
43032_3033	43032	3033	37.2	-13.656	-0.8985	0.246	-33.453	1049.057	1
43033_3033	43033	3033	-60.3525	-12.2505	-1.4865	-1.4955	-36.3675	330.0285	1
43033_3034	43033	3034	43.3275	-13.7535	-0.3195	-2.202	-39.4815	953.6265	1
43034_3034	43034	3034	-37.362	-19.68	-1.2195	-0.0375	-32.8485	448.6515	1
43034_3035	43034	3035	49.218	-7.7715	-0.657	0.1305	-49.4205	827.1945	1
43035_3035	43035	3035	-25.8945	-27.297	-1.1295	-0.5235	-30.315	627.5655	1
43035_3036	43035	3036	56.7075	-1.8045	-0.8955	-0.7935	-65.451	641.085	1
43036_3036	43036	3036	-17.757	11.241	-0.048	-2.5485	-49.767	1373.514	1
43036_3037	43036	3037	-20.8875	-53.5725	-0.1065	-1.5975	-32.9955	798.2385	1
43037_3037	43037	3037	-18.0465	10.77	-0.0315	-0.1545	-50.502	1232.342	1
43037_3038	43037	3038	-23.49	-44.07	0.0765	-0.288	-37.029	1143.195	1
43038_3038	43038	3038	-18.3615	9.3015	0.0165	-2.031	-50.73	1097.375	1
43038_3039	43038	3039	-26.6685	-39.2355	-0.381	-2.241	-45.03	1456.8	1
43039_3039	43039	3039	-17.985	8.733	0.0525	0.48	-51.3285	972.5775	1
43039_3040	43039	3040	-28.2675	-29.2965	-0.36	0.543	-52.761	1605.908	1
43040_3040	43040	3040	-18.1335	7.3035	0.351	-1.197	-50.6655	869.9385	1
43040_3041	43040	3041	-29.0625	-34.5915	0.456	-1.8255	-50.712	1736.925	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43041_3041	43041	3041	-18.1965	7.1445	0.369	-0.051	-47.781	804.4695	1
43041_3042	43041	3042	-29.3745	-20.121	0.405	-0.0195	-46.7565	1826.97	1
43042_3042	43042	3042	-18.0675	6.387	0.126	-0.228	-41.9445	690.1875	1
43042_3043	43042	3043	-28.683	-25.6815	0.1575	-1.011	-46.269	1952.513	1
43043_3043	43043	3043	-18.0675	6.387	0.141	0.2835	-40.44	613.8405	1
43043_3044	43043	3044	-27.219	-14.0955	0.147	0.3735	-45.6165	1964.691	1
43044_3044	43044	3044	-18.0675	6.129	0.1515	-0.015	-38.7555	537.507	1
43044_3045	43044	3045	-25.6635	-20.7195	0.0255	-1.7985	-45.978	2051.879	1
43045_3045	43045	3045	-18.0675	6.129	0.183	0.7905	-36.9375	464.2545	1
43045_3046	43045	3046	-22.53	-28.476	-0.036	0.972	-46.227	2010.188	1
43046_3046	43046	3046	-6.7635	-6.459	-0.2475	-0.51	-35.8875	409.965	1
43046_3047	43046	3047	-22.3935	-34.809	-0.0585	-0.1575	-45.9855	2057.519	1
43047_3047	43047	3047	-6.7635	-6.459	-0.2475	-0.477	-38.8485	487.149	1
43047_3048	43047	3048	-22.5285	-23.919	-0.1065	-0.195	-46.278	1973.108	1
43048_3048	43048	3048	-6.7635	-6.5655	-0.2595	-0.057	-41.8065	564.405	1
43048_3049	43048	3049	-22.779	-29.6355	-0.147	0.2505	-46.62	1960.662	1
43049_3049	43049	3049	-6.7635	-6.5655	-0.2595	-0.099	-44.901	642.909	1
43049_3050	43049	3050	-22.5585	-19.068	-0.189	-0.027	-47.2005	1833.701	1
43050_3050	43050	3050	-6.765	-6.972	-0.27	0.1125	-47.9985	721.3545	1
43050_3051	43050	3051	-21.2385	-22.002	-0.4095	-0.0195	-50.265	1732.559	1
43051_3051	43051	3051	-6.7065	-7.029	-0.267	0.9615	-52.3125	833.541	1
43051_3052	43051	3052	-19.8075	-13.509	-0.432	1.071	-51.996	1600.772	1
43052_3052	43052	3052	-6.9675	-8.13	-0.0945	-0.1515	-54.216	891.735	1
43052_3053	43052	3053	-16.8975	-15.453	0.363	-0.3135	-44.415	1455.078	1
43053_3053	43053	3053	-6.759	-8.304	-0.0885	1.92	-55.275	989.625	1
43053_3054	43053	3054	-13.116	-4.9755	0.2985	1.5675	-36.474	1153.257	1
43054_3054	43054	3054	-6.8805	-9.0825	-0.249	-0.228	-56.013	1100.186	1
43054_3055	43054	3055	-9.4695	-0.6645	-0.015	-0.2175	-33.9645	811.23	1
43055_3055	43055	3055	-6.837	-9.3225	-0.237	3.2295	-58.5135	1214.294	1
43055_3056	43055	3056	0.327	-2.5185	-0.138	1.092	-18.831	464.037	1
43056_3056	43056	3056	-22.6515	34.986	0.996	-0.0405	-27.7125	850.203	1
43056_3057	43056	3057	54.8685	-47.1765	0.5055	0.177	-45.0405	867.5895	1
43057_3057	43057	3057	-29.775	23.07	1.1655	0.8655	-33.8355	577.002	1
43057_3058	43057	3058	48.777	-41.046	0.234	1.0395	-37.1925	1007.889	1
43058_3058	43058	3058	-45.6075	14.6295	1.2645	1.1535	-39.723	430.266	1
43058_3059	43058	3059	42.324	-34.284	0.0375	0.837	-32.0955	1109.919	1
43059_3059	43059	3059	-63.1515	3.3495	1.4295	1.5945	-64.4175	388.902	1
43059_3060	43059	3060	36.2595	-34.3425	0.66	-0.174	-23.091	1223.418	1
43060_3060	43060	3060	-61.077	3.2565	1.4895	1.9995	-53.046	362.517	1
43060_3061	43060	3061	30.894	-26.898	0.5085	0.9915	-15.9375	1289.013	1
43061_3061	43061	3061	-59.8815	3.2055	1.4805	1.989	-41.1945	336.7695	1
43061_3062	43061	3062	26.8815	-18.8595	0.396	0.7515	-10.2915	1306.653	1
43062_3062	43062	3062	-57.7155	2.5515	1.53	1.836	-29.5515	311.568	1
43062_3063	43062	3063	24.597	-24.7785	0.3435	0.1515	-6.876	1351.184	1
43063_3063	43063	3063	-57.7155	2.5515	1.53	1.836	-20.3685	296.2575	1
43063_3064	43063	3064	22.6515	-36.087	-0.264	-0.8175	-4.44	1368.936	1
43064_3064	43064	3064	-56.8275	-2.073	-1.551	-2.0475	-7.9875	296.547	1
43064_3065	43064	3065	23.9895	-30.081	-0.3855	-1.0305	-6.507	1349.967	1
43065_3065	43065	3065	-56.829	-2.073	-1.4625	-1.566	-17.295	308.991	1
43065_3066	43065	3066	26.0535	-24.507	-0.543	0.6885	-10.1415	1304.064	1
43066_3066	43066	3066	-56.8305	-2.763	-1.467	-2.13	-26.0535	321.4095	1
43066_3067	43066	3067	29.7735	-28.005	-0.516	-1.416	-15.552	1284.974	1
43067_3067	43067	3067	-60.6075	-2.8635	-1.4925	-2.163	-37.6635	344.0955	1
43067_3068	43067	3068	34.833	-20.571	-0.624	-1.74	-22.4715	1218.468	1
43068_3068	43068	3068	-60.612	-2.8635	-1.3455	-1.275	-49.614	367.023	1
43068_3069	43068	3069	40.5645	-13.8825	-0.825	0.663	-31.5735	1105.226	1
43069_3069	43069	3069	-63.9765	-3.4125	-1.503	-2.0565	-60.303	390.663	1
43069_3070	43069	3070	46.713	-13.9995	-0.279	-1.872	-36.792	1004.693	1
43070_3070	43070	3070	-47.6475	-14.667	-1.2315	-0.9855	-36.849	438.675	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43070_3071	43070	3071	52.4925	-7.911	-0.5385	-0.966	-45.192	870.195	1
43071_3071	43071	3071	-30.909	-23.178	-1.0845	-0.0165	-31.1355	590.277	1
43071_3072	43071	3072	59.904	-1.791	-0.843	-0.3015	-59.727	681.252	1
43072_3072	43072	3072	-8.985	9.3885	0.195	-2.685	-55.893	1353.812	1
43072_3073	43072	3073	-17.121	-53.7975	0.0015	-1.6485	-33.606	817.152	1
43073_3073	43073	3073	-8.9385	9.084	0.2025	-0.3075	-54.027	1236.09	1
43073_3074	43073	3074	-18.9045	-43.9545	0.183	-0.384	-35.9865	1167.983	1
43074_3074	43074	3074	-8.6475	8.1495	0.1155	-2.3445	-52.1025	1123.473	1
43074_3075	43074	3075	-21.288	-38.8665	-0.219	-2.5815	-41.3985	1487.436	1
43075_3075	43075	3075	-8.556	7.887	0.1335	0.6345	-50.9445	1012.677	1
43075_3076	43075	3076	-22.149	-28.5465	-0.1965	0.783	-46.4805	1639.547	1
43076_3076	43076	3076	-7.998	6.5295	0.135	-1.845	-49.7685	920.3985	1
43076_3077	43076	3077	-22.422	-34.461	0.159	-3.0345	-46.308	1787.313	1
43077_3077	43077	3077	-8.0535	6.4605	0.1515	0.3555	-48.6705	869.4735	1
43077_3078	43077	3078	-22.0515	-21.1545	0.1845	0.678	-45.6315	1920.921	1
43078_3078	43078	3078	-8.052	6.222	0.27	-0.0165	-46.473	775.494	1
43078_3079	43078	3079	-17.7975	-45.1905	0.1755	-0.579	-44.733	2067.074	1
43079_3079	43079	3079	-8.052	6.222	0.27	-0.0165	-43.446	705.6045	1
43079_3080	43079	3080	-16.419	-34.821	0.141	-0.7335	-42.7155	2100.111	1
43080_3080	43080	3080	-7.722	5.9925	0.2115	0.0915	-40.5225	635.7885	1
43080_3081	43080	3081	-15.414	-41.1	0.0345	-1.3035	-41.9085	2207.568	1
43081_3081	43081	3081	-7.722	5.9925	0.2175	0.573	-38.1435	568.425	1
43081_3082	43081	3082	-14.8605	-30.825	0.024	0.279	-41.1465	2191.26	1
43082_3082	43082	3082	-7.722	5.9145	0.237	0.4395	-35.6925	501.132	1
43082_3083	43082	3083	-14.8155	-36.858	-0.057	-1.068	-41.2755	2255.798	1
43083_3083	43083	3083	-7.722	5.9145	0.243	0.8115	-32.832	429.729	1
43083_3084	43083	3084	-14.847	-6.0765	-0.0225	0.942	-41.802	2182.154	1
43084_3084	43084	3084	-4.581	-5.6475	-0.267	-0.543	-34.413	496.4115	1
43084_3085	43084	3085	-14.823	-13.3725	-0.0015	-0.6045	-41.826	2191.488	1
43085_3085	43085	3085	-4.581	-5.6475	-0.2625	-0.024	-37.4055	559.8285	1
43085_3086	43085	3086	-17.1495	-22.623	-0.0555	0.825	-41.334	2079.416	1
43086_3086	43086	3086	-4.5825	-5.76	-0.264	-0.204	-40.353	623.313	1
43086_3087	43086	3087	-18.177	-28.4325	-0.183	-0.4815	-42.5475	2040.236	1
43087_3087	43087	3087	-5.0685	-5.778	-0.255	0.387	-43.0515	688.0755	1
43087_3088	43087	3088	-18.7215	-18.5775	-0.168	0.9615	-43.119	1898.532	1
43088_3088	43088	3088	-5.07	-6.144	-0.3285	0.0195	-45.912	752.958	1
43088_3089	43088	3089	-18.5085	-20.7285	-0.4335	-0.234	-46.7925	1782.732	1
43089_3089	43089	3089	-5.0175	-6.1875	-0.324	1.2135	-50.502	837.9435	1
43089_3090	43089	3090	-17.6355	-13.7925	-0.432	1.482	-48.7095	1636.283	1
43090_3090	43090	3090	-4.8945	-7.149	-0.0825	-0.3195	-53.2155	889.0215	1
43090_3091	43090	3091	-15.381	-15.552	0.309	-0.5025	-42.102	1475.673	1
43091_3091	43091	3091	-5.0265	-7.329	-0.0705	1.932	-53.736	974.094	1
43091_3092	43091	3092	-12.174	-4.7745	0.2595	1.569	-35.118	1151.58	1
43092_3092	43092	3092	-5.1825	-8.1555	-0.309	0.1935	-54.1875	1071.77	1
43092_3093	43092	3093	-8.8725	-0.5745	-0.0765	0.0555	-33.8325	798.06	1
43093_3093	43093	3093	-5.1495	-8.343	-0.303	2.607	-57.5685	1174.133	1
43093_3094	43093	3094	-6.3825	7.509	0.105	1.11	-27.3525	358.1385	1
43094_3094	43094	3094	-22.272	34.1565	1.0305	-0.327	-26.601	834.309	1
43094_3095	43094	3095	54.5955	-47.232	0.4425	-0.285	-41.1	854.3565	1
43095_3095	43095	3095	-28.5735	22.4895	1.2	1.017	-31.1235	566.7465	1
43095_3096	43095	3096	48.696	-40.9995	0.1365	1.209	-34.5645	992.2425	1
43096_3096	43096	3096	-43.3485	14.3535	1.293	1.3065	-35.685	423.555	1
43096_3097	43096	3097	42.387	-34.098	-0.054	1.011	-30.675	1092.108	1
43097_3097	43097	3097	-58.575	3.2745	1.485	1.464	-57.6315	381.4005	1
43097_3098	43097	3098	36.4395	-34.431	0.6495	-0.2115	-22.2405	1205.298	1
43098_3098	43098	3098	-56.388	3.156	1.548	1.8765	-45.858	355.5945	1
43098_3099	43098	3099	31.1505	-26.874	0.5055	1.017	-15.5355	1270.038	1
43099_3099	43099	3099	-54.6645	3.0705	1.539	1.8705	-33.585	330.7995	1
43099_3100	43099	3100	27.159	-18.693	0.4005	0.846	-10.2225	1285.719	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43100_3100	43100	3100	-52.533	2.3685	1.74	2.8215	-21.4425	306.7305	1
43100_3101	43100	3101	24.8535	-25.1325	0.255	4.893	-7.6065	1331.564	1
43101_3101	43101	3101	-51.603	2.3535	1.728	2.8125	-11.139	292.56	1
43101_3102	43101	3102	22.272	-36.105	-0.3135	4.7955	-6.7845	1351.352	1
43102_3102	43102	3102	-57.4875	-2.5125	-1.7355	-3.2415	-6.564	295.5375	1
43102_3103	43102	3103	23.394	-30.036	-0.24	-5.9115	-8.3265	1333.746	1
43103_3103	43103	3103	-57.4905	-2.5125	-1.6365	-2.7075	-16.968	310.5975	1
43103_3104	43103	3104	25.215	-24.384	-0.3885	-3.354	-11.3865	1288.419	1
43104_3104	43104	3104	-58.362	-3.0825	-1.5	-2.0625	-26.736	325.7115	1
43104_3105	43104	3105	28.578	-28.275	-0.507	-1.6155	-17.1285	1273.355	1
43105_3105	43105	3105	-60.1995	-3.1515	-1.443	-1.6545	-38.73	350.676	1
43105_3106	43105	3106	33.261	-20.709	-0.6465	-0.345	-24.5505	1209	1
43106_3106	43106	3106	-61.971	-3.219	-1.4535	-1.656	-50.307	376.1565	1
43106_3107	43106	3107	38.628	-13.89	-0.75	-0.5535	-33.4005	1096.094	1
43107_3107	43107	3107	-63.663	-3.6765	-1.4025	-1.5855	-61.98	402.3135	1
43107_3108	43107	3108	44.3865	-14.16	-0.153	-0.9015	-37.8465	996.687	1
43108_3108	43108	3108	-68.1645	-3.9555	-1.41	-1.626	-72.591	431.7735	1
43108_3109	43108	3109	49.7655	-7.9065	-0.3405	-1.1445	-44.886	861.033	1
43109_3109	43109	3109	-31.152	-22.431	-1.1265	-0.24	-31.9215	571.764	1
43109_3110	43109	3110	56.706	-1.644	-0.6135	-0.558	-57.339	671.0955	1
43110_3110	43110	3110	-9.141	9.6525	0.324	-3.1815	-63.9885	1351.584	1
43110_3111	43110	3111	-17.187	-53.3025	0.105	-1.929	-37.3755	822.117	1
43111_3111	43111	3111	-9.084	9.3345	0.3405	0.378	-60.657	1230.729	1
43111_3112	43111	3112	-18.975	-43.1355	0.3135	0.075	-39.165	1164.99	1
43112_3112	43112	3112	-8.949	8.3685	0.138	-2.073	-56.727	1114.179	1
43112_3113	43112	3113	-21.4515	-38.2005	-0.204	-2.1495	-45.0765	1475.835	1
43113_3113	43113	3113	-9.156	8.142	0.1485	0.534	-54.9675	1001.555	1
43113_3114	43113	3114	-22.5405	-27.5655	-0.18	0.6255	-50.661	1612.101	1
43114_3114	43114	3114	-8.7195	7.095	0.42	-0.633	-53.598	906.714	1
43114_3115	43114	3115	-23.0985	-33.3405	0.57	-0.5775	-47.6655	1738.022	1
43115_3115	43115	3115	-8.7795	7.02	0.42	-0.252	-50.13	848.5425	1
43115_3116	43115	3116	-23.232	-19.6605	0.552	-0.462	-41.727	1821.119	1
43116_3116	43116	3116	-8.7795	6.5985	0.279	-0.5025	-44.0385	746.7375	1
43116_3117	43116	3117	-22.71	-25.578	0.237	-1.8105	-40.0365	1937.852	1
43117_3117	43117	3117	-8.7795	6.5985	0.294	0.6825	-40.905	672.555	1
43117_3118	43117	3118	-21.6105	-14.4045	0.2655	1.338	-37.4865	1947.788	1
43118_3118	43118	3118	-7.7895	6.4755	0.3075	-0.0255	-37.923	598.5795	1
43118_3119	43118	3119	-20.4435	-21.468	0.2295	-1.743	-35.034	2031.927	1
43119_3119	43119	3119	-7.7895	6.4755	0.3225	0.9105	-34.4655	525.8445	1
43119_3120	43119	3120	-19.3755	-10.317	0.2505	1.608	-32.0745	1997.475	1
43120_3120	43120	3120	-7.7895	6.42	0.327	0.5775	-30.852	453.1125	1
43120_3121	43120	3121	-18.6015	-17.2005	0.171	-0.51	-29.6775	2051.144	1
43121_3121	43121	3121	-7.7895	6.42	0.333	0.8895	-26.913	375.6045	1
43121_3122	43121	3122	-18.3495	-5.136	0.162	0.9825	-27.4185	1957.889	1
43122_3122	43122	3122	-9.7305	-3.981	-0.0975	-0.3345	-19.521	321.3	1
43122_3123	43122	3123	-18.6405	-12.843	0.144	-0.33	-25.5105	1953.285	1
43123_3123	43123	3123	-9.7305	-3.981	-0.0885	-0.006	-20.6115	366.0045	1
43123_3124	43123	3124	-19.41	-1.605	0.138	1.215	-23.7945	1820.277	1
43124_3124	43124	3124	-9.732	-4.185	-0.114	-0.357	-21.6045	410.7465	1
43124_3125	43124	3125	-23.481	-26.949	-0.0945	-1.2255	-23.8755	1769.418	1
43125_3125	43125	3125	-9.888	-4.191	-0.096	0.459	-22.794	457.8075	1
43125_3126	43125	3126	-24.219	-16.77	-0.063	1.476	-23.892	1618.761	1
43126_3126	43126	3126	-10.248	-4.5975	-0.069	-0.051	-23.6385	504.906	1
43126_3127	43126	3127	-24.033	-19.326	-0.105	-0.417	-24.075	1504.098	1
43127_3127	43127	3127	-10.2975	-4.692	-0.057	0.843	-24.522	565.7535	1
43127_3128	43127	3128	-23.067	-12.252	-0.12	1.3065	-24.4935	1356.212	1
43128_3128	43128	3128	-10.1925	-5.961	-0.2415	-0.4815	-25.014	604.443	1
43128_3129	43128	3129	-20.4315	-14.7315	-0.0825	-1.0545	-24.375	1213.23	1
43129_3129	43129	3129	-10.2765	-6.267	-0.213	1.563	-27.45	678.3195	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43129_3130	43129	3130	-16.536	-3.8865	-0.1005	1.542	-25.035	918.1275	1
43130_3130	43130	3130	-10.4175	-7.203	0.507	0.2865	-29.6355	762	1
43130_3131	43130	3131	-12.558	0.978	1.2825	0.198	-9.5595	579.198	1
43131_3131	43131	3131	23.1105	-28.7565	-0.699	-1.0875	15.3435	1037.99	1
43131_3132	43131	3132	8.5035	-6.1725	-0.45	-0.3765	-22.0095	453.7365	1
43132_3132	43132	3132	-19.743	40.761	1.9185	1.3245	-31.9815	866.634	1
43132_3133	43132	3133	59.1345	-49.998	-1.716	3.324	-13.3455	709.0905	1
43133_3133	43133	3133	-21.8415	24.591	1.5165	1.245	-17.508	524.5185	1
43133_3134	43133	3134	52.338	-43.4295	-1.797	3.48	-23.661	876.3765	1
43134_3134	43134	3134	-27.9015	17.5845	0.9465	-2.673	-10.38	357.8355	1
43134_3135	43134	3135	45.18	-36.126	-1.365	-5.403	-31.6065	993.8325	1
43135_3135	43135	3135	-68.61	0.561	-1.101	-1.425	24.6225	287.073	1
43135_3136	43135	3136	38.3295	-35.358	0.858	-0.009	-23.2365	1118.595	1
43136_3136	43136	3136	-68.61	0.561	-1.101	-1.425	15.816	282.582	1
43136_3137	43136	3137	32.208	-27.408	0.7995	-0.2325	-15.63	1187.783	1
43137_3137	43137	3137	-67.2285	0.5325	-1.0035	-1.0755	6.4575	278.2875	1
43137_3138	43137	3138	27.4395	-18.8175	0.6975	0.9885	-9.0045	1204.205	1
43138_3138	43138	3138	-65.3865	-0.2265	-0.8445	-1.3245	-2.1375	274.2285	1
43138_3139	43138	3139	19.5135	-42.0285	-0.0825	-0.684	-6.2625	1262.597	1
43139_3139	43139	3139	-65.3865	-0.2265	-0.8445	-1.3245	-7.2045	275.5905	1
43139_3140	43139	3140	19.641	-35.427	-0.165	-0.8595	-6.954	1285.442	1
43140_3140	43140	3140	-66.336	-0.2385	-0.7425	-0.8715	-12.087	277.0095	1
43140_3141	43140	3141	20.328	-29.025	-0.2775	1.053	-8.7495	1266.858	1
43141_3141	43141	3141	-67.2315	-0.246	-0.8625	-1.341	-16.4055	278.454	1
43141_3142	43141	3142	21.765	-23.0955	-0.3195	-1.0545	-11.25	1218.873	1
43142_3142	43142	3142	-67.2315	-0.7515	-0.8625	-1.203	-21.5805	279.9255	1
43142_3143	43142	3143	24.678	-27.4065	-0.291	-0.9465	-14.733	1204.212	1
43143_3143	43143	3143	-69.1395	-0.813	-0.792	-0.8595	-28.401	286.29	1
43143_3144	43143	3144	28.9725	-19.4655	-0.3915	0.4065	-19.263	1136.369	1
43144_3144	43144	3144	-72.264	-0.9285	-0.9	-1.248	-34.6485	293.2005	1
43144_3145	43144	3145	33.966	-12.3105	-0.417	-1.02	-24.324	1015.655	1
43145_3145	43145	3145	-74.4915	-1.2495	-0.717	-0.6855	-41.796	300.975	1
43145_3146	43145	3146	39.39	-12.4245	0.279	0.1965	-23.943	907.4745	1
43146_3146	43146	3146	-38.325	-17.427	-0.9045	-0.7365	-17.8665	393.2745	1
43146_3147	43146	3147	44.5095	-5.904	0.1845	-1.0395	-25.11	761.3925	1
43147_3147	43147	3147	-27.6255	-24.9705	-0.903	-0.231	-18.315	560.079	1
43147_3148	43147	3148	51.1245	0.597	-0.027	-0.429	-29.475	548.808	1
43148_3148	43148	3148	48.696	38.007	-0.1665	1.2	34.9155	1282.295	1
43148_3149	43148	3149	-28.251	-52.9485	-0.036	-0.681	-22.743	708.846	1
43149_3149	43149	3149	-24.111	10.4805	0.168	-0.321	-38.0265	1090.853	1
43149_3150	43149	3150	-32.448	-42.924	0.129	-0.1815	-23.934	1027.863	1
43150_3150	43150	3150	-24.0135	9.2895	0.105	-0.7335	-36.363	959.853	1
43150_3151	43150	3151	-37.335	-37.7055	-0.252	-0.558	-28.14	1306.217	1
43151_3151	43151	3151	-24.186	8.6685	0.0975	-0.1425	-35.022	828.705	1
43151_3152	43151	3152	-40.347	-27.3345	-0.2715	-0.228	-32.5905	1408.823	1
43152_3152	43152	3152	-24.027	7.416	0.243	-0.1575	-34.071	727.251	1
43152_3153	43152	3153	-42.1215	-33.0165	0.3075	0.0015	-30.4515	1518.84	1
43153_3153	43153	3153	-24.0885	7.2135	0.237	-0.0855	-32.067	663.276	1
43153_3154	43153	3154	-43.956	-19.935	0.219	-0.2655	-27.9315	1571.51	1
43154_3154	43154	3154	-23.502	6.819	0.1905	-0.0195	-29.0415	564.3075	1
43154_3155	43154	3155	-44.568	-25.2075	0.192	-0.753	-26.3175	1668.672	1
43155_3155	43155	3155	-23.5005	6.819	0.2115	0.4245	-26.9505	489.2865	1
43155_3156	43155	3156	-44.3895	-13.899	0.198	0.573	-24.4095	1661.748	1
43156_3156	43156	3156	-23.5005	6.7155	0.1935	0.438	-24.6225	414.2715	1
43156_3157	43156	3157	-44.055	-20.6265	0.0645	0.078	-23.9205	1713.903	1
43157_3157	43157	3157	-23.5005	6.7155	0.1935	0.438	-22.6905	347.034	1
43157_3158	43157	3158	-43.668	-10.365	0.033	-0.0315	-23.8245	1670.799	1
43158_3158	43158	3158	-23.502	6.681	0.2025	0.576	-20.757	279.798	1
43158_3159	43158	3159	-43.905	-34.515	-0.081	-0.147	-24.462	1708.01	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43159_3159	43159	3159	-22.815	-5.8605	-0.1935	-0.3465	-22.1385	309.6195	1
43159_3160	43159	3160	-44.205	-24.807	-0.114	-0.2145	-25.296	1653.141	1
43160_3160	43160	3160	-22.815	-6.0405	-0.204	-0.3375	-24.078	368.358	1
43160_3161	43160	3161	-44.373	-29.9205	-0.2475	-0.8085	-27.537	1656.816	1
43161_3161	43161	3161	-22.9215	-6.0435	-0.1815	0.0645	-26.2725	434.763	1
43161_3162	43161	3162	-43.791	-19.611	-0.231	0.483	-29.415	1556.636	1
43162_3162	43162	3162	-22.9215	-6.5655	-0.2265	0.2205	-28.2705	501.2595	1
43162_3163	43162	3163	-41.751	-21.585	-0.3225	0.468	-32.4105	1492.113	1
43163_3163	43163	3163	-23.157	-6.777	-0.249	-0.1185	-31.218	593.1075	1
43163_3164	43163	3164	-39.516	-14.5365	-0.411	-0.6885	-35.1075	1381.343	1
43164_3164	43164	3164	-23.028	-8.058	-0.0915	0.195	-33.267	648.9315	1
43164_3165	43164	3165	-35.0805	-15.987	0.3255	0.2835	-29.934	1257.602	1
43165_3165	43165	3165	-23.3715	-8.7345	-0.0945	0.6315	-33.693	750.279	1
43165_3166	43165	3166	-29.0085	-5.418	0.225	0.39	-25.056	981.81	1
43166_3166	43166	3166	-23.0925	-10.0485	-0.15	0.27	-35.0055	866.1555	1
43166_3167	43166	3167	-22.8585	-0.879	0.0345	0.102	-23.871	658.7265	1
43167_3167	43167	3167	-23.0145	-10.707	-0.1515	1.2255	-36.4485	992.613	1
43167_3168	43167	3168	24.108	-4.896	0.021	-0.522	-2.4345	430.6515	1
43168_3168	43168	3168	-22.1685	39.1665	0.9075	-0.1335	-18.975	888.09	1
43168_3169	43168	3169	48.96	-49.4235	0.033	-0.219	-26.277	748.4865	1
43169_3169	43169	3169	-28.524	26.094	0.948	0.507	-18.765	568.638	1
43169_3170	43169	3170	43.509	-43.1235	-0.195	0.6345	-23.9055	907.788	1
43170_3170	43170	3170	-37.6005	18.789	0.93	0.5985	-17.367	393.741	1
43170_3171	43170	3171	37.68	-36.1395	-0.351	0.5055	-23.679	1021.035	1
43171_3171	43171	3171	-52.608	13.0035	0.5505	0.729	-17.2305	277.2045	1
43171_3172	43171	3172	32.2605	-36.009	0.3555	0.3825	-18.6645	1145.496	1
43172_3172	43172	3172	-43.968	1.3905	-0.8865	-0.9795	18.279	249.099	1
43172_3173	43172	3173	27.5385	-28.2645	0.273	0.279	-14.6595	1219.919	1
43173_3173	43173	3173	-43.968	1.3905	-0.8865	-0.9795	11.184	237.969	1
43173_3174	43173	3174	24.204	-19.884	0.195	0.1425	-11.682	1243.706	1
43174_3174	43174	3174	-64.053	-0.111	0.993	1.263	-18.057	228.312	1
43174_3175	43174	3175	22.4655	-25.9065	0.27	1.4055	-9.189	1293.158	1
43175_3175	43175	3175	-64.0545	-0.111	0.8865	0.8805	-12.0975	228.9795	1
43175_3176	43175	3176	21.5055	-19.614	0.2085	-0.9225	-7.5675	1313.721	1
43176_3176	43176	3176	-64.053	-0.111	0.993	1.263	-6.78	229.644	1
43176_3177	43176	3177	21.129	-13.131	0.0735	1.1715	-7.2465	1293.446	1
43177_3177	43177	3177	-60.7275	-0.138	0.8625	0.8625	-1.632	230.322	1
43177_3178	43177	3178	28.3335	-23.6475	-0.363	-1.362	-11.769	1242.942	1
43178_3178	43178	3178	-60.726	-1.173	0.7785	0.927	3.5415	231.1485	1
43178_3179	43178	3179	32.994	-27.1215	-0.252	-0.7575	-14.649	1219.544	1
43179_3179	43179	3179	-64.053	-1.2225	0.792	0.936	10.836	240.7635	1
43179_3180	43179	3180	38.9925	-19.395	-0.3255	-0.9405	-18.3975	1145.745	1
43180_3180	43180	3180	-64.0515	-1.2225	0.873	1.2495	17.175	250.548	1
43180_3181	43180	3181	45.6285	-12.432	-0.45	0.201	-23.4015	1021.82	1
43181_3181	43181	3181	-43.4805	-12.4395	-0.9075	-0.78	-16.9035	269.109	1
43181_3182	43181	3182	52.5855	-12.204	0.2295	-1.1235	-23.3115	908.583	1
43182_3182	43182	3182	-31.0845	-18.8835	-0.8835	-0.159	-17.0475	387.5805	1
43182_3183	43182	3183	59.1375	-5.9445	0.0045	-0.078	-25.764	760.4805	1
43183_3183	43183	3183	-24.2865	-26.208	-0.912	-0.4005	-18.123	568.821	1
43183_3184	43183	3184	67.356	0.3165	-0.1635	-0.4725	-31.446	546.6705	1
43184_3184	43184	3184	36.6945	43.2825	-0.1545	1.2705	34.188	1458.287	1
43184_3185	43184	3185	-21.5025	-54.8985	-0.093	-0.747	-23.46	626.0085	1
43185_3185	43185	3185	33.63	32.682	0.0135	0.459	30.1395	986.304	1
43185_3186	43185	3186	-24.465	-45.438	0.084	-0.246	-25.176	967.458	1
43186_3186	43186	3186	-12.4305	7.368	0.018	-0.7665	-35.346	818.2035	1
43186_3187	43186	3187	-28.0575	-39.9825	-0.4335	-0.6855	-31.458	1278.69	1
43187_3187	43187	3187	-12.1815	7.0035	0.0225	-0.1155	-35.7795	717.453	1
43187_3188	43187	3188	-30.0735	-29.9205	-0.4725	-0.249	-38.193	1427.928	1
43188_3188	43188	3188	-12.0045	5.8935	0.18	-0.273	-35.8425	635.139	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43188_3189	43188	3189	-31.2135	-34.4985	0.21	-0.138	-36.885	1562.868	1
43189_3189	43189	3189	-12.0525	5.796	0.177	-0.171	-34.3575	584.43	1
43189_3190	43189	3190	-32.2275	-21.8475	0.099	-0.39	-36.1575	1661.75	1
43190_3190	43190	3190	-11.946	5.3565	0.1515	0.0495	-31.992	504.8385	1
43190_3191	43190	3191	-32.3475	-26.0145	0.0915	-0.204	-35.856	1783.716	1
43191_3191	43191	3191	-11.514	5.3445	0.156	0.051	-30.546	446.01	1
43191_3192	43191	3192	-31.839	-15.1695	0.0255	-0.378	-36.273	1805.778	1
43192_3192	43192	3192	-11.319	5.1705	0.1635	0.336	-28.9155	387.225	1
43192_3193	43192	3193	-30.393	-39.4365	-0.1065	-0.4395	-37.8315	1874.394	1
43193_3193	43193	3193	-11.319	5.1705	0.1635	0.336	-27.2685	335.1555	1
43193_3194	43193	3194	-30.459	-29.9325	-0.1635	-0.564	-39.219	1856.808	1
43194_3194	43194	3194	-10.3965	-6.549	-0.333	-0.519	-33.9465	344.7795	1
43194_3195	43194	3195	-30.7155	-35.3895	-0.282	-0.336	-41.718	1900.88	1
43195_3195	43195	3195	-10.3965	-6.549	-0.333	-0.519	-37.3035	410.736	1
43195_3196	43195	3196	-30.9555	-26.082	-0.3255	-0.4485	-44.583	1853.051	1
43196_3196	43196	3196	-10.395	-6.8115	-0.3735	0.081	-40.662	476.703	1
43196_3197	43196	3197	-31.0875	-30.342	-0.438	0.675	-48.4515	1853.417	1
43197_3197	43197	3197	-11.01	-6.8355	-0.378	-0.4095	-44.439	551.595	1
43197_3198	43197	3198	-30.621	-20.5125	-0.5085	-0.9465	-52.8135	1754.408	1
43198_3198	43198	3198	-11.01	-7.5135	-0.3735	0.0705	-48.5955	626.8035	1
43198_3199	43198	3199	-28.989	-21.6705	-0.4065	-0.1245	-55.6785	1676.733	1
43199_3199	43199	3199	-11.268	-7.6305	-0.369	0.6	-53.4705	732.927	1
43199_3200	43199	3200	-27.1875	-14.907	-0.444	0.531	-57.5295	1564.848	1
43200_3200	43200	3200	-11.127	-8.859	-0.2175	-0.114	-56.532	795.8595	1
43200_3201	43200	3201	-23.721	-15.3885	0.2715	-0.228	-51.129	1419.641	1
43201_3201	43201	3201	-10.905	-9.132	-0.2145	1.5825	-59.0625	903.5535	1
43201_3202	43201	3202	-19.1385	-5.343	0.225	1.3335	-43.68	1125.323	1
43202_3202	43202	3202	-11.2875	-10.2915	-0.237	0.639	-60.8145	1026.047	1
43202_3203	43202	3203	-14.6805	-0.7605	-0.0825	0.399	-40.95	784.221	1
43203_3203	43203	3203	-11.022	-10.5765	-0.237	2.268	-63.7455	1155.051	1
43203_3204	43203	3204	0.903	-2.616	-0.1695	0.981	-29.856	458.253	1
43204_3204	43204	3204	-23.874	37.5855	0.9165	0.6945	-27.4155	947.8515	1
43204_3205	43204	3205	55.5855	-47.727	0.4665	1.0125	-49.9725	851.8785	1
43205_3205	43205	3205	-31.53	25.686	1.0425	-0.042	-34.1775	630.2205	1
43205_3206	43205	3206	49.389	-41.988	0.333	-0.1095	-40.974	1004.31	1
43206_3206	43206	3206	-43.332	18.1875	1.197	0.723	-37.524	453.45	1
43206_3207	43206	3207	42.861	-35.6295	0.081	0.975	-34.965	1110.812	1
43207_3207	43207	3207	-57.7695	12.8475	1.2075	1.2135	-38.5365	334.3185	1
43207_3208	43207	3208	36.7095	-35.037	0.567	0.2625	-26.0775	1226.211	1
43208_3208	43208	3208	-74.802	2.373	1.6905	1.6395	-51.231	288.4635	1
43208_3209	43208	3209	31.266	-27.9045	0.4125	-0.0495	-19.2915	1297.661	1
43209_3209	43209	3209	-68.598	1.9575	1.752	1.9665	-38.712	271.5405	1
43209_3210	43209	3210	27.1725	-20.163	0.2235	1.302	-14.832	1325.597	1
43210_3210	43210	3210	-64.629	1.044	1.5795	1.71	-25.251	256.29	1
43210_3211	43210	3211	22.7625	-42.6975	-0.1395	-0.8145	-8.418	1371.446	1
43211_3211	43211	3211	-59.7615	-1.3695	-1.818	-1.9695	2.595	261.5895	1
43211_3212	43211	3212	23.853	-36.6405	-0.282	-1.044	-9.1665	1392.857	1
43212_3212	43212	3212	-59.7645	-1.3695	-1.719	-1.5195	-8.3145	269.811	1
43212_3213	43212	3213	25.566	-30.7485	-0.4635	0.9855	-11.733	1376.636	1
43213_3213	43213	3213	-59.7615	-1.3695	-1.818	-1.983	-18.627	278.0265	1
43213_3214	43213	3214	28.0755	-25.251	-0.558	-1.3545	-15.6645	1334.048	1
43214_3214	43214	3214	-62.655	-2.1165	-1.698	-1.5495	-29.208	286.5855	1
43214_3215	43214	3215	32.445	-27.537	-0.384	0.501	-20.082	1309.529	1
43215_3215	43215	3215	-65.2545	-2.235	-1.788	-1.9455	-42.4725	303.675	1
43215_3216	43215	3216	38.1645	-20.3955	-0.4905	-1.2405	-26.3205	1241.234	1
43216_3216	43216	3216	-66.5025	-2.289	-1.794	-1.9515	-56.652	321.9285	1
43216_3217	43216	3217	44.5575	-13.938	-0.6375	-1.338	-34.6425	1128.564	1
43217_3217	43217	3217	-60.8925	-10.953	-1.4445	-1.3785	-43.755	349.1715	1
43217_3218	43217	3218	51.3075	-13.3245	-0.2385	-0.7935	-40.239	1023.242	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43218_3218	43218	3218	-42.822	-17.631	-1.401	-1.8165	-40.4565	461.9595	1
43218_3219	43218	3219	57.7425	-7.575	-0.3945	-2.433	-48.2055	887.6685	1
43219_3219	43219	3219	-30.363	-25.698	-1.158	0.69	-37.623	640.3695	1
43219_3220	43219	3220	65.802	-1.7355	-0.8775	0.438	-63.681	687.6585	1
43220_3220	43220	3220	35.136	46.389	-0.2475	1.1595	64.173	1388.031	1
43220_3221	43220	3221	-18.5295	-53.9505	0.0975	-2.9205	-40.0035	810.525	1
43221_3221	43221	3221	-7.2255	10.4475	0.339	1.1235	-70.1415	1211.474	1
43221_3222	43221	3222	-21.156	-45.1875	0.387	0.108	-41.2035	1159.523	1
43222_3222	43222	3222	-6.9915	9.3945	0.3405	-3.9225	-66.6525	1080.852	1
43222_3223	43222	3223	-24.5775	-40.065	-0.4005	-5.31	-48.9375	1480.076	1
43223_3223	43223	3223	-7.032	9.1995	0.384	2.4615	-62.655	954.1845	1
43223_3224	43223	3224	-26.718	-30.816	-0.306	3.0045	-56.3685	1649.778	1
43224_3224	43224	3224	-6.84	7.8555	0.204	-3.081	-58.3695	846.327	1
43224_3225	43224	3225	-28.0275	-34.86	0.1245	-6.249	-56.5905	1797.594	1
43225_3225	43225	3225	-6.7815	7.794	0.237	1.008	-56.8005	781.5105	1
43225_3226	43225	3226	-29.796	-21.3015	0.1575	1.8945	-56.6985	1940.036	1
43226_3226	43226	3226	-6.7815	7.2945	0.342	-1.164	-53.0325	657.2805	1
43226_3227	43226	3227	-30.198	-44.3325	0.036	-5.154	-56.9175	2071.886	1
43227_3227	43227	3227	-6.2325	7.275	0.375	1.1985	-49.1295	569.0895	1
43227_3228	43227	3228	-30.33	-13.0395	0.216	3.363	-54.1425	2087.931	1
43228_3228	43228	3228	-6.228	7.059	0.2925	-0.357	-44.601	481.0485	1
43228_3229	43228	3229	-29.9115	-37.086	-0.189	-5.055	-56.601	2147.268	1
43229_3229	43229	3229	-9.2925	-6.996	-0.288	0.1875	-43.698	423.9285	1
43229_3230	43229	3230	-29.8845	-26.6385	-0.1605	2.7945	-57.759	2073.885	1
43230_3230	43230	3230	-9.4245	-7.32	-0.3	-1.605	-47.139	508.4625	1
43230_3231	43230	3231	-29.6625	-29.217	-0.3015	-4.5015	-60.3855	2046.609	1
43231_3231	43231	3231	-9.939	-7.344	-0.2565	0.855	-50.547	598.2795	1
43231_3232	43231	3232	-28.992	-19.0875	-0.246	2.9235	-61.845	1895.759	1
43232_3232	43232	3232	-10.224	-8.0535	-0.1695	-1.287	-53.4795	688.2285	1
43232_3233	43232	3233	-28.164	-23.601	0.3405	-2.229	-57.5235	1837.128	1
43233_3233	43233	3233	-10.224	-8.0535	-0.1635	-0.828	-54.807	751.3305	1
43233_3234	43233	3234	-27.1305	-17.5365	0.33	-1.404	-53.247	1731.371	1
43234_3234	43234	3234	-10.1595	-8.1345	-0.1335	1.9185	-56.0085	811.374	1
43234_3235	43234	3235	-25.4265	-11.1945	0.3525	3.2625	-47.8065	1565.355	1
43235_3235	43235	3235	-10.0305	-9.2085	-0.6	-2.151	-57.2655	883.239	1
43235_3236	43235	3236	-23.8605	-13.311	-1.671	-2.5035	-56.0055	1468.962	1
43236_3236	43236	3236	-10.6875	-9.3825	-0.5865	-0.456	-59.8785	937.6815	1
43236_3237	43236	3237	-22.5015	-9.672	-1.6245	-0.477	-62.889	1365.021	1
43237_3237	43237	3237	-10.5345	-9.555	-0.555	3.195	-62.85	991.719	1
43237_3238	43237	3238	-19.743	-3.5205	-1.4145	3.1425	-73.0275	1139.225	1
43238_3238	43238	3238	-10.4565	-13.1985	0.864	-1.1805	-68.25	1086.012	1
43238_3239	43238	3239	-16.0875	-11.985	1.0365	-1.1865	-55.4265	1000.599	1
43239_3239	43239	3239	-10.1865	-13.407	0.891	2.8665	-59.13	1221.882	1
43239_3240	43239	3240	-13.1745	-4.2795	0.9015	1.728	-38.871	765.7575	1
43240_3240	43240	3240	-9.7785	-19.629	-1.047	4.8495	-48.3825	1367.427	1
43240_3241	43240	3241	-9.318	-19.3185	0.5205	-0.2235	-32.0865	703.932	1
43241_3241	43241	3241	-42.1755	24.066	-0.4335	-1.8645	-19.956	845.892	1
43241_3242	43241	3242	64.2285	-32.049	-0.297	0.03	-64.107	1086.134	1
43242_3242	43242	3242	-52.701	18.4485	-0.429	0.699	-40.7325	637.605	1
43242_3243	43242	3243	58.803	-25.4445	-0.5715	3.5175	-63.903	1110.251	1
43243_3243	43243	3243	-60.297	18.009	1.473	0.393	-53.007	503.343	1
43243_3244	43243	3244	51.993	-37.3455	2.0865	-1.0215	-37.086	1260.888	1
43244_3244	43244	3244	-90.708	5.1135	2.3235	1.755	-71.2965	386.517	1
43244_3245	43244	3245	45.3855	-29.3235	1.707	1.2435	-13.629	1366.946	1
43245_3245	43245	3245	-81.762	2.0535	1.695	1.062	-55.4895	355.3125	1
43245_3246	43245	3246	40.335	-25.683	0.2535	-2.724	-7.335	1457.81	1
43246_3246	43246	3246	-74.3655	1.524	1.989	2.433	-40.1115	337.3305	1
43246_3247	43246	3247	37.05	-16.842	-0.09	2.586	-6.6585	1480.476	1
43247_3247	43247	3247	-72.3765	0.813	1.3125	1.305	-21.2445	322.5825	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43247_3248	43247	3248	35.3985	-14.8365	0.6825	-2.5455	-0.12	1488.45	1
43248_3248	43248	3248	-64.2075	-1.413	-1.3005	-1.4145	-25.2465	326.4285	1
43248_3249	43248	3249	42.144	-24.873	0.174	0.945	1.857	1414.256	1
43249_3249	43249	3249	-67.7595	-2.085	-0.762	-2.388	-38.3565	342.492	1
43249_3250	43249	3250	48.1635	-21.045	-0.6165	-2.688	-5.9685	1320.026	1
43250_3250	43250	3250	-74.2755	-2.5515	-0.588	-1.3215	-45.2235	366.0195	1
43250_3251	43250	3251	55.056	-14.0745	-0.744	0.4845	-14.0445	1185.431	1
43251_3251	43251	3251	-81.543	-5.97	-3.5925	-2.712	-47.949	393.693	1
43251_3252	43251	3252	61.8945	-26.5755	-3.411	-4.014	-42.6225	1186.388	1
43252_3252	43252	3252	-64.0095	-12.867	-2.2815	-0.675	-51.258	486.789	1
43252_3253	43252	3253	68.532	-19.2885	-4.167	-0.528	-81.426	1125.503	1
43253_3253	43253	3253	-51.9915	-16.785	-1.668	0.3	-53.5245	614.6265	1
43253_3254	43253	3254	74.499	-13.2645	-4.692	0.3735	-123.899	1027.853	1
43254_3254	43254	3254	-43.413	-19.545	0.7155	9.1275	-47.6415	760.9215	1
43254_3255	43254	3255	76.7205	-29.6805	4.2	5.862	-113.681	1041.443	1
43255_3255	43255	3255	-7.527	13.545	4.0515	-6.249	-87.1155	1484.186	1
43255_3256	43255	3256	-18.738	-42.5685	4.3695	-3.0675	-28.41	939.4455	1
43256_3256	43256	3256	-7.95	13.29	4.08	-0.501	-46.0725	1345.254	1
43256_3257	43256	3257	-19.512	-37.2825	4.9695	-0.0675	9.7635	1061.333	1
43257_3257	43257	3257	-7.4685	10.4205	-1.92	-3.942	-13.3275	1237.571	1
43257_3258	43257	3258	-22.497	-47.451	-2.163	-3.897	-8.9955	1319.786	1
43258_3258	43258	3258	-7.6425	10.296	-1.9035	-0.963	-32.4615	1134.636	1
43258_3259	43258	3259	-24.1845	-41.9115	-2.1375	-1.401	-26.1885	1510.443	1
43259_3259	43259	3259	-7.788	10.188	-1.878	3.768	-48.9825	1042.467	1
43259_3260	43259	3260	-24.4785	-40.035	-2.0895	4.2585	-32.7945	1556.684	1
43260_3260	43260	3260	-7.9605	9.1725	0.1125	-3.9615	-54.7155	1009.398	1
43260_3261	43260	3261	-25.911	-40.05	-0.9225	-5.835	-39.102	1708.961	1
43261_3261	43261	3261	-8.073	9.0735	0.129	-1.2915	-53.937	940.6455	1
43261_3262	43261	3262	-27.39	-33.3495	-1.0215	-2.3595	-49.689	1861.757	1
43262_3262	43262	3262	-7.407	8.9265	0.1815	2.0745	-53.334	856.539	1
43262_3263	43262	3263	-28.4925	-27.507	-0.99	3.816	-59.013	1944.452	1
43263_3263	43263	3263	-7.4055	8.0895	0.093	-1.545	-51.948	788.1015	1
43263_3264	43263	3264	-30.069	-28.3515	-0.012	-3.852	-60.81	2099.255	1
43264_3264	43264	3264	-7.4055	8.0895	0.111	0.234	-50.9055	696.96	1
43264_3265	43264	3265	-32.2305	-39.9	-0.2865	0.2085	-65.5155	2164.508	1
43265_3265	43265	3265	-7.179	7.6785	0.159	-1.065	-49.6575	601.656	1
43265_3266	43265	3266	-32.682	-41.421	-0.2085	-5.3625	-66.8595	2260.892	1
43266_3266	43266	3266	-7.08	7.674	0.1875	0.8745	-47.817	512.475	1
43266_3267	43266	3267	-33.123	-31.9095	-0.192	2.211	-68.187	2242.47	1
43267_3267	43267	3267	-6.4995	7.413	0.1665	-0.147	-45.645	424.743	1
43267_3268	43267	3268	-33.5055	-33.615	-0.4545	-3.915	-72.2445	2247.744	1
43268_3268	43268	3268	-16.359	-7.1565	-0.3705	-0.0405	-51.267	485.496	1
43268_3269	43268	3269	-33.7005	-24.282	-0.435	1.5945	-75.7995	2139.851	1
43269_3269	43269	3269	-16.362	-7.569	-0.4695	-1.74	-55.4985	567.4095	1
43269_3270	43269	3270	-33.423	-24.4635	-0.0435	-4.035	-73.6425	2048.625	1
43270_3270	43270	3270	-16.7775	-7.5945	-0.4035	0.7845	-60.9285	659.961	1
43270_3271	43270	3271	-32.484	-15.3975	0.0645	2.8425	-68.877	1857.116	1
43271_3271	43271	3271	-16.773	-8.193	0.4215	-2.9565	-65.8035	751.8225	1
43271_3272	43271	3272	-31.617	-16.833	-0.6255	-4.419	-70.431	1755.435	1
43272_3272	43272	3272	-16.6995	-8.3385	0.459	-0.5115	-62.8935	809.421	1
43272_3273	43272	3273	-29.8575	-10.545	-0.4815	-0.3045	-70.491	1575.744	1
43273_3273	43273	3273	-16.956	-8.604	0.5115	3.075	-58.074	888.219	1
43273_3274	43273	3274	-27.921	-5.856	-0.2895	4.74	-67.6875	1388.118	1
43274_3274	43274	3274	-16.749	-12.006	2.2995	-2.9385	-54.039	959.208	1
43274_3275	43274	3275	-26.6535	-23.172	2.6895	-3.084	-59.709	1376.223	1
43275_3275	43275	3275	-16.6095	-12.1965	2.3145	-0.9975	-48.657	991.263	1
43275_3276	43275	3276	-24.123	-16.344	2.463	-0.984	-31.1685	1291.568	1
43276_3276	43276	3276	-16.776	-12.5805	2.328	2.6055	-28.311	1097.304	1
43276_3277	43276	3277	-21.3615	-10.0575	2.295	2.613	-5.7825	1141.034	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43277_3277	43277	3277	-16.4865	-16.6485	-3.474	3.1095	-8.0505	1207.227	1
43277_3278	43277	3278	-17.226	-15.207	-1.728	5.001	-19.5765	1020.134	1
43278_3278	43278	3278	-16.3245	-17.316	-3.345	7.2705	-43.185	1381.581	1
43278_3279	43278	3279	-13.992	-8.5965	-1.5675	7.0245	-29.664	831.1755	1
43279_3279	43279	3279	-52.0515	19.5405	-0.2895	-1.9545	-30.9765	802.1565	1
43279_3280	43279	3280	67.74	-26.0025	0.987	-20.952	-47.0415	1160.976	1
43280_3280	43280	3280	-55.431	18.5055	0.2265	-1.581	-35.9145	725.301	1
43280_3281	43280	3281	63.813	-35.739	0.21	-3.3285	-40.188	1224.435	1
43281_3281	43281	3281	-64.026	15.489	0.4665	0.3705	-42.8115	614.499	1
43281_3282	43281	3282	57.7065	-27.846	-0.204	-0.0105	-34.7775	1284.548	1
43282_3282	43282	3282	-77.0535	12.3135	0.825	1.905	-49.2255	480.9555	1
43282_3283	43282	3283	52.4055	-20.6295	-0.4875	3.1815	-33.858	1264.448	1
43283_3283	43283	3283	-88.2885	10.638	2.424	-0.0105	-50.571	1268.646	1
43283_3284	43283	3284	45.693	-22.0665	1.4565	-2.166	-8.061	4270.452	1
43284_3284	43284	3284	-89.598	5.706	3.486	1.3995	-27.4155	339.0525	1
43284_3285	43284	3285	41.496	-10.7595	0.8115	2.205	4.2405	1202.172	1
43285_3285	43285	3285	-82.5915	3.6795	-0.3825	0.4275	13.752	275.025	1
43285_3286	43285	3286	43.5195	-35.0835	-0.0735	-2.7135	-4.0275	1239.377	1
43286_3286	43286	3286	-68.0085	-2.7165	0.1185	-0.2685	-17.5065	305.124	1
43286_3287	43286	3287	48.207	-25.206	-0.2505	1.755	-7.752	1189.581	1
43287_3287	43287	3287	-71.2365	-4.698	-1.221	-1.5135	-16.017	335.001	1
43287_3288	43287	3288	55.4265	-30.1665	-0.3585	-2.436	-12.18	1226.445	1
43288_3288	43288	3288	-78.45	-5.6925	-1.0215	-0.1725	-29.433	394.029	1
43288_3289	43288	3289	64.023	-20.724	-0.759	1.116	-22.413	1175.334	1
43289_3289	43289	3289	-78.4515	-10.65	-0.3585	-2.04	-33.6195	469.008	1
43289_3290	43289	3290	70.842	-28.2195	-0.054	-2.877	-25.4805	1204.415	1
43290_3290	43290	3290	-66.5115	-13.0065	-0.261	-0.684	-30.021	570.4545	1
43290_3291	43290	3291	77.064	-21.5925	-0.366	-0.5985	-31.6125	1179.575	1
43291_3291	43291	3291	-56.4285	-15.522	-0.2055	0.7845	-26.937	683.0115	1
43291_3292	43291	3292	82.968	-15.6555	-0.675	1.2945	-40.9635	1118.343	1
43292_3292	43292	3292	-48.8625	-19.161	0.5445	3.288	-24.5955	812.9325	1
43292_3293	43292	3293	84.861	-27.771	1.674	-4.614	-38.2215	1131.636	1
43293_3293	43293	3293	-0.7605	13.9365	0.237	-3.666	-22.185	1619.864	1
43293_3294	43293	3294	-8.3955	-42.7725	0.477	-1.563	-12.177	1039.866	1
43294_3294	43294	3294	-1.101	13.704	0.225	3.1425	-21.291	1503.267	1
43294_3295	43294	3295	-7.0215	-36.0765	0.9705	2.484	-4.4025	1237.424	1
43295_3295	43295	3295	-1.602	10.224	0.369	-4.431	-18.5925	1368.947	1
43295_3296	43295	3296	-9.0375	-64.998	-0.189	-5.1405	0.336	1557.834	1
43296_3296	43296	3296	-1.779	10.146	0.381	0.8805	-14.9385	1257.873	1
43296_3297	43296	3297	-7.62	-58.305	-0.1695	0.441	-2.0055	1760.706	1
43297_3297	43297	3297	-1.797	9.96	0.399	4.386	-12.072	1173.657	1
43297_3298	43297	3298	-6.723	-54.876	-0.1605	5.028	-3.339	1843.308	1
43298_3298	43298	3298	-1.9215	7.8045	-0.2595	-2.628	-10.2765	1130.727	1
43298_3299	43298	3299	-6.195	-59.3145	-0.5265	-4.5945	-8.7105	2057.55	1
43299_3299	43299	3299	-1.947	7.7985	-0.255	-0.288	-12.417	1066.452	1
43299_3300	43299	3300	-6.027	-53.0175	-0.474	-0.447	-13.0845	2205.447	1
43300_3300	43300	3300	-1.947	7.7985	-0.2505	1.6215	-14.3145	1008.86	1
43300_3301	43300	3301	-6.0225	-47.1765	-0.405	3.2445	-16.2795	2309.922	1
43301_3301	43301	3301	-1.8015	6.48	0.228	-2.076	-16.23	953.8095	1
43301_3302	43301	3302	-5.9805	-50.2215	0.3375	-5.412	-11.739	2537.918	1
43302_3302	43302	3302	-1.7595	6.462	0.234	1.2585	-13.509	875.547	1
43302_3303	43302	3303	-5.9385	-40.311	0.3315	3.435	-7.317	2635.287	1
43303_3303	43303	3303	-1.761	5.7165	0.1125	-1.1835	-10.647	796.782	1
43303_3304	43303	3304	-5.9025	-44.3415	0.102	-4.392	-5.739	2780.132	1
43304_3304	43304	3304	-1.7595	5.7165	0.117	1.0035	-9.213	723.423	1
43304_3305	43304	3305	-5.8785	-35.301	0.1155	3.3135	-4.062	2788.131	1
43305_3305	43305	3305	-1.5765	5.2455	0.129	-0.9345	-7.9485	658.1955	1
43305_3306	43305	3306	-5.8995	-17.4225	0.1425	-5.028	-2.448	2877.428	1
43306_3306	43306	3306	-1.5765	5.2455	0.135	1.2495	-6.2475	588.78	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43306_3307	43306	3307	-5.8785	-8.538	0.1635	5.292	-0.339	2836.082	1
43307_3307	43307	3307	-1.575	5.0325	0.186	-0.4965	-4.7655	530.8755	1
43307_3308	43307	3308	-5.853	-14.508	0.1305	-4.659	1.698	2865.41	1
43308_3308	43308	3308	-1.53	5.0295	0.1905	1.071	-2.439	467.649	1
43308_3309	43308	3309	-5.8095	-5.0835	0.141	4.575	3.6285	2762.811	1
43309_3309	43309	3309	-1.5285	4.9845	0.1785	-0.1005	-0.2025	408.7995	1
43309_3310	43309	3310	-5.7225	-11.37	0.1815	-4.0725	5.913	2723.504	1
43310_3310	43310	3310	-1.5285	4.9845	0.183	0.924	1.9185	349.6485	1
43310_3311	43310	3311	-5.538	-0.879	0.216	3.51	8.8215	2530.248	1
43311_3311	43311	3311	-1.5255	5.154	0.519	0.189	4.1925	287.784	1
43311_3312	43311	3312	-5.2185	-4.3215	-0.1065	-3.4245	7.89	2351.084	1
43312_3312	43312	3312	-1.524	5.154	0.5235	0.897	10.482	225.3705	1
43312_3313	43312	3313	-4.6995	7.581	-0.2175	3.4335	3.402	1970.157	1
43313_3313	43313	3313	-1.3125	5.115	-0.5955	0.3435	16.9875	162.9585	1
43313_3314	43313	3314	-4.3245	16.926	0.45	-1.4865	7.9005	1482.209	1
43314_3314	43314	3314	-0.816	4.998	-0.525	0.6945	10.3875	98.4285	1
43314_3315	43314	3315	-3.252	32.184	0.447	3.258	10.9905	701.712	1
43315_3315	43315	3315	0.918	4.2435	-1.161	0.7335	9.4995	38.4255	1
43315_3316	43315	3316	2.4975	-4.6455	-0.3525	-1.704	0	15.0735	1

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
3000_3000	3000	3000	-0.906	-4.6455	0.1095	-0.18	0	-3.192	1
3000_3001	3000	3001	-5.625	5.0865	-0.153	0.1935	-2.271	-44.916	1
3001_3001	3001	3001	-83.5365	18.3585	-0.1005	-0.015	-1.4925	-640.721	1
3001_3002	3001	3002	-9.9615	5.0865	-0.153	0.1815	-3.855	-77.772	1
3002_3002	3002	3002	-118.541	15.627	0.1305	0.2655	-3.1425	-907.245	1
3002_3003	3002	3003	-14.9685	5.0505	0.2115	0.1965	-1.245	-115.916	1
3003_3003	3003	3003	-152.942	-2.9955	0.1425	-0.15	-1.6935	-1168.42	1
3003_3004	3003	3004	-20.0055	5.0505	0.2115	0.1515	1.3305	-154.097	1
3004_3004	3004	3004	-169.695	0.3045	0.045	0.2055	0.072	-1295.96	1
3004_3005	3004	3005	-25.08	5.0835	0.0945	0.18	2.472	-192.525	1
3005_3005	3005	3005	-186.992	-10.2435	0.0525	-0.0525	0.771	-1427.29	1
3005_3006	3005	3006	-30.153	5.0835	0.0945	0.141	3.6135	-230.978	1
3006_3006	3006	3006	-191.865	-3.711	0.0405	0.369	1.6455	-1464.23	1
3006_3007	3006	3007	-35.175	5.0355	0.0615	0.1875	4.3695	-269.034	1
3007_3007	3007	3007	-202.056	-13.7445	0.0435	-0.195	2.427	-1541.37	1
3007_3008	3007	3008	-40.1985	5.0355	0.0615	0.084	5.124	-307.112	1
3008_3008	3008	3008	-201.252	-6.8235	0.042	0.198	3.2865	-1535.1	1
3008_3009	3008	3009	-45.1485	4.986	0.0525	0.132	5.727	-344.808	1
3009_3009	3009	3009	-206.474	-16.8195	0.0435	-0.0735	4.1145	-1574.49	1
3009_3010	3009	3010	-50.1045	4.9905	0.051	0.069	6.3255	-382.529	1
3010_3010	3010	3010	-200.955	-10.3095	0.0525	0.297	4.938	-1532.51	1
3010_3011	3010	3011	-55.0395	4.9485	0.054	0.135	6.987	-419.934	1
3011_3011	3011	3011	-201.431	-39.7305	0.051	-0.252	5.2965	-1536.27	1
3011_3012	3011	3012	-59.973	4.9485	0.054	-0.018	7.6455	-457.326	1
3012_3012	3012	3012	-192.294	-34.128	0.066	0.0765	6.2385	-1466.87	1
3012_3013	3012	3013	-65.0175	5.055	0.069	0.048	8.4915	-495.561	1
3013_3013	3013	3013	-188.436	-43.917	0.0675	-0.159	7.3065	-1437.5	1
3013_3014	3013	3014	-70.0605	5.055	0.069	-0.042	9.336	-533.784	1
3014_3014	3014	3014	-173.723	-41.5065	0.0765	0.072	8.316	-1325.85	1
3014_3015	3014	3015	-77.379	5.4465	0.0375	0.0525	9.9075	-589.331	1
3015_3015	3015	3015	-170.237	-53.2905	0.0495	-0.1995	6.534	-1223.21	1
3015_3016	3015	3016	-86.2995	5.2005	0.0255	-0.1305	6.9765	-633.791	1
3016_3016	3016	3016	-149.19	-48.426	-0.0015	-0.003	6.8985	-1108.66	1
3016_3017	3016	3017	-84.8115	6.1005	0.0195	0	7.1505	-692.474	1
3017_3017	3017	3017	-117.138	-58.83	-0.0105	-0.264	6.573	-997.629	1
3017_3018	3017	3018	-76.386	6.018	0.0195	-0.249	7.359	-772.346	1
3018_3018	3018	3018	-74.016	-44.2575	0.015	-0.0555	5.0505	-785.768	1
3018_3019	3018	3019	-67.0905	6.7845	0.021	-0.0555	7.659	-857.522	1
3019_3019	3019	3019	-37.824	-53.481	-0.003	-0.2535	4.5075	-554.883	1
3019_3020	3019	3020	-57.345	7.032	0.021	-0.417	7.7955	-948.495	1
3020_3020	3020	3020	-102.993	-1.5615	-0.102	-0.015	8.0535	-401.385	1
3020_3021	3020	3021	-36.4275	-22.3695	-0.12	0.012	4.032	-385.907	1
3021_3021	3021	3021	-111.443	-7.0065	-0.0495	-0.069	4.8975	-494.486	1
3021_3022	3021	3022	-17.961	-15.45	-0.1095	-0.054	3.6405	-275.888	1
3022_3022	3022	3022	-117.192	-12.5055	-0.0315	-0.057	4.0395	-564.84	1
3022_3023	3022	3023	6.099	-3.3465	-0.1425	-0.081	6.627	-224.237	1
3023_3023	3023	3023	-120.161	-12.4965	-0.075	-0.033	3.4275	-617.868	1
3023_3024	3023	3024	7.152	-2.889	-0.1485	-0.084	5.4375	-209.439	1
3024_3024	3024	3024	-124.607	-18.654	-0.063	-0.0195	2.5005	-678.813	1
3024_3025	3024	3025	8.847	-2.8575	-0.1485	-0.084	4.2525	-195.107	1
3025_3025	3025	3025	-125.634	-25.5075	-0.0465	-0.081	1.7475	-713.388	1
3025_3026	3025	3026	9.138	-2.7645	-0.1515	-0.1035	3.039	-180.986	1
3026_3026	3026	3026	-123.699	-22.38	-0.054	0.0585	1.188	-721.433	1
3026_3027	3026	3027	10.3425	-2.1465	-0.1455	-0.0675	2.169	-172.92	1
3027_3027	3027	3027	-125.58	-27.588	-0.039	-0.0345	0.7785	-746.127	1
3027_3028	3027	3028	11.544	-2.1465	-0.153	-0.0945	1.251	-164.856	1
3028_3028	3028	3028	-125.726	-33.2025	-0.027	-0.0195	0.5295	-755.499	1
3028_3029	3028	3029	12.747	-2.1465	-0.153	-0.0945	0.333	-156.792	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3029_3029	3029	3029	-122.973	-38.991	-0.0105	-0.1215	0.4245	-742.686	1
3029_3030	3029	3030	13.9485	-2.1465	-0.1605	-0.12	-0.6345	-148.728	1
3030_3030	3030	3030	-121.065	-17.8515	0.033	0.0825	0.8715	-716.262	1
3030_3031	3030	3031	26.3565	3.1875	0.1575	0.108	2.727	-151.634	1
3031_3031	3031	3031	-121.917	-25.308	0.048	0.0255	1.332	-706.377	1
3031_3032	3031	3032	25.575	3.3255	0.1515	0.093	3.939	-167.769	1
3032_3032	3032	3032	-119.598	-32.175	0.063	-0.036	1.983	-669.773	1
3032_3033	3032	3033	9.18	11.4315	0.0915	0.0525	3.0795	-190.784	1
3033_3033	3033	3033	-113.723	-32.124	0.009	0.099	2.8335	-606.461	1
3033_3034	3033	3034	-15.3975	18.168	0.1125	0.069	2.7825	-259.359	1
3034_3034	3034	3034	-109.305	-38.262	0.0375	-0.0195	3.3435	-551.282	1
3034_3035	3034	3035	-37.4175	25.2	0.0945	-0.006	2.568	-358.982	1
3035_3035	3035	3035	-100.415	-43.9515	0.0705	0.0375	5.4915	-486.419	1
3035_3036	3035	3036	-62.94	35.2275	0.108	0.03	2.8815	-553.433	1
3036_3036	3036	3036	-20.2845	-5.6625	-0.012	-0.0885	0.0435	-245.13	1
3036_3037	3036	3037	-48.264	-10.0245	0.006	0.333	5.598	-787.817	1
3037_3037	3037	3037	-28.395	-0.5145	0.0105	0.054	3.678	-510.299	1
3037_3038	3037	3038	-54.4965	-9.4455	0.003	0.0915	5.658	-683.162	1
3038_3038	3038	3038	-55.923	-4.1955	0.0345	0.1905	4.0995	-711.779	1
3038_3039	3038	3039	-58.815	-8.034	-0.003	0.2295	5.6415	-592.116	1
3039_3039	3039	3039	-90.9855	-13.6515	0.039	-0.018	5.0115	-879.326	1
3039_3040	3039	3040	-58.5705	-7.686	-0.006	0.0075	5.6325	-519.096	1
3040_3040	3040	3040	-111.923	-12.4545	-0.054	0.1185	5.8545	-958.409	1
3040_3041	3040	3041	-55.1985	-6.6225	-0.039	0.093	5.3055	-481.482	1
3041_3041	3041	3041	-140.684	-20.2905	-0.0255	-0.012	2.6565	-956.273	1
3041_3042	3041	3042	-52.2165	-6.552	-0.0195	0.003	2.196	-381.782	1
3042_3042	3042	3042	-149.294	-17.49	-0.0105	0.0345	2.4495	-1010.65	1
3042_3043	3042	3043	-45.243	-5.8665	-0.006	0.0105	2.118	-339.558	1
3043_3043	3043	3043	-161.174	-27.1155	-0.009	-0.03	2.424	-1080.07	1
3043_3044	3043	3044	-38.268	-5.8665	-0.0075	-0.0135	2.0295	-297.327	1
3044_3044	3044	3044	-163.175	-21.729	-0.003	0.063	2.3895	-1086.87	1
3044_3045	3044	3045	-31.5765	-5.6295	-0.0075	0	1.935	-256.812	1
3045_3045	3045	3045	-172.062	-31.674	-0.003	-0.084	2.4075	-1135.04	1
3045_3046	3045	3046	-33.3975	5.907	0.0135	0.024	1.8795	-226.776	1
3046_3046	3046	3046	-170.136	-8.022	0.0015	-0.0015	2.421	-1111.99	1
3046_3047	3046	3047	-40.449	5.934	0.0135	0.024	2.034	-269.475	1
3047_3047	3047	3047	-174.539	-18.7305	0.003	0.0015	2.409	-1138.16	1
3047_3048	3047	3048	-47.505	5.934	0.0135	0.0225	2.19	-312.207	1
3048_3048	3048	3048	-166.757	-12.708	0.006	-0.0195	2.424	-1091.52	1
3048_3049	3048	3049	-54.678	6.0315	0.0135	0.003	2.352	-355.637	1
3049_3049	3049	3049	-165.459	-23.4825	0.0075	-0.006	2.442	-1084.58	1
3049_3050	3049	3050	-61.8435	6.0315	0.0135	0.0045	2.514	-399.026	1
3050_3050	3050	3050	-153.981	-18.4155	0.018	-0.0105	2.472	-1014.3	1
3050_3051	3050	3051	-72.0315	6.405	0.0135	-0.006	2.7405	-460.721	1
3051_3051	3051	3051	-137.786	-32.4525	0.024	-0.0915	3.0765	-995.066	1
3051_3052	3051	3052	-71.535	6.315	0.0165	-0.072	3.318	-513.276	1
3052_3052	3052	3052	-123.249	-27.8655	-0.024	-0.0195	3.186	-921.408	1
3052_3053	3052	3053	-72.351	6.96	0.006	-0.018	3.387	-575.645	1
3053_3053	3053	3053	-90.0435	-37.791	-0.0315	-0.2625	3.7155	-901.896	1
3053_3054	3053	3054	-60.5385	7.2555	0.006	-0.267	4.677	-694.517	1
3054_3054	3054	3054	-56.2515	-42.7845	0.0165	-0.0585	3.069	-727.98	1
3054_3055	3054	3055	-53.6745	7.977	0.021	-0.045	4.9245	-785.25	1
3055_3055	3055	3055	-27.4905	-52.1505	0	-0.2805	2.8335	-524.606	1
3055_3056	3055	3056	-46.0455	8.3145	0.0195	-0.4695	5.1225	-882.977	1
3056_3056	3056	3056	-96.6225	-1.701	-0.0615	-0.0585	4.938	-411.402	1
3056_3057	3056	3057	-26.0685	-21.429	-0.0945	-0.0195	2.8365	-351.54	1
3057_3057	3057	3057	-106.464	-7.452	-0.033	-0.1455	3.402	-529.682	1
3057_3058	3057	3058	-3.909	-13.5885	-0.096	-0.132	3	-261.797	1
3058_3058	3058	3058	-113.384	-13.146	-0.018	-0.1185	2.8095	-613.253	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3058_3059	3058	3059	11.154	-3.456	-0.1095	-0.192	4.866	-236.628	1
3059_3059	3059	3059	-117.236	-13.122	-0.0585	-0.021	2.424	-675.336	1
3059_3060	3059	3060	11.8785	-3.024	-0.1065	-0.18	4.0065	-220.575	1
3060_3060	3060	3060	-122.259	-19.3725	-0.0465	-0.1425	1.7445	-744.392	1
3060_3061	3060	3061	13.1385	-2.976	-0.1125	-0.2265	3.1125	-204.908	1
3061_3061	3061	3061	-123.918	-26.286	-0.039	-0.1125	1.2045	-784.304	1
3061_3062	3061	3062	13.707	-2.904	-0.111	-0.2235	2.232	-189.576	1
3062_3062	3062	3062	-122.642	-23.0505	-0.0345	-0.0435	0.777	-795.018	1
3062_3063	3062	3063	14.9325	-2.3685	-0.1155	-0.2085	1.539	-180.258	1
3063_3063	3063	3063	-124.68	-28.2555	-0.0255	-0.018	0.519	-822.132	1
3063_3064	3063	3064	14.313	1.9245	0.117	0.2325	0.603	-180.435	1
3064_3064	3064	3064	-124.799	-17.7525	0.0195	0.093	0.336	-832.934	1
3064_3065	3064	3065	13.317	1.9245	0.117	0.2325	1.3065	-188.004	1
3065_3065	3065	3065	-124.175	-23.3295	0.0315	-0.123	0.492	-821.391	1
3065_3066	3065	3066	12.324	1.9245	0.111	0.1785	1.968	-195.563	1
3066_3066	3066	3066	-121.877	-17.7885	0.03	0.1305	0.7665	-793.425	1
3066_3067	3066	3067	13.038	2.6595	0.1125	0.246	2.8455	-209.366	1
3067_3067	3067	3067	-122.844	-25.2585	0.039	0.1605	1.1745	-781.847	1
3067_3068	3067	3068	11.2035	2.6595	0.1125	0.246	3.7485	-223.314	1
3068_3068	3068	3068	-120.906	-32.163	0.054	-0.138	1.698	-741.381	1
3068_3069	3068	3069	11.5665	2.775	0.102	0.147	4.5555	-237.698	1
3069_3069	3069	3069	-115.688	-31.9995	0.006	0.1755	2.385	-672.471	1
3069_3070	3069	3070	-3.2175	13.623	0.0975	0.1725	2.784	-266.913	1
3070_3070	3070	3070	-111.746	-38.2665	0.0255	0.075	2.7795	-611.309	1
3070_3071	3070	3071	-26.382	21.528	0.0855	0.0795	2.352	-357.737	1
3071_3071	3071	3071	-104.508	-43.956	0.054	-0.0135	4.0065	-529.157	1
3071_3072	3071	3072	-52.809	32.655	0.084	-0.018	2.2155	-528.207	1
3072_3072	3072	3072	-21.915	-0.9465	-0.0225	0.195	2.9145	-283.808	1
3072_3073	3072	3073	-52.9575	-8.085	-0.018	0.4215	4.7775	-803.531	1
3073_3073	3073	3073	-30.675	-0.3495	-0.0015	0.057	2.988	-531.194	1
3073_3074	3073	3074	-60.414	-7.6275	-0.018	0.102	4.6365	-712.92	1
3074_3074	3074	3074	-58.062	-4.2405	0.0165	0.2745	3.177	-741.29	1
3074_3075	3074	3075	-65.7735	-6.873	-0.0105	0.3255	4.5075	-630.393	1
3075_3075	3075	3075	-102.266	-13.86	0.012	-0.0495	2.6925	-868.26	1
3075_3076	3075	3076	-72.9255	-6.5985	-0.009	-0.0165	3.231	-532.596	1
3076_3076	3076	3076	-125.282	-12.291	-0.012	0.1815	3.0105	-948.899	1
3076_3077	3076	3077	-70.023	-5.8215	-0.009	0.132	3.1545	-499.799	1
3077_3077	3077	3077	-129.858	-19.5645	-0.0195	-0.105	4.311	-1047.09	1
3077_3078	3077	3078	-57.0855	-5.9985	-0.0135	-0.0375	4.3245	-452.303	1
3078_3078	3078	3078	-140.03	-17.8665	-0.021	0.012	4.245	-1120.44	1
3078_3079	3078	3079	-51.465	-5.7765	-0.0255	0.0015	4.0425	-411.551	1
3079_3079	3079	3079	-154.584	-9.294	-0.0165	0.06	4.1625	-1205.64	1
3079_3080	3079	3080	-46.065	-5.7675	-0.0255	0.0015	3.771	-370.824	1
3080_3080	3080	3080	-158.141	-3.1185	-0.0045	0.114	3.975	-1224.85	1
3080_3081	3080	3081	-40.6455	-5.5635	-0.0195	-0.009	3.549	-331.539	1
3081_3081	3081	3081	-167.459	-13.092	-0.0045	-0.06	3.8985	-1287.58	1
3081_3082	3081	3082	-35.2305	-5.5635	-0.021	-0.06	3.321	-292.286	1
3082_3082	3082	3082	-166.503	-6.3375	0.003	0.0885	3.828	-1278.03	1
3082_3083	3082	3083	-29.487	-5.4915	-0.0225	-0.0465	3.054	-250.643	1
3083_3083	3083	3083	-171.732	-17.031	0.0045	-0.0915	3.84	-1315.71	1
3083_3084	3083	3084	-36.921	5.2035	0.0255	0.039	3.2025	-289.532	1
3084_3084	3084	3084	-165.789	-29.2545	-0.0015	0.0315	3.8895	-1272.77	1
3084_3085	3084	3085	-42.024	5.244	0.0255	0.057	3.48	-326.525	1
3085_3085	3085	3085	-166.554	-38.8365	-0.0015	-0.1485	3.891	-1278.2	1
3085_3086	3085	3086	-47.13	5.244	0.024	0.003	3.7545	-363.546	1
3086_3086	3086	3086	-156.009	-14.856	0.0165	0.027	3.846	-1212.88	1
3086_3087	3086	3087	-52.02	5.364	0.024	0.021	4.005	-401.325	1
3087_3087	3087	3087	-152.175	-24.8535	0.015	-0.132	3.9585	-1189.98	1
3087_3088	3087	3088	-57.24	5.364	0.024	-0.0405	4.272	-439.164	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3088_3088	3088	3088	-140.415	-19.9365	0.0375	-0.0015	4.0125	-1107.35	1
3088_3089	3088	3089	-64.155	5.7045	0.03	-0.0015	4.6995	-489.3	1
3089_3089	3089	3089	-128.511	-32.244	0.0345	-0.204	3.915	-1089.8	1
3089_3090	3089	3090	-65.4975	5.583	0.027	-0.147	4.4505	-546.194	1
3090_3090	3090	3090	-114.209	-27.63	-0.027	0	4.08	-1005.35	1
3090_3091	3090	3091	-65.208	6.243	0.006	0	4.5015	-604.781	1
3091_3091	3091	3091	-89.682	-37.7505	-0.0345	-0.2655	4.443	-928.209	1
3091_3092	3091	3092	-58.4115	6.3915	0.006	-0.273	5.712	-687.753	1
3092_3092	3092	3092	-54.993	-42.6195	0.0285	-0.0855	3.726	-738.927	1
3092_3093	3092	3093	-51.432	7.155	0.033	-0.1065	6.102	-771.461	1
3093_3093	3093	3093	-26.154	-52.269	0.0075	-0.2385	3.57	-524.367	1
3093_3094	3093	3094	-43.8375	7.4565	0.0315	-0.4065	6.438	-861.381	1
3094_3094	3094	3094	-94.989	-1.608	-0.0705	-0.0165	5.664	-412.494	1
3094_3095	3094	3095	-24.6765	-20.9265	-0.12	0.0135	3.2925	-350.942	1
3095_3095	3095	3095	-101.366	-7.437	-0.0405	-0.1875	5.004	-542.768	1
3095_3096	3095	3096	-2.2095	-13.398	-0.1575	-0.162	4.344	-268.395	1
3096_3096	3096	3096	-107.514	-13.254	-0.0165	-0.156	4.2075	-628.757	1
3096_3097	3096	3097	11.322	-3.426	-0.18	-0.2175	7.0155	-241.683	1
3097_3097	3097	3097	-110.703	-13.0275	-0.0915	-0.018	3.735	-692.045	1
3097_3098	3097	3098	11.7645	-2.9445	-0.18	-0.18	5.583	-225.332	1
3098_3098	3098	3098	-115.131	-19.386	-0.0735	-0.1575	2.7075	-763.764	1
3098_3099	3098	3099	12.4485	-2.8665	-0.1875	-0.2325	4.089	-209.619	1
3099_3099	3099	3099	-116.378	-26.439	-0.0615	-0.132	1.8915	-804.788	1
3099_3100	3099	3100	12.801	-2.775	-0.186	-0.231	2.61	-194.372	1
3100_3100	3100	3100	-114.833	-22.791	-0.0435	-0.558	1.245	-814.706	1
3100_3101	3100	3101	13.2285	-2.1975	-0.21	-0.351	1.356	-185.387	1
3101_3101	3101	3101	-116.699	-28.0635	-0.0315	-0.612	0.9255	-843.776	1
3101_3102	3101	3102	17.0205	2.3445	0.153	0.096	0.7995	-187.284	1
3102_3102	3102	3102	-116.424	-17.823	0.015	0.816	0.8265	-856.311	1
3102_3103	3102	3103	15.885	2.3445	0.2115	0.405	2.0655	-196.814	1
3103_3103	3103	3103	-115.869	-23.4885	0.0345	0.453	1.014	-845.163	1
3103_3104	3103	3104	15.348	2.3535	0.201	0.339	3.255	-206.394	1
3104_3104	3104	3104	-113.712	-17.484	0.0495	0.1665	1.386	-816.437	1
3104_3105	3104	3105	14.7285	2.9415	0.1845	0.2595	4.7145	-222.213	1
3105_3105	3105	3105	-114.873	-25.131	0.066	0.009	2.085	-806.891	1
3105_3106	3105	3106	14.0265	3.0045	0.177	0.2085	6.1245	-238.361	1
3106_3106	3106	3106	-113.243	-32.193	0.0795	0.0375	2.988	-766.11	1
3106_3107	3106	3107	13.218	3.075	0.1785	0.2085	7.545	-254.933	1
3107_3107	3107	3107	-108.44	-31.845	-0.0045	0.09	4.0665	-694.578	1
3107_3108	3107	3108	14.0775	3.6915	0.171	0.201	8.8365	-273.603	1
3108_3108	3108	3108	-104.912	-38.307	0.018	0.117	4.608	-631.574	1
3108_3109	3108	3109	-21.498	20.937	0.141	0.0975	3.8865	-361.259	1
3109_3109	3109	3109	-101.153	-44.0265	0.0435	0.0285	4.9125	-532.238	1
3109_3110	3109	3110	-48.7935	31.7355	0.111	0.0015	2.8875	-517.644	1
3110_3110	3110	3110	-18.966	-2.097	-0.0225	0.1935	2.8275	-323.141	1
3110_3111	3110	3111	-51.1935	-8.397	-0.036	0.501	6.615	-811.254	1
3111_3111	3111	3111	-29.8905	-0.849	-0.0135	0.0105	4.1085	-541.907	1
3111_3112	3111	3112	-58.1715	-7.965	-0.0375	0.039	6.237	-717.273	1
3112_3112	3112	3112	-56.2035	-4.632	0.0165	0.24	4.269	-750.048	1
3112_3113	3112	3113	-62.9595	-7.1895	-0.015	0.3015	6.0075	-631.932	1
3113_3113	3113	3113	-90.6075	-14.7345	0.015	-0.0675	3.915	-918.077	1
3113_3114	3113	3114	-64.1595	-7.0155	-0.0135	-0.0255	4.6485	-558.855	1
3114_3114	3114	3114	-109.73	-13.3065	-0.0495	0.066	4.3875	-993.633	1
3114_3115	3114	3115	-61.113	-6.432	-0.036	0.0825	4.344	-521.211	1
3115_3115	3115	3115	-135.72	-20.439	-0.0405	0.0195	3.435	-961.596	1
3115_3116	3115	3116	-58.9215	-6.48	-0.03	0.018	3.1725	-412.917	1
3116_3116	3116	3116	-142.532	-17.9235	-0.018	0.0975	3.006	-1006.94	1
3116_3117	3116	3117	-52.5165	-6.0915	-0.0195	0.036	2.9475	-371.895	1
3117_3117	3117	3117	-152.954	-27.3465	-0.0195	-0.1125	2.8845	-1071.55	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3117_3118	3117	3118	-46.755	-6.066	-0.021	-0.048	2.733	-330.989	1
3118_3118	3118	3118	-154.521	-21.5385	-0.0165	0.093	2.7015	-1077.13	1
3118_3119	3118	3119	-40.473	-5.979	-0.0225	0.0015	2.484	-290.771	1
3119_3119	3119	3119	-162.513	-31.1415	-0.0195	-0.132	2.5245	-1123.57	1
3119_3120	3119	3120	-34.1925	-5.979	-0.0225	-0.0645	2.223	-250.553	1
3120_3120	3120	3120	-160.202	-24.5595	-0.0135	0.0165	2.3115	-1104.44	1
3120_3121	3120	3121	-27.4995	-5.928	-0.024	-0.0405	1.9395	-207.695	1
3121_3121	3121	3121	-165.341	-35.082	-0.0135	-0.084	2.139	-1134.2	1
3121_3122	3121	3122	-21.5805	3.6045	0.006	0.0165	1.407	-177.666	1
3122_3122	3122	3122	-157.446	-29.1855	-0.012	0.003	1.9755	-1082.63	1
3122_3123	3122	3123	-25.4415	3.675	0.0075	0.024	1.485	-202.385	1
3123_3123	3123	3123	-156.866	-39.1035	-0.012	-0.1005	1.8375	-1080.09	1
3123_3124	3123	3124	-29.304	3.675	0.006	0	1.557	-227.126	1
3124_3124	3124	3124	-144.893	-32.997	0.0015	0.0315	1.7145	-1006.54	1
3124_3125	3124	3125	-33.2685	3.87	0.0075	0.0255	1.6425	-253.149	1
3125_3125	3125	3125	-137.921	-26.082	0.0045	-0.135	1.7205	-978.414	1
3125_3126	3125	3126	-37.1085	3.8805	0.006	-0.033	1.7025	-279.195	1
3126_3126	3126	3126	-124.43	-20.9325	0.0045	0.009	1.722	-895.035	1
3126_3127	3126	3127	-42.54	4.251	0.0045	0.003	1.767	-314.33	1
3127_3127	3127	3127	-118.317	-33.1815	0.0045	-0.0855	1.554	-845.241	1
3127_3128	3127	3128	-46.2255	4.194	0.003	-0.048	1.614	-342.329	1
3128_3128	3128	3128	-102.957	-27.8625	0.003	0.0225	1.584	-768.005	1
3128_3129	3128	3129	-47.028	5.1945	0.015	0.0105	1.7775	-387.477	1
3129_3129	3129	3129	-71.8905	-38.103	0.003	-0.234	1.9275	-747.525	1
3129_3130	3129	3130	-38.586	5.58	0.0165	-0.1845	2.346	-477.887	1
3130_3130	3130	3130	-40.6095	-43.569	-0.084	-0.072	1.9965	-575.747	1
3130_3131	3130	3131	-67.329	27.3075	0.054	0.153	-1.2165	-667.697	1
3131_3131	3131	3131	-13.995	-53.2725	-0.102	-0.1125	0.7545	-372.575	1
3131_3132	3131	3132	-77.7045	39.6495	0.057	0.1335	-0.7215	-956.826	1
3132_3132	3132	3132	-85.0155	1.665	0.12	-0.252	0.177	-286.433	1
3132_3133	3132	3133	-28.2195	-22.8135	-0.123	-0.225	1.392	-318.881	1
3133_3133	3133	3133	-99.0885	-4.806	0.1185	-0.189	0.9615	-420.504	1
3133_3134	3133	3134	-12.879	-16.248	-0.0915	-0.1005	0.7485	-208.458	1
3134_3134	3134	3134	-107.982	-10.8765	0.0855	0.4545	1.7055	-510.513	1
3134_3135	3134	3135	18.972	-1.602	0.0345	0.255	-1.7745	-167.204	1
3135_3135	3135	3135	-113.453	-11.667	-0.066	-0.012	2.277	-579.05	1
3135_3136	3135	3136	19.3455	-0.519	0.0795	0.0975	-1.14	-164.615	1
3136_3136	3136	3136	-119.775	-18.3345	-0.0615	0	1.674	-651.626	1
3136_3137	3136	3137	18.8355	-0.492	0.078	0.0975	-0.465	-162.113	1
3137_3137	3137	3137	-121.805	-25.68	-0.054	-0.084	1.1265	-691.931	1
3137_3138	3137	3138	18.0135	-0.456	0.0705	0.0735	0.1545	-159.753	1
3138_3138	3138	3138	-120.179	-21.417	-0.024	0.0045	0.6495	-701.447	1
3138_3139	3138	3139	17.8995	0.21	0.0615	0.09	0.519	-160.542	1
3139_3139	3139	3139	-120.147	-12.171	0.006	0.0465	0.4515	-735.512	1
3139_3140	3139	3140	18.3795	0.2205	0.0615	0.0915	0.8715	-161.367	1
3140_3140	3140	3140	-122.178	-18.27	0.0135	-0.087	0.501	-748.82	1
3140_3141	3140	3141	18.825	0.228	0.054	0.06	1.182	-162.212	1
3141_3141	3141	3141	-121.028	-24.186	0.018	0.072	0.63	-737.994	1
3141_3142	3141	3142	18.6975	0.228	0.0615	0.0915	1.5555	-163.071	1
3142_3142	3142	3142	-117.83	-17.757	0.0165	0.0495	0.81	-709.983	1
3142_3143	3142	3143	19.3635	0.7515	0.063	0.0825	2.046	-166.775	1
3143_3143	3143	3143	-118.434	-25.6815	0.0225	-0.0375	1.062	-701.501	1
3143_3144	3143	3144	20.754	0.858	0.0585	0.06	2.496	-170.802	1
3144_3144	3144	3144	-115.365	-33.018	0.0255	0.069	1.3875	-661.979	1
3144_3145	3144	3145	21.4995	0.9525	0.066	0.0855	3.012	-175.326	1
3145_3145	3145	3145	-108.215	-32.8455	-0.03	-0.012	1.752	-591.663	1
3145_3146	3145	3146	-9.291	16.1025	0.0615	0.015	1.287	-229.098	1
3146_3146	3146	3146	-102.425	-39.525	-0.024	0.066	1.725	-528.639	1
3146_3147	3146	3147	-29.8665	23.073	0.0675	0.042	1.32	-323.234	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3147_3147	3147	3147	-91.7655	-45.696	-0.0105	0.0255	1.8615	-450.623	1
3147_3148	3147	3148	-56.271	34.9455	0.0675	0.0075	1.386	-512.361	1
3148_3148	3148	3148	-13.1745	-2.712	-0.012	0.075	1.2345	-273.095	1
3148_3149	3148	3149	-36.99	-10.0455	-0.012	0.1965	2.817	-697.089	1
3149_3149	3149	3149	-18.711	-1.0515	0.003	0.0315	1.6875	-452.975	1
3149_3150	3149	3150	-42.1185	-9.2235	-0.012	0.072	2.7015	-597.959	1
3150_3150	3150	3150	-42.582	-5.058	0.0135	0.066	1.77	-640.302	1
3150_3151	3150	3151	-44.718	-8.1885	-0.0075	0.105	2.595	-509.186	1
3151_3151	3151	3151	-81.96	-14.6775	0.0165	0.0225	1.692	-738.29	1
3151_3152	3151	3152	-49.245	-7.539	-0.006	0.024	2.049	-409.079	1
3152_3152	3152	3152	-99.4275	-13.2945	-0.021	0.003	1.959	-792.441	1
3152_3153	3152	3153	-45.1875	-6.6885	-0.015	0.0135	1.929	-373.311	1
3153_3153	3153	3153	-118.778	-19.9875	-0.015	0.006	1.5045	-812.741	1
3153_3154	3153	3154	-39.624	-6.573	-0.012	0.003	1.4355	-302.927	1
3154_3154	3154	3154	-122.982	-17.9985	-0.0105	0.018	1.38	-843.614	1
3154_3155	3154	3155	-32.5215	-6.243	-0.009	0	1.332	-262.658	1
3155_3155	3155	3155	-131.822	-27.462	-0.012	-0.027	1.3005	-895.77	1
3155_3156	3155	3156	-25.4175	-6.243	-0.0105	-0.015	1.2165	-222.386	1
3156_3156	3156	3156	-131.273	-22.7715	-0.0045	-0.006	1.206	-892.056	1
3156_3157	3156	3157	-19.0515	-6.15	-0.009	-0.015	1.122	-186.293	1
3157_3157	3157	3157	-136.407	-31.656	-0.003	-0.003	1.182	-920.051	1
3157_3158	3157	3158	-12.684	-6.15	-0.009	-0.015	1.026	-150.198	1
3158_3158	3158	3158	-132.539	-25.95	-0.0015	-0.0075	1.1775	-896.837	1
3158_3159	3158	3159	-15.912	5.3655	0.009	0.012	1.0935	-166.209	1
3159_3159	3159	3159	-135.938	-18.939	0.0045	0.0045	1.209	-916.887	1
3159_3160	3159	3160	-21.4725	5.3655	0.009	0.012	1.1895	-197.738	1
3160_3160	3160	3160	-130.58	-12.864	0.0105	0.0225	1.2495	-887.508	1
3160_3161	3160	3161	-27.699	5.5335	0.0105	0.012	1.299	-233.388	1
3161_3161	3161	3161	-130.814	-23.1465	0.0105	-0.0255	1.3605	-889.406	1
3161_3162	3161	3162	-33.9945	5.5335	0.009	-0.003	1.3965	-269.081	1
3162_3162	3162	3162	-121.671	-18.5385	0.012	-0.018	1.4535	-835.634	1
3162_3163	3162	3163	-42.393	6.0285	0.0105	-0.0075	1.542	-317.657	1
3163_3163	3163	3163	-111.239	-30.9015	0.0195	0.0315	1.698	-826.749	1
3163_3164	3163	3164	-43.9905	6.1035	0.0135	0	1.7415	-360.278	1
3164_3164	3164	3164	-98.7495	-26.6475	-0.018	-0.0315	1.839	-766.802	1
3164_3165	3164	3165	-46.224	7.152	0.0045	-0.0255	1.764	-418.716	1
3165_3165	3165	3165	-72.885	-36.4875	-0.018	-0.0555	1.755	-740.873	1
3165_3166	3165	3166	-40.377	7.764	0.006	-0.072	2.0475	-519.335	1
3166_3166	3166	3166	-40.9185	-41.7645	0.0075	-0.0375	1.4715	-588.66	1
3166_3167	3166	3167	-36.0225	9.099	0.009	-0.054	2.1375	-611.793	1
3167_3167	3167	3167	-13.902	-51.195	-0.0015	-0.084	1.398	-406.004	1
3167_3168	3167	3168	-93.21	36.417	-0.0135	0.144	-2.145	-867.365	1
3168_3168	3168	3168	-83.6745	0.471	-0.012	-0.006	1.911	-312.645	1
3168_3169	3168	3169	-31.557	-24.072	-0.054	0.0045	1.0995	-330.153	1
3169_3169	3169	3169	-97.926	-5.313	0.0015	-0.048	1.224	-424.826	1
3169_3170	3169	3170	-12.7755	-17.2815	-0.0435	-0.036	0.8085	-220.296	1
3170_3170	3170	3170	-108.012	-11.1075	0.009	-0.0375	1.1145	-507.903	1
3170_3171	3170	3171	6.777	-11.379	-0.042	-0.042	0.8025	-155.097	1
3171_3171	3171	3171	-114.687	-11.247	-0.0195	-0.03	1.1025	-571.302	1
3171_3172	3171	3172	4.092	-1.2795	0.042	0.0585	-0.852	-139.37	1
3172_3172	3172	3172	-122.634	-17.6505	-0.0165	-0.024	0.87	-640.899	1
3172_3173	3172	3173	5.0955	-1.2795	0.042	0.0585	-0.5205	-133.143	1
3173_3173	3173	3173	-126.488	-24.774	-0.012	-0.0165	0.6825	-682.538	1
3173_3174	3173	3174	18.0825	-0.5115	-0.0405	-0.06	0.8415	-127.745	1
3174_3174	3174	3174	-126.606	-21.5685	-0.0165	-0.0795	0.5445	-695.793	1
3174_3175	3174	3175	18.0225	0.102	-0.0465	-0.075	0.564	-128.112	1
3175_3175	3175	3175	-130.023	-26.943	-0.015	0.045	0.4275	-723.515	1
3175_3176	3175	3176	17.964	0.102	-0.042	-0.0525	0.3165	-128.486	1
3176_3176	3176	3176	-131.297	-32.73	-0.0075	-0.075	0.3525	-735.02	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3176_3177	3176	3177	15.8955	0.1275	-0.045	-0.075	0.0765	-128.864	1
3177_3177	3177	3177	-129.243	-38.694	-0.0045	0.0585	0.3375	-723.677	1
3177_3178	3177	3178	15.8205	0.1275	-0.0405	-0.051	-0.165	-129.327	1
3178_3178	3178	3178	-129.039	-18.138	0.009	0.036	0.549	-695.423	1
3178_3179	3178	3179	16.962	1.125	-0.0375	-0.0555	-0.5055	-134.706	1
3179_3179	3179	3179	-129.746	-25.8255	0.012	0.045	0.6825	-682.329	1
3179_3180	3179	3180	16.08	1.125	-0.0375	-0.0555	-0.7995	-140.181	1
3180_3180	3180	3180	-126.719	-32.931	0.018	-0.0285	0.8565	-641.039	1
3180_3181	3180	3181	1.9995	11.9595	0.024	0.036	0.7875	-150.569	1
3181_3181	3181	3181	-119.555	-33.1665	-0.018	0.054	1.0905	-571.739	1
3181_3182	3181	3182	-16.1535	17.3685	0.0435	0.0405	0.795	-216.849	1
3182_3182	3182	3182	-113.561	-39.546	-0.0075	-0.0045	1.086	-508.349	1
3182_3183	3182	3183	-36.189	24.105	0.042	0.0045	0.8445	-315.842	1
3183_3183	3183	3183	-104.075	-45.384	-0.0015	0.0225	1.3515	-426.06	1
3183_3184	3183	3184	-64.6905	36.204	0.048	0.024	0.966	-502.935	1
3184_3184	3184	3184	-24.1935	-5.3175	-0.0045	-0.0465	0.327	-237.959	1
3184_3185	3184	3185	-77.2965	-28.9785	0	-0.1365	-1.581	-601.532	1
3185_3185	3185	3185	-22.374	0.714	0.0045	0.03	1.233	-381.792	1
3185_3186	3185	3186	-45.837	-7.143	-0.0075	0.0525	1.86	-485.399	1
3186_3186	3186	3186	-49.7655	-3.351	0.018	0.06	1.3185	-573.918	1
3186_3187	3186	3187	-48.8445	-6.2085	-0.0015	0.0825	1.878	-416.97	1
3187_3187	3187	3187	-89.553	-12.6435	0.021	0.0225	1.4745	-708.312	1
3187_3188	3187	3188	-50.424	-5.9505	-0.0015	0.0195	1.68	-348.954	1
3188_3188	3188	3188	-111.776	-12.096	-0.012	0.009	1.7895	-784.496	1
3188_3189	3188	3189	-47.1975	-5.259	-0.009	0.018	1.611	-321.069	1
3189_3189	3189	3189	-128.822	-18.8025	-0.009	0.0105	1.569	-868.431	1
3189_3190	3189	3190	-40.662	-5.3235	-0.0075	0.006	1.3605	-281.478	1
3190_3190	3190	3190	-137.88	-17.6805	-0.006	0.0015	1.5375	-926.544	1
3190_3191	3190	3191	-35.3775	-4.9155	-0.006	-0.0015	1.299	-248.681	1
3191_3191	3191	3191	-149.276	-26.8395	-0.0045	0.0075	1.5255	-994.539	1
3191_3192	3191	3192	-29.9625	-4.9095	-0.006	-0.0015	1.23	-215.903	1
3192_3192	3192	3192	-151.638	-22.8825	-0.0015	-0.0015	1.5435	-1006.84	1
3192_3193	3192	3193	-25.068	-4.755	-0.0075	-0.0135	1.1595	-186.872	1
3193_3193	3193	3193	-158.912	-14.496	0.0045	0.0165	1.6095	-1045.1	1
3193_3194	3193	3194	-26.4975	5.925	0.0135	0.03	1.4445	-192.236	1
3194_3194	3194	3194	-157.221	-9.177	0.0105	0.0075	1.668	-1035.29	1
3194_3195	3194	3195	-32.697	6.0225	0.0135	0.021	1.587	-229.013	1
3195_3195	3195	3195	-161.217	-18.2175	0.012	0.0135	1.7745	-1059.87	1
3195_3196	3195	3196	-38.898	6.0225	0.0135	0.021	1.7295	-265.787	1
3196_3196	3196	3196	-156.599	-13.032	0.0165	-0.03	1.896	-1033.26	1
3196_3197	3196	3197	-45.5895	6.2865	0.015	-0.003	1.89	-307.551	1
3197_3197	3197	3197	-156.545	-22.86	0.0195	0.039	2.061	-1033.4	1
3197_3198	3197	3198	-52.659	6.2865	0.0165	0.0165	2.067	-349.482	1
3198_3198	3198	3198	-147.5	-19.2015	0.0135	-0.0015	2.247	-978.197	1
3198_3199	3198	3199	-62.217	6.933	0.0165	-0.003	2.2755	-407.252	1
3199_3199	3199	3199	-137.189	-31.167	0.018	-0.042	2.4975	-912.887	1
3199_3200	3199	3200	-64.752	6.822	0.0165	-0.039	2.535	-433.152	1
3200_3200	3200	3200	-123.57	-28.3605	-0.012	-0.021	2.5815	-851.633	1
3200_3201	3200	3201	-67.1745	7.578	0.0105	-0.021	2.6505	-496.23	1
3201_3201	3201	3201	-90.2385	-37.86	-0.0195	-0.177	3.516	-839.463	1
3201_3202	3201	3202	-57.516	7.9785	0.0135	-0.183	4.1775	-617.262	1
3202_3202	3202	3202	-55.536	-43.2075	0.018	-0.0975	3.0135	-676.925	1
3202_3203	3202	3203	-52.2105	8.9385	0.0165	-0.129	4.3905	-712.203	1
3203_3203	3203	3203	-25.7655	-51.9555	0.006	-0.18	2.817	-483.549	1
3203_3204	3203	3204	-83.166	40.5435	-0.0255	0.3015	-4.749	-870.276	1
3204_3204	3204	3204	-97.053	-1.536	-0.048	-0.0945	4.4025	-384.923	1
3204_3205	3204	3205	-33.954	-23.8335	-0.0735	-0.072	2.3535	-369.9	1
3205_3205	3205	3205	-108.992	-6.9165	-0.0315	-0.0015	2.9685	-500.321	1
3205_3206	3205	3206	-13.6875	-16.833	-0.0675	-0.009	2.229	-261.344	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3206_3206	3206	3206	-117.18	-12.228	-0.0165	-0.0735	2.4345	-578.828	1
3206_3207	3206	3207	5.3385	-11.5455	-0.0765	-0.057	2.289	-192.678	1
3207_3207	3207	3207	-122.568	-12.6975	-0.042	-0.033	2.0775	-640.239	1
3207_3208	3207	3208	19.5195	-2.196	-0.1005	-0.102	3.0435	-166.254	1
3208_3208	3208	3208	-128.973	-18.6615	-0.033	-0.015	1.5495	-706.721	1
3208_3209	3208	3209	17.2905	-1.812	-0.099	-0.1005	2.2995	-156.503	1
3209_3209	3209	3209	-131.958	-25.2615	-0.0225	-0.099	1.146	-747.9	1
3209_3210	3209	3210	16.2465	-1.6665	-0.102	-0.12	1.5	-147.713	1
3210_3210	3210	3210	-131.94	-23.1405	-0.033	-0.006	0.8805	-763.968	1
3210_3211	3210	3211	12.876	1.2675	0.108	0.1215	-0.1545	-150.767	1
3211_3211	3211	3211	-133.317	-11.571	0.009	0.0495	0.4995	-790.425	1
3211_3212	3211	3212	12.159	1.2675	0.108	0.1215	0.4935	-155.502	1
3212_3212	3212	3212	-135.837	-17.1765	0.0195	-0.078	0.5445	-802.766	1
3212_3213	3212	3213	11.4435	1.2675	0.102	0.093	1.107	-160.241	1
3213_3213	3213	3213	-135.446	-22.6305	0.0255	0.081	0.6975	-793.416	1
3213_3214	3213	3214	12.4215	1.326	0.1095	0.123	1.7355	-165.171	1
3214_3214	3214	3214	-133.221	-18.447	0.0135	-0.039	0.93	-768.863	1
3214_3215	3214	3215	12.486	2.0685	0.102	0.096	2.523	-175.023	1
3215_3215	3215	3215	-133.698	-25.602	0.021	0.0705	1.1925	-754.74	1
3215_3216	3215	3216	11.6385	2.118	0.1065	0.12	3.3645	-185.541	1
3216_3216	3216	3216	-131.154	-32.211	0.0285	0.0765	1.563	-715.379	1
3216_3217	3216	3217	5.9085	10.308	0.078	0.0915	2.5995	-201.246	1
3217_3217	3217	3217	-125.129	-32.874	0.003	0.039	2.058	-650.463	1
3217_3218	3217	3218	-14.7345	16.317	0.0795	0.075	2.403	-266.25	1
3218_3218	3218	3218	-119.979	-38.757	0.0105	0.1305	2.3895	-589.739	1
3218_3219	3218	3219	-37.1265	23.7825	0.0765	0.102	2.235	-364.907	1
3219_3219	3219	3219	-111.755	-44.1285	0.0375	-0.0825	2.9115	-499.203	1
3219_3220	3219	3220	-66.513	34.818	0.063	-0.0645	1.9155	-538.497	1
3220_3220	3220	3220	-9.5415	6.5115	0.0075	0.2115	1.962	-242.823	1
3220_3221	3220	3221	-59.469	-8.9475	-0.0195	0.4815	4.209	-737.795	1
3221_3221	3221	3221	-33.8565	-0.0135	-0.009	-0.0135	2.433	-493.604	1
3221_3222	3221	3222	-65.6625	-8.589	-0.021	-0.021	4.0515	-642.17	1
3222_3222	3222	3222	-63.438	-3.861	0.021	0.357	2.469	-688.829	1
3222_3223	3222	3223	-69.207	-7.7985	-0.021	0.3675	3.7695	-555.524	1
3223_3223	3223	3223	-109.584	-12.3795	0.0105	-0.162	1.9335	-802.083	1
3223_3224	3223	3224	-73.1805	-7.698	-0.015	-0.0975	2.295	-454.919	1
3224_3224	3224	3224	-135.204	-12.2745	-0.0075	0.2655	2.205	-886.809	1
3224_3225	3224	3225	-68.88	-6.9765	-0.0075	0.1575	2.226	-418.658	1
3225_3225	3225	3225	-143.723	-20.1345	-0.0105	-0.1755	2.3385	-1021.15	1
3225_3226	3225	3226	-54.5265	-7.2015	-0.0105	-0.069	2.19	-373.452	1
3226_3226	3226	3226	-155.196	-19.4595	-0.0105	0.2445	2.34	-1102.06	1
3226_3227	3226	3227	-46.995	-6.7215	-0.015	0.0795	2.028	-323.315	1
3227_3227	3227	3227	-166.715	-10.0425	-0.006	-0.2355	2.3505	-1177.1	1
3227_3228	3227	3228	-39.1695	-6.7215	-0.015	-0.0825	1.842	-273.339	1
3228_3228	3228	3228	-168.048	-25.947	-0.003	0.237	2.235	-1186.08	1
3228_3229	3228	3229	-32.2935	6.4635	0.0135	0.108	1.8045	-240.843	1
3229_3229	3229	3229	-173.588	-16.737	0.003	-0.2625	2.337	-1219.92	1
3229_3230	3229	3230	-39.747	6.468	0.012	-0.0135	1.9455	-288.935	1
3230_3230	3230	3230	-167.037	-13.9125	0.0105	0.27	2.385	-1177.98	1
3230_3231	3230	3231	-47.43	6.786	0.012	0.1095	2.0865	-339.899	1
3231_3231	3231	3231	-164.777	-24.009	0.0075	-0.267	2.493	-1162.73	1
3231_3232	3231	3232	-55.281	6.7965	0.0105	-0.0585	2.208	-391.094	1
3232_3232	3232	3232	-151.703	-23.1	-0.0135	0.1335	2.553	-1076.8	1
3232_3233	3232	3233	-60.879	7.4415	0.0075	0.0885	2.262	-426.851	1
3233_3233	3233	3233	-147.014	-29.199	-0.015	0.0765	2.3745	-1043.72	1
3233_3234	3233	3234	-66.222	7.4415	0.006	0.057	2.313	-460.962	1
3234_3234	3234	3234	-137.4	-35.1195	-0.027	-0.2055	3.447	-986.069	1
3234_3235	3234	3235	-70.443	7.2735	0.009	-0.108	3.705	-504.909	1
3235_3235	3235	3235	-119.633	-35.739	0.108	0.081	3.102	-894.333	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3235_3236	3235	3236	-71.6565	8.0055	0.039	0.072	3.8805	-538.604	1
3236_3236	3236	3236	-106.704	-40.0155	0.1065	-0.036	3.6255	-843.776	1
3236_3237	3236	3237	-71.922	7.872	0.0375	-0.027	4.0785	-570.414	1
3237_3237	3237	3237	-77.061	-43.4835	0.159	-0.5355	6.3945	-872.165	1
3237_3238	3237	3238	-58.6545	8.3295	0.057	-0.465	6.9285	-698.184	1
3238_3238	3238	3238	-53.3535	-33.6765	-0.1185	-0.027	7.479	-731.871	1
3238_3239	3238	3239	-56.295	11.679	-0.0885	0.039	6.057	-797.007	1
3239_3239	3239	3239	-36.9	-41.5635	-0.1095	-0.3855	5.631	-652.677	1
3239_3240	3239	3240	-51.6555	12.075	-0.09	-0.441	4.947	-906.633	1
3240_3240	3240	3240	-20.652	-29.4765	-0.0615	-0.105	3.9855	-507.377	1
3240_3241	3240	3241	-50.631	17.9295	0.1065	-0.7215	5.709	-1013.22	1
3241_3241	3241	3241	-124.874	-14.457	0.021	-0.0585	6.807	-632.369	1
3241_3242	3241	3242	-14.409	-17.238	0.063	0.1905	4.155	-401.757	1
3242_3242	3242	3242	-127.146	-21.606	0.048	-0.4365	5.8965	-676.278	1
3242_3243	3242	3243	-0.384	-14.955	0.045	-0.093	4.875	-312.108	1
3243_3243	3243	3243	-124.985	-10.377	-0.21	0.0465	5.877	-688.019	1
3243_3244	3243	3244	28.593	-4.773	-0.195	-0.1005	6.558	-239.609	1
3244_3244	3244	3244	-132.524	-16.662	-0.1815	-0.192	3.411	-781.641	1
3244_3245	3244	3245	25.26	-2.2485	-0.2205	-0.21	5.103	-220.335	1
3245_3245	3245	3245	-136.551	-19.827	-0.045	0.1995	1.254	-847.142	1
3245_3246	3245	3246	21.8415	-1.4235	-0.156	-0.1185	3.69	-209.121	1
3246_3246	3246	3246	-140.382	-27.5475	-0.009	-0.3465	0.675	-903.716	1
3246_3247	3246	3247	21.723	-1.347	-0.1815	-0.2685	1.9545	-200.033	1
3247_3247	3247	3247	-139.965	-29.7285	-0.0705	0.1905	0.612	-917.532	1
3247_3248	3247	3248	16.0965	1.3185	0.1395	0.2775	2.322	-202.353	1
3248_3248	3248	3248	-139.58	-37.671	-0.0525	-0.273	0.0105	-922.712	1
3248_3249	3248	3249	17.1255	1.4505	0.1215	0.156	3.528	-212.369	1
3249_3249	3249	3249	-138.141	-23.8485	0.057	0.234	-0.171	-876.509	1
3249_3250	3249	3250	19.53	2.382	0.0735	0.264	4.1595	-226.898	1
3250_3250	3250	3250	-134.667	-31.875	0.069	-0.129	0.549	-818.303	1
3250_3251	3250	3251	22.1565	3.729	0.057	0.1395	4.41	-244.11	1
3251_3251	3251	3251	-128.634	-19.779	0.2655	0.3765	1.2915	-734.741	1
3251_3252	3251	3252	3.402	12.009	0.2295	0.2535	4.7145	-301.764	1
3252_3252	3252	3252	-133.103	-26.7135	0.333	0.006	3.9195	-735.462	1
3252_3253	3252	3253	-14.37	15.666	0.159	0.051	4.923	-380.709	1
3253_3253	3253	3253	-133.415	-33.498	0.369	-0.0945	7.0605	-693.989	1
3253_3254	3253	3254	-31.836	19.644	0.1035	-0.048	4.131	-469.32	1
3254_3254	3254	3254	-129.452	-21.324	-0.3585	-0.5595	10.743	-634.184	1
3254_3255	3254	3255	-36.8505	18.231	-0.0615	-1.0095	3.9285	-508.829	1
3255_3255	3255	3255	-21.0705	-4.7925	-0.3135	0.363	5.4795	-479.354	1
3255_3256	3255	3256	-59.4	-11.5125	-0.351	0.8445	3.933	-873.347	1
3256_3256	3256	3256	-36.027	-10.686	-0.3825	-0.0465	2.493	-609.89	1
3256_3257	3256	3257	-63.006	-11.163	-0.357	0.0855	1.173	-793.736	1
3257_3257	3257	3257	-46.935	-0.8085	0.1815	0.351	-0.8685	-680.432	1
3257_3258	3257	3258	-67.02	-8.7165	0.1665	0.4995	2.793	-717.249	1
3258_3258	3258	3258	-70.7175	-5.997	0.1845	0.1125	0.795	-834.294	1
3258_3259	3258	3259	-68.655	-8.7615	0.165	0.165	4.2345	-653.876	1
3259_3259	3259	3259	-108.654	-10.6035	0.1125	-0.195	1.446	-854.378	1
3259_3260	3259	3260	-79.728	-8.4105	0.102	-0.138	3.0075	-572.979	1
3260_3260	3260	3260	-116.199	-8.1315	0.042	0.255	1.779	-881.034	1
3260_3261	3260	3261	-78.216	-7.7025	-0.006	0.216	2.946	-529.722	1
3261_3261	3261	3261	-136.014	-13.161	0.048	0.0885	2.145	-962.405	1
3261_3262	3261	3262	-73.2615	-7.995	-0.009	0.072	2.9175	-480.212	1
3262_3262	3262	3262	-158.304	-19.9065	0.0375	-0.21	2.004	-978.332	1
3262_3263	3262	3263	-69.1995	-8.217	-0.0075	-0.1005	2.094	-413.703	1
3263_3263	3263	3263	-165.018	-16.7445	-0.0045	0.15	2.379	-1020.58	1
3263_3264	3263	3264	-60.7155	-7.4475	-0.003	0.075	2.052	-365.828	1
3264_3264	3264	3264	-178.557	-24.7155	-0.003	-0.0735	2.4525	-1101.88	1
3264_3265	3264	3265	-51.9765	-7.431	-0.0045	-0.012	2.0025	-315.815	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3265_3265	3265	3265	-183.423	-3.4395	0.0045	0.2325	2.6415	-1136.12	1
3265_3266	3265	3266	-43.734	-7.065	-0.006	0.051	1.9275	-268.994	1
3266_3266	3266	3266	-192.14	-12.6855	0.003	-0.1545	2.6955	-1186.73	1
3266_3267	3266	3267	-35.8965	-7.032	-0.0075	-0.042	1.8405	-222.944	1
3267_3267	3267	3267	-190.176	-10.713	0.015	0.1665	2.7495	-1177.04	1
3267_3268	3267	3268	-36.0615	6.588	0.0165	0.0675	2.067	-254.832	1
3268_3268	3268	3268	-190.458	-19.8705	0.015	-0.1155	2.913	-1179.82	1
3268_3269	3268	3269	-43.6785	6.588	0.015	0.0015	2.238	-297.81	1
3269_3269	3269	3269	-180.327	-18.9975	0.003	0.168	3.057	-1123.26	1
3269_3270	3269	3270	-52.0605	6.9915	0.0195	0.084	2.457	-346.407	1
3270_3270	3270	3270	-171.981	-28.2945	-0.003	-0.183	2.97	-1075.31	1
3270_3271	3270	3271	-60.6	6.9915	0.0165	-0.0375	2.6535	-394.599	1
3271_3271	3271	3271	-154.695	-30.5145	0.027	0.195	2.778	-974.861	1
3271_3272	3271	3272	-65.8905	7.542	-0.0165	0.144	2.5365	-424.433	1
3272_3272	3272	3272	-135.911	-35.721	0.03	-0.0285	3.8115	-1004.34	1
3272_3273	3272	3273	-65.9775	7.5135	-0.0255	0.021	3.147	-509.699	1
3273_3273	3273	3273	-116.216	-42.0675	0.021	-0.387	3.8055	-904.227	1
3273_3274	3273	3274	-67.1265	7.3935	-0.027	-0.2205	2.9145	-554.751	1
3274_3274	3274	3274	-94.0665	-29.19	-0.1485	0.1455	3.678	-803.012	1
3274_3275	3274	3275	-67.7505	10.3725	-0.1245	0.1545	2.637	-572.627	1
3275_3275	3275	3275	-77.5905	-30.7935	-0.2325	0.0015	5.1015	-874.95	1
3275_3276	3275	3276	-58.0095	10.911	-0.195	0.0825	2.436	-701.828	1
3276_3276	3276	3276	-62.769	-37.3635	-0.216	-0.414	2.6415	-826.08	1
3276_3277	3276	3277	-55.6575	11.1285	-0.198	-0.3105	0.69	-781.538	1
3277_3277	3277	3277	-46.0965	-30.912	0.159	-0.6405	0.4605	-738.704	1
3277_3278	3277	3278	-53.0805	15.141	0.2895	-0.426	3.7215	-908.085	1
3278_3278	3278	3278	-31.0095	-38.3685	0.144	-0.966	1.6185	-670.505	1
3278_3279	3278	3279	-48.687	15.6825	0.282	-1.0125	6.3675	-1033.51	1
3279_3279	3279	3279	-138.02	-24.018	-0.078	2.331	4.6575	-729.771	1
3279_3280	3279	3280	-20.8965	-17.2155	0.0225	0.3705	3.0705	-453.117	1
3280_3280	3280	3280	-135.717	-13.8675	-0.0315	0.303	4.0215	-725.192	1
3280_3281	3280	3281	-7.11	-14.4495	-0.0225	0.1755	3.66	-388.328	1
3281_3281	3281	3281	-138.585	-18.126	0	-0.0585	3.078	-750.65	1
3281_3282	3281	3282	8.985	-11.469	-0.045	-0.048	3.771	-293.159	1
3282_3282	3282	3282	-139.071	-25.4775	0.0285	-0.3825	2.664	-782.967	1
3282_3283	3282	3283	23.139	-9.7125	-0.0765	-0.201	3.8145	-233.682	1
3283_3283	3283	3283	-118.386	-21.228	-0.4455	0.2685	7.875	-845.396	1
3283_3284	3283	3284	43.302	-5.3775	-0.7305	-0.018	6.3765	-231.641	1
3284_3284	3284	3284	-115.626	-31.227	-0.2985	-0.507	1.875	-867.966	1
3284_3285	3284	3285	42.3225	-4.7385	-0.813	-0.2625	-3.198	-187.889	1
3285_3285	3285	3285	-108.141	-25.3605	0.0345	0.2865	-0.9855	-821.361	1
3285_3286	3285	3286	29.766	2.5605	0.0405	0.2925	4.071	-208.457	1
3286_3286	3286	3286	-112.025	-18.9585	0.06	-0.483	0.936	-846.737	1
3286_3287	3286	3287	30.1995	2.79	-0.036	0.0495	3.726	-228.884	1
3287_3287	3287	3287	-112.208	-13.515	0.0405	0.363	1.803	-812.696	1
3287_3288	3287	3288	31.6065	5.3655	0.3	0.2805	6.846	-269.198	1
3288_3288	3288	3288	-119.859	-23.592	0.1275	-0.321	2.832	-837.903	1
3288_3289	3288	3289	26.754	9.105	0.2145	0.0165	7.8195	-320.394	1
3289_3289	3289	3289	-122.826	-18.579	-0.0195	0.4515	5.2125	-803.067	1
3289_3290	3289	3290	11.478	12.258	0.0945	0.3585	6.9825	-389.73	1
3290_3290	3290	3290	-129.663	-25.428	0.048	0.0465	5.9265	-822.852	1
3290_3291	3290	3291	-2.994	14.628	0.0735	0.105	6.264	-464.871	1
3291_3291	3291	3291	-132.572	-31.713	0.123	-0.3465	7.4925	-817.607	1
3291_3292	3291	3292	-14.898	17.2605	0.0615	-0.1695	5.829	-565.157	1
3292_3292	3292	3292	-133.386	-24.099	-0.384	1.0005	9.708	-777.707	1
3292_3293	3292	3293	-17.958	18.081	-0.129	-0.657	5.505	-598.599	1
3293_3293	3293	3293	-23.4915	-6.033	-0.018	0.195	2.907	-608.504	1
3293_3294	3293	3294	-54.324	-12.5115	-0.051	0.864	4.9005	-1096.93	1
3294_3294	3294	3294	-35.691	-11.2305	-0.117	-0.618	2.9805	-758.777	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3294_3295	3294	3295	-57.2325	-12.543	-0.054	-0.615	4.5315	-987.06	1
3295_3295	3295	3295	-49.281	-4.554	-0.0165	0.7875	0.945	-892.371	1
3295_3296	3295	3296	-59.607	-9.237	-0.0885	0.954	3.4755	-897.189	1
3296_3296	3296	3296	-70.545	9.9495	0.039	-0.216	-0.009	-1111.15	1
3296_3297	3296	3297	-59.25	-9.213	-0.093	-0.1635	2.8545	-832.682	1
3297_3297	3297	3297	-100.992	3.3855	0.024	-0.669	0.333	-1154.86	1
3297_3298	3297	3298	-67.53	-9.1995	-0.063	-0.519	1.656	-740.699	1
3298_3298	3298	3298	-107.873	10.4865	0.0885	0.516	0.519	-1207.66	1
3298_3299	3298	3299	-63.9825	-7.3335	0.042	0.315	1.983	-698.079	1
3299_3299	3299	3299	-121.79	3.9105	0.0825	0.015	1.3935	-1346.84	1
3299_3300	3299	3300	-60.399	-7.374	0.0405	0.0345	2.2875	-660.042	1
3300_3300	3300	3300	-111.93	-2.0805	0.1125	-0.7695	3.201	-1550.3	1
3300_3301	3300	3301	-48.9795	-7.3305	0.0615	-0.3315	3.9705	-669.941	1
3301_3301	3301	3301	-117.384	4.908	-0.0885	1.0275	3.9825	-1622.76	1
3301_3302	3301	3302	-44.883	-6.1605	-0.0555	0.426	3.3045	-615.009	1
3302_3302	3302	3302	-129.435	-4.746	-0.0885	-0.873	2.8725	-1782.71	1
3302_3303	3302	3303	-40.7235	-6.1605	-0.057	-0.258	2.604	-559.656	1
3303_3303	3303	3303	-134.621	-0.324	-0.0255	0.8385	1.7895	-1851.27	1
3303_3304	3303	3304	-36.852	-5.4495	-0.027	0.243	2.2545	-508.154	1
3304_3304	3304	3304	-142.283	-10.35	-0.0285	-0.8235	1.404	-1952.85	1
3304_3305	3304	3305	-33.546	-5.4045	-0.0285	-0.2055	1.944	-462.32	1
3305_3305	3305	3305	-142.731	-4.242	-0.0345	0.993	0.993	-1958.57	1
3305_3306	3305	3306	-29.883	-4.9995	-0.0315	0.192	1.5285	-413.577	1
3306_3306	3306	3306	-147.422	-36.0105	-0.0405	-1.1595	0.5985	-2021.19	1
3306_3307	3306	3307	-26.8245	-4.9995	-0.033	-0.2565	1.1655	-372.888	1
3307_3307	3307	3307	-145.266	-29.5245	-0.033	0.798	0.0825	-1992.29	1
3307_3308	3307	3308	-23.523	-4.794	-0.045	0.102	0.597	-328.491	1
3308_3308	3308	3308	-146.823	-38.79	-0.036	-1.0155	-0.4155	-2012.75	1
3308_3309	3308	3309	-20.415	-4.794	-0.0465	-0.219	0.0495	-287.144	1
3309_3309	3309	3309	-141.431	-32.745	-0.042	0.7035	-0.888	-1940.58	1
3309_3310	3309	3310	-17.2935	-4.7505	-0.0435	0.021	-0.4695	-245.606	1
3310_3310	3310	3310	-139.431	-41.7795	-0.048	-0.801	-1.446	-1913.07	1
3310_3311	3310	3311	-14.028	-4.7505	-0.045	-0.189	-1.026	-202.146	1
3311_3311	3311	3311	-129.378	-38.136	-0.015	0.591	-2.1585	-1777.46	1
3311_3312	3311	3312	-10.7355	-4.914	-0.1275	-0.039	-2.5635	-158.309	1
3312_3312	3312	3312	-120.15	-48.498	0.0225	-0.8115	-1.9305	-1651.47	1
3312_3313	3312	3313	-7.608	-4.8915	-0.129	-0.1845	-4.155	-114.461	1
3313_3313	3313	3313	-100.433	-48.9555	-0.1065	0.24	-0.8325	-1383.85	1
3313_3314	3313	3314	-4.5765	-4.764	0.129	-0.0675	-2.541	-69.141	1
3314_3314	3314	3314	-74.958	-68.7525	-0.114	-0.831	-1.932	-1041.15	1
3314_3315	3314	3315	-2.7135	-3.966	0.06	-0.12	-2.3235	-26.979	1
3315_3315	3315	3315	-34.5855	-84.6825	0.3285	0.579	-2.688	-492.941	1
3315_3316	3315	3316	-6.591	30.4215	-0.3645	-0.2565	0	-29.2365	1
3400_3020	3400	3020	38.7915	-24.6825	-3.414	0.0525	-5.391	-643.182	1
3400_3401	3400	3401	-50.829	-1.437	1.635	0.0645	-35.8785	-188.15	1
3401_3401	3401	3401	37.6365	-20.4765	1.0605	0.336	-17.847	-542.51	1
3401_3402	3401	3402	-53.475	-1.302	2.4435	-0.354	-27.435	-183.039	1
3402_3402	3402	3402	38.1195	-19.5675	1.002	-0.1725	-14.3835	-471.093	1
3402_3403	3402	3403	-59.268	-2.211	2.6475	-0.0195	0.0375	-155.97	1
3403_3403	3403	3403	34.746	-15.1755	0.153	-0.0315	-3.4365	-258.494	1
3403_3404	3403	3404	-66.0675	-3.531	0.003	-0.084	-0.582	-128.405	1
3404_3404	3404	3404	35.0835	-14.379	0.129	-0.0975	-2.3775	-149.166	1
3404_3405	3404	3405	-74.1645	-3.7995	0.072	-0.165	-0.237	-94.593	1
3405_3405	3405	3405	38.0115	-10.8855	0.12	-0.069	-1.6035	-45.966	1
3405_3406	3405	3406	-29.2395	9.2715	-0.021	-0.009	0.282	-140.859	1
3406_3406	3406	3406	45.3675	8.49	1.095	0.2565	-0.327	-25.116	1
3406_3407	3406	3407	-28.869	9.2925	0.027	0.1575	0.2235	-218.202	1
3407_3407	3407	3407	58.215	10.803	0.966	-0.111	9.156	-107.442	1
3407_3408	3407	3408	-29.2545	8.8605	0.105	-0.252	0.897	-266.883	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3408_3408	3408	3408	64.614	-2.268	-2.844	0.7635	15.5865	-168.294	1
3408_3409	3408	3409	-26.808	14.775	-0.1095	0.093	0.957	-311.472	1
3409_3409	3409	3409	61.911	2.7885	-2.5755	-0.6735	7.404	-161.876	1
3409_3410	3409	3410	-26.7615	-14.6415	-0.081	-0.09	0.7125	-267.117	1
3410_3410	3410	3410	67.0365	-10.5855	0.1155	0.2985	-0.9825	-171.198	1
3410_3411	3410	3411	-29.2935	-8.3985	-0.0105	0.342	-0.423	-219.906	1
3411_3411	3411	3411	64.2285	-9.0225	-0.1095	0.0225	0.2115	-112.626	1
3411_3412	3411	3412	-32.436	-7.641	0.1875	-0.1485	0.39	-144.384	1
3412_3412	3412	3412	56.6955	-6.477	-0.0225	0.1005	-0.5955	-34.6035	1
3412_3413	3412	3413	-73.9125	3.7575	-0.1275	0.1275	-0.639	-84.5655	1
3413_3413	3413	3413	38.235	13.776	-0.072	0.186	-1.608	-44.2785	1
3413_3414	3413	3414	-82.599	4.902	-0.135	-0.0075	0.0915	-108.516	1
3414_3414	3414	3414	34.128	14.8335	-0.135	-0.0705	-1.9815	-145.124	1
3414_3415	3414	3415	-79.206	3.18	0.024	-0.2295	0.2745	-130.743	1
3415_3415	3415	3415	34.1955	19.1175	-0.813	0.006	-3.057	-252.035	1
3415_3416	3415	3416	-78.3345	1.653	3.285	0.1065	35.691	-147.117	1
3416_3416	3416	3416	34.6275	19.9815	-0.867	0.144	-12.375	-460.979	1
3416_3417	3416	3417	-78.351	-0.204	3.3105	-0.789	47.2305	-146.405	1
3417_3417	3417	3417	34.5315	23.9655	3.846	-0.054	-15.8115	-530.585	1
3417_3036	3417	3036	-75.255	-0.102	1.0035	0.102	52.032	-145.964	1
3420_3056	3420	3056	38.9985	-22.86	-4.068	0.0495	0.5505	-570.455	1
3420_3421	3420	3421	-46.608	-0.1305	1.2255	0.0675	-29.4045	-130.47	1
3421_3421	3421	3421	35.895	-18.654	0.87	-0.0615	-13.6395	-478.172	1
3421_3422	3421	3422	-47.568	-0.147	2.139	-0.426	-21.333	-129.906	1
3422_3422	3422	3422	36.3285	-17.7975	0.852	-0.0375	-10.6725	-413.139	1
3422_3423	3422	3423	-53.6655	-0.897	2.3175	0.0135	2.361	-118.023	1
3423_3423	3423	3423	35.259	-13.4625	0.0525	-0.0075	-1.3905	-218.97	1
3423_3424	3423	3424	-60.183	-2.0835	-0.1755	-0.0585	0.6285	-101.525	1
3424_3424	3424	3424	35.5575	-12.654	0.021	-0.108	-1.053	-122.009	1
3424_3425	3424	3425	-68.4795	-2.3325	-0.105	-0.168	-0.2265	-79.548	1
3425_3425	3425	3425	36.7275	-9.4125	0.0855	-0.0555	-0.9705	-30.7935	1
3425_3426	3425	3426	-31.1805	8.301	-0.0045	-0.0075	0.276	-126.215	1
3426_3426	3426	3426	48.369	6.6945	0.453	-0.057	-0.951	-23.49	1
3426_3427	3426	3427	-30.879	7.71	0.0645	0.0495	0.534	-192.033	1
3427_3427	3427	3427	60.7005	8.82	0.1815	-0.1695	1.179	-87.7845	1
3427_3428	3427	3428	-30.9705	7.2345	0.1095	-0.0795	1.3005	-232.185	1
3428_3428	3428	3428	61.0275	-4.0245	1.938	0.7155	1.0275	-137.292	1
3428_3429	3428	3429	-28.983	13.662	-0.012	0.108	1.2885	-273.461	1
3429_3429	3429	3429	58.1325	2.8695	2.5785	-0.9105	7.4415	-126.149	1
3429_3430	3429	3430	-28.9965	-13.6095	0.0195	-0.1185	1.341	-232.367	1
3430_3430	3430	3430	57.819	-9.3015	-1.092	-0.0915	14.01	-135.165	1
3430_3431	3430	3431	-31.05	-7.0515	-0.036	-0.1425	0.9615	-192.374	1
3431_3431	3431	3431	55.335	-7.9725	-1.038	-0.1515	8.076	-84.078	1
3431_3432	3431	3432	-32.2905	-6.9315	0.0255	0.102	0.345	-126.576	1
3432_3432	3432	3432	47.274	-4.7025	-0.0255	0.093	-0.447	-21.75	1
3432_3433	3432	3433	-70.4985	4.887	-0.132	0.1245	-0.591	-80.5665	1
3433_3433	3433	3433	36.495	12.5685	-0.045	-0.009	-0.6255	-29.9805	1
3433_3434	3433	3434	-62.1315	3.654	0.1875	0.0825	1.1895	-104.495	1
3434_3434	3434	3434	35.4795	13.428	-0.0165	0.129	-0.9915	-120.74	1
3434_3435	3434	3435	-55.134	2.7285	0.129	0.153	2.085	-122.496	1
3435_3435	3435	3435	35.7555	17.7255	-0.879	0.162	-1.011	-217.563	1
3435_3436	3435	3436	-48.363	1.497	-2.346	0.024	-23.067	-137.061	1
3436_3436	3436	3436	36.1485	18.6585	-0.9705	-0.339	-10.74	-411.368	1
3436_3437	3436	3437	-45.4965	0.507	-2.178	0.3135	-29.7405	-138.302	1
3437_3437	3437	3437	36.0795	22.4655	4.1415	-0.0615	-14.865	-476.588	1
3437_3072	3437	3072	-45.5775	0.4155	-0.9945	-0.078	-34.944	-140.006	1
3440_3094	3440	3094	39.1275	-22.5405	-4.245	0.0495	3.789	-553.133	1
3440_3441	3440	3441	-43.3665	-0.3255	1.2975	0.066	-21.438	-127.772	1
3441_3441	3441	3441	36.0795	-18.249	0.7545	-0.1965	-11.4945	-461.769	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3441_3442	3441	3442	-45.141	-0.2625	1.6335	-0.3915	-15.624	-126.726	1
3442_3442	3442	3442	36.51	-17.3685	0.753	-0.0075	-8.8695	-398.09	1
3442_3443	3442	3443	-51.9795	-0.903	1.809	-0.0165	2.3715	-113.889	1
3443_3443	3443	3443	35.4315	-13.002	0.0135	-0.0915	-0.786	-208.733	1
3443_3444	3443	3444	-57.195	-2.0475	-0.129	-0.1365	0.864	-97.698	1
3444_3444	3444	3444	35.724	-12.1755	0.0195	-0.054	-0.681	-114.998	1
3444_3445	3444	3445	-65.064	-2.2335	-0.1425	-0.1335	-0.1545	-76.362	1
3445_3445	3445	3445	36.966	-8.961	0.042	-0.069	-0.603	-27.261	1
3445_3446	3445	3446	-30.9525	7.9335	0.03	-0.0075	0.54	-121.821	1
3446_3446	3446	3446	45.8745	6.4155	0.267	-0.1365	-0.624	-22.839	1
3446_3447	3446	3447	-30.909	7.317	-0.0915	-0.075	-0.612	-184.433	1
3447_3447	3447	3447	55.863	8.2875	0.165	-0.093	0.513	-84.255	1
3447_3448	3447	3448	-31.074	6.822	-0.099	0.129	-0.927	-222.291	1
3448_3448	3448	3448	58.497	-3.8355	1.8315	1.0485	0.0315	-131.27	1
3448_3449	3448	3449	-29.1825	13.3005	0.0435	-0.1695	-0.9315	-262.422	1
3449_3449	3449	3449	54.207	2.52	2.8515	-1.239	6.123	-120.818	1
3449_3450	3449	3450	-29.2275	-13.248	-0.0975	0.177	-1.275	-222.429	1
3450_3450	3450	3450	55.896	-8.9775	-1.0425	-0.075	13.437	-129.153	1
3450_3451	3450	3451	-31.2165	-6.675	0.129	-0.048	-0.747	-184.485	1
3451_3451	3451	3451	52.0485	-7.6275	-1.0335	-0.2025	7.707	-80.058	1
3451_3452	3451	3452	-32.6055	-6.573	0.231	0.051	0.459	-122.025	1
3452_3452	3452	3452	46.209	-4.656	-0.0675	0.1035	0.183	-21.588	1
3452_3453	3452	3453	-68.853	4.7595	-0.168	0.1515	-0.6585	-80.1885	1
3453_3453	3453	3453	-17.6745	2.16	0.0645	0.072	-0.114	-29.649	1
3453_3454	3453	3454	-60.489	3.549	0.138	0.165	0.8595	-103.106	1
3454_3454	3454	3454	34.5675	12.975	-0.0225	0.0675	-0.6435	-115.77	1
3454_3455	3454	3455	-55.7505	2.532	0.1485	0.123	1.944	-120.353	1
3455_3455	3455	3455	34.7895	17.2695	-0.699	0.0915	-0.69	-209.369	1
3455_3456	3455	3456	-48.726	1.368	-1.7745	0.051	-16.872	-133.71	1
3456_3456	3456	3456	35.139	18.171	-0.7515	-0.0825	-8.4465	-398.154	1
3456_3457	3456	3457	-46.323	0.36	-1.6725	0.318	-22.0905	-134.639	1
3457_3457	3457	3457	35.022	22.113	4.4115	-0.0375	-12.072	-461.556	1
3457_3110	3457	3110	-44.3055	0.378	-1.4805	-0.075	-28.4085	-135.758	1
3460_3132	3460	3132	42.021	-25.0065	-4.0515	0.045	8.703	-589.76	1
3460_3461	3460	3461	-28.461	-0.519	0.738	0.03	-13.3035	-115.583	1
3461_3461	3461	3461	37.665	-18.6075	0.468	-0.456	-9.0075	-468.317	1
3461_3462	3461	3462	-81.342	2.5725	-1.464	0.306	16.197	-115.875	1
3462_3462	3462	3462	38.1	-17.6985	0.498	0.09	-7.275	-403.416	1
3462_3463	3462	3463	-87.9945	0.9045	-1.575	0.021	-0.4905	-124.05	1
3463_3463	3463	3463	37.902	-13.623	0.021	-0.066	-0.8655	-210.572	1
3463_3464	3463	3464	-92.439	-0.7905	0.048	0.105	0.525	-116.666	1
3464_3464	3464	3464	38.208	-12.738	0.024	-0.039	-0.711	-112.386	1
3464_3465	3464	3465	-99.744	-2.472	0.0255	0.1065	0.7785	-96.9525	1
3465_3465	3465	3465	-27.5745	-2.655	0.0195	0.0255	0.246	-35.964	1
3465_3466	3465	3466	-28.419	9.5175	-0.0105	0.024	0.2265	-125.66	1
3466_3466	3466	3466	26.5815	6.0855	0.0315	0.0795	-0.192	-48.423	1
3466_3467	3466	3467	-30.6765	8.334	0.0225	0.0315	0.3885	-199.275	1
3467_3467	3467	3467	34.833	7.4055	-0.048	0.081	-0.495	-105.666	1
3467_3468	3467	3468	-30.8415	7.701	0.027	-0.0075	0.5235	-242.076	1
3468_3468	3468	3468	39.6885	-0.666	-0.273	0.3015	-0.9975	-147.501	1
3468_3469	3468	3469	-31.383	14.7435	-0.0585	0.0975	0.093	-286.17	1
3469_3469	3469	3469	51.1785	1.197	0.663	-0.6585	-1.3875	-169.659	1
3469_3470	3469	3470	-31.1625	-14.979	0.153	-0.12	0.2805	-244.719	1
3470_3470	3470	3470	50.454	-9.651	-0.0405	-0.1155	0.135	-173.684	1
3470_3471	3470	3471	-32.889	-7.989	0.0105	-0.0375	0.063	-200.321	1
3471_3471	3471	3471	49.0485	-8.5395	-0.0465	-0.0945	0.0165	-120.222	1
3471_3472	3471	3472	-30.6105	-8.4315	-0.018	0.0015	0.087	-124.178	1
3472_3472	3472	3472	40.4055	-6.5205	0.0705	-0.099	-0.6945	-46.221	1
3472_3473	3472	3473	-87.774	3.63	0.024	-0.09	0.7725	-86.187	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3473_3473	3473	3473	-26.5665	0.9315	-0.0735	-0.021	0.2205	-34.011	1
3473_3474	3473	3474	-86.0145	1.8465	-0.1485	-0.0765	-0.309	-98.0385	1
3474_3474	3474	3474	36.4695	14.37	-0.039	0.066	-0.8145	-126.954	1
3474_3475	3474	3475	-49.494	3.996	0.0975	0.0885	1.2855	-120.48	1
3475_3475	3475	3475	35.742	18.738	-0.5235	-0.2505	-1.0755	-230.556	1
3475_3476	3475	3476	-44.88	2.814	-1.233	-0.0765	-11.838	-150.351	1
3476_3476	3476	3476	36.2325	19.6905	-0.462	0.984	-7.2405	-435.861	1
3476_3477	3476	3477	-43.245	1.8525	-1.305	0.5685	-16.128	-156.737	1
3477_3477	3477	3477	39.6525	24.1005	4.5915	-0.033	-10.062	-505.116	1
3477_3148	3477	3148	-41.0955	1.893	-0.393	-0.054	-17.625	-164.136	1
3480_3168	3480	3168	42.7845	-24.6615	-3.9795	0.0705	7.3305	-620.085	1
3480_3481	3480	3481	-37.119	-1.3155	0.315	0.0525	-13.977	-125.106	1
3481_3481	3481	3481	38.9025	-20.2755	0.447	-0.5985	-7.9065	-519.173	1
3481_3482	3481	3482	-39.906	-1.1745	1.131	-0.369	-10.1865	-120.767	1
3482_3482	3482	3482	39.3765	-19.3365	0.492	0.15	-6.186	-448.446	1
3482_3483	3482	3483	-91.5465	1.803	-1.2135	0.0255	-1.359	-108.114	1
3483_3483	3483	3483	39.132	-14.8875	0.015	-0.0675	-0.795	-237.561	1
3483_3484	3483	3484	-93.3825	0.159	0.141	0.066	-0.1905	-107.301	1
3484_3484	3484	3484	39.474	-13.956	0.0195	-0.0345	-0.6795	-130.25	1
3484_3485	3484	3485	-101.003	-1.4715	0.12	0.0885	0.735	-93.5295	1
3485_3485	3485	3485	-29.277	-2.1165	0.0165	0.0135	0.2025	-39.7215	1
3485_3486	3485	3486	-30.3975	10.287	-0.0105	0.0195	0.2295	-131.352	1
3486_3486	3486	3486	38.7075	7.0605	0.1665	0.0945	-0.477	-41.1	1
3486_3487	3486	3487	-33.8925	9.0915	0.0135	0.0345	0.3645	-211.227	1
3487_3487	3487	3487	46.9515	8.5875	0.0855	0.0735	0.4155	-106.889	1
3487_3488	3487	3488	-34.221	8.397	0.0165	-0.0045	0.4305	-257.88	1
3488_3488	3488	3488	51.3525	-2.022	-0.5475	0.588	0.813	-155.052	1
3488_3489	3488	3489	-33.7815	15.9765	-0.2625	0.15	-0.354	-305.798	1
3489_3489	3489	3489	40.833	0.393	0.7725	-0.4095	-2.517	-158.936	1
3489_3490	3489	3490	-33.4935	-15.8865	0.168	-0.1095	0.216	-259.695	1
3490_3490	3490	3490	43.2435	-8.4435	0.03	-0.099	-0.7065	-161.222	1
3490_3491	3490	3491	-35.01	-8.37	-0.018	-0.0315	0.1965	-213.155	1
3491_3491	3491	3491	38.721	-7.3335	-0.0015	-0.0675	-0.246	-114.935	1
3491_3492	3491	3492	-32.8665	-8.937	-0.045	0.003	-0.039	-132.974	1
3492_3492	3492	3492	29.322	-5.547	0.054	-0.066	-0.513	-51.735	1
3492_3493	3492	3493	-100.11	3.879	0.018	-0.084	0.768	-94.8435	1
3493_3493	3493	3493	-26.541	1.1895	-0.1065	-0.0315	0.3075	-30.0315	1
3493_3494	3493	3494	-97.161	1.995	-0.1605	-0.0735	-0.411	-107.09	1
3494_3494	3494	3494	40.8675	15.069	-0.0465	0.0585	-0.9285	-129.885	1
3494_3495	3494	3495	-90.123	0.2115	-0.159	-0.0705	-1.6095	-106.955	1
3495_3495	3495	3495	40.1415	19.4955	-0.459	0.15	-1.3125	-238.337	1
3495_3496	3495	3496	-34.6245	2.6775	-0.9075	0.048	-8.679	-122.891	1
3496_3496	3496	3496	40.7385	20.556	-0.5205	-0.2985	-6.3015	-451.82	1
3496_3497	3496	3497	-31.812	2.031	-0.801	0.0795	-10.806	-129.398	1
3497_3497	3497	3497	44.685	24.909	3.9975	-0.0435	-9.5535	-523.625	1
3497_3184	3497	3184	-31.8825	1.998	-0.5445	-0.0375	-13.455	-137.577	1
3500_3204	3500	3204	39.2175	-24.573	-3.1545	0.0795	3.348	-650.336	1
3500_3501	3500	3501	-46.0965	0.174	1.494	0.1035	-21.972	-115.344	1
3501_3501	3501	3501	39.3075	-20.8035	0.537	0.396	-8.7045	-549.729	1
3501_3502	3501	3502	-81.4575	1.4655	-1.914	0.588	18.3315	-119.672	1
3502_3502	3502	3502	39.7965	-19.854	0.4845	-0.165	-7.0335	-477.153	1
3502_3503	3502	3503	-89.487	-0.081	-1.8465	-0.033	-1.1565	-117.008	1
3503_3503	3503	3503	38.2065	-15.573	0.0675	0.012	-1.7205	-260.589	1
3503_3504	3503	3504	-88.9275	-1.713	0.069	0.1965	-0.321	-103.629	1
3504_3504	3504	3504	38.559	-14.6805	0.0255	-0.1485	-1.302	-148.338	1
3504_3505	3504	3505	-74.094	-1.2255	-0.0105	-0.183	0.0825	-80.805	1
3505_3505	3505	3505	39.3645	-11.343	0.0795	-0.069	-1.1625	-42.6735	1
3505_3506	3505	3506	-32.223	10.059	0.003	-0.0075	0.5895	-150.438	1
3506_3506	3506	3506	49.0005	6.756	0.204	-0.0915	-0.51	-21.744	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3506_3507	3506	3507	-31.923	9.558	0.0675	0.024	0.9585	-231.299	1
3507_3507	3507	3507	64.74	9.429	-0.033	-0.1335	-0.5865	-90.2085	1
3507_3508	3507	3508	-32.079	9.1095	0.1095	-0.027	1.8435	-281.421	1
3508_3508	3508	3508	67.3065	-4.515	2.6715	0.9105	-2.427	-144.197	1
3508_3509	3508	3509	-29.5695	15.6195	-0.03	0.2775	1.9185	-328.65	1
3509_3509	3509	3509	64.7565	3.6585	2.7885	-1.005	5.964	-131.493	1
3509_3510	3509	3510	-29.571	-15.6615	0	-0.2625	1.917	-281.16	1
3510_3510	3510	3510	63.51	-9.867	-0.984	-0.042	13.2045	-142.86	1
3510_3511	3510	3511	-32.172	-9.087	-0.0945	-0.0045	0.9105	-230.627	1
3511_3511	3511	3511	58.185	-8.28	-0.999	-0.1845	7.9395	-88.6605	1
3511_3512	3511	3512	-33.576	-8.5395	0.036	0.048	0.117	-149.223	1
3512_3512	3512	3512	40.809	-5.3295	0.108	-0.1095	-1.131	-18.1485	1
3512_3513	3512	3513	-75.6885	4.8945	-0.1245	0.135	-0.672	-84.672	1
3513_3513	3513	3513	42.801	14.715	-0.066	0.072	-1.17	-43.974	1
3513_3514	3513	3514	-67.266	3.642	0.0705	0.141	0.204	-108.117	1
3514_3514	3514	3514	38.427	15.837	-0.0765	0.0825	-1.6335	-151.47	1
3514_3515	3514	3515	-59.568	2.694	0.0765	0.1215	0.7905	-125.597	1
3515_3515	3515	3515	39.0975	20.0775	-0.4275	0.075	-2.196	-265.632	1
3515_3516	3515	3516	-51.9765	1.3455	-1.548	0.0375	-15.7425	-138.315	1
3516_3516	3516	3516	39.567	21.0735	-0.465	0.045	-7.05	-485.24	1
3516_3517	3516	3517	-50.1045	0.2295	-1.491	0.348	-20.523	-138.861	1
3517_3517	3517	3517	39.3465	24.6525	3.3885	-0.105	-8.415	-558.75	1
3517_3220	3517	3220	-46.8045	0.3615	-1.5945	-0.069	-26.283	-139.86	1
3520_3241	3520	3241	53.754	-25.9185	-0.771	-0.1695	-11.2815	-709.682	1
3520_3521	3520	3521	-54.8595	-0.093	0.168	0.627	-21.8715	-136.874	1
3521_3521	3521	3521	53.415	-22.869	1.3665	0.9435	-14.412	-603.17	1
3521_3522	3521	3522	-57.5445	0.081	1.5615	-0.1305	-16.65	-136.838	1
3522_3522	3522	3522	53.6535	-21.5895	1.2345	-0.1395	-9.879	-523.493	1
3522_3523	3522	3523	-92.9505	0.213	-2.5395	-0.0675	1.4655	-127.778	1
3523_3523	3523	3523	53.754	-17.268	-0.114	0.2985	3.1995	-287.46	1
3523_3524	3523	3524	-94.266	-1.6815	-0.1965	0.3525	0.387	-112.959	1
3524_3524	3524	3524	54.147	-15.9945	-0.2745	-0.2955	2.19	-162.942	1
3524_3525	3524	3525	-84.222	-1.356	0.204	-0.27	1.764	-89.862	1
3525_3525	3525	3525	57.156	-11.9775	-0.1965	-0.081	-0.0195	-47.976	1
3525_3526	3525	3526	-46.5195	10.2795	0.186	0.021	3.6225	-165.108	1
3526_3526	3526	3526	52.233	7.2555	-0.354	-0.0345	0.033	-21.396	1
3526_3527	3526	3527	-44.874	9.93	-0.177	0.321	1.8975	-248.372	1
3527_3527	3527	3527	72.5145	10.581	-1.0335	-0.1515	-7.8885	-96.6255	1
3527_3528	3527	3528	-45.0615	9.204	0.021	-0.3315	2.604	-299.175	1
3528_3528	3528	3528	72.138	-4.7745	1.9095	-0.888	-15.3435	-155.639	1
3528_3529	3528	3529	-41.769	18.648	-0.8115	0.453	2.4495	-355.031	1
3529_3529	3529	3529	68.91	3.774	1.002	0.732	-8.5725	-142.286	1
3529_3530	3529	3530	-41.6655	-18.099	-0.6435	-0.15	0.438	-300.312	1
3530_3530	3530	3530	67.539	-10.587	0.528	-0.024	-6.66	-154.259	1
3530_3531	3530	3531	-44.556	-8.805	-0.4335	0.477	-1.2435	-250.415	1
3531_3531	3531	3531	64.7685	-9.009	0.2895	-0.183	-3.0885	-95.973	1
3531_3532	3531	3532	-46.4625	-8.2275	-0.5955	-0.1005	-4.017	-167.925	1
3532_3532	3532	3532	49.7025	-6.036	0.1425	-0.1425	-0.45	-19.32	1
3532_3533	3532	3533	-102.368	5.7855	-0.1095	-0.1335	-1.782	-96.5565	1
3533_3533	3533	3533	-22.0335	2.2755	-0.06	0.0915	-1.014	-36.327	1
3533_3534	3533	3534	-102.774	3.318	-0.069	-0.0945	-1.8	-118.413	1
3534_3534	3534	3534	55.2495	16.3965	-0.327	0.0705	-2.6835	-143.13	1
3534_3535	3534	3535	-66.2925	2.712	-0.042	0.1695	-2.718	-134.516	1
3535_3535	3535	3535	54.099	20.0505	-0.5865	0.5385	-4.8225	-261.239	1
3535_3536	3535	3536	-57.6795	1.128	-1.494	0.177	-18.756	-144.732	1
3536_3536	3536	3536	55.0215	21.468	-0.822	-1.0875	-11.1495	-480.663	1
3536_3537	3536	3537	-54.33	-0.0495	-1.215	0.0465	-22.0935	-143.96	1
3537_3537	3537	3537	56.4675	28.4145	0.429	0.3405	-15.579	-555.974	1
3537_3255	3537	3255	-50.2215	-3.2535	-1.2405	-0.4635	-28.1835	-125.117	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3540_3279	3540	3279	61.602	-27.948	2.37	1.7055	-0.4785	-734.361	1
3540_3541	3540	3541	-86.7195	5.724	-1.0695	-1.239	15.2655	-132.959	1
3541_3541	3541	3541	61.776	-22.227	0.0135	1.077	11.0325	-595.385	1
3541_3542	3541	3542	-90.258	1.8465	-1.1025	0.57	11.409	-137.96	1
3542_3542	3542	3542	62.283	-20.766	-0.0735	0.018	10.8675	-517.964	1
3542_3543	3542	3543	-98.001	0.219	-0.9165	0.096	0.747	-137.387	1
3543_3543	3543	3543	62.088	-17.0685	-0.462	0.2085	9.3915	-290.637	1
3543_3544	3543	3544	-96.6975	-2.2245	-0.0885	0.2475	0.594	-120.392	1
3544_3544	3544	3544	62.466	-15.6225	-0.528	-0.1275	6	-167.667	1
3544_3545	3544	3545	-80.9595	0.4695	0.099	-0.1125	3.5745	-94.68	1
3545_3545	3545	3545	63.12	-12.198	-0.4995	-0.108	1.815	-55.3905	1
3545_3546	3545	3546	-50.997	9.5355	0.327	0.0885	6.153	-169.497	1
3546_3546	3546	3546	61.5165	8.691	-1.821	-0.075	-0.906	-24.3675	1
3546_3547	3546	3547	-48.777	9.699	-0.6855	0.4095	-0.012	-247.83	1
3547_3547	3547	3547	79.101	11.9265	-2.49	0.1005	-21.729	-111.108	1
3547_3548	3547	3548	-49.062	9.084	-0.2745	-0.2085	0.8955	-297.146	1
3548_3548	3548	3548	79.6245	-5.5425	2.511	-3.831	-38.7045	-176.916	1
3548_3549	3548	3549	-45.9615	19.4415	-0.8835	0.4245	0.807	-355.419	1
3549_3549	3549	3549	73.8645	3.1125	0.2805	3.915	-29.574	-164.279	1
3549_3550	3549	3550	-46.1625	-18.873	-0.8445	0.192	-1.0275	-299.061	1
3550_3550	3550	3550	70.353	-12.348	2.046	-0.1455	-29.412	-173.63	1
3550_3551	3550	3551	-49.2795	-8.0565	-0.795	0.693	-1.9515	-251.292	1
3551_3551	3551	3551	67.8825	-10.5735	1.7385	-0.084	-17.193	-104.187	1
3551_3552	3551	3552	-52.4085	-7.0725	-1.3065	-0.093	-6.9795	-180.476	1
3552_3552	3552	3552	45.9375	-6.687	0.3945	-0.165	-1.9905	-20.328	1
3552_3553	3552	3553	-87.4575	4.3125	-0.3765	0.252	-5.817	-121.248	1
3553_3553	3553	3553	-22.773	2.7555	-0.168	0.168	-2.199	-42.843	1
3553_3554	3553	3554	-79.7265	4.563	-0.3345	0.372	-7.7925	-146.268	1
3554_3554	3554	3554	63.7185	17.25	-0.6495	0.0315	-5.8725	-145.725	1
3554_3555	3554	3555	-74.1285	3.1995	-0.15	0.1905	-8.529	-166.824	1
3555_3555	3555	3555	64.1205	21.132	-0.4995	0.1695	-10.4925	-267.066	1
3555_3556	3555	3556	-62.496	1.335	-0.8985	0.1155	-17.8245	-177.822	1
3556_3556	3556	3556	63.978	22.935	-0.4785	0.8325	-15.9525	-492.357	1
3556_3557	3556	3557	-59.694	-0.15	-0.8955	0.6765	-20.4255	-176.78	1
3557_3557	3557	3557	61.9305	27.7845	1.4625	0.867	-17.079	-570.218	1
3557_3293	3557	3293	-53.4165	-1.716	0.5025	0.3375	-15.876	-163.304	1
43000_3000	43000	3000	-0.7095	-4.983	0.6915	-1.3965	0	-5.5125	1
43000_3001	43000	3001	0.441	5.457	-0.9675	1.497	-14.4225	-77.5515	1
43001_3001	43001	3001	1.4715	19.695	-0.6375	-0.1185	-9.477	-1106.27	1
43001_3002	43001	3002	0.441	5.457	-0.9675	1.4055	-24.48	-134.28	1
43002_3002	43002	3002	1.71	16.764	0.828	2.0505	-19.9575	-1566.45	1
43002_3003	43002	3003	0.477	5.418	1.344	1.5195	-7.902	-200.141	1
43003_3003	43003	3003	1.7985	-3.2145	0.9015	-1.158	-10.749	-2017.39	1
43003_3004	43003	3004	0.48	5.418	1.344	1.1715	8.4495	-266.063	1
43004_3004	43004	3004	1.908	0.3255	0.2865	1.5885	0.4545	-2237.61	1
43004_3005	43004	3005	0.474	5.454	0.5955	1.392	15.7005	-332.414	1
43005_3005	43005	3005	1.956	-10.989	0.33	-0.4065	4.8915	-2464.36	1
43005_3006	43005	3006	0.474	5.454	0.5955	1.0875	22.95	-398.807	1
43006_3006	43006	3006	1.9575	-3.9825	0.2565	2.853	10.4505	-2528.14	1
43006_3007	43006	3007	0.4725	5.4015	0.3945	1.449	27.7485	-464.514	1
43007_3007	43007	3007	1.9365	-14.7435	0.2805	-1.5135	15.4155	-2661.32	1
43007_3008	43007	3008	0.474	5.4015	0.3945	0.6435	32.541	-530.259	1
43008_3008	43008	3008	1.905	-7.32	0.267	1.536	20.8665	-2650.5	1
43008_3009	43008	3009	0.5085	5.349	0.3285	1.017	36.3645	-595.344	1
43009_3009	43009	3009	1.8705	-18.0435	0.276	-0.5685	26.13	-2718.52	1
43009_3010	43009	3010	0.54	5.3535	0.327	0.528	40.1655	-660.474	1
43010_3010	43010	3010	1.839	-11.0595	0.336	2.295	31.3605	-2646.02	1
43010_3011	43010	3011	0.5415	5.3085	0.345	1.044	44.3625	-725.057	1
43011_3011	43011	3011	1.869	-42.621	0.3255	-1.9455	33.63	-2652.53	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43011_3012	43011	3012	0.5415	5.3085	0.3435	-0.1395	48.5475	-789.62	1
43012_3012	43012	3012	1.839	-36.6105	0.4155	0.594	39.6165	-2532.7	1
43012_3013	43012	3013	0.543	5.4225	0.441	0.369	53.9175	-855.636	1
43013_3013	43013	3013	1.812	-47.112	0.426	-1.2255	46.398	-2481.99	1
43013_3014	43013	3014	0.543	5.4225	0.441	-0.33	59.2815	-921.63	1
43014_3014	43014	3014	1.788	-44.526	0.486	0.5565	52.8075	-2289.22	1
43014_3015	43014	3015	0.558	5.844	0.2355	0.4095	62.91	-1017.54	1
43015_3015	43015	3015	2.2455	-57.0765	0.453	-2.7945	60.723	-2063.48	1
43015_3016	43015	3016	0.507	5.8485	0.2355	-1.71	64.833	-1065.43	1
43016_3016	43016	3016	3.015	-51.0375	-0.015	0.7095	64.107	-1863.7	1
43016_3017	43016	3017	0.4095	7.1865	0.1815	0.789	66.444	-1148.9	1
43017_3017	43017	3017	4.7115	-61.575	-0.105	-2.475	61.068	-1647.01	1
43017_3018	43017	3018	0.246	7.239	0.177	-2.178	68.37	-1244.47	1
43018_3018	43018	3018	4.554	-45.7245	0.1455	0.1695	46.902	-1266.09	1
43018_3019	43018	3019	0.0015	8.0625	0.198	0.606	71.124	-1345.56	1
43019_3019	43019	3019	6.507	-55.335	-0.0285	-2.0895	41.877	-870.681	1
43019_3020	43019	3020	-0.195	8.187	0.198	-3.366	72.417	-1447.8	1
43020_3020	43020	3020	-70.0065	-1.686	-0.948	-0.192	74.811	-674.436	1
43020_3021	43020	3021	25.6365	-24.147	-1.113	0.1695	37.455	-648.428	1
43021_3021	43021	3021	-60.3375	-7.59	-0.5925	-1.2645	57.8295	-855.38	1
43021_3022	43021	3022	37.2045	-16.7355	-1.2945	-0.978	42.9795	-477.24	1
43022_3022	43022	3022	-52.725	-13.545	-0.3735	-1.029	47.7045	-977.082	1
43022_3023	43022	3023	63.4125	-3.6255	-1.68	-1.467	78.2625	-387.891	1
43023_3023	43023	3023	-44.7975	-13.536	-0.8835	-0.5985	40.476	-1068.81	1
43023_3024	43023	3024	61.56	-3.129	-1.752	-1.5345	64.1985	-362.295	1
43024_3024	43024	3024	-37.347	-20.2065	-0.7365	-0.3615	29.52	-1174.24	1
43024_3025	43024	3025	60.8505	-3.0945	-1.7475	-1.5285	50.2185	-337.502	1
43025_3025	43025	3025	-30.7245	-27.63	-0.5505	-1.479	20.637	-1234.04	1
43025_3026	43025	3026	57.939	-2.994	-1.7865	-1.8795	35.889	-313.077	1
43026_3026	43026	3026	-25.698	-24.243	-0.642	1.077	14.0235	-1247.96	1
43026_3027	43026	3027	57.939	-2.325	-1.7115	-1.23	25.617	-299.124	1
43027_3027	43027	3027	-22.8075	-29.8845	-0.459	-0.615	9.1935	-1290.68	1
43027_3028	43027	3028	57.936	-2.325	-1.8075	-1.7265	14.7705	-285.173	1
43028_3028	43028	3028	-20.7975	-35.9655	-0.312	-0.348	6.252	-1306.89	1
43028_3029	43028	3029	57.936	-2.325	-1.8075	-1.7265	3.924	-271.226	1
43029_3029	43029	3029	-19.4505	-42.2355	-0.1305	-2.211	5.0115	-1284.73	1
43029_3030	43029	3030	57.933	-2.325	-1.9035	-2.1765	-7.497	-257.276	1
43030_3030	43030	3030	-22.713	-19.3365	0.384	1.512	10.284	-1239.02	1
43030_3031	43030	3031	78.5145	3.453	1.863	1.977	32.2035	-262.301	1
43031_3031	43031	3031	-26.4435	-27.414	0.5625	0.453	15.726	-1221.92	1
43031_3032	43031	3032	81.123	3.603	1.782	1.695	46.506	-290.213	1
43032_3032	43032	3032	-31.482	-34.8525	0.75	-0.663	23.415	-1158.6	1
43032_3033	43032	3033	60.348	12.3825	1.083	0.96	36.3675	-330.026	1
43033_3033	43033	3033	-37.209	-34.797	0.105	1.803	33.453	-1049.08	1
43033_3034	43033	3034	37.359	19.68	1.32	1.245	32.8485	-448.65	1
43034_3034	43034	3034	-43.3275	-41.4465	0.4365	-0.366	39.4815	-953.63	1
43034_3035	43034	3035	25.8945	27.297	1.1145	-0.12	30.315	-620.981	1
43035_3035	43035	3035	-49.218	-47.4285	0.6285	0.5025	49.4205	-814.68	1
43035_3036	43035	3036	19.8945	38.0145	0.972	0.4035	25.938	-926.918	1
43036_3036	43036	3036	-7.422	-6.18	-0.114	-0.9105	0.3735	-373.031	1
43036_3037	43036	3037	17.757	-11.241	0.048	2.5485	50.373	-1232.34	1
43037_3037	43037	3037	15.321	-0.942	0.093	0.0375	33.0795	-798.237	1
43037_3038	43037	3038	18.0465	-10.77	0.0315	0.1545	50.901	-1097.3	1
43038_3038	43038	3038	19.887	-5.0685	0.3075	1.764	36.903	-1143.26	1
43038_3039	43038	3039	18.1845	-9.264	-0.021	2.034	50.7765	-974.417	1
43039_3039	43039	3039	24.2835	-15.303	0.3495	-0.795	45.12	-1454.34	1
43039_3040	43039	3040	17.985	-8.733	-0.0525	-0.48	50.703	-869.87	1
43040_3040	43040	3040	27.3705	-13.731	-0.4815	1.5465	52.7175	-1606.04	1
43040_3041	43040	3041	18.1335	-7.3035	-0.351	1.197	47.772	-809.664	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43041_3041	43041	3041	28.7565	-22.0875	-0.4845	-0.2625	50.7255	-1728.72	1
43041_3042	43041	3042	18.066	-7.1325	-0.369	0.051	41.9445	-690.173	1
43042_3042	43042	3042	29.376	-19.0395	-0.1935	0.7125	46.7565	-1827.02	1
43042_3043	43042	3043	18.0675	-6.387	-0.126	0.228	40.44	-613.841	1
43043_3043	43043	3043	28.6815	-29.5185	-0.1815	-0.6165	46.269	-1952.51	1
43043_3044	43043	3044	18.0675	-6.387	-0.141	-0.2835	38.7555	-537.498	1
43044_3044	43044	3044	27.219	-23.655	-0.066	1.3305	45.6165	-1964.8	1
43044_3045	43044	3045	18.0675	-6.129	-0.1515	0.015	36.9375	-464.255	1
43045_3045	43045	3045	25.6635	-34.4805	-0.0705	-1.764	45.978	-2051.88	1
43045_3046	43045	3046	6.762	6.4305	0.2595	0.492	35.8875	-409.959	1
43046_3046	43046	3046	22.53	-8.733	0.015	-0.018	46.227	-2010.22	1
43046_3047	43046	3047	6.7635	6.459	0.2475	0.51	38.8485	-487.149	1
43047_3047	43047	3047	22.3935	-20.391	0.057	0.0195	45.9855	-2057.52	1
43047_3048	43047	3048	6.7635	6.459	0.2475	0.477	41.8065	-564.396	1
43048_3048	43048	3048	22.5285	-13.8345	0.1035	-0.423	46.278	-1973.22	1
43048_3049	43048	3049	6.7635	6.5655	0.2595	0.057	44.901	-642.909	1
43049_3049	43049	3049	22.779	-25.5645	0.1485	-0.123	46.62	-1960.66	1
43049_3050	43049	3050	6.7635	6.5655	0.2595	0.099	47.9985	-721.346	1
43050_3050	43050	3050	22.5645	-20.0475	0.3315	-0.2235	47.2005	-1833.62	1
43050_3051	43050	3051	6.765	6.972	0.27	-0.1125	52.3185	-832.875	1
43051_3051	43051	3051	21.531	-34.74	0.3975	-1.272	50.256	-1734.65	1
43051_3052	43051	3052	7.104	7.0635	0.267	-0.963	54.189	-891.74	1
43052_3052	43052	3052	20.6355	-29.028	-0.3795	0.1125	52.0215	-1600.81	1
43052_3053	43052	3053	6.9675	8.13	0.0945	0.1515	55.3215	-987.299	1
43053_3053	43053	3053	19.248	-39.2535	-0.375	-1.9605	44.3505	-1460.69	1
43053_3054	43053	3054	7.131	8.376	0.0795	-1.9155	55.8135	-1100.19	1
43054_3054	43054	3054	16.692	-44.3025	0.198	-0.1185	36.6	-1153.2	1
43054_3055	43054	3055	7.0755	9.1425	0.2505	0.225	58.722	-1214.29	1
43055_3055	43055	3055	14.997	-54.009	0	-1.953	33.828	-811.233	1
43055_3056	43055	3056	6.984	9.3705	0.2385	-3.222	61.1505	-1331.66	1
43056_3056	43056	3056	-62.6445	-1.8315	-0.7425	-0.5235	58.896	-677.132	1
43056_3057	43056	3057	29.7765	-23.07	-1.1265	-0.183	33.8355	-578.604	1
43057_3057	43057	3057	-54.87	-8.0235	-0.4335	-1.272	45.0405	-870.539	1
43057_3058	43057	3058	45.6075	-14.6295	-1.2645	-1.1535	39.723	-430.266	1
43058_3058	43058	3058	-48.777	-14.154	-0.234	-1.0395	37.1925	-1007.89	1
43058_3059	43058	3059	63.1515	-3.72	-1.4445	-1.692	64.4175	-388.902	1
43059_3059	43059	3059	-42.33	-14.1285	-0.7725	-0.189	32.0955	-1109.92	1
43059_3060	43059	3060	61.0785	-3.2565	-1.419	-1.578	53.046	-362.519	1
43060_3060	43060	3060	-36.2595	-20.8575	-0.618	-1.251	23.091	-1223.42	1
43060_3061	43060	3061	59.8815	-3.2055	-1.4805	-1.989	41.1945	-336.77	1
43061_3061	43061	3061	-30.894	-28.302	-0.5085	-0.9915	15.9375	-1289.01	1
43061_3062	43061	3062	57.7185	-3.1275	-1.4625	-1.968	29.5515	-311.57	1
43062_3062	43062	3062	-26.8815	-24.819	-0.465	-0.384	10.2915	-1306.62	1
43062_3063	43062	3063	57.7155	-2.5515	-1.53	-1.836	20.3685	-296.258	1
43063_3063	43063	3063	-24.597	-30.4215	-0.3435	-0.1515	6.876	-1351.18	1
43063_3064	43063	3064	56.8275	2.073	1.551	2.0475	7.9875	-296.547	1
43064_3064	43064	3064	-22.6515	-19.113	0.264	0.8175	4.44	-1368.94	1
43064_3065	43064	3065	56.8275	2.073	1.551	2.0475	17.295	-308.988	1
43065_3065	43065	3065	-23.9895	-25.119	0.423	-1.0755	6.507	-1349.97	1
43065_3066	43065	3066	56.829	2.073	1.4625	1.566	26.0535	-321.41	1
43066_3066	43066	3066	-26.0535	-19.152	0.4035	1.1505	10.1415	-1304	1
43066_3067	43066	3067	60.6075	2.8635	1.4925	2.163	37.6635	-344.096	1
43067_3067	43067	3067	-29.7735	-27.195	0.516	1.416	15.552	-1284.97	1
43067_3068	43067	3068	60.6075	2.8635	1.4925	2.163	49.614	-367.019	1
43068_3068	43068	3068	-34.83	-34.629	0.7095	-1.209	22.4715	-1218.47	1
43068_3069	43068	3069	63.9765	2.988	1.356	1.296	60.303	-390.66	1
43069_3069	43069	3069	-40.581	-34.4535	0.084	1.536	31.5735	-1105.21	1
43069_3070	43069	3070	47.646	14.667	1.29	1.518	36.849	-438.674	1
43070_3070	43070	3070	-46.713	-41.2005	0.336	0.654	36.792	-1004.69	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43070_3071	43070	3071	30.9075	23.178	1.125	0.705	31.1355	-587.945	1
43071_3071	43071	3071	-52.4925	-47.289	0.606	-0.126	45.192	-866.235	1
43071_3072	43071	3072	23.0685	35.1315	0.9435	-0.1545	24.9885	-864.683	1
43072_3072	43072	3072	-7.5945	-1.3365	-0.252	1.1625	32.8665	-425.837	1
43072_3073	43072	3073	8.7	-9.3135	-0.195	2.6955	53.901	-1236.09	1
43073_3073	43073	3073	11.58	-0.819	-0.0105	0.123	33.687	-817.151	1
43073_3074	43073	3074	8.3955	-8.9505	-0.201	0.3015	52.278	-1123.38	1
43074_3074	43074	3074	15.3315	-5.148	0.1815	2.031	35.8575	-1168.08	1
43074_3075	43074	3075	8.352	-8.103	-0.12	2.3475	50.8605	-1015.5	1
43075_3075	43075	3075	18.939	-15.786	0.186	-1.0665	41.514	-1481.2	1
43075_3076	43075	3076	7.8645	-7.788	-0.1425	-0.6405	49.8135	-920.333	1
43076_3076	43076	3076	21.318	-13.686	-0.1965	2.61	46.4265	-1639.71	1
43076_3077	43076	3077	7.998	-6.5295	-0.135	1.845	48.657	-866.589	1
43077_3077	43077	3077	22.1295	-21.0705	-0.204	-1.0065	46.332	-1795.24	1
43077_3078	43077	3078	8.0535	-6.4605	-0.1515	-0.3555	46.473	-775.475	1
43078_3078	43078	3078	22.05	-19.2435	-0.2325	0.1155	45.6315	-1921.01	1
43078_3079	43078	3079	8.052	-6.222	-0.27	0.0165	43.446	-705.605	1
43079_3079	43079	3079	17.7975	-10.0095	-0.1755	0.579	44.733	-2067.07	1
43079_3080	43079	3080	7.722	-6.2115	-0.2715	0.015	40.5225	-635.781	1
43080_3080	43080	3080	16.4205	-3.3585	-0.054	1.0965	42.7155	-2100	1
43080_3081	43080	3081	7.722	-5.9925	-0.2115	-0.0915	38.1435	-568.425	1
43081_3081	43081	3081	15.414	-14.1	-0.0465	-0.5685	41.9085	-2207.57	1
43081_3082	43081	3082	7.722	-5.9925	-0.2175	-0.573	35.6925	-501.125	1
43082_3082	43082	3082	14.862	-6.825	0.033	0.852	41.1465	-2191.19	1
43082_3083	43082	3083	7.722	-5.9145	-0.237	-0.4395	32.832	-429.729	1
43083_3083	43083	3083	14.8155	-18.342	0.0435	-0.879	41.2755	-2255.8	1
43083_3084	43083	3084	4.581	5.604	0.279	0.3705	34.413	-496.404	1
43084_3084	43084	3084	14.847	-31.5075	-0.0225	0.306	41.802	-2182.18	1
43084_3085	43084	3085	4.581	5.6475	0.267	0.543	37.4055	-559.829	1
43085_3085	43085	3085	14.823	-41.8275	-0.012	-1.425	41.826	-2191.49	1
43085_3086	43085	3086	4.581	5.6475	0.2625	0.024	40.353	-623.301	1
43086_3086	43086	3086	17.151	-15.999	0.174	0.255	41.334	-2079.49	1
43086_3087	43086	3087	5.0685	5.778	0.2595	0.201	43.0515	-688.076	1
43087_3087	43087	3087	18.177	-26.7675	0.168	-1.263	42.5475	-2040.24	1
43087_3088	43087	3088	5.0685	5.778	0.255	-0.387	45.912	-752.949	1
43088_3088	43088	3088	18.7245	-21.4725	0.402	-0.012	43.119	-1898.55	1
43088_3089	43088	3089	5.07	6.144	0.3285	-0.0195	50.511	-838.907	1
43089_3089	43089	3089	18.8055	-34.311	0.417	-1.731	46.779	-1779.22	1
43089_3090	43089	3090	5.0175	6.1875	0.324	-1.2135	53.1825	-889.025	1
43090_3090	43090	3090	18.4785	-28.719	-0.3285	0.2865	48.7425	-1636.38	1
43090_3091	43090	3091	5.2095	7.2	0.0765	0.315	53.79	-973.19	1
43091_3091	43091	3091	17.7525	-39.198	-0.324	-1.986	42.03	-1478.32	1
43091_3092	43091	3092	5.418	7.398	0.063	-1.926	54.021	-1071.77	1
43092_3092	43092	3092	15.7425	-44.124	0.2625	-0.3	35.229	-1151.52	1
43092_3093	43092	3093	5.3655	8.205	0.3075	-0.1965	57.6855	-1174.13	1
43093_3093	43093	3093	14.4315	-54.111	0.069	-1.554	33.7575	-798.062	1
43093_3094	43093	3094	5.367	8.4075	0.303	-2.5995	60.8805	-1279.33	1
43094_3094	43094	3094	-62.1315	-1.728	-0.669	-0.156	53.547	-667.497	1
43094_3095	43094	3095	28.5765	-22.4895	-1.14	0.129	31.1235	-567.893	1
43095_3095	43095	3095	-54.5955	-7.968	-0.327	-1.4955	41.1	-856.542	1
43095_3096	43095	3096	43.3485	-14.3535	-1.2915	-1.29	35.685	-423.555	1
43096_3096	43096	3096	-48.696	-14.2005	-0.135	-1.245	34.5645	-992.243	1
43096_3097	43096	3097	58.5765	-3.672	-1.473	-1.7415	57.6315	-381.399	1
43097_3097	43097	3097	-42.3915	-13.9575	-0.753	-0.138	30.675	-1092.12	1
43097_3098	43097	3098	56.3895	-3.156	-1.479	-1.4445	45.858	-355.596	1
43098_3098	43098	3098	-36.441	-20.769	-0.606	-1.2555	22.2405	-1205.3	1
43098_3099	43098	3099	54.6645	-3.0705	-1.5375	-1.86	33.585	-330.8	1
43099_3099	43099	3099	-31.1505	-28.326	-0.504	-1.059	15.5355	-1270.04	1
43099_3100	43099	3100	52.536	-2.973	-1.524	-1.845	21.4425	-306.738	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43100_3100	43100	3100	-27.159	-24.417	-0.36	-4.4625	10.2225	-1285.69	1
43100_3101	43100	3101	51.603	-2.3535	-1.728	-2.8125	11.139	-292.56	1
43101_3101	43101	3101	-24.8535	-30.0675	-0.255	-4.893	7.6065	-1331.56	1
43101_3102	43101	3102	57.4995	2.5125	1.254	0.765	6.564	-295.554	1
43102_3102	43102	3102	-22.2735	-19.095	0.1275	6.531	6.7845	-1351.34	1
43102_3103	43102	3103	57.4875	2.5125	1.7355	3.2415	16.968	-310.593	1
43103_3103	43103	3103	-23.394	-25.164	0.2805	3.6165	8.3265	-1333.75	1
43103_3104	43103	3104	58.362	2.5215	1.6485	2.715	26.736	-325.71	1
43104_3104	43104	3104	-25.215	-18.732	0.402	1.332	11.3865	-1288.42	1
43104_3105	43104	3105	60.1965	3.1515	1.5165	2.079	38.73	-350.675	1
43105_3105	43105	3105	-28.5765	-26.925	0.5415	0.0735	17.1285	-1273.36	1
43105_3106	43105	3106	61.971	3.219	1.455	1.6695	50.307	-376.157	1
43106_3106	43106	3106	-33.261	-34.491	0.648	0.2985	24.5505	-1209	1
43106_3107	43106	3107	63.66	3.2955	1.4625	1.668	61.98	-402.308	1
43107_3107	43107	3107	-38.628	-34.119	-0.0345	0.723	33.4005	-1096.12	1
43107_3108	43107	3108	68.1645	3.9555	1.407	1.6095	72.591	-431.774	1
43108_3108	43108	3108	-44.3865	-41.04	0.1515	0.939	37.8465	-996.687	1
43108_3109	43108	3109	31.1505	22.431	1.1595	0.7815	31.9215	-570.104	1
43109_3109	43109	3109	-49.7655	-47.2935	0.393	0.258	44.886	-858.38	1
43109_3110	43109	3110	23.247	34.0905	1.017	0.0075	26.3865	-834.842	1
43110_3110	43110	3110	-1.5525	-2.466	-0.207	1.197	25.83	-478.421	1
43110_3111	43110	3111	8.838	-9.57	-0.324	3.192	60.444	-1230.74	1
43111_3111	43111	3111	11.637	-1.311	-0.1245	-0.3765	37.5135	-822.113	1
43111_3112	43111	3112	8.6865	-9.2295	-0.3405	-0.3825	56.949	-1114.13	1
43112_3112	43112	3112	15.4275	-5.5095	0.1545	1.6935	39.0135	-1165.04	1
43112_3113	43112	3113	8.949	-8.3685	-0.138	2.073	54.9015	-1003.12	1
43113_3113	43113	3113	19.098	-16.455	0.18	-0.855	45.1635	-1472.57	1
43113_3114	43113	3114	8.583	-8.0595	-0.156	-0.54	53.6325	-906.68	1
43114_3114	43114	3114	21.7095	-14.604	-0.57	0.48	50.6265	-1612.06	1
43114_3115	43114	3115	8.7195	-7.095	-0.42	0.633	50.127	-848.165	1
43115_3115	43115	3115	22.809	-22.1385	-0.5685	0.285	47.6685	-1739	1
43115_3116	43115	3116	8.7795	-7.02	-0.42	0.252	44.0385	-746.741	1
43116_3116	43116	3116	23.2335	-19.4145	-0.2415	1.392	41.727	-1821	1
43116_3117	43116	3117	8.7795	-6.5985	-0.279	0.5025	40.905	-672.555	1
43117_3117	43117	3117	22.71	-29.622	-0.276	-1.608	40.0365	-1937.85	1
43117_3118	43117	3118	7.7895	-6.57	-0.3	-0.6885	37.923	-598.578	1
43118_3118	43118	3118	21.6105	-23.3295	-0.24	1.317	37.4865	-1947.93	1
43118_3119	43118	3119	7.7895	-6.4755	-0.3075	0.0255	34.4655	-525.846	1
43119_3119	43119	3119	20.4435	-33.732	-0.2655	-1.875	35.034	-2031.93	1
43119_3120	43119	3120	7.7895	-6.4755	-0.3225	-0.9105	30.852	-453.113	1
43120_3120	43120	3120	19.3755	-26.6025	-0.1935	0.2265	32.0745	-1997.33	1
43120_3121	43120	3121	7.7895	-6.42	-0.327	-0.5775	26.913	-375.606	1
43121_3121	43121	3121	18.6015	-37.9995	-0.186	-1.1895	29.6775	-2051.14	1
43121_3122	43121	3122	9.7305	3.9045	0.087	0.237	19.521	-321.3	1
43122_3122	43122	3122	18.3495	-31.614	-0.1695	0.0405	27.4185	-1957.89	1
43122_3123	43122	3123	9.7305	3.981	0.0975	0.3345	20.6115	-366.003	1
43123_3123	43123	3123	18.6405	-42.357	-0.162	-1.428	25.5105	-1953.29	1
43123_3124	43123	3124	9.7305	3.981	0.0885	0.006	21.6045	-410.747	1
43124_3124	43124	3124	19.41	-35.742	0.0165	0.4545	23.7945	-1820.28	1
43124_3125	43124	3125	9.888	4.191	0.1125	0.3555	22.794	-457.808	1
43125_3125	43125	3125	23.481	-28.251	0.0525	-1.926	23.8755	-1769.42	1
43125_3126	43125	3126	10.248	4.203	0.0915	-0.462	23.6385	-504.911	1
43126_3126	43126	3126	24.222	-22.674	0.0525	0.1335	23.892	-1618.63	1
43126_3127	43126	3127	10.3365	4.605	0.069	0.051	24.528	-568.451	1
43127_3127	43127	3127	24.336	-35.6685	0.0765	-1.5825	24.0615	-1497.83	1
43127_3128	43127	3128	10.2975	4.692	0.057	-0.843	24.9885	-604.463	1
43128_3128	43128	3128	23.901	-29.2845	0.051	0.7035	24.528	-1356.09	1
43128_3129	43128	3129	10.4325	6.003	0.234	0.4785	27.5145	-674.919	1
43129_3129	43129	3129	22.8135	-39.882	0.039	-2.085	24.2685	-1219.91	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43129_3130	43129	3130	10.626	6.3345	0.1995	-1.5585	29.5335	-762.017	1
43130_3130	43130	3130	20.1675	-45.4365	-1.0635	-0.417	25.1205	-918.057	1
43130_3131	43130	3131	-22.143	29.5095	0.6855	1.2885	-15.318	-1037.99	1
43131_3131	43131	3131	18.5535	-55.437	-1.2915	-0.9105	9.504	-579.198	1
43131_3132	43131	3132	-27.711	42.3585	0.723	1.098	-9.099	-1448.64	1
43132_3132	43132	3132	-68.4165	1.794	1.518	-2.52	2.2215	-475.373	1
43132_3133	43132	3133	21.84	-24.591	-1.545	-2.256	17.508	-529.226	1
43133_3133	43133	3133	-59.136	-5.202	1.6395	-2.763	13.3455	-721.847	1
43133_3134	43133	3134	27.8895	-17.5845	-1.269	-1.4655	10.38	-357.843	1
43134_3134	43134	3134	-52.3545	-11.7705	1.1925	6.654	23.661	-876.359	1
43134_3135	43134	3135	68.6205	-1.734	0.48	3.7245	-24.6225	-287.027	1
43135_3135	43135	3135	-45.1365	-12.6255	-0.915	-0.174	31.6065	-994.008	1
43135_3136	43135	3136	68.61	-0.561	1.101	1.425	-15.816	-282.582	1
43136_3136	43136	3136	-38.3295	-19.842	-0.858	0.009	23.2365	-1118.6	1
43136_3137	43136	3137	67.2285	-0.5325	1.086	1.419	-6.4575	-278.286	1
43137_3137	43137	3137	-32.2095	-27.792	-0.759	-1.23	15.63	-1187.78	1
43137_3138	43137	3138	65.385	-0.4935	0.984	1.0665	2.1375	-274.236	1
43138_3138	43138	3138	-27.441	-23.178	-0.3285	0.0585	9.0045	-1204.12	1
43138_3139	43138	3139	65.3865	0.2265	0.8445	1.3245	7.2045	-275.591	1
43139_3139	43139	3139	-19.5135	-13.1715	0.0825	0.684	6.2625	-1262.6	1
43139_3140	43139	3140	66.3345	0.2385	0.8535	1.332	12.087	-277.008	1
43140_3140	43140	3140	-19.641	-19.773	0.1965	-1.2825	6.954	-1285.44	1
43140_3141	43140	3141	67.233	0.246	0.75	0.8775	16.4055	-278.456	1
43141_3141	43141	3141	-20.328	-26.175	0.243	1.059	8.7495	-1266.86	1
43141_3142	43141	3142	67.2315	0.246	0.8625	1.341	21.5805	-279.932	1
43142_3142	43142	3142	-21.7605	-19.2165	0.228	0.732	11.25	-1218.77	1
43142_3143	43142	3143	69.138	0.813	0.8775	1.218	28.401	-286.289	1
43143_3143	43143	3143	-24.6765	-27.7935	0.3225	-0.558	14.733	-1204.21	1
43143_3144	43143	3144	72.2655	0.9285	0.81	0.8805	34.6485	-293.202	1
43144_3144	43144	3144	-28.9725	-35.7345	0.3555	1.0125	19.263	-1136.37	1
43144_3145	43144	3145	74.4885	1.0305	0.9135	1.26	41.796	-300.971	1
43145_3145	43145	3145	-33.9525	-35.547	-0.42	-0.177	24.324	-1015.66	1
43145_3146	43145	3146	38.3265	17.427	0.855	0.2295	17.8665	-393.275	1
43146_3146	43146	3146	-39.39	-42.7755	-0.33	0.9735	23.943	-907.473	1
43146_3147	43146	3147	27.624	24.9705	0.93	0.606	18.315	-554.87	1
43147_3147	43147	3147	-44.5095	-49.296	-0.1395	0.264	25.11	-753.002	1
43147_3148	43147	3148	20.8965	37.698	0.9195	0.078	18.7035	-856.167	1
43148_3148	43148	3148	4.32	-3.0225	-0.159	0.4875	16.6395	-416.154	1
43148_3149	43148	3149	23.8275	-11.109	-0.168	1.3305	38.004	-1090.85	1
43149_3149	43149	3149	22.7295	-1.3755	0.036	0.0765	22.7535	-708.845	1
43149_3150	43149	3150	23.739	-10.3785	-0.1695	0.3135	36.432	-959.876	1
43150_3150	43150	3150	28.8885	-5.841	0.18	0.4515	23.8875	-1027.85	1
43150_3151	43150	3151	23.958	-9.2805	-0.105	0.7335	35.022	-836.607	1
43151_3151	43151	3151	35.016	-16.5405	0.264	0.1755	28.137	-1294.74	1
43151_3152	43151	3152	23.883	-8.6265	-0.1005	0.138	34.0785	-727.263	1
43152_3152	43152	3152	39.555	-14.7405	-0.3525	-0.0465	32.5875	-1408.81	1
43152_3153	43152	3153	24.027	-7.416	-0.243	0.1575	32.067	-666.062	1
43153_3153	43153	3153	41.8425	-21.831	-0.297	0.1635	30.4515	-1514	1
43153_3154	43153	3154	23.502	-7.179	-0.2385	0.081	29.0415	-564.303	1
43154_3154	43154	3154	43.956	-19.6575	-0.2175	0.5055	27.9315	-1571.52	1
43154_3155	43154	3155	23.502	-6.819	-0.1905	0.0195	26.9505	-489.288	1
43155_3155	43155	3155	44.568	-29.9925	-0.2325	-0.7635	26.3175	-1668.67	1
43155_3156	43155	3156	23.5005	-6.819	-0.2115	-0.4245	24.6225	-414.269	1
43156_3156	43156	3156	44.388	-24.87	-0.096	-0.1815	24.4095	-1661.76	1
43156_3157	43156	3157	23.5005	-6.7155	-0.1935	-0.438	22.6905	-347.034	1
43157_3157	43157	3157	44.055	-34.5735	-0.0645	-0.078	23.9205	-1713.9	1
43157_3158	43157	3158	23.5005	-6.7155	-0.1935	-0.438	20.757	-279.795	1
43158_3158	43158	3158	43.6695	-28.3425	-0.0195	-0.222	23.8245	-1670.66	1
43158_3159	43158	3159	22.815	5.8605	0.1935	0.351	22.1385	-309.62	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43159_3159	43159	3159	43.905	-20.685	0.081	0.12	24.462	-1708.01	1
43159_3160	43159	3160	22.815	5.8605	0.1935	0.3465	24.078	-368.352	1
43160_3160	43160	3160	44.202	-14.049	0.2145	0.615	25.296	-1653.28	1
43160_3161	43160	3161	22.9215	6.0435	0.2025	0.3375	26.2725	-434.763	1
43161_3161	43161	3161	44.373	-25.2795	0.2055	-0.7215	27.537	-1656.82	1
43161_3162	43161	3162	22.9215	6.0435	0.1815	-0.0645	28.2705	-501.252	1
43162_3162	43162	3162	43.7925	-20.2485	0.2385	-0.519	29.415	-1556.65	1
43162_3163	43162	3163	23.2125	6.585	0.225	-0.222	31.2165	-591.743	1
43163_3163	43163	3163	42.0285	-33.267	0.363	0.762	32.418	-1494.57	1
43163_3164	43163	3164	23.157	6.777	0.249	0.1185	33.264	-648.959	1
43164_3164	43164	3164	40.335	-28.014	-0.3405	-0.3195	35.103	-1381.22	1
43164_3165	43164	3165	23.5845	8.145	0.081	-0.2025	33.687	-743.975	1
43165_3165	43165	3165	37.3845	-38.2695	-0.3075	-0.453	29.946	-1267.01	1
43165_3166	43165	3166	23.3715	8.7345	0.0945	-0.6315	34.941	-866.174	1
43166_3166	43166	3166	32.5545	-43.662	0.141	-0.201	25.098	-981.798	1
43166_3167	43166	3167	23.286	10.104	0.1515	-0.2745	36.468	-992.613	1
43167_3167	43167	3167	28.347	-53.448	-0.0345	-0.7245	23.8605	-658.727	1
43167_3168	43167	3168	-48.6015	39.393	-0.2205	1.2735	-36.6195	-1367.15	1
43168_3168	43168	3168	-55.914	0.51	-0.2175	-0.081	32.61	-544.449	1
43168_3169	43168	3169	28.5255	-26.094	-0.909	0.0645	18.765	-574.94	1
43169_3169	43169	3169	-48.96	-5.7765	0.033	-0.804	26.277	-759.303	1
43169_3170	43169	3170	37.6005	-18.789	-0.93	-0.5985	17.367	-393.741	1
43170_3170	43170	3170	-43.509	-12.0765	0.195	-0.6345	23.9055	-907.788	1
43170_3171	43170	3171	52.6125	-12.3705	-0.9015	-0.699	17.2305	-277.209	1
43171_3171	43171	3171	-37.659	-12.228	-0.435	-0.504	23.679	-1021.1	1
43171_3172	43171	3172	43.968	-1.3905	0.888	0.9855	-18.279	-249.099	1
43172_3172	43172	3172	-32.2605	-19.191	-0.3555	-0.405	18.6645	-1145.5	1
43172_3173	43172	3173	43.968	-1.3905	0.8865	0.9795	-11.184	-237.969	1
43173_3173	43173	3173	-27.5385	-26.9355	-0.273	-0.279	14.6595	-1219.92	1
43173_3174	43173	3174	64.0545	-0.5565	-0.8745	-1.002	18.057	-228.321	1
43174_3174	43174	3174	-24.198	-23.451	-0.363	-1.3365	11.682	-1243.61	1
43174_3175	43174	3175	64.053	0.111	-0.993	-1.263	12.0975	-228.978	1
43175_3175	43175	3175	-22.464	-29.2935	-0.3075	0.75	9.189	-1293.16	1
43175_3176	43175	3176	64.0545	0.111	-0.8865	-0.8805	6.78	-229.647	1
43176_3176	43176	3176	-21.5055	-35.586	-0.1725	-1.2675	7.5675	-1313.72	1
43176_3177	43176	3177	60.726	0.138	-0.963	-1.2465	1.632	-230.321	1
43177_3177	43177	3177	-21.129	-42.069	-0.1095	0.9825	7.2465	-1293.45	1
43177_3178	43177	3178	60.7275	0.138	-0.8625	-0.8625	-3.5415	-231.15	1
43178_3178	43178	3178	-28.3305	-19.7205	0.1785	0.5985	11.769	-1242.95	1
43178_3179	43178	3179	64.053	1.2225	-0.792	-0.936	-10.836	-240.764	1
43179_3179	43179	3179	-32.994	-28.0785	0.252	0.7575	14.649	-1219.54	1
43179_3180	43179	3180	64.053	1.2225	-0.792	-0.936	-17.175	-250.55	1
43180_3180	43180	3180	-38.9925	-35.805	0.375	-0.4905	18.3975	-1145.75	1
43180_3181	43180	3181	43.4865	13.002	0.507	0.6075	16.9035	-269.114	1
43181_3181	43181	3181	-45.6075	-36.06	-0.375	0.9105	23.4015	-1021.88	1
43181_3182	43181	3182	31.083	18.8835	0.9255	0.6675	17.0475	-387.581	1
43182_3182	43182	3182	-52.587	-42.996	-0.1605	-0.069	23.3115	-908.585	1
43182_3183	43182	3183	24.2865	26.208	0.9045	0.066	18.123	-564.513	1
43183_3183	43183	3183	-59.1375	-49.2555	-0.0225	0.306	25.764	-749.988	1
43183_3184	43183	3184	21.1095	39.2925	0.9045	0.333	18.4035	-885.312	1
43184_3184	43184	3184	-11.046	-5.952	-0.0915	-0.5865	6.195	-378.999	1
43184_3185	43184	3185	-34.4685	-31.797	-0.0135	-1.242	-30.117	-986.304	1
43185_3185	43185	3185	16.014	0.387	0.093	0.138	23.4705	-626.009	1
43185_3186	43185	3186	12.198	-8.3355	-0.1425	0.2955	35.415	-818.226	1
43186_3186	43186	3186	20.8755	-4.194	0.333	0.5715	25.128	-967.442	1
43186_3187	43186	3187	12.003	-7.3065	-0.027	0.7725	35.7765	-720.761	1
43187_3187	43187	3187	25.7355	-14.514	0.441	0.1905	31.458	-1271.7	1
43187_3188	43187	3188	11.8875	-6.9645	-0.0285	0.1095	35.8515	-635.154	1
43188_3188	43188	3188	29.2545	-13.5405	-0.2715	0.0735	38.1885	-1427.91	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43188_3189	43188	3189	12.0045	-5.8935	-0.18	0.273	34.356	-586.506	1
43189_3189	43189	3189	30.93	-20.4465	-0.2025	0.2685	36.885	-1557.54	1
43189_3190	43189	3190	11.946	-5.7885	-0.1785	0.171	31.992	-504.833	1
43190_3190	43190	3190	32.229	-19.2255	-0.147	0.0495	36.1575	-1661.76	1
43190_3191	43190	3191	11.514	-5.3445	-0.156	-0.051	30.546	-446.01	1
43191_3191	43191	3191	32.3475	-29.1855	-0.0915	0.204	35.856	-1783.72	1
43191_3192	43191	3192	11.319	-5.3385	-0.1575	-0.0525	28.9155	-387.224	1
43192_3192	43192	3192	31.839	-24.882	-0.0525	-0.057	36.273	-1805.77	1
43192_3193	43192	3193	11.319	-5.1705	-0.1635	-0.336	27.2685	-335.156	1
43193_3193	43193	3193	30.393	-15.7635	0.1065	0.4395	37.8315	-1874.39	1
43193_3194	43193	3194	10.3965	6.444	0.321	0.7785	33.9465	-344.775	1
43194_3194	43194	3194	30.4575	-9.9795	0.24	0.1905	39.219	-1856.81	1
43194_3195	43194	3195	10.3965	6.549	0.333	0.519	37.3035	-410.736	1
43195_3195	43195	3195	30.7155	-19.8105	0.282	0.336	41.718	-1900.88	1
43195_3196	43195	3196	10.3965	6.549	0.333	0.519	40.662	-476.691	1
43196_3196	43196	3196	30.951	-14.1705	0.384	-0.7545	44.583	-1853.17	1
43196_3197	43196	3197	11.01	6.8355	0.3675	-0.084	44.439	-551.595	1
43197_3197	43197	3197	31.086	-24.858	0.4665	0.9825	48.4515	-1853.42	1
43197_3198	43197	3198	11.01	6.8355	0.378	0.4095	48.5955	-626.799	1
43198_3198	43198	3198	30.6255	-20.88	0.333	-0.027	52.8135	-1754.4	1
43198_3199	43198	3199	11.3295	7.539	0.3705	-0.072	53.4735	-730.41	1
43199_3199	43199	3199	29.259	-33.294	0.4005	-0.645	55.674	-1683.17	1
43199_3200	43199	3200	11.268	7.6305	0.369	-0.6	56.511	-795.888	1
43200_3200	43200	3200	28.023	-29.3835	-0.267	0.099	57.5505	-1564.82	1
43200_3201	43200	3201	11.127	8.859	0.2175	0.114	59.0895	-899.901	1
43201_3201	43201	3201	25.9995	-39.1635	-0.279	-1.605	51.0915	-1427.4	1
43201_3202	43201	3202	11.5725	9.243	0.2025	-1.569	60.696	-1026.1	1
43202_3202	43202	3202	22.6635	-44.6415	0.2655	-0.5385	43.77	-1125.28	1
43202_3203	43202	3203	11.2875	10.2915	0.237	-0.639	63.7815	-1155.05	1
43203_3203	43203	3203	20.067	-53.799	0.0825	-1.4445	40.926	-784.221	1
43203_3204	43203	3204	-35.583	43.6755	-0.366	2.409	-69.0105	-1375.63	1
43204_3204	43204	3204	-63.3825	-1.656	-0.693	-1.176	63.9345	-665.385	1
43204_3205	43204	3205	31.5285	-25.686	-1.074	-0.8925	34.1775	-639.417	1
43205_3205	43205	3205	-55.584	-7.473	-0.5205	-0.021	49.9725	-868.092	1
43205_3206	43205	3206	43.3335	-18.1875	-1.1415	-0.138	37.524	-453.45	1
43206_3206	43206	3206	-49.389	-13.212	-0.27	-1.1865	40.974	-1004.31	1
43206_3207	43206	3207	57.7695	-12.474	-1.293	-0.918	38.5365	-334.311	1
43207_3207	43207	3207	-42.84	-13.719	-0.7155	-0.525	34.965	-1110.86	1
43207_3208	43207	3208	74.802	-2.373	-1.692	-1.6455	51.231	-288.464	1
43208_3208	43208	3208	-36.7095	-20.163	-0.567	-0.2385	26.0775	-1226.21	1
43208_3209	43208	3209	68.601	-1.9575	-1.665	-1.6215	38.712	-271.542	1
43209_3209	43209	3209	-31.2675	-27.2955	-0.3735	-1.599	19.2915	-1297.66	1
43209_3210	43209	3210	64.6275	-1.8	-1.722	-1.9455	25.251	-256.292	1
43210_3210	43210	3210	-27.1635	-25.0035	-0.564	-0.093	14.832	-1325.54	1
43210_3211	43210	3211	59.7615	1.3695	1.818	1.9695	-2.595	-261.59	1
43211_3211	43211	3211	-22.7625	-12.5025	0.1395	0.8145	8.418	-1371.45	1
43211_3212	43211	3212	59.7615	1.3695	1.818	1.9695	8.3145	-269.808	1
43212_3212	43212	3212	-23.853	-18.5595	0.3225	-1.2765	9.1665	-1392.86	1
43212_3213	43212	3213	59.7645	1.3695	1.719	1.5195	18.627	-278.03	1
43213_3213	43213	3213	-25.5675	-24.4515	0.4215	1.308	11.733	-1376.64	1
43213_3214	43213	3214	62.652	1.4325	1.842	2.004	29.208	-286.584	1
43214_3214	43214	3214	-28.0665	-19.932	0.237	-0.624	15.6645	-1334.03	1
43214_3215	43214	3215	65.256	2.235	1.707	1.566	42.4725	-303.678	1
43215_3215	43215	3215	-32.445	-27.663	0.3435	1.1355	20.082	-1309.53	1
43215_3216	43215	3216	66.5025	2.289	1.794	1.9515	56.652	-321.929	1
43216_3216	43216	3216	-38.1645	-34.8045	0.4905	1.2405	26.3205	-1241.23	1
43216_3217	43216	3217	60.8955	11.1375	1.3095	1.488	43.755	-349.176	1
43217_3217	43217	3217	-44.535	-35.52	0.039	0.6285	34.6425	-1128.6	1
43217_3218	43217	3218	42.8235	17.631	1.3455	1.2195	40.4565	-461.963	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43218_3218	43218	3218	-51.3075	-41.8755	0.1725	2.1135	40.239	-1023.24	1
43218_3219	43218	3219	30.357	25.698	1.284	1.6485	37.623	-633.138	1
43219_3219	43219	3219	-57.741	-47.625	0.633	-1.08	48.2055	-873.923	1
43219_3220	43219	3220	23.376	37.5765	1.0365	-0.8505	31.728	-942.713	1
43220_3220	43220	3220	9.579	6.549	0.129	1.956	32.5155	-388.577	1
43220_3221	43220	3221	6.96	-10.6275	-0.3135	4.5165	69.7695	-1211.49	1
43221_3221	43221	3221	13.1865	-0.654	-0.1395	-0.684	40.251	-810.518	1
43221_3222	43221	3222	6.708	-10.3395	-0.336	-1.131	67.0185	-1080.92	1
43222_3222	43222	3222	17.628	-5.016	0.351	4.0215	40.944	-1159.46	1
43222_3223	43222	3223	6.8055	-9.369	-0.3465	3.927	62.4645	-956.553	1
43223_3223	43223	3223	22.305	-14.5275	0.2835	-3.687	49.233	-1472.69	1
43223_3224	43223	3224	6.6915	-9.1545	-0.393	-2.4645	58.464	-846.317	1
43224_3224	43224	3224	25.887	-13.8345	-0.186	5.2965	56.244	-1649.79	1
43224_3225	43224	3225	6.72	-7.848	-0.2055	3.081	56.778	-781.554	1
43225_3225	43225	3225	27.7485	-21.7905	-0.2535	-2.568	56.6385	-1797.41	1
43225_3226	43225	3226	6.7815	-7.794	-0.237	-1.008	53.0325	-657.339	1
43226_3226	43226	3226	29.7975	-21.06	-0.267	3.5655	56.6985	-1939.81	1
43226_3227	43226	3227	6.234	-7.275	-0.348	1.161	49.1295	-569.09	1
43227_3227	43227	3227	30.1965	-10.8675	-0.1605	-3.4395	56.9175	-2071.89	1
43227_3228	43227	3228	6.2325	-7.275	-0.375	-1.1985	44.601	-481.122	1
43228_3228	43228	3228	30.3225	-28.08	-0.0645	3.456	54.1425	-2087.71	1
43228_3229	43228	3229	9.291	6.996	0.327	1.5645	43.698	-423.926	1
43229_3229	43229	3229	29.913	-18.114	0.0645	-3.819	56.601	-2147.27	1
43229_3230	43229	3230	9.4245	7.0005	0.288	-0.189	47.139	-508.575	1
43230_3230	43230	3230	29.88	-15.0555	0.2415	3.9345	57.759	-2073.44	1
43230_3231	43230	3231	9.9375	7.344	0.297	1.6005	50.547	-598.278	1
43231_3231	43231	3231	29.664	-25.983	0.18	-3.894	60.3855	-2046.61	1
43231_3232	43231	3232	10.2225	7.356	0.2535	-0.858	53.4795	-688.391	1
43232_3232	43232	3232	29.007	-24.999	-0.3345	1.935	61.845	-1895.36	1
43232_3233	43232	3233	10.224	8.0535	0.1695	1.287	54.807	-751.331	1
43233_3233	43233	3233	28.164	-31.599	-0.357	1.1055	57.5235	-1837.13	1
43233_3234	43233	3234	10.224	8.0535	0.1635	0.828	56.0235	-811.373	1
43234_3234	43234	3234	27.432	-37.4445	-0.4065	-3.924	53.217	-1731.37	1
43234_3235	43234	3235	10.1595	8.1345	0.1335	-1.9185	57.1995	-883.515	1
43235_3235	43235	3235	26.16	-37.455	1.671	2.1795	47.883	-1564.95	1
43235_3236	43235	3236	10.767	9.2895	0.6	2.148	59.895	-937.677	1
43236_3236	43236	3236	25.2825	-41.6625	1.641	0.1785	55.974	-1468.97	1
43236_3237	43236	3237	10.6875	9.3825	0.5865	0.456	62.967	-987.099	1
43237_3237	43237	3237	24.7785	-45.108	1.5585	-3.8445	62.742	-1374.63	1
43237_3238	43237	3238	10.77	9.582	0.5535	-3.1875	67.9695	-1086.48	1
43238_3238	43238	3238	22.2135	-34.5555	-1.1595	0.819	73.2885	-1138.9	1
43238_3239	43238	3239	10.4565	13.1985	-0.864	1.1805	59.3535	-1221.87	1
43239_3239	43239	3239	20.391	-42.705	-1.0755	-2.265	55.2465	-1000.61	1
43239_3240	43239	3240	10.7625	13.581	-0.879	-2.8365	48.5565	-1367.69	1
43240_3240	43240	3240	16.5645	-30.129	-0.609	-0.162	39.063	-765.396	1
43240_3241	43240	3241	9.7785	19.629	1.047	-4.8495	56.085	-1511.88	1
43241_3241	43241	3241	-70.8525	-15.4725	0.2025	-0.504	66.7155	-1009.79	1
43241_3242	43241	3242	52.6995	-18.4485	0.618	1.629	40.7325	-641.538	1
43242_3242	43242	3242	-64.227	-23.151	0.5265	-3.9555	64.107	-1090.92	1
43242_3243	43242	3243	60.18	-16.0245	0.486	-0.8445	53.007	-503.469	1
43243_3243	43243	3243	-58.611	-11.118	-2.2845	0.423	63.903	-1109.86	1
43243_3244	43243	3244	90.7125	-5.1135	-2.1255	-0.909	71.2965	-386.52	1
43244_3244	43244	3244	-51.9975	-17.8545	-1.9725	-1.737	37.086	-1260.89	1
43244_3245	43244	3245	81.825	-2.4105	-2.391	-1.899	55.4895	-355.43	1
43245_3245	43245	3245	-45.4485	-21.246	-0.489	1.812	13.629	-1366.55	1
43245_3246	43245	3246	74.373	-1.524	-1.689	-1.0755	40.1115	-337.338	1
43246_3246	43246	3246	-40.335	-29.517	-0.09	-3.1455	7.335	-1457.81	1
43246_3247	43246	3247	72.4215	-1.443	-1.9755	-2.433	21.2445	-322.677	1
43247_3247	43247	3247	-37.002	-31.854	-0.7605	1.722	6.6585	-1480.1	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43247_3248	43247	3248	64.203	1.413	1.5165	2.514	25.2465	-326.423	1
43248_3248	43248	3248	-35.4015	-40.3635	-0.5625	-2.4675	0.12	-1488.45	1
43248_3249	43248	3249	67.74	1.554	1.3215	1.4175	38.3565	-342.578	1
43249_3249	43249	3249	-42.18	-25.5525	0.6225	2.1195	-1.857	-1413.92	1
43249_3250	43249	3250	74.274	2.5515	0.8055	2.3925	45.2235	-366.014	1
43250_3250	43250	3250	-48.1605	-34.155	0.7575	-1.173	5.9685	-1320.03	1
43250_3251	43250	3251	81.672	3.996	0.6225	1.2645	47.949	-393.78	1
43251_3251	43251	3251	-55.137	-21.192	2.8815	3.414	14.0445	-1185.23	1
43251_3252	43251	3252	64.0005	12.867	2.4945	2.2995	51.258	-486.783	1
43252_3252	43252	3252	-61.8825	-28.6245	3.6165	0.054	42.6225	-1186.39	1
43252_3253	43252	3253	51.99	16.785	1.734	0.462	53.5245	-614.132	1
43253_3253	43253	3253	-68.5275	-35.9115	4.254	-0.8565	81.426	-1124.85	1
43253_3254	43253	3254	43.3515	21.06	1.191	-0.4275	47.6415	-760.695	1
43254_3254	43254	3254	-74.1945	-22.86	-4.1295	-5.067	123.8985	-1027.91	1
43254_3255	43254	3255	43.413	19.545	-0.7155	-9.1275	45.306	-824.733	1
43255_3255	43255	3255	10.32	-5.499	-3.615	1.89	63.264	-725.568	1
43255_3256	43255	3256	7.524	-13.5435	-4.0515	6.2505	45.5685	-1345.26	1
43256_3256	43256	3256	13.1445	-11.8815	-4.4145	-0.834	28.7205	-939.441	1
43256_3257	43256	3257	7.269	-13.0215	-4.1235	0.528	13.5345	-1237.79	1
43257_3257	43257	3257	16.3695	-1.6875	2.097	3.198	-9.936	-1061.09	1
43257_3258	43257	3258	7.4685	-10.4205	1.92	3.942	32.2965	-1134.63	1
43258_3258	43258	3258	19.3755	-7.338	2.121	0.9015	9.18	-1319.79	1
43258_3259	43258	3259	7.6395	-10.296	1.9035	0.963	48.8595	-1045.93	1
43259_3259	43259	3259	22.029	-12.933	2.0685	-4.5375	26.3655	-1500.85	1
43259_3260	43259	3260	7.788	-10.188	1.878	-3.768	54.9165	-1010.28	1
43260_3260	43260	3260	22.902	-10.0035	0.7695	5.07	32.5605	-1553.44	1
43260_3261	43260	3261	7.9605	-9.1725	-0.1125	3.9615	53.8755	-940.641	1
43261_3261	43261	3261	24.951	-14.8275	0.87	1.719	39.201	-1708.97	1
43261_3262	43261	3262	7.3335	-8.988	-0.156	1.3005	53.325	-855.962	1
43262_3262	43262	3262	27.114	-21.624	0.93	-4.326	49.707	-1863.88	1
43262_3263	43262	3263	7.407	-8.9265	-0.1815	-2.0745	51.948	-788.169	1
43263_3263	43263	3263	28.5045	-18.189	-0.1065	3.087	59.013	-1944.36	1
43263_3264	43263	3264	7.4055	-8.0895	-0.093	1.545	50.9055	-696.959	1
43264_3264	43264	3264	30.069	-26.8485	-0.0645	-1.509	60.81	-2099.26	1
43264_3265	43264	3265	7.1805	-8.073	-0.1125	-0.234	49.6575	-601.674	1
43265_3265	43265	3265	32.229	-3.7365	0.1005	4.8045	65.5155	-2164.49	1
43265_3266	43265	3266	7.0815	-7.674	-0.1605	1.0635	47.817	-512.475	1
43266_3266	43266	3266	32.682	-13.779	0.084	-3.1875	66.8595	-2260.9	1
43266_3267	43266	3267	6.4995	-7.6395	-0.1905	-0.8775	45.645	-424.742	1
43267_3267	43267	3267	33.126	-11.6385	0.3735	3.4395	68.187	-2242.44	1
43267_3268	43267	3268	16.3575	7.1565	0.4155	1.3995	51.267	-485.493	1
43268_3268	43268	3268	33.507	-21.585	0.36	-2.376	72.2445	-2247.75	1
43268_3269	43268	3269	16.359	7.1565	0.3705	0.0405	55.4985	-567.374	1
43269_3269	43269	3269	33.699	-20.637	0.0675	3.4725	75.7995	-2139.99	1
43269_3270	43269	3270	16.776	7.5945	0.4665	1.734	60.9285	-659.96	1
43270_3270	43270	3270	33.4215	-30.7365	-0.084	-3.783	73.6425	-2048.63	1
43270_3271	43270	3271	16.7775	7.5945	0.4035	-0.7845	65.8035	-751.773	1
43271_3271	43271	3271	32.496	-33.147	0.6615	4.032	68.877	-1857.26	1
43271_3272	43271	3272	16.773	8.193	-0.4215	2.9565	62.8875	-808.61	1
43272_3272	43272	3272	31.9515	-38.0895	0.552	-0.2355	70.431	-1756.96	1
43272_3273	43272	3273	17.0745	8.3685	-0.4575	0.5085	58.1355	-888.219	1
43273_3273	43273	3273	30.9555	-44.2275	0.387	-5.601	70.377	-1575.74	1
43273_3274	43273	3274	16.956	8.604	-0.5115	-3.075	53.8665	-959.058	1
43274_3274	43274	3274	28.929	-30.1035	-2.7525	2.9925	67.9005	-1388.25	1
43274_3275	43274	3275	16.749	12.006	-2.2995	2.9385	48.684	-987.155	1
43275_3275	43275	3275	28.7085	-31.6785	-2.712	0.5955	59.664	-1382.79	1
43275_3276	43275	3276	16.9755	12.318	-2.277	1.002	28.482	-1097.3	1
43276_3276	43276	3276	27.039	-38.391	-2.535	-3.2265	30.9645	-1291.57	1
43276_3277	43276	3277	16.914	12.627	-2.3115	-2.6025	8.1255	-1207.19	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43277_3277	43277	3277	24.4095	-31.5015	1.8645	-5.4015	5.532	-1141.02	1
43277_3278	43277	3278	16.8255	16.8225	3.384	-3.027	43.605	-1381.58	1
43278_3278	43278	3278	22.5675	-39.1815	1.689	-7.758	19.1895	-1020.12	1
43278_3279	43278	3279	16.4475	17.3805	3.3045	-7.2225	74.715	-1548.64	1
43279_3279	43279	3279	-70.3755	-25.746	-0.921	20.757	54.4845	-1168.16	1
43279_3280	43279	3280	55.434	-18.4545	0.2715	3.2985	35.9145	-725.312	1
43280_3280	43280	3280	-67.7355	-14.8665	-0.3675	2.7	47.0415	-1160.83	1
43280_3281	43280	3281	64.0275	-15.489	-0.261	1.5645	42.8115	-621.605	1
43281_3281	43281	3281	-63.813	-19.461	-0.006	-0.585	40.188	-1231.52	1
43281_3282	43281	3282	77.0565	-12.3135	-0.597	-0.48	49.2255	-480.959	1
43282_3282	43282	3282	-57.7065	-27.354	0.375	-3.7965	34.7775	-1284.54	1
43282_3283	43282	3283	87.24	-10.428	-0.99	-1.989	49.7955	-383.382	1
43283_3283	43283	3283	-52.4265	-22.524	-1.9155	1.4445	33.858	-1237.41	1
43283_3284	43283	3284	89.6115	-5.706	-3.1425	-0.0945	27.4155	-339.056	1
43284_3284	43284	3284	-45.6975	-33.1335	-1.281	-2.724	8.061	-1270.45	1
43284_3285	43284	3285	82.5675	-5.028	-3.492	-1.41	-13.752	-275.015	1
43285_3285	43285	3285	-41.4915	-26.91	0.147	1.5375	-4.2405	-1202.24	1
43285_3286	43285	3286	68.0085	2.7165	0.1725	1.5765	17.5065	-305.121	1
43286_3286	43286	3286	-43.518	-20.1165	0.2595	-2.5995	4.0275	-1239.38	1
43286_3287	43286	3287	71.2635	2.961	-0.1545	0.267	16.017	-335.021	1
43287_3287	43287	3287	-48.2025	-14.34	0.177	1.9515	7.752	-1189.55	1
43287_3288	43287	3288	78.4455	5.6925	1.2885	1.5105	29.433	-394.026	1
43288_3288	43288	3288	-55.425	-25.0335	0.5475	-1.728	12.18	-1226.45	1
43288_3289	43288	3289	78.453	9.6615	0.924	0.093	33.6195	-468.965	1
43289_3289	43289	3289	-64.0335	-19.7145	-0.081	2.4285	22.413	-1175.46	1
43289_3290	43289	3290	66.51	13.0065	0.405	1.9275	30.021	-570.452	1
43290_3290	43290	3290	-70.842	-26.9805	0.2085	0.252	25.4805	-1204.42	1
43290_3291	43290	3291	56.4285	15.522	0.3195	0.5655	26.937	-680.436	1
43291_3291	43291	3291	-77.0625	-33.6075	0.5205	-1.7355	31.6125	-1176.06	1
43291_3292	43291	3292	48.87	18.2925	0.2625	-0.8475	24.5955	-812.93	1
43292_3292	43292	3292	-82.995	-25.539	-1.623	5.004	40.9635	-1118.66	1
43292_3293	43292	3293	48.8625	19.161	-0.5445	-3.288	23.229	-861.032	1
43293_3293	43293	3293	2.553	-6.549	-0.0765	0.708	12.27	-823.952	1
43293_3294	43293	3294	0.6525	-13.7325	-0.216	3.663	20.721	-1503.27	1
43294_3294	43294	3294	2.847	-12.0195	-0.4935	-3.0735	12.5415	-1039.86	1
43294_3295	43294	3295	1.101	-13.704	-0.225	-3.1425	19.0845	-1368.83	1
43295_3295	43295	3295	4.0455	-5.1675	-0.072	3.747	4.017	-1237.52	1
43295_3296	43295	3296	1.5645	-10.182	-0.3735	4.4355	14.697	-1257.87	1
43296_3296	43296	3296	6.003	9.999	0.1665	-1.0515	-0.0405	-1557.84	1
43296_3297	43296	3297	1.6425	-9.987	-0.393	-0.873	12.039	-1174.04	1
43297_3297	43297	3297	5.91	3.2235	0.153	-5.6055	2.073	-1759.57	1
43297_3298	43297	3298	1.797	-9.96	-0.399	-4.386	10.35	-1130.66	1
43298_3298	43298	3298	5.964	11.001	0.5535	4.3245	3.252	-1843.46	1
43298_3299	43298	3299	1.9215	-7.8045	0.2595	2.628	12.408	-1066.45	1
43299_3299	43299	3299	6.0045	4.1355	0.513	0.1305	8.7255	-2057.56	1
43299_3300	43299	3300	1.947	-7.7985	0.255	0.288	14.3145	-1008.34	1
43300_3300	43300	3300	6.027	-2.1825	0.462	-3.7515	13.0845	-2207.06	1
43300_3301	43300	3301	1.8045	-7.6905	0.249	-1.6155	16.23	-953.747	1
43301_3301	43301	3301	6.0165	5.148	-0.363	5.007	16.2795	-2310.21	1
43301_3302	43301	3302	1.761	-6.462	-0.228	2.076	13.509	-875.546	1
43302_3302	43302	3302	5.979	-4.9785	-0.36	-4.2555	11.739	-2537.92	1
43302_3303	43302	3303	1.7595	-6.462	-0.234	-1.2585	10.647	-796.743	1
43303_3303	43303	3303	5.937	-0.339	-0.1035	4.086	7.317	-2635.52	1
43303_3304	43303	3304	1.761	-5.7165	-0.1125	1.1835	9.213	-723.422	1
43304_3304	43304	3304	5.9025	-10.8585	-0.12	-4.014	5.739	-2780.13	1
43304_3305	43304	3305	1.578	-5.67	-0.1185	-1.0035	7.9485	-658.172	1
43305_3305	43305	3305	5.877	-4.449	-0.144	4.8375	4.062	-2788.28	1
43305_3306	43305	3306	1.5765	-5.2455	-0.129	0.9345	6.2475	-588.78	1
43306_3306	43306	3306	5.8995	-37.7775	-0.165	-5.6505	2.448	-2877.43	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
43306_3307	43306	3307	1.5765	-5.2455	-0.135	-1.2495	4.7655	-530.855	1
43307_3307	43307	3307	5.877	-30.9735	-0.1365	3.891	0.339	-2836.28	1
43307_3308	43307	3308	1.53	-5.0295	-0.186	0.4965	2.439	-467.649	1
43308_3308	43308	3308	5.853	-40.692	-0.15	-4.947	-1.698	-2865.41	1
43308_3309	43308	3309	1.53	-5.0295	-0.1905	-1.071	0.2025	-408.786	1
43309_3309	43309	3309	5.811	-34.3515	-0.1695	3.426	-3.6285	-2762.67	1
43309_3310	43309	3310	1.5285	-4.9845	-0.1785	0.1005	-1.9185	-349.65	1
43310_3310	43310	3310	5.7225	-43.83	-0.198	-3.9045	-5.913	-2723.5	1
43310_3311	43310	3311	1.5285	-4.9845	-0.183	-0.924	-4.1925	-287.78	1
43311_3311	43311	3311	5.538	-40.0065	-0.06	2.88	-8.8215	-2530.44	1
43311_3312	43311	3312	1.5255	-5.154	-0.519	-0.189	-10.482	-225.372	1
43312_3312	43312	3312	5.22	-50.8785	0.09	-3.9585	-7.89	-2351.08	1
43312_3313	43312	3313	1.305	-5.1315	-0.528	-0.8955	-16.9875	-162.95	1
43313_3313	43313	3313	4.6965	-51.357	-0.4335	1.17	-3.402	-1970.09	1
43313_3314	43313	3314	0.813	-4.998	0.528	-0.327	-10.3875	-98.4315	1
43314_3314	43314	3314	4.323	-72.126	-0.4665	-4.0485	-7.9005	-1482.2	1
43314_3315	43314	3315	-0.8985	-4.161	0.2445	-0.5835	-9.4995	-38.4075	1
43315_3315	43315	3315	3.231	-88.839	1.3425	2.8215	-10.9905	-701.765	1
43315_3316	43315	3316	-5.7555	31.9155	-1.491	-1.2495	0	-41.6235	1

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95

For : Cleveland Innerbelt		Sheet No. :	
Made by : DJG	Date : 5/9/2012	Job No. :	49633
Checked by : SJL	Date : 5/10/2012		
Backchecked by : DJG	Date : 5/10/2012		



\\kcow00\Jobs\49633\Bridges\Design\Final Design\Unit 2\Walsh CW Check\GIRDER 3\LoadCombinations.xlsm\Load Combinations

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.25	1.50	1.75	1.75	1.00			0.50	1.00
	Min.	0.90	0.65	1.75	1.75	1.00			0.50	1.00
	Max.	1.25	1.50	1.75	1.75	1.00			0.50	
	Min.	0.90	0.65	1.75	1.75	1.00			0.50	
Strength III	Max.	1.25	1.50			1.00	1.40		0.50	1.00
	Min.	0.90	0.65			1.00	1.40		0.50	1.00
	Max.	1.25	1.50			1.00	1.40		0.50	
	Min.	0.90	0.65			1.00	1.40		0.50	
Strength IV	Max.	1.50	1.50			1.00			0.50	
	Min.	0.90	0.65			1.00			0.50	
Strength V	Max.	1.25	1.50	1.35	1.35	1.00	0.40	1.00	0.50	1.00
	Min.	0.90	0.65	1.35	1.35	1.00	0.40	1.00	0.50	1.00
	Max.	1.25	1.50	1.35	1.35	1.00	0.40	1.00	0.50	
	Min.	0.90	0.65	1.35	1.35	1.00	0.40	1.00	0.50	

$$\begin{aligned} \eta_i &= 1.05 \\ \eta_r &= 1 \\ \eta_d &= 1 \\ \eta_{total} &= 1.050 \end{aligned}$$

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95
	Max.	1.31	1.58	1.84	1.84	1.05			0.00	
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	
Strength III	Max.	1.31	1.58			1.05	1.47		0.53	1.05
	Min.	0.86	0.62			0.95	1.33		0.48	0.95
	Max.	1.31	1.58			1.05	1.47		0.53	
	Min.	0.86	0.62			0.95	1.33		0.48	
Strength IV	Max.	1.58	1.58			1.05			0.53	
	Min.	0.86	0.62			0.95			0.48	
Strength V	Max.	1.31	1.58	1.42	1.42	1.05	0.42	1.05	0.53	1.05
	Min.	0.86	0.62	1.29	1.29	0.95	0.38	0.95	0.48	0.95
	Max.	1.31	1.58	1.42	1.42	1.05	0.42	1.05	0.53	
	Min.	0.86	0.62	1.29	1.29	0.95	0.38	0.95	0.48	

Fatigue I	Max/Min	1.5								
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P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
1000	1.00	1000	1.00
1017	1.06	1017	1.06
1018	1.02	1018	1.03
1019	1.01	1019	1.02
1020	1.00	1021	1.00
1021	1.00	1036	1.01
1036	1.02	1037	1.02
1037	1.02	1039	1.03
1038	1.02	1040	1.05
1039	1.03	1041	1.07
1040	1.04	1042	1.00
1041	1.06	1051	1.15
1042	1.00	1052	1.06
1051	1.13	1053	1.03
1052	1.06	1054	1.02
1053	1.03	1055	1.01
1055	1.01	1057	1.00
1056	1.00	1072	1.01
1090	1.03	1075	1.03
1091	1.02	1077	1.00
1092	1.01	1089	1.08
1095	1.00	1091	1.02
1110	1.01	1094	1.00
1112	1.02	1110	1.01
1113	1.03	1113	1.03
1114	1.05	1115	1.11
1115	1.10	1116	1.00
1116	1.00	1129	1.07
1127	1.06	1130	1.04
1130	1.03	1131	1.03
1133	1.00	1133	1.00
1163	1.01	1184	1.02
1168	1.00	1185	1.03
1184	1.02	1186	1.04
1185	1.03	1187	1.08
1186	1.04	1189	1.00
1187	1.08	1199	1.03

P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
1189	1.00	1202	1.02
1199	1.03	1203	1.01
1202	1.02	1205	1.00
1203	1.01	1222	1.01
1205	1.00	1224	1.03
1222	1.01	1225	1.00
1224	1.04	1234	1.03
1225	1.00	1238	1.01
1234	1.03	1241	1.00
1236	1.02	1255	1.01
1237	1.01	1257	1.02
1241	1.00	1258	1.03
1253	1.01	1259	1.05
1257	1.02	1261	1.00
1258	1.03	1272	1.07
1259	1.04	1274	1.04
1261	1.00	1275	1.03
1272	1.05	1277	1.02
1276	1.03	1279	1.00
1277	1.02	1291	1.02
1279	1.02	1292	1.02
1280	1.00	1293	1.03
1291	1.01	1294	1.05
1292	1.02	1295	1.14
1294	1.03	1296	1.00
1295	1.05	1313	1.00
1296	1.08		
1298	1.00	3000	1.00
1313	1.00	3017	1.06
3000	1.00	3018	1.03
3017	1.06	3019	1.02
3018	1.02	3021	1.00
3019	1.01	3036	1.01
3020	1.00	3037	1.02
3021	1.00	3039	1.03
3036	1.02	3040	1.05
3037	1.02	3041	1.07

P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
3038	1.02	3042	1.00
3039	1.03	3051	1.15
3040	1.04	3052	1.06
3041	1.06	3053	1.03
3042	1.00	3054	1.02
3051	1.13	3055	1.01
3052	1.06	3057	1.00
3053	1.03	3072	1.01
3055	1.01	3075	1.03
3056	1.00	3077	1.00
3090	1.03	3089	1.08
3091	1.02	3091	1.02
3092	1.01	3094	1.00
3095	1.00	3110	1.01
3110	1.01	3113	1.03
3112	1.02	3115	1.11
3113	1.03	3116	1.00
3114	1.05	3129	1.07
3115	1.10	3130	1.04
3116	1.00	3131	1.03
3127	1.06	3133	1.00
3130	1.03	3184	1.02
3133	1.00	3185	1.03
3163	1.01	3186	1.04
3168	1.00	3187	1.08
3184	1.02	3189	1.00
3185	1.03	3199	1.03
3186	1.04	3202	1.02
3187	1.08	3203	1.01
3189	1.00	3205	1.00
3199	1.03	3222	1.01
3202	1.02	3224	1.03
3203	1.01	3225	1.00
3205	1.00	3234	1.03
3222	1.01	3238	1.01
3224	1.04	3241	1.00
3225	1.00	3255	1.01

P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
3235	1.03	3257	1.02
3236	1.02	3258	1.03
3237	1.01	3259	1.05
3240	1.00	3262	1.00
3255	1.01	3272	1.07
3257	1.02	3274	1.04
3258	1.03	3276	1.03
3259	1.04	3279	1.02
3262	1.00	3280	1.00
3272	1.04	3293	1.02
3276	1.03	3294	1.02
3277	1.02	3295	1.03
3280	1.00	3296	1.05
3293	1.01	3297	1.14
3294	1.02	3298	1.00
3296	1.03	3316	1.00
3297	1.05		
3298	1.08	5000	1.00
3300	1.00	5017	1.06
3316	1.00	5018	1.03
5000	1.00	5019	1.02
5017	1.06	5021	1.00
5018	1.02	5036	1.01
5019	1.01	5037	1.02
5020	1.00	5039	1.03
5021	1.00	5040	1.05
5036	1.02	5041	1.07
5037	1.02	5042	1.00
5038	1.02	5051	1.15
5039	1.03	5052	1.06
5040	1.04	5053	1.03
5041	1.06	5054	1.02
5042	1.00	5055	1.01
5051	1.13	5057	1.00
5052	1.06	5072	1.01
5053	1.03	5075	1.03
5055	1.01	5077	1.00

P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
5056	1.00	5089	1.08
5090	1.03	5091	1.02
5091	1.02	5094	1.00
5092	1.01	5110	1.01
5095	1.00	5113	1.03
5110	1.01	5115	1.11
5112	1.02	5116	1.00
5113	1.03	5129	1.07
5114	1.05	5130	1.04
5115	1.10	5131	1.03
5116	1.00	5133	1.00
5127	1.06	5184	1.02
5130	1.03	5185	1.03
5133	1.00	5186	1.04
5163	1.01	5187	1.08
5168	1.00	5189	1.00
5184	1.02	5199	1.03
5185	1.03	5202	1.02
5186	1.04	5203	1.01
5187	1.08	5205	1.00
5189	1.00	5222	1.01
5199	1.03	5224	1.04
5202	1.02	5225	1.00
5203	1.01	5233	1.04
5205	1.00	5237	1.01
5222	1.01	5240	1.00
5224	1.04	5255	1.01
5225	1.00	5256	1.02
5234	1.03	5258	1.03
5235	1.02	5259	1.05
5236	1.01	5262	1.00
5239	1.00	5271	1.07
5254	1.01	5273	1.04
5256	1.02	5275	1.03
5258	1.03	5278	1.02
5259	1.04	5279	1.00
5262	1.00	5290	1.02

P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
5271	1.05	5291	1.02
5275	1.03	5292	1.03
5276	1.02	5293	1.05
5278	1.00	5294	1.14
5290	1.01	5295	1.00
5291	1.02	5313	1.00
5293	1.03		
5294	1.05	7000	1.00
5295	1.08	7017	1.06
5297	1.00	7018	1.03
5313	1.00	7019	1.02
7000	1.00	7021	1.00
7017	1.06	7036	1.01
7018	1.02	7037	1.02
7019	1.01	7039	1.03
7020	1.00	7040	1.05
7021	1.00	7041	1.07
7036	1.02	7042	1.00
7037	1.02	7051	1.15
7038	1.02	7052	1.06
7039	1.03	7053	1.03
7040	1.04	7054	1.02
7041	1.06	7055	1.01
7042	1.00	7057	1.00
7051	1.13	7072	1.01
7052	1.06	7075	1.03
7053	1.03	7077	1.00
7055	1.01	7089	1.08
7056	1.00	7091	1.02
7090	1.03	7094	1.00
7091	1.02	7110	1.01
7092	1.01	7113	1.03
7095	1.00	7115	1.11
7110	1.01	7116	1.00
7112	1.02	7129	1.07
7113	1.03	7130	1.04
7114	1.05	7131	1.03

P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
7115	1.10	7133	1.00
7116	1.00	7184	1.02
7127	1.06	7185	1.03
7130	1.03	7186	1.04
7133	1.00	7187	1.08
7163	1.01	7189	1.00
7168	1.00	7199	1.03
7184	1.02	7202	1.02
7185	1.03	7203	1.01
7186	1.04	7205	1.00
7187	1.08	7222	1.01
7189	1.00	7224	1.03
7199	1.03	7225	1.00
7202	1.02	7233	1.03
7203	1.01	7237	1.01
7205	1.00	7240	1.00
7222	1.01	7253	1.01
7224	1.04	7255	1.02
7225	1.00	7256	1.03
7234	1.03	7257	1.05
7235	1.02	7260	1.00
7236	1.01	7269	1.07
7239	1.00	7270	1.04
7253	1.01	7272	1.03
7255	1.02	7275	1.02
7256	1.03	7276	1.00
7257	1.04	7288	1.02
7260	1.00	7289	1.02
7269	1.04	7290	1.03
7272	1.03	7291	1.05
7273	1.02	7292	1.14
7275	1.00	7293	1.00
7288	1.01	7311	1.00
7289	1.02		
7291	1.03	9000	1.00
7292	1.05	9017	1.06
7293	1.08	9018	1.03

P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
7295	1.00	9019	1.02
7311	1.00	9021	1.00
9000	1.00	9036	1.01
9017	1.06	9037	1.02
9018	1.02	9039	1.03
9019	1.01	9040	1.05
9020	1.00	9041	1.07
9021	1.00	9042	1.00
9036	1.02	9051	1.15
9037	1.02	9052	1.06
9038	1.02	9053	1.03
9039	1.03	9054	1.02
9040	1.04	9055	1.01
9041	1.06	9057	1.00
9042	1.00	9072	1.01
9051	1.13	9075	1.03
9052	1.06	9077	1.00
9053	1.03	9089	1.08
9055	1.01	9091	1.02
9056	1.00	9094	1.00
9090	1.03	9110	1.01
9091	1.02	9113	1.03
9092	1.01	9115	1.11
9095	1.00	9116	1.00
9110	1.01	9129	1.07
9112	1.02	9130	1.04
9113	1.03	9131	1.03
9114	1.05	9133	1.00
9115	1.10	9184	1.02
9116	1.00	9185	1.03
9127	1.06	9186	1.04
9130	1.03	9187	1.08
9133	1.00	9189	1.00
9163	1.01	9199	1.03
9168	1.00	9202	1.02
9184	1.02	9203	1.01
9185	1.03	9205	1.00

P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
9186	1.04	9222	1.01
9187	1.08	9224	1.03
9189	1.00	9225	1.00
9199	1.03	9232	1.03
9202	1.02	9236	1.01
9203	1.01	9240	1.00
9205	1.00	9254	1.01
9222	1.01	9256	1.02
9224	1.04	9257	1.03
9225	1.00	3259	1.05
9232	1.03	9261	1.00
9233	1.02	9269	1.07
9235	1.01	9270	1.04
9239	1.00	9272	1.03
9254	1.01	9275	1.02
9255	1.02	9276	1.00
9256	1.03	9288	1.02
9258	1.04	9289	1.02
9261	1.00	9290	1.03
9269	1.04	9291	1.05
9272	1.03	9292	1.14
9273	1.02	9293	1.00
9275	1.00	9312	1.00
9288	1.01		
9289	1.02		
9291	1.03		
9292	1.05		
9293	1.08		
9295	1.00		
9312	1.00		

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1	2	3	4	5	6	7	8	9
1000_1000	1000	1000	61.084	425.706	0.167	-7.634	0	-342.56
1000_1001	1000	1001	-18.947	-368.878	-0.167	7.634	-2.847	6904.883
1001_1001	1001	1001	18.942	368.872	0.163	4.746	2.847	-6904.86
1001_1002	1001	1002	3.009	-332.603	-0.163	-4.746	-4.616	10610.65
1002_1002	1002	1002	-3.06	308.045	0.656	-7.173	4.616	-10609.8
1002_1003	1002	1003	22.617	-267.3	-0.656	7.173	-12.615	14027.68
1003_1003	1003	1003	-22.616	267.295	0.654	3.549	12.615	-14027.7
1003_1004	1003	1004	37.314	-226.546	-0.654	-3.549	-20.593	16971.39
1004_1004	1004	1004	-37.26	206.176	0.53	-9.016	20.593	-16970.1
1004_1005	1004	1005	50.513	-165.416	-0.53	9.016	-27.052	19175.77
1005_1005	1005	1005	-50.514	165.41	0.528	5.742	27.052	-19175.8
1005_1006	1005	1006	58.905	-124.646	-0.528	-5.742	-33.488	20906.85
1006_1006	1006	1006	-58.909	100.406	0.093	-9.307	33.488	-20905.6
1006_1007	1006	1007	65.457	-59.664	-0.093	9.307	-34.621	21851.95
1007_1007	1007	1007	-65.457	59.659	0.091	7.546	34.621	-21852
1007_1008	1007	1008	67.146	-18.913	-0.091	-7.546	-35.731	22324
1008_1008	1008	1008	-67.137	-5.96	0.362	-7.476	35.731	-22323.2
1008_1009	1008	1009	67.349	46.685	-0.362	7.476	-40.144	22002.27
1009_1009	1009	1009	-67.349	-46.69	0.361	7.437	40.144	-22002.3
1009_1010	1009	1010	62.7	87.452	-0.361	-7.437	-44.543	21206.52
1010_1010	1010	1010	-62.699	-112.299	0.007	-15.253	44.543	-21206.1
1010_1011	1010	1011	56.461	153.036	-0.007	15.253	-44.633	19618.62
1011_1011	1011	1011	-56.461	-153.041	0.003	16.718	44.633	-19618.6
1011_1012	1011	1012	45.374	193.753	-0.003	-16.718	-44.675	17558.33
1012_1012	1012	1012	-45.375	-219.391	-0.672	6.802	44.675	-17558.3
1012_1013	1012	1013	31.917	260.14	0.672	-6.802	-36.483	14697.74
1013_1013	1013	1013	-31.918	-260.145	-0.67	-4.358	36.483	-14697.7
1013_1014	1013	1014	13.602	300.89	0.67	4.358	-28.315	11363.09
1014_1014	1014	1014	-13.599	-326.189	0.401	3.921	28.315	-11363.1
1014_1015	1014	1015	-16.129	382.109	-0.401	-3.921	-35.018	5575.598
1015_1015	1015	1015	14.334	-380.921	0.426	-2.627	35.965	-5535.78
1015_1016	1015	1016	-35.339	406.886	-0.426	2.626	-39.477	2365.218
1016_1016	1016	1016	70.952	-427.977	3.518	-0.432	32.669	-2496.97
1016_1017	1016	1017	-100.649	465.203	-3.518	0.408	-74.01	-2621.76
1017_1017	1017	1017	113.585	-463.128	3.522	1.099	74.186	2621.383
1017_1018	1017	1018	-142.056	507.983	-3.522	-1.139	-120.948	-8913.6
1018_1018	1018	1018	157.737	-523.548	-2.747	-10.212	120.212	8913.845
1018_1019	1018	1019	-177.157	567.848	2.747	10.278	-85.749	-15611.7
1019_1019	1019	1019	192.519	-564.808	-2.742	12.222	88.356	15612.44
1019_1020	1019	1020	-206.271	611.733	2.742	-12.149	-53.824	-22865.5
1020_1020	1020	1020	-2136.8	174.482	-4.908	-3.276	160.034	3992.955
1020_1021	1020	1021	2156.538	-143.779	4.908	3.276	-113.397	-2560.13
1021_1021	1021	1021	-2151.54	143.685	-2.235	-0.439	111.445	2535.748
1021_1022	1021	1022	2165.974	-120.764	2.235	0.439	-94.122	-1569.01
1022_1022	1022	1022	-2165.98	120.752	0.53	1.443	94.122	1569.008
1022_1023	1022	1023	2178.192	-97.834	-0.53	-1.443	-98.232	-771.2
1023_1023	1023	1023	-2178.17	79.049	-10.622	-0.487	98.232	771.186
1023_1024	1023	1024	2188.377	-55.39	10.622	0.487	-13.262	-274.519
1024_1024	1024	1024	-2188.38	55.378	-10.622	-0.487	13.262	274.519
1024_1025	1024	1025	2196.23	-31.718	10.622	0.487	71.708	42.275
1025_1025	1025	1025	-2196.24	28.327	-7.942	-0.422	-71.708	-42.275
1025_1026	1025	1026	2199.335	-4.67	7.942	0.422	135.231	161.813

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1026_1026	1026	1026	-2199.34	-12.373	-5.022	-0.498	-135.231	-161.806
1026_1027	1026	1027	2200.484	30.108	5.022	0.498	165.347	29.836
1027_1027	1027	1027	-2200.49	-30.117	-1.057	-0.329	-165.347	-29.835
1027_1028	1027	1028	2200.308	47.878	1.057	0.329	171.694	-203.622
1028_1028	1028	1028	-2200.31	-47.887	-1.446	-0.388	-171.694	203.622
1028_1029	1028	1029	2198.8	65.619	1.446	0.388	180.366	-537.806
1029_1029	1029	1029	-2198.8	-65.628	-1.057	-0.27	-180.366	537.806
1029_1030	1029	1030	2195.962	83.389	1.057	0.27	186.713	-973.826
1030_1030	1030	1030	-2195.95	-100.091	7.812	-0.319	-186.713	973.822
1030_1031	1030	1031	2190.59	123.738	-7.812	0.319	124.253	-1847.06
1031_1031	1031	1031	-2190.59	-123.75	8.099	-0.066	-124.253	1847.063
1031_1032	1031	1032	2182.864	147.426	-8.099	0.066	59.422	-2901.4
1032_1032	1032	1032	-2182.87	-147.438	7.812	-0.452	-59.422	2901.403
1032_1033	1032	1033	2172.792	171.085	-7.812	0.452	-3.039	-4134.22
1033_1033	1033	1033	-2172.84	-188.046	-5.68	-25.114	3.039	4134.363
1033_1034	1033	1034	2160.935	210.974	5.68	25.114	40.998	-5633.19
1034_1034	1034	1034	-2160.94	-210.986	-2.913	-18.059	-40.998	5633.217
1034_1035	1034	1035	2146.818	233.911	2.913	18.059	63.576	-7300.73
1035_1035	1035	1035	-2152.48	-234.007	17.887	49.971	-62.827	7328.618
1035_1036	1035	1036	2133.158	264.709	-17.887	-49.971	-107.131	-9620.3
1036_1036	1036	1036	171.928	502.318	2.088	-10.506	-9.731	30048.65
1036_1037	1036	1037	-162.468	-455.382	-2.088	10.547	-16.556	-24148.7
1037_1037	1037	1037	150.083	457.429	2.12	7.48	14.604	24147.96
1037_1038	1037	1038	-136.231	-413.085	-2.12	-7.443	-41.213	-18808.4
1038_1038	1038	1038	123.935	401.423	-3.067	-3.259	41.999	18809
1038_1039	1038	1039	-102.794	-356.578	3.067	3.229	-1.313	-13908.1
1039_1039	1039	1039	599.161	351.545	-1.282	1.386	17.244	11190.73
1039_1040	1039	1040	-590.783	-314.003	1.282	-1.353	-2.171	-7428.24
1040_1040	1040	1040	584.207	299.669	0.333	-0.085	2.255	7429.44
1040_1041	1040	1041	-552.452	-273.761	-0.333	0.073	-5.002	-5229.42
1041_1041	1041	1041	637.119	275.606	0.065	-0.554	9.097	4801.733
1041_1042	1041	1042	-539.262	-228.992	-0.065	0.554	-10.159	-1117.36
1042_1042	1042	1042	539.261	207.661	-0.056	2.003	10.159	1117.398
1042_1043	1042	1043	-471.831	-173.416	0.056	-2.003	-9.492	867.199
1043_1043	1043	1043	471.831	173.422	-0.007	-2.525	9.492	-867.199
1043_1044	1043	1044	-410.151	-139.179	0.007	2.525	-9.408	2464.418
1044_1044	1044	1044	410.163	114.454	0.168	2.744	9.408	-2464.47
1044_1045	1044	1045	-354.549	-80.216	-0.168	-2.744	-11.415	3378.91
1045_1045	1045	1045	354.549	80.222	0.216	-2.907	11.415	-3378.91
1045_1046	1045	1046	-304.68	-45.986	-0.216	2.907	-14.004	3906.205
1046_1046	1046	1046	304.688	23.211	-0.165	2.502	14.004	-3906.31
1046_1047	1046	1047	-257.139	11.049	0.165	-2.502	-12.021	3759.657
1047_1047	1047	1047	257.139	-11.044	-0.121	-2.19	12.021	-3759.66
1047_1048	1047	1048	-215.375	45.273	0.121	2.19	-10.577	3226.041
1048_1048	1048	1048	215.38	-67.405	0.007	3.106	10.577	-3226.1
1048_1049	1048	1049	-176.471	101.661	-0.007	-3.106	-10.665	2027.902
1049_1049	1049	1049	176.472	-101.655	0.101	-2.36	10.665	-2027.9
1049_1050	1049	1050	-143.341	135.877	-0.101	2.36	-11.875	443.893
1050_1050	1050	1050	143.332	-156.434	-0.179	-0.365	11.875	-443.872
1050_1051	1050	1051	-103.862	203.006	0.179	0.365	-8.962	-2682.52
1051_1051	1051	1051	104.226	-201.911	-0.114	2.883	8.67	2692.839
1051_1052	1051	1052	-89.103	226.134	0.114	-2.887	-7.731	-4538.71
1052_1052	1052	1052	94.697	-243.358	1.114	-2.682	7.613	4539.644

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1052_1053	1052	1053	-78.028	278.312	-1.114	2.705	-20.71	-7714.31
1053_1053	1053	1053	79.671	-276.913	2.529	6.934	22.725	7748.339
1053_1054	1053	1054	-78.028	321.273	-2.529	-6.951	-56.298	-11762.1
1054_1054	1054	1054	88.495	-334.413	-1.627	-4.898	55.552	11764.51
1054_1055	1054	1055	-93.803	378.003	1.627	4.945	-35.136	-16242.3
1055_1055	1055	1055	104.21	-375.29	-1.577	8.795	36.716	16245.45
1055_1056	1055	1056	-114.29	421.203	1.577	-8.744	-16.848	-21235.3
1056_1056	1056	1056	-1765.9	244.268	-2.578	-2.205	63.762	6415.015
1056_1057	1056	1057	1793.213	-213.897	2.578	2.205	-39.271	-4353.1
1057_1057	1057	1057	-1794.32	213.89	-1.178	1.173	39.769	4324.245
1057_1058	1057	1058	1814.379	-189.589	1.178	-1.173	-30.641	-2845.63
1058_1058	1058	1058	-1814.38	189.59	-1.178	1.173	30.641	2845.629
1058_1059	1058	1059	1832.348	-165.288	1.178	-1.173	-21.514	-1546.88
1059_1059	1059	1059	-1832.42	147.546	-9.42	-1.048	21.514	1546.908
1059_1060	1059	1060	1848.705	-122.429	9.42	1.048	53.909	-535.254
1060_1060	1060	1060	-1848.72	119.042	-7.109	0.501	-53.909	535.252
1060_1061	1060	1061	1860.477	-93.958	7.109	-0.501	110.753	265.307
1061_1061	1061	1061	-1860.49	93.959	-4.489	1.344	-110.753	-265.31
1061_1062	1061	1062	1870.026	-68.845	4.489	-1.344	146.687	874.835
1062_1062	1062	1062	-1870	52.496	-2.799	0.539	-146.687	-874.839
1062_1063	1062	1063	1876.033	-33.668	2.799	-0.539	163.484	1106.318
1063_1063	1063	1063	-1876.04	33.669	0.293	0.478	-163.484	-1106.32
1063_1064	1063	1064	1880.807	-14.874	-0.293	-0.478	161.731	1229.714
1064_1064	1064	1064	-1880.81	14.875	0.491	0.467	-161.731	-1229.71
1064_1065	1064	1065	1884.332	3.951	-0.491	-0.467	158.785	1245.462
1065_1065	1065	1065	-1884.33	-3.951	3.781	0.351	-158.785	-1245.46
1065_1066	1065	1066	1886.595	22.775	-3.781	-0.351	136.098	1153.284
1066_1066	1066	1066	-1886.57	-39.421	5.433	0.277	-136.098	-1153.3
1066_1067	1066	1067	1888.029	64.531	-5.433	-0.277	92.61	727.586
1067_1067	1067	1067	-1888.02	-64.53	7.9	0.946	-92.61	-727.588
1067_1068	1067	1068	1887.248	89.638	-7.9	-0.946	29.381	109.898
1068_1068	1068	1068	-1887.25	-89.638	7.758	0.861	-29.381	-109.898
1068_1069	1068	1069	1884.246	114.714	-7.758	-0.861	-32.632	-698.661
1069_1069	1069	1069	-1884.32	-131.891	3.632	-0.191	32.632	698.698
1069_1070	1069	1070	1879.258	156.211	-3.632	0.191	-60.79	-1798.83
1070_1070	1070	1070	-1879.26	-156.21	3.632	-0.191	60.79	1798.826
1070_1071	1070	1071	1872.101	180.53	-3.632	0.191	-88.947	-3079.09
1071_1071	1071	1071	-1869.92	-180.54	5.096	3.018	91.072	3104.159
1071_1072	1071	1072	1858.312	210.893	-5.096	-3.018	-139.454	-4920.11
1072_1072	1072	1072	73.881	470.058	0.814	-6.098	31.518	19388.29
1072_1073	1072	1073	-35.127	-424.499	-0.814	6.155	-41.78	-13933.2
1073_1073	1073	1073	23.556	427.217	0.856	5.287	40.441	13931.22
1073_1074	1073	1074	20.749	-384.062	-0.856	-5.235	-51.183	-9004.93
1074_1074	1074	1074	-32.392	371.105	-2.55	0.088	51.543	9003.958
1074_1075	1074	1075	79.907	-327.174	2.55	-0.119	-17.697	-4514.82
1075_1075	1075	1075	394.586	322.849	-0.836	-0.4	21.44	1915.369
1075_1076	1075	1076	-378.012	-288.474	0.836	0.419	-11.612	1553.727
1076_1076	1076	1076	371.849	270.158	-0.033	4.387	11.547	-1553.25
1076_1077	1076	1077	-348.318	-246.354	0.033	-4.394	-11.272	3572.036
1077_1077	1077	1077	318.527	248.417	0.14	-4.34	11.53	-3531.96
1077_1078	1077	1078	-272.036	-203.472	-0.14	4.34	-13.602	6670.858
1078_1078	1078	1078	272.029	183.593	0.142	4.721	13.602	-6670.99
1078_1079	1078	1079	-239.925	-149.484	-0.142	-4.721	-15.201	8398.285

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1079_1079	1079	1079	239.924	149.494	0.19	-5.158	15.201	-8398.29
1079_1080	1079	1080	-212.316	-115.356	-0.19	5.158	-17.34	9762.222
1080_1080	1080	1080	212.321	94.537	-0.137	5.235	17.34	-9762.5
1080_1081	1080	1081	-186.378	-60.402	0.137	-5.235	-15.795	10514.38
1081_1081	1081	1081	186.378	60.412	-0.091	-5.581	15.795	-10514.4
1081_1082	1081	1082	-164.961	-26.278	0.091	5.581	-14.766	10901.33
1082_1082	1082	1082	164.964	3.792	-0.095	9.824	14.766	-10901.6
1082_1083	1082	1083	-143.895	32.889	0.095	-9.824	-13.618	10625.12
1083_1083	1083	1083	143.895	-32.878	-0.01	-9.637	13.618	-10625.1
1083_1084	1083	1084	-128.052	69.556	0.01	9.637	-13.501	9927.297
1084_1084	1084	1084	128.057	-91.673	-0.125	8.666	13.501	-9927.54
1084_1085	1084	1085	-115.122	125.802	0.125	-8.666	-12.092	8638.255
1085_1085	1085	1085	115.122	-125.791	-0.034	-7.946	12.092	-8638.25
1085_1086	1085	1086	-106.71	159.918	0.034	7.946	-11.715	6984.303
1086_1086	1086	1086	106.706	-180.342	-0.377	5.149	11.715	-6984.42
1086_1087	1086	1087	-100.314	214.469	0.377	-5.149	-7.467	4724.95
1087_1087	1087	1087	100.313	-214.459	-0.286	-3.901	7.467	-4724.95
1087_1088	1087	1088	-98.444	248.583	0.286	3.901	-4.252	2100.925
1088_1088	1088	1088	98.442	-266.833	-0.017	0.652	4.252	-2100.98
1088_1089	1088	1089	-99.536	310.054	0.017	-0.652	-4.007	-2019.44
1089_1089	1089	1089	103.76	-308.878	-0.008	0.075	4.289	2045.222
1089_1090	1089	1090	-107.173	333.86	0.008	-0.079	-4.223	-4693.31
1090_1090	1090	1090	114.969	-352.633	0.776	-2.193	4.156	4694.009
1090_1091	1090	1091	-123.849	388.533	-0.776	2.21	-13.278	-9027.49
1091_1091	1091	1091	128.338	-385.935	1.933	3.016	13.983	9062.727
1091_1092	1091	1092	-141.941	429.906	-1.933	-3.052	-39.64	-14420.6
1092_1092	1092	1092	155.13	-440.627	-1.325	-14.163	38.273	14422.65
1092_1093	1092	1093	-166.379	483.947	1.325	14.206	-21.63	-20165.4
1093_1093	1093	1093	179.642	-480.17	-1.241	17.244	24.981	20168.22
1093_1094	1093	1094	-189.996	525.794	1.241	-17.198	-9.364	-26422.4
1094_1094	1094	1094	-2067.16	214.123	0.531	-4.646	-51.405	7058.028
1094_1095	1094	1095	2088.535	-183.964	-0.531	4.646	46.356	-5253.59
1095_1095	1095	1095	-2090.63	184.033	1.104	-3.166	-46.245	5263.822
1095_1096	1095	1096	2105.181	-160.014	-1.104	3.166	37.687	-3989.7
1096_1096	1096	1096	-2105.18	160.019	6.766	7.618	-37.687	3989.687
1096_1097	1096	1097	2117.707	-136.033	-6.766	-7.618	-14.697	-2895.11
1097_1097	1097	1097	-2117.78	119.361	-4.527	-2.395	14.697	2895.196
1097_1098	1097	1098	2128.646	-94.569	4.527	2.395	21.53	-2084.1
1098_1098	1098	1098	-2128.65	94.574	-1.75	0.773	-21.53	2084.097
1098_1099	1098	1099	2137.38	-69.782	1.75	-0.773	35.533	-1462.86
1099_1099	1099	1099	-2137.38	69.788	-1.75	0.773	-35.533	1462.857
1099_1100	1099	1100	2143.976	-44.996	1.75	-0.773	49.536	-1031.45
1100_1100	1100	1100	-2143.87	29.687	11.905	8.655	-49.536	1031.405
1100_1101	1100	1101	2147.754	-11.094	-11.905	-8.655	-21.913	-925.691
1101_1101	1101	1101	-2147.75	11.098	11.825	8.598	21.913	925.691
1101_1102	1101	1102	2150.432	7.464	-11.825	-8.598	-92.762	-926.657
1102_1102	1102	1102	-2150.42	-7.46	-14.008	-10.155	92.762	926.653
1102_1103	1102	1103	2151.903	26.059	14.008	10.155	-8.667	-1034.35
1103_1103	1103	1103	-2151.92	-26.055	-10.307	-7.242	8.667	1034.366
1103_1104	1103	1104	2152.205	44.653	10.307	7.242	53.208	-1248.89
1104_1104	1104	1104	-2152.19	-59.942	0.252	-1.975	-53.208	1248.892
1104_1105	1104	1105	2151.132	84.708	-0.252	1.975	51.19	-1824.38
1105_1105	1105	1105	-2151.13	-84.703	3.115	1.345	-51.19	1824.382

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1105_1106	1105	1106	2147.932	109.499	-3.115	-1.345	26.257	-2590.35
1106_1106	1106	1106	-2147.93	-109.493	3.115	1.345	-26.257	2590.35
1106_1107	1106	1107	2142.599	134.289	-3.115	-1.345	1.324	-3546.21
1107_1107	1107	1107	-2142.62	-150.536	-2.891	-2.473	-1.324	3546.249
1107_1108	1107	1108	2135.441	174.525	2.891	2.473	23.708	-4777.59
1108_1108	1108	1108	-2135.44	-174.52	-2.809	-2.271	-23.708	4777.585
1108_1109	1108	1109	2126.247	198.54	2.809	2.271	45.49	-6188.59
1109_1109	1109	1109	-2126.05	-198.487	-0.594	4.767	-46.357	6187.657
1109_1110	1109	1110	2111.563	228.647	0.594	-4.767	52.003	-8161.39
1110_1110	1110	1110	159.098	512.815	1.306	-19.454	7.732	27668.89
1110_1111	1110	1111	-136.163	-467.34	-1.306	19.513	-24.164	-21641.6
1111_1111	1111	1111	123.092	467.33	1.408	16.786	20.313	21639.55
1111_1112	1111	1112	-97.293	-424.194	-1.408	-16.732	-37.999	-16164.1
1112_1112	1112	1112	84.748	415.264	-1.893	-3.527	39.623	16163.2
1112_1113	1112	1113	-53.395	-371.436	1.893	3.493	-14.483	-11060
1113_1113	1113	1113	476.203	368.864	-1.161	2.726	20.775	8733.273
1113_1114	1113	1114	-464.344	-332.929	1.161	-2.725	-7.136	-4735.25
1114_1114	1114	1114	457.219	319.535	0.224	3.458	7.164	4735.976
1114_1115	1114	1115	-430.435	-294.638	-0.224	-3.462	-9.015	-2331.77
1115_1115	1115	1115	486.012	296.415	0.318	-1.592	9.221	1905.26
1115_1116	1115	1116	-416.806	-253.983	-0.318	1.592	-13.923	1845.904
1116_1116	1116	1116	416.81	234.631	-0.306	3.201	13.923	-1845.93
1116_1117	1116	1117	-367.442	-202.313	0.306	-3.201	-10.481	4079.04
1117_1117	1117	1117	367.442	202.327	-0.255	-3.598	10.481	-4079.04
1117_1118	1117	1118	-322.966	-170.009	0.255	3.598	-7.607	5969.51
1118_1118	1118	1118	322.966	150.281	-0.046	8.693	7.607	-5969.51
1118_1119	1118	1119	-279.982	-117.935	0.046	-8.693	-7.091	7281.624
1119_1119	1119	1119	279.982	117.949	0.054	-8.903	7.091	-7281.63
1119_1120	1119	1120	-241.93	-85.633	-0.054	8.903	-7.703	8249.805
1120_1120	1120	1120	241.929	63.886	-0.212	4.39	7.703	-8249.81
1120_1121	1120	1121	-202.634	-29.128	0.212	-4.39	-5.139	8628.905
1121_1121	1121	1121	202.634	29.144	-0.166	-4.169	5.139	-8628.91
1121_1122	1121	1122	-169.023	5.585	0.166	4.169	-3.137	8611.898
1122_1122	1122	1122	169.024	-27.149	-0.12	4.279	3.137	-8611.9
1122_1123	1122	1123	-139.146	59.493	0.12	-4.279	-1.781	7981.493
1123_1123	1123	1123	139.146	-59.478	-0.07	-3.705	1.781	-7981.49
1123_1124	1123	1124	-114.187	91.793	0.07	3.705	-0.988	7008.965
1124_1124	1124	1124	114.187	-114.735	-0.302	5.628	0.988	-7008.97
1124_1125	1124	1125	-94.351	147.079	0.302	-5.628	2.411	5435.071
1125_1125	1125	1125	94.351	-147.064	-0.201	-4.799	-2.411	-5435.07
1125_1126	1125	1126	-79.425	179.378	0.201	4.799	4.677	3519.928
1126_1126	1126	1126	79.421	-196.372	-0.581	0.312	-4.677	-3519.91
1126_1127	1126	1127	-63.931	236.442	0.581	-0.312	12.781	415.904
1127_1127	1127	1127	67.255	-235.32	-0.494	0.337	-12.515	-400.058
1127_1128	1127	1128	-61.575	258.519	0.494	-0.342	16.594	-1675.7
1128_1128	1128	1128	67.652	-271.961	1.957	-3.923	-16.739	1676.581
1128_1129	1128	1129	-64.671	305.358	-1.957	3.953	-6.274	-5116.04
1129_1129	1129	1129	74.538	-302.473	3.992	8.53	6.059	5110.706
1129_1130	1129	1130	-85.188	345.287	-3.992	-8.564	-59.053	-9403.4
1130_1130	1130	1130	97.368	-373.296	-8.31	-6.272	58.095	9405.848
1130_1131	1130	1131	-121.274	415.466	8.31	6.335	46.199	-14265.9
1131_1131	1131	1131	132.555	-411.655	-8.26	7.227	-44.908	14269.37
1131_1132	1131	1132	-154.044	456.2	8.26	-7.157	148.959	-19632.4

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1132_1132	1132	1132	-1719.23	203.947	33.802	16.373	-410.354	4849.43
1132_1133	1132	1133	1742.426	-174.562	-33.802	-16.373	89.232	-3146.11
1133_1133	1133	1133	-1746.58	174.473	31.383	11.942	-89.603	3166.182
1133_1134	1133	1134	1764.142	-152.227	-31.383	-11.942	-153.613	-1972.25
1134_1134	1134	1134	-1764.35	152.235	1.52	-25.935	153.613	1972.153
1134_1135	1134	1135	1779.624	-129.985	-1.52	25.935	-165.395	-941.309
1135_1135	1135	1135	-1779.68	109.629	-3.755	0.376	165.395	941.811
1135_1136	1135	1136	1792.422	-86.66	3.755	-0.376	-135.352	-209.397
1136_1136	1136	1136	-1792.42	86.669	-6.165	-0.771	135.352	209.397
1136_1137	1136	1137	1802.718	-63.699	6.165	0.771	-86.024	349.035
1137_1137	1137	1137	-1802.73	63.708	-3.755	-0.203	86.024	-349.035
1137_1138	1137	1138	1810.586	-40.739	3.755	0.203	-55.982	733.456
1138_1138	1138	1138	-1810.66	24.951	-3.577	-0.03	55.982	-733.455
1138_1139	1138	1139	1815.429	-7.752	3.577	0.03	-34.549	810.831
1139_1139	1139	1139	-1815.43	7.759	-0.294	0.187	34.549	-810.832
1139_1140	1139	1140	1818.836	9.468	0.294	-0.187	-32.786	790.542
1140_1140	1140	1140	-1818.84	-9.461	-0.294	0.187	32.786	-790.542
1140_1141	1140	1141	1820.867	26.688	0.294	-0.187	-31.023	672.381
1141_1141	1141	1141	-1820.87	-26.681	-3.507	-0.392	31.023	-672.381
1141_1142	1141	1142	1821.523	43.908	3.507	0.392	-9.973	456.339
1142_1142	1142	1142	-1821.53	-63.265	0.228	0.911	9.973	-456.33
1142_1143	1142	1143	1818.475	86.234	-0.228	-0.911	-11.8	-131.723
1143_1143	1143	1143	-1818.48	-86.225	0.228	0.911	11.8	131.723
1143_1144	1143	1144	1812.979	109.194	-0.228	-0.911	-13.628	-893.77
1144_1144	1144	1144	-1812.98	-109.185	-2.182	-1.532	13.628	893.77
1144_1145	1144	1145	1805.04	132.154	2.182	1.532	3.832	-1829.84
1145_1145	1145	1145	-1805	-148.266	-5.159	-0.755	-3.832	1829.816
1145_1146	1145	1146	1795.066	170.489	5.159	0.755	43.773	-3026.15
1146_1146	1146	1146	-1795.07	-170.48	-5.108	-0.647	-43.773	3026.145
1146_1147	1146	1147	1782.828	192.732	5.108	0.647	83.367	-4387.21
1147_1147	1147	1147	-1773.54	-192.802	-3.842	2.846	-82.98	4341.883
1147_1148	1147	1148	1755.932	222.191	3.842	-2.846	119.484	-6245.57
1148_1148	1148	1148	102.689	424.456	0.09	-8.14	-4.839	21146.17
1148_1149	1148	1149	-75.229	-380.099	-0.09	8.171	3.706	-16209.2
1149_1149	1149	1149	64.829	383.001	0.158	6.244	-5.227	16206.65
1149_1150	1149	1150	-33.439	-341.04	-0.158	-6.216	3.239	-11784.2
1150_1150	1150	1150	23.029	329.677	-0.014	-1.088	-2.606	11782.66
1150_1151	1150	1151	11.347	-287.012	0.014	1.07	2.792	-7796.69
1151_1151	1151	1151	487.61	282.246	-0.136	-0.316	-1.774	5072.317
1151_1152	1151	1152	-470.065	-248.334	0.136	0.303	3.369	-2103.48
1152_1152	1152	1152	464.757	234.423	-0.027	0.334	-3.376	2103.929
1152_1153	1152	1153	-433.703	-210.973	0.027	-0.334	3.599	-413.805
1153_1153	1153	1153	460.738	212.909	-0.007	-0.501	-3.622	270.861
1153_1154	1153	1154	-392.569	-174.88	0.007	0.501	3.72	2105.584
1154_1154	1154	1154	392.57	156.567	0.162	2.82	-3.72	-2105.6
1154_1155	1154	1155	-342.118	-126.122	-0.162	-2.82	1.934	3446.468
1155_1155	1155	1155	342.118	126.143	0.234	-3.067	-1.934	-3446.47
1155_1156	1155	1156	-296.78	-95.698	-0.234	3.067	-0.644	4472.89
1156_1156	1156	1156	296.783	77.715	0.011	3.522	0.644	-4472.91
1156_1157	1156	1157	-257.614	-49.982	-0.011	-3.522	-0.756	4944.47
1157_1157	1157	1157	257.614	50.001	0.089	-3.488	0.756	-4944.47
1157_1158	1157	1158	-222.721	-22.296	-0.089	3.488	-1.642	5155.045
1158_1158	1158	1158	222.72	4.956	0.09	3.284	1.642	-5155.06

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1158_1159	1158	1159	-189.597	22.776	-0.09	-3.284	-2.543	4921.312
1159_1159	1159	1159	189.597	-22.758	0.167	-3.016	2.543	-4921.31
1159_1160	1159	1160	-160.743	50.462	-0.167	3.016	-4.219	4427.296
1160_1160	1160	1160	160.744	-68.003	-0.097	0.263	4.219	-4427.33
1160_1161	1160	1161	-131.334	98.448	0.097	-0.263	-3.146	3380.595
1161_1161	1161	1161	131.334	-101.751	-0.097	0.263	3.146	-3380.6
1161_1162	1161	1162	-110.821	132.196	0.097	-0.263	-2.074	1997.887
1162_1162	1162	1162	110.819	-148.454	0.289	0.364	2.074	-1997.87
1162_1163	1162	1163	-89.216	186.482	-0.289	-0.364	-6.049	-407.532
1163_1163	1163	1163	92.635	-185.301	0.26	0.183	5.872	401.779
1163_1164	1163	1164	-83.97	208.781	-0.26	-0.186	-8.018	-2075.57
1164_1164	1164	1164	89.022	-222.676	0.045	0.312	8.028	2076.379
1164_1165	1164	1165	-80.922	256.488	-0.045	-0.309	-8.56	-4955.22
1165_1165	1165	1165	78.521	-253.562	1.123	0.467	2.733	5008.581
1165_1166	1165	1166	-82.269	296.085	-1.123	-0.508	-17.644	-8686.07
1166_1166	1166	1166	91.97	-308.141	-0.563	-4.909	17.213	8688.467
1166_1167	1166	1167	-101.616	349.941	0.563	4.956	-10.151	-12820.1
1167_1167	1167	1167	111.254	-346.13	-0.495	6.164	11.348	12823.64
1167_1168	1167	1168	-124.66	390.255	0.495	-6.112	-5.112	-17441.2
1168_1168	1168	1168	-1496.42	218.306	0.775	-1.435	-19.901	5093.022
1168_1169	1168	1169	1522.411	-189.113	-0.775	1.435	12.533	-3262.83
1169_1169	1169	1169	-1526.83	189.052	1.565	0.083	-13.276	3284.349
1169_1170	1169	1170	1546.265	-166.728	-1.565	-0.083	1.144	-1984.65
1170_1170	1170	1170	-1546.27	166.741	1.565	0.083	-1.144	1984.651
1170_1171	1170	1171	1563.304	-144.417	-1.565	-0.083	-10.988	-848.376
1171_1171	1171	1171	-1563.32	127.08	0.307	0.349	10.988	848.372
1171_1172	1171	1172	1578.186	-104.036	-0.307	-0.349	-13.447	15.177
1172_1172	1172	1172	-1578.19	104.05	-1.93	-0.446	13.447	-15.176
1172_1173	1172	1173	1590.487	-81.034	1.93	0.446	1.978	703.855
1173_1173	1173	1173	-1590.49	81.047	0.307	-0.405	-1.978	-703.855
1173_1174	1173	1174	1600.252	-58.003	-0.307	0.405	-0.482	1219.35
1174_1174	1174	1174	-1600.26	41.152	0.886	-0.186	0.482	-1219.37
1174_1175	1174	1175	1606.392	-23.869	-0.886	0.186	-5.799	1388.571
1175_1175	1175	1175	-1606.39	23.879	-2.035	0.67	5.799	-1388.57
1175_1176	1175	1176	1611.089	-6.595	2.035	-0.67	6.414	1459.826
1176_1176	1176	1176	-1611.09	6.606	0.886	-0.225	-6.414	-1459.83
1176_1177	1176	1177	1614.353	10.678	-0.886	0.225	1.097	1433.129
1177_1177	1177	1177	-1614.35	-10.667	0.886	-0.225	-1.097	-1433.13
1177_1178	1177	1178	1616.179	27.95	-0.886	0.225	-4.221	1308.481
1178_1178	1178	1178	-1616.19	-44.759	-0.994	0.012	4.221	-1308.48
1178_1179	1178	1179	1617.033	67.775	0.994	-0.012	3.726	853.44
1179_1179	1179	1179	-1617.03	-67.762	1.243	0.234	-3.726	-853.44
1179_1180	1179	1180	1615.325	90.806	-1.243	-0.234	-6.221	223.813
1180_1180	1180	1180	-1615.33	-90.792	1.243	0.234	6.221	-223.813
1180_1181	1180	1181	1611.065	113.836	-1.243	-0.234	-16.168	-579.947
1181_1181	1181	1181	-1611.08	-130.97	-2.324	0.806	16.168	579.981
1181_1182	1181	1182	1604.418	153.294	2.324	-0.806	1.847	-1657.23
1182_1182	1182	1182	-1604.42	-156.623	-2.324	0.806	-1.847	1657.228
1182_1183	1182	1183	1592.848	178.947	2.324	-0.806	19.862	-2913.81
1183_1183	1183	1183	-1582.9	-178.979	-2.975	-0.702	-19.008	2865.256
1183_1184	1183	1184	1565.655	208.169	2.975	0.702	47.274	-4638.21
1184_1184	1184	1184	87.265	396.637	0.37	5.275	-9.969	16817.09
1184_1185	1184	1185	-53.55	-352.786	-0.37	-5.229	5.306	-12218.1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1185_1185	1185	1185	43.79	356.562	0.298	-6.083	-4.128	12215.25
1185_1186	1185	1186	-6.991	-315.018	-0.298	6.124	0.381	-8105.15
1186_1186	1186	1186	-2.772	303.399	-0.483	-0.601	-0.895	8103.431
1186_1187	1186	1187	40.141	-261.153	0.483	0.573	7.312	-4446.4
1187_1187	1187	1187	411.471	258.196	-0.059	-0.664	3.651	1979.516
1187_1188	1187	1188	-396.404	-223.735	0.059	0.657	-2.955	733.977
1188_1188	1188	1188	391.574	208.492	-0.088	-2.139	2.956	-733.275
1188_1189	1188	1189	-366.053	-184.649	0.088	2.138	-2.234	2232.505
1189_1189	1189	1189	380.731	186.774	-0.133	0.734	2.3	-2239.37
1189_1190	1189	1190	-327.488	-146.562	0.133	-0.734	-0.466	4311.856
1190_1190	1190	1190	327.491	127.898	0.195	-4.241	0.466	-4311.85
1190_1191	1190	1191	-288.615	-95.729	-0.195	4.241	-2.607	5380.392
1191_1191	1191	1191	288.615	95.75	0.113	3.499	2.607	-5380.39
1191_1192	1191	1192	-254.76	-63.58	-0.113	-3.499	-3.854	6114.436
1192_1192	1192	1192	254.764	44.386	0.027	4.123	3.854	-6114.43
1192_1193	1192	1193	-226	-14.819	-0.027	-4.123	-4.129	6291.711
1193_1193	1193	1193	226	14.838	0.115	-4.406	4.129	-6291.71
1193_1194	1193	1194	-201.477	14.728	-0.115	4.406	-5.296	6186.424
1194_1194	1194	1194	201.49	-33.265	-0.157	0.082	5.296	-6186.51
1194_1195	1194	1195	-179.144	62.832	0.157	-0.082	-3.713	5603.049
1195_1195	1195	1195	179.144	-62.813	-0.157	0.082	3.713	-5603.05
1195_1196	1195	1196	-161.041	92.38	0.157	-0.082	-2.129	4737.009
1196_1196	1196	1196	161.017	-111.809	0.053	-1.683	2.129	-4736.94
1196_1197	1196	1197	-144.082	143.979	-0.053	1.683	-2.714	3251.792
1197_1197	1197	1197	144.082	-143.957	-0.03	2.246	2.714	-3251.79
1197_1198	1197	1198	-132.176	176.098	0.03	-2.246	-2.387	1433.907
1198_1198	1198	1198	132.193	-197.73	0.161	0.49	2.387	-1433.95
1198_1199	1198	1199	-126.613	237.942	-0.161	-0.49	-4.604	-1600.05
1199_1199	1199	1199	128.017	-236.476	0.125	0.099	4.315	1570.98
1199_1200	1199	1200	-127.118	261.246	-0.125	-0.104	-5.345	-3640.76
1200_1200	1200	1200	133.377	-277.475	1.003	0.529	5.363	3641.798
1200_1201	1200	1201	-133.966	313.137	-1.003	-0.499	-17.152	-7134.89
1201_1201	1201	1201	139.314	-309.275	3.075	0.897	14.234	7158.313
1201_1202	1201	1202	-149.393	355.196	-3.075	-0.957	-55.031	-11544.8
1202_1202	1202	1202	161.157	-370.354	-2.244	1.762	55.247	11548.05
1202_1203	1202	1203	-171.933	415.465	2.244	-1.702	-27.07	-16448.3
1203_1203	1203	1203	183.338	-410.779	-2.244	0.949	27.105	16452.65
1203_1204	1203	1204	-194.897	458.195	2.244	-0.883	1.154	-21877.8
1204_1204	1204	1204	-1819.39	231.988	5.951	1.582	-66.587	6241.697
1204_1205	1204	1205	1844.015	-200.383	-5.951	-1.582	10.039	-4290.58
1205_1205	1205	1205	-1843.69	200.343	4.566	-2.07	-9.634	4062.919
1205_1206	1205	1206	1861.903	-176.08	-4.566	2.07	-25.711	-2680.17
1206_1206	1206	1206	-1861.9	176.094	4.621	-1.989	25.711	2680.169
1206_1207	1206	1207	1877.847	-151.8	-4.621	1.989	-61.533	-1474.63
1207_1207	1207	1207	-1877.61	131.869	-7.071	-1.254	61.533	1474.669
1207_1208	1207	1208	1891.448	-106.791	7.071	1.254	-4.949	-576.778
1208_1208	1208	1208	-1891.46	106.805	-4.471	0.254	4.949	576.777
1208_1209	1208	1209	1902.852	-81.728	4.471	-0.254	30.827	130.238
1209_1209	1209	1209	-1902.85	81.741	-4.471	0.254	-30.827	-130.238
1209_1210	1209	1210	1911.807	-56.664	4.471	-0.254	66.602	646.402
1210_1210	1210	1210	-1911.94	38.824	-3.062	0.014	-66.602	-646.425
1210_1211	1210	1211	1917.415	-20.016	3.062	-0.014	84.979	799.716
1211_1211	1211	1211	-1917.42	20.026	0.405	0.189	-84.979	-799.718

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1211_1212	1211	1212	1921.524	-1.218	-0.405	-0.189	82.546	845.649
1212_1212	1212	1212	-1921.52	1.228	0.336	0.185	-82.546	-845.649
1212_1213	1212	1213	1924.255	17.548	-0.336	-0.185	80.534	784.418
1213_1213	1213	1213	-1924.25	-17.538	-3.062	-0.184	-80.534	-784.416
1213_1214	1213	1214	1925.617	36.347	3.062	0.184	98.91	615.812
1214_1214	1214	1214	-1925.76	-54.429	5.663	0.46	-98.91	-615.823
1214_1215	1214	1215	1925.843	79.507	-5.663	-0.46	53.594	77.651
1215_1215	1215	1215	-1925.85	-79.493	3.063	-0.809	-53.594	-77.651
1215_1216	1215	1216	1923.496	104.571	-3.063	0.809	29.087	-651.393
1216_1216	1216	1216	-1923.49	-104.557	5.663	1.405	-29.087	651.392
1216_1217	1216	1217	1918.696	129.635	-5.663	-1.405	-16.229	-1571.27
1217_1217	1217	1217	-1918.58	-148.564	-2.445	-0.166	16.229	1571.271
1217_1218	1217	1218	1911.577	172.858	2.445	0.166	2.726	-2791.16
1218_1218	1218	1218	-1911.58	-172.845	-2.501	-0.271	-2.726	2791.16
1218_1219	1218	1219	1902.3	197.107	2.501	0.271	22.086	-4188.24
1219_1219	1219	1219	-1897.11	-197.118	-1.09	3.201	-21.838	4395.707
1219_1220	1219	1220	1882.669	228.719	1.09	-3.201	32.198	-6361.86
1220_1220	1220	1220	182.455	468.443	2.712	-47.389	10.041	22083.33
1220_1221	1220	1221	-152.86	-421.311	-2.712	47.446	-44.193	-16615.2
1221_1221	1221	1221	141.268	426.557	3.076	42.264	34.623	16611.94
1221_1222	1221	1222	-106.602	-381.785	-3.076	-42.209	-73.237	-11669.7
1222_1222	1222	1222	95.135	373.636	-3.285	-3.231	77.09	11666.39
1222_1223	1222	1223	-55.337	-328	3.285	3.134	-33.472	-7139.61
1223_1223	1223	1223	508.964	326.127	-0.614	1.359	14.993	4600.061
1223_1224	1223	1224	-486.226	-289.872	0.614	-1.344	-7.771	-1144.94
1224_1224	1224	1224	479.836	275.136	0.147	10.049	7.699	1145.345
1224_1225	1224	1225	-444.86	-250.008	-0.147	-10.05	-8.915	853.847
1225_1225	1225	1225	416.211	252.996	0.426	-7.282	9.327	-666.227
1225_1226	1225	1226	-340.772	-201.335	-0.426	7.282	-16.32	4074.84
1226_1226	1226	1226	340.76	177.883	0.066	20.349	16.32	-4074.36
1226_1227	1226	1227	-288.134	-139.034	-0.066	-20.349	-17.13	5805.433
1227_1227	1227	1227	288.133	139.058	0.434	-19.925	17.13	-5805.44
1227_1228	1227	1228	-241.438	-100.239	-0.434	19.925	-22.486	7080.002
1228_1228	1228	1228	241.23	75.475	0.112	15.118	22.486	-7077.61
1228_1229	1228	1229	-198.993	-34.464	-0.112	-15.118	-23.865	7572.42
1229_1229	1229	1229	198.991	34.652	0.358	-14.137	23.865	-7572.42
1229_1230	1229	1230	-164.984	6.328	-0.358	14.137	-28.28	7596.187
1230_1230	1230	1230	164.878	-31.118	0.177	12.421	28.28	-7593.6
1230_1231	1230	1231	-136.763	72.102	-0.177	-12.421	-30.458	6829.232
1231_1231	1231	1231	136.768	-71.914	0.423	-11.531	30.458	-6829.24
1231_1232	1231	1232	-116.861	112.867	-0.423	11.531	-35.675	5595.374
1232_1232	1232	1232	116.86	-138.899	1.848	9.111	35.675	-5594.36
1232_1233	1232	1233	-108.668	171.744	-1.848	-9.111	-53.943	4013.526
1233_1233	1233	1233	108.634	-171.581	2.089	-3.197	53.943	-4013.31
1233_1234	1233	1234	-105.727	209.716	-2.089	3.197	-77.918	1798.741
1234_1234	1234	1234	111.686	-208.764	2.583	-9.893	82.635	-1821.51
1234_1235	1234	1235	-112.217	219.388	-2.583	9.895	-90.749	1145.93
1235_1235	1235	1235	130.973	-233.543	0.003	-1.634	98.884	-1207.11
1235_1236	1235	1236	-136.826	258.097	-0.003	1.571	-98.906	-543.975
1236_1236	1236	1236	135.992	-258.456	0.14	0.605	98.961	544.127
1236_1237	1236	1237	-147.684	292.076	-0.14	-0.68	-100.32	-3190.5
1237_1237	1237	1237	167.403	-287.725	-0.13	7.885	98.338	3126.618
1237_1238	1237	1238	-174.165	306.893	0.13	-7.962	-97.723	-4528.43

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1238_1238	1238	1238	180.037	-322.066	5.354	-11.824	96.603	4528.658
1238_1239	1238	1239	-194.92	365.884	-5.354	11.719	-154.141	-8176.93
1239_1239	1239	1239	203.476	-361.085	5.545	10.552	156.212	8180.002
1239_1240	1239	1240	-218.531	407.114	-5.545	-10.685	-217.044	-12334.3
1240_1240	1240	1240	233.54	-424.829	-28.857	-21.659	214.074	12332.55
1240_1241	1240	1241	-247.369	476.746	28.857	21.978	129.805	-17643.4
1241_1241	1241	1241	-1702.64	281.154	-7.972	16.55	280.599	4928.937
1241_1242	1241	1242	1729.91	-243.917	7.972	-16.55	-204.843	-2544.19
1242_1242	1242	1242	-1726.89	243.972	-5.875	19.879	205.455	2529.54
1242_1243	1242	1243	1735.169	-231.734	5.875	-19.879	-186.861	-1810.36
1243_1243	1243	1243	-1733.02	212.688	-31.632	-3.481	186.861	1808.69
1243_1244	1243	1244	1755.382	-177.056	31.632	3.481	104.602	-103.712
1244_1244	1244	1244	-1755.5	177.184	-25.361	-0.616	-104.602	103.838
1244_1245	1244	1245	1776.021	-136.936	25.361	0.616	368.558	1447.342
1245_1245	1245	1245	-1776.41	121.919	-14.618	1.82	-368.558	-1447.21
1245_1246	1245	1246	1791.354	-84.221	14.618	-1.82	511.057	2390.814
1246_1246	1246	1246	-1791.39	84.349	-8.41	-2.327	-511.057	-2390.8
1246_1247	1246	1247	1802.036	-46.139	8.41	2.327	594.157	2991.367
1247_1247	1247	1247	-1802.13	27.918	0.036	2.719	-594.157	-2990.66
1247_1248	1247	1248	1808.231	7.2	-0.036	-2.719	593.829	3058.832
1248_1248	1248	1248	-1808.26	-7.072	3.815	-0.73	-593.829	-3058.67
1248_1249	1248	1249	1810.535	47.816	-3.815	0.73	553.629	2758.553
1249_1249	1249	1249	-1809.38	-67.509	-10.693	2.405	-553.629	-2758.03
1249_1250	1249	1250	1806.801	107.487	10.693	-2.405	664.174	1861.834
1250_1250	1250	1250	-1806.8	-107.359	-2.982	0.524	-664.174	-1861.95
1250_1251	1250	1251	1800.257	143.276	2.982	-0.524	691.867	722.344
1251_1251	1251	1251	-1803.12	-170.076	62.464	-3.936	-691.867	-722.378
1251_1252	1251	1252	1792.736	209.259	-62.464	3.936	58.95	-1159.9
1252_1252	1252	1252	-1792.56	-212.522	68.311	3.72	-58.95	1160.035
1252_1253	1252	1253	1772.473	255.867	-68.311	-3.72	-706.727	-3707.14
1253_1253	1253	1253	-1770.24	-255.765	66.949	0.161	706.661	3696.127
1253_1254	1253	1254	1763.492	268.149	-66.949	-0.161	-918.266	-4497.82
1254_1254	1254	1254	-1758.84	-293.871	-34.493	-39.453	918.266	4495.308
1254_1255	1254	1255	1745.387	318.687	34.493	39.453	-699.791	-6382.92
1255_1255	1255	1255	218.398	435.979	-48.3	1.185	669.117	19221.29
1255_1256	1255	1256	-199.412	-400.526	48.3	-1.644	-276.778	-15913.4
1256_1256	1256	1256	192.755	404.272	-48.174	33.164	272.981	15910.62
1256_1257	1256	1257	-174.039	-373.395	48.174	-33.549	77.274	-13161.8
1257_1257	1257	1257	163.546	358.424	9.5	-20.506	-71.879	13156.48
1257_1258	1257	1258	-134.802	-315.466	-9.5	21.22	-26.822	-9762.04
1258_1258	1258	1258	126.932	320.281	9.694	13.465	24.162	9760.153
1258_1259	1258	1259	-90.56	-269.362	-9.694	-12.793	-146.749	-6148.58
1259_1259	1259	1259	519.987	256.202	1.164	5.186	17.109	3818.22
1259_1260	1259	1260	-533.317	-218.697	-1.164	-5.125	-29.394	-1295.4
1260_1260	1260	1260	528.568	225.152	1.397	-4.726	29.574	1294.349
1260_1261	1260	1261	-523.719	-192.047	-1.397	4.747	-42.776	649.393
1261_1261	1261	1261	547.92	195.651	1.555	-7.796	42.355	-917.178
1261_1262	1261	1262	-542.874	-184.738	-1.555	7.796	-47.28	1500.464
1262_1262	1262	1262	542.758	155.42	-0.45	15.205	47.28	-1499.43
1262_1263	1262	1263	-530.436	-117.122	0.45	-15.205	-42.278	2970.105
1263_1263	1263	1263	530.402	117.306	-0.073	-13.509	42.278	-2969.97
1263_1264	1263	1264	-524.837	-76.185	0.073	13.509	-41.413	4109.704
1264_1264	1264	1264	524.771	52.227	0.774	18.261	41.413	-4109.47

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1264_1265	1264	1265	-523.568	-12.338	-0.774	-18.261	-50.376	4485.414
1265_1265	1265	1265	523.572	12.523	1.162	-17.689	50.376	-4485.42
1265_1266	1265	1266	-529.754	27.036	-1.162	17.689	-63.716	4435.438
1266_1266	1266	1266	529.734	-51.725	0.012	11.857	63.716	-4435.23
1266_1267	1266	1267	-540.079	91.963	-0.012	-11.857	-63.852	3646.152
1267_1267	1267	1267	540.088	-91.779	0.277	-11.633	63.852	-3646.2
1267_1268	1267	1268	-557.461	130.952	-0.277	11.633	-67.006	2459.479
1268_1268	1268	1268	557.404	-155.153	1.48	10.235	67.006	-2459.17
1268_1269	1268	1269	-582.803	200.117	-1.48	-10.235	-86.319	254.016
1269_1269	1269	1269	582.856	-199.922	1.831	-11.358	86.319	-254.276
1269_1270	1269	1270	-612.961	239.378	-1.831	11.358	-107.291	-2128.88
1270_1270	1270	1270	613.026	-259.475	-3.725	3.25	107.291	2128.572
1270_1271	1270	1271	-639.299	291.056	3.725	-3.25	-73.148	-4537.83
1271_1271	1271	1271	639.247	-294.245	-3.45	-2.675	73.148	4538.126
1271_1272	1271	1272	-681.19	332.692	3.45	2.675	-34.656	-7855.39
1272_1272	1272	1272	617.533	-330.728	-2.834	1.742	31.219	8346.765
1272_1273	1272	1273	-629.6	346.105	2.834	-1.732	-19.396	-9704.88
1273_1273	1273	1273	634.748	-366.523	19.189	-7.563	19.21	9705.916
1273_1274	1273	1274	-642.7	396.015	-19.189	7.583	-171.83	-12675.7
1274_1274	1274	1274	649.394	-390.483	19.339	-2.938	171.967	12675.75
1274_1275	1274	1275	-641.807	420.136	-19.339	2.971	-324.329	-15844.6
1275_1275	1275	1275	562.113	-418.058	19.86	27.751	325.595	16349.68
1275_1276	1275	1276	-556.082	435.701	-19.86	-27.728	-408.639	-18127.4
1276_1276	1276	1276	266.47	-449.548	-79.584	-61.621	485.227	19751.14
1276_1277	1276	1277	-281.385	499.626	79.584	62.092	451.462	-25264.4
1277_1277	1277	1277	294.167	-493.205	-79.366	48.478	-443.659	25268.18
1277_1278	1277	1278	-307.557	549.672	79.366	-47.836	1460.262	-31859.8
1278_1278	1278	1278	319.56	-532.948	130.767	-79.05	-1478	31864.02
1278_1279	1278	1279	-328.349	577.143	-130.767	78.689	216.599	-37146.5
1279_1279	1279	1279	-2417.25	380.525	45.894	41.391	-829.062	13377.31
1279_1280	1279	1280	2446.171	-341.831	-45.894	-41.391	392.957	-10059.5
1280_1280	1280	1280	-2444.76	341.866	47.428	51.499	-391.924	10267.39
1280_1281	1280	1281	2459.898	-321.111	-47.428	-51.499	134.848	-8531.93
1281_1281	1281	1281	-2504.3	304.166	-23.619	-10.382	-145.404	8735.229
1281_1282	1281	1282	2532.048	-260.379	23.619	10.382	437.328	-5359.14
1282_1282	1282	1282	-2532.1	260.527	-15.743	7.293	-437.328	5359.109
1282_1283	1282	1283	2553.26	-217.509	15.743	-7.293	628.49	-2543.25
1283_1283	1283	1283	-2553.26	169.079	13.912	-2.154	-628.49	2543.278
1283_1284	1283	1284	2566.76	-125.128	-13.912	2.154	455.899	-773.718
1284_1284	1284	1284	-2566.66	125.268	22.461	3.331	-455.899	773.518
1284_1285	1284	1285	2573.26	-87.157	-22.461	-3.331	214.276	341.312
1285_1285	1285	1285	-2573.17	49.721	29.565	-0.202	-214.276	-341.361
1285_1286	1285	1286	2575.699	-10.078	-29.565	0.202	-116.56	664.368
1286_1286	1286	1286	-2575.58	10.208	37.458	0.997	116.56	-664.459
1286_1287	1286	1287	2573.331	26.648	-37.458	-0.997	-506.239	586.492
1287_1287	1287	1287	-2573.67	-63.768	-22.639	-2.828	506.239	-586.144
1287_1288	1287	1288	2565.742	110.168	22.639	2.828	-209.722	-523.032
1288_1288	1288	1288	-2565.75	-113.443	-13.576	2.646	209.722	522.804
1288_1289	1288	1289	2550.673	153.199	13.576	-2.646	-57.376	-1960.4
1289_1289	1289	1289	-2550.58	-188.271	-2.264	0.35	57.376	1959.872
1289_1290	1289	1290	2544.178	202.459	2.264	-0.35	-48.308	-2717.25
1290_1290	1290	1290	-2542.46	-202.425	1.531	5.586	48.925	2485.735
1290_1291	1290	1291	2524.976	238.387	-1.531	-5.586	-63.47	-4512.53

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1291_1291	1291	1291	307.363	788.138	25.079	-12.988	-220.391	24817.26
1291_1292	1291	1292	-291.972	-756.217	-25.079	12.807	33.793	-19174.4
1292_1292	1292	1292	269.856	731.791	2.641	-28.693	-32.638	19172.59
1292_1293	1292	1293	-235.476	-679.238	-2.641	28.671	-0.849	-10418.6
1293_1293	1293	1293	214.896	686.255	2.743	25.597	-3.071	10415.99
1293_1294	1293	1294	-178.599	-641.366	-2.743	-25.608	-27.622	-3156.36
1294_1294	1294	1294	137.657	612.544	-2.403	-3.096	53.578	3303.573
1294_1295	1294	1295	-112.577	-584.863	2.403	3.045	-36.632	814.611
1295_1295	1295	1295	72.169	588.124	-2.662	1.64	45.508	-657.043
1295_1296	1295	1296	-45.734	-563.23	2.662	-1.661	-26.454	4662.373
1296_1296	1296	1296	38.045	565.502	-2.646	-0.36	26.478	-4662.5
1296_1297	1296	1297	-11.33	-534.98	2.646	0.359	-3.211	9377.396
1297_1297	1297	1297	11.038	495.736	0.565	26.029	3.211	-9377.77
1297_1298	1297	1298	0.4	-481.675	-0.565	-26.029	-5.5	11304.79
1298_1298	1298	1298	38.531	482.125	0.767	14.88	1.91	-11524.1
1298_1299	1298	1299	-19.462	-448.889	-0.767	-14.88	-8.402	15375.8
1299_1299	1299	1299	19.405	448.989	0.819	-24.86	8.402	-15375.4
1299_1300	1299	1300	3.535	-401.935	-0.819	24.86	-18.219	20367.66
1300_1300	1300	1300	-3.556	354.609	1.315	42.376	18.219	-20367.5
1300_1301	1300	1301	23.842	-302.93	-1.315	-42.376	-35.523	24601.03
1301_1301	1301	1301	-23.799	303.05	1.38	-43.099	35.523	-24601.3
1301_1302	1301	1302	36.665	-258.576	-1.38	43.099	-51.154	27723.03
1302_1302	1302	1302	-36.708	206.862	-0.143	60.377	51.154	-27722.8
1302_1303	1302	1303	47.4	-154.01	0.143	-60.377	-49.223	30103.25
1303_1303	1303	1303	-47.35	154.13	-0.067	-64.962	49.223	-30103.5
1303_1304	1303	1304	51.642	-110.784	0.067	64.962	-48.483	31547.2
1304_1304	1304	1304	-51.681	56.9	1.161	57.71	48.483	-31547.1
1304_1305	1304	1305	52.572	-5.605	-1.161	-57.71	-63.658	31953.19
1305_1305	1305	1305	-52.532	5.725	1.226	-56.192	63.658	-31953.4
1305_1306	1305	1306	48.677	39.151	-1.226	56.192	-77.674	31782.26
1306_1306	1306	1306	-48.682	-95.44	0.062	54.141	77.674	-31782.2
1306_1307	1306	1307	38.882	142.01	-0.062	-54.141	-78.414	30422.02
1307_1307	1307	1307	-38.896	-141.891	0.119	-41.396	78.414	-30422
1307_1308	1307	1308	23.333	191.499	-0.119	41.396	-79.921	28391.13
1308_1308	1308	1308	-23.317	-241.683	1.979	48.506	79.921	-28391.3
1308_1309	1308	1309	4.328	289.435	-1.979	-48.506	-103.991	25252.95
1309_1309	1309	1309	-4.321	-289.316	2.041	-38.299	103.991	-25252.9
1309_1310	1309	1310	-19.948	337.765	-2.041	38.299	-129.182	21500.37
1310_1310	1310	1310	19.94	-382.45	-1.703	31.159	129.182	-21500.3
1310_1311	1310	1311	-49.332	432.739	1.703	-31.159	-107.371	16420.26
1311_1311	1311	1311	49.327	-432.614	-1.64	-24.186	107.371	-16420.3
1311_1312	1311	1312	-84.068	482.793	1.64	24.186	-86.403	10736.54
1312_1312	1312	1312	83.91	-525.7	-4.813	5.781	86.403	-10735.8
1312_1313	1312	1313	-145.126	596.18	4.813	-5.781	0	958.882
1400_1020	1400	1020	2432.959	-222.56	-25.064	0.617	-195.056	-3242.11
1400_1401	1400	1401	-2434.01	226.543	25.064	-0.617	297.609	2323.321
1401_1401	1401	1401	2432.762	-221.077	18.973	-5.512	-306.22	-2323.05
1401_1402	1401	1402	-2433.67	224.471	-18.973	5.512	240.015	1545.665
1402_1402	1402	1402	2438.364	-165.617	20.966	1.577	-239.7	-1545.72
1402_1403	1402	1403	-2441.46	176.166	-20.966	-1.577	10.791	-320.117
1403_1403	1403	1403	2463.882	-102.613	3.247	-0.475	-23.181	320.09
1403_1404	1403	1404	-2466.14	109.513	-3.247	0.475	-0.231	-1084.83
1404_1404	1404	1404	2468.019	-52.093	1.78	0.169	0.449	1084.825

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1404_1405	1404	1405	-2470.44	58.942	-1.78	-0.169	-13.293	-1485.31
1405_1405	1405	1405	2468.286	25.598	1.251	-0.293	0.924	1485.284
1405_1406	1405	1406	-2473.59	-12.095	-1.251	0.293	-18.947	-1213.68
1406_1406	1406	1406	2468.118	97.277	0.125	-0.429	7.368	1213.66
1406_1407	1406	1407	-2471.67	-89.093	-0.125	0.429	-8.471	-387.832
1407_1407	1407	1407	2469.261	140.881	-1.21	-0.402	8.554	387.831
1407_1408	1407	1408	-2471.72	-135.539	1.21	0.402	-1.827	380.263
1408_1408	1408	1408	2444.841	-385.424	2.563	1.227	3.837	-380.274
1408_1409	1408	1409	-2445.54	388.541	-2.563	-1.227	-11.577	-788.573
1409_1409	1409	1409	2439.597	362.262	3.392	-2.05	11.762	788.014
1409_1410	1409	1410	-2438.9	-359.145	-3.392	2.05	-22.008	301.46
1410_1410	1410	1410	2450.765	-159.477	1.389	-0.911	18.595	-301.474
1410_1411	1410	1411	-2448.31	164.819	-1.389	0.911	-26.314	-599.657
1411_1411	1411	1411	2451.216	-113.703	-2.892	-0.433	25.844	599.678
1411_1412	1411	1412	-2447.66	121.885	2.892	0.433	-0.221	-1643.36
1412_1412	1412	1412	2444.991	-37.099	-0.053	-0.713	10.967	1643.36
1412_1413	1412	1413	-2439.69	50.607	0.053	0.713	-10.207	-2275.47
1413_1413	1413	1413	2434.43	32.263	-3.299	-0.114	19.577	2275.492
1413_1414	1413	1414	-2432.01	-25.419	3.299	0.114	4.204	-2067.59
1414_1414	1414	1414	2430.764	82.044	-1.723	-1.372	-3.762	2067.594
1414_1415	1414	1415	-2428.51	-75.149	1.723	1.372	16.178	-1501.31
1415_1415	1415	1415	2408.143	148.487	-10.702	-1.18	-6.412	1501.311
1415_1416	1415	1416	-2405.05	-137.93	10.702	1.18	123.339	63.374
1416_1416	1416	1416	2400.918	194.29	-35.449	1.039	-123.154	-63.736
1416_1417	1416	1417	-2400.01	-190.903	35.449	-1.039	246.609	734.474
1417_1417	1417	1417	2401.649	198.793	18.289	-1.395	-239.387	-734.504
1417_1036	1417	1036	-2400.6	-194.8	-18.289	1.395	164.385	1541.543
1420_1056	1420	1056	1996.088	-210.781	-24.944	0.695	-53.444	-3541.64
1420_1421	1420	1421	-1997.02	214.312	24.944	-0.695	155.548	2671.624
1421_1421	1421	1421	1996.421	-209.175	12.592	-1.005	-162.592	-2671.58
1421_1422	1421	1422	-1997.22	212.179	-12.592	1.005	118.703	1937.288
1422_1422	1422	1422	2001.702	-164.721	11.721	0.949	-118.946	-1937.27
1422_1423	1422	1423	-2004.44	174.072	-11.721	-0.949	-9.078	87.053
1423_1423	1423	1423	2021.395	-113.329	1.976	0.212	-2.432	-87.016
1423_1424	1423	1424	-2023.39	119.434	-1.976	-0.212	-11.798	-751.095
1424_1424	1424	1424	2025.594	-73.217	-0.077	0.714	12.072	751.09
1424_1425	1424	1425	-2027.74	79.286	0.077	-0.714	-11.514	-1301.21
1425_1425	1425	1425	2030.111	-10.203	0.886	0.387	0.437	1301.258
1425_1426	1425	1426	-2034.81	22.171	-0.886	-0.387	-13.202	-1534.58
1426_1426	1426	1426	2035.902	48.264	0.428	-0.405	2.628	1534.642
1426_1427	1426	1427	-2039.05	-41.015	-0.428	0.405	-6.416	-1139.18
1427_1427	1427	1427	2037.746	83.598	-3.573	1.656	7.415	1139.171
1427_1428	1427	1428	-2039.93	-78.836	3.573	-1.656	12.44	-687.895
1428_1428	1428	1428	2015.435	-351.387	0.865	-0.208	-10.593	687.87
1428_1429	1428	1429	-2016.06	354.165	-0.865	0.208	7.981	-1752.74
1429_1429	1429	1429	2017.071	360.133	0.076	0.656	-8.08	1755.287
1429_1430	1429	1430	-2016.45	-357.346	-0.076	-0.656	7.85	-668.921
1430_1430	1430	1430	2044.243	-74.654	2.35	-0.711	-10.373	668.919
1430_1431	1430	1431	-2042.06	79.415	-2.35	0.711	-2.686	-1096.96
1431_1431	1431	1431	2043.266	-36.908	-0.606	0.809	1.986	1096.959
1431_1432	1431	1432	-2040.12	44.155	0.606	-0.809	3.383	-1455.96
1432_1432	1432	1432	2040.045	26.331	-0.571	0.167	8.33	1456.027
1432_1433	1432	1433	-2035.34	-14.365	0.571	-0.167	-0.098	-1162.8

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1433_1433	1433	1433	2035.232	83.609	1.18	-0.189	11.538	1162.87
1433_1434	1433	1434	-2033.09	-77.541	-1.18	0.189	-20.046	-581.745
1434_1434	1434	1434	2030.743	124.715	-2.368	0.383	19.697	581.757
1434_1435	1434	1435	-2028.74	-118.603	2.368	-0.383	-2.626	295.097
1435_1435	1435	1435	2006.414	179.336	-20.034	-0.206	15.025	-295.027
1435_1436	1435	1436	-2003.68	-169.982	20.034	0.206	203.872	2203.387
1436_1436	1436	1436	1999.1	216.937	-23.446	0.703	-202.785	-2203.49
1436_1437	1436	1437	-1998.3	-213.935	23.446	-0.703	284.45	2953.873
1437_1437	1437	1437	1999.567	219.478	21.1	-0.879	-281.68	-2953.55
1437_1072	1437	1072	-1998.64	-215.949	-21.1	0.879	195.362	3844.204
1440_1094	1440	1094	2357.768	-198.317	-22.646	0.132	15.454	-2189.37
1440_1441	1440	1441	-2358.69	201.818	22.646	-0.132	77.309	1369.859
1441_1441	1441	1441	2356.979	-195.535	7.24	-0.99	-89.402	-1369.81
1441_1442	1441	1442	-2357.77	198.514	-7.24	0.99	64.141	682.338
1442_1442	1442	1442	2361.857	-141.906	7.265	0.557	-64.144	-682.338
1442_1443	1442	1443	-2364.57	151.169	-7.265	-0.557	-15.219	-918.44
1443_1443	1443	1443	2377.874	-78.684	0.702	0.373	0.765	918.48
1443_1444	1443	1444	-2379.85	84.73	-0.702	-0.373	-5.82	-1506.72
1444_1444	1444	1444	2381.166	-30.433	1.029	0.033	5.753	1506.725
1444_1445	1444	1445	-2383.29	36.444	-1.029	-0.033	-13.173	-1747.92
1445_1445	1445	1445	2386.64	44.795	0.931	0.144	-0.882	1747.978
1445_1446	1445	1446	-2391.3	-32.934	-0.931	-0.144	-12.54	-1187.51
1446_1446	1446	1446	2393.763	116.923	2.343	0.116	-1.738	1187.563
1446_1447	1446	1447	-2396.88	-109.747	-2.343	-0.116	-19.012	-183.852
1447_1447	1447	1447	2394.117	159.039	-1.28	-0.005	19.134	183.839
1447_1448	1447	1448	-2396.29	-154.318	1.28	0.005	-12.019	687.058
1448_1448	1448	1448	2387.066	-352.272	-13.814	4.126	14.581	-687.104
1448_1449	1448	1449	-2387.68	355.02	13.814	-4.126	27.051	-378.703
1449_1449	1449	1449	2386.612	353.305	15.654	-4.115	-27.052	379.079
1449_1450	1449	1450	-2386	-350.546	-15.654	4.115	-20.294	685.349
1450_1450	1450	1450	2392.748	-157.288	-1.569	0.046	17.744	-685.332
1450_1451	1450	1451	-2390.58	162.01	1.569	-0.046	-9.021	-202.269
1451_1451	1451	1451	2393.406	-112.821	-0.816	-0.202	9.048	202.268
1451_1452	1451	1452	-2390.29	120	0.816	0.202	-1.821	-1233.42
1452_1452	1452	1452	2385.629	-36.661	-1.272	-0.158	15.422	1233.437
1452_1453	1452	1453	-2380.97	48.515	1.272	0.158	2.907	-1847.31
1453_1453	1453	1453	2375.409	33.267	-0.445	-0.201	10.986	1847.327
1453_1454	1453	1454	-2373.29	-27.256	0.445	0.201	-7.775	-1629.02
1454_1454	1454	1454	2372.119	79.313	-0.637	-0.238	7.725	1629.022
1454_1455	1454	1455	-2370.14	-73.285	0.637	0.238	-3.149	-1081.1
1455_1455	1455	1455	2356.156	148.907	-7.004	-0.437	17.622	1081.138
1455_1456	1455	1456	-2353.44	-139.626	7.004	0.437	59.023	497.631
1456_1456	1456	1456	2349.512	194.812	-9.028	0.509	-58.9	-497.646
1456_1457	1456	1457	-2348.72	-191.833	9.028	-0.509	90.403	1172.199
1457_1457	1457	1457	2350.815	198.43	20.755	-0.302	-78.706	-1172.15
1457_1110	1457	1110	-2349.89	-194.93	-20.755	0.302	-6.311	1977.787
1460_1132	1460	1132	1974.644	-202.011	4.444	0.038	206.315	-3255.05
1460_1461	1460	1461	-1975.56	205.51	-4.444	-0.038	-224.51	2420.711
1461_1461	1461	1461	1973.038	-200.486	-19.1	1.838	205.664	-2420.71
1461_1462	1461	1462	-1973.83	203.464	19.1	-1.838	-139.043	1716.198
1462_1462	1462	1462	1978.163	-156.044	-17.33	0.073	139.508	-1716.16
1462_1463	1462	1463	-1980.88	165.304	17.33	-0.073	49.743	-38.462
1463_1463	1463	1463	1975.859	-104.535	2.611	1.143	-63.255	38.173

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1463_1464	1463	1464	-1977.84	110.588	-2.611	-1.143	44.435	-813.47
1464_1464	1464	1464	1979.857	-64.633	8.275	-0.18	-45.227	813.427
1464_1465	1464	1465	-1981.98	70.642	-8.275	0.18	-14.454	-1301.26
1465_1465	1465	1465	1964.935	-0.461	1.686	0.462	-1.911	1301.159
1465_1466	1465	1466	-1969.59	12.313	-1.686	-0.462	-22.388	-1393.2
1466_1466	1466	1466	1941.151	60.755	-4.528	0.604	7.474	1393.096
1466_1467	1466	1467	-1944.27	-53.579	4.528	-0.604	32.628	-886.853
1467_1467	1467	1467	1942.764	93.516	-0.781	-0.4	-33.378	886.825
1467_1468	1467	1468	-1944.93	-88.795	0.781	0.4	37.718	-380.137
1468_1468	1468	1468	1893.085	-307.443	9.721	-19.421	-36.067	379.937
1468_1469	1468	1469	-1893.7	310.201	-9.721	19.421	6.676	-1313.67
1469_1469	1469	1469	1879.272	304.281	-4.932	19.408	-32.519	1273.126
1469_1470	1469	1470	-1878.66	-301.523	4.932	-19.408	47.43	-357.294
1470_1470	1470	1470	1924.136	-91.519	2.607	-0.307	-49.143	357.096
1470_1471	1470	1471	-1921.97	96.24	-2.607	0.307	34.654	-878.908
1471_1471	1471	1471	1923.537	-56.682	4.632	-0.508	-34.256	878.924
1471_1472	1471	1472	-1920.42	63.859	-4.632	0.508	-6.763	-1412.66
1472_1472	1472	1472	1940.874	8.526	-1.988	-0.725	20.861	1412.575
1472_1473	1472	1473	-1936.22	3.335	1.988	0.725	7.81	-1375.15
1473_1473	1473	1473	1948.58	64.881	-0.959	-0.74	6.122	1375.014
1473_1474	1473	1474	-1946.46	-58.872	0.959	0.74	0.794	-928.733
1474_1474	1474	1474	1944.611	103.251	-1.177	-0.616	-0.845	928.733
1474_1475	1474	1475	-1942.63	-97.206	1.177	0.616	9.321	-207.208
1475_1475	1475	1475	1948.078	157.045	0.262	-0.639	3.984	207.119
1475_1476	1475	1476	-1945.37	-147.784	-0.262	0.639	-6.841	1457.618
1476_1476	1476	1476	1941.259	194.414	1.6	0.23	6.548	-1457.62
1476_1477	1476	1477	-1940.46	-191.436	-1.6	-0.23	-12.129	2130.698
1477_1477	1477	1477	1942.076	196.671	6.264	0.213	25.61	-2130.74
1477_1148	1477	1148	-1941.16	-193.171	-6.264	-0.213	-51.264	2929.041
1480_1168	1480	1168	1726.47	-191.339	16.261	0.777	-47.89	-3490.34
1480_1481	1480	1481	-1727.39	194.839	-16.261	-0.777	-18.712	2699.507
1481_1481	1481	1481	1726.342	-190.569	-3.601	-4.348	2.707	-2699.42
1481_1482	1481	1482	-1727.14	193.547	3.601	4.348	9.856	2029.402
1482_1482	1482	1482	1731.284	-152.087	1.558	2.096	-8.14	-2029.41
1482_1483	1482	1483	-1734	161.349	-1.558	-2.096	-8.874	317.644
1483_1483	1483	1483	1708.683	-109.288	0.322	0.904	-4.57	-317.737
1483_1484	1483	1484	-1710.66	115.342	-0.322	-0.904	2.251	-491.862
1484_1484	1484	1484	1712.88	-75.556	0.561	0.887	-2.254	491.862
1484_1485	1484	1485	-1715	81.565	-0.561	-0.887	-1.789	-1058.48
1485_1485	1485	1485	1680.034	-21.396	3.161	0.854	-12.514	1058.389
1485_1486	1485	1486	-1684.69	33.247	-3.161	-0.854	-33.04	-1452.12
1486_1486	1486	1486	1640.409	29.823	-10.404	0.712	19.596	1452.028
1486_1487	1486	1487	-1643.53	-22.647	10.404	-0.712	72.538	-1219.7
1487_1487	1487	1487	1642.732	56.417	-7.255	-0.1	-73.566	1219.642
1487_1488	1487	1488	-1644.9	-51.696	7.255	0.1	113.892	-919.167
1488_1488	1488	1488	1567.586	-275.527	13.521	-34.499	-113.529	918.996
1488_1489	1488	1489	-1568.2	278.284	-13.521	34.499	72.647	-1756.23
1489_1489	1489	1489	1572.136	280.361	-15.089	34.673	-33.597	1766.957
1489_1490	1489	1490	-1571.52	-277.604	15.089	-34.673	79.22	-923.446
1490_1490	1490	1490	1646.302	-49.532	5.851	-0.276	-81.015	923.066
1490_1491	1490	1491	-1644.13	54.252	-5.851	0.276	48.493	-1211.5
1491_1491	1491	1491	1644.895	-20.418	7.57	-0.537	-47.941	1211.522
1491_1492	1491	1492	-1641.78	27.594	-7.57	0.537	-19.098	-1424.11

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1492_1492	1492	1492	1686.662	35.222	-3.026	-0.939	32.11	1423.964
1492_1493	1492	1493	-1682.01	-23.371	3.026	0.939	11.5	-1001.78
1493_1493	1493	1493	1715.733	83.516	-0.683	-1.026	1.988	1001.674
1493_1494	1493	1494	-1713.61	-77.507	0.683	1.026	2.941	-420.988
1494_1494	1494	1494	1711.348	117.309	-0.922	-0.897	-2.984	420.988
1494_1495	1494	1495	-1709.37	-111.255	0.922	0.897	9.631	402.792
1495_1495	1495	1495	1732.081	163.141	-1.377	-0.573	2.641	-402.876
1495_1496	1495	1496	-1729.37	-153.879	1.377	0.573	12.403	2134.217
1496_1496	1496	1496	1725.18	195.316	-1.734	-0.731	-12.291	-2134.22
1496_1497	1496	1497	-1724.39	-192.338	1.734	0.731	18.342	2810.443
1497_1497	1497	1497	1725.537	196.691	-8.165	-0.538	-6.766	-2810.48
1497_1184	1497	1184	-1724.62	-193.192	8.165	0.538	40.204	3608.86
1500_1204	1500	1204	2132.407	-216.436	-29.44	-0.135	33.026	-3497.48
1500_1501	1500	1501	-2133.5	220.575	29.44	0.135	87.544	2602.588
1501_1501	1501	1501	2132.28	-215.268	7.642	0.252	-92.619	-2602.67
1501_1502	1501	1502	-2133.22	218.79	-7.642	-0.252	65.958	1845.496
1502_1502	1502	1502	2137.903	-166.996	6.211	0.587	-66.303	-1845.48
1502_1503	1502	1503	-2141.11	177.939	-6.211	-0.587	-1.474	-36.625
1503_1503	1503	1503	2163.164	-113.942	0.554	0.516	-6.294	36.564
1503_1504	1503	1504	-2165.51	121.102	-0.554	-0.516	2.302	-883.701
1504_1504	1504	1504	2167.734	-70.745	0.857	0.444	-2.334	883.701
1504_1505	1504	1505	-2170.24	77.852	-0.857	-0.444	-3.85	-1419.58
1505_1505	1505	1505	2181.055	-4.14	0.591	0.326	-4.266	1419.516
1505_1506	1505	1506	-2186.56	18.167	-0.591	-0.326	-4.253	-1580.36
1506_1506	1506	1506	2192.751	58.301	1.953	-0.138	-3.794	1580.271
1506_1507	1506	1507	-2196.44	-49.814	-1.953	0.138	-13.499	-1101.55
1507_1507	1507	1507	2194.951	94.985	-0.353	0.719	14.014	1101.543
1507_1508	1507	1508	-2197.49	-89.45	0.353	-0.719	-12.051	-588.969
1508_1508	1508	1508	2175.647	-375.21	-2.823	2.896	15.288	588.995
1508_1509	1508	1509	-2176.37	378.443	2.823	-2.896	-6.752	-1728.34
1509_1509	1509	1509	2176.555	376.601	-1.817	-3.061	6.792	1728.055
1509_1510	1509	1510	-2175.83	-373.378	1.817	3.061	-1.318	-597.923
1510_1510	1510	1510	2202.962	-90.013	2.532	-1.298	-0.861	598.008
1510_1511	1510	1511	-2200.42	95.549	-2.532	1.298	-13.21	-1113.73
1511_1511	1511	1511	2201.919	-50.321	-1.704	0.552	12.259	1113.745
1511_1512	1511	1512	-2198.23	58.808	1.704	-0.552	2.832	-1596.94
1512_1512	1512	1512	2196.774	17.648	-0.024	-0.309	6.042	1596.877
1512_1513	1512	1513	-2191.27	-3.621	0.024	0.309	-5.7	-1443.52
1513_1513	1513	1513	2187.106	77.424	-1.1	-0.404	13.701	1443.443
1513_1514	1513	1514	-2184.6	-70.316	1.1	0.404	-5.77	-910.659
1514_1514	1514	1514	2182.374	121.066	-1.406	-0.408	5.716	910.659
1514_1515	1514	1515	-2180.03	-113.906	1.406	0.408	4.415	-63.785
1515_1515	1515	1515	2160.534	177.951	-13.282	-1.427	3.616	63.699
1515_1516	1515	1516	-2157.33	-167.007	13.282	1.427	141.324	1818.535
1516_1516	1516	1516	2152.651	219.269	-11.837	3.255	-141.652	-1818.51
1516_1517	1516	1517	-2151.71	-215.747	11.837	-3.255	182.949	2577.351
1517_1517	1517	1517	2150.719	220.985	31.847	-0.153	-178.615	-2577.47
1517_1220	1517	1220	-2149.63	-216.846	-31.847	0.153	48.186	3474.04
1520_1241	1520	1241	2077.977	-266.569	-18.315	45.145	-404.281	-5850.3
1520_1521	1520	1521	-2079.29	271.547	18.315	-45.145	479.373	4747.133
1521_1521	1521	1521	2068.272	-265.896	35.814	6.71	-473.478	-4759.92
1521_1522	1521	1522	-2069.4	270.119	-35.814	-6.71	348.754	3826.556
1522_1522	1522	1522	2075.339	-220.994	28.313	0.694	-352.681	-3826.2

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1522_1523	1522	1523	-2079.19	234.144	-28.313	-0.694	43.607	1342.038
1523_1523	1523	1523	2108.222	-172.495	6.217	0.74	-50.788	-1342.03
1523_1524	1523	1524	-2111.03	181.095	-6.217	-0.74	5.979	67.689
1524_1524	1524	1524	2114.676	-132.046	2.538	0.758	-6.002	-67.687
1524_1525	1524	1525	-2117.69	140.584	-2.538	-0.758	-12.303	-915.52
1525_1525	1525	1525	2112.995	-70.766	-1.268	0.223	6.886	914.32
1525_1526	1525	1526	-2119.61	87.606	1.268	-0.223	11.397	-2055.68
1526_1526	1526	1526	2112.473	-16.21	-0.563	-1.915	-14.695	2053.187
1526_1527	1526	1527	-2116.91	26.412	0.563	1.915	19.686	-2242.02
1527_1527	1527	1527	2116.991	17.588	-4.618	2.773	-17.757	2242.035
1527_1528	1527	1528	-2120.02	-10.99	4.618	-2.773	43.428	-2162.61
1528_1528	1528	1528	2069.124	-433.953	0.893	-2.677	-36.705	2161.832
1528_1529	1528	1529	-2069.99	437.803	-0.893	2.677	34.008	-3478.39
1529_1529	1529	1529	2067.81	429.186	4.337	1.538	-33.753	3475.638
1529_1530	1529	1530	-2066.95	-425.336	-4.337	-1.538	20.656	-2185.4
1530_1530	1530	1530	2108.625	-15.977	7.724	-2.412	-27.614	2184.427
1530_1531	1530	1531	-2105.59	22.578	-7.724	2.412	-15.332	-2291.61
1531_1531	1531	1531	2105.624	20.413	5.025	0.226	13.998	2291.62
1531_1532	1531	1532	-2101.19	-10.219	-5.025	-0.226	-58.497	-2155.99
1532_1532	1532	1532	2099.247	83.717	-0.749	-0.894	59.504	2154.542
1532_1533	1532	1533	-2092.63	-66.873	0.749	0.894	-48.705	-1069.05
1533_1533	1533	1533	2091.801	138.26	-2.153	-0.338	51.478	1068.563
1533_1534	1533	1534	-2088.79	-129.722	2.153	0.338	-35.946	-102.155
1534_1534	1534	1534	2085.202	178.288	-3.84	-1.09	35.901	102.166
1534_1535	1534	1535	-2082.39	-169.687	3.84	1.09	-8.218	1152.101
1535_1535	1535	1535	2081.707	231.273	-1.532	0.874	14.089	-1151.06
1535_1536	1535	1536	-2077.85	-218.121	1.532	-0.874	2.638	3604.205
1536_1536	1536	1536	2071.945	268.453	-5.405	-6.04	-0.754	-3604.2
1536_1537	1536	1537	-2070.82	-264.22	5.405	6.04	19.619	4533.852
1537_1537	1537	1537	2071.987	269.352	-12.783	-44.627	-16.068	-4541.95
1537_1255	1537	1255	-2070.68	-264.388	12.783	44.627	68.345	5633.32
1540_1279	1540	1279	2890.861	-263.688	87.818	151.764	694.353	-2505.56
1540_1541	1540	1541	-2892.27	269.038	-87.818	-151.764	-1053.98	1414.766
1541_1541	1541	1541	2952.765	-239.535	-56.805	21.538	1044.798	-1469.95
1541_1542	1541	1542	-2953.98	244.093	56.805	-21.538	-846.465	625.658
1542_1542	1542	1542	2958.911	-172.331	-62.916	-0.336	846.353	-626.18
1542_1543	1542	1543	-2963.06	186.487	62.916	0.336	-159.358	-1332.84
1543_1543	1543	1543	2919.057	-107.533	-7.271	-3.621	153.952	1332.042
1543_1544	1543	1544	-2922.08	116.79	7.271	3.621	-101.534	-2140.61
1544_1544	1544	1544	2923.967	-48.084	-19.185	2.765	104.519	2140.472
1544_1545	1544	1545	-2927.21	57.265	19.185	-2.765	33.758	-2520.13
1545_1545	1545	1545	2918.913	37.93	0.74	-0.692	-34.243	2515.755
1545_1546	1545	1546	-2926.03	-19.808	-0.74	0.692	23.579	-2099.66
1546_1546	1546	1546	2930.546	119.618	7.68	-0.756	-23.584	2097.125
1546_1547	1546	1547	-2935.32	-108.646	-7.68	0.756	-44.425	-1086.42
1547_1547	1547	1547	2932.546	167.625	3.151	-0.014	45.151	1086.393
1547_1548	1547	1548	-2935.8	-160.535	-3.151	0.014	-62.683	-173.465
1548_1548	1548	1548	2929.494	-459.198	-14.521	4.056	71.238	170.432
1548_1549	1548	1549	-2930.42	463.328	14.521	-4.056	-27.394	-1563.11
1549_1549	1549	1549	2947.463	485.033	-20.232	-5.978	27.951	1567.389
1549_1550	1549	1550	-2946.51	-480.972	20.232	5.978	32.254	-130.078
1550_1550	1550	1550	2986.567	-163.321	11.17	-2.005	-34.859	135.063
1550_1551	1550	1551	-2983.13	170.473	-11.17	2.005	-28.359	-1079.63

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1551_1551	1551	1551	2986.285	-101.557	7.141	-1.225	27.656	1079.654
1551_1552	1551	1552	-2981.6	111.925	-7.141	1.225	-87.805	-1978.74
1552_1552	1552	1552	2997.771	5.439	-0.075	-2.29	87.827	1977.005
1552_1553	1552	1553	-2990.64	12.191	0.075	2.29	-86.773	-2024.54
1553_1553	1553	1553	2999.779	99.342	-9.778	-2.834	86.425	2022.401
1553_1554	1553	1554	-2996.55	-90.39	9.778	2.834	-17.542	-1354.09
1554_1554	1554	1554	2993.223	167.392	-13.287	-1.666	16.927	1354.097
1554_1555	1554	1555	-2990.22	-158.356	13.287	1.666	76.726	-206.085
1555_1555	1555	1555	2980.684	260.458	-27.798	-1.479	-74.372	204.551
1555_1556	1555	1556	-2976.65	-246.655	27.798	1.479	370.32	2494.882
1556_1556	1556	1556	2968.555	329.413	-34.527	3.001	-368.688	-2495.12
1556_1557	1556	1557	-2967.38	-324.938	34.527	-3.001	486.935	3615.62
1557_1557	1557	1557	2942.439	350.252	23.544	7.807	-486.009	-3615.27
1557_1291	1557	1291	-2940.57	-342.914	-23.544	-7.807	354.045	5557.863
2000_2000	2000	2000	6.846	17.071	0.034	-0.047	0	-8.901
2000_2001	2000	2001	-20.751	8.725	-0.034	0.047	-0.54	90.202
2001_2001	2001	2001	20.754	-8.725	0.034	0.023	0.54	-90.201
2001_2002	2001	2002	-30.01	25.897	-0.034	-0.023	-0.9	-83.944
2002_2002	2002	2002	30.06	22.504	-0.046	-0.013	0.9	83.875
2002_2003	2002	2003	-26.036	-2.827	0.046	0.013	-0.343	66.476
2003_2003	2003	2003	26.035	2.827	-0.046	-0.02	0.343	-66.476
2003_2004	2003	2004	-22.008	16.867	0.046	0.02	0.215	-22.927
2004_2004	2004	2004	22.006	19.687	0.016	-0.046	-0.215	22.627
2004_2005	2004	2005	-21.929	-0.009	-0.016	0.046	0.026	97.336
2005_2005	2005	2005	21.93	0.009	0.016	0.022	-0.026	-97.335
2005_2006	2005	2006	-21.853	19.686	-0.016	-0.022	-0.163	-22.504
2006_2006	2006	2006	21.868	20.018	-0.004	-0.007	0.163	22.465
2006_2007	2006	2007	-21.455	-0.339	0.004	0.007	-0.112	101.093
2007_2007	2007	2007	21.455	0.339	-0.004	-0.007	0.112	-101.093
2007_2008	2007	2008	-21.042	19.341	0.004	0.007	-0.061	-14.978
2008_2008	2008	2008	21.037	19.494	0.003	0.043	0.061	15.314
2008_2009	2008	2009	-21.01	0.188	-0.003	-0.043	-0.099	102.132
2009_2009	2009	2009	21.01	-0.188	0.003	-0.047	0.099	-102.132
2009_2010	2009	2010	-20.982	19.883	-0.003	0.047	-0.136	-20.272
2010_2010	2010	2010	20.988	19.337	0.002	0.003	0.136	20.274
2010_2011	2010	2011	-21.708	0.345	-0.002	-0.003	-0.165	95.951
2011_2011	2011	2011	21.708	-0.345	0.002	0.003	0.165	-95.951
2011_2012	2011	2012	-22.429	20.026	-0.002	-0.003	-0.194	-27.502
2012_2012	2012	2012	22.446	18.62	-0.007	0.04	0.194	27.223
2012_2013	2012	2013	-20.968	1.057	0.007	-0.04	-0.11	77.779
2013_2013	2013	2013	20.969	-1.057	-0.007	-0.028	0.11	-77.779
2013_2014	2013	2014	-19.49	20.749	0.007	0.028	-0.026	-56.985
2014_2014	2014	2014	19.491	19.057	0.021	0.019	0.026	56.922
2014_2015	2014	2015	-38.613	7.749	-0.021	-0.019	-0.368	56.865
2015_2015	2015	2015	38.551	-7.751	0.02	-0.014	0.366	-56.769
2015_2016	2015	2016	-48.056	21.08	-0.02	0.014	-0.534	-52.183
2016_2016	2016	2016	18.183	19.84	-0.001	0.013	0.519	101.643
2016_2017	2016	2017	-22.394	-1.115	0.001	-0.013	-0.508	26.027
2017_2017	2017	2017	22.395	1.115	-0.001	-0.003	0.508	-26.027
2017_2018	2017	2018	-27.14	19.981	0.001	0.003	-0.498	-93.833
2018_2018	2018	2018	27.14	19.412	0.023	0.006	0.498	93.956
2018_2019	2018	2019	-26.19	0.5	-0.023	-0.006	-0.78	23.247
2019_2019	2019	2019	26.191	-0.5	0.023	-0.013	0.78	-23.247

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2019_2020	2019	2020	-25.241	20.411	-0.023	0.013	-1.064	-108.449
2020_2020	2020	2020	25.213	21.088	0.001	-0.019	1.064	108.473
2020_2021	2020	2021	-24.832	-5.948	-0.001	0.019	-1.074	19.808
2021_2021	2021	2021	24.815	5.948	0	0.004	1.075	-19.786
2021_2022	2021	2022	-24.504	6.39	0	-0.004	-1.078	17.907
2022_2022	2022	2022	24.504	-6.39	0	0.002	1.078	-17.907
2022_2023	2022	2023	-24.192	18.744	0	-0.002	-1.082	-79.723
2023_2023	2023	2023	24.194	19.351	-0.115	-0.019	1.082	79.677
2023_2024	2023	2024	-23.845	-6.614	0.115	0.019	-0.162	23.87
2024_2024	2024	2024	23.845	6.614	-0.115	-0.019	0.162	-23.87
2024_2025	2024	2025	-23.497	6.123	0.115	0.019	0.759	25.565
2025_2025	2025	2025	23.496	-6.123	-0.116	0.009	-0.759	-25.565
2025_2026	2025	2026	-23.147	18.878	0.116	-0.009	1.684	-74.799
2026_2026	2026	2026	23.148	18.927	-0.014	-0.026	-1.684	74.611
2026_2027	2026	2027	-23.241	-9.367	0.014	0.026	1.769	10.369
2027_2027	2027	2027	23.241	9.367	-0.014	-0.04	-1.769	-10.369
2027_2028	2027	2028	-23.333	0.177	0.014	0.04	1.851	37.968
2028_2028	2028	2028	23.333	-0.177	-0.014	0.016	-1.851	-37.968
2028_2029	2028	2029	-23.426	9.737	0.014	-0.016	1.936	8.286
2029_2029	2029	2029	23.426	-9.737	-0.014	0.016	-1.936	-8.286
2029_2030	2029	2030	-23.518	19.298	0.014	-0.016	2.021	-78.779
2030_2030	2030	2030	23.518	18.452	0.07	-0.017	-2.021	78.719
2030_2031	2030	2031	-23.902	-5.706	-0.07	0.017	1.46	18.191
2031_2031	2031	2031	23.902	5.706	0.07	0.008	-1.46	-18.191
2031_2032	2031	2032	-24.285	7.026	-0.07	-0.008	0.904	13.165
2032_2032	2032	2032	24.286	-7.026	0.07	-0.011	-0.904	-13.165
2032_2033	2032	2033	-24.67	19.773	-0.07	0.011	0.343	-93.807
2033_2033	2033	2033	24.674	18.604	0.022	-0.004	-0.343	93.828
2033_2034	2033	2034	-25.075	-6.251	-0.022	0.004	0.174	2.85
2034_2034	2034	2034	25.075	6.251	0.022	-0.008	-0.174	-2.85
2034_2035	2034	2035	-25.476	6.085	-0.022	0.008	0.001	3.789
2035_2035	2035	2035	25.476	-6.085	0.023	-0.01	-0.001	-3.789
2035_2036	2035	2036	-25.968	21.22	-0.023	0.01	-0.213	-125.571
2036_2036	2036	2036	25.914	21.15	0.006	-0.008	0.213	125.591
2036_2037	2036	2037	-26.653	-1.23	-0.006	0.008	-0.293	14.973
2037_2037	2037	2037	26.654	1.23	0.006	-0.006	0.293	-14.973
2037_2038	2037	2038	-27.392	18.674	-0.006	0.006	-0.372	-93.394
2038_2038	2038	2038	27.389	14.011	-0.152	-0.014	0.372	93.417
2038_2039	2038	2039	-19.102	7.08	0.152	0.014	1.639	-56.406
2039_2039	2039	2039	60.371	-4.234	-0.005	-0.009	-0.069	-9.382
2039_2040	2039	2040	-110.173	22.606	0.005	0.009	0.129	-94.459
2040_2040	2040	2040	110.173	19.197	0.017	-0.012	-0.129	94.58
2040_2041	2040	2041	-112.197	-6.301	-0.017	0.012	-0.013	13.649
2041_2041	2041	2041	112.197	6.301	0.017	-0.013	0.013	-13.649
2041_2042	2041	2042	-116.162	18.958	-0.017	0.013	-0.292	-82.688
2042_2042	2042	2042	116.168	20.609	-0.01	0.017	0.292	82.71
2042_2043	2042	2043	-105.688	-1.9	0.01	-0.017	-0.177	40.867
2043_2043	2043	2043	105.688	1.9	-0.01	-0.034	0.177	-40.868
2043_2044	2043	2044	-95.217	16.792	0.01	0.034	-0.063	-59.33
2044_2044	2044	2044	95.213	19.551	0.004	-0.002	0.063	59.472
2044_2045	2044	2045	-88.195	-0.842	-0.004	0.002	-0.11	55.075
2045_2045	2045	2045	88.195	0.842	0.004	-0.002	0.11	-55.075
2045_2046	2045	2046	-81.177	17.867	-0.004	0.002	-0.156	-54.344

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2046_2046	2046	2046	81.196	19.243	0	0.004	0.156	54.126
2046_2047	2046	2047	-74.282	-0.541	0	-0.004	-0.158	56.662
2047_2047	2047	2047	74.282	0.541	0	0.004	0.158	-56.662
2047_2048	2047	2048	-67.368	18.16	0	-0.004	-0.16	-56.337
2048_2048	2048	2048	67.38	18.667	-0.006	-0.012	0.16	56.217
2048_2049	2048	2049	-59.938	0.034	0.006	0.012	-0.089	46.794
2049_2049	2049	2049	59.937	-0.034	-0.006	0.033	0.089	-46.795
2049_2050	2049	2050	-52.495	18.735	0.006	-0.033	-0.018	-73.967
2050_2050	2050	2050	52.51	18.425	0.01	0.017	0.018	73.783
2050_2051	2050	2051	-50.622	6.805	-0.01	-0.017	-0.186	17.929
2051_2051	2051	2051	50.568	-6.805	0.01	0.01	0.184	-17.847
2051_2052	2051	2052	-49.606	19.686	-0.01	-0.01	-0.269	-92.38
2052_2052	2052	2052	49.61	19.774	-0.021	0.014	0.269	92.461
2052_2053	2052	2053	-27.408	-1.409	0.021	-0.014	-0.018	5.68
2053_2053	2053	2053	27.264	2.442	0	0.013	0.013	-6.273
2053_2054	2053	2054	-29.602	17.634	0	-0.013	-0.007	-92.106
2054_2054	2054	2054	29.603	18.27	0.036	0.015	0.007	91.964
2054_2055	2054	2055	-30.428	0.661	-0.036	-0.015	-0.457	19.173
2055_2055	2055	2055	30.428	-0.661	0.036	0.001	0.457	-19.173
2055_2056	2055	2056	-31.253	19.592	-0.036	-0.001	-0.906	-106.304
2056_2056	2056	2056	31.232	20.125	-0.031	0.014	0.906	106.325
2056_2057	2056	2057	-30.468	-5.733	0.031	-0.014	-0.613	15.829
2057_2057	2057	2057	30.45	5.733	-0.031	-0.004	0.612	-15.808
2057_2058	2057	2058	-29.826	6.002	0.031	0.004	-0.373	14.193
2058_2058	2058	2058	29.827	-6.002	-0.031	0.011	0.373	-14.193
2058_2059	2058	2059	-29.204	17.738	0.031	-0.011	-0.134	-78.349
2059_2059	2059	2059	29.206	18.78	-0.096	0.004	0.134	78.342
2059_2060	2059	2060	-27.729	-6.654	0.096	-0.004	0.637	21.962
2060_2060	2060	2060	27.729	6.654	-0.096	0.005	-0.637	-21.962
2060_2061	2060	2061	-26.254	5.456	0.096	-0.005	1.408	25.247
2061_2061	2061	2061	26.254	-5.456	-0.096	0.003	-1.408	-25.247
2061_2062	2061	2062	-24.777	17.582	0.096	-0.003	2.179	-68.478
2062_2062	2062	2062	24.778	18.32	0.005	-0.013	-2.179	68.385
2062_2063	2062	2063	-24.122	-9.244	-0.005	0.013	2.151	13.452
2063_2063	2063	2063	24.122	9.244	0.005	-0.029	-2.151	-13.452
2063_2064	2063	2064	-23.465	-0.153	-0.005	0.029	2.123	40.904
2064_2064	2064	2064	23.465	0.153	0.005	0.031	-2.123	-40.904
2064_2065	2064	2065	-22.808	8.938	-0.005	-0.031	2.096	13.797
2065_2065	2065	2065	22.808	-8.938	0.005	0.031	-2.096	-13.797
2065_2066	2065	2066	-22.152	18.029	-0.005	-0.031	2.068	-67.875
2066_2066	2066	2066	22.154	18.057	0.11	0.006	-2.068	67.703
2066_2067	2066	2067	-21.252	-5.935	-0.11	-0.006	1.185	27.142
2067_2067	2067	2067	21.252	5.935	0.11	0.008	-1.185	-27.142
2067_2068	2067	2068	-20.352	6.173	-0.11	-0.008	0.304	25.033
2068_2068	2068	2068	20.352	-6.173	0.11	0.007	-0.304	-25.033
2068_2069	2068	2069	-19.45	18.295	-0.11	-0.007	-0.578	-74.035
2069_2069	2069	2069	19.452	17.528	0.015	0.005	0.578	73.966
2069_2070	2069	2070	-20.25	-5.784	-0.015	-0.005	-0.692	17.19
2070_2070	2070	2070	20.25	5.784	0.015	0.006	0.692	-17.19
2070_2071	2070	2071	-21.046	5.944	-0.015	-0.006	-0.806	17.358
2071_2071	2071	2071	21.026	-5.944	0.015	0.003	0.811	-17.339
2071_2072	2071	2072	-22.003	20.342	-0.015	-0.003	-0.952	-106.634
2072_2072	2072	2072	22.007	20.413	0.012	0.004	0.952	106.604

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2072_2073	2072	2073	-20.527	-1.483	-0.012	-0.004	-1.104	28.364
2073_2073	2073	2073	20.527	1.483	0.012	0.004	1.104	-28.364
2073_2074	2073	2074	-19.048	17.446	-0.012	-0.004	-1.256	-73.239
2074_2074	2074	2074	19.052	14.268	-0.254	-0.002	1.256	73.295
2074_2075	2074	2075	0.382	5.799	0.254	0.002	2.112	-38.286
2075_2075	2075	2075	45.192	-3.12	-0.01	-0.001	0.186	-34.784
2075_2076	2075	2076	-88.904	20.537	0.01	0.001	-0.068	-53.984
2076_2076	2076	2076	88.896	17.83	0.012	-0.045	0.068	53.979
2076_2077	2076	2077	-86.263	-5.609	-0.012	0.045	-0.169	40.213
2077_2077	2077	2077	86.188	5.609	0.012	0.018	0.171	-40.084
2077_2078	2077	2078	-81.502	16.134	-0.012	-0.018	-0.349	-41.575
2078_2078	2078	2078	81.495	17.838	-0.011	-0.006	0.349	41.815
2078_2079	2078	2079	-77.057	-1.167	0.011	0.006	-0.231	60.1
2079_2079	2079	2079	77.057	1.167	-0.011	-0.003	0.231	-60.1
2079_2080	2079	2080	-72.623	15.489	0.011	0.003	-0.113	-25.424
2080_2080	2080	2080	72.624	16.768	0.001	-0.035	0.113	25.427
2080_2081	2080	2081	-69.792	-0.101	-0.001	0.035	-0.122	66.26
2081_2081	2081	2081	69.793	0.101	0.001	0.032	0.122	-66.26
2081_2082	2081	2082	-66.961	16.566	-0.001	-0.032	-0.13	-29.567
2082_2082	2082	2082	66.975	18.073	-0.001	-0.032	0.13	29.429
2082_2083	2082	2083	-63.886	-0.175	0.001	0.032	-0.118	77.105
2083_2083	2083	2083	63.886	0.175	-0.001	0.035	0.118	-77.105
2083_2084	2083	2084	-60.794	17.738	0.001	-0.035	-0.105	-32.776
2084_2084	2084	2084	60.804	16.804	-0.002	-0.025	0.105	32.771
2084_2085	2084	2085	-58.565	-0.14	0.002	0.025	-0.08	59.667
2085_2085	2085	2085	58.564	0.14	-0.002	0.035	0.08	-59.667
2085_2086	2085	2086	-56.327	16.51	0.002	-0.035	-0.056	-35.172
2086_2086	2086	2086	56.319	16.185	0.007	-0.015	0.056	35.412
2086_2087	2086	2087	-53.288	0.479	-0.007	0.015	-0.139	48.939
2087_2087	2087	2087	53.287	-0.479	0.007	0.031	0.139	-48.94
2087_2088	2087	2088	-50.255	17.143	-0.007	-0.031	-0.223	-54.155
2088_2088	2088	2088	50.262	15.162	-0.015	0.007	0.223	54.153
2088_2089	2088	2089	-54.118	5.768	0.015	-0.007	-0.01	16.135
2089_2089	2089	2089	54.066	-5.768	-0.015	0.006	0.009	-16.061
2089_2090	2089	2090	-56.317	17.983	0.015	-0.006	0.116	-79.56
2090_2090	2090	2090	56.324	18.031	0	0.006	-0.116	79.768
2090_2091	2090	2091	-37.074	-0.614	0	-0.006	0.12	6.224
2091_2091	2091	2091	37.279	1.516	0.029	0.006	-0.23	-6.964
2091_2092	2091	2092	-41.663	17.816	-0.029	-0.006	-0.149	-96.552
2092_2092	2092	2092	41.664	17.883	-0.008	0.006	0.149	96.403
2092_2093	2092	2093	-41.642	0.351	0.008	-0.006	-0.048	13.361
2093_2093	2093	2093	41.643	-0.351	-0.008	-0.004	0.048	-13.361
2093_2094	2093	2094	-41.62	18.599	0.008	0.004	0.053	-104.901
2094_2094	2094	2094	41.636	19.299	-0.008	0.005	-0.053	104.869
2094_2095	2094	2095	-41.154	-5.43	0.008	-0.005	0.133	12.24
2095_2095	2095	2095	41.089	5.43	-0.009	-0.007	-0.134	-12.153
2095_2096	2095	2096	-40.696	5.87	0.009	0.007	0.201	10.123
2096_2096	2096	2096	40.696	-5.87	-0.009	0.004	-0.201	-10.123
2096_2097	2096	2097	-40.303	17.184	0.009	-0.004	0.267	-79.576
2097_2097	2097	2097	40.309	17.937	0.009	-0.002	-0.267	79.445
2097_2098	2097	2098	-39.366	-6.273	-0.009	0.002	0.196	16.316
2098_2098	2098	2098	39.366	6.273	0.009	-0.002	-0.196	-16.316
2098_2099	2098	2099	-38.422	5.405	-0.009	0.002	0.126	18.798

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2099_2099	2099	2099	38.422	-5.405	0.009	-0.002	-0.126	-18.798
2099_2100	2099	2100	-37.478	17.083	-0.009	0.002	0.055	-72.177
2100_2100	2100	2100	37.476	17.549	-0.005	0	-0.055	72.149
2100_2101	2100	2101	-37.135	-8.79	0.005	0	0.083	6.47
2101_2101	2101	2101	37.135	8.79	-0.005	0	-0.083	-6.47
2101_2102	2101	2102	-36.794	-0.046	0.005	0	0.112	32.518
2102_2102	2102	2102	36.794	0.046	-0.005	-0.001	-0.112	-32.518
2102_2103	2102	2103	-36.452	8.713	0.005	0.001	0.14	6.083
2103_2103	2103	2103	36.452	-8.713	-0.005	-0.001	-0.14	-6.083
2103_2104	2103	2104	-36.11	17.472	0.005	0.001	0.169	-72.924
2104_2104	2104	2104	36.11	17.253	-0.005	0.013	-0.169	72.928
2104_2105	2104	2105	-35.806	-5.574	0.005	-0.013	0.208	17.879
2105_2105	2105	2105	35.806	5.574	-0.005	-0.004	-0.208	-17.879
2105_2106	2105	2106	-35.502	6.09	0.005	0.004	0.248	15.273
2106_2106	2106	2106	35.502	-6.09	-0.005	-0.005	-0.248	-15.273
2106_2107	2106	2107	-35.198	17.769	0.005	0.005	0.289	-80.748
2107_2107	2107	2107	35.198	16.994	0.004	0.001	-0.289	80.777
2107_2108	2107	2108	-35.6	-5.68	-0.004	-0.001	0.258	7.471
2108_2108	2108	2108	35.6	5.68	0.004	-0.004	-0.258	-7.472
2108_2109	2108	2109	-36.001	5.619	-0.004	0.004	0.228	8.053
2109_2109	2109	2109	36.024	-5.619	0.004	0.001	-0.23	-8.081
2109_2110	2109	2110	-36.517	19.488	-0.004	-0.001	0.193	-110.807
2110_2110	2110	2110	36.508	19.367	0.032	0.005	-0.193	110.81
2110_2111	2110	2111	-36.47	-1.135	-0.032	-0.005	-0.203	16.862
2111_2111	2111	2111	36.469	1.135	0.032	-0.006	0.203	-16.862
2111_2112	2111	2112	-36.431	17.111	-0.032	0.006	-0.599	-83.419
2112_2112	2112	2112	36.432	13.452	-0.142	-0.005	0.599	83.449
2112_2113	2112	2113	-21.202	5.889	0.142	0.005	1.288	-50.474
2113_2113	2113	2113	62.743	-3.54	0.003	-0.007	0.231	-16.676
2113_2114	2113	2114	-105.484	20.638	-0.003	0.007	-0.266	-75.604
2114_2114	2114	2114	105.476	17.328	-0.009	-0.069	0.266	75.614
2114_2115	2114	2115	-106.425	-5.314	0.009	0.069	-0.188	19.585
2115_2115	2115	2115	106.429	5.314	-0.009	0.028	0.188	-19.584
2115_2116	2115	2116	-108.113	16.006	0.009	-0.028	-0.051	-55.528
2116_2116	2116	2116	108.115	18.079	0.003	-0.036	0.051	55.358
2116_2117	2116	2117	-100.891	-1.711	-0.003	0.036	-0.081	47.921
2117_2117	2117	2117	100.892	1.711	0.003	0.025	0.081	-47.92
2117_2118	2117	2118	-93.668	14.658	-0.003	-0.025	-0.112	-32.812
2118_2118	2118	2118	93.664	16.908	-0.002	0.032	0.112	32.81
2118_2119	2118	2119	-88.863	-0.541	0.002	-0.032	-0.088	60.023
2119_2119	2119	2119	88.862	0.541	-0.002	-0.036	0.088	-60.023
2119_2120	2119	2120	-84.056	15.841	0.002	0.036	-0.065	-31.29
2120_2120	2120	2120	84.068	18.146	-0.003	0.002	0.065	31.1
2120_2121	2120	2121	-78.761	-0.556	0.003	-0.002	-0.033	75.853
2121_2121	2121	2121	78.761	0.556	-0.003	0.002	0.033	-75.853
2121_2122	2121	2122	-73.454	17.034	0.003	-0.002	-0.001	-29.706
2122_2122	2122	2122	73.454	16.829	-0.003	0.005	0.001	29.706
2122_2123	2122	2123	-69.185	-0.449	0.003	-0.005	0.03	62.477
2123_2123	2123	2123	69.185	0.449	-0.003	0.006	-0.03	-62.477
2123_2124	2123	2124	-64.92	15.917	0.003	-0.006	0.061	-29.465
2124_2124	2124	2124	64.918	16.228	0.004	0.034	-0.061	29.477
2124_2125	2124	2125	-60.084	0.138	-0.004	-0.034	0.013	55
2125_2125	2125	2125	60.085	-0.138	0.004	-0.018	-0.013	-55

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2125_2126	2125	2126	-55.246	16.519	-0.004	0.018	-0.034	-44.656
2126_2126	2126	2126	55.267	14.798	-0.026	0.018	0.034	44.484
2126_2127	2126	2127	-57.037	5.397	0.026	-0.018	0.331	22.493
2127_2127	2127	2127	57.038	-5.397	-0.026	-0.005	-0.331	-22.492
2127_2128	2127	2128	-58.093	17.423	0.026	0.005	0.548	-70.696
2128_2128	2128	2128	58.086	17.749	0.045	0.006	-0.548	70.536
2128_2129	2128	2129	-38.419	-0.655	-0.045	-0.006	0.016	12.837
2129_2129	2129	2129	38.682	1.554	0.141	0.005	-0.474	-13.502
2129_2130	2129	2130	-44.03	17.759	-0.141	-0.005	-1.394	-88.512
2130_2130	2130	2130	44.032	17.247	-0.197	0.004	1.394	88.399
2130_2131	2130	2131	-44.497	0.959	0.197	-0.004	1.075	14.286
2131_2131	2131	2131	44.498	-0.959	-0.197	-0.006	-1.075	-14.286
2131_2132	2131	2132	-44.962	19.151	0.197	0.006	3.542	-110.415
2132_2132	2132	2132	41.617	18.377	0.27	-0.011	-3.542	84.709
2132_2133	2132	2133	-41.62	-4.54	-0.27	0.011	0.972	24.067
2133_2133	2133	2133	41.62	4.54	0.269	0.004	-0.972	-24.067
2133_2134	2133	2134	-41.622	6.747	-0.269	-0.004	-1.111	15.449
2134_2134	2134	2134	41.622	-6.747	0.269	0.004	1.111	-15.449
2134_2135	2134	2135	-41.625	18.05	-0.269	-0.004	-3.198	-80.83
2135_2135	2135	2135	41.639	18.375	-0.106	-0.007	3.198	81
2135_2136	2135	2136	-40.351	-6.722	0.106	0.007	-2.348	18.101
2136_2136	2136	2136	40.351	6.722	-0.109	0.012	2.348	-18.101
2136_2137	2136	2137	-39.063	4.932	0.109	-0.012	-1.477	23.958
2137_2137	2137	2137	39.063	-4.932	-0.106	-0.013	1.477	-23.959
2137_2138	2137	2138	-37.775	16.585	0.106	0.013	-0.628	-63.428
2138_2138	2138	2138	37.774	17.412	-0.01	0	0.628	63.429
2138_2139	2138	2139	-37.38	-8.671	0.01	0	-0.567	14.312
2139_2139	2139	2139	37.38	8.671	-0.01	0	0.567	-14.312
2139_2140	2139	2140	-36.985	0.069	0.01	0	-0.506	39.602
2140_2140	2140	2140	36.985	-0.069	-0.01	0	0.506	-39.602
2140_2141	2140	2141	-36.591	8.809	0.01	0	-0.445	12.441
2141_2141	2141	2141	36.591	-8.809	-0.01	0	0.445	-12.441
2141_2142	2141	2142	-36.197	17.549	0.01	0	-0.384	-67.17
2142_2142	2142	2142	36.204	17.141	-0.033	0.011	0.384	67.015
2142_2143	2142	2143	-35.837	-5.502	0.033	-0.011	-0.118	22.698
2143_2143	2143	2143	35.837	5.502	-0.031	-0.012	0.118	-22.698
2143_2144	2143	2144	-35.47	6.152	0.031	0.012	0.126	19.337
2144_2144	2144	2144	35.47	-6.152	-0.033	0.006	-0.126	-19.337
2144_2145	2144	2145	-35.102	17.806	0.033	-0.006	0.393	-77.271
2145_2145	2145	2145	35.098	16.866	-0.016	-0.003	-0.393	77.407
2145_2146	2145	2146	-36.119	-5.577	0.016	0.003	0.517	10.644
2146_2146	2146	2146	36.119	5.577	-0.016	-0.003	-0.517	-10.644
2146_2147	2146	2147	-37.141	5.713	0.016	0.003	0.641	11.189
2147_2147	2147	2147	37.22	-5.712	-0.018	0.002	-0.645	-11.281
2147_2148	2147	2148	-38.473	19.551	0.018	-0.002	0.819	-107.429
2148_2148	2148	2148	38.494	19.565	0.042	-0.01	-0.819	107.428
2148_2149	2148	2149	-37.566	-1.357	-0.042	0.01	0.289	21.875
2149_2149	2149	2149	37.567	1.357	0.041	0.004	-0.289	-21.875
2149_2150	2149	2150	-36.639	16.838	-0.041	-0.004	-0.217	-76.299
2150_2150	2150	2150	36.636	12.966	-0.065	-0.017	0.217	76.301
2150_2151	2150	2151	-17.224	6.335	0.065	0.017	0.642	-54.599
2151_2151	2151	2151	67.055	-3.564	-0.004	0.001	-0.092	-26.244
2151_2152	2151	2152	-114.089	21.418	0.004	-0.001	0.142	-66.968

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2152_2152	2152	2152	114.092	17.161	0.001	-0.01	-0.142	66.968
2152_2153	2152	2153	-115.424	-4.625	-0.001	0.01	0.134	25.088
2153_2153	2153	2153	115.617	4.625	0.001	-0.009	-0.133	-25.429
2153_2154	2153	2154	-117.846	16.251	-0.001	0.009	0.121	-50.824
2154_2154	2154	2154	117.843	18.401	0.002	-0.005	-0.121	50.823
2154_2155	2154	2155	-109.875	-1.688	-0.002	0.005	0.102	51.115
2155_2155	2155	2155	109.875	1.688	0.002	-0.005	-0.102	-51.115
2155_2156	2155	2156	-101.907	15.026	-0.002	0.005	0.084	-30.827
2156_2156	2156	2156	101.9	16.315	0.003	-0.031	-0.084	30.824
2156_2157	2156	2157	-96.996	-1.105	-0.003	0.031	0.056	51.095
2157_2157	2157	2157	96.996	1.105	0.002	0.032	-0.056	-51.095
2157_2158	2157	2158	-92.087	14.119	-0.002	-0.032	0.038	-19.406
2158_2158	2158	2158	92.091	15.111	0.002	0.006	-0.038	19.22
2158_2159	2158	2159	-87.473	0.099	-0.002	-0.006	0.014	50.815
2159_2159	2159	2159	87.473	-0.099	0.002	0.006	-0.014	-50.815
2159_2160	2159	2160	-82.854	15.308	-0.002	-0.006	-0.009	-31.42
2160_2160	2160	2160	82.834	16.466	0	0.01	0.009	31.6
2160_2161	2160	2161	-77.137	0.248	0	-0.01	-0.011	50.952
2161_2161	2161	2161	77.137	-0.248	0	0.01	0.011	-50.952
2161_2162	2161	2162	-71.44	16.961	0	-0.01	-0.014	-50.377
2162_2162	2162	2162	71.434	15.428	0.007	0.017	0.014	50.376
2162_2163	2162	2163	-72.971	5.464	-0.007	-0.017	-0.111	20.164
2163_2163	2163	2163	73.12	-5.464	0.008	0.001	0.112	-20.371
2163_2164	2163	2164	-74.044	17.984	-0.008	-0.001	-0.177	-75.033
2164_2164	2164	2164	74.049	18.846	-0.01	0.008	0.177	75.034
2164_2165	2164	2165	-51.472	-0.993	0.01	-0.008	-0.056	13.139
2165_2165	2165	2165	51.626	1.881	0.008	0.007	0.037	-13.412
2165_2166	2165	2166	-55.848	18.788	-0.008	-0.007	-0.142	-93.933
2166_2166	2166	2166	55.837	18.888	-0.002	0.001	0.142	93.936
2166_2167	2166	2167	-56.397	0.611	0.002	-0.001	-0.121	21.112
2167_2167	2167	2167	56.397	-0.611	-0.002	0.001	0.121	-21.112
2167_2168	2167	2168	-56.957	20.11	0.002	-0.001	-0.1	-107.621
2168_2168	2168	2168	56.978	20.659	-0.003	-0.01	0.1	107.504
2168_2169	2168	2169	-56.698	-5.855	0.003	0.01	-0.076	18.184
2169_2169	2169	2169	56.775	5.855	-0.002	-0.007	0.075	-18.28
2169_2170	2169	2170	-56.547	6.234	0.002	0.007	-0.056	16.696
2170_2170	2170	2170	56.548	-6.234	-0.004	0.011	0.056	-16.696
2170_2171	2170	2171	-56.319	18.324	0.004	-0.011	-0.023	-78.6
2171_2171	2171	2171	56.314	19.364	-0.001	-0.011	0.023	78.749
2171_2172	2171	2172	-54.919	-6.885	0.001	0.011	-0.013	24.881
2172_2172	2172	2172	54.918	6.885	-0.003	0.016	0.013	-24.88
2172_2173	2172	2173	-53.523	5.595	0.003	-0.016	0.01	28.66
2173_2173	2173	2173	53.523	-5.595	-0.001	-0.015	-0.01	-28.66
2173_2174	2173	2174	-52.128	18.074	0.001	0.015	0.02	-67.411
2174_2174	2174	2174	52.135	18.803	0	0.001	-0.02	67.249
2174_2175	2174	2175	-51.613	-9.444	0	-0.001	0.023	16.92
2175_2175	2175	2175	51.613	9.444	-0.001	0.001	-0.023	-16.92
2175_2176	2175	2176	-51.092	-0.1	0.001	-0.001	0.026	44.922
2176_2176	2176	2176	51.092	0.1	0	0	-0.026	-44.922
2176_2177	2176	2177	-50.57	9.26	0	0	0.029	16.851
2177_2177	2177	2177	50.57	-9.26	0	0	-0.029	-16.851
2177_2178	2177	2178	-50.047	18.619	0	0	0.032	-67.387
2178_2178	2178	2178	50.046	18.446	0.001	0.015	-0.032	67.549

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2178_2179	2178	2179	-49.45	-5.967	-0.001	-0.015	0.024	29.258
2179_2179	2179	2179	49.45	5.967	0.003	-0.016	-0.024	-29.258
2179_2180	2179	2180	-48.854	6.513	-0.003	0.016	0.003	26.213
2180_2180	2180	2180	48.854	-6.513	0.001	0.01	-0.003	-26.213
2180_2181	2180	2181	-48.258	18.992	-0.001	-0.01	-0.006	-76.685
2181_2181	2181	2181	48.244	18.029	0.002	-0.004	0.006	76.686
2181_2182	2181	2182	-49.066	-5.94	-0.002	0.004	-0.02	16.988
2182_2182	2182	2182	49.066	5.94	0.002	-0.004	0.02	-16.988
2182_2183	2182	2183	-49.889	6.15	-0.002	0.004	-0.034	16.954
2183_2183	2183	2183	49.994	-6.15	0	0.007	0.029	-17.074
2183_2184	2183	2184	-51.001	20.953	0	-0.007	-0.031	-110.597
2184_2184	2184	2184	51.04	20.893	-0.005	-0.013	0.031	110.703
2184_2185	2184	2185	-50.03	-1.394	0.005	0.013	0.037	27.251
2185_2185	2185	2185	50.032	1.394	-0.007	0.005	-0.037	-27.251
2185_2186	2185	2186	-49.022	18.105	0.007	-0.005	0.119	-78.573
2186_2186	2186	2186	49.01	14.955	0.002	-0.024	-0.119	78.575
2186_2187	2186	2187	-31.375	5.714	-0.002	0.024	0.098	-37.27
2187_2187	2187	2187	76.214	-3.316	0.001	0.003	-0.012	-36.034
2187_2188	2187	2188	-122.611	22.435	-0.001	-0.003	-0.002	-59.16
2188_2188	2188	2188	122.615	19.021	-0.002	-0.011	0.002	59.159
2188_2189	2188	2189	-118.457	-5.613	0.002	0.011	0.017	38.042
2189_2189	2189	2189	119.791	5.602	-0.002	-0.013	-0.017	-36.746
2189_2190	2189	2190	-112.83	16.772	0.002	0.013	0.049	-47.123
2190_2190	2190	2190	112.827	19.234	0.001	-0.009	-0.049	47.122
2190_2191	2190	2191	-107.029	-1.335	-0.001	0.009	0.041	59.248
2191_2191	2191	2191	107.029	1.335	0.001	-0.009	-0.041	-59.248
2191_2192	2191	2192	-101.232	16.563	-0.001	0.009	0.033	-31.299
2192_2192	2192	2192	101.221	17.336	0.002	0.031	-0.033	31.296
2192_2193	2192	2193	-96.948	-0.918	-0.002	-0.031	0.015	55.723
2193_2193	2193	2193	96.948	0.918	0.002	-0.038	-0.015	-55.723
2193_2194	2193	2194	-92.675	15.5	-0.002	0.038	-0.01	-22.941
2194_2194	2194	2194	92.663	16.197	0	-0.029	0.01	22.936
2194_2195	2194	2195	-88.525	0.221	0	0.029	-0.007	52.568
2195_2195	2195	2195	88.525	-0.221	-0.001	0.033	0.007	-52.568
2195_2196	2195	2196	-84.387	16.639	0.001	-0.033	0.003	-37.612
2196_2196	2196	2196	84.372	17.482	0	0.006	-0.003	37.606
2196_2197	2196	2197	-79.707	0.416	0	-0.006	0.004	50.279
2197_2197	2197	2197	79.707	-0.416	0	0.007	-0.004	-50.28
2197_2198	2197	2198	-75.046	18.298	0	-0.007	0.006	-58.563
2198_2198	2198	2198	75.04	16.54	0.003	0.009	-0.006	58.561
2198_2199	2198	2199	-77.896	5.834	-0.003	-0.009	-0.033	17.988
2199_2199	2199	2199	78.002	-5.833	0.003	0.009	0.036	-18.13
2199_2200	2199	2200	-79.715	19.257	-0.003	-0.009	-0.06	-83.624
2200_2200	2200	2200	79.727	20.327	-0.001	0.011	0.06	83.63
2200_2201	2200	2201	-54.973	-1.208	0.001	-0.011	-0.046	12.443
2201_2201	2201	2201	56.413	2.187	0.013	0.004	0.147	-14.854
2201_2202	2201	2202	-60.3	20.198	-0.013	-0.004	-0.322	-100.332
2202_2202	2202	2202	60.298	20.4	-0.009	0.009	0.322	100.337
2202_2203	2202	2203	-60.865	0.734	0.009	-0.009	-0.205	23.673
2203_2203	2203	2203	60.865	-0.734	-0.009	-0.008	0.205	-23.672
2203_2204	2203	2204	-61.432	21.868	0.009	0.008	-0.098	-116.539
2204_2204	2204	2204	61.469	22.363	0.012	0.011	0.098	116.548
2204_2205	2204	2205	-61.368	-6.301	-0.012	-0.011	-0.208	19.556

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2205_2205	2205	2205	61.533	6.301	0.013	-0.005	0.214	-19.747
2205_2206	2205	2206	-61.451	6.803	-0.013	0.005	-0.311	17.742
2206_2206	2206	2206	61.451	-6.803	0.013	-0.004	0.311	-17.742
2206_2207	2206	2207	-61.37	19.889	-0.013	0.004	-0.408	-85.63
2207_2207	2207	2207	61.356	20.815	-0.049	0.007	0.408	85.784
2207_2208	2207	2208	-60.119	-7.289	0.049	-0.007	-0.017	25.34
2208_2208	2208	2208	60.119	7.289	-0.048	-0.022	0.017	-25.34
2208_2209	2208	2209	-58.882	6.237	0.048	0.022	0.366	28.237
2209_2209	2209	2209	58.882	-6.237	-0.049	0.01	-0.366	-28.237
2209_2210	2209	2210	-57.645	19.763	0.049	-0.01	0.758	-77.093
2210_2210	2210	2210	57.65	20.37	-0.012	0.001	-0.758	77.093
2210_2211	2210	2211	-57.135	-10.226	0.012	-0.001	0.83	14.078
2211_2211	2211	2211	57.135	10.226	-0.012	0.001	-0.83	-14.078
2211_2212	2211	2212	-56.621	-0.081	0.012	-0.001	0.902	44.371
2212_2212	2212	2212	56.621	0.081	-0.012	0.001	-0.902	-44.371
2212_2213	2212	2213	-56.106	10.064	0.012	-0.001	0.973	13.787
2213_2213	2213	2213	56.106	-10.064	-0.012	0.001	-0.973	-13.787
2213_2214	2213	2214	-55.591	20.208	0.012	-0.001	1.045	-77.674
2214_2214	2214	2214	55.585	20.11	0.049	-0.006	-1.045	77.487
2214_2215	2214	2215	-54.988	-6.584	-0.049	0.006	0.652	28.39
2215_2215	2215	2215	54.988	6.584	0.049	-0.005	-0.652	-28.39
2215_2216	2215	2216	-54.391	6.925	-0.049	0.005	0.259	26.114
2216_2216	2216	2216	54.392	-6.925	0.048	0.021	-0.259	-26.114
2216_2217	2216	2217	-53.794	20.451	-0.048	-0.021	-0.125	-84.323
2217_2217	2217	2217	53.789	19.538	-0.024	-0.01	0.125	84.472
2217_2218	2217	2218	-54.409	-6.435	0.024	0.01	0.059	16.791
2218_2218	2218	2218	54.409	6.435	-0.025	0.006	-0.059	-16.791
2218_2219	2218	2219	-55.029	6.669	0.025	-0.006	0.254	16.49
2219_2219	2219	2219	55.073	-6.668	-0.025	0.003	-0.255	-16.535
2219_2220	2219	2220	-55.832	22.731	0.025	-0.003	0.492	-122.39
2220_2220	2220	2220	55.867	22.778	0.101	0.011	-0.492	122.307
2220_2221	2220	2221	-54.397	-1.664	-0.101	-0.011	-0.774	28.363
2221_2221	2221	2221	54.396	1.664	0.102	-0.008	0.774	-28.363
2221_2222	2221	2222	-52.926	19.468	-0.102	0.008	-2.051	-84.886
2222_2222	2222	2222	52.937	16.405	-0.493	0.005	2.051	85.027
2222_2223	2222	2223	-37.371	5.994	0.493	-0.005	4.479	-34.188
2223_2223	2223	2223	76.889	-3.614	-0.006	-0.015	-0.064	-29.274
2223_2224	2223	2224	-123.942	24.317	0.006	0.015	0.135	-79.684
2224_2224	2224	2224	123.94	22.166	0.018	-0.021	-0.135	79.859
2224_2225	2224	2225	-120.015	-7.629	-0.018	0.021	-0.01	39.223
2225_2225	2225	2225	120.239	7.627	0.017	0.005	0.01	-39.599
2225_2226	2225	2226	-112.547	20.882	-0.017	-0.005	-0.292	-75.135
2226_2226	2226	2226	112.544	22.74	-0.005	0.223	0.292	74.861
2226_2227	2226	2227	-105.915	-1.226	0.005	-0.223	-0.236	63.977
2227_2227	2227	2227	105.909	1.226	-0.004	-0.221	0.236	-63.979
2227_2228	2227	2228	-99.28	20.29	0.004	0.221	-0.188	-59.899
2228_2228	2228	2228	99.222	22.018	0.016	0.037	0.188	60.019
2228_2229	2228	2229	-93.693	-0.5	-0.016	-0.037	-0.38	71.093
2229_2229	2229	2229	93.693	0.5	0.016	-0.028	0.38	-71.093
2229_2230	2229	2230	-88.164	21.019	-0.016	0.028	-0.572	-60.6
2230_2230	2230	2230	88.131	21.671	-0.008	0.356	0.572	60.792
2230_2231	2230	2231	-83.529	0.006	0.008	-0.356	-0.479	66.794
2231_2231	2231	2231	83.533	-0.006	-0.006	-0.341	0.479	-66.792

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2231_2232	2231	2232	-78.934	21.671	0.006	0.341	-0.4	-72.157
2232_2232	2232	2232	78.879	21.733	0.015	0.024	0.4	72.018
2232_2233	2232	2233	-77.031	2.914	-0.015	-0.024	-0.603	56.747
2233_2233	2233	2233	77.299	-2.915	0.015	-0.021	0.6	-57.058
2233_2234	2233	2234	-75.924	21.127	-0.015	0.021	-0.751	-69.317
2234_2234	2234	2234	75.955	19.019	-0.055	0.075	0.751	69.324
2234_2235	2234	2235	-62.572	1.08	0.055	-0.075	-0.12	15.683
2235_2235	2235	2235	63.667	-0.448	-0.308	-0.093	2.487	-17.465
2235_2236	2235	2236	-67.45	19.028	0.308	0.093	0.574	-75.487
2236_2236	2236	2236	67.38	18.898	0.188	-0.012	-0.574	75.643
2236_2237	2236	2237	-67.661	0.751	-0.188	0.012	-1.394	20.083
2237_2237	2237	2237	67.66	-0.751	0.187	0	1.394	-20.083
2237_2238	2237	2238	-67.951	21.055	-0.187	0	-3.427	-97.6
2238_2238	2238	2238	68.107	23.071	-0.173	0.136	3.427	97.611
2238_2239	2238	2239	-68.632	-3.441	0.173	-0.136	-1.616	42.128
2239_2239	2239	2239	68.629	3.441	-0.172	-0.11	1.616	-42.129
2239_2240	2239	2240	-69.331	22.796	0.172	0.11	0.798	-92.436
2240_2240	2240	2240	69.397	21.026	-0.035	-0.01	-0.795	92.288
2240_2241	2240	2241	-67.679	-3.48	0.035	0.01	1.126	20.857
2241_2241	2241	2241	67.679	3.48	-0.035	0.004	-1.126	-20.857
2241_2242	2241	2242	-65.799	15.716	0.035	-0.004	1.488	-43.681
2242_2242	2242	2242	65.806	17.869	-0.069	0.008	-1.488	43.771
2242_2243	2242	2243	-64.977	0.576	0.069	-0.008	2.164	40.532
2243_2243	2243	2243	64.977	-0.576	-0.069	-0.009	-2.164	-40.532
2243_2244	2243	2244	-64.153	18.89	0.069	0.009	2.835	-55.522
2244_2244	2244	2244	64.128	19.158	0.017	0.118	-2.835	55.536
2244_2245	2244	2245	-63.593	-2.053	-0.017	-0.118	2.682	40.669
2245_2245	2245	2245	63.592	2.053	0.017	-0.099	-2.682	-40.67
2245_2246	2245	2246	-62.978	17.577	-0.017	0.099	2.5	-41.471
2246_2246	2246	2246	62.972	16.215	-0.028	0.007	-2.5	41.46
2246_2247	2246	2247	-62.146	3.039	0.028	-0.007	2.787	25.122
2247_2247	2247	2247	62.146	-3.039	-0.028	-0.001	-2.787	-25.122
2247_2248	2247	2248	-61.395	20.546	0.028	0.001	3.048	-86.18
2248_2248	2248	2248	61.349	22.207	0.262	0.292	-3.048	85.855
2248_2249	2248	2249	-62.548	1.669	-0.262	-0.292	-0.295	45.87
2249_2249	2249	2249	62.644	-1.668	0.264	-0.313	0.293	-45.966
2249_2250	2249	2250	-63.745	23.655	-0.264	0.313	-3.399	-101.976
2250_2250	2250	2250	63.78	21.354	-0.132	-0.003	3.399	101.978
2250_2251	2250	2251	-65.099	4.715	0.132	0.003	-1.563	15.148
2251_2251	2251	2251	65.1	-4.715	-0.132	0.005	1.563	-15.148
2251_2252	2251	2252	-65.83	19.141	0.132	-0.005	-0.546	-76.021
2252_2252	2252	2252	65.599	19.043	0.046	-0.006	0.546	75.985
2252_2253	2252	2253	-55.177	-0.122	-0.046	0.006	-1.013	8.62
2253_2253	2253	2253	55.205	0.122	0.047	-0.014	1.013	-8.628
2253_2254	2253	2254	-42.641	22.689	-0.047	0.014	-1.588	-143.555
2254_2254	2254	2254	99.331	19.281	-0.128	-0.034	2.116	52.391
2254_2255	2254	2255	-117.408	-1.468	0.128	0.034	-0.96	63.643
2255_2255	2255	2255	117.412	1.468	-0.128	0.029	0.96	-63.643
2255_2256	2255	2256	-147.148	27.833	0.128	-0.029	0.942	-94.76
2256_2256	2256	2256	147.121	23.986	0.067	0.248	-0.934	94.599
2256_2257	2256	2257	-146.202	-1.878	-0.067	-0.248	0.187	49.598
2257_2257	2257	2257	146.214	1.878	0.067	-0.238	-0.187	-49.594
2257_2258	2257	2258	-145.239	21.56	-0.067	0.238	-0.602	-67.609

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2258_2258	2258	2258	145.251	22.368	-0.003	-0.009	0.602	67.823
2258_2259	2258	2259	-147.137	0.548	0.003	0.009	-0.568	61.424
2259_2259	2259	2259	147.137	-0.548	-0.003	0.021	0.568	-61.424
2259_2260	2259	2260	-149.001	23.206	0.003	-0.021	-0.534	-72.039
2260_2260	2260	2260	148.996	21.734	0.002	0.53	0.534	71.949
2260_2261	2260	2261	-152.802	1.281	-0.002	-0.53	-0.557	51.707
2261_2261	2261	2261	152.807	-1.281	0.002	-0.526	0.557	-51.7
2261_2262	2261	2262	-156.533	23.816	-0.002	0.526	-0.577	-86.929
2262_2262	2262	2262	156.553	22.988	0.026	-0.016	0.577	86.838
2262_2263	2262	2263	-159.152	1.959	-0.026	0.016	-0.908	48.783
2263_2263	2263	2263	159.15	-1.959	0.026	0.018	0.908	-48.784
2263_2264	2263	2264	-161.573	25.21	-0.026	-0.018	-1.216	-108.353
2264_2264	2264	2264	161.604	23.324	-0.038	0.164	1.216	108.631
2264_2265	2264	2265	-161.841	1.93	0.038	-0.164	-0.728	27.826
2265_2265	2265	2265	162.044	-1.93	-0.038	-0.202	0.747	-28.183
2265_2266	2265	2266	-162.26	25.209	0.038	0.202	-0.302	-131.876
2266_2266	2266	2266	162.294	26.217	0.036	0	0.302	131.739
2266_2267	2266	2267	-137.122	-5.638	-0.036	0	-0.672	2.548
2267_2267	2267	2267	137.128	5.638	0.036	-0.039	0.672	-2.547
2267_2268	2267	2268	-114.345	12.988	-0.036	0.039	-1.007	-60.655
2268_2268	2268	2268	64.577	22.819	-0.07	-0.005	0.996	141.854
2268_2269	2268	2269	-77.358	-0.592	0.07	0.005	-0.225	1.973
2269_2269	2269	2269	77.366	0.592	-0.07	-0.017	0.225	-1.976
2269_2270	2269	2270	-92.644	25.979	0.07	0.017	0.701	-148.993
2270_2270	2270	2270	92.661	34.653	0.029	-0.019	-0.701	149.098
2270_2271	2270	2271	-57.758	-11.211	-0.029	0.019	0.365	81.883
2271_2271	2271	2271	57.786	11.209	0.029	-0.019	-0.365	-81.903
2271_2272	2271	2272	-19.765	14.329	-0.029	0.019	0	22.014
2372_2372	2372	2372	17.993	10.147	-0.137	-0.038	0	-23.92
2372_2373	2372	2373	-50.129	8.312	0.137	0.038	1.69	70.442
2373_2373	2373	2373	50.129	-8.312	-0.137	0.019	-1.69	-70.442
2373_2374	2373	2374	-81.546	26.358	0.137	-0.019	3.341	-104.519
2374_2374	2374	2374	81.501	20.213	0.103	-0.003	-3.341	103.896
2374_2375	2374	2375	-72.88	-1.968	-0.103	0.003	2.089	22.194
2375_2375	2375	2375	72.88	1.968	0.103	0.005	-2.089	-22.194
2375_2376	2375	2376	-65.363	13.938	-0.103	-0.005	0.997	-49.657
2376_2376	2376	2376	65.349	15.264	0.14	0.161	-0.997	49.573
2376_2377	2376	2377	-65.936	1.507	-0.14	-0.161	-0.577	27.994
2377_2377	2377	2377	65.934	-1.507	0.139	-0.166	0.577	-27.997
2377_2378	2377	2378	-66.487	17.317	-0.139	0.166	-2.049	-71.245
2378_2378	2378	2378	66.491	18.143	-0.048	0.011	2.049	71.233
2378_2379	2378	2379	-67.025	1.262	0.048	-0.011	-1.428	38.345
2379_2379	2379	2379	67.025	-1.262	-0.048	-0.017	1.428	-38.346
2379_2380	2379	2380	-67.488	18.082	0.048	0.017	-0.889	-70.568
2380_2380	2380	2380	67.635	15.123	-0.092	0.007	0.885	70.414
2380_2381	2380	2381	-69.783	1.313	0.092	-0.007	0.131	7.978
2381_2381	2381	2381	69.78	-1.313	-0.093	-0.028	-0.131	-7.978
2381_2382	2381	2382	-71.702	16.02	0.093	0.028	1.047	-75.151
2382_2382	2382	2382	71.712	18.074	0.035	-0.017	-1.047	74.753
2382_2383	2382	2383	-62.849	0.573	-0.035	0.017	0.616	23.794
2383_2383	2383	2383	62.849	-0.573	0.035	-0.008	-0.616	-23.794
2383_2384	2383	2384	-54.894	17.309	-0.035	0.008	0.229	-85.914
2384_2384	2384	2384	77.635	17.941	0	-0.026	-0.052	49.16

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2384_2385	2384	2385	-66.765	-1.78	0	0.026	0.051	45.751
2385_2385	2385	2385	66.766	1.78	0	0.017	-0.051	-45.751
2385_2386	2385	2386	-54.778	16.043	0	-0.017	0.048	-53.968
2386_2386	2386	2386	54.859	18.404	-0.002	0.253	-0.046	53.765
2386_2387	2386	2387	-56.52	-0.067	0.002	-0.253	0.068	63.365
2387_2387	2387	2387	56.507	0.067	-0.003	-0.248	-0.068	-63.37
2387_2388	2387	2388	-58.125	17.791	0.003	0.248	0.099	-40.664
2388_2388	2388	2388	58.123	18.555	0.008	-0.019	-0.099	40.733
2388_2389	2388	2389	-57.529	0.795	-0.008	0.019	-0.01	75.087
2389_2389	2389	2389	57.53	-0.795	0.008	0.054	0.01	-75.086
2389_2390	2389	2390	-57.013	17.632	-0.008	-0.054	-0.105	-29.725
2390_2390	2390	2390	57.005	18.264	0.001	0.319	0.105	29.745
2390_2391	2390	2391	-57.267	1.568	-0.001	-0.319	-0.12	82.693
2391_2391	2391	2391	57.26	-1.568	0	-0.337	0.12	-82.696
2391_2392	2391	2392	-57.476	17.935	0	0.337	-0.124	-24.432
2392_2392	2392	2392	57.497	17.907	0.004	0.019	0.124	24.132
2392_2393	2392	2393	-58.393	1.205	-0.004	-0.019	-0.169	84.786
2393_2393	2393	2393	58.393	-1.205	0.004	0.037	0.169	-84.786
2393_2394	2393	2394	-59.194	18.273	-0.004	-0.037	-0.21	-26.31
2394_2394	2394	2394	59.175	17.98	0.013	0.425	0.21	26.628
2394_2395	2394	2395	-59.883	-0.392	-0.013	-0.425	-0.364	83.088
2395_2395	2395	2395	59.888	0.392	0.012	-0.345	0.364	-83.089
2395_2396	2395	2396	-60.638	18.221	-0.012	0.345	-0.517	-28.171
2396_2396	2396	2396	60.651	16.728	-0.035	0.039	0.517	28.004
2396_2397	2396	2397	-64.681	1.26	0.035	-0.039	-0.098	70.096
2397_2397	2397	2397	64.682	-1.26	-0.035	0.02	0.098	-70.096
2397_2398	2397	2398	-68.76	19.463	0.035	-0.02	0.327	-52.932
2398_2398	2398	2398	68.77	19.349	0.156	0.187	-0.327	52.92
2398_2399	2398	2399	-68.019	-0.422	-0.156	-0.187	-1.671	72.004
2399_2399	2399	2399	68.023	0.422	0.156	-0.14	1.671	-72.001
2399_2400	2399	2400	-67.274	18.454	-0.156	0.14	-3.659	-44.194
2400_2400	2400	2400	67.281	19.308	-0.249	0.037	3.659	44.292
2400_2401	2400	2401	-18.36	2.435	0.249	-0.037	0	24.607
2572_2572	2572	2572	17.833	10.218	-0.151	-0.012	0	-23.902
2572_2573	2572	2573	-50.228	8.261	0.151	0.012	1.864	71.518
2573_2573	2573	2573	50.228	-8.261	-0.151	0.004	-1.864	-71.518
2573_2574	2573	2574	-81.637	26.177	0.151	-0.004	3.672	-100.516
2574_2574	2574	2574	81.668	19.984	0.146	0.002	-3.672	100.994
2574_2575	2574	2575	-72.948	-2.021	-0.146	-0.002	1.912	21.697
2575_2575	2575	2575	72.948	2.021	0.146	-0.006	-1.912	-21.697
2575_2576	2575	2576	-65.303	13.726	-0.146	0.006	0.369	-48.383
2576_2576	2576	2576	65.288	15.292	0.092	0.164	-0.369	48.211
2576_2577	2576	2577	-65.677	1.53	-0.092	-0.164	-0.669	29.555
2577_2577	2577	2577	65.675	-1.53	0.092	-0.169	0.669	-29.558
2577_2578	2577	2578	-66.046	17.603	-0.092	0.169	-1.661	-73.077
2578_2578	2578	2578	66.034	18.022	-0.028	-0.016	1.661	73.09
2578_2579	2578	2579	-67.049	1.195	0.028	0.016	-1.299	35.512
2579_2579	2579	2579	67.05	-1.195	-0.028	0.015	1.299	-35.511
2579_2580	2579	2580	-67.942	18.094	0.028	-0.015	-0.98	-73.226
2580_2580	2580	2580	68.089	15.299	-0.105	-0.002	0.978	73.261
2580_2581	2580	2581	-69.171	1.087	0.105	0.002	0.173	6.25
2581_2581	2581	2581	69.169	-1.087	-0.105	-0.019	-0.173	-6.25
2581_2582	2581	2582	-70.137	15.739	0.105	0.019	1.202	-74.833

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2582_2582	2582	2582	70.093	18.22	0.05	-0.01	-1.202	75.123
2582_2583	2582	2583	-61.037	0.204	-0.05	0.01	0.581	24.853
2583_2583	2583	2583	61.037	-0.204	0.05	-0.004	-0.581	-24.853
2583_2584	2583	2584	-52.777	17.008	-0.05	0.004	0.015	-82.054
2584_2584	2584	2584	74.986	17.81	-0.005	-0.011	0.016	46.22
2584_2585	2584	2585	-65.065	-1.703	0.005	0.011	0.04	48.218
2585_2585	2585	2585	65.065	1.703	-0.005	0.006	-0.04	-48.218
2585_2586	2585	2586	-54.118	16.068	0.005	-0.006	0.102	-50.736
2586_2586	2586	2586	54.196	18.343	0.001	0.28	-0.095	50.969
2586_2587	2586	2587	-56.334	-0.212	-0.001	-0.28	0.086	65.733
2587_2587	2587	2587	56.324	0.212	0.001	-0.269	-0.086	-65.739
2587_2588	2587	2588	-58.442	17.746	-0.001	0.269	0.075	-37.356
2588_2588	2588	2588	58.44	18.458	0.007	0.035	-0.075	37.443
2588_2589	2588	2589	-58.118	0.73	-0.007	-0.035	-0.018	77.397
2589_2589	2589	2589	58.118	-0.73	0.007	-0.006	0.018	-77.397
2589_2590	2589	2590	-57.834	17.623	-0.007	0.006	-0.099	-27.173
2590_2590	2590	2590	57.834	18.198	0.001	0.295	0.099	27.099
2590_2591	2590	2591	-58.332	1.522	-0.001	-0.295	-0.114	84.768
2591_2591	2591	2591	58.327	-1.522	0.001	-0.305	0.114	-84.771
2591_2592	2591	2592	-58.741	17.878	-0.001	0.305	-0.128	-21.555
2592_2592	2592	2592	58.723	17.757	0.007	0.052	0.128	22.071
2592_2593	2592	2593	-59.883	1.118	-0.007	-0.052	-0.213	85.356
2593_2593	2593	2593	59.883	-1.118	0.007	0	0.213	-85.357
2593_2594	2593	2594	-60.941	18.332	-0.007	0	-0.29	-26.3
2594_2594	2594	2594	60.973	17.946	-0.005	0.481	0.29	25.625
2594_2595	2594	2595	-61.291	-0.368	0.005	-0.481	-0.233	83.369
2595_2595	2595	2595	61.296	0.368	-0.005	-0.401	0.233	-83.37
2595_2596	2595	2596	-61.63	18.134	0.005	0.401	-0.176	-27.154
2596_2596	2596	2596	61.636	16.469	0.033	0.038	0.176	27.134
2596_2597	2596	2597	-66.498	1.494	-0.033	-0.038	-0.578	68.476
2597_2597	2597	2597	66.498	-1.494	0.033	0.018	0.578	-68.476
2597_2598	2597	2598	-71.403	19.612	-0.033	-0.018	-0.983	-55.666
2598_2598	2598	2598	71.437	19.767	-0.087	0.215	0.983	55.402
2598_2599	2598	2599	-67.397	-0.896	0.087	-0.215	0.127	72.304
2599_2599	2599	2599	67.398	0.896	-0.087	-0.166	-0.127	-72.301
2599_2600	2599	2600	-63.368	17.926	0.087	0.166	1.233	-39.713
2600_2600	2600	2600	63.347	18.639	0.108	0.012	-1.233	39.498
2600_2601	2600	2601	-18.112	-1.758	-0.108	-0.012	0	24.611
3000_3000	3000	3000	67.006	456.281	-0.386	2.722	0	-322.668
3000_3001	3000	3001	-52.239	-412.783	0.386	-2.722	5.761	6736.893
3001_3001	3001	3001	52.24	412.783	-0.391	-4.696	-5.761	-6736.9
3001_3002	3001	3002	-41.947	-382.466	0.391	4.696	9.827	10823.8
3002_3002	3002	3002	41.931	325.348	1.138	11.323	-9.827	-10824
3002_3003	3002	3003	-32.518	-289.888	-1.138	-11.323	-4.007	14522.08
3003_3003	3003	3003	32.516	289.888	1.13	-12.889	4.007	-14522.1
3003_3004	3003	3004	-23.098	-254.405	-1.13	12.889	-17.76	17790.83
3004_3004	3004	3004	23.105	211.885	0.414	8.077	17.76	-17791.2
3004_3005	3004	3005	-16.448	-176.411	-0.414	-8.077	-22.8	20123.12
3005_3005	3005	3005	16.448	176.411	0.41	-9.769	22.8	-20123.1
3005_3006	3005	3006	-9.787	-140.911	-0.41	9.769	-27.796	22024.65
3006_3006	3006	3006	9.777	97.735	-0.104	18.72	27.796	-22025
3006_3007	3006	3007	-6.317	-62.267	0.104	-18.72	-26.527	22982.81
3007_3007	3007	3007	6.317	62.267	-0.112	-19.802	26.527	-22982.8

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3007_3008	3007	3008	-2.855	-26.778	0.112	19.802	-25.17	23509.45
3008_3008	3008	3008	2.867	-15.93	0.654	8.746	25.17	-23510.1
3008_3009	3008	3009	-2.757	51.413	-0.654	-8.746	-33.127	23100.69
3009_3009	3009	3009	2.757	-51.413	0.651	-9.474	33.127	-23100.7
3009_3010	3009	3010	-2.647	86.892	-0.651	9.474	-41.042	22259.62
3010_3010	3010	3010	2.64	-130.002	-0.223	16.105	41.042	-22260
3010_3011	3010	3011	-5.614	165.477	0.223	-16.105	-38.334	20477.2
3011_3011	3011	3011	5.613	-165.477	-0.229	-16.083	38.334	-20477.2
3011_3012	3011	3012	-8.586	200.946	0.229	16.083	-35.544	18263.29
3012_3012	3012	3012	8.584	-243.244	0.045	5.984	35.544	-18263.7
3012_3013	3012	3013	-14.231	278.735	-0.045	-5.984	-36.093	15114.18
3013_3013	3013	3013	14.231	-278.735	0.042	-5.765	36.093	-15114.2
3013_3014	3013	3014	-19.877	314.222	-0.042	5.765	-36.6	11533.08
3014_3014	3014	3014	19.879	-355.574	0.202	3.745	36.6	-11533.3
3014_3015	3014	3015	-27.024	403.559	-0.202	-3.745	-39.93	5321.483
3015_3015	3015	3015	25.558	-402.411	0.171	-3.081	39.672	-5275.06
3015_3016	3015	3016	-30.957	424.858	-0.171	3.083	-41.079	1881.684
3016_3016	3016	3016	70.566	-472.599	1.171	-1.306	47.21	-2026.7
3016_3017	3016	3017	-81.494	504.707	-1.171	1.289	-60.979	-3675.22
3017_3017	3017	3017	96.023	-502.389	1.165	1.356	61.183	3673.023
3017_3018	3017	3018	-106.391	541.29	-1.165	-1.385	-76.654	-10552.6
3018_3018	3018	3018	125.83	-587.647	0.289	-12.841	75.581	10552.95
3018_3019	3018	3019	-134.676	626.227	-0.289	12.891	-79.203	-18122.6
3019_3019	3019	3019	151.869	-622.831	0.282	13.505	82.166	18123.41
3019_3020	3019	3020	-159.287	663.897	-0.282	-13.449	-85.705	-26173.7
3020_3020	3020	3020	-2416.25	206.426	-10.527	-5.233	254.889	5458.542
3020_3021	3020	3021	2416.226	-179.87	10.527	5.233	-154.951	-3624.84
3021_3021	3021	3021	-2416.32	179.87	-5.745	1.939	153.353	3625.264
3021_3022	3021	3022	2416.312	-160.293	5.745	-1.939	-108.815	-2306.79
3022_3022	3022	3022	-2416.31	160.293	-5.745	1.939	108.815	2306.787
3022_3023	3022	3023	2416.3	-140.716	5.745	-1.939	-64.277	-1140.08
3023_3023	3023	3023	-2416.34	93.83	-9.037	-0.353	64.277	1140.125
3023_3024	3023	3024	2416.042	-73.623	9.037	0.353	8.038	-469.027
3024_3024	3024	3024	-2416.04	73.623	-9.037	-0.353	-8.038	469.027
3024_3025	3024	3025	2415.744	-53.415	9.037	0.353	80.353	40.365
3025_3025	3025	3025	-2415.75	53.415	-6.323	-0.32	-80.353	-40.365
3025_3026	3025	3026	2415.455	-33.235	6.323	0.32	130.881	387.686
3026_3026	3026	3026	-2415.44	-13.199	-5.21	-0.216	-130.881	-387.766
3026_3027	3026	3027	2414.671	28.354	5.21	0.216	162.144	266.099
3027_3027	3027	3027	-2414.68	-28.354	-1.179	-0.55	-162.144	-266.098
3027_3028	3027	3028	2413.909	43.506	1.179	0.55	169.221	53.529
3028_3028	3028	3028	-2413.91	-43.506	-1.179	-0.55	-169.221	-53.529
3028_3029	3028	3029	2413.142	58.658	1.179	0.55	176.298	-249.952
3029_3029	3029	3029	-2413.14	-58.658	2.852	-0.043	-176.298	249.953
3029_3030	3029	3030	2412.374	73.807	-2.852	0.043	159.189	-644.274
3030_3030	3030	3030	-2412.38	-120.633	1.711	-2.818	-159.189	644.231
3030_3031	3030	3031	2410.622	140.859	-1.711	2.818	145.483	-1684.42
3031_3031	3031	3031	-2410.62	-140.859	4.436	-0.883	-145.483	1684.419
3031_3032	3031	3032	2408.864	161.056	-4.436	0.883	110.005	-2884.84
3032_3032	3032	3032	-2408.86	-161.056	7.461	2.746	-110.005	2884.838
3032_3033	3032	3033	2407.103	181.252	-7.461	-2.746	50.34	-4246.63
3033_3033	3033	3033	-2407.11	-229.991	4.316	-9.756	-50.34	4246.762
3033_3034	3033	3034	2404.942	249.553	-4.316	9.756	16.91	-6095.49

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3034_3034	3034	3034	-2404.92	-249.553	10.859	6.675	-16.91	6095.499
3034_3035	3034	3035	2402.751	269.135	-10.859	-6.675	-67.294	-8097.92
3035_3035	3035	3035	-2403.8	-269.147	9.557	2.095	68.145	8102.97
3035_3036	3035	3036	2401.257	295.727	-9.557	-2.095	-158.963	-10776.8
3036_3036	3036	3036	164.837	553.016	0.594	-12.246	-12.356	32945.58
3036_3037	3036	3037	-160.559	-511.949	-0.594	12.276	4.885	-26283.2
3037_3037	3037	3037	146.383	515.346	0.573	10.559	-7.248	26282.45
3037_3038	3037	3038	-141.661	-476.738	-0.573	-10.532	0.057	-20091.6
3038_3038	3038	3038	125.707	436.619	-0.165	-4.309	1.148	20091.97
3038_3039	3038	3039	-120.794	-397.705	0.165	4.306	1.042	-14587
3039_3039	3039	3039	655.032	393.126	-0.482	3.094	9.664	11658.74
3039_3040	3039	3040	-658.406	-361.133	0.482	-3.103	-3.999	-7328.84
3040_3040	3040	3040	650.312	312.524	0.293	0.622	4.127	7330.157
3040_3041	3040	3041	-630.549	-290.485	-0.293	-0.628	-6.548	-4961.16
3041_3041	3041	3041	716.536	293.154	0.116	-0.71	7.888	4525.882
3041_3042	3041	3042	-638.407	-254.833	-0.116	0.71	-9.744	-491.859
3042_3042	3042	3042	638.411	209.382	0.017	2.4	9.744	491.888
3042_3043	3042	3043	-583.414	-180.773	-0.017	-2.4	-9.943	1591.369
3043_3043	3043	3043	583.413	180.773	-0.011	-2.823	9.943	-1591.37
3043_3044	3043	3044	-528.42	-152.166	0.011	2.823	-9.816	3332.532
3044_3044	3044	3044	528.435	112.096	0.1	6.786	9.816	-3332.61
3044_3045	3044	3045	-475.746	-83.49	-0.1	-6.786	-11.013	4261.619
3045_3045	3045	3045	475.746	83.49	0.043	-6.888	11.013	-4261.62
3045_3046	3045	3046	-423.021	-54.865	-0.043	6.888	-11.531	4849.037
3046_3046	3046	3046	423.028	14.5	-0.056	0.369	11.531	-4849.13
3046_3047	3046	3047	-373.151	14.097	0.056	-0.369	-10.865	4622.932
3047_3047	3047	3047	373.151	-14.097	-0.058	-0.115	10.865	-4622.93
3047_3048	3047	3048	-323.232	42.718	0.058	0.115	-10.172	4054.421
3048_3048	3048	3048	323.24	-83.448	0.027	0.145	10.172	-4054.51
3048_3049	3048	3049	-275.852	112.063	-0.027	-0.145	-10.492	2666.928
3049_3049	3049	3049	275.852	-112.063	0.029	0.421	10.492	-2666.93
3049_3050	3049	3050	-228.503	140.655	-0.029	-0.421	-10.837	938.797
3050_3050	3050	3050	228.498	-182.767	-0.24	0.11	10.837	-938.802
3050_3051	3050	3051	-167.106	221.051	0.24	-0.11	-6.996	-2575.88
3051_3051	3051	3051	166.29	-219.322	-0.259	1.188	6.866	2593.138
3051_3052	3051	3052	-136.564	239.734	0.259	-1.189	-4.727	-4627.61
3052_3052	3052	3052	143.468	-284.917	0.715	-1.583	4.663	4628.443
3052_3053	3052	3053	-108.204	314.389	-0.715	1.582	-13.071	-8339.11
3053_3053	3053	3053	105.234	-311.65	0.578	4.134	17.969	8403.563
3053_3054	3053	3054	-86.438	349.382	-0.578	-4.13	-25.641	-12928.3
3054_3054	3054	3054	100.529	-391.827	0.709	-14.261	24.157	12930.52
3054_3055	3054	3055	-95.482	429.064	-0.709	14.29	-33.048	-18178.7
3055_3055	3055	3055	107.497	-425.014	0.656	16.338	36.361	18181.81
3055_3056	3055	3056	-111.196	464.425	-0.656	-16.306	-44.613	-23846.3
3056_3056	3056	3056	-1972.49	269.472	-7.748	-3.896	145.184	7545.481
3056_3057	3056	3057	1981.697	-243.717	7.748	3.896	-71.564	-5149.32
3057_3057	3057	3057	-1983.3	243.716	-4.975	3.501	72.134	5119.251
3057_3058	3057	3058	1990.858	-223.177	4.975	-3.501	-33.59	-3345.03
3058_3058	3058	3058	-1990.86	223.177	-4.975	3.501	33.59	3345.034
3058_3059	3058	3059	1998.419	-202.639	4.975	-3.501	4.954	-1729.94
3059_3059	3059	3059	-1998.44	156.846	-7.918	-0.578	-4.954	1729.966
3059_3060	3059	3060	2005.8	-135.618	7.918	0.578	68.356	-592.681
3060_3060	3060	3060	-2005.81	135.618	-5.391	0.996	-68.356	592.679

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3060_3061	3060	3061	2013.156	-114.418	5.391	-0.996	111.469	373.45
3061_3061	3061	3061	-2013.16	114.418	-5.391	0.996	-111.469	-373.45
3061_3062	3061	3062	2020.504	-93.218	5.391	-0.996	154.581	1170.044
3062_3062	3062	3062	-2020.49	48.848	-0.031	0.636	-154.581	-1170.1
3062_3063	3062	3063	2025.501	-32.936	0.031	-0.636	154.765	1392.318
3063_3063	3063	3063	-2025.5	32.936	-0.031	0.636	-154.765	-1392.32
3063_3064	3063	3064	2030.508	-17.025	0.031	-0.636	154.948	1519.031
3064_3064	3064	3064	-2030.51	17.025	-0.031	0.636	-154.948	-1519.03
3064_3065	3064	3065	2035.516	-1.113	0.031	-0.636	155.132	1550.243
3065_3065	3065	3065	-2035.51	1.113	3.353	-0.062	-155.132	-1550.24
3065_3066	3065	3066	2040.511	14.77	-3.353	0.062	135.043	1486.153
3066_3066	3066	3066	-2040.51	-59.3	4.815	-0.474	-135.043	-1486.25
3066_3067	3066	3067	2046.47	80.521	-4.815	0.474	96.501	898.522
3067_3067	3067	3067	-2046.47	-80.521	4.815	-0.474	-96.501	-898.522
3067_3068	3067	3068	2052.433	101.742	-4.815	0.474	57.96	140.919
3068_3068	3068	3068	-2052.42	-101.742	10.065	2.359	-57.96	-140.922
3068_3069	3068	3069	2058.369	122.934	-10.065	-2.359	-22.497	-785.144
3069_3069	3069	3069	-2058.39	-167.425	4.913	-5.571	22.497	785.155
3069_3070	3069	3070	2064.121	187.98	-4.913	5.571	-60.593	-2190.22
3070_3070	3070	3070	-2064.11	-187.98	7.543	-1.146	60.593	2190.22
3070_3071	3070	3071	2069.831	208.507	-7.543	1.146	-119.001	-3752.42
3071_3071	3071	3071	-2066.71	-208.505	10.452	6.011	121.245	3776.688
3071_3072	3071	3072	2073.559	234.269	-10.452	-6.011	-220.593	-5913.72
3072_3072	3072	3072	66.942	502.941	-0.241	-6.731	34.689	21841.5
3072_3073	3072	3073	-34.201	-463.924	0.241	6.771	-31.662	-15840.8
3073_3073	3073	3073	21.308	467.971	-0.265	7.618	30.059	15838.8
3073_3074	3073	3074	12.737	-431.216	0.265	-7.582	-26.738	-10269.5
3074_3074	3074	3074	-27.413	393.256	-0.508	0.417	27.347	10268.67
3074_3075	3074	3075	56.7	-355.958	0.508	-0.413	-20.598	-5337.63
3075_3075	3075	3075	441.852	352.469	-0.923	-0.031	14.947	2603.812
3075_3076	3075	3076	-441.778	-324.002	0.923	0.025	-4.089	1315.085
3076_3076	3076	3076	434.436	279.651	0.644	6.968	4.005	-1314.33
3076_3077	3076	3077	-423.637	-259.999	-0.644	-6.969	-9.31	3476.009
3077_3077	3077	3077	390.807	262.619	0.605	-6.609	10.489	-3443.08
3077_3078	3077	3078	-360.183	-225.832	-0.605	6.609	-19.288	6852.653
3078_3078	3078	3078	360.181	186.71	-0.149	-0.153	19.288	-6852.81
3078_3079	3078	3079	-337.716	-158.306	0.149	0.153	-17.617	8685.002
3079_3079	3079	3079	337.716	158.306	-0.149	-0.153	17.617	-8685
3079_3080	3079	3080	-315.251	-129.902	0.149	0.153	-15.946	10198.14
3080_3080	3080	3080	315.251	94.202	-0.171	5.457	15.946	-10198.3
3080_3081	3080	3081	-294.95	-65.775	0.171	-5.457	-14.023	11001.08
3081_3081	3081	3081	294.95	65.775	-0.195	-5.542	14.023	-11001.1
3081_3082	3081	3082	-274.667	-37.375	0.195	5.542	-11.833	11483.98
3082_3082	3082	3082	274.669	-1.032	0.01	5.582	11.833	-11484.2
3082_3083	3082	3083	-255.402	31.556	-0.01	-5.582	-11.957	11194.68
3083_3083	3083	3083	255.402	-31.556	-0.014	-5.357	11.957	-11194.7
3083_3084	3083	3084	-236.119	62.104	0.014	5.357	-11.787	10536.05
3084_3084	3084	3084	236.122	-100.552	-0.011	5.016	11.787	-10536.2
3084_3085	3084	3085	-220.564	128.948	0.011	-5.016	-11.66	9171.344
3085_3085	3085	3085	220.564	-128.948	-0.037	-4.418	11.66	-9171.34
3085_3086	3085	3086	-204.992	157.367	0.037	4.418	-11.239	7486.012
3086_3086	3086	3086	204.995	-194.328	-0.16	2.82	11.239	-7486.18
3086_3087	3086	3087	-191.68	222.746	0.16	-2.82	-9.446	5075.822

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3087_3087	3087	3087	191.679	-222.746	-0.184	-2.029	9.446	-5075.82
3087_3088	3087	3088	-178.376	251.138	0.184	2.029	-7.384	2348.751
3088_3088	3088	3088	178.376	-288.606	-0.186	-0.297	7.384	-2348.78
3088_3089	3088	3089	-163.646	323.98	0.186	0.297	-4.787	-2011.53
3089_3089	3089	3089	166.752	-322.23	-0.203	1.252	4.836	2062.353
3089_3090	3089	3090	-157.964	343.058	0.203	-1.253	-3.159	-4851.95
3090_3090	3090	3090	166.781	-383.601	0.018	-4.511	2.999	4852.576
3090_3091	3090	3091	-157.334	413.569	-0.018	4.502	-3.207	-9592.68
3091_3091	3091	3091	157.465	-409.726	-0.182	4.372	5.68	9655.789
3091_3092	3091	3092	-153.057	446.77	0.182	-4.381	-3.271	-15381.9
3092_3092	3092	3092	169.689	-488.419	0.893	-8.169	2.282	15383.76
3092_3093	3092	3093	-170.475	525.075	-0.893	8.192	-13.488	-21771.7
3093_3093	3093	3093	185.032	-519.975	0.87	8.896	15.302	21774.45
3093_3094	3093	3094	-188.878	558.84	-0.87	-8.87	-26.244	-28577.9
3094_3094	3094	3094	-2231.75	239.159	-4.124	-7.756	10.98	8109.404
3094_3095	3094	3095	2236.455	-213.844	4.124	7.756	28.218	-5977.5
3095_3095	3095	3095	-2238.32	213.855	0.828	5.537	-28.209	5986.571
3095_3096	3095	3096	2241.975	-193.822	-0.828	-5.537	21.798	-4424.42
3096_3096	3096	3096	-2241.98	193.822	0.915	5.713	-21.798	4424.418
3096_3097	3096	3097	2245.632	-173.764	-0.915	-5.713	14.704	-3015.66
3097_3097	3097	3097	-2245.65	129.877	-2.826	-2.169	-14.704	3015.715
3097_3098	3097	3098	2249.094	-109.172	2.826	2.169	37.318	-2074.54
3098_3098	3098	3098	-2249.1	109.172	0.057	0.944	-37.318	2074.54
3098_3099	3098	3099	2252.533	-88.494	-0.057	-0.944	36.863	-1299.96
3099_3099	3099	3099	-2252.53	88.494	0.135	1.004	-36.863	1299.955
3099_3100	3099	3100	2255.976	-67.79	-0.135	-1.004	35.784	-689.986
3100_3100	3100	3100	-2255.93	24.788	8.748	4.594	-35.784	689.96
3100_3101	3100	3101	2258.04	-9.261	-8.748	-4.594	-16.72	-597.427
3101_3101	3101	3101	-2258.04	9.261	8.748	4.594	16.72	597.427
3101_3102	3101	3102	2260.15	6.267	-8.748	-4.594	-69.224	-598.088
3102_3102	3102	3102	-2260.14	-6.267	-11.117	-5.845	69.224	598.086
3102_3103	3102	3103	2262.248	21.772	11.117	5.845	-2.594	-691.742
3103_3103	3103	3103	-2262.26	-21.772	-7.04	-3.484	2.594	691.748
3103_3104	3103	3104	2264.374	37.303	7.04	3.484	39.666	-878.709
3104_3104	3104	3104	-2264.37	-80.373	-1.494	-1.952	-39.666	878.712
3104_3105	3104	3105	2266.527	101.08	1.494	1.952	51.622	-1615.1
3105_3105	3105	3105	-2266.53	-101.08	1.377	0.916	-51.622	1615.102
3105_3106	3105	3106	2268.682	121.76	-1.377	-0.916	40.615	-2515.96
3106_3106	3106	3106	-2268.68	-121.76	1.466	1.04	-40.615	2515.962
3106_3107	3106	3107	2270.839	142.466	-1.466	-1.04	28.882	-3583.57
3107_3107	3107	3107	-2270.84	-185.812	0.855	-3.353	-28.882	3583.624
3107_3108	3107	3108	2272.705	205.87	-0.855	3.353	22.252	-5111.07
3108_3108	3108	3108	-2272.71	-205.87	0.768	-3.572	-22.252	5111.073
3108_3109	3108	3109	2274.566	225.903	-0.768	3.572	16.302	-6791.77
3109_3109	3109	3109	-2274.99	-225.905	3.219	4.588	-17.211	6793.87
3109_3110	3109	3110	2277.374	251.218	-3.219	-4.588	-13.381	-9072.63
3110_3110	3110	3110	175.442	541.888	-0.716	-20.513	30.002	29761.61
3110_3111	3110	3111	-158.747	-503.189	0.716	20.555	-21.002	-23237.6
3111_3111	3111	3111	144.733	508.47	-0.781	19.436	16.794	23235.56
3111_3112	3111	3112	-126.562	-472.016	0.781	-19.4	-6.989	-17130.8
3112_3112	3112	3112	110.813	435.815	-0.018	-3.338	8.907	17130.02
3112_3113	3112	3113	-93.752	-398.936	0.018	3.323	-8.663	-11625.5
3113_3113	3113	3113	530.161	397.777	-0.35	3.416	16.913	9220.531

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3113_3114	3113	3114	-530.087	-368.002	0.35	-3.429	-12.801	-4797.94
3114_3114	3114	3114	521.78	324.956	-0.139	-0.142	12.894	4798.825
3114_3115	3114	3115	-506.709	-304.363	0.139	0.139	-11.748	-2285.82
3115_3115	3115	3115	562.823	307.043	-0.162	-0.25	11.735	1833.854
3115_3116	3115	3116	-511.733	-272.896	0.162	0.25	-9.389	2134.507
3116_3116	3116	3116	511.729	233.877	-0.045	6.973	9.389	-2134.5
3116_3117	3116	3117	-474.398	-207.409	0.045	-6.973	-8.879	4441.241
3117_3117	3117	3117	474.398	207.409	-0.114	-7.309	8.879	-4441.24
3117_3118	3117	3118	-437.101	-180.965	0.114	7.309	-7.602	6448.71
3118_3118	3118	3118	437.106	146.147	-0.011	9.455	7.602	-6448.75
3118_3119	3118	3119	-401.887	-119.703	0.011	-9.455	-7.484	7776.757
3119_3119	3119	3119	401.887	119.703	-0.079	-9.544	7.484	-7776.76
3119_3120	3119	3120	-366.669	-93.26	0.079	9.544	-6.592	8807.734
3120_3120	3120	3120	366.663	55.92	-0.179	4.741	6.592	-8807.7
3120_3121	3120	3121	-331.756	-27.499	0.179	-4.741	-4.433	9146.411
3121_3121	3121	3121	331.756	27.499	-0.211	-4.597	4.433	-9146.41
3121_3122	3121	3122	-296.848	0.921	0.211	4.597	-1.888	9142.056
3122_3122	3122	3122	296.848	-38.753	-0.101	4.598	1.888	-9142.05
3122_3123	3122	3123	-267.212	65.195	0.101	-4.598	-0.751	8417.126
3123_3123	3123	3123	267.212	-65.195	-0.136	-4.226	0.751	-8417.13
3123_3124	3123	3124	-237.549	91.661	0.136	4.226	0.777	7394.205
3124_3124	3124	3124	237.55	-128.778	-0.216	5.932	-0.777	-7394.21
3124_3125	3124	3125	-210.895	155.22	0.216	-5.932	3.202	5671.049
3125_3125	3125	3125	210.895	-155.22	-0.285	-5.432	-3.202	-5671.05
3125_3126	3125	3126	-184.241	181.661	0.285	5.432	6.401	3650.973
3126_3126	3126	3126	184.234	-219.886	-0.062	0.292	-6.401	-3650.98
3126_3127	3126	3127	-154.007	252.401	0.062	-0.292	7.256	242.364
3127_3127	3127	3127	157.743	-250.525	-0.103	0.134	-7.221	-201.603
3127_3128	3127	3128	-139.275	269.462	0.103	-0.134	8.073	-2031.84
3128_3128	3128	3128	146.705	-313.695	-0.352	-4.853	-8.239	2032.491
3128_3129	3128	3129	-128.503	341.003	0.352	4.843	12.375	-5987.58
3129_3129	3129	3129	132.306	-336.275	0.178	9.469	-11.415	6020.6
3129_3130	3129	3130	-127.156	372.082	-0.178	-9.513	9.053	-10796.5
3130_3130	3130	3130	141.753	-413.158	-0.038	-5.525	-10.152	10798.68
3130_3131	3130	3131	-145.33	448.563	0.038	5.664	10.645	-16254
3131_3131	3131	3131	161.415	-441.255	-0.067	6.943	-9.294	16258.3
3131_3132	3131	3132	-170.253	476.389	0.067	-6.789	10.098	-21690.6
3132_3132	3132	3132	-1959.23	218.416	25.274	14.915	-307.759	5686.215
3132_3133	3132	3133	1962.042	-191.885	-25.274	-14.915	47.438	-3586.82
3133_3133	3133	3133	-1969.73	191.883	22.625	9.779	-47.974	3624.24
3133_3134	3133	3134	1972.187	-173.632	-22.625	-9.779	-127.368	-2219.79
3134_3134	3134	3134	-1972.24	173.632	-2.09	-23.072	127.368	2219.708
3134_3135	3134	3135	1974.705	-155.309	2.09	23.072	-111.108	-951.985
3135_3135	3135	3135	-1974.9	114.775	-2.508	-0.177	111.108	952.404
3135_3136	3135	3136	1978.124	-95.933	2.508	0.177	-91.045	-124.434
3136_3136	3136	3136	-1978.12	95.933	-2.508	-0.177	91.045	124.434
3136_3137	3136	3137	1981.347	-77.091	2.508	0.177	-70.983	552.782
3137_3137	3137	3137	-1981.35	77.091	0.124	0.091	70.983	-552.782
3137_3138	3137	3138	1984.566	-58.273	-0.124	-0.091	-71.971	1078.671
3138_3138	3138	3138	-1984.54	17.509	-3.172	0.114	71.971	-1078.76
3138_3139	3138	3139	1986.371	-3.377	3.172	-0.114	-52.935	1132.479
3139_3139	3139	3139	-1986.37	3.377	-3.172	0.114	52.935	-1132.48
3139_3140	3139	3140	1988.202	10.754	3.172	-0.114	-33.898	1101.402

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3140_3140	3140	3140	-1988.2	-10.754	0.389	-0.233	33.898	-1101.4
3140_3141	3140	3141	1990.035	24.885	-0.389	0.233	-36.235	985.529
3141_3141	3141	3141	-1990.03	-24.885	-3.172	-0.139	36.235	-985.529
3141_3142	3141	3142	1991.864	39.017	3.172	0.139	-17.198	784.853
3142_3142	3142	3142	-1991.87	-80.982	-2.277	-0.033	17.198	-784.923
3142_3143	3142	3143	1993.458	99.824	2.277	0.033	1.019	53.034
3143_3143	3143	3143	-1993.46	-99.824	0.395	1.16	-1.019	-53.034
3143_3144	3143	3144	1995.051	118.665	-0.395	-1.16	-2.138	-829.591
3144_3144	3144	3144	-1995.05	-118.665	-2.277	-1.19	2.138	829.591
3144_3145	3144	3145	1996.641	137.507	2.277	1.19	16.079	-1862.99
3145_3145	3145	3145	-1996.65	-181.504	-2.282	1.799	-16.079	1862.999
3145_3146	3145	3146	1998.005	199.757	2.282	-1.799	33.765	-3348.25
3146_3146	3146	3146	-1998	-199.757	-5.039	-3.986	-33.765	3348.248
3146_3147	3146	3147	1999.357	218.01	5.039	3.986	72.825	-4975.01
3147_3147	3147	3147	-1986.76	-218.014	-2.925	2.134	-72.66	4913.547
3147_3148	3147	3148	1988.095	242.487	2.925	-2.134	100.452	-7109.01
3148_3148	3148	3148	170.676	463.116	-0.143	-0.42	-3.837	23801.79
3148_3149	3148	3149	-148.754	-425.681	0.143	0.442	5.633	-18254.1
3149_3149	3149	3149	136.821	431.878	-0.144	-0.026	-5.669	18251.65
3149_3150	3149	3150	-114.196	-396.671	0.144	0.046	7.471	-13091.5
3150_3150	3150	3150	100.363	359.553	-0.925	-0.212	-7.449	13090.01
3150_3151	3150	3151	-81.549	-323.938	0.925	0.195	19.729	-8572.39
3151_3151	3151	3151	609.202	321.839	-0.21	-0.274	-6.993	5687.124
3151_3152	3151	3152	-604.513	-293.694	0.21	0.279	9.459	-2169.17
3152_3152	3152	3152	597.763	248.589	0.281	-0.868	-9.454	2169.873
3152_3153	3152	3153	-578.353	-229.166	-0.281	0.864	7.137	-301.486
3153_3153	3153	3153	610.073	232.595	0.266	0.147	-6.868	134.446
3153_3154	3153	3154	-555.229	-201.24	-0.266	-0.147	3.211	2609.343
3154_3154	3154	3154	555.246	159.358	0.105	3.219	-3.211	-2609.34
3154_3155	3154	3155	-514.576	-134.256	-0.105	-3.219	2.053	4048.175
3155_3155	3155	3155	514.576	134.256	0.056	-3.376	-2.053	-4048.18
3155_3156	3155	3156	-473.907	-109.154	-0.056	3.376	1.432	5210.836
3156_3156	3156	3156	473.901	73.442	0.17	0.016	-1.432	-5210.85
3156_3157	3156	3157	-438.721	-50.599	-0.17	-0.016	-0.27	5678.503
3157_3157	3157	3157	438.721	50.599	0.17	0.016	0.27	-5678.5
3157_3158	3157	3158	-403.54	-27.757	-0.17	-0.016	-1.972	5917.474
3158_3158	3158	3158	403.54	-5.519	0.007	0.17	1.972	-5917.46
3158_3159	3158	3159	-370.693	28.361	-0.007	-0.17	-2.045	5603.929
3159_3159	3159	3159	370.693	-28.361	0.006	0.052	2.045	-5603.93
3159_3160	3159	3160	-337.813	51.227	-0.006	-0.052	-2.109	5061.058
3160_3160	3160	3160	337.819	-88.391	0.027	2.443	2.109	-5061.07
3160_3161	3160	3161	-304.521	113.47	-0.027	-2.443	-2.403	3804.803
3161_3161	3161	3161	304.521	-113.47	-0.023	-2.099	2.403	-3804.8
3161_3162	3161	3162	-271.193	138.571	0.023	2.099	-2.15	2271.382
3162_3162	3162	3162	271.189	-178.634	0.126	0.302	2.15	-2271.36
3162_3163	3162	3163	-231.794	210.011	-0.126	-0.302	-3.889	-576.019
3163_3163	3163	3163	235.811	-207.35	0.18	-0.034	3.843	568.84
3163_3164	3163	3164	-213.003	226.793	-0.18	0.034	-5.327	-2461.88
3164_3164	3164	3164	219.593	-271.711	-0.095	1.71	5.386	2462.391
3164_3165	3164	3165	-193.935	299.795	0.095	-1.722	-4.266	-5956.82
3165_3165	3165	3165	185.323	-293.553	-0.34	-2.023	3.088	6050.644
3165_3166	3165	3166	-170.335	329.815	0.34	2.012	1.421	-10318.3
3166_3166	3166	3166	184.359	-375.793	0.315	-0.011	-1.302	10320.56

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3166_3167	3166	3167	-182.175	411.579	-0.315	0.031	-2.648	-15360.5
3167_3167	3167	3167	193.678	-404.331	0.315	-0.093	2.647	15363.93
3167_3168	3167	3168	-199.237	442.288	-0.315	0.115	-6.607	-20775.7
3168_3168	3168	3168	-1844.86	245.214	-2.267	-3.869	17.519	5980.819
3168_3169	3168	3169	1851.585	-220.405	2.267	3.869	4.022	-3797.81
3169_3169	3169	3169	-1858.04	220.39	0.593	2.058	-4.618	3829.274
3169_3170	3169	3170	1863.926	-201.633	-0.593	-2.058	0.02	-2219.24
3170_3170	3170	3170	-1863.93	201.633	0.593	2.058	-0.02	2219.243
3170_3171	3170	3171	1869.817	-182.877	-0.593	-2.058	-4.578	-754.591
3171_3171	3171	3171	-1869.88	135.68	-0.382	-0.036	4.578	754.677
3171_3172	3171	3172	1875.703	-116.342	0.382	0.036	-1.529	226.965
3172_3172	3172	3172	-1875.7	116.342	-0.34	-0.027	1.529	-226.965
3172_3173	3172	3173	1881.537	-96.981	0.34	0.027	1.188	1055.018
3173_3173	3173	3173	-1881.54	96.981	-0.34	-0.027	-1.188	-1055.02
3173_3174	3173	3174	1887.372	-77.619	0.34	0.027	3.906	1728.158
3174_3174	3174	3174	-1887.37	33.275	1.858	-0.833	-3.906	-1728.23
3174_3175	3174	3175	1891.225	-18.754	-1.858	0.833	-7.241	1867.337
3175_3175	3175	3175	-1891.23	18.754	-1.579	0.909	7.241	-1867.34
3175_3176	3175	3176	1895.085	-4.232	1.579	-0.909	2.234	1919.304
3176_3176	3176	3176	-1895.09	4.232	1.858	-0.849	-2.234	-1919.31
3176_3177	3176	3177	1898.944	10.289	-1.858	0.849	-8.913	1884.134
3177_3177	3177	3177	-1898.94	-10.289	-1.579	0.78	8.913	-1884.13
3177_3178	3177	3178	1902.804	24.81	1.579	-0.78	0.562	1761.824
3178_3178	3178	3178	-1902.8	-69.616	-0.414	-0.293	-0.562	-1761.84
3178_3179	3178	3179	1907.163	88.978	0.414	0.293	3.878	1107.817
3179_3179	3179	3179	-1907.16	-88.978	-0.414	-0.293	-3.878	-1107.82
3179_3180	3179	3180	1911.524	108.339	0.414	0.293	7.195	298.878
3180_3180	3180	3180	-1911.52	-108.339	2.163	0.651	-7.195	-298.878
3180_3181	3180	3181	1915.884	127.701	-2.163	-0.651	-10.111	-664.954
3181_3181	3181	3181	-1915.94	-174.505	-2.209	-2.563	10.111	665.063
3181_3182	3181	3182	1920.179	193.238	2.209	2.563	6.986	-2107.6
3182_3182	3182	3182	-1920.18	-193.238	0.497	1.722	-6.986	2107.595
3182_3183	3182	3183	1924.426	211.994	-0.497	-1.722	3.138	-3697.25
3183_3183	3183	3183	-1912.02	-211.99	-0.089	0.303	-2.558	3636.707
3183_3184	3183	3184	1916.915	236.798	0.089	-0.303	3.406	-5790.74
3184_3184	3184	3184	160.369	453.06	-0.314	-0.109	1.174	20479.28
3184_3185	3184	3185	-132.399	-415.398	0.314	0.139	2.772	-15038
3185_3185	3185	3185	120.719	422.652	-0.314	-0.079	-2.776	15035.27
3185_3186	3185	3186	-93.18	-387.219	0.314	0.106	6.71	-9974.94
3186_3186	3186	3186	79.283	346.954	-0.131	-0.516	-6.675	9973.41
3186_3187	3186	3187	-58.213	-311.017	0.131	0.507	8.413	-5604.15
3187_3187	3187	3187	560.103	310.484	-0.182	-0.149	-0.079	2858.463
3187_3188	3187	3188	-558.472	-281.125	0.182	0.144	2.219	547.984
3188_3188	3188	3188	551.933	232.706	0.134	-1.278	-2.208	-547.017
3188_3189	3188	3189	-537.42	-212.403	-0.134	1.277	1.102	2303.506
3189_3189	3189	3189	555.555	216.092	0.141	0.368	-1.024	-2300.49
3189_3190	3189	3190	-513.208	-181.856	-0.141	-0.368	-0.91	4853.999
3190_3190	3190	3190	513.216	138.654	0.048	-0.237	0.91	-4854.03
3190_3191	3190	3191	-481.239	-111.246	-0.048	0.237	-1.437	6091.447
3191_3191	3191	3191	481.239	111.246	0.048	-0.237	1.437	-6091.45
3191_3192	3191	3192	-449.262	-83.837	-0.048	0.237	-1.965	7027.332
3192_3192	3192	3192	449.257	44.676	0.134	-0.1	1.965	-7027.29
3192_3193	3192	3193	-422.182	-19.585	-0.134	0.1	-3.318	7233.713

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3193_3193	3193	3193	422.182	19.585	0.134	-0.1	3.318	-7233.71
3193_3194	3193	3194	-395.107	5.506	-0.134	0.1	-4.672	7187.441
3194_3194	3194	3194	395.127	-41.468	-0.172	0.062	4.672	-7187.47
3194_3195	3194	3195	-370.212	66.559	0.172	-0.062	-2.937	6534.581
3195_3195	3195	3195	370.212	-66.559	-0.172	0.062	2.937	-6534.58
3195_3196	3195	3196	-345.297	91.65	0.172	-0.062	-1.201	5628.998
3196_3196	3196	3196	345.272	-130.493	0.043	-2.13	1.201	-5628.97
3196_3197	3196	3197	-320.255	157.876	-0.043	2.13	-1.675	3933.673
3197_3197	3197	3197	320.255	-157.876	0.085	2.488	1.675	-3933.67
3197_3198	3197	3198	-295.216	185.285	-0.085	-2.488	-2.611	1935.415
3198_3198	3198	3198	295.227	-226.893	0.015	0.202	2.611	-1935.45
3198_3199	3198	3199	-265.596	261.153	-0.015	-0.202	-2.819	-1552.68
3199_3199	3199	3199	268.302	-258.126	0.003	0.425	2.726	1478.743
3199_3200	3199	3200	-249.846	279.335	-0.003	-0.425	-2.75	-3786.35
3200_3200	3200	3200	257.694	-324.172	0.601	-0.586	2.727	3787.263
3200_3201	3200	3201	-236.144	354.748	-0.601	0.577	-9.787	-7896.51
3201_3201	3201	3201	236.355	-347.307	0.313	1.597	11.703	7956.873
3201_3202	3201	3202	-226.701	387.934	-0.313	-1.608	-15.862	-12935
3202_3202	3202	3202	242.317	-431.701	0.648	0.53	15.844	12938.06
3202_3203	3202	3203	-241.398	471.636	-0.648	-0.496	-23.976	-18685.1
3203_3203	3203	3203	254.535	-463.392	0.648	-0.143	23.98	18689.6
3203_3204	3203	3204	-259.339	505.503	-0.648	0.182	-32.134	-24856.7
3204_3204	3204	3204	-2034.8	271.661	1.328	2.257	13.136	7604.971
3204_3205	3204	3205	2040.431	-243.794	-1.328	-2.257	-25.753	-5181.75
3205_3205	3205	3205	-2041.82	243.785	-0.942	-3.297	26.554	4938.386
3205_3206	3205	3206	2046.773	-222.533	0.942	3.297	-19.25	-3153.03
3206_3206	3206	3206	-2046.77	222.533	2.039	1.494	19.25	3153.029
3206_3207	3206	3207	2051.723	-201.281	-2.039	-1.494	-35.054	-1532.43
3207_3207	3207	3207	-2051.65	150.368	-4.921	-0.086	35.054	1532.499
3207_3208	3207	3208	2056.49	-128.43	4.921	0.086	4.315	-438.677
3208_3208	3208	3208	-2056.49	128.43	-4.967	-0.109	-4.315	438.677
3208_3209	3208	3209	2061.328	-106.52	4.967	0.109	44.011	478.583
3209_3209	3209	3209	-2061.33	106.52	-2.033	0.261	-44.011	-478.585
3209_3210	3209	3210	2066.176	-84.582	2.033	-0.261	60.273	1221.565
3210_3210	3210	3210	-2066.23	34.372	-2.668	0.326	-60.273	-1221.7
3210_3211	3210	3211	2069.381	-17.918	2.668	-0.326	76.283	1364.361
3211_3211	3211	3211	-2069.38	17.918	-2.668	0.326	-76.283	-1364.36
3211_3212	3211	3212	2072.534	-1.465	2.668	-0.326	92.292	1408.289
3212_3212	3212	3212	-2072.54	1.465	1.183	-0.455	-92.292	-1408.29
3212_3213	3212	3213	2075.688	14.988	-1.183	0.455	85.195	1353.486
3213_3213	3213	3213	-2075.69	-14.988	-2.668	0.152	-85.195	-1353.49
3213_3214	3213	3214	2078.84	31.441	2.668	-0.152	101.205	1199.947
3214_3214	3214	3214	-2078.94	-81.848	5.475	0.672	-101.205	-1199.94
3214_3215	3214	3215	2082.533	103.786	-5.475	-0.672	57.396	440.791
3215_3215	3215	3215	-2082.54	-103.786	2.587	-0.154	-57.396	-440.79
3215_3216	3215	3216	2086.127	125.723	-2.587	0.154	36.695	-493.898
3216_3216	3216	3216	-2086.13	-125.723	2.587	-0.154	-36.695	493.898
3216_3217	3216	3217	2089.715	147.661	-2.587	0.154	15.994	-1604.11
3217_3217	3217	3217	-2089.71	-197.724	2.567	-5.123	-15.994	1604.031
3217_3218	3217	3218	2093.101	218.976	-2.567	5.123	-3.9	-3234.69
3218_3218	3218	3218	-2093.11	-218.976	-0.415	-10.958	3.9	3234.678
3218_3219	3218	3219	2096.496	240.228	0.415	10.958	-0.687	-5030.09
3219_3219	3219	3219	-2088.59	-240.227	9.13	16.463	0.815	5248.012

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3219_3220	3219	3220	2092.53	268.063	-9.13	-16.463	-87.466	-7678.78
3220_3220	3220	3220	225.554	520.083	-1.418	-35.088	38.911	24887.51
3220_3221	3220	3221	-201.481	-478.305	1.418	35.12	-21.067	-18631.9
3221_3221	3221	3221	188.038	486.516	-1.562	33.925	13.723	18628.47
3221_3222	3221	3222	-163.29	-446.972	1.562	-33.897	5.875	-12801.9
3222_3222	3222	3222	147.599	407.895	3.449	-2.227	-2.643	12799.26
3222_3223	3222	3223	-125.874	-367.629	-3.449	2.203	-43.143	-7671.33
3223_3223	3223	3223	634.435	367.403	0.292	1.764	5.417	4821.661
3223_3224	3223	3224	-625.978	-335.281	-0.292	-1.82	-8.852	-799.951
3224_3224	3224	3224	618.13	283.546	0.037	14.084	8.719	800.934
3224_3225	3224	3225	-597.144	-261.305	-0.037	-14.073	-9.025	1336.016
3225_3225	3225	3225	571.185	265.699	-0.129	-10.625	9.549	-1141.16
3225_3226	3225	3226	-514.166	-221.15	0.129	10.625	-7.493	4771.949
3226_3226	3226	3226	514.09	172.643	0.685	19.441	7.493	-4771.61
3226_3227	3226	3227	-472.035	-138.803	-0.685	-19.441	-15.788	6473.051
3227_3227	3227	3227	472.038	138.803	0.553	-19.073	15.788	-6473.06
3227_3228	3227	3228	-430.015	-104.989	-0.553	19.073	-22.473	7764.168
3228_3228	3228	3228	429.82	58.678	0.41	20.999	22.473	-7762.07
3228_3229	3228	3229	-391.188	-22.744	-0.41	-20.999	-27.43	8084.865
3229_3229	3229	3229	391.184	22.915	0.278	-20.352	27.43	-8084.86
3229_3230	3229	3230	-354.874	13.022	-0.278	20.352	-30.789	7984.356
3230_3230	3230	3230	354.758	-58.42	0.006	16.609	30.789	-7982.56
3230_3231	3230	3231	-321.682	94.865	-0.006	-16.609	-30.868	6894.411
3231_3231	3231	3231	321.685	-94.692	-0.125	-16.091	30.868	-6894.41
3231_3232	3231	3232	-291.021	131.113	0.125	16.091	-29.338	5372.041
3232_3232	3232	3232	290.914	-182.424	2.345	4.973	29.338	-5371.28
3232_3233	3232	3233	-273.867	205.707	-2.345	-4.973	-47.713	3772.15
3233_3233	3233	3233	273.879	-205.599	2.326	2.406	47.713	-3772.19
3233_3234	3233	3234	-258.566	227.752	-2.326	-2.406	-65.052	2085.65
3234_3234	3234	3234	268.152	-224.322	2.591	-4.973	70.262	-2118.18
3234_3235	3234	3235	-250.536	251.263	-2.591	5.008	-93.24	-78.018
3235_3235	3235	3235	256.515	-298.701	0.689	-4.434	93.203	78.053
3235_3236	3235	3236	-247.28	316.641	-0.689	4.392	-97.248	-1937.36
3236_3236	3236	3236	224.026	-313.388	2.271	-2.656	145.099	2076.912
3236_3237	3236	3237	-219.073	330.178	-2.271	2.569	-157.07	-3814.33
3237_3237	3237	3237	244.794	-324.787	1.501	7.681	158.201	3708.748
3237_3238	3237	3238	-243.446	361.883	-1.501	-7.94	-173.107	-7162.27
3238_3238	3238	3238	255.11	-400.532	-2.315	-14.043	171.795	7162.746
3238_3239	3238	3239	-260.75	439.971	2.315	13.882	-147.953	-11523.1
3239_3239	3239	3239	270.844	-432.547	-2.407	13.508	150.753	11526.76
3239_3240	3239	3240	-279.768	475.239	2.407	-13.708	-124.753	-16459.4
3240_3240	3240	3240	293.554	-492.591	-37.904	-30.387	119.889	16455.55
3240_3241	3240	3241	-300.925	522.662	37.904	30.728	159.765	-20214.9
3241_3241	3241	3241	-1952.61	350.967	-13.571	4.06	395.644	6274.872
3241_3242	3241	3242	1967.796	-316.455	13.571	-4.06	-266.766	-3168.55
3242_3242	3242	3242	-1964.17	316.541	-5.649	17.796	268.213	3150.923
3242_3243	3242	3243	1975.823	-289.039	5.649	-17.796	-224.854	-875.381
3243_3243	3243	3243	-1973.25	227.641	-35.831	0.32	224.854	874.173
3243_3244	3243	3244	1983.652	-193.528	35.831	-0.32	116.263	1087.07
3244_3244	3244	3244	-1983.74	193.65	-30.921	-0.003	-116.263	-1087.02
3244_3245	3244	3245	1993.383	-157.449	30.921	0.003	428.652	2819.868
3245_3245	3245	3245	-1994.21	110.089	-12.991	5.726	-428.652	-2819.16
3245_3246	3245	3246	2002.009	-74.455	12.991	-5.726	557.845	3703.373

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3246_3246	3246	3246	-2002.04	74.577	-3.952	-4.576	-557.845	-3703.42
3246_3247	3246	3247	2008.287	-39.902	3.952	4.576	596.086	4230.105
3247_3247	3247	3247	-2008.28	-10.213	-0.325	5.65	-596.086	-4229.31
3247_3248	3247	3248	2012.548	43.131	0.325	-5.65	599.074	3965.078
3248_3248	3248	3248	-2012.56	-43.01	7.237	-3.32	-599.074	-3964.95
3248_3249	3248	3249	2015.977	80.394	-7.237	3.32	523.568	3305.107
3249_3249	3249	3249	-2014.5	-122.482	-18.309	0.525	-523.568	-3304.69
3249_3250	3249	3250	2015.951	159.119	18.309	-0.525	710.765	1856.839
3250_3250	3250	3250	-2015.98	-158.998	-11.746	-0.721	-710.765	-1856.93
3250_3251	3250	3251	2016.02	192.695	11.746	0.721	821.225	200.835
3251_3251	3251	3251	-2019.43	-233.748	77.469	-9.232	-821.225	-201.328
3251_3252	3251	3252	2016.892	263.856	-77.469	9.232	170.278	-1881.29
3252_3252	3252	3252	-2016.62	-263.752	84.97	2.06	-170.278	1881.31
3252_3253	3252	3253	2013.082	293.942	-84.97	-2.06	-545.619	-4218.71
3253_3253	3253	3253	-2009.52	-293.837	87.842	9.325	545.504	4202.036
3253_3254	3253	3254	2005.408	321.686	-87.842	-9.325	-1218.63	-6546
3254_3254	3254	3254	-2001.06	-354.091	-37.609	-102.317	1218.631	6541.423
3254_3255	3254	3255	1998.374	365.955	37.609	102.317	-1095.85	-7706.81
3255_3255	3255	3255	286.614	475.064	-53.698	-5.129	825.244	21420.43
3255_3256	3255	3256	-262.011	-433.856	53.698	4.71	-272.703	-16778.8
3256_3256	3256	3256	245.214	447.07	-53.849	48.255	266.157	16772.7
3256_3257	3256	3257	-226.549	-415.248	53.849	-48.521	175.316	-13268
3257_3257	3257	3257	213.738	382.42	11.774	-26.413	-168.289	13261.78
3257_3258	3257	3258	-191.859	-344.987	-11.774	26.802	51.814	-9698.18
3258_3258	3258	3258	184.936	351.172	11.675	1.377	-53.891	9696.557
3258_3259	3258	3259	-167.48	-319.178	-11.675	-1.111	-46.767	-6833.52
3259_3259	3259	3259	108.107	324.403	12.309	32.677	53.905	7124.658
3259_3260	3259	3260	-101.76	-314.421	-12.309	-32.613	-92.819	-6124.23
3260_3260	3260	3260	649.893	251.738	0.434	11.855	21.716	3237.049
3260_3261	3260	3261	-679.681	-226.955	-0.434	-11.918	-24.971	-1335.46
3261_3261	3261	3261	675.29	235.259	0.301	3.748	25.272	1334.783
3261_3262	3261	3262	-697.234	-204.814	-0.301	-3.78	-28.082	806.973
3262_3262	3262	3262	724.12	210.497	-0.128	-17.08	26.222	-1133.67
3262_3263	3262	3263	-733.208	-186.015	0.128	17.08	-25.242	2700.257
3263_3263	3263	3263	733.159	128.672	0.91	12.635	25.242	-2699.71
3263_3264	3263	3264	-748.278	-92.661	-0.91	-12.635	-35.489	4024.644
3264_3264	3264	3264	748.252	92.831	0.746	-11.232	35.489	-4024.54
3264_3265	3264	3265	-766.319	-55.168	-0.746	11.232	-44.283	4987.73
3265_3265	3265	3265	766.272	5.948	0.724	20.825	44.283	-4987.53
3265_3266	3265	3266	-787.964	31.188	-0.724	-20.825	-52.698	4946.935
3266_3266	3266	3266	787.968	-31.017	0.482	-20.401	52.698	-4946.95
3266_3267	3266	3267	-811.5	67.558	-0.482	20.401	-58.213	4497.038
3267_3267	3267	3267	811.497	-116.73	0.649	13.636	58.213	-4497.03
3267_3268	3267	3268	-839.367	153.834	-0.649	-13.636	-65.752	3058.511
3268_3268	3268	3268	839.372	-153.664	0.47	-13.487	65.752	-3058.53
3268_3269	3268	3269	-869.029	190.234	-0.47	13.487	-71.134	1230.443
3269_3269	3269	3269	869.006	-242.941	-0.364	10.281	71.134	-1230.23
3269_3270	3269	3270	-905.461	281.951	0.364	-10.281	-66.697	-1803.87
3270_3270	3270	3270	905.45	-281.771	-0.608	-11.036	66.697	1803.879
3270_3271	3270	3271	-944	320.415	0.608	11.036	-59.35	-5266.43
3271_3271	3271	3271	944.305	-376.089	6.034	-2.091	59.35	5266.11
3271_3272	3271	3272	-967.987	398.243	-6.034	2.091	-101.171	-7841.02
3272_3272	3272	3272	896.164	-391.954	6.22	-5.347	92.941	8457.35

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3272_3273	3272	3273	-904.768	424.444	-6.22	5.396	-151.661	-12241.6
3273_3273	3273	3273	912.869	-414.443	6.022	3.731	151.887	12240.92
3273_3274	3273	3274	-894.214	443.239	-6.022	-3.623	-201.48	-15784.6
3274_3274	3274	3274	900.444	-492.766	-29.016	-23.27	200.496	15786.41
3274_3275	3274	3275	-893.11	501.02	29.016	23.175	-132.934	-16950.9
3275_3275	3275	3275	791.402	-497.846	-30.717	-19.263	124.682	17596.68
3275_3276	3275	3276	-761.987	532.53	30.717	18.708	141.691	-22103.5
3276_3276	3276	3276	771.809	-524.023	-30.892	25.718	-139.115	22103.61
3276_3277	3276	3277	-734.643	559.854	30.892	-26.42	408.372	-26896.2
3277_3277	3277	3277	363.156	-575.411	44.765	-75.087	-767.954	29365.51
3277_3278	3277	3278	-368.451	619.035	-44.765	74.667	299.812	-35629.7
3278_3278	3278	3278	389.338	-605.506	44.665	14.547	-291.951	35636.63
3278_3279	3278	3279	-395.831	647.297	-44.665	-15.018	-139.691	-41711.5
3279_3279	3279	3279	-2980.18	502.673	25.766	139.225	497.149	14553.74
3279_3280	3279	3280	2987.515	-486.758	-25.766	-139.225	-603.426	-12542.5
3280_3280	3280	3280	-2988.22	372.547	-75.552	-32.679	603.426	12543.83
3280_3281	3280	3281	2995.759	-348.34	75.552	32.679	-129.45	-10312.5
3281_3281	3281	3281	-3001.18	348.42	-65.189	-4.194	132.401	10600.6
3281_3282	3281	3282	3012.047	-313.508	65.189	4.194	496.899	-7449.92
3282_3282	3282	3282	-3012.19	313.623	-55.409	19.71	-496.899	7449.734
3282_3283	3282	3283	3020.516	-283.39	55.409	-19.71	960.109	-4988.34
3283_3283	3283	3283	-3077.2	254.035	13.651	-6.196	-959.786	5255.706
3283_3284	3283	3284	3093.071	-215.674	-13.651	6.196	791.012	-2418.56
3284_3284	3284	3284	-3092.98	215.804	26.188	5.727	-791.012	2418.508
3284_3285	3284	3285	3106.595	-178.803	-26.188	-5.727	478.735	-123.039
3285_3285	3285	3285	-3106.76	82.324	5.337	-0.59	-478.735	123.075
3285_3286	3285	3286	3111.259	-45.587	-5.337	0.59	415.545	615.027
3286_3286	3286	3286	-3111.17	45.706	19.301	0.714	-415.545	-615.183
3286_3287	3286	3287	3113.778	-13.391	-19.301	-0.714	214.528	911.513
3287_3287	3287	3287	-3113.69	-32.206	26.024	-1.415	-214.528	-911.509
3287_3288	3287	3288	3116.277	67.253	-26.024	1.415	-79.419	337.816
3288_3288	3288	3288	-3116.16	-67.134	37.084	0.937	79.419	-337.857
3288_3289	3288	3289	3117.246	101.066	-37.084	-0.937	-484.958	-587.802
3289_3289	3289	3289	-3117.76	-187.203	-14.834	-8.211	484.958	587.714
3289_3290	3289	3290	3116.486	213.156	14.834	8.211	-360.882	-2258.27
3290_3290	3290	3290	-3116.5	-213.07	-7.737	-0.889	360.882	2258.241
3290_3291	3290	3291	3114.554	237.453	7.737	0.889	-300.084	-4021.87
3291_3291	3291	3291	-3107.31	-237.378	-1.213	9.515	300.416	3713.833
3291_3292	3291	3292	3104.571	263.743	1.213	-9.515	-290.852	-5679.12
3292_3292	3292	3292	-3104.76	-327.922	-10.82	-19.623	290.852	5679.653
3292_3293	3292	3293	3103.748	336.319	10.82	19.623	-263.691	-6509.79
3293_3293	3293	3293	298.644	895.072	-9.451	-54.427	51.596	29839.32
3293_3294	3293	3294	-283.644	-862.814	9.451	54.444	28.549	-22442.1
3294_3294	3294	3294	252.621	873.414	-9.498	46.195	-39.064	22437.75
3294_3295	3294	3295	-233.728	-837.348	9.498	-46.178	132.329	-14110.7
3295_3295	3295	3295	207.047	767.399	4.745	-24.23	-126.66	14109.73
3295_3296	3295	3296	-187.493	-728.55	-4.745	24.2	74.947	-6024.92
3296_3296	3296	3296	169.868	734.247	4.698	9.564	-76.616	6023.381
3296_3297	3296	3297	-155.823	-705.305	-4.698	-9.577	37.735	-115.488
3297_3297	3297	3297	119.122	709.038	4.51	18.786	-34.054	241.375
3297_3298	3297	3298	-111.873	-695.851	-4.51	-18.788	14.583	2763.834
3298_3298	3298	3298	36.633	614.081	-0.026	7.918	16.278	-2394.32
3298_3299	3298	3299	-27.897	-589.081	0.026	-7.926	-16.066	7314.13

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3299_3299	3299	3299	25.594	589.853	-0.057	0.151	16.1	-7314.33
3299_3300	3299	3300	-19.504	-567.251	0.057	-0.151	-15.673	11599.04
3300_3300	3300	3300	61.872	567.459	0.319	-16.641	11.683	-11837.7
3300_3301	3300	3301	-56.883	-542.689	-0.319	16.641	-13.951	15760.32
3301_3301	3301	3301	56.792	463.246	-0.181	36.235	13.951	-15760.5
3301_3302	3301	3302	-48.921	-421.133	0.181	-36.235	-11.759	21067.9
3302_3302	3302	3302	48.918	421.239	-0.236	-32.346	11.759	-21067.9
3302_3303	3302	3303	-42.39	-378.733	0.236	32.346	-8.885	25916.95
3303_3303	3303	3303	42.391	299.116	1.744	40.787	8.885	-25917.9
3303_3304	3303	3304	-38.62	-254.39	-1.744	-40.787	-31.269	29453.72
3304_3304	3304	3304	38.653	254.495	1.701	-39.15	31.269	-29453.9
3304_3305	3304	3305	-36.619	-214.607	-1.701	39.15	-50.74	32130.56
3305_3305	3305	3305	36.574	140.659	-0.083	56.064	50.74	-32131.6
3305_3306	3305	3306	-37.519	-94.534	0.083	-56.064	-49.644	33694.72
3306_3306	3306	3306	37.562	94.639	-0.136	-58.299	49.644	-33695
3306_3307	3306	3307	-39.633	-56.149	0.136	58.299	-48.146	34539.37
3307_3307	3307	3307	39.612	-14.541	1.313	55.231	48.146	-34540.7
3307_3308	3307	3308	-45.344	58.348	-1.313	-55.231	-64.647	34112.15
3308_3308	3308	3308	45.366	-58.242	1.265	-50.187	64.647	-34112.3
3308_3309	3308	3309	-52.062	99.031	-1.265	50.187	-79.452	33225.88
3309_3309	3309	3309	52.041	-171.23	-0.908	47.579	79.452	-33226.8
3309_3310	3309	3310	-62.492	212.594	0.908	-47.579	-68.671	31001.06
3310_3310	3310	3310	62.481	-212.489	-0.95	-36.296	68.671	-31001
3310_3311	3310	3311	-74.855	255.756	0.95	36.296	-56.877	28155.7
3311_3311	3311	3311	74.896	-317.969	4.389	38.542	56.877	-28156.7
3311_3312	3311	3312	-89.283	360.173	-4.389	-38.542	-110.025	24121.2
3312_3312	3312	3312	89.3	-360.067	4.345	-31.011	110.025	-24121.2
3312_3313	3312	3313	-105.159	402.45	-4.345	31.011	-162.854	19562.22
3313_3313	3313	3313	105.066	-499.272	-4.711	25.536	162.854	-19562.8
3313_3314	3313	3314	-128.357	543.577	4.711	-25.536	-102.972	13047.86
3314_3314	3314	3314	128.335	-543.467	-4.764	-17.753	102.972	-13047.9
3314_3315	3314	3315	-153.051	587.564	4.764	17.753	-42.7	6012.928
3315_3315	3315	3315	153.253	-628.529	-5.218	-1.729	42.7	-6014.3
3315_3316	3315	3316	-171.332	657.052	5.218	1.729	0	841.948
3400_3020	3400	3020	2645.234	-242.53	-8.499	0.786	-276.489	-3455
3400_3401	3400	3401	-2646.28	246.519	8.499	-0.786	311.307	2453.194
3401_3401	3401	3401	2642.931	-238.75	24.531	-1.92	-300.365	-2453.28
3401_3402	3401	3402	-2643.84	242.142	-24.531	1.92	214.815	1614.74
3402_3402	3402	3402	2648.926	-178.625	19.858	0.329	-215.65	-1614.63
3402_3403	3402	3403	-2652.02	189.174	-19.858	-0.329	-1.172	-393.261
3403_3403	3403	3403	2646.894	-111.248	0.925	-0.653	1.465	393.255
3403_3404	3403	3404	-2649.15	118.141	-0.925	0.653	-8.126	-1219.51
3404_3404	3404	3404	2651.155	-57.63	-1.189	0.142	8.455	1219.512
3404_3405	3404	3405	-2653.57	64.482	1.189	-0.142	0.127	-1660.14
3405_3405	3405	3405	2652.315	24.633	0.845	-0.348	-0.331	1660.143
3405_3406	3405	3406	-2657.62	-11.131	-0.845	0.348	-11.848	-1402.47
3406_3406	3406	3406	2655.941	100.591	0.02	-0.734	12.45	1402.473
3406_3407	3406	3407	-2659.5	-92.414	-0.02	0.734	-12.623	-547.897
3407_3407	3407	3407	2657.07	146.308	-5.083	0.036	13.077	547.887
3407_3408	3407	3408	-2659.52	-140.962	5.083	-0.036	15.192	250.977
3408_3408	3408	3408	2636.223	-421.725	8.436	-0.109	-15.711	-251.008
3408_3409	3408	3409	-2636.92	424.841	-8.436	0.109	-9.753	-1026.61
3409_3409	3409	3409	2631.488	403.565	0.096	-0.684	9.929	1026.222

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3409_3410	3409	3410	-2630.79	-400.44	-0.096	0.684	-10.22	190.678
3410_3410	3410	3410	2652.834	-164.352	3.688	-1.307	8.687	-190.666
3410_3411	3410	3411	-2650.38	169.689	-3.688	1.307	-29.171	-736.908
3411_3411	3411	3411	2653.395	-113.191	-2.953	-0.117	28.35	736.941
3411_3412	3411	3412	-2649.84	121.376	2.953	0.117	-2.178	-1776.4
3412_3412	3412	3412	2655.699	-32.692	0.182	-0.597	1.371	1776.418
3412_3413	3412	3413	-2650.39	46.197	-0.182	0.597	-3.994	-2344.9
3413_3413	3413	3413	2655.941	42.32	2.881	-2.44	3.191	2344.938
3413_3414	3413	3414	-2653.53	-35.471	-2.881	2.44	-23.97	-2064.38
3414_3414	3414	3414	2651.99	96.988	-2.501	1.245	22.52	2064.4
3414_3415	3414	3415	-2649.73	-90.09	2.501	-1.245	-4.493	-1390.19
3415_3415	3415	3415	2657.245	168.243	-10.867	-1.148	5.199	1390.206
3415_3416	3415	3416	-2654.15	-157.695	10.867	1.148	113.455	389.142
3416_3416	3416	3416	2649.668	220.545	-11.748	1.409	-113.415	-389.153
3416_3417	3416	3417	-2648.76	-217.157	11.748	-1.409	154.337	1151.524
3417_3417	3417	3417	2651.845	227.014	-17.301	-1.594	-158.398	-1151.58
3417_3036	3417	3036	-2650.8	-223.02	17.301	1.594	229.362	2074.549
3420_3056	3420	3056	2182.541	-225.452	-7.398	0.987	-107.552	-3722.76
3420_3421	3420	3421	-2183.47	228.984	7.398	-0.987	137.837	2792.539
3421_3421	3421	3421	2180.16	-223.397	10.696	-0.485	-131.974	-2792.54
3421_3422	3421	3422	-2180.96	226.401	-10.696	0.485	94.687	2008.528
3422_3422	3422	3422	2185.727	-174.583	9.524	0.659	-94.995	-2008.51
3422_3423	3422	3423	-2188.47	183.935	-9.524	-0.659	-9.047	50.23
3423_3423	3423	3423	2184.996	-119.751	0.699	0.11	7.893	-50.233
3423_3424	3423	3424	-2186.99	125.858	-0.699	-0.11	-12.926	-834.282
3424_3424	3424	3424	2189.296	-75.911	-1.486	0.658	13.222	834.277
3424_3425	3424	3425	-2191.44	81.981	1.486	-0.658	-2.501	-1403.93
3425_3425	3425	3425	2190.892	-9.679	0.198	0.338	2.265	1403.934
3425_3426	3425	3426	-2195.59	21.65	-0.198	-0.338	-5.117	-1629.77
3426_3426	3426	3426	2194.562	52.336	0.24	0.061	5.557	1629.779
3426_3427	3426	3427	-2197.71	-45.095	-0.24	-0.061	-7.677	-1198.59
3427_3427	3427	3427	2196.333	89.927	-1.189	0.67	8.029	1198.59
3427_3428	3427	3428	-2198.52	-85.165	1.189	-0.67	-1.42	-712.049
3428_3428	3428	3428	2173.075	-382.407	-4.041	-0.208	2.472	712.07
3428_3429	3428	3429	-2173.7	385.194	4.041	0.208	9.764	-1874.33
3429_3429	3429	3429	2175.459	389.169	2.091	0.719	-9.88	1877.057
3429_3430	3429	3430	-2174.84	-386.391	-2.091	-0.719	3.568	-706.289
3430_3430	3430	3430	2201.409	-80.495	-0.942	1.063	-3.909	706.289
3430_3431	3430	3431	-2199.22	85.257	0.942	-1.063	9.146	-1166.83
3431_3431	3431	3431	2200.521	-39.338	1.848	-0.215	-8.484	1166.838
3431_3432	3431	3432	-2197.37	46.587	-1.848	0.215	-7.892	-1547.47
3432_3432	3432	3432	2199.065	26.48	-0.247	0.225	7.321	1547.512
3432_3433	3432	3433	-2194.36	-14.513	0.247	-0.225	-3.766	-1252.11
3433_3433	3433	3433	2195.183	86.913	-0.009	0.543	4.258	1252.131
3433_3434	3433	3434	-2193.04	-80.845	0.009	-0.543	-4.194	-647.131
3434_3434	3434	3434	2190.567	131.835	2.089	-0.187	4.413	647.13
3434_3435	3434	3435	-2188.57	-125.722	-2.089	0.187	-19.472	281.25
3435_3435	3435	3435	2192.043	189.314	-17.614	0.172	21.499	-281.251
3435_3436	3435	3436	-2189.3	-179.967	17.614	-0.172	170.811	2297.203
3436_3436	3436	3436	2184.214	233.44	-21.573	0.061	-169.613	-2297.29
3436_3437	3436	3437	-2183.41	-230.429	21.573	-0.061	244.974	3107.502
3437_3437	3437	3437	2187.395	233.509	-7.847	-1.33	-254.555	-3107.59
3437_3072	3437	3072	-2186.47	-229.98	7.847	1.33	286.656	4055.645

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3440_3094	3440	3094	2503.351	-210.241	-8.531	0.499	-38.198	-2356.78
3440_3441	3440	3441	-2504.27	213.742	8.531	-0.499	73.144	1488.365
3441_3441	3441	3441	2499.091	-207.025	5.643	-0.781	-69.158	-1488.37
3441_3442	3441	3442	-2499.89	210.004	-5.643	0.781	49.466	760.749
3442_3442	3442	3442	2504.243	-149.342	5.489	0.371	-49.485	-760.749
3442_3443	3442	3443	-2506.96	158.597	-5.489	-0.371	-10.433	-919.858
3443_3443	3443	3443	2505.173	-85.5	-0.722	0.334	10.56	919.858
3443_3444	3443	3444	-2507.15	91.555	0.722	-0.334	-5.354	-1558.09
3444_3444	3444	3444	2508.603	-33.275	-0.242	-0.09	5.255	1558.09
3444_3445	3444	3445	-2510.72	39.286	0.242	0.09	-3.507	-1819.8
3445_3445	3445	3445	2509.669	44.58	0.116	0.073	4.417	1819.807
3445_3446	3445	3446	-2514.33	-32.727	-0.116	-0.073	-6.084	-1262.7
3446_3446	3446	3446	2512.392	117.749	-0.039	0.18	7.805	1262.71
3446_3447	3446	3447	-2515.51	-110.572	0.039	-0.18	-7.457	-251.665
3447_3447	3447	3447	2512.707	162.241	2.574	-0.228	7.342	251.668
3447_3448	3447	3448	-2514.88	-157.52	-2.574	0.228	-21.648	637.097
3448_3448	3448	3448	2499.557	-376.819	-11.942	3.849	23.275	-637.126
3448_3449	3448	3449	-2500.17	379.577	11.942	-3.849	12.833	-506.446
3449_3449	3449	3449	2499.87	375.299	11.953	-3.881	-12.825	506.784
3449_3450	3449	3450	-2499.25	-372.55	-11.953	3.881	-23.211	620.533
3450_3450	3450	3450	2516.47	-160.036	-1.69	0.148	21.58	-620.516
3450_3451	3450	3451	-2514.3	164.758	1.69	-0.148	-12.185	-282.365
3451_3451	3451	3451	2517.158	-113.025	-0.899	-0.19	12.223	282.364
3451_3452	3451	3452	-2514.04	120.203	0.899	0.19	-4.263	-1315.32
3452_3452	3452	3452	2519.189	-35.422	0.064	-0.115	2.93	1315.329
3452_3453	3452	3453	-2514.53	47.276	-0.064	0.115	-3.852	-1911.34
3453_3453	3453	3453	2518.596	36.485	0.717	-0.227	2.702	1911.348
3453_3454	3453	3454	-2516.48	-30.474	-0.717	0.227	-7.878	-1669.83
3454_3454	3454	3454	2515.088	88.934	0.211	-0.07	7.759	1669.831
3454_3455	3454	3455	-2513.11	-82.879	-0.211	0.07	-9.277	-1050.47
3455_3455	3455	3455	2517.949	156.054	-4.307	-0.211	9.232	1050.47
3455_3456	3455	3456	-2515.24	-146.799	4.307	0.211	37.782	602.298
3456_3456	3456	3456	2510.935	207.714	-6.659	0.128	-37.622	-602.308
3456_3457	3456	3457	-2510.14	-204.736	6.659	-0.128	60.857	1321.882
3457_3457	3457	3457	2515.64	211.094	4.003	-0.588	-64.431	-1321.86
3457_3110	3457	3110	-2514.72	-207.594	-4.003	0.588	48.033	2179.369
3460_3132	3460	3132	2198.113	-309.154	-24.301	-1.323	235.309	-4079.93
3460_3461	3460	3461	-2199.03	313.387	24.301	1.323	-116.185	2554.094
3461_3461	3461	3461	2206.113	-213.13	-11.967	0.037	112.21	-2554.11
3461_3462	3461	3462	-2206.91	216.108	11.967	-0.037	-70.467	1805.494
3462_3462	3462	3462	2211.468	-163.095	-9.986	0	70.932	-1805.48
3462_3463	3462	3463	-2214.18	172.355	9.986	0	38.12	-26.145
3463_3463	3463	3463	2243.892	-111.715	2.753	-0.141	-37.689	25.98
3463_3464	3463	3464	-2245.87	117.768	-2.753	0.141	17.848	-852.995
3464_3464	3464	3464	2248.001	-65.539	2.978	0.188	-17.877	852.995
3464_3465	3464	3465	-2250.12	71.548	-2.978	-0.188	-3.599	-1347.31
3465_3465	3465	3465	2284.787	-5.279	0.025	-0.117	0.707	1347.366
3465_3466	3465	3466	-2289.44	17.129	-0.025	0.117	-1.071	-1508.82
3466_3466	3466	3466	2331.904	44.316	1.887	-0.111	-1.256	1508.703
3466_3467	3466	3467	-2335.02	-37.14	-1.887	0.111	-15.455	-1148.05
3467_3467	3467	3467	2333.765	85.15	1.524	-0.253	15.53	1148.051
3467_3468	3467	3468	-2335.93	-80.43	-1.524	0.253	-24.003	-687.906
3468_3468	3468	3468	2354.773	-448.412	1.507	3.5	22.319	687.901

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3468_3469	3468	3469	-2355.39	451.169	-1.507	-3.5	-26.874	-2047.77
3469_3469	3469	3469	2357.563	448.65	1.187	-3.578	13.33	2056.185
3469_3470	3469	3470	-2356.95	-445.893	-1.187	3.578	-16.92	-703.997
3470_3470	3470	3470	2340.102	-83.286	-1.557	0.256	18.399	704.004
3470_3471	3470	3471	-2337.93	88.006	1.557	-0.256	-9.748	-1180.02
3471_3471	3471	3471	2339.249	-39.91	-1.193	-0.126	9.83	1180.022
3471_3472	3471	3472	-2336.13	47.086	1.193	0.126	0.733	-1565.2
3472_3472	3472	3472	2298.063	16.049	0.08	-0.037	0.913	1565.136
3472_3473	3472	3473	-2293.41	-4.19	-0.08	0.037	-2.065	-1419.22
3473_3473	3473	3473	2263.998	72.076	-0.094	-0.194	2.635	1419.219
3473_3474	3473	3474	-2261.88	-66.066	0.094	0.194	-1.96	-921.083
3474_3474	3474	3474	2259.731	118.617	-0.343	-0.136	1.921	921.083
3474_3475	3474	3475	-2257.75	-112.564	0.343	0.136	0.551	-87.931
3475_3475	3475	3475	2233.562	175.951	1.061	-1.155	-0.149	87.938
3475_3476	3475	3476	-2230.85	-166.69	-1.061	1.155	-11.441	1783.155
3476_3476	3476	3476	2226.197	220.186	6.372	2.94	10.243	-1783.16
3476_3477	3476	3477	-2225.4	-217.207	-6.372	-2.94	-32.473	2546.11
3477_3477	3477	3477	2229.332	221.67	-2.57	-0.085	35.467	-2546.04
3477_3148	3477	3148	-2228.41	-218.17	2.57	0.085	-24.941	3446.644
3480_3168	3480	3168	2144.953	-240.272	32.303	0.673	-95.861	-4522.83
3480_3481	3480	3481	-2145.87	243.772	-32.303	-0.673	-36.431	3531.676
3481_3481	3481	3481	2143.685	-239.11	-4.304	-2.213	29.627	-3531.61
3481_3482	3481	3482	-2144.48	242.088	4.304	2.213	-14.613	2692.287
3482_3482	3482	3482	2149.673	-190.584	-1.522	1.014	15.604	-2692.28
3482_3483	3482	3483	-2152.39	199.845	1.522	-1.014	1.021	560.206
3483_3483	3483	3483	2191.025	-139.317	0.342	0.198	-4.299	-560.222
3483_3484	3483	3484	-2193	145.37	-0.342	-0.198	1.831	-465.762
3484_3484	3484	3484	2195.833	-93.349	0.632	0.179	-1.848	465.761
3484_3485	3484	3485	-2197.95	99.349	-0.632	-0.179	-2.702	-1159.72
3485_3485	3485	3485	2243.54	-35.687	0.91	0.023	-1.152	1159.604
3485_3486	3485	3486	-2248.2	47.546	-0.91	-0.023	-11.976	-1759.68
3486_3486	3486	3486	2304.748	12.586	-2.83	-0.315	7.304	1759.566
3486_3487	3486	3487	-2307.87	-5.411	2.83	0.315	17.754	-1679.88
3487_3487	3487	3487	2307.267	52.868	-3.186	0.307	-17.638	1679.884
3487_3488	3487	3488	-2309.44	-48.148	3.186	-0.307	35.347	-1399.16
3488_3488	3488	3488	2338.021	-478.687	5.379	-5.605	-41.843	1399.163
3488_3489	3488	3489	-2338.64	481.444	-5.379	5.605	25.58	-2850.57
3489_3489	3489	3489	2340.394	482.278	0.136	5.847	0.641	2855.421
3489_3490	3489	3490	-2339.78	-479.521	-0.136	-5.847	-1.052	-1401.5
3490_3490	3490	3490	2309.591	-47.667	0.101	0.242	3.087	1401.372
3490_3491	3490	3491	-2307.42	52.387	-0.101	-0.242	-3.646	-1679.42
3491_3491	3491	3491	2308.013	-4.927	0.457	-0.092	3.762	1679.422
3491_3492	3491	3492	-2304.89	12.102	-0.457	0.092	-7.809	-1754.82
3492_3492	3492	3492	2247.062	48.419	-0.996	-0.098	12.326	1754.791
3492_3493	3492	3493	-2242.41	-36.56	0.996	0.098	2.037	-1142.12
3493_3493	3493	3493	2195.483	101.318	-0.583	-0.285	2.184	1142.187
3493_3494	3493	3494	-2193.36	-95.309	0.583	0.285	2.022	-433.153
3494_3494	3494	3494	2190.618	145.314	-0.776	-0.2	-2.041	433.153
3494_3495	3494	3495	-2188.64	-139.27	0.776	0.2	7.626	591.106
3495_3495	3495	3495	2149.294	200.743	1.495	0.727	-4.789	-591.118
3495_3496	3495	3496	-2146.58	-191.481	-1.495	-0.727	-11.542	2733.001
3496_3496	3496	3496	2141.371	242.91	-1.282	-3.205	12.532	-2733
3496_3497	3496	3497	-2140.58	-239.932	1.282	3.205	-8.06	3575.184

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3497_3497	3497	3497	2143.226	244.387	-24.234	-0.582	11.162	-3575.18
3497_3184	3497	3184	-2142.31	-240.887	24.234	0.582	88.081	4568.814
3500_3204	3500	3204	2396.569	-242.177	-16.689	0.537	-14.728	-3958.49
3500_3501	3500	3501	-2397.66	246.316	16.689	-0.537	83.073	2958.264
3501_3501	3501	3501	2395.303	-240.939	8.186	1.937	-77.289	-2958.44
3501_3502	3501	3502	-2396.24	244.461	-8.186	-1.937	48.732	2111.748
3502_3502	3502	3502	2401.429	-186.887	4.622	-0.101	-49.611	-2111.73
3502_3503	3502	3503	-2404.64	197.84	-4.622	0.101	-0.871	10.787
3503_3503	3503	3503	2399.563	-128.334	0.913	-0.144	1.477	-10.791
3503_3504	3503	3504	-2401.9	135.493	-0.913	0.144	-8.061	-940.011
3504_3504	3504	3504	2404.404	-79.616	-2.117	0.867	8.478	940.007
3504_3505	3504	3505	-2406.91	86.723	2.117	-0.867	6.786	-1539.81
3505_3505	3505	3505	2403.657	-7.63	0.384	0.232	-7.049	1539.845
3505_3506	3505	3506	-2409.16	21.645	-0.384	-0.232	1.515	-1750.77
3506_3506	3506	3506	2406.003	58.44	1.621	0.173	-1.038	1750.755
3506_3507	3506	3507	-2409.69	-49.954	-1.621	-0.173	-13.315	-1270.84
3507_3507	3507	3507	2408.155	99.496	1.246	0.094	13.405	1270.836
3507_3508	3507	3508	-2410.7	-93.96	-1.246	-0.094	-20.329	-733.222
3508_3508	3508	3508	2379.25	-417.019	-0.04	1.954	21.198	733.2
3508_3509	3508	3509	-2379.97	420.253	0.04	-1.954	-21.076	-1998.88
3509_3509	3509	3509	2379.752	419.407	-5.608	-2.084	21.105	1998.565
3509_3510	3509	3510	-2379.03	-416.174	5.608	2.084	-4.15	-735.504
3510_3510	3510	3510	2408.315	-94.648	-0.289	0.117	4.919	735.553
3510_3511	3510	3511	-2405.77	100.184	0.289	-0.117	-3.314	-1276.99
3511_3511	3511	3511	2407.324	-50.691	0.086	-0.148	3.402	1276.99
3511_3512	3511	3512	-2403.64	59.177	-0.086	0.148	-4.164	-1763.43
3512_3512	3512	3512	2404.986	21.599	-0.088	-0.159	4.404	1763.443
3512_3513	3512	3513	-2399.48	-7.573	0.088	0.159	-3.132	-1553.12
3513_3513	3513	3513	2400.147	86.058	0.486	-0.153	2.874	1553.129
3513_3514	3513	3514	-2397.64	-78.951	-0.486	0.153	-6.378	-958.112
3514_3514	3514	3514	2395.156	134.654	0.222	-0.193	6.338	958.112
3514_3515	3514	3515	-2392.82	-127.494	-0.222	0.193	-7.938	-13.359
3515_3515	3515	3515	2397.127	197.011	-10.708	-0.415	7.89	13.365
3515_3516	3515	3516	-2393.92	-186.058	10.708	0.415	109.06	2078.493
3516_3516	3516	3516	2388.763	243.431	-11.674	1.338	-108.808	-2078.51
3516_3517	3516	3517	-2387.82	-239.909	11.674	-1.338	149.533	2921.565
3517_3517	3517	3517	2389.238	243.572	-0.535	-1.821	-151.575	-2921.56
3517_3220	3517	3220	-2388.15	-239.444	0.535	1.821	153.761	3908.178
3520_3241	3520	3241	2379.937	-317.8	-16.741	41.897	-551.869	-7114.48
3520_3521	3520	3521	-2381.25	322.766	16.741	-41.897	620.364	5804.04
3521_3521	3521	3521	2365.497	-321.104	47.727	2.876	-611.684	-5811.33
3521_3522	3521	3522	-2366.63	325.329	-47.727	-2.876	445.394	4685.178
3522_3522	3522	3522	2373.782	-269.145	41.983	1.7	-448.636	-4684.87
3522_3523	3522	3523	-2377.64	282.301	-41.983	-1.7	-9.847	1673.813
3523_3523	3523	3523	2381.715	-206.218	2.376	1.014	5.377	-1673.34
3523_3524	3523	3524	-2384.53	214.822	-2.376	-1.014	-22.508	155.306
3524_3524	3524	3524	2388.931	-158.427	-5.332	-0.031	22.344	-155.333
3524_3525	3524	3525	-2391.94	166.957	5.332	0.031	16.083	-1017.18
3525_3525	3525	3525	2392.24	-85.753	-0.665	-0.406	-18.496	1016.384
3525_3526	3525	3526	-2398.86	102.601	0.665	0.406	28.087	-2374.39
3526_3526	3526	3526	2399.083	-20.962	1.489	-3.308	-27.854	2371.77
3526_3527	3526	3527	-2403.51	31.157	-1.489	3.308	14.67	-2602.54
3527_3527	3527	3527	2403.633	19.457	-4.413	3.368	-11.808	2602.554

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3527_3528	3527	3528	-2406.66	-12.868	4.413	-3.368	36.308	-2512.82
3528_3528	3528	3528	2356.825	-498.934	6.809	-6.977	-38.273	2512.659
3528_3529	3528	3529	-2357.69	502.798	-6.809	6.977	17.634	-4030.75
3529_3529	3529	3529	2355.723	491.499	-1.585	4.674	-17.126	4029.49
3529_3530	3529	3530	-2354.86	-487.647	1.585	-4.674	21.916	-2550.03
3530_3530	3530	3530	2402.146	-20.65	10.037	-4.858	-20.995	2549.32
3530_3531	3530	3531	-2399.12	27.24	-10.037	4.858	-34.741	-2682.29
3531_3531	3531	3531	2399.171	23.631	4.131	1.038	31.749	2682.326
3531_3532	3531	3532	-2394.74	-13.431	-4.131	-1.038	-68.351	-2518.15
3532_3532	3532	3532	2396.816	90.395	-0.618	-0.971	64.485	2516.715
3532_3533	3532	3533	-2390.2	-73.553	0.618	0.971	-55.576	-1335.08
3533_3533	3533	3533	2391.815	148.355	-0.632	0.147	53.889	1334.935
3533_3534	3533	3534	-2388.8	-139.825	0.632	-0.147	-49.336	-296.476
3534_3534	3534	3534	2384.814	196.439	-2.161	-0.828	49.262	296.487
3534_3535	3534	3535	-2382	-187.832	2.161	0.828	-33.676	1089.376
3535_3535	3535	3535	2391.398	252.554	-16.369	3.56	36.411	-1087.69
3535_3536	3535	3536	-2387.55	-239.407	16.369	-3.56	142.241	3772.284
3536_3536	3536	3536	2380.864	297.977	-25.529	-7.963	-138.108	-3772.43
3536_3537	3536	3537	-2379.73	-293.74	25.529	7.963	227.284	4805.904
3537_3537	3537	3537	2353.15	454.461	-17.137	-41.402	-233.198	-4815.51
3537_3255	3537	3255	-2351.84	-447.702	17.137	41.402	327.18	7289.259
3540_3279	3540	3279	3502.665	-476.849	20.937	103.093	-317.187	-4754.24
3540_3541	3540	3541	-3504.07	483.42	-20.937	-103.093	213.029	2365.644
3541_3541	3541	3541	3518.859	-314.833	24.42	0.502	-203.412	-2412.28
3541_3542	3541	3542	-3520.08	319.379	-24.42	-0.502	118.346	1307.634
3542_3542	3542	3542	3526.652	-236.402	19.096	1.275	-118.891	-1307.58
3542_3543	3542	3543	-3530.8	250.564	-19.096	-1.275	-89.717	-1352.22
3543_3543	3543	3543	3558.306	-143.32	-5.131	-2.052	84.539	1349.476
3543_3544	3543	3544	-3561.33	152.57	5.131	2.052	-47.575	-2415.32
3544_3544	3544	3544	3563.906	-69.839	-9.253	-0.343	48.508	2415.304
3544_3545	3544	3545	-3567.15	79.023	9.253	0.343	18.202	-2951.89
3545_3545	3545	3545	3552.994	34.361	-2.24	-1.575	-16.992	2946.619
3545_3546	3545	3546	-3560.11	-16.23	2.24	1.575	49.29	-2581.87
3546_3546	3546	3546	3540.728	130.929	12.977	-1.775	-47.431	2578.029
3546_3547	3546	3547	-3545.5	-119.95	-12.977	1.775	-67.552	-1466.59
3547_3547	3547	3547	3542.11	196.331	4.343	0.256	69.103	1466.52
3547_3548	3547	3548	-3545.36	-189.264	-4.343	-0.256	-93.202	-396.643
3548_3548	3548	3548	3514.08	-563.988	-22.641	0.24	98.343	389.154
3548_3549	3548	3549	-3515.01	568.134	22.641	-0.24	-29.726	-2104.67
3549_3549	3549	3549	3533.621	581.619	-21.903	-3.539	30.578	2107.803
3549_3550	3549	3550	-3532.67	-577.558	21.903	3.539	34.599	-383.072
3550_3550	3550	3550	3553.366	-194.715	17.186	-3.192	-31.361	385.546
3550_3551	3550	3551	-3549.93	201.87	-17.186	3.192	-65.933	-1508.12
3551_3551	3551	3551	3553.64	-121.118	5.311	0.273	63.598	1508.224
3551_3552	3551	3552	-3548.95	131.48	-5.311	-0.273	-108.315	-2571.54
3552_3552	3552	3552	3552.046	5.768	-1.255	-2.042	107.001	2570.192
3552_3553	3552	3553	-3544.91	11.872	1.255	2.042	-89.325	-2613.18
3553_3553	3553	3553	3546.411	116.432	-5.526	-3.381	86.87	2611.383
3553_3554	3553	3554	-3543.18	-107.49	5.526	3.381	-47.985	-1823.47
3554_3554	3554	3554	3539.2	198.945	-14.466	0.076	46.323	1823.52
3554_3555	3554	3555	-3536.2	-189.916	14.466	-0.076	55.558	-454.192
3555_3555	3555	3555	3538.728	313.198	-17.901	-1.211	-56.869	452.65
3555_3556	3555	3556	-3534.69	-299.388	17.901	1.211	247.553	2809.928

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3556_3556	3556	3556	3525.057	397.097	-16.358	6.908	-247.825	-2809.9
3556_3557	3556	3557	-3523.88	-392.622	16.358	-6.908	303.847	4162.197
3557_3557	3557	3557	3491.305	541.552	3.829	-3.835	-304.963	-4164.03
3557_3293	3557	3293	-3489.44	-533.008	-3.829	3.835	280.174	7642.137
4000_4000	4000	4000	7.115	14.996	0.08	0.013	0	-8.868
4000_4001	4000	4001	-21.397	7.334	-0.08	-0.013	-1.105	76.57
4001_4001	4001	4001	21.396	-7.334	0.08	-0.018	1.105	-76.57
4001_4002	4001	4002	-31.883	23.73	-0.08	0.018	-1.916	-70.153
4002_4002	4002	4002	31.893	21.74	-0.097	0.029	1.916	70.089
4002_4003	4002	4003	-28.608	-2.099	0.097	-0.029	-0.741	71.438
4003_4003	4003	4003	28.607	2.099	-0.097	-0.029	0.741	-71.439
4003_4004	4003	4004	-25.323	17.541	0.097	0.029	0.435	-25.716
4004_4004	4004	4004	25.337	19.865	0.028	-0.002	-0.435	25.511
4004_4005	4004	4005	-25.557	-0.22	-0.028	0.002	0.09	96.863
4005_4005	4005	4005	25.557	0.22	0.028	-0.002	-0.09	-96.863
4005_4006	4005	4006	-25.777	19.425	-0.028	0.002	-0.255	-19.558
4006_4006	4006	4006	25.789	19.9	-0.007	0.043	0.255	19.46
4006_4007	4006	4007	-25.489	-0.271	0.007	-0.043	-0.164	102.734
4007_4007	4007	4007	25.489	0.271	-0.007	-0.05	0.164	-102.734
4007_4008	4007	4008	-25.189	19.372	0.007	0.05	-0.073	-13.646
4008_4008	4008	4008	25.188	19.502	0.004	-0.008	0.073	13.689
4008_4009	4008	4009	-24.963	0.148	-0.004	0.008	-0.118	103.713
4009_4009	4009	4009	24.963	-0.148	0.004	0.002	0.118	-103.713
4009_4010	4009	4010	-24.738	19.781	-0.004	-0.002	-0.163	-17.584
4010_4010	4010	4010	24.718	19.23	0.002	-0.008	0.163	17.833
4010_4011	4010	4011	-25.218	0.42	-0.002	0.008	-0.188	97.028
4011_4011	4011	4011	25.218	-0.42	0.002	0.002	0.188	-97.028
4011_4012	4011	4012	-25.717	20.053	-0.002	-0.002	-0.212	-26.808
4012_4012	4012	4012	25.724	18.762	-0.01	-0.037	0.212	26.811
4012_4013	4012	4013	-22.97	0.89	0.01	0.037	-0.09	78.775
4013_4013	4013	4013	22.97	-0.89	-0.01	0.032	0.09	-78.775
4013_4014	4013	4014	-20.219	20.528	0.01	-0.032	0.033	-54.419
4014_4014	4014	4014	20.224	18.714	0.028	0.002	-0.033	54.352
4014_4015	4014	4015	-38.242	7.628	-0.028	-0.002	-0.419	55.465
4015_4015	4015	4015	38.179	-7.63	0.028	-0.014	0.419	-55.37
4015_4016	4015	4016	-47.3	20.971	-0.028	0.014	-0.647	-52.827
4016_4016	4016	4016	17.142	19.751	-0.02	-0.01	0.701	102.349
4016_4017	4016	4017	-21.075	-1.033	0.02	0.01	-0.464	24.022
4017_4017	4017	4017	21.075	1.033	-0.02	0	0.464	-24.022
4017_4018	4017	4018	-25.51	20.073	0.02	0	-0.194	-97.33
4018_4018	4018	4018	25.508	19.589	0.049	0.002	0.194	97.295
4018_4019	4018	4019	-23.68	0.316	-0.049	-0.002	-0.809	21.482
4019_4019	4019	4019	23.681	-0.316	0.05	-0.015	0.809	-21.482
4019_4020	4019	4020	-21.853	20.22	-0.05	0.015	-1.428	-108.462
4020_4020	4020	4020	21.794	20.896	-0.023	-0.008	1.428	108.42
4020_4021	4020	4021	-22.418	-5.76	0.023	0.008	-1.212	18.77
4021_4021	4021	4021	22.399	5.759	-0.023	0.002	1.213	-18.749
4021_4022	4021	4022	-22.909	6.591	0.023	-0.002	-1.034	15.966
4022_4022	4022	4022	22.909	-6.591	-0.023	-0.016	1.034	-15.966
4022_4023	4022	4023	-23.417	18.924	0.023	0.016	-0.86	-82.368
4023_4023	4023	4023	23.416	19.46	-0.104	-0.009	0.86	82.432
4023_4024	4023	4024	-23.36	-6.711	0.104	0.009	-0.026	22.241
4024_4024	4024	4024	23.36	6.711	-0.104	-0.009	0.026	-22.241

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4024_4025	4024	4025	-23.305	6.039	0.104	0.009	0.808	24.863
4025_4025	4025	4025	23.305	-6.039	-0.104	-0.006	-0.808	-24.863
4025_4026	4025	4026	-23.249	18.773	0.104	0.006	1.641	-74.379
4026_4026	4026	4026	23.25	18.965	-0.014	-0.037	-1.641	74.381
4026_4027	4026	4027	-23.315	-9.407	0.014	0.037	1.727	10.776
4027_4027	4027	4027	23.315	9.407	-0.014	-0.037	-1.727	-10.776
4027_4028	4027	4028	-23.381	0.15	0.014	0.037	1.813	38.589
4028_4028	4028	4028	23.38	-0.15	-0.015	0.027	-1.813	-38.589
4028_4029	4028	4029	-23.446	9.709	0.015	-0.027	1.903	9.047
4029_4029	4029	4029	23.446	-9.709	-0.014	0.012	-1.903	-9.047
4029_4030	4029	4030	-23.511	19.266	0.014	-0.012	1.989	-77.84
4030_4030	4030	4030	23.512	18.347	0.06	-0.008	-1.989	77.788
4030_4031	4030	4031	-23.776	-5.604	-0.06	0.008	1.512	18.212
4031_4031	4031	4031	23.776	5.604	0.06	-0.008	-1.512	-18.212
4031_4032	4031	4032	-24.04	7.14	-0.06	0.008	1.035	12.266
4032_4032	4032	4032	24.04	-7.14	0.06	-0.008	-1.035	-12.266
4032_4033	4032	4033	-24.304	19.883	-0.06	0.008	0.557	-95.625
4033_4033	4033	4033	24.307	18.897	0.045	-0.005	-0.557	95.63
4033_4034	4033	4034	-23.839	-6.559	-0.045	0.005	0.211	2.544
4034_4034	4034	4034	23.839	6.559	0.045	-0.005	-0.211	-2.544
4034_4035	4034	4035	-23.371	5.794	-0.045	0.005	-0.137	5.102
4035_4035	4035	4035	23.371	-5.794	0.045	-0.007	0.137	-5.102
4035_4036	4035	4036	-22.798	20.899	-0.045	0.007	-0.565	-121.962
4036_4036	4036	4036	22.767	20.788	-0.015	-0.008	0.565	121.956
4036_4037	4036	4037	-24.27	-0.85	0.015	0.008	-0.373	14.864
4037_4037	4037	4037	24.27	0.85	-0.015	-0.005	0.373	-14.864
4037_4038	4037	4038	-25.771	19.056	0.015	0.005	-0.18	-97.489
4038_4038	4038	4038	25.773	14.336	-0.161	-0.006	0.18	97.6
4038_4039	4038	4039	-17.429	6.776	0.161	0.006	1.96	-56.6
4039_4039	4039	4039	58.465	-4.007	-0.002	-0.005	-0.175	-8.816
4039_4040	4039	4040	-106.779	22.367	0.002	0.005	0.195	-93.874
4040_4040	4040	4040	106.781	19.07	0.025	-0.018	-0.195	93.965
4040_4041	4040	4041	-109.383	-6.171	-0.025	0.018	-0.01	13.505
4041_4041	4041	4041	109.383	6.171	0.025	0.002	0.01	-13.504
4041_4042	4041	4042	-114.386	18.623	-0.025	-0.002	-0.404	-78.907
4042_4042	4042	4042	114.387	20.441	-0.014	-0.006	0.404	78.928
4042_4043	4042	4043	-105.389	-1.775	0.014	0.006	-0.241	43.872
4043_4043	4043	4043	105.389	1.775	-0.014	-0.001	0.241	-43.872
4043_4044	4043	4044	-96.398	16.876	0.014	0.001	-0.078	-56.095
4044_4044	4044	4044	96.384	19.524	0.003	0	0.078	56.224
4044_4045	4044	4045	-89.609	-0.858	-0.003	0	-0.11	58.18
4045_4045	4045	4045	89.609	0.858	0.003	0	0.11	-58.18
4045_4046	4045	4046	-82.833	17.808	-0.003	0	-0.143	-50.361
4046_4046	4046	4046	82.836	19.149	0.004	0.003	0.143	50.363
4046_4047	4046	4047	-76.068	-0.491	-0.004	-0.003	-0.188	59.549
4047_4047	4047	4047	76.068	0.491	0.004	0.003	0.188	-59.549
4047_4048	4047	4048	-69.301	18.168	-0.004	-0.003	-0.232	-53.296
4048_4048	4048	4048	69.29	18.661	-0.014	0.004	0.232	53.419
4048_4049	4048	4049	-61.422	0.013	0.014	-0.004	-0.063	49.319
4049_4049	4049	4049	61.422	-0.013	-0.014	0.008	0.063	-49.319
4049_4050	4049	4050	-53.559	18.672	0.014	-0.008	0.107	-70.879
4050_4050	4050	4050	53.583	18.159	0.023	0.011	-0.107	70.679
4050_4051	4050	4051	-49.818	6.605	-0.023	-0.011	-0.251	17.34

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4051_4051	4051	4051	49.764	-6.605	0.023	-0.002	0.25	-17.26
4051_4052	4051	4052	-47.804	19.504	-0.023	0.002	-0.437	-92.316
4052_4052	4052	4052	47.806	19.62	-0.034	0.007	0.437	92.401
4052_4053	4052	4053	-26.455	-1.251	0.034	-0.007	-0.04	4.979
4053_4053	4053	4053	25.988	2.254	-0.033	0.006	0.127	-5.036
4053_4054	4053	4054	-28.552	17.812	0.033	-0.006	0.316	-95.374
4054_4054	4054	4054	28.545	18.503	0.061	0.006	-0.316	95.242
4054_4055	4054	4055	-28.742	0.432	-0.061	-0.006	-0.452	18.323
4055_4055	4055	4055	28.742	-0.432	0.061	0.006	0.452	-18.323
4055_4056	4055	4056	-28.939	19.366	-0.061	-0.006	-1.221	-104.816
4056_4056	4056	4056	28.958	19.905	-0.051	0.002	1.221	104.827
4056_4057	4056	4057	-29.086	-5.526	0.051	-0.002	-0.736	15.844
4057_4057	4057	4057	29.068	5.526	-0.051	0.008	0.735	-15.824
4057_4058	4057	4058	-29.172	6.212	0.051	-0.008	-0.339	13.126
4058_4058	4058	4058	29.172	-6.212	-0.051	0.008	0.339	-13.126
4058_4059	4058	4059	-29.277	17.95	0.051	-0.008	0.056	-80.536
4059_4059	4059	4059	29.277	18.873	-0.087	-0.001	-0.056	80.53
4059_4060	4059	4060	-28	-6.746	0.087	0.001	0.749	20.659
4060_4060	4060	4060	28	6.746	-0.087	0.022	-0.749	-20.659
4060_4061	4060	4061	-26.725	5.368	0.087	-0.022	1.442	24.794
4061_4061	4061	4061	26.725	-5.368	-0.087	-0.004	-1.442	-24.794
4061_4062	4061	4062	-25.45	17.481	0.087	0.004	2.134	-67.94
4062_4062	4062	4062	25.449	18.323	0.004	0.022	-2.134	67.988
4062_4063	4062	4063	-24.824	-9.231	-0.004	-0.022	2.109	14.01
4063_4063	4063	4063	24.825	9.231	0.004	0.038	-2.109	-14.01
4063_4064	4063	4064	-24.2	-0.138	-0.004	-0.038	2.083	41.431
4064_4064	4064	4064	24.2	0.138	0.004	-0.019	-2.083	-41.431
4064_4065	4064	4065	-23.576	8.939	-0.004	0.019	2.058	14.36
4065_4065	4065	4065	23.576	-8.939	0.004	-0.02	-2.058	-14.36
4065_4066	4065	4066	-22.951	18.031	-0.004	0.02	2.033	-67.287
4066_4066	4066	4066	22.952	17.999	0.102	0.012	-2.033	67.297
4066_4067	4066	4067	-21.7	-5.874	-0.102	-0.012	1.219	26.808
4067_4067	4067	4067	21.7	5.874	0.102	0.013	-1.219	-26.808
4067_4068	4067	4068	-20.45	6.236	-0.102	-0.013	0.407	23.917
4068_4068	4068	4068	20.45	-6.236	0.102	-0.01	-0.407	-23.917
4068_4069	4068	4069	-19.198	18.36	-0.102	0.01	-0.406	-75.966
4069_4069	4069	4069	19.195	17.714	0.031	0.004	0.406	75.914
4069_4070	4069	4070	-19.374	-5.984	-0.031	-0.004	-0.649	16.202
4070_4070	4070	4070	19.374	5.984	0.031	0.004	0.649	-16.202
4070_4071	4070	4071	-19.553	5.761	-0.031	-0.004	-0.893	17.421
4071_4071	4071	4071	19.531	-5.761	0.031	0.009	0.897	-17.403
4071_4072	4071	4072	-19.75	20.147	-0.031	-0.009	-1.196	-105.197
4072_4072	4072	4072	19.745	20.152	-0.002	-0.004	1.196	105.206
4072_4073	4072	4073	-19.311	-1.22	0.002	0.004	-1.169	27.493
4073_4073	4073	4073	19.312	1.22	-0.002	0.013	1.169	-27.493
4073_4074	4073	4074	-18.878	17.713	0.002	-0.013	-1.142	-76.448
4074_4074	4074	4074	18.881	14.424	-0.269	-0.015	1.142	76.498
4074_4075	4074	4075	0.718	5.646	0.269	0.015	2.422	-39.736
4075_4075	4075	4075	44.837	-2.999	-0.01	0.025	0.112	-33.335
4075_4076	4075	4076	-87.826	20.404	0.01	-0.025	0	-54.703
4076_4076	4076	4076	87.832	17.729	0.022	0.01	0	54.857
4076_4077	4076	4077	-85.588	-5.506	-0.022	-0.01	-0.184	38.547
4077_4077	4077	4077	85.512	5.506	0.022	-0.003	0.186	-38.419

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4077_4078	4077	4078	-81.595	15.84	-0.022	0.003	-0.508	-40.299
4078_4078	4078	4078	81.61	17.693	-0.02	0.001	0.508	40.175
4078_4079	4078	4079	-78.198	-1.064	0.02	-0.001	-0.281	61.046
4079_4079	4079	4079	78.198	1.064	-0.02	0.001	0.281	-61.046
4079_4080	4079	4080	-74.786	15.565	0.02	-0.001	-0.054	-24.382
4080_4080	4080	4080	74.814	16.736	0.004	0.001	0.054	24.166
4080_4081	4080	4081	-72.186	-0.11	-0.004	-0.001	-0.102	67.265
4081_4081	4081	4081	72.186	0.11	0.004	0.001	0.102	-67.265
4081_4082	4081	4082	-69.557	16.515	-0.004	-0.001	-0.149	-27.872
4082_4082	4082	4082	69.552	18.048	-0.001	-0.034	0.149	27.939
4082_4083	4082	4083	-66.552	-0.178	0.001	0.034	-0.134	78.397
4083_4083	4083	4083	66.552	0.178	-0.001	0.038	0.134	-78.397
4083_4084	4083	4084	-63.553	17.693	0.001	-0.038	-0.119	-30.836
4084_4084	4084	4084	63.557	16.733	-0.003	0.033	0.119	30.838
4084_4085	4084	4085	-61.016	-0.111	0.003	-0.033	-0.091	60.598
4085_4085	4085	4085	61.016	0.111	-0.002	-0.028	0.091	-60.598
4085_4086	4085	4086	-58.473	16.525	0.002	0.028	-0.063	-34.622
4086_4086	4086	4086	58.494	16.204	0.007	0.027	0.063	34.455
4086_4087	4086	4087	-55.042	0.418	-0.007	-0.027	-0.145	49.896
4087_4087	4087	4087	55.042	-0.418	0.007	-0.021	0.145	-49.896
4087_4088	4087	4088	-51.591	17.039	-0.007	0.021	-0.227	-52.24
4088_4088	4088	4088	51.571	14.959	-0.015	-0.005	0.227	52.433
4088_4089	4088	4089	-53.733	5.573	0.015	0.005	-0.022	15.156
4089_4089	4089	4089	53.681	-5.573	-0.015	0.009	0.022	-15.082
4089_4090	4089	4090	-54.966	17.789	0.015	-0.009	0.099	-79.725
4090_4090	4090	4090	54.962	17.925	-0.003	0.001	-0.099	79.912
4090_4091	4090	4091	-36.176	-0.506	0.003	-0.001	0.134	5.495
4091_4091	4091	4091	36.09	1.388	0.015	0	-0.231	-5.755
4091_4092	4091	4092	-40.475	17.946	-0.015	0	0.03	-99.34
4092_4092	4092	4092	40.469	18.094	0.008	-0.001	-0.03	99.205
4092_4093	4092	4093	-39.728	0.142	-0.008	0.001	-0.075	12.615
4093_4093	4093	4093	39.728	-0.142	0.008	-0.001	0.075	-12.615
4093_4094	4093	4094	-38.987	18.378	-0.008	0.001	-0.18	-103.444
4094_4094	4094	4094	38.935	19.109	-0.024	-0.002	0.18	103.414
4094_4095	4094	4095	-39.238	-5.239	0.024	0.002	0.044	12.464
4095_4095	4095	4095	39.171	5.239	-0.024	0.005	-0.046	-12.38
4095_4096	4095	4096	-39.419	6.076	0.024	-0.005	0.23	9.271
4096_4096	4096	4096	39.419	-6.076	-0.024	-0.005	-0.23	-9.271
4096_4097	4096	4097	-39.666	17.376	0.024	0.005	0.412	-81.398
4097_4097	4097	4097	39.667	18.034	0.016	-0.001	-0.412	81.401
4097_4098	4097	4098	-38.943	-6.355	-0.016	0.001	0.283	15.349
4098_4098	4098	4098	38.943	6.355	0.016	0	-0.283	-15.349
4098_4099	4098	4099	-38.219	5.31	-0.016	0	0.154	18.682
4099_4099	4099	4099	38.219	-5.31	0.016	-0.001	-0.154	-18.682
4099_4100	4099	4100	-37.494	16.989	-0.016	0.001	0.025	-71.392
4100_4100	4100	4100	37.493	17.541	-0.005	0.005	-0.025	71.384
4100_4101	4100	4101	-37.172	-8.781	0.005	-0.005	0.056	7.22
4101_4101	4101	4101	37.172	8.781	-0.005	-0.003	-0.056	-7.22
4101_4102	4101	4102	-36.851	-0.022	0.005	0.003	0.086	33.242
4102_4102	4102	4102	36.851	0.022	-0.005	-0.002	-0.086	-33.242
4102_4103	4102	4103	-36.531	8.722	0.005	0.002	0.116	6.777
4103_4103	4103	4103	36.531	-8.722	-0.005	-0.002	-0.116	-6.777
4103_4104	4103	4104	-36.21	17.482	0.005	0.002	0.146	-72.265

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4104_4104	4104	4104	36.21	17.186	-0.011	0.011	-0.146	72.268
4104_4105	4104	4105	-35.642	-5.507	0.011	-0.011	0.236	17.79
4105_4105	4105	4105	35.642	5.507	-0.011	-0.006	-0.236	-17.79
4105_4106	4105	4106	-35.076	6.157	0.011	0.006	0.326	14.435
4106_4106	4106	4106	35.075	-6.157	-0.011	-0.007	-0.326	-14.435
4106_4107	4106	4107	-34.508	17.836	0.011	0.007	0.416	-82.336
4107_4107	4107	4107	34.508	17.172	0.018	0.001	-0.416	82.354
4107_4108	4107	4108	-34.304	-5.857	-0.018	-0.001	0.277	6.852
4108_4108	4108	4108	34.304	5.857	0.018	-0.003	-0.277	-6.852
4108_4109	4108	4109	-34.101	5.442	-0.018	0.003	0.137	8.39
4109_4109	4109	4109	34.124	-5.442	0.018	0.002	-0.139	-8.416
4109_4110	4109	4110	-33.874	19.311	-0.018	-0.002	-0.031	-109.298
4110_4110	4110	4110	33.87	19.144	0.013	0.005	0.031	109.301
4110_4111	4110	4111	-34.557	-0.898	-0.013	-0.005	-0.198	16.242
4111_4111	4111	4111	34.556	0.898	0.013	-0.005	0.198	-16.242
4111_4112	4111	4112	-35.242	17.334	-0.013	0.005	-0.365	-86.189
4112_4112	4112	4112	35.243	13.655	-0.108	0.001	0.365	86.215
4112_4113	4112	4113	-19.791	5.686	0.108	-0.001	1.07	-50.816
4113_4113	4113	4113	61.118	-3.377	-0.005	-0.002	0.115	-15.986
4113_4114	4113	4114	-102.869	20.489	0.005	0.002	-0.053	-75.686
4114_4114	4114	4114	102.877	17.183	0.009	-0.051	0.053	75.538
4114_4115	4114	4115	-104.341	-5.184	-0.009	0.051	-0.127	18.618
4115_4115	4115	4115	104.342	5.184	0.009	0.028	0.127	-18.618
4115_4116	4115	4116	-106.896	15.743	-0.009	-0.028	-0.256	-53.792
4116_4116	4116	4116	106.894	17.958	-0.008	-0.001	0.256	53.815
4116_4117	4116	4117	-100.974	-1.619	0.008	0.001	-0.165	49.279
4117_4117	4117	4117	100.974	1.619	-0.008	-0.001	0.165	-49.279
4117_4118	4117	4118	-95.055	14.72	0.008	0.001	-0.075	-30.987
4118_4118	4118	4118	95.024	16.876	0	-0.034	0.075	31.209
4118_4119	4118	4119	-90.475	-0.538	0	0.034	-0.081	61.367
4119_4119	4119	4119	90.476	0.538	0	0.034	0.081	-61.367
4119_4120	4119	4120	-85.923	15.814	0	-0.034	-0.086	-29.548
4120_4120	4120	4120	85.953	18.078	-0.003	-0.036	0.086	29.315
4120_4121	4120	4121	-81.096	-0.532	0.003	0.036	-0.046	77.285
4121_4121	4121	4121	81.096	0.532	-0.003	0.038	0.046	-77.285
4121_4122	4121	4122	-76.235	17.029	0.003	-0.038	-0.006	-27.745
4122_4122	4122	4122	76.235	16.736	-0.002	-0.03	0.006	27.744
4122_4123	4122	4123	-71.976	-0.4	0.002	0.03	0.021	63.508
4123_4123	4123	4123	71.976	0.4	-0.002	0.034	-0.021	-63.508
4123_4124	4123	4124	-67.714	15.952	0.002	-0.034	0.049	-28.712
4124_4124	4124	4124	67.744	16.228	0.001	0.002	-0.049	28.498
4124_4125	4124	4125	-62.397	0.109	-0.001	-0.002	0.033	55.663
4125_4125	4125	4125	62.397	-0.109	0.001	0.002	-0.033	-55.663
4125_4126	4125	4126	-57.051	16.446	-0.001	-0.002	0.018	-43.483
4126_4126	4126	4126	57.083	14.624	-0.018	-0.007	-0.018	43.3
4126_4127	4126	4127	-57.42	5.381	0.018	0.007	0.268	20.973
4127_4127	4127	4127	57.42	-5.381	-0.018	0.015	-0.268	-20.973
4127_4128	4127	4128	-57.623	17.393	0.018	-0.015	0.419	-72.509
4128_4128	4128	4128	57.627	17.793	0.033	0.005	-0.419	72.358
4128_4129	4128	4129	-37.781	-0.685	-0.033	-0.005	0.034	11.53
4129_4129	4129	4129	37.658	1.572	0.063	-0.003	-0.346	-11.558
4129_4130	4129	4130	-42.479	17.726	-0.063	0.003	-0.483	-90.436
4130_4130	4130	4130	42.465	17.573	-0.114	0.006	0.483	90.324

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4130_4131	4130	4131	-42.299	0.633	0.114	-0.006	0.938	16.027
4131_4131	4131	4131	42.299	-0.633	-0.114	-0.005	-0.938	-16.027
4131_4132	4131	4132	-42.133	18.825	0.114	0.005	2.357	-105.008
4132_4132	4132	4132	43.425	18.946	0.191	0.006	-2.357	94.853
4132_4133	4132	4133	-42.741	-5.109	-0.191	-0.006	0.541	18.667
4133_4133	4133	4133	42.741	5.109	0.192	-0.003	-0.541	-18.667
4133_4134	4133	4134	-42.183	6.179	-0.192	0.003	-0.945	13.919
4134_4134	4134	4134	42.183	-6.179	0.192	-0.003	0.945	-13.919
4134_4135	4134	4135	-41.625	17.481	-0.192	0.003	-2.432	-78.485
4135_4135	4135	4135	41.671	18.204	-0.065	-0.001	2.432	78.617
4135_4136	4135	4136	-41.044	-6.551	0.065	0.001	-1.909	19.568
4136_4136	4136	4136	41.044	6.551	-0.065	-0.001	1.909	-19.568
4136_4137	4136	4137	-40.417	5.102	0.065	0.001	-1.386	24.522
4137_4137	4137	4137	40.417	-5.102	-0.065	-0.001	1.386	-24.522
4137_4138	4137	4138	-39.79	16.754	0.065	0.001	-0.862	-63.755
4138_4138	4138	4138	39.793	17.46	-0.02	-0.001	0.862	63.649
4138_4139	4138	4139	-39.45	-8.72	0.02	0.001	-0.74	14.425
4139_4139	4139	4139	39.45	8.72	-0.02	-0.001	0.74	-14.425
4139_4140	4139	4140	-39.107	0.019	0.02	0.001	-0.617	40.057
4140_4140	4140	4140	39.107	-0.019	-0.02	-0.001	0.617	-40.057
4140_4141	4140	4141	-38.763	8.759	0.02	0.001	-0.495	13.246
4141_4141	4141	4141	38.763	-8.759	-0.02	-0.001	0.495	-13.246
4141_4142	4141	4142	-38.42	17.499	0.02	0.001	-0.373	-66.006
4142_4142	4142	4142	38.429	17.041	-0.035	0.004	0.373	65.907
4142_4143	4142	4143	-37.691	-5.388	0.035	-0.004	-0.094	22.774
4143_4143	4143	4143	37.691	5.388	-0.035	0.004	0.094	-22.774
4143_4144	4143	4144	-36.953	6.265	0.035	-0.004	0.185	18.223
4144_4144	4144	4144	36.953	-6.265	-0.034	-0.012	-0.185	-18.223
4144_4145	4144	4145	-36.214	17.918	0.034	0.012	0.456	-79.557
4145_4145	4145	4145	36.205	17.044	-0.011	-0.001	-0.456	79.468
4145_4146	4145	4146	-36.521	-5.77	0.011	0.001	0.537	9.367
4146_4146	4146	4146	36.521	5.77	-0.009	-0.006	-0.537	-9.367
4146_4147	4146	4147	-36.837	5.519	0.009	0.006	0.61	10.878
4147_4147	4147	4147	36.917	-5.519	-0.01	-0.001	-0.614	-10.967
4147_4148	4147	4148	-37.306	19.356	0.01	0.001	0.711	-106.54
4148_4148	4148	4148	37.308	19.381	0.032	-0.003	-0.711	106.598
4148_4149	4148	4149	-37.306	-1.173	-0.032	0.003	0.31	21.356
4149_4149	4149	4149	37.306	1.173	0.032	-0.003	-0.31	-21.356
4149_4150	4149	4150	-37.304	17.034	-0.032	0.003	-0.091	-78.305
4150_4150	4150	4150	37.303	13.068	-0.056	-0.013	0.091	78.305
4150_4151	4150	4151	-17.588	6.232	0.056	0.013	0.651	-55.752
4151_4151	4151	4151	67.398	-3.49	-0.003	0.009	-0.108	-25.115
4151_4152	4151	4152	-113.718	21.342	0.003	-0.009	0.14	-68.063
4152_4152	4152	4152	113.719	17.239	0.002	-0.016	-0.14	68.063
4152_4153	4152	4153	-115.778	-4.705	-0.002	0.016	0.121	25.063
4153_4153	4153	4153	115.969	4.705	0.002	0.007	-0.121	-25.401
4153_4154	4153	4154	-119.405	16.17	-0.002	-0.007	0.095	-49.033
4154_4154	4154	4154	119.404	18.384	0.001	0.032	-0.095	49.033
4154_4155	4154	4155	-112.162	-1.672	-0.001	-0.032	0.082	53.241
4155_4155	4155	4155	112.162	1.672	0.002	-0.034	-0.082	-53.241
4155_4156	4155	4156	-104.92	15.04	-0.002	0.034	0.061	-28.336
4156_4156	4156	4156	104.919	16.292	0.002	0.035	-0.061	28.337
4156_4157	4156	4157	-100.513	-1.084	-0.002	-0.035	0.044	53.818

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4157_4157	4157	4157	100.513	1.084	0.002	-0.033	-0.044	-53.818
4157_4158	4157	4158	-96.107	14.125	-0.002	0.033	0.019	-16.276
4158_4158	4158	4158	96.132	15.049	0.002	0.035	-0.019	16.088
4158_4159	4158	4159	-91.401	0.16	-0.002	-0.035	0	53.247
4159_4159	4159	4159	91.401	-0.16	0.003	-0.029	0	-53.247
4159_4160	4159	4160	-86.671	15.368	-0.003	0.029	-0.027	-29.666
4160_4160	4160	4160	86.669	16.431	0.001	0.003	0.027	29.665
4160_4161	4160	4161	-80.545	0.281	-0.001	-0.003	-0.034	52.262
4161_4161	4161	4161	80.545	-0.281	0.001	0.004	0.034	-52.262
4161_4162	4161	4162	-74.426	16.978	-0.001	-0.004	-0.041	-49.488
4162_4162	4162	4162	74.403	15.467	0.004	-0.01	0.041	49.642
4162_4163	4162	4163	-73.765	5.423	-0.004	0.01	-0.102	19.574
4163_4163	4163	4163	73.912	-5.423	0.003	0.024	0.103	-19.779
4163_4164	4163	4164	-73.532	17.958	-0.003	-0.024	-0.131	-76.581
4164_4164	4164	4164	73.545	18.733	-0.005	0	0.131	76.455
4164_4165	4164	4165	-51.563	-0.881	0.005	0	-0.074	11.314
4165_4165	4165	4165	51.437	1.74	-0.004	0.003	0.109	-11.123
4165_4166	4165	4166	-55.395	18.912	0.004	-0.003	-0.059	-97.976
4166_4166	4166	4166	55.407	19.175	0.001	0.002	0.059	98.087
4166_4167	4166	4167	-55.265	0.322	-0.001	-0.002	-0.071	19.976
4167_4167	4167	4167	55.265	-0.322	0.001	0.002	0.071	-19.976
4167_4168	4167	4168	-55.124	19.82	-0.001	-0.002	-0.083	-105.704
4168_4168	4168	4168	55.165	20.433	-0.002	0.008	0.083	105.828
4168_4169	4168	4169	-55.733	-5.614	0.002	-0.008	-0.062	18.372
4169_4169	4169	4169	55.81	5.614	-0.001	-0.004	0.061	-18.465
4169_4170	4169	4170	-56.273	6.474	0.001	0.004	-0.05	15.513
4170_4170	4170	4170	56.273	-6.474	-0.001	-0.004	0.05	-15.513
4170_4171	4170	4171	-56.736	18.562	0.001	0.004	-0.038	-81.131
4171_4171	4171	4171	56.734	19.498	-0.001	0	0.038	81.133
4171_4172	4171	4172	-55.587	-7.019	0.001	0	-0.027	23.693
4172_4172	4172	4172	55.587	7.019	-0.001	0	0.027	-23.693
4172_4173	4172	4173	-54.44	5.459	0.001	0	-0.017	28.682
4173_4173	4173	4173	54.44	-5.459	-0.001	0	0.017	-28.682
4173_4174	4173	4174	-53.293	17.938	0.001	0	-0.006	-66.167
4174_4174	4174	4174	53.301	18.795	0	0	0.006	66.071
4174_4175	4174	4175	-52.813	-9.437	0	0	-0.005	18.074
4175_4175	4175	4175	52.813	9.437	0	0	0.005	-18.074
4175_4176	4175	4176	-52.324	-0.078	0	0	-0.005	46.062
4176_4176	4176	4176	52.324	0.078	0	0	0.005	-46.062
4176_4177	4176	4177	-51.836	9.281	0	0	-0.004	17.891
4177_4177	4177	4177	51.836	-9.281	0	0	0.004	-17.891
4177_4178	4177	4178	-51.348	18.64	0	0	-0.004	-66.438
4178_4178	4178	4178	51.357	18.287	-0.001	0.007	0.004	66.342
4178_4179	4178	4179	-50.525	-5.824	0.001	-0.007	0.003	28.978
4179_4179	4179	4179	50.525	5.824	-0.001	0.007	-0.003	-28.978
4179_4180	4179	4180	-49.693	6.655	0.001	-0.007	0.009	24.642
4180_4180	4180	4180	49.693	-6.655	0	-0.017	-0.009	-24.642
4180_4181	4180	4181	-48.86	19.133	0	0.017	0.007	-79.529
4181_4181	4181	4181	48.874	18.266	0.002	0.003	-0.007	79.629
4181_4182	4181	4182	-48.912	-6.178	-0.002	-0.003	-0.006	15.298
4182_4182	4182	4182	48.912	6.178	0.003	-0.009	0.006	-15.298
4182_4183	4182	4183	-48.949	5.911	-0.003	0.009	-0.029	16.529
4183_4183	4183	4183	49.054	-5.911	0.002	0	0.026	-16.643

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4183_4184	4183	4184	-49.1	20.729	-0.002	0	-0.046	-109.665
4184_4184	4184	4184	49.109	20.634	-0.011	-0.003	0.046	109.665
4184_4185	4184	4185	-49.021	-1.137	0.011	0.003	0.088	25.934
4185_4185	4185	4185	49.021	1.137	-0.011	-0.003	-0.088	-25.934
4185_4186	4185	4186	-48.933	18.361	0.011	0.003	0.221	-82.21
4186_4186	4186	4186	48.929	15.073	0.012	-0.018	-0.221	82.209
4186_4187	4186	4187	-31.475	5.594	-0.012	0.018	0.061	-39.325
4187_4187	4187	4187	76.499	-3.236	0.001	0.013	-0.017	-34.302
4187_4188	4187	4188	-122.147	22.354	-0.001	-0.013	0.01	-60.956
4188_4188	4188	4188	122.147	19.07	0	-0.021	-0.01	60.956
4188_4189	4188	4189	-119.099	-5.647	0	0.021	0.01	37.631
4189_4189	4189	4189	120.398	5.638	0	0.008	-0.011	-36.33
4189_4190	4189	4190	-115.281	16.717	0	-0.008	0.015	-45.322
4190_4190	4190	4190	115.282	19.276	-0.002	0.034	-0.015	45.321
4190_4191	4190	4191	-109.658	-1.379	0.002	-0.034	0.036	61.444
4191_4191	4191	4191	109.658	1.379	-0.001	-0.039	-0.036	-61.444
4191_4192	4191	4192	-104.034	16.518	0.001	0.039	0.05	-28.676
4192_4192	4192	4192	104.028	17.315	0.003	-0.001	-0.05	28.677
4192_4193	4192	4193	-99.943	-0.964	-0.003	0.001	0.016	58.286
4193_4193	4193	4193	99.943	0.964	0.003	-0.001	-0.016	-58.286
4193_4194	4193	4194	-95.859	15.388	-0.003	0.001	-0.019	-19.1
4194_4194	4194	4194	95.879	16.038	0.003	-0.032	0.019	18.914
4194_4195	4194	4195	-91.874	0.297	-0.003	0.032	-0.049	55.264
4195_4195	4195	4195	91.873	-0.297	0.002	0.033	0.049	-55.264
4195_4196	4195	4196	-87.864	16.648	-0.002	-0.033	-0.072	-34.749
4196_4196	4196	4196	87.854	17.544	-0.003	-0.025	0.072	34.932
4196_4197	4196	4197	-82.057	0.353	0.003	0.025	-0.037	52.599
4197_4197	4197	4197	82.057	-0.353	-0.004	0.029	0.037	-52.6
4197_4198	4197	4198	-76.259	18.251	0.004	-0.029	0.004	-56.755
4198_4198	4198	4198	76.254	16.518	0.003	0.006	-0.004	56.755
4198_4199	4198	4199	-77.195	5.854	-0.003	-0.006	-0.037	17.893
4199_4199	4199	4199	77.3	-5.854	0.003	-0.005	0.039	-18.031
4199_4200	4199	4200	-77.866	19.276	-0.003	0.005	-0.067	-84.844
4200_4200	4200	4200	77.872	20.204	-0.004	0.005	0.067	84.704
4200_4201	4200	4201	-54.101	-1.103	0.004	-0.005	-0.024	11.207
4201_4201	4201	4201	55.11	2.052	-0.008	-0.001	0.165	-12.924
4201_4202	4201	4202	-59.198	20.349	0.008	0.001	-0.062	-103.839
4202_4202	4202	4202	59.197	20.678	0.013	0.001	0.062	103.842
4202_4203	4202	4203	-59.126	0.455	-0.013	-0.001	-0.221	23.069
4203_4203	4203	4203	59.126	-0.455	0.013	0.001	0.221	-23.069
4203_4204	4203	4204	-59.055	21.588	-0.013	-0.001	-0.381	-114.204
4204_4204	4204	4204	59.064	22.098	-0.005	0.004	0.381	114.206
4204_4205	4204	4205	-59.804	-6.037	0.005	-0.004	-0.329	20.011
4205_4205	4205	4205	59.972	6.037	-0.005	-0.01	0.335	-20.191
4205_4206	4205	4206	-60.574	7.065	0.005	0.01	-0.297	16.668
4206_4206	4206	4206	60.574	-7.065	-0.006	0.009	0.297	-16.668
4206_4207	4206	4207	-61.176	20.167	0.006	-0.009	-0.253	-88.409
4207_4207	4207	4207	61.174	20.952	-0.041	-0.016	0.253	88.408
4207_4208	4207	4208	-60.169	-7.427	0.041	0.016	0.079	23.941
4208_4208	4208	4208	60.169	7.427	-0.042	0.01	-0.079	-23.941
4208_4209	4208	4209	-59.164	6.098	0.042	-0.01	0.417	28.081
4209_4209	4209	4209	59.164	-6.098	-0.042	0.01	-0.417	-28.081
4209_4210	4209	4210	-58.159	19.623	0.042	-0.01	0.754	-75.988

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4210_4210	4210	4210	58.158	20.349	-0.009	0.002	-0.754	75.859
4210_4211	4210	4211	-57.74	-10.205	0.009	-0.002	0.81	15.28
4211_4211	4211	4211	57.74	10.205	-0.009	0.002	-0.81	-15.28
4211_4212	4211	4212	-57.323	-0.078	0.009	-0.002	0.866	45.55
4212_4212	4212	4212	57.323	0.078	-0.009	0.001	-0.866	-45.55
4212_4213	4212	4213	-56.905	10.065	0.009	-0.001	0.922	15.055
4213_4213	4213	4213	56.905	-10.065	-0.009	0.001	-0.922	-15.055
4213_4214	4213	4214	-56.487	20.209	0.009	-0.001	0.977	-76.308
4214_4214	4214	4214	56.493	19.987	0.037	0.001	-0.977	76.441
4214_4215	4214	4215	-55.712	-6.462	-0.037	-0.001	0.683	28.299
4215_4215	4215	4215	55.712	6.462	0.037	0.001	-0.683	-28.299
4215_4216	4215	4216	-54.931	7.063	-0.037	-0.001	0.389	24.831
4216_4216	4216	4216	54.931	-7.063	0.037	0.001	-0.389	-24.831
4216_4217	4216	4217	-54.15	20.588	-0.037	-0.001	0.095	-86.843
4217_4217	4217	4217	54.156	19.821	-0.003	0.008	-0.095	86.95
4217_4218	4217	4218	-54.119	-6.719	0.003	-0.008	0.12	16.096
4218_4218	4218	4218	54.118	6.719	-0.002	-0.006	-0.12	-16.096
4218_4219	4218	4219	-54.081	6.383	0.002	0.006	0.139	17.592
4219_4219	4219	4219	54.126	-6.383	-0.003	0.007	-0.14	-17.635
4219_4220	4219	4220	-54.082	22.444	0.003	-0.007	0.168	-119.065
4220_4220	4220	4220	54.12	22.445	0.087	0.002	-0.168	119.045
4220_4221	4220	4221	-53.71	-1.314	-0.087	-0.002	-0.92	28.341
4221_4221	4221	4221	53.71	1.314	0.087	0.002	0.92	-28.341
4221_4222	4221	4222	-53.301	19.817	-0.087	-0.002	-2.008	-88.416
4222_4222	4222	4222	53.291	16.643	-0.555	0.01	2.008	88.283
4222_4223	4222	4223	-37.31	5.756	0.555	-0.01	5.352	-34.832
4223_4223	4223	4223	77.1	-3.412	-0.003	-0.005	-0.147	-29.112
4223_4224	4223	4224	-123.061	24.115	0.003	0.005	0.177	-78.73
4224_4224	4224	4224	123.068	21.902	0.02	0.013	-0.177	78.585
4224_4225	4224	4225	-119.622	-7.381	-0.02	-0.013	0.009	38.46
4225_4225	4225	4225	119.842	7.379	0.02	-0.004	-0.005	-38.831
4225_4226	4225	4226	-113.281	20.271	-0.02	0.004	-0.307	-69.208
4226_4226	4226	4226	113.287	22.18	-0.003	0.231	0.307	69.149
4226_4227	4226	4227	-107.956	-1.086	0.003	-0.231	-0.272	63.954
4227_4227	4227	4227	107.953	1.086	0	-0.225	0.272	-63.955
4227_4228	4227	4228	-102.622	20.011	0	0.225	-0.268	-55.514
4228_4228	4228	4228	102.579	21.471	0.018	0.001	0.268	55.626
4228_4229	4228	4229	-97.882	-0.37	-0.018	-0.001	-0.483	69.846
4229_4229	4229	4229	97.882	0.37	0.018	0.001	0.483	-69.846
4229_4230	4229	4230	-93.185	20.732	-0.018	-0.001	-0.698	-57.392
4230_4230	4230	4230	93.23	21.328	-0.016	0.3	0.698	57.401
4230_4231	4230	4231	-88.904	0.214	0.016	-0.3	-0.502	66.491
4231_4231	4231	4231	88.896	-0.214	-0.012	-0.298	0.502	-66.488
4231_4232	4231	4232	-84.573	21.745	0.012	0.298	-0.351	-72.858
4232_4232	4232	4232	84.521	21.456	0.012	-0.031	0.351	73.061
4232_4233	4232	4233	-81.522	-0.343	-0.012	0.031	-0.5	54.068
4233_4233	4233	4233	81.793	0.342	0.012	0.023	0.511	-54.399
4233_4234	4233	4234	-78.783	20.822	-0.012	-0.023	-0.656	-72.08
4234_4234	4234	4234	78.796	19.355	-0.053	0.06	0.656	72.114
4234_4235	4234	4235	-62.971	-0.341	0.053	-0.06	-0.081	14.406
4235_4235	4235	4235	61.572	1.138	-0.284	-0.079	2.26	-12.166
4235_4236	4235	4236	-66.865	17.451	0.284	0.079	0.562	-62.751
4236_4236	4236	4236	66.741	17.386	0.202	-0.004	-0.562	62.846

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4236_4237	4236	4237	-66.772	1.447	-0.202	0.004	-1.473	16.538
4237_4237	4237	4237	66.773	-1.447	0.203	-0.01	1.473	-16.538
4237_4238	4237	4238	-66.806	21.425	-0.203	0.01	-3.635	-106.282
4238_4238	4238	4238	67.12	23.807	-0.176	0.129	3.635	106.329
4238_4239	4238	4239	-67.718	-0.191	0.176	-0.129	-1.41	46.831
4239_4239	4239	4239	67.887	0.191	-0.173	-0.146	1.403	-47.022
4239_4240	4239	4240	-68.464	22.065	0.173	0.146	0.648	-81.229
4240_4240	4240	4240	68.273	20.467	-0.053	0	-0.648	81.199
4240_4241	4240	4241	-67.014	-2.366	0.053	0	1.163	27.302
4241_4241	4241	4241	67.014	2.366	-0.053	0.001	-1.163	-27.302
4241_4242	4241	4242	-65.717	16.26	0.053	-0.001	1.693	-43.703
4242_4242	4242	4242	65.757	18.023	-0.065	-0.007	-1.693	43.793
4242_4243	4242	4243	-65.083	0.791	0.065	0.007	2.341	42.027
4243_4243	4243	4243	65.083	-0.791	-0.065	0.017	-2.341	-42.027
4243_4244	4243	4244	-64.439	18.741	0.065	-0.017	2.963	-52.297
4244_4244	4244	4244	64.418	18.701	0.047	0.129	-2.963	52.17
4244_4245	4244	4245	-63.953	-1.416	-0.047	-0.129	2.529	40.084
4245_4245	4245	4245	63.952	1.416	0.05	-0.103	-2.529	-40.085
4245_4246	4245	4246	-63.428	18.039	-0.05	0.103	2.01	-46.94
4246_4246	4246	4246	63.461	16.797	-0.102	0.007	-2.01	46.905
4246_4247	4246	4247	-62.748	2.227	0.102	-0.007	3.047	25.984
4247_4247	4247	4247	62.748	-2.227	-0.102	0.003	-3.047	-25.984
4247_4248	4247	4248	-62.085	19.935	0.102	-0.003	4.013	-79.843
4248_4248	4248	4248	62.179	21.59	0.348	0.257	-4.013	80.536
4248_4249	4248	4249	-62.943	3.449	-0.348	-0.257	-0.644	41.477
4249_4249	4249	4249	63.04	-3.449	0.353	-0.301	0.642	-41.567
4249_4250	4249	4250	-63.676	24.288	-0.353	0.301	-4.57	-112.159
4250_4250	4250	4250	63.773	22.569	-0.176	-0.004	4.57	112.368
4250_4251	4250	4251	-63.334	1.753	0.176	0.004	-2.288	22.298
4251_4251	4251	4251	63.334	-1.753	-0.176	0.005	2.288	-22.298
4251_4252	4251	4252	-63.042	17.922	0.176	-0.005	-0.771	-62.992
4252_4252	4252	4252	63.045	17.325	-0.037	-0.029	0.771	62.962
4252_4253	4252	4253	-51.413	4.55	0.037	0.029	-0.342	-2.302
4253_4253	4253	4253	51.409	-4.55	-0.036	0.039	0.342	2.301
4253_4254	4253	4254	-41.513	23.161	0.036	-0.039	0.011	-151.885
4254_4254	4254	4254	99.141	20.433	-0.011	-0.017	0.374	58.036
4254_4255	4254	4255	-122.284	4.48	0.011	0.017	-0.235	71.488
4255_4255	4255	4255	122.381	-4.477	-0.011	0.032	0.235	-71.65
4255_4256	4255	4256	-144.227	27.976	0.011	-0.032	-0.102	-93.952
4256_4256	4256	4256	144.249	24.002	0.016	0.297	0.102	94.189
4256_4257	4256	4257	-144.008	-1.578	-0.016	-0.297	-0.288	50.718
4257_4257	4257	4257	144.01	1.578	0.016	-0.27	0.288	-50.714
4257_4258	4257	4258	-143.761	21.565	-0.016	0.27	-0.478	-66.541
4258_4258	4258	4258	143.761	21.896	0.006	0.039	0.478	66.563
4258_4259	4258	4259	-148.991	1.102	-0.006	-0.039	-0.547	60.902
4259_4259	4259	4259	148.992	-1.102	0.006	-0.026	0.547	-60.901
4259_4260	4259	4260	-154.123	23.663	-0.006	0.026	-0.613	-74.114
4260_4260	4260	4260	154.129	21.556	0	0.456	0.613	74.061
4260_4261	4260	4261	-158.469	1.305	0	-0.456	-0.612	48.333
4261_4261	4261	4261	158.473	-1.305	0	-0.458	0.612	-48.326
4261_4262	4261	4262	-162.778	23.982	0	0.458	-0.608	-91.536
4262_4262	4262	4262	162.824	22.025	0.025	-0.015	0.608	91.667
4262_4263	4262	4263	-167.839	3.067	-0.025	0.015	-0.921	34.524

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4263_4263	4263	4263	167.839	-3.067	0.025	-0.012	0.921	-34.524
4263_4264	4263	4264	-172.378	25.784	-0.025	0.012	-1.204	-126.007
4264_4264	4264	4264	172.544	25.872	-0.052	0.094	1.213	125.715
4264_4265	4264	4265	-155.122	-0.547	0.052	-0.094	-0.552	22.992
4265_4265	4265	4265	155.113	0.547	-0.052	-0.145	0.552	-22.986
4265_4266	4265	4266	-138.999	22.876	0.052	0.145	0.061	-128.362
4266_4266	4266	4266	139.178	25.232	0.09	-0.019	-0.061	128.281
4266_4267	4266	4267	-122.127	-4.668	-0.09	0.019	-0.872	5.567
4267_4267	4267	4267	122.128	4.668	0.09	-0.021	0.872	-5.567
4267_4268	4267	4268	-107.2	13.335	-0.09	0.021	-1.689	-52.919
4268_4268	4268	4268	63.139	21.365	-0.192	-0.018	2.525	124.8
4268_4269	4268	4269	-79.571	5.392	0.192	0.018	0.039	0.249
4269_4269	4269	4269	79.573	-5.392	-0.193	-0.019	-0.039	-0.257
4269_4270	4269	4270	-92.645	26.678	0.193	0.019	2.081	-154.94
4270_4270	4270	4270	92.571	34.802	0.086	-0.015	-2.082	154.558
4270_4271	4270	4271	-51.034	-7.158	-0.086	0.015	0.896	89.747
4271_4271	4271	4271	51.034	7.158	0.086	-0.002	-0.896	-89.747
4271_4272	4271	4272	-19.629	13.743	-0.086	0.002	0	21.784
4372_4372	4372	4372	17.802	10.254	-0.255	0.012	0	-23.726
4372_4373	4372	4373	-51.108	8.238	0.255	-0.012	3.156	72.823
4373_4373	4373	4373	51.107	-8.238	-0.255	-0.02	-3.156	-72.823
4373_4374	4373	4374	-82.993	25.942	0.255	0.02	6.177	-94.608
4374_4374	4374	4374	83.004	19.298	0.45	0.008	-6.177	94.338
4374_4375	4374	4375	-73.049	-1.899	-0.45	-0.008	0.934	18.032
4375_4375	4375	4375	73.049	1.899	0.45	-0.002	-0.934	-18.032
4375_4376	4375	4376	-64.25	13.481	-0.45	0.002	-3.701	-51.337
4376_4376	4376	4376	64.264	15.769	-0.201	0.165	3.701	51.559
4376_4377	4376	4377	-65.672	1.175	0.201	-0.165	-1.423	32.401
4377_4377	4377	4377	65.664	-1.175	-0.201	-0.175	1.423	-32.403
4377_4378	4377	4378	-67.044	17.778	0.201	0.175	0.807	-71.72
4378_4378	4378	4378	66.933	17.481	0.107	-0.008	-0.807	71.678
4378_4379	4378	4379	-66.875	0.151	-0.107	0.008	-0.459	30.541
4379_4379	4379	4379	67.026	-0.151	0.107	0.001	0.455	-30.733
4379_4380	4379	4380	-66.966	18.422	-0.107	-0.001	-1.767	-82.846
4380_4380	4380	4380	66.954	16.048	-0.169	-0.012	1.767	82.933
4380_4381	4380	4381	-67.779	0.227	0.169	0.012	0.078	3.9
4381_4381	4381	4381	67.774	-0.227	-0.168	-0.013	-0.078	-3.9
4381_4382	4381	4382	-68.513	14.817	0.168	0.013	1.721	-68.953
4382_4382	4382	4382	68.52	18.103	0.075	-0.002	-1.721	68.756
4382_4383	4382	4383	-59.611	-0.675	-0.075	0.002	0.843	30.294
4383_4383	4383	4383	59.611	0.675	0.075	-0.013	-0.843	-30.294
4383_4384	4383	4384	-50.685	16.786	-0.075	0.013	-0.038	-74.337
4384_4384	4384	4384	71.744	17.664	-0.021	0.016	0.356	40.124
4384_4385	4384	4385	-61.08	0.864	0.021	-0.016	-0.087	51.843
4385_4385	4385	4385	61.175	-0.865	-0.021	-0.008	0.089	-51.953
4385_4386	4385	4386	-52.452	15.998	0.021	0.008	0.128	-44.849
4386_4386	4386	4386	52.445	18.167	0.004	0.28	-0.128	45.16
4386_4387	4386	4387	-55.6	-0.459	-0.004	-0.28	0.078	70.372
4387_4387	4387	4387	55.593	0.459	0.005	-0.248	-0.078	-70.375
4387_4388	4387	4388	-58.828	17.695	-0.005	0.248	0.013	-30.875
4388_4388	4388	4388	58.818	18.263	0.002	0.013	-0.013	31.369
4388_4389	4388	4389	-58.94	0.607	-0.002	-0.013	-0.016	81.422
4389_4389	4389	4389	58.94	-0.607	0.002	0.028	0.016	-81.422

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4389_4390	4389	4390	-59.049	17.604	-0.002	-0.028	-0.042	-22.692
4390_4390	4390	4390	59.053	17.986	0.014	0.321	0.042	22.619
4390_4391	4390	4391	-60.033	1.522	-0.014	-0.321	-0.232	87.108
4391_4391	4391	4391	60.03	-1.522	0.015	-0.33	0.232	-87.11
4391_4392	4391	4392	-60.852	17.878	-0.015	0.33	-0.402	-18.822
4392_4392	4392	4392	60.854	17.501	-0.04	0.041	0.402	18.858
4392_4393	4392	4393	-62.182	0.871	0.04	-0.041	0.089	85.856
4393_4393	4393	4393	62.182	-0.871	-0.04	0.011	-0.089	-85.856
4393_4394	4393	4394	-63.446	18.358	0.04	-0.011	0.555	-26.07
4394_4394	4394	4394	63.462	18.306	0.153	0.425	-0.555	25.858
4394_4395	4394	4395	-63.232	-0.725	-0.153	-0.425	-1.257	86.86
4395_4395	4395	4395	63.238	0.725	0.154	-0.359	1.257	-86.863
4395_4396	4395	4396	-62.999	17.544	-0.154	0.359	-3.153	-17.009
4396_4396	4396	4396	62.979	13.423	-0.526	0.01	3.153	17.37
4396_4397	4396	4397	-72.804	4.494	0.526	-0.01	3.21	47.368
4397_4397	4397	4397	72.805	-4.494	-0.526	0.029	-3.21	-47.368
4397_4398	4397	4398	-82.646	22.44	0.526	-0.029	9.585	-104.951
4398_4398	4398	4398	82.689	29.006	0.318	0.248	-9.585	104.7
4398_4399	4398	4399	-55.621	-10.242	-0.318	-0.248	5.559	113.512
4399_4399	4399	4399	55.624	10.242	0.318	-0.1	-5.559	-113.512
4399_4400	4399	4400	-28.642	8.462	-0.318	0.1	1.542	94.561
4400_4400	4400	4400	28.643	-8.462	0.318	-0.166	-1.542	-94.56
4400_4401	4400	4401	-18.286	15.641	-0.318	0.166	0	24.586
4572_4572	4572	4572	17.839	10.337	-0.14	0.01	0	-23.897
4572_4573	4572	4573	-51.095	8.163	0.14	-0.01	1.732	73.928
4573_4573	4573	4573	51.095	-8.163	-0.14	-0.013	-1.732	-73.928
4573_4574	4573	4574	-82.686	25.737	0.14	0.013	3.377	-90.698
4574_4574	4574	4574	82.697	18.814	0.079	0.005	-3.377	90.815
4574_4575	4574	4575	-73.024	-1.697	-0.079	-0.005	2.475	15.941
4575_4575	4575	4575	73.024	1.697	0.079	-0.001	-2.475	-15.941
4575_4576	4575	4576	-64.424	13.521	-0.079	0.001	1.673	-53.815
4576_4576	4576	4576	64.42	16	0.208	0.183	-1.673	53.898
4576_4577	4576	4577	-65.569	0.994	-0.208	-0.183	-0.692	32.449
4577_4577	4577	4577	65.567	-0.994	0.208	-0.181	0.692	-32.451
4577_4578	4577	4578	-66.708	17.878	-0.208	0.181	-3.046	-73.177
4578_4578	4578	4578	66.828	17.323	-0.112	-0.017	3.046	73.188
4578_4579	4578	4579	-67.325	0.013	0.112	0.017	-1.748	27.738
4579_4579	4579	4579	67.476	-0.013	-0.112	-0.001	1.745	-27.931
4579_4580	4579	4580	-68.006	18.459	0.112	0.001	-0.366	-85.55
4580_4580	4580	4580	67.993	16.43	-0.071	-0.011	0.366	85.574
4580_4581	4580	4581	-67.308	-0.208	0.071	0.011	0.406	3.88
4581_4581	4581	4581	67.304	0.208	-0.071	-0.01	-0.406	-3.881
4581_4582	4581	4582	-66.689	14.338	0.071	0.01	1.101	-65.681
4582_4582	4582	4582	66.694	18.033	0.032	0.009	-1.101	65.808
4582_4583	4582	4583	-59.194	-0.918	-0.032	-0.009	0.734	33.803
4583_4583	4583	4583	59.193	0.918	0.032	-0.012	-0.734	-33.804
4583_4584	4583	4584	-51.477	16.691	-0.032	0.012	0.356	-68.327
4584_4584	4584	4584	71.247	17.535	0.003	0.012	-0.11	36.404
4584_4585	4584	4585	-61.002	0.849	-0.003	-0.012	0.073	54.494
4585_4585	4585	4585	61.097	-0.85	0.003	0.006	-0.07	-54.604
4585_4586	4585	4586	-52.624	16.033	-0.003	-0.006	0.038	-42.319
4586_4586	4586	4586	52.618	18.1	0.004	0.239	-0.038	41.971
4586_4587	4586	4587	-55.547	-0.608	-0.004	-0.239	-0.007	72.315

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4587_4587	4587	4587	55.543	0.608	0.003	-0.197	0.007	-72.317
4587_4588	4587	4588	-58.601	17.657	-0.003	0.197	-0.048	-28.725
4588_4588	4588	4588	58.6	18.114	0	-0.024	0.048	28.345
4588_4589	4588	4589	-59.116	0.582	0	0.024	-0.045	83.074
4589_4589	4589	4589	59.116	-0.582	0	0.071	0.045	-83.074
4589_4590	4589	4590	-59.587	17.629	0	-0.071	-0.043	-20.946
4590_4590	4590	4590	59.585	17.892	0.005	0.31	0.043	21.098
4590_4591	4590	4591	-60.659	1.504	-0.005	-0.31	-0.107	87.582
4591_4591	4591	4591	60.656	-1.504	0.005	-0.313	0.107	-87.584
4591_4592	4591	4592	-61.561	17.867	-0.005	0.313	-0.157	-18.171
4592_4592	4592	4592	61.565	17.467	0.016	-0.006	0.157	18.213
4592_4593	4592	4593	-63.097	0.653	-0.016	0.006	-0.347	86.469
4593_4593	4593	4593	63.097	-0.653	0.016	0.057	0.347	-86.469
4593_4594	4593	4594	-64.588	18.281	-0.016	-0.057	-0.533	-24.328
4594_4594	4594	4594	64.598	17.902	-0.057	0.344	0.533	23.856
4594_4595	4594	4595	-64.193	-0.31	0.057	-0.344	0.138	83.876
4595_4595	4595	4595	64.195	0.31	-0.057	-0.291	-0.138	-83.878
4595_4596	4595	4596	-63.777	17.841	0.057	0.291	0.836	-23.88
4596_4596	4596	4596	63.777	14.526	0.246	-0.005	-0.836	23.772
4596_4597	4596	4597	-73.442	3.37	-0.246	0.005	-2.138	54.184
4597_4597	4597	4597	73.442	-3.37	0.246	0.045	2.138	-54.184
4597_4598	4597	4598	-83.078	21.215	-0.246	-0.045	-5.105	-83.297
4598_4598	4598	4598	83.066	26.563	-0.191	0.166	5.105	83.445
4598_4599	4598	4599	-52.606	-7.838	0.191	-0.166	-2.697	99.959
4599_4599	4599	4599	52.606	7.838	-0.191	-0.102	2.697	-99.96
4599_4600	4599	4600	-22.296	10.794	0.191	0.102	-0.299	47.59
4600_4600	4600	4600	22.296	-10.794	-0.191	-0.142	0.299	-47.589
4600_4601	4600	4601	-18.518	13.117	0.191	0.142	0	24.64
5000_5000	5000	5000	67.749	457.575	0.715	4.767	0	-315.56
5000_5001	5000	5001	-62.932	-420.475	-0.715	-4.767	-9.102	5879.472
5001_5001	5001	5001	62.936	420.475	0.706	-2.612	9.102	-5879.48
5001_5002	5001	5002	-59.193	-391.647	-0.706	2.612	-16.086	9876.88
5002_5002	5002	5002	59.166	340.687	-0.613	11.139	16.086	-9876.99
5002_5003	5002	5003	-56.528	-305.273	0.613	-11.139	-8.647	13788.09
5003_5003	5003	5003	56.524	305.273	-0.623	-9.243	8.647	-13788.1
5003_5004	5003	5004	-53.89	-269.896	0.623	9.243	-1.091	17265.73
5004_5004	5004	5004	53.905	224.701	0.707	9.274	1.091	-17266
5004_5005	5004	5005	-50.937	-189.302	-0.707	-9.274	-9.677	19765.94
5005_5005	5005	5005	50.938	189.302	0.701	-8.504	9.677	-19765.9
5005_5006	5005	5006	-47.968	-153.878	-0.701	8.504	-18.193	21837.46
5006_5006	5006	5006	47.965	105.17	-0.172	18.338	18.193	-21837.7
5006_5007	5006	5007	-45.455	-69.778	0.172	-18.338	-16.103	22888.57
5007_5007	5007	5007	45.454	69.778	-0.183	-18.243	16.103	-22888.6
5007_5008	5007	5008	-42.945	-34.394	0.183	18.243	-13.881	23509.8
5008_5008	5008	5008	42.949	-12.618	0.697	18.15	13.881	-23510.1
5008_5009	5008	5009	-40.782	48.027	-0.697	-18.15	-22.349	23132.64
5009_5009	5009	5009	40.783	-48.027	0.686	-18.764	22.349	-23132.6
5009_5010	5009	5010	-38.617	83.43	-0.686	18.764	-30.682	22325.42
5010_5010	5010	5010	38.617	-130.617	-0.089	-0.623	30.682	-22325.8
5010_5011	5010	5011	-36.89	166.013	0.089	0.623	-29.6	20518.32
5011_5011	5011	5011	36.89	-166.013	-0.089	-0.623	29.6	-20518.3
5011_5012	5011	5012	-35.163	201.408	0.089	0.623	-28.517	18281.19
5012_5012	5012	5012	35.163	-247.787	0.115	4.337	28.517	-18281.5

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5012_5013	5012	5013	-34.393	283.201	-0.115	-4.337	-29.908	15054.42
5013_5013	5013	5013	34.393	-283.201	0.11	-6.086	29.908	-15054.4
5013_5014	5013	5014	-33.624	318.583	-0.11	6.086	-31.239	11400.79
5014_5014	5014	5014	33.63	-364.514	0.793	1.445	31.239	-11400.9
5014_5015	5014	5015	-31.715	411.604	-0.793	-1.445	-44.043	5126.377
5015_5015	5015	5015	30.612	-410.478	0.73	-2.646	43.289	-5078.35
5015_5016	5015	5016	-31.088	432.962	-0.73	2.649	-49.312	1592.765
5016_5016	5016	5016	64.294	-478.285	-0.348	-1.747	56.243	-1704.94
5016_5017	5016	5017	-67.183	510.368	0.348	1.742	-52.155	-4097.54
5017_5017	5017	5017	82.004	-508.064	-0.355	0.662	52.321	4094.684
5017_5018	5017	5018	-86.838	546.96	0.355	-0.67	-47.608	-11093.4
5018_5018	5018	5018	106.153	-588.137	0.007	-8.871	46.875	11093.74
5018_5019	5018	5019	-112.123	626.593	-0.007	8.876	-46.965	-18692.5
5019_5019	5019	5019	129.283	-623.214	0	8.132	48.845	18693.32
5019_5020	5019	5020	-136.283	664.202	0	-8.127	-48.843	-26779.3
5020_5020	5020	5020	-2484.52	207.398	-15.19	-1.861	375.681	5682.869
5020_5021	5020	5021	2481.513	-180.836	15.19	1.861	-231.434	-3827.58
5021_5021	5021	5021	-2483.35	180.849	-14.772	-1.205	231.211	3836.588
5021_5022	5021	5022	2480.803	-161.263	14.772	1.205	-116.648	-2499.81
5022_5022	5022	5022	-2480.82	161.263	-11.905	1.814	116.648	2499.808
5022_5023	5022	5023	2478.274	-141.706	11.905	-1.814	-24.45	-1316.5
5023_5023	5023	5023	-2478.3	98.184	-6.182	0.149	24.45	1316.497
5023_5024	5023	5024	2476.214	-77.971	6.182	-0.149	25.033	-603.239
5024_5024	5024	5024	-2476.2	77.971	-9.629	-0.836	-25.033	603.238
5024_5025	5024	5025	2474.123	-57.781	9.629	0.836	102.017	-52.291
5025_5025	5025	5025	-2474.14	57.781	-3.068	-0.434	-102.017	52.293
5025_5026	5025	5026	2472.058	-37.57	3.068	0.434	126.568	337.527
5026_5026	5026	5026	-2472.06	-8.877	-2.449	-0.499	-126.568	-337.525
5026_5027	5026	5027	2470.987	24.034	2.449	0.499	141.265	242.997
5027_5027	5027	5027	-2470.99	-24.034	-2.881	-0.471	-141.265	-242.997
5027_5028	5027	5028	2469.913	39.166	2.881	0.471	158.526	57.876
5028_5028	5028	5028	-2469.91	-39.166	-2.449	-0.468	-158.526	-57.876
5028_5029	5028	5029	2468.839	54.323	2.449	0.468	173.223	-218.452
5029_5029	5029	5029	-2468.84	-54.323	1.706	0.011	-173.223	218.452
5029_5030	5029	5030	2467.766	69.478	-1.706	-0.011	162.987	-585.684
5030_5030	5030	5030	-2467.78	-115.643	1.127	-1.694	-162.987	585.66
5030_5031	5030	5031	2466.972	135.848	-1.127	1.694	153.971	-1588.65
5031_5031	5031	5031	-2466.97	-135.848	4.244	0.357	-153.971	1588.65
5031_5032	5031	5032	2466.165	156.051	-4.244	-0.357	120.021	-2753.15
5032_5032	5032	5032	-2466.17	-156.051	4.244	0.357	-120.021	2753.147
5032_5033	5032	5033	2465.361	176.253	-4.244	-0.357	86.07	-4079.27
5033_5033	5033	5033	-2465.31	-220.66	12.274	-2.721	-86.07	4079.38
5033_5034	5033	5034	2464.982	240.224	-12.274	2.721	-9.019	-5863.46
5034_5034	5034	5034	-2464.98	-240.224	12.274	-2.721	9.019	5863.462
5034_5035	5034	5035	2464.652	259.788	-12.274	2.721	-104.108	-7799.12
5035_5035	5035	5035	-2464.01	-259.791	14.797	5.161	104.012	7796.033
5035_5036	5035	5036	2463.614	286.293	-14.797	-5.161	-244.207	-10381.6
5036_5036	5036	5036	148.767	550.218	0.791	-30.675	-0.394	32834.13
5036_5037	5036	5037	-144.829	-509.121	-0.791	30.67	-9.581	-26164.1
5037_5037	5037	5037	130.831	512.602	0.711	27.664	3.514	26163.29
5037_5038	5037	5038	-128.745	-474.052	-0.711	-27.67	-12.442	-19974.8
5038_5038	5038	5038	112.999	437.846	-0.31	-5.356	15.208	19975.22
5038_5039	5038	5039	-112.766	-398.964	0.31	5.364	-11.087	-14421.3

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5039_5039	5039	5039	637.522	394.564	-0.463	4.678	12.177	11543.5
5039_5040	5039	5040	-646.967	-362.605	0.463	-4.677	-6.733	-7168.74
5040_5040	5040	5040	638.832	318.782	0.166	0.626	6.915	7170.034
5040_5041	5040	5041	-622.911	-296.766	-0.166	-0.629	-8.282	-4735.21
5041_5041	5041	5041	706.385	299.517	0.053	-0.279	8.323	4311.772
5041_5042	5041	5042	-638.973	-261.884	-0.053	0.279	-9.16	-206.528
5042_5042	5042	5042	638.977	214.265	0.002	0.01	9.16	206.548
5042_5043	5042	5043	-589.55	-185.721	-0.002	-0.01	-9.188	1952.99
5043_5043	5043	5043	589.55	185.721	0.002	0.01	9.188	-1952.99
5043_5044	5043	5044	-540.122	-157.177	-0.002	-0.01	-9.216	3772.106
5044_5044	5044	5044	540.134	112.3	-0.052	-0.259	9.216	-3772.16
5044_5045	5044	5045	-490.502	-83.738	0.052	0.259	-8.59	4715.306
5045_5045	5045	5045	490.502	83.738	-0.049	0.335	8.59	-4715.31
5045_5046	5045	5046	-440.913	-55.2	0.049	-0.335	-8.011	5317.247
5046_5046	5046	5046	440.918	9.926	0.159	6.168	8.011	-5317.32
5046_5047	5046	5047	-391.268	18.632	-0.159	-6.168	-9.911	5038.79
5047_5047	5047	5047	391.268	-18.632	0.072	-6.033	9.911	-5038.79
5047_5048	5047	5048	-341.667	47.161	-0.072	6.033	-10.767	4420.287
5048_5048	5048	5048	341.667	-92.066	-0.165	3.861	10.767	-4420.34
5048_5049	5048	5049	-292.194	120.618	0.165	-3.861	-8.797	2925.913
5049_5049	5049	5049	292.194	-120.618	-0.256	-3.672	8.797	-2925.91
5049_5050	5049	5050	-242.728	149.165	0.256	3.672	-5.739	1091.15
5050_5050	5050	5050	242.73	-193.359	0.404	-0.695	5.739	-1091.18
5050_5051	5050	5051	-177.001	230.956	-0.404	0.695	-12.091	-2541.37
5051_5051	5051	5051	176.056	-229.127	0.332	2.244	12.087	2559.827
5051_5052	5051	5052	-143.66	249.541	-0.332	-2.243	-14.829	-4685.32
5052_5052	5052	5052	150.723	-291.959	0.001	-6.114	14.61	4686.057
5052_5053	5052	5053	-110.942	321.407	-0.001	6.118	-14.619	-8495.03
5053_5053	5053	5053	103.558	-318.566	-0.08	10.599	22.037	8584.328
5053_5054	5053	5054	-81.7	356.264	0.08	-10.589	-20.98	-13219.3
5054_5054	5054	5054	95.566	-393.36	-0.203	-15.185	19.006	13221.42
5054_5055	5054	5055	-88.617	430.548	0.203	15.186	-16.454	-18508.2
5055_5055	5055	5055	100.7	-426.354	-0.289	16.617	19.832	18511.29
5055_5056	5055	5056	-103.992	465.707	0.289	-16.614	-16.188	-24208.9
5056_5056	5056	5056	-2031.12	264.773	-10.106	0.202	217.84	7511.723
5056_5057	5056	5057	2037.614	-239.04	10.106	-0.202	-121.9	-5151.25
5057_5057	5057	5057	-2039.26	239.04	-11.039	-1.884	122.787	5120.422
5057_5058	5057	5058	2044.609	-218.496	11.039	1.884	-37.238	-3373.05
5058_5058	5058	5058	-2044.62	218.496	-8.178	3.24	37.238	3373.041
5058_5059	5058	5059	2049.966	-197.954	8.178	-3.24	26.13	-1785.01
5059_5059	5059	5059	-2049.97	156.151	-8.343	-1.796	-26.13	1785.012
5059_5060	5059	5060	2055.905	-134.918	8.343	1.796	92.954	-647.286
5060_5060	5060	5060	-2055.92	134.918	-2.992	1.566	-92.954	647.283
5060_5061	5060	5061	2061.849	-113.714	2.992	-1.566	116.886	319.119
5061_5061	5061	5061	-2061.85	113.714	-2.992	1.566	-116.886	-319.119
5061_5062	5061	5062	2067.78	-92.511	2.992	-1.566	140.817	1115.932
5062_5062	5062	5062	-2067.78	48.748	-1.457	0.827	-140.817	-1115.89
5062_5063	5062	5063	2072.703	-32.833	1.457	-0.827	149.567	1337.932
5063_5063	5063	5063	-2072.7	32.833	-1.705	0.87	-149.567	-1337.93
5063_5064	5063	5064	2077.614	-16.944	1.705	-0.87	159.783	1464.301
5064_5064	5064	5064	-2077.61	16.944	2.238	0.07	-159.783	-1464.3
5064_5065	5064	5065	2082.531	-1.031	-2.238	-0.07	146.351	1495.422
5065_5065	5065	5065	-2082.53	1.031	2.238	0.07	-146.351	-1495.42

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5065_5066	5065	5066	2087.449	14.882	-2.238	-0.07	132.919	1431.019
5066_5066	5066	5066	-2087.45	-58.904	4.226	-0.067	-132.919	-1430.92
5066_5067	5066	5067	2094.517	80.103	-4.226	0.067	99.126	842.691
5067_5067	5067	5067	-2094.52	-80.103	4.226	-0.067	-99.126	-842.691
5067_5068	5067	5068	2101.582	101.301	-4.226	0.067	65.333	84.96
5068_5068	5068	5068	-2101.57	-101.301	7.174	1.532	-65.333	-84.962
5068_5069	5068	5069	2108.648	122.524	-7.174	-1.532	7.897	-843.459
5069_5069	5069	5069	-2108.63	-163.582	9.216	-4.431	-7.897	843.532
5069_5070	5069	5070	2116.012	184.114	-9.216	4.431	-63.481	-2223.64
5070_5070	5070	5070	-2116	-184.114	12.255	0.595	63.481	2223.638
5070_5071	5070	5071	2123.386	204.671	-12.255	-0.595	-158.51	-3764.72
5071_5071	5071	5071	-2120.17	-204.666	13.587	4.014	160.047	3789.515
5071_5072	5071	5072	2129.029	230.408	-13.587	-4.014	-289.086	-5896.06
5072_5072	5072	5072	63.652	501.71	0.117	-14.934	21.68	22242.3
5072_5073	5072	5073	-32.648	-462.738	-0.117	14.939	-23.151	-16232.6
5073_5073	5073	5073	19.744	467.006	0.028	15.749	19.864	16230.66
5073_5074	5073	5074	10.415	-430.283	-0.028	-15.745	-20.22	-10644.4
5074_5074	5074	5074	-24.937	396.182	0.478	0.26	21.594	10643.58
5074_5075	5074	5075	48.811	-358.9	-0.478	-0.241	-27.944	-5645.58
5075_5075	5075	5075	444.643	355.718	-0.181	0.566	16.561	2938.687
5075_5076	5075	5076	-450.952	-327.272	0.181	-0.569	-14.429	1042.577
5076_5076	5076	5076	443.496	286.969	-0.06	4.666	14.386	-1041.84
5076_5077	5076	5077	-436.006	-267.29	0.06	-4.666	-13.887	3279.478
5077_5077	5077	5077	403.13	269.989	-0.128	-3.748	15.642	-3250.35
5077_5078	5077	5078	-378.819	-233.93	0.128	3.748	-13.811	6726.505
5078_5078	5078	5078	378.82	193.45	-0.062	10.193	13.811	-6726.62
5078_5079	5078	5079	-360.228	-165.091	0.062	-10.193	-13.112	8648.006
5079_5079	5079	5079	360.228	165.091	-0.155	-9.665	13.112	-8648.01
5079_5080	5079	5080	-341.638	-136.736	0.155	9.665	-11.374	10251.22
5080_5080	5080	5080	341.643	97.07	0.073	11.926	11.374	-10251.3
5080_5081	5080	5081	-323.4	-68.714	-0.073	-11.926	-12.195	11093.22
5081_5081	5081	5081	323.4	68.714	-0.019	-11.467	12.195	-11093.2
5081_5082	5081	5082	-305.159	-40.361	0.019	11.467	-11.977	11617.11
5082_5082	5082	5082	305.167	-0.802	-0.111	0.372	11.977	-11617.3
5082_5083	5082	5083	-286.088	31.254	0.111	-0.372	-10.64	11332.43
5083_5083	5083	5083	286.088	-31.254	-0.113	-0.125	10.64	-11332.4
5083_5084	5083	5084	-266.993	61.731	0.113	0.125	-9.278	10680.11
5084_5084	5084	5084	266.995	-102.886	-0.103	9.283	9.278	-10680.3
5084_5085	5084	5085	-249.596	131.235	0.103	-9.283	-8.12	9283.902
5085_5085	5085	5085	249.595	-131.235	-0.196	-9.222	8.12	-9283.9
5085_5086	5085	5086	-232.197	159.581	0.196	9.222	-5.923	7569.863
5086_5086	5086	5086	232.195	-198.958	-0.038	5.254	5.923	-7569.92
5086_5087	5086	5087	-215.29	227.305	0.038	-5.254	-5.501	5098.851
5087_5087	5087	5087	215.289	-227.305	-0.132	-5.213	5.501	-5098.85
5087_5088	5087	5088	-198.37	255.674	0.132	5.213	-4.018	2307.609
5088_5088	5088	5088	198.378	-293.816	0.216	-1.102	4.018	-2307.63
5088_5089	5088	5089	-177.444	328.511	-0.216	1.102	-6.977	-2063.12
5089_5089	5089	5089	180.286	-326.636	0.149	1.223	6.939	2119.56
5089_5090	5089	5090	-167.783	347.441	-0.149	-1.223	-8.172	-4956.82
5090_5090	5090	5090	176.685	-386.606	-0.231	-11.104	7.798	4957.33
5090_5091	5090	5091	-161.506	416.575	0.231	11.101	-5.082	-9757.34
5091_5091	5091	5091	157.998	-412.555	-0.355	9.453	9.663	9840.626
5091_5092	5091	5092	-149.618	449.565	0.355	-9.455	-4.952	-15628

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5092_5092	5092	5092	165.95	-485.663	-0.341	-9.417	3.544	15629.68
5092_5093	5092	5093	-164.3	522.237	0.341	9.412	0.729	-22001.3
5093_5093	5093	5093	178.731	-516.958	-0.385	9.619	1.237	22004.05
5093_5094	5093	5094	-182.046	555.789	0.385	-9.624	3.608	-28793.7
5094_5094	5094	5094	-2277.98	235.409	-6.701	-3.355	84.486	8061.39
5094_5095	5094	5095	2280.278	-210.118	6.701	3.355	-20.861	-5957.48
5095_5095	5095	5095	-2281.84	210.12	-5.693	-0.765	20.245	5965.079
5095_5096	5095	5096	2283.621	-190.06	5.693	0.765	23.902	-4422.27
5096_5096	5096	5096	-2283.63	190.06	-2.679	5.298	-23.902	4422.27
5096_5097	5096	5097	2285.403	-170.026	2.679	-5.298	44.647	-3036.76
5097_5097	5097	5097	-2285.41	129.9	0.183	-0.827	-44.647	3036.721
5097_5098	5097	5098	2287.627	-109.193	-0.183	0.827	43.18	-2090.39
5098_5098	5098	5098	-2287.63	109.193	0.183	-0.827	-43.18	2090.39
5098_5099	5098	5099	2289.842	-88.487	-0.183	0.827	41.713	-1309.78
5099_5099	5099	5099	-2289.84	88.487	3.111	1.426	-41.713	1309.783
5099_5100	5099	5100	2292.053	-67.808	-3.111	-1.426	16.847	-695.585
5100_5100	5100	5100	-2292.05	25.298	3.631	2.022	-16.847	695.585
5100_5101	5100	5101	2294.12	-9.769	-3.631	-2.022	-4.949	-599.816
5101_5101	5101	5101	-2294.11	9.769	7.651	4.052	4.949	599.812
5101_5102	5101	5102	2296.177	5.759	-7.651	-4.052	-50.87	-597.252
5102_5102	5102	5102	-2296.18	-5.759	-8.425	-4.269	50.87	597.254
5102_5103	5102	5103	2298.243	21.29	8.425	4.269	-0.293	-687.923
5103_5103	5103	5103	-2298.25	-21.29	-4.534	-2.057	0.293	687.927
5103_5104	5103	5104	2300.316	36.795	4.534	2.057	26.879	-871.44
5104_5104	5104	5104	-2300.32	-79.576	-2.992	-1.973	-26.879	871.446
5104_5105	5104	5105	2303.598	100.283	2.992	1.973	50.827	-1605.95
5105_5105	5105	5105	-2303.6	-100.283	-0.069	0.897	-50.827	1605.95
5105_5106	5105	5106	2306.876	120.963	0.069	-0.897	51.375	-2504.93
5106_5106	5106	5106	-2306.88	-120.963	0.022	1.021	-51.375	2504.925
5106_5107	5106	5107	2310.156	141.669	-0.022	-1.021	51.199	-3570.65
5107_5107	5107	5107	-2310.15	-181.648	4.294	-3.22	-51.199	3570.7
5107_5108	5107	5108	2313.773	201.706	-4.294	3.22	17.909	-5072.86
5108_5108	5108	5108	-2313.77	-201.706	4.205	-3.439	-17.909	5072.863
5108_5109	5108	5109	2317.393	221.739	-4.205	3.439	-14.654	-6728.3
5109_5109	5109	5109	-2318	-221.748	6.747	4.681	14.239	6731.318
5109_5110	5109	5110	2322.623	247.062	-6.747	-4.681	-78.355	-8979.48
5110_5110	5110	5110	154.217	538.068	0.011	-20.238	8.791	29837.53
5110_5111	5110	5111	-137.925	-499.404	-0.011	20.239	-8.927	-23338.8
5111_5111	5111	5111	124.061	504.465	-0.073	19.525	4.784	23336.87
5111_5112	5111	5112	-108.241	-468.095	0.073	-19.525	-3.866	-17263.9
5112_5112	5112	5112	92.811	437.022	0.117	-3.203	5.795	17263.13
5112_5113	5112	5113	-79.75	-400.18	-0.117	3.203	-7.355	-11718.7
5113_5113	5113	5113	510.569	398.891	-0.15	4.091	13.82	9343.26
5113_5114	5113	5114	-515.709	-369.1	0.15	-4.096	-12.051	-4879.91
5114_5114	5114	5114	507.412	330.53	-0.017	0.676	12.157	4880.85
5114_5115	5114	5115	-495.683	-309.963	0.017	-0.679	-12.014	-2311.45
5115_5115	5115	5115	550.801	312.613	-0.05	-0.036	11.87	1867.432
5115_5116	5115	5116	-507.591	-279.079	0.05	0.036	-11.161	2142.72
5116_5116	5116	5116	507.591	238.197	-0.247	3.731	11.161	-2142.72
5116_5117	5116	5117	-475.308	-211.799	0.247	-3.731	-8.396	4513.359
5117_5117	5117	5117	475.308	211.799	-0.29	-3.521	8.396	-4513.36
5117_5118	5117	5118	-443.026	-185.402	0.29	3.521	-5.143	6587.994
5118_5118	5118	5118	443.026	146.516	0.007	4.898	5.143	-6588

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5118_5119	5118	5119	-411.351	-120.12	-0.007	-4.898	-5.222	7933.258
5119_5119	5119	5119	411.351	120.12	-0.036	-4.773	5.222	-7933.26
5119_5120	5119	5120	-379.677	-93.724	0.036	4.773	-4.814	8982.557
5120_5120	5120	5120	379.677	53.307	-0.154	14.275	4.814	-8982.55
5120_5121	5120	5121	-346.566	-24.933	0.154	-14.275	-2.957	9297.457
5121_5121	5121	5121	346.565	24.933	-0.275	-14.186	2.957	-9297.46
5121_5122	5121	5122	-313.482	3.416	0.275	14.186	0.351	9270.591
5122_5122	5122	5122	313.482	-43.101	-0.111	4.448	-0.351	-9270.6
5122_5123	5122	5123	-283.357	69.496	0.111	-4.448	1.592	8496.725
5123_5123	5123	5123	283.357	-69.496	-0.154	-4.441	-1.592	-8496.73
5123_5124	5123	5124	-253.233	95.89	0.154	4.441	3.32	7426.962
5124_5124	5124	5124	253.226	-133.986	0.001	5.701	-3.32	-7426.93
5124_5125	5124	5125	-223.621	160.381	-0.001	-5.701	3.311	5636.448
5125_5125	5125	5125	223.62	-160.381	-0.086	-5.758	-3.311	-5636.45
5125_5126	5125	5126	-194.015	186.774	0.086	5.758	4.275	3550.105
5126_5126	5126	5126	194.008	-222.454	-0.492	-0.089	-4.275	-3550.1
5126_5127	5126	5127	-157.468	254.639	0.492	0.089	11.004	115.633
5127_5127	5127	5127	161.236	-252.811	-0.553	-0.043	-11.048	-73.858
5127_5128	5127	5128	-138.719	271.748	0.553	0.043	15.614	-2193.85
5128_5128	5128	5128	145.887	-305.364	1.307	-4.938	-15.782	2194.535
5128_5129	5128	5129	-119.349	332.676	-1.307	4.94	0.415	-6086.23
5129_5129	5129	5129	120.277	-328.087	1.127	9.073	-2.552	6133.592
5129_5130	5129	5130	-109.831	363.858	-1.127	-9.065	-12.411	-10829.3
5130_5130	5130	5130	123.613	-397.72	-3.439	-7.527	11.207	10831.52
5130_5131	5130	5131	-124.8	433.073	3.439	7.515	31.953	-16114.8
5131_5131	5131	5131	136.871	-427.665	-3.482	7.666	-30.464	16118.08
5131_5132	5131	5132	-144.815	465.219	3.482	-7.679	74.286	-21787.8
5132_5132	5132	5132	-1926.91	227.154	23.116	9.682	-285.838	5869.491
5132_5133	5132	5133	1929.142	-202.684	-23.116	-9.682	66.238	-3839.05
5133_5133	5133	5133	-1937.42	202.684	25.857	15.451	-66.09	3879.595
5133_5134	5133	5134	1939.594	-184.434	-25.857	-15.451	-134.305	-2390.46
5134_5134	5134	5134	-1939.75	184.434	-1.402	-23.319	134.305	2390.413
5134_5135	5134	5135	1941.931	-166.158	1.402	23.319	-123.426	-1040.99
5135_5135	5135	5135	-1941.91	118.209	-3.435	-0.702	123.426	1041.341
5135_5136	5135	5136	1943.736	-99.368	3.435	0.702	-95.948	-180.565
5136_5136	5136	5136	-1943.74	99.368	-0.791	0.413	95.948	180.565
5136_5137	5136	5137	1945.564	-80.528	0.791	-0.413	-89.621	529.468
5137_5137	5137	5137	-1945.56	80.528	-3.464	0.125	89.621	-529.468
5137_5138	5137	5138	1947.383	-61.711	3.464	-0.125	-61.939	1088.173
5138_5138	5138	5138	-1947.39	16.486	-3.312	0.172	61.939	-1088.29
5138_5139	5138	5139	1949.162	-2.355	3.312	-0.172	-42.068	1136.087
5139_5139	5139	5139	-1949.16	2.355	0.213	-0.324	42.068	-1136.09
5139_5140	5139	5140	1950.932	11.775	-0.213	0.324	-43.347	1099.094
5140_5140	5140	5140	-1950.93	-11.775	-3.312	0.05	43.347	-1099.09
5140_5141	5140	5141	1952.698	25.906	3.312	-0.05	-23.475	977.311
5141_5141	5141	5141	-1952.7	-25.906	0.213	-0.061	23.475	-977.312
5141_5142	5141	5142	1954.468	40.036	-0.213	0.061	-24.754	770.745
5142_5142	5142	5142	-1954.47	-84.439	-2.212	-0.049	24.754	-770.859
5142_5143	5142	5143	1957.235	103.279	2.212	0.049	-7.058	6.735
5143_5143	5143	5143	-1957.24	-103.279	-2.212	-0.049	7.058	-6.735
5143_5144	5143	5144	1960	122.12	2.212	0.049	10.638	-908.122
5144_5144	5144	5144	-1960	-122.12	-2.212	-0.049	-10.638	908.122
5144_5145	5144	5145	1962.766	140.961	2.212	0.049	28.334	-1973.71

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5145_5145	5145	5145	-1962.76	-181.624	-0.845	2.196	-28.334	1973.623
5145_5146	5145	5146	1965.957	199.876	0.845	-2.196	34.883	-3466.91
5146_5146	5146	5146	-1965.96	-199.876	-0.845	2.196	-34.883	3466.91
5146_5147	5146	5147	1969.152	218.127	0.845	-2.196	41.432	-5101.66
5147_5147	5147	5147	-1955.84	-218.122	-3.499	-5.613	-41.362	5036.709
5147_5148	5147	5148	1959.36	242.594	3.499	5.613	74.607	-7241.64
5148_5148	5148	5148	127.746	449.581	0.018	-8.807	-8.918	23493.7
5148_5149	5148	5149	-106.953	-412.182	-0.018	8.803	8.698	-18089.9
5149_5149	5149	5149	95.393	417.574	-0.022	8.131	-10.453	18087.41
5149_5150	5149	5150	-76.211	-382.417	0.022	-8.135	10.728	-13078.5
5150_5150	5150	5150	63.411	355.978	0.111	-0.627	-9.933	13077.02
5150_5151	5150	5151	-49.377	-320.395	-0.111	0.626	8.462	-8580.58
5151_5151	5151	5151	577.505	317.62	0.032	0.273	-7.066	5693.266
5151_5152	5151	5152	-580.613	-289.471	-0.032	-0.274	6.688	-2192.07
5152_5152	5152	5152	574.03	252.909	0.106	-0.066	-6.674	2192.724
5152_5153	5152	5153	-558.664	-233.487	-0.106	0.067	5.802	-273.135
5153_5153	5153	5153	590.657	236.673	0.107	0.034	-5.851	104.472
5153_5154	5153	5154	-543.26	-205.321	-0.107	-0.034	4.38	2724.41
5154_5154	5154	5154	543.26	163.692	0.106	0.018	-4.38	-2724.41
5154_5155	5154	5155	-506.638	-138.592	-0.106	-0.018	3.214	4226.733
5155_5155	5155	5155	506.638	138.592	0.106	0.018	-3.214	-4226.73
5155_5156	5155	5156	-470.016	-113.492	-0.106	-0.018	2.049	5452.939
5156_5156	5156	5156	470.018	73.855	0.038	-0.017	-2.049	-5452.94
5156_5157	5156	5157	-436.691	-51.014	-0.038	0.017	1.673	5932.121
5157_5157	5157	5157	436.691	51.014	0.038	0.076	-1.673	-5932.12
5157_5158	5157	5158	-403.398	-28.196	-0.038	-0.076	1.292	6182.51
5158_5158	5158	5158	403.39	-9.771	0.092	-3.83	-1.292	-6182.49
5158_5159	5158	5159	-370.216	32.612	-0.092	3.83	0.367	5825.281
5159_5159	5159	5159	370.216	-32.612	0.146	3.88	-0.367	-5825.28
5159_5160	5159	5160	-337.042	55.453	-0.146	-3.88	-1.097	5239.422
5160_5160	5160	5160	337.042	-95.619	0.117	0.029	1.097	-5239.45
5160_5161	5160	5161	-300.583	120.719	-0.117	-0.029	-2.386	3890.247
5161_5161	5161	5161	300.583	-120.719	0.117	0.029	2.386	-3890.25
5161_5162	5161	5162	-264.125	145.819	-0.117	-0.029	-3.675	2264.932
5162_5162	5162	5162	264.137	-184.365	-0.101	-0.048	3.675	-2264.91
5162_5163	5162	5163	-217.378	215.718	0.101	0.048	-2.283	-687.981
5163_5163	5163	5163	221.092	-213.295	-0.144	0.177	2.253	682.647
5163_5164	5163	5164	-194.069	232.761	0.144	-0.179	-1.062	-2643.08
5164_5164	5164	5164	200.521	-268.704	0.181	2.936	1.156	2643.767
5164_5165	5164	5165	-166.511	296.8	-0.181	-2.931	-3.281	-6137.39
5165_5165	5165	5165	153.549	-291.305	0.34	-4.344	2.512	6254.414
5165_5166	5165	5166	-133.091	327.538	-0.34	4.348	-7.02	-10521.6
5166_5166	5166	5166	145.871	-359.358	0.193	-6.529	6.716	10524.03
5166_5167	5166	5167	-139.668	395.095	-0.193	6.525	-9.143	-15389.2
5167_5167	5167	5167	150.787	-388.633	0.149	7.011	10.579	15392.71
5167_5168	5167	5168	-155.009	426.519	-0.149	-7.015	-12.459	-20630.7
5168_5168	5168	5168	-1830.64	246.436	-1.354	-2.494	9.682	6145.596
5168_5169	5168	5169	1835.436	-221.63	1.354	2.494	3.186	-3943.68
5169_5169	5169	5169	-1842.77	221.622	1.195	3.066	-2.961	3979.479
5169_5170	5169	5170	1847.053	-202.891	-1.195	-3.066	-6.291	-2355.85
5170_5170	5170	5170	-1847.05	202.891	-1.437	-0.656	6.291	2355.851
5170_5171	5170	5171	1851.339	-184.135	1.437	0.656	4.846	-875.37
5171_5171	5171	5171	-1851.33	138.431	1.662	0.445	-4.846	875.236

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5171_5172	5171	5172	1855.984	-119.071	-1.662	-0.445	-8.45	134.035
5172_5172	5172	5172	-1855.98	119.071	-0.915	-0.221	8.45	-134.035
5172_5173	5172	5173	1860.641	-99.711	0.915	0.221	-1.132	988.428
5173_5173	5173	5173	-1860.64	99.711	-0.915	-0.221	1.132	-988.428
5173_5174	5173	5174	1865.297	-80.351	0.915	0.221	6.186	1687.929
5174_5174	5174	5174	-1865.3	32.549	1.966	-0.802	-6.186	-1688.06
5174_5175	5174	5175	1869.083	-18.029	-1.966	0.802	-5.609	1823.097
5175_5175	5175	5175	-1869.08	18.029	-1.47	0.871	5.609	-1823.1
5175_5176	5175	5176	1872.865	-3.509	1.47	-0.871	3.21	1871.014
5176_5176	5176	5176	-1872.87	3.509	1.966	-0.811	-3.21	-1871.01
5176_5177	5176	5177	1876.647	11.011	-1.966	0.811	-8.584	1831.805
5177_5177	5177	5177	-1876.65	-11.011	-1.47	0.736	8.584	-1831.81
5177_5178	5177	5178	1880.429	25.531	1.47	-0.736	0.235	1705.468
5178_5178	5178	5178	-1880.43	-73.426	-0.481	-0.375	-0.235	-1705.61
5178_5179	5178	5179	1885.791	92.787	0.481	0.375	4.081	1017.286
5179_5179	5179	5179	-1885.79	-92.787	-0.481	-0.375	-4.081	-1017.29
5179_5180	5179	5180	1891.148	112.147	0.481	0.375	7.928	174.072
5180_5180	5180	5180	-1891.15	-112.147	2.096	0.731	-7.928	-174.072
5180_5181	5180	5181	1896.504	131.507	-2.096	-0.731	-8.839	-824.02
5181_5181	5181	5181	-1896.5	-175.733	-1.607	-0.89	8.839	824.034
5181_5182	5181	5182	1902.281	194.489	1.607	0.89	3.62	-2283.82
5182_5182	5182	5182	-1902.28	-194.489	1.052	3.572	-3.62	2283.817
5182_5183	5182	5183	1908.063	213.244	-1.052	-3.572	-4.535	-3888.94
5183_5183	5183	5183	-1894.98	-213.235	-1.533	-2.838	4.708	3825.087
5183_5184	5183	5184	1901.732	238.042	1.533	2.838	9.854	-5998
5184_5184	5184	5184	138.04	442.395	-0.056	7.398	-9.154	20509.77
5184_5185	5184	5185	-111.56	-404.797	0.056	-7.397	9.857	-15177.7
5185_5185	5185	5185	100.114	411.85	0	-6.982	-8.326	15174.87
5185_5186	5185	5186	-76.72	-376.458	0	6.983	8.326	-10217.9
5186_5186	5186	5186	63.742	347.284	-0.372	-0.496	-8.907	10216.26
5186_5187	5186	5187	-48.253	-311.37	0.372	0.493	13.841	-5812.78
5187_5187	5187	5187	554.407	310.658	0.075	0.264	-1.979	3043.887
5187_5188	5187	5188	-560.679	-281.286	-0.075	-0.259	1.103	396.841
5188_5188	5188	5188	554.19	241.317	-0.043	-0.002	-1.094	-395.817
5188_5189	5188	5189	-543.326	-221.039	0.043	0	1.452	2234.783
5189_5189	5189	5189	561.647	224.701	-0.051	-0.056	-1.364	-2231.8
5189_5190	5189	5190	-525.476	-190.443	0.051	0.056	2.06	4928.409
5190_5190	5190	5190	525.475	146.614	0.207	-0.03	-2.06	-4928.41
5190_5191	5190	5191	-496.405	-119.207	-0.207	0.03	-0.219	6264.08
5191_5191	5191	5191	496.405	119.207	0.207	-0.03	0.219	-6264.08
5191_5192	5191	5192	-467.334	-91.801	-0.207	0.03	-2.497	7298.262
5192_5192	5192	5192	467.345	48.892	-0.169	0.043	2.497	-7298.27
5192_5193	5192	5193	-440.498	-23.928	0.169	-0.043	-0.806	7546.588
5193_5193	5193	5193	440.498	23.928	-0.169	-0.07	0.806	-7546.59
5193_5194	5193	5194	-413.624	1.062	0.169	0.07	0.893	7544.615
5194_5194	5194	5194	413.603	-42.374	0.159	-0.015	-0.893	-7544.62
5194_5195	5194	5195	-386.634	67.363	-0.159	0.015	-0.705	6877.404
5195_5195	5195	5195	386.634	-67.363	0.159	-0.015	0.705	-6877.4
5195_5196	5195	5196	-359.665	92.353	-0.159	0.015	-2.303	5959.522
5196_5196	5196	5196	359.672	-136.344	-0.024	-0.016	2.303	-5959.52
5196_5197	5196	5197	-329.944	163.751	0.024	0.016	-2.04	4180.365
5197_5197	5197	5197	329.944	-163.751	-0.024	-0.016	2.04	-4180.37
5197_5198	5197	5198	-300.215	191.157	0.024	0.016	-1.777	2099.719

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5198_5198	5198	5198	300.218	-234.163	0.027	-0.01	1.777	-2099.72
5198_5199	5198	5199	-261.693	268.396	-0.027	0.01	-2.154	-1519.26
5199_5199	5199	5199	264.854	-265.404	0.025	-0.011	2.065	1444.663
5199_5200	5199	5200	-241.509	286.615	-0.025	0.01	-2.272	-3832.26
5200_5200	5200	5200	249.432	-327.654	-0.006	0.888	2.303	3833.12
5200_5201	5200	5201	-220.159	358.27	0.006	-0.884	-2.235	-8021.34
5201_5201	5201	5201	216.103	-351.017	0.073	-1.298	4.316	8105.55
5201_5202	5201	5202	-202.187	391.608	-0.073	1.305	-5.281	-13161
5202_5202	5202	5202	217.521	-429.724	-0.092	8.289	6.123	13164.08
5202_5203	5202	5203	-214.477	469.593	0.092	-8.293	-4.966	-18911.9
5203_5203	5203	5203	227.617	-461.548	-0.04	-8.528	3.212	18916.38
5203_5204	5203	5204	-232.546	503.57	0.04	8.523	-2.705	-25079
5204_5204	5204	5204	-2098.77	268.606	-2.31	2.3	84.602	7593.005
5204_5205	5204	5205	2101.623	-240.741	2.31	-2.3	-62.656	-5187.45
5205_5205	5205	5205	-2104.08	240.74	-4.927	-3.521	63.887	4941.768
5205_5206	5205	5206	2106.685	-219.489	4.927	3.521	-25.7	-3170.71
5206_5206	5206	5206	-2106.69	219.489	-1.861	1.409	25.7	3170.71
5206_5207	5206	5207	2109.291	-198.238	1.861	-1.409	-11.279	-1564.38
5207_5207	5207	5207	-2109.28	150.925	-3.649	0.067	11.279	1564.376
5207_5208	5207	5208	2112.276	-128.988	3.649	-0.067	17.914	-458.663
5208_5208	5208	5208	-2112.28	128.988	-3.649	0.067	-17.914	458.663
5208_5209	5208	5209	2115.267	-107.052	3.649	-0.067	47.106	471.549
5209_5209	5209	5209	-2115.27	107.052	-3.649	0.067	-47.106	-471.549
5209_5210	5209	5210	2118.259	-85.116	3.649	-0.067	76.299	1226.26
5210_5210	5210	5210	-2118.3	36.462	1.349	-0.235	-76.299	-1226.26
5210_5211	5210	5211	2120.927	-20.01	-1.349	0.235	68.204	1383.659
5211_5211	5211	5211	-2120.93	20.01	-2.612	0.538	-68.204	-1383.66
5211_5212	5211	5212	2123.553	-3.558	2.612	-0.538	83.876	1442.336
5212_5212	5212	5212	-2123.55	3.558	1.349	-0.259	-83.876	-1442.34
5212_5213	5212	5213	2126.179	12.894	-1.349	0.259	75.782	1402.3
5213_5213	5213	5213	-2126.18	-12.894	-2.612	0.397	-75.782	-1402.3
5213_5214	5213	5214	2128.805	29.346	2.612	-0.397	91.454	1263.539
5214_5214	5214	5214	-2128.87	-77.77	1.731	0.315	-91.454	-1263.44
5214_5215	5214	5215	2132.86	99.706	-1.731	-0.315	77.607	535.494
5215_5215	5215	5215	-2132.86	-99.706	4.701	1.04	-77.607	-535.496
5215_5216	5215	5216	2136.851	121.642	-4.701	-1.04	39.993	-367.934
5216_5216	5216	5216	-2136.86	-121.642	1.731	-0.892	-39.993	367.935
5216_5217	5216	5217	2140.851	143.578	-1.731	0.892	26.146	-1446.88
5217_5217	5217	5217	-2140.87	-189.418	2.086	-16.608	-26.146	1446.722
5217_5218	5217	5218	2145.195	210.641	-2.086	16.608	10.001	-3014.33
5218_5218	5218	5218	-2145.19	-210.641	5.188	-10.972	-10.001	3014.343
5218_5219	5218	5219	2149.518	231.892	-5.188	10.972	-30.209	-4748.55
5219_5219	5219	5219	-2141.17	-231.889	19.713	28.653	30.297	4970.979
5219_5220	5219	5220	2146.264	259.752	-19.713	-28.653	-217.568	-7329.56
5220_5220	5220	5220	200.579	513.66	0.524	-35.17	-1.45	24707.44
5220_5221	5220	5221	-178.522	-471.929	-0.524	35.175	-5.144	-18504
5221_5221	5221	5221	165.206	479.848	0.364	34.477	-2.21	18500.46
5221_5222	5221	5222	-145.051	-440.322	-0.364	-34.473	-2.362	-12722.6
5222_5222	5222	5222	129.675	403.511	0.841	-2.552	5.648	12720.76
5222_5223	5222	5223	-114.794	-363.239	-0.841	2.497	-16.805	-7614.37
5223_5223	5223	5223	622.463	362.855	0.509	2.38	-1.123	4770.345
5223_5224	5223	5224	-624.332	-330.689	-0.509	-2.403	-4.862	-756.399
5224_5224	5224	5224	616.573	283.715	0.233	11.942	4.779	757.498

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5224_5225	5224	5225	-600.343	-261.465	-0.233	-11.937	-6.698	1400.499
5225_5225	5225	5225	573.786	265.785	0.018	-8.734	7.072	-1202.39
5225_5226	5225	5226	-527.246	-222.599	-0.018	8.734	-7.355	4769.072
5226_5226	5226	5226	527.237	169.019	0.799	20.004	7.355	-4769.02
5226_5227	5226	5227	-491.203	-135.871	-0.799	-20.004	-16.821	6418.325
5227_5227	5227	5227	491.209	135.871	0.574	-19.554	16.821	-6418.33
5227_5228	5227	5228	-455.171	-102.719	-0.574	19.554	-23.623	7674.821
5228_5228	5228	5228	454.996	49.695	0.388	21.296	23.623	-7673.37
5228_5229	5228	5229	-418.744	-14.465	-0.388	-21.296	-28.226	7895.214
5229_5229	5229	5229	418.737	14.632	0.163	-21.088	28.226	-7895.21
5229_5230	5229	5230	-384.716	20.603	-0.163	21.088	-30.164	7710.146
5230_5230	5230	5230	384.65	-74.755	-0.26	12.517	30.164	-7708.9
5230_5231	5230	5231	-350.265	110.975	0.26	-12.517	-26.993	6425.496
5231_5231	5231	5231	350.262	-110.804	-0.435	-13.066	26.993	-6425.49
5231_5232	5231	5232	-318.235	147.029	0.435	13.066	-21.689	4711.771
5232_5232	5232	5232	317.928	-202.543	4.584	5.295	21.689	-4710.98
5232_5233	5232	5233	-295.384	229.852	-4.584	-5.295	-63.817	2623.71
5233_5233	5233	5233	304.403	-226.967	5.33	-0.345	68.4	-2655.89
5233_5234	5233	5234	-287.361	247.874	-5.33	0.396	-105.116	942.741
5234_5234	5234	5234	291.421	-243.199	5.208	-5.567	105.009	-942.019
5234_5235	5234	5235	-272.625	266.869	-5.208	5.717	-145.332	-1124.89
5235_5235	5235	5235	279.318	-307.406	-4.433	-7.215	145.259	1124.829
5235_5236	5235	5236	-266.286	323.973	4.433	7.047	-121.452	-2890.99
5236_5236	5236	5236	226.311	-319.893	-6.326	-1.844	200.497	3132.575
5236_5237	5236	5237	-218.906	351.506	6.326	1.425	-146.967	-6047.86
5237_5237	5237	5237	224.743	-346.744	-6.413	11.417	148.027	6049.517
5237_5238	5237	5238	-222.451	371.803	6.413	-11.82	-105.676	-8475.79
5238_5238	5238	5238	233.146	-418.315	-2.468	-17.987	103.349	8476.054
5238_5239	5238	5239	-234.182	456.602	2.468	17.873	-78.977	-12869.2
5239_5239	5239	5239	259.405	-438.834	-2.567	12.875	82.989	12879.61
5239_5240	5239	5240	-270.021	481.642	2.567	-13.05	-55.56	-17871.5
5240_5240	5240	5240	-1925.28	319.064	-69.441	-5.252	1359.508	5821.865
5240_5241	5240	5241	1934.164	-274.412	69.441	5.252	-506.299	-2213.17
5241_5241	5241	5241	-1931.51	274.515	-60.55	6.99	508.799	2199.152
5241_5242	5241	5242	1935.118	-253.538	60.55	-6.99	-154.317	-668.752
5242_5242	5242	5242	-1935.17	253.613	-58.838	8.183	154.317	668.772
5242_5243	5242	5243	1938.538	-230.838	58.838	-8.183	219.654	856.347
5243_5243	5243	5243	-1940.75	187.86	-11.435	3.251	-219.654	-856.923
5243_5244	5243	5244	1948.129	-152.65	11.435	-3.251	332.023	2498.429
5244_5244	5244	5244	-1948.16	152.771	-3.952	-1.724	-332.023	-2498.44
5244_5245	5244	5245	1954.16	-117.696	3.952	1.724	370.712	3796.197
5245_5245	5245	5245	-1953.39	76.973	-15.95	5.897	-370.712	-3795.38
5245_5246	5245	5246	1958.64	-40.634	15.95	-5.897	532.475	4368.592
5246_5246	5246	5246	-1958.67	40.755	-8.399	-4.922	-532.475	-4368.67
5246_5247	5246	5247	1962.271	-6.778	8.399	4.922	612.111	4577.579
5247_5247	5247	5247	-1962.17	-36.426	-5.85	4.936	-612.111	-4576.69
5247_5248	5247	5248	1965.108	69.727	5.85	-4.936	666.481	4069.628
5248_5248	5248	5248	-1965.14	-69.606	1.057	-3.643	-666.481	-4069.52
5248_5249	5248	5249	1966.982	106.621	-1.057	3.643	655.567	3149.618
5249_5249	5249	5249	-1968.09	-146.153	37.576	1.17	-655.567	-3149.26
5249_5250	5249	5250	1968.816	182.387	-37.576	-1.17	275.599	1483.038
5250_5250	5250	5250	-1968.7	-182.265	43.37	0.977	-275.599	-1483.1
5250_5251	5250	5251	1968.066	216.348	-43.37	-0.977	-136.925	-412.267

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5251_5251	5251	5251	-1965.64	-271.204	-25.373	-36.694	136.925	411.037
5251_5252	5251	5252	1965.697	292.875	25.373	36.694	16.527	-2118.46
5252_5252	5252	5252	-1965.74	-292.799	-21.913	-31.11	-16.527	2118.517
5252_5253	5252	5253	1965.258	315.229	21.913	31.11	153.7	-4021.17
5253_5253	5253	5253	-1961.86	-315.129	-16.187	-16.79	-154.436	4004.606
5253_5254	5253	5254	1960.08	349.645	16.187	16.79	308.174	-7156.69
5254_5254	5254	5254	280.872	503.792	-77.582	231.594	-240.183	20496.71
5254_5255	5254	5255	-275.681	-492.739	77.582	-231.713	450.177	-19147.2
5255_5255	5255	5255	258.305	446.133	40.833	-25.619	-416.639	19138.83
5255_5256	5255	5256	-234.65	-396.067	-40.833	25.86	-98.059	-13829.6
5256_5256	5256	5256	225.339	404.372	40.557	38.867	91.491	13825.98
5256_5257	5256	5257	-209.817	-369.343	-40.557	-38.715	-462.088	-10286.5
5257_5257	5257	5257	200.829	319.95	-21.167	-31.935	467.155	10283.59
5257_5258	5257	5258	-190.845	-295.468	21.167	31.954	-329.259	-8275.47
5258_5258	5258	5258	186.203	300.307	-21.337	-10.393	327.248	8274.483
5258_5259	5258	5259	-177.473	-272.686	21.337	10.411	-168.339	-6132.51
5259_5259	5259	5259	118.09	279.056	-21.483	14.532	170.02	6421.826
5259_5260	5259	5260	-113.08	-254.767	21.483	-14.521	-4.905	-4350.56
5260_5260	5260	5260	637.814	207.647	2.185	14.609	-16.754	1680.759
5260_5261	5260	5261	-662.812	-188.251	-2.185	-14.62	3.839	-413.459
5261_5261	5261	5261	660.135	194.404	1.8	-0.042	-3.518	412.798
5261_5262	5261	5262	-680.27	-173.574	-1.8	0.037	-8.015	849.015
5262_5262	5262	5262	705.53	177.918	1.605	-6.097	7.624	-1158.54
5262_5263	5262	5263	-736.521	-138.962	-1.605	6.097	-27.183	3239.584
5263_5263	5263	5263	736.552	76.279	0.835	14.112	27.183	-3239.57
5263_5264	5263	5264	-769.454	-39.782	-0.835	-14.112	-36.72	4060.783
5264_5264	5264	5264	769.443	39.952	0.523	-12.687	36.72	-4060.74
5264_5265	5264	5265	-805.193	-2.765	-0.523	12.687	-42.803	4480.205
5265_5265	5265	5265	805.192	-50.993	0.426	19.956	42.803	-4480.14
5265_5266	5265	5266	-841.441	88.26	-0.426	-19.956	-47.776	3841.526
5266_5266	5266	5266	841.442	-88.09	-0.004	-19.77	47.776	-3841.55
5266_5267	5266	5267	-879.043	124.505	0.004	19.77	-47.729	2808.916
5267_5267	5267	5267	879.12	-180.045	1.61	18.402	47.729	-2808.92
5267_5268	5267	5268	-918.234	216.926	-1.61	-18.402	-66.308	704.143
5268_5268	5268	5268	918.247	-216.756	1.09	-19.069	66.308	-704.139
5268_5269	5268	5269	-959.452	253.532	-1.09	19.069	-78.853	-1807.2
5269_5269	5269	5269	959.473	-306.485	-0.893	5.035	78.853	1807.248
5269_5270	5269	5270	-991.376	334.808	0.893	-5.035	-70.936	-4498.15
5270_5270	5270	5270	991.362	-334.678	-1.208	-5.108	70.936	4498.198
5270_5271	5270	5271	-1024.43	362.884	1.208	5.108	-60.278	-7420.78
5271_5271	5271	5271	946.291	-358.022	-1.714	-6.167	51.321	8073.833
5271_5272	5271	5272	-957.014	380.008	1.714	6.148	-40.352	-10370.5
5272_5272	5272	5272	964.529	-437.072	11.734	-12.118	40.153	10370.12
5272_5273	5272	5273	-959.88	461.433	-11.734	12.179	-122.669	-13497
5273_5273	5273	5273	966.598	-453.39	11.52	-5.086	122.808	13496.37
5273_5274	5273	5274	-946.926	476.478	-11.52	5.178	-198.284	-16555.8
5274_5274	5274	5274	839.795	-469.579	11.903	13.177	185.868	17250.38
5274_5275	5274	5275	-795.118	514.419	-11.903	-12.888	-318.733	-22808.8
5275_5275	5275	5275	810.018	-568.146	-45.626	-44.688	315.179	22812.99
5275_5276	5275	5276	-759.806	609.139	45.626	43.568	134.824	-28729.2
5276_5276	5276	5276	772.231	-599.434	-46.042	41.229	-127.813	28729.51
5276_5277	5276	5277	-725.051	640.562	46.042	-42.472	568.518	-34787.4
5277_5277	5277	5277	386.892	-699.214	73.054	-70.629	-1052.84	37571.35

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5277_5278	5277	5278	-389.911	732.921	-73.054	70.163	485.898	-43176.4
5278_5278	5278	5278	-3053.29	451.825	35.644	10.081	-198.213	14816.92
5278_5279	5278	5279	3065.375	-415.204	-35.644	-10.081	-140.075	-10751.7
5279_5279	5279	5279	-3071.98	415.286	45.94	48.358	142.416	11053.11
5279_5280	5279	5280	3079.909	-391.659	-45.94	-48.358	-442.553	-8450.31
5280_5280	5280	5280	-3081.61	319.115	-57.78	-8.642	442.553	8451.604
5280_5281	5280	5281	3090.271	-276.937	57.78	8.642	231.327	-5011.61
5281_5281	5281	5281	-3090.43	277.091	-48.917	6.353	-231.327	5011.695
5281_5282	5281	5282	3097.494	-232.212	48.917	-6.353	838.365	-1881.17
5282_5282	5282	5282	-3146.23	180.554	4.979	-1.419	-851.575	2111.464
5282_5283	5282	5283	3157.626	-142.113	-4.979	1.419	789.898	-160.902
5283_5283	5283	5283	-3157.58	142.242	15.366	1.406	-789.898	160.814
5283_5284	5283	5284	3166.681	-105.988	-15.366	-1.406	610.357	1250.47
5284_5284	5284	5284	-3166.83	-9.176	13.192	0.368	-610.357	-1250.56
5284_5285	5284	5285	3169.904	44.162	-13.192	-0.368	461.616	936.557
5285_5285	5285	5285	-3169.84	-44.048	21.173	0.353	-461.616	-936.682
5285_5286	5285	5286	3171.322	75.291	-21.173	-0.353	248.429	329.002
5286_5286	5286	5286	-3171.32	-158.433	37.833	-3.235	-248.429	-328.76
5286_5287	5286	5287	3174.082	193.837	-37.833	3.235	-183.257	-1693.56
5287_5287	5287	5287	-3173.93	-193.715	49.352	6.149	183.257	1693.562
5287_5288	5287	5288	3175.174	229.301	-49.352	-6.149	-749.266	-4125.87
5288_5288	5288	5288	-3176.52	-231.899	-31.667	-21.899	749.266	4126.011
5288_5289	5288	5289	3177.384	244.306	31.667	21.899	-622.637	-5082.18
5289_5289	5289	5289	-3169.09	-244.235	-26.924	-10.745	622.939	4763.46
5289_5290	5289	5290	3170.218	276.012	26.924	10.745	-367.163	-7240.32
5290_5290	5290	5290	296.184	969.235	-22.838	12.96	90.785	32195.96
5290_5291	5290	5291	-281.414	-929.595	22.838	-13.093	147.771	-22311.9
5291_5291	5291	5291	249.08	848.109	1.52	-30.608	-143.435	22311.05
5291_5292	5291	5292	-233.681	-808.494	-1.52	30.646	126.936	-13355.4
5292_5292	5292	5292	212.239	815.925	1.364	31.029	-130.927	13353.25
5292_5293	5292	5293	-199.808	-781.413	-1.364	-31.004	117.656	-5613.27
5293_5293	5293	5293	179.993	696.446	3.7	-4.636	-115.678	5612.864
5293_5294	5293	5294	-172.358	-670.963	-3.7	4.631	88.683	-643.353
5294_5294	5294	5294	134.39	675.819	3.585	3.669	-86.54	766.649
5294_5295	5294	5295	-128.665	-652.516	-3.585	-3.671	59.167	4286.613
5295_5295	5295	5295	119.927	655.433	3.484	-0.222	-59.109	-4286.86
5295_5296	5295	5296	-116.918	-630.454	-3.484	0.222	30.538	9547.245
5296_5296	5296	5296	17.182	554.294	2.018	17.625	-13.169	-8987.57
5296_5297	5296	5297	-17.946	-541.71	-2.018	-17.625	4.795	11266.41
5297_5297	5297	5297	66.481	541.799	2.132	10.646	-10.278	-11539.8
5297_5298	5297	5298	-67.773	-509.512	-2.132	-10.646	-9.466	16417.61
5298_5298	5298	5298	67.78	509.592	2.044	-20.189	9.466	-16417.6
5298_5299	5298	5299	-69.867	-477.646	-2.044	20.189	-28.2	20954.21
5299_5299	5299	5299	69.798	402.087	-0.059	47.714	28.2	-20955.6
5299_5300	5299	5300	-72.234	-361.426	0.059	-47.714	-27.515	25423.49
5300_5300	5300	5300	72.22	361.53	-0.201	-38.31	27.515	-25423.4
5300_5301	5300	5301	-76.234	-318.327	0.201	38.31	-25.018	29658.94
5301_5301	5301	5301	76.226	238.7	-0.187	58.228	25.018	-29661.3
5301_5302	5301	5302	-81.043	-195.101	0.187	-58.228	-22.674	32400.27
5302_5302	5302	5302	81.062	195.206	-0.329	-54.942	22.674	-32400.4
5302_5303	5302	5303	-86.836	-154.973	0.329	54.942	-18.878	34451.58
5303_5303	5303	5303	86.822	77.129	1.634	68.997	18.878	-34453.8
5303_5304	5303	5304	-93.567	-31.774	-1.634	-68.997	-40.146	35197.39

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5304_5304	5304	5304	93.612	31.879	1.475	-72.318	40.146	-35197.6
5304_5305	5304	5305	-100.611	6.627	-1.475	72.318	-56.437	35372.83
5305_5305	5305	5305	100.572	-84.279	-0.317	55.445	56.437	-35375.3
5305_5306	5305	5306	-108.269	126.302	0.317	-55.445	-52.613	34145
5306_5306	5306	5306	108.27	-126.198	-0.437	-48.003	52.613	-34145
5306_5307	5306	5307	-117.299	167.968	0.437	48.003	-47.379	32427.85
5307_5307	5307	5307	117.315	-247.021	1.758	57.784	47.379	-32430.1
5307_5308	5307	5308	-126.666	288.438	-1.758	-57.784	-68.273	29295.72
5308_5308	5308	5308	126.667	-288.333	1.613	-50.344	68.273	-29295.7
5308_5309	5308	5309	-137.647	330.766	-1.613	50.344	-87.906	25581.95
5309_5309	5309	5309	137.679	-399.039	1.932	37.417	87.906	-25583.5
5309_5310	5309	5310	-147.997	441.034	-1.932	-37.417	-111.185	20573.95
5310_5310	5310	5310	148.013	-440.929	1.796	-32.835	111.185	-20574
5310_5311	5310	5311	-159.668	482.749	-1.796	32.835	-132.728	15090.23
5311_5311	5311	5311	159.545	-579.531	-5.585	13.778	132.728	-15090.8
5311_5312	5311	5312	-177.283	623.451	5.585	-13.778	-62.359	7599.206
5312_5312	5312	5312	177.275	-623.349	-5.757	-16.522	62.359	-7599.34
5312_5313	5312	5313	-193.735	661.101	5.757	16.522	0	724.45
5400_5020	5400	5020	2687.997	-244.248	21.885	0.868	-352.887	-3537.18
5400_5401	5400	5401	-2689.05	248.228	-21.885	-0.868	263.413	2530.47
5401_5401	5401	5401	2685.951	-244.531	22.625	-1.31	-257.117	-2530.55
5401_5402	5401	5402	-2686.86	247.924	-22.625	1.31	178.19	1671.592
5402_5402	5402	5402	2692.07	-183.38	17.615	-0.208	-179.1	-1671.5
5402_5403	5402	5403	-2695.16	193.932	-17.615	0.208	-13.28	-388.903
5403_5403	5403	5403	2691.695	-115.921	0.378	-0.76	11.493	388.901
5403_5404	5403	5404	-2693.95	122.816	-0.378	0.76	-14.22	-1249.07
5404_5404	5404	5404	2696.051	-61.296	-1.726	-0.102	14.546	1249.068
5404_5405	5404	5405	-2698.47	68.15	1.726	0.102	-2.088	-1716.29
5405_5405	5405	5405	2698.127	22.032	0.405	-0.405	1.171	1716.294
5405_5406	5405	5406	-2703.43	-8.527	-0.405	0.405	-7.004	-1496.08
5406_5406	5406	5406	2703.169	99.525	0.435	-0.729	6.193	1496.081
5406_5407	5406	5407	-2706.72	-91.345	-0.435	0.729	-10.044	-650.688
5407_5407	5407	5407	2704.204	148.184	-3.583	0.003	10.46	650.682
5407_5408	5407	5408	-2706.66	-142.845	3.583	-0.003	9.442	157.587
5408_5408	5408	5408	2683.694	-431.183	0.278	-1.202	-10.29	-157.587
5408_5409	5408	5409	-2684.39	434.298	-0.278	1.202	9.45	-1148.58
5409_5409	5409	5409	2679.68	416.611	7.008	0.24	-9.233	1149.241
5409_5410	5409	5410	-2678.98	-413.484	-7.008	-0.24	-11.995	107.969
5410_5410	5410	5410	2702.967	-161.797	-2.068	-0.034	11.88	-107.942
5410_5411	5410	5411	-2700.51	167.134	2.068	0.034	-0.393	-805.442
5411_5411	5411	5411	2703.427	-110.413	0.751	-0.867	0.751	805.441
5411_5412	5411	5412	-2699.87	118.59	-0.751	0.867	-7.406	-1819.51
5412_5412	5412	5412	2705.699	-27.231	0.161	-0.555	6.692	1819.533
5412_5413	5412	5413	-2700.39	40.74	-0.161	0.555	-9.01	-2309.46
5413_5413	5413	5413	2705.989	48.415	-1.179	0.332	8.25	2309.503
5413_5414	5413	5414	-2703.57	-41.565	1.179	-0.332	0.256	-1984.94
5414_5414	5414	5414	2701.919	103.298	1.048	-1.319	0.295	1984.944
5414_5415	5414	5415	-2699.66	-96.408	-1.048	1.319	-7.845	-1265.89
5415_5415	5415	5415	2704.798	174.676	-7.889	-0.41	8.905	1265.891
5415_5416	5415	5416	-2701.71	-164.124	7.889	0.41	77.254	584.144
5416_5416	5416	5416	2696.866	229.893	-16.758	-0.494	-76.717	-584.215
5416_5417	5416	5417	-2695.96	-226.495	16.758	0.494	135.256	1381.329
5417_5417	5417	5417	2699.806	224.226	-29.864	-1.487	-137.632	-1381.22

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5417_5036	5417	5036	-2698.76	-220.271	29.864	1.487	259.003	2284.481
5420_5056	5420	5056	2231.523	-227.854	13.697	0.951	-151.373	-3791.44
5420_5421	5420	5421	-2232.45	231.387	-13.697	-0.951	95.287	2851.233
5421_5421	5421	5421	2228.924	-228.123	8.052	0.004	-92.192	-2851.24
5421_5422	5421	5422	-2229.73	231.128	-8.052	-0.004	64.118	2050.602
5422_5422	5422	5422	2234.633	-177.582	6.77	0.338	-64.453	-2050.59
5422_5423	5422	5423	-2237.37	186.928	-6.77	-0.338	-9.449	60.965
5423_5423	5423	5423	2235.281	-124.012	0.618	0.075	7.791	-60.969
5423_5424	5423	5424	-2237.28	130.129	-0.618	-0.075	-12.246	-855.647
5424_5424	5424	5424	2239.735	-77.046	-1.155	0.471	12.486	855.643
5424_5425	5424	5425	-2241.88	83.109	1.155	-0.471	-4.16	-1432.81
5425_5425	5425	5425	2241.899	-10.502	-0.193	0.293	4.144	1432.813
5425_5426	5425	5426	-2246.6	22.474	0.193	-0.293	-1.367	-1670.55
5426_5426	5426	5426	2246.408	53.459	1.79	-0.585	0.845	1670.551
5426_5427	5426	5427	-2249.56	-46.217	-1.79	0.585	-16.69	-1229.34
5427_5427	5427	5427	2248.14	92.197	-3.235	1.771	17.913	1229.324
5427_5428	5427	5428	-2250.33	-87.434	3.235	-1.771	0.07	-730.117
5428_5428	5428	5428	2225.517	-389.424	1.743	-0.304	-0.528	730.121
5428_5429	5428	5429	-2226.14	392.203	-1.743	0.304	-4.737	-1910.3
5429_5429	5429	5429	2227.219	398.822	-4.983	0.703	4.647	1912.313
5429_5430	5429	5430	-2226.6	-396.034	4.983	-0.703	10.445	-708.546
5430_5430	5430	5430	2254.045	-84.575	1.462	0.064	-9.161	708.541
5430_5431	5430	5431	-2251.86	89.329	-1.462	-0.064	1.046	-1191.04
5431_5431	5431	5431	2253.261	-40.704	0.934	0.363	-1.165	1191.043
5431_5432	5431	5432	-2250.11	47.954	-0.934	-0.363	-7.106	-1583.84
5432_5432	5432	5432	2251.698	27.104	-0.399	0.249	6.992	1583.864
5432_5433	5432	5433	-2247	-15.135	0.399	-0.249	-1.247	-1279.43
5433_5433	5433	5433	2248.3	88.774	1.511	0.284	1.94	1279.45
5433_5434	5433	5434	-2246.16	-82.705	-1.511	-0.284	-12.842	-660.93
5434_5434	5434	5434	2243.69	133.897	0.757	0.218	12.771	660.931
5434_5435	5434	5435	-2241.69	-127.793	-0.757	-0.218	-18.219	281.18
5435_5435	5435	5435	2243.716	192.983	-15.757	-1.333	20.937	-281.164
5435_5436	5435	5436	-2240.98	-183.625	15.757	1.333	151.285	2339.245
5436_5436	5436	5436	2236.064	236.214	-12.886	5.313	-152.101	-2339.19
5436_5437	5436	5437	-2235.26	-233.211	12.886	-5.313	197.007	3157.108
5437_5437	5437	5437	2238.935	236.69	-24.892	-1.27	-201.291	-3157.42
5437_5072	5437	5072	-2238.01	-233.16	24.892	1.27	303.136	4118.613
5440_5094	5440	5094	2540.702	-210.847	10.659	0.516	-85.46	-2445.48
5440_5441	5440	5441	-2541.62	214.339	-10.659	-0.516	41.894	1576.585
5441_5441	5441	5441	2536.18	-211.34	5.16	0.236	-40.77	-1576.59
5441_5442	5441	5442	-2536.98	214.32	-5.16	-0.236	22.762	833.842
5442_5442	5442	5442	2541.391	-153.391	2.402	-0.139	-23.019	-833.835
5442_5443	5442	5443	-2544.1	162.656	-2.402	0.139	-3.223	-892.636
5443_5443	5443	5443	2540.941	-88.033	1.568	-0.788	2.115	892.636
5443_5444	5443	5444	-2542.92	94.08	-1.568	0.788	-13.408	-1548.32
5444_5444	5444	5444	2544.405	-36.037	-1.488	0.775	14.046	1548.313
5444_5445	5444	5445	-2546.53	42.048	1.488	-0.775	-3.313	-1829.97
5445_5445	5445	5445	2544.455	42.536	-0.327	0.038	4.729	1829.977
5445_5446	5445	5446	-2549.11	-30.682	0.327	-0.038	-0.01	-1302.3
5446_5446	5446	5446	2545.981	116.778	1.806	0.071	0.88	1302.305
5446_5447	5446	5447	-2549.1	-109.601	-1.806	-0.071	-16.879	-299.776
5447_5447	5447	5447	2546.308	162.001	0.373	-0.112	16.952	299.772
5447_5448	5447	5448	-2548.48	-157.28	-0.373	0.112	-19.025	587.697

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5448_5448	5448	5448	2531.473	-383.911	-7.769	3.682	20.862	-587.706
5448_5449	5448	5449	-2532.09	386.669	7.769	-3.682	2.631	-577.406
5449_5449	5449	5449	2531.434	383.807	8.621	-3.797	-2.605	577.689
5449_5450	5449	5450	-2530.82	-381.049	-8.621	3.797	-23.471	578.997
5450_5450	5450	5450	2546.779	-161.648	-1.753	0.14	22.247	-578.976
5450_5451	5450	5451	-2544.61	166.361	1.753	-0.14	-12.518	-331.355
5451_5451	5451	5451	2547.579	-112.09	-1.102	-0.21	12.555	331.354
5451_5452	5451	5452	-2544.46	119.269	1.102	0.21	-2.795	-1356.04
5452_5452	5452	5452	2547.507	-33.143	0.128	-0.087	1.697	1356.039
5452_5453	5452	5453	-2542.85	44.998	-0.128	0.087	-3.536	-1919.21
5453_5453	5453	5453	2544.428	39.457	0.569	-0.147	2.789	1919.213
5453_5454	5453	5454	-2542.31	-33.447	-0.569	0.147	-6.891	-1656.25
5454_5454	5454	5454	2540.844	92.506	0.057	0.031	6.776	1656.254
5454_5455	5454	5455	-2538.86	-86.451	-0.057	-0.031	-7.185	-1011.14
5455_5455	5455	5455	2540.111	159.379	-2.412	0.037	7.665	1011.148
5455_5456	5455	5456	-2537.4	-150.124	2.412	-0.037	18.661	677.91
5456_5456	5456	5456	2533.011	211.575	-4.784	-0.16	-18.481	-677.915
5456_5457	5456	5457	-2532.22	-208.596	4.784	0.16	35.173	1410.96
5457_5457	5457	5457	2537.731	213.44	-10.874	-0.492	-36.097	-1410.94
5457_5110	5457	5110	-2536.81	-209.939	10.874	0.492	80.639	2278.059
5460_5132	5460	5132	2155.21	-225.852	-6.79	-1.069	225.24	-3692.15
5460_5461	5460	5461	-2156.13	229.36	6.79	1.069	-197.372	2757.964
5461_5461	5461	5461	2151.411	-226.794	-17.815	0.916	189.727	-2757.94
5461_5462	5461	5462	-2152.21	229.771	17.815	-0.916	-127.587	1961.667
5462_5462	5462	5462	2157.115	-178.065	-15.887	-0.349	128.099	-1961.63
5462_5463	5462	5463	-2159.83	187.325	15.887	0.349	45.396	-33.467
5463_5463	5463	5463	2149.738	-121.038	0.488	0.799	-42.204	33.356
5463_5464	5463	5464	-2151.72	127.091	-0.488	-0.799	38.69	-927.512
5464_5464	5464	5464	2154.079	-77.067	6.515	-0.931	-39.588	927.474
5464_5465	5464	5465	-2156.2	83.076	-6.515	0.931	-7.396	-1504.92
5465_5465	5465	5465	2140.862	-0.784	-0.384	-0.08	6.85	1504.866
5465_5466	5465	5466	-2145.52	12.633	0.384	0.08	-1.317	-1601.53
5466_5466	5466	5466	2119.533	80.126	-1.46	0.479	2.084	1601.626
5466_5467	5466	5467	-2122.65	-72.951	1.46	-0.479	10.842	-923.914
5467_5467	5467	5467	2120.703	116.568	2.548	-1.001	-11.612	923.905
5467_5468	5467	5468	-2122.87	-111.848	-2.548	1.001	-2.551	-289.167
5468_5468	5468	5468	2074.393	-302.446	0.85	-0.55	2.41	289.164
5468_5469	5468	5469	-2075.01	305.203	-0.85	0.55	-4.98	-1207.65
5469_5469	5469	5469	2066.939	301.038	0.034	0.46	-12.321	1185.565
5469_5470	5469	5470	-2066.32	-298.281	-0.034	-0.46	12.219	-279.671
5470_5470	5470	5470	2114.653	-114.395	1.844	-0.539	-11.83	279.691
5470_5471	5470	5471	-2112.48	119.115	-1.844	0.539	1.583	-928.583
5471_5471	5471	5471	2114.521	-74.706	0.247	0.186	-1.894	928.582
5471_5472	5471	5472	-2111.4	81.889	-0.247	-0.186	-0.292	-1622.59
5472_5472	5472	5472	2138.889	8.38	0.318	-0.082	-0.42	1622.488
5472_5473	5472	5473	-2134.23	3.469	-0.318	0.082	-4.168	-1587.11
5473_5473	5473	5473	2152.18	75.912	-0.613	-0.107	3.086	1587.131
5473_5474	5473	5474	-2150.06	-69.903	0.613	0.107	1.333	-1061.36
5474_5474	5474	5474	2147.854	119.858	-0.763	0	-1.36	1061.363
5474_5475	5474	5475	-2145.88	-113.805	0.763	0	6.862	-219.324
5475_5475	5475	5475	2157.987	177.536	3.436	-0.013	-7.587	219.327
5475_5476	5475	5476	-2155.27	-168.275	-3.436	0.013	-29.937	1668.985
5476_5476	5476	5476	2150.615	219.937	4.283	-0.056	29.748	-1668.99

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5476_5477	5476	5477	-2149.82	-216.959	-4.283	0.056	-44.687	2431.007
5477_5477	5477	5477	2154.092	220.247	1.216	0.309	47.718	-2430.94
5477_5148	5477	5148	-2153.17	-216.748	-1.216	-0.309	-52.698	3325.671
5480_5168	5480	5168	2085.263	-239.751	2.772	0.068	7.221	-4419.47
5480_5481	5480	5481	-2086.18	243.251	-2.772	-0.068	-18.573	3430.52
5481_5481	5481	5481	2083.076	-241.493	-4.634	-4.821	15.155	-3430.44
5481_5482	5481	5482	-2083.87	244.471	4.634	4.821	1.008	2582.858
5482_5482	5482	5482	2089.191	-193.881	0.357	1.548	0.735	-2582.86
5482_5483	5482	5483	-2091.9	203.132	-0.357	-1.548	-4.631	416.865
5483_5483	5483	5483	2094.158	-141.83	-1.593	0.355	4.592	-416.874
5483_5484	5483	5484	-2096.14	147.883	1.593	-0.355	6.887	-627.148
5484_5484	5484	5484	2099.008	-99.133	1.416	-0.399	-7.199	627.144
5484_5485	5484	5485	-2101.13	105.142	-1.416	0.399	-3.009	-1363.71
5485_5485	5485	5485	2096.606	-26.954	-0.187	-0.032	3.535	1363.75
5485_5486	5485	5486	-2101.26	38.812	0.187	0.032	-0.838	-1837.87
5486_5486	5486	5486	2087.191	52.338	-2.014	0.208	0.645	1837.987
5486_5487	5486	5487	-2090.31	-45.163	2.014	-0.208	17.189	-1406.32
5487_5487	5487	5487	2088.941	88.131	-0.471	-0.457	-17.649	1406.314
5487_5488	5487	5488	-2091.11	-83.412	0.471	0.457	20.268	-929.618
5488_5488	5488	5488	2047.398	-326.543	-0.938	-0.666	-21.231	929.656
5488_5489	5488	5489	-2048.02	329.3	0.938	0.666	24.067	-1920.99
5489_5489	5489	5489	2048.743	330.485	-2.125	1.013	14.336	1922.422
5489_5490	5489	5490	-2048.13	-327.728	2.125	-1.013	-7.912	-927.507
5490_5490	5490	5490	2095.822	-82.978	0.557	-0.524	7.515	927.485
5490_5491	5490	5491	-2093.65	87.698	-0.557	0.524	-10.608	-1401.77
5491_5491	5491	5491	2095.014	-44.633	-0.99	0.284	10.149	1401.775
5491_5492	5491	5492	-2091.9	51.808	0.99	-0.284	-1.387	-1828.75
5492_5492	5492	5492	2109.647	38.927	-0.266	0.001	0.837	1828.809
5492_5493	5492	5493	-2104.99	-27.068	0.266	-0.001	3	-1353.04
5493_5493	5493	5493	2113.785	105.192	1.356	-0.388	-2.743	1353.045
5493_5494	5493	5494	-2111.67	-99.184	-1.356	0.388	-7.039	-616.112
5494_5494	5494	5494	2108.79	148.227	-1.67	0.354	6.732	616.116
5494_5495	5494	5495	-2106.81	-142.175	1.67	-0.354	5.305	430.39
5495_5495	5495	5495	2110.118	204.216	0.827	1.548	-5.637	-430.376
5495_5496	5495	5496	-2107.41	-194.956	-0.827	-1.548	-3.396	2610.067
5496_5496	5496	5496	2102.119	245.445	-4.186	-4.96	5.149	-2610.06
5496_5497	5496	5497	-2101.32	-242.468	4.186	4.96	9.455	3461.038
5497_5497	5497	5497	2104.098	244.398	2.632	0.139	-12.915	-3461.1
5497_5184	5497	5184	-2103.18	-240.899	-2.632	-0.139	2.137	4454.751
5500_5204	5500	5204	2429.91	-245.709	-0.788	0.398	-46.836	-4108.41
5500_5501	5500	5501	-2431	249.847	0.788	-0.398	50.062	3093.777
5501_5501	5501	5501	2429.072	-246.909	4.581	0.322	-47.134	-3093.89
5501_5502	5501	5502	-2430.01	250.431	-4.581	-0.322	31.152	2226.438
5502_5502	5502	5502	2435.323	-192.058	3.625	0.174	-31.398	-2226.44
5502_5503	5502	5503	-2438.53	203.01	-3.625	-0.174	-8.189	69.153
5503_5503	5503	5503	2436.715	-133.723	-2.147	0.745	8.105	-69.145
5503_5504	5503	5504	-2439.06	140.881	2.147	-0.745	7.37	-920.429
5504_5504	5504	5504	2441.671	-84.165	1.368	-0.425	-7.824	920.426
5504_5505	5504	5505	-2444.18	91.271	-1.368	0.425	-2.043	-1553.01
5505_5505	5505	5505	2442.654	-11.939	-0.353	0.208	2.688	1552.984
5505_5506	5505	5506	-2448.16	25.964	0.353	-0.208	2.4	-1826.23
5506_5506	5506	5506	2446	56.317	1.036	0.557	-2.731	1826.256
5506_5507	5506	5507	-2449.69	-47.831	-1.036	-0.557	-6.445	-1365.16

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5507_5507	5507	5507	2448.187	98.187	2.843	-0.565	6	1365.161
5507_5508	5507	5508	-2450.73	-92.652	-2.843	0.565	-21.8	-834.845
5508_5508	5508	5508	2418.679	-426.677	-3.251	1.826	23.056	834.781
5508_5509	5508	5509	-2419.4	429.91	3.251	-1.826	-13.228	-2129.55
5509_5509	5509	5509	2419.435	430.162	-2.338	-1.618	13.181	2129.317
5509_5510	5509	5510	-2418.71	-426.929	2.338	1.618	-6.112	-833.79
5510_5510	5510	5510	2447.818	-92.324	2.354	-1.254	6.555	833.795
5510_5511	5510	5511	-2445.28	97.859	-2.354	1.254	-19.638	-1362.29
5511_5511	5511	5511	2446.77	-47.574	-2.237	0.877	18.506	1362.303
5511_5512	5511	5512	-2443.08	56.06	2.237	-0.877	1.299	-1821.12
5512_5512	5512	5512	2442.342	26.288	-0.01	0.026	-0.317	1821.137
5512_5513	5512	5513	-2436.83	-12.263	0.01	-0.026	0.459	-1543.21
5513_5513	5513	5513	2435.118	91.607	2.045	-0.402	-0.234	1543.225
5513_5514	5513	5514	-2432.61	-84.5	-2.045	0.402	-14.512	-908.224
5514_5514	5514	5514	2430.051	139.957	-1.423	0.588	14.066	908.231
5514_5515	5514	5515	-2427.71	-132.808	1.423	-0.588	-3.821	73.42
5515_5515	5515	5515	2427.642	202.99	-6.472	0.795	4.295	-73.42
5515_5516	5515	5516	-2424.43	-192.038	6.472	-0.795	66.384	2230.462
5516_5516	5516	5516	2419.117	250.141	-10.094	-1.048	-65.428	-2230.49
5516_5517	5516	5517	-2418.18	-246.62	10.094	1.048	100.64	3096.9
5517_5517	5517	5517	2419.561	248.739	-41.563	-2.873	-93.644	-3096.9
5517_5220	5517	5220	-2418.47	-244.6	41.563	2.873	263.831	4106.942
5520_5240	5520	5240	2239.986	-509.562	133.815	6.169	-1304.27	-8363.38
5520_5521	5520	5521	-2241.29	518.028	-133.815	-6.169	391.071	4857.075
5521_5521	5521	5521	2304.815	-283.793	36.983	9.558	-384.354	-4865.96
5521_5522	5521	5522	-2305.95	288.032	-36.983	-9.558	255.097	3866.687
5522_5522	5522	5522	2312.482	-231.089	27.174	-1.057	-259.736	-3866.39
5522_5523	5522	5523	-2316.34	244.239	-27.174	1.057	-36.895	1272.039
5523_5523	5523	5523	2324.006	-188.061	0.768	0.561	32.417	-1271.26
5523_5524	5523	5524	-2326.82	196.657	-0.768	-0.561	-37.946	-114.612
5524_5524	5524	5524	2330.741	-142.677	-6.673	0.055	38.081	114.568
5524_5525	5524	5525	-2333.75	151.212	6.673	-0.055	10.035	-1174.08
5525_5525	5525	5525	2337.299	-85.788	-1.357	-0.031	-11.699	1173.39
5525_5526	5525	5526	-2343.92	102.633	1.357	0.031	31.264	-2531.65
5526_5526	5526	5526	2350.873	-30.716	0.816	-1.776	-29.977	2529.389
5526_5527	5526	5527	-2355.3	40.916	-0.816	1.776	22.747	-2846.71
5527_5527	5527	5527	2355.643	8.755	-1.876	1.952	-21.286	2846.719
5527_5528	5527	5528	-2358.67	-2.163	1.876	-1.952	31.708	-2816.4
5528_5528	5528	5528	2314.996	-499.136	-3.2	-7.021	-27.866	2813.99
5528_5529	5528	5529	-2315.86	502.99	3.2	7.021	37.542	-4328.97
5529_5529	5529	5529	2315.161	501.414	-0.153	4.525	-36.984	4324.952
5529_5530	5529	5530	-2314.3	-497.561	0.153	-4.525	37.447	-2815.15
5530_5530	5530	5530	2365.211	-0.894	10.389	-4.106	-40.171	2812.866
5530_5531	5530	5531	-2362.18	7.489	-10.389	4.106	-17.551	-2836.15
5531_5531	5531	5531	2361.845	41.493	5.534	1.406	14.909	2836.171
5531_5532	5531	5532	-2357.41	-31.299	-5.534	-1.406	-63.915	-2513.88
5532_5532	5532	5532	2357.96	112.043	-1.696	-0.522	61.386	2512.786
5532_5533	5532	5533	-2351.35	-95.192	1.696	0.522	-36.934	-1018.42
5533_5533	5533	5533	2346.664	174.138	-3.099	0.602	36.184	1018.14
5533_5534	5533	5534	-2343.65	-165.602	3.099	-0.602	-13.836	206.839
5534_5534	5534	5534	2339.16	220.106	-4.75	0.13	13.895	-206.836
5534_5535	5534	5535	-2336.35	-211.506	4.75	-0.13	20.344	1762.323
5535_5535	5535	5535	2330.991	281.778	24.149	2.315	-16.893	-1761.04

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5535_5536	5535	5536	-2327.14	-268.622	-24.149	-2.315	-246.837	4766.533
5536_5536	5536	5536	2320.114	323.685	24.675	-2.411	246.522	-4766.55
5536_5537	5536	5537	-2318.98	-319.459	-24.675	2.411	-332.499	5887.052
5537_5537	5537	5537	2333.908	319.199	-64.107	-100.232	343.225	-5902.08
5537_5254	5537	5254	-2332.6	-314.227	64.107	100.232	-80.709	7199.007
5540_5278	5540	5278	3583.673	-330.088	42.719	107.368	-222.233	-4122.7
5540_5541	5540	5541	-3585.08	335.429	-42.719	-107.368	47.566	2762.148
5541_5541	5541	5541	3597.274	-329.491	6.488	3.438	-45.506	-2804.27
5541_5542	5541	5542	-3598.49	334.053	-6.488	-3.438	22.833	1644.843
5542_5542	5542	5542	3605.604	-245.714	-0.796	0.607	-23.735	-1644.83
5542_5543	5542	5543	-3609.75	259.87	0.796	-0.607	32.422	-1115.48
5543_5543	5543	5543	3618.122	-156.958	3.669	-5.04	-36.332	1110.861
5543_5544	5543	5544	-3621.15	166.212	-3.669	5.04	9.887	-2275.5
5544_5544	5544	5544	3624.057	-80.77	-6.362	1.543	-7.76	2275.508
5544_5545	5544	5545	-3627.3	89.946	6.362	-1.543	53.596	-2890.49
5545_5545	5545	5545	3617.423	26.329	1.002	-1.923	-55.116	2885.466
5545_5546	5545	5546	-3624.54	-8.202	-1.002	1.923	40.671	-2636.55
5546_5546	5546	5546	3607.828	128.227	11.328	-1.73	-40.423	2633.114
5546_5547	5546	5547	-3612.6	-117.258	-11.328	1.73	-59.878	-1546.28
5547_5547	5547	5547	3609.467	190.901	6.054	-0.745	60.843	1546.245
5547_5548	5547	5548	-3612.72	-183.818	-6.054	0.745	-94.502	-504.562
5548_5548	5548	5548	3574.268	-578.383	-19.188	0.402	98.968	496.875
5548_5549	5548	5549	-3575.19	582.518	19.188	-0.402	-40.967	-2251.45
5549_5549	5549	5549	3594.497	601.597	-16.281	-2.962	41.669	2255.116
5549_5550	5549	5550	-3593.54	-597.533	16.281	2.962	6.808	-469.882
5550_5550	5550	5550	3614.196	-189.192	13.608	-2.438	-5.454	470.253
5550_5551	5550	5551	-3610.76	196.352	-13.608	2.438	-71.629	-1562.21
5551_5551	5551	5551	3614.302	-114.563	5.852	-0.755	70.061	1562.284
5551_5552	5551	5552	-3609.62	124.93	-5.852	0.755	-119.353	-2570.84
5552_5552	5552	5552	3606.865	11.912	0.028	-1.958	118.01	2570.101
5552_5553	5552	5553	-3599.73	5.709	-0.028	1.958	-118.402	-2526.46
5553_5553	5553	5553	3600.297	122.862	-7.113	-0.972	116.842	2525.557
5553_5554	5553	5554	-3597.07	-113.916	7.113	0.972	-66.76	-1691.99
5554_5554	5554	5554	3592.938	206.404	-11.177	-0.737	66.065	1692.015
5554_5555	5554	5555	-3589.94	-197.373	11.177	0.737	12.673	-269.796
5555_5555	5555	5555	3599.722	316.162	-20.28	2.025	-11.554	270.114
5555_5556	5555	5556	-3595.68	-302.344	20.28	-2.025	227.692	3025.731
5556_5556	5556	5556	3585.822	402.247	-28.943	0.825	-225.571	-3025.89
5556_5557	5556	5557	-3584.65	-397.768	28.943	-0.825	324.806	4397.339
5557_5557	5557	5557	3572.057	398.893	1.632	-17.853	-327.979	-4403.78
5557_5290	5557	5290	-3570.19	-391.711	-1.632	17.853	319.017	6575.142
6000_6000	6000	6000	7.312	12.769	-0.07	-0.013	0	-8.642
6000_6001	6000	6001	-20.714	6.012	0.07	0.013	0.816	61.773
6001_6001	6001	6001	20.714	-6.012	-0.07	0.056	-0.816	-61.773
6001_6002	6001	6002	-31.825	21.585	0.07	-0.056	1.492	-59.682
6002_6002	6002	6002	31.838	21.025	0.083	-0.015	-1.492	59.794
6002_6003	6002	6003	-28.718	-1.427	-0.083	0.015	0.483	73.165
6003_6003	6003	6003	28.717	1.427	0.083	0.045	-0.483	-73.165
6003_6004	6003	6004	-25.596	18.173	-0.083	-0.045	-0.526	-31.543
6004_6004	6004	6004	25.594	20.019	-0.022	0.006	0.526	31.545
6004_6005	6004	6005	-26.001	-0.416	0.022	-0.006	-0.258	92.835
6005_6005	6005	6005	26.001	0.416	-0.022	0.015	0.258	-92.835
6005_6006	6005	6006	-26.408	19.171	0.022	-0.015	0.011	-20.372

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6006_6006	6006	6006	26.393	19.833	0.009	0.004	-0.011	20.558
6006_6007	6006	6007	-26.032	-0.23	-0.009	-0.004	-0.099	100.773
6007_6007	6007	6007	26.032	0.23	0.009	0.004	0.099	-100.773
6007_6008	6007	6008	-25.67	19.374	-0.009	-0.004	-0.208	-15.673
6008_6008	6008	6008	25.697	19.456	-0.002	0.038	0.208	15.317
6008_6009	6008	6009	-25.448	0.135	0.002	-0.038	-0.19	101.535
6009_6009	6009	6009	25.448	-0.135	-0.002	-0.043	0.19	-101.535
6009_6010	6009	6010	-25.2	19.724	0.002	0.043	-0.172	-19.069
6010_6010	6010	6010	25.173	19.206	-0.001	-0.013	0.172	19.349
6010_6011	6010	6011	-25.62	0.401	0.001	0.013	-0.157	95.195
6011_6011	6011	6011	25.62	-0.401	-0.001	-0.003	0.157	-95.195
6011_6012	6011	6012	-26.067	19.992	0.001	0.003	-0.142	-27.933
6012_6012	6012	6012	26.064	18.79	0.011	-0.012	0.142	27.969
6012_6013	6012	6013	-23.226	0.806	-0.011	0.012	-0.27	77.92
6013_6013	6013	6013	23.226	-0.806	0.011	-0.012	0.27	-77.92
6013_6014	6013	6014	-20.388	20.401	-0.011	0.012	-0.398	-53.778
6014_6014	6014	6014	20.371	18.493	-0.009	-0.004	0.398	53.967
6014_6015	6014	6015	-38.218	7.369	0.009	0.004	-0.259	54.342
6015_6015	6015	6015	38.154	-7.372	-0.009	-0.033	0.26	-54.247
6015_6016	6015	6016	-47.347	20.701	0.009	0.033	-0.187	-51.569
6016_6016	6016	6016	16.948	19.749	-0.009	-0.014	0.302	101.885
6016_6017	6016	6017	-20.824	-1.024	0.009	0.014	-0.192	24.398
6017_6017	6017	6017	20.824	1.024	-0.009	-0.014	0.192	-24.398
6017_6018	6017	6018	-25.195	20.09	0.009	0.014	-0.067	-97.243
6018_6018	6018	6018	25.193	19.587	0.067	-0.011	0.067	97.189
6018_6019	6018	6019	-23.309	0.308	-0.067	0.011	-0.898	21.54
6019_6019	6019	6019	23.309	-0.308	0.067	-0.013	0.898	-21.54
6019_6020	6019	6020	-21.424	20.218	-0.067	0.013	-1.731	-108.414
6020_6020	6020	6020	21.366	20.886	-0.042	-0.005	1.731	108.372
6020_6021	6020	6021	-22.057	-5.745	0.042	0.005	-1.327	18.786
6021_6021	6021	6021	22.039	5.745	-0.042	-0.027	1.327	-18.765
6021_6022	6021	6022	-22.602	6.592	0.042	0.027	-1.004	15.959
6022_6022	6022	6022	22.602	-6.592	-0.042	-0.009	1.004	-15.959
6022_6023	6022	6023	-23.166	18.945	0.042	0.009	-0.676	-82.594
6023_6023	6023	6023	23.167	19.479	-0.096	-0.018	0.676	82.498
6023_6024	6023	6024	-23.11	-6.742	0.096	0.018	0.09	22.272
6024_6024	6024	6024	23.11	6.742	-0.096	0.01	-0.09	-22.272
6024_6025	6024	6025	-23.054	5.997	0.096	-0.01	0.861	25.185
6025_6025	6025	6025	23.053	-5.997	-0.096	-0.025	-0.861	-25.185
6025_6026	6025	6026	-22.997	18.75	0.096	0.025	1.627	-73.947
6026_6026	6026	6026	22.997	18.964	-0.016	-0.004	-1.627	73.839
6026_6027	6026	6027	-23.08	-9.42	0.016	0.004	1.721	11.254
6027_6027	6027	6027	23.08	9.42	-0.016	-0.005	-1.721	-11.254
6027_6028	6027	6028	-23.163	0.141	0.016	0.005	1.814	39.153
6028_6028	6028	6028	23.163	-0.141	-0.016	-0.005	-1.814	-39.153
6028_6029	6028	6029	-23.246	9.702	0.016	0.005	1.907	9.668
6029_6029	6029	6029	23.245	-9.702	-0.015	-0.021	-1.907	-9.668
6029_6030	6029	6030	-23.328	19.26	0.015	0.021	1.994	-77.18
6030_6030	6030	6030	23.33	18.366	0.056	0.002	-1.994	77.155
6030_6031	6030	6031	-23.575	-5.618	-0.056	-0.002	1.546	19.003
6031_6031	6031	6031	23.575	5.618	0.057	-0.019	-1.546	-19.003
6031_6032	6031	6032	-23.819	7.112	-0.057	0.019	1.093	13.214
6032_6032	6032	6032	23.819	-7.112	0.056	-0.004	-1.093	-13.214

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6032_6033	6032	6033	-24.064	19.86	-0.056	0.004	0.645	-94.537
6033_6033	6033	6033	24.066	18.883	0.056	-0.004	-0.645	94.541
6033_6034	6033	6034	-23.644	-6.542	-0.056	0.004	0.213	3.574
6034_6034	6034	6034	23.644	6.542	0.056	-0.005	-0.213	-3.574
6034_6035	6034	6035	-23.222	5.814	-0.056	0.005	-0.221	6.024
6035_6035	6035	6035	23.222	-5.814	0.056	-0.005	0.221	-6.024
6035_6036	6035	6036	-22.707	20.924	-0.056	0.005	-0.751	-121.247
6036_6036	6036	6036	22.743	20.768	-0.031	-0.011	0.751	121.232
6036_6037	6036	6037	-24.175	-0.842	0.031	0.011	-0.364	15.276
6037_6037	6037	6037	24.175	0.842	-0.031	0.003	0.364	-15.276
6037_6038	6037	6038	-25.606	19.07	0.031	-0.003	0.029	-97.314
6038_6038	6038	6038	25.608	14.574	-0.144	-0.009	-0.029	97.322
6038_6039	6038	6039	-17.328	6.528	0.144	0.009	1.939	-53.041
6039_6039	6039	6039	56.973	-3.812	0.026	0.01	-0.007	-10.099
6039_6040	6039	6040	-104.18	22.179	-0.026	-0.01	-0.3	-91.579
6040_6040	6040	6040	104.184	18.826	-0.014	0.026	0.3	91.672
6040_6041	6040	6041	-106.958	-5.939	0.014	-0.026	-0.186	13.918
6041_6041	6041	6041	106.959	5.939	-0.014	-0.011	0.186	-13.918
6041_6042	6041	6042	-112.198	18.405	0.014	0.011	0.029	-76.598
6042_6042	6042	6042	112.2	20.35	0.01	-0.029	-0.029	76.619
6042_6043	6042	6043	-103.038	-1.726	-0.01	0.029	-0.09	44.892
6043_6043	6043	6043	103.038	1.726	0.01	0.035	0.09	-44.892
6043_6044	6043	6044	-93.884	16.883	-0.01	-0.035	-0.209	-55.363
6044_6044	6044	6044	93.87	19.446	-0.003	0.003	0.209	55.469
6044_6045	6044	6045	-87.695	-0.822	0.003	-0.003	-0.178	58.618
6045_6045	6045	6045	87.695	0.822	-0.003	0.003	0.178	-58.618
6045_6046	6045	6046	-81.52	17.802	0.003	-0.003	-0.146	-49.221
6046_6046	6046	6046	81.519	19.075	0.001	-0.001	0.146	49.221
6046_6047	6046	6047	-74.832	-0.444	-0.001	0.001	-0.152	59.885
6047_6047	6047	6047	74.832	0.444	0.001	0.004	0.152	-59.885
6047_6048	6047	6048	-68.151	18.172	-0.001	-0.004	-0.159	-52.927
6048_6048	6048	6048	68.161	18.625	0.007	0.026	0.159	52.817
6048_6049	6048	6049	-60.629	-0.009	-0.007	-0.026	-0.246	49.887
6049_6049	6049	6049	60.628	0.009	0.007	-0.026	0.246	-49.887
6049_6050	6049	6050	-53.091	18.623	-0.007	0.026	-0.333	-69.352
6050_6050	6050	6050	53.111	17.888	-0.015	-0.002	0.333	69.133
6050_6051	6050	6051	-49.906	6.427	0.015	0.002	-0.101	17.083
6051_6051	6051	6051	49.852	-6.427	-0.015	0.005	0.101	-17.003
6051_6052	6051	6052	-48.152	19.329	0.015	-0.005	0.022	-90.872
6052_6052	6052	6052	48.151	19.547	-0.013	0.001	-0.022	90.764
6052_6053	6052	6053	-26.732	-1.189	0.013	-0.001	0.176	5.673
6053_6053	6053	6053	26.155	2.197	-0.02	0.002	-0.112	-5.542
6053_6054	6053	6054	-28.758	17.874	0.02	-0.002	0.381	-95.618
6054_6054	6054	6054	28.753	18.525	0.073	-0.003	-0.381	95.605
6054_6055	6054	6055	-28.99	0.413	-0.073	0.003	-0.528	18.275
6055_6055	6055	6055	28.991	-0.413	0.073	0.01	0.528	-18.275
6055_6056	6055	6056	-29.228	19.338	-0.073	-0.01	-1.437	-104.453
6056_6056	6056	6056	29.206	19.898	-0.065	0.003	1.437	104.444
6056_6057	6056	6057	-29.296	-5.5	0.065	-0.003	-0.815	16.183
6057_6057	6057	6057	29.277	5.5	-0.065	0.002	0.814	-16.162
6057_6058	6057	6058	-29.351	6.24	0.065	-0.002	-0.308	13.221
6058_6058	6058	6058	29.351	-6.24	-0.065	0.003	0.308	-13.221
6058_6059	6058	6059	-29.424	17.966	0.065	-0.003	0.198	-80.537

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6059_6059	6059	6059	29.423	18.882	-0.08	0.009	-0.198	80.614
6059_6060	6059	6060	-28.202	-6.751	0.08	-0.009	0.838	20.717
6060_6060	6060	6060	28.202	6.751	-0.08	-0.012	-0.838	-20.717
6060_6061	6060	6061	-26.983	5.364	0.08	0.012	1.477	24.953
6061_6061	6061	6061	26.983	-5.364	-0.08	0.015	-1.477	-24.952
6061_6062	6061	6062	-25.764	17.48	0.08	-0.015	2.116	-67.721
6062_6062	6062	6062	25.764	18.31	0.005	0.006	-2.116	67.659
6062_6063	6062	6063	-25.158	-9.231	-0.005	-0.006	2.088	14.202
6063_6063	6063	6063	25.158	9.231	0.005	0.005	-2.088	-14.202
6063_6064	6063	6064	-24.552	-0.137	-0.005	-0.005	2.061	41.643
6064_6064	6064	6064	24.552	0.137	0.005	0.005	-2.061	-41.643
6064_6065	6064	6065	-23.945	8.957	-0.005	-0.005	2.033	14.484
6065_6065	6065	6065	23.945	-8.957	0.005	0.006	-2.033	-14.484
6065_6066	6065	6066	-23.339	18.036	-0.005	-0.006	2.005	-67.096
6066_6066	6066	6066	23.338	17.985	0.095	0.005	-2.005	67.209
6066_6067	6066	6067	-22.156	-5.858	-0.095	-0.005	1.248	26.87
6067_6067	6067	6067	22.156	5.858	0.095	0.007	-1.248	-26.87
6067_6068	6067	6068	-20.977	6.254	-0.095	-0.007	0.492	23.922
6068_6068	6068	6068	20.977	-6.254	0.095	0.007	-0.492	-23.922
6068_6069	6068	6069	-19.797	18.365	-0.095	-0.007	-0.264	-75.875
6069_6069	6069	6069	19.799	17.738	0.047	0.003	0.264	75.999
6069_6070	6069	6070	-19.891	-5.991	-0.047	-0.003	-0.626	16.271
6070_6070	6070	6070	19.891	5.991	0.047	0.004	0.626	-16.271
6070_6071	6070	6071	-19.984	5.741	-0.047	-0.004	-0.987	17.495
6071_6071	6071	6071	19.962	-5.741	0.047	0.014	0.991	-17.476
6071_6072	6071	6072	-20.075	20.13	-0.047	-0.014	-1.433	-105.092
6072_6072	6072	6072	20.082	20.113	-0.024	0.007	1.433	105.098
6072_6073	6072	6073	-19.852	-1.178	0.024	-0.007	-1.135	27.347
6073_6073	6073	6073	19.852	1.178	-0.024	0.007	1.135	-27.347
6073_6074	6073	6074	-19.622	17.758	0.024	-0.007	-0.837	-76.926
6074_6074	6074	6074	19.624	14.525	-0.229	-0.004	0.837	76.976
6074_6075	6074	6075	-0.273	5.548	0.229	0.004	2.199	-38.598
6075_6075	6075	6075	45.052	-2.925	0.022	0.022	0.302	-33.226
6075_6076	6075	6076	-87.672	20.333	-0.022	-0.022	-0.56	-54.403
6076_6076	6076	6076	87.687	17.534	-0.025	-0.009	0.56	54.251
6076_6077	6076	6077	-85.26	-5.309	0.025	0.009	-0.352	37.338
6077_6077	6077	6077	85.185	5.309	-0.025	0.018	0.354	-37.211
6077_6078	6077	6078	-81.034	15.61	0.025	-0.018	0.004	-40.055
6078_6078	6078	6078	81.05	17.617	0.009	0.008	-0.004	39.928
6078_6079	6078	6079	-77.871	-1.03	-0.009	-0.008	-0.096	60.703
6079_6079	6079	6079	77.871	1.03	0.009	0.005	0.096	-60.703
6079_6080	6079	6080	-74.688	15.571	-0.009	-0.005	-0.195	-24.531
6080_6080	6080	6080	74.688	16.728	-0.002	0.003	0.195	24.545
6080_6081	6080	6081	-71.845	-0.13	0.002	-0.003	-0.169	66.534
6081_6081	6081	6081	71.845	0.13	-0.002	0.006	0.169	-66.534
6081_6082	6081	6082	-69.005	16.453	0.002	-0.006	-0.143	-28.172
6082_6082	6082	6082	68.965	18.015	0	0	0.143	28.501
6082_6083	6082	6083	-66.075	-0.172	0	0	-0.145	77.576
6083_6083	6083	6083	66.075	0.172	0	0.003	0.145	-77.576
6083_6084	6083	6084	-63.187	17.657	0	-0.003	-0.147	-31.083
6084_6084	6084	6084	63.185	16.686	-0.005	-0.001	0.147	31.096
6084_6085	6084	6085	-60.813	-0.092	0.005	0.001	-0.092	60.004
6085_6085	6085	6085	60.813	0.092	-0.005	-0.001	0.092	-60.004

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6085_6086	6085	6086	-58.441	16.502	0.005	0.001	-0.037	-34.77
6086_6086	6086	6086	58.462	16.211	0.01	-0.026	0.037	34.587
6086_6087	6086	6087	-54.86	0.383	-0.01	0.026	-0.147	49.699
6087_6087	6087	6087	54.86	-0.383	0.01	0.021	0.147	-49.699
6087_6088	6087	6088	-51.258	16.977	-0.01	-0.021	-0.257	-51.882
6088_6088	6088	6088	51.256	14.736	-0.019	-0.007	0.257	51.882
6088_6089	6088	6089	-53.685	5.383	0.019	0.007	-0.003	14.484
6089_6089	6089	6089	53.633	-5.383	-0.019	-0.004	0.004	-14.41
6089_6090	6089	6090	-55.109	17.615	0.019	0.004	0.151	-78.8
6090_6090	6090	6090	55.113	17.874	-0.001	-0.005	-0.151	78.664
6090_6091	6090	6091	-36.206	-0.468	0.001	0.005	0.168	6.019
6091_6091	6091	6091	36.027	1.353	0.007	-0.003	-0.252	-6.123
6091_6092	6091	6092	-40.338	17.983	-0.007	0.003	0.162	-99.524
6092_6092	6092	6092	40.327	18.106	0.02	0.002	-0.162	99.387
6092_6093	6092	6093	-39.664	0.132	-0.02	-0.002	-0.094	12.667
6093_6093	6093	6093	39.663	-0.132	0.02	-0.007	0.094	-12.667
6093_6094	6093	6094	-39	18.369	-0.02	0.007	-0.35	-103.202
6094_6094	6094	6094	38.99	19.111	-0.033	-0.004	0.35	103.198
6094_6095	6094	6095	-39.274	-5.24	0.033	0.004	-0.036	12.682
6095_6095	6095	6095	39.207	5.24	-0.033	-0.002	0.034	-12.598
6095_6096	6095	6096	-39.439	6.062	0.033	0.002	0.221	9.531
6096_6096	6096	6096	39.439	-6.062	-0.033	-0.003	-0.221	-9.531
6096_6097	6096	6097	-39.672	17.378	0.033	0.003	0.476	-81.236
6097_6097	6097	6097	39.672	18.026	0.018	0.003	-0.476	81.158
6097_6098	6097	6098	-38.976	-6.361	-0.018	-0.003	0.334	15.51
6098_6098	6098	6098	38.975	6.361	0.018	-0.015	-0.334	-15.51
6098_6099	6098	6099	-38.278	5.318	-0.018	0.015	0.19	18.875
6099_6099	6099	6099	38.278	-5.318	0.018	0.007	-0.19	-18.875
6099_6100	6099	6100	-37.581	16.984	-0.018	-0.007	0.048	-71.073
6100_6100	6100	6100	37.591	17.551	-0.004	-0.019	-0.048	71.2
6100_6101	6100	6101	-37.273	-8.791	0.004	0.019	0.073	7.467
6101_6101	6101	6101	37.273	8.791	-0.004	-0.027	-0.073	-7.467
6101_6102	6101	6102	-36.955	-0.031	0.004	0.027	0.097	33.548
6102_6102	6102	6102	36.955	0.031	-0.004	0.025	-0.097	-33.548
6102_6103	6102	6103	-36.637	8.729	0.004	-0.025	0.122	7.045
6103_6103	6103	6103	36.637	-8.729	-0.004	0.018	-0.122	-7.045
6103_6104	6103	6104	-36.319	17.474	0.004	-0.018	0.147	-71.863
6104_6104	6104	6104	36.32	17.178	-0.014	0.013	-0.147	71.867
6104_6105	6104	6105	-35.77	-5.499	0.014	-0.013	0.262	18.148
6105_6105	6105	6105	35.771	5.499	-0.014	-0.006	-0.262	-18.148
6105_6106	6105	6106	-35.221	6.18	0.014	0.006	0.378	14.687
6106_6106	6106	6106	35.221	-6.18	-0.014	-0.005	-0.378	-14.687
6106_6107	6106	6107	-34.673	17.845	0.014	0.005	0.493	-82.065
6107_6107	6107	6107	34.672	17.18	0.027	0.004	-0.493	82.083
6107_6108	6107	6108	-34.446	-5.866	-0.027	-0.004	0.283	7.161
6108_6108	6108	6108	34.446	5.866	0.027	0.004	-0.283	-7.161
6108_6109	6108	6109	-34.22	5.449	-0.027	-0.004	0.072	8.68
6109_6109	6109	6109	34.244	-5.449	0.027	-0.002	-0.073	-8.707
6109_6110	6109	6110	-33.967	19.303	-0.027	0.002	-0.185	-108.905
6110_6110	6110	6110	33.97	19.119	0.003	0.007	0.185	108.908
6110_6111	6110	6111	-34.718	-0.872	-0.003	-0.007	-0.224	16.386
6111_6111	6111	6111	34.718	0.872	0.003	-0.003	0.224	-16.386
6111_6112	6111	6112	-35.466	17.374	-0.003	0.003	-0.264	-86.468

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6112_6112	6112	6112	35.458	13.79	-0.112	0.004	0.264	86.382
6112_6113	6112	6113	-20.098	5.536	0.112	-0.004	1.215	-49.018
6113_6113	6113	6113	60.564	-3.257	0.006	0.003	0.148	-16.383
6113_6114	6113	6114	-101.667	20.37	-0.006	-0.003	-0.217	-74.614
6114_6114	6114	6114	101.676	17	-0.004	-0.007	0.217	74.627
6114_6115	6114	6115	-103.225	-4.986	0.004	0.007	-0.185	18.16
6115_6115	6115	6115	103.225	4.986	-0.004	0.012	0.185	-18.16
6115_6116	6115	6116	-105.873	15.547	0.004	-0.012	-0.131	-52.76
6116_6116	6116	6116	105.871	17.876	0	-0.026	0.131	52.775
6116_6117	6116	6117	-99.706	-1.566	0	0.026	-0.128	49.1
6117_6117	6117	6117	99.705	1.566	0	0.035	0.128	-49.1
6117_6118	6117	6118	-93.539	14.744	0	-0.035	-0.125	-31.728
6118_6118	6118	6118	93.572	16.818	-0.002	-0.032	0.125	31.499
6118_6119	6118	6119	-89.512	-0.51	0.002	0.032	-0.103	60.975
6119_6119	6119	6119	89.512	0.51	-0.002	0.038	0.103	-60.975
6119_6120	6119	6120	-85.455	15.784	0.002	-0.038	-0.082	-29.065
6120_6120	6120	6120	85.417	18.055	-0.002	-0.037	0.082	29.339
6120_6121	6120	6121	-80.452	-0.524	0.002	0.037	-0.056	76.839
6121_6121	6121	6121	80.452	0.524	-0.002	0.038	0.056	-76.839
6121_6122	6121	6122	-75.491	16.994	0.002	-0.038	-0.031	-27.912
6122_6122	6122	6122	75.49	16.674	-0.005	-0.033	0.031	27.911
6122_6123	6122	6123	-71.511	-0.367	0.005	0.033	0.022	62.949
6123_6123	6123	6123	71.512	0.367	-0.005	0.03	-0.022	-62.949
6123_6124	6123	6124	-67.533	15.941	0.005	-0.03	0.074	-28.847
6124_6124	6124	6124	67.532	16.208	0.006	-0.003	-0.074	28.856
6124_6125	6124	6125	-62.314	0.099	-0.006	0.003	0.009	55.242
6125_6125	6125	6125	62.314	-0.099	0.006	-0.003	-0.009	-55.242
6125_6126	6125	6126	-57.096	16.407	-0.006	0.003	-0.055	-43.313
6126_6126	6126	6126	57.093	14.505	-0.025	-0.011	0.055	43.312
6126_6127	6126	6127	-57.645	5.297	0.025	0.011	0.289	20.303
6127_6127	6127	6127	57.645	-5.297	-0.025	0.009	-0.289	-20.303
6127_6128	6127	6128	-57.98	17.309	0.025	-0.009	0.498	-72.339
6128_6128	6128	6128	57.983	17.8	0.039	-0.001	-0.498	72.175
6128_6129	6128	6129	-38.328	-0.692	-0.039	0.001	0.041	11.988
6129_6129	6129	6129	38.111	1.581	0.078	-0.007	-0.455	-11.86
6129_6130	6129	6130	-43.209	17.717	-0.078	0.007	-0.574	-89.723
6130_6130	6130	6130	43.199	17.338	-0.119	-0.005	0.574	89.612
6130_6131	6130	6131	-42.651	0.868	0.119	0.005	0.912	13.405
6131_6131	6131	6131	42.651	-0.868	-0.119	-0.005	-0.912	-13.405
6131_6132	6131	6132	-42.103	19.074	0.119	0.005	2.398	-111.154
6132_6132	6132	6132	41.066	18.378	0.191	0.003	-2.398	85.026
6132_6133	6132	6133	-40.918	-4.542	-0.191	-0.003	0.586	23.676
6133_6133	6133	6133	40.918	4.542	0.193	-0.014	-0.586	-23.676
6133_6134	6133	6134	-40.798	6.746	-0.193	0.014	-0.907	14.997
6134_6134	6134	6134	40.798	-6.746	0.19	0.002	0.907	-14.997
6134_6135	6134	6135	-40.678	18.034	-0.19	-0.002	-2.376	-81.161
6135_6135	6135	6135	40.716	18.356	-0.063	0.003	2.376	81.295
6135_6136	6135	6136	-39.938	-6.704	0.063	-0.003	-1.873	17.94
6136_6136	6136	6136	39.937	6.704	-0.06	-0.015	1.873	-17.94
6136_6137	6136	6137	-39.159	4.948	0.06	0.015	-1.393	23.955
6137_6137	6137	6137	39.16	-4.948	-0.063	0.01	1.393	-23.955
6137_6138	6137	6138	-38.381	16.601	0.063	-0.01	-0.89	-63.251
6138_6138	6138	6138	38.386	17.429	-0.021	-0.017	0.89	63.135

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6138_6139	6138	6139	-38.027	-8.69	0.021	0.017	-0.761	14.734
6139_6139	6139	6139	38.027	8.69	-0.017	-0.035	0.761	-14.734
6139_6140	6139	6140	-37.668	0.049	0.017	0.035	-0.657	40.167
6140_6140	6140	6140	37.668	-0.049	-0.021	0.025	0.657	-40.167
6140_6141	6140	6141	-37.309	8.788	0.021	-0.025	-0.528	13.163
6141_6141	6141	6141	37.309	-8.788	-0.021	0.025	0.528	-13.163
6141_6142	6141	6142	-36.95	17.527	0.021	-0.025	-0.399	-66.277
6142_6142	6142	6142	36.958	17.053	-0.041	0.009	0.399	66.172
6142_6143	6142	6143	-36.242	-5.401	0.041	-0.009	-0.074	22.636
6143_6143	6143	6143	36.242	5.401	-0.038	-0.014	0.074	-22.636
6143_6144	6143	6144	-35.525	6.251	0.038	0.014	0.226	18.224
6144_6144	6144	6144	35.525	-6.251	-0.041	0.003	-0.226	-18.224
6144_6145	6144	6145	-34.809	17.904	0.041	-0.003	0.55	-79.409
6145_6145	6145	6145	34.803	17.05	-0.001	0	-0.55	79.316
6145_6146	6145	6146	-35.105	-5.762	0.001	0	0.559	9.59
6146_6146	6146	6146	35.105	5.762	-0.004	0.005	-0.559	-9.59
6146_6147	6146	6147	-35.408	5.526	0.004	-0.005	0.593	11.011
6147_6147	6147	6147	35.488	-5.526	0	-0.004	-0.594	-11.101
6147_6148	6147	6148	-35.86	19.363	0	0.004	0.596	-106.501
6148_6148	6148	6148	35.862	19.368	0.023	0.007	-0.596	106.453
6148_6149	6148	6149	-35.915	-1.161	-0.023	-0.007	0.303	21.414
6149_6149	6149	6149	35.915	1.161	0.025	-0.006	-0.303	-21.414
6149_6150	6149	6150	-35.969	17.045	-0.025	0.006	-0.014	-78.307
6150_6150	6150	6150	35.958	13.091	-0.049	0.007	0.014	78.206
6150_6151	6150	6151	-16.42	6.208	0.049	-0.007	0.636	-55.141
6151_6151	6151	6151	66	-3.479	0	-0.006	-0.113	-25.327
6151_6152	6151	6152	-112.19	21.33	0	0.006	0.112	-67.845
6152_6152	6152	6152	112.193	17.23	0	0.016	-0.112	67.699
6152_6153	6152	6153	-114.273	-4.712	0	-0.016	0.111	25.33
6153_6153	6153	6153	114.465	4.712	0.001	-0.007	-0.112	-25.668
6153_6154	6153	6154	-117.943	16.177	-0.001	0.007	0.1	-48.768
6154_6154	6154	6154	117.944	18.373	0.002	0.002	-0.1	48.769
6154_6155	6154	6155	-110.808	-1.661	-0.002	-0.002	0.073	53.488
6155_6155	6155	6155	110.808	1.661	0.002	0.002	-0.073	-53.488
6155_6156	6155	6156	-103.673	15.05	-0.002	-0.002	0.046	-28.086
6156_6156	6156	6156	103.675	16.293	0.002	-0.033	-0.046	28.086
6156_6157	6156	6157	-99.096	-1.101	-0.002	0.033	0.025	53.869
6157_6157	6157	6157	99.096	1.101	0.001	0.035	-0.025	-53.869
6157_6158	6157	6158	-94.512	14.107	-0.001	-0.035	0.02	-16.249
6158_6158	6158	6158	94.539	15.013	0.002	0	-0.02	16.063
6158_6159	6158	6159	-90.158	0.179	-0.002	0	-0.003	53.307
6159_6159	6159	6159	90.158	-0.179	0.002	0	0.003	-53.307
6159_6160	6159	6160	-85.772	15.386	-0.002	0	-0.027	-29.408
6160_6160	6160	6160	85.774	16.431	0.001	-0.001	0.027	29.409
6160_6161	6160	6161	-79.475	0.281	-0.001	0.001	-0.04	52.317
6161_6161	6161	6161	79.475	-0.281	0.001	-0.001	0.04	-52.317
6161_6162	6161	6162	-73.176	16.992	-0.001	0.001	-0.053	-49.79
6162_6162	6162	6162	73.178	15.457	0.003	-0.006	0.053	49.79
6162_6163	6162	6163	-72.639	5.417	-0.003	0.006	-0.088	19.459
6163_6163	6163	6163	72.787	-5.417	0.002	0.006	0.089	-19.665
6163_6164	6163	6164	-72.467	17.95	-0.002	-0.006	-0.103	-76.565
6164_6164	6164	6164	72.457	18.751	0.002	0.001	0.103	76.689
6164_6165	6164	6165	-50.436	-0.9	-0.002	-0.001	-0.121	11.232

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6165_6165	6165	6165	50.177	1.764	-0.005	-0.003	0.162	-10.831
6165_6166	6165	6166	-54.258	18.902	0.005	0.003	-0.1	-97.986
6166_6166	6166	6166	54.261	19.161	-0.004	0.005	0.1	97.986
6166_6167	6166	6167	-54.076	0.336	0.004	-0.005	-0.049	19.861
6167_6167	6167	6167	54.075	-0.336	-0.003	-0.009	0.049	-19.861
6167_6168	6167	6168	-53.89	19.832	0.003	0.009	-0.018	-106.006
6168_6168	6168	6168	53.885	20.435	0	0.006	0.018	106.007
6168_6169	6168	6169	-54.472	-5.618	0	-0.006	-0.021	18.225
6169_6169	6169	6169	54.55	5.618	0.002	-0.005	0.022	-18.319
6169_6170	6169	6170	-55.029	6.47	-0.002	0.005	-0.034	15.405
6170_6170	6170	6170	55.029	-6.47	0.002	-0.005	0.034	-15.405
6170_6171	6170	6171	-55.508	18.558	-0.002	0.005	-0.046	-81.191
6171_6171	6171	6171	55.492	19.491	-0.002	0.006	0.046	81.093
6171_6172	6171	6172	-54.349	-7.013	0.002	-0.006	-0.029	23.681
6172_6172	6172	6172	54.349	7.013	0	-0.02	0.029	-23.681
6172_6173	6172	6173	-53.207	5.464	0	0.02	-0.031	28.629
6173_6173	6173	6173	53.207	-5.464	-0.002	0.012	0.031	-28.629
6173_6174	6173	6174	-52.064	17.942	0.002	-0.012	-0.015	-66.249
6174_6174	6174	6174	52.071	18.793	-0.001	0	0.015	66.151
6174_6175	6174	6175	-51.589	-9.435	0.001	0	-0.011	17.985
6175_6175	6175	6175	51.589	9.435	-0.001	0	0.011	-17.985
6175_6176	6175	6176	-51.107	-0.077	0.001	0	-0.007	45.969
6176_6176	6176	6176	51.107	0.077	-0.001	0	0.007	-45.969
6176_6177	6176	6177	-50.625	9.282	0.001	0	-0.004	17.801
6177_6177	6177	6177	50.625	-9.282	-0.001	0	0.004	-17.801
6177_6178	6177	6178	-50.142	18.64	0.001	0	0	-66.519
6178_6178	6178	6178	50.149	18.291	0	-0.012	0	66.42
6178_6179	6178	6179	-49.315	-5.813	0	0.012	-0.001	28.984
6179_6179	6179	6179	49.314	5.813	-0.002	0.018	0.001	-28.984
6179_6180	6179	6180	-48.48	6.664	0.002	-0.018	0.016	24.564
6180_6180	6180	6180	48.48	-6.664	0	-0.006	-0.016	-24.564
6180_6181	6180	6181	-47.646	19.142	0	0.006	0.015	-79.682
6181_6181	6181	6181	47.632	18.25	0	0.007	-0.015	79.586
6181_6182	6181	6182	-47.683	-6.162	0	-0.007	0.013	15.225
6182_6182	6182	6182	47.682	6.162	0.003	-0.006	-0.013	-15.225
6182_6183	6182	6183	-47.732	5.926	-0.003	0.006	-0.007	16.35
6183_6183	6183	6183	47.839	-5.926	0.001	0.001	0.007	-16.466
6183_6184	6183	6184	-47.901	20.743	-0.001	-0.001	-0.021	-109.958
6184_6184	6184	6184	47.877	20.637	-0.01	0.002	0.021	109.855
6184_6185	6184	6185	-47.831	-1.14	0.01	-0.002	0.103	25.819
6185_6185	6185	6185	47.831	1.14	-0.01	0.002	-0.103	-25.819
6185_6186	6185	6186	-47.785	18.341	0.01	-0.002	0.227	-82.036
6186_6186	6186	6186	47.802	15.04	0.015	-0.004	-0.227	82.142
6186_6187	6186	6187	-30.292	5.626	-0.015	0.004	0.03	-39.762
6187_6187	6187	6187	75.53	-3.258	0	0.007	0.007	-34.203
6187_6188	6187	6188	-121.396	22.375	0	-0.007	-0.012	-61.04
6188_6188	6188	6188	121.392	19.12	-0.001	-0.052	0.012	61.181
6188_6189	6188	6189	-118.041	-5.697	0.001	0.052	-0.002	37.451
6189_6189	6189	6189	119.364	5.688	-0.003	0.034	0	-36.154
6189_6190	6189	6190	-113.732	16.683	0.003	-0.034	0.04	-45.566
6190_6190	6190	6190	113.733	19.279	0.002	0.001	-0.04	45.567
6190_6191	6190	6191	-108.361	-1.382	-0.002	-0.001	0.017	61.553
6191_6191	6191	6191	108.361	1.382	0.002	0.001	-0.017	-61.553

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6191_6192	6191	6192	-102.99	16.514	-0.002	-0.001	-0.006	-28.192
6192_6192	6192	6192	102.992	17.279	0	0.001	0.006	28.193
6192_6193	6192	6193	-98.668	-1.01	0	-0.001	-0.007	58.075
6193_6193	6193	6193	98.668	1.01	0	0	0.007	-58.075
6193_6194	6193	6194	-94.339	15.275	0	0	-0.008	-18.512
6194_6194	6194	6194	94.341	15.981	0.003	-0.001	0.008	18.514
6194_6195	6194	6195	-90.318	0.304	-0.003	0.001	-0.039	55.107
6195_6195	6195	6195	90.318	-0.304	0.003	-0.001	0.039	-55.107
6195_6196	6195	6196	-86.295	16.59	-0.003	0.001	-0.071	-34.295
6196_6196	6196	6196	86.303	17.535	-0.002	-0.002	0.071	34.296
6196_6197	6196	6197	-80.409	0.361	0.002	0.002	-0.046	53.054
6197_6197	6197	6197	80.409	-0.361	-0.002	-0.002	0.046	-53.054
6197_6198	6197	6198	-74.515	18.257	0.002	0.002	-0.021	-56.46
6198_6198	6198	6198	74.517	16.513	0.001	0.01	0.021	56.462
6198_6199	6198	6199	-75.523	5.841	-0.001	-0.01	-0.036	18.268
6199_6199	6199	6199	75.628	-5.841	0.003	-0.023	0.038	-18.407
6199_6200	6199	6200	-76.234	19.263	-0.003	0.023	-0.062	-84.301
6200_6200	6200	6200	76.234	20.221	-0.005	-0.002	0.062	84.303
6200_6201	6200	6201	-52.398	-1.104	0.005	0.002	-0.007	11.701
6201_6201	6201	6201	53.109	2.063	-0.02	-0.002	0.14	-12.957
6201_6202	6201	6202	-57.479	20.337	0.02	0.002	0.125	-103.339
6202_6202	6202	6202	57.481	20.643	0.03	-0.001	-0.125	103.338
6202_6203	6202	6203	-57.455	0.488	-0.03	0.001	-0.255	23.19
6203_6203	6203	6203	57.455	-0.488	0.03	-0.001	0.255	-23.19
6203_6204	6203	6204	-57.428	21.62	-0.03	0.001	-0.635	-114.434
6204_6204	6204	6204	57.423	22.122	-0.021	0.001	0.635	114.436
6204_6205	6204	6205	-58.141	-6.062	0.021	-0.001	-0.436	19.973
6205_6205	6205	6205	58.31	6.062	-0.02	-0.011	0.444	-20.154
6205_6206	6205	6206	-58.894	7.039	0.02	0.011	-0.289	16.8
6206_6206	6206	6206	58.894	-7.039	-0.022	0.008	0.289	-16.8
6206_6207	6206	6207	-59.478	20.141	0.022	-0.008	-0.118	-88.095
6207_6207	6207	6207	59.479	20.94	-0.036	-0.007	0.118	88.093
6207_6208	6207	6208	-58.556	-7.416	0.036	0.007	0.17	24.26
6208_6208	6208	6208	58.556	7.416	-0.038	0.02	-0.17	-24.26
6208_6209	6208	6209	-57.634	6.108	0.038	-0.02	0.473	28.417
6209_6209	6209	6209	57.633	-6.108	-0.036	-0.012	-0.473	-28.417
6209_6210	6209	6210	-56.711	19.633	0.036	0.012	0.762	-75.622
6210_6210	6210	6210	56.71	20.365	-0.008	0.002	-0.762	75.623
6210_6211	6210	6211	-56.336	-10.222	0.008	-0.002	0.807	15.659
6211_6211	6211	6211	56.336	10.222	-0.008	0.002	-0.807	-15.659
6211_6212	6211	6212	-55.961	-0.078	0.008	-0.002	0.853	46.079
6212_6212	6212	6212	55.961	0.078	-0.008	0.002	-0.853	-46.079
6212_6213	6212	6213	-55.587	10.065	0.008	-0.002	0.898	15.639
6213_6213	6213	6213	55.587	-10.065	-0.008	0.002	-0.898	-15.639
6213_6214	6213	6214	-55.213	20.208	0.008	-0.002	0.944	-75.663
6214_6214	6214	6214	55.211	19.956	0.028	0.003	-0.944	75.66
6214_6215	6214	6215	-54.537	-6.432	-0.028	-0.003	0.722	28.936
6215_6215	6215	6215	54.537	6.432	0.028	0.003	-0.722	-28.936
6215_6216	6215	6216	-53.864	7.092	-0.028	-0.003	0.5	25.338
6216_6216	6216	6216	53.864	-7.092	0.028	0.003	-0.5	-25.338
6216_6217	6216	6217	-53.19	20.616	-0.028	-0.003	0.278	-86.455
6217_6217	6217	6217	53.197	19.815	0.018	0.016	-0.278	86.45
6217_6218	6217	6218	-53.04	-6.714	-0.018	-0.016	0.138	16.433

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6218_6218	6218	6218	53.039	6.714	0.02	0.001	-0.138	-16.433
6218_6219	6218	6219	-52.882	6.388	-0.02	-0.001	-0.018	17.776
6219_6219	6219	6219	52.927	-6.388	0.02	0	0.017	-17.819
6219_6220	6219	6220	-52.735	22.431	-0.02	0	-0.21	-118.828
6220_6220	6220	6220	52.686	22.431	0.055	0.003	0.21	118.832
6220_6221	6220	6221	-52.458	-1.298	-0.055	-0.003	-0.895	28.58
6221_6221	6221	6221	52.458	1.298	0.055	0.003	0.895	-28.58
6221_6222	6221	6222	-52.23	19.835	-0.055	-0.003	-1.579	-88.205
6222_6222	6222	6222	52.217	16.747	-0.484	-0.005	1.579	88.195
6222_6223	6222	6223	-36.251	5.654	0.484	0.005	4.83	-33.4
6223_6223	6223	6223	75.792	-3.315	0.006	0.016	-0.181	-30.081
6223_6224	6223	6224	-121.71	24.021	-0.006	-0.016	0.109	-76.72
6224_6224	6224	6224	121.742	21.459	0.018	0.041	-0.109	76.591
6224_6225	6224	6225	-118.634	-6.934	-0.018	-0.041	-0.042	37.17
6225_6225	6225	6225	118.856	6.933	0.019	-0.017	0.042	-37.543
6225_6226	6225	6226	-113.123	19.86	-0.019	0.017	-0.326	-66.763
6226_6226	6226	6226	113.116	21.743	-0.004	0.26	0.326	66.869
6226_6227	6226	6227	-108.192	-1.067	0.004	-0.26	-0.283	61.274
6227_6227	6227	6227	108.19	1.067	0	-0.256	0.283	-61.275
6227_6228	6227	6228	-103.265	19.613	0	0.256	-0.287	-53.259
6228_6228	6228	6228	103.259	20.855	0.018	0.03	0.287	53.214
6228_6229	6228	6229	-99.49	-0.188	-0.018	-0.03	-0.492	65.915
6229_6229	6229	6229	99.49	0.188	0.018	-0.033	0.492	-65.915
6229_6230	6229	6230	-95.718	20.498	-0.018	0.033	-0.704	-57.6
6230_6230	6230	6230	95.783	21.249	-0.022	0.295	0.704	57.466
6230_6231	6230	6231	-90.637	0.159	0.022	-0.295	-0.433	64.745
6231_6231	6231	6231	90.623	-0.159	-0.017	-0.298	0.433	-64.744
6231_6232	6231	6232	-85.475	21.576	0.017	0.298	-0.22	-73.263
6232_6232	6232	6232	85.409	21.156	0.037	-0.017	0.22	73.349
6232_6233	6232	6233	-82.745	0.919	-0.037	0.017	-0.69	50.361
6233_6233	6233	6233	83.025	-0.92	0.035	-0.001	0.681	-50.71
6233_6234	6233	6234	-80.658	20.506	-0.035	0.001	-1.071	-71.094
6234_6234	6234	6234	84.705	19.176	-0.092	0.058	1.071	67.977
6234_6235	6234	6235	-65.604	-1.23	0.092	-0.058	-0.137	12.016
6235_6235	6235	6235	62.805	2.135	-0.292	-0.066	1.98	-7.596
6235_6236	6235	6236	-66.371	16.447	0.292	0.066	0.917	-59.772
6236_6236	6236	6236	66.181	16.889	0.23	0.009	-0.917	59.915
6236_6237	6236	6237	-65.887	1.109	-0.23	-0.009	-1.291	16.611
6237_6237	6237	6237	65.889	-1.109	0.23	-0.006	1.291	-16.611
6237_6238	6237	6238	-65.567	20.76	-0.23	0.006	-3.705	-97.379
6238_6238	6238	6238	65.727	23.583	-0.172	0.135	3.705	97.488
6238_6239	6238	6239	-67.12	-0.103	0.172	-0.135	-1.548	51.709
6239_6239	6239	6239	67.305	0.104	-0.171	-0.152	1.548	-51.902
6239_6240	6239	6240	-68.627	22.297	0.171	0.152	0.492	-80.176
6240_6240	6240	6240	68.566	20.462	-0.07	0.028	-0.492	80.15
6240_6241	6240	6241	-67.238	-1.768	0.07	-0.028	1.191	29.572
6241_6241	6241	6241	67.238	1.768	-0.069	-0.024	-1.191	-29.572
6241_6242	6241	6242	-65.957	16.271	0.069	0.024	1.86	-41.477
6242_6242	6242	6242	65.95	17.827	-0.066	0.007	-1.86	41.539
6242_6243	6242	6243	-65.331	1.356	0.066	-0.007	2.54	42.048
6243_6243	6243	6243	65.331	-1.356	-0.066	0.004	-2.54	-42.048
6243_6244	6243	6244	-64.765	18.924	0.066	-0.004	3.162	-53.799
6244_6244	6244	6244	64.75	19.026	0.091	0.178	-3.162	53.78

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6244_6245	6244	6245	-64.256	-1.525	-0.091	-0.178	2.31	41.562
6245_6245	6245	6245	64.255	1.525	0.094	-0.148	-2.31	-41.562
6245_6246	6245	6246	-63.712	17.721	-0.094	0.148	1.348	-42.43
6246_6246	6246	6246	63.695	16.085	-0.198	-0.001	-1.348	42.451
6246_6247	6246	6247	-62.958	2.729	0.198	0.001	3.333	23.64
6247_6247	6247	6247	62.958	-2.729	-0.198	0.008	-3.333	-23.64
6247_6248	6247	6248	-62.255	20.657	0.198	-0.008	5.226	-89.269
6248_6248	6248	6248	62.27	22.305	0.458	0.265	-5.226	89.334
6248_6249	6248	6249	-62.858	2.546	-0.458	-0.265	-0.858	42.511
6249_6249	6249	6249	62.95	-2.546	0.463	-0.301	0.857	-42.6
6249_6250	6249	6250	-63.448	23.572	-0.463	0.301	-6.056	-103.413
6250_6250	6250	6250	63.495	21.893	-0.301	-0.005	6.056	103.431
6250_6251	6250	6251	-62.844	0.659	0.301	0.005	-2.431	23.317
6251_6251	6251	6251	62.844	-0.659	-0.301	0.011	2.431	-23.317
6251_6252	6251	6252	-62.327	18.594	0.301	-0.011	0.454	-69.775
6252_6252	6252	6252	62.328	18.186	0.059	-0.015	-0.454	69.748
6252_6253	6252	6253	-49.274	3.389	-0.059	0.015	-0.221	0.167
6253_6253	6253	6253	49.272	-3.389	0.06	0.032	0.221	-0.168
6253_6254	6253	6254	-37.83	22.298	-0.06	-0.032	-0.823	-142.957
6254_6254	6254	6254	95.027	19.923	-0.024	0.003	0.599	50.038
6254_6255	6254	6255	-117.254	2.205	0.024	-0.003	-0.334	76.361
6255_6255	6255	6255	117.35	-2.202	-0.024	0.013	0.333	-76.514
6255_6256	6255	6256	-143.774	28.491	0.024	-0.013	-0.018	-95.304
6256_6256	6256	6256	143.773	23.785	0.022	0.278	0.018	95.342
6256_6257	6256	6257	-144.927	-1.059	-0.022	-0.278	-0.274	48.989
6257_6257	6257	6257	144.933	1.059	0.022	-0.26	0.274	-48.985
6257_6258	6257	6258	-146.092	21.768	-0.022	0.26	-0.531	-69.116
6258_6258	6258	6258	146.087	21.66	0.004	0.026	0.531	69.311
6258_6259	6258	6259	-151.968	1.459	-0.004	-0.026	-0.58	55.938
6259_6259	6259	6259	151.968	-1.459	0.004	-0.022	0.58	-55.937
6259_6260	6259	6260	-157.677	23.902	-0.004	0.022	-0.627	-81.189
6260_6260	6260	6260	157.675	20.904	0.007	0.339	0.627	81.368
6260_6261	6260	6261	-165.387	1.824	-0.007	-0.339	-0.714	37.598
6261_6261	6261	6261	165.398	-1.824	0.007	-0.353	0.714	-37.59
6261_6262	6261	6262	-173.148	24.664	-0.007	0.353	-0.8	-106.177
6262_6262	6262	6262	173.18	23.361	-0.003	-0.042	0.8	106.03
6262_6263	6262	6263	-166.597	-0.999	0.003	0.042	-0.766	23.944
6263_6263	6263	6263	166.789	0.997	-0.002	-0.003	0.786	-24.321
6263_6264	6263	6264	-159.384	24.14	0.002	0.003	-0.756	-131.685
6264_6264	6264	6264	159.409	26.704	-0.013	0.005	0.756	131.808
6264_6265	6264	6265	-138.364	-0.594	0.013	-0.005	-0.585	23.666
6265_6265	6265	6265	138.365	0.594	-0.013	-0.061	0.585	-23.665
6265_6266	6265	6266	-120.041	22.14	0.013	0.061	-0.437	-121.892
6266_6266	6266	6266	120.089	23.631	0.062	0.005	0.437	121.865
6266_6267	6266	6267	-114.244	-2.63	-0.062	-0.005	-1.095	9.449
6267_6267	6267	6267	114.25	2.63	0.062	-0.047	1.095	-9.451
6267_6268	6267	6268	-109.535	14.31	-0.062	0.047	-1.627	-47.242
6268_6268	6268	6268	64.475	21.459	-0.201	-0.016	2.441	121.118
6268_6269	6268	6269	-78.88	3.941	0.201	0.016	0.102	6.011
6269_6269	6269	6269	78.908	-3.94	-0.201	-0.014	-0.101	-6.043
6269_6270	6269	6270	-91.315	25.814	0.201	0.014	2.292	-141.984
6270_6270	6270	6270	91.312	34.117	0.096	0.44	-2.292	141.915
6270_6271	6270	6271	-56.446	-10.685	-0.096	-0.44	1.176	81.968

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6271_6271	6271	6271	56.445	10.685	0.096	-0.431	-1.176	-81.97
6271_6272	6271	6272	-19.712	14.002	-0.096	0.431	0	22.007
6372_6372	6372	6372	17.854	10.274	-0.23	0.007	0	-23.951
6372_6373	6372	6373	-50.998	8.226	0.23	-0.007	2.85	73.135
6373_6373	6373	6373	50.998	-8.226	-0.23	-0.013	-2.85	-73.135
6373_6374	6373	6374	-82.1	25.586	0.23	0.013	5.523	-89.023
6374_6374	6374	6374	82.113	19.079	0.334	-0.005	-5.523	89.018
6374_6375	6374	6375	-72.618	-2.526	-0.334	0.005	1.822	20.088
6375_6375	6375	6375	72.618	2.526	0.334	0.011	-1.822	-20.087
6375_6376	6375	6376	-64.084	12.352	-0.334	-0.011	-1.506	-38.338
6376_6376	6376	6376	64.085	14.063	0.009	0.145	1.506	38.324
6376_6377	6376	6377	-66.361	3.449	-0.009	-0.145	-1.615	26.085
6377_6377	6377	6377	66.358	-3.449	0.009	-0.124	1.615	-26.087
6377_6378	6377	6378	-68.566	20.44	-0.009	0.124	-1.721	-107.584
6378_6378	6378	6378	68.473	19.513	-0.064	-0.017	1.715	106.419
6378_6379	6378	6379	-67.67	0.094	0.064	0.017	-0.875	20.308
6379_6379	6379	6379	67.67	-0.094	-0.064	-0.021	0.875	-20.308
6379_6380	6379	6380	-67.015	16.07	0.064	0.021	-0.19	-66.669
6380_6380	6380	6380	67.013	15.76	-0.073	0.028	0.19	66.532
6380_6381	6380	6381	-65.461	0.351	0.073	-0.028	0.597	14.422
6381_6381	6381	6381	65.459	-0.351	-0.071	-0.038	-0.597	-14.423
6381_6382	6381	6382	-64.066	14.804	0.071	0.038	1.287	-60.782
6382_6382	6382	6382	64.053	17.872	0.05	0.001	-1.287	61.3
6382_6383	6382	6383	-58.631	-0.726	-0.05	-0.001	0.714	39.167
6383_6383	6383	6383	58.631	0.726	0.05	0.016	-0.714	-39.167
6383_6384	6383	6384	-53.176	16.526	-0.05	-0.016	0.139	-58.333
6384_6384	6384	6384	71.603	17.368	-0.015	0	0.223	28.386
6384_6385	6384	6385	-61.76	-1.122	0.015	0	-0.061	60.678
6385_6385	6385	6385	61.761	1.122	-0.015	0.033	0.061	-60.678
6385_6386	6385	6386	-51.395	15.986	0.015	-0.033	0.112	-38.083
6386_6386	6386	6386	51.398	17.97	0.009	0.283	-0.112	38.049
6386_6387	6386	6387	-54.405	-0.908	-0.009	-0.283	0.003	74.567
6387_6387	6387	6387	54.402	0.908	0.011	-0.219	-0.003	-74.569
6387_6388	6387	6388	-57.659	17.573	-0.011	0.219	-0.136	-25.101
6388_6388	6388	6388	57.662	17.922	-0.007	-0.001	0.136	25.196
6388_6389	6388	6389	-58.583	0.454	0.007	0.001	-0.044	84.338
6389_6389	6389	6389	58.583	-0.454	-0.008	0.052	0.044	-84.338
6389_6390	6389	6390	-59.443	17.608	0.008	-0.052	0.043	-19.074
6390_6390	6390	6390	59.445	17.688	0.026	0.28	-0.043	19.109
6390_6391	6390	6391	-60.794	1.481	-0.026	-0.28	-0.289	87.454
6391_6391	6391	6391	60.792	-1.481	0.027	-0.278	0.289	-87.456
6391_6392	6391	6392	-61.943	17.84	-0.027	0.278	-0.588	-17.728
6392_6392	6392	6392	61.943	17.327	-0.054	0.034	0.588	17.761
6392_6393	6392	6393	-63.413	0.3	0.054	-0.034	0.057	85.287
6393_6393	6393	6393	63.413	-0.3	-0.054	0.007	-0.057	-85.287
6393_6394	6393	6394	-64.905	18.205	0.054	-0.007	0.712	-24.719
6394_6394	6394	6394	64.912	17.423	0.18	0.313	-0.712	24.255
6394_6395	6394	6395	-65.204	0.169	-0.18	-0.313	-1.426	78.591
6395_6395	6395	6395	65.205	-0.169	0.182	-0.277	1.426	-78.593
6395_6396	6395	6396	-65.503	18.091	-0.182	0.277	-3.625	-31.404
6396_6396	6396	6396	65.489	15.777	-0.619	0.03	3.625	31.466
6396_6397	6396	6397	-72.926	2.065	0.619	-0.03	3.831	59.661
6397_6397	6397	6397	72.925	-2.065	-0.619	-0.014	-3.831	-59.661

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6397_6398	6397	6398	-80.292	19.742	0.619	0.014	11.217	-61.926
6398_6398	6398	6398	80.283	22.636	0.558	0.547	-11.217	61.976
6398_6399	6398	6399	-41.536	-4.022	-0.558	-0.547	4.206	61.89
6399_6399	6399	6399	41.536	4.022	0.564	-0.889	-4.206	-61.895
6399_6400	6399	6400	-18.55	7.021	-0.564	0.889	0	24.873
6572_6572	6572	6572	17.859	10.199	-0.128	0.003	0	-24.002
6572_6573	6572	6573	-51.273	8.309	0.128	-0.003	1.587	72.492
6573_6573	6573	6573	51.273	-8.309	-0.128	-0.003	-1.587	-72.492
6573_6574	6573	6574	-82.407	25.554	0.128	0.003	3.066	-88.651
6574_6574	6574	6574	82.416	19.168	0.023	-0.001	-3.066	88.611
6574_6575	6574	6575	-72.443	-2.899	-0.023	0.001	2.814	20.488
6575_6575	6575	6575	72.443	2.899	0.023	0	-2.814	-20.488
6575_6576	6575	6576	-63.43	11.803	-0.023	0	2.586	-33.293
6576_6576	6576	6576	63.421	13.521	0.286	0.135	-2.586	33.244
6576_6577	6576	6577	-66.738	4.164	-0.286	-0.135	-0.797	25.421
6577_6577	6577	6577	66.741	-4.164	0.286	-0.149	0.797	-25.422
6577_6578	6577	6578	-69.958	21.316	-0.286	0.149	-4.078	-117.623
6578_6578	6578	6578	70.381	20.439	-0.198	0.004	4.072	119.205
6578_6579	6578	6579	-68.463	-1.192	0.198	-0.004	-1.515	18.254
6579_6579	6579	6579	68.463	1.192	-0.199	-0.003	1.515	-18.254
6579_6580	6579	6580	-66.848	15.019	0.199	0.003	0.639	-58.321
6580_6580	6580	6580	66.856	15.526	0.002	0.057	-0.639	58.461
6580_6581	6580	6581	-65.203	0.348	-0.002	-0.057	0.616	19.934
6581_6581	6581	6581	65.202	-0.348	0	-0.056	-0.616	-19.934
6581_6582	6581	6582	-63.681	14.963	0	0.056	0.612	-57.004
6582_6582	6582	6582	63.706	17.575	0.004	0.034	-0.612	56.679
6582_6583	6582	6583	-59.571	-0.838	-0.004	-0.034	0.572	41.805
6583_6583	6583	6583	59.571	0.838	0.003	-0.002	-0.572	-41.805
6583_6584	6583	6584	-55.254	16.638	-0.003	0.002	0.534	-55.431
6584_6584	6584	6584	73.337	17.484	0.014	0.022	-0.296	26.383
6584_6585	6584	6585	-62.339	-1.461	-0.014	-0.022	0.145	62.33
6585_6585	6585	6585	62.339	1.461	0.014	0.02	-0.145	-62.33
6585_6586	6585	6586	-50.507	15.776	-0.014	-0.02	-0.018	-35.682
6586_6586	6586	6586	50.519	17.811	0.004	0.237	0.018	35.856
6586_6587	6586	6587	-54	-0.951	-0.004	-0.237	-0.058	75.39
6587_6587	6587	6587	53.999	0.951	0.002	-0.167	0.058	-75.392
6587_6588	6587	6588	-57.835	17.626	-0.002	0.167	-0.085	-24.18
6588_6588	6588	6588	57.826	17.776	0.003	0.008	0.085	23.729
6588_6589	6588	6589	-58.78	0.424	-0.003	-0.008	-0.128	84.107
6589_6589	6589	6589	58.78	-0.424	0.004	0.043	0.128	-84.107
6589_6590	6589	6590	-59.682	17.646	-0.004	-0.043	-0.169	-19.699
6590_6590	6590	6590	59.688	17.597	-0.004	0.293	0.169	19.298
6590_6591	6590	6591	-61.113	1.458	0.004	-0.293	-0.122	86.25
6591_6591	6591	6591	61.11	-1.458	-0.005	-0.294	0.122	-86.252
6591_6592	6591	6592	-62.333	17.81	0.005	0.294	-0.065	-18.534
6592_6592	6592	6592	62.332	17.356	0.043	0.024	0.065	19.251
6592_6593	6592	6593	-63.796	0.035	-0.043	-0.024	-0.569	84.144
6593_6593	6593	6593	63.796	-0.035	0.043	0.009	0.569	-84.144
6593_6594	6593	6594	-65.314	18.069	-0.043	-0.009	-1.091	-24.207
6594_6594	6594	6594	65.315	17.087	-0.169	0.268	1.091	24.209
6594_6595	6594	6595	-65.929	0.513	0.169	-0.268	0.92	74.989
6595_6595	6595	6595	65.925	-0.513	-0.171	-0.245	-0.92	-74.991
6595_6596	6595	6596	-66.546	18.317	0.171	0.245	2.972	-37.348

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6596_6596	6596	6596	66.555	16.607	0.676	-0.009	-2.972	37.556
6596_6597	6596	6597	-73.221	1.2	-0.676	0.009	-5.146	62.542
6597_6597	6597	6597	73.221	-1.2	0.676	0.014	5.146	-62.542
6597_6598	6597	6598	-79.811	18.805	-0.676	-0.014	-13.174	-48.87
6598_6598	6598	6598	79.812	20.862	-0.788	0.013	13.174	48.852
6598_6599	6598	6599	-34.154	-2.301	0.788	-0.013	-3.306	45.154
6599_6599	6599	6599	34.151	2.301	-0.788	-0.041	3.306	-45.155
6599_6600	6599	6600	-18.861	3.915	0.788	0.041	0	24.666
7000_7000	7000	7000	62.55	449.74	2.995	3.121	0	-347.775
7000_7001	7000	7001	-53.749	-419.103	-2.995	-3.121	-31.465	4871.669
7001_7001	7001	7001	53.749	419.103	2.995	3.143	31.465	-4871.67
7001_7002	7001	7002	-45.877	-391.703	-2.995	-3.143	-59.605	8644.872
7002_7002	7002	7002	45.842	335.098	-2.665	8.337	59.605	-8644.86
7002_7003	7002	7003	-39.437	-299.791	2.665	-8.337	-27.337	12459.56
7003_7003	7003	7003	39.433	299.791	-2.665	-2.758	27.337	-12459.6
7003_7004	7003	7004	-33.024	-264.46	2.665	2.758	4.958	15849.02
7004_7004	7004	7004	33.041	219.825	-0.085	17.351	-4.958	-15849.1
7004_7005	7004	7005	-27.176	-184.526	0.085	-17.351	5.984	18270.06
7005_7005	7005	7005	27.176	184.526	-0.085	-13.527	-5.984	-18270.1
7005_7006	7005	7006	-21.307	-149.207	0.085	13.527	7.017	20264.78
7006_7006	7006	7006	21.308	106.691	0.974	18.843	-7.017	-20264.9
7006_7007	7006	7007	-17.575	-71.375	-0.974	-18.843	-4.784	21326.67
7007_7007	7007	7007	17.577	71.375	0.974	-17.209	4.784	-21326.7
7007_7008	7007	7008	-13.842	-36.038	-0.974	17.209	-16.586	21960.99
7008_7008	7008	7008	13.838	-6.021	-0.356	18.068	16.586	-21961.1
7008_7009	7008	7009	-12.672	41.326	0.356	-18.068	-12.271	21669.88
7009_7009	7009	7009	12.671	-41.326	-0.357	-18.501	12.271	-21669.9
7009_7010	7009	7010	-11.505	76.652	0.357	18.501	-7.947	20950.64
7010_7010	7010	7010	11.512	-117.696	0.694	14.118	7.947	-20950.9
7010_7011	7010	7011	-12.794	153.019	-0.694	-14.118	-16.352	19317.94
7011_7011	7011	7011	12.795	-153.019	0.693	-16.419	16.352	-19317.9
7011_7012	7011	7012	-14.076	188.334	-0.693	16.419	-24.75	17257.62
7012_7012	7012	7012	14.075	-230.347	0.542	9.998	24.75	-17257.7
7012_7013	7012	7013	-17.83	265.659	-0.542	-9.998	-31.311	14272.74
7013_7013	7013	7013	17.83	-265.659	0.541	-13.666	31.311	-14272.7
7013_7014	7013	7014	-21.587	300.993	-0.541	13.666	-37.87	10857.86
7014_7014	7014	7014	21.591	-344.315	0.236	1.544	37.87	-10858
7014_7015	7014	7015	-25.838	390.511	-0.236	-1.544	-41.602	5058.096
7015_7015	7015	7015	24.497	-389.419	0.154	-4.382	40.516	-5013.77
7015_7016	7015	7016	-28.363	411.909	-0.154	4.386	-41.789	1714.91
7016_7016	7016	7016	62.544	-459.707	0.182	-3.911	46.088	-1834.1
7016_7017	7016	7017	-72.2	491.807	-0.182	3.92	-48.225	-3721.55
7017_7017	7017	7017	86.435	-489.64	0.18	1.92	48.538	3719.059
7017_7018	7017	7018	-96.11	528.523	-0.18	-1.905	-50.932	-10434
7018_7018	7018	7018	115.162	-574.344	-0.683	-21.086	49.044	10434.23
7018_7019	7018	7019	-123.744	612.904	0.683	21.039	-40.481	-17841.7
7019_7019	7019	7019	140.58	-609.671	-0.684	20.268	44.855	17842.52
7019_7020	7019	7020	-148.161	650.709	0.684	-20.32	-36.248	-25730.1
7020_7020	7020	7020	-2391.06	214.282	-22.072	-3.136	501.262	5595.764
7020_7021	7020	7021	2390.714	-187.711	22.072	3.136	-291.597	-3685.14
7021_7021	7021	7021	-2391.2	187.713	-20.751	-0.952	292.86	3687.481
7021_7022	7021	7022	2390.91	-168.147	20.751	0.952	-132.087	-2307.84
7022_7022	7022	7022	-2390.93	168.147	-17.665	2.134	132.087	2307.843

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7022_7023	7022	7023	2390.646	-148.584	17.665	-2.134	4.76	-1079.96
7023_7023	7023	7023	-2390.68	100.303	-6.588	-0.736	-4.76	1079.868
7023_7024	7023	7024	2390.153	-80.082	6.588	0.736	57.516	-355.637
7024_7024	7024	7024	-2390.16	80.082	-3.925	-0.239	-57.516	355.638
7024_7025	7024	7025	2389.639	-59.889	3.925	0.239	88.903	206.011
7025_7025	7025	7025	-2389.64	59.889	-3.925	-0.239	-88.903	-206.011
7025_7026	7025	7026	2389.118	-39.696	3.925	0.239	120.29	606.187
7026_7026	7026	7026	-2389.12	-8.134	-3.685	-0.181	-120.29	-606.285
7026_7027	7026	7027	2388.174	23.296	3.685	0.181	142.415	515.683
7027_7027	7027	7027	-2388.17	-23.296	-4.113	-0.104	-142.415	-515.683
7027_7028	7027	7028	2387.226	38.434	4.113	0.104	167.067	334.418
7028_7028	7028	7028	-2387.23	-38.434	0.299	-0.575	-167.067	-334.418
7028_7029	7028	7029	2386.281	53.593	-0.299	0.575	165.274	61.946
7029_7029	7029	7029	-2386.28	-53.593	0.299	-0.575	-165.274	-61.946
7029_7030	7029	7030	2385.333	68.753	-0.299	0.575	163.48	-301.533
7030_7030	7030	7030	-2385.34	-116.212	1.597	-1.474	-163.48	301.518
7030_7031	7030	7031	2383.335	136.397	-1.597	1.474	150.718	-1303.13
7031_7031	7031	7031	-2383.34	-136.397	1.909	-1.298	-150.718	1303.133
7031_7032	7031	7032	2381.331	156.607	-1.909	1.298	135.442	-2467.64
7032_7032	7032	7032	-2381.33	-156.607	4.898	1.823	-135.442	2467.64
7032_7033	7032	7033	2379.323	176.815	-4.898	-1.823	96.246	-3793.71
7033_7033	7033	7033	-2379.28	-225.952	14.984	0.073	-96.246	3793.784
7033_7034	7033	7034	2376.985	245.521	-14.984	-0.073	-19.869	-5611.47
7034_7034	7034	7034	-2377	-245.521	11.896	-7.153	19.869	5611.46
7034_7035	7034	7035	2374.71	265.093	-11.896	7.153	-112.07	-7581.06
7035_7035	7035	7035	-2375.45	-265.106	16.435	7.349	111.018	7584.778
7035_7036	7035	7036	2372.765	291.672	-16.435	-7.349	-267.112	-10218.1
7036_7036	7036	7036	156.94	544.329	-0.049	-10.83	-20.941	31646.1
7036_7037	7036	7037	-152.557	-503.251	0.049	10.793	21.557	-25086.5
7037_7037	7037	7037	138.662	506.51	-0.064	9.676	-23.619	25085.71
7037_7038	7037	7038	-134.06	-467.922	0.064	-9.709	24.426	-19003.7
7038_7038	7038	7038	118.364	428.409	1.72	-5.957	-23.144	19003.75
7038_7039	7038	7039	-113.593	-389.479	-1.72	5.975	0.312	-13602.2
7039_7039	7039	7039	613.58	385.053	0.991	5.839	-0.039	10859.15
7039_7040	7039	7040	-616.151	-353.088	-0.991	-5.849	-11.617	-6619.27
7040_7040	7040	7040	608.194	306.857	0.048	2.185	11.827	6620.409
7040_7041	7040	7041	-588.957	-284.832	-0.048	-2.187	-12.219	-4294.59
7041_7041	7041	7041	668.158	287.37	-0.054	-0.48	10.551	3892.715
7041_7042	7041	7042	-596.403	-250.449	0.054	0.48	-9.725	-67.828
7042_7042	7042	7042	596.408	205.068	-0.091	5.505	9.725	67.846
7042_7043	7042	7043	-544.838	-176.587	0.091	-5.505	-8.647	1970.257
7043_7043	7043	7043	544.837	176.587	-0.143	-5.031	8.647	-1970.26
7043_7044	7043	7044	-493.274	-148.11	0.143	5.031	-6.943	3669.2
7044_7044	7044	7044	493.278	107.513	-0.039	3.156	6.943	-3669.21
7044_7045	7044	7045	-444.215	-79.014	0.039	-3.156	-6.473	4556.762
7045_7045	7045	7045	444.215	79.014	-0.063	-2.862	6.473	-4556.76
7045_7046	7045	7046	-395.197	-50.542	0.063	2.862	-5.718	5104.63
7046_7046	7046	7046	395.194	9.775	0.152	6.056	5.718	-5104.64
7046_7047	7046	7047	-349.266	18.717	-0.152	-6.056	-7.531	4841.052
7047_7047	7047	7047	349.266	-18.717	0.1	-6.031	7.531	-4841.05
7047_7048	7047	7048	-303.344	47.205	-0.1	6.031	-8.717	4238.392
7048_7048	7048	7048	303.342	-88.44	-0.073	1.692	8.717	-4238.41
7048_7049	7048	7049	-260.388	116.925	0.073	-1.692	-7.849	2817.843

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7049_7049	7049	7049	260.388	-116.925	-0.099	-1.888	7.849	-2817.84
7049_7050	7049	7050	-217.436	145.409	0.099	1.888	-6.668	1058.377
7050_7050	7050	7050	217.436	-187.011	0.413	-1.074	6.668	-1058.38
7050_7051	7050	7051	-163.419	223.92	-0.413	1.074	-13.043	-2360.98
7051_7051	7051	7051	162.537	-222.235	0.373	2.168	13.158	2378.649
7051_7052	7051	7052	-135.33	242.626	-0.373	-2.166	-16.237	-4423.63
7052_7052	7052	7052	142.263	-287.461	-0.381	-7.318	15.98	4424.261
7052_7053	7052	7053	-110.31	316.932	0.381	7.326	-11.502	-8149.56
7053_7053	7053	7053	103.348	-314.381	-0.247	11.579	20.584	8235.684
7053_7054	7053	7054	-86.466	352.114	0.247	-11.567	-17.308	-12786
7054_7054	7054	7054	100.519	-393.124	-1.007	-15.131	15.271	12787.99
7054_7055	7054	7055	-96.16	430.337	1.007	15.107	-2.644	-18042.1
7055_7055	7055	7055	108.193	-426.373	-1.057	15.946	5.894	18045.03
7055_7056	7055	7056	-111.964	465.767	1.057	-15.972	7.396	-23718.5
7056_7056	7056	7056	-1984.3	269.798	-16.338	-5.254	301.244	7457.583
7056_7057	7056	7057	1992.873	-244.031	16.338	5.254	-145.928	-5054.54
7057_7057	7057	7057	-1994.39	244.03	-13.913	1.341	147.057	5023.855
7057_7058	7057	7058	2001.434	-223.482	13.913	-1.341	-39.217	-3244.18
7058_7058	7058	7058	-2001.45	223.482	-11.121	6.22	39.217	3244.171
7058_7059	7058	7059	2008.487	-202.936	11.121	-6.22	46.977	-1623.91
7059_7059	7059	7059	-2008.48	156.508	-6.435	-0.762	-46.977	1623.975
7059_7060	7059	7060	2015.371	-135.323	6.435	0.762	98.401	-489.6
7060_7060	7060	7060	-2015.38	135.323	-3.534	0.834	-98.401	489.598
7060_7061	7060	7061	2022.277	-114.114	3.534	-0.834	126.672	476.511
7061_7061	7061	7061	-2022.28	114.114	-0.829	1.215	-126.672	-476.513
7061_7062	7061	7062	2029.178	-92.907	0.829	-1.215	133.302	1272.88
7062_7062	7062	7062	-2029.18	47.787	-2.827	1.134	-133.302	-1273.02
7062_7063	7062	7063	2033.859	-31.868	2.827	-1.134	150.279	1490.369
7063_7063	7063	7063	-2033.86	31.868	0.777	0.181	-150.279	-1490.37
7063_7064	7063	7064	2038.539	-15.952	-0.777	-0.181	145.612	1612.126
7064_7064	7064	7064	-2038.54	15.952	0.53	0.254	-145.612	-1612.13
7064_7065	7064	7065	2043.21	-0.061	-0.53	-0.254	142.435	1638.352
7065_7065	7065	7065	-2043.21	0.061	0.777	0.184	-142.435	-1638.35
7065_7066	7065	7066	2047.889	15.855	-0.777	-0.184	137.769	1569.136
7066_7066	7066	7066	-2047.89	-61.288	4.325	0.435	-137.769	-1569.06
7066_7067	7066	7067	2053.364	82.49	-4.325	-0.435	103.18	968.133
7067_7067	7067	7067	-2053.36	-82.49	4.325	0.435	-103.18	-968.133
7067_7068	7067	7068	2058.84	103.691	-4.325	-0.435	68.591	197.648
7068_7068	7068	7068	-2058.84	-103.691	4.504	0.52	-68.591	-197.649
7068_7069	7068	7069	2064.324	124.919	-4.504	-0.52	32.521	-743.677
7069_7069	7069	7069	-2064.29	-170.575	12.882	-2.916	-32.521	743.82
7069_7070	7069	7070	2069.483	191.11	-12.882	2.916	-67.265	-2169.5
7070_7070	7070	7070	-2069.47	-191.11	15.677	1.633	67.265	2169.498
7070_7071	7070	7071	2074.662	211.643	-15.677	-1.633	-188.691	-3754.11
7071_7071	7071	7071	-2071.83	-211.642	15.849	2.421	189.633	3779.839
7071_7072	7071	7072	2078.042	237.388	-15.849	-2.421	-340.183	-5942.32
7072_7072	7072	7072	71.508	500.932	0.838	-6.649	-3.31	21856.15
7072_7073	7072	7073	-40.902	-461.872	-0.838	6.615	-7.231	-15873.4
7073_7073	7073	7073	28.075	465.843	0.815	8.267	5.663	15871.48
7073_7074	7073	7074	3.668	-429.046	-0.815	-8.298	-15.887	-10322.5
7074_7074	7074	7074	-18.329	390.676	0.056	0.331	16.589	10321.59
7074_7075	7074	7075	45.532	-353.371	-0.056	-0.305	-17.332	-5423.81
7075_7075	7075	7075	436.082	349.953	0.242	1.012	11.514	2781.525

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7075_7076	7075	7076	-435.368	-321.506	-0.242	-0.997	-14.354	1103.445
7076_7076	7076	7076	428.067	278.46	0.053	4.767	14.324	-1102.82
7076_7077	7076	7077	-416.507	-258.779	-0.053	-4.769	-14.762	3254.715
7077_7077	7077	7077	384.226	261.352	0.047	-3.076	16.403	-3222.45
7077_7078	7077	7078	-353.865	-225.997	-0.047	3.076	-17.063	6487.328
7078_7078	7078	7078	353.861	187.567	-0.431	5.306	17.063	-6487.36
7078_7079	7078	7079	-331.314	-159.256	0.431	-5.306	-12.235	8323.074
7079_7079	7079	7079	331.313	159.256	-0.456	-3.744	12.235	-8323.07
7079_7080	7079	7080	-308.787	-130.97	0.456	3.744	-7.136	9840.512
7080_7080	7080	7080	308.79	94.694	0.098	6.335	7.136	-9840.59
7080_7081	7080	7081	-288.471	-66.412	-0.098	-6.335	-8.23	10645.16
7081_7081	7081	7081	288.471	66.412	0.07	-5.444	8.23	-10645.2
7081_7082	7081	7082	-268.134	-38.105	-0.07	5.444	-9.018	11133.67
7082_7082	7082	7082	268.136	-0.151	-0.095	5.247	9.018	-11133.8
7082_7083	7082	7083	-249.104	30.557	0.095	-5.247	-7.876	10857.59
7083_7083	7083	7083	249.104	-30.557	-0.119	-4.954	7.876	-10857.6
7083_7084	7083	7084	-230.073	60.962	0.119	4.954	-6.443	10215.82
7084_7084	7084	7084	230.074	-98.895	-0.087	3.985	6.443	-10215.9
7084_7085	7084	7085	-214.974	127.196	0.087	-3.985	-5.466	8876.657
7085_7085	7085	7085	214.974	-127.196	-0.112	-4.398	5.466	-8876.66
7085_7086	7085	7086	-199.887	155.471	0.112	4.398	-4.212	7222.354
7086_7086	7086	7086	199.884	-192.409	0.027	4.386	4.212	-7222.36
7086_7087	7086	7087	-187.249	220.708	-0.027	-4.386	-4.509	4847.277
7087_7087	7087	7087	187.248	-220.708	-0.026	-5.293	4.509	-4847.28
7087_7088	7087	7088	-174.614	249.005	0.026	5.293	-4.223	2155.705
7088_7088	7088	7088	174.616	-285.628	0.142	-2.023	4.223	-2155.71
7088_7089	7088	7089	-160.747	319.644	-0.142	2.023	-6.137	-1986.3
7089_7089	7089	7089	163.717	-317.927	0.082	1.389	6.03	2036.704
7089_7090	7089	7090	-155.114	338.734	-0.082	-1.388	-6.703	-4786.9
7090_7090	7090	7090	163.798	-378.392	-0.357	-8.913	6.398	4787.347
7090_7091	7090	7091	-154.893	408.365	0.357	8.92	-2.203	-9464.43
7091_7091	7091	7091	152.621	-404.664	-0.207	6.69	7.746	9539.616
7091_7092	7091	7092	-148.658	441.708	0.207	-6.685	-5.003	-15197.6
7092_7092	7092	7092	164.981	-481.032	-0.917	-17.897	3.008	15199.2
7092_7093	7092	7093	-165.824	517.658	0.917	17.859	8.493	-21490.6
7093_7093	7093	7093	180.134	-512.68	-0.965	17.983	-4.814	21493.31
7093_7094	7093	7094	-184.054	551.543	0.965	-18.025	16.955	-28206.3
7094_7094	7094	7094	-2223.34	241.002	-11.024	-5.333	159.013	8029.1
7094_7095	7094	7095	2227.905	-215.682	11.024	5.333	-54.221	-5878.69
7095_7095	7095	7095	-2229.72	215.693	-8.816	0.274	52.996	5887.49
7095_7096	7095	7096	2233.258	-195.656	8.816	-0.274	15.279	-4310.3
7096_7096	7096	7096	-2233.27	195.656	-5.673	6.533	-15.279	4310.298
7096_7097	7096	7097	2236.81	-175.595	5.673	-6.533	59.268	-2886.61
7097_7097	7097	7097	-2236.81	131.538	-0.482	-2.878	-59.268	2886.601
7097_7098	7097	7098	2240.197	-110.855	0.482	2.878	63.123	-1932.8
7098_7098	7098	7098	-2240.2	110.855	2.56	0.233	-63.123	1932.8
7098_7099	7098	7099	2243.583	-90.147	-2.56	-0.233	42.635	-1143.49
7099_7099	7099	7099	-2243.58	90.147	5.502	2.315	-42.635	1143.492
7099_7100	7099	7100	2246.965	-69.44	-5.502	-2.315	-1.404	-519.958
7100_7100	7100	7100	-2246.99	25.887	-0.508	-0.117	1.404	520.067
7100_7101	7100	7101	2249.055	-10.382	0.508	0.117	1.64	-420.85
7101_7101	7101	7101	-2249.05	10.382	3.54	1.642	-1.64	420.848
7101_7102	7101	7102	2251.125	5.148	-3.54	-1.642	-19.611	-414.616

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7102_7102	7102	7102	-2251.12	-5.148	-4.307	-1.854	19.611	414.617
7102_7103	7102	7103	2253.197	20.679	4.307	1.854	6.245	-501.618
7103_7103	7103	7103	-2253.2	-20.679	-0.508	0.03	-6.245	501.619
7103_7104	7103	7104	2255.27	36.183	0.508	-0.03	9.289	-681.47
7104_7104	7104	7104	-2255.27	-79.978	-4.554	-1.79	-9.289	681.377
7104_7105	7104	7105	2257.357	100.685	4.554	1.79	45.738	-1414.31
7105_7105	7105	7105	-2257.36	-100.685	-1.611	0.897	-45.738	1414.31
7105_7106	7105	7106	2259.448	121.391	1.611	-0.897	58.632	-2312.94
7106_7106	7106	7106	-2259.45	-121.391	-1.699	0.781	-58.632	2312.943
7106_7107	7106	7107	2261.534	142.072	1.699	-0.781	72.217	-3375.87
7107_7107	7107	7107	-2261.52	-185.691	7.31	-2.93	-72.217	3375.919
7107_7108	7107	7108	2263.317	205.749	-7.31	2.93	15.539	-4902.13
7108_7108	7108	7108	-2263.32	-205.749	7.31	-2.93	-15.539	4902.127
7108_7109	7108	7109	2265.116	225.807	-7.31	2.93	-41.139	-6583.85
7109_7109	7109	7109	-2265.56	-225.809	9.68	4.45	41.203	6586.045
7109_7110	7109	7110	2267.855	251.096	-9.68	-4.45	-133.097	-8860.99
7110_7110	7110	7110	172.699	536.203	0.396	-19.841	-5.81	29249.36
7110_7111	7110	7111	-156.275	-497.477	-0.396	19.803	0.831	-22789.8
7111_7111	7111	7111	142.47	502.676	0.329	19.485	-4.889	22787.89
7111_7112	7111	7112	-124.718	-466.224	-0.329	-19.52	0.768	-16753.6
7112_7112	7112	7112	109.18	431.032	0.269	-2.852	1.147	16752.93
7112_7113	7112	7113	-92.552	-394.182	-0.269	2.864	-4.712	-11314.2
7113_7113	7113	7113	511.484	393.141	0.27	4.49	10.013	9003.574
7113_7114	7113	7114	-510.714	-363.353	-0.27	-4.484	-13.19	-4630.97
7114_7114	7114	7114	502.533	321.791	-0.058	1.451	13.299	4631.884
7114_7115	7114	7115	-487.405	-301.199	0.058	-1.453	-12.823	-2144.23
7115_7115	7115	7115	540.59	303.814	-0.094	0.186	12.609	1713.12
7115_7116	7115	7116	-492.241	-270.916	0.094	-0.186	-11.302	2077.869
7116_7116	7116	7116	492.242	231.798	-0.267	3.815	11.302	-2077.87
7116_7117	7116	7117	-456.219	-205.447	0.267	-3.815	-8.309	4357.075
7117_7117	7117	7117	456.219	205.447	-0.303	-3.054	8.309	-4357.07
7117_7118	7117	7118	-420.229	-179.121	0.303	3.054	-4.92	6339.693
7118_7118	7118	7118	420.224	144.149	-0.18	0.234	4.92	-6339.65
7118_7119	7118	7119	-386.69	-117.799	0.18	-0.234	-2.909	7648.438
7119_7119	7119	7119	386.69	117.799	-0.18	0.234	2.909	-7648.44
7119_7120	7119	7120	-353.156	-91.45	0.18	-0.234	-0.898	8662.339
7120_7120	7120	7120	353.163	53.476	-0.061	9.168	0.898	-8662.39
7120_7121	7120	7121	-320.289	-25.173	0.061	-9.168	-0.162	8979.983
7121_7121	7121	7121	320.289	25.173	-0.129	-9.125	0.162	-8979.98
7121_7122	7121	7122	-287.416	3.13	0.129	9.125	1.386	8957.341
7122_7122	7122	7122	287.415	-40.745	-0.15	4.101	-1.386	-8957.34
7122_7123	7122	7123	-259.954	67.092	0.15	-4.101	3.063	8223.031
7123_7123	7123	7123	259.954	-67.092	-0.186	-4.431	-3.063	-8223.03
7123_7124	7123	7124	-232.492	93.44	0.186	4.431	5.147	7193.879
7124_7124	7124	7124	232.492	-130.444	0.001	5.215	-5.147	-7193.88
7124_7125	7124	7125	-208.183	156.791	-0.001	-5.215	5.137	5469.378
7125_7125	7125	7125	208.183	-156.791	-0.072	-5.807	-5.137	-5469.38
7125_7126	7125	7126	-183.874	183.138	0.072	5.807	5.939	3450.07
7126_7126	7126	7126	183.881	-220.072	0.018	-0.205	-5.939	-3450.07
7126_7127	7126	7127	-156.828	251.905	-0.018	0.205	5.695	127.236
7127_7127	7127	7127	160.666	-250.031	-0.046	-0.447	-5.873	-86.252
7127_7128	7127	7128	-143.659	268.966	0.046	0.449	6.253	-2136.17
7128_7128	7128	7128	151.014	-311.698	-0.573	-5.094	-6.417	2136.776

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7128_7129	7128	7129	-134.47	339.001	0.573	5.092	13.157	-6058.75
7129_7129	7129	7129	134.449	-334.376	-1.354	8.769	-18.188	6111.898
7129_7130	7129	7130	-130.044	370.185	1.354	-8.743	36.169	-10855.9
7130_7130	7130	7130	144.095	-405.656	2.083	-6.125	-37.331	10858.06
7130_7131	7130	7131	-147.577	441.066	-2.083	6.057	11.189	-16215.6
7131_7131	7131	7131	163.379	-433.836	2.053	6.493	-9.87	16219.79
7131_7132	7131	7132	-171.789	468.98	-2.053	-6.567	-14.303	-21562.7
7132_7132	7132	7132	-1943.22	216.883	14.252	6.242	-176.674	5745.618
7132_7133	7132	7133	1946.295	-190.3	-14.252	-6.242	29.598	-3659.28
7133_7133	7133	7133	-1953.28	190.297	11.486	0.686	-28.989	3693.286
7133_7134	7133	7134	1955.948	-172.046	-11.486	-0.686	-60.029	-2301.97
7134_7134	7134	7134	-1955.98	172.046	6.046	-6.711	60.029	2301.96
7134_7135	7134	7135	1958.651	-153.772	-6.046	6.711	-106.945	-1050.56
7135_7135	7135	7135	-1958.63	115.356	-3.108	-0.792	106.945	1050.643
7135_7136	7135	7136	1961.993	-96.54	3.108	0.792	-82.113	-219.65
7136_7136	7136	7136	-1962	96.54	-0.451	0.328	82.113	219.65
7136_7137	7136	7137	1965.363	-77.701	0.451	-0.328	-78.504	461.753
7137_7137	7137	7137	-1965.36	77.701	-0.451	0.328	78.504	-461.753
7137_7138	7137	7138	1968.73	-58.861	0.451	-0.328	-74.895	992.437
7138_7138	7138	7138	-1968.73	19.779	-4.535	0.221	74.895	-992.492
7138_7139	7138	7139	1970.646	-5.649	4.535	-0.221	-47.685	1059.454
7139_7139	7139	7139	-1970.65	5.649	-1.015	-0.188	47.685	-1059.46
7139_7140	7139	7140	1972.572	8.481	1.015	0.188	-41.597	1041.637
7140_7140	7140	7140	-1972.57	-8.481	-1.015	-0.188	41.597	-1041.64
7140_7141	7140	7141	1974.494	22.61	1.015	0.188	-35.509	939.039
7141_7141	7141	7141	-1974.49	-22.61	-1.015	-0.188	35.509	-939.039
7141_7142	7141	7142	1976.416	36.74	1.015	0.188	-29.421	751.663
7142_7142	7142	7142	-1976.41	-77.827	-4.28	-0.883	29.421	-751.727
7142_7143	7142	7143	1978.108	96.667	4.28	0.883	4.819	44.743
7143_7143	7143	7143	-1978.11	-96.667	-1.64	0.273	-4.819	-44.743
7143_7144	7143	7144	1979.806	115.507	1.64	-0.273	17.937	-812.955
7144_7144	7144	7144	-1979.81	-115.507	-1.64	0.273	-17.937	812.955
7144_7145	7144	7145	1981.501	134.346	1.64	-0.273	31.055	-1821.37
7145_7145	7145	7145	-1981.51	-177.955	0.699	1.614	-31.055	1821.302
7145_7146	7145	7146	1982.971	196.206	-0.699	-1.614	25.641	-3279.33
7146_7146	7146	7146	-1982.97	-196.206	-2.027	-4.038	-25.641	3279.332
7146_7147	7146	7147	1984.435	214.457	2.027	4.038	41.348	-4878.82
7147_7147	7147	7147	-1972.32	-214.46	0.478	3.075	-41.36	4819.691
7147_7148	7147	7148	1973.783	238.931	-0.478	-3.075	36.821	-6981.65
7148_7148	7148	7148	172.05	461.823	-0.271	-8.659	-12.127	23548.33
7148_7149	7148	7149	-150.728	-424.353	0.271	8.628	15.539	-18013.5
7149_7149	7149	7149	138.875	430.479	-0.32	8.209	-17.258	18011.12
7149_7150	7149	7150	-116.833	-395.268	0.32	-8.238	21.276	-12869.5
7150_7150	7150	7150	103.053	358.123	1.751	-0.921	-20.431	12868.06
7150_7151	7150	7151	-84.736	-322.506	-1.751	0.942	-2.812	-8370.45
7151_7151	7151	7151	602.547	320.478	0.54	0.781	-7.286	5538.329
7151_7152	7151	7152	-597.859	-292.34	-0.54	-0.792	0.936	-2035.9
7152_7152	7152	7152	591.161	247.046	-0.24	-2.516	-0.88	2036.495
7152_7153	7152	7153	-572.035	-227.625	0.24	2.521	2.859	-179.684
7153_7153	7153	7153	603.402	231.022	-0.149	1.334	-3.27	14.452
7153_7154	7153	7154	-549.295	-199.649	0.149	-1.334	5.323	2712.425
7154_7154	7154	7154	549.289	157.459	0.074	0.113	-5.323	-2712.41
7154_7155	7154	7155	-509.279	-132.36	-0.074	-0.113	4.511	4132.9

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7155_7155	7155	7155	509.279	132.36	0.074	0.113	-4.511	-4132.9
7155_7156	7155	7156	-469.269	-107.261	-0.074	-0.113	3.699	5277.295
7156_7156	7156	7156	469.271	71.435	0.027	-4.046	-3.699	-5277.3
7156_7157	7156	7157	-434.731	-48.618	-0.027	4.046	3.428	5726.965
7157_7157	7157	7157	434.731	48.618	0.082	4.126	-3.428	-5726.97
7157_7158	7157	7158	-400.191	-25.8	-0.082	-4.126	2.608	5948.461
7158_7158	7158	7158	400.185	-7.249	0.07	-3.76	-2.608	-5948.43
7158_7159	7158	7159	-368.005	30.089	-0.07	3.76	1.911	5620.392
7159_7159	7159	7159	368.005	-30.089	0.125	3.674	-1.911	-5620.39
7159_7160	7159	7160	-335.856	52.906	-0.125	-3.674	0.664	5064.384
7160_7160	7160	7160	335.856	-90.042	0.106	-2.35	-0.664	-5064.37
7160_7161	7160	7161	-303.251	115.141	-0.106	2.35	-0.499	3791.841
7161_7161	7161	7161	303.251	-115.141	0.156	2.104	0.499	-3791.84
7161_7162	7161	7162	-270.646	140.24	-0.156	-2.104	-2.211	2243.215
7162_7162	7162	7162	270.645	-180.64	0.269	-0.241	2.211	-2243.23
7162_7163	7162	7163	-232.087	212.013	-0.269	0.241	-5.914	-627.96
7163_7163	7163	7163	236.051	-209.371	0.217	0.026	5.934	621.127
7163_7164	7163	7164	-213.662	228.834	-0.217	-0.026	-7.727	-2530.99
7164_7164	7164	7164	220.288	-273.645	0.061	-1.906	7.668	2531.734
7164_7165	7164	7165	-195.042	301.726	-0.061	1.915	-8.386	-6046.09
7165_7165	7165	7165	185.483	-295.532	0.208	2.361	10.947	6145.363
7165_7166	7165	7166	-170.75	331.765	-0.208	-2.352	-13.71	-10433
7166_7166	7166	7166	184.874	-377.857	-0.047	-6.402	13.021	10435.12
7166_7167	7166	7167	-182.741	413.643	0.047	6.379	-12.436	-15498.3
7167_7167	7167	7167	194.299	-406.436	-0.094	6.954	13.86	15501.75
7167_7168	7167	7168	-199.785	444.395	0.094	-6.979	-12.683	-20937.5
7168_7168	7168	7168	-1853.22	245.453	-1.627	-3.431	7.869	6026.325
7168_7169	7168	7169	1859.899	-220.648	1.627	3.431	7.59	-3841.1
7169_7169	7169	7169	-1866.2	220.633	0.678	1.496	-6.563	3871.857
7169_7170	7169	7170	1872.049	-201.878	-0.678	-1.496	1.312	-2259.96
7170_7170	7170	7170	-1872.05	201.878	0.678	1.496	-1.312	2259.957
7170_7171	7170	7171	1877.902	-183.124	-0.678	-1.496	-3.939	-793.405
7171_7171	7171	7171	-1877.88	135.794	0.782	0.551	3.939	793.299
7171_7172	7171	7172	1883.653	-116.435	-0.782	-0.551	-10.194	190.547
7172_7172	7172	7172	-1883.65	116.435	-1.804	-0.03	10.194	-190.547
7172_7173	7172	7173	1889.423	-97.075	1.804	0.03	4.237	1019.522
7173_7173	7173	7173	-1889.42	97.075	0.782	-0.411	-4.237	-1019.52
7173_7174	7173	7174	1895.194	-77.716	-0.782	0.411	-2.017	1693.614
7174_7174	7174	7174	-1895.2	33.295	0.872	-0.423	2.017	-1693.69
7174_7175	7174	7175	1899.023	-18.775	-0.872	0.423	-7.252	1833.047
7175_7175	7175	7175	-1899.02	18.775	-2.575	1.273	7.252	-1833.05
7175_7176	7175	7176	1902.847	-4.256	2.575	-1.273	8.199	1885.281
7176_7176	7176	7176	-1902.85	4.256	0.872	-0.439	-8.199	-1885.28
7176_7177	7176	7177	1906.674	10.264	-0.872	0.439	2.965	1850.398
7177_7177	7177	7177	-1906.67	-10.264	0.872	-0.439	-2.965	-1850.4
7177_7178	7177	7178	1910.5	24.783	-0.872	0.439	-2.269	1728.396
7178_7178	7178	7178	-1910.5	-69.747	0.626	-0.432	2.269	-1728.48
7178_7179	7178	7179	1914.842	89.106	-0.626	0.432	-7.277	1073.582
7179_7179	7179	7179	-1914.84	-89.106	-1.96	-0.334	7.277	-1073.58
7179_7180	7179	7180	1919.182	108.466	1.96	0.334	8.401	263.801
7180_7180	7180	7180	-1919.18	-108.466	0.626	0.646	-8.401	-263.802
7180_7181	7180	7181	1923.523	127.825	-0.626	-0.646	3.394	-700.849
7181_7181	7181	7181	-1923.51	-174.757	0.892	2.006	-3.394	700.756

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7181_7182	7181	7182	1927.672	193.511	-0.892	-2.006	-3.517	-2146.64
7182_7182	7182	7182	-1927.67	-193.511	0.892	2.006	3.517	2146.644
7182_7183	7182	7183	1931.837	212.266	-0.892	-2.006	-10.428	-3737.88
7183_7183	7183	7183	-1919.54	-212.261	-1.531	-3.74	10.144	3677.882
7183_7184	7183	7184	1924.332	237.067	1.531	3.74	4.399	-5833.83
7184_7184	7184	7184	165.767	455.41	0.35	7.356	-15.789	20661.16
7184_7185	7184	7185	-138.06	-417.742	-0.35	-7.382	11.392	-15191.9
7185_7185	7185	7185	126.312	425.08	0.398	-6.787	-9.876	15189.23
7185_7186	7185	7186	-98.989	-389.642	-0.398	6.764	4.881	-10099.9
7186_7186	7186	7186	85.061	349.358	-0.836	-0.613	-5.441	10098.45
7186_7187	7186	7187	-64.096	-313.418	0.836	0.614	16.541	-5698.74
7187_7187	7187	7187	565.903	312.933	0.163	0.762	-3.299	2953.043
7187_7188	7187	7188	-563.048	-283.581	-0.163	-0.746	1.387	475.693
7188_7188	7188	7188	556.463	235.247	0.061	-3.43	-1.323	-474.711
7188_7189	7188	7189	-540.994	-214.947	-0.061	3.429	0.817	2247.815
7189_7189	7189	7189	559.108	218.672	0.112	2.851	-0.776	-2244.24
7189_7190	7189	7190	-515.126	-184.415	-0.112	-2.851	-0.767	4828.161
7190_7190	7190	7190	515.127	140.736	-0.093	0.196	0.767	-4828.16
7190_7191	7190	7191	-481.881	-113.33	0.093	-0.196	0.256	6083.203
7191_7191	7191	7191	481.881	113.33	-0.093	0.196	-0.256	-6083.2
7191_7192	7191	7192	-448.634	-85.925	0.093	-0.196	1.28	7036.786
7192_7192	7192	7192	448.635	46.904	-0.02	0.071	-1.28	-7036.77
7192_7193	7192	7193	-420.438	-22.04	0.02	-0.071	1.478	7259.182
7193_7193	7193	7193	420.438	22.04	-0.02	0.022	-1.478	-7259.18
7193_7194	7193	7194	-392.213	2.849	0.02	-0.022	1.68	7233.297
7194_7194	7194	7194	392.213	-38.24	0.088	4.154	-1.68	-7233.32
7194_7195	7194	7195	-366.032	63.128	-0.088	-4.154	0.799	6613.07
7195_7195	7195	7195	366.032	-63.128	0.031	-4.329	-0.799	-6613.07
7195_7196	7195	7196	-339.852	88.017	-0.031	4.329	0.487	5744.181
7196_7196	7196	7196	339.848	-127.434	0.142	-0.219	-0.487	-5744.16
7196_7197	7196	7197	-313.48	154.84	-0.142	0.219	-1.08	4075.741
7197_7197	7197	7197	313.48	-154.84	0.142	-0.219	1.08	-4075.74
7197_7198	7197	7198	-287.113	182.245	-0.142	0.219	-2.647	2105.858
7198_7198	7198	7198	287.119	-223.726	-0.04	-0.614	2.647	-2105.87
7198_7199	7198	7199	-255.554	257.957	0.04	0.614	-2.101	-1343.39
7199_7199	7199	7199	258.623	-254.939	-0.096	0.431	2.065	1270.352
7199_7200	7199	7200	-239.408	276.145	0.096	-0.431	-1.274	-3555.25
7200_7200	7200	7200	247.197	-321.155	-0.433	2.57	1.356	3556.212
7200_7201	7200	7201	-225.595	351.745	0.433	-2.561	3.734	-7635.71
7201_7201	7201	7201	223.406	-344.302	-0.045	-4.502	-0.841	7708.659
7201_7202	7201	7202	-215.122	384.892	0.045	4.508	1.441	-12646.4
7202_7202	7202	7202	230.77	-429.03	-0.702	7.692	-0.47	12649.42
7202_7203	7202	7203	-231.73	468.913	0.702	-7.724	9.275	-18360.1
7203_7203	7203	7203	244.799	-460.627	-0.655	-8.192	-10.98	18364.66
7203_7204	7203	7204	-251.566	502.683	0.655	8.156	19.225	-24493
7204_7204	7204	7204	-2025.01	276.925	-6.843	2.283	168.373	7651.554
7204_7205	7204	7205	2029.891	-249.061	6.843	-2.283	-103.363	-5175.1
7205_7205	7205	7205	-2032.03	249.053	-9.644	-3.584	105.07	4936.689
7205_7206	7205	7206	2036.314	-227.804	9.644	3.584	-30.331	-3107.7
7206_7206	7206	7206	-2036.32	227.804	-6.677	1.285	30.331	3107.704
7206_7207	7206	7207	2040.6	-206.554	6.677	-1.285	21.415	-1443.42
7207_7207	7207	7207	-2040.63	155.419	-1.276	0.171	-21.415	1443.416
7207_7208	7207	7208	2044.725	-133.484	1.276	-0.171	31.624	-305.955

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7208_7208	7208	7208	-2044.73	133.484	-1.276	0.171	-31.624	305.955
7208_7209	7208	7209	2048.82	-111.549	1.276	-0.171	41.833	656.024
7209_7209	7209	7209	-2048.82	111.549	-4.15	-0.063	-41.833	-656.022
7209_7210	7209	7210	2052.912	-89.614	4.15	0.063	75.035	1442.523
7210_7210	7210	7210	-2052.93	38.787	0.311	-0.211	-75.035	-1442.5
7210_7211	7210	7211	2055.554	-22.336	-0.311	0.211	73.169	1614.015
7211_7211	7211	7211	-2055.55	22.336	0.311	-0.211	-73.169	-1614.02
7211_7212	7211	7212	2058.176	-5.885	-0.311	0.211	71.304	1686.818
7212_7212	7212	7212	-2058.17	5.885	-3.521	0.956	-71.304	-1686.82
7212_7213	7212	7213	2060.796	10.567	3.521	-0.956	92.431	1660.908
7213_7213	7213	7213	-2060.8	-10.567	0.311	-0.098	-92.431	-1660.91
7213_7214	7213	7214	2063.419	27.018	-0.311	0.098	90.565	1536.295
7214_7214	7214	7214	-2063.44	-78.899	2.474	0.664	-90.565	-1536.28
7214_7215	7214	7215	2066.232	100.835	-2.474	-0.664	70.773	804.328
7215_7215	7215	7215	-2066.23	-100.835	2.474	0.664	-70.773	-804.328
7215_7216	7215	7216	2069.026	122.77	-2.474	-0.664	50.981	-103.11
7216_7216	7216	7216	-2069.03	-122.77	-0.4	-0.932	-50.981	103.111
7216_7217	7216	7217	2071.822	144.705	0.4	0.932	54.181	-1186.04
7217_7217	7217	7217	-2071.86	-196.327	6.697	-18.879	-54.181	1185.847
7217_7218	7217	7218	2074.33	217.577	-6.697	18.879	2.279	-2801.44
7218_7218	7218	7218	-2074.33	-217.577	6.697	-18.879	-2.279	2801.441
7218_7219	7218	7219	2076.799	238.827	-6.697	18.879	-49.623	-4581.72
7219_7219	7219	7219	-2068.74	-238.826	28.242	39.679	49.69	4796.974
7219_7220	7219	7220	2071.595	266.69	-28.242	-39.679	-317.987	-7212.05
7220_7220	7220	7220	211.757	501.801	1.476	-33.684	-21.208	23930.54
7220_7221	7220	7221	-189.083	-460.064	-1.476	33.671	2.649	-17895.1
7221_7221	7221	7221	176.09	468.05	1.33	33.554	-9.72	17891.59
7221_7222	7221	7222	-153.996	-428.497	-1.33	-33.566	-6.974	-12278.9
7222_7222	7222	7222	138.833	389.586	-1.784	-2.79	10.181	12278.05
7222_7223	7222	7223	-121.348	-349.295	1.784	2.718	13.513	-7371.59
7223_7223	7223	7223	616.385	349.141	0.76	2.818	-10.417	4599.157
7223_7224	7223	7224	-615.559	-317	-0.76	-2.802	1.492	-757.583
7224_7224	7224	7224	608.173	267.765	0.695	10.989	-1.545	758.639
7224_7225	7224	7225	-592.204	-245.507	-0.695	-10.993	-4.19	1271.041
7225_7225	7225	7225	566.511	249.816	0.497	-7.95	4.45	-1077.36
7225_7226	7225	7226	-522.093	-207.96	-0.497	7.95	-11.893	4309.848
7226_7226	7226	7226	522.11	158.846	0.503	15.523	11.893	-4310.04
7226_7227	7226	7227	-489.059	-126.359	-0.503	-15.523	-17.735	5822.141
7227_7227	7227	7227	489.059	126.359	0.309	-15.015	17.735	-5822.14
7227_7228	7227	7228	-456.032	-93.896	-0.309	15.015	-21.328	6956.128
7228_7228	7228	7228	456.027	46.122	0.289	20.085	21.328	-6955.98
7228_7229	7228	7229	-425.092	-13.655	-0.289	-20.085	-24.684	7166.787
7229_7229	7229	7229	425.088	13.655	0.05	-20.418	24.684	-7166.78
7229_7230	7229	7230	-394.147	18.817	-0.05	20.418	-25.259	7000.578
7230_7230	7230	7230	394.02	-69.924	1.58	14.385	25.259	-6999.84
7230_7231	7230	7231	-365.35	103.801	-1.58	-14.385	-44.405	5820.247
7231_7231	7231	7231	365.368	-103.801	1.354	-15.668	44.405	-5820.26
7231_7232	7231	7232	-336.668	137.714	-1.354	15.668	-60.819	4228.382
7232_7232	7232	7232	336.759	-184.441	0	10.87	60.819	-4228.04
7232_7233	7232	7233	-328.719	193.011	0	-10.87	-60.819	3613.942
7233_7233	7233	7233	336.968	-190.429	-0.324	2.913	65.627	-3645.2
7233_7234	7233	7234	-320.067	207.47	0.324	-2.924	-63.697	2384.24
7234_7234	7234	7234	323.426	-202.797	-0.4	-2.825	63.621	-2383.59

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7234_7235	7234	7235	-298.115	226.973	0.4	2.782	-60.268	463.732
7235_7235	7235	7235	301.656	-222.534	-0.489	-5.613	60.148	-462.974
7235_7236	7235	7236	-285.122	239.032	0.489	5.567	-57.38	-928.279
7236_7236	7236	7236	288.083	-290.702	0.095	-6.068	57.262	928.042
7236_7237	7236	7237	-273.685	327.922	-0.095	6.277	-58.267	-4345.5
7237_7237	7237	7237	221.388	-322.708	-0.661	5.016	129.527	4703.941
7237_7238	7237	7238	-220.192	357.497	0.661	-4.714	-123.208	-8012.26
7238_7238	7238	7238	230.756	-379.892	3.966	-23.454	120.67	8013.25
7238_7239	7238	7239	-233.735	415.362	-3.966	23.115	-158.107	-11829
7239_7239	7239	7239	233.474	-415.411	3.847	15.501	162.016	11829.21
7239_7240	7239	7240	-237.953	456.253	-3.847	-15.84	-202.323	-16459
7240_7240	7240	7240	-1819.45	307.507	-61.413	-5.379	1198.243	4392.225
7240_7241	7240	7241	1825.805	-280.764	61.413	5.379	-723.459	-2145.42
7241_7241	7241	7241	-1823.02	280.755	-54.373	4.416	726.668	2131.107
7241_7242	7241	7242	1830.284	-251.596	54.373	-4.416	-261.476	115.047
7242_7242	7242	7242	-1830.38	251.596	-49.981	5.992	261.476	-115.072
7242_7243	7242	7243	1837.348	-223.629	49.981	-5.992	148.657	2035.031
7243_7243	7243	7243	-1838.67	166.117	-16.214	3.411	-148.657	-2035.29
7243_7244	7243	7244	1843.171	-131.578	16.214	-3.411	312.971	3523.545
7244_7244	7244	7244	-1843.2	131.578	-11.19	-2.488	-312.971	-3523.55
7244_7245	7244	7245	1847.419	-99.221	11.19	2.488	419.21	4600.232
7245_7245	7245	7245	-1847.03	54.427	-12.869	5.204	-419.21	-4599.34
7245_7246	7245	7246	1851.011	-19.185	12.869	-5.204	552.282	4961.747
7246_7246	7246	7246	-1851.04	19.185	-7.492	-4.403	-552.282	-4961.75
7246_7247	7246	7247	1854.613	12.437	7.492	4.403	621.796	4976.756
7247_7247	7247	7247	-1854.67	-64.027	-2.383	7.061	-621.796	-4976
7247_7248	7247	7248	1857.302	96.031	2.383	-7.061	644.17	4211.959
7248_7248	7248	7248	-1857.29	-96.031	6.235	-4.784	-644.17	-4211.97
7248_7249	7248	7249	1860.164	130.925	-6.235	4.784	580.341	3036.511
7249_7249	7249	7249	-1860.51	-177.811	24.794	0.58	-580.341	-3036.1
7249_7250	7249	7250	1862.684	211.856	-24.794	-0.58	332.665	1078.975
7250_7250	7250	7250	-1862.61	-211.856	30.453	1.5	-332.665	-1078.98
7250_7251	7250	7251	1864.712	244.677	-30.453	-1.5	39.403	-1129.73
7251_7251	7251	7251	-1863.64	-294.178	-11.268	-48.822	-39.403	1128.584
7251_7252	7251	7252	1863.218	320.596	11.268	48.822	126.747	-3511.45
7252_7252	7252	7252	-1859.78	-320.594	-2.316	-27.496	-127.285	3494.885
7252_7253	7252	7253	1859.271	353.439	2.316	27.496	149.277	-6695.1
7253_7253	7253	7253	191.64	458.844	-46.08	97.662	22.652	18373
7253_7254	7253	7254	-176.898	-430.539	46.08	-97.896	314.107	-15127.8
7254_7254	7254	7254	160.453	373.772	28.088	-14.037	-299.879	15120.99
7254_7255	7254	7255	-139.539	-330.218	-28.088	14.202	-27.168	-11017.6
7255_7255	7255	7255	131.652	336.281	28.096	18.852	24.144	11014.98
7255_7256	7255	7256	-115.086	-299.864	-28.096	-18.731	-306.984	-7809.69
7256_7256	7256	7256	106.845	264.273	-12.372	-12.725	308.765	7807.703
7256_7257	7256	7257	-97.787	-230.977	12.372	12.719	-192.453	-5459.13
7257_7257	7257	7257	39.545	236.27	-12.384	1.527	192.472	5744.483
7257_7258	7257	7258	-36.32	-214.926	12.384	-1.53	-103.961	-4107.71
7258_7258	7258	7258	33.396	217.362	-12.381	8.571	103.766	4107.225
7258_7259	7258	7259	-34.088	-202.192	12.381	-8.572	-40.63	-3015.84
7259_7259	7259	7259	531.557	150.129	1.282	12.922	-2.722	547.189
7259_7260	7259	7260	-565.877	-126.213	-1.282	-12.913	-7.223	669.343
7260_7260	7260	7260	589.122	130.151	1.194	-1.776	6.349	-938.834
7260_7261	7260	7261	-621.834	-103.927	-1.194	1.776	-16.711	2110.68

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7261_7261	7261	7261	621.834	103.927	1.131	-9.123	16.711	-2110.68
7261_7262	7261	7262	-652.195	-79.587	-1.131	9.123	-25.823	2994.619
7262_7262	7262	7262	652.201	13.996	0.476	9.496	25.823	-2994.65
7262_7263	7262	7263	-700.275	20.995	-0.476	-9.496	-31.332	3182.201
7263_7263	7263	7263	700.274	-20.995	0.358	-8.627	31.332	-3182.19
7263_7264	7263	7264	-747.901	55.66	-0.358	8.627	-35.435	2968.388
7264_7264	7264	7264	747.931	-109.456	0.824	14.478	35.435	-2968.48
7264_7265	7264	7265	-798.181	144.843	-0.824	-14.478	-45.091	1716.44
7265_7265	7265	7265	798.176	-144.843	0.623	-15.378	45.091	-1716.42
7265_7266	7265	7266	-846.848	179.119	-0.623	15.378	-52.157	108.54
7266_7266	7266	7266	846.947	-236.153	0.506	6.549	52.157	-108.351
7266_7267	7266	7267	-897.966	270.809	-0.506	-6.549	-57.96	-2559.34
7267_7267	7267	7267	897.968	-270.809	0.338	-8.844	57.96	2559.348
7267_7268	7267	7268	-949.459	305.787	-0.338	8.844	-61.877	-5654.81
7268_7268	7268	7268	949.605	-372.915	5.394	1.837	61.877	5655.787
7268_7269	7268	7269	-968.977	384.986	-5.394	-1.837	-83.429	-7078.98
7269_7269	7269	7269	890.684	-379.208	5.072	-4.727	78.038	7726.042
7269_7270	7269	7270	-907.977	411.084	-5.072	4.698	-127.567	-11466.4
7270_7270	7270	7270	916.698	-400.852	4.932	-0.963	127.638	11465.22
7270_7271	7270	7271	-893.584	434.999	-4.932	0.887	-178.2	-15738.1
7271_7271	7271	7271	786.983	-488.524	-13.673	-31.857	157.855	16455
7271_7272	7271	7272	-733.64	535.859	13.673	31.677	10.123	-22826.9
7272_7272	7272	7272	747.786	-525.39	-13.868	28.035	-6.19	22826.36
7272_7273	7272	7273	-682.309	575.619	13.868	-28.26	179.392	-29841.9
7273_7273	7273	7273	696.995	-586.948	23.479	-53.226	-187.331	29848.49
7273_7274	7273	7274	-669.146	610.096	-23.479	53.288	56.412	-33254.9
7274_7274	7274	7274	678.161	-604.479	23.367	3.899	-50.744	33255.51
7274_7275	7274	7275	-641.026	638.78	-23.367	-3.796	-137.341	-38364
7275_7275	7275	7275	-2409.18	468.632	28.295	37.782	605.42	12129.24
7275_7276	7275	7276	2477.451	-448.548	-28.295	-37.782	-761.018	-9899.69
7276_7276	7276	7276	-2942.42	385.71	-64.167	-22.679	928.534	12099.96
7276_7277	7276	7277	2945.92	-370.982	64.167	22.679	-671.978	-10601.4
7277_7277	7277	7277	-2952.14	370.968	-58.742	-8.965	676.137	10889.53
7277_7278	7277	7278	2961.375	-336.104	58.742	8.965	-81.052	-7346.44
7278_7278	7278	7278	-2961.53	336.104	-49.434	14.124	81.052	7346.412
7278_7279	7278	7279	2969.936	-304.368	49.434	-14.124	374.807	-4428.29
7279_7279	7279	7279	-2969.57	226.392	-19.135	-6.409	-374.807	4429.033
7279_7280	7279	7280	2973.207	-186.213	19.135	6.409	598.204	-2035.49
7280_7280	7280	7280	-2973.25	186.213	-5.608	5.472	-598.204	2035.471
7280_7281	7280	7281	2977.053	-144.289	5.608	-5.472	666.523	-38.046
7281_7281	7281	7281	-3027.18	107.524	-1.076	0.072	-678.477	272.185
7281_7282	7281	7282	3036.309	-71.238	1.076	-0.072	691.815	796.389
7282_7282	7282	7282	-3036.3	71.238	7.972	-0.018	-691.815	-796.395
7282_7283	7282	7283	3044.74	-37.675	-7.972	0.018	600.426	1384.427
7283_7283	7283	7283	-3045.26	-62.231	-6.435	-0.854	-600.426	-1384.67
7283_7284	7283	7284	3045.838	93.577	6.435	0.854	669.317	547.47
7284_7284	7284	7284	-3045.84	-93.577	6.576	0.646	-669.317	-547.471
7284_7285	7284	7285	3046.358	122.023	-6.576	-0.646	605.431	-502.732
7285_7285	7285	7285	-3046.69	-183.214	99.3	-10.357	-605.431	502.625
7285_7286	7285	7286	3047.234	207.135	-99.3	10.357	-205.871	-2100.49
7286_7286	7286	7286	-3047.06	-207.135	104.773	-5.1	205.871	2100.503
7286_7287	7286	7287	3047.551	228.645	-104.773	5.1	-975.59	-3704.17
7287_7287	7287	7287	-3039.72	-228.646	111.91	-4.307	976.001	3400.439

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7287_7288	7287	7288	3040.15	254.049	-111.91	4.307	-1872.78	-5337.05
7288_7288	7288	7288	262.328	846.381	-20.682	-25.837	324.741	29982.15
7288_7289	7288	7289	-246.185	-800.299	20.682	25.854	-61.799	-19562.5
7289_7289	7289	7289	233.556	804.675	-20.756	44.368	55.703	19560.9
7289_7290	7289	7290	-217.205	-766.38	20.756	-44.356	173.531	-10932.5
7290_7290	7290	7290	195.394	698.404	5.153	-9.09	-169.209	10932.91
7290_7291	7290	7291	-185.584	-673.515	-5.153	9.103	131.194	-5899.35
7291_7291	7291	7291	171.88	678.239	5.133	0.483	-131.593	5898.419
7291_7292	7291	7292	-161.19	-649.292	-5.133	-0.473	86.877	-147.671
7292_7292	7292	7292	127.75	653.185	5.09	12.306	-85.359	258.299
7292_7293	7292	7293	-122.724	-640.889	-5.09	-12.304	63.617	2487.455
7293_7293	7293	7293	113.831	588.381	-0.895	11.1	-63.451	-2487.89
7293_7294	7293	7294	-109.064	-567.875	0.895	-11.102	69.837	6595.563
7294_7294	7294	7294	106.45	568.755	-0.939	3.231	-69.784	-6595.65
7294_7295	7294	7295	-101.516	-544.081	0.939	-3.231	77.852	11356.36
7295_7295	7295	7295	126.673	544.171	-0.897	-18.723	-78.417	-11498
7295_7296	7295	7296	-122.967	-520.736	0.897	18.723	84.741	15236.23
7296_7296	7296	7296	23.521	449.149	3.321	25.405	-59.296	-14677.3
7296_7297	7296	7297	-28.09	-412.777	-3.321	-25.405	22.814	19437.9
7297_7297	7297	7297	28.1	412.777	3.285	-15.737	-22.814	-19437.9
7297_7298	7297	7298	-32.838	-375.058	-3.285	15.737	-14.611	23952.76
7298_7298	7298	7298	32.779	309.917	0.407	50.694	14.611	-23955.4
7298_7299	7298	7299	-37.833	-272.746	-0.407	-50.694	-19.185	27253.79
7299_7299	7299	7299	37.835	272.746	0.358	-36.115	19.185	-27253.8
7299_7300	7299	7300	-43.51	-231.016	-0.358	36.115	-23.694	30459.5
7300_7300	7300	7300	43.491	162.653	0.01	50.426	23.694	-30462.9
7300_7301	7300	7301	-51.212	-122.313	-0.01	-50.426	-23.82	32239.08
7301_7301	7301	7301	51.213	122.313	-0.034	-44.128	23.82	-32239.1
7301_7302	7301	7302	-58.594	-83.749	0.034	44.128	-23.427	33477.55
7302_7302	7302	7302	58.594	14.208	0.548	56.533	23.427	-33480.8
7302_7303	7302	7303	-69.031	28.106	-0.548	-56.533	-30.436	33444.8
7303_7303	7303	7303	69.034	-28.106	0.498	-58.094	30.436	-33444.8
7303_7304	7303	7304	-78.057	64.687	-0.498	58.094	-35.934	32977.79
7304_7304	7304	7304	78.052	-135.711	0.412	54.79	35.934	-32981.4
7304_7305	7304	7305	-89.333	173.963	-0.412	-54.79	-40.698	31248.66
7305_7305	7305	7305	89.336	-173.963	0.364	-47.87	40.698	-31248.7
7305_7306	7305	7306	-101.314	214.577	-0.364	47.87	-45.163	28925.19
7306_7306	7306	7306	101.283	-289.074	-0.335	47.187	45.163	-28927.9
7306_7307	7306	7307	-114.096	328.421	0.335	-47.187	-41.183	25321.8
7307_7307	7307	7307	114.092	-328.421	-0.389	-46.488	41.183	-25321.8
7307_7308	7307	7308	-126.963	367.947	0.389	46.488	-36.534	21228.47
7308_7308	7308	7308	127.132	-456.661	7.813	28.391	36.534	-21230.3
7308_7309	7308	7309	-140.866	496.39	-7.813	-28.391	-130.296	15579.57
7309_7309	7309	7309	140.911	-496.39	7.755	-31.147	130.296	-15579.6
7309_7310	7309	7310	-154.436	535.512	-7.755	31.147	-221.942	9549.204
7310_7310	7310	7310	153.991	-636.406	-16.592	-1.809	221.942	-9549.37
7310_7311	7310	7311	-175.451	680.689	16.592	1.809	0	847.149
7400_7020	7400	7020	2609.681	-245.795	50.853	0.762	-405.56	-3721.16
7400_7401	7400	7401	-2610.73	249.776	-50.853	-0.762	197.601	2707.856
7401_7401	7401	7401	2607.83	-244.628	18.542	-0.274	-194.046	-2707.95
7401_7402	7401	7402	-2608.74	248.022	-18.542	0.274	129.342	1848.391
7402_7402	7402	7402	2613.968	-185.359	13.427	-0.865	-130.393	-1848.32
7402_7403	7402	7403	-2617.06	195.915	-13.427	0.865	-16.297	-234.317

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7403_7403	7403	7403	2616.626	-119.643	0.126	-0.739	14.01	234.31
7403_7404	7403	7404	-2618.88	126.54	-0.126	0.739	-14.921	-1121.56
7404_7404	7404	7404	2621.117	-65.546	-1.483	-0.391	15.145	1121.56
7404_7405	7404	7405	-2623.53	72.393	1.483	0.391	-4.453	-1618.93
7405_7405	7405	7405	2623.412	14.704	0.313	-0.447	3.499	1618.927
7405_7406	7405	7406	-2628.72	-1.205	-0.313	0.447	-8.005	-1504.33
7406_7406	7406	7406	2628.468	88.814	-1.063	-0.485	7.941	1504.322
7406_7407	7406	7407	-2632.02	-80.632	1.063	0.485	1.48	-753.652
7407_7407	7407	7407	2629.756	135.74	-1.314	-0.384	-1.458	753.652
7407_7408	7407	7408	-2632.21	-130.4	1.314	0.384	8.758	-14.252
7408_7408	7408	7408	2607.865	-428.092	-0.095	-2.213	-9.39	14.26
7408_7409	7408	7409	-2608.56	431.209	0.095	2.213	9.678	-1311.53
7409_7409	7409	7409	2603.94	413.455	-1.665	1.132	-9.433	1312.211
7409_7410	7409	7410	-2603.24	-410.328	1.665	-1.132	14.476	-64.56
7410_7410	7410	7410	2627.462	-149.148	2.051	-0.811	-13.383	64.558
7410_7411	7410	7411	-2625.01	154.487	-2.051	0.811	1.988	-907.982
7411_7411	7411	7411	2627.667	-99.516	1.131	-0.457	-2.14	907.982
7411_7412	7411	7412	-2624.11	107.695	-1.131	0.457	-7.882	-1825.75
7412_7412	7412	7412	2628.684	-19.851	0.126	-0.591	7.971	1825.768
7412_7413	7412	7413	-2623.38	33.354	-0.126	0.591	-9.787	-2209.12
7413_7413	7413	7413	2627.225	53.758	-0.635	0.346	9.671	2209.157
7413_7414	7413	7414	-2624.81	-46.907	0.635	-0.346	-5.087	-1845.96
7414_7414	7414	7414	2623.053	106.826	1.482	-1.28	5.588	1845.962
7414_7415	7414	7415	-2620.8	-99.934	-1.482	1.28	-16.263	-1101.31
7415_7415	7415	7415	2623.074	176.978	-10.538	-1.057	18.239	1101.344
7415_7416	7415	7416	-2619.98	-166.424	10.538	1.057	96.871	774.15
7416_7416	7416	7416	2615.307	228.51	-8.532	1.849	-97.031	-774.129
7416_7417	7416	7417	-2614.4	-225.12	8.532	-1.849	126.769	1564.673
7417_7417	7417	7417	2617.529	231.484	-30.343	-1.118	-127.694	-1564.65
7417_7036	7417	7036	-2616.48	-227.497	30.343	1.118	251.949	2504.401
7420_7056	7420	7056	2194.473	-229.012	35.862	0.897	-202.702	-3857.9
7420_7421	7420	7421	-2195.4	232.546	-35.862	-0.897	55.811	2912.62
7421_7421	7421	7421	2192.128	-227.794	5.672	0.552	-57.021	-2912.59
7421_7422	7421	7422	-2192.93	230.8	-5.672	-0.552	37.241	2112.934
7422_7422	7422	7422	2197.839	-178.14	4.196	-0.008	-37.643	-2112.93
7422_7423	7422	7423	-2200.58	187.488	-4.196	0.008	-8.173	116.817
7423_7423	7423	7423	2200.415	-124.811	0.748	0.021	6.11	-116.821
7423_7424	7423	7424	-2202.41	130.929	-0.748	-0.021	-11.504	-805.732
7424_7424	7424	7424	2204.898	-78.681	-0.943	0.374	11.722	805.729
7424_7425	7424	7425	-2207.04	84.745	0.943	-0.374	-4.923	-1394.79
7425_7425	7425	7425	2207.175	-12.519	-0.174	0.257	4.628	1394.787
7425_7426	7425	7426	-2211.88	24.485	0.174	-0.257	-2.113	-1661.43
7426_7426	7426	7426	2211.703	49.637	1.168	-0.037	2.094	1661.428
7426_7427	7426	7427	-2214.85	-42.394	-1.168	0.037	-12.437	-1254
7427_7427	7427	7427	2213.526	87.58	-0.719	0.76	12.916	1253.997
7427_7428	7427	7428	-2215.71	-82.815	0.719	-0.76	-8.919	-780.353
7428_7428	7428	7428	2190.077	-388.578	-3.49	-0.074	9.917	780.355
7428_7429	7428	7429	-2190.7	391.366	3.49	0.074	0.656	-1961.79
7429_7429	7429	7429	2192.364	394.925	-3.154	0.533	-0.759	1964.056
7429_7430	7429	7430	-2191.74	-392.146	3.154	-0.533	10.284	-775.657
7430_7430	7430	7430	2218.938	-77.851	2.979	-0.744	-8.765	775.657
7430_7431	7430	7431	-2216.75	82.615	-2.979	0.744	-7.796	-1221.7
7431_7431	7431	7431	2217.974	-37.503	-0.168	0.818	7.031	1221.706

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7431_7432	7431	7432	-2214.83	44.745	0.168	-0.818	-5.543	-1585.77
7432_7432	7432	7432	2215.703	29.703	-0.227	0.253	5.891	1585.784
7432_7433	7432	7433	-2211	-17.732	0.227	-0.253	-2.613	-1243.85
7433_7433	7433	7433	2211.704	89.282	1.174	0.28	3.734	1243.866
7433_7434	7433	7434	-2209.56	-83.221	-1.174	-0.28	-12.194	-622.361
7434_7434	7434	7434	2206.972	135.537	0.009	0.327	12.087	622.363
7434_7435	7434	7435	-2204.97	-129.422	-0.009	-0.327	-12.149	332.93
7435_7435	7435	7435	2204.727	192.719	-13.223	0.45	15.329	-332.923
7435_7436	7435	7436	-2201.99	-183.369	13.223	-0.45	129.092	2386.696
7436_7436	7436	7436	2197.001	235.511	-16.413	-0.058	-128.092	-2386.75
7436_7437	7436	7437	-2196.2	-232.508	16.413	0.058	185.289	3202.221
7437_7437	7437	7437	2199.737	237.791	-30.774	-0.905	-191.399	-3202.15
7437_7072	7437	7072	-2198.81	-234.261	30.774	0.905	317.348	4168.134
7440_7094	7440	7094	2490.778	-213.564	25.882	0.324	-118.109	-2533.66
7440_7441	7440	7441	-2491.7	217.065	-25.882	-0.324	12.068	1651.496
7441_7441	7441	7441	2486.572	-211.114	1.976	-0.099	-13.222	-1651.5
7441_7442	7441	7442	-2487.37	214.093	-1.976	0.099	6.326	909.479
7442_7442	7442	7442	2491.826	-153.739	1.345	-0.18	-6.395	-909.479
7442_7443	7442	7443	-2494.54	162.995	-1.345	0.18	-8.283	-819.427
7443_7443	7443	7443	2494.708	-90.444	-0.442	0.183	7.583	819.422
7443_7444	7443	7444	-2496.69	96.5	0.442	-0.183	-4.399	-1493.42
7444_7444	7444	7444	2498.273	-37.32	0.253	-0.338	4.255	1493.415
7444_7445	7444	7445	-2500.39	43.323	-0.253	0.338	-6.076	-1783.95
7445_7445	7445	7445	2500.535	38.28	-0.828	-0.01	7.175	1783.946
7445_7446	7445	7446	-2505.19	-26.416	0.828	0.01	4.77	-1317.36
7446_7446	7446	7446	2503.642	112.779	3.46	-0.1	-4.41	1317.357
7446_7447	7446	7447	-2506.76	-105.61	-3.46	0.1	-26.21	-351.12
7447_7447	7447	7447	2504.128	156.062	-2.05	0.123	26.547	351.094
7447_7448	7447	7448	-2506.3	-151.34	2.05	-0.123	-15.152	503.397
7448_7448	7448	7448	2490.822	-381.374	-3.5	3.518	17.228	-503.393
7448_7449	7448	7449	-2491.44	384.132	3.5	-3.518	-6.644	-654.155
7449_7449	7449	7449	2490.914	381.799	5.227	-3.736	6.693	654.363
7449_7450	7449	7450	-2490.3	-379.04	-5.227	3.736	-22.504	496.248
7450_7450	7450	7450	2508.437	-153.759	-1.861	0.127	21.741	-496.228
7450_7451	7450	7451	-2506.27	158.48	1.861	-0.127	-11.396	-371.752
7451_7451	7451	7451	2508.95	-108.044	-0.98	-0.231	11.452	371.751
7451_7452	7451	7452	-2505.83	115.213	0.98	0.231	-2.776	-1359.52
7452_7452	7452	7452	2510.614	-28.938	0.074	-0.078	1.876	1359.528
7452_7453	7452	7453	-2505.96	40.801	-0.074	0.078	-2.941	-1862.46
7453_7453	7453	7453	2509.621	40.743	0.501	-0.125	2.731	1862.471
7453_7454	7453	7454	-2507.5	-34.74	-0.501	0.125	-6.343	-1590.57
7454_7454	7454	7454	2505.973	94.148	-0.105	0.115	6.211	1590.565
7454_7455	7454	7455	-2503.99	-88.093	0.105	-0.115	-5.453	-933.613
7455_7455	7455	7455	2507.024	161.187	-1.033	0.216	6.53	933.623
7455_7456	7455	7456	-2504.31	-151.924	1.033	-0.216	4.758	776.63
7456_7456	7456	7456	2500.103	210.076	-3.123	-0.338	-4.574	-776.631
7456_7457	7456	7457	-2499.31	-207.106	3.123	0.338	15.442	1502.447
7457_7457	7457	7457	2504.538	214.703	-19.881	-0.252	-14.191	-1502.43
7457_7110	7457	7110	-2503.62	-211.203	19.881	0.252	95.629	2374.725
7460_7132	7460	7132	2187.214	-313.49	-33.737	-0.987	285.219	-4139.28
7460_7461	7460	7461	-2188.13	317.722	33.737	0.987	-119.845	2592.198
7461_7461	7461	7461	2195.432	-215.321	-11.783	-0.118	117.252	-2592.23
7461_7462	7461	7462	-2196.23	218.299	11.783	0.118	-76.151	1835.969

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7462_7462	7462	7462	2200.842	-165.541	-9.812	-0.264	76.619	-1835.95
7462_7463	7462	7463	-2203.56	174.801	9.812	0.264	30.532	-22.385
7463_7463	7463	7463	2233.154	-112.187	0.039	0.042	-26.571	22.358
7463_7464	7463	7464	-2235.13	118.24	-0.039	-0.042	26.287	-852.703
7464_7464	7464	7464	2237.306	-65.227	3.195	-0.55	-26.708	852.69
7464_7465	7464	7465	-2239.43	71.226	-3.195	0.55	3.7	-1344.04
7465_7465	7465	7465	2272.366	-5.855	0.208	-0.108	-1.946	1343.978
7465_7466	7465	7466	-2277.02	17.713	-0.208	0.108	-1.05	-1513.88
7466_7466	7466	7466	2317.287	44.394	-3.145	0.192	3.417	1513.796
7466_7467	7466	7467	-2320.41	-37.22	3.145	-0.192	24.427	-1152.48
7467_7467	7467	7467	2319.152	84.926	-0.971	-0.368	-24.906	1152.472
7467_7468	7467	7468	-2321.32	-80.206	0.971	0.368	30.301	-693.612
7468_7468	7468	7468	2338.392	-444.774	4.757	-5.198	-30.117	693.536
7468_7469	7468	7469	-2339.01	447.531	-4.757	5.198	15.738	-2042.25
7469_7469	7469	7469	2337.207	444.79	-6.131	5.014	-20.872	2038.571
7469_7470	7469	7470	-2336.59	-442.033	6.131	-5.014	39.405	-698.161
7470_7470	7470	7470	2321.277	-82.478	2.854	-0.376	-39.006	698.148
7470_7471	7470	7471	-2319.11	87.197	-2.854	0.376	23.146	-1169.63
7471_7471	7471	7471	2320.428	-38.443	3.303	-0.114	-23.051	1169.634
7471_7472	7471	7472	-2317.31	45.626	-3.303	0.114	-6.223	-1542.2
7472_7472	7472	7472	2280.642	15.539	-0.355	-0.118	3.378	1542.292
7472_7473	7472	7473	-2275.99	-3.69	0.355	0.118	1.735	-1403.76
7473_7473	7473	7473	2247.769	71.781	1.175	-0.565	-2.903	1403.729
7473_7474	7473	7474	-2245.65	-65.773	-1.175	0.565	-5.573	-907.764
7474_7474	7474	7474	2243.513	117.948	-1.974	0.602	5.134	907.766
7474_7475	7474	7475	-2241.53	-111.895	1.974	-0.602	9.093	-79.528
7475_7475	7475	7475	2219.445	174.875	4.3	0.23	-10.254	79.526
7475_7476	7475	7476	-2216.73	-165.615	-4.3	-0.23	-36.7	1779.642
7476_7476	7476	7476	2212.12	218.751	4.736	-0.291	36.599	-1779.64
7476_7477	7476	7477	-2211.33	-215.774	-4.736	0.291	-53.117	2537.491
7477_7477	7477	7477	2215.18	220.288	3.993	0.589	55.942	-2537.46
7477_7148	7477	7148	-2214.26	-216.789	-3.993	-0.589	-72.291	3432.328
7480_7168	7480	7168	2154.105	-239.326	-24.274	-0.457	97.932	-4485.74
7480_7481	7480	7481	-2155.03	242.825	24.274	0.457	1.467	3498.576
7481_7481	7481	7481	2152.248	-238.797	-3.969	-5.845	-1.858	-3498.52
7481_7482	7481	7482	-2153.04	241.774	3.969	5.845	15.702	2660.374
7482_7482	7482	7482	2158.227	-190.055	1.595	1.574	-13.776	-2660.39
7482_7483	7482	7483	-2160.94	199.315	-1.595	-1.574	-3.648	534.321
7483_7483	7483	7483	2200.218	-138.371	-0.653	-0.192	6.759	-534.357
7483_7484	7483	7484	-2202.2	144.424	0.653	0.192	-2.051	-484.706
7484_7484	7484	7484	2204.959	-93.198	-0.565	-0.259	2.039	484.706
7484_7485	7484	7485	-2207.08	99.206	0.565	0.259	2.038	-1178.44
7485_7485	7485	7485	2253.33	-34.253	-0.748	-0.091	2.298	1178.378
7485_7486	7485	7486	-2257.99	46.11	0.748	0.091	8.484	-1757.71
7486_7486	7486	7486	2314.932	14.655	-1.318	0.502	-3.422	1757.616
7486_7487	7486	7487	-2318.05	-7.48	1.318	-0.502	15.095	-1659.62
7487_7487	7487	7487	2317.407	55.143	0.841	-0.717	-15.784	1659.613
7487_7488	7487	7488	-2319.58	-50.424	-0.841	0.717	11.109	-1366.27
7488_7488	7488	7488	2348.873	-478.638	-0.623	3.874	-9.142	1366.309
7488_7489	7488	7489	-2349.49	481.395	0.623	-3.874	11.027	-2817.4
7489_7489	7489	7489	2351.463	481.851	-1.755	-3.639	24.94	2823.202
7489_7490	7489	7490	-2350.85	-479.094	1.755	3.639	-19.634	-1370.76
7490_7490	7490	7490	2321.072	-49.936	-0.437	-0.844	16.377	1370.761

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7490_7491	7490	7491	-2318.9	54.655	0.437	0.844	-13.948	-1661.39
7491_7491	7491	7491	2319.539	-5.918	-2.611	0.418	13.252	1661.398
7491_7492	7491	7492	-2316.42	13.101	2.611	-0.418	9.889	-1745.68
7492_7492	7492	7492	2259.104	46.389	1.378	0.048	-13.33	1745.811
7492_7493	7492	7493	-2254.45	-34.54	-1.378	-0.048	-6.52	-1162.77
7493_7493	7493	7493	2208.009	100.305	-1.179	0.481	2.469	1162.745
7493_7494	7493	7494	-2205.89	-94.297	1.179	-0.481	6.035	-461.093
7494_7494	7494	7494	2203.1	145.55	1.745	-0.004	-5.818	461.096
7494_7495	7494	7495	-2201.12	-139.497	-1.745	0.004	-6.762	566.077
7495_7495	7495	7495	2162.384	200.4	-0.847	0.104	3.928	-566.074
7495_7496	7495	7496	-2159.67	-191.14	0.847	-0.104	5.323	2703.995
7496_7496	7496	7496	2154.464	242.9	-0.424	0.779	-5.465	-2703.99
7496_7497	7496	7497	-2153.67	-239.922	0.424	-0.779	6.944	3546.076
7497_7497	7497	7497	2155.85	243.694	21.219	0.52	-8.764	-3546.07
7497_7184	7497	7184	-2154.93	-240.195	-21.219	-0.52	-78.124	4536.769
7500_7204	7500	7204	2376.679	-247.384	19.008	0.372	-85.041	-4190.83
7500_7501	7500	7501	-2377.77	251.522	-19.008	-0.372	7.209	3169.376
7501_7501	7501	7501	2376.176	-245.949	0.986	0.243	-8.149	-3169.41
7501_7502	7501	7502	-2377.12	249.471	-0.986	-0.243	4.711	2305.356
7502_7502	7502	7502	2382.417	-192.367	0.518	-0.107	-4.84	-2305.36
7502_7503	7502	7503	-2385.63	203.319	-0.518	0.107	-0.815	144.798
7503_7503	7503	7503	2380.741	-134.425	1.25	-0.43	-0.911	-144.805
7503_7504	7503	7504	-2383.08	141.583	-1.25	0.43	-8.1	-849.797
7504_7504	7504	7504	2385.728	-86.148	-1.92	0.526	8.492	849.793
7504_7505	7504	7505	-2388.24	93.254	1.92	-0.526	5.357	-1496.64
7505_7505	7505	7505	2384.207	-15.411	0.85	0.088	-7.42	1496.649
7505_7506	7505	7506	-2389.71	29.435	-0.85	-0.088	-4.83	-1819.94
7506_7506	7506	7506	2385.288	50.907	-0.033	0.668	4.559	1819.919
7506_7507	7506	7507	-2388.98	-42.421	0.033	-0.668	-4.264	-1406.75
7507_7507	7507	7507	2387.599	91.535	2.206	-0.717	3.681	1406.748
7507_7508	7507	7508	-2390.14	-86	-2.206	0.717	-15.944	-913.424
7508_7508	7508	7508	2356.513	-420.429	-3.221	1.613	16.661	913.374
7508_7509	7508	7509	-2357.24	423.662	3.221	-1.613	-6.925	-2189.19
7509_7509	7509	7509	2357.303	424.098	4.089	-1.129	6.817	2188.94
7509_7510	7509	7510	-2356.58	-420.865	-4.089	1.129	-19.177	-911.781
7510_7510	7510	7510	2385.667	-85.094	0.091	-0.443	18.294	911.742
7510_7511	7510	7511	-2383.13	90.629	-0.091	0.443	-18.801	-1400.03
7511_7511	7511	7511	2384.484	-41.607	-2.144	0.473	18.222	1400.039
7511_7512	7511	7512	-2380.8	50.092	2.144	-0.473	0.762	-1806
7512_7512	7512	7512	2380.128	29.83	0.136	0.173	-0.224	1806.004
7512_7513	7512	7513	-2374.62	-15.806	-0.136	-0.173	-1.741	-1477.02
7513_7513	7513	7513	2374.495	93.129	0.439	0.322	2.567	1477.034
7513_7514	7513	7514	-2371.99	-86.023	-0.439	-0.322	-5.735	-831.082
7514_7514	7514	7514	2369.347	141.134	0.344	0.222	5.729	831.082
7514_7515	7514	7515	-2367.01	-133.975	-0.344	-0.222	-8.212	160.281
7515_7515	7515	7515	2367.793	201.734	-4.849	2.941	9.303	-160.251
7515_7516	7515	7516	-2364.59	-190.782	4.849	-2.941	43.649	2303.49
7516_7516	7516	7516	2359.281	247.464	-15.419	-6.631	-40.73	-2303.54
7516_7517	7516	7517	-2358.34	-243.942	15.419	6.631	94.514	3160.575
7517_7517	7517	7517	2359.213	249.849	-59.145	-3.363	-84.23	-3160.83
7517_7220	7517	7220	-2358.12	-245.711	59.145	3.363	326.428	4175.491
7520_7240	7520	7240	2222.12	49.866	113.358	29.32	-1029.12	-7311.98
7520_7521	7520	7521	-2223.43	-47.11	-113.358	-29.32	753.62	7429.827

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7521_7521	7521	7521	2205.144	-353.89	61.325	-0.412	-744.829	-7403.2
7521_7522	7521	7522	-2206.27	358.119	-61.325	0.412	530.963	6161.663
7522_7522	7522	7522	2214.332	-305.197	56.965	-0.352	-534.525	-6161.36
7522_7523	7522	7523	-2218.19	318.353	-56.965	0.352	-87.586	2756.472
7523_7523	7523	7523	2236	-243.317	-2.232	1.981	78.901	-2754.48
7523_7524	7523	7524	-2238.81	251.918	2.232	-1.981	-62.811	969.608
7524_7524	7524	7524	2244.045	-199.921	-6.424	-1.347	62.18	-969.65
7524_7525	7524	7525	-2247.06	208.46	6.424	1.347	-15.846	-503.228
7525_7525	7525	7525	2236.814	-130.516	-2.621	0.119	11.996	502.923
7525_7526	7525	7526	-2243.43	147.359	2.621	-0.119	25.783	-2505.77
7526_7526	7526	7526	2231.96	-70.461	-1.073	-3.69	-27.081	2503.65
7526_7527	7526	7527	-2236.39	80.654	1.073	3.69	36.579	-3172.66
7527_7527	7527	7527	2237.566	-34.644	-6.956	5.464	-32.788	3172.698
7527_7528	7527	7528	-2240.6	41.24	6.956	-5.464	71.444	-3383.56
7528_7528	7528	7528	2168.804	-513.389	3.092	-10.402	-69.547	3381.845
7528_7529	7528	7529	-2169.67	517.246	-3.092	10.402	60.193	-4940.81
7529_7529	7529	7529	2166.677	502.784	-1.926	9.3	-59.963	4936.239
7529_7530	7529	7530	-2165.82	-498.94	1.926	-9.3	65.769	-3425.88
7530_7530	7530	7530	2207.698	32.851	13.465	-7.225	-62.965	3425.599
7530_7531	7530	7531	-2204.67	-26.253	-13.465	7.225	-11.875	-3261.34
7531_7531	7531	7531	2203.678	72.058	6.101	3.585	6.92	3261.36
7531_7532	7531	7532	-2199.25	-61.857	-6.101	-3.585	-60.974	-2668.11
7532_7532	7532	7532	2187.862	131.676	-2.526	-0.018	59.111	2666.844
7532_7533	7532	7533	-2181.25	-114.839	2.526	0.018	-22.708	-890.539
7533_7533	7533	7533	2168.366	183.98	-1.141	1.414	22.656	890.449
7533_7534	7533	7534	-2165.35	-175.439	1.141	-1.414	-14.42	406.14
7534_7534	7534	7534	2160.765	224.936	-5.749	0.187	14.742	-406.131
7534_7535	7534	7535	-2157.95	-216.343	5.749	-0.187	26.67	1995.405
7535_7535	7535	7535	2143.315	278.211	27.471	6.582	-23.581	-1993.89
7535_7536	7535	7536	-2139.46	-265.048	-27.471	-6.582	-276.59	4961.971
7536_7536	7536	7536	2132.628	315.798	21.685	-14.008	280.412	-4961.74
7536_7537	7536	7537	-2131.5	-311.568	-21.685	14.008	-356.037	6055.685
7537_7537	7537	7537	2141.917	313.698	-43.376	-113.43	366.293	-6071.61
7537_7253	7537	7253	-2140.61	-308.735	43.376	113.43	-188.954	7343.985
7540_7275	7540	7275	3374.154	-310.544	-8.283	52.51	-666.284	-4136.26
7540_7541	7540	7541	-3375.56	315.889	8.283	-52.51	700.178	2854.594
7541_7541	7541	7541	3351.637	-319.38	48.83	-6.563	-690.681	-2880.02
7541_7542	7541	7542	-3352.85	323.944	-48.83	6.563	519.959	1755.405
7542_7542	7542	7542	3359.943	-240.778	41.845	2.59	-521.055	-1755.09
7542_7543	7542	7543	-3364.09	254.927	-41.845	-2.59	64.325	-950.152
7543_7543	7543	7543	3383.808	-155.233	6.462	-5.06	-69.905	944.399
7543_7544	7543	7544	-3386.83	164.492	-6.462	5.06	23.311	-2097.14
7544_7544	7544	7544	3389.775	-84.619	-2.985	1.387	-21.342	2097.17
7544_7545	7544	7545	-3393.02	93.8	2.985	-1.387	42.855	-2740.2
7545_7545	7545	7545	3379.092	14.221	0.876	-1.963	-46.154	2735.084
7545_7546	7545	7546	-3386.21	3.903	-0.876	1.963	33.521	-2660.72
7546_7546	7546	7546	3368.763	105.271	12.283	-2.769	-35.337	2657.359
7546_7547	7546	7547	-3373.53	-94.296	-12.283	2.769	-73.462	-1773.49
7547_7547	7547	7547	3370.826	165.187	1.627	1.171	75.908	1773.391
7547_7548	7547	7548	-3374.08	-158.112	-1.627	-1.171	-84.944	-875.561
7548_7548	7548	7548	3331.341	-556.57	-1.188	3.921	85.867	870.276
7548_7549	7548	7549	-3332.27	560.705	1.188	-3.921	-82.276	-2558.91
7549_7549	7549	7549	3353.372	589.777	-5.618	-5.803	82.949	2567.127

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7549_7550	7549	7550	-3352.42	-585.711	5.618	5.803	-66.212	-816.034
7550_7550	7550	7550	3380.652	-154.264	8.895	-2.105	64.551	812.268
7550_7551	7550	7551	-3377.22	161.413	-8.895	2.105	-114.874	-1705.21
7551_7551	7551	7551	3380.084	-82.235	0.822	-0.768	112.972	1705.337
7551_7552	7551	7552	-3375.4	92.607	-0.822	0.768	-119.901	-2441.93
7552_7552	7552	7552	3365.821	37.551	-0.232	-1.444	117.567	2441.24
7552_7553	7552	7553	-3358.69	-19.92	0.232	1.444	-114.303	-2036.66
7553_7553	7553	7553	3343.859	145.505	4.748	0.939	113.393	2036.854
7553_7554	7553	7554	-3340.63	-136.553	-4.748	-0.939	-146.843	-1043.36
7554_7554	7554	7554	3336.116	220.928	0.167	-1.307	146.333	1043.436
7554_7555	7554	7555	-3333.12	-211.905	-0.167	1.307	-147.507	479.912
7555_7555	7555	7555	3331.054	325.55	-33.231	2.201	153.495	-476.651
7555_7556	7555	7556	-3327.02	-311.739	33.231	-2.201	200.479	3870.795
7556_7556	7556	7556	3316.98	404.666	-34.669	6.073	-199.884	-3870.82
7556_7557	7556	7557	-3315.81	-400.186	34.669	-6.073	318.75	5250.562
7557_7557	7557	7557	3439.99	96.054	-328.982	-36.655	-305.685	-5250.61
7557_7288	7557	7288	-3438.13	-90.729	328.982	36.655	1679.712	5640.666
8000_8000	8000	8000	7.387	10.559	-0.08	0.027	0	-8.693
8000_8001	8000	8001	-18.309	4.643	0.08	-0.027	0.75	48.085
8001_8001	8001	8001	18.309	-4.643	-0.08	0.053	-0.75	-48.085
8001_8002	8001	8002	-28.927	19.422	0.08	-0.053	1.48	-50.698
8002_8002	8002	8002	28.929	20.187	0.084	0.001	-1.48	50.621
8002_8003	8002	8003	-26.405	-0.63	-0.084	-0.001	0.466	72.965
8003_8003	8003	8003	26.402	0.63	0.084	0.067	-0.466	-72.966
8003_8004	8003	8004	-23.879	18.912	-0.084	-0.067	-0.547	-39.919
8004_8004	8004	8004	23.878	20.155	-0.021	0.02	0.547	40.107
8004_8005	8004	8005	-23.34	-0.594	0.021	-0.02	-0.294	85.049
8005_8005	8005	8005	23.339	0.594	-0.021	0.028	0.294	-85.049
8005_8006	8005	8006	-22.801	18.951	0.021	-0.028	-0.041	-26.369
8006_8006	8006	8006	22.804	19.779	0.008	0.006	0.041	26.285
8006_8007	8006	8007	-22.428	-0.217	-0.008	-0.006	-0.141	94.425
8007_8007	8007	8007	22.428	0.217	0.008	0.015	0.141	-94.425
8007_8008	8007	8008	-22.053	19.328	-0.008	-0.015	-0.241	-21.435
8008_8008	8008	8008	22.054	19.43	-0.003	-0.002	0.241	21.436
8008_8009	8008	8009	-22.047	0.119	0.003	0.002	-0.206	95.296
8009_8009	8009	8009	22.047	-0.119	-0.003	-0.002	0.206	-95.296
8009_8010	8009	8010	-22.04	19.668	0.003	0.002	-0.17	-24.434
8010_8010	8010	8010	22.029	19.224	0.001	-0.017	0.17	24.642
8010_8011	8010	8011	-22.485	0.341	-0.001	0.017	-0.183	89.99
8011_8011	8011	8011	22.485	-0.341	0.001	-0.008	0.183	-89.99
8011_8012	8011	8012	-22.94	19.89	-0.001	0.008	-0.196	-32.03
8012_8012	8012	8012	22.936	18.701	0.009	-0.021	0.196	32.029
8012_8013	8012	8013	-22.085	0.852	-0.009	0.021	-0.299	74.777
8013_8013	8013	8013	22.085	-0.852	0.009	-0.021	0.299	-74.777
8013_8014	8013	8014	-21.234	20.405	-0.009	0.021	-0.402	-54.978
8014_8014	8014	8014	21.237	18.426	-0.009	-0.028	0.402	54.916
8014_8015	8014	8015	-38.718	6.941	0.009	0.028	-0.255	53.494
8015_8015	8015	8015	38.655	-6.943	-0.009	-0.02	0.257	-53.396
8015_8016	8015	8016	-47.841	20.278	0.009	0.02	-0.179	-49.301
8016_8016	8016	8016	17.518	19.733	-0.018	-0.021	0.351	99.22
8016_8017	8016	8017	-21.819	-1.019	0.018	0.021	-0.135	27.241
8017_8017	8017	8017	21.818	1.019	-0.018	-0.028	0.135	-27.241
8017_8018	8017	8018	-26.667	20.085	0.018	0.028	0.107	-93.922

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8018_8018	8018	8018	26.671	19.403	0.082	-0.018	-0.107	94.04
8018_8019	8018	8019	-25.448	0.514	-0.082	0.018	-0.921	22.866
8019_8019	8019	8019	25.448	-0.514	0.082	-0.015	0.921	-22.866
8019_8020	8019	8020	-24.226	20.416	-0.082	0.015	-1.947	-109.082
8020_8020	8020	8020	24.193	21.139	-0.057	-0.021	1.947	109.121
8020_8021	8020	8021	-24.017	-6.009	0.057	0.021	-1.409	19.756
8021_8021	8021	8021	24	6.009	-0.057	-0.015	1.408	-19.733
8021_8022	8021	8022	-23.856	6.348	0.057	0.015	-0.968	18.377
8022_8022	8022	8022	23.856	-6.348	-0.057	-0.012	0.968	-18.377
8022_8023	8022	8023	-23.713	18.689	0.057	0.012	-0.527	-78.658
8023_8023	8023	8023	23.715	19.364	-0.088	0	0.527	78.627
8023_8024	8023	8024	-23.291	-6.621	0.088	0	0.18	24.985
8024_8024	8024	8024	23.29	6.621	-0.088	-0.03	-0.18	-24.985
8024_8025	8024	8025	-22.866	6.119	0.088	0.03	0.882	26.67
8025_8025	8025	8025	22.867	-6.119	-0.088	0.002	-0.882	-26.67
8025_8026	8025	8026	-22.443	18.862	0.088	-0.002	1.59	-73.574
8026_8026	8026	8026	22.442	18.97	-0.017	-0.021	-1.59	73.574
8026_8027	8026	8027	-22.522	-9.406	0.017	0.021	1.689	11.671
8027_8027	8027	8027	22.522	9.406	-0.016	-0.038	-1.689	-11.671
8027_8028	8027	8028	-22.603	0.141	0.016	0.038	1.783	39.493
8028_8028	8028	8028	22.603	-0.141	-0.017	0.02	-1.783	-39.493
8028_8029	8028	8029	-22.683	9.705	0.017	-0.02	1.883	9.995
8029_8029	8029	8029	22.683	-9.705	-0.016	0.004	-1.883	-9.995
8029_8030	8029	8030	-22.764	19.267	0.016	-0.004	1.976	-76.906
8030_8030	8030	8030	22.765	18.457	0.052	-0.002	-1.976	76.868
8030_8031	8030	8031	-23.313	-5.722	-0.052	0.002	1.563	20.184
8031_8031	8031	8031	23.313	5.722	0.052	-0.004	-1.563	-20.184
8031_8032	8031	8032	-23.862	7.03	-0.052	0.004	1.15	15.342
8032_8032	8032	8032	23.862	-7.03	0.052	-0.022	-1.15	-15.342
8032_8033	8032	8033	-24.411	19.763	-0.052	0.022	0.731	-91.361
8033_8033	8033	8033	24.409	18.684	0.063	0	-0.731	91.377
8033_8034	8033	8034	-24.597	-6.339	-0.063	0	0.24	5.7
8034_8034	8034	8034	24.597	6.339	0.064	-0.007	-0.24	-5.7
8034_8035	8034	8035	-24.785	6.005	-0.064	0.007	-0.257	7.102
8035_8035	8035	8035	24.785	-6.005	0.064	-0.004	0.257	-7.102
8035_8036	8035	8036	-25.015	21.135	-0.064	0.004	-0.864	-121.662
8036_8036	8036	8036	25.016	20.963	-0.038	-0.003	0.864	121.711
8036_8037	8036	8037	-26.09	-1.047	0.038	0.003	-0.383	16.812
8037_8037	8037	8037	26.09	1.047	-0.039	-0.002	0.383	-16.812
8037_8038	8037	8038	-27.162	18.854	0.039	0.002	0.098	-93.508
8038_8038	8038	8038	27.169	14.691	-0.148	0	-0.098	93.638
8038_8039	8038	8039	-18.73	6.416	0.148	0	2.056	-47.776
8039_8039	8039	8039	56.72	-3.698	0.027	0.013	-0.041	-12.638
8039_8040	8039	8040	-103.668	22.069	-0.027	-0.013	-0.274	-87.899
8040_8040	8040	8040	103.677	18.71	-0.012	-0.002	0.274	88.021
8040_8041	8040	8041	-104.599	-5.82	0.012	0.002	-0.177	14.96
8041_8041	8041	8041	104.598	5.82	-0.012	0.017	0.177	-14.96
8041_8042	8041	8042	-106.305	18.047	0.012	-0.017	0.003	-75.027
8042_8042	8042	8042	106.302	20.114	0.01	0.012	-0.003	75.217
8042_8043	8042	8043	-97.651	-1.533	-0.01	-0.012	-0.113	44.328
8043_8043	8043	8043	97.651	1.533	0.01	0.007	0.113	-44.328
8043_8044	8043	8044	-88.992	17.064	-0.01	-0.007	-0.228	-57.218
8044_8044	8044	8044	89.012	19.409	-0.002	-0.025	0.228	56.894

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8044_8045	8044	8045	-82.352	-0.827	0.002	0.025	-0.202	56.282
8045_8045	8045	8045	82.352	0.827	-0.002	0.036	0.202	-56.282
8045_8046	8045	8046	-75.691	17.755	0.002	-0.036	-0.175	-51.473
8046_8046	8046	8046	75.704	18.965	-0.001	-0.027	0.175	51.243
8046_8047	8046	8047	-69.872	-0.392	0.001	0.027	-0.167	57.353
8047_8047	8047	8047	69.872	0.392	-0.001	0.026	0.167	-57.353
8047_8048	8047	8048	-64.035	18.198	0.001	-0.026	-0.16	-54.971
8048_8048	8048	8048	64.04	18.598	0.008	-0.026	0.16	54.845
8048_8049	8048	8049	-57.571	-0.025	-0.008	0.026	-0.259	48.437
8049_8049	8049	8049	57.572	0.025	0.008	0.016	0.259	-48.436
8049_8050	8049	8050	-51.097	18.565	-0.008	-0.016	-0.358	-69.207
8050_8050	8050	8050	51.103	17.609	-0.015	-0.008	0.358	68.981
8050_8051	8050	8051	-50.684	6.257	0.015	0.008	-0.133	17.232
8051_8051	8051	8051	50.63	-6.257	-0.015	-0.007	0.134	-17.149
8051_8052	8051	8052	-50.405	19.146	0.015	0.007	-0.013	-87.854
8052_8052	8052	8052	50.403	19.571	-0.018	-0.007	0.013	87.928
8052_8053	8052	8053	-28.245	-1.194	0.018	0.007	0.2	7.773
8053_8053	8053	8053	27.775	2.238	-0.044	-0.003	-0.071	-7.808
8053_8054	8053	8054	-30.476	17.823	0.044	0.003	0.649	-92.784
8054_8054	8054	8054	30.47	18.351	0.095	0.007	-0.649	92.928
8054_8055	8054	8055	-31.087	0.592	-0.095	-0.007	-0.54	19.098
8055_8055	8055	8055	31.086	-0.592	0.095	-0.005	0.54	-19.098
8055_8056	8055	8056	-31.702	19.52	-0.095	0.005	-1.728	-105.595
8056_8056	8056	8056	31.708	20.104	-0.086	0.008	1.728	105.566
8056_8057	8056	8057	-31.099	-5.718	0.086	-0.008	-0.913	16.483
8057_8057	8057	8057	31.08	5.718	-0.086	-0.003	0.912	-16.461
8057_8058	8057	8058	-30.583	6.024	0.086	0.003	-0.248	14.798
8058_8058	8058	8058	30.583	-6.024	-0.086	-0.003	0.248	-14.798
8058_8059	8058	8059	-30.085	17.767	0.086	0.003	0.416	-77.898
8059_8059	8059	8059	30.085	18.767	-0.067	0.006	-0.416	77.887
8059_8060	8059	8060	-28.64	-6.649	0.067	-0.006	0.95	22.325
8060_8060	8060	8060	28.64	6.649	-0.067	0.006	-0.95	-22.325
8060_8061	8060	8061	-27.196	5.469	0.067	-0.006	1.484	25.591
8061_8061	8061	8061	27.196	-5.469	-0.067	0.006	-1.484	-25.591
8061_8062	8061	8062	-25.752	17.587	0.067	-0.006	2.018	-68.09
8062_8062	8062	8062	25.754	18.303	0.001	0.034	-2.018	67.845
8062_8063	8062	8063	-25.17	-9.222	-0.001	-0.034	2.012	14.002
8063_8063	8063	8063	25.17	9.222	0.001	0.034	-2.012	-14.002
8063_8064	8063	8064	-24.586	-0.141	-0.001	-0.034	2.006	41.404
8064_8064	8064	8064	24.586	0.141	0.001	-0.032	-2.006	-41.405
8064_8065	8064	8065	-24.001	8.954	-0.001	0.032	1.999	14.277
8065_8065	8065	8065	24.002	-8.954	0.001	-0.015	-1.999	-14.277
8065_8066	8065	8066	-23.418	18.035	-0.001	0.015	1.993	-67.296
8066_8066	8066	8066	23.417	18.06	0.088	-0.005	-1.993	67.464
8066_8067	8066	8067	-22.547	-5.931	-0.088	0.005	1.291	27.44
8067_8067	8067	8067	22.547	5.931	0.088	-0.003	-1.291	-27.44
8067_8068	8067	8068	-21.678	6.183	-0.088	0.003	0.589	25.284
8068_8068	8068	8068	21.678	-6.183	0.088	0.021	-0.589	-25.284
8068_8069	8068	8069	-20.809	18.297	-0.088	-0.021	-0.112	-73.765
8069_8069	8069	8069	20.806	17.54	0.062	0.001	0.112	73.822
8069_8070	8069	8070	-21.623	-5.806	-0.062	-0.001	-0.589	17.457
8070_8070	8070	8070	21.623	5.806	0.062	0	0.589	-17.457
8070_8071	8070	8071	-22.442	5.943	-0.062	0	-1.066	17.779

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8071_8071	8071	8071	22.421	-5.943	0.061	0.021	1.069	-17.757
8071_8072	8071	8072	-23.423	20.334	-0.061	-0.021	-1.652	-106.039
8072_8072	8072	8072	23.447	20.304	-0.04	0	1.652	105.979
8072_8073	8072	8073	-22.178	-1.381	0.04	0	-1.149	27.756
8073_8073	8073	8073	22.177	1.381	-0.04	0.017	1.149	-27.756
8073_8074	8073	8074	-20.907	17.558	0.04	-0.017	-0.644	-75.102
8074_8074	8074	8074	20.908	14.584	-0.214	0.009	0.644	75.158
8074_8075	8074	8075	-2.589	5.478	0.214	-0.009	2.196	-34.625
8075_8075	8075	8075	45.709	-2.885	0.024	0.02	0.256	-34.494
8075_8076	8075	8076	-88.262	20.295	-0.024	-0.02	-0.543	-52.727
8076_8076	8076	8076	88.276	17.314	-0.022	0.035	0.543	52.749
8076_8077	8076	8077	-85.123	-5.087	0.022	-0.035	-0.359	36.618
8077_8077	8077	8077	85.048	5.088	-0.022	0.004	0.362	-36.491
8077_8078	8077	8078	-79.76	15.419	0.022	-0.004	-0.053	-40.173
8078_8078	8078	8078	79.755	17.557	0.006	-0.02	0.053	40.241
8078_8079	8078	8079	-75.526	-0.997	-0.006	0.02	-0.124	58.727
8079_8079	8079	8079	75.525	0.997	0.006	0.044	0.124	-58.728
8079_8080	8079	8080	-71.296	15.563	-0.006	-0.044	-0.194	-27.412
8080_8080	8080	8080	71.301	16.702	-0.002	0.009	0.194	27.413
8080_8081	8080	8081	-68.56	-0.147	0.002	-0.009	-0.175	63.644
8081_8081	8081	8081	68.56	0.147	-0.002	0.006	0.175	-63.644
8081_8082	8081	8082	-65.817	16.423	0.002	-0.006	-0.155	-30.475
8082_8082	8082	8082	65.827	17.954	0	0.003	0.155	30.305
8082_8083	8082	8083	-62.838	-0.168	0	-0.003	-0.154	74.922
8083_8083	8083	8083	62.838	0.168	0	0	0.154	-74.922
8083_8084	8083	8084	-59.847	17.634	0	0	-0.153	-33.575
8084_8084	8084	8084	59.844	16.66	-0.004	-0.003	0.153	33.586
8084_8085	8084	8085	-57.653	-0.108	0.004	0.003	-0.108	57.291
8085_8085	8085	8085	57.653	0.108	-0.004	-0.005	0.108	-57.291
8085_8086	8085	8086	-55.46	16.459	0.004	0.005	-0.064	-36.926
8086_8086	8086	8086	55.47	16.204	0.009	-0.01	0.064	36.769
8086_8087	8086	8087	-52.827	0.362	-0.009	0.01	-0.164	48.338
8087_8087	8087	8087	52.827	-0.362	0.009	-0.007	0.164	-48.338
8087_8088	8087	8088	-50.187	16.914	-0.009	0.007	-0.264	-51.641
8088_8088	8088	8088	50.181	14.51	-0.02	-0.011	0.264	51.64
8088_8089	8088	8089	-54.059	5.226	0.02	0.011	-0.002	14.218
8089_8089	8089	8089	54.006	-5.226	-0.02	-0.016	0.002	-14.143
8089_8090	8089	8090	-56.407	17.445	0.02	0.016	0.16	-76.862
8090_8090	8090	8090	56.404	17.901	-0.003	-0.011	-0.16	76.889
8090_8091	8090	8091	-37.161	-0.493	0.003	0.011	0.192	7.512
8091_8091	8091	8091	37.12	1.402	-0.011	-0.01	-0.209	-7.843
8091_8092	8091	8092	-41.75	17.936	0.011	0.01	0.355	-97.027
8092_8092	8092	8092	41.74	17.948	0.037	-0.005	-0.355	96.878
8092_8093	8092	8093	-41.551	0.291	-0.037	0.005	-0.103	13.608
8093_8093	8093	8093	41.551	-0.291	0.037	-0.005	0.103	-13.608
8093_8094	8093	8094	-41.362	18.53	-0.037	0.005	-0.561	-103.875
8094_8094	8094	8094	41.37	19.262	-0.046	-0.004	0.561	103.833
8094_8095	8094	8095	-40.984	-5.404	0.046	0.004	-0.123	12.941
8095_8095	8095	8095	40.917	5.404	-0.046	-0.011	0.12	-12.854
8095_8096	8095	8096	-40.602	5.914	0.046	0.011	0.236	10.593
8096_8096	8096	8096	40.602	-5.914	-0.046	0.002	-0.236	-10.592
8096_8097	8096	8097	-40.287	17.217	0.046	-0.002	0.591	-79.273
8097_8097	8097	8097	40.287	17.974	0.022	-0.006	-0.591	79.267

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8097_8098	8097	8098	-39.339	-6.293	-0.022	0.006	0.416	16.886
8098_8098	8098	8098	39.34	6.293	0.022	0.014	-0.416	-16.886
8098_8099	8098	8099	-38.393	5.373	-0.022	-0.014	0.242	19.599
8099_8099	8099	8099	38.393	-5.373	0.022	-0.009	-0.242	-19.6
8099_8100	8099	8100	-37.446	17.053	-0.022	0.009	0.068	-71.119
8100_8100	8100	8100	37.446	17.549	0	0.001	-0.068	71.141
8100_8101	8100	8101	-37.124	-8.803	0	-0.001	0.071	7.431
8101_8101	8101	8101	37.124	8.803	0	0.001	-0.071	-7.431
8101_8102	8101	8102	-36.801	-0.043	0	-0.001	0.074	33.586
8102_8102	8102	8102	36.801	0.043	0	0.001	-0.074	-33.586
8102_8103	8102	8103	-36.479	8.718	0	-0.001	0.077	7.149
8103_8103	8103	8103	36.479	-8.718	0	-0.006	-0.077	-7.149
8103_8104	8103	8104	-36.156	17.478	0	0.006	0.08	-71.874
8104_8104	8104	8104	36.15	17.225	-0.022	0.012	-0.08	71.71
8104_8105	8104	8105	-35.847	-5.56	0.022	-0.012	0.256	18.788
8105_8105	8105	8105	35.847	5.56	-0.022	-0.008	-0.256	-18.788
8105_8106	8105	8106	-35.543	6.119	0.022	0.008	0.432	15.982
8106_8106	8106	8106	35.543	-6.119	-0.022	-0.008	-0.432	-15.982
8106_8107	8106	8107	-35.239	17.783	0.022	0.008	0.608	-80.115
8107_8107	8107	8107	35.238	17.033	0.038	0.005	-0.608	80.144
8107_8108	8107	8108	-35.627	-5.719	-0.038	-0.005	0.314	8.449
8108_8108	8108	8108	35.627	5.719	0.038	0.005	-0.314	-8.449
8108_8109	8108	8109	-36.016	5.595	-0.038	-0.005	0.02	9.317
8109_8109	8109	8109	36.039	-5.595	0.038	-0.003	-0.021	-9.346
8109_8110	8109	8110	-36.516	19.45	-0.038	0.003	-0.34	-109.063
8110_8110	8110	8110	36.512	19.256	-0.008	0.01	0.34	109.12
8110_8111	8110	8111	-36.604	-1.01	0.008	-0.01	-0.236	17.208
8111_8111	8111	8111	36.605	1.01	-0.008	-0.002	0.236	-17.207
8111_8112	8111	8112	-36.698	17.236	0.008	0.002	-0.133	-84.612
8112_8112	8112	8112	36.698	13.898	-0.109	0.01	0.133	84.64
8112_8113	8112	8113	-21.705	5.428	0.109	-0.01	1.316	-45.251
8113_8113	8113	8113	60.841	-3.168	0.014	0.009	0.166	-17.973
8113_8114	8113	8114	-101.625	20.28	-0.014	-0.009	-0.33	-72.265
8114_8114	8114	8114	101.639	16.795	-0.012	-0.038	0.33	72.281
8114_8115	8114	8115	-102.363	-4.781	0.012	0.038	-0.228	18.225
8115_8115	8115	8115	102.36	4.781	-0.012	0.042	0.228	-18.226
8115_8116	8115	8116	-103.574	15.374	0.012	-0.042	-0.056	-52.587
8116_8116	8116	8116	103.573	17.795	0.006	0.04	0.056	52.606
8116_8117	8116	8117	-96.785	-1.528	-0.006	-0.04	-0.119	47.887
8117_8117	8117	8117	96.786	1.528	0.006	-0.021	0.119	-47.887
8117_8118	8117	8118	-89.992	14.752	-0.006	0.021	-0.182	-33.5
8118_8118	8118	8118	89.995	16.795	-0.005	0.038	0.182	33.501
8118_8119	8118	8119	-85.63	-0.516	0.005	-0.038	-0.124	58.53
8119_8119	8119	8119	85.63	0.516	-0.005	-0.026	0.124	-58.53
8119_8120	8119	8120	-81.269	15.749	0.005	0.026	-0.065	-31.302
8120_8120	8120	8120	81.248	18.009	-0.001	0.036	0.065	31.548
8120_8121	8120	8121	-76.406	-0.521	0.001	-0.036	-0.056	74.24
8121_8121	8121	8121	76.406	0.521	-0.001	-0.035	0.056	-74.24
8121_8122	8121	8122	-71.564	16.967	0.001	0.035	-0.047	-30.025
8122_8122	8122	8122	71.563	16.662	-0.004	0.025	0.047	30.025
8122_8123	8122	8123	-67.806	-0.383	0.004	-0.025	-0.004	60.842
8123_8123	8123	8123	67.805	0.383	-0.004	-0.035	0.004	-60.843
8123_8124	8123	8124	-64.048	15.895	0.004	0.035	0.04	-30.295

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8124_8124	8124	8124	64.048	16.142	0.001	-0.008	-0.04	30.303
8124_8125	8124	8125	-59.766	0.122	-0.001	0.008	0.028	53.874
8125_8125	8125	8125	59.766	-0.122	0.001	-0.009	-0.028	-53.874
8125_8126	8125	8126	-55.48	16.401	-0.001	0.009	0.017	-43.796
8126_8126	8126	8126	55.455	14.398	-0.007	-0.018	-0.017	43.974
8126_8127	8126	8127	-58.054	5.199	0.007	0.018	0.112	20.648
8127_8127	8127	8127	58.055	-5.199	-0.007	0.002	-0.112	-20.647
8127_8128	8127	8128	-59.648	17.211	0.007	-0.002	0.17	-70.136
8128_8128	8128	8128	59.64	17.795	-0.028	-0.003	-0.17	69.967
8128_8129	8128	8129	-39.462	-0.687	0.028	0.003	0.501	13.387
8129_8129	8129	8129	39.439	1.592	-0.072	-0.011	-0.581	-13.575
8129_8130	8129	8130	-44.392	17.706	0.072	0.011	1.541	-88.188
8130_8130	8130	8130	44.389	17.094	0.089	-0.003	-1.541	88.07
8130_8131	8130	8131	-45.069	1.112	-0.089	0.003	0.431	12.934
8131_8131	8131	8131	45.069	-1.112	0.089	-0.003	-0.431	-12.934
8131_8132	8131	8132	-45.749	19.318	-0.089	0.003	-0.679	-113.635
8132_8132	8132	8132	43.857	18.318	-0.011	-0.017	0.679	81.274
8132_8133	8132	8133	-43.046	-4.481	0.011	0.017	-0.579	26.216
8133_8133	8133	8133	43.045	4.481	-0.014	0.02	0.579	-26.215
8133_8134	8133	8134	-42.384	6.806	0.014	-0.02	-0.469	16.549
8134_8134	8134	8134	42.385	-6.806	-0.011	0.001	0.469	-16.549
8134_8135	8134	8135	-41.723	18.094	0.011	-0.001	-0.383	-80.598
8135_8135	8135	8135	41.74	18.309	0.046	-0.009	0.383	80.774
8135_8136	8135	8136	-40.688	-6.657	-0.046	0.009	-0.749	17.965
8136_8136	8136	8136	40.688	6.657	0.046	-0.009	0.749	-17.965
8136_8137	8136	8137	-39.635	4.995	-0.046	0.009	-1.114	23.488
8137_8137	8137	8137	39.636	-4.995	0.043	0.016	1.114	-23.488
8137_8138	8137	8138	-38.584	16.646	-0.043	-0.016	-1.457	-64.203
8138_8138	8138	8138	38.583	17.452	-0.05	-0.02	1.457	64.203
8138_8139	8138	8139	-38.122	-8.713	0.05	0.02	-1.159	13.715
8139_8139	8139	8139	38.121	8.713	-0.046	-0.036	1.159	-13.715
8139_8140	8139	8140	-37.66	0.026	0.046	0.036	-0.884	39.2
8140_8140	8140	8140	37.66	-0.026	-0.05	0.022	0.884	-39.2
8140_8141	8140	8141	-37.198	8.765	0.05	-0.022	-0.586	12.251
8141_8141	8141	8141	37.198	-8.765	-0.05	0.022	0.586	-12.251
8141_8142	8141	8142	-36.737	17.504	0.05	-0.022	-0.289	-67.131
8142_8142	8142	8142	36.736	17.167	-0.036	-0.014	0.289	67.13
8142_8143	8142	8143	-36.349	-5.515	0.036	0.014	-0.004	22.803
8143_8143	8143	8143	36.349	5.515	-0.038	0.009	0.004	-22.803
8143_8144	8143	8144	-35.961	6.137	0.038	-0.009	0.303	19.521
8144_8144	8144	8144	35.961	-6.137	-0.036	-0.009	-0.303	-19.521
8144_8145	8144	8145	-35.574	17.789	0.036	0.009	0.587	-76.975
8145_8145	8145	8145	35.574	16.877	0.004	-0.005	-0.587	76.975
8145_8146	8145	8146	-36.565	-5.589	-0.004	0.005	0.557	11.12
8146_8146	8146	8146	36.566	5.589	0.001	0.002	-0.557	-11.12
8146_8147	8146	8147	-37.556	5.699	-0.001	-0.002	0.55	11.735
8147_8147	8147	8147	37.636	-5.699	0.003	-0.003	-0.551	-11.83
8147_8148	8147	8148	-38.851	19.535	-0.003	0.003	0.525	-106.753
8148_8148	8148	8148	38.849	19.527	0.017	-0.006	-0.525	106.752
8148_8149	8148	8149	-38.122	-1.321	-0.017	0.006	0.313	22.312
8149_8149	8149	8149	38.121	1.321	0.015	0.008	-0.313	-22.312
8149_8150	8149	8150	-37.394	16.885	-0.015	-0.008	0.125	-76.199
8150_8150	8150	8150	37.395	13.104	-0.037	0.012	-0.125	76.199

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8150_8151	8150	8151	-18.376	6.194	0.037	-0.012	0.618	-52.177
8151_8151	8151	8151	66.904	-3.467	0.001	0.002	-0.128	-26.56
8151_8152	8151	8152	-113.283	21.317	-0.001	-0.002	0.113	-66.177
8152_8152	8152	8152	113.282	17.197	0.001	0.031	-0.113	66.177
8152_8153	8152	8153	-114.39	-4.663	-0.001	-0.031	0.105	25.917
8153_8153	8153	8153	114.582	4.664	0.002	-0.003	-0.106	-26.255
8153_8154	8153	8154	-116.438	16.225	-0.002	0.003	0.077	-50.021
8154_8154	8154	8154	116.438	18.369	0.003	-0.025	-0.077	50.021
8154_8155	8154	8155	-108.658	-1.659	-0.003	0.025	0.044	51.759
8155_8155	8155	8155	108.658	1.659	0.002	0.039	-0.044	-51.759
8155_8156	8155	8156	-100.878	15.052	-0.002	-0.039	0.026	-30.282
8156_8156	8156	8156	100.879	16.275	0.002	0.002	-0.026	30.282
8156_8157	8156	8157	-96.197	-1.084	-0.002	-0.002	0.009	51.469
8157_8157	8157	8157	96.197	1.084	0.002	0.002	-0.009	-51.469
8157_8158	8157	8158	-91.516	14.108	-0.002	-0.002	-0.008	-18.699
8158_8158	8158	8158	91.516	15.075	0.002	-0.034	0.008	18.699
8158_8159	8158	8159	-86.79	0.117	-0.002	0.034	-0.027	50.832
8159_8159	8159	8159	86.79	-0.117	0	0.027	0.027	-50.832
8159_8160	8159	8160	-82.064	15.309	0	-0.027	-0.032	-31.555
8160_8160	8160	8160	82.053	16.422	0.002	0.018	0.032	31.736
8160_8161	8160	8161	-76.772	0.288	-0.002	-0.018	-0.05	50.813
8161_8161	8161	8161	76.771	-0.288	0.003	-0.033	0.05	-50.813
8161_8162	8161	8162	-71.49	16.999	-0.003	0.033	-0.083	-50.459
8162_8162	8162	8162	71.49	15.425	0	-0.016	0.083	50.459
8162_8163	8162	8163	-72.918	5.464	0	0.016	-0.076	19.903
8163_8163	8163	8163	73.067	-5.464	-0.002	0.001	0.076	-20.11
8163_8164	8163	8164	-73.926	17.997	0.002	-0.001	-0.063	-75.535
8164_8164	8164	8164	73.925	18.85	0.007	-0.01	0.063	75.534
8164_8165	8164	8165	-51.352	-1	-0.007	0.01	-0.15	12.684
8165_8165	8165	8165	51.378	1.89	-0.018	-0.005	0.249	-12.752
8165_8166	8165	8166	-55.7	18.775	0.018	0.005	-0.007	-94.303
8166_8166	8166	8166	55.695	18.883	-0.001	0.007	0.007	94.163
8166_8167	8166	8167	-56.245	0.613	0.001	-0.007	0.003	20.835
8167_8167	8167	8167	56.244	-0.613	0.001	-0.008	-0.003	-20.836
8167_8168	8167	8168	-56.794	20.109	-0.001	0.008	-0.004	-107.866
8168_8168	8168	8168	56.78	20.658	0.001	0.001	0.004	107.747
8168_8169	8168	8169	-56.508	-5.841	-0.001	-0.001	-0.017	17.976
8169_8169	8169	8169	56.585	5.841	0	0.012	0.019	-18.073
8169_8170	8169	8170	-56.364	6.247	0	-0.012	-0.019	16.381
8170_8170	8170	8170	56.365	-6.247	0.002	-0.006	0.019	-16.381
8170_8171	8170	8171	-56.144	18.334	-0.002	0.006	-0.035	-78.989
8171_8171	8171	8171	56.138	19.353	0.002	-0.004	0.035	78.838
8171_8172	8171	8172	-54.748	-6.876	-0.002	0.004	-0.049	24.697
8172_8172	8172	8172	54.748	6.876	0	0.023	0.049	-24.697
8172_8173	8172	8173	-53.358	5.602	0	-0.023	-0.046	28.412
8173_8173	8173	8173	53.357	-5.602	0.002	-0.008	0.046	-28.412
8173_8174	8173	8174	-51.967	18.079	-0.002	0.008	-0.06	-67.693
8174_8174	8174	8174	51.971	18.805	-0.001	0.028	0.06	67.53
8174_8175	8174	8175	-51.449	-9.447	0.001	-0.028	-0.053	16.636
8175_8175	8175	8175	51.449	9.447	-0.001	0.028	0.053	-16.636
8175_8176	8175	8176	-50.928	-0.089	0.001	-0.028	-0.046	44.653
8176_8176	8176	8176	50.928	0.089	0.002	-0.039	0.046	-44.653
8176_8177	8176	8177	-50.407	9.269	-0.002	0.039	-0.056	16.521

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8177_8177	8177	8177	50.407	-9.269	-0.001	-0.019	0.056	-16.521
8177_8178	8177	8178	-49.885	18.628	0.001	0.019	-0.05	-67.759
8178_8178	8178	8178	49.889	18.431	-0.006	0.016	0.05	67.597
8178_8179	8178	8179	-49.299	-5.954	0.006	-0.016	-0.004	29.089
8179_8179	8179	8179	49.299	5.954	-0.004	-0.014	0.004	-29.09
8179_8180	8179	8180	-48.709	6.523	0.004	0.014	0.024	25.956
8180_8180	8180	8180	48.709	-6.523	-0.004	-0.014	-0.024	-25.956
8180_8181	8180	8181	-48.119	19.001	0.004	0.014	0.052	-76.997
8181_8181	8181	8181	48.116	18.026	0.002	0.006	-0.052	76.85
8181_8182	8181	8182	-48.941	-5.938	-0.002	-0.006	0.036	16.793
8182_8182	8182	8182	48.94	5.938	0.004	-0.008	-0.036	-16.793
8182_8183	8182	8183	-49.765	6.149	-0.004	0.008	0.003	16.757
8183_8183	8183	8183	49.87	-6.149	0.004	-0.002	-0.002	-16.877
8183_8184	8183	8184	-50.881	20.966	-0.004	0.002	-0.033	-110.961
8184_8184	8184	8184	50.871	20.87	-0.014	0.011	0.033	110.851
8184_8185	8184	8185	-49.88	-1.374	0.014	-0.011	0.145	26.822
8185_8185	8185	8185	49.881	1.374	-0.013	-0.006	-0.145	-26.822
8185_8186	8185	8186	-48.89	18.122	0.013	0.006	0.306	-79.206
8186_8186	8186	8186	48.882	14.99	0.02	0.001	-0.306	79.081
8186_8187	8186	8187	-31.5	5.676	-0.02	-0.001	0.038	-37.025
8187_8187	8187	8187	75.889	-3.298	0	0.019	0.007	-35.547
8187_8188	8187	8188	-121.973	22.414	0	-0.019	-0.005	-59.784
8188_8188	8188	8188	121.962	19.017	0	-0.008	0.005	59.618
8188_8189	8188	8189	-117.885	-5.595	0	0.008	-0.002	37.737
8189_8189	8189	8189	119.2	5.584	-0.001	0.022	0	-36.437
8189_8190	8189	8190	-112.389	16.786	0.001	-0.022	0.009	-47.402
8190_8190	8190	8190	112.398	19.326	0.002	0.042	-0.009	47.216
8190_8191	8190	8191	-105.879	-1.43	-0.002	-0.042	-0.011	59.37
8191_8191	8191	8191	105.88	1.43	0.003	-0.027	0.011	-59.369
8191_8192	8191	8192	-99.36	16.466	-0.003	0.027	-0.043	-30.898
8192_8192	8192	8192	99.371	17.2	-0.001	0.002	0.043	30.706
8192_8193	8192	8193	-95.186	-0.996	0.001	-0.002	-0.038	54.967
8193_8193	8193	8193	95.186	0.996	-0.001	0.002	0.038	-54.967
8193_8194	8193	8194	-90.997	15.224	0.001	-0.002	-0.032	-20.906
8194_8194	8194	8194	91.001	15.964	0.002	-0.003	0.032	20.908
8194_8195	8194	8195	-86.723	0.256	-0.002	0.003	-0.049	52.184
8195_8195	8195	8195	86.723	-0.256	0.002	-0.003	0.049	-52.184
8195_8196	8195	8196	-82.446	16.476	-0.002	0.003	-0.065	-36.438
8196_8196	8196	8196	82.463	17.501	-0.001	-0.007	0.065	36.248
8196_8197	8196	8197	-77.405	0.394	0.001	0.007	-0.055	51.464
8197_8197	8197	8197	77.405	-0.394	-0.001	-0.007	0.055	-51.464
8197_8198	8197	8198	-72.348	18.29	0.001	0.007	-0.045	-57.677
8198_8198	8198	8198	72.364	16.543	0.001	-0.016	0.045	57.493
8198_8199	8198	8199	-75.228	5.826	-0.001	0.016	-0.058	19.129
8199_8199	8199	8199	75.335	-5.826	0	0.001	0.059	-19.266
8199_8200	8199	8200	-77.052	19.231	0	-0.001	-0.059	-82.206
8200_8200	8200	8200	77.059	20.315	-0.006	-0.01	0.059	82.378
8200_8201	8200	8201	-52.511	-1.199	0.006	0.01	0.017	13.71
8201_8201	8201	8201	53.404	2.194	-0.041	-0.005	0.154	-15.269
8201_8202	8201	8202	-58.147	20.205	0.041	0.005	0.395	-99.015
8202_8202	8202	8202	58.15	20.329	0.054	0	-0.395	99.168
8202_8203	8202	8203	-58.889	0.801	-0.054	0	-0.275	24.114
8203_8203	8203	8203	58.889	-0.801	0.054	0	0.275	-24.114

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8203_8204	8203	8204	-59.629	21.932	-0.054	0	-0.946	-116.742
8204_8204	8204	8204	59.594	22.393	-0.041	0.006	0.946	116.802
8204_8205	8204	8205	-59.483	-6.334	0.041	-0.006	-0.555	19.594
8205_8205	8205	8205	59.647	6.334	-0.041	-0.004	0.564	-19.777
8205_8206	8205	8206	-59.557	6.768	0.041	0.004	-0.249	18.048
8206_8206	8206	8206	59.557	-6.768	-0.041	-0.004	0.249	-18.048
8206_8207	8206	8207	-59.468	19.869	0.041	0.004	0.065	-85.214
8207_8207	8207	8207	59.466	20.816	-0.027	0.004	-0.065	85.364
8207_8208	8207	8208	-58.375	-7.292	0.027	-0.004	0.28	25.927
8208_8208	8208	8208	58.375	7.292	-0.027	0.004	-0.28	-25.927
8208_8209	8208	8209	-57.283	6.232	0.027	-0.004	0.495	29.029
8209_8209	8209	8209	57.283	-6.232	-0.027	0.004	-0.495	-29.029
8209_8210	8209	8210	-56.192	19.756	0.027	-0.004	0.71	-76.059
8210_8210	8210	8210	56.199	20.393	-0.008	0.032	-0.71	76.251
8210_8211	8210	8211	-55.762	-10.25	0.008	-0.032	0.76	15.151
8211_8211	8211	8211	55.762	10.25	-0.008	0.032	-0.76	-15.151
8211_8212	8211	8212	-55.324	-0.107	0.008	-0.032	0.811	45.696
8212_8212	8212	8212	55.324	0.107	-0.006	-0.038	-0.811	-45.696
8212_8213	8212	8213	-54.887	10.036	0.006	0.038	0.846	15.384
8213_8213	8213	8213	54.887	-10.036	-0.008	-0.019	-0.846	-15.384
8213_8214	8213	8214	-54.45	20.179	0.008	0.019	0.896	-75.785
8214_8214	8214	8214	54.459	20.097	0.016	0	-0.896	75.987
8214_8215	8214	8215	-54.009	-6.573	-0.016	0	0.767	29.909
8215_8215	8215	8215	54.009	6.573	0.016	0	-0.767	-29.909
8215_8216	8215	8216	-53.559	6.951	-0.016	0	0.638	27.611
8216_8216	8216	8216	53.559	-6.951	0.016	0	-0.638	-27.611
8216_8217	8216	8217	-53.109	20.475	-0.016	0	0.508	-82.881
8217_8217	8217	8217	53.108	19.514	0.043	0.006	-0.508	82.868
8217_8218	8217	8218	-53.765	-6.413	-0.043	-0.006	0.179	18.443
8218_8218	8218	8218	53.765	6.413	0.043	0.006	-0.179	-18.443
8218_8219	8218	8219	-54.422	6.689	-0.043	-0.006	-0.151	18.217
8219_8219	8219	8219	54.467	-6.689	0.042	0.007	0.151	-18.262
8219_8220	8219	8220	-55.274	22.748	-0.042	-0.007	-0.554	-120.532
8220_8220	8220	8220	55.293	22.699	0.029	0.005	0.554	120.559
8220_8221	8220	8221	-53.972	-1.579	-0.029	-0.005	-0.914	28.8
8221_8221	8221	8221	53.972	1.579	0.029	0.005	0.914	-28.8
8221_8222	8221	8222	-52.649	19.559	-0.029	-0.005	-1.275	-85.924
8222_8222	8222	8222	52.629	16.747	-0.45	0.007	1.275	85.912
8222_8223	8222	8223	-37.065	5.659	0.45	-0.007	4.685	-30.301
8223_8223	8223	8223	75.525	-3.309	0.013	0.015	-0.232	-31.398
8223_8224	8223	8224	-121.714	24.001	-0.013	-0.015	0.074	-74.628
8224_8224	8224	8224	121.767	20.997	0.019	0.047	-0.074	74.473
8224_8225	8224	8225	-118.266	-6.468	-0.019	-0.047	-0.084	35.27
8225_8225	8225	8225	118.488	6.466	0.02	-0.012	0.084	-35.641
8225_8226	8225	8226	-112.235	19.489	-0.02	0.012	-0.373	-66.512
8226_8226	8226	8226	112.232	21.28	-0.003	0.218	0.373	66.451
8226_8227	8226	8227	-107.285	-1.038	0.003	-0.218	-0.335	56.153
8227_8227	8227	8227	107.285	1.038	-0.001	-0.21	0.335	-56.152
8227_8228	8227	8228	-102.337	19.209	0.001	0.21	-0.327	-53.852
8228_8228	8228	8228	102.331	20.362	0.013	0.028	0.327	54.007
8228_8229	8228	8229	-98.735	-0.109	-0.013	-0.028	-0.476	59.425
8229_8229	8229	8229	98.735	0.109	0.013	-0.036	0.476	-59.425
8229_8230	8229	8230	-95.142	20.127	-0.013	0.036	-0.63	-59.752

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8230_8230	8230	8230	95.141	21.258	0.012	0.279	0.63	59.777
8230_8231	8230	8231	-90.07	0.036	-0.012	-0.279	-0.769	62.577
8231_8231	8231	8231	90.07	-0.036	0.015	-0.301	0.769	-62.579
8231_8232	8231	8232	-85.002	21.322	-0.015	0.301	-0.951	-72.316
8232_8232	8232	8232	85.333	20.885	-0.054	-0.014	0.926	72.063
8232_8233	8232	8233	-85.089	2.808	0.054	0.014	-0.2	48.368
8233_8233	8233	8233	85.091	-2.808	-0.054	0.003	0.2	-48.368
8233_8234	8233	8234	-84.912	20.181	0.054	-0.003	0.334	-65.771
8234_8234	8234	8234	87.786	18.594	0.037	0.032	-0.334	60.997
8234_8235	8234	8235	-65.734	-0.832	-0.037	-0.032	-0.038	10.723
8235_8235	8235	8235	62.318	1.663	-0.011	-0.061	0.88	-5.174
8235_8236	8235	8236	-60.739	15.972	0.011	0.061	-0.78	-63.645
8236_8236	8236	8236	60.804	16.732	0.109	-0.076	0.78	63.549
8236_8237	8236	8237	-66.827	0.415	-0.109	0.076	-1.778	17.75
8237_8237	8237	8237	66.824	-0.415	0.108	0.058	1.778	-17.748
8237_8238	8237	8238	-73.621	19.766	-0.108	-0.058	-2.896	-79.08
8238_8238	8238	8238	73.839	22.916	-0.12	0.012	2.887	78.774
8238_8239	8238	8239	-68.796	6.845	0.12	-0.012	-0.987	43.853
8239_8239	8239	8239	68.795	-6.845	-0.12	-0.02	0.987	-43.853
8239_8240	8239	8240	-66.066	22.948	0.12	0.02	0.041	-86.998
8240_8240	8240	8240	65.981	20.957	-0.102	-0.002	-0.041	87.025
8240_8241	8240	8241	-65.756	-1.684	0.102	0.002	1.089	29.196
8241_8241	8241	8241	65.756	1.684	-0.102	0.009	-1.089	-29.196
8241_8242	8241	8242	-65.552	15.801	0.102	-0.009	2.039	-36.981
8242_8242	8242	8242	65.588	17.624	-0.059	-0.007	-2.039	36.81
8242_8243	8242	8243	-65.108	1.913	0.059	0.007	2.65	44.483
8243_8243	8243	8243	65.109	-1.913	-0.059	0.022	-2.65	-44.483
8243_8244	8243	8244	-64.686	19.117	0.059	-0.022	3.188	-52.713
8244_8244	8244	8244	64.666	19.003	0.102	0.185	-3.188	52.698
8244_8245	8244	8245	-64.026	-1.321	-0.102	-0.185	2.225	42.369
8245_8245	8245	8245	64.026	1.321	0.103	-0.159	-2.225	-42.37
8245_8246	8245	8246	-63.336	17.734	-0.103	0.159	1.181	-42.095
8246_8246	8246	8246	63.329	15.899	-0.227	0.003	-1.181	42.271
8246_8247	8246	8247	-63.202	2.723	0.227	-0.003	3.44	22.899
8247_8247	8247	8247	63.202	-2.723	-0.227	0.008	-3.44	-22.899
8247_8248	8247	8248	-63.079	20.855	0.227	-0.008	5.639	-91.586
8248_8248	8248	8248	63.18	22.482	0.5	0.25	-5.645	91.577
8248_8249	8248	8249	-63.943	-0.002	-0.5	-0.25	-0.352	44.054
8249_8249	8249	8249	63.937	0.002	0.501	-0.23	0.352	-44.052
8249_8250	8249	8250	-64.731	23.395	-0.501	0.23	-6.606	-101.395
8250_8250	8250	8250	64.702	22.003	-0.345	0.016	6.606	101.442
8250_8251	8250	8251	-62.746	-1.203	0.345	-0.016	-2.773	25.026
8251_8251	8251	8251	62.746	1.203	-0.345	-0.003	2.773	-25.026
8251_8252	8251	8252	-60.895	18.486	0.345	0.003	0.854	-68.118
8252_8252	8252	8252	60.889	18.187	0.089	-0.011	-0.854	68.062
8252_8253	8252	8253	-48.016	4.48	-0.089	0.011	-0.223	-0.119
8253_8253	8253	8253	48.019	-4.48	0.089	0.039	0.223	0.119
8253_8254	8253	8254	-37.893	22.311	-0.089	-0.039	-1.075	-139.485
8254_8254	8254	8254	94.918	19.753	-0.02	-0.022	0.556	46.91
8254_8255	8254	8255	-118.052	3.636	0.02	0.022	-0.316	76.919
8255_8255	8255	8255	118.05	-3.636	-0.02	0.047	0.316	-76.919
8255_8256	8255	8256	-142.799	28.656	0.02	-0.047	-0.06	-97.054
8256_8256	8256	8256	142.796	23.372	0.022	0.257	0.06	97.07

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8256_8257	8256	8257	-144.527	-0.327	-0.022	-0.257	-0.321	43.285
8257_8257	8257	8257	144.536	0.327	0.022	-0.249	0.321	-43.28
8257_8258	8257	8258	-146.227	22.202	-0.022	0.249	-0.573	-79.279
8258_8258	8258	8258	146.256	21.276	0.005	0	0.573	79.124
8258_8259	8258	8259	-154.339	1.93	-0.005	0	-0.637	43.926
8259_8259	8259	8259	154.34	-1.93	0.005	-0.016	0.637	-43.926
8259_8260	8259	8260	-162.125	24.277	-0.005	0.016	-0.699	-95.136
8260_8260	8260	8260	162.104	21.542	-0.003	0.376	0.699	95.333
8260_8261	8260	8261	-165.004	-3.61	0.003	-0.376	-0.668	21.996
8261_8261	8261	8261	165.001	3.61	-0.004	-0.28	0.668	-21.987
8261_8262	8261	8262	-169.472	24.037	0.004	0.28	-0.617	-115.927
8262_8262	8262	8262	169.756	24.815	0.002	-0.05	0.639	115.263
8262_8263	8262	8263	-153.302	0.33	-0.002	0.05	-0.659	20.757
8263_8263	8263	8263	153.301	-0.33	0.002	-0.011	0.659	-20.757
8263_8264	8263	8264	-138.943	22.271	-0.002	0.011	-0.677	-121.939
8264_8264	8264	8264	138.905	25.633	0.011	-0.022	0.677	121.989
8264_8265	8264	8265	-124.72	-1.759	-0.011	0.022	-0.806	26.875
8265_8265	8265	8265	124.721	1.759	0.011	-0.015	0.806	-26.875
8265_8266	8265	8266	-109.75	23.436	-0.011	0.015	-0.943	-128.812
8266_8266	8266	8266	109.875	23.363	0.02	-0.035	0.943	128.705
8266_8267	8266	8267	-113.799	-2.654	-0.02	0.035	-1.153	11.239
8267_8267	8267	8267	113.797	2.654	0.02	-0.006	1.153	-11.238
8267_8268	8267	8268	-116.942	13.941	-0.02	0.006	-1.321	-33.248
8268_8268	8268	8268	71.552	21.684	-0.163	0.048	1.652	107.658
8268_8269	8268	8269	-79.872	3.842	0.163	-0.048	0.417	14.669
8269_8269	8269	8269	79.87	-3.842	-0.163	-0.073	-0.417	-14.671
8269_8270	8269	8270	-86.705	24.811	0.163	0.073	2.116	-127.643
8270_8270	8270	8270	86.707	33.161	0.089	0.01	-2.116	127.554
8270_8271	8270	8271	-53.727	-9.682	-0.089	-0.01	1.074	87.615
8271_8271	8271	8271	53.727	9.682	0.089	-0.013	-1.074	-87.615
8271_8272	8271	8272	-19.712	14.532	-0.089	0.013	0	21.932
8372_8372	8372	8372	32.487	10.498	-0.2	-0.018	0.14	-43.386
8372_8373	8372	8373	-32.487	8.025	0.2	0.018	2.337	58.717
8373_8373	8373	8373	60.552	-8.025	-0.202	0.015	-2.055	-95.979
8373_8374	8373	8374	-60.552	25.053	0.202	-0.015	4.359	-92.5
8374_8374	8374	8374	72.639	15.403	0.103	0.001	-3.887	76.49
8374_8375	8374	8375	-72.639	0.286	-0.103	-0.001	2.805	2.877
8375_8375	8375	8375	69.944	-0.286	0.089	0.002	-2.108	0.873
8375_8376	8375	8376	-69.944	14.635	-0.089	-0.002	1.25	-72.523
8376_8376	8376	8376	68.652	18.275	0.168	0.213	-0.851	74.807
8376_8377	8376	8377	-68.652	-1.018	-0.168	-0.213	-1.085	36.606
8377_8377	8377	8377	68.663	1.018	0.115	-0.216	1.452	-36.647
8377_8378	8377	8378	-68.663	17.215	-0.115	0.216	-2.86	-62.178
8378_8378	8378	8378	68.467	16.629	-0.193	0.004	3.351	62.434
8378_8379	8378	8379	-68.467	1.886	0.193	-0.004	-0.964	28.91
8379_8379	8379	8379	68.221	-1.886	-0.196	0.011	1.264	-28.373
8379_8380	8379	8380	-68.221	18.628	0.196	-0.011	0.932	-86.558
8380_8380	8380	8380	66.812	17.672	0.003	0.042	-0.702	87.663
8380_8381	8380	8381	-66.812	-2.134	-0.003	-0.042	0.672	15.319
8381_8381	8381	8381	64.338	2.134	-0.032	-0.014	-0.348	-12.142
8381_8382	8381	8382	-64.338	12.614	0.032	0.014	0.668	-39.576
8382_8382	8382	8382	61.557	16.952	-0.025	0.041	-0.349	43.308
8382_8383	8382	8383	-61.557	-0.279	0.025	-0.041	0.633	52.833

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8383_8383	8383	8383	58.429	0.277	-0.028	0.003	-0.472	-48.729
8383_8384	8383	8384	-58.429	16.936	0.028	-0.003	0.789	-47.227
8384_8384	8384	8384	67.912	17.323	-0.049	-0.001	0.115	30.034
8384_8385	8384	8385	-67.912	-0.799	0.049	0.001	0.436	71.007
8385_8385	8385	8385	57.535	0.799	-0.045	0.06	0.214	-56.461
8385_8386	8385	8386	-57.535	15.736	0.045	-0.06	0.287	-26.884
8386_8386	8386	8386	53.053	17.802	-0.016	0.256	0.145	32.816
8386_8387	8386	8387	-53.053	-1.385	0.016	-0.256	0.03	73.479
8387_8387	8387	8387	54.571	1.385	-0.028	-0.169	0.298	-75.743
8387_8388	8387	8388	-54.571	17.393	0.028	0.169	0.051	-25.692
8388_8388	8388	8388	56.021	17.628	-0.043	0.005	0.427	24.132
8388_8389	8388	8389	-56.021	0.266	0.043	-0.005	0.098	80.695
8389_8389	8389	8389	57.28	-0.266	-0.044	0.047	0.436	-82.543
8389_8390	8389	8390	-57.28	17.578	0.044	-0.047	0.082	-21.695
8390_8390	8390	8390	58.709	17.321	-0.042	0.24	0.466	19.79
8390_8391	8390	8391	-58.709	1.521	0.042	-0.24	0.065	80.668
8391_8391	8391	8391	60.225	-1.521	-0.081	-0.238	0.675	-82.81
8391_8392	8391	8392	-60.225	17.884	0.081	0.238	0.216	-24.339
8392_8392	8392	8392	61.8	17.154	-0.07	-0.012	0.7	21.842
8392_8393	8392	8393	-61.8	-0.284	0.07	0.012	0.101	77.423
8393_8393	8393	8393	63.617	0.284	-0.057	0.026	0.771	-79.899
8393_8394	8393	8394	-63.617	18.038	0.057	-0.026	-0.066	-29.866
8394_8394	8394	8394	65.768	16.541	-0.087	0.239	0.834	26.603
8394_8395	8394	8395	-65.768	1.074	0.087	-0.239	0.206	65.329
8395_8395	8395	8395	68.175	-1.074	-0.121	-0.249	0.697	-68.522
8395_8396	8395	8396	-68.175	18.635	0.121	0.249	0.739	-48.261
8396_8396	8396	8396	67.557	18.687	0.037	-0.039	0.234	49.55
8396_8397	8396	8397	-67.557	-0.925	-0.037	0.039	-0.678	67.99
8397_8397	8397	8397	63.851	0.925	0.038	0.009	1.514	-63.111
8397_8398	8397	8398	-63.851	16.495	-0.038	-0.009	-1.959	-28.41
8398_8398	8398	8398	40.618	18.591	-0.533	0.002	3.857	59.208
8398_8399	8398	8399	-40.618	-3.733	0.533	-0.002	1.486	52.718
8572_8572	8572	8572	17.852	10.585	-0.169	0.006	0	-23.874
8572_8573	8572	8573	-50.381	7.943	0.169	-0.006	2.09	75.996
8573_8573	8573	8573	50.381	-7.943	-0.169	-0.004	-2.09	-75.996
8573_8574	8573	8574	-80.076	24.857	0.169	0.004	3.998	-77.023
8574_8574	8574	8574	80.094	15.876	0.124	0	-3.998	76.989
8574_8575	8574	8575	-73.494	-0.471	-0.124	0	2.721	-0.333
8575_8575	8575	8575	73.494	0.471	0.124	0.002	-2.721	0.332
8575_8576	8575	8576	-67.415	13.717	-0.124	-0.002	1.545	-70.235
8576_8576	8576	8576	67.356	17.732	0.238	0.227	-1.545	69.878
8576_8577	8576	8577	-68.704	-0.408	-0.238	-0.227	-1.217	36.813
8577_8577	8577	8577	68.861	0.408	0.239	-0.186	1.21	-37.012
8577_8578	8577	8578	-70.301	18.075	-0.239	0.186	-4.162	-70.618
8578_8578	8578	8578	70.294	17.528	-0.238	-0.018	4.162	70.686
8578_8579	8578	8579	-68.934	0.584	0.238	0.018	-1.275	30.147
8579_8579	8579	8579	68.934	-0.584	-0.238	-0.002	1.275	-30.147
8579_8580	8579	8580	-67.655	17.607	0.238	0.002	1.439	-75.23
8580_8580	8580	8580	67.73	17.15	0.052	0.066	-1.439	76.073
8580_8581	8580	8581	-65.872	-1.914	-0.052	-0.066	0.911	19.407
8581_8581	8581	8581	65.875	1.914	0.052	-0.036	-0.911	-19.407
8581_8582	8581	8582	-64.05	13.054	-0.052	0.036	0.393	-38.083
8582_8582	8582	8582	64.068	16.759	-0.005	0.018	-0.393	37.954

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8582_8583	8582	8583	-60.643	-0.551	0.005	-0.018	0.444	52.306
8583_8583	8583	8583	60.735	0.55	-0.005	0.041	-0.444	-52.414
8583_8584	8583	8584	-57.033	16.96	0.005	-0.041	0.497	-47.661
8584_8584	8584	8584	73.307	17.282	0.01	0.057	-0.219	21.189
8584_8585	8584	8585	-61.262	-0.51	-0.01	-0.057	0.106	64.751
8585_8585	8585	8585	61.262	0.51	0.01	0.006	-0.106	-64.751
8585_8586	8585	8586	-49.64	15.672	-0.01	-0.006	-0.003	-32.269
8586_8586	8586	8586	49.652	17.528	0.007	0.273	0.003	32.329
8586_8587	8586	8587	-51.88	-1.319	-0.007	-0.273	-0.077	73.725
8587_8587	8587	8587	51.882	1.319	0.007	-0.177	0.077	-73.726
8587_8588	8587	8588	-54.478	17.573	-0.007	0.177	-0.164	-26.437
8588_8588	8588	8588	54.446	17.537	0.002	0.016	0.164	25.538
8588_8589	8588	8589	-55.386	0.18	-0.002	-0.016	-0.187	79.55
8589_8589	8589	8589	55.387	-0.18	0.002	0.036	0.187	-79.55
8589_8590	8589	8590	-56.308	17.546	-0.002	-0.036	-0.21	-23.027
8590_8590	8590	8590	56.308	17.226	0.003	0.243	0.21	23.063
8590_8591	8590	8591	-58.204	1.501	-0.003	-0.243	-0.253	78.63
8591_8591	8591	8591	58.199	-1.501	0.003	-0.242	0.253	-78.632
8591_8592	8591	8592	-59.855	17.858	-0.003	0.242	-0.29	-26.186
8592_8592	8592	8592	59.858	17.212	0.003	0.004	0.29	26.698
8592_8593	8592	8593	-61.291	-0.583	-0.003	-0.004	-0.325	74.846
8593_8593	8593	8593	61.291	0.583	0.003	0.005	0.325	-74.846
8593_8594	8593	8594	-62.88	17.869	-0.003	-0.005	-0.362	-30.905
8594_8594	8594	8594	62.881	16.249	-0.004	0.214	0.362	31.438
8594_8595	8594	8595	-67.184	1.374	0.004	-0.214	-0.315	61.762
8595_8595	8595	8595	67.173	-1.374	-0.004	-0.231	0.315	-61.766
8595_8596	8595	8596	-71.437	18.834	0.004	0.231	-0.268	-52.591
8596_8596	8596	8596	71.409	19.17	0.013	-0.031	0.268	52.291
8596_8597	8596	8597	-65.187	-1.448	-0.013	0.031	-0.428	63.948
8597_8597	8597	8597	65.187	1.448	0.013	-0.013	0.428	-63.947
8597_8598	8597	8598	-59.095	15.904	-0.013	0.013	-0.585	-27.616
8598_8598	8598	8598	59.184	19.517	-0.088	-0.028	0.585	27.49
8598_8599	8598	8599	-19.074	-9.635	0.088	0.028	0	24.536
9000_9000	9000	9000	55.598	391.984	4.224	8.355	0	-375.809
9000_9001	9000	9001	-35.782	-364.248	-4.224	-8.355	-35.059	3422.916
9001_9001	9001	9001	35.794	364.244	4.234	4.218	35.059	-3422.93
9001_9002	9001	9002	-17.059	-334.522	-4.234	-4.218	-72.714	6444.117
9002_9002	9002	9002	17.067	320.721	-3.972	12.179	72.714	-6444.12
9002_9003	9002	9003	6.261	-280.342	3.972	-12.179	-24.716	9968.299
9003_9003	9003	9003	-6.272	280.336	-3.96	-4.001	24.716	-9968.3
9003_9004	9003	9004	24.838	-239.933	3.96	4.001	23.161	13028.26
9004_9004	9004	9004	-24.837	218.377	0.803	15.355	-23.161	-13028.3
9004_9005	9004	9005	39.426	-178.011	-0.803	-15.355	13.466	15355.55
9005_9005	9005	9005	-39.424	178.006	0.815	-9.872	-13.466	-15355.6
9005_9006	9005	9006	49.249	-137.616	-0.815	9.872	3.616	17218.22
9006_9006	9006	9006	-49.248	115.878	0.309	8.489	-3.616	-17218.2
9006_9007	9006	9007	56.737	-75.493	-0.309	-8.489	-0.12	18340.65
9007_9007	9007	9007	-56.737	75.488	0.315	-5.686	0.12	-18340.7
9007_9008	9007	9008	59.452	-35.107	-0.315	5.686	-3.925	18997
9008_9008	9008	9008	-59.452	13.076	-0.145	-1.203	3.925	-18997
9008_9009	9008	9009	60.192	27.326	0.145	1.203	-2.171	18908.17
9009_9009	9009	9009	-60.192	-27.331	-0.146	0.688	2.171	-18908.2
9009_9010	9009	9010	56.159	67.699	0.146	-0.688	-0.409	18353.59

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9010_9010	9010	9010	-56.159	-90.823	0.865	11.656	0.409	-18353.6
9010_9011	9010	9011	50.128	131.216	-0.865	-11.656	-10.863	17040.33
9011_9011	9011	9011	-50.127	-131.221	0.876	-14.62	10.863	-17040.3
9011_9012	9011	9012	39.323	171.606	-0.876	14.62	-21.455	15261.28
9012_9012	9012	9012	-39.323	-193.901	0.574	7.259	21.455	-15261.3
9012_9013	9012	9013	26.238	234.281	-0.574	-7.259	-28.395	12735.62
9013_9013	9013	9013	-26.238	-234.286	0.586	-12.198	28.395	-12735.6
9013_9014	9013	9014	8.385	274.658	-0.586	12.198	-35.474	9744.699
9014_9014	9014	9014	-8.382	-296.147	0.561	1.978	35.474	-9744.7
9014_9015	9014	9015	-18.93	348.095	-0.561	-1.978	-44.19	4864.577
9015_9015	9015	9015	17.542	-346.951	0.392	-5.759	41.287	-4826.92
9015_9016	9015	9016	-37.987	372.916	-0.392	5.768	-44.525	1934.754
9016_9016	9016	9016	62.327	-393.136	-3.363	-4.186	62.974	-2013.81
9016_9017	9016	9017	-91.139	430.395	3.363	4.203	-23.417	-2704.7
9017_9017	9017	9017	103.182	-428.515	-3.347	1.033	23.657	2703.936
9017_9018	9017	9018	-131.173	473.361	3.347	-1.004	20.783	-8540.59
9018_9018	9018	9018	146.168	-493.166	4.28	-13.254	-22.073	8540.793
9018_9019	9018	9019	-165.796	537.453	-4.28	13.183	-31.632	-14858.8
9019_9019	9019	9019	180.332	-534.646	4.292	9.729	34.053	14859.54
9019_9020	9019	9020	-194.426	581.558	-4.292	-9.808	-88.098	-21733.8
9020_9020	9020	9020	-2103.44	181.276	-25.175	-3.215	543.461	3956.03
9020_9021	9020	9021	2123.201	-150.572	25.175	3.215	-304.233	-2458.82
9021_9021	9021	9021	-2118.47	150.479	-20.427	1.967	306.012	2435.525
9021_9022	9021	9022	2132.906	-127.59	20.427	-1.967	-147.93	-1417.65
9022_9022	9022	9022	-2132.89	127.579	-22.528	0.637	147.93	1417.646
9022_9023	9022	9023	2145.147	-104.628	22.528	-0.637	26.888	-566.035
9023_9023	9023	9023	-2145.21	85.616	-4.708	-0.194	-26.888	566.026
9023_9024	9023	9024	2155.364	-61.956	4.708	0.194	64.554	-16.624
9024_9024	9024	9024	-2155.36	61.945	-4.708	-0.194	-64.554	16.624
9024_9025	9024	9025	2163.159	-38.285	4.708	0.194	102.219	352.904
9025_9025	9025	9025	-2163.16	34.893	-2.073	-0.48	-102.219	-352.903
9025_9026	9025	9026	2166.197	-11.237	2.073	0.48	118.8	525.168
9026_9026	9026	9026	-2166.2	-5.36	-4.881	0.003	-118.8	-525.16
9026_9027	9026	9027	2167.307	23.095	4.881	-0.003	148.067	435.371
9027_9027	9027	9027	-2167.31	-23.104	-0.981	-0.523	-148.067	-435.371
9027_9028	9027	9028	2167.098	40.865	0.981	0.523	153.961	244.158
9028_9028	9028	9028	-2167.1	-40.874	-1.364	-0.506	-153.961	-244.158
9028_9029	9028	9029	2165.557	58.606	1.364	0.506	162.141	-47.852
9029_9029	9029	9029	-2165.56	-58.614	-0.981	-0.473	-162.141	47.852
9029_9030	9029	9030	2162.686	76.376	0.981	0.473	168.035	-441.628
9030_9030	9030	9030	-2162.69	-93.223	1.516	-1.5	-168.035	441.625
9030_9031	9030	9031	2157.31	116.869	-1.516	1.5	155.914	-1259.85
9031_9031	9031	9031	-2157.31	-116.881	1.516	-1.5	-155.914	1259.851
9031_9032	9031	9032	2149.578	140.528	-1.516	1.5	143.792	-2257.76
9032_9032	9032	9032	-2149.57	-140.54	4.433	1.651	-143.792	2257.754
9032_9033	9032	9033	2139.472	164.213	-4.433	-1.651	108.311	-3436.75
9033_9033	9033	9033	-2139.43	-182.897	15.713	-5.272	-108.311	3436.782
9033_9034	9033	9034	2127.379	205.825	-15.713	5.272	-13.5	-4895.01
9034_9034	9034	9034	-2127.38	-205.836	15.713	-5.272	13.5	4895.011
9034_9035	9034	9035	2113.108	228.765	-15.713	5.272	-135.311	-6522.17
9035_9035	9035	9035	-2118.61	-228.862	20.698	9.82	133.996	6549.185
9035_9036	9035	9036	2099.127	259.556	-20.698	-9.82	-330.616	-8790.7
9036_9036	9036	9036	174.413	496.635	-3.222	-26.636	47.387	27766.93

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9036_9037	9036	9037	-164.248	-449.729	3.222	26.582	-6.85	-21942.4
9037_9037	9037	9037	151.984	451.926	-3.136	25.32	1.451	21941.71
9037_9038	9037	9038	-137.318	-407.584	3.136	-25.368	37.915	-16671.9
9038_9038	9038	9038	124.902	389.832	2.215	-3.925	-35.329	16671.9
9038_9039	9038	9039	-103.292	-344.978	-2.215	3.963	5.931	-11922.8
9039_9039	9039	9039	534.668	340.516	1.141	4.754	-10.314	9555.763
9039_9040	9039	9040	-520.239	-303.011	-1.141	-4.763	-3.105	-5931.16
9040_9040	9040	9040	513.735	284.122	0.333	0.324	3.294	5932.14
9040_9041	9040	9041	-483.106	-258.221	-0.333	-0.322	-6.039	-3850.51
9041_9041	9041	9041	553.67	259.966	0.381	0.534	4.278	3492.45
9041_9042	9041	9042	-469.595	-216.749	-0.381	-0.534	-10.031	-256.334
9042_9042	9042	9042	469.596	196.039	-0.158	2.417	10.031	256.328
9042_9043	9042	9043	-408.652	-162.075	0.158	-2.417	-8.15	1603.373
9043_9043	9043	9043	408.652	162.08	-0.116	-1.718	8.15	-1603.37
9043_9044	9043	9044	-353.407	-128.147	0.116	1.718	-6.778	3080.925
9044_9044	9044	9044	353.406	103.61	-0.077	3.016	6.778	-3080.92
9044_9045	9044	9045	-305.464	-69.653	0.077	-3.016	-5.868	3894.234
9045_9045	9045	9045	305.464	69.659	-0.029	-2.622	5.868	-3894.23
9045_9046	9045	9046	-263.174	-35.705	0.029	2.622	-5.519	4326.742
9046_9046	9046	9046	263.174	14.322	0.003	2.525	5.519	-4326.74
9046_9047	9046	9047	-224.049	19.627	-0.003	-2.525	-5.558	4114.813
9047_9047	9047	9047	224.048	-19.621	0.051	-2.56	5.558	-4114.81
9047_9048	9047	9048	-190.572	53.567	-0.051	2.56	-6.158	3522.33
9048_9048	9048	9048	190.572	-74.754	0.149	1.231	6.158	-3522.33
9048_9049	9048	9049	-160.325	108.696	-0.149	-1.231	-7.927	2288.33
9049_9049	9049	9049	160.325	-108.69	0.196	-1.671	7.927	-2288.33
9049_9050	9049	9050	-135.724	142.629	-0.196	1.671	-10.258	674.015
9050_9050	9050	9050	135.722	-162.839	-0.177	-0.853	10.258	-674.009
9050_9051	9050	9051	-109.939	206.097	0.177	0.853	-7.577	-2251.19
9051_9051	9051	9051	110.098	-204.947	-0.095	0.946	7.888	2262.486
9051_9052	9051	9052	-100.076	229.183	0.095	-0.94	-7.104	-4110.89
9052_9052	9052	9052	105.756	-247.452	-1.076	-1.25	7.057	4111.527
9052_9053	9052	9053	-95.045	282.375	1.076	1.235	5.589	-7302.33
9053_9053	9053	9053	89.128	-280.973	-2.277	0.464	3.403	7376.992
9053_9054	9053	9054	-90.713	325.312	2.277	-0.435	26.83	-11422.9
9054_9054	9054	9054	101.683	-343.24	2.256	-7.448	-27.585	11424.75
9054_9055	9054	9055	-108.482	386.822	-2.256	7.412	-0.732	-15996.6
9055_9055	9055	9055	119.132	-383.9	2.3	5.937	2.095	15999.52
9055_9056	9055	9056	-129.422	429.781	-2.3	-5.979	-31.048	-21081.7
9056_9056	9056	9056	-1801.78	243.09	-18.997	-5.157	334.804	6216.032
9056_9057	9056	9057	1828.278	-212.724	18.997	5.157	-154.356	-4162.12
9057_9057	9057	9057	-1829.22	212.717	-15.464	3.05	155.606	4131.69
9057_9058	9057	9058	1848.632	-188.396	15.464	-3.05	-35.726	-2658.2
9058_9058	9058	9058	-1848.65	188.396	-12.891	6.972	35.726	2658.189
9058_9059	9058	9059	1865.96	-164.078	12.891	-6.972	64.203	-1364.97
9059_9059	9059	9059	-1865.98	146.274	-4.937	-0.29	-64.203	1364.947
9059_9060	9059	9060	1881.634	-121.2	4.937	0.29	103.661	-362.479
9060_9060	9060	9060	-1881.64	117.813	-2.257	1.094	-103.661	362.477
9060_9061	9060	9061	1892.803	-92.71	2.257	-1.094	121.721	431.324
9061_9061	9061	9061	-1892.8	92.711	-2.257	1.094	-121.721	-431.324
9061_9062	9061	9062	1901.732	-67.607	2.257	-1.094	139.781	1033.197
9062_9062	9062	9062	-1901.73	51.577	0.391	0.517	-139.781	-1033.2
9062_9063	9062	9063	1907.339	-32.737	-0.391	-0.517	137.434	1261.047

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9063_9063	9063	9063	-1907.34	32.737	-3.175	1.105	-137.434	-1261.04
9063_9064	9063	9064	1911.682	-13.926	3.175	-1.105	156.47	1380.683
9064_9064	9064	9064	-1911.68	13.926	3.479	-0.211	-156.47	-1380.69
9064_9065	9064	9065	1914.77	4.881	-3.479	0.211	135.612	1392.564
9065_9065	9065	9065	-1914.77	-4.88	0.391	0.347	-135.612	-1392.56
9065_9066	9065	9066	1916.61	23.72	-0.391	-0.347	133.265	1296.451
9066_9066	9066	9066	-1916.61	-39.686	2.099	0.024	-133.265	-1296.46
9066_9067	9066	9067	1917.631	64.782	-2.099	-0.024	116.477	870.66
9067_9067	9067	9067	-1917.63	-64.782	4.593	0.324	-116.477	-870.662
9067_9068	9067	9068	1916.413	89.876	-4.593	-0.324	79.74	253.104
9068_9068	9068	9068	-1916.41	-89.875	4.593	0.324	-79.74	-253.104
9068_9069	9068	9069	1912.967	114.97	-4.593	-0.324	43.003	-556.245
9069_9069	9069	9069	-1912.93	-132.411	15.255	-3.354	-43.003	556.26
9069_9070	9069	9070	1907.53	156.717	-15.255	3.354	-75.181	-1658.47
9070_9070	9070	9070	-1907.53	-156.716	15.428	-3.111	75.181	1658.469
9070_9071	9070	9071	1900.019	181.053	-15.428	3.111	-194.859	-2942.37
9071_9071	9071	9071	-1898.18	-181.064	18.935	4.478	195.596	2969.771
9071_9072	9071	9072	1886.144	211.436	-18.935	-4.478	-375.479	-4790.39
9072_9072	9072	9072	82.26	464.989	-2.204	-11.685	41.599	19277.38
9072_9073	9072	9073	-47.938	-419.413	2.204	11.64	-13.863	-13874.6
9073_9073	9073	9073	36.432	422.054	-2.113	14.669	11.111	13872.57
9073_9074	9073	9074	2.612	-378.807	2.113	-14.709	15.426	-8991.73
9074_9074	9074	9074	-14.197	363.61	2.429	1.814	-14.175	8990.505
9074_9075	9074	9075	56.581	-319.633	-2.429	-1.77	-18.063	-4588.72
9075_9075	9075	9075	382.973	315.472	1.28	0.788	4.102	2178.078
9075_9076	9075	9076	-363.74	-281.121	-1.28	-0.794	-19.154	1193.012
9076_9076	9076	9076	357.664	264.559	-0.377	2.419	19.147	-1192.44
9076_9077	9076	9077	-331.255	-240.772	0.377	-2.417	-16.035	3152.724
9077_9077	9077	9077	302.953	239.397	-0.391	-0.384	18.385	-3115.05
9077_9078	9077	9078	-259.673	-197.825	0.391	0.384	-13.028	5916.633
9078_9078	9078	9078	259.674	180.204	-0.228	5.602	13.028	-5916.65
9078_9079	9078	9079	-227.694	-146.379	0.228	-5.602	-10.485	7592.893
9079_9079	9079	9079	227.694	146.389	-0.177	-3.557	10.485	-7592.89
9079_9080	9079	9080	-200.135	-112.535	0.177	3.557	-8.509	8911.775
9080_9080	9080	9080	200.135	94.164	-0.103	0.684	8.509	-8911.77
9080_9081	9080	9081	-174.901	-60.314	0.103	-0.684	-7.363	9657.366
9081_9081	9081	9081	174.901	60.324	-0.103	0.684	7.363	-9657.37
9081_9082	9081	9082	-154.117	-26.474	0.103	-0.684	-6.218	10044.11
9082_9082	9082	9082	154.116	6.963	-0.113	4.378	6.218	-10044.1
9082_9083	9082	9083	-134.01	29.433	0.113	-4.378	-4.856	9813.61
9083_9083	9083	9083	134.009	-29.422	-0.071	-4.192	4.856	-9813.61
9083_9084	9083	9084	-119.058	65.787	0.071	4.192	-4.005	9169.011
9084_9084	9084	9084	119.059	-85.372	0.024	3.434	4.005	-9169.02
9084_9085	9084	9085	-107.19	119.214	-0.024	-3.434	-4.277	7967.397
9085_9085	9085	9085	107.19	-119.204	0.073	-4.275	4.277	-7967.4
9085_9086	9085	9086	-99.77	153.045	-0.073	4.275	-5.087	6407.168
9086_9086	9086	9086	99.769	-171.898	-0.057	1.204	5.087	-6407.16
9086_9087	9086	9087	-94.402	205.768	0.057	-1.204	-4.45	4265.54
9087_9087	9087	9087	94.401	-205.758	-0.011	-2.718	4.45	-4265.54
9087_9088	9087	9088	-93.487	239.596	0.011	2.718	-4.327	1767.164
9088_9088	9088	9088	93.485	-257.292	-0.199	-1.721	4.327	-1767.15
9088_9089	9088	9089	-95.901	297.257	0.199	1.721	-1.709	-1888.38
9089_9089	9089	9089	99.855	-296.126	-0.188	-0.364	1.338	1913.656

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9089_9090	9089	9090	-103.915	321.116	0.188	0.37	0.218	-4454.31
9090_9090	9090	9090	111.51	-341.765	-0.414	-6.31	-0.424	4454.802
9090_9091	9090	9091	-121.11	377.645	0.414	6.291	5.288	-8654.61
9091_9091	9091	9091	120.933	-375.263	-1.408	3.498	0.848	8713.11
9091_9092	9091	9092	-135.064	419.238	1.408	-3.47	17.845	-13929.6
9092_9092	9092	9092	148.538	-436.505	1.307	-24.363	-20.266	13931.08
9092_9093	9092	9093	-160.538	479.795	-1.307	24.305	3.855	-19616.5
9093_9093	9093	9093	173.645	-476.145	1.44	23.18	1.02	19619.21
9093_9094	9093	9094	-184.531	521.774	-1.44	-23.246	-19.149	-25822.6
9094_9094	9094	9094	-2071.03	217.054	-13.84	-4.237	205.068	6873.653
9094_9095	9094	9095	2092.421	-186.915	13.84	4.237	-73.626	-5042.65
9095_9095	9095	9095	-2094.46	186.984	-10.298	3.806	72.575	5052.508
9095_9096	9095	9096	2109.038	-162.957	10.298	-3.806	7.293	-3755.23
9096_9096	9096	9096	-2109.04	162.962	-10.405	3.614	-7.293	3755.232
9096_9097	9096	9097	2121.601	-138.966	10.405	-3.614	87.888	-2637.59
9097_9097	9097	9097	-2121.64	121.063	1.905	-1.663	-87.888	2637.547
9097_9098	9097	9098	2132.44	-96.262	-1.905	1.663	72.638	-1812.35
9098_9098	9098	9098	-2132.44	96.267	4.579	1.047	-72.638	1812.345
9098_9099	9098	9099	2141.094	-71.498	-4.579	-1.047	36.027	-1177.82
9099_9099	9099	9099	-2141.09	71.503	4.676	1.121	-36.027	1177.816
9099_9100	9099	9100	2147.628	-46.704	-4.676	-1.121	-1.407	-732.333
9100_9100	9100	9100	-2147.61	31.68	-0.747	-0.642	1.407	732.324
9100_9101	9100	9101	2151.439	-13.081	0.747	0.642	3.078	-614.409
9101_9101	9101	9101	-2151.44	13.085	-0.87	-0.711	-3.078	614.409
9101_9102	9101	9102	2154.061	5.483	0.87	0.711	8.294	-603.262
9102_9102	9102	9102	-2154.06	-5.479	-0.747	-0.641	-8.294	603.262
9102_9103	9102	9103	2155.487	24.078	0.747	0.641	12.779	-698.847
9103_9103	9103	9103	-2155.49	-24.074	2.949	1.681	-12.779	698.846
9103_9104	9103	9104	2155.711	42.672	-2.949	-1.681	-4.923	-901.256
9104_9104	9104	9104	-2155.73	-57.621	-5.808	-2.182	4.923	901.265
9104_9105	9104	9105	2154.607	82.387	5.808	2.182	41.506	-1457.98
9105_9105	9105	9105	-2154.61	-82.382	-2.949	0.636	-41.506	1457.978
9105_9106	9105	9106	2151.36	107.178	2.949	-0.636	65.109	-2205.15
9106_9106	9106	9106	-2151.36	-107.172	-3.032	0.526	-65.109	2205.147
9106_9107	9106	9107	2145.98	131.937	3.032	-0.526	89.348	-3140.92
9107_9107	9107	9107	-2145.95	-149.535	9.243	-3.256	-89.348	3140.959
9107_9108	9107	9108	2138.719	173.555	-9.243	3.256	17.684	-4366.12
9108_9108	9108	9108	-2138.72	-173.55	9.243	-3.256	-17.684	4366.124
9108_9109	9108	9109	2129.483	197.57	-9.243	3.256	-53.981	-5769.49
9109_9109	9109	9109	-2129.34	-197.517	11.54	3.261	54.115	5768.827
9109_9110	9109	9110	2114.794	227.677	-11.54	-3.261	-163.784	-7733.17
9110_9110	9110	9110	146.737	511.292	-1.497	-17.293	17.101	26744.43
9110_9111	9110	9111	-124.015	-465.821	1.497	17.24	1.741	-20733.6
9111_9111	9111	9111	110.987	465.495	-1.387	18.22	-5.378	20731.51
9111_9112	9111	9112	-85.635	-422.361	1.387	-18.267	22.788	-15275.7
9112_9112	9112	9112	72.755	406.215	1.622	-1.754	-21.009	15274.8
9112_9113	9112	9113	-42.313	-362.42	-1.622	1.786	-0.508	-10290.8
9113_9113	9113	9113	428.907	359.788	0.907	4.375	2.252	8159.527
9113_9114	9113	9114	-413.519	-323.853	-0.907	-4.38	-12.919	-4272.2
9114_9114	9114	9114	406.539	307.145	-0.126	1.006	13.037	4272.984
9114_9115	9114	9115	-380.252	-282.25	0.126	-1.006	-11.998	-1966.7
9115_9115	9115	9115	429.222	283.808	-0.112	0.648	11.603	1589.413
9115_9116	9115	9116	-367.691	-244.421	0.112	-0.648	-10.064	1753.226

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9116_9116	9116	9116	367.694	226.111	-0.222	6.902	10.064	-1753.24
9116_9117	9116	9117	-321.512	-194.051	0.222	-6.902	-7.582	3887.976
9117_9117	9117	9117	321.512	194.065	-0.101	-5.848	7.582	-3887.97
9117_9118	9117	9118	-280.11	-161.977	0.101	5.848	-6.448	5686.959
9118_9118	9118	9118	280.11	143.279	-0.438	8.747	6.448	-5686.96
9118_9119	9118	9119	-240.997	-111.22	0.438	-8.747	-1.561	6927.338
9119_9119	9119	9119	240.997	111.234	-0.317	-8.048	1.561	-6927.34
9119_9120	9119	9120	-206.67	-79.147	0.317	8.048	1.98	7831.215
9120_9120	9120	9120	206.669	59.994	-0.025	8.256	-1.98	-7831.23
9120_9121	9120	9121	-172.067	-25.552	0.025	-8.256	2.282	8182.638
9121_9121	9121	9121	172.067	25.568	0.087	-8.226	-2.282	-8182.64
9121_9122	9121	9122	-142.998	8.902	-0.087	8.226	1.236	8144.751
9122_9122	9122	9122	142.999	-28.172	-0.233	11.148	-1.236	-8144.75
9122_9123	9122	9123	-117.725	60.258	0.233	-11.148	3.84	7530.151
9123_9123	9123	9123	117.724	-60.244	-0.053	-11.718	-3.84	-7530.15
9123_9124	9123	9124	-97.272	92.329	0.053	11.718	4.437	6577.892
9124_9124	9124	9124	97.272	-113.624	-0.286	4.449	-4.437	-6577.9
9124_9125	9124	9125	-82.104	145.68	0.286	-4.449	7.633	5053.434
9125_9125	9125	9125	82.103	-145.665	-0.166	-5.452	-7.633	-5053.44
9125_9126	9125	9126	-71.74	177.75	0.166	5.452	9.487	3190.117
9126_9126	9126	9126	71.739	-194.329	0.592	-0.148	-9.487	-3190.11
9126_9127	9126	9127	-62.363	232.789	-0.592	0.148	1.554	275.144
9127_9127	9127	9127	65.964	-231.76	0.658	-0.791	-1.902	-261.413
9127_9128	9127	9128	-63.332	254.927	-0.658	0.797	-3.524	-1767.8
9128_9128	9128	9128	69.407	-270.198	-3.189	-4.69	3.386	1768.54
9128_9129	9128	9129	-69.379	303.587	3.189	4.665	34.104	-5169.44
9129_9129	9129	9129	71.051	-301.14	-4.986	7.23	-38.114	5207.607
9129_9130	9129	9130	-82.567	343.956	4.986	-7.185	104.309	-9472.84
9130_9130	9130	9130	95.157	-377.91	9.36	-5.834	-105.493	9475.097
9130_9131	9130	9131	-119.062	420.094	-9.36	5.741	-11.978	-14385.8
9131_9131	9131	9131	130.464	-416.565	9.417	6.129	13.245	14389.04
9131_9132	9131	9132	-151.316	461.129	-9.417	-6.233	-131.873	-19809.2
9132_9132	9132	9132	-1674.21	209.404	3.463	2.361	-25.785	5272.431
9132_9133	9132	9133	1697.574	-180.019	-3.463	-2.361	-7.109	-3517.95
9133_9133	9133	9133	-1700.4	179.93	1.001	-2.644	7.839	3531.693
9133_9134	9133	9134	1718.12	-157.683	-1.001	2.644	-15.594	-2296.08
9134_9134	9134	9134	-1718.11	157.692	3.41	0.798	15.594	2296.078
9134_9135	9134	9135	1733.537	-135.445	-3.41	-0.798	-42.018	-1223.69
9135_9135	9135	9135	-1733.54	116.447	0.372	-0.919	42.018	1223.685
9135_9136	9135	9136	1746.607	-93.483	-0.372	0.919	-44.991	-438.155
9136_9136	9136	9136	-1746.61	93.492	2.705	0.393	44.991	438.155
9136_9137	9136	9137	1757.228	-70.528	-2.705	-0.393	-66.634	173.449
9137_9137	9137	9137	-1757.23	70.537	2.705	0.393	66.634	-173.449
9137_9138	9137	9138	1765.41	-47.572	-2.705	-0.393	-88.277	611.129
9138_9138	9138	9138	-1765.41	30.881	-4.609	-0.218	88.277	-611.134
9138_9139	9138	9139	1770.414	-13.657	4.609	0.218	-60.622	723.198
9139_9139	9139	9139	-1770.42	13.664	-1.497	-0.006	60.622	-723.199
9139_9140	9139	9140	1774.052	3.559	1.497	0.006	-51.637	737.43
9140_9140	9140	9140	-1774.05	-3.553	-1.497	-0.006	51.637	-737.43
9140_9141	9140	9141	1776.312	20.776	1.497	0.006	-42.652	653.828
9141_9141	9141	9141	-1776.31	-20.769	-4.609	-0.479	42.652	-653.828
9141_9142	9141	9142	1777.195	37.992	4.609	0.479	-14.997	472.393
9142_9142	9142	9142	-1777.2	-57.782	-1.612	-0.118	14.997	-472.388

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9142_9143	9142	9143	1774.482	80.746	1.612	0.118	-2.099	-73.023
9143_9143	9143	9143	-1774.48	-80.737	-3.946	-1.442	2.099	73.023
9143_9144	9143	9144	1769.319	103.701	3.946	1.442	29.468	-792.358
9144_9144	9144	9144	-1769.32	-103.692	-1.612	0.785	-29.468	792.358
9144_9145	9144	9145	1761.723	126.657	1.612	-0.785	42.366	-1685.62
9145_9145	9145	9145	-1761.72	-143.015	2.133	0.817	-42.366	1685.617
9145_9146	9145	9146	1752.064	165.262	-2.133	-0.817	25.832	-2843.79
9146_9146	9146	9146	-1752.06	-165.253	-0.276	-4.081	-25.832	2843.793
9146_9147	9146	9147	1740.117	187.5	0.276	4.081	27.969	-4165.2
9147_9147	9147	9147	-1731.75	-187.569	2.119	2.437	-28.032	4124.389
9147_9148	9147	9148	1714.482	216.952	-2.119	-2.437	7.905	-5979.27
9148_9148	9148	9148	110.947	420.162	0.221	0.238	-20.757	20545.63
9148_9149	9148	9149	-84.648	-375.801	-0.221	-0.278	17.98	-15663.3
9149_9149	9149	9149	74.342	378.782	0.221	0.77	-17.965	15660.82
9149_9150	9149	9150	-44.106	-336.782	-0.221	-0.806	15.196	-11288.7
9150_9150	9150	9150	33.877	325.491	-0.71	0.234	-15.107	11287.18
9150_9151	9150	9151	-0.492	-282.827	0.71	-0.225	24.525	-7358.18
9151_9151	9151	9151	479.535	278.372	0.171	0.654	-13.972	4741.487
9151_9152	9151	9152	-462.062	-244.475	-0.171	-0.63	11.956	-1816.27
9152_9152	9152	9152	456.826	230.31	0.389	-1.765	-11.915	1816.768
9152_9153	9152	9153	-426.493	-206.864	-0.389	1.762	8.704	-157.433
9153_9153	9153	9153	452.825	208.807	0.314	1.137	-8.541	18.125
9153_9154	9153	9154	-386.408	-170.759	-0.314	-1.137	4.229	2310.437
9154_9154	9154	9154	386.412	152.795	-0.071	3.147	-4.229	-2310.46
9154_9155	9154	9155	-337.281	-122.357	0.071	-3.147	5.007	3614.993
9155_9155	9155	9155	337.281	122.377	-0.002	-2.825	-5.007	-3614.99
9155_9156	9155	9156	-293.261	-91.939	0.002	2.825	5.031	4605.23
9156_9156	9156	9156	293.262	73.951	0.076	3.645	-5.031	-4605.24
9156_9157	9156	9157	-255.349	-46.28	-0.076	-3.645	4.274	5043.247
9157_9157	9157	9157	255.349	46.298	0.151	-3.57	-4.274	-5043.25
9157_9158	9157	9158	-221.66	-18.627	-0.151	3.57	2.763	5221.509
9158_9158	9158	9158	221.66	1.248	0.01	3.14	-2.763	-5221.51
9158_9159	9158	9159	-189.787	26.423	-0.01	-3.14	2.662	4956.37
9159_9159	9159	9159	189.787	-26.404	0.085	-3.306	-2.662	-4956.37
9159_9160	9159	9160	-162.137	54.075	-0.085	3.306	1.808	4431.482
9160_9160	9160	9160	162.135	-71.685	0.182	-0.198	-1.808	-4431.48
9160_9161	9160	9161	-134	102.096	-0.182	0.198	-0.195	3350.739
9161_9161	9161	9161	134	-105.399	0.182	-0.201	0.195	-3350.74
9161_9162	9161	9162	-114.73	135.838	-0.182	0.201	-2.2	1933.332
9162_9162	9162	9162	114.726	-151.996	-0.038	-0.17	2.2	-1933.31
9162_9163	9162	9163	-94.714	190.044	0.038	0.17	-1.677	-515.551
9163_9163	9163	9163	98.056	-188.828	-0.116	-0.526	1.807	510.351
9163_9164	9163	9164	-90.228	212.303	0.116	0.53	-0.853	-2209.22
9164_9164	9164	9164	95.361	-226.302	0.254	1.393	0.908	2210.021
9164_9165	9164	9165	-88.176	260.107	-0.254	-1.399	-3.896	-5125.92
9165_9165	9165	9165	84.249	-257.117	-0.886	-2.971	10.43	5187.98
9165_9166	9165	9166	-88.525	299.637	0.886	3.007	1.333	-8907.58
9166_9166	9166	9166	98.347	-311.75	0.499	-5.862	-1.678	8909.966
9166_9167	9166	9167	-108.099	353.583	-0.499	5.817	-4.584	-13086.2
9167_9167	9167	9167	117.854	-349.673	0.562	5.421	5.753	13089.7
9167_9168	9167	9168	-131.109	393.8	-0.562	-5.472	-12.834	-17748.4
9168_9168	9168	9168	-1508.01	218.456	-2.457	-1.029	36.886	5176.8
9168_9169	9168	9169	1533.917	-189.269	2.457	1.029	-13.544	-3345.23

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9169_9169	9169	9169	-1538.13	189.208	-0.691	2.694	14.677	3365.739
9169_9170	9169	9170	1557.498	-166.889	0.691	-2.694	-9.323	-2064.81
9170_9170	9170	9170	-1557.5	166.902	-2.965	-0.473	9.323	2064.809
9170_9171	9170	9171	1574.476	-144.583	2.965	0.473	13.659	-927.233
9171_9171	9171	9171	-1574.47	127.158	1.463	0.702	-13.659	927.233
9171_9172	9171	9172	1589.289	-104.119	-1.463	-0.702	1.954	-62.984
9172_9172	9172	9172	-1589.29	104.132	-0.74	-0.159	-1.954	62.984
9172_9173	9172	9173	1601.551	-81.093	0.74	0.159	7.876	627.202
9173_9173	9173	9173	-1601.55	81.106	1.463	-0.038	-7.876	-627.201
9173_9174	9173	9174	1611.26	-58.067	-1.463	0.038	-3.829	1143.322
9174_9174	9174	9174	-1611.26	41.209	0.857	-0.182	3.829	-1143.33
9174_9175	9174	9175	1617.345	-23.929	-0.857	0.182	-8.974	1313.064
9175_9175	9175	9175	-1617.34	23.94	-2.08	0.568	8.974	-1313.06
9175_9176	9175	9176	1621.995	-6.66	2.08	-0.568	3.508	1384.886
9176_9176	9176	9176	-1622	6.67	0.857	-0.222	-3.508	-1384.89
9176_9177	9176	9177	1625.212	10.609	-0.857	0.222	-1.637	1358.799
9177_9177	9177	9177	-1625.21	-10.599	0.857	-0.222	1.637	-1358.8
9177_9178	9177	9178	1626.992	27.879	-0.857	0.222	-6.782	1234.799
9178_9178	9178	9178	-1626.99	-44.712	-1.885	-0.011	6.782	-1234.79
9178_9179	9178	9179	1627.758	67.751	1.885	0.011	8.295	779.91
9179_9179	9179	9179	-1627.76	-67.738	0.319	0.283	-8.295	-779.911
9179_9180	9179	9180	1625.972	90.777	-0.319	-0.283	5.746	150.967
9180_9180	9180	9180	-1625.97	-90.763	-1.885	-0.821	-5.746	-150.967
9180_9181	9180	9181	1621.633	113.803	1.885	0.821	20.823	-652.042
9181_9181	9181	9181	-1621.63	-130.847	3.226	1.011	-20.823	652.04
9181_9182	9181	9182	1614.928	153.166	-3.226	-1.011	-4.177	-1727.86
9182_9182	9182	9182	-1614.93	-156.495	3.226	1.011	4.177	1727.856
9182_9183	9182	9183	1603.311	178.815	-3.226	-1.011	-29.177	-2982.93
9183_9183	9183	9183	-1593.55	-178.846	1.315	-3.218	28.651	2935.291
9183_9184	9183	9184	1576.249	208.03	-1.315	3.218	-41.147	-4706.29
9184_9184	9184	9184	97.793	400.156	-0.916	-5.699	5.574	17125.86
9184_9185	9184	9185	-64.532	-356.263	0.916	5.653	5.963	-12480.9
9185_9185	9185	9185	54.708	360.219	-0.85	6.361	-7.187	12478.01
9185_9186	9185	9186	-18.26	-318.67	0.85	-6.403	17.852	-8324.02
9186_9186	9186	9186	8.432	307.288	1.199	0.441	-17.264	8322.255
9186_9187	9186	9187	28.906	-265.038	-1.199	-0.404	1.352	-4616.29
9187_9187	9187	9187	422.663	262.199	0.154	0.673	-6.196	2148.85
9187_9188	9187	9188	-405.049	-227.751	-0.154	-0.674	4.384	598.953
9188_9188	9188	9188	400.138	212.493	0.17	-2.252	-4.337	-598.196
9188_9189	9188	9189	-372.639	-188.629	-0.17	2.256	2.934	2123.521
9189_9189	9189	9189	387.264	190.829	0.129	2.287	-3.065	-2129.31
9189_9190	9189	9190	-330.739	-150.625	-0.129	-2.287	1.287	4243.931
9190_9190	9190	9190	330.743	132.076	-0.008	-3.511	-1.287	-4243.95
9190_9191	9190	9191	-289.296	-99.913	0.008	3.511	1.378	5347.909
9191_9191	9191	9191	289.295	99.934	-0.075	4.128	-1.378	-5347.91
9191_9192	9191	9192	-252.867	-67.771	0.075	-4.128	2.204	6117.496
9192_9192	9192	9192	252.869	48.913	-0.014	4.379	-2.204	-6117.5
9192_9193	9192	9193	-222.218	-19.82	0.014	-4.379	2.341	6329.917
9193_9193	9193	9193	222.218	19.839	0.06	-4.21	-2.341	-6329.92
9193_9194	9193	9194	-195.675	9.254	-0.06	4.21	1.744	6268.747
9194_9194	9194	9194	195.676	-27.799	-0.004	3.524	-1.744	-6268.75
9194_9195	9194	9195	-171.215	56.892	0.004	-3.524	1.785	5741.441
9195_9195	9195	9195	171.215	-56.873	0.07	-3.74	-1.785	-5741.44

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9195_9196	9195	9196	-150.879	85.937	-0.07	3.74	1.093	4941.494
9196_9196	9196	9196	150.876	-105.09	0.068	1.642	-1.093	-4941.48
9196_9197	9196	9197	-131.098	137.253	-0.068	-1.642	0.344	3519.158
9197_9197	9197	9197	131.097	-137.232	0.135	-2.278	-0.344	-3519.16
9197_9198	9197	9198	-116.338	169.395	-0.135	2.278	-1.138	1762.462
9198_9198	9198	9198	116.326	-191.103	0.026	-0.67	1.138	-1762.42
9198_9199	9198	9199	-107.172	231.336	-0.026	0.67	-1.493	-1196.44
9199_9199	9199	9199	109.307	-229.87	0.097	0.218	1.606	1168.962
9199_9200	9199	9200	-107.051	254.635	-0.097	-0.211	-2.405	-3190.98
9200_9200	9200	9200	113.261	-270.712	-0.971	-0.803	2.379	3192.052
9200_9201	9200	9201	-113.895	306.351	0.971	0.77	9.04	-6610.19
9201_9201	9201	9201	116.604	-302.422	-3.025	-0.437	-1.11	6646.649
9201_9202	9201	9202	-129.448	348.311	3.025	0.489	41.265	-10944.4
9202_9202	9202	9202	140.964	-363.406	2.635	5.229	-40.852	10947.54
9202_9203	9202	9203	-155.387	408.427	-2.635	-5.275	7.774	-15755.2
9203_9203	9203	9203	166.605	-403.625	2.573	-8.152	-9.24	15759.7
9203_9204	9203	9204	-181.839	450.946	-2.573	8.101	-23.149	-21087.9
9204_9204	9204	9204	-1800.06	237.008	-12.447	-3.083	241.773	6202.982
9204_9205	9204	9205	1824.048	-205.41	12.447	3.083	-123.53	-4201.4
9205_9205	9205	9205	-1824.95	205.37	-10.326	2.995	124.777	3982.088
9205_9206	9205	9206	1842.606	-181.081	10.326	-2.995	-44.752	-2556.23
9206_9206	9206	9206	-1842.61	181.094	-10.326	2.995	44.752	2556.232
9206_9207	9206	9207	1857.973	-156.805	10.326	-2.995	35.272	-1309.41
9207_9207	9207	9207	-1858.01	137.105	-3.121	-0.704	-35.272	1309.412
9207_9208	9207	9208	1871.363	-112.033	3.121	0.704	60.241	-367.426
9208_9208	9208	9208	-1871.36	112.047	-0.534	0.736	-60.241	367.426
9208_9209	9208	9209	1882.276	-86.974	0.534	-0.736	64.509	383.785
9209_9209	9209	9209	-1882.27	86.988	2.054	1.362	-64.509	-383.787
9209_9210	9209	9210	1890.745	-61.916	-2.054	-1.362	48.077	944.223
9210_9210	9210	9210	-1890.71	44.207	-5.25	0.444	-48.077	-944.232
9210_9211	9210	9211	1895.817	-25.403	5.25	-0.444	79.578	1131.646
9211_9211	9211	9211	-1895.82	25.413	-1.8	0.265	-79.578	-1131.65
9211_9212	9211	9212	1899.555	-6.608	1.8	-0.265	90.379	1211.751
9212_9212	9212	9212	-1899.56	6.619	1.65	0.032	-90.379	-1211.75
9212_9213	9212	9213	1901.915	12.186	-1.65	-0.032	80.48	1184.541
9213_9213	9213	9213	-1901.91	-12.176	5.1	-0.091	-80.48	-1184.54
9213_9214	9213	9214	1902.897	30.981	-5.1	0.091	49.88	1050.012
9214_9214	9214	9214	-1902.96	-48.389	-6.702	-2.332	-49.88	-1050.01
9214_9215	9214	9215	1902.634	73.431	6.702	2.332	103.434	563.116
9215_9215	9215	9215	-1902.64	-73.418	-1.554	-0.817	-103.434	-563.117
9215_9216	9215	9216	1899.877	98.492	1.554	0.817	115.863	-115.079
9216_9216	9216	9216	-1899.87	-98.478	3.621	2.44	-115.863	115.077
9216_9217	9216	9217	1894.666	123.553	-3.621	-2.44	86.893	-984.11
9217_9217	9217	9217	-1894.62	-143.45	11.181	-10.952	-86.893	984.229
9217_9218	9217	9218	1887.224	167.743	-11.181	10.952	0.226	-2162.35
9218_9218	9218	9218	-1887.17	-167.729	19.192	1.969	-0.226	2162.357
9218_9219	9218	9219	1877.479	192.023	-19.192	-1.969	-148.54	-3519.67
9219_9219	9219	9219	-1871.88	-195.406	20.031	6.318	148.602	3722.076
9219_9220	9219	9220	1854.078	227.008	-20.031	-6.318	-338.94	-5657.74
9220_9220	9220	9220	170.607	443.056	-3.052	-27.307	23.633	20463.07
9220_9221	9220	9221	-142.985	-395.989	3.052	27.27	14.766	-15288.2
9221_9221	9221	9221	131.981	401.316	-2.866	29.723	-20.646	15284.54
9221_9222	9221	9222	-101.839	-356.537	2.866	-29.756	56.634	-10622

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9222_9222	9222	9222	90.48	338.053	4.611	-0.854	-53.774	10621.06
9222_9223	9222	9223	-59.642	-292.416	-4.611	0.891	-7.419	-6520.17
9223_9223	9223	9223	481.706	290.901	2.131	2.828	-25.958	4157.961
9223_9224	9223	9224	-463.525	-254.662	-2.131	-2.871	0.911	-1091.7
9224_9224	9224	9224	457.811	236.168	0.459	8.771	-0.914	1093.24
9224_9225	9224	9225	-430.963	-211.012	-0.459	-8.761	-2.879	622.143
9225_9225	9225	9225	404.755	213.959	0.632	-5.773	3.653	-446.287
9225_9226	9225	9226	-352.308	-168.364	-0.632	5.773	-12.808	2991.869
9226_9226	9226	9226	352.365	148.128	0.283	9.541	12.808	-2992.21
9226_9227	9226	9227	-316.946	-112.328	-0.283	-9.541	-16.021	4321.472
9227_9227	9227	9227	316.947	112.349	0.443	-8.706	16.021	-4321.47
9227_9228	9227	9228	-286.533	-76.544	-0.443	8.706	-21.055	5263.84
9228_9228	9228	9228	286.534	58.13	0.112	9.672	21.055	-5264.03
9228_9229	9228	9229	-260.352	-22.349	-0.112	-9.672	-22.33	5606.692
9229_9229	9229	9229	260.351	22.37	0.272	-10.155	22.33	-5606.69
9229_9230	9229	9230	-239.168	13.417	-0.272	10.155	-25.425	5562.736
9230_9230	9230	9230	239.126	-32.475	2.576	10.17	25.425	-5562.49
9230_9231	9230	9231	-221.329	70.382	-2.576	-10.17	-56.445	4861.435
9231_9231	9231	9231	221.349	-70.362	2.716	-4.118	56.445	-4861.48
9231_9232	9231	9232	-211.733	98.623	-2.716	4.118	-80.829	4056.513
9232_9232	9232	9232	214.848	-97.576	3.458	-24.911	91.546	-4068.51
9232_9233	9232	9233	-211.886	107.44	-3.458	24.919	-102.185	3738.363
9233_9233	9233	9233	213.879	-126.684	-7.122	3.597	102.396	-3737.85
9233_9234	9233	9234	-205.057	157.392	7.122	-3.739	-34.508	2337.581
9234_9234	9234	9234	207.949	-153.915	-6.964	-5.717	34.253	-2336.79
9234_9235	9234	9235	-201.479	177.959	6.964	5.506	17.222	1071.608
9235_9235	9235	9235	199.121	-175.211	-8.013	-10.5	-23.071	-1043.59
9235_9236	9235	9236	-197.175	198.934	8.013	10.231	73.013	-141.855
9236_9236	9236	9236	201.63	-215.388	11.941	-5.693	-72.959	143.495
9236_9237	9236	9237	-201.625	253.653	-11.941	6.471	-44.836	-2479.08
9237_9237	9237	9237	158.627	-250.562	12.094	2.312	103.091	2790.728
9237_9238	9237	9238	-167.573	288.151	-12.094	-1.352	-216.39	-5313.51
9238_9238	9238	9238	177.046	-306.971	-7.896	-12.36	215.328	5315.36
9238_9239	9238	9239	-186.264	344.129	7.896	11.872	-144.376	-8238.88
9239_9239	9239	9239	191.006	-341.131	-7.784	6.252	146.729	8241.821
9239_9240	9239	9240	-195.4	357.812	7.784	-6.476	-116.063	-9616.54
9240_9240	9240	9240	-1322.46	287.433	13.174	12.258	648.898	2489.138
9240_9241	9240	9241	1333.471	-263.732	-13.174	-12.258	-732.305	-788.949
9241_9241	9241	9241	-1331.58	221.38	-32.134	-0.573	732.305	789.037
9241_9242	9241	9242	1337.565	-209.548	32.134	0.573	-630.74	-132.307
9242_9242	9242	9242	-1335.54	209.542	-29.201	0.721	632.515	122.256
9242_9243	9242	9243	1356.077	-163.931	29.201	-0.721	-271.772	2100.941
9243_9243	9243	9243	-1356.14	163.948	-25.063	-2.755	271.772	-2100.98
9243_9244	9243	9244	1367.875	-130.779	25.063	2.755	-46.606	3376.709
9244_9244	9244	9244	-1367.52	109.861	-29.781	6.561	46.606	-3376.1
9244_9245	9244	9245	1380.236	-71.27	29.781	-6.561	264.676	4270.279
9245_9245	9245	9245	-1380.31	71.286	-25.439	-2.414	-264.676	-4270.3
9245_9246	9245	9246	1388.463	-37.431	25.439	2.414	497.935	4734.661
9246_9246	9246	9246	-1388.89	21.868	-9.578	6.889	-497.935	-4733.86
9246_9247	9246	9247	1395.142	17.078	9.578	-6.889	598.971	4732.393
9247_9247	9247	9247	-1395.16	-17.062	-4.364	-4.806	-598.971	-4732.41
9247_9248	9247	9248	1397.575	50.603	4.364	4.806	638.621	4413.855
9248_9248	9248	9248	-1397.63	-67.369	1.056	3.172	-638.621	-4413.37

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9248_9249	9248	9249	1397.718	102.402	-1.056	-3.172	628.598	3605.896
9249_9249	9249	9249	-1397.71	-102.387	4.88	-2.41	-628.598	-3605.89
9249_9250	9249	9250	1394.485	139.804	-4.88	2.41	579.14	2389.683
9250_9250	9250	9250	-1394.61	-156.159	19.63	-1.759	-579.14	-2389.51
9250_9251	9250	9251	1388.645	192.626	-19.63	1.759	385.253	688.966
9251_9251	9251	9251	-1388.6	-192.61	23.462	-0.143	-385.253	-688.966
9251_9252	9251	9252	1379.516	228.604	-23.462	0.143	156.524	-1329.87
9252_9252	9252	9252	-1379.16	-256.204	3.132	-61.435	-156.524	1328.88
9252_9253	9252	9253	1376.029	267.869	-3.132	61.435	146.63	-2144.85
9253_9253	9253	9253	-1373.73	-267.855	6.02	-54.969	-146.815	2133.872
9253_9254	9253	9254	1362.25	303.414	-6.02	54.969	89.618	-4803.49
9254_9254	9254	9254	169.706	336.247	-27.423	65.624	104.82	12298.69
9254_9255	9254	9255	-146.012	-286.713	27.423	-65.908	222.157	-8643.34
9255_9255	9255	9255	134.72	250.591	21.571	-13.408	-212.619	8638.57
9255_9256	9255	9256	-113.151	-207.905	-21.571	13.518	-17.809	-6235.26
9256_9256	9256	9256	108.241	212.384	21.74	16.922	15.368	6233.048
9256_9257	9256	9257	-87.466	-169.647	-21.74	-16.829	-254.715	-4168.14
9257_9257	9257	9257	83.396	148.337	-9.57	-7.542	255.989	4166.933
9257_9258	9257	9258	-74.924	-129.998	9.57	7.537	-210.013	-3513.51
9258_9258	9258	9258	30.473	133.35	-9.525	-1.848	210.19	3737.31
9258_9259	9258	9259	-15.478	-100.348	9.525	1.842	-113.911	-2578.19
9259_9259	9259	9259	13.588	102.863	-9.4	9.441	113.651	2577.538
9259_9260	9259	9260	-9.228	-81.009	9.4	-9.443	-50.416	-1961.01
9260_9260	9260	9260	390.257	60.425	-0.338	17.873	6.625	103.133
9260_9261	9260	9261	-397.796	-49.91	0.338	-17.87	-5.555	105.375
9261_9261	9261	9261	414.375	51.397	0.13	5.624	2.937	-292.461
9261_9262	9261	9262	-442.617	-13.912	-0.13	-5.624	-4.43	805.332
9262_9262	9262	9262	442.616	13.934	0.471	-9.43	4.43	-805.33
9262_9263	9262	9263	-471.157	18.351	-0.471	9.43	-9.075	920.708
9263_9263	9263	9263	471.191	-43.765	0.962	4.876	9.075	-920.691
9263_9264	9263	9264	-511.254	82.179	-0.962	-4.876	-20.369	371.135
9264_9264	9264	9264	511.255	-82.155	1.156	-4.78	20.369	-371.132
9264_9265	9264	9265	-555.071	119.157	-1.156	4.78	-33.452	-562.539
9265_9265	9265	9265	555.115	-141.571	0.717	2.655	33.452	562.718
9265_9266	9265	9266	-606.322	180.054	-0.717	-2.655	-41.888	-2217.08
9266_9266	9266	9266	606.323	-180.03	0.901	-4.125	41.888	2217.08
9266_9267	9266	9267	-660.69	216.968	-0.901	4.125	-52.062	-4208.67
9267_9267	9267	9267	660.81	-241.047	1.785	-0.883	52.062	4209.487
9267_9268	9267	9268	-696.088	262.922	-1.785	0.883	-63.997	-5733
9268_9268	9268	9268	696.09	-262.908	1.845	-1.737	63.997	5733.007
9268_9269	9268	9269	-733.392	284.916	-1.845	1.737	-76.414	-7405.8
9269_9269	9269	9269	664.899	-281.03	1.971	-3.131	72.259	7939.205
9269_9270	9269	9270	-695.123	314.913	-1.971	3.125	-91.255	-10650.6
9270_9270	9270	9270	702.474	-331.49	-2.965	-11.689	90.902	10651.68
9270_9271	9270	9271	-702.77	368.57	2.965	11.705	-60.131	-14190.9
9271_9271	9271	9271	610.369	-364.389	-2.745	-2.648	53.156	14776.86
9271_9272	9271	9272	-596.481	397.557	2.745	2.664	-30.763	-17858.5
9272_9272	9272	9272	602.011	-393.406	-2.523	20.817	32.413	17858.03
9272_9273	9272	9273	-588.803	414.8	2.523	-20.809	-19.39	-19939.6
9273_9273	9273	9273	598.969	-437.714	4.647	-38.399	14.527	19942.63
9273_9274	9273	9274	-563.778	488.633	-4.647	37.959	-70.043	-25474.8
9274_9274	9274	9274	577.11	-484.323	4.998	22.866	76.28	25475.1
9274_9275	9274	9275	-539.184	542.948	-4.998	-23.446	-142.034	-32235.2

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9275_9275	9275	9275	-2015.43	346.52	-50.32	-3.473	1068.888	10540.82
9275_9276	9275	9276	2059.034	-327.441	50.32	3.473	-823.186	-9078.85
9276_9276	9276	9276	-2059.09	327.449	-47.924	1.524	823.186	9078.867
9276_9277	9276	9277	2099.62	-309.398	47.924	-1.524	-601.785	-7778.54
9277_9277	9277	9277	-2067.8	309.273	-44.352	3.642	601.413	7808.368
9277_9278	9277	9278	2151.923	-275.517	44.352	-3.642	-192.85	-5479.07
9278_9278	9278	9278	-2445.9	264.728	-26.946	-11.137	248.058	6905.813
9278_9279	9278	9279	2463.369	-223.406	26.946	11.137	56.659	-4217.29
9279_9279	9279	9279	-2463.45	223.426	-15.793	9.735	-56.659	4217.281
9279_9280	9279	9280	2476.9	-180.845	15.793	-9.735	240.693	-1917.4
9280_9280	9280	9280	-2477.42	154.668	-24.386	-2.84	-240.693	1918.006
9280_9281	9280	9281	2485.828	-111.881	24.386	2.84	526.226	-392.301
9281_9281	9281	9281	-2485.91	111.901	-13.899	2.335	-526.226	392.3
9281_9282	9281	9282	2489.673	-68.263	13.899	-2.335	692.21	667.064
9282_9282	9282	9282	-2521.07	49.475	-9.737	0.776	-701.99	-524.106
9282_9283	9282	9283	2522.658	-7.693	9.737	-0.776	822.797	870.91
9283_9283	9283	9283	-2522.67	7.712	2.733	0.626	-822.797	-870.936
9283_9284	9283	9284	2520.193	30.126	-2.733	-0.626	792.091	753.481
9284_9284	9284	9284	-2518.93	-68.152	54.878	-1.416	-792.091	-753.465
9284_9285	9284	9285	2512.954	102.258	-54.878	1.416	236.315	-86.333
9285_9285	9285	9285	-2512.78	-102.243	62.585	1.303	-236.315	86.32
9285_9286	9285	9286	2504.547	133.827	-62.585	-1.303	-350.624	-1161.18
9286_9286	9286	9286	-2504.47	-168.177	-11.009	-34.865	350.624	1161.248
9286_9287	9286	9287	2500.47	181.73	11.009	34.865	-306.321	-1849.68
9287_9287	9287	9287	-2498.13	-181.748	-12.521	-35.39	307.297	1619.071
9287_9288	9287	9288	2487.025	216.041	12.521	35.39	-188.37	-3465.5
9288_9288	9288	9288	243.876	797.734	-24.56	57.086	-41.868	22196.64
9288_9289	9288	9289	-226.478	-753.926	24.56	-56.921	305.205	-13975.6
9289_9289	9289	9289	197.964	657.159	19.285	-12.897	-297.129	13976.52
9289_9290	9289	9290	-174.966	-610.41	-19.285	12.826	67.597	-6544.13
9290_9290	9290	9290	156.62	615.725	19.416	8.918	-68.924	6542.29
9290_9291	9290	9291	-131.66	-571.512	-19.416	-8.966	-156.271	235.567
9291_9291	9291	9291	118.433	532.658	-12.78	10.557	156.257	-236.442
9291_9292	9291	9292	-109.934	-517.07	12.78	-10.548	-103.24	2379.007
9292_9292	9292	9292	85.915	519.264	-12.517	4.888	102.767	-2301.59
9292_9293	9292	9293	-68.751	-492.668	12.517	-4.881	-2.48	6280.188
9293_9293	9293	9293	62.315	494.316	-12.412	-4.364	2.547	-6280.37
9293_9294	9293	9294	-48.078	-467.871	12.412	4.364	96.549	10054.91
9294_9294	9294	9294	48.281	429.358	-1.049	38.812	-96.551	-10056.3
9294_9295	9294	9295	-41.208	-416.085	1.049	-38.812	100.756	11717.46
9295_9295	9295	9295	62.612	416.332	-0.774	5.905	-101.788	-11838.1
9295_9296	9295	9296	-48.684	-377.953	0.774	-5.905	109.673	15818.16
9296_9296	9296	9296	48.686	377.964	-0.652	-26.892	-109.673	-15818.1
9296_9297	9296	9297	-39.201	-346.834	0.652	26.892	115.06	18767.92
9297_9297	9297	9297	-60.84	312.631	3.443	34.387	-79.574	-18206.6
9297_9298	9297	9298	65.956	-269.524	-3.443	-34.387	40.009	21530.83
9298_9298	9298	9298	-65.939	269.538	3.606	-25.149	-40.009	-21530.9
9298_9299	9298	9299	67.877	-229.48	-3.606	25.149	1.495	24189.28
9299_9299	9299	9299	-67.974	195.725	0.924	44.48	-1.495	-24192.6
9299_9300	9299	9300	68.995	-155.213	-0.924	-44.48	-8.48	26085.89
9300_9300	9300	9300	-68.995	155.229	1.079	-27.345	8.48	-26085.9
9300_9301	9300	9301	66.609	-107.194	-1.079	27.345	-22.3	27780.96
9301_9301	9301	9301	-66.659	71.363	-0.325	52.731	22.3	-27784.5

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9301_9302	9301	9302	62.827	-26.886	0.325	-52.731	-18.452	28388.41
9302_9302	9302	9302	-62.827	26.901	-0.136	-44.121	18.452	-28388.4
9302_9303	9302	9303	55.727	17.193	0.136	44.121	-16.848	28482.35
9303_9303	9303	9303	-55.739	-52.086	0.566	40.855	16.848	-28486.4
9303_9304	9303	9304	46.609	99.201	-0.566	-40.855	-23.962	27582.94
9304_9304	9304	9304	-46.604	-99.186	0.728	-40.993	23.962	-27583
9304_9305	9304	9305	35.477	140.607	-0.728	40.993	-32.001	26314.68
9305_9305	9305	9305	-35.505	-175.057	0.373	47.012	32.001	-26318
9305_9306	9305	9306	23.092	216.506	-0.373	-47.012	-36.118	24216.36
9306_9306	9306	9306	-23.092	-216.491	0.569	-40.473	36.118	-24216.4
9306_9307	9306	9307	5.467	263.575	-0.569	40.473	-43.258	21290.27
9307_9307	9307	9307	-5.494	-295.251	0.267	18.123	43.258	-21292.9
9307_9308	9307	9308	-13.245	339.854	-0.267	-18.123	-46.432	17608.95
9308_9308	9308	9308	13.246	-343.302	0.391	-21.835	46.432	-17609
9308_9309	9308	9309	-37.239	387.198	-0.391	21.835	-51.013	13451.46
9309_9309	9309	9309	37.006	-419.01	-7.796	6.793	51.013	-13452.8
9309_9310	9309	9310	-64.64	463.81	7.796	-6.793	42.1	8315.001
9310_9310	9310	9310	64.605	-463.795	-7.634	-16.274	-42.1	-8314.97
9310_9311	9310	9311	-94.838	507.507	7.634	16.274	131.068	2801.869
9311_9311	9311	9311	96.087	-535.326	39.511	-15.231	-131.068	-2803.04
9311_9312	9311	9312	-105.957	547.769	-39.511	15.231	0	1054.482
9400_9020	9400	9020	2394.288	-240.389	44.46	1.415	-400.184	-3961.37
9400_9401	9400	9401	-2395.34	244.371	-44.46	-1.415	218.318	2969.909
9401_9401	9401	9401	2394.314	-239.6	18.823	-0.138	-205.116	-2970.03
9401_9402	9401	9402	-2395.22	242.995	-18.823	0.138	139.411	2127.744
9402_9402	9402	9402	2400.44	-184.847	14.147	-1	-140.616	-2127.66
9402_9403	9402	9403	-2403.53	195.396	-14.147	1	-13.841	51.864
9403_9403	9403	9403	2419.006	-123.206	-0.815	-0.706	23.047	-51.838
9403_9404	9403	9404	-2421.26	130.106	0.815	0.706	-17.173	-861.375
9404_9404	9404	9404	2423.632	-73.726	-2.25	-0.59	17.334	861.372
9404_9405	9404	9405	-2426.05	80.575	2.25	0.59	-1.102	-1417.9
9405_9405	9405	9405	2441.651	3.185	-0.782	-0.495	11.41	1417.916
9405_9406	9405	9406	-2446.96	10.319	0.782	0.495	-0.134	-1469.32
9406_9406	9406	9406	2454.768	75.189	-1.369	-0.675	11.272	1469.332
9406_9407	9406	9407	-2458.32	-67.016	1.369	0.675	0.851	-839.853
9407_9407	9407	9407	2456.428	117.429	-3	-0.112	-0.614	839.853
9407_9408	9407	9408	-2458.88	-112.087	3	0.112	17.284	-202.089
9408_9408	9408	9408	2435.329	-408.919	-0.689	-3.442	-20.094	202.105
9408_9409	9408	9409	-2436.03	412.048	0.689	3.442	22.184	-1445.92
9409_9409	9409	9409	2431.87	389.804	-1.426	2.307	-21.935	1447.255
9409_9410	9409	9410	-2431.17	-386.686	1.426	-2.307	26.243	-274.595
9410_9410	9410	9410	2448.424	-131.028	4.98	-1.549	-22.758	274.609
9410_9411	9410	9411	-2445.97	136.369	-4.98	1.549	-4.919	-1017.63
9411_9411	9411	9411	2448.249	-86.407	1.026	-0.03	4.182	1017.637
9411_9412	9411	9412	-2444.7	94.578	-1.026	0.03	-13.264	-1818.6
9412_9412	9412	9412	2434.786	-8.349	0.529	-0.549	2.137	1818.614
9412_9413	9412	9413	-2429.48	21.866	-0.529	0.549	-9.765	-2036.51
9413_9413	9413	9413	2411.71	60.452	2.09	-0.885	-0.041	2036.506
9413_9414	9413	9414	-2409.29	-53.608	-2.09	0.885	-15.024	-1625.35
9414_9414	9414	9414	2407.399	109.579	0.347	-0.039	14.609	1625.355
9414_9415	9414	9415	-2405.14	-102.685	-0.347	0.039	-17.106	-860.673
9415_9415	9415	9415	2384.314	175.006	-7.987	-0.841	7.152	860.686
9415_9416	9415	9416	-2381.22	-164.46	7.987	0.841	80.037	992.186

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9416_9416	9416	9416	2376.438	223.233	-6.836	1.63	-80.165	-992.175
9416_9417	9416	9417	-2375.53	-219.832	6.836	-1.63	104.062	1766.653
9417_9417	9417	9417	2376.555	225.248	-34.341	-1.646	-113.509	-1766.75
9417_9036	9417	9036	-2375.51	-221.261	34.341	1.646	254.135	2680.961
9420_9056	9420	9056	2049.513	-224.977	34.412	1.404	-215.494	-3904.68
9420_9421	9420	9421	-2050.44	228.512	-34.412	-1.404	74.517	2975.759
9421_9421	9421	9421	2049.428	-222.685	6.114	0.599	-64.244	-2975.72
9421_9422	9421	9422	-2050.23	225.691	-6.114	-0.599	42.916	2193.714
9422_9422	9422	9422	2055.058	-176.459	4.536	-0.101	-43.396	-2193.71
9422_9423	9422	9423	-2057.8	185.809	-4.536	0.101	-6.138	215.547
9423_9423	9423	9423	2075.11	-123.703	-0.38	-0.003	16.267	-215.539
9423_9424	9423	9424	-2077.11	129.814	0.38	0.003	-13.527	-697.973
9424_9424	9424	9424	2079.566	-81.438	-2.137	0.28	13.734	697.969
9424_9425	9424	9425	-2081.71	87.503	2.137	-0.28	1.671	-1307.03
9425_9425	9425	9425	2095.002	-16.528	-0.981	0.217	9.89	1307.029
9425_9426	9425	9426	-2099.7	28.497	0.981	-0.217	4.245	-1631.54
9426_9426	9426	9426	2106.147	44.527	0.791	-0.23	7.599	1631.535
9426_9427	9426	9427	-2109.3	-37.282	-0.791	0.23	-14.606	-1269.31
9427_9427	9427	9427	2108.095	80.339	-1.945	1.091	15.342	1269.302
9427_9428	9427	9428	-2110.28	-75.574	1.945	-1.091	-4.528	-835.864
9428_9428	9428	9428	2084.13	-369.172	3.462	-0.28	1.151	835.863
9428_9429	9428	9429	-2084.75	371.952	-3.462	0.28	-11.61	-1955.4
9429_9429	9429	9429	2086.137	376.618	-3.696	0.541	11.552	1957.096
9429_9430	9429	9430	-2085.52	-373.838	3.696	-0.541	-0.387	-823.727
9430_9430	9430	9430	2107.872	-71.088	1.568	-0.332	3.136	823.721
9430_9431	9430	9431	-2105.68	75.854	-1.568	0.332	-11.853	-1232.22
9431_9431	9431	9431	2106.792	-32.982	-0.48	0.617	11.327	1232.225
9431_9432	9431	9432	-2103.64	40.225	0.48	-0.617	-7.075	-1556.32
9432_9432	9432	9432	2092.463	33.258	1.124	0.268	-4.314	1556.308
9432_9433	9432	9433	-2087.76	-21.284	-1.124	-0.268	-11.895	-1163.07
9433_9433	9433	9433	2068.932	91.563	1.561	0.342	0.58	1163.06
9433_9434	9433	9434	-2066.79	-85.5	-1.561	-0.342	-11.833	-525.019
9434_9434	9434	9434	2064.187	134.423	0.424	0.357	11.741	525.021
9434_9435	9434	9435	-2062.19	-128.308	-0.424	-0.357	-14.797	422.405
9435_9435	9435	9435	2049.005	189.313	-12.128	0.597	4.922	-422.428
9435_9436	9435	9436	-2046.27	-179.969	12.128	-0.597	127.448	2437.617
9436_9436	9436	9436	2041.176	230.445	-15.373	-0.252	-126.329	-2437.68
9436_9437	9436	9437	-2040.37	-227.432	15.373	0.252	180.06	3237.825
9437_9437	9437	9437	2041.999	231.329	-29.063	-1.313	-194.6	-3237.81
9437_9072	9437	9072	-2041.07	-227.798	29.063	1.313	313.563	4177.481
9440_9094	9440	9094	2359.165	-210.298	30.082	0.827	-138.871	-2606.27
9440_9441	9440	9441	-2360.09	213.8	-30.082	-0.827	15.601	1737.324
9441_9441	9441	9441	2358.264	-207.113	1.006	0.02	-2.807	-1737.28
9441_9442	9441	9442	-2359.06	210.093	-1.006	-0.02	-0.705	1009.147
9442_9442	9442	9442	2363.459	-152.852	0.181	-0.356	0.6	-1009.15
9442_9443	9442	9443	-2366.17	162.11	-0.181	0.356	-2.579	-710.251
9443_9443	9443	9443	2381.349	-90.13	-1.661	0.05	17.19	710.264
9443_9444	9443	9444	-2383.33	96.178	1.661	-0.05	-5.227	-1381.14
9444_9444	9444	9444	2384.902	-41.818	-1.181	-0.349	5.128	1381.141
9444_9445	9444	9445	-2387.02	47.831	1.181	0.349	3.394	-1704.57
9445_9445	9445	9445	2393.449	34.058	-1.789	-0.046	12.595	1704.575
9445_9446	9445	9446	-2398.11	-22.201	1.789	0.046	13.196	-1299.06
9446_9446	9446	9446	2397.688	105.588	3.085	-0.175	1.927	1299.071

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9446_9447	9446	9447	-2400.81	-98.409	-3.085	0.175	-29.253	-395.511
9447_9447	9447	9447	2398.16	149.627	-3.042	0.182	29.695	395.478
9447_9448	9447	9448	-2400.33	-144.914	3.042	-0.182	-12.809	421.966
9448_9448	9448	9448	2376.979	-363.311	0.656	3.097	11.806	-421.954
9448_9449	9448	9449	-2377.6	366.069	-0.656	-3.097	-13.79	-681.082
9449_9449	9449	9449	2377	363.344	1.892	-3.391	13.856	681.213
9449_9450	9449	9450	-2376.38	-360.586	-1.892	3.391	-19.579	413.58
9450_9450	9450	9450	2395.485	-145.466	-1.441	0.174	21.784	-413.561
9450_9451	9450	9451	-2393.32	150.188	1.441	-0.174	-13.774	-408.315
9451_9451	9451	9451	2395.9	-100.946	-0.688	-0.235	13.829	408.313
9451_9452	9451	9452	-2392.78	108.124	0.688	0.235	-7.731	-1334.28
9452_9452	9452	9452	2389.439	-24.913	1.218	-0.061	-7.641	1334.268
9452_9453	9452	9453	-2384.78	36.767	-1.218	0.061	-9.92	-1778.8
9453_9453	9453	9453	2374.628	43.909	1.687	-0.067	-5.414	1778.796
9453_9454	9453	9454	-2372.51	-37.907	-1.687	0.067	-6.742	-1484.08
9454_9454	9454	9454	2370.943	94.115	1.114	0.137	6.62	1484.076
9454_9455	9454	9455	-2368.96	-88.06	-1.114	-0.137	-14.652	-827.363
9455_9455	9455	9455	2350.173	159.437	0.022	0.32	0.211	827.35
9455_9456	9455	9456	-2347.46	-150.174	-0.022	-0.32	-0.455	863.784
9456_9456	9456	9456	2343.184	206.418	-2.111	-0.496	0.677	-863.784
9456_9457	9456	9457	-2342.39	-203.439	2.111	0.496	6.687	1578.834
9457_9457	9457	9457	2344.362	210.139	-21.758	-0.582	-20.736	-1578.85
9457_9110	9457	9110	-2343.44	-206.639	21.758	0.582	109.861	2432.448
9460_9132	9460	9132	1922.592	-190.822	-37.788	-3.225	239.732	-3050.37
9460_9461	9460	9461	-1923.51	194.321	37.788	3.225	-85.002	2261.841
9461_9461	9461	9461	1921.644	-190.26	-10.296	-0.748	97.987	-2261.83
9461_9462	9461	9462	-1922.44	193.238	10.296	0.748	-62.074	1592.986
9462_9462	9462	9462	1926.53	-147.056	-8.571	-0.778	62.466	-1592.97
9462_9463	9462	9463	-1929.24	156.316	8.571	0.778	31.136	-63.505
9463_9463	9463	9463	1913.418	-98.718	0.178	-0.978	-15.459	63.523
9463_9464	9463	9464	-1915.4	104.771	-0.178	0.978	14.178	-796.792
9464_9464	9464	9464	1917.315	-60.221	0.178	-0.648	-14.197	796.792
9464_9465	9464	9465	-1919.44	66.229	-0.178	0.648	12.916	-1252.72
9465_9465	9465	9465	1897.813	1.001	-1.574	-0.781	1.743	1252.722
9465_9466	9465	9466	-1902.47	10.848	1.574	0.781	20.933	-1323.66
9466_9466	9466	9466	1878.723	58.763	3.666	-0.604	-6.57	1323.696
9466_9467	9466	9467	-1881.84	-51.579	-3.666	0.604	-25.921	-834.698
9467_9467	9467	9467	1880.345	91.115	1.517	-0.215	26.331	834.685
9467_9468	9467	9468	-1882.51	-86.396	-1.517	0.215	-34.764	-341.433
9468_9468	9468	9468	1835.526	-297.755	-6.79	17.304	33.069	341.427
9468_9469	9468	9469	-1836.14	300.512	6.79	-17.304	-12.542	-1245.69
9469_9469	9469	9469	1839.707	298.562	5.743	-17.536	13.703	1258.061
9469_9470	9469	9470	-1839.09	-295.805	-5.743	17.536	-31.063	-359.697
9470_9470	9470	9470	1885.927	-88.897	-3.778	1.023	32.986	359.686
9470_9471	9470	9471	-1883.76	93.617	3.778	-1.023	-11.99	-866.839
9471_9471	9471	9471	1885.288	-54.859	-1.622	-0.202	12.434	866.833
9471_9472	9471	9472	-1882.17	62.034	1.622	0.202	1.925	-1384.33
9472_9472	9472	9472	1905.553	8.84	1.993	0.542	-16.791	1384.294
9472_9473	9472	9473	-1900.9	3.018	-1.993	-0.542	-11.942	-1342.32
9473_9473	9473	9473	1915.56	63.762	0.238	0.534	-2.655	1342.314
9473_9474	9473	9474	-1913.44	-57.754	-0.238	-0.534	0.938	-904.18
9474_9474	9474	9474	1911.58	102.215	0.238	0.556	-0.925	904.18
9474_9475	9474	9475	-1909.6	-96.162	-0.238	-0.556	-0.791	-189.334

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9475_9475	9475	9475	1911.924	154.065	5.856	0.955	-12.838	189.326
9475_9476	9475	9476	-1909.21	-144.805	-5.856	-0.955	-51.111	1442.568
9476_9476	9476	9476	1905.192	190.568	4.146	-1.601	51.474	-1442.56
9476_9477	9476	9477	-1904.4	-187.591	-4.146	1.601	-65.937	2102.084
9477_9477	9477	9477	1905.848	193	-6.306	0.384	55.189	-2102.09
9477_9148	9477	9148	-1904.93	-189.501	6.306	-0.384	-29.369	2885.207
9480_9168	9480	9168	1744.7	-191.243	-9.573	-0.483	54.381	-3411.87
9480_9481	9480	9481	-1745.62	194.742	9.573	0.483	-15.181	2621.621
9481_9481	9481	9481	1744.24	-190.679	-2.539	-0.295	25.289	-2621.62
9481_9482	9481	9482	-1745.04	193.666	2.539	0.295	-16.408	1949.445
9482_9482	9482	9482	1749.329	-150.002	-2.539	-0.705	16.395	-1949.45
9482_9483	9482	9483	-1752.04	159.253	2.539	0.705	11.308	262.333
9483_9483	9483	9483	1727.125	-107.271	0.762	-1.206	1.902	-262.318
9483_9484	9483	9484	-1729.1	113.324	-0.762	1.206	-7.392	-532.591
9484_9484	9484	9484	1731.271	-73.101	-1.586	-0.644	7.621	532.588
9484_9485	9484	9485	-1733.39	79.11	1.586	0.644	3.816	-1081.39
9485_9485	9485	9485	1698.594	-18.702	-2.523	-0.937	9.774	1081.423
9485_9486	9485	9486	-1703.25	30.559	2.523	0.937	26.601	-1436.54
9486_9486	9486	9486	1657.764	33.355	5.118	0.618	-12.264	1436.584
9486_9487	9486	9487	-1660.88	-26.18	-5.118	-0.618	-33.048	-1173.02
9487_9487	9487	9487	1659.982	60.323	8.154	-2.172	32.084	1173.047
9487_9488	9487	9488	-1662.15	-55.603	-8.154	2.172	-77.402	-850.92
9488_9488	9488	9488	1588.489	-275.339	-15.215	33.144	76.434	850.854
9488_9489	9488	9489	-1589.11	278.096	15.215	-33.144	-30.44	-1687.35
9489_9489	9489	9489	1596.281	281.896	11.978	-32.937	69.021	1706.919
9489_9490	9489	9490	-1595.66	-279.139	-11.978	32.937	-105.231	-858.936
9490_9490	9490	9490	1670.897	-53.871	-9.457	1.953	105.501	858.927
9490_9491	9490	9491	-1668.73	58.591	9.457	-1.953	-52.942	-1171.43
9491_9491	9491	9491	1669.601	-23.514	-7.562	-0.482	53.545	1171.4
9491_9492	9491	9492	-1666.48	30.698	7.562	0.482	13.481	-1411.65
9492_9492	9492	9492	1709.754	32.213	2.434	0.942	-27.724	1411.598
9492_9493	9492	9493	-1705.1	-20.364	-2.434	-0.942	-7.344	-1032.82
9493_9493	9493	9493	1738.247	81.343	1.86	0.692	-5.592	1032.822
9493_9494	9493	9494	-1736.13	-75.334	-1.86	-0.692	-7.819	-467.916
9494_9494	9494	9494	1733.907	115.668	-0.511	1.164	7.619	467.918
9494_9495	9494	9495	-1731.93	-109.615	0.511	-1.164	-3.937	343.883
9495_9495	9495	9495	1753.874	162.655	2.706	1.209	-8.622	-343.891
9495_9496	9495	9496	-1751.16	-153.387	-2.706	-1.209	-20.954	2071.061
9496_9496	9496	9496	1747.174	193.611	1.145	-1.18	21.487	-2071.06
9496_9497	9496	9497	-1746.38	-190.642	-1.145	1.18	-25.47	2739.357
9497_9497	9497	9497	1747.256	196.806	6.075	0.538	14.555	-2739.37
9497_9184	9497	9184	-1746.34	-193.307	-6.075	-0.538	-39.431	3538.064
9500_9204	9500	9204	2099.31	-226.89	30.552	1.16	-134.619	-3958.63
9500_9501	9500	9501	-2100.4	231.028	-30.552	-1.16	9.517	3021.106
9501_9501	9501	9501	2100.247	-226.103	4.582	5.013	-0.759	-3021.11
9501_9502	9501	9502	-2101.19	229.625	-4.582	-5.013	-15.224	2226.297
9502_9502	9502	9502	2106.097	-179.143	-1.266	-1.693	13.482	-2226.31
9502_9503	9502	9503	-2109.31	190.095	1.266	1.693	0.344	210.201
9503_9503	9503	9503	2130.154	-126.611	-2.188	0.225	6.797	-210.173
9503_9504	9503	9504	-2132.5	133.769	2.188	-0.225	8.968	-728.099
9504_9504	9504	9504	2135.029	-84.165	0.732	-0.576	-9.317	728.095
9504_9505	9504	9505	-2137.54	91.271	-0.732	0.576	4.039	-1360.64
9505_9505	9505	9505	2152.06	-18.04	-0.529	-0.008	3.955	1360.652

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9505_9506	9505	9506	-2157.57	32.054	0.529	0.008	3.661	-1721.54
9506_9506	9506	9506	2167.768	41.644	1.419	-0.482	5.296	1721.53
9506_9507	9506	9507	-2171.46	-33.148	-1.419	0.482	-17.872	-1390.08
9507_9507	9507	9507	2170.281	78.768	-1.589	1.037	18.729	1390.067
9507_9508	9507	9508	-2172.82	-73.233	1.589	-1.037	-9.896	-967.696
9508_9508	9508	9508	2147.329	-386.189	-0.913	1.102	7.655	967.682
9508_9509	9508	9509	-2148.05	389.422	0.913	-1.102	-4.895	-2140.02
9509_9509	9509	9509	2148.509	391.626	5.568	-0.716	4.809	2139.708
9509_9510	9509	9510	-2147.79	-388.393	-5.568	0.716	-21.641	-960.732
9510_9510	9510	9510	2178.214	-71.549	0.732	-0.929	22.339	960.766
9510_9511	9510	9511	-2175.67	77.084	-0.732	0.929	-26.408	-1373.78
9511_9511	9511	9511	2176.795	-32.312	-3.148	0.962	25.325	1373.803
9511_9512	9511	9512	-2173.11	40.798	3.148	-0.962	2.551	-1697.48
9512_9512	9512	9512	2168.075	34.1	1.354	0.27	-11.368	1697.475
9512_9513	9512	9513	-2162.57	-20.086	-1.354	-0.27	-8.139	-1307.08
9513_9513	9513	9513	2151.676	93.48	1.909	0.713	-1.159	1307.096
9513_9514	9513	9514	-2149.17	-86.373	-1.909	-0.713	-12.609	-658.552
9514_9514	9514	9514	2146.579	136.299	2.145	0.346	12.646	658.551
9514_9515	9514	9515	-2144.24	-129.14	-2.145	-0.346	-28.106	298.062
9515_9515	9515	9515	2128.455	193.179	-7.715	0.47	22.145	-298.087
9515_9516	9515	9516	-2125.25	-182.226	7.715	-0.47	62.117	2348.253
9516_9516	9516	9516	2120.257	233.163	-9.172	0.297	-61.644	-2348.27
9516_9517	9516	9517	-2119.32	-229.641	9.172	-0.297	93.644	3155.584
9517_9517	9517	9517	2118.869	235.828	-49.131	-3.351	-99.117	-3155.7
9517_9220	9517	9220	-2117.78	-231.689	49.131	3.351	300.341	4113.098
9520_9240	9520	9240	1627.427	-266.262	-22.093	11.799	-514.097	-7251.68
9520_9521	9520	9521	-1628.74	271.224	22.093	-11.799	604.41	6153.075
9521_9521	9521	9521	1615.58	-271.612	36.515	-6.42	-599.486	-6153.93
9521_9522	9521	9522	-1616.71	275.845	-36.515	6.42	472.061	5198.701
9522_9522	9522	9522	1622.851	-237.037	36.633	5.285	-471.963	-5198.71
9522_9523	9522	9523	-1626.71	250.2	-36.633	-5.285	71.701	2536.858
9523_9523	9523	9523	1644.635	-202.396	7.044	0.666	-71.374	-2536.43
9523_9524	9523	9524	-1647.45	210.989	-7.044	-0.666	20.641	1047.691
9524_9524	9524	9524	1651.91	-172.693	3.894	-0.93	-21.353	-1047.68
9524_9525	9524	9525	-1654.92	181.225	-3.894	0.93	-6.711	-227.816
9525_9525	9525	9525	1692.474	-127.031	-1.951	-0.971	8.811	227.925
9525_9526	9525	9526	-1699.09	143.883	1.951	0.971	19.32	-2181.48
9526_9526	9526	9526	1727.703	-86.183	-1.816	-4.478	-14.237	2179.524
9526_9527	9526	9527	-1732.13	96.37	1.816	4.478	30.312	-2987.34
9527_9527	9527	9527	1733.707	-61.57	-6.971	5.161	-26.251	2987.372
9527_9528	9527	9528	-1736.74	68.172	6.971	-5.161	65.016	-3348.11
9528_9528	9528	9528	1699.831	-436.076	9.2	-13.861	-72.695	3348.109
9528_9529	9528	9529	-1700.69	439.934	-9.2	13.861	44.855	-4673.58
9529_9529	9529	9529	1697.853	426.319	0.747	11.201	-44.274	4670.262
9529_9530	9529	9530	-1696.99	-422.473	-0.747	-11.201	42.019	-3389.7
9530_9530	9530	9530	1736.321	57.845	7.569	-4.013	-38.803	3387.877
9530_9531	9530	9531	-1733.29	-51.242	-7.569	4.013	-3.293	-3084.52
9531_9531	9531	9531	1731.906	86.365	4.367	1.751	0.678	3084.523
9531_9532	9531	9532	-1727.48	-76.17	-4.367	-1.751	-39.346	-2364.86
9532_9532	9532	9532	1715.438	134.63	-1.855	0.321	33.934	2364.029
9532_9533	9532	9533	-1708.82	-117.794	1.855	-0.321	-7.199	-545.256
9533_9533	9533	9533	1687.765	175.673	3.345	2.743	4.111	545.691
9533_9534	9533	9534	-1684.75	-167.139	-3.345	-2.743	-28.224	690.048

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9534_9534	9534	9534	1680.387	206.476	-2.145	-0.267	29.049	-690.019
9534_9535	9534	9535	-1677.58	-197.876	2.145	0.267	-13.584	2147.315
9535_9535	9535	9535	1628.546	249.084	24.157	4.386	12.998	-2145.91
9535_9536	9535	9536	-1624.69	-235.923	-24.157	-4.386	-276.902	4795.16
9536_9536	9536	9536	1618.61	274.818	21.048	-11.904	279.503	-4795
9536_9537	9536	9537	-1617.48	-270.586	-21.048	11.904	-352.952	5746.601
9537_9537	9537	9537	1625.621	264.785	-32.331	-119.904	355.224	-5764.32
9537_9254	9537	9254	-1624.31	-259.82	32.331	119.904	-222.972	6837.281
9540_9275	9540	9275	2837.206	-275.838	54.443	16.84	-1124.24	-3765.26
9540_9541	9540	9541	-2838.61	281.186	-54.443	-16.84	901.375	2625.143
9541_9541	9541	9541	2836.16	-276.116	59.634	-9.498	-891.602	-2635.92
9541_9542	9541	9542	-2837.38	280.669	-59.634	9.498	683.577	1664.78
9542_9542	9542	9542	2843.43	-212.486	52.833	2.832	-684.801	-1664.3
9542_9543	9542	9543	-2847.58	226.645	-52.833	-2.832	107.788	-733.654
9543_9543	9543	9543	2877.408	-135.651	7.526	-3.328	-103.251	729.8
9543_9544	9543	9544	-2880.43	144.901	-7.526	3.328	49.03	-1740.46
9544_9544	9544	9544	2882.991	-79.3	4.73	-0.507	-48.492	1740.478
9544_9545	9544	9545	-2886.23	88.498	-4.73	0.507	14.343	-2346.15
9545_9545	9545	9545	2917.455	11.477	0.594	-1.791	-8.433	2342.923
9545_9546	9545	9546	-2924.57	6.641	-0.594	1.791	-0.127	-2308.08
9546_9546	9546	9546	2938.343	92.577	9.274	-1.199	5.634	2305.771
9546_9547	9546	9547	-2943.11	-81.608	-9.274	1.199	-87.744	-1534.66
9547_9547	9547	9547	2940.907	140.296	6.201	-1.38	88.422	1534.625
9547_9548	9547	9548	-2944.16	-133.205	-6.201	1.38	-122.93	-773.637
9548_9548	9548	9548	2914.981	-485.709	0.337	9.052	118.459	766.984
9548_9549	9548	9549	-2915.91	489.833	-0.337	-9.052	-119.473	-2237.61
9549_9549	9549	9549	2934.039	515.487	0.953	-8.866	119.774	2249.141
9549_9550	9549	9550	-2933.09	-511.418	-0.953	8.866	-122.614	-718.448
9550_9550	9550	9550	2965.496	-137.412	4.896	-0.644	126.434	711.15
9550_9551	9550	9551	-2962.06	144.563	-4.896	0.644	-154.141	-1509
9551_9551	9551	9551	2964.603	-76.41	-4.593	0.586	151.926	1509.223
9551_9552	9551	9552	-2959.92	86.774	4.593	-0.586	-113.252	-2196.26
9552_9552	9552	9552	2941.944	31.141	0.041	-0.604	108.066	2196.442
9552_9553	9552	9553	-2934.81	-13.502	-0.041	0.604	-108.639	-1882.05
9553_9553	9553	9553	2906.446	121.36	-6.951	1.114	103.669	1881.906
9553_9554	9553	9554	-2903.22	-112.416	6.951	-1.114	-54.741	-1059.12
9554_9554	9554	9554	2899.383	186.823	-6.117	-0.601	54.855	1059.118
9554_9555	9554	9555	-2896.38	-177.797	6.117	0.601	-11.785	224.499
9555_9555	9555	9555	2851.916	279.938	-10.047	0.154	11.408	-223.675
9555_9556	9555	9556	-2847.88	-266.12	10.047	-0.154	95.663	3133.503
9556_9556	9556	9556	2839.561	343.575	-13.11	-0.733	-94.705	-3133.53
9556_9557	9556	9557	-2838.39	-339.106	13.11	0.733	139.556	4301.266
9557_9557	9557	9557	2834.416	356.146	-15.237	-69.093	-141.262	-4323.62
9557_9288	9557	9288	-2832.55	-348.818	15.237	69.093	226.55	6296.651
41000_1000	41000	1000	-0.541	428.201	1.6	-2.803	0	-0.844
41000_1001	41000	1001	0.541	-370.876	-1.6	2.803	-27.21	6795.201
41001_1001	41001	1001	-0.544	370.876	1.599	10.551	27.21	-6795.19
41001_1002	41001	1002	0.544	-334.29	-1.599	-10.551	-44.564	10621.86
41002_1002	41002	1002	-0.637	309.701	-1.6	-2.756	44.564	-10621.1
41002_1003	41002	1003	0.637	-268.599	1.6	2.756	-25.052	14146.61
41003_1003	41003	1003	-0.635	268.599	-1.601	8.776	25.052	-14146.6
41003_1004	41003	1004	0.635	-227.494	1.601	-8.776	-5.533	17171.25
41004_1004	41004	1004	-0.571	207.376	1.024	-6.462	5.533	-17169.9

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41004_1005	41004	1005	0.571	-166.259	-1.024	6.462	-18.021	19448.52
41005_1005	41005	1005	-0.572	166.259	1.023	9.381	18.021	-19448.5
41005_1006	41005	1006	0.572	-125.14	-1.023	-9.381	-30.504	21225.8
41006_1006	41006	1006	-0.588	101.127	0.196	-8.434	30.504	-21224.5
41006_1007	41006	1007	0.588	-60.029	-0.196	8.434	-32.897	22206.92
41007_1007	41007	1007	-0.588	60.029	0.196	9.657	32.897	-22206.9
41007_1008	41007	1008	0.588	-18.927	-0.196	-9.657	-35.285	22688.27
41008_1008	41008	1008	-0.587	-5.696	0.373	-8.298	35.285	-22687.4
41008_1009	41008	1009	0.587	46.777	-0.373	8.298	-39.833	22367.68
41009_1009	41009	1009	-0.587	-46.777	0.373	7.728	39.833	-22367.7
41009_1010	41009	1010	0.587	87.895	-0.373	-7.728	-44.381	21546.34
41010_1010	41010	1010	-0.59	-112.5	0.03	-18.385	44.381	-21545.9
41010_1011	41010	1011	0.59	153.593	-0.03	18.385	-44.747	19924.08
41011_1011	41011	1011	-0.59	-153.593	0.029	16.068	44.747	-19924.1
41011_1012	41011	1012	0.59	194.66	-0.029	-16.068	-45.101	17802.75
41012_1012	41012	1012	-0.591	-220.113	-0.89	4.221	45.101	-17802.7
41012_1013	41012	1013	0.591	261.218	0.89	-4.221	-34.247	14868.06
41013_1013	41013	1013	-0.592	-261.218	-0.89	-7.88	34.247	-14868.1
41013_1014	41013	1014	0.592	302.319	0.89	7.88	-23.399	11432.57
41014_1014	41014	1014	-0.592	-327.44	0.088	-1.113	23.399	-11432.6
41014_1015	41014	1015	0.592	383.848	-0.088	1.113	-24.87	5481.371
41015_1015	41015	1015	3.704	-383.836	0.089	-8.718	24.79	-5481.82
41015_1016	41015	1016	-4.002	410.064	-0.089	8.718	-25.521	2206.997
41016_1016	41016	1016	13.34	-431.828	2.045	-4.59	25.497	-2206.69
41016_1017	41016	1017	-14.572	469.379	-2.045	4.59	-49.527	-3087.28
41017_1017	41017	1017	27.602	-468.799	2.046	-1.598	49.654	3087.063
41017_1018	41017	1018	-30.345	513.83	-2.046	1.598	-76.826	-9607.99
41018_1018	41018	1018	46.305	-530.915	-0.124	-14.649	75.837	9607.811
41018_1019	41018	1019	-50.256	575.209	0.124	14.649	-74.242	-16543.2
41019_1019	41019	1019	66.024	-573.615	-0.123	10.936	77.007	16543.24
41019_1020	41019	1020	-71.5	620.4	0.123	-10.936	-75.397	-24054.8
41020_1020	41020	1020	-2296.18	176.439	-9.509	-4.148	262.419	4534.15
41020_1021	41020	1021	2296.184	-145.433	9.509	4.148	-172.058	-3004.82
41021_1021	41021	1021	-2296.19	145.433	-6.834	0.597	172.058	2966.897
41021_1022	41021	1022	2296.193	-122.252	6.834	-0.597	-119.095	-1929.6
41022_1022	41022	1022	-2296.2	122.252	-3.89	3.071	119.095	1929.6
41022_1023	41022	1023	2296.2	-99.075	3.89	-3.071	-88.953	-1072.07
41023_1023	41023	1023	-2296.18	80.291	-11.018	-0.468	88.953	1072.054
41023_1024	41023	1024	2296.179	-56.364	11.018	0.468	-0.81	-525.453
41024_1024	41024	1024	-2296.18	56.364	-11.018	-0.468	0.81	525.453
41024_1025	41024	1025	2296.179	-32.437	11.018	0.468	87.332	-170.26
41025_1025	41025	1025	-2296.19	28.797	-8.165	-0.256	-87.332	170.261
41025_1026	41025	1026	2296.191	-4.874	8.165	0.256	152.644	-35.601
41026_1026	41026	1026	-2296.19	-12.107	-5.07	-0.909	-152.644	35.6
41026_1027	41026	1027	2296.194	30.042	5.07	0.909	183.047	-161.973
41027_1027	41027	1027	-2296.2	-30.042	-0.849	-0.611	-183.047	161.974
41027_1028	41027	1028	2296.199	48.004	0.849	0.611	188.146	-396.319
41028_1028	41028	1028	-2296.2	-48.004	-1.264	-0.683	-188.146	396.319
41028_1029	41028	1029	2296.199	65.936	1.264	0.683	195.722	-737.875
41029_1029	41029	1029	-2296.2	-65.936	-0.849	-0.55	-195.722	737.875
41029_1030	41029	1030	2296.199	83.898	0.849	0.55	200.821	-1187.77
41030_1030	41030	1030	-2296.19	-100.539	8.057	-1.057	-200.821	1187.779
41030_1031	41030	1031	2296.187	124.453	-8.057	1.057	136.405	-2087.22

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41031_1031	41031	1031	-2296.19	-124.453	8.362	-0.78	-136.405	2087.216
41031_1032	41031	1032	2296.186	148.396	-8.362	0.78	69.469	-3179.33
41032_1032	41032	1032	-2296.19	-148.396	8.057	-1.203	-69.469	3179.329
41032_1033	41032	1033	2296.187	172.31	-8.057	1.203	5.053	-4461.4
41033_1033	41033	1033	-2296.24	-189.252	-3.87	-29.2	-5.053	4461.548
41033_1034	41033	1034	2296.235	212.44	3.87	29.2	35.056	-6018.59
41034_1034	41034	1034	-2296.24	-212.44	-0.924	-21.478	-35.056	6018.625
41034_1035	41034	1035	2296.238	235.624	0.924	21.478	42.218	-7755.19
41035_1035	41035	1035	-2296.14	-235.624	21.09	53.796	-42.218	7794.01
41035_1036	41035	1036	2296.141	266.627	-21.09	-53.796	-158.175	-10180.2
41036_1036	41036	1036	34.442	511.034	0.471	-9.813	-0.039	31293.6
41036_1037	41036	1037	-28.966	-464.257	-0.471	9.813	-5.931	-25159.7
41037_1037	41037	1037	16.196	464.852	0.491	9.98	3.897	25159.68
41037_1038	41037	1038	-12.245	-420.542	-0.491	-9.98	-10.084	-19606.7
41038_1038	41038	1038	-0.318	407.292	-2.441	-2.021	11.032	19607.67
41038_1039	41038	1039	3.061	-362.3	2.441	2.021	21.354	-14505.2
41039_1039	41039	1039	-13.602	362.157	-2.42	14.682	-21.843	14540.56
41039_1040	41039	1040	14.836	-324.518	2.42	-14.682	50.304	-10503.5
41040_1040	41040	1040	-21.455	305.351	2.45	2.501	-49.935	10504.23
41040_1041	41040	1041	21.752	-279.186	-2.45	-2.501	29.719	-8093.02
41041_1041	41041	1041	-24.687	278.829	2.456	3.873	-29.696	8103.62
41041_1042	41041	1042	24.687	-231.637	-2.456	-3.873	-10.36	-3941.15
41042_1042	41042	1042	-24.714	210.475	-0.024	1.765	10.36	3941.261
41042_1043	41042	1043	24.714	-175.806	0.024	-1.765	-10.07	-1627.25
41043_1043	41043	1043	-24.714	175.806	-0.004	3.119	10.07	1627.248
41043_1044	41043	1044	24.714	-141.138	0.004	-3.119	-10.026	271.266
41044_1044	41044	1044	-24.713	116.347	0.055	1.756	10.026	-271.26
41044_1045	41044	1045	24.713	-81.685	-0.055	-1.756	-10.685	1457.326
41045_1045	41045	1045	-24.713	81.685	0.076	0.543	10.685	-1457.33
41045_1046	41045	1046	24.713	-47.024	-0.076	-0.543	-11.59	2228.145
41046_1046	41046	1046	-24.715	24.478	-0.029	0.703	11.59	-2228.2
41046_1047	41046	1047	24.715	10.207	0.029	-0.703	-11.24	2313.722
41047_1047	41047	1047	-24.715	-10.207	-0.01	-1.073	11.24	-2313.72
41047_1048	41047	1048	24.715	44.861	0.01	1.073	-11.117	1983.992
41048_1048	41048	1048	-24.718	-66.791	-0.199	-0.553	11.117	-1984.02
41048_1049	41048	1049	24.718	101.471	0.199	0.553	-8.735	975.741
41049_1049	41049	1049	-24.718	-101.471	-0.159	-2.116	8.735	-975.739
41049_1050	41049	1050	24.718	136.119	0.159	2.116	-6.829	-446.607
41050_1050	41050	1050	-24.734	-156.488	-1.352	-3.821	6.829	446.639
41050_1051	41050	1051	24.734	203.637	1.352	3.821	15.206	-3380.49
41051_1051	41051	1051	-22.272	-204.011	-1.317	1.046	-15.189	3377.145
41051_1052	41051	1052	21.994	228.459	1.317	-1.046	26.04	-5159.24
41052_1052	41052	1052	-16.217	-248.342	1.477	-7.571	-26.268	5159.249
41052_1053	41052	1053	15.064	283.485	-1.477	7.571	8.911	-8284.91
41053_1053	41053	1053	-6.933	-283.918	1.507	5.588	-8.352	8278.571
41053_1054	41053	1054	4.22	328.332	-1.507	-5.588	-11.661	-12341.6
41054_1054	41054	1054	6.527	-343.883	0.96	-6.574	10.789	12341.65
41054_1055	41054	1055	-10.422	387.457	-0.96	6.574	-22.796	-16928.8
41055_1055	41055	1055	21.141	-387.078	0.981	7.105	24.299	16928.84
41055_1056	41055	1056	-26.517	432.942	-0.981	-7.105	-36.594	-22090.4
41056_1056	41056	1056	-1901.35	246.476	-4.333	-1.265	87.389	7256.23
41056_1057	41056	1057	1901.354	-215.812	4.333	1.265	-46.226	-5060.3
41057_1057	41057	1057	-1901.36	215.812	-2.974	2.471	46.226	5028.495

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41057_1058	41057	1058	1901.357	-191.271	2.974	-2.471	-23.191	-3451.83
41058_1058	41058	1058	-1901.36	191.271	-2.974	2.471	23.191	3451.83
41058_1059	41058	1059	1901.357	-166.73	2.974	-2.471	-0.155	-2065.27
41059_1059	41059	1059	-1901.42	148.983	-8.873	0.15	0.155	2065.295
41059_1060	41059	1060	1901.418	-123.618	8.873	-0.15	70.882	-974.039
41060_1060	41060	1060	-1901.43	119.978	-6.651	1.289	-70.882	974.038
41060_1061	41060	1061	1901.427	-94.646	6.651	-1.289	124.061	-116.011
41061_1061	41061	1061	-1901.43	94.646	-4.132	1.442	-124.061	116.009
41061_1062	41061	1062	1901.434	-69.284	4.132	-1.442	157.135	540.122
41062_1062	41062	1062	-1901.4	52.991	-2.13	2.112	-157.135	-540.125
41062_1063	41062	1063	1901.404	-33.977	2.13	-2.112	169.917	801.09
41063_1063	41063	1063	-1901.41	33.977	0.842	0.86	-169.917	-801.092
41063_1064	41063	1064	1901.405	-14.997	-0.842	-0.86	164.87	947.788
41064_1064	41064	1064	-1901.41	14.997	1.033	0.765	-164.87	-947.788
41064_1065	41064	1065	1901.405	4.015	-1.033	-0.765	158.672	980.737
41065_1065	41065	1065	-1901.4	-4.015	4.196	-0.866	-158.672	-980.737
41065_1066	41065	1066	1901.4	23.025	-4.196	0.866	133.494	899.614
41066_1066	41066	1066	-1901.37	-39.621	5.827	1.049	-133.494	-899.635
41066_1067	41066	1067	1901.37	64.979	-5.827	-1.049	86.858	481.035
41067_1067	41067	1067	-1901.36	-64.979	8.198	0.449	-86.858	-481.036
41067_1068	41067	1068	1901.361	90.335	-8.198	-0.449	21.243	-140.469
41068_1068	41068	1068	-1901.36	-90.335	8.062	0.439	-21.243	140.47
41068_1069	41068	1069	1901.362	115.659	-8.062	-0.439	-43.197	-963.749
41069_1069	41069	1069	-1901.41	-132.833	7.791	-0.432	43.197	963.794
41069_1070	41069	1070	1901.411	157.392	-7.791	0.432	-103.592	-2088.7
41070_1070	41070	1070	-1901.41	-157.392	7.791	-0.432	103.592	2088.697
41070_1071	41070	1071	1901.411	181.952	-7.791	0.432	-163.986	-3403.99
41071_1071	41071	1071	-1901.41	-181.952	9.124	2.357	163.986	3434.463
41071_1072	41071	1072	1901.405	212.597	-9.124	-2.357	-250.612	-5307.44
41072_1072	41072	1072	31.757	481.221	-1.441	-2.924	62.234	19835.33
41072_1073	41072	1073	-26.38	-435.36	1.441	2.924	-44.142	-14067.1
41073_1073	41073	1073	14.405	435.868	-1.422	6.473	43.048	14067.07
41073_1074	41073	1074	-10.51	-392.301	1.422	-6.473	-25.237	-8873.85
41074_1074	41074	1074	-1.413	377.259	-1.432	3.442	25.566	8874.149
41074_1075	41074	1075	4.126	-332.861	1.432	-3.442	-6.555	-4163.62
41075_1075	41075	1075	-14.08	332.501	-1.402	11.967	6.434	4165.129
41075_1076	41075	1076	15.215	-297.904	1.402	-11.967	10.047	-458.788
41076_1076	41076	1076	-21.402	275.074	1.852	3.465	-9.814	458.989
41076_1077	41076	1077	21.676	-250.994	-1.852	-3.465	-5.468	1711.037
41077_1077	41077	1077	-24.35	250.646	1.883	1.886	5.511	-1705.86
41077_1078	41077	1078	24.35	-205.236	-1.883	-1.886	-33.436	5085.437
41078_1078	41078	1078	-24.373	185.51	-0.311	5.614	33.436	-5085.53
41078_1079	41078	1079	24.373	-151.049	0.311	-5.614	-29.938	6979.02
41079_1079	41079	1079	-24.373	151.049	-0.288	-0.863	29.938	-6979.02
41079_1080	41079	1080	24.373	-116.558	0.288	0.863	-26.692	8485.858
41080_1080	41080	1080	-24.373	95.938	-0.182	5.484	26.692	-8486.1
41080_1081	41080	1081	24.373	-61.45	0.182	-5.484	-24.641	9372.253
41081_1081	41081	1081	-24.373	61.45	-0.161	-2.831	24.641	-9372.26
41081_1082	41081	1082	24.373	-26.964	0.161	2.831	-22.833	9870.037
41082_1082	41082	1082	-24.374	4.688	-0.209	8.225	22.833	-9870.32
41082_1083	41082	1083	24.374	32.372	0.209	-8.225	-20.298	9702.827
41083_1083	41083	1083	-24.374	-32.372	-0.169	-7.8	20.298	-9702.83
41083_1084	41083	1084	24.374	69.429	0.169	7.8	-18.251	9086.958

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41084_1084	41084	1084	-24.373	-91.333	-0.044	6.052	18.251	-9087.18
41084_1085	41084	1085	24.373	125.815	0.044	-6.052	-17.76	7864.789
41085_1085	41085	1085	-24.373	-125.815	0	-7.91	17.76	-7864.79
41085_1086	41085	1086	24.373	160.294	0	7.91	-17.756	6254.302
41086_1086	41086	1086	-24.381	-180.53	-0.749	1.806	17.756	-6254.41
41086_1087	41086	1087	24.381	215.01	0.749	-1.806	-9.319	4027.945
41087_1087	41087	1087	-24.382	-215.01	-0.706	-5.345	9.319	-4027.94
41087_1088	41087	1088	24.382	249.487	0.706	5.345	-1.37	1413.499
41088_1088	41088	1088	-24.387	-267.561	-0.91	-2.774	1.37	-1413.55
41088_1089	41088	1089	24.387	311.229	0.91	2.774	11.611	-2712.66
41089_1089	41089	1089	-20.804	-311.567	-0.917	-3.216	-11.638	2702.742
41089_1090	41089	1090	20.518	336.784	0.917	3.216	19.205	-5378.85
41090_1090	41090	1090	-12.552	-358.633	0.502	-7.142	-19.373	5378.855
41090_1091	41090	1091	11.365	394.802	-0.502	7.142	13.477	-9805.66
41091_1091	41091	1091	-0.254	-395.087	0.515	0.953	-13.214	9805.912
41091_1092	41091	1092	-2.432	439.167	-0.515	-0.953	6.366	-15339.9
41092_1092	41092	1092	16.003	-453.053	1.037	-17.339	-7.936	15340.07
41092_1093	41092	1093	-19.862	496.351	-1.037	17.339	-5.05	-21297.9
41093_1093	41093	1093	33.602	-495.662	1.075	15.843	8.463	21297.93
41093_1094	41093	1094	-38.933	541.18	-1.075	-15.843	-21.939	-27817
41094_1094	41094	1094	-2254.1	216.088	-2.533	-4.765	5.029	7971.563
41094_1095	41094	1095	2254.096	-185.64	2.533	4.765	19.045	-6062.64
41095_1095	41095	1095	-2254.1	185.64	-1.921	-2.956	-19.045	6062.688
41095_1096	41095	1096	2254.096	-161.393	1.921	2.956	33.942	-4717.44
41096_1096	41096	1096	-2254.09	161.393	3.82	9.06	-33.942	4717.432
41096_1097	41096	1097	2254.094	-137.18	-3.82	-9.06	4.363	-3561.61
41097_1097	41097	1097	-2254.16	120.505	-4.359	-2.307	-4.363	3561.693
41097_1098	41097	1098	2254.158	-95.478	4.359	2.307	39.247	-2697.49
41098_1098	41098	1098	-2254.16	95.478	-1.543	1.062	-39.247	2697.49
41098_1099	41098	1099	2254.162	-70.452	1.543	-1.062	51.596	-2033.58
41099_1099	41099	1099	-2254.16	70.452	-1.543	1.062	-51.596	2033.583
41099_1100	41099	1100	2254.162	-45.425	1.543	-1.062	63.946	-1569.94
41100_1100	41100	1100	-2254.06	30.159	12.245	7.655	-63.946	1569.901
41100_1101	41100	1101	2254.058	-11.39	-12.245	-7.655	-9.539	-1445.22
41101_1101	41101	1101	-2254.06	11.39	12.163	7.603	9.539	1445.225
41101_1102	41101	1102	2254.059	7.348	-12.163	-7.603	-82.413	-1433.11
41102_1102	41102	1102	-2254.05	-7.348	-14.033	-9.052	82.413	1433.106
41102_1103	41102	1103	2254.048	26.122	14.033	9.052	1.83	-1533.57
41103_1103	41103	1103	-2254.07	-26.122	-10.28	-6.499	-1.83	1533.584
41103_1104	41103	1104	2254.068	44.896	10.28	6.499	63.541	-1746.75
41104_1104	41104	1104	-2254.06	-60.143	0.279	-2.056	-63.541	1746.744
41104_1105	41104	1105	2254.057	85.143	-0.279	2.056	61.307	-2327.45
41105_1105	41105	1105	-2254.06	-85.143	3.182	0.941	-61.307	2327.446
41105_1106	41105	1106	2254.055	110.174	-3.182	-0.941	35.837	-3109.07
41106_1106	41106	1106	-2254.06	-110.174	3.182	0.941	-35.837	3109.065
41106_1107	41106	1107	2254.055	135.204	-3.182	-0.941	10.366	-4091.02
41107_1107	41107	1107	-2254.07	-151.452	0.318	-3.043	-10.366	4091.056
41107_1108	41107	1108	2254.074	175.668	-0.318	3.043	7.902	-5357.53
41108_1108	41108	1108	-2254.07	-175.668	0.401	-2.847	-7.902	5357.525
41108_1109	41108	1109	2254.074	199.916	-0.401	2.847	4.795	-6813.5
41109_1109	41109	1109	-2254.07	-199.916	2.695	4.304	-4.795	6813.444
41109_1110	41109	1110	2254.073	230.364	-2.695	-4.304	-20.818	-8858.04
41110_1110	41110	1110	29.935	527.982	-0.868	-17.348	29.066	28880.41

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41110_1111	41110	1111	-24.604	-482.466	0.868	17.348	-18.201	-22528.1
41111_1111	41111	1111	11.001	479.274	-0.817	18.499	14.441	22528.13
41111_1112	41111	1112	-7.142	-435.982	0.817	-18.499	-4.218	-16785.7
41112_1112	41112	1112	-5.754	424.007	-0.795	-1.564	5.937	16786.06
41112_1113	41112	1113	8.44	-379.903	0.795	1.564	4.623	-11450.6
41113_1113	41113	1113	-19.587	379.344	-0.755	14.22	-5.094	11437.88
41113_1114	41113	1114	20.771	-343.278	0.755	-14.22	13.97	-7193.43
41114_1114	41114	1114	-27.894	325.179	1.306	-2.8	-13.608	7193.642
41114_1115	41114	1115	28.18	-300.036	-1.306	2.8	2.828	-4613.92
41115_1115	41115	1115	-31.366	299.627	1.375	7.372	-2.835	4629.345
41115_1116	41115	1116	31.366	-256.695	-1.375	-7.372	-17.475	-520.112
41116_1116	41116	1116	-31.366	237.514	-0.373	3.734	17.475	520.108
41116_1117	41116	1117	31.366	-204.814	0.373	-3.734	-13.282	1968.418
41117_1117	41117	1117	-31.367	204.814	-0.345	1.985	13.282	-1968.42
41117_1118	41117	1118	31.367	-172.115	0.345	-1.985	-9.403	4088.981
41118_1118	41118	1118	-31.367	152.621	-0.096	6.942	9.403	-4088.99
41118_1119	41118	1119	31.367	-119.894	0.096	-6.942	-8.319	5623.462
41119_1119	41119	1119	-31.367	119.894	-0.041	-2.969	8.319	-5623.47
41119_1120	41119	1120	31.367	-87.196	0.041	2.969	-7.858	6788.478
41120_1120	41120	1120	-31.367	65.707	-0.116	3.908	7.858	-6788.49
41120_1121	41120	1121	31.367	-30.539	0.116	-3.908	-6.45	7370.836
41121_1121	41121	1121	-31.367	30.539	-0.091	-2.101	6.45	-7370.84
41121_1122	41121	1122	31.367	4.599	0.091	2.101	-5.351	7527.662
41122_1122	41122	1122	-31.367	-25.899	-0.065	2.696	5.351	-7527.66
41122_1123	41122	1123	31.367	58.624	0.065	-2.696	-4.62	7051.768
41123_1123	41123	1123	-31.367	-58.624	-0.037	-3.499	4.62	-7051.77
41123_1124	41123	1124	31.367	91.319	0.037	3.499	-4.199	6208.29
41124_1124	41124	1124	-31.368	-114.303	-0.333	2.624	4.199	-6208.29
41124_1125	41124	1125	31.368	147.028	0.333	-2.624	-0.445	4736.923
41125_1125	41125	1125	-31.368	-147.028	-0.278	-5.756	0.445	-4736.92
41125_1126	41125	1126	31.368	179.723	0.278	5.756	2.681	2898.888
41126_1126	41126	1126	-31.37	-196.499	-2.161	-3.123	-2.681	-2898.89
41126_1127	41126	1127	31.37	237.041	2.161	3.123	32.826	-125.131
41127_1127	41127	1127	-28.574	-237.456	-2.126	-2.11	-32.845	115.454
41127_1128	41127	1128	28.307	260.911	2.126	2.11	50.386	-2171.34
41128_1128	41128	1128	-22.046	-277.055	2.129	-9.724	-50.654	2171.299
41128_1129	41128	1129	20.94	310.748	-2.129	9.724	25.623	-5626.18
41129_1129	41129	1129	-12.125	-311.344	2.195	6.808	-24.945	5628.571
41129_1130	41129	1130	9.502	354.39	-2.195	-6.808	-4.204	-10045.8
41130_1130	41130	1130	3.194	-386.823	-3.994	-8.843	3.055	10045.77
41130_1131	41130	1131	-6.965	429.115	3.994	8.843	47.136	-15163.7
41131_1131	41131	1131	18.776	-428.807	-3.969	4.525	-45.936	15163.69
41131_1132	41131	1132	-23.992	473.392	3.969	-4.525	96.025	-20842.8
41132_1132	41132	1132	-1889.44	206.076	28.058	18.37	-295.37	5797.278
41132_1133	41132	1133	1889.444	-176.39	-28.058	-18.37	28.815	-3980.56
41133_1133	41133	1133	-1889.48	176.39	25.62	14.604	-28.815	3996.941
41133_1134	41133	1134	1889.479	-153.884	-25.62	-14.604	-169.744	-2717.13
41134_1134	41134	1134	-1889.65	153.884	-3.635	-27.464	169.744	2717.032
41134_1135	41134	1135	1889.649	-131.374	3.635	27.464	-141.569	-1611.5
41135_1135	41135	1135	-1889.75	110.937	-3.744	0.748	141.569	1612.074
41135_1136	41135	1136	1889.747	-87.7	3.744	-0.748	-111.612	-817.366
41136_1136	41136	1136	-1889.74	87.7	-6.105	-0.273	111.612	817.366
41136_1137	41136	1137	1889.741	-64.463	6.105	0.273	-62.76	-208.576

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41137_1137	41137	1137	-1889.75	64.463	-3.744	-0.013	62.76	208.576
41137_1138	41137	1138	1889.747	-41.226	3.744	0.013	-32.802	214.263
41138_1138	41138	1138	-1889.83	25.503	-2.907	0.297	32.802	-214.264
41138_1139	41138	1139	1889.826	-8.104	2.907	-0.297	-15.386	314.942
41139_1139	41139	1139	-1889.83	8.104	0.31	-0.239	15.386	-314.942
41139_1140	41139	1140	1889.828	9.324	-0.31	0.239	-17.244	311.283
41140_1140	41140	1140	-1889.83	-9.324	0.31	-0.239	17.244	-311.283
41140_1141	41140	1141	1889.828	26.751	-0.31	0.239	-19.103	203.038
41141_1141	41141	1141	-1889.83	-26.751	-2.839	0.099	19.103	-203.038
41141_1142	41141	1142	1889.826	44.179	2.839	-0.099	-2.068	-9.804
41142_1142	41142	1142	-1889.83	-63.744	0.246	0.166	2.068	9.804
41142_1143	41142	1143	1889.827	86.981	-0.246	-0.166	-4.039	-612.823
41143_1143	41143	1143	-1889.83	-86.981	0.246	0.166	4.039	612.823
41143_1144	41143	1144	1889.827	110.217	-0.246	-0.166	-6.011	-1401.77
41144_1144	41144	1144	-1889.83	-110.217	-2.115	-1.585	6.011	1401.772
41144_1145	41144	1145	1889.826	133.455	2.115	1.585	10.912	-2376.68
41145_1145	41145	1145	-1889.81	-149.57	-1.718	-1.915	-10.912	2376.646
41145_1146	41145	1146	1889.812	172.052	1.718	1.915	24.215	-3621.59
41146_1146	41146	1146	-1889.81	-172.052	-1.668	-1.818	-24.215	3621.587
41146_1147	41146	1147	1889.812	194.563	1.668	1.818	37.146	-5042.52
41147_1147	41147	1147	-1889.81	-194.563	-0.449	2.186	-37.146	5027.249
41147_1148	41147	1148	1889.813	224.255	0.449	-2.186	41.415	-7017.03
41148_1148	41148	1148	-10.567	441.261	-1.782	-6.029	8.997	22203.24
41148_1149	41148	1149	15.783	-396.702	1.782	6.029	13.395	-16932.1
41149_1149	41149	1149	-26.685	396.075	-1.734	7.542	-14.767	16932.06
41149_1150	41149	1150	30.456	-353.808	1.734	-7.542	36.485	-12231.7
41150_1150	41150	1150	-41.265	338.931	0.883	0.713	-35.792	12231.79
41150_1151	41150	1151	43.888	-295.875	-0.883	-0.713	24.069	-8019.16
41151_1151	41151	1151	-52.837	294.382	0.927	6.309	-24.172	8005.964
41151_1152	41151	1152	53.955	-260.283	-0.927	-6.309	13.273	-4745.55
41152_1152	41152	1152	-59.288	240.918	0.388	2.084	-13.14	4745.481
41152_1153	41152	1153	59.558	-217.178	-0.388	-2.084	9.938	-2855.39
41153_1153	41153	1153	-61.804	216.438	0.402	2.79	-9.919	2857.175
41153_1154	41153	1154	61.804	-177.901	-0.402	-2.79	4.394	-147.504
41154_1154	41154	1154	-61.804	159.711	0.33	2.512	-4.394	147.502
41154_1155	41154	1155	61.804	-128.859	-0.33	-2.512	0.768	1439.98
41155_1155	41155	1155	-61.803	128.859	0.386	1.203	-0.768	-1439.98
41155_1156	41155	1156	61.803	-98.008	-0.386	-1.203	-3.476	2688.001
41156_1156	41156	1156	-61.8	80.204	0.123	2.541	3.476	-2688.02
41156_1157	41156	1157	61.8	-52.101	-0.123	-2.541	-4.709	3351.017
41157_1157	41157	1157	-61.799	52.101	0.183	-0.736	4.709	-3351.02
41157_1158	41157	1158	61.799	-24.027	-0.183	0.736	-6.544	3732.113
41158_1158	41158	1158	-61.797	6.879	-0.022	1.653	6.544	-3732.14
41158_1159	41158	1159	61.797	21.224	0.022	-1.653	-6.324	3660.253
41159_1159	41159	1159	-61.797	-21.224	0.038	-1.926	6.324	-3660.25
41159_1160	41159	1160	61.797	49.298	-0.038	1.926	-6.709	3307.218
41160_1160	41160	1160	-61.792	-66.652	-0.265	-1.221	6.709	-3307.27
41160_1161	41160	1161	61.792	97.504	0.265	1.221	-3.79	2404.215
41161_1161	41161	1161	-61.792	-101.144	-0.265	-1.221	3.79	-2404.22
41161_1162	41161	1162	61.792	131.995	0.265	1.221	-0.872	1121.672
41162_1162	41162	1162	-61.781	-148.088	-0.75	-2.108	0.872	-1121.68
41162_1163	41162	1163	61.781	186.624	0.75	2.108	9.43	-1178.27
41163_1163	41163	1163	-59.554	-187.364	-0.764	-2.403	-9.449	1177.005

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41163_1164	41163	1164	59.284	211.104	0.764	2.403	15.751	-2821.09
41164_1164	41164	1164	-54.051	-228.458	-0.627	-4.092	-15.828	2821.045
41164_1165	41164	1165	52.933	262.556	0.627	4.092	23.193	-5707.54
41165_1165	41165	1165	-45.453	-264.035	-0.624	-0.939	-23.163	5711.646
41165_1166	41165	1166	42.846	306.839	0.624	0.939	31.426	-9500.03
41166_1166	41166	1166	-32.797	-323.426	2.217	-7.304	-32.038	9499.967
41166_1167	41166	1167	29.047	365.457	-2.217	7.304	4.27	-13818.3
41167_1167	41167	1167	-18.942	-366.147	2.268	3.997	-3.149	13818.35
41167_1168	41167	1168	13.754	410.468	-2.268	-3.997	-25.332	-18704
41168_1168	41168	1168	-1682.78	220.737	-3.508	-0.999	71.207	6157.213
41168_1169	41168	1169	1682.779	-191.224	3.508	0.999	-37.87	-4199.96
41169_1169	41169	1169	-1682.78	191.224	-2.823	1.699	37.87	4219.763
41169_1170	41169	1170	1682.781	-168.63	2.823	-1.699	-15.987	-2825.03
41170_1170	41170	1170	-1682.78	168.63	-2.823	1.699	15.987	2825.03
41170_1171	41170	1171	1682.781	-146.036	2.823	-1.699	5.896	-1605.44
41171_1171	41171	1171	-1682.83	128.668	0.576	1.004	-5.896	1605.405
41171_1172	41171	1172	1682.828	-105.345	-0.576	-1.004	1.285	-669.165
41172_1172	41172	1172	-1682.83	105.345	-1.571	0.15	-1.285	669.166
41172_1173	41172	1173	1682.828	-82.051	1.571	-0.15	13.84	79.65
41173_1173	41173	1173	-1682.83	82.051	0.576	0.048	-13.84	-79.65
41173_1174	41173	1174	1682.828	-58.728	-0.576	-0.048	9.229	642.877
41174_1174	41174	1174	-1682.83	41.938	0.833	-0.168	-9.229	-642.881
41174_1175	41174	1175	1682.833	-24.446	-0.833	0.168	4.229	842.073
41175_1175	41175	1175	-1682.83	24.446	-1.97	1.235	-4.229	-842.072
41175_1176	41175	1176	1682.832	-6.953	1.97	-1.235	16.054	936.291
41176_1176	41176	1176	-1682.83	6.953	0.833	-0.325	-16.054	-936.292
41176_1177	41176	1177	1682.833	10.539	-0.833	0.325	11.055	925.531
41177_1177	41177	1177	-1682.83	-10.539	0.833	-0.325	-11.055	-925.531
41177_1178	41177	1178	1682.833	28.031	-0.833	0.325	6.055	809.796
41178_1178	41178	1178	-1682.84	-44.778	-0.891	0.056	-6.055	-809.81
41178_1179	41178	1179	1682.842	68.073	0.891	-0.056	13.175	358.869
41179_1179	41179	1179	-1682.84	-68.073	1.257	-0.402	-13.175	-358.869
41179_1180	41179	1180	1682.842	91.396	-1.257	0.402	3.12	-279.131
41180_1180	41180	1180	-1682.84	-91.396	1.257	-0.402	-3.12	279.131
41180_1181	41180	1181	1682.842	114.718	-1.257	0.402	-6.934	-1103.75
41181_1181	41181	1181	-1682.88	-131.876	2.213	-0.865	6.934	1103.756
41181_1182	41181	1182	1682.882	154.47	-2.213	0.865	-24.092	-2213.58
41182_1182	41182	1182	-1682.88	-158.11	2.213	-0.865	24.092	2213.583
41182_1183	41182	1183	1682.882	180.705	-2.213	0.865	-41.25	-3526.77
41183_1183	41183	1183	-1682.88	-180.705	1.528	-1.377	41.25	3509.193
41183_1184	41183	1184	1682.883	210.218	-1.528	1.377	-55.769	-5366.49
41184_1184	41184	1184	-16.028	417.122	-2.172	6.504	16.073	17792.73
41184_1185	41184	1185	21.216	-372.836	2.172	-6.504	11.185	-12827.6
41185_1185	41185	1185	-31.522	372.061	-2.222	-3.207	-10.081	12827.64
41185_1186	41185	1186	35.272	-329.996	2.222	3.207	37.935	-8423.56
41186_1186	41186	1186	-45.461	313.974	0.725	1.067	-38.257	8423.557
41186_1187	41186	1187	48.068	-271.17	-0.725	-1.067	28.643	-4540.66
41187_1187	41187	1187	-56.354	269.621	0.722	2.433	-28.617	4540.64
41187_1188	41187	1188	57.493	-234.904	-0.722	-2.433	20.131	-1575.02
41188_1188	41188	1188	-62.305	214.184	0.793	1.955	-20.083	1575.008
41188_1189	41188	1189	62.58	-190.039	-0.793	-1.955	13.55	90.782
41189_1189	41189	1189	-64.525	189.239	0.763	1.971	-13.541	-99.915
41189_1190	41189	1190	64.525	-148.549	-0.763	-1.971	3.048	2422.724

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41190_1190	41190	1190	-64.517	130.007	0.471	-0.345	-3.048	-2422.72
41190_1191	41190	1191	64.517	-97.455	-0.471	0.345	-2.137	3674.009
41191_1191	41191	1191	-64.518	97.455	0.413	2.993	2.137	-3674.01
41191_1192	41191	1192	64.518	-64.903	-0.413	-2.993	-6.677	4567.174
41192_1192	41192	1192	-64.509	45.859	-0.025	2.525	6.677	-4567.17
41192_1193	41192	1193	64.509	-15.941	0.025	-2.525	-6.419	4879.634
41193_1193	41193	1193	-64.509	15.941	0.038	-2.3	6.419	-4879.63
41193_1194	41193	1194	64.509	13.977	-0.038	2.3	-6.807	4889.562
41194_1194	41194	1194	-64.49	-32.36	-0.837	-1.184	6.807	-4889.65
41194_1195	41194	1195	64.49	62.278	0.837	1.184	1.655	4411.152
41195_1195	41195	1195	-64.49	-62.278	-0.837	-1.184	-1.655	-4411.15
41195_1196	41195	1196	64.49	92.196	0.837	1.184	10.116	3630.116
41196_1196	41196	1196	-64.512	-111.486	0.025	-3.304	-10.116	-3630.1
41196_1197	41196	1197	64.512	144.038	-0.025	3.304	9.84	2224.435
41197_1197	41197	1197	-64.512	-144.038	-0.035	-1.241	-9.84	-2224.44
41197_1198	41197	1198	64.512	176.56	0.035	1.241	10.223	462.367
41198_1198	41198	1198	-64.475	-198.374	-1.367	-3.151	-10.223	-462.41
41198_1199	41198	1199	64.475	239.063	1.367	3.151	29.016	-2545.59
41199_1199	41199	1199	-61.606	-239.877	-1.382	-3.864	-29.048	2565.44
41199_1200	41199	1200	61.317	264.892	1.382	3.864	40.453	-4648.14
41200_1200	41200	1200	-54.814	-285.389	1.479	-6.106	-40.566	4648.045
41200_1201	41200	1201	53.614	321.304	-1.479	6.106	23.173	-8214.72
41201_1201	41201	1201	-44.404	-322.786	1.481	-0.283	-23.059	8207.341
41201_1202	41201	1202	41.555	368.881	-1.481	0.283	3.385	-12794.4
41202_1202	41202	1202	-29.274	-389.428	0.207	-0.991	-3.389	12794.51
41202_1203	41202	1203	25.197	434.632	-0.207	0.991	0.839	-17965.1
41203_1203	41203	1203	-13.138	-435.211	0.207	-1.028	-0.863	17965.12
41203_1204	41203	1204	7.529	482.672	-0.207	1.028	-1.673	-23740.6
41204_1204	41204	1204	-2070.72	234.176	3.335	3.364	-30.223	7571.577
41204_1205	41204	1205	2070.722	-202.278	-3.335	-3.364	-1.464	-5498.01
41205_1205	41205	1205	-2070.72	202.278	1.944	-0.171	1.464	5251.632
41205_1206	41205	1206	2070.724	-177.769	-1.944	0.171	-16.515	-3780.54
41206_1206	41206	1206	-2070.72	177.769	1.999	-0.07	16.515	3780.538
41206_1207	41206	1207	2070.724	-153.228	-1.999	0.07	-32.014	-2497.65
41207_1207	41207	1207	-2070.52	133.266	-6.795	-0.259	32.014	2497.687
41207_1208	41207	1208	2070.518	-107.933	6.795	0.259	22.355	-1532.67
41208_1208	41208	1208	-2070.53	107.933	-4.208	1.656	-22.355	1532.673
41208_1209	41208	1209	2070.525	-82.601	4.208	-1.656	56.023	-770.382
41209_1209	41209	1209	-2070.53	82.601	-4.208	1.656	-56.023	770.382
41209_1210	41209	1210	2070.525	-57.27	4.208	-1.656	89.69	-210.786
41210_1210	41210	1210	-2070.66	39.47	-2.55	0.729	-89.69	210.772
41210_1211	41210	1211	2070.657	-20.471	2.55	-0.729	104.993	-30.908
41211_1211	41211	1211	-2070.66	20.471	0.9	0.78	-104.993	30.906
41211_1212	41211	1212	2070.659	-1.472	-0.9	-0.78	99.594	34.934
41212_1212	41212	1212	-2070.66	1.472	0.831	0.781	-99.594	-34.934
41212_1213	41212	1213	2070.659	17.495	-0.831	-0.781	94.618	-13.066
41213_1213	41213	1213	-2070.66	-17.495	-2.55	0.76	-94.618	13.067
41213_1214	41213	1214	2070.657	36.495	2.55	-0.76	109.921	-175.077
41214_1214	41214	1214	-2070.8	-54.542	6.303	0.486	-109.921	175.061
41214_1215	41214	1215	2070.795	79.874	-6.303	-0.486	59.485	-712.834
41215_1215	41215	1215	-2070.8	-79.874	3.716	-0.404	-59.485	712.834
41215_1216	41215	1216	2070.801	105.207	-3.716	0.404	29.752	-1453.33
41216_1216	41216	1216	-2070.8	-105.207	6.303	1.412	-29.752	1453.324

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41216_1217	41216	1217	2070.795	130.538	-6.303	-1.412	-20.684	-2396.49
41217_1217	41217	1217	-2070.71	-149.487	1.506	-1.428	20.684	2396.459
41217_1218	41217	1218	2070.706	174.028	-1.506	1.428	-32.358	-3650.35
41218_1218	41218	1218	-2070.71	-174.028	1.451	-1.525	32.358	3650.346
41218_1219	41218	1219	2070.706	198.537	-1.451	1.525	-43.589	-5092.48
41219_1219	41219	1219	-2070.71	-198.537	2.841	2.768	43.589	5340.341
41219_1220	41219	1220	2070.705	230.435	-2.841	-2.768	-70.588	-7378.36
41220_1220	41220	1220	11.368	493.222	0.896	-41.706	29.164	23686.59
41220_1221	41220	1221	-5.76	-445.764	-0.896	41.706	-40.49	-17779.4
41221_1221	41221	1221	-6.529	445.685	1.117	42.141	31.459	17779.44
41221_1222	41221	1222	10.607	-400.488	-1.117	-42.141	-45.518	-12471.3
41222_1222	41222	1222	-22.606	387.058	-1.116	-2.936	49.416	12469.85
41222_1223	41222	1223	25.455	-340.935	1.116	2.936	-34.57	-7639.24
41223_1223	41223	1223	-35.849	339.985	-0.938	31.011	33.622	7648.627
41223_1224	41223	1224	37.069	-303.468	0.938	-31.011	-22.596	-3866.9
41224_1224	41224	1224	-43.393	282.17	0.594	-0.932	23.265	3866.395
41224_1225	41224	1225	43.688	-256.732	-0.594	0.932	-28.167	-1643.35
41225_1225	41225	1225	-46.366	256.104	0.763	4.748	28.199	1632.357
41225_1226	41225	1226	46.366	-203.913	-0.763	-4.748	-40.722	2142.086
41226_1226	41226	1226	-46.337	180.582	-0.356	12.748	40.722	-2141.77
41226_1227	41226	1227	46.337	-141.334	0.356	-12.748	-36.334	4128.018
41227_1227	41227	1227	-46.338	141.334	-0.13	-7.355	36.334	-4128.03
41227_1228	41227	1228	46.338	-102.117	0.13	7.355	-34.732	5628.982
41228_1228	41228	1228	-46.303	77.391	-1.079	11.471	34.732	-5627.74
41228_1229	41228	1229	46.303	-35.981	1.079	-11.471	-21.417	6327.296
41229_1229	41229	1229	-46.306	35.981	-0.928	-9.118	21.417	-6327.3
41229_1230	41229	1230	46.306	5.397	0.928	9.118	-9.971	6515.871
41230_1230	41230	1230	-46.407	-30.244	1.51	8.6	9.971	-6513.59
41230_1231	41230	1231	46.407	71.626	-1.51	-8.6	-28.599	5885.424
41231_1231	41231	1231	-46.402	-71.626	1.662	-10.599	28.599	-5885.42
41231_1232	41231	1232	46.402	112.977	-1.662	10.599	-49.079	4747.93
41232_1232	41232	1232	-46.461	-139.359	3.345	4.434	49.079	-4746.66
41232_1233	41232	1233	46.461	172.523	-3.345	-4.434	-82.144	3205.383
41233_1233	41233	1233	-46.45	-172.523	3.493	-5.772	82.144	-3205.38
41233_1234	41233	1234	46.45	211.028	-3.493	5.772	-122.23	1004.689
41234_1234	41234	1234	-45.202	-211.334	3.703	-10.867	122.172	-1005.36
41234_1235	41234	1235	45.143	222.053	-3.703	10.867	-133.806	324.515
41235_1235	41235	1235	-38.889	-241.422	-2.838	-5.077	133.792	-344.512
41235_1236	41235	1236	38.179	266.149	2.838	5.077	-113.515	-1469.39
41236_1236	41236	1236	-39.003	-266.014	-2.743	-1.733	113.597	1469.394
41236_1237	41236	1237	38.131	299.872	2.743	1.733	-86.942	-4219.49
41237_1237	41237	1237	-30.414	-300.816	-2.616	5.966	87.397	4211.038
41237_1238	41237	1238	29.429	320.055	2.616	-5.966	-74.901	-5694.99
41238_1238	41238	1238	-23.083	-338.804	2.061	-15.022	73.661	5692.885
41238_1239	41238	1239	20.1	382.745	-2.061	15.022	-95.842	-9568.54
41239_1239	41239	1239	-10.951	-383.175	2.195	9.998	97.996	9568.517
41239_1240	41239	1240	6.722	429.277	-2.195	-9.998	-122.13	-14022.8
41240_1240	41240	1240	8.835	-452.272	-22.849	-29.734	118.223	14015.84
41240_1241	41240	1241	-14.908	504.219	22.849	29.734	154.203	-19712.5
41241_1241	41241	1241	-1986.23	283.61	-5.002	22.971	252.612	6283.95
41241_1242	41241	1242	1986.227	-246.114	5.002	-22.971	-205.074	-3766.92
41242_1242	41242	1242	-1986.23	246.114	-2.803	26.948	205.074	3766.278
41242_1243	41242	1243	1986.231	-233.789	2.803	-26.948	-196.203	-3006.94

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41243_1243	41243	1243	-1983.81	214.755	-32.127	-2.934	196.203	3004.296
41243_1244	41243	1244	1983.807	-178.868	32.127	2.934	99.822	-1190.85
41244_1244	41244	1244	-1983.9	178.868	-25.65	0.954	-99.822	1190.854
41244_1245	41244	1245	1983.901	-138.332	25.65	-0.954	366.786	459.84
41245_1245	41245	1245	-1984.3	123.212	-14.83	3.09	-366.786	-459.605
41245_1246	41245	1246	1984.304	-85.245	14.83	-3.09	511.352	1475.677
41246_1246	41246	1246	-1984.34	85.245	-8.419	-1.678	-511.352	-1475.68
41246_1247	41246	1247	1984.342	-46.762	8.419	1.678	594.533	2127.842
41247_1247	41247	1247	-1984.46	28.446	0.173	3.701	-594.533	-2127.05
41247_1248	41247	1248	1984.458	6.923	-0.173	-3.701	592.96	2224.776
41248_1248	41248	1248	-1984.45	-6.923	4.077	-0.675	-592.96	-2224.78
41248_1249	41248	1249	1984.454	47.957	-4.077	0.675	550.009	1935.671
41249_1249	41249	1249	-1983.32	-67.768	-9.777	3.534	-550.009	-1935.08
41249_1250	41249	1250	1983.315	108.032	9.777	-3.534	651.087	1026.374
41250_1250	41250	1250	-1983.34	-108.032	-1.812	-0.587	-651.087	-1026.38
41250_1251	41250	1251	1983.339	144.206	1.812	0.587	667.921	-145.004
41251_1251	41251	1251	-1986.16	-171.012	62.415	-3.351	-667.921	144.857
41251_1252	41251	1252	1986.161	210.475	-62.415	3.351	35.511	-2077.55
41252_1252	41252	1252	-1985.96	-214.115	68.453	2.966	-35.511	2077.548
41252_1253	41252	1253	1985.963	257.769	-68.453	-2.966	-731.755	-4722.14
41253_1253	41253	1253	-1986.01	-257.769	67.035	-0.413	731.755	4722.335
41253_1254	41253	1254	1986.011	270.24	-67.035	0.413	-943.632	-5556.78
41254_1254	41254	1254	-1981.27	-295.824	-31.48	-53.708	943.632	5553.487
41254_1255	41254	1255	1981.265	320.815	31.48	53.708	-744.238	-7506.36
41255_1255	41255	1255	9.166	464.98	-45.817	9.214	670.792	21094.41
41255_1256	41255	1256	-4.855	-429.354	45.817	-9.214	-298.581	-17463.7
41256_1256	41256	1256	-2.354	429.358	-45.725	38.77	294.981	17463.68
41256_1257	41256	1257	5.589	-398.291	45.725	-38.77	37.499	-14455.9
41257_1257	41257	1257	-16.417	379.057	0.821	-16.942	-31.852	14452.57
41257_1258	41257	1258	20.086	-335.795	-0.821	16.942	23.162	-10742.4
41258_1258	41258	1258	-28.458	335.102	0.963	14.855	-25.604	10742.43
41258_1259	41258	1259	31.519	-283.79	-0.963	-14.855	13.324	-6831.77
41259_1259	41259	1259	-39.454	270.88	4.067	-6.166	-12.491	6940.538
41259_1260	41259	1260	40.722	-233.405	-4.067	6.166	-30.417	-4280.55
41260_1260	41260	1260	-45.781	232.023	4.176	2.761	30.321	4280.552
41260_1261	41260	1261	46.19	-198.665	-4.176	-2.761	-69.79	-2245.25
41261_1261	41261	1261	-48.66	197.816	4.2	3.857	69.79	2268.762
41261_1262	41261	1262	48.66	-186.797	-4.2	-3.857	-83.094	-1659.68
41262_1262	41262	1262	-48.497	157.32	-3.17	1.954	83.094	1659.496
41262_1263	41262	1263	48.497	-118.651	3.17	-1.954	-47.863	-125.792
41263_1263	41263	1263	-48.508	118.651	-3	2.394	47.863	125.785
41263_1264	41263	1264	48.508	-77.132	3	-2.394	-12.062	1042.485
41264_1264	41264	1264	-48.555	53.151	0.091	2.388	12.062	-1042.44
41264_1265	41264	1265	48.555	-12.876	-0.091	-2.388	-13.12	1424.631
41265_1265	41265	1265	-48.554	12.876	0.266	-2.736	13.12	-1424.63
41265_1266	41265	1266	48.554	27.065	-0.266	2.736	-16.175	1343.179
41266_1266	41266	1266	-48.548	-51.773	-0.646	-1.528	16.175	-1343.13
41266_1267	41266	1267	48.548	92.4	0.646	1.528	-8.634	501.307
41267_1267	41267	1267	-48.549	-92.4	-0.526	-2.764	8.634	-501.302
41267_1268	41267	1268	48.549	131.953	0.526	2.764	-2.653	-774.035
41268_1268	41268	1268	-48.555	-156.21	-1.955	-8.653	2.653	774.064
41268_1269	41268	1269	48.555	201.61	1.955	8.653	22.86	-3108.82
41269_1269	41269	1269	-48.561	-201.61	-1.797	1.485	-22.86	3108.834

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41269_1270	41269	1270	48.561	241.449	1.797	-1.485	43.434	-5645.64
41270_1270	41270	1270	-48.561	-261.547	2.749	-22.875	-43.434	5645.667
41270_1271	41270	1271	48.561	293.434	-2.749	22.875	18.234	-8189.04
41271_1271	41271	1271	-48.554	-297.074	2.874	-1.936	-18.234	8189.073
41271_1272	41271	1272	48.554	335.893	-2.874	1.936	-13.829	-11720.5
41272_1272	41272	1272	-46.396	-336.337	2.997	28.988	13.961	11686.88
41272_1273	41272	1273	46.294	351.842	-2.997	-28.988	-26.463	-13122.4
41273_1273	41273	1273	-41.109	-377.047	19.468	-29.428	25.889	13123.42
41273_1274	41273	1274	40.526	406.696	-19.468	29.428	-180.731	-16240.1
41274_1274	41274	1274	-33.705	-407.642	19.538	-8.889	181.001	16240.16
41274_1275	41274	1275	32.618	437.223	-19.538	8.889	-334.931	-19568
41275_1275	41275	1275	-26.914	-437.681	19.717	57.335	337.789	19540.74
41275_1276	41275	1276	26.041	455.219	-19.717	-57.335	-420.234	-21407.5
41276_1276	41276	1276	-17.33	-468.825	-78.096	-67.295	413.872	21302.14
41276_1277	41276	1277	13.972	518.928	78.096	67.295	505.314	-27113.5
41277_1277	41277	1277	-0.427	-519.163	-77.906	50.488	-497.14	27113.71
41277_1278	41277	1278	-4.861	575.541	77.906	-50.488	1495.067	-34121.9
41278_1278	41278	1278	17.604	-564.804	131.259	-81.035	-1513.37	34122.42
41278_1279	41278	1279	-22.824	608.886	-131.259	81.035	247.228	-39781.7
41279_1279	41279	1279	-2777.25	383.133	46.058	45.419	-868.855	14935.57
41279_1280	41279	1280	2777.25	-344.178	-46.058	-45.419	431.2	-11480
41280_1280	41280	1280	-2777.22	344.178	47.6	56.133	-431.2	11704.44
41280_1281	41280	1281	2777.224	-323.27	-47.6	-56.133	173.197	-9895.56
41281_1281	41281	1281	-2777.22	306.179	-22.826	-10.432	-173.197	9929.544
41281_1282	41281	1282	2777.219	-262.079	22.826	10.432	455.314	-6417.85
41282_1282	41282	1282	-2777.28	262.079	-14.521	8.76	-455.314	6417.847
41282_1283	41282	1283	2777.275	-218.754	14.521	-8.76	631.632	-3498.57
41283_1283	41283	1283	-2777.27	170.089	13.623	-0.648	-631.632	3498.566
41283_1284	41283	1284	2777.267	-125.824	-13.623	0.648	462.621	-1663.03
41284_1284	41284	1284	-2777.21	125.824	22.638	4.75	-462.621	1663.019
41284_1285	41284	1285	2777.208	-87.441	-22.638	-4.75	219.092	-515.942
41285_1285	41285	1285	-2777.1	49.935	30.07	1.16	-219.092	515.809
41285_1286	41285	1286	2777.1	-10.007	-30.07	-1.16	-117.393	-180.43
41286_1286	41286	1286	-2777	10.007	38.393	1.7	117.393	180.425
41286_1287	41286	1287	2776.997	27.112	-38.393	-1.7	-516.798	-269.396
41287_1287	41287	1287	-2777.27	-64.282	-21.449	-1.819	516.798	269.416
41287_1288	41287	1288	2777.271	111.014	21.449	1.819	-235.875	-1417.37
41288_1288	41288	1288	-2777.33	-114.654	-11.891	3.058	235.875	1417.372
41288_1289	41288	1289	2777.328	154.695	11.891	-3.058	-102.43	-2928.7
41289_1289	41289	1289	-2777.36	-189.796	-4.371	-4.022	102.43	2928.763
41289_1290	41289	1290	2777.364	204.085	4.371	4.022	-84.925	-3717.46
41290_1290	41290	1290	-2777.37	-204.085	-0.37	1.217	84.925	3488.753
41290_1291	41290	1291	2777.367	240.282	0.37	-1.217	-81.406	-5599.47
41291_1291	41291	1291	79.739	812.464	22.067	-2.136	-260.996	26776.62
41291_1292	41291	1292	-76.13	-780.573	-22.067	2.136	96.783	-20850.6
41292_1292	41292	1292	53.423	751.313	4.689	-26.303	-94.574	20851.03
41292_1293	41292	1293	-48.83	-698.73	-4.689	26.303	35.146	-11660.1
41293_1293	41293	1293	27.585	699.84	4.742	27.665	-39.068	11660.12
41293_1294	41293	1294	-25.036	-654.837	-4.742	-27.665	-13.996	-4081.07
41294_1294	41294	1294	8.973	621.534	-1.246	6.527	15.442	4059.939
41294_1295	41294	1295	-8.036	-593.74	1.246	-6.527	-6.651	225.389
41295_1295	41295	1295	-3.392	593.783	-1.199	4.471	6.709	-224.247
41295_1296	41295	1296	3.751	-568.726	1.199	-4.471	1.872	4384.574

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41296_1296	41296	1296	-11.503	568.62	-1.186	-0.229	-1.817	-4384.58
41296_1297	41296	1297	11.523	-537.889	1.186	0.229	12.25	9250.244
41297_1297	41297	1297	-11.877	498.526	1.21	39.14	-12.25	-9250.27
41297_1298	41297	1298	11.877	-484.368	-1.21	-39.14	7.347	11241.77
41298_1298	41298	1298	-11.875	484.368	1.229	21.308	-7.347	-11241.8
41298_1299	41298	1299	11.875	-450.96	-1.229	-21.308	-3.057	15200.94
41299_1299	41299	1299	-11.871	450.96	1.267	-27.381	3.057	-15200.9
41299_1300	41299	1300	11.871	-403.663	-1.267	27.381	-18.242	20322.43
41300_1300	41300	1300	-11.866	356.27	1.437	51.325	18.242	-20322.5
41300_1301	41300	1301	11.866	-304.324	-1.437	-51.325	-37.154	24670.3
41301_1301	41301	1301	-11.86	304.324	1.484	-47.542	37.154	-24670.3
41301_1302	41301	1302	11.86	-259.619	-1.484	47.542	-53.967	27864.6
41302_1302	41302	1302	-11.858	207.859	0.077	69.765	53.967	-27864.7
41302_1303	41302	1303	11.858	-154.734	-0.077	-69.765	-55.009	30305.35
41303_1303	41303	1303	-11.858	154.734	0.133	-72.387	55.009	-30305.3
41303_1304	41303	1304	11.858	-111.164	-0.133	72.387	-56.478	31773.21
41304_1304	41304	1304	-11.854	57.244	1.394	64.866	56.478	-31773.4
41304_1305	41304	1305	11.854	-5.684	-1.394	-64.866	-74.688	32184.47
41305_1305	41305	1305	-11.849	5.684	1.441	-63.138	74.688	-32184.5
41305_1306	41305	1306	11.849	39.425	-1.441	63.138	-91.157	31991.63
41306_1306	41306	1306	-11.845	-95.911	0.734	59.244	91.157	-31991.6
41306_1307	41306	1307	11.845	142.723	-0.734	-59.244	-99.869	30576.22
41307_1307	41307	1307	-11.842	-142.723	0.776	-47.542	99.869	-30576.2
41307_1308	41307	1308	11.842	192.588	-0.776	47.542	-109.672	28457.71
41308_1308	41308	1308	-11.835	-242.81	2.729	51.455	109.672	-28457.8
41308_1309	41308	1309	11.835	290.809	-2.729	-51.455	-142.864	25212.46
41309_1309	41309	1309	-11.825	-290.809	2.774	-45.191	142.864	-25212.5
41309_1310	41309	1310	11.825	339.509	-2.774	45.191	-177.099	21323.12
41310_1310	41310	1310	-11.824	-384.235	-1.713	30.298	177.099	-21323.1
41310_1311	41310	1311	11.824	434.785	1.713	-30.298	-155.162	16077.44
41311_1311	41311	1311	-11.83	-434.785	-1.667	-31.252	155.162	-16077.4
41311_1312	41311	1312	11.83	485.224	1.667	31.252	-133.852	10197.93
41312_1312	41312	1312	-11.857	-528.391	-7.456	2.49	133.852	-10197.9
41312_1313	41312	1313	11.857	599.235	7.456	-2.49	0	76.052
42000_2000	42000	2000	-0.683	16.526	-4.876	5.765	0	-0.799
42000_2001	42000	2001	0.683	9.27	4.876	-5.765	77.827	58.704
42001_2001	42001	2001	-0.679	-9.27	-4.877	5.813	-77.827	-58.7
42001_2002	42001	2002	0.679	26.442	4.877	-5.813	129.64	-131.018
42002_2002	42002	2002	-0.46	22.752	6.822	4.182	-129.64	130.98
42002_2003	42002	2003	0.46	-3.075	-6.822	-4.182	46.578	26.248
42003_2003	42003	2003	-0.459	3.075	6.822	4.18	-46.578	-26.248
42003_2004	42003	2004	0.459	16.619	-6.822	-4.18	-36.552	-56.273
42004_2004	42004	2004	-0.575	19.706	-0.258	3.521	36.552	55.998
42004_2005	42004	2005	0.575	-0.028	0.258	-3.521	-33.412	64.141
42005_2005	42005	2005	-0.575	0.028	-0.258	3.567	33.412	-64.138
42005_2006	42005	2006	0.575	19.667	0.258	-3.567	-30.264	-55.526
42006_2006	42006	2006	-0.569	20.046	0.181	1.594	30.264	55.513
42006_2007	42006	2007	0.569	-0.367	-0.181	-1.594	-32.47	68.767
42007_2007	42007	2007	-0.569	0.367	0.181	1.594	32.47	-68.767
42007_2008	42007	2008	0.569	19.313	-0.181	-1.594	-34.677	-46.583
42008_2008	42008	2008	-0.571	19.488	-0.027	-0.269	34.677	46.912
42008_2009	42008	2009	0.571	0.193	0.027	0.269	-34.343	70.577
42009_2009	42009	2009	-0.571	-0.193	-0.027	-0.334	34.343	-70.577

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42009_2010	42009	2010	0.571	19.889	0.027	0.334	-34.015	-51.786
42010_2010	42010	2010	-0.573	19.283	-0.248	-2.059	34.015	51.797
42010_2011	42010	2011	0.573	0.399	0.248	2.059	-30.996	63.184
42011_2011	42011	2011	-0.573	-0.399	-0.248	-2.059	30.996	-63.184
42011_2012	42011	2012	0.573	20.08	0.248	2.059	-27.977	-61.512
42012_2012	42012	2012	-0.572	18.664	-0.112	-3.503	27.977	61.264
42012_2013	42012	2013	0.572	1.014	0.112	3.503	-26.609	46.183
42013_2013	42013	2013	-0.572	-1.014	-0.112	-3.545	26.609	-46.18
42013_2014	42013	2014	0.572	20.706	0.112	3.545	-25.246	-86.138
42014_2014	42014	2014	-0.58	18.295	-2.212	-3.706	25.246	86.079
42014_2015	42014	2015	0.58	8.511	2.212	3.706	11.445	-4.939
42015_2015	42015	2015	-0.582	-8.511	-2.212	-3.716	-11.445	4.944
42015_2016	42015	2016	0.582	21.84	2.212	3.716	29.687	-130.1
42016_2016	42016	2016	-0.6	19.638	-0.05	-2.8	-29.687	130.776
42016_2017	42016	2017	0.6	-0.913	0.05	2.8	30.277	-9.988
42017_2017	42017	2017	-0.6	0.913	-0.05	-2.794	-30.277	9.989
42017_2018	42017	2018	0.6	20.183	0.05	2.794	30.936	-137.602
42018_2018	42018	2018	-0.62	19.456	3.897	-1.749	-30.936	137.738
42018_2019	42018	2019	0.62	0.456	-3.897	1.749	-17.779	-18.979
42019_2019	42019	2019	-0.617	-0.456	3.897	-1.734	17.779	18.98
42019_2020	42019	2020	0.617	20.367	-3.897	1.734	-66.496	-149.119
42020_2020	42020	2020	-0.643	21.139	-3.76	-0.954	66.496	149.161
42020_2021	42020	2021	0.643	-5.999	3.76	0.954	-30.759	-20.185
42021_2021	42021	2021	-0.638	5.999	-3.761	-0.987	30.759	20.185
42021_2022	42021	2022	0.638	6.338	3.761	0.987	-1.631	-21.498
42022_2022	42022	2022	-0.639	-6.338	-3.76	-0.984	1.631	21.498
42022_2023	42022	2023	0.639	18.692	3.76	0.984	27.533	-118.562
42023_2023	42023	2023	-0.635	19.394	0.379	-0.33	-27.533	118.512
42023_2024	42023	2024	0.635	-6.656	-0.379	0.33	24.501	-14.359
42024_2024	42024	2024	-0.635	6.656	0.379	-0.33	-24.501	14.359
42024_2025	42024	2025	0.635	6.081	-0.379	0.33	21.47	-12.057
42025_2025	42025	2025	-0.635	-6.081	0.378	-0.344	-21.47	12.056
42025_2026	42025	2026	0.635	18.835	-0.378	0.344	18.439	-111.813
42026_2026	42026	2026	-0.638	18.912	0.083	-0.377	-18.439	111.633
42026_2027	42026	2027	0.638	-9.351	-0.083	0.377	17.941	-26.814
42027_2027	42027	2027	-0.638	9.351	0.084	-0.337	-17.941	26.814
42027_2028	42027	2028	0.638	0.192	-0.084	0.337	17.437	0.624
42028_2028	42028	2028	-0.638	-0.192	0.083	-0.336	-17.437	-0.624
42028_2029	42028	2029	0.638	9.752	-0.083	0.336	16.938	-29.219
42029_2029	42029	2029	-0.638	-9.752	0.083	-0.336	-16.938	29.219
42029_2030	42029	2030	0.638	19.313	-0.083	0.336	16.439	-116.445
42030_2030	42030	2030	-0.643	18.398	-0.483	-0.352	-16.439	116.388
42030_2031	42030	2031	0.643	-5.652	0.483	0.352	20.306	-20.16
42031_2031	42031	2031	-0.642	5.652	-0.484	-0.38	-20.306	20.159
42031_2032	42031	2032	0.642	7.08	0.484	0.38	24.176	-25.866
42032_2032	42032	2032	-0.643	-7.08	-0.483	-0.344	-24.176	25.866
42032_2033	42032	2033	0.643	19.826	0.483	0.344	28.043	-133.52
42033_2033	42033	2033	-0.61	18.552	2.329	0.025	-28.043	133.542
42033_2034	42033	2034	0.61	-6.199	-2.329	-0.025	9.978	-37.565
42034_2034	42034	2034	-0.608	6.199	2.33	0.068	-9.978	37.565
42034_2035	42034	2035	0.608	6.137	-2.33	-0.068	-8.067	-37.325
42035_2035	42035	2035	-0.606	-6.137	2.33	0.09	8.067	37.325
42035_2036	42035	2036	0.606	21.272	-2.33	-0.09	-30.211	-167.544

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42036_2036	42036	2036	-0.718	21.099	-2.717	0.873	30.211	167.56
42036_2037	42036	2037	0.718	-1.179	2.717	-0.873	3.772	-28.262
42037_2037	42037	2037	-0.717	1.179	-2.717	0.871	-3.772	28.262
42037_2038	42037	2038	0.717	18.726	2.717	-0.871	37.728	-137.893
42038_2038	42038	2038	-0.66	14.362	0.932	1.88	-37.728	137.899
42038_2039	42038	2039	0.66	6.729	-0.932	-1.88	25.392	-87.359
42039_2039	42039	2039	-0.66	-6.729	0.932	2.074	-25.392	86.831
42039_2040	42039	2040	0.66	25.1	-0.932	-2.074	14.44	-273.908
42040_2040	42040	2040	-0.688	19.224	-0.468	2.888	-14.44	274.034
42040_2041	42040	2041	0.688	-6.328	0.468	-2.888	18.303	-168.613
42041_2041	42041	2041	-0.688	6.328	-0.468	2.891	-18.303	168.613
42041_2042	42041	2042	0.688	18.93	0.468	-2.891	25.869	-270.451
42042_2042	42042	2042	-0.661	21.113	1.859	2.345	-25.869	270.476
42042_2043	42042	2043	0.661	-2.404	-1.859	-2.345	3.619	-129.714
42043_2043	42043	2043	-0.66	2.404	1.859	2.444	-3.619	129.712
42043_2044	42043	2044	0.66	16.288	-1.859	-2.444	-18.617	-212.741
42044_2044	42044	2044	-0.679	19.886	0.094	1.279	18.617	212.882
42044_2045	42044	2045	0.679	-1.177	-0.094	-1.279	-19.743	-86.808
42045_2045	42045	2045	-0.679	1.177	0.094	1.279	19.743	86.808
42045_2046	42045	2046	0.679	17.532	-0.094	-1.279	-20.87	-184.701
42046_2046	42046	2046	-0.681	19.552	-0.134	-0.261	20.87	184.516
42046_2047	42046	2047	0.681	-0.851	0.134	0.261	-19.268	-62.442
42047_2047	42047	2047	-0.681	0.851	-0.134	-0.261	19.268	62.442
42047_2048	42047	2048	0.681	17.851	0.134	0.261	-17.667	-164.154
42048_2048	42048	2048	-0.683	18.971	-0.281	-1.612	17.667	164.058
42048_2049	42048	2049	0.683	-0.271	0.281	1.612	-14.308	-48.936
42049_2049	42049	2049	-0.683	0.271	-0.281	-1.653	14.308	48.935
42049_2050	42049	2050	0.683	18.431	0.281	1.653	-10.942	-157.586
42050_2050	42050	2050	-0.701	18.459	-1.863	-2.163	10.942	157.435
42050_2051	42050	2051	0.701	6.771	1.863	2.163	19.136	-63.095
42051_2051	42051	2051	-0.702	-6.771	-1.863	-2.15	-19.136	63.098
42051_2052	42051	2052	0.702	19.652	1.863	2.15	34.49	-171.984
42052_2052	42052	2052	-0.702	20.689	-0.453	-1.508	-34.49	172.071
42052_2053	42052	2053	0.702	-2.324	0.453	1.508	39.812	-36.862
42053_2053	42053	2053	-0.702	2.324	-0.453	-1.483	-39.812	36.869
42053_2054	42053	2054	0.702	17.753	0.453	1.483	45.815	-139.122
42054_2054	42054	2054	-0.694	18.254	2.894	-0.633	-45.815	138.974
42054_2055	42054	2055	0.694	0.677	-2.894	0.633	9.643	-29.125
42055_2055	42055	2055	-0.691	-0.677	2.895	-0.609	-9.643	29.126
42055_2056	42055	2056	0.691	19.608	-2.895	0.609	-26.534	-155.891
42056_2056	42056	2056	-0.73	20.187	-2.872	0.012	26.534	155.918
42056_2057	42056	2057	0.73	-5.794	2.872	-0.012	0.757	-32.479
42057_2057	42057	2057	-0.734	5.794	-2.871	0.049	-0.757	32.48
42057_2058	42057	2058	0.734	5.941	2.871	-0.049	23.001	-33.047
42058_2058	42058	2058	-0.73	-5.941	-2.872	0.007	-23.001	33.047
42058_2059	42058	2059	0.73	17.677	2.872	-0.007	45.254	-124.542
42059_2059	42059	2059	-0.707	18.898	1.539	0.35	-45.254	124.533
42059_2060	42059	2060	0.707	-6.772	-1.539	-0.35	32.936	-21.778
42060_2060	42060	2060	-0.707	6.772	1.539	0.349	-32.936	21.778
42060_2061	42060	2061	0.707	5.338	-1.539	-0.349	20.633	-16.045
42061_2061	42061	2061	-0.707	-5.338	1.539	0.35	-20.633	16.045
42061_2062	42061	2062	0.707	17.464	-1.539	-0.35	8.315	-107.32
42062_2062	42062	2062	-0.717	18.373	0.619	0.304	-8.315	107.229

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42062_2063	42062	2063	0.717	-9.297	-0.619	-0.304	4.608	-24.33
42063_2063	42063	2063	-0.716	9.297	0.62	0.347	-4.608	24.329
42063_2064	42063	2064	0.716	-0.207	-0.62	-0.347	0.888	4.189
42064_2064	42064	2064	-0.717	0.207	0.619	0.354	-0.888	-4.188
42064_2065	42064	2065	0.717	8.884	-0.619	-0.354	-2.826	-21.853
42065_2065	42065	2065	-0.717	-8.884	0.619	0.354	2.826	21.853
42065_2066	42065	2066	0.717	17.975	-0.619	-0.354	-6.539	-102.459
42066_2066	42066	2066	-0.723	18.09	0.056	0.28	6.539	102.296
42066_2067	42066	2067	0.723	-5.967	-0.056	-0.28	-6.99	-6.029
42067_2067	42067	2067	-0.723	5.967	0.056	0.28	6.99	6.029
42067_2068	42067	2068	0.723	6.14	-0.056	-0.28	-7.44	-6.719
42068_2068	42068	2068	-0.723	-6.14	0.056	0.28	7.44	6.719
42068_2069	42068	2069	0.723	18.262	-0.056	-0.28	-7.891	-104.366
42069_2069	42069	2069	-0.688	17.458	2.557	0.783	7.891	104.286
42069_2070	42069	2070	0.688	-5.715	-2.557	-0.783	-27.717	-14.453
42070_2070	42070	2070	-0.688	5.715	2.557	0.782	27.717	14.453
42070_2071	42070	2071	0.688	6.013	-2.557	-0.782	-47.518	-15.607
42071_2071	42071	2071	-0.687	-6.013	2.557	0.792	47.518	15.608
42071_2072	42071	2072	0.687	20.411	-2.557	-0.792	-71.828	-141.203
42072_2072	42072	2072	-0.754	20.452	-3.296	1.527	71.828	141.143
42072_2073	42072	2073	0.754	-1.522	3.296	-1.527	-30.639	-3.833
42073_2073	42073	2073	-0.754	1.522	-3.296	1.527	30.639	3.833
42073_2074	42073	2074	0.754	17.407	3.296	-1.527	10.55	-103.094
42074_2074	42074	2074	-0.673	15.077	0.911	2.321	-10.55	103.143
42074_2075	42074	2075	0.673	4.99	-0.911	-2.321	-1.522	-36.32
42075_2075	42075	2075	-0.673	-4.99	0.911	2.646	1.522	36.292
42075_2076	42075	2076	0.673	22.406	-0.911	-2.646	-12.236	-197.331
42076_2076	42076	2076	-0.699	18.091	-0.314	3.066	12.236	197.316
42076_2077	42076	2077	0.699	-5.87	0.314	-3.066	-9.646	-98.485
42077_2077	42077	2077	-0.699	5.87	-0.315	2.957	9.646	98.49
42077_2078	42077	2078	0.699	15.874	0.315	-2.957	-5.027	-171.9
42078_2078	42078	2078	-0.686	18.038	1.205	2.425	5.027	172.122
42078_2079	42078	2079	0.686	-1.367	-1.205	-2.425	-18.583	-62.942
42079_2079	42079	2079	-0.686	1.367	1.205	2.422	18.583	62.943
42079_2080	42079	2080	0.686	15.289	-1.205	-2.422	-32.126	-141.207
42080_2080	42080	2080	-0.696	16.897	-0.097	1.498	32.126	141.214
42080_2081	42080	2081	0.696	-0.231	0.097	-1.498	-31.031	-44.867
42081_2081	42081	2081	-0.696	0.231	-0.098	1.458	31.031	44.868
42081_2082	42081	2082	0.696	16.437	0.098	-1.458	-29.929	-136.034
42082_2082	42082	2082	-0.696	18.184	-0.098	0.127	29.929	135.922
42082_2083	42082	2083	0.696	-0.286	0.098	-0.127	-28.747	-24.356
42083_2083	42083	2083	-0.696	0.286	-0.098	0.107	28.747	24.356
42083_2084	42083	2084	0.696	17.628	0.098	-0.107	-27.556	-129.202
42084_2084	42084	2084	-0.698	16.87	-0.256	-1.216	27.556	129.215
42084_2085	42084	2085	0.698	-0.206	0.256	1.216	-24.68	-33.179
42085_2085	42085	2085	-0.698	0.206	-0.256	-1.246	24.68	33.177
42085_2086	42085	2086	0.698	16.444	0.256	1.246	-21.799	-124.421
42086_2086	42086	2086	-0.699	16.263	-0.224	-2.334	21.799	124.647
42086_2087	42086	2087	0.699	0.401	0.224	2.334	-19.277	-35.433
42087_2087	42087	2087	-0.699	-0.401	-0.225	-2.365	19.277	35.431
42087_2088	42087	2088	0.699	17.065	0.225	2.365	-16.748	-133.664
42088_2088	42088	2088	-0.72	14.972	-1.892	-2.753	16.748	133.68
42088_2089	42088	2089	0.72	5.958	1.892	2.753	9.981	-70.003

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42089_2089	42089	2089	-0.72	-5.958	-1.892	-2.757	-9.981	70.006
42089_2090	42089	2090	0.72	18.173	1.892	2.757	25.58	-169.481
42090_2090	42090	2090	-0.72	18.719	-0.375	-2.264	-25.58	169.699
42090_2091	42090	2091	0.72	-1.302	0.375	2.264	29.984	-52.012
42091_2091	42091	2091	-0.72	1.302	-0.375	-2.267	-29.984	52.021
42091_2092	42091	2092	0.72	18.03	0.375	2.267	34.954	-162.823
42092_2092	42092	2092	-0.714	17.91	2.493	-1.402	-34.954	162.669
42092_2093	42092	2093	0.714	0.325	-2.493	1.402	3.808	-52.802
42093_2093	42093	2093	-0.712	-0.325	2.493	-1.359	-3.808	52.803
42093_2094	42093	2094	0.712	18.573	-2.493	1.359	-27.37	-170.963
42094_2094	42094	2094	-0.707	19.343	-2.418	-0.655	27.37	170.916
42094_2095	42094	2095	0.707	-5.474	2.418	0.655	-4.392	-52.982
42095_2095	42095	2095	-0.709	5.474	-2.417	-0.611	4.392	52.986
42095_2096	42095	2096	0.709	5.825	2.417	0.611	14.323	-54.345
42096_2096	42096	2096	-0.706	-5.825	-2.418	-0.679	-14.323	54.345
42096_2097	42096	2097	0.706	17.139	2.418	0.679	33.07	-143.372
42097_2097	42097	2097	-0.686	18.009	0.811	-0.125	-33.07	143.23
42097_2098	42097	2098	0.686	-6.346	-0.811	0.125	26.591	-45.898
42098_2098	42098	2098	-0.686	6.346	0.811	-0.124	-26.591	45.898
42098_2099	42098	2099	0.686	5.333	-0.811	0.124	20.103	-41.844
42099_2099	42099	2099	-0.686	-5.333	0.811	-0.124	-20.103	41.844
42099_2100	42099	2100	0.686	17.011	-0.811	0.124	13.616	-131.248
42100_2100	42100	2100	-0.692	17.57	0.198	-0.038	-13.616	131.22
42100_2101	42100	2101	0.692	-8.811	-0.198	0.038	12.428	-52.048
42101_2101	42101	2101	-0.692	8.811	0.198	-0.04	-12.428	52.048
42101_2102	42101	2102	0.692	-0.067	-0.198	0.04	11.242	-25.448
42102_2102	42102	2102	-0.692	0.067	0.198	-0.039	-11.242	25.448
42102_2103	42102	2103	0.692	8.692	-0.198	0.039	10.054	-51.331
42103_2103	42103	2103	-0.692	-8.692	0.198	-0.039	-10.054	51.331
42103_2104	42103	2104	0.692	17.45	-0.198	0.039	8.866	-129.785
42104_2104	42104	2104	-0.694	17.242	-0.433	-0.009	-8.866	129.788
42104_2105	42104	2105	0.694	-5.563	0.433	0.009	12.335	-38.529
42105_2105	42105	2105	-0.695	5.563	-0.433	0.038	-12.335	38.529
42105_2106	42105	2106	0.695	6.102	0.433	-0.038	15.793	-40.685
42106_2106	42106	2106	-0.695	-6.102	-0.433	0.04	-15.793	40.685
42106_2107	42106	2107	0.695	17.781	0.433	-0.04	19.255	-136.255
42107_2107	42107	2107	-0.686	16.951	2.424	0.491	-19.255	136.284
42107_2108	42107	2108	0.686	-5.637	-2.424	-0.491	0.459	-48.718
42108_2108	42108	2108	-0.683	5.637	2.425	0.552	-0.459	48.718
42108_2109	42108	2109	0.683	5.663	-2.425	-0.552	-18.318	-48.818
42109_2109	42109	2109	-0.686	-5.663	2.424	0.496	18.318	48.817
42109_2110	42109	2110	0.686	19.532	-2.424	-0.496	-41.358	-168.542
42110_2110	42110	2110	-0.717	19.333	-2.707	1.273	41.358	168.54
42110_2111	42110	2111	0.717	-1.101	2.707	-1.273	-7.536	-40.895
42111_2111	42111	2111	-0.719	1.101	-2.707	1.307	7.536	40.894
42111_2112	42111	2112	0.719	17.145	2.707	-1.307	26.306	-141.202
42112_2112	42112	2112	-0.689	14.045	0.65	2.198	-26.306	141.229
42112_2113	42112	2113	0.689	5.296	-0.65	-2.198	17.69	-83.252
42113_2113	42113	2113	-0.689	-5.296	0.65	2.414	-17.69	83.289
42113_2114	42113	2114	0.689	22.394	-0.65	-2.414	10.055	-245.877
42114_2114	42114	2114	-0.696	17.383	-0.128	3.183	-10.055	245.875
42114_2115	42114	2115	0.696	-5.37	0.128	-3.183	11.109	-152.002
42115_2115	42115	2115	-0.696	5.37	-0.129	2.832	-11.109	152.009

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42115_2116	42115	2116	0.696	15.95	0.129	-2.832	13.003	-229.474
42116_2116	42116	2116	-0.695	18.432	1.35	2.815	-13.003	229.308
42116_2117	42116	2117	0.695	-2.064	-1.35	-2.815	-2.17	-114.105
42117_2117	42117	2117	-0.696	2.064	1.349	2.714	2.17	114.107
42117_2118	42117	2118	0.696	14.305	-1.349	-2.714	-17.335	-182.915
42118_2118	42118	2118	-0.693	17.148	0.013	1.992	17.335	182.904
42118_2119	42118	2119	0.693	-0.781	-0.013	-1.992	-17.486	-82.127
42119_2119	42119	2119	-0.693	0.781	0.014	2.066	17.486	82.126
42119_2120	42119	2120	0.693	15.6	-0.014	-2.066	-17.644	-165.488
42120_2120	42120	2120	-0.693	18.37	0.164	0.748	17.644	165.318
42120_2121	42120	2121	0.693	-0.78	-0.164	-0.748	-19.625	-49.642
42121_2121	42121	2121	-0.693	0.78	0.164	0.748	19.625	49.642
42121_2122	42121	2122	0.693	16.81	-0.164	-0.748	-21.607	-146.477
42122_2122	42122	2122	-0.693	17.004	0.004	-0.665	21.607	146.476
42122_2123	42122	2123	0.693	-0.623	-0.004	0.665	-21.655	-47.319
42123_2123	42123	2123	-0.693	0.623	0.004	-0.665	21.655	47.319
42123_2124	42123	2124	0.693	15.742	-0.004	0.665	-21.703	-132.292
42124_2124	42124	2124	-0.693	16.396	-0.444	-1.915	21.703	132.302
42124_2125	42124	2125	0.693	-0.03	0.444	1.915	-16.709	-39.98
42125_2125	42125	2125	-0.693	0.03	-0.444	-1.879	16.709	39.981
42125_2126	42125	2126	0.693	16.35	0.444	1.879	-11.718	-131.786
42126_2126	42126	2126	-0.695	14.704	-1.736	-2.535	11.718	131.651
42126_2127	42126	2127	0.695	5.491	1.736	2.535	12.358	-67.754
42127_2127	42127	2127	-0.696	-5.491	-1.735	-2.472	-12.358	67.756
42127_2128	42127	2128	0.696	17.517	1.735	2.472	26.691	-162.778
42128_2128	42128	2128	-0.707	18.382	-0.319	-2.089	-26.691	162.614
42128_2129	42128	2129	0.707	-1.289	0.319	2.089	30.439	-47.141
42129_2129	42129	2129	-0.707	1.289	-0.319	-1.972	-30.439	47.15
42129_2130	42129	2130	0.707	18.024	0.319	1.972	34.674	-158.103
42130_2130	42130	2130	-0.721	17.264	4.641	-1.495	-34.674	157.977
42130_2131	42130	2131	0.721	0.942	-4.641	1.495	-23.339	-55.964
42131_2131	42131	2131	-0.717	-0.942	4.642	-1.451	23.339	55.965
42131_2132	42131	2132	0.717	19.133	-4.642	1.451	-81.312	-181.336
42132_2132	42132	2132	-2.866	18.366	-4.998	-0.474	81.312	153.694
42132_2133	42132	2133	2.866	-4.53	4.998	0.474	-33.831	-44.936
42133_2133	42133	2133	-2.862	4.53	-5	-0.506	33.831	44.935
42133_2134	42133	2134	2.862	6.758	5	0.506	4.92	-53.568
42134_2134	42134	2134	-2.862	-6.758	-5	-0.506	-4.92	53.568
42134_2135	42134	2135	2.862	18.06	5	0.506	43.72	-149.862
42135_2135	42135	2135	-2.889	18.482	1.094	0.108	-43.72	150.06
42135_2136	42135	2136	2.889	-6.828	-1.094	-0.108	34.965	-48.803
42136_2136	42136	2136	-2.89	6.828	1.091	0.047	-34.965	48.803
42136_2137	42136	2137	2.89	4.825	-1.091	-0.047	26.239	-40.789
42137_2137	42137	2137	-2.889	-4.825	1.094	0.098	-26.239	40.789
42137_2138	42137	2138	2.889	16.479	-1.094	-0.098	17.483	-126.019
42138_2138	42138	2138	-2.881	17.43	0.612	-0.013	-17.483	126.019
42138_2139	42138	2139	2.881	-8.69	-0.612	0.013	13.809	-47.647
42139_2139	42139	2139	-2.881	8.69	0.612	-0.013	-13.809	47.647
42139_2140	42139	2140	2.881	0.051	-0.612	0.013	10.135	-21.726
42140_2140	42140	2140	-2.881	-0.051	0.612	-0.013	-10.135	21.726
42140_2141	42140	2141	2.881	8.791	-0.612	0.013	6.461	-48.255
42141_2141	42141	2141	-2.881	-8.791	0.612	-0.013	-6.461	48.255
42141_2142	42141	2142	2.881	17.531	-0.612	0.013	2.786	-127.235

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42142_2142	42142	2142	-2.859	17.111	-0.576	-0.206	-2.786	127.087
42142_2143	42142	2143	2.859	-5.472	0.576	0.206	7.387	-36.854
42143_2143	42143	2143	-2.859	5.472	-0.572	-0.159	-7.387	36.854
42143_2144	42143	2144	2.859	6.182	0.572	0.159	11.965	-39.696
42144_2144	42144	2144	-2.859	-6.182	-0.576	-0.209	-11.965	39.696
42144_2145	42144	2145	2.859	17.836	0.576	0.209	16.571	-135.783
42145_2145	42145	2145	-2.913	16.785	2.539	0.198	-16.571	135.934
42145_2146	42145	2146	2.913	-5.496	-2.539	-0.198	-3.111	-49.582
42146_2146	42146	2146	-2.913	5.496	2.539	0.198	3.111	49.582
42146_2147	42146	2147	2.913	5.794	-2.539	-0.198	-22.792	-50.737
42147_2147	42147	2147	-2.915	-5.794	2.537	0.139	22.792	50.733
42147_2148	42147	2148	2.915	19.633	-2.537	-0.139	-46.894	-171.531
42148_2148	42148	2148	-2.817	19.561	-3.15	0.912	46.894	171.539
42148_2149	42148	2149	2.817	-1.352	3.15	-0.912	-7.512	-40.816
42149_2149	42149	2149	-2.815	1.352	-3.152	0.879	7.512	40.817
42149_2150	42149	2150	2.815	16.842	3.152	-0.879	31.869	-137.572
42150_2150	42150	2150	-2.883	13.697	0.771	1.77	-31.869	137.587
42150_2151	42150	2151	2.883	5.605	-0.771	-1.77	21.648	-83.968
42151_2151	42151	2151	-2.883	-5.605	0.77	1.8	-21.648	82.468
42151_2152	42151	2152	2.883	23.458	-0.77	-1.8	12.604	-253.242
42152_2152	42152	2152	-2.884	17.179	0.811	2.237	-12.604	253.246
42152_2153	42152	2153	2.884	-4.643	-0.811	-2.237	5.913	-163.215
42153_2153	42153	2153	-2.884	4.643	0.811	2.23	-5.913	163.205
42153_2154	42153	2154	2.884	16.233	-0.811	-2.23	-5.229	-242.842
42154_2154	42154	2154	-2.88	18.827	0.59	1.846	5.229	242.835
42154_2155	42154	2155	2.88	-2.114	-0.59	-1.846	-11.723	-127.639
42155_2155	42155	2155	-2.88	2.114	0.59	1.846	11.723	127.639
42155_2156	42155	2156	2.88	14.6	-0.59	-1.846	-18.217	-196.322
42156_2156	42156	2156	-2.875	16.602	0.324	0.932	18.217	196.306
42156_2157	42156	2157	2.875	-1.392	-0.324	-0.932	-21.463	-106.231
42157_2157	42157	2157	-2.875	1.392	0.321	0.827	21.463	106.232
42157_2158	42157	2158	2.875	13.832	-0.321	-0.827	-24.684	-168.568
42158_2158	42158	2158	-2.867	15.364	-0.134	-0.291	24.684	168.386
42158_2159	42158	2159	2.867	-0.154	0.134	0.291	-23.337	-90.706
42159_2159	42159	2159	-2.867	0.154	-0.134	-0.291	23.337	90.706
42159_2160	42159	2160	2.867	15.055	0.134	0.291	-21.991	-165.296
42160_2160	42160	2160	-2.858	16.71	-0.662	-1.477	21.991	165.437
42160_2161	42160	2161	2.858	0.004	0.662	1.477	-14.703	-73.536
42161_2161	42161	2161	-2.858	-0.004	-0.662	-1.477	14.703	73.536
42161_2162	42161	2162	2.858	16.717	0.662	1.477	-7.415	-165.516
42162_2162	42162	2162	-2.85	15.391	-1.069	-2.278	7.415	165.502
42162_2163	42162	2163	2.85	5.501	1.069	2.278	7.288	-97.494
42163_2163	42163	2163	-2.85	-5.501	-1.067	-2.203	-7.288	97.486
42163_2164	42163	2164	2.85	18.021	1.067	2.203	16.083	-194.413
42164_2164	42164	2164	-2.848	19.557	-1.231	-1.731	-16.083	194.421
42164_2165	42164	2165	2.848	-1.704	1.231	1.731	30.552	-69.489
42165_2165	42165	2165	-2.848	1.704	-1.232	-1.723	-30.552	69.794
42165_2166	42165	2166	2.848	18.965	1.232	1.723	46.877	-184.162
42166_2166	42166	2166	-2.955	18.881	4.648	-0.985	-46.877	184.176
42166_2167	42166	2167	2.955	0.618	-4.648	0.985	-11.228	-70.009
42167_2167	42167	2167	-2.955	-0.618	4.648	-0.985	11.228	70.009
42167_2168	42167	2168	2.955	20.117	-4.648	0.985	-69.332	-199.622
42168_2168	42168	2168	-2.801	20.697	-4.283	-0.314	69.332	199.492

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42168_2169	42168	2169	2.801	-5.894	4.283	0.314	-28.676	-73.297
42169_2169	42169	2169	-2.8	5.894	-4.284	-0.311	28.676	73.292
42169_2170	42169	2170	2.8	6.196	4.284	0.311	4.529	-74.462
42170_2170	42170	2170	-2.794	-6.196	-4.287	-0.407	-4.529	74.462
42170_2171	42170	2171	2.794	18.285	4.287	0.407	37.763	-169.344
42171_2171	42171	2171	-2.891	19.486	1.23	0.169	-37.763	169.514
42171_2172	42171	2172	2.891	-7.007	-1.23	-0.169	27.921	-63.527
42172_2172	42172	2172	-2.893	7.007	1.226	0.09	-27.921	63.527
42172_2173	42172	2173	2.893	5.473	-1.226	-0.09	18.108	-57.39
42173_2173	42173	2173	-2.891	-5.473	1.23	0.161	-18.108	57.39
42173_2174	42173	2174	2.891	17.952	-1.23	-0.161	8.266	-151.104
42174_2174	42174	2174	-2.873	18.85	0.139	0.096	-8.266	150.951
42174_2175	42174	2175	2.873	-9.49	-0.139	-0.096	7.434	-65.918
42175_2175	42175	2175	-2.873	9.49	0.139	0.094	-7.434	65.918
42175_2176	42175	2176	2.873	-0.146	-0.139	-0.094	6.603	-37.053
42176_2176	42176	2176	-2.873	0.146	0.139	0.096	-6.603	37.053
42176_2177	42176	2177	2.873	9.214	-0.139	-0.096	5.771	-64.26
42177_2177	42177	2177	-2.873	-9.214	0.139	0.096	-5.771	64.26
42177_2178	42177	2178	2.873	18.573	-0.139	-0.096	4.938	-147.634
42178_2178	42178	2178	-2.852	18.455	-0.985	-0.023	-4.938	147.788
42178_2179	42178	2179	2.852	-5.976	0.985	0.023	12.817	-50.045
42179_2179	42179	2179	-2.854	5.976	-0.981	0.04	-12.817	50.045
42179_2180	42179	2180	2.854	6.503	0.981	-0.04	20.668	-52.155
42180_2180	42180	2180	-2.852	-6.503	-0.985	-0.025	-20.668	52.155
42180_2181	42180	2181	2.852	18.983	0.985	0.025	28.547	-154.118
42181_2181	42181	2181	-2.952	17.949	4.772	0.328	-28.547	154.122
42181_2182	42181	2182	2.952	-5.86	-4.772	-0.328	-8.439	-61.845
42182_2182	42182	2182	-2.952	5.86	4.772	0.328	8.439	61.845
42182_2183	42182	2183	2.952	6.229	-4.772	-0.328	-45.425	-63.276
42183_2183	42183	2183	-2.956	-6.229	4.769	0.248	45.425	63.269
42183_2184	42183	2184	2.956	21.033	-4.769	-0.248	-90.691	-192.653
42184_2184	42184	2184	-2.78	20.913	-5.229	0.916	90.691	192.794
42184_2185	42184	2185	2.78	-1.414	5.229	-0.916	-25.323	-53.233
42185_2185	42185	2185	-2.776	1.414	-5.231	0.873	25.323	53.234
42185_2186	42185	2186	2.776	18.085	5.231	-0.873	40.074	-157.45
42186_2186	42186	2186	-2.884	15.656	1.008	1.609	-40.074	157.461
42186_2187	42186	2187	2.884	5.013	-1.008	-1.609	26.719	-86.945
42187_2187	42187	2187	-2.885	-5.013	1.006	1.557	-26.719	86.18
42187_2188	42187	2188	2.885	24.132	-1.006	-1.557	14.897	-257.441
42188_2188	42188	2188	-2.883	19.345	0.907	2.054	-14.897	257.447
42188_2189	42188	2189	2.883	-5.937	-0.907	-2.054	7.425	-153.267
42189_2189	42189	2189	-2.883	5.937	0.907	2.068	-7.425	153.291
42189_2190	42189	2190	2.883	16.436	-0.907	-2.068	-5.043	-225.48
42190_2190	42190	2190	-2.878	19.477	0.643	1.622	5.043	225.472
42190_2191	42190	2191	2.878	-1.579	-0.643	-1.622	-12.114	-109.646
42191_2191	42191	2191	-2.878	1.579	0.643	1.622	12.114	109.646
42191_2192	42191	2192	2.878	16.32	-0.643	-1.622	-19.186	-190.735
42192_2192	42192	2192	-2.869	17.519	0.123	0.147	19.186	190.712
42192_2193	42192	2193	2.869	-1.101	-0.123	-0.147	-20.428	-96.761
42193_2193	42193	2193	-2.869	1.101	0.126	0.243	20.428	96.76
42193_2194	42193	2194	2.869	15.317	-0.126	-0.243	-21.7	-168.493
42194_2194	42194	2194	-2.854	16.349	-0.616	-1.249	21.7	168.463
42194_2195	42194	2195	2.854	0.069	0.616	1.249	-15.486	-86.317

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42195_2195	42195	2195	-2.853	-0.069	-0.619	-1.334	15.486	86.315
42195_2196	42195	2196	2.853	16.487	0.619	1.334	-9.244	-169.854
42196_2196	42196	2196	-2.844	17.61	-0.997	-2.681	9.244	169.819
42196_2197	42196	2197	2.844	0.288	0.997	2.681	1.725	-74.534
42197_2197	42197	2197	-2.844	-0.288	-0.997	-2.682	-1.725	74.534
42197_2198	42197	2198	2.844	18.171	0.997	2.682	12.684	-175.984
42198_2198	42198	2198	-2.831	16.402	-1.555	-3.304	-12.684	175.969
42198_2199	42198	2199	2.831	5.971	1.555	3.304	34.067	-104.246
42199_2199	42199	2199	-2.831	-5.971	-1.555	-3.299	-34.067	104.239
42199_2200	42199	2200	2.831	19.395	1.555	3.299	46.898	-208.893
42200_2200	42200	2200	-2.847	21.124	-0.889	-2.142	-46.898	208.923
42200_2201	42200	2201	2.847	-2.005	0.889	2.142	57.345	-73.021
42201_2201	42201	2201	-2.847	2.005	-0.887	-2.08	-57.345	73.291
42201_2202	42201	2202	2.847	20.381	0.887	2.08	69.093	-194.963
42202_2202	42202	2202	-2.958	20.424	3.641	-1.003	-69.093	194.991
42202_2203	42202	2203	2.958	0.71	-3.641	1.003	23.569	-71.758
42203_2203	42203	2203	-2.956	-0.71	3.644	-0.945	-23.569	71.758
42203_2204	42203	2204	2.956	21.844	-3.644	0.945	-21.984	-212.746
42204_2204	42204	2204	-2.779	22.375	-3.582	0.136	21.984	212.778
42204_2205	42204	2205	2.779	-6.313	3.582	-0.136	12.048	-76.484
42205_2205	42205	2205	-2.782	6.313	-3.579	0.226	-12.048	76.472
42205_2206	42205	2206	2.782	6.79	3.579	-0.226	39.79	-78.322
42206_2206	42206	2206	-2.782	-6.79	-3.579	0.225	-39.79	78.322
42206_2207	42206	2207	2.782	19.877	3.579	-0.225	67.498	-181.539
42207_2207	42207	2207	-2.912	20.911	1.668	0.687	-67.498	181.713
42207_2208	42207	2208	2.912	-7.385	-1.668	-0.687	54.152	-68.511
42208_2208	42208	2208	-2.91	7.385	1.672	0.773	-54.152	68.51
42208_2209	42208	2209	2.91	6.141	-1.672	-0.773	40.778	-63.535
42209_2209	42209	2209	-2.912	-6.141	1.668	0.693	-40.778	63.536
42209_2210	42209	2210	2.912	19.667	-1.668	-0.693	27.432	-166.787
42210_2210	42210	2210	-2.882	20.403	0.459	0.862	-27.432	166.79
42210_2211	42210	2211	2.882	-10.259	-0.459	-0.862	24.676	-74.788
42211_2211	42211	2211	-2.882	10.259	0.459	0.862	-24.676	74.788
42211_2212	42211	2212	2.882	-0.114	-0.459	-0.862	21.919	-43.662
42212_2212	42212	2212	-2.882	0.114	0.459	0.862	-21.919	43.662
42212_2213	42212	2213	2.882	10.03	-0.459	-0.862	19.163	-73.414
42213_2213	42213	2213	-2.882	-10.03	0.459	0.862	-19.163	73.414
42213_2214	42213	2214	2.882	20.175	-0.459	-0.862	16.407	-164.043
42214_2214	42214	2214	-2.886	20.107	0.467	0.828	-16.407	163.858
42214_2215	42214	2215	2.886	-6.581	-0.467	-0.828	12.671	-57.087
42215_2215	42215	2215	-2.886	6.581	0.467	0.827	-12.671	57.087
42215_2216	42215	2216	2.886	6.928	-0.467	-0.827	8.94	-58.471
42216_2216	42216	2216	-2.887	-6.928	0.463	0.755	-8.94	58.472
42216_2217	42216	2217	2.887	20.454	-0.463	-0.755	5.233	-168.016
42217_2217	42217	2217	-2.96	19.479	3.694	1.19	-5.233	168.179
42217_2218	42217	2218	2.96	-6.376	-3.694	-1.19	-23.402	-67.98
42218_2218	42218	2218	-2.965	6.376	3.69	1.102	23.402	67.981
42218_2219	42218	2219	2.965	6.728	-3.69	-1.102	-52.007	-69.345
42219_2219	42219	2219	-2.964	-6.728	3.691	1.107	52.007	69.341
42219_2220	42219	2220	2.964	22.79	-3.691	-1.107	-87.077	-209.57
42220_2220	42220	2220	-2.804	22.805	-3.347	1.902	87.077	209.462
42220_2221	42220	2221	2.804	-1.691	3.347	-1.902	-45.266	-56.483
42221_2221	42221	2221	-2.807	1.691	-3.345	1.947	45.266	56.482

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42221_2222	42221	2222	2.807	19.441	3.345	-1.947	-3.45	-167.42
42222_2222	42222	2222	-2.837	16.956	-0.685	2.596	3.45	167.585
42222_2223	42222	2223	2.837	5.443	0.685	-2.596	5.633	-91.312
42223_2223	42223	2223	-2.837	-5.443	-0.683	3.32	-5.633	90.257
42223_2224	42223	2224	2.837	26.147	0.683	-3.32	13.66	-275.852
42224_2224	42224	2224	-2.836	22.511	2.068	2.789	-13.66	276.02
42224_2225	42224	2225	2.836	-7.975	-2.068	-2.789	-3.398	-150.261
42225_2225	42225	2225	-2.837	7.975	2.066	2.711	3.398	150.248
42225_2226	42225	2226	2.837	20.535	-2.066	-2.711	-36.831	-251.865
42226_2226	42226	2226	-2.802	23.024	0.209	1.96	36.831	251.577
42226_2227	42226	2227	2.802	-1.51	-0.209	-1.96	-39.381	-101.789
42227_2227	42227	2227	-2.801	1.51	0.225	2.544	39.381	101.776
42227_2228	42227	2228	2.801	20.006	-0.225	-2.544	-42.128	-214.704
42228_2228	42228	2228	-2.81	22.237	0.681	0.287	42.128	214.725
42228_2229	42228	2229	2.81	-0.718	-0.681	-0.287	-50.445	-74.556
42229_2229	42229	2229	-2.81	0.718	0.683	0.348	50.445	74.556
42229_2230	42229	2230	2.81	20.801	-0.683	-0.348	-58.79	-197.192
42230_2230	42230	2230	-2.708	21.809	-1.665	-1.766	58.79	197.301
42230_2231	42230	2231	2.708	-0.132	1.665	1.766	-38.308	-62.329
42231_2231	42231	2231	-2.724	0.132	-1.638	-1.157	38.308	62.343
42231_2232	42231	2232	2.724	21.533	1.638	1.157	-18.163	-193.91
42232_2232	42232	2232	-2.779	21.722	-0.268	-3.219	18.163	193.694
42232_2233	42232	2233	2.779	2.925	0.268	3.219	-14.416	-62.225
42233_2233	42233	2233	-2.779	-2.925	-0.266	-3.169	14.416	62.206
42233_2234	42233	2234	2.779	21.138	0.266	3.169	-11.669	-186.574
42234_2234	42234	2234	-2.683	19.366	-2.276	-2.693	11.669	186.602
42234_2235	42234	2235	2.683	0.733	2.276	2.693	14.29	-80.327
42235_2235	42235	2235	-2.715	-0.733	-2.237	-1.884	-14.29	80.301
42235_2236	42235	2236	2.715	19.313	2.237	1.884	36.486	-179.747
42236_2236	42236	2236	-3.06	18.911	3.917	-1.806	-36.486	179.898
42236_2237	42236	2237	3.06	0.738	-3.917	1.806	-4.614	-84.557
42237_2237	42237	2237	-3.063	-0.738	3.915	-1.864	4.614	84.555
42237_2238	42237	2238	3.063	21.042	-3.915	1.864	-47.062	-202.637
42238_2238	42238	2238	-2.407	23.071	-4.17	0.028	47.062	202.744
42238_2239	42238	2239	2.407	-3.441	4.17	-0.028	-3.344	-63.787
42239_2239	42239	2239	-2.432	3.441	-4.156	0.415	3.344	63.785
42239_2240	42239	2240	2.432	22.797	4.156	-0.415	54.884	-199.396
42240_2240	42240	2240	-2.845	21.166	1.292	0.362	-54.884	199.369
42240_2241	42240	2241	2.845	-3.62	-1.292	-0.362	42.775	-83.247
42241_2241	42241	2241	-2.846	3.62	1.29	0.302	-42.775	83.247
42241_2242	42241	2242	2.846	15.576	-1.29	-0.302	29.548	-144.527
42242_2242	42242	2242	-2.899	17.924	2.136	0.761	-29.548	144.638
42242_2243	42242	2243	2.899	0.521	-2.136	-0.761	8.504	-58.923
42243_2243	42243	2243	-2.898	-0.521	2.138	0.788	-8.504	58.923
42243_2244	42243	2244	2.898	18.835	-2.138	-0.788	-12.404	-153.576
42244_2244	42244	2244	-2.787	19.178	0.505	0.523	12.404	153.528
42244_2245	42244	2245	2.787	-2.073	-0.505	-0.523	-17.02	-56.466
42245_2245	42245	2245	-2.784	2.073	0.522	0.853	17.02	56.462
42245_2246	42245	2246	2.784	17.557	-0.522	-0.853	-22.487	-137.618
42246_2246	42246	2246	-2.756	16.226	-0.019	0.21	22.487	137.582
42246_2247	42246	2247	2.756	3.028	0.019	-0.21	-22.292	-69.729
42247_2247	42247	2247	-2.756	-3.028	-0.018	0.236	22.292	69.729
42247_2248	42247	2248	2.756	20.535	0.018	-0.236	-22.124	-179.876

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42248_2248	42248	2248	-2.74	22.093	-1.077	0.072	22.124	179.549
42248_2249	42248	2249	2.74	1.782	1.077	-0.072	-8.398	-50.067
42249_2249	42249	2249	-2.756	-1.782	-1.037	0.803	8.398	50.052
42249_2250	42249	2250	2.756	23.769	1.037	-0.803	3.773	-200.061
42250_2250	42250	2250	-2.529	21.284	-8.282	1.074	-3.773	200.073
42250_2251	42250	2251	2.529	4.786	8.282	-1.074	119.079	-85.23
42251_2251	42251	2251	-2.523	-4.786	-8.284	1.019	-119.079	85.231
42251_2252	42251	2252	2.523	19.211	8.284	-1.019	182.897	-177.664
42252_2252	42252	2252	-3.747	19.525	27.661	-0.2	-182.897	177.538
42252_2253	42252	2253	3.747	-0.604	-27.661	0.2	-96.61	-75.839
42253_2253	42253	2253	-3.577	0.604	27.684	0.268	96.61	75.839
42253_2254	42253	2254	3.577	22.207	-27.684	-0.268	-433.831	-207.415
42254_2254	42254	2254	0.329	18.551	-26.557	2.944	433.831	207.45
42254_2255	42254	2255	-0.329	-0.738	26.557	-2.944	-194.459	-120.522
42255_2255	42255	2255	0.351	0.738	-26.557	2.846	194.459	120.524
42255_2256	42255	2256	-0.351	28.564	26.557	-2.846	199.29	-326.806
42256_2256	42256	2256	-0.274	24.102	6.221	-2.636	-199.29	326.75
42256_2257	42256	2257	0.274	-1.994	-6.221	2.636	129.694	-180.782
42257_2257	42257	2257	-0.234	1.994	6.223	-1.46	-129.694	180.795
42257_2258	42257	2258	0.234	21.443	-6.223	1.46	55.894	-296.119
42258_2258	42258	2258	-0.165	22.355	0.625	-0.741	-55.894	296.335
42258_2259	42258	2259	0.165	0.562	-0.625	0.741	48.652	-169.981
42259_2259	42259	2259	-0.165	-0.562	0.624	-0.801	-48.652	169.981
42259_2260	42259	2260	0.165	23.219	-0.624	0.801	41.493	-306.302
42260_2260	42260	2260	-0.137	21.59	-3.835	-3.197	-41.493	306.197
42260_2261	42260	2261	0.137	1.425	3.835	3.197	86.155	-188.777
42261_2261	42261	2261	-0.188	-1.425	-3.833	-0.704	-86.155	188.803
42261_2262	42261	2262	0.188	23.96	3.833	0.704	129.862	-333.537
42262_2262	42262	2262	-0.149	22.87	1.62	-5.021	-129.862	333.472
42262_2263	42262	2263	0.149	2.078	-1.62	5.021	109.408	-202.241
42263_2263	42263	2263	-0.15	-2.078	1.62	-5.109	-109.408	202.239
42263_2264	42263	2264	0.15	25.329	-1.62	5.109	90.345	-363.467
42264_2264	42264	2264	-0.202	23.251	-7.414	-6.759	-90.345	363.821
42264_2265	42264	2265	0.202	2.003	7.414	6.759	185.086	-228.059
42265_2265	42265	2265	-0.248	-2.003	-7.413	-5.331	-185.086	228.096
42265_2266	42265	2266	0.248	25.282	7.413	5.331	272.399	-388.796
42266_2266	42266	2266	0.02	27.083	9.065	-5.488	-272.399	388.669
42266_2267	42266	2267	-0.02	-6.504	-9.065	5.488	178.002	-213.799
42267_2267	42267	2267	0.035	6.504	9.065	-5.139	-178.002	213.808
42267_2268	42267	2268	-0.035	12.122	-9.065	5.139	92.566	-240.279
42268_2268	42268	2268	-0.01	22.186	2.407	-1.291	-92.566	240.244
42268_2269	42268	2269	0.01	0.041	-2.407	1.291	65.924	-117.664
42269_2269	42269	2269	0.025	-0.041	2.406	0.432	-65.924	117.67
42269_2270	42269	2270	-0.025	26.612	-2.406	-0.432	34.077	-294.038
42270_2270	42270	2270	0.036	36.548	1.397	0.597	-34.077	294.143
42270_2271	42270	2271	-0.036	-13.106	-1.397	-0.597	17.768	-4.277
42271_2271	42271	2271	0.036	13.106	1.397	0.595	-17.768	4.277
42271_2272	42271	2272	-0.036	12.432	-1.397	-0.595	0	0.005
42372_2372	42372	2372	0.095	8.688	-0.783	0.863	0	0.006
42372_2373	42372	2373	-0.095	9.771	0.783	-0.863	9.668	-6.692
42373_2373	42373	2373	0.096	-9.771	-0.783	0.857	-9.668	6.693
42373_2374	42373	2374	-0.096	27.816	0.783	-0.857	19.119	-233.673
42374_2374	42374	2374	0.083	20.621	0.485	1.284	-19.119	233.01

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42374_2375	42374	2375	-0.083	-2.376	-0.485	-1.284	13.202	-92.61
42375_2375	42375	2375	0.083	2.376	0.485	1.245	-13.202	92.61
42375_2376	42375	2376	-0.083	13.531	-0.485	-1.245	8.043	-151.986
42376_2376	42376	2376	0.062	15.205	1.326	0.522	-8.043	151.886
42376_2377	42376	2377	-0.062	1.566	-1.326	-0.522	-6.842	-75.341
42377_2377	42377	2377	0.08	-1.566	1.325	1.557	6.842	75.327
42377_2378	42377	2378	-0.08	17.375	-1.325	-1.557	-20.863	-175.532
42378_2378	42378	2378	0.061	18.061	-1.17	1.078	20.863	175.527
42378_2379	42378	2379	-0.061	1.344	1.17	-1.078	-5.672	-66.974
42379_2379	42379	2379	0.06	-1.344	-1.17	1.133	5.672	66.974
42379_2380	42379	2380	-0.06	18.164	1.17	-1.133	7.496	-176.777
42380_2380	42380	2380	0.069	15.021	1.437	0.614	-7.496	176.812
42380_2381	42380	2381	-0.069	1.415	-1.437	-0.614	-8.313	-101.977
42381_2381	42381	2381	0.08	-1.415	1.437	1.352	8.313	101.97
42381_2382	42381	2382	-0.08	16.122	-1.437	-1.352	-22.453	-188.282
42382_2382	42382	2382	0.075	18.385	-2.131	2.022	22.453	187.85
42382_2383	42382	2383	-0.075	0.261	2.131	-2.022	4.144	-74.761
42383_2383	42383	2383	0.076	-0.261	-2.131	1.984	-4.144	74.762
42383_2384	42383	2384	-0.076	16.997	2.131	-1.984	28.015	-171.418
42384_2384	42384	2384	0.079	18.427	0.635	3.237	-28.015	171.618
42384_2385	42384	2385	-0.079	-2.266	-0.635	-3.237	21.094	-58.775
42385_2385	42385	2385	0.078	2.266	0.635	3.175	-21.094	58.779
42385_2386	42385	2386	-0.078	15.558	-0.635	-3.175	13.459	-138.72
42386_2386	42386	2386	0.082	18.429	0.659	3.032	-13.459	138.601
42386_2387	42386	2387	-0.082	-0.093	-0.659	-3.032	5.304	-23.999
42387_2387	42387	2387	0.089	0.093	0.658	3.254	-5.304	23.97
42387_2388	42387	2388	-0.089	17.765	-0.658	-3.254	-2.628	-130.465
42388_2388	42388	2388	0.09	18.629	0.809	2.742	2.628	130.53
42388_2389	42388	2389	-0.09	0.721	-0.809	-2.742	-13.199	-13.603
42389_2389	42389	2389	0.089	-0.721	0.81	2.727	13.199	13.606
42389_2390	42389	2390	-0.089	17.558	-0.81	-2.727	-22.398	-117.454
42390_2390	42390	2390	0.093	18.291	0.334	1.797	22.398	117.459
42390_2391	42390	2391	-0.093	1.541	-0.334	-1.797	-26.871	-5.365
42391_2391	42391	2391	0.096	-1.541	0.333	1.844	26.871	5.349
42391_2392	42391	2392	-0.096	17.908	-0.333	-1.844	-30.553	-112.76
42392_2392	42392	2392	0.095	17.889	0.452	0.66	30.553	112.498
42392_2393	42392	2393	-0.095	1.223	-0.452	-0.66	-36.38	-5.021
42393_2393	42393	2393	0.095	-1.223	0.452	0.658	36.38	5.021
42393_2394	42393	2394	-0.095	18.291	-0.452	-0.658	-41.584	-117.406
42394_2394	42394	2394	0.096	17.936	0.522	-0.682	41.584	117.692
42394_2395	42394	2395	-0.096	-0.348	-0.522	0.682	-47.784	-9.183
42395_2395	42395	2395	0.101	0.348	0.521	-0.589	47.784	9.189
42395_2396	42395	2396	-0.101	18.265	-0.521	0.589	-54.333	-121.725
42396_2396	42396	2396	0.106	16.519	1.897	-1.938	54.333	121.58
42396_2397	42396	2397	-0.106	1.469	-1.897	1.938	-77.365	-30.233
42397_2397	42397	2397	0.107	-1.469	1.897	-1.929	77.365	30.233
42397_2398	42397	2398	-0.107	19.673	-1.897	1.929	-100.672	-160.095
42398_2398	42398	2398	0.098	19.331	-3.798	-3.441	100.672	160.102
42398_2399	42398	2399	-0.098	-0.404	3.798	3.441	-52.158	-34.056
42399_2399	42399	2399	0.08	0.404	-3.798	-3.277	52.158	34.072
42399_2400	42399	2400	-0.08	18.471	3.798	3.277	-3.773	-149.149
42400_2400	42400	2400	0.083	21.074	-0.257	-1.383	3.773	149.259
42400_2401	42400	2401	-0.083	0.67	0.257	1.383	0	0.445

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42572_2572	42572	2572	-0.025	8.753	-0.104	1.224	0	-0.027
42572_2573	42572	2573	0.025	9.726	0.104	-1.224	1.283	-5.986
42573_2573	42573	2573	-0.025	-9.726	-0.104	1.222	-1.283	5.987
42573_2574	42573	2574	0.025	27.642	0.104	-1.222	2.527	-230.016
42574_2574	42574	2574	-0.012	20.388	-0.552	0.89	-2.527	230.512
42574_2575	42574	2575	0.012	-2.426	0.552	-0.89	9.168	-93.377
42575_2575	42575	2575	-0.012	2.426	-0.552	0.926	-9.168	93.377
42575_2576	42575	2576	0.012	13.321	0.552	-0.926	14.989	-150.793
42576_2576	42576	2576	-0.062	15.259	1.523	0.524	-14.989	150.609
42576_2577	42576	2577	0.062	1.563	-1.523	-0.524	-2.159	-73.507
42577_2577	42577	2577	-0.042	-1.563	1.524	1.491	2.159	73.494
42577_2578	42577	2578	0.042	17.636	-1.524	-1.491	-18.549	-176.762
42578_2578	42578	2578	-0.082	17.909	-1.177	1.116	18.549	176.778
42578_2579	42578	2579	0.082	1.308	1.177	-1.116	-3.416	-70.021
42579_2579	42579	2579	-0.081	-1.308	-1.177	1.048	3.416	70.022
42579_2580	42579	2580	0.081	18.207	1.177	-1.048	9.893	-180.381
42580_2580	42580	2580	-0.06	15.287	1.814	0.895	-9.893	180.601
42580_2581	42580	2581	0.06	1.099	-1.814	-0.895	-10.005	-102.804
42581_2581	42581	2581	-0.05	-1.099	1.815	1.477	10.005	102.797
42581_2582	42581	2582	0.05	15.751	-1.815	-1.477	-27.8	-185.412
42582_2582	42582	2582	-0.126	18.521	-2.104	1.798	27.8	185.688
42582_2583	42582	2583	0.126	-0.097	2.104	-1.798	-1.855	-70.898
42583_2583	42583	2583	-0.125	0.097	-2.104	1.773	1.855	70.898
42583_2584	42583	2584	0.125	16.707	2.104	-1.773	21.807	-164.294
42584_2584	42584	2584	-0.12	18.246	-0.393	2.386	-21.807	164.472
42584_2585	42584	2585	0.12	-2.139	0.393	-2.386	26.076	-53.683
42585_2585	42585	2585	-0.119	2.139	-0.393	2.364	-26.076	53.684
42585_2586	42585	2586	0.119	15.632	0.393	-2.364	30.786	-134.597
42586_2586	42586	2586	-0.111	18.328	1.614	2.769	-30.786	134.896
42586_2587	42586	2587	0.111	-0.197	-1.614	-2.769	11.039	-21.56
42587_2587	42587	2587	-0.095	0.197	1.615	2.979	-11.039	21.532
42587_2588	42587	2588	0.095	17.761	-1.615	-2.979	-8.532	-127.961
42588_2588	42588	2588	-0.103	18.511	0.396	2.446	8.532	128.046
42588_2589	42588	2589	0.103	0.676	-0.396	-2.446	-13.658	-12.577
42589_2589	42589	2589	-0.103	-0.676	0.396	2.453	13.658	12.576
42589_2590	42589	2590	0.103	17.57	-0.396	-2.453	-18.172	-116.592
42590_2590	42590	2590	-0.1	18.209	0.449	1.618	18.172	116.516
42590_2591	42590	2591	0.1	1.511	-0.449	-1.618	-24.146	-5.402
42591_2591	42591	2591	-0.096	-1.511	0.45	1.66	24.146	5.389
42591_2592	42591	2592	0.096	17.867	-0.45	-1.66	-29.109	-112.338
42592_2592	42592	2592	-0.095	17.722	0.451	0.609	29.109	112.82
42592_2593	42592	2593	0.095	1.152	-0.451	-0.609	-34.857	-7.285
42593_2593	42593	2593	-0.094	-1.152	0.451	0.613	34.857	7.284
42593_2594	42593	2594	0.094	18.367	-0.451	-0.613	-40.101	-120.667
42594_2594	42594	2594	-0.092	17.932	0.422	-0.646	40.101	120.046
42594_2595	42594	2595	0.092	-0.355	-0.422	0.646	-45.11	-11.583
42595_2595	42595	2595	-0.087	0.355	0.423	-0.513	45.11	11.589
42595_2596	42595	2596	0.087	18.147	-0.423	0.513	-50.396	-122.673
42596_2596	42596	2596	-0.083	16.193	1.254	-1.566	50.396	122.66
42596_2597	42596	2597	0.083	1.77	-1.254	1.566	-65.596	-35.24
42597_2597	42597	2597	-0.083	-1.77	1.254	-1.555	65.596	35.24
42597_2598	42597	2598	0.083	19.888	-1.254	1.555	-80.928	-167.643
42598_2598	42598	2598	-0.085	19.998	-3.329	-2.194	80.928	167.438

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42598_2599	42598	2599	0.085	-1.128	3.329	2.194	-38.532	-32.918
42599_2599	42599	2599	-0.104	1.128	-3.329	-2.01	38.532	32.929
42599_2600	42599	2600	0.104	17.694	3.329	2.01	3.749	-138.146
42600_2600	42600	2600	-0.094	20.602	0.329	-2.265	-3.749	137.891
42600_2601	42600	2601	0.094	-3.721	-0.329	2.265	0	0.653
43000_3000	43000	3000	4.399	457.204	1.729	7.187	0	21.579
43000_3001	43000	3001	-4.399	-413.706	-1.729	-7.187	-25.793	6473.975
43001_3001	43001	3001	4.401	413.706	1.724	-0.444	25.793	-6473.98
43001_3002	43001	3002	-4.401	-383.389	-1.724	0.444	-43.717	10617.57
43002_3002	43002	3002	4.372	326.103	-1.586	15.76	43.717	-10617.8
43002_3003	43002	3003	-4.372	-290.643	1.586	-15.76	-24.427	14367.72
43003_3003	43003	3003	4.37	290.643	-1.594	-9.175	24.427	-14367.7
43003_3004	43003	3004	-4.37	-255.161	1.594	9.175	-5.032	17688.35
43004_3004	43004	3004	4.388	212.435	0.893	11.083	5.032	-17688.7
43004_3005	43004	3005	-4.388	-176.96	-0.893	-11.083	-15.902	20057.3
43005_3005	43005	3005	4.389	176.96	0.889	-7.322	15.902	-20057.3
43005_3006	43005	3006	-4.389	-141.46	-0.889	7.322	-26.73	21995.52
43006_3006	43006	3006	4.38	98.052	-0.202	20.714	26.73	-21995.9
43006_3007	43006	3007	-4.38	-62.584	0.202	-20.714	-24.279	22972.76
43007_3007	43007	3007	4.379	62.584	-0.209	-19.078	24.279	-22972.8
43007_3008	43007	3008	-4.379	-27.095	0.209	19.078	-21.735	23518.48
43008_3008	43008	3008	4.389	-15.856	0.888	8.871	21.735	-23519.1
43008_3009	43008	3009	-4.389	51.339	-0.888	-8.871	-32.545	23110.31
43009_3009	43009	3009	4.39	-51.339	0.885	-9.986	32.545	-23110.3
43009_3010	43009	3010	-4.39	86.817	-0.885	9.986	-43.31	22269.86
43010_3010	43010	3010	4.382	-130.153	-0.165	15.136	43.31	-22270.2
43010_3011	43010	3011	-4.382	165.628	0.165	-15.136	-41.297	20471.06
43011_3011	43011	3011	4.382	-165.628	-0.173	-18.289	41.297	-20471.1
43011_3012	43011	3012	-4.382	201.096	0.173	18.289	-39.197	18240.79
43012_3012	43012	3012	4.382	-243.585	-0.101	3.592	39.197	-18241.2
43012_3013	43012	3013	-4.382	279.076	0.101	-3.592	-37.965	15060.61
43013_3013	43013	3013	4.382	-279.076	-0.105	-8.702	37.965	-15060.6
43013_3014	43013	3014	-4.382	314.563	0.105	8.702	-36.689	11448.42
43014_3014	43014	3014	4.384	-355.889	0.195	1.217	36.689	-11448.6
43014_3015	43014	3015	-4.384	403.874	-0.195	-1.217	-39.895	5197.498
43015_3015	43015	3015	8.97	-403.799	0.189	-6.681	39.832	-5194.8
43015_3016	43015	3016	-9.225	426.253	-0.189	6.681	-41.386	1774.209
43016_3016	43016	3016	19.886	-475.088	-0.277	-4.139	41.359	-1775.16
43016_3017	43016	3017	-20.939	507.192	0.277	4.139	-38.103	-3999.28
43017_3017	43017	3017	35.125	-506.406	-0.283	-0.723	38.257	3999.303
43017_3018	43017	3018	-37.492	545.257	0.283	0.723	-34.52	-10977.4
43018_3018	43018	3018	57.099	-593.219	2.554	-15.867	33.269	10977.36
43018_3019	43018	3019	-60.531	631.717	-2.554	15.867	-65.29	-18663
43019_3019	43019	3019	77.945	-629.804	2.547	11.797	68.266	18663.04
43019_3020	43019	3020	-82.74	670.759	-2.547	-11.797	-100.268	-26844.5
43020_3020	43020	3020	-2492.25	206.409	-15.592	-6.104	365.818	5720.361
43020_3021	43020	3021	2492.246	-179.853	15.592	6.104	-217.793	-3886.8
43021_3021	43021	3021	-2492.27	179.853	-10.827	2.672	217.793	3870.311
43021_3022	43021	3022	2492.271	-160.276	10.827	-2.672	-133.855	-2551.9
43022_3022	43022	3022	-2492.27	160.276	-10.827	2.672	133.855	2551.895
43022_3023	43022	3023	2492.271	-140.699	10.827	-2.672	-49.918	-1385.25
43023_3023	43023	3023	-2492.31	93.787	-9.09	-0.643	49.918	1385.297
43023_3024	43023	3024	2492.305	-73.579	9.09	0.643	22.825	-715.657

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43024_3024	43024	3024	-2492.31	73.579	-9.09	-0.643	-22.825	715.657
43024_3025	43024	3025	2492.305	-53.371	9.09	0.643	95.568	-207.722
43025_3025	43025	3025	-2492.31	53.371	-6.308	-0.411	-95.568	207.723
43025_3026	43025	3026	2492.313	-33.191	6.308	0.411	145.973	138.143
43026_3026	43026	3026	-2492.3	-13.322	-5.247	-0.819	-145.973	-138.228
43026_3027	43026	3027	2492.296	28.477	5.247	0.819	177.459	12.808
43027_3027	43027	3027	-2492.3	-28.477	-1.114	-0.84	-177.459	-12.807
43027_3028	43027	3028	2492.301	43.629	1.114	0.84	184.145	-203.513
43028_3028	43028	3028	-2492.3	-43.629	-1.114	-0.84	-184.145	203.513
43028_3029	43028	3029	2492.301	58.781	1.114	0.84	190.832	-510.745
43029_3029	43029	3029	-2492.3	-58.781	3.019	0.007	-190.832	510.746
43029_3030	43029	3030	2492.3	73.93	-3.019	-0.007	172.719	-908.819
43030_3030	43030	3030	-2492.31	-120.836	1.519	-3.439	-172.719	908.772
43030_3031	43030	3031	2492.306	141.062	-1.519	3.439	160.553	-1957.55
43031_3031	43031	3031	-2492.3	-141.062	4.313	-1.245	-160.553	1957.552
43031_3032	43031	3032	2492.302	161.259	-4.313	1.245	126.06	-3166.55
43032_3032	43032	3032	-2492.3	-161.259	7.414	2.696	-126.06	3166.551
43032_3033	43032	3033	2492.295	181.455	-7.414	-2.696	66.768	-4536.92
43033_3033	43033	3033	-2492.29	-230.242	7.032	-11.063	-66.768	4537.061
43033_3034	43033	3034	2492.286	249.804	-7.032	11.063	12.292	-6396.38
43034_3034	43034	3034	-2492.26	-249.804	13.741	6.155	-12.292	6396.383
43034_3035	43034	3035	2492.258	269.387	-13.741	-6.155	-94.264	-8409.4
43035_3035	43035	3035	-2492.27	-269.387	12.314	2.138	94.264	8426.741
43035_3036	43035	3036	2492.266	295.967	-12.314	-2.138	-211.28	-11112.9
43036_3036	43036	3036	80.627	559.689	-0.558	-11.6	-9.678	33661.35
43036_3037	43036	3037	-75.833	-518.757	0.558	11.6	16.672	-26881.4
43037_3037	43037	3037	61.455	520.671	-0.571	12.159	-19.057	26881.43
43037_3038	43037	3038	-58.023	-482.174	0.571	-12.159	26.21	-20589.7
43038_3038	43038	3038	41.929	440.449	0.186	-3.89	-24.873	20590.45
43038_3039	43038	3039	-39.562	-401.613	-0.186	3.89	22.409	-15005.6
43039_3039	43039	3039	27.698	402.555	0.166	15.563	-23.033	14988.72
43039_3040	43039	3040	-26.657	-370.79	-0.166	-15.563	21.079	-10441
43040_3040	43040	3040	18.561	316.747	1.41	-3.541	-20.642	10441.58
43040_3041	43040	3041	-18.31	-294.703	-1.41	3.541	9.005	-7918.55
43041_3041	43041	3041	15.167	294.942	1.394	4.229	-9.032	7913.091
43041_3042	43041	3042	-15.167	-256.621	-1.394	-4.229	-13.295	-3497.46
43042_3042	43042	3042	15.153	211.055	-0.321	1.155	13.295	3497.551
43042_3043	43042	3043	-15.153	-182.446	0.321	-1.155	-9.458	-1145.67
43043_3043	43043	3043	15.153	182.446	-0.334	2.11	9.458	1145.67
43043_3044	43043	3044	-15.153	-153.839	0.334	-2.11	-5.471	864.095
43044_3044	43044	3044	15.159	113.562	0.233	2.68	5.471	-864.114
43044_3045	43044	3045	-15.159	-84.957	-0.233	-2.68	-8.255	2050.453
43045_3045	43045	3045	15.159	84.957	0.207	-0.88	8.255	-2050.46
43045_3046	43045	3046	-15.159	-56.332	-0.207	0.88	-10.726	2895.377
43046_3046	43046	3046	15.157	15.753	-0.077	0.166	10.726	-2895.43
43046_3047	43046	3047	-15.157	12.845	0.077	-0.166	-9.809	2912.801
43047_3047	43047	3047	15.157	-12.845	-0.078	-0.03	9.809	-2912.8
43047_3048	43047	3048	-15.157	41.466	0.078	0.03	-8.88	2588.065
43048_3048	43048	3048	15.156	-82.394	-0.215	-0.736	8.88	-2588.12
43048_3049	43048	3049	-15.156	111.009	0.215	0.736	-6.311	1431.933
43049_3049	43049	3049	15.156	-111.009	-0.214	-0.643	6.311	-1431.93
43049_3050	43049	3050	-15.156	139.601	0.214	0.643	-3.757	-64.993
43050_3050	43050	3050	15.148	-181.843	-0.774	-1.523	3.757	64.995

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43050_3051	43050	3051	-15.148	220.127	0.774	1.523	8.621	-3279.91
43051_3051	43051	3051	17.848	-219.882	-0.782	0.195	-8.616	3281.799
43051_3052	43051	3052	-18.079	240.236	0.782	-0.195	15.068	-5180.63
43052_3052	43052	3052	25.135	-288.184	0.091	-2.782	-15.158	5180.63
43052_3053	43052	3053	-26.095	317.453	-0.091	2.782	14.083	-8740.85
43053_3053	43053	3053	35.275	-316.504	0.081	3.157	-13.803	8743.369
43053_3054	43053	3054	-37.57	354.044	-0.081	-3.157	12.729	-13191.2
43054_3054	43054	3054	51.815	-398.839	2.627	-14.386	-14.23	13191.12
43054_3055	43054	3055	-55.132	435.957	-2.627	14.386	-18.707	-18429
43055_3055	43055	3055	67.265	-434.221	2.602	14.283	21.781	18429.02
43055_3056	43055	3056	-71.883	473.591	-2.602	-14.283	-54.487	-24140.6
43056_3056	43056	3056	-2038.28	269.797	-9.147	-3.148	156.697	8131.618
43056_3057	43056	3057	2038.275	-244.041	9.147	3.148	-69.777	-5690.31
43057_3057	43057	3057	-2038.29	244.041	-6.52	4.357	69.777	5657.224
43057_3058	43057	3058	2038.285	-223.503	6.52	-4.357	-19.266	-3846.08
43058_3058	43058	3058	-2038.29	223.503	-6.52	4.357	19.266	3846.082
43058_3059	43058	3059	2038.285	-202.964	6.52	-4.357	31.246	-2194.06
43059_3059	43059	3059	-2038.3	157.128	-7.028	0.191	-31.246	2194.084
43059_3060	43059	3060	2038.304	-135.899	7.028	-0.191	87.522	-1020.87
43060_3060	43060	3060	-2038.31	135.899	-4.653	1.38	-87.522	1020.868
43060_3061	43060	3061	2038.31	-114.7	4.653	-1.38	124.734	-18.857
43061_3061	43061	3061	-2038.31	114.7	-4.653	1.38	-124.734	18.857
43061_3062	43061	3062	2038.31	-93.5	4.653	-1.38	161.946	813.62
43062_3062	43062	3062	-2038.3	49.052	0.735	1.319	-161.946	-813.68
43062_3063	43062	3063	2038.299	-33.141	-0.735	-1.319	157.535	1060.343
43063_3063	43063	3063	-2038.3	33.141	0.735	1.319	-157.535	-1060.34
43063_3064	43063	3064	2038.299	-17.229	-0.735	-1.319	153.124	1211.504
43064_3064	43064	3064	-2038.3	17.229	0.735	1.319	-153.124	-1211.5
43064_3065	43064	3065	2038.299	-1.318	-0.735	-1.319	148.713	1267.164
43065_3065	43065	3065	-2038.3	1.318	3.915	-0.657	-148.713	-1267.17
43065_3066	43065	3066	2038.295	14.566	-3.915	0.657	125.258	1227.478
43066_3066	43066	3066	-2038.29	-59.173	5.015	0.683	-125.258	-1227.58
43066_3067	43066	3067	2038.291	80.394	-5.015	-0.683	85.116	668.965
43067_3067	43067	3067	-2038.29	-80.394	5.015	0.683	-85.116	-668.965
43067_3068	43067	3068	2038.291	101.616	-5.015	-0.683	44.973	-59.53
43068_3068	43068	3068	-2038.27	-101.616	9.949	0.827	-44.973	59.528
43068_3069	43068	3069	2038.273	122.807	-9.949	-0.827	-34.554	-956.527
43069_3069	43069	3069	-2038.27	-167.328	9.403	-3.85	34.554	956.539
43069_3070	43069	3070	2038.272	187.883	-9.403	3.85	-107.464	-2333.63
43070_3070	43070	3070	-2038.26	-187.883	11.875	-1.021	107.464	2333.636
43070_3071	43070	3071	2038.259	208.41	-11.875	1.021	-199.411	-3867.9
43071_3071	43071	3071	-2038.24	-208.41	14.542	4.576	199.411	3897.34
43071_3072	43071	3072	2038.242	234.174	-14.542	-4.576	-337.634	-6000.8
43072_3072	43072	3072	77.89	511.523	-1.872	-3.568	60.932	21714.38
43072_3073	43072	3073	-73.272	-472.155	1.872	3.568	-37.411	-15526.7
43073_3073	43073	3073	60.172	474.023	-1.886	7.766	36.127	15526.7
43073_3074	43073	3074	-56.855	-436.914	1.886	-7.766	-12.486	-9812.83
43074_3074	43074	3074	42.026	396.945	-0.082	3.73	12.967	9813.19
43074_3075	43074	3075	-39.732	-359.393	0.082	-3.73	-11.874	-4794.93
43075_3075	43075	3075	28.825	360.452	-0.112	10.498	11.794	4795.981
43075_3076	43075	3076	-27.897	-332.129	0.112	-10.498	-10.476	-723.466
43076_3076	43076	3076	20.576	283.055	1.122	2.156	10.67	723.688
43076_3077	43076	3077	-20.352	-263.401	-1.122	-2.156	-19.92	1528.128

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43077_3077	43077	3077	17.489	263.649	1.087	-0.738	19.962	-1532.45
43077_3078	43077	3078	-17.489	-226.863	-1.087	0.738	-35.781	5100.515
43078_3078	43078	3078	17.478	187.66	-0.285	1.708	35.781	-5100.63
43078_3079	43078	3079	-17.478	-159.257	0.285	-1.708	-32.581	7049.091
43079_3079	43079	3079	17.478	159.257	-0.285	1.708	32.581	-7049.09
43079_3080	43079	3080	-17.478	-130.853	0.285	-1.708	-29.382	8678.49
43080_3080	43080	3080	17.477	94.966	-0.263	5.092	29.382	-8678.66
43080_3081	43080	3081	-17.477	-66.539	0.263	-5.092	-26.427	9586.482
43081_3081	43081	3081	17.476	66.539	-0.278	-3.039	26.427	-9586.48
43081_3082	43081	3082	-17.476	-38.139	0.278	3.039	-23.309	10174.34
43082_3082	43082	3082	17.477	-0.46	-0.17	4.514	23.309	-10174.5
43082_3083	43082	3083	-17.477	30.984	0.17	-4.514	-21.252	9984.734
43083_3083	43083	3083	17.477	-30.984	-0.186	-4.105	21.252	-9984.73
43083_3084	43083	3084	-17.477	61.533	0.186	4.105	-19.01	9425.874
43084_3084	43084	3084	17.478	-100.175	-0.133	3.149	19.01	-9426.03
43084_3085	43084	3085	-17.478	128.571	0.133	-3.149	-17.519	8141.637
43085_3085	43085	3085	17.477	-128.571	-0.149	-4.391	17.519	-8141.64
43085_3086	43085	3086	-17.477	156.991	0.149	4.391	-15.845	6536.859
43086_3086	43086	3086	17.475	-194.134	-0.365	0.508	15.845	-6537.01
43086_3087	43086	3087	-17.475	222.552	0.365	-0.508	-11.74	4195.517
43087_3087	43087	3087	17.475	-222.552	-0.38	-3.079	11.74	-4195.52
43087_3088	43087	3088	-17.475	250.944	0.38	3.079	-7.472	1537.251
43088_3088	43088	3088	17.472	-288.549	-0.738	-2.7	7.472	-1537.27
43088_3089	43088	3089	-17.472	323.923	0.738	2.7	2.854	-2746.87
43089_3089	43089	3089	21.24	-323.672	-0.753	-0.248	-2.853	2753.109
43089_3090	43089	3090	-21.476	344.481	0.753	0.248	9.066	-5511.19
43090_3090	43090	3090	30.427	-388.004	-1.035	-6.646	-9.27	5511.211
43090_3091	43090	3091	-31.408	417.902	1.035	6.646	21.434	-10246.9
43091_3091	43091	3091	43.245	-416.797	-1.051	2.854	-21.058	10246.01
43091_3092	43091	3092	-45.495	453.723	1.051	-2.854	35.006	-16021.5
43092_3092	43092	3092	62.389	-498.534	2.472	-10.063	-36.119	16021.4
43092_3093	43092	3093	-65.646	535.078	-2.472	10.063	5.105	-22508.8
43093_3093	43093	3093	80.486	-533.029	2.459	7.357	-3.346	22508.77
43093_3094	43093	3094	-85.027	571.8	-2.459	-7.357	-27.549	-29456.9
43094_3094	43094	3094	-2350.16	239.383	-7.11	-8.059	63.55	8771.402
43094_3095	43094	3095	2350.157	-214.067	7.11	8.059	4.031	-6616.51
43095_3095	43095	3095	-2350.17	214.067	-2.173	5.969	-4.031	6618.75
43095_3096	43095	3096	2350.167	-194.035	2.173	-5.969	20.86	-5038.76
43096_3096	43096	3096	-2350.17	194.035	-2.087	6.153	-20.86	5038.757
43096_3097	43096	3097	2350.167	-173.977	2.087	-6.153	37.043	-3612.14
43097_3097	43097	3097	-2350.18	130.056	-2.362	-2.241	-37.043	3612.191
43097_3098	43097	3098	2350.18	-109.351	2.362	2.241	55.944	-2654.2
43098_3098	43098	3098	-2350.18	109.351	0.497	0.987	-55.944	2654.203
43098_3099	43098	3099	2350.181	-88.673	-0.497	-0.987	51.973	-1862.83
43099_3099	43099	3099	-2350.18	88.673	0.574	1.049	-51.973	1862.825
43099_3100	43099	3100	2350.181	-67.969	-0.574	-1.049	47.379	-1236.04
43100_3100	43100	3100	-2350.14	24.898	8.879	4.124	-47.379	1236.016
43100_3101	43100	3101	2350.136	-9.37	-8.879	-4.124	-5.909	-1133.18
43101_3101	43101	3101	-2350.14	9.37	8.879	4.124	5.909	1133.18
43101_3102	43101	3102	2350.136	6.157	-8.879	-4.124	-59.198	-1123.54
43102_3102	43102	3102	-2350.13	-6.157	-10.82	-5.293	59.198	1123.534
43102_3103	43102	3103	2350.127	21.663	10.82	5.293	5.648	-1206.9
43103_3103	43103	3103	-2350.14	-21.663	-6.776	-3.217	-5.648	1206.91

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43103_3104	43103	3104	2350.143	37.193	6.776	3.217	46.327	-1383.57
43104_3104	43104	3104	-2350.14	-80.335	-1.673	-1.804	-46.327	1383.57
43104_3105	43104	3105	2350.139	101.042	1.673	1.804	59.717	-2109.43
43105_3105	43105	3105	-2350.14	-101.042	1.174	0.751	-59.717	2109.432
43105_3106	43105	3106	2350.139	121.722	-1.174	-0.751	50.333	-2999.78
43106_3106	43106	3106	-2350.14	-121.722	1.262	0.863	-50.333	2999.776
43106_3107	43106	3107	2350.139	142.428	-1.262	-0.863	40.232	-4056.86
43107_3107	43107	3107	-2350.14	-185.809	4.186	-3.427	-40.232	4056.912
43107_3108	43107	3108	2350.137	205.867	-4.186	3.427	7.776	-5575.27
43108_3108	43108	3108	-2350.14	-205.867	4.1	-3.631	-7.776	5575.267
43108_3109	43108	3109	2350.137	225.899	-4.1	3.631	-23.972	-7246.88
43109_3109	43109	3109	-2350.13	-225.899	6.578	4.214	23.972	7243.897
43109_3110	43109	3110	2350.132	251.213	-6.578	-4.214	-86.49	-9511.03
43110_3110	43110	3110	94.275	554.519	-2.324	-18.038	42.301	30446.84
43110_3111	43110	3111	-89.734	-515.754	2.324	18.038	-13.107	-23717.6
43111_3111	43111	3111	75.408	518.061	-2.371	19.864	9.132	23717.57
43111_3112	43111	3112	-72.151	-481.524	2.371	-19.864	20.604	-17445.5
43112_3112	43112	3112	56.165	442.324	0.834	-1.865	-18.675	17445.87
43112_3113	43112	3113	-53.915	-405.38	-0.834	1.865	7.602	-11819.5
43113_3113	43113	3113	41.876	406.806	0.798	12.423	-8.044	11821.85
43113_3114	43113	3114	-40.905	-377.217	-0.798	-12.423	-1.33	-7216.67
43114_3114	43114	3114	32.65	329.133	0.607	2.212	1.624	7216.849
43114_3115	43114	3115	-32.416	-308.543	-0.607	-2.212	-6.636	-4585.78
43115_3115	43115	3115	29.084	308.918	0.61	1.691	6.653	4575.07
43115_3116	43115	3116	-29.084	-274.771	-0.61	-1.691	-15.496	-342.421
43116_3116	43116	3116	29.084	235.602	-0.343	3.879	15.496	342.405
43116_3117	43116	3117	-29.084	-209.133	0.343	-3.879	-11.637	2157.443
43117_3117	43117	3117	29.084	209.133	-0.395	0.074	11.637	-2157.45
43117_3118	43117	3118	-29.084	-182.69	0.395	-0.074	-7.204	4357.848
43118_3118	43118	3118	29.085	147.68	0.12	6.686	7.204	-4357.86
43118_3119	43118	3119	-29.085	-121.236	-0.12	-6.686	-8.553	5868.047
43119_3119	43119	3119	29.085	121.236	0.068	-3.762	8.553	-5868.05
43119_3120	43119	3120	-29.085	-94.793	-0.068	3.762	-9.32	7081.195
43120_3120	43120	3120	29.084	57.227	-0.23	3.836	9.32	-7081.18
43120_3121	43120	3121	-29.084	-28.806	0.23	-3.836	-6.541	7600.448
43121_3121	43121	3121	29.084	28.806	-0.254	-2.46	6.541	-7600.45
43121_3122	43121	3122	-29.084	-0.386	0.254	2.46	-3.471	7776.641
43122_3122	43122	3122	29.084	-37.68	-0.033	2.999	3.471	-7776.64
43122_3123	43122	3123	-29.084	64.122	0.033	-2.999	-3.099	7204.983
43123_3123	43123	3123	29.084	-64.122	-0.059	-3.484	3.099	-7204.98
43123_3124	43123	3124	-29.084	90.587	0.059	3.484	-2.433	6335.469
43124_3124	43124	3124	29.084	-127.941	-0.322	3.145	2.433	-6335.47
43124_3125	43124	3125	-29.084	154.383	0.322	-3.145	1.187	4750.145
43125_3125	43125	3125	29.083	-154.383	-0.374	-5.314	-1.187	-4750.14
43125_3126	43125	3126	-29.083	180.824	0.374	5.314	5.389	2867.901
43126_3126	43126	3126	29.079	-219.241	-0.604	-1.911	-5.389	-2867.93
43126_3127	43126	3127	-29.079	251.756	0.604	1.911	13.728	-384.392
43127_3127	43127	3127	32.083	-251.38	-0.638	-1.153	-13.738	393.009
43127_3128	43127	3128	-32.297	270.284	0.638	1.153	19.003	-2545.01
43128_3128	43128	3128	39.883	-317.561	-2.843	-7.415	-19.221	2544.88
43128_3129	43128	3129	-40.776	344.771	2.843	7.415	52.641	-6437.89
43129_3129	43129	3129	50.595	-343.415	-2.904	7.897	-51.975	6434.278
43129_3130	43129	3130	-52.774	379.185	2.904	-7.897	90.498	-11229.1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43130_3130	43130	3130	67.622	-423.755	7.978	-6.269	-91.695	11228.99
43130_3131	43130	3131	-70.781	459.184	-7.978	6.269	-8.305	-16767.9
43131_3131	43131	3131	87.252	-456.316	7.958	4.934	9.532	16767.88
43131_3132	43131	3132	-91.665	491.529	-7.958	-4.934	-103.015	-22345.3
43132_3132	43132	3132	-2050.09	218.425	15.116	13.815	-128.414	6321.898
43132_3133	43132	3133	2050.094	-191.894	-15.116	-13.815	-27.276	-4208.76
43133_3133	43133	3133	-2050.11	191.894	12.47	10.803	27.276	4235.267
43133_3134	43133	3134	2050.111	-173.643	-12.47	-10.803	-123.921	-2818.81
43134_3134	43134	3134	-2050.12	173.643	-11.234	-21.79	123.921	2818.746
43134_3135	43134	3135	2050.118	-155.32	11.234	21.79	-36.511	-1538.97
43135_3135	43135	3135	-2050.38	114.87	0.334	0.006	36.511	1539.392
43135_3136	43135	3136	2050.382	-96.029	-0.334	-0.006	-39.186	-695.685
43136_3136	43136	3136	-2050.38	96.029	0.334	0.006	39.186	695.685
43136_3137	43136	3137	2050.382	-77.187	-0.334	-0.006	-41.861	-2.732
43137_3137	43137	3137	-2050.38	77.187	2.858	0.009	41.861	2.732
43137_3138	43137	3138	2050.38	-58.369	-2.858	-0.009	-64.701	538.873
43138_3138	43138	3138	-2050.34	17.507	-3.086	0.294	64.701	-538.958
43138_3139	43138	3139	2050.338	-3.376	3.086	-0.294	-46.183	601.617
43139_3139	43139	3139	-2050.34	3.376	-3.086	0.294	46.183	-601.617
43139_3140	43139	3140	2050.338	10.755	3.086	-0.294	-27.664	579.476
43140_3140	43140	3140	-2050.34	-10.755	0.33	-0.671	27.664	-579.475
43140_3141	43140	3141	2050.34	24.887	-0.33	0.671	-29.646	472.537
43141_3141	43141	3141	-2050.34	-24.887	-3.086	0.116	29.646	-472.538
43141_3142	43141	3142	2050.338	39.018	3.086	-0.116	-11.128	280.797
43142_3142	43142	3142	-2050.34	-81.084	-2.353	-0.037	11.128	-280.875
43142_3143	43142	3143	2050.339	99.926	2.353	0.037	7.696	-443.257
43143_3143	43143	3143	-2050.34	-99.926	0.21	0.517	-7.696	443.257
43143_3144	43143	3144	2050.34	118.767	-0.21	-0.517	6.018	-1318.13
43144_3144	43144	3144	-2050.34	-118.767	-2.353	-1.13	-6.018	1318.125
43144_3145	43144	3145	2050.339	137.609	2.353	1.13	24.841	-2343.76
43145_3145	43145	3145	-2050.37	-181.645	1.156	0.772	-24.841	2343.765
43145_3146	43145	3146	2050.368	199.898	-1.156	-0.772	15.884	-3822.42
43146_3146	43146	3146	-2050.37	-199.898	-1.489	-4.159	-15.884	3822.422
43146_3147	43146	3147	2050.368	218.151	1.489	4.159	27.429	-5442.59
43147_3147	43147	3147	-2050.37	-218.151	0.529	1.921	-27.429	5419.438
43147_3148	43147	3148	2050.368	242.625	-0.529	-1.921	22.402	-7608.4
43148_3148	43148	3148	105.83	477.731	-1.363	0.676	1.639	24354.93
43148_3149	43148	3149	-101.418	-440.07	1.363	-0.676	15.479	-18585.7
43149_3149	43149	3149	89.165	442.722	-1.364	1.326	-15.479	18585.68
43149_3150	43149	3150	-86.006	-407.289	1.364	-1.326	32.58	-13253.2
43150_3150	43150	3150	71.913	366.671	-0.107	1.073	-32.48	13253.13
43150_3151	43150	3151	-69.734	-330.896	0.107	-1.073	33.902	-8624.1
43151_3151	43151	3151	59.583	332.783	-0.091	0.778	-33.826	8626.98
43151_3152	43151	3152	-58.666	-304.827	0.091	-0.778	34.893	-4879.18
43152_3152	43152	3152	51.934	253.694	1.568	1.792	-34.878	4879.152
43152_3153	43152	3153	-51.713	-234.267	-1.568	-1.792	21.942	-2866.01
43153_3153	43153	3153	49.232	234.851	1.58	1.096	-21.929	2865.554
43153_3154	43153	3154	-49.232	-203.497	-1.58	-1.096	0.215	146.278
43154_3154	43154	3154	49.256	161.404	0.01	2.081	-0.215	-146.264
43154_3155	43154	3155	-49.256	-136.302	-0.01	-2.081	0.1	1783.861
43155_3155	43155	3155	49.256	136.302	-0.034	0.459	-0.1	-1783.86
43155_3156	43155	3156	-49.256	-111.2	0.034	-0.459	0.477	3145.285
43156_3156	43156	3156	49.249	75.307	0.423	0.652	-0.477	-3145.31

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43156_3157	43156	3157	-49.249	-52.465	-0.423	-0.652	-3.759	3784.887
43157_3157	43157	3157	49.249	52.465	0.423	0.652	3.759	-3784.89
43157_3158	43157	3158	-49.249	-29.622	-0.423	-0.652	-7.995	4195.784
43158_3158	43158	3158	49.257	-3.863	-0.146	-0.107	7.995	-4195.8
43158_3159	43158	3159	-49.257	26.706	0.146	0.107	-6.531	4042.778
43159_3159	43159	3159	49.257	-26.706	-0.147	-0.171	6.531	-4042.78
43159_3160	43159	3160	-49.257	49.571	0.147	0.171	-5.057	3660.58
43160_3160	43160	3160	49.262	-86.953	-0.343	0.244	5.057	-3660.58
43160_3161	43160	3161	-49.262	112.032	0.343	-0.244	-1.29	2567.01
43161_3161	43161	3161	49.261	-112.032	-0.388	-2.127	1.29	-2567.01
43161_3162	43161	3162	-49.261	137.133	0.388	2.127	2.982	1196.439
43162_3162	43162	3162	49.259	-177.371	-0.191	-0.921	-2.982	-1196.43
43162_3163	43162	3163	-49.259	208.748	0.191	0.921	5.612	-1458.47
43163_3163	43163	3163	51.784	-208.161	-0.143	-2.351	-5.632	1458.699
43163_3164	43163	3164	-52.005	227.565	0.143	2.351	6.806	-3254.22
43164_3164	43164	3164	58.741	-276.371	-1.293	0.392	-6.763	3254.071
43164_3165	43164	3165	-59.657	304.328	1.293	-0.392	21.963	-6667.59
43165_3165	43165	3165	68.376	-302.455	-1.267	-3.514	-22.202	6659.811
43165_3166	43165	3166	-70.584	338.697	1.267	3.514	39.014	-10914.6
43166_3166	43166	3166	84.839	-389.335	2.087	-1.713	-39.003	10914.66
43166_3167	43166	3167	-88.038	425.209	-2.087	1.713	12.835	-16025.1
43167_3167	43167	3167	99.816	-422.595	2.087	-1.385	-12.876	16025.08
43167_3168	43167	3168	-104.28	460.726	-2.087	1.385	-13.353	-21582.6
43168_3168	43168	3168	-1964.47	245.622	-6.453	-3.937	106.292	6762.876
43168_3169	43168	3169	1964.471	-220.813	6.453	3.937	-44.983	-4547
43169_3169	43169	3169	-1964.48	220.813	-3.785	3.263	44.983	4572.691
43169_3170	43169	3170	1964.478	-202.057	3.785	-3.263	-15.645	-2933.87
43170_3170	43170	3170	-1964.48	202.057	-3.785	3.263	15.645	2933.874
43170_3171	43170	3171	1964.478	-183.3	3.785	-3.263	13.693	-1440.44
43171_3171	43171	3171	-1964.57	136.075	0.016	0.226	-13.693	1440.507
43171_3172	43171	3172	1964.568	-116.737	-0.016	-0.226	13.562	-430.389
43172_3172	43172	3172	-1964.57	116.737	0.056	0.235	-13.562	430.389
43172_3173	43172	3173	1964.568	-97.376	-0.056	-0.235	13.112	426.177
43173_3173	43173	3173	-1964.57	97.376	0.056	0.235	-13.112	-426.177
43173_3174	43173	3174	1964.568	-78.014	-0.056	-0.235	12.661	1127.829
43174_3174	43174	3174	-1964.56	33.584	1.997	-0.97	-12.661	-1127.91
43174_3175	43174	3175	1964.56	-19.063	-1.997	0.97	0.679	1285.872
43175_3175	43175	3175	-1964.56	19.063	-1.277	1.172	-0.679	-1285.87
43175_3176	43175	3176	1964.561	-4.542	1.277	-1.172	8.34	1356.697
43176_3176	43176	3176	-1964.56	4.542	1.997	-1.088	-8.34	-1356.7
43176_3177	43176	3177	1964.56	9.979	-1.997	1.088	-3.642	1340.384
43177_3177	43177	3177	-1964.56	-9.979	-1.277	1.145	3.642	-1340.38
43177_3178	43177	3178	1964.561	24.5	1.277	-1.145	4.019	1236.931
43178_3178	43178	3178	-1964.56	-69.399	-0.827	-0.231	-4.019	-1236.94
43178_3179	43178	3179	1964.556	88.76	0.827	0.231	10.638	604.223
43179_3179	43179	3179	-1964.56	-88.76	-0.827	-0.231	-10.638	-604.223
43179_3180	43179	3180	1964.556	108.122	0.827	0.231	17.258	-183.411
43180_3180	43180	3180	-1964.56	-108.122	1.628	-0.001	-17.258	183.411
43180_3181	43180	3181	1964.555	127.483	-1.628	0.001	4.235	-1125.94
43181_3181	43181	3181	-1964.64	-174.303	2.915	-3.058	-4.235	1126.019
43181_3182	43181	3182	1964.643	193.036	-2.915	3.058	-18.327	-2547.82
43182_3182	43182	3182	-1964.64	-193.036	5.492	0.284	18.327	2547.822
43182_3183	43182	3183	1964.637	211.792	-5.492	-0.284	-60.892	-4116.72

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43183_3183	43183	3183	-1964.64	-211.792	4.891	-0.017	60.892	4096.112
43183_3184	43183	3184	1964.639	236.6	-4.891	0.017	-107.365	-6226.24
43184_3184	43184	3184	101.574	471.866	-2.32	1.256	22.022	20969.82
43184_3185	43184	3185	-97.11	-433.736	2.32	-1.256	7.128	-15272.7
43185_3185	43185	3185	85.069	436.269	-2.32	1.446	-7.093	15272.72
43185_3186	43185	3186	-81.87	-400.396	2.32	-1.446	36.176	-10023.9
43186_3186	43186	3186	67.687	355.569	0.541	0.937	-36.053	10023.87
43186_3187	43186	3187	-65.479	-319.327	-0.541	-0.937	28.879	-5545.31
43187_3187	43187	3187	55.581	321.181	0.556	-0.348	-28.802	5563.238
43187_3188	43187	3188	-54.623	-291.958	-0.556	0.348	22.273	-1959.3
43188_3188	43188	3188	48.172	237.206	0.855	1.044	-22.278	1959.306
43188_3189	43188	3189	-47.941	-216.89	-0.855	-1.044	15.226	-85.877
43189_3189	43189	3189	45.662	217.421	0.866	1.001	-15.221	92.647
43189_3190	43189	3190	-45.662	-183.186	-0.866	-1.001	3.316	2659.88
43190_3190	43190	3190	45.671	139.84	0.282	0.735	-3.316	-2659.9
43190_3191	43190	3191	-45.671	-112.432	-0.282	-0.735	0.217	4047.579
43191_3191	43191	3191	45.671	112.432	0.282	0.735	-0.217	-4047.58
43191_3192	43191	3192	-45.671	-85.023	-0.282	-0.735	-2.882	5133.729
43192_3192	43192	3192	45.671	45.673	0.282	-0.052	2.882	-5133.7
43192_3193	43192	3193	-45.671	-20.582	-0.282	0.052	-5.72	5467.342
43193_3193	43193	3193	45.671	20.582	0.282	-0.052	5.72	-5467.34
43193_3194	43193	3194	-45.671	4.509	-0.282	0.052	-8.558	5548.283
43194_3194	43194	3194	45.702	-40.659	-1.398	-0.966	8.558	-5548.3
43194_3195	43194	3195	-45.702	65.75	1.398	0.966	5.519	5012.459
43195_3195	43195	3195	45.702	-65.75	-1.398	-0.966	-5.519	-5012.46
43195_3196	43195	3196	-45.702	90.841	1.398	0.966	19.596	4223.92
43196_3196	43196	3196	45.665	-129.858	0.144	-3.058	-19.596	-4223.91
43196_3197	43196	3197	-45.665	157.241	-0.144	3.058	18.015	2646.115
43197_3197	43197	3197	45.665	-157.241	0.185	-0.69	-18.015	-2646.12
43197_3198	43197	3198	-45.665	184.65	-0.185	0.69	15.982	765.466
43198_3198	43198	3198	45.685	-226.401	-0.734	-2.28	-15.982	-765.499
43198_3199	43198	3199	-45.685	260.661	0.734	2.28	26.075	-2583.48
43199_3199	43199	3199	48.876	-260.112	-0.745	-1.624	-26.087	2570.325
43199_3200	43199	3200	-49.121	281.269	0.745	1.624	32.234	-4803.91
43200_3200	43200	3200	57.199	-330.801	-0.442	-2.719	-32.299	4803.911
43200_3201	43200	3201	-58.216	361.196	0.442	2.719	37.488	-8868.43
43201_3201	43201	3201	68.636	-359.345	-0.457	0.136	-37.415	8862.359
43201_3202	43201	3202	-71.138	399.853	0.457	-0.136	43.478	-13901.1
43202_3202	43202	3202	87.168	-449.239	2.579	-1.446	-43.651	13901.07
43202_3203	43202	3203	-90.766	489.138	-2.579	1.446	11.32	-19789.3
43203_3203	43203	3203	104.369	-486.42	2.579	-1.219	-11.354	19789.3
43203_3204	43203	3204	-109.351	528.576	-2.579	1.219	-21.052	-26176.6
43204_3204	43204	3204	-2210.12	271.924	-1.226	3.277	35.382	8719.359
43204_3205	43204	3205	2210.123	-244.057	1.226	-3.277	-23.73	-6268.14
43205_3205	43205	3205	-2210.12	244.057	-3.402	-2.067	23.73	6020.592
43205_3206	43205	3206	2210.121	-222.805	3.402	2.067	2.64	-4211.25
43206_3206	43206	3206	-2210.12	222.805	-0.551	3.366	-2.64	4211.247
43206_3207	43206	3207	2210.123	-201.553	0.551	-3.366	6.911	-2566.66
43207_3207	43207	3207	-2210.08	150.613	-4.086	0.806	-6.911	2566.728
43207_3208	43207	3208	2210.079	-128.675	4.086	-0.806	39.606	-1449.43
43208_3208	43208	3208	-2210.08	128.675	-4.131	0.777	-39.606	1449.428
43208_3209	43208	3209	2210.079	-106.765	4.131	-0.777	72.619	-508.72
43209_3209	43209	3209	-2210.08	106.765	-1.324	1.423	-72.619	508.719

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43209_3210	43209	3210	2210.082	-84.828	1.324	-1.423	83.216	257.738
43210_3210	43210	3210	-2210.13	34.546	-2.345	1.131	-83.216	-257.864
43210_3211	43210	3211	2210.132	-18.093	2.345	-1.131	97.288	415.804
43211_3211	43211	3211	-2210.13	18.093	-2.345	1.131	-97.288	-415.804
43211_3212	43211	3212	2210.132	-1.64	2.345	-1.131	111.359	475.009
43212_3212	43212	3212	-2210.13	1.64	1.338	0.339	-111.359	-475.011
43212_3213	43212	3213	2210.132	14.813	-1.338	-0.339	103.332	435.485
43213_3213	43213	3213	-2210.13	-14.813	-2.345	1.065	-103.332	-435.483
43213_3214	43213	3214	2210.132	31.267	2.345	-1.065	117.404	297.224
43214_3214	43214	3214	-2210.24	-81.742	6.623	1.065	-117.404	-297.226
43214_3215	43214	3215	2210.243	103.679	-6.623	-1.065	64.414	-444.543
43215_3215	43215	3215	-2210.25	-103.679	3.861	0.509	-64.414	444.544
43215_3216	43215	3216	2210.249	125.617	-3.861	-0.509	33.524	-1361.85
43216_3216	43216	3216	-2210.25	-125.617	3.861	0.509	-33.524	1361.851
43216_3217	43216	3217	2210.249	147.555	-3.861	-0.509	2.633	-2454.68
43217_3217	43217	3217	-2210.27	-197.637	6.796	-5.259	-2.633	2454.595
43217_3218	43217	3218	2210.272	218.889	-6.796	5.259	-50.039	-4068.83
43218_3218	43218	3218	-2210.28	-218.889	3.944	-10.508	50.039	4068.816
43218_3219	43218	3219	2210.279	240.141	-3.944	10.508	-80.611	-5847.81
43219_3219	43219	3219	-2210.24	-240.141	13.069	15.716	80.611	6102.788
43219_3220	43219	3220	2210.244	267.978	-13.069	-15.716	-204.648	-8514.01
43220_3220	43220	3220	103.099	543.752	-3.298	-28.541	59.398	25957.93
43220_3221	43220	3221	-98.117	-501.601	3.298	28.541	-17.942	-19381.1
43221_3221	43221	3221	84.151	504.143	-3.42	32.716	11.345	19381.14
43221_3222	43221	3222	-80.552	-464.249	3.42	-32.716	31.545	-13305.8
43222_3222	43222	3222	64.434	419.593	5.089	-1.808	-28.378	13305.31
43222_3223	43222	3223	-61.932	-379.09	-5.089	1.808	-39.156	-8005.41
43223_3223	43223	3223	50.107	380.896	4.89	30.273	38.293	8036.185
43223_3224	43223	3224	-49.038	-348.892	-4.89	-30.273	-95.765	-3746.93
43224_3224	43224	3224	41.29	289.374	-2.93	-3.879	96.38	3746.969
43224_3225	43224	3225	-41.032	-267.104	2.93	3.879	-72.204	-1451.36
43225_3225	43225	3225	38.164	267.533	-3.108	2.281	72.233	1455.628
43225_3226	43225	3226	-38.164	-222.984	3.108	-2.281	-22.719	2451.617
43226_3226	43226	3226	38.107	174.366	1.264	10.65	22.719	-2451.47
43226_3227	43226	3227	-38.107	-140.526	-1.264	-10.65	-38.017	4356.806
43227_3227	43227	3227	38.112	140.526	1.106	-7.419	38.017	-4356.81
43227_3228	43227	3228	-38.112	-106.712	-1.106	7.419	-51.393	5851.66
43228_3228	43228	3228	38.173	60.144	-1.595	13.876	51.393	-5850.68
43228_3229	43228	3229	-38.173	-24.211	1.595	-13.876	-32.104	6360.739
43229_3229	43229	3229	38.166	24.211	-1.753	-12.413	32.104	-6360.74
43229_3230	43229	3230	-38.166	11.727	1.753	12.413	-10.905	6436.235
43230_3230	43230	3230	38.073	-57.425	0.718	10.234	10.905	-6434.78
43230_3231	43230	3231	-38.073	93.87	-0.718	-10.234	-19.712	5506.917
43231_3231	43231	3231	38.076	-93.87	0.562	-12.355	19.712	-5506.91
43231_3232	43231	3232	-38.076	130.291	-0.562	12.355	-26.598	4133.12
43232_3232	43232	3232	37.837	-181.902	8.029	0.946	26.598	-4132.07
43232_3233	43232	3233	-37.837	205.185	-8.029	-0.946	-89.511	2615.514
43233_3233	43233	3233	37.841	-205.185	8.006	-0.652	89.511	-2615.51
43233_3234	43233	3234	-37.841	227.339	-8.006	0.652	-149.2	1003.142
43234_3234	43234	3234	40.723	-226.905	7.899	-4.892	149.149	-1003.14
43234_3235	43234	3235	-41.033	253.791	-7.899	4.892	-219.195	-1128.32
43235_3235	43235	3235	47.299	-305.371	-4.109	-7.473	219.121	1128.204
43235_3236	43235	3236	-47.79	323.235	4.109	7.473	-195.013	-2972.6

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43236_3236	43236	3236	51.887	-322.575	-4.158	-1.917	195.181	2958.275
43236_3237	43236	3237	-52.545	339.294	4.158	1.917	-173.289	-4702.31
43237_3237	43237	3237	58.353	-338.348	-4.269	5.472	173.864	4701.711
43237_3238	43237	3238	-60.447	375.391	4.269	-5.472	-131.578	-8240.87
43238_3238	43238	3238	72.637	-419.546	-8.873	-15.485	130.245	8238.475
43238_3239	43238	3239	-75.734	458.977	8.873	15.485	-38.894	-12765.2
43239_3239	43239	3239	86.393	-457.104	-8.963	12.937	41.61	12765.17
43239_3240	43239	3240	-90.738	499.833	8.963	-12.937	55.151	-17938
43240_3240	43240	3240	104.657	-521.941	-24.73	-42.603	-61.476	17929.29
43240_3241	43240	3241	-108.318	552.056	24.73	42.603	244.173	-21891
43241_3241	43241	3241	-2181.01	352.112	-6.186	7.62	306.693	7571.344
43241_3242	43241	3242	2181.005	-317.6	6.186	-7.62	-247.951	-4391.38
43242_3242	43242	3242	-2181.01	317.6	1.618	22.718	247.951	4400.185
43242_3243	43242	3243	2181.013	-290.098	-1.618	-22.718	-260.372	-2068.14
43243_3243	43243	3243	-2178.12	228.362	-37.549	0.953	260.372	2066.377
43243_3244	43243	3244	2178.119	-194.249	37.549	-0.953	97.104	-54.702
43244_3244	43244	3244	-2178.2	194.249	-32.784	1.073	-97.104	54.7
43244_3245	43244	3245	2178.196	-158.048	32.784	-1.073	428.321	1724.915
43245_3245	43245	3245	-2179.09	110.53	-12.459	6.612	-428.321	-1724.17
43245_3246	43245	3246	2179.093	-74.897	12.459	-6.612	552.226	2646.172
43246_3246	43246	3246	-2179.13	74.897	-3.687	-4.04	-552.226	-2646.18
43246_3247	43246	3247	2179.125	-40.222	3.687	4.04	587.905	3203.17
43247_3247	43247	3247	-2179.14	-10.05	0.425	6.74	-587.905	-3202.31
43247_3248	43247	3248	2179.139	42.968	-0.425	-6.74	584.004	2958.777
43248_3248	43248	3248	-2179.13	-42.968	7.764	-3.225	-584.004	-2958.78
43248_3249	43248	3249	2179.125	80.352	-7.764	3.225	503.005	2315.475
43249_3249	43249	3249	-2177.65	-122.599	-18.437	1.597	-503.005	-2314.97
43249_3250	43249	3250	2177.648	159.236	18.437	-1.597	691.517	874.15
43250_3250	43250	3250	-2177.69	-159.236	-12.068	-0.959	-691.517	-874.151
43250_3251	43250	3251	2177.693	192.933	12.068	0.959	805.01	-781.763
43251_3251	43251	3251	-2181.14	-234.266	78.461	-7.988	-805.01	781.355
43251_3252	43251	3252	2181.144	264.375	-78.461	7.988	145.727	-2876.31
43252_3252	43252	3252	-2180.87	-264.375	85.741	1.613	-145.727	2876.316
43252_3253	43252	3253	2180.87	294.564	-85.741	-1.613	-576.664	-5230.92
43253_3253	43253	3253	-2180.76	-294.564	88.504	8.242	576.664	5229.777
43253_3254	43253	3254	2180.76	322.413	-88.504	-8.242	-1254.87	-7593.71
43254_3254	43254	3254	-2176.39	-355.028	-34.001	-125.204	1254.869	7588.746
43254_3255	43254	3255	2176.39	366.893	34.001	125.204	-1143.87	-8767.19
43255_3255	43255	3255	116.392	508.421	-51.712	3.437	821.944	22907.99
43255_3256	43255	3256	-110.849	-466.813	51.712	-3.437	-289.778	-17892
43256_3256	43256	3256	92.922	470.687	-51.863	49.054	283.998	17892.04
43256_3257	43256	3257	-89.872	-438.622	51.863	-49.054	141.212	-14165.1
43257_3257	43257	3257	76.617	400.839	3.987	-22.115	-134.4	14161.83
43257_3258	43257	3258	-73.779	-363.149	-3.987	22.115	94.855	-10384.3
43258_3258	43258	3258	66.459	364.553	3.888	2.011	-96.664	10384.33
43258_3259	43258	3259	-64.68	-332.403	-3.888	-2.011	63.093	-7380.46
43259_3259	43259	3259	59.995	333.282	3.745	30.091	-64.28	7380.694
43259_3260	43259	3260	-59.582	-323.24	-3.745	-30.091	52.426	-6342.98
43260_3260	43260	3260	51.813	263.845	7.24	-11.313	-51.076	6288.852
43260_3261	43260	3261	-51.071	-239.382	-7.24	11.313	-3.189	-4402.37
43261_3261	43261	3261	46.45	240.425	7.148	-2.162	3.104	4402.385
43261_3262	43261	3262	-46.08	-210.077	-7.148	2.162	-69.917	-2296.87
43262_3262	43262	3262	43.346	210.727	7	5.416	69.916	2281.749

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43262_3263	43262	3263	-43.346	-186.245	-7	-5.416	-123.535	-761.429
43263_3263	43263	3263	43.489	128.772	-5.344	0.501	123.535	761.388
43263_3264	43263	3264	-43.489	-92.761	5.344	-0.501	-63.326	486.552
43264_3264	43264	3264	43.475	92.761	-5.455	-0.742	63.326	-486.552
43264_3265	43264	3265	-43.475	-55.098	5.455	0.742	0.955	1357.697
43265_3265	43265	3265	43.434	5.557	-1.132	1.37	-0.955	-1357.63
43265_3266	43265	3266	-43.434	31.578	1.132	-1.37	14.112	1206.475
43266_3266	43266	3266	43.429	-31.578	-1.297	-3.193	-14.112	-1206.47
43266_3267	43266	3267	-43.429	68.119	1.297	3.193	28.936	636.588
43267_3267	43267	3267	43.426	-117.608	-0.275	-4.065	-28.936	-636.59
43267_3268	43267	3268	-43.426	154.713	0.275	4.065	32.133	-944.049
43268_3268	43268	3268	43.425	-154.713	-0.397	-1.422	-32.133	944.056
43268_3269	43268	3269	-43.425	191.283	0.397	1.422	36.675	-2923.4
43269_3269	43269	3269	43.372	-244.33	-5.951	-15.645	-36.675	2923.647
43269_3270	43269	3270	-43.372	283.34	5.951	15.645	109.299	-6143.7
43270_3270	43270	3270	43.349	-283.34	-6.116	7.8	-109.299	6143.717
43270_3271	43270	3271	-43.349	321.984	6.116	-7.8	183.242	-9802.93
43271_3271	43271	3271	43.508	-377.858	14.778	-43.667	-183.242	9803.611
43271_3272	43271	3272	-43.508	400.012	-14.778	43.667	80.813	-12499.3
43272_3272	43272	3272	48.269	-399.357	14.677	-15.217	-80.957	12517.51
43272_3273	43272	3273	-48.666	431.826	-14.677	15.217	-57.604	-16440.9
43273_3273	43273	3273	56.733	-430.677	14.541	34.428	58.539	16440.83
43273_3274	43273	3274	-57.627	459.186	-14.541	-34.428	-178.266	-20104.6
43274_3274	43274	3274	63.584	-514.092	-48.439	-51.257	175.827	20107.03
43274_3275	43274	3275	-63.928	522.204	48.439	51.257	-63.055	-21313.5
43275_3275	43275	3275	70.11	-521.386	-48.475	-37.13	63.171	21325.59
43275_3276	43275	3276	-71.967	555.483	48.475	37.13	357.114	-25994.5
43276_3276	43276	3276	82.075	-553.963	-48.597	43.624	-352.937	25994.59
43276_3277	43276	3277	-84.641	588.949	48.597	-43.624	776.376	-30975.2
43277_3277	43277	3277	101.433	-602.925	43.052	-79.506	-788.515	31020.33
43277_3278	43277	3278	-105.533	646.459	-43.052	79.506	338.256	-37552
43278_3278	43278	3278	127.525	-642.484	42.959	11.679	-330.421	37552.14
43278_3279	43278	3279	-132.877	684.208	-42.959	-11.679	-84.778	-43961.4
43279_3279	43279	3279	-3281.52	504.02	22.016	155.849	414.06	16072.55
43279_3280	43279	3280	3281.515	-488.104	-22.016	-155.849	-504.87	-14026.4
43280_3280	43280	3280	-3282.21	373.502	-72.413	-34.294	504.87	14027.78
43280_3281	43280	3281	3282.207	-349.295	72.413	34.294	-50.59	-11760.6
43281_3281	43281	3281	-3282.42	349.295	-61.92	-3.138	50.59	12059.33
43281_3282	43281	3282	3282.422	-314.383	61.92	3.138	547.155	-8855.92
43282_3282	43282	3282	-3282.59	314.383	-52.19	23.111	-547.155	8855.892
43282_3283	43282	3283	3282.591	-284.15	52.19	-23.111	983.455	-6354.09
43283_3283	43283	3283	-3282.21	254.938	14.097	-5.877	-983.455	6326.48
43283_3284	43283	3284	3282.207	-216.577	-14.097	5.877	809.177	-3411.78
43284_3284	43284	3284	-3282.13	216.577	26.729	7.254	-809.177	3411.779
43284_3285	43284	3285	3282.128	-179.576	-26.729	-7.254	490.447	-1049.8
43285_3285	43285	3285	-3282.29	82.569	6.008	0.328	-490.447	1049.862
43285_3286	43285	3286	3282.292	-45.832	-6.008	-0.328	419.313	-289.756
43286_3286	43286	3286	-3282.24	45.832	20.079	1.57	-419.313	289.752
43286_3287	43286	3287	3282.236	-13.517	-20.079	-1.57	210.194	19.302
43287_3287	43287	3287	-3282.12	-32.149	25.627	-0.218	-210.194	-19.406
43287_3288	43287	3288	3282.119	67.196	-25.627	0.218	-79.268	-541.645
43288_3288	43288	3288	-3282.01	-67.196	36.771	1.621	79.268	541.642
43288_3289	43288	3289	3282.013	101.128	-36.771	-1.621	-481.391	-1462.02

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43289_3289	43289	3289	-3282.57	-187.491	-12.077	-7.121	481.391	1462.174
43289_3290	43289	3290	3282.566	213.445	12.077	7.121	-380.373	-3138.98
43290_3290	43290	3290	-3282.58	-213.445	-4.926	-0.283	380.373	3138.986
43290_3291	43290	3291	3282.584	237.828	4.926	0.283	-341.664	-4912.13
43291_3291	43291	3291	-3282.59	-237.828	1.635	9.822	341.664	4616.885
43291_3292	43291	3292	3282.587	264.193	-1.635	-9.822	-354.553	-6595.33
43292_3292	43292	3292	-3282.88	-328.434	-11.706	-43.661	354.553	6596.269
43292_3293	43292	3293	3282.875	336.831	11.706	43.661	-325.167	-7431.28
43293_3293	43293	3293	125.484	919.386	-13.056	-47.844	57.063	31313.52
43293_3294	43293	3294	-121.542	-887.119	13.056	47.844	53.609	-23654.4
43294_3294	43294	3294	89.706	890.893	-13.108	50.232	-63.802	23654.34
43294_3295	43294	3295	-86.6	-854.815	13.108	-50.232	192.479	-15084.7
43295_3295	43295	3295	59.478	779.592	7.2	-19.094	-186.573	15085.73
43295_3296	43295	3296	-57.17	-740.731	-7.2	19.094	108.121	-6802.11
43296_3296	43296	3296	39.213	741.89	7.148	10.433	-109.62	6802.108
43296_3297	43296	3297	-38.195	-712.951	-7.148	-10.433	50.463	-782.171
43297_3297	43297	3297	25.65	713.507	7.111	13.432	-50.343	781.718
43297_3298	43297	3298	-25.418	-700.32	-7.111	-13.432	19.641	2270.512
43298_3298	43298	3298	15.354	615.855	1.337	16.823	-19.424	-2279.99
43298_3299	43298	3299	-15.257	-590.857	-1.337	-16.823	8.412	7249.188
43299_3299	43299	3299	12.923	590.914	1.309	1.195	-8.355	-7249.21
43299_3300	43299	3300	-12.923	-568.313	-1.309	-1.195	-1.402	11568.26
43300_3300	43300	3300	12.926	568.313	1.284	-20.768	1.402	-11567.5
43300_3301	43300	3301	-12.926	-543.542	-1.284	20.768	-10.526	15518.24
43301_3301	43301	3301	12.914	464.011	-0.289	44.15	10.526	-15518.9
43301_3302	43301	3302	-12.914	-421.899	0.289	-44.15	-7.031	20870.66
43302_3302	43302	3302	12.913	421.899	-0.338	-35.359	7.031	-20870.7
43302_3303	43302	3303	-12.913	-379.393	0.338	35.359	-2.904	25756.52
43303_3303	43303	3303	12.931	299.568	2.165	46.949	2.904	-25757.6
43303_3304	43303	3304	-12.931	-254.841	-2.165	-46.949	-30.681	29314.65
43304_3304	43304	3304	12.937	254.841	2.126	-41.685	30.681	-29314.7
43304_3305	43304	3305	-12.937	-214.953	-2.126	41.685	-55.006	32002.81
43305_3305	43305	3305	12.932	140.782	0.158	62.081	55.006	-32004.1
43305_3306	43305	3306	-12.932	-94.656	-0.158	-62.081	-57.097	33561.88
43306_3306	43306	3306	12.933	94.656	0.11	-62.466	57.097	-33561.9
43306_3307	43306	3307	-12.933	-56.166	-0.11	62.466	-58.312	34394.64
43307_3307	43307	3307	12.944	-14.765	1.643	59.719	58.312	-34396.2
43307_3308	43307	3308	-12.944	58.572	-1.643	-59.719	-78.958	33935.3
43308_3308	43308	3308	12.95	-58.572	1.599	-54.031	78.958	-33935.3
43308_3309	43308	3309	-12.95	99.361	-1.599	54.031	-97.674	33011.21
43309_3309	43309	3309	12.94	-171.834	-0.389	50.272	97.674	-33012.2
43309_3310	43309	3310	-12.94	213.198	0.389	-50.272	-93.053	30727.55
43310_3310	43310	3310	12.939	-213.198	-0.427	-39.712	93.053	-30727.6
43310_3311	43310	3311	-12.939	256.465	0.427	39.712	-87.748	27812.53
43311_3311	43311	3311	12.975	-318.88	5.858	39.532	87.748	-27813.5
43311_3312	43311	3312	-12.975	361.084	-5.858	-39.532	-158.683	23696.91
43312_3312	43312	3312	12.994	-361.084	5.818	-34.874	158.683	-23696.9
43312_3313	43312	3313	-12.994	403.467	-5.818	34.874	-229.424	19048.54
43313_3313	43313	3313	12.913	-500.708	-6.538	26.431	229.424	-19049.3
43313_3314	43313	3314	-12.913	545.013	6.538	-26.431	-146.324	12403.08
43314_3314	43314	3314	12.889	-545.013	-6.586	-19.883	146.324	-12403.1
43314_3315	43314	3315	-12.889	589.11	6.586	19.883	-63.004	5228.87
43315_3315	43315	3315	13.031	-630.255	-7.699	-8.277	63.004	-5229.72

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43315_3316	43315	3316	-13.031	658.778	7.699	8.277	0	-44.515
44000_4000	44000	4000	-0.318	14.32	-2.456	2.83	0	-0.403
44000_4001	44000	4001	0.318	8.01	2.456	-2.83	33.931	43.994
44001_4001	44001	4001	-0.319	-8.01	-2.456	2.811	-33.931	-43.995
44001_4002	44001	4002	0.319	24.406	2.456	-2.811	58.844	-120.432
44002_4002	44002	4002	-0.28	21.925	3.346	2.062	-58.844	120.38
44002_4003	44002	4003	0.28	-2.283	-3.346	-2.062	18.176	26.722
44003_4003	44003	4003	-0.277	2.283	3.347	2.04	-18.176	-26.724
44003_4004	44003	4004	0.277	17.356	-3.347	-2.04	-22.491	-64.859
44004_4004	44004	4004	-0.296	19.862	-0.361	1.771	22.491	64.679
44004_4005	44004	4005	0.296	-0.217	0.361	-1.771	-18.101	57.355
44005_4005	44005	4005	-0.296	0.217	-0.361	1.771	18.101	-57.355
44005_4006	44005	4006	0.296	19.428	0.361	-1.771	-13.71	-59.407
44006_4006	44006	4006	-0.292	19.918	0.076	0.901	13.71	59.329
44006_4007	44006	4007	0.292	-0.289	-0.076	-0.901	-14.631	63.385
44007_4007	44007	4007	-0.292	0.289	0.076	0.842	14.631	-63.386
44007_4008	44007	4008	0.292	19.354	-0.076	-0.842	-15.556	-52.473
44008_4008	44008	4008	-0.291	19.513	0.089	-0.039	15.556	52.516
44008_4009	44008	4009	0.291	0.136	-0.089	0.039	-16.643	65.277
44009_4009	44009	4009	-0.291	-0.136	0.089	-0.033	16.643	-65.277
44009_4010	44009	4010	0.291	19.769	-0.089	0.033	-17.729	-55.631
44010_4010	44010	4010	-0.294	19.203	-0.098	-0.804	17.729	55.848
44010_4011	44010	4011	0.294	0.446	0.098	0.804	-16.538	58.177
44011_4011	44011	4011	-0.294	-0.446	-0.098	-0.799	16.538	-58.177
44011_4012	44011	4012	0.294	20.079	0.098	0.799	-15.348	-66.495
44012_4012	44012	4012	-0.293	18.892	0.04	-1.466	15.348	66.51
44012_4013	44012	4013	0.293	0.76	-0.04	1.466	-15.837	43.726
44013_4013	44013	4013	-0.293	-0.76	0.04	-1.426	15.837	-43.727
44013_4014	44013	4014	0.293	20.398	-0.04	1.426	-16.322	-84.822
44014_4014	44014	4014	-0.299	18.028	-0.876	-1.733	16.322	84.766
44014_4015	44014	4015	0.299	8.313	0.876	1.733	-2.04	-5.593
44015_4015	44015	4015	-0.299	-8.313	-0.876	-1.736	2.04	5.595
44015_4016	44015	4016	0.299	21.654	0.876	1.736	5.193	-129.283
44016_4016	44016	4016	-0.308	19.567	-0.182	-1.209	-5.193	129.607
44016_4017	44016	4017	0.308	-0.85	0.182	1.209	7.329	-9.646
44017_4017	44017	4017	-0.308	0.85	-0.182	-1.213	-7.329	9.646
44017_4018	44017	4018	0.308	20.257	0.182	1.213	9.738	-138.226
44018_4018	44018	4018	-0.312	19.705	1.924	-0.831	-9.738	138.186
44018_4019	44018	4019	0.312	0.2	-1.924	0.831	-14.309	-16.315
44019_4019	44019	4019	-0.31	-0.2	1.925	-0.818	14.309	16.315
44019_4020	44019	4020	0.31	20.103	-1.925	0.818	-38.356	-143.165
44020_4020	44020	4020	-0.382	20.841	-1.983	-0.722	38.356	143.16
44020_4021	44020	4021	0.382	-5.704	1.983	0.722	-19.51	-17.035
44021_4021	44021	4021	-0.381	5.704	-1.983	-0.735	19.51	17.034
44021_4022	44021	4022	0.381	6.646	1.983	0.735	-4.132	-20.685
44022_4022	44022	4022	-0.383	-6.646	-1.983	-0.712	4.132	20.686
44022_4023	44022	4023	0.383	18.979	1.983	0.712	11.222	-119.886
44023_4023	44023	4023	-0.381	19.463	-0.132	-0.424	-11.222	119.972
44023_4024	44023	4024	0.381	-6.713	0.132	0.424	12.278	-15.21
44024_4024	44024	4024	-0.381	6.713	-0.132	-0.424	-12.278	15.21
44024_4025	44024	4025	0.381	6.036	0.132	0.424	13.335	-12.499
44025_4025	44025	4025	-0.381	-6.036	-0.132	-0.425	-13.335	12.499
44025_4026	44025	4026	0.381	18.77	0.132	0.425	14.39	-111.652

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44026_4026	44026	4026	-0.381	18.952	-0.02	-0.245	-14.39	111.657
44026_4027	44026	4027	0.381	-9.395	0.02	0.245	14.51	-26.616
44027_4027	44027	4027	-0.381	9.395	-0.02	-0.245	-14.51	26.616
44027_4028	44027	4028	0.381	0.163	0.02	0.245	14.629	1.079
44028_4028	44028	4028	-0.381	-0.163	-0.02	-0.244	-14.629	-1.08
44028_4029	44028	4029	0.381	9.722	0.02	0.244	14.752	-28.579
44029_4029	44029	4029	-0.381	-9.722	-0.02	-0.196	-14.752	28.579
44029_4030	44029	4030	0.381	19.279	0.02	0.196	14.871	-115.583
44030_4030	44030	4030	-0.382	18.314	0.007	-0.094	-14.871	115.534
44030_4031	44030	4031	0.382	-5.571	-0.007	0.094	14.817	-19.994
44031_4031	44031	4031	-0.382	5.571	0.007	-0.094	-14.817	19.994
44031_4032	44031	4032	0.382	7.172	-0.007	0.094	14.764	-26.401
44032_4032	44032	4032	-0.382	-7.172	0.007	-0.094	-14.764	26.401
44032_4033	44032	4033	0.382	19.915	-0.007	0.094	14.71	-134.753
44033_4033	44033	4033	-0.367	18.946	1.123	0.051	-14.71	134.758
44033_4034	44033	4034	0.367	-6.609	-1.123	-0.051	6.009	-35.789
44034_4034	44034	4034	-0.367	6.609	1.123	0.055	-6.009	35.789
44034_4035	44034	4035	0.367	5.744	-1.123	-0.055	-2.704	-32.436
44035_4035	44035	4035	-0.367	-5.744	1.124	0.072	2.704	32.436
44035_4036	44035	4036	0.367	20.849	-1.124	-0.072	-13.359	-158.526
44036_4036	44036	4036	-0.425	20.698	-1.205	0.199	13.359	158.538
44036_4037	44036	4037	0.425	-0.761	1.205	-0.199	1.727	-24.242
44037_4037	44037	4037	-0.425	0.761	-1.205	0.196	-1.727	24.242
44037_4038	44037	4038	0.425	19.145	1.205	-0.196	16.79	-139.116
44038_4038	44038	4038	-0.405	14.673	0.109	0.608	-16.79	139.238
44038_4039	44038	4039	0.405	6.439	-0.109	-0.608	15.352	-84.671
44039_4039	44039	4039	-0.405	-6.439	0.109	0.846	-15.352	84.028
44039_4040	44039	4040	0.405	24.8	-0.109	-0.846	14.075	-267.526
44040_4040	44040	4040	-0.405	19.002	-0.05	0.876	-14.075	267.617
44040_4041	44040	4041	0.405	-6.103	0.05	-0.876	14.491	-164.02
44041_4041	44041	4041	-0.405	6.103	-0.051	0.798	-14.491	164.02
44041_4042	44041	4042	0.405	18.691	0.051	-0.798	15.293	-263.876
44042_4042	44042	4042	-0.398	20.84	0.713	0.879	-15.293	263.897
44042_4043	44042	4043	0.398	-2.174	-0.713	-0.879	6.775	-126.46
44043_4043	44043	4043	-0.398	2.174	0.713	0.87	-6.775	126.46
44043_4044	44043	4044	0.398	16.477	-0.713	-0.87	-1.735	-211.803
44044_4044	44044	4044	-0.404	19.843	0.041	0.622	1.735	211.909
44044_4045	44044	4045	0.404	-1.176	-0.041	-0.622	-2.23	-86.389
44045_4045	44045	4045	-0.404	1.176	0.041	0.622	2.23	86.389
44045_4046	44045	4046	0.404	17.49	-0.041	-0.622	-2.726	-183.813
44046_4046	44046	4046	-0.404	19.463	-0.034	0.198	2.726	183.821
44046_4047	44046	4047	0.404	-0.805	0.034	-0.198	-2.32	-62.834
44047_4047	44047	4047	-0.404	0.805	-0.034	0.198	2.32	62.834
44047_4048	44047	4048	0.404	17.854	0.034	-0.198	-1.914	-164.605
44048_4048	44048	4048	-0.406	19.016	-0.275	-0.178	1.914	164.711
44048_4049	44048	4049	0.406	-0.341	0.275	0.178	1.37	-49.067
44049_4049	44049	4049	-0.406	0.341	-0.275	-0.181	-1.37	49.067
44049_4050	44049	4050	0.406	18.317	0.275	0.181	4.651	-156.37
44050_4050	44050	4050	-0.405	18.311	-0.305	-0.409	-4.651	156.211
44050_4051	44050	4051	0.405	6.453	0.305	0.409	9.485	-62.264
44051_4051	44051	4051	-0.405	-6.453	-0.305	-0.372	-9.485	62.265
44051_4052	44051	4052	0.405	19.352	0.305	0.372	12.001	-168.756
44052_4052	44052	4052	-0.402	20.506	-0.528	-0.15	-12.001	168.841

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44052_4053	44052	4053	0.402	-2.136	0.528	0.15	18.205	-35.779
44053_4053	44053	4053	-0.402	2.136	-0.528	-0.141	-18.205	35.787
44053_4054	44053	4054	0.402	17.93	0.528	0.141	25.196	-140.405
44054_4054	44054	4054	-0.409	18.536	1.019	0.089	-25.196	140.257
44054_4055	44054	4055	0.409	0.399	-1.019	-0.089	12.462	-26.891
44055_4055	44055	4055	-0.409	-0.399	1.019	0.089	-12.462	26.891
44055_4056	44055	4056	0.409	19.334	-1.019	-0.089	-0.273	-150.23
44056_4056	44056	4056	-0.388	19.872	-1.242	0.172	0.273	150.227
44056_4057	44056	4057	0.388	-5.492	1.242	-0.172	11.521	-29.829
44057_4057	44057	4057	-0.388	5.492	-1.242	0.158	-11.521	29.83
44057_4058	44057	4058	0.388	6.246	1.242	-0.158	21.149	-32.751
44058_4058	44058	4058	-0.388	-6.246	-1.242	0.158	-21.149	32.751
44058_4059	44058	4059	0.388	17.984	1.242	-0.158	30.778	-126.637
44059_4059	44059	4059	-0.38	18.963	1.049	0.287	-30.778	126.63
44059_4060	44059	4060	0.38	-6.836	-1.049	-0.287	22.376	-23.345
44060_4060	44060	4060	-0.381	6.836	1.049	0.256	-22.376	23.345
44060_4061	44060	4061	0.381	5.278	-1.049	-0.256	13.987	-17.117
44061_4061	44061	4061	-0.38	-5.278	1.049	0.277	-13.987	17.117
44061_4062	44061	4062	0.38	17.391	-1.049	-0.277	5.596	-107.757
44062_4062	44062	4062	-0.381	18.375	0.64	0.457	-5.596	107.801
44062_4063	44062	4063	0.381	-9.283	-0.64	-0.457	1.755	-24.788
44063_4063	44063	4063	-0.382	9.283	0.639	0.416	-1.755	24.789
44063_4064	44063	4064	0.382	-0.19	-0.639	-0.416	-2.083	3.648
44064_4064	44064	4064	-0.381	0.19	0.64	0.41	2.083	-3.649
44064_4065	44064	4065	0.381	8.887	-0.64	-0.41	-5.917	-22.409
44065_4065	44065	4065	-0.381	-8.887	0.64	0.413	5.917	22.409
44065_4066	44065	4066	0.381	17.979	-0.64	-0.413	-9.758	-103.041
44066_4066	44066	4066	-0.379	18.071	0.615	0.485	9.758	103.05
44066_4067	44066	4067	0.379	-5.946	-0.615	-0.485	-14.685	-6.924
44067_4067	44067	4067	-0.379	5.946	0.615	0.485	14.685	6.924
44067_4068	44067	4068	0.379	6.164	-0.615	-0.485	-19.606	-7.796
44068_4068	44068	4068	-0.378	-6.164	0.616	0.495	19.606	7.796
44068_4069	44068	4069	0.378	18.288	-0.616	-0.495	-24.536	-105.658
44069_4069	44069	4069	-0.374	17.729	0.992	0.628	24.536	105.591
44069_4070	44069	4070	0.374	-5.999	-0.992	-0.628	-32.218	-13.712
44070_4070	44070	4070	-0.374	5.999	0.992	0.63	32.218	13.712
44070_4071	44070	4071	0.374	5.746	-0.992	-0.63	-39.91	-12.73
44071_4071	44071	4071	-0.374	-5.746	0.992	0.626	39.91	12.731
44071_4072	44071	4072	0.374	20.132	-0.992	-0.626	-49.33	-135.621
44072_4072	44072	4072	-0.407	20.13	-1.582	0.707	49.33	135.625
44072_4073	44072	4073	0.407	-1.198	1.582	-0.707	-29.554	-2.329
44073_4073	44073	4073	-0.406	1.198	-1.583	0.705	29.554	2.33
44073_4074	44073	4074	0.406	17.734	1.583	-0.705	-9.773	-105.675
44074_4074	44074	4074	-0.376	15.227	0.144	0.976	9.773	105.73
44074_4075	44074	4075	0.376	4.842	-0.144	-0.976	-11.677	-36.93
44075_4075	44075	4075	-0.376	-4.842	0.143	1.278	11.677	36.958
44075_4076	44075	4076	0.376	22.247	-0.143	-1.278	-13.361	-196.092
44076_4076	44076	4076	-0.373	17.905	0.106	1.079	13.361	196.249
44076_4077	44076	4077	0.373	-5.682	-0.106	-1.079	-14.237	-98.946
44077_4077	44077	4077	-0.373	5.682	0.106	1.104	14.237	98.947
44077_4078	44077	4078	0.373	15.664	-0.106	-1.104	-15.766	-170.861
44078_4078	44078	4078	-0.371	17.824	0.195	0.917	15.766	170.764
44078_4079	44078	4079	0.371	-1.195	-0.195	-0.917	-17.957	-64.029

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44079_4079	44079	4079	-0.371	1.195	0.195	0.917	17.957	64.029
44079_4080	44079	4080	0.371	15.434	-0.195	-0.917	-20.149	-143.942
44080_4080	44080	4080	-0.371	16.843	-0.079	0.566	20.149	143.774
44080_4081	44080	4081	0.371	-0.218	0.079	-0.566	-19.26	-48.043
44081_4081	44081	4081	-0.371	0.218	-0.079	0.566	19.26	48.043
44081_4082	44081	4082	0.371	16.407	0.079	-0.566	-18.371	-138.88
44082_4082	44082	4082	-0.372	18.155	-0.116	0.066	18.371	138.937
44082_4083	44082	4083	0.372	-0.285	0.116	-0.066	-16.968	-27.718
44083_4083	44083	4083	-0.372	0.285	-0.117	0.043	16.968	27.718
44083_4084	44083	4084	0.372	17.586	0.117	-0.043	-15.561	-132.068
44084_4084	44084	4084	-0.373	16.828	-0.246	-0.492	15.561	132.077
44084_4085	44084	4085	0.373	-0.207	0.246	0.492	-12.802	-36.512
44085_4085	44085	4085	-0.374	0.207	-0.246	-0.458	12.802	36.512
44085_4086	44085	4086	0.374	16.429	0.246	0.458	-10.045	-127.599
44086_4086	44086	4086	-0.374	16.33	-0.379	-0.862	10.045	127.468
44086_4087	44086	4087	0.374	0.292	0.379	0.862	-5.792	-37.497
44087_4087	44087	4087	-0.374	-0.292	-0.379	-0.829	5.792	37.498
44087_4088	44087	4088	0.374	16.913	0.379	0.829	-1.542	-134.014
44088_4088	44088	4088	-0.376	14.877	-0.189	-1.044	1.542	134.172
44088_4089	44088	4089	0.376	5.655	0.189	1.044	1.073	-70.266
44089_4089	44089	4089	-0.376	-5.655	-0.189	-1.101	-1.073	70.266
44089_4090	44089	4090	0.376	17.871	0.189	1.101	2.631	-167.262
44090_4090	44090	4090	-0.371	18.607	-0.659	-0.791	-2.631	167.438
44090_4091	44090	4091	0.371	-1.188	0.659	0.791	10.382	-51.066
44091_4091	44091	4091	-0.371	1.188	-0.659	-0.788	-10.382	51.082
44091_4092	44091	4092	0.371	18.146	0.659	0.788	19.118	-163.421
44092_4092	44092	4092	-0.381	18.173	1.032	-0.518	-19.118	163.273
44092_4093	44092	4093	0.381	0.062	-1.032	0.518	6.22	-50.113
44093_4093	44093	4093	-0.381	-0.062	1.032	-0.518	-6.22	50.113
44093_4094	44093	4094	0.381	18.298	-1.032	0.518	-6.679	-164.832
44094_4094	44094	4094	-0.445	19.069	-1.013	-0.384	6.679	164.846
44094_4095	44094	4095	0.445	-5.199	1.013	0.384	2.946	-49.513
44095_4095	44095	4095	-0.444	5.199	-1.013	-0.423	-2.946	49.515
44095_4096	44095	4096	0.444	6.116	1.013	0.423	10.801	-53.069
44096_4096	44096	4096	-0.446	-6.116	-1.012	-0.356	-10.801	53.069
44096_4097	44096	4097	0.446	17.416	1.012	0.356	18.64	-144.182
44097_4097	44097	4097	-0.443	18.076	0.312	-0.184	-18.64	144.186
44097_4098	44097	4098	0.443	-6.397	-0.312	0.184	16.145	-46.25
44098_4098	44098	4098	-0.443	6.397	0.312	-0.186	-16.145	46.25
44098_4099	44098	4099	0.443	5.267	-0.312	0.186	13.654	-41.732
44099_4099	44099	4099	-0.443	-5.267	0.312	-0.185	-13.654	41.732
44099_4100	44099	4100	0.443	16.946	-0.312	0.185	11.159	-130.619
44100_4100	44100	4100	-0.444	17.561	0.178	-0.087	-11.159	130.61
44100_4101	44100	4101	0.444	-8.801	-0.178	0.087	10.092	-51.488
44101_4101	44101	4101	-0.444	8.801	0.178	-0.001	-10.092	51.488
44101_4102	44101	4102	0.444	-0.042	-0.178	0.001	9.021	-24.947
44102_4102	44102	4102	-0.444	0.042	0.178	-0.003	-9.021	24.947
44102_4103	44102	4103	0.444	8.702	-0.178	0.003	7.951	-50.895
44103_4103	44103	4103	-0.444	-8.702	0.178	0	-7.951	50.895
44103_4104	44103	4104	0.444	17.461	-0.178	0	6.88	-129.417
44104_4104	44104	4104	-0.444	17.205	0.061	0.102	-6.88	129.42
44104_4105	44104	4105	0.444	-5.526	-0.061	-0.102	6.393	-38.457
44105_4105	44105	4105	-0.444	5.526	0.061	0.149	-6.393	38.457

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44105_4106	44105	4106	0.444	6.139	-0.061	-0.149	5.902	-40.908
44106_4106	44106	4106	-0.444	-6.139	0.061	0.15	-5.902	40.908
44106_4107	44106	4107	0.444	17.818	-0.061	-0.15	5.411	-136.773
44107_4107	44107	4107	-0.442	17.211	1.099	0.299	-5.411	136.796
44107_4108	44107	4108	0.442	-5.897	-1.099	-0.299	-3.113	-47.213
44108_4108	44108	4108	-0.441	5.897	1.1	0.358	3.113	47.213
44108_4109	44108	4109	0.441	5.402	-1.1	-0.358	-11.63	-45.298
44109_4109	44109	4109	-0.442	-5.402	1.1	0.309	11.63	45.298
44109_4110	44109	4110	0.442	19.271	-1.1	-0.309	-22.08	-162.55
44110_4110	44110	4110	-0.456	19.063	-1.154	0.452	22.08	162.553
44110_4111	44110	4111	0.456	-0.817	1.154	-0.452	-7.657	-38.264
44111_4111	44111	4111	-0.457	0.817	-1.153	0.482	7.657	38.264
44111_4112	44111	4112	0.457	17.415	1.153	-0.482	6.751	-141.948
44112_4112	44112	4112	-0.448	14.254	-0.277	0.879	-6.751	141.974
44112_4113	44112	4113	0.448	5.087	0.277	-0.879	10.425	-81.222
44113_4113	44113	4113	-0.448	-5.087	-0.277	1.04	-10.425	81.11
44113_4114	44113	4114	0.448	22.199	0.277	-1.04	13.682	-241.461
44114_4114	44114	4114	-0.441	17.149	0.387	1.224	-13.682	241.326
44114_4115	44114	4115	0.441	-5.15	-0.387	-1.224	10.496	-149.437
44115_4115	44115	4115	-0.441	5.15	0.386	0.929	-10.496	149.439
44115_4116	44115	4116	0.441	15.776	-0.386	-0.929	4.952	-225.804
44116_4116	44116	4116	-0.441	18.221	0.466	1.121	-4.952	225.822
44116_4117	44116	4117	0.441	-1.882	-0.466	-1.121	-0.277	-113.022
44117_4117	44117	4117	-0.441	1.882	0.466	1.121	0.277	113.022
44117_4118	44117	4118	0.441	14.457	-0.466	-1.121	-5.507	-183.581
44118_4118	44118	4118	-0.441	17.086	0.094	0.91	5.507	183.748
44118_4119	44118	4119	0.441	-0.749	-0.094	-0.91	-6.566	-83.686
44119_4119	44119	4119	-0.441	0.749	0.094	0.836	6.566	83.687
44119_4120	44119	4120	0.441	15.604	-0.094	-0.836	-7.622	-167.109
44120_4120	44120	4120	-0.44	18.28	0.066	0.46	7.622	166.927
44120_4121	44120	4121	0.44	-0.734	-0.066	-0.46	-8.413	-52.351
44121_4121	44121	4121	-0.441	0.734	0.065	0.417	8.413	52.352
44121_4122	44121	4122	0.441	16.827	-0.065	-0.417	-9.2	-149.399
44122_4122	44122	4122	-0.441	16.923	-0.064	-0.085	9.2	149.398
44122_4123	44122	4123	0.441	-0.587	0.064	0.085	-8.484	-51.161
44123_4123	44123	4123	-0.44	0.587	-0.064	-0.13	8.484	51.161
44123_4124	44123	4124	0.44	15.765	0.064	0.13	-7.763	-136.391
44124_4124	44124	4124	-0.439	16.449	-0.135	-0.525	7.763	136.23
44124_4125	44124	4125	0.439	-0.112	0.135	0.525	-6.245	-43.315
44125_4125	44125	4125	-0.439	0.112	-0.135	-0.525	6.245	43.315
44125_4126	44125	4126	0.439	16.224	0.135	0.525	-4.727	-133.707
44126_4126	44126	4126	-0.438	14.639	-0.582	-0.739	4.727	133.579
44126_4127	44126	4127	0.438	5.366	0.582	0.739	3.276	-69.875
44127_4127	44127	4127	-0.437	-5.366	-0.583	-0.807	-3.276	69.875
44127_4128	44127	4128	0.437	17.378	0.583	0.807	8.084	-163.698
44128_4128	44128	4128	-0.448	18.454	0.598	-0.664	-8.084	163.562
44128_4129	44128	4129	0.448	-1.346	-0.598	0.664	1.062	-47.236
44129_4129	44129	4129	-0.447	1.346	0.598	-0.558	-1.062	47.265
44129_4130	44129	4130	0.447	17.952	-0.598	0.558	-6.864	-157.284
44130_4130	44130	4130	-0.453	17.647	-0.234	-0.192	6.864	157.127
44130_4131	44130	4131	0.453	0.559	0.234	0.192	-3.94	-50.329
44131_4131	44131	4131	-0.453	-0.559	-0.234	-0.152	3.94	50.329
44131_4132	44131	4132	0.453	18.751	0.234	0.152	-1.023	-170.919

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44132_4132	44132	4132	-1.261	18.987	0.019	-0.288	1.023	164.449
44132_4133	44132	4133	1.261	-5.151	-0.019	0.288	-1.204	-49.793
44133_4133	44133	4133	-1.261	5.151	0.02	-0.259	1.204	49.794
44133_4134	44133	4134	1.261	6.137	-0.02	0.259	-1.357	-53.615
44134_4134	44134	4134	-1.261	-6.137	0.02	-0.259	1.357	53.615
44134_4135	44134	4135	1.261	17.439	-0.02	0.259	-1.511	-145.091
44135_4135	44135	4135	-1.223	18.223	-0.545	0.06	1.511	145.281
44135_4136	44135	4136	1.223	-6.57	0.545	-0.06	2.853	-46.097
44136_4136	44136	4136	-1.223	6.57	-0.545	0.06	-2.853	46.097
44136_4137	44136	4137	1.223	5.082	0.545	-0.06	7.217	-40.144
44137_4137	44137	4137	-1.223	-5.082	-0.545	0.06	-7.217	40.144
44137_4138	44137	4138	1.223	16.735	0.545	-0.06	11.581	-127.423
44138_4138	44138	4138	-1.236	17.472	0.354	-0.007	-11.581	127.333
44138_4139	44138	4139	1.236	-8.732	-0.354	0.007	9.46	-48.714
44139_4139	44139	4139	-1.236	8.732	0.354	-0.007	-9.46	48.714
44139_4140	44139	4140	1.236	0.007	-0.354	0.007	7.339	-22.537
44140_4140	44140	4140	-1.236	-0.007	0.354	-0.007	-7.339	22.537
44140_4141	44140	4141	1.236	8.747	-0.354	0.007	5.217	-48.802
44141_4141	44141	4141	-1.236	-8.747	0.354	-0.007	-5.217	48.802
44141_4142	44141	4142	1.236	17.487	-0.354	0.007	3.096	-127.51
44142_4142	44142	4142	-1.23	17.056	0.039	0.083	-3.096	127.427
44142_4143	44142	4143	1.23	-5.403	-0.039	-0.083	2.783	-37.581
44143_4143	44143	4143	-1.23	5.403	0.039	0.083	-2.783	37.581
44143_4144	44143	4144	1.23	6.25	-0.039	-0.083	2.47	-40.966
44144_4144	44144	4144	-1.23	-6.25	0.041	0.134	-2.47	40.966
44144_4145	44144	4145	1.23	17.902	-0.041	-0.134	2.145	-137.58
44145_4145	44145	4145	-1.248	17.052	1.013	0.185	-2.145	137.472
44145_4146	44145	4146	1.248	-5.778	-1.013	-0.185	-5.7	-49.11
44146_4146	44146	4146	-1.247	5.778	1.015	0.249	5.7	49.11
44146_4147	44146	4147	1.247	5.511	-1.015	-0.249	-13.568	-48.073
44147_4147	44147	4147	-1.248	-5.511	1.014	0.206	13.568	48.071
44147_4148	44147	4148	1.248	19.348	-1.014	-0.206	-23.203	-166.161
44148_4148	44148	4148	-1.231	19.329	-1.394	0.323	23.203	166.262
44148_4149	44148	4149	1.231	-1.122	1.394	-0.323	-5.774	-38.434
44149_4149	44149	4149	-1.231	1.122	-1.394	0.323	5.774	38.434
44149_4150	44149	4150	1.231	17.086	1.394	-0.323	11.654	-138.22
44150_4150	44150	4150	-1.252	13.795	0.325	0.678	-11.654	138.222
44150_4151	44150	4151	1.252	5.505	-0.325	-0.678	7.345	-83.295
44151_4151	44151	4151	-1.253	-5.505	0.324	0.684	-7.345	83.202
44151_4152	44151	4152	1.253	23.357	-0.324	-0.684	3.535	-252.779
44152_4152	44152	4152	-1.252	17.152	0.275	0.883	-3.535	252.78
44152_4153	44152	4153	1.252	-4.618	-0.275	-0.883	1.269	-162.974
44153_4153	44153	4153	-1.252	4.618	0.274	0.801	-1.269	162.972
44153_4154	44153	4154	1.252	16.258	-0.274	-0.801	-2.497	-242.949
44154_4154	44154	4154	-1.251	18.742	0.157	0.627	2.497	242.946
44154_4155	44154	4155	1.251	-2.03	-0.157	-0.627	-4.228	-128.69
44155_4155	44155	4155	-1.25	2.03	0.158	0.744	4.228	128.69
44155_4156	44155	4156	1.25	14.682	-0.158	-0.744	-5.971	-198.286
44156_4156	44156	4156	-1.251	16.541	0.173	0.265	5.971	198.284
44156_4157	44156	4157	1.251	-1.332	-0.173	-0.265	-7.7	-108.822
44157_4157	44157	4157	-1.251	1.332	0.174	0.374	7.7	108.822
44157_4158	44157	4158	1.251	13.876	-0.174	-0.374	-9.443	-171.609
44158_4158	44158	4158	-1.247	15.313	0.013	-0.185	9.443	171.462

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44158_4159	44158	4159	1.247	-0.105	-0.013	0.185	-9.572	-94.286
44159_4159	44159	4159	-1.247	0.105	0.014	-0.091	9.572	94.286
44159_4160	44159	4160	1.247	15.103	-0.014	0.091	-9.715	-169.357
44160_4160	44160	4160	-1.242	16.723	-0.373	-0.533	9.715	169.353
44160_4161	44160	4161	1.242	-0.011	0.373	0.533	-5.606	-77.309
44161_4161	44161	4161	-1.242	0.011	-0.373	-0.534	5.606	77.309
44161_4162	44161	4162	1.242	16.687	0.373	0.534	-1.502	-168.952
44162_4162	44162	4162	-1.242	15.567	-0.463	-0.734	1.502	169.065
44162_4163	44162	4163	1.242	5.324	0.463	0.734	4.869	-98.64
44163_4163	44163	4163	-1.241	-5.324	-0.465	-0.875	-4.869	98.637
44163_4164	44163	4164	1.241	17.858	0.465	0.875	8.706	-194.273
44164_4164	44164	4164	-1.242	19.445	-0.418	-0.49	-8.706	194.169
44164_4165	44164	4165	1.242	-1.593	0.418	0.49	13.613	-70.563
44165_4165	44165	4165	-1.241	1.593	-0.419	-0.546	-13.613	70.605
44165_4166	44165	4166	1.241	19.059	0.419	0.546	19.156	-186.241
44166_4166	44166	4166	-1.259	19.22	1.85	-0.172	-19.156	186.379
44166_4167	44166	4167	1.259	0.278	-1.85	0.172	-3.966	-67.978
44167_4167	44167	4167	-1.259	-0.278	1.85	-0.172	3.966	67.978
44167_4168	44167	4168	1.259	19.775	-1.85	0.172	-27.087	-193.321
44168_4168	44168	4168	-1.197	20.378	-1.455	-0.172	27.087	193.503
44168_4169	44168	4169	1.197	-5.56	1.455	0.172	-13.266	-70.289
44169_4169	44169	4169	-1.198	5.56	-1.454	-0.112	13.266	70.288
44169_4170	44169	4170	1.198	6.529	1.454	0.112	-1.998	-74.045
44170_4170	44170	4170	-1.198	-6.529	-1.454	-0.112	1.998	74.045
44170_4171	44170	4171	1.198	18.617	1.454	0.112	9.27	-171.495
44171_4171	44171	4171	-1.218	19.58	0.115	-0.032	-9.27	171.497
44171_4172	44171	4172	1.218	-7.101	-0.115	0.032	8.348	-64.763
44172_4172	44172	4172	-1.218	7.101	0.115	-0.032	-8.348	64.763
44172_4173	44172	4173	1.218	5.377	-0.115	0.032	7.426	-57.867
44173_4173	44173	4173	-1.218	-5.377	0.115	-0.032	-7.426	57.867
44173_4174	44173	4174	1.218	17.856	-0.115	0.032	6.505	-150.808
44174_4174	44174	4174	-1.218	18.837	0.178	0.032	-6.505	150.726
44174_4175	44174	4175	1.218	-9.478	-0.178	-0.032	5.438	-65.775
44175_4175	44175	4175	-1.218	9.478	0.178	0.032	-5.438	65.775
44175_4176	44175	4176	1.218	-0.119	-0.178	-0.032	4.372	-36.983
44176_4176	44176	4176	-1.218	0.119	0.178	0.032	-4.372	36.983
44176_4177	44176	4177	1.218	9.24	-0.178	-0.032	3.306	-64.349
44177_4177	44177	4177	-1.218	-9.24	0.178	0.032	-3.306	64.349
44177_4178	44177	4178	1.218	18.599	-0.178	-0.032	2.24	-147.873
44178_4178	44178	4178	-1.215	18.33	0.024	0.084	-2.24	147.791
44178_4179	44178	4179	1.215	-5.867	-0.024	-0.084	2.044	-51.116
44179_4179	44179	4179	-1.215	5.867	0.024	0.084	-2.044	51.116
44179_4180	44179	4180	1.215	6.612	-0.024	-0.084	1.849	-54.094
44180_4180	44180	4180	-1.215	-6.612	0.026	0.152	-1.849	54.094
44180_4181	44180	4181	1.215	19.09	-0.026	-0.152	1.641	-156.908
44181_4181	44181	4181	-1.227	18.289	1.784	0.139	-1.641	157.041
44181_4182	44181	4182	1.227	-6.201	-1.784	-0.139	-12.188	-62.133
44182_4182	44182	4182	-1.224	6.201	1.786	0.219	12.188	62.133
44182_4183	44182	4183	1.224	5.888	-1.786	-0.219	-26.029	-60.92
44183_4183	44183	4183	-1.226	-5.888	1.785	0.163	26.029	60.919
44183_4184	44183	4184	1.226	20.706	-1.785	-0.163	-42.987	-187.251
44184_4184	44184	4184	-1.175	20.599	-2.178	0.194	42.987	187.251
44184_4185	44184	4185	1.175	-1.101	2.178	-0.194	-15.755	-51.615

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44185_4185	44185	4185	-1.175	1.101	-2.178	0.194	15.755	51.615
44185_4186	44185	4186	1.175	18.397	2.178	-0.194	11.476	-159.722
44186_4186	44186	4186	-1.206	15.748	0.294	0.516	-11.476	159.724
44186_4187	44186	4187	1.206	4.919	-0.294	-0.516	7.58	-87.978
44187_4187	44187	4187	-1.207	-4.919	0.293	0.433	-7.58	87.672
44187_4188	44187	4188	1.207	24.037	-0.293	-0.433	4.136	-257.804
44188_4188	44188	4188	-1.206	19.273	0.275	0.52	-4.136	257.804
44188_4189	44188	4189	1.206	-5.85	-0.275	-0.52	1.87	-154.163
44189_4189	44189	4189	-1.206	5.85	0.274	0.447	-1.87	154.17
44189_4190	44189	4190	1.206	16.505	-0.274	-0.447	-1.896	-227.378
44190_4190	44190	4190	-1.194	19.478	-0.718	0.306	1.896	227.375
44190_4191	44190	4191	1.194	-1.581	0.718	-0.306	6.007	-111.541
44191_4191	44191	4191	-1.194	1.581	-0.717	0.408	-6.007	111.54
44191_4192	44191	4192	1.194	16.316	0.717	-0.408	13.897	-192.591
44192_4192	44192	4192	-1.213	17.485	0.8	-0.273	-13.897	192.586
44192_4193	44192	4193	1.213	-1.134	-0.8	0.273	5.854	-99.015
44193_4193	44193	4193	-1.213	1.134	0.8	-0.273	-5.854	99.015
44193_4194	44193	4194	1.213	15.218	-0.8	0.273	-2.19	-169.794
44194_4194	44194	4194	-1.204	16.199	0.455	-0.711	2.19	169.64
44194_4195	44194	4195	1.204	0.136	-0.455	0.711	-6.757	-88.997
44195_4195	44195	4195	-1.204	-0.136	0.454	-0.798	6.757	88.996
44195_4196	44195	4196	1.204	16.488	-0.454	0.798	-11.317	-172.538
44196_4196	44196	4196	-1.164	17.756	-1.534	-0.915	11.317	172.691
44196_4197	44196	4197	1.164	0.141	1.534	0.915	5.558	-75.805
44197_4197	44197	4197	-1.163	-0.141	-1.535	-0.984	-5.558	75.804
44197_4198	44197	4198	1.163	18.039	1.535	0.984	22.444	-175.802
44198_4198	44198	4198	-1.187	16.507	-0.331	-1.149	-22.444	175.799
44198_4199	44198	4199	1.187	5.864	0.331	1.149	27.002	-102.619
44199_4199	44199	4199	-1.187	-5.864	-0.331	-1.098	-27.002	102.617
44199_4200	44199	4200	1.187	19.287	0.331	1.098	29.732	-206.375
44200_4200	44200	4200	-1.184	20.98	-0.643	-0.428	-29.732	206.247
44200_4201	44200	4201	1.184	-1.879	0.643	0.428	37.283	-72.051
44201_4201	44201	4201	-1.184	1.879	-0.642	-0.377	-37.283	72.059
44201_4202	44201	4202	1.184	20.522	0.642	0.377	45.794	-195.576
44202_4202	44202	4202	-1.221	20.745	1.264	0.035	-45.794	195.586
44202_4203	44202	4203	1.221	0.388	-1.264	-0.035	29.993	-68.342
44203_4203	44203	4203	-1.221	-0.388	1.264	0.035	-29.993	68.342
44203_4204	44203	4204	1.221	21.521	-1.264	-0.035	14.193	-205.283
44204_4204	44204	4204	-1.175	22.019	-1.085	0.321	-14.193	205.289
44204_4205	44204	4205	1.175	-5.958	1.085	-0.321	24.502	-72.389
44205_4205	44205	4205	-1.176	5.958	-1.084	0.385	-24.502	72.385
44205_4206	44205	4206	1.176	7.145	1.084	-0.385	32.904	-76.985
44206_4206	44206	4206	-1.174	-7.145	-1.086	0.285	-32.904	76.985
44206_4207	44206	4207	1.174	20.247	1.086	-0.285	41.319	-183.138
44207_4207	44207	4207	-1.207	21.011	0.576	0.654	-41.319	183.139
44207_4208	44207	4208	1.207	-7.486	-0.576	-0.654	36.709	-69.145
44208_4208	44208	4208	-1.208	7.486	0.575	0.568	-36.709	69.146
44208_4209	44208	4209	1.208	6.039	-0.575	-0.568	32.11	-63.36
44209_4209	44209	4209	-1.208	-6.039	0.575	0.568	-32.11	63.36
44209_4210	44209	4210	1.208	19.564	-0.575	-0.568	27.512	-165.784
44210_4210	44210	4210	-1.218	20.372	0.796	0.82	-27.512	165.667
44210_4211	44210	4211	1.218	-10.228	-0.796	-0.82	22.735	-73.861
44211_4211	44211	4211	-1.218	10.228	0.796	0.818	-22.735	73.861

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44211_4212	44211	4212	1.218	-0.101	-0.796	-0.818	17.966	-42.923
44212_4212	44212	4212	-1.218	0.101	0.796	0.819	-17.966	42.923
44212_4213	44212	4213	1.218	10.043	-0.796	-0.819	13.188	-72.75
44213_4213	44213	4213	-1.218	-10.043	0.796	0.819	-13.188	72.75
44213_4214	44213	4214	1.218	20.186	-0.796	-0.819	8.411	-163.446
44214_4214	44214	4214	-1.213	20.007	1.118	0.99	-8.411	163.576
44214_4215	44214	4215	1.213	-6.482	-1.118	-0.99	-0.532	-57.615
44215_4215	44215	4215	-1.213	6.482	1.118	0.99	0.532	57.615
44215_4216	44215	4216	1.213	7.043	-1.118	-0.99	-9.475	-59.861
44216_4216	44216	4216	-1.213	-7.043	1.118	0.99	9.475	59.861
44216_4217	44216	4217	1.213	20.568	-1.118	-0.99	-18.418	-170.314
44217_4217	44217	4217	-1.216	19.866	1.271	1.082	18.418	170.443
44217_4218	44217	4218	1.216	-6.763	-1.271	-1.082	-28.27	-67.247
44218_4218	44218	4218	-1.214	6.763	1.273	1.169	28.27	67.246
44218_4219	44218	4219	1.214	6.339	-1.273	-1.169	-38.135	-65.6
44219_4219	44219	4219	-1.215	-6.339	1.272	1.1	38.135	65.6
44219_4220	44219	4220	1.215	22.399	-1.272	-1.1	-50.216	-202.116
44220_4220	44220	4220	-1.138	22.391	-0.783	0.84	50.216	202.052
44220_4221	44220	4221	1.138	-1.26	0.783	-0.84	-40.429	-54.236
44221_4221	44221	4221	-1.138	1.26	-0.783	0.84	40.429	54.236
44221_4222	44221	4222	1.138	19.871	0.783	-0.84	-30.642	-170.561
44222_4222	44222	4222	-1.142	17.202	-3.867	1.349	30.642	170.406
44222_4223	44222	4223	1.142	5.197	3.867	-1.349	20.591	-90.877
44223_4223	44223	4223	-1.144	-5.197	-3.866	2.138	-20.591	90.706
44223_4224	44223	4224	1.144	25.901	3.866	-2.138	66.017	-273.41
44224_4224	44224	4224	-1.092	22.161	4.207	0.82	-66.017	273.265
44224_4225	44224	4225	1.092	-7.64	-4.207	-0.82	31.347	-150.469
44225_4225	44225	4225	-1.09	7.64	4.207	0.839	-31.347	150.465
44225_4226	44225	4226	1.09	20.01	-4.207	-0.839	-34.672	-247.531
44226_4226	44226	4226	-1.061	22.395	0.007	0.623	34.672	247.476
44226_4227	44226	4227	1.061	-1.301	-0.007	-0.623	-34.758	-105.632
44227_4227	44227	4227	-1.061	1.301	0.013	1.24	34.758	105.627
44227_4228	44227	4228	1.061	19.796	-0.013	-1.24	-34.919	-216.355
44228_4228	44228	4228	-1.105	21.674	3.249	-0.331	34.919	216.405
44228_4229	44228	4229	1.105	-0.572	-3.249	0.331	-73.826	-83.194
44229_4229	44229	4229	-1.105	0.572	3.249	-0.331	73.826	83.194
44229_4230	44229	4230	1.105	20.529	-3.249	0.331	-112.733	-202.694
44230_4230	44230	4230	-0.79	21.478	-6.57	-0.478	112.733	202.702
44230_4231	44230	4231	0.79	0.064	6.57	0.478	-32.404	-71.799
44231_4231	44231	4231	-0.843	-0.064	-6.563	0.111	32.404	71.801
44231_4232	44231	4232	0.843	21.595	6.563	-0.111	47.8	-204.139
44232_4232	44232	4232	-1.022	21.574	0.089	-1.571	-47.8	204.292
44232_4233	44232	4233	1.022	-0.462	-0.089	1.571	46.734	-72.277
44233_4233	44233	4233	-1.022	0.462	0.088	-1.64	-46.734	72.271
44233_4234	44233	4234	1.022	20.703	-0.088	1.64	45.676	-193.835
44234_4234	44234	4234	-1.02	19.885	-0.093	-0.483	-45.676	193.889
44234_4235	44234	4235	1.02	-0.871	0.093	0.483	46.674	-81.895
44235_4235	44235	4235	-1.021	0.871	-0.079	0.265	-46.674	81.917
44235_4236	44235	4236	1.021	17.717	0.079	-0.265	47.46	-165.531
44236_4236	44236	4236	-1.63	17.27	12.784	-0.778	-47.46	165.583
44236_4237	44236	4237	1.63	1.563	-12.784	0.778	-81.113	-86.597
44237_4237	44237	4237	-1.625	-1.563	12.785	-0.745	81.113	86.597
44237_4238	44237	4238	1.625	21.541	-12.785	0.745	-217.507	-209.839

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44238_4238	44238	4238	0.106	23.914	-11.351	0.272	217.507	209.97
44238_4239	44238	4239	-0.106	-0.297	11.351	-0.272	-74.349	-57.297
44239_4239	44239	4239	0.036	0.297	-11.352	0.693	74.349	57.298
44239_4240	44239	4240	-0.036	21.958	11.352	-0.693	60.566	-186.015
44240_4240	44240	4240	-0.854	20.472	2.774	-0.047	-60.566	185.872
44240_4241	44240	4241	0.854	-2.371	-2.774	0.047	33.753	-75.47
44241_4241	44241	4241	-0.854	2.371	2.774	-0.052	-33.753	75.47
44241_4242	44241	4242	0.854	16.255	-2.774	0.052	6.162	-144.518
44242_4242	44242	4242	-0.743	18.061	0.961	0.534	-6.162	144.641
44242_4243	44242	4243	0.743	0.753	-0.961	-0.534	-3.49	-57.692
44243_4243	44243	4243	-0.744	-0.753	0.96	0.498	3.49	57.693
44243_4244	44243	4244	0.744	18.703	-0.96	-0.498	-12.694	-150.942
44244_4244	44244	4244	-0.688	18.717	-0.032	0.346	12.694	150.775
44244_4245	44244	4245	0.688	-1.432	0.032	-0.346	-12.394	-57.779
44245_4245	44245	4245	-0.688	1.432	-0.028	0.714	12.394	57.776
44245_4246	44245	4246	0.688	18.023	0.028	-0.714	-12.102	-143.965
44246_4246	44246	4246	-0.674	16.789	0.533	0.446	12.102	143.919
44246_4247	44246	4247	0.674	2.235	-0.533	-0.446	-17.521	-69.991
44247_4247	44247	4247	-0.674	-2.235	0.534	0.458	17.521	69.99
44247_4248	44247	4248	0.674	19.943	-0.534	-0.458	-22.566	-174.85
44248_4248	44248	4248	-0.531	21.545	0.106	-0.113	22.566	175.501
44248_4249	44248	4249	0.531	3.494	-0.106	0.113	-23.988	-54.817
44249_4249	44249	4249	-0.529	-3.494	0.114	0.71	23.988	54.812
44249_4250	44249	4250	0.529	24.333	-0.114	-0.71	-25.259	-209.646
44250_4250	44250	4250	-0.429	22.584	0.013	0.119	25.259	209.836
44250_4251	44250	4251	0.429	1.737	-0.013	-0.119	-25.425	-74.456
44251_4251	44251	4251	-0.429	-1.737	0.013	0.082	25.425	74.456
44251_4252	44251	4252	0.429	17.907	-0.013	-0.082	-25.533	-159.27
44252_4252	44252	4252	-0.385	17.751	-1.976	0.681	25.533	159.251
44252_4253	44252	4253	0.385	4.124	1.976	-0.681	-2.455	-79.656
44253_4253	44253	4253	-0.397	-4.124	-1.973	1.157	2.455	79.651
44253_4254	44253	4254	0.397	22.735	1.973	-1.157	17.156	-213.125
44254_4254	44254	4254	-0.471	19.777	2.266	-1.974	-17.156	212.79
44254_4255	44254	4255	0.471	5.136	-2.266	1.974	-11.403	-120.509
44255_4255	44255	4255	-0.472	-5.136	2.265	-2.046	11.403	120.507
44255_4256	44255	4256	0.472	28.635	-2.265	2.046	-38.338	-321.279
44256_4256	44256	4256	-0.409	24.02	-2.532	-2.211	38.338	321.539
44256_4257	44256	4257	0.409	-1.595	2.532	2.211	-9.608	-176.215
44257_4257	44257	4257	-0.429	1.595	-2.529	-0.88	9.608	176.227
44257_4258	44257	4258	0.429	21.548	2.529	0.88	20.003	-293.051
44258_4258	44258	4258	-0.442	21.725	-2.707	-1.882	-20.003	293.075
44258_4259	44258	4259	0.442	1.273	2.707	1.882	51.508	-174.071
44259_4259	44259	4259	-0.444	-1.273	-2.707	-1.752	-51.508	174.073
44259_4260	44259	4260	0.444	23.834	2.707	1.752	82.411	-317.389
44260_4260	44260	4260	-0.447	21.399	-4.187	-3.274	-82.411	317.346
44260_4261	44260	4261	0.447	1.461	4.187	3.274	130.85	-202.028
44261_4261	44261	4261	-0.495	-1.461	-4.182	-0.928	-130.85	202.052
44261_4262	44261	4262	0.495	24.139	4.182	0.928	178.838	-348.933
44262_4262	44262	4262	-0.354	21.833	5.827	-5.124	-178.838	349.112
44262_4263	44262	4263	0.354	3.259	-5.827	5.124	104.856	-231.199
44263_4263	44263	4263	-0.355	-3.259	5.827	-5.135	-104.856	231.199
44263_4264	44263	4264	0.355	25.976	-5.827	5.135	37.878	-399.226
44264_4264	44264	4264	-0.697	26.493	-20.04	-2.729	-37.878	399.343

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44264_4265	44264	4265	0.697	-1.167	20.04	2.729	294.681	-222.116
44265_4265	44265	4265	-0.789	1.167	-20.036	-1.701	-294.681	222.126
44265_4266	44265	4266	0.789	22.255	20.036	1.701	532.154	-347.095
44266_4266	44266	4266	0.286	25.776	24.248	-2.301	-532.154	347.086
44266_4267	44266	4267	-0.286	-5.212	-24.248	2.301	279.848	-185.869
44267_4267	44267	4267	0.287	5.212	24.248	-2.291	-279.848	185.869
44267_4268	44267	4268	-0.287	12.791	-24.248	2.291	58.955	-220.393
44268_4268	44268	4268	0.036	20.724	4.385	0.426	-58.955	220.359
44268_4269	44268	4269	-0.036	6.033	-4.385	-0.426	0.513	-122.472
44269_4269	44269	4269	0.086	-6.033	4.385	1.823	-0.513	122.459
44269_4270	44269	4270	-0.086	27.32	-4.385	-1.823	-45.975	-299.265
44270_4270	44270	4270	-0.079	36.628	-1.901	0.869	45.975	298.899
44270_4271	44270	4271	0.079	-8.984	1.901	-0.869	-19.794	15.11
44271_4271	44271	4271	-0.078	8.984	-1.901	0.871	19.794	-15.109
44271_4272	44271	4272	0.078	11.916	1.901	-0.871	0	-0.153
44372_4372	44372	4372	-0.077	8.76	-1.288	0.565	0	0.145
44372_4373	44372	4373	0.077	9.732	1.288	-0.565	15.942	-6.155
44373_4373	44373	4373	-0.078	-9.732	-1.288	0.568	-15.942	6.154
44373_4374	44373	4374	0.078	27.435	1.288	-0.568	31.205	-226.343
44374_4374	44374	4374	-0.027	19.763	1.864	0.82	-31.205	226.05
44374_4375	44374	4375	0.027	-2.364	-1.864	-0.82	9.493	-97.219
44375_4375	44375	4375	-0.026	2.364	1.865	0.879	-9.493	97.219
44375_4376	44375	4376	0.026	13.016	-1.865	-0.879	-9.698	-152.038
44376_4376	44376	4376	0.014	15.665	-0.332	0.371	9.698	152.258
44376_4377	44376	4377	-0.014	1.28	0.332	-0.371	-5.936	-70.691
44377_4377	44377	4377	0.01	-1.28	-0.332	1.225	5.936	70.682
44377_4378	44377	4378	-0.01	17.883	0.332	-1.225	-2.247	-177.15
44378_4378	44378	4378	-0.102	17.487	0.276	0.906	2.247	177.114
44378_4379	44378	4379	0.102	0.145	-0.276	-0.906	-5.503	-74.796
44379_4379	44379	4379	-0.102	-0.145	0.276	0.879	5.503	74.797
44379_4380	44379	4380	0.102	18.416	-0.276	-0.879	-8.876	-188.275
44380_4380	44380	4380	-0.117	15.979	-0.078	0.52	8.876	188.362
44380_4381	44380	4381	0.117	0.296	0.078	-0.52	-8.022	-102.947
44381_4381	44381	4381	-0.117	-0.296	-0.078	1.29	8.022	102.94
44381_4382	44381	4382	0.117	14.886	0.078	-1.29	-7.265	-177.065
44382_4382	44382	4382	-0.125	18.464	-0.631	1.491	7.265	176.87
44382_4383	44382	4383	0.125	-1.035	0.631	-1.491	0.099	-63.15
44383_4383	44383	4383	-0.125	1.035	-0.631	1.52	-0.099	63.149
44383_4384	44383	4384	0.125	16.426	0.631	-1.52	7.475	-153.082
44384_4384	44384	4384	-0.119	18.015	-0.157	2.048	-7.475	152.977
44384_4385	44384	4385	0.119	0.514	0.157	-2.048	9.432	-43.56
44385_4385	44385	4385	-0.119	-0.514	-0.156	2.072	-9.432	43.558
44385_4386	44385	4386	0.119	15.647	0.156	-2.072	11.031	-126.084
44386_4386	44386	4386	-0.113	18.096	0.423	1.816	-11.031	126.371
44386_4387	44386	4387	0.113	-0.388	-0.423	-1.816	5.972	-15.92
44387_4387	44387	4387	-0.109	0.388	0.424	1.955	-5.972	15.903
44387_4388	44387	4388	0.109	17.766	-0.424	-1.955	0.773	-122.361
44388_4388	44388	4388	-0.105	18.28	0.621	1.685	-0.773	122.83
44388_4389	44388	4389	0.105	0.59	-0.621	-1.685	-7.139	-10.189
44389_4389	44389	4389	-0.105	-0.59	0.621	1.683	7.139	10.189
44389_4390	44389	4390	0.105	17.587	-0.621	-1.683	-14.265	-114.438
44390_4390	44390	4390	-0.102	17.969	0.399	1.121	14.265	114.371
44390_4391	44390	4391	0.102	1.539	-0.399	-1.121	-19.522	-6.216

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44391_4391	44391	4391	-0.099	-1.539	0.4	1.172	19.522	6.207
44391_4392	44391	4392	0.099	17.894	-0.4	-1.172	-23.939	-113.457
44392_4392	44392	4392	-0.102	17.456	0.073	0.492	23.939	113.498
44392_4393	44392	4393	0.102	0.915	-0.073	-0.492	-24.846	-10.958
44393_4393	44393	4393	-0.102	-0.915	0.073	0.496	24.846	10.958
44393_4394	44393	4394	0.102	18.403	-0.073	-0.496	-25.71	-124.954
44394_4394	44394	4394	-0.09	18.323	1.673	-0.282	25.71	124.765
44394_4395	44394	4395	0.09	-0.742	-1.673	0.282	-45.56	-11.659
44395_4395	44395	4395	-0.074	0.742	1.674	-0.169	45.56	11.662
44395_4396	44395	4396	0.074	17.527	-1.674	0.169	-66.197	-115.131
44396_4396	44396	4396	-0.105	12.963	-3.06	-0.978	66.197	115.467
44396_4397	44396	4397	0.105	4.953	3.06	0.978	-29.199	-67.039
44397_4397	44397	4397	-0.104	-4.953	-3.06	-1.006	29.199	67.039
44397_4398	44397	4398	0.104	22.899	3.06	1.006	7.859	-235.694
44398_4398	44398	4398	-0.082	30.147	0.261	-0.749	-7.859	235.502
44398_4399	44398	4399	0.082	-11.383	-0.261	0.749	4.558	27.448
44399_4399	44399	4399	-0.081	11.383	0.261	-0.841	-4.558	-27.445
44399_4400	44399	4400	0.081	7.32	-0.261	0.841	1.264	53.089
44400_4400	44400	4400	-0.08	-7.32	0.261	-0.888	-1.264	-53.088
44400_4401	44400	4401	0.08	14.499	-0.261	0.888	0	0.231
44572_4572	44572	4572	-0.022	8.847	-0.191	0.708	0	-0.02
44572_4573	44572	4573	0.022	9.654	0.191	-0.708	2.364	-4.974
44573_4573	44573	4573	-0.022	-9.654	-0.191	0.71	-2.364	4.973
44573_4574	44573	4574	0.022	27.228	0.191	-0.71	4.609	-221.871
44574_4574	44574	4574	-0.027	19.274	0.105	0.595	-4.609	222.014
44574_4575	44574	4575	0.027	-2.157	-0.105	-0.595	3.403	-99.26
44575_4575	44575	4575	-0.027	2.157	0.105	0.635	-3.403	99.26
44575_4576	44575	4576	0.027	13.061	-0.105	-0.635	2.332	-154.793
44576_4576	44576	4576	-0.032	15.917	0.256	0.284	-2.332	154.877
44576_4577	44576	4577	0.032	1.077	-0.256	-0.284	-0.576	-70.48
44577_4577	44577	4577	-0.028	-1.077	0.256	1.196	0.576	70.47
44577_4578	44577	4578	0.028	17.961	-0.256	-1.196	-3.47	-178.036
44578_4578	44578	4578	0.101	17.294	0.529	0.779	3.47	178.05
44578_4579	44578	4579	-0.101	0.041	-0.529	-0.779	-9.607	-77.963
44579_4579	44579	4579	0.101	-0.041	0.529	0.724	9.607	77.964
44579_4580	44579	4580	-0.101	18.488	-0.529	-0.724	-16.138	-192.34
44580_4580	44580	4580	0.075	16.454	-0.664	0.526	16.138	192.362
44580_4581	44580	4581	-0.075	-0.232	0.664	-0.526	-8.925	-101.784
44581_4581	44581	4581	0.071	0.232	-0.665	1.093	8.925	101.779
44581_4582	44581	4582	-0.071	14.315	0.665	-1.093	-2.453	-170.333
44582_4582	44582	4582	0.07	18.33	-0.276	1.14	2.453	170.47
44582_4583	44582	4583	-0.07	-1.214	0.276	-1.14	0.705	-58.535
44583_4583	44583	4583	0.07	1.214	-0.276	1.188	-0.705	58.534
44583_4584	44583	4584	-0.07	16.395	0.276	-1.188	3.955	-147.986
44584_4584	44584	4584	0.063	17.869	-0.622	1.469	-3.955	148.135
44584_4585	44584	4585	-0.063	0.515	0.622	-1.469	11.677	-40.486
44585_4585	44585	4585	0.063	-0.515	-0.622	1.476	-11.677	40.485
44585_4586	44585	4586	-0.063	15.698	0.622	-1.476	18.054	-123.549
44586_4586	44586	4586	0.07	18.027	0.8	1.496	-18.054	123.198
44586_4587	44586	4587	-0.07	-0.535	-0.8	-1.496	8.613	-13.641
44587_4587	44587	4587	0.076	0.535	0.799	1.591	-8.613	13.63
44587_4588	44587	4588	-0.076	17.73	-0.799	-1.591	-1.24	-119.611
44588_4588	44588	4588	0.07	18.115	0.385	1.372	1.24	119.236

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44588_4589	44588	4589	-0.07	0.582	-0.385	-1.372	-6.101	-8.623
44589_4589	44589	4589	0.07	-0.582	0.385	1.362	6.101	8.625
44589_4590	44589	4590	-0.07	17.629	-0.385	-1.362	-10.534	-113.38
44590_4590	44590	4590	0.072	17.868	0.379	0.969	10.534	113.529
44590_4591	44590	4591	-0.072	1.528	-0.379	-0.969	-15.49	-6.585
44591_4591	44591	4591	0.075	-1.528	0.378	1.02	15.49	6.577
44591_4592	44591	4592	-0.075	17.891	-0.378	-1.02	-19.665	-113.795
44592_4592	44592	4592	0.074	17.415	0.33	0.538	19.665	113.844
44592_4593	44592	4593	-0.074	0.705	-0.33	-0.538	-23.696	-11.669
44593_4593	44593	4593	0.074	-0.705	0.33	0.528	23.696	11.67
44593_4594	44593	4594	-0.074	18.332	-0.33	-0.528	-27.618	-124.906
44594_4594	44594	4594	0.081	17.927	0.81	-0.11	27.618	124.449
44594_4595	44594	4595	-0.081	-0.335	-0.81	0.11	-37.232	-16.037
44595_4595	44595	4595	0.087	0.335	0.809	0.02	37.232	16.037
44595_4596	44595	4596	-0.087	17.815	-0.809	-0.02	-47.143	-123.095
44596_4596	44596	4596	0.06	14.074	-1.751	-0.276	47.143	122.995
44596_4597	44596	4597	-0.06	3.822	1.751	0.276	-25.998	-61.083
44597_4597	44597	4597	0.062	-3.822	-1.751	-0.335	25.998	61.083
44597_4598	44597	4598	-0.062	21.667	1.751	0.335	-4.912	-214.564
44598_4598	44598	4598	0.053	27.863	-0.183	-0.322	4.912	214.7
44598_4599	44598	4599	-0.053	-9.138	0.183	0.322	-2.595	19.083
44599_4599	44599	4599	0.052	9.138	-0.184	-0.379	2.595	-19.082
44599_4600	44599	4600	-0.052	9.494	0.184	0.379	-0.288	16.842
44600_4600	44600	4600	0.052	-9.494	-0.184	-0.407	0.288	-16.842
44600_4601	44600	4601	-0.052	11.817	0.184	0.407	0	0.141
45000_5000	45000	5000	5.533	457.955	3.479	5.171	0	23.739
45000_5001	45000	5001	-5.533	-420.855	-3.479	-5.171	-44.266	5566.703
45001_5001	45001	5001	5.538	420.855	3.472	-2.309	44.266	-5566.71
45001_5002	45001	5002	-5.538	-392.028	-3.472	2.309	-78.588	9584.723
45002_5002	45002	5002	5.502	340.949	-3.459	11.965	78.588	-9584.86
45002_5003	45002	5003	-5.502	-305.535	3.459	-11.965	-36.586	13510.49
45003_5003	45003	5003	5.496	305.535	-3.467	-8.657	36.586	-13510.5
45003_5004	45003	5004	-5.496	-270.158	3.467	8.657	5.475	17002.65
45004_5004	45004	5004	5.518	224.981	1.053	9.813	-5.475	-17002.9
45004_5005	45004	5005	-5.518	-189.582	-1.053	-9.813	-7.309	19519.2
45005_5005	45005	5005	5.519	189.582	1.048	-8.175	7.309	-19519.2
45005_5006	45005	5006	-5.519	-154.158	-1.048	8.175	-20.04	21607.08
45006_5006	45006	5006	5.514	105.42	-0.3	18.846	20.04	-21607.3
45006_5007	45006	5007	-5.514	-70.028	0.3	-18.846	-16.398	22672.02
45007_5007	45007	5007	5.513	70.028	-0.309	-18.225	16.398	-22672
45007_5008	45007	5008	-5.513	-34.644	0.309	18.225	-12.648	23307.08
45008_5008	45008	5008	5.522	-12.395	0.94	18.484	12.648	-23307.4
45008_5009	45008	5009	-5.522	47.804	-0.94	-18.484	-24.062	22941.88
45009_5009	45009	5009	5.524	-47.804	0.931	-19.021	24.062	-22941.9
45009_5010	45009	5010	-5.524	83.207	-0.931	19.021	-35.364	22146.6
45010_5010	45010	5010	5.52	-130.428	-0.094	-0.774	35.364	-22147
45010_5011	45010	5011	-5.52	165.824	0.094	0.774	-34.224	20348.99
45011_5011	45011	5011	5.52	-165.824	-0.094	-0.774	34.224	-20349
45011_5012	45011	5012	-5.52	201.219	0.094	0.774	-33.084	18121.39
45012_5012	45012	5012	5.52	-247.667	-0.056	4.186	33.084	-18121.7
45012_5013	45012	5013	-5.52	283.081	0.056	-4.186	-32.401	14898.86
45013_5013	45013	5013	5.52	-283.081	-0.06	-6.562	32.401	-14898.9
45013_5014	45013	5014	-5.52	318.463	0.06	6.562	-31.67	11249.48

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45014_5014	45014	5014	5.528	-364.35	1.224	1.339	31.67	-11249.6
45014_5015	45014	5015	-5.528	411.44	-1.224	-1.339	-51.438	4985.618
45015_5015	45015	5015	10.208	-411.348	1.22	-3.525	51.404	-4982.11
45015_5016	45015	5016	-10.464	433.838	-1.22	3.525	-61.476	1493.517
45016_5016	45016	5016	21.282	-479.991	-0.559	-2.03	61.478	-1495.13
45016_5017	45016	5017	-22.335	512.077	0.559	2.03	-54.905	-4333.63
45017_5017	45017	5017	36.651	-511.243	-0.564	0.336	55.065	4333.844
45017_5018	45017	5018	-39.019	550.137	0.564	-0.336	-47.568	-11384.1
45018_5018	45018	5018	58.439	-592.798	0.179	-9.253	46.825	11384.06
45018_5019	45018	5019	-61.87	631.244	-0.179	9.253	-49.062	-19054.2
45019_5019	45019	5019	79.184	-629.304	0.173	7.792	50.939	19054.18
45019_5020	45019	5020	-83.979	670.273	-0.173	-7.792	-53.117	-27232.4
45020_5020	45020	5020	-2531.46	207.11	-15.894	-2.113	393.315	5866.656
45020_5021	45020	5021	2531.462	-180.548	15.894	2.113	-242.382	-4026.05
45021_5021	45021	5021	-2531.47	180.548	-15.492	-1.28	242.382	4019.247
45021_5022	45021	5022	2531.465	-160.963	15.492	1.28	-122.229	-2694.93
45022_5022	45022	5022	-2531.48	160.963	-12.597	1.802	122.229	2694.931
45022_5023	45022	5023	2531.481	-141.405	12.597	-1.802	-24.672	-1524.07
45023_5023	45023	5023	-2531.5	97.945	-6.36	-0.037	24.672	1524.069
45023_5024	45023	5024	2531.502	-77.732	6.36	0.037	26.238	-820.994
45024_5024	45024	5024	-2531.49	77.732	-9.841	-1.166	-26.238	820.993
45024_5025	45024	5025	2531.49	-57.541	9.841	1.166	104.923	-280.219
45025_5025	45025	5025	-2531.51	57.541	-3.215	-0.432	-104.923	280.221
45025_5026	45025	5026	2531.508	-37.331	3.215	0.432	130.651	99.416
45026_5026	45026	5026	-2531.51	-9.046	-2.584	-0.711	-130.651	-99.415
45026_5027	45026	5027	2531.511	24.203	2.584	0.711	146.162	-0.369
45027_5027	45027	5027	-2531.51	-24.203	-3.021	-0.711	-146.162	0.369
45027_5028	45027	5028	2531.511	39.335	3.021	0.711	164.263	-190.736
45028_5028	45028	5028	-2531.51	-39.335	-2.584	-0.678	-164.263	190.736
45028_5029	45028	5029	2531.511	54.493	2.584	0.678	179.775	-472.319
45029_5029	45029	5029	-2531.51	-54.493	1.611	0.105	-179.775	472.32
45029_5030	45029	5030	2531.512	69.647	-1.611	-0.105	170.105	-844.806
45030_5030	45030	5030	-2531.52	-115.745	1.09	-1.985	-170.105	844.782
45030_5031	45030	5031	2531.522	135.95	-1.09	1.985	161.385	-1851.7
45031_5031	45031	5031	-2531.52	-135.95	4.238	0.318	-161.385	1851.705
45031_5032	45031	5032	2531.519	156.153	-4.238	-0.318	127.481	-3020.13
45032_5032	45032	5032	-2531.52	-156.153	4.238	0.318	-127.481	3020.134
45032_5033	45032	5033	2531.519	176.356	-4.238	-0.318	93.577	-4350.19
45033_5033	45033	5033	-2531.47	-220.709	12.498	-2.95	-93.577	4350.3
45033_5034	45033	5034	2531.47	240.273	-12.498	2.95	-3.249	-6136
45034_5034	45034	5034	-2531.47	-240.273	12.498	-2.95	3.249	6135.999
45034_5035	45034	5035	2531.47	259.838	-12.498	2.95	-100.074	-8073.27
45035_5035	45035	5035	-2531.46	-259.838	15.036	5.216	100.074	8080.428
45035_5036	45035	5036	2531.456	286.34	-15.036	-5.216	-242.537	-10667.9
45036_5036	45036	5036	85.85	556.105	0.915	-31.066	-4.622	33347.63
45036_5037	45036	5037	-81.055	-515.059	-0.915	31.066	-6.915	-26594.9
45037_5037	45037	5037	66.919	517.11	0.869	27.911	0.799	26594.91
45037_5038	45037	5038	-63.487	-478.604	-0.869	-27.911	-11.701	-20346.4
45038_5038	45038	5038	47.644	440.936	-0.414	-6.48	14.535	20347.17
45038_5039	45038	5039	-45.276	-402.089	0.414	6.48	-9.036	-14754.3
45039_5039	45039	5039	33.379	403.135	-0.449	17.958	8.167	14716.93
45039_5040	45039	5040	-32.338	-371.39	0.449	-17.958	-2.884	-10165
45040_5040	45040	5040	24.216	322.503	0.48	-3.345	3.384	10165.59

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45040_5041	45040	5041	-23.966	-300.481	-0.48	3.345	-7.345	-7597.5
45041_5041	45041	5041	20.735	300.831	0.467	1.515	7.319	7586.884
45041_5042	45041	5042	-20.735	-263.197	-0.467	-1.515	-14.655	-3152.43
45042_5042	45042	5042	20.73	215.585	-0.517	0.041	14.655	3152.484
45042_5043	45042	5043	-20.73	-187.041	0.517	-0.041	-8.492	-751.558
45043_5043	45043	5043	20.73	187.041	-0.517	0.041	8.492	751.558
45043_5044	45043	5044	-20.73	-158.498	0.517	-0.041	-2.328	1308.946
45044_5044	45044	5044	20.734	113.624	0.069	0.237	2.328	-1308.96
45044_5045	45044	5045	-20.734	-85.062	-0.069	-0.237	-3.156	2494.484
45045_5045	45045	5045	20.734	85.062	0.071	0.416	3.156	-2494.48
45045_5046	45045	5046	-20.734	-56.525	-0.071	-0.416	-4.001	3338.607
45046_5046	45046	5046	20.734	11.257	0.113	3.158	4.001	-3338.66
45046_5047	45046	5047	-20.734	17.3	-0.113	-3.158	-5.345	3302.604
45047_5047	45047	5047	20.734	-17.3	0.079	-2.132	5.345	-3302.61
45047_5048	45047	5048	-20.734	45.83	-0.079	2.132	-6.292	2926.34
45048_5048	45048	5048	20.732	-90.743	-0.261	2.057	6.292	-2926.39
45048_5049	45048	5049	-20.732	119.295	0.261	-2.057	-3.18	1673.565
45049_5049	45049	5049	20.732	-119.295	-0.296	-0.74	3.18	-1673.57
45049_5050	45049	5050	-20.732	147.842	0.296	0.74	0.345	80.377
45050_5050	45050	5050	20.733	-192.007	0.479	-0.617	-0.345	-80.413
45050_5051	45050	5051	-20.733	229.604	-0.479	0.617	-7.177	-3231.14
45051_5051	45051	5051	23.547	-229.242	0.45	3.856	7.215	3234.805
45051_5052	45051	5052	-23.778	249.6	-0.45	-3.856	-10.927	-5211.28
45052_5052	45052	5052	30.977	-294.568	0.129	-5.55	10.706	5211.229
45052_5053	45052	5053	-31.937	323.819	-0.129	5.55	-12.226	-8844.25
45053_5053	45053	5053	41.308	-322.647	0.09	10.884	13.096	8851.527
45053_5054	45053	5054	-43.603	360.193	-0.09	-10.884	-14.287	-13381.7
45054_5054	45054	5054	57.578	-399.486	-0.033	-13.424	12.423	13381.53
45054_5055	45054	5055	-60.895	436.612	0.033	13.424	-12.005	-18628.9
45055_5055	45055	5055	73.045	-434.687	-0.066	15.749	15.147	18628.9
45055_5056	45055	5056	-77.663	474.066	0.066	-15.749	-14.308	-24347.8
45056_5056	45056	5056	-2079.37	264.854	-8.3	0.77	158.992	8031.196
45056_5057	45056	5057	2079.366	-239.121	8.3	-0.77	-80.198	-5638.91
45057_5057	45057	5057	-2079.36	239.121	-9.131	-1.392	80.198	5605.473
45057_5058	45057	5058	2079.363	-218.577	9.131	1.392	-9.441	-3832
45058_5058	45058	5058	-2079.37	218.577	-6.454	3.54	9.441	3831.995
45058_5059	45058	5059	2079.373	-198.035	6.454	-3.54	40.569	-2217.87
45059_5059	45059	5059	-2079.37	156.282	-7.483	-0.768	-40.569	2217.868
45059_5060	45059	5060	2079.372	-135.049	7.483	0.768	100.508	-1051.15
45060_5060	45060	5060	-2079.38	135.049	-2.478	1.762	-100.508	1051.145
45060_5061	45060	5061	2079.384	-113.845	2.478	-1.762	120.331	-55.787
45061_5061	45061	5061	-2079.38	113.845	-2.478	1.762	-120.331	55.787
45061_5062	45061	5062	2079.384	-92.642	2.478	-1.762	140.153	769.98
45062_5062	45062	5062	-2079.39	48.945	-0.633	1.846	-140.153	-769.937
45062_5063	45062	5063	2079.387	-33.03	0.633	-1.846	143.951	1015.997
45063_5063	45063	5063	-2079.39	33.03	-0.864	1.959	-143.951	-1016
45063_5064	45063	5064	2079.387	-17.141	0.864	-1.959	149.127	1166.343
45064_5064	45064	5064	-2079.39	17.141	2.824	-0.109	-149.127	-1166.34
45064_5065	45064	5065	2079.385	-1.228	-2.824	0.109	132.177	1221.477
45065_5065	45065	5065	-2079.39	1.228	2.824	-0.109	-132.177	-1221.48
45065_5066	45065	5066	2079.385	14.685	-2.824	0.109	115.226	1181.087
45066_5066	45066	5066	-2079.39	-58.649	4.727	0.842	-115.226	-1180.99
45066_5067	45066	5067	2079.386	79.847	-4.727	-0.842	77.429	627.261

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45067_5067	45067	5067	-2079.39	-79.847	4.727	0.842	-77.429	-627.261
45067_5068	45067	5068	2079.386	101.045	-4.727	-0.842	39.632	-95.97
45068_5068	45068	5068	-2079.38	-101.045	7.485	0.969	-39.632	95.969
45068_5069	45068	5069	2079.378	122.268	-7.485	-0.969	-20.286	-989.85
45069_5069	45069	5069	-2079.36	-163.276	9.941	-2.49	20.286	989.918
45069_5070	45069	5070	2079.361	183.808	-9.941	2.49	-97.279	-2333.98
45070_5070	45070	5070	-2079.35	-183.808	12.784	0.701	97.279	2333.985
45070_5071	45070	5071	2079.345	204.365	-12.784	-0.701	-196.408	-3838.98
45071_5071	45071	5071	-2079.34	-204.365	14.02	3.28	196.408	3868.515
45071_5072	45071	5072	2079.337	230.106	-14.02	-3.28	-329.562	-5931.63
45072_5072	45072	5072	86.097	509.477	0.11	-11.429	37.723	21970.16
45072_5073	45072	5073	-81.479	-470.102	-0.11	11.429	-39.103	-15807
45073_5073	45073	5073	68.425	472.23	0.069	12.665	36.394	15807
45073_5074	45073	5074	-65.108	-435.115	-0.069	-12.665	-37.253	-10114.8
45074_5074	45074	5074	50.47	399.149	0.044	2.372	38.265	10115.09
45074_5075	45074	5075	-48.176	-361.59	-0.044	-2.372	-38.853	-5066.74
45075_5075	45075	5075	37.194	362.958	-0.011	10.766	38.665	5066.12
45075_5076	45075	5076	-36.265	-334.656	0.011	-10.766	-38.54	-966.915
45076_5076	45076	5076	28.85	289.902	-0.233	0.649	38.755	967.075
45076_5077	45076	5077	-28.627	-270.222	0.233	-0.649	-36.836	1344.159
45077_5077	45077	5077	25.676	270.615	-0.264	-1.44	36.856	-1349.67
45077_5078	45077	5078	-25.676	-234.557	0.264	1.44	-33.087	4951.61
45078_5078	45078	5078	25.674	194.079	-0.353	6.512	33.087	-4951.72
45078_5079	45078	5079	-25.674	-165.721	0.353	-6.512	-29.127	6969.3
45079_5079	45079	5079	25.673	165.721	-0.399	-5.901	29.127	-6969.3
45079_5080	45079	5080	-25.673	-137.365	0.399	5.901	-24.654	8668.704
45080_5080	45080	5080	25.675	97.671	-0.039	8.775	24.654	-8668.79
45080_5081	45080	5081	-25.675	-69.316	0.039	-8.775	-24.212	9605.083
45081_5081	45081	5081	25.675	69.316	-0.085	-8.335	24.212	-9605.08
45081_5082	45081	5082	-25.675	-40.963	0.085	8.335	-23.257	10223.36
45082_5082	45082	5082	25.674	-0.233	-0.271	0.342	23.257	-10223.5
45082_5083	45082	5083	-25.674	30.685	0.271	-0.342	-19.995	10037.34
45083_5083	45083	5083	25.674	-30.685	-0.272	-0.045	19.995	-10037.3
45083_5084	45083	5084	-25.674	61.162	0.272	0.045	-16.718	9483.831
45084_5084	45084	5084	25.673	-102.347	-0.275	7.349	16.718	-9483.98
45084_5085	45084	5085	-25.673	130.696	0.275	-7.349	-13.634	8177.634
45085_5085	45085	5085	25.673	-130.696	-0.321	-7.226	13.634	-8177.63
45085_5086	45085	5086	-25.673	159.042	0.321	7.226	-10.038	6553.612
45086_5086	45086	5086	25.673	-198.453	-0.186	3.809	10.038	-6553.68
45086_5087	45086	5087	-25.673	226.799	0.186	-3.809	-7.951	4170.079
45087_5087	45087	5087	25.673	-226.799	-0.233	-3.777	7.951	-4170.08
45087_5088	45087	5088	-25.673	255.169	0.233	3.777	-5.338	1466.375
45088_5088	45088	5088	25.677	-293.302	0.114	-1.519	5.338	-1466.37
45088_5089	45088	5089	-25.677	327.997	-0.114	1.519	-6.9	-2796.06
45089_5089	45089	5089	29.508	-327.603	0.081	1.951	6.92	2806.48
45089_5090	45089	5090	-29.744	348.39	-0.081	-1.951	-7.588	-5593.81
45090_5090	45090	5090	38.767	-390.344	-0.42	-11.594	7.196	5593.732
45090_5091	45090	5091	-39.748	420.246	0.42	11.594	-2.264	-10357.6
45091_5091	45091	5091	51.677	-418.843	-0.473	9.661	3.233	10358.44
45091_5092	45091	5092	-53.927	455.773	0.473	-9.661	3.042	-16161.6
45092_5092	45092	5092	70.471	-494.878	-0.375	-9.371	-4.47	16161.41
45092_5093	45092	5093	-73.728	531.397	0.375	9.371	9.17	-22598.4
45093_5093	45093	5093	88.385	-529.111	-0.396	9.434	-7.242	22598.42

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45093_5094	45093	5094	-92.926	567.917	0.396	-9.434	12.227	-29503.8
45094_5094	45094	5094	-2377.32	235.409	-6.449	-3.461	69.508	8656.194
45094_5095	45094	5095	2377.315	-210.118	6.449	3.461	-8.275	-6541.04
45095_5095	45095	5095	-2377.32	210.118	-5.48	-0.813	8.275	6543.966
45095_5096	45095	5096	2377.317	-190.058	5.48	0.813	34.219	-4992.48
45096_5096	45096	5096	-2377.32	190.058	-2.511	5.423	-34.219	4992.477
45096_5097	45096	5097	2377.322	-170.024	2.511	-5.423	53.662	-3598.29
45097_5097	45097	5097	-2377.33	129.942	0.327	-0.83	-53.662	3598.255
45097_5098	45097	5098	2377.327	-109.236	-0.327	0.83	51.041	-2641.11
45098_5098	45098	5098	-2377.33	109.236	0.327	-0.83	-51.041	2641.112
45098_5099	45098	5099	2377.327	-88.53	-0.327	0.83	48.42	-1849.69
45099_5099	45099	5099	-2377.32	88.53	3.211	1.414	-48.42	1849.693
45099_5100	45099	5100	2377.324	-67.85	-3.211	-1.414	22.753	-1224.7
45100_5100	45100	5100	-2377.33	25.401	3.769	1.75	-22.753	1224.697
45100_5101	45100	5101	2377.325	-9.872	-3.769	-1.75	0.129	-1118.84
45101_5101	45101	5101	-2377.32	9.872	7.728	3.613	-0.129	1118.833
45101_5102	45101	5102	2377.315	5.657	-7.728	-3.613	-46.257	-1106.18
45102_5102	45102	5102	-2377.31	-5.657	-8.106	-3.755	46.257	1106.183
45102_5103	45102	5103	2377.314	21.188	8.106	3.755	2.407	-1186.76
45103_5103	45103	5103	-2377.32	-21.188	-4.274	-1.841	-2.407	1186.765
45103_5104	45103	5104	2377.324	36.692	4.274	1.841	28.019	-1360.2
45104_5104	45104	5104	-2377.33	-79.413	-2.81	-1.722	-28.019	1360.209
45104_5105	45104	5105	2377.326	100.12	2.81	1.722	50.513	-2078.69
45105_5105	45105	5105	-2377.33	-100.12	0.069	0.796	-50.513	2078.693
45105_5106	45105	5106	2377.327	120.8	-0.069	-0.796	49.959	-2961.67
45106_5106	45106	5106	-2377.33	-120.8	0.158	0.907	-49.959	2961.668
45106_5107	45106	5107	2377.327	141.507	-0.158	-0.907	48.69	-4011.37
45107_5107	45107	5107	-2377.32	-181.437	4.508	-2.992	-48.69	4011.424
45107_5108	45107	5108	2377.321	201.495	-4.508	2.992	13.739	-5495.89
45108_5108	45108	5108	-2377.32	-201.495	4.421	-3.194	-13.739	5495.887
45108_5109	45108	5109	2377.321	221.528	-4.421	3.194	-20.493	-7133.65
45109_5109	45109	5109	-2377.32	-221.528	6.928	4.341	20.493	7129.754
45109_5110	45109	5110	2377.315	246.841	-6.928	-4.341	-86.333	-9355.34
45110_5110	45110	5110	87.464	549.839	0.009	-18.827	10.508	30348.93
45110_5111	45110	5111	-82.923	-511.043	-0.009	18.827	-10.628	-23673.3
45111_5111	45111	5111	68.805	513.186	-0.026	18.124	6.72	23673.3
45111_5112	45111	5112	-65.548	-476.678	0.026	-18.124	-6.388	-17467
45112_5112	45112	5112	49.928	442.76	0.172	-3.31	8.223	17467.38
45112_5113	45112	5113	-47.678	-405.817	-0.172	3.31	-10.511	-11835.1
45113_5113	45113	5113	35.593	407.171	0.144	11.022	10.012	11842.33
45113_5114	45113	5114	-34.621	-377.558	-0.144	-11.022	-11.698	-7229.06
45114_5114	45114	5114	26.385	334.227	0.253	-0.444	11.981	7229.305
45114_5115	45114	5115	-26.151	-313.662	-0.253	0.444	-14.062	-4559.33
45115_5115	45115	5115	22.744	314.012	0.246	0.586	14.06	4546.183
45115_5116	45115	5116	-22.744	-280.478	-0.246	-0.586	-17.571	-312.533
45116_5116	45116	5116	22.743	239.53	-0.637	1.174	17.571	312.534
45116_5117	45116	5117	-22.743	-213.132	0.637	-1.174	-10.435	2225.081
45117_5117	45117	5117	22.743	213.132	-0.657	-0.81	10.435	-2225.08
45117_5118	45117	5118	-22.743	-186.735	0.657	0.81	-3.071	4466.692
45118_5118	45118	5118	22.743	147.8	0.257	2.984	3.071	-4466.7
45118_5119	45118	5119	-22.743	-121.404	-0.257	-2.984	-5.947	5975.785
45119_5119	45119	5119	22.743	121.404	0.236	-2.346	5.947	-5975.79
45119_5120	45119	5120	-22.743	-95.008	-0.236	2.346	-8.597	7188.914

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45120_5120	45120	5120	22.744	54.528	-0.331	9.869	8.597	-7188.91
45120_5121	45120	5121	-22.744	-26.154	0.331	-9.869	-4.612	7675.07
45121_5121	45121	5121	22.743	26.154	-0.387	-9.156	4.612	-7675.07
45121_5122	45121	5122	-22.743	2.195	0.387	9.156	0.049	7819.314
45122_5122	45122	5122	22.743	-41.934	-0.046	3.599	-0.049	-7819.32
45122_5123	45122	5123	-22.743	68.329	0.046	-3.599	0.562	7201.255
45123_5123	45123	5123	22.743	-68.329	-0.066	-2.824	-0.562	-7201.26
45123_5124	45123	5124	-22.743	94.723	0.066	2.824	1.303	6287.297
45124_5124	45124	5124	22.742	-132.859	-0.014	4.505	-1.303	-6287.3
45124_5125	45124	5125	-22.742	159.253	0.014	-4.505	1.463	4649.93
45125_5125	45125	5125	22.741	-159.253	-0.055	-3.791	-1.463	-4649.93
45125_5126	45125	5126	-22.741	185.647	0.055	3.791	2.077	2716.705
45126_5126	45126	5126	22.737	-221.317	-0.615	-0.054	-2.077	-2716.72
45126_5127	45126	5127	-22.737	253.503	0.615	0.054	10.487	-528.76
45127_5127	45127	5127	25.773	-253.148	-0.644	0.914	-10.481	536.015
45127_5128	45127	5128	-25.987	272.052	0.644	-0.914	15.792	-2702.61
45128_5128	45128	5128	33.29	-308.407	1.441	-4.425	-15.957	2702.518
45128_5129	45128	5129	-34.182	335.618	-1.441	4.425	-0.988	-6487.95
45129_5129	45129	5129	43.772	-334.377	1.394	8.998	1.685	6485.735
45129_5130	45129	5130	-45.951	370.148	-1.394	-8.998	-20.185	-11160.7
45130_5130	45130	5130	59.951	-407.447	-3.661	-6.665	19.061	11160.58
45130_5131	45130	5131	-63.11	442.876	3.661	6.665	26.874	-16494.9
45131_5131	45131	5131	75.389	-440.908	-3.679	7.194	-25.489	16494.92
45131_5132	45131	5132	-79.801	478.594	3.679	-7.194	71.783	-22279.5
45132_5132	45132	5132	-2004.56	227.11	22.903	9.653	-290.274	6479.22
45132_5133	45132	5133	2004.562	-202.64	-22.903	-9.653	72.7	-4437.91
45133_5133	45133	5133	-2004.53	202.64	25.489	15.501	-72.7	4469.678
45133_5134	45133	5134	2004.531	-184.389	-25.489	-15.501	-124.841	-2969.94
45134_5134	45134	5134	-2004.69	184.389	-0.346	-22.775	124.841	2969.892
45134_5135	45134	5135	2004.693	-166.114	0.346	22.775	-122.154	-1609.85
45135_5135	45135	5135	-2004.68	118.123	-3.515	-0.503	122.154	1610.221
45135_5136	45135	5136	2004.68	-99.282	3.515	0.503	-94.035	-740.548
45136_5136	45136	5136	-2004.68	99.282	-1.009	0.423	94.035	740.548
45136_5137	45136	5137	2004.683	-80.442	1.009	-0.423	-85.961	-21.618
45137_5137	45137	5137	-2004.68	80.442	-3.543	0.396	85.961	21.618
45137_5138	45137	5138	2004.68	-61.625	3.543	-0.396	-57.652	545.972
45138_5138	45138	5138	-2004.69	16.468	-2.977	0.554	57.652	-546.1
45138_5139	45138	5139	2004.691	-2.337	2.977	-0.554	-39.79	602.52
45139_5139	45139	5139	-2004.69	2.337	0.364	-0.45	39.79	-602.52
45139_5140	45139	5140	2004.693	11.793	-0.364	0.45	-41.974	574.153
45140_5140	45140	5140	-2004.69	-11.793	-2.977	0.506	41.974	-574.153
45140_5141	45140	5141	2004.691	25.923	2.977	-0.506	-24.113	460.998
45141_5141	45141	5141	-2004.69	-25.923	0.364	-0.262	24.113	-460.998
45141_5142	45141	5142	2004.693	40.053	-0.364	0.262	-26.297	263.058
45142_5142	45142	5142	-2004.69	-84.402	-2.119	0.07	26.297	-263.175
45142_5143	45142	5143	2004.694	103.242	2.119	-0.07	-9.343	-487.451
45143_5143	45143	5143	-2004.69	-103.242	-2.119	0.07	9.343	487.451
45143_5144	45143	5144	2004.694	122.083	2.119	-0.07	7.611	-1388.81
45144_5144	45144	5144	-2004.69	-122.083	-2.119	0.07	-7.611	1388.81
45144_5145	45144	5145	2004.694	140.924	2.119	-0.07	24.565	-2440.9
45145_5145	45145	5145	-2004.69	-181.533	-0.558	1.947	-24.565	2440.809
45145_5146	45145	5146	2004.687	199.785	0.558	-1.947	28.888	-3918.5
45146_5146	45146	5146	-2004.69	-199.785	-0.558	1.947	-28.888	3918.497

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45146_5147	45146	5147	2004.687	218.037	0.558	-1.947	33.211	-5537.64
45147_5147	45147	5147	-2004.69	-218.037	-3.076	-4.907	-33.211	5509.848
45147_5148	45147	5148	2004.685	242.509	3.076	4.907	62.436	-7697.59
45148_5148	45148	5148	77.351	463.278	0.09	-7.676	-10.544	23869
45148_5149	45148	5149	-72.938	-425.59	-0.09	7.676	9.411	-18277.4
45149_5149	45149	5149	61.122	427.488	0.072	7.145	-10.964	18277.44
45149_5150	45149	5150	-57.962	-392.058	-0.072	-7.145	10.061	-13136.4
45150_5150	45150	5150	44.962	362.304	0.153	-0.487	-9.351	13136.4
45150_5151	45150	5151	-42.782	-326.532	-0.153	0.487	7.317	-8565.55
45151_5151	45151	5151	32.752	327.667	0.147	1.771	-7.382	8547.414
45151_5152	45151	5152	-31.835	-299.713	-0.147	-1.771	5.65	-4859.98
45152_5152	45152	5152	25.285	257.464	0.082	-0.075	-5.602	4859.951
45152_5153	45152	5153	-25.064	-238.038	-0.082	0.075	4.928	-2815.82
45153_5153	45153	5153	22.526	238.406	0.082	-0.035	-4.929	2811.968
45153_5154	45153	5154	-22.526	-207.054	-0.082	0.035	3.803	248.527
45154_5154	45154	5154	22.526	165.385	0.127	0.025	-3.803	-248.526
45154_5155	45154	5155	-22.526	-140.285	-0.127	-0.025	2.408	1929.81
45155_5155	45155	5155	22.526	140.285	0.127	0.025	-2.408	-1929.81
45155_5156	45155	5156	-22.526	-115.185	-0.127	-0.025	1.014	3334.977
45156_5156	45156	5156	22.528	75.556	-0.09	0.041	-1.014	-3334.98
45156_5157	45156	5157	-22.528	-52.715	0.09	-0.041	1.916	3977.014
45157_5157	45157	5157	22.528	52.715	-0.09	0.085	-1.916	-3977.01
45157_5158	45157	5158	-22.528	-29.897	0.09	-0.085	2.815	4390.096
45158_5158	45158	5158	22.525	-8.068	0.106	-1.949	-2.815	-4390.1
45158_5159	45158	5159	-22.525	30.909	-0.106	1.949	1.756	4195.009
45159_5159	45159	5159	22.525	-30.909	0.128	2.241	-1.756	-4195.01
45159_5160	45159	5160	-22.525	53.75	-0.128	-2.241	0.472	3771.263
45160_5160	45160	5160	22.522	-93.901	0.374	0.115	-0.472	-3771.28
45160_5161	45160	5161	-22.522	119.001	-0.374	-0.115	-3.64	2600.25
45161_5161	45161	5161	22.522	-119.001	0.374	0.115	3.64	-2600.25
45161_5162	45161	5162	-22.522	144.101	-0.374	-0.115	-7.752	1153.101
45162_5162	45162	5162	22.534	-182.592	-0.589	-0.294	7.752	-1153.06
45162_5163	45162	5163	-22.534	213.944	0.589	0.294	0.336	-1571.33
45163_5163	45163	5163	25.132	-213.57	-0.605	0.825	-0.328	1573.289
45163_5164	45163	5164	-25.352	232.996	0.605	-0.825	5.321	-3415.56
45164_5164	45164	5164	31.931	-272.506	0.546	3.063	-5.23	3415.56
45164_5165	45164	5165	-32.848	300.46	-0.546	-3.063	-1.184	-6783.42
45165_5165	45165	5165	41.499	-299.289	0.571	-4.169	0.831	6788.933
45165_5166	45165	5166	-43.707	335.529	-0.571	4.169	-8.403	-11001.5
45166_5166	45166	5166	56.668	-371.784	0.09	-5.884	8.141	11001.57
45166_5167	45166	5167	-59.867	407.656	-0.09	5.884	-9.277	-15891.6
45167_5167	45167	5167	71.189	-405.784	0.072	6.484	10.612	15891.55
45167_5168	45167	5168	-75.653	443.912	-0.072	-6.484	-11.525	-21237.3
45168_5168	45168	5168	-1933.19	246.634	-1.037	-2.506	3.714	6900.35
45168_5169	45168	5169	1933.185	-221.827	1.037	2.506	6.143	-4675.01
45169_5169	45169	5169	-1933.19	221.827	1.365	3.261	-6.143	4707.934
45169_5170	45169	5170	1933.185	-203.096	-1.365	-3.261	-4.425	-3063.39
45170_5170	45170	5170	-1933.19	203.096	-1.103	-0.651	4.425	3063.395
45170_5171	45170	5171	1933.185	-184.341	1.103	0.651	4.124	-1561.98
45171_5171	45171	5171	-1933.17	138.676	1.592	0.488	-4.124	1561.843
45171_5172	45171	5172	1933.167	-119.316	-1.592	-0.488	-8.616	-529.825
45172_5172	45172	5172	-1933.17	119.316	-0.824	-0.174	8.616	529.825
45172_5173	45172	5173	1933.167	-99.956	0.824	0.174	-2.026	347.316

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45173_5173	45173	5173	-1933.17	99.956	-0.824	-0.174	2.026	-347.316
45173_5174	45173	5174	1933.167	-80.595	0.824	0.174	4.564	1069.565
45174_5174	45174	5174	-1933.17	32.845	1.926	-0.951	-4.564	-1069.7
45174_5175	45174	5175	1933.171	-18.325	-1.926	0.951	-6.99	1223.216
45175_5175	45175	5175	-1933.17	18.325	-1.296	1.087	6.99	-1223.22
45175_5176	45175	5176	1933.172	-3.805	1.296	-1.087	0.787	1289.611
45176_5176	45176	5176	-1933.17	3.805	1.926	-1.062	-0.787	-1289.61
45176_5177	45176	5177	1933.171	10.715	-1.926	1.062	-10.766	1268.88
45177_5177	45177	5177	-1933.17	-10.715	-1.296	1.053	10.766	-1268.88
45177_5178	45177	5178	1933.172	25.235	1.296	-1.053	-2.989	1161.022
45178_5178	45178	5178	-1933.18	-73.083	-0.174	-0.127	2.989	-1161.17
45178_5179	45178	5179	1933.176	92.443	0.174	0.127	-1.598	499.023
45179_5179	45179	5179	-1933.18	-92.443	-0.174	-0.127	1.598	-499.023
45179_5180	45179	5180	1933.176	111.803	0.174	0.127	-0.207	-318.013
45180_5180	45180	5180	-1933.18	-111.803	2.242	0.27	0.207	318.013
45180_5181	45180	5181	1933.175	131.163	-2.242	-0.27	-18.146	-1289.93
45181_5181	45181	5181	-1933.17	-175.324	-1.391	-0.636	18.146	1289.941
45181_5182	45181	5182	1933.171	194.079	1.391	0.636	-7.368	-2721.47
45182_5182	45182	5182	-1933.17	-194.079	1.104	2.875	7.368	2721.473
45182_5183	45182	5183	1933.171	212.834	-1.104	-2.875	-15.921	-4298.35
45183_5183	45183	5183	-1933.17	-212.834	-1.325	-2.48	15.921	4271.903
45183_5184	45183	5184	1933.171	237.641	1.325	2.48	-3.333	-6411.8
45184_5184	45184	5184	94.233	460.215	-0.111	6.24	0.535	20813.17
45184_5185	45184	5185	-89.769	-422.087	0.111	-6.24	0.858	-15262.9
45185_5185	45185	5185	78.033	424.461	-0.079	-5.879	0.449	15262.86
45185_5186	45185	5186	-74.834	-388.589	0.079	5.879	0.543	-10162.4
45186_5186	45186	5186	61.628	355.062	-0.329	-0.466	-1.052	10162.47
45186_5187	45186	5187	-59.42	-318.823	0.329	0.466	5.415	-5690.84
45187_5187	45187	5187	49.5	320.564	-0.309	-1.977	-5.388	5699.788
45187_5188	45187	5188	-48.542	-291.344	0.309	1.977	9.019	-2103.31
45188_5188	45188	5188	42.142	245.343	0.252	-0.463	-9.054	2103.41
45188_5189	45188	5189	-41.911	-225.053	-0.252	0.463	6.976	-165.206
45189_5189	45189	5189	39.524	225.592	0.252	-0.447	-6.979	170.494
45189_5190	45189	5190	-39.524	-191.334	-0.252	0.447	3.518	2696.04
45190_5190	45190	5190	39.523	147.536	0.351	-0.489	-3.518	-2696.04
45190_5191	45190	5191	-39.523	-120.129	-0.351	0.489	-0.348	4168.286
45191_5191	45191	5191	39.523	120.129	0.351	-0.489	0.348	-4168.29
45191_5192	45191	5192	-39.523	-92.723	-0.351	0.489	-4.215	5339.044
45192_5192	45192	5192	39.537	49.85	-1.092	-0.328	4.215	-5339.05
45192_5193	45192	5193	-39.537	-24.886	1.092	0.328	6.724	5713.497
45193_5193	45193	5193	39.537	24.886	-1.092	-0.391	-6.724	-5713.5
45193_5194	45193	5194	-39.537	0.104	1.092	0.391	17.679	5837.786
45194_5194	45194	5194	39.514	-41.391	0.4	-0.272	-17.679	-5837.82
45194_5195	45194	5195	-39.514	66.381	-0.4	0.272	13.666	5297.315
45195_5195	45195	5195	39.514	-66.381	0.4	-0.272	-13.666	-5297.32
45195_5196	45195	5196	-39.514	91.37	-0.4	0.272	9.653	4506.144
45196_5196	45196	5196	39.523	-135.331	-0.13	-0.169	-9.653	-4506.14
45196_5197	45196	5197	-39.523	162.738	0.13	0.169	11.078	2866.664
45197_5197	45197	5197	39.523	-162.738	-0.13	-0.169	-11.078	-2866.66
45197_5198	45197	5198	-39.523	190.144	0.13	0.169	12.504	925.699
45198_5198	45198	5198	39.526	-233.085	-0.364	0.056	-12.504	-925.701
45198_5199	45198	5199	-39.526	267.318	0.364	-0.056	17.499	-2512.27
45199_5199	45199	5199	42.816	-266.756	-0.364	0.127	-17.499	2499.319

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45199_5200	45199	5200	-43.061	287.912	0.364	-0.127	20.501	-4787.58
45200_5200	45200	5200	51.202	-333.326	0.235	0.941	-20.475	4787.507
45200_5201	45200	5201	-52.219	363.744	-0.235	-0.941	17.71	-8885.05
45201_5201	45201	5201	62.768	-361.987	0.245	-0.78	-17.809	8888.817
45201_5202	45201	5202	-65.27	402.492	-0.245	0.78	14.553	-13962.4
45202_5202	45202	5202	80.985	-446.002	-0.236	8.06	-13.778	13962.3
45202_5203	45202	5203	-84.584	485.898	0.236	-8.06	16.738	-19809.6
45203_5203	45203	5203	98.122	-483.302	-0.204	-7.268	-18.397	19809.65
45203_5204	45203	5204	-103.104	525.455	0.204	7.268	20.966	-26157.5
45204_5204	45204	5204	-2247.94	268.624	-1.092	3.141	25.405	8631.145
45204_5205	45204	5205	2247.938	-240.759	1.092	-3.141	-15.031	-6211.44
45205_5205	45205	5205	-2247.94	240.759	-3.534	-3.459	15.031	5964.361
45205_5206	45205	5206	2247.936	-219.509	3.534	3.459	12.362	-4180.7
45206_5206	45206	5206	-2247.94	219.509	-0.634	1.934	-12.362	4180.703
45206_5207	45206	5207	2247.938	-198.258	0.634	-1.934	17.277	-2561.77
45207_5207	45207	5207	-2247.93	150.984	-3.255	0.784	-17.277	2561.785
45207_5208	45207	5208	2247.928	-129.048	3.255	-0.784	43.316	-1441.59
45208_5208	45208	5208	-2247.93	129.048	-3.255	0.784	-43.316	1441.586
45208_5209	45208	5209	2247.928	-107.112	3.255	-0.784	69.355	-496.887
45209_5209	45209	5209	-2247.93	107.112	-3.255	0.784	-69.355	496.887
45209_5210	45209	5210	2247.928	-85.176	3.255	-0.784	95.395	272.311
45210_5210	45210	5210	-2247.97	36.577	2.369	0.597	-95.395	-272.323
45210_5211	45210	5211	2247.974	-20.125	-2.369	-0.597	81.18	442.439
45211_5211	45211	5211	-2247.98	20.125	-1.377	1.334	-81.18	-442.438
45211_5212	45211	5212	2247.975	-3.673	1.377	-1.334	89.444	513.838
45212_5212	45212	5212	-2247.97	3.673	2.369	0.478	-89.444	-513.84
45212_5213	45212	5213	2247.974	12.779	-2.369	-0.478	75.23	486.522
45213_5213	45213	5213	-2247.98	-12.779	-1.377	1.288	-75.23	-486.52
45213_5214	45213	5214	2247.975	29.231	1.377	-1.288	83.494	360.483
45214_5214	45214	5214	-2248.03	-77.599	2.482	1.225	-83.494	-360.367
45214_5215	45214	5215	2248.034	99.535	-2.482	-1.225	63.635	-348.216
45215_5215	45215	5215	-2248.03	-99.535	5.292	1.661	-63.635	348.215
45215_5216	45215	5216	2248.029	121.471	-5.292	-1.661	21.298	-1232.29
45216_5216	45216	5216	-2248.03	-121.471	2.482	0.12	-21.298	1232.287
45216_5217	45216	5217	2248.034	143.407	-2.482	-0.12	1.44	-2291.87
45217_5217	45217	5217	-2248.06	-189.201	2.93	-14.217	-1.44	2291.711
45217_5218	45217	5218	2248.059	210.424	-2.93	14.217	-21.24	-3838.37
45218_5218	45218	5218	-2248.05	-210.424	5.864	-9.207	21.24	3838.38
45218_5219	45218	5219	2248.053	231.675	-5.864	9.207	-66.689	-5551.61
45219_5219	45219	5219	-2247.98	-231.675	19.603	27.097	66.689	5807.658
45219_5220	45219	5220	2247.975	259.538	-19.603	-27.097	-252.922	-8140.94
45220_5220	45220	5220	93.046	536.343	0.404	-29.667	0.677	25603.61
45220_5221	45220	5221	-88.064	-494.192	-0.404	29.667	-5.769	-19119.8
45221_5221	45221	5221	74.293	496.495	0.312	31.099	-0.796	19119.82
45221_5222	45221	5222	-70.694	-456.6	-0.312	-31.099	-3.119	-13140.1
45222_5222	45222	5222	54.958	414.391	2.893	-3.53	6.21	13140.43
45222_5223	45222	5223	-52.456	-373.885	-2.893	3.53	-44.592	-7909.14
45223_5223	45223	5223	40.757	375.293	2.775	26.684	43.735	7892.391
45223_5224	45223	5224	-39.687	-343.285	-2.775	-26.684	-76.351	-3668.52
45224_5224	45224	5224	31.971	288.977	-2.116	-3.516	76.906	3668.903
45224_5225	45224	5225	-31.713	-266.704	2.116	3.516	-59.443	-1376.26
45225_5225	45225	5225	28.831	267.148	-2.227	1.271	59.465	1383.732
45225_5226	45225	5226	-28.831	-223.961	2.227	-1.271	-25.073	2408.55

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45226_5226	45226	5226	28.824	170.444	1.805	9.744	25.073	-2408.52
45226_5227	45226	5227	-28.824	-137.296	-1.805	-9.744	-46.473	4232.508
45227_5227	45227	5227	28.831	137.296	1.684	-8.1	46.473	-4232.51
45227_5228	45227	5228	-28.831	-104.144	-1.684	8.1	-66.435	5663.703
45228_5228	45228	5228	28.881	51.148	-2.259	13.374	66.435	-5663.24
45228_5229	45228	5229	-28.881	-15.919	2.259	-13.374	-39.651	6060.823
45229_5229	45229	5229	28.871	15.919	-2.381	-12.168	39.651	-6060.83
45229_5230	45229	5230	-28.871	19.316	2.381	12.168	-11.42	6040.68
45230_5230	45230	5230	28.844	-73.501	-1.586	7.272	11.42	-6039.69
45230_5231	45230	5231	-28.844	109.721	1.586	-7.272	7.909	4922.964
45231_5231	45231	5231	28.838	-109.721	-1.68	-8.867	-7.909	-4922.96
45231_5232	45231	5232	-28.838	145.947	1.68	8.867	28.395	3364.47
45232_5232	45232	5232	28.364	-201.568	18.529	3.039	-28.395	-3363.65
45232_5233	45232	5233	-28.364	228.876	-18.529	-3.039	-141.899	1385.644
45233_5233	45233	5233	30.746	-228.511	18.487	-0.116	141.901	-1385.64
45233_5234	45233	5234	-30.943	249.383	-18.487	0.116	-269.251	-260.395
45234_5234	45234	5234	35.215	-248.72	18.421	-2.86	269.202	260.39
45234_5235	45234	5235	-35.808	272.278	-18.421	2.86	-411.814	-2277.42
45235_5235	45235	5235	42.954	-316.134	-20.047	-3.5	411.846	2277.627
45235_5236	45235	5236	-43.6	332.583	20.047	3.5	-304.203	-4020.07
45236_5236	45236	5236	48.907	-332.013	-20.149	-3.68	304.447	4053.382
45236_5237	45236	5237	-50.641	363.58	20.149	3.68	-133.961	-6997.92
45237_5237	45237	5237	56.758	-362.653	-20.209	8.417	134.947	6997.9
45237_5238	45237	5238	-58.545	387.703	20.209	-8.417	-1.519	-9477.39
45238_5238	45238	5238	69.457	-438.336	-3.132	-20.823	-0.918	9474.576
45238_5239	45238	5239	-72.879	476.667	3.132	20.823	31.84	-13994
45239_5239	45239	5239	99.634	-471.736	-3.199	12.177	-28.145	13993.99
45239_5240	45239	5240	-105.883	514.773	3.199	-12.177	62.312	-19269.4
45240_5240	45240	5240	-2112.06	319.54	-62.489	-4.702	1225.976	7003.35
45240_5241	45240	5241	2112.055	-274.888	62.489	4.702	-458.189	-3351.57
45241_5241	45241	5241	-2112.29	274.888	-53.792	8.377	458.189	3364.405
45241_5242	45241	5242	2112.294	-253.91	53.792	-8.377	-143.274	-1816.52
45242_5242	45242	5242	-2112.34	253.91	-52.168	9.773	143.274	1816.508
45242_5243	45242	5243	2112.335	-231.135	52.168	-9.773	188.303	-275.047
45243_5243	45243	5243	-2114.38	188.297	-12.372	3.676	-188.303	274.653
45243_5244	45243	5244	2114.379	-153.087	12.372	-3.676	309.878	1402.637
45244_5244	45244	5244	-2114.41	153.087	-5.277	-1.031	-309.878	-1402.64
45244_5245	45244	5245	2114.409	-118.012	5.277	1.031	361.529	2729.502
45245_5245	45245	5245	-2113.65	77.201	-15.808	6.451	-361.529	-2728.8
45245_5246	45245	5246	2113.65	-40.862	15.808	-6.451	521.849	3327.476
45246_5246	45246	5246	-2113.69	40.862	-8.647	-4.822	-521.849	-3327.48
45246_5247	45246	5247	2113.691	-6.885	8.647	4.822	603.841	3553.851
45247_5247	45247	5247	-2113.61	-36.378	-5.006	5.587	-603.841	-3552.98
45247_5248	45247	5248	2113.612	69.679	5.006	-5.587	650.366	3060.151
45248_5248	45248	5248	-2113.62	-69.679	1.544	-3.895	-650.366	-3060.15
45248_5249	45248	5249	2113.618	106.694	-1.544	3.895	634.421	2149.171
45249_5249	45249	5249	-2114.75	-146.317	38.021	1.726	-634.421	-2148.72
45249_5250	45249	5250	2114.748	182.55	-38.021	-1.726	249.95	485.974
45250_5250	45250	5250	-2114.64	-182.55	43.516	0.464	-249.95	-485.977
45250_5251	45250	5251	2114.642	216.633	-43.516	-0.464	-163.961	-1412.49
45251_5251	45251	5251	-2112.23	-271.436	-25.39	-36.193	163.961	1411.247
45251_5252	45251	5252	2112.234	293.107	25.39	36.193	-10.404	-3118.39
45252_5252	45252	5252	-2112.27	-293.107	-22.11	-31.35	10.404	3118.444

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45252_5253	45252	5253	2112.271	315.537	22.11	31.35	127.998	-5023.44
45253_5253	45253	5253	-2112.32	-315.537	-16.638	-18.333	-127.998	5021.859
45253_5254	45253	5254	2112.321	350.054	16.638	18.333	286.022	-8182.63
45254_5254	45254	5254	132.778	534.42	-78.877	236.717	-265.643	21761.16
45254_5255	45254	5255	-131.362	-523.273	78.877	-236.717	479.134	-20329.6
45255_5255	45255	5255	113.577	472.402	42.596	-21.009	-445.42	20324.05
45255_5256	45255	5256	-108.027	-421.907	-42.596	21.009	-91.455	-14689.5
45256_5256	45256	5256	98.12	424.364	42.36	34.007	85.642	14689.47
45256_5257	45256	5257	-95.08	-389.066	-42.36	-34.007	-472.683	-10973.4
45257_5257	45257	5257	85.776	335.721	-22.846	-24.823	477.072	10972.25
45257_5258	45257	5258	-84.072	-311.089	22.846	24.823	-328.249	-8865.28
45258_5258	45258	5258	79.184	312.373	-22.992	-8.814	326.537	8865.366
45258_5259	45258	5259	-77.686	-284.636	22.992	8.814	-155.309	-6642.28
45259_5259	45259	5259	72.657	285.951	-23.176	9.04	154.25	6637.656
45259_5260	45259	5260	-71.764	-261.593	23.176	-9.04	23.875	-4533.45
45260_5260	45260	5260	66.554	215.427	4.266	-11.356	-23.428	4441.36
45260_5261	45260	5261	-66.126	-196.2	-4.266	11.356	-1.788	-3224.8
45261_5261	45261	5261	63.253	197.308	4.046	0.265	1.755	3224.824
45261_5262	45261	5262	-63.066	-176.53	-4.046	-0.265	-27.668	-2027.51
45262_5262	45262	5262	61.277	177.264	3.975	2.957	27.669	2002.576
45262_5263	45262	5263	-61.277	-138.308	-3.975	-2.957	-76.119	-79.515
45263_5263	45263	5263	61.309	75.477	-2.674	-0.341	76.119	79.588
45263_5264	45263	5264	-61.309	-38.98	2.674	0.341	-45.584	573.887
45264_5264	45264	5264	61.301	38.98	-2.85	-1.989	45.584	-573.884
45264_5265	45264	5265	-61.301	-1.793	2.85	1.989	-12.423	811.074
45265_5265	45265	5265	61.291	-51.99	-2.934	-1.96	12.423	-810.989
45265_5266	45265	5266	-61.291	89.257	2.934	1.96	21.785	-12.448
45266_5266	45266	5266	61.279	-89.257	-3.177	-1.911	-21.785	12.456
45266_5267	45266	5267	-61.279	125.673	3.177	1.911	57.977	-1236.83
45267_5267	45267	5267	61.334	-181.256	3.115	-11.94	-57.977	1237.026
45267_5268	45267	5268	-61.334	218.137	-3.115	11.94	22.037	-3541.27
45268_5268	45268	5268	61.348	-218.137	2.821	4.99	-22.037	3541.281
45268_5269	45268	5269	-61.348	254.914	-2.821	-4.99	-10.427	-6262.75
45269_5269	45269	5269	61.171	-307.861	-8.296	-29.227	10.427	6263.44
45269_5270	45269	5270	-61.171	336.185	8.296	29.227	63.085	-9117.04
45270_5270	45270	5270	61.147	-336.185	-8.473	-2.855	-63.085	9117.088
45270_5271	45270	5271	-61.147	364.391	8.473	2.855	137.854	-12208.3
45271_5271	45271	5271	64.217	-363.679	-8.611	25.171	-137.732	12240.02
45271_5272	45271	5272	-64.413	385.67	8.611	-25.171	192.851	-14638.3
45272_5272	45272	5272	71.815	-449.671	19.515	-50.622	-193.865	14639.37
45272_5273	45272	5273	-72.386	473.927	-19.515	50.622	56.638	-17886.8
45273_5273	45273	5273	79.07	-472.592	19.392	-15.009	-56.186	17886.85
45273_5274	45273	5274	-79.938	495.356	-19.392	15.009	-70.842	-21057.5
45274_5274	45274	5274	89.137	-493.642	19.237	37.372	73.074	21081.1
45274_5275	45274	5275	-91.649	537.67	-19.237	-37.372	-287.759	-26836.1
45275_5275	45275	5275	106.525	-599.476	-68.623	-73.592	281.364	26840.63
45275_5276	45275	5276	-109.719	639.414	68.623	73.592	395.235	-32949.5
45276_5276	45276	5276	122.593	-636.87	-68.866	68.129	-384.485	32949.65
45276_5277	45276	5277	-126.634	676.856	68.866	-68.129	1043.337	-39236.4
45277_5277	45277	5277	151.985	-732.62	73.353	-78.713	-1062.19	39368.47
45277_5278	45277	5278	-156.033	766.333	-73.353	78.713	492.934	-45184.6
45278_5278	45278	5278	-3319.16	452.711	34.03	14.127	-237.81	16255.7
45278_5279	45278	5279	3319.157	-416.09	-34.03	-14.127	-85.164	-12132.9

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45279_5279	45279	5279	-3319.04	416.09	43.944	55.018	85.164	12445.43
45279_5280	45279	5280	3319.041	-392.462	-43.944	-55.018	-372.261	-9804.19
45280_5280	45280	5280	-3320.66	319.649	-57.011	-8.104	372.261	9805.251
45280_5281	45280	5281	3320.655	-277.471	57.011	8.104	292.645	-6323.22
45281_5281	45281	5281	-3320.79	277.471	-48.329	8.428	-292.645	6323.221
45281_5282	45281	5282	3320.792	-232.592	48.329	-8.428	892.377	-3158.43
45282_5282	45282	5282	-3320.34	181.164	6.608	-1.235	-892.377	3102.79
45282_5283	45282	5283	3320.335	-142.723	-6.608	1.235	810.513	-1096.52
45283_5283	45283	5283	-3320.3	142.723	16.928	2.173	-810.513	1096.517
45283_5284	45283	5284	3320.298	-106.47	-16.928	-2.173	612.726	359.26
45284_5284	45284	5284	-3320.46	-9.025	13.519	1.076	-612.726	-359.31
45284_5285	45284	5285	3320.464	44.011	-13.519	-1.076	460.294	60.311
45285_5285	45285	5285	-3320.42	-44.011	21.448	0.932	-460.294	-60.314
45285_5286	45285	5286	3320.423	75.254	-21.448	-0.932	244.336	-540.121
45286_5286	45286	5286	-3320.39	-158.353	39.181	-2.339	-244.336	540.211
45286_5287	45286	5287	3320.393	193.757	-39.181	2.339	-202.725	-2549.03
45287_5287	45287	5287	-3320.24	-193.757	50.624	6.446	202.725	2549.023
45287_5288	45287	5288	3320.238	229.343	-50.624	-6.446	-783.325	-4975.27
45288_5288	45288	5288	-3321.73	-231.859	-33.239	-24.609	783.325	4976.036
45288_5289	45288	5289	3321.727	244.266	33.239	24.609	-650.409	-5928
45289_5289	45289	5289	-3321.77	-244.266	-28.526	-13.869	650.409	5622.193
45289_5290	45289	5290	3321.771	276.044	28.526	13.869	-379.416	-8093.64
45290_5290	45290	5290	144.401	990.133	-25.537	18.225	64.679	33472.69
45290_5291	45290	5291	-140.062	-950.417	25.537	-18.225	202.031	-23339.5
45291_5291	45291	5291	107.249	863.803	4.519	-27.717	-197.259	23341.55
45291_5292	45291	5292	-103.998	-824.12	-4.519	27.717	148.226	-14181.6
45292_5292	45292	5292	82.16	826.599	4.384	29.594	-152.011	14181.58
45292_5293	45292	5293	-80.245	-792.05	-4.384	-29.594	109.379	-6309.39
45293_5293	45293	5293	60.162	703.164	3.295	0.113	-107.541	6310.244
45293_5294	45293	5294	-59.292	-677.671	-3.295	-0.113	83.495	-1272.64
45294_5294	45294	5294	45.346	678.761	3.207	5.329	-83.569	1267.442
45294_5295	45294	5295	-45.027	-655.457	-3.207	-5.329	59.084	3825.632
45295_5295	45295	5295	36.243	656.015	3.119	-3.278	-59.009	-3825.64
45295_5296	45295	5296	-36.232	-631.037	-3.119	3.278	33.429	9103.24
45296_5296	45296	5296	35.946	554.535	2.443	26.96	-33.43	-9087.22
45296_5297	45296	5297	-35.946	-541.951	-2.443	-26.96	23.295	11361.76
45297_5297	45297	5297	35.949	541.951	2.401	13.91	-23.295	-11363.1
45297_5298	45297	5298	-35.949	-509.665	-2.401	-13.91	1.055	16233.59
45298_5298	45298	5298	35.955	509.665	2.315	-24.715	-1.055	-16233.6
45298_5299	45298	5299	-35.955	-477.718	-2.315	24.715	-20.167	20758.44
45299_5299	45299	5299	35.938	402.149	0.086	55.001	20.167	-20760.1
45299_5300	45299	5300	-35.938	-361.487	-0.086	-55.001	-21.174	25214.31
45300_5300	45300	5300	35.938	361.487	-0.053	-42.772	21.174	-25214.3
45300_5301	45300	5301	-35.938	-318.284	0.053	42.772	-20.516	29427.23
45301_5301	45301	5301	35.943	238.603	0.158	64.337	20.516	-29429.6
45301_5302	45301	5302	-35.943	-195.005	-0.158	-64.337	-22.498	32141.49
45302_5302	45302	5302	35.943	195.005	0.02	-59.194	22.498	-32141.5
45302_5303	45302	5303	-35.943	-154.773	-0.02	59.194	-22.732	34160.18
45303_5303	45303	5303	35.967	76.901	1.933	74.525	22.732	-34162.6
45303_5304	45303	5304	-35.967	-31.546	-1.933	-74.525	-47.879	34868.2
45304_5304	45304	5304	35.975	31.546	1.776	-76.831	47.879	-34868.2
45304_5305	45304	5305	-35.975	6.96	-1.776	76.831	-67.505	35004
45305_5305	45305	5305	35.96	-84.627	0.065	59.16	67.505	-35006.6

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45305_5306	45305	5306	-35.96	126.65	-0.065	-59.16	-68.287	33732.93
45306_5306	45306	5306	35.96	-126.65	-0.052	-50.526	68.287	-33732.9
45306_5307	45306	5307	-35.96	168.42	0.052	50.526	-67.663	31964.9
45307_5307	45307	5307	35.983	-247.507	1.739	60.947	67.663	-31967.2
45307_5308	45307	5308	-35.983	288.923	-1.739	-60.947	-88.327	28780.14
45308_5308	45308	5308	35.989	-288.923	1.597	-52.996	88.327	-28780.2
45308_5309	45308	5309	-35.989	331.356	-1.597	52.996	-107.762	25004.53
45309_5309	45309	5309	36.026	-399.619	4.651	39.151	107.762	-25006
45309_5310	45309	5310	-36.026	441.613	-4.651	-39.151	-163.801	19938.32
45310_5310	45310	5310	36.043	-441.613	4.518	-34.75	163.801	-19938.3
45310_5311	45310	5311	-36.043	483.433	-4.518	34.75	-218.004	14388.89
45311_5311	45311	5311	35.925	-580.507	-9.226	14.874	218.004	-14389.7
45311_5312	45311	5312	-35.925	624.428	9.226	-14.874	-101.753	6798.139
45312_5312	45312	5312	35.881	-624.428	-9.395	-17.094	101.753	-6798.13
45312_5313	45312	5313	-35.881	662.18	9.395	17.094	0	-169.509
46000_6000	46000	6000	-0.536	12.016	-4.451	-0.928	0	0.222
46000_6001	46000	6001	0.536	6.766	4.451	0.928	51.721	30.284
46001_6001	46001	6001	-0.53	-6.766	-4.451	-0.892	-51.721	-30.285
46001_6002	46001	6002	0.53	22.338	4.451	0.892	94.61	-109.929
46002_6002	46002	6002	-0.482	21.2	4.523	-1.522	-94.61	110.043
46002_6003	46002	6003	0.482	-1.602	-4.523	1.522	39.759	28.207
46003_6003	46003	6003	-0.486	1.602	4.523	-1.499	-39.759	-28.208
46003_6004	46003	6004	0.486	17.998	-4.523	1.499	-15.093	-71.207
46004_6004	46004	6004	-0.502	20.001	-1.036	-0.705	15.093	71.21
46004_6005	46004	6005	0.502	-0.398	1.036	0.705	-2.525	52.501
46005_6005	46005	6005	-0.502	0.398	-1.036	-0.699	2.525	-52.501
46005_6006	46005	6006	0.502	19.19	1.036	0.699	10.032	-61.374
46006_6006	46006	6006	-0.498	19.856	0.261	-0.425	-10.032	61.531
46006_6007	46006	6007	0.498	-0.253	-0.261	0.425	6.868	60.427
46007_6007	46007	6007	-0.498	0.253	0.261	-0.425	-6.868	-60.427
46007_6008	46007	6008	0.498	19.35	-0.261	0.425	3.704	-55.392
46008_6008	46008	6008	-0.501	19.471	-0.04	0.043	-3.704	55.085
46008_6009	46008	6009	0.501	0.12	0.04	-0.043	4.186	62.2
46009_6009	46009	6009	-0.501	-0.12	-0.039	-0.007	-4.186	-62.2
46009_6010	46009	6010	0.501	19.709	0.039	0.007	4.663	-57.972
46010_6010	46010	6010	-0.503	19.184	0.133	0.458	-4.663	58.207
46010_6011	46010	6011	0.503	0.423	-0.133	-0.458	3.049	55.593
46011_6011	46011	6011	-0.503	-0.423	0.133	0.463	-3.049	-55.593
46011_6012	46011	6012	0.503	20.014	-0.133	-0.463	1.438	-68.278
46012_6012	46012	6012	-0.499	18.927	0.572	0.702	-1.438	68.307
46012_6013	46012	6013	0.499	0.669	-0.572	-0.702	-5.495	42.378
46013_6013	46013	6013	-0.499	-0.669	0.572	0.702	5.495	-42.378
46013_6014	46013	6014	0.499	20.264	-0.572	-0.702	-12.429	-84.525
46014_6014	46014	6014	-0.502	17.803	-0.018	0.909	12.429	84.683
46014_6015	46014	6015	0.502	8.059	0.018	-0.909	-12.146	-6.715
46015_6015	46015	6015	-0.502	-8.059	-0.017	0.913	12.146	6.717
46015_6016	46015	6016	0.502	21.388	0.017	-0.913	-12.002	-128.142
46016_6016	46016	6016	-0.501	19.567	0.356	0.643	12.002	129.063
46016_6017	46016	6017	0.501	-0.842	-0.356	-0.643	-16.184	-9.1
46017_6017	46017	6017	-0.501	0.842	0.356	0.643	16.184	9.1
46017_6018	46017	6018	0.501	20.271	-0.356	-0.643	-20.899	-137.866
46018_6018	46018	6018	-0.495	19.709	-1.49	0.363	20.899	137.803
46018_6019	46018	6019	0.495	0.185	1.49	-0.363	-2.292	-15.877

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46019_6019	46019	6019	-0.495	-0.185	-1.49	0.364	2.292	15.877
46019_6020	46019	6020	0.495	20.096	1.49	-0.364	16.329	-142.631
46020_6020	46020	6020	-0.564	20.823	1.144	0.226	-16.329	142.623
46020_6021	46020	6021	0.564	-5.681	-1.144	-0.226	5.456	-16.648
46021_6021	46021	6021	-0.562	5.681	1.145	0.248	-5.456	16.648
46021_6022	46021	6022	0.562	6.655	-1.145	-0.248	-3.408	-20.418
46022_6022	46022	6022	-0.564	-6.655	1.144	0.225	3.408	20.418
46022_6023	46022	6023	0.564	19.009	-1.144	-0.225	-12.279	-119.936
46023_6023	46023	6023	-0.556	19.482	-0.424	0.075	12.279	119.803
46023_6024	46023	6024	0.556	-6.745	0.424	-0.075	-8.89	-14.941
46024_6024	46024	6024	-0.556	6.745	-0.425	0.057	8.89	14.941
46024_6025	46024	6025	0.556	5.994	0.425	-0.057	-5.495	-11.937
46025_6025	46025	6025	-0.556	-5.994	-0.424	0.073	5.495	11.937
46025_6026	46025	6026	0.556	18.747	0.424	-0.073	-2.102	-110.978
46026_6026	46026	6026	-0.561	18.949	-0.259	-0.071	2.102	110.877
46026_6027	46026	6027	0.561	-9.404	0.259	0.071	-0.548	-25.931
46027_6027	46027	6027	-0.561	9.404	-0.259	-0.066	0.548	25.931
46027_6028	46027	6028	0.561	0.157	0.259	0.066	1.009	1.82
46028_6028	46028	6028	-0.561	-0.157	-0.259	-0.066	-1.009	-1.82
46028_6029	46028	6029	0.561	9.717	0.259	0.066	2.565	-27.813
46029_6029	46029	6029	-0.562	-9.717	-0.258	-0.02	-2.565	27.813
46029_6030	46029	6030	0.562	19.276	0.258	0.02	4.116	-114.809
46030_6030	46030	6030	-0.56	18.335	0.07	-0.146	-4.116	114.785
46030_6031	46030	6031	0.56	-5.587	-0.07	0.146	3.553	-19.056
46031_6031	46031	6031	-0.56	5.587	0.071	-0.125	-3.553	19.056
46031_6032	46031	6032	0.56	7.143	-0.071	0.125	2.986	-25.273
46032_6032	46032	6032	-0.56	-7.143	0.07	-0.153	-2.986	25.273
46032_6033	46032	6033	0.56	19.891	-0.07	0.153	2.423	-133.451
46033_6033	46033	6033	-0.565	18.927	-0.467	-0.282	-2.423	133.459
46033_6034	46033	6034	0.565	-6.586	0.467	0.282	6.039	-34.629
46034_6034	46034	6034	-0.565	6.586	-0.467	-0.277	-6.039	34.629
46034_6035	46034	6035	0.565	5.77	0.467	0.277	9.66	-31.463
46035_6035	46035	6035	-0.565	-5.77	-0.467	-0.279	-9.66	31.463
46035_6036	46035	6036	0.565	20.879	0.467	0.279	14.088	-157.857
46036_6036	46036	6036	-0.505	20.683	0.772	-0.399	-14.088	157.803
46036_6037	46036	6037	0.505	-0.757	-0.772	0.399	4.432	-23.699
46037_6037	46037	6037	-0.505	0.757	0.771	-0.42	-4.432	23.699
46037_6038	46037	6038	0.505	19.155	-0.771	0.42	-5.212	-138.692
46038_6038	46038	6038	-0.516	14.91	-0.193	-0.727	5.212	138.709
46038_6039	46038	6039	0.516	6.191	0.193	0.727	-2.652	-80.96
46039_6039	46039	6039	-0.516	-6.191	-0.194	-0.562	2.652	80.222
46039_6040	46039	6040	0.516	24.557	0.194	0.562	-0.377	-260.894
46040_6040	46040	6040	-0.524	18.745	-0.917	-1.493	0.377	260.999
46040_6041	46040	6041	0.524	-5.857	0.917	1.493	7.185	-159.566
46041_6041	46041	6041	-0.525	5.857	-0.916	-1.344	-7.185	159.568
46041_6042	46041	6042	0.525	18.487	0.916	1.344	21.46	-257.936
46042_6042	46042	6042	-0.521	20.761	0.301	-0.748	-21.46	257.959
46042_6043	46042	6043	0.521	-2.137	-0.301	0.748	17.878	-121.532
46043_6043	46043	6043	-0.521	2.137	0.3	-0.859	-17.878	121.531
46043_6044	46043	6044	0.521	16.473	-0.3	0.859	14.305	-206.88
46044_6044	46044	6044	-0.523	19.736	-0.098	-0.052	-14.305	206.963
46044_6045	46044	6045	0.523	-1.112	0.098	0.052	15.467	-82.745
46045_6045	46045	6045	-0.523	1.112	-0.098	-0.052	-15.467	82.745

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46045_6046	46045	6046	0.523	17.511	0.098	0.052	16.629	-180.454
46046_6046	46046	6046	-0.523	19.386	0.032	0.689	-16.629	180.453
46046_6047	46046	6047	0.523	-0.755	-0.032	-0.689	16.246	-60.403
46047_6047	46047	6047	-0.523	0.755	0.032	0.685	-16.246	60.403
46047_6048	46047	6048	0.523	17.861	-0.032	-0.685	15.865	-162.281
46048_6048	46048	6048	-0.521	18.968	0.322	1.295	-15.865	162.187
46048_6049	46048	6049	0.521	-0.351	-0.322	-1.295	12.024	-47.126
46049_6049	46049	6049	-0.521	0.351	0.323	1.338	-12.024	47.125
46049_6050	46049	6050	0.521	18.28	-0.323	-1.338	8.176	-153.996
46050_6050	46050	6050	-0.517	18.021	0.395	1.612	-8.176	153.812
46050_6051	46050	6051	0.517	6.294	-0.395	-1.612	2.026	-62.587
46051_6051	46051	6051	-0.517	-6.294	0.395	1.593	-2.026	62.59
46051_6052	46051	6052	0.517	19.196	-0.395	-1.593	-1.235	-167.809
46052_6052	46052	6052	-0.515	20.436	-0.139	1.23	1.235	167.7
46052_6053	46052	6053	0.515	-2.079	0.139	-1.23	0.395	-35.467
46053_6053	46053	6053	-0.515	2.079	-0.139	1.215	-0.395	35.48
46053_6054	46053	6054	0.515	17.992	0.139	-1.215	2.236	-140.91
46054_6054	46054	6054	-0.515	18.556	-1.525	0.896	-2.236	140.889
46054_6055	46054	6055	0.515	0.382	1.525	-0.896	21.306	-27.271
46055_6055	46055	6055	-0.514	-0.382	-1.526	0.873	-21.306	27.272
46055_6056	46055	6056	0.514	19.306	1.526	-0.873	40.368	-150.262
46056_6056	46056	6056	-0.545	19.867	1.017	0.786	-40.368	150.269
46056_6057	46056	6057	0.545	-5.468	-1.017	-0.786	30.698	-29.854
46057_6057	46057	6057	-0.545	5.468	1.017	0.791	-30.698	29.854
46057_6058	46057	6058	0.545	6.272	-1.017	-0.791	22.812	-32.967
46058_6058	46058	6058	-0.545	-6.272	1.017	0.788	-22.812	32.967
46058_6059	46058	6059	0.545	17.997	-1.017	-0.788	14.938	-126.899
46059_6059	46059	6059	-0.544	18.968	0.902	0.577	-14.938	126.994
46059_6060	46059	6060	0.544	-6.837	-0.902	-0.577	7.713	-23.659
46060_6060	46060	6060	-0.543	6.837	0.903	0.604	-7.713	23.659
46060_6061	46060	6061	0.543	5.278	-0.903	-0.604	0.493	-17.422
46061_6061	46061	6061	-0.544	-5.278	0.902	0.582	-0.493	17.423
46061_6062	46061	6062	0.544	17.393	-0.902	-0.582	-6.722	-108.094
46062_6062	46062	6062	-0.546	18.361	0.662	0.495	6.722	108.037
46062_6063	46062	6063	0.546	-9.282	-0.662	-0.495	-10.691	-25.192
46063_6063	46063	6063	-0.546	9.282	0.662	0.498	10.691	25.192
46063_6064	46063	6064	0.546	-0.188	-0.662	-0.498	-14.667	3.234
46064_6064	46064	6064	-0.546	0.188	0.662	0.498	14.667	-3.234
46064_6065	46064	6065	0.546	8.907	-0.662	-0.498	-18.643	-22.94
46065_6065	46065	6065	-0.546	-8.907	0.662	0.496	18.643	22.94
46065_6066	46065	6066	0.546	17.985	-0.662	-0.496	-22.613	-103.536
46066_6066	46066	6066	-0.54	18.052	0.837	0.313	22.613	103.64
46066_6067	46066	6067	0.54	-5.925	-0.837	-0.313	-29.31	-7.656
46067_6067	46067	6067	-0.54	5.925	0.837	0.312	29.31	7.656
46067_6068	46067	6068	0.54	6.186	-0.837	-0.312	-35.999	-8.7
46068_6068	46068	6068	-0.54	-6.186	0.837	0.312	35.999	8.7
46068_6069	46068	6069	0.54	18.298	-0.837	-0.312	-42.688	-106.593
46069_6069	46069	6069	-0.559	17.758	-1.328	0.111	42.688	106.752
46069_6070	46069	6070	0.559	-6.011	1.328	-0.111	-32.387	-14.579
46070_6070	46070	6070	-0.559	6.011	-1.328	0.11	32.387	14.579
46070_6071	46070	6071	0.559	5.721	1.328	-0.11	-22.098	-13.453
46071_6071	46071	6071	-0.557	-5.721	-1.329	0.094	22.098	13.454
46071_6072	46071	6072	0.557	20.109	1.329	-0.094	-9.473	-136.141

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46072_6072	46072	6072	-0.531	20.083	1.096	-0.044	9.473	136.148
46072_6073	46072	6073	0.531	-1.148	-1.096	0.044	-23.178	-3.437
46073_6073	46073	6073	-0.531	1.148	1.096	-0.044	23.178	3.437
46073_6074	46073	6074	0.531	17.787	-1.096	0.044	-36.882	-107.444
46074_6074	46074	6074	-0.547	15.32	-0.324	-0.511	36.882	107.509
46074_6075	46074	6075	0.547	4.753	0.324	0.511	-32.594	-37.495
46075_6075	46075	6075	-0.546	-4.753	-0.324	-0.203	32.594	37.445
46075_6076	46075	6076	0.546	22.161	0.324	0.203	-28.788	-195.571
46076_6076	46076	6076	-0.561	17.721	-0.852	-1.051	28.788	195.453
46076_6077	46076	6077	0.561	-5.496	0.852	1.051	-21.76	-99.662
46077_6077	46077	6077	-0.56	5.496	-0.852	-1.103	21.76	99.663
46077_6078	46077	6078	0.56	15.423	0.852	1.103	-9.729	-169.747
46078_6078	46078	6078	-0.556	17.74	-0.022	-0.892	9.729	169.648
46078_6079	46078	6079	0.556	-1.154	0.022	0.892	-9.479	-63.877
46079_6079	46079	6079	-0.556	1.154	-0.022	-0.889	9.479	63.877
46079_6080	46079	6080	0.556	15.448	0.022	0.889	-9.229	-143.966
46080_6080	46080	6080	-0.558	16.843	-0.318	-0.51	9.229	143.98
46080_6081	46080	6081	0.558	-0.245	0.318	0.51	-5.663	-48.255
46081_6081	46081	6081	-0.558	0.245	-0.318	-0.513	5.663	48.255
46081_6082	46081	6082	0.558	16.337	0.318	0.513	-2.101	-138.318
46082_6082	46082	6082	-0.557	18.12	-0.057	-0.008	2.101	138.577
46082_6083	46082	6083	0.557	-0.276	0.057	0.008	-1.412	-27.793
46083_6083	46083	6083	-0.557	0.276	-0.057	-0.009	1.412	27.793
46083_6084	46083	6084	0.557	17.552	0.057	0.009	-0.724	-131.748
46084_6084	46084	6084	-0.558	16.774	-0.176	0.495	0.724	131.757
46084_6085	46084	6085	0.558	-0.18	0.176	-0.495	1.249	-36.807
46085_6085	46085	6085	-0.558	0.18	-0.176	0.495	-1.249	36.807
46085_6086	46085	6086	0.558	16.414	0.176	-0.495	3.222	-127.731
46086_6086	46086	6086	-0.556	16.346	0.19	0.903	-3.222	127.583
46086_6087	46086	6087	0.556	0.247	-0.19	-0.903	1.09	-37.424
46087_6087	46087	6087	-0.556	-0.247	0.19	0.869	-1.09	37.425
46087_6088	46087	6088	0.556	16.842	-0.19	-0.869	-1.036	-133.133
46088_6088	46088	6088	-0.555	14.643	0.228	1.044	1.036	133.13
46088_6089	46088	6089	0.555	5.476	-0.228	-1.044	-4.13	-70.883
46089_6089	46089	6089	-0.555	-5.476	0.228	1.03	4.13	70.885
46089_6090	46089	6090	0.555	17.708	-0.228	-1.03	-6.01	-166.597
46090_6090	46090	6090	-0.554	18.564	-0.096	0.789	6.01	166.469
46090_6091	46090	6091	0.554	-1.158	0.096	-0.789	-4.885	-50.616
46091_6091	46091	6091	-0.554	1.158	-0.096	0.757	4.885	50.636
46091_6092	46091	6092	0.554	18.178	0.096	-0.757	-3.61	-163.403
46092_6092	46092	6092	-0.559	18.182	-1.316	0.398	3.61	163.244
46092_6093	46092	6093	0.559	0.056	1.316	-0.398	12.843	-49.978
46093_6093	46093	6093	-0.56	-0.056	-1.316	0.438	-12.843	49.977
46093_6094	46093	6094	0.56	18.293	1.316	-0.438	29.29	-164.633
46094_6094	46094	6094	-0.576	19.072	1.077	0.307	-29.29	164.638
46094_6095	46094	6095	0.576	-5.201	-1.077	-0.307	19.051	-49.273
46095_6095	46095	6095	-0.576	5.201	1.077	0.305	-19.051	49.276
46095_6096	46095	6096	0.576	6.101	-1.077	-0.305	10.709	-52.763
46096_6096	46096	6096	-0.576	-6.101	1.077	0.308	-10.709	52.763
46096_6097	46096	6097	0.576	17.417	-1.077	-0.308	2.357	-143.951
46097_6097	46097	6097	-0.569	18.068	0.059	0.115	-2.357	143.847
46097_6098	46097	6098	0.569	-6.403	-0.059	-0.115	1.885	-46.038
46098_6098	46098	6098	-0.569	6.403	0.06	0.175	-1.885	46.037

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46098_6099	46098	6099	0.569	5.277	-0.06	-0.175	1.407	-41.53
46099_6099	46099	6099	-0.569	-5.277	0.059	0.121	-1.407	41.53
46099_6100	46099	6100	0.569	16.942	-0.059	-0.121	0.935	-130.336
46100_6100	46100	6100	-0.555	17.57	0.155	-0.038	-0.935	130.455
46100_6101	46100	6101	0.555	-8.81	-0.155	0.038	0.002	-51.274
46101_6101	46101	6101	-0.555	8.81	0.156	0.047	-0.002	51.274
46101_6102	46101	6102	0.555	-0.051	-0.156	-0.047	-0.935	-24.679
46102_6102	46102	6102	-0.555	0.051	0.155	0.006	0.935	24.679
46102_6103	46102	6103	0.555	8.709	-0.155	-0.006	-1.867	-50.667
46103_6103	46103	6103	-0.555	-8.709	0.156	0.088	1.867	50.667
46103_6104	46103	6104	0.555	17.454	-0.156	-0.088	-2.803	-129.062
46104_6104	46104	6104	-0.554	17.196	0.325	-0.113	2.803	129.066
46104_6105	46104	6105	0.554	-5.516	-0.325	0.113	-5.408	-38.176
46105_6105	46105	6105	-0.553	5.516	0.326	-0.066	5.408	38.176
46105_6106	46105	6106	0.553	6.163	-0.326	0.066	-8.019	-40.762
46106_6106	46106	6106	-0.553	-6.163	0.326	-0.067	8.019	40.762
46106_6107	46106	6107	0.553	17.827	-0.326	0.067	-10.625	-136.639
46107_6107	46107	6107	-0.558	17.221	-0.846	-0.277	10.625	136.663
46107_6108	46107	6108	0.558	-5.906	0.846	0.277	-4.066	-47.006
46108_6108	46108	6108	-0.558	5.906	-0.846	-0.277	4.066	47.006
46108_6109	46108	6109	0.558	5.408	0.846	0.277	2.494	-45.073
46109_6109	46109	6109	-0.559	-5.408	-0.845	-0.22	-2.494	45.072
46109_6110	46109	6110	0.559	19.262	0.845	0.22	10.52	-162.178
46110_6110	46110	6110	-0.548	19.035	1.069	-0.402	-10.52	162.185
46110_6111	46110	6111	0.548	-0.789	-1.069	0.402	-2.847	-38.247
46111_6111	46111	6111	-0.547	0.789	1.069	-0.371	2.847	38.247
46111_6112	46111	6112	0.547	17.457	-1.069	0.371	-16.218	-142.455
46112_6112	46112	6112	-0.567	14.388	-0.517	-0.759	16.218	142.359
46112_6113	46112	6113	0.567	4.939	0.517	0.759	-9.368	-79.788
46113_6113	46113	6113	-0.568	-4.939	-0.517	-0.578	9.368	79.777
46113_6114	46113	6114	0.568	22.051	0.517	0.578	-3.292	-238.387
46114_6114	46114	6114	-0.57	16.96	-0.559	-1.201	3.292	238.414
46114_6115	46114	6115	0.57	-4.946	0.559	1.201	1.324	-148.037
46115_6115	46115	6115	-0.57	4.946	-0.56	-1.27	-1.324	148.036
46115_6116	46115	6116	0.57	15.587	0.56	1.27	9.216	-223.074
46116_6116	46116	6116	-0.57	18.152	0.191	-0.852	-9.216	223.087
46116_6117	46116	6117	0.57	-1.843	-0.191	0.852	7.081	-111.096
46117_6117	46117	6117	-0.571	1.843	0.19	-0.951	-7.081	111.095
46117_6118	46117	6118	0.571	14.467	-0.19	0.951	4.952	-181.807
46118_6118	46118	6118	-0.57	17.007	-0.117	-0.395	-4.952	181.636
46118_6119	46118	6119	0.57	-0.698	0.117	0.395	6.264	-82.478
46119_6119	46119	6119	-0.57	0.698	-0.118	-0.469	-6.264	82.478
46119_6120	46119	6120	0.57	15.596	0.118	0.469	7.582	-165.84
46120_6120	46120	6120	-0.571	18.261	-0.01	0.234	-7.582	166.049
46120_6121	46120	6121	0.571	-0.729	0.01	-0.234	7.702	-51.719
46121_6121	46121	6121	-0.571	0.729	-0.01	0.19	-7.702	51.719
46121_6122	46121	6122	0.571	16.788	0.01	-0.19	7.828	-148.325
46122_6122	46122	6122	-0.571	16.848	0.037	0.864	-7.828	148.323
46122_6123	46122	6123	0.571	-0.541	-0.037	-0.864	7.416	-50.941
46123_6123	46123	6123	-0.571	0.541	0.036	0.819	-7.416	50.942
46123_6124	46123	6124	0.571	15.767	-0.036	-0.819	7.009	-136.216
46124_6124	46124	6124	-0.571	16.425	0.361	1.328	-7.009	136.222
46124_6125	46124	6125	0.571	-0.117	-0.361	-1.328	2.97	-43.58

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46125_6125	46125	6125	-0.571	0.117	0.361	1.328	-2.97	43.58
46125_6126	46125	6126	0.571	16.19	-0.361	-1.328	-1.069	-133.592
46126_6126	46126	6126	-0.568	14.51	0.684	1.461	1.069	133.586
46126_6127	46126	6127	0.568	5.291	-0.684	-1.461	-10.377	-70.893
46127_6127	46127	6127	-0.569	-5.291	0.684	1.396	10.377	70.894
46127_6128	46127	6128	0.569	17.303	-0.684	-1.396	-16.019	-164.096
46128_6128	46128	6128	-0.569	18.45	-0.417	1.087	16.019	163.945
46128_6129	46128	6129	0.569	-1.342	0.417	-1.087	-11.113	-47.662
46129_6129	46129	6129	-0.57	1.342	-0.417	1.206	11.113	47.686
46129_6130	46129	6130	0.57	17.956	0.417	-1.206	-5.592	-157.754
46130_6130	46130	6130	-0.574	17.431	-0.446	0.534	5.592	157.597
46130_6131	46130	6131	0.574	0.775	0.446	-0.534	-0.016	-53.499
46131_6131	46131	6131	-0.574	-0.775	-0.446	0.534	0.016	53.499
46131_6132	46131	6132	0.574	18.981	0.446	-0.534	5.559	-176.975
46132_6132	46132	6132	-3.138	18.387	-0.093	0.607	-5.559	153.385
46132_6133	46132	6133	3.138	-4.55	0.093	-0.607	6.441	-44.434
46133_6133	46133	6133	-3.138	4.55	-0.09	0.644	-6.441	44.433
46133_6134	46133	6134	3.138	6.737	0.09	-0.644	7.14	-52.908
46134_6134	46134	6134	-3.138	-6.737	-0.094	0.575	-7.14	52.909
46134_6135	46134	6135	3.138	18.025	0.094	-0.575	7.87	-148.863
46135_6135	46135	6135	-3.116	18.386	0.675	0.242	-7.87	149.05
46135_6136	46135	6136	3.116	-6.734	-0.675	-0.242	2.472	-48.565
46136_6136	46136	6136	-3.115	6.734	0.679	0.302	-2.472	48.565
46136_6137	46136	6137	3.115	4.918	-0.679	-0.302	-2.956	-41.301
46137_6137	46137	6137	-3.116	-4.918	0.675	0.251	2.956	41.302
46137_6138	46137	6138	3.116	16.57	-0.675	-0.251	-8.354	-127.259
46138_6138	46138	6138	-3.113	17.442	-0.073	0.228	8.354	127.157
46138_6139	46138	6139	3.113	-8.703	0.073	-0.228	-7.918	-48.718
46139_6139	46139	6139	-3.113	8.703	-0.067	0.309	7.918	48.718
46139_6140	46139	6140	3.113	0.036	0.067	-0.309	-7.513	-22.715
46140_6140	46140	6140	-3.113	-0.036	-0.073	0.271	7.513	22.716
46140_6141	46140	6141	3.113	8.775	0.073	-0.271	-7.077	-49.149
46141_6141	46141	6141	-3.113	-8.775	-0.073	0.271	7.077	49.149
46141_6142	46141	6142	3.113	17.514	0.073	-0.271	-6.641	-128.019
46142_6142	46142	6142	-3.114	17.068	0.236	0.108	6.641	127.928
46142_6143	46142	6143	3.114	-5.416	-0.236	-0.108	-8.532	-37.989
46143_6143	46143	6143	-3.114	5.416	0.24	0.155	8.532	37.988
46143_6144	46143	6144	3.114	6.236	-0.24	-0.155	-10.453	-41.269
46144_6144	46144	6144	-3.114	-6.236	0.236	0.104	10.453	41.269
46144_6145	46144	6145	3.114	17.888	-0.236	-0.104	-12.344	-137.771
46145_6145	46145	6145	-3.108	17.057	-1.11	0.004	12.344	137.656
46145_6146	46145	6146	3.108	-5.769	1.11	-0.004	-3.742	-49.205
46146_6146	46146	6146	-3.107	5.769	-1.114	-0.06	3.742	49.205
46146_6147	46146	6147	3.107	5.519	1.114	0.06	4.892	-48.238
46147_6147	46147	6147	-3.109	-5.519	-1.109	0.027	-4.892	48.234
46147_6148	46147	6148	3.109	19.356	1.109	-0.027	15.425	-166.396
46148_6148	46148	6148	-3.111	19.315	1.272	-0.135	-15.425	166.305
46148_6149	46148	6149	3.111	-1.109	-1.272	0.135	-0.475	-38.65
46149_6149	46149	6149	-3.11	1.109	1.274	-0.104	0.475	38.65
46149_6150	46149	6150	3.11	17.098	-1.274	0.104	-16.406	-138.584
46150_6150	46150	6150	-3.107	13.812	-0.311	-0.519	16.406	138.46
46150_6151	46150	6151	3.107	5.487	0.311	0.519	-12.288	-83.309
46151_6151	46151	6151	-3.107	-5.487	-0.309	-0.403	12.288	82.264

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46151_6152	46151	6152	3.107	23.338	0.309	0.403	-8.66	-251.617
46152_6152	46152	6152	-3.106	17.142	-0.556	-1.009	8.66	251.478
46152_6153	46152	6153	3.106	-4.623	0.556	1.009	-4.075	-161.804
46153_6153	46153	6153	-3.106	4.623	-0.555	-0.926	4.075	161.797
46153_6154	46153	6154	3.106	16.266	0.555	0.926	3.555	-241.845
46154_6154	46154	6154	-3.109	18.725	-0.219	-0.678	-3.555	241.847
46154_6155	46154	6155	3.109	-2.013	0.219	0.678	5.962	-127.786
46155_6155	46155	6155	-3.109	2.013	-0.219	-0.678	-5.962	127.786
46155_6156	46155	6156	3.109	14.698	0.219	0.678	8.369	-197.557
46156_6156	46156	6156	-3.109	16.551	-0.112	-0.145	-8.369	197.561
46156_6157	46156	6157	3.109	-1.358	0.112	0.145	9.494	-108.012
46157_6157	46157	6157	-3.109	1.358	-0.116	-0.252	-9.494	108.012
46157_6158	46157	6158	3.109	13.849	0.116	0.252	10.651	-170.53
46158_6158	46158	6158	-3.11	15.259	0.119	0.296	-10.651	170.392
46158_6159	46158	6159	3.11	-0.067	-0.119	-0.296	9.464	-93.76
46159_6159	46159	6159	-3.11	0.067	0.119	0.296	-9.464	93.76
46159_6160	46159	6160	3.11	15.14	-0.119	-0.296	8.276	-169.206
46160_6160	46160	6160	-3.112	16.731	0.336	0.735	-8.276	169.21
46160_6161	46160	6161	3.112	-0.019	-0.336	-0.735	4.579	-77.081
46161_6161	46161	6161	-3.112	0.019	0.336	0.735	-4.579	77.081
46161_6162	46161	6162	3.112	16.692	-0.336	-0.735	0.882	-168.784
46162_6162	46162	6162	-3.111	15.553	0.228	1.022	-0.882	168.786
46162_6163	46162	6163	3.111	5.321	-0.228	-1.022	-2.246	-98.493
46163_6163	46163	6163	-3.111	-5.321	0.226	0.974	2.246	98.485
46163_6164	46163	6164	3.111	17.855	-0.226	-0.974	-4.112	-194.09
46164_6164	46164	6164	-3.114	19.463	0.562	0.661	4.112	194.197
46164_6165	46164	6165	3.114	-1.612	-0.562	-0.661	-10.713	-70.378
46165_6165	46165	6165	-3.113	1.612	0.565	0.718	10.713	70.72
46165_6166	46165	6166	3.113	19.054	-0.565	-0.718	-18.196	-186.277
46166_6166	46166	6166	-3.092	19.209	-1.941	0.304	18.196	186.276
46166_6167	46166	6167	3.092	0.288	1.941	-0.304	6.068	-68.015
46167_6167	46167	6167	-3.093	-0.288	-1.939	0.359	-6.068	68.015
46167_6168	46167	6168	3.093	19.784	1.939	-0.359	30.301	-193.47
46168_6168	46168	6168	-3.122	20.378	1.579	0.225	-30.301	193.47
46168_6169	46168	6169	3.122	-5.561	-1.579	-0.225	15.299	-70.258
46169_6169	46169	6169	-3.121	5.561	1.581	0.268	-15.299	70.253
46169_6170	46169	6170	3.121	6.527	-1.581	-0.268	3.043	-74
46170_6170	46170	6170	-3.121	-6.527	1.581	0.268	-3.043	74
46170_6171	46170	6171	3.121	18.615	-1.581	-0.268	-9.213	-171.429
46171_6171	46171	6171	-3.122	19.573	0.005	0.096	9.213	171.3
46171_6172	46171	6172	3.122	-7.095	-0.005	-0.096	-9.249	-64.625
46172_6172	46172	6172	-3.122	7.095	0.008	0.177	9.249	64.625
46172_6173	46172	6173	3.122	5.383	-0.008	-0.177	-9.316	-57.776
46173_6173	46173	6173	-3.122	-5.383	0.005	0.105	9.316	57.776
46173_6174	46173	6174	3.122	17.861	-0.005	-0.105	-9.352	-150.754
46174_6174	46174	6174	-3.122	18.834	0.103	0.03	9.352	150.668
46174_6175	46174	6175	3.122	-9.475	-0.103	-0.03	-9.97	-65.737
46175_6175	46175	6175	-3.122	9.475	0.103	0.03	9.97	65.737
46175_6176	46175	6176	3.122	-0.117	-0.103	-0.03	-10.588	-36.958
46176_6176	46176	6176	-3.122	0.117	0.103	0.03	10.588	36.958
46176_6177	46176	6177	3.122	9.241	-0.103	-0.03	-11.206	-64.331
46177_6177	46177	6177	-3.122	-9.241	0.103	0.03	11.206	64.331
46177_6178	46177	6178	3.122	18.6	-0.103	-0.03	-11.823	-147.856

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46178_6178	46178	6178	-3.123	18.334	0.355	-0.06	11.823	147.77
46178_6179	46178	6179	3.123	-5.856	-0.355	0.06	-14.665	-51.006
46179_6179	46179	6179	-3.124	5.856	0.351	-0.123	14.665	51.006
46179_6180	46179	6180	3.124	6.622	-0.351	0.123	-17.476	-54.067
46180_6180	46180	6180	-3.123	-6.622	0.355	-0.056	17.476	54.067
46180_6181	46180	6181	3.123	19.099	-0.355	0.056	-20.318	-156.953
46181_6181	46181	6181	-3.118	18.272	-1.72	-0.221	20.318	156.826
46181_6182	46181	6182	3.118	-6.184	1.72	0.221	-6.989	-62.057
46182_6182	46182	6182	-3.12	6.184	-1.716	-0.141	6.989	62.057
46182_6183	46182	6183	3.12	5.904	1.716	0.141	6.309	-60.972
46183_6183	46183	6183	-3.119	-5.904	-1.718	-0.174	-6.309	60.966
46183_6184	46183	6184	3.119	20.721	1.718	0.174	22.629	-187.44
46184_6184	46184	6184	-3.154	20.599	1.935	-0.239	-22.629	187.284
46184_6185	46184	6185	3.154	-1.103	-1.935	0.239	-1.559	-51.642
46185_6185	46185	6185	-3.154	1.103	1.935	-0.239	1.559	51.642
46185_6186	46185	6186	3.154	18.378	-1.935	0.239	-25.728	-159.531
46186_6186	46186	6186	-3.123	15.717	-0.483	-0.562	25.728	159.661
46186_6187	46186	6187	3.123	4.95	0.483	0.562	-19.333	-88.329
46187_6187	46187	6187	-3.123	-4.95	-0.483	-0.599	19.333	87.615
46187_6188	46187	6188	3.123	24.066	0.483	0.599	-13.655	-258.09
46188_6188	46188	6188	-3.12	19.339	-1.024	-1.219	13.655	258.222
46188_6189	46188	6189	3.12	-5.917	1.024	1.219	-5.208	-154.038
46189_6189	46189	6189	-3.118	5.917	-1.028	-1.455	5.208	154.056
46189_6190	46189	6190	3.118	16.453	1.028	1.455	8.932	-226.495
46190_6190	46190	6190	-3.122	19.474	-0.606	-1.133	-8.932	226.497
46190_6191	46190	6191	3.122	-1.578	0.606	1.133	15.597	-110.707
46191_6191	46191	6191	-3.122	1.578	-0.606	-1.133	-15.597	110.707
46191_6192	46191	6192	3.122	16.318	0.606	1.133	22.262	-191.781
46192_6192	46192	6192	-3.125	17.461	-0.214	-0.54	-22.262	191.785
46192_6193	46192	6193	3.125	-1.192	0.214	0.54	24.406	-98.52
46193_6193	46193	6193	-3.125	1.192	-0.214	-0.539	-24.406	98.52
46193_6194	46193	6194	3.125	15.094	0.214	0.539	26.552	-168.103
46194_6194	46194	6194	-3.134	16.147	0.682	0.122	-26.552	168.111
46194_6195	46194	6195	3.134	0.139	-0.682	-0.122	19.729	-87.986
46195_6195	46195	6195	-3.134	-0.139	0.682	0.122	-19.729	87.986
46195_6196	46195	6196	3.134	16.424	-0.682	-0.122	12.905	-170.884
46196_6196	46196	6196	-3.121	17.754	-0.224	0.858	-12.905	170.895
46196_6197	46196	6197	3.121	0.142	0.224	-0.858	15.372	-74.022
46197_6197	46197	6197	-3.121	-0.142	-0.224	0.858	-15.372	74.022
46197_6198	46197	6198	3.121	18.038	0.224	-0.858	17.839	-174.014
46198_6198	46198	6198	-3.126	16.501	0.075	1.175	-17.839	174.02
46198_6199	46198	6199	3.126	5.853	-0.075	-1.175	16.806	-100.859
46199_6199	46199	6199	-3.126	-5.853	0.08	1.322	-16.806	100.851
46199_6200	46199	6200	3.126	19.275	-0.08	-1.322	16.148	-204.503
46200_6200	46200	6200	-3.125	20.994	0.005	1.097	-16.148	204.505
46200_6201	46200	6201	3.125	-1.878	-0.005	-1.097	16.085	-70.126
46201_6201	46201	6201	-3.125	1.878	0.006	1.091	-16.085	70.391
46201_6202	46201	6202	3.125	20.522	-0.006	-1.091	16.006	-193.909
46202_6202	46202	6202	-3.096	20.708	-2.044	0.816	-16.006	193.904
46202_6203	46202	6203	3.096	0.423	2.044	-0.816	41.557	-67.119
46203_6203	46203	6203	-3.096	-0.423	-2.044	0.816	-41.557	67.119
46203_6204	46203	6204	3.096	21.555	2.044	-0.816	67.108	-204.486
46204_6204	46204	6204	-3.149	22.043	1.709	0.932	-67.108	204.489

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46204_6205	46204	6205	3.149	-5.983	-1.709	-0.932	50.874	-71.361
46205_6205	46205	6205	-3.148	5.983	1.711	0.969	-50.874	71.35
46205_6206	46205	6206	3.148	7.119	-1.711	-0.969	37.614	-75.751
46206_6206	46206	6206	-3.15	-7.119	1.707	0.872	-37.614	75.752
46206_6207	46206	6207	3.15	20.22	-1.707	-0.872	24.386	-181.694
46207_6207	46207	6207	-3.134	20.995	0.726	0.876	-24.386	181.69
46207_6208	46207	6208	3.134	-7.471	-0.726	-0.876	18.576	-67.823
46208_6208	46208	6208	-3.135	7.471	0.722	0.791	-18.576	67.824
46208_6209	46208	6209	3.135	6.053	-0.722	-0.791	12.799	-62.154
46209_6209	46209	6209	-3.134	-6.053	0.726	0.869	-12.799	62.153
46209_6210	46209	6210	3.134	19.578	-0.726	-0.869	6.99	-164.68
46210_6210	46210	6210	-3.137	20.384	0.836	0.778	-6.99	164.68
46210_6211	46210	6211	3.137	-10.241	-0.836	-0.778	1.975	-72.802
46211_6211	46211	6211	-3.137	10.241	0.836	0.778	-1.975	72.802
46211_6212	46211	6212	3.137	-0.098	-0.836	-0.778	-3.04	-41.784
46212_6212	46212	6212	-3.137	0.098	0.836	0.778	3.04	41.784
46212_6213	46212	6213	3.137	10.045	-0.836	-0.778	-8.055	-71.628
46213_6213	46213	6213	-3.137	-10.045	0.836	0.778	8.055	71.628
46213_6214	46213	6214	3.137	20.188	-0.836	-0.778	-13.069	-162.332
46214_6214	46214	6214	-3.135	19.966	0.861	0.75	13.069	162.326
46214_6215	46214	6215	3.135	-6.442	-0.861	-0.75	-19.956	-56.691
46215_6215	46215	6215	-3.135	6.442	0.861	0.75	19.956	56.691
46215_6216	46215	6216	3.135	7.082	-0.861	-0.75	-26.842	-59.249
46216_6216	46216	6216	-3.135	-7.082	0.861	0.75	26.842	59.249
46216_6217	46216	6217	3.135	20.606	-0.861	-0.75	-33.728	-170.002
46217_6217	46217	6217	-3.102	19.872	-1.683	0.727	33.728	170
46217_6218	46217	6218	3.102	-6.77	1.683	-0.727	-20.686	-66.76
46218_6218	46218	6218	-3.104	6.77	-1.679	0.813	20.686	66.759
46218_6219	46218	6219	3.104	6.331	1.679	-0.813	-7.675	-65.059
46219_6219	46219	6219	-3.104	-6.331	-1.678	0.825	7.675	65.056
46219_6220	46219	6220	3.104	22.374	1.678	-0.825	8.253	-201.266
46220_6220	46220	6220	-3.149	22.368	2.118	0.607	-8.253	201.277
46220_6221	46220	6221	3.149	-1.235	-2.118	-0.607	-18.23	-53.738
46221_6221	46221	6221	-3.149	1.235	2.118	0.607	18.23	53.738
46221_6222	46221	6222	3.149	19.898	-2.118	-0.607	-44.714	-170.395
46222_6222	46222	6222	-3.193	17.301	-2.347	0.647	44.714	170.381
46222_6223	46222	6223	3.193	5.101	2.347	-0.647	-13.619	-89.548
46223_6223	46223	6223	-3.192	-5.101	-2.348	1.254	13.619	88.257
46223_6224	46223	6224	3.192	25.806	2.348	-1.254	13.976	-269.858
46224_6224	46224	6224	-3.139	21.691	1.515	-0.029	-13.976	269.77
46224_6225	46224	6225	3.139	-7.167	-1.515	0.029	1.491	-150.829
46225_6225	46225	6225	-3.137	7.167	1.518	0.119	-1.491	150.815
46225_6226	46225	6226	3.137	19.626	-1.518	-0.119	-21.589	-245.546
46226_6226	46226	6226	-3.142	21.946	0.168	0.175	21.589	245.64
46226_6227	46226	6227	3.142	-1.27	-0.168	-0.175	-23.558	-109.426
46227_6227	46227	6227	-3.141	1.27	0.189	0.92	23.558	109.422
46227_6228	46227	6228	3.141	19.411	-0.189	-0.92	-25.779	-215.883
46228_6228	46228	6228	-3.147	21.018	2.296	-0.009	25.779	215.83
46228_6229	46228	6229	3.147	-0.351	-2.296	0.009	-52.714	-90.5
46229_6229	46229	6229	-3.145	0.351	2.299	0.064	52.714	90.5
46229_6230	46229	6230	3.145	20.335	-2.299	-0.064	-79.704	-207.809
46230_6230	46230	6230	-2.908	21.457	-7.598	0.687	79.704	207.729
46230_6231	46230	6231	2.908	-0.048	7.598	-0.687	12.609	-77.081

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46231_6231	46231	6231	-2.971	0.048	-7.573	1.321	-12.609	77.073
46231_6232	46231	6232	2.971	21.368	7.573	-1.321	104.664	-206.64
46232_6232	46232	6232	-3.3	21.26	12.636	-1.636	-104.664	206.689
46232_6233	46232	6233	3.3	0.815	-12.636	1.636	-53.642	-78.613
46233_6233	46233	6233	-3.304	-0.815	12.635	-1.758	53.642	78.592
46233_6234	46233	6234	3.304	20.401	-12.635	1.758	-194.092	-196.51
46234_6234	46234	6234	0.348	19.837	-17.246	1.162	194.092	198.992
46234_6235	46234	6235	-0.348	-1.891	17.246	-1.162	-18.442	-88.343
46235_6235	46235	6235	0.097	1.891	-17.249	2.173	18.442	88.25
46235_6236	46235	6236	-0.097	16.691	17.249	-2.173	152.728	-161.679
46236_6236	46236	6236	-0.969	17.059	11.091	-0.67	-152.728	161.768
46236_6237	46236	6237	0.969	0.939	-11.091	0.67	46.13	-84.304
46237_6237	46237	6237	-0.957	-0.939	11.092	-0.58	-46.13	84.305
46237_6238	46237	6238	0.957	20.59	-11.092	0.58	-70.27	-197.27
46238_6238	46238	6238	-0.117	23.425	-2.503	0.334	70.27	197.442
46238_6239	46238	6239	0.117	0.055	2.503	-0.334	-38.884	-50.929
46239_6239	46239	6239	-0.132	-0.055	-2.502	0.643	38.884	50.927
46239_6240	46239	6240	0.132	22.456	2.502	-0.643	-8.949	-185.568
46240_6240	46240	6240	-0.259	20.571	-0.298	0.142	8.949	185.477
46240_6241	46240	6241	0.259	-1.877	0.298	-0.142	-5.976	-73.43
46241_6241	46241	6241	-0.259	1.877	-0.297	0.282	5.976	73.43
46241_6242	46241	6242	0.259	16.162	0.297	-0.282	-3.112	-142.235
46242_6242	46242	6242	-0.302	17.848	0.646	0.093	3.112	142.295
46242_6243	46242	6243	0.302	1.336	-0.646	-0.093	-9.734	-57.716
46243_6243	46243	6243	-0.302	-1.336	0.646	0.098	9.734	57.716
46243_6244	46243	6244	0.302	18.904	-0.646	-0.098	-15.799	-152.656
46244_6244	46244	6244	-0.259	19.033	-0.308	0.063	15.799	152.612
46244_6245	46244	6245	0.259	-1.532	0.308	-0.063	-12.924	-56.511
46245_6245	46245	6245	-0.262	1.532	-0.305	0.55	12.924	56.509
46245_6246	46245	6246	0.262	17.714	0.305	-0.55	-9.786	-139.666
46246_6246	46246	6246	-0.336	16.1	1.944	0.105	9.786	139.667
46246_6247	46246	6247	0.336	2.714	-1.944	-0.105	-29.315	-72.425
46247_6247	46247	6247	-0.337	-2.714	1.944	0.072	29.315	72.425
46247_6248	46247	6248	0.337	20.643	-1.944	-0.072	-47.923	-184.236
46248_6248	46248	6248	-0.163	22.289	-3.155	-0.056	47.923	184.302
46248_6249	46248	6249	0.163	2.562	3.155	0.056	-6.055	-53.408
46249_6249	46249	6249	-0.21	-2.562	-3.152	0.748	6.055	53.403
46249_6250	46249	6250	0.21	23.589	3.152	-0.748	29.339	-200.223
46250_6250	46250	6250	-0.244	21.877	2.292	0.317	-29.339	200.22
46250_6251	46250	6251	0.244	0.676	-2.292	-0.317	1.735	-72.548
46251_6251	46251	6251	-0.246	-0.676	2.292	0.258	-1.735	72.548
46251_6252	46251	6252	0.246	18.61	-2.292	-0.258	-20.214	-164.906
46252_6252	46252	6252	-0.202	18.711	-0.307	0.703	20.214	164.887
46252_6253	46252	6253	0.202	2.863	0.307	-0.703	-16.673	-73.59
46253_6253	46253	6253	-0.204	-2.863	-0.306	1.056	16.673	73.586
46253_6254	46253	6254	0.204	21.772	0.306	-1.056	-13.579	-197.97
46254_6254	46254	6254	-0.212	19.136	0.289	-2.36	13.579	197.693
46254_6255	46254	6255	0.212	2.992	-0.289	2.36	-16.817	-107.313
46255_6255	46255	6255	-0.212	-2.992	0.289	-2.373	16.817	107.313
46255_6256	46255	6256	0.212	29.281	-0.289	2.373	-20.665	-321.973
46256_6256	46256	6256	-0.207	23.753	-1.541	-2.56	20.665	322.009
46256_6257	46256	6257	0.207	-1.027	1.541	2.56	-2.946	-179.531
46257_6257	46257	6257	-0.218	1.027	-1.539	-1.25	2.946	179.544

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46257_6258	46257	6258	0.218	21.799	1.539	1.25	14.833	-299.507
46258_6258	46258	6258	-0.228	21.447	-2.109	-2.253	-14.833	299.695
46258_6259	46258	6259	0.228	1.673	2.109	2.253	39.501	-184.029
46259_6259	46259	6259	-0.23	-1.673	-2.109	-2.146	-39.501	184.03
46259_6260	46259	6260	0.23	24.116	2.109	2.146	63.446	-330.46
46260_6260	46260	6260	-0.236	20.614	-2.349	-3.997	-63.446	330.636
46260_6261	46260	6261	0.236	2.114	2.349	3.997	90.464	-224.257
46261_6261	46261	6261	-0.259	-2.114	-2.347	-1.798	-90.464	224.286
46261_6262	46261	6262	0.259	24.954	2.347	1.798	117.588	-380.702
46262_6262	46262	6262	-0.332	23.616	-5.89	-3.464	-117.588	380.626
46262_6263	46262	6263	0.332	-1.254	5.89	3.464	184.24	-239.918
46263_6263	46263	6263	-0.328	1.254	-5.891	-3.604	-184.24	239.914
46263_6264	46263	6264	0.328	23.884	5.891	3.604	259.168	-383.835
46264_6264	46264	6264	-0.286	27.432	-2.795	-1.584	-259.168	383.988
46264_6265	46264	6265	0.286	-1.322	2.795	1.584	296.093	-194.041
46265_6265	46265	6265	-0.29	1.322	-2.795	-1.305	-296.093	194.043
46265_6266	46265	6266	0.29	21.411	2.795	1.305	328.24	-309.586
46266_6266	46266	6266	0.288	23.715	15.43	-0.342	-328.24	309.563
46266_6267	46266	6267	-0.288	-2.714	-15.43	0.342	164.267	-169.132
46267_6267	46267	6267	0.325	2.714	15.429	0.065	-164.267	169.133
46267_6268	46267	6268	-0.325	14.226	-15.429	-0.065	32.009	-218.472
46268_6268	46268	6268	0.003	20.867	0.791	0.754	-32.009	218.746
46268_6269	46268	6269	-0.003	4.532	-0.791	-0.754	22.001	-115.419
46269_6269	46269	6269	0.002	-4.532	0.791	0.706	-22.001	115.419
46269_6270	46269	6270	-0.002	26.406	-0.791	-0.706	13.383	-283.952
46270_6270	46270	6270	0.003	35.905	0.558	0.536	-13.383	283.87
46270_6271	46270	6271	-0.003	-12.472	-0.558	-0.536	6.865	-1.566
46271_6271	46271	6271	0.01	12.472	0.558	0.555	-6.865	1.56
46271_6272	46271	6272	-0.01	12.215	-0.558	-0.555	0	0.025
46372_6372	46372	6372	-0.027	8.794	-0.788	0.297	0	-0.055
46372_6373	46372	6373	0.027	9.705	0.788	-0.297	9.755	-5.583
46373_6373	46373	6373	-0.028	-9.705	-0.788	0.299	-9.755	5.583
46373_6374	46373	6374	0.028	27.065	0.788	-0.299	18.909	-219.184
46374_6374	46374	6374	0.008	19.541	1.056	0.634	-18.909	219.176
46374_6375	46374	6375	-0.008	-2.987	-1.056	-0.634	7.214	-94.38
46375_6375	46375	6375	0.007	2.987	1.056	0.553	-7.214	94.381
46375_6376	46375	6376	-0.007	11.89	-1.056	-0.553	-3.297	-138.705
46376_6376	46376	6376	0.014	13.925	0.508	0.141	3.297	138.684
46376_6377	46376	6377	-0.014	3.587	-0.508	-0.141	-9.256	-78.101
46377_6377	46377	6377	0.02	-3.587	0.508	1.093	9.256	78.094
46377_6378	46377	6378	-0.02	20.577	-0.508	-1.093	-15.035	-215.477
46378_6378	46378	6378	-0.245	19.565	-0.225	0.232	15.035	214.514
46378_6379	46378	6379	0.245	0.042	0.225	-0.232	-12.077	-86.416
46379_6379	46379	6379	-0.245	-0.042	-0.225	0.253	12.077	86.416
46379_6380	46379	6380	0.245	16.018	0.225	-0.253	-9.668	-172.277
46380_6380	46380	6380	-0.252	15.796	-0.403	0.172	9.668	172.143
46380_6381	46380	6381	0.252	0.316	0.403	-0.172	-5.317	-88.684
46381_6381	46381	6381	-0.255	-0.316	-0.402	0.775	5.317	88.681
46381_6382	46381	6382	0.255	14.769	0.402	-0.775	-1.431	-161.639
46382_6382	46382	6382	-0.258	18.108	-0.017	0.64	1.431	162.136
46382_6383	46382	6383	0.258	-0.961	0.017	-0.64	-1.239	-52.722
46383_6383	46383	6383	-0.258	0.961	-0.017	0.615	1.239	52.722
46383_6384	46383	6384	0.258	16.291	0.017	-0.615	-1.044	-141.22

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46384_6384	46384	6384	-0.263	17.711	-0.555	1.047	1.044	141.072
46384_6385	46384	6385	0.263	-1.465	0.555	-1.047	5.039	-35.951
46385_6385	46385	6385	-0.263	1.465	-0.555	1.024	-5.039	35.952
46385_6386	46385	6386	0.263	15.643	0.555	-1.024	11.448	-117.802
46386_6386	46386	6386	-0.256	17.888	0.224	0.924	-11.448	117.772
46386_6387	46386	6387	0.256	-0.826	-0.224	-0.924	8.866	-10.024
46387_6387	46387	6387	-0.254	0.826	0.226	1.002	-8.866	10.016
46387_6388	46387	6388	0.254	17.655	-0.226	-1.002	6.046	-114.959
46388_6388	46388	6388	-0.25	17.9	0.482	1.06	-6.046	115.056
46388_6389	46388	6389	0.25	0.476	-0.482	-1.06	0.067	-7.01
46389_6389	46389	6389	-0.25	-0.476	0.482	1.055	-0.067	7.01
46389_6390	46389	6390	0.25	17.63	-0.482	-1.055	-5.512	-111.812
46390_6390	46390	6390	-0.247	17.652	0.444	0.942	5.512	111.85
46390_6391	46390	6391	0.247	1.517	-0.444	-0.942	-11.25	-7.482
46391_6391	46391	6391	-0.244	-1.517	0.445	0.994	11.25	7.475
46391_6392	46391	6392	0.244	17.876	-0.445	-0.994	-16.166	-114.531
46392_6392	46392	6392	-0.25	17.273	-0.015	0.846	16.166	114.568
46392_6393	46392	6393	0.25	0.355	0.015	-0.846	-15.983	-13.932
46393_6393	46393	6393	-0.25	-0.355	-0.015	0.851	15.983	13.932
46393_6394	46393	6394	0.25	18.259	0.015	-0.851	-15.799	-126.389
46394_6394	46394	6394	-0.234	17.419	1.54	0.573	15.799	125.931
46394_6395	46394	6395	0.234	0.174	-1.54	-0.573	-34.085	-23.562
46395_6395	46395	6395	-0.221	-0.174	1.542	0.762	34.085	23.556
46395_6396	46395	6396	0.221	18.096	-1.542	-0.762	-52.735	-134.039
46396_6396	46396	6396	-0.272	15.472	-2.797	0.273	52.735	134.104
46396_6397	46396	6397	0.272	2.37	2.797	-0.273	-19.061	-55.222
46397_6397	46397	6397	-0.275	-2.37	-2.796	0.316	19.061	55.222
46397_6398	46397	6398	0.275	20.047	2.796	-0.316	14.299	-188.941
46398_6398	46398	6398	-0.267	24.261	0.712	1.03	-14.299	188.962
46398_6399	46398	6399	0.267	-5.647	-0.712	-1.03	5.361	-1.103
46399_6399	46399	6399	-0.245	5.647	0.719	1.063	-5.361	1.071
46399_6400	46399	6400	0.245	5.395	-0.719	-1.063	0	-0.131
46572_6572	46572	6572	-0.011	8.706	-0.093	0.559	0	-0.102
46572_6573	46572	6573	0.011	9.802	0.093	-0.559	1.148	-6.681
46573_6573	46573	6573	-0.011	-9.802	-0.093	0.56	-1.148	6.681
46573_6574	46573	6574	0.011	27.047	0.093	-0.56	2.218	-219.326
46574_6574	46574	6574	-0.001	19.67	-0.114	0.33	-2.218	219.282
46574_6575	46574	6575	0.001	-3.4	0.114	-0.33	3.454	-93.682
46575_6575	46575	6575	-0.001	3.4	-0.114	0.325	-3.454	93.682
46575_6576	46575	6576	0.001	11.301	0.114	-0.325	4.571	-132.551
46576_6576	46576	6576	-0.015	13.328	0.957	-0.114	-4.571	132.495
46576_6577	46576	6577	0.015	4.357	-0.957	0.114	-6.75	-79.408
46577_6577	46577	6577	-0.002	-4.357	0.957	0.929	6.75	79.403
46577_6578	46577	6578	0.002	21.509	-0.957	-0.929	-17.732	-227.858
46578_6578	46578	6578	0.219	20.546	-0.36	0.173	17.732	229.705
46578_6579	46578	6579	-0.219	-1.299	0.36	-0.173	-13.095	-89.004
46579_6579	46579	6579	0.219	1.299	-0.36	0.214	13.095	89.004
46579_6580	46579	6580	-0.219	14.912	0.36	-0.214	-9.187	-162.847
46580_6580	46580	6580	0.226	15.567	-0.2	-0.138	9.187	162.988
46580_6581	46580	6581	-0.226	0.307	0.2	0.138	-7.065	-81.922
46581_6581	46581	6581	0.224	-0.307	-0.201	0.479	7.065	81.921
46581_6582	46581	6582	-0.224	14.922	0.201	-0.479	-5.094	-156.399
46582_6582	46582	6582	0.227	17.772	-0.206	0.208	5.094	156.114

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46582_6583	46582	6583	-0.227	-1.035	0.206	-0.208	-2.788	-50.782
46583_6583	46583	6583	0.227	1.035	-0.206	0.261	2.788	50.782
46583_6584	46583	6584	-0.227	16.44	0.206	-0.261	-0.377	-140.869
46584_6584	46584	6584	0.208	17.875	-1.045	0.391	0.377	141.18
46584_6585	46584	6585	-0.208	-1.853	1.045	-0.391	10.922	-34.52
46585_6585	46585	6585	0.208	1.853	-1.045	0.392	-10.922	34.52
46585_6586	46585	6586	-0.208	15.384	1.045	-0.392	23.078	-113.224
46586_6586	46586	6586	0.232	17.711	0.798	0.722	-23.078	113.408
46586_6587	46586	6587	-0.232	-0.85	-0.798	-0.722	13.997	-7.806
46587_6587	46587	6587	0.237	0.85	0.797	0.771	-13.997	7.802
46587_6588	46587	6588	-0.237	17.727	-0.797	-0.771	4.009	-113.593
46588_6588	46588	6588	0.226	17.754	0.173	0.935	-4.009	113.136
46588_6589	46588	6589	-0.226	0.446	-0.173	-0.935	1.89	-6.84
46589_6589	46589	6589	0.226	-0.446	0.173	0.932	-1.89	6.841
46589_6590	46589	6590	-0.226	17.668	-0.173	-0.932	-0.117	-112.104
46590_6590	46590	6590	0.233	17.554	0.482	1.034	0.117	111.713
46590_6591	46590	6591	-0.233	1.5	-0.482	-1.034	-6.313	-8.492
46591_6591	46591	6591	0.237	-1.5	0.48	1.097	6.313	8.484
46591_6592	46591	6592	-0.237	17.852	-0.48	-1.097	-11.612	-115.267
46592_6592	46592	6592	0.234	17.3	0.281	1.159	11.612	115.975
46592_6593	46592	6593	-0.234	0.091	-0.281	-1.159	-14.911	-14.989
46593_6593	46593	6593	0.234	-0.091	0.281	1.162	14.911	14.989
46593_6594	46593	6594	-0.234	18.125	-0.281	-1.162	-18.331	-125.839
46594_6594	46594	6594	0.239	17.067	0.492	1.041	18.331	125.846
46594_6595	46594	6595	-0.239	0.533	-0.492	-1.041	-24.175	-27.657
46595_6595	46595	6595	0.242	-0.533	0.49	1.244	24.175	27.648
46595_6596	46595	6596	-0.242	18.337	-0.49	-1.244	-30.065	-141.009
46596_6596	46596	6596	0.227	16.316	-0.641	1.204	30.065	141.217
46596_6597	46596	6597	-0.227	1.491	0.641	-1.204	-22.362	-52.134
46597_6597	46597	6597	0.228	-1.491	-0.641	1.183	22.362	52.135
46597_6598	46597	6598	-0.228	19.096	0.641	-1.183	-14.746	-174.439
46598_6598	46598	6598	0.228	22.81	-0.882	1.018	14.746	174.439
46598_6599	46598	6599	-0.228	-4.249	0.882	-1.018	-3.701	-4.964
46599_6599	46599	6599	0.226	4.249	-0.882	1.028	3.701	4.962
46599_6600	46599	6600	-0.226	1.967	0.882	-1.028	0	-0.175
47000_7000	47000	7000	0.102	450.517	7.117	-0.619	0	-5.196
47000_7001	47000	7001	-0.102	-419.879	-7.117	0.619	-74.772	4577.561
47001_7001	47001	7001	0.102	419.879	7.117	-0.596	74.772	-4577.56
47001_7002	47001	7002	-0.102	-392.479	-7.117	0.596	-141.644	8394.113
47002_7002	47002	7002	0.058	335.634	-6.284	5.792	141.644	-8394.12
47002_7003	47002	7003	-0.058	-300.328	6.284	-5.792	-65.555	12244.08
47003_7003	47003	7003	0.052	300.328	-6.284	-5.567	65.555	-12244.1
47003_7004	47003	7004	-0.052	-264.997	6.284	5.567	10.588	15668.85
47004_7004	47004	7004	0.07	220.314	0.271	15.49	-10.588	-15668.9
47004_7005	47004	7005	-0.07	-185.016	-0.271	-15.49	7.313	18122.17
47005_7005	47005	7005	0.071	185.016	0.27	-16.14	-7.313	-18122.2
47005_7006	47005	7006	-0.071	-149.696	-0.27	16.14	4.037	20149.22
47006_7006	47006	7006	0.074	107.026	1.083	18.209	-4.037	-20149.4
47006_7007	47006	7007	-0.074	-71.71	-1.083	-18.209	-9.079	21231.69
47007_7007	47007	7007	0.075	71.71	1.083	-18.797	9.079	-21231.7
47007_7008	47007	7008	-0.075	-36.373	-1.083	18.797	-22.2	21886.58
47008_7008	47008	7008	0.072	-5.872	-0.393	18.64	22.2	-21886.7
47008_7009	47008	7009	-0.072	41.177	0.393	-18.64	-17.439	21601.9

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47009_7009	47009	7009	0.071	-41.177	-0.393	-18.99	17.439	-21601.9
47009_7010	47009	7010	-0.071	76.503	0.393	18.99	-12.673	20889.09
47010_7010	47010	7010	0.076	-117.725	0.808	15.726	12.673	-20889.3
47010_7011	47010	7011	-0.076	153.048	-0.808	-15.726	-22.459	19249.33
47011_7011	47011	7011	0.078	-153.048	0.808	-15.818	22.459	-19249.3
47011_7012	47011	7012	-0.078	188.363	-0.808	15.818	-32.242	17181.96
47012_7012	47012	7012	0.076	-230.551	0.198	12.379	32.242	-17182.1
47012_7013	47012	7013	-0.076	265.863	-0.198	-12.379	-34.634	14176.41
47013_7013	47013	7013	0.077	-265.863	0.197	-12.267	34.634	-14176.4
47013_7014	47013	7014	-0.077	301.197	-0.197	12.267	-37.026	10740.86
47014_7014	47014	7014	0.081	-344.486	1.182	3.817	37.026	-10741
47014_7015	47014	7015	-0.081	390.682	-1.182	-3.817	-55.755	4917.701
47015_7015	47015	7015	4.515	-390.656	1.182	-3.359	55.717	-4917.65
47015_7016	47015	7016	-4.77	413.152	-1.182	3.359	-65.478	1598.907
47016_7016	47016	7016	15.164	-462.039	1.251	-1.819	65.471	-1600.01
47016_7017	47016	7017	-16.217	494.137	-1.251	1.819	-80.178	-4020.02
47017_7017	47017	7017	30.049	-493.486	1.251	3.674	80.549	4020.088
47017_7018	47017	7018	-32.417	532.331	-1.251	-3.674	-97.145	-10825.6
47018_7018	47018	7018	51.632	-579.727	-2.762	-19.506	95.357	10825.38
47018_7019	47018	7019	-55.064	618.221	2.762	19.506	-60.717	-18341.1
47019_7019	47019	7019	72.108	-616.464	-2.763	22.295	65.221	18341.07
47019_7020	47019	7020	-76.903	657.411	2.763	-22.295	-30.504	-26353.2
47020_7020	47020	7020	-2460.94	214.241	-18.203	-3.01	420.103	5837.885
47020_7021	47020	7021	2460.938	-187.669	18.203	3.01	-247.19	-3928.95
47021_7021	47021	7021	-2460.95	187.669	-16.745	-1.744	247.19	3914.006
47021_7022	47021	7022	2460.948	-168.104	16.745	1.744	-117.453	-2535.76
47022_7022	47022	7022	-2460.97	168.104	-13.588	1.509	117.453	2535.764
47022_7023	47022	7023	2460.968	-148.541	13.588	-1.509	-12.192	-1309.28
47023_7023	47023	7023	-2460.99	100.237	-7.034	-0.933	12.192	1309.182
47023_7024	47023	7024	2460.988	-80.016	7.034	0.933	44.129	-587.503
47024_7024	47024	7024	-2461	80.016	-4.309	-0.282	-44.129	587.503
47024_7025	47024	7025	2460.995	-59.823	4.309	0.282	78.581	-28.402
47025_7025	47025	7025	-2461	59.823	-4.309	-0.282	-78.581	28.402
47025_7026	47025	7026	2460.995	-39.629	4.309	0.282	113.034	369.227
47026_7026	47026	7026	-2461	-8.281	-4.034	-0.304	-113.034	-369.33
47026_7027	47026	7027	2460.998	23.444	4.034	0.304	137.255	274.089
47027_7027	47027	7027	-2461	-23.444	-4.472	-0.255	-137.255	-274.089
47027_7028	47027	7028	2460.997	38.581	4.472	0.255	164.059	88.193
47028_7028	47028	7028	-2461	-38.581	0.042	-0.417	-164.059	-88.192
47028_7029	47028	7029	2461.001	53.741	-0.042	0.417	163.805	-188.919
47029_7029	47029	7029	-2461	-53.741	0.042	-0.417	-163.805	188.919
47029_7030	47029	7030	2461.001	68.901	-0.042	0.417	163.552	-557.036
47030_7030	47030	7030	-2461.01	-116.44	1.642	-1.463	-163.552	557.021
47030_7031	47030	7031	2461.005	136.626	-1.642	1.463	150.43	-1568.43
47031_7031	47031	7031	-2461.01	-136.626	1.961	-1.259	-150.43	1568.425
47031_7032	47031	7032	2461.005	156.836	-1.961	1.259	134.736	-2742.73
47032_7032	47032	7032	-2461	-156.836	5.02	2.15	-134.736	2742.733
47032_7033	47032	7033	2461.001	177.044	-5.02	-2.15	94.568	-4078.61
47033_7033	47033	7033	-2460.96	-226.22	12.631	0.627	-94.568	4078.677
47033_7034	47033	7034	2460.962	245.789	-12.631	-0.627	-3.314	-5907.56
47034_7034	47034	7034	-2460.98	-245.789	9.472	-6.957	3.314	5907.556
47034_7035	47034	7035	2460.976	265.361	-9.472	6.957	-76.723	-7888.36
47035_7035	47035	7035	-2460.95	-265.361	14.186	7.508	76.723	7904.085

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47035_7036	47035	7036	2460.953	291.928	-14.186	-7.508	-211.454	-10550.5
47036_7036	47036	7036	76.19	550.933	1.305	-12.156	-31.294	32334.98
47036_7037	47036	7037	-71.395	-509.979	-1.305	12.156	14.9	-25661.8
47037_7037	47037	7037	57.305	511.767	1.296	8.621	-17.034	25661.79
47037_7038	47037	7038	-53.873	-473.28	-1.296	-8.621	0.796	-19483.4
47038_7038	47038	7038	38.028	432.182	1.14	-8.816	0.505	19483.78
47038_7039	47038	7039	-35.661	-393.323	-1.14	8.816	-15.643	-14005.7
47039_7039	47039	7039	24.083	394.121	1.115	19.38	14.609	13981.56
47039_7040	47039	7040	-23.042	-362.368	-1.115	-19.38	-27.714	-9534.61
47040_7040	47040	7040	15.081	310.947	-0.065	-10.503	28.305	9535.057
47040_7041	47040	7041	-14.831	-288.918	0.065	10.503	-27.766	-7061.45
47041_7041	47041	7041	11.739	289.124	-0.088	2.575	27.683	7055.242
47041_7042	47041	7042	-11.739	-252.203	0.088	-2.575	-26.332	-2879.87
47042_7042	47042	7042	11.737	206.676	-1.28	-1.9	26.332	2879.923
47042_7043	47042	7043	-11.737	-178.195	1.28	1.9	-11.104	-589.932
47043_7043	47043	7043	11.735	178.195	-1.299	-0.913	11.104	589.934
47043_7044	47043	7044	-11.735	-149.719	1.299	0.913	4.356	1360.861
47044_7044	47044	7044	11.739	108.912	0.126	0.664	-4.356	-1360.87
47044_7045	47044	7045	-11.739	-80.413	-0.126	-0.664	2.854	2488.04
47045_7045	47045	7045	11.739	80.413	0.117	-1.233	-2.854	-2488.04
47045_7046	47045	7046	-11.739	-51.941	-0.117	1.233	1.46	3275.311
47046_7046	47046	7046	11.739	10.945	0.133	3.729	-1.46	-3275.33
47046_7047	47046	7047	-11.739	17.547	-0.133	-3.729	-0.12	3236.037
47047_7047	47047	7047	11.739	-17.547	0.113	-1.688	0.12	-3236.04
47047_7048	47047	7048	-11.739	46.035	-0.113	1.688	-1.467	2857.635
47048_7048	47048	7048	11.738	-87.489	-0.072	2.742	1.467	-2857.66
47048_7049	47048	7049	-11.738	115.974	0.072	-2.742	-0.614	1646.839
47049_7049	47049	7049	11.738	-115.974	-0.082	1.363	0.614	-1646.84
47049_7050	47049	7050	-11.738	144.458	0.082	-1.363	0.357	97.104
47050_7050	47050	7050	11.741	-186.169	1.285	0.92	-0.357	-97.121
47050_7051	47050	7051	-11.741	223.078	-1.285	-0.92	-19.456	-3058.49
47051_7051	47051	7051	14.462	-222.864	1.265	5.939	19.512	3060.63
47051_7052	47051	7052	-14.693	243.201	-1.265	-5.939	-29.945	-4982.4
47052_7052	47052	7052	21.771	-290.822	0.445	-5.126	29.712	4982.268
47052_7053	47052	7053	-22.731	320.105	-0.445	5.126	-34.948	-8575.43
47053_7053	47053	7053	31.976	-319.245	0.419	13.513	35.978	8579.088
47053_7054	47053	7054	-34.27	356.8	-0.419	-13.513	-41.537	-13065.1
47054_7054	47054	7054	48.471	-400.144	-2.517	-12.028	39.675	13064.97
47054_7055	47054	7055	-51.788	437.247	2.517	12.028	-8.12	-18317.1
47055_7055	47055	7055	63.946	-435.601	-2.536	16.789	11.233	18317.08
47055_7056	47055	7056	-68.564	474.955	2.536	-16.789	20.634	-24043.6
47056_7056	47056	7056	-2052.46	270.084	-11.245	-4.993	173.806	8028.542
47056_7057	47056	7057	2052.455	-244.317	11.245	4.993	-66.902	-5583.45
47057_7057	47057	7057	-2052.47	244.317	-8.886	1.398	66.902	5549.516
47057_7058	47057	7058	2052.467	-223.769	8.886	-1.398	1.973	-3735.45
47058_7058	47058	7058	-2052.48	223.769	-6.245	6.205	-1.973	3735.449
47058_7059	47058	7059	2052.477	-203.223	6.245	-6.205	50.373	-2080.8
47059_7059	47059	7059	-2052.47	156.759	-5.771	0.073	-50.373	2080.876
47059_7060	47059	7060	2052.472	-135.574	5.771	-0.073	96.486	-912.849
47060_7060	47060	7060	-2052.48	135.574	-3.026	1.294	-96.486	912.848
47060_7061	47060	7061	2052.478	-114.365	3.026	-1.294	120.692	86.951
47061_7061	47061	7061	-2052.48	114.365	-0.466	1.185	-120.692	-86.953
47061_7062	47061	7062	2052.48	-93.158	0.466	-1.185	124.423	917.008

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47062_7062	47062	7062	-2052.48	47.96	-1.946	2.344	-124.423	-917.156
47062_7063	47062	7063	2052.479	-32.042	1.946	-2.344	136.107	1157.351
47063_7063	47063	7063	-2052.48	32.042	1.464	0.421	-136.107	-1157.35
47063_7064	47063	7064	2052.48	-16.125	-1.464	-0.421	127.315	1301.952
47064_7064	47064	7064	-2052.48	16.125	1.231	0.57	-127.315	-1301.95
47064_7065	47064	7065	2052.48	-0.235	-1.231	-0.57	119.938	1350.984
47065_7065	47065	7065	-2052.48	0.235	1.464	0.416	-119.938	-1350.98
47065_7066	47065	7066	2052.48	15.682	-1.464	-0.416	111.146	1304.613
47066_7066	47066	7066	-2052.48	-61.194	5.023	1.038	-111.146	-1304.53
47066_7067	47066	7067	2052.477	82.396	-5.023	-1.038	70.977	730.34
47067_7067	47067	7067	-2052.48	-82.396	5.023	1.038	-70.977	-730.34
47067_7068	47067	7068	2052.477	103.598	-5.023	-1.038	30.807	-13.411
47068_7068	47068	7068	-2052.48	-103.598	5.193	1.039	-30.807	13.411
47068_7069	47068	7069	2052.476	124.826	-5.193	-1.039	-10.772	-927.969
47069_7069	47069	7069	-2052.45	-170.509	10.074	-1.006	10.772	928.111
47069_7070	47069	7070	2052.453	191.044	-10.074	1.006	-88.809	-2328.43
47070_7070	47070	7070	-2052.44	-191.044	12.719	1.994	88.809	2328.432
47070_7071	47070	7071	2052.439	211.577	-12.719	-1.994	-187.32	-3887.69
47071_7071	47071	7071	-2052.44	-211.577	12.919	2.441	187.32	3918.36
47071_7072	47071	7072	2052.437	237.324	-12.919	-2.441	-310.041	-6050.41
47072_7072	47072	7072	74.642	509.579	2.531	-6.144	3.654	21792.63
47072_7073	47072	7073	-70.024	-470.199	-2.531	6.144	-35.479	-15627.5
47073_7073	47073	7073	56.991	471.98	2.52	5.357	34.13	15627.54
47073_7074	47073	7074	-53.674	-434.859	-2.52	-5.357	-65.73	-9937.58
47074_7074	47074	7074	38.841	394.463	-1.073	0.317	66.139	9937.78
47074_7075	47074	7075	-36.547	-356.927	1.073	-0.317	-51.908	-4954.43
47075_7075	47075	7075	25.724	357.878	-1.099	8.569	51.664	4948.921
47075_7076	47075	7076	-24.796	-329.571	1.099	-8.569	-38.746	-908.7
47076_7076	47076	7076	17.533	281.879	0.08	-1.02	38.928	908.771
47076_7077	47076	7077	-17.309	-262.196	-0.08	1.02	-39.591	1336.539
47077_7077	47077	7077	14.465	262.425	0.064	-2.911	39.598	-1339.62
47077_7078	47077	7078	-14.465	-227.07	-0.064	2.911	-40.487	4761.626
47078_7078	47078	7078	14.46	188.53	-0.925	1.838	40.487	-4761.66
47078_7079	47078	7079	-14.46	-160.219	0.925	-1.838	-30.126	6714.07
47079_7079	47079	7079	14.46	160.219	-0.938	-3.828	30.126	-6714.07
47079_7080	47079	7080	-14.46	-131.933	0.938	3.828	-19.638	8348.091
47080_7080	47080	7080	14.462	95.475	-0.011	3.787	19.638	-8348.16
47080_7081	47080	7081	-14.462	-67.193	0.011	-3.787	-19.514	9257.88
47081_7081	47081	7081	14.462	67.193	-0.025	-4.9	19.514	-9257.88
47081_7082	47081	7082	-14.462	-38.886	0.025	4.9	-19.237	9851.63
47082_7082	47082	7082	14.461	0.426	-0.192	4.13	19.237	-9851.7
47082_7083	47082	7083	-14.461	29.98	0.192	-4.13	-16.924	9674.007
47083_7083	47083	7083	14.461	-29.98	-0.204	-3.906	16.924	-9674.01
47083_7084	47083	7084	-14.461	60.385	0.204	3.906	-14.466	9130.708
47084_7084	47084	7084	14.46	-98.524	-0.258	4.094	14.466	-9130.77
47084_7085	47084	7085	-14.46	126.825	0.258	-4.094	-11.582	7869.659
47085_7085	47085	7085	14.46	-126.825	-0.27	-2.603	11.582	-7869.66
47085_7086	47085	7086	-14.46	155.1	0.27	2.603	-8.564	6293.4
47086_7086	47086	7086	14.46	-192.231	-0.16	4.85	8.564	-6293.43
47086_7087	47086	7087	-14.46	220.53	0.16	-4.85	-6.778	3983.691
47087_7087	47087	7087	14.459	-220.53	-0.185	-2.262	6.778	-3983.69
47087_7088	47087	7088	-14.459	248.827	0.185	2.262	-4.703	1357.468
47088_7088	47088	7088	14.462	-285.56	0.629	-0.546	4.703	-1357.47

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47088_7089	47088	7089	-14.462	319.576	-0.629	0.546	-13.166	-2712.82
47089_7089	47089	7089	18.183	-319.344	0.602	4.334	13.206	2718.716
47089_7090	47089	7090	-18.419	340.133	-0.602	-4.334	-18.17	-5438.2
47090_7090	47090	7090	27.236	-382.762	0.378	-7.511	17.877	5438.049
47090_7091	47090	7091	-28.217	412.667	-0.378	7.511	-22.319	-10113.3
47091_7091	47091	7091	39.908	-411.636	0.355	8.63	23.104	10112.89
47091_7092	47091	7092	-42.158	448.569	-0.355	-8.63	-27.809	-15821
47092_7092	47092	7092	58.739	-491.012	-2.618	-16.14	25.881	15820.69
47092_7093	47092	7093	-61.996	527.536	2.618	16.14	6.949	-22209.8
47093_7093	47093	7093	76.582	-525.589	-2.642	19.33	-3.253	22209.83
47093_7094	47093	7094	-81.123	564.367	2.642	-19.33	36.453	-29065.6
47094_7094	47094	7094	-2340.23	241.218	-7.533	-5.686	75.839	8674.011
47094_7095	47094	7095	2340.226	-215.898	7.533	5.686	-4.233	-6501.32
47095_7095	47095	7095	-2340.23	215.898	-5.416	0.036	4.233	6503.302
47095_7096	47095	7096	2340.232	-195.862	5.416	-0.036	37.71	-4908.82
47096_7096	47096	7096	-2340.24	195.862	-2.294	6.583	-37.71	4908.816
47096_7097	47096	7097	2340.237	-175.8	2.294	-6.583	55.501	-3467.81
47097_7097	47097	7097	-2340.24	131.715	-0.577	-2.982	-55.501	3467.804
47097_7098	47097	7098	2340.24	-111.032	0.577	2.982	60.115	-2497.48
47098_7098	47098	7098	-2340.24	111.032	2.444	0.242	-60.115	2497.479
47098_7099	47098	7099	2340.238	-90.324	-2.444	-0.242	40.556	-1691.63
47099_7099	47099	7099	-2340.23	90.324	5.366	2.354	-40.556	1691.629
47099_7100	47099	7100	2340.233	-69.617	-5.366	-2.354	-2.393	-1051.55
47100_7100	47100	7100	-2340.26	25.994	-0.387	-0.118	2.393	1051.666
47100_7101	47100	7101	2340.255	-10.489	0.387	0.118	-0.074	-942.346
47101_7101	47101	7101	-2340.25	10.489	3.633	1.5	0.074	942.344
47101_7102	47101	7102	2340.252	5.041	-3.633	-1.5	-21.884	-925.992
47102_7102	47102	7102	-2340.25	-5.041	-4.16	-1.583	21.884	925.992
47102_7103	47102	7103	2340.251	20.572	4.16	1.583	3.087	-1002.87
47103_7103	47103	7103	-2340.26	-20.572	-0.387	0.034	-3.087	1002.873
47103_7104	47103	7104	2340.255	36.077	0.387	-0.034	5.406	-1172.62
47104_7104	47104	7104	-2340.25	-79.945	-4.028	-1.488	-5.406	1172.524
47104_7105	47104	7105	2340.254	100.652	4.028	1.488	37.644	-1895.27
47105_7105	47105	7105	-2340.26	-100.652	-1.105	0.879	-37.644	1895.267
47105_7106	47105	7106	2340.257	121.358	1.105	-0.879	46.489	-2783.71
47106_7106	47106	7106	-2340.26	-121.358	-1.193	0.774	-46.489	2783.709
47106_7107	47106	7107	2340.257	142.039	1.193	-0.774	56.025	-3836.46
47107_7107	47107	7107	-2340.25	-185.69	4.431	-2.465	-56.025	3836.51
47107_7108	47107	7108	2340.247	205.748	-4.431	2.465	21.667	-5353.94
47108_7108	47108	7108	-2340.25	-205.748	4.431	-2.465	-21.667	5353.94
47108_7109	47108	7109	2340.247	225.806	-4.431	2.465	-12.691	-7026.88
47109_7109	47109	7109	-2340.24	-225.806	6.746	4.31	12.691	7024.243
47109_7110	47109	7110	2340.241	251.093	-6.746	-4.31	-76.736	-9287.98
47110_7110	47110	7110	91.916	548.716	1.937	-19.998	-13.562	29921.54
47110_7111	47110	7111	-87.375	-509.919	-1.937	19.998	-10.793	-23260.2
47111_7111	47111	7111	73.266	512.163	1.894	16.776	6.884	23260.23
47111_7112	47111	7112	-70.009	-475.626	-1.894	-16.776	-30.629	-17062.2
47112_7112	47112	7112	54.231	437.468	-0.341	-4.689	32.393	17062.57
47112_7113	47112	7113	-51.981	-400.552	0.341	4.689	-27.877	-11504.7
47113_7113	47113	7113	40.065	401.944	-0.376	9.655	27.329	11506.8
47113_7114	47113	7114	-39.094	-372.33	0.376	-9.655	-22.91	-6955.02
47114_7114	47114	7114	30.96	325.884	-0.203	-2.92	23.176	6955.276
47114_7115	47114	7115	-30.726	-305.294	0.203	2.92	-21.504	-4351.02

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47115_7115	47115	7115	27.428	305.661	-0.218	-0.74	21.484	4339.733
47115_7116	47115	7116	-27.428	-272.763	0.218	0.74	-18.436	-298.632
47116_7116	47116	7116	27.427	233.471	-0.638	-0.547	18.436	298.634
47116_7117	47116	7117	-27.427	-207.121	0.638	0.547	-11.298	2166.914
47117_7117	47117	7117	27.427	207.121	-0.662	-2.448	11.298	-2166.91
47117_7118	47117	7118	-27.427	-180.794	0.662	2.448	-3.898	4335.704
47118_7118	47118	7118	27.426	145.619	-0.072	-0.801	3.898	-4335.69
47118_7119	47118	7119	-27.426	-119.27	0.072	0.801	-3.093	5817.934
47119_7119	47119	7119	27.426	119.27	-0.072	-0.801	3.093	-5817.93
47119_7120	47119	7120	-27.426	-92.921	0.072	0.801	-2.288	7005.294
47120_7120	47120	7120	27.427	54.715	-0.109	6.359	2.288	-7005.32
47120_7121	47120	7121	-27.427	-26.412	0.109	-6.359	-0.977	7492.936
47121_7121	47121	7121	27.426	26.412	-0.155	-6.106	0.977	-7492.94
47121_7122	47121	7122	-27.426	1.89	0.155	6.106	0.882	7640.322
47122_7122	47122	7122	27.426	-39.753	-0.158	4.214	-0.882	-7640.33
47122_7123	47122	7123	-27.426	66.101	0.158	-4.214	2.645	7048.036
47123_7123	47123	7123	27.426	-66.101	-0.182	-2.083	-2.645	-7048.04
47123_7124	47123	7124	-27.426	92.448	0.182	2.083	4.683	6160.907
47124_7124	47124	7124	27.426	-129.697	0.032	5.932	-4.683	-6160.91
47124_7125	47124	7125	-27.426	156.044	-0.032	-5.932	4.321	4562.111
47125_7125	47125	7125	27.426	-156.044	-0.017	-2.222	-4.321	-4562.11
47125_7126	47125	7126	-27.426	182.391	0.017	2.222	4.507	2668.51
47126_7126	47126	7126	27.43	-219.503	0.763	2.112	-4.507	-2668.49
47126_7127	47126	7127	-27.43	251.336	-0.763	-2.112	-5.802	-514.469
47127_7127	47127	7127	30.419	-250.966	0.726	2.586	5.822	522.722
47127_7128	47127	7128	-30.634	269.87	-0.726	-2.586	-11.811	-2671.31
47128_7128	47128	7128	38.13	-315.665	0.861	-1.817	11.703	2671.194
47128_7129	47128	7129	-39.023	342.875	-0.861	1.817	-21.819	-6541.91
47129_7129	47129	7129	48.788	-341.561	0.804	10.356	22.532	6540.151
47129_7130	47129	7130	-50.968	377.332	-0.804	-10.356	-33.18	-11310.4
47130_7130	47130	7130	65.277	-416.278	-3.127	-3.689	32.225	11310.27
47130_7131	47130	7131	-68.436	451.707	3.127	3.689	6.933	-16755.3
47131_7131	47131	7131	84.624	-448.92	-3.145	8.008	-5.617	16755.27
47131_7132	47131	7132	-89.036	484.133	3.145	-8.008	42.518	-22245.5
47132_7132	47132	7132	-2038.89	216.911	21.303	7.146	-322.185	6376.851
47132_7133	47132	7133	2038.894	-190.329	-21.303	-7.146	102.334	-4275.49
47133_7133	47133	7133	-2038.92	190.329	18.673	-0.006	-102.334	4298.155
47133_7134	47133	7134	2038.92	-172.078	-18.673	0.006	-42.379	-2893.83
47134_7134	47134	7134	-2038.96	172.078	13.421	-7.459	42.379	2893.817
47134_7135	47134	7135	2038.961	-153.804	-13.421	7.459	-146.527	-1629.39
47135_7135	47135	7135	-2038.93	115.465	-4.436	-0.52	146.527	1629.472
47135_7136	47135	7136	2038.934	-96.649	4.436	0.52	-111.082	-782.057
47136_7136	47136	7136	-2038.94	96.649	-1.872	0.463	111.082	782.058
47136_7137	47136	7137	2038.938	-77.81	1.872	-0.463	-96.109	-84.213
47137_7137	47137	7137	-2038.94	77.81	-1.872	0.463	96.109	84.213
47137_7138	47137	7138	2038.938	-58.97	1.872	-0.463	-81.137	462.912
47138_7138	47138	7138	-2038.93	19.788	-4.386	0.816	81.137	-462.973
47138_7139	47138	7139	2038.934	-5.658	4.386	-0.816	-54.819	539.313
47139_7139	47139	7139	-2038.94	5.658	-0.988	-0.082	54.819	-539.314
47139_7140	47139	7140	2038.939	8.472	0.988	0.082	-48.889	530.873
47140_7140	47140	7140	-2038.94	-8.472	-0.988	-0.082	48.889	-530.873
47140_7141	47140	7141	2038.939	22.601	0.988	0.082	-42.96	437.654
47141_7141	47141	7141	-2038.94	-22.601	-0.988	-0.082	42.96	-437.654

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47141_7142	47141	7142	2038.939	36.731	0.988	0.082	-37.031	259.655
47142_7142	47142	7142	-2038.94	-77.918	-3.826	-0.058	37.031	-259.726
47142_7143	47142	7143	2038.936	96.758	3.826	0.058	-6.421	-438.995
47143_7143	47143	7143	-2038.94	-96.758	-1.278	0.491	6.421	438.994
47143_7144	47143	7144	2038.939	115.598	1.278	-0.491	3.799	-1288.43
47144_7144	47144	7144	-2038.94	-115.598	-1.278	0.491	-3.799	1288.429
47144_7145	47144	7145	2038.939	134.437	1.278	-0.491	14.019	-2288.58
47145_7145	47145	7145	-2038.93	-178.083	-2.252	2.21	-14.019	2288.51
47145_7146	47145	7146	2038.932	196.334	2.252	-2.21	31.471	-3739.4
47146_7146	47146	7146	-2038.93	-196.334	-4.883	-2.614	-31.471	3739.396
47146_7147	47146	7147	2038.928	214.585	4.883	2.614	69.311	-5331.74
47147_7147	47147	7147	-2038.93	-214.585	-2.459	3.13	-69.311	5311.926
47147_7148	47147	7148	2038.932	239.056	2.459	-3.13	92.676	-7466.75
47148_7148	47148	7148	103.642	476.336	1.231	-8.698	-21.727	24112.35
47148_7149	47148	7149	-99.23	-438.65	-1.231	8.698	6.272	-18356.9
47149_7149	47149	7149	87.06	441.247	1.193	6.119	-7.852	18356.95
47149_7150	47149	7150	-83.901	-405.818	-1.193	-6.119	-7.095	-13043.6
47150_7150	47150	7150	69.884	365.185	0.85	-1.956	7.788	13043.51
47150_7151	47150	7151	-67.704	-329.414	-0.85	1.956	-19.076	-8434.69
47151_7151	47151	7151	57.615	331.317	0.806	2.821	18.874	8446.491
47151_7152	47151	7152	-56.698	-303.364	-0.806	-2.821	-28.344	-4716.34
47152_7152	47152	7152	50.027	252.086	-1.769	-0.288	28.42	4716.221
47152_7153	47152	7153	-49.806	-232.661	1.769	0.288	-13.827	-2716.55
47153_7153	47153	7153	47.343	233.233	-1.723	-2.82	13.816	2715.731
47153_7154	47153	7154	-47.343	-201.86	1.723	2.82	9.873	275.586
47154_7154	47154	7154	47.334	159.458	0.259	-1.225	-9.873	-275.577
47154_7155	47154	7155	-47.334	-134.359	-0.259	1.225	7.03	1891.599
47155_7155	47155	7155	47.334	134.359	0.259	-1.225	-7.03	-1891.6
47155_7156	47155	7156	-47.334	-109.261	-0.259	1.225	4.186	3231.529
47156_7156	47156	7156	47.336	73.254	-0.215	-2.393	-4.186	-3231.53
47156_7157	47156	7157	-47.336	-50.437	0.215	2.393	6.332	3849.991
47157_7157	47157	7157	47.336	50.437	-0.167	1.457	-6.332	-3849.99
47157_7158	47157	7158	-47.336	-27.62	0.167	-1.457	8.005	4240.282
47158_7158	47158	7158	47.333	-5.642	0.139	-1.686	-8.005	-4240.28
47158_7159	47158	7159	-47.333	28.482	-0.139	1.686	6.614	4069.486
47159_7159	47159	7159	47.333	-28.482	0.187	2.404	-6.614	-4069.49
47159_7160	47159	7160	-47.333	51.299	-0.187	-2.404	4.748	3670.575
47160_7160	47160	7160	47.332	-88.651	0.361	0.064	-4.748	-3670.56
47160_7161	47160	7161	-47.332	113.75	-0.361	-0.064	0.777	2557.346
47161_7161	47161	7161	47.332	-113.75	0.404	2.389	-0.777	-2557.35
47161_7162	47161	7162	-47.332	138.849	-0.404	-2.389	-3.666	1168.034
47162_7162	47162	7162	47.329	-179.423	0.874	1.172	3.666	-1168.04
47162_7163	47162	7163	-47.329	210.796	-0.874	-1.172	-15.679	-1514.76
47163_7163	47163	7163	49.873	-210.222	0.828	2.531	15.7	1515.177
47163_7164	47163	7164	-50.094	229.647	-0.828	-2.531	-22.53	-3329.73
47164_7164	47164	7164	56.852	-278.341	1.059	-0.304	22.492	3329.843
47164_7165	47164	7165	-57.769	306.294	-1.059	0.304	-34.941	-6766.16
47165_7165	47165	7165	66.559	-304.463	1.027	3.966	35.224	6759.415
47165_7166	47165	7166	-68.767	340.673	-1.027	-3.966	-48.845	-11037
47166_7166	47166	7166	83.144	-391.417	-1.809	-4.18	48.295	11036.8
47166_7167	47166	7167	-86.342	427.287	1.809	4.18	-25.618	-16172.7
47167_7167	47167	7167	98.177	-424.714	-1.847	7.983	27.011	16172.73
47167_7168	47167	7168	-102.641	462.841	1.847	-7.983	-3.807	-21756.2

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47168_7168	47168	7168	-1974.84	245.858	3.116	-3.576	-91.974	6810.478
47168_7169	47168	7169	1974.836	-221.052	-3.116	3.576	62.373	-4592.61
47169_7169	47169	7169	-1974.83	221.052	5.396	0.614	-62.373	4617.316
47169_7170	47169	7170	1974.831	-202.298	-5.396	-0.614	20.555	-2976.81
47170_7170	47170	7170	-1974.83	202.298	5.396	0.614	-20.555	2976.812
47170_7171	47170	7171	1974.831	-183.544	-5.396	-0.614	-21.263	-1481.66
47171_7171	47171	7171	-1974.8	136.184	0.548	0.42	21.263	1481.555
47171_7172	47171	7172	1974.798	-116.825	-0.548	-0.42	-25.645	-469.508
47172_7172	47172	7172	-1974.8	116.825	-1.921	-0.167	25.645	469.508
47172_7173	47172	7173	1974.797	-97.465	1.921	0.167	-10.279	387.667
47173_7173	47173	7173	-1974.8	97.465	0.548	-0.652	10.279	-387.667
47173_7174	47173	7174	1974.798	-78.106	-0.548	0.652	-14.661	1089.959
47174_7174	47174	7174	-1974.8	33.601	0.95	-0.472	14.661	-1090.05
47174_7175	47174	7175	1974.8	-19.081	-0.95	0.472	-20.362	1248.092
47175_7175	47175	7175	-1974.8	19.081	-2.341	1.608	20.362	-1248.09
47175_7176	47175	7176	1974.799	-4.561	2.341	-1.608	-6.314	1319.02
47176_7176	47176	7176	-1974.8	4.561	0.95	-0.59	6.314	-1319.02
47176_7177	47176	7177	1974.8	9.958	-0.95	0.59	-12.015	1302.83
47177_7177	47177	7177	-1974.8	-9.958	0.95	-0.59	12.015	-1302.83
47177_7178	47177	7178	1974.8	24.478	-0.95	0.59	-17.715	1199.522
47178_7178	47178	7178	-1974.8	-69.531	1.067	-0.403	17.715	-1199.61
47178_7179	47178	7179	1974.801	88.89	-1.067	0.403	-26.251	565.917
47179_7179	47179	7179	-1974.8	-88.89	-1.401	0.304	26.251	-565.917
47179_7180	47179	7180	1974.801	108.25	1.401	-0.304	-15.04	-222.66
47180_7180	47180	7180	-1974.8	-108.25	1.067	0.583	15.04	222.659
47180_7181	47180	7181	1974.801	127.609	-1.067	-0.583	-23.576	-1166.11
47181_7181	47181	7181	-1974.77	-174.561	-3.76	2.68	23.576	1166.02
47181_7182	47181	7182	1974.771	193.316	3.76	-2.68	5.568	-2591.56
47182_7182	47182	7182	-1974.77	-193.316	-3.76	2.68	-5.568	2591.564
47182_7183	47182	7183	1974.771	212.07	3.76	-2.68	34.712	-4162.46
47183_7183	47183	7183	-1974.77	-212.07	-6.04	-2.982	-34.712	4142.601
47183_7184	47183	7184	1974.766	236.876	6.04	2.982	92.096	-6275.14
47184_7184	47184	7184	104.399	474.226	2.235	5.059	-17.159	21166.23
47184_7185	47184	7185	-99.935	-436.099	-2.235	-5.059	-10.92	-15440.1
47185_7185	47185	7185	87.825	438.716	2.273	-7.504	12.201	15440.07
47185_7186	47185	7186	-84.626	-402.846	-2.273	7.504	-40.7	-10161.1
47186_7186	47186	7186	70.426	358	-1.4	-1.897	40.084	10161.14
47186_7187	47186	7187	-68.218	-321.762	1.4	1.897	-21.498	-5650.77
47187_7187	47187	7187	58.234	323.656	-1.368	-3.523	21.464	5656.89
47187_7188	47187	7188	-57.276	-294.437	1.368	3.523	-5.387	-2024.24
47188_7188	47188	7188	50.78	239.805	-0.33	-2.184	5.344	2024.239
47188_7189	47188	7189	-50.549	-219.492	0.33	2.184	-2.619	-129.564
47189_7189	47189	7189	48.245	220.079	-0.283	-2.28	2.589	136.514
47189_7190	47189	7190	-48.245	-185.823	0.283	2.28	1.308	2654.109
47190_7190	47190	7190	48.245	141.999	-0.284	-1.757	-1.308	-2654.1
47190_7191	47190	7191	-48.245	-114.594	0.284	1.757	4.429	4065.381
47191_7191	47191	7191	48.245	114.594	-0.284	-1.757	-4.429	-4065.38
47191_7192	47191	7192	-48.245	-87.188	0.284	1.757	7.549	5175.198
47192_7192	47192	7192	48.246	47.992	-0.593	-0.637	-7.549	-5175.18
47192_7193	47192	7193	-48.246	-23.129	0.593	0.637	13.469	5530.082
47193_7193	47193	7193	48.246	23.129	-0.593	-0.664	-13.469	-5530.08
47193_7194	47193	7194	-48.246	1.76	0.593	0.664	19.398	5636.819
47194_7194	47194	7194	48.242	-37.33	-0.038	3.04	-19.398	-5636.83

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47194_7195	47194	7195	-48.242	62.218	0.038	-3.04	19.773	5139.582
47195_7195	47195	7195	48.242	-62.218	-0.086	-2.105	-19.773	-5139.58
47195_7196	47195	7196	-48.242	87.107	0.086	2.105	20.631	4393.692
47196_7196	47196	7196	48.234	-126.711	0.648	1.554	-20.631	-4393.67
47196_7197	47196	7197	-48.234	154.116	-0.648	-1.554	13.503	2849.103
47197_7197	47197	7197	48.234	-154.116	0.648	1.554	-13.503	-2849.1
47197_7198	47197	7198	-48.234	181.521	-0.648	-1.554	6.376	1003.075
47198_7198	47198	7198	48.238	-223.129	0.328	1.416	-6.376	-1003.08
47198_7199	47198	7199	-48.238	257.36	-0.328	-1.416	1.87	-2297.94
47199_7199	47199	7199	51.397	-256.753	0.281	3.716	-1.839	2283.495
47199_7200	47199	7200	-51.642	277.907	-0.281	-3.716	-0.479	-4489.1
47200_7200	47200	7200	59.655	-327.468	0.461	4.962	0.59	4489.139
47200_7201	47200	7201	-60.672	357.884	-0.461	-4.962	-6.004	-8517.58
47201_7201	47201	7201	71.029	-355.963	0.506	-2.124	5.702	8518.728
47201_7202	47201	7202	-73.531	396.467	-0.506	2.124	-12.409	-13512
47202_7202	47202	7202	89.611	-446.144	-2.649	9.712	13.435	13511.98
47202_7203	47202	7203	-93.21	486.038	2.649	-9.712	19.778	-19360.7
47203_7203	47203	7203	106.734	-483.24	-2.611	-5.151	-21.35	19360.7
47203_7204	47203	7204	-111.716	525.392	2.611	5.151	54.154	-25707.3
47204_7204	47204	7204	-2187.51	277.159	-2.163	2.89	29.153	8724.728
47204_7205	47204	7205	2187.505	-249.295	2.163	-2.89	-8.607	-6224.04
47205_7205	47205	7205	-2187.5	249.295	-4.762	-4.833	8.607	5981.404
47205_7206	47205	7206	2187.501	-228.045	4.762	4.833	28.302	-4131.67
47206_7206	47206	7206	-2187.51	228.045	-1.94	0.498	-28.302	4131.676
47206_7207	47206	7207	2187.505	-206.795	1.94	-0.498	43.336	-2446.65
47207_7207	47207	7207	-2187.52	155.629	-0.369	0.603	-43.336	2446.654
47207_7208	47207	7208	2187.519	-133.694	0.369	-0.603	46.291	-1289.35
47208_7208	47208	7208	-2187.52	133.694	-0.369	0.603	-46.291	1289.345
47208_7209	47208	7209	2187.519	-111.759	0.369	-0.603	49.245	-307.519
47209_7209	47209	7209	-2187.52	111.759	-3.104	0.219	-49.245	307.519
47209_7210	47209	7210	2187.517	-89.824	3.104	-0.219	74.075	498.829
47210_7210	47210	7210	-2187.54	38.928	1.151	0.501	-74.075	-498.808
47210_7211	47210	7211	2187.536	-22.476	-1.151	-0.501	67.17	683.022
47211_7211	47211	7211	-2187.54	22.476	1.151	0.501	-67.17	-683.022
47211_7212	47211	7212	2187.536	-6.025	-1.151	-0.501	60.265	768.528
47212_7212	47212	7212	-2187.54	6.025	-2.495	1.782	-60.265	-768.526
47212_7213	47212	7213	2187.535	10.426	2.495	-1.782	75.234	755.322
47213_7213	47213	7213	-2187.54	-10.426	1.151	0.523	-75.234	-755.324
47213_7214	47213	7214	2187.536	26.878	-1.151	-0.523	68.329	643.411
47214_7214	47214	7214	-2187.55	-78.834	2.539	1.648	-68.329	-643.388
47214_7215	47214	7215	2187.553	100.769	-2.539	-1.648	48.019	-75.033
47215_7215	47215	7215	-2187.55	-100.769	2.539	1.648	-48.019	75.033
47215_7216	47215	7216	2187.553	122.704	-2.539	-1.648	27.709	-968.937
47216_7216	47216	7216	-2187.55	-122.704	-0.196	0.437	-27.709	968.939
47216_7217	47216	7217	2187.554	144.639	0.196	-0.437	29.274	-2038.33
47217_7217	47217	7217	-2187.58	-196.294	4.962	-15.153	-29.274	2038.129
47217_7218	47217	7218	2187.584	217.543	-4.962	15.153	-9.185	-3641.77
47218_7218	47218	7218	-2187.58	-217.543	4.962	-15.153	9.185	3641.769
47218_7219	47218	7219	2187.584	238.793	-4.962	15.153	-47.644	-5410.1
47219_7219	47219	7219	-2187.44	-238.793	25.463	38.319	47.644	5660.7
47219_7220	47219	7220	2187.441	266.657	-25.463	-38.319	-289.548	-8061.61
47220_7220	47220	7220	93.855	525.056	2.57	-29.905	-23.526	24937.68
47220_7221	47220	7221	-88.873	-482.935	-2.57	29.905	-8.774	-18600.3

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47221_7221	47221	7221	75.387	485.254	2.471	28.91	2.39	18600.28
47221_7222	47221	7222	-71.788	-445.354	-2.471	-28.91	-33.391	-12761
47222_7222	47222	7222	56.241	400.92	0.365	-5.155	36.34	12762.26
47222_7223	47222	7223	-53.739	-360.406	-0.365	5.155	-41.16	-7708.98
47223_7223	47223	7223	42.488	361.749	0.274	22.848	40.33	7677.024
47223_7224	47223	7224	-41.418	-329.762	-0.274	-22.848	-43.557	-3614.94
47224_7224	47224	7224	34.034	273.083	0.606	-4.454	44.055	3615.637
47224_7225	47224	7225	-33.776	-250.804	-0.606	4.454	-49.054	-1453.62
47225_7225	47225	7225	31.076	251.275	0.492	0.418	49.065	1461.481
47225_7226	47225	7226	-31.076	-209.419	-0.492	-0.418	-56.428	1986.353
47226_7226	47226	7226	31.071	160.191	-0.223	6.504	56.428	-1986.46
47226_7227	47226	7227	-31.071	-127.704	0.223	-6.504	-53.836	3658.784
47227_7227	47227	7227	31.07	127.704	-0.331	-6.208	53.836	-3658.79
47227_7228	47227	7228	-31.07	-95.241	0.331	6.208	-49.993	4952.878
47228_7228	47228	7228	31.072	47.306	-1.493	11.902	49.993	-4952.76
47228_7229	47228	7229	-31.072	-14.839	1.493	-11.902	-32.656	5313.518
47229_7229	47229	7229	31.065	14.839	-1.627	-10.956	32.656	-5313.52
47229_7230	47229	7230	-31.065	17.634	1.627	10.956	-13.763	5297.295
47230_7230	47230	7230	30.933	-68.959	6.23	8.773	13.763	-5296.77
47230_7231	47230	7231	-30.933	102.836	-6.23	-8.773	-89.236	4256.132
47231_7231	47231	7231	30.958	-102.836	6.104	-8.579	89.236	-4256.13
47231_7232	47231	7232	-30.958	136.749	-6.104	8.579	-163.257	2803.357
47232_7232	47232	7232	31.107	-183.378	-5.155	6.584	163.257	-2803.01
47232_7233	47232	7233	-31.107	191.948	5.155	-6.584	-147.458	2227.871
47233_7233	47233	7233	32.898	-191.6	-5.204	2.052	147.483	-2227.87
47233_7234	47233	7234	-33.044	208.61	5.204	-2.052	-116.467	1035.273
47234_7234	47234	7234	36.581	-207.929	-5.248	-0.92	116.429	-1035.28
47234_7235	47234	7235	-37.166	231.968	5.248	0.92	-72.426	-809.339
47235_7235	47235	7235	40.91	-231.252	-5.298	-0.626	72.401	809.337
47235_7236	47235	7236	-41.557	247.604	5.298	0.626	-42.402	-2165.67
47236_7236	47236	7236	43.884	-304.328	5.577	-5.665	42.202	2171.162
47236_7237	47236	7237	-46.042	341.419	-5.577	5.665	-102.051	-5638.18
47237_7237	47237	7237	54.028	-340.349	5.502	5.348	103.052	5657.86
47237_7238	47237	7238	-56.824	375.155	-5.502	-5.348	-155.343	-9064.05
47238_7238	47238	7238	67.943	-402.412	-1.5	-19.891	153.082	9062.175
47238_7239	47238	7239	-71.541	437.947	1.5	19.891	-139.059	-13024.7
47239_7239	47239	7239	71.14	-438.041	-1.571	15.593	142.729	13024.66
47239_7240	47239	7240	-75.256	478.952	1.571	-15.593	-126.409	-17824.6
47240_7240	47240	7240	-2006.5	307.977	-55.722	-7.403	1066.411	5565.065
47240_7241	47240	7241	2006.499	-281.234	55.722	7.403	-635.624	-3287.46
47241_7241	47241	7241	-2006.68	281.234	-48.85	3.283	635.624	3299.855
47241_7242	47241	7242	2006.678	-252.075	48.85	-3.283	-217.686	-1018.5
47242_7242	47242	7242	-2006.78	252.075	-44.686	5.397	217.686	1018.486
47242_7243	47242	7243	2006.776	-224.108	44.686	-5.397	148.994	935.24
47243_7243	47243	7243	-2008.06	166.28	-14.558	3.254	-148.994	-935.256
47243_7244	47243	7244	2008.062	-131.741	14.558	-3.254	296.526	2445.332
47244_7244	47244	7244	-2008.09	131.741	-9.795	-2.546	-296.526	-2445.33
47244_7245	47244	7245	2008.091	-99.384	9.795	2.546	389.519	3542.453
47245_7245	47245	7245	-2007.68	54.537	-12.928	5.587	-389.519	-3541.54
47245_7246	47245	7246	2007.681	-19.296	12.928	-5.587	523.197	3923.261
47246_7246	47246	7246	-2007.71	19.296	-7.83	-4.374	-523.197	-3923.26
47246_7247	47246	7247	2007.708	12.326	7.83	4.374	595.847	3955.594
47247_7247	47247	7247	-2007.77	-64.005	-2.208	7.981	-595.847	-3954.88

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47247_7248	47247	7248	2007.77	96.009	2.208	-7.981	616.578	3203.582
47248_7248	47248	7248	-2007.76	-96.009	5.962	-5.055	-616.578	-3203.59
47248_7249	47248	7249	2007.762	130.903	-5.962	5.055	555.536	2042.027
47249_7249	47249	7249	-2008.1	-177.847	23.282	1.67	-555.536	-2041.6
47249_7250	47249	7250	2008.097	211.892	-23.282	-1.67	322.967	95.012
47250_7250	47250	7250	-2008.03	-211.892	28.647	1.417	-322.967	-95.017
47250_7251	47250	7251	2008.028	244.714	-28.647	-1.417	47.097	-2103.54
47251_7251	47251	7251	-2006.99	-294.466	-8.428	-44.167	-47.097	2102.33
47251_7252	47251	7252	2006.992	320.884	8.428	44.167	112.425	-4487.24
47252_7252	47252	7252	-2007.01	-320.884	0.086	-25.104	-112.425	4485.806
47252_7253	47252	7253	2007.01	353.729	-0.086	25.104	111.611	-7688.52
47253_7253	47253	7253	44.502	488.106	-40.583	90.479	31.179	19619.5
47253_7254	47253	7254	-40.998	-459.539	40.583	-90.479	265.506	-16157.3
47254_7254	47254	7254	24.028	397.483	26.134	-11.304	-252.311	16154.24
47254_7255	47254	7255	-19.553	-353.542	-26.134	11.304	-52.03	-11783.5
47255_7255	47255	7255	11.194	353.95	26.174	15.389	49.402	11783.46
47255_7256	47255	7256	-8.33	-317.259	-26.174	-15.389	-312.918	-8405.69
47256_7256	47256	7256	-0.267	276.538	-12.026	-8.85	314.342	8405.203
47256_7257	47256	7257	2.165	-243.09	12.026	8.85	-201.288	-5963.06
47257_7257	47257	7257	-6.796	243.029	-11.99	0.111	200.505	5956.876
47257_7258	47257	7258	7.607	-221.623	11.99	-0.111	-114.809	-4296.45
47258_7258	47258	7258	-10.675	221.564	-11.97	3.842	114.648	4296.455
47258_7259	47258	7259	11.05	-206.388	11.97	-3.842	-53.607	-3205.31
47259_7259	47259	7259	-14.554	152.607	-0.546	-6.858	53.724	3065.262
47259_7260	47259	7260	14.807	-128.784	0.546	6.858	-49.492	-1973.48
47260_7260	47260	7260	-16.452	128.901	-0.496	-1.025	49.499	1963.498
47260_7261	47260	7261	16.452	-102.677	0.496	1.025	-45.197	-958.45
47261_7261	47261	7261	-16.452	102.677	-0.477	0.062	45.197	958.451
47261_7262	47261	7262	16.452	-78.337	0.477	-0.062	-41.355	-229.317
47262_7262	47262	7262	-16.458	12.523	-1.135	-2.477	41.355	229.322
47262_7263	47262	7263	16.458	22.468	1.135	2.477	-28.211	-286.917
47263_7263	47263	7263	-16.46	-22.468	-1.1	-1.865	28.211	286.921
47263_7264	47263	7264	16.46	57.134	1.1	1.865	-15.591	-743.593
47264_7264	47264	7264	-16.478	-111.082	-2.196	-6.462	15.591	743.678
47264_7265	47264	7265	16.478	146.469	2.196	6.462	10.135	-2251.97
47265_7265	47265	7265	-16.486	-146.469	-2.136	1.731	-10.135	2251.981
47265_7266	47265	7266	16.486	180.745	2.136	-1.731	34.372	-4108.07
47266_7266	47266	7266	-16.445	-237.919	0.636	-14.721	-34.372	4108.656
47266_7267	47266	7267	16.445	272.576	-0.636	14.721	27.075	-7036.54
47267_7267	47267	7267	-16.443	-272.576	0.686	6.554	-27.075	7036.548
47267_7268	47267	7268	16.443	307.553	-0.686	-6.554	19.135	-10394.6
47268_7268	47268	7268	-16.47	-374.908	-0.223	-44.12	-19.135	10396.1
47268_7269	47268	7269	16.47	386.979	0.223	44.12	20.024	-11918.1
47269_7269	47269	7269	-11.905	-386.854	-0.182	-16.919	-20.178	11938.44
47269_7270	47269	7270	11.499	418.734	0.182	16.919	21.955	-15871.6
47270_7270	47270	7270	-2.912	-418.398	-0.139	24.435	-21.231	15871.61
47270_7271	47270	7271	1.742	452.157	0.139	-24.435	22.635	-20332.6
47271_7271	47271	7271	12.106	-512.999	-14.803	-61.364	-26.146	20363.77
47271_7272	47271	7272	-14.848	559.379	14.803	61.364	207.996	-26949.1
47272_7272	47272	7272	29.358	-558.455	-14.732	55.564	-201.151	26949.11
47272_7273	47272	7273	-33.557	607.244	14.732	-55.564	385.138	-34225.7
47273_7273	47273	7273	48.718	-625.248	27.95	-83.879	-397.728	34232.66
47273_7274	47273	7274	-51.096	647.697	-27.95	83.879	241.927	-37780.5

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47274_7274	47274	7274	60.563	-646.782	27.987	7.762	-233.455	37780.61
47274_7275	47274	7275	-64.587	680.093	-27.987	-7.762	8.273	-43118.3
47275_7275	47275	7275	-3199.39	474.561	35.668	62.483	648.226	14043.87
47275_7276	47275	7276	3199.39	-454.478	-35.668	-62.483	-844.373	-11489.4
47276_7276	47276	7276	-3202.29	386.326	-64.042	-23.932	844.373	13441.55
47276_7277	47276	7277	3202.285	-371.598	64.042	23.932	-588.317	-11926.4
47277_7277	47277	7277	-3202.39	371.598	-58.571	-8.952	588.317	12220.5
47277_7278	47277	7278	3202.39	-336.734	58.571	8.952	5.039	-8632.6
47278_7278	47278	7278	-3202.55	336.734	-49.363	15.869	-5.039	8632.592
47278_7279	47278	7279	3202.545	-304.998	49.363	-15.869	460.248	-5673.68
47279_7279	47279	7279	-3202.16	226.617	-17.686	-6.48	-460.248	5674.43
47279_7280	47279	7280	3202.163	-186.438	17.686	6.48	666.727	-3263.22
47280_7280	47280	7280	-3202.21	186.438	-4.305	7.156	-666.727	3263.22
47280_7281	47280	7281	3202.209	-144.514	4.305	-7.156	719.171	-1247.37
47281_7281	47281	7281	-3202.34	107.963	0.434	0.247	-719.171	1213.355
47281_7282	47281	7282	3202.335	-71.677	-0.434	-0.247	713.794	-100.183
47282_7282	47282	7282	-3202.32	71.677	9.486	0.53	-713.794	100.182
47282_7283	47282	7283	3202.321	-38.113	-9.486	-0.53	605.05	529.102
47283_7283	47283	7283	-3202.84	-62.263	-5.733	-0.313	-605.05	-529.377
47283_7284	47283	7284	3202.844	93.609	5.733	0.313	666.432	-305.018
47284_7284	47284	7284	-3202.84	-93.609	7.282	0.927	-666.432	305.016
47284_7285	47284	7285	3202.841	122.055	-7.282	-0.927	595.68	-1352.67
47285_7285	47285	7285	-3203.17	-183.286	100.057	-10.276	-595.68	1352.546
47285_7286	47285	7286	3203.167	207.207	-100.057	10.276	-221.803	-2947.75
47286_7286	47286	7286	-3202.99	-207.207	105.532	-5.237	221.803	2947.76
47286_7287	47286	7287	3202.991	228.717	-105.532	5.237	-997.097	-4549.02
47287_7287	47287	7287	-3202.75	-228.717	112.659	-4.737	997.097	4259.182
47287_7288	47287	7288	3202.748	254.119	-112.659	4.737	-1899.88	-6193.76
47288_7288	47288	7288	99.995	864.926	-19.577	-24.133	306.177	31343.31
47288_7289	47288	7289	-95.568	-818.805	19.577	24.133	-57.26	-20642.5
47289_7289	47289	7289	82.662	820.213	-19.634	43.28	51.303	20642.47
47289_7290	47289	7290	-79.588	-781.876	19.634	-43.28	165.539	-11797.2
47290_7290	47290	7290	57.416	709.351	4.843	-7.242	-161.324	11799.17
47290_7291	47290	7291	-56.013	-684.443	-4.843	7.242	125.598	-6658.72
47291_7291	47291	7291	42.103	685.462	4.827	1.274	-125.96	6658.719
47291_7292	47291	7292	-41.062	-656.508	-4.827	-1.274	83.903	-813.223
47292_7292	47292	7292	29.238	657.159	4.754	6.805	-83.98	809.023
47292_7293	47292	7293	-29.018	-644.863	-4.754	-6.805	63.677	1971.408
47293_7293	47293	7293	20.072	589.823	-0.525	13.89	-63.578	-1971.57
47293_7294	47293	7294	-19.977	-569.318	0.525	-13.89	67.324	6108.631
47294_7294	47294	7294	17.35	569.411	-0.557	2.918	-67.263	-6108.65
47294_7295	47294	7295	-17.35	-544.736	0.557	-2.918	72.05	10897.18
47295_7295	47295	7295	17.349	544.736	-0.597	-21.865	-72.05	-10894.9
47295_7296	47295	7296	-17.349	-521.301	0.597	21.865	76.258	14654
47296_7296	47296	7296	17.43	449.15	3.705	30.594	-76.258	-14625.8
47296_7297	47296	7297	-17.43	-412.779	-3.705	-30.594	35.557	19360.62
47297_7297	47297	7297	17.44	412.779	3.659	-20.399	-35.557	-19360.6
47297_7298	47297	7298	-17.44	-375.06	-3.659	20.399	-6.128	23848.8
47298_7298	47298	7298	17.397	309.814	0.626	57.565	6.128	-23851.5
47298_7299	47298	7299	-17.397	-272.643	-0.626	-57.565	-13.152	27121.47
47299_7299	47299	7299	17.4	272.643	0.562	-41.449	13.152	-27121.5
47299_7300	47299	7300	-17.4	-230.913	-0.562	41.449	-20.237	30295.22
47300_7300	47300	7300	17.398	162.366	0.286	55.811	20.237	-30298.7

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47300_7301	47300	7301	-17.398	-122.027	-0.286	-55.811	-23.726	32031.4
47301_7301	47301	7301	17.399	122.027	0.23	-48.173	23.726	-32031.4
47301_7302	47301	7302	-17.399	-83.462	-0.23	48.173	-26.403	33228.28
47302_7302	47302	7302	17.413	13.741	0.953	61.928	26.403	-33231.6
47302_7303	47302	7303	-17.413	28.573	-0.953	-61.928	-38.584	33136.8
47303_7303	47303	7303	17.416	-28.573	0.888	-61.717	38.584	-33136.8
47303_7304	47303	7304	-17.416	65.155	-0.888	61.717	-48.397	32618.95
47304_7304	47304	7304	17.42	-136.335	0.876	59.859	48.397	-32622.6
47304_7305	47304	7305	-17.42	174.587	-0.876	-59.859	-58.52	30826.3
47305_7305	47305	7305	17.423	-174.587	0.814	-49.612	58.52	-30826.3
47305_7306	47305	7306	-17.423	215.201	-0.814	49.612	-68.508	28435.34
47306_7306	47306	7306	17.397	-289.804	-1.027	51.602	68.508	-28438.1
47306_7307	47306	7307	-17.397	329.151	1.027	-51.602	-56.297	24759.84
47307_7307	47307	7307	17.393	-329.151	-1.097	-47.469	56.297	-24759.8
47307_7308	47307	7308	-17.393	368.677	1.097	47.469	-43.199	20594
47308_7308	47308	7308	17.574	-457.451	11.488	31.817	43.199	-20595.7
47308_7309	47308	7309	-17.574	497.18	-11.488	-31.817	-181.061	14867.56
47309_7309	47309	7309	17.623	-497.18	11.413	-30.926	181.061	-14867.6
47309_7310	47309	7310	-17.623	536.302	-11.413	30.926	-315.939	8760.949
47310_7310	47310	7310	17.158	-637.466	-23.619	0.459	315.939	-8761.5
47310_7311	47310	7311	-17.158	681.749	23.619	-0.459	0	-61.633
48000_8000	48000	8000	-1.171	9.835	-9.603	-4.207	0	0.513
48000_8001	48000	8001	1.171	5.367	9.603	4.207	90.328	20.499
48001_8001	48001	8001	-1.165	-5.367	-9.604	-4.195	-90.328	-20.502
48001_8002	48001	8002	1.165	20.146	9.604	4.195	178.149	-96.15
48002_8002	48002	8002	-1.144	20.349	7.558	-5.093	-178.149	96.073
48002_8003	48002	8003	1.144	-0.793	-7.558	5.093	86.696	31.842
48003_8003	48003	8003	-1.151	0.793	7.557	-5.064	-86.696	-31.846
48003_8004	48003	8004	1.151	18.749	-7.557	5.064	-4.68	-76.713
48004_8004	48004	8004	-1.15	20.2	-1.227	-2.93	4.68	76.902
48004_8005	48004	8005	1.15	-0.639	1.227	2.93	10.165	49.21
48005_8005	48005	8005	-1.15	0.639	-1.227	-2.925	-10.165	-49.21
48005_8006	48005	8006	1.15	18.907	1.227	2.925	25	-61.253
48006_8006	48006	8006	-1.148	19.809	0.008	-1.599	-25	61.173
48006_8007	48006	8007	1.148	-0.247	-0.008	1.599	24.906	60.203
48007_8007	48007	8007	-1.148	0.247	0.008	-1.593	-24.906	-60.203
48007_8008	48007	8008	1.148	19.298	-0.008	1.593	24.814	-54.991
48008_8008	48008	8008	-1.148	19.426	0.027	0.055	-24.814	54.994
48008_8009	48008	8009	1.148	0.123	-0.027	-0.055	24.492	61.748
48009_8009	48009	8009	-1.148	-0.123	0.027	0.055	-24.492	-61.748
48009_8010	48009	8010	1.148	19.672	-0.027	-0.055	24.169	-57.973
48010_8010	48010	8010	-1.148	19.186	0.271	1.61	-24.169	58.162
48010_8011	48010	8011	1.148	0.379	-0.271	-1.61	20.885	55.681
48011_8011	48011	8011	-1.148	-0.379	0.271	1.616	-20.885	-55.681
48011_8012	48011	8012	1.148	19.928	-0.271	-1.616	17.604	-67.129
48012_8012	48012	8012	-1.142	18.719	1.575	2.685	-17.604	67.117
48012_8013	48012	8013	1.142	0.834	-1.575	-2.685	-1.455	41.071
48013_8013	48013	8013	-1.142	-0.834	1.575	2.685	1.455	-41.071
48013_8014	48013	8014	1.142	20.387	-1.575	-2.685	-20.515	-87.303
48014_8014	48014	8014	-1.144	17.69	-0.086	3.041	20.515	87.247
48014_8015	48014	8015	1.144	7.677	0.086	-3.041	-19.157	-8.668
48015_8015	48015	8015	-1.144	-7.677	-0.087	3.039	19.157	8.674
48015_8016	48015	8016	1.144	21.011	0.087	-3.039	-18.442	-127.025

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48016_8016	48016	8016	-1.154	19.522	1.195	2.25	18.442	127.791
48016_8017	48016	8017	1.154	-0.807	-1.195	-2.25	-32.479	-8.369
48017_8017	48017	8017	-1.154	0.807	1.195	2.252	32.479	8.369
48017_8018	48017	8018	1.154	20.296	-1.195	-2.252	-48.312	-137.471
48018_8018	48018	8018	-1.116	19.471	-4.094	1.391	48.312	137.594
48018_8019	48018	8019	1.116	0.447	4.094	-1.391	2.876	-18.648
48019_8019	48019	8019	-1.116	-0.447	-4.094	1.389	-2.876	18.649
48019_8020	48019	8020	1.116	20.348	4.094	-1.389	54.025	-148.56
48020_8020	48020	8020	-1.179	21.168	3.542	0.646	-54.025	148.603
48020_8021	48020	8021	1.179	-6.039	-3.542	-0.646	20.379	-19.393
48021_8021	48021	8021	-1.18	6.039	3.542	0.649	-20.379	19.394
48021_8022	48021	8022	1.18	6.318	-3.542	-0.649	-7.1	-20.478
48022_8022	48022	8022	-1.18	-6.318	3.542	0.646	7.1	20.478
48022_8023	48022	8023	1.18	18.66	-3.542	-0.646	-34.542	-117.24
48023_8023	48023	8023	-1.169	19.415	-1.145	0.074	34.542	117.206
48023_8024	48023	8024	1.169	-6.673	1.145	-0.074	-25.385	-12.856
48024_8024	48024	8024	-1.17	6.673	-1.143	0.09	25.385	12.856
48024_8025	48024	8025	1.17	6.068	1.143	-0.09	-16.241	-10.435
48025_8025	48025	8025	-1.169	-6.068	-1.145	0.077	16.241	10.435
48025_8026	48025	8026	1.169	18.81	1.145	-0.077	-7.084	-109.941
48026_8026	48026	8026	-1.173	18.956	-0.408	0.029	7.084	109.941
48026_8027	48026	8027	1.173	-9.392	0.408	-0.029	-4.634	-24.838
48027_8027	48027	8027	-1.173	9.392	-0.406	0.066	4.634	24.838
48027_8028	48027	8028	1.173	0.154	0.406	-0.066	-2.199	2.844
48028_8028	48028	8028	-1.173	-0.154	-0.408	0.07	2.199	-2.843
48028_8029	48028	8029	1.173	9.718	0.408	-0.07	0.25	-26.795
48029_8029	48029	8029	-1.173	-9.718	-0.406	0.115	-0.25	26.795
48029_8030	48029	8030	1.173	19.281	0.406	-0.115	2.688	-113.838
48030_8030	48030	8030	-1.171	18.386	0.564	0.141	-2.688	113.801
48030_8031	48030	8031	1.171	-5.65	-0.564	-0.141	-1.821	-17.711
48031_8031	48031	8031	-1.171	5.65	0.564	0.143	1.821	17.711
48031_8032	48031	8032	1.171	7.101	-0.564	-0.143	-6.336	-23.517
48032_8032	48032	8032	-1.17	-7.101	0.565	0.169	6.336	23.516
48032_8033	48032	8033	1.17	19.835	-0.565	-0.169	-10.855	-131.181
48033_8033	48033	8033	-1.184	18.654	-1.746	-0.272	10.855	131.201
48033_8034	48033	8034	1.184	-6.309	1.746	0.272	2.68	-34.462
48034_8034	48034	8034	-1.187	6.309	-1.745	-0.228	-2.68	34.462
48034_8035	48034	8035	1.187	6.035	1.745	0.228	16.202	-33.398
48035_8035	48035	8035	-1.186	-6.035	-1.745	-0.242	-16.202	33.398
48035_8036	48035	8036	1.186	21.165	1.745	0.242	32.781	-162.576
48036_8036	48036	8036	-1.161	20.891	2.394	-0.97	-32.781	162.639
48036_8037	48036	8037	1.161	-0.974	-2.394	0.97	2.853	-25.946
48037_8037	48037	8037	-1.161	0.974	2.393	-0.972	-2.853	25.946
48037_8038	48037	8038	1.161	18.927	-2.393	0.972	-27.05	-138.096
48038_8038	48038	8038	-1.187	15.056	-0.436	-2.057	27.05	138.254
48038_8039	48038	8039	1.187	6.051	0.436	2.057	-21.275	-78.587
48039_8039	48039	8039	-1.187	-6.051	-0.436	-1.848	21.275	77.718
48039_8040	48039	8040	1.187	24.421	0.436	1.848	-16.148	-256.809
48040_8040	48040	8040	-1.206	18.808	-2	-3.366	16.148	256.954
48040_8041	48040	8041	1.206	-5.918	2	3.366	0.351	-154.983
48041_8041	48041	8041	-1.205	5.918	-2.001	-3.441	-0.351	154.981
48041_8042	48041	8042	1.205	17.948	2.001	3.441	30.908	-246.839
48042_8042	48042	8042	-1.209	20.541	0.084	-2.398	-30.908	247.025

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48042_8043	48042	8043	1.209	-1.96	-0.084	2.398	29.912	-113.268
48043_8043	48043	8043	-1.209	1.96	0.084	-2.39	-29.912	113.268
48043_8044	48043	8044	1.209	16.637	-0.084	2.39	28.915	-200.591
48044_8044	48044	8044	-1.209	19.731	-0.254	-0.6	-28.915	200.302
48044_8045	48044	8045	1.209	-1.15	0.254	0.6	31.929	-76.178
48045_8045	48045	8045	-1.209	1.15	-0.255	-0.664	-31.929	76.177
48045_8046	48045	8046	1.209	17.433	0.255	0.664	34.956	-172.984
48046_8046	48046	8046	-1.208	19.225	0.12	1.253	-34.956	172.776
48046_8047	48046	8047	1.208	-0.652	-0.12	-1.253	33.528	-54.666
48047_8047	48047	8047	-1.209	0.652	0.119	1.211	-33.528	54.667
48047_8048	48047	8048	1.209	17.938	-0.119	-1.211	32.11	-157.468
48048_8048	48048	8048	-1.206	18.863	1.001	2.759	-32.11	157.352
48048_8049	48048	8049	1.206	-0.29	-1.001	-2.759	20.21	-43.545
48049_8049	48049	8049	-1.207	0.29	1	2.726	-20.21	43.547
48049_8050	48049	8050	1.207	18.3	-1	-2.726	8.311	-150.656
48050_8050	48050	8050	-1.202	17.595	0.752	3.541	-8.311	150.44
48050_8051	48050	8051	1.202	6.271	-0.752	-3.541	-3.168	-63.977
48051_8051	48051	8051	-1.202	-6.271	0.752	3.541	3.168	63.981
48051_8052	48051	8052	1.202	19.16	-0.752	-3.541	-9.368	-168.849
48052_8052	48052	8052	-1.196	20.472	0.316	2.544	9.368	168.918
48052_8053	48052	8053	1.196	-2.095	-0.316	-2.544	-13.085	-36.247
48053_8053	48053	8053	-1.196	2.095	0.315	2.483	13.085	36.261
48053_8054	48053	8054	1.196	17.966	-0.315	-2.483	-17.259	-141.36
48054_8054	48054	8054	-1.175	18.357	-3.267	1.609	17.259	141.499
48054_8055	48054	8055	1.175	0.587	3.267	-1.609	23.599	-30.38
48055_8055	48055	8055	-1.178	-0.587	-3.266	1.631	-23.599	30.378
48055_8056	48055	8056	1.178	19.515	3.266	-1.631	64.412	-155.977
48056_8056	48056	8056	-1.192	20.15	2.503	0.928	-64.412	155.941
48056_8057	48056	8057	1.192	-5.763	-2.503	-0.928	40.638	-32.879
48057_8057	48057	8057	-1.19	5.763	2.504	0.958	-40.638	32.88
48057_8058	48057	8058	1.19	5.979	-2.504	-0.958	21.227	-33.717
48058_8058	48058	8058	-1.19	-5.979	2.504	0.958	-21.227	33.717
48058_8059	48058	8059	1.19	17.722	-2.504	-0.958	1.815	-125.588
48059_8059	48059	8059	-1.178	18.885	0.494	0.513	-1.815	125.572
48059_8060	48059	8060	1.178	-6.767	-0.494	-0.513	-2.135	-22.957
48060_8060	48060	8060	-1.178	6.767	0.494	0.513	2.135	22.957
48060_8061	48060	8061	1.178	5.351	-0.494	-0.513	-6.085	-17.29
48061_8061	48061	8061	-1.178	-5.351	0.494	0.513	6.085	17.29
48061_8062	48061	8062	1.178	17.468	-0.494	-0.513	-10.035	-108.57
48062_8062	48062	8062	-1.181	18.35	0.661	0.584	10.035	108.332
48062_8063	48062	8063	1.181	-9.269	-0.661	-0.584	-14	-25.54
48063_8063	48063	8063	-1.181	9.269	0.661	0.584	14	25.54
48063_8064	48063	8064	1.181	-0.187	-0.661	-0.584	-17.966	2.807
48064_8064	48064	8064	-1.18	0.187	0.664	0.579	17.966	-2.808
48064_8065	48064	8065	1.18	8.908	-0.664	-0.579	-21.95	-23.373
48065_8065	48065	8065	-1.181	-8.908	0.661	0.538	21.95	23.374
48065_8066	48065	8066	1.181	17.989	-0.661	-0.538	-25.916	-104.002
48066_8066	48066	8066	-1.173	18.086	1.367	0.516	25.916	104.163
48066_8067	48066	8067	1.173	-5.957	-1.367	-0.516	-36.866	-7.902
48067_8067	48067	8067	-1.173	5.957	1.367	0.515	36.866	7.903
48067_8068	48067	8068	1.173	6.157	-1.367	-0.515	-47.801	-8.702
48068_8068	48068	8068	-1.174	-6.157	1.366	0.504	47.801	8.703
48068_8069	48068	8069	1.174	18.272	-1.366	-0.504	-58.726	-106.395

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48069_8069	48069	8069	-1.196	17.477	-2.903	-0.005	58.726	106.459
48069_8070	48069	8070	1.196	-5.743	2.903	0.005	-36.237	-16.52
48070_8070	48070	8070	-1.196	5.743	-2.903	-0.003	36.237	16.52
48070_8071	48070	8071	1.196	6.006	2.903	0.003	-13.719	-17.541
48071_8071	48071	8071	-1.192	-6.006	-2.905	-0.04	13.719	17.544
48071_8072	48071	8072	1.192	20.398	2.905	0.04	13.882	-142.983
48072_8072	48072	8072	-1.129	20.323	2.825	-0.746	-13.882	142.915
48072_8073	48072	8073	1.129	-1.401	-2.825	0.746	-21.414	-7.214
48073_8073	48073	8073	-1.131	1.401	2.824	-0.751	21.414	7.214
48073_8074	48073	8074	1.131	17.538	-2.824	0.751	-56.729	-108.106
48074_8074	48074	8074	-1.165	15.358	-0.505	-1.841	56.729	108.179
48074_8075	48074	8075	1.165	4.704	0.505	1.841	-50.043	-37.624
48075_8075	48075	8075	-1.165	-4.704	-0.505	-1.53	50.043	37.621
48075_8076	48075	8076	1.165	22.114	0.505	1.53	-44.108	-195.203
48076_8076	48076	8076	-1.187	17.607	-1.819	-2.916	44.108	195.255
48076_8077	48076	8077	1.187	-5.379	1.819	2.916	-29.093	-100.398
48077_8077	48077	8077	-1.188	5.379	-1.819	-2.861	29.093	100.403
48077_8078	48077	8078	1.188	15.127	1.819	2.861	-3.919	-167.866
48078_8078	48078	8078	-1.185	17.755	-0.286	-2.409	3.919	167.925
48078_8079	48078	8079	1.185	-1.195	0.286	2.409	-0.721	-62.018
48079_8079	48079	8079	-1.185	1.195	-0.287	-2.464	0.721	62.016
48079_8080	48079	8080	1.185	15.365	0.287	2.464	2.489	-141.216
48080_8080	48080	8080	-1.187	16.83	-0.34	-1.372	-2.489	141.226
48080_8081	48080	8081	1.187	-0.274	0.34	1.372	6.293	-45.654
48081_8081	48081	8081	-1.187	0.274	-0.34	-1.37	-6.293	45.654
48081_8082	48081	8082	1.187	16.296	0.34	1.37	10.1	-135.254
48082_8082	48082	8082	-1.186	18.064	-0.074	-0.037	-10.1	135.103
48082_8083	48082	8083	1.186	-0.277	0.074	0.037	10.992	-25.005
48083_8083	48083	8083	-1.186	0.277	-0.074	-0.036	-10.992	25.005
48083_8084	48083	8084	1.186	17.524	0.074	0.036	11.885	-128.627
48084_8084	48084	8084	-1.187	16.725	-0.083	1.301	-11.885	128.633
48084_8085	48084	8085	1.187	-0.173	0.083	-1.301	12.817	-34.234
48085_8085	48085	8085	-1.187	0.173	-0.083	1.303	-12.817	34.234
48085_8086	48085	8086	1.187	16.393	0.083	-1.303	13.75	-124.925
48086_8086	48086	8086	-1.186	16.273	0.722	2.318	-13.75	124.784
48086_8087	48086	8087	1.186	0.294	-0.722	-2.318	5.678	-35.441
48087_8087	48087	8087	-1.186	-0.294	0.722	2.317	-5.678	35.442
48087_8088	48087	8088	1.186	16.846	-0.722	-2.317	-2.386	-131.188
48088_8088	48088	8088	-1.184	14.314	0.299	2.868	2.386	131.176
48088_8089	48088	8089	1.184	5.422	-0.299	-2.868	-6.368	-71.945
48089_8089	48089	8089	-1.184	-5.422	0.299	2.894	6.368	71.947
48089_8090	48089	8090	1.184	17.64	-0.299	-2.894	-8.836	-167.051
48090_8090	48090	8090	-1.186	18.582	0.539	2.16	8.836	167.073
48090_8091	48090	8091	1.186	-1.174	-0.539	-2.16	-15.175	-51.002
48091_8091	48091	8091	-1.186	1.174	0.54	2.164	15.175	51.016
48091_8092	48091	8092	1.186	18.164	-0.54	-2.164	-22.329	-163.593
48092_8092	48092	8092	-1.17	17.992	-2.959	1.272	22.329	163.418
48092_8093	48092	8093	1.17	0.248	2.959	-1.272	14.651	-52.528
48093_8093	48093	8093	-1.17	-0.248	-2.959	1.272	-14.651	52.528
48093_8094	48093	8094	1.17	18.487	2.959	-1.272	51.631	-169.607
48094_8094	48094	8094	-1.18	19.294	2.544	0.575	-51.631	169.552
48094_8095	48094	8095	1.18	-5.436	-2.544	-0.575	27.47	-52.126
48095_8095	48095	8095	-1.178	5.436	2.545	0.614	-27.47	52.131

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48095_8096	48095	8096	1.178	5.882	-2.545	-0.614	7.734	-53.86
48096_8096	48096	8096	-1.182	-5.882	2.543	0.542	-7.734	53.861
48096_8097	48096	8097	1.182	17.185	-2.543	-0.542	-11.965	-143.195
48097_8097	48097	8097	-1.166	18.051	-0.405	0.096	11.965	143.185
48097_8098	48097	8098	1.166	-6.371	0.405	-0.096	-8.719	-45.448
48098_8098	48098	8098	-1.166	6.371	-0.407	0.038	8.719	45.448
48098_8099	48098	8099	1.166	5.296	0.407	-0.038	-5.465	-41.151
48099_8099	48099	8099	-1.166	-5.296	-0.405	0.091	5.465	41.151
48099_8100	48099	8100	1.166	16.976	0.405	-0.091	-2.22	-130.285
48100_8100	48100	8100	-1.165	17.57	0.118	0.022	2.22	130.307
48100_8101	48100	8101	1.165	-8.824	-0.118	-0.022	-2.928	-51.213
48101_8101	48101	8101	-1.165	8.824	0.118	0.025	2.928	51.213
48101_8102	48101	8102	1.165	-0.064	-0.118	-0.025	-3.638	-24.535
48102_8102	48102	8102	-1.165	0.064	0.118	0.025	3.638	24.535
48102_8103	48102	8103	1.165	8.697	-0.118	-0.025	-4.347	-50.449
48103_8103	48103	8103	-1.165	-8.697	0.12	0.109	4.347	50.449
48103_8104	48103	8104	1.165	17.457	-0.12	-0.109	-5.069	-128.95
48104_8104	48104	8104	-1.171	17.209	0.814	-0.001	5.069	128.792
48104_8105	48104	8105	1.171	-5.544	-0.814	0.001	-11.574	-37.851
48105_8105	48105	8105	-1.17	5.544	0.815	0.048	11.574	37.851
48105_8106	48105	8106	1.17	6.135	-0.815	-0.048	-18.1	-40.213
48106_8106	48106	8106	-1.17	-6.135	0.815	0.046	18.1	40.213
48106_8107	48106	8107	1.17	17.799	-0.815	-0.046	-24.617	-135.868
48107_8107	48107	8107	-1.182	17	-2.252	-0.468	24.617	135.9
48107_8108	48107	8108	1.182	-5.686	2.252	0.468	-7.153	-47.954
48108_8108	48108	8108	-1.182	5.686	-2.252	-0.468	7.153	47.954
48108_8109	48108	8109	1.182	5.629	2.252	0.468	10.311	-47.733
48109_8109	48109	8109	-1.184	-5.629	-2.251	-0.405	-10.311	47.731
48109_8110	48109	8110	1.184	19.483	2.251	0.405	31.681	-166.932
48110_8110	48110	8110	-1.169	19.204	2.659	-1.138	-31.681	167.012
48110_8111	48110	8111	1.169	-0.958	-2.659	1.138	-1.567	-40.959
48111_8111	48111	8111	-1.167	0.958	2.66	-1.105	1.567	40.96
48111_8112	48111	8112	1.167	17.288	-2.66	1.105	-34.825	-143.053
48112_8112	48112	8112	-1.196	14.499	-0.662	-2.145	34.825	143.092
48112_8113	48112	8113	1.196	4.828	0.662	2.145	-26.052	-79.05
48113_8113	48113	8113	-1.196	-4.828	-0.662	-1.957	26.052	79.032
48113_8114	48113	8114	1.196	21.94	0.662	1.957	-18.271	-236.338
48114_8114	48114	8114	-1.211	16.858	-1.427	-2.881	18.271	236.384
48114_8115	48114	8115	1.211	-4.845	1.427	2.881	-6.493	-146.843
48115_8115	48115	8115	-1.208	4.845	-1.43	-3.182	6.493	146.837
48115_8116	48115	8116	1.208	15.31	1.43	3.182	13.3	-219.271
48116_8116	48116	8116	-1.209	18.132	-0.005	-2.637	-13.3	219.29
48116_8117	48116	8117	1.209	-1.866	0.005	2.637	13.352	-107.582
48117_8117	48117	8117	-1.209	1.866	-0.004	-2.539	-13.352	107.584
48117_8118	48117	8118	1.209	14.415	0.004	2.539	13.392	-177.747
48118_8118	48118	8118	-1.21	17.017	-0.312	-1.494	-13.392	177.754
48118_8119	48118	8119	1.21	-0.737	0.312	1.494	16.876	-78.495
48119_8119	48119	8119	-1.21	0.737	-0.311	-1.425	-16.876	78.496
48119_8120	48119	8120	1.21	15.527	0.311	1.425	20.345	-161.107
48120_8120	48120	8120	-1.21	18.214	0.026	-0.04	-20.345	161.317
48120_8121	48120	8121	1.21	-0.726	-0.026	0.04	20.033	-47.57
48121_8121	48121	8121	-1.21	0.726	0.027	0	-20.033	47.57
48121_8122	48121	8122	1.21	16.762	-0.027	0	19.71	-143.876

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48122_8122	48122	8122	-1.21	16.815	0.022	1.478	-19.71	143.874
48122_8123	48122	8123	1.21	-0.536	-0.022	-1.478	19.465	-46.873
48123_8123	48123	8123	-1.21	0.536	0.023	1.519	-19.465	46.871
48123_8124	48123	8124	1.21	15.742	-0.023	-1.519	19.209	-131.874
48124_8124	48124	8124	-1.21	16.289	0.718	2.725	-19.209	131.881
48124_8125	48124	8125	1.21	-0.025	-0.718	-2.725	11.192	-40.763
48125_8125	48125	8125	-1.21	0.025	0.718	2.726	-11.192	40.763
48125_8126	48125	8126	1.21	16.254	-0.718	-2.726	3.168	-131.485
48126_8126	48126	8126	-1.208	14.27	1.382	3.314	-3.168	131.62
48126_8127	48126	8127	1.208	5.328	-1.382	-3.314	-15.44	-71.44
48127_8127	48127	8127	-1.209	-5.328	1.381	3.253	15.44	71.443
48127_8128	48127	8128	1.209	17.34	-1.381	-3.253	-26.838	-164.949
48128_8128	48128	8128	-1.213	18.452	0.987	2.478	26.838	164.773
48128_8129	48128	8129	1.213	-1.344	-0.987	-2.478	-38.434	-48.473
48129_8129	48129	8129	-1.211	1.344	0.989	2.49	38.434	48.486
48129_8130	48129	8130	1.211	17.955	-0.989	-2.49	-51.533	-158.535
48130_8130	48130	8130	-1.197	17.101	-5.852	1.89	51.533	158.386
48130_8131	48130	8131	1.197	1.105	5.852	-1.89	21.619	-58.411
48131_8131	48131	8131	-1.197	-1.105	-5.852	1.89	-21.619	58.411
48131_8132	48131	8132	1.197	19.311	5.852	-1.89	94.771	-186.009
48132_8132	48132	8132	-2.956	18.377	5.444	0.772	-94.771	154.166
48132_8133	48132	8133	2.956	-4.541	-5.444	-0.772	43.056	-45.307
48133_8133	48133	8133	-2.965	4.541	5.439	0.703	-43.056	45.308
48133_8134	48133	8134	2.965	6.747	-5.439	-0.703	0.903	-53.857
48134_8134	48134	8134	-2.958	-6.747	5.443	0.772	-0.903	53.856
48134_8135	48134	8135	2.958	18.035	-5.443	-0.772	-41.28	-149.885
48135_8135	48135	8135	-2.94	18.386	-1.072	0.32	41.28	150.086
48135_8136	48135	8136	2.94	-6.735	1.072	-0.32	-32.707	-49.602
48136_8136	48136	8136	-2.94	6.735	-1.072	0.32	32.707	49.602
48136_8137	48136	8137	2.94	4.917	1.072	-0.32	-24.135	-42.331
48137_8137	48137	8137	-2.939	-4.917	-1.075	0.267	24.135	42.332
48137_8138	48137	8138	2.939	16.569	1.075	-0.267	-15.533	-128.276
48138_8138	48138	8138	-2.941	17.48	-0.412	0.223	15.533	128.276
48138_8139	48138	8139	2.941	-8.742	0.412	-0.223	-13.058	-49.61
48139_8139	48139	8139	-2.942	8.742	-0.407	0.306	13.058	49.609
48139_8140	48139	8140	2.942	-0.003	0.407	-0.306	-10.613	-23.377
48140_8140	48140	8140	-2.941	0.003	-0.412	0.267	10.613	23.377
48140_8141	48140	8141	2.941	8.736	0.412	-0.267	-8.139	-49.578
48141_8141	48141	8141	-2.941	-8.736	-0.412	0.267	8.139	49.578
48141_8142	48141	8142	2.941	17.475	0.412	-0.267	-5.665	-128.212
48142_8142	48142	8142	-2.943	17.137	0.921	0.409	5.665	128.212
48142_8143	48142	8143	2.943	-5.485	-0.921	-0.409	-13.033	-37.726
48143_8143	48143	8143	-2.944	5.485	0.917	0.362	13.033	37.726
48143_8144	48143	8144	2.944	6.167	-0.917	-0.362	-20.371	-40.455
48144_8144	48144	8144	-2.943	-6.167	0.921	0.413	20.371	40.455
48144_8145	48144	8145	2.943	17.819	-0.921	-0.413	-27.739	-136.398
48145_8145	48145	8145	-2.937	16.798	-2.736	0.038	27.739	136.398
48145_8146	48145	8146	2.937	-5.511	2.736	-0.038	-6.533	-49.95
48146_8146	48146	8146	-2.934	5.511	-2.74	-0.026	6.533	49.95
48146_8147	48146	8147	2.934	5.777	2.74	0.026	14.702	-50.983
48147_8147	48147	8147	-2.936	-5.777	-2.738	0.025	-14.702	50.979
48147_8148	48147	8148	2.936	19.614	2.738	-0.025	40.712	-171.585
48148_8148	48148	8148	-2.946	19.515	3.119	-0.694	-40.712	171.584

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48148_8149	48148	8149	2.946	-1.31	-3.119	0.694	1.72	-41.427
48149_8149	48149	8149	-2.949	1.31	3.117	-0.727	-1.72	41.427
48149_8150	48149	8150	2.949	16.896	-3.117	0.727	-37.244	-138.845
48150_8150	48150	8150	-2.94	13.823	-0.792	-1.609	37.244	138.844
48150_8151	48150	8151	2.94	5.476	0.792	1.609	-26.745	-83.544
48151_8151	48151	8151	-2.941	-5.476	-0.791	-1.521	26.745	82.354
48151_8152	48151	8152	2.941	23.326	0.791	1.521	-17.451	-251.563
48152_8152	48152	8152	-2.939	17.229	-1.122	-2.429	17.451	251.56
48152_8153	48152	8153	2.939	-4.696	1.122	2.429	-8.198	-161.121
48153_8153	48153	8153	-2.94	4.696	-1.12	-2.306	8.198	161.114
48153_8154	48153	8154	2.94	16.193	1.12	2.306	7.196	-240.16
48154_8154	48154	8154	-2.941	18.785	-0.523	-1.763	-7.196	240.161
48154_8155	48154	8155	2.941	-2.074	0.523	1.763	12.95	-125.44
48155_8155	48155	8155	-2.94	2.074	-0.526	-1.877	-12.95	125.439
48155_8156	48155	8156	2.94	14.637	0.526	1.877	18.734	-194.539
48156_8156	48156	8156	-2.941	16.549	-0.31	-0.745	-18.734	194.542
48156_8157	48156	8157	2.941	-1.358	0.31	0.745	21.838	-105.006
48157_8157	48157	8157	-2.941	1.358	-0.31	-0.745	-21.838	105.006
48157_8158	48157	8158	2.941	13.834	0.31	0.745	24.942	-167.389
48158_8158	48158	8158	-2.942	15.331	0.082	0.53	-24.942	167.39
48158_8159	48158	8159	2.942	-0.139	-0.082	-0.53	24.126	-90.043
48159_8159	48159	8159	-2.942	0.139	0.079	0.44	-24.126	90.043
48159_8160	48159	8160	2.942	15.053	-0.079	-0.44	23.338	-164.614
48160_8160	48160	8160	-2.944	16.647	0.655	1.667	-23.338	164.779
48160_8161	48160	8161	2.944	0.064	-0.655	-1.667	16.128	-73.567
48161_8161	48161	8161	-2.944	-0.064	0.658	1.733	-16.128	73.565
48161_8162	48161	8162	2.944	16.774	-0.658	-1.733	8.888	-166.175
48162_8162	48162	8162	-2.945	15.39	1.206	2.467	-8.888	166.177
48162_8163	48162	8163	2.945	5.499	-1.206	-2.467	-7.692	-98.174
48163_8163	48163	8163	-2.946	-5.499	1.204	2.389	7.692	98.168
48163_8164	48163	8164	2.946	18.032	-1.204	-2.389	-17.623	-195.232
48164_8164	48164	8164	-2.944	19.561	1.007	1.956	17.623	195.228
48164_8165	48164	8165	2.944	-1.711	-1.007	-1.956	-29.455	-70.254
48165_8165	48165	8165	-2.945	1.711	1.006	1.89	29.455	70.648
48165_8166	48165	8166	2.945	18.955	-1.006	-1.89	-42.78	-184.889
48166_8166	48166	8166	-2.935	18.879	-4.606	1.092	42.78	184.735
48166_8167	48166	8167	2.935	0.617	4.606	-1.092	14.801	-70.593
48167_8167	48167	8167	-2.939	-0.617	-4.604	1.148	-14.801	70.592
48167_8168	48167	8168	2.939	20.113	4.604	-1.148	72.352	-200.149
48168_8168	48168	8168	-2.962	20.694	4.294	0.469	-72.352	200.004
48168_8169	48168	8169	2.962	-5.877	-4.294	-0.469	31.562	-73.792
48169_8169	48169	8169	-2.965	5.877	4.292	0.402	-31.562	73.788
48169_8170	48169	8170	2.965	6.211	-4.292	-0.402	-1.698	-75.08
48170_8170	48170	8170	-2.96	-6.211	4.295	0.499	1.698	75.08
48170_8171	48170	8171	2.96	18.298	-4.295	-0.499	-34.987	-170.051
48171_8171	48171	8171	-2.954	19.474	-0.867	-0.027	34.987	169.885
48171_8172	48171	8172	2.954	-6.997	0.867	0.027	-28.054	-64.001
48172_8172	48172	8172	-2.953	6.997	-0.87	-0.107	28.054	64.001
48172_8173	48172	8173	2.953	5.481	0.87	0.107	-21.091	-57.937
48173_8173	48173	8173	-2.954	-5.481	-0.867	-0.034	21.091	57.937
48173_8174	48173	8174	2.954	17.958	0.867	0.034	-14.158	-151.693
48174_8174	48174	8174	-2.956	18.85	0.089	-0.036	14.158	151.538
48174_8175	48174	8175	2.956	-9.492	-0.089	0.036	-14.689	-66.51

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48175_8175	48175	8175	-2.956	9.492	0.089	-0.036	14.689	66.51
48175_8176	48175	8176	2.956	-0.134	-0.089	0.036	-15.22	-37.631
48176_8176	48176	8176	-2.956	0.134	0.093	0.027	15.22	37.631
48176_8177	48176	8177	2.956	9.224	-0.093	-0.027	-15.781	-64.901
48177_8177	48177	8177	-2.956	-9.224	0.089	-0.082	15.781	64.901
48177_8178	48177	8178	2.956	18.582	-0.089	0.082	-16.312	-148.319
48178_8178	48178	8178	-2.959	18.44	1.109	-0.005	16.312	148.164
48178_8179	48178	8179	2.959	-5.963	-1.109	0.005	-25.182	-50.552
48179_8179	48179	8179	-2.958	5.963	1.112	0.058	25.182	50.552
48179_8180	48179	8180	2.958	6.515	-1.112	-0.058	-34.081	-52.76
48180_8180	48180	8180	-2.958	-6.515	1.112	0.058	34.081	52.76
48180_8181	48180	8181	2.958	18.992	-1.112	-0.058	-42.98	-154.787
48181_8181	48181	8181	-2.944	17.946	-4.494	-0.365	42.98	154.627
48181_8182	48181	8182	2.944	-5.858	4.494	0.365	-8.154	-62.386
48182_8182	48182	8182	-2.95	5.858	-4.49	-0.284	8.154	62.386
48182_8183	48182	8183	2.95	6.229	4.49	0.284	26.643	-63.824
48183_8183	48183	8183	-2.948	-6.229	-4.492	-0.299	-26.643	63.818
48183_8184	48183	8184	2.948	21.046	4.492	0.299	69.313	-193.376
48184_8184	48184	8184	-2.972	20.888	4.965	-0.969	-69.313	193.24
48184_8185	48184	8185	2.972	-1.392	-4.965	0.969	7.256	-53.994
48185_8185	48185	8185	-2.968	1.392	4.967	-0.925	-7.256	53.995
48185_8186	48185	8186	2.968	18.104	-4.967	0.925	-54.83	-158.449
48186_8186	48186	8186	-2.96	15.68	-1.203	-1.648	54.83	158.305
48186_8187	48186	8187	2.96	4.986	1.203	1.648	-38.891	-87.457
48187_8187	48187	8187	-2.959	-4.986	-1.204	-1.708	38.891	86.979
48187_8188	48187	8188	2.959	24.102	1.204	1.708	-24.743	-257.869
48188_8188	48188	8188	-2.961	19.343	-1.676	-2.826	24.743	257.686
48188_8189	48188	8189	2.961	-5.921	1.676	2.826	-10.913	-153.475
48189_8189	48189	8189	-2.96	5.921	-1.678	-2.919	10.913	153.492
48189_8190	48189	8190	2.96	16.449	1.678	2.919	12.157	-225.871
48190_8190	48190	8190	-2.959	19.606	-1.114	-2.503	-12.157	225.703
48190_8191	48190	8191	2.959	-1.71	1.114	2.503	24.405	-108.464
48191_8191	48191	8191	-2.96	1.71	-1.111	-2.405	-24.405	108.466
48191_8192	48191	8192	2.96	16.185	1.111	2.405	36.625	-188.081
48192_8192	48192	8192	-2.961	17.387	-0.361	-0.914	-36.625	187.91
48192_8193	48192	8193	2.961	-1.183	0.361	0.914	40.215	-95.433
48193_8193	48193	8193	-2.961	1.183	-0.361	-0.914	-40.215	95.433
48193_8194	48193	8194	2.961	15.037	0.361	0.914	43.81	-164.496
48194_8194	48194	8194	-2.966	16.132	0.381	0.788	-43.81	164.506
48194_8195	48194	8195	2.966	0.088	-0.381	-0.788	40.01	-84.522
48195_8195	48195	8195	-2.966	-0.088	0.381	0.788	-40.01	84.522
48195_8196	48195	8196	2.966	16.308	-0.381	-0.788	36.211	-166.252
48196_8196	48196	8196	-2.967	17.655	0.621	2.483	-36.211	166.092
48196_8197	48196	8197	2.967	0.241	-0.621	-2.483	29.375	-70.314
48197_8197	48197	8197	-2.967	-0.241	0.621	2.483	-29.375	70.314
48197_8198	48197	8198	2.967	18.136	-0.621	-2.483	22.539	-171.388
48198_8198	48198	8198	-2.97	16.405	1.038	3.481	-22.539	171.233
48198_8199	48198	8199	2.97	5.964	-1.038	-3.481	8.27	-99.451
48199_8199	48199	8199	-2.971	-5.964	1.036	3.404	-8.27	99.448
48199_8200	48199	8200	2.971	19.37	-1.036	-3.404	-0.264	-203.825
48200_8200	48200	8200	-2.96	21.094	0.308	2.815	0.264	204.003
48200_8201	48200	8201	2.96	-1.978	-0.308	-2.815	-3.878	-68.454
48201_8201	48201	8201	-2.96	1.978	0.306	2.738	3.878	68.695

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48201_8202	48201	8202	2.96	20.421	-0.306	-2.738	-7.936	-190.878
48202_8202	48202	8202	-2.918	20.342	-4.348	1.772	7.936	191.036
48202_8203	48202	8203	2.918	0.789	4.348	-1.772	46.415	-68.829
48203_8203	48203	8203	-2.918	-0.789	-4.348	1.772	-46.415	68.829
48203_8204	48203	8204	2.918	21.92	4.348	-1.772	100.766	-210.762
48204_8204	48204	8204	-3.016	22.41	3.864	0.987	-100.766	210.826
48204_8205	48204	8205	3.016	-6.35	-3.864	-0.987	64.056	-74.216
48205_8205	48205	8205	-3.014	6.35	3.866	1.004	-64.056	74.206
48205_8206	48205	8206	3.014	6.751	-3.866	-1.004	34.096	-75.759
48206_8206	48206	8206	-3.014	-6.751	3.866	1.004	-34.096	75.759
48206_8207	48206	8207	3.014	19.852	-3.866	-1.004	4.135	-178.847
48207_8207	48207	8207	-2.988	20.904	0.291	0.539	-4.135	179.002
48207_8208	48207	8208	2.988	-7.38	-0.291	-0.539	1.805	-65.867
48208_8208	48208	8208	-2.988	7.38	0.291	0.539	-1.805	65.867
48208_8209	48208	8209	2.988	6.144	-0.291	-0.539	-0.526	-60.923
48209_8209	48209	8209	-2.988	-6.144	0.291	0.539	0.526	60.923
48209_8210	48209	8210	2.988	19.668	-0.291	-0.539	-2.856	-164.168
48210_8210	48210	8210	-2.981	20.424	0.662	0.631	2.856	164.356
48210_8211	48210	8211	2.981	-10.281	-0.662	-0.631	-6.826	-72.243
48211_8211	48211	8211	-2.981	10.281	0.662	0.631	6.826	72.243
48211_8212	48211	8212	2.981	-0.138	-0.662	-0.631	-10.796	-40.987
48212_8212	48212	8212	-2.98	0.138	0.667	0.699	10.796	40.986
48212_8213	48212	8213	2.98	10.005	-0.667	-0.699	-14.796	-70.587
48213_8213	48213	8213	-2.981	-10.005	0.662	0.582	14.796	70.588
48213_8214	48213	8214	2.981	20.148	-0.662	-0.582	-18.766	-161.046
48214_8214	48214	8214	-2.963	20.079	1.135	0.858	18.766	161.239
48214_8215	48214	8215	2.963	-6.555	-1.135	-0.858	-27.844	-54.705
48215_8215	48215	8215	-2.963	6.555	1.135	0.858	27.844	54.705
48215_8216	48215	8216	2.963	6.969	-1.135	-0.858	-36.921	-56.364
48216_8216	48216	8216	-2.963	-6.969	1.135	0.858	36.921	56.364
48216_8217	48216	8217	2.963	20.493	-1.135	-0.858	-45.999	-166.218
48217_8217	48217	8217	-2.965	19.487	-3.654	0.865	45.999	166.205
48217_8218	48217	8218	2.965	-6.386	3.654	-0.865	-17.677	-65.946
48218_8218	48218	8218	-2.965	6.386	-3.654	0.865	17.677	65.946
48218_8219	48218	8219	2.965	6.716	3.654	-0.865	10.646	-67.226
48219_8219	48219	8219	-2.965	-6.716	-3.655	0.862	-10.646	67.224
48219_8220	48219	8220	2.965	22.776	3.655	-0.862	45.368	-207.31
48220_8220	48220	8220	-2.874	22.665	4.491	0.077	-45.368	207.35
48220_8221	48220	8221	2.874	-1.544	-4.491	-0.077	-10.748	-56.111
48221_8221	48221	8221	-2.874	1.544	4.491	0.076	10.748	56.111
48221_8222	48221	8222	2.874	19.593	-4.491	-0.076	-66.907	-168.953
48222_8222	48222	8222	-3.005	17.324	-2.069	-0.523	66.907	168.95
48222_8223	48222	8223	3.005	5.082	2.069	0.523	-39.48	-87.819
48223_8223	48223	8223	-3.004	-5.082	-2.07	0.086	39.48	86.368
48223_8224	48223	8224	3.004	25.774	2.07	-0.086	-15.176	-267.553
48224_8224	48224	8224	-2.96	21.291	0.292	-1.636	15.176	267.48
48224_8225	48224	8225	2.96	-6.762	-0.292	1.636	-17.58	-151.818
48225_8225	48225	8225	-2.959	6.762	0.295	-1.47	17.58	151.807
48225_8226	48225	8226	2.959	19.193	-0.295	1.47	-21.924	-243.369
48226_8226	48226	8226	-2.978	21.503	-1.191	-0.847	21.924	243.307
48226_8227	48226	8227	2.978	-1.261	1.191	0.847	-8.236	-112.546
48227_8227	48227	8227	-2.985	1.261	-1.173	-0.162	8.236	112.549
48227_8228	48227	8228	2.985	18.987	1.173	0.162	5.246	-214.395

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48228_8228	48228	8228	-2.969	20.505	2.957	0.221	-5.246	214.535
48228_8229	48228	8229	2.969	-0.251	-2.957	-0.221	-28.743	-95.245
48229_8229	48229	8229	-2.967	0.251	2.96	0.308	28.743	95.244
48229_8230	48229	8230	2.967	19.985	-2.96	-0.308	-62.736	-208.568
48230_8230	48230	8230	-2.968	21.456	2.793	0.626	62.736	208.592
48230_8231	48230	8231	2.968	-0.162	-2.793	-0.626	-96.49	-77.961
48231_8231	48231	8231	-2.944	0.162	2.818	1.274	96.49	77.953
48231_8232	48231	8232	2.944	21.124	-2.818	-1.274	-130.528	-204.574
48232_8232	48232	8232	-2.779	20.808	-18.527	3.539	130.528	204.693
48232_8233	48232	8233	2.779	2.885	18.527	-3.539	118.606	-84.192
48233_8233	48233	8233	-2.773	-2.885	-18.528	3.511	-118.606	84.193
48233_8234	48233	8234	2.773	20.257	18.528	-3.511	301.284	-198.281
48234_8234	48234	8234	-1.085	19.564	18.448	-0.812	-301.284	197.519
48234_8235	48234	8235	1.085	-1.802	-18.448	0.812	115.319	-89.832
48235_8235	48235	8235	-0.845	1.802	18.461	0.288	-115.319	89.792
48235_8236	48235	8236	0.845	15.833	-18.461	-0.288	-58.537	-155.859
48236_8236	48236	8236	-0.365	16.354	2.032	0.64	58.537	155.768
48236_8237	48236	8237	0.365	0.793	-2.032	-0.64	-77.141	-84.52
48237_8237	48237	8237	-0.383	-0.793	2.028	-0.098	77.141	84.523
48237_8238	48237	8238	0.383	20.143	-2.028	0.098	-98.102	-192.694
48238_8238	48238	8238	-0.012	23.141	-5.116	0.308	98.102	192.565
48238_8239	48238	8239	0.012	6.62	5.116	-0.308	-16.793	-61.281
48239_8239	48239	8239	-0.016	-6.62	-5.116	0.355	16.793	61.281
48239_8240	48239	8240	0.016	22.723	5.116	-0.355	27.2	-187.448
48240_8240	48240	8240	-0.351	20.963	2.537	-0.424	-27.2	187.403
48240_8241	48240	8241	0.351	-1.691	-2.537	0.424	1.087	-70.825
48241_8241	48241	8241	-0.352	1.691	2.537	-0.453	-1.087	70.824
48241_8242	48241	8242	0.352	15.795	-2.537	0.453	-22.604	-136.678
48242_8242	48242	8242	-0.243	17.631	-0.018	0.301	22.604	136.531
48242_8243	48242	8243	0.243	1.906	0.018	-0.301	-22.415	-54.497
48243_8243	48243	8243	-0.243	-1.906	-0.018	0.262	22.415	54.497
48243_8244	48243	8244	0.243	19.11	0.018	-0.262	-22.247	-151.04
48244_8244	48244	8244	-0.267	19.014	0.707	0.243	22.247	151.007
48244_8245	48244	8245	0.267	-1.331	-0.707	-0.243	-28.922	-54.951
48245_8245	48245	8245	-0.261	1.331	0.709	0.733	28.922	54.946
48245_8246	48245	8246	0.261	17.723	-0.709	-0.733	-36.139	-138.345
48246_8246	48246	8246	-0.276	15.876	1.076	0.569	36.139	138.514
48246_8247	48246	8247	0.276	2.746	-1.076	-0.569	-46.839	-73.225
48247_8247	48247	8247	-0.276	-2.746	1.076	0.549	46.839	73.225
48247_8248	48247	8248	0.276	20.877	-1.076	-0.549	-57.256	-187.592
48248_8248	48248	8248	-0.136	22.424	-4.672	0.1	57.256	187.665
48248_8249	48248	8249	0.136	0.056	4.672	-0.1	-1.173	-53.397
48249_8249	48249	8249	-0.192	-0.056	-4.67	0.741	1.173	53.392
48249_8250	48249	8250	0.192	23.453	4.67	-0.741	57.17	-200.259
48250_8250	48250	8250	-0.293	22.071	3.422	-0.558	-57.17	200.289
48250_8251	48250	8251	0.293	-1.272	-3.422	0.558	19.162	-70.647
48251_8251	48251	8251	-0.29	1.272	3.422	-0.491	-19.162	70.647
48251_8252	48251	8252	0.29	18.417	-3.422	0.491	-16.819	-160.787
48252_8252	48252	8252	-0.275	18.692	1.088	-1.064	16.819	160.73
48252_8253	48252	8253	0.275	3.975	-1.088	1.064	-29.988	-71.654
48253_8253	48253	8253	-0.269	-3.975	1.089	-0.722	29.988	71.658
48253_8254	48253	8254	0.269	21.806	-1.089	0.722	-40.359	-194.4
48254_8254	48254	8254	-0.269	18.994	-1.187	-3.832	40.359	194.202

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48254_8255	48254	8255	0.269	4.394	1.187	3.832	-26.311	-107.808
48255_8255	48255	8255	-0.268	-4.394	-1.187	-3.915	26.311	107.805
48255_8256	48255	8256	0.268	29.415	1.187	3.915	-11.28	-321.826
48256_8256	48256	8256	-0.271	23.319	-2.079	-3.773	11.28	321.839
48256_8257	48256	8257	0.271	-0.274	2.079	3.773	12.959	-184.279
48257_8257	48257	8257	-0.287	0.274	-2.077	-2.399	-12.959	184.302
48257_8258	48257	8258	0.287	22.255	2.077	2.399	36.633	-309.593
48258_8258	48258	8258	-0.299	20.95	-2.17	-2.43	-36.633	309.488
48258_8259	48258	8259	0.299	2.256	2.17	2.43	62.111	-199.73
48259_8259	48259	8259	-0.3	-2.256	-2.17	-2.386	-62.111	199.73
48259_8260	48259	8260	0.3	24.603	2.17	2.386	86.646	-351.593
48260_8260	48260	8260	-0.365	21.361	-6.308	-2.842	-86.646	351.767
48260_8261	48260	8261	0.365	-3.429	6.308	2.842	143.879	-239.298
48261_8261	48261	8261	-0.44	3.429	-6.303	0.025	-143.879	239.315
48261_8262	48261	8262	0.44	24.217	6.303	-0.025	232.05	-384.721
48262_8262	48262	8262	-0.109	25.37	5.403	-1.49	-232.05	384.538
48262_8263	48262	8263	0.109	-0.225	-5.403	1.49	163.308	-221.712
48263_8263	48263	8263	-0.114	0.225	5.403	-1.672	-163.308	221.71
48263_8264	48263	8264	0.114	21.717	-5.403	1.672	103.325	-341.016
48264_8264	48264	8264	-0.384	26.193	-6.593	1.797	-103.325	341.059
48264_8265	48264	8265	0.384	-2.32	6.593	-1.797	182.974	-168.836
48265_8265	48265	8265	-0.383	2.32	-6.593	1.772	-182.974	168.837
48265_8266	48265	8266	0.383	22.876	6.593	-1.772	267.035	-299.872
48266_8266	48266	8266	0.25	23.061	10.492	0.518	-267.035	299.859
48266_8267	48266	8267	-0.25	-2.352	-10.492	-0.518	157.091	-166.71
48267_8267	48267	8267	0.237	2.352	10.492	0.309	-157.091	166.711
48267_8268	48267	8268	-0.237	14.244	-10.492	-0.309	68.981	-216.641
48268_8268	48268	8268	0.015	21.291	1.233	0.071	-68.981	216.69
48268_8269	48268	8269	-0.015	4.235	-1.233	-0.071	53.299	-108.264
48269_8269	48269	8269	0.026	-4.235	1.233	0.961	-53.299	108.259
48269_8270	48269	8270	-0.026	25.204	-1.233	-0.961	40.418	-261.992
48270_8270	48270	8270	0.032	34.87	1.702	0.638	-40.418	261.902
48270_8271	48270	8271	-0.032	-11.392	-1.702	-0.638	20.521	8.588
48271_8271	48271	8271	0.033	11.392	1.702	0.635	-20.521	-8.588
48271_8272	48271	8272	-0.033	12.823	-1.702	-0.635	0	-0.04
48372_8372	48372	8372	32.487	10.498	-0.2	-0.018	0.14	-43.386
48372_8373	48372	8373	-32.487	8.025	0.2	0.018	2.337	58.717
48373_8373	48373	8373	60.552	-8.025	-0.202	0.015	-2.055	-95.979
48373_8374	48373	8374	-60.552	25.053	0.202	-0.015	4.359	-92.5
48374_8374	48374	8374	72.639	15.403	0.103	0.001	-3.887	76.49
48374_8375	48374	8375	-72.639	0.286	-0.103	-0.001	2.805	2.877
48375_8375	48375	8375	69.944	-0.286	0.089	0.002	-2.108	0.873
48375_8376	48375	8376	-69.944	14.635	-0.089	-0.002	1.25	-72.523
48376_8376	48376	8376	68.652	18.275	0.168	0.213	-0.851	74.807
48376_8377	48376	8377	-68.652	-1.018	-0.168	-0.213	-1.085	36.606
48377_8377	48377	8377	68.663	1.018	0.115	-0.216	1.452	-36.647
48377_8378	48377	8378	-68.663	17.215	-0.115	0.216	-2.86	-62.178
48378_8378	48378	8378	68.467	16.629	-0.193	0.004	3.351	62.434
48378_8379	48378	8379	-68.467	1.886	0.193	-0.004	-0.964	28.91
48379_8379	48379	8379	68.221	-1.886	-0.196	0.011	1.264	-28.373
48379_8380	48379	8380	-68.221	18.628	0.196	-0.011	0.932	-86.558
48380_8380	48380	8380	66.812	17.672	0.003	0.042	-0.702	87.663
48380_8381	48380	8381	-66.812	-2.134	-0.003	-0.042	0.672	15.319

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48381_8381	48381	8381	64.338	2.134	-0.032	-0.014	-0.348	-12.142
48381_8382	48381	8382	-64.338	12.614	0.032	0.014	0.668	-39.576
48382_8382	48382	8382	61.557	16.952	-0.025	0.041	-0.349	43.308
48382_8383	48382	8383	-61.557	-0.279	0.025	-0.041	0.633	52.833
48383_8383	48383	8383	58.429	0.277	-0.028	0.003	-0.472	-48.729
48383_8384	48383	8384	-58.429	16.936	0.028	-0.003	0.789	-47.227
48384_8384	48384	8384	67.912	17.323	-0.049	-0.001	0.115	30.034
48384_8385	48384	8385	-67.912	-0.799	0.049	0.001	0.436	71.007
48385_8385	48385	8385	57.535	0.799	-0.045	0.06	0.214	-56.461
48385_8386	48385	8386	-57.535	15.736	0.045	-0.06	0.287	-26.884
48386_8386	48386	8386	53.053	17.802	-0.016	0.256	0.145	32.816
48386_8387	48386	8387	-53.053	-1.385	0.016	-0.256	0.03	73.479
48387_8387	48387	8387	54.571	1.385	-0.028	-0.169	0.298	-75.743
48387_8388	48387	8388	-54.571	17.393	0.028	0.169	0.051	-25.692
48388_8388	48388	8388	56.021	17.628	-0.043	0.005	0.427	24.132
48388_8389	48388	8389	-56.021	0.266	0.043	-0.005	0.098	80.695
48389_8389	48389	8389	57.28	-0.266	-0.044	0.047	0.436	-82.543
48389_8390	48389	8390	-57.28	17.578	0.044	-0.047	0.082	-21.695
48390_8390	48390	8390	58.709	17.321	-0.042	0.24	0.466	19.79
48390_8391	48390	8391	-58.709	1.521	0.042	-0.24	0.065	80.668
48391_8391	48391	8391	60.225	-1.521	-0.081	-0.238	0.675	-82.81
48391_8392	48391	8392	-60.225	17.884	0.081	0.238	0.216	-24.339
48392_8392	48392	8392	61.8	17.154	-0.07	-0.012	0.7	21.842
48392_8393	48392	8393	-61.8	-0.284	0.07	0.012	0.101	77.423
48393_8393	48393	8393	63.617	0.284	-0.057	0.026	0.771	-79.899
48393_8394	48393	8394	-63.617	18.038	0.057	-0.026	-0.066	-29.866
48394_8394	48394	8394	65.768	16.541	-0.087	0.239	0.834	26.603
48394_8395	48394	8395	-65.768	1.074	0.087	-0.239	0.206	65.329
48395_8395	48395	8395	68.175	-1.074	-0.121	-0.249	0.697	-68.522
48395_8396	48395	8396	-68.175	18.635	0.121	0.249	0.739	-48.261
48396_8396	48396	8396	67.557	18.687	0.037	-0.039	0.234	49.55
48396_8397	48396	8397	-67.557	-0.925	-0.037	0.039	-0.678	67.99
48397_8397	48397	8397	63.851	0.925	0.038	0.009	1.514	-63.111
48397_8398	48397	8398	-63.851	16.495	-0.038	-0.009	-1.959	-28.41
48398_8398	48398	8398	40.618	18.591	-0.533	0.002	3.857	59.208
48398_8399	48398	8399	-40.618	-3.733	0.533	-0.002	1.486	52.718
48572_8572	48572	8572	-0.008	9.127	-0.256	0.593	0	0.001
48572_8573	48572	8573	0.008	9.401	0.256	-0.593	3.172	-1.7
48573_8573	48573	8573	-0.008	-9.401	-0.256	0.593	-3.172	1.7
48573_8574	48573	8574	0.008	26.315	0.256	-0.593	6.067	-203.85
48574_8574	48574	8574	0.023	16.189	0.573	0.343	-6.067	203.813
48574_8575	48574	8575	-0.023	-0.785	-0.573	-0.343	0.158	-116.312
48575_8575	48575	8575	0.024	0.785	0.573	0.461	-0.158	116.311
48575_8576	48575	8576	-0.024	13.404	-0.573	-0.461	-5.284	-176.225
48576_8576	48576	8576	-0.036	17.672	1.186	-0.246	5.284	175.862
48576_8577	48576	8577	0.036	-0.348	-1.186	0.246	-19.039	-71.398
48577_8577	48577	8577	-0.021	0.348	1.187	0.622	19.039	71.395
48577_8578	48577	8578	0.021	18.135	-1.187	-0.622	-33.718	-181.407
48578_8578	48578	8578	-0.104	17.555	-1.41	-0.609	33.718	181.514
48578_8579	48578	8579	0.104	0.556	1.41	0.609	-16.631	-78.49
48579_8579	48579	8579	-0.104	-0.556	-1.41	-0.658	16.631	78.49
48579_8580	48579	8580	0.104	17.58	1.41	0.658	-0.57	-181.808
48580_8580	48580	8580	-0.006	17.293	0.428	-1.022	0.57	182.664

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48580_8581	48580	8581	0.006	-2.056	-0.428	1.022	-4.93	-84.012
48581_8581	48581	8581	-0.003	2.056	0.428	-0.442	4.93	84.017
48581_8582	48581	8582	0.003	12.912	-0.428	0.442	-9.214	-138.392
48582_8582	48582	8582	-0.028	16.952	-0.606	-0.82	9.214	138.298
48582_8583	48582	8583	0.028	-0.743	0.606	0.82	-2.638	-42.322
48583_8583	48583	8583	-0.028	0.743	-0.606	-0.84	2.638	42.322
48583_8584	48583	8584	0.028	16.767	0.606	0.84	4.467	-136.215
48584_8584	48584	8584	-0.037	17.72	-1.085	-0.65	-4.467	136.177
48584_8585	48584	8585	0.037	-0.949	1.085	0.65	16.742	-30.523
48585_8585	48585	8585	-0.038	0.949	-1.084	-0.624	-16.742	30.524
48585_8586	48585	8586	0.038	15.233	1.084	0.624	28.585	-108.523
48586_8586	48586	8586	-0.008	17.471	0.658	0.031	-28.585	108.593
48586_8587	48586	8587	0.008	-1.262	-0.658	-0.031	21.391	-6.132
48587_8587	48587	8587	-0.004	1.262	0.658	0.075	-21.391	6.131
48587_8588	48587	8588	0.004	17.631	-0.658	-0.075	13.004	-110.483
48588_8588	48588	8588	-0.018	17.522	0.098	0.748	-13.004	109.541
48588_8589	48588	8589	0.018	0.196	-0.098	-0.748	11.838	-5.957
48589_8589	48589	8589	-0.018	-0.196	0.097	0.746	-11.838	5.957
48589_8590	48589	8590	0.018	17.561	-0.097	-0.746	10.696	-110.007
48590_8590	48590	8590	-0.011	17.164	0.43	1.433	-10.696	110.039
48590_8591	48590	8591	0.011	1.563	-0.43	-1.433	5.265	-11.454
48591_8591	48591	8591	-0.008	-1.563	0.43	1.512	-5.265	11.443
48591_8592	48591	8592	0.008	17.92	-0.43	-1.512	0.522	-118.975
48592_8592	48592	8592	-0.006	17.152	0.517	2.202	-0.522	119.489
48592_8593	48592	8593	0.006	-0.523	-0.517	-2.202	-5.282	-20.31
48593_8593	48593	8593	-0.006	0.523	0.517	2.202	5.282	20.31
48593_8594	48593	8594	0.006	17.929	-0.517	-2.202	-11.721	-128.684
48594_8594	48594	8594	-0.013	16.047	-0.122	2.699	11.721	129.218
48594_8595	48594	8595	0.013	1.576	0.122	-2.699	-10.269	-43.167
48595_8595	48595	8595	-0.014	-1.576	-0.122	3.035	10.269	43.144
48595_8596	48595	8596	0.014	19.036	0.122	-3.035	-8.831	-164.584
48596_8596	48596	8596	-0.027	19.436	-0.308	3.263	8.831	164.245
48596_8597	48596	8597	0.027	-1.714	0.308	-3.263	-5.147	-37.765
48597_8597	48597	8597	-0.027	1.714	-0.308	3.251	5.147	37.766
48597_8598	48597	8598	0.027	15.639	0.308	-3.251	-1.54	-119.302
48598_8598	48598	8598	0.041	22.674	-0.231	3.758	1.54	119.288
48598_8599	48598	8599	-0.041	-12.791	0.231	-3.758	0	-1.027
49000_9000	49000	9000	-5.798	394.255	9.114	3.745	0	-36.374
49000_9001	49000	9001	5.798	-366.276	-9.114	-3.745	-75.646	3192.596
49001_9001	49001	9001	-5.786	366.276	9.122	-0.714	75.646	-3192.6
49001_9002	49001	9002	5.786	-336.294	-9.122	0.714	-156.777	6316.952
49002_9002	49002	9002	-5.778	322.657	-7.676	8.43	156.777	-6316.95
49002_9003	49002	9003	5.778	-281.925	7.676	-8.43	-64.021	9969.586
49003_9003	49003	9003	-5.791	281.925	-7.666	-9.033	64.021	-9969.59
49003_9004	49003	9004	5.791	-241.169	7.666	9.033	28.668	13131.79
49004_9004	49004	9004	-5.791	219.679	1.273	13.137	-28.668	-13131.8
49004_9005	49004	9005	5.791	-178.961	-1.273	-13.137	13.296	15539.41
49005_9005	49005	9005	-5.788	178.961	1.283	-14.069	-13.296	-15539.4
49005_9006	49005	9006	5.788	-138.218	-1.283	14.069	-2.207	17456.18
49006_9006	49006	9006	-5.788	116.66	0.325	7.488	2.207	-17456.2
49006_9007	49006	9007	5.788	-75.922	-0.325	-7.488	-6.13	18619.86
49007_9007	49007	9007	-5.787	75.922	0.329	-7.788	6.13	-18619.9
49007_9008	49007	9008	5.787	-35.188	-0.329	7.788	-10.111	19291.17

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49008_9008	49008	9008	-5.787	13.368	-0.232	-1.255	10.111	-19291.2
49008_9009	49008	9009	5.787	27.387	0.232	1.255	-7.311	19206.41
49009_9009	49009	9009	-5.787	-27.387	-0.232	0.783	7.311	-19206.4
49009_9010	49009	9010	5.787	68.107	0.232	-0.783	-4.506	18629.64
49010_9010	49010	9010	-5.787	-91.023	0.972	14.287	4.506	-18629.7
49010_9011	49010	9011	5.787	131.769	-0.972	-14.287	-16.249	17283.18
49011_9011	49011	9011	-5.785	-131.769	0.981	-14.087	16.249	-17283.2
49011_9012	49011	9012	5.785	172.506	-0.981	14.087	-28.104	15444.64
49012_9012	49012	9012	-5.785	-194.614	0.378	10.831	28.104	-15444.7
49012_9013	49012	9013	5.785	235.347	-0.378	-10.831	-32.674	12846.95
49013_9013	49013	9013	-5.784	-235.347	0.388	-10.272	32.674	-12846.9
49013_9014	49013	9014	5.784	276.071	-0.388	10.272	-37.357	9757.729
49014_9014	49014	9014	-5.783	-297.402	2.102	7.521	37.357	-9757.72
49014_9015	49014	9015	5.783	349.804	-2.102	-7.521	-70.04	4727.213
49015_9015	49015	9015	-1.87	-349.852	2.112	-1.901	70.012	-4730.86
49015_9016	49015	9016	1.572	376.08	-2.112	1.901	-87.433	1736.413
49016_9016	49016	9016	7.073	-396.871	-2.18	-1.46	87.435	-1736.1
49016_9017	49016	9017	-8.306	434.456	2.18	1.46	-61.791	-3151.95
49017_9017	49017	9017	20.369	-434.065	-2.167	4.163	62.143	3151.768
49017_9018	49017	9018	-23.112	479.095	2.167	-4.163	-33.358	-9211.54
49018_9018	49018	9018	38.403	-500.426	1.506	-11.57	32.124	9211.35
49018_9019	49018	9019	-42.353	544.72	-1.506	11.57	-51.056	-15764.3
49019_9019	49019	9019	57.288	-543.354	1.515	13.397	53.758	15764.29
49019_9020	49019	9020	-62.764	590.139	-1.515	-13.397	-72.894	-22894.9
49020_9020	49020	9020	-2259.74	183.227	-21.344	-4.077	458.222	4483.068
49020_9021	49020	9021	2259.738	-152.221	21.344	4.077	-255.398	-2889.24
49021_9021	49021	9021	-2259.78	152.221	-16.142	1.413	255.398	2851.462
49021_9022	49021	9022	2259.781	-129.073	16.142	-1.413	-130.478	-1762.99
49022_9022	49022	9022	-2259.76	129.073	-18.38	-0.334	130.478	1762.989
49022_9023	49022	9023	2259.764	-105.863	18.38	0.334	12.156	-851.432
49023_9023	49023	9023	-2259.82	86.848	-4.917	-0.483	-12.156	851.426
49023_9024	49023	9024	2259.82	-62.921	4.917	0.483	51.491	-252.376
49024_9024	49024	9024	-2259.82	62.921	-4.917	-0.483	-51.491	252.376
49024_9025	49024	9025	2259.82	-38.994	4.917	0.483	90.827	155.266
49025_9025	49025	9025	-2259.82	35.354	-2.109	-0.676	-90.827	-155.266
49025_9026	49025	9026	2259.824	-11.43	2.109	0.676	107.699	342.368
49026_9026	49026	9026	-2259.82	-5.099	-5.385	0.044	-107.699	-342.367
49026_9027	49026	9027	2259.82	23.035	5.385	-0.044	139.987	258.015
49027_9027	49027	9027	-2259.83	-23.035	-1.23	-0.43	-139.987	-258.015
49027_9028	49027	9028	2259.826	40.996	1.23	0.43	147.375	65.753
49028_9028	49028	9028	-2259.83	-40.996	-1.638	-0.418	-147.375	-65.753
49028_9029	49028	9029	2259.826	58.929	1.638	0.418	157.196	-233.79
49029_9029	49029	9029	-2259.83	-58.929	-1.23	-0.376	-157.196	233.79
49029_9030	49029	9030	2259.826	76.89	1.23	0.376	164.583	-641.605
49030_9030	49030	9030	-2259.83	-93.669	1.412	-1.218	-164.583	641.61
49030_9031	49030	9031	2259.828	117.583	-1.412	1.218	153.293	-1486.12
49031_9031	49031	9031	-2259.83	-117.583	1.412	-1.218	-153.293	1486.124
49031_9032	49031	9032	2259.828	141.497	-1.412	1.218	142.003	-2521.84
49032_9032	49032	9032	-2259.82	-141.497	4.52	2.25	-142.003	2521.838
49032_9033	49032	9033	2259.824	165.438	-4.52	-2.25	105.828	-3750.22
49033_9033	49033	9033	-2259.79	-184.11	13.158	-4.881	-105.828	3750.258
49033_9034	49033	9034	2259.79	207.297	-13.158	4.881	3.822	-5267.44
49034_9034	49034	9034	-2259.79	-207.297	13.158	-4.881	-3.822	5267.436

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49034_9035	49034	9035	2259.79	230.485	-13.158	4.881	-98.185	-6964.37
49035_9035	49035	9035	-2259.75	-230.485	18.552	11.127	98.185	7003.19
49035_9036	49035	9036	2259.752	261.481	-18.552	-11.127	-274.425	-9339.94
49036_9036	49036	9036	39.773	505.324	-1.221	-30.424	31.954	28988.68
49036_9037	49036	9037	-34.297	-458.567	1.221	30.424	-16.542	-22929.1
49037_9037	49037	9037	21.648	459.312	-1.175	25.533	10.736	22929.11
49037_9038	49037	9038	-17.697	-414.994	1.175	-25.533	4.048	-17444.6
49038_9038	49038	9038	4.994	395.648	1.291	-7.457	-1.337	17445.02
49038_9039	49038	9039	-2.251	-350.639	-1.291	7.457	-15.809	-12495.3
49039_9039	49039	9039	-7.936	350.671	1.326	12.667	15.032	12536.92
49039_9040	49039	9040	9.17	-313.026	-1.326	-12.667	-30.628	-8634.28
49040_9040	49040	9040	-15.729	289.539	-0.637	-3.146	30.994	8634.681
49040_9041	49040	9041	16.027	-263.38	0.637	3.146	-25.743	-6354.41
49041_9041	49041	9041	-18.803	263.079	-0.639	-3.849	25.715	6366.215
49041_9042	49041	9042	18.803	-219.326	0.639	3.849	-16.054	-2719.31
49042_9042	49042	9042	-18.804	198.753	-0.658	-2.395	16.054	2719.315
49042_9043	49042	9043	18.804	-164.366	0.658	2.395	-8.236	-561.862
49043_9043	49043	9043	-18.805	164.366	-0.644	-1.968	8.236	561.863
49043_9044	49043	9044	18.805	-130.012	0.644	1.968	-0.595	1185.567
49044_9044	49044	9044	-18.806	105.36	-0.111	0.48	0.595	-1185.56
49044_9045	49044	9045	18.806	-70.982	0.111	-0.48	0.727	2233.042
49045_9045	49045	9045	-18.806	70.982	-0.096	-1.392	-0.727	-2233.04
49045_9046	49045	9046	18.806	-36.606	0.096	1.392	1.862	2872.074
49046_9046	49046	9046	-18.806	15.427	0.043	2.372	-1.862	-2872.07
49046_9047	49046	9047	18.806	18.943	-0.043	-2.372	1.354	2851.193
49047_9047	49047	9047	-18.806	-18.943	0.059	-0.019	-1.354	-2851.19
49047_9048	49047	9048	18.806	53.311	-0.059	0.019	0.659	2422.132
49048_9048	49048	9048	-18.806	-74.305	0.113	3.11	-0.659	-2422.14
49048_9049	49048	9049	18.806	108.667	-0.113	-3.11	-0.682	1335.763
49049_9049	49049	9049	-18.806	-108.667	0.129	1.989	0.682	-1335.77
49049_9050	49049	9050	18.806	143.027	-0.129	-1.989	-2.211	-158.532
49050_9050	49050	9050	-18.805	-163.079	1.535	2.749	2.211	158.529
49050_9051	49050	9051	18.805	206.874	-1.535	-2.749	-25.449	-2958.01
49051_9051	49051	9051	-16.343	-207.192	1.553	5.443	25.498	2954.269
49051_9052	49051	9052	16.065	231.663	-1.553	-5.443	-38.309	-4764.38
49052_9052	49052	9052	-10.216	-252.636	-1.179	4.4	38.365	4764.263
49052_9053	49052	9053	9.063	287.779	1.179	-4.4	-24.507	-7940.35
49053_9053	49053	9053	-0.842	-288.052	-1.175	2.835	24.585	7932.39
49053_9054	49053	9054	-1.871	332.473	1.175	-2.835	-8.976	-12050.9
49054_9054	49054	9054	13.139	-352.898	0.014	-4.584	8.371	12050.58
49054_9055	49054	9055	-17.034	396.473	-0.014	4.584	-8.582	-16750.9
49055_9055	49055	9055	28.017	-395.915	0.029	8.462	10.009	16750.87
49055_9056	49055	9056	-33.394	441.743	-0.029	-8.462	-10.424	-22019.2
49056_9056	49056	9056	-1943.6	245.245	-14.438	-6.006	218.144	7049.063
49056_9057	49056	9057	1943.597	-214.586	14.438	6.006	-81.001	-4865.13
49057_9057	49057	9057	-1943.62	214.586	-10.93	2.788	81.001	4831.524
49057_9058	49057	9058	1943.619	-190.025	10.93	-2.788	3.736	-3263.16
49058_9058	49058	9058	-1943.63	190.025	-8.43	6.985	-3.736	3263.15
49058_9059	49058	9059	1943.632	-165.465	8.43	-6.985	69.084	-1885.32
49059_9059	49059	9059	-1943.65	147.657	-4.14	0.075	-69.084	1885.297
49059_9060	49059	9060	1943.647	-122.335	4.14	-0.075	102.174	-806.333
49060_9060	49060	9060	-1943.65	118.695	-1.536	1.156	-102.174	806.333
49060_9061	49060	9061	1943.651	-93.344	1.536	-1.156	114.462	42.012

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49061_9061	49061	9061	-1943.65	93.344	-1.536	1.156	-114.462	-42.012
49061_9062	49061	9062	1943.651	-67.992	1.536	-1.156	126.75	687.501
49062_9062	49062	9062	-1943.65	52.015	0.887	1.045	-126.75	-687.501
49062_9063	49062	9063	1943.649	-32.989	-0.887	-1.045	121.425	942.744
49063_9063	49063	9063	-1943.65	32.989	-2.579	2.726	-121.425	-942.74
49063_9064	49063	9064	1943.647	-13.992	2.579	-2.726	136.887	1083.592
49064_9064	49064	9064	-1943.65	13.992	3.888	-0.88	-136.887	-1083.6
49064_9065	49064	9065	1943.645	5.001	-3.888	0.88	113.577	1110.545
49065_9065	49065	9065	-1943.65	-5.001	0.887	0.836	-113.577	-1110.55
49065_9066	49065	9066	1943.649	24.027	-0.887	-0.836	108.252	1023.383
49066_9066	49066	9066	-1943.65	-39.936	2.529	1.482	-108.252	-1023.39
49066_9067	49066	9067	1943.648	65.28	-2.529	-1.482	88.024	602.544
49067_9067	49067	9067	-1943.64	-65.28	4.952	0.73	-88.024	-602.546
49067_9068	49067	9068	1943.643	90.622	-4.952	-0.73	48.41	-20.981
49068_9068	49068	9068	-1943.64	-90.622	4.952	0.73	-48.41	20.981
49068_9069	49068	9069	1943.643	115.965	-4.952	-0.73	8.795	-847.218
49069_9069	49069	9069	-1943.61	-133.409	12.43	-1.592	-8.795	847.232
49069_9070	49069	9070	1943.614	157.955	-12.43	1.592	-87.504	-1975.9
49070_9070	49070	9070	-1943.61	-157.955	12.598	-1.421	87.504	1975.901
49070_9071	49070	9071	1943.612	182.532	-12.598	1.421	-185.231	-3296.56
49071_9071	49071	9071	-1943.59	-182.532	16.047	4.579	185.231	3329.125
49071_9072	49071	9072	1943.587	213.196	-16.047	-4.579	-337.685	-5208.88
49072_9072	49072	9072	27.756	476.249	0.214	-11.437	35.713	19823.55
49072_9073	49072	9073	-22.379	-430.428	-0.214	11.437	-38.356	-14122.7
49073_9073	49073	9073	10.473	430.835	0.26	10.725	35.876	14122.66
49073_9074	49073	9074	-6.578	-387.241	-0.26	-10.725	-39.104	-8989.46
49074_9074	49074	9074	-5.322	369.918	0.878	1.111	40.013	8989.58
49074_9075	49074	9075	8.035	-325.523	-0.878	-1.111	-51.675	-4376.78
49075_9075	49075	9075	-17.795	325.09	0.94	6.904	51.521	4382.158
49075_9076	49075	9076	18.929	-290.502	-0.94	-6.904	-62.576	-763.809
49076_9076	49076	9076	-25.021	269.716	-1.346	-2.044	62.728	763.912
49076_9077	49076	9077	25.295	-245.651	1.346	2.044	-51.629	1360.646
49077_9077	49077	9077	-27.902	241.626	-1.336	-3.47	51.617	-1354.32
49077_9078	49077	9078	27.902	-199.625	1.336	3.47	-33.298	4379.965
49078_9078	49078	9078	-27.904	182.147	-0.686	1.502	33.298	-4379.97
49078_9079	49078	9079	27.904	-147.972	0.686	-1.502	-25.643	6221.761
49079_9079	49079	9079	-27.905	147.972	-0.66	-4.38	25.643	-6221.76
49079_9080	49079	9080	27.905	-113.768	0.66	4.38	-18.277	7683.289
49080_9080	49080	9080	-27.905	95.566	-0.098	-0.718	18.277	-7683.29
49080_9081	49080	9081	27.905	-61.366	0.098	0.718	-17.179	8559.489
49081_9081	49081	9081	-27.905	61.366	-0.098	-0.718	17.179	-8559.49
49081_9082	49081	9082	27.905	-27.166	0.098	0.718	-16.082	9053.789
49082_9082	49082	9082	-27.906	7.856	-0.284	3.576	16.082	-9053.78
49082_9083	49082	9083	27.906	28.917	0.284	-3.576	-12.674	8927.34
49083_9083	49083	9083	-27.906	-28.917	-0.262	-3.466	12.674	-8927.34
49083_9084	49083	9084	27.906	65.657	0.262	3.466	-9.533	8360.083
49084_9084	49084	9084	-27.906	-85.039	0.007	4.125	9.533	-8360.09
49084_9085	49084	9085	27.906	119.231	-0.007	-4.125	-9.615	7219.848
49085_9085	49085	9085	-27.906	-119.231	0.032	-2.334	9.615	-7219.85
49085_9086	49085	9086	27.906	153.421	-0.032	2.334	-9.977	5697.964
49086_9086	49086	9086	-27.906	-172.087	-0.335	3.149	9.977	-5697.96
49086_9087	49086	9087	27.906	206.307	0.335	-3.149	-6.231	3584.047
49087_9087	49087	9087	-27.906	-206.307	-0.312	0.098	6.231	-3584.05

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49087_9088	49087	9088	27.906	240.495	0.312	-0.098	-2.753	1090.316
49088_9088	49088	9088	-27.906	-258.046	1.013	1.463	2.753	-1090.32
49088_9089	49088	9089	27.906	298.424	-1.013	-1.463	-16.104	-2577.84
49089_9089	49089	9089	-24.479	-298.798	1.032	2.987	16.128	2567.059
49089_9090	49089	9090	24.192	324.025	-1.032	-2.987	-24.655	-5138.9
49090_9090	49090	9090	-16.435	-347.742	-0.288	-2.23	24.526	5138.77
49090_9091	49090	9091	15.248	383.896	0.288	2.23	-21.145	-9435.76
49091_9091	49091	9091	-4.459	-384.283	-0.255	5.978	21.615	9435.328
49091_9092	49091	9092	1.772	428.381	0.255	-5.978	-18.22	-14828.3
49092_9092	49092	9092	12.092	-448.84	-1.274	-22.956	15.828	14827.94
49092_9093	49092	9093	-15.951	492.122	1.274	22.956	0.127	-20730.6
49093_9093	49093	9093	29.529	-491.542	-1.208	26.438	4.994	20730.58
49093_9094	49093	9094	-34.86	537.077	1.208	-26.438	10.149	-27200.3
49094_9094	49094	9094	-2255.98	219.019	-10.425	-5.365	121.36	7764.212
49094_9095	49094	9095	2255.983	-188.591	10.425	5.365	-22.349	-5828.63
49095_9095	49095	9095	-2256	188.591	-6.891	3.567	22.349	5828.224
49095_9096	49095	9096	2255.997	-164.337	6.891	-3.567	31.091	-4459.67
49096_9096	49096	9096	-2256	164.337	-7	3.352	-31.091	4459.67
49096_9097	49096	9097	2255.996	-140.114	7	-3.352	85.306	-3280.62
49097_9097	49097	9097	-2256.03	122.197	1.957	-1.986	-85.306	3280.578
49097_9098	49097	9098	2256.025	-97.161	-1.957	1.986	69.637	-2402.57
49098_9098	49098	9098	-2256.02	97.161	4.675	0.908	-69.637	2402.572
49098_9099	49098	9099	2256.021	-72.157	-4.675	-0.908	32.259	-1725.73
49099_9099	49099	9099	-2256.02	72.157	4.774	0.983	-32.259	1725.73
49099_9100	49099	9100	2256.021	-47.123	-4.774	-0.983	-5.955	-1248.32
49100_9100	49100	9100	-2256.01	32.143	-0.637	-0.513	5.955	1248.312
49100_9101	49100	9101	2256.006	-13.368	0.637	0.513	-2.13	-1111.7
49101_9101	49101	9101	-2256.01	13.368	-0.763	-0.574	2.13	1111.7
49101_9102	49101	9102	2256.006	5.375	0.763	0.574	2.441	-1087.75
49102_9102	49102	9102	-2256.01	-5.375	-0.637	-0.514	-2.441	1087.747
49102_9103	49102	9103	2256.006	24.15	0.637	0.514	6.266	-1176.37
49103_9103	49103	9103	-2256	-24.15	3.119	1.445	-6.266	1176.371
49103_9104	49103	9104	2256.004	42.924	-3.119	-1.445	-12.457	-1377.69
49104_9104	49104	9104	-2256.02	-57.828	-5.589	-1.697	12.457	1377.699
49104_9105	49104	9105	2256.017	82.828	5.589	1.697	32.223	-1939.89
49105_9105	49105	9105	-2256.02	-82.828	-2.684	0.802	-32.223	1939.894
49105_9106	49105	9106	2256.023	107.858	2.684	-0.802	53.703	-2702.98
49106_9106	49106	9106	-2256.02	-107.858	-2.768	0.7	-53.703	2702.983
49106_9107	49106	9107	2256.022	132.858	2.768	-0.7	75.832	-3665.08
49107_9107	49107	9107	-2256	-150.462	6.288	-2.552	-75.832	3665.114
49107_9108	49107	9108	2256	174.709	-6.288	2.552	27.081	-4925.66
49108_9108	49108	9108	-2256	-174.709	6.288	-2.552	-27.081	4925.659
49108_9109	49108	9109	2256	198.956	-6.288	2.552	-21.67	-6374.2
49109_9109	49109	9109	-2255.99	-198.956	8.584	3.748	21.67	6374.657
49109_9110	49109	9110	2255.992	229.404	-8.584	-3.748	-103.251	-8410.13
49110_9110	49110	9110	18.761	526.281	0.916	-18.941	-0.937	27927.04
49110_9111	49110	9111	-13.429	-480.765	-0.916	18.941	-10.527	-21596.1
49111_9111	49111	9111	-0.122	477.278	0.984	15.646	6.87	21596.15
49111_9112	49111	9112	3.981	-433.985	-0.984	-15.646	-19.186	-15878.8
49112_9112	49112	9112	-17.23	414.812	0.459	-4.304	20.844	15879.12
49112_9113	49112	9113	19.917	-370.741	-0.459	4.304	-26.942	-10669.5
49113_9113	49113	9113	-30.836	369.947	0.513	7.134	26.483	10669.01
49113_9114	49113	9114	32.02	-333.849	-0.513	-7.134	-32.517	-6531.65

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49114_9114	49114	9114	-38.992	312.576	-0.748	-3.02	32.726	6531.867
49114_9115	49114	9115	39.278	-287.433	0.748	3.02	-26.551	-4056.22
49115_9115	49115	9115	-42.334	286.901	-0.741	-2.598	26.528	4074.547
49115_9116	49115	9116	42.334	-247.05	0.741	2.598	-16.372	-413.546
49116_9116	49116	9116	-42.335	228.876	-0.501	-0.354	16.372	413.549
49116_9117	49116	9117	42.335	-196.438	0.501	0.354	-10.776	1960.124
49117_9117	49117	9117	-42.335	196.438	-0.425	-3.895	10.776	-1960.12
49117_9118	49117	9118	42.335	-163.972	0.425	3.895	-6.03	3973.3
49118_9118	49118	9118	-42.335	145.476	-0.418	3.71	6.03	-3973.3
49118_9119	49118	9119	42.335	-113.039	0.418	-3.71	-1.36	5416.021
49119_9119	49119	9119	-42.336	113.039	-0.342	-6.068	1.36	-5416.02
49119_9120	49119	9120	42.336	-80.573	0.342	6.068	2.46	6497.466
49120_9120	49120	9120	-42.336	61.656	0.058	5.895	-2.46	-6497.48
49120_9121	49120	9121	42.336	-26.809	-0.058	-5.895	1.76	7027.88
49121_9121	49121	9121	-42.336	26.809	0.129	-5.899	-1.76	-7027.88
49121_9122	49121	9122	42.336	8.068	-0.129	5.899	0.207	7140.334
49122_9122	49122	9122	-42.336	-27.086	-0.237	10.153	-0.207	-7140.33
49122_9123	49122	9123	42.336	59.55	0.237	-10.153	2.855	6656.433
49123_9123	49123	9123	-42.336	-59.55	-0.123	-7.722	-2.855	-6656.44
49123_9124	49123	9124	42.336	92.013	0.123	7.722	4.233	5809.918
49124_9124	49124	9124	-42.336	-113.353	-0.372	6.187	-4.233	-5809.92
49124_9125	49124	9125	42.336	145.787	0.372	-6.187	8.388	4363.85
49125_9125	49125	9125	-42.337	-145.787	-0.296	-1.665	-8.388	-4363.85
49125_9126	49125	9126	42.337	178.25	0.296	1.665	11.695	2554.05
49126_9126	49126	9126	-42.335	-194.621	2.356	3.465	-11.695	-2554.05
49126_9127	49126	9127	42.335	233.535	-2.356	-3.465	-19.854	-312.533
49127_9127	49127	9127	-39.593	-234.073	2.415	3.103	19.878	299.723
49127_9128	49127	9128	39.327	257.5	-2.415	-3.103	-39.782	-2325.12
49128_9128	49128	9128	-33.082	-275.535	-2.96	1.535	39.765	2325.101
49128_9129	49128	9129	31.977	309.228	2.96	-1.535	-4.963	-5762.09
49129_9129	49129	9129	-23.218	-310.138	-2.872	9.447	5.509	5765.656
49129_9130	49129	9130	20.595	353.184	2.872	-9.447	32.635	-10166.8
49130_9130	49130	9130	-7.474	-391.61	4.164	-2.741	-33.592	10166.77
49130_9131	49130	9131	3.703	433.902	-4.164	2.741	-18.742	-15344.7
49131_9131	49131	9131	8.24	-433.885	4.198	8.968	20.088	15344.65
49131_9132	49131	9132	-13.455	478.47	-4.198	-8.968	-73.074	-21087.5
49132_9132	49132	9132	-1852.88	211.549	9.86	2.988	-161.185	6211.4
49132_9133	49132	9133	1852.876	-181.862	-9.86	-2.988	67.519	-4342.7
49133_9133	49133	9133	-1852.89	181.862	7.469	-4.109	-67.519	4352.067
49133_9134	49133	9134	1852.887	-159.356	-7.469	4.109	9.635	-3029.84
49134_9134	49134	9134	-1852.88	159.356	9.86	-0.2	-9.635	3029.846
49134_9135	49134	9135	1852.876	-136.85	-9.86	0.2	-66.777	-1882.05
49135_9135	49135	9135	-1852.89	117.789	0.012	-1.144	66.777	1882.044
49135_9136	49135	9136	1852.885	-94.557	-0.012	1.144	-66.872	-1032.66
49136_9136	49136	9136	-1852.88	94.557	2.328	0.146	66.872	1032.66
49136_9137	49136	9137	1852.884	-71.325	-2.328	-0.146	-85.495	-369.134
49137_9137	49137	9137	-1852.88	71.325	2.328	0.146	85.495	369.134
49137_9138	49137	9138	1852.884	-48.093	-2.328	-0.146	-104.119	108.536
49138_9138	49138	9138	-1852.88	31.466	-4.836	0.258	104.119	-108.535
49138_9139	49138	9139	1852.882	-14.042	4.836	-0.258	-75.1	245.058
49139_9139	49139	9139	-1852.89	14.042	-1.748	-0.151	75.1	-245.059
49139_9140	49139	9140	1852.888	3.382	1.748	0.151	-64.611	277.036
49140_9140	49140	9140	-1852.89	-3.382	-1.748	-0.151	64.611	-277.036

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49140_9141	49140	9141	1852.888	20.807	1.748	0.151	-54.121	204.47
49141_9141	49141	9141	-1852.88	-20.807	-4.836	0.19	54.121	-204.47
49141_9142	49141	9142	1852.882	38.231	4.836	-0.19	-25.103	27.358
49142_9142	49142	9142	-1852.89	-58.226	-1.438	0.351	25.103	-27.358
49142_9143	49142	9143	1852.888	81.458	1.438	-0.351	-13.601	-531.375
49143_9143	49143	9143	-1852.88	-81.458	-3.754	-0.313	13.601	531.375
49143_9144	49143	9144	1852.884	104.69	3.754	0.313	16.43	-1275.97
49144_9144	49144	9144	-1852.89	-104.69	-1.438	1.282	-16.43	1275.966
49144_9145	49144	9145	1852.888	127.922	1.438	-1.282	27.932	-2206.41
49145_9145	49145	9145	-1852.89	-144.285	-0.819	1.984	-27.932	2206.413
49145_9146	49145	9146	1852.887	166.791	0.819	-1.984	34.277	-3411.84
49146_9146	49146	9146	-1852.88	-166.791	-3.21	-2.419	-34.277	3411.834
49146_9147	49146	9147	1852.884	189.298	3.21	2.419	59.151	-4791.68
49147_9147	49147	9147	-1852.89	-189.298	-0.819	3.131	-59.151	4782.921
49147_9148	49147	9148	1852.887	218.984	0.819	-3.131	66.929	-6722.26
49148_9148	49148	9148	-8.429	436.791	2.339	-1.214	-38.542	21619.23
49148_9149	49148	9149	13.644	-392.241	-2.339	1.214	9.148	-16405.5
49149_9149	49149	9149	-24.449	391.696	2.339	-0.947	-9.175	16405.45
49149_9150	49149	9150	28.22	-349.404	-2.339	0.947	-20.151	-11757.4
49150_9150	49150	9150	-38.826	334.634	-1.371	-1.427	20.137	11757.43
49150_9151	49150	9151	41.449	-291.589	1.371	1.427	-1.938	-7602.72
49151_9151	49151	9151	-50.242	290.336	-1.422	-5.33	2.004	7615.585
49151_9152	49151	9152	51.361	-256.245	1.422	5.33	14.704	-4403.36
49152_9152	49152	9152	-56.629	236.682	0.685	-1.597	-14.801	4403.366
49152_9153	49152	9153	56.899	-212.947	-0.685	1.597	9.15	-2548.6
49153_9153	49153	9153	-59.104	212.24	0.642	-3.398	-9.169	2550.272
49153_9154	49153	9154	59.104	-173.684	-0.642	3.398	0.344	102.952
49154_9154	49154	9154	-59.104	155.848	-0.38	-1.03	-0.344	-102.953
49154_9155	49154	9155	59.104	-125.003	0.38	1.03	4.529	1647.639
49155_9155	49155	9155	-59.104	125.003	-0.327	-2.528	-4.529	-1647.64
49155_9156	49155	9156	59.104	-94.159	0.327	2.528	8.124	2853.029
49156_9156	49156	9156	-59.104	76.351	-0.012	1.019	-8.124	-2853.03
49156_9157	49156	9157	59.104	-48.31	0.012	-1.019	8.242	3476.333
49157_9157	49157	9157	-59.104	48.31	0.047	-2.458	-8.242	-3476.33
49157_9158	49157	9158	59.104	-20.269	-0.047	2.458	7.77	3819.227
49158_9158	49158	9158	-59.104	3.082	0.129	2.251	-7.77	-3819.23
49158_9159	49158	9159	59.104	24.959	-0.129	-2.251	6.484	3709.841
49159_9159	49159	9159	-59.104	-24.959	0.188	-1.459	-6.484	-3709.84
49159_9160	49159	9160	59.104	53	-0.188	1.459	4.606	3320.047
49160_9160	49160	9160	-59.104	-70.423	0.223	1.467	-4.606	-3320.05
49160_9161	49160	9161	59.104	101.239	-0.223	-1.467	2.151	2376.763
49161_9161	49161	9161	-59.104	-104.879	0.224	1.465	-2.151	-2376.76
49161_9162	49161	9162	59.104	135.724	-0.224	-1.465	-0.308	1053.441
49162_9162	49162	9162	-59.104	-151.718	1.207	3.03	0.308	-1053.44
49162_9163	49162	9163	59.104	190.274	-1.207	-3.03	-16.902	-1297.75
49163_9163	49163	9163	-56.841	-190.98	1.135	1.415	16.913	1296.577
49163_9164	49163	9164	56.572	214.715	-1.135	-1.415	-26.278	-2970.13
49164_9164	49164	9164	-51.261	-232.188	0.788	6.177	26.433	2970.128
49164_9165	49164	9165	50.143	266.279	-0.788	-6.177	-35.692	-5899.83
49165_9165	49165	9165	-42.561	-267.68	0.743	-1.567	35.461	5904.948
49165_9166	49165	9166	39.954	310.475	-0.743	1.567	-45.31	-9740.87
49166_9166	49166	9166	-29.755	-327.117	-2.182	-3.196	45.163	9740.866
49166_9167	49166	9167	26.005	369.172	2.182	3.196	-17.818	-14108.2

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49167_9167	49167	9167	-15.778	-369.778	-2.135	7.542	19.037	14108.18
49167_9168	49167	9168	10.59	414.09	2.135	-7.542	7.773	-19038.4
49168_9168	49168	9168	-1697.45	220.885	2.068	-1.786	-61.316	6246.37
49168_9169	49168	9169	1697.447	-191.379	-2.068	1.786	41.666	-4288.12
49169_9169	49169	9169	-1697.44	191.379	3.855	1.7	-41.666	4306.682
49169_9170	49169	9170	1697.444	-168.789	-3.855	-1.7	11.788	-2911.03
49170_9170	49170	9170	-1697.45	168.789	1.665	-2.056	-11.788	2911.032
49170_9171	49170	9171	1697.447	-146.199	-1.665	2.056	-1.115	-1690.45
49171_9171	49171	9171	-1697.44	128.744	1.435	0.316	1.115	1690.452
49171_9172	49171	9172	1697.444	-105.426	-1.435	-0.316	-12.599	-753.773
49172_9172	49172	9172	-1697.44	105.426	-0.686	-0.626	12.599	753.773
49172_9173	49172	9173	1697.444	-82.107	0.686	0.626	-7.108	-3.64
49173_9173	49173	9173	-1697.44	82.107	1.435	-0.622	7.108	3.64
49173_9174	49173	9174	1697.444	-58.789	-1.435	0.622	-18.592	559.945
49174_9174	49174	9174	-1697.44	41.992	0.93	-0.292	18.592	-559.945
49174_9175	49174	9175	1697.444	-24.503	-0.93	0.292	-24.173	759.431
49175_9175	49175	9175	-1697.44	24.503	-1.899	0.974	24.173	-759.43
49175_9176	49175	9176	1697.443	-7.014	1.899	-0.974	-12.779	853.984
49176_9176	49176	9176	-1697.44	7.014	0.93	-0.449	12.779	-853.984
49176_9177	49176	9177	1697.444	10.474	-0.93	0.449	-18.36	843.605
49177_9177	49177	9177	-1697.44	-10.474	0.93	-0.449	18.36	-843.605
49177_9178	49177	9178	1697.444	27.963	-0.93	0.449	-23.941	728.293
49178_9178	49178	9178	-1697.44	-44.736	-1.676	0.637	23.941	-728.293
49178_9179	49178	9179	1697.443	68.054	1.676	-0.637	-10.536	277.134
49179_9179	49179	9179	-1697.44	-68.054	0.446	0.291	10.536	-277.135
49179_9180	49179	9180	1697.444	91.372	-0.446	-0.291	-14.105	-360.569
49180_9180	49180	9180	-1697.44	-91.372	-1.676	-0.16	14.105	360.569
49180_9181	49180	9181	1697.443	114.691	1.676	0.16	-0.699	-1184.82
49181_9181	49181	9181	-1697.44	-131.755	-1.23	2.44	0.699	1184.82
49181_9182	49181	9182	1697.444	154.344	1.23	-2.44	8.835	-2293.45
49182_9182	49182	9182	-1697.44	-157.984	-1.23	2.44	-8.835	2293.452
49182_9183	49182	9183	1697.444	180.574	1.23	-2.44	18.37	-3605.36
49183_9183	49183	9183	-1697.44	-180.574	-3.017	-2.235	-18.37	3588.849
49183_9184	49183	9184	1697.442	210.08	3.017	2.235	47.031	-5444.46
49184_9184	49184	9184	-9.157	420.672	1.638	-6.834	-8.012	18126.92
49184_9185	49184	9185	14.345	-376.36	-1.638	6.834	-12.545	-13114.4
49185_9185	49185	9185	-24.718	375.78	1.684	3.299	11.394	13114.39
49185_9186	49185	9186	28.468	-333.725	-1.684	-3.299	-32.493	-8664.54
49186_9186	49186	9186	-38.706	317.942	-0.39	-0.93	32.841	8664.536
49186_9187	49186	9187	41.313	-275.148	0.39	0.93	-27.673	-4729.7
49187_9187	49187	9187	-49.745	273.722	-0.396	-4.243	27.699	4711.411
49187_9188	49187	9188	50.884	-239.013	0.396	4.243	-23.044	-1698.16
49188_9188	49188	9188	-55.77	218.319	-1.267	-3.229	22.98	1698.163
49188_9189	49188	9189	56.045	-194.15	1.267	3.229	-12.523	3.305
49189_9189	49189	9189	-58.023	193.458	-1.31	-3.098	12.489	-11.671
49189_9190	49189	9190	58.023	-152.777	1.31	3.098	5.519	2392.041
49190_9190	49190	9190	-58.024	134.346	-0.152	-3.744	-5.519	-2392.04
49190_9191	49190	9191	58.024	-101.801	0.152	3.744	7.192	3690.844
49191_9191	49191	9191	-58.024	101.801	-0.205	-0.389	-7.192	-3690.85
49191_9192	49191	9192	58.024	-69.256	0.205	0.389	9.446	4631.657
49192_9192	49192	9192	-58.024	50.545	-0.194	1.716	-9.446	-4631.66
49192_9193	49192	9193	58.024	-21.106	0.194	-1.716	11.381	4988.119
49193_9193	49193	9193	-58.024	21.106	-0.136	-3.297	-11.381	-4988.12

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49193_9194	49193	9194	58.024	8.332	0.136	3.297	12.736	5051.67
49194_9194	49194	9194	-58.024	-26.727	-0.252	3.051	-12.736	-5051.67
49194_9195	49194	9195	58.024	56.165	0.252	-3.051	15.247	4639.28
49195_9195	49195	9195	-58.024	-56.165	-0.194	-1.612	-15.247	-4639.28
49195_9196	49195	9196	58.024	85.574	0.194	1.612	17.175	3934.838
49196_9196	49196	9196	-58.028	-104.588	0.231	3.245	-17.175	-3934.83
49196_9197	49196	9197	58.028	137.133	-0.231	-3.245	14.637	2605.364
49197_9197	49197	9197	-58.027	-137.133	0.283	0.877	-14.637	-2605.37
49197_9198	49197	9198	58.027	169.678	-0.283	-0.877	11.519	917.908
49198_9198	49198	9198	-58.039	-191.568	1.72	2.894	-11.519	-917.897
49198_9199	49198	9199	58.039	232.278	-1.72	-2.894	-12.152	-1998.17
49199_9199	49199	9199	-55.236	-232.98	1.762	4.655	12.19	2015.581
49199_9200	49199	9200	54.946	257.99	-1.762	-4.655	-26.731	-4040.92
49200_9200	49200	9200	-48.483	-278.115	-1.736	6.095	26.831	4040.959
49200_9201	49200	9201	47.283	314.022	1.736	-6.095	-6.428	-7521.34
49201_9201	49201	9201	-38.264	-315.343	-1.73	1.49	6.374	7525.718
49201_9202	49201	9202	35.415	361.464	1.73	-1.49	16.609	-12016.7
49202_9202	49202	9202	-23.355	-381.842	0.34	8.414	-16.024	12016.66
49202_9203	49202	9203	19.278	427.036	-0.34	-8.414	11.711	-17091
49203_9203	49203	9203	-7.42	-427.441	0.294	-4.853	-13.095	17090.96
49203_9204	49203	9204	1.812	474.891	-0.294	4.853	9.333	-22767.5
49204_9204	49204	9204	-2030.36	239.194	-8.189	-3.935	121.786	7489.404
49204_9205	49204	9205	2030.357	-207.303	8.189	3.935	-43.994	-5368.54
49205_9205	49205	9205	-2030.36	207.303	-6.051	1.743	43.994	5132.579
49205_9206	49205	9206	2030.364	-182.767	6.051	-1.743	2.904	-3621.06
49206_9206	49206	9206	-2030.36	182.767	-6.051	1.743	-2.904	3621.059
49206_9207	49206	9207	2030.364	-158.232	6.051	-1.743	49.803	-2299.69
49207_9207	49207	9207	-2030.4	138.508	-2.23	-0.969	-49.803	2299.689
49207_9208	49207	9208	2030.396	-113.181	2.23	0.969	67.642	-1292.93
49208_9208	49208	9208	-2030.4	113.181	0.308	0.647	-67.642	1292.934
49208_9209	49208	9209	2030.397	-87.854	-0.308	-0.647	65.176	-488.794
49209_9209	49209	9209	-2030.4	87.854	2.846	1.258	-65.176	488.793
49209_9210	49209	9210	2030.395	-62.527	-2.846	-1.258	42.407	112.733
49210_9210	49210	9210	-2030.36	44.859	-4.525	1.655	-42.407	-112.734
49210_9211	49210	9211	2030.363	-25.864	4.525	-1.655	69.556	324.906
49211_9211	49211	9211	-2030.37	25.864	-1.141	1.114	-69.556	-324.908
49211_9212	49211	9212	2030.368	-6.869	1.141	-1.114	76.401	423.108
49212_9212	49212	9212	-2030.37	6.869	2.243	0.409	-76.401	-423.11
49212_9213	49212	9213	2030.367	12.127	-2.243	-0.409	62.943	407.336
49213_9213	49213	9213	-2030.36	-12.127	5.627	-0.27	-62.943	-407.336
49213_9214	49213	9214	2030.36	31.122	-5.627	0.27	29.182	277.584
49214_9214	49214	9214	-2030.43	-48.489	-6.761	-0.069	-29.182	-277.587
49214_9215	49214	9215	2030.425	73.785	6.761	0.069	83.204	-210.92
49215_9215	49215	9215	-2030.44	-73.785	-1.711	0.456	-83.204	210.92
49215_9216	49215	9216	2030.436	99.114	1.711	-0.456	96.892	-902.569
49216_9216	49216	9216	-2030.43	-99.114	3.364	2.712	-96.892	902.565
49216_9217	49216	9217	2030.434	124.443	-3.364	-2.712	69.975	-1796.89
49217_9217	49217	9217	-2030.4	-144.361	9.061	-7.383	-69.975	1797.03
49217_9218	49217	9218	2030.402	168.9	-9.061	7.383	-0.259	-3011.09
49218_9218	49218	9218	-2030.35	-168.9	16.918	4.269	0.259	3011.092
49218_9219	49218	9219	2030.351	193.44	-16.918	-4.269	-131.401	-4415.46
49219_9219	49219	9219	-2030.34	-197.08	17.745	7.959	131.401	4653.959
49219_9220	49219	9220	2030.344	228.979	-17.745	-7.959	-300.015	-6678.19

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49220_9220	49220	9220	14.098	467.013	-1.027	-25.948	11.914	21899.2
49220_9221	49220	9221	-8.49	-419.585	1.027	25.948	1.062	-16324.8
49221_9221	49221	9221	-3.159	419.623	-0.898	25.763	-6.584	16324.82
49221_9222	49221	9222	7.236	-374.411	0.898	-25.763	17.889	-11342
49222_9222	49222	9222	-19.129	350.69	3.688	-3.232	-15.239	11343.47
49222_9223	49222	9223	21.978	-304.58	-3.688	3.232	-33.724	-6996.75
49223_9223	49223	9223	-31.449	303.832	3.888	23.081	32.96	7009.943
49223_9224	49223	9224	32.67	-267.322	-3.888	-23.081	-78.657	-3653.86
49224_9224	49224	9224	-38.461	242.344	-2.144	-5.605	79.19	3654.949
49224_9225	49224	9225	38.755	-216.887	2.144	5.605	-61.491	-1759.14
49225_9225	49225	9225	-41.037	216.356	-2.006	-0.335	61.48	1750.476
49225_9226	49225	9226	41.037	-170.294	2.006	0.335	-32.432	1049.423
49226_9226	49226	9226	-41.002	150.076	0.262	3.063	32.432	-1049.56
49226_9227	49226	9227	41.002	-113.908	-0.262	-3.063	-35.406	2550.554
49227_9227	49227	9227	-41.001	113.908	0.37	-3.657	35.406	-2550.55
49227_9228	49227	9228	41.001	-77.735	-0.37	3.657	-39.609	3640.361
49228_9228	49228	9228	-41.009	59.388	-0.685	5.929	39.609	-3640.52
49228_9229	49228	9229	41.009	-23.24	0.685	-5.929	-31.824	4110.09
49229_9229	49229	9229	-41.011	23.24	-0.577	-4.903	31.824	-4110.09
49229_9230	49229	9230	41.011	12.914	0.577	4.903	-25.266	4168.778
49230_9230	49230	9230	-41.056	-31.915	8.168	7.626	25.266	-4168.6
49230_9231	49230	9231	41.056	70.211	-8.168	-7.626	-123.617	3553.75
49231_9231	49231	9231	-41.037	-70.211	8.263	-0.574	123.617	-3553.76
49231_9232	49231	9232	41.037	98.761	-8.263	0.574	-197.791	2795.337
49232_9232	49232	9232	-40.402	-99.02	8.417	-11.789	197.702	-2795.78
49232_9233	49232	9233	40.347	108.978	-8.417	11.789	-223.596	2475.824
49233_9233	49233	9233	-38.21	-131.431	-16.741	0.637	223.745	-2475.76
49233_9234	49233	9234	37.614	162.373	16.741	-0.637	-64.181	1075.614
49234_9234	49234	9234	-34.522	-163.14	-16.633	-3.193	64.023	-1075.62
49234_9235	49234	9235	33.61	187.298	16.633	3.193	58.902	-219.572
49235_9235	49235	9235	-30.752	-187.807	-16.511	-6.672	-59.208	211.153
49235_9236	49235	9236	29.486	211.607	16.511	6.672	162.101	-1456.12
49236_9236	49236	9236	-24.781	-232.091	24.59	-4.868	-162.178	1456.112
49236_9237	49236	9237	22.066	270.437	-24.59	4.868	-80.354	-3935.34
49237_9237	49237	9237	-15.974	-270.772	24.75	6.068	81.441	3925.497
49237_9238	49237	9238	12.503	308.511	-24.75	-6.068	-313.247	-6640.58
49238_9238	49238	9238	-2.416	-331.498	-16.464	-6.154	312.532	6639.876
49238_9239	49238	9239	-1.769	368.788	16.464	6.154	-164.671	-9788.15
49239_9239	49239	9239	6.878	-368.743	-16.383	11.321	167.093	9788.108
49239_9240	49239	9240	-8.991	385.478	16.383	-11.321	-102.589	-11275.3
49240_9240	49240	9240	-1545.68	288.907	7.607	0.97	600.548	3693.943
49240_9241	49240	9241	1545.68	-265.034	-7.607	-0.97	-648.708	-1940.34
49241_9241	49241	9241	-1543.94	222.918	-28.974	-1.736	648.708	1940.194
49241_9242	49241	9242	1543.935	-211	28.974	1.736	-557.13	-1254.45
49242_9242	49242	9242	-1543.99	211	-25.992	0.415	557.13	1259.12
49242_9243	49242	9243	1543.988	-165.047	25.992	-0.415	-236.025	1063.69
49243_9243	49243	9243	-1544.05	165.047	-21.905	-2.401	236.025	-1063.69
49243_9244	49243	9244	1544.052	-131.629	21.905	2.401	-39.232	2396.343
49244_9244	49244	9244	-1543.67	110.888	-28.314	6.891	39.232	-2395.67
49244_9245	49244	9245	1543.674	-72.008	28.314	-6.891	256.716	3351.518
49245_9245	49245	9245	-1543.75	72.008	-24.025	-2.422	-256.716	-3351.52
49245_9246	49245	9246	1543.747	-37.9	24.025	2.422	477.01	3855.427
49246_9246	49246	9246	-1544.15	22.355	-9.296	7.518	-477.01	-3854.67

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49246_9247	49246	9247	1544.15	16.883	9.296	-7.518	575.068	3883.529
49247_9247	49247	9247	-1544.17	-16.883	-4.146	-5.434	-575.068	-3883.53
49247_9248	49247	9248	1544.173	50.675	4.146	5.434	612.733	3576.661
49248_9248	49248	9248	-1544.23	-67.409	1.004	4.263	-612.733	-3576.18
49248_9249	49248	9249	1544.229	102.704	-1.004	-4.263	603.211	2769.1
49249_9249	49249	9249	-1544.22	-102.704	4.78	-2.51	-603.211	-2769.1
49249_9250	49249	9250	1544.222	140.402	-4.78	2.51	554.764	1537.218
49250_9250	49250	9250	-1544.33	-156.733	17.405	-0.427	-554.764	-1537.04
49250_9251	49250	9251	1544.333	193.473	-17.405	0.427	382.854	-192.458
49251_9251	49251	9251	-1544.29	-193.473	21.19	0.045	-382.854	192.458
49251_9252	49251	9252	1544.286	229.736	-21.19	-0.045	176.276	-2255.37
49252_9252	49252	9252	-1543.97	-257.197	5.495	-53.473	-176.276	2254.423
49252_9253	49252	9253	1543.972	268.949	-5.495	53.473	158.914	-3085.59
49253_9253	49253	9253	-1543.96	-268.949	8.366	-47.684	-158.914	3084.141
49253_9254	49253	9254	1543.959	304.772	-8.366	47.684	79.438	-5809.44
49254_9254	49254	9254	2.88	362.4	-22.093	58.006	99.395	13769.96
49254_9255	49254	9255	2.989	-312.493	22.093	-58.006	164.161	-9749.11
49255_9255	49255	9255	-14.884	271.06	19.022	-10.749	-155.621	9748.042
49255_9256	49255	9256	18.881	-228.004	-19.022	10.749	-47.612	-7083.83
49256_9256	49256	9256	-24.253	227.464	19.163	13.2	45.46	7083.833
49256_9257	49256	9257	27.224	-184.347	-19.163	-13.2	-256.458	-4817.94
49257_9257	49257	9257	-31.561	159.65	-8.882	-4.142	257.464	4817.881
49257_9258	49257	9258	32.519	-141.153	8.882	4.142	-214.79	-4095.38
49258_9258	49258	9258	-34.934	140.575	-8.816	-1.273	214.406	4098.319
49258_9259	49258	9259	36.095	-107.193	8.816	1.273	-125.298	-2846.42
49259_9259	49259	9259	-38.165	106.475	-8.71	4.003	125.093	2846.425
49259_9260	49259	9260	38.526	-84.405	8.71	-4.003	-66.496	-2204.4
49260_9260	49260	9260	-39.517	62.097	-2.231	-11.785	66.591	2349.139
49260_9261	49260	9261	39.577	-51.49	2.231	11.785	-59.525	-2169.29
49261_9261	49261	9261	-39.985	51.124	-2.104	-5.234	59.518	2192.493
49261_9262	49261	9262	39.985	-13.256	2.104	5.234	-35.398	-1823.55
49262_9262	49262	9262	-39.992	13.256	-1.978	0.517	35.398	1823.561
49262_9263	49262	9263	39.992	19.358	1.978	-0.517	-15.869	-1853.68
49263_9263	49263	9263	-39.979	-44.78	-0.207	-5.516	15.869	1853.828
49263_9264	49263	9264	39.979	83.585	0.207	5.516	-13.439	-2607.65
49264_9264	49264	9264	-39.979	-83.585	-0.135	-0.806	13.439	2607.658
49264_9265	49264	9265	39.979	120.965	0.135	0.806	-11.914	-3764.77
49265_9265	49265	9265	-39.978	-143.358	0.123	-7.528	11.914	3765.197
49265_9266	49265	9266	39.978	182.234	-0.123	7.528	-13.364	-5680.72
49266_9266	49266	9266	-39.978	-182.234	0.191	2.15	13.364	5680.72
49266_9267	49266	9267	39.978	219.549	-0.191	-2.15	-15.524	-7949.62
49267_9267	49267	9267	-39.948	-243.647	1.461	-14.971	15.524	7950.932
49267_9268	49267	9268	39.948	265.745	-1.461	14.971	-25.295	-9654.4
49268_9268	49268	9268	-39.948	-265.745	1.483	-9.544	25.295	9654.404
49268_9269	49268	9269	39.948	287.978	-1.483	9.544	-35.276	-11517.5
49269_9269	49269	9269	-36.669	-288.733	1.547	7.538	35.333	11482.59
49269_9270	49269	9270	36.239	322.916	-1.547	-7.538	-50.238	-14429.6
49270_9270	49270	9270	-29.095	-347.945	-2.901	-30.35	49.385	14432.61
49270_9271	49270	9271	27.814	385.056	2.901	30.35	-19.282	-18235.5
49271_9271	49271	9271	-20.368	-385.748	-2.83	1.422	20.168	18205.43
49271_9272	49271	9272	18.569	418.68	2.83	-1.422	2.922	-21485.8
49272_9272	49272	9272	-12.865	-419.107	-2.736	51.86	0.023	21485.78
49272_9273	49272	9273	11.407	440.241	2.736	-51.86	14.098	-23702.8

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49273_9273	49273	9273	-0.961	-468.933	2.231	-60.717	-21.838	23706.66
49273_9274	49273	9274	-3.434	519.03	-2.231	60.717	-4.866	-29600.1
49274_9274	49274	9274	17.64	-522.583	2.38	49.033	14.658	29600.14
49274_9275	49274	9275	-24.275	580.151	-2.38	-49.033	-46.061	-36840.1
49275_9275	49275	9275	-2713.47	351.522	-55.722	-12.901	1132.076	12462.99
49275_9276	49275	9276	2713.473	-332.309	55.722	12.901	-859.996	-10793.5
49276_9276	49276	9276	-2713.54	332.309	-52.595	-0.46	859.996	10793.5
49276_9277	49276	9277	2713.536	-314.131	52.595	0.46	-617.02	-9300.29
49277_9277	49277	9277	-2713.62	314.131	-48.163	11.629	617.02	9361.372
49277_9278	49277	9278	2713.618	-280.115	48.163	-11.629	-173.353	-6624.34
49278_9278	49278	9278	-2713.12	266.062	-25.417	-11.632	173.353	8044.682
49278_9279	49278	9279	2713.115	-224.421	25.417	11.632	114.071	-5271.43
49279_9279	49279	9279	-2713.2	224.421	-13.798	10.942	-114.071	5271.427
49279_9280	49279	9280	2713.199	-181.512	13.798	-10.942	274.857	-2906.34
49280_9280	49280	9280	-2713.75	155.342	-25.173	-2.923	-274.857	2906.904
49280_9281	49280	9281	2713.747	-112.225	25.173	2.923	569.61	-1340.42
49281_9281	49281	9281	-2713.83	112.225	-14.248	2.473	-569.61	1340.422
49281_9282	49281	9282	2713.826	-68.25	14.248	-2.473	739.762	-262.806
49282_9282	49282	9282	-2713.9	49.626	-8.487	1.646	-739.762	293.32
49282_9283	49282	9283	2713.898	-7.529	8.487	-1.646	845.057	61.228
49283_9283	49283	9283	-2713.91	7.529	4.499	1.353	-845.057	-61.235
49283_9284	49283	9284	2713.907	30.593	-4.499	-1.353	794.507	-68.332
49284_9284	49284	9284	-2712.66	-68.628	55.716	-1.135	-794.507	68.398
49284_9285	49284	9285	2712.662	102.991	-55.716	1.135	230.247	-937.424
49285_9285	49285	9285	-2712.49	-102.991	63.741	1.639	-230.247	937.424
49285_9286	49285	9286	2712.485	134.812	-63.741	-1.639	-367.54	-2052.52
49286_9286	49286	9286	-2712.41	-169.094	-11.314	-34.176	367.54	2052.614
49286_9287	49286	9287	2712.414	182.749	11.314	34.176	-322.007	-2760.6
49287_9287	49287	9287	-2712.41	-182.749	-12.861	-34.817	322.007	2535.999
49287_9288	49287	9288	2712.407	217.277	12.861	34.817	-199.851	-4435.76
49288_9288	49288	9288	35.422	820.051	-24.069	56.812	-43.156	23958.22
49288_9289	49288	9289	-30.628	-776.208	24.069	-56.812	301.235	-15402.2
49289_9289	49289	9289	1.487	674.029	19.684	-13.25	-293.163	15405.96
49289_9290	49289	9290	2.281	-627.173	-19.684	13.25	58.886	-7664.25
49290_9290	49290	9290	-21.102	626.824	19.816	8.001	-60.259	7664.243
49290_9291	49290	9291	23.321	-582.444	-19.816	-8.001	-169.579	-652.406
49291_9291	49291	9291	-36.767	539.938	-13.478	11.787	169.527	652.243
49291_9292	49291	9292	37.245	-524.279	13.478	-11.787	-113.612	1555.202
49292_9292	49292	9292	-46.195	523.573	-13.339	4.797	113.845	-1551.26
49292_9293	49292	9293	46.554	-496.792	13.339	-4.797	-6.977	5638.748
49293_9293	49293	9293	-53.047	496.149	-13.23	-6.787	7.041	-5638.75
49293_9294	49293	9294	53.054	-469.514	13.23	6.787	98.591	9493.741
49294_9294	49294	9294	-52.84	431.101	-0.448	42.744	-98.593	-9495.16
49294_9295	49294	9295	52.84	-417.732	0.448	-42.744	100.387	11196.14
49295_9295	49295	9295	-52.841	417.732	-0.27	5.324	-100.387	-11195
49295_9296	49295	9296	52.841	-379.145	0.27	-5.324	103.139	15253.56
49296_9296	49296	9296	-52.841	379.145	-0.147	-30.255	-103.139	-15253.5
49296_9297	49296	9297	52.841	-347.847	0.147	30.255	104.352	18256.77
49297_9297	49297	9297	-52.736	313.429	4.361	40.122	-104.352	-18272.5
49297_9298	49297	9298	52.736	-270.088	-4.361	-40.122	54.229	21625.55
49298_9298	49298	9298	-52.721	270.088	4.541	-33.44	-54.229	-21625.6
49298_9299	49298	9299	52.721	-229.813	-4.541	33.44	5.737	24294.92
49299_9299	49299	9299	-52.795	196.194	0.982	51.454	-5.737	-24298.5

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49299_9300	49299	9300	52.795	-155.463	-0.982	-51.454	-4.866	26197.5
49300_9300	49300	9300	-52.791	155.463	1.152	-33.174	4.866	-26197.5
49300_9301	49300	9301	52.791	-107.168	-1.152	33.174	-19.621	27879.17
49301_9301	49301	9301	-52.818	71.472	-0.105	60.469	19.621	-27882.8
49301_9302	49301	9302	52.818	-26.754	0.105	-60.469	-18.373	28465.16
49302_9302	49302	9302	-52.818	26.754	0.101	-50.558	18.373	-28465.2
49302_9303	49302	9303	52.818	17.58	-0.101	50.558	-19.556	28519.11
49303_9303	49303	9303	-52.803	-52.331	0.919	47.148	19.556	-28523.3
49303_9304	49303	9304	52.803	99.702	-0.919	-47.148	-31.102	27568.41
49304_9304	49304	9304	-52.8	-99.702	1.096	-45.269	31.102	-27568.4
49304_9305	49304	9305	52.8	141.348	-1.096	45.269	-43.207	26237.44
49305_9305	49305	9305	-52.808	-175.672	0.711	54.688	43.207	-26240.8
49305_9306	49305	9306	52.808	217.347	-0.711	-54.688	-51.066	24069.3
49306_9306	49306	9306	-52.805	-217.347	0.926	-43.298	51.066	-24069.3
49306_9307	49306	9307	52.805	264.686	-0.926	43.298	-62.692	21043.92
49307_9307	49307	9307	-52.816	-296.264	0.417	23.253	62.692	-21046.7
49307_9308	49307	9308	52.816	341.109	-0.417	-23.253	-67.655	17257.12
49308_9308	49308	9308	-52.815	-344.749	0.554	-21.317	67.655	-17257.1
49308_9309	49308	9309	52.815	388.882	-0.554	21.317	-74.136	12964.43
49309_9309	49309	9309	-53.051	-420.675	-11.097	11.414	74.136	-12966
49309_9310	49309	9310	53.051	465.718	11.097	-11.414	58.405	7672.468
49310_9310	49310	9310	-53.088	-465.718	-10.92	-14.202	-58.405	-7672.46
49310_9311	49310	9311	53.088	509.667	10.92	14.202	185.662	1988.995
49311_9311	49311	9311	-51.782	-537.619	55.969	-15.993	-185.662	-1989.05
49311_9312	49311	9312	51.782	550.129	-55.969	15.993	0	184.879

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1	2	3	4	5	6	7	8	9
45000_5000	45000	5000	6.76	451.419	-0.42	4.69	0	35.987
45000_5001	45000	5001	-6.76	-414.318	0.42	-4.69	5.341	5471.289
45001_5001	45001	5001	6.759	414.318	-0.429	-2.661	-5.341	-5471.29
45001_5002	45001	5002	-6.759	-385.491	0.429	2.661	9.581	9424.686
45002_5002	45002	5002	6.767	337.561	0.637	10.977	-9.581	-9424.81
45002_5003	45002	5003	-6.767	-302.147	-0.637	-10.977	1.841	13309.29
45003_5003	45003	5003	6.768	302.147	0.627	-9.338	-1.841	-13309.3
45003_5004	45003	5004	-6.768	-266.769	-0.627	9.338	-5.765	16760.34
45004_5004	45004	5004	6.765	220.929	0.46	9.176	5.765	-16760.6
45004_5005	45004	5005	-6.765	-185.53	-0.46	-9.176	-11.353	19227.67
45005_5005	45005	5005	6.765	185.53	0.454	-8.543	11.353	-19227.7
45005_5006	45005	5006	-6.765	-150.105	-0.454	8.543	-16.87	21266.32
45006_5006	45006	5006	6.763	101.909	-0.092	18.221	16.87	-21266.6
45006_5007	45006	5007	-6.763	-66.518	0.092	-18.221	-15.757	22288.68
45007_5007	45007	5007	6.763	66.518	-0.103	-18.223	15.757	-22288.7
45007_5008	45007	5008	-6.763	-31.133	0.103	18.223	-14.511	22881.15
45008_5008	45008	5008	6.769	-15.612	0.614	18.057	14.511	-22881.4
45008_5009	45008	5009	-6.769	51.022	-0.614	-18.057	-21.969	22476.81
45009_5009	45009	5009	6.77	-51.022	0.603	-18.687	21.969	-22476.8
45009_5010	45009	5010	-6.77	86.425	-0.603	18.687	-29.291	21642.47
45010_5010	45010	5010	6.767	-133.207	-0.092	-0.598	29.291	-21642.9
45010_5011	45010	5011	-6.767	168.602	0.092	0.598	-28.18	19811.18
45011_5011	45011	5011	6.767	-168.602	-0.092	-0.598	28.18	-19811.2
45011_5012	45011	5012	-6.767	203.998	0.092	0.598	-27.069	17549.85
45012_5012	45012	5012	6.769	-249.058	0.21	4.341	27.069	-17550.2
45012_5013	45012	5013	-6.769	284.472	-0.21	-4.341	-29.624	14310.43
45013_5013	45013	5013	6.769	-284.472	0.206	-5.983	29.624	-14310.4
45013_5014	45013	5014	-6.769	319.854	-0.206	5.983	-32.117	10644.17
45014_5014	45014	5014	6.772	-367.097	0.583	1.423	32.117	-10644.3
45014_5015	45014	5015	-6.772	414.187	-0.583	-1.423	-41.534	4335.936
45015_5015	45015	5015	11.476	-414.084	0.578	-2.529	41.508	-4331.74
45015_5016	45015	5016	-11.731	436.574	-0.578	2.529	-46.282	820.559
45016_5016	45016	5016	23.451	-478.453	-0.288	-1.705	55.351	-1561.13
45016_5017	45016	5017	-24.504	510.539	0.288	1.705	-51.965	-4249.56
45017_5017	45017	5017	38.782	-509.654	-0.295	0.683	52.131	4249.555
45017_5018	45017	5018	-41.149	548.547	0.295	-0.683	-48.208	-11278.7
45018_5018	45018	5018	60.485	-590.431	-0.022	-8.823	47.481	11278.63
45018_5019	45018	5019	-63.917	628.877	0.022	8.823	-47.2	-18919.1
45019_5019	45019	5019	81.168	-626.884	-0.03	8.14	49.076	18919.12
45019_5020	45019	5020	-85.963	667.853	0.03	-8.14	-48.699	-27066.9
45020_5020	45020	5020	-2503.3	210.831	-15.092	-1.825	373.738	5846.029
45020_5021	45020	5021	2503.303	-184.269	15.092	1.825	-230.42	-3970.09
45021_5021	45021	5021	-2503.31	184.269	-14.695	-1.195	230.42	3970.092
45021_5022	45021	5022	2503.306	-164.683	14.695	1.195	-116.453	-2616.92
45022_5022	45022	5022	-2503.32	164.683	-11.831	1.799	116.453	2616.922
45022_5023	45022	5023	2503.321	-145.126	11.831	-1.799	-24.823	-1417.25
45023_5023	45023	5023	-2503.35	100.876	-6.172	0.159	24.823	1417.244
45023_5024	45023	5024	2503.346	-80.663	6.172	-0.159	24.582	-690.705
45024_5024	45024	5024	-2503.34	80.663	-9.615	-0.791	-24.582	690.704
45024_5025	45024	5025	2503.335	-60.473	9.615	0.791	101.456	-126.491
45025_5025	45025	5025	-2503.35	60.473	-3.062	-0.46	-101.456	126.493
45025_5026	45025	5026	2503.351	-40.262	3.062	0.46	125.959	276.606

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45026_5026	45026	5026	-2503.36	-7.076	-2.439	-0.48	-125.959	-276.606
45026_5027	45026	5027	2503.355	22.233	2.439	0.48	140.597	188.649
45027_5027	45027	5027	-2503.35	-22.233	-2.87	-0.448	-140.597	-188.649
45027_5028	45027	5028	2503.354	37.365	2.87	0.448	157.797	10.089
45028_5028	45028	5028	-2503.36	-37.365	-2.439	-0.45	-157.797	-10.089
45028_5029	45028	5029	2503.355	52.522	2.439	0.45	172.435	-259.667
45029_5029	45029	5029	-2503.36	-52.522	1.71	-0.019	-172.435	259.668
45029_5030	45029	5030	2503.355	67.677	-1.71	0.019	162.171	-620.329
45030_5030	45030	5030	-2503.37	-114.709	1.127	-1.663	-162.171	620.302
45030_5031	45030	5031	2503.365	134.915	-1.127	1.663	153.153	-1618.94
45031_5031	45031	5031	-2503.36	-134.915	4.24	0.351	-153.153	1618.936
45031_5032	45031	5032	2503.362	155.117	-4.24	-0.351	119.232	-2779.08
45032_5032	45032	5032	-2503.36	-155.117	4.24	0.351	-119.232	2779.078
45032_5033	45032	5033	2503.362	175.32	-4.24	-0.351	85.31	-4100.84
45033_5033	45033	5033	-2503.32	-220.325	12.244	-2.702	-85.31	4100.95
45033_5034	45033	5034	2503.315	239.89	-12.244	2.702	-9.547	-5883.68
45034_5034	45034	5034	-2503.32	-239.89	12.244	-2.702	9.547	5883.679
45034_5035	45034	5035	2503.315	259.454	-12.244	2.702	-104.405	-7817.98
45035_5035	45035	5035	-2503.3	-259.454	14.754	5.137	104.405	7817.98
45035_5036	45035	5036	2503.302	285.957	-14.754	-5.137	-244.194	-10401.8
45036_5036	45036	5036	102.839	554.772	0.763	-30.588	0.168	33012.78
45036_5037	45036	5037	-98.044	-513.727	-0.763	30.588	-9.797	-26276.8
45037_5037	45037	5037	83.937	516.22	0.679	27.605	3.746	26276.84
45037_5038	45037	5038	-80.505	-477.714	-0.679	-27.605	-12.272	-20039.5
45038_5038	45038	5038	64.73	441.222	-0.256	-5.108	15.013	20040.22
45038_5039	45038	5039	-62.363	-402.375	0.256	5.108	-11.621	-14443.6
45039_5039	45039	5039	68.517	321.616	-0.45	2.239	13.465	2983.264
45039_5040	45039	5040	-67.476	-289.871	0.45	-2.239	-8.18	610.508
45040_5040	45040	5040	60.784	249.393	0.011	1.323	8.234	-610.488
45040_5041	45040	5041	-60.534	-227.372	-0.011	-1.323	-8.327	2575.818
45041_5041	45041	5041	57.944	228.045	-0.028	-0.496	8.342	-2575.82
45041_5042	45041	5042	-57.944	-190.412	0.028	0.496	-7.908	5865.782
45042_5042	45042	5042	57.946	145.641	0.078	-0.015	7.908	-5865.86
45042_5043	45042	5043	-57.946	-117.098	-0.078	0.015	-8.842	7432.615
45043_5043	45043	5043	57.946	117.098	0.078	-0.015	8.842	-7432.62
45043_5044	45043	5044	-57.946	-88.554	-0.078	0.015	-9.776	8658.946
45044_5044	45044	5044	57.946	43.594	-0.071	-0.358	9.776	-8659.09
45044_5045	45044	5045	-57.946	-15.032	0.071	0.358	-8.934	9008.899
45045_5045	45045	5045	57.946	15.032	-0.066	0.288	8.934	-9008.9
45045_5046	45045	5046	-57.946	13.505	0.066	-0.288	-8.142	9018.003
45046_5046	45046	5046	57.947	-58.679	0.167	6.489	8.142	-9018.12
45046_5047	45046	5047	-57.947	87.236	-0.167	-6.489	-10.134	8147.596
45047_5047	45047	5047	57.948	-87.236	0.074	-6.56	10.134	-8147.6
45047_5048	45047	5048	-57.948	115.766	-0.074	6.56	-11.017	6937.667
45048_5048	45048	5048	57.947	-160.33	-0.148	4.023	11.017	-6937.75
45048_5049	45048	5049	-57.947	188.882	0.148	-4.023	-9.253	4854.792
45049_5049	45049	5049	57.946	-188.882	-0.245	-4.09	9.253	-4854.79
45049_5050	45049	5050	-57.946	217.429	0.245	4.09	-6.334	2431.576
45050_5050	45050	5050	57.95	-262.21	0.378	-0.765	6.334	-2431.6
45050_5051	45050	5051	-57.95	299.807	-0.378	0.765	-12.274	-1982.77
45051_5051	45051	5051	61.352	-299.13	0.296	1.89	12.296	1982.766
45051_5052	45051	5052	-61.583	319.488	-0.296	-1.89	-14.743	-4536.17
45052_5052	45052	5052	69.816	-360.585	-0.037	-6.308	14.521	4536.126

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45052_5053	45052	5053	-70.776	389.836	0.037	6.308	-14.092	-8944.73
45053_5053	45053	5053	84.254	-393.289	-0.147	10.32	23.124	9428.828
45053_5054	45053	5054	-86.549	430.836	0.147	-10.32	-21.168	-14896
45054_5054	45054	5054	102.267	-469.214	-0.209	-16.07	19.144	14895.82
45054_5055	45054	5055	-105.584	506.34	0.209	16.07	-16.523	-21017.5
45055_5055	45055	5055	119.53	-503.23	-0.305	16.778	19.978	21017.54
45055_5056	45055	5056	-124.148	542.609	0.305	-16.778	-16.143	-27597.8
45056_5056	45056	5056	-2259.35	247.97	-10.616	-0.124	232.612	7969.358
45056_5057	45056	5057	2259.352	-222.238	10.616	0.124	-131.829	-5737.36
45057_5057	45057	5057	-2259.35	222.238	-11.519	-2.197	131.829	5694.24
45057_5058	45057	5058	2259.347	-201.694	11.519	2.197	-42.564	-4051.6
45058_5058	45058	5058	-2259.36	201.694	-8.61	3.019	42.564	4051.601
45058_5059	45058	5059	2259.36	-181.152	8.61	-3.019	24.155	-2568.3
45059_5059	45059	5059	-2259.36	138.826	-8.568	-2.339	-24.155	2568.301
45059_5060	45059	5060	2259.358	-117.592	8.568	2.339	92.781	-1541.4
45060_5060	45060	5060	-2259.37	117.592	-3.13	1.372	-92.781	1541.4
45060_5061	45060	5061	2259.372	-96.389	3.13	-1.372	117.813	-685.664
45061_5061	45061	5061	-2259.37	96.389	-3.13	1.372	-117.813	685.664
45061_5062	45061	5062	2259.372	-75.185	3.13	-1.372	142.845	0.481
45062_5062	45062	5062	-2259.38	30.455	-1.653	0.317	-142.845	-0.429
45062_5063	45062	5063	2259.378	-14.54	1.653	-0.317	152.769	135.488
45063_5063	45063	5063	-2259.38	14.54	-1.904	0.332	-152.769	-135.488
45063_5064	45063	5064	2259.378	1.349	1.904	-0.332	164.182	175.018
45064_5064	45064	5064	-2259.38	-1.349	2.102	0.022	-164.182	-175.019
45064_5065	45064	5065	2259.378	17.262	-2.102	-0.022	151.562	119.163
45065_5065	45065	5065	-2259.38	-17.262	2.102	0.022	-151.562	-119.163
45065_5066	45065	5066	2259.378	33.175	-2.102	-0.022	138.941	-32.215
45066_5066	45066	5066	-2259.38	-77.901	4.113	-0.51	-138.941	32.336
45066_5067	45066	5067	2259.382	99.099	-4.113	0.51	106.05	-740.005
45067_5067	45067	5067	-2259.38	-99.099	4.113	-0.51	-106.05	740.005
45067_5068	45067	5068	2259.382	120.297	-4.113	0.51	73.158	-1617.18
45068_5068	45068	5068	-2259.38	-120.297	7.11	1.635	-73.158	1617.179
45068_5069	45068	5069	2259.375	141.52	-7.11	-1.635	16.239	-2665.19
45069_5069	45069	5069	-2259.36	-183.566	9.082	-5.22	-16.239	2665.29
45069_5070	45069	5070	2259.357	204.098	-9.082	5.22	-54.102	-4166.5
45070_5070	45070	5070	-2259.34	-204.098	12.171	0.476	54.102	4166.499
45070_5071	45070	5071	2259.343	224.654	-12.171	-0.476	-148.478	-5828.83
45071_5071	45071	5071	-2259.34	-224.654	13.515	4.201	148.478	5871.941
45071_5072	45071	5072	2259.335	250.396	-13.515	-4.201	-276.828	-8127.75
45072_5072	45072	5072	122.798	536.236	0.142	-16.66	15.494	27790.91
45072_5073	45072	5073	-118.18	-496.861	-0.142	16.66	-17.28	-21291.5
45073_5073	45073	5073	104.418	499.934	0.047	16.739	13.786	21291.49
45073_5074	45073	5074	-101.101	-462.82	-0.047	-16.739	-14.374	-15252
45074_5074	45074	5074	85.878	429.804	0.61	-0.786	15.884	15252.45
45074_5075	45074	5075	-83.583	-392.246	-0.61	0.786	-23.986	-9797.37
45075_5075	45075	5075	65.15	312.892	-0.209	-1.797	12.508	-2575.78
45075_5076	45075	5076	-64.222	-284.59	0.209	1.797	-10.048	6086.656
45076_5076	45076	5076	57.682	248.302	-0.052	5.542	9.921	-6086.79
45076_5077	45076	5077	-57.459	-228.622	0.052	-5.542	-9.492	8054.708
45077_5077	45077	5077	54.858	229.26	-0.12	-4.566	9.554	-8070.67
45077_5078	45077	5078	-54.858	-193.201	0.12	4.566	-7.845	11082.87
45078_5078	45078	5078	54.859	153.915	0.024	11.501	7.845	-11083
45078_5079	45078	5079	-54.859	-125.556	-0.024	-11.501	-8.115	12650.18

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45079_5079	45079	5079	54.859	125.556	-0.074	-11.03	8.115	-12650.2
45079_5080	45079	5080	-54.859	-97.201	0.074	11.03	-7.288	13899.18
45080_5080	45080	5080	54.86	58.004	0.098	13.029	7.288	-13899.3
45080_5081	45080	5081	-54.86	-29.648	-0.098	-13.029	-8.392	14390.78
45081_5081	45081	5081	54.86	29.648	0.001	-12.607	8.392	-14390.8
45081_5082	45081	5082	-54.86	-1.295	-0.001	12.607	-8.399	14564.26
45082_5082	45082	5082	54.86	-39.211	-0.068	0.34	8.399	-14564.6
45082_5083	45082	5083	-54.86	69.663	0.068	-0.34	-7.576	13908.97
45083_5083	45083	5083	54.86	-69.663	-0.07	-0.196	7.576	-13909
45083_5084	45083	5084	-54.86	100.14	0.07	0.196	-6.728	12885.65
45084_5084	45084	5084	54.86	-140.928	-0.066	9.896	6.728	-12885.9
45084_5085	45084	5085	-54.86	169.277	0.066	-9.896	-5.991	11146.97
45085_5085	45085	5085	54.86	-169.277	-0.163	-9.971	5.991	-11147
45085_5086	45085	5086	-54.86	197.623	0.163	9.971	-4.158	9090.447
45086_5086	45086	5086	54.861	-236.266	0.016	5.669	4.158	-9090.5
45086_5087	45086	5087	-54.861	264.613	-0.016	-5.669	-4.335	6282.998
45087_5087	45087	5087	54.861	-264.613	-0.084	-5.76	4.335	-6283
45087_5088	45087	5088	-54.861	292.982	0.084	5.76	-3.392	3155.048
45088_5088	45088	5088	54.863	-331.622	0.223	-1.052	3.392	-3155.11
45088_5089	45088	5089	-54.863	366.317	-0.223	1.052	-6.449	-1633.11
45089_5089	45089	5089	59.024	-365.67	0.153	0.92	6.46	1649.07
45089_5090	45089	5090	-59.26	386.456	-0.153	-0.92	-7.719	-4750.31
45090_5090	45090	5090	68.808	-424.122	-0.207	-11.087	7.348	4750.24
45090_5091	45090	5091	-69.789	454.024	0.207	11.087	-4.912	-9911.07
45091_5091	45091	5091	85.333	-456.86	-0.345	9.332	11.019	10306.46
45091_5092	45091	5092	-87.583	493.789	0.345	-9.332	-6.443	-16613.9
45092_5092	45092	5092	105.032	-531.725	-0.312	-9.663	5.024	16613.77
45092_5093	45092	5093	-108.288	568.245	0.312	9.663	-1.108	-23512.6
45093_5093	45093	5093	123.891	-565.048	-0.36	9.628	3.102	23512.59
45093_5094	45093	5094	-128.432	603.854	0.36	-9.628	1.426	-30869.7
45094_5094	45094	5094	-2450.32	226.151	-6.912	-3.427	91.642	8357.771
45094_5095	45094	5095	2450.32	-200.86	6.912	3.427	-26.009	-6330.52
45095_5095	45095	5095	-2450.32	200.86	-5.914	-0.848	26.009	6330.524
45095_5096	45095	5096	2450.322	-180.8	5.914	0.848	19.847	-4850.82
45096_5096	45096	5096	-2450.33	180.8	-2.853	5.211	-19.847	4850.82
45096_5097	45096	5097	2450.328	-160.766	2.853	-5.211	41.942	-3528.33
45097_5097	45097	5097	-2450.34	120.139	0.1	-0.948	-41.942	3528.294
45097_5098	45097	5098	2450.344	-99.433	-0.1	0.948	41.14	-2649.61
45098_5098	45098	5098	-2450.34	99.433	0.1	-0.948	-41.14	2649.608
45098_5099	45098	5099	2450.344	-78.727	-0.1	0.948	40.338	-1936.65
45099_5099	45099	5099	-2450.34	78.727	3.072	1.401	-40.338	1936.646
45099_5100	45099	5100	2450.342	-58.047	-3.072	-1.401	15.78	-1390.01
45100_5100	45100	5100	-2450.34	14.679	3.579	2.207	-15.78	1390.004
45100_5101	45100	5101	2450.343	0.85	-3.579	-2.207	-5.703	-1348.5
45101_5101	45101	5101	-2450.33	-0.85	7.66	4.453	5.703	1348.492
45101_5102	45101	5102	2450.334	16.378	-7.66	-4.453	-51.678	-1400.19
45102_5102	45102	5102	-2450.33	-16.378	-8.661	-4.874	51.678	1400.191
45102_5103	45102	5103	2450.331	31.909	8.661	4.874	0.317	-1545.13
45103_5103	45103	5103	-2450.34	-31.909	-4.711	-2.383	-0.317	1545.137
45103_5104	45103	5104	2450.341	47.414	4.711	2.383	28.549	-1782.83
45104_5104	45104	5104	-2450.34	-90.955	-3.121	-2.239	-28.549	1782.834
45104_5105	45104	5105	2450.343	111.662	3.121	2.239	53.529	-2593.7
45105_5105	45105	5105	-2450.35	-111.662	-0.153	0.903	-53.529	2593.699

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45105_5106	45105	5106	2450.345	132.342	0.153	-0.903	54.75	-3568.94
45106_5106	45106	5106	-2450.35	-132.342	-0.061	1.037	-54.75	3568.937
45106_5107	45106	5107	2450.345	153.049	0.061	-1.037	55.237	-4711.02
45107_5107	45107	5107	-2450.34	-193.832	4.21	-3.415	-55.237	4711.077
45107_5108	45107	5108	2450.337	213.89	-4.21	3.415	22.601	-6291.64
45108_5108	45108	5108	-2450.34	-213.89	4.12	-3.646	-22.601	6291.635
45108_5109	45108	5109	2450.337	233.922	-4.12	3.646	-9.299	-8025.37
45109_5109	45109	5109	-2450.33	-233.922	6.704	4.817	9.299	8025.369
45109_5110	45109	5110	2450.332	259.236	-6.704	-4.817	-73.008	-10368.7
45110_5110	45110	5110	123.129	560.593	0.016	-21.206	6.141	33259.57
45110_5111	45110	5111	-118.589	-521.797	-0.016	21.206	-6.34	-26448.8
45111_5111	45111	5111	104.178	524.864	-0.074	20.228	2.042	26448.78
45111_5112	45111	5112	-100.921	-488.356	0.074	-20.228	-1.108	-20096.2
45112_5112	45112	5112	85.087	457.254	0.122	-3.431	3.116	20096.61
45112_5113	45112	5113	-82.836	-420.31	-0.122	3.431	-4.73	-14272
45113_5113	45113	5113	60.941	339.521	-0.209	1.327	14.621	1832.036
45113_5114	45113	5114	-59.97	-309.908	0.209	-1.327	-12.167	1985.892
45114_5114	45114	5114	52.903	274.112	-0.151	1.112	12.192	-1985.93
45114_5115	45114	5115	-52.669	-253.547	0.151	-1.112	-10.946	4160.429
45115_5115	45115	5115	49.782	254.129	-0.164	-0.166	10.958	-4174.74
45115_5116	45115	5116	-49.782	-220.595	0.164	0.166	-8.617	7555.483
45116_5116	45116	5116	49.782	182.7	-0.106	4.303	8.617	-7555.49
45116_5117	45116	5117	-49.782	-156.303	0.106	-4.303	-7.425	9455.932
45117_5117	45117	5117	49.781	156.303	-0.151	-4.13	7.425	-9455.93
45117_5118	45117	5118	-49.781	-129.905	0.151	4.13	-5.736	11060.38
45118_5118	45118	5118	49.781	91.658	-0.089	5.32	5.736	-11060.4
45118_5119	45118	5119	-49.781	-65.261	0.089	-5.32	-4.737	11940.04
45119_5119	45119	5119	49.781	65.261	-0.133	-5.329	4.737	-11940
45119_5120	45119	5120	-49.781	-38.865	0.133	5.329	-3.241	12523.74
45120_5120	45120	5120	49.781	-0.562	-0.093	15.263	3.241	-12523.7
45120_5121	45120	5121	-49.781	28.936	0.093	-15.263	-2.115	12345.98
45121_5121	45121	5121	49.781	-28.936	-0.217	-15.34	2.115	-12346
45121_5122	45121	5122	-49.781	57.286	0.217	15.34	0.495	11826.88
45122_5122	45122	5122	49.781	-96.288	-0.141	4.623	-0.495	-11826.9
45122_5123	45122	5123	-49.781	122.683	0.141	-4.623	2.081	10599.47
45123_5123	45123	5123	49.781	-122.683	-0.186	-4.831	-2.081	-10599.5
45123_5124	45123	5124	-49.781	149.077	0.186	4.831	4.165	9076.173
45124_5124	45124	5124	49.78	-186.587	0.019	5.956	-4.165	-9076.11
45124_5125	45124	5125	-49.78	212.982	-0.019	-5.956	3.951	6836.415
45125_5125	45125	5125	49.78	-212.982	-0.07	-6.24	-3.951	-6836.42
45125_5126	45125	5126	-49.78	239.375	0.07	6.24	4.732	4300.872
45126_5126	45126	5126	49.78	-275.924	-0.493	-0.12	-4.732	-4300.84
45126_5127	45126	5127	-49.78	308.11	0.493	0.12	11.471	308.86
45127_5127	45127	5127	53.277	-307.525	-0.555	-0.217	-11.474	-294.548
45127_5128	45127	5128	-53.492	326.429	0.555	0.217	16.057	-2320.67
45128_5128	45128	5128	61.606	-359.932	1.287	-5.028	-16.227	2320.624
45128_5129	45128	5129	-62.498	387.142	-1.287	5.028	1.102	-6711.65
45129_5129	45129	5129	80.198	-390.121	1.07	9.076	-4.525	7219.291
45129_5130	45129	5130	-82.377	425.892	-1.07	-9.076	-9.682	-12633.8
45130_5130	45130	5130	97.633	-460.875	-3.368	-7.88	8.446	12633.72
45130_5131	45130	5131	-100.792	496.304	3.368	7.88	33.823	-18637.8
45131_5131	45131	5131	114.456	-493.332	-3.413	7.866	-32.294	18637.8
45131_5132	45131	5132	-118.868	531.017	3.413	-7.866	75.25	-25081

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45132_5132	45132	5132	-2151.98	217.191	23.276	9.678	-285.561	6392.234
45132_5133	45132	5133	2151.981	-192.72	-23.276	-9.678	64.441	-4445.16
45133_5133	45133	5133	-2151.95	192.72	26.052	15.413	-64.441	4445.14
45133_5134	45133	5134	2151.949	-174.47	-26.052	-15.413	-137.465	-3022.28
45134_5134	45134	5134	-2152.11	174.47	-1.683	-23.537	137.465	3022.225
45134_5135	45134	5135	2152.106	-156.194	1.683	23.537	-124.407	-1739.16
45135_5135	45135	5135	-2152.09	109.069	-3.444	-0.784	124.407	1739.529
45135_5136	45135	5136	2152.085	-90.228	3.444	0.784	-96.853	-942.292
45136_5136	45136	5136	-2152.09	90.228	-0.754	0.393	96.853	942.292
45136_5137	45136	5137	2152.087	-71.388	0.754	-0.393	-90.82	-295.796
45137_5137	45137	5137	-2152.08	71.388	-3.474	0.02	90.82	295.796
45137_5138	45137	5138	2152.084	-52.571	3.474	-0.02	-63.059	199.45
45138_5138	45138	5138	-2152.09	6.779	-3.41	0.033	63.059	-199.568
45138_5139	45138	5139	2152.089	7.352	3.41	-0.033	-42.597	197.849
45139_5139	45139	5139	-2152.09	-7.352	0.176	-0.297	42.597	-197.849
45139_5140	45139	5140	2152.091	21.482	-0.176	0.297	-43.655	111.343
45140_5140	45140	5140	-2152.09	-21.482	-3.41	-0.111	43.655	-111.343
45140_5141	45140	5141	2152.089	35.612	3.41	0.111	-23.194	-59.952
45141_5141	45141	5141	-2152.09	-35.612	0.176	-0.011	23.194	59.952
45141_5142	45141	5142	2152.091	49.743	-0.176	0.011	-24.252	-316.03
45142_5142	45142	5142	-2152.09	-94.528	-2.262	-0.1	24.252	315.925
45142_5143	45142	5143	2152.092	113.368	2.262	0.1	-6.153	-1147.56
45143_5143	45143	5143	-2152.09	-113.368	-2.262	-0.1	6.153	1147.562
45143_5144	45143	5144	2152.092	132.209	2.262	0.1	11.945	-2129.93
45144_5144	45144	5144	-2152.09	-132.209	-2.262	-0.1	-11.945	2129.933
45144_5145	45144	5145	2152.092	151.049	2.262	0.1	30.044	-3263.04
45145_5145	45145	5145	-2152.09	-192.569	-0.918	2.266	-30.044	3262.945
45145_5146	45145	5146	2152.093	210.821	0.918	-2.266	37.157	-4826.16
45146_5146	45146	5146	-2152.09	-210.821	-0.918	2.266	-37.157	4826.162
45146_5147	45146	5147	2152.093	229.072	0.918	-2.266	44.27	-6530.84
45147_5147	45147	5147	-2152.09	-229.072	-3.621	-5.938	-44.27	6530.835
45147_5148	45147	5148	2152.091	253.544	3.621	5.938	78.674	-8823.42
45148_5148	45148	5148	108.936	487.559	-0.004	-9.394	-9.1	28105.45
45148_5149	45148	5149	-104.523	-449.871	0.004	9.394	9.148	-22208.8
45149_5149	45149	5149	92.062	452.586	-0.045	8.557	-10.981	22208.82
45149_5150	45149	5150	-88.903	-417.155	0.045	-8.557	11.546	-16753.1
45150_5150	45150	5150	75.342	389.704	0.107	-0.743	-10.715	16753.18
45150_5151	45150	5151	-73.162	-353.931	-0.107	0.743	9.293	-11818.8
45151_5151	45151	5151	64.498	263.116	0.018	0.045	-7.247	-193.741
45151_5152	45151	5152	-63.581	-235.161	-0.018	-0.045	7.03	3122.423
45152_5152	45152	5152	58.114	200.152	0.112	-0.063	-7.025	-3122.42
45152_5153	45152	5153	-57.894	-180.726	-0.112	0.063	6.104	4693.683
45153_5153	45153	5153	55.836	181.372	0.112	0.044	-6.104	-4693.68
45153_5154	45153	5154	-55.836	-150.02	-0.112	-0.044	4.564	6970.484
45154_5154	45154	5154	55.837	110.665	0.108	0.021	-4.564	-6970.48
45154_5155	45154	5155	-55.837	-85.565	-0.108	-0.021	3.375	8049.813
45155_5155	45155	5155	55.837	85.565	0.108	0.021	-3.375	-8049.81
45155_5156	45155	5156	-55.837	-60.465	-0.108	-0.021	2.187	8853.026
45156_5156	45156	5156	55.837	20.961	0.06	-0.019	-2.187	-8853.03
45156_5157	45156	5157	-55.837	1.88	-0.06	0.019	1.59	8948.535
45157_5157	45157	5157	55.837	-1.88	0.06	0.079	-1.59	-8948.54
45157_5158	45157	5158	-55.837	24.699	-0.06	-0.079	0.987	8815.632
45158_5158	45158	5158	55.836	-62.253	0.092	-4.019	-0.987	-8815.56

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45158_5159	45158	5159	-55.836	85.093	-0.092	4.019	0.071	8078.055
45159_5159	45159	5159	55.836	-85.093	0.147	4.05	-0.071	-8078.06
45159_5160	45159	5160	-55.836	107.935	-0.147	-4.05	-1.404	7111.892
45160_5160	45160	5160	55.837	-147.819	0.092	0.023	1.404	-7111.93
45160_5161	45160	5161	-55.837	172.919	-0.092	-0.023	-2.411	5347.77
45161_5161	45161	5161	55.837	-172.919	0.092	0.023	2.411	-5347.77
45161_5162	45161	5162	-55.837	198.019	-0.092	-0.023	-3.419	3307.494
45162_5162	45162	5162	55.838	-237.869	-0.039	-0.018	3.419	-3307.5
45162_5163	45162	5163	-55.838	269.222	0.039	0.018	-2.882	-176.457
45163_5163	45163	5163	58.893	-268.57	-0.08	0.079	2.884	176.457
45163_5164	45163	5164	-59.114	287.996	0.08	-0.079	-2.223	-2472.52
45164_5164	45164	5164	66.504	-324.346	0.135	2.894	2.318	2472.533
45164_5165	45164	5165	-67.421	352.3	-0.135	-2.894	-3.902	-6449.73
45165_5165	45165	5165	79.558	-357.56	0.312	-4.396	3.148	7103.979
45165_5166	45165	5166	-81.766	393.8	-0.312	4.396	-7.286	-12089.6
45166_5166	45166	5166	96.262	-430.282	0.214	-6.694	6.973	12089.66
45166_5167	45166	5167	-99.46	466.154	-0.214	6.694	-9.665	-17712.9
45167_5167	45167	5167	112.295	-463.23	0.168	7.114	11.124	17712.92
45167_5168	45167	5168	-116.759	501.358	-0.168	-7.114	-13.243	-23780.4
45168_5168	45168	5168	-2082.21	235.147	-1.42	-2.497	11.518	6554.117
45168_5169	45168	5169	2082.213	-210.34	1.42	2.497	1.975	-4437.91
45169_5169	45169	5169	-2082.21	210.34	1.168	3.019	-1.975	4437.912
45169_5170	45169	5170	2082.213	-191.609	-1.168	-3.019	-7.065	-2882.28
45170_5170	45170	5170	-2082.21	191.609	-1.491	-0.661	7.065	2882.286
45170_5171	45170	5171	2082.212	-172.854	1.491	0.661	4.49	-1469.9
45171_5171	45171	5171	-2082.21	127.098	1.668	0.425	-4.49	1469.77
45171_5172	45171	5172	2082.213	-107.738	-1.668	-0.425	-8.854	-530.378
45172_5172	45172	5172	-2082.21	107.738	-0.935	-0.238	8.854	530.378
45172_5173	45172	5173	2082.213	-88.378	0.935	0.238	-1.377	254.135
45173_5173	45173	5173	-2082.21	88.378	-0.935	-0.238	1.377	-254.135
45173_5174	45173	5174	2082.213	-69.017	0.935	0.238	6.1	883.756
45174_5174	45174	5174	-2082.22	20.864	1.969	-0.788	-6.1	-883.877
45174_5175	45174	5175	2082.215	-6.344	-1.969	0.788	-5.715	965.504
45175_5175	45175	5175	-2082.22	6.344	-1.501	0.821	5.715	-965.504
45175_5176	45175	5176	2082.216	8.177	1.501	-0.821	3.291	960.005
45176_5176	45176	5176	-2082.22	-8.177	1.969	-0.779	-3.291	-960.005
45176_5177	45176	5177	2082.215	22.697	-1.969	0.779	-8.525	867.38
45177_5177	45177	5177	-2082.22	-22.697	-1.501	0.667	8.525	-867.38
45177_5178	45177	5178	2082.216	37.217	1.501	-0.667	0.481	687.627
45178_5178	45178	5178	-2082.22	-85.282	-0.523	-0.434	-0.481	-687.764
45178_5179	45178	5179	2082.216	104.642	0.523	0.434	4.662	-71.978
45179_5179	45179	5179	-2082.22	-104.642	-0.523	-0.434	-4.662	71.978
45179_5180	45179	5180	2082.216	124.002	0.523	0.434	8.843	-986.613
45180_5180	45180	5180	-2082.22	-124.002	2.08	0.799	-8.843	986.613
45180_5181	45180	5181	2082.215	143.362	-2.08	-0.799	-7.797	-2056.12
45181_5181	45181	5181	-2082.21	-188.431	-1.649	-0.951	7.797	2056.141
45181_5182	45181	5182	2082.212	207.186	1.649	0.951	4.987	-3589.26
45182_5182	45182	5182	-2082.21	-207.186	1.037	3.679	-4.987	3589.256
45182_5183	45182	5183	2082.212	225.941	-1.037	-3.679	-3.05	-5267.71
45183_5183	45183	5183	-2082.21	-225.941	-1.579	-2.938	3.05	5267.713
45183_5184	45183	5184	2082.212	250.748	1.579	2.938	11.949	-7532.14
45184_5184	45184	5184	129.427	488.241	-0.051	7.662	-10.523	25086.77
45184_5185	45184	5185	-124.963	-450.113	0.051	-7.662	11.164	-19184.4

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45185_5185	45185	5185	112.486	453.392	0.006	-7.318	-9.585	19184.37
45185_5186	45185	5186	-109.288	-417.521	-0.006	7.318	9.503	-13721.3
45186_5186	45186	5186	95.418	385.756	-0.392	-0.554	-10.101	13721.3
45186_5187	45186	5187	-93.21	-349.517	0.392	0.554	15.305	-8842.47
45187_5187	45187	5187	71.982	256.962	0.125	0.664	-1.257	-3201.85
45187_5188	45187	5188	-71.024	-227.742	-0.125	-0.664	-0.213	6050.742
45188_5188	45188	5188	65.685	189.82	-0.102	0.062	0.234	-6050.7
45188_5189	45188	5189	-65.455	-169.53	0.102	-0.062	0.61	7531.354
45189_5189	45189	5189	63.522	170.264	-0.103	-0.015	-0.609	-7521.93
45189_5190	45189	5190	-63.522	-136.006	0.103	0.015	2.028	9627.665
45190_5190	45190	5190	63.519	92.572	0.19	0.01	-2.028	-9627.67
45190_5191	45190	5191	-63.519	-65.166	-0.19	-0.01	-0.067	10495.27
45191_5191	45191	5191	63.519	65.166	0.19	0.01	0.067	-10495.3
45191_5192	45191	5192	-63.519	-37.759	-0.19	-0.01	-2.162	11061.39
45192_5192	45192	5192	63.521	-5.439	-0.072	0.076	2.162	-11061.4
45192_5193	45192	5193	-63.521	30.403	0.072	-0.076	-1.441	10881.82
45193_5193	45193	5193	63.521	-30.403	-0.073	-0.043	1.441	-10881.8
45193_5194	45193	5194	-63.521	55.393	0.073	0.043	-0.713	10451.53
45194_5194	45194	5194	63.518	-96.492	0.129	0.004	0.713	-10451.5
45194_5195	45194	5195	-63.518	121.482	-0.129	-0.004	-2.002	9358.319
45195_5195	45195	5195	63.518	-121.482	0.129	0.004	2.002	-9358.32
45195_5196	45195	5196	-63.518	146.471	-0.129	-0.004	-3.291	8014.455
45196_5196	45196	5196	63.521	-190.237	-0.013	-0.008	3.291	-8014.45
45196_5197	45196	5197	-63.521	217.643	0.013	0.008	-3.151	5770.978
45197_5197	45197	5197	63.521	-217.643	-0.013	-0.008	3.151	-5770.98
45197_5198	45197	5198	-63.521	245.049	0.013	0.008	-3.011	3226.021
45198_5198	45198	5198	63.52	-289.517	0.063	-0.022	3.011	-3226.02
45198_5199	45198	5199	-63.52	323.75	-0.063	0.022	-3.875	-987.37
45199_5199	45199	5199	67.266	-322.992	0.062	-0.041	3.874	969.092
45199_5200	45199	5200	-67.511	344.148	-0.062	0.041	-4.389	-3721.34
45200_5200	45200	5200	76.44	-385.49	-0.038	0.843	4.42	3721.303
45200_5201	45200	5201	-77.456	415.908	0.038	-0.843	-3.97	-8431.98
45201_5201	45201	5201	92.388	-421.307	0.033	-1.52	8.175	9157.129
45201_5202	45201	5202	-94.89	461.812	-0.033	1.52	-8.612	-15017.7
45202_5202	45202	5202	112.049	-504.857	-0.075	8.343	9.477	15017.58
45202_5203	45202	5203	-115.648	544.753	0.075	-8.343	-8.536	-21602.6
45203_5203	45203	5203	130.678	-541.344	-0.022	-9.057	6.735	21602.6
45203_5204	45203	5204	-135.66	583.498	0.022	9.057	-6.458	-28679.5
45204_5204	45204	5204	-2416.39	257.484	-2.595	2.072	97.349	8100.209
45204_5205	45204	5205	2416.393	-229.619	2.595	-2.072	-72.691	-5786.34
45205_5205	45205	5205	-2416.39	229.619	-5.221	-3.574	72.691	5490.132
45205_5206	45205	5206	2416.389	-208.368	5.221	3.574	-32.228	-3792.82
45206_5206	45206	5206	-2416.39	208.368	-2.103	1.319	32.228	3792.82
45206_5207	45206	5207	2416.393	-187.118	2.103	-1.319	-15.928	-2260.23
45207_5207	45207	5207	-2416.4	139.566	-3.74	-0.082	15.928	2260.236
45207_5208	45207	5208	2416.402	-117.63	3.74	0.082	13.995	-1231.39
45208_5208	45208	5208	-2416.4	117.63	-3.74	-0.082	-13.995	1231.388
45208_5209	45208	5209	2416.402	-95.694	3.74	0.082	43.917	-378.041
45209_5209	45209	5209	-2416.4	95.694	-3.74	-0.082	-43.917	378.041
45209_5210	45209	5210	2416.402	-73.757	3.74	0.082	73.84	299.806
45210_5210	45210	5210	-2416.44	24.421	1.191	-0.339	-73.84	-299.817
45210_5211	45210	5211	2416.435	-7.97	-1.191	0.339	66.693	396.995
45211_5211	45211	5211	-2416.43	7.97	-2.836	0.323	-66.693	-396.995

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45211_5212	45211	5212	2416.433	8.483	2.836	-0.323	83.708	395.456
45212_5212	45212	5212	-2416.44	-8.483	1.191	-0.336	-83.708	-395.456
45212_5213	45212	5213	2416.435	24.935	-1.191	0.336	76.561	295.199
45213_5213	45213	5213	-2416.43	-24.935	-2.836	0.156	-76.561	-295.199
45213_5214	45213	5214	2416.433	41.387	2.836	-0.156	93.577	96.222
45214_5214	45214	5214	-2416.5	-90.418	1.642	0.098	-93.577	-96.11
45214_5215	45214	5215	2416.501	112.355	-1.642	-0.098	80.444	-715.034
45215_5215	45215	5215	-2416.5	-112.355	4.662	0.992	-80.444	715.033
45215_5216	45215	5216	2416.497	134.291	-4.662	-0.992	43.148	-1701.66
45216_5216	45216	5216	-2416.5	-134.291	1.642	-1.135	-43.148	1701.664
45216_5217	45216	5217	2416.501	156.227	-1.642	1.135	30.015	-2863.81
45217_5217	45217	5217	-2416.52	-202.827	1.931	-17.451	-30.015	2863.618
45217_5218	45217	5218	2416.516	224.051	-1.931	17.451	15.07	-4515.75
45218_5218	45218	5218	-2416.51	-224.051	5.085	-11.557	-15.07	4515.768
45218_5219	45218	5219	2416.511	245.301	-5.085	11.557	-24.339	-6334.6
45219_5219	45219	5219	-2416.44	-245.301	19.854	29.592	24.339	6630.771
45219_5220	45219	5220	2416.435	273.165	-19.854	-29.592	-212.949	-9093.51
45220_5220	45220	5220	118.021	562.755	0.543	-37.321	-0.85	29889.32
45220_5221	45220	5221	-113.039	-520.604	-0.543	37.321	-5.982	-23073.8
45221_5221	45221	5221	98.589	523.533	0.379	36.062	-1.687	23073.82
45221_5222	45221	5222	-94.99	-483.638	-0.379	-36.062	-3.07	-16755.3
45222_5222	45222	5222	78.658	443.661	0.542	-2.859	6.486	16755.65
45222_5223	45222	5223	-76.156	-403.155	-0.542	2.859	-13.685	-11136.1
45223_5223	45223	5223	65.147	306.818	0.32	-2.08	-5.061	-1461.71
45223_5224	45223	5224	-64.078	-274.81	-0.32	2.08	1.296	4880.681
45224_5224	45224	5224	57.518	228.417	0.425	14.548	-1.533	-4881
45224_5225	45224	5225	-57.26	-206.145	-0.425	-14.548	-1.97	6673.932
45225_5225	45225	5225	54.869	206.794	0.214	-11.116	2.139	-6666.29
45225_5226	45225	5226	-54.869	-163.608	-0.214	11.116	-5.445	9526.484
45226_5226	45226	5226	54.87	110.659	0.683	22.506	5.445	-9526.37
45226_5227	45226	5227	-54.87	-77.511	-0.683	-22.506	-13.545	10641.67
45227_5227	45227	5227	54.872	77.511	0.452	-22.36	13.545	-10641.7
45227_5228	45227	5228	-54.872	-44.359	-0.452	22.36	-18.904	11364.08
45228_5228	45228	5228	54.869	-9.616	0.686	23.254	18.904	-11363.1
45228_5229	45228	5229	-54.869	42.771	-0.686	-23.254	-27.034	11052.54
45229_5229	45229	5229	54.871	-42.771	0.454	-23.324	27.034	-11052.5
45229_5230	45229	5230	-54.871	75.931	-0.454	23.324	-32.423	10348.75
45230_5230	45230	5230	54.882	-131.446	-0.113	13.772	32.423	-10347
45230_5231	45230	5231	-54.882	165.533	0.113	-13.772	-31.051	8536.902
45231_5231	45231	5231	54.881	-165.533	-0.292	-14.215	31.051	-8536.9
45231_5232	45231	5232	-54.881	199.625	0.292	14.215	-27.486	6310.986
45232_5232	45232	5232	54.799	-254.31	2.984	5.921	27.486	-6309.67
45232_5233	45232	5233	-54.799	280.01	-2.984	-5.921	-54.907	3854.324
45233_5233	45233	5233	57.493	-279.47	2.902	-0.33	54.906	-3854.33
45233_5234	45233	5234	-57.682	299.137	-2.902	0.33	-74.899	1861.426
45234_5234	45234	5234	62.468	-298.175	2.775	-5.849	74.774	-1861.42
45234_5235	45234	5235	-63.037	320.379	-2.775	5.849	-96.26	-533.172
45235_5235	45235	5235	69.663	-366.705	-1.874	-6.968	96.177	533.283
45235_5236	45235	5236	-70.283	382.214	1.874	6.968	-86.112	-2544.68
45236_5236	45236	5236	63.992	-396.377	-2.425	-1.229	173.301	4250.238
45236_5237	45236	5237	-65.664	426.464	2.425	1.229	-152.767	-7732.97
45237_5237	45237	5237	72.664	-425.326	-2.512	12.123	153.87	7732.943
45237_5238	45237	5238	-74.387	449.222	2.512	-12.123	-137.273	-10622.2

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45238_5238	45238	5238	87.022	-499.256	-1.836	-18.732	134.909	10619.22
45238_5239	45238	5239	-90.321	535.863	1.836	18.732	-116.777	-15730.8
45239_5239	45239	5239	119.879	-530.033	-1.933	11.217	120.886	15730.74
45239_5240	45239	5240	-125.906	571.212	1.933	-11.217	-100.21	-21617
45240_5240	45240	5240	-2284.1	302.733	-72.874	-5.321	1433.158	6422.535
45240_5241	45240	5241	2284.103	-260.231	72.874	5.321	-537.777	-2964.04
45241_5241	45241	5241	-2284.38	260.231	-63.468	6.885	537.777	2964.035
45241_5242	45241	5242	2284.384	-240.278	63.468	-6.885	-166.213	-1498.95
45242_5242	45242	5242	-2284.43	240.278	-61.712	8.037	166.213	1498.944
45242_5243	45242	5243	2284.432	-218.616	61.712	-8.037	226.024	-40.591
45243_5243	45243	5243	-2287.06	169.716	-11.537	2.916	-226.024	40.296
45243_5244	45243	5244	2287.056	-136.225	11.537	-2.916	339.396	1462.854
45244_5244	45244	5244	-2287.08	136.225	-3.862	-1.993	-339.396	-1462.86
45244_5245	45244	5245	2287.082	-102.863	3.862	1.993	377.203	2633.045
45245_5245	45245	5245	-2286.21	61.319	-16.176	5.433	-377.203	-2632.35
45245_5246	45245	5246	2286.211	-26.754	16.176	-5.433	541.253	3078.951
45246_5246	45246	5246	-2286.25	26.754	-8.43	-4.998	-541.253	-3078.95
45246_5247	45246	5247	2286.252	5.564	8.43	4.998	621.189	3179.416
45247_5247	45247	5247	-2286.1	-49.762	-6.05	4.372	-621.189	-3178.63
45247_5248	45247	5248	2286.096	81.437	6.05	-4.372	677.411	2568.977
45248_5248	45248	5248	-2286.1	-81.437	1.035	-3.589	-677.411	-2568.98
45248_5249	45248	5249	2286.104	116.644	-1.035	3.589	666.723	1545.874
45249_5249	45249	5249	-2287.24	-156.623	38.015	0.545	-666.723	-1545.54
45249_5250	45249	5250	2287.235	191.086	-38.015	-0.545	282.32	-212.462
45250_5250	45250	5250	-2287.13	-191.086	43.957	1.097	-282.32	212.46
45250_5251	45250	5251	2287.128	223.504	-43.957	-1.097	-135.79	-2184.2
45251_5251	45251	5251	-2284.65	-281.125	-26.599	-38.395	135.79	2182.8
45251_5252	45251	5252	2284.653	301.737	26.599	38.395	25.075	-3945.34
45252_5252	45252	5252	-2284.69	-301.737	-23.05	-32.267	-25.075	3945.392
45252_5253	45252	5253	2284.692	323.072	23.05	32.267	169.364	-5900.98
45253_5253	45253	5253	-2284.74	-323.072	-17.132	-16.982	-169.364	5901.043
45253_5254	45253	5254	2284.744	355.926	17.132	16.982	332.079	-9125.48
45254_5254	45254	5254	145.817	554.435	-79.508	237.074	-248.515	26114.83
45254_5255	45254	5255	-144.45	-543.758	79.508	-237.074	463.709	-24628.7
45255_5255	45255	5255	126.393	493.585	41.727	-28.711	-429.294	24623.07
45255_5256	45255	5256	-121.039	-445.287	-41.727	28.711	-96.648	-18708.7
45256_5256	45256	5256	110.636	448.011	41.448	41.873	89.605	18708.7
45256_5257	45256	5257	-107.705	-414.309	-41.448	-41.873	-468.328	-14769.8
45257_5257	45257	5257	97.962	360.655	-20.979	-35.688	473.84	14768.19
45257_5258	45257	5258	-96.319	-337.161	20.979	35.688	-337.169	-12495.4
45258_5258	45258	5258	91.113	338.594	-21.151	-11.165	334.965	12495.46
45258_5259	45258	5259	-89.669	-312.159	21.151	11.165	-177.441	-10072.5
45259_5259	45259	5259	84.202	313.663	-21.367	15.784	176.102	10072.49
45259_5260	45259	5260	-83.343	-290.649	21.367	-15.784	-11.876	-7750.28
45260_5260	45260	5260	121.08	269.093	1.935	19.131	-15.075	-3739.96
45260_5261	45260	5261	-120.668	-250.9	-1.935	-19.131	3.64	5276.695
45261_5261	45261	5261	117.287	252.501	1.52	0.164	-3.207	-5276.73
45261_5262	45261	5262	-117.107	-232.845	-1.52	-0.164	-6.532	6831.156
45262_5262	45262	5262	114.968	233.909	1.388	-7.385	6.533	-6860.29
45262_5263	45262	5263	-114.968	-197.086	-1.388	7.385	-23.456	9486.722
45263_5263	45263	5263	114.972	138.423	1.284	16.88	23.456	-9486.32
45263_5264	45263	5264	-114.972	-103.924	-1.284	-16.88	-38.117	10869.96
45264_5264	45264	5264	114.975	103.924	0.954	-14.343	38.117	-10870

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45264_5265	45264	5265	-114.975	-68.773	-0.954	14.343	-49.213	11874.59
45265_5265	45265	5265	114.978	13.453	0.869	24.064	49.213	-11874.6
45265_5266	45265	5266	-114.978	21.774	-0.869	-24.064	-59.343	11826.13
45266_5266	45266	5266	114.981	-21.774	0.414	-22.764	59.343	-11826.1
45266_5267	45266	5267	-114.981	56.196	-0.414	22.764	-64.055	11381.97
45267_5267	45267	5267	114.995	-112.246	1.52	24.001	64.055	-11382.6
45267_5268	45267	5268	-114.995	147.107	-1.52	-24.001	-81.599	9886.257
45268_5268	45268	5268	115.001	-147.107	0.971	-23.262	81.599	-9886.26
45268_5269	45268	5269	-115.001	181.87	-0.971	23.262	-92.768	7993.645
45269_5269	45269	5269	114.989	-235.788	-0.034	11.386	92.768	-7994.42
45269_5270	45269	5270	-114.989	262.561	0.034	-11.386	-92.466	5786.36
45270_5270	45270	5270	114.989	-262.561	-0.367	-5.351	92.466	-5786.37
45270_5271	45270	5271	-114.989	289.223	0.367	5.351	-89.23	3351.678
45271_5271	45271	5271	117.6	-288.171	-0.627	-13.582	89.111	-3322.52
45271_5272	45271	5272	-117.789	309.042	0.627	13.582	-85.098	1411.116
45272_5272	45272	5272	123.945	-364.472	10.487	-3.309	85.163	-1412.05
45272_5273	45272	5273	-124.495	387.497	-10.487	3.309	-158.908	-1231.92
45273_5273	45273	5273	130.236	-385.612	10.257	-3.204	158.936	1231.917
45273_5274	45273	5274	-131.072	407.23	-10.257	3.204	-226.136	-3829.04
45274_5274	45274	5274	138.774	-404.677	9.968	1.177	226.534	3839.857
45274_5275	45274	5275	-141.199	446.753	-9.968	-1.177	-337.807	-8591.34
45275_5275	45275	5275	155.502	-509.742	-39.065	-31.609	335.724	8592.611
45275_5276	45275	5276	-158.587	547.957	39.065	31.609	49.652	-13808.7
45276_5276	45276	5276	169.896	-544.523	-39.532	25.675	-44.574	13808.71
45276_5277	45276	5277	-173.801	582.839	39.532	-25.675	423.075	-19204.6
45277_5277	45277	5277	154.455	-771.895	75.854	-72.262	-1077.54	39831.58
45277_5278	45277	5278	-158.369	804.256	-75.854	72.262	488.914	-45946.2
45278_5278	45278	5278	-3426.71	426.888	37.715	10.59	-190.906	15000.94
45278_5279	45278	5279	3426.711	-391.928	-37.715	-10.59	-167.037	-11115.4
45279_5279	45279	5279	-3426.58	391.928	47.95	47.997	167.037	11415.95
45279_5280	45279	5280	3426.583	-369.444	-47.95	-47.997	-480.306	-8928.83
45280_5280	45280	5280	-3428.29	304.255	-59.033	-8.988	480.306	8929.78
45280_5281	45280	5281	3428.288	-264.117	59.033	8.988	208.187	-5615.39
45281_5281	45281	5281	-3428.43	264.117	-50.07	5.694	-208.187	5615.39
45281_5282	45281	5282	3428.43	-221.411	50.07	-5.694	829.525	-2602.83
45282_5282	45282	5282	-3428.01	152.118	3.351	-2.001	-829.525	2602.861
45282_5283	45282	5283	3428.01	-115.846	-3.351	2.001	788.01	-942.995
45283_5283	45283	5283	-3427.98	115.846	14.006	0.93	-788.01	942.996
45283_5284	45283	5284	3427.983	-81.637	-14.006	-0.93	624.367	210.692
45284_5284	45284	5284	-3428.13	-22.011	13.156	-0.474	-624.367	-210.723
45284_5285	45284	5285	3428.127	55.024	-13.156	0.474	476.023	-223.576
45285_5285	45285	5285	-3428.09	-55.024	21.342	0.06	-476.023	223.577
45285_5286	45285	5286	3428.085	84.504	-21.342	-0.06	261.127	-926.03
45286_5286	45286	5286	-3428.03	-173.086	37.287	-4.443	-261.127	926.113
45286_5287	45286	5287	3428.033	206.493	-37.287	4.443	-164.328	-3091.65
45287_5287	45287	5287	-3427.88	-206.493	49.101	6.212	164.328	3091.642
45287_5288	45287	5288	3427.884	240.073	-49.101	-6.212	-727.466	-5652.45
45288_5288	45288	5288	-3429.34	-246.659	-32.088	-22.565	727.466	5653.217
45288_5289	45288	5289	3429.335	258.367	32.088	22.565	-599.151	-6662.97
45289_5289	45289	5289	-3429.38	-258.367	-27.223	-10.722	599.151	6362.067
45289_5290	45289	5290	3429.377	288.482	27.223	10.722	-340.539	-8959.57
45290_5290	45290	5290	149.912	988.141	-23.818	12.127	108.225	36634.55
45290_5291	45290	5291	-145.749	-950.244	23.818	-12.127	140.556	-26512.9

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45291_5291	45291	5291	112.86	863.709	1.839	-34.412	-136.024	26515.16
45291_5292	45291	5292	-109.744	-825.92	-1.839	34.412	116.065	-17346.2
45292_5292	45292	5292	87.852	828.535	1.682	34.079	-120.587	17346.16
45292_5293	45292	5293	-86.018	-795.686	-1.682	-34.079	104.226	-9447
45293_5293	45293	5293	65.908	706.753	3.569	-9.68	-101.891	9448.165
45293_5294	45293	5294	-65.075	-682.537	-3.569	9.68	75.848	-4379.77
45294_5294	45294	5294	51.042	683.73	3.467	2.985	-76.184	4375.666
45294_5295	45294	5295	-50.738	-661.762	-3.467	-2.985	49.714	760.417
45295_5295	45295	5295	41.885	662.382	3.365	1.787	-49.669	-760.423
45295_5296	45295	5296	-41.874	-638.839	-3.365	-1.787	22.071	6096.127
45296_5296	45296	5296	31.165	582.649	1.486	13.096	6.348	-2184.14
45296_5297	45296	5297	-31.165	-570.792	-1.486	-13.096	-12.514	4576.836
45297_5297	45297	5297	31.167	570.792	1.45	7.737	12.514	-4576.85
45297_5298	45297	5298	-31.167	-540.126	-1.45	-7.737	-25.942	9722.029
45298_5298	45298	5298	31.17	540.126	1.375	-15.395	25.942	-9722.02
45298_5299	45298	5299	-31.17	-509.784	-1.375	15.395	-38.549	14533.43
45299_5299	45299	5299	31.157	429.489	-0.279	41.041	38.549	-14534.6
45299_5300	45299	5300	-31.157	-390.869	0.279	-41.041	-35.299	19319.66
45300_5300	45300	5300	31.156	390.869	-0.399	-33.875	35.299	-19319.7
45300_5301	45300	5301	-31.156	-349.835	0.399	33.875	-30.349	23910.21
45301_5301	45301	5301	31.152	269.36	-0.751	52.742	30.349	-23912.1
45301_5302	45301	5302	-31.152	-227.951	0.751	-52.742	-20.95	27022.43
45302_5302	45302	5302	31.149	227.951	-0.871	-51.114	20.95	-27022.4
45302_5303	45302	5303	-31.149	-189.738	0.871	51.114	-10.896	29433.05
45303_5303	45303	5303	31.172	109.066	1.206	64.03	10.896	-29435.2
45303_5304	45303	5304	-31.172	-65.988	-1.206	-64.03	-26.587	30574.08
45304_5304	45304	5304	31.177	65.988	1.071	-68.687	26.587	-30574.1
45304_5305	45304	5305	-31.177	-29.415	-1.071	68.687	-38.414	31101.06
45305_5305	45305	5305	31.157	-51.229	-0.93	51.943	38.414	-31103.3
45305_5306	45305	5306	-31.157	91.142	0.93	-51.943	-27.206	30245.09
45306_5306	45306	5306	31.154	-91.142	-1.031	-46.402	27.206	-30245.1
45306_5307	45306	5307	-31.154	130.815	1.031	46.402	-14.851	28915.14
45307_5307	45307	5307	31.179	-211.794	1.745	54.612	14.851	-28917.2
45307_5308	45307	5308	-31.179	251.131	-1.745	-54.612	-35.588	26166.86
45308_5308	45308	5308	31.185	-251.131	1.622	-48.985	35.588	-26166.9
45308_5309	45308	5309	-31.185	291.433	-1.622	48.985	-55.331	22864.3
45309_5309	45309	5309	31.146	-364.917	-2.371	35.334	55.331	-22865.7
45309_5310	45309	5310	-31.146	404.803	2.371	-35.334	-26.768	18228.75
45310_5310	45310	5310	31.137	-404.803	-2.486	-32.231	26.768	-18228.8
45310_5311	45310	5311	-31.137	444.524	2.486	32.231	3.061	13133.57
45311_5311	45311	5311	31.159	-528.492	0.198	12.613	-3.061	-13134.3
45311_5312	45311	5312	-31.159	570.207	-0.198	-12.613	0.561	6212.08
45312_5312	45312	5312	31.16	-570.207	0.052	-16.6	-0.561	-6212.07
45312_5313	45312	5313	-31.16	606.064	-0.052	16.6	0	-158.044

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1	2	3	4	5	6	7	8	9	14
5000_5000	5000	5000	67.749	457.575	0.715	4.767	0	-315.56	1
5000_5001	5000	5001	-62.932	-420.475	-0.715	-4.767	-9.102	5879.472	1
5001_5001	5001	5001	62.936	420.475	0.706	-2.612	9.102	-5879.48	1
5001_5002	5001	5002	-59.193	-391.647	-0.706	2.612	-16.086	9876.88	1
5002_5002	5002	5002	59.166	340.687	-0.613	11.139	16.086	-9876.99	1
5002_5003	5002	5003	-56.528	-305.273	0.613	-11.139	-8.647	13788.09	1
5003_5003	5003	5003	56.524	305.273	-0.623	-9.243	8.647	-13788.1	1
5003_5004	5003	5004	-53.89	-269.896	0.623	9.243	-1.091	17265.73	1
5004_5004	5004	5004	53.905	224.701	0.707	9.274	1.091	-17266	1
5004_5005	5004	5005	-50.937	-189.302	-0.707	-9.274	-9.677	19765.94	1
5005_5005	5005	5005	50.938	189.302	0.701	-8.504	9.677	-19765.9	1
5005_5006	5005	5006	-47.968	-153.878	-0.701	8.504	-18.193	21837.46	1
5006_5006	5006	5006	47.965	105.17	-0.172	18.338	18.193	-21837.7	1
5006_5007	5006	5007	-45.455	-69.778	0.172	-18.338	-16.103	22888.57	1
5007_5007	5007	5007	45.454	69.778	-0.183	-18.243	16.103	-22888.6	1
5007_5008	5007	5008	-42.945	-34.394	0.183	18.243	-13.881	23509.8	1
5008_5008	5008	5008	42.949	-12.618	0.697	18.15	13.881	-23510.1	1
5008_5009	5008	5009	-40.782	48.027	-0.697	-18.15	-22.349	23132.64	1
5009_5009	5009	5009	40.783	-48.027	0.686	-18.764	22.349	-23132.6	1
5009_5010	5009	5010	-38.617	83.43	-0.686	18.764	-30.682	22325.42	1
5010_5010	5010	5010	38.617	-130.617	-0.089	-0.623	30.682	-22325.8	1
5010_5011	5010	5011	-36.89	166.013	0.089	0.623	-29.6	20518.32	1
5011_5011	5011	5011	36.89	-166.013	-0.089	-0.623	29.6	-20518.3	1
5011_5012	5011	5012	-35.163	201.408	0.089	0.623	-28.517	18281.19	1
5012_5012	5012	5012	35.163	-247.787	0.115	4.337	28.517	-18281.5	1
5012_5013	5012	5013	-34.393	283.201	-0.115	-4.337	-29.908	15054.42	1
5013_5013	5013	5013	34.393	-283.201	0.11	-6.086	29.908	-15054.4	1
5013_5014	5013	5014	-33.624	318.583	-0.11	6.086	-31.239	11400.79	1
5014_5014	5014	5014	33.63	-364.514	0.793	1.445	31.239	-11400.9	1
5014_5015	5014	5015	-31.715	411.604	-0.793	-1.445	-44.043	5126.377	1
5015_5015	5015	5015	30.612	-410.478	0.73	-2.646	43.289	-5078.35	1
5015_5016	5015	5016	-31.088	432.962	-0.73	2.649	-49.312	1592.765	1
5016_5016	5016	5016	64.294	-478.285	-0.348	-1.747	56.243	-1704.94	1
5016_5017	5016	5017	-67.183	510.368	0.348	1.742	-52.155	-4097.54	1.06
5017_5017	5017	5017	82.004	-508.064	-0.355	0.662	52.321	4094.684	1.06
5017_5018	5017	5018	-86.838	546.96	0.355	-0.67	-47.608	-11093.4	1.02
5018_5018	5018	5018	106.153	-588.137	0.007	-8.871	46.875	11093.74	1.02
5018_5019	5018	5019	-112.123	626.593	-0.007	8.876	-46.965	-18692.5	1.01
5019_5019	5019	5019	129.283	-623.214	0	8.132	48.845	18693.32	1.01
5019_5020	5019	5020	-136.283	664.202	0	-8.127	-48.843	-26779.3	1
5020_5020	5020	5020	-2484.52	207.398	-15.19	-1.861	375.681	5682.869	1
5020_5021	5020	5021	2481.513	-180.836	15.19	1.861	-231.434	-3827.58	1
5021_5021	5021	5021	-2483.35	180.849	-14.772	-1.205	231.211	3836.588	1
5021_5022	5021	5022	2480.803	-161.263	14.772	1.205	-116.648	-2499.81	1
5022_5022	5022	5022	-2480.82	161.263	-11.905	1.814	116.648	2499.808	1
5022_5023	5022	5023	2478.274	-141.706	11.905	-1.814	-24.45	-1316.5	1
5023_5023	5023	5023	-2478.3	98.184	-6.182	0.149	24.45	1316.497	1
5023_5024	5023	5024	2476.214	-77.971	6.182	-0.149	25.033	-603.239	1
5024_5024	5024	5024	-2476.2	77.971	-9.629	-0.836	-25.033	603.238	1
5024_5025	5024	5025	2474.123	-57.781	9.629	0.836	102.017	-52.291	1
5025_5025	5025	5025	-2474.14	57.781	-3.068	-0.434	-102.017	52.293	1
5025_5026	5025	5026	2472.058	-37.57	3.068	0.434	126.568	337.527	1
5026_5026	5026	5026	-2472.06	-8.877	-2.449	-0.499	-126.568	-337.525	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5026_5027	5026	5027	2470.987	24.034	2.449	0.499	141.265	242.997	1
5027_5027	5027	5027	-2470.99	-24.034	-2.881	-0.471	-141.265	-242.997	1
5027_5028	5027	5028	2469.913	39.166	2.881	0.471	158.526	57.876	1
5028_5028	5028	5028	-2469.91	-39.166	-2.449	-0.468	-158.526	-57.876	1
5028_5029	5028	5029	2468.839	54.323	2.449	0.468	173.223	-218.452	1
5029_5029	5029	5029	-2468.84	-54.323	1.706	0.011	-173.223	218.452	1
5029_5030	5029	5030	2467.766	69.478	-1.706	-0.011	162.987	-585.684	1
5030_5030	5030	5030	-2467.78	-115.643	1.127	-1.694	-162.987	585.66	1
5030_5031	5030	5031	2466.972	135.848	-1.127	1.694	153.971	-1588.65	1
5031_5031	5031	5031	-2466.97	-135.848	4.244	0.357	-153.971	1588.65	1
5031_5032	5031	5032	2466.165	156.051	-4.244	-0.357	120.021	-2753.15	1
5032_5032	5032	5032	-2466.17	-156.051	4.244	0.357	-120.021	2753.147	1
5032_5033	5032	5033	2465.361	176.253	-4.244	-0.357	86.07	-4079.27	1
5033_5033	5033	5033	-2465.31	-220.66	12.274	-2.721	-86.07	4079.38	1
5033_5034	5033	5034	2464.982	240.224	-12.274	2.721	-9.019	-5863.46	1
5034_5034	5034	5034	-2464.98	-240.224	12.274	-2.721	9.019	5863.462	1
5034_5035	5034	5035	2464.652	259.788	-12.274	2.721	-104.108	-7799.12	1
5035_5035	5035	5035	-2464.01	-259.791	14.797	5.161	104.012	7796.033	1
5035_5036	5035	5036	2463.614	286.293	-14.797	-5.161	-244.207	-10381.6	1.02
5036_5036	5036	5036	148.767	550.218	0.791	-30.675	-0.394	32834.13	1.02
5036_5037	5036	5037	-144.829	-509.121	-0.791	30.67	-9.581	-26164.1	1.02
5037_5037	5037	5037	130.831	512.602	0.711	27.664	3.514	26163.29	1.02
5037_5038	5037	5038	-128.745	-474.052	-0.711	-27.67	-12.442	-19974.8	1.02
5038_5038	5038	5038	112.999	437.846	-0.31	-5.356	15.208	19975.22	1.02
5038_5039	5038	5039	-112.766	-398.964	0.31	5.364	-11.087	-14421.3	1.03
5039_5039	5039	5039	637.522	394.564	-0.463	4.678	12.177	11543.5	1.03
5039_5040	5039	5040	-646.967	-362.605	0.463	-4.677	-6.733	-7168.74	1.04
5040_5040	5040	5040	638.832	318.782	0.166	0.626	6.915	7170.034	1.04
5040_5041	5040	5041	-622.911	-296.766	-0.166	-0.629	-8.282	-4735.21	1.06
5041_5041	5041	5041	706.385	299.517	0.053	-0.279	8.323	4311.772	1.06
5041_5042	5041	5042	-638.973	-261.884	-0.053	0.279	-9.16	-206.528	1
5042_5042	5042	5042	638.977	214.265	0.002	0.01	9.16	206.548	1
5042_5043	5042	5043	-589.55	-185.721	-0.002	-0.01	-9.188	1952.99	1
5043_5043	5043	5043	589.55	185.721	0.002	0.01	9.188	-1952.99	1
5043_5044	5043	5044	-540.122	-157.177	-0.002	-0.01	-9.216	3772.106	1
5044_5044	5044	5044	540.134	112.3	-0.052	-0.259	9.216	-3772.16	1
5044_5045	5044	5045	-490.502	-83.738	0.052	0.259	-8.59	4715.306	1
5045_5045	5045	5045	490.502	83.738	-0.049	0.335	8.59	-4715.31	1
5045_5046	5045	5046	-440.913	-55.2	0.049	-0.335	-8.011	5317.247	1
5046_5046	5046	5046	440.918	9.926	0.159	6.168	8.011	-5317.32	1
5046_5047	5046	5047	-391.268	18.632	-0.159	-6.168	-9.911	5038.79	1
5047_5047	5047	5047	391.268	-18.632	0.072	-6.033	9.911	-5038.79	1
5047_5048	5047	5048	-341.667	47.161	-0.072	6.033	-10.767	4420.287	1
5048_5048	5048	5048	341.667	-92.066	-0.165	3.861	10.767	-4420.34	1
5048_5049	5048	5049	-292.194	120.618	0.165	-3.861	-8.797	2925.913	1
5049_5049	5049	5049	292.194	-120.618	-0.256	-3.672	8.797	-2925.91	1
5049_5050	5049	5050	-242.728	149.165	0.256	3.672	-5.739	1091.15	1
5050_5050	5050	5050	242.73	-193.359	0.404	-0.695	5.739	-1091.18	1
5050_5051	5050	5051	-177.001	230.956	-0.404	0.695	-12.091	-2541.37	1.13
5051_5051	5051	5051	176.056	-229.127	0.332	2.244	12.087	2559.827	1.13
5051_5052	5051	5052	-143.66	249.541	-0.332	-2.243	-14.829	-4685.32	1.06
5052_5052	5052	5052	150.723	-291.959	0.001	-6.114	14.61	4686.057	1.06
5052_5053	5052	5053	-110.942	321.407	-0.001	6.118	-14.619	-8495.03	1.03
5053_5053	5053	5053	103.558	-318.566	-0.08	10.599	22.037	8584.328	1.03

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5053_5054	5053	5054	-81.7	356.264	0.08	-10.589	-20.98	-13219.3	1.03
5054_5054	5054	5054	95.566	-393.36	-0.203	-15.185	19.006	13221.42	1.03
5054_5055	5054	5055	-88.617	430.548	0.203	15.186	-16.454	-18508.2	1.01
5055_5055	5055	5055	100.7	-426.354	-0.289	16.617	19.832	18511.29	1.01
5055_5056	5055	5056	-103.992	465.707	0.289	-16.614	-16.188	-24208.9	1
5056_5056	5056	5056	-2031.12	264.773	-10.106	0.202	217.84	7511.723	1
5056_5057	5056	5057	2037.614	-239.04	10.106	-0.202	-121.9	-5151.25	1
5057_5057	5057	5057	-2039.26	239.04	-11.039	-1.884	122.787	5120.422	1
5057_5058	5057	5058	2044.609	-218.496	11.039	1.884	-37.238	-3373.05	1
5058_5058	5058	5058	-2044.62	218.496	-8.178	3.24	37.238	3373.041	1
5058_5059	5058	5059	2049.966	-197.954	8.178	-3.24	26.13	-1785.01	1
5059_5059	5059	5059	-2049.97	156.151	-8.343	-1.796	-26.13	1785.012	1
5059_5060	5059	5060	2055.905	-134.918	8.343	1.796	92.954	-647.286	1
5060_5060	5060	5060	-2055.92	134.918	-2.992	1.566	-92.954	647.283	1
5060_5061	5060	5061	2061.849	-113.714	2.992	-1.566	116.886	319.119	1
5061_5061	5061	5061	-2061.85	113.714	-2.992	1.566	-116.886	-319.119	1
5061_5062	5061	5062	2067.78	-92.511	2.992	-1.566	140.817	1115.932	1
5062_5062	5062	5062	-2067.78	48.748	-1.457	0.827	-140.817	-1115.89	1
5062_5063	5062	5063	2072.703	-32.833	1.457	-0.827	149.567	1337.932	1
5063_5063	5063	5063	-2072.7	32.833	-1.705	0.87	-149.567	-1337.93	1
5063_5064	5063	5064	2077.614	-16.944	1.705	-0.87	159.783	1464.301	1
5064_5064	5064	5064	-2077.61	16.944	2.238	0.07	-159.783	-1464.3	1
5064_5065	5064	5065	2082.531	-1.031	-2.238	-0.07	146.351	1495.422	1
5065_5065	5065	5065	-2082.53	1.031	2.238	0.07	-146.351	-1495.42	1
5065_5066	5065	5066	2087.449	14.882	-2.238	-0.07	132.919	1431.019	1
5066_5066	5066	5066	-2087.45	-58.904	4.226	-0.067	-132.919	-1430.92	1
5066_5067	5066	5067	2094.517	80.103	-4.226	0.067	99.126	842.691	1
5067_5067	5067	5067	-2094.52	-80.103	4.226	-0.067	-99.126	-842.691	1
5067_5068	5067	5068	2101.582	101.301	-4.226	0.067	65.333	84.96	1
5068_5068	5068	5068	-2101.57	-101.301	7.174	1.532	-65.333	-84.962	1
5068_5069	5068	5069	2108.648	122.524	-7.174	-1.532	7.897	-843.459	1
5069_5069	5069	5069	-2108.63	-163.582	9.216	-4.431	-7.897	843.532	1
5069_5070	5069	5070	2116.012	184.114	-9.216	4.431	-63.481	-2223.64	1
5070_5070	5070	5070	-2116	-184.114	12.255	0.595	63.481	2223.638	1
5070_5071	5070	5071	2123.386	204.671	-12.255	-0.595	-158.51	-3764.72	1
5071_5071	5071	5071	-2120.17	-204.666	13.587	4.014	160.047	3789.515	1
5071_5072	5071	5072	2129.029	230.408	-13.587	-4.014	-289.086	-5896.06	1
5072_5072	5072	5072	63.652	501.71	0.117	-14.934	21.68	22242.3	1
5072_5073	5072	5073	-32.648	-462.738	-0.117	14.939	-23.151	-16232.6	1
5073_5073	5073	5073	19.744	467.006	0.028	15.749	19.864	16230.66	1
5073_5074	5073	5074	10.415	-430.283	-0.028	-15.745	-20.22	-10644.4	1
5074_5074	5074	5074	-24.937	396.182	0.478	0.26	21.594	10643.58	1
5074_5075	5074	5075	48.811	-358.9	-0.478	-0.241	-27.944	-5645.58	1
5075_5075	5075	5075	444.643	355.718	-0.181	0.566	16.561	2938.687	1
5075_5076	5075	5076	-450.952	-327.272	0.181	-0.569	-14.429	1042.577	1
5076_5076	5076	5076	443.496	286.969	-0.06	4.666	14.386	-1041.84	1
5076_5077	5076	5077	-436.006	-267.29	0.06	-4.666	-13.887	3279.478	1
5077_5077	5077	5077	403.13	269.989	-0.128	-3.748	15.642	-3250.35	1
5077_5078	5077	5078	-378.819	-233.93	0.128	3.748	-13.811	6726.505	1
5078_5078	5078	5078	378.82	193.45	-0.062	10.193	13.811	-6726.62	1
5078_5079	5078	5079	-360.228	-165.091	0.062	-10.193	-13.112	8648.006	1
5079_5079	5079	5079	360.228	165.091	-0.155	-9.665	13.112	-8648.01	1
5079_5080	5079	5080	-341.638	-136.736	0.155	9.665	-11.374	10251.22	1
5080_5080	5080	5080	341.643	97.07	0.073	11.926	11.374	-10251.3	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5080_5081	5080	5081	-323.4	-68.714	-0.073	-11.926	-12.195	11093.22	1
5081_5081	5081	5081	323.4	68.714	-0.019	-11.467	12.195	-11093.2	1
5081_5082	5081	5082	-305.159	-40.361	0.019	11.467	-11.977	11617.11	1
5082_5082	5082	5082	305.167	-0.802	-0.111	0.372	11.977	-11617.3	1
5082_5083	5082	5083	-286.088	31.254	0.111	-0.372	-10.64	11332.43	1
5083_5083	5083	5083	286.088	-31.254	-0.113	-0.125	10.64	-11332.4	1
5083_5084	5083	5084	-266.993	61.731	0.113	0.125	-9.278	10680.11	1
5084_5084	5084	5084	266.995	-102.886	-0.103	9.283	9.278	-10680.3	1
5084_5085	5084	5085	-249.596	131.235	0.103	-9.283	-8.12	9283.902	1
5085_5085	5085	5085	249.595	-131.235	-0.196	-9.222	8.12	-9283.9	1
5085_5086	5085	5086	-232.197	159.581	0.196	9.222	-5.923	7569.863	1
5086_5086	5086	5086	232.195	-198.958	-0.038	5.254	5.923	-7569.92	1
5086_5087	5086	5087	-215.29	227.305	0.038	-5.254	-5.501	5098.851	1
5087_5087	5087	5087	215.289	-227.305	-0.132	-5.213	5.501	-5098.85	1
5087_5088	5087	5088	-198.37	255.674	0.132	5.213	-4.018	2307.609	1
5088_5088	5088	5088	198.378	-293.816	0.216	-1.102	4.018	-2307.63	1
5088_5089	5088	5089	-177.444	328.511	-0.216	1.102	-6.977	-2063.12	1
5089_5089	5089	5089	180.286	-326.636	0.149	1.223	6.939	2119.56	1
5089_5090	5089	5090	-167.783	347.441	-0.149	-1.223	-8.172	-4956.82	1.03
5090_5090	5090	5090	176.685	-386.606	-0.231	-11.104	7.798	4957.33	1.03
5090_5091	5090	5091	-161.506	416.575	0.231	11.101	-5.082	-9757.34	1.02
5091_5091	5091	5091	157.998	-412.555	-0.355	9.453	9.663	9840.626	1.02
5091_5092	5091	5092	-149.618	449.565	0.355	-9.455	-4.952	-15628	1.01
5092_5092	5092	5092	165.95	-485.663	-0.341	-9.417	3.544	15629.68	1.01
5092_5093	5092	5093	-164.3	522.237	0.341	9.412	0.729	-22001.3	1.01
5093_5093	5093	5093	178.731	-516.958	-0.385	9.619	1.237	22004.05	1.01
5093_5094	5093	5094	-182.046	555.789	0.385	-9.624	3.608	-28793.7	1.01
5094_5094	5094	5094	-2277.98	235.409	-6.701	-3.355	84.486	8061.39	1.01
5094_5095	5094	5095	2280.278	-210.118	6.701	3.355	-20.861	-5957.48	1
5095_5095	5095	5095	-2281.84	210.12	-5.693	-0.765	20.245	5965.079	1
5095_5096	5095	5096	2283.621	-190.06	5.693	0.765	23.902	-4422.27	1
5096_5096	5096	5096	-2283.63	190.06	-2.679	5.298	-23.902	4422.27	1
5096_5097	5096	5097	2285.403	-170.026	2.679	-5.298	44.647	-3036.76	1
5097_5097	5097	5097	-2285.41	129.9	0.183	-0.827	-44.647	3036.721	1
5097_5098	5097	5098	2287.627	-109.193	-0.183	0.827	43.18	-2090.39	1
5098_5098	5098	5098	-2287.63	109.193	0.183	-0.827	-43.18	2090.39	1
5098_5099	5098	5099	2289.842	-88.487	-0.183	0.827	41.713	-1309.78	1
5099_5099	5099	5099	-2289.84	88.487	3.111	1.426	-41.713	1309.783	1
5099_5100	5099	5100	2292.053	-67.808	-3.111	-1.426	16.847	-695.585	1
5100_5100	5100	5100	-2292.05	25.298	3.631	2.022	-16.847	695.585	1
5100_5101	5100	5101	2294.12	-9.769	-3.631	-2.022	-4.949	-599.816	1
5101_5101	5101	5101	-2294.11	9.769	7.651	4.052	4.949	599.812	1
5101_5102	5101	5102	2296.177	5.759	-7.651	-4.052	-50.87	-597.252	1
5102_5102	5102	5102	-2296.18	-5.759	-8.425	-4.269	50.87	597.254	1
5102_5103	5102	5103	2298.243	21.29	8.425	4.269	-0.293	-687.923	1
5103_5103	5103	5103	-2298.25	-21.29	-4.534	-2.057	0.293	687.927	1
5103_5104	5103	5104	2300.316	36.795	4.534	2.057	26.879	-871.44	1
5104_5104	5104	5104	-2300.32	-79.576	-2.992	-1.973	-26.879	871.446	1
5104_5105	5104	5105	2303.598	100.283	2.992	1.973	50.827	-1605.95	1
5105_5105	5105	5105	-2303.6	-100.283	-0.069	0.897	-50.827	1605.95	1
5105_5106	5105	5106	2306.876	120.963	0.069	-0.897	51.375	-2504.93	1
5106_5106	5106	5106	-2306.88	-120.963	0.022	1.021	-51.375	2504.925	1
5106_5107	5106	5107	2310.156	141.669	-0.022	-1.021	51.199	-3570.65	1
5107_5107	5107	5107	-2310.15	-181.648	4.294	-3.22	-51.199	3570.7	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5107_5108	5107	5108	2313.773	201.706	-4.294	3.22	17.909	-5072.86	1
5108_5108	5108	5108	-2313.77	-201.706	4.205	-3.439	-17.909	5072.863	1
5108_5109	5108	5109	2317.393	221.739	-4.205	3.439	-14.654	-6728.3	1
5109_5109	5109	5109	-2318	-221.748	6.747	4.681	14.239	6731.318	1
5109_5110	5109	5110	2322.623	247.062	-6.747	-4.681	-78.355	-8979.48	1.01
5110_5110	5110	5110	154.217	538.068	0.011	-20.238	8.791	29837.53	1.01
5110_5111	5110	5111	-137.925	-499.404	-0.011	20.239	-8.927	-23338.8	1.01
5111_5111	5111	5111	124.061	504.465	-0.073	19.525	4.784	23336.87	1.01
5111_5112	5111	5112	-108.241	-468.095	0.073	-19.525	-3.866	-17263.9	1.02
5112_5112	5112	5112	92.811	437.022	0.117	-3.203	5.795	17263.13	1.02
5112_5113	5112	5113	-79.75	-400.18	-0.117	3.203	-7.355	-11718.7	1.03
5113_5113	5113	5113	510.569	398.891	-0.15	4.091	13.82	9343.26	1.03
5113_5114	5113	5114	-515.709	-369.1	0.15	-4.096	-12.051	-4879.91	1.05
5114_5114	5114	5114	507.412	330.53	-0.017	0.676	12.157	4880.85	1.05
5114_5115	5114	5115	-495.683	-309.963	0.017	-0.679	-12.014	-2311.45	1.1
5115_5115	5115	5115	550.801	312.613	-0.05	-0.036	11.87	1867.432	1.1
5115_5116	5115	5116	-507.591	-279.079	0.05	0.036	-11.161	2142.72	1
5116_5116	5116	5116	507.591	238.197	-0.247	3.731	11.161	-2142.72	1
5116_5117	5116	5117	-475.308	-211.799	0.247	-3.731	-8.396	4513.359	1
5117_5117	5117	5117	475.308	211.799	-0.29	-3.521	8.396	-4513.36	1
5117_5118	5117	5118	-443.026	-185.402	0.29	3.521	-5.143	6587.994	1
5118_5118	5118	5118	443.026	146.516	0.007	4.898	5.143	-6588	1
5118_5119	5118	5119	-411.351	-120.12	-0.007	-4.898	-5.222	7933.258	1
5119_5119	5119	5119	411.351	120.12	-0.036	-4.773	5.222	-7933.26	1
5119_5120	5119	5120	-379.677	-93.724	0.036	4.773	-4.814	8982.557	1
5120_5120	5120	5120	379.677	53.307	-0.154	14.275	4.814	-8982.55	1
5120_5121	5120	5121	-346.566	-24.933	0.154	-14.275	-2.957	9297.457	1
5121_5121	5121	5121	346.565	24.933	-0.275	-14.186	2.957	-9297.46	1
5121_5122	5121	5122	-313.482	3.416	0.275	14.186	0.351	9270.591	1
5122_5122	5122	5122	313.482	-43.101	-0.111	4.448	-0.351	-9270.6	1
5122_5123	5122	5123	-283.357	69.496	0.111	-4.448	1.592	8496.725	1
5123_5123	5123	5123	283.357	-69.496	-0.154	-4.441	-1.592	-8496.73	1
5123_5124	5123	5124	-253.233	95.89	0.154	4.441	3.32	7426.962	1
5124_5124	5124	5124	253.226	-133.986	0.001	5.701	-3.32	-7426.93	1
5124_5125	5124	5125	-223.621	160.381	-0.001	-5.701	3.311	5636.448	1
5125_5125	5125	5125	223.62	-160.381	-0.086	-5.758	-3.311	-5636.45	1
5125_5126	5125	5126	-194.015	186.774	0.086	5.758	4.275	3550.105	1
5126_5126	5126	5126	194.008	-222.454	-0.492	-0.089	-4.275	-3550.1	1
5126_5127	5126	5127	-157.468	254.639	0.492	0.089	11.004	115.633	1.06
5127_5127	5127	5127	161.236	-252.811	-0.553	-0.043	-11.048	-73.858	1.06
5127_5128	5127	5128	-138.719	271.748	0.553	0.043	15.614	-2193.85	1.06
5128_5128	5128	5128	145.887	-305.364	1.307	-4.938	-15.782	2194.535	1.06
5128_5129	5128	5129	-119.349	332.676	-1.307	4.94	0.415	-6086.23	1.06
5129_5129	5129	5129	120.277	-328.087	1.127	9.073	-2.552	6133.592	1.06
5129_5130	5129	5130	-109.831	363.858	-1.127	-9.065	-12.411	-10829.3	1.03
5130_5130	5130	5130	123.613	-397.72	-3.439	-7.527	11.207	10831.52	1.03
5130_5131	5130	5131	-124.8	433.073	3.439	7.515	31.953	-16114.8	1.03
5131_5131	5131	5131	136.871	-427.665	-3.482	7.666	-30.464	16118.08	1.03
5131_5132	5131	5132	-144.815	465.219	3.482	-7.679	74.286	-21787.8	1.03
5132_5132	5132	5132	-1926.91	227.154	23.116	9.682	-285.838	5869.491	1.03
5132_5133	5132	5133	1929.142	-202.684	-23.116	-9.682	66.238	-3839.05	1
5133_5133	5133	5133	-1937.42	202.684	25.857	15.451	-66.09	3879.595	1
5133_5134	5133	5134	1939.594	-184.434	-25.857	-15.451	-134.305	-2390.46	1
5134_5134	5134	5134	-1939.75	184.434	-1.402	-23.319	134.305	2390.413	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5134_5135	5134	5135	1941.931	-166.158	1.402	23.319	-123.426	-1040.99	1
5135_5135	5135	5135	-1941.91	118.209	-3.435	-0.702	123.426	1041.341	1
5135_5136	5135	5136	1943.736	-99.368	3.435	0.702	-95.948	-180.565	1
5136_5136	5136	5136	-1943.74	99.368	-0.791	0.413	95.948	180.565	1
5136_5137	5136	5137	1945.564	-80.528	0.791	-0.413	-89.621	529.468	1
5137_5137	5137	5137	-1945.56	80.528	-3.464	0.125	89.621	-529.468	1
5137_5138	5137	5138	1947.383	-61.711	3.464	-0.125	-61.939	1088.173	1
5138_5138	5138	5138	-1947.39	16.486	-3.312	0.172	61.939	-1088.29	1
5138_5139	5138	5139	1949.162	-2.355	3.312	-0.172	-42.068	1136.087	1
5139_5139	5139	5139	-1949.16	2.355	0.213	-0.324	42.068	-1136.09	1
5139_5140	5139	5140	1950.932	11.775	-0.213	0.324	-43.347	1099.094	1
5140_5140	5140	5140	-1950.93	-11.775	-3.312	0.05	43.347	-1099.09	1
5140_5141	5140	5141	1952.698	25.906	3.312	-0.05	-23.475	977.311	1
5141_5141	5141	5141	-1952.7	-25.906	0.213	-0.061	23.475	-977.312	1
5141_5142	5141	5142	1954.468	40.036	-0.213	0.061	-24.754	770.745	1
5142_5142	5142	5142	-1954.47	-84.439	-2.212	-0.049	24.754	-770.859	1
5142_5143	5142	5143	1957.235	103.279	2.212	0.049	-7.058	6.735	1
5143_5143	5143	5143	-1957.24	-103.279	-2.212	-0.049	7.058	-6.735	1
5143_5144	5143	5144	1960	122.12	2.212	0.049	10.638	-908.122	1
5144_5144	5144	5144	-1960	-122.12	-2.212	-0.049	-10.638	908.122	1
5144_5145	5144	5145	1962.766	140.961	2.212	0.049	28.334	-1973.71	1
5145_5145	5145	5145	-1962.76	-181.624	-0.845	2.196	-28.334	1973.623	1
5145_5146	5145	5146	1965.957	199.876	0.845	-2.196	34.883	-3466.91	1
5146_5146	5146	5146	-1965.96	-199.876	-0.845	2.196	-34.883	3466.91	1
5146_5147	5146	5147	1969.152	218.127	0.845	-2.196	41.432	-5101.66	1
5147_5147	5147	5147	-1955.84	-218.122	-3.499	-5.613	-41.362	5036.709	1
5147_5148	5147	5148	1959.36	242.594	3.499	5.613	74.607	-7241.64	1
5148_5148	5148	5148	127.746	449.581	0.018	-8.807	-8.918	23493.7	1
5148_5149	5148	5149	-106.953	-412.182	-0.018	8.803	8.698	-18089.9	1
5149_5149	5149	5149	95.393	417.574	-0.022	8.131	-10.453	18087.41	1
5149_5150	5149	5150	-76.211	-382.417	0.022	-8.135	10.728	-13078.5	1
5150_5150	5150	5150	63.411	355.978	0.111	-0.627	-9.933	13077.02	1
5150_5151	5150	5151	-49.377	-320.395	-0.111	0.626	8.462	-8580.58	1
5151_5151	5151	5151	577.505	317.62	0.032	0.273	-7.066	5693.266	1
5151_5152	5151	5152	-580.613	-289.471	-0.032	-0.274	6.688	-2192.07	1
5152_5152	5152	5152	574.03	252.909	0.106	-0.066	-6.674	2192.724	1
5152_5153	5152	5153	-558.664	-233.487	-0.106	0.067	5.802	-273.135	1
5153_5153	5153	5153	590.657	236.673	0.107	0.034	-5.851	104.472	1
5153_5154	5153	5154	-543.26	-205.321	-0.107	-0.034	4.38	2724.41	1
5154_5154	5154	5154	543.26	163.692	0.106	0.018	-4.38	-2724.41	1
5154_5155	5154	5155	-506.638	-138.592	-0.106	-0.018	3.214	4226.733	1
5155_5155	5155	5155	506.638	138.592	0.106	0.018	-3.214	-4226.73	1
5155_5156	5155	5156	-470.016	-113.492	-0.106	-0.018	2.049	5452.939	1
5156_5156	5156	5156	470.018	73.855	0.038	-0.017	-2.049	-5452.94	1
5156_5157	5156	5157	-436.691	-51.014	-0.038	0.017	1.673	5932.121	1
5157_5157	5157	5157	436.691	51.014	0.038	0.076	-1.673	-5932.12	1
5157_5158	5157	5158	-403.398	-28.196	-0.038	-0.076	1.292	6182.51	1
5158_5158	5158	5158	403.39	-9.771	0.092	-3.83	-1.292	-6182.49	1
5158_5159	5158	5159	-370.216	32.612	-0.092	3.83	0.367	5825.281	1
5159_5159	5159	5159	370.216	-32.612	0.146	3.88	-0.367	-5825.28	1
5159_5160	5159	5160	-337.042	55.453	-0.146	-3.88	-1.097	5239.422	1
5160_5160	5160	5160	337.042	-95.619	0.117	0.029	1.097	-5239.45	1
5160_5161	5160	5161	-300.583	120.719	-0.117	-0.029	-2.386	3890.247	1
5161_5161	5161	5161	300.583	-120.719	0.117	0.029	2.386	-3890.25	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5161_5162	5161	5162	-264.125	145.819	-0.117	-0.029	-3.675	2264.932	1
5162_5162	5162	5162	264.137	-184.365	-0.101	-0.048	3.675	-2264.91	1
5162_5163	5162	5163	-217.378	215.718	0.101	0.048	-2.283	-687.981	1.01
5163_5163	5163	5163	221.092	-213.295	-0.144	0.177	2.253	682.647	1.01
5163_5164	5163	5164	-194.069	232.761	0.144	-0.179	-1.062	-2643.08	1.01
5164_5164	5164	5164	200.521	-268.704	0.181	2.936	1.156	2643.767	1.01
5164_5165	5164	5165	-166.511	296.8	-0.181	-2.931	-3.281	-6137.39	1.01
5165_5165	5165	5165	153.549	-291.305	0.34	-4.344	2.512	6254.414	1.01
5165_5166	5165	5166	-133.091	327.538	-0.34	4.348	-7.02	-10521.6	1.01
5166_5166	5166	5166	145.871	-359.358	0.193	-6.529	6.716	10524.03	1.01
5166_5167	5166	5167	-139.668	395.095	-0.193	6.525	-9.143	-15389.2	1.01
5167_5167	5167	5167	150.787	-388.633	0.149	7.011	10.579	15392.71	1.01
5167_5168	5167	5168	-155.009	426.519	-0.149	-7.015	-12.459	-20630.7	1
5168_5168	5168	5168	-1830.64	246.436	-1.354	-2.494	9.682	6145.596	1
5168_5169	5168	5169	1835.436	-221.63	1.354	2.494	3.186	-3943.68	1
5169_5169	5169	5169	-1842.77	221.622	1.195	3.066	-2.961	3979.479	1
5169_5170	5169	5170	1847.053	-202.891	-1.195	-3.066	-6.291	-2355.85	1
5170_5170	5170	5170	-1847.05	202.891	-1.437	-0.656	6.291	2355.851	1
5170_5171	5170	5171	1851.339	-184.135	1.437	0.656	4.846	-875.37	1
5171_5171	5171	5171	-1851.33	138.431	1.662	0.445	-4.846	875.236	1
5171_5172	5171	5172	1855.984	-119.071	-1.662	-0.445	-8.45	134.035	1
5172_5172	5172	5172	-1855.98	119.071	-0.915	-0.221	8.45	-134.035	1
5172_5173	5172	5173	1860.641	-99.711	0.915	0.221	-1.132	988.428	1
5173_5173	5173	5173	-1860.64	99.711	-0.915	-0.221	1.132	-988.428	1
5173_5174	5173	5174	1865.297	-80.351	0.915	0.221	6.186	1687.929	1
5174_5174	5174	5174	-1865.3	32.549	1.966	-0.802	-6.186	-1688.06	1
5174_5175	5174	5175	1869.083	-18.029	-1.966	0.802	-5.609	1823.097	1
5175_5175	5175	5175	-1869.08	18.029	-1.47	0.871	5.609	-1823.1	1
5175_5176	5175	5176	1872.865	-3.509	1.47	-0.871	3.21	1871.014	1
5176_5176	5176	5176	-1872.87	3.509	1.966	-0.811	-3.21	-1871.01	1
5176_5177	5176	5177	1876.647	11.011	-1.966	0.811	-8.584	1831.805	1
5177_5177	5177	5177	-1876.65	-11.011	-1.47	0.736	8.584	-1831.81	1
5177_5178	5177	5178	1880.429	25.531	1.47	-0.736	0.235	1705.468	1
5178_5178	5178	5178	-1880.43	-73.426	-0.481	-0.375	-0.235	-1705.61	1
5178_5179	5178	5179	1885.791	92.787	0.481	0.375	4.081	1017.286	1
5179_5179	5179	5179	-1885.79	-92.787	-0.481	-0.375	-4.081	-1017.29	1
5179_5180	5179	5180	1891.148	112.147	0.481	0.375	7.928	174.072	1
5180_5180	5180	5180	-1891.15	-112.147	2.096	0.731	-7.928	-174.072	1
5180_5181	5180	5181	1896.504	131.507	-2.096	-0.731	-8.839	-824.02	1
5181_5181	5181	5181	-1896.5	-175.733	-1.607	-0.89	8.839	824.034	1
5181_5182	5181	5182	1902.281	194.489	1.607	0.89	3.62	-2283.82	1
5182_5182	5182	5182	-1902.28	-194.489	1.052	3.572	-3.62	2283.817	1
5182_5183	5182	5183	1908.063	213.244	-1.052	-3.572	-4.535	-3888.94	1
5183_5183	5183	5183	-1894.98	-213.235	-1.533	-2.838	4.708	3825.087	1
5183_5184	5183	5184	1901.732	238.042	1.533	2.838	9.854	-5998	1.02
5184_5184	5184	5184	138.04	442.395	-0.056	7.398	-9.154	20509.77	1.02
5184_5185	5184	5185	-111.56	-404.797	0.056	-7.397	9.857	-15177.7	1.03
5185_5185	5185	5185	100.114	411.85	0	-6.982	-8.326	15174.87	1.03
5185_5186	5185	5186	-76.72	-376.458	0	6.983	8.326	-10217.9	1.04
5186_5186	5186	5186	63.742	347.284	-0.372	-0.496	-8.907	10216.26	1.04
5186_5187	5186	5187	-48.253	-311.37	0.372	0.493	13.841	-5812.78	1.08
5187_5187	5187	5187	554.407	310.658	0.075	0.264	-1.979	3043.887	1.08
5187_5188	5187	5188	-560.679	-281.286	-0.075	-0.259	1.103	396.841	1.08
5188_5188	5188	5188	554.19	241.317	-0.043	-0.002	-1.094	-395.817	1.08

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5188_5189	5188	5189	-543.326	-221.039	0.043	0	1.452	2234.783	1
5189_5189	5189	5189	561.647	224.701	-0.051	-0.056	-1.364	-2231.8	1
5189_5190	5189	5190	-525.476	-190.443	0.051	0.056	2.06	4928.409	1
5190_5190	5190	5190	525.475	146.614	0.207	-0.03	-2.06	-4928.41	1
5190_5191	5190	5191	-496.405	-119.207	-0.207	0.03	-0.219	6264.08	1
5191_5191	5191	5191	496.405	119.207	0.207	-0.03	0.219	-6264.08	1
5191_5192	5191	5192	-467.334	-91.801	-0.207	0.03	-2.497	7298.262	1
5192_5192	5192	5192	467.345	48.892	-0.169	0.043	2.497	-7298.27	1
5192_5193	5192	5193	-440.498	-23.928	0.169	-0.043	-0.806	7546.588	1
5193_5193	5193	5193	440.498	23.928	-0.169	-0.07	0.806	-7546.59	1
5193_5194	5193	5194	-413.624	1.062	0.169	0.07	0.893	7544.615	1
5194_5194	5194	5194	413.603	-42.374	0.159	-0.015	-0.893	-7544.62	1
5194_5195	5194	5195	-386.634	67.363	-0.159	0.015	-0.705	6877.404	1
5195_5195	5195	5195	386.634	-67.363	0.159	-0.015	0.705	-6877.4	1
5195_5196	5195	5196	-359.665	92.353	-0.159	0.015	-2.303	5959.522	1
5196_5196	5196	5196	359.672	-136.344	-0.024	-0.016	2.303	-5959.52	1
5196_5197	5196	5197	-329.944	163.751	0.024	0.016	-2.04	4180.365	1
5197_5197	5197	5197	329.944	-163.751	-0.024	-0.016	2.04	-4180.37	1
5197_5198	5197	5198	-300.215	191.157	0.024	0.016	-1.777	2099.719	1
5198_5198	5198	5198	300.218	-234.163	0.027	-0.01	1.777	-2099.72	1
5198_5199	5198	5199	-261.693	268.396	-0.027	0.01	-2.154	-1519.26	1.03
5199_5199	5199	5199	264.854	-265.404	0.025	-0.011	2.065	1444.663	1.03
5199_5200	5199	5200	-241.509	286.615	-0.025	0.01	-2.272	-3832.26	1.03
5200_5200	5200	5200	249.432	-327.654	-0.006	0.888	2.303	3833.12	1.03
5200_5201	5200	5201	-220.159	358.27	0.006	-0.884	-2.235	-8021.34	1.03
5201_5201	5201	5201	216.103	-351.017	0.073	-1.298	4.316	8105.55	1.03
5201_5202	5201	5202	-202.187	391.608	-0.073	1.305	-5.281	-13161	1.02
5202_5202	5202	5202	217.521	-429.724	-0.092	8.289	6.123	13164.08	1.02
5202_5203	5202	5203	-214.477	469.593	0.092	-8.293	-4.966	-18911.9	1.01
5203_5203	5203	5203	227.617	-461.548	-0.04	-8.528	3.212	18916.38	1.01
5203_5204	5203	5204	-232.546	503.57	0.04	8.523	-2.705	-25079	1.01
5204_5204	5204	5204	-2098.77	268.606	-2.31	2.3	84.602	7593.005	1.01
5204_5205	5204	5205	2101.623	-240.741	2.31	-2.3	-62.656	-5187.45	1
5205_5205	5205	5205	-2104.08	240.74	-4.927	-3.521	63.887	4941.768	1
5205_5206	5205	5206	2106.685	-219.489	4.927	3.521	-25.7	-3170.71	1
5206_5206	5206	5206	-2106.69	219.489	-1.861	1.409	25.7	3170.71	1
5206_5207	5206	5207	2109.291	-198.238	1.861	-1.409	-11.279	-1564.38	1
5207_5207	5207	5207	-2109.28	150.925	-3.649	0.067	11.279	1564.376	1
5207_5208	5207	5208	2112.276	-128.988	3.649	-0.067	17.914	-458.663	1
5208_5208	5208	5208	-2112.28	128.988	-3.649	0.067	-17.914	458.663	1
5208_5209	5208	5209	2115.267	-107.052	3.649	-0.067	47.106	471.549	1
5209_5209	5209	5209	-2115.27	107.052	-3.649	0.067	-47.106	-471.549	1
5209_5210	5209	5210	2118.259	-85.116	3.649	-0.067	76.299	1226.26	1
5210_5210	5210	5210	-2118.3	36.462	1.349	-0.235	-76.299	-1226.26	1
5210_5211	5210	5211	2120.927	-20.01	-1.349	0.235	68.204	1383.659	1
5211_5211	5211	5211	-2120.93	20.01	-2.612	0.538	-68.204	-1383.66	1
5211_5212	5211	5212	2123.553	-3.558	2.612	-0.538	83.876	1442.336	1
5212_5212	5212	5212	-2123.55	3.558	1.349	-0.259	-83.876	-1442.34	1
5212_5213	5212	5213	2126.179	12.894	-1.349	0.259	75.782	1402.3	1
5213_5213	5213	5213	-2126.18	-12.894	-2.612	0.397	-75.782	-1402.3	1
5213_5214	5213	5214	2128.805	29.346	2.612	-0.397	91.454	1263.539	1
5214_5214	5214	5214	-2128.87	-77.77	1.731	0.315	-91.454	-1263.44	1
5214_5215	5214	5215	2132.86	99.706	-1.731	-0.315	77.607	535.494	1
5215_5215	5215	5215	-2132.86	-99.706	4.701	1.04	-77.607	-535.496	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5215_5216	5215	5216	2136.851	121.642	-4.701	-1.04	39.993	-367.934	1
5216_5216	5216	5216	-2136.86	-121.642	1.731	-0.892	-39.993	367.935	1
5216_5217	5216	5217	2140.851	143.578	-1.731	0.892	26.146	-1446.88	1
5217_5217	5217	5217	-2140.87	-189.418	2.086	-16.608	-26.146	1446.722	1
5217_5218	5217	5218	2145.195	210.641	-2.086	16.608	10.001	-3014.33	1
5218_5218	5218	5218	-2145.19	-210.641	5.188	-10.972	-10.001	3014.343	1
5218_5219	5218	5219	2149.518	231.892	-5.188	10.972	-30.209	-4748.55	1
5219_5219	5219	5219	-2141.17	-231.889	19.713	28.653	30.297	4970.979	1
5219_5220	5219	5220	2146.264	259.752	-19.713	-28.653	-217.568	-7329.56	1
5220_5220	5220	5220	200.579	513.66	0.524	-35.17	-1.45	24707.44	1
5220_5221	5220	5221	-178.522	-471.929	-0.524	35.175	-5.144	-18504	1
5221_5221	5221	5221	165.206	479.848	0.364	34.477	-2.21	18500.46	1
5221_5222	5221	5222	-145.051	-440.322	-0.364	-34.473	-2.362	-12722.6	1.01
5222_5222	5222	5222	129.675	403.511	0.841	-2.552	5.648	12720.76	1.01
5222_5223	5222	5223	-114.794	-363.239	-0.841	2.497	-16.805	-7614.37	1.01
5223_5223	5223	5223	622.463	362.855	0.509	2.38	-1.123	4770.345	1.01
5223_5224	5223	5224	-624.332	-330.689	-0.509	-2.403	-4.862	-756.399	1.04
5224_5224	5224	5224	616.573	283.715	0.233	11.942	4.779	757.498	1.04
5224_5225	5224	5225	-600.343	-261.465	-0.233	-11.937	-6.698	1400.499	1
5225_5225	5225	5225	573.786	265.785	0.018	-8.734	7.072	-1202.39	1
5225_5226	5225	5226	-527.246	-222.599	-0.018	8.734	-7.355	4769.072	1
5226_5226	5226	5226	527.237	169.019	0.799	20.004	7.355	-4769.02	1
5226_5227	5226	5227	-491.203	-135.871	-0.799	-20.004	-16.821	6418.325	1
5227_5227	5227	5227	491.209	135.871	0.574	-19.554	16.821	-6418.33	1
5227_5228	5227	5228	-455.171	-102.719	-0.574	19.554	-23.623	7674.821	1
5228_5228	5228	5228	454.996	49.695	0.388	21.296	23.623	-7673.37	1
5228_5229	5228	5229	-418.744	-14.465	-0.388	-21.296	-28.226	7895.214	1
5229_5229	5229	5229	418.737	14.632	0.163	-21.088	28.226	-7895.21	1
5229_5230	5229	5230	-384.716	20.603	-0.163	21.088	-30.164	7710.146	1
5230_5230	5230	5230	384.65	-74.755	-0.26	12.517	30.164	-7708.9	1
5230_5231	5230	5231	-350.265	110.975	0.26	-12.517	-26.993	6425.496	1
5231_5231	5231	5231	350.262	-110.804	-0.435	-13.066	26.993	-6425.49	1
5231_5232	5231	5232	-318.235	147.029	0.435	13.066	-21.689	4711.771	1
5232_5232	5232	5232	317.928	-202.543	4.584	5.295	21.689	-4710.98	1
5232_5233	5232	5233	-295.384	229.852	-4.584	-5.295	-63.817	2623.71	1
5233_5233	5233	5233	304.403	-226.967	5.33	-0.345	68.4	-2655.89	1
5233_5234	5233	5234	-287.361	247.874	-5.33	0.396	-105.116	942.741	1.03
5234_5234	5234	5234	291.421	-243.199	5.208	-5.567	105.009	-942.019	1.03
5234_5235	5234	5235	-272.625	266.869	-5.208	5.717	-145.332	-1124.89	1.02
5235_5235	5235	5235	279.318	-307.406	-4.433	-7.215	145.259	1124.829	1.02
5235_5236	5235	5236	-266.286	323.973	4.433	7.047	-121.452	-2890.99	1.01
5236_5236	5236	5236	226.311	-319.893	-6.326	-1.844	200.497	3132.575	1.01
5236_5237	5236	5237	-218.906	351.506	6.326	1.425	-146.967	-6047.86	1.01
5237_5237	5237	5237	224.743	-346.744	-6.413	11.417	148.027	6049.517	1.01
5237_5238	5237	5238	-222.451	371.803	6.413	-11.82	-105.676	-8475.79	1.01
5238_5238	5238	5238	233.146	-418.315	-2.468	-17.987	103.349	8476.054	1.01
5238_5239	5238	5239	-234.182	456.602	2.468	17.873	-78.977	-12869.2	1
5239_5239	5239	5239	259.405	-438.834	-2.567	12.875	82.989	12879.61	1
5239_5240	5239	5240	-270.021	481.642	2.567	-13.05	-55.56	-17871.5	1
5240_5240	5240	5240	-1925.28	319.064	-69.441	-5.252	1359.508	5821.865	1
5240_5241	5240	5241	1934.164	-274.412	69.441	5.252	-506.299	-2213.17	1
5241_5241	5241	5241	-1931.51	274.515	-60.55	6.99	508.799	2199.152	1
5241_5242	5241	5242	1935.118	-253.538	60.55	-6.99	-154.317	-668.752	1
5242_5242	5242	5242	-1935.17	253.613	-58.838	8.183	154.317	668.772	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5242_5243	5242	5243	1938.538	-230.838	58.838	-8.183	219.654	856.347	1
5243_5243	5243	5243	-1940.75	187.86	-11.435	3.251	-219.654	-856.923	1
5243_5244	5243	5244	1948.129	-152.65	11.435	-3.251	332.023	2498.429	1
5244_5244	5244	5244	-1948.16	152.771	-3.952	-1.724	-332.023	-2498.44	1
5244_5245	5244	5245	1954.16	-117.696	3.952	1.724	370.712	3796.197	1
5245_5245	5245	5245	-1953.39	76.973	-15.95	5.897	-370.712	-3795.38	1
5245_5246	5245	5246	1958.64	-40.634	15.95	-5.897	532.475	4368.592	1
5246_5246	5246	5246	-1958.67	40.755	-8.399	-4.922	-532.475	-4368.67	1
5246_5247	5246	5247	1962.271	-6.778	8.399	4.922	612.111	4577.579	1
5247_5247	5247	5247	-1962.17	-36.426	-5.85	4.936	-612.111	-4576.69	1
5247_5248	5247	5248	1965.108	69.727	5.85	-4.936	666.481	4069.628	1
5248_5248	5248	5248	-1965.14	-69.606	1.057	-3.643	-666.481	-4069.52	1
5248_5249	5248	5249	1966.982	106.621	-1.057	3.643	655.567	3149.618	1
5249_5249	5249	5249	-1968.09	-146.153	37.576	1.17	-655.567	-3149.26	1
5249_5250	5249	5250	1968.816	182.387	-37.576	-1.17	275.599	1483.038	1
5250_5250	5250	5250	-1968.7	-182.265	43.37	0.977	-275.599	-1483.1	1
5250_5251	5250	5251	1968.066	216.348	-43.37	-0.977	-136.925	-412.267	1
5251_5251	5251	5251	-1965.64	-271.204	-25.373	-36.694	136.925	411.037	1
5251_5252	5251	5252	1965.697	292.875	25.373	36.694	16.527	-2118.46	1
5252_5252	5252	5252	-1965.74	-292.799	-21.913	-31.11	-16.527	2118.517	1
5252_5253	5252	5253	1965.258	315.229	21.913	31.11	153.7	-4021.17	1
5253_5253	5253	5253	-1961.86	-315.129	-16.187	-16.79	-154.436	4004.606	1
5253_5254	5253	5254	1960.08	349.645	16.187	16.79	308.174	-7156.69	1.01
5254_5254	5254	5254	280.872	503.792	-77.582	231.594	-240.183	20496.71	1.01
5254_5255	5254	5255	-275.681	-492.739	77.582	-231.713	450.177	-19147.2	1.01
5255_5255	5255	5255	258.305	446.133	40.833	-25.619	-416.639	19138.83	1.01
5255_5256	5255	5256	-234.65	-396.067	-40.833	25.86	-98.059	-13829.6	1.02
5256_5256	5256	5256	225.339	404.372	40.557	38.867	91.491	13825.98	1.02
5256_5257	5256	5257	-209.817	-369.343	-40.557	-38.715	-462.088	-10286.5	1.02
5257_5257	5257	5257	200.829	319.95	-21.167	-31.935	467.155	10283.59	1.02
5257_5258	5257	5258	-190.845	-295.468	21.167	31.954	-329.259	-8275.47	1.03
5258_5258	5258	5258	186.203	300.307	-21.337	-10.393	327.248	8274.483	1.03
5258_5259	5258	5259	-177.473	-272.686	21.337	10.411	-168.339	-6132.51	1.04
5259_5259	5259	5259	118.09	279.056	-21.483	14.532	170.02	6421.826	1.04
5259_5260	5259	5260	-113.08	-254.767	21.483	-14.521	-4.905	-4350.56	1.04
5260_5260	5260	5260	637.814	207.647	2.185	14.609	-16.754	1680.759	1.04
5260_5261	5260	5261	-662.812	-188.251	-2.185	-14.62	3.839	-413.459	1.04
5261_5261	5261	5261	660.135	194.404	1.8	-0.042	-3.518	412.798	1.04
5261_5262	5261	5262	-680.27	-173.574	-1.8	0.037	-8.015	849.015	1
5262_5262	5262	5262	705.53	177.918	1.605	-6.097	7.624	-1158.54	1
5262_5263	5262	5263	-736.521	-138.962	-1.605	6.097	-27.183	3239.584	1
5263_5263	5263	5263	736.552	76.279	0.835	14.112	27.183	-3239.57	1
5263_5264	5263	5264	-769.454	-39.782	-0.835	-14.112	-36.72	4060.783	1
5264_5264	5264	5264	769.443	39.952	0.523	-12.687	36.72	-4060.74	1
5264_5265	5264	5265	-805.193	-2.765	-0.523	12.687	-42.803	4480.205	1
5265_5265	5265	5265	805.192	-50.993	0.426	19.956	42.803	-4480.14	1
5265_5266	5265	5266	-841.441	88.26	-0.426	-19.956	-47.776	3841.526	1
5266_5266	5266	5266	841.442	-88.09	-0.004	-19.77	47.776	-3841.55	1
5266_5267	5266	5267	-879.043	124.505	0.004	19.77	-47.729	2808.916	1
5267_5267	5267	5267	879.12	-180.045	1.61	18.402	47.729	-2808.92	1
5267_5268	5267	5268	-918.234	216.926	-1.61	-18.402	-66.308	704.143	1
5268_5268	5268	5268	918.247	-216.756	1.09	-19.069	66.308	-704.139	1
5268_5269	5268	5269	-959.452	253.532	-1.09	19.069	-78.853	-1807.2	1
5269_5269	5269	5269	959.473	-306.485	-0.893	5.035	78.853	1807.248	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5269_5270	5269	5270	-991.376	334.808	0.893	-5.035	-70.936	-4498.15	1
5270_5270	5270	5270	991.362	-334.678	-1.208	-5.108	70.936	4498.198	1
5270_5271	5270	5271	-1024.43	362.884	1.208	5.108	-60.278	-7420.78	1.05
5271_5271	5271	5271	946.291	-358.022	-1.714	-6.167	51.321	8073.833	1.05
5271_5272	5271	5272	-957.014	380.008	1.714	6.148	-40.352	-10370.5	1.05
5272_5272	5272	5272	964.529	-437.072	11.734	-12.118	40.153	10370.12	1.05
5272_5273	5272	5273	-959.88	461.433	-11.734	12.179	-122.669	-13497	1.05
5273_5273	5273	5273	966.598	-453.39	11.52	-5.086	122.808	13496.37	1.05
5273_5274	5273	5274	-946.926	476.478	-11.52	5.178	-198.284	-16555.8	1.05
5274_5274	5274	5274	839.795	-469.579	11.903	13.177	185.868	17250.38	1.05
5274_5275	5274	5275	-795.118	514.419	-11.903	-12.888	-318.733	-22808.8	1.03
5275_5275	5275	5275	810.018	-568.146	-45.626	-44.688	315.179	22812.99	1.03
5275_5276	5275	5276	-759.806	609.139	45.626	43.568	134.824	-28729.2	1.02
5276_5276	5276	5276	772.231	-599.434	-46.042	41.229	-127.813	28729.51	1.02
5276_5277	5276	5277	-725.051	640.562	46.042	-42.472	568.518	-34787.4	1.02
5277_5277	5277	5277	386.892	-699.214	73.054	-70.629	-1052.84	37571.35	1.02
5277_5278	5277	5278	-389.911	732.921	-73.054	70.163	485.898	-43176.4	1
5278_5278	5278	5278	-3053.29	451.825	35.644	10.081	-198.213	14816.92	1
5278_5279	5278	5279	3065.375	-415.204	-35.644	-10.081	-140.075	-10751.7	1
5279_5279	5279	5279	-3071.98	415.286	45.94	48.358	142.416	11053.11	1
5279_5280	5279	5280	3079.909	-391.659	-45.94	-48.358	-442.553	-8450.31	1
5280_5280	5280	5280	-3081.61	319.115	-57.78	-8.642	442.553	8451.604	1
5280_5281	5280	5281	3090.271	-276.937	57.78	8.642	231.327	-5011.61	1
5281_5281	5281	5281	-3090.43	277.091	-48.917	6.353	-231.327	5011.695	1
5281_5282	5281	5282	3097.494	-232.212	48.917	-6.353	838.365	-1881.17	1
5282_5282	5282	5282	-3146.23	180.554	4.979	-1.419	-851.575	2111.464	1
5282_5283	5282	5283	3157.626	-142.113	-4.979	1.419	789.898	-160.902	1
5283_5283	5283	5283	-3157.58	142.242	15.366	1.406	-789.898	160.814	1
5283_5284	5283	5284	3166.681	-105.988	-15.366	-1.406	610.357	1250.47	1
5284_5284	5284	5284	-3166.83	-9.176	13.192	0.368	-610.357	-1250.56	1
5284_5285	5284	5285	3169.904	44.162	-13.192	-0.368	461.616	936.557	1
5285_5285	5285	5285	-3169.84	-44.048	21.173	0.353	-461.616	-936.682	1
5285_5286	5285	5286	3171.322	75.291	-21.173	-0.353	248.429	329.002	1
5286_5286	5286	5286	-3171.32	-158.433	37.833	-3.235	-248.429	-328.76	1
5286_5287	5286	5287	3174.082	193.837	-37.833	3.235	-183.257	-1693.56	1
5287_5287	5287	5287	-3173.93	-193.715	49.352	6.149	183.257	1693.562	1
5287_5288	5287	5288	3175.174	229.301	-49.352	-6.149	-749.266	-4125.87	1
5288_5288	5288	5288	-3176.52	-231.899	-31.667	-21.899	749.266	4126.011	1
5288_5289	5288	5289	3177.384	244.306	31.667	21.899	-622.637	-5082.18	1
5289_5289	5289	5289	-3169.09	-244.235	-26.924	-10.745	622.939	4763.46	1
5289_5290	5289	5290	3170.218	276.012	26.924	10.745	-367.163	-7240.32	1.01
5290_5290	5290	5290	296.184	969.235	-22.838	12.96	90.785	32195.96	1.01
5290_5291	5290	5291	-281.414	-929.595	22.838	-13.093	147.771	-22311.9	1.02
5291_5291	5291	5291	249.08	848.109	1.52	-30.608	-143.435	22311.05	1.02
5291_5292	5291	5292	-233.681	-808.494	-1.52	30.646	126.936	-13355.4	1.02
5292_5292	5292	5292	212.239	815.925	1.364	31.029	-130.927	13353.25	1.02
5292_5293	5292	5293	-199.808	-781.413	-1.364	-31.004	117.656	-5613.27	1.03
5293_5293	5293	5293	179.993	696.446	3.7	-4.636	-115.678	5612.864	1.03
5293_5294	5293	5294	-172.358	-670.963	-3.7	4.631	88.683	-643.353	1.05
5294_5294	5294	5294	134.39	675.819	3.585	3.669	-86.54	766.649	1.05
5294_5295	5294	5295	-128.665	-652.516	-3.585	-3.671	59.167	4286.613	1.08
5295_5295	5295	5295	119.927	655.433	3.484	-0.222	-59.109	-4286.86	1.08
5295_5296	5295	5296	-116.918	-630.454	-3.484	0.222	30.538	9547.245	1.08
5296_5296	5296	5296	17.182	554.294	2.018	17.625	-13.169	-8987.57	1.08

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5296_5297	5296	5297	-17.946	-541.71	-2.018	-17.625	4.795	11266.41	1
5297_5297	5297	5297	66.481	541.799	2.132	10.646	-10.278	-11539.8	1
5297_5298	5297	5298	-67.773	-509.512	-2.132	-10.646	-9.466	16417.61	1
5298_5298	5298	5298	67.78	509.592	2.044	-20.189	9.466	-16417.6	1
5298_5299	5298	5299	-69.867	-477.646	-2.044	20.189	-28.2	20954.21	1
5299_5299	5299	5299	69.798	402.087	-0.059	47.714	28.2	-20955.6	1
5299_5300	5299	5300	-72.234	-361.426	0.059	-47.714	-27.515	25423.49	1
5300_5300	5300	5300	72.22	361.53	-0.201	-38.31	27.515	-25423.4	1
5300_5301	5300	5301	-76.234	-318.327	0.201	38.31	-25.018	29658.94	1
5301_5301	5301	5301	76.226	238.7	-0.187	58.228	25.018	-29661.3	1
5301_5302	5301	5302	-81.043	-195.101	0.187	-58.228	-22.674	32400.27	1
5302_5302	5302	5302	81.062	195.206	-0.329	-54.942	22.674	-32400.4	1
5302_5303	5302	5303	-86.836	-154.973	0.329	54.942	-18.878	34451.58	1
5303_5303	5303	5303	86.822	77.129	1.634	68.997	18.878	-34453.8	1
5303_5304	5303	5304	-93.567	-31.774	-1.634	-68.997	-40.146	35197.39	1
5304_5304	5304	5304	93.612	31.879	1.475	-72.318	40.146	-35197.6	1
5304_5305	5304	5305	-100.611	6.627	-1.475	72.318	-56.437	35372.83	1
5305_5305	5305	5305	100.572	-84.279	-0.317	55.445	56.437	-35375.3	1
5305_5306	5305	5306	-108.269	126.302	0.317	-55.445	-52.613	34145	1
5306_5306	5306	5306	108.27	-126.198	-0.437	-48.003	52.613	-34145	1
5306_5307	5306	5307	-117.299	167.968	0.437	48.003	-47.379	32427.85	1
5307_5307	5307	5307	117.315	-247.021	1.758	57.784	47.379	-32430.1	1
5307_5308	5307	5308	-126.666	288.438	-1.758	-57.784	-68.273	29295.72	1
5308_5308	5308	5308	126.667	-288.333	1.613	-50.344	68.273	-29295.7	1
5308_5309	5308	5309	-137.647	330.766	-1.613	50.344	-87.906	25581.95	1
5309_5309	5309	5309	137.679	-399.039	1.932	37.417	87.906	-25583.5	1
5309_5310	5309	5310	-147.997	441.034	-1.932	-37.417	-111.185	20573.95	1
5310_5310	5310	5310	148.013	-440.929	1.796	-32.835	111.185	-20574	1
5310_5311	5310	5311	-159.668	482.749	-1.796	32.835	-132.728	15090.23	1
5311_5311	5311	5311	159.545	-579.531	-5.585	13.778	132.728	-15090.8	1
5311_5312	5311	5312	-177.283	623.451	5.585	-13.778	-62.359	7599.206	1
5312_5312	5312	5312	177.275	-623.349	-5.757	-16.522	62.359	-7599.34	1
5312_5313	5312	5313	-193.735	661.101	5.757	16.522	0	724.45	1
5400_5020	5400	5020	2687.997	-244.248	21.885	0.868	-352.887	-3537.18	1
5400_5401	5400	5401	-2689.05	248.228	-21.885	-0.868	263.413	2530.47	1
5401_5401	5401	5401	2685.951	-244.531	22.625	-1.31	-257.117	-2530.55	1
5401_5402	5401	5402	-2686.86	247.924	-22.625	1.31	178.19	1671.592	1
5402_5402	5402	5402	2692.07	-183.38	17.615	-0.208	-179.1	-1671.5	1
5402_5403	5402	5403	-2695.16	193.932	-17.615	0.208	-13.28	-388.903	1
5403_5403	5403	5403	2691.695	-115.921	0.378	-0.76	11.493	388.901	1
5403_5404	5403	5404	-2693.95	122.816	-0.378	0.76	-14.22	-1249.07	1
5404_5404	5404	5404	2696.051	-61.296	-1.726	-0.102	14.546	1249.068	1
5404_5405	5404	5405	-2698.47	68.15	1.726	0.102	-2.088	-1716.29	1
5405_5405	5405	5405	2698.127	22.032	0.405	-0.405	1.171	1716.294	1
5405_5406	5405	5406	-2703.43	-8.527	-0.405	0.405	-7.004	-1496.08	1
5406_5406	5406	5406	2703.169	99.525	0.435	-0.729	6.193	1496.081	1
5406_5407	5406	5407	-2706.72	-91.345	-0.435	0.729	-10.044	-650.688	1
5407_5407	5407	5407	2704.204	148.184	-3.583	0.003	10.46	650.682	1
5407_5408	5407	5408	-2706.66	-142.845	3.583	-0.003	9.442	157.587	1
5408_5408	5408	5408	2683.694	-431.183	0.278	-1.202	-10.29	-157.587	1
5408_5409	5408	5409	-2684.39	434.298	-0.278	1.202	9.45	-1148.58	1
5409_5409	5409	5409	2679.68	416.611	7.008	0.24	-9.233	1149.241	1
5409_5410	5409	5410	-2678.98	-413.484	-7.008	-0.24	-11.995	107.969	1
5410_5410	5410	5410	2702.967	-161.797	-2.068	-0.034	11.88	-107.942	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5410_5411	5410	5411	-2700.51	167.134	2.068	0.034	-0.393	-805.442	1
5411_5411	5411	5411	2703.427	-110.413	0.751	-0.867	0.751	805.441	1
5411_5412	5411	5412	-2699.87	118.59	-0.751	0.867	-7.406	-1819.51	1
5412_5412	5412	5412	2705.699	-27.231	0.161	-0.555	6.692	1819.533	1
5412_5413	5412	5413	-2700.39	40.74	-0.161	0.555	-9.01	-2309.46	1
5413_5413	5413	5413	2705.989	48.415	-1.179	0.332	8.25	2309.503	1
5413_5414	5413	5414	-2703.57	-41.565	1.179	-0.332	0.256	-1984.94	1
5414_5414	5414	5414	2701.919	103.298	1.048	-1.319	0.295	1984.944	1
5414_5415	5414	5415	-2699.66	-96.408	-1.048	1.319	-7.845	-1265.89	1
5415_5415	5415	5415	2704.798	174.676	-7.889	-0.41	8.905	1265.891	1
5415_5416	5415	5416	-2701.71	-164.124	7.889	0.41	77.254	584.144	1
5416_5416	5416	5416	2696.866	229.893	-16.758	-0.494	-76.717	-584.215	1
5416_5417	5416	5417	-2695.96	-226.495	16.758	0.494	135.256	1381.329	1
5417_5417	5417	5417	2699.806	224.226	-29.864	-1.487	-137.632	-1381.22	1
5417_5036	5417	5036	-2698.76	-220.271	29.864	1.487	259.003	2284.481	1.02
5420_5056	5420	5056	2231.523	-227.854	13.697	0.951	-151.373	-3791.44	1
5420_5421	5420	5421	-2232.45	231.387	-13.697	-0.951	95.287	2851.233	1
5421_5421	5421	5421	2228.924	-228.123	8.052	0.004	-92.192	-2851.24	1
5421_5422	5421	5422	-2229.73	231.128	-8.052	-0.004	64.118	2050.602	1
5422_5422	5422	5422	2234.633	-177.582	6.77	0.338	-64.453	-2050.59	1
5422_5423	5422	5423	-2237.37	186.928	-6.77	-0.338	-9.449	60.965	1
5423_5423	5423	5423	2235.281	-124.012	0.618	0.075	7.791	-60.969	1
5423_5424	5423	5424	-2237.28	130.129	-0.618	-0.075	-12.246	-855.647	1
5424_5424	5424	5424	2239.735	-77.046	-1.155	0.471	12.486	855.643	1
5424_5425	5424	5425	-2241.88	83.109	1.155	-0.471	-4.16	-1432.81	1
5425_5425	5425	5425	2241.899	-10.502	-0.193	0.293	4.144	1432.813	1
5425_5426	5425	5426	-2246.6	22.474	0.193	-0.293	-1.367	-1670.55	1
5426_5426	5426	5426	2246.408	53.459	1.79	-0.585	0.845	1670.551	1
5426_5427	5426	5427	-2249.56	-46.217	-1.79	0.585	-16.69	-1229.34	1
5427_5427	5427	5427	2248.14	92.197	-3.235	1.771	17.913	1229.324	1
5427_5428	5427	5428	-2250.33	-87.434	3.235	-1.771	0.07	-730.117	1
5428_5428	5428	5428	2225.517	-389.424	1.743	-0.304	-0.528	730.121	1
5428_5429	5428	5429	-2226.14	392.203	-1.743	0.304	-4.737	-1910.3	1
5429_5429	5429	5429	2227.219	398.822	-4.983	0.703	4.647	1912.313	1
5429_5430	5429	5430	-2226.6	-396.034	4.983	-0.703	10.445	-708.546	1
5430_5430	5430	5430	2254.045	-84.575	1.462	0.064	-9.161	708.541	1
5430_5431	5430	5431	-2251.86	89.329	-1.462	-0.064	1.046	-1191.04	1
5431_5431	5431	5431	2253.261	-40.704	0.934	0.363	-1.165	1191.043	1
5431_5432	5431	5432	-2250.11	47.954	-0.934	-0.363	-7.106	-1583.84	1
5432_5432	5432	5432	2251.698	27.104	-0.399	0.249	6.992	1583.864	1
5432_5433	5432	5433	-2247	-15.135	0.399	-0.249	-1.247	-1279.43	1
5433_5433	5433	5433	2248.3	88.774	1.511	0.284	1.94	1279.45	1
5433_5434	5433	5434	-2246.16	-82.705	-1.511	-0.284	-12.842	-660.93	1
5434_5434	5434	5434	2243.69	133.897	0.757	0.218	12.771	660.931	1
5434_5435	5434	5435	-2241.69	-127.793	-0.757	-0.218	-18.219	281.18	1
5435_5435	5435	5435	2243.716	192.983	-15.757	-1.333	20.937	-281.164	1
5435_5436	5435	5436	-2240.98	-183.625	15.757	1.333	151.285	2339.245	1
5436_5436	5436	5436	2236.064	236.214	-12.886	5.313	-152.101	-2339.19	1
5436_5437	5436	5437	-2235.26	-233.211	12.886	-5.313	197.007	3157.108	1
5437_5437	5437	5437	2238.935	236.69	-24.892	-1.27	-201.291	-3157.42	1
5437_5072	5437	5072	-2238.01	-233.16	24.892	1.27	303.136	4118.613	1
5440_5094	5440	5094	2540.702	-210.847	10.659	0.516	-85.46	-2445.48	1.01
5440_5441	5440	5441	-2541.62	214.339	-10.659	-0.516	41.894	1576.585	1
5441_5441	5441	5441	2536.18	-211.34	5.16	0.236	-40.77	-1576.59	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5441_5442	5441	5442	-2536.98	214.32	-5.16	-0.236	22.762	833.842	1
5442_5442	5442	5442	2541.391	-153.391	2.402	-0.139	-23.019	-833.835	1
5442_5443	5442	5443	-2544.1	162.656	-2.402	0.139	-3.223	-892.636	1
5443_5443	5443	5443	2540.941	-88.033	1.568	-0.788	2.115	892.636	1
5443_5444	5443	5444	-2542.92	94.08	-1.568	0.788	-13.408	-1548.32	1
5444_5444	5444	5444	2544.405	-36.037	-1.488	0.775	14.046	1548.313	1
5444_5445	5444	5445	-2546.53	42.048	1.488	-0.775	-3.313	-1829.97	1
5445_5445	5445	5445	2544.455	42.536	-0.327	0.038	4.729	1829.977	1
5445_5446	5445	5446	-2549.11	-30.682	0.327	-0.038	-0.01	-1302.3	1
5446_5446	5446	5446	2545.981	116.778	1.806	0.071	0.88	1302.305	1
5446_5447	5446	5447	-2549.1	-109.601	-1.806	-0.071	-16.879	-299.776	1
5447_5447	5447	5447	2546.308	162.001	0.373	-0.112	16.952	299.772	1
5447_5448	5447	5448	-2548.48	-157.28	-0.373	0.112	-19.025	587.697	1
5448_5448	5448	5448	2531.473	-383.911	-7.769	3.682	20.862	-587.706	1
5448_5449	5448	5449	-2532.09	386.669	7.769	-3.682	2.631	-577.406	1
5449_5449	5449	5449	2531.434	383.807	8.621	-3.797	-2.605	577.689	1
5449_5450	5449	5450	-2530.82	-381.049	-8.621	3.797	-23.471	578.997	1
5450_5450	5450	5450	2546.779	-161.648	-1.753	0.14	22.247	-578.976	1
5450_5451	5450	5451	-2544.61	166.361	1.753	-0.14	-12.518	-331.355	1
5451_5451	5451	5451	2547.579	-112.09	-1.102	-0.21	12.555	331.354	1
5451_5452	5451	5452	-2544.46	119.269	1.102	0.21	-2.795	-1356.04	1
5452_5452	5452	5452	2547.507	-33.143	0.128	-0.087	1.697	1356.039	1
5452_5453	5452	5453	-2542.85	44.998	-0.128	0.087	-3.536	-1919.21	1
5453_5453	5453	5453	2544.428	39.457	0.569	-0.147	2.789	1919.213	1
5453_5454	5453	5454	-2542.31	-33.447	-0.569	0.147	-6.891	-1656.25	1
5454_5454	5454	5454	2540.844	92.506	0.057	0.031	6.776	1656.254	1
5454_5455	5454	5455	-2538.86	-86.451	-0.057	-0.031	-7.185	-1011.14	1
5455_5455	5455	5455	2540.111	159.379	-2.412	0.037	7.665	1011.148	1
5455_5456	5455	5456	-2537.4	-150.124	2.412	-0.037	18.661	677.91	1
5456_5456	5456	5456	2533.011	211.575	-4.784	-0.16	-18.481	-677.915	1
5456_5457	5456	5457	-2532.22	-208.596	4.784	0.16	35.173	1410.96	1
5457_5457	5457	5457	2537.731	213.44	-10.874	-0.492	-36.097	-1410.94	1
5457_5110	5457	5110	-2536.81	-209.939	10.874	0.492	80.639	2278.059	1.01
5460_5132	5460	5132	2155.21	-225.852	-6.79	-1.069	225.24	-3692.15	1.03
5460_5461	5460	5461	-2156.13	229.36	6.79	1.069	-197.372	2757.964	1
5461_5461	5461	5461	2151.411	-226.794	-17.815	0.916	189.727	-2757.94	1
5461_5462	5461	5462	-2152.21	229.771	17.815	-0.916	-127.587	1961.667	1
5462_5462	5462	5462	2157.115	-178.065	-15.887	-0.349	128.099	-1961.63	1
5462_5463	5462	5463	-2159.83	187.325	15.887	0.349	45.396	-33.467	1
5463_5463	5463	5463	2149.738	-121.038	0.488	0.799	-42.204	33.356	1
5463_5464	5463	5464	-2151.72	127.091	-0.488	-0.799	38.69	-927.512	1
5464_5464	5464	5464	2154.079	-77.067	6.515	-0.931	-39.588	927.474	1
5464_5465	5464	5465	-2156.2	83.076	-6.515	0.931	-7.396	-1504.92	1
5465_5465	5465	5465	2140.862	-0.784	-0.384	-0.08	6.85	1504.866	1
5465_5466	5465	5466	-2145.52	12.633	0.384	0.08	-1.317	-1601.53	1
5466_5466	5466	5466	2119.533	80.126	-1.46	0.479	2.084	1601.626	1
5466_5467	5466	5467	-2122.65	-72.951	1.46	-0.479	10.842	-923.914	1
5467_5467	5467	5467	2120.703	116.568	2.548	-1.001	-11.612	923.905	1
5467_5468	5467	5468	-2122.87	-111.848	-2.548	1.001	-2.551	-289.167	1
5468_5468	5468	5468	2074.393	-302.446	0.85	-0.55	2.41	289.164	1
5468_5469	5468	5469	-2075.01	305.203	-0.85	0.55	-4.98	-1207.65	1
5469_5469	5469	5469	2066.939	301.038	0.034	0.46	-12.321	1185.565	1
5469_5470	5469	5470	-2066.32	-298.281	-0.034	-0.46	12.219	-279.671	1
5470_5470	5470	5470	2114.653	-114.395	1.844	-0.539	-11.83	279.691	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5470_5471	5470	5471	-2112.48	119.115	-1.844	0.539	1.583	-928.583	1
5471_5471	5471	5471	2114.521	-74.706	0.247	0.186	-1.894	928.582	1
5471_5472	5471	5472	-2111.4	81.889	-0.247	-0.186	-0.292	-1622.59	1
5472_5472	5472	5472	2138.889	8.38	0.318	-0.082	-0.42	1622.488	1
5472_5473	5472	5473	-2134.23	3.469	-0.318	0.082	-4.168	-1587.11	1
5473_5473	5473	5473	2152.18	75.912	-0.613	-0.107	3.086	1587.131	1
5473_5474	5473	5474	-2150.06	-69.903	0.613	0.107	1.333	-1061.36	1
5474_5474	5474	5474	2147.854	119.858	-0.763	0	-1.36	1061.363	1
5474_5475	5474	5475	-2145.88	-113.805	0.763	0	6.862	-219.324	1
5475_5475	5475	5475	2157.987	177.536	3.436	-0.013	-7.587	219.327	1
5475_5476	5475	5476	-2155.27	-168.275	-3.436	0.013	-29.937	1668.985	1
5476_5476	5476	5476	2150.615	219.937	4.283	-0.056	29.748	-1668.99	1
5476_5477	5476	5477	-2149.82	-216.959	-4.283	0.056	-44.687	2431.007	1
5477_5477	5477	5477	2154.092	220.247	1.216	0.309	47.718	-2430.94	1
5477_5148	5477	5148	-2153.17	-216.748	-1.216	-0.309	-52.698	3325.671	1
5480_5168	5480	5168	2085.263	-239.751	2.772	0.068	7.221	-4419.47	1
5480_5481	5480	5481	-2086.18	243.251	-2.772	-0.068	-18.573	3430.52	1
5481_5481	5481	5481	2083.076	-241.493	-4.634	-4.821	15.155	-3430.44	1
5481_5482	5481	5482	-2083.87	244.471	4.634	4.821	1.008	2582.858	1
5482_5482	5482	5482	2089.191	-193.881	0.357	1.548	0.735	-2582.86	1
5482_5483	5482	5483	-2091.9	203.132	-0.357	-1.548	-4.631	416.865	1
5483_5483	5483	5483	2094.158	-141.83	-1.593	0.355	4.592	-416.874	1
5483_5484	5483	5484	-2096.14	147.883	1.593	-0.355	6.887	-627.148	1
5484_5484	5484	5484	2099.008	-99.133	1.416	-0.399	-7.199	627.144	1
5484_5485	5484	5485	-2101.13	105.142	-1.416	0.399	-3.009	-1363.71	1
5485_5485	5485	5485	2096.606	-26.954	-0.187	-0.032	3.535	1363.75	1
5485_5486	5485	5486	-2101.26	38.812	0.187	0.032	-0.838	-1837.87	1
5486_5486	5486	5486	2087.191	52.338	-2.014	0.208	0.645	1837.987	1
5486_5487	5486	5487	-2090.31	-45.163	2.014	-0.208	17.189	-1406.32	1
5487_5487	5487	5487	2088.941	88.131	-0.471	-0.457	-17.649	1406.314	1
5487_5488	5487	5488	-2091.11	-83.412	0.471	0.457	20.268	-929.618	1
5488_5488	5488	5488	2047.398	-326.543	-0.938	-0.666	-21.231	929.656	1
5488_5489	5488	5489	-2048.02	329.3	0.938	0.666	24.067	-1920.99	1
5489_5489	5489	5489	2048.743	330.485	-2.125	1.013	14.336	1922.422	1
5489_5490	5489	5490	-2048.13	-327.728	2.125	-1.013	-7.912	-927.507	1
5490_5490	5490	5490	2095.822	-82.978	0.557	-0.524	7.515	927.485	1
5490_5491	5490	5491	-2093.65	87.698	-0.557	0.524	-10.608	-1401.77	1
5491_5491	5491	5491	2095.014	-44.633	-0.99	0.284	10.149	1401.775	1
5491_5492	5491	5492	-2091.9	51.808	0.99	-0.284	-1.387	-1828.75	1
5492_5492	5492	5492	2109.647	38.927	-0.266	0.001	0.837	1828.809	1
5492_5493	5492	5493	-2104.99	-27.068	0.266	-0.001	3	-1353.04	1
5493_5493	5493	5493	2113.785	105.192	1.356	-0.388	-2.743	1353.045	1
5493_5494	5493	5494	-2111.67	-99.184	-1.356	0.388	-7.039	-616.112	1
5494_5494	5494	5494	2108.79	148.227	-1.67	0.354	6.732	616.116	1
5494_5495	5494	5495	-2106.81	-142.175	1.67	-0.354	5.305	430.39	1
5495_5495	5495	5495	2110.118	204.216	0.827	1.548	-5.637	-430.376	1
5495_5496	5495	5496	-2107.41	-194.956	-0.827	-1.548	-3.396	2610.067	1
5496_5496	5496	5496	2102.119	245.445	-4.186	-4.96	5.149	-2610.06	1
5496_5497	5496	5497	-2101.32	-242.468	4.186	4.96	9.455	3461.038	1
5497_5497	5497	5497	2104.098	244.398	2.632	0.139	-12.915	-3461.1	1
5497_5184	5497	5184	-2103.18	-240.899	-2.632	-0.139	2.137	4454.751	1.02
5500_5204	5500	5204	2429.91	-245.709	-0.788	0.398	-46.836	-4108.41	1.01
5500_5501	5500	5501	-2431	249.847	0.788	-0.398	50.062	3093.777	1
5501_5501	5501	5501	2429.072	-246.909	4.581	0.322	-47.134	-3093.89	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5501_5502	5501	5502	-2430.01	250.431	-4.581	-0.322	31.152	2226.438	1
5502_5502	5502	5502	2435.323	-192.058	3.625	0.174	-31.398	-2226.44	1
5502_5503	5502	5503	-2438.53	203.01	-3.625	-0.174	-8.189	69.153	1
5503_5503	5503	5503	2436.715	-133.723	-2.147	0.745	8.105	-69.145	1
5503_5504	5503	5504	-2439.06	140.881	2.147	-0.745	7.37	-920.429	1
5504_5504	5504	5504	2441.671	-84.165	1.368	-0.425	-7.824	920.426	1
5504_5505	5504	5505	-2444.18	91.271	-1.368	0.425	-2.043	-1553.01	1
5505_5505	5505	5505	2442.654	-11.939	-0.353	0.208	2.688	1552.984	1
5505_5506	5505	5506	-2448.16	25.964	0.353	-0.208	2.4	-1826.23	1
5506_5506	5506	5506	2446	56.317	1.036	0.557	-2.731	1826.256	1
5506_5507	5506	5507	-2449.69	-47.831	-1.036	-0.557	-6.445	-1365.16	1
5507_5507	5507	5507	2448.187	98.187	2.843	-0.565	6	1365.161	1
5507_5508	5507	5508	-2450.73	-92.652	-2.843	0.565	-21.8	-834.845	1
5508_5508	5508	5508	2418.679	-426.677	-3.251	1.826	23.056	834.781	1
5508_5509	5508	5509	-2419.4	429.91	3.251	-1.826	-13.228	-2129.55	1
5509_5509	5509	5509	2419.435	430.162	-2.338	-1.618	13.181	2129.317	1
5509_5510	5509	5510	-2418.71	-426.929	2.338	1.618	-6.112	-833.79	1
5510_5510	5510	5510	2447.818	-92.324	2.354	-1.254	6.555	833.795	1
5510_5511	5510	5511	-2445.28	97.859	-2.354	1.254	-19.638	-1362.29	1
5511_5511	5511	5511	2446.77	-47.574	-2.237	0.877	18.506	1362.303	1
5511_5512	5511	5512	-2443.08	56.06	2.237	-0.877	1.299	-1821.12	1
5512_5512	5512	5512	2442.342	26.288	-0.01	0.026	-0.317	1821.137	1
5512_5513	5512	5513	-2436.83	-12.263	0.01	-0.026	0.459	-1543.21	1
5513_5513	5513	5513	2435.118	91.607	2.045	-0.402	-0.234	1543.225	1
5513_5514	5513	5514	-2432.61	-84.5	-2.045	0.402	-14.512	-908.224	1
5514_5514	5514	5514	2430.051	139.957	-1.423	0.588	14.066	908.231	1
5514_5515	5514	5515	-2427.71	-132.808	1.423	-0.588	-3.821	73.42	1
5515_5515	5515	5515	2427.642	202.99	-6.472	0.795	4.295	-73.42	1
5515_5516	5515	5516	-2424.43	-192.038	6.472	-0.795	66.384	2230.462	1
5516_5516	5516	5516	2419.117	250.141	-10.094	-1.048	-65.428	-2230.49	1
5516_5517	5516	5517	-2418.18	-246.62	10.094	1.048	100.64	3096.9	1
5517_5517	5517	5517	2419.561	248.739	-41.563	-2.873	-93.644	-3096.9	1
5517_5220	5517	5220	-2418.47	-244.6	41.563	2.873	263.831	4106.942	1
5520_5240	5520	5240	2239.986	-509.562	133.815	6.169	-1304.27	-8363.38	1
5520_5521	5520	5521	-2241.29	518.028	-133.815	-6.169	391.071	4857.075	1
5521_5521	5521	5521	2304.815	-283.793	36.983	9.558	-384.354	-4865.96	1
5521_5522	5521	5522	-2305.95	288.032	-36.983	-9.558	255.097	3866.687	1
5522_5522	5522	5522	2312.482	-231.089	27.174	-1.057	-259.736	-3866.39	1
5522_5523	5522	5523	-2316.34	244.239	-27.174	1.057	-36.895	1272.039	1
5523_5523	5523	5523	2324.006	-188.061	0.768	0.561	32.417	-1271.26	1
5523_5524	5523	5524	-2326.82	196.657	-0.768	-0.561	-37.946	-114.612	1
5524_5524	5524	5524	2330.741	-142.677	-6.673	0.055	38.081	114.568	1
5524_5525	5524	5525	-2333.75	151.212	6.673	-0.055	10.035	-1174.08	1
5525_5525	5525	5525	2337.299	-85.788	-1.357	-0.031	-11.699	1173.39	1
5525_5526	5525	5526	-2343.92	102.633	1.357	0.031	31.264	-2531.65	1
5526_5526	5526	5526	2350.873	-30.716	0.816	-1.776	-29.977	2529.389	1
5526_5527	5526	5527	-2355.3	40.916	-0.816	1.776	22.747	-2846.71	1
5527_5527	5527	5527	2355.643	8.755	-1.876	1.952	-21.286	2846.719	1
5527_5528	5527	5528	-2358.67	-2.163	1.876	-1.952	31.708	-2816.4	1
5528_5528	5528	5528	2314.996	-499.136	-3.2	-7.021	-27.866	2813.99	1
5528_5529	5528	5529	-2315.86	502.99	3.2	7.021	37.542	-4328.97	1
5529_5529	5529	5529	2315.161	501.414	-0.153	4.525	-36.984	4324.952	1
5529_5530	5529	5530	-2314.3	-497.561	0.153	-4.525	37.447	-2815.15	1
5530_5530	5530	5530	2365.211	-0.894	10.389	-4.106	-40.171	2812.866	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5530_5531	5530	5531	-2362.18	7.489	-10.389	4.106	-17.551	-2836.15	1
5531_5531	5531	5531	2361.845	41.493	5.534	1.406	14.909	2836.171	1
5531_5532	5531	5532	-2357.41	-31.299	-5.534	-1.406	-63.915	-2513.88	1
5532_5532	5532	5532	2357.96	112.043	-1.696	-0.522	61.386	2512.786	1
5532_5533	5532	5533	-2351.35	-95.192	1.696	0.522	-36.934	-1018.42	1
5533_5533	5533	5533	2346.664	174.138	-3.099	0.602	36.184	1018.14	1
5533_5534	5533	5534	-2343.65	-165.602	3.099	-0.602	-13.836	206.839	1
5534_5534	5534	5534	2339.16	220.106	-4.75	0.13	13.895	-206.836	1
5534_5535	5534	5535	-2336.35	-211.506	4.75	-0.13	20.344	1762.323	1
5535_5535	5535	5535	2330.991	281.778	24.149	2.315	-16.893	-1761.04	1
5535_5536	5535	5536	-2327.14	-268.622	-24.149	-2.315	-246.837	4766.533	1
5536_5536	5536	5536	2320.114	323.685	24.675	-2.411	246.522	-4766.55	1
5536_5537	5536	5537	-2318.98	-319.459	-24.675	2.411	-332.499	5887.052	1
5537_5537	5537	5537	2333.908	319.199	-64.107	-100.232	343.225	-5902.08	1
5537_5254	5537	5254	-2332.6	-314.227	64.107	100.232	-80.709	7199.007	1.01
5540_5278	5540	5278	3583.673	-330.088	42.719	107.368	-222.233	-4122.7	1
5540_5541	5540	5541	-3585.08	335.429	-42.719	-107.368	47.566	2762.148	1
5541_5541	5541	5541	3597.274	-329.491	6.488	3.438	-45.506	-2804.27	1
5541_5542	5541	5542	-3598.49	334.053	-6.488	-3.438	22.833	1644.843	1
5542_5542	5542	5542	3605.604	-245.714	-0.796	0.607	-23.735	-1644.83	1
5542_5543	5542	5543	-3609.75	259.87	0.796	-0.607	32.422	-1115.48	1
5543_5543	5543	5543	3618.122	-156.958	3.669	-5.04	-36.332	1110.861	1
5543_5544	5543	5544	-3621.15	166.212	-3.669	5.04	9.887	-2275.5	1
5544_5544	5544	5544	3624.057	-80.77	-6.362	1.543	-7.76	2275.508	1
5544_5545	5544	5545	-3627.3	89.946	6.362	-1.543	53.596	-2890.49	1
5545_5545	5545	5545	3617.423	26.329	1.002	-1.923	-55.116	2885.466	1
5545_5546	5545	5546	-3624.54	-8.202	-1.002	1.923	40.671	-2636.55	1
5546_5546	5546	5546	3607.828	128.227	11.328	-1.73	-40.423	2633.114	1
5546_5547	5546	5547	-3612.6	-117.258	-11.328	1.73	-59.878	-1546.28	1
5547_5547	5547	5547	3609.467	190.901	6.054	-0.745	60.843	1546.245	1
5547_5548	5547	5548	-3612.72	-183.818	-6.054	0.745	-94.502	-504.562	1
5548_5548	5548	5548	3574.268	-578.383	-19.188	0.402	98.968	496.875	1
5548_5549	5548	5549	-3575.19	582.518	19.188	-0.402	-40.967	-2251.45	1
5549_5549	5549	5549	3594.497	601.597	-16.281	-2.962	41.669	2255.116	1
5549_5550	5549	5550	-3593.54	-597.533	16.281	2.962	6.808	-469.882	1
5550_5550	5550	5550	3614.196	-189.192	13.608	-2.438	-5.454	470.253	1
5550_5551	5550	5551	-3610.76	196.352	-13.608	2.438	-71.629	-1562.21	1
5551_5551	5551	5551	3614.302	-114.563	5.852	-0.755	70.061	1562.284	1
5551_5552	5551	5552	-3609.62	124.93	-5.852	0.755	-119.353	-2570.84	1
5552_5552	5552	5552	3606.865	11.912	0.028	-1.958	118.01	2570.101	1
5552_5553	5552	5553	-3599.73	5.709	-0.028	1.958	-118.402	-2526.46	1
5553_5553	5553	5553	3600.297	122.862	-7.113	-0.972	116.842	2525.557	1
5553_5554	5553	5554	-3597.07	-113.916	7.113	0.972	-66.76	-1691.99	1
5554_5554	5554	5554	3592.938	206.404	-11.177	-0.737	66.065	1692.015	1
5554_5555	5554	5555	-3589.94	-197.373	11.177	0.737	12.673	-269.796	1
5555_5555	5555	5555	3599.722	316.162	-20.28	2.025	-11.554	270.114	1
5555_5556	5555	5556	-3595.68	-302.344	20.28	-2.025	227.692	3025.731	1
5556_5556	5556	5556	3585.822	402.247	-28.943	0.825	-225.571	-3025.89	1
5556_5557	5556	5557	-3584.65	-397.768	28.943	-0.825	324.806	4397.339	1
5557_5557	5557	5557	3572.057	398.893	1.632	-17.853	-327.979	-4403.78	1
5557_5290	5557	5290	-3570.19	-391.711	-1.632	17.853	319.017	6575.142	1.01
45000_5000	45000	5000	6.76	451.419	-0.42	4.69	0	35.987	1
45000_5001	45000	5001	-6.76	-414.318	0.42	-4.69	5.341	5471.289	1
45001_5001	45001	5001	6.759	414.318	-0.429	-2.661	-5.341	-5471.29	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
45001_5002	45001	5002	-6.759	-385.491	0.429	2.661	9.581	9424.686	1
45002_5002	45002	5002	6.767	337.561	0.637	10.977	-9.581	-9424.81	1
45002_5003	45002	5003	-6.767	-302.147	-0.637	-10.977	1.841	13309.29	1
45003_5003	45003	5003	6.768	302.147	0.627	-9.338	-1.841	-13309.3	1
45003_5004	45003	5004	-6.768	-266.769	-0.627	9.338	-5.765	16760.34	1
45004_5004	45004	5004	6.765	220.929	0.46	9.176	5.765	-16760.6	1
45004_5005	45004	5005	-6.765	-185.53	-0.46	-9.176	-11.353	19227.67	1
45005_5005	45005	5005	6.765	185.53	0.454	-8.543	11.353	-19227.7	1
45005_5006	45005	5006	-6.765	-150.105	-0.454	8.543	-16.87	21266.32	1
45006_5006	45006	5006	6.763	101.909	-0.092	18.221	16.87	-21266.6	1
45006_5007	45006	5007	-6.763	-66.518	0.092	-18.221	-15.757	22288.68	1
45007_5007	45007	5007	6.763	66.518	-0.103	-18.223	15.757	-22288.7	1
45007_5008	45007	5008	-6.763	-31.133	0.103	18.223	-14.511	22881.15	1
45008_5008	45008	5008	6.769	-15.612	0.614	18.057	14.511	-22881.4	1
45008_5009	45008	5009	-6.769	51.022	-0.614	-18.057	-21.969	22476.81	1
45009_5009	45009	5009	6.77	-51.022	0.603	-18.687	21.969	-22476.8	1
45009_5010	45009	5010	-6.77	86.425	-0.603	18.687	-29.291	21642.47	1
45010_5010	45010	5010	6.767	-133.207	-0.092	-0.598	29.291	-21642.9	1
45010_5011	45010	5011	-6.767	168.602	0.092	0.598	-28.18	19811.18	1
45011_5011	45011	5011	6.767	-168.602	-0.092	-0.598	28.18	-19811.2	1
45011_5012	45011	5012	-6.767	203.998	0.092	0.598	-27.069	17549.85	1
45012_5012	45012	5012	6.769	-249.058	0.21	4.341	27.069	-17550.2	1
45012_5013	45012	5013	-6.769	284.472	-0.21	-4.341	-29.624	14310.43	1
45013_5013	45013	5013	6.769	-284.472	0.206	-5.983	29.624	-14310.4	1
45013_5014	45013	5014	-6.769	319.854	-0.206	5.983	-32.117	10644.17	1
45014_5014	45014	5014	6.772	-367.097	0.583	1.423	32.117	-10644.3	1
45014_5015	45014	5015	-6.772	414.187	-0.583	-1.423	-41.534	4335.936	1
45015_5015	45015	5015	11.476	-414.084	0.578	-2.529	41.508	-4331.74	1
45015_5016	45015	5016	-11.731	436.574	-0.578	2.529	-46.282	820.559	1
45016_5016	45016	5016	23.451	-478.453	-0.288	-1.705	55.351	-1561.13	1
45016_5017	45016	5017	-24.504	510.539	0.288	1.705	-51.965	-4249.56	1.06
45017_5017	45017	5017	38.782	-509.654	-0.295	0.683	52.131	4249.555	1.06
45017_5018	45017	5018	-41.149	548.547	0.295	-0.683	-48.208	-11278.7	1.02
45018_5018	45018	5018	60.485	-590.431	-0.022	-8.823	47.481	11278.63	1.02
45018_5019	45018	5019	-63.917	628.877	0.022	8.823	-47.2	-18919.1	1.01
45019_5019	45019	5019	81.168	-626.884	-0.03	8.14	49.076	18919.12	1.01
45019_5020	45019	5020	-85.963	667.853	0.03	-8.14	-48.699	-27066.9	1
45020_5020	45020	5020	-2503.3	210.831	-15.092	-1.825	373.738	5846.029	1
45020_5021	45020	5021	2503.303	-184.269	15.092	1.825	-230.42	-3970.09	1
45021_5021	45021	5021	-2503.31	184.269	-14.695	-1.195	230.42	3970.092	1
45021_5022	45021	5022	2503.306	-164.683	14.695	1.195	-116.453	-2616.92	1
45022_5022	45022	5022	-2503.32	164.683	-11.831	1.799	116.453	2616.922	1
45022_5023	45022	5023	2503.321	-145.126	11.831	-1.799	-24.823	-1417.25	1
45023_5023	45023	5023	-2503.35	100.876	-6.172	0.159	24.823	1417.244	1
45023_5024	45023	5024	2503.346	-80.663	6.172	-0.159	24.582	-690.705	1
45024_5024	45024	5024	-2503.34	80.663	-9.615	-0.791	-24.582	690.704	1
45024_5025	45024	5025	2503.335	-60.473	9.615	0.791	101.456	-126.491	1
45025_5025	45025	5025	-2503.35	60.473	-3.062	-0.46	-101.456	126.493	1
45025_5026	45025	5026	2503.351	-40.262	3.062	0.46	125.959	276.606	1
45026_5026	45026	5026	-2503.36	-7.076	-2.439	-0.48	-125.959	-276.606	1
45026_5027	45026	5027	2503.355	22.233	2.439	0.48	140.597	188.649	1
45027_5027	45027	5027	-2503.35	-22.233	-2.87	-0.448	-140.597	-188.649	1
45027_5028	45027	5028	2503.354	37.365	2.87	0.448	157.797	10.089	1
45028_5028	45028	5028	-2503.36	-37.365	-2.439	-0.45	-157.797	-10.089	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
45028_5029	45028	5029	2503.355	52.522	2.439	0.45	172.435	-259.667	1
45029_5029	45029	5029	-2503.36	-52.522	1.71	-0.019	-172.435	259.668	1
45029_5030	45029	5030	2503.355	67.677	-1.71	0.019	162.171	-620.329	1
45030_5030	45030	5030	-2503.37	-114.709	1.127	-1.663	-162.171	620.302	1
45030_5031	45030	5031	2503.365	134.915	-1.127	1.663	153.153	-1618.94	1
45031_5031	45031	5031	-2503.36	-134.915	4.24	0.351	-153.153	1618.936	1
45031_5032	45031	5032	2503.362	155.117	-4.24	-0.351	119.232	-2779.08	1
45032_5032	45032	5032	-2503.36	-155.117	4.24	0.351	-119.232	2779.078	1
45032_5033	45032	5033	2503.362	175.32	-4.24	-0.351	85.31	-4100.84	1
45033_5033	45033	5033	-2503.32	-220.325	12.244	-2.702	-85.31	4100.95	1
45033_5034	45033	5034	2503.315	239.89	-12.244	2.702	-9.547	-5883.68	1
45034_5034	45034	5034	-2503.32	-239.89	12.244	-2.702	9.547	5883.679	1
45034_5035	45034	5035	2503.315	259.454	-12.244	2.702	-104.405	-7817.98	1
45035_5035	45035	5035	-2503.3	-259.454	14.754	5.137	104.405	7817.98	1
45035_5036	45035	5036	2503.302	285.957	-14.754	-5.137	-244.194	-10401.8	1.02
45036_5036	45036	5036	102.839	554.772	0.763	-30.588	0.168	33012.78	1.02
45036_5037	45036	5037	-98.044	-513.727	-0.763	30.588	-9.797	-26276.8	1.02
45037_5037	45037	5037	83.937	516.22	0.679	27.605	3.746	26276.84	1.02
45037_5038	45037	5038	-80.505	-477.714	-0.679	-27.605	-12.272	-20039.5	1.02
45038_5038	45038	5038	64.73	441.222	-0.256	-5.108	15.013	20040.22	1.02
45038_5039	45038	5039	-62.363	-402.375	0.256	5.108	-11.621	-14443.6	1.03
45039_5039	45039	5039	68.517	321.616	-0.45	2.239	13.465	2983.264	1.03
45039_5040	45039	5040	-67.476	-289.871	0.45	-2.239	-8.18	610.508	1.04
45040_5040	45040	5040	60.784	249.393	0.011	1.323	8.234	-610.488	1.04
45040_5041	45040	5041	-60.534	-227.372	-0.011	-1.323	-8.327	2575.818	1.06
45041_5041	45041	5041	57.944	228.045	-0.028	-0.496	8.342	-2575.82	1.06
45041_5042	45041	5042	-57.944	-190.412	0.028	0.496	-7.908	5865.782	1
45042_5042	45042	5042	57.946	145.641	0.078	-0.015	7.908	-5865.86	1
45042_5043	45042	5043	-57.946	-117.098	-0.078	0.015	-8.842	7432.615	1
45043_5043	45043	5043	57.946	117.098	0.078	-0.015	8.842	-7432.62	1
45043_5044	45043	5044	-57.946	-88.554	-0.078	0.015	-9.776	8658.946	1
45044_5044	45044	5044	57.946	43.594	-0.071	-0.358	9.776	-8659.09	1
45044_5045	45044	5045	-57.946	-15.032	0.071	0.358	-8.934	9008.899	1
45045_5045	45045	5045	57.946	15.032	-0.066	0.288	8.934	-9008.9	1
45045_5046	45045	5046	-57.946	13.505	0.066	-0.288	-8.142	9018.003	1
45046_5046	45046	5046	57.947	-58.679	0.167	6.489	8.142	-9018.12	1
45046_5047	45046	5047	-57.947	87.236	-0.167	-6.489	-10.134	8147.596	1
45047_5047	45047	5047	57.948	-87.236	0.074	-6.56	10.134	-8147.6	1
45047_5048	45047	5048	-57.948	115.766	-0.074	6.56	-11.017	6937.667	1
45048_5048	45048	5048	57.947	-160.33	-0.148	4.023	11.017	-6937.75	1
45048_5049	45048	5049	-57.947	188.882	0.148	-4.023	-9.253	4854.792	1
45049_5049	45049	5049	57.946	-188.882	-0.245	-4.09	9.253	-4854.79	1
45049_5050	45049	5050	-57.946	217.429	0.245	4.09	-6.334	2431.576	1
45050_5050	45050	5050	57.95	-262.21	0.378	-0.765	6.334	-2431.6	1
45050_5051	45050	5051	-57.95	299.807	-0.378	0.765	-12.274	-1982.77	1.13
45051_5051	45051	5051	61.352	-299.13	0.296	1.89	12.296	1982.766	1.13
45051_5052	45051	5052	-61.583	319.488	-0.296	-1.89	-14.743	-4536.17	1.06
45052_5052	45052	5052	69.816	-360.585	-0.037	-6.308	14.521	4536.126	1.06
45052_5053	45052	5053	-70.776	389.836	0.037	6.308	-14.092	-8944.73	1.03
45053_5053	45053	5053	84.254	-393.289	-0.147	10.32	23.124	9428.828	1.03
45053_5054	45053	5054	-86.549	430.836	0.147	-10.32	-21.168	-14896	1.03
45054_5054	45054	5054	102.267	-469.214	-0.209	-16.07	19.144	14895.82	1.03
45054_5055	45054	5055	-105.584	506.34	0.209	16.07	-16.523	-21017.5	1.01
45055_5055	45055	5055	119.53	-503.23	-0.305	16.778	19.978	21017.54	1.01

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
45055_5056	45055	5056	-124.148	542.609	0.305	-16.778	-16.143	-27597.8	1
45056_5056	45056	5056	-2259.35	247.97	-10.616	-0.124	232.612	7969.358	1
45056_5057	45056	5057	2259.352	-222.238	10.616	0.124	-131.829	-5737.36	1
45057_5057	45057	5057	-2259.35	222.238	-11.519	-2.197	131.829	5694.24	1
45057_5058	45057	5058	2259.347	-201.694	11.519	2.197	-42.564	-4051.6	1
45058_5058	45058	5058	-2259.36	201.694	-8.61	3.019	42.564	4051.601	1
45058_5059	45058	5059	2259.36	-181.152	8.61	-3.019	24.155	-2568.3	1
45059_5059	45059	5059	-2259.36	138.826	-8.568	-2.339	-24.155	2568.301	1
45059_5060	45059	5060	2259.358	-117.592	8.568	2.339	92.781	-1541.4	1
45060_5060	45060	5060	-2259.37	117.592	-3.13	1.372	-92.781	1541.4	1
45060_5061	45060	5061	2259.372	-96.389	3.13	-1.372	117.813	-685.664	1
45061_5061	45061	5061	-2259.37	96.389	-3.13	1.372	-117.813	685.664	1
45061_5062	45061	5062	2259.372	-75.185	3.13	-1.372	142.845	0.481	1
45062_5062	45062	5062	-2259.38	30.455	-1.653	0.317	-142.845	-0.429	1
45062_5063	45062	5063	2259.378	-14.54	1.653	-0.317	152.769	135.488	1
45063_5063	45063	5063	-2259.38	14.54	-1.904	0.332	-152.769	-135.488	1
45063_5064	45063	5064	2259.378	1.349	1.904	-0.332	164.182	175.018	1
45064_5064	45064	5064	-2259.38	-1.349	2.102	0.022	-164.182	-175.019	1
45064_5065	45064	5065	2259.378	17.262	-2.102	-0.022	151.562	119.163	1
45065_5065	45065	5065	-2259.38	-17.262	2.102	0.022	-151.562	-119.163	1
45065_5066	45065	5066	2259.378	33.175	-2.102	-0.022	138.941	-32.215	1
45066_5066	45066	5066	-2259.38	-77.901	4.113	-0.51	-138.941	32.336	1
45066_5067	45066	5067	2259.382	99.099	-4.113	0.51	106.05	-740.005	1
45067_5067	45067	5067	-2259.38	-99.099	4.113	-0.51	-106.05	740.005	1
45067_5068	45067	5068	2259.382	120.297	-4.113	0.51	73.158	-1617.18	1
45068_5068	45068	5068	-2259.38	-120.297	7.11	1.635	-73.158	1617.179	1
45068_5069	45068	5069	2259.375	141.52	-7.11	-1.635	16.239	-2665.19	1
45069_5069	45069	5069	-2259.36	-183.566	9.082	-5.22	-16.239	2665.29	1
45069_5070	45069	5070	2259.357	204.098	-9.082	5.22	-54.102	-4166.5	1
45070_5070	45070	5070	-2259.34	-204.098	12.171	0.476	54.102	4166.499	1
45070_5071	45070	5071	2259.343	224.654	-12.171	-0.476	-148.478	-5828.83	1
45071_5071	45071	5071	-2259.34	-224.654	13.515	4.201	148.478	5871.941	1
45071_5072	45071	5072	2259.335	250.396	-13.515	-4.201	-276.828	-8127.75	1
45072_5072	45072	5072	122.798	536.236	0.142	-16.66	15.494	27790.91	1
45072_5073	45072	5073	-118.18	-496.861	-0.142	16.66	-17.28	-21291.5	1
45073_5073	45073	5073	104.418	499.934	0.047	16.739	13.786	21291.49	1
45073_5074	45073	5074	-101.101	-462.82	-0.047	-16.739	-14.374	-15252	1
45074_5074	45074	5074	85.878	429.804	0.61	-0.786	15.884	15252.45	1
45074_5075	45074	5075	-83.583	-392.246	-0.61	0.786	-23.986	-9797.37	1
45075_5075	45075	5075	65.15	312.892	-0.209	-1.797	12.508	-2575.78	1
45075_5076	45075	5076	-64.222	-284.59	0.209	1.797	-10.048	6086.656	1
45076_5076	45076	5076	57.682	248.302	-0.052	5.542	9.921	-6086.79	1
45076_5077	45076	5077	-57.459	-228.622	0.052	-5.542	-9.492	8054.708	1
45077_5077	45077	5077	54.858	229.26	-0.12	-4.566	9.554	-8070.67	1
45077_5078	45077	5078	-54.858	-193.201	0.12	4.566	-7.845	11082.87	1
45078_5078	45078	5078	54.859	153.915	0.024	11.501	7.845	-11083	1
45078_5079	45078	5079	-54.859	-125.556	-0.024	-11.501	-8.115	12650.18	1
45079_5079	45079	5079	54.859	125.556	-0.074	-11.03	8.115	-12650.2	1
45079_5080	45079	5080	-54.859	-97.201	0.074	11.03	-7.288	13899.18	1
45080_5080	45080	5080	54.86	58.004	0.098	13.029	7.288	-13899.3	1
45080_5081	45080	5081	-54.86	-29.648	-0.098	-13.029	-8.392	14390.78	1
45081_5081	45081	5081	54.86	29.648	0.001	-12.607	8.392	-14390.8	1
45081_5082	45081	5082	-54.86	-1.295	-0.001	12.607	-8.399	14564.26	1
45082_5082	45082	5082	54.86	-39.211	-0.068	0.34	8.399	-14564.6	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
45082_5083	45082	5083	-54.86	69.663	0.068	-0.34	-7.576	13908.97	1
45083_5083	45083	5083	54.86	-69.663	-0.07	-0.196	7.576	-13909	1
45083_5084	45083	5084	-54.86	100.14	0.07	0.196	-6.728	12885.65	1
45084_5084	45084	5084	54.86	-140.928	-0.066	9.896	6.728	-12885.9	1
45084_5085	45084	5085	-54.86	169.277	0.066	-9.896	-5.991	11146.97	1
45085_5085	45085	5085	54.86	-169.277	-0.163	-9.971	5.991	-11147	1
45085_5086	45085	5086	-54.86	197.623	0.163	9.971	-4.158	9090.447	1
45086_5086	45086	5086	54.861	-236.266	0.016	5.669	4.158	-9090.5	1
45086_5087	45086	5087	-54.861	264.613	-0.016	-5.669	-4.335	6282.998	1
45087_5087	45087	5087	54.861	-264.613	-0.084	-5.76	4.335	-6283	1
45087_5088	45087	5088	-54.861	292.982	0.084	5.76	-3.392	3155.048	1
45088_5088	45088	5088	54.863	-331.622	0.223	-1.052	3.392	-3155.11	1
45088_5089	45088	5089	-54.863	366.317	-0.223	1.052	-6.449	-1633.11	1
45089_5089	45089	5089	59.024	-365.67	0.153	0.92	6.46	1649.07	1
45089_5090	45089	5090	-59.26	386.456	-0.153	-0.92	-7.719	-4750.31	1.03
45090_5090	45090	5090	68.808	-424.122	-0.207	-11.087	7.348	4750.24	1.03
45090_5091	45090	5091	-69.789	454.024	0.207	11.087	-4.912	-9911.07	1.02
45091_5091	45091	5091	85.333	-456.86	-0.345	9.332	11.019	10306.46	1.02
45091_5092	45091	5092	-87.583	493.789	0.345	-9.332	-6.443	-16613.9	1.01
45092_5092	45092	5092	105.032	-531.725	-0.312	-9.663	5.024	16613.77	1.01
45092_5093	45092	5093	-108.288	568.245	0.312	9.663	-1.108	-23512.6	1.01
45093_5093	45093	5093	123.891	-565.048	-0.36	9.628	3.102	23512.59	1.01
45093_5094	45093	5094	-128.432	603.854	0.36	-9.628	1.426	-30869.7	1.01
45094_5094	45094	5094	-2450.32	226.151	-6.912	-3.427	91.642	8357.771	1.01
45094_5095	45094	5095	2450.32	-200.86	6.912	3.427	-26.009	-6330.52	1
45095_5095	45095	5095	-2450.32	200.86	-5.914	-0.848	26.009	6330.524	1
45095_5096	45095	5096	2450.322	-180.8	5.914	0.848	19.847	-4850.82	1
45096_5096	45096	5096	-2450.33	180.8	-2.853	5.211	-19.847	4850.82	1
45096_5097	45096	5097	2450.328	-160.766	2.853	-5.211	41.942	-3528.33	1
45097_5097	45097	5097	-2450.34	120.139	0.1	-0.948	-41.942	3528.294	1
45097_5098	45097	5098	2450.344	-99.433	-0.1	0.948	41.14	-2649.61	1
45098_5098	45098	5098	-2450.34	99.433	0.1	-0.948	-41.14	2649.608	1
45098_5099	45098	5099	2450.344	-78.727	-0.1	0.948	40.338	-1936.65	1
45099_5099	45099	5099	-2450.34	78.727	3.072	1.401	-40.338	1936.646	1
45099_5100	45099	5100	2450.342	-58.047	-3.072	-1.401	15.78	-1390.01	1
45100_5100	45100	5100	-2450.34	14.679	3.579	2.207	-15.78	1390.004	1
45100_5101	45100	5101	2450.343	0.85	-3.579	-2.207	-5.703	-1348.5	1
45101_5101	45101	5101	-2450.33	-0.85	7.66	4.453	5.703	1348.492	1
45101_5102	45101	5102	2450.334	16.378	-7.66	-4.453	-51.678	-1400.19	1
45102_5102	45102	5102	-2450.33	-16.378	-8.661	-4.874	51.678	1400.191	1
45102_5103	45102	5103	2450.331	31.909	8.661	4.874	0.317	-1545.13	1
45103_5103	45103	5103	-2450.34	-31.909	-4.711	-2.383	-0.317	1545.137	1
45103_5104	45103	5104	2450.341	47.414	4.711	2.383	28.549	-1782.83	1
45104_5104	45104	5104	-2450.34	-90.955	-3.121	-2.239	-28.549	1782.834	1
45104_5105	45104	5105	2450.343	111.662	3.121	2.239	53.529	-2593.7	1
45105_5105	45105	5105	-2450.35	-111.662	-0.153	0.903	-53.529	2593.699	1
45105_5106	45105	5106	2450.345	132.342	0.153	-0.903	54.75	-3568.94	1
45106_5106	45106	5106	-2450.35	-132.342	-0.061	1.037	-54.75	3568.937	1
45106_5107	45106	5107	2450.345	153.049	0.061	-1.037	55.237	-4711.02	1
45107_5107	45107	5107	-2450.34	-193.832	4.21	-3.415	-55.237	4711.077	1
45107_5108	45107	5108	2450.337	213.89	-4.21	3.415	22.601	-6291.64	1
45108_5108	45108	5108	-2450.34	-213.89	4.12	-3.646	-22.601	6291.635	1
45108_5109	45108	5109	2450.337	233.922	-4.12	3.646	-9.299	-8025.37	1
45109_5109	45109	5109	-2450.33	-233.922	6.704	4.817	9.299	8025.369	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
45109_5110	45109	5110	2450.332	259.236	-6.704	-4.817	-73.008	-10368.7	1.01
45110_5110	45110	5110	123.129	560.593	0.016	-21.206	6.141	33259.57	1.01
45110_5111	45110	5111	-118.589	-521.797	-0.016	21.206	-6.34	-26448.8	1.01
45111_5111	45111	5111	104.178	524.864	-0.074	20.228	2.042	26448.78	1.01
45111_5112	45111	5112	-100.921	-488.356	0.074	-20.228	-1.108	-20096.2	1.02
45112_5112	45112	5112	85.087	457.254	0.122	-3.431	3.116	20096.61	1.02
45112_5113	45112	5113	-82.836	-420.31	-0.122	3.431	-4.73	-14272	1.03
45113_5113	45113	5113	60.941	339.521	-0.209	1.327	14.621	1832.036	1.03
45113_5114	45113	5114	-59.97	-309.908	0.209	-1.327	-12.167	1985.892	1.05
45114_5114	45114	5114	52.903	274.112	-0.151	1.112	12.192	-1985.93	1.05
45114_5115	45114	5115	-52.669	-253.547	0.151	-1.112	-10.946	4160.429	1.1
45115_5115	45115	5115	49.782	254.129	-0.164	-0.166	10.958	-4174.74	1.1
45115_5116	45115	5116	-49.782	-220.595	0.164	0.166	-8.617	7555.483	1
45116_5116	45116	5116	49.782	182.7	-0.106	4.303	8.617	-7555.49	1
45116_5117	45116	5117	-49.782	-156.303	0.106	-4.303	-7.425	9455.932	1
45117_5117	45117	5117	49.781	156.303	-0.151	-4.13	7.425	-9455.93	1
45117_5118	45117	5118	-49.781	-129.905	0.151	4.13	-5.736	11060.38	1
45118_5118	45118	5118	49.781	91.658	-0.089	5.32	5.736	-11060.4	1
45118_5119	45118	5119	-49.781	-65.261	0.089	-5.32	-4.737	11940.04	1
45119_5119	45119	5119	49.781	65.261	-0.133	-5.329	4.737	-11940	1
45119_5120	45119	5120	-49.781	-38.865	0.133	5.329	-3.241	12523.74	1
45120_5120	45120	5120	49.781	-0.562	-0.093	15.263	3.241	-12523.7	1
45120_5121	45120	5121	-49.781	28.936	0.093	-15.263	-2.115	12345.98	1
45121_5121	45121	5121	49.781	-28.936	-0.217	-15.34	2.115	-12346	1
45121_5122	45121	5122	-49.781	57.286	0.217	15.34	0.495	11826.88	1
45122_5122	45122	5122	49.781	-96.288	-0.141	4.623	-0.495	-11826.9	1
45122_5123	45122	5123	-49.781	122.683	0.141	-4.623	2.081	10599.47	1
45123_5123	45123	5123	49.781	-122.683	-0.186	-4.831	-2.081	-10599.5	1
45123_5124	45123	5124	-49.781	149.077	0.186	4.831	4.165	9076.173	1
45124_5124	45124	5124	49.78	-186.587	0.019	5.956	-4.165	-9076.11	1
45124_5125	45124	5125	-49.78	212.982	-0.019	-5.956	3.951	6836.415	1
45125_5125	45125	5125	49.78	-212.982	-0.07	-6.24	-3.951	-6836.42	1
45125_5126	45125	5126	-49.78	239.375	0.07	6.24	4.732	4300.872	1
45126_5126	45126	5126	49.78	-275.924	-0.493	-0.12	-4.732	-4300.84	1
45126_5127	45126	5127	-49.78	308.11	0.493	0.12	11.471	308.86	1.06
45127_5127	45127	5127	53.277	-307.525	-0.555	-0.217	-11.474	-294.548	1.06
45127_5128	45127	5128	-53.492	326.429	0.555	0.217	16.057	-2320.67	1.06
45128_5128	45128	5128	61.606	-359.932	1.287	-5.028	-16.227	2320.624	1.06
45128_5129	45128	5129	-62.498	387.142	-1.287	5.028	1.102	-6711.65	1.06
45129_5129	45129	5129	80.198	-390.121	1.07	9.076	-4.525	7219.291	1.06
45129_5130	45129	5130	-82.377	425.892	-1.07	-9.076	-9.682	-12633.8	1.03
45130_5130	45130	5130	97.633	-460.875	-3.368	-7.88	8.446	12633.72	1.03
45130_5131	45130	5131	-100.792	496.304	3.368	7.88	33.823	-18637.8	1.03
45131_5131	45131	5131	114.456	-493.332	-3.413	7.866	-32.294	18637.8	1.03
45131_5132	45131	5132	-118.868	531.017	3.413	-7.866	75.25	-25081	1.03
45132_5132	45132	5132	-2151.98	217.191	23.276	9.678	-285.561	6392.234	1.03
45132_5133	45132	5133	2151.981	-192.72	-23.276	-9.678	64.441	-4445.16	1
45133_5133	45133	5133	-2151.95	192.72	26.052	15.413	-64.441	4445.14	1
45133_5134	45133	5134	2151.949	-174.47	-26.052	-15.413	-137.465	-3022.28	1
45134_5134	45134	5134	-2152.11	174.47	-1.683	-23.537	137.465	3022.225	1
45134_5135	45134	5135	2152.106	-156.194	1.683	23.537	-124.407	-1739.16	1
45135_5135	45135	5135	-2152.09	109.069	-3.444	-0.784	124.407	1739.529	1
45135_5136	45135	5136	2152.085	-90.228	3.444	0.784	-96.853	-942.292	1
45136_5136	45136	5136	-2152.09	90.228	-0.754	0.393	96.853	942.292	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
45136_5137	45136	5137	2152.087	-71.388	0.754	-0.393	-90.82	-295.796	1
45137_5137	45137	5137	-2152.08	71.388	-3.474	0.02	90.82	295.796	1
45137_5138	45137	5138	2152.084	-52.571	3.474	-0.02	-63.059	199.45	1
45138_5138	45138	5138	-2152.09	6.779	-3.41	0.033	63.059	-199.568	1
45138_5139	45138	5139	2152.089	7.352	3.41	-0.033	-42.597	197.849	1
45139_5139	45139	5139	-2152.09	-7.352	0.176	-0.297	42.597	-197.849	1
45139_5140	45139	5140	2152.091	21.482	-0.176	0.297	-43.655	111.343	1
45140_5140	45140	5140	-2152.09	-21.482	-3.41	-0.111	43.655	-111.343	1
45140_5141	45140	5141	2152.089	35.612	3.41	0.111	-23.194	-59.952	1
45141_5141	45141	5141	-2152.09	-35.612	0.176	-0.011	23.194	59.952	1
45141_5142	45141	5142	2152.091	49.743	-0.176	0.011	-24.252	-316.03	1
45142_5142	45142	5142	-2152.09	-49.743	-2.262	-0.1	24.252	315.925	1
45142_5143	45142	5143	2152.092	113.368	2.262	0.1	-6.153	-1147.56	1
45143_5143	45143	5143	-2152.09	-113.368	-2.262	-0.1	6.153	1147.562	1
45143_5144	45143	5144	2152.092	132.209	2.262	0.1	11.945	-2129.93	1
45144_5144	45144	5144	-2152.09	-132.209	-2.262	-0.1	-11.945	2129.933	1
45144_5145	45144	5145	2152.092	151.049	2.262	0.1	30.044	-3263.04	1
45145_5145	45145	5145	-2152.09	-192.569	-0.918	2.266	-30.044	3262.945	1
45145_5146	45145	5146	2152.093	210.821	0.918	-2.266	37.157	-4826.16	1
45146_5146	45146	5146	-2152.09	-210.821	-0.918	2.266	-37.157	4826.162	1
45146_5147	45146	5147	2152.093	229.072	0.918	-2.266	44.27	-6530.84	1
45147_5147	45147	5147	-2152.09	-229.072	-3.621	-5.938	-44.27	6530.835	1
45147_5148	45147	5148	2152.091	253.544	3.621	5.938	78.674	-8823.42	1
45148_5148	45148	5148	108.936	487.559	-0.004	-9.394	-9.1	28105.45	1
45148_5149	45148	5149	-104.523	-449.871	0.004	9.394	9.148	-22208.8	1
45149_5149	45149	5149	92.062	452.586	-0.045	8.557	-10.981	22208.82	1
45149_5150	45149	5150	-88.903	-417.155	0.045	-8.557	11.546	-16753.1	1
45150_5150	45150	5150	75.342	389.704	0.107	-0.743	-10.715	16753.18	1
45150_5151	45150	5151	-73.162	-353.931	-0.107	0.743	9.293	-11818.8	1
45151_5151	45151	5151	64.498	263.116	0.018	0.045	-7.247	-193.741	1
45151_5152	45151	5152	-63.581	-235.161	-0.018	-0.045	7.03	3122.423	1
45152_5152	45152	5152	58.114	200.152	0.112	-0.063	-7.025	-3122.42	1
45152_5153	45152	5153	-57.894	-180.726	-0.112	0.063	6.104	4693.683	1
45153_5153	45153	5153	55.836	181.372	0.112	0.044	-6.104	-4693.68	1
45153_5154	45153	5154	-55.836	-150.02	-0.112	-0.044	4.564	6970.484	1
45154_5154	45154	5154	55.837	110.665	0.108	0.021	-4.564	-6970.48	1
45154_5155	45154	5155	-55.837	-85.565	-0.108	-0.021	3.375	8049.813	1
45155_5155	45155	5155	55.837	85.565	0.108	0.021	-3.375	-8049.81	1
45155_5156	45155	5156	-55.837	-60.465	-0.108	-0.021	2.187	8853.026	1
45156_5156	45156	5156	55.837	20.961	0.06	-0.019	-2.187	-8853.03	1
45156_5157	45156	5157	-55.837	1.88	-0.06	0.019	1.59	8948.535	1
45157_5157	45157	5157	55.837	-1.88	0.06	0.079	-1.59	-8948.54	1
45157_5158	45157	5158	-55.837	24.699	-0.06	-0.079	0.987	8815.632	1
45158_5158	45158	5158	55.836	-62.253	0.092	-4.019	-0.987	-8815.56	1
45158_5159	45158	5159	-55.836	85.093	-0.092	4.019	0.071	8078.055	1
45159_5159	45159	5159	55.836	-85.093	0.147	4.05	-0.071	-8078.06	1
45159_5160	45159	5160	-55.836	107.935	-0.147	-4.05	-1.404	7111.892	1
45160_5160	45160	5160	55.837	-147.819	0.092	0.023	1.404	-7111.93	1
45160_5161	45160	5161	-55.837	172.919	-0.092	-0.023	-2.411	5347.77	1
45161_5161	45161	5161	55.837	-172.919	0.092	0.023	2.411	-5347.77	1
45161_5162	45161	5162	-55.837	198.019	-0.092	-0.023	-3.419	3307.494	1
45162_5162	45162	5162	55.838	-237.869	-0.039	-0.018	3.419	-3307.5	1
45162_5163	45162	5163	-55.838	269.222	0.039	0.018	-2.882	-176.457	1.01
45163_5163	45163	5163	58.893	-268.57	-0.08	0.079	2.884	176.457	1.01

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
45163_5164	45163	5164	-59.114	287.996	0.08	-0.079	-2.223	-2472.52	1.01
45164_5164	45164	5164	66.504	-324.346	0.135	2.894	2.318	2472.533	1.01
45164_5165	45164	5165	-67.421	352.3	-0.135	-2.894	-3.902	-6449.73	1.01
45165_5165	45165	5165	79.558	-357.56	0.312	-4.396	3.148	7103.979	1.01
45165_5166	45165	5166	-81.766	393.8	-0.312	4.396	-7.286	-12089.6	1.01
45166_5166	45166	5166	96.262	-430.282	0.214	-6.694	6.973	12089.66	1.01
45166_5167	45166	5167	-99.46	466.154	-0.214	6.694	-9.665	-17712.9	1.01
45167_5167	45167	5167	112.295	-463.23	0.168	7.114	11.124	17712.92	1.01
45167_5168	45167	5168	-116.759	501.358	-0.168	-7.114	-13.243	-23780.4	1
45168_5168	45168	5168	-2082.21	235.147	-1.42	-2.497	11.518	6554.117	1
45168_5169	45168	5169	2082.213	-210.34	1.42	2.497	1.975	-4437.91	1
45169_5169	45169	5169	-2082.21	210.34	1.168	3.019	-1.975	4437.912	1
45169_5170	45169	5170	2082.213	-191.609	-1.168	-3.019	-7.065	-2882.28	1
45170_5170	45170	5170	-2082.21	191.609	-1.491	-0.661	7.065	2882.286	1
45170_5171	45170	5171	2082.212	-172.854	1.491	0.661	4.49	-1469.9	1
45171_5171	45171	5171	-2082.21	127.098	1.668	0.425	-4.49	1469.77	1
45171_5172	45171	5172	2082.213	-107.738	-1.668	-0.425	-8.854	-530.378	1
45172_5172	45172	5172	-2082.21	107.738	-0.935	-0.238	8.854	530.378	1
45172_5173	45172	5173	2082.213	-88.378	0.935	0.238	-1.377	254.135	1
45173_5173	45173	5173	-2082.21	88.378	-0.935	-0.238	1.377	-254.135	1
45173_5174	45173	5174	2082.213	-69.017	0.935	0.238	6.1	883.756	1
45174_5174	45174	5174	-2082.22	20.864	1.969	-0.788	-6.1	-883.877	1
45174_5175	45174	5175	2082.215	-6.344	-1.969	0.788	-5.715	965.504	1
45175_5175	45175	5175	-2082.22	6.344	-1.501	0.821	5.715	-965.504	1
45175_5176	45175	5176	2082.216	8.177	1.501	-0.821	3.291	960.005	1
45176_5176	45176	5176	-2082.22	-8.177	1.969	-0.779	-3.291	-960.005	1
45176_5177	45176	5177	2082.215	22.697	-1.969	0.779	-8.525	867.38	1
45177_5177	45177	5177	-2082.22	-22.697	-1.501	0.667	8.525	-867.38	1
45177_5178	45177	5178	2082.216	37.217	1.501	-0.667	0.481	687.627	1
45178_5178	45178	5178	-2082.22	-85.282	-0.523	-0.434	-0.481	-687.764	1
45178_5179	45178	5179	2082.216	104.642	0.523	0.434	4.662	-71.978	1
45179_5179	45179	5179	-2082.22	-104.642	-0.523	-0.434	-4.662	71.978	1
45179_5180	45179	5180	2082.216	124.002	0.523	0.434	8.843	-986.613	1
45180_5180	45180	5180	-2082.22	-124.002	2.08	0.799	-8.843	986.613	1
45180_5181	45180	5181	2082.215	143.362	-2.08	-0.799	-7.797	-2056.12	1
45181_5181	45181	5181	-2082.21	-188.431	-1.649	-0.951	7.797	2056.141	1
45181_5182	45181	5182	2082.212	207.186	1.649	0.951	4.987	-3589.26	1
45182_5182	45182	5182	-2082.21	-207.186	1.037	3.679	-4.987	3589.256	1
45182_5183	45182	5183	2082.212	225.941	-1.037	-3.679	-3.05	-5267.71	1
45183_5183	45183	5183	-2082.21	-225.941	-1.579	-2.938	3.05	5267.713	1
45183_5184	45183	5184	2082.212	250.748	1.579	2.938	11.949	-7532.14	1.02
45184_5184	45184	5184	129.427	488.241	-0.051	7.662	-10.523	25086.77	1.02
45184_5185	45184	5185	-124.963	-450.113	0.051	-7.662	11.164	-19184.4	1.03
45185_5185	45185	5185	112.486	453.392	0.006	-7.318	-9.585	19184.37	1.03
45185_5186	45185	5186	-109.288	-417.521	-0.006	7.318	9.503	-13721.3	1.04
45186_5186	45186	5186	95.418	385.756	-0.392	-0.554	-10.101	13721.3	1.04
45186_5187	45186	5187	-93.21	-349.517	0.392	0.554	15.305	-8842.47	1.08
45187_5187	45187	5187	71.982	256.962	0.125	0.664	-1.257	-3201.85	1.08
45187_5188	45187	5188	-71.024	-227.742	-0.125	-0.664	-0.213	6050.742	1.08
45188_5188	45188	5188	65.685	189.82	-0.102	0.062	0.234	-6050.7	1.08
45188_5189	45188	5189	-65.455	-169.53	0.102	-0.062	0.61	7531.354	1
45189_5189	45189	5189	63.522	170.264	-0.103	-0.015	-0.609	-7521.93	1
45189_5190	45189	5190	-63.522	-136.006	0.103	0.015	2.028	9627.665	1
45190_5190	45190	5190	63.519	92.572	0.19	0.01	-2.028	-9627.67	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
45190_5191	45190	5191	-63.519	-65.166	-0.19	-0.01	-0.067	10495.27	1
45191_5191	45191	5191	63.519	65.166	0.19	0.01	0.067	-10495.3	1
45191_5192	45191	5192	-63.519	-37.759	-0.19	-0.01	-2.162	11061.39	1
45192_5192	45192	5192	63.521	-5.439	-0.072	0.076	2.162	-11061.4	1
45192_5193	45192	5193	-63.521	30.403	0.072	-0.076	-1.441	10881.82	1
45193_5193	45193	5193	63.521	-30.403	-0.073	-0.043	1.441	-10881.8	1
45193_5194	45193	5194	-63.521	55.393	0.073	0.043	-0.713	10451.53	1
45194_5194	45194	5194	63.518	-96.492	0.129	0.004	0.713	-10451.5	1
45194_5195	45194	5195	-63.518	121.482	-0.129	-0.004	-2.002	9358.319	1
45195_5195	45195	5195	63.518	-121.482	0.129	0.004	2.002	-9358.32	1
45195_5196	45195	5196	-63.518	146.471	-0.129	-0.004	-3.291	8014.455	1
45196_5196	45196	5196	63.521	-190.237	-0.013	-0.008	3.291	-8014.45	1
45196_5197	45196	5197	-63.521	217.643	0.013	0.008	-3.151	5770.978	1
45197_5197	45197	5197	63.521	-217.643	-0.013	-0.008	3.151	-5770.98	1
45197_5198	45197	5198	-63.521	245.049	0.013	0.008	-3.011	3226.021	1
45198_5198	45198	5198	63.52	-289.517	0.063	-0.022	3.011	-3226.02	1
45198_5199	45198	5199	-63.52	323.75	-0.063	0.022	-3.875	-987.37	1.03
45199_5199	45199	5199	67.266	-322.992	0.062	-0.041	3.874	969.092	1.03
45199_5200	45199	5200	-67.511	344.148	-0.062	0.041	-4.389	-3721.34	1.03
45200_5200	45200	5200	76.44	-385.49	-0.038	0.843	4.42	3721.303	1.03
45200_5201	45200	5201	-77.456	415.908	0.038	-0.843	-3.97	-8431.98	1.03
45201_5201	45201	5201	92.388	-421.307	0.033	-1.52	8.175	9157.129	1.03
45201_5202	45201	5202	-94.89	461.812	-0.033	1.52	-8.612	-15017.7	1.02
45202_5202	45202	5202	112.049	-504.857	-0.075	8.343	9.477	15017.58	1.02
45202_5203	45202	5203	-115.648	544.753	0.075	-8.343	-8.536	-21602.6	1.01
45203_5203	45203	5203	130.678	-541.344	-0.022	-9.057	6.735	21602.6	1.01
45203_5204	45203	5204	-135.66	583.498	0.022	9.057	-6.458	-28679.5	1.01
45204_5204	45204	5204	-2416.39	257.484	-2.595	2.072	97.349	8100.209	1.01
45204_5205	45204	5205	2416.393	-229.619	2.595	-2.072	-72.691	-5786.34	1
45205_5205	45205	5205	-2416.39	229.619	-5.221	-3.574	72.691	5490.132	1
45205_5206	45205	5206	2416.389	-208.368	5.221	3.574	-32.228	-3792.82	1
45206_5206	45206	5206	-2416.39	208.368	-2.103	1.319	32.228	3792.82	1
45206_5207	45206	5207	2416.393	-187.118	2.103	-1.319	-15.928	-2260.23	1
45207_5207	45207	5207	-2416.4	139.566	-3.74	-0.082	15.928	2260.236	1
45207_5208	45207	5208	2416.402	-117.63	3.74	0.082	13.995	-1231.39	1
45208_5208	45208	5208	-2416.4	117.63	-3.74	-0.082	-13.995	1231.388	1
45208_5209	45208	5209	2416.402	-95.694	3.74	0.082	43.917	-378.041	1
45209_5209	45209	5209	-2416.4	95.694	-3.74	-0.082	-43.917	378.041	1
45209_5210	45209	5210	2416.402	-73.757	3.74	0.082	73.84	299.806	1
45210_5210	45210	5210	-2416.44	24.421	1.191	-0.339	-73.84	-299.817	1
45210_5211	45210	5211	2416.435	-7.97	-1.191	0.339	66.693	396.995	1
45211_5211	45211	5211	-2416.43	7.97	-2.836	0.323	-66.693	-396.995	1
45211_5212	45211	5212	2416.433	8.483	2.836	-0.323	83.708	395.456	1
45212_5212	45212	5212	-2416.44	-8.483	1.191	-0.336	-83.708	-395.456	1
45212_5213	45212	5213	2416.435	24.935	-1.191	0.336	76.561	295.199	1
45213_5213	45213	5213	-2416.43	-24.935	-2.836	0.156	-76.561	-295.199	1
45213_5214	45213	5214	2416.433	41.387	2.836	-0.156	93.577	96.222	1
45214_5214	45214	5214	-2416.5	-90.418	1.642	0.098	-93.577	-96.11	1
45214_5215	45214	5215	2416.501	112.355	-1.642	-0.098	80.444	-715.034	1
45215_5215	45215	5215	-2416.5	-112.355	4.662	0.992	-80.444	715.033	1
45215_5216	45215	5216	2416.497	134.291	-4.662	-0.992	43.148	-1701.66	1
45216_5216	45216	5216	-2416.5	-134.291	1.642	-1.135	-43.148	1701.664	1
45216_5217	45216	5217	2416.501	156.227	-1.642	1.135	30.015	-2863.81	1
45217_5217	45217	5217	-2416.52	-202.827	1.931	-17.451	-30.015	2863.618	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
45217_5218	45217	5218	2416.516	224.051	-1.931	17.451	15.07	-4515.75	1
45218_5218	45218	5218	-2416.51	-224.051	5.085	-11.557	-15.07	4515.768	1
45218_5219	45218	5219	2416.511	245.301	-5.085	11.557	-24.339	-6334.6	1
45219_5219	45219	5219	-2416.44	-245.301	19.854	29.592	24.339	6630.771	1
45219_5220	45219	5220	2416.435	273.165	-19.854	-29.592	-212.949	-9093.51	1
45220_5220	45220	5220	118.021	562.755	0.543	-37.321	-0.85	29889.32	1
45220_5221	45220	5221	-113.039	-520.604	-0.543	37.321	-5.982	-23073.8	1
45221_5221	45221	5221	98.589	523.533	0.379	36.062	-1.687	23073.82	1
45221_5222	45221	5222	-94.99	-483.638	-0.379	-36.062	-3.07	-16755.3	1.01
45222_5222	45222	5222	78.658	443.661	0.542	-2.859	6.486	16755.65	1.01
45222_5223	45222	5223	-76.156	-403.155	-0.542	2.859	-13.685	-11136.1	1.01
45223_5223	45223	5223	65.147	306.818	0.32	-2.08	-5.061	-1461.71	1.01
45223_5224	45223	5224	-64.078	-274.81	-0.32	2.08	1.296	4880.681	1.04
45224_5224	45224	5224	57.518	228.417	0.425	14.548	-1.533	-4881	1.04
45224_5225	45224	5225	-57.26	-206.145	-0.425	-14.548	-1.97	6673.932	1
45225_5225	45225	5225	54.869	206.794	0.214	-11.116	2.139	-6666.29	1
45225_5226	45225	5226	-54.869	-163.608	-0.214	11.116	-5.445	9526.484	1
45226_5226	45226	5226	54.87	110.659	0.683	22.506	5.445	-9526.37	1
45226_5227	45226	5227	-54.87	-77.511	-0.683	-22.506	-13.545	10641.67	1
45227_5227	45227	5227	54.872	77.511	0.452	-22.36	13.545	-10641.7	1
45227_5228	45227	5228	-54.872	-44.359	-0.452	22.36	-18.904	11364.08	1
45228_5228	45228	5228	54.869	-9.616	0.686	23.254	18.904	-11363.1	1
45228_5229	45228	5229	-54.869	42.771	-0.686	-23.254	-27.034	11052.54	1
45229_5229	45229	5229	54.871	-42.771	0.454	-23.324	27.034	-11052.5	1
45229_5230	45229	5230	-54.871	75.931	-0.454	23.324	-32.423	10348.75	1
45230_5230	45230	5230	54.882	-131.446	-0.113	13.772	32.423	-10347	1
45230_5231	45230	5231	-54.882	165.533	0.113	-13.772	-31.051	8536.902	1
45231_5231	45231	5231	54.881	-165.533	-0.292	-14.215	31.051	-8536.9	1
45231_5232	45231	5232	-54.881	199.625	0.292	14.215	-27.486	6310.986	1
45232_5232	45232	5232	54.799	-254.31	2.984	5.921	27.486	-6309.67	1
45232_5233	45232	5233	-54.799	280.01	-2.984	-5.921	-54.907	3854.324	1
45233_5233	45233	5233	57.493	-279.47	2.902	-0.33	54.906	-3854.33	1
45233_5234	45233	5234	-57.682	299.137	-2.902	0.33	-74.899	1861.426	1.03
45234_5234	45234	5234	62.468	-298.175	2.775	-5.849	74.774	-1861.42	1.03
45234_5235	45234	5235	-63.037	320.379	-2.775	5.849	-96.26	-533.172	1.02
45235_5235	45235	5235	69.663	-366.705	-1.874	-6.968	96.177	533.283	1.02
45235_5236	45235	5236	-70.283	382.214	1.874	6.968	-86.112	-2544.68	1.01
45236_5236	45236	5236	63.992	-396.377	-2.425	-1.229	173.301	4250.238	1.01
45236_5237	45236	5237	-65.664	426.464	2.425	1.229	-152.767	-7732.97	1.01
45237_5237	45237	5237	72.664	-425.326	-2.512	12.123	153.87	7732.943	1.01
45237_5238	45237	5238	-74.387	449.222	2.512	-12.123	-137.273	-10622.2	1.01
45238_5238	45238	5238	87.022	-499.256	-1.836	-18.732	134.909	10619.22	1.01
45238_5239	45238	5239	-90.321	535.863	1.836	18.732	-116.777	-15730.8	1
45239_5239	45239	5239	119.879	-530.033	-1.933	11.217	120.886	15730.74	1
45239_5240	45239	5240	-125.906	571.212	1.933	-11.217	-100.21	-21617	1
45240_5240	45240	5240	-2284.1	302.733	-72.874	-5.321	1433.158	6422.535	1
45240_5241	45240	5241	2284.103	-260.231	72.874	5.321	-537.777	-2964.04	1
45241_5241	45241	5241	-2284.38	260.231	-63.468	6.885	537.777	2964.035	1
45241_5242	45241	5242	2284.384	-240.278	63.468	-6.885	-166.213	-1498.95	1
45242_5242	45242	5242	-2284.43	240.278	-61.712	8.037	166.213	1498.944	1
45242_5243	45242	5243	2284.432	-218.616	61.712	-8.037	226.024	-40.591	1
45243_5243	45243	5243	-2287.06	169.716	-11.537	2.916	-226.024	40.296	1
45243_5244	45243	5244	2287.056	-136.225	11.537	-2.916	339.396	1462.854	1
45244_5244	45244	5244	-2287.08	136.225	-3.862	-1.993	-339.396	-1462.86	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
45244_5245	45244	5245	2287.082	-102.863	3.862	1.993	377.203	2633.045	1
45245_5245	45245	5245	-2286.21	61.319	-16.176	5.433	-377.203	-2632.35	1
45245_5246	45245	5246	2286.211	-26.754	16.176	-5.433	541.253	3078.951	1
45246_5246	45246	5246	-2286.25	26.754	-8.43	-4.998	-541.253	-3078.95	1
45246_5247	45246	5247	2286.252	5.564	8.43	4.998	621.189	3179.416	1
45247_5247	45247	5247	-2286.1	-49.762	-6.05	4.372	-621.189	-3178.63	1
45247_5248	45247	5248	2286.096	81.437	6.05	-4.372	677.411	2568.977	1
45248_5248	45248	5248	-2286.1	-81.437	1.035	-3.589	-677.411	-2568.98	1
45248_5249	45248	5249	2286.104	116.644	-1.035	3.589	666.723	1545.874	1
45249_5249	45249	5249	-2287.24	-156.623	38.015	0.545	-666.723	-1545.54	1
45249_5250	45249	5250	2287.235	191.086	-38.015	-0.545	282.32	-212.462	1
45250_5250	45250	5250	-2287.13	-191.086	43.957	1.097	-282.32	212.46	1
45250_5251	45250	5251	2287.128	223.504	-43.957	-1.097	-135.79	-2184.2	1
45251_5251	45251	5251	-2284.65	-281.125	-26.599	-38.395	135.79	2182.8	1
45251_5252	45251	5252	2284.653	301.737	26.599	38.395	25.075	-3945.34	1
45252_5252	45252	5252	-2284.69	-301.737	-23.05	-32.267	-25.075	3945.392	1
45252_5253	45252	5253	2284.692	323.072	23.05	32.267	169.364	-5900.98	1
45253_5253	45253	5253	-2284.74	-323.072	-17.132	-16.982	-169.364	5901.043	1
45253_5254	45253	5254	2284.744	355.926	17.132	16.982	332.079	-9125.48	1.01
45254_5254	45254	5254	145.817	554.435	-79.508	237.074	-248.515	26114.83	1.01
45254_5255	45254	5255	-144.45	-543.758	79.508	-237.074	463.709	-24628.7	1.01
45255_5255	45255	5255	126.393	493.585	41.727	-28.711	-429.294	24623.07	1.01
45255_5256	45255	5256	-121.039	-445.287	-41.727	28.711	-96.648	-18708.7	1.02
45256_5256	45256	5256	110.636	448.011	41.448	41.873	89.605	18708.7	1.02
45256_5257	45256	5257	-107.705	-414.309	-41.448	-41.873	-468.328	-14769.8	1.02
45257_5257	45257	5257	97.962	360.655	-20.979	-35.688	473.84	14768.19	1.02
45257_5258	45257	5258	-96.319	-337.161	20.979	35.688	-337.169	-12495.4	1.03
45258_5258	45258	5258	91.113	338.594	-21.151	-11.165	334.965	12495.46	1.03
45258_5259	45258	5259	-89.669	-312.159	21.151	11.165	-177.441	-10072.5	1.04
45259_5259	45259	5259	84.202	313.663	-21.367	15.784	176.102	10072.49	1.04
45259_5260	45259	5260	-83.343	-290.649	21.367	-15.784	-11.876	-7750.28	1.04
45260_5260	45260	5260	121.08	269.093	1.935	19.131	-15.075	-3739.96	1.04
45260_5261	45260	5261	-120.668	-250.9	-1.935	-19.131	3.64	5276.695	1.04
45261_5261	45261	5261	117.287	252.501	1.52	0.164	-3.207	-5276.73	1.04
45261_5262	45261	5262	-117.107	-232.845	-1.52	-0.164	-6.532	6831.156	1
45262_5262	45262	5262	114.968	233.909	1.388	-7.385	6.533	-6860.29	1
45262_5263	45262	5263	-114.968	-197.086	-1.388	7.385	-23.456	9486.722	1
45263_5263	45263	5263	114.972	138.423	1.284	16.88	23.456	-9486.32	1
45263_5264	45263	5264	-114.972	-103.924	-1.284	-16.88	-38.117	10869.96	1
45264_5264	45264	5264	114.975	103.924	0.954	-14.343	38.117	-10870	1
45264_5265	45264	5265	-114.975	-68.773	-0.954	14.343	-49.213	11874.59	1
45265_5265	45265	5265	114.978	13.453	0.869	24.064	49.213	-11874.6	1
45265_5266	45265	5266	-114.978	21.774	-0.869	-24.064	-59.343	11826.13	1
45266_5266	45266	5266	114.981	-21.774	0.414	-22.764	59.343	-11826.1	1
45266_5267	45266	5267	-114.981	56.196	-0.414	22.764	-64.055	11381.97	1
45267_5267	45267	5267	114.995	-112.246	1.52	24.001	64.055	-11382.6	1
45267_5268	45267	5268	-114.995	147.107	-1.52	-24.001	-81.599	9886.257	1
45268_5268	45268	5268	115.001	-147.107	0.971	-23.262	81.599	-9886.26	1
45268_5269	45268	5269	-115.001	181.87	-0.971	23.262	-92.768	7993.645	1
45269_5269	45269	5269	114.989	-235.788	-0.034	11.386	92.768	-7994.42	1
45269_5270	45269	5270	-114.989	262.561	0.034	-11.386	-92.466	5786.36	1
45270_5270	45270	5270	114.989	-262.561	-0.367	-5.351	92.466	-5786.37	1
45270_5271	45270	5271	-114.989	289.223	0.367	5.351	-89.23	3351.678	1.05
45271_5271	45271	5271	117.6	-288.171	-0.627	-13.582	89.111	-3322.52	1.05

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
45271_5272	45271	5272	-117.789	309.042	0.627	13.582	-85.098	1411.116	1.05
45272_5272	45272	5272	123.945	-364.472	10.487	-3.309	85.163	-1412.05	1.05
45272_5273	45272	5273	-124.495	387.497	-10.487	3.309	-158.908	-1231.92	1.05
45273_5273	45273	5273	130.236	-385.612	10.257	-3.204	158.936	1231.917	1.05
45273_5274	45273	5274	-131.072	407.23	-10.257	3.204	-226.136	-3829.04	1.05
45274_5274	45274	5274	138.774	-404.677	9.968	1.177	226.534	3839.857	1.05
45274_5275	45274	5275	-141.199	446.753	-9.968	-1.177	-337.807	-8591.34	1.03
45275_5275	45275	5275	155.502	-509.742	-39.065	-31.609	335.724	8592.611	1.03
45275_5276	45275	5276	-158.587	547.957	39.065	31.609	49.652	-13808.7	1.02
45276_5276	45276	5276	169.896	-544.523	-39.532	25.675	-44.574	13808.71	1.02
45276_5277	45276	5277	-173.801	582.839	39.532	-25.675	423.075	-19204.6	1.02
45277_5277	45277	5277	154.455	-771.895	75.854	-72.262	-1077.54	39831.58	1.02
45277_5278	45277	5278	-158.369	804.256	-75.854	72.262	488.914	-45946.2	1
45278_5278	45278	5278	-3426.71	426.888	37.715	10.59	-190.906	15000.94	1
45278_5279	45278	5279	3426.711	-391.928	-37.715	-10.59	-167.037	-11115.4	1
45279_5279	45279	5279	-3426.58	391.928	47.95	47.997	167.037	11415.95	1
45279_5280	45279	5280	3426.583	-369.444	-47.95	-47.997	-480.306	-8928.83	1
45280_5280	45280	5280	-3428.29	304.255	-59.033	-8.988	480.306	8929.78	1
45280_5281	45280	5281	3428.288	-264.117	59.033	8.988	208.187	-5615.39	1
45281_5281	45281	5281	-3428.43	264.117	-50.07	5.694	-208.187	5615.39	1
45281_5282	45281	5282	3428.43	-221.411	50.07	-5.694	829.525	-2602.83	1
45282_5282	45282	5282	-3428.01	152.118	3.351	-2.001	-829.525	2602.861	1
45282_5283	45282	5283	3428.01	-115.846	-3.351	2.001	788.01	-942.995	1
45283_5283	45283	5283	-3427.98	115.846	14.006	0.93	-788.01	942.996	1
45283_5284	45283	5284	3427.983	-81.637	-14.006	-0.93	624.367	210.692	1
45284_5284	45284	5284	-3428.13	-22.011	13.156	-0.474	-624.367	-210.723	1
45284_5285	45284	5285	3428.127	55.024	-13.156	0.474	476.023	-223.576	1
45285_5285	45285	5285	-3428.09	-55.024	21.342	0.06	-476.023	223.577	1
45285_5286	45285	5286	3428.085	84.504	-21.342	-0.06	261.127	-926.03	1
45286_5286	45286	5286	-3428.03	-173.086	37.287	-4.443	-261.127	926.113	1
45286_5287	45286	5287	3428.033	206.493	-37.287	4.443	-164.328	-3091.65	1
45287_5287	45287	5287	-3427.88	-206.493	49.101	6.212	164.328	3091.642	1
45287_5288	45287	5288	3427.884	240.073	-49.101	-6.212	-727.466	-5652.45	1
45288_5288	45288	5288	-3429.34	-246.659	-32.088	-22.565	727.466	5653.217	1
45288_5289	45288	5289	3429.335	258.367	32.088	22.565	-599.151	-6662.97	1
45289_5289	45289	5289	-3429.38	-258.367	-27.223	-10.722	599.151	6362.067	1
45289_5290	45289	5290	3429.377	288.482	27.223	10.722	-340.539	-8959.57	1.01
45290_5290	45290	5290	149.912	988.141	-23.818	12.127	108.225	36634.55	1.01
45290_5291	45290	5291	-145.749	-950.244	23.818	-12.127	140.556	-26512.9	1.02
45291_5291	45291	5291	112.86	863.709	1.839	-34.412	-136.024	26515.16	1.02
45291_5292	45291	5292	-109.744	-825.92	-1.839	34.412	116.065	-17346.2	1.02
45292_5292	45292	5292	87.852	828.535	1.682	34.079	-120.587	17346.16	1.02
45292_5293	45292	5293	-86.018	-795.686	-1.682	-34.079	104.226	-9447	1.03
45293_5293	45293	5293	65.908	706.753	3.569	-9.68	-101.891	9448.165	1.03
45293_5294	45293	5294	-65.075	-682.537	-3.569	9.68	75.848	-4379.77	1.05
45294_5294	45294	5294	51.042	683.73	3.467	2.985	-76.184	4375.666	1.05
45294_5295	45294	5295	-50.738	-661.762	-3.467	-2.985	49.714	760.417	1.08
45295_5295	45295	5295	41.885	662.382	3.365	1.787	-49.669	-760.423	1.08
45295_5296	45295	5296	-41.874	-638.839	-3.365	-1.787	22.071	6096.127	1.08
45296_5296	45296	5296	31.165	582.649	1.486	13.096	6.348	-2184.14	1.08
45296_5297	45296	5297	-31.165	-570.792	-1.486	-13.096	-12.514	4576.836	1
45297_5297	45297	5297	31.167	570.792	1.45	7.737	12.514	-4576.85	1
45297_5298	45297	5298	-31.167	-540.126	-1.45	-7.737	-25.942	9722.029	1
45298_5298	45298	5298	31.17	540.126	1.375	-15.395	25.942	-9722.02	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
45298_5299	45298	5299	-31.17	-509.784	-1.375	15.395	-38.549	14533.43	1
45299_5299	45299	5299	31.157	429.489	-0.279	41.041	38.549	-14534.6	1
45299_5300	45299	5300	-31.157	-390.869	0.279	-41.041	-35.299	19319.66	1
45300_5300	45300	5300	31.156	390.869	-0.399	-33.875	35.299	-19319.7	1
45300_5301	45300	5301	-31.156	-349.835	0.399	33.875	-30.349	23910.21	1
45301_5301	45301	5301	31.152	269.36	-0.751	52.742	30.349	-23912.1	1
45301_5302	45301	5302	-31.152	-227.951	0.751	-52.742	-20.95	27022.43	1
45302_5302	45302	5302	31.149	227.951	-0.871	-51.114	20.95	-27022.4	1
45302_5303	45302	5303	-31.149	-189.738	0.871	51.114	-10.896	29433.05	1
45303_5303	45303	5303	31.172	109.066	1.206	64.03	10.896	-29435.2	1
45303_5304	45303	5304	-31.172	-65.988	-1.206	-64.03	-26.587	30574.08	1
45304_5304	45304	5304	31.177	65.988	1.071	-68.687	26.587	-30574.1	1
45304_5305	45304	5305	-31.177	-29.415	-1.071	68.687	-38.414	31101.06	1
45305_5305	45305	5305	31.157	-51.229	-0.93	51.943	38.414	-31103.3	1
45305_5306	45305	5306	-31.157	91.142	0.93	-51.943	-27.206	30245.09	1
45306_5306	45306	5306	31.154	-91.142	-1.031	-46.402	27.206	-30245.1	1
45306_5307	45306	5307	-31.154	130.815	1.031	46.402	-14.851	28915.14	1
45307_5307	45307	5307	31.179	-211.794	1.745	54.612	14.851	-28917.2	1
45307_5308	45307	5308	-31.179	251.131	-1.745	-54.612	-35.588	26166.86	1
45308_5308	45308	5308	31.185	-251.131	1.622	-48.985	35.588	-26166.9	1
45308_5309	45308	5309	-31.185	291.433	-1.622	48.985	-55.331	22864.3	1
45309_5309	45309	5309	31.146	-364.917	-2.371	35.334	55.331	-22865.7	1
45309_5310	45309	5310	-31.146	404.803	2.371	-35.334	-26.768	18228.75	1
45310_5310	45310	5310	31.137	-404.803	-2.486	-32.231	26.768	-18228.8	1
45310_5311	45310	5311	-31.137	444.524	2.486	32.231	3.061	13133.57	1
45311_5311	45311	5311	31.159	-528.492	0.198	12.613	-3.061	-13134.3	1
45311_5312	45311	5312	-31.159	570.207	-0.198	-12.613	0.561	6212.08	1
45312_5312	45312	5312	31.16	-570.207	0.052	-16.6	-0.561	-6212.07	1
45312_5313	45312	5313	-31.16	606.064	-0.052	16.6	0	-158.044	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1	2	3	4	5	6	7	8	9	14
5000_5000	5000	5000	0	0	0	0	0	0	1
5000_5001	5000	5001	0	0	0	0	0	0	1
5001_5001	5001	5001	0	0	0	0	0	0	1
5001_5002	5001	5002	0	0	0	0	0	0	1
5002_5002	5002	5002	0	0	0	0	0	0	1
5002_5003	5002	5003	0	0	0	0	0	0	1
5003_5003	5003	5003	0	0	0	0	0	0	1
5003_5004	5003	5004	0	0	0	0	0	0	1
5004_5004	5004	5004	0	0	0	0	0	0	1
5004_5005	5004	5005	0	0	0	0	0	0	1
5005_5005	5005	5005	0	0	0	0	0	0	1
5005_5006	5005	5006	0	0	0	0	0	0	1
5006_5006	5006	5006	0	0	0	0	0	0	1
5006_5007	5006	5007	0	0	0	0	0	0	1
5007_5007	5007	5007	0	0	0	0	0	0	1
5007_5008	5007	5008	0	0	0	0	0	0	1
5008_5008	5008	5008	0	0	0	0	0	0	1
5008_5009	5008	5009	0	0	0	0	0	0	1
5009_5009	5009	5009	0	0	0	0	0	0	1
5009_5010	5009	5010	0	0	0	0	0	0	1
5010_5010	5010	5010	0	0	0	0	0	0	1
5010_5011	5010	5011	0	0	0	0	0	0	1
5011_5011	5011	5011	0	0	0	0	0	0	1
5011_5012	5011	5012	0	0	0	0	0	0	1
5012_5012	5012	5012	0	0	0	0	0	0	1
5012_5013	5012	5013	0	0	0	0	0	0	1
5013_5013	5013	5013	0	0	0	0	0	0	1
5013_5014	5013	5014	0	0	0	0	0	0	1
5014_5014	5014	5014	0	0	0	0	0	0	1
5014_5015	5014	5015	0	0	0	0	0	0	1
5015_5015	5015	5015	0	0	0	0	0	0	1
5015_5016	5015	5016	0	0	0	0	0	0	1
5016_5016	5016	5016	0	0	0	0	0	0	1
5016_5017	5016	5017	0	0	0	0	0	0	1.06
5017_5017	5017	5017	0	0	0	0	0	0	1.06
5017_5018	5017	5018	0	0	0	0	0	0	1.03
5018_5018	5018	5018	0	0	0	0	0	0	1.03
5018_5019	5018	5019	0	0	0	0	0	0	1.02
5019_5019	5019	5019	0	0	0	0	0	0	1.02
5019_5020	5019	5020	0	0	0	0	0	0	1.02
5020_5020	5020	5020	0	0	0	0	0	0	1.02
5020_5021	5020	5021	0	0	0	0	0	0	1
5021_5021	5021	5021	0	0	0	0	0	0	1
5021_5022	5021	5022	0	0	0	0	0	0	1
5022_5022	5022	5022	0	0	0	0	0	0	1
5022_5023	5022	5023	0	0	0	0	0	0	1
5023_5023	5023	5023	0	0	0	0	0	0	1
5023_5024	5023	5024	0	0	0	0	0	0	1
5024_5024	5024	5024	0	0	0	0	0	0	1
5024_5025	5024	5025	0	0	0	0	0	0	1
5025_5025	5025	5025	0	0	0	0	0	0	1
5025_5026	5025	5026	0	0	0	0	0	0	1
5026_5026	5026	5026	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5026_5027	5026	5027	0	0	0	0	0	0	1
5027_5027	5027	5027	0	0	0	0	0	0	1
5027_5028	5027	5028	0	0	0	0	0	0	1
5028_5028	5028	5028	0	0	0	0	0	0	1
5028_5029	5028	5029	0	0	0	0	0	0	1
5029_5029	5029	5029	0	0	0	0	0	0	1
5029_5030	5029	5030	0	0	0	0	0	0	1
5030_5030	5030	5030	0	0	0	0	0	0	1
5030_5031	5030	5031	0	0	0	0	0	0	1
5031_5031	5031	5031	0	0	0	0	0	0	1
5031_5032	5031	5032	0	0	0	0	0	0	1
5032_5032	5032	5032	0	0	0	0	0	0	1
5032_5033	5032	5033	0	0	0	0	0	0	1
5033_5033	5033	5033	0	0	0	0	0	0	1
5033_5034	5033	5034	0	0	0	0	0	0	1
5034_5034	5034	5034	0	0	0	0	0	0	1
5034_5035	5034	5035	0	0	0	0	0	0	1
5035_5035	5035	5035	0	0	0	0	0	0	1
5035_5036	5035	5036	0	0	0	0	0	0	1.01
5036_5036	5036	5036	0	0	0	0	0	0	1.01
5036_5037	5036	5037	0	0	0	0	0	0	1.02
5037_5037	5037	5037	0	0	0	0	0	0	1.02
5037_5038	5037	5038	0	0	0	0	0	0	1.02
5038_5038	5038	5038	0	0	0	0	0	0	1.02
5038_5039	5038	5039	0	0	0	0	0	0	1.03
5039_5039	5039	5039	0	0	0	0	0	0	1.03
5039_5040	5039	5040	0	0	0	0	0	0	1.05
5040_5040	5040	5040	0	0	0	0	0	0	1.05
5040_5041	5040	5041	0	0	0	0	0	0	1.07
5041_5041	5041	5041	0	0	0	0	0	0	1.07
5041_5042	5041	5042	0	0	0	0	0	0	1
5042_5042	5042	5042	0	0	0	0	0	0	1
5042_5043	5042	5043	0	0	0	0	0	0	1
5043_5043	5043	5043	0	0	0	0	0	0	1
5043_5044	5043	5044	0	0	0	0	0	0	1
5044_5044	5044	5044	0	0	0	0	0	0	1
5044_5045	5044	5045	0	0	0	0	0	0	1
5045_5045	5045	5045	0	0	0	0	0	0	1
5045_5046	5045	5046	0	0	0	0	0	0	1
5046_5046	5046	5046	0	0	0	0	0	0	1
5046_5047	5046	5047	0	0	0	0	0	0	1
5047_5047	5047	5047	0	0	0	0	0	0	1
5047_5048	5047	5048	0	0	0	0	0	0	1
5048_5048	5048	5048	0	0	0	0	0	0	1
5048_5049	5048	5049	0	0	0	0	0	0	1
5049_5049	5049	5049	0	0	0	0	0	0	1
5049_5050	5049	5050	0	0	0	0	0	0	1
5050_5050	5050	5050	0	0	0	0	0	0	1
5050_5051	5050	5051	0	0	0	0	0	0	1.15
5051_5051	5051	5051	0	0	0	0	0	0	1.15
5051_5052	5051	5052	0	0	0	0	0	0	1.06
5052_5052	5052	5052	0	0	0	0	0	0	1.06
5052_5053	5052	5053	0	0	0	0	0	0	1.03
5053_5053	5053	5053	0	0	0	0	0	0	1.03

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5053_5054	5053	5054	0	0	0	0	0	0	1.02
5054_5054	5054	5054	0	0	0	0	0	0	1.02
5054_5055	5054	5055	0	0	0	0	0	0	1.01
5055_5055	5055	5055	0	0	0	0	0	0	1.01
5055_5056	5055	5056	0	0	0	0	0	0	1.01
5056_5056	5056	5056	0	0	0	0	0	0	1.01
5056_5057	5056	5057	0	0	0	0	0	0	1
5057_5057	5057	5057	0	0	0	0	0	0	1
5057_5058	5057	5058	0	0	0	0	0	0	1
5058_5058	5058	5058	0	0	0	0	0	0	1
5058_5059	5058	5059	0	0	0	0	0	0	1
5059_5059	5059	5059	0	0	0	0	0	0	1
5059_5060	5059	5060	0	0	0	0	0	0	1
5060_5060	5060	5060	0	0	0	0	0	0	1
5060_5061	5060	5061	0	0	0	0	0	0	1
5061_5061	5061	5061	0	0	0	0	0	0	1
5061_5062	5061	5062	0	0	0	0	0	0	1
5062_5062	5062	5062	0	0	0	0	0	0	1
5062_5063	5062	5063	0	0	0	0	0	0	1
5063_5063	5063	5063	0	0	0	0	0	0	1
5063_5064	5063	5064	0	0	0	0	0	0	1
5064_5064	5064	5064	0	0	0	0	0	0	1
5064_5065	5064	5065	0	0	0	0	0	0	1
5065_5065	5065	5065	0	0	0	0	0	0	1
5065_5066	5065	5066	0	0	0	0	0	0	1
5066_5066	5066	5066	0	0	0	0	0	0	1
5066_5067	5066	5067	0	0	0	0	0	0	1
5067_5067	5067	5067	0	0	0	0	0	0	1
5067_5068	5067	5068	0	0	0	0	0	0	1
5068_5068	5068	5068	0	0	0	0	0	0	1
5068_5069	5068	5069	0	0	0	0	0	0	1
5069_5069	5069	5069	0	0	0	0	0	0	1
5069_5070	5069	5070	0	0	0	0	0	0	1
5070_5070	5070	5070	0	0	0	0	0	0	1
5070_5071	5070	5071	0	0	0	0	0	0	1
5071_5071	5071	5071	0	0	0	0	0	0	1
5071_5072	5071	5072	0	0	0	0	0	0	1.01
5072_5072	5072	5072	0	0	0	0	0	0	1.01
5072_5073	5072	5073	0	0	0	0	0	0	1.01
5073_5073	5073	5073	0	0	0	0	0	0	1.01
5073_5074	5073	5074	0	0	0	0	0	0	1.01
5074_5074	5074	5074	0	0	0	0	0	0	1.01
5074_5075	5074	5075	0	0	0	0	0	0	1.03
5075_5075	5075	5075	0	0	0	0	0	0	1.03
5075_5076	5075	5076	0	0	0	0	0	0	1.03
5076_5076	5076	5076	0	0	0	0	0	0	1.03
5076_5077	5076	5077	0	0	0	0	0	0	1
5077_5077	5077	5077	0	0	0	0	0	0	1
5077_5078	5077	5078	0	0	0	0	0	0	1
5078_5078	5078	5078	0	0	0	0	0	0	1
5078_5079	5078	5079	0	0	0	0	0	0	1
5079_5079	5079	5079	0	0	0	0	0	0	1
5079_5080	5079	5080	0	0	0	0	0	0	1
5080_5080	5080	5080	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5080_5081	5080	5081	0	0	0	0	0	0	1
5081_5081	5081	5081	0	0	0	0	0	0	1
5081_5082	5081	5082	0	0	0	0	0	0	1
5082_5082	5082	5082	0	0	0	0	0	0	1
5082_5083	5082	5083	0	0	0	0	0	0	1
5083_5083	5083	5083	0	0	0	0	0	0	1
5083_5084	5083	5084	0	0	0	0	0	0	1
5084_5084	5084	5084	0	0	0	0	0	0	1
5084_5085	5084	5085	0	0	0	0	0	0	1
5085_5085	5085	5085	0	0	0	0	0	0	1
5085_5086	5085	5086	0	0	0	0	0	0	1
5086_5086	5086	5086	0	0	0	0	0	0	1
5086_5087	5086	5087	0	0	0	0	0	0	1
5087_5087	5087	5087	0	0	0	0	0	0	1
5087_5088	5087	5088	0	0	0	0	0	0	1
5088_5088	5088	5088	0	0	0	0	0	0	1
5088_5089	5088	5089	0	0	0	0	0	0	1.08
5089_5089	5089	5089	0	0	0	0	0	0	1.08
5089_5090	5089	5090	0	0	0	0	0	0	1.08
5090_5090	5090	5090	0	0	0	0	0	0	1.08
5090_5091	5090	5091	0	0	0	0	0	0	1.02
5091_5091	5091	5091	0	0	0	0	0	0	1.02
5091_5092	5091	5092	0	0	0	0	0	0	1.02
5092_5092	5092	5092	0	0	0	0	0	0	1.02
5092_5093	5092	5093	0	0	0	0	0	0	1.02
5093_5093	5093	5093	0	0	0	0	0	0	1.02
5093_5094	5093	5094	0	0	0	0	0	0	1
5094_5094	5094	5094	0	0	0	0	0	0	1
5094_5095	5094	5095	0	0	0	0	0	0	1
5095_5095	5095	5095	0	0	0	0	0	0	1
5095_5096	5095	5096	0	0	0	0	0	0	1
5096_5096	5096	5096	0	0	0	0	0	0	1
5096_5097	5096	5097	0	0	0	0	0	0	1
5097_5097	5097	5097	0	0	0	0	0	0	1
5097_5098	5097	5098	0	0	0	0	0	0	1
5098_5098	5098	5098	0	0	0	0	0	0	1
5098_5099	5098	5099	0	0	0	0	0	0	1
5099_5099	5099	5099	0	0	0	0	0	0	1
5099_5100	5099	5100	0	0	0	0	0	0	1
5100_5100	5100	5100	0	0	0	0	0	0	1
5100_5101	5100	5101	0	0	0	0	0	0	1
5101_5101	5101	5101	0	0	0	0	0	0	1
5101_5102	5101	5102	0	0	0	0	0	0	1
5102_5102	5102	5102	0	0	0	0	0	0	1
5102_5103	5102	5103	0	0	0	0	0	0	1
5103_5103	5103	5103	0	0	0	0	0	0	1
5103_5104	5103	5104	0	0	0	0	0	0	1
5104_5104	5104	5104	0	0	0	0	0	0	1
5104_5105	5104	5105	0	0	0	0	0	0	1
5105_5105	5105	5105	0	0	0	0	0	0	1
5105_5106	5105	5106	0	0	0	0	0	0	1
5106_5106	5106	5106	0	0	0	0	0	0	1
5106_5107	5106	5107	0	0	0	0	0	0	1
5107_5107	5107	5107	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5107_5108	5107	5108	0	0	0	0	0	0	1
5108_5108	5108	5108	0	0	0	0	0	0	1
5108_5109	5108	5109	0	0	0	0	0	0	1
5109_5109	5109	5109	0	0	0	0	0	0	1
5109_5110	5109	5110	0	0	0	0	0	0	1.01
5110_5110	5110	5110	0	0	0	0	0	0	1.01
5110_5111	5110	5111	0	0	0	0	0	0	1.01
5111_5111	5111	5111	0	0	0	0	0	0	1.01
5111_5112	5111	5112	0	0	0	0	0	0	1.01
5112_5112	5112	5112	0	0	0	0	0	0	1.01
5112_5113	5112	5113	0	0	0	0	0	0	1.03
5113_5113	5113	5113	0	0	0	0	0	0	1.03
5113_5114	5113	5114	0	0	0	0	0	0	1.03
5114_5114	5114	5114	0	0	0	0	0	0	1.03
5114_5115	5114	5115	0	0	0	0	0	0	1.11
5115_5115	5115	5115	0	0	0	0	0	0	1.11
5115_5116	5115	5116	0	0	0	0	0	0	1
5116_5116	5116	5116	0	0	0	0	0	0	1
5116_5117	5116	5117	0	0	0	0	0	0	1
5117_5117	5117	5117	0	0	0	0	0	0	1
5117_5118	5117	5118	0	0	0	0	0	0	1
5118_5118	5118	5118	0	0	0	0	0	0	1
5118_5119	5118	5119	0	0	0	0	0	0	1
5119_5119	5119	5119	0	0	0	0	0	0	1
5119_5120	5119	5120	0	0	0	0	0	0	1
5120_5120	5120	5120	0	0	0	0	0	0	1
5120_5121	5120	5121	0	0	0	0	0	0	1
5121_5121	5121	5121	0	0	0	0	0	0	1
5121_5122	5121	5122	0	0	0	0	0	0	1
5122_5122	5122	5122	0	0	0	0	0	0	1
5122_5123	5122	5123	0	0	0	0	0	0	1
5123_5123	5123	5123	0	0	0	0	0	0	1
5123_5124	5123	5124	0	0	0	0	0	0	1
5124_5124	5124	5124	0	0	0	0	0	0	1
5124_5125	5124	5125	0	0	0	0	0	0	1
5125_5125	5125	5125	0	0	0	0	0	0	1
5125_5126	5125	5126	0	0	0	0	0	0	1
5126_5126	5126	5126	0	0	0	0	0	0	1
5126_5127	5126	5127	0	0	0	0	0	0	1
5127_5127	5127	5127	0	0	0	0	0	0	1
5127_5128	5127	5128	0	0	0	0	0	0	1
5128_5128	5128	5128	0	0	0	0	0	0	1
5128_5129	5128	5129	0	0	0	0	0	0	1.07
5129_5129	5129	5129	0	0	0	0	0	0	1.07
5129_5130	5129	5130	0	0	0	0	0	0	1.04
5130_5130	5130	5130	0	0	0	0	0	0	1.04
5130_5131	5130	5131	0	0	0	0	0	0	1.03
5131_5131	5131	5131	0	0	0	0	0	0	1.03
5131_5132	5131	5132	0	0	0	0	0	0	1.03
5132_5132	5132	5132	0	0	0	0	0	0	1.03
5132_5133	5132	5133	0	0	0	0	0	0	1
5133_5133	5133	5133	0	0	0	0	0	0	1
5133_5134	5133	5134	0	0	0	0	0	0	1
5134_5134	5134	5134	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5134_5135	5134	5135	0	0	0	0	0	0	1
5135_5135	5135	5135	0	0	0	0	0	0	1
5135_5136	5135	5136	0	0	0	0	0	0	1
5136_5136	5136	5136	0	0	0	0	0	0	1
5136_5137	5136	5137	0	0	0	0	0	0	1
5137_5137	5137	5137	0	0	0	0	0	0	1
5137_5138	5137	5138	0	0	0	0	0	0	1
5138_5138	5138	5138	0	0	0	0	0	0	1
5138_5139	5138	5139	0	0	0	0	0	0	1
5139_5139	5139	5139	0	0	0	0	0	0	1
5139_5140	5139	5140	0	0	0	0	0	0	1
5140_5140	5140	5140	0	0	0	0	0	0	1
5140_5141	5140	5141	0	0	0	0	0	0	1
5141_5141	5141	5141	0	0	0	0	0	0	1
5141_5142	5141	5142	0	0	0	0	0	0	1
5142_5142	5142	5142	0	0	0	0	0	0	1
5142_5143	5142	5143	0	0	0	0	0	0	1
5143_5143	5143	5143	0	0	0	0	0	0	1
5143_5144	5143	5144	0	0	0	0	0	0	1
5144_5144	5144	5144	0	0	0	0	0	0	1
5144_5145	5144	5145	0	0	0	0	0	0	1
5145_5145	5145	5145	0	0	0	0	0	0	1
5145_5146	5145	5146	0	0	0	0	0	0	1
5146_5146	5146	5146	0	0	0	0	0	0	1
5146_5147	5146	5147	0	0	0	0	0	0	1
5147_5147	5147	5147	0	0	0	0	0	0	1
5147_5148	5147	5148	0	0	0	0	0	0	1
5148_5148	5148	5148	0	0	0	0	0	0	1
5148_5149	5148	5149	0	0	0	0	0	0	1
5149_5149	5149	5149	0	0	0	0	0	0	1
5149_5150	5149	5150	0	0	0	0	0	0	1
5150_5150	5150	5150	0	0	0	0	0	0	1
5150_5151	5150	5151	0	0	0	0	0	0	1
5151_5151	5151	5151	0	0	0	0	0	0	1
5151_5152	5151	5152	0	0	0	0	0	0	1
5152_5152	5152	5152	0	0	0	0	0	0	1
5152_5153	5152	5153	0	0	0	0	0	0	1
5153_5153	5153	5153	0	0	0	0	0	0	1
5153_5154	5153	5154	0	0	0	0	0	0	1
5154_5154	5154	5154	0	0	0	0	0	0	1
5154_5155	5154	5155	0	0	0	0	0	0	1
5155_5155	5155	5155	0	0	0	0	0	0	1
5155_5156	5155	5156	0	0	0	0	0	0	1
5156_5156	5156	5156	0	0	0	0	0	0	1
5156_5157	5156	5157	0	0	0	0	0	0	1
5157_5157	5157	5157	0	0	0	0	0	0	1
5157_5158	5157	5158	0	0	0	0	0	0	1
5158_5158	5158	5158	0	0	0	0	0	0	1
5158_5159	5158	5159	0	0	0	0	0	0	1
5159_5159	5159	5159	0	0	0	0	0	0	1
5159_5160	5159	5160	0	0	0	0	0	0	1
5160_5160	5160	5160	0	0	0	0	0	0	1
5160_5161	5160	5161	0	0	0	0	0	0	1
5161_5161	5161	5161	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5161_5162	5161	5162	0	0	0	0	0	0	1
5162_5162	5162	5162	0	0	0	0	0	0	1
5162_5163	5162	5163	0	0	0	0	0	0	1
5163_5163	5163	5163	0	0	0	0	0	0	1
5163_5164	5163	5164	0	0	0	0	0	0	1
5164_5164	5164	5164	0	0	0	0	0	0	1
5164_5165	5164	5165	0	0	0	0	0	0	1
5165_5165	5165	5165	0	0	0	0	0	0	1
5165_5166	5165	5166	0	0	0	0	0	0	1
5166_5166	5166	5166	0	0	0	0	0	0	1
5166_5167	5166	5167	0	0	0	0	0	0	1
5167_5167	5167	5167	0	0	0	0	0	0	1
5167_5168	5167	5168	0	0	0	0	0	0	1
5168_5168	5168	5168	0	0	0	0	0	0	1
5168_5169	5168	5169	0	0	0	0	0	0	1
5169_5169	5169	5169	0	0	0	0	0	0	1
5169_5170	5169	5170	0	0	0	0	0	0	1
5170_5170	5170	5170	0	0	0	0	0	0	1
5170_5171	5170	5171	0	0	0	0	0	0	1
5171_5171	5171	5171	0	0	0	0	0	0	1
5171_5172	5171	5172	0	0	0	0	0	0	1
5172_5172	5172	5172	0	0	0	0	0	0	1
5172_5173	5172	5173	0	0	0	0	0	0	1
5173_5173	5173	5173	0	0	0	0	0	0	1
5173_5174	5173	5174	0	0	0	0	0	0	1
5174_5174	5174	5174	0	0	0	0	0	0	1
5174_5175	5174	5175	0	0	0	0	0	0	1
5175_5175	5175	5175	0	0	0	0	0	0	1
5175_5176	5175	5176	0	0	0	0	0	0	1
5176_5176	5176	5176	0	0	0	0	0	0	1
5176_5177	5176	5177	0	0	0	0	0	0	1
5177_5177	5177	5177	0	0	0	0	0	0	1
5177_5178	5177	5178	0	0	0	0	0	0	1
5178_5178	5178	5178	0	0	0	0	0	0	1
5178_5179	5178	5179	0	0	0	0	0	0	1
5179_5179	5179	5179	0	0	0	0	0	0	1
5179_5180	5179	5180	0	0	0	0	0	0	1
5180_5180	5180	5180	0	0	0	0	0	0	1
5180_5181	5180	5181	0	0	0	0	0	0	1
5181_5181	5181	5181	0	0	0	0	0	0	1
5181_5182	5181	5182	0	0	0	0	0	0	1
5182_5182	5182	5182	0	0	0	0	0	0	1
5182_5183	5182	5183	0	0	0	0	0	0	1
5183_5183	5183	5183	0	0	0	0	0	0	1
5183_5184	5183	5184	0	0	0	0	0	0	1.02
5184_5184	5184	5184	0	0	0	0	0	0	1.02
5184_5185	5184	5185	0	0	0	0	0	0	1.03
5185_5185	5185	5185	0	0	0	0	0	0	1.03
5185_5186	5185	5186	0	0	0	0	0	0	1.04
5186_5186	5186	5186	0	0	0	0	0	0	1.04
5186_5187	5186	5187	0	0	0	0	0	0	1.08
5187_5187	5187	5187	0	0	0	0	0	0	1.08
5187_5188	5187	5188	0	0	0	0	0	0	1.08
5188_5188	5188	5188	0	0	0	0	0	0	1.08

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5188_5189	5188	5189	0	0	0	0	0	0	1
5189_5189	5189	5189	0	0	0	0	0	0	1
5189_5190	5189	5190	0	0	0	0	0	0	1
5190_5190	5190	5190	0	0	0	0	0	0	1
5190_5191	5190	5191	0	0	0	0	0	0	1
5191_5191	5191	5191	0	0	0	0	0	0	1
5191_5192	5191	5192	0	0	0	0	0	0	1
5192_5192	5192	5192	0	0	0	0	0	0	1
5192_5193	5192	5193	0	0	0	0	0	0	1
5193_5193	5193	5193	0	0	0	0	0	0	1
5193_5194	5193	5194	0	0	0	0	0	0	1
5194_5194	5194	5194	0	0	0	0	0	0	1
5194_5195	5194	5195	0	0	0	0	0	0	1
5195_5195	5195	5195	0	0	0	0	0	0	1
5195_5196	5195	5196	0	0	0	0	0	0	1
5196_5196	5196	5196	0	0	0	0	0	0	1
5196_5197	5196	5197	0	0	0	0	0	0	1
5197_5197	5197	5197	0	0	0	0	0	0	1
5197_5198	5197	5198	0	0	0	0	0	0	1
5198_5198	5198	5198	0	0	0	0	0	0	1
5198_5199	5198	5199	0	0	0	0	0	0	1.03
5199_5199	5199	5199	0	0	0	0	0	0	1.03
5199_5200	5199	5200	0	0	0	0	0	0	1.03
5200_5200	5200	5200	0	0	0	0	0	0	1.03
5200_5201	5200	5201	0	0	0	0	0	0	1.03
5201_5201	5201	5201	0	0	0	0	0	0	1.03
5201_5202	5201	5202	0	0	0	0	0	0	1.02
5202_5202	5202	5202	0	0	0	0	0	0	1.02
5202_5203	5202	5203	0	0	0	0	0	0	1.01
5203_5203	5203	5203	0	0	0	0	0	0	1.01
5203_5204	5203	5204	0	0	0	0	0	0	1.01
5204_5204	5204	5204	0	0	0	0	0	0	1.01
5204_5205	5204	5205	0	0	0	0	0	0	1
5205_5205	5205	5205	0	0	0	0	0	0	1
5205_5206	5205	5206	0	0	0	0	0	0	1
5206_5206	5206	5206	0	0	0	0	0	0	1
5206_5207	5206	5207	0	0	0	0	0	0	1
5207_5207	5207	5207	0	0	0	0	0	0	1
5207_5208	5207	5208	0	0	0	0	0	0	1
5208_5208	5208	5208	0	0	0	0	0	0	1
5208_5209	5208	5209	0	0	0	0	0	0	1
5209_5209	5209	5209	0	0	0	0	0	0	1
5209_5210	5209	5210	0	0	0	0	0	0	1
5210_5210	5210	5210	0	0	0	0	0	0	1
5210_5211	5210	5211	0	0	0	0	0	0	1
5211_5211	5211	5211	0	0	0	0	0	0	1
5211_5212	5211	5212	0	0	0	0	0	0	1
5212_5212	5212	5212	0	0	0	0	0	0	1
5212_5213	5212	5213	0	0	0	0	0	0	1
5213_5213	5213	5213	0	0	0	0	0	0	1
5213_5214	5213	5214	0	0	0	0	0	0	1
5214_5214	5214	5214	0	0	0	0	0	0	1
5214_5215	5214	5215	0	0	0	0	0	0	1
5215_5215	5215	5215	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5215_5216	5215	5216	0	0	0	0	0	0	1
5216_5216	5216	5216	0	0	0	0	0	0	1
5216_5217	5216	5217	0	0	0	0	0	0	1
5217_5217	5217	5217	0	0	0	0	0	0	1
5217_5218	5217	5218	0	0	0	0	0	0	1
5218_5218	5218	5218	0	0	0	0	0	0	1
5218_5219	5218	5219	0	0	0	0	0	0	1
5219_5219	5219	5219	0	0	0	0	0	0	1
5219_5220	5219	5220	0	0	0	0	0	0	1
5220_5220	5220	5220	0	0	0	0	0	0	1
5220_5221	5220	5221	0	0	0	0	0	0	1
5221_5221	5221	5221	0	0	0	0	0	0	1
5221_5222	5221	5222	0	0	0	0	0	0	1.01
5222_5222	5222	5222	0	0	0	0	0	0	1.01
5222_5223	5222	5223	0	0	0	0	0	0	1.01
5223_5223	5223	5223	0	0	0	0	0	0	1.01
5223_5224	5223	5224	0	0	0	0	0	0	1.04
5224_5224	5224	5224	0	0	0	0	0	0	1.04
5224_5225	5224	5225	0	0	0	0	0	0	1
5225_5225	5225	5225	0	0	0	0	0	0	1
5225_5226	5225	5226	0	0	0	0	0	0	1
5226_5226	5226	5226	0	0	0	0	0	0	1
5226_5227	5226	5227	0	0	0	0	0	0	1
5227_5227	5227	5227	0	0	0	0	0	0	1
5227_5228	5227	5228	0	0	0	0	0	0	1
5228_5228	5228	5228	0	0	0	0	0	0	1
5228_5229	5228	5229	0	0	0	0	0	0	1
5229_5229	5229	5229	0	0	0	0	0	0	1
5229_5230	5229	5230	0	0	0	0	0	0	1
5230_5230	5230	5230	0	0	0	0	0	0	1
5230_5231	5230	5231	0	0	0	0	0	0	1
5231_5231	5231	5231	0	0	0	0	0	0	1
5231_5232	5231	5232	0	0	0	0	0	0	1
5232_5232	5232	5232	0	0	0	0	0	0	1
5232_5233	5232	5233	0	0	0	0	0	0	1.04
5233_5233	5233	5233	0	0	0	0	0	0	1.04
5233_5234	5233	5234	0	0	0	0	0	0	1.04
5234_5234	5234	5234	0	0	0	0	0	0	1.04
5234_5235	5234	5235	0	0	0	0	0	0	1.04
5235_5235	5235	5235	0	0	0	0	0	0	1.04
5235_5236	5235	5236	0	0	0	0	0	0	1.04
5236_5236	5236	5236	0	0	0	0	0	0	1.04
5236_5237	5236	5237	0	0	0	0	0	0	1.01
5237_5237	5237	5237	0	0	0	0	0	0	1.01
5237_5238	5237	5238	0	0	0	0	0	0	1.01
5238_5238	5238	5238	0	0	0	0	0	0	1.01
5238_5239	5238	5239	0	0	0	0	0	0	1.01
5239_5239	5239	5239	0	0	0	0	0	0	1.01
5239_5240	5239	5240	0	0	0	0	0	0	1
5240_5240	5240	5240	0	0	0	0	0	0	1
5240_5241	5240	5241	0	0	0	0	0	0	1
5241_5241	5241	5241	0	0	0	0	0	0	1
5241_5242	5241	5242	0	0	0	0	0	0	1
5242_5242	5242	5242	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5242_5243	5242	5243	0	0	0	0	0	0	1
5243_5243	5243	5243	0	0	0	0	0	0	1
5243_5244	5243	5244	0	0	0	0	0	0	1
5244_5244	5244	5244	0	0	0	0	0	0	1
5244_5245	5244	5245	0	0	0	0	0	0	1
5245_5245	5245	5245	0	0	0	0	0	0	1
5245_5246	5245	5246	0	0	0	0	0	0	1
5246_5246	5246	5246	0	0	0	0	0	0	1
5246_5247	5246	5247	0	0	0	0	0	0	1
5247_5247	5247	5247	0	0	0	0	0	0	1
5247_5248	5247	5248	0	0	0	0	0	0	1
5248_5248	5248	5248	0	0	0	0	0	0	1
5248_5249	5248	5249	0	0	0	0	0	0	1
5249_5249	5249	5249	0	0	0	0	0	0	1
5249_5250	5249	5250	0	0	0	0	0	0	1
5250_5250	5250	5250	0	0	0	0	0	0	1
5250_5251	5250	5251	0	0	0	0	0	0	1
5251_5251	5251	5251	0	0	0	0	0	0	1
5251_5252	5251	5252	0	0	0	0	0	0	1
5252_5252	5252	5252	0	0	0	0	0	0	1
5252_5253	5252	5253	0	0	0	0	0	0	1
5253_5253	5253	5253	0	0	0	0	0	0	1
5253_5254	5253	5254	0	0	0	0	0	0	1
5254_5254	5254	5254	0	0	0	0	0	0	1
5254_5255	5254	5255	0	0	0	0	0	0	1.01
5255_5255	5255	5255	0	0	0	0	0	0	1.01
5255_5256	5255	5256	0	0	0	0	0	0	1.02
5256_5256	5256	5256	0	0	0	0	0	0	1.02
5256_5257	5256	5257	0	0	0	0	0	0	1.02
5257_5257	5257	5257	0	0	0	0	0	0	1.02
5257_5258	5257	5258	0	0	0	0	0	0	1.03
5258_5258	5258	5258	0	0	0	0	0	0	1.03
5258_5259	5258	5259	0	0	0	0	0	0	1.05
5259_5259	5259	5259	0	0	0	0	0	0	1.05
5259_5260	5259	5260	0	0	0	0	0	0	1.05
5260_5260	5260	5260	0	0	0	0	0	0	1.05
5260_5261	5260	5261	0	0	0	0	0	0	1.05
5261_5261	5261	5261	0	0	0	0	0	0	1.05
5261_5262	5261	5262	0	0	0	0	0	0	1
5262_5262	5262	5262	0	0	0	0	0	0	1
5262_5263	5262	5263	0	0	0	0	0	0	1
5263_5263	5263	5263	0	0	0	0	0	0	1
5263_5264	5263	5264	0	0	0	0	0	0	1
5264_5264	5264	5264	0	0	0	0	0	0	1
5264_5265	5264	5265	0	0	0	0	0	0	1
5265_5265	5265	5265	0	0	0	0	0	0	1
5265_5266	5265	5266	0	0	0	0	0	0	1
5266_5266	5266	5266	0	0	0	0	0	0	1
5266_5267	5266	5267	0	0	0	0	0	0	1
5267_5267	5267	5267	0	0	0	0	0	0	1
5267_5268	5267	5268	0	0	0	0	0	0	1
5268_5268	5268	5268	0	0	0	0	0	0	1
5268_5269	5268	5269	0	0	0	0	0	0	1
5269_5269	5269	5269	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5269_5270	5269	5270	0	0	0	0	0	0	1
5270_5270	5270	5270	0	0	0	0	0	0	1
5270_5271	5270	5271	0	0	0	0	0	0	1.07
5271_5271	5271	5271	0	0	0	0	0	0	1.07
5271_5272	5271	5272	0	0	0	0	0	0	1.07
5272_5272	5272	5272	0	0	0	0	0	0	1.07
5272_5273	5272	5273	0	0	0	0	0	0	1.04
5273_5273	5273	5273	0	0	0	0	0	0	1.04
5273_5274	5273	5274	0	0	0	0	0	0	1.04
5274_5274	5274	5274	0	0	0	0	0	0	1.04
5274_5275	5274	5275	0	0	0	0	0	0	1.03
5275_5275	5275	5275	0	0	0	0	0	0	1.03
5275_5276	5275	5276	0	0	0	0	0	0	1.03
5276_5276	5276	5276	0	0	0	0	0	0	1.03
5276_5277	5276	5277	0	0	0	0	0	0	1.03
5277_5277	5277	5277	0	0	0	0	0	0	1.03
5277_5278	5277	5278	0	0	0	0	0	0	1.02
5278_5278	5278	5278	0	0	0	0	0	0	1.02
5278_5279	5278	5279	0	0	0	0	0	0	1
5279_5279	5279	5279	0	0	0	0	0	0	1
5279_5280	5279	5280	0	0	0	0	0	0	1
5280_5280	5280	5280	0	0	0	0	0	0	1
5280_5281	5280	5281	0	0	0	0	0	0	1
5281_5281	5281	5281	0	0	0	0	0	0	1
5281_5282	5281	5282	0	0	0	0	0	0	1
5282_5282	5282	5282	0	0	0	0	0	0	1
5282_5283	5282	5283	0	0	0	0	0	0	1
5283_5283	5283	5283	0	0	0	0	0	0	1
5283_5284	5283	5284	0	0	0	0	0	0	1
5284_5284	5284	5284	0	0	0	0	0	0	1
5284_5285	5284	5285	0	0	0	0	0	0	1
5285_5285	5285	5285	0	0	0	0	0	0	1
5285_5286	5285	5286	0	0	0	0	0	0	1
5286_5286	5286	5286	0	0	0	0	0	0	1
5286_5287	5286	5287	0	0	0	0	0	0	1
5287_5287	5287	5287	0	0	0	0	0	0	1
5287_5288	5287	5288	0	0	0	0	0	0	1
5288_5288	5288	5288	0	0	0	0	0	0	1
5288_5289	5288	5289	0	0	0	0	0	0	1
5289_5289	5289	5289	0	0	0	0	0	0	1
5289_5290	5289	5290	0	0	0	0	0	0	1.02
5290_5290	5290	5290	0	0	0	0	0	0	1.02
5290_5291	5290	5291	0	0	0	0	0	0	1.02
5291_5291	5291	5291	0	0	0	0	0	0	1.02
5291_5292	5291	5292	0	0	0	0	0	0	1.03
5292_5292	5292	5292	0	0	0	0	0	0	1.03
5292_5293	5292	5293	0	0	0	0	0	0	1.05
5293_5293	5293	5293	0	0	0	0	0	0	1.05
5293_5294	5293	5294	0	0	0	0	0	0	1.14
5294_5294	5294	5294	0	0	0	0	0	0	1.14
5294_5295	5294	5295	0	0	0	0	0	0	1
5295_5295	5295	5295	0	0	0	0	0	0	1
5295_5296	5295	5296	0	0	0	0	0	0	1
5296_5296	5296	5296	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5296_5297	5296	5297	0	0	0	0	0	0	1
5297_5297	5297	5297	0	0	0	0	0	0	1
5297_5298	5297	5298	0	0	0	0	0	0	1
5298_5298	5298	5298	0	0	0	0	0	0	1
5298_5299	5298	5299	0	0	0	0	0	0	1
5299_5299	5299	5299	0	0	0	0	0	0	1
5299_5300	5299	5300	0	0	0	0	0	0	1
5300_5300	5300	5300	0	0	0	0	0	0	1
5300_5301	5300	5301	0	0	0	0	0	0	1
5301_5301	5301	5301	0	0	0	0	0	0	1
5301_5302	5301	5302	0	0	0	0	0	0	1
5302_5302	5302	5302	0	0	0	0	0	0	1
5302_5303	5302	5303	0	0	0	0	0	0	1
5303_5303	5303	5303	0	0	0	0	0	0	1
5303_5304	5303	5304	0	0	0	0	0	0	1
5304_5304	5304	5304	0	0	0	0	0	0	1
5304_5305	5304	5305	0	0	0	0	0	0	1
5305_5305	5305	5305	0	0	0	0	0	0	1
5305_5306	5305	5306	0	0	0	0	0	0	1
5306_5306	5306	5306	0	0	0	0	0	0	1
5306_5307	5306	5307	0	0	0	0	0	0	1
5307_5307	5307	5307	0	0	0	0	0	0	1
5307_5308	5307	5308	0	0	0	0	0	0	1
5308_5308	5308	5308	0	0	0	0	0	0	1
5308_5309	5308	5309	0	0	0	0	0	0	1
5309_5309	5309	5309	0	0	0	0	0	0	1
5309_5310	5309	5310	0	0	0	0	0	0	1
5310_5310	5310	5310	0	0	0	0	0	0	1
5310_5311	5310	5311	0	0	0	0	0	0	1
5311_5311	5311	5311	0	0	0	0	0	0	1
5311_5312	5311	5312	0	0	0	0	0	0	1
5312_5312	5312	5312	0	0	0	0	0	0	1
5312_5313	5312	5313	0	0	0	0	0	0	1
5400_5020	5400	5020	0	0	0	0	0	0	1.02
5400_5401	5400	5401	0	0	0	0	0	0	1
5401_5401	5401	5401	0	0	0	0	0	0	1
5401_5402	5401	5402	0	0	0	0	0	0	1
5402_5402	5402	5402	0	0	0	0	0	0	1
5402_5403	5402	5403	0	0	0	0	0	0	1
5403_5403	5403	5403	0	0	0	0	0	0	1
5403_5404	5403	5404	0	0	0	0	0	0	1
5404_5404	5404	5404	0	0	0	0	0	0	1
5404_5405	5404	5405	0	0	0	0	0	0	1
5405_5405	5405	5405	0	0	0	0	0	0	1
5405_5406	5405	5406	0	0	0	0	0	0	1
5406_5406	5406	5406	0	0	0	0	0	0	1
5406_5407	5406	5407	0	0	0	0	0	0	1
5407_5407	5407	5407	0	0	0	0	0	0	1
5407_5408	5407	5408	0	0	0	0	0	0	1
5408_5408	5408	5408	0	0	0	0	0	0	1
5408_5409	5408	5409	0	0	0	0	0	0	1
5409_5409	5409	5409	0	0	0	0	0	0	1
5409_5410	5409	5410	0	0	0	0	0	0	1
5410_5410	5410	5410	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5410_5411	5410	5411	0	0	0	0	0	0	1
5411_5411	5411	5411	0	0	0	0	0	0	1
5411_5412	5411	5412	0	0	0	0	0	0	1
5412_5412	5412	5412	0	0	0	0	0	0	1
5412_5413	5412	5413	0	0	0	0	0	0	1
5413_5413	5413	5413	0	0	0	0	0	0	1
5413_5414	5413	5414	0	0	0	0	0	0	1
5414_5414	5414	5414	0	0	0	0	0	0	1
5414_5415	5414	5415	0	0	0	0	0	0	1
5415_5415	5415	5415	0	0	0	0	0	0	1
5415_5416	5415	5416	0	0	0	0	0	0	1
5416_5416	5416	5416	0	0	0	0	0	0	1
5416_5417	5416	5417	0	0	0	0	0	0	1
5417_5417	5417	5417	0	0	0	0	0	0	1
5417_5036	5417	5036	0	0	0	0	0	0	1.01
5420_5056	5420	5056	0	0	0	0	0	0	1.01
5420_5421	5420	5421	0	0	0	0	0	0	1
5421_5421	5421	5421	0	0	0	0	0	0	1
5421_5422	5421	5422	0	0	0	0	0	0	1
5422_5422	5422	5422	0	0	0	0	0	0	1
5422_5423	5422	5423	0	0	0	0	0	0	1
5423_5423	5423	5423	0	0	0	0	0	0	1
5423_5424	5423	5424	0	0	0	0	0	0	1
5424_5424	5424	5424	0	0	0	0	0	0	1
5424_5425	5424	5425	0	0	0	0	0	0	1
5425_5425	5425	5425	0	0	0	0	0	0	1
5425_5426	5425	5426	0	0	0	0	0	0	1
5426_5426	5426	5426	0	0	0	0	0	0	1
5426_5427	5426	5427	0	0	0	0	0	0	1
5427_5427	5427	5427	0	0	0	0	0	0	1
5427_5428	5427	5428	0	0	0	0	0	0	1
5428_5428	5428	5428	0	0	0	0	0	0	1
5428_5429	5428	5429	0	0	0	0	0	0	1
5429_5429	5429	5429	0	0	0	0	0	0	1
5429_5430	5429	5430	0	0	0	0	0	0	1
5430_5430	5430	5430	0	0	0	0	0	0	1
5430_5431	5430	5431	0	0	0	0	0	0	1
5431_5431	5431	5431	0	0	0	0	0	0	1
5431_5432	5431	5432	0	0	0	0	0	0	1
5432_5432	5432	5432	0	0	0	0	0	0	1
5432_5433	5432	5433	0	0	0	0	0	0	1
5433_5433	5433	5433	0	0	0	0	0	0	1
5433_5434	5433	5434	0	0	0	0	0	0	1
5434_5434	5434	5434	0	0	0	0	0	0	1
5434_5435	5434	5435	0	0	0	0	0	0	1
5435_5435	5435	5435	0	0	0	0	0	0	1
5435_5436	5435	5436	0	0	0	0	0	0	1
5436_5436	5436	5436	0	0	0	0	0	0	1
5436_5437	5436	5437	0	0	0	0	0	0	1
5437_5437	5437	5437	0	0	0	0	0	0	1
5437_5072	5437	5072	0	0	0	0	0	0	1.01
5440_5094	5440	5094	0	0	0	0	0	0	1
5440_5441	5440	5441	0	0	0	0	0	0	1
5441_5441	5441	5441	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5441_5442	5441	5442	0	0	0	0	0	0	1
5442_5442	5442	5442	0	0	0	0	0	0	1
5442_5443	5442	5443	0	0	0	0	0	0	1
5443_5443	5443	5443	0	0	0	0	0	0	1
5443_5444	5443	5444	0	0	0	0	0	0	1
5444_5444	5444	5444	0	0	0	0	0	0	1
5444_5445	5444	5445	0	0	0	0	0	0	1
5445_5445	5445	5445	0	0	0	0	0	0	1
5445_5446	5445	5446	0	0	0	0	0	0	1
5446_5446	5446	5446	0	0	0	0	0	0	1
5446_5447	5446	5447	0	0	0	0	0	0	1
5447_5447	5447	5447	0	0	0	0	0	0	1
5447_5448	5447	5448	0	0	0	0	0	0	1
5448_5448	5448	5448	0	0	0	0	0	0	1
5448_5449	5448	5449	0	0	0	0	0	0	1
5449_5449	5449	5449	0	0	0	0	0	0	1
5449_5450	5449	5450	0	0	0	0	0	0	1
5450_5450	5450	5450	0	0	0	0	0	0	1
5450_5451	5450	5451	0	0	0	0	0	0	1
5451_5451	5451	5451	0	0	0	0	0	0	1
5451_5452	5451	5452	0	0	0	0	0	0	1
5452_5452	5452	5452	0	0	0	0	0	0	1
5452_5453	5452	5453	0	0	0	0	0	0	1
5453_5453	5453	5453	0	0	0	0	0	0	1
5453_5454	5453	5454	0	0	0	0	0	0	1
5454_5454	5454	5454	0	0	0	0	0	0	1
5454_5455	5454	5455	0	0	0	0	0	0	1
5455_5455	5455	5455	0	0	0	0	0	0	1
5455_5456	5455	5456	0	0	0	0	0	0	1
5456_5456	5456	5456	0	0	0	0	0	0	1
5456_5457	5456	5457	0	0	0	0	0	0	1
5457_5457	5457	5457	0	0	0	0	0	0	1
5457_5110	5457	5110	0	0	0	0	0	0	1.01
5460_5132	5460	5132	0	0	0	0	0	0	1.03
5460_5461	5460	5461	0	0	0	0	0	0	1
5461_5461	5461	5461	0	0	0	0	0	0	1
5461_5462	5461	5462	0	0	0	0	0	0	1
5462_5462	5462	5462	0	0	0	0	0	0	1
5462_5463	5462	5463	0	0	0	0	0	0	1
5463_5463	5463	5463	0	0	0	0	0	0	1
5463_5464	5463	5464	0	0	0	0	0	0	1
5464_5464	5464	5464	0	0	0	0	0	0	1
5464_5465	5464	5465	0	0	0	0	0	0	1
5465_5465	5465	5465	0	0	0	0	0	0	1
5465_5466	5465	5466	0	0	0	0	0	0	1
5466_5466	5466	5466	0	0	0	0	0	0	1
5466_5467	5466	5467	0	0	0	0	0	0	1
5467_5467	5467	5467	0	0	0	0	0	0	1
5467_5468	5467	5468	0	0	0	0	0	0	1
5468_5468	5468	5468	0	0	0	0	0	0	1
5468_5469	5468	5469	0	0	0	0	0	0	1
5469_5469	5469	5469	0	0	0	0	0	0	1
5469_5470	5469	5470	0	0	0	0	0	0	1
5470_5470	5470	5470	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5470_5471	5470	5471	0	0	0	0	0	0	1
5471_5471	5471	5471	0	0	0	0	0	0	1
5471_5472	5471	5472	0	0	0	0	0	0	1
5472_5472	5472	5472	0	0	0	0	0	0	1
5472_5473	5472	5473	0	0	0	0	0	0	1
5473_5473	5473	5473	0	0	0	0	0	0	1
5473_5474	5473	5474	0	0	0	0	0	0	1
5474_5474	5474	5474	0	0	0	0	0	0	1
5474_5475	5474	5475	0	0	0	0	0	0	1
5475_5475	5475	5475	0	0	0	0	0	0	1
5475_5476	5475	5476	0	0	0	0	0	0	1
5476_5476	5476	5476	0	0	0	0	0	0	1
5476_5477	5476	5477	0	0	0	0	0	0	1
5477_5477	5477	5477	0	0	0	0	0	0	1
5477_5148	5477	5148	0	0	0	0	0	0	1
5480_5168	5480	5168	0	0	0	0	0	0	1
5480_5481	5480	5481	0	0	0	0	0	0	1
5481_5481	5481	5481	0	0	0	0	0	0	1
5481_5482	5481	5482	0	0	0	0	0	0	1
5482_5482	5482	5482	0	0	0	0	0	0	1
5482_5483	5482	5483	0	0	0	0	0	0	1
5483_5483	5483	5483	0	0	0	0	0	0	1
5483_5484	5483	5484	0	0	0	0	0	0	1
5484_5484	5484	5484	0	0	0	0	0	0	1
5484_5485	5484	5485	0	0	0	0	0	0	1
5485_5485	5485	5485	0	0	0	0	0	0	1
5485_5486	5485	5486	0	0	0	0	0	0	1
5486_5486	5486	5486	0	0	0	0	0	0	1
5486_5487	5486	5487	0	0	0	0	0	0	1
5487_5487	5487	5487	0	0	0	0	0	0	1
5487_5488	5487	5488	0	0	0	0	0	0	1
5488_5488	5488	5488	0	0	0	0	0	0	1
5488_5489	5488	5489	0	0	0	0	0	0	1
5489_5489	5489	5489	0	0	0	0	0	0	1
5489_5490	5489	5490	0	0	0	0	0	0	1
5490_5490	5490	5490	0	0	0	0	0	0	1
5490_5491	5490	5491	0	0	0	0	0	0	1
5491_5491	5491	5491	0	0	0	0	0	0	1
5491_5492	5491	5492	0	0	0	0	0	0	1
5492_5492	5492	5492	0	0	0	0	0	0	1
5492_5493	5492	5493	0	0	0	0	0	0	1
5493_5493	5493	5493	0	0	0	0	0	0	1
5493_5494	5493	5494	0	0	0	0	0	0	1
5494_5494	5494	5494	0	0	0	0	0	0	1
5494_5495	5494	5495	0	0	0	0	0	0	1
5495_5495	5495	5495	0	0	0	0	0	0	1
5495_5496	5495	5496	0	0	0	0	0	0	1
5496_5496	5496	5496	0	0	0	0	0	0	1
5496_5497	5496	5497	0	0	0	0	0	0	1
5497_5497	5497	5497	0	0	0	0	0	0	1
5497_5184	5497	5184	0	0	0	0	0	0	1.02
5500_5204	5500	5204	0	0	0	0	0	0	1.01
5500_5501	5500	5501	0	0	0	0	0	0	1
5501_5501	5501	5501	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5501_5502	5501	5502	0	0	0	0	0	0	1
5502_5502	5502	5502	0	0	0	0	0	0	1
5502_5503	5502	5503	0	0	0	0	0	0	1
5503_5503	5503	5503	0	0	0	0	0	0	1
5503_5504	5503	5504	0	0	0	0	0	0	1
5504_5504	5504	5504	0	0	0	0	0	0	1
5504_5505	5504	5505	0	0	0	0	0	0	1
5505_5505	5505	5505	0	0	0	0	0	0	1
5505_5506	5505	5506	0	0	0	0	0	0	1
5506_5506	5506	5506	0	0	0	0	0	0	1
5506_5507	5506	5507	0	0	0	0	0	0	1
5507_5507	5507	5507	0	0	0	0	0	0	1
5507_5508	5507	5508	0	0	0	0	0	0	1
5508_5508	5508	5508	0	0	0	0	0	0	1
5508_5509	5508	5509	0	0	0	0	0	0	1
5509_5509	5509	5509	0	0	0	0	0	0	1
5509_5510	5509	5510	0	0	0	0	0	0	1
5510_5510	5510	5510	0	0	0	0	0	0	1
5510_5511	5510	5511	0	0	0	0	0	0	1
5511_5511	5511	5511	0	0	0	0	0	0	1
5511_5512	5511	5512	0	0	0	0	0	0	1
5512_5512	5512	5512	0	0	0	0	0	0	1
5512_5513	5512	5513	0	0	0	0	0	0	1
5513_5513	5513	5513	0	0	0	0	0	0	1
5513_5514	5513	5514	0	0	0	0	0	0	1
5514_5514	5514	5514	0	0	0	0	0	0	1
5514_5515	5514	5515	0	0	0	0	0	0	1
5515_5515	5515	5515	0	0	0	0	0	0	1
5515_5516	5515	5516	0	0	0	0	0	0	1
5516_5516	5516	5516	0	0	0	0	0	0	1
5516_5517	5516	5517	0	0	0	0	0	0	1
5517_5517	5517	5517	0	0	0	0	0	0	1
5517_5220	5517	5220	0	0	0	0	0	0	1
5520_5240	5520	5240	0	0	0	0	0	0	1
5520_5521	5520	5521	0	0	0	0	0	0	1
5521_5521	5521	5521	0	0	0	0	0	0	1
5521_5522	5521	5522	0	0	0	0	0	0	1
5522_5522	5522	5522	0	0	0	0	0	0	1
5522_5523	5522	5523	0	0	0	0	0	0	1
5523_5523	5523	5523	0	0	0	0	0	0	1
5523_5524	5523	5524	0	0	0	0	0	0	1
5524_5524	5524	5524	0	0	0	0	0	0	1
5524_5525	5524	5525	0	0	0	0	0	0	1
5525_5525	5525	5525	0	0	0	0	0	0	1
5525_5526	5525	5526	0	0	0	0	0	0	1
5526_5526	5526	5526	0	0	0	0	0	0	1
5526_5527	5526	5527	0	0	0	0	0	0	1
5527_5527	5527	5527	0	0	0	0	0	0	1
5527_5528	5527	5528	0	0	0	0	0	0	1
5528_5528	5528	5528	0	0	0	0	0	0	1
5528_5529	5528	5529	0	0	0	0	0	0	1
5529_5529	5529	5529	0	0	0	0	0	0	1
5529_5530	5529	5530	0	0	0	0	0	0	1
5530_5530	5530	5530	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5530_5531	5530	5531	0	0	0	0	0	0	1
5531_5531	5531	5531	0	0	0	0	0	0	1
5531_5532	5531	5532	0	0	0	0	0	0	1
5532_5532	5532	5532	0	0	0	0	0	0	1
5532_5533	5532	5533	0	0	0	0	0	0	1
5533_5533	5533	5533	0	0	0	0	0	0	1
5533_5534	5533	5534	0	0	0	0	0	0	1
5534_5534	5534	5534	0	0	0	0	0	0	1
5534_5535	5534	5535	0	0	0	0	0	0	1
5535_5535	5535	5535	0	0	0	0	0	0	1
5535_5536	5535	5536	0	0	0	0	0	0	1
5536_5536	5536	5536	0	0	0	0	0	0	1
5536_5537	5536	5537	0	0	0	0	0	0	1
5537_5537	5537	5537	0	0	0	0	0	0	1
5537_5254	5537	5254	0	0	0	0	0	0	1
5540_5278	5540	5278	0	0	0	0	0	0	1.02
5540_5541	5540	5541	0	0	0	0	0	0	1
5541_5541	5541	5541	0	0	0	0	0	0	1
5541_5542	5541	5542	0	0	0	0	0	0	1
5542_5542	5542	5542	0	0	0	0	0	0	1
5542_5543	5542	5543	0	0	0	0	0	0	1
5543_5543	5543	5543	0	0	0	0	0	0	1
5543_5544	5543	5544	0	0	0	0	0	0	1
5544_5544	5544	5544	0	0	0	0	0	0	1
5544_5545	5544	5545	0	0	0	0	0	0	1
5545_5545	5545	5545	0	0	0	0	0	0	1
5545_5546	5545	5546	0	0	0	0	0	0	1
5546_5546	5546	5546	0	0	0	0	0	0	1
5546_5547	5546	5547	0	0	0	0	0	0	1
5547_5547	5547	5547	0	0	0	0	0	0	1
5547_5548	5547	5548	0	0	0	0	0	0	1
5548_5548	5548	5548	0	0	0	0	0	0	1
5548_5549	5548	5549	0	0	0	0	0	0	1
5549_5549	5549	5549	0	0	0	0	0	0	1
5549_5550	5549	5550	0	0	0	0	0	0	1
5550_5550	5550	5550	0	0	0	0	0	0	1
5550_5551	5550	5551	0	0	0	0	0	0	1
5551_5551	5551	5551	0	0	0	0	0	0	1
5551_5552	5551	5552	0	0	0	0	0	0	1
5552_5552	5552	5552	0	0	0	0	0	0	1
5552_5553	5552	5553	0	0	0	0	0	0	1
5553_5553	5553	5553	0	0	0	0	0	0	1
5553_5554	5553	5554	0	0	0	0	0	0	1
5554_5554	5554	5554	0	0	0	0	0	0	1
5554_5555	5554	5555	0	0	0	0	0	0	1
5555_5555	5555	5555	0	0	0	0	0	0	1
5555_5556	5555	5556	0	0	0	0	0	0	1
5556_5556	5556	5556	0	0	0	0	0	0	1
5556_5557	5556	5557	0	0	0	0	0	0	1
5557_5557	5557	5557	0	0	0	0	0	0	1
5557_5290	5557	5290	0	0	0	0	0	0	1.02
45000_5000	45000	5000	-1.227	6.536	3.899	0.481	0	-12.248	1
45000_5001	45000	5001	1.227	-6.537	-3.899	-0.481	-49.607	95.414	1
45001_5001	45001	5001	-1.221	6.537	3.901	0.352	49.607	-95.415	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
45001_5002	45001	5002	1.221	-6.537	-3.901	-0.352	-88.169	160.037	1
45002_5002	45002	5002	-1.265	3.388	-4.096	0.988	88.169	-160.05	1
45002_5003	45002	5003	1.265	-3.388	4.096	-0.988	-38.427	201.2	1
45003_5003	45003	5003	-1.272	3.388	-4.094	0.681	38.427	-201.202	1
45003_5004	45003	5004	1.272	-3.389	4.094	-0.681	11.24	242.309	1
45004_5004	45004	5004	-1.247	4.052	0.593	0.637	-11.24	-242.343	1
45004_5005	45004	5005	1.247	-4.052	-0.593	-0.637	4.044	291.536	1
45005_5005	45005	5005	-1.246	4.052	0.594	0.368	-4.044	-291.537	1
45005_5006	45005	5006	1.246	-4.053	-0.594	-0.368	-3.17	340.766	1
45006_5006	45006	5006	-1.249	3.511	-0.208	0.625	3.17	-340.736	1
45006_5007	45006	5007	1.249	-3.51	0.208	-0.625	-0.641	383.339	1
45007_5007	45007	5007	-1.25	3.51	-0.206	-0.002	0.641	-383.339	1
45007_5008	45007	5008	1.25	-3.511	0.206	0.002	1.863	425.933	1
45008_5008	45008	5008	-1.247	3.217	0.326	0.427	-1.863	-425.995	1
45008_5009	45008	5009	1.247	-3.218	-0.326	-0.427	-2.093	465.068	1
45009_5009	45009	5009	-1.246	3.218	0.328	-0.334	2.093	-465.068	1
45009_5010	45009	5010	1.246	-3.218	-0.328	0.334	-6.073	504.133	1
45010_5010	45010	5010	-1.247	2.779	-0.002	-0.176	6.073	-504.088	1
45010_5011	45010	5011	1.247	-2.778	0.002	0.176	-6.044	537.813	1
45011_5011	45011	5011	-1.247	2.778	-0.002	-0.176	6.044	-537.813	1
45011_5012	45011	5012	1.247	-2.779	0.002	0.176	-6.015	571.538	1
45012_5012	45012	5012	-1.249	1.391	-0.266	-0.155	6.015	-571.54	1
45012_5013	45012	5013	1.249	-1.391	0.266	0.155	-2.777	588.43	1
45013_5013	45013	5013	-1.249	1.391	-0.266	-0.579	2.777	-588.43	1
45013_5014	45013	5014	1.249	-1.391	0.266	0.579	0.447	605.305	1
45014_5014	45014	5014	-1.244	2.747	0.641	-0.084	-0.447	-605.32	1
45014_5015	45014	5015	1.244	-2.747	-0.641	0.084	-9.904	649.682	1
45015_5015	45015	5015	-1.268	2.736	0.642	-0.996	9.896	-650.372	1
45015_5016	45015	5016	1.267	-2.736	-0.642	0.996	-15.194	672.958	1
45016_5016	45016	5016	-2.169	-1.538	-0.271	-0.325	6.127	66.007	1
45016_5017	45016	5017	2.169	1.538	0.271	0.325	-2.94	-84.068	1.06
45017_5017	45017	5017	-2.131	-1.589	-0.269	-0.347	2.934	84.289	1.06
45017_5018	45017	5018	2.13	1.59	0.269	0.347	0.64	-105.402	1.03
45018_5018	45018	5018	-2.046	-2.367	0.201	-0.43	-0.656	105.429	1.03
45018_5019	45018	5019	2.047	2.367	-0.201	0.43	-1.862	-135.067	1.02
45019_5019	45019	5019	-1.984	-2.42	0.203	-0.348	1.863	135.067	1.02
45019_5020	45019	5020	1.984	2.42	-0.203	0.348	-4.418	-165.478	1.02
45020_5020	45020	5020	-28.159	-3.721	-0.802	-0.288	19.577	20.627	1.02
45020_5021	45020	5021	28.159	3.721	0.802	0.288	-11.962	-55.958	1
45021_5021	45021	5021	-28.159	-3.721	-0.797	-0.085	11.962	49.155	1
45021_5022	45021	5022	28.159	3.72	0.797	0.085	-5.776	-78.01	1
45022_5022	45022	5022	-28.16	-3.72	-0.766	0.003	5.776	78.009	1
45022_5023	45022	5023	28.16	3.721	0.766	-0.003	0.151	-106.824	1
45023_5023	45023	5023	-28.156	-2.931	-0.188	-0.196	-0.151	106.825	1
45023_5024	45023	5024	28.156	2.931	0.188	0.196	1.656	-130.289	1
45024_5024	45024	5024	-28.155	-2.931	-0.226	-0.375	-1.656	130.289	1
45024_5025	45024	5025	28.155	2.932	0.226	0.375	3.467	-153.728	1
45025_5025	45025	5025	-28.157	-2.932	-0.153	0.028	-3.467	153.728	1
45025_5026	45025	5026	28.157	2.931	0.153	-0.028	4.692	-177.19	1
45026_5026	45026	5026	-28.156	-1.97	-0.145	-0.231	-4.692	177.191	1
45026_5027	45026	5027	28.156	1.97	0.145	0.231	5.565	-189.018	1
45027_5027	45027	5027	-28.157	-1.97	-0.151	-0.263	-5.565	189.018	1
45027_5028	45027	5028	28.157	1.97	0.151	0.263	6.466	-200.825	1
45028_5028	45028	5028	-28.156	-1.97	-0.145	-0.228	-6.466	200.825	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
45028_5029	45028	5029	28.156	1.971	0.145	0.228	7.34	-212.652	1
45029_5029	45029	5029	-28.157	-1.971	-0.099	0.124	-7.34	212.652	1
45029_5030	45029	5030	28.157	1.97	0.099	-0.124	7.934	-224.477	1
45030_5030	45030	5030	-28.157	-1.036	-0.037	-0.322	-7.934	224.48	1
45030_5031	45030	5031	28.157	1.035	0.037	0.322	8.232	-232.768	1
45031_5031	45031	5031	-28.157	-1.035	-0.002	-0.033	-8.232	232.769	1
45031_5032	45031	5032	28.157	1.036	0.002	0.033	8.249	-241.056	1
45032_5032	45032	5032	-28.157	-1.036	-0.002	-0.033	-8.249	241.056	1
45032_5033	45032	5033	28.157	1.036	0.002	0.033	8.267	-249.343	1
45033_5033	45033	5033	-28.155	-0.384	0.254	-0.248	-8.267	249.35	1
45033_5034	45033	5034	28.155	0.383	-0.254	0.248	6.298	-252.32	1
45034_5034	45034	5034	-28.155	-0.383	0.254	-0.248	-6.298	252.32	1
45034_5035	45034	5035	28.155	0.384	-0.254	0.248	4.331	-255.289	1
45035_5035	45035	5035	-28.154	-0.384	0.282	0.079	-4.331	262.448	1
45035_5036	45035	5036	28.154	0.383	-0.282	-0.079	1.657	-266.08	1.01
45036_5036	45036	5036	-16.989	1.333	0.152	-0.478	-4.79	334.846	1.01
45036_5037	45036	5037	16.989	-1.332	-0.152	0.478	2.882	-318.068	1.02
45037_5037	45037	5037	-17.018	0.89	0.19	0.306	-2.947	318.068	1.02
45037_5038	45037	5038	17.018	-0.89	-0.19	-0.306	0.571	-306.907	1.02
45038_5038	45038	5038	-17.086	-0.286	-0.158	-1.372	-0.478	306.958	1.02
45038_5039	45038	5039	17.087	0.286	0.158	1.372	2.585	-310.747	1.03
45039_5039	45039	5039	-35.138	81.519	0.001	15.719	-5.298	11733.66	1.03
45039_5040	45039	5040	35.138	-81.519	-0.001	-15.719	5.296	-10775.5	1.05
45040_5040	45040	5040	-36.568	73.11	0.469	-4.668	-4.85	10776.08	1.05
45040_5041	45040	5041	36.568	-73.109	-0.469	4.668	0.982	-10173.3	1.07
45041_5041	45041	5041	-37.209	72.786	0.495	2.011	-1.023	10162.7	1.07
45041_5042	45041	5042	37.209	-72.785	-0.495	-2.011	-6.747	-9018.21	1
45042_5042	45042	5042	-37.216	69.944	-0.595	0.056	6.747	9018.345	1
45042_5043	45042	5043	37.216	-69.943	0.595	-0.056	0.35	-8184.17	1
45043_5043	45043	5043	-37.216	69.943	-0.595	0.056	-0.35	8184.173	1
45043_5044	45043	5044	37.216	-69.944	0.595	-0.056	7.448	-7350	1
45044_5044	45044	5044	-37.212	70.03	0.14	0.595	-7.448	7350.131	1
45044_5045	45044	5045	37.212	-70.03	-0.14	-0.595	5.778	-6514.42	1
45045_5045	45045	5045	-37.212	70.03	0.137	0.128	-5.778	6514.415	1
45045_5046	45045	5046	37.212	-70.03	-0.137	-0.128	4.141	-5679.4	1
45046_5046	45046	5046	-37.213	69.936	-0.054	-3.331	-4.141	5679.469	1
45046_5047	45046	5047	37.213	-69.936	0.054	3.331	4.789	-4844.99	1
45047_5047	45047	5047	-37.214	69.936	0.005	4.428	-4.789	4844.991	1
45047_5048	45047	5048	37.214	-69.936	-0.005	-4.428	4.725	-4011.33	1
45048_5048	45048	5048	-37.215	69.587	-0.113	-1.966	-4.725	4011.365	1
45048_5049	45048	5049	37.215	-69.587	0.113	1.966	6.073	-3181.23	1
45049_5049	45049	5049	-37.214	69.587	-0.051	3.35	-6.073	3181.225	1
45049_5050	45049	5050	37.214	-69.587	0.051	-3.35	6.679	-2351.2	1
45050_5050	45050	5050	-37.217	70.203	0.101	0.148	-6.679	2351.191	1
45050_5051	45050	5051	37.217	-70.203	-0.101	-0.148	5.097	-1248.37	1.15
45051_5051	45051	5051	-37.805	69.888	0.154	1.966	-5.081	1252.039	1.15
45051_5052	45051	5052	37.805	-69.888	-0.154	-1.966	3.816	-675.103	1.06
45052_5052	45052	5052	-38.839	66.017	0.166	0.758	-3.815	675.103	1.06
45052_5053	45052	5053	38.839	-66.017	-0.166	-0.758	1.866	100.474	1.03
45053_5053	45053	5053	-42.946	70.642	0.237	0.564	-10.028	-577.301	1.03
45053_5054	45053	5054	42.946	-70.643	-0.237	-0.564	6.881	1514.264	1.02
45054_5054	45054	5054	-44.689	69.728	0.176	2.646	-6.721	-1514.28	1.02
45054_5055	45054	5055	44.689	-69.728	-0.176	-2.646	4.518	2388.641	1.01
45055_5055	45055	5055	-46.485	68.543	0.239	-1.029	-4.831	-2388.64	1.01

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
45055_5056	45055	5056	46.485	-68.543	-0.239	1.029	1.835	3250.007	1.01
45056_5056	45056	5056	179.986	16.884	2.316	0.894	-73.62	61.838	1.01
45056_5057	45056	5057	-179.986	-16.883	-2.316	-0.894	51.631	98.446	1
45057_5057	45057	5057	179.984	16.883	2.388	0.805	-51.631	-88.767	1
45057_5058	45057	5058	-179.984	-16.883	-2.388	-0.805	33.123	219.605	1
45058_5058	45058	5058	179.987	16.883	2.156	0.521	-33.123	-219.606	1
45058_5059	45058	5059	-179.987	-16.883	-2.156	-0.521	16.414	350.432	1
45059_5059	45059	5059	179.986	17.456	1.085	1.571	-16.414	-350.433	1
45059_5060	45059	5060	-179.986	-17.457	-1.085	-1.571	7.727	490.253	1
45060_5060	45060	5060	179.988	17.457	0.652	0.39	-7.727	-490.255	1
45060_5061	45060	5061	-179.988	-17.456	-0.652	-0.39	2.518	629.877	1
45061_5061	45061	5061	179.988	17.456	0.652	0.39	-2.518	-629.877	1
45061_5062	45061	5062	-179.988	-17.457	-0.652	-0.39	-2.692	769.499	1
45062_5062	45062	5062	179.991	18.49	1.02	1.529	2.692	-769.508	1
45062_5063	45062	5063	-179.991	-18.49	-1.02	-1.529	-8.818	880.509	1
45063_5063	45063	5063	179.991	18.49	1.04	1.627	8.818	-880.508	1
45063_5064	45063	5064	-179.991	-18.49	-1.04	-1.627	-15.055	991.325	1
45064_5064	45064	5064	179.993	18.49	0.722	-0.131	15.055	-991.325	1
45064_5065	45064	5065	-179.993	-18.49	-0.722	0.131	-19.385	1102.314	1
45065_5065	45065	5065	179.993	18.49	0.722	-0.131	19.385	-1102.31	1
45065_5066	45065	5066	-179.993	-18.49	-0.722	0.131	-23.715	1213.302	1
45066_5066	45066	5066	179.996	19.252	0.614	1.352	23.715	-1213.32	1
45066_5067	45066	5067	-179.996	-19.252	-0.614	-1.352	-28.621	1367.266	1
45067_5067	45067	5067	179.996	19.252	0.614	1.352	28.621	-1367.27	1
45067_5068	45067	5068	-179.996	-19.252	-0.614	-1.352	-33.526	1521.21	1
45068_5068	45068	5068	179.997	19.252	0.375	-0.666	33.526	-1521.21	1
45068_5069	45068	5069	-179.997	-19.252	-0.375	0.666	-36.525	1675.335	1
45069_5069	45069	5069	179.996	20.29	0.859	2.73	36.525	-1675.37	1
45069_5070	45069	5070	-179.996	-20.29	-0.859	-2.73	-43.177	1832.512	1
45070_5070	45070	5070	179.998	20.29	0.613	0.225	43.177	-1832.51	1
45070_5071	45070	5071	-179.998	-20.289	-0.613	-0.225	-47.93	1989.846	1
45071_5071	45071	5071	179.998	20.289	0.505	-0.921	47.93	-2003.43	1
45071_5072	45071	5072	-179.998	-20.29	-0.505	0.921	-52.734	2196.119	1.01
45072_5072	45072	5072	-36.701	-26.759	-0.032	5.231	22.229	-5820.75	1.01
45072_5073	45072	5073	36.701	26.759	0.032	-5.231	-21.823	5484.496	1.01
45073_5073	45073	5073	-35.993	-27.704	0.022	-4.074	22.608	-5484.49	1.01
45073_5074	45073	5074	35.993	27.705	-0.022	4.074	-22.879	5137.188	1.01
45074_5074	45074	5074	-35.408	-30.655	-0.566	3.158	22.381	-5137.36	1.01
45074_5075	45074	5075	35.407	30.656	0.566	-3.158	-14.867	4730.631	1.03
45075_5075	45075	5075	-27.956	50.066	0.198	12.563	26.157	7641.896	1.03
45075_5076	45075	5076	27.957	-50.066	-0.198	-12.563	-28.492	-7053.57	1.03
45076_5076	45076	5076	-28.832	41.6	-0.181	-4.893	28.834	7053.86	1.03
45076_5077	45076	5077	28.832	-41.6	0.181	4.893	-27.344	-6710.55	1
45077_5077	45077	5077	-29.182	41.355	-0.144	3.126	27.302	6721	1
45077_5078	45077	5078	29.182	-41.356	0.144	-3.126	-25.242	-6131.26	1
45078_5078	45078	5078	-29.185	40.164	-0.377	-4.989	25.242	6131.325	1
45078_5079	45078	5079	29.185	-40.165	0.377	4.989	-21.012	-5680.88	1
45079_5079	45079	5079	-29.186	40.165	-0.325	5.129	21.012	5680.878	1
45079_5080	45079	5080	29.186	-40.164	0.325	-5.129	-17.366	-5230.47	1
45080_5080	45080	5080	-29.185	39.667	-0.137	-4.254	17.366	5230.525	1
45080_5081	45080	5081	29.185	-39.668	0.137	4.254	-15.82	-4785.69	1
45081_5081	45081	5081	-29.185	39.668	-0.086	4.272	15.82	4785.694	1
45081_5082	45081	5082	29.185	-39.668	0.086	-4.272	-14.858	-4340.9	1
45082_5082	45082	5082	-29.186	38.978	-0.203	0.002	14.858	4341.048	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
45082_5083	45082	5083	29.186	-38.978	0.203	-0.002	-12.419	-3871.63	1
45083_5083	45083	5083	-29.186	38.978	-0.202	0.151	12.419	3871.63	1
45083_5084	45083	5084	29.186	-38.978	0.202	-0.151	-9.99	-3401.82	1
45084_5084	45084	5084	-29.187	38.581	-0.209	-2.547	9.99	3401.877	1
45084_5085	45084	5085	29.187	-38.581	0.209	2.547	-7.643	-2969.34	1
45085_5085	45085	5085	-29.187	38.581	-0.158	2.745	7.643	2969.339	1
45085_5086	45085	5086	29.187	-38.581	0.158	-2.745	-5.88	-2536.84	1
45086_5086	45086	5086	-29.188	37.813	-0.202	-1.86	5.88	2536.817	1
45086_5087	45086	5087	29.188	-37.814	0.202	1.86	-3.616	-2112.92	1
45087_5087	45087	5087	-29.188	37.814	-0.149	1.983	3.616	2112.919	1
45087_5088	45087	5088	29.188	-37.813	0.149	-1.983	-1.946	-1688.67	1
45088_5088	45088	5088	-29.186	38.32	-0.109	-0.467	1.946	1688.738	1
45088_5089	45088	5089	29.186	-38.32	0.109	0.467	-0.451	-1162.95	1.08
45089_5089	45089	5089	-29.516	38.067	-0.072	1.031	0.46	1157.41	1.08
45089_5090	45089	5090	29.516	-38.066	0.072	-1.031	0.131	-843.497	1.08
45090_5090	45090	5090	-30.041	33.778	-0.213	-0.507	-0.152	843.492	1.08
45090_5091	45090	5091	30.041	-33.778	0.213	0.507	2.648	-446.524	1.02
45091_5091	45091	5091	-33.656	38.017	-0.128	0.329	-7.786	51.976	1.02
45091_5092	45091	5092	33.656	-38.016	0.128	-0.329	9.485	452.329	1.02
45092_5092	45092	5092	-34.561	36.847	-0.063	0.292	-9.494	-452.36	1.02
45092_5093	45092	5093	34.56	-36.848	0.063	-0.292	10.278	914.17	1.02
45093_5093	45093	5093	-35.506	35.937	-0.036	-0.194	-10.344	-914.169	1.02
45093_5094	45093	5094	35.506	-35.937	0.036	0.194	10.801	1365.951	1
45094_5094	45094	5094	73.005	9.258	0.463	-0.034	-22.134	298.423	1
45094_5095	45094	5095	-73.005	-9.258	-0.463	0.034	17.734	-210.518	1
45095_5095	45095	5095	73.005	9.258	0.434	0.035	-17.734	213.442	1
45095_5096	45095	5096	-73.005	-9.258	-0.434	-0.035	14.372	-141.657	1
45096_5096	45096	5096	73.006	9.258	0.342	0.212	-14.372	141.657	1
45096_5097	45096	5097	-73.006	-9.258	-0.342	-0.212	11.72	-69.966	1
45097_5097	45097	5097	73.017	9.803	0.227	0.118	-11.72	69.961	1
45097_5098	45097	5098	-73.017	-9.803	-0.227	-0.118	9.901	8.496	1
45098_5098	45098	5098	73.017	9.803	0.227	0.118	-9.901	-8.496	1
45098_5099	45098	5099	-73.017	-9.803	-0.227	-0.118	8.082	86.952	1
45099_5099	45099	5099	73.018	9.803	0.139	0.013	-8.082	-86.953	1
45099_5100	45099	5100	-73.018	-9.803	-0.139	-0.013	6.973	165.308	1
45100_5100	45100	5100	73.018	10.722	0.19	-0.457	-6.973	-165.307	1
45100_5101	45100	5101	-73.018	-10.722	-0.19	0.457	5.832	229.659	1
45101_5101	45101	5101	73.019	10.722	0.068	-0.84	-5.832	-229.659	1
45101_5102	45101	5102	-73.019	-10.721	-0.068	0.84	5.421	294.009	1
45102_5102	45102	5102	73.017	10.721	0.555	1.119	-5.421	-294.008	1
45102_5103	45102	5103	-73.017	-10.721	-0.555	-1.119	2.09	358.371	1
45103_5103	45103	5103	73.017	10.721	0.437	0.542	-2.09	-358.372	1
45103_5104	45103	5104	-73.017	-10.722	-0.437	-0.542	-0.53	422.625	1
45104_5104	45104	5104	73.017	11.542	0.311	0.517	0.53	-422.625	1
45104_5105	45104	5105	-73.017	-11.542	-0.311	-0.517	-3.016	515.007	1
45105_5105	45105	5105	73.018	11.542	0.222	-0.107	3.016	-515.006	1
45105_5106	45105	5106	-73.018	-11.542	-0.222	0.107	-4.791	607.269	1
45106_5106	45106	5106	73.018	11.542	0.219	-0.13	4.791	-607.269	1
45106_5107	45106	5107	-73.018	-11.542	-0.219	0.13	-6.547	699.647	1
45107_5107	45107	5107	73.016	12.395	0.298	0.423	6.547	-699.653	1
45107_5108	45107	5108	-73.016	-12.395	-0.298	-0.423	-8.862	795.748	1
45108_5108	45108	5108	73.016	12.395	0.301	0.452	8.862	-795.748	1
45108_5109	45108	5109	-73.016	-12.394	-0.301	-0.452	-11.194	891.721	1
45109_5109	45109	5109	73.017	12.394	0.224	-0.476	11.194	-895.615	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
45109_5110	45109	5110	-73.017	-12.395	-0.224	0.476	-13.325	1013.408	1.01
45110_5110	45110	5110	-35.665	-10.754	-0.007	2.379	4.367	-2910.64	1.01
45110_5111	45110	5111	35.666	10.754	0.007	-2.379	-4.288	2775.473	1.01
45111_5111	45111	5111	-35.373	-11.678	0.048	-2.104	4.678	-2775.47	1.01
45111_5112	45111	5112	35.373	11.678	-0.048	2.104	-5.28	2629.15	1.01
45112_5112	45112	5112	-35.159	-14.494	0.05	0.121	5.107	-2629.23	1.01
45112_5113	45112	5113	35.158	14.493	-0.05	-0.121	-5.781	2436.898	1.03
45113_5113	45113	5113	-25.348	67.65	0.353	9.695	-4.609	10010.29	1.03
45113_5114	45113	5114	25.349	-67.65	-0.353	-9.695	0.469	-9214.95	1.03
45114_5114	45114	5114	-26.518	60.115	0.404	-1.556	-0.211	9215.232	1.03
45114_5115	45114	5115	26.518	-60.115	-0.404	1.556	-3.116	-8719.76	1.11
45115_5115	45115	5115	-27.038	59.883	0.41	0.752	3.102	8720.924	1.11
45115_5116	45115	5116	27.038	-59.883	-0.41	-0.752	-8.954	-7868.02	1
45116_5116	45116	5116	-27.039	56.83	-0.531	-3.129	8.954	7868.022	1
45116_5117	45116	5117	27.039	-56.829	0.531	3.129	-3.01	-7230.85	1
45117_5117	45117	5117	-27.038	56.829	-0.506	3.32	3.01	7230.851	1
45117_5118	45117	5118	27.038	-56.83	0.506	-3.32	2.665	-6593.69	1
45118_5118	45118	5118	-27.038	56.142	0.346	-2.336	-2.665	6593.7	1
45118_5119	45118	5119	27.038	-56.143	-0.346	2.336	-1.21	-5964.26	1
45119_5119	45119	5119	-27.038	56.143	0.369	2.983	1.21	5964.257	1
45119_5120	45119	5120	27.038	-56.143	-0.369	-2.983	-5.356	-5334.82	1
45120_5120	45120	5120	-27.037	55.09	-0.238	-5.394	5.356	5334.821	1
45120_5121	45120	5121	27.037	-55.09	0.238	5.394	-2.497	-4670.91	1
45121_5121	45121	5121	-27.038	55.09	-0.17	6.184	2.497	4670.906	1
45121_5122	45121	5122	27.038	-55.091	0.17	-6.184	-0.446	-4007.57	1
45122_5122	45122	5122	-27.038	54.354	0.095	-1.024	0.446	4007.567	1
45122_5123	45122	5123	27.038	-54.354	-0.095	1.024	-1.519	-3398.22	1
45123_5123	45123	5123	-27.038	54.354	0.12	2.007	1.519	3398.218	1
45123_5124	45123	5124	27.038	-54.354	-0.12	-2.007	-2.862	-2788.88	1
45124_5124	45124	5124	-27.038	53.728	-0.033	-1.451	2.862	2788.81	1
45124_5125	45124	5125	27.038	-53.729	0.033	1.451	-2.488	-2186.49	1
45125_5125	45125	5125	-27.039	53.729	0.015	2.449	2.488	2186.484	1
45125_5126	45125	5126	27.039	-53.728	-0.015	-2.449	-2.655	-1584.17	1
45126_5126	45126	5126	-27.043	54.607	-0.122	0.066	2.655	1584.12	1
45126_5127	45126	5127	27.043	-54.607	0.122	-0.066	-0.984	-837.62	1
45127_5127	45127	5127	-27.504	54.377	-0.089	1.131	0.993	830.563	1
45127_5128	45127	5128	27.505	-54.377	0.089	-1.131	-0.265	-381.936	1
45128_5128	45128	5128	-28.316	51.525	0.154	0.603	0.27	381.894	1
45128_5129	45128	5129	28.316	-51.524	-0.154	-0.603	-2.09	223.708	1.07
45129_5129	45129	5129	-36.426	55.744	0.324	-0.078	6.21	-733.556	1.07
45129_5130	45129	5130	36.426	-55.744	-0.324	0.078	-10.503	1473.092	1.04
45130_5130	45130	5130	-37.682	53.428	-0.293	1.215	10.615	-1473.14	1.04
45130_5131	45130	5131	37.682	-53.428	0.293	-1.215	-6.949	2142.882	1.03
45131_5131	45131	5131	-39.067	52.424	-0.266	-0.672	6.805	-2142.88	1.03
45131_5132	45131	5132	39.067	-52.423	0.266	0.672	-3.467	2801.556	1.03
45132_5132	45132	5132	147.419	9.919	-0.373	-0.025	-4.713	86.986	1.03
45132_5133	45132	5133	-147.419	-9.92	0.373	0.025	8.259	7.25	1
45133_5133	45133	5133	147.418	9.92	-0.563	0.088	-8.259	24.538	1
45133_5134	45133	5134	-147.418	-9.919	0.563	-0.088	12.624	52.339	1
45134_5134	45134	5134	147.413	9.919	1.337	0.762	-12.624	-52.333	1
45134_5135	45134	5135	-147.413	-9.92	-1.337	-0.762	2.253	129.313	1
45135_5135	45135	5135	147.405	9.054	-0.071	0.281	-2.253	-129.308	1
45135_5136	45135	5136	-147.405	-9.054	0.071	-0.281	2.818	201.744	1
45136_5136	45136	5136	147.404	9.054	-0.255	0.03	-2.818	-201.744	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
45136_5137	45136	5137	-147.404	-9.054	0.255	-0.03	4.859	274.178	1
45137_5137	45137	5137	147.404	9.054	-0.069	0.376	-4.859	-274.178	1
45137_5138	45137	5138	-147.404	-9.054	0.069	-0.376	5.407	346.522	1
45138_5138	45138	5138	147.398	9.689	0.433	0.521	-5.407	-346.532	1
45138_5139	45138	5139	-147.398	-9.689	-0.433	-0.521	2.807	404.671	1
45139_5139	45139	5139	147.398	9.689	0.188	-0.153	-2.807	-404.671	1
45139_5140	45139	5140	-147.398	-9.689	-0.188	0.153	1.681	462.81	1
45140_5140	45140	5140	147.398	9.689	0.433	0.617	-1.681	-462.81	1
45140_5141	45140	5141	-147.398	-9.689	-0.433	-0.617	-0.919	520.95	1
45141_5141	45141	5141	147.398	9.689	0.188	-0.251	0.919	-520.95	1
45141_5142	45141	5142	-147.398	-9.69	-0.188	0.251	-2.045	579.088	1
45142_5142	45142	5142	147.398	10.126	0.143	0.17	2.045	-579.1	1
45142_5143	45142	5143	-147.398	-10.126	-0.143	-0.17	-3.19	660.111	1
45143_5143	45143	5143	147.398	10.126	0.143	0.17	3.19	-660.111	1
45143_5144	45143	5144	-147.398	-10.126	-0.143	-0.17	-4.334	741.123	1
45144_5144	45144	5144	147.398	10.126	0.143	0.17	4.334	-741.123	1
45144_5145	45144	5145	-147.398	-10.125	-0.143	-0.17	-5.479	822.134	1
45145_5145	45145	5145	147.406	11.036	0.36	-0.319	5.479	-822.136	1
45145_5146	45145	5146	-147.406	-11.036	-0.36	0.319	-8.269	907.665	1
45146_5146	45146	5146	147.406	11.036	0.36	-0.319	8.269	-907.665	1
45146_5147	45146	5147	-147.406	-11.035	-0.36	0.319	-11.059	993.194	1
45147_5147	45147	5147	147.406	11.035	0.545	1.031	11.059	-1020.99	1
45147_5148	45147	5148	-147.406	-11.035	-0.545	-1.031	-16.238	1125.83	1
45148_5148	45148	5148	-31.585	-24.281	0.094	1.718	-1.444	-4236.46	1
45148_5149	45148	5149	31.585	24.281	-0.094	-1.718	0.263	3931.377	1
45149_5149	45149	5149	-30.94	-25.098	0.117	-1.412	0.017	-3931.38	1
45149_5150	45149	5150	30.941	25.097	-0.117	1.412	-1.485	3616.765	1
45150_5150	45150	5150	-30.38	-27.4	0.046	0.256	1.364	-3616.78	1
45150_5151	45150	5151	30.38	27.399	-0.046	-0.256	-1.976	3253.267	1
45151_5151	45151	5151	-31.746	64.551	0.129	1.726	-0.135	8741.155	1
45151_5152	45151	5152	31.746	-64.552	-0.129	-1.726	-1.38	-7982.4	1
45152_5152	45152	5152	-32.829	57.312	-0.03	-0.012	1.423	7982.371	1
45152_5153	45152	5153	32.83	-57.312	0.03	0.012	-1.176	-7509.5	1
45153_5153	45153	5153	-33.31	57.034	-0.03	-0.079	1.175	7505.651	1
45153_5154	45153	5154	33.31	-57.034	0.03	0.079	-0.761	-6721.96	1
45154_5154	45154	5154	-33.311	54.72	0.019	0.004	0.761	6721.957	1
45154_5155	45154	5155	33.311	-54.72	-0.019	-0.004	-0.967	-6120	1
45155_5155	45155	5155	-33.311	54.72	0.019	0.004	0.967	6120.003	1
45155_5156	45155	5156	33.311	-54.72	-0.019	-0.004	-1.173	-5518.05	1
45156_5156	45156	5156	-33.309	54.595	-0.15	0.06	1.173	5518.053	1
45156_5157	45156	5157	33.309	-54.595	0.15	-0.06	0.326	-4971.52	1
45157_5157	45157	5157	-33.309	54.595	-0.15	0.006	-0.326	4971.521	1
45157_5158	45157	5158	33.309	-54.596	0.15	-0.006	1.828	-4425.54	1
45158_5158	45158	5158	-33.311	54.185	0.014	2.07	-1.828	4425.456	1
45158_5159	45158	5159	33.311	-54.184	-0.014	-2.07	1.685	-3883.05	1
45159_5159	45159	5159	-33.311	54.184	-0.019	-1.809	-1.685	3883.046	1
45159_5160	45159	5160	33.311	-54.185	0.019	1.809	1.876	-3340.63	1
45160_5160	45160	5160	-33.315	53.918	0.282	0.092	-1.876	3340.647	1
45160_5161	45160	5161	33.315	-53.918	-0.282	-0.092	-1.229	-2747.52	1
45161_5161	45161	5161	-33.315	53.918	0.282	0.092	1.229	2747.52	1
45161_5162	45161	5162	33.315	-53.918	-0.282	-0.092	-4.333	-2154.39	1
45162_5162	45162	5162	-33.304	55.277	-0.55	-0.276	4.333	2154.443	1
45162_5163	45162	5163	33.304	-55.278	0.55	0.276	3.218	-1394.87	1
45163_5163	45163	5163	-33.761	55	-0.525	0.746	-3.212	1396.832	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
45163_5164	45163	5164	33.762	-55	0.525	-0.746	7.544	-943.041	1
45164_5164	45164	5164	-34.573	51.84	0.411	0.169	-7.548	943.027	1
45164_5165	45164	5165	34.573	-51.84	-0.411	-0.169	2.718	-333.691	1
45165_5165	45165	5165	-38.059	58.271	0.259	0.227	-2.317	-315.046	1
45165_5166	45165	5166	38.059	-58.271	-0.259	-0.227	-1.117	1088.124	1
45166_5166	45166	5166	-39.594	58.498	-0.124	0.81	1.168	-1088.09	1
45166_5167	45166	5167	39.593	-58.498	0.124	-0.81	0.388	1821.374	1
45167_5167	45167	5167	-41.106	57.446	-0.096	-0.63	-0.512	-1821.37	1
45167_5168	45167	5168	41.106	-57.446	0.096	0.63	1.718	2543.103	1
45168_5168	45168	5168	149.028	11.487	0.383	-0.009	-7.804	346.233	1
45168_5169	45168	5169	-149.028	-11.487	-0.383	0.009	4.168	-237.101	1
45169_5169	45169	5169	149.028	11.487	0.197	0.242	-4.168	270.022	1
45169_5170	45169	5170	-149.028	-11.487	-0.197	-0.242	2.64	-181.109	1
45170_5170	45170	5170	149.027	11.487	0.388	0.01	-2.64	181.109	1
45170_5171	45170	5171	-149.027	-11.487	-0.388	-0.01	-0.366	-92.08	1
45171_5171	45171	5171	149.046	11.578	-0.076	0.063	0.366	92.073	1
45171_5172	45171	5172	-149.046	-11.578	0.076	-0.063	0.238	0.553	1
45172_5172	45172	5172	149.046	11.578	0.111	0.064	-0.238	-0.553	1
45172_5173	45172	5173	-149.046	-11.578	-0.111	-0.064	-0.649	93.181	1
45173_5173	45173	5173	149.046	11.578	0.111	0.064	0.649	-93.181	1
45173_5174	45173	5174	-149.046	-11.578	-0.111	-0.064	-1.536	185.809	1
45174_5174	45174	5174	149.044	11.981	-0.043	-0.163	1.536	-185.819	1
45174_5175	45174	5175	-149.044	-11.981	0.043	0.163	-1.275	257.712	1
45175_5175	45175	5175	149.044	11.981	0.205	0.266	1.275	-257.712	1
45175_5176	45175	5176	-149.044	-11.982	-0.205	-0.266	-2.504	329.606	1
45176_5176	45176	5176	149.044	11.982	-0.043	-0.283	2.504	-329.606	1
45176_5177	45176	5177	-149.044	-11.982	0.043	0.283	-2.241	401.5	1
45177_5177	45177	5177	149.044	11.982	0.205	0.386	2.241	-401.5	1
45177_5178	45177	5178	-149.044	-11.982	-0.205	-0.386	-3.47	473.395	1
45178_5178	45178	5178	149.04	12.199	0.349	0.307	3.47	-473.404	1
45178_5179	45178	5179	-149.04	-12.199	-0.349	-0.307	-6.26	571.001	1
45179_5179	45179	5179	149.04	12.199	0.349	0.307	6.26	-571.001	1
45179_5180	45179	5180	-149.04	-12.199	-0.349	-0.307	-9.05	668.6	1
45180_5180	45180	5180	149.04	12.199	0.162	-0.529	9.05	-668.6	1
45180_5181	45180	5181	-149.04	-12.199	-0.162	0.529	-10.349	766.196	1
45181_5181	45181	5181	149.041	13.107	0.258	0.315	10.349	-766.2	1
45181_5182	45181	5182	-149.041	-13.107	-0.258	-0.315	-12.355	867.784	1
45182_5182	45182	5182	149.041	13.107	0.067	-0.804	12.355	-867.783	1
45182_5183	45182	5183	-149.041	-13.107	-0.067	0.804	-12.871	969.365	1
45183_5183	45183	5183	149.041	13.107	0.254	0.458	12.871	-995.81	1
45183_5184	45183	5184	-149.041	-13.107	-0.254	-0.458	-15.282	1120.332	1.02
45184_5184	45184	5184	-35.194	-28.026	-0.06	-1.422	11.058	-4273.6	1.02
45184_5185	45184	5185	35.194	28.026	0.06	1.422	-10.306	3921.51	1.03
45185_5185	45185	5185	-34.453	-28.931	-0.085	1.439	10.034	-3921.51	1.03
45185_5186	45185	5186	34.454	28.932	0.085	-1.439	-8.96	3558.865	1.04
45186_5186	45186	5186	-33.79	-30.694	0.063	0.088	9.049	-3558.82	1.04
45186_5187	45186	5187	33.79	30.694	-0.063	-0.088	-9.89	3151.629	1.08
45187_5187	45187	5187	-22.482	63.602	-0.434	-2.641	-4.131	8901.634	1.08
45187_5188	45187	5188	22.482	-63.602	0.434	2.641	9.232	-8154.06	1.08
45188_5188	45188	5188	-23.543	55.523	0.354	-0.525	-9.288	8154.11	1.08
45188_5189	45188	5189	23.544	-55.523	-0.354	0.525	6.366	-7696.56	1
45189_5189	45189	5189	-23.998	55.328	0.355	-0.432	-6.37	7692.426	1
45189_5190	45189	5190	23.998	-55.328	-0.355	0.432	1.49	-6931.63	1
45190_5190	45190	5190	-23.996	54.964	0.161	-0.499	-1.49	6931.626	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
45190_5191	45190	5191	23.996	-54.963	-0.161	0.499	-0.281	-6326.99	1
45191_5191	45191	5191	-23.996	54.963	0.161	-0.499	0.281	6326.986	1
45191_5192	45191	5192	23.996	-54.964	-0.161	0.499	-2.053	-5722.35	1
45192_5192	45192	5192	-23.984	55.289	-1.02	-0.404	2.053	5722.353	1
45192_5193	45192	5193	23.984	-55.289	1.02	0.404	8.165	-5168.32	1
45193_5193	45193	5193	-23.984	55.289	-1.019	-0.348	-8.165	5168.323	1
45193_5194	45193	5194	23.984	-55.289	1.019	0.348	18.392	-4613.74	1
45194_5194	45194	5194	-24.004	55.101	0.271	-0.276	-18.392	4613.698	1
45194_5195	45194	5195	24.004	-55.101	-0.271	0.276	15.668	-4061	1
45195_5195	45195	5195	-24.004	55.101	0.271	-0.276	-15.668	4061.004	1
45195_5196	45195	5196	24.004	-55.101	-0.271	0.276	12.944	-3508.31	1
45196_5196	45196	5196	-23.998	54.906	-0.117	-0.161	-12.944	3508.307	1
45196_5197	45196	5197	23.998	-54.905	0.117	0.161	14.229	-2904.31	1
45197_5197	45197	5197	-23.998	54.905	-0.117	-0.161	-14.229	2904.314	1
45197_5198	45197	5198	23.998	-54.905	0.117	0.161	15.515	-2300.32	1
45198_5198	45198	5198	-23.994	56.432	-0.427	0.078	-15.515	2300.323	1
45198_5199	45198	5199	23.994	-56.432	0.427	-0.078	21.374	-1524.9	1.03
45199_5199	45199	5199	-24.45	56.236	-0.426	0.168	-21.373	1530.227	1.03
45199_5200	45199	5200	24.45	-56.236	0.426	-0.168	24.89	-1066.24	1.03
45200_5200	45200	5200	-25.238	52.164	0.273	0.098	-24.895	1066.204	1.03
45200_5201	45200	5201	25.237	-52.164	-0.273	-0.098	21.68	-453.069	1.03
45201_5201	45201	5201	-29.62	59.32	0.212	0.74	-25.984	-268.312	1.03
45201_5202	45201	5202	29.62	-59.32	-0.212	-0.74	23.165	1055.269	1.02
45202_5202	45202	5202	-31.064	58.855	-0.161	-0.283	-23.255	-1055.28	1.02
45202_5203	45202	5203	31.064	-58.855	0.161	0.283	25.274	1792.956	1.01
45203_5203	45203	5203	-32.556	58.042	-0.182	1.789	-25.132	-1792.96	1.01
45203_5204	45203	5204	32.556	-58.043	0.182	-1.789	27.424	2522.049	1.01
45204_5204	45204	5204	168.455	11.14	1.503	1.069	-71.944	530.936	1.01
45204_5205	45204	5205	-168.455	-11.14	-1.503	-1.069	57.66	-425.096	1
45205_5205	45205	5205	168.453	11.14	1.687	0.115	-57.66	474.229	1
45205_5206	45205	5206	-168.453	-11.141	-1.687	-0.115	44.59	-387.884	1
45206_5206	45206	5206	168.455	11.141	1.469	0.615	-44.59	387.883	1
45206_5207	45206	5207	-168.455	-11.14	-1.469	-0.615	33.205	-301.54	1
45207_5207	45207	5207	168.474	11.418	0.485	0.866	-33.205	301.549	1
45207_5208	45207	5208	-168.474	-11.418	-0.485	-0.866	29.321	-210.198	1
45208_5208	45208	5208	168.474	11.418	0.485	0.866	-29.321	210.198	1
45208_5209	45208	5209	-168.474	-11.418	-0.485	-0.866	25.438	-118.846	1
45209_5209	45209	5209	168.474	11.418	0.485	0.866	-25.438	118.846	1
45209_5210	45209	5210	-168.474	-11.419	-0.485	-0.866	21.555	-27.495	1
45210_5210	45210	5210	168.461	12.156	1.178	0.936	-21.555	27.494	1
45210_5211	45210	5211	-168.461	-12.155	-1.178	-0.936	14.487	45.444	1
45211_5211	45211	5211	168.458	12.155	1.459	1.011	-14.487	-45.443	1
45211_5212	45211	5212	-168.458	-12.156	-1.459	-1.011	5.736	118.382	1
45212_5212	45212	5212	168.461	12.156	1.178	0.814	-5.736	-118.384	1
45212_5213	45212	5213	-168.461	-12.156	-1.178	-0.814	-1.331	191.323	1
45213_5213	45213	5213	168.458	12.156	1.459	1.132	1.331	-191.321	1
45213_5214	45213	5214	-168.458	-12.156	-1.459	-1.132	-10.083	264.261	1
45214_5214	45214	5214	168.467	12.819	0.84	1.127	10.083	-264.257	1
45214_5215	45214	5215	-168.467	-12.82	-0.84	-1.127	-16.809	366.818	1
45215_5215	45215	5215	168.468	12.82	0.63	0.669	16.809	-366.818	1
45215_5216	45215	5216	-168.468	-12.82	-0.63	-0.669	-21.85	469.379	1
45216_5216	45216	5216	168.467	12.82	0.84	1.255	21.85	-469.377	1
45216_5217	45216	5217	-168.467	-12.82	-0.84	-1.255	-28.575	571.937	1
45217_5217	45217	5217	168.457	13.626	0.999	3.234	28.575	-571.907	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
45217_5218	45217	5218	-168.457	-13.627	-0.999	-3.234	-36.31	677.384	1
45218_5218	45218	5218	168.458	13.627	0.779	2.35	36.31	-677.388	1
45218_5219	45218	5219	-168.458	-13.626	-0.779	-2.35	-42.35	782.999	1
45219_5219	45219	5219	168.46	13.626	-0.251	-2.495	42.35	-823.113	1
45219_5220	45219	5220	-168.46	-13.627	0.251	2.495	-39.973	952.567	1
45220_5220	45220	5220	-24.975	-26.412	-0.139	7.654	1.527	-4285.71	1
45220_5221	45220	5221	24.975	26.412	0.139	-7.654	0.213	3953.996	1
45221_5221	45221	5221	-24.296	-27.038	-0.067	-4.963	0.891	-3954	1
45221_5222	45221	5222	24.296	27.038	0.067	4.963	-0.049	3615.147	1.01
45222_5222	45222	5222	-23.7	-29.27	2.351	-0.671	-0.276	-3615.22	1.01
45222_5223	45222	5223	23.7	29.27	-2.351	0.671	-30.907	3226.922	1.01
45223_5223	45223	5223	-24.39	68.475	2.455	28.764	48.796	9354.103	1.01
45223_5224	45223	5224	24.391	-68.475	-2.455	-28.764	-77.647	-8549.2	1.04
45224_5224	45224	5224	-25.547	60.56	-2.541	-18.064	78.439	8549.906	1.04
45224_5225	45224	5225	25.547	-60.559	2.541	18.064	-57.473	-8050.19	1
45225_5225	45225	5225	-26.038	60.354	-2.441	12.387	57.326	8050.021	1
45225_5226	45225	5226	26.038	-60.353	2.441	-12.387	-19.628	-7117.93	1
45226_5226	45226	5226	-26.046	59.785	1.122	-12.762	19.628	7117.851	1
45226_5227	45226	5227	26.046	-59.785	-1.122	12.762	-32.928	-6409.16	1
45227_5227	45227	5227	-26.041	59.785	1.232	14.26	32.928	6409.157	1
45227_5228	45227	5228	26.041	-59.785	-1.232	-14.26	-47.531	-5700.38	1
45228_5228	45228	5228	-25.988	60.764	-2.945	-9.88	47.531	5699.868	1
45228_5229	45228	5229	25.988	-58.69	2.945	9.88	-12.617	-4991.72	1
45229_5229	45229	5229	-26	58.69	-2.835	11.156	12.617	4991.715	1
45229_5230	45229	5230	26	-56.615	2.835	-11.156	21.003	-4308.07	1
45230_5230	45230	5230	-26.038	57.945	-1.473	-6.5	-21.003	4307.275	1
45230_5231	45230	5231	26.038	-55.812	1.473	6.5	38.96	-3613.94	1
45231_5231	45231	5231	-26.043	55.812	-1.388	5.348	-38.96	3613.939	1
45231_5232	45231	5232	26.043	-53.678	1.388	-5.348	55.881	-2946.52	1
45232_5232	45232	5232	-26.435	52.742	15.545	-2.882	-55.881	2946.018	1
45232_5233	45232	5233	26.435	-51.134	-15.545	2.882	-86.992	-2468.68	1.04
45233_5233	45233	5233	-26.747	50.959	15.585	0.214	86.995	2468.686	1.04
45233_5234	45233	5234	26.739	-49.754	-15.585	-0.214	-194.352	-2121.82	1.04
45234_5234	45234	5234	-27.253	49.455	15.646	2.989	194.428	2121.812	1.04
45234_5235	45234	5235	27.229	-48.101	-15.646	-2.989	-315.554	-1744.25	1.04
45235_5235	45235	5235	-26.709	50.571	-18.173	3.468	315.669	1744.344	1.04
45235_5236	45235	5236	26.683	-49.631	18.173	-3.468	-218.091	-1475.39	1.04
45236_5236	45236	5236	-15.085	64.364	-17.724	-2.451	131.146	-196.856	1.04
45236_5237	45236	5237	15.023	-62.884	17.724	2.451	18.806	735.051	1.01
45237_5237	45237	5237	-15.906	62.673	-17.697	-3.706	-18.923	-735.043	1.01
45237_5238	45237	5238	15.842	-61.519	17.697	3.706	135.754	1144.839	1.01
45238_5238	45238	5238	-17.565	60.92	-1.296	-2.091	-135.827	-1144.64	1.01
45238_5239	45238	5239	17.442	-59.196	1.296	2.091	148.617	1736.778	1.01
45239_5239	45239	5239	-20.245	58.297	-1.266	0.96	-149.031	-1736.74	1.01
45239_5240	45239	5240	20.023	-56.439	1.266	-0.96	162.522	2347.607	1
45240_5240	45240	5240	172.048	16.807	10.385	0.619	-207.182	580.815	1
45240_5241	45240	5241	-172.048	-14.657	-10.385	-0.619	79.588	-387.528	1
45241_5241	45241	5241	172.09	14.657	9.676	1.492	-79.588	400.37	1
45241_5242	45241	5242	-172.09	-13.632	-9.676	-1.492	22.939	-317.565	1
45242_5242	45242	5242	172.097	13.632	9.544	1.736	-22.939	317.564	1
45242_5243	45242	5243	-172.097	-12.519	-9.544	-1.736	-37.721	-234.456	1
45243_5243	45243	5243	172.677	18.581	-0.835	0.76	37.721	234.357	1
45243_5244	45243	5244	-172.677	-16.862	0.835	-0.76	-29.518	-60.217	1
45244_5244	45244	5244	172.673	16.862	-1.415	0.962	29.518	60.215	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
45244_5245	45244	5245	-172.673	-15.149	1.415	-0.962	-15.674	96.457	1
45245_5245	45245	5245	172.561	15.882	0.368	1.018	15.674	-96.446	1
45245_5246	45245	5246	-172.561	-14.108	-0.368	-1.018	-19.404	248.525	1
45246_5246	45246	5246	172.561	14.108	-0.217	0.176	19.404	-248.528	1
45246_5247	45246	5247	-172.561	-12.449	0.217	-0.176	-17.348	374.435	1
45247_5247	45247	5247	172.484	13.384	1.044	1.215	17.348	-374.344	1
45247_5248	45247	5248	-172.484	-11.758	-1.044	-1.215	-27.045	491.174	1
45248_5248	45248	5248	172.486	11.758	0.509	-0.306	27.045	-491.175	1
45248_5249	45248	5249	-172.486	-9.95	-0.509	0.306	-32.302	603.297	1
45249_5249	45249	5249	172.487	10.306	0.006	1.181	32.302	-603.173	1
45249_5250	45249	5250	-172.487	-8.536	-0.006	-1.181	-32.37	698.436	1
45250_5250	45250	5250	172.486	8.536	-0.441	-0.633	32.37	-698.437	1
45250_5251	45250	5251	-172.486	-6.871	0.441	0.633	-28.171	771.712	1
45251_5251	45251	5251	172.419	9.689	1.209	2.202	28.171	-771.553	1
45251_5252	45251	5252	-172.419	-8.63	-1.209	-2.202	-35.479	826.946	1
45252_5252	45252	5252	172.421	8.63	0.94	0.917	35.479	-826.948	1
45252_5253	45252	5253	-172.421	-7.535	-0.94	-0.917	-41.366	877.541	1
45253_5253	45253	5253	172.423	7.535	0.494	-1.351	41.366	-879.184	1
45253_5254	45253	5254	-172.423	-5.872	-0.494	1.351	-46.057	942.85	1
45254_5254	45254	5254	-13.039	-20.015	0.631	-0.357	-17.128	-4353.67	1
45254_5255	45254	5255	13.088	20.485	-0.631	0.357	15.425	4299.135	1.01
45255_5255	45255	5255	-12.816	-21.183	0.869	7.702	-16.126	-4299.02	1.01
45255_5256	45255	5256	13.012	23.38	-0.869	-7.702	5.193	4019.235	1.02
45256_5256	45256	5256	-12.516	-23.647	0.912	-7.866	-3.963	-4019.24	1.02
45256_5257	45256	5257	12.625	25.243	-0.912	7.866	-4.355	3796.424	1.02
45257_5257	45257	5257	-12.186	-24.934	-1.867	10.865	3.232	-3795.94	1.02
45257_5258	45257	5258	12.247	26.072	1.867	-10.865	8.92	3630.08	1.03
45258_5258	45258	5258	-11.929	-26.221	-1.841	2.351	-8.428	-3630.1	1.03
45258_5259	45258	5259	11.983	27.523	1.841	-2.351	22.132	3430.192	1.05
45259_5259	45259	5259	-11.545	-27.712	-1.809	-6.744	-21.852	-3434.83	1.05
45259_5260	45259	5260	11.579	29.056	1.809	6.744	35.751	3216.824	1.05
45260_5260	45260	5260	-54.526	-53.666	2.331	-30.487	-8.353	8181.315	1.05
45260_5261	45260	5261	54.542	54.7	-2.331	30.487	-5.428	-8501.5	1.05
45261_5261	45261	5261	-54.034	-55.193	2.526	0.101	4.962	8501.554	1.05
45261_5262	45261	5262	54.041	56.315	-2.526	-0.101	-21.136	-8858.66	1
45262_5262	45262	5262	-53.691	-56.645	2.587	10.342	21.136	8862.863	1
45262_5263	45262	5263	53.691	58.778	-2.587	-10.342	-52.663	-9566.24	1
45263_5263	45263	5263	-53.663	-62.946	-3.958	-17.221	52.663	9565.907	1
45263_5264	45263	5264	53.663	64.944	3.958	17.221	-7.467	-10296.1	1
45264_5264	45264	5264	-53.674	-64.944	-3.804	12.354	7.467	10296.08	1
45264_5265	45264	5265	53.674	66.98	3.804	-12.354	36.79	-11063.5	1
45265_5265	45265	5265	-53.687	-65.443	-3.803	-26.024	-36.79	11063.65	1
45265_5266	45265	5266	53.687	67.483	3.803	26.024	81.128	-11838.6	1
45266_5266	45266	5266	-53.702	-67.483	-3.591	20.853	-81.128	11838.59	1
45266_5267	45266	5267	53.702	69.477	3.591	-20.853	122.032	-12618.8	1
45267_5267	45267	5267	-53.661	-69.01	1.595	-35.941	-122.032	12619.58	1
45267_5268	45267	5268	53.661	71.03	-1.595	35.941	103.636	-13427.5	1
45268_5268	45268	5268	-53.653	-71.03	1.85	28.252	-103.636	13427.54	1
45268_5269	45268	5269	53.653	73.044	-1.85	-28.252	82.341	-14256.4	1
45269_5269	45269	5269	-53.818	-72.073	-8.262	-40.613	-82.341	14257.86	1
45269_5270	45269	5270	53.818	73.624	8.262	40.613	155.551	-14903.4	1
45270_5270	45270	5270	-53.842	-73.624	-8.106	2.496	-155.551	14903.46	1
45270_5271	45270	5271	53.842	75.168	8.106	-2.496	227.084	-15560	1.07
45271_5271	45271	5271	-53.383	-75.508	-7.984	38.753	-226.843	15562.53	1.07

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
45271_5272	45271	5272	53.376	76.628	7.984	-38.753	277.949	-16049.5	1.07
45272_5272	45272	5272	-52.13	-85.199	9.028	-47.313	-279.028	16051.43	1.07
45272_5273	45272	5273	52.109	86.43	-9.028	47.313	215.546	-16654.9	1.04
45273_5273	45273	5273	-51.166	-86.98	9.135	-11.805	-215.122	16654.93	1.04
45273_5274	45273	5274	51.134	88.126	-9.135	11.805	155.294	-17228.4	1.04
45274_5274	45274	5274	-49.637	-88.965	9.269	36.195	-153.46	17241.24	1.04
45274_5275	45274	5275	49.55	90.917	-9.269	-36.195	50.048	-18244.8	1.03
45275_5275	45275	5275	-48.977	-89.734	-29.558	-41.983	-54.36	18248.02	1.03
45275_5276	45275	5276	48.868	91.457	29.558	41.983	345.583	-19140.8	1.03
45276_5276	45276	5276	-47.303	-92.347	-29.334	42.454	-339.911	19140.94	1.03
45276_5277	45276	5277	47.167	94.017	29.334	-42.454	620.262	-20031.8	1.03
45277_5277	45277	5277	-2.47	39.275	-2.501	-6.451	15.344	-463.105	1.03
45277_5278	45277	5278	2.336	-37.923	2.501	6.451	4.02	761.604	1.02
45278_5278	45278	5278	107.554	25.823	-3.685	3.537	-46.904	1254.753	1.02
45278_5279	45278	5279	-107.554	-24.162	3.685	-3.537	81.873	-1017.56	1
45279_5279	45279	5279	107.542	24.162	-4.006	7.021	-81.873	1029.477	1
45279_5280	45279	5280	-107.542	-23.018	4.006	-7.021	108.045	-875.354	1
45280_5280	45280	5280	107.633	15.394	2.022	0.884	-108.045	875.471	1
45280_5281	45280	5281	-107.633	-13.354	-2.022	-0.884	84.458	-707.835	1
45281_5281	45281	5281	107.638	13.354	1.741	2.734	-84.458	707.831	1
45281_5282	45281	5282	-107.638	-11.181	-1.741	-2.734	62.852	-555.601	1
45282_5282	45282	5282	107.675	29.046	3.257	0.766	-62.852	499.929	1
45282_5283	45282	5283	-107.675	-26.877	-3.257	-0.766	22.503	-153.523	1
45283_5283	45283	5283	107.685	26.877	2.922	1.243	-22.503	153.521	1
45283_5284	45283	5284	-107.685	-24.833	-2.922	-1.243	-11.641	148.568	1
45284_5284	45284	5284	107.663	12.986	0.363	1.55	11.641	-148.587	1
45284_5285	45284	5285	-107.663	-11.013	-0.363	-1.55	-15.729	283.887	1
45285_5285	45285	5285	107.662	11.013	0.106	0.872	15.729	-283.891	1
45285_5286	45285	5286	-107.662	-9.25	-0.106	-0.872	-16.791	385.909	1
45286_5286	45286	5286	107.64	14.733	1.894	2.104	16.791	-385.902	1
45286_5287	45286	5287	-107.64	-12.736	-1.894	-2.104	-38.397	542.615	1
45287_5287	45287	5287	107.646	12.736	1.523	0.234	38.397	-542.619	1
45287_5288	45287	5288	-107.646	-10.73	-1.523	-0.234	-55.859	677.179	1
45288_5288	45288	5288	107.608	14.8	-1.151	-2.044	55.859	-677.181	1
45288_5289	45288	5289	-107.608	-14.101	1.151	2.044	-51.258	734.965	1
45289_5289	45289	5289	107.606	14.101	-1.303	-3.147	51.258	-739.874	1
45289_5290	45289	5290	-107.606	-12.438	1.303	3.147	-38.877	865.932	1.02
45290_5290	45290	5290	-5.511	1.992	-1.719	6.098	-43.546	-3161.86	1.02
45290_5291	45290	5291	5.687	-0.173	1.719	-6.098	61.475	3173.435	1.02
45291_5291	45291	5291	-5.611	0.094	2.68	6.695	-61.235	-3173.62	1.02
45291_5292	45291	5292	5.746	1.8	-2.68	-6.695	32.161	3164.57	1.03
45292_5292	45292	5292	-5.692	-1.936	2.702	-4.485	-31.424	-3164.58	1.03
45292_5293	45292	5293	5.773	3.636	-2.702	4.485	5.153	3137.604	1.05
45293_5293	45293	5293	-5.746	-3.589	-0.274	9.793	-5.65	-3137.92	1.05
45293_5294	45293	5294	5.783	4.866	0.274	-9.793	7.647	3107.127	1.14
45294_5294	45294	5294	-5.696	-4.969	-0.26	2.344	-7.385	-3108.22	1.14
45294_5295	45294	5295	5.711	6.305	0.26	-2.344	9.37	3065.215	1
45295_5295	45295	5295	-5.642	-6.367	-0.246	-5.065	-9.34	-3065.21	1
45295_5296	45295	5296	5.642	7.802	0.246	5.065	11.358	3007.113	1
45296_5296	45296	5296	4.781	-28.114	0.957	13.864	-39.778	-6903.08	1
45296_5297	45296	5297	-4.781	28.841	-0.957	-13.864	35.809	6784.928	1
45297_5297	45297	5297	4.782	-28.841	0.951	6.173	-35.809	-6786.22	1
45297_5298	45297	5298	-4.782	30.461	-0.951	-6.173	26.997	6511.561	1
45298_5298	45298	5298	4.785	-30.461	0.94	-9.32	-26.997	-6511.56	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
45298_5299	45298	5299	-4.785	32.066	-0.94	9.32	18.382	6225.012	1
45299_5299	45299	5299	4.781	-27.34	0.365	13.96	-18.382	-6225.49	1
45299_5300	45299	5300	-4.781	29.382	-0.365	-13.96	14.125	5894.641	1
45300_5300	45300	5300	4.782	-29.382	0.346	-8.897	-14.125	-5894.65	1
45300_5301	45300	5301	-4.782	31.551	-0.346	8.897	9.833	5517.022	1
45301_5301	45301	5301	4.791	-30.757	0.909	11.595	-9.833	-5517.47	1
45301_5302	45301	5302	-4.791	32.946	-0.909	-11.595	-1.548	5119.061	1
45302_5302	45302	5302	4.794	-32.946	0.891	-8.08	1.548	-5119.07	1
45302_5303	45302	5303	-4.794	34.965	-0.891	8.08	-11.836	4727.126	1
45303_5303	45303	5303	4.795	-32.165	0.727	10.495	11.836	-4727.47	1
45303_5304	45303	5304	-4.795	34.442	-0.727	-10.495	-21.292	4294.116	1
45304_5304	45304	5304	4.798	-34.442	0.705	-8.144	21.292	-4294.12	1
45304_5305	45304	5305	-4.798	36.375	-0.705	8.144	-29.091	3902.941	1
45305_5305	45305	5305	4.803	-33.398	0.995	7.217	29.091	-3903.23	1
45305_5306	45305	5306	-4.803	35.508	-0.995	-7.217	-41.081	3487.845	1
45306_5306	45306	5306	4.806	-35.508	0.979	-4.124	41.081	-3487.85	1
45306_5307	45306	5307	-4.806	37.605	-0.979	4.124	-52.812	3049.763	1
45307_5307	45307	5307	4.804	-35.713	-0.006	6.335	52.812	-3049.99	1
45307_5308	45307	5308	-4.804	37.792	0.006	-6.335	-52.739	2613.277	1
45308_5308	45308	5308	4.804	-37.792	-0.025	-4.011	52.739	-2613.28	1
45308_5309	45308	5309	-4.804	39.923	0.025	4.011	-52.431	2140.225	1
45309_5309	45309	5309	4.88	-34.702	7.022	3.817	52.431	-2140.36	1
45309_5310	45309	5310	-4.88	36.81	-7.022	-3.817	-137.033	1709.564	1
45310_5310	45310	5310	4.906	-36.81	7.004	-2.519	137.033	-1709.57	1
45310_5311	45310	5311	-4.906	38.909	-7.004	2.519	-221.065	1255.317	1
45311_5311	45311	5311	4.766	-52.015	-9.424	2.261	221.065	-1255.38	1
45311_5312	45311	5312	-4.766	54.221	9.424	-2.261	-102.314	586.059	1
45312_5312	45312	5312	4.721	-54.221	-9.447	-0.494	102.314	-586.064	1
45312_5313	45312	5313	-4.721	56.116	9.447	0.494	0	-11.465	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1	2	3	4	5	6	7	8	9
45000_5000	45000	5000	-1.227	6.536	3.899	0.481	0	-12.248
45000_5001	45000	5001	1.227	-6.537	-3.899	-0.481	-49.607	95.414
45001_5001	45001	5001	-1.221	6.537	3.901	0.352	49.607	-95.415
45001_5002	45001	5002	1.221	-6.537	-3.901	-0.352	-88.169	160.037
45002_5002	45002	5002	-1.265	3.388	-4.096	0.988	88.169	-160.05
45002_5003	45002	5003	1.265	-3.388	4.096	-0.988	-38.427	201.2
45003_5003	45003	5003	-1.272	3.388	-4.094	0.681	38.427	-201.202
45003_5004	45003	5004	1.272	-3.389	4.094	-0.681	11.24	242.309
45004_5004	45004	5004	-1.247	4.052	0.593	0.637	-11.24	-242.343
45004_5005	45004	5005	1.247	-4.052	-0.593	-0.637	4.044	291.536
45005_5005	45005	5005	-1.246	4.052	0.594	0.368	-4.044	-291.537
45005_5006	45005	5006	1.246	-4.053	-0.594	-0.368	-3.17	340.766
45006_5006	45006	5006	-1.249	3.511	-0.208	0.625	3.17	-340.736
45006_5007	45006	5007	1.249	-3.51	0.208	-0.625	-0.641	383.339
45007_5007	45007	5007	-1.25	3.51	-0.206	-0.002	0.641	-383.339
45007_5008	45007	5008	1.25	-3.511	0.206	0.002	1.863	425.933
45008_5008	45008	5008	-1.247	3.217	0.326	0.427	-1.863	-425.995
45008_5009	45008	5009	1.247	-3.218	-0.326	-0.427	-2.093	465.068
45009_5009	45009	5009	-1.246	3.218	0.328	-0.334	2.093	-465.068
45009_5010	45009	5010	1.246	-3.218	-0.328	0.334	-6.073	504.133
45010_5010	45010	5010	-1.247	2.779	-0.002	-0.176	6.073	-504.088
45010_5011	45010	5011	1.247	-2.778	0.002	0.176	-6.044	537.813
45011_5011	45011	5011	-1.247	2.778	-0.002	-0.176	6.044	-537.813
45011_5012	45011	5012	1.247	-2.779	0.002	0.176	-6.015	571.538
45012_5012	45012	5012	-1.249	1.391	-0.266	-0.155	6.015	-571.54
45012_5013	45012	5013	1.249	-1.391	0.266	0.155	-2.777	588.43
45013_5013	45013	5013	-1.249	1.391	-0.266	-0.579	2.777	-588.43
45013_5014	45013	5014	1.249	-1.391	0.266	0.579	0.447	605.305
45014_5014	45014	5014	-1.244	2.747	0.641	-0.084	-0.447	-605.32
45014_5015	45014	5015	1.244	-2.747	-0.641	0.084	-9.904	649.682
45015_5015	45015	5015	-1.268	2.736	0.642	-0.996	9.896	-650.372
45015_5016	45015	5016	1.267	-2.736	-0.642	0.996	-15.194	672.958
45016_5016	45016	5016	-2.169	-1.538	-0.271	-0.325	6.127	66.007
45016_5017	45016	5017	2.169	1.538	0.271	0.325	-2.94	-84.068
45017_5017	45017	5017	-2.131	-1.589	-0.269	-0.347	2.934	84.289
45017_5018	45017	5018	2.13	1.59	0.269	0.347	0.64	-105.402
45018_5018	45018	5018	-2.046	-2.367	0.201	-0.43	-0.656	105.429
45018_5019	45018	5019	2.047	2.367	-0.201	0.43	-1.862	-135.067
45019_5019	45019	5019	-1.984	-2.42	0.203	-0.348	1.863	135.067
45019_5020	45019	5020	1.984	2.42	-0.203	0.348	-4.418	-165.478
45020_5020	45020	5020	-28.159	-3.721	-0.802	-0.288	19.577	20.627
45020_5021	45020	5021	28.159	3.721	0.802	0.288	-11.962	-55.958
45021_5021	45021	5021	-28.159	-3.721	-0.797	-0.085	11.962	49.155
45021_5022	45021	5022	28.159	3.72	0.797	0.085	-5.776	-78.01
45022_5022	45022	5022	-28.16	-3.72	-0.766	0.003	5.776	78.009
45022_5023	45022	5023	28.16	3.721	0.766	-0.003	0.151	-106.824
45023_5023	45023	5023	-28.156	-2.931	-0.188	-0.196	-0.151	106.825
45023_5024	45023	5024	28.156	2.931	0.188	0.196	1.656	-130.289
45024_5024	45024	5024	-28.155	-2.931	-0.226	-0.375	-1.656	130.289
45024_5025	45024	5025	28.155	2.932	0.226	0.375	3.467	-153.728
45025_5025	45025	5025	-28.157	-2.932	-0.153	0.028	-3.467	153.728
45025_5026	45025	5026	28.157	2.931	0.153	-0.028	4.692	-177.19

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45026_5026	45026	5026	-28.156	-1.97	-0.145	-0.231	-4.692	177.191
45026_5027	45026	5027	28.156	1.97	0.145	0.231	5.565	-189.018
45027_5027	45027	5027	-28.157	-1.97	-0.151	-0.263	-5.565	189.018
45027_5028	45027	5028	28.157	1.97	0.151	0.263	6.466	-200.825
45028_5028	45028	5028	-28.156	-1.97	-0.145	-0.228	-6.466	200.825
45028_5029	45028	5029	28.156	1.971	0.145	0.228	7.34	-212.652
45029_5029	45029	5029	-28.157	-1.971	-0.099	0.124	-7.34	212.652
45029_5030	45029	5030	28.157	1.97	0.099	-0.124	7.934	-224.477
45030_5030	45030	5030	-28.157	-1.036	-0.037	-0.322	-7.934	224.48
45030_5031	45030	5031	28.157	1.035	0.037	0.322	8.232	-232.768
45031_5031	45031	5031	-28.157	-1.035	-0.002	-0.033	-8.232	232.769
45031_5032	45031	5032	28.157	1.036	0.002	0.033	8.249	-241.056
45032_5032	45032	5032	-28.157	-1.036	-0.002	-0.033	-8.249	241.056
45032_5033	45032	5033	28.157	1.036	0.002	0.033	8.267	-249.343
45033_5033	45033	5033	-28.155	-0.384	0.254	-0.248	-8.267	249.35
45033_5034	45033	5034	28.155	0.383	-0.254	0.248	6.298	-252.32
45034_5034	45034	5034	-28.155	-0.383	0.254	-0.248	-6.298	252.32
45034_5035	45034	5035	28.155	0.384	-0.254	0.248	4.331	-255.289
45035_5035	45035	5035	-28.154	-0.384	0.282	0.079	-4.331	262.448
45035_5036	45035	5036	28.154	0.383	-0.282	-0.079	1.657	-266.08
45036_5036	45036	5036	-16.989	1.333	0.152	-0.478	-4.79	334.846
45036_5037	45036	5037	16.989	-1.332	-0.152	0.478	2.882	-318.068
45037_5037	45037	5037	-17.018	0.89	0.19	0.306	-2.947	318.068
45037_5038	45037	5038	17.018	-0.89	-0.19	-0.306	0.571	-306.907
45038_5038	45038	5038	-17.086	-0.286	-0.158	-1.372	-0.478	306.958
45038_5039	45038	5039	17.087	0.286	0.158	1.372	2.585	-310.747
45039_5039	45039	5039	-35.138	81.519	0.001	15.719	-5.298	11733.66
45039_5040	45039	5040	35.138	-81.519	-0.001	-15.719	5.296	-10775.5
45040_5040	45040	5040	-36.568	73.11	0.469	-4.668	-4.85	10776.08
45040_5041	45040	5041	36.568	-73.109	-0.469	4.668	0.982	-10173.3
45041_5041	45041	5041	-37.209	72.786	0.495	2.011	-1.023	10162.7
45041_5042	45041	5042	37.209	-72.785	-0.495	-2.011	-6.747	-9018.21
45042_5042	45042	5042	-37.216	69.944	-0.595	0.056	6.747	9018.345
45042_5043	45042	5043	37.216	-69.943	0.595	-0.056	0.35	-8184.17
45043_5043	45043	5043	-37.216	69.943	-0.595	0.056	-0.35	8184.173
45043_5044	45043	5044	37.216	-69.944	0.595	-0.056	7.448	-7350
45044_5044	45044	5044	-37.212	70.03	0.14	0.595	-7.448	7350.131
45044_5045	45044	5045	37.212	-70.03	-0.14	-0.595	5.778	-6514.42
45045_5045	45045	5045	-37.212	70.03	0.137	0.128	-5.778	6514.415
45045_5046	45045	5046	37.212	-70.03	-0.137	-0.128	4.141	-5679.4
45046_5046	45046	5046	-37.213	69.936	-0.054	-3.331	-4.141	5679.469
45046_5047	45046	5047	37.213	-69.936	0.054	3.331	4.789	-4844.99
45047_5047	45047	5047	-37.214	69.936	0.005	4.428	-4.789	4844.991
45047_5048	45047	5048	37.214	-69.936	-0.005	-4.428	4.725	-4011.33
45048_5048	45048	5048	-37.215	69.587	-0.113	-1.966	-4.725	4011.365
45048_5049	45048	5049	37.215	-69.587	0.113	1.966	6.073	-3181.23
45049_5049	45049	5049	-37.214	69.587	-0.051	3.35	-6.073	3181.225
45049_5050	45049	5050	37.214	-69.587	0.051	-3.35	6.679	-2351.2
45050_5050	45050	5050	-37.217	70.203	0.101	0.148	-6.679	2351.191
45050_5051	45050	5051	37.217	-70.203	-0.101	-0.148	5.097	-1248.37
45051_5051	45051	5051	-37.805	69.888	0.154	1.966	-5.081	1252.039
45051_5052	45051	5052	37.805	-69.888	-0.154	-1.966	3.816	-675.103
45052_5052	45052	5052	-38.839	66.017	0.166	0.758	-3.815	675.103

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45052_5053	45052	5053	38.839	-66.017	-0.166	-0.758	1.866	100.474
45053_5053	45053	5053	-42.946	70.642	0.237	0.564	-10.028	-577.301
45053_5054	45053	5054	42.946	-70.643	-0.237	-0.564	6.881	1514.264
45054_5054	45054	5054	-44.689	69.728	0.176	2.646	-6.721	-1514.28
45054_5055	45054	5055	44.689	-69.728	-0.176	-2.646	4.518	2388.641
45055_5055	45055	5055	-46.485	68.543	0.239	-1.029	-4.831	-2388.64
45055_5056	45055	5056	46.485	-68.543	-0.239	1.029	1.835	3250.007
45056_5056	45056	5056	179.986	16.884	2.316	0.894	-73.62	61.838
45056_5057	45056	5057	-179.986	-16.883	-2.316	-0.894	51.631	98.446
45057_5057	45057	5057	179.984	16.883	2.388	0.805	-51.631	-88.767
45057_5058	45057	5058	-179.984	-16.883	-2.388	-0.805	33.123	219.605
45058_5058	45058	5058	179.987	16.883	2.156	0.521	-33.123	-219.606
45058_5059	45058	5059	-179.987	-16.883	-2.156	-0.521	16.414	350.432
45059_5059	45059	5059	179.986	17.456	1.085	1.571	-16.414	-350.433
45059_5060	45059	5060	-179.986	-17.457	-1.085	-1.571	7.727	490.253
45060_5060	45060	5060	179.988	17.457	0.652	0.39	-7.727	-490.255
45060_5061	45060	5061	-179.988	-17.456	-0.652	-0.39	2.518	629.877
45061_5061	45061	5061	179.988	17.456	0.652	0.39	-2.518	-629.877
45061_5062	45061	5062	-179.988	-17.457	-0.652	-0.39	-2.692	769.499
45062_5062	45062	5062	179.991	18.49	1.02	1.529	2.692	-769.508
45062_5063	45062	5063	-179.991	-18.49	-1.02	-1.529	-8.818	880.509
45063_5063	45063	5063	179.991	18.49	1.04	1.627	8.818	-880.508
45063_5064	45063	5064	-179.991	-18.49	-1.04	-1.627	-15.055	991.325
45064_5064	45064	5064	179.993	18.49	0.722	-0.131	15.055	-991.325
45064_5065	45064	5065	-179.993	-18.49	-0.722	0.131	-19.385	1102.314
45065_5065	45065	5065	179.993	18.49	0.722	-0.131	19.385	-1102.31
45065_5066	45065	5066	-179.993	-18.49	-0.722	0.131	-23.715	1213.302
45066_5066	45066	5066	179.996	19.252	0.614	1.352	23.715	-1213.32
45066_5067	45066	5067	-179.996	-19.252	-0.614	-1.352	-28.621	1367.266
45067_5067	45067	5067	179.996	19.252	0.614	1.352	28.621	-1367.27
45067_5068	45067	5068	-179.996	-19.252	-0.614	-1.352	-33.526	1521.21
45068_5068	45068	5068	179.997	19.252	0.375	-0.666	33.526	-1521.21
45068_5069	45068	5069	-179.997	-19.252	-0.375	0.666	-36.525	1675.335
45069_5069	45069	5069	179.996	20.29	0.859	2.73	36.525	-1675.37
45069_5070	45069	5070	-179.996	-20.29	-0.859	-2.73	-43.177	1832.512
45070_5070	45070	5070	179.998	20.29	0.613	0.225	43.177	-1832.51
45070_5071	45070	5071	-179.998	-20.289	-0.613	-0.225	-47.93	1989.846
45071_5071	45071	5071	179.998	20.289	0.505	-0.921	47.93	-2003.43
45071_5072	45071	5072	-179.998	-20.29	-0.505	0.921	-52.734	2196.119
45072_5072	45072	5072	-36.701	-26.759	-0.032	5.231	22.229	-5820.75
45072_5073	45072	5073	36.701	26.759	0.032	-5.231	-21.823	5484.496
45073_5073	45073	5073	-35.993	-27.704	0.022	-4.074	22.608	-5484.49
45073_5074	45073	5074	35.993	27.705	-0.022	4.074	-22.879	5137.188
45074_5074	45074	5074	-35.408	-30.655	-0.566	3.158	22.381	-5137.36
45074_5075	45074	5075	35.407	30.656	0.566	-3.158	-14.867	4730.631
45075_5075	45075	5075	-27.956	50.066	0.198	12.563	26.157	7641.896
45075_5076	45075	5076	27.957	-50.066	-0.198	-12.563	-28.492	-7053.57
45076_5076	45076	5076	-28.832	41.6	-0.181	-4.893	28.834	7053.86
45076_5077	45076	5077	28.832	-41.6	0.181	4.893	-27.344	-6710.55
45077_5077	45077	5077	-29.182	41.355	-0.144	3.126	27.302	6721
45077_5078	45077	5078	29.182	-41.356	0.144	-3.126	-25.242	-6131.26
45078_5078	45078	5078	-29.185	40.164	-0.377	-4.989	25.242	6131.325
45078_5079	45078	5079	29.185	-40.165	0.377	4.989	-21.012	-5680.88

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45079_5079	45079	5079	-29.186	40.165	-0.325	5.129	21.012	5680.878
45079_5080	45079	5080	29.186	-40.164	0.325	-5.129	-17.366	-5230.47
45080_5080	45080	5080	-29.185	39.667	-0.137	-4.254	17.366	5230.525
45080_5081	45080	5081	29.185	-39.668	0.137	4.254	-15.82	-4785.69
45081_5081	45081	5081	-29.185	39.668	-0.086	4.272	15.82	4785.694
45081_5082	45081	5082	29.185	-39.668	0.086	-4.272	-14.858	-4340.9
45082_5082	45082	5082	-29.186	38.978	-0.203	0.002	14.858	4341.048
45082_5083	45082	5083	29.186	-38.978	0.203	-0.002	-12.419	-3871.63
45083_5083	45083	5083	-29.186	38.978	-0.202	0.151	12.419	3871.63
45083_5084	45083	5084	29.186	-38.978	0.202	-0.151	-9.99	-3401.82
45084_5084	45084	5084	-29.187	38.581	-0.209	-2.547	9.99	3401.877
45084_5085	45084	5085	29.187	-38.581	0.209	2.547	-7.643	-2969.34
45085_5085	45085	5085	-29.187	38.581	-0.158	2.745	7.643	2969.339
45085_5086	45085	5086	29.187	-38.581	0.158	-2.745	-5.88	-2536.84
45086_5086	45086	5086	-29.188	37.813	-0.202	-1.86	5.88	2536.817
45086_5087	45086	5087	29.188	-37.814	0.202	1.86	-3.616	-2112.92
45087_5087	45087	5087	-29.188	37.814	-0.149	1.983	3.616	2112.919
45087_5088	45087	5088	29.188	-37.813	0.149	-1.983	-1.946	-1688.67
45088_5088	45088	5088	-29.186	38.32	-0.109	-0.467	1.946	1688.738
45088_5089	45088	5089	29.186	-38.32	0.109	0.467	-0.451	-1162.95
45089_5089	45089	5089	-29.516	38.067	-0.072	1.031	0.46	1157.41
45089_5090	45089	5090	29.516	-38.066	0.072	-1.031	0.131	-843.497
45090_5090	45090	5090	-30.041	33.778	-0.213	-0.507	-0.152	843.492
45090_5091	45090	5091	30.041	-33.778	0.213	0.507	2.648	-446.524
45091_5091	45091	5091	-33.656	38.017	-0.128	0.329	-7.786	51.976
45091_5092	45091	5092	33.656	-38.016	0.128	-0.329	9.485	452.329
45092_5092	45092	5092	-34.561	36.847	-0.063	0.292	-9.494	-452.36
45092_5093	45092	5093	34.56	-36.848	0.063	-0.292	10.278	914.17
45093_5093	45093	5093	-35.506	35.937	-0.036	-0.194	-10.344	-914.169
45093_5094	45093	5094	35.506	-35.937	0.036	0.194	10.801	1365.951
45094_5094	45094	5094	73.005	9.258	0.463	-0.034	-22.134	298.423
45094_5095	45094	5095	-73.005	-9.258	-0.463	0.034	17.734	-210.518
45095_5095	45095	5095	73.005	9.258	0.434	0.035	-17.734	213.442
45095_5096	45095	5096	-73.005	-9.258	-0.434	-0.035	14.372	-141.657
45096_5096	45096	5096	73.006	9.258	0.342	0.212	-14.372	141.657
45096_5097	45096	5097	-73.006	-9.258	-0.342	-0.212	11.72	-69.966
45097_5097	45097	5097	73.017	9.803	0.227	0.118	-11.72	69.961
45097_5098	45097	5098	-73.017	-9.803	-0.227	-0.118	9.901	8.496
45098_5098	45098	5098	73.017	9.803	0.227	0.118	-9.901	-8.496
45098_5099	45098	5099	-73.017	-9.803	-0.227	-0.118	8.082	86.952
45099_5099	45099	5099	73.018	9.803	0.139	0.013	-8.082	-86.953
45099_5100	45099	5100	-73.018	-9.803	-0.139	-0.013	6.973	165.308
45100_5100	45100	5100	73.018	10.722	0.19	-0.457	-6.973	-165.307
45100_5101	45100	5101	-73.018	-10.722	-0.19	0.457	5.832	229.659
45101_5101	45101	5101	73.019	10.722	0.068	-0.84	-5.832	-229.659
45101_5102	45101	5102	-73.019	-10.721	-0.068	0.84	5.421	294.009
45102_5102	45102	5102	73.017	10.721	0.555	1.119	-5.421	-294.008
45102_5103	45102	5103	-73.017	-10.721	-0.555	-1.119	2.09	358.371
45103_5103	45103	5103	73.017	10.721	0.437	0.542	-2.09	-358.372
45103_5104	45103	5104	-73.017	-10.722	-0.437	-0.542	-0.53	422.625
45104_5104	45104	5104	73.017	11.542	0.311	0.517	0.53	-422.625
45104_5105	45104	5105	-73.017	-11.542	-0.311	-0.517	-3.016	515.007
45105_5105	45105	5105	73.018	11.542	0.222	-0.107	3.016	-515.006

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45105_5106	45105	5106	-73.018	-11.542	-0.222	0.107	-4.791	607.269
45106_5106	45106	5106	73.018	11.542	0.219	-0.13	4.791	-607.269
45106_5107	45106	5107	-73.018	-11.542	-0.219	0.13	-6.547	699.647
45107_5107	45107	5107	73.016	12.395	0.298	0.423	6.547	-699.653
45107_5108	45107	5108	-73.016	-12.395	-0.298	-0.423	-8.862	795.748
45108_5108	45108	5108	73.016	12.395	0.301	0.452	8.862	-795.748
45108_5109	45108	5109	-73.016	-12.394	-0.301	-0.452	-11.194	891.721
45109_5109	45109	5109	73.017	12.394	0.224	-0.476	11.194	-895.615
45109_5110	45109	5110	-73.017	-12.395	-0.224	0.476	-13.325	1013.408
45110_5110	45110	5110	-35.665	-10.754	-0.007	2.379	4.367	-2910.64
45110_5111	45110	5111	35.666	10.754	0.007	-2.379	-4.288	2775.473
45111_5111	45111	5111	-35.373	-11.678	0.048	-2.104	4.678	-2775.47
45111_5112	45111	5112	35.373	11.678	-0.048	2.104	-5.28	2629.15
45112_5112	45112	5112	-35.159	-14.494	0.05	0.121	5.107	-2629.23
45112_5113	45112	5113	35.158	14.493	-0.05	-0.121	-5.781	2436.898
45113_5113	45113	5113	-25.348	67.65	0.353	9.695	-4.609	10010.29
45113_5114	45113	5114	25.349	-67.65	-0.353	-9.695	0.469	-9214.95
45114_5114	45114	5114	-26.518	60.115	0.404	-1.556	-0.211	9215.232
45114_5115	45114	5115	26.518	-60.115	-0.404	1.556	-3.116	-8719.76
45115_5115	45115	5115	-27.038	59.883	0.41	0.752	3.102	8720.924
45115_5116	45115	5116	27.038	-59.883	-0.41	-0.752	-8.954	-7868.02
45116_5116	45116	5116	-27.039	56.83	-0.531	-3.129	8.954	7868.022
45116_5117	45116	5117	27.039	-56.829	0.531	3.129	-3.01	-7230.85
45117_5117	45117	5117	-27.038	56.829	-0.506	3.32	3.01	7230.851
45117_5118	45117	5118	27.038	-56.83	0.506	-3.32	2.665	-6593.69
45118_5118	45118	5118	-27.038	56.142	0.346	-2.336	-2.665	6593.7
45118_5119	45118	5119	27.038	-56.143	-0.346	2.336	-1.21	-5964.26
45119_5119	45119	5119	-27.038	56.143	0.369	2.983	1.21	5964.257
45119_5120	45119	5120	27.038	-56.143	-0.369	-2.983	-5.356	-5334.82
45120_5120	45120	5120	-27.037	55.09	-0.238	-5.394	5.356	5334.821
45120_5121	45120	5121	27.037	-55.09	0.238	5.394	-2.497	-4670.91
45121_5121	45121	5121	-27.038	55.09	-0.17	6.184	2.497	4670.906
45121_5122	45121	5122	27.038	-55.091	0.17	-6.184	-0.446	-4007.57
45122_5122	45122	5122	-27.038	54.354	0.095	-1.024	0.446	4007.567
45122_5123	45122	5123	27.038	-54.354	-0.095	1.024	-1.519	-3398.22
45123_5123	45123	5123	-27.038	54.354	0.12	2.007	1.519	3398.218
45123_5124	45123	5124	27.038	-54.354	-0.12	-2.007	-2.862	-2788.88
45124_5124	45124	5124	-27.038	53.728	-0.033	-1.451	2.862	2788.81
45124_5125	45124	5125	27.038	-53.729	0.033	1.451	-2.488	-2186.49
45125_5125	45125	5125	-27.039	53.729	0.015	2.449	2.488	2186.484
45125_5126	45125	5126	27.039	-53.728	-0.015	-2.449	-2.655	-1584.17
45126_5126	45126	5126	-27.043	54.607	-0.122	0.066	2.655	1584.12
45126_5127	45126	5127	27.043	-54.607	0.122	-0.066	-0.984	-837.62
45127_5127	45127	5127	-27.504	54.377	-0.089	1.131	0.993	830.563
45127_5128	45127	5128	27.505	-54.377	0.089	-1.131	-0.265	-381.936
45128_5128	45128	5128	-28.316	51.525	0.154	0.603	0.27	381.894
45128_5129	45128	5129	28.316	-51.524	-0.154	-0.603	-2.09	223.708
45129_5129	45129	5129	-36.426	55.744	0.324	-0.078	6.21	-733.556
45129_5130	45129	5130	36.426	-55.744	-0.324	0.078	-10.503	1473.092
45130_5130	45130	5130	-37.682	53.428	-0.293	1.215	10.615	-1473.14
45130_5131	45130	5131	37.682	-53.428	0.293	-1.215	-6.949	2142.882
45131_5131	45131	5131	-39.067	52.424	-0.266	-0.672	6.805	-2142.88
45131_5132	45131	5132	39.067	-52.423	0.266	0.672	-3.467	2801.556

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45132_5132	45132	5132	147.419	9.919	-0.373	-0.025	-4.713	86.986
45132_5133	45132	5133	-147.419	-9.92	0.373	0.025	8.259	7.25
45133_5133	45133	5133	147.418	9.92	-0.563	0.088	-8.259	24.538
45133_5134	45133	5134	-147.418	-9.919	0.563	-0.088	12.624	52.339
45134_5134	45134	5134	147.413	9.919	1.337	0.762	-12.624	-52.333
45134_5135	45134	5135	-147.413	-9.92	-1.337	-0.762	2.253	129.313
45135_5135	45135	5135	147.405	9.054	-0.071	0.281	-2.253	-129.308
45135_5136	45135	5136	-147.405	-9.054	0.071	-0.281	2.818	201.744
45136_5136	45136	5136	147.404	9.054	-0.255	0.03	-2.818	-201.744
45136_5137	45136	5137	-147.404	-9.054	0.255	-0.03	4.859	274.178
45137_5137	45137	5137	147.404	9.054	-0.069	0.376	-4.859	-274.178
45137_5138	45137	5138	-147.404	-9.054	0.069	-0.376	5.407	346.522
45138_5138	45138	5138	147.398	9.689	0.433	0.521	-5.407	-346.532
45138_5139	45138	5139	-147.398	-9.689	-0.433	-0.521	2.807	404.671
45139_5139	45139	5139	147.398	9.689	0.188	-0.153	-2.807	-404.671
45139_5140	45139	5140	-147.398	-9.689	-0.188	0.153	1.681	462.81
45140_5140	45140	5140	147.398	9.689	0.433	0.617	-1.681	-462.81
45140_5141	45140	5141	-147.398	-9.689	-0.433	-0.617	-0.919	520.95
45141_5141	45141	5141	147.398	9.689	0.188	-0.251	0.919	-520.95
45141_5142	45141	5142	-147.398	-9.69	-0.188	0.251	-2.045	579.088
45142_5142	45142	5142	147.398	10.126	0.143	0.17	2.045	-579.1
45142_5143	45142	5143	-147.398	-10.126	-0.143	-0.17	-3.19	660.111
45143_5143	45143	5143	147.398	10.126	0.143	0.17	3.19	-660.111
45143_5144	45143	5144	-147.398	-10.126	-0.143	-0.17	-4.334	741.123
45144_5144	45144	5144	147.398	10.126	0.143	0.17	4.334	-741.123
45144_5145	45144	5145	-147.398	-10.125	-0.143	-0.17	-5.479	822.134
45145_5145	45145	5145	147.406	11.036	0.36	-0.319	5.479	-822.136
45145_5146	45145	5146	-147.406	-11.036	-0.36	0.319	-8.269	907.665
45146_5146	45146	5146	147.406	11.036	0.36	-0.319	8.269	-907.665
45146_5147	45146	5147	-147.406	-11.035	-0.36	0.319	-11.059	993.194
45147_5147	45147	5147	147.406	11.035	0.545	1.031	11.059	-1020.99
45147_5148	45147	5148	-147.406	-11.035	-0.545	-1.031	-16.238	1125.83
45148_5148	45148	5148	-31.585	-24.281	0.094	1.718	-1.444	-4236.46
45148_5149	45148	5149	31.585	24.281	-0.094	-1.718	0.263	3931.377
45149_5149	45149	5149	-30.94	-25.098	0.117	-1.412	0.017	-3931.38
45149_5150	45149	5150	30.941	25.097	-0.117	1.412	-1.485	3616.765
45150_5150	45150	5150	-30.38	-27.4	0.046	0.256	1.364	-3616.78
45150_5151	45150	5151	30.38	27.399	-0.046	-0.256	-1.976	3253.267
45151_5151	45151	5151	-31.746	64.551	0.129	1.726	-0.135	8741.155
45151_5152	45151	5152	31.746	-64.552	-0.129	-1.726	-1.38	-7982.4
45152_5152	45152	5152	-32.829	57.312	-0.03	-0.012	1.423	7982.371
45152_5153	45152	5153	32.83	-57.312	0.03	0.012	-1.176	-7509.5
45153_5153	45153	5153	-33.31	57.034	-0.03	-0.079	1.175	7505.651
45153_5154	45153	5154	33.31	-57.034	0.03	0.079	-0.761	-6721.96
45154_5154	45154	5154	-33.311	54.72	0.019	0.004	0.761	6721.957
45154_5155	45154	5155	33.311	-54.72	-0.019	-0.004	-0.967	-6120
45155_5155	45155	5155	-33.311	54.72	0.019	0.004	0.967	6120.003
45155_5156	45155	5156	33.311	-54.72	-0.019	-0.004	-1.173	-5518.05
45156_5156	45156	5156	-33.309	54.595	-0.15	0.06	1.173	5518.053
45156_5157	45156	5157	33.309	-54.595	0.15	-0.06	0.326	-4971.52
45157_5157	45157	5157	-33.309	54.595	-0.15	0.006	-0.326	4971.521
45157_5158	45157	5158	33.309	-54.596	0.15	-0.006	1.828	-4425.54
45158_5158	45158	5158	-33.311	54.185	0.014	2.07	-1.828	4425.456

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45158_5159	45158	5159	33.311	-54.184	-0.014	-2.07	1.685	-3883.05
45159_5159	45159	5159	-33.311	54.184	-0.019	-1.809	-1.685	3883.046
45159_5160	45159	5160	33.311	-54.185	0.019	1.809	1.876	-3340.63
45160_5160	45160	5160	-33.315	53.918	0.282	0.092	-1.876	3340.647
45160_5161	45160	5161	33.315	-53.918	-0.282	-0.092	-1.229	-2747.52
45161_5161	45161	5161	-33.315	53.918	0.282	0.092	1.229	2747.52
45161_5162	45161	5162	33.315	-53.918	-0.282	-0.092	-4.333	-2154.39
45162_5162	45162	5162	-33.304	55.277	-0.55	-0.276	4.333	2154.443
45162_5163	45162	5163	33.304	-55.278	0.55	0.276	3.218	-1394.87
45163_5163	45163	5163	-33.761	55	-0.525	0.746	-3.212	1396.832
45163_5164	45163	5164	33.762	-55	0.525	-0.746	7.544	-943.041
45164_5164	45164	5164	-34.573	51.84	0.411	0.169	-7.548	943.027
45164_5165	45164	5165	34.573	-51.84	-0.411	-0.169	2.718	-333.691
45165_5165	45165	5165	-38.059	58.271	0.259	0.227	-2.317	-315.046
45165_5166	45165	5166	38.059	-58.271	-0.259	-0.227	-1.117	1088.124
45166_5166	45166	5166	-39.594	58.498	-0.124	0.81	1.168	-1088.09
45166_5167	45166	5167	39.593	-58.498	0.124	-0.81	0.388	1821.374
45167_5167	45167	5167	-41.106	57.446	-0.096	-0.63	-0.512	-1821.37
45167_5168	45167	5168	41.106	-57.446	0.096	0.63	1.718	2543.103
45168_5168	45168	5168	149.028	11.487	0.383	-0.009	-7.804	346.233
45168_5169	45168	5169	-149.028	-11.487	-0.383	0.009	4.168	-237.101
45169_5169	45169	5169	149.028	11.487	0.197	0.242	-4.168	270.022
45169_5170	45169	5170	-149.028	-11.487	-0.197	-0.242	2.64	-181.109
45170_5170	45170	5170	149.027	11.487	0.388	0.01	-2.64	181.109
45170_5171	45170	5171	-149.027	-11.487	-0.388	-0.01	-0.366	-92.08
45171_5171	45171	5171	149.046	11.578	-0.076	0.063	0.366	92.073
45171_5172	45171	5172	-149.046	-11.578	0.076	-0.063	0.238	0.553
45172_5172	45172	5172	149.046	11.578	0.111	0.064	-0.238	-0.553
45172_5173	45172	5173	-149.046	-11.578	-0.111	-0.064	-0.649	93.181
45173_5173	45173	5173	149.046	11.578	0.111	0.064	0.649	-93.181
45173_5174	45173	5174	-149.046	-11.578	-0.111	-0.064	-1.536	185.809
45174_5174	45174	5174	149.044	11.981	-0.043	-0.163	1.536	-185.819
45174_5175	45174	5175	-149.044	-11.981	0.043	0.163	-1.275	257.712
45175_5175	45175	5175	149.044	11.981	0.205	0.266	1.275	-257.712
45175_5176	45175	5176	-149.044	-11.982	-0.205	-0.266	-2.504	329.606
45176_5176	45176	5176	149.044	11.982	-0.043	-0.283	2.504	-329.606
45176_5177	45176	5177	-149.044	-11.982	0.043	0.283	-2.241	401.5
45177_5177	45177	5177	149.044	11.982	0.205	0.386	2.241	-401.5
45177_5178	45177	5178	-149.044	-11.982	-0.205	-0.386	-3.47	473.395
45178_5178	45178	5178	149.04	12.199	0.349	0.307	3.47	-473.404
45178_5179	45178	5179	-149.04	-12.199	-0.349	-0.307	-6.26	571.001
45179_5179	45179	5179	149.04	12.199	0.349	0.307	6.26	-571.001
45179_5180	45179	5180	-149.04	-12.199	-0.349	-0.307	-9.05	668.6
45180_5180	45180	5180	149.04	12.199	0.162	-0.529	9.05	-668.6
45180_5181	45180	5181	-149.04	-12.199	-0.162	0.529	-10.349	766.196
45181_5181	45181	5181	149.041	13.107	0.258	0.315	10.349	-766.2
45181_5182	45181	5182	-149.041	-13.107	-0.258	-0.315	-12.355	867.784
45182_5182	45182	5182	149.041	13.107	0.067	-0.804	12.355	-867.783
45182_5183	45182	5183	-149.041	-13.107	-0.067	0.804	-12.871	969.365
45183_5183	45183	5183	149.041	13.107	0.254	0.458	12.871	-995.81
45183_5184	45183	5184	-149.041	-13.107	-0.254	-0.458	-15.282	1120.332
45184_5184	45184	5184	-35.194	-28.026	-0.06	-1.422	11.058	-4273.6
45184_5185	45184	5185	35.194	28.026	0.06	1.422	-10.306	3921.51

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45185_5185	45185	5185	-34.453	-28.931	-0.085	1.439	10.034	-3921.51
45185_5186	45185	5186	34.454	28.932	0.085	-1.439	-8.96	3558.865
45186_5186	45186	5186	-33.79	-30.694	0.063	0.088	9.049	-3558.82
45186_5187	45186	5187	33.79	30.694	-0.063	-0.088	-9.89	3151.629
45187_5187	45187	5187	-22.482	63.602	-0.434	-2.641	-4.131	8901.634
45187_5188	45187	5188	22.482	-63.602	0.434	2.641	9.232	-8154.06
45188_5188	45188	5188	-23.543	55.523	0.354	-0.525	-9.288	8154.11
45188_5189	45188	5189	23.544	-55.523	-0.354	0.525	6.366	-7696.56
45189_5189	45189	5189	-23.998	55.328	0.355	-0.432	-6.37	7692.426
45189_5190	45189	5190	23.998	-55.328	-0.355	0.432	1.49	-6931.63
45190_5190	45190	5190	-23.996	54.964	0.161	-0.499	-1.49	6931.626
45190_5191	45190	5191	23.996	-54.963	-0.161	0.499	-0.281	-6326.99
45191_5191	45191	5191	-23.996	54.963	0.161	-0.499	0.281	6326.986
45191_5192	45191	5192	23.996	-54.964	-0.161	0.499	-2.053	-5722.35
45192_5192	45192	5192	-23.984	55.289	-1.02	-0.404	2.053	5722.353
45192_5193	45192	5193	23.984	-55.289	1.02	0.404	8.165	-5168.32
45193_5193	45193	5193	-23.984	55.289	-1.019	-0.348	-8.165	5168.323
45193_5194	45193	5194	23.984	-55.289	1.019	0.348	18.392	-4613.74
45194_5194	45194	5194	-24.004	55.101	0.271	-0.276	-18.392	4613.698
45194_5195	45194	5195	24.004	-55.101	-0.271	0.276	15.668	-4061
45195_5195	45195	5195	-24.004	55.101	0.271	-0.276	-15.668	4061.004
45195_5196	45195	5196	24.004	-55.101	-0.271	0.276	12.944	-3508.31
45196_5196	45196	5196	-23.998	54.906	-0.117	-0.161	-12.944	3508.307
45196_5197	45196	5197	23.998	-54.905	0.117	0.161	14.229	-2904.31
45197_5197	45197	5197	-23.998	54.905	-0.117	-0.161	-14.229	2904.314
45197_5198	45197	5198	23.998	-54.905	0.117	0.161	15.515	-2300.32
45198_5198	45198	5198	-23.994	56.432	-0.427	0.078	-15.515	2300.323
45198_5199	45198	5199	23.994	-56.432	0.427	-0.078	21.374	-1524.9
45199_5199	45199	5199	-24.45	56.236	-0.426	0.168	-21.373	1530.227
45199_5200	45199	5200	24.45	-56.236	0.426	-0.168	24.89	-1066.24
45200_5200	45200	5200	-25.238	52.164	0.273	0.098	-24.895	1066.204
45200_5201	45200	5201	25.237	-52.164	-0.273	-0.098	21.68	-453.069
45201_5201	45201	5201	-29.62	59.32	0.212	0.74	-25.984	-268.312
45201_5202	45201	5202	29.62	-59.32	-0.212	-0.74	23.165	1055.269
45202_5202	45202	5202	-31.064	58.855	-0.161	-0.283	-23.255	-1055.28
45202_5203	45202	5203	31.064	-58.855	0.161	0.283	25.274	1792.956
45203_5203	45203	5203	-32.556	58.042	-0.182	1.789	-25.132	-1792.96
45203_5204	45203	5204	32.556	-58.043	0.182	-1.789	27.424	2522.049
45204_5204	45204	5204	168.455	11.14	1.503	1.069	-71.944	530.936
45204_5205	45204	5205	-168.455	-11.14	-1.503	-1.069	57.66	-425.096
45205_5205	45205	5205	168.453	11.14	1.687	0.115	-57.66	474.229
45205_5206	45205	5206	-168.453	-11.141	-1.687	-0.115	44.59	-387.884
45206_5206	45206	5206	168.455	11.141	1.469	0.615	-44.59	387.883
45206_5207	45206	5207	-168.455	-11.14	-1.469	-0.615	33.205	-301.54
45207_5207	45207	5207	168.474	11.418	0.485	0.866	-33.205	301.549
45207_5208	45207	5208	-168.474	-11.418	-0.485	-0.866	29.321	-210.198
45208_5208	45208	5208	168.474	11.418	0.485	0.866	-29.321	210.198
45208_5209	45208	5209	-168.474	-11.418	-0.485	-0.866	25.438	-118.846
45209_5209	45209	5209	168.474	11.418	0.485	0.866	-25.438	118.846
45209_5210	45209	5210	-168.474	-11.419	-0.485	-0.866	21.555	-27.495
45210_5210	45210	5210	168.461	12.156	1.178	0.936	-21.555	27.494
45210_5211	45210	5211	-168.461	-12.155	-1.178	-0.936	14.487	45.444
45211_5211	45211	5211	168.458	12.155	1.459	1.011	-14.487	-45.443

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45211_5212	45211	5212	-168.458	-12.156	-1.459	-1.011	5.736	118.382
45212_5212	45212	5212	168.461	12.156	1.178	0.814	-5.736	-118.384
45212_5213	45212	5213	-168.461	-12.156	-1.178	-0.814	-1.331	191.323
45213_5213	45213	5213	168.458	12.156	1.459	1.132	1.331	-191.321
45213_5214	45213	5214	-168.458	-12.156	-1.459	-1.132	-10.083	264.261
45214_5214	45214	5214	168.467	12.819	0.84	1.127	10.083	-264.257
45214_5215	45214	5215	-168.467	-12.82	-0.84	-1.127	-16.809	366.818
45215_5215	45215	5215	168.468	12.82	0.63	0.669	16.809	-366.818
45215_5216	45215	5216	-168.468	-12.82	-0.63	-0.669	-21.85	469.379
45216_5216	45216	5216	168.467	12.82	0.84	1.255	21.85	-469.377
45216_5217	45216	5217	-168.467	-12.82	-0.84	-1.255	-28.575	571.937
45217_5217	45217	5217	168.457	13.626	0.999	3.234	28.575	-571.907
45217_5218	45217	5218	-168.457	-13.627	-0.999	-3.234	-36.31	677.384
45218_5218	45218	5218	168.458	13.627	0.779	2.35	36.31	-677.388
45218_5219	45218	5219	-168.458	-13.626	-0.779	-2.35	-42.35	782.999
45219_5219	45219	5219	168.46	13.626	-0.251	-2.495	42.35	-823.113
45219_5220	45219	5220	-168.46	-13.627	0.251	2.495	-39.973	952.567
45220_5220	45220	5220	-24.975	-26.412	-0.139	7.654	1.527	-4285.71
45220_5221	45220	5221	24.975	26.412	0.139	-7.654	0.213	3953.996
45221_5221	45221	5221	-24.296	-27.038	-0.067	-4.963	0.891	-3954
45221_5222	45221	5222	24.296	27.038	0.067	4.963	-0.049	3615.147
45222_5222	45222	5222	-23.7	-29.27	2.351	-0.671	-0.276	-3615.22
45222_5223	45222	5223	23.7	29.27	-2.351	0.671	-30.907	3226.922
45223_5223	45223	5223	-24.39	68.475	2.455	28.764	48.796	9354.103
45223_5224	45223	5224	24.391	-68.475	-2.455	-28.764	-77.647	-8549.2
45224_5224	45224	5224	-25.547	60.56	-2.541	-18.064	78.439	8549.906
45224_5225	45224	5225	25.547	-60.559	2.541	18.064	-57.473	-8050.19
45225_5225	45225	5225	-26.038	60.354	-2.441	12.387	57.326	8050.021
45225_5226	45225	5226	26.038	-60.353	2.441	-12.387	-19.628	-7117.93
45226_5226	45226	5226	-26.046	59.785	1.122	-12.762	19.628	7117.851
45226_5227	45226	5227	26.046	-59.785	-1.122	12.762	-32.928	-6409.16
45227_5227	45227	5227	-26.041	59.785	1.232	14.26	32.928	6409.157
45227_5228	45227	5228	26.041	-59.785	-1.232	-14.26	-47.531	-5700.38
45228_5228	45228	5228	-25.988	60.764	-2.945	-9.88	47.531	5699.868
45228_5229	45228	5229	25.988	-58.69	2.945	9.88	-12.617	-4991.72
45229_5229	45229	5229	-26	58.69	-2.835	11.156	12.617	4991.715
45229_5230	45229	5230	26	-56.615	2.835	-11.156	21.003	-4308.07
45230_5230	45230	5230	-26.038	57.945	-1.473	-6.5	-21.003	4307.275
45230_5231	45230	5231	26.038	-55.812	1.473	6.5	38.96	-3613.94
45231_5231	45231	5231	-26.043	55.812	-1.388	5.348	-38.96	3613.939
45231_5232	45231	5232	26.043	-53.678	1.388	-5.348	55.881	-2946.52
45232_5232	45232	5232	-26.435	52.742	15.545	-2.882	-55.881	2946.018
45232_5233	45232	5233	26.435	-51.134	-15.545	2.882	-86.992	-2468.68
45233_5233	45233	5233	-26.747	50.959	15.585	0.214	86.995	2468.686
45233_5234	45233	5234	26.739	-49.754	-15.585	-0.214	-194.352	-2121.82
45234_5234	45234	5234	-27.253	49.455	15.646	2.989	194.428	2121.812
45234_5235	45234	5235	27.229	-48.101	-15.646	-2.989	-315.554	-1744.25
45235_5235	45235	5235	-26.709	50.571	-18.173	3.468	315.669	1744.344
45235_5236	45235	5236	26.683	-49.631	18.173	-3.468	-218.091	-1475.39
45236_5236	45236	5236	-15.085	64.364	-17.724	-2.451	131.146	-196.856
45236_5237	45236	5237	15.023	-62.884	17.724	2.451	18.806	735.051
45237_5237	45237	5237	-15.906	62.673	-17.697	-3.706	-18.923	-735.043
45237_5238	45237	5238	15.842	-61.519	17.697	3.706	135.754	1144.839

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45238_5238	45238	5238	-17.565	60.92	-1.296	-2.091	-135.827	-1144.64
45238_5239	45238	5239	17.442	-59.196	1.296	2.091	148.617	1736.778
45239_5239	45239	5239	-20.245	58.297	-1.266	0.96	-149.031	-1736.74
45239_5240	45239	5240	20.023	-56.439	1.266	-0.96	162.522	2347.607
45240_5240	45240	5240	172.048	16.807	10.385	0.619	-207.182	580.815
45240_5241	45240	5241	-172.048	-14.657	-10.385	-0.619	79.588	-387.528
45241_5241	45241	5241	172.09	14.657	9.676	1.492	-79.588	400.37
45241_5242	45241	5242	-172.09	-13.632	-9.676	-1.492	22.939	-317.565
45242_5242	45242	5242	172.097	13.632	9.544	1.736	-22.939	317.564
45242_5243	45242	5243	-172.097	-12.519	-9.544	-1.736	-37.721	-234.456
45243_5243	45243	5243	172.677	18.581	-0.835	0.76	37.721	234.357
45243_5244	45243	5244	-172.677	-16.862	0.835	-0.76	-29.518	-60.217
45244_5244	45244	5244	172.673	16.862	-1.415	0.962	29.518	60.215
45244_5245	45244	5245	-172.673	-15.149	1.415	-0.962	-15.674	96.457
45245_5245	45245	5245	172.561	15.882	0.368	1.018	15.674	-96.446
45245_5246	45245	5246	-172.561	-14.108	-0.368	-1.018	-19.404	248.525
45246_5246	45246	5246	172.561	14.108	-0.217	0.176	19.404	-248.528
45246_5247	45246	5247	-172.561	-12.449	0.217	-0.176	-17.348	374.435
45247_5247	45247	5247	172.484	13.384	1.044	1.215	17.348	-374.344
45247_5248	45247	5248	-172.484	-11.758	-1.044	-1.215	-27.045	491.174
45248_5248	45248	5248	172.486	11.758	0.509	-0.306	27.045	-491.175
45248_5249	45248	5249	-172.486	-9.95	-0.509	0.306	-32.302	603.297
45249_5249	45249	5249	172.487	10.306	0.006	1.181	32.302	-603.173
45249_5250	45249	5250	-172.487	-8.536	-0.006	-1.181	-32.37	698.436
45250_5250	45250	5250	172.486	8.536	-0.441	-0.633	32.37	-698.437
45250_5251	45250	5251	-172.486	-6.871	0.441	0.633	-28.171	771.712
45251_5251	45251	5251	172.419	9.689	1.209	2.202	28.171	-771.553
45251_5252	45251	5252	-172.419	-8.63	-1.209	-2.202	-35.479	826.946
45252_5252	45252	5252	172.421	8.63	0.94	0.917	35.479	-826.948
45252_5253	45252	5253	-172.421	-7.535	-0.94	-0.917	-41.366	877.541
45253_5253	45253	5253	172.423	7.535	0.494	-1.351	41.366	-879.184
45253_5254	45253	5254	-172.423	-5.872	-0.494	1.351	-46.057	942.85
45254_5254	45254	5254	-13.039	-20.015	0.631	-0.357	-17.128	-4353.67
45254_5255	45254	5255	13.088	20.485	-0.631	0.357	15.425	4299.135
45255_5255	45255	5255	-12.816	-21.183	0.869	7.702	-16.126	-4299.02
45255_5256	45255	5256	13.012	23.38	-0.869	-7.702	5.193	4019.235
45256_5256	45256	5256	-12.516	-23.647	0.912	-7.866	-3.963	-4019.24
45256_5257	45256	5257	12.625	25.243	-0.912	7.866	-4.355	3796.424
45257_5257	45257	5257	-12.186	-24.934	-1.867	10.865	3.232	-3795.94
45257_5258	45257	5258	12.247	26.072	1.867	-10.865	8.92	3630.08
45258_5258	45258	5258	-11.929	-26.221	-1.841	2.351	-8.428	-3630.1
45258_5259	45258	5259	11.983	27.523	1.841	-2.351	22.132	3430.192
45259_5259	45259	5259	-11.545	-27.712	-1.809	-6.744	-21.852	-3434.83
45259_5260	45259	5260	11.579	29.056	1.809	6.744	35.751	3216.824
45260_5260	45260	5260	-54.526	-53.666	2.331	-30.487	-8.353	8181.315
45260_5261	45260	5261	54.542	54.7	-2.331	30.487	-5.428	-8501.5
45261_5261	45261	5261	-54.034	-55.193	2.526	0.101	4.962	8501.554
45261_5262	45261	5262	54.041	56.315	-2.526	-0.101	-21.136	-8858.66
45262_5262	45262	5262	-53.691	-56.645	2.587	10.342	21.136	8862.863
45262_5263	45262	5263	53.691	58.778	-2.587	-10.342	-52.663	-9566.24
45263_5263	45263	5263	-53.663	-62.946	-3.958	-17.221	52.663	9565.907
45263_5264	45263	5264	53.663	64.944	3.958	17.221	-7.467	-10296.1
45264_5264	45264	5264	-53.674	-64.944	-3.804	12.354	7.467	10296.08

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45264_5265	45264	5265	53.674	66.98	3.804	-12.354	36.79	-11063.5
45265_5265	45265	5265	-53.687	-65.443	-3.803	-26.024	-36.79	11063.65
45265_5266	45265	5266	53.687	67.483	3.803	26.024	81.128	-11838.6
45266_5266	45266	5266	-53.702	-67.483	-3.591	20.853	-81.128	11838.59
45266_5267	45266	5267	53.702	69.477	3.591	-20.853	122.032	-12618.8
45267_5267	45267	5267	-53.661	-69.01	1.595	-35.941	-122.032	12619.58
45267_5268	45267	5268	53.661	71.03	-1.595	35.941	103.636	-13427.5
45268_5268	45268	5268	-53.653	-71.03	1.85	28.252	-103.636	13427.54
45268_5269	45268	5269	53.653	73.044	-1.85	-28.252	82.341	-14256.4
45269_5269	45269	5269	-53.818	-72.073	-8.262	-40.613	-82.341	14257.86
45269_5270	45269	5270	53.818	73.624	8.262	40.613	155.551	-14903.4
45270_5270	45270	5270	-53.842	-73.624	-8.106	2.496	-155.551	14903.46
45270_5271	45270	5271	53.842	75.168	8.106	-2.496	227.084	-15560
45271_5271	45271	5271	-53.383	-75.508	-7.984	38.753	-226.843	15562.53
45271_5272	45271	5272	53.376	76.628	7.984	-38.753	277.949	-16049.5
45272_5272	45272	5272	-52.13	-85.199	9.028	-47.313	-279.028	16051.43
45272_5273	45272	5273	52.109	86.43	-9.028	47.313	215.546	-16654.9
45273_5273	45273	5273	-51.166	-86.98	9.135	-11.805	-215.122	16654.93
45273_5274	45273	5274	51.134	88.126	-9.135	11.805	155.294	-17228.4
45274_5274	45274	5274	-49.637	-88.965	9.269	36.195	-153.46	17241.24
45274_5275	45274	5275	49.55	90.917	-9.269	-36.195	50.048	-18244.8
45275_5275	45275	5275	-48.977	-89.734	-29.558	-41.983	-54.36	18248.02
45275_5276	45275	5276	48.868	91.457	29.558	41.983	345.583	-19140.8
45276_5276	45276	5276	-47.303	-92.347	-29.334	42.454	-339.911	19140.94
45276_5277	45276	5277	47.167	94.017	29.334	-42.454	620.262	-20031.8
45277_5277	45277	5277	-2.47	39.275	-2.501	-6.451	15.344	-463.105
45277_5278	45277	5278	2.336	-37.923	2.501	6.451	4.02	761.604
45278_5278	45278	5278	107.554	25.823	-3.685	3.537	-46.904	1254.753
45278_5279	45278	5279	-107.554	-24.162	3.685	-3.537	81.873	-1017.56
45279_5279	45279	5279	107.542	24.162	-4.006	7.021	-81.873	1029.477
45279_5280	45279	5280	-107.542	-23.018	4.006	-7.021	108.045	-875.354
45280_5280	45280	5280	107.633	15.394	2.022	0.884	-108.045	875.471
45280_5281	45280	5281	-107.633	-13.354	-2.022	-0.884	84.458	-707.835
45281_5281	45281	5281	107.638	13.354	1.741	2.734	-84.458	707.831
45281_5282	45281	5282	-107.638	-11.181	-1.741	-2.734	62.852	-555.601
45282_5282	45282	5282	107.675	29.046	3.257	0.766	-62.852	499.929
45282_5283	45282	5283	-107.675	-26.877	-3.257	-0.766	22.503	-153.523
45283_5283	45283	5283	107.685	26.877	2.922	1.243	-22.503	153.521
45283_5284	45283	5284	-107.685	-24.833	-2.922	-1.243	-11.641	148.568
45284_5284	45284	5284	107.663	12.986	0.363	1.55	11.641	-148.587
45284_5285	45284	5285	-107.663	-11.013	-0.363	-1.55	-15.729	283.887
45285_5285	45285	5285	107.662	11.013	0.106	0.872	15.729	-283.891
45285_5286	45285	5286	-107.662	-9.25	-0.106	-0.872	-16.791	385.909
45286_5286	45286	5286	107.64	14.733	1.894	2.104	16.791	-385.902
45286_5287	45286	5287	-107.64	-12.736	-1.894	-2.104	-38.397	542.615
45287_5287	45287	5287	107.646	12.736	1.523	0.234	38.397	-542.619
45287_5288	45287	5288	-107.646	-10.73	-1.523	-0.234	-55.859	677.179
45288_5288	45288	5288	107.608	14.8	-1.151	-2.044	55.859	-677.181
45288_5289	45288	5289	-107.608	-14.101	1.151	2.044	-51.258	734.965
45289_5289	45289	5289	107.606	14.101	-1.303	-3.147	51.258	-739.874
45289_5290	45289	5290	-107.606	-12.438	1.303	3.147	-38.877	865.932
45290_5290	45290	5290	-5.511	1.992	-1.719	6.098	-43.546	-3161.86
45290_5291	45290	5291	5.687	-0.173	1.719	-6.098	61.475	3173.435

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45291_5291	45291	5291	-5.611	0.094	2.68	6.695	-61.235	-3173.62
45291_5292	45291	5292	5.746	1.8	-2.68	-6.695	32.161	3164.57
45292_5292	45292	5292	-5.692	-1.936	2.702	-4.485	-31.424	-3164.58
45292_5293	45292	5293	5.773	3.636	-2.702	4.485	5.153	3137.604
45293_5293	45293	5293	-5.746	-3.589	-0.274	9.793	-5.65	-3137.92
45293_5294	45293	5294	5.783	4.866	0.274	-9.793	7.647	3107.127
45294_5294	45294	5294	-5.696	-4.969	-0.26	2.344	-7.385	-3108.22
45294_5295	45294	5295	5.711	6.305	0.26	-2.344	9.37	3065.215
45295_5295	45295	5295	-5.642	-6.367	-0.246	-5.065	-9.34	-3065.21
45295_5296	45295	5296	5.642	7.802	0.246	5.065	11.358	3007.113
45296_5296	45296	5296	4.781	-28.114	0.957	13.864	-39.778	-6903.08
45296_5297	45296	5297	-4.781	28.841	-0.957	-13.864	35.809	6784.928
45297_5297	45297	5297	4.782	-28.841	0.951	6.173	-35.809	-6786.22
45297_5298	45297	5298	-4.782	30.461	-0.951	-6.173	26.997	6511.561
45298_5298	45298	5298	4.785	-30.461	0.94	-9.32	-26.997	-6511.56
45298_5299	45298	5299	-4.785	32.066	-0.94	9.32	18.382	6225.012
45299_5299	45299	5299	4.781	-27.34	0.365	13.96	-18.382	-6225.49
45299_5300	45299	5300	-4.781	29.382	-0.365	-13.96	14.125	5894.641
45300_5300	45300	5300	4.782	-29.382	0.346	-8.897	-14.125	-5894.65
45300_5301	45300	5301	-4.782	31.551	-0.346	8.897	9.833	5517.022
45301_5301	45301	5301	4.791	-30.757	0.909	11.595	-9.833	-5517.47
45301_5302	45301	5302	-4.791	32.946	-0.909	-11.595	-1.548	5119.061
45302_5302	45302	5302	4.794	-32.946	0.891	-8.08	1.548	-5119.07
45302_5303	45302	5303	-4.794	34.965	-0.891	8.08	-11.836	4727.126
45303_5303	45303	5303	4.795	-32.165	0.727	10.495	11.836	-4727.47
45303_5304	45303	5304	-4.795	34.442	-0.727	-10.495	-21.292	4294.116
45304_5304	45304	5304	4.798	-34.442	0.705	-8.144	21.292	-4294.12
45304_5305	45304	5305	-4.798	36.375	-0.705	8.144	-29.091	3902.941
45305_5305	45305	5305	4.803	-33.398	0.995	7.217	29.091	-3903.23
45305_5306	45305	5306	-4.803	35.508	-0.995	-7.217	-41.081	3487.845
45306_5306	45306	5306	4.806	-35.508	0.979	-4.124	41.081	-3487.85
45306_5307	45306	5307	-4.806	37.605	-0.979	4.124	-52.812	3049.763
45307_5307	45307	5307	4.804	-35.713	-0.006	6.335	52.812	-3049.99
45307_5308	45307	5308	-4.804	37.792	0.006	-6.335	-52.739	2613.277
45308_5308	45308	5308	4.804	-37.792	-0.025	-4.011	52.739	-2613.28
45308_5309	45308	5309	-4.804	39.923	0.025	4.011	-52.431	2140.225
45309_5309	45309	5309	4.88	-34.702	7.022	3.817	52.431	-2140.36
45309_5310	45309	5310	-4.88	36.81	-7.022	-3.817	-137.033	1709.564
45310_5310	45310	5310	4.906	-36.81	7.004	-2.519	137.033	-1709.57
45310_5311	45310	5311	-4.906	38.909	-7.004	2.519	-221.065	1255.317
45311_5311	45311	5311	4.766	-52.015	-9.424	2.261	221.065	-1255.38
45311_5312	45311	5312	-4.766	54.221	9.424	-2.261	-102.314	586.059
45312_5312	45312	5312	4.721	-54.221	-9.447	-0.494	102.314	-586.064
45312_5313	45312	5313	-4.721	56.116	9.447	0.494	0	-11.465

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1	2	3	4	5	6	7	8	9	14
5000_5000	5000	5000	3.796	114.564	0.661	0.305	0	11.468	1
5000_5001	5000	5001	111.651	-106.808	-0.661	-0.305	-8.414	863.483	1
5001_5001	5001	5001	-111.647	106.808	0.661	0.046	8.414	-863.484	1
5001_5002	5001	5002	195.767	-100.781	-0.661	-0.046	-14.945	1501.011	1
5002_5002	5002	5002	-195.802	84.422	-0.688	0.476	14.945	-1501.03	1
5002_5003	5002	5003	276.168	-77.019	0.688	-0.476	-6.595	2110.111	1
5003_5003	5003	5003	-276.173	77.019	-0.688	-0.244	6.595	-2110.11	1
5003_5004	5003	5004	349.097	-69.622	0.688	0.244	1.757	2662.785	1
5004_5004	5004	5004	-349.083	55.074	0.116	0.307	-1.757	-2662.83	1
5004_5005	5004	5005	400.209	-47.673	-0.116	-0.307	0.343	3050.301	1
5005_5005	5005	5005	-400.209	47.673	0.116	-0.32	-0.343	-3050.3	1
5005_5006	5005	5006	443.998	-40.267	-0.116	0.32	-1.066	3382.173	1
5006_5006	5006	5006	-444.007	24.438	-0.01	0.617	1.066	-3382.22	1
5006_5007	5006	5007	464.641	-17.039	0.01	-0.617	-0.948	3538.596	1
5007_5007	5007	5007	-464.641	17.039	-0.011	-0.676	0.948	-3538.6	1
5007_5008	5007	5008	477.911	-9.641	0.011	0.676	-0.82	3639.166	1
5008_5008	5008	5008	-477.913	-5.882	0.054	0.584	0.82	-3639.21	1
5008_5009	5008	5009	468.374	13.285	-0.054	-0.584	-1.472	3566.904	1
5009_5009	5009	5009	-468.373	-13.285	0.053	-0.719	1.472	-3566.9	1
5009_5010	5009	5010	451.468	20.686	-0.053	0.719	-2.115	3438.782	1
5010_5010	5010	5010	-451.476	-36.318	0.022	-0.104	2.115	-3438.84	1
5010_5011	5010	5011	411.655	43.718	-0.022	0.104	-2.384	3137.047	1
5011_5011	5011	5011	-411.655	-43.718	0.022	-0.104	2.384	-3137.05	1
5011_5012	5011	5012	364.47	51.118	-0.022	0.104	-2.653	2779.442	1
5012_5012	5012	5012	-364.48	-66.468	-0.103	0.059	2.653	-2779.49	1
5012_5013	5012	5013	294.618	73.871	0.103	-0.059	-1.408	2250.023	1
5013_5013	5013	5013	-294.619	-73.871	-0.103	-0.304	1.408	-2250.02	1
5013_5014	5013	5014	217.46	81.268	0.103	0.304	-0.159	1665.253	1
5014_5014	5014	5014	-217.451	-96.179	0.281	-0.042	0.159	-1665.27	1
5014_5015	5014	5015	83.606	106.024	-0.281	0.042	-4.691	650.884	1
5015_5015	5015	5015	-90.324	-105.515	0.192	-0.165	3.203	-665.09	1
5015_5016	5015	5016	9.925	110.517	-0.192	0.169	-4.784	95.794	1
5016_5016	5016	5016	-7.692	-125.907	-0.122	-0.117	4.784	-95.785	1
5016_5017	5016	5017	-114.982	132.966	0.122	0.106	-3.346	-890.363	1.06
5017_5017	5017	5017	117.138	-132.411	-0.123	-0.097	3.35	894.583	1.06
5017_5018	5017	5018	-220.205	140.902	0.123	0.079	-1.72	-2130.33	1.03
5018_5018	5018	5018	224.406	-155.543	0.015	-0.308	1.696	2130.318	1.03
5018_5019	5018	5019	-292.323	164.035	-0.015	0.31	-1.879	-3558.31	1.02
5019_5019	5019	5019	295.863	-163.1	0.014	0.103	1.934	3558.313	1.02
5019_5020	5019	5020	-328.155	171.988	-0.014	-0.1	-2.114	-5134.44	1.02
5020_5020	5020	5020	-279.34	58.629	-0.358	-0.099	7.899	1079.842	1.02
5020_5021	5020	5021	326.706	-52.973	0.358	0.099	-4.497	-739.416	1
5021_5021	5021	5021	-304.081	52.791	-0.273	-0.019	3.538	629.141	1
5021_5022	5021	5022	340.674	-48.187	0.273	0.019	-1.419	-383.941	1
5022_5022	5022	5022	-340.676	48.187	-0.211	0.023	1.419	383.94	1
5022_5023	5022	5023	373.888	-43.59	0.211	-0.023	0.218	-161.399	1
5023_5023	5023	5023	-373.893	29.691	-0.085	-0.027	-0.218	161.397	1
5023_5024	5023	5024	394.325	-24.939	0.085	0.027	0.899	-24.49	1
5024_5024	5024	5024	-394.324	24.939	-0.159	-0.03	-0.899	24.49	1
5024_5025	5024	5025	411.185	-20.193	0.159	0.03	2.173	88.49	1
5025_5025	5025	5025	-411.187	20.193	-0.018	-0.052	-2.173	-88.489	1
5025_5026	5025	5026	424.513	-15.442	0.018	0.052	2.316	177.783	1
5026_5026	5026	5026	-424.516	0.465	-0.072	-0.031	-2.316	-177.785	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5026_5027	5026	5027	423.778	3.098	0.072	0.031	2.751	172.836	1
5027_5027	5027	5027	-423.778	-3.098	-0.082	-0.029	-2.751	-172.836	1
5027_5028	5027	5028	421.047	6.655	0.082	0.029	3.24	154.538	1
5028_5028	5028	5028	-421.047	-6.655	-0.072	-0.031	-3.24	-154.538	1
5028_5029	5028	5029	416.315	10.218	0.072	0.031	3.675	122.829	1
5029_5029	5029	5029	-416.315	-10.218	0.017	-0.05	-3.675	-122.829	1
5029_5030	5029	5030	409.586	13.78	-0.017	0.05	3.572	77.738	1
5030_5030	5030	5030	-409.59	-28.574	-0.031	-0.039	-3.572	-77.746	1
5030_5031	5030	5031	386.449	33.323	0.031	0.039	3.816	-77.314	1
5031_5031	5031	5031	-386.449	-33.323	0.037	-0.03	-3.816	77.314	1
5031_5032	5031	5032	359.761	38.072	-0.037	0.03	3.523	-256.147	1
5032_5032	5032	5032	-359.761	-38.072	0.037	-0.03	-3.523	256.147	1
5032_5033	5032	5033	329.522	42.821	-0.037	0.03	3.23	-458.769	1
5033_5033	5033	5033	-329.519	-57.089	0.125	-0.079	-3.23	458.783	1
5033_5034	5033	5034	286.521	61.688	-0.125	0.079	2.263	-746.899	1
5034_5034	5034	5034	-286.521	-61.688	0.125	-0.079	-2.263	746.899	1
5034_5035	5034	5035	240.194	66.287	-0.125	0.079	1.295	-1057.33	1
5035_5035	5035	5035	-267.157	-66.541	0.235	0.071	-1.7	1188.876	1
5035_5036	5035	5036	208.712	72.187	-0.235	-0.071	-0.526	-1612.3	1.01
5036_5036	5036	5036	377.135	147.02	0.078	-0.816	-1.57	5883.658	1.01
5036_5037	5036	5037	-371.914	-137.941	-0.078	0.802	0.593	-4483.3	1.02
5037_5037	5037	5037	368.889	139.217	0.074	0.673	-0.769	4483.298	1.02
5037_5038	5037	5038	-336.746	-130.479	-0.074	-0.686	-0.155	-3219.95	1.02
5038_5038	5038	5038	333.082	116.273	-0.081	-0.237	0.246	3220.095	1.02
5038_5039	5038	5039	-275.416	-107.564	0.081	0.248	0.825	-2156.03	1.03
5039_5039	5039	5039	274.798	108.941	-0.084	0.223	-0.854	2146.177	1.03
5039_5040	5039	5040	-190.892	-101.852	0.084	-0.216	1.838	-1312.03	1.05
5040_5040	5040	5040	189.073	87.01	0.092	-0.036	-1.825	1312.102	1.05
5040_5041	5040	5041	-130.681	-82.151	-0.092	0.034	1.065	-858.096	1.07
5041_5041	5041	5041	141.652	81.935	0.043	0.017	-0.502	800.691	1.07
5041_5042	5041	5042	-20.68	-72.778	-0.043	-0.017	-0.173	-68.205	1
5042_5042	5042	5042	20.676	57.819	-0.023	0.01	0.173	68.206	1
5042_5043	5042	5043	43.784	-50.873	0.023	-0.01	0.103	322.102	1
5043_5043	5043	5043	-43.784	50.873	-0.023	0.01	-0.103	-322.102	1
5043_5044	5043	5044	100.006	-43.928	0.023	-0.01	0.378	662.526	1
5044_5044	5044	5044	-100.006	29.132	0.008	0.005	-0.378	-662.535	1
5044_5045	5044	5045	130.457	-22.182	-0.008	-0.005	0.28	846.917	1
5045_5045	5045	5045	-130.457	22.182	0.008	0.01	-0.28	-846.917	1
5045_5046	5045	5046	152.644	-15.238	-0.008	-0.01	0.181	981.261	1
5046_5046	5046	5046	-152.647	0.339	-0.001	0.075	-0.181	-981.275	1
5046_5047	5046	5047	148.927	6.61	0.001	-0.075	0.187	958.748	1
5047_5047	5047	5047	-148.927	-6.61	-0.002	-0.057	-0.187	-958.748	1
5047_5048	5047	5048	136.976	13.552	0.002	0.057	0.209	886.384	1
5048_5048	5048	5048	-136.978	-28.271	-0.015	0.058	-0.209	-886.397	1
5048_5049	5048	5049	99.315	35.219	0.015	-0.058	0.387	658.346	1
5049_5049	5049	5049	-99.316	-35.219	-0.016	-0.037	-0.387	-658.346	1
5049_5050	5049	5050	53.416	42.166	0.016	0.037	0.581	380.426	1
5050_5050	5050	5050	-53.411	-56.408	0.048	-0.006	-0.581	-380.431	1
5050_5051	5050	5051	-41.862	65.556	-0.048	0.006	-0.171	-196.444	1.15
5051_5051	5051	5051	41.128	-65.58	0.055	0.028	0.201	202.826	1.15
5051_5052	5051	5052	-92.403	70.395	-0.055	-0.027	-0.652	-554.41	1.06
5052_5052	5052	5052	93.938	-85.385	-0.017	-0.118	0.648	554.406	1.06
5052_5053	5052	5053	-175.542	92.261	0.017	0.116	-0.453	-1225.76	1.03
5053_5053	5053	5053	164.243	-92.041	-0.025	0.216	0.637	1294.926	1.03

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5053_5054	5053	5054	-223.206	100.168	0.025	-0.219	-0.303	-2197.08	1.02
5054_5054	5054	5054	226.434	-113.571	-0.018	-0.452	0.262	2197.058	1.02
5054_5055	5054	5055	-265.625	121.637	0.018	0.449	-0.031	-3282.12	1.01
5055_5055	5055	5055	268.277	-120.485	-0.021	0.499	0.105	3282.123	1.01
5055_5056	5055	5056	-283.999	128.851	0.021	-0.503	0.154	-4483.65	1.01
5056_5056	5056	5056	-205.566	65.562	-0.099	0.04	0.985	1151.952	1.01
5056_5057	5056	5057	256.914	-60.112	0.099	-0.04	-0.045	-761.768	1
5057_5057	5057	5057	-254.612	60.104	-0.105	-0.008	0.04	745.651	1
5057_5058	5057	5058	293.286	-55.655	0.105	0.008	0.775	-451.808	1
5058_5058	5058	5058	-293.287	55.655	-0.054	0.101	-0.775	451.807	1
5058_5059	5058	5059	328.986	-51.208	0.054	-0.101	1.192	-180.57	1
5059_5059	5059	5059	-328.987	37.71	-0.108	0.031	-1.192	180.57	1
5059_5060	5059	5060	353.443	-33.113	0.108	-0.031	2.056	5.24	1
5060_5060	5060	5060	-353.444	33.113	-0.012	0.029	-2.056	-5.24	1
5060_5061	5060	5061	374.696	-28.522	0.012	-0.029	2.152	166.715	1
5061_5061	5061	5061	-374.696	28.522	-0.012	0.029	-2.152	-166.715	1
5061_5062	5061	5062	392.783	-23.931	0.012	-0.029	2.248	304.134	1
5062_5062	5062	5062	-392.784	9.605	-0.004	0.084	-2.248	-304.128	1
5062_5063	5062	5063	396.863	-6.159	0.004	-0.084	2.275	335.126	1
5063_5063	5063	5063	-396.863	6.159	-0.009	0.091	-2.275	-335.126	1
5063_5064	5063	5064	399.157	-2.719	0.009	-0.091	2.329	352.555	1
5064_5064	5064	5064	-399.157	2.719	0.062	-0.026	-2.329	-352.555	1
5064_5065	5064	5065	399.672	0.727	-0.062	0.026	1.958	356.473	1
5065_5065	5065	5065	-399.672	-0.727	0.062	-0.026	-1.958	-356.473	1
5065_5066	5065	5066	398.405	4.172	-0.062	0.026	1.588	346.841	1
5066_5066	5066	5066	-398.406	-18.539	0.05	0.037	-1.588	-346.824	1
5066_5067	5066	5067	384.042	23.128	-0.05	-0.037	1.189	237.689	1
5067_5067	5067	5067	-384.042	-23.128	0.05	0.037	-1.189	-237.689	1
5067_5068	5067	5068	366.514	27.718	-0.05	-0.037	0.789	104.51	1
5068_5068	5068	5068	-366.513	-27.718	0.103	0.011	-0.789	-104.51	1
5068_5069	5068	5069	345.795	32.313	-0.103	-0.011	-0.033	-52.909	1
5069_5069	5069	5069	-345.79	-45.847	0.104	-0.075	0.033	52.922	1
5069_5070	5069	5070	313.69	50.292	-0.104	0.075	-0.838	-296.816	1
5070_5070	5070	5070	-313.688	-50.292	0.158	0.001	0.838	296.817	1
5070_5071	5070	5071	278.575	54.743	-0.158	-0.001	-2.065	-563.602	1
5071_5071	5071	5071	-282.907	-54.787	0.214	0.083	2.424	590.112	1
5071_5072	5071	5072	236.317	60.242	-0.214	-0.083	-4.452	-949.084	1.01
5072_5072	5072	5072	275.856	134.634	0.011	-0.347	1.901	4285.871	1.01
5072_5073	5072	5073	-253.515	-126.324	-0.011	0.345	-2.037	-3037.34	1.01
5073_5073	5073	5073	250.735	127.669	0.007	0.506	1.967	3037.344	1.01
5073_5074	5073	5074	-202.983	-119.663	-0.007	-0.507	-2.059	-1905.97	1.01
5074_5074	5074	5074	199.584	105.915	-0.028	-0.092	2.093	1906.041	1.01
5074_5075	5074	5075	-130.283	-97.831	0.028	0.096	-1.719	-958.71	1.03
5075_5075	5075	5075	137.536	98.155	-0.024	0.139	1.247	909.882	1.03
5075_5076	5075	5076	-46.32	-91.653	0.024	-0.136	-0.966	-197.443	1.03
5076_5076	5076	5076	44.711	78.175	0.017	0.04	0.969	197.454	1.03
5076_5077	5076	5077	13.403	-73.605	-0.017	-0.041	-1.107	194.416	1
5077_5077	5077	5077	-11.856	74.201	0.021	0.009	1.59	-201.672	1
5077_5078	5077	5078	98.621	-66.23	-0.021	-0.009	-1.893	830.661	1
5078_5078	5078	5078	-98.623	53.507	-0.028	0.199	1.893	-830.674	1
5078_5079	5078	5079	147.576	-47.238	0.028	-0.199	-1.58	1185.548	1
5079_5079	5079	5079	-147.576	47.238	-0.032	-0.179	1.58	-1185.55	1
5079_5080	5079	5080	190.433	-40.97	0.032	0.179	-1.221	1496.232	1
5080_5080	5080	5080	-190.434	28.034	-0.006	0.274	1.221	-1496.25	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5080_5081	5080	5081	214.63	-21.766	0.006	-0.274	-1.155	1671.649	1
5081_5081	5081	5081	-214.63	21.766	-0.01	-0.259	1.155	-1671.65	1
5081_5082	5081	5082	232.734	-15.498	0.01	0.259	-1.043	1802.887	1
5082_5082	5082	5082	-232.739	1.974	-0.012	-0.004	1.043	-1802.93	1
5082_5083	5082	5083	231.287	4.757	0.012	0.004	-0.897	1792.397	1
5083_5083	5083	5083	-231.287	-4.757	-0.012	-0.016	0.897	-1792.4	1
5083_5084	5083	5084	222.8	11.494	0.012	0.016	-0.749	1730.873	1
5084_5084	5084	5084	-222.803	-25.02	-0.009	0.218	0.749	-1730.9	1
5084_5085	5084	5085	195.453	31.287	0.009	-0.218	-0.652	1532.626	1
5085_5085	5085	5085	-195.453	-31.287	-0.013	-0.271	0.652	-1532.63	1
5085_5086	5085	5086	162.017	37.553	0.013	0.271	-0.509	1290.241	1
5086_5086	5086	5086	-162.018	-50.415	-0.037	0.126	0.509	-1290.25	1
5086_5087	5086	5087	110.001	56.681	0.037	-0.126	-0.1	913.156	1
5087_5087	5087	5087	-110.001	-56.681	-0.041	-0.171	0.1	-913.155	1
5087_5088	5087	5088	51.847	62.953	0.041	0.171	0.356	491.577	1
5088_5088	5088	5088	-51.846	-75.294	0.058	-0.054	-0.356	-491.587	1
5088_5089	5088	5089	-42.237	82.964	-0.058	0.054	-0.443	-190.447	1.08
5089_5089	5089	5089	42.95	-82.74	0.05	-0.029	0.398	202.82	1.08
5089_5090	5089	5090	-100.895	87.353	-0.05	0.03	-0.809	-667.638	1.08
5090_5090	5090	5090	102.713	-100.656	-0.044	-0.328	0.801	667.63	1.08
5090_5091	5090	5091	-188.871	107.291	0.044	0.324	-0.281	-1496.82	1.02
5091_5091	5091	5091	188.912	-106.186	-0.061	0.207	0.378	1509.777	1.02
5091_5092	5091	5092	-254.412	114.029	0.061	-0.216	0.434	-2557.59	1.02
5092_5092	5092	5092	257.949	-126.782	-0.009	-0.3	-0.473	2557.572	1.02
5092_5093	5092	5093	-298.638	134.599	0.009	0.299	0.586	-3780.44	1.02
5093_5093	5093	5093	301.589	-133.172	-0.011	0.265	-0.535	3780.439	1.02
5093_5094	5093	5094	-316.406	141.29	0.011	-0.267	0.675	-5122.03	1
5094_5094	5094	5094	-224.472	59.138	-0.124	-0.102	0.773	1274.912	1
5094_5095	5094	5095	269.558	-53.952	0.124	0.102	0.401	-918.356	1
5095_5095	5095	5095	-271.416	54.117	-0.115	-0.038	-0.462	927.486	1
5095_5096	5095	5096	303.779	-49.868	0.115	0.038	1.35	-653.786	1
5096_5096	5096	5096	-303.78	49.868	-0.03	0.124	-1.35	653.786	1
5096_5097	5096	5097	333.46	-45.626	0.03	-0.124	1.579	-402.77	1
5097_5097	5097	5097	-333.472	32.636	-0.001	-0.027	-1.579	402.755	1
5097_5098	5097	5098	353.032	-28.251	0.001	0.027	1.587	-237.334	1
5098_5098	5098	5098	-353.032	28.251	-0.001	-0.027	-1.587	237.334	1
5098_5099	5098	5099	369.775	-23.866	0.001	0.027	1.595	-95.739	1
5099_5099	5099	5099	-369.774	23.866	0.082	-0.004	-1.595	95.739	1
5099_5100	5099	5100	383.683	-19.487	-0.082	0.004	0.942	21.892	1
5100_5100	5100	5100	-383.683	5.686	0.11	-0.035	-0.942	-21.891	1
5100_5101	5100	5101	385.63	-2.397	-0.11	0.035	0.28	38.361	1
5101_5101	5101	5101	-385.629	2.397	0.224	-0.048	-0.28	-38.36	1
5101_5102	5101	5102	385.992	0.891	-0.224	0.048	-1.063	41.429	1
5102_5102	5102	5102	-385.992	-0.891	-0.23	0.007	1.063	-41.429	1
5102_5103	5102	5103	384.769	4.18	0.23	-0.007	0.317	31.094	1
5103_5103	5103	5103	-384.771	-4.18	-0.12	-0.003	-0.317	-31.094	1
5103_5104	5103	5104	381.97	7.464	0.12	0.003	1.037	7.405	1
5104_5104	5104	5104	-381.97	-21.281	-0.053	-0.036	-1.037	-7.404	1
5104_5105	5104	5105	366.888	25.667	0.053	0.036	1.459	-120.15	1
5105_5105	5105	5105	-366.888	-25.667	0.03	-0.007	-1.459	120.15	1
5105_5106	5105	5106	349.013	30.046	-0.03	0.007	1.222	-271.324	1
5106_5106	5106	5106	-349.013	-30.046	0.032	-0.005	-1.222	271.324	1
5106_5107	5106	5107	328.299	34.431	-0.032	0.005	0.964	-446.498	1
5107_5107	5107	5107	-328.297	-47.492	0.083	-0.092	-0.964	446.507	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5107_5108	5107	5108	297.417	51.74	-0.083	0.092	0.318	-707.667	1
5108_5108	5108	5108	-297.417	-51.74	0.081	-0.097	-0.318	707.667	1
5108_5109	5108	5109	263.938	55.983	-0.081	0.097	-0.308	-990.805	1
5109_5109	5109	5109	-263.376	-55.835	0.137	0.102	0.277	988.004	1
5109_5110	5109	5110	217.017	61.028	-0.137	-0.102	-1.581	-1357.87	1.01
5110_5110	5110	5110	322.63	137.953	-0.002	-0.56	0.846	5244.685	1.01
5110_5111	5110	5111	-311.504	-129.812	0.002	0.56	-0.82	-3925.35	1.01
5111_5111	5111	5111	308.616	131.32	-0.007	0.562	0.713	3925.349	1.01
5111_5112	5111	5112	-272.849	-123.469	0.007	-0.561	-0.627	-2723.08	1.01
5112_5112	5112	5112	269.356	110.842	-0.005	-0.139	0.68	2723.149	1.01
5112_5113	5112	5113	-209.92	-102.96	0.005	0.14	-0.608	-1695.53	1.03
5113_5113	5113	5113	210.263	104.191	-0.007	0.231	0.468	1680.841	1.03
5113_5114	5113	5114	-129.28	-97.702	0.007	-0.231	-0.382	-869.09	1.03
5114_5114	5114	5114	127.514	84.792	-0.007	0.021	0.388	869.116	1.03
5114_5115	5114	5115	-72.213	-80.299	0.007	-0.021	-0.332	-415.825	1.11
5115_5115	5115	5115	75.699	80.139	-0.006	0.022	0.276	373.519	1.11
5115_5116	5115	5116	25.933	-72.433	0.006	-0.022	-0.188	277.272	1
5116_5116	5116	5116	-25.934	60.074	-0.006	0.054	0.188	-277.272	1
5116_5117	5116	5117	85.755	-54.009	0.006	-0.054	-0.124	660.334	1
5117_5117	5117	5117	-85.755	54.009	-0.008	-0.021	0.124	-660.334	1
5117_5118	5117	5118	139.215	-47.943	0.008	0.021	-0.04	1002.656	1
5118_5118	5118	5118	-139.215	35.63	-0.003	0.081	0.04	-1002.66	1
5118_5119	5118	5119	173.4	-29.565	0.003	-0.081	-0.01	1221.556	1
5119_5119	5119	5119	-173.4	29.565	-0.004	-0.058	0.01	-1221.56	1
5119_5120	5119	5120	201.224	-23.5	0.004	0.058	0.039	1399.723	1
5120_5120	5120	5120	-201.224	10.599	-0.002	0.241	-0.039	-1399.72	1
5120_5121	5120	5121	209.497	-4.079	0.002	-0.241	0.063	1452.699	1
5121_5121	5121	5121	-209.498	4.079	-0.007	-0.218	-0.063	-1452.7	1
5121_5122	5121	5122	210.424	2.435	0.007	0.218	0.146	1458.631	1
5122_5122	5122	5122	-210.424	-15.212	-0.004	0.081	-0.146	-1458.63	1
5122_5123	5122	5123	191.292	21.277	0.004	-0.081	0.187	1336.125	1
5123_5123	5123	5123	-191.292	-21.277	-0.005	-0.071	-0.187	-1336.13	1
5123_5124	5123	5124	165.801	27.342	0.005	0.071	0.247	1172.895	1
5124_5124	5124	5124	-165.799	-39.57	-0.004	0.102	-0.247	-1172.88	1
5124_5125	5124	5125	121.126	45.635	0.004	-0.102	0.288	886.823	1
5125_5125	5125	5125	-121.126	-45.635	-0.007	-0.1	-0.288	-886.823	1
5125_5126	5125	5126	70.093	51.7	0.007	0.1	0.367	560.043	1
5126_5126	5126	5126	-70.091	-63.224	0.008	-0.007	-0.367	-560.038	1
5126_5127	5126	5127	-15.482	70.619	-0.008	0.007	0.264	12.087	1
5127_5127	5127	5127	16.219	-70.162	0.005	-0.005	-0.236	-8.298	1
5127_5128	5127	5128	-72.836	74.602	-0.005	0.005	0.199	-359.289	1
5128_5128	5128	5128	74.373	-87.527	0.011	-0.101	-0.203	359.278	1
5128_5129	5128	5129	-162.242	93.868	-0.011	0.102	0.078	-1032.09	1.07
5129_5129	5129	5129	152.518	-93.479	0.008	0.186	-0.082	1096.196	1.07
5129_5130	5129	5130	-217.118	101.456	-0.008	-0.185	-0.03	-2000.8	1.04
5130_5130	5130	5130	220.277	-113.406	-0.062	-0.21	0.006	2000.79	1.04
5130_5131	5130	5131	-262.919	121.325	0.062	0.199	0.776	-3074.67	1.03
5131_5131	5131	5131	265.556	-119.929	-0.064	0.241	-0.743	3074.673	1.03
5131_5132	5131	5132	-283.715	128.141	0.064	-0.253	1.549	-4263.75	1.03
5132_5132	5132	5132	-203.678	61.293	0.357	0.202	-3.526	1047.071	1.03
5132_5133	5132	5133	252.479	-55.952	-0.357	-0.202	0.138	-685.363	1
5133_5133	5133	5133	-234.699	55.728	0.371	0.163	-0.125	598.684	1
5133_5134	5133	5134	273.047	-51.388	-0.371	-0.163	-2.747	-336.999	1
5134_5134	5134	5134	-273.064	51.388	-0.102	-0.347	2.747	336.989	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5134_5135	5134	5135	308.35	-47.043	0.102	0.347	-1.955	-96.196	1
5135_5135	5135	5135	-308.337	33.609	-0.055	-0.02	1.955	96.247	1
5135_5136	5135	5136	331.524	-29.129	0.055	0.02	-1.512	61.977	1
5136_5136	5136	5136	-331.524	29.129	-0.01	-0.029	1.512	-61.977	1
5136_5137	5136	5137	351.399	-24.65	0.01	0.029	-1.436	197.603	1
5137_5137	5137	5137	-351.399	24.65	-0.056	0	1.436	-197.604	1
5137_5138	5137	5138	367.944	-20.175	0.056	0	-0.989	310.509	1
5138_5138	5138	5138	-367.948	5.55	-0.045	0.021	0.989	-310.529	1
5138_5139	5138	5139	370.093	-2.19	0.045	-0.021	-0.721	325.168	1
5139_5139	5139	5139	-370.093	2.19	0.016	-0.042	0.721	-325.168	1
5139_5140	5139	5140	370.376	1.17	-0.016	0.042	-0.819	327.097	1
5140_5140	5140	5140	-370.376	-1.17	-0.045	0.022	0.819	-327.097	1
5140_5141	5140	5141	368.796	4.53	0.045	-0.022	-0.551	316.316	1
5141_5141	5141	5141	-368.796	-4.53	0.016	-0.04	0.551	-316.316	1
5141_5142	5141	5142	365.354	7.89	-0.016	0.04	-0.649	292.825	1
5142_5142	5142	5142	-365.355	-22.103	-0.033	-0.009	0.649	-292.846	1
5142_5143	5142	5143	347.362	26.583	0.033	0.009	-0.381	170.062	1
5143_5143	5143	5143	-347.362	-26.583	-0.033	-0.009	0.381	-170.062	1
5143_5144	5143	5144	326.058	31.063	0.033	0.009	-0.114	24.682	1
5144_5144	5144	5144	-326.058	-31.063	-0.033	-0.009	0.114	-24.682	1
5144_5145	5144	5145	301.442	35.543	0.033	0.009	0.154	-143.294	1
5145_5145	5145	5145	-301.452	-48.975	-0.005	0.032	-0.154	143.277	1
5145_5146	5145	5146	264.83	53.315	0.005	-0.032	0.196	-393.184	1
5146_5146	5146	5146	-264.83	-53.315	-0.005	0.032	-0.196	393.184	1
5146_5147	5146	5147	225.101	57.655	0.005	-0.032	0.238	-664.296	1
5147_5147	5147	5147	-240.594	-57.839	-0.053	-0.107	-0.245	739.851	1
5147_5148	5147	5148	189.659	63.176	0.053	0.107	0.748	-1110.97	1
5148_5148	5148	5148	294.804	126.449	0	-0.247	-0.049	4362.715	1
5148_5149	5148	5149	-279.088	-118.211	0	0.247	0.051	-3188.87	1
5149_5149	5149	5149	276.495	119.657	-0.002	0.199	-0.084	3188.87	1
5149_5150	5149	5150	-236.7	-111.719	0.002	-0.199	0.107	-2129.24	1
5150_5150	5150	5150	233.519	98.658	-0.003	-0.039	-0.092	2129.246	1
5150_5151	5150	5151	-173.363	-90.672	0.003	0.039	0.134	-1248.6	1
5151_5151	5151	5151	184.914	91.148	-0.003	0.01	-0.11	1175.03	1
5151_5152	5151	5152	-101.225	-84.306	0.003	-0.01	0.145	-523.83	1
5152_5152	5152	5152	99.73	70.413	0	0.001	-0.144	523.828	1
5152_5153	5152	5153	-46.623	-65.628	0	-0.001	0.147	-179.31	1
5153_5153	5153	5153	47.243	65.674	0	0.002	-0.121	173.498	1
5153_5154	5153	5154	40.439	-57.723	0	-0.002	0.124	323.563	1
5154_5154	5154	5154	-40.439	44.617	0.001	0.005	-0.124	-323.563	1
5154_5155	5154	5155	87.58	-38.251	-0.001	-0.005	0.117	590.799	1
5155_5155	5155	5155	-87.58	38.251	0.001	0.005	-0.117	-590.799	1
5155_5156	5155	5156	127.478	-31.885	-0.001	-0.005	0.11	816.979	1
5156_5156	5156	5156	-127.478	18.87	0	0.006	-0.11	-816.979	1
5156_5157	5156	5157	144.016	-13.077	0	-0.006	0.115	910.733	1
5157_5157	5157	5157	-144.016	13.077	0	0.007	-0.115	-910.733	1
5157_5158	5157	5158	154.549	-7.291	0	-0.007	0.12	970.446	1
5158_5158	5158	5158	-154.548	-4.922	-0.001	-0.026	-0.12	-970.44	1
5158_5159	5158	5159	146.454	10.715	0.001	0.026	0.132	924.553	1
5159_5159	5159	5159	-146.454	-10.715	0	0.036	-0.132	-924.553	1
5159_5160	5159	5160	132.362	16.507	0	-0.036	0.129	844.667	1
5160_5160	5160	5160	-132.363	-29.563	0.003	0.006	-0.129	-844.672	1
5160_5161	5160	5161	95.107	35.928	-0.003	-0.006	0.1	633.471	1
5161_5161	5161	5161	-95.107	-35.928	0.003	0.006	-0.1	-633.471	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5161_5162	5161	5162	50.609	42.294	-0.003	-0.006	0.07	381.214	1
5162_5162	5162	5162	-50.609	-55.287	-0.007	0.002	-0.07	-381.213	1
5162_5163	5162	5163	-33.612	63.238	0.007	-0.002	0.164	-96.227	1
5163_5163	5163	5163	33.74	-63.125	-0.008	0.01	-0.173	98.238	1
5163_5164	5163	5164	-86.08	67.895	0.008	-0.011	0.241	-425.815	1
5164_5164	5164	5164	87.522	-81.869	0.008	0.049	-0.24	425.816	1
5164_5165	5164	5165	-171.469	88.661	-0.008	-0.049	0.141	-1050.06	1
5165_5165	5165	5165	166.677	-87.834	0.011	-0.072	-0.163	1086.584	1
5165_5166	5165	5166	-231.187	96.36	-0.011	0.074	0.014	-1915.43	1
5166_5166	5166	5166	234.32	-110.19	0.001	-0.153	-0.021	1915.431	1
5166_5167	5166	5167	-279.056	118.662	-0.001	0.153	0.013	-2932.39	1
5167_5167	5167	5167	281.576	-117.21	-0.001	0.16	0.011	2932.39	1
5167_5168	5167	5168	-300.921	126.029	0.001	-0.16	-0.003	-4069.48	1
5168_5168	5168	5168	-180.408	67.467	-0.016	-0.051	0.071	1005.789	1
5168_5169	5168	5169	238.328	-61.718	0.016	0.051	0.085	-623.8	1
5169_5169	5169	5169	-222.029	61.533	0.017	0.035	-0.068	544.349	1
5169_5170	5169	5170	266.899	-56.862	-0.017	-0.035	-0.061	-265.614	1
5170_5170	5170	5170	-266.899	56.862	-0.014	-0.001	0.061	265.614	1
5170_5171	5170	5171	308.28	-52.186	0.014	0.001	0.046	-8.549	1
5171_5171	5171	5171	-308.291	37.802	0.023	-0.019	-0.046	8.526	1
5171_5172	5171	5172	336.015	-32.975	-0.023	0.019	-0.14	163.701	1
5172_5172	5172	5172	-336.015	32.975	-0.007	0.003	0.14	-163.701	1
5172_5173	5172	5173	359.959	-28.148	0.007	-0.003	-0.088	312.438	1
5173_5173	5173	5173	-359.959	28.148	-0.007	0.003	0.088	-312.438	1
5173_5174	5173	5174	380.12	-23.321	0.007	-0.003	-0.035	437.682	1
5174_5174	5174	5174	-380.123	8.185	0.026	-0.045	0.035	-437.701	1
5174_5175	5174	5175	383.869	-4.565	-0.026	0.045	-0.193	460.97	1
5175_5175	5175	5175	-383.869	4.565	-0.014	0.036	0.193	-460.97	1
5175_5176	5175	5176	385.487	-0.945	0.014	-0.036	-0.112	471.026	1
5176_5176	5176	5176	-385.487	0.945	0.026	-0.047	0.112	-471.026	1
5176_5177	5176	5177	384.979	2.676	-0.026	0.047	-0.27	467.866	1
5177_5177	5177	5177	-384.979	-2.676	-0.014	0.036	0.27	-467.866	1
5177_5178	5177	5178	382.343	6.296	0.014	-0.036	-0.189	451.492	1
5178_5178	5178	5178	-382.347	-21.467	0.001	0.003	0.189	-451.514	1
5178_5179	5178	5179	363.638	26.294	-0.001	-0.003	-0.199	335.295	1
5179_5179	5179	5179	-363.638	-26.294	0.001	0.003	0.199	-335.295	1
5179_5180	5179	5180	341.148	31.121	-0.001	-0.003	-0.208	195.583	1
5180_5180	5180	5180	-341.148	-31.121	0.031	-0.023	0.208	-195.583	1
5180_5181	5180	5181	314.876	35.948	-0.031	0.023	-0.457	32.381	1
5181_5181	5181	5181	-314.875	-50.166	-0.019	-0.003	0.457	-32.38	1
5181_5182	5181	5182	275.026	54.843	0.019	0.003	-0.306	-215.163	1
5182_5182	5182	5182	-275.026	-54.843	0.011	0.027	0.306	215.163	1
5182_5183	5182	5183	231.629	59.519	-0.011	-0.027	-0.395	-484.749	1
5183_5183	5183	5183	-243.774	-59.624	-0.021	-0.051	0.445	543.927	1
5183_5184	5183	5184	186.857	65.367	0.021	0.051	-0.245	-910.007	1.02
5184_5184	5184	5184	303.416	130.152	-0.004	0.162	0.389	3950.534	1.02
5184_5185	5184	5185	-278.893	-121.377	0.004	-0.162	-0.344	-2791.74	1.03
5185_5185	5185	5185	276.308	122.952	-0.002	-0.164	0.365	2791.736	1.03
5185_5186	5185	5186	-224.401	-114.554	0.002	0.164	-0.337	-1753.16	1.04
5186_5186	5186	5186	221.202	100.397	-0.008	0.023	0.325	1753.171	1.04
5186_5187	5186	5187	-147.916	-91.949	0.008	-0.022	-0.215	-903.064	1.08
5187_5187	5187	5187	151.203	92.833	-0.007	-0.026	0.194	874.248	1.08
5187_5188	5187	5188	-59.284	-85.608	0.007	0.027	-0.116	-231.664	1.08
5188_5188	5188	5188	57.788	70.641	-0.004	-0.006	0.115	231.681	1.08

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5188_5189	5188	5189	-1.958	-65.543	0.004	0.006	-0.082	104.036	1
5189_5189	5189	5189	0.946	65.943	-0.004	-0.006	0.074	-102.873	1
5189_5190	5189	5190	85.715	-57.369	0.004	0.006	-0.023	616.907	1
5190_5190	5190	5190	-85.716	43.073	0	-0.004	0.023	-616.907	1
5190_5191	5190	5191	130.293	-36.214	0	0.004	-0.018	881.318	1
5191_5191	5191	5191	-130.293	36.214	0	-0.004	0.018	-881.318	1
5191_5192	5191	5192	167.158	-29.355	0	0.004	-0.013	1099.983	1
5192_5192	5192	5192	-167.156	15.098	-0.017	0.001	0.013	-1099.98	1
5192_5193	5192	5193	179.421	-8.85	0.017	-0.001	0.162	1172.732	1
5193_5193	5193	5193	-179.421	8.85	-0.017	0	-0.162	-1172.73	1
5193_5194	5193	5194	185.289	-2.596	0.017	0	0.336	1207.538	1
5194_5194	5194	5194	-185.292	-10.901	-0.002	0	-0.336	-1207.54	1
5194_5195	5194	5195	170.909	17.155	0.002	0	0.357	1122.234	1
5195_5195	5195	5195	-170.909	-17.155	-0.002	0	-0.357	-1122.23	1
5195_5196	5195	5196	150.115	23.409	0.002	0	0.378	998.889	1
5196_5196	5196	5196	-150.114	-37.735	-0.003	0	-0.378	-998.889	1
5196_5197	5196	5197	103.827	44.594	0.003	0	0.409	724.332	1
5197_5197	5197	5197	-103.827	-44.594	-0.003	0	-0.409	-724.332	1
5197_5198	5197	5198	49.827	51.453	0.003	0	0.44	404.029	1
5198_5198	5198	5198	-49.825	-65.795	-0.009	-0.001	-0.44	-404.03	1
5198_5199	5198	5199	-48.602	74.362	0.009	0.001	0.563	-179.796	1.03
5199_5199	5199	5199	48.209	-74.126	-0.009	0.004	-0.593	171.018	1.03
5199_5200	5199	5200	-109.307	79.227	0.009	-0.005	0.671	-546.084	1.03
5200_5200	5200	5200	110.98	-94.502	-0.002	0.011	-0.671	546.066	1.03
5200_5201	5200	5201	-207.173	101.659	0.002	-0.012	0.698	-1249.94	1.03
5201_5201	5201	5201	196.119	-100.874	-0.003	0.005	-1.073	1326.984	1.03
5201_5202	5201	5202	-267.294	109.917	0.003	-0.005	1.113	-2277.08	1.02
5202_5202	5202	5202	270.816	-124.754	-0.018	0.197	-1.1	2277.06	1.02
5202_5203	5202	5203	-319.756	133.719	0.018	-0.201	1.321	-3425.18	1.01
5203_5203	5203	5203	322.578	-131.894	-0.016	-0.131	-1.353	3425.177	1.01
5203_5204	5203	5204	-344.024	141.281	0.016	0.127	1.552	-4697.38	1.01
5204_5204	5204	5204	-193.632	72.781	0.016	0.05	-1.558	1203.142	1.01
5204_5205	5204	5205	254.083	-66.558	-0.016	-0.05	1.41	-790.459	1
5205_5205	5205	5205	-239.868	66.39	-0.024	-0.046	-1.216	690.617	1
5205_5206	5205	5206	286.549	-61.326	0.024	0.046	1.4	-382.405	1
5206_5206	5206	5206	-286.549	61.326	0.02	0.007	-1.4	382.405	1
5206_5207	5206	5207	329.527	-56.262	-0.02	-0.007	1.241	-98.639	1
5207_5207	5207	5207	-329.527	41.037	-0.017	0.012	-1.241	98.639	1
5207_5208	5207	5208	358.52	-35.81	0.017	-0.012	1.374	92.793	1
5208_5208	5208	5208	-358.52	35.81	-0.017	0.012	-1.374	-92.793	1
5208_5209	5208	5209	383.569	-30.582	0.017	-0.012	1.506	258.18	1
5209_5209	5209	5209	-383.569	30.582	-0.017	0.012	-1.506	-258.18	1
5209_5210	5209	5210	404.674	-25.354	0.017	-0.012	1.639	397.523	1
5210_5210	5210	5210	-404.678	9.274	0.057	-0.018	-1.639	-397.522	1
5210_5211	5210	5211	408.817	-5.354	-0.057	0.018	1.299	424.851	1
5211_5211	5211	5211	-408.818	5.354	-0.001	0.058	-1.299	-424.85	1
5211_5212	5211	5212	410.738	-1.433	0.001	-0.058	1.302	437.53	1
5212_5212	5212	5212	-410.738	1.433	0.057	-0.02	-1.302	-437.53	1
5212_5213	5212	5213	410.439	2.488	-0.057	0.02	0.963	435.559	1
5213_5213	5213	5213	-410.44	-2.488	-0.001	0.057	-0.963	-435.559	1
5213_5214	5213	5214	407.922	6.409	0.001	-0.057	0.966	418.937	1
5214_5214	5214	5214	-407.927	-22.405	0.055	0.036	-0.966	-418.919	1
5214_5215	5214	5215	389.048	27.633	-0.055	-0.036	0.529	294.271	1
5215_5215	5215	5215	-389.047	-27.633	0.097	-0.003	-0.529	-294.271	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5215_5216	5215	5216	366.224	32.86	-0.097	0.003	-0.251	143.58	1
5216_5216	5216	5216	-366.225	-32.86	0.055	0.016	0.251	-143.58	1
5216_5217	5216	5217	339.457	38.088	-0.055	-0.016	-0.688	-33.158	1
5217_5217	5217	5217	-339.437	-52.957	-0.049	-0.206	0.688	33.141	1
5217_5218	5217	5218	298.929	58.015	0.049	0.206	-0.305	-300.601	1
5218_5218	5218	5218	-298.929	-58.015	-0.005	-0.164	0.305	300.603	1
5218_5219	5218	5219	254.669	63.079	0.005	0.164	-0.269	-592.83	1
5219_5219	5219	5219	-263.134	-63.152	0.208	0.341	0.273	665.964	1
5219_5220	5219	5220	204.576	69.367	-0.208	-0.341	-2.248	-1054.02	1
5220_5220	5220	5220	329.246	142.461	0.033	-0.612	0.393	4443.433	1
5220_5221	5220	5221	-303.08	-133.164	-0.033	0.604	-0.809	-3181.39	1
5221_5221	5221	5221	300.265	134.719	0.029	0.785	0.698	3181.39	1
5221_5222	5221	5222	-245.575	-125.871	-0.029	-0.792	-1.062	-2044.38	1.01
5222_5222	5222	5222	242.05	110.261	0.085	-0.116	1.121	2044.432	1.01
5222_5223	5222	5223	-165.148	-101.326	-0.085	0.1	-2.251	-1108.51	1.01
5223_5223	5223	5223	174.161	101.803	0.052	0.252	1.45	1043.37	1.01
5223_5224	5223	5224	-74.24	-94.003	-0.052	-0.258	-2.06	-353.069	1.04
5224_5224	5224	5224	72.555	76.527	-0.042	0.095	2.065	353.086	1.04
5224_5225	5224	5225	-12.318	-70.939	0.042	-0.094	-1.716	2.518	1
5225_5225	5225	5225	12.06	71.407	-0.048	0.099	1.807	-2.588	1
5225_5226	5225	5226	86.234	-60.79	0.048	-0.099	-1.067	630.217	1
5226_5226	5226	5226	-86.236	43.199	0.009	0.296	1.067	-630.212	1
5226_5227	5226	5227	130.894	-35.049	-0.009	-0.296	-1.175	915.361	1
5227_5227	5227	5227	-130.894	35.049	0.005	-0.17	1.175	-915.363	1
5227_5228	5227	5228	166.253	-26.899	-0.005	0.17	-1.238	1141.14	1
5228_5228	5228	5228	-166.233	8.842	-0.031	0.334	1.238	-1141.05	1
5228_5229	5228	5229	171.675	-0.691	0.031	-0.334	-0.873	1175.795	1
5229_5229	5229	5229	-171.677	0.691	-0.034	-0.265	0.873	-1175.8	1
5229_5230	5229	5230	167.812	7.461	0.034	0.265	-0.464	1151.117	1
5230_5230	5230	5230	-167.807	-25.706	0.028	0.141	0.464	-1150.94	1
5230_5231	5230	5231	132.717	34.086	-0.028	-0.141	-0.805	926.875	1
5231_5231	5231	5231	-132.715	-34.086	0.025	-0.226	0.805	-926.874	1
5231_5232	5231	5232	87.781	42.467	-0.025	0.226	-1.111	639.962	1
5232_5232	5232	5232	-87.801	-61.276	0.156	-0.027	1.111	-639.817	1
5232_5233	5232	5233	30.778	67.594	-0.156	0.027	-2.547	275.717	1.04
5233_5233	5233	5233	-30.148	-67.573	0.243	-0.087	3.995	-276.4	1.04
5233_5234	5233	5234	-16.033	72.268	-0.243	0.092	-5.67	-20.131	1.04
5234_5234	5234	5234	16.899	-71.957	0.24	-0.164	5.668	20.132	1.04
5234_5235	5234	5235	-68.966	77.168	-0.24	0.179	-7.525	-379.355	1.04
5235_5235	5235	5235	70.39	-91.737	-0.265	-0.296	7.521	379.367	1.04
5235_5236	5235	5236	-111.183	95.309	0.265	0.279	-6.098	-697.142	1.04
5236_5236	5236	5236	100.813	-95.985	-0.425	-0.492	9.607	759.677	1.04
5236_5237	5236	5237	-149.065	102.309	0.425	0.447	-6.012	-1346.41	1.01
5237_5237	5237	5237	150.364	-101.508	-0.429	-0.05	6.038	1346.412	1.01
5237_5238	5237	5238	-180.685	106.532	0.429	0.006	-3.203	-1838.58	1.01
5238_5238	5238	5238	183.577	-126.463	-0.452	-1.018	3.128	1838.053	1.01
5238_5239	5238	5239	-227.296	134.102	0.452	0.936	1.332	-2773.41	1.01
5239_5239	5239	5239	233.077	-130.59	-0.457	0.327	-1.224	2773.413	1.01
5239_5240	5239	5240	-251.637	139.433	0.457	-0.454	6.096	-3876.21	1
5240_5240	5240	5240	-264.473	82.303	-0.512	-0.127	6.874	940.873	1
5240_5241	5240	5241	343.25	-73.222	0.512	0.127	-0.588	-300.534	1
5241_5241	5241	5241	-337.146	73.133	-0.244	0.12	0.53	271.014	1
5241_5242	5241	5242	372.023	-68.811	0.244	-0.12	0.901	4.974	1
5242_5242	5242	5242	-372.024	68.811	-0.204	0.119	-0.901	-4.974	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5242_5243	5242	5243	407.484	-64.119	0.204	-0.119	2.198	285.58	1
5243_5243	5243	5243	-407.371	47.59	-0.347	0.231	-2.198	-285.508	1
5243_5244	5243	5244	443.633	-40.336	0.347	-0.231	5.605	572.455	1
5244_5244	5244	5244	-443.639	40.336	-0.17	-0.111	-5.605	-572.456	1
5244_5245	5244	5245	473.813	-33.109	0.17	0.111	7.27	811.229	1
5245_5245	5245	5245	-473.729	20.431	-0.207	0.39	-7.27	-810.992	1
5245_5246	5245	5246	487.936	-12.945	0.207	-0.39	9.374	923.41	1
5246_5246	5246	5246	-487.939	12.945	-0.029	-0.168	-9.374	-923.412	1
5246_5247	5246	5247	495.456	-5.945	0.029	0.168	9.65	982.898	1
5247_5247	5247	5247	-495.424	-8.724	0.114	0.373	-9.65	-982.649	1
5247_5248	5247	5248	485.943	15.584	-0.114	-0.373	8.593	907.619	1
5248_5248	5248	5248	-485.939	-15.584	0.277	-0.128	-8.593	-907.622	1
5248_5249	5248	5249	469.119	23.21	-0.277	0.128	5.734	774.523	1
5249_5249	5249	5249	-469.163	-35.501	0.682	0.088	-5.734	-774.393	1
5249_5250	5249	5250	435.861	42.966	-0.682	-0.088	-1.162	510.871	1
5250_5250	5250	5250	-435.848	-42.966	0.819	-0.149	1.162	-510.871	1
5250_5251	5250	5251	398.739	49.988	-0.819	0.149	-8.948	217.228	1
5251_5251	5251	5251	-398.298	-69.811	-1.083	-1.357	8.948	-217.431	1
5251_5252	5251	5252	361.725	74.275	1.083	1.357	-2.397	-71.982	1
5252_5252	5252	5252	-361.735	-74.275	-1.002	-1.337	2.397	71.994	1
5252_5253	5252	5253	321.492	78.897	1.002	1.337	3.874	-390.438	1
5253_5253	5253	5253	-321.82	-78.853	-0.816	-1.169	-3.652	391.956	1
5253_5254	5253	5254	255.615	85.861	0.816	1.169	11.401	-909.329	1
5254_5254	5254	5254	265.723	152.96	-2.127	11.227	-12.103	3990.156	1
5254_5255	5254	5255	-258.901	-150.797	2.127	-11.096	17.843	-3683.97	1.01
5255_5255	5255	5255	254.692	134.322	1.023	-1.015	-16.621	3682.411	1.01
5255_5256	5255	5256	-219.293	-124.372	-1.023	0.739	3.755	-2478.28	1.02
5256_5256	5256	5256	217.054	125.599	1.016	1.12	-3.889	2478.262	1.02
5256_5257	5256	5257	-175.926	-118.609	-1.016	-1.294	-5.383	-1678.46	1.02
5257_5257	5257	5257	173.279	96.393	-0.108	-0.278	5.482	1678.258	1.02
5257_5258	5257	5258	-145.117	-91.476	0.108	0.29	-4.777	-1244.75	1.03
5258_5258	5258	5258	144.034	92.198	-0.112	0.151	4.749	1244.759	1.03
5258_5259	5258	5259	-104.916	-86.664	0.112	-0.14	-3.912	-783.654	1.05
5259_5259	5259	5259	115.812	86.152	-0.074	0.235	2.461	718.398	1.05
5259_5260	5259	5260	-62.165	-80.712	0.074	-0.228	-1.892	-317.891	1.05
5260_5260	5260	5260	60.984	64.178	0.047	0.133	1.897	317.879	1.05
5260_5261	5260	5261	-26.997	-59.682	-0.047	-0.135	-2.174	-92.98	1.05
5261_5261	5261	5261	26.401	59.972	0.043	0.136	2.175	92.976	1.05
5261_5262	5261	5262	9.538	-55.054	-0.043	-0.137	-2.45	131.141	1
5262_5262	5262	5262	-10.919	55.008	0.031	0.111	1.807	-123.508	1
5262_5263	5262	5263	72.879	-45.606	-0.031	-0.111	-2.181	473.102	1
5263_5263	5263	5263	-72.871	25.74	-0.012	0.197	2.181	-473.073	1
5263_5264	5263	5264	97.49	-16.931	0.012	-0.197	-2.044	611.981	1
5264_5264	5264	5264	-97.491	16.931	-0.014	0.035	2.044	-611.985	1
5264_5265	5264	5265	112.121	-7.956	0.014	-0.035	-1.877	694.531	1
5265_5265	5265	5265	-112.121	-10.823	-0.014	0.181	1.877	-694.519	1
5265_5266	5265	5266	94.07	19.818	0.014	-0.181	-1.713	592.669	1
5266_5266	5266	5266	-94.071	-19.818	-0.017	-0.036	1.713	-592.672	1
5266_5267	5266	5267	66.195	28.607	0.017	0.036	-1.517	435.384	1
5267_5267	5267	5267	-66.189	-47.255	0.032	-0.017	1.517	-435.379	1
5267_5268	5267	5268	5.898	56.157	-0.032	0.017	-1.882	95.201	1
5268_5268	5268	5268	-5.896	-56.157	0.028	-0.059	1.882	-95.199	1
5268_5269	5268	5269	-64.559	65.033	-0.028	0.059	-2.202	-302.332	1
5269_5269	5269	5269	64.551	-83.802	-0.059	-0.392	2.202	302.393	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5269_5270	5269	5270	-142.655	90.638	0.059	0.392	-1.677	-743.083	1
5270_5270	5270	5270	142.654	-90.638	-0.061	-0.193	1.677	743.092	1
5270_5271	5270	5271	-226.519	97.446	0.061	0.193	-1.135	-1216.28	1.07
5271_5271	5271	5271	216.822	-97.175	-0.085	0.059	1.524	1324.054	1.07
5271_5272	5271	5272	-274.326	102.101	0.085	-0.06	-0.981	-1724.08	1.07
5272_5272	5272	5272	275.849	-121.685	0.056	-1.031	0.958	1724.136	1.07
5272_5273	5272	5273	-345.758	127.072	-0.056	1.034	-1.353	-2285.81	1.04
5273_5273	5273	5273	347.172	-125.408	0.054	-0.562	1.357	2285.823	1.04
5273_5274	5273	5274	-401.784	130.496	-0.054	0.566	-1.711	-2841.96	1.04
5274_5274	5274	5274	362.445	-130.802	0.081	0.342	2.752	3096.992	1.04
5274_5275	5274	5275	-419.525	140.04	-0.081	-0.329	-3.657	-4207.11	1.03
5275_5275	5275	5275	423.321	-163.21	-1.653	-2.728	3.472	4207.851	1.03
5275_5276	5275	5276	-462.772	171.732	1.653	2.446	12.813	-5446.57	1.03
5276_5276	5276	5276	465.53	-169.888	-1.66	1.875	-12.53	5446.612	1.03
5276_5277	5276	5277	-482.569	178.49	1.66	-2.192	28.392	-6730.22	1.03
5277_5277	5277	5277	487.76	-197.605	1.612	-4.335	-29.023	6731.411	1.03
5277_5278	5277	5278	-496.755	204.881	-1.612	4.603	16.549	-7940.8	1.02
5278_5278	5278	5278	-285.141	114.036	0.926	1.246	-9.517	2212.997	1.02
5278_5279	5278	5279	373.472	-106.413	-0.926	-1.246	0.73	-1512.46	1
5279_5279	5279	5279	-346.994	106.242	1.027	1.697	-0.654	1417.259	1
5279_5280	5279	5280	405.481	-101.003	-1.027	-1.697	-6.056	-974.215	1
5280_5280	5280	5280	-405.752	75.634	-1.186	-0.057	6.056	974.354	1
5280_5281	5280	5281	477.247	-66.281	1.186	0.057	7.774	-432.771	1
5281_5281	5281	5281	-477.27	66.281	-1.013	0.13	-7.774	432.771	1
5281_5282	5281	5282	542.995	-56.33	1.013	-0.13	20.343	65.1	1
5282_5282	5282	5282	-606.794	36.333	1.809	-0.024	-61.762	232.823	1
5282_5283	5282	5283	634.834	-29.491	-1.809	0.024	39.35	62.76	1
5283_5283	5283	5283	-634.813	29.491	2.433	-0.077	-39.35	-62.759	1
5283_5284	5283	5284	655.917	-23.039	-2.433	0.077	10.922	285.224	1
5284_5284	5284	5284	-656.093	-8.541	-1.043	0.258	-10.922	-285.263	1
5284_5285	5284	5285	647.056	14.768	1.043	-0.258	22.68	190.004	1
5285_5285	5285	5285	-647.062	-14.768	-0.563	0.134	-22.68	-190.005	1
5285_5286	5285	5286	634.911	20.328	0.563	-0.134	28.351	61.917	1
5286_5286	5286	5286	-634.964	-46.562	1.945	-0.044	-28.351	-61.9	1
5286_5287	5286	5287	595.956	52.864	-1.945	0.044	6.156	-349.302	1
5287_5287	5287	5287	-595.932	-52.864	2.637	0.284	-6.156	349.301	1
5287_5288	5287	5288	551.74	59.198	-2.637	-0.284	-24.091	-815.144	1
5288_5288	5288	5288	-551.979	-71.041	-1.847	-2.115	24.091	815.345	1
5288_5289	5288	5289	532.139	73.249	1.847	2.115	-16.703	-1024.48	1
5289_5289	5289	5289	-551.389	-73.341	-1.592	-1.91	17.021	1069.928	1
5289_5290	5289	5290	502.828	78.594	1.592	1.91	-1.896	-1601.63	1.02
5290_5290	5290	5290	337.382	258.981	-1.801	1.453	-10.616	7141.873	1.02
5290_5291	5290	5291	-292.299	-252.202	1.801	-1.209	29.401	-5012.23	1.02
5291_5291	5291	5291	284.579	222.469	1.135	-2.499	-28.949	5012.725	1.02
5291_5292	5291	5292	-220.189	-215.712	-1.135	2.364	16.644	-3154.11	1.03
5292_5292	5292	5292	215.432	217.092	1.118	1.5	-16.92	3154.096	1.03
5292_5293	5292	5293	-131.004	-211.283	-1.118	-1.588	6.047	-1567.26	1.05
5293_5293	5293	5293	126.323	181.796	-0.145	-0.279	-5.93	1567.423	1.05
5293_5294	5293	5294	-61.389	-177.582	0.145	0.285	6.985	-584.285	1.14
5294_5294	5294	5294	64.477	176.728	-0.105	0.163	-4.717	542.979	1.14
5294_5295	5294	5295	20.706	-172.477	0.105	-0.161	5.515	380.8	1
5295_5295	5295	5295	-22.558	172.624	-0.112	0.049	-5.512	-380.802	1
5295_5296	5295	5296	113.118	-168.079	0.112	-0.049	6.428	1347.747	1
5296_5296	5296	5296	-113.172	142.116	0.178	0.932	-6.428	-1347.85	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5296_5297	5296	5297	151.062	-139.754	-0.178	-0.932	5.69	1752.578	1
5297_5297	5297	5297	-127.745	140.871	0.267	1.021	-8.713	-1884.1	1
5297_5298	5297	5298	198.658	-135.556	-0.267	-1.021	6.239	2827.528	1
5298_5298	5298	5298	-198.656	135.556	0.257	-0.944	-6.239	-2827.53	1
5298_5299	5298	5299	266.138	-130.296	-0.257	0.944	3.888	3725.305	1
5299_5299	5299	5299	-266.166	102.401	0.05	3.249	-3.888	-3725.61	1
5299_5300	5299	5300	330.17	-95.706	-0.05	-3.249	3.31	4577.119	1
5300_5300	5300	5300	-330.17	95.706	0.032	-1.935	-3.31	-4577.13	1
5300_5301	5300	5301	393.436	-88.594	-0.032	1.935	2.91	5418.816	1
5301_5301	5301	5301	-393.466	59.925	0.095	3.888	-2.91	-5419.26	1
5301_5302	5301	5302	432.498	-52.748	-0.095	-3.888	1.726	5938.539	1
5302_5302	5302	5302	-432.498	52.748	0.078	-2.778	-1.726	-5938.55	1
5302_5303	5302	5303	464.104	-46.124	-0.078	2.778	0.831	6359.035	1
5303_5303	5303	5303	-464.138	17.546	0.058	4.534	-0.831	-6359.5	1
5303_5304	5303	5304	474.093	-10.079	-0.058	-4.534	0.073	6491.942	1
5304_5304	5304	5304	-474.093	10.079	0.039	-3.697	-0.073	-6491.95	1
5304_5305	5304	5305	478.321	-3.74	-0.039	3.697	-0.357	6548.197	1
5305_5305	5305	5305	-478.354	-24.721	0.154	3.713	0.357	-6548.68	1
5305_5306	5305	5306	459.535	31.64	-0.154	-3.713	-2.208	6298.312	1
5306_5306	5306	5306	-459.534	-31.64	0.139	-2.269	2.208	-6298.32	1
5306_5307	5306	5307	436.249	38.517	-0.139	2.269	-3.874	5988.546	1
5307_5307	5307	5307	-436.28	-67.097	0.044	3.755	3.874	-5988.98	1
5307_5308	5307	5308	389.876	73.916	-0.044	-3.755	-4.392	5371.617	1
5308_5308	5308	5308	-389.876	-73.916	0.026	-2.456	4.392	-5371.63	1
5308_5309	5308	5309	337.679	80.902	-0.026	2.456	-4.709	4677.196	1
5309_5309	5309	5309	-337.666	-107.317	0.973	2.467	4.709	-4677.47	1
5309_5310	5309	5310	263.741	114.231	-0.973	-2.467	-16.435	3693.976	1
5310_5310	5310	5310	-263.73	-114.231	0.957	-1.532	16.435	-3693.98	1
5310_5311	5310	5311	185.527	121.116	-0.957	1.532	-27.915	2653.577	1
5311_5311	5311	5311	-185.592	-151.34	-1.182	0.53	27.915	-2653.7	1
5311_5312	5311	5312	77.441	158.571	1.182	-0.53	-13.025	1214.867	1
5312_5312	5312	5312	-77.458	-158.571	-1.203	-1.139	13.025	-1214.86	1
5312_5313	5312	5313	-19.537	164.786	1.203	1.139	0	-75.555	1
5400_5020	5400	5020	684.035	-79.333	5.617	0.16	-55.815	-1276.49	1.02
5400_5401	5400	5401	-684.035	79.333	-5.617	-0.16	32.851	952.149	1
5401_5401	5401	5401	683.287	-77.393	3.38	0.563	-32.308	-952.156	1
5401_5402	5401	5402	-683.287	77.393	-3.38	-0.563	20.518	682.172	1
5402_5402	5402	5402	684.952	-60.976	2.113	-0.241	-20.878	-682.161	1
5402_5403	5402	5403	-684.952	60.976	-2.113	0.241	-2.199	16.21	1
5403_5403	5403	5403	680.387	-39.936	0.201	-0.109	1.651	-16.21	1
5403_5404	5403	5404	-680.387	39.936	-0.201	0.109	-3.099	-271.569	1
5404_5404	5404	5404	681.121	-24.396	-0.328	0.034	3.171	271.568	1
5404_5405	5404	5405	-681.121	24.396	0.328	-0.034	-0.802	-447.678	1
5405_5405	5405	5405	678.857	-0.333	0.089	-0.03	0.494	447.678	1
5405_5406	5405	5406	-678.857	0.333	-0.089	0.03	-1.776	-452.48	1
5406_5406	5406	5406	677.916	23.823	-0.105	-0.165	1.503	452.481	1
5406_5407	5406	5407	-677.916	-23.823	0.105	0.165	-0.574	-241.45	1
5407_5407	5407	5407	677.265	38.058	-1.112	0.173	0.731	241.45	1
5407_5408	5407	5408	-677.265	-38.058	1.112	-0.173	5.444	-30.053	1
5408_5408	5408	5408	672.076	-104.521	0.814	-0.268	-5.886	30.052	1
5408_5409	5408	5409	-672.076	104.521	-0.814	0.268	3.431	-345.533	1
5409_5409	5409	5409	671.517	102.879	2.423	0.233	-3.422	345.676	1
5409_5410	5409	5410	-671.517	-102.879	-2.423	-0.233	-3.916	-34.049	1
5410_5410	5410	5410	680.112	-40.329	-0.571	0.115	3.605	34.057	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5410_5411	5410	5411	-680.112	40.329	0.571	-0.115	-0.436	-258.029	1
5411_5411	5411	5411	680.809	-26.044	0.139	-0.158	0.553	258.028	1
5411_5412	5411	5412	-680.809	26.044	-0.139	0.158	-1.783	-488.685	1
5412_5412	5412	5412	685.533	-1.731	0.084	-0.059	1.482	488.689	1
5412_5413	5412	5413	-685.533	1.731	-0.084	0.059	-2.69	-513.647	1
5413_5413	5413	5413	691.093	22.138	-0.35	0.098	2.452	513.657	1
5413_5414	5413	5414	-691.093	-22.138	0.35	-0.098	0.071	-353.95	1
5414_5414	5414	5414	690.407	37.916	0.216	-0.195	0.028	353.95	1
5414_5415	5414	5415	-690.407	-37.916	-0.216	0.195	-1.586	-80.915	1
5415_5415	5415	5415	696.941	59.034	0.604	0.462	1.84	80.911	1
5415_5416	5415	5416	-696.941	-59.034	-0.604	-0.462	-8.439	563.809	1
5416_5416	5416	5416	695.295	75.993	-1.667	-1.641	8.953	-563.799	1
5416_5417	5416	5417	-695.295	-75.993	1.667	1.641	-3.129	829.253	1
5417_5417	5417	5417	696.347	76.186	-5.863	-0.139	3.48	-829.254	1
5417_5036	5417	5036	-696.347	-76.186	5.863	0.139	20.349	1138.887	1.01
5420_5056	5420	5056	579.786	-72.101	2.975	0.078	-14.541	-1246.76	1.01
5420_5421	5420	5421	-579.786	72.101	-2.975	-0.078	2.358	951.535	1
5421_5421	5421	5421	578.853	-70.331	0.485	0.318	-2.526	-951.539	1
5421_5422	5421	5422	-578.853	70.331	-0.485	-0.318	0.837	706.315	1
5422_5422	5422	5422	580.373	-56.427	0.153	-0.077	-0.951	-706.315	1
5422_5423	5422	5423	-580.373	56.427	-0.153	0.077	-0.724	90.313	1
5423_5423	5423	5423	575.992	-38.921	0.279	-0.029	0.365	-90.314	1
5423_5424	5423	5424	-575.992	38.921	-0.279	0.029	-2.381	-190.439	1
5424_5424	5424	5424	576.752	-25.253	-0.176	0.067	2.433	190.438	1
5424_5425	5424	5425	-576.752	25.253	0.176	-0.067	-1.168	-372.453	1
5425_5425	5425	5425	574.614	-5.272	-0.042	0.023	1.169	372.452	1
5425_5426	5425	5426	-574.614	5.272	0.042	-0.023	-0.566	-448.467	1
5426_5426	5426	5426	573.454	15.445	0.205	-0.215	0.451	448.466	1
5426_5427	5426	5427	-573.454	-15.445	-0.205	0.215	-2.269	-311.735	1
5427_5427	5427	5427	573.018	27.165	-1.079	0.423	2.578	311.733	1
5427_5428	5427	5428	-573.018	-27.165	1.079	-0.423	3.42	-160.746	1
5428_5428	5428	5428	567.421	-93.234	0.497	-0.487	-3.651	160.741	1
5428_5429	5428	5429	-567.421	93.234	-0.497	0.487	2.15	-442.288	1
5429_5429	5429	5429	567.533	94.296	-1.454	0.478	-2.148	442.524	1
5429_5430	5429	5430	-567.533	-94.296	1.454	-0.478	6.552	-156.912	1
5430_5430	5430	5430	575.571	-27.119	0.638	-0.064	-6.02	156.909	1
5430_5431	5430	5431	-575.571	27.119	-0.638	0.064	2.478	-307.393	1
5431_5431	5431	5431	576.023	-14.689	0.503	0.061	-2.509	307.392	1
5431_5432	5431	5432	-576.023	14.689	-0.503	-0.061	-1.946	-437.551	1
5432_5432	5432	5432	579.483	5.794	-0.078	0.017	1.898	437.559	1
5432_5433	5432	5433	-579.483	-5.794	0.078	-0.017	-0.779	-354.044	1
5433_5433	5433	5433	583.903	26.051	0.117	0.009	0.977	354.05	1
5433_5434	5433	5434	-583.903	-26.051	-0.117	-0.009	-1.823	-166.118	1
5434_5434	5434	5434	583.157	39.358	-0.078	0.024	1.804	166.118	1
5434_5435	5434	5435	-583.157	-39.358	0.078	-0.024	-1.241	117.267	1
5435_5435	5435	5435	589.385	57.492	-0.754	-0.253	1.821	-117.259	1
5435_5436	5435	5436	-589.385	-57.492	0.754	0.253	6.421	745.62	1
5436_5436	5436	5436	587.872	71.322	-0.003	0.883	-6.689	-745.617	1
5436_5437	5436	5437	-587.872	-71.322	0.003	-0.883	6.698	994.158	1
5437_5437	5437	5437	588.853	73.083	-6.05	-0.159	-5.463	-994.197	1
5437_5072	5437	5072	-588.853	-73.083	6.05	0.159	30.217	1293.217	1.01
5440_5094	5440	5094	621.448	-67.506	1.929	0.096	-14.356	-986.128	1
5440_5441	5440	5441	-621.448	67.506	-1.929	-0.096	6.472	710.223	1
5441_5441	5441	5441	620.142	-65.908	0.978	0.333	-6.387	-710.22	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5441_5442	5441	5442	-620.142	65.908	-0.978	-0.333	2.973	480.211	1
5442_5442	5442	5442	621.546	-51.011	0.308	-0.126	-3.12	-480.21	1
5442_5443	5442	5443	-621.546	51.011	-0.308	0.126	-0.245	-77.105	1
5443_5443	5443	5443	616.351	-31.763	0.407	-0.157	0.081	77.101	1
5443_5444	5443	5444	-616.351	31.763	-0.407	0.157	-3.012	-305.818	1
5444_5444	5444	5444	616.915	-17.692	-0.33	0.144	3.138	305.817	1
5444_5445	5444	5445	-616.915	17.692	0.33	-0.144	-0.757	-433.449	1
5445_5445	5445	5445	613.901	3.932	-0.099	0.001	1.14	433.45	1
5445_5446	5445	5446	-613.901	-3.932	0.099	-0.001	0.288	-376.777	1
5446_5446	5446	5446	611.637	25.822	0.588	0.003	-0.039	376.778	1
5446_5447	5446	5447	-611.637	-25.822	-0.588	-0.003	-5.167	-148.069	1
5447_5447	5447	5447	610.977	38.395	0.244	-0.022	5.203	148.067	1
5447_5448	5447	5448	-610.977	-38.395	-0.244	0.022	-6.559	65.379	1
5448_5448	5448	5448	606.291	-90.222	-2.094	1.068	7.17	-65.381	1
5448_5449	5448	5449	-606.291	90.222	2.094	-1.068	-0.837	-207.449	1
5449_5449	5449	5449	606.248	90.049	1.89	-1.125	0.85	207.49	1
5449_5450	5449	5450	-606.248	-90.049	-1.89	1.125	-6.567	64.871	1
5450_5450	5450	5450	611.686	-39.06	-0.493	0.05	6.221	-64.866	1
5450_5451	5450	5451	-611.686	39.06	0.493	-0.05	-3.483	-151.944	1
5451_5451	5451	5451	612.379	-26.015	-0.337	-0.062	3.5	151.944	1
5451_5452	5451	5452	-612.379	26.015	0.337	0.062	-0.516	-382.381	1
5452_5452	5452	5452	615.562	-4.131	0.046	-0.021	0.27	382.382	1
5452_5453	5452	5453	-615.562	4.131	-0.046	0.021	-0.93	-441.934	1
5453_5453	5453	5453	619.454	17.453	0.047	-0.034	0.801	441.936	1
5453_5454	5453	5454	-619.454	-17.453	-0.047	0.034	-1.138	-316.032	1
5454_5454	5454	5454	618.882	31.841	-0.077	0.004	1.116	316.032	1
5454_5455	5454	5455	-618.882	-31.841	0.077	-0.004	-0.558	-86.468	1
5455_5455	5455	5455	624.712	50.662	0.217	0.115	0.717	86.47	1
5455_5456	5455	5456	-624.712	-50.662	-0.217	-0.115	-3.09	466.493	1
5456_5456	5456	5456	623.3	65.788	-0.363	-0.406	3.211	-466.492	1
5456_5457	5456	5457	-623.3	-65.788	0.363	0.406	-1.945	696.043	1
5457_5457	5457	5457	624.647	67.661	-2.399	-0.043	2.29	-696.04	1
5457_5110	5457	5110	-624.647	-67.661	2.399	0.043	7.536	973.193	1.01
5460_5132	5460	5132	574.164	-75.007	-5.05	-0.065	25.551	-1296.04	1.03
5460_5461	5460	5461	-574.164	75.007	5.05	0.065	-4.823	988.185	1
5461_5461	5461	5461	573.002	-72.457	-1.192	-0.497	5.447	-988.186	1
5461_5462	5461	5462	-573.002	72.457	1.192	0.497	-1.288	735.448	1
5462_5462	5462	5462	574.576	-58.689	-0.682	0.145	1.473	-735.447	1
5462_5463	5462	5463	-574.576	58.689	0.682	-0.145	5.975	94.543	1
5463_5463	5463	5463	569.116	-39.667	-0.336	0.167	-5.235	-94.568	1
5463_5464	5463	5464	-569.116	39.667	0.336	-0.167	7.654	-191.317	1
5464_5464	5464	5464	569.883	-26.434	1.253	-0.198	-7.839	191.309	1
5464_5465	5464	5465	-569.883	26.434	-1.253	0.198	-1.196	-381.936	1
5465_5465	5465	5465	566.719	-5.012	-0.054	-0.022	1.082	381.924	1
5465_5466	5465	5466	-566.719	5.012	0.054	0.022	-0.297	-454.148	1
5466_5466	5466	5466	563.646	16.723	-0.312	0.175	0.494	454.154	1
5466_5467	5466	5467	-563.646	-16.723	0.312	-0.175	2.271	-306.083	1
5467_5467	5467	5467	563.182	28.305	0.75	-0.343	-2.527	306.081	1
5467_5468	5467	5468	-563.182	-28.305	-0.75	0.343	-1.641	-148.769	1
5468_5468	5468	5468	555.842	-87.955	0.231	-0.112	1.713	148.765	1
5468_5469	5468	5469	-555.842	87.955	-0.231	0.112	-2.411	-414.659	1
5469_5469	5469	5469	554.879	88.093	0.082	0.088	-3.679	411.584	1
5469_5470	5469	5470	-554.879	-88.093	-0.082	-0.088	3.43	-145.272	1
5470_5470	5470	5470	562.496	-27.99	0.504	-0.164	-3.267	145.28	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5470_5471	5470	5471	-562.496	27.99	-0.504	0.164	0.468	-300.839	1
5471_5471	5471	5471	562.96	-16.166	0.08	0.069	-0.569	300.839	1
5471_5472	5471	5472	-562.96	16.166	-0.08	-0.069	-0.136	-444.126	1
5472_5472	5472	5472	566.42	4.995	0.065	-0.015	-0.031	444.118	1
5472_5473	5472	5473	-566.42	-4.995	-0.065	0.015	-0.911	-372.144	1
5473_5473	5473	5473	570.173	25.465	-0.111	-0.016	0.641	372.147	1
5473_5474	5473	5474	-570.173	-25.465	0.111	0.016	0.16	-188.508	1
5474_5474	5474	5474	569.427	38.711	-0.151	0.001	-0.164	188.508	1
5474_5475	5474	5475	-569.427	-38.711	0.151	-0.001	1.251	90.491	1
5475_5475	5475	5475	574.858	56.347	0.528	-0.04	-1.475	-90.491	1
5475_5476	5475	5476	-574.858	-56.347	-0.528	0.04	-4.295	705.857	1
5476_5476	5476	5476	573.341	70.123	0.753	0.143	4.216	-705.857	1
5476_5477	5476	5477	-573.341	-70.123	-0.753	-0.143	-6.842	950.469	1
5477_5477	5477	5477	574.423	71.822	0.483	0.052	7.486	-950.45	1
5477_5148	5477	5148	-574.423	-71.822	-0.483	-0.052	-9.466	1244.553	1
5480_5168	5480	5168	580.687	-78.697	0.689	0.057	-1.426	-1485.58	1
5480_5481	5480	5481	-580.687	78.697	-0.689	-0.057	-1.394	1163.311	1
5481_5481	5481	5481	579.826	-77.137	-0.994	-1.721	0.482	-1163.29	1
5481_5482	5481	5482	-579.826	77.137	0.994	1.721	2.984	894.214	1
5482_5482	5482	5482	581.527	-63.058	0.389	0.548	-2.381	-894.217	1
5482_5483	5482	5483	-581.527	63.058	-0.389	-0.548	-1.863	206.157	1
5483_5483	5483	5483	577.408	-45.343	-0.479	0.061	1.824	-206.159	1
5483_5484	5483	5484	-577.408	45.343	0.479	-0.061	1.63	-120.639	1
5484_5484	5484	5484	578.306	-31.913	0.347	-0.077	-1.69	120.639	1
5484_5485	5484	5485	-578.306	31.913	-0.347	0.077	-0.814	-350.779	1
5485_5485	5485	5485	575.875	-11.186	-0.087	-0.012	0.982	350.779	1
5485_5486	5485	5486	-575.875	11.186	0.087	0.012	0.271	-512.065	1
5486_5486	5486	5486	573.708	10.798	-0.224	0.075	-0.315	512.078	1
5486_5487	5486	5487	-573.708	-10.798	0.224	-0.075	2.296	-416.47	1
5487_5487	5487	5487	573.365	22.591	0.199	-0.179	-2.433	416.469	1
5487_5488	5487	5488	-573.365	-22.591	-0.199	0.179	1.326	-290.915	1
5488_5488	5488	5488	565.028	-95.781	-0.585	-0.357	-1.194	290.912	1
5488_5489	5488	5489	-565.028	95.781	0.585	0.357	2.963	-580.466	1
5489_5489	5489	5489	567.677	96.648	-1.046	0.338	-0.617	588.062	1
5489_5490	5489	5490	-567.677	-96.648	1.046	-0.338	3.778	-295.886	1
5490_5490	5490	5490	576.439	-22.336	0.574	-0.212	-3.391	295.894	1
5490_5491	5490	5491	-576.439	22.336	-0.574	0.212	0.201	-420.031	1
5491_5491	5491	5491	576.777	-10.48	0.149	0.099	-0.338	420.031	1
5491_5492	5491	5492	-576.777	10.48	-0.149	-0.099	-0.98	-512.823	1
5492_5492	5492	5492	579.252	11.565	-0.122	-0.008	0.865	512.826	1
5492_5493	5492	5493	-579.252	-11.565	0.122	0.008	0.899	-346.076	1
5493_5493	5493	5493	582.086	32.413	0.318	-0.075	-0.773	346.08	1
5493_5494	5493	5494	-582.086	-32.413	-0.318	0.075	-1.523	-112.335	1
5494_5494	5494	5494	581.175	45.93	-0.513	0.055	1.467	112.336	1
5494_5495	5494	5495	-581.175	-45.93	0.513	-0.055	2.232	218.697	1
5495_5495	5495	5495	585.828	63.911	0.587	0.559	-2.343	-218.694	1
5495_5496	5495	5496	-585.828	-63.911	-0.587	-0.559	-4.063	916.672	1
5496_5496	5496	5496	584.126	77.944	-0.8	-1.795	4.678	-916.667	1
5496_5497	5496	5497	-584.126	-77.944	0.8	1.795	-1.887	1188.553	1
5497_5497	5497	5497	584.878	79.579	0.488	0.08	0.992	-1188.58	1
5497_5184	5497	5184	-584.878	-79.579	-0.488	-0.08	-2.991	1514.46	1.02
5500_5204	5500	5204	651.464	-84.184	-1.066	0.017	0.449	-1528.98	1.01
5500_5501	5500	5501	-651.464	84.184	1.066	-0.017	3.916	1184.256	1
5501_5501	5501	5501	650.927	-82.47	0.536	0.303	-3.213	-1184.29	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5501_5502	5501	5502	-650.927	82.47	-0.536	-0.303	1.344	896.602	1
5502_5502	5502	5502	652.719	-66.829	0.281	-0.026	-1.442	-896.602	1
5502_5503	5502	5503	-652.719	66.829	-0.281	0.026	-1.627	166.755	1
5503_5503	5503	5503	647.134	-47.108	-0.525	0.129	1.642	-166.75	1
5503_5504	5503	5504	-647.134	47.108	0.525	-0.129	2.139	-172.77	1
5504_5504	5504	5504	648.054	-32.057	0.403	-0.073	-2.225	172.769	1
5504_5505	5504	5505	-648.054	32.057	-0.403	0.073	-0.684	-403.95	1
5505_5505	5505	5505	643.94	-9.744	-0.149	0.037	0.927	403.943	1
5505_5506	5505	5506	-643.94	9.744	0.149	-0.037	1.215	-544.441	1
5506_5506	5506	5506	640.624	13.195	0.586	0.161	-1.251	544.446	1
5506_5507	5506	5507	-640.624	-13.195	-0.586	-0.161	-3.936	-427.606	1
5507_5507	5507	5507	640.216	26.364	1.058	-0.23	3.796	427.607	1
5507_5508	5507	5508	-640.216	-26.364	-1.058	0.23	-9.679	-281.084	1
5508_5508	5508	5508	630.159	-107.816	-1.405	0.873	10.251	281.057	1
5508_5509	5508	5509	-630.159	107.816	1.405	-0.873	-6.004	-606.994	1
5509_5509	5509	5509	630.258	108.287	-0.969	-0.902	6.011	606.93	1
5509_5510	5509	5510	-630.258	-108.287	0.969	0.902	-3.08	-279.569	1
5510_5510	5510	5510	637.757	-25.755	0.498	-0.41	3.313	279.571	1
5510_5511	5510	5511	-637.757	25.755	-0.498	0.41	-6.081	-422.708	1
5511_5511	5511	5511	638.152	-12.64	-0.7	0.252	5.729	422.713	1
5511_5512	5511	5512	-638.152	12.64	0.7	-0.252	0.465	-534.63	1
5512_5512	5512	5512	638.74	10.336	0.019	-0.009	-0.14	534.637	1
5512_5513	5512	5513	-638.74	-10.336	-0.019	0.009	-0.134	-385.615	1
5513_5513	5513	5513	639.887	32.604	0.334	-0.069	0.233	385.616	1
5513_5514	5513	5514	-639.887	-32.604	-0.334	0.069	-2.642	-150.494	1
5514_5514	5514	5514	638.977	47.189	-0.573	0.089	2.568	150.495	1
5514_5515	5514	5515	-638.977	-47.189	0.573	-0.089	1.556	189.158	1
5515_5515	5515	5515	641.495	66.997	0.51	0.468	-1.479	-189.149	1
5515_5516	5515	5516	-641.495	-66.997	-0.51	-0.468	-4.086	920.818	1
5516_5516	5516	5516	639.703	82.365	-0.442	-1.049	4.474	-920.815	1
5516_5517	5516	5517	-639.703	-82.365	0.442	1.049	-2.933	1208.124	1
5517_5517	5517	5517	640.123	83.718	-9.68	-0.563	7.052	-1207.99	1
5517_5220	5517	5220	-640.123	-83.718	9.68	0.563	32.585	1550.787	1
5520_5240	5520	5240	623.732	-154.449	13.948	0.808	-128.452	-2441.98	1
5520_5521	5520	5521	-623.732	154.449	-13.948	-0.808	33.265	1387.966	1
5521_5521	5521	5521	638.172	-88	5.043	3.517	-33.424	-1388.24	1
5521_5522	5521	5522	-638.172	88	-5.043	-3.517	15.8	1080.674	1
5522_5522	5522	5522	640.163	-72.245	2.338	-0.817	-17.092	-1080.66	1
5522_5523	5522	5523	-640.163	72.245	-2.338	0.817	-8.427	292.026	1
5523_5523	5523	5523	638.801	-55.494	0.33	-0.085	7.156	-291.785	1
5523_5524	5523	5524	-638.801	55.494	-0.33	0.085	-9.537	-108.031	1
5524_5524	5524	5524	639.914	-40.674	-1.711	0.047	9.657	108.021	1
5524_5525	5524	5525	-639.914	40.674	1.711	-0.047	2.678	-401.295	1
5525_5525	5525	5525	638.584	-21.135	-0.381	-0.111	-3.112	401.047	1
5525_5526	5525	5526	-638.584	21.135	0.381	0.111	8.612	-705.756	1
5526_5526	5526	5526	637.794	-0.07	0.77	-0.482	-8.225	705.152	1
5526_5527	5526	5527	-637.794	0.07	-0.77	0.482	1.399	-705.768	1
5527_5527	5527	5527	637.654	13.379	0.036	0.353	-1.039	705.769	1
5527_5528	5527	5528	-637.654	-13.379	-0.036	-0.353	0.84	-631.456	1
5528_5528	5528	5528	626.791	-120.705	-1.351	-1.062	0.182	630.77	1
5528_5529	5528	5529	-626.791	120.705	1.351	1.062	3.903	-995.725	1
5529_5529	5529	5529	627.048	122.064	-0.018	0.383	-3.751	995.09	1
5529_5530	5529	5530	-627.048	-122.064	0.018	-0.383	3.805	-626.126	1
5530_5530	5530	5530	639.056	-11.414	2.329	-1.003	-4.444	625.548	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
5530_5531	5530	5531	-639.056	11.414	-2.329	1.003	-8.494	-688.961	1
5531_5531	5531	5531	639.158	1.84	1.006	0.248	7.851	688.969	1
5531_5532	5531	5532	-639.158	-1.84	-1.006	-0.248	-16.764	-672.674	1
5532_5532	5532	5532	640.408	25.396	-0.351	-0.201	16.08	672.398	1
5532_5533	5532	5533	-640.408	-25.396	0.351	0.201	-11.024	-306.136	1
5533_5533	5533	5533	640.447	48.531	-0.608	0.126	10.739	306.051	1
5533_5534	5533	5534	-640.447	-48.531	0.608	-0.126	-6.353	43.919	1
5534_5534	5534	5534	639.143	63.424	-1.059	-0.054	6.365	-43.917	1
5534_5535	5534	5535	-639.143	-63.424	1.059	0.054	1.265	501.067	1
5535_5535	5535	5535	637.065	84.07	4.673	0.633	-0.255	-500.663	1
5535_5536	5535	5536	-637.065	-84.07	-4.673	-0.633	-50.782	1418.802	1
5536_5536	5536	5536	634.893	99.141	4.817	-0.236	50.694	-1418.81	1
5536_5537	5536	5537	-634.893	-99.141	-4.817	0.236	-67.477	1764.257	1
5537_5537	5537	5537	638.358	100.396	-15.605	-4.3	70.983	-1764.06	1
5537_5254	5537	5254	-638.358	-100.396	15.605	4.3	-7.08	2175.177	1
5540_5278	5540	5278	942.53	-111.672	8.897	8.454	-76.344	-1771.61	1.02
5540_5541	5540	5541	-942.53	111.672	-8.897	-8.454	39.967	1315.015	1
5541_5541	5541	5541	943.554	-109.171	4.539	1.396	-40.831	-1317.3	1
5541_5542	5541	5542	-943.554	109.171	-4.539	-1.396	24.97	935.786	1
5542_5542	5542	5542	945.954	-86	2.641	0.079	-25.493	-935.773	1
5542_5543	5542	5543	-945.954	86	-2.641	-0.079	-3.343	-3.283	1
5543_5543	5543	5543	946.163	-56.852	0.357	-0.87	1.744	2.714	1
5543_5544	5543	5544	-946.163	56.852	-0.357	0.87	-4.317	-412.478	1
5544_5544	5544	5544	947.238	-34.524	-2.252	0.179	4.702	412.475	1
5544_5545	5544	5545	-947.238	34.524	2.252	-0.179	11.52	-661.21	1
5545_5545	5545	5545	943.912	-2.416	0.003	-0.494	-12.118	660.081	1
5545_5546	5545	5546	-943.912	2.416	-0.003	0.494	12.08	-694.919	1
5546_5546	5546	5546	939.352	30.488	3.339	-0.459	-12.111	693.975	1
5546_5547	5546	5547	-939.352	-30.488	-3.339	0.459	-17.456	-424.014	1
5547_5547	5547	5547	938.538	49.637	1.968	-0.21	17.72	424.003	1
5547_5548	5547	5548	-938.538	-49.637	-1.968	0.21	-28.661	-148.029	1
5548_5548	5548	5548	928.459	-147.05	-2.885	1.588	29.449	146.239	1
5548_5549	5548	5549	-928.459	147.05	2.885	-1.588	-20.729	-590.738	1
5549_5549	5549	5549	932.27	146.709	-1.412	-2.023	20.897	592.511	1
5549_5550	5549	5550	-932.27	-146.709	1.412	2.023	-16.691	-155.676	1
5550_5550	5550	5550	940.761	-56.533	2.538	-0.58	16.299	154.864	1
5550_5551	5550	5551	-940.761	56.533	-2.538	0.58	-30.677	-475.094	1
5551_5551	5551	5551	941.803	-35.221	0.512	-0.27	30.202	475.124	1
5551_5552	5551	5552	-941.803	35.221	-0.512	0.27	-34.517	-771.768	1
5552_5552	5552	5552	943.921	2.402	-0.05	-0.565	33.618	771.62	1
5552_5553	5552	5553	-943.921	-2.402	0.05	0.565	-32.917	-737.812	1
5553_5553	5553	5553	946.459	38.027	-1.72	-0.241	31.909	737.623	1
5553_5554	5553	5554	-946.459	-38.027	1.72	0.241	-19.797	-469.876	1
5554_5554	5554	5554	945.165	62.36	-2.786	-0.208	19.605	469.884	1
5554_5555	5554	5555	-945.165	-62.36	2.786	0.208	0.023	-30.586	1
5555_5555	5555	5555	948.023	95.889	-2.771	0.998	-0.063	31.005	1
5555_5556	5555	5556	-948.023	-95.889	2.771	-0.998	29.593	990.927	1
5556_5556	5556	5556	944.979	122.221	-5.043	-0.646	-28.907	-990.947	1
5556_5557	5556	5557	-944.979	-122.221	5.043	0.646	46.198	1409.99	1
5557_5557	5557	5557	943.375	123.978	-1.215	-1.443	-46.448	-1410.11	1
5557_5290	5557	5290	-943.375	-123.978	1.215	1.443	53.121	2091.109	1.02
45000_5000	45000	5000	3.344	122.9	4.199	2.358	0	19.801	1
45000_5001	45000	5001	-3.344	-114.579	-4.199	-2.358	-53.427	1490.889	1
45001_5001	45001	5001	3.35	114.579	4.195	0.355	53.427	-1490.89	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
45001_5002	45001	5002	-3.35	-108.114	-4.195	-0.355	-94.897	2591.644	1
45002_5002	45002	5002	3.302	90.565	-4.366	3.677	94.897	-2591.68	1
45002_5003	45002	5003	-3.302	-82.622	4.366	-3.677	-41.875	3643.316	1
45003_5003	45003	5003	3.296	82.622	-4.371	-1.885	41.875	-3643.32	1
45003_5004	45003	5004	-3.296	-74.688	4.371	1.885	11.154	4597.562	1
45004_5004	45004	5004	3.323	59.081	0.739	2.376	-11.154	-4597.63	1
45004_5005	45004	5005	-3.323	-51.141	-0.739	-2.376	2.178	5266.646	1
45005_5005	45005	5005	3.324	51.141	0.736	-2.477	-2.178	-5266.65	1
45005_5006	45005	5006	-3.324	-43.197	-0.736	2.477	-6.767	5839.657	1
45006_5006	45006	5006	3.32	26.216	-0.062	4.766	6.767	-5839.73	1
45006_5007	45006	5007	-3.32	-18.278	0.062	-4.766	-6.018	6109.736	1
45007_5007	45007	5007	3.32	18.278	-0.067	-5.224	6.018	-6109.74	1
45007_5008	45007	5008	-3.32	-10.342	0.067	5.224	-5.204	6283.381	1
45008_5008	45008	5008	3.323	-6.31	0.341	4.511	5.204	-6283.45	1
45008_5009	45008	5009	-3.323	14.251	-0.341	-4.511	-9.35	6158.613	1
45009_5009	45009	5009	3.324	-14.251	0.336	-5.557	9.35	-6158.61	1
45009_5010	45009	5010	-3.324	22.191	-0.336	5.557	-13.429	5937.399	1
45010_5010	45010	5010	3.324	-38.96	0.141	-0.8	13.429	-5937.51	1
45010_5011	45010	5011	-3.324	46.899	-0.141	0.8	-15.139	5416.422	1
45011_5011	45011	5011	3.324	-46.899	0.141	-0.8	15.139	-5416.42	1
45011_5012	45011	5012	-3.324	54.837	-0.141	0.8	-16.848	4798.982	1
45012_5012	45012	5012	3.319	-71.304	-0.651	0.454	16.848	-4799.06	1
45012_5013	45012	5013	-3.319	79.246	0.651	-0.454	-8.941	3884.888	1
45013_5013	45013	5013	3.318	-79.246	-0.654	-2.348	8.941	-3884.89	1
45013_5014	45013	5014	-3.318	87.181	0.654	2.348	-1.011	2875.225	1
45014_5014	45014	5014	3.333	-103.177	1.782	-0.327	1.011	-2875.25	1
45014_5015	45014	5015	-3.333	113.738	-1.782	0.327	-29.788	1123.816	1
45015_5015	45015	5015	4.331	-113.704	1.78	-2.385	29.768	-1121.96	1
45015_5016	45015	5016	-4.378	119.103	-1.78	2.385	-44.459	161.033	1
45016_5016	45016	5016	6.823	-135.656	-1.137	-1.244	44.461	-161.018	1
45016_5017	45016	5017	-7.016	143.208	1.137	1.244	-31.1	-1477.23	1.06
45017_5017	45017	5017	10.51	-142.995	-1.14	-0.78	31.122	1476.89	1.06
45017_5018	45017	5018	-10.936	151.523	1.14	0.78	-15.979	-3432.57	1.03
45018_5018	45018	5018	16.017	-167.756	0.136	-3.453	15.783	3432.546	1.03
45018_5019	45018	5019	-16.622	175.785	-0.136	3.453	-17.486	-5583.44	1.02
45019_5019	45019	5019	21.197	-175.292	0.133	1.49	17.939	5583.437	1.02
45019_5020	45019	5020	-22.014	183.333	-0.133	-1.49	-19.608	-7837.34	1.02
45020_5020	45020	5020	-637.868	63.29	-3.327	-1.316	73.37	1814.429	1.02
45020_5021	45020	5021	637.868	-57.184	3.327	1.316	-41.775	-1242.42	1
45021_5021	45021	5021	-637.868	57.184	-3.226	-0.339	41.775	1088.311	1
45021_5022	45021	5022	637.868	-52.197	3.226	0.339	-16.755	-664.155	1
45022_5022	45022	5022	-637.871	52.197	-2.496	0.421	16.755	664.155	1
45022_5023	45022	5023	637.871	-47.217	2.496	-0.421	2.578	-279.195	1
45023_5023	45023	5023	-637.88	32.161	-1.004	-0.496	-2.578	279.191	1
45023_5024	45023	5024	637.88	-27.014	1.004	0.496	10.614	-42.364	1
45024_5024	45024	5024	-637.878	27.014	-1.881	-0.554	-10.614	42.364	1
45024_5025	45024	5025	637.878	-21.873	1.881	0.554	25.655	153.074	1
45025_5025	45025	5025	-637.88	21.873	-0.211	-0.955	-25.655	-153.072	1
45025_5026	45025	5026	637.88	-16.727	0.211	0.955	27.347	307.537	1
45026_5026	45026	5026	-637.885	0.503	-0.855	-0.571	-27.347	-307.539	1
45026_5027	45026	5027	637.885	3.356	0.855	0.571	32.479	298.978	1
45027_5027	45027	5027	-637.885	-3.356	-0.965	-0.52	-32.479	-298.979	1
45027_5028	45027	5028	637.885	7.209	0.965	0.52	38.262	267.326	1
45028_5028	45028	5028	-637.885	-7.209	-0.855	-0.566	-38.262	-267.325	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
45028_5029	45028	5029	637.885	11.068	0.855	0.566	43.395	212.475	1
45029_5029	45029	5029	-637.886	-11.068	0.202	-0.918	-43.395	-212.474	1
45029_5030	45029	5030	637.886	14.927	-0.202	0.918	42.182	134.474	1
45030_5030	45030	5030	-637.892	-30.952	-0.36	-0.709	-42.182	-134.489	1
45030_5031	45030	5031	637.892	36.096	0.36	0.709	45.065	-133.74	1
45031_5031	45031	5031	-637.892	-36.096	0.433	-0.543	-45.065	133.741	1
45031_5032	45031	5032	637.892	41.24	-0.433	0.543	41.601	-443.092	1
45032_5032	45032	5032	-637.892	-41.24	0.433	-0.543	-41.601	443.092	1
45032_5033	45032	5033	637.892	46.384	-0.433	0.543	38.138	-793.596	1
45033_5033	45033	5033	-637.891	-61.84	1.474	-1.435	-38.138	793.621	1
45033_5034	45033	5034	637.891	66.821	-1.474	1.435	26.717	-1292.01	1
45034_5034	45034	5034	-637.891	-66.821	1.474	-1.435	-26.717	1292.014	1
45034_5035	45034	5035	637.891	71.803	-1.474	1.435	15.296	-1829	1
45035_5035	45035	5035	-637.89	-71.803	2.114	0.937	-15.296	1991.192	1
45035_5036	45035	5036	637.89	77.895	-2.114	-0.937	-4.731	-2700.37	1.01
45036_5036	45036	5036	31.832	158.125	0.697	-8.125	-14.225	8953.58	1.01
45036_5037	45036	5037	-31.014	-150.069	-0.697	8.125	5.443	-7013.02	1.02
45037_5037	45037	5037	27.101	150.825	0.662	7.637	-6.83	7013.018	1.02
45037_5038	45037	5038	-26.495	-142.784	-0.662	-7.637	-1.476	-5171.9	1.02
45038_5038	45038	5038	22.052	126.693	-0.727	-2.873	2.193	5172.133	1.02
45038_5039	45038	5039	-21.625	-118.174	0.727	2.873	7.45	-3548.07	1.03
45039_5039	45039	5039	18.718	118.669	-0.753	3.374	-7.674	3549.631	1.03
45039_5040	45039	5040	-18.527	-111.22	0.753	-3.374	16.53	-2198.62	1.05
45040_5040	45040	5040	16.529	94.282	0.83	-0.465	-16.435	2198.74	1.05
45040_5041	45040	5041	-16.483	-89.055	-0.83	0.465	9.588	-1442.98	1.07
45041_5041	45041	5041	15.7	89.196	0.82	0.351	-9.591	1447.463	1.07
45041_5042	45041	5042	-15.7	-79.227	-0.82	-0.351	-3.302	-123.298	1
45042_5042	45042	5042	15.693	62.943	-0.441	0.207	3.302	123.301	1
45042_5043	45042	5043	-15.693	-55.381	0.441	-0.207	1.961	582.285	1
45043_5043	45043	5043	15.693	55.381	-0.441	0.207	-1.961	-582.285	1
45043_5044	45043	5044	-15.693	-47.82	0.441	-0.207	7.225	1197.693	1
45044_5044	45044	5044	15.695	31.714	0.158	0.109	-7.225	-1197.71	1
45044_5045	45044	5045	-15.695	-24.148	-0.158	-0.109	5.344	1531.027	1
45045_5045	45045	5045	15.695	24.148	0.159	0.219	-5.344	-1531.03	1
45045_5046	45045	5046	-15.695	-16.588	-0.159	-0.219	3.452	1773.891	1
45046_5046	45046	5046	15.695	0.369	-0.01	1.577	-3.452	-1773.92	1
45046_5047	45046	5047	-15.695	7.195	0.01	-1.577	3.572	1733.191	1
45047_5047	45047	5047	15.695	-7.195	-0.035	-1.199	-3.572	-1733.19	1
45047_5048	45047	5048	-15.695	14.753	0.035	1.199	3.993	1602.375	1
45048_5048	45048	5048	15.694	-30.777	-0.285	1.215	-3.993	-1602.4	1
45048_5049	45048	5049	-15.694	38.34	0.285	-1.215	7.387	1190.136	1
45049_5049	45049	5049	15.693	-38.34	-0.311	-0.774	-7.387	-1190.14	1
45049_5050	45049	5050	-15.693	45.902	0.311	0.774	11.093	687.721	1
45050_5050	45050	5050	15.704	-61.406	0.914	-0.121	-11.093	-687.731	1
45050_5051	45050	5051	-15.704	71.366	-0.914	0.121	-3.271	-355.126	1.15
45051_5051	45051	5051	16.304	-71.231	0.892	0.44	3.274	353.577	1.15
45051_5052	45051	5052	-16.348	76.465	-0.892	-0.44	-10.64	-963.204	1.06
45052_5052	45052	5052	17.991	-93.241	-0.27	-1.728	10.597	963.196	1.06
45052_5053	45052	5053	-18.173	100.687	0.27	1.728	-7.421	-2102.33	1.03
45053_5053	45053	5053	20.727	-100.192	-0.3	1.983	7.569	2097.226	1.03
45053_5054	45053	5054	-21.135	108.379	0.3	-1.983	-3.587	-3480.42	1.02
45054_5054	45054	5054	24.965	-123.333	-0.22	-3.879	3.203	3480.387	1.02
45054_5055	45054	5055	-25.543	131.061	0.22	3.879	-0.442	-5075.38	1.01
45055_5055	45055	5055	28.94	-130.353	-0.245	4.166	1.154	5075.377	1.01

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
45055_5056	45055	5056	-29.72	138.08	0.245	-4.166	1.928	-6762.04	1.01
45056_5056	45056	5056	-526.664	70.58	-1.181	0.36	11.746	1896.013	1.01
45056_5057	45056	5057	526.664	-64.712	1.181	-0.36	-0.532	-1253.81	1
45057_5057	45057	5057	-526.663	64.712	-1.392	-0.066	0.532	1225.486	1
45057_5058	45057	5058	526.663	-59.923	1.392	0.066	10.253	-742.552	1
45058_5058	45058	5058	-526.664	59.923	-0.714	0.89	-10.253	742.551	1
45058_5059	45058	5059	526.664	-55.134	0.714	-0.89	15.784	-296.77	1
45059_5059	45059	5059	-526.666	40.602	-1.427	0.274	-15.784	296.768	1
45059_5060	45059	5060	526.666	-35.652	1.427	-0.274	27.214	8.612	1
45060_5060	45060	5060	-526.668	35.652	-0.159	0.253	-27.214	-8.613	1
45060_5061	45060	5061	526.668	-30.709	0.159	-0.253	28.489	273.998	1
45061_5061	45061	5061	-526.668	30.709	-0.159	0.253	-28.489	-273.998	1
45061_5062	45061	5062	526.668	-25.766	0.159	-0.253	29.764	499.848	1
45062_5062	45062	5062	-526.67	10.341	-0.059	0.734	-29.764	-499.838	1
45062_5063	45062	5063	526.67	-6.631	0.059	-0.734	30.12	550.784	1
45063_5063	45063	5063	-526.67	6.631	-0.118	0.795	-30.12	-550.784	1
45063_5064	45063	5064	526.67	-2.927	0.118	-0.795	30.825	579.429	1
45064_5064	45064	5064	-526.67	2.927	0.816	-0.232	-30.825	-579.429	1
45064_5065	45064	5065	526.67	0.782	-0.816	0.232	25.926	585.868	1
45065_5065	45065	5065	-526.67	-0.782	0.816	-0.232	-25.926	-585.868	1
45065_5066	45065	5066	526.67	4.492	-0.816	0.232	21.026	570.038	1
45066_5066	45066	5066	-526.675	-19.96	0.661	0.327	-21.026	-570.009	1
45066_5067	45066	5067	526.675	24.902	-0.661	-0.327	15.738	390.644	1
45067_5067	45067	5067	-526.675	-24.902	0.661	0.327	-15.738	-390.644	1
45067_5068	45067	5068	526.675	29.844	-0.661	-0.327	10.449	171.764	1
45068_5068	45068	5068	-526.674	-29.844	1.36	0.099	-10.449	-171.764	1
45068_5069	45068	5069	526.674	34.791	-1.36	-0.099	-0.437	-86.957	1
45069_5069	45069	5069	-526.67	-49.363	1.376	-0.661	0.437	86.978	1
45069_5070	45069	5070	526.67	54.149	-1.376	0.661	-11.091	-487.821	1
45070_5070	45070	5070	-526.668	-54.149	2.096	0.006	11.091	487.822	1
45070_5071	45070	5071	526.668	58.941	-2.096	-0.006	-27.341	-926.287	1
45071_5071	45071	5071	-526.666	-58.941	2.409	0.739	27.341	966.022	1
45071_5072	45071	5072	526.666	64.81	-2.409	-0.739	-50.218	-1553.66	1.01
45072_5072	45072	5072	38.911	143.788	0.122	-2.939	21.361	6430.719	1.01
45072_5073	45072	5073	-38.128	-136.062	-0.122	2.939	-22.89	-4672.43	1.01
45073_5073	45073	5073	34.575	137.008	0.083	3.908	22.247	4672.431	1.01
45073_5074	45073	5074	-33.995	-129.283	-0.083	-3.908	-23.288	-3003.33	1.01
45074_5074	45074	5074	29.957	114.064	-0.318	-0.98	23.593	3003.439	1.01
45074_5075	45074	5075	-29.547	-105.874	0.318	0.98	-19.367	-1544.39	1.03
45075_5075	45075	5075	26.838	106.593	-0.37	1.922	19.253	1552.204	1.03
45075_5076	45075	5076	-26.665	-99.521	0.37	-1.922	-14.906	-341.184	1.03
45076_5076	45076	5076	24.944	84.676	0.259	0.564	14.945	341.202	1.03
45076_5077	45076	5077	-24.902	-79.708	-0.259	-0.564	-17.08	337.093	1
45077_5077	45077	5077	24.228	79.915	0.229	0.085	17.084	-345.768	1
45077_5078	45077	5078	-24.228	-71.331	-0.229	-0.085	-20.347	1424.172	1
45078_5078	45078	5078	24.227	57.627	-0.3	1.907	20.347	-1424.2	1
45078_5079	45078	5079	-24.227	-50.876	0.3	-1.907	-16.977	2032.628	1
45079_5079	45079	5079	24.227	50.876	-0.344	-1.713	16.977	-2032.63	1
45079_5080	45079	5080	-24.227	-44.125	0.344	1.713	-13.124	2565.299	1
45080_5080	45080	5080	24.228	30.193	-0.064	2.626	13.124	-2565.32	1
45080_5081	45080	5081	-24.228	-23.442	0.064	-2.626	-12.409	2866.051	1
45081_5081	45081	5081	24.228	23.442	-0.107	-2.48	12.409	-2866.05	1
45081_5082	45081	5082	-24.228	-16.692	0.107	2.48	-11.21	3091.06	1
45082_5082	45082	5082	24.228	2.126	-0.131	-0.037	11.21	-3091.13	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
45082_5083	45082	5083	-24.228	5.124	0.131	0.037	-9.637	3073.076	1
45083_5083	45083	5083	24.228	-5.124	-0.132	-0.155	9.637	-3073.08	1
45083_5084	45083	5084	-24.228	12.38	0.132	0.155	-8.052	2967.591	1
45084_5084	45084	5084	24.228	-26.947	-0.093	2.087	8.052	-2967.64	1
45084_5085	45084	5085	-24.228	33.696	0.093	-2.087	-7.004	2627.696	1
45085_5085	45085	5085	24.228	-33.696	-0.137	-2.597	7.004	-2627.7	1
45085_5086	45085	5086	-24.228	40.445	0.137	2.597	-5.472	2212.125	1
45086_5086	45086	5086	24.228	-54.298	-0.392	1.211	5.472	-2212.14	1
45086_5087	45086	5087	-24.228	61.047	0.392	-1.211	-1.074	1565.61	1
45087_5087	45087	5087	24.227	-61.047	-0.436	-1.637	1.074	-1565.61	1
45087_5088	45087	5088	-24.227	67.801	0.436	1.637	3.823	842.811	1
45088_5088	45088	5088	24.231	-81.093	0.626	-0.517	-3.823	-842.828	1
45088_5089	45088	5089	-24.231	89.353	-0.626	0.517	-4.762	-326.523	1.08
45089_5089	45089	5089	25.003	-89.141	0.595	-0.253	4.76	331.126	1.08
45089_5090	45089	5090	-25.046	94.105	-0.595	0.253	-9.663	-1086.7	1.08
45090_5090	45090	5090	26.974	-108.948	-0.529	-2.885	9.596	1086.682	1.08
45090_5091	45090	5091	-27.151	116.02	0.529	2.885	-3.382	-2408.63	1.02
45091_5091	45091	5091	30.053	-115.303	-0.579	1.923	3.554	2404.561	1.02
45091_5092	45091	5092	-30.443	123.08	0.579	-1.923	4.127	-3985.68	1.02
45092_5092	45092	5092	34.632	-137.4	-0.085	-2.707	-4.434	3985.646	1.02
45092_5093	45092	5093	-35.184	144.736	0.085	2.707	5.501	-5753.66	1.02
45093_5093	45093	5093	38.933	-143.773	-0.105	2.172	-5.089	5753.661	1.02
45093_5094	45093	5094	-39.678	151.114	0.105	-2.172	6.412	-7607.26	1
45094_5094	45094	5094	-559.478	63.553	-1.169	-0.944	7.309	2063.057	1
45094_5095	45094	5095	559.478	-57.979	1.169	0.944	3.794	-1486.08	1
45095_5095	45095	5095	-559.479	57.979	-0.941	-0.301	-3.794	1463.667	1
45095_5096	45095	5096	559.479	-53.428	0.941	0.301	11.093	-1031.74	1
45096_5096	45096	5096	-559.479	53.428	-0.243	0.988	-11.093	1031.74	1
45096_5097	45096	5097	559.479	-48.882	0.243	-0.988	12.971	-635.611	1
45097_5097	45097	5097	-559.494	34.966	-0.008	-0.215	-12.971	635.588	1
45097_5098	45097	5098	559.494	-30.268	0.008	0.215	13.035	-374.536	1
45098_5098	45098	5098	-559.494	30.268	-0.008	-0.215	-13.035	374.536	1
45098_5099	45098	5099	559.494	-25.57	0.008	0.215	13.099	-151.086	1
45099_5099	45099	5099	-559.494	25.57	0.671	-0.032	-13.099	151.086	1
45099_5100	45099	5100	559.494	-20.878	-0.671	0.032	7.739	34.547	1
45100_5100	45100	5100	-559.493	6.092	0.906	-0.28	-7.739	-34.546	1
45100_5101	45100	5101	559.493	-2.568	-0.906	0.28	2.299	60.537	1
45101_5101	45101	5101	-559.491	2.568	1.838	-0.381	-2.299	-60.536	1
45101_5102	45101	5102	559.491	0.955	-1.838	0.381	-8.733	65.379	1
45102_5102	45102	5102	-559.491	-0.955	-1.889	0.055	8.733	-65.38	1
45102_5103	45102	5103	559.491	4.479	1.889	-0.055	2.604	49.07	1
45103_5103	45103	5103	-559.493	-4.479	-0.987	-0.024	-2.604	-49.07	1
45103_5104	45103	5104	559.493	7.997	0.987	0.024	8.517	11.686	1
45104_5104	45104	5104	-559.493	-22.8	-0.434	-0.288	-8.517	-11.685	1
45104_5105	45104	5105	559.493	27.499	0.434	0.288	11.988	-189.609	1
45105_5105	45105	5105	-559.493	-27.499	0.244	-0.058	-11.988	189.609	1
45105_5106	45105	5106	559.493	32.191	-0.244	0.058	10.038	-428.176	1
45106_5106	45106	5106	-559.493	-32.191	0.265	-0.042	-10.038	428.176	1
45106_5107	45106	5107	559.493	36.889	-0.265	0.042	7.917	-704.62	1
45107_5107	45107	5107	-559.491	-50.882	0.684	-0.734	-7.917	704.634	1
45107_5108	45107	5108	559.491	55.433	-0.684	0.734	2.611	-1116.77	1
45108_5108	45108	5108	-559.491	-55.433	0.664	-0.775	-2.611	1116.77	1
45108_5109	45108	5109	559.491	59.978	-0.664	0.775	-2.529	-1563.59	1
45109_5109	45109	5109	-559.49	-59.978	1.254	0.941	2.529	1593.427	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
45109_5110	45109	5110	559.49	65.557	-1.254	-0.941	-14.446	-2189.94	1.01
45110_5110	45110	5110	42.578	147.669	-0.019	-4.559	7.647	7764.952	1.01
45110_5111	45110	5111	-41.831	-140.329	0.019	4.559	-7.407	-5955.06	1.01
45111_5111	45111	5111	38.167	141.369	-0.062	4.627	6.578	5955.057	1.01
45111_5112	45111	5112	-37.614	-134.035	0.062	-4.627	-5.797	-4229.73	1.01
45112_5112	45112	5112	33.472	119.816	-0.05	-1.278	6.2	4229.835	1.01
45112_5113	45112	5113	-33.08	-112.036	0.05	1.278	-5.54	-2691.46	1.03
45113_5113	45113	5113	30.254	112.832	-0.085	2.008	5.42	2696.035	1.03
45113_5114	45113	5114	-30.082	-105.945	0.085	-2.008	-4.426	-1410	1.03
45114_5114	45114	5114	28.206	91.394	-0.078	0.174	4.474	1410.044	1.03
45114_5115	45114	5115	-28.164	-86.565	0.078	-0.174	-3.83	-676.671	1.11
45115_5115	45115	5115	27.413	86.805	-0.085	0.317	3.832	675.492	1.11
45115_5116	45115	5116	-27.413	-78.459	0.085	-0.317	-2.616	501.433	1
45116_5116	45116	5116	27.413	65.072	-0.08	0.768	2.616	-501.435	1
45116_5117	45116	5117	-27.413	-58.501	0.08	-0.768	-1.722	1194.183	1
45117_5117	45117	5117	27.413	58.501	-0.104	-0.297	1.722	-1194.18	1
45117_5118	45117	5118	-27.413	-51.931	0.104	0.297	-0.553	1813.257	1
45118_5118	45118	5118	27.413	38.594	-0.036	1.149	0.553	-1813.26	1
45118_5119	45118	5119	-27.413	-32.024	0.036	-1.149	-0.144	2209.129	1
45119_5119	45119	5119	27.413	32.024	-0.061	-0.821	0.144	-2209.13	1
45119_5120	45119	5120	-27.413	-25.455	0.061	0.821	0.539	2531.335	1
45120_5120	45120	5120	27.413	11.481	-0.028	3.424	-0.539	-2531.33	1
45120_5121	45120	5121	-27.413	-4.419	0.028	-3.424	0.876	2627.14	1
45121_5121	45121	5121	27.412	4.419	-0.096	-3.089	-0.876	-2627.14	1
45121_5122	45121	5122	-27.412	2.637	0.096	3.089	2.03	2637.867	1
45122_5122	45122	5122	27.412	-16.477	-0.05	1.147	-2.03	-2637.87	1
45122_5123	45122	5123	-27.412	23.047	0.05	-1.147	2.593	2416.321	1
45123_5123	45123	5123	27.412	-23.047	-0.075	-1.008	-2.593	-2416.32	1
45123_5124	45123	5124	-27.412	29.616	0.075	1.008	3.43	2121.128	1
45124_5124	45124	5124	27.413	-42.862	-0.05	1.442	-3.43	-2121.11	1
45124_5125	45124	5125	-27.413	49.431	0.05	-1.442	3.991	1603.778	1
45125_5125	45125	5125	27.413	-49.431	-0.099	-1.419	-3.991	-1603.78	1
45125_5126	45125	5126	-27.413	56.001	0.099	1.419	5.1	1012.813	1
45126_5126	45126	5126	27.416	-68.483	0.105	-0.096	-5.1	-1012.8	1
45126_5127	45126	5127	-27.416	76.494	-0.105	0.096	3.659	21.859	1
45127_5127	45127	5127	28.062	-76.259	0.071	-0.111	-3.66	-14.705	1
45127_5128	45127	5128	-28.103	81.094	-0.071	0.111	3.074	-634.409	1
45128_5128	45128	5128	29.772	-95.534	0.164	-1.999	-3.123	634.389	1
45128_5129	45128	5129	-29.942	102.42	-0.164	1.999	1.199	-1797.73	1.07
45129_5129	45129	5129	32.546	-101.622	0.106	1.814	-1.06	1788.922	1.07
45129_5130	45129	5130	-32.948	109.652	-0.106	-1.814	-0.352	-3190.38	1.04
45130_5130	45130	5130	36.74	-123.011	-0.784	-1.984	0.113	3190.365	1.04
45130_5131	45130	5131	-37.31	130.586	0.784	1.984	9.72	-4779.84	1.03
45131_5131	45131	5131	40.714	-129.565	-0.806	2.076	-9.382	4779.84	1.03
45131_5132	45131	5132	-41.484	137.14	0.806	-2.076	19.513	-6455.34	1.03
45132_5132	45132	5132	-508.931	66.068	4.486	2.019	-44.353	1737.757	1.03
45132_5133	45132	5133	508.931	-60.311	-4.486	-2.019	1.734	-1137.45	1
45133_5133	45133	5133	-508.924	60.311	5.143	2.378	-1.734	1027.715	1
45133_5134	45133	5134	508.924	-55.615	-5.143	-2.378	-38.124	-578.501	1
45134_5134	45134	5134	-508.948	55.615	-1.416	-5.078	38.124	578.483	1
45134_5135	45134	5135	508.948	-50.912	1.416	5.078	-27.134	-165.132	1
45135_5135	45135	5135	-508.939	36.373	-0.769	-0.292	27.134	165.219	1
45135_5136	45135	5136	508.939	-31.525	0.769	0.292	-20.985	106.392	1
45136_5136	45136	5136	-508.94	31.525	-0.132	-0.425	20.985	-106.391	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
45136_5137	45136	5137	508.94	-26.677	0.132	0.425	-19.926	339.211	1
45137_5137	45137	5137	-508.939	26.677	-0.776	0.004	19.926	-339.211	1
45137_5138	45137	5138	508.939	-21.835	0.776	-0.004	-13.727	533.026	1
45138_5138	45138	5138	-508.94	6.006	-0.621	0.313	13.727	-533.06	1
45138_5139	45138	5139	508.94	-2.37	0.621	-0.313	-10.003	558.191	1
45139_5139	45139	5139	-508.941	2.37	0.227	-0.617	10.003	-558.191	1
45139_5140	45139	5140	508.941	1.266	-0.227	0.617	-11.368	561.502	1
45140_5140	45140	5140	-508.94	-1.266	-0.621	0.319	11.368	-561.502	1
45140_5141	45140	5141	508.94	4.902	0.621	-0.319	-7.644	542.995	1
45141_5141	45141	5141	-508.941	-4.902	0.227	-0.586	7.644	-542.995	1
45141_5142	45141	5142	508.941	8.539	-0.227	0.586	-9.009	502.67	1
45142_5142	45142	5142	-508.938	-23.921	-0.464	-0.132	9.009	-502.706	1
45142_5143	45142	5143	508.938	28.769	0.464	0.132	-5.293	291.932	1
45143_5143	45143	5143	-508.938	-28.769	-0.464	-0.132	5.293	-291.932	1
45143_5144	45143	5144	508.938	33.617	0.464	0.132	-1.578	42.37	1
45144_5144	45144	5144	-508.938	-33.617	-0.464	-0.132	1.578	-42.37	1
45144_5145	45144	5145	508.938	38.466	0.464	0.132	2.138	-245.981	1
45145_5145	45145	5145	-508.951	-53.003	-0.075	0.47	-2.138	245.952	1
45145_5146	45145	5146	508.951	57.7	0.075	-0.47	2.721	-674.948	1
45146_5146	45146	5146	-508.951	-57.7	-0.075	0.47	-2.721	674.948	1
45146_5147	45146	5147	508.951	62.396	0.075	-0.47	3.303	-1140.35	1
45147_5147	45147	5147	-508.95	-62.396	-0.715	-1.098	-3.303	1236.307	1
45147_5148	45147	5148	508.95	68.154	0.715	1.098	10.092	-1856.46	1
45148_5148	45148	5148	42.203	135.741	-0.002	-2.148	-0.711	6648.12	1
45148_5149	45148	5149	-41.436	-128.166	0.002	2.148	0.742	-4990.16	1
45149_5149	45149	5149	38.075	129.204	-0.025	1.853	-1.096	4990.158	1
45149_5150	45149	5150	-37.507	-121.629	0.025	-1.853	1.411	-3417.97	1
45150_5150	45150	5150	33.685	107.012	-0.042	-0.367	-1.252	3417.98	1
45150_5151	45150	5151	-33.285	-98.982	0.042	0.367	1.806	-2051.48	1
45151_5151	45151	5151	30.756	99.797	-0.049	0.222	-1.828	2060.656	1
45151_5152	45151	5152	-30.575	-92.37	0.049	-0.222	2.405	-931.27	1
45152_5152	45152	5152	28.956	76.702	-0.006	0.027	-2.399	931.267	1
45152_5153	45152	5153	-28.913	-71.488	0.006	-0.027	2.445	-319.925	1
45153_5153	45153	5153	28.311	71.728	-0.005	0.046	-2.444	323.198	1
45153_5154	45153	5154	-28.311	-63.044	0.005	-0.046	2.517	602.746	1
45154_5154	45154	5154	28.31	48.73	0.013	0.126	-2.517	-602.745	1
45154_5155	45154	5155	-28.31	-41.777	-0.013	-0.126	2.376	1100.562	1
45155_5155	45155	5155	28.31	41.777	0.013	0.126	-2.376	-1100.56	1
45155_5156	45155	5156	-28.31	-34.825	-0.013	-0.126	2.235	1521.898	1
45156_5156	45156	5156	28.311	20.61	-0.01	0.176	-2.235	-1521.9	1
45156_5157	45156	5157	-28.311	-14.283	0.01	-0.176	2.337	1696.548	1
45157_5157	45157	5157	28.311	14.283	-0.01	0.195	-2.337	-1696.55	1
45157_5158	45157	5158	-28.311	-7.963	0.01	-0.195	2.435	1807.783	1
45158_5158	45158	5158	28.311	-5.376	-0.023	-0.723	-2.435	-1807.77	1
45158_5159	45158	5159	-28.311	11.702	0.023	0.723	2.664	1722.292	1
45159_5159	45159	5159	28.311	-11.702	0.005	0.997	-2.664	-1722.29	1
45159_5160	45159	5160	-28.311	18.029	-0.005	-0.997	2.61	1573.478	1
45160_5160	45160	5160	28.31	-32.288	0.054	0.157	-2.61	-1573.49	1
45160_5161	45160	5161	-28.31	39.241	-0.054	-0.157	2.017	1180.053	1
45161_5161	45161	5161	28.31	-39.241	0.054	0.157	-2.017	-1180.05	1
45161_5162	45161	5162	-28.31	46.193	-0.054	-0.157	1.424	710.14	1
45162_5162	45162	5162	28.31	-60.384	-0.137	0.055	-1.424	-710.138	1
45162_5163	45162	5163	-28.31	69.068	0.137	-0.055	3.309	-179.256	1
45163_5163	45163	5163	28.882	-68.831	-0.158	0.205	-3.308	177.591	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
45163_5164	45163	5164	-28.925	74.045	0.158	-0.205	4.612	-767.011	1
45164_5164	45164	5164	30.477	-89.763	0.161	0.987	-4.591	767.012	1
45164_5165	45164	5165	-30.656	97.189	-0.161	-0.987	2.698	-1865.73	1
45165_5165	45165	5165	33.09	-96.388	0.192	-0.959	-2.772	1858.226	1
45165_5166	45165	5166	-33.519	105.08	-0.192	0.959	0.22	-3194.66	1
45166_5166	45166	5166	37.346	-120.592	0.011	-1.91	-0.315	3194.66	1
45166_5167	45166	5167	-37.955	128.793	-0.011	1.91	0.18	-4757.7	1
45167_5167	45167	5167	41.301	-127.759	-0.012	1.882	0.151	4757.7	1
45167_5168	45167	5168	-42.125	135.96	0.012	-1.882	-0.001	-6414.33	1
45168_5168	45168	5168	-513.233	73.133	-0.28	-0.682	1.207	1751.515	1
45168_5169	45168	5169	513.233	-66.901	0.28	0.682	1.454	-1086.31	1
45169_5169	45169	5169	-513.233	66.901	0.358	0.589	-1.454	972.928	1
45169_5170	45169	5170	513.233	-61.823	-0.358	-0.589	-1.316	-474.739	1
45170_5170	45170	5170	-513.233	61.823	-0.297	-0.017	1.316	474.739	1
45170_5171	45170	5171	513.233	-56.739	0.297	0.017	0.989	-15.28	1
45171_5171	45171	5171	-513.244	41.1	0.5	-0.315	-0.989	15.239	1
45171_5172	45171	5172	513.244	-35.852	-0.5	0.315	-3.012	292.587	1
45172_5172	45172	5172	-513.244	35.852	-0.141	0.051	3.012	-292.587	1
45172_5173	45172	5173	513.244	-30.604	0.141	-0.051	-1.881	558.428	1
45173_5173	45173	5173	-513.244	30.604	-0.141	0.051	1.881	-558.428	1
45173_5174	45173	5174	513.244	-25.356	0.141	-0.051	-0.749	782.28	1
45174_5174	45174	5174	-513.244	8.899	0.565	-0.762	0.749	-782.314	1
45174_5175	45174	5175	513.244	-4.963	-0.565	0.762	-4.142	823.904	1
45175_5175	45175	5175	-513.244	4.963	-0.29	0.611	4.142	-823.904	1
45175_5176	45175	5176	513.244	-1.027	0.29	-0.611	-2.401	841.877	1
45176_5176	45176	5176	-513.244	1.027	0.565	-0.792	2.401	-841.876	1
45176_5177	45176	5177	513.244	2.909	-0.565	0.792	-5.793	836.23	1
45177_5177	45177	5177	-513.244	-2.909	-0.29	0.601	5.793	-836.23	1
45177_5178	45177	5178	513.244	6.845	0.29	-0.601	-4.053	806.964	1
45178_5178	45178	5178	-513.245	-23.339	0.026	0.052	4.053	-807.002	1
45178_5179	45178	5179	513.245	28.588	-0.026	-0.052	-4.263	599.281	1
45179_5179	45179	5179	-513.245	-28.588	0.026	0.052	4.263	-599.281	1
45179_5180	45179	5180	513.245	33.836	-0.026	-0.052	-4.472	349.571	1
45180_5180	45180	5180	-513.244	-33.836	0.668	-0.385	4.472	-349.571	1
45180_5181	45180	5181	513.244	39.084	-0.668	0.385	-9.813	57.875	1
45181_5181	45181	5181	-513.242	-54.543	-0.417	-0.047	9.813	-57.873	1
45181_5182	45181	5182	513.242	59.627	0.417	0.047	-6.578	-384.566	1
45182_5182	45182	5182	-513.242	-59.627	0.245	0.449	6.578	384.566	1
45182_5183	45182	5183	513.242	64.712	-0.245	-0.449	-8.475	-866.404	1
45183_5183	45183	5183	-513.242	-64.712	-0.4	-0.71	8.475	957.468	1
45183_5184	45183	5184	513.242	70.944	0.4	0.71	-4.675	-1601.87	1.02
45184_5184	45184	5184	46.343	140.582	-0.068	1.763	7.45	6292.084	1.02
45184_5185	45184	5185	-45.525	-132.382	0.068	-1.763	-6.59	-4577.49	1.03
45185_5185	45185	5185	42.069	133.52	-0.043	-2.061	6.902	4577.489	1.03
45185_5186	45185	5186	-41.465	-125.319	0.043	2.061	-6.366	-2955.26	1.04
45186_5186	45186	5186	37.549	109.444	-0.157	0.25	6.193	2955.287	1.04
45186_5187	45186	5187	-37.124	-100.751	0.157	-0.25	-4.108	-1561.01	1.08
45187_5187	45187	5187	34.593	101.648	-0.141	-0.592	4.13	1569.624	1.08
45187_5188	45187	5188	-34.403	-93.681	0.141	0.592	-2.471	-421.667	1.08
45188_5188	45188	5188	32.796	77.027	-0.087	-0.143	2.458	421.698	1.08
45188_5189	45188	5189	-32.751	-71.44	0.087	0.143	-1.739	190.046	1
45189_5189	45189	5189	32.163	71.707	-0.088	-0.144	1.738	-184.505	1
45189_5190	45189	5190	-32.163	-62.384	0.088	0.144	-0.532	1106.429	1
45190_5190	45190	5190	32.163	46.838	-0.01	-0.114	0.532	-1106.43	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
45190_5191	45190	5191	-32.163	-39.38	0.01	0.114	-0.419	1580.653	1
45191_5191	45191	5191	32.163	39.38	-0.01	-0.114	0.419	-1580.65	1
45191_5192	45191	5192	-32.163	-31.921	0.01	0.114	-0.306	1972.83	1
45192_5192	45192	5192	32.167	16.418	-0.41	0.022	0.306	-1972.83	1
45192_5193	45192	5193	-32.167	-9.624	0.41	-0.022	3.798	2103.307	1
45193_5193	45193	5193	32.167	9.624	-0.41	-0.001	-3.798	-2103.31	1
45193_5194	45193	5194	-32.167	-2.823	0.41	0.001	7.909	2165.732	1
45194_5194	45194	5194	32.162	-11.853	-0.048	0.004	-7.909	-2165.74	1
45194_5195	45194	5195	-32.162	18.654	0.048	-0.004	8.392	2012.737	1
45195_5195	45195	5195	32.162	-18.654	-0.048	0.004	-8.392	-2012.74	1
45195_5196	45195	5196	-32.162	25.455	0.048	-0.004	8.875	1791.518	1
45196_5196	45196	5196	32.163	-41.034	-0.067	0.001	-8.875	-1791.52	1
45196_5197	45196	5197	-32.163	48.492	0.067	-0.001	9.609	1299.097	1
45197_5197	45197	5197	32.163	-48.492	-0.067	0.001	-9.609	-1299.1	1
45197_5198	45197	5198	-32.163	55.95	0.067	-0.001	10.344	724.63	1
45198_5198	45198	5198	32.165	-71.545	-0.21	-0.015	-10.344	-724.632	1
45198_5199	45198	5199	-32.165	80.862	0.21	0.015	13.225	-322.466	1.03
45199_5199	45199	5199	32.819	-80.598	-0.21	0.048	-13.225	315.321	1.03
45199_5200	45199	5200	-32.865	86.192	0.21	-0.048	14.958	-1003.4	1.03
45200_5200	45200	5200	34.605	-103.501	-0.052	0.092	-14.96	1003.362	1.03
45200_5201	45200	5201	-34.793	111.468	0.052	-0.092	15.566	-2266.73	1.03
45201_5201	45201	5201	37.548	-110.57	-0.043	-0.118	-15.587	2256.364	1.03
45201_5202	45201	5202	-38.001	119.925	0.043	0.118	16.162	-3785.28	1.02
45202_5202	45202	5202	42.202	-136.783	-0.256	2.126	-16.025	3785.248	1.02
45202_5203	45202	5203	-42.844	145.608	0.256	-2.126	19.228	-5554.95	1.01
45203_5203	45203	5203	46.548	-144.467	-0.23	-1.805	-19.603	5554.952	1.01
45203_5204	45203	5204	-47.418	153.292	0.23	1.805	22.49	-7425.07	1.01
45204_5204	45204	5204	-576.453	78.441	0.227	0.622	-22.635	2079.778	1.01
45204_5205	45204	5205	576.453	-71.734	-0.227	-0.622	20.476	-1366.4	1
45205_5205	45205	5205	-576.453	71.734	-0.399	-0.746	-20.476	1198.272	1
45205_5206	45205	5206	576.453	-66.262	0.399	0.746	23.569	-663.5	1
45206_5206	45206	5206	-576.453	66.262	0.345	0.11	-23.569	663.501	1
45206_5207	45206	5207	576.453	-60.79	-0.345	-0.11	20.897	-171.146	1
45207_5207	45207	5207	-576.453	44.34	-0.279	0.193	-20.897	171.146	1
45207_5208	45207	5208	576.453	-38.692	0.279	-0.193	23.126	161.003	1
45208_5208	45208	5208	-576.453	38.692	-0.279	0.193	-23.126	-161.003	1
45208_5209	45208	5209	576.453	-33.043	0.279	-0.193	25.355	447.962	1
45209_5209	45209	5209	-576.453	33.043	-0.279	0.193	-25.355	-447.962	1
45209_5210	45209	5210	576.453	-27.395	0.279	-0.193	27.584	689.732	1
45210_5210	45210	5210	-576.461	10.021	0.952	-0.291	-27.584	-689.729	1
45210_5211	45210	5211	576.461	-5.784	-0.952	0.291	21.871	737.147	1
45211_5211	45211	5211	-576.462	5.784	-0.008	0.938	-21.871	-737.147	1
45211_5212	45211	5212	576.462	-1.548	0.008	-0.938	21.921	759.146	1
45212_5212	45212	5212	-576.461	1.548	0.952	-0.328	-21.921	-759.147	1
45212_5213	45212	5213	576.461	2.688	-0.952	0.328	16.207	755.727	1
45213_5213	45213	5213	-576.462	-2.688	-0.008	0.932	-16.207	-755.726	1
45213_5214	45213	5214	576.462	6.924	0.008	-0.932	16.258	726.887	1
45214_5214	45214	5214	-576.474	-24.208	0.92	0.59	-16.258	-726.856	1
45214_5215	45214	5215	576.474	29.857	-0.92	-0.59	8.898	510.581	1
45215_5215	45215	5215	-576.472	-29.857	1.64	-0.048	-8.898	-510.582	1
45215_5216	45215	5216	576.472	35.505	-1.64	0.048	-4.226	249.121	1
45216_5216	45216	5216	-576.474	-35.505	0.92	0.263	4.226	-249.121	1
45216_5217	45216	5217	576.474	41.153	-0.92	-0.263	-11.585	-57.532	1
45217_5217	45217	5217	-576.437	-57.22	-0.832	-3.34	11.585	57.502	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
45217_5218	45217	5218	576.437	62.685	0.832	3.34	-5.142	-521.564	1
45218_5218	45218	5218	-576.438	-62.685	-0.08	-2.659	5.142	521.568	1
45218_5219	45218	5219	576.438	68.156	0.08	2.659	-4.521	-1028.6	1
45219_5219	45219	5219	-576.427	-68.156	3.443	4.447	4.521	1165.86	1
45219_5220	45219	5220	576.427	74.863	-3.443	-4.447	-37.228	-1845.21	1
45220_5220	45220	5220	36.564	154.628	0.548	-7.087	6.29	7110.617	1
45220_5221	45220	5221	-35.703	-145.803	-0.548	7.087	-13.176	-5223.97	1
45221_5221	45221	5221	31.989	146.663	0.48	9.253	11.791	5223.968	1
45221_5222	45221	5222	-31.353	-137.838	-0.48	-9.253	-17.805	-3441.17	1.01
45222_5222	45222	5222	27.148	120.198	1.411	-1.639	18.523	3441.257	1.01
45222_5223	45222	5223	-26.7	-110.843	-1.411	1.639	-37.238	-1908.74	1.01
45223_5223	45223	5223	23.968	111.467	1.323	4.825	37.015	1915.712	1.01
45223_5224	45223	5224	-23.766	-102.724	-1.323	-4.825	-52.569	-656.839	1.04
45224_5224	45224	5224	22.016	83.244	-1.078	1.799	52.654	656.87	1.04
45224_5225	45224	5225	-21.967	-77.105	1.078	-1.799	-43.756	4.7	1
45225_5225	45225	5225	21.347	77.278	-1.16	1.439	43.769	-4.556	1
45225_5226	45225	5226	-21.347	-65.788	1.16	-1.439	-25.85	1109.29	1
45226_5226	45226	5226	21.342	46.751	0.22	4.312	25.85	-1109.28	1
45226_5227	45226	5227	-21.342	-37.931	-0.22	-4.312	-28.453	1611.193	1
45227_5227	45227	5227	21.343	37.931	0.13	-2.481	28.453	-1611.2	1
45227_5228	45227	5228	-21.343	-29.111	-0.13	2.481	-29.99	2008.603	1
45228_5228	45228	5228	21.353	9.569	-0.745	4.863	29.99	-2008.44	1
45228_5229	45228	5229	-21.353	-0.748	0.745	-4.863	-21.151	2069.602	1
45229_5229	45229	5229	21.35	0.748	-0.835	-3.859	21.151	-2069.6	1
45229_5230	45229	5230	-21.35	8.075	0.835	3.859	-11.244	2026.163	1
45230_5230	45230	5230	21.309	-27.819	0.677	2.054	11.244	-2025.85	1
45230_5231	45230	5231	-21.309	36.888	-0.677	-2.054	-19.5	1631.46	1
45231_5231	45231	5231	21.311	-36.888	0.607	-3.295	19.5	-1631.46	1
45231_5232	45231	5232	-21.311	45.959	-0.607	3.295	-26.906	1126.442	1
45232_5232	45232	5232	21.239	-66.313	3.785	-0.394	26.906	-1126.19	1
45232_5233	45232	5233	-21.239	73.151	-3.785	0.394	-61.69	485.31	1.04
45233_5233	45233	5233	21.726	-73.01	3.753	-1.52	61.681	-485.313	1.04
45233_5234	45233	5234	-21.759	78.135	-3.753	1.52	-87.536	-35.27	1.04
45234_5234	45234	5234	22.631	-77.889	3.704	-2.406	87.515	35.272	1.04
45234_5235	45234	5235	-22.733	83.648	-3.704	2.406	-116.189	-660.545	1.04
45235_5235	45235	5235	24.277	-99.661	-4.09	-4.113	116.144	660.565	1.04
45235_5236	45235	5236	-24.388	103.654	4.09	4.113	-94.182	-1206.4	1.04
45236_5236	45236	5236	25.936	-103.275	-4.164	-3.146	94.212	1197.334	1.04
45236_5237	45236	5237	-26.223	109.961	4.164	3.146	-58.979	-2099.41	1.01
45237_5237	45237	5237	27.696	-109.598	-4.208	0.37	59.175	2099.408	1.01
45237_5238	45237	5238	-27.99	114.811	4.208	-0.37	-31.393	-2840.12	1.01
45238_5238	45238	5238	31.311	-136.282	-4.431	-8.005	30.829	2839.31	1.01
45238_5239	45238	5239	-31.869	144.064	4.431	8.005	12.88	-4221.92	1.01
45239_5239	45239	5239	38.687	-142.383	-4.482	2.419	-12.072	4221.93	1.01
45239_5240	45239	5240	-39.69	150.753	4.482	-2.419	59.832	-5783.9	1
45240_5240	45240	5240	-572.24	88.08	-5.014	-1.092	67.375	1502.416	1
45240_5241	45240	5241	572.24	-78.362	5.014	1.092	-5.764	-479.902	1
45241_5241	45241	5241	-572.256	78.362	-2.658	1.083	5.764	437.179	1
45241_5242	45241	5242	572.256	-73.731	2.658	-1.083	9.797	8.024	1
45242_5242	45242	5242	-572.257	73.731	-2.218	1.076	-9.797	-8.024	1
45242_5243	45242	5243	572.257	-68.703	2.218	-1.076	23.896	460.676	1
45243_5243	45243	5243	-572.096	50.992	-3.77	2.097	-23.896	-460.56	1
45243_5244	45243	5244	572.096	-43.22	3.77	-2.097	60.938	923.443	1
45244_5244	45244	5244	-572.106	43.22	-1.85	-1.003	-60.938	-923.445	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
45244_5245	45244	5245	572.106	-35.477	1.85	1.003	79.045	1308.616	1
45245_5245	45245	5245	-572.023	21.892	-2.255	3.529	-79.045	-1308.23	1
45245_5246	45245	5246	572.023	-13.87	2.255	-3.529	101.915	1489.577	1
45246_5246	45246	5246	-572.027	13.87	-0.317	-1.518	-101.915	-1489.58	1
45246_5247	45246	5247	572.027	-6.37	0.317	1.518	104.921	1585.54	1
45247_5247	45247	5247	-572.026	-9.347	1.237	3.375	-104.921	-1585.14	1
45247_5248	45247	5248	572.026	16.699	-1.237	-3.375	93.429	1464.106	1
45248_5248	45248	5248	-572.02	-16.699	3.009	-1.162	-93.429	-1464.11	1
45248_5249	45248	5249	572.02	24.87	-3.009	1.162	62.343	1249.404	1
45249_5249	45249	5249	-572.113	-38.04	7.414	0.794	-62.343	-1249.19	1
45249_5250	45249	5250	572.113	46.038	-7.414	-0.794	-12.629	824.1	1
45250_5250	45250	5250	-572.092	-46.038	8.901	-1.347	12.629	-824.1	1
45250_5251	45250	5251	572.092	53.562	-8.901	1.347	-97.289	350.416	1
45251_5251	45251	5251	-571.373	-74.802	-11.778	-12.295	97.289	-350.744	1
45251_5252	45251	5252	571.373	79.586	11.778	12.295	-26.056	-116.116	1
45252_5252	45252	5252	-571.39	-79.586	-10.891	-12.115	26.056	116.135	1
45252_5253	45252	5253	571.39	84.538	10.891	12.115	42.118	-629.825	1
45253_5253	45253	5253	-571.417	-84.538	-9.411	-10.573	-42.118	635.3	1
45253_5254	45253	5254	571.417	92.05	9.411	10.573	131.497	-1473.88	1
45254_5254	45254	5254	37.664	164.396	-24.521	96.369	-136.538	6039.643	1
45254_5255	45254	5255	-37.442	-162.272	24.521	-96.369	202.729	-5598.75	1.01
45255_5255	45255	5255	32.435	144.745	11.796	-5.552	-191.838	5596.373	1.01
45255_5256	45255	5256	-31.551	-134.835	-11.796	5.552	43.471	-3838.18	1.02
45256_5256	45256	5256	28.764	135.464	11.72	10.33	-44.597	3838.161	1.02
45256_5257	45256	5257	-28.274	-128.263	-11.72	-10.33	-62.339	-2635.04	1.02
45257_5257	45257	5257	25.39	104.353	-1.25	-3.223	63.161	2634.726	1.02
45257_5258	45257	5258	-25.114	-99.212	1.25	3.223	-55.027	-1972.3	1.03
45258_5258	45258	5258	23.886	99.514	-1.297	0.784	54.789	1972.305	1.03
45258_5259	45258	5259	-23.642	-93.632	1.297	-0.784	-45.137	-1253.53	1.05
45259_5259	45259	5259	22.131	94	-1.356	4.375	45.034	1261.978	1.05
45259_5260	45259	5260	-21.977	-87.924	1.356	-4.375	-34.619	-563.112	1.05
45260_5260	45260	5260	20.776	69.766	0.856	2.539	34.684	563.091	1.05
45260_5261	45260	5261	-20.701	-64.814	-0.856	-2.539	-39.742	-165.41	1.05
45261_5261	45261	5261	20.114	65	0.785	2.774	39.76	165.402	1.05
45261_5262	45261	5262	-20.081	-59.632	-0.785	-2.774	-44.788	233.755	1
45262_5262	45262	5262	19.715	59.754	0.762	2.291	44.804	-235.302	1
45262_5263	45262	5263	-19.715	-49.541	-0.762	-2.291	-54.094	901.334	1
45263_5263	45263	5263	19.72	27.961	-0.298	4.071	54.094	-901.278	1
45263_5264	45263	5264	-19.72	-18.392	0.298	-4.071	-50.688	1165.919	1
45264_5264	45264	5264	19.719	18.392	-0.355	0.722	50.688	-1165.93	1
45264_5265	45264	5265	-19.719	-8.642	0.355	-0.722	-46.559	1323.19	1
45265_5265	45265	5265	19.715	-11.757	-0.349	3.729	46.559	-1323.17	1
45265_5266	45265	5266	-19.715	21.528	0.349	-3.729	-42.488	1129.127	1
45266_5266	45266	5266	19.714	-21.528	-0.427	-0.742	42.488	-1129.13	1
45266_5267	45266	5267	-19.714	31.075	0.427	0.742	-37.622	829.475	1
45267_5267	45267	5267	19.723	-51.332	0.784	-0.346	37.622	-829.465	1
45267_5268	45267	5268	-19.723	61.002	-0.784	0.346	-46.666	181.372	1
45268_5268	45268	5268	19.727	-61.002	0.69	-1.213	46.666	-181.369	1
45268_5269	45268	5269	-19.727	70.644	-0.69	1.213	-54.599	-575.99	1
45269_5269	45269	5269	19.692	-91.032	-1.467	-8.078	54.599	576.106	1
45269_5270	45269	5270	-19.692	98.458	1.467	8.078	-41.598	-1415.69	1
45270_5270	45270	5270	19.688	-98.458	-1.524	-3.983	41.598	1415.707	1
45270_5271	45270	5271	-19.688	105.853	1.524	3.983	-28.147	-2317.21	1.07
45271_5271	45271	5271	20.355	-105.727	-1.569	1.006	28.154	2316.267	1.07

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
45271_5272	45271	5272	-20.389	111.091	1.569	-1.006	-18.113	-3010.19	1.07
45272_5272	45272	5272	21.958	-133.52	1.039	-16.302	17.833	3010.286	1.07
45272_5273	45272	5273	-22.058	139.412	-1.039	16.302	-25.135	-3969.83	1.04
45273_5273	45273	5273	23.546	-139.168	0.999	-8.654	25.178	3969.853	1.04
45273_5274	45273	5274	-23.697	144.655	-0.999	8.654	-31.722	-4899.28	1.04
45274_5274	45274	5274	26.105	-144.24	0.95	3.329	32.127	4894.552	1.04
45274_5275	45274	5275	-26.518	153.58	-0.95	-3.329	-42.723	-6555.79	1.03
45275_5275	45275	5275	30.59	-179.815	-19.334	-23.096	41.157	6556.945	1.03
45275_5276	45275	5276	-31.112	188.055	19.334	23.096	149.334	-8369.19	1.03
45276_5276	45276	5276	34.477	-187.459	-19.412	13.792	-146.941	8369.254	1.03
45276_5277	45276	5277	-35.129	195.442	19.412	-13.792	332.466	-10199	1.03
45277_5277	45277	5277	41.412	-216.175	18.846	-41.142	-338.196	10200.77	1.03
45277_5278	45277	5278	-42.069	222.808	-18.846	41.142	192.299	-11900	1.02
45278_5278	45278	5278	-863.078	122.24	10.829	11.098	-111.321	3542.385	1.02
45278_5279	45278	5279	863.078	-114.068	-10.829	-11.098	8.543	-2421.02	1
45279_5279	45279	5279	-863.042	114.068	13.407	16.84	-8.543	2325.168	1
45279_5280	45279	5280	863.042	-108.443	-13.407	-16.84	-79.049	-1598.31	1
45280_5280	45280	5280	-863.51	81.206	-15.479	-0.565	79.049	1598.534	1
45280_5281	45280	5281	863.51	-71.164	15.479	0.565	101.484	-710.008	1
45281_5281	45281	5281	-863.547	71.164	-13.222	1.292	-101.484	710.007	1
45281_5282	45281	5282	863.547	-60.48	13.222	-1.292	265.558	106.803	1
45282_5282	45282	5282	-863.321	38.553	7.778	-0.131	-265.558	340.785	1
45282_5283	45282	5283	863.321	-31.293	-7.778	0.131	169.195	91.862	1
45283_5283	45283	5283	-863.293	31.293	10.462	-0.416	-169.195	-91.861	1
45283_5284	45283	5284	863.293	-24.446	-10.462	0.416	46.961	417.485	1
45284_5284	45284	5284	-863.529	-9.062	-4.484	1.385	-46.961	-417.543	1
45284_5285	45284	5285	863.529	15.67	4.484	-1.385	97.516	278.11	1
45285_5285	45285	5285	-863.537	-15.67	-2.422	0.721	-97.516	-278.113	1
45285_5286	45285	5286	863.537	21.57	2.422	-0.721	121.9	90.629	1
45286_5286	45286	5286	-863.612	-49.406	8.364	-0.237	-121.9	-90.603	1
45286_5287	45286	5287	863.612	56.093	-8.364	0.237	26.471	-511.277	1
45287_5287	45287	5287	-863.578	-56.093	11.34	1.525	-26.471	511.275	1
45287_5288	45287	5288	863.578	62.813	-11.34	-1.525	-103.584	-1193.13	1
45288_5288	45288	5288	-863.932	-75.38	-7.944	-11.371	103.584	1193.429	1
45288_5289	45288	5289	863.932	77.723	7.944	11.371	-71.82	-1499.55	1
45289_5289	45289	5289	-863.942	-77.723	-6.718	-9.55	71.82	1538.999	1
45289_5290	45289	5290	863.942	83.29	6.718	9.55	-8.002	-2303.81	1.02
45290_5290	45290	5290	44.28	270.712	-7.597	7.344	-44.693	9670.529	1.02
45290_5291	45290	5291	-43.691	-264.628	7.597	-7.344	123.937	-6878.47	1.02
45291_5291	45291	5291	34.925	233.188	4.787	-10.315	-122.229	6879.141	1.02
45291_5292	45291	5292	-34.472	-226.848	-4.787	10.315	70.315	-4384.43	1.03
45292_5292	45292	5292	29.121	227.599	4.718	7.888	-71.329	4384.418	1.03
45292_5293	45292	5293	-28.849	-221.907	-4.718	-7.888	25.456	-2199.05	1.05
45293_5293	45293	5293	23.733	190.675	-0.61	-1.21	-25.026	2199.282	1.05
45293_5294	45293	5294	-23.608	-186.402	0.61	1.21	29.478	-823.812	1.14
45294_5294	45294	5294	20.265	186.795	-0.655	1.468	-29.519	827.295	1.14
45294_5295	45294	5295	-20.215	-182.322	0.655	-1.468	34.519	581.689	1
45295_5295	45295	5295	18.221	182.531	-0.699	0.419	-34.5	-581.692	1
45295_5296	45295	5296	-18.22	-177.726	0.699	-0.419	40.235	2058.94	1
45296_5296	45296	5296	18.178	150.281	1.113	7.819	-40.235	-2059.09	1
45296_5297	45296	5297	-18.178	-147.784	-1.113	-7.819	35.617	2677.396	1
45297_5297	45297	5297	18.179	147.784	1.092	4.976	-35.617	-2682.26	1
45297_5298	45297	5298	-18.179	-142.208	-1.092	-4.976	25.503	4025.349	1
45298_5298	45298	5298	18.181	142.208	1.049	-4.602	-25.503	-4025.35	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
45298_5299	45298	5299	-18.181	-136.69	-1.049	4.602	15.892	5303.448	1
45299_5299	45299	5299	18.176	107.425	0.202	15.837	-15.892	-5303.88	1
45299_5300	45299	5300	-18.176	-100.403	-0.202	-15.837	13.531	6516.115	1
45300_5300	45300	5300	18.176	100.403	0.132	-9.431	-13.531	-6516.13	1
45300_5301	45300	5301	-18.176	-92.941	-0.132	9.431	11.895	7714.379	1
45301_5301	45301	5301	18.181	62.866	0.387	18.952	-11.895	-7715.01	1
45301_5302	45301	5302	-18.181	-55.336	-0.387	-18.952	7.055	8454.271	1
45302_5302	45302	5302	18.182	55.336	0.317	-13.541	-7.055	-8454.28	1
45302_5303	45302	5303	-18.182	-48.387	-0.317	13.541	3.395	9052.9	1
45303_5303	45303	5303	18.183	18.407	0.238	22.097	-3.395	-9053.56	1
45303_5304	45303	5304	-18.183	-10.574	-0.238	-22.097	0.298	9242.111	1
45304_5304	45304	5304	18.184	10.574	0.159	-18.021	-0.298	-9242.12	1
45304_5305	45304	5305	-18.184	-3.923	-0.159	18.021	-1.459	9322.197	1
45305_5305	45305	5305	18.189	-25.935	0.628	18.097	1.459	-9322.89	1
45305_5306	45305	5306	-18.189	33.193	-0.628	-18.097	-9.025	8966.454	1
45306_5306	45306	5306	18.191	-33.193	0.568	-11.058	9.025	-8966.47	1
45306_5307	45306	5307	-18.191	40.407	-0.568	11.058	-15.836	8525.463	1
45307_5307	45307	5307	18.193	-70.39	0.178	18.303	15.836	-8526.08	1
45307_5308	45307	5308	-18.193	77.543	-0.178	-18.303	-17.955	7647.185	1
45308_5308	45308	5308	18.194	-77.543	0.106	-11.973	17.955	-7647.2	1
45308_5309	45308	5309	-18.194	84.871	-0.106	11.973	-19.249	6658.587	1
45309_5309	45309	5309	18.237	-112.584	3.979	12.025	19.249	-6658.98	1
45309_5310	45309	5310	-18.237	119.837	-3.979	-12.025	-67.186	5258.848	1
45310_5310	45310	5310	18.252	-119.837	3.911	-7.467	67.186	-5258.86	1
45310_5311	45310	5311	-18.252	127.06	-3.911	7.467	-114.112	3777.706	1
45311_5311	45311	5311	18.179	-158.766	-4.83	2.583	114.112	-3777.88	1
45311_5312	45311	5312	-18.179	166.352	4.83	-2.583	-53.245	1729.518	1
45312_5312	45312	5312	18.156	-166.352	-4.916	-5.55	53.245	-1729.51	1
45312_5313	45312	5313	-18.156	172.872	4.916	5.55	0	-107.562	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1	2	3	4	5	6	7	8	9
5000_5000	5000	5000	88.92056	600.5672	0.938438	6.256688	0	-414.173
5000_5001	5000	5001	-82.5983	-551.873	-0.93844	-6.25669	-11.9464	7716.807
5001_5001	5001	5001	82.6035	551.8734	0.926625	-3.42825	11.94638	-7716.81
5001_5002	5001	5002	-77.6908	-514.037	-0.92663	3.42825	-21.1129	12963.41
5002_5002	5002	5002	77.65538	447.1517	-0.80456	14.61994	21.11288	-12963.6
5002_5003	5002	5003	-74.193	-400.671	0.804563	-14.6199	-11.3492	18096.87
5003_5003	5003	5003	74.18775	400.6708	-0.81769	-12.1314	11.34919	-18096.9
5003_5004	5003	5004	-70.7306	-354.239	0.817688	12.13144	-1.43194	22661.27
5004_5004	5004	5004	70.75031	294.9201	0.927938	12.17213	1.431938	-22661.7
5004_5005	5004	5005	-66.8548	-248.459	-0.92794	-12.1721	-12.7011	25942.79
5005_5005	5005	5005	66.85613	248.4589	0.920063	-11.1615	12.70106	-25942.8
5005_5006	5005	5006	-62.958	-201.965	-0.92006	11.1615	-23.8783	28661.66
5006_5006	5006	5006	62.95406	138.0356	-0.22575	24.06863	23.87831	-28662
5006_5007	5006	5007	-59.6597	-91.5836	0.22575	-24.0686	-21.1352	30041.25
5007_5007	5007	5007	59.65838	91.58363	-0.24019	-23.9439	21.13519	-30041.2
5007_5008	5007	5008	-56.3653	-45.1421	0.240188	23.94394	-18.2188	30856.62
5008_5008	5008	5008	56.37056	-16.5611	0.914813	23.82188	18.21881	-30857
5008_5009	5008	5009	-53.5264	63.03544	-0.91481	-23.8219	-29.3331	30361.58
5009_5009	5009	5009	53.52769	-63.0354	0.900375	-24.6278	29.33306	-30361.6
5009_5010	5009	5010	-50.6848	109.5019	-0.90038	24.62775	-40.2701	29302.12
5010_5010	5010	5010	50.68481	-171.435	-0.11681	-0.81769	40.27013	-29302.6
5010_5011	5010	5011	-48.4181	217.8921	0.116813	0.817688	-38.85	26930.29
5011_5011	5011	5011	48.41813	-217.892	-0.11681	-0.81769	38.85	-26930.3
5011_5012	5011	5012	-46.1514	264.348	0.116813	0.817688	-37.4286	23994.06
5012_5012	5012	5012	46.15144	-325.22	0.150938	5.692313	37.42856	-23994.5
5012_5013	5012	5013	-45.1408	371.7013	-0.15094	-5.69231	-39.2543	19758.92
5013_5013	5013	5013	45.14081	-371.701	0.144375	-7.98788	39.25425	-19758.9
5013_5014	5013	5014	-44.1315	418.1402	-0.14438	7.987875	-41.0012	14963.54
5014_5014	5014	5014	44.13938	-478.425	1.040813	1.896563	41.00119	-14963.7
5014_5015	5014	5015	-41.6259	540.2303	-1.04081	-1.89656	-57.8064	6728.37
5015_5015	5015	5015	40.17825	-538.752	0.958125	-3.47288	56.81681	-6665.34
5015_5016	5015	5016	-40.803	568.2626	-0.95813	3.476813	-64.722	2090.504
5016_5016	5016	5016	84.38588	-627.749	-0.45675	-2.29294	73.81894	-2237.73
5016_5017	5016	5017	-88.1777	669.858	0.45675	2.286375	-68.4534	-5700.7
5017_5017	5017	5017	107.6303	-666.834	-0.46594	0.868875	68.67131	5696.729
5017_5018	5017	5018	-113.975	717.885	0.465938	-0.87938	-62.4855	-14851.2
5018_5018	5018	5018	139.3258	-771.93	0.009188	-11.6432	61.52344	14851.75
5018_5019	5018	5019	-147.161	822.4033	-0.00919	11.64975	-61.6416	-24779.2
5019_5019	5019	5019	169.6839	-817.968	0	10.67325	64.10906	24780.34
5019_5020	5019	5020	-178.871	871.7651	0	-10.6667	-64.1064	-35147.8
5020_5020	5020	5020	-3260.93	272.2099	-19.9369	-2.44256	493.0813	7458.766
5020_5021	5020	5021	3256.986	-237.347	19.93688	2.442563	-303.757	-5023.7
5021_5021	5021	5021	-3259.4	237.3643	-19.3883	-1.58156	303.4644	5035.522
5021_5022	5021	5022	3256.054	-211.658	19.38825	1.581563	-153.101	-3281
5022_5022	5022	5022	-3256.07	211.6577	-15.6253	2.380875	153.1005	3280.998
5022_5023	5022	5023	3252.735	-185.989	15.62531	-2.38088	-32.0906	-1727.91
5023_5023	5023	5023	-3252.76	128.8665	-8.11388	0.195563	32.09063	1727.902
5023_5024	5023	5024	3250.031	-102.337	8.113875	-0.19556	32.85581	-791.751
5024_5024	5024	5024	-3250.02	102.3369	-12.6381	-1.09725	-32.8558	791.7499
5024_5025	5024	5025	3247.286	-75.8376	12.63806	1.09725	133.8973	-68.6319
5025_5025	5025	5025	-3247.31	75.83756	-4.02675	-0.56963	-133.897	68.63456
5025_5026	5025	5026	3244.576	-49.3106	4.02675	0.569625	166.1205	443.0042
5026_5026	5026	5026	-3244.58	-11.6511	-3.21431	-0.65494	-166.121	-443.002
5026_5027	5026	5027	3243.17	31.54463	3.214313	0.654938	185.4103	318.9336
5027_5027	5027	5027	-3243.17	-31.5446	-3.78131	-0.61819	-185.41	-318.934
5027_5028	5027	5028	3241.761	51.40538	3.781313	0.618188	208.0654	75.96225
5028_5028	5028	5028	-3241.76	-51.4054	-3.21431	-0.61425	-208.065	-75.9623

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5028_5029	5028	5029	3240.351	71.29894	3.214313	0.61425	227.3552	-286.718
5029_5029	5029	5029	-3240.35	-71.2989	2.239125	0.014438	-227.355	286.7183
5029_5030	5029	5030	3238.943	91.18988	-2.23913	-0.01444	213.9204	-768.71
5030_5030	5030	5030	-3238.96	-151.781	1.479188	-2.22338	-213.92	768.6788
5030_5031	5030	5031	3237.901	178.3005	-1.47919	2.223375	202.0869	-2085.1
5031_5031	5031	5031	-3237.9	-178.301	5.57025	0.468563	-202.087	2085.103
5031_5032	5031	5032	3236.842	204.8169	-5.57025	-0.46856	157.5276	-3613.51
5032_5032	5032	5032	-3236.84	-204.817	5.57025	0.468563	-157.528	3613.505
5032_5033	5032	5033	3235.786	231.3321	-5.57025	-0.46856	112.9669	-5354.04
5033_5033	5033	5033	-3235.72	-289.616	16.10963	-3.57131	-112.967	5354.186
5033_5034	5033	5034	3235.289	315.294	-16.1096	3.571313	-11.8374	-7695.79
5034_5034	5034	5034	-3235.29	-315.294	16.10963	-3.57131	11.83744	7695.794
5034_5035	5034	5035	3234.856	340.9718	-16.1096	3.571313	-136.642	-10236.3
5035_5035	5035	5035	-3234.01	-340.976	19.42106	6.773813	136.5158	10232.29
5035_5036	5035	5036	3233.493	375.7596	-19.4211	-6.77381	-320.522	-13898.3
5036_5036	5036	5036	195.2567	722.1611	1.038188	-40.2609	-0.51713	43956.7
5036_5037	5036	5037	-190.088	-668.221	-1.03819	40.25438	-12.5751	-35027.2
5037_5037	5037	5037	171.7157	672.7901	0.933188	36.309	4.612125	35026.11
5037_5038	5037	5038	-168.978	-622.193	-0.93319	-36.3169	-16.3301	-26741.3
5038_5038	5038	5038	148.3112	574.6729	-0.40688	-7.02975	19.9605	26741.82
5038_5039	5038	5039	-148.005	-523.64	0.406875	7.04025	-14.5517	-19495.8
5039_5039	5039	5039	836.7476	517.8653	-0.60769	6.139875	15.98231	15605.37
5039_5040	5039	5040	-849.144	-475.919	0.607688	-6.13856	-8.83706	-9785.34
5040_5040	5040	5040	838.467	418.4014	0.217875	0.821625	9.075938	9787.096
5040_5041	5040	5041	-817.571	-389.505	-0.21788	-0.82556	-10.8701	-6587.85
5041_5041	5041	5041	927.1303	393.1161	0.069563	-0.36619	10.92394	5998.753
5041_5042	5041	5042	-838.652	-343.723	-0.06956	0.366188	-12.0225	-271.068
5042_5042	5042	5042	838.6573	281.2228	0.002625	0.013125	12.0225	271.0943
5042_5043	5042	5043	-773.784	-243.759	-0.00263	-0.01313	-12.0593	2563.299
5043_5043	5043	5043	773.7844	243.7588	0.002625	0.013125	12.05925	-2563.3
5043_5044	5043	5044	-708.91	-206.295	-0.00263	-0.01313	-12.096	4950.889
5044_5044	5044	5044	708.9259	147.3938	-0.06825	-0.33994	12.096	-4950.96
5044_5045	5044	5045	-643.784	-109.906	0.06825	0.339938	-11.2744	6188.839
5045_5045	5045	5045	643.7839	109.9061	-0.06431	0.439688	11.27438	-6188.84
5045_5046	5045	5046	-578.698	-72.45	0.064313	-0.43969	-10.5144	6978.887
5046_5046	5046	5046	578.7049	13.02788	0.208688	8.0955	10.51444	-6978.98
5046_5047	5046	5047	-513.539	24.4545	-0.20869	-8.0955	-13.0082	6613.412
5047_5047	5047	5047	513.5393	-24.4545	0.0945	-7.91831	13.00819	-6613.41
5047_5048	5047	5048	-448.438	61.89881	-0.0945	7.918313	-14.1317	5801.627
5048_5048	5048	5048	448.4379	-120.837	-0.21656	5.067563	14.13169	-5801.7
5048_5049	5048	5049	-383.505	158.3111	0.216563	-5.06756	-11.5461	3840.261
5049_5049	5049	5049	383.5046	-158.311	-0.336	-4.8195	11.54606	-3840.26
5049_5050	5049	5050	-318.581	195.7791	0.336	4.8195	-7.53244	1432.134
5050_5050	5050	5050	318.5831	-253.784	0.53025	-0.91219	7.532438	-1432.17
5050_5051	5050	5051	-232.314	303.1298	-0.53025	0.912188	-15.8694	-3769.17
5051_5051	5051	5051	231.0735	-300.729	0.43575	2.94525	15.86419	3796.543
5051_5052	5051	5052	-188.554	327.5226	-0.43575	-2.94394	-19.4631	-6518.45
5052_5052	5052	5052	197.8239	-383.196	0.001313	-8.02463	19.17563	6519.477
5052_5053	5052	5053	-145.611	421.8467	-0.00131	8.029875	-19.1874	-11484.2
5053_5053	5053	5053	135.9199	-418.118	-0.105	13.91119	28.92356	11604.94
5053_5054	5053	5054	-107.231	467.5965	0.105	-13.8981	-27.5363	-17870.9
5054_5054	5054	5054	125.4304	-516.285	-0.26644	-19.9303	24.94538	17873.71
5054_5055	5054	5055	-116.31	565.0943	0.266438	19.93163	-21.5959	-24535
5055_5055	5055	5055	132.1688	-559.59	-0.37931	21.80981	26.0295	24539.02
5055_5056	5055	5056	-136.49	611.2404	0.379313	-21.8059	-21.2468	-31774.1
5056_5056	5056	5056	-2665.85	347.5146	-13.2641	0.265125	285.915	9859.136
5056_5057	5056	5057	2674.368	-313.74	13.26413	-0.26513	-159.994	-6761.02
5057_5057	5057	5057	-2676.53	313.74	-14.4887	-2.47275	161.1579	6720.554

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5057_5058	5057	5058	2683.549	-286.776	14.48869	2.47275	-48.8749	-4427.12
5058_5058	5058	5058	-2683.56	286.776	-10.7336	4.2525	48.87488	4427.116
5058_5059	5058	5059	2690.58	-259.815	10.73363	-4.2525	34.29563	-2342.82
5059_5059	5059	5059	-2690.58	204.9482	-10.9502	-2.35725	-34.2956	2342.828
5059_5060	5059	5060	2698.375	-177.08	10.95019	2.35725	122.0021	-849.563
5060_5060	5060	5060	-2698.39	177.0799	-3.927	2.055375	-122.002	849.5589
5060_5061	5060	5061	2706.177	-149.25	3.927	-2.05538	153.4129	418.8437
5061_5061	5061	5061	-2706.18	149.2496	-3.927	2.055375	-153.413	-418.844
5061_5062	5061	5062	2713.961	-121.421	3.927	-2.05538	184.8223	1464.661
5062_5062	5062	5062	-2713.97	63.98175	-1.91231	1.085438	-184.822	-1464.61
5062_5063	5062	5063	2720.423	-43.0933	1.912313	-1.08544	196.3067	1756.036
5063_5063	5063	5063	-2720.42	43.09331	-2.23781	1.141875	-196.307	-1756.04
5063_5064	5063	5064	2726.868	-22.239	2.237813	-1.14188	209.7152	1921.895
5064_5064	5064	5064	-2726.87	22.239	2.937375	0.091875	-209.715	-1921.9
5064_5065	5064	5065	2733.322	-1.35319	-2.93738	-0.09188	192.0857	1962.741
5065_5065	5065	5065	-2733.32	1.353188	2.937375	0.091875	-192.086	-1962.74
5065_5066	5065	5066	2739.777	19.53263	-2.93738	-0.09188	174.4562	1878.212
5066_5066	5066	5066	-2739.78	-77.3115	5.546625	-0.08794	-174.456	-1878.08
5066_5067	5066	5067	2749.054	105.1352	-5.54663	0.087938	130.1029	1106.032
5067_5067	5067	5067	-2749.05	-105.135	5.546625	-0.08794	-130.103	-1106.03
5067_5068	5067	5068	2758.326	132.9576	-5.54663	0.087938	85.74956	111.51
5068_5068	5068	5068	-2758.32	-132.958	9.415875	2.01075	-85.7496	-111.513
5068_5069	5068	5069	2767.601	160.8128	-9.41588	-2.01075	10.36481	-1107.04
5069_5069	5069	5069	-2767.58	-214.701	12.096	-5.81569	-10.3648	1107.136
5069_5070	5069	5070	2777.266	241.6496	-12.096	5.815688	-83.3188	-2918.52
5070_5070	5070	5070	-2777.25	-241.65	16.08469	0.780938	83.31881	2918.525
5070_5071	5070	5071	2786.944	268.6307	-16.0847	-0.78094	-208.044	-4941.19
5071_5071	5071	5071	-2782.72	-268.624	17.83294	5.268375	210.0617	4973.738
5071_5072	5071	5072	2794.351	302.4105	-17.8329	-5.26838	-379.425	-7738.58
5072_5072	5072	5072	83.54325	658.4944	0.153563	-19.6009	28.455	29193.02
5072_5073	5072	5073	-42.8505	-607.344	-0.15356	19.60744	-30.3857	-21305.3
5073_5073	5073	5073	25.914	612.9454	0.03675	20.67056	26.0715	21302.74
5073_5074	5073	5074	13.66969	-564.746	-0.03675	-20.6653	-26.5388	-13970.8
5074_5074	5074	5074	-32.7298	519.9889	0.627375	0.34125	28.34213	13969.7
5074_5075	5074	5075	64.06444	-471.056	-0.62738	-0.31631	-36.6765	-7409.83
5075_5075	5075	5075	583.5939	466.8799	-0.23756	0.742875	21.73631	3857.027
5075_5076	5075	5076	-591.875	-429.545	0.237563	-0.74681	-18.9381	1368.382
5076_5076	5076	5076	582.0885	376.6468	-0.07875	6.124125	18.88163	-1367.42
5076_5077	5076	5077	-572.258	-350.818	0.07875	-6.12413	-18.2267	4304.315
5077_5077	5077	5077	529.1081	354.3606	-0.168	-4.91925	20.53013	-4266.09
5077_5078	5077	5078	-497.2	-307.033	0.168	4.91925	-18.1269	8828.538
5078_5078	5078	5078	497.2013	253.9031	-0.08138	13.37831	18.12694	-8828.69
5078_5079	5078	5079	-472.799	-216.682	0.081375	-13.3783	-17.2095	11350.51
5079_5079	5079	5079	472.7993	216.6819	-0.20344	-12.6853	17.2095	-11350.5
5079_5080	5079	5080	-448.4	-179.466	0.203438	12.68531	-14.9284	13454.73
5080_5080	5080	5080	448.4064	127.4044	0.095813	15.65288	14.92838	-13454.9
5080_5081	5080	5081	-424.463	-90.1871	-0.09581	-15.6529	-16.0059	14559.85
5081_5081	5081	5081	424.4625	90.18713	-0.02494	-15.0504	16.00594	-14559.9
5081_5082	5081	5082	-400.521	-52.9738	0.024938	15.05044	-15.7198	15247.46
5082_5082	5082	5082	400.5317	-1.05263	-0.14569	0.48825	15.71981	-15247.7
5082_5083	5082	5083	-375.491	41.02088	0.145688	-0.48825	-13.965	14873.81
5083_5083	5083	5083	375.4905	-41.0209	-0.14831	-0.16406	13.965	-14873.8
5083_5084	5083	5084	-350.428	81.02194	0.148313	0.164063	-12.1774	14017.65
5084_5084	5084	5084	350.4309	-135.038	-0.13519	12.18394	12.17738	-14017.9
5084_5085	5084	5085	-327.595	172.2459	0.135188	-12.1839	-10.6575	12185.12
5085_5085	5085	5085	327.5934	-172.246	-0.25725	-12.1039	10.6575	-12185.1
5085_5086	5085	5086	-304.759	209.4501	0.25725	12.10388	-7.77394	9935.445
5086_5086	5086	5086	304.7559	-261.132	-0.04988	6.895875	7.773938	-9935.51

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5086_5087	5086	5087	-282.568	298.3378	0.049875	-6.89588	-7.22006	6692.242
5087_5087	5087	5087	282.5668	-298.338	-0.17325	-6.84206	7.220063	-6692.24
5087_5088	5087	5088	-260.361	335.5721	0.17325	6.842063	-5.27363	3028.737
5088_5088	5088	5088	260.3711	-385.634	0.2835	-1.44638	5.273625	-3028.77
5088_5089	5088	5089	-232.895	431.1707	-0.2835	1.446375	-9.15731	-2707.84
5089_5089	5089	5089	236.6254	-428.71	0.195563	1.605188	9.107438	2781.923
5089_5090	5089	5090	-220.215	456.0163	-0.19556	-1.60519	-10.7258	-6701
5090_5090	5090	5090	231.8991	-507.42	-0.30319	-14.574	10.23488	6701.69
5090_5091	5090	5091	-211.977	546.7547	0.303188	14.57006	-6.67013	-13062.6
5091_5091	5091	5091	207.3724	-541.478	-0.46594	12.40706	12.68269	13174.14
5091_5092	5091	5092	-196.374	590.0541	0.465938	-12.4097	-6.4995	-20716.8
5092_5092	5092	5092	217.8094	-637.433	-0.44756	-12.3598	4.6515	20719.09
5092_5093	5092	5093	-215.644	685.4361	0.447563	12.35325	0.956813	-29165.5
5093_5093	5093	5093	234.5844	-678.507	-0.50531	12.62494	1.623563	29169.11
5093_5094	5093	5094	-238.935	729.4731	0.505313	-12.6315	4.7355	-38169.7
5094_5094	5094	5094	-2989.84	308.9743	-8.79506	-4.40344	110.8879	10686.38
5094_5095	5094	5095	2992.865	-275.78	8.795063	4.403438	-27.3801	-7819.19
5095_5095	5095	5095	-2994.92	275.7825	-7.47206	-1.00406	26.57156	7829.166
5095_5096	5095	5096	2997.253	-249.454	7.472063	1.004063	31.37138	-5804.23
5096_5096	5096	5096	-2997.26	249.4538	-3.51619	6.953625	-31.3714	5804.229
5096_5097	5096	5097	2999.591	-223.159	3.516188	-6.95363	58.59919	-3985.74
5097_5097	5097	5097	-2999.6	170.4938	0.240188	-1.08544	-58.5992	3985.696
5097_5098	5097	5098	3002.51	-143.316	-0.24019	1.085438	56.67375	-2743.64
5098_5098	5098	5098	-3002.51	143.3158	0.240188	-1.08544	-56.6738	2743.637
5098_5099	5098	5099	3005.418	-116.139	-0.24019	1.085438	54.74831	-1719.09
5099_5099	5099	5099	-3005.42	116.1392	4.083188	1.871625	-54.7483	1719.09
5099_5100	5099	5100	3008.32	-88.998	-4.08319	-1.87163	22.11169	-912.955
5100_5100	5100	5100	-3008.32	33.20363	4.765688	2.653875	-22.1117	912.9553
5100_5101	5100	5101	3011.033	-12.8218	-4.76569	-2.65388	-6.49556	-787.259
5101_5101	5101	5101	-3011.02	12.82181	10.04194	5.31825	6.495563	787.2533
5101_5102	5101	5102	3013.732	7.558688	-10.0419	-5.31825	-66.7669	-783.893
5102_5102	5102	5102	-3013.73	-7.55869	-11.0578	-5.60306	66.76688	783.8959
5102_5103	5102	5103	3016.444	27.94313	11.05781	5.603063	-0.38456	-902.899
5103_5103	5103	5103	-3016.46	-27.9431	-5.95088	-2.69981	0.384563	902.9042
5103_5104	5103	5104	3019.165	48.29344	5.950875	2.699813	35.27869	-1143.77
5104_5104	5104	5104	-3019.17	-104.444	-3.927	-2.58956	-35.2787	1143.773
5104_5105	5104	5105	3023.472	131.6214	3.927	2.589563	66.71044	-2107.81
5105_5105	5105	5105	-3023.48	-131.621	-0.09056	1.177313	-66.7104	2107.809
5105_5106	5105	5106	3027.775	158.7639	0.090563	-1.17731	67.42969	-3287.71
5106_5106	5106	5106	-3027.77	-158.764	0.028875	1.340063	-67.4297	3287.714
5106_5107	5106	5107	3032.08	185.9406	-0.02888	-1.34006	67.19869	-4686.47
5107_5107	5107	5107	-3032.07	-238.413	5.635875	-4.22625	-67.1987	4686.544
5107_5108	5107	5108	3036.827	264.7391	-5.63588	4.22625	23.50556	-6658.13
5108_5108	5108	5108	-3036.83	-264.739	5.519063	-4.51369	-23.5056	6658.133
5108_5109	5108	5109	3041.578	291.0324	-5.51906	4.513688	-19.2334	-8830.9
5109_5109	5109	5109	-3042.38	-291.044	8.855438	6.143813	18.68869	8834.855
5109_5110	5109	5110	3048.443	324.2689	-8.85544	-6.14381	-102.841	-11903.4
5110_5110	5110	5110	202.4098	706.2143	0.014438	-26.5624	11.53819	39553.38
5110_5111	5110	5111	-181.027	-655.468	-0.01444	26.56369	-11.7167	-30938.5
5111_5111	5111	5111	162.8301	662.1103	-0.09581	25.62656	6.279	30935.94
5111_5112	5111	5112	-142.066	-614.375	0.095813	-25.6266	-5.07413	-23112.1
5112_5112	5112	5112	121.8144	573.5914	0.153563	-4.20394	7.605938	23111.01
5112_5113	5112	5113	-104.672	-525.236	-0.15356	4.203938	-9.65344	-15842.3
5113_5113	5113	5113	670.1218	523.5444	-0.19688	5.369438	18.13875	12630.92
5113_5114	5113	5114	-676.868	-484.444	0.196875	-5.376	-15.8169	-6725.12
5114_5114	5114	5114	665.9783	433.8206	-0.02231	0.88725	15.95606	6726.421
5114_5115	5114	5115	-650.584	-406.826	0.022313	-0.89119	-15.7684	-3337.16
5115_5115	5115	5115	722.9263	410.3046	-0.06563	-0.04725	15.57938	2696.105

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5115_5116	5115	5116	-666.213	-366.291	0.065625	0.04725	-14.6488	2812.32
5116_5116	5116	5116	666.2132	312.6336	-0.32419	4.896938	14.64881	-2812.32
5116_5117	5116	5117	-623.842	-277.986	0.324188	-4.89694	-11.0198	5923.784
5117_5117	5117	5117	623.8418	277.9862	-0.38063	-4.62131	11.01975	-5923.78
5117_5118	5117	5118	-581.472	-243.34	0.380625	4.621313	-6.75019	8646.742
5118_5118	5118	5118	581.4716	192.3023	0.009188	6.428625	6.750188	-8646.76
5118_5119	5118	5119	-539.898	-157.658	-0.00919	-6.42863	-6.85388	10412.4
5119_5119	5119	5119	539.8982	157.6575	-0.04725	-6.26456	6.853875	-10412.4
5119_5120	5119	5120	-498.326	-123.013	0.04725	6.264563	-6.31838	11789.61
5120_5120	5120	5120	498.3261	69.96544	-0.20213	18.73594	6.318375	-11789.6
5120_5121	5120	5121	-454.868	-32.7246	0.202125	-18.7359	-3.88106	12202.91
5121_5121	5121	5121	454.8666	32.72456	-0.36094	-18.6191	3.881063	-12202.9
5121_5122	5121	5122	-411.445	4.4835	0.360938	18.61913	0.460688	12167.65
5122_5122	5122	5122	411.4451	-56.5701	-0.14569	5.838	-0.46069	-12167.7
5122_5123	5122	5123	-371.906	91.2135	0.145688	-5.838	2.0895	11151.95
5123_5123	5123	5123	371.9061	-91.2135	-0.20213	-5.82881	-2.0895	-11152
5123_5124	5123	5124	-332.368	125.8556	0.202125	5.828813	4.3575	9747.888
5124_5124	5124	5124	332.3591	-175.857	0.001313	7.482563	-4.3575	-9747.85
5124_5125	5124	5125	-293.503	210.5001	-0.00131	-7.48256	4.345688	7397.838
5125_5125	5125	5125	293.5013	-210.5	-0.11288	-7.55738	-4.34569	-7397.84
5125_5126	5125	5126	-254.645	245.1409	0.112875	7.557375	5.610938	4659.513
5126_5126	5126	5126	254.6355	-291.971	-0.64575	-0.11681	-5.61094	-4659.51
5126_5127	5126	5127	-206.677	334.2137	0.64575	0.116813	14.44275	160.8744
5127_5127	5127	5127	211.6223	-331.814	-0.72581	-0.05644	-14.5005	-102.755
5127_5128	5127	5128	-182.069	356.6693	0.725813	0.056438	20.49338	-3052.19
5128_5128	5128	5128	191.4767	-400.79	1.715438	-6.48113	-20.7139	3053.147
5128_5129	5128	5129	-156.646	436.6373	-1.71544	6.48375	0.544688	-8467.46
5129_5129	5129	5129	157.8636	-430.614	1.479188	11.90831	-3.3495	8533.36
5129_5130	5129	5130	-144.153	477.5636	-1.47919	-11.8978	-16.2894	-14639.8
5130_5130	5130	5130	162.2421	-522.008	-4.51369	-9.87919	14.70919	14642.87
5130_5131	5130	5131	-163.8	568.4083	4.513688	9.863438	41.93831	-21785.1
5131_5131	5131	5131	179.6432	-561.31	-4.57013	10.06163	-39.984	21789.62
5131_5132	5131	5132	-190.07	610.5999	4.570125	-10.0787	97.50038	-29454.3
5132_5132	5132	5132	-2529.07	298.1396	30.33975	12.70763	-375.162	7934.818
5132_5133	5132	5133	2531.999	-266.023	-30.3398	-12.7076	86.93738	-5038.75
5133_5133	5133	5133	-2542.86	266.0228	33.93731	20.27944	-86.7431	5091.968
5133_5134	5133	5134	2545.717	-242.07	-33.9373	-20.2794	-176.275	-3137.48
5134_5134	5134	5134	-2545.93	242.0696	-1.84013	-30.6062	176.2753	3137.417
5134_5135	5134	5135	2548.784	-218.082	1.840125	30.60619	-161.997	-1366.29
5135_5135	5135	5135	-2548.76	155.1493	-4.50844	-0.92138	161.9966	1366.76
5135_5136	5135	5136	2551.154	-130.421	4.508438	0.921375	-125.932	-236.992
5136_5136	5136	5136	-2551.16	130.4205	-1.03819	0.542063	125.9318	236.9916
5136_5137	5136	5137	2553.553	-105.693	1.038188	-0.54206	-117.628	694.9268
5137_5137	5137	5137	-2553.55	105.693	-4.5465	0.164063	117.6276	-694.927
5137_5138	5137	5138	2555.94	-80.9957	4.5465	-0.16406	-81.2949	1428.227
5138_5138	5138	5138	-2555.95	21.63788	-4.347	0.22575	81.29494	-1428.38
5138_5139	5138	5139	2558.275	-3.09094	4.347	-0.22575	-55.2143	1491.114
5139_5139	5139	5139	-2558.28	3.090938	0.279563	-0.42525	55.21425	-1491.11
5139_5140	5139	5140	2560.598	15.45469	-0.27956	0.42525	-56.8929	1442.561
5140_5140	5140	5140	-2560.6	-15.4547	-4.347	0.065625	56.89294	-1442.56
5140_5141	5140	5141	2562.916	34.00163	4.347	-0.06563	-30.8109	1282.721
5141_5141	5141	5141	-2562.92	-34.0016	0.279563	-0.08006	30.81094	-1282.72
5141_5142	5141	5142	2565.239	52.54725	-0.27956	0.080063	-32.4896	1011.603
5142_5142	5142	5142	-2565.24	-110.826	-2.90325	-0.06431	32.48963	-1011.75
5142_5143	5142	5143	2568.871	135.5537	2.90325	0.064313	-9.26363	8.839688
5143_5143	5143	5143	-2568.87	-135.554	-2.90325	-0.06431	9.263625	-8.83969
5143_5144	5143	5144	2572.5	160.2825	2.90325	0.064313	13.96238	-1191.91
5144_5144	5144	5144	-2572.5	-160.283	-2.90325	-0.06431	-13.9624	1191.91

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5144_5145	5144	5145	2576.13	185.0113	2.90325	0.064313	37.18838	-2590.5
5145_5145	5145	5145	-2576.13	-238.382	-1.10906	2.88225	-37.1884	2590.38
5145_5146	5145	5146	2580.319	262.3373	1.109063	-2.88225	45.78394	-4550.32
5146_5146	5146	5146	-2580.32	-262.337	-1.10906	2.88225	-45.7839	4550.319
5146_5147	5146	5147	2584.512	286.2917	1.109063	-2.88225	54.3795	-6695.92
5147_5147	5147	5147	-2567.04	-286.285	-4.59244	-7.36706	-54.2876	6610.681
5147_5148	5147	5148	2571.66	318.4046	4.592438	7.367063	97.92169	-9504.65
5148_5148	5148	5148	167.6666	590.0751	0.023625	-11.5592	-11.7049	30835.49
5148_5149	5148	5149	-140.376	-540.989	-0.02363	11.55394	11.41613	-23743
5149_5149	5149	5149	125.2033	548.0659	-0.02888	10.67194	-13.7196	23739.72
5149_5150	5149	5150	-100.027	-501.922	0.028875	-10.6772	14.0805	-17165.5
5150_5150	5150	5150	83.22694	467.2211	0.145688	-0.82294	-13.0371	17163.58
5150_5151	5150	5151	-64.8073	-420.518	-0.14569	0.821625	11.10638	-11262
5151_5151	5151	5151	757.9753	416.8763	0.042	0.358313	-9.27413	7472.412
5151_5152	5151	5152	-762.055	-379.931	-0.042	-0.35963	8.778	-2877.1
5152_5152	5152	5152	753.4144	331.9431	0.139125	-0.08663	-8.75963	2877.95
5152_5153	5152	5153	-733.247	-306.452	-0.13913	0.087938	7.615125	-358.49
5153_5153	5153	5153	775.2373	310.6333	0.140438	0.044625	-7.67944	137.1195
5153_5154	5153	5154	-713.029	-269.484	-0.14044	-0.04463	5.74875	3575.788
5154_5154	5154	5154	713.0288	214.8458	0.139125	0.023625	-5.74875	-3575.79
5154_5155	5154	5155	-664.962	-181.902	-0.13913	-0.02363	4.218375	5547.587
5155_5155	5155	5155	664.9624	181.902	0.139125	0.023625	-4.21838	-5547.59
5155_5156	5155	5156	-616.896	-148.958	-0.13913	-0.02363	2.689313	7156.982
5156_5156	5156	5156	616.8986	96.93469	0.049875	-0.02231	-2.68931	-7156.99
5156_5157	5156	5157	-573.157	-66.9559	-0.04988	0.022313	2.195813	7785.909
5157_5157	5157	5157	573.1569	66.95588	0.049875	0.09975	-2.19581	-7785.91
5157_5158	5157	5158	-529.46	-37.0073	-0.04988	-0.09975	1.69575	8114.544
5158_5158	5158	5158	529.4494	-12.8244	0.12075	-5.02688	-1.69575	-8114.51
5158_5159	5158	5159	-485.909	42.80325	-0.12075	5.026875	0.481688	7645.681
5159_5159	5159	5159	485.9085	-42.8033	0.191625	5.0925	-0.48169	-7645.68
5159_5160	5159	5160	-442.368	72.78206	-0.19163	-5.0925	-1.43981	6876.741
5160_5160	5160	5160	442.3676	-125.5	0.153563	0.038063	1.439813	-6876.77
5160_5161	5160	5161	-394.515	158.4437	-0.15356	-0.03806	-3.13163	5105.949
5161_5161	5161	5161	394.5152	-158.444	0.153563	0.038063	3.131625	-5105.95
5161_5162	5161	5162	-346.664	191.3874	-0.15356	-0.03806	-4.82344	2972.723
5162_5162	5162	5162	346.6798	-241.979	-0.13256	-0.063	4.823438	-2972.69
5162_5163	5162	5163	-285.309	283.1299	0.132563	0.063	-2.99644	-912.005
5163_5163	5163	5163	290.1833	-279.95	-0.189	0.232313	2.957063	904.9339
5163_5164	5163	5164	-254.716	305.4988	0.189	-0.23494	-1.39388	-3503.74
5164_5164	5164	5164	263.1838	-352.674	0.237563	3.8535	1.51725	3504.644
5164_5165	5164	5165	-218.546	389.55	-0.23756	-3.84694	-4.30631	-8135.88
5165_5165	5165	5165	201.5331	-382.338	0.44625	-5.7015	3.297	8291.008
5165_5166	5165	5166	-174.682	429.8936	-0.44625	5.70675	-9.21375	-13947.7
5166_5166	5166	5166	191.4557	-471.657	0.253313	-8.56931	8.81475	13950.91
5166_5167	5166	5167	-183.314	518.5622	-0.25331	8.564063	-12.0002	-20400.3
5167_5167	5167	5167	197.9079	-510.081	0.195563	9.201938	13.88494	20404.96
5167_5168	5167	5168	-203.449	559.8062	-0.19556	-9.20719	-16.3524	-27077.8
5168_5168	5168	5168	-2402.72	323.4473	-1.77713	-3.27338	12.70763	8066.095
5168_5169	5168	5169	2409.01	-290.889	1.777125	3.273375	4.181625	-5176.08
5169_5169	5169	5169	-2418.64	290.8789	1.568438	4.024125	-3.88631	5223.066
5169_5170	5169	5170	2424.257	-266.294	-1.56844	-4.02413	-8.25694	-3092.05
5170_5170	5170	5170	-2424.26	266.2944	-1.88606	-0.861	8.256938	3092.054
5170_5171	5170	5171	2429.882	-241.677	1.886063	0.861	6.360375	-1148.92
5171_5171	5171	5171	-2429.87	181.6907	2.181375	0.584063	-6.36038	1148.747
5171_5172	5171	5172	2435.979	-156.281	-2.18138	-0.58406	-11.0906	175.9209
5172_5172	5172	5172	-2435.98	156.2807	-1.20094	-0.29006	11.09063	-175.921
5172_5173	5172	5173	2442.091	-130.871	1.200938	0.290063	-1.48575	1297.312
5173_5173	5173	5173	-2442.09	130.8707	-1.20094	-0.29006	1.48575	-1297.31

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5173_5174	5173	5174	2448.202	-105.461	1.200938	0.290063	8.119125	2215.407
5174_5174	5174	5174	-2448.21	42.72056	2.580375	-1.05263	-8.11913	-2215.57
5174_5175	5174	5175	2453.171	-23.6631	-2.58038	1.052625	-7.36181	2392.815
5175_5175	5175	5175	-2453.17	23.66306	-1.92938	1.143188	7.361813	-2392.81
5175_5176	5175	5176	2458.135	-4.60556	1.929375	-1.14319	4.213125	2455.706
5176_5176	5176	5176	-2458.14	4.605563	2.580375	-1.06444	-4.21313	-2455.71
5176_5177	5176	5177	2463.099	14.45194	-2.58038	1.064438	-11.2665	2404.244
5177_5177	5177	5177	-2463.1	-14.4519	-1.92938	0.966	11.2665	-2404.24
5177_5178	5177	5178	2468.063	33.50944	1.929375	-0.966	0.308438	2238.427
5178_5178	5178	5178	-2468.07	-96.3716	-0.63131	-0.49219	-0.30844	-2238.61
5178_5179	5178	5179	2475.101	121.7829	0.631313	0.492188	5.356313	1335.188
5179_5179	5179	5179	-2475.1	-121.783	-0.63131	-0.49219	-5.35631	-1335.19
5179_5180	5179	5180	2482.132	147.1929	0.631313	0.492188	10.4055	228.4695
5180_5180	5180	5180	-2482.13	-147.193	2.751	0.959438	-10.4055	-228.47
5180_5181	5180	5181	2489.162	172.6029	-2.751	-0.95944	-11.6012	-1081.53
5181_5181	5181	5181	-2489.16	-230.65	-2.10919	-1.16813	11.60119	1081.545
5181_5182	5181	5182	2496.744	255.2668	2.109188	1.168125	4.75125	-2997.51
5182_5182	5182	5182	-2496.75	-255.267	1.38075	4.68825	-4.75125	2997.51
5182_5183	5182	5183	2504.333	279.8828	-1.38075	-4.68825	-5.95219	-5104.24
5183_5183	5183	5183	-2487.16	-279.871	-2.01206	-3.72488	6.17925	5020.427
5183_5184	5183	5184	2496.023	312.4301	2.012063	3.724875	12.93338	-8029.82
5184_5184	5184	5184	181.1775	580.6434	-0.0735	9.709875	-12.0146	27457.45
5184_5185	5184	5185	-146.423	-531.296	0.0735	-9.70856	12.93731	-20518.3
5185_5185	5185	5185	131.3996	540.5531	0	-9.16388	-10.9279	20514.53
5185_5186	5185	5186	-100.695	-494.101	0	9.165188	10.92788	-13947.4
5186_5186	5186	5186	83.66138	455.8103	-0.48825	-0.651	-11.6904	13945.2
5186_5187	5186	5187	-63.3321	-408.673	0.48825	0.647063	18.16631	-8239.62
5187_5187	5187	5187	727.6592	407.7386	0.098438	0.3465	-2.59744	4314.71
5187_5188	5187	5188	-735.891	-369.188	-0.09844	-0.33994	1.447688	562.5221
5188_5188	5188	5188	727.3744	316.7286	-0.05644	-0.00263	-1.43588	-561.071
5188_5189	5188	5189	-713.115	-290.114	0.056438	0	1.90575	2933.153
5189_5189	5189	5189	737.1617	294.9201	-0.06694	-0.0735	-1.79025	-2929.24
5189_5190	5189	5190	-689.687	-249.956	0.066938	0.0735	2.70375	6468.537
5190_5190	5190	5190	689.6859	192.4309	0.271688	-0.03938	-2.70375	-6468.54
5190_5191	5190	5191	-651.532	-156.459	-0.27169	0.039375	-0.28744	8221.605
5191_5191	5191	5191	651.5316	156.4592	0.271688	-0.03938	0.287438	-8221.61
5191_5192	5191	5192	-613.376	-120.489	-0.27169	0.039375	-3.27731	9578.969
5192_5192	5192	5192	613.3903	64.17075	-0.22181	0.056438	3.277313	-9578.98
5192_5193	5192	5193	-578.154	-31.4055	0.221813	-0.05644	-1.05788	9904.897
5193_5193	5193	5193	578.1536	31.4055	-0.22181	-0.09188	1.057875	-9904.9
5193_5194	5193	5194	-542.882	1.393875	0.221813	0.091875	1.172063	9902.307
5194_5194	5194	5194	542.8539	-55.6159	0.208688	-0.01969	-1.17206	-9902.32
5194_5195	5194	5195	-507.457	88.41394	-0.20869	0.019688	-0.92531	9026.593
5195_5195	5195	5195	507.4571	-88.4139	0.208688	-0.01969	0.925313	-9026.59
5195_5196	5195	5196	-472.06	121.2133	-0.20869	0.019688	-3.02269	7821.873
5196_5196	5196	5196	472.0695	-178.952	-0.0315	-0.021	3.022688	-7821.87
5196_5197	5196	5197	-433.052	214.9232	0.0315	0.021	-2.6775	5486.729
5197_5197	5197	5197	433.0515	-214.923	-0.0315	-0.021	2.6775	-5486.73
5197_5198	5197	5198	-394.032	250.8936	0.0315	0.021	-2.33231	2755.881
5198_5198	5198	5198	394.0361	-307.339	0.035438	-0.01313	2.332313	-2755.89
5198_5199	5198	5199	-343.472	352.2698	-0.03544	0.013125	-2.82713	-2053.85
5199_5199	5199	5199	347.6209	-348.343	0.032813	-0.01444	2.710313	1953.004
5199_5200	5199	5200	-316.981	376.1822	-0.03281	0.013125	-2.982	-5180.74
5200_5200	5200	5200	327.3795	-430.046	-0.00788	1.1655	3.022688	5181.899
5200_5201	5200	5201	-288.959	470.2294	0.007875	-1.16025	-2.93344	-10843.8
5201_5201	5201	5201	283.6352	-460.71	0.095813	-1.70363	5.66475	10957.69
5201_5202	5201	5202	-265.37	513.9855	-0.09581	1.712813	-6.93131	-17619.3
5202_5202	5202	5202	285.4963	-564.013	-0.12075	10.87931	8.036438	17623.41

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5202_5203	5202	5203	-281.501	616.3408	0.12075	-10.8846	-6.51788	-25070
5203_5203	5203	5203	298.7473	-605.782	-0.0525	-11.193	4.21575	25076.02
5203_5204	5203	5204	-305.217	660.9356	0.0525	11.18644	-3.55031	-33245.4
5204_5204	5204	5204	-2754.64	352.5454	-3.03188	3.01875	111.0401	10065.48
5204_5205	5204	5205	2758.38	-315.973	3.031875	-3.01875	-82.236	-6808.53
5205_5205	5205	5205	-2761.61	315.9713	-6.46669	-4.62131	83.85169	6486.071
5205_5206	5205	5206	2765.024	-288.079	6.466688	4.621313	-33.7313	-4161.56
5206_5206	5206	5206	-2765.03	288.0793	-2.44256	1.849313	33.73125	4161.557
5206_5207	5206	5207	2768.444	-260.187	2.442563	-1.84931	-14.8037	-2053.25
5207_5207	5207	5207	-2768.44	198.0891	-4.78931	0.087938	14.80369	2053.244
5207_5208	5207	5208	2772.362	-169.297	4.789313	-0.08794	23.51213	-601.995
5208_5208	5208	5208	-2772.36	169.2968	-4.78931	0.087938	-23.5121	601.9952
5208_5209	5208	5209	2776.288	-140.506	4.789313	-0.08794	61.82663	618.9081
5209_5209	5209	5209	-2776.29	140.5058	-4.78931	0.087938	-61.8266	-618.908
5209_5210	5209	5210	2780.215	-111.715	4.789313	-0.08794	100.1424	1609.466
5210_5210	5210	5210	-2780.27	47.85638	1.770563	-0.30844	-100.142	-1609.47
5210_5211	5210	5211	2783.717	-26.2631	-1.77056	0.308438	89.51775	1816.052
5211_5211	5211	5211	-2783.72	26.26313	-3.42825	0.706125	-89.5178	-1816.05
5211_5212	5211	5212	2787.163	-4.66988	3.42825	-0.70613	110.0873	1893.066
5212_5212	5212	5212	-2787.16	4.669875	1.770563	-0.33994	-110.087	-1893.07
5212_5213	5212	5213	2790.61	16.92338	-1.77056	0.339938	99.46388	1840.519
5213_5213	5213	5213	-2790.61	-16.9234	-3.42825	0.521063	-99.4639	-1840.52
5213_5214	5213	5214	2794.057	38.51663	3.42825	-0.52106	120.0334	1658.395
5214_5214	5214	5214	-2794.14	-102.073	2.271938	0.413438	-120.033	-1658.26
5214_5215	5214	5215	2799.379	130.8641	-2.27194	-0.41344	101.8592	702.8359
5215_5215	5215	5215	-2799.37	-130.864	6.170063	1.365	-101.859	-702.839
5215_5216	5215	5216	2804.617	159.6551	-6.17006	-1.365	52.49081	-482.913
5216_5216	5216	5216	-2804.62	-159.655	2.271938	-1.17075	-52.4908	482.9147
5216_5217	5216	5217	2809.867	188.4461	-2.27194	1.17075	34.31663	-1899.03
5217_5217	5217	5217	-2809.89	-248.611	2.737875	-21.798	-34.3166	1898.823
5217_5218	5217	5218	2815.568	276.4663	-2.73788	21.798	13.12631	-3956.31
5218_5218	5218	5218	-2815.56	-276.466	6.80925	-14.4008	-13.1263	3956.325
5218_5219	5218	5219	2821.242	304.3583	-6.80925	14.40075	-39.6493	-6232.47
5219_5219	5219	5219	-2810.29	-304.354	25.87331	37.60706	39.76481	6524.41
5219_5220	5219	5220	2816.972	340.9245	-25.8733	-37.6071	-285.558	-9620.04
5220_5220	5220	5220	263.2599	674.1788	0.68775	-46.1606	-1.90313	32428.51
5220_5221	5220	5221	-234.31	-619.407	-0.68775	46.16719	-6.7515	-24286.5
5221_5221	5221	5221	216.8329	629.8005	0.47775	45.25106	-2.90063	24281.86
5221_5222	5221	5222	-190.379	-577.923	-0.47775	-45.2458	-3.10013	-16865.4
5222_5222	5222	5222	170.1984	529.6082	1.103813	-3.3495	7.413	16862.96
5222_5223	5222	5223	-150.667	-476.751	-1.10381	3.277313	-22.0566	-10093.8
5223_5223	5223	5223	816.9827	476.2472	0.668063	3.12375	-1.47394	6323.689
5223_5224	5223	5224	-819.436	-434.029	-0.66806	-3.15394	-6.38138	-1032.48
5224_5224	5224	5224	809.2521	372.3759	0.305813	15.67388	6.272438	1033.985
5224_5225	5224	5225	-787.95	-343.173	-0.30581	-15.6673	-8.79113	1838.155
5225_5225	5225	5225	753.0941	348.8428	0.023625	-11.4634	9.282	-1578.14
5225_5226	5225	5226	-692.01	-292.161	-0.02363	11.46338	-9.65344	6259.407
5226_5226	5226	5226	691.9986	221.8374	1.048688	26.25525	9.653438	-6259.34
5226_5227	5226	5227	-644.704	-178.331	-1.04869	-26.2553	-22.0776	8424.052
5227_5227	5227	5227	644.7118	178.3307	0.753375	-25.6646	22.07756	-8424.06
5227_5228	5227	5228	-597.412	-134.819	-0.75338	25.66463	-31.0052	10073.2
5228_5228	5228	5228	597.1823	65.22469	0.50925	27.951	31.00519	-10071.3
5228_5229	5228	5229	-549.602	-18.9853	-0.50925	-27.951	-37.0466	10362.47
5229_5229	5229	5229	549.5923	19.2045	0.213938	-27.678	37.04663	-10362.5
5229_5230	5229	5230	-504.94	27.04144	-0.21394	27.678	-39.5903	10119.57
5230_5230	5230	5230	504.8531	-98.1159	-0.34125	16.42856	39.59025	-10117.9
5230_5231	5230	5231	-459.723	145.6547	0.34125	-16.4286	-35.4283	8433.464
5231_5231	5231	5231	459.7189	-145.43	-0.57094	-17.1491	35.42831	-8433.46

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5231_5232	5231	5232	-417.683	192.9756	0.570938	17.14913	-28.4668	6184.199
5232_5232	5232	5232	417.2805	-265.838	6.0165	6.949688	28.46681	-6183.16
5232_5233	5232	5233	-387.692	301.6808	-6.0165	-6.94969	-83.7598	3443.619
5233_5233	5233	5233	399.5289	-297.894	6.995625	-0.45281	89.775	-3485.86
5233_5234	5233	5234	-377.161	325.3346	-6.99563	0.51975	-137.965	1274.468
5234_5234	5234	5234	382.4901	-319.199	6.8355	-7.30669	137.8243	-1273.49
5234_5235	5234	5235	-357.82	350.2656	-6.8355	7.503563	-190.748	-1505.94
5235_5235	5235	5235	366.6049	-403.47	-5.81831	-9.46969	190.6524	1505.865
5235_5236	5235	5236	-349.5	425.2146	5.818313	9.249188	-159.406	-3832.37
5236_5236	5236	5236	297.0332	-419.86	-8.30288	-2.42025	263.1523	4152.62
5236_5237	5236	5237	-287.314	461.3516	8.302875	1.870313	-192.894	-8017.2
5237_5237	5237	5237	294.9752	-455.102	-8.41706	14.98481	194.2854	8019.391
5237_5238	5237	5238	-291.967	487.9914	8.417063	-15.5138	-138.7	-11235.7
5238_5238	5238	5238	306.0041	-549.038	-3.23925	-23.6079	135.6456	11236.07
5238_5239	5238	5239	-307.364	599.2901	3.23925	23.45831	-103.657	-16890.8
5239_5239	5239	5239	340.4691	-575.97	-3.36919	16.89844	108.9231	16904.49
5239_5240	5239	5240	-354.403	632.1551	3.369188	-17.1281	-72.9225	-23456.3
5240_5240	5240	5240	-2526.93	418.7715	-91.1413	-6.89325	1784.354	7641.198
5240_5241	5240	5241	2538.59	-360.166	91.14131	6.89325	-664.517	-2904.78
5241_5241	5241	5241	-2535.11	360.3009	-79.4719	9.174375	667.7987	2886.387
5241_5242	5241	5242	2539.842	-332.769	79.47188	-9.17438	-202.541	-877.737
5242_5242	5242	5242	-2539.91	332.8671	-77.2249	10.74019	202.5411	877.7633
5242_5243	5242	5243	2544.331	-302.975	77.22488	-10.7402	288.2959	1123.955
5243_5243	5243	5243	-2547.23	246.5663	-15.0084	4.266938	-288.296	-1124.71
5243_5244	5243	5244	2556.919	-200.353	15.00844	-4.26694	435.7802	3279.188
5244_5244	5244	5244	-2556.95	200.5119	-5.187	-2.26275	-435.78	-3279.2
5244_5245	5244	5245	2564.835	-154.476	5.187	2.26275	486.5595	4982.509
5245_5245	5245	5245	-2563.82	101.0271	-20.9344	7.739813	-486.56	-4981.43
5245_5246	5245	5246	2570.715	-53.3321	20.93438	-7.73981	698.8734	5733.777
5246_5246	5246	5246	-2570.75	53.49094	-11.0237	-6.46013	-698.873	-5733.88
5246_5247	5246	5247	2575.481	-8.89613	11.02369	6.460125	803.3957	6008.072
5247_5247	5247	5247	-2575.35	-47.8091	-7.67813	6.4785	-803.396	-6006.91
5247_5248	5247	5248	2579.204	91.51669	7.678125	-6.4785	874.7563	5341.387
5248_5248	5248	5248	-2579.24	-91.3579	1.387313	-4.78144	-874.756	-5341.24
5248_5249	5248	5249	2581.664	139.9401	-1.38731	4.781438	860.4317	4133.874
5249_5249	5249	5249	-2583.12	-191.826	49.3185	1.535625	-860.432	-4133.4
5249_5250	5249	5250	2584.071	239.3829	-49.3185	-1.53563	361.7237	1946.487
5250_5250	5250	5250	-2583.91	-239.223	56.92313	1.282313	-361.724	-1946.57
5250_5251	5250	5251	2583.087	283.9568	-56.9231	-1.28231	-179.714	-541.1
5251_5251	5251	5251	-2579.9	-355.955	-33.3021	-48.1609	179.7141	539.4861
5251_5252	5251	5252	2579.977	384.3984	33.30206	48.16088	21.69169	-2780.48
5252_5252	5252	5252	-2580.03	-384.299	-28.7608	-40.8319	-21.6917	2780.554
5252_5253	5252	5253	2579.401	413.7381	28.76081	40.83188	201.7313	-5277.79
5253_5253	5253	5253	-2574.95	-413.607	-21.2454	-22.0369	-202.697	5256.045
5253_5254	5253	5254	2572.605	458.9091	21.24544	22.03688	404.4784	-9487.09
5254_5254	5254	5254	368.6445	661.227	-101.826	303.9671	-315.24	27170.95
5254_5255	5254	5255	-361.831	-646.72	101.8264	-304.123	590.8573	-25382
5255_5255	5255	5255	339.0253	585.5496	53.59331	-33.6249	-546.839	25370.91
5255_5256	5255	5256	-307.978	-519.838	-53.5933	33.94125	-128.702	-18514.4
5256_5256	5256	5256	295.7574	530.7383	53.23106	51.01294	120.0819	18509.53
5256_5257	5256	5257	-275.385	-484.763	-53.2311	-50.8134	-606.491	-13771
5257_5257	5257	5257	263.5881	419.9344	-27.7817	-41.9147	613.1409	13767.16
5257_5258	5257	5258	-250.484	-387.802	27.78169	41.93963	-432.152	-11187.4
5258_5258	5258	5258	244.3914	394.1529	-28.0048	-13.6408	429.513	11186.07
5258_5259	5258	5259	-232.933	-357.9	28.00481	13.66444	-220.945	-8370.87
5259_5259	5259	5259	154.9931	366.261	-28.1964	19.07325	223.1513	8765.792
5259_5260	5259	5260	-148.418	-334.382	28.19644	-19.0588	-6.43781	-5938.51
5260_5260	5260	5260	837.1309	272.5367	2.867813	19.17431	-21.9896	2294.236

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5260_5261	5260	5261	-869.941	-247.079	-2.86781	-19.1888	5.038688	-564.372
5261_5261	5261	5261	866.4272	255.1553	2.3625	-0.05513	-4.61738	563.4693
5261_5262	5261	5262	-892.854	-227.816	-2.3625	0.048563	-10.5197	1114.332
5262_5262	5262	5262	926.0081	233.5174	2.106563	-8.00231	10.0065	-1520.58
5262_5263	5262	5263	-966.684	-182.388	-2.10656	8.002313	-35.6777	4251.954
5263_5263	5263	5263	966.7245	100.1162	1.095938	18.522	35.67769	-4251.94
5263_5264	5263	5264	-1009.91	-52.2139	-1.09594	-18.522	-48.195	5329.778
5264_5264	5264	5264	1009.894	52.437	0.686438	-16.6517	48.195	-5329.72
5264_5265	5264	5265	-1056.82	-3.62906	-0.68644	16.65169	-56.1789	5880.269
5265_5265	5265	5265	1056.815	-66.9283	0.559125	26.19225	56.17894	-5880.18
5265_5266	5265	5266	-1104.39	115.8413	-0.55913	-26.1923	-62.706	5042.003
5266_5266	5266	5266	1104.393	-115.618	-0.00525	-25.9481	62.706	-5042.03
5266_5267	5266	5267	-1153.74	163.4128	0.00525	25.94813	-62.6443	3686.702
5267_5267	5267	5267	1153.845	-236.309	2.113125	24.15263	62.64431	-3686.71
5267_5268	5267	5268	-1205.18	284.7154	-2.11313	-24.1526	-87.0293	924.1877
5268_5268	5268	5268	1205.199	-284.492	1.430625	-25.0281	87.02925	-924.182
5268_5269	5268	5269	-1259.28	332.7608	-1.43063	25.02806	-103.495	-2371.95
5269_5269	5269	5269	1259.308	-402.262	-1.17206	6.608438	103.4946	2372.013
5269_5270	5269	5270	-1301.18	439.4355	1.172063	-6.60844	-93.1035	-5903.82
5270_5270	5270	5270	1301.163	-439.265	-1.5855	-6.70425	93.1035	5903.885
5270_5271	5270	5271	-1344.56	476.2853	1.5855	6.70425	-79.1149	-10226.8
5271_5271	5271	5271	1242.007	-469.904	-2.24963	-8.09419	67.35881	11126.75
5271_5272	5271	5272	-1256.08	498.7605	2.249625	8.06925	-52.962	-14291.8
5272_5272	5272	5272	1265.944	-573.657	15.40088	-15.9049	52.70081	14291.32
5272_5273	5272	5273	-1259.84	605.6308	-15.4009	15.98494	-161.003	-18600.6
5273_5273	5273	5273	1268.66	-595.074	15.12	-6.67538	161.1855	18599.68
5273_5274	5273	5274	-1242.84	625.3774	-15.12	6.796125	-260.248	-22816
5274_5274	5274	5274	1102.231	-616.322	15.62269	17.29481	243.9518	23773.19
5274_5275	5274	5275	-1043.59	675.1749	-15.6227	-16.9155	-418.337	-30834.7
5275_5275	5275	5275	1063.149	-745.692	-59.8841	-58.653	413.6724	30840.31
5275_5276	5275	5276	-997.245	799.4949	59.88413	57.183	176.9565	-38461.2
5276_5276	5276	5276	1013.553	-786.757	-60.4301	54.11306	-167.755	38461.63
5276_5277	5276	5277	-951.629	840.7376	60.43013	-55.7445	746.1799	-46571.7
5277_5277	5277	5277	507.7958	-917.718	95.88338	-92.7006	-1381.86	50298.64
5277_5278	5277	5278	-511.758	961.9588	-95.8834	92.08894	637.7411	-56669
5278_5278	5278	5278	-4007.44	593.0203	46.78275	13.23131	-260.155	19447.21
5278_5279	5278	5279	4023.305	-544.955	-46.7828	-13.2313	-183.848	-14111.6
5279_5279	5279	5279	-4031.98	545.0629	60.29625	63.46988	186.921	14507.21
5279_5280	5279	5280	4042.381	-514.052	-60.2963	-63.4699	-580.851	-11091
5280_5280	5280	5280	-4044.61	418.8384	-75.8363	-11.3426	580.8508	11092.73
5280_5281	5280	5281	4055.981	-363.48	75.83625	11.34263	303.6167	-6577.74
5281_5281	5281	5281	-4056.19	363.6819	-64.2036	8.338313	-303.617	6577.85
5281_5282	5281	5282	4065.461	-304.778	64.20356	-8.33831	1100.354	-2469.04
5282_5282	5282	5282	-4129.42	236.9771	6.534938	-1.86244	-1117.69	2771.297
5282_5283	5282	5283	4144.384	-186.523	-6.53494	1.862438	1036.741	-211.184
5283_5283	5283	5283	-4144.32	186.6926	20.16788	1.845375	-1036.74	211.0684
5283_5284	5283	5284	4156.269	-139.109	-20.1679	-1.84538	801.0936	1641.242
5284_5284	5284	5284	-4156.47	-12.0435	17.3145	0.483	-801.094	-1641.35
5284_5285	5284	5285	4160.499	57.96263	-17.3145	-0.483	605.871	1229.231
5285_5285	5285	5285	-4160.41	-57.813	27.78956	0.463313	-605.871	-1229.4
5285_5286	5285	5286	4162.36	98.81944	-27.7896	-0.46331	326.0631	431.8151
5286_5286	5286	5286	-4162.35	-207.943	49.65581	-4.24594	-326.063	-431.498
5286_5287	5286	5287	4165.983	254.4111	-49.6558	4.245938	-240.525	-2222.8
5287_5287	5287	5287	-4165.78	-254.251	64.7745	8.070563	240.5248	2222.8
5287_5288	5287	5288	4167.416	300.9576	-64.7745	-8.07056	-983.412	-5415.21
5288_5288	5288	5288	-4169.19	-304.367	-41.5629	-28.7424	983.4116	5415.389
5288_5289	5288	5289	4170.317	320.6516	41.56294	28.74244	-817.211	-6670.36
5289_5289	5289	5289	-4159.43	-320.558	-35.3378	-14.1028	817.6074	6252.041

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5289_5290	5289	5290	4160.911	362.2658	35.33775	14.10281	-481.901	-9597.94
5290_5290	5290	5290	388.7415	1272.121	-29.9749	17.01	119.1553	42679.76
5290_5291	5290	5291	-369.356	-1220.09	29.97488	-17.1846	193.9494	-29870.1
5291_5291	5291	5291	326.9175	1113.143	1.995	-40.173	-188.258	29868.92
5291_5292	5291	5292	-306.706	-1061.15	-1.995	40.22288	166.6035	-17879.5
5292_5292	5292	5292	278.5637	1070.902	1.79025	40.72556	-171.842	17876.67
5292_5293	5292	5293	-262.248	-1025.6	-1.79025	-40.6928	154.4235	-7588.44
5293_5293	5293	5293	236.2408	914.0854	4.85625	-6.08475	-151.827	7587.891
5293_5294	5293	5294	-226.22	-880.639	-4.85625	6.078188	116.3964	-886.621
5294_5294	5294	5294	176.3869	887.0124	4.705313	4.815563	-113.584	1056.538
5294_5295	5294	5295	-168.873	-856.427	-4.70531	-4.81819	77.65669	6076.274
5295_5295	5295	5295	157.4042	860.2558	4.57275	-0.29138	-77.5806	-6076.62
5295_5296	5295	5296	-153.455	-827.471	-4.57275	0.291375	40.08113	13533.22
5296_5296	5296	5296	22.55138	727.5109	2.648625	23.13281	-17.2843	-12739.9
5296_5297	5296	5297	-23.5541	-710.994	-2.64863	-23.1328	6.293438	14787.17
5297_5297	5297	5297	87.25631	711.1112	2.79825	13.97288	-13.4899	-15146
5297_5298	5297	5298	-88.9521	-668.735	-2.79825	-13.9729	-12.4241	21548.11
5298_5298	5298	5298	88.96125	668.8395	2.68275	-26.4981	12.42413	-21548.1
5298_5299	5298	5299	-91.7004	-626.91	-2.68275	26.49806	-37.0125	27502.4
5299_5299	5299	5299	91.60988	527.7392	-0.07744	62.62463	37.0125	-27504.2
5299_5300	5299	5300	-94.8071	-474.372	0.077438	-62.6246	-36.1134	33368.33
5300_5300	5300	5300	94.78875	474.5081	-0.26381	-50.2819	36.11344	-33368.3
5300_5301	5300	5301	-100.057	-417.804	0.263813	50.28188	-32.8361	38927.36
5301_5301	5301	5301	100.0466	313.2938	-0.24544	76.42425	32.83613	-38930.4
5301_5302	5301	5302	-106.369	-256.07	0.245438	-76.4243	-29.7596	42525.35
5302_5302	5302	5302	106.3939	256.2079	-0.43181	-72.1114	29.75963	-42525.5
5302_5303	5302	5303	-113.972	-203.402	0.431813	72.11138	-24.7774	45217.7
5303_5303	5303	5303	113.9539	101.2318	2.144625	90.55856	24.77738	-45220.6
5303_5304	5303	5304	-122.807	-41.7034	-2.14463	-90.5586	-52.6916	46196.57
5304_5304	5304	5304	122.8658	41.84119	1.935938	-94.9174	52.69163	-46196.9
5304_5305	5304	5305	-132.052	8.697938	-1.93594	94.91738	-74.0736	46426.84
5305_5305	5305	5305	132.0008	-110.616	-0.41606	72.77156	74.07356	-46430
5305_5306	5305	5306	-142.103	165.7714	0.416063	-72.7716	-69.0546	44815.31
5306_5306	5306	5306	142.1044	-165.635	-0.57356	-63.0039	69.05456	-44815.3
5306_5307	5306	5307	-153.955	220.458	0.573563	63.00394	-62.1849	42561.55
5307_5307	5307	5307	153.9759	-324.215	2.307375	75.8415	62.18494	-42564.5
5307_5308	5307	5308	-166.249	378.5749	-2.30738	-75.8415	-89.6083	38450.63
5308_5308	5308	5308	166.2504	-378.437	2.117063	-66.0765	89.60831	-38450.6
5308_5309	5308	5309	-180.662	434.1304	-2.11706	66.0765	-115.377	33576.31
5309_5309	5309	5309	180.7037	-523.739	2.53575	49.10981	115.3766	-33578.4
5309_5310	5309	5310	-194.246	578.8571	-2.53575	-49.1098	-145.93	27003.31
5310_5310	5310	5310	194.2671	-578.719	2.35725	-43.0959	145.9303	-27003.4
5310_5311	5310	5311	-209.564	633.6081	-2.35725	43.09594	-174.206	19805.92
5311_5311	5311	5311	209.4028	-760.634	-7.33031	18.08363	174.2055	-19806.7
5311_5312	5311	5312	-232.684	818.2794	7.330313	-18.0836	-81.8462	9973.958
5312_5312	5312	5312	232.6734	-818.146	-7.55606	-21.6851	81.84619	-9974.14
5312_5313	5312	5313	-254.277	867.6951	7.556063	21.68513	0	950.8406
5400_5020	5400	5020	3527.996	-320.576	28.72406	1.13925	-463.164	-4642.55
5400_5401	5400	5401	-3529.37	325.7993	-28.7241	-1.13925	345.7296	3321.242
5401_5401	5401	5401	3525.311	-320.947	29.69531	-1.71938	-337.466	-3321.35
5401_5402	5401	5402	-3526.5	325.4003	-29.6953	1.719375	233.8744	2193.965
5402_5402	5402	5402	3533.342	-240.686	23.11969	-0.273	-235.069	-2193.84
5402_5403	5402	5403	-3537.4	254.5358	-23.1197	0.273	-17.43	-510.435
5403_5403	5403	5403	3532.85	-152.146	0.496125	-0.9975	15.08456	510.4326
5403_5404	5403	5404	-3535.81	161.196	-0.49613	0.9975	-18.6638	-1639.41
5404_5404	5404	5404	3538.567	-80.451	-2.26538	-0.13388	19.09163	1639.402
5404_5405	5404	5405	-3541.74	89.44688	2.265375	0.133875	-2.7405	-2252.63
5405_5405	5405	5405	3541.292	28.917	0.531563	-0.53156	1.536938	2252.636

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5405_5406	5405	5406	-3548.25	-11.1917	-0.53156	0.531563	-9.19275	-1963.6
5406_5406	5406	5406	3547.909	130.6266	0.570938	-0.95681	8.128313	1963.606
5406_5407	5406	5407	-3552.57	-119.89	-0.57094	0.956813	-13.1828	-854.028
5407_5407	5407	5407	3549.268	194.4915	-4.70269	0.003938	13.72875	854.0201
5407_5408	5407	5408	-3552.49	-187.484	4.702688	-0.00394	12.39263	206.8329
5408_5408	5408	5408	3522.348	-565.928	0.364875	-1.57763	-13.5056	-206.833
5408_5409	5408	5409	-3523.27	570.0161	-0.36488	1.577625	12.40313	-1507.51
5409_5409	5409	5409	3517.08	546.8019	9.198	0.315	-12.1183	1508.379
5409_5410	5409	5410	-3516.16	-542.698	-9.198	-0.315	-15.7434	141.7093
5410_5410	5410	5410	3547.644	-212.359	-2.71425	-0.04463	15.5925	-141.674
5410_5411	5410	5411	-3544.42	219.3634	2.71425	0.044625	-0.51581	-1057.14
5411_5411	5411	5411	3548.248	-144.917	0.985688	-1.13794	0.985688	1057.141
5411_5412	5411	5412	-3543.58	155.6494	-0.98569	1.137938	-9.72038	-2388.11
5412_5412	5412	5412	3551.23	-35.7407	0.211313	-0.72844	8.78325	2388.137
5412_5413	5412	5413	-3544.27	53.47125	-0.21131	0.728438	-11.8256	-3031.17
5413_5413	5413	5413	3551.611	63.54469	-1.54744	0.43575	10.82813	3031.223
5413_5414	5413	5414	-3548.44	-54.5541	1.547438	-0.43575	0.336	-2605.24
5414_5414	5414	5414	3546.269	135.5786	1.3755	-1.73119	0.387188	2605.239
5414_5415	5414	5415	-3543.31	-126.536	-1.3755	1.731188	-10.2966	-1661.48
5415_5415	5415	5415	3550.047	229.2623	-10.3543	-0.53813	11.68781	1661.482
5415_5416	5415	5416	-3545.99	-215.413	10.35431	0.538125	101.3959	766.689
5416_5416	5416	5416	3539.637	301.7346	-21.9949	-0.64838	-100.691	-766.782
5416_5417	5416	5417	-3538.45	-297.275	21.99488	0.648375	177.5235	1812.994
5417_5417	5417	5417	3543.495	294.2966	-39.1965	-1.95169	-180.642	-1812.86
5417_5036	5417	5036	-3542.12	-289.106	39.1965	1.951688	339.9414	3058.349
5420_5056	5420	5056	2928.874	-299.058	17.97731	1.248188	-198.677	-4976.27
5420_5421	5420	5421	-2930.09	303.6954	-17.9773	-1.24819	125.0642	3742.243
5421_5421	5421	5421	2925.463	-299.411	10.56825	0.00525	-121.002	-3742.26
5421_5422	5421	5422	-2926.52	303.3555	-10.5683	-0.00525	84.15488	2691.415
5422_5422	5422	5422	2932.956	-233.076	8.885625	0.443625	-84.5946	-2691.4
5422_5423	5422	5423	-2936.55	245.343	-8.88563	-0.44363	-12.4018	80.01656
5423_5423	5423	5423	2933.806	-162.766	0.811125	0.098438	10.22569	-80.0218
5423_5424	5423	5424	-2936.43	170.7943	-0.81113	-0.09844	-16.0729	-1123.04
5424_5424	5424	5424	2939.652	-101.123	-1.51594	0.618188	16.38788	1123.031
5424_5425	5424	5425	-2942.46	109.0806	1.515938	-0.61819	-5.46	-1880.56
5425_5425	5425	5425	2942.492	-13.7839	-0.25331	0.384563	5.439	1880.567
5425_5426	5425	5426	-2948.66	29.49713	0.253313	-0.38456	-1.79419	-2192.59
5426_5426	5426	5426	2948.411	70.16494	2.349375	-0.76781	1.109063	2192.598
5426_5427	5426	5427	-2952.54	-60.6598	-2.34938	0.767813	-21.9056	-1613.51
5427_5427	5427	5427	2950.684	121.0086	-4.24594	2.324438	23.51081	1613.488
5427_5428	5427	5428	-2953.56	-114.757	4.245938	-2.32444	0.091875	-958.279
5428_5428	5428	5428	2920.991	-511.119	2.287688	-0.399	-0.693	958.2838
5428_5429	5428	5429	-2921.81	514.7664	-2.28769	0.399	-6.21731	-2507.27
5429_5429	5429	5429	2923.225	523.4539	-6.54019	0.922688	6.099188	2509.911
5429_5430	5429	5430	-2922.41	-519.795	6.540188	-0.92269	13.70906	-929.967
5430_5430	5430	5430	2958.434	-111.005	1.918875	0.084	-12.0238	929.9601
5430_5431	5430	5431	-2955.56	117.2443	-1.91888	-0.084	1.372875	-1563.24
5431_5431	5431	5431	2957.405	-53.424	1.225875	0.476438	-1.52906	1563.244
5431_5432	5431	5432	-2953.27	62.93963	-1.22588	-0.47644	-9.32663	-2078.79
5432_5432	5432	5432	2955.354	35.574	-0.52369	0.326813	9.177	2078.822
5432_5433	5432	5433	-2949.18	-19.8647	0.523688	-0.32681	-1.63669	-1679.25
5433_5433	5433	5433	2950.894	116.5159	1.983188	0.37275	2.54625	1679.278
5433_5434	5433	5434	-2948.08	-108.55	-1.98319	-0.37275	-16.8551	-867.471
5434_5434	5434	5434	2944.843	175.7398	0.993563	0.286125	16.76194	867.4719
5434_5435	5434	5435	-2942.22	-167.728	-0.99356	-0.28613	-23.9124	369.0488
5435_5435	5435	5435	2944.877	253.2902	-20.6811	-1.74956	27.47981	-369.028
5435_5436	5435	5436	-2941.28	-241.008	20.68106	1.749563	198.5616	3070.259
5436_5436	5436	5436	2934.834	310.0309	-16.9129	6.973313	-199.633	-3070.18

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5436_5437	5436	5437	-2933.78	-306.089	16.91288	-6.97331	258.5717	4143.704
5437_5437	5437	5437	2938.602	310.6556	-32.6708	-1.66688	-264.194	-4144.11
5437_5072	5437	5072	-2937.38	-306.023	32.67075	1.666875	397.866	5405.68
5440_5094	5440	5094	3334.671	-276.737	13.98994	0.67725	-112.166	-3241.78
5440_5441	5440	5441	-3335.88	281.3199	-13.9899	-0.67725	54.98588	2069.268
5441_5441	5441	5441	3328.736	-277.384	6.7725	0.30975	-53.5106	-2069.27
5441_5442	5441	5442	-3329.78	281.295	-6.7725	-0.30975	29.87513	1094.418
5442_5442	5442	5442	3335.576	-201.326	3.152625	-0.18244	-30.2124	-1094.41
5442_5443	5442	5443	-3339.14	213.486	-3.15263	0.182438	-4.23019	-1171.58
5443_5443	5443	5443	3334.985	-115.543	2.058	-1.03425	2.775938	1171.585
5443_5444	5443	5444	-3337.58	123.48	-2.058	1.03425	-17.598	-2032.17
5444_5444	5444	5444	3339.532	-47.2986	-1.953	1.017188	18.43538	2032.161
5444_5445	5444	5445	-3342.31	55.188	1.953	-1.01719	-4.34831	-2401.84
5445_5445	5445	5445	3339.597	55.8285	-0.42919	0.049875	6.206813	2401.845
5445_5446	5445	5446	-3345.71	-40.2701	0.429188	-0.04988	-0.01313	-1709.27
5446_5446	5446	5446	3341.6	153.2711	2.370375	0.093188	1.155	1709.275
5446_5447	5446	5447	-3345.69	-143.851	-2.37038	-0.09319	-22.1537	-393.456
5447_5447	5447	5447	3342.029	212.6263	0.489563	-0.147	22.2495	393.4508
5447_5448	5447	5448	-3344.87	-206.43	-0.48956	0.147	-24.9703	771.3523
5448_5448	5448	5448	3322.558	-503.883	-10.1968	4.832625	27.38138	-771.364
5448_5449	5448	5449	-3323.37	507.5031	10.19681	-4.83263	3.453188	-757.845
5449_5449	5449	5449	3322.507	503.7467	11.31506	-4.98356	-3.41906	758.2168
5449_5450	5449	5450	-3321.7	-500.127	-11.3151	4.983563	-30.8057	759.9336
5450_5450	5450	5450	3342.647	-212.163	-2.30081	0.18375	29.19919	-759.906
5450_5451	5450	5451	-3339.8	218.3488	2.300813	-0.18375	-16.4299	-434.903
5451_5451	5451	5451	3343.697	-147.118	-1.44638	-0.27563	16.47844	434.9021
5451_5452	5451	5452	-3339.6	156.5406	1.446375	0.275625	-3.66844	-1779.8
5452_5452	5452	5452	3343.603	-43.5002	0.168	-0.11419	2.227313	1779.801
5452_5453	5452	5453	-3337.49	59.05988	-0.168	0.114188	-4.641	-2518.96
5453_5453	5453	5453	3339.562	51.78731	0.746813	-0.19294	3.660563	2518.967
5453_5454	5453	5454	-3336.78	-43.8992	-0.74681	0.192938	-9.04444	-2173.83
5454_5454	5454	5454	3334.858	121.4141	0.074813	0.040688	8.8935	2173.833
5454_5455	5454	5455	-3332.26	-113.467	-0.07481	-0.04069	-9.43031	-1327.12
5455_5455	5455	5455	3333.896	209.1849	-3.16575	0.048563	10.06031	1327.132
5455_5456	5455	5456	-3330.33	-197.038	3.16575	-0.04856	24.49256	889.7569
5456_5456	5456	5456	3324.577	277.6922	-6.279	-0.21	-24.2563	-889.763
5456_5457	5456	5457	-3323.53	-273.782	6.279	0.21	46.16456	1851.885
5457_5457	5457	5457	3330.772	280.14	-14.2721	-0.64575	-47.3773	-1851.86
5457_5110	5457	5110	-3329.56	-275.545	14.27213	0.64575	105.8387	3019.852
5460_5132	5460	5132	2828.713	-296.431	-8.91188	-1.40306	295.6275	-4991.32
5460_5461	5460	5461	-2829.92	301.035	8.911875	1.403063	-259.051	3619.828
5461_5461	5461	5461	2823.727	-297.667	-23.3822	1.20225	249.0167	-3619.8
5461_5462	5461	5462	-2824.77	301.5744	23.38219	-1.20225	-167.458	2574.688
5462_5462	5462	5462	2831.213	-233.71	-20.8517	-0.45806	168.1299	-2574.64
5462_5463	5462	5463	-2834.77	245.8641	20.85169	0.458063	59.58225	-43.9254
5463_5463	5463	5463	2821.531	-158.862	0.6405	1.048688	-55.3928	43.77975
5463_5464	5463	5464	-2824.13	166.8069	-0.6405	-1.04869	50.78063	-1217.36
5464_5464	5464	5464	2827.229	-101.15	8.550938	-1.22194	-51.9593	1217.31
5464_5465	5464	5465	-2830.01	109.0373	-8.55094	1.221938	-9.70725	-1975.2
5465_5465	5465	5465	2809.881	-1.029	-0.504	-0.105	8.990625	1975.137
5465_5466	5465	5466	-2815.99	16.58081	0.504	0.105	-1.72856	-2102
5466_5466	5466	5466	2781.887	105.1654	-1.91625	0.628688	2.73525	2102.134
5466_5467	5466	5467	-2785.98	-95.7482	1.91625	-0.62869	14.23013	-1212.64
5467_5467	5467	5467	2783.423	152.9955	3.34425	-1.31381	-15.2408	1212.625
5467_5468	5467	5468	-2786.27	-146.801	-3.34425	1.313813	-3.34819	-379.532
5468_5468	5468	5468	2722.641	-396.96	1.115625	-0.72188	3.163125	379.5278
5468_5469	5468	5469	-2723.45	400.5789	-1.11563	0.721875	-6.53625	-1585.04
5469_5469	5469	5469	2712.857	395.1124	0.044625	0.60375	-16.1713	1556.054

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5469_5470	5469	5470	-2712.05	-391.494	-0.04463	-0.60375	16.03744	-367.068
5470_5470	5470	5470	2775.482	-150.143	2.42025	-0.70744	-15.5269	367.0944
5470_5471	5470	5471	-2772.64	156.3384	-2.42025	0.707438	2.077688	-1218.77
5471_5471	5471	5471	2775.309	-98.0516	0.324188	0.244125	-2.48588	1218.764
5471_5472	5471	5472	-2771.22	107.4793	-0.32419	-0.24413	-0.38325	-2129.65
5472_5472	5472	5472	2807.292	10.99875	0.417375	-0.10763	-0.55125	2129.516
5472_5473	5472	5473	-2801.18	4.553063	-0.41738	0.107625	-5.4705	-2083.08
5473_5473	5473	5473	2824.736	99.6345	-0.80456	-0.14044	4.050375	2083.109
5473_5474	5473	5474	-2821.95	-91.7477	0.804563	0.140438	1.749563	-1393.04
5474_5474	5474	5474	2819.058	157.3136	-1.00144	0	-1.785	1393.039
5474_5475	5474	5475	-2816.46	-149.369	1.001438	0	9.006375	-287.863
5475_5475	5475	5475	2832.358	233.016	4.50975	-0.01706	-9.95794	287.8667
5475_5476	5475	5476	-2828.8	-220.861	-4.50975	0.017063	-39.2923	2190.543
5476_5476	5476	5476	2822.682	288.6673	5.621438	-0.0735	39.04425	-2190.55
5476_5477	5476	5477	-2821.64	-284.759	-5.62144	0.0735	-58.6517	3190.697
5477_5477	5477	5477	2827.246	289.0742	1.596	0.405563	62.62988	-3190.61
5477_5148	5477	5148	-2826.04	-284.482	-1.596	-0.40556	-69.1661	4364.943
5480_5168	5480	5168	2736.908	-314.673	3.63825	0.08925	9.477563	-5800.56
5480_5481	5480	5481	-2738.12	319.2669	-3.63825	-0.08925	-24.3771	4502.558
5481_5481	5481	5481	2734.037	-316.96	-6.08213	-6.32756	19.89094	-4502.45
5481_5482	5481	5482	-2735.08	320.8682	6.082125	6.327563	1.323	3390.001
5482_5482	5482	5482	2742.063	-254.469	0.468563	2.03175	0.964688	-3390.01
5482_5483	5482	5483	-2745.62	266.6108	-0.46856	-2.03175	-6.07819	547.1353
5483_5483	5483	5483	2748.582	-186.152	-2.09081	0.465938	6.027	-547.147
5483_5484	5483	5484	-2751.18	194.0964	2.090813	-0.46594	9.039188	-823.132
5484_5484	5484	5484	2754.948	-130.112	1.8585	-0.52369	-9.44869	823.1265
5484_5485	5484	5485	-2757.73	137.9989	-1.8585	0.523688	-3.94931	-1789.87
5485_5485	5485	5485	2751.795	-35.3771	-0.24544	-0.042	4.639688	1789.922
5485_5486	5485	5486	-2757.91	50.94075	0.245438	0.042	-1.09988	-2412.2
5486_5486	5486	5486	2739.438	68.69363	-2.64338	0.273	0.846563	2412.358
5486_5487	5486	5487	-2743.53	-59.2764	2.643375	-0.273	22.56056	-1845.79
5487_5487	5487	5487	2741.735	115.6719	-0.61819	-0.59981	-23.1643	1845.787
5487_5488	5487	5488	-2744.58	-109.478	0.618188	0.599813	26.60175	-1220.12
5488_5488	5488	5488	2687.21	-428.588	-1.23113	-0.87413	-27.8657	1220.174
5488_5489	5488	5489	-2688.02	432.2063	1.231125	0.874125	31.58794	-2521.3
5489_5489	5489	5489	2688.975	433.7616	-2.78906	1.329563	18.816	2523.179
5489_5490	5489	5490	-2688.17	-430.143	2.789063	-1.32956	-10.3845	-1217.35
5490_5490	5490	5490	2750.766	-108.909	0.731063	-0.68775	9.863438	1217.324
5490_5491	5490	5491	-2747.92	115.1036	-0.73106	0.68775	-13.923	-1839.83
5491_5491	5491	5491	2749.706	-58.5808	-1.29938	0.37275	13.32056	1839.83
5491_5492	5491	5492	-2745.61	67.998	1.299375	-0.37275	-1.82044	-2400.23
5492_5492	5492	5492	2768.912	51.09169	-0.34913	0.001313	1.098563	2400.312
5492_5493	5492	5493	-2762.8	-35.5268	0.349125	-0.00131	3.9375	-1775.86
5493_5493	5493	5493	2774.343	138.0645	1.77975	-0.50925	-3.60019	1775.872
5493_5494	5493	5494	-2771.56	-130.179	-1.77975	0.50925	-9.23869	-808.647
5494_5494	5494	5494	2767.787	194.5479	-2.19188	0.464625	8.83575	808.6523
5494_5495	5494	5495	-2765.19	-186.605	2.191875	-0.46463	6.962813	564.8869
5495_5495	5495	5495	2769.53	268.0335	1.085438	2.03175	-7.39856	-564.869
5495_5496	5495	5496	-2765.97	-255.88	-1.08544	-2.03175	-4.45725	3425.713
5496_5496	5496	5496	2759.031	322.1466	-5.49413	-6.51	6.758063	-3425.7
5496_5497	5496	5497	-2757.99	-318.239	5.494125	6.51	12.40969	4542.612
5497_5497	5497	5497	2761.629	320.7724	3.4545	0.182438	-16.9509	-4542.7
5497_5184	5497	5184	-2760.42	-316.18	-3.4545	-0.18244	2.804813	5963.798
5500_5204	5500	5204	3189.257	-322.493	-1.03425	0.522375	-61.4723	-5446.21
5500_5501	5500	5501	-3190.69	327.9242	1.03425	-0.52238	65.70638	4060.582
5501_5501	5501	5501	3188.157	-324.068	6.012563	0.422625	-61.8634	-4060.72
5501_5502	5501	5502	-3189.39	328.6907	-6.01256	-0.42263	40.887	2922.2
5502_5502	5502	5502	3196.361	-252.076	4.757813	0.228375	-41.2099	-2922.2

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5502_5503	5502	5503	-3200.57	266.4506	-4.75781	-0.22838	-10.7481	90.76331
5503_5503	5503	5503	3198.188	-175.511	-2.81794	0.977813	10.63781	-90.7528
5503_5504	5503	5504	-3201.26	184.9063	2.817938	-0.97781	9.673125	-1208.06
5504_5504	5504	5504	3204.693	-110.467	1.7955	-0.55781	-10.269	1208.059
5504_5505	5504	5505	-3207.98	119.7932	-1.7955	0.557813	-2.68144	-2038.32
5505_5505	5505	5505	3205.983	-15.6699	-0.46331	0.273	3.528	2038.292
5505_5506	5505	5506	-3213.21	34.07775	0.463313	-0.273	3.15	-2396.93
5506_5506	5506	5506	3210.375	73.91606	1.35975	0.731063	-3.58444	2396.961
5506_5507	5506	5507	-3215.22	-62.7782	-1.35975	-0.73106	-8.45906	-1791.77
5507_5507	5507	5507	3213.245	128.8704	3.731438	-0.74156	7.875	1791.774
5507_5508	5507	5508	-3216.58	-121.606	-3.73144	0.741563	-28.6125	-1095.73
5508_5508	5508	5508	3174.516	-560.014	-4.26694	2.396625	30.261	1095.65
5508_5509	5508	5509	-3175.47	564.2569	4.266938	-2.39663	-17.3618	-2795.03
5509_5509	5509	5509	3175.508	564.5876	-3.06863	-2.12363	17.30006	2794.729
5509_5510	5509	5510	-3174.56	-560.344	3.068625	2.123625	-8.022	-1094.35
5510_5510	5510	5510	3212.761	-121.175	3.089625	-1.64588	8.603438	1094.356
5510_5511	5510	5511	-3209.42	128.4399	-3.08963	1.645875	-25.7749	-1788
5511_5511	5511	5511	3211.386	-62.4409	-2.93606	1.151063	24.28913	1788.023
5511_5512	5511	5512	-3206.54	73.57875	2.936063	-1.15106	1.704938	-2390.22
5512_5512	5512	5512	3205.574	34.503	-0.01313	0.034125	-0.41606	2390.242
5512_5513	5512	5513	-3198.34	-16.0952	0.013125	-0.03413	0.602438	-2025.46
5513_5513	5513	5513	3196.092	120.2342	2.684063	-0.52763	-0.30713	2025.483
5513_5514	5513	5514	-3192.8	-110.906	-2.68406	0.527625	-19.047	-1192.04
5514_5514	5514	5514	3189.442	183.6936	-1.86769	0.77175	18.46163	1192.053
5514_5515	5514	5515	-3186.37	-174.311	1.867688	-0.77175	-5.01506	96.36375
5515_5515	5515	5515	3186.28	266.4244	-8.4945	1.043438	5.637188	-96.3638
5515_5516	5515	5516	-3182.07	-252.05	8.4945	-1.04344	87.129	2927.481
5516_5516	5516	5516	3175.091	328.3101	-13.2484	-1.3755	-85.8743	-2927.52
5516_5517	5516	5517	-3173.86	-323.689	13.24838	1.3755	132.09	4064.681
5517_5517	5517	5517	3175.674	326.4699	-54.5514	-3.77081	-122.908	-4064.68
5517_5220	5517	5220	-3174.24	-321.038	54.55144	3.770813	346.2782	5390.361
5520_5240	5520	5240	2939.982	-668.8	175.6322	8.096813	-1711.85	-10976.9
5520_5521	5520	5521	-2941.7	679.9118	-175.632	-8.09681	513.2807	6374.911
5521_5521	5521	5521	3025.07	-372.478	48.54019	12.54488	-504.465	-6386.58
5521_5522	5521	5522	-3026.55	378.042	-48.5402	-12.5449	334.8148	5075.027
5522_5522	5522	5522	3035.133	-303.304	35.66588	-1.38731	-340.904	-5074.64
5522_5523	5522	5523	-3040.19	320.5637	-35.6659	1.387313	-48.4247	1669.551
5523_5523	5523	5523	3050.258	-246.83	1.008	0.736313	42.54731	-1668.53
5523_5524	5523	5524	-3053.95	258.1123	-1.008	-0.73631	-49.8041	-150.428
5524_5524	5524	5524	3059.098	-187.264	-8.75831	0.072188	49.98131	150.3705
5524_5525	5524	5525	-3063.05	198.4658	8.758313	-0.07219	13.17094	-1540.98
5525_5525	5525	5525	3067.705	-112.597	-1.78106	-0.04069	-15.3549	1540.074
5525_5526	5525	5526	-3076.39	134.7058	1.781063	0.040688	41.034	-3322.79
5526_5526	5526	5526	3085.521	-40.3148	1.071	-2.331	-39.3448	3319.823
5526_5527	5526	5527	-3091.34	53.70225	-1.071	2.331	29.85544	-3736.3
5527_5527	5527	5527	3091.781	11.49094	-2.46225	2.562	-27.9379	3736.319
5527_5528	5527	5528	-3095.76	-2.83894	2.46225	-2.562	41.61675	-3696.52
5528_5528	5528	5528	3038.432	-655.116	-4.2	-9.21506	-36.5741	3693.362
5528_5529	5528	5529	-3039.56	660.1744	4.2	9.215063	49.27388	-5681.77
5529_5529	5529	5529	3038.649	658.1059	-0.20081	5.939063	-48.5415	5676.5
5529_5530	5529	5530	-3037.52	-653.049	0.200813	-5.93906	49.14919	-3694.88
5530_5530	5530	5530	3104.339	-1.17338	13.63556	-5.38913	-52.7244	3691.887
5530_5531	5530	5531	-3100.36	9.829313	-13.6356	5.389125	-23.0357	-3722.45
5531_5531	5531	5531	3099.922	54.45956	7.263375	1.845375	19.56806	3722.474
5531_5532	5531	5532	-3094.11	-41.0799	-7.26338	-1.84538	-83.8884	-3299.47
5532_5532	5532	5532	3094.823	147.0564	-2.226	-0.68513	80.56913	3298.032
5532_5533	5532	5533	-3086.14	-124.94	2.226	0.685125	-48.4759	-1336.67
5533_5533	5533	5533	3079.997	228.5561	-4.06744	0.790125	47.4915	1336.309

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5533_5534	5533	5534	-3076.04	-217.353	4.067438	-0.79013	-18.1598	271.4762
5534_5534	5534	5534	3070.148	288.8891	-6.23438	0.170625	18.23719	-271.472
5534_5535	5534	5535	-3066.46	-277.602	6.234375	-0.17063	26.7015	2313.049
5535_5535	5535	5535	3059.426	369.8336	31.69556	3.038438	-22.1721	-2311.37
5535_5536	5535	5536	-3054.37	-352.566	-31.6956	-3.03844	-323.974	6256.075
5536_5536	5536	5536	3045.15	424.8366	32.38594	-3.16444	323.5601	-6256.1
5536_5537	5536	5537	-3043.67	-419.29	-32.3859	3.164438	-436.405	7726.756
5537_5537	5537	5537	3063.254	418.9487	-84.1404	-131.555	450.4828	-7746.48
5537_5254	5537	5254	-3061.54	-412.423	84.14044	131.5545	-105.931	9543.184
5540_5278	5540	5278	4703.571	-433.241	56.06869	140.9205	-291.681	-5411.05
5540_5541	5540	5541	-4705.42	440.2506	-56.0687	-140.921	62.43038	3625.319
5541_5541	5541	5541	4721.422	-432.457	8.5155	4.512375	-59.7266	-3680.6
5541_5542	5541	5542	-4723.02	438.4446	-8.5155	-4.51238	29.96831	2158.856
5542_5542	5542	5542	4732.355	-322.5	-1.04475	0.796688	-31.1522	-2158.84
5542_5543	5542	5543	-4737.8	341.0794	1.04475	-0.79669	42.55388	-1464.07
5543_5543	5543	5543	4748.785	-206.007	4.815563	-6.615	-47.6858	1458.005
5543_5544	5543	5544	-4752.76	218.1533	-4.81556	6.615	12.97669	-2986.59
5544_5544	5544	5544	4756.575	-106.011	-8.35013	2.025188	-10.185	2986.604
5544_5545	5544	5545	-4760.83	118.0541	8.350125	-2.02519	70.34475	-3793.77
5545_5545	5545	5545	4747.868	34.55681	1.315125	-2.52394	-72.3398	3787.174
5545_5546	5545	5546	-4757.21	-10.7651	-1.31513	2.523938	53.38069	-3460.47
5546_5546	5546	5546	4735.274	168.2979	14.868	-2.27063	-53.0552	3455.962
5546_5547	5546	5547	-4741.53	-153.901	-14.868	2.270625	-78.5899	-2029.5
5547_5547	5547	5547	4737.425	250.5576	7.945875	-0.97781	79.85644	2029.447
5547_5548	5547	5548	-4741.69	-241.261	-7.94588	0.977813	-124.034	-662.238
5548_5548	5548	5548	4691.227	-759.128	-25.1843	0.527625	129.8955	652.1484
5548_5549	5548	5549	-4692.44	764.5549	25.18425	-0.52763	-53.7692	-2955.03
5549_5549	5549	5549	4717.777	789.5961	-21.3688	-3.88763	54.69056	2959.84
5549_5550	5549	5550	-4716.53	-784.262	21.36881	3.887625	8.9355	-616.72
5550_5550	5550	5550	4743.632	-248.315	17.8605	-3.19988	-7.15838	617.2071
5550_5551	5550	5551	-4739.13	257.712	-17.8605	3.199875	-94.0131	-2050.4
5551_5551	5551	5551	4743.771	-150.364	7.68075	-0.99094	91.95506	2050.498
5551_5552	5551	5552	-4737.62	163.9706	-7.68075	0.990938	-156.651	-3374.22
5552_5552	5552	5552	4734.01	15.6345	0.03675	-2.56988	154.8881	3373.258
5552_5553	5552	5553	-4724.65	7.493063	-0.03675	2.569875	-155.403	-3315.97
5553_5553	5553	5553	4725.39	161.2564	-9.33581	-1.27575	153.3551	3314.794
5553_5554	5553	5554	-4721.15	-149.515	9.335813	1.27575	-87.6225	-2220.73
5554_5554	5554	5554	4715.731	270.9053	-14.6698	-0.96731	86.71031	2220.77
5554_5555	5554	5555	-4711.79	-259.052	14.66981	0.967313	16.63331	-354.107
5555_5555	5555	5555	4724.635	414.9626	-26.6175	2.657813	-15.1646	354.5246
5555_5556	5555	5556	-4719.33	-396.827	26.6175	-2.65781	298.8458	3971.272
5556_5556	5556	5556	4706.391	527.9492	-37.9877	1.082813	-296.062	-3971.48
5556_5557	5556	5557	-4704.85	-522.071	37.98769	-1.08281	426.3079	5771.507
5557_5557	5557	5557	4688.325	523.5471	2.142	-23.4321	-430.472	-5779.96
5557_5290	5557	5290	-4685.88	-514.121	-2.142	23.43206	418.7098	8716.173
45000_5000	45000	5000	8.8725	592.4874	-0.55125	6.155625	0	47.23294
45000_5001	45000	5001	-8.8725	-543.792	0.55125	-6.15563	7.010063	7181.067
45001_5001	45001	5001	8.871188	543.7924	-0.56306	-3.49256	-7.01006	-7181.07
45001_5002	45001	5002	-8.87119	-505.957	0.563063	3.492563	12.57506	12369.9
45002_5002	45002	5002	8.881688	443.0488	0.836063	14.40731	-12.5751	-12370.1
45002_5003	45002	5003	-8.88169	-396.568	-0.83606	-14.4073	2.416313	17468.44
45003_5003	45003	5003	8.883	396.5679	0.822938	-12.2561	-2.41631	-17468.4
45003_5004	45003	5004	-8.883	-350.134	-0.82294	12.25613	-7.56656	21997.94
45004_5004	45004	5004	8.879063	289.9693	0.60375	12.0435	7.566563	-21998.3
45004_5005	45004	5005	-8.87906	-243.508	-0.60375	-12.0435	-14.9008	25236.31
45005_5005	45005	5005	8.879063	243.5081	0.595875	-11.2127	14.90081	-25236.3
45005_5006	45005	5006	-8.87906	-197.013	-0.59588	11.21269	-22.1419	27912.04
45006_5006	45006	5006	8.876438	133.7556	-0.12075	23.91506	22.14188	-27912.4

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45006_5007	45006	5007	-8.87644	-87.3049	0.12075	-23.9151	-20.6811	29253.89
45007_5007	45007	5007	8.876438	87.30488	-0.13519	-23.9177	20.68106	-29253.9
45007_5008	45007	5008	-8.87644	-40.8621	0.135188	23.91769	-19.0457	30031.5
45008_5008	45008	5008	8.884313	-20.4908	0.805875	23.69981	19.04569	-30031.8
45008_5009	45008	5009	-8.88431	66.96638	-0.80588	-23.6998	-28.8343	29500.81
45009_5009	45009	5009	8.885625	-66.9664	0.791438	-24.5267	28.83431	-29500.8
45009_5010	45009	5010	-8.88563	113.4328	-0.79144	24.52669	-38.4444	28405.74
45010_5010	45010	5010	8.881688	-174.834	-0.12075	-0.78488	38.44444	-28406.3
45010_5011	45010	5011	-8.88169	221.2901	0.12075	0.784875	-36.9863	26002.17
45011_5011	45011	5011	8.881688	-221.29	-0.12075	-0.78488	36.98625	-26002.2
45011_5012	45011	5012	-8.88169	267.7474	0.12075	0.784875	-35.5281	23034.17
45012_5012	45012	5012	8.884313	-326.889	0.275625	5.697563	35.52806	-23034.6
45012_5013	45012	5013	-8.88431	373.3695	-0.27563	-5.69756	-38.8815	18782.44
45013_5013	45013	5013	8.884313	-373.37	0.270375	-7.85269	38.8815	-18782.4
45013_5014	45013	5014	-8.88431	419.8084	-0.27038	7.852688	-42.1536	13970.48
45014_5014	45014	5014	8.88825	-481.815	0.765188	1.867688	42.15356	-13970.6
45014_5015	45014	5015	-8.88825	543.6204	-0.76519	-1.86769	-54.5134	5690.916
45015_5015	45015	5015	15.06225	-543.485	0.758625	-3.31931	54.47925	-5685.41
45015_5016	45015	5016	-15.3969	573.0034	-0.75863	3.319313	-60.7451	1076.984
45016_5016	45016	5016	30.77944	-627.97	-0.378	-2.23781	72.64819	-2048.99
45016_5017	45016	5017	-32.1615	670.0824	0.378	2.237813	-68.2041	-5912.2
45017_5017	45017	5017	50.90138	-668.921	-0.38719	0.896438	68.42194	5912.193
45017_5018	45017	5018	-54.0081	719.9679	0.387188	-0.89644	-63.273	-15099.4
45018_5018	45018	5018	79.38656	-774.941	-0.02888	-11.5802	62.31881	15099.27
45018_5019	45018	5019	-83.8911	825.4011	0.028875	11.58019	-61.95	-25079.7
45019_5019	45019	5019	106.533	-822.785	-0.03938	10.68375	64.41225	25079.65
45019_5020	45019	5020	-112.826	876.5571	0.039375	-10.6838	-63.9174	-35525.4
45020_5020	45020	5020	-3285.59	276.7157	-19.8083	-2.39531	490.5311	7672.913
45020_5021	45020	5021	3285.585	-241.853	19.80825	2.395313	-302.426	-5210.75
45021_5021	45021	5021	-3285.59	241.8531	-19.2872	-1.56844	302.4263	5210.746
45021_5022	45021	5022	3285.589	-216.146	19.28719	1.568438	-152.845	-3434.71
45022_5022	45022	5022	-3285.61	216.1464	-15.5282	2.361188	152.8446	3434.71
45022_5023	45022	5023	3285.609	-190.478	15.52819	-2.36119	-32.5802	-1860.14
45023_5023	45023	5023	-3285.64	132.3998	-8.10075	0.208688	32.58019	1860.133
45023_5024	45023	5024	3285.642	-105.87	8.10075	-0.20869	32.26388	-906.55
45024_5024	45024	5024	-3285.63	105.8702	-12.6197	-1.03819	-32.2639	906.549
45024_5025	45024	5025	3285.627	-79.3708	12.61969	1.038188	133.161	-166.019
45025_5025	45025	5025	-3285.65	79.37081	-4.01888	-0.60375	-133.161	166.0221
45025_5026	45025	5026	3285.648	-52.8439	4.018875	0.60375	165.3212	363.0454
45026_5026	45026	5026	-3285.65	-9.28725	-3.20119	-0.63	-165.321	-363.045
45026_5027	45026	5027	3285.653	29.18081	3.201188	0.63	184.5336	247.6018
45027_5027	45027	5027	-3285.65	-29.1808	-3.76688	-0.588	-184.534	-247.602
45027_5028	45027	5028	3285.652	49.04156	3.766875	0.588	207.1086	13.24181
45028_5028	45028	5028	-3285.65	-49.0416	-3.20119	-0.59063	-207.109	-13.2418
45028_5029	45028	5029	3285.653	68.93513	3.201188	0.590625	226.3209	-340.813
45029_5029	45029	5029	-3285.65	-68.9351	2.244375	-0.02494	-226.321	340.8143
45029_5030	45029	5030	3285.653	88.82606	-2.24438	0.024938	212.8494	-814.182
45030_5030	45030	5030	-3285.67	-150.556	1.479188	-2.18269	-212.849	814.1464
45030_5031	45030	5031	3285.667	177.0759	-1.47919	2.182688	201.0133	-2124.85
45031_5031	45031	5031	-3285.66	-177.076	5.565	0.460688	-201.013	2124.854
45031_5032	45031	5032	3285.663	203.5911	-5.565	-0.46069	156.492	-3647.54
45032_5032	45032	5032	-3285.66	-203.591	5.565	0.460688	-156.492	3647.54
45032_5033	45032	5033	3285.663	230.1075	-5.565	-0.46069	111.9694	-5382.36
45033_5033	45033	5033	-3285.6	-289.177	16.07025	-3.54638	-111.969	5382.497
45033_5034	45033	5034	3285.601	314.8556	-16.0703	3.546375	-12.5304	-7722.33
45034_5034	45034	5034	-3285.6	-314.856	16.07025	-3.54638	12.53044	7722.329
45034_5035	45034	5035	3285.601	340.5334	-16.0703	3.546375	-137.032	-10261.1
45035_5035	45035	5035	-3285.58	-340.533	19.36463	6.742313	137.0316	10261.1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45035_5036	45035	5036	3285.584	375.3186	-19.3646	-6.74231	-320.505	-13925.4
45036_5036	45036	5036	134.9762	728.1383	1.001438	-40.1468	0.2205	44195.86
45036_5037	45036	5037	-128.683	-674.267	-1.00144	40.14675	-12.8586	-35178.1
45037_5037	45037	5037	110.1673	677.5388	0.891188	36.23156	4.916625	35178.12
45037_5038	45037	5038	-105.663	-627	-0.89119	-36.2316	-16.107	-26827.8
45038_5038	45038	5038	84.95813	579.1039	-0.336	-6.70425	19.70456	26828.84
45038_5039	45038	5039	-81.8514	-528.117	0.336	6.70425	-15.2526	-19525.9
45039_5039	45039	5039	89.92856	422.121	-0.59063	2.938688	17.67281	4033
45039_5040	45039	5040	-88.5623	-380.456	0.590625	-2.93869	-10.7363	833.3434
45040_5040	45040	5040	79.779	327.3283	0.014438	1.736438	10.80713	-833.316
45040_5041	45040	5041	-79.4509	-298.426	-0.01444	-1.73644	-10.9292	3583.607
45041_5041	45041	5041	76.0515	299.3091	-0.03675	-0.651	10.94888	-3583.61
45041_5042	45041	5042	-76.0515	-249.916	0.03675	0.651	-10.3793	7698.839
45042_5042	45042	5042	76.05413	191.1538	0.102375	-0.01969	10.37925	-7698.94
45042_5043	45042	5043	-76.0541	-153.691	-0.10238	0.019688	-11.6051	9755.307
45043_5043	45043	5043	76.05413	153.6911	0.102375	-0.01969	11.60513	-9755.31
45043_5044	45043	5044	-76.0541	-116.227	-0.10238	0.019688	-12.831	11364.87
45044_5044	45044	5044	76.05413	57.21713	-0.09319	-0.46988	12.831	-11365.1
45044_5045	45044	5045	-76.0541	-19.7295	0.093188	0.469875	-11.7259	11824.18
45045_5045	45045	5045	76.05413	19.7295	-0.08663	0.378	11.72588	-11824.2
45045_5046	45045	5046	-76.0541	17.72531	0.086625	-0.378	-10.6864	11836.13
45046_5046	45046	5046	76.05544	-77.0162	0.219188	8.516813	10.68638	-11836.3
45046_5047	45046	5047	-76.0554	114.4973	-0.21919	-8.51681	-13.3009	10693.72
45047_5047	45047	5047	76.05675	-114.497	0.097125	-8.61	13.30088	-10693.7
45047_5048	45047	5048	-76.0568	151.9429	-0.09713	8.61	-14.4598	9105.688
45048_5048	45048	5048	76.05544	-210.433	-0.19425	5.280188	14.45981	-9105.8
45048_5049	45048	5049	-76.0554	247.9076	0.19425	-5.28019	-12.1446	6371.915
45049_5049	45049	5049	76.05413	-247.908	-0.32156	-5.36813	12.14456	-6371.91
45049_5050	45049	5050	-76.0541	285.3756	0.321563	5.368125	-8.31338	3191.444
45050_5050	45050	5050	76.05938	-344.151	0.496125	-1.00406	8.313375	-3191.48
45050_5051	45050	5051	-76.0594	393.4967	-0.49613	1.004063	-16.1096	-2940.69
45051_5051	45051	5051	80.5245	-392.608	0.3885	2.480625	16.1385	2940.69
45051_5052	45051	5052	-80.8277	419.328	-0.3885	-2.48063	-19.3502	-6310.95
45052_5052	45052	5052	91.6335	-473.268	-0.04856	-8.27925	19.05881	6310.885
45052_5053	45052	5053	-92.8935	511.6598	0.048563	8.27925	-18.4958	-12092.2
45053_5053	45053	5053	110.5834	-516.192	-0.19294	13.545	30.35025	12746.6
45053_5054	45053	5054	-113.596	565.4723	0.192938	-13.545	-27.783	-20137.5
45054_5054	45054	5054	134.2254	-615.843	-0.27431	-21.0919	25.1265	20137.28
45054_5055	45054	5055	-138.579	664.5713	0.274313	21.09188	-21.6864	-27861.4
45055_5055	45055	5055	156.8831	-660.489	-0.40031	22.02113	26.22113	27861.38
45055_5056	45055	5056	-162.944	712.1743	0.400313	-22.0211	-21.1877	-36222.1
45056_5056	45056	5056	-2965.4	325.4606	-13.9335	-0.16275	305.3033	10459.78
45056_5057	45056	5057	2965.4	-291.687	13.9335	0.16275	-173.026	-7530.28
45057_5057	45057	5057	-2965.39	291.6874	-15.1187	-2.88356	173.0256	7473.69
45057_5058	45057	5058	2965.393	-264.723	15.11869	2.883563	-55.8653	-5317.73
45058_5058	45058	5058	-2965.41	264.7234	-11.3006	3.962438	55.86525	5317.726
45058_5059	45058	5059	2965.41	-237.762	11.30063	-3.96244	31.70344	-3370.89
45059_5059	45059	5059	-2965.41	182.2091	-11.2455	-3.06994	-31.7034	3370.895
45059_5060	45059	5060	2965.407	-154.34	11.2455	3.069938	121.7751	-2023.09
45060_5060	45060	5060	-2965.43	154.3395	-4.10813	1.80075	-121.775	2023.088
45060_5061	45060	5061	2965.426	-126.511	4.108125	-1.80075	154.6296	-899.934
45061_5061	45061	5061	-2965.43	126.5106	-4.10813	1.80075	-154.63	899.934
45061_5062	45061	5062	2965.426	-98.6803	4.108125	-1.80075	187.4841	0.631312
45062_5062	45062	5062	-2965.43	39.97219	-2.16956	0.416063	-187.484	-0.56306
45062_5063	45062	5063	2965.434	-19.0838	2.169563	-0.41606	200.5093	177.828
45063_5063	45063	5063	-2965.43	19.08375	-2.499	0.43575	-200.509	-177.828
45063_5064	45063	5064	2965.434	1.770563	2.499	-0.43575	215.4889	229.7111
45064_5064	45064	5064	-2965.43	-1.77056	2.758875	0.028875	-215.489	-229.712

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45064_5065	45064	5065	2965.434	22.65638	-2.75888	-0.02888	198.9251	156.4014
45065_5065	45065	5065	-2965.43	-22.6564	2.758875	0.028875	-198.925	-156.401
45065_5066	45065	5066	2965.434	43.54219	-2.75888	-0.02888	182.3601	-42.2822
45066_5066	45066	5066	-2965.44	-102.245	5.398313	-0.66938	-182.36	42.441
45066_5067	45066	5067	2965.439	130.0674	-5.39831	0.669375	139.1906	-971.257
45067_5067	45067	5067	-2965.44	-130.067	5.398313	-0.66938	-139.191	971.2566
45067_5068	45067	5068	2965.439	157.8898	-5.39831	0.669375	96.01988	-2122.55
45068_5068	45068	5068	-2965.43	-157.89	9.331875	2.145938	-96.0199	2122.547
45068_5069	45068	5069	2965.43	185.745	-9.33188	-2.14594	21.31369	-3498.06
45069_5069	45069	5069	-2965.41	-240.93	11.92013	-6.85125	-21.3137	3498.193
45069_5070	45069	5070	2965.406	267.8786	-11.9201	6.85125	-71.0089	-5468.53
45070_5070	45070	5070	-2965.39	-267.879	15.97444	0.62475	71.00888	5468.53
45070_5071	45070	5071	2965.388	294.8584	-15.9744	-0.62475	-194.877	-7650.34
45071_5071	45071	5071	-2965.38	-294.858	17.73844	5.513813	194.8774	7706.923
45071_5072	45071	5072	2965.377	328.6448	-17.7384	-5.51381	-363.337	-10667.7
45072_5072	45072	5072	161.1724	703.8098	0.186375	-21.8663	20.33588	36475.57
45072_5073	45072	5073	-155.111	-652.13	-0.18638	21.86625	-22.68	-27945.1
45073_5073	45073	5073	137.0486	656.1634	0.061688	21.96994	18.09413	27945.08
45073_5074	45073	5074	-132.695	-607.451	-0.06169	-21.9699	-18.8659	-20018.2
45074_5074	45074	5074	112.7149	564.1178	0.800625	-1.03163	20.84775	20018.84
45074_5075	45074	5075	-109.703	-514.823	-0.80063	1.031625	-31.4816	-12859.1
45075_5075	45075	5075	85.50938	410.6708	-0.27431	-2.35856	16.41675	-3380.71
45075_5076	45075	5076	-84.2914	-373.524	0.274313	2.358563	-13.188	7988.736
45076_5076	45076	5076	75.70763	325.8964	-0.06825	7.273875	13.02131	-7988.91
45076_5077	45076	5077	-75.4149	-300.066	0.06825	-7.27388	-12.4583	10571.8
45077_5077	45077	5077	72.00113	300.9038	-0.1575	-5.99288	12.53963	-10592.8
45077_5078	45077	5078	-72.0011	-253.576	0.1575	5.992875	-10.2966	14546.27
45078_5078	45078	5078	72.00244	202.0134	0.0315	15.09506	10.29656	-14546.5
45078_5079	45078	5079	-72.0024	-164.792	-0.0315	-15.0951	-10.6509	16603.36
45079_5079	45079	5079	72.00244	164.7923	-0.09713	-14.4769	10.65094	-16603.4
45079_5080	45079	5080	-72.0024	-127.576	0.097125	14.47688	-9.5655	18242.67
45080_5080	45080	5080	72.00375	76.13025	0.128625	17.10056	9.5655	-18242.8
45080_5081	45080	5081	-72.0038	-38.913	-0.12863	-17.1006	-11.0145	18887.89
45081_5081	45081	5081	72.00375	38.913	0.001313	-16.5467	11.0145	-18887.9
45081_5082	45081	5082	-72.0038	-1.69969	-0.00131	16.54669	-11.0237	19115.59
45082_5082	45082	5082	72.00375	-51.4644	-0.08925	0.44625	11.02369	-19116
45082_5083	45082	5083	-72.0038	91.43269	0.08925	-0.44625	-9.9435	18255.53
45083_5083	45083	5083	72.00375	-91.4327	-0.09188	-0.25725	9.9435	-18255.5
45083_5084	45083	5084	-72.0038	131.4338	0.091875	0.25725	-8.8305	16912.42
45084_5084	45084	5084	72.00375	-184.968	-0.08663	12.9885	8.8305	-16912.7
45084_5085	45084	5085	-72.0038	222.1761	0.086625	-12.9885	-7.86319	14630.4
45085_5085	45085	5085	72.00375	-222.176	-0.21394	-13.0869	7.863188	-14630.4
45085_5086	45085	5086	-72.0038	259.3802	0.213938	13.08694	-5.45738	11931.21
45086_5086	45086	5086	72.00506	-310.099	0.021	7.440563	5.457375	-11931.3
45086_5087	45086	5087	-72.0051	347.3046	-0.021	-7.44056	-5.68969	8246.435
45087_5087	45087	5087	72.00506	-347.305	-0.11025	-7.56	5.689688	-8246.43
45087_5088	45087	5088	-72.0051	384.5389	0.11025	7.56	-4.452	4141.001
45088_5088	45088	5088	72.00769	-435.254	0.292688	-1.38075	4.452	-4141.08
45088_5089	45088	5089	-72.0077	480.7911	-0.29269	1.38075	-8.46431	-2143.46
45089_5089	45089	5089	77.469	-479.942	0.200813	1.2075	8.47875	2164.404
45089_5090	45089	5090	-77.7788	507.2235	-0.20081	-1.2075	-10.1312	-6421.82
45090_5090	45090	5090	90.3105	-556.66	-0.27169	-14.5517	9.64425	6421.731
45090_5091	45090	5091	-91.5981	595.9065	0.271688	14.55169	-6.447	-13268.4
45091_5091	45091	5091	111.9996	-599.629	-0.45281	12.24825	14.46244	13797.78
45091_5092	45091	5092	-114.953	648.0981	0.452813	-12.2483	-8.45644	-22023.8
45092_5092	45092	5092	137.8545	-697.889	-0.4095	-12.6827	6.594	22023.63
45092_5093	45092	5093	-142.128	745.8216	0.4095	12.68269	-1.45425	-31168.9
45093_5093	45093	5093	162.6069	-741.626	-0.4725	12.63675	4.071375	31168.87

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45093_5094	45093	5094	-168.567	792.5584	0.4725	-12.6368	1.871625	-40921.7
45094_5094	45094	5094	-3216.05	296.8232	-9.072	-4.49794	120.2801	11079.27
45094_5095	45094	5095	3216.045	-263.629	9.072	4.497938	-34.1368	-8308.81
45095_5095	45095	5095	-3216.05	263.6288	-7.76213	-1.113	34.13681	8308.813
45095_5096	45095	5096	3216.048	-237.3	7.762125	1.113	26.04919	-6366.71
45096_5096	45096	5096	-3216.06	237.3	-3.74456	6.839438	-26.0492	6366.701
45096_5097	45096	5097	3216.056	-211.005	3.744563	-6.83944	55.04888	-4630.93
45097_5097	45097	5097	-3216.08	157.6824	0.13125	-1.24425	-55.0489	4630.886
45097_5098	45097	5098	3216.077	-130.506	-0.13125	1.24425	53.99625	-3477.61
45098_5098	45098	5098	-3216.08	130.5058	0.13125	-1.24425	-53.9963	3477.611
45098_5099	45098	5099	3216.077	-103.329	-0.13125	1.24425	52.94363	-2541.85
45099_5099	45099	5099	-3216.07	103.3292	4.032	1.838813	-52.9436	2541.848
45099_5100	45099	5100	3216.074	-76.1867	-4.032	-1.83881	20.71125	-1824.38
45100_5100	45100	5100	-3216.08	19.26619	4.697438	2.896688	-20.7113	1824.38
45100_5101	45100	5101	3216.075	1.115625	-4.69744	-2.89669	-7.48519	-1769.9
45101_5101	45101	5101	-3216.06	-1.11563	10.05375	5.844563	7.485188	1769.896
45101_5102	45101	5102	3216.063	21.49613	-10.0538	-5.84456	-67.8274	-1837.75
45102_5102	45102	5102	-3216.06	-21.4961	-11.3676	-6.39713	67.82738	1837.751
45102_5103	45102	5103	3216.059	41.88056	11.36756	6.397125	0.416063	-2027.98
45103_5103	45103	5103	-3216.07	-41.8806	-6.18319	-3.12769	-0.41606	2027.992
45103_5104	45103	5104	3216.073	62.23088	6.183188	3.127688	37.47056	-2339.96
45104_5104	45104	5104	-3216.08	-119.378	-4.09631	-2.93869	-37.4706	2339.97
45104_5105	45104	5105	3216.075	146.5564	4.096313	2.938688	70.25681	-3404.23
45105_5105	45105	5105	-3216.08	-146.556	-0.20081	1.185188	-70.2568	3404.23
45105_5106	45105	5106	3216.078	173.6989	0.200813	-1.18519	71.85938	-4684.23
45106_5106	45106	5106	-3216.08	-173.699	-0.08006	1.361063	-71.8594	4684.23
45106_5107	45106	5107	3216.078	200.8768	0.080063	-1.36106	72.49856	-6183.21
45107_5107	45107	5107	-3216.07	-254.405	5.525625	-4.48219	-72.4986	6183.289
45107_5108	45107	5108	3216.067	280.7306	-5.52563	4.482188	29.66381	-8257.77
45108_5108	45108	5108	-3216.07	-280.731	5.4075	-4.78538	-29.6638	8257.771
45108_5109	45108	5109	3216.067	307.0226	-5.4075	4.785375	-12.2049	-10533.3
45109_5109	45109	5109	-3216.06	-307.023	8.799	6.322313	12.20494	10533.3
45109_5110	45109	5110	3216.061	340.2473	-8.799	-6.32231	-95.823	-13745.1
45110_5110	45110	5110	161.6068	735.7783	0.021	-27.8329	8.060063	44089.72
45110_5111	45110	5111	-155.648	-684.859	-0.021	27.83288	-8.32125	-35061.2
45111_5111	45111	5111	136.7336	688.884	-0.09713	26.54925	2.680125	35061.16
45111_5112	45111	5112	-132.459	-640.967	0.097125	-26.5493	-1.45425	-26903.7
45112_5112	45112	5112	111.6767	600.1459	0.160125	-4.50319	4.08975	26904.34
45112_5113	45112	5113	-108.722	-551.657	-0.16013	4.503188	-6.20813	-19294
45113_5113	45113	5113	79.98506	445.6213	-0.27431	1.741688	19.19006	2476.684
45113_5114	45113	5114	-78.7106	-406.754	0.274313	-1.74169	-15.9692	2736.807
45114_5114	45114	5114	69.43519	359.772	-0.19819	1.4595	16.002	-2736.86
45114_5115	45114	5115	-69.1281	-332.78	0.198188	-1.4595	-14.3666	6006.619
45115_5115	45115	5115	65.33888	333.5443	-0.21525	-0.21788	14.38238	-6027.28
45115_5116	45115	5116	-65.3389	-289.531	0.21525	0.217875	-11.3098	9916.571
45116_5116	45116	5116	65.33888	239.7938	-0.13913	5.647688	11.30981	-9916.58
45116_5117	45116	5117	-65.3389	-205.148	0.139125	-5.64769	-9.74531	12410.91
45117_5117	45117	5117	65.33756	205.1477	-0.19819	-5.42063	9.745313	-12410.9
45117_5118	45117	5118	-65.3376	-170.5	0.198188	5.420625	-7.5285	14516.75
45118_5118	45118	5118	65.33756	120.3011	-0.11681	6.9825	7.5285	-14516.8
45118_5119	45118	5119	-65.3376	-85.6551	0.116813	-6.9825	-6.21731	15671.31
45119_5119	45119	5119	65.33756	85.65506	-0.17456	-6.99431	6.217313	-15671.3
45119_5120	45119	5120	-65.3376	-51.0103	0.174563	6.994313	-4.25381	16437.4
45120_5120	45120	5120	65.33756	-0.73762	-0.12206	20.03269	4.253813	-16437.4
45120_5121	45120	5121	-65.3376	37.9785	0.122063	-20.0327	-2.77594	16204.09
45121_5121	45121	5121	65.33756	-37.9785	-0.28481	-20.1338	2.775938	-16204.1
45121_5122	45121	5122	-65.3376	75.18788	0.284813	20.13375	0.649688	15522.78
45122_5122	45122	5122	65.33756	-126.378	-0.18506	6.067688	-0.64969	-15522.8

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45122_5123	45122	5123	-65.3376	161.0214	0.185063	-6.06769	2.731313	13911.81
45123_5123	45123	5123	65.33756	-161.021	-0.24413	-6.34069	-2.73131	-13911.8
45123_5124	45123	5124	-65.3376	195.6636	0.244125	6.340688	5.466563	11912.48
45124_5124	45124	5124	65.33625	-244.895	0.024938	7.81725	-5.46656	-11912.4
45124_5125	45124	5125	-65.3363	279.5389	-0.02494	-7.81725	5.185688	8972.795
45125_5125	45125	5125	65.33625	-279.539	-0.09188	-8.19	-5.18569	-8972.79
45125_5126	45125	5126	-65.3363	314.1797	0.091875	8.19	6.21075	5644.895
45126_5126	45126	5126	65.33625	-362.15	-0.64706	-0.1575	-6.21075	-5644.86
45126_5127	45126	5127	-65.3363	404.3944	0.647063	0.1575	15.05569	429.7015
45127_5127	45127	5127	69.92606	-403.627	-0.72844	-0.28481	-15.0596	-409.79
45127_5128	45127	5128	-70.2083	428.4381	0.728438	0.284813	21.07481	-3228.63
45128_5128	45128	5128	80.85788	-472.411	1.689188	-6.59925	-21.2979	3228.568
45128_5129	45128	5129	-82.0286	508.1239	-1.68919	6.59925	1.446375	-9337.59
45129_5129	45129	5129	105.2599	-512.034	1.404375	11.91225	-5.93906	10043.84
45129_5130	45129	5130	-108.12	558.9833	-1.40438	-11.9123	-12.7076	-17079.3
45130_5130	45130	5130	128.1433	-604.898	-4.4205	-10.3425	11.08538	17079.21
45130_5131	45130	5131	-132.29	651.399	4.4205	10.3425	44.39269	-25196
45131_5131	45131	5131	150.2235	-647.498	-4.47956	10.32413	-42.3859	25195.98
45131_5132	45131	5132	-156.014	696.9598	4.479563	-10.3241	98.76563	-33906.4
45132_5132	45132	5132	-2824.48	285.0632	30.54975	12.70238	-374.799	8641.501
45132_5133	45132	5133	2824.475	-252.945	-30.5498	-12.7024	84.57881	-5834.27
45133_5133	45133	5133	-2824.43	252.945	34.19325	20.22956	-84.5788	5834.246
45133_5134	45133	5134	2824.433	-228.992	-34.1933	-20.2296	-180.423	-3966.74
45134_5134	45134	5134	-2824.64	228.9919	-2.20894	-30.8923	180.4228	3966.67
45134_5135	45134	5135	2824.639	-205.005	2.208938	30.89231	-163.284	-2282.65
45135_5135	45135	5135	-2824.61	143.1531	-4.52025	-1.029	163.2842	2283.132
45135_5136	45135	5136	2824.612	-118.424	4.52025	1.029	-127.12	-1236.76
45136_5136	45136	5136	-2824.61	118.4243	-0.98963	0.515813	127.1196	1236.758
45136_5137	45136	5137	2824.614	-93.6968	0.989625	-0.51581	-119.201	-388.232
45137_5137	45137	5137	-2824.61	93.69675	-4.55963	0.02625	119.2013	388.2323
45137_5138	45137	5138	2824.61	-68.9994	4.559625	-0.02625	-82.7649	261.7781
45138_5138	45138	5138	-2824.62	8.897438	-4.47563	0.043313	82.76494	-261.933
45138_5139	45138	5139	2824.617	9.6495	4.475625	-0.04331	-55.9086	259.6768
45139_5139	45139	5139	-2824.62	-9.6495	0.231	-0.38981	55.90856	-259.677
45139_5140	45139	5140	2824.619	28.19513	-0.231	0.389813	-57.2972	146.1377
45140_5140	45140	5140	-2824.62	-28.1951	-4.47563	-0.14569	57.29719	-146.138
45140_5141	45140	5141	2824.617	46.74075	4.475625	0.145688	-30.4421	-78.687
45141_5141	45141	5141	-2824.62	-46.7408	0.231	-0.01444	30.44213	78.687
45141_5142	45141	5142	2824.619	65.28769	-0.231	0.014438	-31.8308	-414.789
45142_5142	45142	5142	-2824.62	-124.068	-2.96888	-0.13125	31.83075	414.6516
45142_5143	45142	5143	2824.621	148.7955	2.968875	0.13125	-8.07581	-1506.18
45143_5143	45143	5143	-2824.62	-148.796	-2.96888	-0.13125	8.075813	1506.175
45143_5144	45143	5144	2824.621	173.5243	2.968875	0.13125	15.67781	-2795.54
45144_5144	45144	5144	-2824.62	-173.524	-2.96888	-0.13125	-15.6778	2795.537
45144_5145	45144	5145	2824.621	198.2518	2.968875	0.13125	39.43275	-4282.74
45145_5145	45145	5145	-2824.62	-252.747	-1.20488	2.974125	-39.4328	4282.615
45145_5146	45145	5146	2824.622	276.7026	1.204875	-2.97413	48.76856	-6334.34
45146_5146	45146	5146	-2824.62	-276.703	-1.20488	2.974125	-48.7686	6334.338
45146_5147	45146	5147	2824.622	300.657	1.204875	-2.97413	58.10438	-8571.72
45147_5147	45147	5147	-2824.62	-300.657	-4.75256	-7.79363	-58.1044	8571.721
45147_5148	45147	5148	2824.619	332.7765	4.752563	7.793625	103.2596	-11580.7
45148_5148	45148	5148	142.9785	639.9212	-0.00525	-12.3296	-11.9438	36888.41
45148_5149	45148	5149	-137.186	-590.456	0.00525	12.32963	12.00675	-29149.1
45149_5149	45149	5149	120.8314	594.0191	-0.05906	11.23106	-14.4126	29149.08
45149_5150	45149	5150	-116.685	-547.516	0.059063	-11.2311	15.15413	-21988.5
45150_5150	45150	5150	98.88638	511.4865	0.140438	-0.97519	-14.0634	21988.55
45150_5151	45150	5151	-96.0251	-464.534	-0.14044	0.975188	12.19706	-15512.2
45151_5151	45151	5151	84.65363	345.3398	0.023625	0.059062	-9.51169	-254.285

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45151_5152	45151	5152	-83.4501	-308.649	-0.02363	-0.05906	9.226875	4098.18
45152_5152	45152	5152	76.27463	262.6995	0.147	-0.08269	-9.22031	-4098.18
45152_5153	45152	5153	-75.9859	-237.203	-0.147	0.082688	8.0115	6160.459
45153_5153	45153	5153	73.28475	238.0508	0.147	0.05775	-8.0115	-6160.46
45153_5154	45153	5154	-73.2848	-196.901	-0.147	-0.05775	5.99025	9148.76
45154_5154	45154	5154	73.28606	145.2478	0.14175	0.027563	-5.99025	-9148.76
45154_5155	45154	5155	-73.2861	-112.304	-0.14175	-0.02756	4.429688	10565.38
45155_5155	45155	5155	73.28606	112.3041	0.14175	0.027563	-4.42969	-10565.4
45155_5156	45155	5156	-73.2861	-79.3603	-0.14175	-0.02756	2.870438	11619.6
45156_5156	45156	5156	73.28606	27.51131	0.07875	-0.02494	-2.87044	-11619.6
45156_5157	45156	5157	-73.2861	2.4675	-0.07875	0.024938	2.086875	11744.95
45157_5157	45157	5157	73.28606	-2.4675	0.07875	0.103688	-2.08688	-11745
45157_5158	45157	5158	-73.2861	32.41744	-0.07875	-0.10369	1.295438	11570.52
45158_5158	45158	5158	73.28475	-81.7071	0.12075	-5.27494	-1.29544	-11570.4
45158_5159	45158	5159	-73.2848	111.6846	-0.12075	5.274938	0.093187	10602.45
45159_5159	45159	5159	73.28475	-111.685	0.192938	5.315625	-0.09319	-10602.4
45159_5160	45159	5160	-73.2848	141.6647	-0.19294	-5.31563	-1.84275	9334.358
45160_5160	45160	5160	73.28606	-194.012	0.12075	0.030188	1.84275	-9334.41
45160_5161	45160	5161	-73.2861	226.9562	-0.12075	-0.03019	-3.16444	7018.948
45161_5161	45161	5161	73.28606	-226.956	0.12075	0.030188	3.164438	-7018.95
45161_5162	45161	5162	-73.2861	259.8999	-0.12075	-0.03019	-4.48744	4341.086
45162_5162	45162	5162	73.28738	-312.203	-0.05119	-0.02363	4.487438	-4341.09
45162_5163	45162	5163	-73.2874	353.3539	0.051188	0.023625	-3.78263	-233.916
45163_5163	45163	5163	77.29706	-352.498	-0.105	0.103688	3.78525	233.9158
45163_5164	45163	5164	-77.5871	377.9948	0.105	-0.10369	-2.91769	-3277.64
45164_5164	45164	5164	87.2865	-425.704	0.177188	3.798375	3.042375	3277.652
45164_5165	45164	5165	-88.4901	462.3938	-0.17719	-3.79838	-5.12138	-8549.92
45165_5165	45165	5165	104.4199	-469.298	0.4095	-5.76975	4.13175	9417.212
45165_5166	45165	5166	-107.318	516.8625	-0.4095	5.76975	-9.56288	-16026.3
45166_5166	45166	5166	126.3439	-564.745	0.280875	-8.78588	9.152063	16026.35
45166_5167	45166	5167	-130.541	611.8271	-0.28088	8.785875	-12.6853	-23480.7
45167_5167	45167	5167	147.3872	-607.989	0.2205	9.337125	14.60025	23480.69
45167_5168	45167	5168	-153.246	658.0324	-0.2205	-9.33713	-17.3814	-31211.8
45168_5168	45168	5168	-2732.9	308.6304	-1.86375	-3.27731	15.11738	8602.279
45168_5169	45168	5169	2732.905	-276.071	1.86375	3.277313	2.592188	-5824.76
45169_5169	45169	5169	-2732.9	276.0713	1.533	3.962438	-2.59219	5824.76
45169_5170	45169	5170	2732.905	-251.487	-1.533	-3.96244	-9.27281	-3783
45170_5170	45170	5170	-2732.9	251.4868	-1.95694	-0.86756	9.272813	3783
45170_5171	45170	5171	2732.903	-226.871	1.956938	0.867563	5.893125	-1929.24
45171_5171	45171	5171	-2732.9	166.8161	2.18925	0.557813	-5.89313	1929.073
45171_5172	45171	5172	2732.905	-141.406	-2.18925	-0.55781	-11.6209	-696.121
45172_5172	45172	5172	-2732.9	141.4061	-1.22719	-0.31238	11.62088	696.1211
45172_5173	45172	5173	2732.905	-115.996	1.227188	0.312375	-1.80731	333.5522
45173_5173	45173	5173	-2732.9	115.9961	-1.22719	-0.31238	1.807313	-333.552
45173_5174	45173	5174	2732.905	-90.5848	1.227188	0.312375	8.00625	1159.93
45174_5174	45174	5174	-2732.91	27.384	2.584313	-1.03425	-8.00625	-1160.09
45174_5175	45174	5175	2732.907	-8.3265	-2.58431	1.03425	-7.50094	1267.224
45175_5175	45175	5175	-2732.91	8.3265	-1.97006	1.077563	7.500938	-1267.22
45175_5176	45175	5176	2732.909	10.73231	1.970063	-1.07756	4.319438	1260.007
45176_5176	45176	5176	-2732.91	-10.7323	2.584313	-1.02244	-4.31944	-1260.01
45176_5177	45176	5177	2732.907	29.78981	-2.58431	1.022438	-11.1891	1138.436
45177_5177	45177	5177	-2732.91	-29.7898	-1.97006	0.875438	11.18906	-1138.44
45177_5178	45177	5178	2732.909	48.84731	1.970063	-0.87544	0.631313	902.5104
45178_5178	45178	5178	-2732.91	-111.933	-0.68644	-0.56963	-0.63131	-902.69
45178_5179	45178	5179	2732.909	137.3426	0.686438	0.569625	6.118875	-94.4711
45179_5179	45179	5179	-2732.91	-137.343	-0.68644	-0.56963	-6.11888	94.47112
45179_5180	45179	5180	2732.909	162.7526	0.686438	0.569625	11.60644	-1294.93
45180_5180	45180	5180	-2732.91	-162.753	2.73	1.048688	-11.6064	1294.93

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45180_5181	45180	5181	2732.907	188.1626	-2.73	-1.04869	-10.2336	-2698.66
45181_5181	45181	5181	-2732.9	-247.316	-2.16431	-1.24819	10.23356	2698.685
45181_5182	45181	5182	2732.903	271.9316	2.164313	1.248188	6.545438	-4710.9
45182_5182	45182	5182	-2732.9	-271.932	1.361063	4.828688	-6.54544	4710.899
45182_5183	45182	5183	2732.903	296.5476	-1.36106	-4.82869	-4.00313	-6913.87
45183_5183	45183	5183	-2732.9	-296.548	-2.07244	-3.85613	4.003125	6913.873
45183_5184	45183	5184	2732.903	329.1068	2.072438	3.856125	15.68306	-10083.6
45184_5184	45184	5184	169.8729	640.8163	-0.06694	10.05638	-13.8114	33584.91
45184_5185	45184	5185	-164.014	-590.773	0.066938	-10.0564	14.65275	-25934.9
45185_5185	45185	5185	147.6379	595.077	0.007875	-9.60488	-12.5803	25934.87
45185_5186	45185	5186	-143.441	-547.996	-0.00788	9.604875	12.47269	-18729.5
45186_5186	45186	5186	125.2361	506.3048	-0.5145	-0.72713	-13.2576	18729.57
45186_5187	45186	5187	-122.338	-458.741	0.5145	0.727125	20.08781	-12534.2
45187_5187	45187	5187	94.47638	337.2626	0.164063	0.8715	-1.64981	-4538.62
45187_5188	45187	5188	-93.219	-298.911	-0.16406	-0.8715	-0.27956	8576.927
45188_5188	45188	5188	86.21156	249.1388	-0.13388	0.081375	0.307125	-8576.87
45188_5189	45188	5189	-85.9097	-222.508	0.133875	-0.08138	0.800625	9884.902
45189_5189	45189	5189	83.37263	223.4715	-0.13519	-0.01969	-0.79931	-9872.54
45189_5190	45189	5190	-83.3726	-178.508	0.135188	0.019688	2.66175	12636.31
45190_5190	45190	5190	83.36869	121.5008	0.249375	0.013125	-2.66175	-12636.3
45190_5191	45190	5191	-83.3687	-85.5304	-0.24938	-0.01313	-0.08794	13775.04
45191_5191	45191	5191	83.36869	85.53038	0.249375	0.013125	0.087938	-13775
45191_5192	45191	5192	-83.3687	-49.5587	-0.24938	-0.01313	-2.83763	14518.08
45192_5192	45192	5192	83.37131	-7.13869	-0.0945	0.09975	2.837625	-14518.1
45192_5193	45192	5193	-83.3713	39.90394	0.0945	-0.09975	-1.89131	14282.39
45193_5193	45193	5193	83.37131	-39.9039	-0.09581	-0.05644	1.891313	-14282.4
45193_5194	45193	5194	-83.3713	72.70331	0.095812	0.056438	-0.93581	13717.63
45194_5194	45194	5194	83.36738	-126.646	0.169313	0.00525	0.935813	-13717.6
45194_5195	45194	5195	-83.3674	159.4451	-0.16931	-0.00525	-2.62763	12282.79
45195_5195	45195	5195	83.36738	-159.445	0.169313	0.00525	2.627625	-12282.8
45195_5196	45195	5196	-83.3674	192.2432	-0.16931	-0.00525	-4.31944	10518.97
45196_5196	45196	5196	83.37131	-249.686	-0.01706	-0.0105	4.319438	-10519
45196_5197	45196	5197	-83.3713	285.6564	0.017063	0.0105	-4.13569	7574.409
45197_5197	45197	5197	83.37131	-285.656	-0.01706	-0.0105	4.135688	-7574.41
45197_5198	45197	5198	-83.3713	321.6268	0.017063	0.0105	-3.95194	4234.153
45198_5198	45198	5198	83.37	-379.991	0.082688	-0.02888	3.951938	-4234.16
45198_5199	45198	5199	-83.37	424.9219	-0.08269	0.028875	-5.08594	-1334.8
45199_5199	45199	5199	88.28663	-423.927	0.081375	-0.05381	5.084625	1310.091
45199_5200	45199	5200	-88.6082	451.6943	-0.08138	0.053813	-5.76056	-5030.79
45200_5200	45200	5200	100.3275	-505.956	-0.04988	1.106438	5.80125	5030.736
45200_5201	45200	5201	-101.661	545.8793	0.049875	-1.10644	-5.21063	-11399
45201_5201	45201	5201	121.2593	-552.965	0.043313	-1.995	10.72969	12379.29
45201_5202	45201	5202	-124.543	606.1283	-0.04331	1.995	-11.3033	-20104.9
45202_5202	45202	5202	147.0643	-662.625	-0.09844	10.95019	12.43856	20104.79
45202_5203	45202	5203	-151.788	714.9883	0.098438	-10.9502	-11.2035	-28637
45203_5203	45203	5203	171.5149	-710.514	-0.02888	-11.8873	8.839688	28636.95
45203_5204	45203	5204	-178.054	765.8411	0.028875	11.88731	-8.47613	-38018.3
45204_5204	45204	5204	-3171.52	337.9478	-3.40594	2.7195	127.7706	10737.84
45204_5205	45204	5205	3171.516	-301.375	3.405938	-2.7195	-95.4069	-7594.57
45205_5205	45205	5205	-3171.51	301.3749	-6.85256	-4.69088	95.40694	7205.798
45205_5206	45205	5206	3171.511	-273.483	6.852563	4.690875	-42.2993	-4978.07
45206_5206	45206	5206	-3171.52	273.483	-2.76019	1.731188	42.29925	4978.076
45206_5207	45206	5207	3171.516	-245.592	2.760188	-1.73119	-20.9055	-2966.55
45207_5207	45207	5207	-3171.53	183.1804	-4.90875	-0.10763	20.9055	2966.56
45207_5208	45207	5208	3171.528	-154.389	4.90875	0.107625	18.36844	-1616.2
45208_5208	45208	5208	-3171.53	154.3894	-4.90875	-0.10763	-18.3684	1616.197
45208_5209	45208	5209	3171.528	-125.598	4.90875	0.107625	57.64106	-496.179
45209_5209	45209	5209	-3171.53	125.5984	-4.90875	-0.10763	-57.6411	496.1788

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45209_5210	45209	5210	3171.528	-96.8061	4.90875	0.107625	96.915	393.4954
45210_5210	45210	5210	-3171.57	32.05256	1.563188	-0.44494	-96.915	-393.51
45210_5211	45210	5211	3171.571	-10.4606	-1.56319	0.444938	87.53456	521.0559
45211_5211	45211	5211	-3171.57	10.46063	-3.72225	0.423938	-87.5346	-521.056
45211_5212	45211	5212	3171.568	11.13394	3.72225	-0.42394	109.8668	519.036
45212_5212	45212	5212	-3171.57	-11.1339	1.563188	-0.441	-109.867	-519.036
45212_5213	45212	5213	3171.571	32.72719	-1.56319	0.441	100.4863	387.4487
45213_5213	45213	5213	-3171.57	-32.7272	-3.72225	0.20475	-100.486	-387.449
45213_5214	45213	5214	3171.568	54.32044	3.72225	-0.20475	122.8198	126.2914
45214_5214	45214	5214	-3171.66	-118.674	2.155125	0.128625	-122.82	-126.144
45214_5215	45214	5215	3171.658	147.4659	-2.15513	-0.12863	105.5828	-938.482
45215_5215	45215	5215	-3171.65	-147.466	6.118875	1.302	-105.583	938.4808
45215_5216	45215	5216	3171.652	176.2569	-6.11888	-1.302	56.63175	-2233.43
45216_5216	45216	5216	-3171.66	-176.257	2.155125	-1.48969	-56.6318	2233.434
45216_5217	45216	5217	3171.658	205.0479	-2.15513	1.489688	39.39469	-3758.75
45217_5217	45217	5217	-3171.68	-266.21	2.534438	-22.9044	-39.3947	3758.499
45217_5218	45217	5218	3171.677	294.0669	-2.53444	22.90444	19.77938	-5926.92
45218_5218	45218	5218	-3171.67	-294.067	6.674063	-15.1686	-19.7794	5926.946
45218_5219	45218	5219	3171.671	321.9576	-6.67406	15.16856	-31.9449	-8314.17
45219_5219	45219	5219	-3171.57	-321.958	26.05838	38.8395	31.94494	8702.887
45219_5220	45219	5220	3171.571	358.5291	-26.0584	-38.8395	-279.496	-11935.2
45220_5220	45220	5220	154.9026	738.6159	0.712688	-48.9838	-1.11563	39229.73
45220_5221	45220	5221	-148.364	-683.293	-0.71269	48.98381	-7.85138	-30284.4
45221_5221	45221	5221	129.3981	687.1371	0.497438	47.33138	-2.21419	30284.38
45221_5222	45221	5222	-124.674	-634.775	-0.49744	-47.3314	-4.02938	-22211.2
45222_5222	45222	5222	103.2386	582.3051	0.711375	-3.75244	8.512875	22211.7
45222_5223	45222	5223	-99.9548	-529.141	-0.71138	3.752438	-17.9616	-14762.2
45223_5223	45223	5223	85.50544	402.6986	0.42	-2.73	-6.64256	-1937.68
45223_5224	45223	5224	-84.1024	-360.688	-0.42	2.73	1.701	6662.13
45224_5224	45224	5224	75.49238	299.7973	0.557813	19.09425	-2.01206	-6662.57
45224_5225	45224	5225	-75.1538	-270.565	-0.55781	-19.0943	-2.58563	8759.536
45225_5225	45225	5225	72.01556	271.4171	0.280875	-14.5898	2.807438	-8749.5
45225_5226	45225	5226	-72.0156	-214.736	-0.28088	14.58975	-7.14656	12503.51
45226_5226	45226	5226	72.01688	145.2399	0.896438	29.53913	7.146563	-12503.4
45226_5227	45226	5227	-72.0169	-101.733	-0.89644	-29.5391	-17.7778	13967.19
45227_5227	45227	5227	72.0195	101.7332	0.59325	-29.3475	17.77781	-13967.2
45227_5228	45227	5228	-72.0195	-58.2212	-0.59325	29.3475	-24.8115	14915.36
45228_5228	45228	5228	72.01556	-12.621	0.900375	30.52088	24.8115	-14914.1
45228_5229	45228	5229	-72.0156	56.13694	-0.90038	-30.5209	-35.4821	14506.46
45229_5229	45229	5229	72.01819	-56.1369	0.595875	-30.6128	35.48213	-14506.5
45229_5230	45229	5230	-72.0182	99.65944	-0.59588	30.61275	-42.5552	13582.73
45230_5230	45230	5230	72.03263	-172.523	-0.14831	18.07575	42.55519	-13580.4
45230_5231	45230	5231	-72.0326	217.2621	0.148313	-18.0758	-40.7544	11204.68
45231_5231	45231	5231	72.03131	-217.262	-0.38325	-18.6572	40.75444	-11204.7
45231_5232	45231	5232	-72.0313	262.0078	0.38325	18.65719	-36.0754	8283.169
45232_5232	45232	5232	71.92369	-333.782	3.9165	7.771313	36.07538	-8281.44
45232_5233	45232	5233	-71.9237	367.5131	-3.9165	-7.77131	-72.0654	5058.8
45233_5233	45233	5233	75.45956	-366.804	3.808875	-0.43313	72.06413	-5058.81
45233_5234	45233	5234	-75.7076	392.6173	-3.80888	0.433125	-98.3049	2516.415
45234_5234	45234	5234	81.98925	-391.355	3.642188	-7.67681	98.14088	-2516.41
45234_5235	45234	5235	-82.7361	420.4974	-3.64219	7.676813	-126.341	-713.784
45235_5235	45235	5235	91.43269	-481.3	-2.45963	-9.1455	126.2323	713.9326
45235_5236	45235	5236	-92.2464	501.6559	2.459625	9.1455	-113.022	-3373.29
45236_5236	45236	5236	83.9895	-520.245	-3.18281	-1.61306	227.4576	5634.222
45236_5237	45236	5237	-86.184	559.734	3.182813	1.613063	-200.507	-10251
45237_5237	45237	5237	95.3715	-558.24	-3.297	15.91144	201.9544	10250.98
45237_5238	45237	5238	-97.6329	589.6039	3.297	-15.9114	-180.171	-14081.1
45238_5238	45238	5238	114.2164	-655.274	-2.40975	-24.5858	177.0681	14077.1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45238_5239	45238	5239	-118.546	703.3202	2.40975	24.58575	-153.27	-20646.6
45239_5239	45239	5239	157.3412	-695.668	-2.53706	14.72231	158.6629	20646.59
45239_5240	45239	5240	-165.252	749.7158	2.537063	-14.7223	-131.526	-28372.4
45240_5240	45240	5240	-2997.89	397.3371	-95.6471	-6.98381	1881.02	8429.577
45240_5241	45240	5241	2997.885	-341.553	95.64713	6.983813	-705.832	-3890.3
45241_5241	45241	5241	-2998.25	341.5532	-83.3018	9.036563	705.8323	3890.296
45241_5242	45241	5242	2998.254	-315.365	83.30175	-9.03656	-218.155	-1967.37
45242_5242	45242	5242	-2998.32	315.3649	-80.997	10.54856	218.1546	1967.364
45242_5243	45242	5243	2998.317	-286.934	80.997	-10.5486	296.6565	-53.2757
45243_5243	45243	5243	-3001.76	222.7523	-15.1423	3.82725	-296.657	52.8885
45243_5244	45243	5244	3001.761	-178.795	15.14231	-3.82725	445.4573	1919.996
45244_5244	45244	5244	-3001.8	178.7953	-5.06888	-2.61581	-445.457	-1920
45244_5245	45244	5245	3001.795	-135.008	5.068875	2.615813	495.0789	3455.872
45245_5245	45245	5245	-3000.65	80.48119	-21.231	7.130813	-495.079	-3454.96
45245_5246	45245	5246	3000.652	-35.1146	21.231	-7.13081	710.3946	4041.123
45246_5246	45246	5246	-3000.71	35.11463	-11.0644	-6.55988	-710.395	-4041.12
45246_5247	45246	5247	3000.706	7.30275	11.06438	6.559875	815.3106	4172.984
45247_5247	45247	5247	-3000.5	-65.3126	-7.94063	5.73825	-815.311	-4171.96
45247_5248	45247	5248	3000.501	106.8861	7.940625	-5.73825	889.1019	3371.782
45248_5248	45248	5248	-3000.51	-106.886	1.358438	-4.71056	-889.102	-3371.78
45248_5249	45248	5249	3000.512	153.0953	-1.35844	4.710563	875.0739	2028.96
45249_5249	45249	5249	-3002	-205.568	49.89469	0.715313	-875.074	-2028.53
45249_5250	45249	5250	3001.996	250.8004	-49.8947	-0.71531	370.545	-278.856
45250_5250	45250	5250	-3001.86	-250.8	57.69356	1.439813	-370.545	278.8538
45250_5251	45250	5251	3001.856	293.349	-57.6936	-1.43981	-178.224	-2866.76
45251_5251	45251	5251	-2998.61	-368.977	-34.9112	-50.3934	178.2244	2864.925
45251_5252	45251	5252	2998.607	396.0298	34.91119	50.39344	32.91094	-5178.25
45252_5252	45252	5252	-2998.66	-396.03	-30.2531	-42.3504	-32.9109	5178.327
45252_5253	45252	5253	2998.658	424.032	30.25313	42.35044	222.2903	-7745.03
45253_5253	45253	5253	-2998.73	-424.032	-22.4858	-22.2889	-222.29	7745.119
45253_5254	45253	5254	2998.727	467.1529	22.48575	22.28888	435.8537	-12097
45254_5254	45254	5254	191.3848	727.6959	-104.354	311.1596	-326.176	34618.48
45254_5255	45254	5255	-189.591	-713.682	104.3543	-311.16	608.6181	-32648.4
45255_5255	45255	5255	165.8908	647.8303	54.76669	-37.6832	-563.448	32640.96
45255_5256	45255	5256	-158.864	-584.439	-54.7667	37.68319	-126.851	-25046.3
45256_5256	45256	5256	145.2098	588.0144	54.4005	54.95831	117.6066	25046.27
45256_5257	45256	5257	-141.363	-543.781	-54.4005	-54.9583	-614.681	-19773.1
45257_5257	45257	5257	128.5751	473.3597	-27.5349	-46.8405	621.915	19770.91
45257_5258	45257	5258	-126.419	-442.524	27.53494	46.8405	-442.534	-16892.2
45258_5258	45258	5258	119.5858	444.4046	-27.7607	-14.6541	439.6416	16892.3
45258_5259	45258	5259	-117.691	-409.709	27.76069	14.65406	-232.891	-13748.9
45259_5259	45259	5259	110.5151	411.6827	-28.0442	20.7165	231.1339	13748.94
45259_5260	45259	5260	-109.388	-381.477	28.04419	-20.7165	-15.5873	-10579.1
45260_5260	45260	5260	158.9175	353.1846	2.539688	25.10944	-19.7859	-5105.04
45260_5261	45260	5261	-158.377	-329.306	-2.53969	-25.1094	4.7775	7202.689
45261_5261	45261	5261	153.9392	331.4076	1.995	0.21525	-4.20919	-7202.74
45261_5262	45261	5262	-153.703	-305.609	-1.995	-0.21525	-8.57325	8965.892
45262_5262	45262	5262	150.8955	307.0056	1.82175	-9.69281	8.574563	-9004.13
45262_5263	45262	5263	-150.896	-258.675	-1.82175	9.692813	-30.786	12451.32
45263_5263	45263	5263	150.9008	181.6802	1.68525	22.155	30.786	-12450.8
45263_5264	45263	5264	-150.901	-136.4	-1.68525	-22.155	-50.0286	14266.82
45264_5264	45264	5264	150.9047	136.4003	1.252125	-18.8252	50.02856	-14266.8
45264_5265	45264	5265	-150.905	-90.2646	-1.25213	18.82519	-64.5921	15585.4
45265_5265	45265	5265	150.9086	17.65706	1.140563	31.584	64.59206	-15585.5
45265_5266	45265	5266	-150.909	28.57838	-1.14056	-31.584	-77.8877	15521.79
45266_5266	45266	5266	150.9126	-28.5784	0.543375	-29.8778	77.88769	-15521.8
45266_5267	45266	5267	-150.913	73.75725	-0.54338	29.87775	-84.0722	14938.83
45267_5267	45267	5267	150.9309	-147.323	1.995	31.50131	84.07219	-14939.6

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45267_5268	45267	5268	-150.931	193.0779	-1.995	-31.5013	-107.099	12975.71
45268_5268	45268	5268	150.9388	-193.078	1.274438	-30.5314	107.0987	-12975.7
45268_5269	45268	5269	-150.939	238.7044	-1.27444	30.53138	-121.758	10491.66
45269_5269	45269	5269	150.9231	-309.472	-0.04463	14.94413	121.758	-10492.7
45269_5270	45269	5270	-150.923	344.6113	0.044625	-14.9441	-121.362	7594.598
45270_5270	45270	5270	150.9231	-344.611	-0.48169	-7.02319	121.3616	-7594.61
45270_5271	45270	5271	-150.923	379.6052	0.481687	7.023188	-117.114	4619.031
45271_5271	45271	5271	154.35	-378.224	-0.82294	-17.8264	116.9582	-4578.84
45271_5272	45271	5272	-154.598	405.6176	0.822938	17.82638	-111.691	1944.694
45272_5272	45272	5272	162.6778	-478.37	13.76419	-4.34306	111.7764	-1945.99
45272_5273	45272	5273	-163.4	508.5898	-13.7642	4.343063	-208.567	-1697.74
45273_5273	45273	5273	170.9348	-506.116	13.46231	-4.20525	208.6035	1697.736
45273_5274	45273	5274	-172.032	534.4894	-13.4623	4.20525	-296.804	-5276.9
45274_5274	45274	5274	182.1409	-531.139	13.083	1.544813	297.3259	5291.803
45274_5275	45274	5275	-185.324	586.3633	-13.083	-1.54481	-443.372	-11614.4
45275_5275	45275	5275	204.0964	-669.036	-51.2728	-41.4868	440.6378	11616.14
45275_5276	45275	5276	-208.145	719.1936	51.27281	41.48681	65.16825	-18486.4
45276_5276	45276	5276	222.9885	-714.686	-51.8858	33.69844	-58.5034	18486.41
45276_5277	45276	5277	-228.114	764.9762	51.88575	-33.6984	555.2859	-25710.2
45277_5277	45277	5277	202.7222	-1013.11	99.55838	-94.8439	-1414.26	53324.53
45277_5278	45277	5278	-207.859	1055.586	-99.5584	94.84388	641.6996	-60304.4
45278_5278	45278	5278	-4497.56	560.2905	49.50094	13.89938	-250.564	19688.74
45278_5279	45278	5279	4497.558	-514.406	-49.5009	-13.8994	-219.236	-14588.9
45279_5279	45279	5279	-4497.39	514.4055	62.93438	62.99606	219.2361	14983.44
45279_5280	45279	5280	4497.39	-484.895	-62.9344	-62.9961	-630.402	-11719.1
45280_5280	45280	5280	-4499.63	399.3347	-77.4808	-11.7968	630.4016	11720.34
45280_5281	45280	5281	4499.628	-346.654	77.48081	11.79675	273.2454	-7370.19
45281_5281	45281	5281	-4499.81	346.6536	-65.7169	7.473375	-273.245	7370.199
45281_5282	45281	5282	4499.814	-290.602	65.71688	-7.47338	1088.752	-3416.21
45282_5282	45282	5282	-4499.26	199.6549	4.398188	-2.62631	-1088.75	3416.255
45282_5283	45282	5283	4499.263	-152.048	-4.39819	2.626313	1034.263	-1237.68
45283_5283	45283	5283	-4499.23	152.0479	18.38288	1.220625	-1034.26	1237.682
45283_5284	45283	5284	4499.228	-107.149	-18.3829	-1.22063	819.4817	276.5333
45284_5284	45284	5284	-4499.42	-28.8894	17.26725	-0.62213	-819.482	-276.574
45284_5285	45284	5285	4499.417	72.219	-17.2673	0.622125	624.7802	-293.444
45285_5285	45285	5285	-4499.36	-72.219	28.01138	0.07875	-624.78	293.4448
45285_5286	45285	5286	4499.362	110.9115	-28.0114	-0.07875	342.7292	-1215.41
45286_5286	45286	5286	-4499.29	-227.175	48.93919	-5.83144	-342.729	1215.523
45286_5287	45286	5287	4499.293	271.0221	-48.9392	5.831438	-215.681	-4057.78
45287_5287	45287	5287	-4499.1	-271.022	64.44506	8.15325	215.6805	4057.78
45287_5288	45287	5288	4499.098	315.0958	-64.4451	-8.15325	-954.799	-7418.84
45288_5288	45288	5288	-4501	-323.74	-42.1155	-29.6166	954.7991	7419.847
45288_5289	45288	5289	4501.002	339.1067	42.1155	29.61656	-786.386	-8745.15
45289_5289	45289	5289	-4501.06	-339.107	-35.7302	-14.0726	786.3857	8350.213
45289_5290	45289	5290	4501.057	378.6326	35.73019	14.07263	-446.957	-11877
45290_5290	45290	5290	196.7595	1296.935	-31.2611	15.91669	142.0453	48563.67
45290_5291	45290	5291	-191.296	-1247.2	31.26113	-15.9167	184.4798	-35494.2
45291_5291	45291	5291	148.1288	1133.618	2.413688	-45.1658	-178.532	35497.18
45291_5292	45291	5292	-144.039	-1084.02	-2.41369	45.16575	152.3353	-23222.2
45292_5292	45292	5292	115.3058	1087.452	2.207625	44.72869	-158.27	23222.17
45292_5293	45292	5293	-112.899	-1044.34	-2.20763	-44.7287	136.7966	-12771.2
45293_5293	45293	5293	86.50425	927.6133	4.684313	-12.705	-133.732	12772.74
45293_5294	45293	5294	-85.4109	-895.83	-4.68431	12.705	99.5505	-6035.87
45294_5294	45294	5294	66.99263	897.3956	4.550438	3.917813	-99.9915	6030.215
45294_5295	45294	5295	-66.5936	-868.563	-4.55044	-3.91781	65.24963	1077.891
45295_5295	45295	5295	54.97406	869.3764	4.416563	2.345438	-65.1906	-1077.9
45295_5296	45295	5296	-54.9596	-838.476	-4.41656	-2.34544	28.96819	8641.26
45296_5296	45296	5296	40.90406	764.7268	1.950375	17.1885	8.33175	-3096.02

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45296_5297	45296	5297	-40.9041	-749.165	-1.95038	-17.1885	-16.4246	6007.097
45297_5297	45297	5297	40.90669	749.1645	1.903125	10.15481	16.42463	-6007.11
45297_5298	45297	5298	-40.9067	-708.915	-1.90313	-10.1548	-34.0489	12760.16
45298_5298	45298	5298	40.91063	708.9154	1.804688	-20.2059	34.04888	-12760.2
45298_5299	45298	5299	-40.9106	-669.092	-1.80469	20.20594	-50.5956	19075.13
45299_5299	45299	5299	40.89356	563.7043	-0.36619	53.86631	50.59556	-19076.7
45299_5300	45299	5300	-40.8936	-513.016	0.366188	-53.8663	-46.3299	25357.06
45300_5300	45300	5300	40.89225	513.0156	-0.52369	-44.4609	46.32994	-25357.1
45300_5301	45300	5301	-40.8923	-459.158	0.523688	44.46094	-39.8331	31382.15
45301_5301	45301	5301	40.887	353.535	-0.98569	69.22388	39.83306	-31384.7
45301_5302	45301	5302	-40.887	-299.186	0.985688	-69.2239	-27.4969	35466.94
45302_5302	45302	5302	40.88306	299.1857	-1.14319	-67.0871	27.49688	-35466.9
45302_5303	45302	5303	-40.8831	-249.031	1.143188	67.08713	-14.301	38630.88
45303_5303	45303	5303	40.91325	143.1491	1.582875	84.03938	14.301	-38633.6
45303_5304	45303	5304	-40.9133	-86.6093	-1.58288	-84.0394	-34.8954	40128.48
45304_5304	45304	5304	40.91981	86.60925	1.405688	-90.1517	34.89544	-40128.5
45304_5305	45304	5305	-40.9198	-38.6072	-1.40569	90.15169	-50.4184	40820.14
45305_5305	45305	5305	40.89356	-67.2381	-1.22063	68.17519	50.41838	-40823.1
45305_5306	45305	5306	-40.8936	119.6239	1.220625	-68.1752	-35.7079	39696.68
45306_5306	45306	5306	40.88963	-119.624	-1.35319	-60.9026	35.70788	-39696.7
45306_5307	45306	5307	-40.8896	171.6947	1.353188	60.90263	-19.4919	37951.12
45307_5307	45307	5307	40.92244	-277.98	2.290313	71.67825	19.49194	-37953.8
45307_5308	45307	5308	-40.9224	329.6094	-2.29031	-71.6783	-46.7093	34344
45308_5308	45308	5308	40.93031	-329.609	2.128875	-64.2928	46.70925	-34344
45308_5309	45308	5309	-40.9303	382.5058	-2.12888	64.29281	-72.6219	30009.39
45309_5309	45309	5309	40.87913	-478.954	-3.11194	46.37588	72.62194	-30011.2
45309_5310	45309	5310	-40.8791	531.3039	3.111938	-46.3759	-35.133	23925.24
45310_5310	45310	5310	40.86731	-531.304	-3.26288	-42.3032	35.133	-23925.2
45310_5311	45310	5311	-40.8673	583.4378	3.262875	42.30319	4.017563	17237.81
45311_5311	45311	5311	40.89619	-693.646	0.259875	16.55456	-4.01756	-17238.7
45311_5312	45311	5312	-40.8962	748.3967	-0.25988	-16.5546	0.736313	8153.355
45312_5312	45312	5312	40.8975	-748.397	0.06825	-21.7875	-0.73631	-8153.34
45312_5313	45312	5313	-40.8975	795.459	-0.06825	21.7875	0	-207.433

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1	2	3	4	5	6	7	8	9
5000_5000	5000	5000	88.92056	600.5672	0.938438	6.256688	0	-414.173
5000_5001	5000	5001	-82.5983	-551.873	-0.93844	-6.25669	-11.9464	7716.807
5001_5001	5001	5001	82.6035	551.8734	0.926625	-3.42825	11.94638	-7716.81
5001_5002	5001	5002	-77.6908	-514.037	-0.92663	3.42825	-21.1129	12963.41
5002_5002	5002	5002	77.65538	447.1517	-0.80456	14.61994	21.11288	-12963.6
5002_5003	5002	5003	-74.193	-400.671	0.804563	-14.6199	-11.3492	18096.87
5003_5003	5003	5003	74.18775	400.6708	-0.81769	-12.1314	11.34919	-18096.9
5003_5004	5003	5004	-70.7306	-354.239	0.817688	12.13144	-1.43194	22661.27
5004_5004	5004	5004	70.75031	294.9201	0.927938	12.17213	1.431938	-22661.7
5004_5005	5004	5005	-66.8548	-248.459	-0.92794	-12.1721	-12.7011	25942.79
5005_5005	5005	5005	66.85613	248.4589	0.920063	-11.1615	12.70106	-25942.8
5005_5006	5005	5006	-62.958	-201.965	-0.92006	11.1615	-23.8783	28661.66
5006_5006	5006	5006	62.95406	138.0356	-0.22575	24.06863	23.87831	-28662
5006_5007	5006	5007	-59.6597	-91.5836	0.22575	-24.0686	-21.1352	30041.25
5007_5007	5007	5007	59.65838	91.58363	-0.24019	-23.9439	21.13519	-30041.2
5007_5008	5007	5008	-56.3653	-45.1421	0.240188	23.94394	-18.2188	30856.62
5008_5008	5008	5008	56.37056	-16.5611	0.914813	23.82188	18.21881	-30857
5008_5009	5008	5009	-53.5264	63.03544	-0.91481	-23.8219	-29.3331	30361.58
5009_5009	5009	5009	53.52769	-63.0354	0.900375	-24.6278	29.33306	-30361.6
5009_5010	5009	5010	-50.6848	109.5019	-0.90038	24.62775	-40.2701	29302.12
5010_5010	5010	5010	50.68481	-171.435	-0.11681	-0.81769	40.27013	-29302.6
5010_5011	5010	5011	-48.4181	217.8921	0.116813	0.817688	-38.85	26930.29
5011_5011	5011	5011	48.41813	-217.892	-0.11681	-0.81769	38.85	-26930.3
5011_5012	5011	5012	-46.1514	264.348	0.116813	0.817688	-37.4286	23994.06
5012_5012	5012	5012	46.15144	-325.22	0.150938	5.692313	37.42856	-23994.5
5012_5013	5012	5013	-45.1408	371.7013	-0.15094	-5.69231	-39.2543	19758.92
5013_5013	5013	5013	45.14081	-371.701	0.144375	-7.98788	39.25425	-19758.9
5013_5014	5013	5014	-44.1315	418.1402	-0.14438	7.987875	-41.0012	14963.54
5014_5014	5014	5014	44.13938	-478.425	1.040813	1.896563	41.00119	-14963.7
5014_5015	5014	5015	-41.6259	540.2303	-1.04081	-1.89656	-57.8064	6728.37
5015_5015	5015	5015	40.17825	-538.752	0.958125	-3.47288	56.81681	-6665.34
5015_5016	5015	5016	-40.803	568.2626	-0.95813	3.476813	-64.722	2090.504
5016_5016	5016	5016	84.38588	-627.749	-0.45675	-2.29294	73.81894	-2237.73
5016_5017	5016	5017	-88.1777	669.858	0.45675	2.286375	-68.4534	-5700.7
5017_5017	5017	5017	107.6303	-666.834	-0.46594	0.868875	68.67131	5696.729
5017_5018	5017	5018	-113.975	717.885	0.465938	-0.87938	-62.4855	-14851.2
5018_5018	5018	5018	139.3258	-771.93	0.009188	-11.6432	61.52344	14851.75
5018_5019	5018	5019	-147.161	822.4033	-0.00919	11.64975	-61.6416	-24779.2
5019_5019	5019	5019	169.6839	-817.968	0	10.67325	64.10906	24780.34
5019_5020	5019	5020	-178.871	871.7651	0	-10.6667	-64.1064	-35147.8
5020_5020	5020	5020	-3260.93	272.2099	-19.9369	-2.44256	493.0813	7458.766
5020_5021	5020	5021	3256.986	-237.347	19.93688	2.442563	-303.757	-5023.7
5021_5021	5021	5021	-3259.4	237.3643	-19.3883	-1.58156	303.4644	5035.522
5021_5022	5021	5022	3256.054	-211.658	19.38825	1.581563	-153.101	-3281
5022_5022	5022	5022	-3256.07	211.6577	-15.6253	2.380875	153.1005	3280.998
5022_5023	5022	5023	3252.735	-185.989	15.62531	-2.38088	-32.0906	-1727.91
5023_5023	5023	5023	-3252.76	128.8665	-8.11388	0.195563	32.09063	1727.902
5023_5024	5023	5024	3250.031	-102.337	8.113875	-0.19556	32.85581	-791.751
5024_5024	5024	5024	-3250.02	102.3369	-12.6381	-1.09725	-32.8558	791.7499
5024_5025	5024	5025	3247.286	-75.8376	12.63806	1.09725	133.8973	-68.6319
5025_5025	5025	5025	-3247.31	75.83756	-4.02675	-0.56963	-133.897	68.63456
5025_5026	5025	5026	3244.576	-49.3106	4.02675	0.569625	166.1205	443.0042
5026_5026	5026	5026	-3244.58	-11.6511	-3.21431	-0.65494	-166.121	-443.002
5026_5027	5026	5027	3243.17	31.54463	3.214313	0.654938	185.4103	318.9336
5027_5027	5027	5027	-3243.17	-31.5446	-3.78131	-0.61819	-185.41	-318.934
5027_5028	5027	5028	3241.761	51.40538	3.781313	0.618188	208.0654	75.96225
5028_5028	5028	5028	-3241.76	-51.4054	-3.21431	-0.61425	-208.065	-75.9623

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5028_5029	5028	5029	3240.351	71.29894	3.214313	0.61425	227.3552	-286.718
5029_5029	5029	5029	-3240.35	-71.2989	2.239125	0.014438	-227.355	286.7183
5029_5030	5029	5030	3238.943	91.18988	-2.23913	-0.01444	213.9204	-768.71
5030_5030	5030	5030	-3238.96	-151.781	1.479188	-2.22338	-213.92	768.6788
5030_5031	5030	5031	3237.901	178.3005	-1.47919	2.223375	202.0869	-2085.1
5031_5031	5031	5031	-3237.9	-178.301	5.57025	0.468563	-202.087	2085.103
5031_5032	5031	5032	3236.842	204.8169	-5.57025	-0.46856	157.5276	-3613.51
5032_5032	5032	5032	-3236.84	-204.817	5.57025	0.468563	-157.528	3613.505
5032_5033	5032	5033	3235.786	231.3321	-5.57025	-0.46856	112.9669	-5354.04
5033_5033	5033	5033	-3235.72	-289.616	16.10963	-3.57131	-112.967	5354.186
5033_5034	5033	5034	3235.289	315.294	-16.1096	3.571313	-11.8374	-7695.79
5034_5034	5034	5034	-3235.29	-315.294	16.10963	-3.57131	11.83744	7695.794
5034_5035	5034	5035	3234.856	340.9718	-16.1096	3.571313	-136.642	-10236.3
5035_5035	5035	5035	-3234.01	-340.976	19.42106	6.773813	136.5158	10232.29
5035_5036	5035	5036	3233.493	375.7596	-19.4211	-6.77381	-320.522	-13898.3
5036_5036	5036	5036	195.2567	722.1611	1.038188	-40.2609	-0.51713	43956.7
5036_5037	5036	5037	-190.088	-668.221	-1.03819	40.25438	-12.5751	-35027.2
5037_5037	5037	5037	171.7157	672.7901	0.933188	36.309	4.612125	35026.11
5037_5038	5037	5038	-168.978	-622.193	-0.93319	-36.3169	-16.3301	-26741.3
5038_5038	5038	5038	148.3112	574.6729	-0.40688	-7.02975	19.9605	26741.82
5038_5039	5038	5039	-148.005	-523.64	0.406875	7.04025	-14.5517	-19495.8
5039_5039	5039	5039	836.7476	517.8653	-0.60769	6.139875	15.98231	15605.37
5039_5040	5039	5040	-849.144	-475.919	0.607688	-6.13856	-8.83706	-9785.34
5040_5040	5040	5040	838.467	418.4014	0.217875	0.821625	9.075938	9787.096
5040_5041	5040	5041	-817.571	-389.505	-0.21788	-0.82556	-10.8701	-6587.85
5041_5041	5041	5041	927.1303	393.1161	0.069563	-0.36619	10.92394	5998.753
5041_5042	5041	5042	-838.652	-343.723	-0.06956	0.366188	-12.0225	-271.068
5042_5042	5042	5042	838.6573	281.2228	0.002625	0.013125	12.0225	271.0943
5042_5043	5042	5043	-773.784	-243.759	-0.00263	-0.01313	-12.0593	2563.299
5043_5043	5043	5043	773.7844	243.7588	0.002625	0.013125	12.05925	-2563.3
5043_5044	5043	5044	-708.91	-206.295	-0.00263	-0.01313	-12.096	4950.889
5044_5044	5044	5044	708.9259	147.3938	-0.06825	-0.33994	12.096	-4950.96
5044_5045	5044	5045	-643.784	-109.906	0.06825	0.339938	-11.2744	6188.839
5045_5045	5045	5045	643.7839	109.9061	-0.06431	0.439688	11.27438	-6188.84
5045_5046	5045	5046	-578.698	-72.45	0.064313	-0.43969	-10.5144	6978.887
5046_5046	5046	5046	578.7049	13.02788	0.208688	8.0955	10.51444	-6978.98
5046_5047	5046	5047	-513.539	24.4545	-0.20869	-8.0955	-13.0082	6613.412
5047_5047	5047	5047	513.5393	-24.4545	0.0945	-7.91831	13.00819	-6613.41
5047_5048	5047	5048	-448.438	61.89881	-0.0945	7.918313	-14.1317	5801.627
5048_5048	5048	5048	448.4379	-120.837	-0.21656	5.067563	14.13169	-5801.7
5048_5049	5048	5049	-383.505	158.3111	0.216563	-5.06756	-11.5461	3840.261
5049_5049	5049	5049	383.5046	-158.311	-0.336	-4.8195	11.54606	-3840.26
5049_5050	5049	5050	-318.581	195.7791	0.336	4.8195	-7.53244	1432.134
5050_5050	5050	5050	318.5831	-253.784	0.53025	-0.91219	7.532438	-1432.17
5050_5051	5050	5051	-232.314	303.1298	-0.53025	0.912188	-15.8694	-3769.17
5051_5051	5051	5051	231.0735	-300.729	0.43575	2.94525	15.86419	3796.543
5051_5052	5051	5052	-188.554	327.5226	-0.43575	-2.94394	-19.4631	-6518.45
5052_5052	5052	5052	197.8239	-383.196	0.001313	-8.02463	19.17563	6519.477
5052_5053	5052	5053	-145.611	421.8467	-0.00131	8.029875	-19.1874	-11484.2
5053_5053	5053	5053	135.9199	-418.118	-0.105	13.91119	28.92356	11604.94
5053_5054	5053	5054	-107.231	467.5965	0.105	-13.8981	-27.5363	-17870.9
5054_5054	5054	5054	125.4304	-516.285	-0.26644	-19.9303	24.94538	17873.71
5054_5055	5054	5055	-116.31	565.0943	0.266438	19.93163	-21.5959	-24535
5055_5055	5055	5055	132.1688	-559.59	-0.37931	21.80981	26.0295	24539.02
5055_5056	5055	5056	-136.49	611.2404	0.379313	-21.8059	-21.2468	-31774.1
5056_5056	5056	5056	-2665.85	347.5146	-13.2641	0.265125	285.915	9859.136
5056_5057	5056	5057	2674.368	-313.74	13.26413	-0.26513	-159.994	-6761.02
5057_5057	5057	5057	-2676.53	313.74	-14.4887	-2.47275	161.1579	6720.554

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5057_5058	5057	5058	2683.549	-286.776	14.48869	2.47275	-48.8749	-4427.12
5058_5058	5058	5058	-2683.56	286.776	-10.7336	4.2525	48.87488	4427.116
5058_5059	5058	5059	2690.58	-259.815	10.73363	-4.2525	34.29563	-2342.82
5059_5059	5059	5059	-2690.58	204.9482	-10.9502	-2.35725	-34.2956	2342.828
5059_5060	5059	5060	2698.375	-177.08	10.95019	2.35725	122.0021	-849.563
5060_5060	5060	5060	-2698.39	177.0799	-3.927	2.055375	-122.002	849.5589
5060_5061	5060	5061	2706.177	-149.25	3.927	-2.05538	153.4129	418.8437
5061_5061	5061	5061	-2706.18	149.2496	-3.927	2.055375	-153.413	-418.844
5061_5062	5061	5062	2713.961	-121.421	3.927	-2.05538	184.8223	1464.661
5062_5062	5062	5062	-2713.97	63.98175	-1.91231	1.085438	-184.822	-1464.61
5062_5063	5062	5063	2720.423	-43.0933	1.912313	-1.08544	196.3067	1756.036
5063_5063	5063	5063	-2720.42	43.09331	-2.23781	1.141875	-196.307	-1756.04
5063_5064	5063	5064	2726.868	-22.239	2.237813	-1.14188	209.7152	1921.895
5064_5064	5064	5064	-2726.87	22.239	2.937375	0.091875	-209.715	-1921.9
5064_5065	5064	5065	2733.322	-1.35319	-2.93738	-0.09188	192.0857	1962.741
5065_5065	5065	5065	-2733.32	1.353188	2.937375	0.091875	-192.086	-1962.74
5065_5066	5065	5066	2739.777	19.53263	-2.93738	-0.09188	174.4562	1878.212
5066_5066	5066	5066	-2739.78	-77.3115	5.546625	-0.08794	-174.456	-1878.08
5066_5067	5066	5067	2749.054	105.1352	-5.54663	0.087938	130.1029	1106.032
5067_5067	5067	5067	-2749.05	-105.135	5.546625	-0.08794	-130.103	-1106.03
5067_5068	5067	5068	2758.326	132.9576	-5.54663	0.087938	85.74956	111.51
5068_5068	5068	5068	-2758.32	-132.958	9.415875	2.01075	-85.7496	-111.513
5068_5069	5068	5069	2767.601	160.8128	-9.41588	-2.01075	10.36481	-1107.04
5069_5069	5069	5069	-2767.58	-214.701	12.096	-5.81569	-10.3648	1107.136
5069_5070	5069	5070	2777.266	241.6496	-12.096	5.815688	-83.3188	-2918.52
5070_5070	5070	5070	-2777.25	-241.65	16.08469	0.780938	83.31881	2918.525
5070_5071	5070	5071	2786.944	268.6307	-16.0847	-0.78094	-208.044	-4941.19
5071_5071	5071	5071	-2782.72	-268.624	17.83294	5.268375	210.0617	4973.738
5071_5072	5071	5072	2794.351	302.4105	-17.8329	-5.26838	-379.425	-7738.58
5072_5072	5072	5072	83.54325	658.4944	0.153563	-19.6009	28.455	29193.02
5072_5073	5072	5073	-42.8505	-607.344	-0.15356	19.60744	-30.3857	-21305.3
5073_5073	5073	5073	25.914	612.9454	0.03675	20.67056	26.0715	21302.74
5073_5074	5073	5074	13.66969	-564.746	-0.03675	-20.6653	-26.5388	-13970.8
5074_5074	5074	5074	-32.7298	519.9889	0.627375	0.34125	28.34213	13969.7
5074_5075	5074	5075	64.06444	-471.056	-0.62738	-0.31631	-36.6765	-7409.83
5075_5075	5075	5075	583.5939	466.8799	-0.23756	0.742875	21.73631	3857.027
5075_5076	5075	5076	-591.875	-429.545	0.237563	-0.74681	-18.9381	1368.382
5076_5076	5076	5076	582.0885	376.6468	-0.07875	6.124125	18.88163	-1367.42
5076_5077	5076	5077	-572.258	-350.818	0.07875	-6.12413	-18.2267	4304.315
5077_5077	5077	5077	529.1081	354.3606	-0.168	-4.91925	20.53013	-4266.09
5077_5078	5077	5078	-497.2	-307.033	0.168	4.91925	-18.1269	8828.538
5078_5078	5078	5078	497.2013	253.9031	-0.08138	13.37831	18.12694	-8828.69
5078_5079	5078	5079	-472.799	-216.682	0.081375	-13.3783	-17.2095	11350.51
5079_5079	5079	5079	472.7993	216.6819	-0.20344	-12.6853	17.2095	-11350.5
5079_5080	5079	5080	-448.4	-179.466	0.203438	12.68531	-14.9284	13454.73
5080_5080	5080	5080	448.4064	127.4044	0.095813	15.65288	14.92838	-13454.9
5080_5081	5080	5081	-424.463	-90.1871	-0.09581	-15.6529	-16.0059	14559.85
5081_5081	5081	5081	424.4625	90.18713	-0.02494	-15.0504	16.00594	-14559.9
5081_5082	5081	5082	-400.521	-52.9738	0.024938	15.05044	-15.7198	15247.46
5082_5082	5082	5082	400.5317	-1.05263	-0.14569	0.48825	15.71981	-15247.7
5082_5083	5082	5083	-375.491	41.02088	0.145688	-0.48825	-13.965	14873.81
5083_5083	5083	5083	375.4905	-41.0209	-0.14831	-0.16406	13.965	-14873.8
5083_5084	5083	5084	-350.428	81.02194	0.148313	0.164063	-12.1774	14017.65
5084_5084	5084	5084	350.4309	-135.038	-0.13519	12.18394	12.17738	-14017.9
5084_5085	5084	5085	-327.595	172.2459	0.135188	-12.1839	-10.6575	12185.12
5085_5085	5085	5085	327.5934	-172.246	-0.25725	-12.1039	10.6575	-12185.1
5085_5086	5085	5086	-304.759	209.4501	0.25725	12.10388	-7.77394	9935.445
5086_5086	5086	5086	304.7559	-261.132	-0.04988	6.895875	7.773938	-9935.51

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5086_5087	5086	5087	-282.568	298.3378	0.049875	-6.89588	-7.22006	6692.242
5087_5087	5087	5087	282.5668	-298.338	-0.17325	-6.84206	7.220063	-6692.24
5087_5088	5087	5088	-260.361	335.5721	0.17325	6.842063	-5.27363	3028.737
5088_5088	5088	5088	260.3711	-385.634	0.2835	-1.44638	5.273625	-3028.77
5088_5089	5088	5089	-232.895	431.1707	-0.2835	1.446375	-9.15731	-2707.84
5089_5089	5089	5089	236.6254	-428.71	0.195563	1.605188	9.107438	2781.923
5089_5090	5089	5090	-220.215	456.0163	-0.19556	-1.60519	-10.7258	-6701
5090_5090	5090	5090	231.8991	-507.42	-0.30319	-14.574	10.23488	6701.69
5090_5091	5090	5091	-211.977	546.7547	0.303188	14.57006	-6.67013	-13062.6
5091_5091	5091	5091	207.3724	-541.478	-0.46594	12.40706	12.68269	13174.14
5091_5092	5091	5092	-196.374	590.0541	0.465938	-12.4097	-6.4995	-20716.8
5092_5092	5092	5092	217.8094	-637.433	-0.44756	-12.3598	4.6515	20719.09
5092_5093	5092	5093	-215.644	685.4361	0.447563	12.35325	0.956813	-29165.5
5093_5093	5093	5093	234.5844	-678.507	-0.50531	12.62494	1.623563	29169.11
5093_5094	5093	5094	-238.935	729.4731	0.505313	-12.6315	4.7355	-38169.7
5094_5094	5094	5094	-2989.84	308.9743	-8.79506	-4.40344	110.8879	10686.38
5094_5095	5094	5095	2992.865	-275.78	8.795063	4.403438	-27.3801	-7819.19
5095_5095	5095	5095	-2994.92	275.7825	-7.47206	-1.00406	26.57156	7829.166
5095_5096	5095	5096	2997.253	-249.454	7.472063	1.004063	31.37138	-5804.23
5096_5096	5096	5096	-2997.26	249.4538	-3.51619	6.953625	-31.3714	5804.229
5096_5097	5096	5097	2999.591	-223.159	3.516188	-6.95363	58.59919	-3985.74
5097_5097	5097	5097	-2999.6	170.4938	0.240188	-1.08544	-58.5992	3985.696
5097_5098	5097	5098	3002.51	-143.316	-0.24019	1.085438	56.67375	-2743.64
5098_5098	5098	5098	-3002.51	143.3158	0.240188	-1.08544	-56.6738	2743.637
5098_5099	5098	5099	3005.418	-116.139	-0.24019	1.085438	54.74831	-1719.09
5099_5099	5099	5099	-3005.42	116.1392	4.083188	1.871625	-54.7483	1719.09
5099_5100	5099	5100	3008.32	-88.998	-4.08319	-1.87163	22.11169	-912.955
5100_5100	5100	5100	-3008.32	33.20363	4.765688	2.653875	-22.1117	912.9553
5100_5101	5100	5101	3011.033	-12.8218	-4.76569	-2.65388	-6.49556	-787.259
5101_5101	5101	5101	-3011.02	12.82181	10.04194	5.31825	6.495563	787.2533
5101_5102	5101	5102	3013.732	7.558688	-10.0419	-5.31825	-66.7669	-783.893
5102_5102	5102	5102	-3013.73	-7.55869	-11.0578	-5.60306	66.76688	783.8959
5102_5103	5102	5103	3016.444	27.94313	11.05781	5.603063	-0.38456	-902.899
5103_5103	5103	5103	-3016.46	-27.9431	-5.95088	-2.69981	0.384563	902.9042
5103_5104	5103	5104	3019.165	48.29344	5.950875	2.699813	35.27869	-1143.77
5104_5104	5104	5104	-3019.17	-104.444	-3.927	-2.58956	-35.2787	1143.773
5104_5105	5104	5105	3023.472	131.6214	3.927	2.589563	66.71044	-2107.81
5105_5105	5105	5105	-3023.48	-131.621	-0.09056	1.177313	-66.7104	2107.809
5105_5106	5105	5106	3027.775	158.7639	0.090563	-1.17731	67.42969	-3287.71
5106_5106	5106	5106	-3027.77	-158.764	0.028875	1.340063	-67.4297	3287.714
5106_5107	5106	5107	3032.08	185.9406	-0.02888	-1.34006	67.19869	-4686.47
5107_5107	5107	5107	-3032.07	-238.413	5.635875	-4.22625	-67.1987	4686.544
5107_5108	5107	5108	3036.827	264.7391	-5.63588	4.22625	23.50556	-6658.13
5108_5108	5108	5108	-3036.83	-264.739	5.519063	-4.51369	-23.5056	6658.133
5108_5109	5108	5109	3041.578	291.0324	-5.51906	4.513688	-19.2334	-8830.9
5109_5109	5109	5109	-3042.38	-291.044	8.855438	6.143813	18.68869	8834.855
5109_5110	5109	5110	3048.443	324.2689	-8.85544	-6.14381	-102.841	-11903.4
5110_5110	5110	5110	202.4098	706.2143	0.014438	-26.5624	11.53819	39553.38
5110_5111	5110	5111	-181.027	-655.468	-0.01444	26.56369	-11.7167	-30938.5
5111_5111	5111	5111	162.8301	662.1103	-0.09581	25.62656	6.279	30935.94
5111_5112	5111	5112	-142.066	-614.375	0.095813	-25.6266	-5.07413	-23112.1
5112_5112	5112	5112	121.8144	573.5914	0.153563	-4.20394	7.605938	23111.01
5112_5113	5112	5113	-104.672	-525.236	-0.15356	4.203938	-9.65344	-15842.3
5113_5113	5113	5113	670.1218	523.5444	-0.19688	5.369438	18.13875	12630.92
5113_5114	5113	5114	-676.868	-484.444	0.196875	-5.376	-15.8169	-6725.12
5114_5114	5114	5114	665.9783	433.8206	-0.02231	0.88725	15.95606	6726.421
5114_5115	5114	5115	-650.584	-406.826	0.022313	-0.89119	-15.7684	-3337.16
5115_5115	5115	5115	722.9263	410.3046	-0.06563	-0.04725	15.57938	2696.105

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5115_5116	5115	5116	-666.213	-366.291	0.065625	0.04725	-14.6488	2812.32
5116_5116	5116	5116	666.2132	312.6336	-0.32419	4.896938	14.64881	-2812.32
5116_5117	5116	5117	-623.842	-277.986	0.324188	-4.89694	-11.0198	5923.784
5117_5117	5117	5117	623.8418	277.9862	-0.38063	-4.62131	11.01975	-5923.78
5117_5118	5117	5118	-581.472	-243.34	0.380625	4.621313	-6.75019	8646.742
5118_5118	5118	5118	581.4716	192.3023	0.009188	6.428625	6.750188	-8646.76
5118_5119	5118	5119	-539.898	-157.658	-0.00919	-6.42863	-6.85388	10412.4
5119_5119	5119	5119	539.8982	157.6575	-0.04725	-6.26456	6.853875	-10412.4
5119_5120	5119	5120	-498.326	-123.013	0.04725	6.264563	-6.31838	11789.61
5120_5120	5120	5120	498.3261	69.96544	-0.20213	18.73594	6.318375	-11789.6
5120_5121	5120	5121	-454.868	-32.7246	0.202125	-18.7359	-3.88106	12202.91
5121_5121	5121	5121	454.8666	32.72456	-0.36094	-18.6191	3.881063	-12202.9
5121_5122	5121	5122	-411.445	4.4835	0.360938	18.61913	0.460688	12167.65
5122_5122	5122	5122	411.4451	-56.5701	-0.14569	5.838	-0.46069	-12167.7
5122_5123	5122	5123	-371.906	91.2135	0.145688	-5.838	2.0895	11151.95
5123_5123	5123	5123	371.9061	-91.2135	-0.20213	-5.82881	-2.0895	-11152
5123_5124	5123	5124	-332.368	125.8556	0.202125	5.828813	4.3575	9747.888
5124_5124	5124	5124	332.3591	-175.857	0.001313	7.482563	-4.3575	-9747.85
5124_5125	5124	5125	-293.503	210.5001	-0.00131	-7.48256	4.345688	7397.838
5125_5125	5125	5125	293.5013	-210.5	-0.11288	-7.55738	-4.34569	-7397.84
5125_5126	5125	5126	-254.645	245.1409	0.112875	7.557375	5.610938	4659.513
5126_5126	5126	5126	254.6355	-291.971	-0.64575	-0.11681	-5.61094	-4659.51
5126_5127	5126	5127	-206.677	334.2137	0.64575	0.116813	14.44275	160.8744
5127_5127	5127	5127	211.6223	-331.814	-0.72581	-0.05644	-14.5005	-102.755
5127_5128	5127	5128	-182.069	356.6693	0.725813	0.056438	20.49338	-3052.19
5128_5128	5128	5128	191.4767	-400.79	1.715438	-6.48113	-20.7139	3053.147
5128_5129	5128	5129	-156.646	436.6373	-1.71544	6.48375	0.544688	-8467.46
5129_5129	5129	5129	157.8636	-430.614	1.479188	11.90831	-3.3495	8533.36
5129_5130	5129	5130	-144.153	477.5636	-1.47919	-11.8978	-16.2894	-14639.8
5130_5130	5130	5130	162.2421	-522.008	-4.51369	-9.87919	14.70919	14642.87
5130_5131	5130	5131	-163.8	568.4083	4.513688	9.863438	41.93831	-21785.1
5131_5131	5131	5131	179.6432	-561.31	-4.57013	10.06163	-39.984	21789.62
5131_5132	5131	5132	-190.07	610.5999	4.570125	-10.0787	97.50038	-29454.3
5132_5132	5132	5132	-2529.07	298.1396	30.33975	12.70763	-375.162	7934.818
5132_5133	5132	5133	2531.999	-266.023	-30.3398	-12.7076	86.93738	-5038.75
5133_5133	5133	5133	-2542.86	266.0228	33.93731	20.27944	-86.7431	5091.968
5133_5134	5133	5134	2545.717	-242.07	-33.9373	-20.2794	-176.275	-3137.48
5134_5134	5134	5134	-2545.93	242.0696	-1.84013	-30.6062	176.2753	3137.417
5134_5135	5134	5135	2548.784	-218.082	1.840125	30.60619	-161.997	-1366.29
5135_5135	5135	5135	-2548.76	155.1493	-4.50844	-0.92138	161.9966	1366.76
5135_5136	5135	5136	2551.154	-130.421	4.508438	0.921375	-125.932	-236.992
5136_5136	5136	5136	-2551.16	130.4205	-1.03819	0.542063	125.9318	236.9916
5136_5137	5136	5137	2553.553	-105.693	1.038188	-0.54206	-117.628	694.9268
5137_5137	5137	5137	-2553.55	105.693	-4.5465	0.164063	117.6276	-694.927
5137_5138	5137	5138	2555.94	-80.9957	4.5465	-0.16406	-81.2949	1428.227
5138_5138	5138	5138	-2555.95	21.63788	-4.347	0.22575	81.29494	-1428.38
5138_5139	5138	5139	2558.275	-3.09094	4.347	-0.22575	-55.2143	1491.114
5139_5139	5139	5139	-2558.28	3.090938	0.279563	-0.42525	55.21425	-1491.11
5139_5140	5139	5140	2560.598	15.45469	-0.27956	0.42525	-56.8929	1442.561
5140_5140	5140	5140	-2560.6	-15.4547	-4.347	0.065625	56.89294	-1442.56
5140_5141	5140	5141	2562.916	34.00163	4.347	-0.06563	-30.8109	1282.721
5141_5141	5141	5141	-2562.92	-34.0016	0.279563	-0.08006	30.81094	-1282.72
5141_5142	5141	5142	2565.239	52.54725	-0.27956	0.080063	-32.4896	1011.603
5142_5142	5142	5142	-2565.24	-110.826	-2.90325	-0.06431	32.48963	-1011.75
5142_5143	5142	5143	2568.871	135.5537	2.90325	0.064313	-9.26363	8.839688
5143_5143	5143	5143	-2568.87	-135.554	-2.90325	-0.06431	9.263625	-8.83969
5143_5144	5143	5144	2572.5	160.2825	2.90325	0.064313	13.96238	-1191.91
5144_5144	5144	5144	-2572.5	-160.283	-2.90325	-0.06431	-13.9624	1191.91

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5144_5145	5144	5145	2576.13	185.0113	2.90325	0.064313	37.18838	-2590.5
5145_5145	5145	5145	-2576.13	-238.382	-1.10906	2.88225	-37.1884	2590.38
5145_5146	5145	5146	2580.319	262.3373	1.109063	-2.88225	45.78394	-4550.32
5146_5146	5146	5146	-2580.32	-262.337	-1.10906	2.88225	-45.7839	4550.319
5146_5147	5146	5147	2584.512	286.2917	1.109063	-2.88225	54.3795	-6695.92
5147_5147	5147	5147	-2567.04	-286.285	-4.59244	-7.36706	-54.2876	6610.681
5147_5148	5147	5148	2571.66	318.4046	4.592438	7.367063	97.92169	-9504.65
5148_5148	5148	5148	167.6666	590.0751	0.023625	-11.5592	-11.7049	30835.49
5148_5149	5148	5149	-140.376	-540.989	-0.02363	11.55394	11.41613	-23743
5149_5149	5149	5149	125.2033	548.0659	-0.02888	10.67194	-13.7196	23739.72
5149_5150	5149	5150	-100.027	-501.922	0.028875	-10.6772	14.0805	-17165.5
5150_5150	5150	5150	83.22694	467.2211	0.145688	-0.82294	-13.0371	17163.58
5150_5151	5150	5151	-64.8073	-420.518	-0.14569	0.821625	11.10638	-11262
5151_5151	5151	5151	757.9753	416.8763	0.042	0.358313	-9.27413	7472.412
5151_5152	5151	5152	-762.055	-379.931	-0.042	-0.35963	8.778	-2877.1
5152_5152	5152	5152	753.4144	331.9431	0.139125	-0.08663	-8.75963	2877.95
5152_5153	5152	5153	-733.247	-306.452	-0.13913	0.087938	7.615125	-358.49
5153_5153	5153	5153	775.2373	310.6333	0.140438	0.044625	-7.67944	137.1195
5153_5154	5153	5154	-713.029	-269.484	-0.14044	-0.04463	5.74875	3575.788
5154_5154	5154	5154	713.0288	214.8458	0.139125	0.023625	-5.74875	-3575.79
5154_5155	5154	5155	-664.962	-181.902	-0.13913	-0.02363	4.218375	5547.587
5155_5155	5155	5155	664.9624	181.902	0.139125	0.023625	-4.21838	-5547.59
5155_5156	5155	5156	-616.896	-148.958	-0.13913	-0.02363	2.689313	7156.982
5156_5156	5156	5156	616.8986	96.93469	0.049875	-0.02231	-2.68931	-7156.99
5156_5157	5156	5157	-573.157	-66.9559	-0.04988	0.022313	2.195813	7785.909
5157_5157	5157	5157	573.1569	66.95588	0.049875	0.09975	-2.19581	-7785.91
5157_5158	5157	5158	-529.46	-37.0073	-0.04988	-0.09975	1.69575	8114.544
5158_5158	5158	5158	529.4494	-12.8244	0.12075	-5.02688	-1.69575	-8114.51
5158_5159	5158	5159	-485.909	42.80325	-0.12075	5.026875	0.481688	7645.681
5159_5159	5159	5159	485.9085	-42.8033	0.191625	5.0925	-0.48169	-7645.68
5159_5160	5159	5160	-442.368	72.78206	-0.19163	-5.0925	-1.43981	6876.741
5160_5160	5160	5160	442.3676	-125.5	0.153563	0.038063	1.439813	-6876.77
5160_5161	5160	5161	-394.515	158.4437	-0.15356	-0.03806	-3.13163	5105.949
5161_5161	5161	5161	394.5152	-158.444	0.153563	0.038063	3.131625	-5105.95
5161_5162	5161	5162	-346.664	191.3874	-0.15356	-0.03806	-4.82344	2972.723
5162_5162	5162	5162	346.6798	-241.979	-0.13256	-0.063	4.823438	-2972.69
5162_5163	5162	5163	-285.309	283.1299	0.132563	0.063	-2.99644	-912.005
5163_5163	5163	5163	290.1833	-279.95	-0.189	0.232313	2.957063	904.9339
5163_5164	5163	5164	-254.716	305.4988	0.189	-0.23494	-1.39388	-3503.74
5164_5164	5164	5164	263.1838	-352.674	0.237563	3.8535	1.51725	3504.644
5164_5165	5164	5165	-218.546	389.55	-0.23756	-3.84694	-4.30631	-8135.88
5165_5165	5165	5165	201.5331	-382.338	0.44625	-5.7015	3.297	8291.008
5165_5166	5165	5166	-174.682	429.8936	-0.44625	5.70675	-9.21375	-13947.7
5166_5166	5166	5166	191.4557	-471.657	0.253313	-8.56931	8.81475	13950.91
5166_5167	5166	5167	-183.314	518.5622	-0.25331	8.564063	-12.0002	-20400.3
5167_5167	5167	5167	197.9079	-510.081	0.195563	9.201938	13.88494	20404.96
5167_5168	5167	5168	-203.449	559.8062	-0.19556	-9.20719	-16.3524	-27077.8
5168_5168	5168	5168	-2402.72	323.4473	-1.77713	-3.27338	12.70763	8066.095
5168_5169	5168	5169	2409.01	-290.889	1.777125	3.273375	4.181625	-5176.08
5169_5169	5169	5169	-2418.64	290.8789	1.568438	4.024125	-3.88631	5223.066
5169_5170	5169	5170	2424.257	-266.294	-1.56844	-4.02413	-8.25694	-3092.05
5170_5170	5170	5170	-2424.26	266.2944	-1.88606	-0.861	8.256938	3092.054
5170_5171	5170	5171	2429.882	-241.677	1.886063	0.861	6.360375	-1148.92
5171_5171	5171	5171	-2429.87	181.6907	2.181375	0.584063	-6.36038	1148.747
5171_5172	5171	5172	2435.979	-156.281	-2.18138	-0.58406	-11.0906	175.9209
5172_5172	5172	5172	-2435.98	156.2807	-1.20094	-0.29006	11.09063	-175.921
5172_5173	5172	5173	2442.091	-130.871	1.200938	0.290063	-1.48575	1297.312
5173_5173	5173	5173	-2442.09	130.8707	-1.20094	-0.29006	1.48575	-1297.31

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5173_5174	5173	5174	2448.202	-105.461	1.200938	0.290063	8.119125	2215.407
5174_5174	5174	5174	-2448.21	42.72056	2.580375	-1.05263	-8.11913	-2215.57
5174_5175	5174	5175	2453.171	-23.6631	-2.58038	1.052625	-7.36181	2392.815
5175_5175	5175	5175	-2453.17	23.66306	-1.92938	1.143188	7.361813	-2392.81
5175_5176	5175	5176	2458.135	-4.60556	1.929375	-1.14319	4.213125	2455.706
5176_5176	5176	5176	-2458.14	4.605563	2.580375	-1.06444	-4.21313	-2455.71
5176_5177	5176	5177	2463.099	14.45194	-2.58038	1.064438	-11.2665	2404.244
5177_5177	5177	5177	-2463.1	-14.4519	-1.92938	0.966	11.2665	-2404.24
5177_5178	5177	5178	2468.063	33.50944	1.929375	-0.966	0.308438	2238.427
5178_5178	5178	5178	-2468.07	-96.3716	-0.63131	-0.49219	-0.30844	-2238.61
5178_5179	5178	5179	2475.101	121.7829	0.631313	0.492188	5.356313	1335.188
5179_5179	5179	5179	-2475.1	-121.783	-0.63131	-0.49219	-5.35631	-1335.19
5179_5180	5179	5180	2482.132	147.1929	0.631313	0.492188	10.4055	228.4695
5180_5180	5180	5180	-2482.13	-147.193	2.751	0.959438	-10.4055	-228.47
5180_5181	5180	5181	2489.162	172.6029	-2.751	-0.95944	-11.6012	-1081.53
5181_5181	5181	5181	-2489.16	-230.65	-2.10919	-1.16813	11.60119	1081.545
5181_5182	5181	5182	2496.744	255.2668	2.109188	1.168125	4.75125	-2997.51
5182_5182	5182	5182	-2496.75	-255.267	1.38075	4.68825	-4.75125	2997.51
5182_5183	5182	5183	2504.333	279.8828	-1.38075	-4.68825	-5.95219	-5104.24
5183_5183	5183	5183	-2487.16	-279.871	-2.01206	-3.72488	6.17925	5020.427
5183_5184	5183	5184	2496.023	312.4301	2.012063	3.724875	12.93338	-8029.82
5184_5184	5184	5184	181.1775	580.6434	-0.0735	9.709875	-12.0146	27457.45
5184_5185	5184	5185	-146.423	-531.296	0.0735	-9.70856	12.93731	-20518.3
5185_5185	5185	5185	131.3996	540.5531	0	-9.16388	-10.9279	20514.53
5185_5186	5185	5186	-100.695	-494.101	0	9.165188	10.92788	-13947.4
5186_5186	5186	5186	83.66138	455.8103	-0.48825	-0.651	-11.6904	13945.2
5186_5187	5186	5187	-63.3321	-408.673	0.48825	0.647063	18.16631	-8239.62
5187_5187	5187	5187	727.6592	407.7386	0.098438	0.3465	-2.59744	4314.71
5187_5188	5187	5188	-735.891	-369.188	-0.09844	-0.33994	1.447688	562.5221
5188_5188	5188	5188	727.3744	316.7286	-0.05644	-0.00263	-1.43588	-561.071
5188_5189	5188	5189	-713.115	-290.114	0.056438	0	1.90575	2933.153
5189_5189	5189	5189	737.1617	294.9201	-0.06694	-0.0735	-1.79025	-2929.24
5189_5190	5189	5190	-689.687	-249.956	0.066938	0.0735	2.70375	6468.537
5190_5190	5190	5190	689.6859	192.4309	0.271688	-0.03938	-2.70375	-6468.54
5190_5191	5190	5191	-651.532	-156.459	-0.27169	0.039375	-0.28744	8221.605
5191_5191	5191	5191	651.5316	156.4592	0.271688	-0.03938	0.287438	-8221.61
5191_5192	5191	5192	-613.376	-120.489	-0.27169	0.039375	-3.27731	9578.969
5192_5192	5192	5192	613.3903	64.17075	-0.22181	0.056438	3.277313	-9578.98
5192_5193	5192	5193	-578.154	-31.4055	0.221813	-0.05644	-1.05788	9904.897
5193_5193	5193	5193	578.1536	31.4055	-0.22181	-0.09188	1.057875	-9904.9
5193_5194	5193	5194	-542.882	1.393875	0.221813	0.091875	1.172063	9902.307
5194_5194	5194	5194	542.8539	-55.6159	0.208688	-0.01969	-1.17206	-9902.32
5194_5195	5194	5195	-507.457	88.41394	-0.20869	0.019688	-0.92531	9026.593
5195_5195	5195	5195	507.4571	-88.4139	0.208688	-0.01969	0.925313	-9026.59
5195_5196	5195	5196	-472.06	121.2133	-0.20869	0.019688	-3.02269	7821.873
5196_5196	5196	5196	472.0695	-178.952	-0.0315	-0.021	3.022688	-7821.87
5196_5197	5196	5197	-433.052	214.9232	0.0315	0.021	-2.6775	5486.729
5197_5197	5197	5197	433.0515	-214.923	-0.0315	-0.021	2.6775	-5486.73
5197_5198	5197	5198	-394.032	250.8936	0.0315	0.021	-2.33231	2755.881
5198_5198	5198	5198	394.0361	-307.339	0.035438	-0.01313	2.332313	-2755.89
5198_5199	5198	5199	-343.472	352.2698	-0.03544	0.013125	-2.82713	-2053.85
5199_5199	5199	5199	347.6209	-348.343	0.032813	-0.01444	2.710313	1953.004
5199_5200	5199	5200	-316.981	376.1822	-0.03281	0.013125	-2.982	-5180.74
5200_5200	5200	5200	327.3795	-430.046	-0.00788	1.1655	3.022688	5181.899
5200_5201	5200	5201	-288.959	470.2294	0.007875	-1.16025	-2.93344	-10843.8
5201_5201	5201	5201	283.6352	-460.71	0.095813	-1.70363	5.66475	10957.69
5201_5202	5201	5202	-265.37	513.9855	-0.09581	1.712813	-6.93131	-17619.3
5202_5202	5202	5202	285.4963	-564.013	-0.12075	10.87931	8.036438	17623.41

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5202_5203	5202	5203	-281.501	616.3408	0.12075	-10.8846	-6.51788	-25070
5203_5203	5203	5203	298.7473	-605.782	-0.0525	-11.193	4.21575	25076.02
5203_5204	5203	5204	-305.217	660.9356	0.0525	11.18644	-3.55031	-33245.4
5204_5204	5204	5204	-2754.64	352.5454	-3.03188	3.01875	111.0401	10065.48
5204_5205	5204	5205	2758.38	-315.973	3.031875	-3.01875	-82.236	-6808.53
5205_5205	5205	5205	-2761.61	315.9713	-6.46669	-4.62131	83.85169	6486.071
5205_5206	5205	5206	2765.024	-288.079	6.466688	4.621313	-33.7313	-4161.56
5206_5206	5206	5206	-2765.03	288.0793	-2.44256	1.849313	33.73125	4161.557
5206_5207	5206	5207	2768.444	-260.187	2.442563	-1.84931	-14.8037	-2053.25
5207_5207	5207	5207	-2768.44	198.0891	-4.78931	0.087938	14.80369	2053.244
5207_5208	5207	5208	2772.362	-169.297	4.789313	-0.08794	23.51213	-601.995
5208_5208	5208	5208	-2772.36	169.2968	-4.78931	0.087938	-23.5121	601.9952
5208_5209	5208	5209	2776.288	-140.506	4.789313	-0.08794	61.82663	618.9081
5209_5209	5209	5209	-2776.29	140.5058	-4.78931	0.087938	-61.8266	-618.908
5209_5210	5209	5210	2780.215	-111.715	4.789313	-0.08794	100.1424	1609.466
5210_5210	5210	5210	-2780.27	47.85638	1.770563	-0.30844	-100.142	-1609.47
5210_5211	5210	5211	2783.717	-26.2631	-1.77056	0.308438	89.51775	1816.052
5211_5211	5211	5211	-2783.72	26.26313	-3.42825	0.706125	-89.5178	-1816.05
5211_5212	5211	5212	2787.163	-4.66988	3.42825	-0.70613	110.0873	1893.066
5212_5212	5212	5212	-2787.16	4.669875	1.770563	-0.33994	-110.087	-1893.07
5212_5213	5212	5213	2790.61	16.92338	-1.77056	0.339938	99.46388	1840.519
5213_5213	5213	5213	-2790.61	-16.9234	-3.42825	0.521063	-99.4639	-1840.52
5213_5214	5213	5214	2794.057	38.51663	3.42825	-0.52106	120.0334	1658.395
5214_5214	5214	5214	-2794.14	-102.073	2.271938	0.413438	-120.033	-1658.26
5214_5215	5214	5215	2799.379	130.8641	-2.27194	-0.41344	101.8592	702.8359
5215_5215	5215	5215	-2799.37	-130.864	6.170063	1.365	-101.859	-702.839
5215_5216	5215	5216	2804.617	159.6551	-6.17006	-1.365	52.49081	-482.913
5216_5216	5216	5216	-2804.62	-159.655	2.271938	-1.17075	-52.4908	482.9147
5216_5217	5216	5217	2809.867	188.4461	-2.27194	1.17075	34.31663	-1899.03
5217_5217	5217	5217	-2809.89	-248.611	2.737875	-21.798	-34.3166	1898.823
5217_5218	5217	5218	2815.568	276.4663	-2.73788	21.798	13.12631	-3956.31
5218_5218	5218	5218	-2815.56	-276.466	6.80925	-14.4008	-13.1263	3956.325
5218_5219	5218	5219	2821.242	304.3583	-6.80925	14.40075	-39.6493	-6232.47
5219_5219	5219	5219	-2810.29	-304.354	25.87331	37.60706	39.76481	6524.41
5219_5220	5219	5220	2816.972	340.9245	-25.8733	-37.6071	-285.558	-9620.04
5220_5220	5220	5220	263.2599	674.1788	0.68775	-46.1606	-1.90313	32428.51
5220_5221	5220	5221	-234.31	-619.407	-0.68775	46.16719	-6.7515	-24286.5
5221_5221	5221	5221	216.8329	629.8005	0.47775	45.25106	-2.90063	24281.86
5221_5222	5221	5222	-190.379	-577.923	-0.47775	-45.2458	-3.10013	-16865.4
5222_5222	5222	5222	170.1984	529.6082	1.103813	-3.3495	7.413	16862.96
5222_5223	5222	5223	-150.667	-476.751	-1.10381	3.277313	-22.0566	-10093.8
5223_5223	5223	5223	816.9827	476.2472	0.668063	3.12375	-1.47394	6323.689
5223_5224	5223	5224	-819.436	-434.029	-0.66806	-3.15394	-6.38138	-1032.48
5224_5224	5224	5224	809.2521	372.3759	0.305813	15.67388	6.272438	1033.985
5224_5225	5224	5225	-787.95	-343.173	-0.30581	-15.6673	-8.79113	1838.155
5225_5225	5225	5225	753.0941	348.8428	0.023625	-11.4634	9.282	-1578.14
5225_5226	5225	5226	-692.01	-292.161	-0.02363	11.46338	-9.65344	6259.407
5226_5226	5226	5226	691.9986	221.8374	1.048688	26.25525	9.653438	-6259.34
5226_5227	5226	5227	-644.704	-178.331	-1.04869	-26.2553	-22.0776	8424.052
5227_5227	5227	5227	644.7118	178.3307	0.753375	-25.6646	22.07756	-8424.06
5227_5228	5227	5228	-597.412	-134.819	-0.75338	25.66463	-31.0052	10073.2
5228_5228	5228	5228	597.1823	65.22469	0.50925	27.951	31.00519	-10071.3
5228_5229	5228	5229	-549.602	-18.9853	-0.50925	-27.951	-37.0466	10362.47
5229_5229	5229	5229	549.5923	19.2045	0.213938	-27.678	37.04663	-10362.5
5229_5230	5229	5230	-504.94	27.04144	-0.21394	27.678	-39.5903	10119.57
5230_5230	5230	5230	504.8531	-98.1159	-0.34125	16.42856	39.59025	-10117.9
5230_5231	5230	5231	-459.723	145.6547	0.34125	-16.4286	-35.4283	8433.464
5231_5231	5231	5231	459.7189	-145.43	-0.57094	-17.1491	35.42831	-8433.46

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5231_5232	5231	5232	-417.683	192.9756	0.570938	17.14913	-28.4668	6184.199
5232_5232	5232	5232	417.2805	-265.838	6.0165	6.949688	28.46681	-6183.16
5232_5233	5232	5233	-387.692	301.6808	-6.0165	-6.94969	-83.7598	3443.619
5233_5233	5233	5233	399.5289	-297.894	6.995625	-0.45281	89.775	-3485.86
5233_5234	5233	5234	-377.161	325.3346	-6.99563	0.51975	-137.965	1274.468
5234_5234	5234	5234	382.4901	-319.199	6.8355	-7.30669	137.8243	-1273.49
5234_5235	5234	5235	-357.82	350.2656	-6.8355	7.503563	-190.748	-1505.94
5235_5235	5235	5235	366.6049	-403.47	-5.81831	-9.46969	190.6524	1505.865
5235_5236	5235	5236	-349.5	425.2146	5.818313	9.249188	-159.406	-3832.37
5236_5236	5236	5236	297.0332	-419.86	-8.30288	-2.42025	263.1523	4152.62
5236_5237	5236	5237	-287.314	461.3516	8.302875	1.870313	-192.894	-8017.2
5237_5237	5237	5237	294.9752	-455.102	-8.41706	14.98481	194.2854	8019.391
5237_5238	5237	5238	-291.967	487.9914	8.417063	-15.5138	-138.7	-11235.7
5238_5238	5238	5238	306.0041	-549.038	-3.23925	-23.6079	135.6456	11236.07
5238_5239	5238	5239	-307.364	599.2901	3.23925	23.45831	-103.657	-16890.8
5239_5239	5239	5239	340.4691	-575.97	-3.36919	16.89844	108.9231	16904.49
5239_5240	5239	5240	-354.403	632.1551	3.369188	-17.1281	-72.9225	-23456.3
5240_5240	5240	5240	-2526.93	418.7715	-91.1413	-6.89325	1784.354	7641.198
5240_5241	5240	5241	2538.59	-360.166	91.14131	6.89325	-664.517	-2904.78
5241_5241	5241	5241	-2535.11	360.3009	-79.4719	9.174375	667.7987	2886.387
5241_5242	5241	5242	2539.842	-332.769	79.47188	-9.17438	-202.541	-877.737
5242_5242	5242	5242	-2539.91	332.8671	-77.2249	10.74019	202.5411	877.7633
5242_5243	5242	5243	2544.331	-302.975	77.22488	-10.7402	288.2959	1123.955
5243_5243	5243	5243	-2547.23	246.5663	-15.0084	4.266938	-288.296	-1124.71
5243_5244	5243	5244	2556.919	-200.353	15.00844	-4.26694	435.7802	3279.188
5244_5244	5244	5244	-2556.95	200.5119	-5.187	-2.26275	-435.78	-3279.2
5244_5245	5244	5245	2564.835	-154.476	5.187	2.26275	486.5595	4982.509
5245_5245	5245	5245	-2563.82	101.0271	-20.9344	7.739813	-486.56	-4981.43
5245_5246	5245	5246	2570.715	-53.3321	20.93438	-7.73981	698.8734	5733.777
5246_5246	5246	5246	-2570.75	53.49094	-11.0237	-6.46013	-698.873	-5733.88
5246_5247	5246	5247	2575.481	-8.89613	11.02369	6.460125	803.3957	6008.072
5247_5247	5247	5247	-2575.35	-47.8091	-7.67813	6.4785	-803.396	-6006.91
5247_5248	5247	5248	2579.204	91.51669	7.678125	-6.4785	874.7563	5341.387
5248_5248	5248	5248	-2579.24	-91.3579	1.387313	-4.78144	-874.756	-5341.24
5248_5249	5248	5249	2581.664	139.9401	-1.38731	4.781438	860.4317	4133.874
5249_5249	5249	5249	-2583.12	-191.826	49.3185	1.535625	-860.432	-4133.4
5249_5250	5249	5250	2584.071	239.3829	-49.3185	-1.53563	361.7237	1946.487
5250_5250	5250	5250	-2583.91	-239.223	56.92313	1.282313	-361.724	-1946.57
5250_5251	5250	5251	2583.087	283.9568	-56.9231	-1.28231	-179.714	-541.1
5251_5251	5251	5251	-2579.9	-355.955	-33.3021	-48.1609	179.7141	539.4861
5251_5252	5251	5252	2579.977	384.3984	33.30206	48.16088	21.69169	-2780.48
5252_5252	5252	5252	-2580.03	-384.299	-28.7608	-40.8319	-21.6917	2780.554
5252_5253	5252	5253	2579.401	413.7381	28.76081	40.83188	201.7313	-5277.79
5253_5253	5253	5253	-2574.95	-413.607	-21.2454	-22.0369	-202.697	5256.045
5253_5254	5253	5254	2572.605	458.9091	21.24544	22.03688	404.4784	-9487.09
5254_5254	5254	5254	368.6445	661.227	-101.826	303.9671	-315.24	27170.95
5254_5255	5254	5255	-361.831	-646.72	101.8264	-304.123	590.8573	-25382
5255_5255	5255	5255	339.0253	585.5496	53.59331	-33.6249	-546.839	25370.91
5255_5256	5255	5256	-307.978	-519.838	-53.5933	33.94125	-128.702	-18514.4
5256_5256	5256	5256	295.7574	530.7383	53.23106	51.01294	120.0819	18509.53
5256_5257	5256	5257	-275.385	-484.763	-53.2311	-50.8134	-606.491	-13771
5257_5257	5257	5257	263.5881	419.9344	-27.7817	-41.9147	613.1409	13767.16
5257_5258	5257	5258	-250.484	-387.802	27.78169	41.93963	-432.152	-11187.4
5258_5258	5258	5258	244.3914	394.1529	-28.0048	-13.6408	429.513	11186.07
5258_5259	5258	5259	-232.933	-357.9	28.00481	13.66444	-220.945	-8370.87
5259_5259	5259	5259	154.9931	366.261	-28.1964	19.07325	223.1513	8765.792
5259_5260	5259	5260	-148.418	-334.382	28.19644	-19.0588	-6.43781	-5938.51
5260_5260	5260	5260	837.1309	272.5367	2.867813	19.17431	-21.9896	2294.236

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5260_5261	5260	5261	-869.941	-247.079	-2.86781	-19.1888	5.038688	-564.372
5261_5261	5261	5261	866.4272	255.1553	2.3625	-0.05513	-4.61738	563.4693
5261_5262	5261	5262	-892.854	-227.816	-2.3625	0.048563	-10.5197	1114.332
5262_5262	5262	5262	926.0081	233.5174	2.106563	-8.00231	10.0065	-1520.58
5262_5263	5262	5263	-966.684	-182.388	-2.10656	8.002313	-35.6777	4251.954
5263_5263	5263	5263	966.7245	100.1162	1.095938	18.522	35.67769	-4251.94
5263_5264	5263	5264	-1009.91	-52.2139	-1.09594	-18.522	-48.195	5329.778
5264_5264	5264	5264	1009.894	52.437	0.686438	-16.6517	48.195	-5329.72
5264_5265	5264	5265	-1056.82	-3.62906	-0.68644	16.65169	-56.1789	5880.269
5265_5265	5265	5265	1056.815	-66.9283	0.559125	26.19225	56.17894	-5880.18
5265_5266	5265	5266	-1104.39	115.8413	-0.55913	-26.1923	-62.706	5042.003
5266_5266	5266	5266	1104.393	-115.618	-0.00525	-25.9481	62.706	-5042.03
5266_5267	5266	5267	-1153.74	163.4128	0.00525	25.94813	-62.6443	3686.702
5267_5267	5267	5267	1153.845	-236.309	2.113125	24.15263	62.64431	-3686.71
5267_5268	5267	5268	-1205.18	284.7154	-2.11313	-24.1526	-87.0293	924.1877
5268_5268	5268	5268	1205.199	-284.492	1.430625	-25.0281	87.02925	-924.182
5268_5269	5268	5269	-1259.28	332.7608	-1.43063	25.02806	-103.495	-2371.95
5269_5269	5269	5269	1259.308	-402.262	-1.17206	6.608438	103.4946	2372.013
5269_5270	5269	5270	-1301.18	439.4355	1.172063	-6.60844	-93.1035	-5903.82
5270_5270	5270	5270	1301.163	-439.265	-1.5855	-6.70425	93.1035	5903.885
5270_5271	5270	5271	-1344.56	476.2853	1.5855	6.70425	-79.1149	-10226.8
5271_5271	5271	5271	1242.007	-469.904	-2.24963	-8.09419	67.35881	11126.75
5271_5272	5271	5272	-1256.08	498.7605	2.249625	8.06925	-52.962	-14291.8
5272_5272	5272	5272	1265.944	-573.657	15.40088	-15.9049	52.70081	14291.32
5272_5273	5272	5273	-1259.84	605.6308	-15.4009	15.98494	-161.003	-18600.6
5273_5273	5273	5273	1268.66	-595.074	15.12	-6.67538	161.1855	18599.68
5273_5274	5273	5274	-1242.84	625.3774	-15.12	6.796125	-260.248	-22816
5274_5274	5274	5274	1102.231	-616.322	15.62269	17.29481	243.9518	23773.19
5274_5275	5274	5275	-1043.59	675.1749	-15.6227	-16.9155	-418.337	-30834.7
5275_5275	5275	5275	1063.149	-745.692	-59.8841	-58.653	413.6724	30840.31
5275_5276	5275	5276	-997.245	799.4949	59.88413	57.183	176.9565	-38461.2
5276_5276	5276	5276	1013.553	-786.757	-60.4301	54.11306	-167.755	38461.63
5276_5277	5276	5277	-951.629	840.7376	60.43013	-55.7445	746.1799	-46571.7
5277_5277	5277	5277	507.7958	-917.718	95.88338	-92.7006	-1381.86	50298.64
5277_5278	5277	5278	-511.758	961.9588	-95.8834	92.08894	637.7411	-56669
5278_5278	5278	5278	-4007.44	593.0203	46.78275	13.23131	-260.155	19447.21
5278_5279	5278	5279	4023.305	-544.955	-46.7828	-13.2313	-183.848	-14111.6
5279_5279	5279	5279	-4031.98	545.0629	60.29625	63.46988	186.921	14507.21
5279_5280	5279	5280	4042.381	-514.052	-60.2963	-63.4699	-580.851	-11091
5280_5280	5280	5280	-4044.61	418.8384	-75.8363	-11.3426	580.8508	11092.73
5280_5281	5280	5281	4055.981	-363.48	75.83625	11.34263	303.6167	-6577.74
5281_5281	5281	5281	-4056.19	363.6819	-64.2036	8.338313	-303.617	6577.85
5281_5282	5281	5282	4065.461	-304.778	64.20356	-8.33831	1100.354	-2469.04
5282_5282	5282	5282	-4129.42	236.9771	6.534938	-1.86244	-1117.69	2771.297
5282_5283	5282	5283	4144.384	-186.523	-6.53494	1.862438	1036.741	-211.184
5283_5283	5283	5283	-4144.32	186.6926	20.16788	1.845375	-1036.74	211.0684
5283_5284	5283	5284	4156.269	-139.109	-20.1679	-1.84538	801.0936	1641.242
5284_5284	5284	5284	-4156.47	-12.0435	17.3145	0.483	-801.094	-1641.35
5284_5285	5284	5285	4160.499	57.96263	-17.3145	-0.483	605.871	1229.231
5285_5285	5285	5285	-4160.41	-57.813	27.78956	0.463313	-605.871	-1229.4
5285_5286	5285	5286	4162.36	98.81944	-27.7896	-0.46331	326.0631	431.8151
5286_5286	5286	5286	-4162.35	-207.943	49.65581	-4.24594	-326.063	-431.498
5286_5287	5286	5287	4165.983	254.4111	-49.6558	4.245938	-240.525	-2222.8
5287_5287	5287	5287	-4165.78	-254.251	64.7745	8.070563	240.5248	2222.8
5287_5288	5287	5288	4167.416	300.9576	-64.7745	-8.07056	-983.412	-5415.21
5288_5288	5288	5288	-4169.19	-304.367	-41.5629	-28.7424	983.4116	5415.389
5288_5289	5288	5289	4170.317	320.6516	41.56294	28.74244	-817.211	-6670.36
5289_5289	5289	5289	-4159.43	-320.558	-35.3378	-14.1028	817.6074	6252.041

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5289_5290	5289	5290	4160.911	362.2658	35.33775	14.10281	-481.901	-9597.94
5290_5290	5290	5290	388.7415	1272.121	-29.9749	17.01	119.1553	42679.76
5290_5291	5290	5291	-369.356	-1220.09	29.97488	-17.1846	193.9494	-29870.1
5291_5291	5291	5291	326.9175	1113.143	1.995	-40.173	-188.258	29868.92
5291_5292	5291	5292	-306.706	-1061.15	-1.995	40.22288	166.6035	-17879.5
5292_5292	5292	5292	278.5637	1070.902	1.79025	40.72556	-171.842	17876.67
5292_5293	5292	5293	-262.248	-1025.6	-1.79025	-40.6928	154.4235	-7588.44
5293_5293	5293	5293	236.2408	914.0854	4.85625	-6.08475	-151.827	7587.891
5293_5294	5293	5294	-226.22	-880.639	-4.85625	6.078188	116.3964	-886.621
5294_5294	5294	5294	176.3869	887.0124	4.705313	4.815563	-113.584	1056.538
5294_5295	5294	5295	-168.873	-856.427	-4.70531	-4.81819	77.65669	6076.274
5295_5295	5295	5295	157.4042	860.2558	4.57275	-0.29138	-77.5806	-6076.62
5295_5296	5295	5296	-153.455	-827.471	-4.57275	0.291375	40.08113	13533.22
5296_5296	5296	5296	22.55138	727.5109	2.648625	23.13281	-17.2843	-12739.9
5296_5297	5296	5297	-23.5541	-710.994	-2.64863	-23.1328	6.293438	14787.17
5297_5297	5297	5297	87.25631	711.1112	2.79825	13.97288	-13.4899	-15146
5297_5298	5297	5298	-88.9521	-668.735	-2.79825	-13.9729	-12.4241	21548.11
5298_5298	5298	5298	88.96125	668.8395	2.68275	-26.4981	12.42413	-21548.1
5298_5299	5298	5299	-91.7004	-626.91	-2.68275	26.49806	-37.0125	27502.4
5299_5299	5299	5299	91.60988	527.7392	-0.07744	62.62463	37.0125	-27504.2
5299_5300	5299	5300	-94.8071	-474.372	0.077438	-62.6246	-36.1134	33368.33
5300_5300	5300	5300	94.78875	474.5081	-0.26381	-50.2819	36.11344	-33368.3
5300_5301	5300	5301	-100.057	-417.804	0.263813	50.28188	-32.8361	38927.36
5301_5301	5301	5301	100.0466	313.2938	-0.24544	76.42425	32.83613	-38930.4
5301_5302	5301	5302	-106.369	-256.07	0.245438	-76.4243	-29.7596	42525.35
5302_5302	5302	5302	106.3939	256.2079	-0.43181	-72.1114	29.75963	-42525.5
5302_5303	5302	5303	-113.972	-203.402	0.431813	72.11138	-24.7774	45217.7
5303_5303	5303	5303	113.9539	101.2318	2.144625	90.55856	24.77738	-45220.6
5303_5304	5303	5304	-122.807	-41.7034	-2.14463	-90.5586	-52.6916	46196.57
5304_5304	5304	5304	122.8658	41.84119	1.935938	-94.9174	52.69163	-46196.9
5304_5305	5304	5305	-132.052	8.697938	-1.93594	94.91738	-74.0736	46426.84
5305_5305	5305	5305	132.0008	-110.616	-0.41606	72.77156	74.07356	-46430
5305_5306	5305	5306	-142.103	165.7714	0.416063	-72.7716	-69.0546	44815.31
5306_5306	5306	5306	142.1044	-165.635	-0.57356	-63.0039	69.05456	-44815.3
5306_5307	5306	5307	-153.955	220.458	0.573563	63.00394	-62.1849	42561.55
5307_5307	5307	5307	153.9759	-324.215	2.307375	75.8415	62.18494	-42564.5
5307_5308	5307	5308	-166.249	378.5749	-2.30738	-75.8415	-89.6083	38450.63
5308_5308	5308	5308	166.2504	-378.437	2.117063	-66.0765	89.60831	-38450.6
5308_5309	5308	5309	-180.662	434.1304	-2.11706	66.0765	-115.377	33576.31
5309_5309	5309	5309	180.7037	-523.739	2.53575	49.10981	115.3766	-33578.4
5309_5310	5309	5310	-194.246	578.8571	-2.53575	-49.1098	-145.93	27003.31
5310_5310	5310	5310	194.2671	-578.719	2.35725	-43.0959	145.9303	-27003.4
5310_5311	5310	5311	-209.564	633.6081	-2.35725	43.09594	-174.206	19805.92
5311_5311	5311	5311	209.4028	-760.634	-7.33031	18.08363	174.2055	-19806.7
5311_5312	5311	5312	-232.684	818.2794	7.330313	-18.0836	-81.8462	9973.958
5312_5312	5312	5312	232.6734	-818.146	-7.55606	-21.6851	81.84619	-9974.14
5312_5313	5312	5313	-254.277	867.6951	7.556063	21.68513	0	950.8406
5400_5020	5400	5020	3527.996	-320.576	28.72406	1.13925	-463.164	-4642.55
5400_5401	5400	5401	-3529.37	325.7993	-28.7241	-1.13925	345.7296	3321.242
5401_5401	5401	5401	3525.311	-320.947	29.69531	-1.71938	-337.466	-3321.35
5401_5402	5401	5402	-3526.5	325.4003	-29.6953	1.719375	233.8744	2193.965
5402_5402	5402	5402	3533.342	-240.686	23.11969	-0.273	-235.069	-2193.84
5402_5403	5402	5403	-3537.4	254.5358	-23.1197	0.273	-17.43	-510.435
5403_5403	5403	5403	3532.85	-152.146	0.496125	-0.9975	15.08456	510.4326
5403_5404	5403	5404	-3535.81	161.196	-0.49613	0.9975	-18.6638	-1639.41
5404_5404	5404	5404	3538.567	-80.451	-2.26538	-0.13388	19.09163	1639.402
5404_5405	5404	5405	-3541.74	89.44688	2.265375	0.133875	-2.7405	-2252.63
5405_5405	5405	5405	3541.292	28.917	0.531563	-0.53156	1.536938	2252.636

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5405_5406	5405	5406	-3548.25	-11.1917	-0.53156	0.531563	-9.19275	-1963.6
5406_5406	5406	5406	3547.909	130.6266	0.570938	-0.95681	8.128313	1963.606
5406_5407	5406	5407	-3552.57	-119.89	-0.57094	0.956813	-13.1828	-854.028
5407_5407	5407	5407	3549.268	194.4915	-4.70269	0.003938	13.72875	854.0201
5407_5408	5407	5408	-3552.49	-187.484	4.702688	-0.00394	12.39263	206.8329
5408_5408	5408	5408	3522.348	-565.928	0.364875	-1.57763	-13.5056	-206.833
5408_5409	5408	5409	-3523.27	570.0161	-0.36488	1.577625	12.40313	-1507.51
5409_5409	5409	5409	3517.08	546.8019	9.198	0.315	-12.1183	1508.379
5409_5410	5409	5410	-3516.16	-542.698	-9.198	-0.315	-15.7434	141.7093
5410_5410	5410	5410	3547.644	-212.359	-2.71425	-0.04463	15.5925	-141.674
5410_5411	5410	5411	-3544.42	219.3634	2.71425	0.044625	-0.51581	-1057.14
5411_5411	5411	5411	3548.248	-144.917	0.985688	-1.13794	0.985688	1057.141
5411_5412	5411	5412	-3543.58	155.6494	-0.98569	1.137938	-9.72038	-2388.11
5412_5412	5412	5412	3551.23	-35.7407	0.211313	-0.72844	8.78325	2388.137
5412_5413	5412	5413	-3544.27	53.47125	-0.21131	0.728438	-11.8256	-3031.17
5413_5413	5413	5413	3551.611	63.54469	-1.54744	0.43575	10.82813	3031.223
5413_5414	5413	5414	-3548.44	-54.5541	1.547438	-0.43575	0.336	-2605.24
5414_5414	5414	5414	3546.269	135.5786	1.3755	-1.73119	0.387188	2605.239
5414_5415	5414	5415	-3543.31	-126.536	-1.3755	1.731188	-10.2966	-1661.48
5415_5415	5415	5415	3550.047	229.2623	-10.3543	-0.53813	11.68781	1661.482
5415_5416	5415	5416	-3545.99	-215.413	10.35431	0.538125	101.3959	766.689
5416_5416	5416	5416	3539.637	301.7346	-21.9949	-0.64838	-100.691	-766.782
5416_5417	5416	5417	-3538.45	-297.275	21.99488	0.648375	177.5235	1812.994
5417_5417	5417	5417	3543.495	294.2966	-39.1965	-1.95169	-180.642	-1812.86
5417_5036	5417	5036	-3542.12	-289.106	39.1965	1.951688	339.9414	3058.349
5420_5056	5420	5056	2928.874	-299.058	17.97731	1.248188	-198.677	-4976.27
5420_5421	5420	5421	-2930.09	303.6954	-17.9773	-1.24819	125.0642	3742.243
5421_5421	5421	5421	2925.463	-299.411	10.56825	0.00525	-121.002	-3742.26
5421_5422	5421	5422	-2926.52	303.3555	-10.5683	-0.00525	84.15488	2691.415
5422_5422	5422	5422	2932.956	-233.076	8.885625	0.443625	-84.5946	-2691.4
5422_5423	5422	5423	-2936.55	245.343	-8.88563	-0.44363	-12.4018	80.01656
5423_5423	5423	5423	2933.806	-162.766	0.811125	0.098438	10.22569	-80.0218
5423_5424	5423	5424	-2936.43	170.7943	-0.81113	-0.09844	-16.0729	-1123.04
5424_5424	5424	5424	2939.652	-101.123	-1.51594	0.618188	16.38788	1123.031
5424_5425	5424	5425	-2942.46	109.0806	1.515938	-0.61819	-5.46	-1880.56
5425_5425	5425	5425	2942.492	-13.7839	-0.25331	0.384563	5.439	1880.567
5425_5426	5425	5426	-2948.66	29.49713	0.253313	-0.38456	-1.79419	-2192.59
5426_5426	5426	5426	2948.411	70.16494	2.349375	-0.76781	1.109063	2192.598
5426_5427	5426	5427	-2952.54	-60.6598	-2.34938	0.767813	-21.9056	-1613.51
5427_5427	5427	5427	2950.684	121.0086	-4.24594	2.324438	23.51081	1613.488
5427_5428	5427	5428	-2953.56	-114.757	4.245938	-2.32444	0.091875	-958.279
5428_5428	5428	5428	2920.991	-511.119	2.287688	-0.399	-0.693	958.2838
5428_5429	5428	5429	-2921.81	514.7664	-2.28769	0.399	-6.21731	-2507.27
5429_5429	5429	5429	2923.225	523.4539	-6.54019	0.922688	6.099188	2509.911
5429_5430	5429	5430	-2922.41	-519.795	6.540188	-0.92269	13.70906	-929.967
5430_5430	5430	5430	2958.434	-111.005	1.918875	0.084	-12.0238	929.9601
5430_5431	5430	5431	-2955.56	117.2443	-1.91888	-0.084	1.372875	-1563.24
5431_5431	5431	5431	2957.405	-53.424	1.225875	0.476438	-1.52906	1563.244
5431_5432	5431	5432	-2953.27	62.93963	-1.22588	-0.47644	-9.32663	-2078.79
5432_5432	5432	5432	2955.354	35.574	-0.52369	0.326813	9.177	2078.822
5432_5433	5432	5433	-2949.18	-19.8647	0.523688	-0.32681	-1.63669	-1679.25
5433_5433	5433	5433	2950.894	116.5159	1.983188	0.37275	2.54625	1679.278
5433_5434	5433	5434	-2948.08	-108.55	-1.98319	-0.37275	-16.8551	-867.471
5434_5434	5434	5434	2944.843	175.7398	0.993563	0.286125	16.76194	867.4719
5434_5435	5434	5435	-2942.22	-167.728	-0.99356	-0.28613	-23.9124	369.0488
5435_5435	5435	5435	2944.877	253.2902	-20.6811	-1.74956	27.47981	-369.028
5435_5436	5435	5436	-2941.28	-241.008	20.68106	1.749563	198.5616	3070.259
5436_5436	5436	5436	2934.834	310.0309	-16.9129	6.973313	-199.633	-3070.18

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5436_5437	5436	5437	-2933.78	-306.089	16.91288	-6.97331	258.5717	4143.704
5437_5437	5437	5437	2938.602	310.6556	-32.6708	-1.66688	-264.194	-4144.11
5437_5072	5437	5072	-2937.38	-306.023	32.67075	1.666875	397.866	5405.68
5440_5094	5440	5094	3334.671	-276.737	13.98994	0.67725	-112.166	-3241.78
5440_5441	5440	5441	-3335.88	281.3199	-13.9899	-0.67725	54.98588	2069.268
5441_5441	5441	5441	3328.736	-277.384	6.7725	0.30975	-53.5106	-2069.27
5441_5442	5441	5442	-3329.78	281.295	-6.7725	-0.30975	29.87513	1094.418
5442_5442	5442	5442	3335.576	-201.326	3.152625	-0.18244	-30.2124	-1094.41
5442_5443	5442	5443	-3339.14	213.486	-3.15263	0.182438	-4.23019	-1171.58
5443_5443	5443	5443	3334.985	-115.543	2.058	-1.03425	2.775938	1171.585
5443_5444	5443	5444	-3337.58	123.48	-2.058	1.03425	-17.598	-2032.17
5444_5444	5444	5444	3339.532	-47.2986	-1.953	1.017188	18.43538	2032.161
5444_5445	5444	5445	-3342.31	55.188	1.953	-1.01719	-4.34831	-2401.84
5445_5445	5445	5445	3339.597	55.8285	-0.42919	0.049875	6.206813	2401.845
5445_5446	5445	5446	-3345.71	-40.2701	0.429188	-0.04988	-0.01313	-1709.27
5446_5446	5446	5446	3341.6	153.2711	2.370375	0.093188	1.155	1709.275
5446_5447	5446	5447	-3345.69	-143.851	-2.37038	-0.09319	-22.1537	-393.456
5447_5447	5447	5447	3342.029	212.6263	0.489563	-0.147	22.2495	393.4508
5447_5448	5447	5448	-3344.87	-206.43	-0.48956	0.147	-24.9703	771.3523
5448_5448	5448	5448	3322.558	-503.883	-10.1968	4.832625	27.38138	-771.364
5448_5449	5448	5449	-3323.37	507.5031	10.19681	-4.83263	3.453188	-757.845
5449_5449	5449	5449	3322.507	503.7467	11.31506	-4.98356	-3.41906	758.2168
5449_5450	5449	5450	-3321.7	-500.127	-11.3151	4.983563	-30.8057	759.9336
5450_5450	5450	5450	3342.647	-212.163	-2.30081	0.18375	29.19919	-759.906
5450_5451	5450	5451	-3339.8	218.3488	2.300813	-0.18375	-16.4299	-434.903
5451_5451	5451	5451	3343.697	-147.118	-1.44638	-0.27563	16.47844	434.9021
5451_5452	5451	5452	-3339.6	156.5406	1.446375	0.275625	-3.66844	-1779.8
5452_5452	5452	5452	3343.603	-43.5002	0.168	-0.11419	2.227313	1779.801
5452_5453	5452	5453	-3337.49	59.05988	-0.168	0.114188	-4.641	-2518.96
5453_5453	5453	5453	3339.562	51.78731	0.746813	-0.19294	3.660563	2518.967
5453_5454	5453	5454	-3336.78	-43.8992	-0.74681	0.192938	-9.04444	-2173.83
5454_5454	5454	5454	3334.858	121.4141	0.074813	0.040688	8.8935	2173.833
5454_5455	5454	5455	-3332.26	-113.467	-0.07481	-0.04069	-9.43031	-1327.12
5455_5455	5455	5455	3333.896	209.1849	-3.16575	0.048563	10.06031	1327.132
5455_5456	5455	5456	-3330.33	-197.038	3.16575	-0.04856	24.49256	889.7569
5456_5456	5456	5456	3324.577	277.6922	-6.279	-0.21	-24.2563	-889.763
5456_5457	5456	5457	-3323.53	-273.782	6.279	0.21	46.16456	1851.885
5457_5457	5457	5457	3330.772	280.14	-14.2721	-0.64575	-47.3773	-1851.86
5457_5110	5457	5110	-3329.56	-275.545	14.27213	0.64575	105.8387	3019.852
5460_5132	5460	5132	2828.713	-296.431	-8.91188	-1.40306	295.6275	-4991.32
5460_5461	5460	5461	-2829.92	301.035	8.911875	1.403063	-259.051	3619.828
5461_5461	5461	5461	2823.727	-297.667	-23.3822	1.20225	249.0167	-3619.8
5461_5462	5461	5462	-2824.77	301.5744	23.38219	-1.20225	-167.458	2574.688
5462_5462	5462	5462	2831.213	-233.71	-20.8517	-0.45806	168.1299	-2574.64
5462_5463	5462	5463	-2834.77	245.8641	20.85169	0.458063	59.58225	-43.9254
5463_5463	5463	5463	2821.531	-158.862	0.6405	1.048688	-55.3928	43.77975
5463_5464	5463	5464	-2824.13	166.8069	-0.6405	-1.04869	50.78063	-1217.36
5464_5464	5464	5464	2827.229	-101.15	8.550938	-1.22194	-51.9593	1217.31
5464_5465	5464	5465	-2830.01	109.0373	-8.55094	1.221938	-9.70725	-1975.2
5465_5465	5465	5465	2809.881	-1.029	-0.504	-0.105	8.990625	1975.137
5465_5466	5465	5466	-2815.99	16.58081	0.504	0.105	-1.72856	-2102
5466_5466	5466	5466	2781.887	105.1654	-1.91625	0.628688	2.73525	2102.134
5466_5467	5466	5467	-2785.98	-95.7482	1.91625	-0.62869	14.23013	-1212.64
5467_5467	5467	5467	2783.423	152.9955	3.34425	-1.31381	-15.2408	1212.625
5467_5468	5467	5468	-2786.27	-146.801	-3.34425	1.313813	-3.34819	-379.532
5468_5468	5468	5468	2722.641	-396.96	1.115625	-0.72188	3.163125	379.5278
5468_5469	5468	5469	-2723.45	400.5789	-1.11563	0.721875	-6.53625	-1585.04
5469_5469	5469	5469	2712.857	395.1124	0.044625	0.60375	-16.1713	1556.054

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5469_5470	5469	5470	-2712.05	-391.494	-0.04463	-0.60375	16.03744	-367.068
5470_5470	5470	5470	2775.482	-150.143	2.42025	-0.70744	-15.5269	367.0944
5470_5471	5470	5471	-2772.64	156.3384	-2.42025	0.707438	2.077688	-1218.77
5471_5471	5471	5471	2775.309	-98.0516	0.324188	0.244125	-2.48588	1218.764
5471_5472	5471	5472	-2771.22	107.4793	-0.32419	-0.24413	-0.38325	-2129.65
5472_5472	5472	5472	2807.292	10.99875	0.417375	-0.10763	-0.55125	2129.516
5472_5473	5472	5473	-2801.18	4.553063	-0.41738	0.107625	-5.4705	-2083.08
5473_5473	5473	5473	2824.736	99.6345	-0.80456	-0.14044	4.050375	2083.109
5473_5474	5473	5474	-2821.95	-91.7477	0.804563	0.140438	1.749563	-1393.04
5474_5474	5474	5474	2819.058	157.3136	-1.00144	0	-1.785	1393.039
5474_5475	5474	5475	-2816.46	-149.369	1.001438	0	9.006375	-287.863
5475_5475	5475	5475	2832.358	233.016	4.50975	-0.01706	-9.95794	287.8667
5475_5476	5475	5476	-2828.8	-220.861	-4.50975	0.017063	-39.2923	2190.543
5476_5476	5476	5476	2822.682	288.6673	5.621438	-0.0735	39.04425	-2190.55
5476_5477	5476	5477	-2821.64	-284.759	-5.62144	0.0735	-58.6517	3190.697
5477_5477	5477	5477	2827.246	289.0742	1.596	0.405563	62.62988	-3190.61
5477_5148	5477	5148	-2826.04	-284.482	-1.596	-0.40556	-69.1661	4364.943
5480_5168	5480	5168	2736.908	-314.673	3.63825	0.08925	9.477563	-5800.56
5480_5481	5480	5481	-2738.12	319.2669	-3.63825	-0.08925	-24.3771	4502.558
5481_5481	5481	5481	2734.037	-316.96	-6.08213	-6.32756	19.89094	-4502.45
5481_5482	5481	5482	-2735.08	320.8682	6.082125	6.327563	1.323	3390.001
5482_5482	5482	5482	2742.063	-254.469	0.468563	2.03175	0.964688	-3390.01
5482_5483	5482	5483	-2745.62	266.6108	-0.46856	-2.03175	-6.07819	547.1353
5483_5483	5483	5483	2748.582	-186.152	-2.09081	0.465938	6.027	-547.147
5483_5484	5483	5484	-2751.18	194.0964	2.090813	-0.46594	9.039188	-823.132
5484_5484	5484	5484	2754.948	-130.112	1.8585	-0.52369	-9.44869	823.1265
5484_5485	5484	5485	-2757.73	137.9989	-1.8585	0.523688	-3.94931	-1789.87
5485_5485	5485	5485	2751.795	-35.3771	-0.24544	-0.042	4.639688	1789.922
5485_5486	5485	5486	-2757.91	50.94075	0.245438	0.042	-1.09988	-2412.2
5486_5486	5486	5486	2739.438	68.69363	-2.64338	0.273	0.846563	2412.358
5486_5487	5486	5487	-2743.53	-59.2764	2.643375	-0.273	22.56056	-1845.79
5487_5487	5487	5487	2741.735	115.6719	-0.61819	-0.59981	-23.1643	1845.787
5487_5488	5487	5488	-2744.58	-109.478	0.618188	0.599813	26.60175	-1220.12
5488_5488	5488	5488	2687.21	-428.588	-1.23113	-0.87413	-27.8657	1220.174
5488_5489	5488	5489	-2688.02	432.2063	1.231125	0.874125	31.58794	-2521.3
5489_5489	5489	5489	2688.975	433.7616	-2.78906	1.329563	18.816	2523.179
5489_5490	5489	5490	-2688.17	-430.143	2.789063	-1.32956	-10.3845	-1217.35
5490_5490	5490	5490	2750.766	-108.909	0.731063	-0.68775	9.863438	1217.324
5490_5491	5490	5491	-2747.92	115.1036	-0.73106	0.68775	-13.923	-1839.83
5491_5491	5491	5491	2749.706	-58.5808	-1.29938	0.37275	13.32056	1839.83
5491_5492	5491	5492	-2745.61	67.998	1.299375	-0.37275	-1.82044	-2400.23
5492_5492	5492	5492	2768.912	51.09169	-0.34913	0.001313	1.098563	2400.312
5492_5493	5492	5493	-2762.8	-35.5268	0.349125	-0.00131	3.9375	-1775.86
5493_5493	5493	5493	2774.343	138.0645	1.77975	-0.50925	-3.60019	1775.872
5493_5494	5493	5494	-2771.56	-130.179	-1.77975	0.50925	-9.23869	-808.647
5494_5494	5494	5494	2767.787	194.5479	-2.19188	0.464625	8.83575	808.6523
5494_5495	5494	5495	-2765.19	-186.605	2.191875	-0.46463	6.962813	564.8869
5495_5495	5495	5495	2769.53	268.0335	1.085438	2.03175	-7.39856	-564.869
5495_5496	5495	5496	-2765.97	-255.88	-1.08544	-2.03175	-4.45725	3425.713
5496_5496	5496	5496	2759.031	322.1466	-5.49413	-6.51	6.758063	-3425.7
5496_5497	5496	5497	-2757.99	-318.239	5.494125	6.51	12.40969	4542.612
5497_5497	5497	5497	2761.629	320.7724	3.4545	0.182438	-16.9509	-4542.7
5497_5184	5497	5184	-2760.42	-316.18	-3.4545	-0.18244	2.804813	5963.798
5500_5204	5500	5204	3189.257	-322.493	-1.03425	0.522375	-61.4723	-5446.21
5500_5501	5500	5501	-3190.69	327.9242	1.03425	-0.52238	65.70638	4060.582
5501_5501	5501	5501	3188.157	-324.068	6.012563	0.422625	-61.8634	-4060.72
5501_5502	5501	5502	-3189.39	328.6907	-6.01256	-0.42263	40.887	2922.2
5502_5502	5502	5502	3196.361	-252.076	4.757813	0.228375	-41.2099	-2922.2

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5502_5503	5502	5503	-3200.57	266.4506	-4.75781	-0.22838	-10.7481	90.76331
5503_5503	5503	5503	3198.188	-175.511	-2.81794	0.977813	10.63781	-90.7528
5503_5504	5503	5504	-3201.26	184.9063	2.817938	-0.97781	9.673125	-1208.06
5504_5504	5504	5504	3204.693	-110.467	1.7955	-0.55781	-10.269	1208.059
5504_5505	5504	5505	-3207.98	119.7932	-1.7955	0.557813	-2.68144	-2038.32
5505_5505	5505	5505	3205.983	-15.6699	-0.46331	0.273	3.528	2038.292
5505_5506	5505	5506	-3213.21	34.07775	0.463313	-0.273	3.15	-2396.93
5506_5506	5506	5506	3210.375	73.91606	1.35975	0.731063	-3.58444	2396.961
5506_5507	5506	5507	-3215.22	-62.7782	-1.35975	-0.73106	-8.45906	-1791.77
5507_5507	5507	5507	3213.245	128.8704	3.731438	-0.74156	7.875	1791.774
5507_5508	5507	5508	-3216.58	-121.606	-3.73144	0.741563	-28.6125	-1095.73
5508_5508	5508	5508	3174.516	-560.014	-4.26694	2.396625	30.261	1095.65
5508_5509	5508	5509	-3175.47	564.2569	4.266938	-2.39663	-17.3618	-2795.03
5509_5509	5509	5509	3175.508	564.5876	-3.06863	-2.12363	17.30006	2794.729
5509_5510	5509	5510	-3174.56	-560.344	3.068625	2.123625	-8.022	-1094.35
5510_5510	5510	5510	3212.761	-121.175	3.089625	-1.64588	8.603438	1094.356
5510_5511	5510	5511	-3209.42	128.4399	-3.08963	1.645875	-25.7749	-1788
5511_5511	5511	5511	3211.386	-62.4409	-2.93606	1.151063	24.28913	1788.023
5511_5512	5511	5512	-3206.54	73.57875	2.936063	-1.15106	1.704938	-2390.22
5512_5512	5512	5512	3205.574	34.503	-0.01313	0.034125	-0.41606	2390.242
5512_5513	5512	5513	-3198.34	-16.0952	0.013125	-0.03413	0.602438	-2025.46
5513_5513	5513	5513	3196.092	120.2342	2.684063	-0.52763	-0.30713	2025.483
5513_5514	5513	5514	-3192.8	-110.906	-2.68406	0.527625	-19.047	-1192.04
5514_5514	5514	5514	3189.442	183.6936	-1.86769	0.77175	18.46163	1192.053
5514_5515	5514	5515	-3186.37	-174.311	1.867688	-0.77175	-5.01506	96.36375
5515_5515	5515	5515	3186.28	266.4244	-8.4945	1.043438	5.637188	-96.3638
5515_5516	5515	5516	-3182.07	-252.05	8.4945	-1.04344	87.129	2927.481
5516_5516	5516	5516	3175.091	328.3101	-13.2484	-1.3755	-85.8743	-2927.52
5516_5517	5516	5517	-3173.86	-323.689	13.24838	1.3755	132.09	4064.681
5517_5517	5517	5517	3175.674	326.4699	-54.5514	-3.77081	-122.908	-4064.68
5517_5220	5517	5220	-3174.24	-321.038	54.55144	3.770813	346.2782	5390.361
5520_5240	5520	5240	2939.982	-668.8	175.6322	8.096813	-1711.85	-10976.9
5520_5521	5520	5521	-2941.7	679.9118	-175.632	-8.09681	513.2807	6374.911
5521_5521	5521	5521	3025.07	-372.478	48.54019	12.54488	-504.465	-6386.58
5521_5522	5521	5522	-3026.55	378.042	-48.5402	-12.5449	334.8148	5075.027
5522_5522	5522	5522	3035.133	-303.304	35.66588	-1.38731	-340.904	-5074.64
5522_5523	5522	5523	-3040.19	320.5637	-35.6659	1.387313	-48.4247	1669.551
5523_5523	5523	5523	3050.258	-246.83	1.008	0.736313	42.54731	-1668.53
5523_5524	5523	5524	-3053.95	258.1123	-1.008	-0.73631	-49.8041	-150.428
5524_5524	5524	5524	3059.098	-187.264	-8.75831	0.072188	49.98131	150.3705
5524_5525	5524	5525	-3063.05	198.4658	8.758313	-0.07219	13.17094	-1540.98
5525_5525	5525	5525	3067.705	-112.597	-1.78106	-0.04069	-15.3549	1540.074
5525_5526	5525	5526	-3076.39	134.7058	1.781063	0.040688	41.034	-3322.79
5526_5526	5526	5526	3085.521	-40.3148	1.071	-2.331	-39.3448	3319.823
5526_5527	5526	5527	-3091.34	53.70225	-1.071	2.331	29.85544	-3736.3
5527_5527	5527	5527	3091.781	11.49094	-2.46225	2.562	-27.9379	3736.319
5527_5528	5527	5528	-3095.76	-2.83894	2.46225	-2.562	41.61675	-3696.52
5528_5528	5528	5528	3038.432	-655.116	-4.2	-9.21506	-36.5741	3693.362
5528_5529	5528	5529	-3039.56	660.1744	4.2	9.215063	49.27388	-5681.77
5529_5529	5529	5529	3038.649	658.1059	-0.20081	5.939063	-48.5415	5676.5
5529_5530	5529	5530	-3037.52	-653.049	0.200813	-5.93906	49.14919	-3694.88
5530_5530	5530	5530	3104.339	-1.17338	13.63556	-5.38913	-52.7244	3691.887
5530_5531	5530	5531	-3100.36	9.829313	-13.6356	5.389125	-23.0357	-3722.45
5531_5531	5531	5531	3099.922	54.45956	7.263375	1.845375	19.56806	3722.474
5531_5532	5531	5532	-3094.11	-41.0799	-7.26338	-1.84538	-83.8884	-3299.47
5532_5532	5532	5532	3094.823	147.0564	-2.226	-0.68513	80.56913	3298.032
5532_5533	5532	5533	-3086.14	-124.94	2.226	0.685125	-48.4759	-1336.67
5533_5533	5533	5533	3079.997	228.5561	-4.06744	0.790125	47.4915	1336.309

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5533_5534	5533	5534	-3076.04	-217.353	4.067438	-0.79013	-18.1598	271.4762
5534_5534	5534	5534	3070.148	288.8891	-6.23438	0.170625	18.23719	-271.472
5534_5535	5534	5535	-3066.46	-277.602	6.234375	-0.17063	26.7015	2313.049
5535_5535	5535	5535	3059.426	369.8336	31.69556	3.038438	-22.1721	-2311.37
5535_5536	5535	5536	-3054.37	-352.566	-31.6956	-3.03844	-323.974	6256.075
5536_5536	5536	5536	3045.15	424.8366	32.38594	-3.16444	323.5601	-6256.1
5536_5537	5536	5537	-3043.67	-419.29	-32.3859	3.164438	-436.405	7726.756
5537_5537	5537	5537	3063.254	418.9487	-84.1404	-131.555	450.4828	-7746.48
5537_5254	5537	5254	-3061.54	-412.423	84.14044	131.5545	-105.931	9543.184
5540_5278	5540	5278	4703.571	-433.241	56.06869	140.9205	-291.681	-5411.05
5540_5541	5540	5541	-4705.42	440.2506	-56.0687	-140.921	62.43038	3625.319
5541_5541	5541	5541	4721.422	-432.457	8.5155	4.512375	-59.7266	-3680.6
5541_5542	5541	5542	-4723.02	438.4446	-8.5155	-4.51238	29.96831	2158.856
5542_5542	5542	5542	4732.355	-322.5	-1.04475	0.796688	-31.1522	-2158.84
5542_5543	5542	5543	-4737.8	341.0794	1.04475	-0.79669	42.55388	-1464.07
5543_5543	5543	5543	4748.785	-206.007	4.815563	-6.615	-47.6858	1458.005
5543_5544	5543	5544	-4752.76	218.1533	-4.81556	6.615	12.97669	-2986.59
5544_5544	5544	5544	4756.575	-106.011	-8.35013	2.025188	-10.185	2986.604
5544_5545	5544	5545	-4760.83	118.0541	8.350125	-2.02519	70.34475	-3793.77
5545_5545	5545	5545	4747.868	34.55681	1.315125	-2.52394	-72.3398	3787.174
5545_5546	5545	5546	-4757.21	-10.7651	-1.31513	2.523938	53.38069	-3460.47
5546_5546	5546	5546	4735.274	168.2979	14.868	-2.27063	-53.0552	3455.962
5546_5547	5546	5547	-4741.53	-153.901	-14.868	2.270625	-78.5899	-2029.5
5547_5547	5547	5547	4737.425	250.5576	7.945875	-0.97781	79.85644	2029.447
5547_5548	5547	5548	-4741.69	-241.261	-7.94588	0.977813	-124.034	-662.238
5548_5548	5548	5548	4691.227	-759.128	-25.1843	0.527625	129.8955	652.1484
5548_5549	5548	5549	-4692.44	764.5549	25.18425	-0.52763	-53.7692	-2955.03
5549_5549	5549	5549	4717.777	789.5961	-21.3688	-3.88763	54.69056	2959.84
5549_5550	5549	5550	-4716.53	-784.262	21.36881	3.887625	8.9355	-616.72
5550_5550	5550	5550	4743.632	-248.315	17.8605	-3.19988	-7.15838	617.2071
5550_5551	5550	5551	-4739.13	257.712	-17.8605	3.199875	-94.0131	-2050.4
5551_5551	5551	5551	4743.771	-150.364	7.68075	-0.99094	91.95506	2050.498
5551_5552	5551	5552	-4737.62	163.9706	-7.68075	0.990938	-156.651	-3374.22
5552_5552	5552	5552	4734.01	15.6345	0.03675	-2.56988	154.8881	3373.258
5552_5553	5552	5553	-4724.65	7.493063	-0.03675	2.569875	-155.403	-3315.97
5553_5553	5553	5553	4725.39	161.2564	-9.33581	-1.27575	153.3551	3314.794
5553_5554	5553	5554	-4721.15	-149.515	9.335813	1.27575	-87.6225	-2220.73
5554_5554	5554	5554	4715.731	270.9053	-14.6698	-0.96731	86.71031	2220.77
5554_5555	5554	5555	-4711.79	-259.052	14.66981	0.967313	16.63331	-354.107
5555_5555	5555	5555	4724.635	414.9626	-26.6175	2.657813	-15.1646	354.5246
5555_5556	5555	5556	-4719.33	-396.827	26.6175	-2.65781	298.8458	3971.272
5556_5556	5556	5556	4706.391	527.9492	-37.9877	1.082813	-296.062	-3971.48
5556_5557	5556	5557	-4704.85	-522.071	37.98769	-1.08281	426.3079	5771.507
5557_5557	5557	5557	4688.325	523.5471	2.142	-23.4321	-430.472	-5779.96
5557_5290	5557	5290	-4685.88	-514.121	-2.142	23.43206	418.7098	8716.173
45000_5000	45000	5000	8.8725	592.4874	-0.55125	6.155625	0	47.23294
45000_5001	45000	5001	-8.8725	-543.792	0.55125	-6.15563	7.010063	7181.067
45001_5001	45001	5001	8.871188	543.7924	-0.56306	-3.49256	-7.01006	-7181.07
45001_5002	45001	5002	-8.87119	-505.957	0.563063	3.492563	12.57506	12369.9
45002_5002	45002	5002	8.881688	443.0488	0.836063	14.40731	-12.5751	-12370.1
45002_5003	45002	5003	-8.88169	-396.568	-0.83606	-14.4073	2.416313	17468.44
45003_5003	45003	5003	8.883	396.5679	0.822938	-12.2561	-2.41631	-17468.4
45003_5004	45003	5004	-8.883	-350.134	-0.82294	12.25613	-7.56656	21997.94
45004_5004	45004	5004	8.879063	289.9693	0.60375	12.0435	7.566563	-21998.3
45004_5005	45004	5005	-8.87906	-243.508	-0.60375	-12.0435	-14.9008	25236.31
45005_5005	45005	5005	8.879063	243.5081	0.595875	-11.2127	14.90081	-25236.3
45005_5006	45005	5006	-8.87906	-197.013	-0.59588	11.21269	-22.1419	27912.04
45006_5006	45006	5006	8.876438	133.7556	-0.12075	23.91506	22.14188	-27912.4

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45006_5007	45006	5007	-8.87644	-87.3049	0.12075	-23.9151	-20.6811	29253.89
45007_5007	45007	5007	8.876438	87.30488	-0.13519	-23.9177	20.68106	-29253.9
45007_5008	45007	5008	-8.87644	-40.8621	0.135188	23.91769	-19.0457	30031.5
45008_5008	45008	5008	8.884313	-20.4908	0.805875	23.69981	19.04569	-30031.8
45008_5009	45008	5009	-8.88431	66.96638	-0.80588	-23.6998	-28.8343	29500.81
45009_5009	45009	5009	8.885625	-66.9664	0.791438	-24.5267	28.83431	-29500.8
45009_5010	45009	5010	-8.88563	113.4328	-0.79144	24.52669	-38.4444	28405.74
45010_5010	45010	5010	8.881688	-174.834	-0.12075	-0.78488	38.44444	-28406.3
45010_5011	45010	5011	-8.88169	221.2901	0.12075	0.784875	-36.9863	26002.17
45011_5011	45011	5011	8.881688	-221.29	-0.12075	-0.78488	36.98625	-26002.2
45011_5012	45011	5012	-8.88169	267.7474	0.12075	0.784875	-35.5281	23034.17
45012_5012	45012	5012	8.884313	-326.889	0.275625	5.697563	35.52806	-23034.6
45012_5013	45012	5013	-8.88431	373.3695	-0.27563	-5.69756	-38.8815	18782.44
45013_5013	45013	5013	8.884313	-373.37	0.270375	-7.85269	38.8815	-18782.4
45013_5014	45013	5014	-8.88431	419.8084	-0.27038	7.852688	-42.1536	13970.48
45014_5014	45014	5014	8.88825	-481.815	0.765188	1.867688	42.15356	-13970.6
45014_5015	45014	5015	-8.88825	543.6204	-0.76519	-1.86769	-54.5134	5690.916
45015_5015	45015	5015	15.06225	-543.485	0.758625	-3.31931	54.47925	-5685.41
45015_5016	45015	5016	-15.3969	573.0034	-0.75863	3.319313	-60.7451	1076.984
45016_5016	45016	5016	30.77944	-627.97	-0.378	-2.23781	72.64819	-2048.99
45016_5017	45016	5017	-32.1615	670.0824	0.378	2.237813	-68.2041	-5912.2
45017_5017	45017	5017	50.90138	-668.921	-0.38719	0.896438	68.42194	5912.193
45017_5018	45017	5018	-54.0081	719.9679	0.387188	-0.89644	-63.273	-15099.4
45018_5018	45018	5018	79.38656	-774.941	-0.02888	-11.5802	62.31881	15099.27
45018_5019	45018	5019	-83.8911	825.4011	0.028875	11.58019	-61.95	-25079.7
45019_5019	45019	5019	106.533	-822.785	-0.03938	10.68375	64.41225	25079.65
45019_5020	45019	5020	-112.826	876.5571	0.039375	-10.6838	-63.9174	-35525.4
45020_5020	45020	5020	-3285.59	276.7157	-19.8083	-2.39531	490.5311	7672.913
45020_5021	45020	5021	3285.585	-241.853	19.80825	2.395313	-302.426	-5210.75
45021_5021	45021	5021	-3285.59	241.8531	-19.2872	-1.56844	302.4263	5210.746
45021_5022	45021	5022	3285.589	-216.146	19.28719	1.568438	-152.845	-3434.71
45022_5022	45022	5022	-3285.61	216.1464	-15.5282	2.361188	152.8446	3434.71
45022_5023	45022	5023	3285.609	-190.478	15.52819	-2.36119	-32.5802	-1860.14
45023_5023	45023	5023	-3285.64	132.3998	-8.10075	0.208688	32.58019	1860.133
45023_5024	45023	5024	3285.642	-105.87	8.10075	-0.20869	32.26388	-906.55
45024_5024	45024	5024	-3285.63	105.8702	-12.6197	-1.03819	-32.2639	906.549
45024_5025	45024	5025	3285.627	-79.3708	12.61969	1.038188	133.161	-166.019
45025_5025	45025	5025	-3285.65	79.37081	-4.01888	-0.60375	-133.161	166.0221
45025_5026	45025	5026	3285.648	-52.8439	4.018875	0.60375	165.3212	363.0454
45026_5026	45026	5026	-3285.65	-9.28725	-3.20119	-0.63	-165.321	-363.045
45026_5027	45026	5027	3285.653	29.18081	3.201188	0.63	184.5336	247.6018
45027_5027	45027	5027	-3285.65	-29.1808	-3.76688	-0.588	-184.534	-247.602
45027_5028	45027	5028	3285.652	49.04156	3.766875	0.588	207.1086	13.24181
45028_5028	45028	5028	-3285.65	-49.0416	-3.20119	-0.59063	-207.109	-13.2418
45028_5029	45028	5029	3285.653	68.93513	3.201188	0.590625	226.3209	-340.813
45029_5029	45029	5029	-3285.65	-68.9351	2.244375	-0.02494	-226.321	340.8143
45029_5030	45029	5030	3285.653	88.82606	-2.24438	0.024938	212.8494	-814.182
45030_5030	45030	5030	-3285.67	-150.556	1.479188	-2.18269	-212.849	814.1464
45030_5031	45030	5031	3285.667	177.0759	-1.47919	2.182688	201.0133	-2124.85
45031_5031	45031	5031	-3285.66	-177.076	5.565	0.460688	-201.013	2124.854
45031_5032	45031	5032	3285.663	203.5911	-5.565	-0.46069	156.492	-3647.54
45032_5032	45032	5032	-3285.66	-203.591	5.565	0.460688	-156.492	3647.54
45032_5033	45032	5033	3285.663	230.1075	-5.565	-0.46069	111.9694	-5382.36
45033_5033	45033	5033	-3285.6	-289.177	16.07025	-3.54638	-111.969	5382.497
45033_5034	45033	5034	3285.601	314.8556	-16.0703	3.546375	-12.5304	-7722.33
45034_5034	45034	5034	-3285.6	-314.856	16.07025	-3.54638	12.53044	7722.329
45034_5035	45034	5035	3285.601	340.5334	-16.0703	3.546375	-137.032	-10261.1
45035_5035	45035	5035	-3285.58	-340.533	19.36463	6.742313	137.0316	10261.1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45035_5036	45035	5036	3285.584	375.3186	-19.3646	-6.74231	-320.505	-13925.4
45036_5036	45036	5036	134.9762	728.1383	1.001438	-40.1468	0.2205	44195.86
45036_5037	45036	5037	-128.683	-674.267	-1.00144	40.14675	-12.8586	-35178.1
45037_5037	45037	5037	110.1673	677.5388	0.891188	36.23156	4.916625	35178.12
45037_5038	45037	5038	-105.663	-627	-0.89119	-36.2316	-16.107	-26827.8
45038_5038	45038	5038	84.95813	579.1039	-0.336	-6.70425	19.70456	26828.84
45038_5039	45038	5039	-81.8514	-528.117	0.336	6.70425	-15.2526	-19525.9
45039_5039	45039	5039	89.92856	422.121	-0.59063	2.938688	17.67281	4033
45039_5040	45039	5040	-88.5623	-380.456	0.590625	-2.93869	-10.7363	833.3434
45040_5040	45040	5040	79.779	327.3283	0.014438	1.736438	10.80713	-833.316
45040_5041	45040	5041	-79.4509	-298.426	-0.01444	-1.73644	-10.9292	3583.607
45041_5041	45041	5041	76.0515	299.3091	-0.03675	-0.651	10.94888	-3583.61
45041_5042	45041	5042	-76.0515	-249.916	0.03675	0.651	-10.3793	7698.839
45042_5042	45042	5042	76.05413	191.1538	0.102375	-0.01969	10.37925	-7698.94
45042_5043	45042	5043	-76.0541	-153.691	-0.10238	0.019688	-11.6051	9755.307
45043_5043	45043	5043	76.05413	153.6911	0.102375	-0.01969	11.60513	-9755.31
45043_5044	45043	5044	-76.0541	-116.227	-0.10238	0.019688	-12.831	11364.87
45044_5044	45044	5044	76.05413	57.21713	-0.09319	-0.46988	12.831	-11365.1
45044_5045	45044	5045	-76.0541	-19.7295	0.093188	0.469875	-11.7259	11824.18
45045_5045	45045	5045	76.05413	19.7295	-0.08663	0.378	11.72588	-11824.2
45045_5046	45045	5046	-76.0541	17.72531	0.086625	-0.378	-10.6864	11836.13
45046_5046	45046	5046	76.05544	-77.0162	0.219188	8.516813	10.68638	-11836.3
45046_5047	45046	5047	-76.0554	114.4973	-0.21919	-8.51681	-13.3009	10693.72
45047_5047	45047	5047	76.05675	-114.497	0.097125	-8.61	13.30088	-10693.7
45047_5048	45047	5048	-76.0568	151.9429	-0.09713	8.61	-14.4598	9105.688
45048_5048	45048	5048	76.05544	-210.433	-0.19425	5.280188	14.45981	-9105.8
45048_5049	45048	5049	-76.0554	247.9076	0.19425	-5.28019	-12.1446	6371.915
45049_5049	45049	5049	76.05413	-247.908	-0.32156	-5.36813	12.14456	-6371.91
45049_5050	45049	5050	-76.0541	285.3756	0.321563	5.368125	-8.31338	3191.444
45050_5050	45050	5050	76.05938	-344.151	0.496125	-1.00406	8.313375	-3191.48
45050_5051	45050	5051	-76.0594	393.4967	-0.49613	1.004063	-16.1096	-2940.69
45051_5051	45051	5051	80.5245	-392.608	0.3885	2.480625	16.1385	2940.69
45051_5052	45051	5052	-80.8277	419.328	-0.3885	-2.48063	-19.3502	-6310.95
45052_5052	45052	5052	91.6335	-473.268	-0.04856	-8.27925	19.05881	6310.885
45052_5053	45052	5053	-92.8935	511.6598	0.048563	8.27925	-18.4958	-12092.2
45053_5053	45053	5053	110.5834	-516.192	-0.19294	13.545	30.35025	12746.6
45053_5054	45053	5054	-113.596	565.4723	0.192938	-13.545	-27.783	-20137.5
45054_5054	45054	5054	134.2254	-615.843	-0.27431	-21.0919	25.1265	20137.28
45054_5055	45054	5055	-138.579	664.5713	0.274313	21.09188	-21.6864	-27861.4
45055_5055	45055	5055	156.8831	-660.489	-0.40031	22.02113	26.22113	27861.38
45055_5056	45055	5056	-162.944	712.1743	0.400313	-22.0211	-21.1877	-36222.1
45056_5056	45056	5056	-2965.4	325.4606	-13.9335	-0.16275	305.3033	10459.78
45056_5057	45056	5057	2965.4	-291.687	13.9335	0.16275	-173.026	-7530.28
45057_5057	45057	5057	-2965.39	291.6874	-15.1187	-2.88356	173.0256	7473.69
45057_5058	45057	5058	2965.393	-264.723	15.11869	2.883563	-55.8653	-5317.73
45058_5058	45058	5058	-2965.41	264.7234	-11.3006	3.962438	55.86525	5317.726
45058_5059	45058	5059	2965.41	-237.762	11.30063	-3.96244	31.70344	-3370.89
45059_5059	45059	5059	-2965.41	182.2091	-11.2455	-3.06994	-31.7034	3370.895
45059_5060	45059	5060	2965.407	-154.34	11.2455	3.069938	121.7751	-2023.09
45060_5060	45060	5060	-2965.43	154.3395	-4.10813	1.80075	-121.775	2023.088
45060_5061	45060	5061	2965.426	-126.511	4.108125	-1.80075	154.6296	-899.934
45061_5061	45061	5061	-2965.43	126.5106	-4.10813	1.80075	-154.63	899.934
45061_5062	45061	5062	2965.426	-98.6803	4.108125	-1.80075	187.4841	0.631312
45062_5062	45062	5062	-2965.43	39.97219	-2.16956	0.416063	-187.484	-0.56306
45062_5063	45062	5063	2965.434	-19.0838	2.169563	-0.41606	200.5093	177.828
45063_5063	45063	5063	-2965.43	19.08375	-2.499	0.43575	-200.509	-177.828
45063_5064	45063	5064	2965.434	1.770563	2.499	-0.43575	215.4889	229.7111
45064_5064	45064	5064	-2965.43	-1.77056	2.758875	0.028875	-215.489	-229.712

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45064_5065	45064	5065	2965.434	22.65638	-2.75888	-0.02888	198.9251	156.4014
45065_5065	45065	5065	-2965.43	-22.6564	2.758875	0.028875	-198.925	-156.401
45065_5066	45065	5066	2965.434	43.54219	-2.75888	-0.02888	182.3601	-42.2822
45066_5066	45066	5066	-2965.44	-102.245	5.398313	-0.66938	-182.36	42.441
45066_5067	45066	5067	2965.439	130.0674	-5.39831	0.669375	139.1906	-971.257
45067_5067	45067	5067	-2965.44	-130.067	5.398313	-0.66938	-139.191	971.2566
45067_5068	45067	5068	2965.439	157.8898	-5.39831	0.669375	96.01988	-2122.55
45068_5068	45068	5068	-2965.43	-157.89	9.331875	2.145938	-96.0199	2122.547
45068_5069	45068	5069	2965.43	185.745	-9.33188	-2.14594	21.31369	-3498.06
45069_5069	45069	5069	-2965.41	-240.93	11.92013	-6.85125	-21.3137	3498.193
45069_5070	45069	5070	2965.406	267.8786	-11.9201	6.85125	-71.0089	-5468.53
45070_5070	45070	5070	-2965.39	-267.879	15.97444	0.62475	71.00888	5468.53
45070_5071	45070	5071	2965.388	294.8584	-15.9744	-0.62475	-194.877	-7650.34
45071_5071	45071	5071	-2965.38	-294.858	17.73844	5.513813	194.8774	7706.923
45071_5072	45071	5072	2965.377	328.6448	-17.7384	-5.51381	-363.337	-10667.7
45072_5072	45072	5072	161.1724	703.8098	0.186375	-21.8663	20.33588	36475.57
45072_5073	45072	5073	-155.111	-652.13	-0.18638	21.86625	-22.68	-27945.1
45073_5073	45073	5073	137.0486	656.1634	0.061688	21.96994	18.09413	27945.08
45073_5074	45073	5074	-132.695	-607.451	-0.06169	-21.9699	-18.8659	-20018.2
45074_5074	45074	5074	112.7149	564.1178	0.800625	-1.03163	20.84775	20018.84
45074_5075	45074	5075	-109.703	-514.823	-0.80063	1.031625	-31.4816	-12859.1
45075_5075	45075	5075	85.50938	410.6708	-0.27431	-2.35856	16.41675	-3380.71
45075_5076	45075	5076	-84.2914	-373.524	0.274313	2.358563	-13.188	7988.736
45076_5076	45076	5076	75.70763	325.8964	-0.06825	7.273875	13.02131	-7988.91
45076_5077	45076	5077	-75.4149	-300.066	0.06825	-7.27388	-12.4583	10571.8
45077_5077	45077	5077	72.00113	300.9038	-0.1575	-5.99288	12.53963	-10592.8
45077_5078	45077	5078	-72.0011	-253.576	0.1575	5.992875	-10.2966	14546.27
45078_5078	45078	5078	72.00244	202.0134	0.0315	15.09506	10.29656	-14546.5
45078_5079	45078	5079	-72.0024	-164.792	-0.0315	-15.0951	-10.6509	16603.36
45079_5079	45079	5079	72.00244	164.7923	-0.09713	-14.4769	10.65094	-16603.4
45079_5080	45079	5080	-72.0024	-127.576	0.097125	14.47688	-9.5655	18242.67
45080_5080	45080	5080	72.00375	76.13025	0.128625	17.10056	9.5655	-18242.8
45080_5081	45080	5081	-72.0038	-38.913	-0.12863	-17.1006	-11.0145	18887.89
45081_5081	45081	5081	72.00375	38.913	0.001313	-16.5467	11.0145	-18887.9
45081_5082	45081	5082	-72.0038	-1.69969	-0.00131	16.54669	-11.0237	19115.59
45082_5082	45082	5082	72.00375	-51.4644	-0.08925	0.44625	11.02369	-19116
45082_5083	45082	5083	-72.0038	91.43269	0.08925	-0.44625	-9.9435	18255.53
45083_5083	45083	5083	72.00375	-91.4327	-0.09188	-0.25725	9.9435	-18255.5
45083_5084	45083	5084	-72.0038	131.4338	0.091875	0.25725	-8.8305	16912.42
45084_5084	45084	5084	72.00375	-184.968	-0.08663	12.9885	8.8305	-16912.7
45084_5085	45084	5085	-72.0038	222.1761	0.086625	-12.9885	-7.86319	14630.4
45085_5085	45085	5085	72.00375	-222.176	-0.21394	-13.0869	7.863188	-14630.4
45085_5086	45085	5086	-72.0038	259.3802	0.213938	13.08694	-5.45738	11931.21
45086_5086	45086	5086	72.00506	-310.099	0.021	7.440563	5.457375	-11931.3
45086_5087	45086	5087	-72.0051	347.3046	-0.021	-7.44056	-5.68969	8246.435
45087_5087	45087	5087	72.00506	-347.305	-0.11025	-7.56	5.689688	-8246.43
45087_5088	45087	5088	-72.0051	384.5389	0.11025	7.56	-4.452	4141.001
45088_5088	45088	5088	72.00769	-435.254	0.292688	-1.38075	4.452	-4141.08
45088_5089	45088	5089	-72.0077	480.7911	-0.29269	1.38075	-8.46431	-2143.46
45089_5089	45089	5089	77.469	-479.942	0.200813	1.2075	8.47875	2164.404
45089_5090	45089	5090	-77.7788	507.2235	-0.20081	-1.2075	-10.1312	-6421.82
45090_5090	45090	5090	90.3105	-556.66	-0.27169	-14.5517	9.64425	6421.731
45090_5091	45090	5091	-91.5981	595.9065	0.271688	14.55169	-6.447	-13268.4
45091_5091	45091	5091	111.9996	-599.629	-0.45281	12.24825	14.46244	13797.78
45091_5092	45091	5092	-114.953	648.0981	0.452813	-12.2483	-8.45644	-22023.8
45092_5092	45092	5092	137.8545	-697.889	-0.4095	-12.6827	6.594	22023.63
45092_5093	45092	5093	-142.128	745.8216	0.4095	12.68269	-1.45425	-31168.9
45093_5093	45093	5093	162.6069	-741.626	-0.4725	12.63675	4.071375	31168.87

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45093_5094	45093	5094	-168.567	792.5584	0.4725	-12.6368	1.871625	-40921.7
45094_5094	45094	5094	-3216.05	296.8232	-9.072	-4.49794	120.2801	11079.27
45094_5095	45094	5095	3216.045	-263.629	9.072	4.497938	-34.1368	-8308.81
45095_5095	45095	5095	-3216.05	263.6288	-7.76213	-1.113	34.13681	8308.813
45095_5096	45095	5096	3216.048	-237.3	7.762125	1.113	26.04919	-6366.71
45096_5096	45096	5096	-3216.06	237.3	-3.74456	6.839438	-26.0492	6366.701
45096_5097	45096	5097	3216.056	-211.005	3.744563	-6.83944	55.04888	-4630.93
45097_5097	45097	5097	-3216.08	157.6824	0.13125	-1.24425	-55.0489	4630.886
45097_5098	45097	5098	3216.077	-130.506	-0.13125	1.24425	53.99625	-3477.61
45098_5098	45098	5098	-3216.08	130.5058	0.13125	-1.24425	-53.9963	3477.611
45098_5099	45098	5099	3216.077	-103.329	-0.13125	1.24425	52.94363	-2541.85
45099_5099	45099	5099	-3216.07	103.3292	4.032	1.838813	-52.9436	2541.848
45099_5100	45099	5100	3216.074	-76.1867	-4.032	-1.83881	20.71125	-1824.38
45100_5100	45100	5100	-3216.08	19.26619	4.697438	2.896688	-20.7113	1824.38
45100_5101	45100	5101	3216.075	1.115625	-4.69744	-2.89669	-7.48519	-1769.9
45101_5101	45101	5101	-3216.06	-1.11563	10.05375	5.844563	7.485188	1769.896
45101_5102	45101	5102	3216.063	21.49613	-10.0538	-5.84456	-67.8274	-1837.75
45102_5102	45102	5102	-3216.06	-21.4961	-11.3676	-6.39713	67.82738	1837.751
45102_5103	45102	5103	3216.059	41.88056	11.36756	6.397125	0.416063	-2027.98
45103_5103	45103	5103	-3216.07	-41.8806	-6.18319	-3.12769	-0.41606	2027.992
45103_5104	45103	5104	3216.073	62.23088	6.183188	3.127688	37.47056	-2339.96
45104_5104	45104	5104	-3216.08	-119.378	-4.09631	-2.93869	-37.4706	2339.97
45104_5105	45104	5105	3216.075	146.5564	4.096313	2.938688	70.25681	-3404.23
45105_5105	45105	5105	-3216.08	-146.556	-0.20081	1.185188	-70.2568	3404.23
45105_5106	45105	5106	3216.078	173.6989	0.200813	-1.18519	71.85938	-4684.23
45106_5106	45106	5106	-3216.08	-173.699	-0.08006	1.361063	-71.8594	4684.23
45106_5107	45106	5107	3216.078	200.8768	0.080063	-1.36106	72.49856	-6183.21
45107_5107	45107	5107	-3216.07	-254.405	5.525625	-4.48219	-72.4986	6183.289
45107_5108	45107	5108	3216.067	280.7306	-5.52563	4.482188	29.66381	-8257.77
45108_5108	45108	5108	-3216.07	-280.731	5.4075	-4.78538	-29.6638	8257.771
45108_5109	45108	5109	3216.067	307.0226	-5.4075	4.785375	-12.2049	-10533.3
45109_5109	45109	5109	-3216.06	-307.023	8.799	6.322313	12.20494	10533.3
45109_5110	45109	5110	3216.061	340.2473	-8.799	-6.32231	-95.823	-13745.1
45110_5110	45110	5110	161.6068	735.7783	0.021	-27.8329	8.060063	44089.72
45110_5111	45110	5111	-155.648	-684.859	-0.021	27.83288	-8.32125	-35061.2
45111_5111	45111	5111	136.7336	688.884	-0.09713	26.54925	2.680125	35061.16
45111_5112	45111	5112	-132.459	-640.967	0.097125	-26.5493	-1.45425	-26903.7
45112_5112	45112	5112	111.6767	600.1459	0.160125	-4.50319	4.08975	26904.34
45112_5113	45112	5113	-108.722	-551.657	-0.16013	4.503188	-6.20813	-19294
45113_5113	45113	5113	79.98506	445.6213	-0.27431	1.741688	19.19006	2476.684
45113_5114	45113	5114	-78.7106	-406.754	0.274313	-1.74169	-15.9692	2736.807
45114_5114	45114	5114	69.43519	359.772	-0.19819	1.4595	16.002	-2736.86
45114_5115	45114	5115	-69.1281	-332.78	0.198188	-1.4595	-14.3666	6006.619
45115_5115	45115	5115	65.33888	333.5443	-0.21525	-0.21788	14.38238	-6027.28
45115_5116	45115	5116	-65.3389	-289.531	0.21525	0.217875	-11.3098	9916.571
45116_5116	45116	5116	65.33888	239.7938	-0.13913	5.647688	11.30981	-9916.58
45116_5117	45116	5117	-65.3389	-205.148	0.139125	-5.64769	-9.74531	12410.91
45117_5117	45117	5117	65.33756	205.1477	-0.19819	-5.42063	9.745313	-12410.9
45117_5118	45117	5118	-65.3376	-170.5	0.198188	5.420625	-7.5285	14516.75
45118_5118	45118	5118	65.33756	120.3011	-0.11681	6.9825	7.5285	-14516.8
45118_5119	45118	5119	-65.3376	-85.6551	0.116813	-6.9825	-6.21731	15671.31
45119_5119	45119	5119	65.33756	85.65506	-0.17456	-6.99431	6.217313	-15671.3
45119_5120	45119	5120	-65.3376	-51.0103	0.174563	6.994313	-4.25381	16437.4
45120_5120	45120	5120	65.33756	-0.73762	-0.12206	20.03269	4.253813	-16437.4
45120_5121	45120	5121	-65.3376	37.9785	0.122063	-20.0327	-2.77594	16204.09
45121_5121	45121	5121	65.33756	-37.9785	-0.28481	-20.1338	2.775938	-16204.1
45121_5122	45121	5122	-65.3376	75.18788	0.284813	20.13375	0.649688	15522.78
45122_5122	45122	5122	65.33756	-126.378	-0.18506	6.067688	-0.64969	-15522.8

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45122_5123	45122	5123	-65.3376	161.0214	0.185063	-6.06769	2.731313	13911.81
45123_5123	45123	5123	65.33756	-161.021	-0.24413	-6.34069	-2.73131	-13911.8
45123_5124	45123	5124	-65.3376	195.6636	0.244125	6.340688	5.466563	11912.48
45124_5124	45124	5124	65.33625	-244.895	0.024938	7.81725	-5.46656	-11912.4
45124_5125	45124	5125	-65.3363	279.5389	-0.02494	-7.81725	5.185688	8972.795
45125_5125	45125	5125	65.33625	-279.539	-0.09188	-8.19	-5.18569	-8972.79
45125_5126	45125	5126	-65.3363	314.1797	0.091875	8.19	6.21075	5644.895
45126_5126	45126	5126	65.33625	-362.15	-0.64706	-0.1575	-6.21075	-5644.86
45126_5127	45126	5127	-65.3363	404.3944	0.647063	0.1575	15.05569	429.7015
45127_5127	45127	5127	69.92606	-403.627	-0.72844	-0.28481	-15.0596	-409.79
45127_5128	45127	5128	-70.2083	428.4381	0.728438	0.284813	21.07481	-3228.63
45128_5128	45128	5128	80.85788	-472.411	1.689188	-6.59925	-21.2979	3228.568
45128_5129	45128	5129	-82.0286	508.1239	-1.68919	6.59925	1.446375	-9337.59
45129_5129	45129	5129	105.2599	-512.034	1.404375	11.91225	-5.93906	10043.84
45129_5130	45129	5130	-108.12	558.9833	-1.40438	-11.9123	-12.7076	-17079.3
45130_5130	45130	5130	128.1433	-604.898	-4.4205	-10.3425	11.08538	17079.21
45130_5131	45130	5131	-132.29	651.399	4.4205	10.3425	44.39269	-25196
45131_5131	45131	5131	150.2235	-647.498	-4.47956	10.32413	-42.3859	25195.98
45131_5132	45131	5132	-156.014	696.9598	4.479563	-10.3241	98.76563	-33906.4
45132_5132	45132	5132	-2824.48	285.0632	30.54975	12.70238	-374.799	8641.501
45132_5133	45132	5133	2824.475	-252.945	-30.5498	-12.7024	84.57881	-5834.27
45133_5133	45133	5133	-2824.43	252.945	34.19325	20.22956	-84.5788	5834.246
45133_5134	45133	5134	2824.433	-228.992	-34.1933	-20.2296	-180.423	-3966.74
45134_5134	45134	5134	-2824.64	228.9919	-2.20894	-30.8923	180.4228	3966.67
45134_5135	45134	5135	2824.639	-205.005	2.208938	30.89231	-163.284	-2282.65
45135_5135	45135	5135	-2824.61	143.1531	-4.52025	-1.029	163.2842	2283.132
45135_5136	45135	5136	2824.612	-118.424	4.52025	1.029	-127.12	-1236.76
45136_5136	45136	5136	-2824.61	118.4243	-0.98963	0.515813	127.1196	1236.758
45136_5137	45136	5137	2824.614	-93.6968	0.989625	-0.51581	-119.201	-388.232
45137_5137	45137	5137	-2824.61	93.69675	-4.55963	0.02625	119.2013	388.2323
45137_5138	45137	5138	2824.61	-68.9994	4.559625	-0.02625	-82.7649	261.7781
45138_5138	45138	5138	-2824.62	8.897438	-4.47563	0.043313	82.76494	-261.933
45138_5139	45138	5139	2824.617	9.6495	4.475625	-0.04331	-55.9086	259.6768
45139_5139	45139	5139	-2824.62	-9.6495	0.231	-0.38981	55.90856	-259.677
45139_5140	45139	5140	2824.619	28.19513	-0.231	0.389813	-57.2972	146.1377
45140_5140	45140	5140	-2824.62	-28.1951	-4.47563	-0.14569	57.29719	-146.138
45140_5141	45140	5141	2824.617	46.74075	4.475625	0.145688	-30.4421	-78.687
45141_5141	45141	5141	-2824.62	-46.7408	0.231	-0.01444	30.44213	78.687
45141_5142	45141	5142	2824.619	65.28769	-0.231	0.014438	-31.8308	-414.789
45142_5142	45142	5142	-2824.62	-124.068	-2.96888	-0.13125	31.83075	414.6516
45142_5143	45142	5143	2824.621	148.7955	2.968875	0.13125	-8.07581	-1506.18
45143_5143	45143	5143	-2824.62	-148.796	-2.96888	-0.13125	8.075813	1506.175
45143_5144	45143	5144	2824.621	173.5243	2.968875	0.13125	15.67781	-2795.54
45144_5144	45144	5144	-2824.62	-173.524	-2.96888	-0.13125	-15.6778	2795.537
45144_5145	45144	5145	2824.621	198.2518	2.968875	0.13125	39.43275	-4282.74
45145_5145	45145	5145	-2824.62	-252.747	-1.20488	2.974125	-39.4328	4282.615
45145_5146	45145	5146	2824.622	276.7026	1.204875	-2.97413	48.76856	-6334.34
45146_5146	45146	5146	-2824.62	-276.703	-1.20488	2.974125	-48.7686	6334.338
45146_5147	45146	5147	2824.622	300.657	1.204875	-2.97413	58.10438	-8571.72
45147_5147	45147	5147	-2824.62	-300.657	-4.75256	-7.79363	-58.1044	8571.721
45147_5148	45147	5148	2824.619	332.7765	4.752563	7.793625	103.2596	-11580.7
45148_5148	45148	5148	142.9785	639.9212	-0.00525	-12.3296	-11.9438	36888.41
45148_5149	45148	5149	-137.186	-590.456	0.00525	12.32963	12.00675	-29149.1
45149_5149	45149	5149	120.8314	594.0191	-0.05906	11.23106	-14.4126	29149.08
45149_5150	45149	5150	-116.685	-547.516	0.059063	-11.2311	15.15413	-21988.5
45150_5150	45150	5150	98.88638	511.4865	0.140438	-0.97519	-14.0634	21988.55
45150_5151	45150	5151	-96.0251	-464.534	-0.14044	0.975188	12.19706	-15512.2
45151_5151	45151	5151	84.65363	345.3398	0.023625	0.059062	-9.51169	-254.285

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45151_5152	45151	5152	-83.4501	-308.649	-0.02363	-0.05906	9.226875	4098.18
45152_5152	45152	5152	76.27463	262.6995	0.147	-0.08269	-9.22031	-4098.18
45152_5153	45152	5153	-75.9859	-237.203	-0.147	0.082688	8.0115	6160.459
45153_5153	45153	5153	73.28475	238.0508	0.147	0.05775	-8.0115	-6160.46
45153_5154	45153	5154	-73.2848	-196.901	-0.147	-0.05775	5.99025	9148.76
45154_5154	45154	5154	73.28606	145.2478	0.14175	0.027563	-5.99025	-9148.76
45154_5155	45154	5155	-73.2861	-112.304	-0.14175	-0.02756	4.429688	10565.38
45155_5155	45155	5155	73.28606	112.3041	0.14175	0.027563	-4.42969	-10565.4
45155_5156	45155	5156	-73.2861	-79.3603	-0.14175	-0.02756	2.870438	11619.6
45156_5156	45156	5156	73.28606	27.51131	0.07875	-0.02494	-2.87044	-11619.6
45156_5157	45156	5157	-73.2861	2.4675	-0.07875	0.024938	2.086875	11744.95
45157_5157	45157	5157	73.28606	-2.4675	0.07875	0.103688	-2.08688	-11745
45157_5158	45157	5158	-73.2861	32.41744	-0.07875	-0.10369	1.295438	11570.52
45158_5158	45158	5158	73.28475	-81.7071	0.12075	-5.27494	-1.29544	-11570.4
45158_5159	45158	5159	-73.2848	111.6846	-0.12075	5.274938	0.093187	10602.45
45159_5159	45159	5159	73.28475	-111.685	0.192938	5.315625	-0.09319	-10602.4
45159_5160	45159	5160	-73.2848	141.6647	-0.19294	-5.31563	-1.84275	9334.358
45160_5160	45160	5160	73.28606	-194.012	0.12075	0.030188	1.84275	-9334.41
45160_5161	45160	5161	-73.2861	226.9562	-0.12075	-0.03019	-3.16444	7018.948
45161_5161	45161	5161	73.28606	-226.956	0.12075	0.030188	3.164438	-7018.95
45161_5162	45161	5162	-73.2861	259.8999	-0.12075	-0.03019	-4.48744	4341.086
45162_5162	45162	5162	73.28738	-312.203	-0.05119	-0.02363	4.487438	-4341.09
45162_5163	45162	5163	-73.2874	353.3539	0.051188	0.023625	-3.78263	-233.916
45163_5163	45163	5163	77.29706	-352.498	-0.105	0.103688	3.78525	233.9158
45163_5164	45163	5164	-77.5871	377.9948	0.105	-0.10369	-2.91769	-3277.64
45164_5164	45164	5164	87.2865	-425.704	0.177188	3.798375	3.042375	3277.652
45164_5165	45164	5165	-88.4901	462.3938	-0.17719	-3.79838	-5.12138	-8549.92
45165_5165	45165	5165	104.4199	-469.298	0.4095	-5.76975	4.13175	9417.212
45165_5166	45165	5166	-107.318	516.8625	-0.4095	5.76975	-9.56288	-16026.3
45166_5166	45166	5166	126.3439	-564.745	0.280875	-8.78588	9.152063	16026.35
45166_5167	45166	5167	-130.541	611.8271	-0.28088	8.785875	-12.6853	-23480.7
45167_5167	45167	5167	147.3872	-607.989	0.2205	9.337125	14.60025	23480.69
45167_5168	45167	5168	-153.246	658.0324	-0.2205	-9.33713	-17.3814	-31211.8
45168_5168	45168	5168	-2732.9	308.6304	-1.86375	-3.27731	15.11738	8602.279
45168_5169	45168	5169	2732.905	-276.071	1.86375	3.277313	2.592188	-5824.76
45169_5169	45169	5169	-2732.9	276.0713	1.533	3.962438	-2.59219	5824.76
45169_5170	45169	5170	2732.905	-251.487	-1.533	-3.96244	-9.27281	-3783
45170_5170	45170	5170	-2732.9	251.4868	-1.95694	-0.86756	9.272813	3783
45170_5171	45170	5171	2732.903	-226.871	1.956938	0.867563	5.893125	-1929.24
45171_5171	45171	5171	-2732.9	166.8161	2.18925	0.557813	-5.89313	1929.073
45171_5172	45171	5172	2732.905	-141.406	-2.18925	-0.55781	-11.6209	-696.121
45172_5172	45172	5172	-2732.9	141.4061	-1.22719	-0.31238	11.62088	696.1211
45172_5173	45172	5173	2732.905	-115.996	1.227188	0.312375	-1.80731	333.5522
45173_5173	45173	5173	-2732.9	115.9961	-1.22719	-0.31238	1.807313	-333.552
45173_5174	45173	5174	2732.905	-90.5848	1.227188	0.312375	8.00625	1159.93
45174_5174	45174	5174	-2732.91	27.384	2.584313	-1.03425	-8.00625	-1160.09
45174_5175	45174	5175	2732.907	-8.3265	-2.58431	1.03425	-7.50094	1267.224
45175_5175	45175	5175	-2732.91	8.3265	-1.97006	1.077563	7.500938	-1267.22
45175_5176	45175	5176	2732.909	10.73231	1.970063	-1.07756	4.319438	1260.007
45176_5176	45176	5176	-2732.91	-10.7323	2.584313	-1.02244	-4.31944	-1260.01
45176_5177	45176	5177	2732.907	29.78981	-2.58431	1.022438	-11.1891	1138.436
45177_5177	45177	5177	-2732.91	-29.7898	-1.97006	0.875438	11.18906	-1138.44
45177_5178	45177	5178	2732.909	48.84731	1.970063	-0.87544	0.631313	902.5104
45178_5178	45178	5178	-2732.91	-111.933	-0.68644	-0.56963	-0.63131	-902.69
45178_5179	45178	5179	2732.909	137.3426	0.686438	0.569625	6.118875	-94.4711
45179_5179	45179	5179	-2732.91	-137.343	-0.68644	-0.56963	-6.11888	94.47112
45179_5180	45179	5180	2732.909	162.7526	0.686438	0.569625	11.60644	-1294.93
45180_5180	45180	5180	-2732.91	-162.753	2.73	1.048688	-11.6064	1294.93

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45180_5181	45180	5181	2732.907	188.1626	-2.73	-1.04869	-10.2336	-2698.66
45181_5181	45181	5181	-2732.9	-247.316	-2.16431	-1.24819	10.23356	2698.685
45181_5182	45181	5182	2732.903	271.9316	2.164313	1.248188	6.545438	-4710.9
45182_5182	45182	5182	-2732.9	-271.932	1.361063	4.828688	-6.54544	4710.899
45182_5183	45182	5183	2732.903	296.5476	-1.36106	-4.82869	-4.00313	-6913.87
45183_5183	45183	5183	-2732.9	-296.548	-2.07244	-3.85613	4.003125	6913.873
45183_5184	45183	5184	2732.903	329.1068	2.072438	3.856125	15.68306	-10083.6
45184_5184	45184	5184	169.8729	640.8163	-0.06694	10.05638	-13.8114	33584.91
45184_5185	45184	5185	-164.014	-590.773	0.066938	-10.0564	14.65275	-25934.9
45185_5185	45185	5185	147.6379	595.077	0.007875	-9.60488	-12.5803	25934.87
45185_5186	45185	5186	-143.441	-547.996	-0.00788	9.604875	12.47269	-18729.5
45186_5186	45186	5186	125.2361	506.3048	-0.5145	-0.72713	-13.2576	18729.57
45186_5187	45186	5187	-122.338	-458.741	0.5145	0.727125	20.08781	-12534.2
45187_5187	45187	5187	94.47638	337.2626	0.164063	0.8715	-1.64981	-4538.62
45187_5188	45187	5188	-93.219	-298.911	-0.16406	-0.8715	-0.27956	8576.927
45188_5188	45188	5188	86.21156	249.1388	-0.13388	0.081375	0.307125	-8576.87
45188_5189	45188	5189	-85.9097	-222.508	0.133875	-0.08138	0.800625	9884.902
45189_5189	45189	5189	83.37263	223.4715	-0.13519	-0.01969	-0.79931	-9872.54
45189_5190	45189	5190	-83.3726	-178.508	0.135188	0.019688	2.66175	12636.31
45190_5190	45190	5190	83.36869	121.5008	0.249375	0.013125	-2.66175	-12636.3
45190_5191	45190	5191	-83.3687	-85.5304	-0.24938	-0.01313	-0.08794	13775.04
45191_5191	45191	5191	83.36869	85.53038	0.249375	0.013125	0.087938	-13775
45191_5192	45191	5192	-83.3687	-49.5587	-0.24938	-0.01313	-2.83763	14518.08
45192_5192	45192	5192	83.37131	-7.13869	-0.0945	0.09975	2.837625	-14518.1
45192_5193	45192	5193	-83.3713	39.90394	0.0945	-0.09975	-1.89131	14282.39
45193_5193	45193	5193	83.37131	-39.9039	-0.09581	-0.05644	1.891313	-14282.4
45193_5194	45193	5194	-83.3713	72.70331	0.095812	0.056438	-0.93581	13717.63
45194_5194	45194	5194	83.36738	-126.646	0.169313	0.00525	0.935813	-13717.6
45194_5195	45194	5195	-83.3674	159.4451	-0.16931	-0.00525	-2.62763	12282.79
45195_5195	45195	5195	83.36738	-159.445	0.169313	0.00525	2.627625	-12282.8
45195_5196	45195	5196	-83.3674	192.2432	-0.16931	-0.00525	-4.31944	10518.97
45196_5196	45196	5196	83.37131	-249.686	-0.01706	-0.0105	4.319438	-10519
45196_5197	45196	5197	-83.3713	285.6564	0.017063	0.0105	-4.13569	7574.409
45197_5197	45197	5197	83.37131	-285.656	-0.01706	-0.0105	4.135688	-7574.41
45197_5198	45197	5198	-83.3713	321.6268	0.017063	0.0105	-3.95194	4234.153
45198_5198	45198	5198	83.37	-379.991	0.082688	-0.02888	3.951938	-4234.16
45198_5199	45198	5199	-83.37	424.9219	-0.08269	0.028875	-5.08594	-1334.8
45199_5199	45199	5199	88.28663	-423.927	0.081375	-0.05381	5.084625	1310.091
45199_5200	45199	5200	-88.6082	451.6943	-0.08138	0.053813	-5.76056	-5030.79
45200_5200	45200	5200	100.3275	-505.956	-0.04988	1.106438	5.80125	5030.736
45200_5201	45200	5201	-101.661	545.8793	0.049875	-1.10644	-5.21063	-11399
45201_5201	45201	5201	121.2593	-552.965	0.043313	-1.995	10.72969	12379.29
45201_5202	45201	5202	-124.543	606.1283	-0.04331	1.995	-11.3033	-20104.9
45202_5202	45202	5202	147.0643	-662.625	-0.09844	10.95019	12.43856	20104.79
45202_5203	45202	5203	-151.788	714.9883	0.098438	-10.9502	-11.2035	-28637
45203_5203	45203	5203	171.5149	-710.514	-0.02888	-11.8873	8.839688	28636.95
45203_5204	45203	5204	-178.054	765.8411	0.028875	11.88731	-8.47613	-38018.3
45204_5204	45204	5204	-3171.52	337.9478	-3.40594	2.7195	127.7706	10737.84
45204_5205	45204	5205	3171.516	-301.375	3.405938	-2.7195	-95.4069	-7594.57
45205_5205	45205	5205	-3171.51	301.3749	-6.85256	-4.69088	95.40694	7205.798
45205_5206	45205	5206	3171.511	-273.483	6.852563	4.690875	-42.2993	-4978.07
45206_5206	45206	5206	-3171.52	273.483	-2.76019	1.731188	42.29925	4978.076
45206_5207	45206	5207	3171.516	-245.592	2.760188	-1.73119	-20.9055	-2966.55
45207_5207	45207	5207	-3171.53	183.1804	-4.90875	-0.10763	20.9055	2966.56
45207_5208	45207	5208	3171.528	-154.389	4.90875	0.107625	18.36844	-1616.2
45208_5208	45208	5208	-3171.53	154.3894	-4.90875	-0.10763	-18.3684	1616.197
45208_5209	45208	5209	3171.528	-125.598	4.90875	0.107625	57.64106	-496.179
45209_5209	45209	5209	-3171.53	125.5984	-4.90875	-0.10763	-57.6411	496.1788

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45209_5210	45209	5210	3171.528	-96.8061	4.90875	0.107625	96.915	393.4954
45210_5210	45210	5210	-3171.57	32.05256	1.563188	-0.44494	-96.915	-393.51
45210_5211	45210	5211	3171.571	-10.4606	-1.56319	0.444938	87.53456	521.0559
45211_5211	45211	5211	-3171.57	10.46063	-3.72225	0.423938	-87.5346	-521.056
45211_5212	45211	5212	3171.568	11.13394	3.72225	-0.42394	109.8668	519.036
45212_5212	45212	5212	-3171.57	-11.1339	1.563188	-0.441	-109.867	-519.036
45212_5213	45212	5213	3171.571	32.72719	-1.56319	0.441	100.4863	387.4487
45213_5213	45213	5213	-3171.57	-32.7272	-3.72225	0.20475	-100.486	-387.449
45213_5214	45213	5214	3171.568	54.32044	3.72225	-0.20475	122.8198	126.2914
45214_5214	45214	5214	-3171.66	-118.674	2.155125	0.128625	-122.82	-126.144
45214_5215	45214	5215	3171.658	147.4659	-2.15513	-0.12863	105.5828	-938.482
45215_5215	45215	5215	-3171.65	-147.466	6.118875	1.302	-105.583	938.4808
45215_5216	45215	5216	3171.652	176.2569	-6.11888	-1.302	56.63175	-2233.43
45216_5216	45216	5216	-3171.66	-176.257	2.155125	-1.48969	-56.6318	2233.434
45216_5217	45216	5217	3171.658	205.0479	-2.15513	1.489688	39.39469	-3758.75
45217_5217	45217	5217	-3171.68	-266.21	2.534438	-22.9044	-39.3947	3758.499
45217_5218	45217	5218	3171.677	294.0669	-2.53444	22.90444	19.77938	-5926.92
45218_5218	45218	5218	-3171.67	-294.067	6.674063	-15.1686	-19.7794	5926.946
45218_5219	45218	5219	3171.671	321.9576	-6.67406	15.16856	-31.9449	-8314.17
45219_5219	45219	5219	-3171.57	-321.958	26.05838	38.8395	31.94494	8702.887
45219_5220	45219	5220	3171.571	358.5291	-26.0584	-38.8395	-279.496	-11935.2
45220_5220	45220	5220	154.9026	738.6159	0.712688	-48.9838	-1.11563	39229.73
45220_5221	45220	5221	-148.364	-683.293	-0.71269	48.98381	-7.85138	-30284.4
45221_5221	45221	5221	129.3981	687.1371	0.497438	47.33138	-2.21419	30284.38
45221_5222	45221	5222	-124.674	-634.775	-0.49744	-47.3314	-4.02938	-22211.2
45222_5222	45222	5222	103.2386	582.3051	0.711375	-3.75244	8.512875	22211.7
45222_5223	45222	5223	-99.9548	-529.141	-0.71138	3.752438	-17.9616	-14762.2
45223_5223	45223	5223	85.50544	402.6986	0.42	-2.73	-6.64256	-1937.68
45223_5224	45223	5224	-84.1024	-360.688	-0.42	2.73	1.701	6662.13
45224_5224	45224	5224	75.49238	299.7973	0.557813	19.09425	-2.01206	-6662.57
45224_5225	45224	5225	-75.1538	-270.565	-0.55781	-19.0943	-2.58563	8759.536
45225_5225	45225	5225	72.01556	271.4171	0.280875	-14.5898	2.807438	-8749.5
45225_5226	45225	5226	-72.0156	-214.736	-0.28088	14.58975	-7.14656	12503.51
45226_5226	45226	5226	72.01688	145.2399	0.896438	29.53913	7.146563	-12503.4
45226_5227	45226	5227	-72.0169	-101.733	-0.89644	-29.5391	-17.7778	13967.19
45227_5227	45227	5227	72.0195	101.7332	0.59325	-29.3475	17.77781	-13967.2
45227_5228	45227	5228	-72.0195	-58.2212	-0.59325	29.3475	-24.8115	14915.36
45228_5228	45228	5228	72.01556	-12.621	0.900375	30.52088	24.8115	-14914.1
45228_5229	45228	5229	-72.0156	56.13694	-0.90038	-30.5209	-35.4821	14506.46
45229_5229	45229	5229	72.01819	-56.1369	0.595875	-30.6128	35.48213	-14506.5
45229_5230	45229	5230	-72.0182	99.65944	-0.59588	30.61275	-42.5552	13582.73
45230_5230	45230	5230	72.03263	-172.523	-0.14831	18.07575	42.55519	-13580.4
45230_5231	45230	5231	-72.0326	217.2621	0.148313	-18.0758	-40.7544	11204.68
45231_5231	45231	5231	72.03131	-217.262	-0.38325	-18.6572	40.75444	-11204.7
45231_5232	45231	5232	-72.0313	262.0078	0.38325	18.65719	-36.0754	8283.169
45232_5232	45232	5232	71.92369	-333.782	3.9165	7.771313	36.07538	-8281.44
45232_5233	45232	5233	-71.9237	367.5131	-3.9165	-7.77131	-72.0654	5058.8
45233_5233	45233	5233	75.45956	-366.804	3.808875	-0.43313	72.06413	-5058.81
45233_5234	45233	5234	-75.7076	392.6173	-3.80888	0.433125	-98.3049	2516.415
45234_5234	45234	5234	81.98925	-391.355	3.642188	-7.67681	98.14088	-2516.41
45234_5235	45234	5235	-82.7361	420.4974	-3.64219	7.676813	-126.341	-713.784
45235_5235	45235	5235	91.43269	-481.3	-2.45963	-9.1455	126.2323	713.9326
45235_5236	45235	5236	-92.2464	501.6559	2.459625	9.1455	-113.022	-3373.29
45236_5236	45236	5236	83.9895	-520.245	-3.18281	-1.61306	227.4576	5634.222
45236_5237	45236	5237	-86.184	559.734	3.182813	1.613063	-200.507	-10251
45237_5237	45237	5237	95.3715	-558.24	-3.297	15.91144	201.9544	10250.98
45237_5238	45237	5238	-97.6329	589.6039	3.297	-15.9114	-180.171	-14081.1
45238_5238	45238	5238	114.2164	-655.274	-2.40975	-24.5858	177.0681	14077.1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45238_5239	45238	5239	-118.546	703.3202	2.40975	24.58575	-153.27	-20646.6
45239_5239	45239	5239	157.3412	-695.668	-2.53706	14.72231	158.6629	20646.59
45239_5240	45239	5240	-165.252	749.7158	2.537063	-14.7223	-131.526	-28372.4
45240_5240	45240	5240	-2997.89	397.3371	-95.6471	-6.98381	1881.02	8429.577
45240_5241	45240	5241	2997.885	-341.553	95.64713	6.983813	-705.832	-3890.3
45241_5241	45241	5241	-2998.25	341.5532	-83.3018	9.036563	705.8323	3890.296
45241_5242	45241	5242	2998.254	-315.365	83.30175	-9.03656	-218.155	-1967.37
45242_5242	45242	5242	-2998.32	315.3649	-80.997	10.54856	218.1546	1967.364
45242_5243	45242	5243	2998.317	-286.934	80.997	-10.5486	296.6565	-53.2757
45243_5243	45243	5243	-3001.76	222.7523	-15.1423	3.82725	-296.657	52.8885
45243_5244	45243	5244	3001.761	-178.795	15.14231	-3.82725	445.4573	1919.996
45244_5244	45244	5244	-3001.8	178.7953	-5.06888	-2.61581	-445.457	-1920
45244_5245	45244	5245	3001.795	-135.008	5.068875	2.615813	495.0789	3455.872
45245_5245	45245	5245	-3000.65	80.48119	-21.231	7.130813	-495.079	-3454.96
45245_5246	45245	5246	3000.652	-35.1146	21.231	-7.13081	710.3946	4041.123
45246_5246	45246	5246	-3000.71	35.11463	-11.0644	-6.55988	-710.395	-4041.12
45246_5247	45246	5247	3000.706	7.30275	11.06438	6.559875	815.3106	4172.984
45247_5247	45247	5247	-3000.5	-65.3126	-7.94063	5.73825	-815.311	-4171.96
45247_5248	45247	5248	3000.501	106.8861	7.940625	-5.73825	889.1019	3371.782
45248_5248	45248	5248	-3000.51	-106.886	1.358438	-4.71056	-889.102	-3371.78
45248_5249	45248	5249	3000.512	153.0953	-1.35844	4.710563	875.0739	2028.96
45249_5249	45249	5249	-3002	-205.568	49.89469	0.715313	-875.074	-2028.53
45249_5250	45249	5250	3001.996	250.8004	-49.8947	-0.71531	370.545	-278.856
45250_5250	45250	5250	-3001.86	-250.8	57.69356	1.439813	-370.545	278.8538
45250_5251	45250	5251	3001.856	293.349	-57.6936	-1.43981	-178.224	-2866.76
45251_5251	45251	5251	-2998.61	-368.977	-34.9112	-50.3934	178.2244	2864.925
45251_5252	45251	5252	2998.607	396.0298	34.91119	50.39344	32.91094	-5178.25
45252_5252	45252	5252	-2998.66	-396.03	-30.2531	-42.3504	-32.9109	5178.327
45252_5253	45252	5253	2998.658	424.032	30.25313	42.35044	222.2903	-7745.03
45253_5253	45253	5253	-2998.73	-424.032	-22.4858	-22.2889	-222.29	7745.119
45253_5254	45253	5254	2998.727	467.1529	22.48575	22.28888	435.8537	-12097
45254_5254	45254	5254	191.3848	727.6959	-104.354	311.1596	-326.176	34618.48
45254_5255	45254	5255	-189.591	-713.682	104.3543	-311.16	608.6181	-32648.4
45255_5255	45255	5255	165.8908	647.8303	54.76669	-37.6832	-563.448	32640.96
45255_5256	45255	5256	-158.864	-584.439	-54.7667	37.68319	-126.851	-25046.3
45256_5256	45256	5256	145.2098	588.0144	54.4005	54.95831	117.6066	25046.27
45256_5257	45256	5257	-141.363	-543.781	-54.4005	-54.9583	-614.681	-19773.1
45257_5257	45257	5257	128.5751	473.3597	-27.5349	-46.8405	621.915	19770.91
45257_5258	45257	5258	-126.419	-442.524	27.53494	46.8405	-442.534	-16892.2
45258_5258	45258	5258	119.5858	444.4046	-27.7607	-14.6541	439.6416	16892.3
45258_5259	45258	5259	-117.691	-409.709	27.76069	14.65406	-232.891	-13748.9
45259_5259	45259	5259	110.5151	411.6827	-28.0442	20.7165	231.1339	13748.94
45259_5260	45259	5260	-109.388	-381.477	28.04419	-20.7165	-15.5873	-10579.1
45260_5260	45260	5260	158.9175	353.1846	2.539688	25.10944	-19.7859	-5105.04
45260_5261	45260	5261	-158.377	-329.306	-2.53969	-25.1094	4.7775	7202.689
45261_5261	45261	5261	153.9392	331.4076	1.995	0.21525	-4.20919	-7202.74
45261_5262	45261	5262	-153.703	-305.609	-1.995	-0.21525	-8.57325	8965.892
45262_5262	45262	5262	150.8955	307.0056	1.82175	-9.69281	8.574563	-9004.13
45262_5263	45262	5263	-150.896	-258.675	-1.82175	9.692813	-30.786	12451.32
45263_5263	45263	5263	150.9008	181.6802	1.68525	22.155	30.786	-12450.8
45263_5264	45263	5264	-150.901	-136.4	-1.68525	-22.155	-50.0286	14266.82
45264_5264	45264	5264	150.9047	136.4003	1.252125	-18.8252	50.02856	-14266.8
45264_5265	45264	5265	-150.905	-90.2646	-1.25213	18.82519	-64.5921	15585.4
45265_5265	45265	5265	150.9086	17.65706	1.140563	31.584	64.59206	-15585.5
45265_5266	45265	5266	-150.909	28.57838	-1.14056	-31.584	-77.8877	15521.79
45266_5266	45266	5266	150.9126	-28.5784	0.543375	-29.8778	77.88769	-15521.8
45266_5267	45266	5267	-150.913	73.75725	-0.54338	29.87775	-84.0722	14938.83
45267_5267	45267	5267	150.9309	-147.323	1.995	31.50131	84.07219	-14939.6

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45267_5268	45267	5268	-150.931	193.0779	-1.995	-31.5013	-107.099	12975.71
45268_5268	45268	5268	150.9388	-193.078	1.274438	-30.5314	107.0987	-12975.7
45268_5269	45268	5269	-150.939	238.7044	-1.27444	30.53138	-121.758	10491.66
45269_5269	45269	5269	150.9231	-309.472	-0.04463	14.94413	121.758	-10492.7
45269_5270	45269	5270	-150.923	344.6113	0.044625	-14.9441	-121.362	7594.598
45270_5270	45270	5270	150.9231	-344.611	-0.48169	-7.02319	121.3616	-7594.61
45270_5271	45270	5271	-150.923	379.6052	0.481687	7.023188	-117.114	4619.031
45271_5271	45271	5271	154.35	-378.224	-0.82294	-17.8264	116.9582	-4578.84
45271_5272	45271	5272	-154.598	405.6176	0.822938	17.82638	-111.691	1944.694
45272_5272	45272	5272	162.6778	-478.37	13.76419	-4.34306	111.7764	-1945.99
45272_5273	45272	5273	-163.4	508.5898	-13.7642	4.343063	-208.567	-1697.74
45273_5273	45273	5273	170.9348	-506.116	13.46231	-4.20525	208.6035	1697.736
45273_5274	45273	5274	-172.032	534.4894	-13.4623	4.20525	-296.804	-5276.9
45274_5274	45274	5274	182.1409	-531.139	13.083	1.544813	297.3259	5291.803
45274_5275	45274	5275	-185.324	586.3633	-13.083	-1.54481	-443.372	-11614.4
45275_5275	45275	5275	204.0964	-669.036	-51.2728	-41.4868	440.6378	11616.14
45275_5276	45275	5276	-208.145	719.1936	51.27281	41.48681	65.16825	-18486.4
45276_5276	45276	5276	222.9885	-714.686	-51.8858	33.69844	-58.5034	18486.41
45276_5277	45276	5277	-228.114	764.9762	51.88575	-33.6984	555.2859	-25710.2
45277_5277	45277	5277	202.7222	-1013.11	99.55838	-94.8439	-1414.26	53324.53
45277_5278	45277	5278	-207.859	1055.586	-99.5584	94.84388	641.6996	-60304.4
45278_5278	45278	5278	-4497.56	560.2905	49.50094	13.89938	-250.564	19688.74
45278_5279	45278	5279	4497.558	-514.406	-49.5009	-13.8994	-219.236	-14588.9
45279_5279	45279	5279	-4497.39	514.4055	62.93438	62.99606	219.2361	14983.44
45279_5280	45279	5280	4497.39	-484.895	-62.9344	-62.9961	-630.402	-11719.1
45280_5280	45280	5280	-4499.63	399.3347	-77.4808	-11.7968	630.4016	11720.34
45280_5281	45280	5281	4499.628	-346.654	77.48081	11.79675	273.2454	-7370.19
45281_5281	45281	5281	-4499.81	346.6536	-65.7169	7.473375	-273.245	7370.199
45281_5282	45281	5282	4499.814	-290.602	65.71688	-7.47338	1088.752	-3416.21
45282_5282	45282	5282	-4499.26	199.6549	4.398188	-2.62631	-1088.75	3416.255
45282_5283	45282	5283	4499.263	-152.048	-4.39819	2.626313	1034.263	-1237.68
45283_5283	45283	5283	-4499.23	152.0479	18.38288	1.220625	-1034.26	1237.682
45283_5284	45283	5284	4499.228	-107.149	-18.3829	-1.22063	819.4817	276.5333
45284_5284	45284	5284	-4499.42	-28.8894	17.26725	-0.62213	-819.482	-276.574
45284_5285	45284	5285	4499.417	72.219	-17.2673	0.622125	624.7802	-293.444
45285_5285	45285	5285	-4499.36	-72.219	28.01138	0.07875	-624.78	293.4448
45285_5286	45285	5286	4499.362	110.9115	-28.0114	-0.07875	342.7292	-1215.41
45286_5286	45286	5286	-4499.29	-227.175	48.93919	-5.83144	-342.729	1215.523
45286_5287	45286	5287	4499.293	271.0221	-48.9392	5.831438	-215.681	-4057.78
45287_5287	45287	5287	-4499.1	-271.022	64.44506	8.15325	215.6805	4057.78
45287_5288	45287	5288	4499.098	315.0958	-64.4451	-8.15325	-954.799	-7418.84
45288_5288	45288	5288	-4501	-323.74	-42.1155	-29.6166	954.7991	7419.847
45288_5289	45288	5289	4501.002	339.1067	42.1155	29.61656	-786.386	-8745.15
45289_5289	45289	5289	-4501.06	-339.107	-35.7302	-14.0726	786.3857	8350.213
45289_5290	45289	5290	4501.057	378.6326	35.73019	14.07263	-446.957	-11877
45290_5290	45290	5290	196.7595	1296.935	-31.2611	15.91669	142.0453	48563.67
45290_5291	45290	5291	-191.296	-1247.2	31.26113	-15.9167	184.4798	-35494.2
45291_5291	45291	5291	148.1288	1133.618	2.413688	-45.1658	-178.532	35497.18
45291_5292	45291	5292	-144.039	-1084.02	-2.41369	45.16575	152.3353	-23222.2
45292_5292	45292	5292	115.3058	1087.452	2.207625	44.72869	-158.27	23222.17
45292_5293	45292	5293	-112.899	-1044.34	-2.20763	-44.7287	136.7966	-12771.2
45293_5293	45293	5293	86.50425	927.6133	4.684313	-12.705	-133.732	12772.74
45293_5294	45293	5294	-85.4109	-895.83	-4.68431	12.705	99.5505	-6035.87
45294_5294	45294	5294	66.99263	897.3956	4.550438	3.917813	-99.9915	6030.215
45294_5295	45294	5295	-66.5936	-868.563	-4.55044	-3.91781	65.24963	1077.891
45295_5295	45295	5295	54.97406	869.3764	4.416563	2.345438	-65.1906	-1077.9
45295_5296	45295	5296	-54.9596	-838.476	-4.41656	-2.34544	28.96819	8641.26
45296_5296	45296	5296	40.90406	764.7268	1.950375	17.1885	8.33175	-3096.02

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45296_5297	45296	5297	-40.9041	-749.165	-1.95038	-17.1885	-16.4246	6007.097
45297_5297	45297	5297	40.90669	749.1645	1.903125	10.15481	16.42463	-6007.11
45297_5298	45297	5298	-40.9067	-708.915	-1.90313	-10.1548	-34.0489	12760.16
45298_5298	45298	5298	40.91063	708.9154	1.804688	-20.2059	34.04888	-12760.2
45298_5299	45298	5299	-40.9106	-669.092	-1.80469	20.20594	-50.5956	19075.13
45299_5299	45299	5299	40.89356	563.7043	-0.36619	53.86631	50.59556	-19076.7
45299_5300	45299	5300	-40.8936	-513.016	0.366188	-53.8663	-46.3299	25357.06
45300_5300	45300	5300	40.89225	513.0156	-0.52369	-44.4609	46.32994	-25357.1
45300_5301	45300	5301	-40.8923	-459.158	0.523688	44.46094	-39.8331	31382.15
45301_5301	45301	5301	40.887	353.535	-0.98569	69.22388	39.83306	-31384.7
45301_5302	45301	5302	-40.887	-299.186	0.985688	-69.2239	-27.4969	35466.94
45302_5302	45302	5302	40.88306	299.1857	-1.14319	-67.0871	27.49688	-35466.9
45302_5303	45302	5303	-40.8831	-249.031	1.143188	67.08713	-14.301	38630.88
45303_5303	45303	5303	40.91325	143.1491	1.582875	84.03938	14.301	-38633.6
45303_5304	45303	5304	-40.9133	-86.6093	-1.58288	-84.0394	-34.8954	40128.48
45304_5304	45304	5304	40.91981	86.60925	1.405688	-90.1517	34.89544	-40128.5
45304_5305	45304	5305	-40.9198	-38.6072	-1.40569	90.15169	-50.4184	40820.14
45305_5305	45305	5305	40.89356	-67.2381	-1.22063	68.17519	50.41838	-40823.1
45305_5306	45305	5306	-40.8936	119.6239	1.220625	-68.1752	-35.7079	39696.68
45306_5306	45306	5306	40.88963	-119.624	-1.35319	-60.9026	35.70788	-39696.7
45306_5307	45306	5307	-40.8896	171.6947	1.353188	60.90263	-19.4919	37951.12
45307_5307	45307	5307	40.92244	-277.98	2.290313	71.67825	19.49194	-37953.8
45307_5308	45307	5308	-40.9224	329.6094	-2.29031	-71.6783	-46.7093	34344
45308_5308	45308	5308	40.93031	-329.609	2.128875	-64.2928	46.70925	-34344
45308_5309	45308	5309	-40.9303	382.5058	-2.12888	64.29281	-72.6219	30009.39
45309_5309	45309	5309	40.87913	-478.954	-3.11194	46.37588	72.62194	-30011.2
45309_5310	45309	5310	-40.8791	531.3039	3.111938	-46.3759	-35.133	23925.24
45310_5310	45310	5310	40.86731	-531.304	-3.26288	-42.3032	35.133	-23925.2
45310_5311	45310	5311	-40.8673	583.4378	3.262875	42.30319	4.017563	17237.81
45311_5311	45311	5311	40.89619	-693.646	0.259875	16.55456	-4.01756	-17238.7
45311_5312	45311	5312	-40.8962	748.3967	-0.25988	-16.5546	0.736313	8153.355
45312_5312	45312	5312	40.8975	-748.397	0.06825	-21.7875	-0.73631	-8153.34
45312_5313	45312	5313	-40.8975	795.459	-0.06825	21.7875	0	-207.433

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1	2	3	4	5	6	7	8	9
5000_5000	5000	5000	5.9787	180.4383	1.041075	0.480375	0	18.0621
5000_5001	5000	5001	175.8503	-168.223	-1.04108	-0.48038	-13.2521	1359.986
5001_5001	5001	5001	-175.844	168.2226	1.041075	0.07245	13.25205	-1359.99
5001_5002	5001	5002	308.333	-158.73	-1.04108	-0.07245	-23.5384	2364.092
5002_5002	5002	5002	-308.388	132.9647	-1.0836	0.7497	23.53838	-2364.12
5002_5003	5002	5003	434.9646	-121.305	1.0836	-0.7497	-10.3871	3323.425
5003_5003	5003	5003	-434.972	121.3049	-1.0836	-0.3843	10.38713	-3323.43
5003_5004	5003	5004	549.8278	-109.655	1.0836	0.3843	2.767275	4193.886
5004_5004	5004	5004	-549.806	86.74155	0.1827	0.483525	-2.76728	-4193.95
5004_5005	5004	5005	630.3292	-75.085	-0.1827	-0.48353	0.540225	4804.224
5005_5005	5005	5005	-630.329	75.08498	0.1827	-0.504	-0.54023	-4804.22
5005_5006	5005	5006	699.2969	-63.4205	-0.1827	0.504	-1.67895	5326.922
5006_5006	5006	5006	-699.311	38.48985	-0.01575	0.971775	1.67895	-5326.99
5006_5007	5006	5007	731.8096	-26.8364	0.01575	-0.97178	-1.4931	5573.289
5007_5007	5007	5007	-731.81	26.83643	-0.01733	-1.0647	1.4931	-5573.29
5007_5008	5007	5008	752.7098	-15.1846	0.017325	1.0647	-1.2915	5731.686
5008_5008	5008	5008	-752.713	-9.26415	0.08505	0.9198	1.2915	-5731.75
5008_5009	5008	5009	737.6891	20.92388	-0.08505	-0.9198	-2.3184	5617.874
5009_5009	5009	5009	-737.687	-20.9239	0.083475	-1.13243	2.3184	-5617.87
5009_5010	5009	5010	711.0621	32.58045	-0.08348	1.132425	-3.33113	5416.082
5010_5010	5010	5010	-711.075	-57.2009	0.03465	-0.1638	3.331125	-5416.18
5010_5011	5010	5011	648.3566	68.85585	-0.03465	0.1638	-3.7548	4940.849
5011_5011	5011	5011	-648.357	-68.8559	0.03465	-0.1638	3.7548	-4940.85
5011_5012	5011	5012	574.0403	80.51085	-0.03465	0.1638	-4.17848	4377.621
5012_5012	5012	5012	-574.056	-104.687	-0.16223	0.092925	4.178475	-4377.69
5012_5013	5012	5013	464.0234	116.3468	0.162225	-0.09293	-2.2176	3543.786
5013_5013	5013	5013	-464.025	-116.347	-0.16223	-0.4788	2.2176	-3543.79
5013_5014	5013	5014	342.4995	127.9971	0.162225	0.4788	-0.25043	2622.773
5014_5014	5014	5014	-342.485	-151.482	0.442575	-0.06615	0.250425	-2622.8
5014_5015	5014	5015	131.6795	166.9878	-0.44258	0.06615	-7.38833	1025.142
5015_5015	5015	5015	-142.26	-166.186	0.3024	-0.25988	5.044725	-1047.52
5015_5016	5015	5016	15.63188	174.0643	-0.3024	0.266175	-7.5348	150.8756
5016_5016	5016	5016	-12.1149	-198.304	-0.19215	-0.18428	7.5348	-150.861
5016_5017	5016	5017	-181.097	209.4215	0.19215	0.16695	-5.26995	-1486.46
5017_5017	5017	5017	184.4924	-208.547	-0.19373	-0.15278	5.27625	1493.506
5017_5018	5017	5018	-346.823	221.9207	0.193725	0.124425	-2.709	-3455.93
5018_5018	5018	5018	353.4395	-244.98	0.023625	-0.4851	2.6712	3455.908
5018_5019	5018	5019	-460.409	258.3551	-0.02363	0.48825	-2.95943	-5716.43
5019_5019	5019	5019	465.9842	-256.883	0.02205	0.162225	3.04605	5716.43
5019_5020	5019	5020	-516.844	270.8811	-0.02205	-0.1575	-3.32955	-8248.48
5020_5020	5020	5020	-439.961	92.34068	-0.56385	-0.15593	12.44093	1734.766
5020_5021	5020	5021	514.562	-83.4325	0.56385	0.155925	-7.08278	-1164.58
5021_5021	5021	5021	-478.928	83.14583	-0.42998	-0.02993	5.57235	990.8971
5021_5022	5021	5022	536.5616	-75.8945	0.429975	0.029925	-2.23493	-604.707
5022_5022	5022	5022	-536.565	75.89453	-0.33233	0.036225	2.234925	604.7055
5022_5023	5022	5023	588.8736	-68.6543	0.332325	-0.03623	0.34335	-254.203
5023_5023	5023	5023	-588.881	46.76333	-0.13388	-0.04253	-0.34335	254.2003
5023_5024	5023	5024	621.0619	-39.2789	0.133875	0.042525	1.415925	-38.5718
5024_5024	5024	5024	-621.06	39.27893	-0.25043	-0.04725	-1.41593	38.57175
5024_5025	5024	5025	647.6164	-31.804	0.250425	0.04725	3.422475	139.3718
5025_5025	5025	5025	-647.62	31.80398	-0.02835	-0.0819	-3.42248	-139.37

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5025_5026	5025	5026	668.608	-24.3212	0.02835	0.0819	3.6477	280.0082
5026_5026	5026	5026	-668.613	0.732375	-0.1134	-0.04883	-3.6477	-280.011
5026_5027	5026	5027	667.4504	4.87935	0.1134	0.048825	4.332825	272.2167
5027_5027	5027	5027	-667.45	-4.87935	-0.12915	-0.04568	-4.33283	-272.217
5027_5028	5027	5028	663.149	10.48163	0.12915	0.045675	5.103	243.3974
5028_5028	5028	5028	-663.149	-10.4816	-0.1134	-0.04883	-5.103	-243.397
5028_5029	5028	5029	655.6961	16.09335	0.1134	0.048825	5.788125	193.4557
5029_5029	5029	5029	-655.696	-16.0934	0.026775	-0.07875	-5.78813	-193.456
5029_5030	5029	5030	645.098	21.7035	-0.02678	0.07875	5.6259	122.4374
5030_5030	5030	5030	-645.104	-45.0041	-0.04883	-0.06143	-5.6259	-122.45
5030_5031	5030	5031	608.6572	52.48373	0.048825	0.061425	6.0102	-121.77
5031_5031	5031	5031	-608.657	-52.4837	0.058275	-0.04725	-6.0102	121.7696
5031_5032	5031	5032	566.6236	59.9634	-0.05828	0.04725	5.548725	-403.432
5032_5032	5032	5032	-566.624	-59.9634	0.058275	-0.04725	-5.54873	403.4315
5032_5033	5032	5033	518.9972	67.44308	-0.05828	0.04725	5.08725	-722.561
5033_5033	5033	5033	-518.992	-89.9152	0.196875	-0.12443	-5.08725	722.5832
5033_5034	5033	5034	451.2706	97.1586	-0.19688	0.124425	3.564225	-1176.37
5034_5034	5034	5034	-451.271	-97.1586	0.196875	-0.12443	-3.56423	1176.366
5034_5035	5034	5035	378.3056	104.402	-0.19688	0.124425	2.039625	-1665.29
5035_5035	5035	5035	-420.772	-104.802	0.370125	0.111825	-2.6775	1872.48
5035_5036	5035	5036	328.7214	113.6945	-0.37013	-0.11183	-0.82845	-2564.77
5036_5036	5036	5036	593.9876	231.5565	0.12285	-1.2852	-2.47275	9359.429
5036_5037	5036	5037	-585.765	-217.257	-0.12285	1.26315	0.933975	-7202.42
5037_5037	5037	5037	581.0002	219.2668	0.11655	1.059975	-1.21118	7202.418
5037_5038	5037	5038	-530.375	-205.504	-0.11655	-1.08045	-0.24413	-5172.85
5038_5038	5038	5038	524.6042	183.13	-0.12758	-0.37328	0.38745	5173.083
5038_5039	5038	5039	-433.78	-169.413	0.127575	0.3906	1.299375	-3497.61
5039_5039	5039	5039	432.8069	171.5821	-0.1323	0.351225	-1.34505	3481.636
5039_5040	5039	5040	-300.655	-160.417	0.1323	-0.3402	2.89485	-2169.77
5040_5040	5040	5040	297.79	137.0408	0.1449	-0.0567	-2.87438	2169.889
5040_5041	5040	5041	-205.823	-129.388	-0.1449	0.05355	1.677375	-1446.11
5041_5041	5041	5041	223.1019	129.0476	0.067725	0.026775	-0.79065	1349.365
5041_5042	5041	5042	-32.571	-114.625	-0.06773	-0.02678	-0.27248	-107.423
5042_5042	5042	5042	32.5647	91.06493	-0.03623	0.01575	0.272475	107.4245
5042_5043	5042	5043	68.9598	-80.125	0.036225	-0.01575	0.162225	507.3107
5043_5043	5043	5043	-68.9598	80.12498	-0.03623	0.01575	-0.16223	-507.311
5043_5044	5043	5044	157.5095	-69.1866	0.036225	-0.01575	0.59535	1043.478
5044_5044	5044	5044	-157.509	45.8829	0.0126	0.007875	-0.59535	-1043.49
5044_5045	5044	5045	205.4698	-34.9367	-0.0126	-0.00788	0.441	1333.894
5045_5045	5045	5045	-205.47	34.93665	0.0126	0.01575	-0.441	-1333.89
5045_5046	5045	5046	240.4143	-23.9999	-0.0126	-0.01575	0.285075	1545.486
5046_5046	5046	5046	-240.419	0.533925	-0.00158	0.118125	-0.28508	-1545.51
5046_5047	5046	5047	234.56	10.41075	0.001575	-0.11813	0.294525	1510.028
5047_5047	5047	5047	-234.56	-10.4108	-0.00315	-0.08978	-0.29453	-1510.03
5047_5048	5047	5048	215.7372	21.3444	0.00315	0.089775	0.329175	1396.055
5048_5048	5048	5048	-215.74	-44.5268	-0.02363	0.09135	-0.32918	-1396.08
5048_5049	5048	5049	156.4211	55.46993	0.023625	-0.09135	0.609525	1036.895
5049_5049	5049	5049	-156.423	-55.4699	-0.0252	-0.05828	-0.60953	-1036.89
5049_5050	5049	5050	84.1302	66.41145	0.0252	0.058275	0.915075	599.171
5050_5050	5050	5050	-84.1223	-88.8426	0.0756	-0.00945	-0.91508	-599.179
5050_5051	5050	5051	-65.9327	103.2507	-0.0756	0.00945	-0.26933	-355.809
5051_5051	5051	5051	64.7766	-103.289	0.086625	0.0441	0.316575	367.3686

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5051_5052	5051	5052	-145.535	110.8721	-0.08663	-0.04253	-1.0269	-925.587
5052_5052	5052	5052	147.9524	-134.481	-0.02678	-0.18585	1.0206	925.5808
5052_5053	5052	5053	-276.479	145.3111	0.026775	0.1827	-0.71348	-1988.49
5053_5053	5053	5053	258.6827	-144.965	-0.03938	0.3402	1.003275	2100.694
5053_5054	5053	5054	-351.549	157.7646	0.039375	-0.34493	-0.47723	-3529.6
5054_5054	5054	5054	356.6336	-178.874	-0.02835	-0.7119	0.41265	3529.574
5054_5055	5054	5055	-418.359	191.5783	0.02835	0.707175	-0.04883	-5221.04
5055_5055	5055	5055	422.5363	-189.764	-0.03308	0.785925	0.165375	5221.037
5055_5056	5055	5056	-447.298	202.9403	0.033075	-0.79223	0.24255	-7132.37
5056_5056	5056	5056	-323.766	103.2602	-0.15593	0.063	1.551375	1832.468
5056_5057	5056	5057	404.6396	-94.6764	0.155925	-0.063	-0.07088	-1199.78
5057_5057	5057	5057	-401.014	94.6638	-0.16538	-0.0126	0.063	1174.4
5057_5058	5057	5058	461.9255	-87.6566	0.165375	0.0126	1.220625	-711.598
5058_5058	5058	5058	-461.927	87.65663	-0.08505	0.159075	-1.22063	711.596
5058_5059	5058	5059	518.153	-80.6526	0.08505	-0.15908	1.8774	-284.398
5059_5059	5059	5059	-518.155	59.39325	-0.1701	0.048825	-1.8774	284.3978
5059_5060	5059	5060	556.6727	-52.153	0.1701	-0.04883	3.2382	8.253
5060_5060	5060	5060	-556.674	52.15298	-0.0189	0.045675	-3.2382	-8.253
5060_5061	5060	5061	590.1462	-44.9222	0.0189	-0.04568	3.3894	262.5761
5061_5061	5061	5061	-590.146	44.92215	-0.0189	0.045675	-3.3894	-262.576
5061_5062	5061	5062	618.6332	-37.6913	0.0189	-0.04568	3.5406	479.0111
5062_5062	5062	5062	-618.635	15.12788	-0.0063	0.1323	-3.5406	-479.002
5062_5063	5062	5063	625.0592	-9.70043	0.0063	-0.1323	3.583125	527.8235
5063_5063	5063	5063	-625.059	9.700425	-0.01418	0.143325	-3.58313	-527.823
5063_5064	5063	5064	628.6723	-4.28243	0.014175	-0.14333	3.668175	555.2741
5064_5064	5064	5064	-628.672	4.282425	0.09765	-0.04095	-3.66818	-555.274
5064_5065	5064	5065	629.4834	1.145025	-0.09765	0.04095	3.08385	561.445
5065_5065	5065	5065	-629.483	-1.14503	0.09765	-0.04095	-3.08385	-561.445
5065_5066	5065	5066	627.4879	6.5709	-0.09765	0.04095	2.5011	546.2746
5066_5066	5066	5066	-627.489	-29.1989	0.07875	0.058275	-2.5011	-546.248
5066_5067	5066	5067	604.8662	36.4266	-0.07875	-0.05828	1.872675	374.3602
5067_5067	5067	5067	-604.866	-36.4266	0.07875	0.058275	-1.87268	-374.36
5067_5068	5067	5068	577.2596	43.65585	-0.07875	-0.05828	1.242675	164.6033
5068_5068	5068	5068	-577.258	-43.6559	0.162225	0.017325	-1.24268	-164.603
5068_5069	5068	5069	544.6271	50.89298	-0.16223	-0.01733	-0.05198	-83.3317
5069_5069	5069	5069	-544.619	-72.209	0.1638	-0.11813	0.051975	83.35215
5069_5070	5069	5070	494.0618	79.2099	-0.1638	0.118125	-1.31985	-467.485
5070_5070	5070	5070	-494.059	-79.2099	0.24885	0.001575	1.31985	467.4868
5070_5071	5070	5071	438.7556	86.22023	-0.24885	-0.00158	-3.25238	-887.673
5071_5071	5071	5071	-445.579	-86.2895	0.33705	0.130725	3.8178	929.4264
5071_5072	5071	5072	372.1993	94.88115	-0.33705	-0.13073	-7.0119	-1509.76
5072_5072	5072	5072	434.4732	212.0486	0.017325	-0.54653	2.994075	6817.749
5072_5073	5072	5073	-399.286	-198.96	-0.01733	0.543375	-3.20828	-4831.65
5073_5073	5073	5073	394.9076	201.0787	0.011025	0.79695	3.098025	4831.655
5073_5074	5073	5074	-319.698	-188.469	-0.01103	-0.79853	-3.24293	-3031.92
5074_5074	5074	5074	314.3448	166.8161	-0.0441	-0.1449	3.296475	3032.035
5074_5075	5074	5075	-205.196	-154.084	0.0441	0.1512	-2.70743	-1555.27
5075_5075	5075	5075	216.6192	154.5941	-0.0378	0.218925	1.964025	1476.056
5075_5076	5075	5076	-72.954	-144.353	0.0378	-0.2142	-1.52145	-320.302
5076_5076	5076	5076	70.41983	123.1256	0.026775	0.063	1.526175	320.3198
5076_5077	5076	5077	21.10973	-115.928	-0.02678	-0.06458	-1.74353	306.2052
5077_5077	5077	5077	-18.6732	116.8666	0.033075	0.014175	2.50425	-317.633

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5077_5078	5077	5078	155.3281	-104.312	-0.03308	-0.01418	-2.98148	1308.291
5078_5078	5078	5078	-155.331	84.27353	-0.0441	0.313425	2.981475	-1308.31
5078_5079	5078	5079	232.4322	-74.3999	0.0441	-0.31343	-2.4885	1867.238
5079_5079	5079	5079	-232.432	74.39985	-0.0504	-0.28193	2.4885	-1867.24
5079_5080	5079	5080	299.932	-64.5278	0.0504	0.281925	-1.92308	2356.565
5080_5080	5080	5080	-299.934	44.15355	-0.00945	0.43155	1.923075	-2356.59
5080_5081	5080	5081	338.0423	-34.2815	0.00945	-0.43155	-1.81913	2632.847
5081_5081	5081	5081	-338.042	34.28145	-0.01575	-0.40793	1.819125	-2632.85
5081_5082	5081	5082	366.5561	-24.4094	0.01575	0.407925	-1.64273	2839.547
5082_5082	5082	5082	-366.564	3.10905	-0.0189	-0.0063	1.642725	-2839.61
5082_5083	5082	5083	364.277	7.492275	0.0189	0.0063	-1.41278	2823.025
5083_5083	5083	5083	-364.277	-7.49228	-0.0189	-0.0252	1.412775	-2823.03
5083_5084	5083	5084	350.91	18.10305	0.0189	0.0252	-1.17968	2726.125
5084_5084	5084	5084	-350.915	-39.4065	-0.01418	0.34335	1.179675	-2726.17
5084_5085	5084	5085	307.8385	49.27703	0.014175	-0.34335	-1.0269	2413.886
5085_5085	5085	5085	-307.838	-49.277	-0.02048	-0.42683	1.0269	-2413.89
5085_5086	5085	5086	255.1768	59.14598	0.020475	0.426825	-0.80168	2032.13
5086_5086	5086	5086	-255.178	-79.4036	-0.05828	0.19845	0.801675	-2032.14
5086_5087	5086	5087	173.2516	89.27258	0.058275	-0.19845	-0.1575	1438.221
5087_5087	5087	5087	-173.252	-89.2726	-0.06458	-0.26933	0.1575	-1438.22
5087_5088	5087	5088	81.65903	99.15098	0.064575	0.269325	0.5607	774.2338
5088_5088	5088	5088	-81.6575	-118.588	0.09135	-0.08505	-0.5607	-774.25
5088_5089	5088	5089	-66.5233	130.6683	-0.09135	0.08505	-0.69773	-323.95
5089_5089	5089	5089	67.64625	-130.316	0.07875	-0.04568	0.62685	344.9968
5089_5090	5089	5090	-158.91	137.581	-0.07875	0.04725	-1.27418	-1135.65
5090_5090	5090	5090	161.773	-158.533	-0.0693	-0.5166	1.261575	1135.639
5090_5091	5090	5091	-297.472	168.9833	0.0693	0.5103	-0.44258	-2404.65
5091_5091	5091	5091	297.5364	-167.243	-0.09608	0.326025	0.59535	2425.457
5091_5092	5091	5092	-400.699	179.5957	0.096075	-0.3402	0.68355	-4108.77
5092_5092	5092	5092	406.2697	-199.682	-0.01418	-0.4725	-0.74498	4108.739
5092_5093	5092	5093	-470.355	211.9934	0.014175	0.470925	0.92295	-6073.28
5093_5093	5093	5093	475.0027	-209.746	-0.01733	0.417375	-0.84263	6073.275
5093_5094	5093	5094	-498.339	222.5318	0.017325	-0.42053	1.063125	-8067.19
5094_5094	5094	5094	-353.543	93.14235	-0.1953	-0.16065	1.217475	2007.986
5094_5095	5094	5095	424.5539	-84.9744	0.1953	0.16065	0.631575	-1446.41
5095_5095	5095	5095	-427.48	85.23428	-0.18113	-0.05985	-0.72765	1460.79
5095_5096	5095	5096	478.4519	-78.5421	0.181125	0.05985	2.12625	-1029.71
5096_5096	5096	5096	-478.454	78.5421	-0.04725	0.1953	-2.12625	1029.713
5096_5097	5096	5097	525.1995	-71.861	0.04725	-0.1953	2.486925	-634.363
5097_5097	5097	5097	-525.218	51.4017	-0.00158	-0.04253	-2.48693	634.3391
5097_5098	5097	5098	556.0254	-44.4953	0.001575	0.042525	2.499525	-373.801
5098_5098	5098	5098	-556.025	44.49533	-0.00158	-0.04253	-2.49953	373.8011
5098_5099	5098	5099	582.3956	-37.589	0.001575	0.042525	2.512125	-150.789
5099_5099	5099	5099	-582.394	37.58895	0.12915	-0.0063	-2.51213	150.7889
5099_5100	5099	5100	604.3007	-30.692	-0.12915	0.0063	1.48365	34.4799
5100_5100	5100	5100	-604.301	8.95545	0.17325	-0.05513	-1.48365	-34.4783
5100_5101	5100	5101	607.3673	-3.77528	-0.17325	0.055125	0.441	60.41858
5101_5101	5101	5101	-607.366	3.775275	0.3528	-0.0756	-0.441	-60.417
5101_5102	5101	5102	607.9374	1.403325	-0.3528	0.0756	-1.67423	65.25068
5102_5102	5102	5102	-607.937	-1.40333	-0.36225	0.011025	1.674225	-65.2507
5102_5103	5102	5103	606.0112	6.5835	0.36225	-0.01103	0.499275	48.97305
5103_5103	5103	5103	-606.014	-6.5835	-0.189	-0.00473	-0.49928	-48.9731

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5103_5104	5103	5104	601.6028	11.7558	0.189	0.004725	1.633275	11.66288
5104_5104	5104	5104	-601.603	-33.5176	-0.08348	-0.0567	-1.63328	-11.6613
5104_5105	5104	5105	577.8486	40.42553	0.083475	0.0567	2.297925	-189.236
5105_5105	5105	5105	-577.849	-40.4255	0.04725	-0.01103	-2.29793	189.2363
5105_5106	5105	5106	549.6955	47.32245	-0.04725	0.011025	1.92465	-427.335
5106_5106	5106	5106	-549.695	-47.3225	0.0504	-0.00788	-1.92465	427.3353
5106_5107	5106	5107	517.0709	54.22883	-0.0504	0.007875	1.5183	-703.234
5107_5107	5107	5107	-517.068	-74.7999	0.130725	-0.1449	-1.5183	703.2485
5107_5108	5107	5108	468.4318	81.4905	-0.13073	0.1449	0.50085	-1114.58
5108_5108	5108	5108	-468.432	-81.4905	0.127575	-0.15278	-0.50085	1114.576
5108_5109	5108	5109	415.7024	88.17323	-0.12758	0.152775	-0.4851	-1560.52
5109_5109	5109	5109	-414.817	-87.9401	0.215775	0.16065	0.436275	1556.106
5109_5110	5109	5110	341.8018	96.1191	-0.21578	-0.16065	-2.49008	-2160.04
5110_5110	5110	5110	508.1423	217.276	-0.00315	-0.882	1.33245	8342.983
5110_5111	5110	5111	-490.619	-204.454	0.00315	0.882	-1.2915	-6244.25
5111_5111	5111	5111	486.0702	206.829	-0.01103	0.88515	1.122975	6244.249
5111_5112	5111	5112	-429.737	-194.464	0.011025	-0.88358	-0.98753	-4331.75
5112_5112	5112	5112	424.2357	174.5762	-0.00788	-0.21893	1.071	4331.849
5112_5113	5112	5113	-330.624	-162.162	0.007875	0.2205	-0.9576	-2750.57
5113_5113	5113	5113	331.1642	164.1008	-0.01103	0.363825	0.7371	2726.744
5113_5114	5113	5114	-203.616	-153.881	0.011025	-0.36383	-0.60165	-1409.88
5114_5114	5114	5114	200.8346	133.5474	-0.01103	0.033075	0.6111	1409.923
5114_5115	5114	5115	-113.735	-126.471	0.011025	-0.03308	-0.5229	-726.966
5115_5115	5115	5115	119.2259	126.2189	-0.00945	0.03465	0.4347	653.0046
5115_5116	5115	5116	40.84448	-114.082	0.00945	-0.03465	-0.2961	436.7034
5116_5116	5116	5116	-40.8461	94.61655	-0.00945	0.08505	0.2961	-436.703
5116_5117	5116	5117	135.0641	-85.0642	0.00945	-0.08505	-0.1953	1040.026
5117_5117	5117	5117	-135.064	85.06418	-0.0126	-0.03308	0.1953	-1040.03
5117_5118	5117	5118	219.2636	-75.5102	0.0126	0.033075	-0.063	1579.183
5118_5118	5118	5118	-219.264	56.11725	-0.00473	0.127575	0.063	-1579.18
5118_5119	5118	5119	273.105	-46.5649	0.004725	-0.12758	-0.01575	1923.951
5119_5119	5119	5119	-273.105	46.56488	-0.0063	-0.09135	0.01575	-1923.95
5119_5120	5119	5120	316.9278	-37.0125	0.0063	0.09135	0.061425	2204.564
5120_5120	5120	5120	-316.928	16.69343	-0.00315	0.379575	-0.06143	-2204.56
5120_5121	5120	5121	329.9578	-6.42443	0.00315	-0.37958	0.099225	2288.001
5121_5121	5121	5121	-329.959	6.424425	-0.01103	-0.34335	-0.09923	-2288
5121_5122	5121	5122	331.4178	3.835125	0.011025	0.34335	0.22995	2297.344
5122_5122	5122	5122	-331.418	-23.9589	-0.0063	0.127575	-0.22995	-2297.34
5122_5123	5122	5123	301.2849	33.51128	0.0063	-0.12758	0.294525	2104.397
5123_5123	5123	5123	-301.285	-33.5113	-0.00788	-0.11183	-0.29453	-2104.4
5123_5124	5123	5124	261.1366	43.06365	0.007875	0.111825	0.389025	1847.31
5124_5124	5124	5124	-261.133	-62.3228	-0.0063	0.16065	-0.38903	-1847.29
5124_5125	5124	5125	190.7735	71.87513	0.0063	-0.16065	0.4536	1396.746
5125_5125	5125	5125	-190.773	-71.8751	-0.01103	-0.1575	-0.4536	-1396.75
5125_5126	5125	5126	110.3965	81.4275	0.011025	0.1575	0.578025	882.0677
5126_5126	5126	5126	-110.393	-99.5778	0.0126	-0.01103	-0.57803	-882.06
5126_5127	5126	5127	-24.3842	111.2249	-0.0126	0.011025	0.4158	19.03703
5127_5127	5127	5127	25.54493	-110.505	0.007875	-0.00788	-0.3717	-13.0694
5127_5128	5127	5128	-114.717	117.4982	-0.00788	0.007875	0.313425	-565.88
5128_5128	5128	5128	117.1375	-137.855	0.017325	-0.15908	-0.31973	565.8629
5128_5129	5128	5129	-255.531	147.8421	-0.01733	0.16065	0.12285	-1739.34
5129_5129	5129	5129	240.2159	-147.229	0.0126	0.29295	-0.12915	1847.364

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5129_5130	5129	5130	-341.961	159.7932	-0.0126	-0.29138	-0.04725	-3277.31
5130_5130	5130	5130	346.9363	-178.614	-0.09765	-0.33075	0.00945	3277.294
5130_5131	5130	5131	-414.097	191.0869	0.09765	0.313425	1.2222	-4987.89
5131_5131	5131	5131	418.2507	-188.888	-0.1008	0.379575	-1.17023	4987.888
5131_5132	5131	5132	-446.851	201.8221	0.1008	-0.39848	2.439675	-6916.87
5132_5132	5132	5132	-320.793	96.53648	0.562275	0.31815	-5.55345	1698.611
5132_5133	5132	5133	397.6544	-88.1244	-0.56228	-0.31815	0.21735	-1079.45
5133_5133	5133	5133	-369.651	87.7716	0.584325	0.256725	-0.19688	942.9273
5133_5134	5133	5134	430.049	-80.9361	-0.58433	-0.25673	-4.32653	-530.773
5134_5134	5134	5134	-430.076	80.9361	-0.16065	-0.54653	4.326525	530.7577
5134_5135	5134	5135	485.6513	-74.0927	0.16065	0.546525	-3.07913	-151.509
5135_5135	5135	5135	-485.631	52.93418	-0.08663	-0.0315	3.079125	151.589
5135_5136	5135	5136	522.1503	-45.8782	0.086625	0.0315	-2.3814	97.61378
5136_5136	5136	5136	-522.15	45.87818	-0.01575	-0.04568	2.3814	-97.6138
5136_5137	5136	5137	553.4534	-38.8238	0.01575	0.045675	-2.2617	311.2247
5137_5137	5137	5137	-553.453	38.82375	-0.0882	0	2.2617	-311.226
5137_5138	5137	5138	579.5118	-31.7756	0.0882	0	-1.55768	489.0517
5138_5138	5138	5138	-579.518	8.74125	-0.07088	0.033075	1.557675	-489.083
5138_5139	5138	5139	582.8965	-3.44925	0.070875	-0.03308	-1.13558	512.1396
5139_5139	5139	5139	-582.896	3.44925	0.0252	-0.06615	1.135575	-512.14
5139_5140	5139	5140	583.3422	1.84275	-0.0252	0.06615	-1.28993	515.1778
5140_5140	5140	5140	-583.342	-1.84275	-0.07088	0.03465	1.289925	-515.178
5140_5141	5140	5141	580.8537	7.13475	0.070875	-0.03465	-0.86783	498.1977
5141_5141	5141	5141	-580.854	-7.13475	0.0252	-0.063	0.867825	-498.198
5141_5142	5141	5142	575.4326	12.42675	-0.0252	0.063	-1.02218	461.1994
5142_5142	5142	5142	-575.434	-34.8122	-0.05198	-0.01418	1.022175	-461.232
5142_5143	5142	5143	547.0952	41.86823	0.051975	0.014175	-0.60008	267.8477
5143_5143	5143	5143	-547.095	-41.8682	-0.05198	-0.01418	0.600075	-267.848
5143_5144	5143	5144	513.5414	48.92423	0.051975	0.014175	-0.17955	38.87415
5144_5144	5144	5144	-513.541	-48.9242	-0.05198	-0.01418	0.17955	-38.8742
5144_5145	5144	5145	474.7712	55.98023	0.051975	0.014175	0.24255	-225.688
5145_5145	5145	5145	-474.787	-77.1356	-0.00788	0.0504	-0.24255	225.6613
5145_5146	5145	5146	417.1073	83.97113	0.007875	-0.0504	0.3087	-619.265
5146_5146	5146	5146	-417.107	-83.9711	-0.00788	0.0504	-0.3087	619.2648
5146_5147	5146	5147	354.5341	90.80663	0.007875	-0.0504	0.37485	-1046.27
5147_5147	5147	5147	-378.936	-91.0964	-0.08348	-0.16853	-0.38588	1165.265
5147_5148	5147	5148	298.7129	99.5022	0.083475	0.168525	1.1781	-1749.78
5148_5148	5148	5148	464.3163	199.1572	0	-0.38903	-0.07718	6871.276
5148_5149	5148	5149	-439.564	-186.182	0	0.389025	0.080325	-5022.47
5149_5149	5149	5149	435.4796	188.4598	-0.00315	0.313425	-0.1323	5022.47
5149_5150	5149	5150	-372.803	-175.957	0.00315	-0.31343	0.168525	-3353.55
5150_5150	5150	5150	367.7924	155.3864	-0.00473	-0.06143	-0.1449	3353.562
5150_5151	5150	5151	-273.047	-142.808	0.004725	0.061425	0.21105	-1966.55
5151_5151	5151	5151	291.2396	143.5581	-0.00473	0.01575	-0.17325	1850.672
5151_5152	5151	5152	-159.429	-132.782	0.004725	-0.01575	0.228375	-825.032
5152_5152	5152	5152	157.0748	110.9005	0	0.001575	-0.2268	825.0291
5152_5153	5152	5153	-73.4312	-103.364	0	-0.00158	0.231525	-282.413
5153_5153	5153	5153	74.40773	103.4366	0	0.00315	-0.19058	273.2594
5153_5154	5153	5154	63.69143	-90.9137	0	-0.00315	0.1953	509.6117
5154_5154	5154	5154	-63.6914	70.27178	0.001575	0.007875	-0.1953	-509.612
5154_5155	5154	5155	137.9385	-60.2453	-0.00158	-0.00788	0.184275	930.5084
5155_5155	5155	5155	-137.939	60.24533	0.001575	0.007875	-0.18428	-930.508

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5155_5156	5155	5156	200.7779	-50.2189	-0.00158	-0.00788	0.17325	1286.742
5156_5156	5156	5156	-200.778	29.72025	0	0.00945	-0.17325	-1286.74
5156_5157	5156	5157	226.8252	-20.5963	0	-0.00945	0.181125	1434.404
5157_5157	5157	5157	-226.825	20.59628	0	0.011025	-0.18113	-1434.4
5157_5158	5157	5158	243.4147	-11.4833	0	-0.01103	0.189	1528.452
5158_5158	5158	5158	-243.413	-7.75215	-0.00158	-0.04095	-0.189	-1528.44
5158_5159	5158	5159	230.6651	16.87613	0.001575	0.04095	0.2079	1456.171
5159_5159	5159	5159	-230.665	-16.8761	0	0.0567	-0.2079	-1456.17
5159_5160	5159	5160	208.4702	25.99853	0	-0.0567	0.203175	1330.351
5160_5160	5160	5160	-208.472	-46.5617	0.004725	0.00945	-0.20318	-1330.36
5160_5161	5160	5161	149.7935	56.5866	-0.00473	-0.00945	0.1575	997.7168
5161_5161	5161	5161	-149.794	-56.5866	0.004725	0.00945	-0.1575	-997.717
5161_5162	5161	5162	79.70918	66.61305	-0.00473	-0.00945	0.11025	600.4121
5162_5162	5162	5162	-79.7092	-87.077	-0.01103	0.00315	-0.11025	-600.41
5162_5163	5162	5163	-52.9389	99.59985	0.011025	-0.00315	0.2583	-151.558
5163_5163	5163	5163	53.1405	-99.4219	-0.0126	0.01575	-0.27248	154.7249
5163_5164	5163	5164	-135.576	106.9346	0.0126	-0.01733	0.379575	-670.659
5164_5164	5164	5164	137.8472	-128.944	0.0126	0.077175	-0.378	670.6602
5164_5165	5164	5165	-270.064	139.6411	-0.0126	-0.07718	0.222075	-1653.84
5165_5165	5165	5165	262.5163	-138.339	0.017325	-0.1134	-0.25673	1711.37
5165_5166	5165	5166	-364.12	151.767	-0.01733	0.11655	0.02205	-3016.8
5166_5166	5166	5166	369.054	-173.549	0.001575	-0.24098	-0.03308	3016.804
5166_5167	5166	5167	-439.513	186.8927	-0.00158	0.240975	0.020475	-4618.51
5167_5167	5167	5167	443.4822	-184.606	-0.00158	0.252	0.017325	4618.514
5167_5168	5167	5168	-473.951	198.4957	0.001575	-0.252	-0.00473	-6409.43
5168_5168	5168	5168	-284.143	106.2605	-0.0252	-0.08033	0.111825	1584.118
5168_5169	5168	5169	375.3666	-97.2059	0.0252	0.080325	0.133875	-982.485
5169_5169	5169	5169	-349.696	96.91448	0.026775	0.055125	-0.1071	857.3497
5169_5170	5169	5170	420.3659	-89.5577	-0.02678	-0.05513	-0.09608	-418.342
5170_5170	5170	5170	-420.366	89.55765	-0.02205	-0.00158	0.096075	418.3421
5170_5171	5170	5171	485.541	-82.193	0.02205	0.001575	0.07245	-13.4647
5171_5171	5171	5171	-485.558	59.53815	0.036225	-0.02993	-0.07245	13.42845
5171_5172	5171	5172	529.2236	-51.9356	-0.03623	0.029925	-0.2205	257.8291
5172_5172	5172	5172	-529.224	51.93563	-0.01103	0.004725	0.2205	-257.829
5172_5173	5172	5173	566.9354	-44.3331	0.011025	-0.00473	-0.1386	492.0899
5173_5173	5173	5173	-566.935	44.3331	-0.01103	0.004725	0.1386	-492.09
5173_5174	5173	5174	598.689	-36.7306	0.011025	-0.00473	-0.05513	689.3492
5174_5174	5174	5174	-598.694	12.89138	0.04095	-0.07088	0.055125	-689.379
5174_5175	5174	5175	604.5937	-7.18988	-0.04095	0.070875	-0.30398	726.0278
5175_5175	5175	5175	-604.594	7.189875	-0.02205	0.0567	0.303975	-726.028
5175_5176	5175	5176	607.142	-1.48838	0.02205	-0.0567	-0.1764	741.866
5176_5176	5176	5176	-607.142	1.488375	0.04095	-0.07403	0.1764	-741.866
5176_5177	5176	5177	606.3419	4.2147	-0.04095	0.074025	-0.42525	736.889
5177_5177	5177	5177	-606.342	-4.2147	-0.02205	0.0567	0.42525	-736.889
5177_5178	5177	5178	602.1902	9.9162	0.02205	-0.0567	-0.29768	711.0999
5178_5178	5178	5178	-602.197	-33.8105	0.001575	0.004725	0.297675	-711.135
5178_5179	5178	5179	572.7299	41.41305	-0.00158	-0.00473	-0.31343	528.0896
5179_5179	5179	5179	-572.73	-41.4131	0.001575	0.004725	0.313425	-528.09
5179_5180	5179	5180	537.3081	49.01558	-0.00158	-0.00473	-0.3276	308.0432
5180_5180	5180	5180	-537.308	-49.0156	0.048825	-0.03623	0.3276	-308.043
5180_5181	5180	5181	495.9297	56.6181	-0.04883	0.036225	-0.71978	51.00008
5181_5181	5181	5181	-495.928	-79.0115	-0.02993	-0.00473	0.719775	-50.9985

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5181_5182	5181	5182	433.166	86.37773	0.029925	0.004725	-0.48195	-338.882
5182_5182	5182	5182	-433.166	-86.3777	0.017325	0.042525	0.48195	338.8817
5182_5183	5182	5183	364.8157	93.74243	-0.01733	-0.04253	-0.62213	-763.48
5183_5183	5183	5183	-383.944	-93.9078	-0.03308	-0.08033	0.700875	856.685
5183_5184	5183	5184	294.2998	102.953	0.033075	0.080325	-0.38588	-1461.93
5184_5184	5184	5184	477.8802	204.9894	-0.0063	0.25515	0.612675	6346.533
5184_5185	5184	5185	-439.256	-191.169	0.0063	-0.25515	-0.5418	-4528.89
5185_5185	5185	5185	435.1851	193.6494	-0.00315	-0.2583	0.574875	4528.894
5185_5186	5185	5186	-353.432	-180.423	0.00315	0.2583	-0.53078	-2871.67
5186_5186	5186	5186	348.3932	158.1253	-0.0126	0.036225	0.511875	2871.694
5186_5187	5186	5187	-232.968	-144.82	0.0126	-0.03465	-0.33863	-1536.11
5187_5187	5187	5187	238.1447	146.212	-0.01103	-0.04095	0.30555	1487.096
5187_5188	5187	5188	-93.3723	-134.833	0.011025	0.042525	-0.1827	-394.06
5188_5188	5188	5188	91.0161	111.2596	-0.0063	-0.00945	0.181125	394.0894
5188_5189	5188	5189	-3.08385	-103.23	0.0063	0.00945	-0.12915	163.8567
5189_5189	5189	5189	1.48995	103.8602	-0.0063	-0.00945	0.11655	-162.025
5189_5190	5189	5190	135.0011	-90.3562	0.0063	0.00945	-0.03623	971.6285
5190_5190	5190	5190	-135.003	67.83998	0	-0.0063	0.036225	-971.629
5190_5191	5190	5191	205.2115	-57.0371	0	0.0063	-0.02835	1388.076
5191_5191	5191	5191	-205.211	57.03705	0	-0.0063	0.02835	-1388.08
5191_5192	5191	5192	263.2739	-46.2341	0	0.0063	-0.02048	1732.473
5192_5192	5192	5192	-263.271	23.77935	-0.02678	0.001575	0.020475	-1732.47
5192_5193	5192	5193	282.5881	-13.9388	0.026775	-0.00158	0.25515	1847.053
5193_5193	5193	5193	-282.588	13.93875	-0.02678	0	-0.25515	-1847.05
5193_5194	5193	5194	291.8302	-4.0887	0.026775	0	0.5292	1901.872
5194_5194	5194	5194	-291.835	-17.1691	-0.00315	0	-0.5292	-1901.88
5194_5195	5194	5195	269.1817	27.01913	0.00315	0	0.562275	1767.519
5195_5195	5195	5195	-269.182	-27.0191	-0.00315	0	-0.56228	-1767.52
5195_5196	5195	5196	236.4311	36.86918	0.00315	0	0.59535	1573.25
5196_5196	5196	5196	-236.43	-59.4326	-0.00473	0	-0.59535	-1573.25
5196_5197	5196	5197	163.5275	70.23555	0.004725	0	0.644175	1140.823
5197_5197	5197	5197	-163.528	-70.2356	-0.00473	0	-0.64418	-1140.82
5197_5198	5197	5198	78.47753	81.03848	0.004725	0	0.693	636.3457
5198_5198	5198	5198	-78.4744	-103.627	-0.01418	-0.00158	-0.693	-636.347
5198_5199	5198	5199	-76.5482	117.1202	0.014175	0.001575	0.886725	-291.674
5199_5199	5199	5199	75.92918	-116.748	-0.01418	0.0063	-0.93398	277.434
5199_5200	5199	5200	-172.159	124.7825	0.014175	-0.00788	1.056825	-885.885
5200_5200	5200	5200	174.7935	-148.841	-0.00315	0.017325	-1.05683	885.8556
5200_5201	5200	5201	-326.297	160.1129	0.00315	-0.0189	1.09935	-2027.71
5201_5201	5201	5201	308.8874	-158.877	-0.00473	0.007875	-1.68998	2152.7
5201_5202	5201	5202	-420.988	173.1193	0.004725	-0.00788	1.752975	-3658.12
5202_5202	5202	5202	426.5352	-196.488	-0.02835	0.310275	-1.7325	3658.097
5202_5203	5202	5203	-503.616	210.6074	0.02835	-0.31658	2.080575	-5448.6
5203_5203	5203	5203	508.0604	-207.733	-0.0252	-0.20633	-2.13098	5448.6
5203_5204	5203	5204	-541.838	222.5176	0.0252	0.200025	2.4444	-7472.35
5204_5204	5204	5204	-304.97	114.6301	0.0252	0.07875	-2.45385	1913.898
5204_5205	5204	5205	400.1807	-104.829	-0.0252	-0.07875	2.22075	-1244.97
5205_5205	5205	5205	-377.792	104.5643	-0.0378	-0.07245	-1.9152	1087.722
5205_5206	5205	5206	451.3147	-96.5885	0.0378	0.07245	2.205	-602.288
5206_5206	5206	5206	-451.315	96.58845	0.0315	0.011025	-2.205	602.2879
5206_5207	5206	5207	519.005	-88.6127	-0.0315	-0.01103	1.954575	-155.356
5207_5207	5207	5207	-519.005	64.63328	-0.02678	0.0189	-1.95458	155.3564

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5207_5208	5207	5208	564.669	-56.4008	0.026775	-0.0189	2.16405	146.149
5208_5208	5208	5208	-564.669	56.40075	-0.02678	0.0189	-2.16405	-146.149
5208_5209	5208	5209	604.1212	-48.1667	0.026775	-0.0189	2.37195	406.6335
5209_5209	5209	5209	-604.121	48.16665	-0.02678	0.0189	-2.37195	-406.634
5209_5210	5209	5210	637.3616	-39.9326	0.026775	-0.0189	2.581425	626.0987
5210_5210	5210	5210	-637.368	14.60655	0.089775	-0.02835	-2.58143	-626.097
5210_5211	5210	5211	643.8868	-8.43255	-0.08978	0.02835	2.045925	669.1403
5211_5211	5211	5211	-643.888	8.43255	-0.00158	0.09135	-2.04593	-669.139
5211_5212	5211	5212	646.9124	-2.25698	0.001575	-0.09135	2.05065	689.1098
5212_5212	5212	5212	-646.912	2.256975	0.089775	-0.0315	-2.05065	-689.11
5212_5213	5212	5213	646.4414	3.9186	-0.08978	0.0315	1.516725	686.0054
5213_5213	5213	5213	-646.443	-3.9186	-0.00158	0.089775	-1.51673	-686.005
5213_5214	5213	5214	642.4772	10.09418	0.001575	-0.08978	1.52145	659.8258
5214_5214	5214	5214	-642.485	-35.2879	0.086625	0.0567	-1.52145	-659.797
5214_5215	5214	5215	612.7506	43.52198	-0.08663	-0.0567	0.833175	463.4768
5215_5215	5215	5215	-612.749	-43.522	0.152775	-0.00473	-0.83318	-463.477
5215_5216	5215	5216	576.8028	51.7545	-0.15278	0.004725	-0.39533	226.1385
5216_5216	5216	5216	-576.804	-51.7545	0.086625	0.0252	0.395325	-226.139
5216_5217	5216	5217	534.6448	59.9886	-0.08663	-0.0252	-1.0836	-52.2239
5217_5217	5217	5217	-534.613	-83.4073	-0.07718	-0.32445	1.0836	52.19708
5217_5218	5217	5218	470.8132	91.37363	0.077175	0.32445	-0.48038	-473.447
5218_5218	5218	5218	-470.813	-91.3736	-0.00788	-0.2583	0.480375	473.4497
5218_5219	5218	5219	401.1037	99.34943	0.007875	0.2583	-0.42368	-933.707
5219_5219	5219	5219	-414.436	-99.4644	0.3276	0.537075	0.429975	1048.893
5219_5220	5219	5220	322.2072	109.253	-0.3276	-0.53708	-3.5406	-1660.09
5220_5220	5220	5220	518.5625	224.3761	0.051975	-0.9639	0.618975	6998.407
5220_5221	5220	5221	-477.351	-209.733	-0.05198	0.9513	-1.27418	-5010.69
5221_5221	5221	5221	472.9174	212.1824	0.045675	1.236375	1.09935	5010.689
5221_5222	5221	5222	-386.781	-198.247	-0.04568	-1.2474	-1.67265	-3252.1
5222_5222	5222	5222	381.2288	173.6611	0.133875	-0.1827	1.765575	3252.18
5222_5223	5222	5223	-260.108	-159.588	-0.13388	0.1575	-3.54533	-1763.37
5223_5223	5223	5223	274.3036	160.3397	0.0819	0.3969	2.28375	1659.741
5223_5224	5223	5224	-116.928	-148.055	-0.0819	-0.40635	-3.2445	-578.327
5224_5224	5224	5224	114.2741	120.53	-0.06615	0.149625	3.252375	578.3549
5224_5225	5224	5225	-19.4009	-111.729	0.06615	-0.14805	-2.7027	3.96585
5225_5225	5225	5225	18.9945	112.466	-0.0756	0.155925	2.846025	-4.0761
5225_5226	5225	5226	135.8186	-95.7443	0.0756	-0.15593	-1.68053	992.5918
5226_5226	5226	5226	-135.822	68.03843	0.014175	0.4662	1.680525	-992.584
5226_5227	5226	5227	206.1581	-55.2022	-0.01418	-0.4662	-1.85063	1441.694
5227_5227	5227	5227	-206.158	55.20218	0.007875	-0.26775	1.850625	-1441.7
5227_5228	5227	5228	261.8485	-42.3659	-0.00788	0.26775	-1.94985	1797.296
5228_5228	5228	5228	-261.817	13.92615	-0.04883	0.52605	1.94985	-1797.15
5228_5229	5228	5229	270.3881	-1.08833	0.048825	-0.52605	-1.37498	1851.877
5229_5229	5229	5229	-270.391	1.088325	-0.05355	-0.41738	1.374975	-1851.88
5229_5230	5229	5230	264.3039	11.75108	0.05355	0.417375	-0.7308	1813.009
5230_5230	5230	5230	-264.296	-40.487	0.0441	0.222075	0.7308	-1812.72
5230_5231	5230	5231	209.0293	53.68545	-0.0441	-0.22208	-1.26788	1459.828
5231_5231	5231	5231	-209.026	-53.6855	0.039375	-0.35595	1.267875	-1459.83
5231_5232	5231	5232	138.2551	66.88553	-0.03938	0.35595	-1.74983	1007.94
5232_5232	5232	5232	-138.287	-96.5097	0.2457	-0.04253	1.749825	-1007.71
5232_5233	5232	5233	48.47535	106.4606	-0.2457	0.042525	-4.01153	451.6244
5233_5233	5233	5233	-47.4831	-106.427	0.382725	-0.13703	6.292125	-452.743

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5233_5234	5233	5234	-25.252	113.8221	-0.38273	0.1449	-8.93025	-32.9746
5234_5234	5234	5234	26.61593	-113.332	0.378	-0.2583	8.9271	32.97622
5234_5235	5234	5235	-108.621	121.5396	-0.378	0.281925	-11.8519	-621.383
5235_5235	5235	5235	110.8643	-144.486	-0.41738	-0.4662	11.84558	621.4031
5235_5236	5235	5236	-175.113	150.1117	0.417375	0.439425	-9.60435	-1141.92
5236_5236	5236	5236	158.7805	-151.176	-0.66938	-0.7749	15.13103	1244.351
5236_5237	5236	5237	-234.777	161.1367	0.669375	0.704025	-9.4689	-2141.81
5237_5237	5237	5237	236.8233	-159.875	-0.67568	-0.07875	9.50985	2141.805
5237_5238	5237	5238	-284.579	167.7879	0.675675	0.00945	-5.04473	-2924.71
5238_5238	5238	5238	289.1338	-199.179	-0.7119	-1.60335	4.9266	2923.883
5238_5239	5238	5239	-357.991	211.2107	0.7119	1.4742	2.0979	-4411.8
5239_5239	5239	5239	367.0963	-205.679	-0.71978	0.515025	-1.9278	4411.807
5239_5240	5239	5240	-396.328	219.607	0.719775	-0.71505	9.6012	-6105.03
5240_5240	5240	5240	-416.545	129.6272	-0.8064	-0.20003	10.82655	1481.875
5240_5241	5240	5241	540.6188	-115.325	0.8064	0.200025	-0.9261	-473.341
5241_5241	5241	5241	-531.005	115.1845	-0.3843	0.189	0.83475	426.8471
5241_5242	5241	5242	585.9362	-108.377	0.3843	-0.189	1.419075	7.83405
5242_5242	5242	5242	-585.938	108.3773	-0.3213	0.187425	-1.41908	-7.83405
5242_5243	5242	5243	641.7873	-100.987	0.3213	-0.18743	3.46185	449.7885
5243_5243	5243	5243	-641.609	74.95425	-0.54653	0.363825	-3.46185	-449.675
5243_5244	5243	5244	698.722	-63.5292	0.546525	-0.36383	8.827875	901.6166
5244_5244	5244	5244	-698.731	63.5292	-0.26775	-0.17483	-8.82788	-901.618
5244_5245	5244	5245	746.2555	-52.1467	0.26775	0.174825	11.45025	1277.686
5245_5245	5245	5245	-746.123	32.17883	-0.32603	0.61425	-11.4503	-1277.31
5245_5246	5245	5246	768.4992	-20.3884	0.326025	-0.61425	14.76405	1454.371
5246_5246	5246	5246	-768.504	20.38838	-0.04568	-0.2646	-14.7641	-1454.37
5246_5247	5246	5247	780.3432	-9.36338	0.045675	0.2646	15.19875	1548.064
5247_5247	5247	5247	-780.293	-13.7403	0.17955	0.587475	-15.1988	-1547.67
5247_5248	5247	5248	765.3602	24.5448	-0.17955	-0.58748	13.53398	1429.5
5248_5248	5248	5248	-765.354	-24.5448	0.436275	-0.2016	-13.534	-1429.5
5248_5249	5248	5249	738.8624	36.55575	-0.43628	0.2016	9.03105	1219.874
5249_5249	5249	5249	-738.932	-55.9141	1.07415	0.1386	-9.03105	-1219.67
5249_5250	5249	5250	686.4811	67.67145	-1.07415	-0.1386	-1.83015	804.6218
5250_5250	5250	5250	-686.461	-67.6715	1.289925	-0.23468	1.83015	-804.622
5250_5251	5250	5251	628.0139	78.7311	-1.28993	0.234675	-14.0931	342.1341
5251_5251	5251	5251	-627.319	-109.952	-1.70573	-2.13728	14.0931	-342.454
5251_5252	5251	5252	569.7169	116.9831	1.705725	2.137275	-3.77528	-113.372
5252_5252	5252	5252	-569.733	-116.983	-1.57815	-2.10578	3.775275	113.3906
5252_5253	5252	5253	506.3499	124.2628	1.57815	2.105775	6.10155	-614.94
5253_5253	5253	5253	-506.867	-124.193	-1.2852	-1.84118	-5.7519	617.3307
5253_5254	5253	5254	402.5936	135.2311	1.2852	1.841175	17.95658	-1432.19
5254_5254	5254	5254	418.5137	240.912	-3.35003	17.68253	-19.0622	6284.496
5254_5255	5254	5255	-407.769	-237.505	3.350025	-17.4762	28.10273	-5860.28
5255_5255	5255	5255	401.1399	211.5572	1.611225	-1.59863	-26.1781	5857.795
5255_5256	5255	5256	-345.386	-195.886	-1.61123	1.163925	5.914125	-3981.35
5256_5256	5256	5256	341.8601	197.8184	1.6002	1.764	-6.12518	3981.328
5256_5257	5256	5257	-277.083	-186.809	-1.6002	-2.03805	-8.47823	-2696.44
5257_5257	5257	5257	272.9144	151.819	-0.1701	-0.43785	8.63415	2696.121
5257_5258	5257	5258	-228.559	-144.075	0.1701	0.45675	-7.52378	-2019.3
5258_5258	5258	5258	226.8536	145.2119	-0.1764	0.237825	7.479675	2019.31
5258_5259	5258	5259	-165.243	-136.496	0.1764	-0.2205	-6.1614	-1295.97
5259_5259	5259	5259	182.4039	135.6894	-0.11655	0.370125	3.876075	1188.051

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5259_5260	5259	5260	-97.9099	-127.121	0.11655	-0.3591	-2.9799	-525.712
5260_5260	5260	5260	96.0498	101.0804	0.074025	0.209475	2.987775	525.6924
5260_5261	5260	5261	-42.5203	-93.9992	-0.07403	-0.21263	-3.42405	-153.766
5261_5261	5261	5261	41.58158	94.4559	0.067725	0.2142	3.425625	153.7591
5261_5262	5261	5262	15.02235	-86.7101	-0.06773	-0.21578	-3.85875	206.5471
5262_5262	5262	5262	-17.1974	86.6376	0.048825	0.174825	2.846025	-194.525
5262_5263	5262	5263	114.7844	-71.8295	-0.04883	-0.17483	-3.43508	745.1357
5263_5263	5263	5263	-114.772	40.5405	-0.0189	0.310275	3.435075	-745.09
5263_5264	5263	5264	153.5468	-26.6663	0.0189	-0.31028	-3.2193	963.8701
5264_5264	5264	5264	-153.548	26.66633	-0.02205	0.055125	3.2193	-963.876
5264_5265	5264	5265	176.5906	-12.5307	0.02205	-0.05513	-2.95628	1093.886
5265_5265	5265	5265	-176.591	-17.0462	-0.02205	0.285075	2.956275	-1093.87
5265_5266	5265	5266	148.1603	31.21335	0.02205	-0.28508	-2.69798	933.4537
5266_5266	5266	5266	-148.162	-31.2134	-0.02678	-0.0567	2.697975	-933.458
5266_5267	5266	5267	104.2571	45.05603	0.026775	0.0567	-2.38928	685.7298
5267_5267	5267	5267	-104.248	-74.4266	0.0504	-0.02678	2.389275	-685.722
5267_5268	5267	5268	9.28935	88.44728	-0.0504	0.026775	-2.96415	149.9416
5268_5268	5268	5268	-9.2862	-88.4473	0.0441	-0.09293	2.96415	-149.938
5268_5269	5268	5269	-101.68	102.427	-0.0441	0.092925	-3.46815	-476.173
5269_5269	5269	5269	101.6678	-131.988	-0.09293	-0.6174	3.46815	476.269
5269_5270	5269	5270	-224.682	142.7549	0.092925	0.6174	-2.64128	-1170.36
5270_5270	5270	5270	224.6801	-142.755	-0.09608	-0.30398	2.641275	1170.37
5270_5271	5270	5271	-356.767	153.4775	0.096075	0.303975	-1.78763	-2049.74
5271_5271	5271	5271	341.4947	-153.051	-0.13388	0.092925	2.4003	2231.362
5271_5272	5271	5272	-432.063	160.8091	0.133875	-0.0945	-1.54508	-2905.51
5272_5272	5272	5272	434.4622	-191.654	0.0882	-1.62383	1.50885	2905.6
5272_5273	5272	5273	-544.569	200.1384	-0.0882	1.62855	-2.13098	-3744.16
5273_5273	5273	5273	546.7959	-197.518	0.08505	-0.88515	2.137275	3744.178
5273_5274	5273	5274	-632.81	205.5312	-0.08505	0.89145	-2.69483	-4655.13
5274_5274	5274	5274	570.8509	-206.013	0.127575	0.53865	4.3344	5072.873
5274_5275	5274	5275	-660.752	220.563	-0.12758	-0.51818	-5.75978	-6824.98
5275_5275	5275	5275	666.7306	-257.056	-2.60348	-4.2966	5.4684	6826.186
5275_5276	5275	5276	-728.866	270.4779	2.603475	3.85245	20.18048	-8835.7
5276_5276	5276	5276	733.2098	-267.574	-2.6145	2.953125	-19.7348	8835.766
5276_5277	5276	5277	-760.046	281.1218	2.6145	-3.4524	44.7174	-10918.1
5277_5277	5277	5277	768.222	-311.228	2.5389	-6.82763	-45.7112	10920.03
5277_5278	5277	5278	-782.389	322.6876	-2.5389	7.249725	26.06468	-12756.9
5278_5278	5278	5278	-449.097	179.6067	1.45845	1.96245	-14.9893	3555.18
5278_5279	5278	5279	588.2184	-167.6	-1.45845	-1.96245	1.14975	-2382.12
5279_5279	5279	5279	-546.516	167.3312	1.617525	2.672775	-1.03005	2232.183
5279_5280	5279	5280	638.6326	-159.08	-1.61753	-2.67278	-9.5382	-1534.39
5280_5280	5280	5280	-639.059	119.1236	-1.86795	-0.08978	9.5382	1534.608
5280_5281	5280	5281	751.664	-104.393	1.86795	0.089775	12.24405	-681.614
5281_5281	5281	5281	-751.7	104.3926	-1.59548	0.20475	-12.2441	681.6143
5281_5282	5281	5282	855.2171	-88.7198	1.595475	-0.20475	32.04023	102.5325
5282_5282	5282	5282	-955.701	57.22448	2.849175	-0.0378	-97.2752	366.6962
5282_5283	5282	5283	999.8636	-46.4483	-2.84918	0.0378	61.97625	98.847
5283_5283	5283	5283	-999.83	46.44833	3.831975	-0.12128	-61.9763	-98.8454
5283_5284	5283	5284	1033.069	-36.2864	-3.83198	0.121275	17.20215	449.2278
5284_5284	5284	5284	-1033.35	-13.4521	-1.64273	0.40635	-17.2022	-449.289
5284_5285	5284	5285	1019.113	23.2596	1.642725	-0.40635	35.721	299.2563
5285_5285	5285	5285	-1019.12	-23.2596	-0.88673	0.21105	-35.721	-299.258

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5285_5286	5285	5286	999.9848	32.0166	0.886725	-0.21105	44.65283	97.51928
5286_5286	5286	5286	-1000.07	-73.3352	3.063375	-0.0693	-44.6528	-97.4925
5286_5287	5286	5287	938.6307	83.2608	-3.06338	0.0693	9.6957	-550.151
5287_5287	5287	5287	-938.593	-83.2608	4.153275	0.4473	-9.6957	550.1491
5287_5288	5287	5288	868.9905	93.23685	-4.15328	-0.4473	-37.9433	-1283.85
5288_5288	5288	5288	-869.367	-111.89	-2.90903	-3.33113	37.94333	1284.168
5288_5289	5288	5289	838.1189	115.3672	2.909025	3.331125	-26.3072	-1613.56
5289_5289	5289	5289	-868.438	-115.512	-2.5074	-3.00825	26.80808	1685.137
5289_5290	5289	5290	791.9541	123.7856	2.5074	3.00825	-2.9862	-2573.02
5290_5290	5290	5290	531.3767	407.8951	-2.83658	2.288475	-16.7202	11473.42
5290_5291	5290	5291	-460.371	-397.218	2.836575	-1.90418	46.30658	-8052.15
5291_5291	5291	5291	448.2119	350.3887	1.787625	-3.93593	-45.5947	8052.943
5291_5292	5291	5292	-346.798	-339.746	-1.78763	3.7233	26.2143	-5116.75
5292_5292	5292	5292	339.3054	341.9199	1.76085	2.3625	-26.649	5116.732
5292_5293	5292	5293	-206.331	-332.771	-1.76085	-2.5011	9.524025	-2591.85
5293_5293	5293	5293	198.9587	286.3287	-0.22838	-0.43943	-9.33975	2592.126
5293_5294	5293	5294	-96.6877	-279.692	0.228375	0.448875	11.00138	-1049.08
5294_5294	5294	5294	101.5513	278.3466	-0.16538	0.256725	-7.42928	974.9188
5294_5295	5294	5295	32.61195	-271.651	0.165375	-0.25358	8.686125	599.76
5295_5295	5295	5295	-35.5289	271.8828	-0.1764	0.077175	-8.6814	-599.763
5295_5296	5295	5296	178.1609	-264.724	0.1764	-0.07718	10.1241	2122.702
5296_5296	5296	5296	-178.246	223.8327	0.28035	1.4679	-10.1241	-2122.86
5296_5297	5296	5297	237.9227	-220.113	-0.28035	-1.4679	8.96175	2760.31
5297_5297	5297	5297	-201.198	221.8718	0.420525	1.608075	-13.723	-2967.46
5297_5298	5297	5298	312.8864	-213.501	-0.42053	-1.60808	9.826425	4453.357
5298_5298	5298	5298	-312.883	213.5007	0.404775	-1.4868	-9.82643	-4453.36
5298_5299	5298	5299	419.1674	-205.216	-0.40478	1.4868	6.1236	5867.355
5299_5299	5299	5299	-419.211	161.2816	0.07875	5.117175	-6.1236	-5867.83
5299_5300	5299	5300	520.0178	-150.737	-0.07875	-5.11718	5.21325	7208.962
5300_5300	5300	5300	-520.018	150.737	0.0504	-3.04763	-5.21325	-7208.98
5300_5301	5300	5301	619.6617	-139.536	-0.0504	3.047625	4.58325	8534.635
5301_5301	5301	5301	-619.709	94.38188	0.149625	6.1236	-4.58325	-8535.33
5301_5302	5301	5302	681.1844	-83.0781	-0.14963	-6.1236	2.71845	9353.199
5302_5302	5302	5302	-681.184	83.0781	0.12285	-4.37535	-2.71845	-9353.21
5302_5303	5302	5303	730.9638	-72.6453	-0.12285	4.37535	1.308825	10015.48
5303_5303	5303	5303	-731.017	27.63495	0.09135	7.14105	-1.30883	-10016.2
5303_5304	5303	5304	746.6965	-15.8744	-0.09135	-7.14105	0.114975	10224.81
5304_5304	5304	5304	-746.696	15.87443	0.061425	-5.82278	-0.11498	-10224.8
5304_5305	5304	5305	753.3556	-5.8905	-0.06143	5.822775	-0.56228	10313.41
5305_5305	5305	5305	-753.408	-38.9356	0.24255	5.847975	0.562275	-10314.2
5305_5306	5305	5306	723.7676	49.833	-0.24255	-5.84798	-3.4776	9919.841
5306_5306	5306	5306	-723.766	-49.833	0.218925	-3.57368	3.4776	-9919.85
5306_5307	5306	5307	687.0922	60.66428	-0.21893	3.573675	-6.10155	9431.96
5307_5307	5307	5307	-687.141	-105.678	0.0693	5.914125	6.10155	-9432.64
5307_5308	5307	5308	614.0547	116.4177	-0.0693	-5.91413	-6.9174	8460.297
5308_5308	5308	5308	-614.055	-116.418	0.04095	-3.8682	6.9174	-8460.31
5308_5309	5308	5309	531.8444	127.4207	-0.04095	3.8682	-7.41668	7366.584
5309_5309	5309	5309	-531.824	-169.024	1.532475	3.885525	7.416675	-7367.02
5309_5310	5309	5310	415.3921	179.9138	-1.53248	-3.88553	-25.8851	5818.012
5310_5310	5310	5310	-415.375	-179.914	1.507275	-2.4129	25.88513	-5818.02
5310_5311	5310	5311	292.205	190.7577	-1.50728	2.4129	-43.9661	4179.384
5311_5311	5311	5311	-292.307	-238.361	-1.86165	0.83475	43.96613	-4179.57

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5311_5312	5311	5312	121.9696	249.7493	1.86165	-0.83475	-20.5144	1913.416
5312_5312	5312	5312	-121.996	-249.749	-1.89473	-1.79393	20.51438	-1913.41
5312_5313	5312	5313	-30.7708	259.538	1.894725	1.793925	0	-118.999
5400_5020	5400	5020	1077.355	-124.949	8.846775	0.252	-87.9086	-2050.69
5400_5401	5400	5401	-1077.36	124.9495	-8.84678	-0.252	51.74033	1499.635
5401_5401	5401	5401	1076.177	-121.894	5.3235	0.886725	-50.8851	-1499.65
5401_5402	5401	5402	-1076.18	121.894	-5.3235	-0.88673	32.31585	1074.421
5402_5402	5402	5402	1078.799	-96.0372	3.327975	-0.37958	-32.8829	-1074.4
5402_5403	5402	5403	-1078.8	96.0372	-3.32798	0.379575	-3.46343	25.53075
5403_5403	5403	5403	1071.61	-62.8992	0.316575	-0.17168	2.600325	-25.5308
5403_5404	5403	5404	-1071.61	62.8992	-0.31658	0.171675	-4.88093	-427.721
5404_5404	5404	5404	1072.766	-38.4237	-0.5166	0.05355	4.994325	427.7196
5404_5405	5404	5405	-1072.77	38.4237	0.5166	-0.05355	-1.26315	-705.093
5405_5405	5405	5405	1069.2	-0.52448	0.140175	-0.04725	0.77805	705.0929
5405_5406	5405	5406	-1069.2	0.524475	-0.14018	0.04725	-2.7972	-712.656
5406_5406	5406	5406	1067.718	37.52123	-0.16538	-0.25988	2.367225	712.6576
5406_5407	5406	5407	-1067.72	-37.5212	0.165375	0.259875	-0.90405	-380.284
5407_5407	5407	5407	1066.692	59.94135	-1.7514	0.272475	1.151325	380.2838
5407_5408	5407	5408	-1066.69	-59.9414	1.7514	-0.27248	8.5743	-47.3335
5408_5408	5408	5408	1058.52	-164.621	1.28205	-0.4221	-9.27045	47.3319
5408_5409	5408	5409	-1058.52	164.6206	-1.28205	0.4221	5.403825	-544.214
5409_5409	5409	5409	1057.639	162.0344	3.816225	0.366975	-5.38965	544.4397
5409_5410	5409	5410	-1057.64	-162.034	-3.81623	-0.36698	-6.1677	-53.6272
5410_5410	5410	5410	1071.176	-63.5182	-0.89933	0.181125	5.677875	53.63978
5410_5411	5410	5411	-1071.18	63.51818	0.899325	-0.18113	-0.6867	-406.396
5411_5411	5411	5411	1072.274	-41.0193	0.218925	-0.24885	0.870975	406.3941
5411_5412	5411	5412	-1072.27	41.0193	-0.21893	0.24885	-2.80823	-769.679
5412_5412	5412	5412	1079.714	-2.72633	0.1323	-0.09293	2.33415	769.6852
5412_5413	5412	5413	-1079.71	2.726325	-0.1323	0.092925	-4.23675	-808.994
5413_5413	5413	5413	1088.471	34.86735	-0.55125	0.15435	3.8619	809.0098
5413_5414	5413	5414	-1088.47	-34.8674	0.55125	-0.15435	0.111825	-557.471
5414_5414	5414	5414	1087.391	59.7177	0.3402	-0.30713	0.0441	557.4713
5414_5415	5414	5415	-1087.39	-59.7177	-0.3402	0.307125	-2.49795	-127.441
5415_5415	5415	5415	1097.682	92.97855	0.9513	0.72765	2.898	127.4348
5415_5416	5415	5416	-1097.68	-92.9786	-0.9513	-0.72765	-13.2914	887.9992
5416_5416	5416	5416	1095.09	119.689	-2.62553	-2.58458	14.10098	-887.983
5416_5417	5416	5417	-1095.09	-119.689	2.625525	2.584575	-4.92818	1306.073
5417_5417	5417	5417	1096.747	119.993	-9.23423	-0.21893	5.481	-1306.08
5417_5036	5417	5036	-1096.75	-119.993	9.234225	0.218925	32.04968	1811.684
5420_5056	5420	5056	913.163	-113.559	4.685625	0.12285	-22.9021	-1983.29
5420_5421	5420	5421	-913.163	113.5591	-4.68563	-0.12285	3.71385	1498.668
5421_5421	5421	5421	911.6935	-110.771	0.763875	0.50085	-3.97845	-1498.67
5421_5422	5421	5422	-911.693	110.7713	-0.76388	-0.50085	1.318275	1112.446
5422_5422	5422	5422	914.0875	-88.8725	0.240975	-0.12128	-1.49783	-1112.45
5422_5423	5422	5423	-914.087	88.87253	-0.24098	0.121275	-1.1403	142.243
5423_5423	5423	5423	907.1874	-61.3006	0.439425	-0.04568	0.574875	-142.245
5423_5424	5423	5424	-907.187	61.30058	-0.43943	0.045675	-3.75008	-299.941
5424_5424	5424	5424	908.3844	-39.7735	-0.2772	0.105525	3.831975	299.9399
5424_5425	5424	5425	-908.384	39.77348	0.2772	-0.10553	-1.8396	-586.613
5425_5425	5425	5425	905.0171	-8.3034	-0.06615	0.036225	1.841175	586.6119
5425_5426	5425	5426	-905.017	8.3034	0.06615	-0.03623	-0.89145	-706.336
5426_5426	5426	5426	903.1901	24.32588	0.322875	-0.33863	0.710325	706.334

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5426_5427	5426	5427	-903.19	-24.3259	-0.32288	0.338625	-3.57368	-490.983
5427_5427	5427	5427	902.5034	42.78488	-1.69943	0.666225	4.06035	490.9795
5427_5428	5427	5428	-902.503	-42.7849	1.699425	-0.66623	5.3865	-253.175
5428_5428	5428	5428	893.6881	-146.844	0.782775	-0.76703	-5.75033	253.1671
5428_5429	5428	5429	-893.688	146.8436	-0.78278	0.767025	3.38625	-696.604
5429_5429	5429	5429	893.8645	148.5162	-2.29005	0.75285	-3.3831	696.9753
5429_5430	5429	5430	-893.864	-148.516	2.29005	-0.75285	10.3194	-247.136
5430_5430	5430	5430	906.5243	-42.7124	1.00485	-0.1008	-9.4815	247.1317
5430_5431	5430	5431	-906.524	42.71243	-1.00485	0.1008	3.90285	-484.144
5431_5431	5431	5431	907.2362	-23.1352	0.792225	0.096075	-3.95168	484.1424
5431_5432	5431	5432	-907.236	23.13518	-0.79223	-0.09608	-3.06495	-689.143
5432_5432	5432	5432	912.6857	9.12555	-0.12285	0.026775	2.98935	689.1554
5432_5433	5432	5433	-912.686	-9.12555	0.12285	-0.02678	-1.22693	-557.619
5433_5433	5433	5433	919.6472	41.03033	0.184275	0.014175	1.538775	557.6288
5433_5434	5433	5434	-919.647	-41.0303	-0.18428	-0.01418	-2.87123	-261.636
5434_5434	5434	5434	918.4723	61.98885	-0.12285	0.0378	2.8413	261.6359
5434_5435	5434	5435	-918.472	-61.9889	0.12285	-0.0378	-1.95458	184.6955
5435_5435	5435	5435	928.2814	90.5499	-1.18755	-0.39848	2.868075	-184.683
5435_5436	5435	5436	-928.281	-90.5499	1.18755	0.398475	10.11308	1174.352
5436_5436	5436	5436	925.8984	112.3322	-0.00473	1.390725	-10.5352	-1174.35
5436_5437	5436	5437	-925.898	-112.332	0.004725	-1.39073	10.54935	1565.799
5437_5437	5437	5437	927.4435	115.1057	-9.52875	-0.25043	-8.60423	-1565.86
5437_5072	5437	5072	-927.443	-115.106	9.52875	0.250425	47.59178	2057.185
5440_5094	5440	5094	978.7806	-106.322	3.038175	0.1512	-22.6107	-1553.15
5440_5441	5440	5441	-978.781	106.322	-3.03818	-0.1512	10.1934	1118.601
5441_5441	5441	5441	976.7237	-103.805	1.54035	0.524475	-10.0595	-1118.6
5441_5442	5441	5442	-976.724	103.8051	-1.54035	-0.52448	4.682475	756.3323
5442_5442	5442	5442	978.935	-80.3423	0.4851	-0.19845	-4.914	-756.331
5442_5443	5442	5443	-978.935	80.34233	-0.4851	0.19845	-0.38588	-121.44
5443_5443	5443	5443	970.7528	-50.0267	0.641025	-0.24728	0.127575	121.4341
5443_5444	5443	5444	-970.753	50.02673	-0.64103	0.247275	-4.7439	-481.663
5444_5444	5444	5444	971.6411	-27.8649	-0.51975	0.2268	4.94235	481.6618
5444_5445	5444	5445	-971.641	27.8649	0.51975	-0.2268	-1.19228	-682.682
5445_5445	5445	5445	966.8941	6.1929	-0.15593	0.001575	1.7955	682.6838
5445_5446	5445	5446	-966.894	-6.1929	0.155925	-0.00158	0.4536	-593.424
5446_5446	5446	5446	963.3283	40.66965	0.9261	0.004725	-0.06143	593.4254
5446_5447	5446	5447	-963.328	-40.6697	-0.9261	-0.00473	-8.13803	-233.209
5447_5447	5447	5447	962.2888	60.47213	0.3843	-0.03465	8.194725	233.2055
5447_5448	5447	5448	-962.289	-60.4721	-0.3843	0.03465	-10.3304	102.9719
5448_5448	5448	5448	954.9083	-142.1	-3.29805	1.6821	11.29275	-102.975
5448_5449	5448	5449	-954.908	142.0997	3.29805	-1.6821	-1.31828	-326.732
5449_5449	5449	5449	954.8406	141.8272	2.97675	-1.77188	1.33875	326.7968
5449_5450	5449	5450	-954.841	-141.827	-2.97675	1.771875	-10.343	102.1718
5450_5450	5450	5450	963.4055	-61.5195	-0.77648	0.07875	9.798075	-102.164
5450_5451	5450	5451	-963.405	61.5195	0.776475	-0.07875	-5.48573	-239.312
5451_5451	5451	5451	964.4969	-40.9736	-0.53078	-0.09765	5.5125	239.3118
5451_5452	5451	5452	-964.497	40.97363	0.530775	0.09765	-0.8127	-602.25
5452_5452	5452	5452	969.5102	-6.50633	0.07245	-0.03308	0.42525	602.2517
5452_5453	5452	5453	-969.51	6.506325	-0.07245	0.033075	-1.46475	-696.046
5453_5453	5453	5453	975.6401	27.48848	0.074025	-0.05355	1.261575	696.0492
5453_5454	5453	5454	-975.64	-27.4885	-0.07403	0.05355	-1.79235	-497.75
5454_5454	5454	5454	974.7392	50.14958	-0.12128	0.0063	1.7577	497.7504

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5454_5455	5454	5455	-974.739	-50.1496	0.121275	-0.0063	-0.87885	-136.187
5455_5455	5455	5455	983.9214	79.79265	0.341775	0.181125	1.129275	136.1903
5455_5456	5455	5456	-983.921	-79.7927	-0.34178	-0.18113	-4.86675	734.7265
5456_5456	5456	5456	981.6975	103.6161	-0.57173	-0.63945	5.057325	-734.725
5456_5457	5456	5457	-981.698	-103.616	0.571725	0.63945	-3.06338	1096.268
5457_5457	5457	5457	983.819	106.5661	-3.77843	-0.06773	3.60675	-1096.26
5457_5110	5457	5110	-983.819	-106.566	3.778425	0.067725	11.8692	1548.107
5460_5132	5460	5132	904.3083	-118.136	-7.95375	-0.10238	40.24283	-2102.5
5460_5461	5460	5461	-904.308	118.136	7.95375	0.102375	-7.59623	1556.391
5461_5461	5461	5461	902.4782	-114.12	-1.8774	-0.78278	8.579025	-1556.39
5461_5462	5461	5462	-902.478	114.1198	1.8774	0.782775	-2.0286	1158.331
5462_5462	5462	5462	904.9572	-92.4352	-1.07415	0.228375	2.319975	-1158.33
5462_5463	5462	5463	-904.957	92.43518	1.07415	-0.22838	9.410625	148.9052
5463_5463	5463	5463	896.3577	-62.4755	-0.5292	0.263025	-8.24513	-148.945
5463_5464	5463	5464	-896.358	62.47553	0.5292	-0.26303	12.05505	-301.324
5464_5464	5464	5464	897.5657	-41.6336	1.973475	-0.31185	-12.3464	301.3117
5464_5465	5464	5465	-897.566	41.63355	-1.97348	0.31185	-1.8837	-601.549
5465_5465	5465	5465	892.5824	-7.8939	-0.08505	-0.03465	1.70415	601.5303
5465_5466	5465	5466	-892.582	7.8939	0.08505	0.03465	-0.46778	-715.283
5466_5466	5466	5466	887.7425	26.33873	-0.4914	0.275625	0.77805	715.2926
5466_5467	5466	5467	-887.742	-26.3387	0.4914	-0.27563	3.576825	-482.081
5467_5467	5467	5467	887.0117	44.58038	1.18125	-0.54023	-3.98003	482.0776
5467_5468	5467	5468	-887.012	-44.5804	-1.18125	0.540225	-2.58458	-234.311
5468_5468	5468	5468	875.4512	-138.529	0.363825	-0.1764	2.697975	234.3049
5468_5469	5468	5469	-875.451	138.5291	-0.36383	0.1764	-3.79733	-653.088
5469_5469	5469	5469	873.9344	138.7465	0.12915	0.1386	-5.79443	648.2448
5469_5470	5469	5470	-873.934	-138.746	-0.12915	-0.1386	5.40225	-228.803
5470_5470	5470	5470	885.9312	-44.0843	0.7938	-0.2583	-5.14553	228.816
5470_5471	5470	5471	-885.931	44.08425	-0.7938	0.2583	0.7371	-473.821
5471_5471	5471	5471	886.662	-25.4615	0.126	0.108675	-0.89618	473.8214
5471_5472	5471	5472	-886.662	25.46145	-0.126	-0.10868	-0.2142	-699.498
5472_5472	5472	5472	892.1115	7.867125	0.102375	-0.02363	-0.04883	699.4859
5472_5473	5472	5473	-892.112	-7.86713	-0.10238	0.023625	-1.43483	-586.127
5473_5473	5473	5473	898.0225	40.10738	-0.17483	-0.0252	1.009575	586.1315
5473_5474	5473	5474	-898.022	-40.1074	0.174825	0.0252	0.252	-296.9
5474_5474	5474	5474	896.8475	60.96983	-0.23783	0.001575	-0.2583	296.9001
5474_5475	5474	5475	-896.848	-60.9698	0.237825	-0.00158	1.970325	142.5233
5475_5475	5475	5475	905.4014	88.74653	0.8316	-0.063	-2.32313	-142.523
5475_5476	5475	5476	-905.401	-88.7465	-0.8316	0.063	-6.76463	1111.725
5476_5476	5476	5476	903.0121	110.4437	1.185975	0.225225	6.6402	-1111.72
5476_5477	5476	5477	-903.012	-110.444	-1.18598	-0.22523	-10.7762	1496.989
5477_5477	5477	5477	904.7162	113.1197	0.760725	0.0819	11.79045	-1496.96
5477_5148	5477	5148	-904.716	-113.12	-0.76073	-0.0819	-14.909	1960.171
5480_5168	5480	5168	914.582	-123.948	1.085175	0.089775	-2.24595	-2339.79
5480_5481	5480	5481	-914.582	123.9478	-1.08518	-0.08978	-2.19555	1832.215
5481_5481	5481	5481	913.226	-121.491	-1.56555	-2.71058	0.75915	-1832.18
5481_5482	5481	5482	-913.226	121.4908	1.56555	2.710575	4.6998	1408.387
5482_5482	5482	5482	915.905	-99.3164	0.612675	0.8631	-3.75008	-1408.39
5482_5483	5482	5483	-915.905	99.31635	-0.61268	-0.8631	-2.93423	324.6973
5483_5483	5483	5483	909.4176	-71.4152	-0.75443	0.096075	2.8728	-324.7
5483_5484	5483	5484	-909.418	71.41523	0.754425	-0.09608	2.56725	-190.006
5484_5484	5484	5484	910.832	-50.263	0.546525	-0.12128	-2.66175	190.0064

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5484_5485	5484	5485	-910.832	50.26298	-0.54653	0.121275	-1.28205	-552.477
5485_5485	5485	5485	907.0031	-17.618	-0.13703	-0.0189	1.54665	552.4769
5485_5486	5485	5486	-907.003	17.61795	0.137025	0.0189	0.426825	-806.502
5486_5486	5486	5486	903.5901	17.00685	-0.3528	0.118125	-0.49613	806.5229
5486_5487	5486	5487	-903.59	-17.0069	0.3528	-0.11813	3.6162	-655.94
5487_5487	5487	5487	903.0499	35.58083	0.313425	-0.28193	-3.83198	655.9387
5487_5488	5487	5488	-903.05	-35.5808	-0.31343	0.281925	2.08845	-458.191
5488_5488	5488	5488	889.9191	-150.855	-0.92138	-0.56228	-1.88055	458.1864
5488_5489	5488	5489	-889.919	150.8551	0.921375	0.562275	4.666725	-914.234
5489_5489	5489	5489	894.0913	152.2206	-1.64745	0.53235	-0.97178	926.1977
5489_5490	5489	5490	-894.091	-152.221	1.64745	-0.53235	5.95035	-466.02
5490_5490	5490	5490	907.8914	-35.1792	0.90405	-0.3339	-5.34083	466.0331
5490_5491	5490	5491	-907.891	35.1792	-0.90405	0.3339	0.316575	-661.549
5491_5491	5491	5491	908.4238	-16.506	0.234675	0.155925	-0.53235	661.5488
5491_5492	5491	5492	-908.424	16.506	-0.23468	-0.15593	-1.5435	-807.696
5492_5492	5492	5492	912.3219	18.21488	-0.19215	-0.0126	1.362375	807.701
5492_5493	5492	5493	-912.322	-18.2149	0.19215	0.0126	1.415925	-545.07
5493_5493	5493	5493	916.7855	51.05048	0.50085	-0.11813	-1.21748	545.076
5493_5494	5493	5494	-916.785	-51.0505	-0.50085	0.118125	-2.39873	-176.928
5494_5494	5494	5494	915.3506	72.33975	-0.80798	0.086625	2.310525	176.9292
5494_5495	5494	5495	-915.351	-72.3398	0.807975	-0.08663	3.5154	344.4478
5495_5495	5495	5495	922.6791	100.6598	0.924525	0.880425	-3.69023	-344.443
5495_5496	5495	5496	-922.679	-100.66	-0.92453	-0.88043	-6.39923	1443.758
5496_5496	5496	5496	919.9985	122.7618	-1.26	-2.82713	7.36785	-1443.75
5496_5497	5496	5497	-919.998	-122.762	1.26	2.827125	-2.97203	1871.971
5497_5497	5497	5497	921.1829	125.3369	0.7686	0.126	1.5624	-1872.02
5497_5184	5497	5184	-921.183	-125.337	-0.7686	-0.126	-4.71083	2432.98
5500_5204	5500	5204	1026.056	-132.59	-1.67895	0.026775	0.707175	-2432.23
5500_5501	5500	5501	-1026.06	132.5898	1.67895	-0.02678	6.1677	1865.203
5501_5501	5501	5501	1025.21	-129.89	0.8442	0.477225	-5.06048	-1865.25
5501_5502	5501	5502	-1025.21	129.8903	-0.8442	-0.47723	2.1168	1412.148
5502_5502	5502	5502	1028.032	-105.256	0.442575	-0.04095	-2.27115	-1412.15
5502_5503	5502	5503	-1028.03	105.2557	-0.44258	0.04095	-2.56253	262.6391
5503_5503	5503	5503	1019.236	-74.1951	-0.82688	0.203175	2.58615	-262.631
5503_5504	5503	5504	-1019.24	74.1951	0.826875	-0.20318	3.368925	-272.113
5504_5504	5504	5504	1020.685	-50.4898	0.634725	-0.11498	-3.50438	272.1112
5504_5505	5504	5505	-1020.69	50.48978	-0.63473	0.114975	-1.0773	-636.221
5505_5505	5505	5505	1014.206	-15.3468	-0.23468	0.058275	1.460025	636.2102
5505_5506	5505	5506	-1014.21	15.3468	0.234675	-0.05828	1.913625	-857.495
5506_5506	5506	5506	1008.983	20.78213	0.92295	0.253575	-1.97033	857.5025
5506_5507	5506	5507	-1008.98	-20.7821	-0.92295	-0.25358	-6.1992	-673.479
5507_5507	5507	5507	1008.34	41.5233	1.66635	-0.36225	5.9787	673.481
5507_5508	5507	5508	-1008.34	-41.5233	-1.66635	0.36225	-15.2444	-442.707
5508_5508	5508	5508	992.5004	-169.81	-2.21288	1.374975	16.14533	442.6648
5508_5509	5508	5509	-992.5	169.8102	2.212875	-1.37498	-9.4563	-956.016
5509_5509	5509	5509	992.6564	170.552	-1.52618	-1.42065	9.467325	955.9148
5509_5510	5509	5510	-992.656	-170.552	1.526175	1.42065	-4.851	-440.321
5510_5510	5510	5510	1004.467	-40.5641	0.78435	-0.64575	5.217975	440.3243
5510_5511	5510	5511	-1004.47	40.56413	-0.78435	0.64575	-9.57758	-665.765
5511_5511	5511	5511	1005.089	-19.908	-1.1025	0.3969	9.023175	665.773
5511_5512	5511	5512	-1005.09	19.908	1.1025	-0.3969	0.732375	-842.042
5512_5512	5512	5512	1006.016	16.2792	0.029925	-0.01418	-0.2205	842.0533

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5512_5513	5512	5513	-1006.02	-16.2792	-0.02993	0.014175	-0.21105	-607.344
5513_5513	5513	5513	1007.822	51.3513	0.52605	-0.10868	0.366975	607.3452
5513_5514	5513	5514	-1007.82	-51.3513	-0.52605	0.108675	-4.16115	-237.028
5514_5514	5514	5514	1006.389	74.32268	-0.90248	0.140175	4.0446	237.0296
5514_5515	5514	5515	-1006.39	-74.3227	0.902475	-0.14018	2.4507	297.9239
5515_5515	5515	5515	1010.355	105.5203	0.80325	0.7371	-2.32943	-297.91
5515_5516	5515	5516	-1010.35	-105.52	-0.80325	-0.7371	-6.43545	1450.288
5516_5516	5516	5516	1007.532	129.7249	-0.69615	-1.65218	7.04655	-1450.28
5516_5517	5516	5517	-1007.53	-129.725	0.69615	1.652175	-4.61948	1902.795
5517_5517	5517	5517	1008.194	131.8559	-15.246	-0.88673	11.1069	-1902.58
5517_5220	5517	5220	-1008.19	-131.856	15.246	0.886725	51.32138	2442.49
5520_5240	5520	5240	982.3779	-243.257	21.9681	1.2726	-202.312	-3846.12
5520_5521	5520	5521	-982.378	243.2572	-21.9681	-1.2726	52.39238	2186.046
5521_5521	5521	5521	1005.121	-138.6	7.942725	5.539275	-52.6428	-2186.47
5521_5522	5521	5522	-1005.12	138.6	-7.94273	-5.53928	24.885	1702.062
5522_5522	5522	5522	1008.257	-113.786	3.68235	-1.28678	-26.9199	-1702.04
5522_5523	5522	5523	-1008.26	113.7859	-3.68235	1.286775	-13.2725	459.941
5523_5523	5523	5523	1006.112	-87.4031	0.51975	-0.13388	11.2707	-459.561
5523_5524	5523	5524	-1006.11	87.40305	-0.51975	0.133875	-15.0208	-170.149
5524_5524	5524	5524	1007.865	-64.0616	-2.69483	0.074025	15.20978	170.1331
5524_5525	5524	5525	-1007.86	64.06155	2.694825	-0.07403	4.21785	-632.04
5525_5525	5525	5525	1005.77	-33.2876	-0.60008	-0.17483	-4.9014	631.649
5525_5526	5525	5526	-1005.77	33.28763	0.600075	0.174825	13.5639	-1111.57
5526_5526	5526	5526	1004.526	-0.11025	1.21275	-0.75915	-12.9544	1110.614
5526_5527	5526	5527	-1004.53	0.11025	-1.21275	0.75915	2.203425	-1111.58
5527_5527	5527	5527	1004.305	21.07193	0.0567	0.555975	-1.63643	1111.586
5527_5528	5527	5528	-1004.31	-21.0719	-0.0567	-0.55598	1.323	-994.543
5528_5528	5528	5528	987.1958	-190.11	-2.12783	-1.67265	0.28665	993.4628
5528_5529	5528	5529	-987.196	190.1104	2.127825	1.67265	6.147225	-1568.27
5529_5529	5529	5529	987.6006	192.2508	-0.02835	0.603225	-5.90783	1567.267
5529_5530	5529	5530	-987.601	-192.251	0.02835	-0.60323	5.992875	-986.148
5530_5530	5530	5530	1006.513	-17.9771	3.668175	-1.57973	-6.9993	985.2381
5530_5531	5530	5531	-1006.51	17.97705	-3.66818	1.579725	-13.3781	-1085.11
5531_5531	5531	5531	1006.674	2.898	1.58445	0.3906	12.36533	1085.126
5531_5532	5531	5532	-1006.67	-2.898	-1.58445	-0.3906	-26.4033	-1059.46
5532_5532	5532	5532	1008.643	39.9987	-0.55283	-0.31658	25.326	1059.027
5532_5533	5532	5533	-1008.64	-39.9987	0.552825	0.316575	-17.3628	-482.164
5533_5533	5533	5533	1008.704	76.43633	-0.9576	0.19845	16.91393	482.0303
5533_5534	5533	5534	-1008.7	-76.4363	0.9576	-0.19845	-10.006	69.17243
5534_5534	5534	5534	1006.65	99.8928	-1.66793	-0.08505	10.02488	-69.1693
5534_5535	5534	5535	-1006.65	-99.8928	1.667925	0.08505	1.992375	789.1805
5535_5535	5535	5535	1003.377	132.4103	7.359975	0.996975	-0.40163	-788.544
5535_5536	5535	5536	-1003.38	-132.41	-7.35998	-0.99698	-79.9817	2234.613
5536_5536	5536	5536	999.9565	156.1471	7.586775	-0.3717	79.84305	-2234.62
5536_5537	5536	5537	-999.956	-156.147	-7.58678	0.3717	-106.276	2778.705
5537_5537	5537	5537	1005.414	158.1237	-24.5779	-6.7725	111.7982	-2778.4
5537_5254	5537	5254	-1005.41	-158.124	24.57788	6.7725	-11.151	3425.904
5540_5278	5540	5278	1484.485	-175.883	14.01278	13.31505	-120.242	-2846.09
5540_5541	5540	5541	-1484.48	175.8834	-14.0128	-13.3151	62.94803	2071.149
5541_5541	5541	5541	1486.098	-171.944	7.148925	2.1987	-64.3088	-2074.74
5541_5542	5541	5542	-1486.1	171.9443	-7.14893	-2.1987	39.32775	1473.863
5542_5542	5542	5542	1489.878	-135.45	4.159575	0.124425	-40.1515	-1473.84

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5542_5543	5542	5543	-1489.88	135.45	-4.15958	-0.12443	-5.26523	-5.17073
5543_5543	5543	5543	1490.207	-89.5419	0.562275	-1.37025	2.7468	4.27455
5543_5544	5543	5544	-1490.21	89.5419	-0.56228	1.37025	-6.79928	-649.653
5544_5544	5544	5544	1491.9	-54.3753	-3.5469	0.281925	7.40565	649.6481
5544_5545	5544	5545	-1491.9	54.3753	3.5469	-0.28193	18.144	-1041.41
5545_5545	5545	5545	1486.661	-3.8052	0.004725	-0.77805	-19.0859	1039.628
5545_5546	5545	5546	-1486.66	3.8052	-0.00473	0.77805	19.026	-1094.5
5546_5546	5546	5546	1479.479	48.0186	5.258925	-0.72293	-19.0748	1093.011
5546_5547	5546	5547	-1479.48	-48.0186	-5.25893	0.722925	-27.4932	-667.822
5547_5547	5547	5547	1478.197	78.17828	3.0996	-0.33075	27.909	667.8047
5547_5548	5547	5548	-1478.2	-78.1783	-3.0996	0.33075	-45.1411	-233.146
5548_5548	5548	5548	1462.323	-231.604	-4.54388	2.5011	46.38218	230.3264
5548_5549	5548	5549	-1462.32	231.6038	4.543875	-2.5011	-32.6482	-930.412
5549_5549	5549	5549	1468.325	231.0667	-2.2239	-3.18623	32.91278	933.2048
5549_5550	5549	5550	-1468.33	-231.067	2.2239	3.186225	-26.2883	-245.19
5550_5550	5550	5550	1481.699	-89.0395	3.99735	-0.9135	25.67093	243.9108
5550_5551	5550	5551	-1481.7	89.03948	-3.99735	0.9135	-48.3163	-748.273
5551_5551	5551	5551	1483.34	-55.4731	0.8064	-0.42525	47.56815	748.3203
5551_5552	5551	5552	-1483.34	55.47308	-0.8064	0.42525	-54.3643	-1215.53
5552_5552	5552	5552	1486.676	3.78315	-0.07875	-0.88988	52.94835	1215.302
5552_5553	5552	5553	-1486.68	-3.78315	0.07875	0.889875	-51.8443	-1162.05
5553_5553	5553	5553	1490.673	59.89253	-2.709	-0.37958	50.25668	1161.756
5553_5554	5553	5554	-1490.67	-59.8925	2.709	0.379575	-31.1803	-740.055
5554_5554	5554	5554	1488.635	98.217	-4.38795	-0.3276	30.87788	740.0673
5554_5555	5554	5555	-1488.63	-98.217	4.38795	0.3276	0.036225	-48.173
5555_5555	5555	5555	1493.136	151.0252	-4.36433	1.57185	-0.09923	48.83288
5555_5556	5555	5556	-1493.14	-151.025	4.364325	-1.57185	46.60898	1560.71
5556_5556	5556	5556	1488.342	192.4981	-7.94273	-1.01745	-45.5285	-1560.74
5556_5557	5556	5557	-1488.34	-192.498	7.942725	1.01745	72.76185	2220.734
5557_5557	5557	5557	1485.816	195.2654	-1.91363	-2.27273	-73.1556	-2220.93
5557_5290	5557	5290	-1485.82	-195.265	1.913625	2.272725	83.66558	3359.367
45000_5000	45000	5000	3.656363	202.146	11.73086	4.345163	0	15.11108
45000_5001	45000	5001	-3.65636	-189.042	-11.7309	-4.34516	-149.257	2473.381
45001_5001	45001	5001	3.673688	189.0417	11.72719	1.021125	149.2567	-2473.39
45001_5002	45001	5002	-3.67369	-178.859	-11.7272	-1.02113	-265.185	4291.888
45002_5002	45002	5002	3.540338	147.0866	-12.2525	7.088025	265.1846	-4291.96
45002_5003	45002	5003	-3.54034	-134.576	12.25245	-7.08803	-116.389	6002.298
45003_5003	45003	5003	3.5217	134.5764	-12.2577	-2.07506	116.3886	-6002.3
45003_5004	45003	5004	-3.5217	-122.082	12.2577	2.075063	32.32005	7559.191
45004_5004	45004	5004	3.597038	98.37083	1.942238	4.578263	-32.3201	-7559.35
45004_5005	45004	5005	-3.59704	-85.8653	-1.94224	-4.57826	8.7381	8677.608
45005_5005	45005	5005	3.599925	85.86533	1.938825	-3.41828	-8.7381	-8677.61
45005_5006	45005	5006	-3.59993	-73.3548	-1.93883	3.418275	-14.8187	9644.715
45006_5006	45006	5006	3.589688	45.89839	-0.37065	8.326763	14.81865	-9644.79
45006_5007	45006	5007	-3.58969	-33.3947	0.37065	-8.32676	-10.3197	10125.97
45007_5007	45007	5007	3.588375	33.39473	-0.3759	-8.23043	10.31966	-10126
45007_5008	45007	5008	-3.58838	-20.8968	0.3759	8.230425	-5.75111	10455.36
45008_5008	45008	5008	3.597038	-5.71594	0.96495	7.665263	5.751113	-10455.5
45008_5009	45008	5009	-3.59704	18.2217	-0.96495	-7.66526	-17.4733	10310.22
45009_5009	45009	5009	3.599925	-18.2217	0.9597	-9.19065	17.47331	-10310.2
45009_5010	45009	5010	-3.59993	30.7272	-0.9597	9.19065	-29.1215	10013.08
45010_5010	45010	5010	3.598613	-57.7146	0.21945	-1.491	29.12149	-10013.2

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45010_5011	45010	5011	-3.59861	70.2198	-0.21945	1.491	-31.7767	9236.744
45011_5011	45011	5011	3.598613	-70.2198	0.21945	-1.491	31.77668	-9236.74
45011_5012	45011	5012	-3.59861	82.72084	-0.21945	1.491	-34.4303	8308.54
45012_5012	45012	5012	3.588113	-110.478	-1.37445	0.511613	34.43029	-8308.67
45012_5013	45012	5013	-3.58811	122.9868	1.37445	-0.51161	-17.7269	6891.013
45013_5013	45013	5013	3.586538	-122.987	-1.37918	-4.45804	17.72689	-6891.01
45013_5014	45013	5014	-3.58654	135.4844	1.379175	4.458038	-1.00564	5322.942
45014_5014	45014	5014	3.616725	-158.898	3.647963	-0.62528	1.005638	-5323
45014_5015	45014	5015	-3.61673	175.5319	-3.64796	0.625275	-59.9151	2622.718
45015_5015	45015	5015	5.157075	-175.493	3.646125	-5.06363	59.8731	-2620.71
45015_5016	45015	5016	-5.23241	183.9962	-3.64613	5.063625	-89.9651	1136.884
45016_5016	45016	5016	7.899413	-215.677	-2.14646	-2.38586	78.06776	-166.969
45016_5017	45016	5017	-8.20339	227.5712	2.146463	2.385863	-52.8413	-2583.19
45017_5017	45017	5017	13.75631	-227.303	-2.14856	-1.68394	52.86803	2582.935
45017_5018	45017	5018	-14.4286	240.7356	2.148563	1.683938	-24.3269	-5710.97
45018_5018	45018	5018	22.5414	-267.322	0.478013	-6.00285	23.99723	5710.975
45018_5019	45018	5019	-23.493	279.9681	-0.47801	6.00285	-29.9843	-9150.61
45019_5019	45019	5019	30.78128	-279.261	0.475913	1.89	30.69911	9150.612
45019_5020	45019	5020	-32.0681	291.9257	-0.47591	-1.89	-36.6812	-12812.2
45020_5020	45020	5020	-1041.6	94.79794	-6.29265	-2.4507	141.2526	2942.495
45020_5021	45020	5021	1041.601	-85.181	6.29265	2.4507	-81.4958	-2030.26
45021_5021	45021	5021	-1041.6	85.18099	-6.12701	-0.64549	81.49575	1778.606
45021_5022	45021	5022	1041.601	-77.3278	6.127013	0.645488	-33.9701	-1148.43
45022_5022	45022	5022	-1041.61	77.32778	-4.93658	0.667013	33.97013	1148.431
45022_5023	45022	5023	1041.607	-69.483	4.936575	-0.66701	4.258538	-579.939
45023_5023	45023	5023	-1041.62	46.80664	-1.82805	-1.03845	-4.25854	579.9336
45023_5024	45023	5024	1041.616	-38.7001	1.82805	1.03845	18.89055	-237.728
45024_5024	45024	5024	-1041.61	38.70011	-3.2592	-1.36474	-18.8906	237.7276
45024_5025	45024	5025	1041.611	-30.6017	3.2592	1.364738	44.95706	39.32355
45025_5025	45025	5025	-1041.62	30.60173	-0.53314	-1.46738	-44.9571	-39.3204
45025_5026	45025	5026	1041.617	-22.4981	0.533138	1.467375	49.22978	251.8089
45026_5026	45026	5026	-1041.62	-1.7934	-1.53694	-1.20251	-49.2298	-251.811
45026_5027	45026	5027	1041.624	7.871325	1.536938	1.202513	58.45849	222.8042
45027_5027	45027	5027	-1041.62	-7.87133	-1.71806	-1.16419	-58.4585	-222.806
45027_5028	45027	5028	1041.625	13.9398	1.718063	1.164188	68.74928	157.4556
45028_5028	45028	5028	-1041.62	-13.9398	-1.53694	-1.1907	-68.7493	-157.454
45028_5029	45028	5029	1041.624	20.01904	1.536938	1.1907	77.98088	55.54238
45029_5029	45029	5029	-1041.63	-20.019	0.188213	-1.2831	-77.9809	-55.5408
45029_5030	45029	5030	1041.627	26.09565	-0.18821	1.2831	76.85003	-82.8295
45030_5030	45030	5030	-1041.64	-50.1092	-0.61556	-1.5393	-76.85	82.80983
45030_5031	45030	5031	1041.636	58.20964	0.615563	1.5393	81.78188	-516.149
45031_5031	45031	5031	-1041.64	-58.2096	0.67935	-0.89854	-81.7819	516.1514
45031_5032	45031	5032	1041.636	66.31275	-0.67935	0.898538	76.34839	-1014.26
45032_5032	45032	5032	-1041.64	-66.3128	0.67935	-0.89854	-76.3484	1014.256
45032_5033	45032	5033	1041.636	74.41455	-0.67935	0.898538	70.91779	-1577.18
45033_5033	45033	5033	-1041.63	-97.902	2.654925	-2.58563	-70.9178	1577.225
45033_5034	45033	5034	1041.632	105.7458	-2.65493	2.585625	50.3454	-2366.09
45034_5034	45034	5034	-1041.63	-105.746	2.654925	-2.58563	-50.3454	2366.092
45034_5035	45034	5035	1041.632	113.5937	-2.65493	2.585625	29.77564	-3215.74
45035_5035	45035	5035	-1041.63	-113.594	3.699675	1.579463	-29.7756	3480.59
45035_5036	45035	5036	1041.629	123.1873	-3.69968	-1.57946	-5.27651	-4648.34
45036_5036	45036	5036	27.83734	250.7964	1.297275	-13.4243	-28.6913	14686.79

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45036_5037	45036	5037	-26.549	-238.107	-1.29728	13.42425	12.35535	-11692.2
45037_5037	45037	5037	20.34795	238.7175	1.292025	12.4299	-14.6252	11692.23
45037_5038	45037	5038	-19.3935	-226.053	-1.29203	-12.4299	-1.57526	-8719.53
45038_5038	45038	5038	12.30653	199.1661	-1.3524	-6.32573	2.8266	8719.972
45038_5039	45038	5039	-11.6327	-185.749	1.3524	6.325725	15.12656	-6175.95
45039_5039	45039	5039	-16.6378	293.8974	-1.18466	25.94524	-19.0402	21620.83
45039_5040	45039	5040	16.9386	-282.165	1.184663	-25.9452	32.98575	-18486
45040_5040	45040	5040	-21.9623	244.451	1.922813	-6.85913	-32.2508	18486.94
45040_5041	45040	5041	22.03478	-236.217	-1.92281	6.859125	16.38998	-16718.9
45041_5041	45041	5041	-24.1093	236.0153	1.941188	3.192263	-16.4485	16711.58
45041_5042	45041	5042	24.10931	-220.313	-1.94119	-3.19226	-14.0561	-12030.6
45042_5042	45042	5042	-24.1295	190.9367	-1.47551	0.399525	14.05609	12030.78
45042_5043	45042	5043	24.12953	-179.025	1.475513	-0.39953	3.54795	-9824.63
45043_5043	45043	5043	-24.1295	179.0253	-1.47551	0.399525	-3.54795	9824.628
45043_5044	45043	5044	24.12953	-167.118	1.475513	-0.39953	21.15488	-7760.51
45044_5044	45044	5044	-24.1211	141.8639	0.4326	0.952613	-21.1549	7760.655
45044_5045	45044	5045	24.12113	-129.947	-0.4326	-0.95261	16.00043	-6138.8
45045_5045	45045	5045	-24.1211	129.9475	0.430238	0.512925	-16.0004	6138.802
45045_5046	45045	5046	24.12113	-118.04	-0.43024	-0.51293	10.87196	-4660.33
45046_5046	45046	5046	-24.1224	92.37218	-0.08663	-1.88816	-10.872	4660.385
45046_5047	45046	5047	24.12244	-80.4589	0.086625	1.888163	11.91146	-3629.28
45047_5047	45047	5047	-24.1238	80.45888	-0.04856	3.923325	-11.9115	3629.273
45047_5048	45047	5048	24.12375	-68.555	0.048563	-3.92333	12.49054	-2741.13
45048_5048	45048	5048	-24.1266	42.85916	-0.59719	-0.66675	-12.4905	2741.14
45048_5049	45048	5049	24.12664	-30.9474	0.597188	0.66675	19.60534	-2300.9
45049_5049	45049	5049	-24.1269	30.94744	-0.55676	3.177825	-19.6053	2300.894
45049_5050	45049	5050	24.1269	-19.0373	0.556763	-3.17783	26.23766	-2002.79
45050_5050	45050	5050	-24.1135	-4.57301	1.572113	0.003675	-26.2377	2002.762
45050_5051	45050	5051	24.11351	20.26001	-1.57211	-0.00368	1.537988	-2527.48
45051_5051	45051	5051	-23.9403	-20.4608	1.607025	3.273375	-1.51226	2530.213
45051_5052	45051	5052	23.87096	28.70438	-1.60703	-3.27338	-11.7495	-2547.31
45052_5052	45052	5052	-22.6404	-60.2073	-0.20738	-1.72673	11.68309	2547.293
45052_5053	45052	5053	22.35371	71.93471	0.207375	1.726725	-9.23895	-3274.67
45053_5053	45053	5053	-23.7216	-65.0848	-0.16144	3.863475	-1.24058	2621.786
45053_5054	45053	5054	23.079	77.97799	0.161438	-3.86348	3.381788	-3564.07
45054_5054	45054	5054	-19.3344	-102.731	-0.1155	-2.63655	-3.77659	3563.994
45054_5055	45054	5055	18.42409	114.9031	0.1155	2.63655	5.233725	-4907.21
45055_5055	45055	5055	-15.4311	-115.343	-0.07219	5.210888	-4.52314	4907.212
45055_5056	45055	5056	14.20256	127.5133	0.072188	-5.21089	5.445038	-6448.42
45056_5056	45056	5056	-593.264	133.3238	1.179675	1.740375	-78.1263	3098.057
45056_5057	45056	5057	593.2642	-124.08	-1.17968	-1.74038	66.92779	-1845.53
45057_5057	45057	5057	-593.265	124.0803	0.94185	0.952613	-66.9278	1813.634
45057_5058	45057	5058	593.2652	-116.538	-0.94185	-0.95261	59.62241	-881.288
45058_5058	45058	5058	-593.263	116.5377	1.7052	2.085563	-59.6224	881.285
45058_5059	45058	5059	593.2629	-108.995	-1.7052	-2.08556	46.40318	-7.47075
45059_5059	45059	5059	-593.267	86.85915	-0.82346	2.493488	-46.4032	7.466288
45059_5060	45059	5060	593.2673	-79.0642	0.823463	-2.49349	53.00374	657.021
45060_5060	45060	5060	-593.268	79.06421	0.605325	0.91035	-53.0037	-657.025
45060_5061	45060	5061	593.2679	-71.2777	-0.60533	-0.91035	48.17505	1258.26
45061_5061	45061	5061	-593.268	71.27768	0.605325	0.91035	-48.1751	-1258.26
45061_5062	45061	5062	593.2679	-63.4938	-0.60533	-0.91035	43.34505	1797.228
45062_5062	45062	5062	-593.267	40.5552	1.245825	3.162863	-43.3451	-1797.22

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45062_5063	45062	5063	593.2671	-34.712	-1.24583	-3.16286	35.86538	2023.153
45063_5063	45063	5063	-593.267	34.71195	1.17915	3.387563	-35.8654	-2023.15
45063_5064	45063	5064	593.2671	-28.8782	-1.17915	-3.38756	28.78969	2213.715
45064_5064	45064	5064	-593.264	28.87815	2.232825	-0.53734	-28.7897	-2213.71
45064_5065	45064	5065	593.2644	-23.0365	-2.23283	0.537338	15.39064	2369.529
45065_5065	45065	5065	-593.264	23.03648	2.232825	-0.53734	-15.3906	-2369.53
45065_5066	45065	5066	593.2644	-17.1932	-2.23283	0.537338	1.990013	2490.269
45066_5066	45066	5066	-593.268	-6.16875	1.84695	2.289525	-1.99001	-2490.25
45066_5067	45066	5067	593.2684	13.9524	-1.84695	-2.28953	-12.7777	2409.801
45067_5067	45067	5067	-593.268	-13.9524	1.84695	2.289525	12.77771	-2409.8
45067_5068	45067	5068	593.2684	21.73605	-1.84695	-2.28953	-27.5457	2267.116
45068_5068	45068	5068	-593.265	-21.7361	2.634188	-0.7182	27.5457	-2267.12
45068_5069	45068	5069	593.2655	29.52758	-2.63419	0.7182	-48.6273	2061.92
45069_5069	45069	5069	-593.261	-51.1161	3.294638	2.54205	48.62734	-2061.94
45069_5070	45069	5070	593.2605	58.65405	-3.29464	-2.54205	-74.1381	1636.854
45070_5070	45070	5070	-593.255	-58.6541	4.105763	0.304763	74.13814	-1636.85
45070_5071	45070	5071	593.2547	66.20276	-4.10576	-0.30476	-105.97	1152.771
45071_5071	45071	5071	-593.252	-66.2028	4.456988	-0.04489	105.9702	-1108.01
45071_5072	45071	5072	593.2516	75.44513	-4.45699	0.044887	-148.307	439.7392
45072_5072	45072	5072	13.11476	191.3449	0.15015	2.236763	62.81914	2513.539
45072_5073	45072	5073	-11.8815	-179.176	-0.15015	-2.23676	-64.6944	-162.281
45073_5073	45073	5073	7.214813	179.4261	0.1596	0.807975	64.71203	162.2873
45073_5074	45073	5074	-6.30131	-167.258	-0.1596	-0.80797	-66.7073	2032.442
45074_5074	45074	5074	0.709275	139.4161	-1.24373	2.601375	66.53404	-2032.49
45074_5075	45074	5075	-0.06484	-126.516	1.243725	-2.60138	-50.016	3889.837
45075_5075	45075	5075	5.5776	233.5956	-0.32288	19.51609	64.65454	12848.95
45075_5076	45075	5076	-5.30381	-222.457	0.322875	-19.5161	-60.8727	-10089
45076_5076	45076	5076	1.4448	187.9647	0.170363	-5.53376	61.383	10089.45
45076_5077	45076	5077	-1.37865	-180.14	-0.17036	5.533763	-62.79	-8276.67
45077_5077	45077	5077	-0.14227	180.1446	0.171675	4.23675	62.74118	8276.728
45077_5078	45077	5078	0.142275	-166.626	-0.17168	-4.23675	-65.1767	-5804.21
45078_5078	45078	5078	-0.14779	143.4778	-0.96731	-3.54454	65.17665	5804.257
45078_5079	45078	5079	0.147787	-132.846	0.967313	3.544538	-54.317	-4254.76
45079_5079	45079	5079	-0.1491	132.8463	-0.96836	4.033838	54.31703	4254.763
45079_5080	45079	5080	0.1491	-122.212	0.968363	-4.03384	-43.4632	-2824.65
45080_5080	45080	5080	-0.14621	99.61691	-0.28061	-1.44743	43.46318	2824.68
45080_5081	45080	5081	0.146212	-88.9854	0.280613	1.447425	-40.3079	-1767.19
45081_5081	45081	5081	-0.14621	88.9854	-0.2814	1.701	40.30793	1767.191
45081_5082	45081	5082	0.146212	-78.3542	0.2814	-1.701	-37.1569	-829.014
45082_5082	45082	5082	-0.14752	54.50708	-0.47276	-0.05565	37.15688	829.102
45082_5083	45082	5083	0.147525	-43.0883	0.472763	0.05565	-31.4782	-241.42
45083_5083	45083	5083	-0.14752	43.08833	-0.47303	-0.04594	31.47821	241.4197
45083_5084	45083	5084	0.147525	-31.6601	0.473025	0.045938	-25.7938	209.0631
45084_5084	45084	5084	-0.14884	8.196038	-0.42079	-0.05591	25.79378	-209.063
45084_5085	45084	5085	0.148837	2.433638	0.420788	0.055912	-21.0627	241.3638
45085_5085	45085	5085	-0.14884	-2.43364	-0.42315	-0.48746	21.06274	-241.362
45085_5086	45085	5086	0.148837	13.06331	0.42315	0.487463	-16.3359	154.5009
45086_5086	45086	5086	-0.15015	-35.8898	-0.88253	-0.53392	16.3359	-154.54
45086_5087	45086	5087	0.15015	46.51815	0.882525	0.533925	-6.43755	-307.37
45087_5087	45087	5087	-0.15172	-46.5182	-0.88226	0.024412	6.43755	307.3704
45087_5088	45087	5088	0.151725	57.15701	0.882263	-0.02441	3.4671	-888.956
45088_5088	45088	5088	-0.1428	-77.4265	0.842888	-1.42721	-3.4671	889.0145

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45088_5089	45088	5089	0.1428	90.43598	-0.84289	1.427213	-8.09209	-2203.9
45089_5089	45089	5089	0.639975	-90.4341	0.842625	0.954713	8.10075	2203.874
45089_5090	45089	5090	-0.7077	98.25375	-0.84263	-0.95471	-15.0473	-3044.13
45090_5090	45090	5090	3.055238	-127.259	-1.11274	-5.20931	14.9142	3044.096
45090_5091	45090	5091	-3.33401	138.3979	1.112738	5.209313	-1.85115	-4467.25
45091_5091	45091	5091	3.159975	-131.705	-1.07993	3.460538	-4.62158	3932.51
45091_5092	45091	5092	-3.77423	143.955	1.079925	-3.46054	18.94909	-5797.43
45092_5092	45092	5092	9.184088	-168.043	-0.21656	-3.88028	-19.4444	5797.343
45092_5093	45092	5093	-10.0548	179.5962	0.216563	3.880275	22.15395	-8019.41
45093_5093	45093	5093	14.71785	-179.275	-0.21263	3.166275	-21.5917	8019.413
45093_5094	45093	5094	-15.8912	190.8372	0.212625	-3.16628	24.27521	-10188.6
45094_5094	45094	5094	-785.359	112.2471	-1.23349	-1.53143	-17.5392	3640.995
45094_5095	45094	5095	785.3588	-103.468	1.233488	1.531425	29.25143	-2616.88
45095_5095	45095	5095	-785.36	103.4681	-0.91245	-0.42814	-29.2514	2585.418
45095_5096	45095	5096	785.3604	-96.3002	0.91245	0.428138	36.33473	-1810.92
45096_5096	45096	5096	-785.359	96.30023	0.06615	1.83435	-36.3347	1810.915
45096_5097	45096	5097	785.3591	-89.1403	-0.06615	-1.83435	35.81183	-1092.92
45097_5097	45097	5097	-785.368	67.93789	0.285338	-0.18375	-35.8118	1092.875
45097_5098	45097	5098	785.3682	-60.5385	-0.28534	0.18375	33.52519	-578.743
45098_5098	45098	5098	-785.368	60.53854	0.285338	-0.18375	-33.5252	578.7432
45098_5099	45098	5099	785.3682	-53.1392	-0.28534	0.18375	31.23855	-123.836
45099_5099	45099	5099	-785.367	53.13919	1.239263	-0.03334	-31.2386	123.8346
45099_5100	45099	5100	785.3669	-45.7493	-1.23926	0.033338	21.34099	271.3783
45100_5100	45100	5100	-785.365	23.66753	1.676325	-1.04081	-21.341	-271.375
45100_5101	45100	5101	785.3654	-18.1172	-1.67633	1.040813	11.27543	396.7732
45101_5101	45101	5101	-785.361	18.11723	2.9841	-1.70258	-11.2754	-396.772
45101_5102	45101	5102	785.3609	-12.5672	-2.9841	1.702575	-6.63941	488.8587
45102_5102	45102	5102	-785.364	12.56719	-2.24674	1.555313	6.639413	-488.859
45102_5103	45102	5103	785.3635	-7.01689	2.246738	-1.55531	6.844425	547.6472
45103_5103	45103	5103	-785.367	7.016888	-0.98096	0.673575	-6.84443	-547.649
45103_5104	45103	5104	785.3667	-1.47735	0.980963	-0.67358	12.71865	573.1008
45104_5104	45104	5104	-785.367	-20.7611	-0.27536	0.224963	-12.7187	-573.099
45104_5105	45104	5105	785.3667	28.16205	0.275363	-0.22496	14.9226	377.3125
45105_5105	45105	5105	-785.365	-28.1621	0.675675	-0.23179	-14.9226	-377.311
45105_5106	45105	5106	785.3654	35.55195	-0.67568	0.231788	9.521663	122.6634
45106_5106	45106	5106	-785.365	-35.552	0.704813	-0.23678	-9.52166	-122.663
45106_5107	45106	5107	785.3654	42.9513	-0.70481	0.236775	3.876338	-191.49
45107_5107	45107	5107	-785.365	-63.8707	1.468425	-0.60086	-3.87634	191.504
45107_5108	45107	5108	785.3648	71.03854	-1.46843	0.600863	-7.51905	-714.494
45108_5108	45108	5108	-785.365	-71.0385	1.440863	-0.62738	7.51905	714.4935
45108_5109	45108	5109	785.3648	78.19823	-1.44086	0.627375	-18.6753	-1292.27
45109_5109	45109	5109	-785.362	-78.1982	2.26905	0.857325	18.6753	1334.153
45109_5110	45109	5110	785.3619	86.98384	-2.26905	-0.85733	-40.2415	-2140.25
45110_5110	45110	5110	20.25004	218.4641	-0.03911	-4.05799	17.77571	8493.676
45110_5111	45110	5111	-19.0722	-206.904	0.039113	4.057988	-17.294	-5793.77
45111_5111	45111	5111	13.68596	207.3288	-0.03465	4.526025	16.50023	5793.771
45111_5112	45111	5112	-12.815	-195.778	0.03465	-4.52603	-16.0603	-3243.18
45112_5112	45112	5112	6.572213	169.6868	-0.01313	-1.85404	16.46794	3243.236
45112_5113	45112	5113	-5.95613	-157.435	0.013125	1.854038	-16.3131	-1071.83
45113_5113	45113	5113	14.3808	266.501	0.329438	15.88729	2.487188	17906.3
45113_5114	45113	5114	-14.1086	-255.654	-0.32944	-15.8873	-6.35539	-14744.8
45114_5114	45114	5114	9.619575	222.8465	0.4074	-1.7682	6.769613	14745.29

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45114_5115	45114	5115	-9.55343	-215.241	-0.4074	1.7682	-10.122	-13886.6
45115_5115	45115	5115	7.6881	215.3143	0.40425	1.486275	10.10678	13886.23
45115_5116	45115	5116	-7.6881	-202.169	-0.40425	-1.48628	-15.8723	-9537.01
45116_5116	45116	5116	7.686788	177.0778	-0.82294	-2.89721	15.87233	9537.019
45116_5117	45116	5117	-7.68679	-166.727	0.822938	2.897213	-6.66278	-7609.65
45117_5117	45117	5117	7.6881	166.7271	-0.82793	3.889725	6.662775	7609.654
45117_5118	45117	5118	-7.6881	-156.381	0.827925	-3.88973	2.626838	-5798.34
45118_5118	45118	5118	7.6881	134.4719	0.397425	-1.25633	-2.62684	5798.347
45118_5119	45118	5119	-7.6881	-124.125	-0.39743	1.256325	-1.81493	-4348.71
45119_5119	45119	5119	7.6881	124.1255	0.388238	2.622113	1.814925	4348.709
45119_5120	45119	5120	-7.6881	-113.779	-0.38824	-2.62211	-6.18083	-3015.1
45120_5120	45120	5120	7.689413	90.3882	-0.35648	-1.68683	6.180825	3015.102
45120_5121	45120	5121	-7.68941	-79.2656	0.356475	1.686825	-1.89761	-1992.82
45121_5121	45121	5121	7.686525	79.26555	-0.37433	3.251325	1.897613	1992.817
45121_5122	45121	5122	-7.68653	-68.1537	0.374325	-3.25133	2.611875	-1105.29
45122_5122	45122	5122	7.686525	45.38835	0.045938	0.462525	-2.61188	1105.29
45122_5123	45122	5123	-7.68653	-35.0406	-0.04594	-0.46253	2.090288	-654.456
45123_5123	45123	5123	7.686525	35.0406	0.039375	1.046588	-2.09029	654.4555
45123_5124	45123	5124	-7.68653	-24.6944	-0.03938	-1.04659	1.645875	-319.623
45124_5124	45124	5124	7.6881	3.01035	-0.12206	0.366712	-1.64588	319.568
45124_5125	45124	5125	-7.6881	7.334512	0.122063	-0.36671	3.020325	-343.811
45125_5125	45125	5125	7.686788	-7.33451	-0.13624	0.979388	-3.02033	343.8083
45125_5126	45125	5126	-7.68679	17.68358	0.136238	-0.97939	4.547813	-484.039
45126_5126	45126	5126	7.686263	-36.189	0.00525	-0.06458	-4.54781	483.9928
45126_5127	45126	5127	-7.68626	48.80636	-0.00525	0.064575	4.471425	-1064.95
45127_5127	45127	5127	8.09865	-48.7381	-0.00499	1.309613	-4.46119	1066.954
45127_5128	45127	5128	-8.16191	56.35324	0.004987	-1.30961	4.493738	-1500.49
45128_5128	45128	5128	9.72615	-82.8395	0.460425	-2.35699	-4.56435	1500.399
45128_5129	45128	5129	-9.9939	93.68625	-0.46043	2.356988	-0.8547	-2715.46
45129_5129	45129	5129	3.450825	-86.8907	0.5922	2.754675	6.481125	1984.593
45129_5130	45129	5130	-4.08398	99.5379	-0.5922	-2.75468	-14.3396	-3215.07
45130_5130	45130	5130	8.407875	-123.618	-1.61936	-1.53011	14.11016	3214.982
45130_5131	45130	5131	-9.30563	135.5487	1.619363	1.530113	6.188438	-4857.19
45131_5131	45131	5131	12.84911	-135.258	-1.61858	2.3877	-5.84509	4857.187
45131_5132	45131	5132	-14.0619	147.1903	1.618575	-2.3877	26.18254	-6684.83
45132_5132	45132	5132	-608.079	117.0758	6.575888	3.147113	-76.0418	2936.67
45132_5133	45132	5133	608.0789	-108.01	-6.57589	-3.14711	13.57099	-1781.97
45133_5133	45133	5133	-608.069	108.0098	7.361288	3.86085	-13.571	1650.857
45133_5134	45133	5134	608.0692	-100.612	-7.36129	-3.86085	-43.4763	-842.444
45134_5134	45134	5134	-608.114	100.6123	-0.47539	-6.99773	43.4763	842.4237
45134_5135	45134	5135	608.1135	-93.2064	0.475388	6.997725	-39.779	-90.3596
45135_5135	45135	5135	-608.11	69.17085	-1.30436	-0.09109	39.77899	90.50318
45135_5136	45135	5136	608.1099	-61.5353	1.304363	0.091088	-29.3528	432.3564
45136_5136	45136	5136	-608.113	61.53525	-0.54259	-0.63	29.35275	-432.355
45136_5137	45136	5137	608.1128	-53.8997	0.542588	0.63	-25.006	894.116
45137_5137	45137	5137	-608.111	53.89965	-1.31276	0.4998	25.00601	-894.116
45137_5138	45137	5138	608.1112	-46.2735	1.312763	-0.4998	-14.5233	1294.326
45138_5138	45138	5138	-608.121	22.17626	-0.40976	1.176788	14.52334	-1294.39
45138_5139	45138	5139	608.1206	-16.4496	0.409763	-1.17679	-12.0705	1410.282
45139_5139	45139	5139	-608.122	16.44956	0.604275	-1.17259	12.07054	-1410.28
45139_5140	45139	5140	608.1222	-10.7229	-0.60428	1.172588	-15.6983	1491.804
45140_5140	45140	5140	-608.121	10.72286	-0.40976	1.312238	15.69829	-1491.8

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45140_5141	45140	5141	608.1206	-4.99616	0.409763	-1.31224	-13.2455	1538.964
45141_5141	45141	5141	-608.122	4.996163	0.604275	-1.25239	13.24549	-1538.96
45141_5142	45141	5142	608.1222	0.7308	-0.60428	1.252388	-16.8732	1551.758
45142_5142	45142	5142	-608.117	-24.3852	-0.54311	0.015225	16.87324	-1551.83
45142_5143	45142	5143	608.1175	32.0208	0.543113	-0.01523	-12.5234	1326.189
45143_5143	45143	5143	-608.117	-32.0208	-0.54311	0.015225	12.52335	-1326.19
45143_5144	45143	5144	608.1175	39.6564	0.543113	-0.01523	-8.17373	1039.457
45144_5144	45144	5144	-608.117	-39.6564	-0.54311	0.015225	8.173725	-1039.46
45144_5145	45144	5145	608.1175	47.29489	0.543113	-0.01523	-3.82384	691.6308
45145_5145	45145	5145	-608.127	-68.995	0.354375	0.321563	3.823838	-691.679
45145_5146	45145	5146	608.1275	76.39275	-0.35438	-0.32156	-6.56749	128.2672
45146_5146	45146	5146	-608.127	-76.3928	0.354375	0.321563	6.567487	-128.267
45146_5147	45146	5147	608.1275	83.79026	-0.35438	-0.32156	-9.31271	-492.476
45147_5147	45147	5147	-608.126	-83.7903	-0.41081	-0.37616	9.312713	607.1381
45147_5148	45147	5148	608.1259	92.85911	0.410813	0.376163	-5.41748	-1446.28
45148_5148	45148	5148	25.01441	181.9233	0.120225	-1.12823	-3.01508	4910.439
45148_5149	45148	5149	-23.8064	-169.993	-0.12023	1.128225	1.513838	-2699.57
45149_5149	45149	5149	19.35938	170.5552	0.114188	1.065225	-1.70389	2699.567
45149_5150	45149	5150	-18.4635	-158.626	-0.11419	-1.06523	0.273263	-636.299
45150_5150	45150	5150	13.18013	132.5814	-0.00578	-0.24203	-0.18165	636.2934
45150_5151	45150	5151	-12.5501	-119.935	0.005775	0.242025	0.25095	1038.826
45151_5151	45151	5151	6.774075	241.9035	0.092138	2.615025	-3.05629	14718.3
45151_5152	45151	5152	-6.489	-230.207	-0.09214	-2.61503	1.976625	-11943.7
45152_5152	45152	5152	2.517638	196.0277	-0.04883	0.026775	-1.91074	11943.61
45152_5153	45152	5153	-2.4486	-187.816	0.048825	-0.02678	2.307375	-10360.1
45153_5153	45153	5153	0.87045	187.8287	-0.04725	-0.03124	-2.30711	10360.2
45153_5154	45153	5154	-0.87045	-174.151	0.04725	0.031238	2.965463	-7873.24
45154_5154	45154	5154	0.867562	148.5698	0.045413	0.2037	-2.96546	7873.245
45154_5155	45154	5155	-0.86756	-137.619	-0.04541	-0.2037	2.473013	-6299.12
45155_5155	45155	5155	0.867562	137.6188	0.045413	0.2037	-2.47301	6299.119
45155_5156	45155	5156	-0.86756	-126.669	-0.04541	-0.2037	1.980563	-4845.45
45156_5156	45156	5156	0.871762	104.1167	-0.21263	0.35595	-1.98056	4845.454
45156_5157	45156	5157	-0.87176	-94.1517	0.212625	-0.35595	4.10865	-3853.06
45157_5157	45157	5157	0.871762	94.15166	-0.21263	0.315	-4.10865	3853.058
45157_5158	45157	5158	-0.87176	-84.199	0.212625	-0.315	6.234375	-2961.26
45158_5158	45158	5158	0.869138	62.65061	-0.01785	1.57815	-6.23438	2961.172
45158_5159	45158	5159	-0.86914	-52.6859	0.01785	-1.57815	6.407363	-2383.89
45159_5159	45159	5159	0.869138	52.68585	-0.01706	-0.80404	-6.40736	2383.888
45159_5160	45159	5160	-0.86914	-42.7221	0.017063	0.804038	6.573	-1906.35
45160_5160	45160	5160	0.862312	19.91378	0.455175	0.368025	-6.573	1906.359
45160_5161	45160	5161	-0.86231	-8.9628	-0.45518	-0.36803	1.563713	-1747.54
45161_5161	45161	5161	0.862312	8.9628	0.455175	0.368025	-1.56371	1747.537
45161_5162	45161	5162	-0.86231	1.9866	-0.45518	-0.36803	-3.44426	-1709.17
45162_5162	45162	5162	0.87675	-22.5537	-0.93765	-0.27563	3.444263	1709.239
45162_5163	45162	5163	-0.87675	36.22973	0.93765	0.275625	9.4353	-2113.1
45163_5163	45163	5163	1.177838	-36.2213	-0.93791	1.302	-9.42585	2113.048
45163_5164	45163	5164	-1.24425	44.43338	0.937913	-1.302	17.1654	-2445.78
45164_5164	45164	5164	2.624213	-73.3367	0.793013	1.776338	-17.1376	2445.767
45164_5165	45164	5165	-2.90614	85.03268	-0.79301	-1.77634	7.816725	-3376.5
45165_5165	45165	5165	2.164313	-75.3304	0.642338	-1.21249	-7.40696	2513.208
45165_5166	45165	5166	-2.83999	89.02031	-0.64234	1.212488	-1.11956	-3603.42
45166_5166	45166	5166	6.852825	-113.154	-0.14543	-1.94513	1.036875	3603.473

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45166_5167	45166	5167	-7.81331	126.0704	0.145425	1.945125	0.79275	-5102.82
45167_5167	45167	5167	11.09745	-125.823	-0.1449	2.137275	-0.43418	5102.824
45167_5168	45167	5168	-12.3953	138.7391	0.1449	-2.13728	2.2533	-6764.75
45168_5168	45168	5168	-612.743	130.2612	0.061687	-1.08596	-8.34173	3213.067
45168_5169	45168	5169	612.7427	-120.446	-0.06169	1.085963	7.76055	-2022.13
45169_5169	45169	5169	-612.743	120.4458	0.822413	1.2453	-7.76055	1886.765
45169_5170	45169	5170	612.7427	-112.448	-0.82241	-1.2453	1.3923	-985.419
45170_5170	45170	5170	-612.744	112.4479	0.041475	-0.01365	-1.3923	985.4195
45170_5171	45170	5171	612.744	-104.441	-0.04148	0.01365	1.0773	-144.921
45171_5171	45171	5171	-612.736	79.92863	0.68775	-0.41344	-1.0773	144.8472
45171_5172	45171	5172	612.7364	-71.663	-0.68775	0.413438	-4.43153	461.5503
45172_5172	45172	5172	-612.736	71.66303	-0.07639	0.164325	4.431525	-461.55
45172_5173	45172	5173	612.7364	-63.3974	0.076387	-0.16433	-3.81439	1001.824
45173_5173	45173	5173	-612.736	63.39743	-0.07639	0.164325	3.814388	-1001.82
45173_5174	45173	5174	612.7364	-55.1318	0.076387	-0.16433	-3.19568	1475.965
45174_5174	45174	5174	-612.739	29.74099	0.833438	-1.41409	3.195675	-1476.03
45174_5175	45174	5175	612.7391	-23.5418	-0.83344	1.414088	-8.19709	1635.896
45175_5175	45175	5175	-612.739	23.54179	-0.18769	1.31145	8.197088	-1635.9
45175_5176	45175	5176	612.7391	-17.3439	0.187688	-1.31145	-7.06808	1758.564
45176_5176	45176	5176	-612.739	17.3439	0.833438	-1.61884	7.068075	-1758.56
45176_5177	45176	5177	612.7391	-11.1447	-0.83344	1.618838	-12.0653	1844.031
45177_5177	45177	5177	-612.739	11.1447	-0.18769	1.4532	12.06529	-1844.03
45177_5178	45177	5178	612.7391	-4.9455	0.187688	-1.4532	-10.9379	1892.299
45178_5178	45178	5178	-612.746	-20.7477	0.499013	0.484838	10.93785	-1892.37
45178_5179	45178	5179	612.7459	29.01491	-0.49901	-0.48484	-14.9305	1693.306
45179_5179	45179	5179	-612.746	-29.0149	0.499013	0.484838	14.93048	-1693.31
45179_5180	45179	5180	612.7459	37.28051	-0.49901	-0.48484	-18.9215	1428.112
45180_5180	45180	5180	-612.744	-37.2805	1.264725	-1.30069	18.92153	-1428.11
45180_5181	45180	5181	612.7443	45.54611	-1.26473	1.300688	-29.0385	1096.785
45181_5181	45181	5181	-612.74	-68.7023	-0.31815	0.339413	29.03854	-1096.79
45181_5182	45181	5182	612.7398	76.70959	0.31815	-0.33941	-26.5763	533.2751
45182_5182	45182	5182	-612.74	-76.7096	0.473813	-0.34808	26.57629	-533.274
45182_5183	45182	5183	612.7398	84.71846	-0.47381	0.348075	-30.2413	-92.2947
45183_5183	45183	5183	-612.74	-84.7185	-0.29663	-0.51713	30.24131	201.0115
45183_5184	45183	5184	612.7398	94.53386	0.296625	0.517125	-27.4208	-1073.57
45184_5184	45184	5184	26.7981	184.6325	-0.18585	0.91035	26.24738	4386.954
45184_5185	45184	5185	-25.5098	-171.718	0.18585	-0.91035	-23.9059	-2124.44
45185_5185	45185	5185	21.03911	172.3221	-0.17929	-1.35739	24.04028	2124.439
45185_5186	45185	5186	-20.0865	-159.404	0.179288	1.357388	-21.7865	17.13484
45186_5186	45186	5186	14.7903	132.0884	-0.16459	0.50925	21.63079	-17.0347
45186_5187	45186	5187	-14.1209	-118.397	0.164588	-0.50925	-19.4507	1812.165
45187_5187	45187	5187	24.97635	243.5732	-0.7917	-4.39871	1.082813	15288
45187_5188	45187	5188	-24.6771	-231.025	0.7917	4.398713	8.225175	-12275.6
45188_5188	45188	5188	20.75351	194.1915	0.3276	-0.91429	-8.31915	12275.76
45188_5189	45188	5189	-20.6813	-185.392	-0.3276	0.914288	5.61645	-9802.41
45189_5189	45189	5189	19.15935	185.5565	0.327338	-0.7938	-5.62328	9805.714
45189_5190	45189	5190	-19.1594	-170.873	-0.32734	0.7938	1.117725	-7355.13
45190_5190	45190	5190	19.16198	145.9101	0.195563	-0.83449	-1.11773	7355.133
45190_5191	45190	5191	-19.162	-134.162	-0.19556	0.834488	-1.02874	-5814.64
45191_5191	45191	5191	19.16198	134.1624	0.195563	-0.83449	1.028738	5814.641
45191_5192	45191	5192	-19.162	-122.416	-0.19556	0.834488	-3.17651	-4403.37
45192_5192	45192	5192	19.18403	98.42516	-1.9845	-0.4956	3.176513	4403.381

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45192_5193	45192	5193	-19.184	-87.7246	1.9845	0.4956	16.69841	-3470.72
45193_5193	45193	5193	19.18403	87.72461	-1.98319	-0.45833	-16.6984	3470.715
45193_5194	45193	5194	-19.184	-77.013	1.983188	0.458325	36.59618	-2644.5
45194_5194	45194	5194	19.1499	53.65159	0.280088	-0.35595	-36.5962	2644.437
45194_5195	45194	5195	-19.1499	-42.94	-0.28009	0.35595	33.78165	-2160.01
45195_5195	45195	5195	19.1499	42.94001	0.280088	-0.35595	-33.7817	2160.007
45195_5196	45195	5196	-19.1499	-32.2284	-0.28009	0.35595	30.96713	-1783.02
45196_5196	45196	5196	19.15935	7.435575	-0.25909	-0.20974	-30.9671	1783.014
45196_5197	45196	5197	-19.1594	4.312088	0.259088	0.209738	33.80974	-1765.83
45197_5197	45197	5197	19.15935	-4.31209	-0.25909	-0.20974	-33.8097	1765.834
45197_5198	45197	5198	-19.1594	16.05844	0.259088	0.209738	36.65524	-1877.88
45198_5198	45198	5198	19.16775	-38.6164	-0.89119	0.07875	-36.6552	1877.879
45198_5199	45198	5199	-19.1678	53.29065	0.891188	-0.07875	48.88275	-2584.59
45199_5199	45199	5199	19.5993	-53.1321	-0.88988	0.2961	-48.8814	2580.205
45199_5200	45199	5200	-19.6718	61.94265	0.889875	-0.2961	56.22698	-3069.18
45200_5200	45200	5200	21.378	-94.5488	0.276413	0.273525	-56.2367	3069.079
45200_5201	45200	5201	-21.6754	107.0969	-0.27641	-0.27353	52.97145	-4289.69
45201_5201	45201	5201	20.26185	-96.2903	0.210525	0.7854	-58.6535	3297.662
45201_5202	45201	5202	-20.9753	111.0244	-0.21053	-0.7854	55.85921	-4668.31
45202_5202	45202	5202	25.69665	-138.186	-0.61451	2.977013	-55.7616	4668.243
45202_5203	45202	5203	-26.7078	152.0854	0.614513	-2.97701	63.45623	-6459.75
45203_5203	45203	5203	30.58335	-151.355	-0.60113	-0.49481	-63.8605	6459.751
45203_5204	45203	5204	-31.9536	165.2535	0.601125	0.494813	71.41575	-8468.14
45204_5204	45204	5204	-686.816	138.1658	2.330213	2.382713	-130.077	4012.229
45204_5205	45204	5205	686.8163	-127.602	-2.33021	-2.38271	107.9285	-2710.02
45205_5205	45205	5205	-686.819	127.6023	1.585763	-1.02401	-107.928	2509.704
45205_5206	45205	5206	686.8189	-118.985	-1.58576	1.024013	95.64555	-1554.11
45206_5206	45206	5206	-686.816	118.9852	2.471438	0.980438	-95.6456	1554.111
45206_5207	45206	5207	686.8163	-110.366	-2.47144	-0.98044	76.49434	-665.326
45207_5207	45207	5207	-686.791	84.82163	0.197138	1.4406	-76.4943	665.338
45207_5208	45207	5208	686.7914	-75.926	-0.19714	-1.4406	74.90726	-22.3052
45208_5208	45208	5208	-686.791	75.92603	0.197138	1.4406	-74.9073	22.30515
45208_5209	45208	5209	686.7914	-67.0289	-0.19714	-1.4406	73.3215	549.5548
45209_5209	45209	5209	-686.791	67.02885	0.197138	1.4406	-73.3215	-549.555
45209_5210	45209	5210	686.7914	-58.1346	-0.19714	-1.4406	71.73574	1050.241
45210_5210	45210	5210	-686.821	31.73783	3.045525	0.770175	-71.7357	-1050.24
45210_5211	45210	5211	686.821	-25.0632	-3.04553	-0.77018	53.46101	1220.652
45211_5211	45211	5211	-686.827	25.06324	1.902338	2.804288	-53.461	-1220.65
45211_5212	45211	5212	686.8265	-18.3929	-1.90234	-2.80429	42.05408	1351.031
45212_5212	45212	5212	-686.821	18.39285	3.045525	0.551775	-42.0541	-1351.04
45212_5213	45212	5213	686.821	-11.7212	-3.04553	-0.55178	23.77909	1441.381
45213_5213	45213	5213	-686.827	11.72115	1.902338	2.95365	-23.7791	-1441.38
45213_5214	45213	5214	686.8265	-5.04945	-1.90234	-2.95365	12.37241	1491.69
45214_5214	45214	5214	-686.834	-21.3027	2.5515	2.408438	-12.3724	-1491.64
45214_5215	45214	5215	686.8336	30.19853	-2.5515	-2.40844	-8.04746	1285.614
45215_5215	45215	5215	-686.829	-30.1985	3.409875	0.802463	8.047463	-1285.62
45215_5216	45215	5216	686.8292	39.09413	-3.40988	-0.80246	-35.3341	1008.426
45216_5216	45216	5216	-686.834	-39.0941	2.5515	2.061413	35.33408	-1008.42
45216_5217	45216	5217	686.8336	47.98973	-2.5515	-2.06141	-55.7511	660.0544
45217_5217	45217	5217	-686.788	-72.2374	0.000788	-1.01588	55.75106	-660.062
45217_5218	45217	5218	686.7885	80.84344	-0.00079	1.015875	-55.7555	67.6032
45218_5218	45218	5218	-686.789	-80.8434	0.896438	-1.10355	55.75553	-67.6021

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45218_5219	45218	5219	686.7887	89.46158	-0.89644	1.10355	-62.705	-592.365
45219_5219	45219	5219	-686.769	-89.4616	5.093288	3.729338	62.70495	755.8937
45219_5220	45219	5220	686.7688	100.0238	-5.09329	-3.72934	-111.099	-1655.96
45220_5220	45220	5220	24.80861	208.8734	0.680663	-1.11615	11.91094	5574.223
45220_5221	45220	5221	-23.4525	-194.974	-0.68066	1.11615	-20.4726	-3038.13
45221_5221	45221	5221	18.49418	195.5069	0.668063	8.059538	19.74026	3038.123
45221_5222	45221	5222	-17.4925	-181.607	-0.66806	-8.05954	-28.1072	-681.714
45222_5222	45222	5222	11.65185	150.895	5.308013	-3.46211	28.81148	681.7536
45222_5223	45222	5223	-10.9463	-136.161	-5.30801	3.462113	-99.2153	1241.354
45223_5223	45223	5223	5.737725	265.434	5.305913	45.35213	122.3434	15447.45
45223_5224	45223	5224	-5.41826	-251.664	-5.30591	-45.3521	-184.708	-12745.6
45224_5224	45224	5224	1.144763	210.5943	-5.03291	-20.8756	185.8812	12746.57
45224_5225	45224	5225	-1.06759	-200.924	5.032913	20.87558	-144.349	-10558.5
45225_5225	45225	5225	-0.55335	200.9275	-5.03081	18.52436	144.1766	10558.48
45225_5226	45225	5226	0.55335	-182.829	5.030813	-18.5244	-66.4755	-7595.16
45226_5226	45226	5226	-0.57172	152.1006	1.819125	-9.95873	66.4755	7595.06
45226_5227	45226	5227	0.571725	-138.209	-1.81913	9.958725	-88.0315	-5874.39
45227_5227	45227	5227	-0.56359	138.2091	1.82175	14.80868	88.03148	5874.383
45227_5228	45227	5228	0.563587	-124.318	-1.82175	-14.8087	-109.619	-4318.2
45228_5228	45228	5228	-0.47827	94.82393	-5.03869	-5.30828	109.6187	4317.782
45228_5229	45228	5229	0.478275	-78.2087	5.038688	5.308275	-49.8726	-3292.01
45229_5229	45229	5229	-0.49875	78.20873	-5.03606	8.564325	49.87264	3292
45229_5230	45229	5230	0.49875	-61.5891	5.036063	-8.56433	9.857138	-2463.13
45230_5230	45230	5230	-0.6132	32.23789	-0.86704	-5.2962	-9.85714	2462.591
45230_5231	45230	5231	0.6132	-15.1547	0.867038	5.2962	20.4225	-2173.74
45231_5231	45231	5231	-0.61661	15.15465	-0.86573	1.829625	-20.4225	2173.749
45231_5232	45231	5232	0.616612	1.93305	0.865725	-1.82963	30.96686	-2093.16
45232_5232	45232	5232	-1.24451	-35.2191	26.36419	-4.40318	-30.9669	2092.904
45232_5233	45232	5233	1.244512	48.09945	-26.3642	4.403175	-211.339	-2574.81
45233_5233	45233	5233	-0.88699	-48.1071	26.36629	-2.11313	211.3285	2574.814
45233_5234	45233	5234	0.824512	57.7605	-26.3663	2.113125	-392.956	-2954.06
45234_5234	45234	5234	-0.12574	-57.7655	26.36918	0.133613	393.0229	2954.049
45234_5235	45234	5235	-0.06641	68.61304	-26.3692	-0.13361	-597.162	-3462.87
45235_5235	45235	5235	3.180713	-90.5916	-30.2938	-1.92623	597.2424	3463.035
45235_5236	45235	5236	-3.38966	98.11436	30.29381	1.926225	-434.581	-3990
45236_5236	45236	5236	21.05014	-78.1804	-29.8211	-8.17189	320.513	1692.525
45236_5237	45236	5237	-21.5835	90.65333	29.82105	8.171888	-68.2091	-2365.24
45237_5237	45237	5237	22.74458	-90.3585	-29.8549	-4.28138	68.36419	2365.242
45237_5238	45237	5238	-23.2916	100.0836	29.85491	4.281375	128.7332	-3000.29
45238_5238	45238	5238	26.26076	-134.687	-8.67983	-15.3523	-129.717	2999.264
45238_5239	45238	5239	-27.3011	149.2061	8.679825	15.35231	215.3458	-4413.7
45239_5239	45239	5239	34.36046	-147.738	-8.72078	5.069925	-214.617	4413.765
45239_5240	45239	5240	-36.2316	163.3598	8.720775	-5.06993	307.5455	-6028.41
45240_5240	45240	5240	-675.465	160.7852	5.733263	-0.90746	-165.811	3128.625
45240_5241	45240	5241	675.465	-142.657	-5.73326	0.907463	95.38095	-1264.48
45241_5241	45241	5241	-675.435	142.6575	8.5134	3.663975	-95.381	1214.043
45241_5242	45241	5242	675.4351	-134.018	-8.5134	-3.66398	45.53771	-404.166
45242_5242	45242	5242	-675.427	134.0183	9.03315	3.9732	-45.5377	404.165
45242_5243	45242	5243	675.4275	-124.638	-9.03315	-3.9732	-11.8726	417.8412
45243_5243	45243	5243	-674.413	104.7	-7.03369	4.300275	11.87261	-417.788
45243_5244	45243	5244	674.4126	-90.2029	7.033688	-4.30028	57.23498	1375.388
45244_5244	45244	5244	-674.434	90.20288	-4.77094	-0.3171	-57.235	-1375.39

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45244_5245	45244	5245	674.4336	-75.7593	4.770938	0.3171	103.9238	2187.67
45245_5245	45245	5245	-674.45	55.32503	-3.06863	6.8943	-103.924	-2187.05
45245_5246	45245	5246	674.4499	-40.362	3.068625	-6.8943	135.0484	2672.273
45246_5246	45246	5246	-674.456	40.362	-0.78409	-2.15985	-135.048	-2672.28
45246_5247	45246	5247	674.4562	-26.3721	0.784088	2.15985	142.4813	2988.671
45247_5247	45247	5247	-674.556	2.844975	3.318525	6.910313	-142.481	-2987.92
45247_5248	45247	5248	674.5557	10.86855	-3.31853	-6.91031	111.6541	2950.633
45248_5248	45248	5248	-674.544	-10.8686	5.407238	-2.23178	-111.654	-2950.64
45248_5249	45248	5249	674.5436	26.11088	-5.40724	2.231775	55.79385	2759.639
45249_5249	45249	5249	-674.689	-46.3864	11.68493	2.800613	-55.7939	-2759.15
45249_5250	45249	5250	674.6888	61.30635	-11.6849	-2.80061	-62.3763	2214.655
45250_5250	45250	5250	-674.657	-61.3064	13.44026	-2.95234	62.3763	-2214.66
45250_5251	45250	5251	674.657	75.34196	-13.4403	2.952338	-190.205	1564.777
45251_5251	45251	5251	-673.613	-105.096	-16.9635	-16.4745	190.2046	-1565.09
45251_5252	45251	5252	673.6125	114.0211	16.96354	16.4745	-87.6044	902.4839
45252_5252	45252	5252	-673.637	-114.021	-15.9196	-17.8776	87.60439	-902.457
45252_5253	45252	5253	673.6367	123.2577	15.91958	17.87756	12.04298	159.7982
45253_5253	45253	5253	-673.677	-123.258	-14.174	-18.4257	-12.043	-153.331
45253_5254	45253	5254	673.6766	137.2718	14.17395	18.42566	146.658	-1083.88
45254_5254	45254	5254	42.20711	232.654	-37.7924	151.3126	-237.528	3798.241
45254_5255	45254	5255	-41.7932	-228.692	37.79239	-151.313	339.5435	-3207.16
45255_5255	45255	5255	34.26413	200.1707	19.71926	1.364475	-323.31	3203.541
45255_5256	45255	5256	-32.6146	-181.679	-19.7193	-1.36448	75.28264	-785.292
45256_5256	45256	5256	28.87605	182.3191	19.656	5.945625	-75.4417	785.2548
45256_5257	45256	5257	-27.9612	-168.883	-19.656	-5.94563	-103.9	849.2741
45257_5257	45257	5257	23.99513	131.6301	-4.41919	9.184088	103.7206	-849.13
45257_5258	45257	5258	-23.4804	-122.039	4.419188	-9.18409	-74.96	1707.859
45258_5258	45258	5258	21.96364	122.3195	-4.45909	4.320488	75.23093	-1707.86
45258_5259	45258	5259	-21.5085	-111.346	4.459088	-4.32049	-42.0425	2654.215
45259_5259	45259	5259	19.70351	111.678	-4.51001	-1.96088	42.2478	-2646.63
45259_5260	45259	5260	-19.4163	-100.344	4.510013	1.960875	-7.60174	3501.939
45260_5260	45260	5260	-38.8432	39.44483	4.407638	-36.0153	43.66399	12206.09
45260_5261	45260	5261	38.9823	-30.2883	-4.40764	36.01526	-69.7179	-11989.7
45261_5261	45261	5261	-39.2401	29.93419	4.55175	4.501613	69.13463	11989.74
45261_5262	45261	5262	39.30124	-20.007	-4.55175	-4.50161	-98.2821	-11258.8
45262_5262	45262	5262	-39.4183	19.76599	4.595588	17.1822	98.3073	11261.91
45262_5263	45262	5263	39.41831	-0.88095	-4.59559	-17.1822	-154.318	-11136.1
45263_5263	45263	5263	-39.3737	-38.5781	-5.66423	-16.1907	154.3182	11135.74
45263_5264	45263	5264	39.37369	56.2716	5.664225	16.19074	-89.634	-11677.3
45264_5264	45264	5264	-39.3897	-56.2716	-5.55188	17.35178	89.63404	11677.27
45264_5265	45264	5265	39.3897	74.3001	5.551875	-17.3518	-25.0436	-12436.8
45265_5265	45265	5265	-39.4131	-104.411	-5.54111	-28.2833	25.04355	12437.05
45265_5266	45265	5266	39.41306	122.478	5.541113	28.28333	39.5619	-13759.8
45266_5266	45266	5266	-39.4343	-122.478	-5.38571	26.20091	-39.5619	13759.76
45266_5267	45266	5267	39.43433	140.1317	5.385713	-26.2009	100.9124	-15255.7
45267_5267	45267	5267	-39.3663	-171.424	3.328238	-47.7175	-100.912	15256.79
45267_5268	45267	5268	39.36634	189.305	-3.32824	47.71751	62.5233	-17338
45268_5268	45268	5268	-39.3495	-189.305	3.514875	35.17028	-62.5233	17337.99
45268_5269	45268	5269	39.34954	207.1346	-3.51488	-35.1703	22.07914	-19618.7
45269_5269	45269	5269	-39.6212	-237.971	-13.1544	-66.0274	-22.0791	19620.8
45269_5270	45269	5270	39.62123	251.7029	13.1544	66.02741	138.6438	-21790.4
45270_5270	45270	5270	-39.659	-251.703	-13.0394	-2.99723	-138.644	21790.53

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45270_5271	45270	5271	39.65903	265.3765	13.03943	2.997225	253.7162	-25757.1
45271_5271	45271	5271	-38.0061	-265.624	-12.9502	52.44776	-253.389	25759.12
45271_5272	45271	5272	37.94333	275.5426	12.95018	-52.4478	336.2801	-27612.4
45272_5272	45272	5272	-33.8368	-322.118	13.48568	-87.774	-338.137	27615.31
45272_5273	45272	5273	33.65171	333.0133	-13.4857	87.77396	243.3165	-29236.5
45273_5273	45273	5273	-30.0704	-333.351	13.56311	-29.1241	-242.692	29236.6
45273_5274	45273	5274	29.7906	343.497	-13.5631	29.12411	153.8612	-31541.8
45274_5274	45274	5274	-24.0332	-343.945	13.66181	52.74911	-150.816	31551.57
45274_5275	45274	5275	23.26853	361.2171	-13.6618	-52.7491	-1.60073	-35299.8
45275_5275	45275	5275	-16.1031	-400.985	-69.2459	-91.4789	-6.52523	35306.04
45275_5276	45275	5276	15.13785	416.2239	69.24593	91.47889	688.7787	-39452.9
45276_5276	45276	5276	-7.78391	-416.453	-69.0748	77.44328	-677.565	39453.18
45276_5277	45276	5277	6.578512	431.2185	69.07478	-77.4433	1337.728	-43625.7
45277_5277	45277	5277	61.98203	-288.927	26.39989	-73.2656	-512.52	15922.15
45277_5278	45277	5278	-63.1927	301.1487	-26.3999	73.26559	308.1472	-18097.7
45278_5278	45278	5278	-1218.18	226.4207	12.21911	22.12166	-236.892	7370.642
45278_5279	45278	5279	1218.183	-211.37	-12.2191	-22.1217	120.9135	-5148.64
45279_5279	45279	5279	-1218.14	211.3697	15.85815	35.73806	-120.914	5013.328
45279_5280	45279	5280	1218.142	-201.009	-15.8582	-35.7381	17.30689	-3666.23
45280_5280	45280	5280	-1218.76	148.1041	-21.7256	0.270375	-17.3069	3666.747
45280_5281	45280	5281	1218.76	-129.61	21.72555	-0.27038	270.6884	-2047.3
45281_5281	45281	5281	-1218.81	129.6104	-18.5396	5.623275	-270.688	2047.289
45281_5282	45281	5282	1218.812	-109.931	18.53959	-5.62328	500.7471	-561.012
45282_5282	45282	5282	-1218.41	98.84385	16.52516	0.79905	-500.747	1192.893
45282_5283	45282	5283	1218.407	-84.5625	-16.5252	-0.79905	296.0173	-56.8163
45283_5283	45283	5283	-1218.35	84.56254	20.31278	0.976238	-296.017	56.81524
45283_5284	45283	5284	1218.35	-71.0958	-20.3128	-0.97624	58.68476	852.5344
45284_5284	45284	5284	-1218.75	2.771475	-6.58586	4.21575	-58.6848	-852.651
45284_5285	45284	5285	1218.75	10.22569	6.585863	-4.21575	132.9434	810.6249
45285_5285	45285	5285	-1218.76	-10.2257	-3.67553	2.280075	-132.943	-810.635
45285_5286	45285	5286	1218.764	21.83213	3.675525	-2.28008	169.9543	649.2462
45286_5286	45286	5286	-1218.91	-58.4774	15.65918	2.388225	-169.954	-649.196
45286_5287	45286	5287	1218.911	71.63048	-15.6592	-2.38823	-8.70424	-93.0791
45287_5287	45287	5287	-1218.85	-71.6305	19.85944	2.709	8.704237	93.07069
45287_5288	45287	5288	1218.85	84.84735	-19.8594	-2.709	-236.46	-990.389
45288_5288	45288	5288	-1219.46	-99.2985	-14.0225	-20.5921	236.4597	990.8506
45288_5289	45288	5289	1219.457	103.9062	14.02249	20.59208	-180.393	-1397.14
45289_5289	45289	5289	-1219.48	-103.906	-12.291	-19.1717	180.3926	1452.839
45289_5290	45289	5290	1219.476	114.8569	12.29104	19.17169	-63.6292	-2541.8
45290_5290	45290	5290	62.50781	428.9859	-14.2215	19.57043	-127.546	11302.77
45290_5291	45290	5291	-61.3491	-417.016	14.22146	-19.5704	275.8867	-6801.82
45291_5291	45291	5291	47.64244	367.3945	11.05703	-7.45894	-272.882	6802.66
45291_5292	45291	5292	-46.7518	-354.923	-11.057	7.458938	152.9574	-2834.54
45292_5292	45292	5292	38.39483	355.9274	10.97723	6.537038	-153.587	2834.504
45292_5293	45292	5293	-37.8601	-344.731	-10.9772	-6.53704	46.85651	687.3382
45293_5293	45293	5293	29.83785	295.6026	-1.32038	10.94756	-46.8316	-687.385
45293_5294	45293	5294	-29.5924	-287.197	1.320375	-10.9476	56.46454	3169.884
45294_5294	45294	5294	24.44138	287.6803	-1.37288	5.3886	-56.1852	-3165.27
45294_5295	45294	5295	-24.3429	-278.882	1.372875	-5.3886	66.66555	4939.255
45295_5295	45295	5295	21.29295	279.1296	-1.4238	-5.98789	-66.5963	-4939.26
45295_5296	45295	5296	-21.2914	-269.678	1.4238	5.987888	78.2775	7189.666
45296_5296	45296	5296	34.90541	199.793	3.009038	30.51143	-115.579	-12303.4

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45296_5297	45296	5297	-34.9054	-194.906	-3.00904	-30.5114	103.0961	13122.12
45297_5297	45297	5297	34.9083	194.906	2.968088	15.93926	-103.096	-13131.5
45297_5298	45297	5298	-34.9083	-183.998	-2.96809	-15.9393	75.60079	14886.35
45298_5298	45298	5298	34.91539	183.9975	2.885925	-19.4807	-75.6008	-14886.3
45298_5299	45298	5299	-34.9154	-173.2	-2.88593	19.48065	49.15628	16523.26
45299_5299	45299	5299	34.90226	133.3106	0.797213	43.26578	-49.1563	-16524.6
45299_5300	45299	5300	-34.9023	-119.571	-0.79721	-43.2658	39.85039	17999.6
45300_5300	45300	5300	34.90358	119.5709	0.662025	-26.5311	-39.8504	-17999.6
45300_5301	45300	5301	-34.9036	-104.971	-0.66203	26.53114	31.64044	19391.24
45301_5301	45301	5301	34.92326	58.64539	1.802588	45.06784	-31.6404	-19392.8
45301_5302	45301	5302	-34.9233	-43.9126	-1.80259	-45.0678	9.079875	20034.24
45302_5302	45302	5302	34.92878	43.91258	1.668713	-31.9321	-9.07988	-20034.3
45302_5303	45302	5303	-34.9288	-30.318	-1.66871	31.93208	-10.1876	20462.67
45303_5303	45303	5303	34.93166	-13.2255	1.329038	48.57746	10.18763	-20464.2
45303_5304	45303	5304	-34.9317	28.55108	-1.32904	-48.5775	-27.4764	20192.35
45304_5304	45304	5304	34.93718	-28.5511	1.175738	-39.0721	27.4764	-20192.4
45304_5305	45304	5305	-34.9372	41.56346	-1.17574	39.07208	-40.4799	19805.07
45305_5305	45305	5305	34.95161	-84.6825	2.295038	37.97509	40.47986	-19806.5
45305_5306	45305	5306	-34.9516	98.88323	-2.29504	-37.9751	-68.1332	18699.96
45306_5306	45306	5306	34.9587	-98.8832	2.179538	-22.8291	68.13319	-18700
45306_5307	45306	5307	-34.9587	112.9976	-2.17954	22.8291	-94.2575	17430.42
45307_5307	45307	5307	34.95923	-157.738	0.272475	37.14191	94.25745	-17431.7
45307_5308	45307	5308	-34.9592	171.7322	-0.27248	-37.1419	-97.4991	15474.24
45308_5308	45308	5308	34.9608	-171.732	0.134138	-24.1219	97.49906	-15474.3
45308_5309	45308	5309	-34.9608	186.0708	-0.13414	24.12191	-99.1329	13296.32
45309_5309	45309	5309	35.12828	-222.866	15.4833	23.94919	99.13286	-13297.1
45309_5310	45309	5310	-35.1283	237.0564	-15.4833	-23.9492	-285.674	10526.49
45310_5310	45310	5310	35.18603	-237.056	15.35258	-15.0667	285.6738	-10526.5
45310_5311	45310	5311	-35.186	251.1876	-15.3526	15.06671	-469.874	7597.491
45311_5311	45311	5311	34.8873	-318.326	-19.9763	7.035788	469.8742	-7597.85
45311_5312	45311	5312	-34.8873	333.1695	19.97625	-7.03579	-218.148	3493.193
45312_5312	45312	5312	34.79201	-333.169	-20.1419	-9.38963	218.148	-3493.19
45312_5313	45312	5313	-34.792	345.9257	20.14189	9.389625	0	-184.458

		DC	DW	LL+I	BR	WA	WS	WL	TU
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53
	Min.	1.31	1.58	1.84	1.84	1.05			0.48

SE
1.05
0.95

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1	2	3	4	5	6	7	8	9
5000_5000	5000	5000	5.9787	180.4383	1.041075	0.480375	0	18.0621
5000_5001	5000	5001	175.8503	-168.223	-1.04108	-0.48038	-13.2521	1359.986
5001_5001	5001	5001	-175.844	168.2226	1.041075	0.07245	13.25205	-1359.99
5001_5002	5001	5002	308.333	-158.73	-1.04108	-0.07245	-23.5384	2364.092
5002_5002	5002	5002	-308.388	132.9647	-1.0836	0.7497	23.53838	-2364.12
5002_5003	5002	5003	434.9646	-121.305	1.0836	-0.7497	-10.3871	3323.425
5003_5003	5003	5003	-434.972	121.3049	-1.0836	-0.3843	10.38713	-3323.43
5003_5004	5003	5004	549.8278	-109.655	1.0836	0.3843	2.767275	4193.886
5004_5004	5004	5004	-549.806	86.74155	0.1827	0.483525	-2.76728	-4193.95
5004_5005	5004	5005	630.3292	-75.085	-0.1827	-0.48353	0.540225	4804.224
5005_5005	5005	5005	-630.329	75.08498	0.1827	-0.504	-0.54023	-4804.22
5005_5006	5005	5006	699.2969	-63.4205	-0.1827	0.504	-1.67895	5326.922
5006_5006	5006	5006	-699.311	38.48985	-0.01575	0.971775	1.67895	-5326.99
5006_5007	5006	5007	731.8096	-26.8364	0.01575	-0.97178	-1.4931	5573.289
5007_5007	5007	5007	-731.81	26.83643	-0.01733	-1.0647	1.4931	-5573.29
5007_5008	5007	5008	752.7098	-15.1846	0.017325	1.0647	-1.2915	5731.686
5008_5008	5008	5008	-752.713	9.26415	0.08505	0.9198	1.2915	-5731.75
5008_5009	5008	5009	737.6891	20.92388	-0.08505	-0.9198	-2.3184	5617.874
5009_5009	5009	5009	-737.687	-20.9239	0.083475	-1.13243	2.3184	-5617.87
5009_5010	5009	5010	711.0621	32.58045	-0.08348	1.132425	-3.33113	5416.082
5010_5010	5010	5010	-711.075	-57.2009	0.03465	-0.1638	3.331125	-5416.18
5010_5011	5010	5011	648.3566	68.85585	-0.03465	0.1638	-3.7548	4940.849
5011_5011	5011	5011	-648.357	-68.8559	0.03465	-0.1638	3.7548	-4940.85
5011_5012	5011	5012	574.0403	80.51085	-0.03465	0.1638	-4.17848	4377.621
5012_5012	5012	5012	-574.056	-104.687	-0.16223	0.092925	4.178475	-4377.69
5012_5013	5012	5013	464.0234	116.3468	0.162225	-0.09293	-2.2176	3543.786
5013_5013	5013	5013	-464.025	-116.347	-0.16223	-0.4788	2.2176	-3543.79
5013_5014	5013	5014	342.4995	127.9971	0.162225	0.4788	-0.25043	2622.773
5014_5014	5014	5014	-342.485	-151.482	0.442575	-0.06615	0.250425	-2622.8
5014_5015	5014	5015	131.6795	166.9878	-0.44258	0.06615	-7.38833	1025.142
5015_5015	5015	5015	-142.26	-166.186	0.3024	-0.25988	5.044725	-1047.52
5015_5016	5015	5016	15.63188	174.0643	-0.3024	0.266175	-7.5348	150.8756
5016_5016	5016	5016	-12.1149	-198.304	-0.19215	-0.18428	7.5348	-150.861
5016_5017	5016	5017	-181.097	209.4215	0.19215	0.16695	-5.26995	-1486.46
5017_5017	5017	5017	184.4924	-208.547	-0.19373	-0.15278	5.27625	1493.506
5017_5018	5017	5018	-346.823	221.9207	0.193725	0.124425	-2.709	-3455.93
5018_5018	5018	5018	353.4395	-244.98	0.023625	-0.4851	2.6712	3455.908
5018_5019	5018	5019	-460.409	258.3551	-0.02363	0.48825	-2.95943	-5716.43
5019_5019	5019	5019	465.9842	-256.883	0.02205	0.162225	3.04605	5716.43
5019_5020	5019	5020	-516.844	270.8811	-0.02205	-0.1575	-3.32955	-8248.48
5020_5020	5020	5020	-439.961	92.34068	-0.56385	-0.15593	12.44093	1734.766
5020_5021	5020	5021	514.562	-83.4325	0.56385	0.155925	-7.08278	-1164.58
5021_5021	5021	5021	-478.928	83.14583	-0.42998	-0.02993	5.57235	990.8971
5021_5022	5021	5022	536.5616	-75.8945	0.429975	0.029925	-2.23493	-604.707
5022_5022	5022	5022	-536.565	75.89453	-0.33233	0.036225	2.234925	604.7055
5022_5023	5022	5023	588.8736	-68.6543	0.332325	-0.03623	0.34335	-254.203
5023_5023	5023	5023	-588.881	46.76333	-0.13388	-0.04253	-0.34335	254.2003
5023_5024	5023	5024	621.0619	-39.2789	0.133875	0.042525	1.415925	-38.5718
5024_5024	5024	5024	-621.06	39.27893	-0.25043	-0.04725	-1.41593	38.57175
5024_5025	5024	5025	647.6164	-31.804	0.250425	0.04725	3.422475	139.3718
5025_5025	5025	5025	-647.62	31.80398	-0.02835	-0.0819	-3.42248	-139.37
5025_5026	5025	5026	668.608	-24.3212	0.02835	0.0819	3.6477	280.0082
5026_5026	5026	5026	-668.613	0.732375	-0.1134	-0.04883	-3.6477	-280.011
5026_5027	5026	5027	667.4504	4.87935	0.1134	0.048825	4.332825	272.2167
5027_5027	5027	5027	-667.45	-4.87935	-0.12915	-0.04568	-4.33283	-272.217
5027_5028	5027	5028	663.149	10.48163	0.12915	0.045675	5.103	243.3974
5028_5028	5028	5028	-663.149	-10.4816	-0.1134	-0.04883	-5.103	-243.397

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5028_5029	5028	5029	655.6961	16.09335	0.1134	0.048825	5.788125	193.4557
5029_5029	5029	5029	-655.696	-16.0934	0.026775	-0.07875	-5.78813	-193.456
5029_5030	5029	5030	645.098	21.7035	-0.02678	0.07875	5.6259	122.4374
5030_5030	5030	5030	-645.104	-45.0041	-0.04883	-0.06143	-5.6259	-122.45
5030_5031	5030	5031	608.6572	52.48373	0.048825	0.061425	6.0102	-121.77
5031_5031	5031	5031	-608.657	-52.4837	0.058275	-0.04725	-6.0102	121.7696
5031_5032	5031	5032	566.6236	59.9634	-0.05828	0.04725	5.548725	-403.432
5032_5032	5032	5032	-566.624	-59.9634	0.058275	-0.04725	-5.54873	403.4315
5032_5033	5032	5033	518.9972	67.44308	-0.05828	0.04725	5.08725	-722.561
5033_5033	5033	5033	-518.992	-89.9152	0.196875	-0.12443	-5.08725	722.5832
5033_5034	5033	5034	451.2706	97.1586	-0.19688	0.124425	3.564225	-1176.37
5034_5034	5034	5034	-451.271	-97.1586	0.196875	-0.12443	-3.56423	1176.366
5034_5035	5034	5035	378.3056	104.402	-0.19688	0.124425	2.039625	-1665.29
5035_5035	5035	5035	-420.772	-104.802	0.370125	0.111825	-2.6775	1872.48
5035_5036	5035	5036	328.7214	113.6945	-0.37013	-0.11183	-0.82845	-2564.77
5036_5036	5036	5036	593.9876	231.5565	0.12285	-1.2852	-2.47275	9359.429
5036_5037	5036	5037	-585.765	-217.257	-0.12285	1.26315	0.933975	-7202.42
5037_5037	5037	5037	581.0002	219.2668	0.11655	1.059975	-1.21118	7202.418
5037_5038	5037	5038	-530.375	-205.504	-0.11655	-1.08045	-0.24413	-5172.85
5038_5038	5038	5038	524.6042	183.13	-0.12758	-0.37328	0.38745	5173.083
5038_5039	5038	5039	-433.78	-169.413	0.127575	0.3906	1.299375	-3497.61
5039_5039	5039	5039	432.8069	171.5821	-0.1323	0.351225	-1.34505	3481.636
5039_5040	5039	5040	-300.655	-160.417	0.1323	-0.3402	2.89485	-2169.77
5040_5040	5040	5040	297.79	137.0408	0.1449	-0.0567	-2.87438	2169.889
5040_5041	5040	5041	-205.823	-129.388	-0.1449	0.05355	1.677375	-1446.11
5041_5041	5041	5041	223.1019	129.0476	0.067725	0.026775	-0.79065	1349.365
5041_5042	5041	5042	-32.571	-114.625	-0.06773	-0.02678	-0.27248	-107.423
5042_5042	5042	5042	32.5647	91.06493	-0.03623	0.01575	0.272475	107.4245
5042_5043	5042	5043	68.9598	-80.125	0.036225	-0.01575	0.162225	507.3107
5043_5043	5043	5043	-68.9598	80.12498	-0.03623	0.01575	-0.16223	-507.311
5043_5044	5043	5044	157.5095	-69.1866	0.036225	-0.01575	0.59535	1043.478
5044_5044	5044	5044	-157.509	45.8829	0.0126	0.007875	-0.59535	-1043.49
5044_5045	5044	5045	205.4698	-34.9367	-0.0126	-0.00788	0.441	1333.894
5045_5045	5045	5045	-205.47	34.93665	0.0126	0.01575	-0.441	-1333.89
5045_5046	5045	5046	240.4143	-23.9999	-0.0126	-0.01575	0.285075	1545.486
5046_5046	5046	5046	-240.419	0.533925	-0.00158	0.118125	-0.28508	-1545.51
5046_5047	5046	5047	234.56	10.41075	0.001575	-0.11813	0.294525	1510.028
5047_5047	5047	5047	-234.56	-10.4108	-0.00315	-0.08978	-0.29453	-1510.03
5047_5048	5047	5048	215.7372	21.3444	0.00315	0.089775	0.329175	1396.055
5048_5048	5048	5048	-215.74	-44.5268	-0.02363	0.09135	-0.32918	-1396.08
5048_5049	5048	5049	156.4211	55.46993	0.023625	-0.09135	0.609525	1036.895
5049_5049	5049	5049	-156.423	-55.4699	-0.0252	-0.05828	-0.60953	-1036.89
5049_5050	5049	5050	84.1302	66.41145	0.0252	0.058275	0.915075	599.171
5050_5050	5050	5050	-84.1223	-88.8426	0.0756	-0.00945	-0.91508	-599.179
5050_5051	5050	5051	-65.9327	103.2507	-0.0756	0.00945	-0.26933	-355.809
5051_5051	5051	5051	64.7766	-103.289	0.086625	0.0441	0.316575	367.3686
5051_5052	5051	5052	-145.535	110.8721	-0.08663	-0.04253	-1.0269	-925.587
5052_5052	5052	5052	147.9524	-134.481	-0.02678	-0.18585	1.0206	925.5808
5052_5053	5052	5053	-276.479	145.3111	0.026775	0.1827	-0.71348	-1988.49
5053_5053	5053	5053	258.6827	-144.965	-0.03938	0.3402	1.003275	2100.694
5053_5054	5053	5054	-351.549	157.7646	0.039375	-0.34493	-0.47723	-3529.6
5054_5054	5054	5054	356.6336	-178.874	-0.02835	-0.7119	0.41265	3529.574
5054_5055	5054	5055	-418.359	191.5783	0.02835	0.707175	-0.04883	-5221.04
5055_5055	5055	5055	422.5363	-189.764	-0.03308	0.785925	0.165375	5221.037
5055_5056	5055	5056	-447.298	202.9403	0.033075	-0.79223	0.24255	-7132.37
5056_5056	5056	5056	-323.766	103.2602	-0.15593	0.063	1.551375	1832.468
5056_5057	5056	5057	404.6396	-94.6764	0.155925	-0.063	-0.07088	-1199.78
5057_5057	5057	5057	-401.014	94.6638	-0.16538	-0.0126	0.063	1174.4

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5057_5058	5057	5058	461.9255	-87.6566	0.165375	0.0126	1.220625	-711.598
5058_5058	5058	5058	-461.927	87.65663	-0.08505	0.159075	-1.22063	711.596
5058_5059	5058	5059	518.153	-80.6526	0.08505	-0.15908	1.8774	-284.398
5059_5059	5059	5059	-518.155	59.39325	-0.1701	0.048825	-1.8774	284.3978
5059_5060	5059	5060	556.6727	-52.153	0.1701	-0.04883	3.2382	8.253
5060_5060	5060	5060	-556.674	52.15298	-0.0189	0.045675	-3.2382	-8.253
5060_5061	5060	5061	590.1462	-44.9222	0.0189	-0.04568	3.3894	262.5761
5061_5061	5061	5061	-590.146	44.92215	-0.0189	0.045675	-3.3894	-262.576
5061_5062	5061	5062	618.6332	-37.6913	0.0189	-0.04568	3.5406	479.0111
5062_5062	5062	5062	-618.635	15.12788	-0.0063	0.1323	-3.5406	-479.002
5062_5063	5062	5063	625.0592	-9.70043	0.0063	-0.1323	3.583125	527.8235
5063_5063	5063	5063	-625.059	9.700425	-0.01418	0.143325	-3.58313	-527.823
5063_5064	5063	5064	628.6723	-4.28243	0.014175	-0.14333	3.668175	555.2741
5064_5064	5064	5064	-628.672	4.282425	0.09765	-0.04095	-3.66818	-555.274
5064_5065	5064	5065	629.4834	1.145025	-0.09765	0.04095	3.08385	561.445
5065_5065	5065	5065	-629.483	-1.14503	0.09765	-0.04095	-3.08385	-561.445
5065_5066	5065	5066	627.4879	6.5709	-0.09765	0.04095	2.5011	546.2746
5066_5066	5066	5066	-627.489	-29.1989	0.07875	0.058275	-2.5011	-546.248
5066_5067	5066	5067	604.8662	36.4266	-0.07875	-0.05828	1.872675	374.3602
5067_5067	5067	5067	-604.866	-36.4266	0.07875	0.058275	-1.87268	-374.36
5067_5068	5067	5068	577.2596	43.65585	-0.07875	-0.05828	1.242675	164.6033
5068_5068	5068	5068	-577.258	-43.6559	0.162225	0.017325	-1.24268	-164.603
5068_5069	5068	5069	544.6271	50.89298	-0.16223	-0.01733	-0.05198	-83.3317
5069_5069	5069	5069	-544.619	-72.209	0.1638	-0.11813	0.051975	83.35215
5069_5070	5069	5070	494.0618	79.2099	-0.1638	0.118125	-1.31985	-467.485
5070_5070	5070	5070	-494.059	-79.2099	0.24885	0.001575	1.31985	467.4868
5070_5071	5070	5071	438.7556	86.22023	-0.24885	-0.00158	-3.25238	-887.673
5071_5071	5071	5071	-445.579	-86.2895	0.33705	0.130725	3.8178	929.4264
5071_5072	5071	5072	372.1993	94.88115	-0.33705	-0.13073	-7.0119	-1509.76
5072_5072	5072	5072	434.4732	212.0486	0.017325	-0.54653	2.994075	6817.749
5072_5073	5072	5073	-399.286	-198.96	-0.01733	0.543375	-3.20828	-4831.65
5073_5073	5073	5073	394.9076	201.0787	0.011025	0.79695	3.098025	4831.655
5073_5074	5073	5074	-319.698	-188.469	-0.01103	-0.79853	-3.24293	-3031.92
5074_5074	5074	5074	314.3448	166.8161	-0.0441	-0.1449	3.296475	3032.035
5074_5075	5074	5075	-205.196	-154.084	0.0441	0.1512	-2.70743	-1555.27
5075_5075	5075	5075	216.6192	154.5941	-0.0378	0.218925	1.964025	1476.056
5075_5076	5075	5076	-72.954	-144.353	0.0378	-0.2142	-1.52145	-320.302
5076_5076	5076	5076	70.41983	123.1256	0.026775	0.063	1.526175	320.3198
5076_5077	5076	5077	21.10973	-115.928	-0.02678	-0.06458	-1.74353	306.2052
5077_5077	5077	5077	-18.6732	116.8666	0.033075	0.014175	2.50425	-317.633
5077_5078	5077	5078	155.3281	-104.312	-0.03308	-0.01418	-2.98148	1308.291
5078_5078	5078	5078	-155.331	84.27353	-0.0441	0.313425	2.981475	-1308.31
5078_5079	5078	5079	232.4322	-74.3999	0.0441	-0.31343	-2.4885	1867.238
5079_5079	5079	5079	-232.432	74.39985	-0.0504	-0.28193	2.4885	-1867.24
5079_5080	5079	5080	299.932	-64.5278	0.0504	0.281925	-1.92308	2356.565
5080_5080	5080	5080	-299.934	44.15355	-0.00945	0.43155	1.923075	-2356.59
5080_5081	5080	5081	338.0423	-34.2815	0.00945	-0.43155	-1.81913	2632.847
5081_5081	5081	5081	-338.042	34.28145	-0.01575	-0.40793	1.819125	-2632.85
5081_5082	5081	5082	366.5561	-24.4094	0.01575	0.407925	-1.64273	2839.547
5082_5082	5082	5082	-366.564	3.10905	-0.0189	-0.0063	1.642725	-2839.61
5082_5083	5082	5083	364.277	7.492275	0.0189	0.0063	-1.41278	2823.025
5083_5083	5083	5083	-364.277	-7.49228	-0.0189	-0.0252	1.412775	-2823.03
5083_5084	5083	5084	350.91	18.10305	0.0189	0.0252	-1.17968	2726.125
5084_5084	5084	5084	-350.915	-39.4065	-0.01418	0.34335	1.179675	-2726.17
5084_5085	5084	5085	307.8385	49.27703	0.014175	-0.34335	-1.0269	2413.886
5085_5085	5085	5085	-307.838	-49.277	-0.02048	-0.42683	1.0269	-2413.89
5085_5086	5085	5086	255.1768	59.14598	0.020475	0.426825	-0.80168	2032.13
5086_5086	5086	5086	-255.178	-79.4036	-0.05828	0.19845	0.801675	-2032.14

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5086_5087	5086	5087	173.2516	89.27258	0.058275	-0.19845	-0.1575	1438.221
5087_5087	5087	5087	-173.252	-89.2726	-0.06458	-0.26933	0.1575	-1438.22
5087_5088	5087	5088	81.65903	99.15098	0.064575	0.269325	0.5607	774.2338
5088_5088	5088	5088	-81.6575	-118.588	0.09135	-0.08505	-0.5607	-774.25
5088_5089	5088	5089	-66.5233	130.6683	-0.09135	0.08505	-0.69773	-323.95
5089_5089	5089	5089	67.64625	-130.316	0.07875	-0.04568	0.62685	344.9968
5089_5090	5089	5090	-158.91	137.581	-0.07875	0.04725	-1.27418	-1135.65
5090_5090	5090	5090	161.773	-158.533	-0.0693	-0.5166	1.261575	1135.639
5090_5091	5090	5091	-297.472	168.9833	0.0693	0.5103	-0.44258	-2404.65
5091_5091	5091	5091	297.5364	-167.243	-0.09608	0.326025	0.59535	2425.457
5091_5092	5091	5092	-400.699	179.5957	0.096075	-0.3402	0.68355	-4108.77
5092_5092	5092	5092	406.2697	-199.682	-0.01418	-0.4725	-0.74498	4108.739
5092_5093	5092	5093	-470.355	211.9934	0.014175	0.470925	0.92295	-6073.28
5093_5093	5093	5093	475.0027	-209.746	-0.01733	0.417375	-0.84263	6073.275
5093_5094	5093	5094	-498.339	222.5318	0.017325	-0.42053	1.063125	-8067.19
5094_5094	5094	5094	-353.543	93.14235	-0.1953	-0.16065	1.217475	2007.986
5094_5095	5094	5095	424.5539	-84.9744	0.1953	0.16065	0.631575	-1446.41
5095_5095	5095	5095	-427.48	85.23428	-0.18113	-0.05985	-0.72765	1460.79
5095_5096	5095	5096	478.4519	-78.5421	0.181125	0.05985	2.12625	-1029.71
5096_5096	5096	5096	-478.454	78.5421	-0.04725	0.1953	-2.12625	1029.713
5096_5097	5096	5097	525.1995	-71.861	0.04725	-0.1953	2.486925	-634.363
5097_5097	5097	5097	-525.218	51.4017	-0.00158	-0.04253	-2.48693	634.3391
5097_5098	5097	5098	556.0254	-44.4953	0.001575	0.042525	2.499525	-373.801
5098_5098	5098	5098	-556.025	44.49533	-0.00158	-0.04253	-2.49953	373.8011
5098_5099	5098	5099	582.3956	-37.589	0.001575	0.042525	2.512125	-150.789
5099_5099	5099	5099	-582.394	37.58895	0.12915	-0.0063	-2.51213	150.7889
5099_5100	5099	5100	604.3007	-30.692	-0.12915	0.0063	1.48365	34.4799
5100_5100	5100	5100	-604.301	8.95545	0.17325	-0.05513	-1.48365	-34.4783
5100_5101	5100	5101	607.3673	-3.77528	-0.17325	0.055125	0.441	60.41858
5101_5101	5101	5101	-607.366	3.775275	0.3528	-0.0756	-0.441	-60.417
5101_5102	5101	5102	607.9374	1.403325	-0.3528	0.0756	-1.67423	65.25068
5102_5102	5102	5102	-607.937	-1.40333	-0.36225	0.011025	1.674225	-65.2507
5102_5103	5102	5103	606.0112	6.5835	0.36225	-0.01103	0.499275	48.97305
5103_5103	5103	5103	-606.014	-6.5835	-0.189	-0.00473	-0.49928	-48.9731
5103_5104	5103	5104	601.6028	11.7558	0.189	0.004725	1.633275	11.66288
5104_5104	5104	5104	-601.603	-33.5176	-0.08348	-0.0567	-1.63328	-11.6613
5104_5105	5104	5105	577.8486	40.42553	0.083475	0.0567	2.297925	-189.236
5105_5105	5105	5105	-577.849	-40.4255	0.04725	-0.01103	-2.29793	189.2363
5105_5106	5105	5106	549.6955	47.32245	-0.04725	0.011025	1.92465	-427.335
5106_5106	5106	5106	-549.695	-47.3225	0.0504	-0.00788	-1.92465	427.3353
5106_5107	5106	5107	517.0709	54.22883	-0.0504	0.007875	1.5183	-703.234
5107_5107	5107	5107	-517.068	-74.7999	0.130725	-0.1449	-1.5183	703.2485
5107_5108	5107	5108	468.4318	81.4905	-0.13073	0.1449	0.50085	-1114.58
5108_5108	5108	5108	-468.432	-81.4905	0.127575	-0.15278	-0.50085	1114.576
5108_5109	5108	5109	415.7024	88.17323	-0.12758	0.152775	-0.4851	-1560.52
5109_5109	5109	5109	-414.817	-87.9401	0.215775	0.16065	0.436275	1556.106
5109_5110	5109	5110	341.8018	96.1191	-0.21578	-0.16065	-2.49008	-2160.04
5110_5110	5110	5110	508.1423	217.276	-0.00315	-0.882	1.33245	8342.983
5110_5111	5110	5111	-490.619	-204.454	0.00315	0.882	-1.2915	-6244.25
5111_5111	5111	5111	486.0702	206.829	-0.01103	0.88515	1.122975	6244.249
5111_5112	5111	5112	-429.737	-194.464	0.011025	-0.88358	-0.98753	-4331.75
5112_5112	5112	5112	424.2357	174.5762	-0.00788	-0.21893	1.071	4331.849
5112_5113	5112	5113	-330.624	-162.162	0.007875	0.2205	-0.9576	-2750.57
5113_5113	5113	5113	331.1642	164.1008	-0.01103	0.363825	0.7371	2726.744
5113_5114	5113	5114	-203.616	-153.881	0.011025	-0.36383	-0.60165	-1409.88
5114_5114	5114	5114	200.8346	133.5474	-0.01103	0.033075	0.6111	1409.923
5114_5115	5114	5115	-113.735	-126.471	0.011025	-0.03308	-0.5229	-726.966
5115_5115	5115	5115	119.2259	126.2189	-0.00945	0.03465	0.4347	653.0046

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5115_5116	5115	5116	40.84448	-114.082	0.00945	-0.03465	-0.2961	436.7034
5116_5116	5116	5116	-40.8461	94.61655	-0.00945	0.08505	0.2961	-436.703
5116_5117	5116	5117	135.0641	-85.0642	0.00945	-0.08505	-0.1953	1040.026
5117_5117	5117	5117	-135.064	85.06418	-0.0126	-0.03308	0.1953	-1040.03
5117_5118	5117	5118	219.2636	-75.5102	0.0126	0.033075	-0.063	1579.183
5118_5118	5118	5118	-219.264	56.11725	-0.00473	0.127575	0.063	-1579.18
5118_5119	5118	5119	273.105	-46.5649	0.004725	-0.12758	-0.01575	1923.951
5119_5119	5119	5119	-273.105	46.56488	-0.0063	-0.09135	0.01575	-1923.95
5119_5120	5119	5120	316.9278	-37.0125	0.0063	0.09135	0.061425	2204.564
5120_5120	5120	5120	-316.928	16.69343	-0.00315	0.379575	-0.06143	-2204.56
5120_5121	5120	5121	329.9578	-6.42443	0.00315	-0.37958	0.099225	2288.001
5121_5121	5121	5121	-329.959	6.424425	-0.01103	-0.34335	-0.09923	-2288
5121_5122	5121	5122	331.4178	3.835125	0.011025	0.34335	0.22995	2297.344
5122_5122	5122	5122	-331.418	-23.9589	-0.0063	0.127575	-0.22995	-2297.34
5122_5123	5122	5123	301.2849	33.51128	0.0063	-0.12758	0.294525	2104.397
5123_5123	5123	5123	-301.285	-33.5113	-0.00788	-0.11183	-0.29453	-2104.4
5123_5124	5123	5124	261.1366	43.06365	0.007875	0.111825	0.389025	1847.31
5124_5124	5124	5124	-261.133	-62.3228	-0.0063	0.16065	-0.38903	-1847.29
5124_5125	5124	5125	190.7735	71.87513	0.0063	-0.16065	0.4536	1396.746
5125_5125	5125	5125	-190.773	-71.8751	-0.01103	-0.1575	-0.4536	-1396.75
5125_5126	5125	5126	110.3965	81.4275	0.011025	0.1575	0.578025	882.0677
5126_5126	5126	5126	-110.393	-99.5778	0.0126	-0.01103	-0.57803	-882.06
5126_5127	5126	5127	-24.3842	111.2249	-0.0126	0.011025	0.4158	19.03703
5127_5127	5127	5127	25.54493	-110.505	0.007875	-0.00788	-0.3717	-13.0694
5127_5128	5127	5128	-114.717	117.4982	-0.00788	0.007875	0.313425	-565.88
5128_5128	5128	5128	117.1375	-137.855	0.017325	-0.15908	-0.31973	565.8629
5128_5129	5128	5129	-255.531	147.8421	-0.01733	0.16065	0.12285	-1739.34
5129_5129	5129	5129	240.2159	-147.229	0.0126	0.29295	-0.12915	1847.364
5129_5130	5129	5130	-341.961	159.7932	-0.0126	-0.29138	-0.04725	-3277.31
5130_5130	5130	5130	346.9363	-178.614	-0.09765	-0.33075	0.00945	3277.294
5130_5131	5130	5131	-414.097	191.0869	0.09765	0.313425	1.2222	-4987.89
5131_5131	5131	5131	418.2507	-188.888	-0.1008	0.379575	-1.17023	4987.888
5131_5132	5131	5132	-446.851	201.8221	0.1008	-0.39848	2.439675	-6916.87
5132_5132	5132	5132	-320.793	96.53648	0.562275	0.31815	-5.55345	1698.611
5132_5133	5132	5133	397.6544	-88.1244	-0.56228	-0.31815	0.21735	-1079.45
5133_5133	5133	5133	-369.651	87.7716	0.584325	0.256725	-0.19688	942.9273
5133_5134	5133	5134	430.049	-80.9361	-0.58433	-0.25673	-4.32653	-530.773
5134_5134	5134	5134	-430.076	80.9361	-0.16065	-0.54653	4.326525	530.7577
5134_5135	5134	5135	485.6513	-74.0927	0.16065	0.546525	-3.07913	-151.509
5135_5135	5135	5135	-485.631	52.93418	-0.08663	-0.0315	3.079125	151.589
5135_5136	5135	5136	522.1503	-45.8782	0.086625	0.0315	-2.3814	97.61378
5136_5136	5136	5136	-522.15	45.87818	-0.01575	-0.04568	2.3814	-97.6138
5136_5137	5136	5137	553.4534	-38.8238	0.01575	0.045675	-2.2617	311.2247
5137_5137	5137	5137	-553.453	38.82375	-0.0882	0	2.2617	-311.226
5137_5138	5137	5138	579.5118	-31.7756	0.0882	0	-1.55768	489.0517
5138_5138	5138	5138	-579.518	8.74125	-0.07088	0.033075	1.557675	-489.083
5138_5139	5138	5139	582.8965	-3.44925	0.070875	-0.03308	-1.13558	512.1396
5139_5139	5139	5139	-582.896	3.44925	0.0252	-0.06615	1.135575	-512.14
5139_5140	5139	5140	583.3422	1.84275	-0.0252	0.06615	-1.28993	515.1778
5140_5140	5140	5140	-583.342	-1.84275	-0.07088	0.03465	1.289925	-515.178
5140_5141	5140	5141	580.8537	7.13475	0.070875	-0.03465	-0.86783	498.1977
5141_5141	5141	5141	-580.854	-7.13475	0.0252	-0.063	0.867825	-498.198
5141_5142	5141	5142	575.4326	12.42675	-0.0252	0.063	-1.02218	461.1994
5142_5142	5142	5142	-575.434	-34.8122	-0.05198	-0.01418	1.022175	-461.232
5142_5143	5142	5143	547.0952	41.86823	0.051975	0.014175	-0.60008	267.8477
5143_5143	5143	5143	-547.095	-41.8682	-0.05198	-0.01418	0.600075	-267.848
5143_5144	5143	5144	513.5414	48.92423	0.051975	0.014175	-0.17955	38.87415
5144_5144	5144	5144	-513.541	-48.9242	-0.05198	-0.01418	0.17955	-38.8742

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5144_5145	5144	5145	474.7712	55.98023	0.051975	0.014175	0.24255	-225.688
5145_5145	5145	5145	-474.787	-77.1356	-0.00788	0.0504	-0.24255	225.6613
5145_5146	5145	5146	417.1073	83.97113	0.007875	-0.0504	0.3087	-619.265
5146_5146	5146	5146	-417.107	-83.9711	-0.00788	0.0504	-0.3087	619.2648
5146_5147	5146	5147	354.5341	90.80663	0.007875	-0.0504	0.37485	-1046.27
5147_5147	5147	5147	-378.936	-91.0964	-0.08348	-0.16853	-0.38588	1165.265
5147_5148	5147	5148	298.7129	99.5022	0.083475	0.168525	1.1781	-1749.78
5148_5148	5148	5148	464.3163	199.1572	0	-0.38903	-0.07718	6871.276
5148_5149	5148	5149	-439.564	-186.182	0	0.389025	0.080325	-5022.47
5149_5149	5149	5149	435.4796	188.4598	-0.00315	0.313425	-0.1323	5022.47
5149_5150	5149	5150	-372.803	-175.957	0.00315	-0.31343	0.168525	-3353.55
5150_5150	5150	5150	367.7924	155.3864	-0.00473	-0.06143	-0.1449	3353.562
5150_5151	5150	5151	-273.047	-142.808	0.004725	0.061425	0.21105	-1966.55
5151_5151	5151	5151	291.2396	143.5581	-0.00473	0.01575	-0.17325	1850.672
5151_5152	5151	5152	-159.429	-132.782	0.004725	-0.01575	0.228375	-825.032
5152_5152	5152	5152	157.0748	110.9005	0	0.001575	-0.2268	825.0291
5152_5153	5152	5153	-73.4312	-103.364	0	-0.00158	0.231525	-282.413
5153_5153	5153	5153	74.40773	103.4366	0	0.00315	-0.19058	273.2594
5153_5154	5153	5154	63.69143	90.9137	0	-0.00315	0.1953	509.6117
5154_5154	5154	5154	-63.6914	70.27178	0.001575	0.007875	-0.1953	-509.612
5154_5155	5154	5155	137.9385	-60.2453	-0.00158	-0.00788	0.184275	930.5084
5155_5155	5155	5155	-137.939	60.24533	0.001575	0.007875	-0.18428	-930.508
5155_5156	5155	5156	200.7779	-50.2189	-0.00158	-0.00788	0.17325	1286.742
5156_5156	5156	5156	-200.778	29.72025	0	0.00945	-0.17325	-1286.74
5156_5157	5156	5157	226.8252	-20.5963	0	-0.00945	0.181125	1434.404
5157_5157	5157	5157	-226.825	20.59628	0	0.011025	-0.18113	-1434.4
5157_5158	5157	5158	243.4147	-11.4833	0	-0.01103	0.189	1528.452
5158_5158	5158	5158	-243.413	-7.75215	-0.00158	-0.04095	-0.189	-1528.44
5158_5159	5158	5159	230.6651	16.87613	0.001575	0.04095	0.2079	1456.171
5159_5159	5159	5159	-230.665	-16.8761	0	0.0567	-0.2079	-1456.17
5159_5160	5159	5160	208.4702	25.99853	0	-0.0567	0.203175	1330.351
5160_5160	5160	5160	-208.472	-46.5617	0.004725	0.00945	-0.20318	-1330.36
5160_5161	5160	5161	149.7935	56.5866	-0.00473	-0.00945	0.1575	997.7168
5161_5161	5161	5161	-149.794	-56.5866	0.004725	0.00945	-0.1575	-997.717
5161_5162	5161	5162	79.70918	66.61305	-0.00473	-0.00945	0.11025	600.4121
5162_5162	5162	5162	-79.7092	-87.077	-0.01103	0.00315	-0.11025	-600.41
5162_5163	5162	5163	-52.9389	99.59985	0.011025	-0.00315	0.2583	-151.558
5163_5163	5163	5163	53.1405	-99.4219	-0.0126	0.01575	-0.27248	154.7249
5163_5164	5163	5164	-135.576	106.9346	0.0126	-0.01733	0.379575	-670.659
5164_5164	5164	5164	137.8472	-128.944	0.0126	0.077175	-0.378	670.6602
5164_5165	5164	5165	-270.064	139.6411	-0.0126	-0.07718	0.222075	-1653.84
5165_5165	5165	5165	262.5163	-138.339	0.017325	-0.1134	-0.25673	1711.37
5165_5166	5165	5166	-364.12	151.767	-0.01733	0.11655	0.02205	-3016.8
5166_5166	5166	5166	369.054	-173.549	0.001575	-0.24098	-0.03308	3016.804
5166_5167	5166	5167	-439.513	186.8927	-0.00158	0.240975	0.020475	-4618.51
5167_5167	5167	5167	443.4822	-184.606	-0.00158	0.252	0.017325	4618.514
5167_5168	5167	5168	-473.951	198.4957	0.001575	-0.252	-0.00473	-6409.43
5168_5168	5168	5168	-284.143	106.2605	-0.0252	-0.08033	0.111825	1584.118
5168_5169	5168	5169	375.3666	-97.2059	0.0252	0.080325	0.133875	-982.485
5169_5169	5169	5169	-349.696	96.91448	0.026775	0.055125	-0.1071	857.3497
5169_5170	5169	5170	420.3659	-89.5577	-0.02678	-0.05513	-0.09608	-418.342
5170_5170	5170	5170	-420.366	89.55765	-0.02205	-0.00158	0.096075	418.3421
5170_5171	5170	5171	485.541	-82.193	0.02205	0.001575	0.07245	-13.4647
5171_5171	5171	5171	-485.558	59.53815	0.036225	-0.02993	-0.07245	13.42845
5171_5172	5171	5172	529.2236	-51.9356	-0.03623	0.029925	-0.2205	257.8291
5172_5172	5172	5172	-529.224	51.93563	-0.01103	0.004725	0.2205	-257.829
5172_5173	5172	5173	566.9354	-44.3331	0.011025	-0.00473	-0.1386	492.0899
5173_5173	5173	5173	-566.935	44.3331	-0.01103	0.004725	0.1386	-492.09

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5173_5174	5173	5174	598.689	-36.7306	0.011025	-0.00473	-0.05513	689.3492
5174_5174	5174	5174	-598.694	12.89138	0.04095	-0.07088	0.055125	-689.379
5174_5175	5174	5175	604.5937	-7.18988	-0.04095	0.070875	-0.30398	726.0278
5175_5175	5175	5175	-604.594	7.189875	-0.02205	0.0567	0.303975	-726.028
5175_5176	5175	5176	607.142	-1.48838	0.02205	-0.0567	-0.1764	741.866
5176_5176	5176	5176	-607.142	1.488375	0.04095	-0.07403	0.1764	-741.866
5176_5177	5176	5177	606.3419	4.2147	-0.04095	0.074025	-0.42525	736.889
5177_5177	5177	5177	-606.342	-4.2147	-0.02205	0.0567	0.42525	-736.889
5177_5178	5177	5178	602.1902	9.9162	0.02205	-0.0567	-0.29768	711.0999
5178_5178	5178	5178	-602.197	-33.8105	0.001575	0.004725	0.297675	-711.135
5178_5179	5178	5179	572.7299	41.41305	-0.00158	-0.00473	-0.31343	528.0896
5179_5179	5179	5179	-572.73	-41.4131	0.001575	0.004725	0.313425	-528.09
5179_5180	5179	5180	537.3081	49.01558	-0.00158	-0.00473	-0.3276	308.0432
5180_5180	5180	5180	-537.308	-49.0156	0.048825	-0.03623	0.3276	-308.043
5180_5181	5180	5181	495.9297	56.6181	-0.04883	0.036225	-0.71978	51.00008
5181_5181	5181	5181	-495.928	-79.0115	-0.02993	-0.00473	0.719775	-50.9985
5181_5182	5181	5182	433.166	86.37773	0.029925	0.004725	-0.48195	-338.882
5182_5182	5182	5182	-433.166	-86.3777	0.017325	0.042525	0.48195	338.8817
5182_5183	5182	5183	364.8157	93.74243	-0.01733	-0.04253	-0.62213	-763.48
5183_5183	5183	5183	-383.944	-93.9078	-0.03308	-0.08033	0.700875	856.685
5183_5184	5183	5184	294.2998	102.953	0.033075	0.080325	-0.38588	-1461.93
5184_5184	5184	5184	477.8802	204.9894	-0.0063	0.25515	0.612675	6346.533
5184_5185	5184	5185	-439.256	-191.169	0.0063	-0.25515	-0.5418	-4528.89
5185_5185	5185	5185	435.1851	193.6494	-0.00315	-0.2583	0.574875	4528.894
5185_5186	5185	5186	-353.432	-180.423	0.00315	0.2583	-0.53078	-2871.67
5186_5186	5186	5186	348.3932	158.1253	-0.0126	0.036225	0.511875	2871.694
5186_5187	5186	5187	-232.968	-144.82	0.0126	-0.03465	-0.33863	-1536.11
5187_5187	5187	5187	238.1447	146.212	-0.01103	-0.04095	0.30555	1487.096
5187_5188	5187	5188	-93.3723	-134.833	0.011025	0.042525	-0.1827	-394.06
5188_5188	5188	5188	91.0161	111.2596	-0.0063	-0.00945	0.181125	394.0894
5188_5189	5188	5189	-3.08385	-103.23	0.0063	0.00945	-0.12915	163.8567
5189_5189	5189	5189	1.48995	103.8602	-0.0063	-0.00945	0.11655	-162.025
5189_5190	5189	5190	135.0011	-90.3562	0.0063	0.00945	-0.03623	971.6285
5190_5190	5190	5190	-135.003	67.83998	0	-0.0063	0.036225	-971.629
5190_5191	5190	5191	205.2115	-57.0371	0	0.0063	-0.02835	1388.076
5191_5191	5191	5191	-205.211	57.03705	0	-0.0063	0.02835	-1388.08
5191_5192	5191	5192	263.2739	-46.2341	0	0.0063	-0.02048	1732.473
5192_5192	5192	5192	-263.271	23.77935	-0.02678	0.001575	0.020475	-1732.47
5192_5193	5192	5193	282.5881	-13.9388	0.026775	-0.00158	0.25515	1847.053
5193_5193	5193	5193	-282.588	13.93875	-0.02678	0	-0.25515	-1847.05
5193_5194	5193	5194	291.8302	-4.0887	0.026775	0	0.5292	1901.872
5194_5194	5194	5194	-291.835	-17.1691	-0.00315	0	-0.5292	-1901.88
5194_5195	5194	5195	269.1817	27.01913	0.00315	0	0.562275	1767.519
5195_5195	5195	5195	-269.182	-27.0191	-0.00315	0	-0.56228	-1767.52
5195_5196	5195	5196	236.4311	36.86918	0.00315	0	0.59535	1573.25
5196_5196	5196	5196	-236.43	-59.4326	-0.00473	0	-0.59535	-1573.25
5196_5197	5196	5197	163.5275	70.23555	0.004725	0	0.644175	1140.823
5197_5197	5197	5197	-163.528	-70.2356	-0.00473	0	-0.64418	-1140.82
5197_5198	5197	5198	78.47753	81.03848	0.004725	0	0.693	636.3457
5198_5198	5198	5198	-78.4744	-103.627	-0.01418	-0.00158	-0.693	-636.347
5198_5199	5198	5199	-76.5482	117.1202	0.014175	0.001575	0.886725	-291.674
5199_5199	5199	5199	75.92918	-116.748	-0.01418	0.0063	-0.93398	277.434
5199_5200	5199	5200	-172.159	124.7825	0.014175	-0.00788	1.056825	-885.885
5200_5200	5200	5200	174.7935	-148.841	-0.00315	0.017325	-1.05683	885.8556
5200_5201	5200	5201	-326.297	160.1129	0.00315	-0.0189	1.09935	-2027.71
5201_5201	5201	5201	308.8874	-158.877	-0.00473	0.007875	-1.68998	2152.7
5201_5202	5201	5202	-420.988	173.1193	0.004725	-0.00788	1.752975	-3658.12
5202_5202	5202	5202	426.5352	-196.488	-0.02835	0.310275	-1.7325	3658.097

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5202_5203	5202	5203	-503.616	210.6074	0.02835	-0.31658	2.080575	-5448.6
5202_5203	5203	5203	508.0604	-207.733	-0.0252	-0.20633	-2.13098	5448.6
5203_5204	5203	5204	-541.838	222.5176	0.0252	0.200025	2.4444	-7472.35
5204_5204	5204	5204	-304.97	114.6301	0.0252	0.07875	-2.45385	1913.898
5204_5205	5204	5205	400.1807	-104.829	-0.0252	-0.07875	2.22075	-1244.97
5205_5205	5205	5205	-377.792	104.5643	-0.0378	-0.07245	-1.9152	1087.722
5205_5206	5205	5206	451.3147	-96.5885	0.0378	0.07245	2.205	-602.288
5206_5206	5206	5206	-451.315	96.58845	0.0315	0.011025	-2.205	602.2879
5206_5207	5206	5207	519.005	-88.6127	-0.0315	-0.01103	1.954575	-155.356
5207_5207	5207	5207	-519.005	64.63328	-0.02678	0.0189	-1.95458	155.3564
5207_5208	5207	5208	564.669	-56.4008	0.026775	-0.0189	2.16405	146.149
5208_5208	5208	5208	-564.669	56.40075	-0.02678	0.0189	-2.16405	-146.149
5208_5209	5208	5209	604.1212	-48.1667	0.026775	-0.0189	2.37195	406.6335
5209_5209	5209	5209	-604.121	48.16665	-0.02678	0.0189	-2.37195	-406.634
5209_5210	5209	5210	637.3616	-39.9326	0.026775	-0.0189	2.581425	626.0987
5210_5210	5210	5210	-637.368	14.60655	0.089775	-0.02835	-2.58143	-626.097
5210_5211	5210	5211	643.8868	-8.43255	-0.08978	0.02835	2.045925	669.1403
5211_5211	5211	5211	-643.888	8.43255	-0.00158	0.09135	-2.04593	-669.139
5211_5212	5211	5212	646.9124	-2.25698	0.001575	-0.09135	2.05065	689.1098
5212_5212	5212	5212	-646.912	2.256975	0.089775	-0.0315	-2.05065	-689.11
5212_5213	5212	5213	646.4414	3.9186	-0.08978	0.0315	1.516725	686.0054
5213_5213	5213	5213	-646.443	-3.9186	-0.00158	0.089775	-1.51673	-686.005
5213_5214	5213	5214	642.4772	10.09418	0.001575	-0.08978	1.52145	659.8258
5214_5214	5214	5214	-642.485	-35.2879	0.086625	0.0567	-1.52145	-659.797
5214_5215	5214	5215	612.7506	43.52198	-0.08663	-0.0567	0.833175	463.4768
5215_5215	5215	5215	-612.749	-43.522	0.152775	-0.00473	-0.83318	-463.477
5215_5216	5215	5216	576.8028	51.7545	-0.15278	0.004725	-0.39533	226.1385
5216_5216	5216	5216	-576.804	-51.7545	0.086625	0.0252	0.395325	-226.139
5216_5217	5216	5217	534.6448	59.9886	-0.08663	-0.0252	-1.0836	-52.2239
5217_5217	5217	5217	-534.613	-83.4073	-0.07718	-0.32445	1.0836	52.19708
5217_5218	5217	5218	470.8132	91.37363	0.077175	0.32445	-0.48038	-473.447
5218_5218	5218	5218	-470.813	-91.3736	-0.00788	-0.2583	0.480375	473.4497
5218_5219	5218	5219	401.1037	99.34943	0.007875	0.2583	-0.42368	-933.707
5219_5219	5219	5219	-414.436	-99.4644	0.3276	0.537075	0.429975	1048.893
5219_5220	5219	5220	322.2072	109.253	-0.3276	-0.53708	-3.5406	-1660.09
5220_5220	5220	5220	518.5625	224.3761	0.051975	-0.9639	0.618975	6998.407
5220_5221	5220	5221	-477.351	-209.733	-0.05198	0.9513	-1.27418	-5010.69
5221_5221	5221	5221	472.9174	212.1824	0.045675	1.236375	1.09935	5010.689
5221_5222	5221	5222	-386.781	-198.247	-0.04568	-1.2474	-1.67265	-3252.1
5222_5222	5222	5222	381.2288	173.6611	0.133875	-0.1827	1.765575	3252.18
5222_5223	5222	5223	-260.108	-159.588	-0.13388	0.1575	-3.54533	-1763.37
5223_5223	5223	5223	274.3036	160.3397	0.0819	0.3969	2.28375	1659.741
5223_5224	5223	5224	-116.928	-148.055	-0.0819	-0.40635	-3.2445	-578.327
5224_5224	5224	5224	114.2741	120.53	-0.06615	0.149625	3.252375	578.3549
5224_5225	5224	5225	-19.4009	-111.729	0.06615	-0.14805	-2.7027	3.96585
5225_5225	5225	5225	18.9945	112.466	-0.0756	0.155925	2.846025	-4.0761
5225_5226	5225	5226	135.8186	-95.7443	0.0756	-0.15593	-1.68053	992.5918
5226_5226	5226	5226	-135.822	68.03843	0.014175	0.4662	1.680525	-992.584
5226_5227	5226	5227	206.1581	-55.2022	-0.01418	-0.4662	-1.85063	1441.694
5227_5227	5227	5227	-206.158	55.20218	0.007875	-0.26775	1.850625	-1441.7
5227_5228	5227	5228	261.8485	-42.3659	-0.00788	0.26775	-1.94985	1797.296
5228_5228	5228	5228	-261.817	13.92615	-0.04883	0.52605	1.94985	-1797.15
5228_5229	5228	5229	270.3881	-1.08833	0.048825	-0.52605	-1.37498	1851.877
5229_5229	5229	5229	-270.391	1.088325	-0.05355	-0.41738	1.374975	-1851.88
5229_5230	5229	5230	264.3039	11.75108	0.05355	0.417375	-0.7308	1813.009
5230_5230	5230	5230	-264.296	-40.487	0.0441	0.222075	0.7308	-1812.72
5230_5231	5230	5231	209.0293	53.68545	-0.0441	-0.22208	-1.26788	1459.828
5231_5231	5231	5231	-209.026	-53.6855	0.039375	-0.35595	1.267875	-1459.83

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5231_5232	5231	5232	138.2551	66.88553	-0.03938	0.35595	-1.74983	1007.94
5232_5232	5232	5232	-138.287	-96.5097	0.2457	-0.04253	1.749825	-1007.71
5232_5233	5232	5233	48.47535	106.4606	-0.2457	0.042525	-4.01153	451.6244
5233_5233	5233	5233	-47.4831	-106.427	0.382725	-0.13703	6.292125	-452.743
5233_5234	5233	5234	-25.252	113.8221	-0.38273	0.1449	-8.93025	-32.9746
5234_5234	5234	5234	26.61593	-113.332	0.378	-0.2583	8.9271	32.97622
5234_5235	5234	5235	-108.621	121.5396	-0.378	0.281925	-11.8519	-621.383
5235_5235	5235	5235	110.8643	-144.486	-0.41738	-0.4662	11.84558	621.4031
5235_5236	5235	5236	-175.113	150.1117	0.417375	0.439425	-9.60435	-1141.92
5236_5236	5236	5236	158.7805	-151.176	-0.66938	-0.7749	15.13103	1244.351
5236_5237	5236	5237	-234.777	161.1367	0.669375	0.704025	-9.4689	-2141.81
5237_5237	5237	5237	236.8233	-159.875	-0.67568	-0.07875	9.50985	2141.805
5237_5238	5237	5238	-284.579	167.7879	0.675675	0.00945	-5.04473	-2924.71
5238_5238	5238	5238	289.1338	-199.179	-0.7119	-1.60335	4.9266	2923.883
5238_5239	5238	5239	-357.991	211.2107	0.7119	1.4742	2.0979	-4411.8
5239_5239	5239	5239	367.0963	-205.679	-0.71978	0.515025	-1.9278	4411.807
5239_5240	5239	5240	-396.328	219.607	0.719775	-0.71505	9.6012	-6105.03
5240_5240	5240	5240	-416.545	129.6272	-0.8064	-0.20003	10.82655	1481.875
5240_5241	5240	5241	540.6188	-115.325	0.8064	0.200025	-0.9261	-473.341
5241_5241	5241	5241	-531.005	115.1845	-0.3843	0.189	0.83475	426.8471
5241_5242	5241	5242	585.9362	-108.377	0.3843	-0.189	1.419075	7.83405
5242_5242	5242	5242	-585.938	108.3773	-0.3213	0.187425	-1.41908	-7.83405
5242_5243	5242	5243	641.7873	-100.987	0.3213	-0.18743	3.46185	449.7885
5243_5243	5243	5243	-641.609	74.95425	-0.54653	0.363825	-3.46185	-449.675
5243_5244	5243	5244	698.722	-63.5292	0.546525	-0.36383	8.827875	901.6166
5244_5244	5244	5244	-698.731	63.5292	-0.26775	-0.17483	-8.82788	-901.618
5244_5245	5244	5245	746.2555	-52.1467	0.26775	0.174825	11.45025	1277.686
5245_5245	5245	5245	-746.123	32.17883	-0.32603	0.61425	-11.4503	-1277.31
5245_5246	5245	5246	768.4992	-20.3884	0.326025	-0.61425	14.76405	1454.371
5246_5246	5246	5246	-768.504	20.38838	-0.04568	-0.2646	-14.7641	-1454.37
5246_5247	5246	5247	780.3432	-9.36338	0.045675	0.2646	15.19875	1548.064
5247_5247	5247	5247	-780.293	-13.7403	0.17955	0.587475	-15.1988	-1547.67
5247_5248	5247	5248	765.3602	24.5448	-0.17955	-0.58748	13.53398	1429.5
5248_5248	5248	5248	-765.354	-24.5448	0.436275	-0.2016	-13.534	-1429.5
5248_5249	5248	5249	738.8624	36.55575	-0.43628	0.2016	9.03105	1219.874
5249_5249	5249	5249	-738.932	-55.9141	1.07415	0.1386	-9.03105	-1219.67
5249_5250	5249	5250	686.4811	67.67145	-1.07415	-0.1386	-1.83015	804.6218
5250_5250	5250	5250	-686.461	-67.6715	1.289925	-0.23468	1.83015	-804.622
5250_5251	5250	5251	628.0139	78.7311	-1.28993	0.234675	-14.0931	342.1341
5251_5251	5251	5251	-627.319	-109.952	-1.70573	-2.13728	14.0931	-342.454
5251_5252	5251	5252	569.7169	116.9831	1.705725	2.137275	-3.77528	-113.372
5252_5252	5252	5252	-569.733	-116.983	-1.57815	-2.10578	3.775275	113.3906
5252_5253	5252	5253	506.3499	124.2628	1.57815	2.105775	6.10155	-614.94
5253_5253	5253	5253	-506.867	-124.193	-1.2852	-1.84118	-5.7519	617.3307
5253_5254	5253	5254	402.5936	135.2311	1.2852	1.841175	17.95658	-1432.19
5254_5254	5254	5254	418.5137	240.912	-3.35003	17.68253	-19.0622	6284.496
5254_5255	5254	5255	-407.769	-237.505	3.350025	-17.4762	28.10273	-5860.28
5255_5255	5255	5255	401.1399	211.5572	1.611225	-1.59863	-26.1781	5857.795
5255_5256	5255	5256	-345.386	-195.886	-1.61123	1.163925	5.914125	-3981.35
5256_5256	5256	5256	341.8601	197.8184	1.6002	1.764	-6.12518	3981.328
5256_5257	5256	5257	-277.083	-186.809	-1.6002	-2.03805	-8.47823	-2696.44
5257_5257	5257	5257	272.9144	151.819	-0.1701	-0.43785	8.63415	2696.121
5257_5258	5257	5258	-228.559	-144.075	0.1701	0.45675	-7.52378	-2019.3
5258_5258	5258	5258	226.8536	145.2119	-0.1764	0.237825	7.479675	2019.31
5258_5259	5258	5259	-165.243	-136.496	0.1764	-0.2205	-6.1614	-1295.97
5259_5259	5259	5259	182.4039	135.6894	-0.11655	0.370125	3.876075	1188.051
5259_5260	5259	5260	-97.9099	-127.121	0.11655	-0.3591	-2.9799	-525.712
5260_5260	5260	5260	96.0498	101.0804	0.074025	0.209475	2.987775	525.6924

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5260_5261	5260	5261	-42.5203	-93.9992	-0.07403	-0.21263	-3.42405	-153.766
5261_5261	5261	5261	41.58158	94.4559	0.067725	0.2142	3.425625	153.7591
5261_5262	5261	5262	15.02235	-86.7101	-0.06773	-0.21578	-3.85875	206.5471
5262_5262	5262	5262	-17.1974	86.6376	0.048825	0.174825	2.846025	-194.525
5262_5263	5262	5263	114.7844	-71.8295	-0.04883	-0.17483	-3.43508	745.1357
5263_5263	5263	5263	-114.772	40.5405	-0.0189	0.310275	3.435075	-745.09
5263_5264	5263	5264	153.5468	-26.6663	0.0189	-0.31028	-3.2193	963.8701
5264_5264	5264	5264	-153.548	26.66633	-0.02205	0.055125	3.2193	-963.876
5264_5265	5264	5265	176.5906	-12.5307	0.02205	-0.05513	-2.95628	1093.886
5265_5265	5265	5265	-176.591	-17.0462	-0.02205	0.285075	2.956275	-1093.87
5265_5266	5265	5266	148.1603	31.21335	0.02205	-0.28508	-2.69798	933.4537
5266_5266	5266	5266	-148.162	-31.2134	-0.02678	-0.0567	2.697975	-933.458
5266_5267	5266	5267	104.2571	45.05603	0.026775	0.0567	-2.38928	685.7298
5267_5267	5267	5267	-104.248	-74.4266	0.0504	-0.02678	2.389275	-685.722
5267_5268	5267	5268	9.28935	88.44728	-0.0504	0.026775	-2.96415	149.9416
5268_5268	5268	5268	-9.2862	-88.4473	0.0441	-0.09293	2.96415	-149.938
5268_5269	5268	5269	-101.68	102.427	-0.0441	0.092925	-3.46815	-476.173
5269_5269	5269	5269	101.6678	-131.988	-0.09293	-0.6174	3.46815	476.269
5269_5270	5269	5270	-224.682	142.7549	0.092925	0.6174	-2.64128	-1170.36
5270_5270	5270	5270	224.6801	-142.755	-0.09608	-0.30398	2.641275	1170.37
5270_5271	5270	5271	-356.767	153.4775	0.096075	0.303975	-1.78763	-2049.74
5271_5271	5271	5271	341.4947	-153.051	-0.13388	0.092925	2.4003	2231.362
5271_5272	5271	5272	-432.063	160.8091	0.133875	-0.0945	-1.54508	-2905.51
5272_5272	5272	5272	434.4622	-191.654	0.0882	-1.62383	1.50885	2905.6
5272_5273	5272	5273	-544.569	200.1384	-0.0882	1.62855	-2.13098	-3744.16
5273_5273	5273	5273	546.7959	-197.518	0.08505	-0.88515	2.137275	3744.178
5273_5274	5273	5274	-632.81	205.5312	-0.08505	0.89145	-2.69483	-4655.13
5274_5274	5274	5274	570.8509	-206.013	0.127575	0.53865	4.3344	5072.873
5274_5275	5274	5275	-660.752	220.563	-0.12758	-0.51818	-5.75978	-6824.98
5275_5275	5275	5275	666.7306	-257.056	-2.60348	-4.2966	5.4684	6826.186
5275_5276	5275	5276	-728.866	270.4779	2.603475	3.85245	20.18048	-8835.7
5276_5276	5276	5276	733.2098	-267.574	-2.6145	2.953125	-19.7348	8835.766
5276_5277	5276	5277	-760.046	281.1218	2.6145	-3.4524	44.7174	-10918.1
5277_5277	5277	5277	768.222	-311.228	2.5389	-6.82763	-45.7112	10920.03
5277_5278	5277	5278	-782.389	322.6876	-2.5389	7.249725	26.06468	-12756.9
5278_5278	5278	5278	-449.097	179.6067	1.45845	1.96245	-14.9893	3555.18
5278_5279	5278	5279	588.2184	-167.6	-1.45845	-1.96245	1.14975	-2382.12
5279_5279	5279	5279	-546.516	167.3312	1.617525	2.672775	-1.03005	2232.183
5279_5280	5279	5280	638.6326	-159.08	-1.61753	-2.67278	-9.5382	-1534.39
5280_5280	5280	5280	-639.059	119.1236	-1.86795	-0.08978	9.5382	1534.608
5280_5281	5280	5281	751.664	-104.393	1.86795	0.089775	12.24405	-681.614
5281_5281	5281	5281	-751.7	104.3926	-1.59548	0.20475	-12.2441	681.6143
5281_5282	5281	5282	855.2171	-88.7198	1.595475	-0.20475	32.04023	102.5325
5282_5282	5282	5282	-955.701	57.22448	2.849175	-0.0378	-97.2752	366.6962
5282_5283	5282	5283	999.8636	-46.4483	-2.84918	0.0378	61.97625	98.847
5283_5283	5283	5283	-999.83	46.44833	3.831975	-0.12128	-61.9763	-98.8454
5283_5284	5283	5284	1033.069	-36.2864	-3.83198	0.121275	17.20215	449.2278
5284_5284	5284	5284	-1033.35	-13.4521	-1.64273	0.40635	-17.2022	-449.289
5284_5285	5284	5285	1019.113	23.2596	1.642725	-0.40635	35.721	299.2563
5285_5285	5285	5285	-1019.12	-23.2596	-0.88673	0.21105	-35.721	-299.258
5285_5286	5285	5286	999.9848	32.0166	0.886725	-0.21105	44.65283	97.51928
5286_5286	5286	5286	-1000.07	-73.3352	3.063375	-0.0693	-44.6528	-97.4925
5286_5287	5286	5287	938.6307	83.2608	-3.06338	0.0693	9.6957	-550.151
5287_5287	5287	5287	-938.593	-83.2608	4.153275	0.4473	-9.6957	550.1491
5287_5288	5287	5288	868.9905	93.23685	-4.15328	-0.4473	-37.9433	-1283.85
5288_5288	5288	5288	-869.367	-111.89	-2.90903	-3.33113	37.94333	1284.168
5288_5289	5288	5289	838.1189	115.3672	2.909025	3.331125	-26.3072	-1613.56
5289_5289	5289	5289	-868.438	-115.512	-2.5074	-3.00825	26.80808	1685.137

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5289_5290	5289	5290	791.9541	123.7856	2.5074	3.00825	-2.9862	-2573.02
5290_5290	5290	5290	531.3767	407.8951	-2.83658	2.288475	-16.7202	11473.42
5290_5291	5290	5291	-460.371	-397.218	2.836575	-1.90418	46.30658	-8052.15
5291_5291	5291	5291	448.2119	350.3887	1.787625	-3.93593	-45.5947	8052.943
5291_5292	5291	5292	-346.798	-339.746	-1.78763	3.7233	26.2143	-5116.75
5292_5292	5292	5292	339.3054	341.9199	1.76085	2.3625	-26.649	5116.732
5292_5293	5292	5293	-206.331	-332.771	-1.76085	-2.5011	9.524025	-2591.85
5293_5293	5293	5293	198.9587	286.3287	-0.22838	-0.43943	-9.33975	2592.126
5293_5294	5293	5294	-96.6877	-279.692	0.228375	0.448875	11.00138	-1049.08
5294_5294	5294	5294	101.5513	278.3466	-0.16538	0.256725	-7.42928	974.9188
5294_5295	5294	5295	32.61195	-271.651	0.165375	-0.25358	8.686125	599.76
5295_5295	5295	5295	-35.5289	271.8828	-0.1764	0.077175	-8.6814	-599.763
5295_5296	5295	5296	178.1609	-264.724	0.1764	-0.07718	10.1241	2122.702
5296_5296	5296	5296	-178.246	223.8327	0.28035	1.4679	-10.1241	-2122.86
5296_5297	5296	5297	237.9227	-220.113	-0.28035	-1.4679	8.96175	2760.31
5297_5297	5297	5297	-201.198	221.8718	0.420525	1.608075	-13.723	-2967.46
5297_5298	5297	5298	312.8864	-213.501	-0.42053	-1.60808	9.826425	4453.357
5298_5298	5298	5298	-312.883	213.5007	0.404775	-1.4868	-9.82643	-4453.36
5298_5299	5298	5299	419.1674	-205.216	-0.40478	1.4868	6.1236	5867.355
5299_5299	5299	5299	-419.211	161.2816	0.07875	5.117175	-6.1236	-5867.83
5299_5300	5299	5300	520.0178	-150.737	-0.07875	-5.11718	5.21325	7208.962
5300_5300	5300	5300	-520.018	150.737	0.0504	-3.04763	-5.21325	-7208.98
5300_5301	5300	5301	619.6617	-139.536	-0.0504	3.047625	4.58325	8534.635
5301_5301	5301	5301	-619.709	94.38188	0.149625	6.1236	-4.58325	-8535.33
5301_5302	5301	5302	681.1844	-83.0781	-0.14963	-6.1236	2.71845	9353.199
5302_5302	5302	5302	-681.184	83.0781	0.12285	-4.37535	-2.71845	-9353.21
5302_5303	5302	5303	730.9638	-72.6453	-0.12285	4.37535	1.308825	10015.48
5303_5303	5303	5303	-731.017	27.63495	0.09135	7.14105	-1.30883	-10016.2
5303_5304	5303	5304	746.6965	-15.8744	-0.09135	-7.14105	0.114975	10224.81
5304_5304	5304	5304	-746.696	15.87443	0.061425	-5.82278	-0.11498	-10224.8
5304_5305	5304	5305	753.3556	-5.8905	-0.06143	5.822775	-0.56228	10313.41
5305_5305	5305	5305	-753.408	-38.9356	0.24255	5.847975	0.562275	-10314.2
5305_5306	5305	5306	723.7676	49.833	-0.24255	-5.84798	-3.4776	9919.841
5306_5306	5306	5306	-723.766	-49.833	0.218925	-3.57368	3.4776	-9919.85
5306_5307	5306	5307	687.0922	60.66428	-0.21893	3.573675	-6.10155	9431.96
5307_5307	5307	5307	-687.141	-105.678	0.0693	5.914125	6.10155	-9432.64
5307_5308	5307	5308	614.0547	116.4177	-0.0693	-5.91413	-6.9174	8460.297
5308_5308	5308	5308	-614.055	-116.418	0.04095	-3.8682	6.9174	-8460.31
5308_5309	5308	5309	531.8444	127.4207	-0.04095	3.8682	-7.41668	7366.584
5309_5309	5309	5309	-531.824	-169.024	1.532475	3.885525	7.416675	-7367.02
5309_5310	5309	5310	415.3921	179.9138	-1.53248	-3.88553	-25.8851	5818.012
5310_5310	5310	5310	-415.375	-179.914	1.507275	-2.4129	25.88513	-5818.02
5310_5311	5310	5311	292.205	190.7577	-1.50728	2.4129	-43.9661	4179.384
5311_5311	5311	5311	-292.307	-238.361	-1.86165	0.83475	43.96613	-4179.57
5311_5312	5311	5312	121.9696	249.7493	1.86165	-0.83475	-20.5144	1913.416
5312_5312	5312	5312	-121.996	-249.749	-1.89473	-1.79393	20.51438	-1913.41
5312_5313	5312	5313	-30.7708	259.538	1.894725	1.793925	0	-118.999
5400_5020	5400	5020	1077.355	-124.949	8.846775	0.252	-87.9086	-2050.69
5400_5401	5400	5401	-1077.36	124.9495	-8.84678	-0.252	51.74033	1499.635
5401_5401	5401	5401	1076.177	-121.894	5.3235	0.886725	-50.8851	-1499.65
5401_5402	5401	5402	-1076.18	121.894	-5.3235	-0.88673	32.31585	1074.421
5402_5402	5402	5402	1078.799	-96.0372	3.327975	-0.37958	-32.8829	-1074.4
5402_5403	5402	5403	-1078.8	96.0372	-3.32798	0.379575	-3.46343	25.53075
5403_5403	5403	5403	1071.61	-62.8992	0.316575	-0.17168	2.600325	-25.5308
5403_5404	5403	5404	-1071.61	62.8992	-0.31658	0.171675	-4.88093	-427.721
5404_5404	5404	5404	1072.766	-38.4237	-0.5166	0.05355	4.994325	427.7196
5404_5405	5404	5405	-1072.77	38.4237	0.5166	-0.05355	-1.26315	-705.093
5405_5405	5405	5405	1069.2	-0.52448	0.140175	-0.04725	0.77805	705.0929

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5405_5406	5405	5406	-1069.2	0.524475	-0.14018	0.04725	-2.7972	-712.656
5406_5406	5406	5406	1067.718	37.52123	-0.16538	-0.25988	2.367225	712.6576
5406_5407	5406	5407	-1067.72	-37.5212	0.165375	0.259875	-0.90405	-380.284
5407_5407	5407	5407	1066.692	59.94135	-1.7514	0.272475	1.151325	380.2838
5407_5408	5407	5408	-1066.69	-59.9414	1.7514	-0.27248	8.5743	-47.3335
5408_5408	5408	5408	1058.52	-164.621	1.28205	-0.4221	-9.27045	47.3319
5408_5409	5408	5409	-1058.52	164.6206	-1.28205	0.4221	5.403825	-544.214
5409_5409	5409	5409	1057.639	162.0344	3.816225	0.366975	-5.38965	544.4397
5409_5410	5409	5410	-1057.64	-162.034	-3.81623	-0.36698	-6.1677	-53.6272
5410_5410	5410	5410	1071.176	-63.5182	-0.89933	0.181125	5.677875	53.63978
5410_5411	5410	5411	-1071.18	63.51818	0.899325	-0.18113	-0.6867	-406.396
5411_5411	5411	5411	1072.274	-41.0193	0.218925	-0.24885	0.870975	406.3941
5411_5412	5411	5412	-1072.27	41.0193	-0.21893	0.24885	-2.80823	-769.679
5412_5412	5412	5412	1079.714	-2.72633	0.1323	-0.09293	2.33415	769.6852
5412_5413	5412	5413	-1079.71	2.726325	-0.1323	0.092925	-4.23675	-808.994
5413_5413	5413	5413	1088.471	34.86735	-0.55125	0.15435	3.8619	809.0098
5413_5414	5413	5414	-1088.47	-34.8674	0.55125	-0.15435	0.111825	-557.471
5414_5414	5414	5414	1087.391	59.7177	0.3402	-0.30713	0.0441	557.4713
5414_5415	5414	5415	-1087.39	-59.7177	-0.3402	0.307125	-2.49795	-127.441
5415_5415	5415	5415	1097.682	92.97855	0.9513	0.72765	2.898	127.4348
5415_5416	5415	5416	-1097.68	-92.9786	-0.9513	-0.72765	-13.2914	887.9992
5416_5416	5416	5416	1095.09	119.689	-2.62553	-2.58458	14.10098	-887.983
5416_5417	5416	5417	-1095.09	-119.689	2.625525	2.584575	-4.92818	1306.073
5417_5417	5417	5417	1096.747	119.993	-9.23423	-0.21893	5.481	-1306.08
5417_5036	5417	5036	-1096.75	-119.993	9.234225	0.218925	32.04968	1811.684
5420_5056	5420	5056	913.163	-113.559	4.685625	0.12285	-22.9021	-1983.29
5420_5421	5420	5421	-913.163	113.5591	-4.68563	-0.12285	3.71385	1498.668
5421_5421	5421	5421	911.6935	-110.771	0.763875	0.50085	-3.97845	-1498.67
5421_5422	5421	5422	-911.693	110.7713	-0.76388	-0.50085	1.318275	1112.446
5422_5422	5422	5422	914.0875	-88.8725	0.240975	-0.12128	-1.49783	-1112.45
5422_5423	5422	5423	-914.087	88.87253	-0.24098	0.121275	-1.1403	142.243
5423_5423	5423	5423	907.1874	-61.3006	0.439425	-0.04568	0.574875	-142.245
5423_5424	5423	5424	-907.187	61.30058	-0.43943	0.045675	-3.75008	-299.941
5424_5424	5424	5424	908.3844	-39.7735	-0.2772	0.105525	3.831975	299.9399
5424_5425	5424	5425	-908.384	39.77348	0.2772	-0.10553	-1.8396	-586.613
5425_5425	5425	5425	905.0171	-8.3034	-0.06615	0.036225	1.841175	586.6119
5425_5426	5425	5426	-905.017	8.3034	0.06615	-0.03623	-0.89145	-706.336
5426_5426	5426	5426	903.1901	24.32588	0.322875	-0.33863	0.710325	706.334
5426_5427	5426	5427	-903.19	-24.3259	-0.32288	0.338625	-3.57368	-490.983
5427_5427	5427	5427	902.5034	42.78488	-1.69943	0.666225	4.06035	490.9795
5427_5428	5427	5428	-902.503	-42.7849	1.699425	-0.66623	5.3865	-253.175
5428_5428	5428	5428	893.6881	-146.844	0.782775	-0.76703	-5.75033	253.1671
5428_5429	5428	5429	-893.688	146.8436	-0.78278	0.767025	3.38625	-696.604
5429_5429	5429	5429	893.8645	148.5162	-2.29005	0.75285	-3.3831	696.9753
5429_5430	5429	5430	-893.864	-148.516	2.29005	-0.75285	10.3194	-247.136
5430_5430	5430	5430	906.5243	-42.7124	1.00485	-0.1008	-9.4815	247.1317
5430_5431	5430	5431	-906.524	42.71243	-1.00485	0.1008	3.90285	-484.144
5431_5431	5431	5431	907.2362	-23.1352	0.792225	0.096075	-3.95168	484.1424
5431_5432	5431	5432	-907.236	23.13518	-0.79223	-0.09608	-3.06495	-689.143
5432_5432	5432	5432	912.6857	9.12555	-0.12285	0.026775	2.98935	689.1554
5432_5433	5432	5433	-912.686	-9.12555	0.12285	-0.02678	-1.22693	-557.619
5433_5433	5433	5433	919.6472	41.03033	0.184275	0.014175	1.538775	557.6288
5433_5434	5433	5434	-919.647	-41.0303	-0.18428	-0.01418	-2.87123	-261.636
5434_5434	5434	5434	918.4723	61.98885	-0.12285	0.0378	2.8413	261.6359
5434_5435	5434	5435	-918.472	-61.9889	0.12285	-0.0378	-1.95458	184.6955
5435_5435	5435	5435	928.2814	90.5499	-1.18755	-0.39848	2.868075	-184.683
5435_5436	5435	5436	-928.281	-90.5499	1.18755	0.398475	10.11308	1174.352
5436_5436	5436	5436	925.8984	112.3322	-0.00473	1.390725	-10.5352	-1174.35

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5436_5437	5436	5437	-925.898	-112.332	0.004725	-1.39073	10.54935	1565.799
5437_5437	5437	5437	927.4435	115.1057	-9.52875	-0.25043	-8.60423	-1565.86
5437_5072	5437	5072	-927.443	-115.106	9.52875	0.250425	47.59178	2057.185
5440_5094	5440	5094	978.7806	-106.322	3.038175	0.1512	-22.6107	-1553.15
5440_5441	5440	5441	-978.781	106.322	-3.03818	-0.1512	10.1934	1118.601
5441_5441	5441	5441	976.7237	-103.805	1.54035	0.524475	-10.0595	-1118.6
5441_5442	5441	5442	-976.724	103.8051	-1.54035	-0.52448	4.682475	756.3323
5442_5442	5442	5442	978.935	-80.3423	0.4851	-0.19845	-4.914	-756.331
5442_5443	5442	5443	-978.935	80.34233	-0.4851	0.19845	-0.38588	-121.44
5443_5443	5443	5443	970.7528	-50.0267	0.641025	-0.24728	0.127575	121.4341
5443_5444	5443	5444	-970.753	50.02673	-0.64103	0.247275	-4.7439	-481.663
5444_5444	5444	5444	971.6411	-27.8649	-0.51975	0.2268	4.94235	481.6618
5444_5445	5444	5445	-971.641	27.8649	0.51975	-0.2268	-1.19228	-682.682
5445_5445	5445	5445	966.8941	6.1929	-0.15593	0.001575	1.7955	682.6838
5445_5446	5445	5446	-966.894	-6.1929	0.155925	-0.00158	0.4536	-593.424
5446_5446	5446	5446	963.3283	40.66965	0.9261	0.004725	-0.06143	593.4254
5446_5447	5446	5447	-963.328	-40.6697	-0.9261	-0.00473	-8.13803	-233.209
5447_5447	5447	5447	962.2888	60.47213	0.3843	-0.03465	8.194725	233.2055
5447_5448	5447	5448	-962.289	-60.4721	-0.3843	0.03465	-10.3304	102.9719
5448_5448	5448	5448	954.9083	-142.1	-3.29805	1.6821	11.29275	-102.975
5448_5449	5448	5449	-954.908	142.0997	3.29805	-1.6821	-1.31828	-326.732
5449_5449	5449	5449	954.8406	141.8272	2.97675	-1.77188	1.33875	326.7968
5449_5450	5449	5450	-954.841	-141.827	-2.97675	1.771875	-10.343	102.1718
5450_5450	5450	5450	963.4055	-61.5195	-0.77648	0.07875	9.798075	-102.164
5450_5451	5450	5451	-963.405	61.5195	0.776475	-0.07875	-5.48573	-239.312
5451_5451	5451	5451	964.4969	-40.9736	-0.53078	-0.09765	5.5125	239.3118
5451_5452	5451	5452	-964.497	40.97363	0.530775	0.09765	-0.8127	-602.25
5452_5452	5452	5452	969.5102	-6.50633	0.07245	-0.03308	0.42525	602.2517
5452_5453	5452	5453	-969.51	6.506325	-0.07245	0.033075	-1.46475	-696.046
5453_5453	5453	5453	975.6401	27.48848	0.074025	-0.05355	1.261575	696.0492
5453_5454	5453	5454	-975.64	-27.4885	-0.07403	0.05355	-1.79235	-497.75
5454_5454	5454	5454	974.7392	50.14958	-0.12128	0.0063	1.7577	497.7504
5454_5455	5454	5455	-974.739	-50.1496	0.121275	-0.0063	-0.87885	-136.187
5455_5455	5455	5455	983.9214	79.79265	0.341775	0.181125	1.129275	136.1903
5455_5456	5455	5456	-983.921	-79.7927	-0.34178	-0.18113	-4.86675	734.7265
5456_5456	5456	5456	981.6975	103.6161	-0.57173	-0.63945	5.057325	-734.725
5456_5457	5456	5457	-981.698	-103.616	0.571725	0.63945	-3.06338	1096.268
5457_5457	5457	5457	983.819	106.5661	-3.77843	-0.06773	3.60675	-1096.26
5457_5110	5457	5110	-983.819	-106.566	3.778425	0.067725	11.8692	1548.107
5460_5132	5460	5132	904.3083	-118.136	-7.95375	-0.10238	40.24283	-2102.5
5460_5461	5460	5461	-904.308	118.136	7.95375	0.102375	-7.59623	1556.391
5461_5461	5461	5461	902.4782	-114.12	-1.8774	-0.78278	8.579025	-1556.39
5461_5462	5461	5462	-902.478	114.1198	1.8774	0.782775	-2.0286	1158.331
5462_5462	5462	5462	904.9572	-92.4352	-1.07415	0.228375	2.319975	-1158.33
5462_5463	5462	5463	-904.957	92.43518	1.07415	-0.22838	9.410625	148.9052
5463_5463	5463	5463	896.3577	-62.4755	-0.5292	0.263025	-8.24513	-148.945
5463_5464	5463	5464	-896.358	62.47553	0.5292	-0.26303	12.05505	-301.324
5464_5464	5464	5464	897.5657	-41.6336	1.973475	-0.31185	-12.3464	301.3117
5464_5465	5464	5465	-897.566	41.63355	-1.97348	0.31185	-1.8837	-601.549
5465_5465	5465	5465	892.5824	-7.8939	-0.08505	-0.03465	1.70415	601.5303
5465_5466	5465	5466	-892.582	7.8939	0.08505	0.03465	-0.46778	-715.283
5466_5466	5466	5466	887.7425	26.33873	-0.4914	0.275625	0.77805	715.2926
5466_5467	5466	5467	-887.742	-26.3387	0.4914	-0.27563	3.576825	-482.081
5467_5467	5467	5467	887.0117	44.58038	1.18125	-0.54023	-3.98003	482.0776
5467_5468	5467	5468	-887.012	-44.5804	-1.18125	0.540225	-2.58458	-234.311
5468_5468	5468	5468	875.4512	-138.529	0.363825	-0.1764	2.697975	234.3049
5468_5469	5468	5469	-875.451	138.5291	-0.36383	0.1764	-3.79733	-653.088
5469_5469	5469	5469	873.9344	138.7465	0.12915	0.1386	-5.79443	648.2448

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5469_5470	5469	5470	-873.934	-138.746	-0.12915	-0.1386	5.40225	-228.803
5470_5470	5470	5470	885.9312	-44.0843	0.7938	-0.2583	-5.14553	228.816
5470_5471	5470	5471	-885.931	44.08425	-0.7938	0.2583	0.7371	-473.821
5471_5471	5471	5471	886.662	-25.4615	0.126	0.108675	-0.89618	473.8214
5471_5472	5471	5472	-886.662	25.46145	-0.126	-0.10868	-0.2142	-699.498
5472_5472	5472	5472	892.1115	7.867125	0.102375	-0.02363	-0.04883	699.4859
5472_5473	5472	5473	-892.112	-7.86713	-0.10238	0.023625	-1.43483	-586.127
5473_5473	5473	5473	898.0225	40.10738	-0.17483	-0.0252	1.009575	586.1315
5473_5474	5473	5474	-898.022	-40.1074	0.174825	0.0252	0.252	-296.9
5474_5474	5474	5474	896.8475	60.96983	-0.23783	0.001575	-0.2583	296.9001
5474_5475	5474	5475	-896.848	-60.9698	0.237825	-0.00158	1.970325	142.5233
5475_5475	5475	5475	905.4014	88.74653	0.8316	-0.063	-2.32313	-142.523
5475_5476	5475	5476	-905.401	-88.7465	-0.8316	0.063	-6.76463	1111.725
5476_5476	5476	5476	903.0121	110.4437	1.185975	0.225225	6.6402	-1111.72
5476_5477	5476	5477	-903.012	-110.444	-1.18598	-0.22523	-10.7762	1496.989
5477_5477	5477	5477	904.7162	113.1197	0.760725	0.0819	11.79045	-1496.96
5477_5148	5477	5148	-904.716	-113.12	-0.76073	-0.0819	-14.909	1960.171
5480_5168	5480	5168	914.582	-123.948	1.085175	0.089775	-2.24595	-2339.79
5480_5481	5480	5481	-914.582	123.9478	-1.08518	-0.08978	-2.19555	1832.215
5481_5481	5481	5481	913.226	-121.491	-1.56555	-2.71058	0.75915	-1832.18
5481_5482	5481	5482	-913.226	121.4908	1.56555	2.710575	4.6998	1408.387
5482_5482	5482	5482	915.905	-99.3164	0.612675	0.8631	-3.75008	-1408.39
5482_5483	5482	5483	-915.905	99.31635	-0.61268	-0.8631	-2.93423	324.6973
5483_5483	5483	5483	909.4176	-71.4152	-0.75443	0.096075	2.8728	-324.7
5483_5484	5483	5484	-909.418	71.41523	0.754425	-0.09608	2.56725	-190.006
5484_5484	5484	5484	910.832	-50.263	0.546525	-0.12128	-2.66175	190.0064
5484_5485	5484	5485	-910.832	50.26298	-0.54653	0.121275	-1.28205	-552.477
5485_5485	5485	5485	907.0031	-17.618	-0.13703	-0.0189	1.54665	552.4769
5485_5486	5485	5486	-907.003	17.61795	0.137025	0.0189	0.426825	-806.502
5486_5486	5486	5486	903.5901	17.00685	-0.3528	0.118125	-0.49613	806.5229
5486_5487	5486	5487	-903.59	-17.0069	0.3528	-0.11813	3.6162	-655.94
5487_5487	5487	5487	903.0499	35.58083	0.313425	-0.28193	-3.83198	655.9387
5487_5488	5487	5488	-903.05	-35.5808	-0.31343	0.281925	2.08845	-458.191
5488_5488	5488	5488	889.9191	-150.855	-0.92138	-0.56228	-1.88055	458.1864
5488_5489	5488	5489	-889.919	150.8551	0.921375	0.562275	4.666725	-914.234
5489_5489	5489	5489	894.0913	152.2206	-1.64745	0.53235	-0.97178	926.1977
5489_5490	5489	5490	-894.091	-152.221	1.64745	-0.53235	5.95035	-466.02
5490_5490	5490	5490	907.8914	-35.1792	0.90405	-0.3339	-5.34083	466.0331
5490_5491	5490	5491	-907.891	35.1792	-0.90405	0.3339	0.316575	-661.549
5491_5491	5491	5491	908.4238	-16.506	0.234675	0.155925	-0.53235	661.5488
5491_5492	5491	5492	-908.424	16.506	-0.23468	-0.15593	-1.5435	-807.696
5492_5492	5492	5492	912.3219	18.21488	-0.19215	-0.0126	1.362375	807.701
5492_5493	5492	5493	-912.322	-18.2149	0.19215	0.0126	1.415925	-545.07
5493_5493	5493	5493	916.7855	51.05048	0.50085	-0.11813	-1.21748	545.076
5493_5494	5493	5494	-916.785	-51.0505	-0.50085	0.118125	-2.39873	-176.928
5494_5494	5494	5494	915.3506	72.33975	-0.80798	0.086625	2.310525	176.9292
5494_5495	5494	5495	-915.351	-72.3398	0.807975	-0.08663	3.5154	344.4478
5495_5495	5495	5495	922.6791	100.6598	0.924525	0.880425	-3.69023	-344.443
5495_5496	5495	5496	-922.679	-100.66	-0.92453	-0.88043	-6.39923	1443.758
5496_5496	5496	5496	919.9985	122.7618	-1.26	-2.82713	7.36785	-1443.75
5496_5497	5496	5497	-919.998	-122.762	1.26	2.827125	-2.97203	1871.971
5497_5497	5497	5497	921.1829	125.3369	0.7686	0.126	1.5624	-1872.02
5497_5184	5497	5184	-921.183	-125.337	-0.7686	-0.126	-4.71083	2432.98
5500_5204	5500	5204	1026.056	-132.59	-1.67895	0.026775	0.707175	-2432.23
5500_5501	5500	5501	-1026.06	132.5898	1.67895	-0.02678	6.1677	1865.203
5501_5501	5501	5501	1025.21	-129.89	0.8442	0.477225	-5.06048	-1865.25
5501_5502	5501	5502	-1025.21	129.8903	-0.8442	-0.47723	2.1168	1412.148
5502_5502	5502	5502	1028.032	-105.256	0.442575	-0.04095	-2.27115	-1412.15

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5502_5503	5502	5503	-1028.03	105.2557	-0.44258	0.04095	-2.56253	262.6391
5503_5503	5503	5503	1019.236	-74.1951	-0.82688	0.203175	2.58615	-262.631
5503_5504	5503	5504	-1019.24	74.1951	0.826875	-0.20318	3.368925	-272.113
5504_5504	5504	5504	1020.685	-50.4898	0.634725	-0.11498	-3.50438	272.1112
5504_5505	5504	5505	-1020.69	50.48978	-0.63473	0.114975	-1.0773	-636.221
5505_5505	5505	5505	1014.206	-15.3468	-0.23468	0.058275	1.460025	636.2102
5505_5506	5505	5506	-1014.21	15.3468	0.234675	-0.05828	1.913625	-857.495
5506_5506	5506	5506	1008.983	20.78213	0.92295	0.253575	-1.97033	857.5025
5506_5507	5506	5507	-1008.98	-20.7821	-0.92295	-0.25358	-6.1992	-673.479
5507_5507	5507	5507	1008.34	41.5233	1.66635	-0.36225	5.9787	673.481
5507_5508	5507	5508	-1008.34	-41.5233	-1.66635	0.36225	-15.2444	-442.707
5508_5508	5508	5508	992.5004	-169.81	-2.21288	1.374975	16.14533	442.6648
5508_5509	5508	5509	-992.5	169.8102	2.212875	-1.37498	-9.4563	-956.016
5509_5509	5509	5509	992.6564	170.552	-1.52618	-1.42065	9.467325	955.9148
5509_5510	5509	5510	-992.656	-170.552	1.526175	1.42065	-4.851	-440.321
5510_5510	5510	5510	1004.467	-40.5641	0.78435	-0.64575	5.217975	440.3243
5510_5511	5510	5511	-1004.47	40.56413	-0.78435	0.64575	-9.57758	-665.765
5511_5511	5511	5511	1005.089	-19.908	-1.1025	0.3969	9.023175	665.773
5511_5512	5511	5512	-1005.09	19.908	1.1025	-0.3969	0.732375	-842.042
5512_5512	5512	5512	1006.016	16.2792	0.029925	-0.01418	-0.2205	842.0533
5512_5513	5512	5513	-1006.02	-16.2792	-0.02993	0.014175	-0.21105	-607.344
5513_5513	5513	5513	1007.822	51.3513	0.52605	-0.10868	0.366975	607.3452
5513_5514	5513	5514	-1007.82	-51.3513	-0.52605	0.108675	-4.16115	-237.028
5514_5514	5514	5514	1006.389	74.32268	-0.90248	0.140175	4.0446	237.0296
5514_5515	5514	5515	-1006.39	-74.3227	0.902475	-0.14018	2.4507	297.9239
5515_5515	5515	5515	1010.355	105.5203	0.80325	0.7371	-2.32943	-297.91
5515_5516	5515	5516	-1010.35	-105.52	-0.80325	-0.7371	-6.43545	1450.288
5516_5516	5516	5516	1007.532	129.7249	-0.69615	-1.65218	7.04655	-1450.28
5516_5517	5516	5517	-1007.53	-129.725	0.69615	1.652175	-4.61948	1902.795
5517_5517	5517	5517	1008.194	131.8559	-15.246	-0.88673	11.1069	-1902.58
5517_5220	5517	5220	-1008.19	-131.856	15.246	0.886725	51.32138	2442.49
5520_5240	5520	5240	982.3779	-243.257	21.9681	1.2726	-202.312	-3846.12
5520_5521	5520	5521	-982.378	243.2572	-21.9681	-1.2726	52.39238	2186.046
5521_5521	5521	5521	1005.121	-138.6	7.942725	5.539275	-52.6428	-2186.47
5521_5522	5521	5522	-1005.12	138.6	-7.94273	-5.53928	24.885	1702.062
5522_5522	5522	5522	1008.257	-113.786	3.68235	-1.28678	-26.9199	-1702.04
5522_5523	5522	5523	-1008.26	113.7859	-3.68235	1.286775	-13.2725	459.941
5523_5523	5523	5523	1006.112	-87.4031	0.51975	-0.13388	11.2707	-459.561
5523_5524	5523	5524	-1006.11	87.40305	-0.51975	0.133875	-15.0208	-170.149
5524_5524	5524	5524	1007.865	-64.0616	-2.69483	0.074025	15.20978	170.1331
5524_5525	5524	5525	-1007.86	64.06155	2.694825	-0.07403	4.21785	-632.04
5525_5525	5525	5525	1005.77	-33.2876	-0.60008	-0.17483	-4.9014	631.649
5525_5526	5525	5526	-1005.77	33.28763	0.600075	0.174825	13.5639	-1111.57
5526_5526	5526	5526	1004.526	-0.11025	1.21275	-0.75915	-12.9544	1110.614
5526_5527	5526	5527	-1004.53	0.11025	-1.21275	0.75915	2.203425	-1111.58
5527_5527	5527	5527	1004.305	21.07193	0.0567	0.555975	-1.63643	1111.586
5527_5528	5527	5528	-1004.31	-21.0719	-0.0567	-0.55598	1.323	-994.543
5528_5528	5528	5528	987.1958	-190.11	-2.12783	-1.67265	0.28665	993.4628
5528_5529	5528	5529	-987.196	190.1104	2.127825	1.67265	6.147225	-1568.27
5529_5529	5529	5529	987.6006	192.2508	-0.02835	0.603225	-5.90783	1567.267
5529_5530	5529	5530	-987.601	-192.251	0.02835	-0.60323	5.992875	-986.148
5530_5530	5530	5530	1006.513	-17.9771	3.668175	-1.57973	-6.9993	985.2381
5530_5531	5530	5531	-1006.51	17.97705	-3.66818	1.579725	-13.3781	-1085.11
5531_5531	5531	5531	1006.674	2.898	1.58445	0.3906	12.36533	1085.126
5531_5532	5531	5532	-1006.67	-2.898	-1.58445	-0.3906	-26.4033	-1059.46
5532_5532	5532	5532	1008.643	39.9987	-0.55283	-0.31658	25.326	1059.027
5532_5533	5532	5533	-1008.64	-39.9987	0.552825	0.316575	-17.3628	-482.164
5533_5533	5533	5533	1008.704	76.43633	-0.9576	0.19845	16.91393	482.0303

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5533_5534	5533	5534	-1008.7	-76.4363	0.9576	-0.19845	-10.006	69.17243
5534_5534	5534	5534	1006.65	99.8928	-1.66793	-0.08505	10.02488	-69.1693
5534_5535	5534	5535	-1006.65	-99.8928	1.667925	0.08505	1.992375	789.1805
5535_5535	5535	5535	1003.377	132.4103	7.359975	0.996975	-0.40163	-788.544
5535_5536	5535	5536	-1003.38	-132.41	-7.35998	-0.99698	-79.9817	2234.613
5536_5536	5536	5536	999.9565	156.1471	7.586775	-0.3717	79.84305	-2234.62
5536_5537	5536	5537	-999.956	-156.147	-7.58678	0.3717	-106.276	2778.705
5537_5537	5537	5537	1005.414	158.1237	-24.5779	-6.7725	111.7982	-2778.4
5537_5254	5537	5254	-1005.41	-158.124	24.57788	6.7725	-11.151	3425.904
5540_5278	5540	5278	1484.485	-175.883	14.01278	13.31505	-120.242	-2846.09
5540_5541	5540	5541	-1484.48	175.8834	-14.0128	-13.3151	62.94803	2071.149
5541_5541	5541	5541	1486.098	-171.944	7.148925	2.1987	-64.3088	-2074.74
5541_5542	5541	5542	-1486.1	171.9443	-7.14893	-2.1987	39.32775	1473.863
5542_5542	5542	5542	1489.878	-135.45	4.159575	0.124425	-40.1515	-1473.84
5542_5543	5542	5543	-1489.88	135.45	-4.15958	-0.12443	-5.26523	-5.17073
5543_5543	5543	5543	1490.207	-89.5419	0.562275	-1.37025	2.7468	4.27455
5543_5544	5543	5544	-1490.21	89.5419	-0.56228	1.37025	-6.79928	-649.653
5544_5544	5544	5544	1491.9	-54.3753	-3.5469	0.281925	7.40565	649.6481
5544_5545	5544	5545	-1491.9	54.3753	3.5469	-0.28193	18.144	-1041.41
5545_5545	5545	5545	1486.661	-3.8052	0.004725	-0.77805	-19.0859	1039.628
5545_5546	5545	5546	-1486.66	3.8052	-0.00473	0.77805	19.026	-1094.5
5546_5546	5546	5546	1479.479	48.0186	5.258925	-0.72293	-19.0748	1093.011
5546_5547	5546	5547	-1479.48	-48.0186	-5.25893	0.722925	-27.4932	-667.822
5547_5547	5547	5547	1478.197	78.17828	3.0996	-0.33075	27.909	667.8047
5547_5548	5547	5548	-1478.2	-78.1783	-3.0996	0.33075	-45.1411	-233.146
5548_5548	5548	5548	1462.323	-231.604	-4.54388	2.5011	46.38218	230.3264
5548_5549	5548	5549	-1462.32	231.6038	4.543875	-2.5011	-32.6482	-930.412
5549_5549	5549	5549	1468.325	231.0667	-2.2239	-3.18623	32.91278	933.2048
5549_5550	5549	5550	-1468.33	-231.067	2.2239	3.186225	-26.2883	-245.19
5550_5550	5550	5550	1481.699	-89.0395	3.99735	-0.9135	25.67093	243.9108
5550_5551	5550	5551	-1481.7	89.03948	-3.99735	0.9135	-48.3163	-748.273
5551_5551	5551	5551	1483.34	-55.4731	0.8064	-0.42525	47.56815	748.3203
5551_5552	5551	5552	-1483.34	55.47308	-0.8064	0.42525	-54.3643	-1215.53
5552_5552	5552	5552	1486.676	3.78315	-0.07875	-0.88988	52.94835	1215.302
5552_5553	5552	5553	-1486.68	-3.78315	0.07875	0.889875	-51.8443	-1162.05
5553_5553	5553	5553	1490.673	59.89253	-2.709	-0.37958	50.25668	1161.756
5553_5554	5553	5554	-1490.67	-59.8925	2.709	0.379575	-31.1803	-740.055
5554_5554	5554	5554	1488.635	98.217	-4.38795	-0.3276	30.87788	740.0673
5554_5555	5554	5555	-1488.63	-98.217	4.38795	0.3276	0.036225	-48.173
5555_5555	5555	5555	1493.136	151.0252	-4.36433	1.57185	-0.09923	48.83288
5555_5556	5555	5556	-1493.14	-151.025	4.364325	-1.57185	46.60898	1560.71
5556_5556	5556	5556	1488.342	192.4981	-7.94273	-1.01745	-45.5285	-1560.74
5556_5557	5556	5557	-1488.34	-192.498	7.942725	1.01745	72.76185	2220.734
5557_5557	5557	5557	1485.816	195.2654	-1.91363	-2.27273	-73.1556	-2220.93
5557_5290	5557	5290	-1485.82	-195.265	1.913625	2.272725	83.66558	3359.367
45000_5000	45000	5000	3.656363	202.146	11.73086	4.345163	0	15.11108
45000_5001	45000	5001	-3.65636	-189.042	-11.7309	-4.34516	-149.257	2473.381
45001_5001	45001	5001	3.673688	189.0417	11.72719	1.021125	149.2567	-2473.39
45001_5002	45001	5002	-3.67369	-178.859	-11.7272	-1.02113	-265.185	4291.888
45002_5002	45002	5002	3.540338	147.0866	-12.2525	7.088025	265.1846	-4291.96
45002_5003	45002	5003	-3.54034	-134.576	12.25245	-7.08803	-116.389	6002.298
45003_5003	45003	5003	3.5217	134.5764	-12.2577	-2.07506	116.3886	-6002.3
45003_5004	45003	5004	-3.5217	-122.082	12.2577	2.075063	32.32005	7559.191
45004_5004	45004	5004	3.597038	98.37083	1.942238	4.578263	-32.3201	-7559.35
45004_5005	45004	5005	-3.59704	-85.8653	-1.94224	-4.57826	8.7381	8677.608
45005_5005	45005	5005	3.599925	85.86533	1.938825	-3.41828	-8.7381	-8677.61
45005_5006	45005	5006	-3.59993	-73.3548	-1.93883	3.418275	-14.8187	9644.715
45006_5006	45006	5006	3.589688	45.89839	-0.37065	8.326763	14.81865	-9644.79

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45006_5007	45006	5007	-3.58969	-33.3947	0.37065	-8.32676	-10.3197	10125.97
45007_5007	45007	5007	3.588375	33.39473	-0.3759	-8.23043	10.31966	-10126
45007_5008	45007	5008	-3.58838	-20.8968	0.3759	8.230425	-5.75111	10455.36
45008_5008	45008	5008	3.597038	-5.71594	0.96495	7.665263	5.751113	-10455.5
45008_5009	45008	5009	-3.59704	18.2217	-0.96495	-7.66526	-17.4733	10310.22
45009_5009	45009	5009	3.599925	-18.2217	0.9597	-9.19065	17.47331	-10310.2
45009_5010	45009	5010	-3.59993	30.7272	-0.9597	9.19065	-29.1215	10013.08
45010_5010	45010	5010	3.598613	-57.7146	0.21945	-1.491	29.12149	-10013.2
45010_5011	45010	5011	-3.59861	70.2198	-0.21945	1.491	-31.7767	9236.744
45011_5011	45011	5011	3.598613	-70.2198	0.21945	-1.491	31.77668	-9236.74
45011_5012	45011	5012	-3.59861	82.72084	-0.21945	1.491	-34.4303	8308.54
45012_5012	45012	5012	3.588113	-110.478	-1.37445	0.511613	34.43029	-8308.67
45012_5013	45012	5013	-3.58811	122.9868	1.37445	-0.51161	-17.7269	6891.013
45013_5013	45013	5013	3.586538	-122.987	-1.37918	-4.45804	17.72689	-6891.01
45013_5014	45013	5014	-3.58654	135.4844	1.379175	4.458038	-1.00564	5322.942
45014_5014	45014	5014	3.616725	-158.898	3.647963	-0.62528	1.005638	-5323
45014_5015	45014	5015	-3.61673	175.5319	-3.64796	0.625275	-59.9151	2622.718
45015_5015	45015	5015	5.157075	-175.493	3.646125	-5.06363	59.8731	-2620.71
45015_5016	45015	5016	-5.23241	183.9962	-3.64613	5.063625	-89.9651	1136.884
45016_5016	45016	5016	7.899413	-215.677	-2.14646	-2.38586	78.06776	-166.969
45016_5017	45016	5017	-8.20339	227.5712	2.146463	2.385863	-52.8413	-2583.19
45017_5017	45017	5017	13.75631	-227.303	-2.14856	-1.68394	52.86803	2582.935
45017_5018	45017	5018	-14.4286	240.7356	2.148563	1.683938	-24.3269	-5710.97
45018_5018	45018	5018	22.5414	-267.322	0.478013	-6.00285	23.99723	5710.975
45018_5019	45018	5019	-23.493	279.9681	-0.47801	6.00285	-29.9843	-9150.61
45019_5019	45019	5019	30.78128	-279.261	0.475913	1.89	30.69911	9150.612
45019_5020	45019	5020	-32.0681	291.9257	-0.47591	-1.89	-36.6812	-12812.2
45020_5020	45020	5020	-1041.6	94.79794	-6.29265	-2.4507	141.2526	2942.495
45020_5021	45020	5021	1041.601	-85.181	6.29265	2.4507	-81.4958	-2030.26
45021_5021	45021	5021	-1041.6	85.18099	-6.12701	-0.64549	81.49575	1778.606
45021_5022	45021	5022	1041.601	-77.3278	6.127013	0.645488	-33.9701	-1148.43
45022_5022	45022	5022	-1041.61	77.32778	-4.93658	0.667013	33.97013	1148.431
45022_5023	45022	5023	1041.607	-69.483	4.936575	-0.66701	4.258538	-579.939
45023_5023	45023	5023	-1041.62	46.80664	-1.82805	-1.03845	-4.25854	579.9336
45023_5024	45023	5024	1041.616	-38.7001	1.82805	1.03845	18.89055	-237.728
45024_5024	45024	5024	-1041.61	38.70011	-3.2592	-1.36474	-18.8906	237.7276
45024_5025	45024	5025	1041.611	-30.6017	3.2592	1.364738	44.95706	39.32355
45025_5025	45025	5025	-1041.62	30.60173	-0.53314	-1.46738	-44.9571	-39.3204
45025_5026	45025	5026	1041.617	-22.4981	0.533138	1.467375	49.22978	251.8089
45026_5026	45026	5026	-1041.62	-1.7934	-1.53694	-1.20251	-49.2298	-251.811
45026_5027	45026	5027	1041.624	7.871325	1.536938	1.202513	58.45849	222.8042
45027_5027	45027	5027	-1041.62	-7.87133	-1.71806	-1.16419	-58.4585	-222.806
45027_5028	45027	5028	1041.625	13.9398	1.718063	1.164188	68.74928	157.4556
45028_5028	45028	5028	-1041.62	-13.9398	-1.53694	-1.1907	-68.7493	-157.454
45028_5029	45028	5029	1041.624	20.01904	1.536938	1.1907	77.98088	55.54238
45029_5029	45029	5029	-1041.63	-20.019	0.188213	-1.2831	-77.9809	-55.5408
45029_5030	45029	5030	1041.627	26.09565	-0.18821	1.2831	76.85003	-82.8295
45030_5030	45030	5030	-1041.64	-50.1092	-0.61556	-1.5393	-76.85	82.80983
45030_5031	45030	5031	1041.636	58.20964	0.615563	1.5393	81.78188	-516.149
45031_5031	45031	5031	-1041.64	-58.2096	0.67935	-0.89854	-81.7819	516.1514
45031_5032	45031	5032	1041.636	66.31275	-0.67935	0.898538	76.34839	-1014.26
45032_5032	45032	5032	-1041.64	-66.3128	0.67935	-0.89854	-76.3484	1014.256
45032_5033	45032	5033	1041.636	74.41455	-0.67935	0.898538	70.91779	-1577.18
45033_5033	45033	5033	-1041.63	-97.902	2.654925	-2.58563	-70.9178	1577.225
45033_5034	45033	5034	1041.632	105.7458	-2.65493	2.585625	50.3454	-2366.09
45034_5034	45034	5034	-1041.63	-105.746	2.654925	-2.58563	-50.3454	2366.092
45034_5035	45034	5035	1041.632	113.5937	-2.65493	2.585625	29.77564	-3215.74
45035_5035	45035	5035	-1041.63	-113.594	3.699675	1.579463	-29.7756	3480.59

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45035_5036	45035	5036	1041.629	123.1873	-3.69968	-1.57946	-5.27651	-4648.34
45036_5036	45036	5036	27.83734	250.7964	1.297275	-13.4243	-28.6913	14686.79
45036_5037	45036	5037	-26.549	-238.107	-1.29728	13.42425	12.35535	-11692.2
45037_5037	45037	5037	20.34795	238.7175	1.292025	12.4299	-14.6252	11692.23
45037_5038	45037	5038	-19.3935	-226.053	-1.29203	-12.4299	-1.57526	-8719.53
45038_5038	45038	5038	12.30653	199.1661	-1.3524	-6.32573	2.8266	8719.972
45038_5039	45038	5039	-11.6327	-185.749	1.3524	6.325725	15.12656	-6175.95
45039_5039	45039	5039	-16.6378	293.8974	-1.18466	25.94524	-19.0402	21620.83
45039_5040	45039	5040	16.9386	-282.165	1.184663	-25.9452	32.98575	-18486
45040_5040	45040	5040	-21.9623	244.451	1.922813	-6.85913	-32.2508	18486.94
45040_5041	45040	5041	22.03478	-236.217	-1.92281	6.859125	16.38998	-16718.9
45041_5041	45041	5041	-24.1093	236.0153	1.941188	3.192263	-16.4485	16711.58
45041_5042	45041	5042	24.10931	-220.313	-1.94119	-3.19226	-14.0561	-12030.6
45042_5042	45042	5042	-24.1295	190.9367	-1.47551	0.399525	14.05609	12030.78
45042_5043	45042	5043	24.12953	-179.025	1.475513	-0.39953	3.54795	-9824.63
45043_5043	45043	5043	-24.1295	179.0253	-1.47551	0.399525	-3.54795	9824.628
45043_5044	45043	5044	24.12953	-167.118	1.475513	-0.39953	21.15488	-7760.51
45044_5044	45044	5044	-24.1211	141.8639	0.4326	0.952613	-21.1549	7760.655
45044_5045	45044	5045	24.12113	-129.947	-0.4326	-0.95261	16.00043	-6138.8
45045_5045	45045	5045	-24.1211	129.9475	0.430238	0.512925	-16.0004	6138.802
45045_5046	45045	5046	24.12113	-118.04	-0.43024	-0.51293	10.87196	-4660.33
45046_5046	45046	5046	-24.1224	92.37218	-0.08663	-1.88816	-10.872	4660.385
45046_5047	45046	5047	24.12244	-80.4589	0.086625	1.888163	11.91146	-3629.28
45047_5047	45047	5047	-24.1238	80.45888	-0.04856	3.923325	-11.9115	3629.273
45047_5048	45047	5048	24.12375	-68.555	0.048563	-3.92333	12.49054	-2741.13
45048_5048	45048	5048	-24.1266	42.85916	-0.59719	-0.66675	-12.4905	2741.14
45048_5049	45048	5049	24.12664	-30.9474	0.597188	0.66675	19.60534	-2300.9
45049_5049	45049	5049	-24.1269	30.94744	-0.55676	3.177825	-19.6053	2300.894
45049_5050	45049	5050	24.1269	-19.0373	0.556763	-3.17783	26.23766	-2002.79
45050_5050	45050	5050	-24.1135	-4.57301	1.572113	0.003675	-26.2377	2002.762
45050_5051	45050	5051	24.11351	20.26001	-1.57211	-0.00368	1.537988	-2527.48
45051_5051	45051	5051	-23.9403	-20.4608	1.607025	3.273375	-1.51226	2530.213
45051_5052	45051	5052	23.87096	28.70438	-1.60703	-3.27338	-11.7495	-2547.31
45052_5052	45052	5052	-22.6404	-60.2073	-0.20738	-1.72673	11.68309	2547.293
45052_5053	45052	5053	22.35371	71.93471	0.207375	1.726725	-9.23895	-3274.67
45053_5053	45053	5053	-23.7216	-65.0848	-0.16144	3.863475	-1.24058	2621.786
45053_5054	45053	5054	23.079	77.97799	0.161438	-3.86348	3.381788	-3564.07
45054_5054	45054	5054	-19.3344	-102.731	-0.1155	-2.63655	-3.77659	3563.994
45054_5055	45054	5055	18.42409	114.9031	0.1155	2.63655	5.233725	-4907.21
45055_5055	45055	5055	-15.4311	-115.343	-0.07219	5.210888	-4.52314	4907.212
45055_5056	45055	5056	14.20256	127.5133	0.072188	-5.21089	5.445038	-6448.42
45056_5056	45056	5056	-593.264	133.3238	1.179675	1.740375	-78.1263	3098.057
45056_5057	45056	5057	593.2642	-124.08	-1.17968	-1.74038	66.92779	-1845.53
45057_5057	45057	5057	-593.265	124.0803	0.94185	0.952613	-66.9278	1813.634
45057_5058	45057	5058	593.2652	-116.538	-0.94185	-0.95261	59.62241	-881.288
45058_5058	45058	5058	-593.263	116.5377	1.7052	2.085563	-59.6224	881.285
45058_5059	45058	5059	593.2629	-108.995	-1.7052	-2.08556	46.40318	-7.47075
45059_5059	45059	5059	-593.267	86.85915	-0.82346	2.493488	-46.4032	7.466288
45059_5060	45059	5060	593.2673	-79.0642	0.823463	-2.49349	53.00374	657.021
45060_5060	45060	5060	-593.268	79.06421	0.605325	0.91035	-53.0037	-657.025
45060_5061	45060	5061	593.2679	-71.2777	-0.60533	-0.91035	48.17505	1258.26
45061_5061	45061	5061	-593.268	71.27768	0.605325	0.91035	-48.1751	-1258.26
45061_5062	45061	5062	593.2679	-63.4938	-0.60533	-0.91035	43.34505	1797.228
45062_5062	45062	5062	-593.267	40.5552	1.245825	3.162863	-43.3451	-1797.22
45062_5063	45062	5063	593.2671	-34.712	-1.24583	-3.16286	35.86538	2023.153
45063_5063	45063	5063	-593.267	34.71195	1.17915	3.387563	-35.8654	-2023.15
45063_5064	45063	5064	593.2671	-28.8782	-1.17915	-3.38756	28.78969	2213.715
45064_5064	45064	5064	-593.264	28.87815	2.232825	-0.53734	-28.7897	-2213.71

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45064_5065	45064	5065	593.2644	-23.0365	-2.23283	0.537338	15.39064	2369.529
45065_5065	45065	5065	-593.264	23.03648	2.232825	-0.53734	-15.3906	-2369.53
45065_5066	45065	5066	593.2644	-17.1932	-2.23283	0.537338	1.990013	2490.269
45066_5066	45066	5066	-593.268	-6.16875	1.84695	2.289525	-1.99001	-2490.25
45066_5067	45066	5067	593.2684	13.9524	-1.84695	-2.28953	-12.7777	2409.801
45067_5067	45067	5067	-593.268	-13.9524	1.84695	2.289525	12.77771	-2409.8
45067_5068	45067	5068	593.2684	21.73605	-1.84695	-2.28953	-27.5457	2267.116
45068_5068	45068	5068	-593.265	-21.7361	2.634188	-0.7182	27.5457	-2267.12
45068_5069	45068	5069	593.2655	29.52758	-2.63419	0.7182	-48.6273	2061.92
45069_5069	45069	5069	-593.261	-51.1161	3.294638	2.54205	48.62734	-2061.94
45069_5070	45069	5070	593.2605	58.65405	-3.29464	-2.54205	-74.1381	1636.854
45070_5070	45070	5070	-593.255	-58.6541	4.105763	0.304763	74.13814	-1636.85
45070_5071	45070	5071	593.2547	66.20276	-4.10576	-0.30476	-105.97	1152.771
45071_5071	45071	5071	-593.252	-66.2028	4.456988	-0.04489	105.9702	-1108.01
45071_5072	45071	5072	593.2516	75.44513	-4.45699	0.044887	-148.307	439.7392
45072_5072	45072	5072	13.11476	191.3449	0.15015	2.236763	62.81914	2513.539
45072_5073	45072	5073	-11.8815	-179.176	-0.15015	-2.23676	-64.6944	-162.281
45073_5073	45073	5073	7.214813	179.4261	0.1596	0.807975	64.71203	162.2873
45073_5074	45073	5074	-6.30131	-167.258	-0.1596	-0.80797	-66.7073	2032.442
45074_5074	45074	5074	0.709275	139.4161	-1.24373	2.601375	66.53404	-2032.49
45074_5075	45074	5075	-0.06484	-126.516	1.243725	-2.60138	-50.016	3889.837
45075_5075	45075	5075	5.5776	233.5956	-0.32288	19.51609	64.65454	12848.95
45075_5076	45075	5076	-5.30381	-222.457	0.322875	-19.5161	-60.8727	-10089
45076_5076	45076	5076	1.4448	187.9647	0.170363	-5.53376	61.383	10089.45
45076_5077	45076	5077	-1.37865	-180.14	-0.17036	5.533763	-62.79	-8276.67
45077_5077	45077	5077	-0.14227	180.1446	0.171675	4.23675	62.74118	8276.728
45077_5078	45077	5078	0.142275	-166.626	-0.17168	-4.23675	-65.1767	-5804.21
45078_5078	45078	5078	-0.14779	143.4778	-0.96731	-3.54454	65.17665	5804.257
45078_5079	45078	5079	0.147787	-132.846	0.967313	3.544538	-54.317	-4254.76
45079_5079	45079	5079	-0.1491	132.8463	-0.96836	4.033838	54.31703	4254.763
45079_5080	45079	5080	0.1491	-122.212	0.968363	-4.03384	-43.4632	-2824.65
45080_5080	45080	5080	-0.14621	99.61691	-0.28061	-1.44743	43.46318	2824.68
45080_5081	45080	5081	0.146212	-88.9854	0.280613	1.447425	-40.3079	-1767.19
45081_5081	45081	5081	-0.14621	88.9854	-0.2814	1.701	40.30793	1767.191
45081_5082	45081	5082	0.146212	-78.3542	0.2814	-1.701	-37.1569	-829.014
45082_5082	45082	5082	-0.14752	54.50708	-0.47276	-0.05565	37.15688	829.102
45082_5083	45082	5083	0.147525	-43.0883	0.472763	0.05565	-31.4782	-241.42
45083_5083	45083	5083	-0.14752	43.08833	-0.47303	-0.04594	31.47821	241.4197
45083_5084	45083	5084	0.147525	-31.6601	0.473025	0.045938	-25.7938	209.0631
45084_5084	45084	5084	-0.14884	8.196038	-0.42079	-0.05591	25.79378	-209.063
45084_5085	45084	5085	0.148837	2.433638	0.420788	0.055912	-21.0627	241.3638
45085_5085	45085	5085	-0.14884	-2.43364	-0.42315	-0.48746	21.06274	-241.362
45085_5086	45085	5086	0.148837	13.06331	0.42315	0.487463	-16.3359	154.5009
45086_5086	45086	5086	-0.15015	-35.8898	-0.88253	-0.53392	16.3359	-154.54
45086_5087	45086	5087	0.15015	46.51815	0.882525	0.533925	-6.43755	-307.37
45087_5087	45087	5087	-0.15172	-46.5182	-0.88226	0.024412	6.43755	307.3704
45087_5088	45087	5088	0.151725	57.15701	0.882263	-0.02441	3.4671	-888.956
45088_5088	45088	5088	-0.1428	-77.4265	0.842888	-1.42721	-3.4671	889.0145
45088_5089	45088	5089	0.1428	90.43598	-0.84289	1.427213	-8.09209	-2203.9
45089_5089	45089	5089	0.639975	-90.4341	0.842625	0.954713	8.10075	2203.874
45089_5090	45089	5090	-0.7077	98.25375	-0.84263	-0.95471	-15.0473	-3044.13
45090_5090	45090	5090	3.055238	-127.259	-1.11274	-5.20931	14.9142	3044.096
45090_5091	45090	5091	-3.33401	138.3979	1.112738	5.209313	-1.85115	-4467.25
45091_5091	45091	5091	3.159975	-131.705	-1.07993	3.460538	-4.62158	3932.51
45091_5092	45091	5092	-3.77423	143.955	1.079925	-3.46054	18.94909	-5797.43
45092_5092	45092	5092	9.184088	-168.043	-0.21656	-3.88028	-19.4444	5797.343
45092_5093	45092	5093	-10.0548	179.5962	0.216563	3.880275	22.15395	-8019.41
45093_5093	45093	5093	14.71785	-179.275	-0.21263	3.166275	-21.5917	8019.413

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45093_5094	45093	5094	-15.8912	190.8372	0.212625	-3.16628	24.27521	-10188.6
45094_5094	45094	5094	-785.359	112.2471	-1.23349	-1.53143	-17.5392	3640.995
45094_5095	45094	5095	785.3588	-103.468	1.233488	1.531425	29.25143	-2616.88
45095_5095	45095	5095	-785.36	103.4681	-0.91245	-0.42814	-29.2514	2585.418
45095_5096	45095	5096	785.3604	-96.3002	0.91245	0.428138	36.33473	-1810.92
45096_5096	45096	5096	-785.359	96.30023	0.06615	1.83435	-36.3347	1810.915
45096_5097	45096	5097	785.3591	-89.1403	-0.06615	-1.83435	35.81183	-1092.92
45097_5097	45097	5097	-785.368	67.93789	0.285338	-0.18375	-35.8118	1092.875
45097_5098	45097	5098	785.3682	-60.5385	-0.28534	0.18375	33.52519	-578.743
45098_5098	45098	5098	-785.368	60.53854	0.285338	-0.18375	-33.5252	578.7432
45098_5099	45098	5099	785.3682	-53.1392	-0.28534	0.18375	31.23855	-123.836
45099_5099	45099	5099	-785.367	53.13919	1.239263	-0.03334	-31.2386	123.8346
45099_5100	45099	5100	785.3669	-45.7493	-1.23926	0.033338	21.34099	271.3783
45100_5100	45100	5100	-785.365	23.66753	1.676325	-1.04081	-21.341	-271.375
45100_5101	45100	5101	785.3654	-18.1172	-1.67633	1.040813	11.27543	396.7732
45101_5101	45101	5101	-785.361	18.11723	2.9841	-1.70258	-11.2754	-396.772
45101_5102	45101	5102	785.3609	-12.5672	-2.9841	1.702575	-6.63941	488.8587
45102_5102	45102	5102	-785.364	12.56719	-2.24674	1.555313	6.639413	-488.859
45102_5103	45102	5103	785.3635	-7.01689	2.246738	-1.55531	6.844425	547.6472
45103_5103	45103	5103	-785.367	7.016888	-0.98096	0.673575	-6.84443	-547.649
45103_5104	45103	5104	785.3667	-1.47735	0.980963	-0.67358	12.71865	573.1008
45104_5104	45104	5104	-785.367	-20.7611	-0.27536	0.224963	-12.7187	-573.099
45104_5105	45104	5105	785.3667	28.16205	0.275363	-0.22496	14.9226	377.3125
45105_5105	45105	5105	-785.365	-28.1621	0.675675	-0.23179	-14.9226	-377.311
45105_5106	45105	5106	785.3654	35.55195	-0.67568	0.231788	9.521663	122.6634
45106_5106	45106	5106	-785.365	-35.552	0.704813	-0.23678	-9.52166	-122.663
45106_5107	45106	5107	785.3654	42.9513	-0.70481	0.236775	3.876338	-191.49
45107_5107	45107	5107	-785.365	-63.8707	1.468425	-0.60086	-3.87634	191.504
45107_5108	45107	5108	785.3648	71.03854	-1.46843	0.600863	-7.51905	-714.494
45108_5108	45108	5108	-785.365	-71.0385	1.440863	-0.62738	7.51905	714.4935
45108_5109	45108	5109	785.3648	78.19823	-1.44086	0.627375	-18.6753	-1292.27
45109_5109	45109	5109	-785.362	-78.1982	2.26905	0.857325	18.6753	1334.153
45109_5110	45109	5110	785.3619	86.98384	-2.26905	-0.85733	-40.2415	-2140.25
45110_5110	45110	5110	20.25004	218.4641	-0.03911	-4.05799	17.77571	8493.676
45110_5111	45110	5111	-19.0722	-206.904	0.039113	4.057988	-17.294	-5793.77
45111_5111	45111	5111	13.68596	207.3288	-0.03465	4.526025	16.50023	5793.771
45111_5112	45111	5112	-12.815	-195.778	0.03465	-4.52603	-16.0603	-3243.18
45112_5112	45112	5112	6.572213	169.6868	-0.01313	-1.85404	16.46794	3243.236
45112_5113	45112	5113	-5.95613	-157.435	0.013125	1.854038	-16.3131	-1071.83
45113_5113	45113	5113	14.3808	266.501	0.329438	15.88729	2.487188	17906.3
45113_5114	45113	5114	-14.1086	-255.654	-0.32944	-15.8873	-6.35539	-14744.8
45114_5114	45114	5114	9.619575	222.8465	0.4074	-1.7682	6.769613	14745.29
45114_5115	45114	5115	-9.55343	-215.241	-0.4074	1.7682	-10.122	-13886.6
45115_5115	45115	5115	7.6881	215.3143	0.40425	1.486275	10.10678	13886.23
45115_5116	45115	5116	-7.6881	-202.169	-0.40425	-1.48628	-15.8723	-9537.01
45116_5116	45116	5116	7.686788	177.0778	-0.82294	-2.89721	15.87233	9537.019
45116_5117	45116	5117	-7.68679	-166.727	0.822938	2.897213	-6.66278	-7609.65
45117_5117	45117	5117	7.6881	166.7271	-0.82793	3.889725	6.662775	7609.654
45117_5118	45117	5118	-7.6881	-156.381	0.827925	-3.88973	2.626838	-5798.34
45118_5118	45118	5118	7.6881	134.4719	0.397425	-1.25633	-2.62684	5798.347
45118_5119	45118	5119	-7.6881	-124.125	-0.39743	1.256325	-1.81493	-4348.71
45119_5119	45119	5119	7.6881	124.1255	0.388238	2.622113	1.814925	4348.709
45119_5120	45119	5120	-7.6881	-113.779	-0.38824	-2.62211	-6.18083	-3015.1
45120_5120	45120	5120	7.689413	90.3882	-0.35648	-1.68683	6.180825	3015.102
45120_5121	45120	5121	-7.68941	-79.2656	0.356475	1.686825	-1.89761	-1992.82
45121_5121	45121	5121	7.686525	79.26555	-0.37433	3.251325	1.897613	1992.817
45121_5122	45121	5122	-7.68653	-68.1537	0.374325	-3.25133	2.611875	-1105.29
45122_5122	45122	5122	7.686525	45.38835	0.045938	0.462525	-2.61188	1105.29

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45122_5123	45122	5123	-7.68653	-35.0406	-0.04594	-0.46253	2.090288	-654.456
45123_5123	45123	5123	7.686525	35.0406	0.039375	1.046588	-2.09029	654.4555
45123_5124	45123	5124	-7.68653	-24.6944	-0.03938	-1.04659	1.645875	-319.623
45124_5124	45124	5124	7.6881	3.01035	-0.12206	0.366712	-1.64588	319.568
45124_5125	45124	5125	-7.6881	7.334512	0.122063	-0.36671	3.020325	-343.811
45125_5125	45125	5125	7.686788	-7.33451	-0.13624	0.979388	-3.02033	343.8083
45125_5126	45125	5126	-7.68679	17.68358	0.136238	-0.97939	4.547813	-484.039
45126_5126	45126	5126	7.686263	-36.189	0.00525	-0.06458	-4.54781	483.9928
45126_5127	45126	5127	-7.68626	48.80636	-0.00525	0.064575	4.471425	-1064.95
45127_5127	45127	5127	8.09865	-48.7381	-0.00499	1.309613	-4.46119	1066.954
45127_5128	45127	5128	-8.16191	56.35324	0.004987	-1.30961	4.493738	-1500.49
45128_5128	45128	5128	9.72615	-82.8395	0.460425	-2.35699	-4.56435	1500.399
45128_5129	45128	5129	-9.9939	93.68625	-0.46043	2.356988	-0.8547	-2715.46
45129_5129	45129	5129	3.450825	-86.8907	0.5922	2.754675	6.481125	1984.593
45129_5130	45129	5130	-4.08398	99.5379	-0.5922	-2.75468	-14.3396	-3215.07
45130_5130	45130	5130	8.407875	-123.618	-1.61936	-1.53011	14.11016	3214.982
45130_5131	45130	5131	-9.30563	135.5487	1.619363	1.530113	6.188438	-4857.19
45131_5131	45131	5131	12.84911	-135.258	-1.61858	2.3877	-5.84509	4857.187
45131_5132	45131	5132	-14.0619	147.1903	1.618575	-2.3877	26.18254	-6684.83
45132_5132	45132	5132	-608.079	117.0758	6.575888	3.147113	-76.0418	2936.67
45132_5133	45132	5133	608.0789	-108.01	-6.57589	-3.14711	13.57099	-1781.97
45133_5133	45133	5133	-608.069	108.0098	7.361288	3.86085	-13.571	1650.857
45133_5134	45133	5134	608.0692	-100.612	-7.36129	-3.86085	-43.4763	-842.444
45134_5134	45134	5134	-608.114	100.6123	-0.47539	-6.99773	43.4763	842.4237
45134_5135	45134	5135	608.1135	-93.2064	0.475388	6.997725	-39.779	-90.3596
45135_5135	45135	5135	-608.11	69.17085	-1.30436	-0.09109	39.77899	90.50318
45135_5136	45135	5136	608.1099	-61.5353	1.304363	0.091088	-29.3528	432.3564
45136_5136	45136	5136	-608.113	61.53525	-0.54259	-0.63	29.35275	-432.355
45136_5137	45136	5137	608.1128	-53.8997	0.542588	0.63	-25.006	894.116
45137_5137	45137	5137	-608.111	53.89965	-1.31276	0.4998	25.00601	-894.116
45137_5138	45137	5138	608.1112	-46.2735	1.312763	-0.4998	-14.5233	1294.326
45138_5138	45138	5138	-608.121	22.17626	-0.40976	1.176788	14.52334	-1294.39
45138_5139	45138	5139	608.1206	-16.4496	0.409763	-1.17679	-12.0705	1410.282
45139_5139	45139	5139	-608.122	16.44956	0.604275	-1.17259	12.07054	-1410.28
45139_5140	45139	5140	608.1222	-10.7229	-0.60428	1.172588	-15.6983	1491.804
45140_5140	45140	5140	-608.121	10.72286	-0.40976	1.312238	15.69829	-1491.8
45140_5141	45140	5141	608.1206	-4.99616	0.409763	-1.31224	-13.2455	1538.964
45141_5141	45141	5141	-608.122	4.996163	0.604275	-1.25239	13.24549	-1538.96
45141_5142	45141	5142	608.1222	0.7308	-0.60428	1.252388	-16.8732	1551.758
45142_5142	45142	5142	-608.117	-24.3852	-0.54311	0.015225	16.87324	-1551.83
45142_5143	45142	5143	608.1175	32.0208	0.543113	-0.01523	-12.5234	1326.189
45143_5143	45143	5143	-608.117	-32.0208	-0.54311	0.015225	12.52335	-1326.19
45143_5144	45143	5144	608.1175	39.6564	0.543113	-0.01523	-8.17373	1039.457
45144_5144	45144	5144	-608.117	-39.6564	-0.54311	0.015225	8.173725	-1039.46
45144_5145	45144	5145	608.1175	47.29489	0.543113	-0.01523	-3.82384	691.6308
45145_5145	45145	5145	-608.127	-68.995	0.354375	0.321563	3.823838	-691.679
45145_5146	45145	5146	608.1275	76.39275	-0.35438	-0.32156	-6.56749	128.2672
45146_5146	45146	5146	-608.127	-76.3928	0.354375	0.321563	6.567487	-128.267
45146_5147	45146	5147	608.1275	83.79026	-0.35438	-0.32156	-9.31271	-492.476
45147_5147	45147	5147	-608.126	-83.7903	-0.41081	-0.37616	9.312713	607.1381
45147_5148	45147	5148	608.1259	92.85911	0.410813	0.376163	-5.41748	-1446.28
45148_5148	45148	5148	25.01441	181.9233	0.120225	-1.12823	-3.01508	4910.439
45148_5149	45148	5149	-23.8064	-169.993	-0.12023	1.128225	1.513838	-2699.57
45149_5149	45149	5149	19.35938	170.5552	0.114188	1.065225	-1.70389	2699.567
45149_5150	45149	5150	-18.4635	-158.626	-0.11419	-1.06523	0.273263	-636.299
45150_5150	45150	5150	13.18013	132.5814	-0.00578	-0.24203	-0.18165	636.2934
45150_5151	45150	5151	-12.5501	-119.935	0.005775	0.242025	0.25095	1038.826
45151_5151	45151	5151	6.774075	241.9035	0.092138	2.615025	-3.05629	14718.3

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45151_5152	45151	5152	-6.489	-230.207	-0.09214	-2.61503	1.976625	-11943.7
45152_5152	45152	5152	2.517638	196.0277	-0.04883	0.026775	-1.91074	11943.61
45152_5153	45152	5153	-2.4486	-187.816	0.048825	-0.02678	2.307375	-10360.1
45153_5153	45153	5153	0.87045	187.8287	-0.04725	-0.03124	-2.30711	10360.2
45153_5154	45153	5154	-0.87045	-174.151	0.04725	0.031238	2.965463	-7873.24
45154_5154	45154	5154	0.867562	148.5698	0.045413	0.2037	-2.96546	7873.245
45154_5155	45154	5155	-0.86756	-137.619	-0.04541	-0.2037	2.473013	-6299.12
45155_5155	45155	5155	0.867562	137.6188	0.045413	0.2037	-2.47301	6299.119
45155_5156	45155	5156	-0.86756	-126.669	-0.04541	-0.2037	1.980563	-4845.45
45156_5156	45156	5156	0.871762	104.1167	-0.21263	0.35595	-1.98056	4845.454
45156_5157	45156	5157	-0.87176	-94.1517	0.212625	-0.35595	4.10865	-3853.06
45157_5157	45157	5157	0.871762	94.15166	-0.21263	0.315	-4.10865	3853.058
45157_5158	45157	5158	-0.87176	-84.199	0.212625	-0.315	6.234375	-2961.26
45158_5158	45158	5158	0.869138	62.65061	-0.01785	1.57815	-6.23438	2961.172
45158_5159	45158	5159	-0.86914	-52.6859	0.01785	-1.57815	6.407363	-2383.89
45159_5159	45159	5159	0.869138	52.68585	-0.01706	-0.80404	-6.40736	2383.888
45159_5160	45159	5160	-0.86914	-42.7221	0.017063	0.804038	6.573	-1906.35
45160_5160	45160	5160	0.862312	19.91378	0.455175	0.368025	-6.573	1906.359
45160_5161	45160	5161	-0.86231	-8.9628	-0.45518	-0.36803	1.563713	-1747.54
45161_5161	45161	5161	0.862312	8.9628	0.455175	0.368025	-1.56371	1747.537
45161_5162	45161	5162	-0.86231	1.9866	-0.45518	-0.36803	-3.44426	-1709.17
45162_5162	45162	5162	0.87675	-22.5537	-0.93765	-0.27563	3.444263	1709.239
45162_5163	45162	5163	-0.87675	36.22973	0.93765	0.275625	9.4353	-2113.1
45163_5163	45163	5163	1.177838	-36.2213	-0.93791	1.302	-9.42585	2113.048
45163_5164	45163	5164	-1.24425	44.43338	0.937913	-1.302	17.1654	-2445.78
45164_5164	45164	5164	2.624213	-73.3367	0.793013	1.776338	-17.1376	2445.767
45164_5165	45164	5165	-2.90614	85.03268	-0.79301	-1.77634	7.816725	-3376.5
45165_5165	45165	5165	2.164313	-75.3304	0.642338	-1.21249	-7.40696	2513.208
45165_5166	45165	5166	-2.83999	89.02031	-0.64234	1.212488	-1.11956	-3603.42
45166_5166	45166	5166	6.852825	-113.154	-0.14543	-1.94513	1.036875	3603.473
45166_5167	45166	5167	-7.81331	126.0704	0.145425	1.945125	0.79275	-5102.82
45167_5167	45167	5167	11.09745	-125.823	-0.1449	2.137275	-0.43418	5102.824
45167_5168	45167	5168	-12.3953	138.7391	0.1449	-2.13728	2.2533	-6764.75
45168_5168	45168	5168	-612.743	130.2612	0.061687	-1.08596	-8.34173	3213.067
45168_5169	45168	5169	612.7427	-120.446	-0.06169	1.085963	7.76055	-2022.13
45169_5169	45169	5169	-612.743	120.4458	0.822413	1.2453	-7.76055	1886.765
45169_5170	45169	5170	612.7427	-112.448	-0.82241	-1.2453	1.3923	-985.419
45170_5170	45170	5170	-612.744	112.4479	0.041475	-0.01365	-1.3923	985.4195
45170_5171	45170	5171	612.744	-104.441	-0.04148	0.01365	1.0773	-144.921
45171_5171	45171	5171	-612.736	79.92863	0.68775	-0.41344	-1.0773	144.8472
45171_5172	45171	5172	612.7364	-71.663	-0.68775	0.413438	-4.43153	461.5503
45172_5172	45172	5172	-612.736	71.66303	-0.07639	0.164325	4.431525	-461.55
45172_5173	45172	5173	612.7364	-63.3974	0.076387	-0.16433	-3.81439	1001.824
45173_5173	45173	5173	-612.736	63.39743	-0.07639	0.164325	3.814388	-1001.82
45173_5174	45173	5174	612.7364	-55.1318	0.076387	-0.16433	-3.19568	1475.965
45174_5174	45174	5174	-612.739	29.74099	0.833438	-1.41409	3.195675	-1476.03
45174_5175	45174	5175	612.7391	-23.5418	-0.83344	1.414088	-8.19709	1635.896
45175_5175	45175	5175	-612.739	23.54179	-0.18769	1.31145	8.197088	-1635.9
45175_5176	45175	5176	612.7391	-17.3439	0.187688	-1.31145	-7.06808	1758.564
45176_5176	45176	5176	-612.739	17.3439	0.833438	-1.61884	7.068075	-1758.56
45176_5177	45176	5177	612.7391	-11.1447	-0.83344	1.618838	-12.0653	1844.031
45177_5177	45177	5177	-612.739	11.1447	-0.18769	1.4532	12.06529	-1844.03
45177_5178	45177	5178	612.7391	-4.9455	0.187688	-1.4532	-10.9379	1892.299
45178_5178	45178	5178	-612.746	-20.7477	0.499013	0.484838	10.93785	-1892.37
45178_5179	45178	5179	612.7459	29.01491	-0.49901	-0.48484	-14.9305	1693.306
45179_5179	45179	5179	-612.746	-29.0149	0.499013	0.484838	14.93048	-1693.31
45179_5180	45179	5180	612.7459	37.28051	-0.49901	-0.48484	-18.9215	1428.112
45180_5180	45180	5180	-612.744	-37.2805	1.264725	-1.30069	18.92153	-1428.11

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45180_5181	45180	5181	612.7443	45.54611	-1.26473	1.300688	-29.0385	1096.785
45181_5181	45181	5181	-612.74	-68.7023	-0.31815	0.339413	29.03854	-1096.79
45181_5182	45181	5182	612.7398	76.70959	0.31815	-0.33941	-26.5763	533.2751
45182_5182	45182	5182	-612.74	-76.7096	0.473813	-0.34808	26.57629	-533.274
45182_5183	45182	5183	612.7398	84.71846	-0.47381	0.348075	-30.2413	-92.2947
45183_5183	45183	5183	-612.74	-84.7185	-0.29663	-0.51713	30.24131	201.0115
45183_5184	45183	5184	612.7398	94.53386	0.296625	0.517125	-27.4208	-1073.57
45184_5184	45184	5184	26.7981	184.6325	-0.18585	0.91035	26.24738	4386.954
45184_5185	45184	5185	-25.5098	-171.718	0.18585	-0.91035	-23.9059	-2124.44
45185_5185	45185	5185	21.03911	172.3221	-0.17929	-1.35739	24.04028	2124.439
45185_5186	45185	5186	-20.0865	-159.404	0.179288	1.357388	-21.7865	17.13484
45186_5186	45186	5186	14.7903	132.0884	-0.16459	0.50925	21.63079	-17.0347
45186_5187	45186	5187	-14.1209	-118.397	0.164588	-0.50925	-19.4507	1812.165
45187_5187	45187	5187	24.97635	243.5732	-0.7917	-4.39871	1.082813	15288
45187_5188	45187	5188	-24.6771	-231.025	0.7917	4.398713	8.225175	-12275.6
45188_5188	45188	5188	20.75351	194.1915	0.3276	-0.91429	-8.31915	12275.76
45188_5189	45188	5189	-20.6813	-185.392	-0.3276	0.914288	5.61645	-9802.41
45189_5189	45189	5189	19.15935	185.5565	0.327338	-0.7938	-5.62328	9805.714
45189_5190	45189	5190	-19.1594	-170.873	-0.32734	0.7938	1.117725	-7355.13
45190_5190	45190	5190	19.16198	145.9101	0.195563	-0.83449	-1.11773	7355.133
45190_5191	45190	5191	-19.162	-134.162	-0.19556	0.834488	-1.02874	-5814.64
45191_5191	45191	5191	19.16198	134.1624	0.195563	-0.83449	1.028738	5814.641
45191_5192	45191	5192	-19.162	-122.416	-0.19556	0.834488	-3.17651	-4403.37
45192_5192	45192	5192	19.18403	98.42516	-1.9845	-0.4956	3.176513	4403.381
45192_5193	45192	5193	-19.184	-87.7246	1.9845	0.4956	16.69841	-3470.72
45193_5193	45193	5193	19.18403	87.72461	-1.98319	-0.45833	-16.6984	3470.715
45193_5194	45193	5194	-19.184	-77.013	1.983188	0.458325	36.59618	-2644.5
45194_5194	45194	5194	19.1499	53.65159	0.280088	-0.35595	-36.5962	2644.437
45194_5195	45194	5195	-19.1499	-42.94	-0.28009	0.35595	33.78165	-2160.01
45195_5195	45195	5195	19.1499	42.94001	0.280088	-0.35595	-33.7817	2160.007
45195_5196	45195	5196	-19.1499	-32.2284	-0.28009	0.35595	30.96713	-1783.02
45196_5196	45196	5196	19.15935	7.435575	-0.25909	-0.20974	-30.9671	1783.014
45196_5197	45196	5197	-19.1594	4.312088	0.259088	0.209738	33.80974	-1765.83
45197_5197	45197	5197	19.15935	-4.31209	-0.25909	-0.20974	-33.8097	1765.834
45197_5198	45197	5198	-19.1594	16.05844	0.259088	0.209738	36.65524	-1877.88
45198_5198	45198	5198	19.16775	-38.6164	-0.89119	0.07875	-36.6552	1877.879
45198_5199	45198	5199	-19.1678	53.29065	0.891188	-0.07875	48.88275	-2584.59
45199_5199	45199	5199	19.5993	-53.1321	-0.88988	0.2961	-48.8814	2580.205
45199_5200	45199	5200	-19.6718	61.94265	0.889875	-0.2961	56.22698	-3069.18
45200_5200	45200	5200	21.378	-94.5488	0.276413	0.273525	-56.2367	3069.079
45200_5201	45200	5201	-21.6754	107.0969	-0.27641	-0.27353	52.97145	-4289.69
45201_5201	45201	5201	20.26185	-96.2903	0.210525	0.7854	-58.6535	3297.662
45201_5202	45201	5202	-20.9753	111.0244	-0.21053	-0.7854	55.85921	-4668.31
45202_5202	45202	5202	25.69665	-138.186	-0.61451	2.977013	-55.7616	4668.243
45202_5203	45202	5203	-26.7078	152.0854	0.614513	-2.97701	63.45623	-6459.75
45203_5203	45203	5203	30.58335	-151.355	-0.60113	-0.49481	-63.8605	6459.751
45203_5204	45203	5204	-31.9536	165.2535	0.601125	0.494813	71.41575	-8468.14
45204_5204	45204	5204	-686.816	138.1658	2.330213	2.382713	-130.077	4012.229
45204_5205	45204	5205	686.8163	-127.602	-2.33021	-2.38271	107.9285	-2710.02
45205_5205	45205	5205	-686.819	127.6023	1.585763	-1.02401	-107.928	2509.704
45205_5206	45205	5206	686.8189	-118.985	-1.58576	1.024013	95.64555	-1554.11
45206_5206	45206	5206	-686.816	118.9852	2.471438	0.980438	-95.6456	1554.111
45206_5207	45206	5207	686.8163	-110.366	-2.47144	-0.98044	76.49434	-665.326
45207_5207	45207	5207	-686.791	84.82163	0.197138	1.4406	-76.4943	665.338
45207_5208	45207	5208	686.7914	-75.926	-0.19714	-1.4406	74.90726	-22.3052
45208_5208	45208	5208	-686.791	75.92603	0.197138	1.4406	-74.9073	22.30515
45208_5209	45208	5209	686.7914	-67.0289	-0.19714	-1.4406	73.3215	549.5548
45209_5209	45209	5209	-686.791	67.02885	0.197138	1.4406	-73.3215	-549.555

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45209_5210	45209	5210	686.7914	-58.1346	-0.19714	-1.4406	71.73574	1050.241
45210_5210	45210	5210	-686.821	31.73783	3.045525	0.770175	-71.7357	-1050.24
45210_5211	45210	5211	686.821	-25.0632	-3.04553	-0.77018	53.46101	1220.652
45211_5211	45211	5211	-686.827	25.06324	1.902338	2.804288	-53.461	-1220.65
45211_5212	45211	5212	686.8265	-18.3929	-1.90234	-2.80429	42.05408	1351.031
45212_5212	45212	5212	-686.821	18.39285	3.045525	0.551775	-42.0541	-1351.04
45212_5213	45212	5213	686.821	-11.7212	-3.04553	-0.55178	23.77909	1441.381
45213_5213	45213	5213	-686.827	11.72115	1.902338	2.95365	-23.7791	-1441.38
45213_5214	45213	5214	686.8265	-5.04945	-1.90234	-2.95365	12.37241	1491.69
45214_5214	45214	5214	-686.834	-21.3027	2.5515	2.408438	-12.3724	-1491.64
45214_5215	45214	5215	686.8336	30.19853	-2.5515	-2.40844	-8.04746	1285.614
45215_5215	45215	5215	-686.829	-30.1985	3.409875	0.802463	8.047463	-1285.62
45215_5216	45215	5216	686.8292	39.09413	-3.40988	-0.80246	-35.3341	1008.426
45216_5216	45216	5216	-686.834	-39.0941	2.5515	2.061413	35.33408	-1008.42
45216_5217	45216	5217	686.8336	47.98973	-2.5515	-2.06141	-55.7511	660.0544
45217_5217	45217	5217	-686.788	-72.2374	0.000788	-1.01588	55.75106	-660.062
45217_5218	45217	5218	686.7885	80.84344	-0.00079	1.015875	-55.7555	67.6032
45218_5218	45218	5218	-686.789	-80.8434	0.896438	-1.10355	55.75553	-67.6021
45218_5219	45218	5219	686.7887	89.46158	-0.89644	1.10355	-62.705	-592.365
45219_5219	45219	5219	-686.769	-89.4616	5.093288	3.729338	62.70495	755.8937
45219_5220	45219	5220	686.7688	100.0238	-5.09329	-3.72934	-111.099	-1655.96
45220_5220	45220	5220	24.80861	208.8734	0.680663	-1.11615	11.91094	5574.223
45220_5221	45220	5221	-23.4525	-194.974	-0.68066	1.11615	-20.4726	-3038.13
45221_5221	45221	5221	18.49418	195.5069	0.668063	8.059538	19.74026	3038.123
45221_5222	45221	5222	-17.4925	-181.607	-0.66806	-8.05954	-28.1072	-681.714
45222_5222	45222	5222	11.65185	150.895	5.308013	-3.46211	28.81148	681.7536
45222_5223	45222	5223	-10.9463	-136.161	-5.30801	3.462113	-99.2153	1241.354
45223_5223	45223	5223	5.737725	265.434	5.305913	45.35213	122.3434	15447.45
45223_5224	45223	5224	-5.41826	-251.664	-5.30591	-45.3521	-184.708	-12745.6
45224_5224	45224	5224	1.144763	210.5943	-5.03291	-20.8756	185.8812	12746.57
45224_5225	45224	5225	-1.06759	-200.924	5.032913	20.87558	-144.349	-10558.5
45225_5225	45225	5225	-0.55335	200.9275	-5.03081	18.52436	144.1766	10558.48
45225_5226	45225	5226	0.55335	-182.829	5.030813	-18.5244	-66.4755	-7595.16
45226_5226	45226	5226	-0.57172	152.1006	1.819125	-9.95873	66.4755	7595.06
45226_5227	45226	5227	0.571725	-138.209	-1.81913	9.958725	-88.0315	-5874.39
45227_5227	45227	5227	-0.56359	138.2091	1.82175	14.80868	88.03148	5874.383
45227_5228	45227	5228	0.563587	-124.318	-1.82175	-14.8087	-109.619	-4318.2
45228_5228	45228	5228	-0.47827	94.82393	-5.03869	-5.30828	109.6187	4317.782
45228_5229	45228	5229	0.478275	-78.2087	5.038688	5.308275	-49.8726	-3292.01
45229_5229	45229	5229	-0.49875	78.20873	-5.03606	8.564325	49.87264	3292
45229_5230	45229	5230	0.49875	-61.5891	5.036063	-8.56433	9.857138	-2463.13
45230_5230	45230	5230	-0.6132	32.23789	-0.86704	-5.2962	-9.85714	2462.591
45230_5231	45230	5231	0.6132	-15.1547	0.867038	5.2962	20.4225	-2173.74
45231_5231	45231	5231	-0.61661	15.15465	-0.86573	1.829625	-20.4225	2173.749
45231_5232	45231	5232	0.616612	1.93305	0.865725	-1.82963	30.96686	-2093.16
45232_5232	45232	5232	-1.24451	-35.2191	26.36419	-4.40318	-30.9669	2092.904
45232_5233	45232	5233	1.244512	48.09945	-26.3642	4.403175	-211.339	-2574.81
45233_5233	45233	5233	-0.88699	-48.1071	26.36629	-2.11313	211.3285	2574.814
45233_5234	45233	5234	0.824512	57.7605	-26.3663	2.113125	-392.956	-2954.06
45234_5234	45234	5234	-0.12574	-57.7655	26.36918	0.133613	393.0229	2954.049
45234_5235	45234	5235	-0.06641	68.61304	-26.3692	-0.13361	-597.162	-3462.87
45235_5235	45235	5235	3.180713	-90.5916	-30.2938	-1.92623	597.2424	3463.035
45235_5236	45235	5236	-3.38966	98.11436	30.29381	1.926225	-434.581	-3990
45236_5236	45236	5236	21.05014	-78.1804	-29.8211	-8.17189	320.513	1692.525
45236_5237	45236	5237	-21.5835	90.65333	29.82105	8.171888	-68.2091	-2365.24
45237_5237	45237	5237	22.74458	-90.3585	-29.8549	-4.28138	68.36419	2365.242
45237_5238	45237	5238	-23.2916	100.0836	29.85491	4.281375	128.7332	-3000.29
45238_5238	45238	5238	26.26076	-134.687	-8.67983	-15.3523	-129.717	2999.264

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45238_5239	45238	5239	-27.3011	149.2061	8.679825	15.35231	215.3458	-4413.7
45239_5239	45239	5239	34.36046	-147.738	-8.72078	5.069925	-214.617	4413.765
45239_5240	45239	5240	-36.2316	163.3598	8.720775	-5.06993	307.5455	-6028.41
45240_5240	45240	5240	-675.465	160.7852	5.733263	-0.90746	-165.811	3128.625
45240_5241	45240	5241	675.465	-142.657	-5.73326	0.907463	95.38095	-1264.48
45241_5241	45241	5241	-675.435	142.6575	8.5134	3.663975	-95.381	1214.043
45241_5242	45241	5242	675.4351	-134.018	-8.5134	-3.66398	45.53771	-404.166
45242_5242	45242	5242	-675.427	134.0183	9.03315	3.9732	-45.5377	404.165
45242_5243	45242	5243	675.4275	-124.638	-9.03315	-3.9732	-11.8726	417.8412
45243_5243	45243	5243	-674.413	104.7	-7.03369	4.300275	11.87261	-417.788
45243_5244	45243	5244	674.4126	-90.2029	7.033688	-4.30028	57.23498	1375.388
45244_5244	45244	5244	-674.434	90.20288	-4.77094	-0.3171	-57.235	-1375.39
45244_5245	45244	5245	674.4336	-75.7593	4.770938	0.3171	103.9238	2187.67
45245_5245	45245	5245	-674.45	55.32503	-3.06863	6.8943	-103.924	-2187.05
45245_5246	45245	5246	674.4499	-40.362	3.068625	-6.8943	135.0484	2672.273
45246_5246	45246	5246	-674.456	40.362	-0.78409	-2.15985	-135.048	-2672.28
45246_5247	45246	5247	674.4562	-26.3721	0.784088	2.15985	142.4813	2988.671
45247_5247	45247	5247	-674.556	2.844975	3.318525	6.910313	-142.481	-2987.92
45247_5248	45247	5248	674.5557	-10.86855	-3.31853	-6.91031	111.6541	2950.633
45248_5248	45248	5248	-674.544	-10.8686	5.407238	-2.23178	-111.654	-2950.64
45248_5249	45248	5249	674.5436	26.11088	-5.40724	2.231775	55.79385	2759.639
45249_5249	45249	5249	-674.689	-46.3864	11.68493	2.800613	-55.7939	-2759.15
45249_5250	45249	5250	674.6888	61.30635	-11.6849	-2.80061	-62.3763	2214.655
45250_5250	45250	5250	-674.657	-61.3064	13.44026	-2.95234	62.3763	-2214.66
45250_5251	45250	5251	674.657	75.34196	-13.4403	2.952338	-190.205	1564.777
45251_5251	45251	5251	-673.613	-105.096	-16.9635	-16.4745	190.2046	-1565.09
45251_5252	45251	5252	673.6125	114.0211	16.96354	16.4745	-87.6044	902.4839
45252_5252	45252	5252	-673.637	-114.021	-15.9196	-17.8776	87.60439	-902.457
45252_5253	45252	5253	673.6367	123.2577	15.91958	17.87756	12.04298	159.7982
45253_5253	45253	5253	-673.677	-123.258	-14.174	-18.4257	-12.043	-153.331
45253_5254	45253	5254	673.6766	137.2718	14.17395	18.42566	146.658	-1083.88
45254_5254	45254	5254	42.20711	232.654	-37.7924	151.3126	-237.528	3798.241
45254_5255	45254	5255	-41.7932	-228.692	37.79239	-151.313	339.5435	-3207.16
45255_5255	45255	5255	34.26413	200.1707	19.71926	1.364475	-323.31	3203.541
45255_5256	45255	5256	-32.6146	-181.679	-19.7193	-1.36448	75.28264	-785.292
45256_5256	45256	5256	28.87605	182.3191	19.656	5.945625	-75.4417	785.2548
45256_5257	45256	5257	-27.9612	-168.883	-19.656	-5.94563	-103.9	849.2741
45257_5257	45257	5257	23.99513	131.6301	-4.41919	9.184088	103.7206	-849.13
45257_5258	45257	5258	-23.4804	-122.039	4.419188	-9.18409	-74.96	1707.859
45258_5258	45258	5258	21.96364	122.3195	-4.45909	4.320488	75.23093	-1707.86
45258_5259	45258	5259	-21.5085	-111.346	4.459088	-4.32049	-42.0425	2654.215
45259_5259	45259	5259	19.70351	111.678	-4.51001	-1.96088	42.2478	-2646.63
45259_5260	45259	5260	-19.4163	-100.344	4.510013	1.960875	-7.60174	3501.939
45260_5260	45260	5260	-38.8432	39.44483	4.407638	-36.0153	43.66399	12206.09
45260_5261	45260	5261	38.9823	-30.2883	-4.40764	36.01526	-69.7179	-11989.7
45261_5261	45261	5261	-39.2401	29.93419	4.55175	4.501613	69.13463	11989.74
45261_5262	45261	5262	39.30124	-20.007	-4.55175	-4.50161	-98.2821	-11258.8
45262_5262	45262	5262	-39.4183	19.76599	4.595588	17.1822	98.3073	11261.91
45262_5263	45262	5263	39.41831	-0.88095	-4.59559	-17.1822	-154.318	-11136.1
45263_5263	45263	5263	-39.3737	-38.5781	-5.66423	-16.1907	154.3182	11135.74
45263_5264	45263	5264	39.37369	56.2716	5.664225	16.19074	-89.634	-11677.3
45264_5264	45264	5264	-39.3897	-56.2716	-5.55188	17.35178	89.63404	11677.27
45264_5265	45264	5265	39.3897	74.3001	5.551875	-17.3518	-25.0436	-12436.8
45265_5265	45265	5265	-39.4131	-104.411	-5.54111	-28.2833	25.04355	12437.05
45265_5266	45265	5266	39.41306	122.478	5.541113	28.28333	39.5619	-13759.8
45266_5266	45266	5266	-39.4343	-122.478	-5.38571	26.20091	-39.5619	13759.76
45266_5267	45266	5267	39.43433	140.1317	5.385713	-26.2009	100.9124	-15255.7
45267_5267	45267	5267	-39.3663	-171.424	3.328238	-47.7175	-100.912	15256.79

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45267_5268	45267	5268	39.36634	189.305	-3.32824	47.71751	62.5233	-17338
45268_5268	45268	5268	-39.3495	-189.305	3.514875	35.17028	-62.5233	17337.99
45268_5269	45268	5269	39.34954	207.1346	-3.51488	-35.1703	22.07914	-19618.7
45269_5269	45269	5269	-39.6212	-237.971	-13.1544	-66.0274	-22.0791	19620.8
45269_5270	45269	5270	39.62123	251.7029	13.1544	66.02741	138.6438	-21790.4
45270_5270	45270	5270	-39.659	-251.703	-13.0394	-2.99723	-138.644	21790.53
45270_5271	45270	5271	39.65903	265.3765	13.03943	2.997225	253.7162	-25757.1
45271_5271	45271	5271	-38.0061	-265.624	-12.9502	52.44776	-253.389	25759.12
45271_5272	45271	5272	37.94333	275.5426	12.95018	-52.4478	336.2801	-27612.4
45272_5272	45272	5272	-33.8368	-322.118	13.48568	-87.774	-338.137	27615.31
45272_5273	45272	5273	33.65171	333.0133	-13.4857	87.77396	243.3165	-29236.5
45273_5273	45273	5273	-30.0704	-333.351	13.56311	-29.1241	-242.692	29236.6
45273_5274	45273	5274	29.7906	343.497	-13.5631	29.12411	153.8612	-31541.8
45274_5274	45274	5274	-24.0332	-343.945	13.66181	52.74911	-150.816	31551.57
45274_5275	45274	5275	23.26853	361.2171	-13.6618	-52.7491	-1.60073	-35299.8
45275_5275	45275	5275	-16.1031	-400.985	-69.2459	-91.4789	-6.52523	35306.04
45275_5276	45275	5276	15.13785	416.2239	69.24593	91.47889	688.7787	-39452.9
45276_5276	45276	5276	-7.78391	-416.453	-69.0748	77.44328	-677.565	39453.18
45276_5277	45276	5277	6.578512	431.2185	69.07478	-77.4433	1337.728	-43625.7
45277_5277	45277	5277	61.98203	-288.927	26.39989	-73.2656	-512.52	15922.15
45277_5278	45277	5278	-63.1927	301.1487	-26.3999	73.26559	308.1472	-18097.7
45278_5278	45278	5278	-1218.18	226.4207	12.21911	22.12166	-236.892	7370.642
45278_5279	45278	5279	1218.183	-211.37	-12.2191	-22.1217	120.9135	-5148.64
45279_5279	45279	5279	-1218.14	211.3697	15.85815	35.73806	-120.914	5013.328
45279_5280	45279	5280	1218.142	-201.009	-15.8582	-35.7381	17.30689	-3666.23
45280_5280	45280	5280	-1218.76	148.1041	-21.7256	0.270375	-17.3069	3666.747
45280_5281	45280	5281	1218.76	-129.61	21.72555	-0.27038	270.6884	-2047.3
45281_5281	45281	5281	-1218.81	129.6104	-18.5396	5.623275	-270.688	2047.289
45281_5282	45281	5282	1218.812	-109.931	18.53959	-5.62328	500.7471	-561.012
45282_5282	45282	5282	-1218.41	98.84385	16.52516	0.79905	-500.747	1192.893
45282_5283	45282	5283	1218.407	-84.5625	-16.5252	-0.79905	296.0173	-56.8163
45283_5283	45283	5283	-1218.35	84.56254	20.31278	0.976238	-296.017	56.81524
45283_5284	45283	5284	1218.35	-71.0958	-20.3128	-0.97624	58.68476	852.5344
45284_5284	45284	5284	-1218.75	2.771475	-6.58586	4.21575	-58.6848	-852.651
45284_5285	45284	5285	1218.75	10.22569	6.585863	-4.21575	132.9434	810.6249
45285_5285	45285	5285	-1218.76	-10.2257	-3.67553	2.280075	-132.943	-810.635
45285_5286	45285	5286	1218.764	21.83213	3.675525	-2.28008	169.9543	649.2462
45286_5286	45286	5286	-1218.91	-58.4774	15.65918	2.388225	-169.954	-649.196
45286_5287	45286	5287	1218.911	71.63048	-15.6592	-2.38823	-8.70424	-93.0791
45287_5287	45287	5287	-1218.85	-71.6305	19.85944	2.709	8.704237	93.07069
45287_5288	45287	5288	1218.85	84.84735	-19.8594	-2.709	-236.46	-990.389
45288_5288	45288	5288	-1219.46	-99.2985	-14.0225	-20.5921	236.4597	990.8506
45288_5289	45288	5289	1219.457	103.9062	14.02249	20.59208	-180.393	-1397.14
45289_5289	45289	5289	-1219.48	-103.906	-12.291	-19.1717	180.3926	1452.839
45289_5290	45289	5290	1219.476	114.8569	12.29104	19.17169	-63.6292	-2541.8
45290_5290	45290	5290	62.50781	428.9859	-14.2215	19.57043	-127.546	11302.77
45290_5291	45290	5291	-61.3491	-417.016	14.22146	-19.5704	275.8867	-6801.82
45291_5291	45291	5291	47.64244	367.3945	11.05703	-7.45894	-272.882	6802.66
45291_5292	45291	5292	-46.7518	-354.923	-11.057	7.458938	152.9574	-2834.54
45292_5292	45292	5292	38.39483	355.9274	10.97723	6.537038	-153.587	2834.504
45292_5293	45292	5293	-37.8601	-344.731	-10.9772	-6.53704	46.85651	687.3382
45293_5293	45293	5293	29.83785	295.6026	-1.32038	10.94756	-46.8316	-687.385
45293_5294	45293	5294	-29.5924	-287.197	1.320375	-10.9476	56.46454	3169.884
45294_5294	45294	5294	24.44138	287.6803	-1.37288	5.3886	-56.1852	-3165.27
45294_5295	45294	5295	-24.3429	-278.882	1.372875	-5.3886	66.66555	4939.255
45295_5295	45295	5295	21.29295	279.1296	-1.4238	-5.98789	-66.5963	-4939.26
45295_5296	45295	5296	-21.2914	-269.678	1.4238	5.987888	78.2775	7189.666
45296_5296	45296	5296	34.90541	199.793	3.009038	30.51143	-115.579	-12303.4

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45296_5297	45296	5297	-34.9054	-194.906	-3.00904	-30.5114	103.0961	13122.12
45297_5297	45297	5297	34.9083	194.906	2.968088	15.93926	-103.096	-13131.5
45297_5298	45297	5298	-34.9083	-183.998	-2.96809	-15.9393	75.60079	14886.35
45298_5298	45298	5298	34.91539	183.9975	2.885925	-19.4807	-75.6008	-14886.3
45298_5299	45298	5299	-34.9154	-173.2	-2.88593	19.48065	49.15628	16523.26
45299_5299	45299	5299	34.90226	133.3106	0.797213	43.26578	-49.1563	-16524.6
45299_5300	45299	5300	-34.9023	-119.571	-0.79721	-43.2658	39.85039	17999.6
45300_5300	45300	5300	34.90358	119.5709	0.662025	-26.5311	-39.8504	-17999.6
45300_5301	45300	5301	-34.9036	-104.971	-0.66203	26.53114	31.64044	19391.24
45301_5301	45301	5301	34.92326	58.64539	1.802588	45.06784	-31.6404	-19392.8
45301_5302	45301	5302	-34.9233	-43.9126	-1.80259	-45.0678	9.079875	20034.24
45302_5302	45302	5302	34.92878	43.91258	1.668713	-31.9321	-9.07988	-20034.3
45302_5303	45302	5303	-34.9288	-30.318	-1.66871	31.93208	-10.1876	20462.67
45303_5303	45303	5303	34.93166	-13.2255	1.329038	48.57746	10.18763	-20464.2
45303_5304	45303	5304	-34.9317	28.55108	-1.32904	-48.5775	-27.4764	20192.35
45304_5304	45304	5304	34.93718	-28.5511	1.175738	-39.0721	27.4764	-20192.4
45304_5305	45304	5305	-34.9372	41.56346	-1.17574	39.07208	-40.4799	19805.07
45305_5305	45305	5305	34.95161	-84.6825	2.295038	37.97509	40.47986	-19806.5
45305_5306	45305	5306	-34.9516	98.88323	-2.29504	-37.9751	-68.1332	18699.96
45306_5306	45306	5306	34.9587	-98.8832	2.179538	-22.8291	68.13319	-18700
45306_5307	45306	5307	-34.9587	112.9976	-2.17954	22.8291	-94.2575	17430.42
45307_5307	45307	5307	34.95923	-157.738	0.272475	37.14191	94.25745	-17431.7
45307_5308	45307	5308	-34.9592	171.7322	-0.27248	-37.1419	-97.4991	15474.24
45308_5308	45308	5308	34.9608	-171.732	0.134138	-24.1219	97.49906	-15474.3
45308_5309	45308	5309	-34.9608	186.0708	-0.13414	24.12191	-99.1329	13296.32
45309_5309	45309	5309	35.12828	-222.866	15.4833	23.94919	99.13286	-13297.1
45309_5310	45309	5310	-35.1283	237.0564	-15.4833	-23.9492	-285.674	10526.49
45310_5310	45310	5310	35.18603	-237.056	15.35258	-15.0667	285.6738	-10526.5
45310_5311	45310	5311	-35.186	251.1876	-15.3526	15.06671	-469.874	7597.491
45311_5311	45311	5311	34.8873	-318.326	-19.9763	7.035788	469.8742	-7597.85
45311_5312	45311	5312	-34.8873	333.1695	19.97625	-7.03579	-218.148	3493.193
45312_5312	45312	5312	34.79201	-333.169	-20.1419	-9.38963	218.148	-3493.19
45312_5313	45312	5313	-34.792	345.9257	20.14189	9.389625	0	-184.458

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
5000_5000	5000	5000	1.809	18.379	-0.041	0.03	0	6.148	1
5000_5001	5000	5001	48.402	-47.583	0.032	-0.054	0.411	371.964	1
5001_5001	5001	5001	2.43	-2.396	0.041	-0.007	0.518	18.637	1
5001_5002	5001	5002	72.473	-39.895	0.039	0.046	0.887	555.399	1
5002_5002	5002	5002	4.431	-2.546	-0.035	-0.011	0.7	34.38	1
5002_5003	5002	5003	96.662	-33.076	-0.046	-0.115	0.394	739.169	1
5003_5003	5003	5003	6.985	-2.57	-0.031	0.007	0.24	53.924	1
5003_5004	5003	5004	109.133	-25.308	-0.049	0.121	-0.186	834.293	1
5004_5004	5004	5004	9.552	-2.573	0.003	-0.012	-0.127	73.578	1
5004_5005	5004	5005	121.408	-27.718	0.006	-0.078	-0.144	927.612	1
5005_5005	5005	5005	12.113	-2.573	0.003	0.007	-0.091	92.986	1
5005_5006	5005	5006	125.006	-20.979	0.006	0.098	-0.082	954.964	1
5006_5006	5006	5006	14.676	-2.596	-0.003	-0.024	-0.054	112.411	1
5006_5007	5006	5007	131.591	-24.846	-0.006	-0.171	-0.156	1004.816	1
5007_5007	5007	5007	17.259	-2.596	-0.002	0.024	-0.084	131.985	1
5007_5008	5007	5008	130.525	-18.371	-0.005	0.167	-0.232	996.606	1
5008_5008	5008	5008	19.842	-2.648	0.001	-0.029	-0.114	151.612	1
5008_5009	5008	5009	133.079	-22.382	0.003	-0.176	-0.206	1015.788	1
5009_5009	5009	5009	22.478	-2.648	0.001	0.034	-0.105	171.593	1
5009_5010	5009	5010	128.327	-15.97	0.003	0.163	-0.174	979.578	1
5010_5010	5010	5010	25.122	-2.769	-0.002	0.004	-0.096	191.85	1
5010_5011	5010	5011	128.237	-7.054	-0.006	0.01	-0.237	979.076	1
5011_5011	5011	5011	27.877	-2.769	-0.002	0.004	-0.118	212.736	1
5011_5012	5011	5012	120.816	-0.237	-0.005	0.007	-0.307	922.637	1
5012_5012	5012	5012	30.634	-2.978	0	-0.014	-0.14	233.627	1
5012_5013	5012	5013	116.93	-4.155	0.013	-0.061	-0.153	892.991	1
5013_5013	5013	5013	33.599	-2.978	0.001	0.027	-0.134	256.1	1
5013_5014	5013	5014	105.866	2.68	0.012	0.076	-0.01	808.942	1
5014_5014	5014	5014	36.568	-3.258	-0.004	-0.014	-0.124	278.666	1
5014_5015	5014	5015	93.533	1.806	-0.021	-0.04	-0.372	715.182	1
5015_5015	5015	5015	44.591	-3.122	-0.003	0.02	-0.134	318.577	1
5015_5016	5015	5016	89.254	-6.88	-0.012	0.037	-0.317	657.434	1
5016_5016	5016	5016	45.965	-3.627	0.003	-0.016	-0.164	337.116	1
5016_5017	5016	5017	71.648	-8.349	0.008	-0.027	-0.205	586.354	1
5017_5017	5017	5017	45.308	-3.54	0.003	0.027	-0.127	373.86	1
5017_5018	5017	5018	44.999	-1.9	0.008	0.029	-0.087	458.218	1
5018_5018	5018	5018	41.544	-4.103	-0.003	-0.023	-0.087	418.685	1
5018_5019	5018	5019	24.525	0.163	-0.001	-0.014	-0.102	318.792	1
5019_5019	5019	5019	36.869	-4.211	-0.003	0.042	-0.112	469.66	1
5019_5020	5019	5020	11.157	-0.85	-0.002	0.017	-0.106	182.78	1
5020_5020	5020	5020	41.711	23.377	-0.005	-0.007	0.059	351.606	1
5020_5021	5020	5021	67.962	-24.284	0.016	-0.01	-0.279	278.589	1
5021_5021	5021	5021	25.789	17.929	-0.003	-0.003	-0.024	222.48	1
5021_5022	5021	5022	72.436	-25.999	0.011	-0.01	-0.106	344.61	1
5022_5022	5022	5022	14.001	14.966	-0.001	0.013	-0.066	151.094	1
5022_5023	5022	5023	74.975	-21.612	0.007	0.021	-0.044	384.062	1
5023_5023	5023	5023	4.613	0.628	0.002	0.003	-0.134	62.615	1
5023_5024	5023	5024	78.624	-21.924	0.003	0.009	-0.005	429.57	1
5024_5024	5024	5024	4.144	0.628	0.001	-0.005	-0.117	59.468	1
5024_5025	5024	5025	79.664	-17.094	0.005	-0.052	0.04	455.225	1
5025_5025	5025	5025	3.675	0.628	0.003	0.009	-0.107	56.325	1
5025_5026	5025	5026	78.409	-11.863	0.001	0.053	0.047	460.961	1
5026_5026	5026	5026	3.205	0.607	0.003	0.001	-0.084	53.18	1
5026_5027	5026	5027	79.923	-16.014	0.002	-0.01	0.062	479.228	1
5027_5027	5027	5027	2.865	0.607	0.003	0	-0.068	50.898	1
5027_5028	5027	5028	80.136	-12.093	0.002	-0.021	0.069	486.297	1
5028_5028	5028	5028	2.525	0.606	0.003	0.001	-0.053	49.615	1
5028_5029	5028	5029	78.504	-17.911	0	-0.018	0.054	476.35	1
5029_5029	5029	5029	2.185	0.606	0.004	0.008	-0.036	47.338	1
5029_5030	5029	5030	76.436	-14.281	-0.003	0.047	0.035	457.063	1
5030_5030	5030	5030	1.846	0.581	0.004	-0.001	-0.013	46.324	1
5030_5031	5030	5031	76.877	-16.84	-0.002	-0.036	0.01	450.017	1
5031_5031	5031	5031	2.069	-0.461	-0.003	-0.002	-0.003	-19.386	1
5031_5032	5031	5032	74.886	-12.007	-0.005	0.013	-0.036	423.052	1
5032_5032	5032	5032	2.439	-0.516	-0.003	-0.002	-0.028	-18.686	1
5032_5033	5032	5033	70.228	-7.659	-0.006	0.009	-0.095	376.374	1
5033_5033	5033	5033	2.849	-0.591	-0.007	0	-0.057	-17.503	1
5033_5034	5033	5034	66.646	-7.931	-0.008	-0.007	-0.171	335.809	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5034_5034	5034	5034	11.952	-15.421	0.003	-0.008	-0.086	145.024	1
5034_5035	5034	5035	60.868	-3.974	-0.009	-0.01	-0.261	281.239	1
5035_5035	5035	5035	22.467	-18.587	0.005	0.018	-0.047	226.84	1
5035_5036	5035	5036	53.359	-6.431	-0.018	0.009	-0.566	200.214	1
5036_5036	5036	5036	57.741	25.943	0.006	-0.05	0.394	634.753	1
5036_5037	5036	5037	12.58	2.583	0	-0.007	0.183	96.224	1
5037_5037	5037	5037	51.35	20.607	0.001	0.074	0.463	435.205	1
5037_5038	5037	5038	28.074	-27.654	0.003	0.024	-0.185	415.507	1
5038_5038	5038	5038	43.734	17.648	-0.001	0.001	0.473	285.949	1
5038_5039	5038	5039	49.065	-24.869	-0.005	-0.066	-0.271	524.939	1
5039_5039	5039	5039	33.424	12.579	-0.005	0.02	0.413	163.294	1
5039_5040	5039	5040	62.697	-18.364	-0.001	0.041	-0.341	568.25	1
5040_5040	5040	5040	27.622	3.726	0.007	-0.014	-0.326	273.257	1
5040_5041	5040	5041	71.428	-22.099	0.008	-0.032	-0.285	618.474	1
5041_5041	5041	5041	29.781	3.643	0.004	0.004	-0.126	232.377	1
5041_5042	5041	5042	86.869	-12.844	0.004	0.008	-0.075	609.946	1
5042_5042	5042	5042	24.123	3.162	-0.001	0	-0.066	196.4	1
5042_5043	5042	5043	95.565	-16.561	-0.002	0	-0.098	662.395	1
5043_5043	5043	5043	20.411	3.124	-0.001	0	-0.082	172.219	1
5043_5044	5043	5044	97.871	-20.519	-0.001	-0.002	-0.124	668.587	1
5044_5044	5044	5044	16.738	2.916	0.001	0.001	-0.097	147.773	1
5044_5045	5044	5045	104.944	-24.077	0	0.003	-0.114	708.886	1
5045_5045	5045	5045	13.722	-2.667	0.001	-0.001	-0.065	85.449	1
5045_5046	5045	5046	102.879	-16.967	0	-0.002	-0.114	694.561	1
5046_5046	5046	5046	17.009	-2.876	0	-0.009	-0.059	110.186	1
5046_5047	5046	5047	105.575	-20.669	0	-0.048	-0.106	709.732	1
5047_5047	5047	5047	20.456	-2.939	0	0.009	-0.06	133.052	1
5047_5048	5047	5048	99.689	-13.717	0.002	0.04	-0.084	673.219	1
5048_5048	5048	5048	23.975	-3.06	0	-0.012	-0.058	155.85	1
5048_5049	5048	5049	98.257	-17.276	0.002	-0.046	-0.062	663.651	1
5049_5049	5049	5049	27.65	-3.117	0.001	0.014	-0.054	180.102	1
5049_5050	5049	5050	89.818	-10.601	0.003	0.04	-0.02	610.434	1
5050_5050	5050	5050	31.37	-3.38	0.001	-0.01	-0.045	204.106	1
5050_5051	5050	5051	84.193	-12.743	-0.002	-0.023	-0.046	571.183	1
5051_5051	5051	5051	34.866	-3.388	0.002	0.027	-0.027	247.33	1
5051_5052	5051	5052	70.679	-7.452	-0.001	0.053	-0.056	543.546	1
5052_5052	5052	5052	36.712	-3.707	-0.001	-0.03	-0.013	266.152	1
5052_5053	5052	5053	58.309	-9.151	-0.002	-0.052	-0.056	500.47	1
5053_5053	5053	5053	33.697	-3.795	-0.001	0.058	-0.03	317.913	1
5053_5054	5053	5054	32.572	-2.721	0.001	0.071	-0.064	423.702	1
5054_5054	5054	5054	40.849	-13.832	-0.001	-0.063	0.126	272.788	1
5054_5055	5054	5055	17.821	-2.195	0.001	-0.019	0.019	87.958	1
5055_5055	5055	5055	47.579	-18.024	-0.004	0.051	0.131	423.96	1
5055_5056	5055	5056	17.906	-1.798	-0.001	0.006	0.006	108.175	1
5056_5056	5056	5056	34.27	22.935	-0.003	0.005	0.05	323.164	1
5056_5057	5056	5057	63.633	-29.928	0.007	-0.004	-0.126	309.722	1
5057_5057	5057	5057	18.065	17.651	-0.003	-0.012	-0.001	206.081	1
5057_5058	5057	5058	68.987	-25.825	0.006	-0.034	-0.054	372.747	1
5058_5058	5058	5058	7.514	14.752	-0.001	0.019	-0.035	135.346	1
5058_5059	5058	5059	72.04	-21.313	0.004	0.046	-0.021	417.48	1
5059_5059	5059	5059	5.374	0.524	0	-0.013	-0.081	59.648	1
5059_5060	5059	5060	76.018	-21.714	0.006	-0.137	0.035	467.957	1
5060_5060	5060	5060	5.012	0.524	0.001	0.013	-0.081	56.897	1
5060_5061	5060	5061	77.456	-16.819	0.002	0.064	0.052	496.768	1
5061_5061	5061	5061	5.13	-0.459	-0.003	0.001	-0.065	49.616	1
5061_5062	5061	5062	76.616	-11.542	0.002	0.059	0.066	503.659	1
5062_5062	5062	5062	5.449	-0.495	-0.002	-0.013	-0.088	49.522	1
5062_5063	5062	5063	78.273	-15.924	0.001	-0.063	0.072	523.771	1
5063_5063	5063	5063	5.706	-0.495	-0.002	-0.014	-0.1	51.47	1
5063_5064	5063	5064	78.664	-12.009	0.001	-0.088	0.075	531.806	1
5064_5064	5064	5064	5.961	-0.495	-0.002	0.003	-0.113	53.415	1
5064_5065	5064	5065	77.908	-18.035	-0.002	0.071	0.052	523.104	1
5065_5065	5065	5065	6.218	-0.495	-0.002	0.003	-0.125	55.363	1
5065_5066	5065	5066	76.066	-14.406	-0.002	0.06	0.038	502.344	1
5066_5066	5066	5066	6.474	-0.523	-0.001	-0.01	-0.136	57.312	1
5066_5067	5066	5067	76.686	-17.168	-0.002	-0.034	0.018	494.825	1
5067_5067	5067	5067	6.836	-0.526	-0.001	-0.01	-0.144	58.763	1
5067_5068	5067	5068	75.043	-12.286	-0.002	-0.041	-0.006	465.603	1
5068_5068	5068	5068	7.199	-0.526	-0.001	0.005	-0.155	61.517	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5068_5069	5068	5069	70.9	-7.883	-0.005	0.058	-0.052	415.089	1
5069_5069	5069	5069	7.562	-0.579	0.001	-0.019	-0.164	64.276	1
5069_5070	5069	5070	67.754	-8.245	-0.004	-0.075	-0.089	370.883	1
5070_5070	5070	5070	7.949	-0.58	0.001	-0.001	-0.157	66.143	1
5070_5071	5070	5071	62.296	-4.165	-0.007	0.01	-0.157	310.325	1
5071_5071	5071	5071	18.077	-17.757	0.004	0.023	-0.036	212.593	1
5071_5072	5071	5072	55.009	-6.432	-0.012	0.02	-0.337	214.784	1
5072_5072	5072	5072	49.243	27.772	0.002	-0.034	0.234	577.541	1
5072_5073	5072	5073	13.305	0.082	0.002	-0.03	-0.144	126.528	1
5073_5073	5073	5073	41.733	21.083	0	0.063	0.251	376.933	1
5073_5074	5073	5074	29.435	-27.58	0.003	0.023	-0.127	430.377	1
5074_5074	5074	5074	34.016	15.513	0.002	-0.004	0.237	237.548	1
5074_5075	5074	5075	50.102	-24.711	0.002	-0.11	-0.12	544.295	1
5075_5075	5075	5075	37.248	3.535	0.002	0.037	-0.093	305.901	1
5075_5076	5075	5076	70.595	-17.959	0.004	0.053	-0.07	558.722	1
5076_5076	5076	5076	37.026	3.046	-0.002	-0.024	-0.072	270.44	1
5076_5077	5076	5077	80.814	-21.893	-0.002	-0.056	-0.087	613.247	1
5077_5077	5077	5077	32.819	3.06	-0.002	0.019	-0.125	253.478	1
5077_5078	5077	5078	81.057	-25.284	0.005	0.032	-0.134	670.625	1
5078_5078	5078	5078	29.054	2.827	0.001	-0.032	-0.163	222.016	1
5078_5079	5078	5079	90.881	-28.321	-0.003	-0.117	-0.163	738.659	1
5079_5079	5079	5079	26.313	2.758	0.002	0.032	-0.148	198.565	1
5079_5080	5079	5080	93.729	-21.656	-0.001	0.096	-0.169	756.554	1
5080_5080	5080	5080	23.641	2.612	0.001	-0.025	-0.126	175.423	1
5080_5081	5080	5081	100.399	-25.479	0	-0.131	-0.166	802.901	1
5081_5081	5081	5081	21.123	2.535	0.001	0.025	-0.118	153.262	1
5081_5082	5081	5082	99.934	-18.844	0.003	0.102	-0.131	798.457	1
5082_5082	5082	5082	18.696	2.421	0.001	0.001	-0.109	131.621	1
5082_5083	5082	5083	103.568	-22.497	-0.001	-0.002	-0.136	824.745	1
5083_5083	5083	5083	16.247	2.261	0.001	0.002	-0.095	107.064	1
5083_5084	5083	5084	99.511	-3.78	-0.001	0.004	-0.146	795.363	1
5084_5084	5084	5084	18.12	-2.566	-0.001	-0.024	-0.089	139.825	1
5084_5085	5084	5085	99.807	-8.283	0	-0.121	-0.144	797.491	1
5085_5085	5085	5085	20.652	-2.63	0	0.027	-0.098	161.135	1
5085_5086	5085	5086	92.967	-1.312	0.003	0.123	-0.113	748.787	1
5086_5086	5086	5086	23.234	-2.763	0.001	-0.032	-0.102	182.048	1
5086_5087	5086	5087	90.078	-5.513	0.003	-0.116	-0.079	729.436	1
5087_5087	5087	5087	25.94	-2.798	0.002	0.034	-0.085	203.329	1
5087_5088	5087	5088	81.004	-10.527	0.005	0.097	-0.019	667.109	1
5088_5088	5088	5088	28.685	-2.992	-0.001	-0.02	-0.06	225.01	1
5088_5089	5088	5089	75.17	-12.329	-0.003	-0.051	-0.066	621.827	1
5089_5089	5089	5089	31.728	-2.981	-0.001	0.042	-0.065	264.998	1
5089_5090	5089	5090	64.865	-7.83	-0.001	0.083	-0.067	594.764	1
5090_5090	5090	5090	33.094	-3.315	-0.001	-0.06	-0.072	283.934	1
5090_5091	5090	5091	52.757	-9.449	-0.001	-0.104	-0.072	542.7	1
5091_5091	5091	5091	32.494	-3.42	0	0.06	-0.1	321.281	1
5091_5092	5091	5092	31.384	-2.737	0.002	0.072	-0.066	431.728	1
5092_5092	5092	5092	34.809	-13.526	-0.002	-0.032	0.141	251.12	1
5092_5093	5092	5093	15.686	-0.658	-0.001	-0.016	-0.086	302.112	1
5093_5093	5093	5093	41.733	-19.115	-0.003	0.019	0.139	391.765	1
5093_5094	5093	5094	12.631	-2.091	-0.001	0.002	-0.009	105.626	1
5094_5094	5094	5094	32.816	22.441	-0.001	-0.012	0.01	323.119	1
5094_5095	5094	5095	61.319	-30.009	0.008	-0.031	-0.129	309.561	1
5095_5095	5095	5095	16.183	17.274	0	-0.002	-0.028	211.602	1
5095_5096	5095	5096	64.449	-25.906	0.007	-0.021	-0.083	381.574	1
5096_5096	5096	5096	6.626	0.504	0	0.014	-0.107	59.921	1
5096_5097	5096	5097	67.066	-21.284	0.002	0.06	-0.061	427.056	1
5097_5097	5097	5097	6.312	0.467	0.005	-0.001	-0.111	57.271	1
5097_5098	5097	5098	70.673	-21.878	0.003	-0.028	-0.032	479.426	1
5098_5098	5098	5098	6.013	0.467	0.005	-0.001	-0.074	54.736	1
5098_5099	5098	5099	71.884	-16.879	0.002	-0.037	-0.01	509.03	1
5099_5099	5099	5099	5.713	0.467	0.005	0.012	-0.037	52.201	1
5099_5100	5099	5100	70.94	-11.493	0	0.076	-0.008	515.286	1
5100_5100	5100	5100	5.414	0.445	0.001	0.018	0.001	49.669	1
5100_5101	5100	5101	72.53	-16.235	-0.001	0.145	-0.015	536.78	1
5101_5101	5101	5101	5.199	0.445	0.001	0.034	0.006	47.855	1
5101_5102	5101	5102	72.934	-12.254	-0.004	0.365	-0.039	545.59	1
5102_5102	5102	5102	4.985	0.445	0	-0.027	0.011	46.042	1
5102_5103	5102	5103	72.334	-18.077	0.004	-0.318	-0.032	536.973	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5103_5103	5103	5103	4.77	0.445	0.001	-0.013	0.014	44.228	1
5103_5104	5103	5104	70.672	-14.396	0.001	-0.13	-0.032	515.51	1
5104_5104	5104	5104	4.687	-0.537	-0.003	-0.014	-0.116	56.742	1
5104_5105	5104	5105	71.516	-17.434	0	-0.085	-0.04	509.222	1
5105_5105	5105	5105	5.032	-0.537	-0.003	0	-0.141	59.662	1
5105_5106	5105	5106	70.204	-12.438	-0.003	0.028	-0.069	479.599	1
5106_5106	5106	5106	5.377	-0.537	-0.003	0	-0.164	62.578	1
5106_5107	5106	5107	66.495	-7.933	-0.004	0.023	-0.107	427.11	1
5107_5107	5107	5107	5.722	-0.584	-0.001	-0.009	-0.186	65.498	1
5107_5108	5107	5108	63.781	-8.415	-0.004	-0.018	-0.153	381.579	1
5108_5108	5108	5108	6.213	-14.892	0	-0.018	-0.056	137.703	1
5108_5109	5108	5109	58.77	-4.213	-0.005	-0.027	-0.206	318.159	1
5109_5109	5109	5109	16.806	-17.187	0.002	0.023	-0.032	207.521	1
5109_5110	5109	5110	53.351	-6.338	-0.009	0.016	-0.299	212.417	1
5110_5110	5110	5110	47.776	24.772	0.002	-0.04	0.242	583.64	1
5110_5111	5110	5111	12.383	-33.992	0.001	-0.056	-0.129	306.936	1
5111_5111	5111	5111	41.499	18.475	0	0.059	0.262	391.302	1
5111_5112	5111	5112	28.873	-27.274	0.004	0.024	-0.113	433.752	1
5112_5112	5112	5112	34.937	14.462	0.002	-0.002	0.253	252.581	1
5112_5113	5112	5113	48.85	-24.474	-0.003	-0.066	-0.168	547.077	1
5113_5113	5113	5113	33.165	3.671	-0.001	0.039	-0.149	320.737	1
5113_5114	5113	5114	62.111	-17.536	-0.001	0.054	-0.172	585.087	1
5114_5114	5114	5114	32.87	3.308	0.004	-0.011	-0.154	284.417	1
5114_5115	5114	5115	70.317	-21.572	0.007	-0.023	-0.116	635.848	1
5115_5115	5115	5115	34.707	3.346	0.003	0.003	-0.104	239.087	1
5115_5116	5115	5116	83.534	-12.792	0.007	0.005	-0.001	605.623	1
5116_5116	5116	5116	30.281	3.081	-0.001	-0.011	-0.063	208.854	1
5116_5117	5116	5117	91.3	-16.792	-0.006	-0.037	-0.059	655.501	1
5117_5117	5117	5117	27.069	3.042	-0.001	0.011	-0.076	186.479	1
5117_5118	5117	5118	92.996	-20.695	-0.005	0.028	-0.113	661.684	1
5118_5118	5118	5118	23.9	2.922	0.001	-0.007	-0.084	163.823	1
5118_5119	5118	5119	99.51	-24.765	0.004	-0.039	-0.068	702.453	1
5119_5119	5119	5119	20.855	2.889	0.001	0.009	-0.07	142.857	1
5119_5120	5119	5120	98.124	-17.891	0.004	0.032	-0.015	693.464	1
5120_5120	5120	5120	17.88	2.758	0	-0.014	-0.056	119.761	1
5120_5121	5120	5121	102.057	-11.185	-0.003	-0.113	-0.052	718.753	1
5121_5121	5121	5121	14.829	2.615	0.001	0.016	-0.049	95.372	1
5121_5122	5121	5122	96.983	-3.444	0	0.105	-0.051	686.17	1
5122_5122	5122	5122	11.974	2.422	0.001	-0.001	-0.041	71.889	1
5122_5123	5122	5123	96.793	-8.235	0.001	-0.037	-0.035	685.827	1
5123_5123	5123	5123	13.613	-1.735	0	0.006	-0.023	96.426	1
5123_5124	5123	5124	88.689	-1.022	0.002	0.037	-0.012	635.705	1
5124_5124	5124	5124	15.471	-1.911	0	-0.014	-0.027	113.501	1
5124_5125	5124	5125	85.115	-5.427	0	-0.068	-0.015	615.33	1
5125_5125	5125	5125	17.496	-1.974	0.001	0.015	-0.022	129.361	1
5125_5126	5125	5126	74.444	-9.64	0.003	0.056	0.014	553.72	1
5126_5126	5126	5126	19.593	-2.213	0	-0.01	-0.01	145.941	1
5126_5127	5126	5127	68.217	-11.699	0	-0.03	0.025	512.159	1
5127_5127	5127	5127	23.275	-2.282	0	0.012	-0.01	170.614	1
5127_5128	5127	5128	61.008	-7.086	0.001	0.03	0.032	468.676	1
5128_5128	5128	5128	26.729	-8.096	0.001	-0.017	0.023	104.654	1
5128_5129	5128	5129	49.061	-9.004	0	-0.04	0.034	426.497	1
5129_5129	5129	5129	33.986	-10.972	-0.003	0.028	0.05	189.812	1
5129_5130	5129	5130	24.484	-2.318	0.005	0.054	0.102	349.368	1
5130_5130	5130	5130	42.804	-14.775	0	-0.029	0.007	312.34	1
5130_5131	5130	5131	14.347	-2.619	0	-0.009	-0.033	113.728	1
5131_5131	5131	5131	49.698	-20	0.001	0.031	0.023	458.242	1
5131_5132	5131	5132	14.127	-2.431	-0.001	0.007	-0.04	139.511	1
5132_5132	5132	5132	36.274	21.557	0	0.03	0.044	320.777	1
5132_5133	5132	5133	60.056	-24.675	-0.008	0.108	-0.088	247.549	1
5133_5133	5133	5133	21.573	16.258	0.002	0.068	0.031	194.606	1
5133_5134	5133	5134	66.41	-25.831	-0.01	0.168	-0.131	318.138	1
5134_5134	5134	5134	10.813	13.938	-0.008	-0.117	0.053	125.675	1
5134_5135	5134	5135	69.497	-21.076	0.018	-0.252	0.031	359.113	1
5135_5135	5135	5135	5.527	-0.269	-0.001	-0.001	0.031	28.072	1
5135_5136	5135	5136	74.137	-22.285	-0.004	-0.025	0.007	409.717	1
5136_5136	5136	5136	5.748	-0.305	-0.001	0.003	0.024	31.565	1
5136_5137	5136	5137	75.789	-17.164	-0.005	0.037	-0.036	438.085	1
5137_5137	5137	5137	5.973	-0.305	-0.001	-0.002	0.015	33.101	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5137_5138	5137	5138	74.724	-11.645	-0.003	-0.025	-0.06	444.038	1
5138_5138	5138	5138	6.198	-0.337	0	-0.003	0.007	35.405	1
5138_5139	5138	5139	76.688	-16.591	0.003	-0.046	-0.041	465.259	1
5139_5139	5139	5139	6.39	-0.353	0	0.004	0.008	37.648	1
5139_5140	5139	5140	77.196	-12.492	0.001	0.048	-0.033	474.46	1
5140_5140	5140	5140	6.594	-0.382	0	-0.004	0.008	40.826	1
5140_5141	5140	5141	75.667	-17.437	0.002	-0.046	-0.017	468.986	1
5141_5141	5141	5141	6.805	-0.382	0	0.005	0.008	42.27	1
5141_5142	5141	5142	73.362	-13.647	0	0.038	-0.014	448.99	1
5142_5142	5142	5142	7.021	-0.446	0	0	0.009	45.731	1
5142_5143	5142	5143	73.953	-16.898	0	-0.002	-0.02	444.478	1
5143_5143	5143	5143	7.353	-0.449	0	0	0.006	48.17	1
5143_5144	5143	5144	71.829	-11.77	0	-0.002	-0.023	417.441	1
5144_5144	5144	5144	7.706	-0.501	0	0	0.004	53.824	1
5144_5145	5144	5145	66.732	-7.151	0	-0.002	-0.025	368.139	1
5145_5145	5145	5145	8.099	-0.567	0	0.004	0.001	59.01	1
5145_5146	5145	5146	62.784	-7.614	0.001	0.01	-0.014	325.358	1
5146_5146	5146	5146	9.567	-14.17	-0.002	0.011	-0.001	131.676	1
5146_5147	5146	5147	56.247	-3.338	0.001	0.013	-0.005	265.941	1
5147_5147	5147	5147	19.636	-18.27	-0.003	-0.028	-0.013	204.488	1
5147_5148	5147	5148	47.038	-5.332	0.003	-0.019	0.015	174.549	1
5148_5148	5148	5148	61.487	23.087	0	-0.026	0.028	599.43	1
5148_5149	5148	5149	19.778	1.545	0	-0.007	-0.001	103.247	1
5149_5149	5149	5149	55.834	18.606	-0.002	0.028	0.027	410.953	1
5149_5150	5149	5150	22.369	-26.835	0	0.012	-0.004	384.725	1
5150_5150	5150	5150	49.465	14.436	0.001	-0.003	0.004	274.411	1
5150_5151	5150	5151	40.673	-23.942	0	-0.012	0.001	483.668	1
5151_5151	5151	5151	42.008	10.141	0	0.002	0.01	158.12	1
5151_5152	5151	5152	58.352	-17.158	0	0.003	0.001	481.59	1
5152_5152	5152	5152	33.513	8.397	0	0	0.011	90.787	1
5152_5153	5152	5153	66.35	-21.087	0	-0.001	-0.002	523.02	1
5153_5153	5153	5153	27.772	7.15	0	0	0.009	53.988	1
5153_5154	5153	5154	74.657	-12.648	0	-0.001	-0.005	523.696	1
5154_5154	5154	5154	21.124	3.238	0	0	-0.034	157.077	1
5154_5155	5154	5155	81.47	-16.202	0	-0.001	-0.007	564.812	1
5155_5155	5155	5155	17.492	3.131	0	0	-0.031	132.562	1
5155_5156	5155	5156	81.787	-9.041	0	-0.001	-0.009	567.329	1
5156_5156	5156	5156	13.999	2.96	0	0	-0.028	108.067	1
5156_5157	5156	5157	85.79	-13.151	-0.001	-0.001	-0.017	590.159	1
5157_5157	5157	5157	11.036	2.716	0	0	-0.028	84.249	1
5157_5158	5157	5158	83.427	-6.607	-0.001	-0.002	-0.027	576.591	1
5158_5158	5158	5158	8.378	2.393	0	0.002	-0.027	61.386	1
5158_5159	5158	5159	85.327	-20.538	0.001	0.019	-0.013	588.188	1
5159_5159	5159	5159	9.927	-2.076	0	-0.003	-0.032	67.414	1
5159_5160	5159	5160	81.122	-14.378	-0.001	-0.016	-0.019	564.549	1
5160_5160	5160	5160	12.175	-2.293	0	0	-0.035	86.338	1
5160_5161	5160	5161	80.563	-17.491	0.001	-0.001	-0.012	561.053	1
5161_5161	5161	5161	14.939	-2.524	0	0	-0.034	109.419	1
5161_5162	5161	5162	73.531	-11.02	0.001	-0.001	0	519.088	1
5162_5162	5162	5162	18.911	-5.518	0	-0.001	0.014	12.752	1
5162_5163	5162	5163	69.795	-12.577	-0.003	-0.01	-0.046	492.339	1
5163_5163	5163	5163	28.231	-7.177	-0.001	0.002	0.015	59.559	1
5163_5164	5163	5164	58.511	-8.082	-0.003	0.016	-0.071	466.298	1
5164_5164	5164	5164	34.621	-8.192	0	0.007	0.005	97.557	1
5164_5165	5164	5165	47.613	-9.559	0.003	0.021	-0.041	430.572	1
5165_5165	5165	5165	43.589	-10.313	0.002	-0.013	0.01	169.825	1
5165_5166	5165	5166	24.83	-3.107	0.001	-0.021	-0.022	354.177	1
5166_5166	5166	5166	52.776	-12.924	0.001	-0.021	0.038	282.901	1
5166_5167	5166	5167	21.457	-2.339	0	-0.007	0.017	119.779	1
5167_5167	5167	5167	59.945	-18.25	-0.001	0.021	0.052	421.313	1
5167_5168	5167	5168	21.057	-1.898	-0.001	0.005	0.011	140.241	1
5168_5168	5168	5168	41.788	24.824	0	-0.016	-0.011	325.083	1
5168_5169	5168	5169	58.814	-30.674	0.001	-0.014	-0.018	260.011	1
5169_5169	5169	5169	23.642	19.013	0.001	0.014	-0.011	196.439	1
5169_5170	5169	5170	66.534	-26.488	-0.001	0.022	-0.018	314.787	1
5170_5170	5170	5170	11.14	14.834	0	-0.003	-0.007	128.862	1
5170_5171	5170	5171	71.115	-21.951	0	-0.017	-0.014	357.752	1
5171_5171	5171	5171	8.507	0.671	0	0.005	0.014	67.119	1
5171_5172	5171	5172	76.782	-22.298	-0.001	0.036	-0.015	406.386	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5172_5172	5172	5172	8.014	0.589	0	-0.003	0.012	58.619	1
5172_5173	5172	5173	79.464	-17.337	0	-0.016	-0.01	434.83	1
5173_5173	5173	5173	7.553	0.589	0	-0.003	0.01	55.753	1
5173_5174	5173	5174	79.399	-11.973	0	-0.015	-0.007	442.738	1
5174_5174	5174	5174	7.129	0.469	0	0.004	0.008	47.937	1
5174_5175	5174	5175	81.893	-16.354	0	0.04	-0.006	462.587	1
5175_5175	5175	5175	6.853	0.469	0	-0.005	0.006	46.224	1
5175_5176	5175	5176	83.533	-21.689	0	-0.041	0.001	470.838	1
5176_5176	5176	5176	6.578	0.467	0	0.003	0.003	44.355	1
5176_5177	5176	5177	83.009	-17.681	-0.001	0.04	-0.003	462.912	1
5177_5177	5177	5177	6.318	0.438	0	-0.004	0.001	40.947	1
5177_5178	5177	5178	80.937	-13.969	0	-0.035	0	443.534	1
5178_5178	5178	5178	6.06	0.407	0	-0.002	-0.002	39.348	1
5178_5179	5178	5179	81.53	-16.667	0	-0.017	0.003	436.108	1
5179_5179	5179	5179	5.758	0.368	0	-0.002	-0.002	34.956	1
5179_5180	5179	5180	79.37	-11.716	0	-0.019	0.005	408.251	1
5180_5180	5180	5180	5.474	0.356	0	0.002	-0.001	32.52	1
5180_5181	5180	5181	74.208	-7.254	-0.001	0.028	-0.003	360.174	1
5181_5181	5181	5181	5.196	0.325	-0.001	-0.002	-0.001	30.787	1
5181_5182	5181	5182	70.045	-7.476	0	-0.022	-0.003	317.436	1
5182_5182	5182	5182	12.237	-14.875	0	0.015	-0.002	126.755	1
5182_5183	5182	5183	63.334	-3.401	-0.001	0.022	-0.013	260.012	1
5183_5183	5183	5183	23.485	-17.37	0	-0.015	0.003	201.699	1
5183_5184	5183	5184	54.649	-5.611	0.001	-0.009	-0.005	170.391	1
5184_5184	5184	5184	62.855	28.083	0	0.023	-0.018	624.395	1
5184_5185	5184	5185	14.208	2.233	0	0.007	-0.024	88.64	1
5185_5185	5185	5185	55.465	20.898	0.001	-0.02	-0.021	420.333	1
5185_5186	5185	5186	26.61	-28.109	-0.001	-0.009	-0.002	350.471	1
5186_5186	5186	5186	46.895	16.09	0.002	0.007	-0.017	269.582	1
5186_5187	5186	5187	48.127	-25.045	-0.001	0.011	-0.019	455.285	1
5187_5187	5187	5187	36.586	11.649	0.002	-0.001	0.006	147.253	1
5187_5188	5187	5188	65.903	-18.519	-0.002	-0.009	-0.033	481.413	1
5188_5188	5188	5188	26.822	2.926	0	-0.002	-0.027	189.069	1
5188_5189	5188	5189	75.726	-21.666	0	-0.004	-0.038	529.385	1
5189_5189	5189	5189	25.559	2.894	0	-0.001	-0.026	173.897	1
5189_5190	5189	5190	83.497	-13.567	-0.001	-0.002	-0.045	577.074	1
5190_5190	5190	5190	21.545	2.629	0	-0.001	-0.028	146.744	1
5190_5191	5190	5191	91.551	-16.409	-0.001	-0.003	-0.062	626.156	1
5191_5191	5191	5191	18.62	2.55	0	-0.001	-0.029	126.332	1
5191_5192	5191	5192	93.365	-9.511	-0.001	-0.003	-0.078	636.691	1
5192_5192	5192	5192	15.809	2.349	-0.001	-0.001	-0.028	104.376	1
5192_5193	5192	5193	98.26	-23.709	0	-0.004	-0.089	663.81	1
5193_5193	5193	5193	13.44	2.283	-0.001	-0.001	-0.036	88.127	1
5193_5194	5193	5194	96.696	-17.654	0	-0.003	-0.096	654.496	1
5194_5194	5194	5194	14.538	-2.329	-0.001	-0.002	-0.095	79.158	1
5194_5195	5194	5195	98.7	-20.875	-0.002	-0.003	-0.114	666.519	1
5195_5195	5195	5195	17.021	-2.546	-0.001	-0.002	-0.107	100.093	1
5195_5196	5195	5196	94.707	-14.977	-0.002	-0.003	-0.134	642.705	1
5196_5196	5196	5196	19.687	-2.758	-0.001	-0.001	-0.119	119.38	1
5196_5197	5196	5197	93.708	-17.604	-0.001	-0.002	-0.145	636.17	1
5197_5197	5197	5197	22.922	-2.945	-0.001	-0.001	-0.134	144.646	1
5197_5198	5197	5198	86.648	-11.442	-0.001	-0.002	-0.152	592.221	1
5198_5198	5198	5198	26.309	-3.361	-0.001	0	-0.147	168.243	1
5198_5199	5198	5199	81.949	-12.534	-0.001	-0.001	-0.167	559.325	1
5199_5199	5199	5199	30.436	-3.504	-0.001	0.001	-0.167	198.484	1
5199_5200	5199	5200	71.205	-8.158	-0.001	0.001	-0.182	504.24	1
5200_5200	5200	5200	32.635	-4.011	-0.001	0.004	-0.174	218.688	1
5200_5201	5200	5201	58.204	-8.848	0	0.005	-0.174	461.648	1
5201_5201	5201	5201	37.048	-11.493	0.001	-0.014	0.239	160.513	1
5201_5202	5201	5202	31.912	-2.776	0	0.002	-0.242	392.302	1
5202_5202	5202	5202	47.364	-14.678	0.001	0.013	0.279	285.965	1
5202_5203	5202	5203	15.399	-0.475	-0.001	0.023	-0.23	273.038	1
5203_5203	5203	5203	55.59	-20.798	0.002	-0.046	0.306	439.435	1
5203_5204	5203	5204	13.879	-1.905	0.001	-0.013	0.121	102.436	1
5204_5204	5204	5204	41.552	24.819	-0.002	0.011	0.037	346.945	1
5204_5205	5204	5205	66.733	-30	0.006	0.017	-0.338	295.743	1
5205_5205	5205	5205	23.797	19.257	-0.001	-0.016	-0.035	220.352	1
5205_5206	5205	5206	73.531	-26.148	0.007	-0.024	-0.211	357.553	1
5206_5206	5206	5206	11.068	16.148	0.001	0.004	-0.075	144.487	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5206_5207	5206	5207	77.553	-21.974	0.005	0.022	-0.152	401.113	1
5207_5207	5207	5207	5.227	-0.105	-0.005	-0.005	0.152	53.724	1
5207_5208	5207	5208	82.408	-21.965	0.003	0.001	-0.107	449.18	1
5208_5208	5208	5208	5.324	-0.137	-0.005	-0.005	0.109	51.04	1
5208_5209	5208	5209	84.721	-17.341	0.003	0.001	-0.069	478.75	1
5209_5209	5209	5209	5.429	-0.139	-0.005	-0.005	0.073	51.509	1
5209_5210	5209	5210	84.752	-12.335	0.002	0	-0.039	489.757	1
5210_5210	5210	5210	5.551	-0.201	-0.003	0	0.035	49.745	1
5210_5211	5210	5211	86.755	-15.728	0.001	0.046	-0.023	509.082	1
5211_5211	5211	5211	5.664	-0.201	-0.003	-0.009	0.019	50.496	1
5211_5212	5211	5212	87.68	-22.325	0	-0.046	0.015	519.564	1
5212_5212	5212	5212	5.783	-0.218	-0.003	0	0	48.869	1
5212_5213	5212	5213	87.24	-18.539	-0.002	0.044	0.011	512.774	1
5213_5213	5213	5213	5.906	-0.218	-0.003	-0.009	-0.015	49.684	1
5213_5214	5213	5214	85.456	-15.013	-0.001	-0.041	0.008	495.116	1
5214_5214	5214	5214	6.034	-0.252	-0.002	-0.007	-0.032	49.228	1
5214_5215	5214	5215	85.679	-16.892	-0.001	-0.03	0.003	486.164	1
5215_5215	5215	5215	6.228	-0.259	-0.002	-0.001	-0.047	49.484	1
5215_5216	5215	5216	83.603	-12.27	-0.003	0.033	-0.016	458.64	1
5216_5216	5216	5216	6.423	-0.259	-0.002	-0.007	-0.061	50.773	1
5216_5217	5216	5217	78.949	-8.09	-0.001	-0.025	-0.029	412.46	1
5217_5217	5217	5217	6.618	-0.292	-0.002	-0.024	-0.076	52.06	1
5217_5218	5217	5218	75.023	-8.006	-0.001	-0.097	-0.038	370.205	1
5218_5218	5218	5218	11.199	-14.565	-0.011	-0.051	-0.098	152.224	1
5218_5219	5218	5219	68.925	-4.232	-0.005	-0.065	-0.083	314.624	1
5219_5219	5219	5219	23.012	-19.25	-0.004	0.115	-0.154	219.996	1
5219_5220	5219	5220	60.536	-6.801	-0.019	0.095	-0.266	220.126	1
5220_5220	5220	5220	60.785	26.943	0.009	-0.067	-0.034	588.909	1
5220_5221	5220	5221	15.503	2.531	0.008	-0.021	-0.148	85.111	1
5221_5221	5221	5221	52.566	21.289	0.006	0.092	0.057	380.631	1
5221_5222	5221	5222	33.769	-28.328	0.007	0.024	0.019	418.429	1
5222_5222	5222	5222	43.488	15.751	0.006	0	0.113	231.169	1
5222_5223	5222	5223	56.349	-25.226	-0.005	-0.156	-0.048	525.715	1
5223_5223	5223	5223	40.353	4.58	0	0.051	-0.068	286.044	1
5223_5224	5223	5224	78.573	-19.103	0	0.072	-0.057	539.809	1
5224_5224	5224	5224	38.7	4.134	-0.003	-0.056	-0.067	246.237	1
5224_5225	5224	5225	88.85	-21.503	-0.005	-0.141	-0.092	588.087	1
5225_5225	5225	5225	34.339	4.13	-0.003	0.033	-0.094	234.832	1
5225_5226	5225	5226	90.577	-12.922	-0.003	0.073	-0.152	671.312	1
5226_5226	5226	5226	28.231	3.783	0	-0.046	-0.136	192.313	1
5226_5227	5226	5227	97.433	-14.9	-0.004	-0.194	-0.201	718.405	1
5227_5227	5227	5227	23.963	3.688	0	0.037	-0.134	161.927	1
5227_5228	5227	5228	98.03	-7.953	0	0.154	-0.217	723.707	1
5228_5228	5228	5228	19.893	3.402	-0.003	-0.029	-0.126	130.321	1
5228_5229	5228	5229	101.071	-22.146	-0.008	-0.21	-0.351	744.428	1
5229_5229	5229	5229	18.525	-2.789	-0.004	0.017	-0.241	109.094	1
5229_5230	5229	5230	96.494	-15.589	-0.004	0.13	-0.413	714.559	1
5230_5230	5230	5230	21.893	-3.273	-0.006	-0.046	-0.307	140.646	1
5230_5231	5230	5231	94.56	-16.999	-0.007	-0.158	-0.514	700.147	1
5231_5231	5231	5231	25.989	-3.687	-0.005	0.022	-0.388	179.568	1
5231_5232	5231	5232	85.893	-10.667	-0.004	0.089	-0.566	640.546	1
5232_5232	5232	5232	30.444	-4.337	0.003	-0.066	-0.446	216.371	1
5232_5233	5232	5233	81.687	-12.703	0.006	-0.123	-0.497	608.89	1
5233_5233	5233	5233	34.246	-4.402	0.005	-0.011	-0.654	245.798	1
5233_5234	5233	5234	74.453	-9.169	0.012	-0.012	-0.685	571.745	1
5234_5234	5234	5234	36.646	-4.432	0.006	0.051	-0.605	270.034	1
5234_5235	5234	5235	62.75	-5.532	0.015	0.094	-0.555	516.39	1
5235_5235	5235	5235	38.049	-4.727	-0.045	-0.082	-0.561	294.353	1
5235_5236	5235	5236	55.137	-6.533	-0.09	-0.102	-1.028	484.485	1
5236_5236	5236	5236	36.888	-14.465	0.047	-0.019	1.362	172.012	1
5236_5237	5236	5237	33.299	-3.254	-0.13	0.034	-2.7	464.545	1
5237_5237	5237	5237	44.83	-17.607	0.056	0.036	2.014	267.142	1
5237_5238	5237	5238	23.939	-0.787	-0.121	0.237	-3.426	396.656	1
5238_5238	5238	5238	50.807	-15.679	-0.092	-0.08	2.707	359.955	1
5238_5239	5238	5239	16.372	-6.485	0.151	-0.175	-1.752	340.974	1
5239_5239	5239	5239	56.266	-17.297	-0.112	0.027	1.992	483.828	1
5239_5240	5239	5240	14.032	-2.881	0.009	-0.031	0.63	133.242	1
5240_5240	5240	5240	23.219	17.774	0.015	-0.1	-0.302	330.204	1
5240_5241	5240	5241	79.293	-22.141	-0.103	-0.09	-0.338	426.891	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5241_5241	5241	5241	8.183	13.315	0	0.066	-0.21	219.553	1
5241_5242	5241	5242	80.631	-18.698	-0.107	0.209	-0.906	443.332	1
5242_5242	5242	5242	7.083	0.214	-0.014	0.042	-0.933	53.732	1
5242_5243	5242	5243	79.621	-14.937	-0.107	0.244	-1.554	449.161	1
5243_5243	5243	5243	6.96	0.082	0.002	-0.007	-1.023	52.806	1
5243_5244	5243	5244	85.819	-22.665	0.066	-0.167	-0.778	518.492	1
5244_5244	5244	5244	6.892	0.082	0.002	0.024	-1.003	52.27	1
5244_5245	5244	5245	89.171	-17.467	0.05	0.115	-0.184	561.443	1
5245_5245	5245	5245	6.822	0.055	0.005	-0.005	-0.985	51.722	1
5245_5246	5245	5246	92.717	-14.908	0.017	-0.195	0.056	600.655	1
5246_5246	5246	5246	6.775	0.055	0.005	0.026	-0.935	51.354	1
5246_5247	5246	5247	93.654	-20.626	-0.001	0.113	0.236	606.736	1
5247_5247	5247	5247	6.728	0.01	0.012	-0.003	-0.891	50.997	1
5247_5248	5247	5248	94.706	-19.552	0.017	-0.199	0.444	604.617	1
5248_5248	5248	5248	6.72	0.01	0.012	0.025	-0.779	50.933	1
5248_5249	5248	5249	92.245	-13.856	0.006	0.093	0.557	568.043	1
5249_5249	5249	5249	6.709	-0.023	0.017	0	-0.656	50.851	1
5249_5250	5249	5250	89.694	-11.68	0.014	-0.132	0.727	525.826	1
5250_5250	5250	5250	6.729	-0.035	0.017	0.025	-0.493	53.32	1
5250_5251	5250	5251	84.825	-7.284	0	0.08	0.723	464.571	1
5251_5251	5251	5251	6.768	-0.456	-0.011	-0.043	-0.329	56.749	1
5251_5252	5251	5252	86.438	-16.367	-0.112	-0.167	0.012	462.022	1
5252_5252	5252	5252	7.003	-0.465	-0.011	-0.027	-0.394	59.152	1
5252_5253	5252	5253	86.413	-12.888	-0.116	-0.051	-0.721	447.13	1
5253_5253	5253	5253	12.457	-14.199	0.018	0.069	-0.254	235.478	1
5253_5254	5253	5254	84.065	-8.021	-0.112	0.133	-1.699	400.431	1
5254_5254	5254	5254	59.491	15.91	-0.024	0.879	-0.714	652.407	1
5254_5255	5254	5255	21.193	2.518	-0.011	0.109	-1.039	141.814	1
5255_5255	5255	5255	59.338	19.524	-0.036	-0.145	-0.677	617.966	1
5255_5256	5255	5256	20.913	-26.956	0.153	-0.102	0.338	396.786	1
5256_5256	5256	5256	55.462	15.424	-0.026	0.191	-1.153	442.552	1
5256_5257	5256	5257	29.639	-22.394	0.15	0.154	1.811	439.492	1
5257_5257	5257	5257	51.772	19.904	0.056	-0.097	-1.295	338.221	1
5257_5258	5257	5258	39.292	-31.016	-0.06	-0.252	1.482	502.685	1
5258_5258	5258	5258	46.157	16.454	0.048	0.024	-0.819	251.828	1
5258_5259	5258	5259	51.182	-27.8	-0.055	-0.101	1.092	566.225	1
5259_5259	5259	5259	42.836	4.91	-0.023	0.057	0.422	327.659	1
5259_5260	5259	5260	73.508	-24.38	-0.033	0.072	0.44	556.268	1
5260_5260	5260	5260	42.137	4.61	-0.015	-0.087	0.249	298.053	1
5260_5261	5260	5261	82.895	-25.16	-0.027	-0.175	0.299	598.03	1
5261_5261	5261	5261	40.799	4.734	-0.013	-0.006	0.161	279.136	1
5261_5262	5261	5262	90.062	-21.922	-0.024	-0.01	0.135	635.221	1
5262_5262	5262	5262	39.7	4.806	-0.01	0.017	0.055	243.223	1
5262_5263	5262	5263	99.919	-15.524	-0.018	0.038	-0.146	637.326	1
5263_5263	5263	5263	33.821	4.391	-0.003	-0.036	-0.059	208.079	1
5263_5264	5263	5264	107.318	-16.183	-0.007	-0.112	-0.24	684.074	1
5264_5264	5264	5264	28.785	4.298	-0.002	0.011	-0.087	177.253	1
5264_5265	5264	5265	109.186	-9.824	-0.006	0.058	-0.338	698.605	1
5265_5265	5265	5265	23.782	4.005	-0.004	-0.031	-0.109	146.797	1
5265_5266	5265	5266	112.63	-11.122	-0.011	-0.152	-0.501	721.524	1
5266_5266	5266	5266	19.253	3.641	-0.003	0.012	-0.137	113.546	1
5266_5267	5266	5267	109.021	-4.857	-0.008	0.099	-0.632	704.181	1
5267_5267	5267	5267	15.694	-4.347	-0.007	-0.053	-0.451	132.512	1
5267_5268	5267	5268	107.482	-18.982	-0.01	-0.176	-0.813	701.226	1
5268_5268	5268	5268	20.879	-4.511	-0.004	0.019	-0.54	165.774	1
5268_5269	5268	5269	100.449	-13.213	-0.004	0.102	-0.852	660.874	1
5269_5269	5269	5269	26.152	-4.993	-0.009	-0.073	-0.589	197.337	1
5269_5270	5269	5270	97.275	-15.227	-0.01	-0.152	-0.923	641.089	1
5270_5270	5270	5270	30.624	-4.994	-0.007	-0.014	-0.665	222.594	1
5270_5271	5270	5271	90.692	-10.951	-0.006	0.005	-0.944	600.829	1
5271_5271	5271	5271	32.318	-5.072	-0.007	0.059	-0.972	271.795	1
5271_5272	5271	5272	76.924	-8.112	-0.004	0.158	-1.248	613.724	1
5272_5272	5272	5272	34.874	-5.527	-0.03	-0.112	-1.02	293.037	1
5272_5273	5272	5273	68.116	-8.719	-0.063	-0.138	-1.63	576.391	1
5273_5273	5273	5273	36.768	-5.542	-0.028	-0.02	-1.232	319.834	1
5273_5274	5273	5274	57.684	-5.934	-0.059	0.004	-1.945	533.235	1
5274_5274	5274	5274	38.907	-15.332	0.045	-0.032	2.851	184.154	1
5274_5275	5274	5275	31.557	-2.134	-0.079	0.264	-3.717	484.629	1
5275_5275	5275	5275	50.18	-15.149	-0.087	-0.202	3.853	316.338	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5275_5276	5275	5276	23.259	-8.471	0.274	-0.112	-0.681	441.592	1
5276_5276	5276	5276	56.122	-17.485	-0.121	0.038	3.055	429.423	1
5276_5277	5276	5277	14.967	-3.412	-0.012	0.004	0.804	134.701	1
5277_5277	5277	5277	60.149	-16.796	-0.136	0.157	1.632	554.798	1
5277_5278	5277	5278	15.062	-3.238	-0.024	-0.016	0.621	155.235	1
5278_5278	5278	5278	18.228	15.632	0.067	0.044	-1.029	304.277	1
5278_5279	5278	5279	86.021	-18.058	-0.091	-0.194	-0.352	473.167	1
5279_5279	5279	5279	7.964	13.555	0.057	0.122	-0.431	219.265	1
5279_5280	5279	5280	84.555	-14.403	-0.099	0.035	-0.936	463.326	1
5280_5280	5280	5280	4.401	0.591	0.016	0.008	-0.7	-11.767	1
5280_5281	5280	5281	87.666	-18.51	0.052	-0.133	-0.31	507.261	1
5281_5281	5281	5281	3.812	0.575	0.014	0.001	-0.49	-14.887	1
5281_5282	5281	5282	84.809	-11.354	0.042	0.064	0.243	504.093	1
5282_5282	5282	5282	4.446	0.545	0.056	0.021	-1.015	-27.696	1
5282_5283	5282	5283	74.442	-12.006	0.004	-0.238	0.83	574.981	1
5283_5283	5283	5283	3.986	0.54	0.049	-0.007	-0.309	-31.894	1
5283_5284	5283	5284	72.636	-16.256	-0.068	0.164	-0.425	534.005	1
5284_5284	5284	5284	3.548	0.619	-0.04	0.024	0.26	-36.475	1
5284_5285	5284	5285	76.596	-19.282	-0.027	-0.188	-1.047	546.965	1
5285_5285	5285	5285	3.072	0.598	-0.044	-0.003	-0.186	-39.296	1
5285_5286	5285	5286	76.833	-13.224	-0.037	0.119	-1.519	515.29	1
5286_5286	5286	5286	2.655	0.611	0.02	0.033	-0.633	-43.659	1
5286_5287	5286	5287	81.258	-15.67	0.125	-0.302	0.032	516.401	1
5287_5287	5287	5287	2.185	0.59	0.012	-0.012	-0.408	-46.382	1
5287_5288	5287	5288	81.443	-15.112	0.03	0.085	0.161	446.088	1
5288_5288	5288	5288	1.84	-0.296	0.02	-0.008	-0.272	50.009	1
5288_5289	5288	5289	83.72	-24.379	-0.285	-0.435	-1.196	455.138	1
5289_5289	5289	5289	3.794	-13.848	0.096	0.108	-1.03	273.921	1
5289_5290	5289	5290	87.651	-19.817	-0.265	-0.261	-4.088	468.164	1
5290_5290	5290	5290	29.007	20.154	0.102	-0.079	0.86	549.469	1
5290_5291	5290	5291	18.224	-24.486	-0.782	0.538	-8.849	447.301	1
5291_5291	5291	5291	30.547	7.291	0.395	-0.357	-4.412	617.54	1
5291_5292	5291	5292	29.836	-26.332	0.614	-0.293	-1.318	563.809	1
5292_5292	5292	5292	32.242	7.264	0.398	0.295	-0.171	547.965	1
5292_5293	5292	5293	39.799	-21.205	0.578	0.356	4.711	637.563	1
5293_5293	5293	5293	32.244	5.051	-0.087	-0.337	3.736	488.522	1
5293_5294	5293	5294	48.959	-27.27	-0.111	-0.511	3.967	726.85	1
5294_5294	5294	5294	37.44	5.043	-0.058	-0.032	2.08	423.557	1
5294_5295	5294	5295	66.282	-23.192	-0.071	-0.056	2.149	743.715	1
5295_5295	5295	5295	35.765	5.111	-0.057	0.126	1.635	395.352	1
5295_5296	5295	5296	72.589	-32.446	-0.053	0.192	1.665	812.845	1
5296_5296	5296	5296	33.108	4.088	-0.026	-0.134	1.17	365.716	1
5296_5297	5296	5297	76.872	-38.092	-0.052	-0.315	1.431	858.861	1
5297_5297	5297	5297	27.369	4.121	-0.04	-0.11	1.624	380.148	1
5297_5298	5297	5298	72.447	-33.307	-0.074	-0.276	1.421	1014.886	1
5298_5298	5298	5298	25.259	4.109	-0.039	0.134	1.258	351.807	1
5298_5299	5298	5299	76.494	-28.369	-0.066	0.359	0.767	1069.484	1
5299_5299	5299	5299	23.19	3.483	-0.008	-0.201	0.913	322.957	1
5299_5300	5299	5300	83.594	-31.071	-0.002	-0.731	0.75	1164.789	1
5300_5300	5300	5300	20.94	3.483	-0.007	0.131	0.819	293.02	1
5300_5301	5300	5301	86.401	-24.547	0.002	0.481	0.752	1202.919	1
5301_5301	5301	5301	18.557	2.965	-0.015	-0.149	0.741	259.447	1
5301_5302	5301	5302	91.095	-27.643	-0.02	-0.737	0.469	1266.041	1
5302_5302	5302	5302	16.503	2.965	-0.013	0.111	0.56	232.118	1
5302_5303	5302	5303	91.038	-7.647	-0.016	0.649	0.302	1264.678	1
5303_5303	5303	5303	14.618	2.646	-0.013	-0.125	0.41	205.419	1
5303_5304	5303	5304	93.976	-10.964	-0.007	-0.816	0.2	1304.432	1
5304_5304	5304	5304	12.716	2.611	-0.012	0.103	0.248	178.606	1
5304_5305	5304	5305	92.112	-5.041	0	0.789	0.206	1279.988	1
5305_5305	5305	5305	11.124	2.413	-0.018	-0.079	0.121	156.774	1
5305_5306	5305	5306	92.577	-8.984	-0.023	-0.668	-0.04	1286.169	1
5306_5306	5306	5306	9.539	2.336	-0.017	0.049	-0.083	132.448	1
5306_5307	5306	5307	88.049	-2.48	-0.017	0.512	-0.208	1225.305	1
5307_5307	5307	5307	8.017	2.144	-0.012	-0.063	-0.26	108.749	1
5307_5308	5307	5308	85.295	-5.993	-0.01	-0.745	-0.265	1187.133	1
5308_5308	5308	5308	6.647	2.03	-0.013	0.04	-0.375	86.89	1
5308_5309	5308	5309	76.7	1.085	-0.003	0.569	-0.24	1069.809	1
5309_5309	5309	5309	5.357	1.74	0.001	-0.029	-0.458	63.612	1
5309_5310	5309	5310	67.613	-0.213	0.014	-0.549	0.012	944.08	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5310_5310	5310	5310	4.244	1.575	0.02	0.022	-0.156	45.365	1
5310_5311	5310	5311	50.685	12.333	0.021	0.41	0.319	715.813	1
5311_5311	5311	5311	3.24	1.375	-0.019	-0.04	0.473	29.699	1
5311_5312	5311	5312	27.804	17.112	-0.018	-0.245	0.155	402.12	1
5312_5312	5312	5312	2.93	-2.988	-0.268	-0.072	2.907	-5.343	1
5312_5313	5312	5313	2.11	-2.084	-0.153	-0.044	0	8.121	1
5400_5020	5400	5020	65.262	-6.624	0.079	0.004	-3.107	-49.034	1
5400_5401	5400	5401	9.364	0.609	0.052	0.001	0.848	48.348	1
5401_5401	5401	5401	65.247	-5.01	0.286	-0.029	-2.726	-21.948	1
5401_5402	5401	5402	9.348	0.656	-0.041	-0.052	0.674	46.509	1
5402_5402	5402	5402	65.349	-3.517	0.163	0.003	-1.728	-6.479	1
5402_5403	5402	5403	9.33	0.88	-0.059	0.02	0.051	36.897	1
5403_5403	5403	5403	59.115	-1.368	0.018	-0.019	0.046	33.129	1
5403_5404	5403	5404	9.505	1.235	0.002	-0.008	0.085	29.442	1
5404_5404	5404	5404	59.13	-0.018	-0.028	0.011	0.189	42.985	1
5404_5405	5404	5405	9.475	1.452	-0.006	0.014	0.05	18.962	1
5405_5405	5405	5405	54.82	1.694	0	-0.004	-0.024	43.115	1
5405_5406	5405	5406	9.784	1.847	-0.005	0.003	-0.009	-7.335	1
5406_5406	5406	5406	51.702	3.755	0.019	0.005	-0.048	15.876	1
5406_5407	5406	5407	10.219	2.246	0.023	0.019	0.197	-27.339	1
5407_5407	5407	5407	51.612	4.84	-0.059	-0.022	0.107	-17.387	1
5407_5408	5407	5408	10.17	2.46	0.006	-0.024	0.213	-41.002	1
5408_5408	5408	5408	52.474	-4.648	-0.181	-0.04	-0.042	-72.943	1
5408_5409	5408	5409	11.097	0.181	-0.09	-0.005	-0.068	-41.49	1
5409_5409	5409	5409	52.554	5.027	-0.045	0.041	-0.589	-58.831	1
5409_5410	5409	5410	11.161	0.099	-0.049	0.006	-0.216	-41.76	1
5410_5410	5410	5410	55.558	-6.197	0.017	-0.028	-0.559	-74.06	1
5410_5411	5410	5411	11.641	-2.277	0.007	-0.018	-0.093	-28.837	1
5411_5411	5411	5411	55.676	-5.029	0.077	0.023	-0.481	-39.647	1
5411_5412	5411	5412	11.686	-2.032	0.02	0.014	0.073	-10.841	1
5412_5412	5412	5412	59.747	-3.227	-0.009	0.005	0.226	4.891	1
5412_5413	5412	5413	12.546	-1.626	-0.006	0.002	0.014	12.678	1
5413_5413	5413	5413	64.976	-1.504	-0.036	0.03	0.101	51.408	1
5413_5414	5413	5414	13.445	-1.213	-0.004	0.011	-0.003	21.301	1
5414_5414	5414	5414	64.993	-0.02	0.018	-0.019	-0.143	62.256	1
5414_5415	5414	5415	13.469	-0.905	0.008	-0.006	0.059	27.819	1
5415_5415	5415	5415	72.001	1.97	-0.109	-0.035	0.013	62.4	1
5415_5416	5415	5416	14.343	-0.534	-0.053	-0.028	-0.506	33.651	1
5416_5416	5416	5416	71.931	3.723	-0.347	0.131	-1.211	40.885	1
5416_5417	5416	5417	14.351	-0.184	-0.101	0.098	-0.891	34.295	1
5417_5417	5417	5417	72.02	4.805	-0.144	-0.006	-2.422	27.884	1
5417_5036	5417	5036	14.389	-0.233	-0.245	-0.004	-1.877	35.242	1
5420_5056	5420	5056	70.044	-5.835	0.015	0.008	-2.084	-25.627	1
5420_5421	5420	5421	15.806	-0.104	0.115	0.007	-1.337	23.574	1
5421_5421	5421	5421	69.947	-4.398	0.176	-0.034	-1.957	-1.747	1
5421_5422	5421	5422	15.753	-0.159	0.105	-0.03	-0.922	24.131	1
5422_5422	5422	5422	70.032	-2.719	0.136	0.006	-1.34	13.587	1
5422_5423	5422	5423	15.752	0.218	0.096	0.006	0.125	21.746	1
5423_5423	5423	5423	62.317	-0.403	0.018	-0.022	0.128	51.359	1
5423_5424	5423	5424	14.399	0.574	-0.002	-0.008	0.102	17.807	1
5424_5424	5424	5424	62.309	1.075	-0.032	0.015	0.276	54.265	1
5424_5425	5424	5425	14.382	0.915	-0.014	0.003	0.004	11.21	1
5425_5425	5425	5425	56.722	2.6	-0.01	-0.003	0.056	46.518	1
5425_5426	5425	5426	12.955	1.288	-0.005	-0.002	-0.063	-7.356	1
5426_5426	5426	5426	52.335	4.259	0.058	0.022	-0.109	9.027	1
5426_5427	5426	5427	11.582	1.663	0.045	0.017	0.333	-22.08	1
5427_5427	5427	5427	52.237	5.328	-0.061	-0.049	0.38	-28.68	1
5427_5428	5427	5428	11.545	1.9	0.018	-0.038	0.412	-32.64	1
5428_5428	5428	5428	48.871	-5.091	0.174	0.047	0.094	-58.295	1
5428_5429	5428	5429	10.47	-0.36	0.054	0.063	0.635	-31.696	1
5429_5429	5429	5429	48.793	4.824	0.028	-0.052	0.621	-42.997	1
5429_5430	5429	5430	10.417	0.148	0.046	-0.067	0.776	-32.183	1
5430_5430	5430	5430	51.112	-4.762	0.072	0.002	-0.778	-46.475	1
5430_5431	5430	5431	9.894	-1.751	0.01	0.005	-0.035	-20.643	1
5431_5431	5431	5431	51.203	-3.658	0.06	0.005	-0.376	-20.05	1
5431_5432	5431	5432	9.93	-1.537	0.008	0.001	0.037	-7.025	1
5432_5432	5432	5432	55.386	-2.034	-0.011	0.004	0.167	12.361	1
5432_5433	5432	5433	10.577	-1.194	-0.003	0.002	0.002	10.234	1
5433_5433	5433	5433	60.757	-0.41	0.013	-0.002	0.028	41.383	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5433_5434	5433	5434	11.273	-0.845	0.005	0	0.046	16.227	1
5434_5434	5434	5434	60.751	0.976	-0.007	0.01	0.119	44.337	1
5434_5435	5434	5435	11.289	-0.587	0.001	0.004	0.054	20.456	1
5435_5435	5435	5435	68.244	2.924	-0.108	-0.001	0.113	37.315	1
5435_5436	5435	5436	11.948	-0.265	-0.055	0.006	-0.539	23.008	1
5436_5436	5436	5436	68.156	4.526	-0.019	0.017	-1.061	5.357	1
5436_5437	5436	5437	11.951	0.016	-0.04	-0.011	-0.668	22.952	1
5437_5437	5437	5437	68.246	5.962	-0.256	-0.007	-1.13	-10.415	1
5437_5072	5437	5072	11.99	-0.001	-0.153	-0.003	-1.339	22.956	1
5440_5094	5440	5094	67.044	-5.774	0.008	0.006	-1.254	-31.641	1
5440_5441	5440	5441	12.892	0.023	0.068	0.005	-0.846	24.638	1
5441_5441	5441	5441	66.947	-4.376	0.138	-0.022	-1.173	-8.037	1
5441_5442	5441	5442	12.843	-0.014	0.072	-0.033	-0.55	24.685	1
5442_5442	5442	5442	67.033	-2.768	0.065	0.002	-0.69	7.234	1
5442_5443	5442	5443	12.84	0.294	0.057	0.007	0.085	21.47	1
5443_5443	5443	5443	59.575	-0.844	0.037	-0.028	-0.011	38.522	1
5443_5444	5443	5444	12.056	0.631	0.002	-0.012	0.087	17.318	1
5444_5444	5444	5444	59.579	0.516	-0.036	0.02	0.27	44.596	1
5444_5445	5444	5445	12.039	0.906	-0.013	0.007	-0.001	10.78	1
5445_5445	5445	5445	54.343	2.025	-0.003	-0.004	0.037	40.874	1
5445_5446	5445	5446	11.229	1.258	-0.001	-0.002	-0.001	-7.344	1
5446_5446	5446	5446	50.248	3.933	0.014	0.002	0.003	9.058	1
5446_5447	5446	5447	10.495	1.626	0.006	0.002	0.05	-21.85	1
5447_5447	5447	5447	50.163	4.642	-0.013	-0.013	0.138	-20.284	1
5447_5448	5447	5448	10.46	1.841	0	-0.011	0.044	-32.086	1
5448_5448	5448	5448	47.052	-5.069	-0.064	0.048	0.014	-53.385	1
5448_5449	5448	5449	10.037	-0.287	-0.011	0.024	0.008	-31.476	1
5449_5449	5449	5449	46.96	4.699	0.267	-0.051	-0.18	-38.137	1
5449_5450	5449	5450	9.989	0.089	0.082	-0.028	0.256	-31.783	1
5450_5450	5450	5450	48.949	-4.6	0.025	-0.002	-0.361	-46.035	1
5450_5451	5450	5451	9.256	-1.973	-0.021	-0.005	0.15	-20.953	1
5451_5451	5451	5451	49.036	-3.556	0.038	0.008	-0.222	-20.501	1
5451_5452	5451	5452	9.296	-1.775	-0.018	-0.003	-0.012	-5.229	1
5452_5452	5452	5452	53.124	-2.017	-0.008	0.004	0.117	10.997	1
5452_5453	5452	5453	8.93	-1.423	0.003	-0.004	0.032	15.323	1
5453_5453	5453	5453	58.354	-0.561	0.014	0.001	-0.004	40.067	1
5453_5454	5453	5454	9.693	-0.687	0.004	0	0.026	12.958	1
5454_5454	5454	5454	58.351	0.795	0.002	0.007	0.093	44.112	1
5454_5455	5454	5455	9.707	-0.462	0.002	0.002	0.037	16.288	1
5455_5455	5455	5455	65.799	2.619	-0.057	-0.001	0.118	37.333	1
5455_5456	5455	5456	10.55	-0.227	-0.016	-0.004	-0.14	18.762	1
5456_5456	5456	5456	65.716	4.213	-0.119	0.019	-0.508	8.743	1
5456_5457	5456	5457	10.553	0.029	-0.026	0.017	-0.236	18.661	1
5457_5457	5457	5457	65.822	5.619	0.006	-0.004	-0.941	-5.954	1
5457_5110	5457	5110	10.595	-0.015	-0.053	-0.002	-0.453	18.722	1
5460_5132	5460	5132	75.499	-7.13	-0.401	-0.006	1.566	-42.898	1
5460_5461	5460	5461	14.855	-0.205	-0.145	-0.001	-0.364	27.636	1
5461_5461	5461	5461	75.376	-5.628	-0.07	-0.001	-0.019	-13.644	1
5461_5462	5461	5462	14.808	-0.219	0.007	0.013	-0.298	28.399	1
5462_5462	5462	5462	75.49	-3.818	-0.002	0	-0.266	5.988	1
5462_5463	5462	5463	14.809	0.137	0.02	-0.006	-0.085	26.907	1
5463_5463	5463	5463	69.351	-1.595	-0.055	0.072	-0.393	48.853	1
5463_5464	5463	5464	14.369	0.521	-0.009	0.028	-0.208	23.221	1
5464_5464	5464	5464	69.371	-0.04	0.141	-0.08	-0.846	59.585	1
5464_5465	5464	5465	14.353	0.855	0.032	-0.033	0.002	17.055	1
5465_5465	5465	5465	65.349	1.852	-0.009	-0.003	0.152	60.235	1
5465_5466	5465	5466	13.9	1.313	0	-0.001	-0.003	-1.738	1
5466_5466	5466	5466	62.512	3.772	-0.02	-0.003	0.038	33.553	1
5466_5467	5466	5467	13.48	1.778	0.009	-0.012	0.072	-17.483	1
5467_5467	5467	5467	62.421	5.056	0.099	-0.001	-0.139	0.152	1
5467_5468	5467	5468	13.441	2.055	0.035	0.018	0.283	-28.904	1
5468_5468	5468	5468	60.496	-7.791	0.021	0.015	0.399	-27.949	1
5468_5469	5468	5469	13.307	-0.729	0	0.026	0.274	-26.897	1
5469_5469	5469	5469	56.637	7.562	-0.026	0.007	-0.097	3.116	1
5469_5470	5469	5470	13.651	1.244	0.001	-0.007	0.02	-15.791	1
5470_5470	5470	5470	58.745	-4.314	0.04	-0.002	-0.191	-15.731	1
5470_5471	5470	5471	14.033	-1.652	0.005	0.004	0.034	-6.56	1
5471_5471	5471	5471	58.823	-3.079	-0.004	0.003	0.031	8.245	1
5471_5472	5471	5472	14.064	-1.357	-0.006	-0.001	-0.013	5.466	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5472_5472	5472	5472	61.774	-1.37	0.007	0.001	-0.015	35.535	1
5472_5473	5472	5473	14.657	-0.901	0.003	0	0.025	18.443	1
5473_5473	5473	5473	66.006	0.255	-0.006	-0.001	0.063	55.27	1
5473_5474	5473	5474	15.323	-0.453	0	0	0.015	21.707	1
5474_5474	5474	5474	65.982	1.789	-0.01	0.003	0.021	53.434	1
5474_5475	5474	5475	15.329	-0.096	-0.001	0.001	0.006	22.401	1
5475_5475	5475	5475	72.447	3.709	-0.001	0	-0.054	40.544	1
5475_5476	5475	5476	15.956	0.303	-0.013	0.001	-0.135	19.092	1
5476_5476	5476	5476	72.337	5.446	0.028	0.002	-0.067	0.035	1
5476_5477	5476	5477	15.945	0.686	-0.007	-0.003	-0.158	16.699	1
5477_5477	5477	5477	72.436	6.797	-0.02	0.001	0.007	-18.959	1
5477_5148	5477	5148	15.993	0.651	0.007	0	-0.153	14.031	1
5480_5168	5480	5168	76.304	-7.262	0.175	0.003	-0.52	-50.333	1
5480_5481	5480	5481	17.41	-0.696	0.031	0	-0.136	21.349	1
5481_5481	5481	5481	76.219	-5.882	-0.142	-0.007	0.177	-20.607	1
5481_5482	5481	5482	17.368	-0.706	-0.022	0.04	-0.183	23.814	1
5482_5482	5482	5482	76.339	-4.032	0.042	0.001	-0.319	-0.091	1
5482_5483	5482	5483	17.38	-0.285	0.021	-0.014	0.029	26.926	1
5483_5483	5483	5483	69.901	-1.861	-0.055	0.038	0.15	45.106	1
5483_5484	5483	5484	16.907	0.179	-0.014	0.017	-0.062	25.636	1
5484_5484	5484	5484	69.925	-0.236	0.047	-0.042	-0.274	58.516	1
5484_5485	5484	5485	16.898	0.572	0.011	-0.019	0.005	21.513	1
5485_5485	5485	5485	65.657	1.586	-0.008	-0.002	0.083	60.214	1
5485_5486	5485	5486	16.37	1.12	-0.002	-0.001	-0.019	5.554	1
5486_5486	5486	5486	62.643	3.518	-0.009	-0.001	-0.047	37.352	1
5486_5487	5486	5487	15.88	1.683	0.004	-0.003	0.019	-9.35	1
5487_5487	5487	5487	62.557	4.806	0.038	-0.003	-0.131	6.198	1
5487_5488	5487	5488	15.842	2.009	0.017	0.004	0.113	-20.517	1
5488_5488	5488	5488	60.391	-8.045	-0.013	-0.015	0.061	-20.509	1
5488_5489	5488	5489	15.574	-1.267	-0.003	0.008	0.094	-16.842	1
5489_5489	5489	5489	62.038	8.409	-0.039	-0.024	0.125	7.173	1
5489_5490	5489	5490	12.4	0.94	0.012	-0.044	0.261	-21.294	1
5490_5490	5490	5490	64.334	-4.753	0.034	-0.001	-0.014	-17.146	1
5490_5491	5490	5491	12.654	-1.667	-0.012	0.009	0.158	-11.783	1
5491_5491	5491	5491	64.418	-3.429	-0.015	0.002	0.17	9.269	1
5491_5492	5491	5492	12.686	-1.406	-0.022	-0.003	-0.033	0.671	1
5492_5492	5492	5492	67.563	-1.461	-0.007	0.001	0.018	39.629	1
5492_5493	5492	5493	13.166	-0.972	0.001	0.001	-0.025	14.783	1
5493_5493	5493	5493	72.005	0.419	0.051	-0.039	-0.085	60.7	1
5493_5494	5493	5494	13.717	-0.57	0.017	-0.011	0.092	18.896	1
5494_5494	5494	5494	71.976	2.092	-0.053	0.039	0.256	57.68	1
5494_5495	5494	5495	13.726	-0.251	-0.004	0.014	0.057	20.707	1
5495_5495	5495	5495	78.603	4.322	0.009	0.003	-0.137	42.605	1
5495_5496	5495	5496	14.255	0.112	-0.046	-0.012	-0.448	19.489	1
5496_5496	5496	5496	78.476	6.206	-0.18	-0.007	-0.031	-4.592	1
5496_5497	5496	5497	14.249	0.453	-0.081	0.047	-0.744	17.907	1
5497_5497	5497	5497	78.545	7.651	0.131	-0.001	-0.733	-26.238	1
5497_5184	5497	5184	14.282	0.434	0.074	-0.002	-0.469	16.131	1
5500_5204	5500	5204	77.501	-6.608	0.256	0.018	-3.023	-29.538	1
5500_5501	5500	5501	13.094	-0.003	0.115	0.006	-0.836	25.004	1
5501_5501	5501	5501	77.454	-5.131	0.177	-0.038	-1.961	-2.485	1
5501_5502	5501	5502	13.065	-0.022	0.067	-0.023	-0.602	25.08	1
5502_5502	5502	5502	77.555	-3.357	0.145	0	-1.337	13.108	1
5502_5503	5502	5503	13.062	0.292	0.062	0.002	0.079	21.896	1
5503_5503	5503	5503	69.663	-0.931	-0.062	0.028	0.222	51.143	1
5503_5504	5503	5504	12.202	0.622	-0.013	0.008	-0.024	17.592	1
5504_5504	5504	5504	69.666	0.688	0.04	-0.051	-0.251	57.852	1
5504_5505	5504	5505	12.184	0.906	0.005	-0.017	0.003	11.059	1
5505_5505	5505	5505	63.538	2.659	0.009	-0.011	0.02	52.887	1
5505_5506	5505	5506	11.309	1.263	0.006	-0.004	0.083	-7.085	1
5506_5506	5506	5506	58.523	4.615	-0.116	-0.024	0.114	14.552	1
5506_5507	5506	5507	10.46	1.617	-0.043	-0.012	-0.308	-21.415	1
5507_5507	5507	5507	58.416	5.818	-0.071	0.014	-0.902	-26.314	1
5507_5508	5507	5508	10.425	1.832	-0.035	0.01	-0.493	-31.595	1
5508_5508	5508	5508	54.293	-5.577	0.187	-0.145	-1.426	-63.606	1
5508_5509	5508	5509	11.122	-0.372	-0.025	0.431	2.578	-29.095	1
5509_5509	5509	5509	54.25	5.412	0.121	0.141	-0.861	-46.816	1
5509_5510	5509	5510	11.154	0.505	0.169	-0.408	3.084	-30.596	1
5510_5510	5510	5510	56.799	-4.905	-0.031	0.036	1.155	-39.476	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5510_5511	5510	5511	11.926	-1.886	-0.206	0.053	1.758	-20.006	1
5511_5511	5511	5511	56.888	-3.736	-0.14	-0.007	0.993	-12.215	1
5511_5512	5511	5512	11.962	-1.64	-0.23	-0.02	-0.258	-5.48	1
5512_5512	5512	5512	62.144	-1.85	0.015	0.007	-0.26	20.867	1
5512_5513	5512	5513	12.998	-1.223	0.02	0.005	0.013	12.27	1
5513_5513	5513	5513	68.517	0.066	0.043	-0.026	-0.082	47.55	1
5513_5514	5513	5514	14.092	-0.817	0.025	-0.007	0.161	18.131	1
5514_5514	5514	5514	68.498	1.629	-0.055	0.037	0.208	47.072	1
5514_5515	5514	5515	14.107	-0.495	0.004	0.016	0.18	21.693	1
5515_5515	5515	5515	76.614	3.992	-0.082	0.003	-0.243	35.352	1
5515_5516	5515	5516	15.207	-0.103	-0.201	-0.017	-2.04	22.709	1
5516_5516	5516	5516	76.495	5.829	-0.198	0.018	-1.137	-8.25	1
5516_5517	5516	5517	15.205	0.262	-0.224	0.067	-2.832	21.793	1
5517_5517	5517	5517	76.533	7.354	-0.08	-0.024	-1.867	-28.574	1
5517_5220	5517	5220	15.229	0.267	0.235	-0.009	-2.073	20.69	1
5520_5240	5520	5240	78.704	-13.842	-3.281	-0.166	9.18	-87.858	1
5520_5521	5520	5521	15.186	-1.69	0.644	0.007	-1.153	29.716	1
5521_5521	5521	5521	78.708	-5.585	1.045	-0.219	-13.494	-11.426	1
5521_5522	5521	5522	15.377	-0.077	0.123	-0.127	-0.78	29.924	1
5522_5522	5522	5522	78.826	-3.643	0.705	0.059	-9.833	8.107	1
5522_5523	5522	5523	15.374	0.302	0.055	0.023	-0.141	26.633	1
5523_5523	5523	5523	72.794	-1.329	0.256	-0.123	-2.452	47.776	1
5523_5524	5523	5524	14.546	0.72	0.031	-0.046	0.031	21.459	1
5524_5524	5524	5524	72.805	0.359	0.018	0.079	-0.543	57.352	1
5524_5525	5524	5525	14.525	1.057	-0.018	0.023	-0.071	13.839	1
5525_5525	5525	5525	67.232	2.466	0.08	-0.013	-0.706	54.697	1
5525_5526	5525	5526	13.72	1.515	0.033	-0.006	0.359	-7.927	1
5526_5526	5526	5526	62.287	4.613	-0.701	-0.032	0.2	19.105	1
5526_5527	5526	5527	12.996	1.983	-0.115	0.008	-0.712	-25.599	1
5527_5527	5527	5527	62.175	5.925	-0.775	0.07	-6.023	-21.759	1
5527_5528	5527	5528	12.951	2.256	-0.131	-0.006	-1.45	-38.132	1
5528_5528	5528	5528	60.76	-7.106	-0.612	1.247	12.589	-40.444	1
5528_5529	5528	5529	12.498	-0.428	0.074	-0.157	-1.323	-36.872	1
5529_5529	5529	5529	60.929	7.6	0.294	-1.173	10.723	-18.399	1
5529_5530	5529	5530	12.443	0.214	0.036	0.186	-1.22	-37.584	1
5530_5530	5530	5530	66.529	-5.235	-0.686	0.13	11.325	-34.53	1
5530_5531	5530	5531	13.573	-2.284	-0.503	0.108	4.662	-23.523	1
5531_5531	5531	5531	66.622	-3.854	-0.827	-0.037	7.52	-5.438	1
5531_5532	5531	5532	13.616	-2.002	-0.533	-0.037	-0.038	-5.792	1
5532_5532	5532	5532	71.931	-1.384	0.07	0.01	-0.084	28.702	1
5532_5533	5532	5533	14.867	-1.49	0.034	0.006	0.371	15.743	1
5533_5533	5533	5533	77.738	0.73	0.037	0.004	0.611	51.141	1
5533_5534	5533	5534	16.265	-1.017	0.022	-0.003	0.413	23.006	1
5534_5534	5534	5534	77.7	2.539	-0.019	0.017	0.864	45.876	1
5534_5535	5534	5535	16.284	-0.638	0.01	0.004	0.483	27.607	1
5535_5535	5535	5535	83.791	5.203	-0.438	-0.004	0.398	27.715	1
5535_5536	5535	5536	17.817	-0.206	-0.364	-0.019	-3.618	29.839	1
5536_5536	5536	5536	83.645	7.187	-0.419	0.107	-4.384	-29.107	1
5536_5537	5536	5537	17.817	0.217	-0.36	0.059	-4.87	29.085	1
5537_5537	5537	5537	83.597	8.437	-0.218	-0.281	-6.215	-54.181	1
5537_5254	5537	5254	17.777	0.239	-0.039	-0.101	-5.252	28.062	1
5540_5278	5540	5278	84.323	-7.859	-0.287	0.211	-5.248	-74.926	1
5540_5541	5540	5541	16.244	0.111	-0.168	-0.047	-1.437	37.214	1
5541_5541	5541	5541	83.93	-6.906	0.528	-0.079	-6.939	-42.953	1
5541_5542	5541	5542	16.114	0.1	0.062	-0.111	-1.323	36.8	1
5542_5542	5542	5542	84.075	-4.846	0.358	0.007	-5.104	-18.816	1
5542_5543	5542	5543	16.107	0.495	0.029	-0.003	-0.99	31.393	1
5543_5543	5543	5543	78.834	-2.12	0.19	-0.088	-1.758	33.925	1
5543_5544	5543	5544	15.082	0.924	0.081	-0.06	-0.493	24.696	1
5544_5544	5544	5544	78.862	-0.26	-0.03	0.058	-0.343	49.204	1
5544_5545	5544	5545	15.056	1.279	0.038	0.021	-0.199	15.48	1
5545_5545	5545	5545	73.493	2.246	0.093	0.003	-1.061	50.921	1
5545_5546	5545	5546	14.095	1.741	0.058	-0.003	0.532	-9.617	1
5546_5546	5546	5546	68.97	4.548	-1.362	-0.044	-0.272	21.038	1
5546_5547	5546	5547	13.328	2.255	-0.317	0.017	-2.388	-29.596	1
5547_5547	5547	5547	68.861	5.952	-1.464	0.18	-12.339	-19.225	1
5547_5548	5547	5548	13.279	2.526	-0.338	0.024	-4.285	-43.637	1
5548_5548	5548	5548	62.987	-7.636	1.024	-2.256	-20.975	-59.464	1
5548_5549	5548	5549	12.493	-0.236	0.278	-0.48	-3.579	-42.957	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5549_5549	5549	5549	62.73	6.331	-0.225	2.485	-17.999	-38.113	1
5549_5550	5549	5550	12.408	-0.096	0.016	0.595	-3.572	-43.05	1
5550_5550	5550	5550	63.597	-4.586	-0.895	0.15	15.185	-13.219	1
5550_5551	5550	5551	11.286	-2.68	0.243	0.019	-2.114	-27.813	1
5551_5551	5551	5551	63.683	-3.144	-1.033	-0.052	10.102	12.767	1
5551_5552	5551	5552	11.344	-2.424	0.216	0.008	-0.264	-7.398	1
5552_5552	5552	5552	67.054	-0.365	0	0.012	1.121	39.297	1
5552_5553	5552	5553	10.9	-1.967	0.074	-0.008	0.846	20.477	1
5553_5553	5553	5553	70.945	2.332	-0.13	0.007	0.767	44.444	1
5553_5554	5553	5554	10.539	-1.495	0.04	-0.029	1.115	30.79	1
5554_5554	5554	5554	70.862	4.156	-0.21	0.043	-0.157	28.028	1
5554_5555	5554	5555	10.574	-1.224	0.028	-0.022	1.297	39.411	1
5555_5555	5555	5555	75.1	6.614	-1.106	0.01	-1.756	6.696	1
5555_5556	5555	5556	10.3	-0.776	0.176	-0.04	3.109	46.298	1
5556_5556	5556	5556	74.884	8.701	-1.287	0.228	-13.499	-63.806	1
5556_5557	5556	5557	10.318	-0.49	0.15	-0.011	3.591	47.978	1
5557_5557	5557	5557	73.928	9.897	1.139	0.699	-18.453	-93.419	1
5557_5290	5557	5290	10.411	-0.494	-0.092	-0.094	3.129	50.651	1
45000_5000	45000	5000	1.462	19.716	-0.258	0.232	0	10.615	1
45000_5001	45000	5001	0.408	2.475	0.017	0.142	0.212	-28.619	1
45001_5001	45001	5001	1.462	19.716	-0.26	-0.09	-3.288	-240.228	1
45001_5002	45001	5002	0.408	2.475	0.016	0.104	0.371	-53.087	1
45002_5002	45002	5002	1.464	23.582	0.302	0.439	-5.863	-435.132	1
45002_5003	45002	5003	0.407	2.512	-0.002	0.079	0.343	-83.592	1
45003_5003	45003	5003	1.465	23.582	0.299	-0.662	-2.2	-721.53	1
45003_5004	45003	5004	0.407	2.512	-0.003	-0.048	0.307	-114.066	1
45004_5004	45004	5004	1.463	30.302	-0.037	0.512	1.431	-1007.587	1
45004_5005	45004	5005	0.407	2.521	0.001	0.079	0.323	-144.673	1
45005_5005	45005	5005	1.463	22.506	-0.038	-0.756	0.983	-1375.438	1
45005_5006	45005	5006	0.407	2.521	0.001	-0.054	0.335	-175.3	1
45006_5006	45006	5006	1.463	-2.785	0.031	1.21	0.518	-1648.922	1
45006_5007	45006	5007	0.407	2.563	0.012	0.168	0.48	-206.414	1
45007_5007	45007	5007	1.463	-2.785	0.029	-1.431	0.899	-1615.125	1
45007_5008	45007	5008	0.408	2.563	0.011	-0.169	0.617	-237.518	1
45008_5008	45008	5008	1.463	-10.827	-0.016	1.075	1.25	-1581.255	1
45008_5009	45008	5009	0.407	2.652	-0.002	0.205	0.594	-269.719	1
45009_5009	45009	5009	1.463	-28.189	-0.018	-1.295	1.057	-1449.781	1
45009_5010	45009	5010	0.407	2.652	-0.003	-0.236	0.563	-301.912	1
45010_5010	45010	5010	1.464	-19.676	0.03	-0.1	0.836	-1107.65	1
45010_5011	45010	5011	0.408	2.816	0.01	-0.024	0.688	-336.095	1
45011_5011	45011	5011	1.464	-19.676	0.03	-0.1	1.197	-868.816	1
45011_5012	45011	5012	0.408	2.816	0.01	-0.024	0.813	-370.271	1
45012_5012	45012	5012	1.463	-14.595	-0.067	0.106	1.557	-630.001	1
45012_5013	45012	5013	0.407	3.128	-0.015	0.103	0.627	-408.268	1
45013_5013	45013	5013	1.463	-14.595	-0.068	-0.22	0.739	-452.755	1
45013_5014	45013	5014	0.407	3.128	-0.016	-0.191	0.439	-446.223	1
45014_5014	45014	5014	1.464	-12.074	0.134	0.017	-0.092	-275.664	1
45014_5015	45014	5015	0.408	3.557	0.047	0.113	1.198	-503.673	1
45015_5015	45015	5015	1.632	-44.056	0.138	-0.65	2.436	-1160.761	1
45015_5016	45015	5016	0.377	3.561	0.047	-0.286	1.581	-532.842	1
45016_5016	45016	5016	2.236	-39.953	-0.057	0.208	3.487	-1021.575	1
45016_5017	45016	5017	0.295	4.454	-0.04	0.252	1.118	-585.164	1
45017_5017	45017	5017	3.481	-46.597	-0.061	-0.491	2.472	-873.633	1
45017_5018	45017	5018	0.188	-0.916	0	0.122	-0.639	226.546	1
45018_5018	45018	5018	4.737	-48.796	0.021	-0.074	1.252	-609.64	1
45018_5019	45018	5019	0.205	-0.847	-0.011	-0.089	-0.79	240.604	1
45019_5019	45019	5019	6.647	-56.199	0.022	-0.278	1.234	-349.678	1
45019_5020	45019	5020	0.228	-0.86	-0.011	0.166	-0.918	254.997	1
45020_5020	45020	5020	9.192	-0.8	-0.007	0.017	1.574	-113.153	1
45020_5021	45020	5021	60.35	-0.365	0.173	0.135	-3.2	-110.78	1
45021_5021	45021	5021	9.192	-0.8	-0.009	0.002	1.505	-103.332	1
45021_5022	45021	5022	60.35	-0.365	0.163	0.078	-1.934	-93.367	1
45022_5022	45022	5022	9.192	-0.8	-0.019	-0.109	1.437	-97.125	1
45022_5023	45022	5023	60.35	-0.365	0.094	-0.029	-1.204	-90.538	1
45023_5023	45023	5023	9.192	-0.774	-0.018	-0.043	1.289	-90.927	1
45023_5024	45023	5024	60.353	0.225	0.079	0.06	-0.573	-92.341	1
45024_5024	45024	5024	9.192	-0.774	-0.006	0.073	1.142	-84.735	1
45024_5025	45024	5025	60.353	0.225	0.162	0.187	0.722	-94.142	1
45025_5025	45025	5025	9.192	-0.774	-0.03	-0.132	1.096	-78.55	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45025_5026	45025	5026	60.353	0.225	0.004	-0.06	0.753	-95.944	1
45026_5026	45026	5026	9.192	-0.779	-0.026	-0.013	0.858	-72.359	1
45026_5027	45026	5027	60.354	0.889	0.093	0.109	1.312	-101.283	1
45027_5027	45027	5027	9.192	-0.779	-0.024	-0.002	0.704	-67.687	1
45027_5028	45027	5028	60.354	0.889	0.103	0.126	1.931	-106.612	1
45028_5028	45028	5028	9.192	-0.779	-0.026	-0.012	0.559	-63.022	1
45028_5029	45028	5029	60.354	0.889	0.093	0.108	2.49	-111.95	1
45029_5029	45029	5029	9.192	-0.779	-0.041	-0.109	0.404	-58.349	1
45029_5030	45029	5030	60.354	0.889	-0.007	-0.078	2.448	-117.287	1
45030_5030	45030	5030	9.192	-0.768	-0.033	0.004	0.158	-53.678	1
45030_5031	45030	5031	60.355	1.319	0.101	0.171	3.259	-127.839	1
45031_5031	45031	5031	9.192	-0.768	-0.044	-0.055	-0.105	-47.529	1
45031_5032	45031	5032	60.355	1.319	0.026	0.013	3.468	-138.389	1
45032_5032	45032	5032	9.192	-0.768	-0.044	-0.055	-0.459	-41.381	1
45032_5033	45032	5033	60.355	1.319	0.026	0.013	3.678	-148.94	1
45033_5033	45033	5033	9.191	-0.785	-0.102	-0.007	-0.814	-35.234	1
45033_5034	45033	5034	60.355	1.423	-0.018	0.126	3.543	-159.966	1
45034_5034	45034	5034	9.191	-0.785	-0.102	-0.007	-1.607	-29.15	1
45034_5035	45034	5035	60.355	1.423	-0.018	0.126	3.407	-170.989	1
45035_5035	45035	5035	9.191	-0.785	-0.112	-0.059	-2.4	-25.403	1
45035_5036	45035	5036	60.355	1.423	-0.078	-0.066	2.667	-199.815	1
45036_5036	45036	5036	26.888	37.884	0.026	-0.297	3.291	852.341	1
45036_5037	45036	5037	14.618	-7.169	-0.015	0.846	2.047	-679.302	1
45037_5037	45037	5037	25.894	38.571	-0.025	0.445	3.551	375.259	1
45037_5038	45037	5038	14.8	-6.786	-0.049	-0.721	1.562	-594.192	1
45038_5038	45038	5038	25.183	40.544	0.009	0.527	3.548	21.49	1
45038_5039	45038	5039	15.01	-5.634	0.064	0.467	2.325	-519.491	1
45039_5039	45039	5039	24.148	37.632	-0.033	-0.286	3.903	-352.765	1
45039_5040	45039	5040	15.143	-5.264	0.038	-0.47	2.802	-456.094	1
45040_5040	45040	5040	23.495	36.531	-0.081	0.464	3.568	-684.096	1
45040_5041	45040	5041	15.235	-4.188	-0.065	0.198	2.253	-421.588	1
45041_5041	45041	5041	23.179	1.394	-0.094	-0.191	2.871	-955.113	1
45041_5042	45041	5042	15.272	-4.054	-0.075	-0.083	1.074	-353.482	1
45042_5042	45042	5042	23.18	12.801	0.035	-0.008	1.393	-977.051	1
45042_5043	45042	5043	15.272	-3.479	0.026	0	1.384	-311.99	1
45043_5043	45043	5043	23.18	-23.999	0.035	-0.008	1.815	-1129.724	1
45043_5044	45043	5044	15.272	-3.479	0.026	0	1.693	-1270.493	1
45044_5044	45044	5044	23.18	-14.94	-0.016	-0.058	2.238	-843.565	1
45044_5045	45044	5045	15.272	-3.237	-0.014	-0.022	1.53	-231.865	1
45045_5045	45045	5045	23.18	-14.94	-0.014	-0.01	2.048	-665.28	1
45045_5046	45045	5046	15.272	-3.237	-0.013	-0.006	1.381	-193.262	1
45046_5046	45046	5046	23.18	-10.068	-0.002	0.269	1.878	-487.15	1
45046_5047	45046	5047	15.272	-3.15	0	0.101	1.385	-155.681	1
45047_5047	45047	5047	23.18	-10.068	-0.039	-0.319	1.852	-367.021	1
45047_5048	45047	5048	15.272	-3.15	-0.024	-0.148	1.097	-118.135	1
45048_5048	45048	5048	23.18	-7.954	0.02	0.092	1.384	-246.998	1
45048_5049	45048	5049	15.273	-3.175	0.014	0.033	1.263	-80.257	1
45049_5049	45049	5049	23.18	-7.954	-0.019	-0.162	1.622	-152.107	1
45049_5050	45049	5050	15.273	-3.175	-0.012	-0.101	1.123	-42.384	1
45050_5050	45050	5050	23.181	-7.488	-0.003	-0.071	1.397	-57.215	1
45050_5051	45050	5051	15.273	-3.303	-0.022	-0.043	0.77	9.509	1
45051_5051	45051	5051	23.243	-7.293	-0.036	-0.001	1.349	58.133	1
45051_5052	45051	5052	15.3	-3.175	-0.044	-0.041	0.406	34.215	1
45052_5052	45052	5052	23.364	-7.478	0.011	-0.23	1.093	119.752	1
45052_5053	45052	5053	15.354	-3.153	0.004	-0.106	0.447	71.251	1
45053_5053	45053	5053	23.546	-6.882	-0.034	0.123	1.229	200.082	1
45053_5054	45053	5054	15.429	-2.761	-0.025	0.01	0.114	102.915	1
45054_5054	45054	5054	23.72	-6.448	0	-0.338	0.754	291.358	1
45054_5055	45054	5055	15.505	-2.539	0.01	-0.156	0.225	134.75	1
45055_5055	45055	5055	23.88	-5.83	-0.037	0.233	0.801	372.218	1
45055_5056	45055	5056	15.566	-2.135	-0.015	0.052	0.06	161.583	1
45056_5056	45056	5056	7.877	-0.51	0.006	-0.011	0.576	-79.113	1
45056_5057	45056	5057	48.909	0.003	0.104	0.069	-1.981	-105.901	1
45057_5057	45057	5057	7.877	-0.51	0.009	0.018	0.631	-73.845	1
45057_5058	45057	5058	48.909	0.003	0.124	0.104	-1.022	-103.295	1
45058_5058	45058	5058	7.877	-0.51	-0.001	-0.072	0.701	-69.891	1
45058_5059	45058	5059	48.909	0.003	0.061	-0.029	-0.552	-103.318	1
45059_5059	45059	5059	7.877	-0.498	0.006	0.076	0.692	-65.937	1
45059_5060	45059	5060	48.91	0.532	0.163	0.233	0.755	-107.582	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45060_5060	45060	5060	7.877	-0.498	-0.013	-0.074	0.737	-61.945	1
45060_5061	45060	5061	48.91	0.532	0.045	-0.026	1.117	-111.839	1
45061_5061	45061	5061	7.877	-0.498	-0.013	-0.074	0.631	-57.958	1
45061_5062	45061	5062	48.91	0.532	0.045	-0.026	1.48	-116.096	1
45062_5062	45062	5062	7.877	-0.503	-0.004	0.012	0.524	-53.972	1
45062_5063	45062	5063	48.91	1.19	0.076	0.163	1.933	-123.241	1
45063_5063	45063	5063	7.877	-0.503	-0.003	0.018	0.5	-50.954	1
45063_5064	45063	5064	48.91	1.19	0.081	0.177	2.418	-130.371	1
45064_5064	45064	5064	7.877	-0.503	-0.017	-0.067	0.481	-47.941	1
45064_5065	45064	5065	48.91	1.19	-0.006	-0.054	2.383	-137.512	1
45065_5065	45065	5065	7.877	-0.503	-0.017	-0.067	0.378	-44.924	1
45065_5066	45065	5066	48.91	1.19	-0.006	-0.054	2.349	-144.653	1
45066_5066	45066	5066	7.877	-0.501	-0.015	-0.013	0.275	-41.907	1
45066_5067	45066	5067	48.912	1.663	0.033	0.133	2.61	-157.958	1
45067_5067	45067	5067	7.877	-0.501	-0.015	-0.013	0.155	-37.903	1
45067_5068	45067	5068	48.912	1.663	0.033	0.133	2.871	-171.256	1
45068_5068	45068	5068	7.877	-0.501	-0.025	-0.058	0.035	-33.899	1
45068_5069	45068	5069	48.912	1.663	-0.032	-0.094	2.614	-184.569	1
45069_5069	45069	5069	7.876	-0.502	-0.047	0.008	-0.169	-29.891	1
45069_5070	45069	5070	48.914	1.836	0.019	0.287	2.763	-198.794	1
45070_5070	45070	5070	7.876	-0.502	-0.058	-0.028	-0.534	-26.002	1
45070_5071	45070	5071	48.914	1.836	-0.048	0.015	2.394	-213.029	1
45071_5071	45071	5071	7.876	-0.502	-0.063	-0.046	-0.984	-22.702	1
45071_5072	45071	5072	48.914	1.836	-0.077	-0.118	1.666	-234.155	1
45072_5072	45072	5072	22.162	41.192	0.008	-0.045	2.515	71.19319	1
45072_5073	45072	5073	8.139	-5.826	-0.015	0.588	1.467	-645.505	1
45073_5073	45073	5073	21.081	41.31	-0.02	0.218	2.604	215.588	1
45073_5074	45073	5074	8.288	-5.612	-0.029	-0.479	1.193	-575.149	1
45074_5074	45074	5074	20.345	43.618	-0.035	0.82	2.472	-162.183	1
45074_5075	45074	5075	8.456	-4.817	0.002	0.548	1.157	-511.26	1
45075_5075	45075	5075	19.066	36.959	-0.057	-0.424	2.496	-412.802	1
45075_5076	45075	5076	8.576	-4.6	-0.016	-0.561	1.007	-454.399	1
45076_5076	45076	5076	18.398	36.178	0.003	0.861	1.784	-742.333	1
45076_5077	45076	5077	8.656	-3.679	0.011	0.347	1.078	-424.052	1
45077_5077	45077	5077	18.258	4.994	-0.01	-0.416	1.631	-971.079	1
45077_5078	45077	5078	8.687	-3.606	0	-0.187	1.079	-375.742	1
45078_5078	45078	5078	18.259	3.096	0.024	0.931	1.495	-1042.254	1
45078_5079	45078	5079	8.687	-3.221	0.007	0.298	1.158	-339.622	1
45079_5079	45079	5079	18.259	-21.473	-0.009	-0.987	1.759	-1076.972	1
45079_5080	45079	5080	8.687	-3.221	-0.008	-0.306	1.064	-303.502	1
45080_5080	45080	5080	18.259	-13.442	0.003	0.606	1.659	-836.184	1
45080_5081	45080	5081	8.687	-2.99	0.002	0.241	1.089	-269.977	1
45081_5081	45081	5081	18.259	-13.442	-0.03	-0.615	1.689	-685.448	1
45081_5082	45081	5082	8.687	-2.99	-0.013	-0.24	0.94	-236.451	1
45082_5082	45082	5082	18.26	-8.834	-0.001	-0.016	1.355	-534.802	1
45082_5083	45082	5083	8.687	-2.873	-0.006	-0.011	0.865	-201.857	1
45083_5083	45083	5083	18.26	-8.834	-0.002	-0.032	1.341	-428.408	1
45083_5084	45083	5084	8.687	-2.873	-0.007	-0.019	0.786	-167.228	1
45084_5084	45084	5084	18.26	-6.758	-0.002	0.192	1.319	-321.932	1
45084_5085	45084	5085	8.687	-2.84	-0.001	0.096	0.775	-135.396	1
45085_5085	45085	5085	18.26	-6.758	-0.034	-0.247	1.301	-246.166	1
45085_5086	45085	5086	8.687	-2.84	-0.016	-0.145	0.59	-103.564	1
45086_5086	45086	5086	18.26	-6.058	0.007	0.067	0.918	-170.393	1
45086_5087	45086	5087	8.688	-2.854	-0.001	0.04	0.578	-71.566	1
45087_5087	45087	5087	18.26	-6.058	-0.027	-0.119	0.992	-102.486	1
45087_5088	45087	5088	8.688	-2.854	-0.017	-0.09	0.389	-39.541	1
45088_5088	45088	5088	18.26	-6.049	0.019	-0.063	0.693	-34.534	1
45088_5089	45088	5089	8.688	-2.924	0.006	-0.035	0.47	0.575	1
45089_5089	45089	5089	18.312	-5.891	-0.005	-0.008	0.951	51.937	1
45089_5090	45089	5090	8.713	-2.849	-0.005	-0.037	0.427	25.715	1
45090_5090	45090	5090	18.414	-5.913	0.003	-0.21	0.909	100.519	1
45090_5091	45090	5091	8.762	-2.843	-0.009	-0.093	0.323	59.13	1
45091_5091	45091	5091	18.863	-43.599	-0.006	-0.787	1.171	-736.146	1
45091_5092	45091	5092	8.83	-2.622	-0.027	0.017	-0.028	92.459	1
45092_5092	45092	5092	19.539	-37.803	0.007	-0.182	1.124	-157.728	1
45092_5093	45092	5093	8.902	-2.52	0.002	-0.088	-0.011	124.042	1
45093_5093	45093	5093	20.606	-41.038	-0.001	-0.003	1.172	202.847	1
45093_5094	45093	5094	8.965	-2.288	-0.005	0.015	-0.069	152.807	1
45094_5094	45094	5094	9.205	0.492	0.044	0.051	-0.667	-22.134	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45094_5095	45094	5095	46.989	0.242	0.099	0.106	-1.432	-88.539	1
45095_5095	45095	5095	9.205	0.492	0.04	0.039	-0.249	-26.441	1
45095_5096	45095	5096	46.989	0.242	0.08	0.067	-0.814	-88.536	1
45096_5096	45096	5096	9.205	0.492	0.029	0.001	0.063	-30.26	1
45096_5097	45096	5097	46.989	0.242	0.021	-0.044	-0.653	-90.413	1
45097_5097	45097	5097	9.205	0.49	0.009	0.048	0.285	-34.073	1
45097_5098	45097	5098	46.998	0.741	0.051	0.088	-0.243	-96.345	1
45098_5098	45098	5098	9.205	0.49	0.009	0.048	0.355	-37.992	1
45098_5099	45098	5099	46.998	0.741	0.051	0.088	0.167	-102.275	1
45099_5099	45099	5099	9.205	0.49	-0.002	-0.002	0.425	-41.911	1
45099_5100	45099	5100	46.998	0.741	-0.006	-0.036	0.12	-108.197	1
45100_5100	45100	5100	9.205	0.489	0.002	-0.058	0.406	-45.825	1
45100_5101	45100	5101	46.998	1.389	-0.028	-0.162	-0.049	-116.533	1
45101_5101	45101	5101	9.205	0.489	-0.014	-0.139	0.417	-48.758	1
45101_5102	45101	5102	46.998	1.389	-0.106	-0.356	-0.687	-124.869	1
45102_5102	45102	5102	9.205	0.489	0.048	0.205	0.335	-51.691	1
45102_5103	45102	5103	46.998	1.389	0.207	0.475	0.553	-133.206	1
45103_5103	45103	5103	9.205	0.489	0.033	0.117	0.622	-54.625	1
45103_5104	45103	5104	46.998	1.389	0.131	0.261	1.337	-141.53	1
45104_5104	45104	5104	9.205	0.481	0.019	0.081	0.819	-57.554	1
45104_5105	45104	5105	46.998	1.859	0.069	0.186	1.887	-156.411	1
45105_5105	45105	5105	9.205	0.481	0.008	0.007	0.973	-61.403	1
45105_5106	45105	5106	46.998	1.859	0.012	-0.003	1.981	-171.273	1
45106_5106	45106	5106	9.205	0.481	0.008	0.004	1.038	-65.247	1
45106_5107	45106	5107	46.998	1.859	0.01	-0.009	2.061	-186.153	1
45107_5107	45107	5107	9.205	0.485	0.008	0.051	1.1	-69.097	1
45107_5108	45107	5108	46.999	2.036	0.016	0.126	2.183	-201.944	1
45108_5108	45108	5108	9.205	0.485	0.008	0.053	1.159	-72.856	1
45108_5109	45108	5109	46.999	2.036	0.017	0.133	2.319	-217.712	1
45109_5109	45109	5109	9.205	0.485	-0.002	-0.028	1.221	-77.1	1
45109_5110	45109	5110	46.999	2.036	-0.032	-0.098	2.014	-239.57	1
45110_5110	45110	5110	21.186	40.246	-0.002	-0.073	2.157	707.683	1
45110_5111	45110	5111	8.936	1.59	0.008	-0.057	0.565	98.9	1
45111_5111	45111	5111	20.174	36.959	-0.023	0.273	2.214	315.806	1
45111_5112	45111	5112	8.891	1.822	-0.006	0.084	0.481	76.069	1
45112_5112	45112	5112	19.506	42.829	0.015	0.496	1.923	-147.228	1
45112_5113	45112	5113	8.837	1.923	0	-0.01	0.483	50.549	1
45113_5113	45113	5113	19.198	5.144	-0.04	0.127	1.02	166.044	1
45113_5114	45113	5114	8.786	2.145	-0.011	0.044	0.347	26.795	1
45114_5114	45114	5114	19.109	5.127	0.026	0.006	0.549	105.571	1
45114_5115	45114	5115	8.749	2.138	0.008	0.009	0.415	9.172	1
45115_5115	45115	5115	19.064	5.292	0.021	0.017	0.767	62.498	1
45115_5116	45115	5116	8.73	2.214	0.006	0.008	0.5	-22.737	1
45116_5116	45116	5116	19.064	5.247	-0.025	0.045	1.07	-12.877	1
45116_5117	45116	5117	8.73	2.133	-0.004	0.027	0.45	-46.658	1
45117_5117	45117	5117	19.064	5.247	-0.042	-0.019	0.785	-71.709	1
45117_5118	45117	5118	8.73	2.133	-0.012	-0.014	0.313	-70.577	1
45118_5118	45118	5118	19.064	5.813	0.015	0.089	0.31	-130.541	1
45118_5119	45118	5119	8.73	2.097	0.004	0.04	0.358	-94.087	1
45119_5119	45119	5119	19.064	5.813	-0.002	-0.086	0.475	-195.714	1
45119_5120	45119	5120	8.73	2.097	-0.004	-0.044	0.316	-117.596	1
45120_5120	45120	5120	19.064	7.727	0.011	0.439	0.45	-260.887	1
45120_5121	45120	5121	8.73	2.11	0.008	0.174	0.41	-143.023	1
45121_5121	45121	5121	19.064	7.727	-0.037	-0.439	0.577	-354.012	1
45121_5122	45121	5122	8.73	2.11	-0.014	-0.181	0.243	-168.427	1
45122_5122	45122	5122	19.064	12.271	0.012	0.263	0.136	-447.056	1
45122_5123	45122	5123	8.73	2.195	0.008	0.078	0.328	-193.033	1
45123_5123	45123	5123	19.064	12.271	-0.005	-0.259	0.269	-584.626	1
45123_5124	45123	5124	8.73	2.195	0	-0.094	0.325	-217.638	1
45124_5124	45124	5124	19.064	20.638	-0.001	0.84	0.212	-722.12	1
45124_5125	45124	5125	8.73	2.385	-0.003	0.209	0.287	-244.375	1
45125_5125	45125	5125	19.064	-5.884	-0.035	-0.861	0.204	-953.486	1
45125_5126	45125	5126	8.73	2.385	-0.019	-0.227	0.073	-271.115	1
45126_5126	45126	5126	19.066	-5.211	-0.001	0.368	-0.186	-887.434	1
45126_5127	45126	5127	8.73	2.728	0.003	0.142	0.115	-308.407	1
45127_5127	45127	5127	19.147	-17.603	-0.036	-0.642	-0.368	-813.011	1
45127_5128	45127	5128	8.707	2.802	-0.008	-0.244	0.048	-329.248	1
45128_5128	45128	5128	19.844	-31.351	0.025	0.389	-0.389	-769.481	1
45128_5129	45128	5129	8.645	3.581	0.001	0.388	0.075	-371.331	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45129_5129	45129	5129	21.204	-43.509	-0.008	-0.625	-0.313	-588.62	1
45129_5130	45129	5130	8.551	3.801	-0.017	-0.394	-0.179	-424.561	1
45130_5130	45130	5130	21.914	-40.336	0.07	-0.143	-0.509	-152.409	1
45130_5131	45130	5131	8.394	4.759	0.042	0.171	0.377	-484.207	1
45131_5131	45131	5131	22.982	-40.196	0.056	0.123	0.389	339.11	1
45131_5132	45131	5132	8.266	4.977	0.035	-0.224	0.78	-546.743	1
45132_5132	45132	5132	10.061	0.19	-0.058	-0.141	0.615	-46.07	1
45132_5133	45132	5133	52.42	-0.482	-0.189	-0.399	-1.35	-133.394	1
45133_5133	45133	5133	10.061	0.19	-0.071	-0.188	0.063	-45.703	1
45133_5134	45133	5134	52.419	-0.482	-0.257	-0.516	-3.338	-118.353	1
45134_5134	45134	5134	10.061	0.19	0.059	0.42	-0.487	-47.172	1
45134_5135	45134	5135	52.418	-0.482	0.419	1.01	-0.085	-114.608	1
45135_5135	45135	5135	10.061	0.182	0.009	0.045	-0.033	-48.648	1
45135_5136	45135	5136	52.413	-0.128	-0.017	0.09	-0.225	-113.595	1
45136_5136	45136	5136	10.061	0.182	-0.004	-0.018	0.04	-50.103	1
45136_5137	45136	5137	52.413	-0.128	-0.083	-0.052	-0.888	-112.57	1
45137_5137	45137	5137	10.061	0.182	0.009	0.047	0.011	-51.559	1
45137_5138	45137	5138	52.413	-0.128	-0.017	0.09	-1.021	-111.547	1
45138_5138	45138	5138	10.061	0.183	0.018	0.061	0.085	-53.012	1
45138_5139	45138	5139	52.412	0.595	0.073	0.123	-0.583	-115.112	1
45139_5139	45139	5139	10.061	0.183	0.001	-0.029	0.191	-54.108	1
45139_5140	45139	5140	52.412	0.595	-0.014	-0.069	-0.668	-118.68	1
45140_5140	45140	5140	10.061	0.183	0.018	0.063	0.197	-55.203	1
45140_5141	45140	5141	52.412	0.595	0.073	0.129	-0.23	-122.249	1
45141_5141	45141	5141	10.061	0.183	0.001	-0.031	0.304	-56.299	1
45141_5142	45141	5142	52.412	0.595	-0.014	-0.075	-0.315	-125.818	1
45142_5142	45142	5142	10.061	0.181	0.014	0.015	0.31	-57.394	1
45142_5143	45142	5143	52.411	0.986	0.036	0.029	-0.024	-133.707	1
45143_5143	45143	5143	10.061	0.181	0.014	0.015	0.422	-58.839	1
45143_5144	45143	5144	52.411	0.986	0.036	0.029	0.267	-141.599	1
45144_5144	45144	5144	10.061	0.181	0.014	0.015	0.535	-60.283	1
45144_5145	45144	5145	52.411	0.986	0.036	0.029	0.558	-149.491	1
45145_5145	45145	5145	10.061	0.19	0.007	-0.021	0.647	-61.728	1
45145_5146	45145	5146	52.408	1.077	0.014	-0.063	0.668	-157.834	1
45146_5146	45146	5146	10.061	0.19	0.007	-0.021	0.701	-63.202	1
45146_5147	45146	5147	52.408	1.077	0.014	-0.063	0.778	-166.181	1
45147_5147	45147	5147	10.061	0.19	0.02	0.064	0.754	-66.574	1
45147_5148	45147	5148	52.407	1.077	0.08	0.161	1.537	-186.293	1
45148_5148	45148	5148	33.865	27.935	0.004	-0.217	0.348	906.225	1
45148_5149	45148	5149	16.25	1.938	0.007	-0.057	-0.017	161.567	1
45149_5149	45149	5149	33.124	28.81	-0.021	0.216	0.353	555.227	1
45149_5150	45149	5150	16.194	2.362	-0.006	0.072	-0.106	131.962	1
45150_5150	45150	5150	32.633	30.025	0.006	0.02	0.098	277.302	1
45150_5151	45150	5151	16.123	2.63	0.01	-0.004	0.028	97.074	1
45151_5151	45151	5151	31.863	27.191	0	-0.002	0.196	7.568	1
45151_5152	45151	5152	16.051	3.039	0.006	0.018	0.092	66.53	1
45152_5152	45152	5152	31.56	10.679	-0.002	0.003	0.202	156.979	1
45152_5153	45152	5153	15.999	3.087	0.004	0.01	0.125	41.06	1
45153_5153	45153	5153	31.469	10.944	-0.001	0.001	0.189	72.506	1
45153_5154	45153	5154	15.972	3.221	0.004	0.008	0.182	-1.356	1
45154_5154	45154	5154	31.469	12.855	0.002	0.007	0.172	-77.874	1
45154_5155	45154	5155	15.972	3.109	0.003	0.01	0.213	-35.554	1
45155_5155	45155	5155	31.469	12.855	0.002	0.007	0.192	-219.287	1
45155_5156	45155	5156	15.972	3.109	0.003	0.01	0.244	-69.752	1
45156_5156	45156	5156	31.469	17.517	0.013	0.009	0.212	-360.7	1
45156_5157	45156	5157	15.972	3.084	0.008	0.009	0.328	-100.619	1
45157_5157	45157	5157	31.469	17.517	0.014	0.014	0.344	-536.058	1
45157_5158	45157	5158	15.972	3.084	0.009	0.01	0.414	-131.456	1
45158_5158	45158	5158	31.469	25.916	-0.02	-0.478	0.479	-711.161	1
45158_5159	45158	5159	15.972	3.145	-0.005	-0.076	0.361	-162.936	1
45159_5159	45159	5159	31.469	-3.488	0.011	0.491	0.275	-970.589	1
45159_5160	45159	5160	15.972	3.145	0.011	0.087	0.468	-194.419	1
45160_5160	45160	5160	31.469	0.008	-0.013	0.024	0.384	-935.672	1
45160_5161	45160	5161	15.973	3.31	-0.008	0.009	0.378	-230.829	1
45161_5161	45161	5161	31.469	0.008	-0.013	0.024	0.247	-935.763	1
45161_5162	45161	5162	15.973	3.31	-0.008	0.009	0.288	-267.238	1
45162_5162	45162	5162	31.467	-25.868	0.039	0.194	0.109	-935.948	1
45162_5163	45162	5163	15.972	3.692	0.046	0.096	0.922	-317.977	1
45163_5163	45163	5163	31.782	-39.747	0.023	-0.333	0.7	-787.658	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45163_5164	45163	5164	15.941	3.824	0.034	-0.143	1.204	-350.47	1
45164_5164	45164	5164	32.217	-31.406	-0.026	-0.061	0.889	-459.707	1
45164_5165	45164	5165	15.973	-3.379	0.009	0.053	-0.028	118.255	1
45165_5165	45165	5165	33.023	-34.128	0.004	0.095	0.669	-229.83	1
45165_5166	45165	5166	16.053	-2.977	0.027	-0.07	0.319	153.53	1
45166_5166	45166	5166	33.597	-29.66	0.011	-0.229	0.699	222.904	1
45166_5167	45166	5167	16.13	-2.687	0	-0.081	0.322	187.211	1
45167_5167	45167	5167	34.374	-31.849	-0.015	0.202	0.861	535.425	1
45167_5168	45167	5168	16.195	-2.265	-0.012	0.06	0.179	215.67	1
45168_5168	45168	5168	9.52	-0.176	-0.006	0.001	1.075	-49.611	1
45168_5169	45168	5169	50.637	-1.333	0.024	0.059	1.048	-162.85	1
45169_5169	45169	5169	9.52	-0.176	-0.018	-0.054	1.017	-45.835	1
45169_5170	45169	5170	50.637	-1.333	-0.039	-0.135	0.746	-141.347	1
45170_5170	45170	5170	9.52	-0.176	-0.006	0.002	0.877	-44.472	1
45170_5171	45170	5171	50.637	-1.333	0.026	0.045	0.945	-131.017	1
45171_5171	45171	5171	9.52	-0.173	-0.012	-0.058	0.832	-43.107	1
45171_5172	45171	5172	50.634	-1.263	-0.051	-0.115	0.539	-120.911	1
45172_5172	45172	5172	9.52	-0.173	0	-0.006	0.733	-41.72	1
45172_5173	45172	5173	50.634	-1.263	0.012	0.036	0.638	-110.808	1
45173_5173	45173	5173	9.52	-0.173	0	-0.006	0.729	-40.332	1
45173_5174	45173	5174	50.634	-1.263	0.012	0.036	0.738	-100.704	1
45174_5174	45174	5174	9.52	-0.172	-0.013	-0.059	0.725	-38.945	1
45174_5175	45174	5175	50.634	-0.962	-0.056	-0.094	0.403	-94.93	1
45175_5175	45175	5175	9.52	-0.172	0.003	0.005	0.649	-37.91	1
45175_5176	45175	5176	50.634	-0.962	0.029	0.064	0.574	-89.159	1
45176_5176	45176	5176	9.52	-0.172	-0.013	-0.057	0.668	-36.876	1
45176_5177	45176	5177	50.634	-0.962	-0.056	-0.085	0.239	-83.388	1
45177_5177	45177	5177	9.52	-0.172	0.003	0.003	0.592	-35.841	1
45177_5178	45177	5178	50.634	-0.962	0.029	0.054	0.41	-77.616	1
45178_5178	45178	5178	9.52	-0.168	-0.003	-0.018	0.611	-34.806	1
45178_5179	45178	5179	50.634	-0.557	-0.004	0.011	0.378	-73.155	1
45179_5179	45179	5179	9.52	-0.168	-0.003	-0.018	0.585	-33.465	1
45179_5180	45179	5180	50.634	-0.557	-0.004	0.011	0.346	-68.695	1
45180_5180	45180	5180	9.52	-0.168	-0.015	-0.058	0.559	-32.124	1
45180_5181	45180	5181	50.634	-0.557	-0.067	-0.074	-0.193	-64.235	1
45181_5181	45181	5181	9.52	-0.16	-0.01	-0.022	0.438	-30.783	1
45181_5182	45181	5182	50.634	-0.236	0.03	0.012	0.036	-62.407	1
45182_5182	45182	5182	9.52	-0.16	-0.022	-0.06	0.363	-29.545	1
45182_5183	45182	5183	50.634	-0.236	-0.036	-0.068	-0.241	-60.58	1
45183_5183	45183	5183	9.52	-0.16	-0.01	-0.026	0.192	-29.996	1
45183_5184	45183	5184	50.634	-0.236	0.028	0.013	0.023	-67.323	1
45184_5184	45184	5184	28.012	35.181	-0.004	0.22	-0.317	960.971	1
45184_5185	45184	5185	9.373	-5.411	-0.008	-0.184	0.167	-522.008	1
45185_5185	45185	5185	27.092	34.673	0.015	-0.195	-0.344	546.261	1
45185_5186	45185	5186	9.51	-5.166	0	0.229	0.131	-457.26	1
45186_5186	45186	5186	26.439	36.87	0.031	-0.035	-0.193	182.153	1
45186_5187	45186	5187	9.661	-4.434	0.012	-0.063	0.314	-398.447	1
45187_5187	45187	5187	25.509	37.52	0.043	0.101	0.217	-300.392	1
45187_5188	45187	5188	9.769	-4.191	0.017	0.123	0.511	-346.545	1
45188_5188	45188	5188	25.022	40.834	0.023	0.075	0.697	-518.346	1
45188_5189	45188	5189	9.838	-3.438	0.005	0.043	0.555	-318.221	1
45189_5189	45189	5189	24.686	4.238	0.023	0.053	0.892	-850.598	1
45189_5190	45189	5190	9.866	-3.357	0.005	0.033	0.624	-270.361	1
45190_5190	45190	5190	24.686	14.419	0.026	0.085	1.21	-908.877	1
45190_5191	45190	5191	9.866	-3.039	0.011	0.034	0.74	-236.931	1
45191_5191	45191	5191	24.686	-4.823	0.026	0.085	1.495	-1067.497	1
45191_5192	45191	5192	9.866	-3.039	0.011	0.034	0.856	-203.502	1
45192_5192	45192	5192	24.686	-14.415	-0.004	0.107	1.781	-1014.44	1
45192_5193	45192	5193	9.866	-2.886	0.004	0.032	0.899	-174.585	1
45193_5193	45193	5193	24.686	-21.988	-0.005	0.097	1.738	-869.992	1
45193_5194	45193	5194	9.866	-2.886	0.004	0.03	0.941	-145.639	1
45194_5194	45194	5194	24.686	-15.524	0.018	0.071	1.693	-649.383	1
45194_5195	45194	5195	9.866	-2.828	0.004	0.02	0.982	-117.268	1
45195_5195	45195	5195	24.686	-15.524	0.018	0.071	1.873	-493.669	1
45195_5196	45195	5196	9.866	-2.828	0.004	0.02	1.023	-88.897	1
45196_5196	45196	5196	24.686	-11.95	0.029	0.032	2.054	-337.952	1
45196_5197	45196	5197	9.865	-2.849	0.012	0.008	1.159	-57.562	1
45197_5197	45197	5197	24.686	-11.95	0.029	0.032	2.372	-206.496	1
45197_5198	45197	5198	9.865	-2.849	0.012	0.008	1.296	-26.226	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45198_5198	45198	5198	24.686	-10.516	0.011	0	2.69	-75.038	1
45198_5199	45198	5199	9.865	-2.94	0.007	-0.004	1.398	14.171	1
45199_5199	45199	5199	24.771	-10.316	0.011	-0.02	2.839	63.982	1
45199_5200	45199	5200	9.889	-2.86	0.007	-0.013	1.459	35.576	1
45200_5200	45200	5200	24.921	-9.725	0.008	0.019	2.928	149.109	1
45200_5201	45200	5201	9.935	-2.853	0.001	0.003	1.472	69.108	1
45201_5201	45201	5201	25.605	-32.997	0.009	-0.067	4.316	-144.516	1
45201_5202	45201	5202	10.003	-2.605	0.004	-0.051	1.519	100.493	1
45202_5202	45202	5202	26.227	-32.512	0.01	0.189	4.477	202.498	1
45202_5203	45202	5203	10.071	-2.464	0.004	0.027	1.579	131.38	1
45203_5203	45203	5203	27.052	-32.733	0.029	-0.406	4.56	592.556	1
45203_5204	45203	5204	10.131	-2.206	0.012	-0.118	1.722	159.094	1
45204_5204	45204	5204	10.51	-0.436	0.004	-0.066	1.807	-65.018	1
45204_5205	45204	5205	51.095	0.909	0.111	0.076	-6.64	-76.073	1
45205_5205	45205	5205	10.51	-0.436	0.015	-0.004	1.844	-57.814	1
45205_5206	45205	5206	51.095	0.909	0.166	0.11	-5.351	-68.219	1
45206_5206	45206	5206	10.51	-0.436	0.002	-0.074	1.962	-54.438	1
45206_5207	45206	5207	51.095	0.909	0.1	0.022	-4.574	-75.268	1
45207_5207	45207	5207	10.51	-0.435	0.017	-0.06	1.975	-51.062	1
45207_5208	45207	5208	51.097	1.184	0.116	0.124	-3.644	-84.739	1
45208_5208	45208	5208	10.51	-0.435	0.017	-0.06	2.111	-47.585	1
45208_5209	45208	5209	51.097	1.184	0.116	0.124	-2.714	-94.211	1
45209_5209	45209	5209	10.51	-0.435	0.017	-0.06	2.248	-44.107	1
45209_5210	45209	5210	51.097	1.184	0.116	0.124	-1.784	-103.682	1
45210_5210	45210	5210	10.51	-0.437	-0.001	-0.103	2.384	-40.629	1
45210_5211	45210	5211	51.097	1.545	0.051	0.044	-1.48	-112.951	1
45211_5211	45211	5211	10.51	-0.437	0.016	-0.039	2.376	-38.006	1
45211_5212	45211	5212	51.097	1.545	0.136	0.232	-0.665	-122.22	1
45212_5212	45212	5212	10.51	-0.437	-0.001	-0.098	2.473	-35.383	1
45212_5213	45212	5213	51.097	1.545	0.051	0.028	-0.361	-131.49	1
45213_5213	45213	5213	10.51	-0.437	0.016	-0.044	2.464	-32.761	1
45213_5214	45213	5214	51.097	1.545	0.136	0.247	0.453	-140.759	1
45214_5214	45214	5214	10.51	-0.429	0.008	-0.063	2.561	-30.138	1
45214_5215	45214	5215	51.099	1.795	0.062	0.222	0.95	-155.119	1
45215_5215	45215	5215	10.51	-0.429	-0.005	-0.097	2.629	-26.708	1
45215_5216	45215	5216	51.099	1.795	-0.002	0.028	0.936	-169.478	1
45216_5216	45216	5216	10.51	-0.429	0.008	-0.068	2.592	-23.278	1
45216_5217	45216	5217	51.099	1.795	0.062	0.24	1.433	-183.836	1
45217_5217	45217	5217	10.509	-0.423	0.037	-0.033	2.66	-19.847	1
45217_5218	45217	5218	51.098	1.891	0.304	0.844	3.788	-198.465	1
45218_5218	45218	5218	10.509	-0.423	0.023	-0.055	2.947	-16.571	1
45218_5219	45218	5219	51.098	1.891	0.238	0.585	5.629	-213.122	1
45219_5219	45219	5219	10.509	-0.423	-0.041	-0.146	3.128	-15.792	1
45219_5220	45219	5220	51.099	1.891	-0.075	-0.735	4.919	-243.254	1
45220_5220	45220	5220	28.94	29.213	0.153	-0.756	-0.583	942.403	1
45220_5221	45220	5221	11.862	2.97	0.132	-0.209	-2.443	139.485	1
45221_5221	45221	5221	28.192	25.902	0.09	1.087	1.092	614.077	1
45221_5222	45221	5222	11.783	3.27	0.095	0.298	-1.284	98.5	1
45222_5222	45222	5222	27.684	29.182	0.062	0.54	2.264	289.465	1
45222_5223	45222	5223	11.699	3.493	0.081	-0.011	-0.19	52.166	1
45223_5223	45223	5223	27.059	22.082	-0.021	0.442	3.287	103.544	1
45223_5224	45223	5224	11.609	3.78	0.034	0.196	0.2	11.491	1
45224_5224	45224	5224	26.778	21.447	0.105	0.895	3.161	-48.633	1
45224_5225	45224	5225	11.551	3.876	0.11	0.157	1.112	-20.49	1
45225_5225	45225	5225	26.606	21.66	0.003	-0.003	4.037	-225.417	1
45225_5226	45225	5226	11.52	3.968	0.066	0.069	2.132	-81.687	1
45226_5226	45226	5226	26.606	27.698	0.144	2.187	4.087	-559.929	1
45226_5227	45226	5227	11.52	4.015	0.097	0.387	3.284	-129.276	1
45227_5227	45227	5227	26.607	21.416	0.032	-1.558	5.799	-888.266	1
45227_5228	45227	5228	11.521	4.015	0.049	-0.158	3.861	-176.872	1
45228_5228	45228	5228	26.604	9.119	0.175	2.908	6.181	-1142.068	1
45228_5229	45228	5229	11.519	4.201	0.134	0.619	5.452	-226.665	1
45229_5229	45229	5229	26.605	-9.208	0.062	-2.36	8.25	-1250.183	1
45229_5230	45229	5230	11.52	4.201	0.086	-0.337	6.468	-276.482	1
45230_5230	45230	5230	26.599	0.13	0.19	1.996	8.99	-1140.806	1
45230_5231	45230	5231	11.519	4.536	0.103	0.734	7.723	-331.726	1
45231_5231	45231	5231	26.6	-36.67	0.103	-1.749	11.307	-1142.389	1
45231_5232	45231	5232	11.519	4.536	0.065	-0.353	8.518	-387.026	1
45232_5232	45232	5232	26.599	-30.048	-0.016	0.506	12.56	-695.266	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45232_5233	45232	5233	11.521	5.137	-0.08	0.961	7.778	-434.175	1
45233_5233	45233	5233	26.805	-33.197	-0.076	-0.194	12.628	-547.362	1
45233_5234	45233	5234	11.487	5.212	-0.098	0.265	7.108	-470.084	1
45234_5234	45234	5234	27.17	-32.898	-0.137	-1.068	12.091	-318.683	1
45234_5235	45234	5235	11.428	5.339	-0.124	-0.905	6.129	-511.417	1
45235_5235	45235	5235	27.416	-32.873	1.06	-0.377	10.871	-152.43	1
45235_5236	45235	5236	11.337	5.96	0.657	1.771	9.723	-543.333	1
45236_5236	45236	5236	27.914	-35.767	1.045	-0.183	16.75	-88.109	1
45236_5237	45236	5237	11.248	6.13	0.617	0.017	14.904	-600.058	1
45237_5237	45237	5237	28.396	-35.387	0.99	-0.088	25.607	214.507	1
45237_5238	45237	5238	11.166	6.282	0.594	-1.416	18.753	-641.527	1
45238_5238	45238	5238	28.324	-25.074	-1.165	0.022	32.183	448.044	1
45238_5239	45238	5239	10.953	8.784	-0.555	1.546	13.484	-727.922	1
45239_5239	45239	5239	29.527	-27.329	-1.316	0.61	21.61	-620.218	1
45239_5240	45239	5240	10.525	9.185	-0.546	-0.776	6.855	-815.242	1
45240_5240	45240	5240	11.1	0.533	0.378	0.071	-10.769	-22.417	1
45240_5241	45240	5241	57.221	-3.927	1.024	0.179	8.24	-279.451	1
45241_5241	45241	5241	11.102	0.533	0.332	-0.073	-6.128	-28.133	1
45241_5242	45241	5242	57.225	-3.927	0.789	-1.031	12.856	-252.19	1
45242_5242	45242	5242	11.102	0.533	0.323	-0.097	-4.185	-31.252	1
45242_5243	45242	5243	57.226	-3.927	0.745	-1.225	17.588	-227.231	1
45243_5243	45243	5243	11.113	0.597	0.122	0.149	-2.129	-34.619	1
45243_5244	45243	5244	57.272	-3.228	-0.193	0.179	15.689	-195.405	1
45244_5244	45244	5244	11.113	0.597	0.085	0.013	-0.927	-40.489	1
45244_5245	45244	5245	57.271	-3.228	-0.385	-0.477	11.916	-163.808	1
45245_5245	45245	5245	11.113	0.615	0.059	0.171	-0.095	-46.323	1
45245_5246	45245	5246	57.245	-3.159	-0.001	0.069	11.91	-131.724	1
45246_5246	45246	5246	11.113	0.615	0.022	-0.007	0.507	-52.557	1
45246_5247	45246	5247	57.244	-3.159	-0.195	-0.377	10.064	-101.769	1
45247_5247	45247	5247	11.112	0.622	0.007	0.189	0.714	-58.37	1
45247_5248	45247	5248	57.23	-3.088	-0.048	-0.106	9.62	-73.042	1
45248_5248	45248	5248	11.112	0.622	-0.027	-0.01	0.78	-64.149	1
45248_5249	45248	5249	57.23	-3.088	-0.225	-0.333	7.293	-41.137	1
45249_5249	45249	5249	11.113	0.62	-0.08	0.188	0.498	-70.557	1
45249_5250	45249	5250	57.221	-3.1	-0.149	-0.2	5.787	-9.785	1
45250_5250	45250	5250	11.113	0.62	-0.109	-0.011	-0.313	-76.829	1
45250_5251	45250	5251	57.22	-3.1	-0.298	-0.226	2.956	19.698	1
45251_5251	45251	5251	11.098	0.671	0.31	0.473	-1.351	-82.706	1
45251_5252	45251	5252	57.221	-5.605	-0.463	0.385	0.156	53.639	1
45252_5252	45252	5252	11.099	0.671	0.293	0.338	0.524	-86.764	1
45252_5253	45252	5253	57.22	-5.605	-0.552	0.469	-3.298	88.723	1
45253_5253	45253	5253	11.099	0.671	0.264	0.105	2.356	-91.07	1
45253_5254	45253	5254	57.219	-5.605	-0.7	0.692	-9.946	141.407	1
45254_5254	45254	5254	31.267	8.844	-0.532	5.236	-12.929	714.956	1
45254_5255	45254	5255	17.5	3.077	-0.128	1.1	-11.706	213.43	1
45255_5255	45255	5255	31.158	9.882	0.137	-0.868	-13.718	690.952	1
45255_5256	45255	5256	17.43	3.226	0.264	-0.29	-8.223	172.815	1
45256_5256	45256	5256	30.949	10.142	0.037	1.564	-12.024	553.665	1
45256_5257	45256	5257	17.359	3.591	0.198	0.556	-6.471	140.048	1
45257_5257	45257	5257	30.927	13.703	0.593	-0.755	-11.822	470.468	1
45257_5258	45257	5258	17.295	3.67	0.336	-0.246	-4.23	116.141	1
45258_5258	45258	5258	30.762	13.455	0.514	0.241	-7.761	375.956	1
45258_5259	45258	5259	17.249	3.883	0.295	0.082	-2.048	87.242	1
45259_5259	45259	5259	30.544	13.947	0.424	0.945	-3.945	288.737	1
45259_5260	45259	5260	17.185	4.159	0.244	0.27	-0.175	62.598	1
45260_5260	45260	5260	30.413	14.979	0.339	0.203	-0.665	181.567	1
45260_5261	45260	5261	17.142	4.239	0.179	0.011	0.887	37.543	1
45261_5261	45261	5261	30.278	15.018	0.229	0.523	1.377	96.028	1
45261_5262	45261	5262	17.103	4.394	0.117	0.139	1.637	9.394	1
45262_5262	45262	5262	30.185	15.203	0.194	0.52	2.845	-2.53	1
45262_5263	45262	5263	17.076	4.499	0.098	0.147	2.827	-46.781	1
45263_5263	45263	5263	30.185	17.813	0.276	1.162	5.21	-187.842	1
45263_5264	45263	5264	17.076	4.523	0.186	0.322	4.951	-98.423	1
45264_5264	45264	5264	30.186	17.813	0.189	0.038	8.358	-391.249	1
45264_5265	45264	5265	17.076	4.523	0.137	0.04	6.544	-151.042	1
45265_5265	45265	5265	30.186	22.644	0.352	2.351	10.557	-598.546	1
45265_5266	45265	5266	17.077	4.683	0.214	0.661	9.035	-205.654	1
45266_5266	45266	5266	30.188	20.657	0.233	-1.065	14.664	-862.571	1
45266_5267	45266	5267	17.077	4.683	0.146	-0.153	10.697	-259.014	1

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45267_5267	45267	5267	30.188	20.62	0.246	3.637	17.317	-1098.021	1
45267_5268	45267	5268	17.078	4.996	0.174	1.09	12.707	-316.682	1
45268_5268	45268	5268	30.189	-16.18	0.101	-2.75	20.151	-1335.947	1
45268_5269	45268	5269	17.079	4.996	0.093	-0.424	13.772	-374.168	1
45269_5269	45269	5269	30.194	-8.658	0.336	2.725	21.318	-1149.877	1
45269_5270	45269	5270	17.082	5.514	0.22	1.481	15.725	-423.065	1
45270_5270	45270	5270	30.195	-8.658	0.248	-0.379	24.293	-1073.154	1
45270_5271	45270	5271	17.082	5.514	0.171	0.257	17.233	-471.724	1
45271_5271	45271	5271	30.477	-44.814	0.183	-2.805	26.515	-1002.466	1
45271_5272	45271	5272	17.047	5.622	0.132	-0.913	18.074	-508.53	1
45272_5272	45272	5272	30.89	-43.626	1.126	1.281	27.08	-911.497	1
45272_5273	45272	5273	16.978	6.326	0.527	1.859	21.817	-553.045	1
45273_5273	45273	5273	31.376	-42.977	1.064	-0.304	35.027	-586.735	1
45273_5274	45273	5274	16.91	6.507	0.493	0.524	25.031	-595.662	1
45274_5274	45274	5274	32.102	-42.757	0.992	-1.556	41.963	-325.244	1
45274_5275	45274	5275	16.801	6.787	0.45	-1.278	29.993	-675.44	1
45275_5275	45275	5275	32.086	-30.73	-2.084	-0.89	53.146	136.348	1
45275_5276	45275	5276	16.478	9.45	-1.166	1.745	18.7	-768.75	1
45276_5276	45276	5276	32.636	-30.137	-2.207	0.303	32.742	439.111	1
45276_5277	45276	5277	16.297	9.75	-1.236	-1.735	6.66	-861.942	1
45277_5277	45277	5277	32.664	-26.167	-0.878	0.971	9.364	664.918	1
45277_5278	45277	5278	15.945	12.196	0.316	0.195	9.281	-956.456	1
45278_5278	45278	5278	10.229	0.705	-0.363	-0.287	-3.675	-20.158	1
45278_5279	45278	5279	64.576	-5.885	0.129	0.306	10.584	-315.547	1
45279_5279	45279	5279	10.228	0.705	-0.393	-0.324	-7.115	-25.712	1
45279_5280	45279	5280	64.576	-5.885	-0.064	-0.629	10.167	-269.928	1
45280_5280	45280	5280	10.237	0.676	0.202	0.122	-9.683	-30.325	1
45280_5281	45280	5281	64.58	-4.396	0.051	0.291	10.762	-218.672	1
45281_5281	45281	5281	10.237	0.676	0.175	0.022	-7.332	-38.213	1
45281_5282	45281	5282	64.58	-4.396	-0.118	-0.28	9.3	-164.125	1
45282_5282	45282	5282	10.24	0.608	0.275	0.138	-5.162	-51.918	1
45282_5283	45282	5283	64.575	-4.28	-0.593	0.174	1.949	-144.594	1
45283_5283	45283	5283	10.241	0.608	0.244	-0.047	-1.75	-59.456	1
45283_5284	45283	5284	64.572	-4.28	-0.794	-0.275	-7.329	-94.587	1
45284_5284	45284	5284	10.237	0.722	-0.162	0.159	1.096	-66.572	1
45284_5285	45284	5285	64.592	-3.874	0.419	-0.116	-2.606	-50.91	1
45285_5285	45285	5285	10.236	0.722	-0.186	-0.02	-0.73	-74.715	1
45285_5286	45285	5286	64.592	-3.874	0.265	-0.238	0.059	-11.9	1
45286_5286	45286	5286	10.232	0.735	0.106	0.225	-2.607	-81.981	1
45286_5287	45286	5287	64.595	-4.814	-0.241	-0.371	-2.687	43.034	1
45287_5287	45287	5287	10.232	0.735	0.07	-0.086	-1.403	-90.37	1
45287_5288	45287	5288	64.594	-4.814	-0.463	-0.223	-8	98.241	1
45288_5288	45288	5288	10.235	0.837	0.149	0.365	-0.597	-98.816	1
45288_5289	45288	5289	64.595	-11.391	-0.433	-1.006	-9.73	143.827	1
45289_5289	45289	5289	10.235	0.837	0.134	0.226	-0.001	-102.63	1
45289_5290	45289	5290	64.595	-11.391	-0.524	-0.826	-14.709	249.089	1
45290_5290	45290	5290	8.534	45.769	2.204	-1.99	3.156	14.784	1
45290_5291	45290	5291	1.068	-9.555	1.252	-1.226	15.12	-809.908	1
45291_5291	45291	5291	7.713	47.08	-2.019	1.079	21.541	-151.092	1
45291_5292	45291	5292	1.388	-7.867	-1.408	1.394	0.142	-732.139	1
45292_5292	45292	5292	6.57	41.985	-1.859	-0.828	-1.396	-384.479	1
45292_5293	45292	5293	1.569	-7.832	-1.415	-1.372	-13.456	-655.985	1
45293_5293	45293	5293	6.161	48.699	0.375	2.555	-19.127	-584.364	1
45293_5294	45293	5294	1.81	-5.415	0.31	1.654	-11.301	-616.59	1
45294_5294	45294	5294	5.552	17.809	0.215	0.271	-10.347	79.574	1
45294_5295	45294	5295	1.908	-5.44	0.317	0.289	-9.207	-582.865	1
45295_5295	45295	5295	5.379	15.002	0.177	0.31	-7.823	-2.127	1
45295_5296	45295	5296	1.968	-5.419	0.313	-1.039	-6.639	-538.426	1
45296_5296	45296	5296	5.375	17.129	0.167	0.686	-6.368	-125.199	1
45296_5297	45296	5297	1.969	-4.324	0.164	1.061	-5.958	-520.539	1
45297_5297	45297	5297	5.375	17.129	0.16	0.499	-5.676	-197.702	1
45297_5298	45297	5298	1.969	-4.324	0.162	0.495	-4.459	-481.014	1
45298_5298	45298	5298	5.376	17.129	0.148	-0.349	-4.19	-356.369	1
45298_5299	45298	5299	1.97	-4.324	0.157	-0.65	-3.019	-441.384	1
45299_5299	45299	5299	5.375	21.54	0.015	1.791	-2.837	-513.364	1
45299_5300	45299	5300	1.969	-3.64	0.028	0.914	-2.693	-398.942	1
45300_5300	45300	5300	5.375	21.54	-0.006	-1.174	-2.659	-764.646	1
45300_5301	45300	5301	1.969	-3.64	0.02	-0.633	-2.441	-353.824	1
45301_5301	45301	5301	5.376	28.84	0.076	2.859	-2.727	-1031.697	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45301_5302	45301	5302	1.97	-3.09	0.054	0.672	-1.768	-315.196	1
45302_5302	45302	5302	5.376	22.556	0.055	-2.493	-1.78	-1392.442	1
45302_5303	45302	5303	1.97	-3.09	0.046	-0.539	-1.234	-279.529	1
45303_5303	45303	5303	5.376	10.279	0.021	3.859	-1.145	-1652.88	1
45303_5304	45303	5304	1.97	-2.748	0.045	0.56	-0.646	-243.783	1
45304_5304	45304	5304	5.376	-7.018	-0.003	-3.896	-0.878	-1786.635	1
45304_5305	45304	5305	1.97	-2.748	0.037	-0.498	-0.241	-213.421	1
45305_5305	45305	5305	5.377	3.749	0.096	3.124	-0.909	-1709.322	1
45305_5306	45305	5306	1.971	-2.521	0.07	0.354	0.597	-183.047	1
45306_5306	45306	5306	5.377	-33.051	0.079	-2.581	0.251	-1754.522	1
45306_5307	45306	5307	1.971	-2.521	0.063	-0.241	1.353	-152.836	1
45307_5307	45307	5307	5.378	-24.182	0.049	2.42	1.195	-1358.317	1
45307_5308	45307	5308	1.971	-2.4	0.034	0.301	1.759	-124.317	1
45308_5308	45308	5308	5.379	-24.182	0.028	-1.82	1.78	-1070.983	1
45308_5309	45308	5309	1.971	-2.4	0.026	-0.191	2.08	-95.1	1
45309_5309	45309	5309	5.381	-18.471	0.245	1.303	2.119	-776.679	1
45309_5310	45309	5310	1.977	-2.271	0.534	0.144	8.518	-67.744	1
45310_5310	45310	5310	5.382	-18.471	0.225	-0.751	5.069	-554.135	1
45310_5311	45310	5311	1.979	-2.271	0.527	-0.108	14.841	-40.495	1
45311_5311	45311	5311	5.378	-15.665	-0.32	0.109	7.766	-332.551	1
45311_5312	45311	5312	1.969	-2.221	-0.629	-0.156	6.914	-12.511	1
45312_5312	45312	5312	5.377	-15.665	-0.345	-0.526	3.737	-135.163	1
45312_5313	45312	5313	1.966	-2.221	-0.638	-0.214	0	11.544	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
5000_5000	5000	5000	-0.498	-2.307	-0.003	-0.018	0	-1.662	1
5000_5001	5000	5001	-2.43	2.396	-0.041	0.012	-0.518	-18.637	1
5001_5001	5001	5001	-48.403	13.279	-0.033	-0.058	-0.411	-371.964	1
5001_5002	5001	5002	-4.432	2.499	-0.031	0.009	-0.7	-34.38	1
5002_5002	5002	5002	-72.471	11.307	0.042	0.099	-0.887	-555.397	1
5002_5003	5002	5003	-6.985	2.57	0.031	0.012	-0.24	-53.924	1
5003_5003	5003	5003	-96.661	-1.228	0.045	-0.137	-0.394	-739.169	1
5003_5004	5003	5004	-9.551	2.585	0.027	-0.007	0.127	-73.577	1
5004_5004	5004	5004	-109.13	0.647	-0.005	0.068	0.186	-834.266	1
5004_5005	5004	5005	-12.113	2.573	-0.003	0.012	0.091	-92.986	1
5005_5005	5005	5005	-121.408	-6.586	-0.006	-0.113	0.144	-927.612	1
5005_5006	5005	5006	-14.676	2.573	-0.003	-0.007	0.054	-112.409	1
5006_5006	5006	5006	-125.012	-2.596	0.005	0.157	0.082	-955.012	1
5006_5007	5006	5007	-17.259	2.596	0.003	0.024	0.084	-131.985	1
5007_5007	5007	5007	-131.591	-9.458	0.005	-0.196	0.156	-1004.816	1
5007_5008	5007	5008	-19.842	2.598	0.002	-0.024	0.114	-151.611	1
5008_5008	5008	5008	-130.519	-5.131	-0.003	0.163	0.232	-996.559	1
5008_5009	5008	5009	-22.478	2.648	-0.001	0.029	0.105	-171.593	1
5009_5009	5009	5009	-133.079	-11.922	-0.003	-0.195	0.206	-1015.788	1
5009_5010	5009	5010	-25.121	2.662	-0.001	-0.034	0.096	-191.845	1
5010_5010	5010	5010	-128.336	-7.755	0.006	-0.009	0.174	-979.645	1
5010_5011	5010	5011	-27.877	2.769	0.002	-0.004	0.118	-212.736	1
5011_5011	5011	5011	-128.237	-27.25	0.006	-0.01	0.237	-979.076	1
5011_5012	5011	5012	-30.633	2.769	0.002	-0.004	0.14	-233.622	1
5012_5012	5012	5012	-120.819	-23.569	-0.013	0.047	0.307	-922.659	1
5012_5013	5012	5013	-33.599	2.978	0	0.014	0.134	-256.1	1
5013_5013	5013	5013	-116.93	-30.149	-0.013	-0.083	0.153	-892.991	1
5013_5014	5013	5014	-36.568	2.99	-0.001	-0.027	0.124	-278.664	1
5014_5014	5014	5014	-105.864	-28.335	0.024	0.027	0.01	-808.937	1
5014_5015	5014	5015	-40.881	3.258	0.004	0.014	0.197	-311.353	1
5015_5015	5015	5015	-101.664	-36.12	0.014	-0.045	0.253	-731.596	1
5015_5016	5015	5016	-45.896	3.162	0.003	-0.02	0.163	-337.122	1
5016_5016	5016	5016	-88.706	-19.648	-0.008	0.022	0.319	-657.427	1
5016_5017	5016	5017	-45.566	3.693	-0.003	0.016	0.129	-371.992	1
5017_5017	5017	5017	-69.662	-26.227	-0.008	-0.041	0.201	-589.319	1
5017_5018	5017	5018	-41.419	3.679	-0.003	-0.027	0.082	-418.683	1
5018_5018	5018	5018	-42.898	-28.974	0.002	0.007	0.09	-458.236	1
5018_5019	5018	5019	-36.768	4.266	0.003	0.022	0.12	-469.66	1
5019_5019	5019	5019	-21.3	-35.14	0.001	-0.03	0.097	-318.792	1
5019_5020	5019	5020	-39.007	30.021	0.002	-0.01	-0.205	-584.672	1
5020_5020	5020	5020	-62.579	-6.456	-0.018	0.004	0.468	-210.11	1
5020_5021	5020	5021	-24.103	-17.991	0.004	0.009	0.031	-230.751	1
5021_5021	5021	5021	-68.341	-9.773	-0.012	0.005	0.22	-276.662	1
5021_5022	5021	5022	-14.001	-14.966	0.003	0.003	0.066	-151.094	1
5022_5022	5022	5022	-72.436	-7.974	-0.007	-0.027	0.106	-344.61	1
5022_5023	5022	5023	-4.613	-0.684	-0.001	-0.007	0.134	-62.614	1
5023_5023	5023	5023	-74.977	-7.695	-0.004	-0.009	0.044	-384.06	1
5023_5024	5023	5024	-4.144	-0.628	-0.002	-0.003	0.117	-59.468	1
5024_5024	5024	5024	-78.624	-12.05	-0.006	0.047	0.005	-429.57	1
5024_5025	5024	5025	-3.675	-0.628	-0.001	0.005	0.107	-56.325	1
5025_5025	5025	5025	-79.664	-16.879	-0.001	-0.061	-0.04	-455.225	1
5025_5026	5025	5026	-3.205	-0.628	-0.003	-0.009	0.084	-53.179	1
5026_5026	5026	5026	-78.41	-14.322	-0.003	0.007	-0.047	-460.965	1
5026_5027	5026	5027	-2.865	-0.607	-0.003	-0.001	0.068	-50.898	1
5027_5027	5027	5027	-79.923	-17.959	-0.002	0.018	-0.062	-479.228	1
5027_5028	5027	5028	-2.525	-0.606	-0.003	0	0.053	-49.615	1
5028_5028	5028	5028	-80.136	-21.88	-0.002	0.013	-0.069	-486.297	1
5028_5029	5028	5029	-2.185	-0.606	-0.003	-0.001	0.036	-47.338	1
5029_5029	5029	5029	-78.504	-16.062	0.002	-0.057	-0.054	-476.35	1
5029_5030	5029	5030	-1.846	-0.604	-0.004	-0.008	0.013	-46.324	1
5030_5030	5030	5030	-76.435	-11.898	0.002	0.031	-0.035	-457.059	1
5030_5031	5030	5031	-2.069	0.461	0.002	0	0.003	19.386	1
5031_5031	5031	5031	-76.877	-17.133	0.004	-0.017	-0.01	-450.017	1
5031_5032	5031	5032	-2.439	0.516	0.003	0.002	0.028	18.686	1
5032_5032	5032	5032	-74.886	-21.966	0.005	-0.013	0.036	-423.052	1
5032_5033	5032	5033	-2.849	0.578	0.003	0.003	0.057	17.502	1
5033_5033	5033	5033	-70.229	-21.646	0.007	0.005	0.095	-376.383	1
5033_5034	5033	5034	-11.952	15.421	-0.003	0.008	0.086	-145.024	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5034_5034	5034	5034	-66.646	-26.042	0.008	0.007	0.171	-335.809	1
5034_5035	5034	5035	-24.329	18.516	-0.003	0.008	0.036	-217.707	1
5035_5035	5035	5035	-59.947	-24.334	0.017	-0.019	0.367	-269.802	1
5035_5036	5035	5036	-40.936	25.35	-0.006	-0.016	-0.083	-349.616	1
5036_5036	5036	5036	-12.626	-2.609	0	0.007	-0.187	-122.896	1
5036_5037	5036	5037	-51.784	-19.929	-0.006	0.056	-0.479	-435.205	1
5037_5037	5037	5037	-14.096	-0.725	-0.002	-0.04	0.176	-291.728	1
5037_5038	5037	5038	-44.013	-15.611	-0.001	-0.074	-0.466	-285.953	1
5038_5038	5038	5038	-30.145	-2.824	0.005	0.048	0.178	-415.548	1
5038_5039	5038	5039	-33.769	-12	0.001	0.005	-0.416	-162.923	1
5039_5039	5039	5039	-51.179	-9.233	0.002	-0.05	0.278	-521.183	1
5039_5040	5039	5040	-27.7	-4.45	0.004	-0.029	0.328	-273.242	1
5040_5040	5040	5040	-63.234	-7.698	-0.008	0.027	0.338	-568.291	1
5040_5041	5040	5041	-25.765	-3.707	-0.007	0.014	0.267	-251.712	1
5041_5041	5041	5041	-81.142	-12.817	-0.005	-0.011	0.135	-571.813	1
5041_5042	5041	5042	-24.123	-3.584	-0.004	-0.004	0.066	-196.397	1
5042_5042	5042	5042	-86.871	-10.628	0.002	-0.001	0.075	-609.959	1
5042_5043	5042	5043	-20.411	-3.124	0.001	0	0.082	-172.219	1
5043_5043	5043	5043	-95.565	-17.244	0.002	0	0.098	-662.395	1
5043_5044	5043	5044	-16.738	-3.068	0.001	0	0.097	-147.769	1
5044_5044	5044	5044	-97.878	-2.209	-0.001	-0.003	0.124	-668.628	1
5044_5045	5044	5045	-13.722	2.667	-0.001	0.001	0.065	-85.449	1
5045_5045	5045	5045	-104.944	-9.727	0	0.002	0.114	-708.886	1
5045_5046	5045	5046	-17.009	2.851	-0.001	0.001	0.059	-110.185	1
5046_5046	5046	5046	-102.881	-5.639	0	0.044	0.114	-694.571	1
5046_5047	5046	5047	-20.456	2.939	0	0.009	0.06	-133.052	1
5047_5047	5047	5047	-105.575	-13.136	-0.002	-0.05	0.106	-709.732	1
5047_5048	5047	5048	-23.975	2.981	0	-0.009	0.058	-155.848	1
5048_5048	5048	5048	-99.686	-9.066	-0.002	0.042	0.084	-673.203	1
5048_5049	5048	5049	-27.65	3.117	0	0.012	0.054	-180.102	1
5049_5049	5049	5049	-98.257	-16.529	-0.003	-0.05	0.062	-663.651	1
5049_5050	5049	5050	-31.37	3.154	-0.001	-0.014	0.045	-204.106	1
5050_5050	5050	5050	-89.808	-12.821	0.002	0.019	0.02	-610.389	1
5050_5051	5050	5051	-36.687	3.443	-0.001	0.01	0.023	-238.261	1
5051_5051	5051	5051	-79.495	-22.175	0.001	-0.063	0.054	-593.276	1
5051_5052	5051	5052	-36.644	3.389	-0.002	-0.027	0.012	-266.154	1
5052_5052	5052	5052	-70.17	-18.283	0.001	0.042	0.058	-543.555	1
5052_5053	5052	5053	-37.179	3.736	0.001	0.03	0.025	-299.463	1
5053_5053	5053	5053	-50.693	-24.988	0	-0.096	0.07	-532.727	1
5053_5054	5053	5054	-40.595	15.584	0.003	-0.011	-0.131	-272.776	1
5054_5054	5054	5054	-30.49	-27.859	0	0.021	0.069	-423.669	1
5054_5055	5054	5055	-47.182	18.636	0.001	0.066	-0.122	-423.96	1
5055_5055	5055	5055	-17.863	1.78	0.001	-0.006	-0.021	-87.958	1
5055_5056	5055	5056	-53.152	25.833	0.004	-0.046	-0.088	-627.644	1
5056_5056	5056	5056	-56.154	-6.432	-0.008	-0.002	0.222	-210.828	1
5056_5057	5056	5057	-17.966	-17.653	0.003	-0.003	0.001	-206.222	1
5057_5057	5057	5057	-63.561	-4.255	-0.007	0.028	0.114	-311.278	1
5057_5058	5057	5058	-7.514	-14.752	0.003	0.013	0.035	-135.346	1
5058_5058	5058	5058	-68.987	-8.354	-0.004	-0.056	0.054	-372.747	1
5058_5059	5058	5059	-5.374	-0.564	0	-0.012	0.081	-59.648	1
5059_5059	5059	5059	-72.04	-8.04	-0.007	0.108	0.021	-417.48	1
5059_5060	5059	5060	-5.012	-0.524	0	0.013	0.081	-56.897	1
5060_5060	5060	5060	-76.019	-12.465	-0.002	-0.074	-0.035	-467.958	1
5060_5061	5060	5061	-5.13	0.459	0.003	-0.001	0.065	-49.616	1
5061_5061	5061	5061	-77.456	-17.36	-0.002	-0.064	-0.052	-496.768	1
5061_5062	5061	5062	-5.449	0.471	0.003	-0.001	0.088	-49.521	1
5062_5062	5062	5062	-76.619	-14.614	-0.002	0.053	-0.066	-503.68	1
5062_5063	5062	5063	-5.706	0.495	0.002	0.013	0.1	-51.47	1
5063_5063	5063	5063	-78.273	-18.255	-0.001	0.074	-0.072	-523.771	1
5063_5064	5063	5064	-5.961	0.495	0.002	0.014	0.113	-53.415	1
5064_5064	5064	5064	-78.664	-22.17	0.001	-0.089	-0.075	-531.806	1
5064_5065	5064	5065	-6.218	0.495	0.002	-0.003	0.125	-55.363	1
5065_5065	5065	5065	-77.908	-16.144	0.002	-0.071	-0.052	-523.104	1
5065_5066	5065	5066	-6.474	0.495	0.002	-0.003	0.136	-57.311	1
5066_5066	5066	5066	-76.073	-11.74	0.002	0.031	-0.038	-502.39	1
5066_5067	5066	5067	-6.836	0.526	0.001	0.01	0.144	-58.763	1
5067_5067	5067	5067	-76.686	-17.011	0.002	0.034	-0.018	-494.825	1
5067_5068	5067	5068	-7.199	0.526	0.001	0.01	0.155	-61.517	1
5068_5068	5068	5068	-75.042	-21.893	0.004	-0.075	0.006	-465.603	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5068_5069	5068	5069	-7.562	0.526	0.001	-0.005	0.164	-64.275	1
5069_5069	5069	5069	-70.899	-21.436	0.003	0.061	0.052	-415.107	1
5069_5070	5069	5070	-7.949	0.58	-0.001	0.018	0.157	-66.143	1
5070_5070	5070	5070	-67.754	-25.934	0.007	-0.02	0.089	-370.883	1
5070_5071	5070	5071	-18.449	17.743	-0.002	0	0.03	-211.112	1
5071_5071	5071	5071	-62.107	-30.038	0.01	-0.042	0.184	-310.081	1
5071_5072	5071	5072	-34.583	23.052	-0.004	-0.017	-0.032	-331.2	1
5072_5072	5072	5072	-11.655	-0.111	-0.002	0.03	0.167	-132.275	1
5072_5073	5072	5073	-42.184	-20.536	-0.002	0.043	-0.26	-376.932	1
5073_5073	5073	5073	-15.66	-0.709	-0.003	-0.039	0.136	-302.846	1
5073_5074	5073	5074	-34.281	-14.023	0	-0.061	-0.233	-237.546	1
5074_5074	5074	5074	-31.518	-2.879	0	0.081	0.121	-430.405	1
5074_5075	5074	5075	-33.681	-3.447	-0.002	0.067	0.123	-319.88	1
5075_5075	5075	5075	-57.885	-9.406	-0.003	-0.063	0.093	-511.123	1
5075_5076	5075	5076	-37.088	-3.368	-0.002	-0.037	0.073	-270.431	1
5076_5076	5076	5076	-71.101	-7.679	0.002	0.047	0.068	-558.735	1
5076_5077	5076	5077	-35.54	-3.045	0.002	0.024	0.086	-253.29	1
5077_5077	5077	5077	-74.43	-12.398	0.001	-0.05	0.126	-623.861	1
5077_5078	5077	5078	-29.054	-2.963	0.003	-0.019	0.163	-222.013	1
5078_5078	5078	5078	-81.053	1.145	0.003	0.106	0.134	-670.6	1
5078_5079	5078	5079	-26.313	-2.758	-0.002	0.031	0.148	-198.565	1
5079_5079	5079	5079	-90.881	-5.848	0	-0.119	0.163	-738.659	1
5079_5080	5079	5080	-23.64	-2.678	-0.002	-0.031	0.126	-175.421	1
5080_5080	5080	5080	-93.73	-1.732	0	0.121	0.169	-756.561	1
5080_5081	5080	5081	-21.123	-2.535	-0.001	0.024	0.118	-153.262	1
5081_5081	5081	5081	-100.399	-8.689	-0.003	-0.125	0.166	-802.901	1
5081_5082	5081	5082	-18.695	-2.446	-0.001	-0.024	0.109	-131.618	1
5082_5082	5082	5082	-99.948	-4.202	0.001	0.001	0.131	-798.551	1
5082_5083	5082	5083	-16.247	-2.261	-0.001	-0.001	0.095	-107.064	1
5083_5083	5083	5083	-103.568	-11.671	0.001	-0.003	0.136	-824.745	1
5083_5084	5083	5084	-18.12	2.536	0	0	0.089	-139.823	1
5084_5084	5084	5084	-99.513	-19.219	0	0.099	0.146	-795.378	1
5084_5085	5084	5085	-20.652	2.63	0.001	0.025	0.098	-161.135	1
5085_5085	5085	5085	-99.807	-25.885	-0.003	-0.133	0.144	-797.491	1
5085_5086	5085	5086	-23.234	2.673	0	-0.027	0.102	-182.047	1
5086_5086	5086	5086	-92.961	-21.963	-0.003	0.093	0.113	-748.745	1
5086_5087	5086	5087	-25.94	2.798	-0.002	0.033	0.085	-203.329	1
5087_5087	5087	5087	-90.078	-28.656	-0.006	-0.122	0.079	-729.436	1
5087_5088	5087	5088	-28.685	2.833	-0.002	-0.034	0.06	-225.005	1
5088_5088	5088	5088	-81.013	-13.758	0.004	0.043	0.019	-667.167	1
5088_5089	5088	5089	-32.286	3.033	0.001	0.02	0.073	-252.774	1
5089_5089	5089	5089	-73.439	-21.935	0.001	-0.099	0.059	-651.148	1
5089_5090	5089	5090	-33.032	3.014	0.001	-0.042	0.07	-283.937	1
5090_5090	5090	5090	-64.341	-18.041	0.002	0.087	0.07	-594.764	1
5090_5091	5090	5091	-33.108	3.404	0.001	0.06	0.083	-317.514	1
5091_5091	5091	5091	-50.014	-24.849	-0.001	-0.1	0.082	-549.756	1
5091_5092	5091	5092	-34.55	14.954	0.005	-0.009	-0.144	-251.108	1
5092_5092	5092	5092	-29.303	-27.603	0.002	0.008	0.071	-431.695	1
5092_5093	5092	5093	-41.312	19.631	0.002	0.033	-0.134	-391.766	1
5093_5093	5093	5093	-12.563	2.072	0.001	-0.002	0.002	-83.558	1
5093_5094	5093	5094	-47.917	25.747	0.003	-0.016	-0.108	-590.11	1
5094_5094	5094	5094	-54.436	-6.392	-0.01	0.013	0.237	-212.539	1
5094_5095	5094	5095	-17.19	-17.222	0	0.016	0.024	-206.68	1
5095_5095	5095	5095	-59.541	-4.248	-0.008	0.011	0.148	-318.243	1
5095_5096	5095	5096	-6.626	-0.504	0	0	0.107	-59.921	1
5096_5096	5096	5096	-64.449	-8.443	-0.002	-0.073	0.083	-381.573	1
5096_5097	5096	5097	-6.312	-0.504	0	-0.014	0.111	-57.271	1
5097_5097	5097	5097	-67.071	-7.97	-0.003	0.021	0.061	-427.031	1
5097_5098	5097	5098	-6.013	-0.467	-0.005	0.001	0.074	-54.736	1
5098_5098	5098	5098	-70.673	-12.471	-0.003	0.028	0.032	-479.426	1
5098_5099	5098	5099	-5.713	-0.467	-0.005	0.001	0.037	-52.201	1
5099_5099	5099	5099	-71.884	-17.469	0	-0.085	0.01	-509.03	1
5099_5100	5099	5100	-5.414	-0.467	-0.005	-0.012	-0.001	-49.669	1
5100_5100	5100	5100	-70.94	-14.424	0.001	-0.128	0.008	-515.286	1
5100_5101	5100	5101	-5.199	-0.445	-0.001	-0.018	-0.006	-47.855	1
5101_5101	5101	5101	-72.53	-18.113	0.004	-0.321	0.015	-536.778	1
5101_5102	5101	5102	-4.985	-0.445	-0.001	-0.034	-0.011	-46.041	1
5102_5102	5102	5102	-72.934	-22.095	-0.006	0.352	0.039	-545.59	1
5102_5103	5102	5103	-4.77	-0.445	0	0.027	-0.014	-44.228	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5103_5103	5103	5103	-72.334	-16.271	-0.001	0.147	0.032	-536.975	1
5103_5104	5103	5104	-4.687	0.518	0.004	0.022	0.116	-56.742	1
5104_5104	5104	5104	-70.673	-11.515	0	0.076	0.032	-515.512	1
5104_5105	5104	5105	-5.032	0.537	0.003	0.014	0.141	-59.662	1
5105_5105	5105	5105	-71.516	-16.914	0.002	-0.036	0.04	-509.222	1
5105_5106	5105	5106	-5.377	0.537	0.003	0	0.164	-62.578	1
5106_5106	5106	5106	-70.204	-21.911	0.003	-0.031	0.069	-479.599	1
5106_5107	5106	5107	-5.722	0.537	0.003	0	0.186	-65.498	1
5107_5107	5107	5107	-66.494	-21.293	0.004	0.014	0.107	-427.12	1
5107_5108	5107	5108	-6.213	14.892	0	0.017	0.056	-137.703	1
5108_5108	5108	5108	-63.781	-25.933	0.004	0.021	0.153	-381.579	1
5108_5109	5108	5109	-15.964	17.232	0	0.018	0.035	-211.631	1
5109_5109	5109	5109	-60.382	-30.056	0.008	-0.033	0.185	-310.292	1
5109_5110	5109	5110	-32.461	22.406	-0.002	-0.021	-0.023	-324.001	1
5110_5110	5110	5110	-11.234	-1.404	-0.001	0.006	-0.052	-81.754	1
5110_5111	5110	5111	-41.918	-19.403	-0.003	0.046	-0.274	-387.681	1
5111_5111	5111	5111	-15.635	-0.876	-0.003	-0.038	0.138	-306.936	1
5111_5112	5111	5112	-35.187	-12.999	0	-0.057	-0.249	-252.565	1
5112_5112	5112	5112	-30.954	-2.984	0.004	0.047	0.108	-433.738	1
5112_5113	5112	5113	-32.545	-3.688	0.001	0.041	0.184	-324.565	1
5113_5113	5113	5113	-51.599	-9.82	0.001	-0.065	0.137	-539.955	1
5113_5114	5113	5114	-32.934	-3.583	0.001	-0.039	0.156	-284.98	1
5114_5114	5114	5114	-62.628	-8.113	-0.007	0.019	0.17	-585.103	1
5114_5115	5114	5115	-31.364	-3.273	-0.003	0.011	0.125	-263.696	1
5115_5115	5115	5115	-78.823	-12.756	-0.006	-0.006	0.097	-572.551	1
5115_5116	5115	5116	-30.281	-3.294	-0.003	-0.003	0.063	-208.853	1
5116_5116	5116	5116	-83.535	-10.733	0.005	0.03	0.001	-605.628	1
5116_5117	5116	5117	-27.069	-3.042	0.001	0.011	0.076	-186.479	1
5117_5117	5117	5117	-91.3	-17.182	0.005	-0.037	0.059	-655.501	1
5117_5118	5117	5118	-23.9	-2.985	0.001	-0.01	0.084	-163.823	1
5118_5118	5118	5118	-92.997	-1.996	-0.004	0.035	0.113	-661.685	1
5118_5119	5118	5119	-20.855	-2.889	-0.001	0.007	0.07	-142.857	1
5119_5119	5119	5119	-99.51	-9.208	-0.005	-0.04	0.068	-702.453	1
5119_5120	5119	5120	-17.88	-2.785	-0.001	-0.009	0.056	-119.761	1
5120_5120	5120	5120	-98.125	-4.446	0.003	0.104	0.015	-693.467	1
5120_5121	5120	5121	-14.829	-2.615	-0.001	0.014	0.049	-95.372	1
5121_5121	5121	5121	-102.057	-22.789	0	-0.114	0.052	-718.752	1
5121_5122	5121	5122	-11.974	-2.43	-0.001	-0.015	0.041	-71.889	1
5122_5122	5122	5122	-96.983	-18.867	-0.001	0.029	0.051	-686.17	1
5122_5123	5122	5123	-13.613	1.735	0	0.005	0.023	-96.426	1
5123_5123	5123	5123	-96.793	-25.739	-0.002	-0.041	0.035	-685.827	1
5123_5124	5123	5124	-15.471	1.839	0	-0.006	0.027	-113.502	1
5124_5124	5124	5124	-88.679	-21.645	0	0.053	0.012	-635.646	1
5124_5125	5124	5125	-17.496	1.974	0	0.014	0.022	-129.361	1
5125_5125	5125	5125	-85.115	-28.547	-0.002	-0.072	0.015	-615.33	1
5125_5126	5125	5126	-19.594	2.037	-0.001	-0.016	0.01	-145.942	1
5126_5126	5126	5126	-74.435	-14.022	0	0.025	-0.014	-553.671	1
5126_5127	5126	5127	-22.467	2.309	0	0.01	0.011	-168.042	1
5127_5127	5127	5127	-70.427	-22.272	-0.002	-0.037	-0.023	-519.94	1
5127_5128	5127	5128	-26.594	8.374	0	-0.002	-0.023	-104.649	1
5128_5128	5128	5128	-60.499	-18.061	0.001	0.032	-0.03	-468.63	1
5128_5129	5128	5129	-35.395	11.361	0	0.019	-0.038	-180.804	1
5129_5129	5129	5129	-41.715	-25.003	-0.003	-0.078	-0.048	-458.382	1
5129_5130	5129	5130	-42.536	16.603	0.003	-0.022	-0.01	-312.327	1
5130_5130	5130	5130	-22.491	-26.864	0.011	0.011	-0.099	-349.332	1
5130_5131	5130	5131	-49.258	20.57	-0.002	0.029	-0.018	-458.242	1
5131_5131	5131	5131	-14.402	2.402	0.001	-0.007	0.032	-113.728	1
5131_5132	5131	5132	-55.288	27.087	-0.002	-0.027	-0.054	-655.088	1
5132_5132	5132	5132	-53.311	-5.864	0.009	-0.059	0.013	-172.161	1
5132_5133	5132	5133	-19.919	-16.323	-0.001	-0.057	-0.034	-202.713	1
5133_5133	5133	5133	-60.822	-3.882	0.01	-0.135	0.072	-261.264	1
5133_5134	5133	5134	-10.813	-13.938	-0.003	-0.073	-0.053	-125.678	1
5134_5134	5134	5134	-66.408	-8.173	-0.019	0.313	0.131	-318.13	1
5134_5135	5134	5135	-5.526	0.232	-0.005	0.026	-0.031	-28.069	1
5135_5135	5135	5135	-69.496	-7.107	0.003	0.02	-0.031	-359.159	1
5135_5136	5135	5136	-5.748	0.305	0.001	0.001	-0.024	-31.565	1
5136_5136	5136	5136	-74.137	-11.719	0.006	-0.035	-0.007	-409.717	1
5136_5137	5136	5137	-5.973	0.305	0.001	-0.003	-0.015	-33.101	1
5137_5137	5137	5137	-75.79	-16.84	0.003	0.028	0.036	-438.085	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5137_5138	5137	5138	-6.198	0.317	0.001	0.002	-0.007	-35.406	1
5138_5138	5138	5138	-74.716	-13.63	-0.003	0.038	0.06	-443.999	1
5138_5139	5138	5139	-6.39	0.353	0	0.003	-0.008	-37.648	1
5139_5139	5139	5139	-76.688	-17.412	-0.001	-0.045	0.041	-465.259	1
5139_5140	5139	5140	-6.594	0.382	0	-0.004	-0.008	-40.826	1
5140_5140	5140	5140	-77.196	-21.512	-0.002	0.045	0.033	-474.46	1
5140_5141	5140	5141	-6.805	0.382	0	0.004	-0.008	-42.27	1
5141_5141	5141	5141	-75.667	-16.566	0	-0.045	0.017	-468.986	1
5141_5142	5141	5142	-7.022	0.411	0	-0.005	-0.009	-45.732	1
5142_5142	5142	5142	-73.356	-11.575	0	0.002	0.014	-448.953	1
5142_5143	5142	5143	-7.353	0.449	0	0	-0.006	-48.17	1
5143_5143	5143	5143	-73.953	-17.105	0	0.002	0.02	-444.478	1
5143_5144	5143	5144	-7.706	0.501	0	0	-0.004	-53.824	1
5144_5144	5144	5144	-71.829	-22.233	0	0.002	0.023	-417.441	1
5144_5145	5144	5145	-8.099	0.539	0	0	-0.001	-59.011	1
5145_5145	5145	5145	-66.735	-21.658	-0.001	-0.008	0.025	-368.111	1
5145_5146	5145	5146	-9.567	14.17	0.002	-0.011	0.001	-131.676	1
5146_5146	5146	5146	-62.784	-26.389	-0.001	-0.01	0.014	-325.358	1
5146_5147	5146	5147	-21.025	18.212	0.002	-0.01	0.013	-197.679	1
5147_5147	5147	5147	-55.402	-30.763	-0.004	0.036	0.005	-270.122	1
5147_5148	5147	5148	-37.521	25.011	0.003	0.023	0.035	-325.014	1
5148_5148	5148	5148	-19.467	-1.567	0	0.007	0.007	-122.006	1
5148_5149	5148	5149	-56.224	-17.691	0	0.028	-0.031	-410.953	1
5149_5149	5149	5149	-19.74	-1.98	0	-0.008	0.002	-103.247	1
5149_5150	5149	5150	-49.696	-12.474	0.002	-0.026	-0.002	-274.41	1
5150_5150	5150	5150	-24.411	-3.317	0	0.009	0.002	-384.727	1
5150_5151	5150	5151	-41.411	-9.354	-0.001	0.003	-0.013	-162.587	1
5151_5151	5151	5151	-48.548	-9.852	0	-0.004	0	-448.783	1
5151_5152	5151	5152	-33.642	-7.765	0	-0.002	-0.011	-90.788	1
5152_5152	5152	5152	-58.84	-8.179	0	0.001	-0.001	-481.589	1
5152_5153	5152	5153	-27.76	-6.861	0	0	-0.01	-54.356	1
5153_5153	5153	5153	-71.394	-12.683	0	0.001	0.001	-499.182	1
5153_5154	5153	5154	-21.124	-3.383	0	0	0.034	-157.077	1
5154_5154	5154	5154	-74.657	-11.002	0	0.001	0.005	-523.697	1
5154_5155	5154	5155	-17.492	-3.131	0	0	0.031	-132.562	1
5155_5155	5155	5155	-81.47	-17.492	0	0.001	0.007	-564.812	1
5155_5156	5155	5156	-13.999	-2.983	0	0	0.028	-108.067	1
5156_5156	5156	5156	-81.788	-14.383	0.001	0.001	0.009	-567.33	1
5156_5157	5156	5157	-11.036	-2.716	0	0	0.028	-84.249	1
5157_5157	5157	5157	-85.79	-20.543	0.001	0.002	0.017	-590.159	1
5157_5158	5157	5158	-8.378	-2.394	0	0	0.027	-61.386	1
5158_5158	5158	5158	-83.417	-16.896	-0.002	-0.016	0.027	-576.537	1
5158_5159	5158	5159	-9.927	2.076	0	-0.002	0.032	-67.414	1
5159_5159	5159	5159	-85.327	-13.156	0	0.02	0.013	-588.188	1
5159_5160	5159	5160	-12.175	2.28	0	0.003	0.035	-86.338	1
5160_5160	5160	5160	-81.123	-9.088	-0.001	0.001	0.019	-564.551	1
5160_5161	5160	5161	-14.939	2.524	0	0	0.034	-109.419	1
5161_5161	5161	5161	-80.563	-16.203	-0.001	0.001	0.012	-561.053	1
5161_5162	5161	5162	-18.912	5.472	0	0	-0.014	-12.756	1
5162_5162	5162	5162	-73.54	-12.808	0.003	0.009	0	-519.135	1
5162_5163	5162	5163	-28.329	7.472	0	0.001	-0.014	-58.763	1
5163_5163	5163	5163	-66.361	-21.169	0.002	-0.019	0.049	-508.281	1
5163_5164	5163	5164	-34.485	8.845	0.001	-0.002	-0.005	-97.557	1
5164_5164	5164	5164	-58.018	-17.502	-0.003	-0.018	0.071	-466.294	1
5164_5165	5164	5165	-43.662	11.133	0	-0.007	-0.01	-168.105	1
5165_5165	5165	5165	-42.427	-24.149	-0.001	0.029	0.048	-451.136	1
5165_5166	5165	5166	-52.534	14.815	-0.002	0.012	-0.039	-282.912	1
5166_5166	5166	5166	-22.811	-27.146	0.001	0.007	0.022	-354.204	1
5166_5167	5166	5167	-59.551	19.176	-0.001	0.022	-0.049	-421.313	1
5167_5167	5167	5167	-21.502	1.909	0.001	-0.005	-0.018	-119.779	1
5167_5168	5167	5168	-65.628	23.707	0.001	-0.02	-0.042	-611.379	1
5168_5168	5168	5168	-49.747	-5.47	-0.002	0.008	0.039	-168.819	1
5168_5169	5168	5169	-22.245	-19.07	0	0.016	0.014	-203.293	1
5169_5169	5169	5169	-59.41	-3.265	0.001	-0.022	0.015	-257.029	1
5169_5170	5169	5170	-11.14	-14.834	-0.001	-0.015	0.007	-128.862	1
5170_5170	5170	5170	-66.534	-7.359	-0.001	0.02	0.018	-314.787	1
5170_5171	5170	5171	-8.506	-0.717	0.001	0.003	-0.014	-67.12	1
5171_5171	5171	5171	-71.117	-7.084	0.001	-0.029	0.014	-357.73	1
5171_5172	5171	5172	-8.014	-0.589	0	-0.005	-0.012	-58.619	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5172_5172	5172	5172	-76.782	-11.549	0	0.018	0.015	-406.386	1
5172_5173	5172	5173	-7.553	-0.589	0	0.003	-0.01	-55.753	1
5173_5173	5173	5173	-79.464	-16.51	0	0.016	0.01	-434.83	1
5173_5174	5173	5174	-7.129	-0.503	0	0.003	-0.008	-47.937	1
5174_5174	5174	5174	-79.392	-13.791	0	-0.034	0.007	-442.703	1
5174_5175	5174	5175	-6.853	-0.469	0	-0.004	-0.006	-46.224	1
5175_5175	5175	5175	-81.893	-17.493	0	0.042	0.006	-462.587	1
5175_5176	5175	5176	-6.578	-0.467	0	0.005	-0.003	-44.355	1
5176_5176	5176	5176	-83.533	-12.158	0.001	-0.042	-0.001	-470.838	1
5176_5177	5176	5177	-6.318	-0.438	0	-0.003	-0.001	-40.947	1
5177_5177	5177	5177	-83.009	-16.166	0	0.042	0.003	-462.912	1
5177_5178	5177	5178	-6.06	-0.438	0	0.004	0.002	-39.348	1
5178_5178	5178	5178	-80.931	-11.832	0	0.016	0	-443.501	1
5178_5179	5178	5179	-5.758	-0.368	0	0.002	0.002	-34.956	1
5179_5179	5179	5179	-81.53	-17.18	0	0.017	-0.003	-436.108	1
5179_5180	5179	5180	-5.474	-0.356	0	0.002	0.001	-32.52	1
5180_5180	5180	5180	-79.37	-22.131	0.001	-0.035	-0.005	-408.251	1
5180_5181	5180	5181	-5.195	-0.356	0	-0.002	0.001	-30.787	1
5181_5181	5181	5181	-74.208	-21.861	0	0.018	0.003	-360.176	1
5181_5182	5181	5182	-12.237	14.875	0	0.003	0.002	-126.755	1
5182_5182	5182	5182	-70.045	-26.371	0.001	-0.022	0.003	-317.436	1
5182_5183	5182	5183	-24.354	17.34	-0.001	-0.014	-0.002	-197.426	1
5183_5183	5183	5183	-63.262	-30.5	-0.001	0.015	0.015	-260.418	1
5183_5184	5183	5184	-42.426	22.813	0	0.015	-0.005	-319.667	1
5184_5184	5184	5184	-14.239	-2.258	0	-0.007	0.026	-111.742	1
5184_5185	5184	5185	-55.895	-20.145	0	-0.026	0.025	-420.333	1
5185_5185	5185	5185	-14.159	-2.483	-0.001	0.002	0.023	-88.64	1
5185_5186	5185	5186	-47.156	-14.291	-0.001	0.018	0.015	-269.592	1
5186_5186	5186	5186	-28.639	-2.484	0.001	-0.008	0.002	-350.493	1
5186_5187	5186	5187	-36.48	-11.223	-0.002	-0.009	-0.007	-149.211	1
5187_5187	5187	5187	-53.179	-8.776	0.001	0.011	0.016	-435.473	1
5187_5188	5187	5188	-26.88	-3.285	0.001	0.006	0.027	-189.066	1
5188_5188	5188	5188	-66.417	-7.702	0	0.003	0.033	-481.445	1
5188_5189	5188	5189	-25.086	-2.858	0	0.002	0.028	-171.357	1
5189_5189	5189	5189	-77.461	-12.193	0	0.002	0.034	-536.983	1
5189_5190	5189	5190	-21.545	-2.793	0	0.001	0.028	-146.744	1
5190_5190	5190	5190	-83.497	-11.149	0.001	0.003	0.045	-577.074	1
5190_5191	5190	5191	-18.62	-2.55	0	0.001	0.029	-126.332	1
5191_5191	5191	5191	-91.551	-17.433	0.001	0.003	0.062	-626.156	1
5191_5192	5191	5192	-15.809	-2.393	0	0.001	0.028	-104.376	1
5192_5192	5192	5192	-93.365	-14.85	0	0.004	0.078	-636.692	1
5192_5193	5192	5193	-13.44	-2.283	0.001	0.001	0.036	-88.127	1
5193_5193	5193	5193	-98.26	-10.133	0	0.004	0.089	-663.81	1
5193_5194	5193	5194	-14.538	2.279	0.001	0.002	0.095	-79.159	1
5194_5194	5194	5194	-96.688	-6.702	0.001	0.004	0.096	-654.448	1
5194_5195	5194	5195	-17.021	2.546	0.001	0.002	0.107	-100.093	1
5195_5195	5195	5195	-98.7	-12.967	0.002	0.003	0.114	-666.519	1
5195_5196	5195	5196	-19.687	2.651	0.001	0.002	0.119	-119.38	1
5196_5196	5196	5196	-94.706	-9.474	0.001	0.003	0.134	-642.7	1
5196_5197	5196	5197	-22.922	2.945	0.001	0.001	0.134	-144.646	1
5197_5197	5197	5197	-93.708	-16.238	0.001	0.002	0.145	-636.17	1
5197_5198	5197	5198	-26.309	3.041	0.001	0.001	0.147	-168.243	1
5198_5198	5198	5198	-86.647	-13.452	0.001	0.002	0.152	-592.218	1
5198_5199	5198	5199	-31.213	3.562	0.001	0	0.158	-203.379	1
5199_5199	5199	5199	-79.605	-21.472	0.002	-0.001	0.176	-546.688	1
5199_5200	5199	5200	-32.563	3.562	0.001	-0.001	0.174	-218.691	1
5200_5200	5200	5200	-70.673	-18.825	0	-0.004	0.182	-504.209	1
5200_5201	5200	5201	-37.688	11.902	0	0	-0.155	-154.776	1
5201_5201	5201	5201	-50.771	-25.195	0.001	0	0.267	-495.741	1
5201_5202	5201	5202	-47.095	16.553	-0.001	0.014	-0.277	-285.964	1
5202_5202	5202	5202	-29.832	-28.31	0.001	-0.018	0.241	-392.294	1
5202_5203	5202	5203	-55.147	21.562	-0.001	-0.014	-0.31	-439.434	1
5203_5203	5203	5203	-13.861	1.886	-0.001	0.013	-0.11	-82.386	1
5203_5204	5203	5204	-62.086	26.517	-0.002	0.044	-0.338	-646.879	1
5204_5204	5204	5204	-58.781	-6.731	-0.007	-0.014	0.457	-205.804	1
5204_5205	5204	5205	-22.511	-19.305	0	-0.012	0.041	-223.878	1
5205_5205	5205	5205	-67.358	-4.134	-0.007	0.023	0.291	-300.777	1
5205_5206	5205	5206	-11.068	-16.148	0	0.016	0.075	-144.487	1
5206_5206	5206	5206	-73.531	-7.911	-0.005	-0.026	0.211	-357.553	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5206_5207	5206	5207	-5.227	0.075	0.005	0	-0.152	-53.724	1
5207_5207	5207	5207	-77.554	-7.919	-0.004	-0.002	0.152	-401.115	1
5207_5208	5207	5208	-5.324	0.137	0.005	0.005	-0.109	-51.04	1
5208_5208	5208	5208	-82.408	-12.094	-0.003	-0.001	0.107	-449.18	1
5208_5209	5208	5209	-5.429	0.139	0.005	0.005	-0.073	-51.509	1
5209_5209	5209	5209	-84.721	-16.718	-0.003	-0.001	0.069	-478.75	1
5209_5210	5209	5210	-5.551	0.164	0.004	0.005	-0.035	-49.745	1
5210_5210	5210	5210	-84.751	-14.815	-0.001	-0.04	0.039	-489.75	1
5210_5211	5210	5211	-5.664	0.201	0.003	0	-0.019	-50.496	1
5211_5211	5211	5211	-86.755	-18.331	-0.003	0.044	0.023	-509.082	1
5211_5212	5211	5212	-5.783	0.218	0.003	0.009	0	-48.868	1
5212_5212	5212	5212	-87.68	-11.734	0.001	-0.047	-0.015	-519.564	1
5212_5213	5212	5213	-5.906	0.218	0.003	0	0.015	-49.684	1
5213_5213	5213	5213	-87.24	-15.52	0	0.047	-0.011	-512.774	1
5213_5214	5213	5214	-6.034	0.228	0.003	0.009	0.032	-49.227	1
5214_5214	5214	5214	-85.46	-12.166	0.001	0.026	-0.008	-495.141	1
5214_5215	5214	5215	-6.228	0.259	0.002	0.007	0.047	-49.484	1
5215_5215	5215	5215	-85.679	-17.167	0.002	-0.034	-0.003	-486.164	1
5215_5216	5215	5216	-6.423	0.259	0.002	0.001	0.061	-50.773	1
5216_5216	5216	5216	-83.603	-21.789	0.001	0.029	0.016	-458.64	1
5216_5217	5216	5217	-6.618	0.259	0.002	0.007	0.076	-52.062	1
5217_5217	5217	5217	-78.946	-21.891	0	0.081	0.029	-412.469	1
5217_5218	5217	5218	-11.199	14.565	0.012	0.073	0.098	-152.224	1
5218_5218	5218	5218	-75.023	-26.053	0.003	0.046	0.038	-370.206	1
5218_5219	5218	5219	-23.635	19.228	0.01	0.05	0.151	-219.754	1
5219_5219	5219	5219	-68.78	-29.861	0.018	-0.169	0.085	-306.983	1
5219_5220	5219	5220	-42.029	24.759	0.004	-0.101	0.161	-339.051	1
5220_5220	5220	5220	-15.894	-2.55	-0.008	0.023	0.249	-110.71	1
5220_5221	5220	5221	-52.996	-20.472	-0.011	0.075	-0.071	-380.631	1
5221_5221	5221	5221	-18.094	-0.624	-0.005	-0.047	0.058	-297.036	1
5221_5222	5221	5222	-43.744	-14.928	-0.007	-0.088	-0.114	-230.583	1
5222_5222	5222	5222	-35.842	-2.96	0.006	0.111	-0.027	-418.437	1
5222_5223	5222	5223	-36.935	-4.641	0.002	0.093	0.098	-306.127	1
5223_5223	5223	5223	-64.1	-8.785	0	-0.088	0.039	-489.699	1
5223_5224	5223	5224	-38.778	-4.446	0	-0.051	0.069	-246.218	1
5224_5224	5224	5224	-79.107	-8.297	0.004	0.118	0.054	-539.843	1
5224_5225	5224	5225	-36.12	-4.135	0.003	0.056	0.093	-224.911	1
5225_5225	5225	5225	-84.265	-13.367	0.002	-0.092	0.099	-623.625	1
5225_5226	5225	5226	-28.231	-4.01	0.003	-0.033	0.136	-192.315	1
5226_5226	5226	5226	-90.578	-12.778	0.003	0.154	0.152	-671.313	1
5226_5227	5226	5227	-23.963	-3.688	0	0.046	0.134	-161.927	1
5227_5227	5227	5227	-97.433	-19.104	-0.001	-0.172	0.201	-718.405	1
5227_5228	5227	5228	-19.894	-3.495	0	-0.035	0.126	-130.332	1
5228_5228	5228	5228	-98.022	-17.21	0.005	0.161	0.217	-723.649	1
5228_5229	5228	5229	-18.525	2.789	0.004	0.038	0.241	-109.094	1
5229_5229	5229	5229	-101.071	-11.858	0.003	-0.169	0.351	-744.429	1
5229_5230	5229	5230	-21.896	3.13	0.004	-0.019	0.307	-140.67	1
5230_5230	5230	5230	-96.48	-10.06	0.007	0.141	0.413	-714.451	1
5230_5231	5230	5231	-25.989	3.687	0.006	0.05	0.388	-179.568	1
5231_5231	5231	5231	-94.56	-17.005	0.004	-0.12	0.514	-700.147	1
5231_5232	5231	5232	-30.452	3.921	0.005	-0.023	0.446	-216.405	1
5232_5232	5232	5232	-85.883	-16.398	-0.006	0.109	0.566	-640.483	1
5232_5233	5232	5233	-34.339	4.462	-0.003	0.067	0.416	-245.191	1
5233_5233	5233	5233	-81.224	-21.411	-0.012	0.003	0.78	-610.397	1
5233_5234	5233	5234	-36.59	4.531	-0.005	0.012	0.606	-270.034	1
5234_5234	5234	5234	-73.914	-25.024	-0.015	-0.112	0.681	-571.744	1
5234_5235	5234	5235	-37.982	4.439	-0.006	-0.05	0.555	-294.403	1
5235_5235	5235	5235	-61.919	-25.189	0.09	0.095	0.563	-516.332	1
5235_5236	5235	5236	-38.349	14.695	-0.036	0.059	-0.862	-163.053	1
5236_5236	5236	5236	-43.886	-27.633	0.135	-0.051	1.609	-537.115	1
5236_5237	5236	5237	-44.603	18.092	-0.061	0.028	-2.008	-267.143	1
5237_5237	5237	5237	-31.392	-31.415	0.126	-0.261	2.688	-464.545	1
5237_5238	5237	5238	-50.866	21.932	-0.071	-0.014	-2.71	-360.033	1
5238_5238	5238	5238	-22.154	-23.358	-0.155	0.127	3.456	-396.5	1
5238_5239	5238	5239	-55.479	19.06	0.106	0.053	-1.972	-483.831	1
5239_5239	5239	5239	-14.131	2.849	-0.009	0.029	-0.536	-107.137	1
5239_5240	5239	5240	-57.825	19.236	0.118	-0.059	-0.799	-638.157	1
5240_5240	5240	5240	-73.386	-5.774	0.098	0.031	-0.82	-351.814	1
5240_5241	5240	5241	-7.431	-13.331	0.013	0.101	0.233	-223.203	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5241_5241	5241	5241	-79.787	-12.23	0.108	-0.235	0.304	-424.442	1
5241_5242	5241	5242	-7.084	-0.214	0.014	-0.035	0.933	-53.732	1
5242_5242	5242	5242	-80.631	-15.646	0.11	-0.27	0.906	-443.331	1
5242_5243	5242	5243	-6.969	-0.214	0.014	-0.042	1.023	-52.829	1
5243_5243	5243	5243	-79.528	-6.992	-0.072	0.122	1.554	-449.012	1
5243_5244	5243	5244	-6.892	-0.082	-0.002	0.007	1.003	-52.27	1
5244_5244	5244	5244	-85.821	-11.679	-0.056	-0.143	0.778	-518.492	1
5244_5245	5244	5245	-6.825	-0.082	-0.002	-0.024	0.985	-51.736	1
5245_5245	5245	5245	-89.163	-13.786	-0.021	0.147	0.184	-561.305	1
5245_5246	5245	5246	-6.775	-0.055	-0.005	0.005	0.935	-51.354	1
5246_5246	5246	5246	-92.717	-19.436	-0.009	-0.167	-0.056	-600.655	1
5246_5247	5246	5247	-6.732	-0.055	-0.005	-0.026	0.891	-51.011	1
5247_5247	5247	5247	-93.626	-9.229	-0.017	0.175	-0.236	-606.579	1
5247_5248	5247	5248	-6.72	-0.01	-0.012	0.003	0.779	-50.933	1
5248_5248	5248	5248	-94.707	-14.793	-0.009	-0.135	-0.444	-604.617	1
5248_5249	5248	5249	-6.711	-0.01	-0.012	-0.025	0.656	-50.863	1
5249_5249	5249	5249	-92.227	-17.362	-0.015	0.107	-0.557	-567.929	1
5249_5250	5249	5250	-6.729	0.035	-0.017	0	0.493	-53.321	1
5250_5250	5250	5250	-89.694	-22.664	-0.005	-0.112	-0.727	-525.827	1
5250_5251	5250	5251	-6.763	0.052	-0.018	-0.026	0.329	-56.764	1
5251_5251	5251	5251	-84.848	-14.542	0.116	0.153	-0.723	-464.543	1
5251_5252	5251	5252	-7.003	0.465	0.011	0.043	0.394	-59.151	1
5252_5252	5252	5252	-86.437	-17.977	0.119	0.04	-0.012	-462.022	1
5252_5253	5252	5253	-12.257	14.207	-0.013	0.041	0.27	-236.445	1
5253_5253	5253	5253	-86.907	-21.445	0.119	-0.154	0.68	-444.728	1
5253_5254	5253	5254	-24.569	16.722	-0.036	-0.067	-0.23	-321.549	1
5254_5254	5254	5254	-21.185	-2.524	0.011	-0.11	1.01	-147.934	1
5254_5255	5254	5255	-59.284	-15.886	0.024	-0.878	0.778	-618.07	1
5255_5255	5255	5255	-21.142	-2.697	-0.023	0.056	1.021	-141.791	1
5255_5256	5255	5256	-55.735	-16.04	0.022	0.157	1.133	-444.686	1
5256_5256	5256	5256	-23.761	-7.915	-0.156	-0.167	-0.317	-396.787	1
5256_5257	5256	5257	-51.673	-13.831	0.019	-0.186	1.316	-338.287	1
5257_5257	5257	5257	-31.243	-1.311	0.061	0.205	-1.831	-439.484	1
5257_5258	5257	5258	-46.345	-15.961	-0.054	0.099	0.813	-251.828	1
5258_5258	5258	5258	-41.118	-3.643	0.057	0.064	-1.469	-502.689	1
5258_5259	5258	5259	-39.94	-13.197	-0.046	-0.024	0.372	-173.259	1
5259_5259	5259	5259	-62.792	-6.371	0.032	-0.089	-0.682	-511.397	1
5259_5260	5259	5260	-42.203	-4.814	0.023	-0.054	-0.245	-298.076	1
5260_5260	5260	5260	-74.272	-6.299	0.025	0.154	-0.446	-556.233	1
5260_5261	5260	5261	-40.847	-4.606	0.015	0.088	-0.163	-279.134	1
5261_5261	5261	5261	-83.374	-9.028	0.023	0	-0.295	-598.034	1
5261_5262	5261	5262	-38.406	-4.735	0.013	0.006	-0.074	-259.696	1
5262_5262	5262	5262	-93.584	-12.158	0.017	-0.05	-0.099	-595.194	1
5262_5263	5262	5263	-33.822	-4.723	0.009	-0.017	0.059	-208.084	1
5263_5263	5263	5263	-99.919	-12.016	0.005	0.09	0.146	-637.328	1
5263_5264	5263	5264	-28.785	-4.298	0.003	0.036	0.087	-177.253	1
5264_5264	5264	5264	-107.318	-17.694	0.004	-0.07	0.24	-684.075	1
5264_5265	5264	5265	-23.782	-4.199	0.002	-0.011	0.109	-146.794	1
5265_5265	5265	5265	-109.193	-16.665	0.01	0.123	0.338	-698.639	1
5265_5266	5265	5266	-19.253	-3.641	0.004	0.029	0.137	-113.545	1
5266_5266	5266	5266	-112.63	-22.755	0.007	-0.112	0.501	-721.525	1
5266_5267	5266	5267	-15.693	4.124	0.006	-0.005	0.451	-132.502	1
5267_5267	5267	5267	-109.031	-21.419	0.01	0.135	0.632	-704.239	1
5267_5268	5267	5268	-20.879	4.511	0.007	0.054	0.54	-165.773	1
5268_5268	5268	5268	-107.482	-14.895	0.004	-0.133	0.813	-701.227	1
5268_5269	5268	5269	-26.15	4.572	0.004	-0.019	0.589	-197.317	1
5269_5269	5269	5269	-100.455	-14.093	0.011	0.14	0.852	-660.926	1
5269_5270	5269	5270	-30.624	4.994	0.009	0.073	0.665	-222.593	1
5270_5270	5270	5270	-97.275	-18.65	0.007	-0.019	0.923	-641.091	1
5270_5271	5270	5271	-35.113	5.049	0.007	0.013	0.724	-249.346	1
5271_5271	5271	5271	-84.089	-23.09	0.005	-0.181	1.266	-655.112	1
5271_5272	5271	5272	-34.805	5.079	0.007	-0.059	1.017	-293.015	1
5272_5272	5272	5272	-76.471	-22.134	0.064	0.127	1.252	-613.693	1
5272_5273	5272	5273	-36.704	5.533	0.03	0.11	1.233	-319.832	1
5273_5273	5273	5273	-67.229	-25.464	0.06	-0.014	1.628	-576.393	1
5273_5274	5273	5274	-40.15	15.707	-0.032	0.036	-1.803	-172.559	1
5274_5274	5274	5274	-47.337	-28.199	0.088	-0.312	3.06	-585.384	1
5274_5275	5274	5275	-50.178	21.269	-0.057	0.07	-3.856	-316.343	1
5275_5275	5275	5275	-30.202	-21.533	-0.269	0.029	3.737	-484.763	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5275_5276	5275	5276	-55.84	18.175	0.111	0.191	-3.034	-429.429	1
5276_5276	5276	5276	-20.655	-26.283	-0.28	-0.23	0.657	-441.593	1
5276_5277	5276	5277	-60.191	21.036	0.147	-0.053	-1.619	-554.822	1
5277_5277	5277	5277	-15.011	3.221	0.024	0.02	-0.804	-134.706	1
5277_5278	5277	5278	-61.516	17.479	0.132	-0.175	-0.546	-657.502	1
5278_5278	5278	5278	-85.672	-11.312	0.074	0.143	-0.328	-451.336	1
5278_5279	5278	5279	-6.468	-13.577	-0.054	-0.023	0.481	-227.081	1
5279_5279	5279	5279	-86.258	-16.246	0.091	-0.067	0.316	-464.392	1
5279_5280	5279	5280	-4.395	-0.638	0.038	0.04	0.7	11.763	1
5280_5280	5280	5280	-84.571	-9.721	-0.054	0.104	0.936	-463.306	1
5280_5281	5280	5281	-3.812	-0.575	-0.016	-0.007	0.49	14.887	1
5281_5281	5281	5281	-87.667	-15.765	-0.045	-0.086	0.31	-507.261	1
5281_5282	5281	5282	-3.196	-0.575	-0.014	-0.001	0.312	19.554	1
5282_5282	5282	5282	-74.103	-15.173	-0.021	0.171	-0.736	-554.549	1
5282_5283	5282	5283	-3.986	-0.54	-0.056	-0.02	0.309	31.894	1
5283_5283	5283	5283	-74.442	-22.676	0.016	-0.248	-0.83	-574.981	1
5283_5284	5283	5284	-3.552	-0.54	-0.049	0.007	-0.26	36.471	1
5284_5284	5284	5284	-72.641	-8.023	0.038	0.159	0.425	-534.04	1
5284_5285	5284	5285	-3.072	-0.598	0.039	-0.023	0.186	39.295	1
5285_5285	5285	5285	-76.595	-15.4	0.046	-0.167	1.047	-546.965	1
5285_5286	5285	5286	-2.657	-0.598	0.044	0.003	0.633	43.662	1
5286_5286	5286	5286	-76.826	-12.21	-0.146	0.246	1.519	-515.293	1
5286_5287	5286	5287	-2.185	-0.59	-0.019	-0.031	0.408	46.382	1
5287_5287	5287	5287	-81.259	-19.012	-0.09	-0.183	-0.032	-516.402	1
5287_5288	5287	5288	-1.839	0.236	0.011	-0.012	0.272	-50.005	1
5288_5288	5288	5288	-81.434	-8.204	0.303	0.441	-0.161	-446.165	1
5288_5289	5288	5289	-4.875	13.83	-0.085	0.007	1.011	-268.306	1
5289_5289	5289	5289	-83.954	-10.315	0.31	0.291	1.219	-461.378	1
5289_5290	5289	5290	-12.826	15.124	-0.131	-0.149	-0.256	-364.934	1
5290_5290	5290	5290	-13.338	-6.156	0.834	-0.69	0.679	-351.249	1
5290_5291	5290	5291	-30.826	-8.942	0.387	-0.284	4.491	-617.464	1
5291_5291	5291	5291	-20.818	-3.913	-0.638	0.293	8.734	-447.388	1
5291_5292	5291	5292	-32.401	-7.199	-0.397	0.31	0.124	-547.966	1
5292_5292	5292	5292	-32.059	-8.966	-0.617	-0.357	1.365	-563.807	1
5292_5293	5292	5293	-32.458	-7.198	-0.399	-0.326	-3.707	-488.441	1
5293_5293	5293	5293	-40.881	-4.485	0.117	0.418	-4.745	-637.72	1
5293_5294	5293	5294	-32.1	-5.039	0.087	0.34	-3.1	-457.934	1
5294_5294	5294	5294	-58.486	-7.815	0.073	0.027	-2.66	-672.123	1
5294_5295	5294	5295	-35.821	-5.04	0.058	0.034	-1.636	-395.352	1
5295_5295	5295	5295	-66.542	-11.729	0.069	-0.253	-2.147	-743.714	1
5295_5296	5295	5296	-33.105	-5.037	0.058	-0.125	-1.17	-365.681	1
5296_5296	5296	5296	-72.609	5.591	0.052	0.306	-1.665	-812.939	1
5296_5297	5296	5297	-32.009	-4.088	0.026	0.134	-1.061	-353.976	1
5297_5297	5297	5297	-65.579	3.317	0.078	0.244	-2.191	-922.569	1
5297_5298	5297	5298	-25.26	-4.109	0.04	0.11	-1.258	-351.807	1
5298_5298	5298	5298	-72.447	-1.772	0.072	-0.43	-1.421	-1014.886	1
5298_5299	5298	5299	-23.188	-4.047	0.038	-0.133	-0.913	-322.939	1
5299_5299	5299	5299	-76.497	2.343	0.001	0.682	-0.767	-1069.515	1
5299_5300	5299	5300	-20.94	-3.483	0.008	0.201	-0.819	-293.019	1
5300_5300	5300	5300	-83.594	-4.008	-0.003	-0.588	-0.75	-1164.79	1
5300_5301	5300	5301	-18.556	-3.418	0.007	-0.129	-0.741	-259.429	1
5301_5301	5301	5301	-86.405	-0.674	0.021	0.694	-0.752	-1202.989	1
5301_5302	5301	5302	-16.503	-2.965	0.015	0.149	-0.56	-232.118	1
5302_5302	5302	5302	-91.095	-7.436	0.015	-0.684	-0.469	-1266.041	1
5302_5303	5302	5303	-14.617	-2.921	0.013	-0.11	-0.41	-205.406	1
5303_5303	5303	5303	-91.043	-17.458	0.009	0.69	-0.302	-1264.736	1
5303_5304	5303	5304	-12.716	-2.611	0.013	0.124	-0.248	-178.606	1
5304_5304	5304	5304	-93.976	-24.114	0.002	-0.838	-0.2	-1304.432	1
5304_5305	5304	5305	-11.124	-2.595	0.012	-0.102	-0.121	-156.76	1
5305_5305	5305	5305	-92.123	-19.854	0.024	0.578	-0.206	-1280.141	1
5305_5306	5305	5306	-9.54	-2.336	0.018	0.077	0.083	-132.448	1
5306_5306	5306	5306	-92.577	-26.095	0.019	-0.554	0.04	-1286.17	1
5306_5307	5306	5307	-8.017	-2.238	0.016	-0.047	0.26	-108.746	1
5307_5307	5307	5307	-88.041	-22.621	0.01	0.652	0.208	-1225.219	1
5307_5308	5307	5308	-6.647	-2.03	0.012	0.06	0.375	-86.89	1
5308_5308	5308	5308	-85.295	-29.086	0.005	-0.628	0.265	-1187.134	1
5308_5309	5308	5309	-5.356	-1.792	0.013	-0.038	0.458	-63.608	1
5309_5309	5309	5309	-76.707	-27.279	-0.005	0.49	0.24	-1069.901	1
5309_5310	5309	5310	-4.244	-1.575	-0.021	0.027	0.156	-45.365	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5310_5310	5310	5310	-67.613	-34.866	-0.018	-0.473	-0.012	-944.081	1
5310_5311	5310	5311	-3.241	-1.415	-0.034	-0.02	-0.473	-29.696	1
5311_5311	5311	5311	-50.688	-42.542	0.016	0.189	-0.319	-715.868	1
5311_5312	5311	5312	-2.934	2.988	0.263	0.065	-2.907	5.344	1
5312_5312	5312	5312	-27.803	-52.191	0.014	-0.307	-0.155	-402.12	1
5312_5313	5312	5313	-5.925	16.134	0.075	0.113	0	-24.271	1
5400_5020	5400	5020	-9.364	-0.609	-0.052	-0.001	-0.637	-50.838	1
5400_5401	5400	5401	-65.262	6.624	-0.079	-0.004	2.786	21.954	1
5401_5401	5401	5401	-9.348	-0.656	0.041	0.052	-0.817	-48.797	1
5401_5402	5401	5402	-65.247	5.01	-0.286	0.029	1.729	4.472	1
5402_5402	5402	5402	-9.33	-0.88	0.059	-0.02	-0.698	-46.509	1
5402_5403	5402	5403	-65.349	3.517	-0.163	-0.003	-0.054	-31.935	1
5403_5403	5403	5403	-9.505	-1.235	-0.002	0.008	-0.071	-38.343	1
5403_5404	5403	5404	-59.115	1.368	-0.018	0.019	-0.178	-42.985	1
5404_5404	5404	5404	-9.475	-1.452	0.006	-0.014	-0.093	-29.442	1
5404_5405	5404	5405	-59.13	0.018	0.028	-0.011	0.015	-43.116	1
5405_5405	5405	5405	-9.784	-1.847	0.005	-0.003	-0.061	-19.289	1
5405_5406	5405	5406	-54.82	-1.694	0	0.004	0.024	-18.697	1
5406_5406	5406	5406	-10.219	-2.246	-0.023	-0.019	0.003	7.446	1
5406_5407	5406	5407	-51.702	-3.755	-0.019	-0.005	-0.118	17.387	1
5407_5407	5407	5407	-10.17	-2.46	-0.006	0.024	-0.179	27.339	1
5407_5408	5407	5408	-51.612	-4.84	0.059	0.022	0.222	44.272	1
5408_5408	5408	5408	-11.097	-0.181	0.09	0.005	-0.204	40.944	1
5408_5409	5408	5409	-52.474	4.648	0.181	0.04	0.589	58.914	1
5409_5409	5409	5409	-11.161	-0.099	0.049	-0.006	0.068	41.46	1
5409_5410	5409	5410	-52.554	-5.027	0.045	-0.041	0.726	74.058	1
5410_5410	5410	5410	-11.641	2.277	-0.007	0.018	0.134	41.481	1
5410_5411	5410	5411	-55.558	6.197	-0.017	0.028	0.463	39.647	1
5411_5411	5411	5411	-11.686	2.032	-0.02	-0.014	0.106	28.836	1
5411_5412	5411	5412	-55.676	5.029	-0.077	-0.023	-0.198	-4.891	1
5412_5412	5412	5412	-12.546	1.626	0.006	-0.002	-0.094	10.756	1
5412_5413	5412	5413	-59.747	3.227	0.009	-0.005	-0.096	-51.407	1
5413_5413	5413	5413	-13.445	1.213	0.004	-0.011	-0.023	-12.553	1
5413_5414	5413	5414	-64.976	1.504	0.036	-0.03	0.161	-62.256	1
5414_5414	5414	5414	-13.469	0.905	-0.008	0.006	-0.003	-21.301	1
5414_5415	5414	5415	-64.993	0.02	-0.018	0.019	0.013	-62.397	1
5415_5415	5415	5415	-14.343	0.534	0.053	0.028	-0.07	-27.819	1
5415_5416	5415	5416	-72.001	-1.97	0.109	0.035	1.174	-40.886	1
5416_5416	5416	5416	-14.351	0.184	0.101	-0.098	0.537	-33.651	1
5416_5417	5416	5417	-71.931	-3.723	0.347	-0.131	2.425	-27.879	1
5417_5417	5417	5417	-14.389	0.233	0.245	0.004	0.88	-34.296	1
5417_5036	5417	5036	-72.02	-4.805	0.144	0.006	3.009	-8.354	1
5420_5056	5420	5056	-15.806	0.104	-0.115	-0.007	1.809	-23.149	1
5420_5421	5420	5421	-70.044	5.835	-0.015	-0.008	2.024	1.736	1
5421_5421	5421	5421	-15.753	0.159	-0.105	0.03	1.288	-23.575	1
5421_5422	5421	5422	-69.947	4.398	-0.176	0.034	1.342	-13.587	1
5422_5422	5422	5422	-15.752	-0.218	-0.096	-0.006	0.919	-24.131	1
5422_5423	5422	5423	-70.032	2.719	-0.136	-0.006	-0.141	-43.268	1
5423_5423	5423	5423	-14.399	-0.574	0.002	0.008	-0.12	-21.948	1
5423_5424	5423	5424	-62.317	0.403	-0.018	0.022	-0.261	-54.265	1
5424_5424	5424	5424	-14.382	-0.915	0.014	-0.003	-0.107	-17.807	1
5424_5425	5424	5425	-62.309	-1.075	0.032	-0.015	-0.047	-46.518	1
5425_5425	5425	5425	-12.955	-1.288	0.005	0.002	-0.006	-11.21	1
5425_5426	5425	5426	-56.722	-2.6	0.01	0.003	0.093	-9.026	1
5426_5426	5426	5426	-11.582	-1.663	-0.045	-0.017	0.069	7.355	1
5426_5427	5426	5427	-52.335	-4.259	-0.058	-0.022	-0.408	28.68	1
5427_5427	5427	5427	-11.545	-1.9	-0.018	0.038	-0.311	22.081	1
5427_5428	5427	5428	-52.237	-5.328	0.061	0.049	-0.038	58.296	1
5428_5428	5428	5428	-10.47	0.36	-0.054	-0.063	-0.471	32.782	1
5428_5429	5428	5429	-48.871	5.091	-0.174	-0.047	-0.62	42.921	1
5429_5429	5429	5429	-10.417	-0.148	-0.046	0.067	-0.635	31.736	1
5429_5430	5429	5430	-48.793	-4.824	-0.028	0.052	-0.704	57.609	1
5430_5430	5430	5430	-9.894	1.751	-0.01	-0.005	0.093	30.359	1
5430_5431	5430	5431	-51.112	4.762	-0.072	-0.002	0.378	20.05	1
5431_5431	5431	5431	-9.93	1.537	-0.008	-0.001	0.033	20.643	1
5431_5432	5431	5432	-51.203	3.658	-0.06	-0.005	-0.154	-12.361	1
5432_5432	5432	5432	-10.577	1.194	0.003	-0.002	-0.049	6.971	1
5432_5433	5432	5433	-55.386	2.034	0.011	-0.004	-0.015	-41.686	1
5433_5433	5433	5433	-11.273	0.845	-0.005	0	-0.008	-10.135	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5433_5434	5433	5434	-60.757	0.41	-0.013	0.002	-0.124	-44.337	1
5434_5434	5434	5434	-11.289	0.587	-0.001	-0.004	-0.044	-16.227	1
5434_5435	5434	5435	-60.751	-0.976	0.007	-0.01	-0.066	-37.312	1
5435_5435	5435	5435	-11.948	0.265	0.055	-0.006	-0.067	-20.115	1
5435_5436	5435	5436	-68.244	-2.924	0.108	0.001	1.063	-5.357	1
5436_5436	5436	5436	-11.951	-0.016	0.04	0.011	0.53	-23.008	1
5436_5437	5436	5437	-68.156	-4.526	0.019	-0.017	1.127	10.416	1
5437_5437	5437	5437	-11.99	0.001	0.153	0.003	0.711	-22.952	1
5437_5072	5437	5072	-68.246	-5.962	0.256	0.007	2.177	34.808	1
5440_5094	5440	5094	-12.892	-0.023	-0.068	-0.005	1.125	-24.732	1
5440_5441	5440	5441	-67.044	5.774	-0.008	-0.006	1.221	8.042	1
5441_5441	5441	5441	-12.843	0.014	-0.072	0.033	0.8	-24.637	1
5441_5442	5441	5442	-66.947	4.376	-0.138	0.022	0.692	-7.234	1
5442_5442	5442	5442	-12.84	-0.294	-0.057	-0.007	0.542	-24.686	1
5442_5443	5442	5443	-67.033	2.768	-0.065	-0.002	-0.016	-37.478	1
5443_5443	5443	5443	-12.056	-0.631	-0.002	0.012	-0.075	-21.864	1
5443_5444	5443	5444	-59.575	0.844	-0.037	0.028	-0.252	-44.596	1
5444_5444	5444	5444	-12.039	-0.906	0.013	-0.007	-0.094	-17.318	1
5444_5445	5444	5445	-59.579	-0.516	0.036	-0.02	-0.013	-40.874	1
5445_5445	5445	5445	-11.229	-1.258	0.001	0.002	-0.006	-10.789	1
5445_5446	5445	5446	-54.343	-2.025	0.003	0.004	-0.001	-11.682	1
5446_5446	5446	5446	-10.495	-1.626	-0.006	-0.002	0.004	7.451	1
5446_5447	5446	5447	-50.248	-3.933	-0.014	-0.002	-0.123	25.779	1
5447_5447	5447	5447	-10.46	-1.841	0	0.011	-0.044	21.85	1
5447_5448	5447	5448	-50.163	-4.642	0.013	0.013	-0.068	46.089	1
5448_5448	5448	5448	-10.037	0.287	0.011	-0.024	-0.042	32.342	1
5448_5449	5448	5449	-47.052	5.069	0.064	-0.048	0.181	38.057	1
5449_5449	5449	5449	-9.989	-0.089	-0.082	0.028	-0.009	31.513	1
5449_5450	5449	5450	-46.96	-4.699	-0.267	0.051	-0.626	52.35	1
5450_5450	5450	5450	-9.256	1.973	0.021	0.005	-0.264	31.904	1
5450_5451	5450	5451	-48.949	4.6	-0.025	0.002	0.22	20.501	1
5451_5451	5451	5451	-9.296	1.775	0.018	0.003	-0.147	20.953	1
5451_5452	5451	5452	-49.036	3.556	-0.038	-0.008	-0.115	-10.997	1
5452_5452	5452	5452	-8.93	1.423	-0.003	0.004	0.018	5.183	1
5452_5453	5452	5453	-53.124	2.017	0.008	-0.004	0.004	-40.067	1
5453_5453	5453	5453	-9.693	0.687	-0.004	0	0	-7.999	1
5453_5454	5453	5454	-58.354	0.561	-0.014	-0.001	-0.096	-44.112	1
5454_5454	5454	5454	-9.707	0.462	-0.002	-0.002	-0.025	-12.958	1
5454_5455	5454	5455	-58.351	-0.795	-0.002	-0.007	-0.107	-38.378	1
5455_5455	5455	5455	-10.55	0.227	0.016	0.004	-0.037	-16.288	1
5455_5456	5455	5456	-65.799	-2.619	0.057	0.001	0.506	-8.743	1
5456_5456	5456	5456	-10.553	-0.029	0.026	-0.017	0.144	-18.762	1
5456_5457	5456	5457	-65.716	-4.213	0.119	-0.019	0.924	5.958	1
5457_5457	5457	5457	-10.595	0.015	0.053	0.002	0.235	-18.661	1
5457_5110	5457	5110	-65.822	-5.619	-0.006	0.004	0.914	28.972	1
5460_5132	5460	5132	-14.855	0.205	0.145	0.001	-0.231	-26.794	1
5460_5461	5460	5461	-75.499	7.13	0.401	0.006	0.079	13.635	1
5461_5461	5461	5461	-14.808	0.219	-0.007	-0.013	0.321	-27.637	1
5461_5462	5461	5462	-75.376	5.628	0.07	0.001	0.264	-5.988	1
5462_5462	5462	5462	-14.809	-0.137	-0.02	0.006	0.305	-28.399	1
5462_5463	5462	5463	-75.49	3.818	0.002	0	0.29	-47.684	1
5463_5463	5463	5463	-14.369	-0.521	0.009	-0.028	0.142	-26.978	1
5463_5464	5463	5464	-69.351	1.595	0.055	-0.072	0.79	-60.351	1
5464_5464	5464	5464	-14.353	-0.855	-0.032	0.033	0.231	-23.22	1
5464_5465	5464	5465	-69.371	0.04	-0.141	0.08	-0.172	-59.873	1
5465_5465	5465	5465	-13.9	-1.313	0	0.001	-0.002	-17.178	1
5465_5466	5465	5466	-65.349	-1.852	0.009	0.003	-0.029	-33.554	1
5466_5466	5466	5466	-13.48	-1.778	-0.009	0.012	0.005	1.738	1
5466_5467	5466	5467	-62.512	-3.772	0.02	0.003	0.138	-0.152	1
5467_5467	5467	5467	-13.441	-2.055	-0.035	-0.018	-0.087	17.483	1
5467_5468	5467	5468	-62.421	-5.056	-0.099	0.001	-0.414	27.95	1
5468_5468	5468	5468	-13.307	0.729	0	-0.026	-0.274	29.102	1
5468_5469	5468	5469	-60.496	7.791	-0.021	-0.015	-0.463	4.395	1
5469_5469	5469	5469	-13.651	-1.244	-0.001	0.007	-0.017	12.03	1
5469_5470	5469	5470	-56.637	-7.562	0.026	-0.007	0.176	19.744	1
5470_5470	5470	5470	-14.033	1.652	-0.005	-0.004	-0.005	15.742	1
5470_5471	5470	5471	-58.745	4.314	-0.04	0.002	-0.034	-8.245	1
5471_5471	5471	5471	-14.064	1.357	0.006	0.001	-0.036	6.56	1
5471_5472	5471	5472	-58.823	3.079	0.004	-0.003	0.006	-35.533	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5472_5472	5472	5472	-14.657	0.901	-0.003	0	0.017	-5.466	1
5472_5473	5472	5473	-61.774	1.37	-0.007	-0.001	-0.093	-55.272	1
5473_5473	5473	5473	-15.323	0.453	0	0	-0.015	-18.443	1
5473_5474	5473	5474	-66.006	-0.255	0.006	0.001	-0.022	-53.434	1
5474_5474	5474	5474	-15.329	0.096	0.001	-0.001	-0.014	-21.707	1
5474_5475	5474	5475	-65.982	-1.789	0.01	-0.003	0.053	-40.542	1
5475_5475	5475	5475	-15.956	-0.303	0.013	-0.001	-0.011	-22.401	1
5475_5476	5475	5476	-72.447	-3.709	0.001	0	0.067	-0.035	1
5476_5476	5476	5476	-15.945	-0.686	0.007	0.003	0.133	-19.092	1
5476_5477	5476	5477	-72.337	-5.446	-0.028	-0.002	-0.029	18.963	1
5477_5477	5477	5477	-15.993	-0.651	-0.007	0	0.182	-16.699	1
5477_5148	5477	5148	-72.436	-6.797	0.02	-0.001	0.077	46.792	1
5480_5168	5480	5168	-17.41	0.696	-0.031	0	0.263	-18.498	1
5480_5481	5480	5481	-76.304	7.262	-0.175	-0.003	-0.199	20.597	1
5481_5481	5481	5481	-17.368	0.706	0.022	-0.04	0.108	-21.35	1
5481_5482	5481	5482	-76.219	5.882	0.142	0.007	0.319	0.09	1
5482_5482	5482	5482	-17.38	0.285	-0.021	0.014	0.199	-23.814	1
5482_5483	5482	5483	-76.339	4.032	-0.042	-0.001	-0.143	-43.907	1
5483_5483	5483	5483	-16.907	-0.179	0.014	-0.017	-0.038	-26.926	1
5483_5484	5483	5484	-69.901	1.861	0.055	-0.038	0.245	-58.516	1
5484_5484	5484	5484	-16.898	-0.572	-0.011	0.019	0.075	-25.636	1
5484_5485	5484	5485	-69.925	0.236	-0.047	0.042	-0.065	-60.217	1
5485_5485	5485	5485	-16.37	-1.12	0.002	0.001	-0.014	-21.709	1
5485_5486	5485	5486	-65.657	-1.586	0.008	0.002	0.037	-37.353	1
5486_5486	5486	5486	-15.88	-1.683	-0.004	0.003	0.02	-5.554	1
5486_5487	5486	5487	-62.643	-3.518	0.009	0.001	0.129	-6.198	1
5487_5487	5487	5487	-15.842	-2.009	-0.017	-0.004	-0.022	9.35	1
5487_5488	5487	5488	-62.557	-4.806	-0.038	0.003	-0.079	20.51	1
5488_5488	5488	5488	-15.574	1.267	0.003	-0.008	-0.102	20.671	1
5488_5489	5488	5489	-60.391	8.045	0.013	0.015	-0.022	-3.812	1
5489_5489	5489	5489	-12.4	-0.94	-0.012	0.044	-0.225	18.454	1
5489_5490	5489	5490	-62.038	-8.409	0.039	0.024	-0.008	18.247	1
5490_5490	5490	5490	-12.654	1.667	0.012	-0.009	-0.226	21.047	1
5490_5491	5490	5491	-64.334	4.753	-0.034	0.001	-0.173	-9.269	1
5491_5491	5491	5491	-12.686	1.406	0.022	0.003	-0.162	11.783	1
5491_5492	5491	5492	-64.418	3.429	0.015	-0.002	-0.041	-39.632	1
5492_5492	5492	5492	-13.166	0.972	-0.001	-0.001	0.039	-0.765	1
5492_5493	5492	5493	-67.563	1.461	0.007	-0.001	0.089	-60.699	1
5493_5493	5493	5493	-13.717	0.57	-0.017	0.011	0.028	-14.783	1
5493_5494	5493	5494	-72.005	-0.419	-0.051	0.039	-0.285	-57.68	1
5494_5494	5494	5494	-13.726	0.251	0.004	-0.014	-0.083	-18.896	1
5494_5495	5494	5495	-71.976	-2.092	0.053	-0.039	0.129	-42.603	1
5495_5495	5495	5495	-14.255	-0.112	0.046	0.012	-0.059	-20.707	1
5495_5496	5495	5496	-78.603	-4.322	-0.009	-0.003	0.034	4.592	1
5496_5496	5496	5496	-14.249	-0.453	0.081	-0.047	0.461	-19.489	1
5496_5497	5496	5497	-78.476	-6.206	0.18	0.007	0.658	26.239	1
5497_5497	5497	5497	-14.282	-0.434	-0.074	0.002	0.773	-17.908	1
5497_5184	5497	5184	-78.545	-7.651	-0.131	0.001	0.198	57.57	1
5500_5204	5500	5204	-13.094	0.003	-0.115	-0.006	1.306	-24.993	1
5500_5501	5500	5501	-77.501	6.608	-0.256	-0.018	1.974	2.48	1
5501_5501	5501	5501	-13.065	0.022	-0.067	0.023	0.837	-25.004	1
5501_5502	5501	5502	-77.454	5.131	-0.177	0.038	1.345	-15.416	1
5502_5502	5502	5502	-13.062	-0.292	-0.062	-0.002	0.599	-25.08	1
5502_5503	5502	5503	-77.555	3.357	-0.145	0	-0.251	-49.772	1
5503_5503	5503	5503	-12.202	-0.622	0.013	-0.008	-0.071	-22.078	1
5503_5504	5503	5504	-69.663	0.931	0.062	-0.028	0.221	-57.852	1
5504_5504	5504	5504	-12.184	-0.906	-0.005	0.017	0.033	-17.592	1
5504_5505	5504	5505	-69.666	-0.688	-0.04	0.051	-0.041	-52.888	1
5505_5505	5505	5505	-11.309	-1.263	-0.006	0.004	0.008	-11.125	1
5505_5506	5505	5506	-63.538	-2.659	-0.009	0.011	-0.153	-14.552	1
5506_5506	5506	5506	-10.46	-1.617	0.043	0.012	-0.071	7.099	1
5506_5507	5506	5507	-58.523	-4.615	0.116	0.024	0.91	26.314	1
5507_5507	5507	5507	-10.425	-1.832	0.035	-0.01	0.301	21.415	1
5507_5508	5507	5508	-58.416	-5.818	0.071	-0.014	1.299	58.647	1
5508_5508	5508	5508	-11.122	0.372	0.025	-0.431	-2.655	30.219	1
5508_5509	5508	5509	-54.293	5.577	-0.187	0.145	0.862	46.748	1
5509_5509	5509	5509	-11.154	-0.505	-0.169	0.408	-2.573	29.069	1
5509_5510	5509	5510	-54.25	-5.412	-0.121	-0.141	0.495	63.178	1
5510_5510	5510	5510	-11.926	1.886	0.206	-0.053	-2.902	30.489	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5510_5511	5510	5511	-56.799	4.905	0.031	-0.036	-0.983	12.216	1
5511_5511	5511	5511	-11.962	1.64	0.23	0.02	-1.775	20.005	1
5511_5512	5511	5512	-56.888	3.736	0.14	0.007	0.244	-20.866	1
5512_5512	5512	5512	-12.998	1.223	-0.02	-0.005	0.279	5.366	1
5512_5513	5512	5513	-62.144	1.85	-0.015	-0.007	0.047	-47.548	1
5513_5513	5513	5513	-14.092	0.817	-0.025	0.007	0.018	-12.242	1
5513_5514	5513	5514	-68.517	-0.066	-0.043	0.026	-0.231	-47.072	1
5514_5514	5514	5514	-14.107	0.495	-0.004	-0.016	-0.152	-18.131	1
5514_5515	5514	5515	-68.498	-1.629	0.055	-0.037	0.191	-35.347	1
5515_5515	5515	5515	-15.207	0.103	0.201	0.017	-0.154	-21.588	1
5515_5516	5515	5516	-76.614	-3.992	0.082	-0.003	1.141	8.25	1
5516_5516	5516	5516	-15.205	-0.262	0.224	-0.067	2.05	-22.708	1
5516_5517	5516	5517	-76.495	-5.829	0.198	-0.018	1.827	28.584	1
5517_5517	5517	5517	-15.229	-0.267	-0.235	0.009	3.033	-21.781	1
5517_5220	5517	5220	-76.533	-7.354	0.08	0.024	2.196	58.685	1
5520_5240	5520	5240	-15.186	1.69	-0.644	-0.007	5.55	-18.185	1
5520_5521	5520	5521	-78.704	13.842	3.281	0.166	13.209	-6.604	1
5521_5521	5521	5521	-15.377	0.077	-0.123	0.127	1.21	-29.653	1
5521_5522	5521	5522	-78.708	5.585	-1.045	0.219	9.841	-8.094	1
5522_5522	5522	5522	-15.374	-0.302	-0.055	-0.023	0.745	-29.925	1
5522_5523	5522	5523	-78.826	3.643	-0.705	-0.059	2.133	-47.875	1
5523_5523	5523	5523	-14.546	-0.72	-0.031	0.046	0.193	-26.646	1
5523_5524	5523	5524	-72.794	1.329	-0.256	0.123	0.606	-57.351	1
5524_5524	5524	5524	-14.525	-1.057	0.018	-0.023	-0.055	-21.459	1
5524_5525	5524	5525	-72.805	-0.359	-0.018	-0.079	0.412	-54.766	1
5525_5525	5525	5525	-13.72	-1.515	-0.033	0.006	0.12	-13.912	1
5525_5526	5525	5526	-67.232	-2.466	-0.08	0.013	-0.453	-19.142	1
5526_5526	5526	5526	-12.996	-1.983	0.115	-0.008	-0.303	8.032	1
5526_5527	5526	5527	-62.287	-4.613	0.701	0.032	6.012	21.762	1
5527_5527	5527	5527	-12.951	-2.256	0.131	0.006	0.725	25.599	1
5527_5528	5527	5528	-62.175	-5.925	0.775	-0.07	10.33	54.666	1
5528_5528	5528	5528	-12.498	0.428	-0.074	0.157	1.547	38.165	1
5528_5529	5528	5529	-60.76	7.106	0.612	-1.247	-10.74	18.957	1
5529_5529	5529	5529	-12.443	-0.214	-0.036	-0.186	1.329	36.938	1
5529_5530	5529	5530	-60.929	-7.6	-0.294	1.173	-11.613	41.371	1
5530_5530	5530	5530	-13.573	2.284	0.503	-0.108	-7.458	36.214	1
5530_5531	5530	5531	-66.529	5.235	0.686	-0.13	-7.514	5.445	1
5531_5531	5531	5531	-13.616	2.002	0.533	0.037	-4.685	23.519	1
5531_5532	5531	5532	-66.622	3.854	0.827	0.037	-0.193	-28.686	1
5532_5532	5532	5532	-14.867	1.49	-0.034	-0.006	0.126	5.75	1
5532_5533	5532	5533	-71.931	1.384	-0.07	-0.01	-0.927	-48.659	1
5533_5533	5533	5533	-16.265	1.017	-0.022	0.003	-0.251	-15.671	1
5533_5534	5533	5534	-77.738	-0.73	-0.037	-0.004	-0.875	-45.875	1
5534_5534	5534	5534	-16.284	0.638	-0.01	-0.004	-0.408	-23.006	1
5534_5535	5534	5535	-77.7	-2.539	0.019	-0.017	-0.724	-27.572	1
5535_5535	5535	5535	-17.817	0.206	0.364	0.019	-0.358	-27.594	1
5535_5536	5535	5536	-83.791	-5.203	0.438	0.004	4.384	29.107	1
5536_5536	5536	5536	-17.817	-0.217	0.36	-0.059	3.616	-29.84	1
5536_5537	5536	5537	-83.645	-7.187	0.419	-0.107	5.843	54.149	1
5537_5537	5537	5537	-17.777	-0.239	0.039	0.101	5.091	-29.042	1
5537_5254	5537	5254	-83.597	-8.437	0.218	0.281	7.108	88.73	1
5540_5278	5540	5278	-16.244	-0.111	0.168	0.047	0.751	-37.669	1
5540_5541	5540	5541	-84.323	7.859	0.287	-0.211	6.422	42.795	1
5541_5541	5541	5541	-16.114	-0.1	-0.062	0.111	1.54	-37.15	1
5541_5542	5541	5542	-83.93	6.906	-0.528	0.079	5.093	18.819	1
5542_5542	5542	5542	-16.107	-0.495	-0.029	0.003	1.303	-36.801	1
5542_5543	5542	5543	-84.075	4.846	-0.358	-0.007	1.195	-34.098	1
5543_5543	5543	5543	-15.082	-0.924	-0.081	0.06	1.076	-31.354	1
5543_5544	5543	5544	-78.834	2.12	-0.19	0.088	0.389	-49.204	1
5544_5544	5544	5544	-15.056	-1.279	-0.038	-0.021	0.47	-24.697	1
5544_5545	5544	5545	-78.862	0.26	0.03	-0.058	0.558	-51.077	1
5545_5545	5545	5545	-14.095	-1.741	-0.058	0.003	0.301	-15.486	1
5545_5546	5545	5546	-73.493	-2.246	-0.093	-0.003	-0.28	-18.538	1
5546_5546	5546	5546	-13.328	-2.255	0.317	-0.017	-0.422	9.632	1
5546_5547	5546	5547	-68.97	-4.548	1.362	0.044	12.328	19.233	1
5547_5547	5547	5547	-13.279	-2.526	0.338	-0.024	2.406	29.595	1
5547_5548	5547	5548	-68.861	-5.952	1.464	-0.18	20.477	52.32	1
5548_5548	5548	5548	-12.493	0.236	-0.278	0.48	4.418	43.671	1
5548_5549	5548	5549	-62.987	7.636	-1.024	2.256	17.88	36.381	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5549_5549	5549	5549	-12.408	0.096	-0.016	-0.595	3.62	43.335	1
5549_5550	5549	5550	-62.73	-6.331	0.225	-2.485	18.668	56.964	1
5550_5550	5550	5550	-11.286	2.68	-0.243	-0.019	3.489	42.994	1
5550_5551	5550	5551	-63.597	4.586	0.895	-0.15	-10.113	-12.757	1
5551_5551	5551	5551	-11.344	2.424	-0.216	-0.008	2.087	27.815	1
5551_5552	5551	5552	-63.683	3.144	1.033	0.052	-1.4	-39.245	1
5552_5552	5552	5552	-10.9	1.967	-0.074	0.008	0.201	7.196	1
5552_5553	5552	5553	-67.054	0.365	0	-0.012	-1.117	-44.435	1
5553_5553	5553	5553	-10.539	1.495	-0.04	0.029	-0.83	-20.262	1
5553_5554	5553	5554	-70.945	-2.332	0.13	-0.007	0.147	-28.028	1
5554_5554	5554	5554	-10.574	1.224	-0.028	0.022	-1.102	-30.791	1
5554_5555	5554	5555	-70.862	-4.156	0.21	-0.043	1.635	1.247	1
5555_5555	5555	5555	-10.3	0.776	-0.176	0.04	-1.231	-38.025	1
5555_5556	5555	5556	-75.1	-6.614	1.106	-0.01	13.546	63.796	1
5556_5556	5556	5556	-10.318	0.49	-0.15	0.011	-3.076	-46.3	1
5556_5557	5556	5557	-74.884	-8.701	1.287	-0.228	17.911	93.638	1
5557_5557	5557	5557	-10.411	0.494	0.092	0.094	-3.635	-47.94	1
5557_5290	5557	5290	-73.928	-9.897	-1.139	-0.699	12.198	147.785	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
5000_5000	5000	5000	1.228	47.583	-0.032	0.054	0	4.173	1
5000_5001	5000	5001	-2.297	2.539	-0.017	0.017	-0.221	-18.865	1
5001_5001	5001	5001	-40.14	39.895	-0.039	-0.046	-0.498	-310.357	1
5001_5002	5001	5002	23.736	6.327	0.008	0.036	0.173	181.222	1
5002_5002	5002	5002	-57.521	37.437	0.048	0.112	-0.993	-442.893	1
5002_5003	5002	5003	35.258	7.998	-0.014	-0.042	0.129	269.308	1
5003_5003	5003	5003	-75.644	30.267	0.05	-0.111	-0.405	-580.679	1
5003_5004	5003	5004	49.188	14.101	-0.021	0.088	-0.063	375.973	1
5004_5004	5004	5004	-84.457	32.669	-0.006	0.075	0.22	-647.636	1
5004_5005	5004	5005	68.053	15.559	0.002	-0.04	-0.071	520.595	1
5005_5005	5005	5005	-93.776	26.373	-0.006	-0.089	0.158	-718.266	1
5005_5006	5005	5006	79.216	22.854	0.004	0.096	-0.051	606.497	1
5006_5006	5006	5006	-96.218	29.945	0.006	0.164	0.093	-736.674	1
5006_5007	5006	5007	89.626	20.567	-0.003	-0.11	-0.093	686.189	1
5007_5007	5007	5007	-100.956	23.869	0.005	-0.151	0.171	-772.419	1
5007_5008	5007	5008	92.518	26.97	-0.003	0.182	-0.154	708.545	1
5008_5008	5008	5008	-99.397	27.516	-0.003	0.169	0.242	-760.415	1
5008_5009	5008	5009	97.295	23.448	0.002	-0.121	-0.157	744.92	1
5009_5009	5009	5009	-100.524	21.507	-0.003	-0.146	0.212	-768.756	1
5009_5010	5009	5010	95.404	29.672	0.003	0.188	-0.138	730.6	1
5010_5010	5010	5010	-95.753	24.958	0.005	-0.004	0.185	-732.405	1
5010_5011	5010	5011	95.851	26.122	-0.006	0.014	-0.218	733.884	1
5011_5011	5011	5011	-93.73	19.025	0.004	-0.002	0.243	-716.861	1
5011_5012	5011	5012	89.827	32.325	-0.006	0.012	-0.3	688.071	1
5012_5012	5012	5012	-85.852	22.024	-0.01	0.059	0.289	-656.918	1
5012_5013	5012	5013	86.127	28.971	0.013	-0.041	-0.148	659.839	1
5013_5013	5013	5013	-81.543	16.292	-0.01	-0.056	0.154	-623.916	1
5013_5014	5013	5014	76.145	35.21	0.013	0.08	0.01	583.993	1
5014_5014	5014	5014	-65.197	16.63	0.017	0.039	0.05	-499.387	1
5014_5015	5014	5015	57.308	32.522	-0.026	-0.022	-0.413	441.045	1
5015_5015	5015	5015	-75.85	12.65	0.011	-0.033	0.215	-543.465	1
5015_5016	5015	5016	63.623	41.036	-0.015	0.044	-0.385	474.156	1
5016_5016	5016	5016	-58.606	13.686	-0.008	0.025	0.286	-430.022	1
5016_5017	5016	5017	39.108	37.61	0.006	-0.012	-0.303	332.799	1
5017_5017	5017	5017	-40.751	7.832	-0.007	-0.025	0.183	-336.238	1
5017_5018	5017	5018	12.737	44.2	0.007	0.04	-0.178	158.138	1
5018_5018	5018	5018	-22.227	5.853	0	0.012	0.102	-223.332	1
5018_5019	5018	5019	-4.145	46.596	-0.002	0.008	-0.163	-0.881	1
5019_5019	5019	5019	-7.383	1.93	-0.002	-0.013	0.093	-94.937	1
5019_5020	5019	5020	-19.865	53.949	-0.002	0.027	-0.162	-233.702	1
5020_5020	5020	5020	4.095	47.144	-0.01	0.012	0.263	124.004	1
5020_5021	5020	5021	57.1	6.456	0.018	-0.004	-0.301	170.725	1
5021_5021	5021	5021	-15.72	41.853	-0.007	0.009	0.108	-38.247	1
5021_5022	5021	5022	61.258	9.773	0.012	-0.005	-0.124	229.201	1
5022_5022	5022	5022	-26.706	36.714	-0.004	-0.008	0.04	-122.643	1
5022_5023	5022	5023	62.734	13.269	0.008	0.026	-0.055	260.316	1
5023_5023	5023	5023	-34.655	36.438	-0.002	0	-0.01	-183.125	1
5023_5024	5023	5024	64.317	13.184	0.004	0.01	-0.016	294.108	1
5024_5024	5024	5024	-43.654	31.137	-0.002	0.045	-0.032	-247.238	1
5024_5025	5024	5025	64.062	17.02	0.007	-0.041	0.045	315.065	1
5025_5025	5025	5025	-49.075	26.206	0.001	-0.039	-0.056	-284.006	1
5025_5026	5025	5026	60.975	21.408	0.001	0.056	0.047	315.731	1
5026_5026	5026	5026	-55.49	30.047	0	0.015	-0.055	-325.199	1
5026_5027	5026	5027	64.157	19.3	0.003	-0.004	0.067	354.346	1
5027_5027	5027	5027	-59.275	26.191	0	0.023	-0.056	-347.06	1
5027_5028	5027	5028	63.046	22.583	0.003	-0.014	0.082	357.509	1
5028_5028	5028	5028	-61.06	22.542	0.001	0.017	-0.055	-353.702	1
5028_5029	5028	5029	60.662	26.232	0.002	-0.011	0.088	349.503	1
5029_5029	5029	5029	-61.578	19.268	0.003	-0.04	-0.049	-349.683	1
5029_5030	5029	5030	56.372	30.1	0	0.055	0.08	326.662	1
5030_5030	5030	5030	-57.511	21.368	0.003	0.034	-0.025	-309.879	1
5030_5031	5030	5031	49.493	26.201	0	-0.02	0.071	284.588	1
5031_5031	5031	5031	-59.555	16.98	0.005	-0.01	0.002	-307.87	1
5031_5032	5031	5032	43.437	31.143	-0.002	0.018	0.04	246.397	1
5032_5032	5032	5032	-58.757	13.155	0.006	-0.006	0.058	-285.855	1
5032_5033	5032	5033	33.819	36.459	-0.003	0.016	0	181.01	1
5033_5033	5033	5033	-56.107	13.224	0.009	0.007	0.12	-251.005	1
5033_5034	5033	5034	25.2	36.697	-0.005	0.003	-0.06	119.173	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5034_5034	5034	5034	-53.63	9.732	0.01	0.01	0.204	-218.948	1
5034_5035	5034	5035	13.535	41.856	-0.006	0	-0.129	33.734	1
5035_5035	5035	5035	-47.94	6.431	0.018	-0.009	0.4	-160.955	1
5035_5036	5035	5036	-6.995	47.177	-0.011	0.013	-0.311	-129.606	1
5036_5036	5036	5036	35.704	51.497	0	0.044	0.264	267.556	1
5036_5037	5036	5037	10.47	2.765	-0.001	-0.006	0.188	94.917	1
5037_5037	5037	5037	23.89	44.095	-0.004	0.018	0.343	62.636	1
5037_5038	5037	5038	12.689	6.549	0	0.035	-0.155	195.782	1
5038_5038	5038	5038	11.574	41.655	0.002	0.059	-0.359	-67.568	1
5038_5039	5038	5039	26.638	8.582	-0.005	-0.039	-0.236	294.939	1
5039_5039	5039	5039	-9.575	35.24	-0.004	-0.016	0.434	-213.289	1
5039_5040	5039	5040	39.114	14.393	-0.002	0.047	-0.287	369.368	1
5040_5040	5040	5040	-29.677	38.651	-0.009	0.03	0.407	-333.399	1
5040_5041	5040	5041	51.462	13.283	0.008	-0.024	-0.263	462.24	1
5041_5041	5041	5041	-31.859	29.557	-0.005	-0.003	0.163	-273.274	1
5041_5042	5041	5042	49.76	17.014	0.005	0.01	-0.059	378.801	1
5042_5042	5042	5042	-50.824	32.231	0.001	0.001	0.097	-385.077	1
5042_5043	5042	5043	62.496	16.029	-0.002	0.001	-0.091	461.51	1
5043_5043	5043	5043	-61.313	25.559	0.001	0.002	0.112	-445.797	1
5043_5044	5043	5044	63.159	22.045	-0.002	0	-0.117	466.603	1
5044_5044	5044	5044	-64.4	28.655	0	-0.002	0.114	-462.33	1
5044_5045	5044	5045	68.553	18.839	0.001	0.004	-0.112	497.898	1
5045_5045	5045	5045	-70.315	22.056	0	0.002	0.109	-496.701	1
5045_5046	5045	5046	67.18	25.22	0.001	0	-0.107	487.153	1
5046_5046	5046	5046	-68.954	25.311	0	0.046	0.107	-487.533	1
5046_5047	5046	5047	69.377	21.878	0.001	-0.032	-0.106	497.506	1
5047_5047	5047	5047	-70.977	18.903	-0.001	-0.034	0.101	-498.899	1
5047_5048	5047	5048	64.428	28.495	0.002	0.048	-0.081	464.768	1
5048_5048	5048	5048	-65.987	22.038	-0.002	0.044	0.08	-467.347	1
5048_5049	5048	5049	62.348	25.287	0.001	-0.03	-0.076	450.009	1
5049_5049	5049	5049	-65.586	15.981	-0.003	-0.034	0.056	-461.957	1
5049_5050	5049	5050	52.759	32.007	0.003	0.048	-0.042	390.506	1
5050_5050	5050	5050	-53.022	16.927	0.002	0.022	0.014	-379.24	1
5050_5051	5050	5051	34.755	29.255	-0.004	-0.009	-0.089	280.613	1
5051_5051	5051	5051	-58.338	13.022	0.001	-0.047	0.047	-442.856	1
5051_5052	5051	5052	35.567	38.402	-0.002	0.058	-0.108	322.601	1
5052_5052	5052	5052	-45.313	14.282	0.001	0.049	0.037	-355.317	1
5052_5053	5052	5053	14.83	34.866	-0.002	-0.018	-0.112	206.458	1
5053_5053	5053	5053	-29.109	8.493	-0.001	-0.057	0.074	-304.249	1
5053_5054	5053	5054	-8.041	41.617	0	0.083	-0.124	70.414	1
5054_5054	5054	5054	-15.366	6.385	-0.001	0.033	0.056	-205.613	1
5054_5055	5054	5055	-19.872	44.111	0	0.017	-0.102	-63.169	1
5055_5055	5055	5055	-3.873	2.23	-0.002	-0.018	0.047	-87.012	1
5055_5056	5055	5056	-31.502	51.71	0.002	0.037	-0.054	-271.506	1
5056_5056	5056	5056	-0.249	46.693	-0.005	0.011	0.131	93.996	1
5056_5057	5056	5057	50.898	6.432	0.008	0.002	-0.147	170.887	1
5057_5057	5057	5057	-19.989	41.475	-0.005	0.025	0.065	-70.914	1
5057_5058	5057	5058	56.503	9.945	0.007	-0.023	-0.063	239.916	1
5058_5058	5058	5058	-30.186	36.294	-0.003	-0.025	0.02	-158.408	1
5058_5059	5058	5059	58.9	13.583	0.004	0.053	-0.03	277.774	1
5059_5059	5059	5059	-37.41	36.3	-0.004	0.124	-0.009	-219.74	1
5059_5060	5059	5060	61.182	13.505	0.008	-0.09	0.038	317.277	1
5060_5060	5060	5060	-45.7	31.014	-0.001	-0.041	-0.044	-285.684	1
5060_5061	5060	5061	61.619	17.423	0.003	0.07	0.056	342.327	1
5061_5061	5061	5061	-50.644	26.115	-0.001	-0.025	-0.055	-322.694	1
5061_5062	5061	5062	59.315	21.891	0.002	0.063	0.072	345.347	1
5062_5062	5062	5062	-56.481	30.213	0	0.071	-0.06	-364.343	1
5062_5063	5062	5063	62.828	19.63	0.002	-0.04	0.08	388.438	1
5063_5063	5063	5063	-60.042	26.365	0	0.085	-0.06	-386.817	1
5063_5064	5063	5064	62.117	22.926	0.002	-0.063	0.085	393.03	1
5064_5064	5064	5064	-61.755	22.719	0.002	-0.061	-0.061	-393.198	1
5064_5065	5064	5065	60.168	26.578	-0.001	0.083	0.077	385.598	1
5065_5065	5065	5065	-62.3	19.439	0.002	-0.047	-0.048	-388.135	1
5065_5066	5065	5066	56.417	30.441	-0.001	0.078	0.067	362.42	1
5066_5066	5066	5066	-58.608	21.707	0.002	0.035	-0.032	-344.79	1
5066_5067	5066	5067	50.387	26.284	-0.001	-0.011	0.055	320.005	1
5067_5067	5067	5067	-60.711	17.26	0.003	0.039	-0.009	-341.449	1
5067_5068	5067	5068	45.198	31.195	-0.001	-0.02	0.038	282.069	1
5068_5068	5068	5068	-60.123	13.372	0.005	-0.048	0.016	-316.502	1

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5068_5069	5068	5069	36.666	36.489	-0.003	0.07	0.005	215.219	1
5069_5069	5069	5069	-57.753	13.493	0.004	0.071	0.068	-277.567	1
5069_5070	5069	5070	29.252	36.411	-0.002	-0.024	-0.025	153.431	1
5070_5070	5070	5070	-55.352	9.884	0.008	-0.006	0.108	-240.796	1
5070_5071	5070	5071	18.845	41.599	-0.004	0.021	-0.072	65.329	1
5071_5071	5071	5071	-49.799	6.432	0.012	-0.02	0.22	-174.637	1
5071_5072	5071	5072	-0.944	46.858	-0.007	0.034	-0.168	-100.85	1
5072_5072	5072	5072	31.102	51.291	0	0.047	0.189	250.295	1
5072_5073	5072	5073	8.049	2.386	0	-0.004	0.07	75.094	1
5073_5073	5073	5073	18.495	43.718	-0.002	0.014	0.216	35.657	1
5073_5074	5073	5074	14.112	6.487	0.002	0.035	-0.1	205.292	1
5074_5074	5074	5074	5.329	41.284	-0.003	0.099	0.218	-102.924	1
5074_5075	5074	5075	27.905	8.593	-0.001	-0.064	-0.121	307.176	1
5075_5075	5075	5075	-19.418	34.589	-0.004	-0.027	0.162	-241.979	1
5075_5076	5075	5076	44.479	14.479	0.003	0.059	-0.057	360.953	1
5076_5076	5076	5076	-41.433	38.193	-0.001	0.054	0.134	-362.432	1
5076_5077	5076	5077	58.145	13.197	-0.002	-0.042	-0.081	453.182	1
5077_5077	5077	5077	-38.417	30.165	-0.006	-0.025	0.214	-359.659	1
5077_5078	5077	5078	48.221	17.351	-0.001	0.047	-0.138	431.005	1
5078_5078	5078	5078	-53.185	33.015	0.003	0.111	0.126	-463.743	1
5078_5079	5078	5079	59.63	16.224	-0.002	-0.08	-0.161	518.523	1
5079_5079	5079	5079	-62.174	26.774	0.001	-0.083	0.162	-526.548	1
5079_5080	5079	5080	61.631	21.977	0.001	0.113	-0.156	533.699	1
5080_5080	5080	5080	-65.206	30.197	0	0.124	0.168	-547.049	1
5080_5081	5080	5081	67.653	18.748	0	-0.092	-0.163	575.32	1
5081_5081	5081	5081	-70.743	24.003	-0.003	-0.09	0.161	-586.677	1
5081_5082	5081	5082	68.304	24.754	0.003	0.119	-0.134	577.055	1
5082_5082	5082	5082	-68.912	27.228	0.001	0.003	0.125	-573.932	1
5082_5083	5082	5083	70.645	21.059	0	0.003	-0.138	590.977	1
5083_5083	5083	5083	-71.235	20.696	0.001	0	0.132	-592.23	1
5083_5084	5083	5084	68.122	27.623	0	0.006	-0.143	569.993	1
5084_5084	5084	5084	-68.856	24.352	0	0.116	0.137	-576.828	1
5084_5085	5084	5085	69.861	24.358	0	-0.086	-0.142	580.885	1
5085_5085	5085	5085	-68.184	18.391	-0.002	-0.094	0.136	-573.69	1
5085_5086	5085	5086	64.131	30.586	0.003	0.126	-0.112	538.761	1
5086_5086	5086	5086	-62.279	21.68	-0.003	0.111	0.109	-531.775	1
5086_5087	5086	5087	61	27.063	0.003	-0.08	-0.08	516.45	1
5087_5087	5087	5087	-60.266	15.947	-0.005	-0.084	0.078	-515.844	1
5087_5088	5087	5088	51.897	33.336	0.006	0.115	-0.014	451.671	1
5088_5088	5088	5088	-49.79	17.416	0.003	0.048	0.025	-434.969	1
5088_5089	5088	5089	38.567	30.396	-0.008	-0.025	-0.123	356.834	1
5089_5089	5089	5089	-53.072	13.355	0.001	-0.073	0.057	-482.872	1
5089_5090	5089	5090	36.574	38.346	-0.004	0.093	-0.123	380.458	1
5090_5090	5090	5090	-40.605	14.53	0.001	0.097	0.06	-384.254	1
5090_5091	5090	5091	16.776	34.681	-0.002	-0.045	-0.131	254.632	1
5091_5091	5091	5091	-27.844	8.459	-0.002	-0.057	0.098	-308.445	1
5091_5092	5091	5092	-4.79	41.309	0.001	0.088	-0.115	101.25	1
5092_5092	5092	5092	-14.121	6.428	0	0.014	0.079	-204.645	1
5092_5093	5092	5093	-17.451	43.618	-0.002	0.011	-0.118	-36.704	1
5093_5093	5093	5093	-7.037	2.48	0	-0.001	0.022	-77.967	1
5093_5094	5093	5094	-29.858	51.312	-0.001	0.026	-0.11	-253.913	1
5094_5094	5094	5094	0.232	46.473	-0.004	0.026	0.125	98.377	1
5094_5095	5094	5095	49.339	6.392	0.01	-0.013	-0.145	172.232	1
5095_5095	5095	5095	-18.657	41.266	-0.003	0.02	0.078	-70.517	1
5095_5096	5095	5096	53.199	9.941	0.008	-0.007	-0.092	245.393	1
5096_5096	5096	5096	-28.076	35.977	0	-0.026	0.042	-160.867	1
5096_5097	5096	5097	55.206	13.644	0.003	0.07	-0.068	283.536	1
5097_5097	5097	5097	-34.63	36.244	-0.002	0.031	0.032	-223.09	1
5097_5098	5097	5098	57.175	13.433	0.004	-0.014	-0.034	324.158	1
5098_5098	5098	5098	-42.312	30.874	-0.001	0.035	0.008	-291.153	1
5098_5099	5098	5099	57.401	17.404	0.003	-0.023	-0.007	349.618	1
5099_5099	5099	5099	-46.882	25.92	0.001	-0.053	-0.009	-329.123	1
5099_5100	5099	5100	55.07	21.958	0	0.08	-0.011	352.18	1
5100_5100	5100	5100	-52.227	30.368	0.004	-0.155	-0.007	-371.353	1
5100_5101	5100	5101	58.293	19.444	-0.001	0.097	-0.016	397.095	1
5101_5101	5101	5101	-55.649	26.448	0.007	-0.323	0.013	-395.275	1
5101_5102	5101	5102	57.617	22.775	-0.004	0.285	-0.04	402.122	1
5102_5102	5102	5102	-57.371	22.742	-0.004	0.282	0.061	-402.56	1
5102_5103	5102	5103	55.813	26.483	0.007	-0.32	0.002	394.761	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5103_5103	5103	5103	-57.989	19.419	-0.001	0.099	0.044	-397.678	1
5103_5104	5103	5104	52.337	30.405	0.003	-0.156	0.016	371.008	1
5104_5104	5104	5104	-54.643	21.919	0	0.08	0.046	-352.53	1
5104_5105	5104	5105	46.891	25.92	0.001	-0.053	0.016	328.546	1
5105_5105	5105	5105	-56.901	17.369	0.003	-0.022	0.049	-350.189	1
5105_5106	5105	5106	42.273	30.886	-0.001	0.035	-0.006	291.007	1
5106_5106	5106	5106	-56.557	13.396	0.004	-0.016	0.084	-324.526	1
5106_5107	5106	5107	34.478	36.256	-0.002	0.033	-0.036	222.826	1
5107_5107	5107	5107	-54.482	13.606	0.005	0.019	0.127	-283.691	1
5107_5108	5107	5108	27.832	35.938	-0.002	0.004	-0.069	160.626	1
5108_5108	5108	5108	-52.392	9.897	0.005	0.026	0.177	-245.602	1
5108_5109	5108	5109	18.388	41.245	-0.003	-0.006	-0.108	70.848	1
5109_5109	5109	5109	-48.323	6.338	0.009	-0.016	0.21	-172.3	1
5109_5110	5109	5110	-0.557	46.476	-0.005	0.022	-0.166	-98.935	1
5110_5110	5110	5110	29.739	50.788	-0.002	0.043	0.2	247.442	1
5110_5111	5110	5111	3.018	2.244	0	-0.02	-0.123	86.216	1
5111_5111	5111	5111	17.806	42.955	-0.004	0.012	0.217	35.774	1
5111_5112	5111	5112	14.082	6.593	0.002	0.034	-0.105	207.792	1
5112_5112	5112	5112	5.951	40.579	0.002	0.059	0.21	-94.785	1
5112_5113	5112	5113	27.396	8.657	-0.003	-0.038	-0.151	309.069	1
5113_5113	5113	5113	-14.384	33.833	-0.001	-0.025	0.21	-240.105	1
5113_5114	5113	5114	39.426	14.836	-0.001	0.061	-0.146	380.351	1
5114_5114	5114	5114	-32.865	37.553	-0.009	0.023	0.211	-358.266	1
5114_5115	5114	5115	51.069	13.587	0.007	-0.016	-0.11	474.157	1
5115_5115	5115	5115	-36.884	28.976	-0.009	-0.001	0.117	-304.685	1
5115_5116	5115	5116	50.789	17.596	0.006	0.006	-0.007	390.396	1
5116_5116	5116	5116	-51.182	32.105	0.006	0.036	-0.003	-394.542	1
5116_5117	5116	5117	61.58	16.056	-0.005	-0.025	-0.059	464.163	1
5117_5117	5117	5117	-60.052	25.679	0.004	-0.024	0.061	-450.103	1
5117_5118	5117	5118	62.446	21.911	-0.004	0.035	-0.108	470.944	1
5118_5118	5118	5118	-62.472	29.3	-0.004	0.037	0.106	-465.122	1
5118_5119	5118	5119	67.645	18.402	0.003	-0.026	-0.074	503.522	1
5119_5119	5119	5119	-67.819	22.913	-0.004	-0.028	0.062	-499.765	1
5119_5120	5119	5120	67.058	24.504	0.005	0.04	-0.022	498.268	1
5120_5120	5120	5120	-65.12	26.334	0.003	0.107	0.016	-483.959	1
5120_5121	5120	5121	68.612	20.618	-0.003	-0.079	-0.054	506.504	1
5121_5121	5121	5121	-67.101	19.616	-0.001	-0.078	0.046	-499.077	1
5121_5122	5121	5122	64.921	27.341	0	0.108	-0.054	481.414	1
5122_5122	5122	5122	-63.781	23.5	0	0.036	0.03	-480.64	1
5122_5123	5122	5123	65.973	23.891	0.001	-0.025	-0.037	487.524	1
5123_5123	5123	5123	-62.617	17.358	-0.001	-0.027	0.024	-476.005	1
5123_5124	5123	5124	59.055	30.275	0.002	0.039	-0.011	443.569	1
5124_5124	5124	5124	-55.749	20.808	0	0.064	0.015	-434.024	1
5124_5125	5124	5125	55.076	26.626	0	-0.045	-0.016	419.357	1
5125_5125	5125	5125	-53.436	14.956	-0.003	-0.048	0.013	-418.881	1
5125_5126	5125	5126	44.616	33.059	0.002	0.068	0.006	354.489	1
5126_5126	5126	5126	-42.333	16.678	0	0.029	-0.025	-344.132	1
5126_5127	5126	5127	29.863	29.999	-0.002	-0.013	-0.022	262.778	1
5127_5127	5127	5127	-48.578	12.526	-0.001	-0.026	-0.021	-373.332	1
5127_5128	5127	5128	29.181	37.974	0.001	0.034	0.002	266.791	1
5128_5128	5128	5128	-35.544	13.966	-0.001	0.038	-0.021	-288.525	1
5128_5129	5128	5129	7.824	34.178	-0.001	-0.012	-0.004	148.879	1
5129_5129	5129	5129	-20.686	7.977	-0.006	-0.041	-0.027	-239.999	1
5129_5130	5129	5130	-14.739	41.025	0.001	0.064	0.034	7.149	1
5130_5130	5130	5130	-8.298	6.955	0.011	0.018	-0.109	-143.515	1
5130_5131	5130	5131	-25.733	42.683	-0.007	0.008	-0.028	-122.076	1
5131_5131	5131	5131	0.954	2.728	0.011	0	0.043	-39.208	1
5131_5132	5131	5132	-36.604	50.37	-0.007	0.01	-0.117	-325.653	1
5132_5132	5132	5132	4.649	46.087	0.002	-0.129	0.041	129.783	1
5132_5133	5132	5133	48.43	5.864	-0.009	0.059	-0.102	135.982	1
5133_5133	5133	5133	-15.073	40.465	0.004	-0.116	0.035	-34.409	1
5133_5134	5133	5134	53.964	9.427	-0.011	0.113	-0.166	198.209	1
5134_5134	5134	5134	-25.888	35.054	-0.011	0.125	0.055	-118.552	1
5134_5135	5134	5135	56.151	13.212	0.022	-0.29	0.019	231.277	1
5135_5135	5135	5135	-33.446	35.749	0.003	0.017	-0.03	-177.553	1
5135_5136	5135	5136	58.952	12.451	-0.003	-0.019	0.003	270.799	1
5136_5136	5136	5136	-42.429	30.203	0.004	-0.033	-0.006	-243.343	1
5136_5137	5136	5137	59.667	16.495	-0.006	0.031	-0.041	295.745	1
5137_5137	5137	5137	-47.589	25.104	0.003	0.019	0.023	-280.118	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5137_5138	5137	5138	57.24	21.138	-0.004	-0.026	-0.067	298.466	1
5138_5138	5138	5138	-53.381	29.76	-0.002	0.042	0.042	-318.906	1
5138_5139	5138	5139	60.946	18.508	0.003	-0.034	-0.045	339.625	1
5139_5139	5139	5139	-57.183	25.72	0	-0.039	0.029	-342.498	1
5139_5140	5139	5140	60.304	21.899	0.001	0.041	-0.037	345.138	1
5140_5140	5140	5140	-58.892	21.912	-0.002	0.043	0.026	-350.015	1
5140_5141	5140	5141	58.257	25.696	0.003	-0.04	-0.019	338.87	1
5141_5141	5141	5141	-59.195	18.508	0	-0.034	0.015	-345.672	1
5141_5142	5141	5142	54.131	29.728	0.001	0.041	-0.014	316.654	1
5142_5142	5142	5142	-54.943	21.194	0	0.002	0.018	-305.385	1
5142_5143	5142	5143	47.97	25.086	0	-0.001	-0.014	278.977	1
5143_5143	5143	5143	-56.918	16.537	0	0.002	0.022	-304.009	1
5143_5144	5143	5144	42.389	30.178	0	-0.001	-0.017	244.165	1
5144_5144	5144	5144	-55.741	12.478	0	0.002	0.023	-280.138	1
5144_5145	5144	5145	32.983	35.71	0	-0.002	-0.02	180.318	1
5145_5145	5145	5145	-52.501	12.667	-0.001	-0.01	0.021	-241.607	1
5145_5146	5145	5146	24.629	35.598	0.002	-0.003	-0.009	120.674	1
5146_5146	5146	5146	-49.338	8.894	-0.001	-0.012	0.014	-205.676	1
5146_5147	5146	5147	12.958	41.024	0.002	0.002	0.002	35.268	1
5147_5147	5147	5147	-42.55	5.332	-0.003	0.019	0.015	-141.847	1
5147_5148	5147	5148	-8.167	46.626	0.003	-0.02	0.033	-129.99	1
5148_5148	5148	5148	39.971	49.817	0.001	0.011	-0.009	277.616	1
5148_5149	5148	5149	-0.954	2.515	-0.001	-0.005	0.009	64.761	1
5149_5149	5149	5149	29.41	42.089	-0.001	0.005	0.016	81.031	1
5149_5150	5149	5150	8.84	6.785	-0.001	0.015	0.004	175.363	1
5150_5150	5150	5150	19.039	39.645	0	0.009	0.007	-38.698	1
5150_5151	5150	5151	20.694	8.926	0	-0.007	-0.001	265.723	1
5151_5151	5151	5151	-2.574	32.964	0	-0.002	0.009	-160.829	1
5151_5152	5151	5152	34.843	14.799	0	0.004	0.004	305.709	1
5152_5152	5152	5152	-22.167	36.47	0	0.001	0.01	-266.354	1
5152_5153	5152	5153	46.227	13.556	0	-0.001	0	383.242	1
5153_5153	5153	5153	-24.049	28.215	0	0	0.009	-240.222	1
5153_5154	5153	5154	42.264	17.566	0	-0.001	-0.004	329.827	1
5154_5154	5154	5154	-38.041	30.724	0	0.001	0.007	-319.33	1
5154_5155	5154	5155	51.356	16.191	0	-0.001	-0.007	389.228	1
5155_5155	5155	5155	-46.395	24.235	0	0.001	0.009	-366.614	1
5155_5156	5155	5156	50.577	22.059	0	-0.001	-0.009	388.549	1
5156_5156	5156	5156	-50.056	27.498	0.001	0.001	0.01	-387.597	1
5156_5157	5156	5157	55.707	19.316	-0.001	-0.001	-0.015	419.178	1
5157_5157	5157	5157	-54.246	21.671	0.001	0.001	0.018	-411.814	1
5157_5158	5157	5158	53.496	24.979	-0.001	-0.001	-0.023	407.123	1
5158_5158	5158	5158	-52.882	24.974	-0.001	-0.018	0.024	-404.512	1
5158_5159	5158	5159	54.502	21.761	0.002	0.014	-0.01	412.722	1
5159_5159	5159	5159	-54.915	19.304	0.001	0.014	0.014	-415.903	1
5159_5160	5159	5160	50.094	27.56	0	-0.019	-0.011	387.578	1
5160_5160	5160	5160	-49.521	22.072	-0.001	0.001	0.022	-384.18	1
5160_5161	5160	5161	46.053	24.438	0	-0.001	-0.014	364.725	1
5161_5161	5161	5161	-50.061	16.204	-0.001	0	0.011	-383.89	1
5161_5162	5161	5162	37.417	30.866	0	-0.001	-0.012	316.175	1
5162_5162	5162	5162	-40.647	17.474	0.003	0.009	0	-323.07	1
5162_5163	5162	5163	22.927	28.526	-0.002	-0.005	-0.029	234.58	1
5163_5163	5163	5163	-45.541	13.457	0.002	-0.014	0.049	-368.981	1
5163_5164	5163	5164	21.776	36.655	-0.001	0.016	-0.046	255.215	1
5164_5164	5164	5164	-33.624	14.548	-0.003	-0.02	0.069	-290.751	1
5164_5165	5164	5165	1.424	33.412	0.002	0.008	-0.036	147.576	1
5165_5165	5165	5165	-20.562	8.734	-0.001	0.015	0.031	-240.954	1
5165_5166	5165	5166	-20.371	39.928	0.001	-0.022	-0.044	20.458	1
5166_5166	5166	5166	-7.986	6.613	0.001	0.01	0.011	-153.548	1
5166_5167	5166	5167	-31.724	42.651	-0.001	0.005	-0.042	-101.034	1
5167_5167	5167	5167	2.243	2.477	0	-0.004	0.022	-47.065	1
5167_5168	5167	5168	-42.946	50.227	0.001	0.008	-0.028	-295.614	1
5168_5168	5168	5168	9.295	47.073	0	0.004	0.01	130.548	1
5168_5169	5168	5169	44.842	5.47	0.002	-0.008	-0.024	136.468	1
5169_5169	5169	5169	-13.431	41.653	0.001	-0.012	0.001	-31.48	1
5169_5170	5169	5170	51.978	8.9	-0.001	0.02	-0.022	199.002	1
5170_5170	5170	5170	-26.142	36.37	0	0.013	0.007	-116.285	1
5170_5171	5170	5171	55.595	12.513	0.001	-0.018	-0.014	234.475	1
5171_5171	5171	5171	-35.474	36.205	0	-0.031	0.005	-177.258	1
5171_5172	5171	5172	59.275	12.468	-0.001	0.024	-0.02	272.235	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5172_5172	5172	5172	-45.723	30.785	0	0.011	0.006	-241.317	1
5172_5173	5172	5173	60.877	16.397	0.001	-0.017	-0.012	296.737	1
5173_5173	5173	5173	-51.977	25.756	0	0.007	0.001	-277.896	1
5173_5174	5173	5174	59.316	20.903	0	-0.015	-0.008	300.804	1
5174_5174	5174	5174	-58.855	29.871	0.001	-0.037	-0.003	-317.201	1
5174_5175	5174	5175	64.045	18.681	0	0.03	-0.01	340.879	1
5175_5175	5175	5175	-63.131	25.925	0	0.036	0	-338.91	1
5175_5176	5175	5176	63.86	22.018	0.001	-0.038	-0.004	345.965	1
5176_5176	5176	5176	-65.22	22.195	0.001	-0.037	-0.004	-345.482	1
5176_5177	5176	5177	62.212	25.738	0	0.035	-0.007	339.966	1
5177_5177	5177	5177	-65.822	18.846	0	0.031	0.001	-340.888	1
5177_5178	5177	5178	58.39	29.676	0.001	-0.039	-0.002	318.873	1
5178_5178	5178	5178	-61.571	21.068	0	0.016	-0.002	-301.099	1
5178_5179	5178	5179	51.899	25.688	0	-0.008	0	279.748	1
5179_5179	5179	5179	-63.632	16.567	0	0.018	-0.005	-297.583	1
5179_5180	5179	5180	46.185	30.696	0	-0.012	0.004	243.53	1
5180_5180	5180	5180	-62.507	12.635	0.002	-0.024	-0.008	-273.61	1
5180_5181	5180	5181	36.505	36.096	0	0.03	0.001	180.011	1
5181_5181	5181	5181	-59.262	12.646	-0.001	0.019	0.007	-236.253	1
5181_5182	5181	5182	27.645	36.39	0	-0.015	0	118.988	1
5182_5182	5182	5182	-56.016	9.044	0.001	-0.019	0.003	-200.981	1
5182_5183	5182	5183	15.373	41.643	-0.001	0.011	-0.01	34.119	1
5183_5183	5183	5183	-49.539	5.611	-0.001	0.009	0.016	-137.522	1
5183_5184	5183	5184	-7.127	46.977	0	-0.005	-0.009	-125.743	1
5184_5184	5184	5184	40.652	51.709	0	-0.005	-0.009	313.028	1
5184_5185	5184	5185	10.176	2.489	0	0.007	-0.028	84.402	1
5185_5185	5185	5185	28.256	44.274	0.001	-0.004	-0.013	107.598	1
5185_5186	5185	5186	10.36	6.082	-0.001	-0.012	-0.004	149.395	1
5186_5186	5186	5186	15.05	41.391	0.002	-0.009	-0.006	-27.592	1
5186_5187	5186	5187	24.279	8.228	-0.001	0.006	-0.011	241.197	1
5187_5187	5187	5187	-9.108	34.849	0.002	0.005	0.01	-167.312	1
5187_5188	5187	5188	39.162	13.897	-0.001	-0.01	-0.029	298.902	1
5188_5188	5188	5188	-31.904	37.647	0.001	0.004	0.033	-284.779	1
5188_5189	5188	5189	52.846	13.156	0	-0.003	-0.033	383.273	1
5189_5189	5189	5189	-33.348	29.752	0.001	0.002	0.039	-280.329	1
5189_5190	5189	5190	48.223	17.218	0	-0.002	-0.036	360.265	1
5190_5190	5190	5190	-49.055	31.745	0.001	0.003	0.06	-372.645	1
5190_5191	5190	5191	59.281	16.422	-0.001	-0.003	-0.054	431.838	1
5191_5191	5191	5191	-58.055	25.457	0.001	0.003	0.074	-425.429	1
5191_5192	5191	5192	60.075	22.152	-0.001	-0.003	-0.071	438.977	1
5192_5192	5192	5192	-62.468	28.281	0	0.004	0.087	-451.441	1
5192_5193	5192	5193	66.213	19.888	0	-0.004	-0.074	475.864	1
5193_5193	5193	5193	-66.801	22.638	0.001	0.003	0.092	-477.249	1
5193_5194	5193	5194	64.863	25.41	0	-0.004	-0.078	467.536	1
5194_5194	5194	5194	-65.786	25.516	0.002	0.003	0.099	-471.326	1
5194_5195	5194	5195	66.229	22.64	-0.001	-0.004	-0.094	474.886	1
5195_5195	5195	5195	-67.721	20.059	0.002	0.003	0.118	-482.382	1
5195_5196	5195	5196	62.177	28.286	-0.001	-0.004	-0.112	450.165	1
5196_5196	5196	5196	-62.395	22.402	0.001	0.002	0.135	-449.477	1
5196_5197	5196	5197	57.915	25.627	-0.001	-0.003	-0.132	424.502	1
5197_5197	5197	5197	-62.473	16.783	0.001	0.002	0.142	-446.829	1
5197_5198	5197	5198	49.214	31.87	-0.001	-0.003	-0.15	372.885	1
5198_5198	5198	5198	-52.506	17.652	0.001	0.001	0.143	-381.191	1
5198_5199	5198	5199	33.775	30.045	-0.001	-0.002	-0.168	281.486	1
5199_5199	5199	5199	-57.618	13.707	0.001	-0.001	0.164	-405.684	1
5199_5200	5199	5200	33.361	37.966	-0.001	0	-0.192	289.559	1
5200_5200	5200	5200	-44.381	14.13	0	-0.005	0.162	-324.973	1
5200_5201	5200	5201	10.998	35.601	0	0.003	-0.195	174.497	1
5201_5201	5201	5201	-27.713	8.632	0	-0.003	0.22	-276.865	1
5201_5202	5201	5202	-12.869	42.071	-0.001	0.003	-0.305	42.536	1
5202_5202	5202	5202	-13.572	6.454	0.001	-0.02	0.195	-182.979	1
5202_5203	5202	5203	-25.336	45.149	-0.001	0.005	-0.305	-88.748	1
5203_5203	5203	5203	-1.815	2.56	0.002	-0.009	0.171	-69.804	1
5203_5204	5203	5204	-37.276	52.298	-0.002	0.011	-0.317	-288.466	1
5204_5204	5204	5204	2.597	47.929	-0.004	-0.007	0.253	109.902	1
5204_5205	5204	5205	52.941	6.731	0.007	0.014	-0.393	165.936	1
5205_5205	5205	5205	-18.85	42.913	-0.005	0.011	0.153	-52.597	1
5205_5206	5205	5206	59.428	10	0.008	-0.02	-0.25	234.623	1
5206_5206	5206	5206	-30.84	37.981	-0.003	-0.018	0.087	-139.906	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5206_5207	5206	5207	62.438	13.362	0.005	0.023	-0.191	269.939	1
5207_5207	5207	5207	-39.881	37.357	-0.001	0	0.038	-204.739	1
5207_5208	5207	5208	65.375	13.521	0.004	0.002	-0.137	306.713	1
5208_5208	5208	5208	-49.647	32.226	-0.001	0	0.01	-271.445	1
5208_5209	5208	5209	66.475	17.224	0.004	0.002	-0.093	331.06	1
5209_5209	5209	5209	-55.904	27.408	0	0	-0.011	-311.992	1
5209_5210	5209	5210	64.843	21.44	0.003	0.001	-0.056	336.582	1
5210_5210	5210	5210	-63.151	30.572	0.001	-0.041	-0.024	-357.335	1
5210_5211	5210	5211	69.115	19.899	0.002	0.036	-0.037	378.034	1
5211_5211	5211	5211	-67.088	26.838	0	0.041	-0.023	-379.245	1
5211_5212	5211	5212	68.606	23.096	0.003	-0.04	-0.011	382.762	1
5212_5212	5212	5212	-69.095	23.294	0.002	-0.04	-0.028	-386.722	1
5212_5213	5212	5213	66.831	26.63	0.001	0.04	-0.002	377.039	1
5213_5213	5213	5213	-69.813	20.085	0.001	0.037	-0.016	-383.65	1
5213_5214	5213	5214	63.139	30.357	0.002	-0.041	0.013	356.938	1
5214_5214	5214	5214	-65.752	21.615	0.001	0.029	-0.01	-344.044	1
5214_5215	5214	5215	56.118	27.287	-0.001	-0.019	0	313.238	1
5215_5215	5215	5215	-67.6	17.395	0.003	-0.028	-0.007	-340.507	1
5215_5216	5215	5216	50.145	32.09	-0.003	0.032	-0.025	274.768	1
5216_5216	5216	5216	-66.678	13.681	0.001	0.024	0.022	-317.972	1
5216_5217	5216	5217	40.678	37.206	-0.002	-0.018	-0.04	210.245	1
5217_5217	5217	5217	-63.876	13.458	0.001	0.096	0.04	-282.823	1
5217_5218	5217	5218	31.877	37.945	0.006	-0.007	0.008	147.265	1
5218_5218	5218	5218	-60.902	10.093	0.005	0.063	0.05	-248.513	1
5218_5219	5218	5219	20.061	42.857	0.002	-0.005	0.015	61.415	1
5219_5219	5219	5219	-54.526	6.801	0.019	-0.095	0.084	-180.297	1
5219_5220	5219	5220	-1.609	47.791	-0.009	0.105	-0.101	-97.349	1
5220_5220	5220	5220	35.54	52.472	-0.001	0.068	0.052	246.775	1
5220_5221	5220	5221	9.589	2.886	0.008	-0.02	-0.212	74.354	1
5221_5221	5221	5221	22.233	45.566	-0.003	0.033	0.058	43.428	1
5221_5222	5221	5222	16.247	6.66	0.004	0.044	-0.007	202.759	1
5222_5222	5222	5222	7.755	42.591	0.002	0.145	0.073	-94.939	1
5222_5223	5222	5223	31.445	8.882	-0.007	-0.089	-0.068	298.015	1
5223_5223	5223	5223	-18.967	36.291	-0.002	-0.029	0.101	-227.086	1
5223_5224	5223	5224	49.794	14.177	-0.001	0.083	-0.047	349.654	1
5224_5224	5224	5224	-43.125	38.625	0.005	0.135	0.088	-344.723	1
5224_5225	5224	5225	64.44	13.96	-0.004	-0.104	-0.086	436.089	1
5225_5225	5225	5225	-37.125	30.217	0.001	-0.031	0.157	-335.474	1
5225_5226	5225	5226	52.468	17.868	-0.001	0.088	-0.114	416.239	1
5226_5226	5226	5226	-54.294	31.657	0.005	0.192	0.171	-445.645	1
5226_5227	5226	5227	63.931	18.247	-0.002	-0.132	-0.172	498.564	1
5227_5227	5227	5227	-62.238	25.331	0.001	-0.105	0.24	-496.552	1
5227_5228	5227	5228	63.391	24.091	0.001	0.163	-0.179	499.552	1
5228_5228	5228	5228	-63.376	27.051	0.008	0.2	0.264	-503.501	1
5228_5229	5228	5229	65.629	22.49	-0.004	-0.139	-0.256	516.079	1
5229_5229	5229	5229	-66.208	20.931	0.004	-0.11	0.37	-520.304	1
5229_5230	5229	5230	61.141	28.67	-0.001	0.166	-0.298	488.68	1
5230_5230	5230	5230	-62.599	22.077	0.007	0.151	0.43	-494.153	1
5230_5231	5230	5231	57.027	27.297	-0.008	-0.095	-0.432	463.032	1
5231_5231	5231	5231	-61.598	16.262	0.004	-0.073	0.515	-482.207	1
5231_5232	5231	5232	46.334	33.884	-0.004	0.12	-0.519	395.032	1
5232_5232	5232	5232	-60.924	17.993	-0.006	0.119	0.546	-472.104	1
5232_5233	5232	5233	45.233	33.786	0.002	-0.063	-0.526	387.731	1
5233_5233	5233	5233	-61.751	14.74	-0.011	0.014	0.752	-474.219	1
5233_5234	5233	5234	41.163	38.84	0.007	0.008	-0.772	371.818	1
5234_5234	5234	5234	-54.243	11.463	-0.014	-0.083	0.661	-426.566	1
5234_5235	5234	5235	25.17	42.705	0.013	0.106	-0.657	285.053	1
5235_5235	5235	5235	-49.341	12.225	0.087	0.103	0.549	-409.934	1
5235_5236	5235	5236	21.769	43.1	-0.085	-0.039	-1.086	277.886	1
5236_5236	5236	5236	-30.509	9.305	0.125	-0.01	1.585	-374.166	1
5236_5237	5236	5237	-3.877	46.086	-0.131	0.082	-2.791	155.489	1
5237_5237	5237	5237	-23.165	7.149	0.114	-0.192	2.554	-331.672	1
5237_5238	5237	5238	-10.558	50.65	-0.129	0.247	-3.655	98.853	1
5238_5238	5238	5238	-12.698	12.1	-0.147	0.14	3.089	-223.887	1
5238_5239	5238	5239	-21.662	40.786	0.149	-0.084	-2.215	-38.575	1
5239_5239	5239	5239	-6.182	8.041	-0.14	-0.032	1.455	-152.225	1
5239_5240	5239	5240	-29.719	45.274	0.158	0.03	-0.452	-165.649	1
5240_5240	5240	5240	-16.682	38.973	0.088	0.061	-0.879	19.366	1
5240_5241	5240	5241	60.251	11.497	-0.094	0.001	-0.4	232.872	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5241_5241	5241	5241	-42.056	35.448	0.084	-0.124	0.148	-193.09	1
5241_5242	5241	5242	69.681	17.371	-0.107	0.23	-0.951	330.51	1
5242_5242	5242	5242	-44.202	31.799	0.078	-0.115	0.555	-216.593	1
5242_5243	5242	5243	68.054	20.593	-0.111	0.268	-1.637	329.456	1
5243_5243	5243	5243	-40.331	39.679	-0.043	0.162	0.808	-191.748	1
5243_5244	5243	5244	67.066	13.012	0.074	-0.096	-0.876	336.276	1
5244_5244	5244	5244	-53.08	33.669	-0.026	-0.061	0.216	-292.933	1
5244_5245	5244	5245	68.753	17.174	0.059	0.138	-0.246	370.746	1
5245_5245	5245	5245	-60.6	31.051	-0.008	0.196	-0.139	-347.606	1
5245_5246	5245	5246	68.802	19.187	0.023	-0.12	0.016	390.262	1
5246_5246	5246	5246	-68.314	25.635	0.003	-0.089	-0.299	-399.437	1
5246_5247	5246	5247	68.305	24.381	0.01	0.158	0.136	401.041	1
5247_5247	5247	5247	-71.183	24.52	-0.016	0.189	-0.33	-408.553	1
5247_5248	5247	5248	66.962	25.704	0.018	-0.11	0.308	399.148	1
5248_5248	5248	5248	-72.17	19.3	-0.004	-0.071	-0.536	-395.875	1
5248_5249	5248	5249	59.32	31.008	0.01	0.143	0.435	342.474	1
5249_5249	5249	5249	-72.732	17.252	-0.012	0.128	-0.608	-376.178	1
5249_5250	5249	5250	52.017	33.805	0.012	-0.054	0.581	283.764	1
5250_5250	5250	5250	-72.914	13.344	0.003	-0.062	-0.713	-354.121	1
5250_5251	5250	5251	41.713	39.957	0.006	0.111	0.69	196.025	1
5251_5251	5251	5251	-74.411	21.478	0.107	0.155	-0.648	-350.853	1
5251_5252	5251	5252	46.609	32.359	-0.099	-0.074	0.135	223.891	1
5252_5252	5252	5252	-75.681	18.176	0.108	0.042	0.003	-347.053	1
5252_5253	5252	5253	43.286	35.66	-0.111	-0.024	-0.588	188.077	1
5253_5253	5253	5253	-71.663	13.679	0.103	-0.121	0.575	-290.878	1
5253_5254	5253	5254	28.541	39.149	-0.12	0.091	-1.76	58.668	1
5254_5254	5254	5254	13.443	42.049	0.097	0.567	0.805	-36.176	1
5254_5255	5254	5255	10.545	17.606	-0.171	-0.144	-1.963	216.951	1
5255_5255	5255	5255	27.08	44.967	-0.116	0.078	0.649	157.213	1
5255_5256	5255	5256	9.994	8.653	0.157	-0.038	0.036	181.465	1
5256_5256	5256	5256	14.253	40.375	-0.109	-0.009	-0.901	-34.707	1
5256_5257	5256	5257	19.55	13.558	0.159	0.185	1.67	276.141	1
5257_5257	5257	5257	3.978	50.836	0.057	0.211	-1.873	-146.814	1
5257_5258	5257	5258	30.161	7.756	-0.061	-0.173	1.377	171.622	1
5258_5258	5258	5258	-4.642	46.981	0.051	0.109	-1.456	-216.147	1
5258_5259	5258	5259	38.119	9.803	-0.058	-0.056	0.995	416.169	1
5259_5259	5259	5259	-22.531	42.781	0.029	-0.029	-0.634	-265.957	1
5259_5260	5259	5260	55.18	12.224	-0.033	0.084	0.405	417.51	1
5260_5260	5260	5260	-39.677	43.555	0.029	0.165	-0.386	-358.129	1
5260_5261	5260	5261	65.748	12.297	-0.023	-0.137	0.288	476.397	1
5261_5261	5261	5261	-49.648	40.046	0.023	0.025	-0.178	-407.525	1
5261_5262	5261	5262	70.69	14.772	-0.021	0.002	0.156	504.455	1
5262_5262	5262	5262	-47.035	33.461	0.014	-0.003	0.014	-350.094	1
5262_5263	5262	5263	66.619	17.62	-0.016	0.05	-0.087	439.159	1
5263_5263	5263	5263	-58.683	33.759	0.01	0.116	0.189	-418.96	1
5263_5264	5263	5264	73.732	17.637	-0.005	-0.078	-0.183	486.343	1
5264_5264	5264	5264	-67.372	27.769	0.008	-0.029	0.319	-470.819	1
5264_5265	5264	5265	73.831	22.883	-0.004	0.067	-0.26	492.501	1
5265_5265	5265	5265	-70.099	28.773	0.014	0.153	0.424	-488.542	1
5265_5266	5265	5266	76.324	22.085	-0.009	-0.107	-0.42	511.034	1
5266_5266	5266	5266	-74.465	23.116	0.009	-0.063	0.59	-514.663	1
5266_5267	5266	5267	73.428	27.823	-0.006	0.107	-0.546	498.476	1
5267_5267	5267	5267	-72.254	24.164	0.01	0.169	0.694	-502.341	1
5267_5268	5267	5268	70.709	26.721	-0.01	-0.117	-0.72	486.359	1
5268_5268	5268	5268	-72.315	18.811	0.004	-0.086	0.791	-500.909	1
5268_5269	5268	5269	62.037	32.59	-0.005	0.132	-0.819	440.331	1
5269_5269	5269	5269	-72.965	20.562	0.009	0.147	0.817	-501.767	1
5269_5270	5269	5270	62.226	32.146	-0.015	-0.095	-0.98	443.833	1
5270_5270	5270	5270	-70.606	16.587	0.005	0	0.864	-484.368	1
5270_5271	5270	5271	52.749	36.701	-0.011	0.029	-1.083	391.73	1
5271_5271	5271	5271	-65.244	14.044	0.003	-0.137	1.177	-522.932	1
5271_5272	5271	5272	43.955	41.607	-0.01	0.18	-1.498	409.865	1
5272_5272	5272	5272	-57.979	14.47	0.061	0.137	1.137	-476.755	1
5272_5273	5272	5273	31.685	40.742	-0.061	-0.067	-1.895	348.212	1
5273_5273	5273	5273	-51.593	11.92	0.056	0.003	1.493	-448.254	1
5273_5274	5273	5274	20.553	44.311	-0.061	0.04	-2.255	294.344	1
5274_5274	5274	5274	-29.535	8.576	0.073	-0.217	2.683	-381.014	1
5274_5275	5274	5275	-12.346	47.674	-0.092	0.313	-4.534	102.089	1
5275_5275	5275	5275	-18.795	14.157	-0.274	0.057	3.135	-306.809	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5275_5276	5275	5276	-17.062	40.036	0.228	0.033	-2.195	60.271	1
5276_5276	5276	5276	-12.516	10.533	-0.271	-0.14	0.118	-262.772	1
5276_5277	5276	5277	-23.569	44.851	0.254	0.16	0.595	-19.609	1
5277_5277	5277	5277	-7.7	15.179	0.217	-0.304	-2.639	-212.711	1
5277_5278	5277	5278	-23.147	41.351	-0.08	0.1	0.435	-27.752	1
5278_5278	5278	5278	-31.52	35.925	0.113	0.216	-0.919	-96.283	1
5278_5279	5278	5279	70.612	16.798	-0.062	-0.109	-0.385	320.358	1
5279_5279	5279	5279	-43.747	32.438	0.108	0.059	0.087	-198.896	1
5279_5280	5279	5280	72.626	21.448	-0.082	0.077	-0.87	349.37	1
5280_5280	5280	5280	-35.613	34.757	-0.04	0.111	0.633	-143.848	1
5280_5281	5280	5281	67.506	15.472	0.053	-0.088	-0.293	321.874	1
5281_5281	5281	5281	-44.321	27.385	-0.026	-0.026	0.055	-209.014	1
5281_5282	5281	5282	63.016	20.938	0.045	0.081	0.253	309.143	1
5282_5282	5282	5282	-45.451	27.964	0.037	0.216	-0.897	-257.415	1
5282_5283	5282	5283	54.583	20.483	0.029	-0.136	1.092	334.7	1
5283_5283	5283	5283	-52.596	21.606	0.079	-0.125	-0.311	-307.705	1
5283_5284	5283	5284	49.17	27.392	-0.008	0.231	0.831	301.238	1
5284_5284	5284	5284	-56.135	24.07	0.019	0.179	0.901	-310.304	1
5284_5285	5284	5285	47.569	23.976	-0.056	-0.091	-0.142	295.02	1
5285_5285	5285	5285	-63.165	18.61	0.028	-0.091	1.179	-346.17	1
5285_5286	5285	5286	44.573	30.682	-0.067	0.16	-1.102	262.712	1
5286_5286	5286	5286	-64.803	20.804	-0.108	0.291	1.275	-315.915	1
5286_5287	5286	5287	39.539	28.437	0.144	-0.116	0.343	200.262	1
5287_5287	5287	5287	-69.524	15.112	-0.03	-0.085	0.178	-320.446	1
5287_5288	5287	5288	32.933	35.321	0.127	0.155	1.736	109.567	1
5288_5288	5288	5288	-77.016	24.379	0.285	0.435	0.055	-384.467	1
5288_5289	5288	5289	46.982	32.475	-0.353	-0.418	0.206	226.064	1
5289_5289	5289	5289	-74.984	19.817	0.265	0.261	1.573	-329.464	1
5289_5290	5289	5290	34.495	34.579	-0.382	-0.368	-3.524	74.572	1
5290_5290	5290	5290	7.853	44.425	0.523	-0.421	0.754	10.919	1
5290_5291	5290	5291	9.961	12.219	-0.847	0.586	-9.471	206.561	1
5291_5291	5291	5291	0.969	45.533	-0.479	0.284	5.104	-110.098	1
5291_5292	5291	5292	17.676	10.022	0.646	-0.171	-2.083	312.095	1
5292_5292	5292	5292	-11.338	40.46	-0.441	-0.175	-0.329	-276.589	1
5292_5293	5292	5293	25.832	14.614	0.637	0.381	4.516	401.248	1
5293_5293	5293	5293	-23.497	46.721	0.089	0.5	-4.536	-416.475	1
5293_5294	5293	5294	35.805	10.619	-0.12	-0.35	3.803	525.224	1
5294_5294	5294	5294	-39.384	42.209	0.055	0.073	-2.541	-475.567	1
5294_5295	5294	5295	48.703	13.598	-0.076	-0.02	2.041	547.728	1
5295_5295	5295	5295	-47.966	37.884	0.05	-0.157	-2.041	-550.948	1
5295_5296	5295	5296	52.677	17.249	-0.072	0.237	1.515	593.323	1
5296_5296	5296	5296	-60.816	43.26	0.05	0.306	-1.602	-687.87	1
5296_5297	5296	5297	63.023	14.588	-0.046	-0.234	1.383	705.838	1
5297_5297	5297	5297	-48.787	38.612	0.071	0.27	-2.047	-700.656	1
5297_5298	5297	5298	51.888	16.518	-0.072	-0.176	1.491	734.817	1
5298_5298	5298	5298	-55.362	33.914	0.062	-0.314	-1.342	-788.835	1
5298_5299	5298	5299	55.524	20.889	-0.076	0.408	0.817	785.44	1
5299_5299	5299	5299	-55.952	36.427	0.003	0.702	-0.774	-797.468	1
5299_5300	5299	5300	58.32	17.685	-0.001	-0.515	0.793	824.369	1
5300_5300	5300	5300	-61.425	30.203	-0.001	-0.421	-0.721	-871.002	1
5300_5301	5300	5301	60.771	23.165	0.005	0.549	0.831	858.608	1
5301_5301	5301	5301	-63.688	33.043	0.02	0.707	-0.702	-901.672	1
5301_5302	5301	5302	65.897	20.649	-0.022	-0.538	0.535	928.026	1
5302_5302	5302	5302	-68.852	27.325	0.014	-0.507	-0.435	-970.559	1
5302_5303	5302	5303	68.571	26.682	-0.017	0.653	0.317	964.58	1
5303_5303	5303	5303	-66.306	30.161	0.004	0.777	-0.27	-936.351	1
5303_5304	5303	5304	69.684	23.254	-0.009	-0.62	0.186	980.189	1
5304_5304	5304	5304	-70.1	24.674	-0.003	-0.613	-0.227	-985.795	1
5304_5305	5304	5305	71.391	29.552	-0.002	0.8	0.169	1003.664	1
5305_5305	5305	5305	-65.481	27.848	0.019	0.614	-0.269	-922.133	1
5305_5306	5305	5306	70.801	25.614	-0.024	-0.526	-0.103	996.299	1
5306_5306	5306	5306	-63.451	21.623	0.013	-0.368	-0.063	-891.325	1
5306_5307	5306	5307	67.62	31.505	-0.019	0.53	-0.292	954.212	1
5307_5307	5307	5307	-56.577	23.4	0.005	0.624	0.061	-793.96	1
5307_5308	5307	5308	65.806	28.246	-0.011	-0.597	-0.369	929.843	1
5308_5308	5308	5308	-48.294	16.124	0	-0.353	0.071	-674.693	1
5308_5309	5308	5309	58.886	34.311	-0.005	0.603	-0.365	836.772	1
5309_5309	5309	5309	-35.284	14.281	-0.012	0.354	0.029	-490.895	1
5309_5310	5309	5310	52.516	32.449	-0.002	-0.45	-0.308	749.841	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5310_5310	5310	5310	-25.102	8.148	-0.011	-0.174	-0.114	-347.73	1
5310_5311	5310	5311	39.874	39.498	0.014	0.461	0.088	577.897	1
5311_5311	5311	5311	-13.595	5.13	0.006	0.148	-0.143	-188.206	1
5311_5312	5311	5312	20.995	42.542	-0.016	-0.189	0.12	320.843	1
5312_5312	5312	5312	-0.341	2.233	0.149	0.037	-1.615	11.465	1
5312_5313	5312	5313	-3.507	52.191	-0.014	0.307	0	-14.433	1
5400_5020	5400	5020	17.845	1.087	0.152	0.003	0.743	95.541	1
5400_5401	5400	5401	-28.528	16.623	-0.133	-0.001	1.694	332.712	1
5401_5401	5401	5401	16.231	1.177	-0.059	-0.098	1.258	88.016	1
5401_5402	5401	5402	-24.93	13.253	-0.137	-0.406	0.965	294.948	1
5402_5402	5402	5402	22.749	1.635	-0.104	0.041	1.256	94.947	1
5402_5403	5402	5403	-25.241	12.651	-0.096	0.131	0.07	156.785	1
5403_5403	5403	5403	29.198	2.445	0.006	-0.018	0.163	82.215	1
5403_5404	5403	5404	-19.865	9.472	-0.016	-0.034	0.04	91.692	1
5404_5404	5404	5404	32.929	3.168	-0.019	0.029	0.243	67.848	1
5404_5405	5404	5405	-20.076	9.016	-0.002	0.037	0.049	26.606	1
5405_5405	5405	5405	39.896	4.47	-0.009	0.005	0.125	48.534	1
5405_5406	5405	5406	-17.513	7.108	-0.013	0.001	-0.138	-77.955	1
5406_5406	5406	5406	44.748	6.035	0.034	0.044	-0.001	-12.827	1
5406_5407	5406	5407	-16.35	6.133	0.009	0.073	-0.081	-135.097	1
5407_5407	5407	5407	44.611	6.974	-0.035	-0.059	0.26	-66.291	1
5407_5408	5407	5408	-16.284	5.79	0.029	-0.121	-0.005	-167.87	1
5408_5408	5408	5408	4.105	0.141	-0.04	0.003	0.144	-16.677	1
5408_5409	5408	5409	-19.105	9.219	-0.033	-0.019	-0.216	-175.184	1
5409_5409	5409	5409	17.694	9.092	-0.069	0.013	-0.203	177.137	1
5409_5410	5409	5410	9.999	0.133	-0.044	0.007	-0.213	-36.569	1
5410_5410	5410	5410	16.119	5.731	0.016	0.085	-0.42	166.969	1
5410_5411	5410	5411	-49.744	7.279	-0.014	0.043	0.369	64.765	1
5411_5411	5411	5411	16.041	6.068	0.03	-0.046	-0.275	134.927	1
5411_5412	5411	5412	-48.367	6.242	-0.066	-0.032	-0.202	10.905	1
5412_5412	5412	5412	16.393	6.988	0.013	0.001	-0.046	79.447	1
5412_5413	5412	5413	-49.937	4.682	0.012	-0.005	-0.067	-55.256	1
5413_5413	5413	5413	18.27	8.789	-0.015	-0.035	0.177	-24.757	1
5413_5414	5413	5414	-52.133	3.26	0.028	-0.036	0.136	-77.606	1
5414_5414	5414	5414	20.302	9.236	-0.002	0.038	0.041	-89.214	1
5414_5415	5414	5415	-48.043	2.128	-0.015	0.024	-0.01	-89.486	1
5415_5415	5415	5415	25.272	12.352	-0.122	0.225	0.101	-152.09	1
5415_5416	5415	5416	-45.524	0.936	0.088	0.075	0.924	-91.602	1
5416_5416	5416	5416	25.724	12.975	-0.198	-0.708	-0.982	-285.779	1
5416_5417	5416	5417	-2.869	0.221	0.04	-0.043	0.446	-14.772	1
5417_5417	5417	5417	29.732	16.263	-0.107	-0.009	-1.958	-320.823	1
5417_5036	5417	5036	-3.023	0.197	0.097	0.002	0.844	-15.807	1
5420_5056	5420	5056	14.133	0.483	0.105	0.002	0.512	61.013	1
5420_5421	5420	5421	-29.584	15.384	-0.107	-0.002	1.055	286.104	1
5421_5421	5421	5421	12.733	0.567	-0.056	-0.01	0.847	56.181	1
5421_5422	5421	5422	-25.792	11.96	-0.076	-0.101	0.614	252.964	1
5422_5422	5422	5422	19.295	0.941	-0.076	0.008	0.79	65.809	1
5422_5423	5422	5423	-26.071	11.338	-0.063	0.033	-0.033	129.186	1
5423_5423	5423	5423	25.971	1.621	0.018	-0.015	-0.039	61.754	1
5423_5424	5423	5424	-20.328	8.227	-0.01	-0.029	-0.047	74.101	1
5424_5424	5424	5424	49.251	2.536	-0.03	0.02	0.263	66.13	1
5424_5425	5424	5425	-18.469	7.751	0.003	0.031	0.003	17.712	1
5425_5425	5425	5425	46.897	3.822	-0.011	-0.003	0.06	48.924	1
5425_5426	5425	5426	-16.836	6.002	-0.008	0.001	-0.095	-71.165	1
5426_5426	5426	5426	45.155	5.27	0.063	0.04	-0.121	-4.928	1
5426_5427	5426	5427	-16.56	5.086	-0.005	0.094	-0.136	-117.342	1
5427_5427	5427	5427	46.485	6.216	-0.046	-0.08	0.384	-50.302	1
5427_5428	5427	5428	-16.661	4.746	0.027	-0.161	-0.103	-143.72	1
5428_5428	5428	5428	-10.293	0.373	-0.053	-0.06	-0.444	31.926	1
5428_5429	5428	5429	-17.951	8.237	-0.016	0.005	-0.047	-155.68	1
5429_5429	5429	5429	17.911	8.238	-0.044	0.037	-0.258	155.453	1
5429_5430	5429	5430	9.09	0.295	-0.052	-0.002	-0.099	-28.588	1
5430_5430	5430	5430	16.694	4.716	0.016	-0.018	-0.136	143.542	1
5430_5431	5430	5431	-45.535	5.914	-0.067	-0.006	0.356	45.846	1
5431_5431	5431	5431	16.588	5.075	0.012	0.011	-0.061	117.374	1
5431_5432	5431	5432	-41.287	5.018	0.056	0.013	-0.003	7.764	1
5432_5432	5432	5432	16.908	5.97	0	0.001	0.011	71.216	1
5432_5433	5432	5433	-35.212	3.571	-0.006	0.005	-0.084	-39.949	1
5433_5433	5433	5433	18.566	7.701	0.008	0.013	0.031	-17.247	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5433_5434	5433	5434	-30.299	2.399	0.002	0.013	-0.044	-54.993	1
5434_5434	5434	5434	20.408	8.16	0.002	-0.014	0.101	-73.397	1
5434_5435	5434	5435	-26.368	1.751	0.011	-0.005	0.05	-64.272	1
5435_5435	5435	5435	26.142	11.286	-0.036	-0.08	0.159	-128.035	1
5435_5436	5435	5436	-18.365	1.034	-0.04	-0.02	-0.375	-68.41	1
5436_5436	5436	5436	25.87	11.897	-0.006	0.258	-0.326	-251.39	1
5436_5437	5436	5437	-12.404	0.669	-0.053	0.067	-0.552	-59.953	1
5437_5437	5437	5437	29.59	15.371	-0.18	-0.018	-0.113	-284.516	1
5437_5072	5437	5072	-13.678	0.58	0.118	0	-0.044	-65.045	1
5440_5094	5440	5094	13.119	0.556	0.072	0	0.305	60.639	1
5440_5441	5440	5441	-28.924	15.077	-0.049	-0.004	0.556	274.438	1
5441_5441	5441	5441	11.39	0.622	-0.031	-0.034	0.531	54.878	1
5441_5442	5441	5442	-25.285	11.563	-0.056	-0.194	0.312	241.999	1
5442_5442	5442	5442	18.488	0.979	-0.058	0.018	0.575	65.348	1
5442_5443	5442	5443	-25.555	10.953	-0.032	0.066	0.039	122.328	1
5443_5443	5443	5443	24.618	1.652	0.023	-0.025	-0.077	60.399	1
5443_5444	5443	5444	-19.857	7.83	-0.015	-0.042	-0.078	69.959	1
5444_5444	5444	5444	44.206	2.346	-0.032	0.03	0.246	60.851	1
5444_5445	5444	5445	-18.051	7.381	0.005	0.043	-0.005	16.216	1
5445_5445	5445	5445	43.008	3.6	-0.002	-0.004	0.043	45.288	1
5445_5446	5445	5446	-16.515	5.688	0.003	0	0.043	-67.959	1
5446_5446	5446	5446	42.877	4.973	0.001	0.005	0.013	-4.729	1
5446_5447	5446	5447	-16.228	4.82	-0.061	0.019	-0.512	-111.757	1
5447_5447	5447	5447	44.273	5.867	-0.024	-0.021	0.019	-47.296	1
5447_5448	5447	5448	-16.283	4.485	-0.053	-0.032	-0.835	-136.828	1
5448_5448	5448	5448	-9.606	0.307	0.009	-0.021	-0.024	30.403	1
5448_5449	5448	5449	-17.635	7.934	0.004	-0.131	-0.85	-148.281	1
5449_5449	5449	5449	17.3	7.894	0.006	-0.107	0.697	148.232	1
5449_5450	5449	5450	7.205	0.219	0.002	0.025	-0.257	-23.366	1
5450_5450	5450	5450	16.209	4.488	-0.056	0.024	0.726	136.696	1
5450_5451	5450	5451	-43.499	5.786	-0.044	0.008	0.348	46.286	1
5451_5451	5451	5451	16.274	4.832	-0.052	-0.013	0.417	111.154	1
5451_5452	5451	5452	-41.991	4.88	-0.056	-0.011	-0.136	4.665	1
5452_5452	5452	5452	16.314	5.69	0.007	0.001	-0.07	67.843	1
5452_5453	5452	5453	-42.88	3.549	0.01	-0.004	0.005	-45.009	1
5453_5453	5453	5453	17.703	7.364	-0.001	0.008	0.042	-16.449	1
5453_5454	5453	5454	-43.023	2.336	-0.013	0.001	-0.087	-59.865	1
5454_5454	5454	5454	19.413	7.808	-0.004	-0.006	0.041	-70.12	1
5454_5455	5454	5455	-25.429	1.66	0.005	0	0.007	-61.96	1
5455_5455	5455	5455	24.953	10.895	-0.031	0.054	0.094	-122.467	1
5455_5456	5455	5456	-19.21	0.972	-0.049	0.016	-0.49	-66.712	1
5456_5456	5456	5456	24.682	11.496	-0.051	-0.171	-0.178	-241.38	1
5456_5457	5456	5457	-12.911	0.588	-0.029	-0.03	-0.505	-57.596	1
5457_5457	5457	5457	28.248	15.033	-0.041	-0.001	-0.493	-273.467	1
5457_5110	5457	5110	-14.662	0.503	0.043	0.001	-0.397	-63.171	1
5460_5132	5460	5132	11.116	1.572	-0.128	-0.003	0.913	76.784	1
5460_5461	5460	5461	-32.513	17.008	0.491	0.011	0.074	304.344	1
5461_5461	5461	5461	9.336	1.613	-0.04	0.049	0.356	67.667	1
5461_5462	5461	5462	-32.635	13.136	0.039	0.184	0.156	258.543	1
5462_5462	5462	5462	12.671	1.871	-0.034	-0.014	0.222	66.773	1
5462_5463	5462	5463	-28.467	12.412	0.013	-0.059	0.215	131.168	1
5463_5463	5463	5463	16.776	2.296	-0.002	0.043	-0.276	49.426	1
5463_5464	5463	5464	-23.127	8.82	0.036	0.101	0.118	72.139	1
5464_5464	5464	5464	20.3	2.723	0.056	-0.047	-0.362	35.53	1
5464_5465	5464	5465	-22.676	8.288	-0.02	-0.106	-0.104	12.736	1
5465_5465	5465	5465	51.187	3.665	-0.003	-0.003	0.078	63.42	1
5465_5466	5465	5466	-18.189	6.267	0.009	0.001	0.051	-77.717	1
5466_5466	5466	5466	52.603	5.382	-0.005	-0.026	0.03	13.502	1
5466_5467	5466	5467	-17.3	5.249	0.03	-0.082	0.281	-124.547	1
5467_5467	5467	5467	54.391	6.473	0.099	0.035	0	-31.997	1
5467_5468	5467	5468	-16.796	4.902	0.003	0.142	0.404	-151.952	1
5468_5468	5468	5468	7.536	1.199	-0.016	0.007	0.127	-63.251	1
5468_5469	5468	5469	-42.303	9.621	-0.031	0.011	-0.115	-107.073	1
5469_5469	5469	5469	38.416	9.345	-0.025	0.024	-0.174	111.564	1
5469_5470	5469	5470	13.556	1.26	0	-0.007	0.016	-15.275	1
5470_5470	5470	5470	15.802	5.046	0.025	-0.059	-0.156	150.274	1
5470_5471	5470	5471	-34.633	6.129	-0.019	-0.034	0	74.874	1
5471_5471	5471	5471	16.013	5.38	0.015	0.033	-0.057	122.111	1
5471_5472	5471	5472	-33.896	5.411	0.009	0.022	0.056	28.06	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5472_5472	5472	5472	17.387	6.354	-0.005	0	0.07	73.615	1
5472_5473	5472	5473	-31.292	4.163	-0.01	0.002	-0.07	-30.136	1
5473_5473	5473	5473	19.897	8.206	-0.002	0.003	-0.005	-17.965	1
5473_5474	5473	5474	-27.928	3.117	0.008	0.004	0.009	-50.989	1
5474_5474	5474	5474	20.28	8.673	-0.003	-0.002	-0.017	-76.838	1
5474_5475	5474	5475	-24.677	2.501	0.009	0	0.074	-66.627	1
5475_5475	5475	5475	25.494	11.927	0.004	-0.021	-0.095	-135.514	1
5475_5476	5475	5476	-21.228	1.809	-0.039	-0.007	-0.371	-83.527	1
5476_5476	5476	5476	29.428	12.585	0.013	0.085	-0.093	-258.204	1
5476_5477	5476	5477	-16.643	1.36	-0.042	0.033	-0.485	-81.155	1
5477_5477	5477	5477	29.287	16.141	0.006	-0.001	0.086	-302.102	1
5477_5148	5477	5148	-17.506	1.31	-0.061	-0.003	-0.724	-87.995	1
5480_5168	5480	5168	13.535	1.114	-0.04	-0.005	0.433	72.1	1
5480_5481	5480	5481	-32.098	16.629	-0.083	-0.014	-0.608	313.751	1
5481_5481	5481	5481	12.273	1.181	-0.048	0.119	0.323	65.384	1
5481_5482	5481	5482	-32.221	13.13	0.074	0.497	-0.061	267.965	1
5482_5482	5482	5482	16.955	1.536	-0.014	-0.04	0.086	68.258	1
5482_5483	5482	5483	-28.022	12.413	0.007	-0.165	-0.202	140.774	1
5483_5483	5483	5483	22.202	2.137	-0.012	0.03	-0.022	55.359	1
5483_5484	5483	5484	-22.436	9.12	0.021	0.057	0.008	79.259	1
5484_5484	5484	5484	24.895	2.681	0.023	-0.027	-0.14	41.758	1
5484_5485	5484	5485	-22.004	8.606	-0.007	-0.059	-0.083	17.544	1
5485_5485	5485	5485	28.511	3.675	-0.007	0.002	0.048	24.007	1
5485_5486	5485	5486	-19.079	6.682	0.007	0	0.031	-78.741	1
5486_5486	5486	5486	31.928	4.941	0.022	-0.014	-0.032	-27.163	1
5486_5487	5486	5487	-17.008	5.653	0.019	-0.031	0.219	-129.907	1
5487_5487	5487	5487	55.254	6.033	0.038	0.01	-0.068	-21.157	1
5487_5488	5487	5488	-17.121	5.302	0.009	0.059	0.311	-159.377	1
5488_5488	5488	5488	-15.376	1.3	0.003	-0.007	-0.097	19.561	1
5488_5489	5488	5489	-41.709	9.895	0.002	0.021	0.103	-115.37	1
5489_5489	5489	5489	43.337	10.219	-0.037	0	0.042	118.969	1
5489_5490	5489	5490	-8.93	1.137	0	0.001	0.049	67.74	1
5490_5490	5490	5490	17.853	5.295	0.016	-0.062	0.003	160.902	1
5490_5491	5490	5491	-56.197	5.944	-0.021	-0.014	-0.192	20.141	1
5491_5491	5491	5491	17.74	5.66	0.005	0.033	0.048	131.477	1
5491_5492	5491	5492	-29.595	4.965	-0.007	0.02	0.001	32.608	1
5492_5492	5492	5492	20.02	6.745	-0.01	0	0.068	80.551	1
5492_5493	5492	5493	-26.168	3.822	0.001	0.001	0.018	-20.242	1
5493_5493	5493	5493	23.16	8.743	0.005	0.059	-0.09	-16.491	1
5493_5494	5493	5494	-22.567	2.933	-0.016	0.029	-0.112	-39.459	1
5494_5494	5494	5494	23.617	9.288	-0.025	-0.057	-0.012	-79.194	1
5494_5495	5494	5495	-19.899	2.444	0.016	-0.025	0.032	-55.011	1
5495_5495	5495	5495	29.405	12.638	-0.001	0.165	-0.253	-141.975	1
5495_5496	5495	5496	-14.754	1.913	-0.027	0.042	-0.293	-71.651	1
5496_5496	5496	5496	33.734	13.403	-0.074	-0.503	-0.068	-271.992	1
5496_5497	5496	5497	-11.346	1.607	0.005	-0.118	-0.193	-72.093	1
5497_5497	5497	5497	33.595	16.841	0.029	0.015	-0.634	-318.756	1
5497_5184	5497	5184	-11.805	1.549	-0.03	0.003	-0.397	-79.156	1
5500_5204	5500	5204	8.984	0.319	-0.061	-0.003	1.169	41.948	1
5500_5501	5500	5501	-33.754	16.991	-0.192	-0.009	0.773	340.204	1
5501_5501	5501	5501	8.867	0.389	-0.066	0.005	0.88	40.339	1
5501_5502	5501	5502	-30.617	13.792	-0.066	-0.092	0.28	299.943	1
5502_5502	5502	5502	13.964	0.672	-0.084	0.006	0.79	49.898	1
5502_5503	5502	5503	-30.13	13.063	-0.054	0.022	-0.292	158.552	1
5503_5503	5503	5503	47.493	1.688	-0.045	0.038	0.17	81.634	1
5503_5504	5503	5504	-24.491	9.891	0.025	0.068	-0.023	91.215	1
5504_5504	5504	5504	54.342	2.869	0.03	-0.065	-0.216	75.731	1
5504_5505	5504	5505	-22.28	9.349	-0.005	-0.065	-0.107	22.959	1
5505_5505	5505	5505	53.644	4.345	0.013	-0.012	-0.012	57.653	1
5505_5506	5505	5506	-20.014	7.402	0.01	0.002	0.071	-87.029	1
5506_5506	5506	5506	51.368	5.996	-0.116	-0.031	0.147	-3.465	1
5506_5507	5506	5507	-19.456	6.325	0.023	-0.031	0.312	-144.687	1
5507_5507	5507	5507	53.142	7.066	-0.077	0.027	-0.878	-54.389	1
5507_5508	5507	5508	-19.531	5.924	0.01	0.068	0.411	-177.822	1
5508_5508	5508	5508	-10.731	0.388	0.015	-0.378	-2.295	28.685	1
5508_5509	5508	5509	-20.91	9.923	-0.095	0.059	0.321	-190.335	1
5509_5509	5509	5509	20.538	10.052	-0.012	-0.032	0.201	195.384	1
5509_5510	5509	5510	11.052	0.512	0.162	-0.384	2.913	-30.049	1
5510_5510	5510	5510	19.821	5.983	0.021	-0.168	0.202	178.201	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5510_5511	5510	5511	-46.592	6.544	-0.087	-0.057	0.069	57.596	1
5511_5511	5511	5511	19.694	6.39	-0.011	0.096	0.197	144.948	1
5511_5512	5511	5512	-44.948	5.598	0.004	0.05	0.06	10.425	1
5512_5512	5512	5512	21.489	7.522	-0.016	-0.001	0.125	84.883	1
5512_5513	5512	5513	-39.428	3.961	-0.014	0.01	-0.13	-43.812	1
5513_5513	5513	5513	24.684	9.563	0.004	0.069	-0.137	-25.485	1
5513_5514	5513	5514	-33.782	2.659	-0.011	0.052	-0.207	-60.384	1
5514_5514	5514	5514	24.46	10.124	-0.027	-0.066	-0.064	-94.453	1
5514_5515	5514	5515	-29.333	1.939	0.034	-0.029	0.084	-70.362	1
5515_5515	5515	5515	30.038	13.33	-0.057	0.138	-0.274	-164.44	1
5515_5516	5515	5516	-21.209	1.132	-0.179	0.03	-1.9	-75.461	1
5516_5516	5516	5516	30.5	14.064	-0.1	-0.317	-0.782	-309.013	1
5516_5517	5516	5517	-14.338	0.703	-0.121	-0.035	-1.927	-65.052	1
5517_5517	5517	5517	34.634	17.167	-0.204	-0.074	-0.189	-348.666	1
5517_5220	5517	5220	-15.551	0.6	0.3	0.002	-0.647	-70.22	1
5520_5240	5520	5240	-15.13	1.693	-0.618	-0.007	5.39	-17.461	1
5520_5521	5520	5521	-49.25	19.574	3.152	0.139	11.931	284.348	1
5521_5521	5521	5521	9.695	0.497	-0.107	-0.124	1.679	45.848	1
5521_5522	5521	5522	-38.421	13.174	-0.865	-0.879	6.683	280.713	1
5522_5522	5522	5522	17.107	0.823	-0.222	0.046	2.093	59.595	1
5522_5523	5522	5523	-37.786	12.225	-0.7	0.186	-0.796	148.444	1
5523_5523	5523	5523	49.34	1.554	0.168	-0.138	-1.658	79.166	1
5523_5524	5523	5524	-33.233	9.941	-0.009	-0.148	-0.863	77.964	1
5524_5524	5524	5524	54.812	2.767	0.01	0.102	-0.458	73.287	1
5524_5525	5524	5525	-33.376	9.169	0.09	0.126	-0.126	11.793	1
5525_5525	5525	5525	55.497	4.305	0.105	-0.009	-0.662	57.379	1
5525_5526	5525	5526	-30.804	7.588	0.142	0.028	2.137	-102.181	1
5526_5526	5526	5526	53.55	6.078	-0.621	0.002	0.606	-2.754	1
5526_5527	5526	5527	-30.342	6.418	0.037	0.146	2.474	-160.875	1
5527_5527	5527	5527	55.401	7.247	-0.707	0.044	-5.119	-54.543	1
5527_5528	5527	5528	-30.47	5.776	0.068	-0.089	2.772	-192.961	1
5528_5528	5528	5528	-12.306	0.435	-0.074	0.159	1.584	37.271	1
5528_5529	5528	5529	-29.184	12.04	-0.567	0.355	2.478	-220.8	1
5529_5529	5529	5529	33.37	12.968	0.446	-0.544	4.123	215.233	1
5529_5530	5529	5530	11.963	0.44	0.327	-0.733	7.325	-34.845	1
5530_5530	5530	5530	32.096	6.247	0.045	-0.214	2.363	193.446	1
5530_5531	5530	5531	-57.52	6.976	0.794	-0.197	-7.882	45.568	1
5531_5531	5531	5531	32.69	6.914	-0.058	0.059	2.779	157.173	1
5531_5532	5531	5532	-55.716	5.781	0.92	0.062	0.23	-3.781	1
5532_5532	5532	5532	35.377	8.502	-0.155	-0.011	1.954	92.808	1
5532_5533	5532	5533	-40.345	4.05	-0.073	0.021	-1.214	-47.404	1
5533_5533	5533	5533	37.248	10.77	-0.148	0.057	-0.369	-30.812	1
5533_5534	5533	5534	-33.602	2.718	-0.023	0.039	-1.373	-63.566	1
5534_5534	5534	5534	39.829	11.659	-0.169	0.014	-1.43	-109.07	1
5534_5535	5534	5535	-29.509	1.985	-0.003	0.023	-1.293	-73.847	1
5535_5535	5535	5535	43.636	14.624	-0.253	0.046	-2.466	-189.922	1
5535_5536	5535	5536	-21.309	1.174	-0.378	-0.002	-5.369	-78.877	1
5536_5536	5536	5536	43.277	15.653	-0.244	0.252	-5.252	-349.627	1
5536_5537	5536	5537	-15.855	0.736	-0.299	0.118	-5.342	-70.612	1
5537_5537	5537	5537	45.879	17.913	0.574	0.071	-6.303	-398.152	1
5537_5254	5537	5254	-17.815	0.687	0.472	0.127	-4.035	-77.441	1
5540_5278	5540	5278	17.879	0.396	-0.078	-0.053	-0.302	58.796	1
5540_5541	5540	5541	-47.573	17.113	-1.3	-0.726	-4.371	399.145	1
5541_5541	5541	5541	17.832	0.366	-0.008	-0.124	-0.518	57.122	1
5541_5542	5541	5542	-44.614	15.336	-0.183	-0.845	-5.136	352.699	1
5542_5542	5542	5542	24.307	0.876	-0.047	0.005	-0.735	69.527	1
5542_5543	5542	5543	-44.62	14.238	-0.097	0.008	-6.034	197.663	1
5543_5543	5543	5543	46.885	1.744	0.237	-0.144	-3.189	80.477	1
5543_5544	5543	5544	-41.31	11.699	0.244	-0.257	-3.842	114.18	1
5544_5544	5544	5544	55.199	2.968	0.103	0.092	-1.549	75.897	1
5544_5545	5544	5545	-39.345	10.755	0.354	0.153	-1.084	35.464	1
5545_5545	5545	5545	58.209	4.619	0.167	0.009	-1.298	59.537	1
5545_5546	5545	5546	-36.653	8.785	0.3	0.061	3.661	-94.932	1
5546_5546	5546	5546	58.288	6.737	-1.27	0.023	0.624	-4.133	1
5546_5547	5546	5547	-34.761	7.285	0.06	0.263	4.385	-162.935	1
5547_5547	5547	5547	60.871	7.962	-1.396	0.155	-11.036	-61.052	1
5547_5548	5547	5548	-34.902	6.575	0.105	-0.059	4.869	-199.492	1
5548_5548	5548	5548	-11.827	0.251	-0.291	0.467	4.436	40.683	1
5548_5549	5548	5549	-35.175	13.942	-0.916	1.18	7.66	-222.879	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5549_5549	5549	5549	36.984	13.908	0.327	-1.308	8.222	219.648	1
5549_5550	5549	5550	-0.988	0.183	0.063	-0.154	1.164	7.675	1
5550_5550	5550	5550	35.449	6.205	0.098	-0.283	4.048	199.754	1
5550_5551	5550	5551	-52.367	7.818	-1.323	0.064	10.493	56.019	1
5551_5551	5551	5551	35.393	7.007	0.02	-0.039	4.506	164.327	1
5551_5552	5551	5552	-50.384	6.664	-1.169	-0.055	0.43	3.807	1
5552_5552	5552	5552	38.041	8.63	-0.309	-0.054	4.217	100.434	1
5552_5553	5552	5553	-43.357	4.779	-0.198	0.032	-2.406	-58.13	1
5553_5553	5553	5553	41.115	10.7	-0.393	0.075	-0.438	-24.086	1
5553_5554	5553	5554	-36.169	3.18	-0.092	0.072	-3.015	-75.735	1
5554_5554	5554	5554	43.023	11.761	-0.437	0.049	-3.287	-100.1	1
5554_5555	5554	5555	-30.615	2.326	-0.05	0.054	-3.055	-85.582	1
5555_5555	5555	5555	47.37	14.328	-1.275	0.261	-6.33	-179.729	1
5555_5556	5555	5556	-18.118	1.357	-0.194	0.079	-4.573	-83.707	1
5556_5556	5556	5556	46.949	15.641	-1.382	-0.012	-19.688	-332.445	1
5556_5557	5556	5557	-13.158	0.912	-0.047	-0.023	-3.021	-74.313	1
5557_5557	5557	5557	47.834	17.464	1.938	1.229	-25.225	-380.52	1
5557_5290	5557	5290	-14.758	0.86	0.09	0.141	-3.355	-83.261	1
45000_5000	45000	5000	0.992	51.045	-0.205	0.418	0	7.205	1
45000_5001	45000	5001	0.281	2.724	-0.11	0.133	-1.401	-32.573	1
45001_5001	45001	5001	1.187	42.798	-0.25	-0.355	-3.159	-535.862	1
45001_5002	45001	5002	-0.257	6.787	0.049	0.28	1.097	312.898	1
45002_5002	45002	5002	1.344	40.161	0.306	0.866	-6.308	-764.699	1
45002_5003	45002	5003	-0.404	8.58	-0.087	-0.322	0.817	464.987	1
45003_5003	45003	5003	1.428	32.469	0.317	-0.858	-2.573	-1002.601	1
45003_5004	45003	5004	-0.616	15.127	-0.133	0.678	-0.4	649.154	1
45004_5004	45004	5004	1.46	35.046	-0.036	0.583	1.398	-1118.208	1
45004_5005	45004	5005	-0.934	16.691	0.014	-0.311	-0.452	898.859	1
45005_5005	45005	5005	1.46	28.291	-0.037	-0.688	1.002	-1240.157	1
45005_5006	45005	5006	-1.186	24.516	0.024	0.743	-0.327	1047.177	1
45006_5006	45006	5006	1.441	32.123	0.036	1.27	0.59	-1271.941	1
45006_5007	45006	5007	-1.34	22.063	-0.017	-0.852	-0.591	1184.773	1
45007_5007	45007	5007	1.41	25.605	0.035	-1.164	1.083	-1333.658	1
45007_5008	45007	5008	-1.424	28.932	-0.021	1.407	-0.979	1223.374	1
45008_5008	45008	5008	1.373	29.518	-0.017	1.304	1.537	-1312.932	1
45008_5009	45008	5009	-1.458	25.154	0.014	-0.939	-0.997	1286.179	1
45009_5009	45009	5009	1.335	23.071	-0.018	-1.127	1.347	-1327.333	1
45009_5010	45009	5010	-1.459	31.831	0.02	1.453	-0.878	1261.453	1
45010_5010	45010	5010	1.297	26.774	0.032	-0.034	1.174	-1264.57	1
45010_5011	45010	5011	-1.44	28.023	-0.036	0.107	-1.383	1267.123	1
45011_5011	45011	5011	1.257	20.409	0.028	-0.013	1.544	-1237.732	1
45011_5012	45011	5012	-1.409	34.676	-0.036	0.091	-1.904	1188.023	1
45012_5012	45012	5012	1.211	23.626	-0.066	0.455	1.836	-1134.233	1
45012_5013	45012	5013	-1.372	31.079	0.082	-0.314	-0.939	1139.278	1
45013_5013	45013	5013	1.143	17.477	-0.065	-0.43	0.979	-1077.252	1
45013_5014	45013	5014	-1.334	37.772	0.085	0.616	0.065	1008.322	1
45014_5014	45014	5014	1.018	17.84	0.107	0.302	0.32	-862.241	1
45014_5015	45014	5015	-1.298	34.888	-0.162	-0.172	-2.622	761.507	1
45015_5015	45015	5015	0.813	13.875	0.107	-0.489	1.995	-916.791	1
45015_5016	45015	5016	-1.632	44.056	-0.138	0.65	-3.578	797.075	1
45016_5016	45016	5016	0.404	15.21	-0.071	0.405	2.655	-722.884	1
45016_5017	45016	5017	-2.236	39.953	0.057	-0.208	-2.819	552.156	1
45017_5017	45017	5017	0.169	8.849	-0.065	-0.296	1.699	-555.105	1
45017_5018	45017	5018	-3.481	46.597	0.061	0.491	-1.657	254.805	1
45018_5018	45018	5018	-0.038	6.513	-0.003	0.163	0.949	-359.851	1
45018_5019	45018	5019	-4.737	48.796	-0.021	0.074	-1.518	-1.383	1
45019_5019	45019	5019	0.088	2.136	-0.019	-0.126	0.863	-148.968	1
45019_5020	45019	5020	-6.647	56.199	-0.022	0.278	-1.512	-356.729	1
45020_5020	45020	5020	-19.537	50.891	-0.096	0.154	2.439	208.361	1
45020_5021	45020	5021	49.513	6.969	0.164	-0.049	-2.793	286.864	1
45021_5021	45021	5021	-16.048	45.335	-0.081	0.161	1.277	-66.162	1
45021_5022	45021	5022	43.359	10.586	0.146	-0.095	-1.464	396.481	1
45022_5022	45022	5022	-13.468	39.769	-0.052	-0.144	0.473	-212.153	1
45022_5023	45022	5023	38.283	14.373	0.091	0.472	-0.649	450.305	1
45023_5023	45023	5023	-11.741	39.47	-0.019	-0.005	-0.114	-316.776	1
45023_5024	45023	5024	32.737	14.281	0.051	0.182	-0.189	508.76	1
45024_5024	45024	5024	-10.83	33.728	-0.026	0.823	-0.373	-427.681	1
45024_5025	45024	5025	27.315	18.436	0.081	-0.747	0.533	545.011	1
45025_5025	45025	5025	-10.723	28.387	0.008	-0.71	-0.664	-491.285	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45025_5026	45025	5026	22.208	23.189	0.009	1.027	0.558	546.164	1
45026_5026	45026	5026	-11.151	32.547	-0.001	0.277	-0.645	-562.541	1
45026_5027	45026	5027	18.071	20.906	0.038	-0.073	0.792	612.962	1
45027_5027	45027	5027	-11.989	28.37	0.001	0.418	-0.665	-600.358	1
45027_5028	45027	5028	15.534	24.462	0.033	-0.249	0.968	618.433	1
45028_5028	45028	5028	-13.262	24.418	0.008	0.318	-0.652	-611.847	1
45028_5029	45028	5029	13.628	28.415	0.025	-0.192	1.042	604.584	1
45029_5029	45029	5029	-15.054	20.872	0.037	-0.737	-0.579	-604.894	1
45029_5030	45029	5030	12.216	32.604	0	0.995	0.943	565.072	1
45030_5030	45030	5030	-18.055	23.146	0.03	0.614	-0.289	-536.041	1
45030_5031	45030	5031	11.255	28.382	-0.001	-0.368	0.844	492.291	1
45031_5031	45031	5031	-21.813	18.393	0.063	-0.191	0.025	-532.566	1
45031_5032	45031	5032	10.683	33.735	-0.022	0.321	0.475	426.227	1
45032_5032	45032	5032	-25.799	14.249	0.074	-0.113	0.681	-494.483	1
45032_5033	45032	5033	10.907	39.493	-0.03	0.292	0.005	313.117	1
45033_5033	45033	5033	-29.888	14.325	0.101	0.134	1.415	-434.198	1
45033_5034	45033	5034	11.884	39.751	-0.058	0.061	-0.713	206.149	1
45034_5034	45034	5034	-33.586	10.542	0.115	0.174	2.41	-378.744	1
45034_5035	45034	5035	13.625	45.339	-0.068	0	-1.521	58.355	1
45035_5035	45035	5035	-38.05	6.94	0.158	-0.122	3.597	-269.575	1
45035_5036	45035	5036	16.114	50.908	-0.096	0.167	-2.799	-217.071	1
45036_5036	45036	5036	25.253	53.89	0.003	0.415	2.383	407.159	1
45036_5037	45036	5037	4.773	3.059	-0.009	-0.097	1.7	150.611	1
45037_5037	45037	5037	25.355	46.449	-0.033	0.147	3.085	97.979	1
45037_5038	45037	5038	-9.395	7.106	0.004	0.416	-1.393	314.465	1
45038_5038	45038	5038	25.175	44.169	0.015	0.661	3.236	-108.528	1
45038_5039	45038	5039	-12.995	9.482	-0.043	-0.434	-2.125	485.368	1
45039_5039	45039	5039	24.148	37.632	-0.033	-0.286	3.903	-352.765	1
45039_5040	45039	5040	-16.775	15.811	-0.021	0.718	-2.577	618.964	1
45040_5040	45040	5040	23.369	41.566	-0.082	0.434	3.667	-558.689	1
45040_5041	45040	5041	-19.76	14.483	0.068	-0.344	-2.366	777.306	1
45041_5041	45041	5041	22.131	32.177	-0.086	-0.058	3.114	-494.016	1
45041_5042	45041	5042	-21.342	18.522	0.087	0.216	-1.122	684.784	1
45042_5042	45042	5042	21.297	35.087	0.018	0.025	1.861	-696.13	1
45042_5043	45042	5043	-22.883	17.449	-0.03	0.02	-1.731	834.302	1
45043_5043	45043	5043	20.528	27.824	0.016	0.043	2.132	-805.898	1
45043_5044	45043	5044	-23.18	23.999	-0.035	0.008	-2.238	843.51	1
45044_5044	45044	5044	19.933	31.195	-0.002	-0.042	2.176	-835.785	1
45044_5045	45044	5045	-22.803	20.508	0.019	0.078	-2.142	900.084	1
45045_5045	45045	5045	19.535	24.011	0.005	0.05	2.085	-897.919	1
45045_5046	45045	5046	-22.133	27.455	0.01	-0.008	-2.052	880.658	1
45046_5046	45046	5046	19.28	27.554	-0.003	0.961	2.035	-881.346	1
45046_5047	45046	5047	-21.321	23.817	0.011	-0.678	-2.018	899.375	1
45047_5047	45047	5047	19.038	20.578	-0.028	-0.719	1.924	-901.893	1
45047_5048	45047	5048	-20.558	31.02	0.041	1.004	-1.552	840.192	1
45048_5048	45048	5048	18.668	23.99	-0.033	0.918	1.53	-844.854	1
45048_5049	45048	5049	-19.962	27.528	0.011	-0.62	-1.45	813.512	1
45049_5049	45049	5049	17.853	17.397	-0.06	-0.714	1.072	-835.11	1
45049_5050	45049	5050	-19.566	34.843	0.05	0.994	-0.793	705.944	1
45050_5050	45050	5050	16.024	18.427	0.035	0.463	0.271	-685.578	1
45050_5051	45050	5051	-19.323	31.847	-0.068	-0.189	-1.699	507.283	1
45051_5051	45051	5051	14.527	14.305	0.009	-0.723	0.776	-772.011	1
45051_5052	45051	5052	-19.362	41.437	-0.039	0.885	-1.763	560.47	1
45052_5052	45052	5052	11.855	15.866	0.021	0.756	0.602	-617.309	1
45052_5053	45052	5053	-19.624	37.317	-0.025	-0.293	-1.825	354.1	1
45053_5053	45053	5053	8.677	9.412	-0.011	-0.496	0.891	-492.753	1
45053_5054	45053	5054	-20.145	44.026	-0.005	0.727	-1.49	111.544	1
45054_5054	45054	5054	5.832	6.974	-0.009	0.289	0.666	-325.714	1
45054_5055	45054	5055	-19.997	46.374	0.002	0.135	-1.213	-97.682	1
45055_5055	45055	5055	3.675	2.394	-0.023	-0.145	0.564	-134.553	1
45055_5056	45055	5056	-19.969	54.041	0.02	0.302	-0.647	-409.473	1
45056_5056	45056	5056	-18.607	50.267	-0.059	0.096	1.564	154.71	1
45056_5057	45056	5057	41.891	6.924	0.094	0.018	-1.757	281.266	1
45057_5057	45057	5057	-15.909	44.656	-0.062	0.217	0.854	-116.549	1
45057_5058	45057	5058	37.216	10.708	0.099	-0.204	-0.83	394.304	1
45058_5058	45058	5058	-13.94	39.077	-0.037	-0.221	0.263	-260.345	1
45058_5059	45058	5059	33.355	14.625	0.049	0.462	-0.391	456.526	1
45059_5059	45059	5059	-12.675	39.083	-0.05	1.086	-0.12	-361.146	1
45059_5060	45059	5060	29	14.541	0.105	-0.792	0.508	521.449	1

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45060_5060	45060	5060	-12.093	33.393	-0.015	-0.364	-0.581	-469.526	1	1
45060_5061	45060	5061	24.73	18.759	0.033	0.612	0.741	562.618	1	1
45061_5061	45061	5061	-12.202	28.117	-0.009	-0.222	-0.724	-530.352	1	1
45061_5062	45061	5062	20.697	23.569	0.031	0.552	0.957	567.582	1	1
45062_5062	45062	5062	-12.733	32.53	-0.002	0.623	-0.794	-598.802	1	1
45062_5063	45062	5063	17.474	21.135	0.024	-0.355	1.053	638.403	1	1
45063_5063	45063	5063	-13.633	28.386	-0.002	0.749	-0.8	-635.739	1	1
45063_5064	45063	5064	15.51	24.684	0.022	-0.555	1.131	645.95	1	1
45064_5064	45064	5064	-14.937	24.461	0.025	-0.535	-0.808	-646.225	1	1
45064_5065	45064	5065	14.06	28.616	-0.007	0.728	1.013	633.736	1	1
45065_5065	45065	5065	-16.745	20.929	0.029	-0.41	-0.634	-637.905	1	1
45065_5066	45065	5066	13.015	32.776	-0.009	0.687	0.883	595.642	1	1
45066_5066	45066	5066	-19.75	23.371	0.03	0.304	-0.419	-566.667	1	1
45066_5067	45066	5067	12.347	28.3	-0.009	-0.093	0.731	525.933	1	1
45067_5067	45067	5067	-23.546	18.584	0.033	0.344	-0.124	-561.175	1	1
45067_5068	45067	5068	12.054	33.588	-0.014	-0.174	0.497	463.584	1	1
45068_5068	45068	5068	-27.571	14.397	0.073	-0.42	0.208	-520.175	1	1
45068_5069	45068	5069	12.452	39.287	-0.034	0.613	0.069	353.715	1	1
45069_5069	45069	5069	-31.683	14.527	0.051	0.626	0.897	-456.184	1	1
45069_5070	45069	5070	13.524	39.203	-0.029	-0.209	-0.334	252.166	1	1
45070_5070	45070	5070	-35.324	10.642	0.105	-0.049	1.432	-395.751	1	1
45070_5071	45070	5071	15.298	44.789	-0.056	0.187	-0.959	107.37	1	1
45071_5071	45071	5071	-39.75	6.92	0.139	-0.174	2.479	-285.882	1	1
45071_5072	45071	5072	17.792	50.411	-0.073	0.305	-1.894	-165.093	1	1
45072_5072	45072	5072	21.291	53.571	-0.005	0.346	2.134	375.555	1	1
45072_5073	45072	5073	4.123	2.627	0.003	-0.042	0.816	118.105	1	1
45073_5073	45073	5073	20.894	45.918	-0.025	0.093	2.443	54.853	1	1
45073_5074	45073	5074	-7.131	7.055	0.025	0.296	-1.116	323.489	1	1
45074_5074	45074	5074	20.345	43.618	-0.035	0.82	2.472	-162.183	1	1
45074_5075	45074	5075	-10.132	9.493	-0.006	-0.533	-1.373	494.831	1	1
45075_5075	45075	5075	19.066	36.959	-0.057	-0.424	2.496	-412.802	1	1
45075_5076	45075	5076	-13.348	16.054	0.042	0.891	-0.876	623.731	1	1
45076_5076	45076	5076	18.179	41.169	-0.011	0.813	2.065	-626.286	1	1
45076_5077	45076	5077	-15.846	14.483	-0.026	-0.625	-1.253	785.761	1	1
45077_5077	45077	5077	16.992	32.488	-0.063	-0.239	2.296	-616.638	1	1
45077_5078	45077	5078	-17.05	18.687	-0.014	0.451	-1.483	738.96	1	1
45078_5078	45078	5078	16.369	35.558	0.035	1.061	1.351	-795.089	1	1
45078_5079	45078	5079	-18.056	17.474	-0.021	-0.762	-1.729	889.011	1	1
45079_5079	45079	5079	15.876	28.836	0.007	-0.796	1.74	-902.77	1	1
45079_5080	45079	5080	-18.196	23.67	0.009	1.079	-1.681	915.03	1	1
45080_5080	45080	5080	15.566	32.522	-0.004	1.19	1.806	-937.919	1	1
45080_5081	45080	5081	-17.771	20.192	-0.001	-0.878	-1.748	986.389	1	1
45081_5081	45081	5081	15.458	25.852	-0.03	-0.858	1.732	-1005.861	1	1
45081_5082	45081	5082	-17.146	26.66	0.03	1.142	-1.443	989.364	1	1
45082_5082	45082	5082	15.569	29.325	0.009	0.029	1.346	-984.009	1	1
45082_5083	45082	5083	-16.507	22.681	-0.002	0.025	-1.481	1013.233	1	1
45083_5083	45083	5083	15.875	22.29	0.009	-0.001	1.419	-1015.382	1	1
45083_5084	45083	5084	-15.944	29.75	-0.004	0.061	-1.536	977.257	1	1
45084_5084	45084	5084	16.26	26.228	0.003	1.11	1.469	-988.974	1	1
45084_5085	45084	5085	-15.584	26.234	0.003	-0.826	-1.531	995.93	1	1
45085_5085	45085	5085	16.624	19.808	-0.024	-0.9	1.458	-983.595	1	1
45085_5086	45085	5086	-15.463	32.942	0.03	1.21	-1.209	923.708	1	1
45086_5086	45086	5086	16.811	23.35	-0.028	1.06	-1.167	-911.732	1	1
45086_5087	45086	5087	-15.542	29.147	0.032	-0.769	-0.855	885.457	1	1
45087_5087	45087	5087	16.531	17.175	-0.055	-0.805	0.843	-884.418	1	1
45087_5088	45087	5088	-15.797	35.903	0.062	1.104	-0.149	774.392	1	1
45088_5088	45088	5088	15.499	18.757	0.03	0.462	0.266	-745.757	1	1
45088_5089	45088	5089	-16.173	32.737	-0.086	-0.237	-1.327	611.794	1	1
45089_5089	45089	5089	14.316	14.525	0.014	-0.655	0.683	-788.34	1	1
45089_5090	45089	5090	-17.008	41.073	-0.045	0.835	-1.47	619.261	1	1
45090_5090	45090	5090	11.965	15.942	0.011	0.873	0.711	-625.44	1	1
45090_5091	45090	5091	-17.735	36.858	-0.022	-0.409	-1.561	409.743	1	1
45091_5091	45091	5091	9.018	9.332	-0.02	-0.512	0.933	-491.248	1	1
45091_5092	45091	5092	-18.863	43.599	0.006	0.787	-1.096	157.786	1	1
45092_5092	45092	5092	6.261	6.982	0.003	0.138	0.748	-318.913	1	1
45092_5093	45092	5093	-19.326	45.759	-0.014	0.08	-1.112	-55.862	1	1
45093_5093	45093	5093	-3.269	2.707	0.002	-0.01	0.175	-123.738	1	1
45093_5094	45093	5094	-19.773	53.528	-0.008	0.205	-1.043	-377.113	1	1
45094_5094	45094	5094	-17.709	49.942	-0.042	0.242	1.18	159.194	1	1

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45094_5095	45094	5095	39.98	6.869	0.092	-0.125	-1.369	278.705	1
45095_5095	45095	5095	-15.149	44.212	-0.026	0.164	0.64	-111.283	1
45095_5096	45095	5096	35.504	10.65	0.068	-0.056	-0.754	387.256	1
45096_5096	45096	5096	-13.293	38.545	-0.002	-0.206	0.341	-253.864	1
45096_5097	45096	5097	31.829	14.617	0.021	0.556	-0.555	447.448	1
45097_5097	45097	5097	-12.114	38.831	-0.015	0.249	0.26	-352.059	1
45097_5098	45097	5098	27.668	14.392	0.031	-0.115	-0.279	511.555	1
45098_5098	45098	5098	-11.576	33.077	-0.011	0.283	0.069	-459.47	1
45098_5099	45098	5099	23.58	18.646	0.027	-0.184	-0.059	551.732	1
45099_5099	45099	5099	-11.695	27.77	0.006	-0.42	-0.077	-519.39	1
45099_5100	45099	5100	19.713	23.525	-0.001	0.636	-0.087	555.776	1
45100_5100	45100	5100	-12.211	32.535	0.029	-1.237	-0.061	-586.033	1
45100_5101	45100	5101	16.648	20.832	-0.009	0.777	-0.135	626.656	1
45101_5101	45101	5101	-13.082	28.336	0.056	-2.585	0.106	-623.784	1
45101_5102	45101	5102	14.783	24.401	-0.034	2.278	-0.332	634.59	1
45102_5102	45102	5102	-14.346	24.365	-0.031	2.255	0.498	-635.281	1
45102_5103	45102	5103	13.412	28.373	0.055	-2.557	0.013	622.973	1
45103_5103	45103	5103	-16.1	20.805	-0.007	0.792	0.361	-627.576	1
45103_5104	45103	5104	12.432	32.575	0.028	-1.249	0.128	585.487	1
45104_5104	45104	5104	-19.026	23.484	-0.001	0.638	0.374	-556.328	1
45104_5105	45104	5105	11.808	27.77	0.01	-0.422	0.132	518.48	1
45105_5105	45105	5105	-22.747	18.608	0.027	-0.18	0.405	-552.634	1
45105_5106	45105	5106	11.544	33.091	-0.008	0.279	-0.053	459.238	1
45106_5106	45106	5106	-26.697	14.352	0.033	-0.132	0.692	-512.135	1
45106_5107	45106	5107	11.936	38.844	-0.013	0.268	-0.294	351.641	1
45107_5107	45107	5107	-30.739	14.578	0.039	0.153	1.046	-447.693	1
45107_5108	45107	5108	12.977	38.503	-0.016	0.033	-0.564	253.483	1
45108_5108	45108	5108	-34.283	10.603	0.043	0.211	1.454	-387.586	1
45108_5109	45108	5109	14.696	44.189	-0.021	-0.045	-0.885	111.806	1
45109_5109	45109	5109	-38.618	6.808	0.086	-0.149	1.917	-277.881	1
45109_5110	45109	5110	17.113	49.925	-0.045	0.204	-1.518	-159.559	1
45110_5110	45110	5110	20.225	52.967	-0.015	0.321	1.827	366.347	1
45110_5111	45110	5111	-4.248	2.388	-0.001	-0.141	-1.123	130.797	1
45111_5111	45111	5111	19.886	45.057	-0.034	0.079	1.979	54.272	1
45111_5112	45111	5112	-6.452	7.15	0.019	0.3	-0.952	322.761	1
45112_5112	45112	5112	19.506	42.829	0.015	0.496	1.923	-147.228	1
45112_5113	45112	5113	-9.288	9.531	-0.031	-0.32	-1.384	490.611	1
45113_5113	45113	5113	18.436	35.962	-0.008	-0.238	2.421	-385.123	1
45113_5114	45113	5114	-12.344	16.251	-0.016	0.547	-1.674	617.077	1
45114_5114	45114	5114	17.745	40.217	-0.109	0.202	2.439	-581.247	1
45114_5115	45114	5115	-14.8	14.761	0.075	-0.141	-1.275	771.594	1
45115_5115	45115	5115	16.886	31.387	-0.118	-0.013	1.624	-551.009	1
45115_5116	45115	5116	-16.065	19.06	0.085	0.092	-0.098	706.014	1
45116_5116	45116	5116	16.466	34.776	0.079	0.51	-0.046	-713.51	1
45116_5117	45116	5117	-17.215	17.392	-0.068	-0.362	-0.815	839.417	1
45117_5117	45117	5117	16.162	27.815	0.062	-0.336	0.853	-813.991	1
45117_5118	45117	5118	-17.521	23.733	-0.06	0.502	-1.493	851.681	1
45118_5118	45118	5118	16.044	31.738	-0.049	0.532	1.465	-841.151	1
45118_5119	45118	5119	-17.345	19.933	0.047	-0.37	-1.028	910.596	1
45119_5119	45119	5119	16.144	24.819	-0.058	-0.397	0.862	-903.802	1
45119_5120	45119	5120	-16.977	26.542	0.064	0.564	-0.3	901.095	1
45120_5120	45120	5120	16.509	28.524	0.036	1.514	0.227	-875.218	1
45120_5121	45120	5121	-16.554	22.333	-0.041	-1.116	-0.752	915.989	1
45121_5121	45121	5121	17.108	21.248	-0.01	-1.112	0.637	-902.557	1
45121_5122	45121	5122	-16.196	29.616	-0.001	1.536	-0.752	870.616	1
45122_5122	45122	5122	17.803	25.455	-0.003	0.508	0.413	-869.216	1
45122_5123	45122	5123	-16.041	25.878	0.019	-0.348	-0.518	881.664	1
45123_5123	45123	5123	18.499	18.802	-0.013	-0.383	0.331	-860.834	1
45123_5124	45123	5124	-16.125	32.793	0.031	0.56	-0.152	802.174	1
45124_5124	45124	5124	18.99	22.539	0.001	0.913	0.204	-784.913	1
45124_5125	45124	5125	-16.437	28.841	-0.005	-0.633	-0.217	758.387	1
45125_5125	45125	5125	18.909	16.201	-0.038	-0.68	0.185	-757.526	1
45125_5126	45125	5126	-16.958	35.81	0.026	0.967	0.083	641.078	1
45126_5126	45126	5126	18.009	18.065	-0.002	0.408	-0.341	-622.347	1
45126_5127	45126	5127	-17.638	32.495	-0.03	-0.185	-0.311	475.222	1
45127_5127	45127	5127	16.839	13.759	-0.008	-0.515	-0.323	-661.571	1
45127_5128	45127	5128	-18.875	41.071	0.012	0.664	0.03	471.083	1
45128_5128	45128	5128	14.36	15.454	-0.016	0.728	-0.323	-509.46	1
45128_5129	45128	5129	-19.821	36.701	-0.021	-0.238	-0.053	259.323	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45129_5129	45129	5129	11.115	8.76	-0.075	-0.407	-0.338	-391.662	1
45129_5130	45129	5130	-21.204	43.509	0.008	0.625	0.415	11.399	1
45130_5130	45130	5130	7.956	7.469	0.139	0.155	-1.377	-228.842	1
45130_5131	45130	5131	-21.776	44.98	-0.082	0.076	-0.353	-189.777	1
45131_5131	45131	5131	-4.366	2.969	0.03	-0.057	0.648	-179.287	1
45131_5132	45131	5132	-22.22	52.727	-0.091	0.076	-1.473	-493.041	1
45132_5132	45132	5132	-18.975	49.678	0.02	-1.293	0.511	215.392	1
45132_5133	45132	5133	44.385	6.32	-0.118	0.588	-1.288	225.681	1
45133_5133	45133	5133	-15.832	43.793	0.054	-1.699	0.49	-59.068	1
45133_5134	45133	5134	39.33	10.203	-0.153	1.646	-2.301	340.25	1
45134_5134	45134	5134	-13.44	37.937	-0.147	1.822	0.761	-203.509	1
45134_5135	45134	5135	35.133	14.299	0.298	-4.238	0.261	397.015	1
45135_5135	45135	5135	-11.722	38.689	0.042	0.243	-0.411	-304.792	1
45135_5136	45135	5136	30.413	13.475	-0.048	-0.272	0.044	464.86	1
45136_5136	45136	5136	-10.683	32.687	0.053	-0.476	-0.085	-417.727	1
45136_5137	45136	5137	25.771	17.851	-0.084	0.454	-0.573	507.683	1
45137_5137	45137	5137	-10.322	27.169	0.035	0.273	0.323	-480.857	1
45137_5138	45137	5138	21.31	22.877	-0.049	-0.379	-0.934	512.354	1
45138_5138	45138	5138	-10.492	32.207	-0.025	0.621	0.578	-547.441	1
45138_5139	45138	5139	17.641	20.03	0.044	-0.496	-0.621	583.008	1
45139_5139	45139	5139	-11.037	27.835	-0.005	-0.577	0.396	-587.939	1
45139_5140	45139	5140	15.353	23.7	0.015	0.605	-0.51	592.471	1
45140_5140	45140	5140	-11.995	23.714	-0.022	0.625	0.359	-600.843	1
45140_5141	45140	5141	13.571	27.809	0.036	-0.585	-0.262	581.713	1
45141_5141	45141	5141	-13.479	20.03	0	-0.493	0.215	-593.388	1
45141_5142	45141	5142	12.197	32.173	0.012	0.604	-0.193	543.576	1
45142_5142	45142	5142	-16.085	22.937	0.006	0.026	0.249	-524.231	1
45142_5143	45142	5143	11.187	27.149	-0.002	-0.015	-0.199	478.898	1
45143_5143	45143	5143	-19.52	17.897	0.003	0.025	0.31	-521.869	1
45143_5144	45143	5144	10.43	32.66	-0.003	-0.019	-0.229	419.139	1
45144_5144	45144	5144	-23.184	13.504	0	0.024	0.326	-480.891	1
45144_5145	45144	5145	10.352	38.647	-0.004	-0.024	-0.276	309.538	1
45145_5145	45145	5145	-26.983	13.709	-0.014	-0.146	0.297	-414.748	1
45145_5146	45145	5146	10.962	38.526	0.023	-0.037	-0.131	207.152	1
45146_5146	45146	5146	-30.302	9.626	-0.012	-0.183	0.196	-353.069	1
45146_5147	45146	5147	12.296	44.398	0.024	0.026	0.031	60.541	1
45147_5147	45147	5147	-34.336	5.752	-0.042	0.199	0.199	-237.03	1
45147_5148	45147	5148	14.389	50.3	0.045	-0.207	0.449	-217.216	1
45148_5148	45148	5148	30.22	52.246	0.013	0.094	-0.121	423.046	1
45148_5149	45148	5149	-8.321	2.615	-0.017	-0.044	0.119	101.342	1
45149_5149	45149	5149	31.172	44.446	-0.009	0.042	0.215	126.803	1
45149_5150	45149	5150	-12.05	7.305	-0.007	0.141	0.052	281.503	1
45150_5150	45150	5150	31.93	42.132	0	0.091	0.102	-62.12	1
45150_5151	45150	5151	-16.443	9.787	0.001	-0.07	-0.014	436.591	1
45151_5151	45151	5151	31.658	35.466	-0.004	-0.032	0.158	-282.047	1
45151_5152	45151	5152	-21.163	16.369	0.004	0.079	0.065	543.492	1
45152_5152	45152	5152	31.429	39.491	-0.002	0.011	0.162	-473.526	1
45152_5153	45152	5153	-24.965	14.884	-0.005	-0.011	-0.007	683.781	1
45153_5153	45153	5153	31.185	30.816	-0.003	0.011	0.182	-447.495	1
45153_5154	45153	5154	-27.085	19.186	-0.005	-0.019	-0.088	614.413	1
45154_5154	45154	5154	31.121	33.556	0.001	0.021	0.148	-594.86	1
45154_5155	45154	5155	-29.444	17.684	-0.003	-0.02	-0.135	725.069	1
45155_5155	45155	5155	31.097	26.469	0.002	0.015	0.174	-682.942	1
45155_5156	45155	5156	-30.567	24.092	-0.003	-0.024	-0.178	723.804	1
45156_5156	45156	5156	31.167	30.033	0.016	0.022	0.196	-722.031	1
45156_5157	45156	5157	-31.031	21.097	-0.012	-0.026	-0.301	780.86	1
45157_5157	45157	5157	31.306	23.669	0.018	0.028	0.363	-767.143	1
45157_5158	45157	5158	-31.175	27.281	-0.015	-0.041	-0.475	758.404	1
45158_5158	45158	5158	31.435	27.276	-0.021	-0.506	0.485	-753.54	1
45158_5159	45158	5159	-31.144	23.767	0.032	0.381	-0.208	768.834	1
45159_5159	45159	5159	31.396	21.083	0.014	0.393	0.279	-774.76	1
45159_5160	45159	5160	-31.096	30.101	-0.001	-0.519	-0.229	721.994	1
45160_5160	45160	5160	31.052	24.107	-0.019	0.021	0.437	-715.665	1
45160_5161	45160	5161	-31.114	26.69	-0.001	-0.023	-0.281	679.423	1
45161_5161	45161	5161	30.045	17.698	-0.021	0.013	0.218	-715.124	1
45161_5162	45161	5162	-31.235	33.711	0.003	-0.026	-0.234	588.982	1
45162_5162	45162	5162	27.808	19.085	0.069	0.259	0.008	-601.828	1
45162_5163	45162	5163	-31.399	31.155	-0.032	-0.151	-0.591	436.984	1
45163_5163	45163	5163	25.743	14.802	0.047	-0.295	0.942	-667.031	1

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45163_5164	45163	5164	-31.782	39.747	-0.023	0.333	-0.887	459.714	1
45164_5164	45164	5164	21.993	16.122	-0.05	-0.399	1.313	-523.723	1
45164_5165	45164	5165	-32.105	36.006	0.033	0.156	-0.688	262.213	1
45165_5165	45165	5165	17.272	9.635	-0.016	0.206	0.533	-412.069	1
45165_5166	45165	5166	-32.501	42.612	0.01	-0.293	-0.74	34.121	1
45166_5166	45166	5166	12.822	7.141	0.015	0.131	0.192	-256.096	1
45166_5167	45166	5167	-31.905	45.223	-0.01	0.055	-0.722	-163.924	1
45167_5167	45167	5167	8.958	2.559	0.006	-0.048	0.37	-76.362	1
45167_5168	45167	5168	-31.033	52.874	0.009	0.087	-0.479	-465.948	1
45168_5168	45168	5168	-16.186	51.026	-0.007	0.052	0.171	-227.341	1
45168_5169	45168	5169	37.23	5.93	0.028	-0.111	-0.405	237.649	1
45169_5169	45169	5169	-13.862	45.287	0.019	-0.193	0.03	-56.266	1
45169_5170	45169	5170	33.054	9.676	-0.014	0.334	-0.469	355.682	1
45170_5170	45170	5170	-12.303	39.544	0.005	0.223	0.155	-207.839	1
45170_5171	45170	5171	29.586	13.605	0.016	-0.307	-0.303	419.083	1
45171_5171	45171	5171	-11.502	39.364	0.008	-0.519	0.108	-316.817	1
45171_5172	45171	5172	25.61	13.556	-0.015	0.408	-0.437	486.573	1
45172_5172	45172	5172	-11.397	33.47	-0.005	0.187	0.118	-431.312	1
45172_5173	45172	5173	21.728	17.827	0.012	-0.285	-0.267	530.366	1
45173_5173	45173	5173	-12.003	28.004	-0.004	0.121	0.031	-496.691	1
45173_5174	45173	5174	18.055	22.727	0.008	-0.26	-0.176	537.635	1
45174_5174	45174	5174	-12.916	32.477	0.015	-0.619	-0.072	-566.942	1
45174_5175	45174	5175	15.202	20.31	-0.009	0.503	-0.223	609.263	1
45175_5175	45175	5175	-14.212	28.186	-0.007	0.611	-0.001	-605.742	1
45175_5176	45175	5176	13.538	23.939	0.012	-0.645	-0.095	618.352	1
45176_5176	45176	5176	-15.921	24.132	0.019	-0.624	-0.076	-617.49	1
45176_5177	45176	5177	12.406	27.983	-0.01	0.586	-0.147	607.629	1
45177_5177	45177	5177	-18.144	20.49	-0.007	0.52	0.027	-609.279	1
45177_5178	45177	5178	11.7	32.265	0.011	-0.647	-0.049	569.93	1
45178_5178	45178	5178	-21.715	22.907	-0.003	0.274	-0.048	-538.161	1
45178_5179	45178	5179	11.379	27.929	0.008	-0.138	0.01	500.002	1
45179_5179	45179	5179	-26.069	18.012	-0.003	0.298	-0.101	-531.879	1
45179_5180	45179	5180	11.573	33.374	0.007	-0.207	0.079	435.267	1
45180_5180	45180	5180	-30.6	13.737	0.034	-0.398	-0.178	-489.03	1
45180_5181	45180	5181	12.475	39.245	-0.008	0.504	0.019	321.739	1
45181_5181	45181	5181	-35.189	13.75	-0.012	0.326	0.152	-422.26	1
45181_5182	45181	5182	14.073	39.565	-0.004	-0.246	-0.004	212.671	1
45182_5182	45182	5182	-39.22	9.833	0.029	-0.326	0.059	-359.218	1
45182_5183	45182	5183	16.376	45.276	-0.023	0.182	-0.21	60.982	1
45183_5183	45183	5183	-44.014	6.09	-0.021	0.131	0.302	-242.079	1
45183_5184	45183	5184	19.419	50.985	0.004	-0.075	-0.17	-221.343	1
45184_5184	45184	5184	25.7	54.438	0.003	-0.06	-0.17	498.566	1
45184_5185	45184	5185	5.322	2.806	0.006	0.09	-0.523	143.479	1
45185_5185	45185	5185	26.053	46.926	0.015	-0.048	-0.255	176.423	1
45185_5186	45185	5186	-9.419	6.628	-0.015	-0.151	-0.087	251.833	1
45186_5186	45186	5186	26.212	44.147	0.031	-0.112	-0.116	-46.512	1
45186_5187	45186	5187	-13.12	9.158	-0.013	0.073	-0.212	416.924	1
45187_5187	45187	5187	25.509	37.52	0.043	0.101	0.217	-300.392	1
45187_5188	45187	5188	-17.113	15.497	-0.025	-0.21	-0.617	544.052	1
45188_5188	45188	5188	25.022	40.834	0.023	0.075	0.697	-518.346	1
45188_5189	45188	5189	-20.287	14.522	-0.004	-0.067	-0.703	700.137	1
45189_5189	45189	5189	24.467	32.353	0.03	0.048	0.916	-502.773	1
45189_5190	45189	5190	-22.008	18.723	-0.005	-0.055	-0.843	646.139	1
45190_5190	45190	5190	24.214	34.52	0.025	0.08	1.408	-668.342	1
45190_5191	45190	5191	-23.782	17.857	-0.026	-0.076	-1.271	774.507	1
45191_5191	45191	5191	24.036	27.682	0.025	0.073	1.735	-763.011	1
45191_5192	45191	5192	-24.501	24.088	-0.026	-0.083	-1.673	787.31	1
45192_5192	45192	5192	23.988	30.753	0.009	0.102	2.041	-809.664	1
45192_5193	45192	5193	-24.644	21.627	0.004	-0.107	-1.73	853.466	1
45193_5193	45193	5193	24.019	24.616	0.012	0.08	2.17	-855.951	1
45193_5194	45193	5194	-24.548	27.631	0.002	-0.102	-1.826	838.53	1
45194_5194	45194	5194	24.049	27.747	0.039	0.079	2.338	-845.327	1
45194_5195	45194	5195	-24.325	24.618	-0.024	-0.091	-2.2	851.713	1
45195_5195	45195	5195	23.924	21.812	0.041	0.067	2.765	-865.156	1
45195_5196	45195	5196	-24.121	30.758	-0.028	-0.097	-2.636	807.374	1
45196_5196	45196	5196	23.535	24.36	0.019	0.055	3.184	-806.141	1
45196_5197	45196	5197	-24.009	27.867	-0.026	-0.067	-3.1	761.349	1
45197_5197	45197	5197	22.612	18.249	0.018	0.042	3.327	-801.392	1
45197_5198	45197	5198	-24.006	34.655	-0.025	-0.073	-3.517	668.773	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45198_5198	45198	5198	20.679	19.195	0.034	0.028	3.352	-683.669	1
45198_5199	45198	5199	-24.059	32.671	-0.025	-0.039	-3.95	504.847	1
45199_5199	45199	5199	18.937	15.087	0.032	-0.011	3.649	-747.997	1
45199_5200	45199	5200	-24.313	40.981	-0.029	-0.012	-4.285	532.046	1
45200_5200	45200	5200	15.874	15.772	0.006	-0.072	3.611	-597.117	1
45200_5201	45200	5201	-24.618	38.15	-0.002	0.012	-4.35	316.446	1
45201_5201	45201	5201	12.146	9.617	0.005	0.001	3.196	-470.774	1
45201_5202	45201	5202	-25.081	44.64	-0.007	-0.016	-4.432	70.709	1
45202_5202	45202	5202	8.744	7.068	0.02	-0.201	2.841	-304.173	1
45202_5203	45202	5203	-24.751	47.667	-0.013	-0.004	-4.429	-143.932	1
45203_5203	45203	5203	5.937	2.713	0.027	-0.064	2.488	-113.209	1
45203_5204	45203	5204	-24.325	54.929	-0.025	0.06	-4.601	-455.973	1
45204_5204	45204	5204	-21.043	51.656	-0.064	-0.092	3.672	189.979	1
45204_5205	45204	5205	44.627	7.254	0.098	0.171	-5.702	286.841	1
45205_5205	45205	5205	-18.214	46.367	-0.084	0.186	2.571	-91.26	1
45205_5206	45205	5206	39.983	10.804	0.132	-0.333	-4.214	407.089	1
45206_5206	45206	5206	-16.15	41.038	-0.052	-0.289	1.46	-242.747	1
45206_5207	45206	5207	36.071	14.437	0.083	0.377	-3.22	468.363	1
45207_5207	45207	5207	-14.847	40.364	-0.016	-0.001	0.648	-355.237	1
45207_5208	45207	5208	31.664	14.61	0.068	0.041	-2.311	532.169	1
45208_5208	45208	5208	-14.283	34.82	-0.009	0	0.174	-470.977	1
45208_5209	45208	5209	27.335	18.61	0.06	0.028	-1.566	574.413	1
45209_5209	45209	5209	-14.477	29.614	-0.001	0.003	-0.186	-541.329	1
45209_5210	45209	5210	23.204	23.166	0.051	0.019	-0.947	583.994	1
45210_5210	45210	5210	-15.112	33.033	0.025	-0.657	-0.41	-620.002	1
45210_5211	45210	5211	19.846	21.501	0.029	0.591	-0.627	655.916	1
45211_5211	45211	5211	-16.148	28.998	0.005	0.669	-0.38	-658.018	1
45211_5212	45211	5212	17.795	24.955	0.052	-0.651	-0.19	664.121	1
45212_5212	45212	5212	-17.612	25.169	0.039	-0.651	-0.464	-670.991	1
45212_5213	45212	5213	16.276	28.774	0.017	0.657	-0.034	654.189	1
45213_5213	45213	5213	-19.591	21.701	0.017	0.601	-0.262	-665.662	1
45213_5214	45213	5214	15.193	32.801	0.036	-0.667	0.226	619.313	1
45214_5214	45214	5214	-22.834	23.355	0.01	0.465	-0.176	-596.942	1
45214_5215	45214	5215	14.518	29.483	-0.023	-0.303	-0.006	543.491	1
45215_5215	45215	5215	-26.823	18.795	0.047	-0.456	-0.117	-590.805	1
45215_5216	45215	5216	14.274	34.673	-0.044	0.517	-0.418	476.743	1
45216_5216	45216	5216	-30.991	14.782	0.022	0.384	0.364	-551.704	1
45216_5217	45216	5217	14.786	40.201	-0.027	-0.289	-0.668	364.79	1
45217_5217	45217	5217	-35.212	14.541	0.011	1.557	0.671	-490.719	1
45217_5218	45217	5218	16.02	40.999	0.104	-0.119	0.133	255.515	1
45218_5218	45218	5218	-38.931	10.905	0.077	1.026	0.846	-431.189	1
45218_5219	45218	5219	18.006	46.306	0.039	-0.077	0.246	106.559	1
45219_5219	45219	5219	-43.307	7.34	0.317	-1.24	1.398	-315.634	1
45219_5220	45219	5220	20.735	51.578	-0.142	1.368	-1.674	-170.422	1
45220_5220	45220	5220	25.223	55.147	-0.014	0.768	0.877	394.902	1
45220_5221	45220	5221	7.3	3.251	0.146	-0.2	-3.326	133.131	1
45221_5221	45221	5221	25.92	48.108	-0.046	0.377	0.965	71.31	1
45221_5222	45221	5222	-9.028	7.355	0.073	0.526	-0.101	341.291	1
45222_5222	45222	5222	26.544	45.17	0.036	1.786	1.243	-159.804	1
45222_5223	45222	5223	-12.601	9.968	-0.108	-1.097	-1.142	513.151	1
45223_5223	45223	5223	26.401	38.845	-0.056	-0.602	2.578	-416.948	1
45223_5224	45223	5224	-16.586	15.92	-0.02	1.688	-1.166	650.485	1
45224_5224	45224	5224	26.3	41.704	0.128	2.766	2.25	-641.311	1
45224_5225	45224	5225	-19.885	15.416	-0.093	-2.121	-2.214	814.095	1
45225_5225	45225	5225	26.396	32.701	0.023	-0.448	3.804	-590.492	1
45225_5226	45225	5226	-21.782	19.337	-0.032	1.287	-2.758	732.651	1
45226_5226	45226	5226	26.542	34.26	0.127	2.796	4.15	-784.412	1
45226_5227	45226	5227	-24.231	19.747	-0.059	-1.928	-4.162	877.558	1
45227_5227	45227	5227	26.59	27.414	0.034	-1.526	5.807	-874.016	1
45227_5228	45227	5228	-25.422	26.072	0.024	2.373	-4.329	879.297	1
45228_5228	45228	5228	26.507	29.275	0.194	2.913	6.385	-886.248	1
45228_5229	45228	5229	-26.021	24.339	-0.106	-2.026	-6.193	908.387	1
45229_5229	45229	5229	26.164	22.652	0.105	-1.597	8.961	-915.825	1
45229_5230	45229	5230	-26.358	31.027	-0.022	2.421	-7.229	860.16	1
45230_5230	45230	5230	25.329	23.892	0.17	2.2	10.422	-869.794	1
45230_5231	45230	5231	-26.525	29.541	-0.183	-1.387	-10.459	815.017	1
45231_5231	45231	5231	23.841	17.599	0.092	-1.069	12.474	-848.767	1
45231_5232	45231	5232	-26.6	36.67	-0.103	1.749	-12.56	695.324	1
45232_5232	45232	5232	22.286	19.473	-0.154	1.738	13.235	-830.984	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45232_5233	45232	5233	-26.528	36.563	0.056	-0.915	-12.752	682.474	1
45233_5233	45233	5233	20.786	16.151	-0.177	0.322	11.613	-832.651	1
45233_5234	45233	5234	-26.571	41.829	0.112	0.122	-11.92	651.428	1
45234_5234	45234	5234	18.881	12.852	-0.212	-1.566	10.22	-747.346	1
45234_5235	45234	5235	-26.776	45.748	0.194	2.032	-10.156	496.344	1
45235_5235	45235	5235	17.293	13.808	1.349	2.213	8.455	-713.789	1
45235_5236	45235	5236	-26.591	45.927	-1.317	-1.048	-16.758	480.882	1
45236_5236	45236	5236	14.954	10.291	1.221	0.085	15.534	-589.727	1
45236_5237	45236	5237	-26.865	48.686	-1.288	0.396	-27.364	242.448	1
45237_5237	45237	5237	13.141	7.927	1.12	-1.276	25.06	-517.163	1
45237_5238	45237	5238	-26.651	53.35	-1.269	1.598	-35.854	152.702	1
45238_5238	45238	5238	10.128	12.946	-1.44	1.633	30.24	-345.848	1
45238_5239	45238	5239	-25.782	42.913	1.463	-1.033	-21.687	-58.723	1
45239_5239	45239	5239	7.324	8.546	-1.374	0.044	14.262	-231.731	1
45239_5240	45239	5240	-26.509	47.551	1.547	0.15	-4.434	-247.174	1
45240_5240	45240	5240	-28.692	41.708	0.862	0.523	-8.617	30.924	1
45240_5241	45240	5241	47.561	12.304	-0.919	0.009	-3.926	371.857	1
45241_5241	45241	5241	-27.203	37.983	0.909	-1.125	1.606	-311.478	1
45241_5242	45241	5242	43.011	18.613	-1.165	2.085	-10.341	533.155	1
45242_5242	45242	5242	-25.933	34.072	0.843	-1.044	6.032	-349.392	1
45242_5243	45242	5243	40.709	22.065	-1.206	2.428	-17.794	531.454	1
45243_5243	45243	5243	-24.807	42.517	-0.468	1.464	8.783	-309.314	1
45243_5244	45243	5244	37.859	13.943	0.809	-0.87	-9.519	542.456	1
45244_5244	45244	5244	-24.748	36.077	-0.283	-0.549	2.352	-472.538	1
45244_5245	45244	5245	33.747	18.402	0.645	1.25	-2.673	598.06	1
45245_5245	45245	5245	-25.69	33.271	-0.092	1.777	-1.511	-560.733	1
45245_5246	45245	5246	30.022	20.559	0.247	-1.085	0.171	629.542	1
45246_5246	45246	5246	-27.483	27.468	0.032	-0.805	-3.253	-644.342	1
45246_5247	45246	5247	27.157	26.124	0.114	1.431	1.478	646.93	1
45247_5247	45247	5247	-30.128	26.273	-0.174	1.717	-3.59	-659.047	1
45247_5248	45247	5248	25.457	27.542	0.194	-0.997	3.344	643.877	1
45248_5248	45248	5248	-34.118	20.679	-0.044	-0.643	-5.827	-638.598	1
45248_5249	45248	5249	24.716	33.225	0.113	1.294	4.727	552.455	1
45249_5249	45249	5249	-38.819	18.485	-0.132	1.158	-6.608	-606.823	1
45249_5250	45249	5250	24.895	36.222	0.13	-0.487	6.32	457.748	1
45250_5250	45250	5250	-43.395	14.298	0.028	-0.562	-7.748	-571.242	1
45250_5251	45250	5251	26.103	42.814	0.07	1.004	7.506	316.213	1
45251_5251	45251	5251	-46.338	23.014	1.159	1.403	-7.044	-565.97	1
45251_5252	45251	5252	28.221	34.672	-1.071	-0.673	1.472	361.165	1
45252_5252	45252	5252	-49.034	19.476	1.175	0.379	0.029	-559.841	1
45252_5253	45252	5253	30.075	38.21	-1.212	-0.22	-6.391	303.393	1
45253_5253	45253	5253	-52.907	14.665	1.186	-1.097	6.634	-471.469	1
45253_5254	45253	5254	32.311	41.971	-1.38	0.827	-20.298	95.091	1
45254_5254	45254	5254	20.561	43.784	1.123	4.599	9.429	-54.757	1
45254_5255	45254	5255	-4.734	18.48	-1.969	-0.829	-22.665	329.714	1
45255_5255	45255	5255	23.135	47.164	-1.335	0.543	7.5	238.925	1
45255_5256	45255	5256	-6.503	9.263	1.805	-0.328	0.411	281.04	1
45256_5256	45256	5256	23.626	42.458	-1.254	0.067	-10.385	-53.752	1
45256_5257	45256	5257	-9.111	14.65	1.838	1.329	19.292	433.519	1
45257_5257	45257	5257	24.743	53.556	0.658	2.123	-21.559	-230.485	1
45257_5258	45257	5258	-11.773	8.715	-0.708	-1.719	15.844	588.831	1
45258_5258	45258	5258	25.159	49.625	0.586	1.136	-16.769	-342.482	1
45258_5259	45258	5259	-13.397	10.958	-0.668	-0.616	11.464	665.7	1
45259_5259	45259	5259	25.397	45.652	0.53	-0.457	-11.597	-467.196	1
45259_5260	45259	5260	-15.345	13.906	-0.604	1.679	7.425	739.578	1
45260_5260	45260	5260	25.729	46.699	0.528	3.595	-7.04	-634.389	1
45260_5261	45260	5261	-17.321	13.836	-0.424	-2.983	5.253	847.499	1
45261_5261	45261	5261	26.023	43.182	0.417	0.556	-3.244	-724.979	1
45261_5262	45261	5262	-18.735	16.241	-0.392	0.043	2.857	899.176	1
45262_5262	45262	5262	26.981	36.348	0.356	-0.071	0.35	-666.984	1
45262_5263	45262	5263	-20.154	19.141	-0.401	1.031	-2.17	836.666	1
45263_5263	45263	5263	27.983	36.672	0.253	2.385	4.693	-798.184	1
45263_5264	45263	5264	-22.4	19.159	-0.118	-1.615	-4.543	926.56	1
45264_5264	45264	5264	28.885	30.165	0.202	-0.602	7.91	-896.984	1
45264_5265	45264	5265	-24.183	24.858	-0.088	1.387	-6.459	938.292	1
45265_5265	45265	5265	29.629	31.255	0.335	3.154	10.52	-930.748	1
45265_5266	45265	5266	-25.605	23.991	-0.229	-2.215	-10.422	973.599	1
45266_5266	45266	5266	30.102	25.11	0.232	-1.306	14.638	-980.514	1
45266_5267	45266	5267	-26.811	30.223	-0.158	2.204	-13.551	949.674	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45267_5267	45267	5267	30.151	26.248	0.245	3.489	17.217	-957.037	1
45267_5268	45267	5268	-27.837	29.026	-0.249	-2.42	-17.848	926.59	1
45268_5268	45268	5268	29.585	20.434	0.103	-1.766	19.619	-954.31	1
45268_5269	45268	5269	-28.761	35.402	-0.117	2.717	-20.323	838.9	1
45269_5269	45269	5269	28.691	22.336	0.225	3.034	20.267	-955.945	1
45269_5270	45269	5270	-29.537	34.92	-0.371	-1.95	-24.301	845.571	1
45270_5270	45270	5270	27.387	18.018	0.131	0.005	21.415	-922.797	1
45270_5271	45270	5271	-29.974	39.868	-0.274	0.607	-26.869	746.307	1
45271_5271	45271	5271	26.086	15.38	0.058	-2.13	21.757	-914.805	1
45271_5272	45271	5272	-30.477	44.814	-0.183	2.805	-27.688	715.611	1
45272_5272	45272	5272	24.364	16.067	1.126	2.307	20.992	-832.399	1
45272_5273	45272	5273	-30.89	43.626	-1.126	-1.281	-35	604.75	1
45273_5273	45273	5273	22.605	13.45	1.032	0.309	27.579	-778.495	1
45273_5274	45273	5274	-31.248	47.248	-1.119	0.231	-41.66	507.422	1
45274_5274	45274	5274	19.354	9.539	0.854	-1.593	31.41	-602.162	1
45274_5275	45274	5275	-31.753	50.443	-1.078	2.221	-53.077	159.082	1
45275_5275	45275	5275	15.73	15.269	-3.2	0.96	36.643	-478.09	1
45275_5276	45275	5276	-30.869	42.195	2.672	-0.04	-25.677	92.613	1
45276_5276	45276	5276	12.869	11.281	-3.173	-1.168	1.417	-403.775	1
45276_5277	45276	5277	-30.408	47.083	2.971	1.458	6.924	-29.716	1
45277_5277	45277	5277	9.951	15.94	2.537	-2.993	-30.775	-322.342	1
45277_5278	45277	5278	-28.872	43.255	-0.93	0.906	5.055	-41.589	1
45278_5278	45278	5278	-29.647	38.509	1.326	1.923	-10.744	-154.122	1
45278_5279	45278	5279	46.229	18.007	-0.731	-0.967	-4.507	512.803	1
45279_5279	45279	5279	-28.263	34.828	1.412	0.581	1.14	-326.311	1
45279_5280	45279	5280	42.831	23.028	-1.077	0.762	-11.351	573.179	1
45280_5280	45280	5280	-26.862	37.317	-0.521	1.102	8.26	-235.999	1
45280_5281	45280	5281	40.422	16.612	0.693	-0.869	-3.819	528.07	1
45281_5281	45281	5281	-27.033	29.403	-0.339	-0.26	0.714	-342.91	1
45281_5282	45281	5282	35.882	22.48	0.593	0.806	3.3	507.183	1
45282_5282	45282	5282	-28.872	29.672	0.161	1.16	-3.856	-376.781	1
45282_5283	45282	5283	31.345	21.734	0.123	-0.732	4.696	489.905	1
45283_5283	45283	5283	-32.132	22.925	0.34	-0.673	-1.338	-450.39	1
45283_5284	45283	5284	28.271	29.065	-0.034	1.243	3.575	440.926	1
45284_5284	45284	5284	-36.651	25.541	0.084	0.962	3.874	-454.196	1
45284_5285	45284	5285	26.882	25.44	-0.242	-0.492	-0.612	431.823	1
45285_5285	45285	5285	-41.631	19.747	0.122	-0.491	5.069	-196.693	1
45285_5286	45285	5286	26.977	32.556	-0.289	0.862	-4.738	384.534	1
45286_5286	45286	5286	-47.82	22.074	-0.466	1.565	5.483	-462.407	1
45286_5287	45286	5287	28.199	30.174	0.619	-0.622	1.476	293.125	1
45287_5287	45287	5287	-53.712	16.035	-0.127	-0.457	0.765	-469.04	1
45287_5288	45287	5288	30.941	37.478	0.546	0.831	7.464	160.374	1
45288_5288	45288	5288	-55.658	25.868	1.227	2.339	0.235	-562.748	1
45288_5289	45288	5289	35.056	34.459	-1.519	-2.244	0.886	330.892	1
45289_5289	45289	5289	-59.752	21.001	1.117	1.305	6.639	-473.905	1
45289_5290	45289	5290	36.847	36.646	-1.61	-1.84	-14.87	107.266	1
45290_5290	45290	5290	8.534	45.769	2.204	-1.99	3.156	14.784	1
45290_5291	45290	5291	-0.88	12.764	-3.571	3.274	-39.912	283.471	1
45291_5291	45291	5291	7.713	47.08	-2.019	1.079	21.541	-151.092	1
45291_5292	45291	5292	-1.733	10.624	2.723	-0.703	-8.796	433.834	1
45292_5292	45292	5292	6.57	41.985	-1.859	-0.828	-1.396	-384.479	1
45292_5293	45292	5293	-2.236	15.491	2.687	1.661	19.064	562.999	1
45293_5293	45293	5293	6.161	48.699	0.375	2.555	-19.127	-584.364	1
45293_5294	45293	5294	-3.119	11.321	-0.505	-1.804	16.035	740.539	1
45294_5294	45294	5294	5.361	44.465	0.343	0.663	-15.9	-724.585	1
45294_5295	45294	5295	-3.578	14.51	-0.475	-0.211	12.777	836.678	1
45295_5295	45295	5295	4.974	40.054	0.315	-1.319	-12.772	-841.597	1
45295_5296	45295	5296	-4.01	18.245	-0.451	1.99	9.48	906.413	1
45296_5296	45296	5296	5.002	45.745	0.314	2.568	-10.029	-1050.853	1
45296_5297	45296	5297	-4.27	15.426	-0.286	-1.963	8.657	1078.302	1
45297_5297	45297	5297	5.082	40.507	0.29	1.315	-8.368	-997.473	1
45297_5298	45297	5298	-4.382	17.329	-0.296	-0.859	6.094	1046.106	1
45298_5298	45298	5298	5.151	35.578	0.255	-1.533	-5.486	-1123.007	1
45298_5299	45298	5299	-4.604	21.914	-0.312	1.991	3.339	1118.175	1
45299_5299	45299	5299	5.228	38.214	0.011	3.422	-3.163	-1135.298	1
45299_5300	45299	5300	-4.775	18.552	-0.003	-2.509	3.241	1173.594	1
45300_5300	45300	5300	5.299	31.685	-0.005	-2.05	-2.946	-1239.984	1
45300_5301	45300	5301	-4.935	24.302	0.018	2.674	3.398	1222.338	1
45301_5301	45301	5301	5.354	34.664	0.08	3.447	-2.869	-1283.646	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45301_5302	45301	5302	-5.055	21.662	-0.092	-2.624	2.188	1321.164	1
45302_5302	45302	5302	5.373	28.666	0.055	-2.47	-1.777	-1381.715	1
45302_5303	45302	5303	-5.152	27.992	-0.071	3.18	1.296	1373.203	1
45303_5303	45303	5303	5.34	31.641	0.014	3.787	-1.103	-1333.015	1
45303_5304	45303	5304	-5.23	24.395	-0.038	-3.019	0.76	1395.424	1
45304_5304	45304	5304	5.239	25.885	-0.012	-2.986	-0.93	-1403.406	1
45304_5305	45304	5305	-5.306	31.002	-0.01	3.897	0.689	1428.844	1
45305_5305	45305	5305	5.021	29.214	0.076	2.992	-1.101	-1312.774	1
45305_5306	45305	5306	-5.354	26.871	-0.1	-2.564	-0.419	1418.359	1
45306_5306	45306	5306	4.646	22.684	0.054	-1.792	-0.259	-1268.916	1
45306_5307	45306	5307	-5.377	33.051	-0.079	2.581	-1.195	1358.443	1
45307_5307	45307	5307	4.064	24.548	0.02	3.042	0.25	-1130.304	1
45307_5308	45307	5308	-5.353	29.632	-0.045	-2.908	-1.509	1323.75	1
45308_5308	45308	5308	3.17	16.915	0.001	-1.72	0.29	-960.512	1
45308_5309	45308	5309	-5.254	35.994	-0.021	2.937	-1.491	1191.253	1
45309_5309	45309	5309	2.115	14.982	-0.049	1.724	0.119	-698.852	1
45309_5310	45309	5310	-5.039	34.041	-0.009	-2.194	-1.259	1067.495	1
45310_5310	45310	5310	1.356	8.548	-0.046	-0.846	-0.468	-495.039	1
45310_5311	45310	5311	-4.67	41.436	0.058	2.249	0.359	822.71	1
45311_5311	45311	5311	0.723	5.382	0.026	0.721	-0.584	-267.935	1
45311_5312	45311	5312	-4.089	44.63	-0.065	-0.92	0.491	456.761	1
45312_5312	45312	5312	-1.576	2.342	0.609	0.18	-6.601	16.321	1
45312_5313	45312	5313	-3.174	54.752	-0.058	1.497	0	-20.548	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
3500_3204	3500	3204	18.34	-4.777	-6.03	-0.308	25.687	-145.914	1
3500_3501	3500	3501	-9.453	-0.247	-0.591	0.007	-2.119	-34.14	1
3501_3501	3501	3501	18.751	-5.286	-0.191	0.164	0.688	-146.997	1
3501_3502	3501	3502	-9.497	-0.265	0.15	0.01	-1.377	-33.322	1
3502_3502	3502	3502	18.792	-4.836	-0.216	-0.032	0.047	-126.424	1
3502_3503	3502	3503	-14.334	-0.56	0.179	-0.005	0.167	-38.782	1
3503_3503	3503	3503	18.384	-5.144	0.234	0.126	-2.948	-90.264	1
3503_3504	3503	3504	-24.446	-1.133	0.101	0.026	-0.521	-38.254	1
3504_3504	3504	3504	18.499	-4.715	0.213	0.088	-1.282	-53.19	1
3504_3505	3504	3505	-26.832	-1.723	0.13	-0.016	0.486	-27.627	1
3505_3505	3505	3505	18.338	-4.713	-0.027	0.127	0.35	-25.723	1
3505_3506	3505	3506	-27.515	-2.708	0.058	0.036	1.06	10.387	1
3506_3506	3506	3506	18.315	-4.305	0.012	0.077	0.007	42.198	1
3506_3507	3506	3507	-27.644	-3.718	-0.298	0.022	-1.81	42.743	1
3507_3507	3507	3507	18.399	-3.928	0.01	0.087	0.123	80.323	1
3507_3508	3507	3508	-27.573	-4.286	-0.293	0.065	-3.438	66.559	1
3508_3508	3508	3508	17.464	-7.688	-0.285	-0.003	0.461	96.182	1
3508_3509	3508	3509	9.5	-0.246	0.588	0.462	2.482	-26.086	1
3509_3509	3509	3509	-9.805	-0.417	-0.542	0.407	-2.733	26.895	1
3509_3510	3509	3510	-16.998	-7.781	-0.403	0.085	-1.289	-99.163	1
3510_3510	3510	3510	26.219	-4.473	0.469	-0.031	-5.731	-64.953	1
3510_3511	3510	3511	-18.158	-4.051	0.065	0.078	-0.566	-80.809	1
3511_3511	3511	3511	26.297	-3.933	0.473	0.039	-3.126	-40.112	1
3511_3512	3511	3512	-18.071	-4.424	0.063	0.102	-0.016	-41.634	1
3512_3512	3512	3512	25.099	-3.027	-0.087	0.027	1.32	-6.464	1
3512_3513	3512	3513	-18.081	-4.807	-0.029	0.134	-0.37	27.686	1
3513_3513	3513	3513	23.217	-2.146	0.009	0.021	0.345	35.193	1
3513_3514	3513	3514	-18.468	-4.724	0.242	0.123	1.465	55.386	1
3514_3514	3514	3514	22.607	-1.609	0	0.016	0.356	49.553	1
3514_3515	3514	3515	-18.354	-5.152	0.244	0.095	3.224	92.523	1
3515_3515	3515	3515	19.305	-0.942	0.212	0.007	0.259	55.711	1
3515_3516	3515	3516	-19.127	-4.788	-0.286	-0.005	-0.471	128.884	1
3516_3516	3516	3516	15.366	-0.529	0.211	-0.028	2.224	55.804	1
3516_3517	3516	3517	-19.007	-5.245	-0.279	0.06	-1.457	147.182	1
3517_3517	3517	3517	14.294	-0.499	-1.307	-0.014	3.048	54.396	1
3517_3220	3517	3220	-18.69	-4.658	-6.183	-0.323	-27.31	143.533	1
3520_3241	3520	3241	24.269	-6.806	-2.094	-0.852	6.102	-202.238	1
3520_3521	3520	3521	-11.713	-0.488	-0.488	-0.11	-3.94	-45.933	1
3521_3521	3521	3521	25.055	-7.119	0.441	0.34	-4.721	-186.651	1
3521_3522	3521	3522	-12.654	-0.524	0.35	0.052	-2.681	-46.083	1
3522_3522	3522	3522	24.924	-6.527	0.345	0.007	-2.934	-159.736	1
3522_3523	3522	3523	-15.542	-0.865	0.435	0.006	1.583	-43.729	1
3523_3523	3523	3523	25.238	-5.996	0.055	0.242	0.868	-94.501	1
3523_3524	3523	3524	-18.515	-1.29	-0.134	0.112	0.849	-40.035	1
3524_3524	3524	3524	24.922	-5.4	-0.025	0.04	1.083	-48.066	1
3524_3525	3524	3525	-19.781	-1.744	-0.065	-0.038	0.344	-29.848	1
3525_3525	3525	3525	25.003	-4.675	-0.122	0.121	1.086	-14.206	1
3525_3526	3525	3526	-24.505	-2.501	0.042	0.018	0.628	10.805	1
3526_3526	3526	3526	24.449	-3.815	-0.054	-0.036	-0.635	53.132	1
3526_3527	3526	3527	-25.363	-3.44	-0.151	-0.039	-0.909	40.745	1
3527_3527	3527	3527	24.524	-3.3	-0.11	0.2	-1.017	86.918	1
3527_3528	3527	3528	-25.285	-3.974	-0.085	0.08	-1.334	62.809	1
3528_3528	3528	3528	23.002	-8.278	-0.226	-0.247	-1.567	101.016	1
3528_3529	3528	3529	10.844	-0.257	-0.039	-0.176	-1.464	-34.626	1
3529_3529	3529	3529	-9.731	-0.378	-1.285	0.776	-7.083	30.022	1
3529_3530	3529	3530	-21.551	-8.478	-1.121	0.296	-4.703	-104.516	1
3530_3530	3530	3530	23.666	-4.166	1.109	-0.019	-14.753	-60.776	1
3530_3531	3530	3531	-23.132	-3.675	0.154	0.23	-3.629	-83.977	1
3531_3531	3531	3531	23.751	-3.664	1.046	0.071	-8.555	-37.654	1
3531_3532	3531	3532	-23.048	-4.165	0.206	0.1	-1.706	-47.082	1
3532_3532	3532	3532	23.148	-2.952	-0.053	0.043	1.109	-5.567	1
3532_3533	3532	3533	-22.966	-4.73	-0.013	0.17	-1.73	19.588	1
3533_3533	3533	3533	21.648	-2.162	-0.035	0.009	0.671	34.99	1
3533_3534	3533	3534	-23.082	-4.914	0.116	0.097	-0.739	51.099	1
3534_3534	3534	3534	21.463	-1.649	-0.05	0.031	0.403	50.083	1
3534_3535	3534	3535	-22.959	-5.46	0.13	0.148	0.193	90.484	1
3535_3535	3535	3535	19.057	-0.975	0.504	-0.036	0.2	57.278	1
3535_3536	3535	3536	-22.929	-5.393	-0.501	-0.185	-5.192	141.506	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
3536_3536	3536	3536	17.534	-0.521	0.422	0.081	5.437	63.229	1
3536_3537	3536	3537	-22.792	-5.954	-0.416	0.505	-6.798	162.297	1
3537_3537	3537	3537	-12.125	-0.91	-0.131	0.059	9.685	-24.553	1
3537_3255	3537	3255	-22.15	-6.898	-1.232	-0.748	-13.901	194.8	1
3540_3279	3540	3279	22.734	-7.847	-0.8	-0.441	11.066	-214.77	1
3540_3541	3540	3541	11.335	-0.351	-0.064	0.065	-3.144	31.198	1
3541_3541	3541	3541	23.306	-6.799	-0.215	0.404	6.904	-179.559	1
3541_3542	3541	3542	-16.207	-0.249	-0.617	0.166	6.309	-46.699	1
3542_3542	3542	3542	23.324	-6.251	-0.251	0.017	6.065	-154.742	1
3542_3543	3542	3543	-20.098	-0.683	-0.696	-0.088	-0.147	-45.752	1
3543_3543	3543	3543	23.153	-5.748	-0.106	0.206	3.245	-88.64	1
3543_3544	3543	3544	-21.848	-1.469	0.055	0.015	-0.052	-36.34	1
3544_3544	3544	3544	23.28	-5.209	-0.131	0.093	2.465	-47.228	1
3544_3545	3544	3545	-22.623	-1.985	0.083	-0.032	0.494	-22.112	1
3545_3545	3545	3545	23.271	-4.564	-0.211	0.126	1.708	-13.341	1
3545_3546	3545	3546	-22.605	-2.8	0.005	-0.003	0.242	18.437	1
3546_3546	3546	3546	22.796	-3.839	-0.043	-0.055	-1.289	52.319	1
3546_3547	3546	3547	-22.619	-3.643	0.066	-0.069	0.627	50.931	1
3547_3547	3547	3547	22.873	-3.347	-0.093	0.186	-1.572	86.332	1
3547_3548	3547	3548	-22.535	-4.13	0.124	0.038	1.371	73.846	1
3548_3548	3548	3548	21.503	-8.031	-0.345	-0.43	-2.182	100.608	1
3548_3549	3548	3549	8.511	-0.131	0.353	-0.267	-2.055	-32.201	1
3549_3549	3549	3549	21.018	-0.558	-3.006	0.971	-7.88	-71.591	1
3549_3550	3549	3550	-20.549	-8.282	-0.926	0.584	-4.688	-102.06	1
3550_3550	3550	3550	20.525	-4.714	1.377	0	-19.036	-70.277	1
3550_3551	3550	3551	-21.894	-3.529	0.003	0.316	-3.299	-84.752	1
3551_3551	3551	3551	20.631	-4.248	1.303	0.112	-11.171	-43.608	1
3551_3552	3551	3552	-21.808	-4.026	0.068	0.112	-2.589	-50.865	1
3552_3552	3552	3552	20.495	-3.635	0.075	0.065	0.22	-7.921	1
3552_3553	3552	3553	-21.555	-4.715	0.114	0.206	-0.844	15.57	1
3553_3553	3553	3553	19.623	-2.857	0.028	-0.033	1.593	41.888	1
3553_3554	3553	3554	-21.46	-5.098	0.202	0.09	0.627	49.792	1
3554_3554	3554	3554	19.69	-2.349	-0.025	0.08	1.735	61.993	1
3554_3555	3554	3555	-21.386	-5.651	0.252	0.208	2.375	91.156	1
3555_3555	3555	3555	18.491	-1.529	0.636	0.044	1.778	77.215	1
3555_3556	3555	3556	-21.074	-5.835	0.009	-0.009	2.388	146.581	1
3556_3556	3556	3556	18.157	-1.021	0.642	-0.233	8.421	91.51	1
3556_3557	3556	3557	-20.905	-6.416	0	-0.141	2.405	168.553	1
3557_3557	3557	3557	18.567	-0.426	-1.377	-0.703	10.745	92.89	1
3557_3293	3557	3293	-33.005	-7.033	-3.493	-1.414	-10.237	133.741	1
5000_5000	5000	5000	-0.351	-2.539	0.017	-0.017	0	-1.206	1
5000_5001	5000	5001	48.402	-47.583	0.032	-0.054	0.411	371.964	1
5001_5001	5001	5001	-28.863	-6.327	-0.008	-0.036	-0.097	-220.082	1
5001_5002	5001	5002	72.473	-39.895	0.039	0.046	0.887	555.399	1
5002_5002	5002	5002	-43.222	-7.998	0.014	0.042	-0.295	-329.661	1
5002_5003	5002	5003	94.794	-37.437	-0.048	-0.112	0.407	725.379	1
5003_5003	5003	5003	-63.213	-14.101	0.021	-0.088	-0.191	-482.266	1
5003_5004	5003	5004	105.747	-30.267	-0.05	0.111	-0.2	808.827	1
5004_5004	5004	5004	-83.537	-15.559	-0.002	0.04	0.099	-637.944	1
5004_5005	5004	5005	116.969	-32.669	0.006	-0.075	-0.15	894.036	1
5005_5005	5005	5005	-101.976	-22.854	-0.004	-0.096	0.097	-778.99	1
5005_5006	5005	5006	120.04	-26.373	0.006	0.089	-0.086	917.318	1
5006_5006	5006	5006	-110.09	-20.567	0.003	0.11	0.061	-841.279	1
5006_5007	5006	5007	126.013	-29.945	-0.006	-0.164	-0.162	962.479	1
5007_5007	5007	5007	-119.347	-26.97	0.003	-0.182	0.114	-911.875	1
5007_5008	5007	5008	124.7	-23.869	-0.005	0.151	-0.237	952.369	1
5008_5008	5008	5008	-120.637	-23.448	-0.002	0.121	0.184	-921.829	1
5008_5009	5008	5009	126.789	-27.516	0.003	-0.169	-0.21	968.016	1
5009_5009	5009	5009	-124.937	-29.672	-0.003	-0.188	0.176	-954.421	1
5009_5010	5009	5010	121.929	-21.507	0.003	0.146	-0.178	930.981	1
5010_5010	5010	5010	-121.844	-26.122	0.006	-0.014	0.149	-930.885	1
5010_5011	5010	5011	120.589	-24.958	-0.005	0.004	-0.247	920.631	1
5011_5011	5011	5011	-121.993	-32.325	0.006	-0.012	0.232	-931.848	1
5011_5012	5011	5012	112.661	-19.025	-0.004	0.002	-0.297	860.341	1
5012_5012	5012	5012	-114.971	-28.971	-0.013	0.041	0.305	-878.443	1
5012_5013	5012	5013	107.779	-22.024	0.01	-0.059	-0.163	823.097	1
5013_5013	5013	5013	-111.169	-35.21	-0.013	-0.08	0.152	-849.431	1
5013_5014	5013	5014	97.749	-16.292	0.01	0.056	-0.031	746.735	1
5014_5014	5014	5014	-100.363	-32.522	0.026	0.022	0	-767.348	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5014_5015	5014	5015	87.214	-16.63	-0.017	-0.039	-0.324	666.243	1
5015_5015	5015	5015	-95.492	-41.04	0.015	-0.043	0.262	-688.088	1
5015_5016	5015	5016	83.346	-12.655	-0.011	0.033	-0.309	613.51	1
5016_5016	5016	5016	-81.314	-37.653	-0.006	0.011	0.375	-607.705	1
5016_5017	5016	5017	66.565	-13.729	0.008	-0.025	-0.197	543.411	1
5017_5017	5017	5017	-61.322	-44.223	-0.007	-0.041	0.266	-529.177	1
5017_5018	5017	5018	41.311	-7.921	0.007	0.024	-0.09	417.446	1
5018_5018	5018	5018	-33.501	-46.606	0.002	-0.008	0.135	-378.357	1
5018_5019	5018	5019	22.088	-5.923	0	-0.012	-0.099	281.31	1
5019_5019	5019	5019	-11.774	-53.911	0.002	-0.027	0.133	-222.849	1
5019_5020	5019	5020	6.896	-1.957	0.002	0.012	-0.067	115.179	1
5020_5020	5020	5020	-62.579	-6.456	-0.018	0.004	0.468	-210.11	1
5020_5021	5020	5021	35.922	-47.144	0.01	-0.012	-0.165	163.608	1
5021_5021	5021	5021	-68.341	-9.773	-0.012	0.005	0.22	-276.662	1
5021_5022	5021	5022	46.054	-41.853	0.007	-0.009	-0.055	241.505	1
5022_5022	5022	5022	-72.337	-13.269	-0.008	-0.026	0.115	-324.664	1
5022_5023	5022	5023	53.277	-36.714	0.004	0.008	-0.006	300.691	1
5023_5023	5023	5023	-74.179	-13.184	-0.004	-0.01	0.051	-360.186	1
5023_5024	5023	5024	61.911	-36.438	0.002	0	0.022	365.757	1
5024_5024	5024	5024	-76.779	-17.02	-0.007	0.041	0.01	-400.276	1
5024_5025	5024	5025	66.919	-31.137	0.002	-0.045	0.049	403.128	1
5025_5025	5025	5025	-76.986	-21.408	-0.001	-0.056	-0.041	-423.017	1
5025_5026	5025	5026	68.675	-26.206	-0.001	0.039	0.051	415.339	1
5026_5026	5026	5026	-74.982	-19.3	-0.003	0.004	-0.048	-426.885	1
5026_5027	5026	5027	72.343	-30.047	0	-0.015	0.055	438.13	1
5027_5027	5027	5027	-75.692	-22.583	-0.003	0.014	-0.065	-442.247	1
5027_5028	5027	5028	73.941	-26.191	0	-0.023	0.056	445.333	1
5028_5028	5028	5028	-75.376	-26.232	-0.002	0.011	-0.075	-448.096	1
5028_5029	5028	5029	73.704	-22.542	-0.001	-0.017	0.051	438.427	1
5029_5029	5029	5029	-73.253	-30.1	0	-0.055	-0.08	-439.771	1
5029_5030	5029	5030	72.384	-19.268	-0.003	0.04	0.03	422.09	1
5030_5030	5030	5030	-69.085	-26.201	0	0.02	-0.072	-415.862	1
5030_5031	5030	5031	73.488	-21.368	-0.003	-0.034	0.004	416.936	1
5031_5031	5031	5031	-66.721	-31.143	0.002	-0.018	-0.055	-402.413	1
5031_5032	5031	5032	72.25	-16.98	-0.005	0.01	-0.045	392.933	1
5032_5032	5032	5032	-61.077	-36.459	0.003	-0.016	-0.021	-363.657	1
5032_5033	5032	5033	68.592	-13.155	-0.006	0.006	-0.108	351.755	1
5033_5033	5033	5033	-51.769	-36.697	0.005	-0.003	0.023	-297.204	1
5033_5034	5033	5034	65.681	-13.224	-0.009	-0.007	-0.186	315.16	1
5034_5034	5034	5034	-43.839	-41.856	0.006	0	0.084	-236.791	1
5034_5035	5034	5035	60.676	-9.732	-0.01	-0.01	-0.28	266.163	1
5035_5035	5035	5035	-32.755	-47.177	0.011	-0.013	0.21	-158.382	1
5035_5036	5035	5036	53.359	-6.431	-0.018	0.009	-0.566	200.214	1
5036_5036	5036	5036	-10.549	-2.792	0.001	0.006	-0.202	-122.852	1
5036_5037	5036	5037	-5.692	-51.452	0	-0.044	-0.268	173.557	1
5037_5037	5037	5037	-13.243	-6.615	0	-0.035	0.16	-258	1
5037_5038	5037	5038	11.14	-44.089	0.004	-0.017	-0.296	301.676	1
5038_5038	5038	5038	-28.294	-8.666	0.005	0.038	0.172	-380.486	1
5038_5039	5038	5039	33.006	-41.658	-0.002	-0.059	-0.381	421.97	1
5039_5039	5039	5039	-48.164	-14.432	0.002	-0.047	0.259	-486.595	1
5039_5040	5039	5040	48.141	-35.269	0.004	0.017	-0.39	474.464	1
5040_5040	5040	5040	-59.549	-13.287	-0.008	0.024	0.325	-535.115	1
5040_5041	5040	5041	59.238	-38.653	0.009	-0.03	-0.332	536.022	1
5041_5041	5041	5041	-76.367	-17.014	-0.005	-0.01	0.13	-539.908	1
5041_5042	5041	5042	78.081	-29.557	0.005	0.003	-0.092	553.151	1
5042_5042	5042	5042	-81.508	-16.029	0.002	-0.001	0.072	-576.628	1
5042_5043	5042	5043	89.053	-32.231	-0.001	-0.001	-0.109	616.556	1
5043_5043	5043	5043	-89.306	-22.045	0.002	0	0.095	-624.928	1
5043_5044	5043	5044	91.629	-25.559	-0.001	-0.002	-0.122	629.361	1
5044_5044	5044	5044	-90.912	-18.839	-0.001	-0.004	0.124	-633.281	1
5044_5045	5044	5045	98.409	-28.655	0	0.002	-0.112	668.256	1
5045_5045	5045	5045	-97.088	-25.22	-0.001	0	0.114	-668.241	1
5045_5046	5045	5046	96.471	-22.056	0	-0.002	-0.112	655.073	1
5046_5046	5046	5046	-95.339	-21.878	-0.001	0.032	0.113	-654.707	1
5046_5047	5046	5047	98.99	-25.311	0	-0.046	-0.105	669.401	1
5047_5047	5047	5047	-98.209	-28.495	-0.002	-0.048	0.107	-669.311	1
5047_5048	5047	5048	93.386	-18.903	0.001	0.034	-0.083	634.589	1
5048_5048	5048	5048	-92.35	-25.287	-0.001	0.03	0.083	-631.669	1
5048_5049	5048	5049	92.133	-22.038	0.002	-0.044	-0.059	625.66	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5049_5049	5049	5049	-90.727	-32.007	-0.003	-0.048	0.073	-620.405	1
5049_5050	5049	5050	84.544	-15.981	0.003	0.034	-0.019	576.746	1
5050_5050	5050	5050	-80.46	-29.255	0.004	0.009	0.033	-557.356	1
5050_5051	5050	5051	79.468	-16.927	-0.002	-0.022	-0.043	539.37	1
5051_5051	5051	5051	-66.567	-38.418	0.002	-0.058	0.088	-517.733	1
5051_5052	5051	5052	66.798	-13.023	-0.001	0.047	-0.052	512.334	1
5052_5052	5052	5052	-54.984	-34.952	0.002	0.018	0.094	-456.153	1
5052_5053	5052	5053	55.069	-14.308	-0.001	-0.049	-0.053	468.599	1
5053_5053	5053	5053	-35.043	-41.647	0	-0.083	0.118	-429.424	1
5053_5054	5053	5054	30.735	-8.572	0.001	0.056	-0.062	389.866	1
5054_5054	5054	5054	-14.053	-44.137	0	-0.017	0.103	-305.425	1
5054_5055	5054	5055	15.832	-6.448	0.001	-0.033	-0.047	267.186	1
5055_5055	5055	5055	2.291	-51.702	-0.002	-0.038	0.075	-174.373	1
5055_5056	5055	5056	3.609	-2.256	0.002	0.018	-0.023	109.168	1
5056_5056	5056	5056	-56.154	-6.432	-0.008	-0.002	0.222	-210.828	1
5056_5057	5056	5057	38.404	-46.693	0.005	-0.011	-0.084	195.942	1
5057_5057	5057	5057	-63.148	-9.945	-0.007	0.023	0.121	-290.406	1
5057_5058	5057	5058	47.702	-41.475	0.005	-0.025	-0.029	281.477	1
5058_5058	5058	5058	-67.975	-13.583	-0.004	-0.053	0.058	-346.727	1
5058_5059	5058	5059	54.435	-36.294	0.003	0.025	0.002	342.648	1
5059_5059	5059	5059	-70.509	-13.505	-0.008	0.09	0.025	-388.142	1
5059_5060	5059	5060	62.479	-36.3	0.004	-0.124	0.039	410.211	1
5060_5060	5060	5060	-73.635	-17.423	-0.003	-0.07	-0.036	-433.621	1
5060_5061	5060	5061	67.088	-31.014	0.001	0.041	0.053	448.192	1
5061_5061	5061	5061	-74.412	-21.891	-0.002	-0.063	-0.053	-460.048	1
5061_5062	5061	5062	68.653	-26.115	0.001	0.025	0.06	459.529	1
5062_5062	5062	5062	-72.989	-19.63	-0.002	0.04	-0.068	-465.639	1
5062_5063	5062	5063	72.12	-30.213	0	-0.071	0.061	483.167	1
5063_5063	5063	5063	-73.964	-22.926	-0.002	0.063	-0.076	-483.045	1
5063_5064	5063	5064	73.666	-26.365	0	-0.085	0.062	490.332	1
5064_5064	5064	5064	-73.923	-26.578	0.001	-0.083	-0.08	-490.114	1
5064_5065	5064	5065	73.514	-22.719	-0.002	0.061	0.05	482.538	1
5065_5065	5065	5065	-72.173	-30.441	0.001	-0.078	-0.071	-482.128	1
5065_5066	5065	5066	72.361	-19.439	-0.002	0.047	0.035	464.576	1
5066_5066	5066	5066	-68.509	-26.284	0.001	0.011	-0.06	-457.693	1
5066_5067	5066	5067	73.574	-21.707	-0.002	-0.035	0.014	458.5	1
5067_5067	5067	5067	-66.706	-31.195	0.001	0.02	-0.046	-445.485	1
5067_5068	5067	5068	72.611	-17.26	-0.003	-0.039	-0.011	431.864	1
5068_5068	5068	5068	-61.854	-36.489	0.003	-0.07	-0.026	-406.59	1
5068_5069	5068	5069	69.354	-13.372	-0.005	0.048	-0.06	386.633	1
5069_5069	5069	5069	-53.566	-36.411	0.002	0.024	0.008	-338.171	1
5069_5070	5069	5070	66.763	-13.493	-0.004	-0.071	-0.098	346.025	1
5070_5070	5070	5070	-46.658	-41.599	0.004	-0.021	0.04	-276.649	1
5070_5071	5070	5071	61.961	-9.884	-0.008	0.006	-0.17	291.007	1
5071_5071	5071	5071	-37.013	-46.858	0.007	-0.034	0.106	-191.611	1
5071_5072	5071	5072	55.009	-6.432	-0.012	0.02	-0.337	214.784	1
5072_5072	5072	5072	-8.24	-2.406	0	0.004	-0.068	-98.963	1
5072_5073	5072	5073	-2.099	-51.278	0	-0.047	-0.183	193.464	1
5073_5073	5073	5073	-14.61	-6.55	-0.002	-0.034	0.127	-267.776	1
5073_5074	5073	5074	15.267	-43.74	0.002	-0.014	-0.189	330.493	1
5074_5074	5074	5074	-29.52	-8.673	0.001	0.064	0.113	-393.962	1
5074_5075	5074	5075	37.598	-41.31	0.003	-0.099	-0.177	459.932	1
5075_5075	5075	5075	-54.264	-14.506	-0.003	-0.059	0.089	-476.21	1
5075_5076	5075	5076	59.37	-34.671	0.004	0.027	-0.119	490.22	1
5076_5076	5076	5076	-66.631	-13.199	0.002	0.042	0.067	-523.888	1
5076_5077	5076	5077	72.141	-38.207	0.001	-0.054	-0.128	557.155	1
5077_5077	5077	5077	-69.661	-17.351	0.001	-0.047	0.119	-586.435	1
5077_5078	5077	5078	75.691	-30.165	0.006	0.025	-0.129	629.873	1
5078_5078	5078	5078	-75.397	-16.224	0.002	0.08	0.139	-632.822	1
5078_5079	5078	5079	85.27	-33.015	-0.003	-0.111	-0.163	696.335	1
5079_5079	5079	5079	-82.987	-21.977	-0.001	-0.113	0.166	-688.513	1
5079_5080	5079	5080	88.191	-26.774	-0.001	0.083	-0.169	715.157	1
5080_5080	5080	5080	-85.871	-18.748	0	0.092	0.161	-707.388	1
5080_5081	5080	5081	94.549	-30.197	0	-0.124	-0.164	759.767	1
5081_5081	5081	5081	-92.356	-24.754	-0.003	-0.119	0.166	-751.413	1
5081_5082	5081	5082	94.066	-24.003	0.003	0.09	-0.13	755.751	1
5082_5082	5082	5082	-92.622	-21.059	0	-0.003	0.135	-750.294	1
5082_5083	5082	5083	97.327	-27.228	-0.001	-0.003	-0.135	779.919	1
5083_5083	5083	5083	-96.972	-27.623	0	-0.006	0.138	-779.138	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5083_5084	5083	5084	92.85	-20.696	-0.001	0	-0.142	748.927	1
5084_5084	5084	5084	-93.524	-24.358	0	0.086	0.146	-752.427	1
5084_5085	5084	5085	92.514	-24.352	0	-0.116	-0.14	748.332	1
5085_5085	5085	5085	-93.842	-30.586	-0.003	-0.126	0.143	-754.151	1
5085_5086	5085	5086	86.05	-18.391	0.002	0.094	-0.111	703.204	1
5086_5086	5086	5086	-87.29	-27.063	-0.003	0.08	0.113	-707.03	1
5086_5087	5086	5087	83.339	-21.68	0.003	-0.111	-0.08	684.449	1
5087_5087	5087	5087	-84.306	-33.336	-0.006	-0.115	0.079	-686.617	1
5087_5088	5087	5088	75.769	-15.947	0.005	0.084	-0.021	628.233	1
5088_5088	5088	5088	-74.708	-30.396	0.008	0.025	0.013	-618.828	1
5088_5089	5088	5089	70.497	-17.416	-0.003	-0.048	-0.063	585.082	1
5089_5089	5089	5089	-64.599	-38.354	0.004	-0.093	0.092	-586.772	1
5089_5090	5089	5090	60.849	-13.359	-0.001	0.073	-0.067	557.924	1
5090_5090	5090	5090	-53.238	-34.736	0.002	0.045	0.11	-517.863	1
5090_5091	5090	5091	49.443	-14.56	-0.001	-0.097	-0.071	505.102	1
5091_5091	5091	5091	-37.401	-41.32	-0.001	-0.088	0.123	-462.212	1
5091_5092	5091	5092	29.34	-8.538	0.002	0.057	-0.07	394.666	1
5092_5092	5092	5092	-15.61	-43.626	0.002	-0.01	0.098	-332.164	1
5092_5093	5092	5093	14.619	-6.49	0	-0.014	-0.084	267.035	1
5093_5093	5093	5093	1.407	-51.286	0.001	-0.026	0.099	-194.369	1
5093_5094	5093	5094	7.193	-2.501	0	0.001	-0.024	102.751	1
5094_5094	5094	5094	-54.436	-6.392	-0.01	0.013	0.237	-212.539	1
5094_5095	5094	5095	36.823	-46.473	0.004	-0.026	-0.083	194.664	1
5095_5095	5095	5095	-59.387	-9.941	-0.008	0.007	0.156	-297.723	1
5095_5096	5095	5096	44.343	-41.266	0.003	-0.02	-0.053	287.752	1
5096_5096	5096	5096	-63.687	-13.644	-0.003	-0.07	0.087	-355.264	1
5096_5097	5096	5097	50.44	-35.977	0	0.026	-0.04	350.006	1
5097_5097	5097	5097	-65.806	-13.433	-0.004	0.014	0.064	-397.151	1
5097_5098	5097	5098	57.916	-36.244	0.002	-0.031	-0.017	400.026	1
5098_5098	5098	5098	-68.583	-17.404	-0.003	0.023	0.033	-444.187	1
5098_5099	5098	5099	62.148	-30.874	0.001	-0.035	0.003	458.91	1
5099_5099	5099	5099	-69.16	-21.958	0	-0.08	0.01	-471.339	1
5099_5100	5099	5100	63.514	-25.92	-0.001	0.053	0.004	469.782	1
5100_5100	5100	5100	-67.662	-19.444	0.001	-0.097	0.01	-476.331	1
5100_5101	5100	5101	66.86	-30.368	-0.004	0.155	-0.014	495.103	1
5101_5101	5101	5101	-68.591	-22.775	0.004	-0.285	0.015	-494.929	1
5101_5102	5101	5102	68.392	-26.448	-0.007	0.323	-0.054	503.046	1
5102_5102	5102	5102	-68.575	-26.483	-0.007	0.32	0.039	-502.695	1
5102_5103	5102	5103	68.331	-22.742	0.004	-0.282	-0.038	495.249	1
5103_5103	5103	5103	-66.964	-30.405	-0.003	0.156	0.005	-494.716	1
5103_5104	5103	5104	67.331	-19.419	0.001	-0.099	-0.039	476.686	1
5104_5104	5104	5104	-63.545	-25.92	-0.001	0.053	-0.007	-469.393	1
5104_5105	5104	5105	68.727	-21.919	0	-0.08	-0.045	471.636	1
5105_5105	5105	5105	-62.092	-30.886	0.001	-0.035	-0.001	-458.622	1
5105_5106	5105	5106	68.047	-17.369	-0.003	0.022	-0.076	444.446	1
5106_5106	5106	5106	-57.772	-36.256	0.002	-0.033	0.024	-419.827	1
5106_5107	5106	5107	65.164	-13.396	-0.004	0.016	-0.117	397.315	1
5107_5107	5107	5107	-50.199	-35.938	0.002	-0.004	0.053	-349.789	1
5107_5108	5107	5108	62.95	-13.606	-0.005	-0.019	-0.164	355.31	1
5108_5108	5108	5108	-44.024	-41.245	0.003	0.006	0.088	-287.665	1
5108_5109	5108	5109	58.544	-9.897	-0.005	-0.026	-0.218	297.629	1
5109_5109	5109	5109	-36.318	-46.476	0.005	-0.022	0.119	-195.259	1
5109_5110	5109	5110	53.351	-6.338	-0.009	0.016	-0.299	212.417	1
5110_5110	5110	5110	-2.773	-2.268	0	0.02	0.121	-108.617	1
5110_5111	5110	5111	-1.691	-50.757	0.002	-0.043	-0.179	197.346	1
5111_5111	5111	5111	-14.622	-6.655	-0.002	-0.034	0.131	-271.802	1
5111_5112	5111	5112	14.573	-42.957	0.004	-0.012	-0.17	328.506	1
5112_5112	5112	5112	-29.033	-8.736	0.003	0.038	0.106	-397.277	1
5112_5113	5112	5113	35.209	-40.584	-0.002	-0.059	-0.231	450.795	1
5113_5113	5113	5113	-48.526	-14.866	0.001	-0.061	0.13	-503.828	1
5113_5114	5113	5114	49.699	-33.883	0.001	0.025	-0.202	497.977	1
5114_5114	5114	5114	-58.979	-13.591	-0.007	0.016	0.164	-550.579	1
5114_5115	5114	5115	60.108	-37.56	0.009	-0.023	-0.134	560.882	1
5115_5115	5115	5115	-74.232	-17.596	-0.006	-0.006	0.094	-540.51	1
5115_5116	5115	5116	75.487	-28.976	0.009	0.001	0.004	551.879	1
5116_5116	5116	5116	-78.419	-16.056	0.005	0.025	0.003	-571.989	1
5116_5117	5116	5117	84.852	-32.105	-0.006	-0.036	-0.061	610.142	1
5117_5117	5117	5117	-85.424	-21.911	0.004	-0.035	0.059	-618.083	1
5117_5118	5117	5118	86.982	-25.679	-0.004	0.024	-0.111	622.546	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5118_5118	5118	5118	-86.943	-18.402	-0.003	0.026	0.112	-627.095	1
5118_5119	5118	5119	93.199	-29.3	0.004	-0.037	-0.066	661.878	1
5119_5119	5119	5119	-92.754	-24.504	-0.005	-0.04	0.073	-662.811	1
5119_5120	5119	5120	91.847	-22.913	0.004	0.028	-0.015	653.627	1
5120_5120	5120	5120	-91.853	-20.618	0.003	0.079	0.019	-655.33	1
5120_5121	5120	5121	94.805	-26.334	-0.003	-0.107	-0.048	674.042	1
5121_5121	5121	5121	-95.715	-27.341	0	-0.108	0.053	-678.601	1
5121_5122	5121	5122	89.194	-19.616	0.001	0.078	-0.037	640.548	1
5122_5122	5122	5122	-91.026	-23.891	-0.001	0.025	0.052	-647.946	1
5122_5123	5122	5123	88.424	-23.5	0	-0.036	-0.027	638.437	1
5123_5123	5123	5123	-90.801	-30.275	-0.002	-0.039	0.036	-646.854	1
5123_5124	5123	5124	80.818	-17.358	0.001	0.027	-0.013	592.557	1
5124_5124	5124	5124	-82.996	-26.626	0	0.045	0.011	-598.138	1
5124_5125	5124	5125	77.569	-20.808	0	-0.064	-0.016	573.745	1
5125_5125	5125	5125	-79.282	-33.059	-0.002	-0.068	0.015	-576.468	1
5125_5126	5125	5126	69.119	-14.956	0.003	0.048	0.017	519.306	1
5126_5126	5126	5126	-68.223	-29.999	0.002	0.013	-0.008	-508.412	1
5126_5127	5126	5127	63.658	-16.678	0	-0.029	0.027	480.69	1
5127_5127	5127	5127	-60.392	-37.988	-0.001	-0.034	0.004	-457.057	1
5127_5128	5127	5128	57.041	-12.528	0.001	0.026	0.025	438.959	1
5128_5128	5128	5128	-47.534	-34.249	0.001	0.012	-0.012	-391.165	1
5128_5129	5128	5129	45.912	-13.988	0.001	-0.038	0.033	396.767	1
5129_5129	5129	5129	-27.417	-41.019	-0.001	-0.064	-0.026	-360.688	1
5129_5130	5129	5130	22.914	-8.046	0.006	0.04	0.107	318.513	1
5130_5130	5130	5130	-6.62	-42.668	0.007	-0.007	-0.054	-234.589	1
5130_5131	5130	5131	10.098	-7.007	-0.011	-0.016	-0.029	207.428	1
5131_5131	5131	5131	8.642	-50.319	0.007	-0.009	0.026	-108.993	1
5131_5132	5131	5132	-0.318	-2.744	-0.011	0.003	-0.185	63.796	1
5132_5132	5132	5132	-53.311	-5.864	0.009	-0.059	0.013	-172.161	1
5132_5133	5132	5133	33.717	-46.087	-0.002	0.129	-0.056	154.584	1
5133_5133	5133	5133	-60.714	-9.427	0.011	-0.113	0.08	-244.271	1
5133_5134	5133	5134	44.046	-40.465	-0.004	0.116	-0.065	232.12	1
5134_5134	5134	5134	-65.624	-13.212	-0.022	0.29	0.148	-295.919	1
5134_5135	5134	5135	51.021	-35.054	0.011	-0.125	0.027	290.056	1
5135_5135	5135	5135	-68.155	-12.451	0.003	0.019	-0.031	-333.599	1
5135_5136	5135	5136	59.87	-35.749	-0.003	-0.017	0.006	357.87	1
5136_5136	5136	5136	-71.859	-16.495	0.006	-0.031	-0.007	-378.941	1
5136_5137	5136	5137	64.753	-30.203	-0.004	0.033	-0.024	395.681	1
5137_5137	5137	5137	-72.844	-21.138	0.004	0.026	0.039	-404.952	1
5137_5138	5137	5138	66.122	-25.104	-0.003	-0.019	-0.043	406.583	1
5138_5138	5138	5138	-71.206	-18.508	-0.003	0.034	0.064	-409.638	1
5138_5139	5138	5139	69.878	-29.76	0.002	-0.042	-0.031	431.484	1
5139_5139	5139	5139	-72.444	-21.899	-0.001	-0.041	0.043	-427.98	1
5139_5140	5139	5140	71.441	-25.72	0	0.039	-0.026	439.792	1
5140_5140	5140	5140	-72.502	-25.696	-0.003	0.04	0.035	-436.076	1
5140_5141	5140	5141	71.039	-21.912	0.002	-0.043	-0.016	432.905	1
5141_5141	5141	5141	-70.611	-29.728	-0.001	-0.041	0.019	-429.111	1
5141_5142	5141	5142	69.455	-18.508	0	0.034	-0.015	415.685	1
5142_5142	5142	5142	-66.512	-25.086	0	0.001	0.013	-405.506	1
5142_5143	5142	5143	70.608	-21.194	0	-0.002	-0.021	412.286	1
5143_5143	5143	5143	-64.695	-30.178	0	0.001	0.015	-396.379	1
5143_5144	5143	5144	69.141	-16.537	0	-0.002	-0.024	387.42	1
5144_5144	5144	5144	-59.378	-35.71	0	0.002	0.018	-360.436	1
5144_5145	5144	5145	64.964	-12.478	0	-0.002	-0.023	343.075	1
5145_5145	5145	5145	-50.119	-35.598	-0.002	0.003	0.022	-294.616	1
5145_5146	5145	5146	61.571	-12.667	0.001	0.01	-0.014	303.501	1
5146_5146	5146	5146	-42.334	-41.024	-0.002	-0.002	0.011	-235.723	1
5146_5147	5146	5147	55.707	-8.894	0.001	0.012	-0.008	249.135	1
5147_5147	5147	5147	-31.082	-46.626	-0.003	0.02	-0.002	-155.994	1
5147_5148	5147	5148	47.038	-5.332	0.003	-0.019	0.015	174.549	1
5148_5148	5148	5148	0.899	-2.538	0.001	0.005	-0.024	-88.064	1
5148_5149	5148	5149	-11.055	-49.792	-0.001	-0.011	-0.003	149.159	1
5149_5149	5149	5149	-9.874	-6.846	0.001	-0.015	-0.01	-238.406	1
5149_5150	5149	5150	3.83	-42.099	0.001	-0.005	-0.007	268.095	1
5150_5150	5150	5150	-23.168	-9.003	0	0.007	0.002	-352.863	1
5150_5151	5150	5151	23.025	-39.66	0	-0.009	-0.007	378.018	1
5151_5151	5151	5151	-45.853	-14.821	0	-0.004	-0.001	-419.627	1
5151_5152	5151	5152	41.644	-33.044	0	0.002	-0.007	393.136	1
5152_5152	5152	5152	-55.519	-13.556	0	0.001	-0.002	-453.695	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5152_5153	5152	5153	52.514	-36.485	0	-0.001	-0.009	448.021	1
5153_5153	5153	5153	-67.228	-17.566	0	0.001	0.001	-471.347	1
5153_5154	5153	5154	64.145	-28.215	0	0	-0.007	467.528	1
5154_5154	5154	5154	-69.777	-16.191	0	0.001	0.005	-493.655	1
5154_5155	5154	5155	72.996	-30.724	0	-0.001	-0.008	517.489	1
5155_5155	5155	5155	-75.674	-22.059	0	0.001	0.007	-530.823	1
5155_5156	5155	5156	73.968	-24.235	0	-0.001	-0.01	522.92	1
5156_5156	5156	5156	-75.705	-19.316	0.001	0.001	0.009	-532.549	1
5156_5157	5156	5157	78.526	-27.498	-0.001	-0.001	-0.018	548.992	1
5157_5157	5157	5157	-79.331	-24.979	0.001	0.001	0.016	-553.582	1
5157_5158	5157	5158	76.661	-21.671	-0.001	-0.001	-0.027	538.881	1
5158_5158	5158	5158	-77.032	-21.761	-0.002	-0.014	0.026	-540.443	1
5158_5159	5158	5159	78.739	-24.974	0.001	0.018	-0.013	551.09	1
5159_5159	5159	5159	-78.629	-27.56	0	0.019	0.011	-549.337	1
5159_5160	5159	5160	74.901	-19.304	-0.001	-0.014	-0.02	529.203	1
5160_5160	5160	5160	-73.856	-24.438	0	0.001	0.014	-522.341	1
5160_5161	5160	5161	74.633	-22.072	0.001	-0.001	-0.011	526.539	1
5161_5161	5161	5161	-72.534	-30.866	0	0.001	0.013	-515.252	1
5161_5162	5161	5162	68.497	-16.204	0.001	0	0.001	488.402	1
5162_5162	5162	5162	-63.466	-28.526	0.002	0.005	0.008	-464.392	1
5162_5163	5162	5163	65.48	-17.474	-0.003	-0.009	-0.047	463.847	1
5163_5163	5163	5163	-52.785	-36.674	0.001	-0.016	0.037	-435.708	1
5163_5164	5163	5164	54.968	-13.456	-0.002	0.014	-0.07	438.109	1
5164_5164	5164	5164	-41.548	-33.507	-0.002	-0.008	0.056	-380.526	1
5164_5165	5164	5165	44.758	-14.565	0.003	0.019	-0.038	401.409	1
5165_5165	5165	5165	-24.424	-39.97	-0.001	0.022	0.051	-350.524	1
5165_5166	5165	5166	23.372	-8.81	0.001	-0.016	-0.019	323.704	1
5166_5166	5166	5166	-3.793	-42.684	0.001	-0.005	0.035	-241.6	1
5166_5167	5166	5167	9.277	-6.672	-0.001	-0.01	-0.022	213.018	1
5167_5167	5167	5167	12.22	-50.219	-0.001	-0.008	0.034	-122.25	1
5167_5168	5167	5168	-1.96	-2.497	0	0.005	-0.026	68.843	1
5168_5168	5168	5168	-49.747	-5.47	-0.002	0.008	0.039	-168.819	1
5168_5169	5168	5169	32.915	-47.073	0	-0.004	-0.006	147.831	1
5169_5169	5169	5169	-58.723	-8.9	0.001	-0.02	0.017	-240.907	1
5169_5170	5169	5170	45.003	-41.653	-0.001	0.012	-0.008	227.606	1
5170_5170	5170	5170	-65.093	-12.513	-0.001	0.018	0.02	-293.472	1
5170_5171	5170	5171	53.746	-36.37	0	-0.013	-0.009	287.761	1
5171_5171	5171	5171	-69.043	-12.468	0.001	-0.024	0.015	-332.913	1
5171_5172	5171	5172	63.838	-36.205	0	0.031	-0.008	353.459	1
5172_5172	5172	5172	-73.723	-16.397	-0.001	0.017	0.017	-376.536	1
5172_5173	5172	5173	69.84	-30.785	0	-0.011	-0.003	391.139	1
5173_5173	5173	5173	-75.692	-20.903	0	0.015	0.011	-402.534	1
5173_5174	5173	5174	72.155	-25.756	0	-0.007	0	403.247	1
5174_5174	5174	5174	-75.022	-18.681	0	-0.03	0.008	-409.064	1
5174_5175	5174	5175	76.406	-29.871	-0.001	0.037	-0.001	426.23	1
5175_5175	5175	5175	-76.798	-22.018	-0.001	0.038	0.008	-426.333	1
5175_5176	5175	5176	78.364	-25.925	0	-0.036	0.002	433.537	1
5176_5176	5176	5176	-77.334	-25.738	0	-0.035	0.004	-433.909	1
5176_5177	5176	5177	78.262	-22.195	-0.001	0.037	-0.002	426.496	1
5177_5177	5177	5177	-75.827	-29.676	-0.001	0.039	0.005	-427.194	1
5177_5178	5177	5178	76.896	-18.846	0	-0.031	0.001	409.679	1
5178_5178	5178	5178	-72.023	-25.688	0	0.008	0.002	-404.764	1
5178_5179	5178	5179	78.077	-21.068	0	-0.016	0.003	403.634	1
5179_5179	5179	5179	-70.233	-30.696	0	0.012	-0.001	-392.922	1
5179_5180	5179	5180	76.611	-16.567	0	-0.018	0.006	378.21	1
5180_5180	5180	5180	-64.783	-36.096	0	-0.03	-0.004	-355.681	1
5180_5181	5180	5181	72.406	-12.635	-0.002	0.024	-0.004	335.1	1
5181_5181	5181	5181	-55.264	-36.39	0	0.015	-0.001	-290.557	1
5181_5182	5181	5182	68.86	-12.646	0.001	-0.019	-0.003	295.876	1
5182_5182	5182	5182	-46.978	-41.643	0.001	-0.011	0.001	-230.452	1
5182_5183	5182	5183	62.88	-9.044	-0.001	0.019	-0.013	243.62	1
5183_5183	5183	5183	-35.657	-46.977	0	0.005	0.011	-149.436	1
5183_5184	5183	5184	54.649	-5.611	0.001	-0.009	-0.005	170.391	1
5184_5184	5184	5184	-10.25	-2.515	0	-0.007	0.032	-108.929	1
5184_5185	5184	5185	-8.836	-51.717	0	0.005	0.007	113.029	1
5185_5185	5185	5185	-11.478	-6.138	0.001	0.012	-0.006	-204.257	1
5185_5186	5185	5186	8.944	-44.329	-0.001	0.004	0.003	244.28	1
5186_5186	5186	5186	-26.765	-8.302	0.001	-0.006	0.002	-319.41	1
5186_5187	5186	5187	32.044	-41.456	-0.002	0.008	-0.016	365.734	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5187_5187	5187	5187	-49.743	-13.913	0.001	0.01	0.015	-404.478	1
5187_5188	5187	5188	51.586	-34.963	-0.002	-0.005	-0.034	407.326	1
5188_5188	5188	5188	-62.123	-13.155	0	0.003	0.031	-450.401	1
5188_5189	5188	5189	64.205	-37.671	-0.001	-0.004	-0.042	467.967	1
5189_5189	5189	5189	-72.424	-17.218	0	0.002	0.033	-503.815	1
5189_5190	5189	5190	75.167	-29.752	-0.001	-0.002	-0.057	528.376	1
5190_5190	5190	5190	-77.746	-16.422	0.001	0.003	0.042	-541.365	1
5190_5191	5190	5191	84.751	-31.745	-0.001	-0.003	-0.071	584.376	1
5191_5191	5191	5191	-84.984	-22.152	0.001	0.003	0.059	-586.725	1
5191_5192	5191	5192	86.68	-25.457	-0.001	-0.003	-0.085	595.217	1
5192_5192	5192	5192	-86.584	-19.888	0	0.004	0.075	-596.694	1
5192_5193	5192	5193	91.436	-28.281	0	-0.004	-0.091	623.263	1
5193_5193	5193	5193	-90.916	-25.41	0	0.004	0.078	-622.068	1
5193_5194	5193	5194	90.012	-22.638	-0.001	-0.003	-0.097	614.922	1
5194_5194	5194	5194	-89.441	-22.64	0.001	0.004	0.083	-612.569	1
5194_5195	5194	5195	91.947	-25.516	-0.002	-0.003	-0.116	626.504	1
5195_5195	5195	5195	-91.178	-28.286	0.001	0.004	0.1	-622.186	1
5195_5196	5195	5196	88.288	-20.059	-0.002	-0.003	-0.135	604.372	1
5196_5196	5196	5196	-86.731	-25.627	0.001	0.003	0.12	-595.426	1
5196_5197	5196	5197	87.585	-22.402	-0.001	-0.002	-0.144	598.891	1
5197_5197	5197	5197	-85.05	-31.87	0.001	0.003	0.138	-585.444	1
5197_5198	5197	5198	81.344	-16.783	-0.001	-0.002	-0.15	558.764	1
5198_5198	5198	5198	-75.974	-30.045	0.001	0.002	0.153	-531.789	1
5198_5199	5198	5199	77.3	-17.652	-0.001	-0.001	-0.162	528.252	1
5199_5199	5199	5199	-65.516	-38.004	0.001	0	0.181	-471.946	1
5199_5200	5199	5200	67.169	-13.701	-0.001	0.001	-0.175	474.835	1
5200_5200	5200	5200	-53.819	-35.768	0	-0.003	0.194	-416.261	1
5200_5201	5200	5201	54.82	-14.132	0	0.005	-0.165	431.493	1
5201_5201	5201	5201	-33.091	-42.224	0.001	-0.003	0.299	-389.867	1
5201_5202	5201	5202	29.979	-8.701	0	0.003	-0.225	359.952	1
5202_5202	5202	5202	-11.438	-45.308	0.001	-0.005	0.294	-272.815	1
5202_5203	5202	5203	14.425	-6.51	-0.001	0.021	-0.213	242.179	1
5203_5203	5203	5203	5.696	-52.424	0.002	-0.011	0.295	-144.288	1
5203_5204	5203	5204	1.906	-2.582	-0.002	0.009	-0.194	93.182	1
5204_5204	5204	5204	-58.781	-6.731	-0.007	-0.014	0.457	-205.804	1
5204_5205	5204	5205	38.99	-47.929	0.004	0.007	-0.211	174.001	1
5205_5205	5205	5205	-66.737	-10	-0.008	0.02	0.311	-282.887	1
5205_5206	5205	5206	50.22	-42.913	0.005	-0.011	-0.114	259.718	1
5206_5206	5206	5206	-72.206	-13.362	-0.005	-0.023	0.23	-334.427	1
5206_5207	5206	5207	58.604	-37.981	0.003	0.018	-0.063	323.219	1
5207_5207	5207	5207	-75.578	-13.521	-0.004	-0.002	0.17	-374.078	1
5207_5208	5207	5208	68.07	-37.357	0.001	0	-0.031	390.859	1
5208_5208	5208	5208	-79.472	-17.224	-0.004	-0.002	0.122	-416.873	1
5208_5209	5208	5209	73.965	-32.226	0.001	0	-0.006	432.002	1
5209_5209	5209	5209	-81.022	-21.44	-0.003	-0.001	0.08	-443.401	1
5209_5210	5209	5210	76.586	-27.408	0	0	0.011	448.544	1
5210_5210	5210	5210	-80.376	-19.899	-0.002	-0.036	0.048	-452.389	1
5210_5211	5210	5211	80.453	-30.572	-0.001	0.041	0.016	471.571	1
5211_5211	5211	5211	-81.677	-23.096	-0.003	0.04	0.03	-469.066	1
5211_5212	5211	5212	82.277	-26.838	0	-0.041	0.021	479.528	1
5212_5212	5212	5212	-81.901	-26.63	-0.001	-0.04	0.008	-476.544	1
5212_5213	5212	5213	82.278	-23.294	-0.002	0.04	0.014	473.761	1
5213_5213	5213	5213	-80.32	-30.357	-0.002	0.041	-0.001	-470.373	1
5213_5214	5213	5214	81.18	-20.085	-0.001	-0.037	0.01	458.699	1
5214_5214	5214	5214	-76.708	-27.287	0.001	0.019	-0.01	-449.187	1
5214_5215	5214	5215	82.063	-21.615	-0.001	-0.029	0.006	451.735	1
5215_5215	5215	5215	-74.359	-32.09	0.003	-0.032	0.004	-434.644	1
5215_5216	5215	5216	80.726	-17.395	-0.003	0.028	-0.015	427.173	1
5216_5216	5216	5216	-68.753	-37.206	0.002	0.018	0.027	-395.612	1
5216_5217	5216	5217	77.001	-13.681	-0.001	-0.024	-0.032	386.131	1
5217_5217	5217	5217	-59.579	-37.945	-0.006	0.007	0.04	-330.168	1
5217_5218	5217	5218	73.701	-13.458	-0.001	-0.096	-0.045	347.693	1
5218_5218	5218	5218	-51.389	-42.857	-0.002	0.005	0.003	-268.26	1
5218_5219	5218	5219	68.28	-10.093	-0.005	-0.063	-0.086	297.225	1
5219_5219	5219	5219	-40.627	-47.791	0.009	-0.105	0.02	-182.546	1
5219_5220	5219	5220	60.536	-6.801	-0.019	0.095	-0.266	220.126	1
5220_5220	5220	5220	-3.549	-2.908	-0.001	0.032	0.08	-115.247	1
5220_5221	5220	5221	-2.505	-52.645	0.001	-0.068	-0.041	181.311	1
5221_5221	5221	5221	-16.883	-6.723	-0.004	-0.043	0.062	-263.985	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5221_5222	5221	5222	16.475	-45.776	0.003	-0.032	-0.023	315.828	1
5222_5222	5222	5222	-33.567	-8.957	0.007	0.088	-0.019	-383.424	1
5222_5223	5222	5223	40.662	-42.791	-0.002	-0.145	-0.102	440.816	1
5223_5223	5223	5223	-60.139	-14.18	0.001	-0.083	0.037	-456.201	1
5223_5224	5223	5224	63.945	-36.488	0.002	0.029	-0.075	469.562	1
5224_5224	5224	5224	-74.245	-13.953	0.004	0.104	0.056	-505.977	1
5224_5225	5224	5225	76.534	-38.669	-0.005	-0.135	-0.129	527.872	1
5225_5225	5225	5225	-79.04	-17.868	0.001	-0.088	0.094	-585.903	1
5225_5226	5225	5226	82.06	-30.217	-0.001	0.031	-0.172	622.392	1
5226_5226	5226	5226	-84.759	-18.247	0.002	0.132	0.143	-631.555	1
5226_5227	5226	5227	90.429	-31.657	-0.005	-0.192	-0.234	676.373	1
5227_5227	5227	5227	-90.892	-24.091	-0.001	-0.163	0.19	-675.155	1
5227_5228	5227	5228	91.156	-25.331	-0.001	0.105	-0.256	681.194	1
5228_5228	5228	5228	-91.305	-22.49	0.004	0.139	0.204	-680.022	1
5228_5229	5228	5229	94.259	-27.051	-0.008	-0.2	-0.359	700.696	1
5229_5229	5229	5229	-93.877	-28.67	0.001	-0.166	0.288	-697.705	1
5229_5230	5229	5230	90.107	-20.931	-0.004	0.11	-0.421	672.907	1
5230_5230	5230	5230	-89.068	-27.297	0.008	0.095	0.34	-667.618	1
5230_5231	5230	5231	88.512	-22.077	-0.007	-0.151	-0.516	659.614	1
5231_5231	5231	5231	-86.112	-33.884	0.004	-0.12	0.467	-649.022	1
5231_5232	5231	5232	80.688	-16.262	-0.004	0.073	-0.561	604.105	1
5232_5232	5232	5232	-75.132	-33.786	-0.002	0.063	0.548	-578.643	1
5232_5233	5232	5233	76.847	-17.993	0.006	-0.119	-0.488	573.779	1
5233_5233	5233	5233	-67.693	-38.868	-0.007	-0.008	0.822	-535.114	1
5233_5234	5233	5234	70.229	-14.735	0.011	-0.014	-0.673	538.757	1
5234_5234	5234	5234	-58.19	-42.806	-0.013	-0.106	0.754	-485.445	1
5234_5235	5234	5235	59.413	-11.467	0.014	0.082	-0.555	486.346	1
5235_5235	5235	5235	-44.32	-43.216	0.085	0.044	0.628	-417.797	1
5235_5236	5235	5236	52.283	-12.237	-0.087	-0.097	-1.018	455.319	1
5236_5236	5236	5236	-26.224	-46.185	0.131	-0.068	1.68	-415.18	1
5236_5237	5236	5237	31.815	-9.348	-0.125	0.024	-2.639	434.051	1
5237_5237	5237	5237	-12.299	-50.749	0.129	-0.234	2.801	-323.799	1
5237_5238	5237	5238	23.093	-7.189	-0.114	0.203	-3.309	368.664	1
5238_5238	5238	5238	-2.001	-40.913	-0.149	0.057	3.687	-236	1
5238_5239	5238	5239	15.821	-12.135	0.147	-0.166	-1.64	311.075	1
5239_5239	5239	5239	7.348	-45.449	-0.158	-0.074	2.134	-170.518	1
5239_5240	5239	5240	7.155	-8.089	0.14	-0.006	0.039	216.332	1
5240_5240	5240	5240	-71.898	-11.497	0.094	-0.001	-0.751	-327.548	1
5240_5241	5240	5241	56.163	-38.973	-0.088	-0.061	-0.201	301.556	1
5241_5241	5241	5241	-78.218	-17.371	0.107	-0.23	0.324	-398.062	1
5241_5242	5241	5242	59.476	-35.448	-0.084	0.124	-0.637	330.936	1
5242_5242	5242	5242	-79.041	-20.593	0.111	-0.268	0.931	-416.395	1
5242_5243	5242	5243	61.167	-31.799	-0.078	0.115	-1.047	350.842	1
5243_5243	5243	5243	-77.799	-13.012	-0.074	0.096	1.607	-421.208	1
5243_5244	5243	5244	73.06	-39.679	0.043	-0.162	-0.385	450.738	1
5244_5244	5244	5244	-82.865	-17.174	-0.059	-0.138	0.826	-482.414	1
5244_5245	5244	5245	80.745	-33.669	0.026	0.061	0.039	511.852	1
5245_5245	5245	5245	-85.137	-19.187	-0.023	0.12	0.214	-519.516	1
5245_5246	5245	5246	87.033	-31.051	0.008	-0.196	0.225	556.776	1
5246_5246	5246	5246	-87.71	-24.381	-0.01	-0.158	-0.037	-554.6	1
5246_5247	5246	5247	88.718	-25.635	-0.003	0.089	0.271	560.895	1
5247_5247	5247	5247	-87.015	-25.704	-0.018	0.11	-0.142	-557.825	1
5247_5248	5247	5248	90.311	-24.52	0.016	-0.189	0.479	559.917	1
5248_5248	5248	5248	-86.207	-31.008	-0.01	-0.143	-0.328	-555.238	1
5248_5249	5248	5249	88.905	-19.3	0.004	0.071	0.578	528.303	1
5249_5249	5249	5249	-80.711	-33.805	-0.012	0.054	-0.46	-510.826	1
5249_5250	5249	5250	87.375	-17.252	0.012	-0.128	0.73	492.052	1
5250_5250	5250	5250	-73.615	-39.957	-0.006	-0.111	-0.629	-448.475	1
5250_5251	5250	5251	83.568	-13.344	-0.003	0.062	0.688	438.428	1
5251_5251	5251	5251	-63.036	-32.359	0.099	0.074	-0.731	-353.883	1
5251_5252	5251	5252	85.315	-21.478	-0.107	-0.155	0.003	437.136	1
5252_5252	5252	5252	-62.024	-35.66	0.111	0.024	-0.11	-336.351	1
5252_5253	5252	5253	85.232	-18.176	-0.108	-0.042	-0.679	422.629	1
5253_5253	5253	5253	-60.012	-39.149	0.12	-0.091	0.623	-304.604	1
5253_5254	5253	5254	82.659	-13.679	-0.103	0.121	-1.552	376.809	1
5254_5254	5254	5254	-11.836	-17.607	0.171	0.133	1.502	-250.785	1
5254_5255	5254	5255	-8.414	-42.093	-0.097	-0.573	-1.068	113.798	1
5255_5255	5255	5255	-11.852	-8.692	-0.157	0.08	1.932	-261.585	1
5255_5256	5255	5256	1.136	-45.174	0.116	-0.047	0.807	228.748	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5256_5256	5256	5256	-22.806	-13.596	-0.159	-0.158	-0.216	-366.227	1
5256_5257	5256	5257	9.193	-40.527	0.109	0.028	1.892	280.994	1
5257_5257	5257	5257	-30.068	-7.8	0.061	0.167	-1.776	-411.201	1
5257_5258	5257	5258	19.938	-50.959	-0.057	-0.217	1.502	365.445	1
5258_5258	5258	5258	-39.274	-9.845	0.058	0.051	-1.426	-471.61	1
5258_5259	5258	5259	32.857	-47.094	-0.051	-0.114	1.078	445.01	1
5259_5259	5259	5259	-59.65	-12.238	0.033	-0.087	-0.659	-481.836	1
5259_5260	5259	5260	55.521	-42.956	-0.029	0.026	0.411	461.751	1
5260_5260	5260	5260	-70.361	-12.297	0.023	0.136	-0.426	-524.597	1
5260_5261	5260	5261	66.14	-43.635	-0.029	-0.167	0.216	511.743	1
5261_5261	5261	5261	-78.771	-14.766	0.021	-0.003	-0.294	-563.924	1
5261_5262	5261	5262	75.635	-40.076	-0.023	-0.026	0.031	561.905	1
5262_5262	5262	5262	-88.321	-17.62	0.016	-0.05	-0.11	-561.606	1
5262_5263	5262	5263	88.246	-33.461	-0.014	0.003	-0.189	582.619	1
5263_5263	5263	5263	-94.083	-17.637	0.005	0.078	0.129	-601.172	1
5263_5264	5263	5264	97.637	-33.759	-0.01	-0.116	-0.306	638.755	1
5264_5264	5264	5264	-100.735	-22.883	0.004	-0.067	0.219	-644.304	1
5264_5265	5264	5265	100.02	-27.769	-0.008	0.029	-0.414	655.032	1
5265_5265	5265	5265	-102.346	-22.085	0.009	0.107	0.312	-657.856	1
5265_5266	5265	5266	104	-28.773	-0.014	-0.153	-0.582	679.823	1
5266_5266	5266	5266	-105.461	-27.823	0.006	-0.107	0.474	-679.216	1
5266_5267	5266	5267	101.079	-23.116	-0.009	0.063	-0.697	664.827	1
5267_5267	5267	5267	-101.866	-26.721	0.01	0.117	0.604	-662.156	1
5267_5268	5267	5268	100.429	-24.164	-0.01	-0.169	-0.808	661.316	1
5268_5268	5268	5268	-99.931	-32.59	0.005	-0.132	0.765	-654.138	1
5268_5269	5268	5269	94.188	-18.811	-0.004	0.086	-0.839	624.321	1
5269_5269	5269	5269	-91.013	-32.146	0.015	0.095	0.847	-606.254	1
5269_5270	5269	5270	91.378	-20.562	-0.009	-0.147	-0.898	605.66	1
5270_5270	5270	5270	-85.478	-36.701	0.011	-0.029	0.986	-576.399	1
5270_5271	5270	5271	85.398	-16.587	-0.005	0	-0.91	567.828	1
5271_5271	5271	5271	-70.215	-41.629	0.01	-0.18	1.435	-573.042	1
5271_5272	5271	5272	72.621	-14.041	-0.003	0.137	-1.197	580.338	1
5272_5272	5272	5272	-60.58	-40.812	0.061	0.07	1.466	-522.058	1
5272_5273	5272	5273	64.444	-14.473	-0.061	-0.134	-1.566	544.342	1
5273_5273	5273	5273	-48.983	-44.431	0.061	-0.035	1.858	-470.347	1
5273_5274	5273	5274	54.709	-11.941	-0.056	0.001	-1.859	502.687	1
5274_5274	5274	5274	-28.958	-47.826	0.092	-0.299	3.506	-456.729	1
5274_5275	5274	5275	30.276	-8.641	-0.073	0.228	-3.498	454.722	1
5275_5275	5275	5275	-9.491	-40.184	-0.228	-0.072	4.446	-326.227	1
5275_5276	5275	5276	22.358	-14.208	0.274	-0.103	-0.439	409.043	1
5276_5276	5276	5276	-0.213	-45.01	-0.254	-0.208	1.833	-273.503	1
5276_5277	5276	5277	13.966	-10.58	0.271	0.088	2.475	337.593	1
5277_5277	5277	5277	8.098	-41.464	0.08	-0.087	-1.05	-193.528	1
5277_5278	5277	5278	10.527	-15.195	-0.217	0.34	0.96	297.441	1
5278_5278	5278	5278	-84.074	-16.798	0.062	0.109	-0.208	-427.122	1
5278_5279	5278	5279	60.309	-35.925	-0.113	-0.216	-0.157	324.605	1
5279_5279	5279	5279	-84.732	-21.448	0.082	-0.077	0.331	-441.072	1
5279_5280	5279	5280	62.056	-32.438	-0.108	-0.059	-0.794	337.589	1
5280_5280	5280	5280	-83.095	-15.472	-0.053	0.088	0.912	-439.966	1
5280_5281	5280	5281	70.633	-34.757	0.04	-0.111	-0.167	409.126	1
5281_5281	5281	5281	-85.462	-20.938	-0.045	-0.081	0.311	-479.179	1
5281_5282	5281	5282	73.68	-27.385	0.026	0.026	0.268	431.413	1
5282_5282	5282	5282	-72.034	-20.483	-0.029	0.136	-0.738	-518.657	1
5282_5283	5282	5283	69.275	-27.964	-0.037	-0.216	0.432	-508.559	1
5283_5283	5283	5283	-71.179	-27.392	0.008	-0.231	-0.923	-533.247	1
5283_5284	5283	5284	69.956	-21.606	-0.079	0.125	-0.613	490.705	1
5284_5284	5284	5284	-66.159	-23.976	0.056	0.091	-0.491	-490.992	1
5284_5285	5284	5285	74.799	-24.07	-0.019	-0.179	-1.121	507.051	1
5285_5285	5285	5285	-65.818	-30.682	0.067	-0.16	0.424	-486.667	1
5285_5286	5285	5286	76.051	-18.61	-0.028	0.091	-1.465	482.008	1
5286_5286	5286	5286	-61.853	-28.437	-0.144	0.116	1.299	-435.48	1
5286_5287	5286	5287	81.127	-20.804	0.108	-0.291	-0.038	487.992	1
5287_5287	5287	5287	-60.79	-35.321	-0.127	-0.155	-0.279	-403.228	1
5287_5288	5287	5288	81.443	-15.112	0.03	0.085	0.161	446.088	1
5288_5288	5288	5288	-55.912	-32.475	0.353	0.418	-1.619	-320.204	1
5288_5289	5288	5289	83.72	-24.379	-0.285	-0.435	-1.196	455.138	1
5289_5289	5289	5289	-56.6	-34.579	0.382	0.368	-0.101	-316.597	1
5289_5290	5289	5290	87.651	-19.817	-0.265	-0.261	-4.088	468.164	1
5290_5290	5290	5290	-12.321	-12.258	0.847	-0.701	0.641	-307.677	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5290_5291	5290	5291	9.841	-44.404	-0.523	0.351	-6.205	337.115	1
5291_5291	5291	5291	-19.075	-10.069	-0.646	0.248	9.084	-400.09	1
5291_5292	5291	5292	22.366	-45.512	0.479	-0.227	0.088	476.025	1
5292_5292	5292	5292	-29.489	-14.656	-0.637	-0.331	1.678	-513.371	1
5292_5293	5292	5293	33.251	-40.444	0.441	0.209	4.614	564.968	1
5293_5293	5293	5293	-37.765	-10.637	0.12	0.346	-4.676	-586.645	1
5293_5294	5293	5294	43.434	-46.704	-0.089	-0.504	3.888	666.439	1
5294_5294	5294	5294	-54.137	-13.603	0.076	0.019	-2.621	-621.843	1
5294_5295	5294	5295	61.205	-42.208	-0.055	-0.074	2.122	696.575	1
5295_5295	5295	5295	-61.792	-17.249	0.072	-0.238	-2.106	-691.335	1
5295_5296	5295	5296	68.14	-37.884	-0.05	0.157	1.627	765.915	1
5296_5296	5296	5296	-66.945	-14.588	0.046	0.234	-1.573	-747.732	1
5296_5297	5296	5297	72.447	-43.26	-0.05	-0.306	1.394	812.102	1
5297_5297	5297	5297	-60.363	-16.518	0.072	0.176	-2.161	-847.569	1
5297_5298	5297	5298	68.597	-38.612	-0.071	-0.27	1.389	964.215	1
5298_5298	5298	5298	-66.129	-20.889	0.076	-0.408	-1.517	-926.524	1
5298_5299	5298	5299	72.579	-33.914	-0.062	0.314	0.771	1017.886	1
5299_5299	5299	5299	-69.747	-17.685	0.001	0.515	-0.802	-976.394	1
5299_5300	5299	5300	79.489	-36.427	-0.003	-0.702	0.743	1110.607	1
5300_5300	5300	5300	-76.675	-23.165	-0.005	-0.549	-0.776	-1070.194	1
5300_5301	5300	5301	82.161	-30.203	0.001	0.421	0.735	1146.874	1
5301_5301	5301	5301	-80.203	-20.649	0.022	0.538	-0.816	-1118.353	1
5301_5302	5301	5302	86.582	-33.043	-0.02	-0.707	0.458	1206.242	1
5302_5302	5302	5302	-85.63	-26.682	0.017	-0.653	-0.519	-1191.535	1
5302_5303	5302	5303	86.322	-27.325	-0.014	0.507	0.279	1202.978	1
5303_5303	5303	5303	-86.444	-23.254	0.009	0.62	-0.307	-1203.16	1
5303_5304	5303	5304	88.045	-30.161	-0.004	-0.777	0.224	1225.56	1
5304_5304	5304	5304	-89.475	-29.552	0.002	-0.8	-0.195	-1244.246	1
5304_5305	5304	5305	85.198	-24.674	0.003	0.613	0.26	1186.663	1
5305_5305	5305	5305	-87.906	-25.614	0.024	0.526	-0.192	-1223.867	1
5305_5306	5305	5306	84.078	-27.848	-0.019	-0.614	0.046	1169.544	1
5306_5306	5306	5306	-88.532	-31.505	0.019	-0.53	0.061	-1232.43	1
5306_5307	5306	5307	77.804	-21.623	-0.013	0.368	-0.094	1082.276	1
5307_5307	5307	5307	-84.397	-28.246	0.011	0.597	0.238	-1177.168	1
5307_5308	5307	5308	71.978	-23.4	-0.005	-0.624	-0.118	998.85	1
5308_5308	5308	5308	-82.023	-34.311	0.005	-0.603	0.301	-1144.574	1
5308_5309	5308	5309	59.167	-16.124	0	0.353	-0.073	819.343	1
5309_5309	5309	5309	-74.171	-32.449	0.002	0.45	0.283	-1037.932	1
5309_5310	5309	5310	44.815	-14.281	0.012	-0.354	0.116	617.691	1
5310_5310	5310	5310	-66.123	-39.498	-0.014	-0.461	0.081	-927.114	1
5310_5311	5310	5311	30.517	-8.148	0.011	0.174	0.251	419.769	1
5311_5311	5311	5311	-50.688	-42.542	0.016	0.189	-0.319	-715.868	1
5311_5312	5311	5312	17.175	-5.13	-0.006	-0.148	0.061	235.839	1
5312_5312	5312	5312	-27.803	-52.191	0.014	-0.307	-0.155	-402.12	1
5312_5313	5312	5313	1.68	-2.233	-0.149	-0.037	0	6.354	1
5400_5020	5400	5020	28.528	-16.623	0.133	0.001	-2.236	-400.672	1
5400_5401	5400	5401	-17.845	-1.087	-0.152	-0.003	-1.365	-91.098	1
5401_5401	5401	5401	24.93	-13.253	0.137	0.406	-1.443	-341.179	1
5401_5402	5401	5402	-16.231	-1.177	0.059	0.098	-1.052	-83.91	1
5402_5402	5402	5402	25.241	-12.651	0.096	-0.131	-1.119	-294.947	1
5402_5403	5402	5403	-22.749	-1.635	0.104	-0.041	-0.123	-77.09	1
5403_5403	5403	5403	19.865	-9.472	0.016	0.034	-0.152	-159.947	1
5403_5404	5403	5404	-29.198	-2.445	-0.006	0.018	-0.209	-64.595	1
5404_5404	5404	5404	20.076	-9.016	0.002	-0.037	-0.065	-91.692	1
5404_5405	5404	5405	-32.929	-3.168	0.019	-0.029	-0.106	-44.979	1
5405_5405	5405	5405	17.513	-7.108	0.013	-0.001	-0.056	-24.49	1
5405_5406	5405	5406	-39.896	-4.47	0.009	-0.005	0.007	15.885	1
5406_5406	5406	5406	16.35	-6.133	-0.009	-0.073	0.157	80.772	1
5406_5407	5406	5407	-44.748	-6.035	-0.034	-0.044	-0.303	66.291	1
5407_5407	5407	5407	16.284	-5.79	-0.029	0.121	0.166	135.707	1
5407_5408	5407	5408	-44.611	-6.974	0.035	0.059	-0.066	105.029	1
5408_5408	5408	5408	19.105	-9.219	0.033	0.019	0.117	147.358	1
5408_5409	5408	5409	-4.105	-0.141	0.04	-0.003	-0.023	17.101	1
5409_5409	5409	5409	-9.999	-0.133	0.044	-0.007	0.081	36.165	1
5409_5410	5409	5410	-17.694	-9.092	0.069	-0.013	0.412	-149.596	1
5410_5410	5410	5410	49.744	-7.279	0.014	-0.043	-0.448	-105.192	1
5410_5411	5410	5411	-16.119	-5.731	-0.016	-0.085	0.333	-135.143	1
5411_5411	5411	5411	48.367	-6.242	0.066	0.032	-0.384	-66.186	1
5411_5412	5411	5412	-16.041	-6.068	-0.03	0.046	0.011	-81.183	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5412_5412	5412	5412	49.937	-4.682	-0.012	0.005	0.238	-12.244	1
5412_5413	5412	5413	-16.393	-6.988	-0.013	-0.001	-0.139	21.298	1
5413_5413	5413	5413	52.133	-3.26	-0.028	0.036	0.065	54.089	1
5413_5414	5413	5414	-18.27	-8.789	0.015	0.035	-0.069	88.161	1
5414_5414	5414	5414	48.043	-2.128	0.015	-0.024	-0.101	74.165	1
5414_5415	5414	5415	-20.302	-9.236	0.002	-0.038	-0.028	155.723	1
5415_5415	5415	5415	45.524	-0.936	-0.088	-0.075	0.034	81.384	1
5415_5416	5415	5416	-25.272	-12.352	0.122	-0.225	1.228	286.985	1
5416_5416	5416	5416	2.869	-0.221	-0.04	0.043	-0.307	13.998	1
5416_5417	5416	5417	-25.724	-12.975	0.198	0.708	1.675	331.103	1
5417_5417	5417	5417	3.023	-0.197	-0.097	-0.002	-0.452	15.008	1
5417_5036	5417	5036	-29.732	-16.263	0.107	0.009	2.394	386.919	1
5420_5056	5420	5056	29.584	-15.384	0.107	0.002	-1.493	-349.096	1
5420_5421	5420	5421	-14.133	-0.483	-0.105	-0.002	-0.941	-59.037	1
5421_5421	5421	5421	25.792	-11.96	0.076	0.101	-0.88	-294.666	1
5421_5422	5421	5422	-12.733	-0.567	0.056	0.01	-0.651	-54.204	1
5422_5422	5422	5422	26.071	-11.338	0.063	-0.033	-0.655	-252.964	1
5422_5423	5422	5423	-19.295	-0.941	0.076	-0.008	0.044	-55.534	1
5423_5423	5423	5423	20.328	-8.227	0.01	0.029	-0.025	-133.445	1
5423_5424	5423	5424	-25.971	-1.621	-0.018	0.015	-0.091	-50.062	1
5424_5424	5424	5424	18.469	-7.751	-0.003	-0.031	0.018	-73.577	1
5424_5425	5424	5425	-49.251	-2.536	0.03	-0.02	-0.047	-47.848	1
5425_5425	5425	5425	16.836	-6.002	0.008	-0.001	-0.019	-15.372	1
5425_5426	5425	5426	-46.897	-3.822	0.011	0.003	0.104	6.183	1
5426_5426	5426	5426	16.56	-5.086	0.005	-0.094	0.092	72.319	1
5426_5427	5426	5427	-45.155	-5.27	-0.063	-0.04	-0.436	51.581	1
5427_5427	5427	5427	16.661	-4.746	-0.027	0.161	0.252	117.341	1
5427_5428	5427	5428	-46.485	-6.216	0.046	0.08	-0.13	84.853	1
5428_5428	5428	5428	17.951	-8.237	0.016	-0.005	0	130.805	1
5428_5429	5428	5429	10.293	-0.373	0.053	0.06	0.603	-30.799	1
5429_5429	5429	5429	-9.09	-0.295	0.052	0.002	-0.059	27.693	1
5429_5430	5429	5430	-17.911	-8.238	0.044	-0.037	0.392	-130.5	1
5430_5430	5430	5430	45.535	-5.914	0.067	0.006	-0.731	-78.663	1
5430_5431	5430	5431	-16.694	-4.716	-0.016	0.018	0.049	-117.374	1
5431_5431	5431	5431	41.287	-5.018	-0.056	-0.013	0.498	-52.23	1
5431_5432	5431	5432	-16.588	-5.075	-0.012	-0.011	-0.047	-72.405	1
5432_5432	5432	5432	35.212	-3.571	0.006	-0.005	-0.004	-11.522	1
5432_5433	5432	5433	-16.908	-5.97	0	-0.001	-0.014	14.844	1
5433_5433	5433	5433	30.299	-2.399	-0.002	-0.013	0.055	37.685	1
5433_5434	5433	5434	-18.566	-7.701	-0.008	-0.013	-0.087	72.802	1
5434_5434	5434	5434	26.368	-1.751	-0.011	0.005	0.032	51.663	1
5434_5435	5434	5435	-20.408	-8.16	-0.002	0.014	-0.118	132.149	1
5435_5435	5435	5435	18.365	-1.034	0.04	0.02	-0.058	57.11	1
5435_5436	5435	5436	-26.142	-11.286	0.036	0.08	0.236	251.391	1
5436_5436	5436	5436	12.404	-0.669	0.053	-0.067	0.367	57.621	1
5436_5437	5436	5437	-25.87	-11.897	0.006	-0.258	0.348	292.85	1
5437_5437	5437	5437	13.678	-0.58	-0.118	0	0.525	62.672	1
5437_5072	5437	5072	-29.59	-15.371	0.18	0.018	0.849	347.408	1
5440_5094	5440	5094	28.924	-15.077	0.049	0.004	-0.755	-336.06	1
5440_5441	5440	5441	-13.119	-0.556	-0.072	0	-0.599	-58.368	1
5441_5441	5441	5441	25.285	-11.563	0.056	0.194	-0.508	-282.353	1
5441_5442	5441	5442	-11.39	-0.622	0.031	0.034	-0.423	-52.707	1
5442_5442	5442	5442	25.555	-10.953	0.032	-0.066	-0.385	-241.999	1
5442_5443	5442	5443	-18.488	-0.979	0.058	-0.018	0.059	-54.653	1
5443_5443	5443	5443	19.857	-7.83	0.015	0.042	-0.028	-126.343	1
5443_5444	5443	5444	-24.618	-1.652	-0.023	0.025	-0.087	-48.501	1
5444_5444	5444	5444	18.051	-7.381	-0.005	-0.043	0.041	-69.463	1
5444_5445	5444	5445	-44.206	-2.346	0.032	-0.03	-0.015	-43.93	1
5445_5445	5445	5445	16.515	-5.688	-0.003	0	-0.001	-14.026	1
5445_5446	5445	5446	-43.008	-3.6	0.002	0.004	-0.016	6.607	1
5446_5446	5446	5446	16.228	-4.82	0.061	-0.019	-0.028	69.069	1
5446_5447	5446	5447	-42.877	-4.973	-0.001	-0.005	-0.022	48.775	1
5447_5447	5447	5447	16.283	-4.485	0.053	0.032	0.54	111.895	1
5447_5448	5447	5448	-44.273	-5.867	0.024	0.021	0.113	79.911	1
5448_5448	5448	5448	17.635	-7.934	-0.004	0.131	0.861	124.289	1
5448_5449	5448	5449	9.606	-0.307	-0.009	0.021	-0.003	-29.474	1
5449_5449	5449	5449	-7.205	-0.219	-0.002	-0.025	0.263	22.702	1
5449_5450	5449	5450	-17.3	-7.894	-0.006	0.107	-0.715	-124.356	1
5450_5450	5450	5450	43.499	-5.786	0.044	-0.008	-0.591	-78.403	1

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5450_5451	5450	5451	-16.209	-4.488	0.056	-0.024	-0.413	-111.787	1
5451_5451	5451	5451	41.991	-4.88	0.056	0.011	-0.363	-47.893	1
5451_5452	5451	5452	-16.274	-4.832	0.052	0.013	0.04	-68.35	1
5452_5452	5452	5452	42.88	-3.549	-0.01	0.004	0.144	-6.141	1
5452_5453	5452	5453	-16.314	-5.69	-0.007	-0.001	-0.035	14.166	1
5453_5453	5453	5453	43.023	-2.336	0.013	-0.001	-0.007	43.012	1
5453_5454	5453	5454	-17.703	-7.364	0.001	-0.008	-0.034	69.569	1
5454_5454	5454	5454	25.429	-1.66	-0.005	0	0.028	49.994	1
5454_5455	5454	5455	-19.413	-7.808	0.004	0.006	-0.013	126.415	1
5455_5455	5455	5455	19.21	-0.972	0.049	-0.016	-0.046	56.106	1
5455_5456	5455	5456	-24.953	-10.895	0.031	-0.054	0.242	241.38	1
5456_5456	5456	5456	12.911	-0.588	0.029	0.03	0.402	55.544	1
5456_5457	5456	5457	-24.682	-11.496	0.051	0.171	0.358	281.494	1
5457_5457	5457	5457	14.662	-0.503	-0.043	-0.001	0.574	61.111	1
5457_5110	5457	5110	-28.248	-15.033	0.041	0.001	0.661	335.044	1
5460_5132	5460	5132	32.513	-17.008	-0.491	-0.011	1.942	-374.153	1
5460_5461	5460	5461	-11.116	-1.572	0.128	0.003	-0.386	-70.333	1
5461_5461	5461	5461	32.635	-13.136	-0.039	-0.184	-0.021	-304.362	1
5461_5462	5461	5462	-9.336	-1.613	0.04	-0.049	-0.217	-62.04	1
5462_5462	5462	5462	28.467	-12.412	-0.013	0.059	-0.068	-266.715	1
5462_5463	5462	5463	-12.671	-1.871	0.034	0.014	0.153	-46.342	1
5463_5463	5463	5463	23.127	-8.82	-0.036	-0.101	0.143	-135.705	1
5463_5464	5463	5464	-16.776	-2.296	0.002	-0.043	0.287	-32.879	1
5464_5464	5464	5464	22.676	-8.288	0.02	0.106	-0.042	-72.506	1
5464_5465	5464	5465	-20.3	-2.723	-0.056	0.047	-0.043	-15.893	1
5465_5465	5465	5465	18.189	-6.267	-0.009	-0.001	0.081	-12.591	1
5465_5466	5465	5466	-51.187	-3.665	0.003	0.003	-0.028	-10.615	1
5466_5466	5466	5466	17.3	-5.249	-0.03	0.082	-0.013	78.069	1
5466_5467	5466	5467	-52.603	-5.382	0.005	0.026	0.013	34.15	1
5467_5467	5467	5467	16.796	-4.902	-0.003	-0.142	-0.385	124.709	1
5467_5468	5467	5468	-54.391	-6.473	-0.099	-0.035	-0.551	67.973	1
5468_5468	5468	5468	42.303	-9.621	0.031	-0.011	0.022	77.987	1
5468_5469	5468	5469	-7.536	-1.199	0.016	-0.007	-0.08	66.875	1
5469_5469	5469	5469	-13.556	-1.26	0	0.007	-0.015	11.467	1
5469_5470	5469	5470	-38.416	-9.345	0.025	-0.024	0.249	-83.314	1
5470_5470	5470	5470	34.633	-6.129	0.019	0.034	-0.104	-108.939	1
5470_5471	5470	5471	-15.802	-5.046	-0.025	0.059	0.017	-122.227	1
5471_5471	5471	5471	33.896	-5.411	-0.009	-0.022	0.027	-76.022	1
5471_5472	5471	5472	-16.013	-5.38	-0.015	-0.033	-0.076	-74.422	1
5472_5472	5472	5472	31.292	-4.163	0.01	-0.002	-0.071	-29.846	1
5472_5473	5472	5473	-17.387	-6.354	0.005	0	0.005	17.942	1
5473_5473	5473	5473	27.928	-3.117	-0.008	-0.004	0.046	28.51	1
5473_5474	5473	5474	-19.897	-8.206	0.002	-0.003	0.019	77.141	1
5474_5474	5474	5474	24.677	-2.501	-0.009	0	-0.01	48.603	1
5474_5475	5474	5475	-20.28	-8.673	0.003	0.002	0.04	139.35	1
5475_5475	5475	5475	21.228	-1.809	0.039	0.007	-0.058	63.767	1
5475_5476	5475	5476	-25.494	-11.927	-0.004	0.021	0.056	265.765	1
5476_5476	5476	5476	16.643	-1.36	0.042	-0.033	0.339	76.41	1
5476_5477	5476	5477	-29.428	-12.585	-0.013	-0.085	0.046	302.105	1
5477_5477	5477	5477	17.506	-1.31	0.061	0.003	0.475	82.63	1
5477_5148	5477	5148	-29.287	-16.141	-0.006	0.001	-0.11	368.2	1
5480_5168	5480	5168	32.098	-16.629	0.083	0.014	0.269	-381.847	1
5480_5481	5480	5481	-13.535	-1.114	0.04	0.005	-0.269	-67.539	1
5481_5481	5481	5481	32.221	-13.13	-0.074	-0.497	0.32	-313.765	1
5481_5482	5481	5482	-12.273	-1.181	0.048	-0.119	-0.156	-61.263	1
5482_5482	5482	5482	28.022	-12.413	-0.007	0.165	0.275	-276.215	1
5482_5483	5482	5483	-16.955	-1.536	0.014	0.04	0.062	-51.496	1
5483_5483	5483	5483	22.436	-9.12	-0.021	-0.057	0.146	-144.991	1
5483_5484	5483	5484	-22.202	-2.137	0.012	-0.03	0.111	-39.958	1
5484_5484	5484	5484	22.004	-8.606	0.007	0.059	0.034	-79.604	1
5484_5485	5484	5485	-24.895	-2.681	-0.023	0.027	-0.026	-22.421	1
5485_5485	5485	5485	19.079	-6.682	-0.007	0	0.068	-17.603	1
5485_5486	5485	5486	-28.511	-3.675	0.007	-0.002	0.049	28.98	1
5486_5486	5486	5486	17.008	-5.653	-0.019	0.031	-0.047	79.85	1
5486_5487	5486	5487	-31.928	-4.941	-0.022	0.014	-0.165	70.911	1
5487_5487	5487	5487	17.121	-5.302	-0.009	-0.059	-0.262	129.907	1
5487_5488	5487	5488	-55.254	-6.033	-0.038	-0.01	-0.142	54.688	1
5488_5488	5488	5488	41.709	-9.895	-0.002	-0.021	-0.098	85.458	1
5488_5489	5488	5489	15.376	-1.3	-0.003	0.007	0.089	-15.63	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5489_5489	5489	5489	8.93	-1.137	0	-0.001	-0.048	-71.177	1
5489_5490	5489	5490	-43.337	-10.219	0.037	0	0.071	-88.077	1
5490_5490	5490	5490	56.197	-5.944	0.021	0.014	0.075	-53.177	1
5490_5491	5490	5491	-17.853	-5.295	-0.016	0.062	-0.091	-131.477	1
5491_5491	5491	5491	29.595	-4.965	0.007	-0.02	-0.059	-76.574	1
5491_5492	5491	5492	-17.74	-5.66	-0.005	-0.033	-0.089	-81.356	1
5492_5492	5492	5492	26.168	-3.822	-0.001	-0.001	0.003	-34.861	1
5492_5493	5492	5493	-20.02	-6.745	0.01	0	0.075	16.7	1
5493_5493	5493	5493	22.567	-2.933	0.016	-0.029	-0.007	18.311	1
5493_5494	5493	5494	-23.16	-8.743	-0.005	-0.059	0.054	79.543	1
5494_5494	5494	5494	19.899	-2.444	-0.016	0.025	0.082	37.397	1
5494_5495	5494	5495	-23.617	-9.288	0.025	0.057	0.19	146.133	1
5495_5495	5495	5495	14.754	-1.913	0.027	-0.042	-0.005	50.754	1
5495_5496	5495	5496	-29.405	-12.638	0.001	-0.165	0.26	279.996	1
5496_5496	5496	5496	11.346	-1.607	-0.005	0.118	0.212	66.488	1
5496_5497	5496	5497	-33.734	-13.403	0.074	0.503	0.325	318.744	1
5497_5497	5497	5497	11.805	-1.549	0.03	-0.003	0.276	72.814	1
5497_5184	5497	5184	-33.595	-16.841	-0.029	-0.015	0.517	387.72	1
5500_5204	5500	5204	33.754	-16.991	0.192	0.009	-1.558	-409.783	1
5500_5501	5500	5501	-8.984	-0.319	0.061	0.003	-0.919	-40.641	1
5501_5501	5501	5501	30.617	-13.792	0.066	0.092	-0.511	-348.053	1
5501_5502	5501	5502	-8.867	-0.389	0.066	-0.005	-0.651	-38.982	1
5502_5502	5502	5502	30.13	-13.063	0.054	-0.022	-0.297	-301.215	1
5502_5503	5502	5503	-13.964	-0.672	0.084	-0.006	0.128	-42.563	1
5503_5503	5503	5503	24.491	-9.891	-0.025	-0.068	0.202	-162.501	1
5503_5504	5503	5504	-47.493	-1.688	0.045	-0.038	0.152	-69.471	1
5504_5504	5504	5504	22.28	-9.349	0.005	0.065	0.071	-90.377	1
5504_5505	5504	5505	-54.342	-2.869	-0.03	0.065	-0.001	-55.041	1
5505_5505	5505	5505	20.014	-7.402	-0.01	-0.002	0.075	-19.697	1
5505_5506	5505	5506	-53.644	-4.345	-0.013	0.012	-0.182	4.997	1
5506_5506	5506	5506	19.456	-6.325	-0.023	0.031	-0.108	88.684	1
5506_5507	5506	5507	-51.368	-5.996	0.116	0.031	0.881	56.555	1
5507_5507	5507	5507	19.531	-5.924	-0.01	-0.068	-0.355	144.897	1
5507_5508	5507	5508	-53.142	-7.066	0.077	-0.027	1.304	93.662	1
5508_5508	5508	5508	20.91	-9.923	0.095	-0.059	-0.607	160.336	1
5508_5509	5508	5509	10.731	-0.388	-0.015	0.378	2.25	-27.513	1
5509_5509	5509	5509	-11.052	-0.512	-0.162	0.384	-2.422	28.502	1
5509_5510	5509	5510	-20.538	-10.052	0.012	0.032	-0.164	-164.996	1
5510_5510	5510	5510	46.592	-6.544	0.087	0.057	-0.553	-93.964	1
5510_5511	5510	5511	-19.821	-5.983	-0.021	0.168	-0.318	-144.947	1
5511_5511	5511	5511	44.948	-5.598	-0.004	-0.05	-0.022	-59.994	1
5511_5512	5511	5512	-19.694	-6.39	0.011	-0.096	-0.104	-88.372	1
5512_5512	5512	5512	39.428	-3.961	0.014	-0.01	-0.072	-13.305	1
5512_5513	5512	5513	-21.489	-7.522	0.016	0.001	0.111	23.574	1
5513_5513	5513	5513	33.782	-2.659	0.011	-0.052	0.128	41.208	1
5513_5514	5513	5514	-24.684	-9.563	-0.004	-0.069	0.111	94.452	1
5514_5514	5514	5514	29.333	-1.939	-0.034	0.029	0.162	56.404	1
5514_5515	5514	5515	-24.46	-10.124	0.027	0.066	0.259	167.322	1
5515_5515	5515	5515	21.209	-1.132	0.179	-0.03	-0.058	63.096	1
5515_5516	5515	5516	-30.038	-13.33	0.057	-0.138	0.894	310.017	1
5516_5516	5516	5516	14.338	-0.703	0.121	0.035	1.506	62.6	1
5516_5517	5516	5517	-30.5	-14.064	0.1	0.317	1.131	358.072	1
5517_5517	5517	5517	15.551	-0.6	-0.3	-0.002	1.875	67.765	1
5517_5220	5517	5220	-34.634	-17.167	0.204	0.074	1.026	418.961	1
5520_5240	5520	5240	49.25	-19.574	-3.152	-0.139	9.577	-417.929	1
5520_5521	5520	5521	15.13	-1.693	0.618	0.007	-1.173	29.014	1
5521_5521	5521	5521	38.421	-13.174	0.865	0.879	-9.707	-326.755	1
5521_5522	5521	5522	-9.695	-0.497	0.107	0.124	-1.306	-44.113	1
5522_5522	5522	5522	37.786	-12.225	0.7	-0.186	-6.849	-281.888	1
5522_5523	5522	5523	-17.107	-0.823	0.222	-0.046	0.326	-50.607	1
5523_5523	5523	5523	33.233	-9.941	0.009	0.148	0.8	-149.582	1
5523_5524	5523	5524	-49.34	-1.554	-0.168	0.138	0.446	-67.97	1
5524_5524	5524	5524	33.376	-9.169	-0.09	-0.126	0.776	-77.906	1
5524_5525	5524	5525	-54.812	-2.767	-0.01	-0.102	0.387	-53.337	1
5525_5525	5525	5525	30.804	-7.588	-0.142	-0.028	-0.089	-7.217	1
5525_5526	5525	5526	-55.497	-4.305	-0.105	0.009	-0.858	4.691	1
5526_5526	5526	5526	30.342	-6.418	-0.037	-0.146	-2.15	104.017	1
5526_5527	5526	5527	-53.55	-6.078	0.621	-0.002	4.894	56.602	1
5527_5527	5527	5527	30.47	-5.776	-0.068	0.089	-2.392	160.876	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5527_5528	5527	5528	-55.401	-7.247	0.707	-0.044	9.047	94.797	1
5528_5528	5528	5528	29.184	-12.04	0.567	-0.355	-4.192	184.396	1
5528_5529	5528	5529	12.306	-0.435	0.074	-0.159	-1.359	-35.954	1
5529_5529	5529	5529	-11.963	-0.44	-0.327	0.733	-6.335	33.515	1
5529_5530	5529	5530	-33.37	-12.968	-0.446	0.544	-5.471	-176.033	1
5530_5530	5530	5530	57.52	-6.976	-0.794	0.197	12.294	-84.325	1
5530_5531	5530	5531	-32.096	-6.247	-0.045	0.214	-2.613	-158.74	1
5531_5531	5531	5531	55.716	-5.781	-0.92	-0.062	7.915	-47.409	1
5531_5532	5531	5532	-32.69	-6.914	0.058	-0.059	-2.268	-95.947	1
5532_5532	5532	5532	40.345	-4.05	0.073	-0.021	0.156	-11.012	1
5532_5533	5532	5533	-35.377	-8.502	0.155	0.011	0.288	29.813	1
5533_5533	5533	5533	33.602	-2.718	0.023	-0.039	1.206	43.965	1
5533_5534	5533	5534	-37.248	-10.77	0.148	-0.057	1.439	108.477	1
5534_5534	5534	5534	29.509	-1.985	0.003	-0.023	1.274	59.543	1
5534_5535	5534	5535	-39.829	-11.659	0.169	-0.014	2.645	193.106	1
5535_5535	5535	5535	21.309	-1.174	0.378	0.002	1.241	66.056	1
5535_5536	5535	5536	-43.636	-14.624	0.253	-0.046	5.232	349.628	1
5536_5536	5536	5536	15.855	-0.736	0.299	-0.118	4.302	68.049	1
5536_5537	5536	5537	-43.277	-15.653	0.244	-0.252	6.102	404.171	1
5537_5537	5537	5537	17.815	-0.687	-0.472	-0.127	5.966	74.626	1
5537_5254	5537	5254	-45.879	-17.913	-0.574	-0.071	3.954	471.505	1
5540_5278	5540	5278	47.573	-17.113	1.3	0.726	-0.946	-469.114	1
5540_5541	5540	5541	-17.879	-0.396	0.078	0.053	0.62	-57.178	1
5541_5541	5541	5541	44.614	-15.336	0.183	0.845	4.495	-406.292	1
5541_5542	5541	5542	-17.832	-0.366	0.008	0.124	0.544	-55.843	1
5542_5542	5542	5542	44.62	-14.238	0.097	-0.008	4.976	-353.127	1
5542_5543	5542	5543	-24.307	-0.876	0.047	-0.005	1.247	-59.963	1
5543_5543	5543	5543	41.31	-11.699	-0.244	0.257	5.598	-198.503	1
5543_5544	5543	5544	-46.885	-1.744	-0.237	0.144	1.484	-67.904	1
5544_5544	5544	5544	39.345	-10.755	-0.354	-0.153	3.634	-112.949	1
5544_5545	5544	5545	-55.199	-2.968	-0.103	-0.092	0.809	-54.516	1
5545_5545	5545	5545	36.653	-8.785	-0.3	-0.061	0.666	-31.725	1
5545_5546	5545	5546	-58.209	-4.619	-0.167	-0.009	-1.108	7.06	1
5546_5546	5546	5546	34.761	-7.285	-0.06	-0.263	-3.855	98.431	1
5546_5547	5546	5547	-58.288	-6.737	1.27	-0.023	10.621	63.783	1
5547_5547	5547	5547	34.902	-6.575	-0.105	0.059	-4.283	162.938	1
5547_5548	5547	5548	-60.871	-7.962	1.396	-0.155	18.8	105.318	1
5548_5548	5548	5548	35.175	-13.942	0.916	-1.18	-10.428	180.735	1
5548_5549	5548	5549	11.827	-0.251	0.291	-0.467	-3.556	-39.925	1
5549_5549	5549	5549	0.988	-0.183	-0.063	0.154	-0.977	-8.219	1
5549_5550	5549	5550	-36.984	-13.908	-0.327	1.308	-9.196	-178.237	1
5550_5550	5550	5550	52.367	-7.818	1.323	-0.064	-17.987	-100.305	1
5550_5551	5550	5551	-35.449	-6.205	-0.098	0.283	-4.601	-164.605	1
5551_5551	5551	5551	50.384	-6.664	1.169	0.055	-10.272	-59.933	1
5551_5552	5551	5552	-35.393	-7.007	-0.02	0.039	-4.672	-105.314	1
5552_5552	5552	5552	43.357	-4.779	0.198	-0.032	-0.378	-9.119	1
5552_5553	5552	5553	-38.041	-8.63	0.309	0.054	0.131	21.014	1
5553_5553	5553	5553	36.169	-3.18	0.092	-0.072	2.366	53.344	1
5553_5554	5553	5554	-41.115	-10.7	0.393	-0.075	3.203	99.421	1
5554_5554	5554	5554	30.615	-2.326	0.05	-0.054	2.701	69.195	1
5554_5555	5554	5555	-43.023	-11.761	0.437	-0.049	6.365	182.949	1
5555_5555	5555	5555	18.118	-1.357	0.194	-0.079	2.505	69.249	1
5555_5556	5555	5556	-47.37	-14.328	1.275	-0.261	19.92	332.431	1
5556_5556	5556	5556	13.158	-0.912	0.047	0.023	2.858	71.187	1
5556_5557	5556	5557	-46.949	-15.641	1.382	0.012	24.426	386.071	1
5557_5557	5557	5557	14.758	-0.86	-0.09	-0.141	3.848	78.538	1
5557_5290	5557	5290	-47.834	-17.464	-1.938	-1.229	14.577	476.447	1
45000_5000	45000	5000	-0.281	-2.724	0.11	-0.133	0	-2.083	1
45000_5001	45000	5001	-0.992	-51.045	0.205	-0.418	2.613	642.233	1
45001_5001	45001	5001	0.257	-6.787	-0.049	-0.28	-0.615	-379.994	1
45001_5002	45001	5002	-1.187	-42.798	0.25	0.355	5.63	958.952	1
45002_5002	45002	5002	0.404	-8.58	0.087	0.322	-1.875	-569.192	1
45002_5003	45002	5003	-1.344	-40.161	-0.306	-0.866	2.587	1252.439	1
45003_5003	45003	5003	0.616	-15.127	0.133	-0.678	-1.214	-832.681	1
45003_5004	45003	5004	-1.428	-32.469	-0.317	0.858	-1.271	1396.52	1
45004_5004	45004	5004	0.934	-16.691	-0.014	0.311	0.628	-1101.474	1
45004_5005	45004	5005	-1.46	-35.046	0.036	-0.583	-0.955	1543.641	1
45005_5005	45005	5005	1.186	-24.516	-0.024	-0.743	0.614	-1345.004	1
45005_5006	45005	5006	-1.46	-28.291	0.037	0.688	-0.546	1583.84	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45006_5006	45006	5006	1.34	-22.063	0.017	0.852	0.386	-1452.551	1
45006_5007	45006	5007	-1.441	-32.123	-0.036	-1.27	-1.03	1661.816	1
45007_5007	45007	5007	1.424	-28.932	0.021	-1.407	0.724	-1574.443	1
45007_5008	45007	5008	-1.41	-25.605	-0.035	1.164	-1.506	1644.359	1
45008_5008	45008	5008	1.458	-25.154	-0.014	0.939	1.167	-1591.629	1
45008_5009	45008	5009	-1.373	-29.518	0.017	-1.304	-1.332	1671.375	1
45009_5009	45009	5009	1.459	-31.831	-0.02	-1.453	1.116	-1647.903	1
45009_5010	45009	5010	-1.335	-23.071	0.018	1.127	-1.131	1607.431	1
45010_5010	45010	5010	1.44	-28.023	0.036	-0.107	0.949	-1607.265	1
45010_5011	45010	5011	-1.297	-26.774	-0.032	0.034	-1.567	1589.56	1
45011_5011	45011	5011	1.409	-34.676	0.036	-0.091	1.47	-1608.929	1
45011_5012	45011	5012	-1.257	-20.409	-0.028	0.013	-1.886	1485.465	1
45012_5012	45012	5012	1.372	-31.079	-0.082	0.314	1.94	-1516.718	1
45012_5013	45012	5013	-1.211	-23.626	0.066	-0.455	-1.033	1421.159	1
45013_5013	45013	5013	1.334	-37.772	-0.085	-0.616	0.963	-1466.627	1
45013_5014	45013	5014	-1.143	-17.477	0.065	0.43	-0.194	1289.312	1
45014_5014	45014	5014	1.298	-34.888	0.162	0.172	0.003	-1324.903	1
45014_5015	45014	5015	-1.018	-17.84	-0.107	-0.302	-2.055	1150.335	1
45015_5015	45015	5015	1.632	-44.056	0.138	-0.65	2.436	-1160.761	1
45015_5016	45015	5016	-0.813	-13.875	-0.107	0.489	-2.874	1031.333	1
45016_5016	45016	5016	2.236	-39.953	-0.057	0.208	3.487	-1021.575	1
45016_5017	45016	5017	-0.404	-15.21	0.071	-0.405	-1.825	901.588	1
45017_5017	45017	5017	3.481	-46.597	-0.061	-0.491	2.472	-873.633	1
45017_5018	45017	5018	-0.169	-8.849	0.065	0.296	-0.836	672.623	1
45018_5018	45018	5018	4.737	-48.796	0.021	-0.074	1.252	-609.64	1
45018_5019	45018	5019	0.038	-6.513	0.003	-0.163	-0.914	441.41	1
45019_5019	45019	5019	6.647	-56.199	0.022	-0.278	1.234	-349.678	1
45019_5020	45019	5020	-0.088	-2.136	0.019	0.126	-0.621	175.813	1
45020_5020	45020	5020	-49.513	-6.969	-0.164	0.049	4.347	-353.042	1
45020_5021	45020	5021	19.537	-50.891	0.096	-0.154	-1.532	274.906	1
45021_5021	45021	5021	-43.359	-10.586	-0.146	0.095	2.593	-478.581	1
45021_5022	45021	5022	16.048	-45.335	0.081	-0.161	-0.645	417.764	1
45022_5022	45022	5022	-38.283	-14.373	-0.091	-0.472	1.353	-1561.616	1
45022_5023	45022	5023	13.468	-39.769	0.052	0.144	-0.072	520.146	1
45023_5023	45023	5023	-32.737	-14.281	-0.051	-0.182	0.6	-623.064	1
45023_5024	45023	5024	11.741	-39.47	0.019	0.005	0.262	632.7	1
45024_5024	45024	5024	-27.315	-18.436	-0.081	0.747	0.115	-692.412	1
45024_5025	45024	5025	10.83	-33.728	0.026	-0.823	0.58	697.346	1
45025_5025	45025	5025	-22.208	-23.189	-0.009	-1.027	-0.486	-731.751	1
45025_5026	45025	5026	10.723	-28.387	-0.008	0.71	0.603	718.469	1
45026_5026	45026	5026	-18.071	-20.906	-0.038	0.073	-0.567	-738.443	1
45026_5027	45026	5027	11.151	-32.547	0.001	-0.277	0.652	757.894	1
45027_5027	45027	5027	-15.534	-24.462	-0.033	0.249	-0.769	-765.016	1
45027_5028	45027	5028	11.989	-28.37	-0.001	-0.418	0.657	770.354	1
45028_5028	45028	5028	-13.628	-28.415	-0.025	0.192	-0.89	-775.133	1
45028_5029	45028	5029	13.262	-24.418	-0.008	-0.318	0.603	758.407	1
45029_5029	45029	5029	-12.216	-32.604	0	-0.995	-0.941	-760.733	1
45029_5030	45029	5030	15.054	-20.872	-0.037	0.737	0.355	730.147	1
45030_5030	45030	5030	-11.255	-28.382	0.001	0.368	-0.852	-719.375	1
45030_5031	45030	5031	18.055	-23.146	-0.03	-0.614	0.048	721.232	1
45031_5031	45031	5031	-10.683	-33.735	0.022	-0.321	-0.651	-696.11	1
45031_5032	45031	5032	21.813	-18.393	-0.063	0.191	-0.533	679.71	1
45032_5032	45032	5032	-10.907	-39.493	0.03	-0.292	-0.242	-629.067	1
45032_5033	45032	5033	25.799	-14.249	-0.074	0.113	-1.276	608.48	1
45033_5033	45033	5033	-11.884	-39.751	0.058	-0.061	0.266	-514.115	1
45033_5034	45033	5034	29.888	-14.325	-0.101	-0.134	-2.201	545.176	1
45034_5034	45034	5034	-13.625	-45.339	0.068	0	0.995	-409.61	1
45034_5035	45034	5035	33.586	-10.542	-0.115	-0.174	-3.304	460.419	1
45035_5035	45035	5035	-16.114	-50.908	0.096	-0.167	1.888	-265.267	1
45035_5036	45035	5036	38.05	-6.94	-0.158	0.122	-5.096	335.329	1
45036_5036	45036	5036	-4.773	-3.059	0.009	0.097	-1.817	-189.136	1
45036_5037	45036	5037	-25.253	-53.89	-0.003	-0.415	-2.415	271.487	1
45037_5037	45037	5037	9.395	-7.106	-0.004	-0.416	1.439	-403.578	1
45037_5038	45037	5038	-25.355	-46.449	0.033	-0.147	-2.668	484.554	1
45038_5038	45038	5038	12.995	-9.482	0.043	0.434	1.555	-611.139	1
45038_5039	45038	5039	-25.175	-44.169	-0.015	-0.661	-3.431	694.417	1
45039_5039	45039	5039	16.775	-15.811	0.021	-0.718	2.326	-804.794	1
45039_5040	45039	5040	-24.148	-37.632	0.033	0.286	-3.512	795.078	1
45040_5040	45040	5040	19.76	-14.483	-0.068	0.344	2.93	-896.712	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45040_5041	45040	5041	-23.369	-41.566	0.082	-0.434	-2.991	901.379	1
45041_5041	45041	5041	21.342	-18.522	-0.087	-0.216	2.483	-976.027	1
45041_5042	45041	5042	-22.131	-32.177	0.086	0.058	-1.76	999.968	1
45042_5042	45042	5042	22.883	-17.449	0.03	-0.02	1.378	-1042.409	1
45042_5043	45042	5043	-21.297	-35.087	-0.018	-0.025	-2.081	1114.59	1
45043_5043	45043	5043	23.18	-23.999	0.035	-0.008	1.815	-1129.724	1
45043_5044	45043	5044	-20.528	-27.824	-0.016	-0.043	-2.321	1137.738	1
45044_5044	45044	5044	22.803	-20.508	-0.019	-0.078	2.368	-1144.823	1
45044_5045	45044	5045	-19.933	-31.195	0.002	-0.148	-2.148	1208.051	1
45045_5045	45045	5045	22.133	-27.455	-0.01	0.008	2.175	-1208.023	1
45045_5046	45045	5046	-19.535	-24.011	-0.005	-0.05	-2.142	1184.219	1
45046_5046	45046	5046	21.321	-23.817	-0.011	0.678	2.149	-1183.557	1
45046_5047	45046	5047	-19.28	-27.554	0.003	-0.961	-2	1210.12	1
45047_5047	45047	5047	20.558	-31.02	-0.041	-1.004	2.042	-1209.957	1
45047_5048	45047	5048	-19.038	-20.578	0.028	0.719	-1.588	1147.189	1
45048_5048	45048	5048	19.962	-27.528	-0.011	0.62	1.585	-1141.911	1
45048_5049	45048	5049	-18.668	-23.99	0.033	-0.918	-1.132	1131.048	1
45049_5049	45049	5049	19.566	-34.843	-0.05	-0.994	1.386	-1121.547	1
45049_5050	45049	5050	-17.853	-17.397	0.06	0.714	-0.36	1042.622	1
45050_5050	45050	5050	19.323	-31.847	0.068	0.189	0.631	-1007.57	1
45050_5051	45050	5051	-16.024	-18.427	-0.035	-0.463	-0.817	975.054	1
45051_5051	45051	5051	19.362	-41.437	0.039	-0.885	1.439	-902.54	1
45051_5052	45051	5052	-14.527	-14.305	-0.009	0.723	-0.855	890.102	1
45052_5052	45052	5052	19.624	-37.317	0.025	0.293	1.526	-792.496	1
45052_5053	45052	5053	-11.855	-15.866	-0.021	-0.756	-0.853	803.703	1
45053_5053	45053	5053	20.145	-44.026	0.005	-0.727	1.42	-695.483	1
45053_5054	45053	5054	-8.677	-9.412	0.011	0.496	-0.75	617.592	1
45054_5054	45054	5054	19.997	-46.374	-0.002	-0.135	1.234	-483.828	1
45054_5055	45054	5055	-5.832	-6.974	0.009	-0.289	-0.554	413.169	1
45055_5055	45055	5055	19.969	-54.041	-0.02	-0.302	0.904	-269.645	1
45055_5056	45055	5056	-3.675	-2.394	0.023	0.145	-0.279	164.643	1
45056_5056	45056	5056	-41.891	-6.924	-0.094	-0.018	2.647	-347.004	1
45056_5057	45056	5057	18.607	-50.267	0.059	-0.096	-1.001	322.504	1
45057_5057	45057	5057	-37.216	-10.708	-0.099	0.204	1.597	-477.286	1
45057_5058	45057	5058	15.909	-44.656	0.062	-0.217	-0.378	462.611	1
45058_5058	45058	5058	-33.355	-14.625	-0.049	-0.462	0.768	-569.851	1
45058_5059	45058	5059	13.94	-39.077	0.037	0.221	0.027	563.146	1
45059_5059	45059	5059	-29	-14.541	-0.105	0.792	0.329	-637.917	1
45059_5060	45059	5060	12.675	-39.083	0.05	-1.086	0.52	674.186	1
45060_5060	45060	5060	-24.73	-18.759	-0.033	-0.612	-0.474	-712.661	1
45060_5061	45060	5061	12.093	-33.393	0.015	0.364	0.698	736.609	1
45061_5061	45061	5061	-20.697	-23.569	-0.031	-0.552	-0.705	-756.095	1
45061_5062	45061	5062	12.202	-28.117	0.009	0.222	0.795	755.242	1
45062_5062	45062	5062	-17.474	-21.135	-0.024	0.355	-0.907	-765.284	1
45062_5063	45062	5063	12.733	-32.53	0.002	-0.623	0.809	794.091	1
45063_5063	45063	5063	-15.51	-24.684	-0.022	0.555	-1.001	-793.891	1
45063_5064	45063	5064	13.633	-28.386	0.002	-0.749	0.814	805.868	1
45064_5064	45064	5064	-14.06	-28.616	0.007	-0.728	-1.058	-805.508	1
45064_5065	45064	5065	14.937	-24.461	-0.025	0.535	0.656	793.057	1
45065_5065	45065	5065	-13.015	-32.776	0.009	-0.687	-0.94	-792.384	1
45065_5066	45065	5066	16.745	-20.929	-0.029	0.41	0.457	763.536	1
45066_5066	45066	5066	-12.347	-28.3	0.009	0.093	-0.8	-752.224	1
45066_5067	45066	5067	19.75	-23.371	-0.03	-0.304	0.181	753.551	1
45067_5067	45067	5067	-12.054	-33.588	0.014	0.174	-0.606	-732.16	1
45067_5068	45067	5068	23.546	-18.584	-0.033	-0.344	-0.141	709.774	1
45068_5068	45068	5068	-12.452	-39.287	0.034	-0.613	-0.344	-668.236	1
45068_5069	45068	5069	27.571	-14.397	-0.073	0.42	-0.789	635.436	1
45069_5069	45069	5069	-13.524	-39.203	0.029	0.209	0.106	-555.788	1
45069_5070	45069	5070	31.683	-14.527	-0.051	-0.626	-1.293	568.697	1
45070_5070	45070	5070	-15.298	-44.789	0.056	-0.187	0.526	-454.676	1
45070_5071	45070	5071	35.324	-10.642	-0.105	0.049	-2.246	478.273	1
45071_5071	45071	5071	-17.792	-50.411	0.073	-0.305	1.197	-313.67	1
45071_5072	45071	5072	39.75	-6.92	-0.139	0.174	-3.799	351.605	1
45072_5072	45072	5072	-4.123	-2.627	-0.003	0.042	-0.785	-151.119	1
45072_5073	45072	5073	-21.291	-53.571	0.005	-0.346	-2.071	297.612	1
45073_5073	45073	5073	7.131	-7.055	-0.025	-0.296	1.426	-411.927	1
45073_5074	45073	5074	-20.894	-45.918	0.025	-0.093	-2.135	520.774	1
45074_5074	45074	5074	10.132	-9.493	0.006	0.533	1.287	-620.784	1
45074_5075	45074	5075	-20.345	-43.618	0.035	-0.82	-2.004	740.905	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45075_5075	45075	5075	13.348	-16.054	-0.042	-0.891	1.369	-812.386	1
45075_5076	45075	5076	-19.066	-36.959	0.057	0.424	-1.826	847.105	1
45076_5076	45076	5076	15.846	-14.483	0.026	0.625	1.038	-905.284	1
45076_5077	45076	5077	-18.179	-41.169	0.011	-0.813	-1.977	966.037	1
45077_5077	45077	5077	17.05	-18.687	0.014	-0.451	1.278	-1005.446	1
45077_5078	45077	5078	-16.992	-32.488	0.063	0.239	-1.391	1079.92	1
45078_5078	45078	5078	18.056	-17.474	0.021	0.762	1.49	-1084.977	1
45078_5079	45078	5079	-16.369	-35.558	-0.035	-1.061	-1.747	1193.87	1
45079_5079	45079	5079	18.196	-23.67	-0.009	-1.079	1.779	-1180.46	1
45079_5080	45079	5080	-15.876	-28.836	-0.007	0.796	-1.816	1226.14	1
45080_5080	45080	5080	17.771	-20.192	0.001	0.878	1.733	-1212.822	1
45080_5081	45080	5081	-15.566	-32.522	0.004	-1.19	-1.765	1302.625	1
45081_5081	45081	5081	17.146	-26.66	-0.03	-1.142	1.785	-1288.302	1
45081_5082	45081	5082	-15.458	-25.852	0.03	0.858	-1.392	1295.74	1
45082_5082	45082	5082	16.507	-22.681	0.002	-0.025	1.454	-1286.383	1
45082_5083	45082	5083	-15.569	-29.325	-0.009	-0.029	-1.451	1337.176	1
45083_5083	45083	5083	15.944	-29.75	0.004	-0.061	1.489	-1335.837	1
45083_5084	45083	5084	-15.875	-22.29	-0.009	0.001	-1.525	1284.04	1
45084_5084	45084	5084	15.584	-26.234	-0.003	0.826	1.568	-1290.04	1
45084_5085	45084	5085	-16.26	-26.228	-0.003	-1.11	-1.504	1283.019	1
45085_5085	45085	5085	15.463	-32.942	-0.03	-1.21	1.542	-1292.996	1
45085_5086	45085	5086	-16.624	-19.808	0.024	0.9	-1.189	1205.647	1
45086_5086	45086	5086	15.542	-29.147	-0.032	0.769	1.214	-1212.207	1
45086_5087	45086	5087	-16.811	-23.35	0.028	-1.06	-0.857	1173.491	1
45087_5087	45087	5087	15.797	-35.903	-0.062	-1.104	0.847	-1177.209	1
45087_5088	45087	5088	-16.531	-17.175	0.055	0.805	-0.222	1077.109	1
45088_5088	45088	5088	16.173	-32.737	0.086	0.237	0.141	-1060.985	1
45088_5089	45088	5089	-15.499	-18.757	-0.03	-0.462	-0.679	1003.127	1
45089_5089	45089	5089	17.008	-41.073	0.045	-0.835	1.097	-957.969	1
45089_5090	45089	5090	-14.316	-14.525	-0.014	0.655	-0.8	908.117	1
45090_5090	45090	5090	17.735	-36.858	0.022	0.409	1.306	-842.912	1
45090_5091	45090	5091	-11.965	-15.942	-0.011	-0.873	-0.845	812.791	1
45091_5091	45091	5091	18.863	-43.599	-0.006	-0.787	1.171	-736.146	1
45091_5092	45091	5092	-9.018	-9.332	0.02	0.512	-0.667	615.036	1
45092_5092	45092	5092	19.326	-45.759	0.014	-0.08	0.931	-517.634	1
45092_5093	45092	5093	-6.261	-6.982	-0.003	-0.138	-0.788	406.416	1
45093_5093	45093	5093	19.773	-53.528	0.008	-0.205	0.942	-295.821	1
45093_5094	45093	5094	3.269	-2.707	-0.002	0.01	-0.205	157.772	1
45094_5094	45094	5094	-39.98	-6.869	-0.092	0.125	2.239	-343.929	1
45094_5095	45094	5095	17.709	-49.942	0.042	-0.242	-0.783	315.005	1
45095_5095	45095	5095	-35.504	-10.65	-0.068	0.056	1.28	-469.837	1
45095_5096	45095	5096	15.149	-44.212	0.026	-0.164	-0.435	454.102	1
45096_5096	45096	5096	-31.829	-14.617	-0.021	-0.556	0.717	-560.642	1
45096_5097	45096	5097	13.293	-38.545	0.002	0.206	-0.327	552.345	1
45097_5097	45097	5097	-27.668	-14.392	-0.031	0.115	0.526	-626.744	1
45097_5098	45097	5098	12.114	-38.831	0.015	-0.249	-0.141	662.843	1
45098_5098	45098	5098	-23.58	-18.646	-0.027	0.184	0.272	-700.971	1
45098_5099	45098	5099	11.576	-33.077	0.011	-0.283	0.023	724.206	1
45099_5099	45099	5099	-19.713	-23.525	0.001	-0.636	0.078	-743.82	1
45099_5100	45099	5100	11.695	-27.77	-0.006	0.42	0.033	741.363	1
45100_5100	45100	5100	-16.648	-20.832	0.009	-0.777	0.081	-751.699	1
45100_5101	45100	5101	12.211	-32.535	-0.029	1.237	-0.114	781.322	1
45101_5101	45101	5101	-14.783	-24.401	0.034	-2.278	0.126	-781.048	1
45101_5102	45101	5102	13.082	-28.336	-0.056	2.585	-0.444	793.858	1
45102_5102	45102	5102	-13.412	-28.373	-0.055	2.557	0.319	-793.304	1
45102_5103	45102	5103	14.346	-24.365	0.031	-2.255	-0.311	781.554	1
45103_5103	45103	5103	-12.432	-32.575	-0.028	1.249	0.039	-780.711	1
45103_5104	45103	5104	16.1	-20.805	0.007	-0.792	-0.317	752.259	1
45104_5104	45104	5104	-11.808	-27.77	-0.01	0.422	-0.054	-740.75	1
45104_5105	45104	5105	19.026	-23.484	0.001	-0.638	-0.368	744.289	1
45105_5105	45105	5105	-11.544	-33.091	0.008	-0.279	-0.011	-723.752	1
45105_5106	45105	5106	22.747	-18.608	-0.027	0.18	-0.622	701.381	1
45106_5106	45106	5106	-11.936	-38.844	0.013	-0.268	0.194	-662.529	1
45106_5107	45106	5107	26.697	-14.352	-0.033	0.132	-0.96	627.003	1
45107_5107	45107	5107	-12.977	-38.503	0.016	-0.033	0.438	-552.002	1
45107_5108	45107	5108	30.739	-14.578	-0.039	-0.153	-1.346	560.715	1
45108_5108	45108	5108	-14.696	-44.189	0.021	0.045	0.722	-453.965	1
45108_5109	45108	5109	34.283	-10.603	-0.043	-0.211	-1.79	469.688	1
45109_5109	45109	5109	-17.113	-49.925	0.045	-0.204	1.087	-314.908	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45109_5110	45109	5110	38.618	-6.808	-0.086	0.149	-2.736	342.58	1
45110_5110	45110	5110	4.248	-2.388	0.001	0.141	1.109	-160.812	1
45110_5111	45110	5111	-20.225	-52.967	0.015	-0.321	-1.641	299.39	1
45111_5111	45111	5111	6.452	-7.15	-0.019	-0.3	1.192	-412.345	1
45111_5112	45111	5112	-19.886	-45.057	0.034	-0.079	-1.558	510.265	1
45112_5112	45112	5112	9.288	-9.531	0.031	0.32	0.976	-617.085	1
45112_5113	45112	5113	-19.506	-42.829	-0.015	-0.496	-2.12	715.585	1
45113_5113	45113	5113	12.344	-16.251	0.016	-0.547	1.49	-808.13	1
45113_5114	45113	5114	-18.436	-35.962	0.008	0.238	-2.325	807.912	1
45114_5114	45114	5114	14.8	-14.761	-0.075	0.141	1.897	-893.254	1
45114_5115	45114	5115	-17.745	-40.217	0.109	-0.202	-1.543	912.722	1
45115_5115	45115	5115	16.065	-19.06	-0.085	-0.092	1.31	-977.487	1
45115_5116	45115	5116	-16.886	-31.387	0.118	0.013	0.061	998.048	1
45116_5116	45116	5116	17.215	-17.392	0.068	0.362	0.048	-1034.416	1
45116_5117	45116	5117	-16.466	-34.776	-0.079	-0.51	-0.843	1103.414	1
45117_5117	45117	5117	17.521	-23.733	0.06	-0.502	0.821	-1117.775	1
45117_5118	45117	5118	-16.162	-27.815	-0.062	0.336	-1.547	1125.845	1
45118_5118	45118	5118	17.345	-19.933	-0.047	0.37	1.556	-1134.073	1
45118_5119	45118	5119	-16.044	-31.738	0.049	-0.532	-0.919	1196.976	1
45119_5119	45119	5119	16.977	-26.542	-0.064	-0.564	1.018	-1198.663	1
45119_5120	45119	5120	-16.144	-24.819	0.058	0.397	-0.207	1182.055	1
45120_5120	45120	5120	16.554	-22.333	0.041	1.116	0.264	-1185.134	1
45120_5121	45120	5121	-16.509	-28.524	-0.036	-1.514	-0.664	1218.975	1
45121_5121	45121	5121	16.196	-29.616	0.001	-1.536	0.736	-1227.219	1
45121_5122	45121	5122	-17.108	-21.248	0.01	1.112	-0.518	1158.401	1
45122_5122	45122	5122	16.041	-25.878	-0.019	0.348	0.727	-1171.78	1
45122_5123	45122	5123	-17.803	-25.455	0.003	-0.508	-0.379	1154.584	1
45123_5123	45123	5123	16.125	-32.793	-0.031	-0.56	0.497	-1169.806	1
45123_5124	45123	5124	-18.499	-18.802	0.013	0.383	-0.185	1071.613	1
45124_5124	45124	5124	16.437	-28.841	0.005	0.633	0.159	-1081.706	1
45124_5125	45124	5125	-18.99	-22.539	-0.001	-0.913	-0.215	1037.591	1
45125_5125	45125	5125	16.958	-35.81	-0.026	-0.967	0.208	-1042.515	1
45125_5126	45125	5126	-18.909	-16.201	0.038	0.68	0.236	939.141	1
45126_5126	45126	5126	17.638	-32.495	0.03	0.185	-0.104	-919.439	1
45126_5127	45126	5127	-18.009	-18.065	0.002	-0.408	0.37	869.306	1
45127_5127	45127	5127	18.875	-41.071	-0.012	-0.664	0.066	-809.937	1
45127_5128	45127	5128	-16.839	-13.759	0.008	0.515	0.39	775.086	1
45128_5128	45128	5128	19.821	-36.701	0.021	0.238	-0.193	-690.694	1
45128_5129	45128	5129	-14.36	-15.454	0.016	-0.728	0.513	691.102	1
45129_5129	45129	5129	21.204	-43.509	-0.008	-0.625	-0.313	-588.62	1
45129_5130	45129	5130	-11.115	-8.76	0.075	0.407	1.339	507.885	1
45130_5130	45130	5130	21.776	-44.98	0.082	-0.076	-0.678	-374.064	1
45130_5131	45130	5131	-7.956	-7.469	-0.139	-0.155	-0.361	322.465	1
45131_5131	45131	5131	22.22	-52.727	0.091	-0.076	0.326	-169.44	1
45131_5132	45131	5132	4.366	-2.969	-0.03	0.057	-1.025	216.591	1
45132_5132	45132	5132	-44.385	-6.32	0.118	-0.588	0.165	-285.725	1
45132_5133	45132	5133	18.975	-49.678	-0.02	1.293	-0.705	256.554	1
45133_5133	45133	5133	-39.33	-10.203	0.153	-1.646	1.113	-419.321	1
45133_5134	45133	5134	15.832	-43.793	-0.054	1.699	-0.908	398.463	1
45134_5134	45134	5134	-35.133	-14.299	-0.298	4.238	2.056	-507.981	1
45134_5135	45134	5135	13.44	-37.937	0.147	-1.822	0.38	497.917	1
45135_5135	45135	5135	-30.413	-13.475	0.048	0.272	-0.43	-572.664	1
45135_5136	45135	5136	11.722	-38.689	-0.042	-0.243	0.077	614.327	1
45136_5136	45136	5136	-25.771	-17.851	0.084	-0.454	-0.102	-650.499	1
45136_5137	45136	5137	10.683	-32.687	-0.053	0.476	-0.335	679.236	1
45137_5137	45137	5137	-21.31	-22.877	0.049	0.379	0.54	-695.15	1
45137_5138	45137	5138	10.322	-27.169	-0.035	-0.273	-0.601	697.95	1
45138_5138	45138	5138	-17.641	-20.03	-0.044	0.496	0.883	-703.195	1
45138_5139	45138	5139	10.492	-32.207	0.025	-0.621	-0.429	740.696	1
45139_5139	45139	5139	-15.353	-23.7	-0.015	-0.605	0.598	-734.68	1
45139_5140	45139	5140	11.037	-27.835	0.005	0.577	-0.367	754.958	1
45140_5140	45140	5140	-13.571	-27.809	-0.036	0.585	0.479	-748.577	1
45140_5141	45140	5141	11.995	-23.714	0.022	-0.625	-0.226	743.135	1
45141_5141	45141	5141	-12.197	-32.173	-0.012	-0.604	0.264	-736.622	1
45141_5142	45141	5142	13.479	-20.03	0	0.493	-0.214	713.575	1
45142_5142	45142	5142	-11.187	-27.149	0.002	0.015	0.18	-696.101	1
45142_5143	45142	5143	16.085	-22.937	-0.006	-0.026	-0.294	707.739	1
45143_5143	45143	5143	-10.43	-32.66	0.003	0.019	0.209	-680.434	1
45143_5144	45143	5144	19.52	-17.897	-0.003	-0.025	-0.331	665.054	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45144_5144	45144	5144	-10.352	-38.647	0.004	0.024	0.248	-618.733	1
45144_5145	45144	5145	23.184	-13.504	0	-0.024	-0.326	588.931	1
45145_5145	45145	5145	-10.962	-38.526	-0.023	0.037	0.307	-505.745	1
45145_5146	45145	5146	26.983	-13.709	0.014	0.146	-0.189	520.997	1
45146_5146	45146	5146	-12.296	-44.398	-0.024	-0.026	0.158	-404.647	1
45146_5147	45146	5147	30.302	-9.626	0.012	0.183	-0.106	427.671	1
45147_5147	45147	5147	-14.389	-50.3	-0.045	0.207	-0.025	-260.67	1
45147_5148	45147	5148	34.336	-5.752	0.042	-0.199	0.196	291.675	1
45148_5148	45148	5148	8.321	-2.615	0.017	0.044	-0.328	-134.196	1
45148_5149	45148	5149	-30.22	-52.246	-0.013	-0.094	-0.043	233.415	1
45149_5149	45149	5149	12.05	-7.305	0.007	-0.141	-0.144	-373.073	1
45149_5150	45149	5150	-31.172	-44.446	0.009	-0.042	-0.101	430.36	1
45150_5150	45150	5150	16.443	-9.787	-0.001	0.07	0.028	-566.435	1
45150_5151	45150	5151	-31.93	-42.132	0	-0.091	-0.101	621.093	1
45151_5151	45151	5151	21.163	-16.369	-0.004	-0.079	-0.014	-735.902	1
45151_5152	45151	5152	-31.658	-35.466	0.004	0.032	-0.112	698.92	1
45152_5152	45152	5152	24.965	-14.884	0.005	0.011	-0.036	-806.583	1
45152_5153	45152	5153	-31.429	-39.491	0.002	-0.011	-0.144	799.36	1
45153_5153	45153	5153	27.085	-19.186	0.005	0.019	0.015	-878.042	1
45153_5154	45153	5154	-31.185	-30.816	0.003	-0.011	-0.135	870.929	1
45154_5154	45154	5154	29.444	-17.684	0.003	0.02	0.102	-919.599	1
45154_5155	45154	5155	-31.121	-33.556	-0.001	-0.021	-0.16	963.998	1
45155_5155	45155	5155	30.567	-24.092	0.003	0.024	0.143	-988.837	1
45155_5156	45155	5156	-31.097	-26.469	-0.002	-0.015	-0.193	974.115	1
45156_5156	45156	5156	31.031	-21.097	0.012	0.026	0.179	-992.052	1
45156_5157	45156	5157	-31.167	-30.033	-0.016	-0.022	-0.356	1022.682	1
45157_5157	45157	5157	31.175	-27.281	0.015	0.041	0.324	-1031.233	1
45157_5158	45157	5158	-31.306	-23.669	-0.018	-0.028	-0.54	1003.848	1
45158_5158	45158	5158	31.144	-23.767	-0.032	-0.381	0.531	-1006.757	1
45158_5159	45158	5159	-31.435	-27.276	0.021	0.506	-0.271	1026.592	1
45159_5159	45159	5159	31.096	-30.101	0.001	0.519	0.214	-1023.325	1
45159_5160	45159	5160	-31.396	-21.083	-0.014	-0.393	-0.415	985.818	1
45160_5160	45160	5160	31.114	-26.69	0.001	0.023	0.273	-973.035	1
45160_5161	45160	5161	-31.052	-24.107	0.019	-0.021	-0.231	980.856	1
45161_5161	45161	5161	31.235	-33.711	-0.003	0.026	0.268	-959.83	1
45161_5162	45161	5162	-30.045	-17.698	0.021	-0.013	0.011	909.814	1
45162_5162	45162	5162	31.399	-31.155	0.032	0.151	0.153	-865.086	1
45162_5163	45162	5163	-27.808	-19.085	-0.069	-0.259	-0.954	864.072	1
45163_5163	45163	5163	31.782	-39.747	0.023	-0.333	0.7	-787.658	1
45163_5164	45163	5164	-25.743	-14.802	-0.047	0.295	-1.331	789.156	1
45164_5164	45164	5164	32.105	-36.006	-0.033	-0.156	1.075	-685.432	1
45164_5165	45164	5165	-21.993	-16.122	0.05	0.399	-0.726	713.222	1
45165_5165	45165	5165	32.501	-42.612	-0.01	0.293	0.872	-599.45	1
45165_5166	45165	5166	-17.272	-9.635	0.016	-0.206	-0.323	539.892	1
45166_5166	45166	5166	31.905	-45.223	0.01	-0.055	0.593	-402.954	1
45166_5167	45166	5167	-12.822	-7.141	-0.015	-0.131	-0.38	345.614	1
45167_5167	45167	5167	31.033	-52.874	-0.009	-0.087	0.588	-198.347	1
45167_5168	45167	5168	-8.958	-2.559	-0.006	0.048	-0.443	108.51	1
45168_5168	45168	5168	-37.23	-5.93	-0.028	0.111	0.671	-293.987	1
45168_5169	45168	5169	16.186	-51.026	0.007	-0.052	-0.107	257.438	1
45169_5169	45169	5169	-33.054	-9.676	0.014	-0.334	0.359	-430.579	1
45169_5170	45169	5170	13.862	-45.287	-0.019	0.193	-0.174	406.807	1
45170_5170	45170	5170	-29.586	-13.605	-0.016	0.307	0.43	-524.53	1
45170_5171	45170	5171	12.303	-39.544	-0.005	-0.223	-0.197	514.323	1
45171_5171	45171	5171	-25.61	-13.556	0.015	-0.408	0.314	-595.024	1
45171_5172	45171	5172	11.502	-39.364	-0.008	0.519	-0.17	631.746	1
45172_5172	45172	5172	-21.728	-17.827	-0.012	0.285	0.361	-672.993	1
45172_5173	45172	5173	11.397	-33.47	0.005	-0.187	-0.074	699.092	1
45173_5173	45173	5173	-18.055	-22.727	-0.008	0.26	0.238	-719.459	1
45173_5174	45173	5174	12.003	-28.004	0.004	-0.121	0.001	720.733	1
45174_5174	45174	5174	-15.202	-20.31	0.009	-0.503	0.166	-731.131	1
45174_5175	45174	5175	12.916	-32.477	-0.015	0.619	-0.018	761.812	1
45175_5175	45175	5175	-13.538	-23.939	-0.012	0.645	0.164	-761.997	1
45175_5176	45175	5176	14.212	-28.186	0.007	-0.611	0.042	774.871	1
45176_5176	45176	5176	-12.406	-27.983	0.01	-0.586	0.09	-775.536	1
45176_5177	45176	5177	15.921	-24.132	-0.019	0.624	-0.04	762.288	1
45177_5177	45177	5177	-11.7	-32.265	-0.011	0.647	0.115	-763.536	1
45177_5178	45177	5178	18.144	-20.49	0.007	-0.52	0.018	732.229	1
45178_5178	45178	5178	-11.379	-27.929	-0.008	0.138	0.051	-723.445	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45178_5179	45178	5179	21.715	-22.907	0.003	-0.274	0.072	721.426	1
45179_5179	45179	5179	-11.573	-33.374	-0.007	0.207	-0.022	-702.279	1
45179_5180	45179	5180	26.069	-18.012	0.003	-0.298	0.127	675.984	1
45180_5180	45180	5180	-12.475	-39.245	0.008	-0.504	-0.086	-635.717	1
45180_5181	45180	5181	30.6	-13.737	-0.034	0.398	-0.091	598.933	1
45181_5181	45181	5181	-14.073	-39.565	0.004	0.246	-0.028	-519.321	1
45181_5182	45181	5182	35.189	-13.75	0.012	-0.326	-0.059	528.827	1
45182_5182	45182	5182	-16.376	-45.276	0.023	-0.182	0.029	-411.892	1
45182_5183	45182	5183	39.22	-9.833	-0.029	0.326	-0.282	435.428	1
45183_5183	45183	5183	-19.419	-50.985	-0.004	0.075	0.209	-263.05	1
45183_5184	45183	5184	44.014	-6.09	0.021	-0.131	-0.104	299.936	1
45184_5184	45184	5184	-5.322	-2.806	-0.006	-0.09	0.601	-178.729	1
45184_5185	45184	5185	-25.7	-54.438	-0.003	0.06	0.133	185.328	1
45185_5185	45185	5185	9.419	-6.628	0.015	0.151	-0.107	-334.912	1
45185_5186	45185	5186	-26.053	-46.926	-0.015	0.048	0.066	411.779	1
45186_5186	45186	5186	13.12	-9.158	0.013	-0.073	0.038	-538.422	1
45186_5187	45186	5187	-26.212	-44.147	-0.031	0.112	-0.298	632.196	1
45187_5187	45187	5187	17.113	-15.497	0.025	0.21	0.322	-726.2	1
45187_5188	45187	5188	-25.509	-37.52	-0.043	-0.101	-0.727	741.401	1
45188_5188	45188	5188	20.287	-14.522	0.004	0.067	0.669	-819.806	1
45188_5189	45188	5189	-25.022	-40.834	-0.023	-0.075	-0.891	854.851	1
45189_5189	45189	5189	22.008	-18.723	0.005	0.055	0.77	-903.596	1
45189_5190	45189	5190	-24.467	-32.353	-0.03	-0.048	-1.33	947.648	1
45190_5190	45190	5190	23.782	-17.857	0.026	0.076	0.989	-970.944	1
45190_5191	45190	5191	-24.214	-34.52	-0.025	-0.08	-1.68	1048.085	1
45191_5191	45191	5191	24.501	-24.088	0.026	0.083	1.386	-1052.298	1
45191_5192	45191	5192	-24.036	-27.682	-0.025	-0.073	-2.007	1067.527	1
45192_5192	45192	5192	24.644	-21.627	-0.004	0.107	1.774	-1070.177	1
45192_5193	45192	5193	-23.988	-30.753	-0.009	-0.102	-2.129	1117.828	1
45193_5193	45193	5193	24.548	-27.631	-0.002	0.102	1.841	-1115.685	1
45193_5194	45193	5194	-24.019	-24.616	-0.012	-0.08	-2.289	1102.868	1
45194_5194	45194	5194	24.325	-24.618	0.024	0.091	1.957	-1098.649	1
45194_5195	45194	5195	-24.049	-27.747	-0.039	-0.079	-2.728	1123.642	1
45195_5195	45195	5195	24.121	-30.758	0.028	0.097	2.352	-1115.896	1
45195_5196	45195	5196	-23.924	-21.812	-0.041	-0.067	-3.177	1083.947	1
45196_5196	45196	5196	24.009	-27.867	0.026	0.067	2.812	-1067.902	1
45196_5197	45196	5197	-23.535	-24.36	-0.019	-0.055	-3.396	1074.116	1
45197_5197	45197	5197	24.006	-34.655	0.025	0.073	3.24	-1050	1
45197_5198	45197	5198	-22.612	-18.249	-0.018	-0.042	-3.529	1002.148	1
45198_5198	45198	5198	24.059	-32.671	0.025	0.039	3.605	-953.769	1
45198_5199	45198	5199	-20.679	-19.195	-0.034	-0.028	-3.813	947.425	1
45199_5199	45199	5199	24.313	-40.981	0.029	0.012	4.043	-870.17	1
45199_5200	45199	5200	-18.937	-15.087	-0.032	0.011	-3.912	872.479	1
45200_5200	45200	5200	24.618	-38.15	0.002	-0.012	4.325	-764.854	1
45200_5201	45200	5201	-15.874	-15.772	-0.006	0.072	-3.685	782.501	1
45201_5201	45201	5201	25.081	-44.64	0.007	0.016	4.335	-662.919	1
45201_5202	45201	5202	-12.146	-9.617	-0.005	-0.001	-3.268	598.362	1
45202_5202	45202	5202	24.751	-47.667	0.013	0.004	4.267	-453.512	1
45202_5203	45202	5203	-8.744	-7.068	-0.02	0.201	-3.091	392.766	1
45203_5203	45203	5203	24.325	-54.929	0.025	-0.06	4.282	-234.006	1
45203_5204	45203	5204	-5.937	-2.713	-0.027	0.064	-2.825	147.292	1
45204_5204	45204	5204	-44.627	-7.254	-0.098	-0.171	6.63	-355.757	1
45204_5205	45204	5205	21.043	-51.656	0.064	0.092	-3.063	300.782	1
45205_5205	45205	5205	-39.983	-10.804	-0.132	0.333	5.237	-490.829	1
45205_5206	45205	5206	18.214	-46.367	0.084	-0.186	-1.924	450.63	1
45206_5206	45206	5206	-36.071	-14.437	-0.083	-0.377	3.867	-580.256	1
45206_5207	45206	5207	16.15	-41.038	0.052	0.289	-1.054	560.809	1
45207_5207	45207	5207	-31.664	-14.61	-0.068	-0.041	2.857	-649.053	1
45207_5208	45207	5208	14.847	-40.364	0.016	0.001	-0.52	678.169	1
45208_5208	45208	5208	-27.335	-18.61	-0.06	-0.028	2.047	-723.305	1
45208_5209	45208	5209	14.283	-34.82	0.009	0	-0.103	749.555	1
45209_5209	45209	5209	-23.204	-23.166	-0.051	-0.019	1.353	-769.333	1
45209_5210	45209	5210	14.477	-29.614	0.001	-0.003	0.192	778.256	1
45210_5210	45210	5210	-19.846	-21.501	-0.029	-0.591	0.802	-784.928	1
45210_5211	45210	5211	15.112	-33.033	-0.025	0.657	0.262	818.211	1
45211_5211	45211	5211	-17.795	-24.955	-0.052	0.651	0.501	-813.864	1
45211_5212	45211	5212	16.148	-28.998	-0.005	-0.669	0.351	832.015	1
45212_5212	45212	5212	-16.276	-28.774	-0.017	-0.657	0.134	-826.839	1
45212_5213	45212	5213	17.612	-25.169	-0.039	0.651	0.228	822.011	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45213_5213	45213	5213	-15.193	-32.801	-0.036	0.667	-0.01	-816.132	1
45213_5214	45213	5214	19.591	-21.701	-0.017	-0.601	0.16	795.877	1
45214_5214	45214	5214	-14.518	-29.483	0.023	0.303	-0.176	-779.372	1
45214_5215	45214	5215	22.834	-23.355	-0.01	-0.465	0.097	783.793	1
45215_5215	45215	5215	-14.274	-34.673	0.044	-0.517	0.068	-754.139	1
45215_5216	45215	5216	26.823	-18.795	-0.047	0.456	-0.26	741.176	1
45216_5216	45216	5216	-14.786	-40.201	0.027	0.289	0.451	-686.416	1
45216_5217	45216	5217	30.991	-14.782	-0.022	-0.384	-0.541	669.965	1
45217_5217	45217	5217	-16.02	-40.999	-0.104	0.119	0.673	-572.866	1
45217_5218	45217	5218	35.212	-14.541	-0.011	-1.557	-0.752	603.273	1
45218_5218	45218	5218	-18.006	-46.306	-0.039	0.077	0.057	-465.45	1
45218_5219	45218	5219	38.931	-10.905	-0.077	-1.026	-1.442	515.707	1
45219_5219	45219	5219	-20.735	-51.578	0.142	-1.368	0.326	-319.572	1
45219_5220	45219	5220	43.307	-7.34	-0.317	1.24	-4.411	385.36	1
45220_5220	45220	5220	-7.3	-3.251	-0.146	0.2	5.161	-173.957	1
45220_5221	45220	5221	-25.223	-55.147	0.014	-0.768	-0.703	297.72	1
45221_5221	45221	5221	9.028	-7.355	-0.073	-0.526	1.018	-433.474	1
45221_5222	45221	5222	-25.92	-48.108	0.046	-0.377	-0.383	531.612	1
45222_5222	45222	5222	12.601	-9.968	0.108	1.097	-0.293	-645.393	1
45222_5223	45222	5223	-26.544	-45.17	-0.036	-1.786	-1.718	759.039	1
45223_5223	45223	5223	16.586	-15.92	0.02	-1.688	0.928	-873.621	1
45223_5224	45223	5224	-26.401	-38.845	0.056	0.602	-1.917	873.557	1
45224_5224	45224	5224	19.885	-15.416	0.093	2.121	1.445	-941.303	1
45224_5225	45224	5225	-26.3	-41.704	-0.128	-2.766	-3.309	985.435	1
45225_5225	45225	5225	21.782	-19.337	0.032	-1.287	2.271	-1031.289	1
45225_5226	45225	5226	-26.396	-32.701	-0.023	0.448	-4.158	1095.516	1
45226_5226	45226	5226	24.231	-19.747	0.059	1.928	3.467	-1111.645	1
45226_5227	45226	5227	-26.542	-34.26	-0.127	-2.796	-5.661	1190.532	1
45227_5227	45227	5227	25.422	-26.072	-0.024	-2.373	4.609	-1188.389	1
45227_5228	45227	5228	-26.59	-27.414	-0.034	1.526	-6.212	1199.018	1
45228_5228	45228	5228	26.021	-24.339	0.106	2.026	4.94	-1196.956	1
45228_5229	45228	5229	-26.507	-29.275	-0.194	-2.913	-8.686	1233.345	1
45229_5229	45229	5229	26.358	-31.027	0.022	-2.421	6.97	-1228.081	1
45229_5230	45229	5230	-26.164	-22.652	-0.105	1.597	-10.203	1184.431	1
45230_5230	45230	5230	26.525	-29.541	0.183	1.387	8.229	-1175.123	1
45230_5231	45230	5231	-25.329	-23.892	-0.17	-2.2	-12.492	1161.034	1
45231_5231	45231	5231	26.6	-36.67	0.103	-1.749	11.307	-1142.389	1
45231_5232	45231	5232	-23.841	-17.599	-0.092	1.069	-13.601	1063.329	1
45232_5232	45232	5232	26.528	-36.563	-0.056	0.915	13.268	-1018.51	1
45232_5233	45232	5233	-22.286	-19.473	0.154	-1.738	-11.817	1009.95	1
45233_5233	45233	5233	26.571	-41.829	-0.112	-0.122	12.694	-939.572	1
45233_5234	45233	5234	-20.786	-16.151	0.177	-0.322	-10.395	943.906	1
45234_5234	45234	5234	26.776	-45.748	-0.194	-2.032	11.656	-850.503	1
45234_5235	45234	5235	-18.881	-12.852	0.212	1.566	-8.577	846.841	1
45235_5235	45235	5235	26.591	-45.927	1.317	1.048	9.685	-727.481	1
45235_5236	45235	5236	-17.293	-13.808	-1.349	-2.213	-15.697	787.929	1
45236_5236	45236	5236	26.865	-48.686	1.288	-0.396	16.469	-654.369	1
45236_5237	45236	5237	-14.954	-10.291	-1.221	-0.085	-25.864	676.8	1
45237_5237	45237	5237	26.651	-53.35	1.269	-1.598	27.48	-504.888	1
45237_5238	45237	5238	-13.141	-7.927	-1.12	1.276	-32.455	569.49	1
45238_5238	45238	5238	25.782	-42.913	-1.463	1.033	36.119	-364.558	1
45238_5239	45238	5239	-10.128	-12.946	1.44	-1.633	-16.037	473.545	1
45239_5239	45239	5239	26.509	-47.551	-1.547	-0.15	20.919	-259.577	1
45239_5240	45239	5240	-7.324	-8.546	1.374	-0.044	0.382	322.8	1
45240_5240	45240	5240	-47.561	-12.304	0.919	-0.009	-7.362	-523.039	1
45240_5241	45240	5241	28.692	-41.708	-0.862	-0.523	-1.971	481.535	1
45241_5241	45241	5241	-43.011	-18.613	1.165	-2.085	3.521	-642.125	1
45241_5242	45241	5242	27.203	-37.983	-0.909	1.125	-6.926	533.842	1
45242_5242	45242	5242	-40.709	-22.065	1.206	-2.428	10.126	-671.698	1
45242_5243	45242	5243	25.933	-34.072	-0.843	1.044	-11.389	565.953	1
45243_5243	45243	5243	-37.859	-13.943	-0.809	0.87	17.468	-679.462	1
45243_5244	45243	5244	24.807	-42.517	0.468	-1.464	-4.188	727.098	1
45244_5244	45244	5244	-33.747	-18.402	-0.645	-1.25	8.986	-778.196	1
45244_5245	45244	5245	24.748	-36.077	0.283	0.549	0.422	825.683	1
45245_5245	45245	5245	-30.022	-20.559	-0.247	1.085	2.332	-838.046	1
45245_5246	45245	5246	25.69	-33.271	0.092	-1.777	2.446	898.15	1
45246_5246	45246	5246	-27.157	-26.124	-0.114	-1.431	-0.399	-894.641	1
45246_5247	45246	5247	27.483	-27.468	-0.032	0.805	2.946	904.796	1
45247_5247	45247	5247	-25.457	-27.542	-0.194	0.997	-1.539	-899.843	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45247_5248	45247	5248	30.128	-26.273	0.174	-1.717	5.208	903.218	1
45248_5248	45248	5248	-24.716	-33.225	-0.113	-1.294	-3.563	-895.67	1
45248_5249	45248	5249	34.118	-20.679	0.044	0.643	6.281	852.22	1
45249_5249	45249	5249	-24.895	-36.222	-0.13	0.487	-5.002	-824.027	1
45249_5250	45249	5250	38.819	-18.485	0.132	-1.158	7.94	793.742	1
45250_5250	45250	5250	-26.103	-42.814	-0.07	-1.004	-6.839	-723.447	1
45250_5251	45250	5251	43.395	-14.298	-0.028	0.562	7.481	707.24	1
45251_5251	45251	5251	-28.221	-34.672	1.071	0.673	-7.95	-570.858	1
45251_5252	45251	5252	46.338	-23.014	-1.159	-1.403	0.032	705.157	1
45252_5252	45252	5252	-30.075	-38.21	1.212	0.22	-1.197	-542.577	1
45252_5253	45252	5253	49.034	-19.476	-1.175	-0.379	-7.386	681.754	1
45253_5253	45253	5253	-32.311	-41.971	1.38	-0.827	7.187	-493.716	1
45253_5254	45253	5254	52.907	-14.665	-1.186	1.097	-17.899	610.75	1
45254_5254	45254	5254	4.734	-18.48	1.969	0.829	17.349	-379.597	1
45254_5255	45254	5255	-20.561	-43.784	-1.123	-4.599	-12.462	172.945	1
45255_5255	45255	5255	6.503	-9.263	-1.805	0.328	22.289	-397.546	1
45255_5256	45255	5256	-23.135	-47.164	1.335	-0.543	9.289	354.269	1
45256_5256	45256	5256	9.111	-14.65	-1.838	-1.329	-2.523	-567.187	1
45256_5257	45256	5257	-23.626	-42.458	1.254	-0.067	21.824	441.138	1
45257_5257	45257	5257	11.773	-8.715	0.708	1.719	-20.452	-645.551	1
45257_5258	45257	5258	-24.743	-53.556	-0.658	-2.123	17.277	579.043	1
45258_5258	45258	5258	13.397	-10.958	0.668	0.616	-16.435	-747.26	1
45258_5259	45258	5259	-25.159	-49.625	-0.586	-1.136	12.409	711.834	1
45259_5259	45259	5259	15.345	-13.906	0.604	-1.679	-12.067	-846.42	1
45259_5260	45259	5260	-25.397	-45.652	-0.53	0.457	7.523	817.946	1
45260_5260	45260	5260	17.321	-13.836	0.424	2.983	-7.761	-929.271	1
45260_5261	45260	5261	-25.729	-46.699	-0.528	-3.595	3.917	910.379	1
45261_5261	45261	5261	18.735	-16.241	0.392	-0.043	-5.371	-1003.208	1
45261_5262	45261	5262	-26.023	-43.182	-0.417	-0.556	0.573	1001.578	1
45262_5262	45262	5262	20.154	-19.141	0.401	-1.031	-2.721	-1069.948	1
45262_5263	45262	5263	-26.981	-36.348	-0.356	0.071	-4.694	1109.98	1
45263_5263	45263	5263	22.4	-19.159	0.118	1.615	3.202	-1145.327	1
45263_5264	45263	5264	-27.983	-36.672	-0.253	-2.385	-7.579	1216.928	1
45264_5264	45264	5264	24.183	-24.858	0.088	-1.387	5.435	-1227.499	1
45264_5265	45264	5265	-28.885	-30.165	-0.202	0.602	-10.265	1247.939	1
45265_5265	45265	5265	25.605	-23.991	0.229	2.215	7.746	-1253.318	1
45265_5266	45265	5266	-29.629	-31.255	-0.335	-3.154	-14.424	1295.169	1
45266_5266	45266	5266	26.811	-30.223	0.158	-2.204	11.749	-1294.013	1
45266_5267	45266	5267	-30.102	-25.11	-0.232	1.306	-17.282	1266.599	1
45267_5267	45267	5267	27.837	-29.026	0.249	2.42	14.978	-1261.511	1
45267_5268	45267	5268	-30.151	-26.248	-0.245	-3.489	-20.043	1259.91	1
45268_5268	45268	5268	28.761	-35.402	0.117	-2.717	18.977	-1246.236	1
45268_5269	45268	5269	-29.585	-20.434	-0.103	1.766	-20.806	1189.429	1
45269_5269	45269	5269	29.537	-34.92	0.371	1.95	21.017	-1155.009	1
45269_5270	45269	5270	-28.691	-22.336	-0.225	-3.034	-22.261	1153.878	1
45270_5270	45270	5270	29.974	-39.868	0.274	-0.607	24.448	-1098.131	1
45270_5271	45270	5271	-27.387	-18.018	-0.131	-0.005	-22.569	1081.801	1
45271_5271	45271	5271	30.477	-44.814	0.183	-2.805	26.515	-1002.466	1
45271_5272	45271	5272	-26.086	-15.38	-0.058	2.13	-22.127	1013.252	1
45272_5272	45272	5272	30.89	-43.626	1.126	1.281	27.08	-911.497	1
45272_5273	45272	5273	-24.364	-16.067	-1.126	-2.307	-28.911	945.375	1
45273_5273	45273	5273	31.248	-47.248	1.119	-0.231	34.328	-816.865	1
45273_5274	45273	5274	-22.605	-13.45	-1.032	-0.309	-34.339	866.585	1
45274_5274	45274	5274	31.753	-50.443	1.078	-2.221	41.05	-721.824	1
45274_5275	45274	5275	-19.354	-9.539	-0.854	1.593	-40.94	708.577	1
45275_5275	45275	5275	30.869	-42.195	-2.672	0.04	52	-508.348	1
45275_5276	45275	5276	-15.73	-15.269	3.2	-0.96	-5.116	628.535	1
45276_5276	45276	5276	30.408	-47.083	-2.971	-1.458	21.475	-420.264	1
45276_5277	45276	5277	-12.869	-11.281	3.173	1.168	28.912	511.588	1
45277_5277	45277	5277	28.872	-43.255	0.93	-0.906	-12.256	-293.272	1
45277_5278	45277	5278	-9.951	-15.94	-2.537	2.993	11.133	445.741	1
45278_5278	45278	5278	-46.229	-18.007	0.731	0.967	-2.43	-683.702	1
45278_5279	45278	5279	29.647	-38.509	-1.326	-1.923	-1.838	519.601	1
45279_5279	45279	5279	-42.831	-23.028	1.077	-0.762	4.315	-723.627	1
45279_5280	45279	5280	28.263	-34.828	-1.412	-0.581	-10.366	553.852	1
45280_5280	45280	5280	-40.422	-16.612	-0.693	0.869	11.899	-721.812	1
45280_5281	45280	5281	26.862	-37.317	0.521	-1.102	-2.185	671.217	1
45281_5281	45281	5281	-35.882	-22.48	-0.593	-0.806	4.056	-786.146	1
45281_5282	45281	5282	27.033	-29.403	0.339	0.26	3.496	707.779	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45282_5282	45282	5282	-31.345	-21.734	-0.123	0.732	-3.172	-759.164	1
45282_5283	45282	5283	28.872	-29.672	-0.161	-1.16	1.859	744.384	1
45283_5283	45283	5283	-28.271	-29.065	0.034	-1.243	-3.97	-780.52	1
45283_5284	45283	5284	32.132	-22.925	-0.34	0.673	-2.634	718.249	1
45284_5284	45284	5284	-26.882	-25.44	0.242	0.492	-2.111	-718.67	1
45284_5285	45284	5285	36.651	-25.541	-0.084	-0.962	-4.819	742.176	1
45285_5285	45285	5285	-26.977	-32.556	0.289	-0.862	1.824	-712.34	1
45285_5286	45285	5286	41.631	-19.747	-0.122	0.491	-6.3	705.52	1
45286_5286	45286	5286	-28.199	-30.174	-0.619	0.622	5.587	-637.417	1
45286_5287	45286	5287	47.82	-22.074	0.466	-1.565	-0.165	714.279	1
45287_5287	45287	5287	-30.941	-37.478	-0.546	-0.831	-1.201	-590.209	1
45287_5288	45287	5288	53.712	-16.035	0.127	0.457	0.691	652.943	1
45288_5288	45288	5288	-35.056	-34.459	1.519	2.244	-6.961	-468.687	1
45288_5289	45288	5289	55.658	-25.868	-1.227	-2.339	-5.143	666.19	1
45289_5289	45289	5289	-36.847	-36.646	1.61	1.84	-0.428	-455.397	1
45289_5290	45289	5290	59.752	-21.001	-1.117	-1.305	-17.249	673.414	1
45290_5290	45290	5290	0.88	-12.764	3.571	-3.274	2.666	-416.614	1
45290_5291	45290	5291	-8.534	-45.769	-2.204	1.99	-26.149	462.635	1
45291_5291	45291	5291	1.733	-10.624	-2.723	0.703	38.33	-549.058	1
45291_5292	45291	5292	-7.713	-47.08	2.019	-1.079	0.361	661.708	1
45292_5292	45292	5292	2.236	-15.491	-2.687	-1.661	7.067	-713.622	1
45292_5293	45292	5293	-6.57	-41.985	1.859	0.828	19.474	792.718	1
45293_5293	45293	5293	3.119	-11.321	0.505	1.804	-19.719	-823.133	1
45293_5294	45293	5294	-6.161	-48.699	-0.375	-2.555	16.393	939.644	1
45294_5294	45294	5294	3.578	-14.51	0.475	0.211	-16.405	-947.454	1
45294_5295	45294	5295	-5.361	-44.465	-0.343	-0.663	13.28	1064.048	1
45295_5295	45295	5295	4.01	-18.245	0.451	-1.99	-13.181	-1056.044	1
45295_5296	45295	5296	-4.974	-40.054	-0.315	1.319	10.186	1170.081	1
45296_5296	45296	5296	4.27	-15.426	0.286	1.963	-9.844	-1142.303	1
45296_5297	45296	5297	-5.002	-45.745	-0.314	-2.568	8.726	1240.641	1
45297_5297	45297	5297	4.382	-17.329	0.296	0.859	-8.833	-1206.623	1
45297_5298	45297	5298	-5.082	-40.507	-0.29	-1.315	5.679	1372.683	1
45298_5298	45298	5298	4.604	-21.914	0.312	-1.991	-6.201	-1319.025	1
45298_5299	45298	5299	-5.151	-35.578	-0.255	1.533	3.15	1449.091	1
45299_5299	45299	5299	4.775	-18.552	0.003	2.509	-3.278	-1390.022	1
45299_5300	45299	5300	-5.228	-38.214	-0.011	-3.422	3.037	1581.091	1
45300_5300	45300	5300	4.935	-24.302	-0.018	-2.674	-3.17	-1523.558	1
45300_5301	45300	5301	-5.299	-31.685	0.005	2.05	3.006	1632.723	1
45301_5301	45301	5301	5.055	-21.662	0.092	2.624	-3.334	-1592.118	1
45301_5302	45301	5302	-5.354	-34.664	-0.08	-3.447	1.871	1717.241	1
45302_5302	45302	5302	5.152	-27.992	0.071	-3.18	-2.12	-1696.302	1
45302_5303	45302	5303	-5.373	-28.666	-0.055	2.47	1.14	1712.593	1
45303_5303	45303	5303	5.23	-24.395	0.038	3.019	-1.255	-1712.852	1
45303_5304	45303	5304	-5.34	-31.641	-0.014	-3.787	0.916	1744.741	1
45304_5304	45304	5304	5.306	-31.002	0.01	-3.897	-0.798	-1771.344	1
45304_5305	45304	5305	-5.239	-25.885	0.012	2.986	1.063	1689.366	1
45305_5305	45305	5305	5.354	-26.871	0.1	2.564	-0.786	-1742.332	1
45305_5306	45305	5306	-5.021	-29.214	-0.076	-2.992	0.186	1664.996	1
45306_5306	45306	5306	5.377	-33.051	0.079	-2.581	0.251	-1754.522	1
45306_5307	45306	5307	-4.646	-22.684	-0.054	1.792	-0.386	1540.758	1
45307_5307	45307	5307	5.353	-29.632	0.045	2.908	0.973	-1675.849	1
45307_5308	45307	5308	-4.064	-24.548	-0.02	-3.042	-0.484	1421.991	1
45308_5308	45308	5308	5.254	-35.994	0.021	-2.937	1.232	-1629.447	1
45308_5309	45308	5309	-3.17	-16.915	-0.001	1.72	-0.3	1166.44	1
45309_5309	45309	5309	5.039	-34.041	0.009	2.194	1.155	-1477.63	1
45309_5310	45309	5310	-2.115	-14.982	0.049	-1.724	0.475	879.362	1
45310_5310	45310	5310	4.67	-41.436	-0.058	-2.249	0.332	-1319.866	1
45310_5311	45310	5311	-1.356	-8.548	0.046	0.846	1.025	597.595	1
45311_5311	45311	5311	4.089	-44.63	0.065	0.92	-1.305	-1019.13	1
45311_5312	45311	5312	-0.723	-5.382	-0.026	-0.721	0.25	335.748	1
45312_5312	45312	5312	3.174	-54.752	0.058	-1.497	-0.633	-572.469	1
45312_5313	45312	5313	1.576	-2.342	-0.609	-0.18	0	9.046	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
5000_5000	5000	5000	1.809	18.379	-0.041	0.03	0	6.148	1
5000_5001	5000	5001	48.402	-47.583	0.032	-0.054	0.411	371.964	1
5001_5001	5001	5001	2.386	-2.52	0.027	-0.01	0.348	19.058	1
5001_5002	5001	5002	72.473	-39.895	0.039	0.046	0.887	555.399	1
5002_5002	5002	5002	4.408	-2.585	-0.027	-0.012	0.527	34.592	1
5002_5003	5002	5003	96.662	-33.076	-0.046	-0.115	0.394	739.169	1
5003_5003	5003	5003	6.981	-2.585	-0.027	0.007	0.2	54.094	1
5003_5004	5003	5004	109.133	-25.308	-0.049	0.121	-0.186	834.293	1
5004_5004	5004	5004	9.552	-2.573	0.003	-0.012	-0.127	73.578	1
5004_5005	5004	5005	121.408	-27.718	0.006	-0.078	-0.144	927.612	1
5005_5005	5005	5005	12.107	-2.575	0.003	0.007	-0.089	92.994	1
5005_5006	5005	5006	125.006	-20.979	0.006	0.098	-0.082	954.964	1
5006_5006	5006	5006	14.672	-2.598	-0.003	-0.024	-0.054	112.431	1
5006_5007	5006	5007	131.591	-24.846	-0.006	-0.171	-0.156	1004.816	1
5007_5007	5007	5007	17.242	-2.602	-0.002	0.024	-0.085	132.035	1
5007_5008	5007	5008	130.525	-18.371	-0.005	0.167	-0.232	996.606	1
5008_5008	5008	5008	19.821	-2.662	0.001	-0.029	-0.113	151.678	1
5008_5009	5008	5009	133.079	-22.382	0.003	-0.176	-0.206	1015.788	1
5009_5009	5009	5009	22.471	-2.662	0.001	0.034	-0.105	171.764	1
5009_5010	5009	5010	128.285	-2.857	0.003	0.186	-0.156	979.614	1
5010_5010	5010	5010	25.122	-2.769	-0.002	0.004	-0.096	191.85	1
5010_5011	5010	5011	128.237	-7.054	-0.006	0.01	-0.237	979.076	1
5011_5011	5011	5011	27.877	-2.769	-0.002	0.004	-0.118	212.736	1
5011_5012	5011	5012	120.816	-0.237	-0.005	0.007	-0.307	922.637	1
5012_5012	5012	5012	30.634	-2.978	0	-0.014	-0.14	233.627	1
5012_5013	5012	5013	116.93	-4.155	0.013	-0.061	-0.153	892.991	1
5013_5013	5013	5013	33.594	-2.99	0.001	0.027	-0.132	256.124	1
5013_5014	5013	5014	105.866	2.68	0.012	0.076	-0.01	808.942	1
5014_5014	5014	5014	36.568	-3.258	-0.004	-0.014	-0.124	278.666	1
5014_5015	5014	5015	93.533	1.806	-0.021	-0.04	-0.372	715.182	1
5015_5015	5015	5015	44.586	-3.159	-0.003	0.02	-0.135	318.633	1
5015_5016	5015	5016	89.254	-6.88	-0.012	0.037	-0.317	657.434	1
5016_5016	5016	5016	45.965	-3.627	0.003	-0.016	-0.164	337.116	1
5016_5017	5016	5017	71.648	-8.349	0.008	-0.027	-0.205	586.354	1
5017_5017	5017	5017	45.308	-3.54	0.003	0.027	-0.127	373.86	1
5017_5018	5017	5018	44.999	-1.9	0.008	0.029	-0.087	458.218	1
5018_5018	5018	5018	41.544	-4.103	-0.003	-0.023	-0.087	418.685	1
5018_5019	5018	5019	24.525	0.163	-0.001	-0.014	-0.102	318.792	1
5019_5019	5019	5019	36.869	-4.211	-0.003	0.042	-0.112	469.66	1
5019_5020	5019	5020	11.155	-0.858	-0.002	0.017	-0.106	182.796	1
5020_5020	5020	5020	41.711	23.377	-0.005	-0.007	0.059	351.606	1
5020_5021	5020	5021	67.079	-30.06	0.015	-0.013	-0.263	294.074	1
5021_5021	5021	5021	25.216	15.493	-0.003	-0.003	-0.042	224.401	1
5021_5022	5021	5022	72.436	-25.999	0.011	-0.01	-0.106	344.61	1
5022_5022	5022	5022	12.581	11.205	0	0.014	-0.095	159.777	1
5022_5023	5022	5023	74.975	-21.612	0.007	0.021	-0.044	384.062	1
5023_5023	5023	5023	0.796	7.807	0.002	0.006	-0.13	116.097	1
5023_5024	5023	5024	78.624	-21.924	0.003	0.009	-0.005	429.57	1
5024_5024	5024	5024	-7.407	0.309	-0.001	-0.01	-0.193	107.567	1
5024_5025	5024	5025	79.664	-17.094	0.005	-0.052	0.04	455.225	1
5025_5025	5025	5025	-7.637	0.309	0.008	0.017	-0.2	106.022	1
5025_5026	5025	5026	78.409	-11.863	0.001	0.053	0.047	460.961	1
5026_5026	5026	5026	-7.489	-0.038	0.004	0	-0.139	104.526	1
5026_5027	5026	5027	79.923	-16.014	0.002	-0.01	0.062	479.228	1
5027_5027	5027	5027	-7.468	-0.038	0.004	-0.002	-0.114	104.667	1
5027_5028	5027	5028	80.136	-12.093	0.002	-0.021	0.069	486.297	1
5028_5028	5028	5028	-6.652	-0.039	0.004	0	-0.09	104.812	1
5028_5029	5028	5029	78.255	-8.043	0.001	-0.017	0.072	477.52	1
5029_5029	5029	5029	-6.63	-0.039	0.009	0.016	-0.064	104.96	1
5029_5030	5029	5030	76.436	-14.281	-0.003	0.047	0.035	457.063	1
5030_5030	5030	5030	-6.608	-0.565	0.006	-0.005	-0.009	105.108	1
5030_5031	5030	5031	76.877	-16.84	-0.002	-0.036	0.01	450.017	1
5031_5031	5031	5031	-6.954	-0.603	0.01	0.008	0.042	108.113	1
5031_5032	5031	5032	74.886	-12.007	-0.005	0.013	-0.036	423.052	1
5032_5032	5032	5032	-6.864	-0.619	0.01	0.008	0.124	111.203	1
5032_5033	5032	5033	70.228	-7.659	-0.006	0.009	-0.095	376.374	1
5033_5033	5033	5033	-6.401	-1.257	0.012	-0.002	0.206	114.307	1
5033_5034	5033	5034	66.646	-7.931	-0.008	-0.007	-0.171	335.809	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5034_5034	5034	5034	8.988	-11.115	0.002	-0.008	-0.13	153.069	1
5034_5035	5034	5035	60.868	-3.974	-0.009	-0.01	-0.261	281.239	1
5035_5035	5035	5035	21.164	-15.48	0.005	0.018	-0.086	229.41	1
5035_5036	5035	5036	52.383	-0.044	-0.017	0.014	-0.537	207.527	1
5036_5036	5036	5036	57.191	22.951	0.006	-0.054	0.398	635.012	1
5036_5037	5036	5037	10.892	-33.968	-0.001	-0.06	-0.164	291.728	1
5037_5037	5037	5037	51.173	18.894	0.001	0.075	0.461	438.154	1
5037_5038	5037	5038	28.074	-27.654	0.003	0.024	-0.185	415.507	1
5038_5038	5038	5038	26.12	4.984	-0.007	-0.041	-0.179	371.891	1
5038_5039	5038	5039	49.065	-24.869	-0.005	-0.066	-0.271	524.939	1
5039_5039	5039	5039	28.48	4.656	-0.004	0.03	-0.275	315.62	1
5039_5040	5039	5040	62.697	-18.364	-0.001	0.041	-0.341	568.25	1
5040_5040	5040	5040	27.372	3.812	0.007	-0.014	-0.321	275.057	1
5040_5041	5040	5041	71.428	-22.099	0.008	-0.032	-0.285	618.474	1
5041_5041	5041	5041	29.587	3.712	0.004	0.004	-0.124	233.553	1
5041_5042	5041	5042	86.869	-12.844	0.004	0.008	-0.075	609.946	1
5042_5042	5042	5042	23.939	3.217	-0.001	0	-0.063	198.533	1
5042_5043	5042	5043	95.565	-16.561	-0.002	0	-0.098	662.395	1
5043_5043	5043	5043	20.123	3.217	-0.001	0	-0.079	175.427	1
5043_5044	5043	5044	97.442	-9.188	-0.002	-0.001	-0.125	671.557	1
5044_5044	5044	5044	16.307	3.021	0.001	0.001	-0.094	152.325	1
5044_5045	5044	5045	104.944	-24.077	0	0.003	-0.114	708.886	1
5045_5045	5045	5045	12.722	3.021	0.001	0	-0.085	130.612	1
5045_5046	5045	5046	102.879	-16.967	0	-0.002	-0.114	694.561	1
5046_5046	5046	5046	16.047	-3.11	0	-0.01	-0.059	115.564	1
5046_5047	5046	5047	105.142	-9.878	0	-0.048	-0.108	710.021	1
5047_5047	5047	5047	19.738	-3.11	0	0.009	-0.06	137.911	1
5047_5048	5047	5048	99.689	-13.717	0.002	0.04	-0.084	673.219	1
5048_5048	5048	5048	23.425	-3.229	0	-0.013	-0.056	160.238	1
5048_5049	5048	5049	98.257	-17.276	0.002	-0.046	-0.062	663.651	1
5049_5049	5049	5049	27.256	-3.229	0.001	0.014	-0.05	183.435	1
5049_5050	5049	5050	89.818	-10.601	0.003	0.04	-0.02	610.434	1
5050_5050	5050	5050	30.896	-3.532	0.001	-0.01	-0.037	206.701	1
5050_5051	5050	5051	84.193	-12.743	-0.002	-0.023	-0.046	571.183	1
5051_5051	5051	5051	34.569	-3.486	0.002	0.027	-0.027	249.302	1
5051_5052	5051	5052	70.679	-7.452	-0.001	0.053	-0.056	543.546	1
5052_5052	5052	5052	36.36	-3.924	-0.001	-0.031	-0.016	268.656	1
5052_5053	5052	5053	58.309	-9.151	-0.002	-0.052	-0.056	500.47	1
5053_5053	5053	5053	33.278	-4.09	0	0.059	-0.03	322.645	1
5053_5054	5053	5054	32.572	-2.721	0.001	0.071	-0.064	423.702	1
5054_5054	5054	5054	31.006	-4.596	0	-0.054	-0.036	369.786	1
5054_5055	5054	5055	16.815	-0.548	0	-0.037	-0.05	299.861	1
5055_5055	5055	5055	47.579	-18.024	-0.004	0.051	0.131	423.96	1
5055_5056	5055	5056	9.778	-0.878	0	0.025	-0.035	151.084	1
5056_5056	5056	5056	34.27	22.935	-0.003	0.005	0.05	323.164	1
5056_5057	5056	5057	63.633	-29.928	0.007	-0.004	-0.126	309.722	1
5057_5057	5057	5057	17.677	15.266	-0.003	-0.013	-0.01	210.319	1
5057_5058	5057	5058	68.987	-25.825	0.006	-0.034	-0.054	372.747	1
5058_5058	5058	5058	3.887	9.229	-0.001	0.023	-0.06	149.347	1
5058_5059	5058	5059	72.04	-21.313	0.004	0.046	-0.021	417.48	1
5059_5059	5059	5059	-7.58	0.881	-0.011	-0.046	0.03	131.585	1
5059_5060	5059	5060	76.018	-21.714	0.006	-0.137	0.035	467.957	1
5060_5060	5060	5060	-8.189	0.881	-0.004	0.012	-0.058	126.96	1
5060_5061	5060	5061	77.456	-16.819	0.002	0.064	0.052	496.768	1
5061_5061	5061	5061	-8.797	0.881	-0.004	0.012	-0.092	122.342	1
5061_5062	5061	5062	76.616	-11.542	0.002	0.059	0.066	503.659	1
5062_5062	5062	5062	-8.87	0.264	-0.005	-0.025	-0.126	117.756	1
5062_5063	5062	5063	77.138	-25.975	0	-0.073	0.062	524.112	1
5063_5063	5063	5063	-9.007	0.264	-0.006	-0.027	-0.157	116.719	1
5063_5064	5063	5064	78.498	-21.947	0	-0.091	0.063	531.94	1
5064_5064	5064	5064	-9.143	0.264	-0.001	0.011	-0.191	115.684	1
5064_5065	5064	5065	77.097	-7.97	-0.001	0.081	0.066	523.121	1
5065_5065	5065	5065	-9.28	0.264	-0.001	0.011	-0.195	114.647	1
5065_5066	5065	5066	76.066	-14.406	-0.002	0.06	0.038	502.344	1
5066_5066	5066	5066	-9.416	-0.114	-0.002	-0.017	-0.199	113.615	1
5066_5067	5066	5067	76.686	-17.168	-0.002	-0.034	0.018	494.825	1
5067_5067	5067	5067	-9.859	-0.128	-0.002	-0.017	-0.219	114.275	1
5067_5068	5067	5068	75.043	-12.286	-0.002	-0.041	-0.006	465.603	1
5068_5068	5068	5068	-9.094	-0.5	0.008	0.027	0.05	115.119	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5068_5069	5068	5069	70.9	-7.883	-0.005	0.058	-0.052	415.089	1
5069_5069	5069	5069	-8.747	-1.034	0.007	-0.021	0.115	117.746	1
5069_5070	5069	5070	67.754	-8.245	-0.004	-0.075	-0.089	370.883	1
5070_5070	5070	5070	3.692	-9.383	0.002	0.001	-0.108	152.825	1
5070_5071	5070	5071	62.296	-4.165	-0.007	0.01	-0.157	310.325	1
5071_5071	5071	5071	17.533	-15.36	0.004	0.024	-0.052	216.671	1
5071_5072	5071	5072	54.372	-0.082	-0.012	0.029	-0.317	225.147	1
5072_5072	5072	5072	49.196	25.862	0.002	-0.037	0.235	582.222	1
5072_5073	5072	5073	12.426	-34.106	0.001	-0.06	-0.128	302.846	1
5073_5073	5073	5073	26.723	4.798	0.003	0.058	-0.164	432.62	1
5073_5074	5073	5074	29.435	-27.58	0.003	0.023	-0.127	430.377	1
5074_5074	5074	5074	30.129	4.16	0	-0.069	-0.122	379.367	1
5074_5075	5074	5075	50.102	-24.711	0.002	-0.11	-0.12	544.295	1
5075_5075	5075	5075	36.766	3.863	0.001	0.038	-0.091	312.408	1
5075_5076	5075	5076	70.595	-17.959	0.004	0.053	-0.07	558.722	1
5076_5076	5076	5076	36.279	3.312	-0.001	-0.025	-0.072	278.007	1
5076_5077	5076	5077	80.814	-21.893	-0.002	-0.056	-0.087	613.247	1
5077_5077	5077	5077	31.976	3.363	-0.001	0.02	-0.119	263.868	1
5077_5078	5077	5078	80.846	-13.544	0.001	0.042	-0.139	672.847	1
5078_5078	5078	5078	28.121	3.079	0	-0.033	-0.137	233.749	1
5078_5079	5078	5079	90.881	-28.321	-0.003	-0.117	-0.163	738.659	1
5079_5079	5079	5079	25.129	3.079	0.001	0.034	-0.134	212.06	1
5079_5080	5079	5080	93.729	-21.656	-0.001	0.096	-0.169	756.554	1
5080_5080	5080	5080	22.138	2.925	0	-0.027	-0.118	190.375	1
5080_5081	5080	5081	100.399	-25.479	0	-0.131	-0.166	802.901	1
5081_5081	5081	5081	19.295	2.925	0.001	0.027	-0.117	169.77	1
5081_5082	5081	5082	99.934	-18.844	0.003	0.102	-0.131	798.457	1
5082_5082	5082	5082	16.454	2.848	0.001	0.001	-0.105	149.171	1
5082_5083	5082	5083	103.568	-22.497	-0.001	-0.002	-0.136	824.745	1
5083_5083	5083	5083	14.253	-2.752	0	0	-0.091	128.208	1
5083_5084	5083	5084	99.511	-3.78	-0.001	0.004	-0.146	795.363	1
5084_5084	5084	5084	17.127	-2.81	-0.001	-0.026	-0.091	149.044	1
5084_5085	5084	5085	99.807	-8.283	0	-0.121	-0.144	797.491	1
5085_5085	5085	5085	19.857	-2.81	0	0.028	-0.102	168.835	1
5085_5086	5085	5086	92.967	-1.312	0.003	0.123	-0.113	748.787	1
5086_5086	5086	5086	22.347	-2.961	0.002	-0.034	-0.103	188.657	1
5086_5087	5086	5087	90.078	-5.513	0.003	-0.116	-0.079	729.436	1
5087_5087	5087	5087	25.223	-2.961	0.003	0.035	-0.082	209.508	1
5087_5088	5087	5088	81.004	-10.527	0.005	0.097	-0.019	667.109	1
5088_5088	5088	5088	28.102	-3.196	-0.002	-0.02	-0.05	230.381	1
5088_5089	5088	5089	75.17	-12.329	-0.003	-0.051	-0.066	621.827	1
5089_5089	5089	5089	31.309	-3.158	-0.001	0.043	-0.065	270.216	1
5089_5090	5089	5090	64.865	-7.83	-0.001	0.083	-0.067	594.764	1
5090_5090	5090	5090	32.634	-3.607	-0.001	-0.061	-0.075	288.772	1
5090_5091	5090	5091	52.757	-9.449	-0.001	-0.104	-0.072	542.7	1
5091_5091	5091	5091	31.997	-3.729	0.001	0.061	-0.098	326.527	1
5091_5092	5091	5092	31.384	-2.737	0.002	0.072	-0.066	431.728	1
5092_5092	5092	5092	29.428	-4.276	-0.001	-0.024	-0.096	370.698	1
5092_5093	5092	5093	15.686	-0.658	-0.001	-0.016	-0.086	302.112	1
5093_5093	5093	5093	25.907	-4.523	0	0.04	-0.097	420.532	1
5093_5094	5093	5094	2.374	4.481	0.001	0.018	-0.073	126.591	1
5094_5094	5094	5094	32.816	22.439	-0.001	-0.012	0.01	323.119	1
5094_5095	5094	5095	61.319	-30.009	0.008	-0.031	-0.129	309.561	1
5095_5095	5095	5095	15.753	14.933	0	-0.003	-0.043	215.846	1
5095_5096	5095	5096	64.449	-25.906	0.007	-0.021	-0.083	381.574	1
5096_5096	5096	5096	2.715	9.058	0.004	0.035	-0.09	153.989	1
5096_5097	5096	5097	67.066	-21.284	0.002	0.06	-0.061	427.056	1
5097_5097	5097	5097	-10.002	0.559	-0.006	-0.016	0.063	127.975	1
5097_5098	5097	5098	70.673	-21.878	0.003	-0.028	-0.032	479.426	1
5098_5098	5098	5098	-10.361	0.559	-0.006	-0.016	0.018	124.939	1
5098_5099	5098	5099	71.884	-16.879	0.002	-0.037	-0.01	509.03	1
5099_5099	5099	5099	-9.72	0.521	0	0.013	-0.028	121.974	1
5099_5100	5099	5100	70.94	-11.493	0	0.076	-0.008	515.286	1
5100_5100	5100	5100	-10.055	0.032	0.001	0.032	-0.03	119.146	1
5100_5101	5100	5101	71.465	-26.162	-0.003	0.161	-0.014	537.157	1
5101_5101	5101	5101	-10.07	0.032	0.008	0.071	-0.025	119.017	1
5101_5102	5101	5102	72.816	-22.058	-0.006	0.356	-0.049	545.819	1
5102_5102	5102	5102	-10.085	0.032	-0.021	-0.085	0.024	118.887	1
5102_5103	5102	5103	72.334	-18.077	0.004	-0.318	-0.032	536.973	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5103_5103	5103	5103	-10.1	0.032	-0.014	-0.047	-0.1	118.758	1
5103_5104	5103	5104	70.672	-14.396	0.001	-0.13	-0.032	515.51	1
5104_5104	5104	5104	-10.116	-0.281	-0.008	-0.027	-0.182	118.63	1
5104_5105	5104	5105	71.516	-17.434	0	-0.085	-0.04	509.222	1
5105_5105	5105	5105	-9.237	-0.604	0.006	0.015	0.074	120.503	1
5105_5106	5105	5106	70.204	-12.438	-0.003	0.028	-0.069	479.599	1
5106_5106	5106	5106	-8.85	-0.604	0.006	0.016	0.123	123.778	1
5106_5107	5106	5107	66.495	-7.933	-0.004	0.023	-0.107	427.11	1
5107_5107	5107	5107	-8.461	-1.146	0.005	-0.005	0.174	127.059	1
5107_5108	5107	5108	63.781	-8.415	-0.004	-0.018	-0.153	381.579	1
5108_5108	5108	5108	2.24	-9.028	-0.001	-0.019	-0.122	154.776	1
5108_5109	5108	5109	58.77	-4.213	-0.005	-0.027	-0.206	318.159	1
5109_5109	5109	5109	16.32	-14.853	0.002	0.023	-0.051	211.835	1
5109_5110	5109	5110	52.717	-0.012	-0.009	0.023	-0.286	223.059	1
5110_5110	5110	5110	47.776	24.772	0.002	-0.04	0.242	583.64	1
5110_5111	5110	5111	12.383	-33.992	0.001	-0.056	-0.129	306.936	1
5111_5111	5111	5111	25.89	4.802	0.002	0.055	-0.181	431.626	1
5111_5112	5111	5112	28.873	-27.274	0.004	0.024	-0.113	433.752	1
5112_5112	5112	5112	29.336	4.167	-0.002	-0.041	-0.148	378.521	1
5112_5113	5112	5113	48.85	-24.474	-0.003	-0.066	-0.168	547.077	1
5113_5113	5113	5113	32.6	3.985	-0.001	0.04	-0.145	327.046	1
5113_5114	5113	5114	62.111	-17.536	-0.001	0.054	-0.172	585.087	1
5114_5114	5114	5114	32.24	3.511	0.004	-0.011	-0.156	290.79	1
5114_5115	5114	5115	70.317	-21.572	0.007	-0.023	-0.116	635.848	1
5115_5115	5115	5115	34.089	3.517	0.004	0.003	-0.101	243.415	1
5115_5116	5115	5116	83.534	-12.792	0.007	0.005	-0.001	605.623	1
5116_5116	5116	5116	29.69	3.202	-0.002	-0.011	-0.052	213.541	1
5116_5117	5116	5117	91.3	-16.792	-0.006	-0.037	-0.059	655.501	1
5117_5117	5117	5117	26.333	3.202	-0.001	0.011	-0.07	192.041	1
5117_5118	5117	5118	92.994	-9.669	-0.005	0.033	-0.114	664.996	1
5118_5118	5118	5118	22.975	3.084	0.001	-0.007	-0.084	170.542	1
5118_5119	5118	5119	99.129	-14.103	0.004	-0.038	-0.073	702.63	1
5119_5119	5119	5119	19.741	3.084	0.002	0.01	-0.069	149.834	1
5119_5120	5119	5120	98.094	-6.948	0.005	0.038	-0.018	694.424	1
5120_5120	5120	5120	16.507	3.023	0	-0.016	-0.049	129.126	1
5120_5121	5120	5121	102.057	-11.185	-0.003	-0.113	-0.052	718.753	1
5121_5121	5121	5121	13.1	3.023	0.001	0.018	-0.052	107.306	1
5121_5122	5121	5122	96.983	-3.444	0	0.105	-0.051	686.17	1
5122_5122	5122	5122	10.129	-2.052	-0.001	-0.006	-0.018	95.736	1
5122_5123	5122	5123	96.793	-8.235	0.001	-0.037	-0.035	685.827	1
5123_5123	5123	5123	12.281	-2.052	0	0.007	-0.025	109.515	1
5123_5124	5123	5124	88.689	-1.022	0.002	0.037	-0.012	635.705	1
5124_5124	5124	5124	14.272	-2.206	0	-0.015	-0.027	123.303	1
5124_5125	5124	5125	85.115	-5.427	0	-0.068	-0.015	615.33	1
5125_5125	5125	5125	16.546	-2.208	0.001	0.016	-0.022	138.121	1
5125_5126	5125	5126	74.444	-9.64	0.003	0.056	0.014	553.72	1
5126_5126	5126	5126	18.861	-2.488	0	-0.01	-0.006	152.946	1
5126_5127	5126	5127	68.217	-11.699	0	-0.03	0.025	512.159	1
5127_5127	5127	5127	22.771	-2.491	0	0.013	-0.009	175.785	1
5127_5128	5127	5128	61.008	-7.086	0.001	0.03	0.032	468.676	1
5128_5128	5128	5128	24.153	-3.018	0	-0.02	-0.007	189.388	1
5128_5129	5128	5129	49.061	-9.004	0	-0.04	0.034	426.497	1
5129_5129	5129	5129	21.705	-3.268	0.001	0.041	-0.005	231.884	1
5129_5130	5129	5130	24.484	-2.318	0.005	0.054	0.102	349.368	1
5130_5130	5130	5130	42.699	-13.841	-0.001	-0.029	0.008	313.114	1
5130_5131	5130	5131	10.718	-1.219	-0.011	-0.017	-0.027	236.063	1
5131_5131	5131	5131	49.414	-17.834	0	0.031	0.019	461.71	1
5131_5132	5131	5132	13.153	-2.631	-0.002	0.008	-0.069	145.095	1
5132_5132	5132	5132	36.266	23.547	0	0.016	0.047	321.266	1
5132_5133	5132	5133	59.945	-30.242	-0.007	0.138	-0.08	265.615	1
5133_5133	5133	5133	21.526	16.108	0.002	0.068	0.03	194.642	1
5133_5134	5133	5134	66.41	-25.831	-0.01	0.168	-0.131	318.138	1
5134_5134	5134	5134	-7.344	1.836	-0.021	-0.135	0.217	136.515	1
5134_5135	5134	5135	69.497	-21.076	0.018	-0.252	0.031	359.113	1
5135_5135	5135	5135	-7.914	1.333	-0.001	-0.01	0.061	127.72	1
5135_5136	5135	5136	74.137	-22.285	-0.004	-0.025	0.007	409.717	1
5136_5136	5136	5136	-8.899	1.333	0.002	0.008	0.05	120.998	1
5136_5137	5136	5137	75.789	-17.164	-0.005	0.037	-0.036	438.085	1
5137_5137	5137	5137	-9.884	1.333	-0.001	-0.009	0.069	114.275	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5137_5138	5137	5138	74.724	-11.645	-0.003	-0.025	-0.06	444.038	1
5138_5138	5138	5138	-9.879	0.813	-0.004	-0.012	0.056	107.693	1
5138_5139	5138	5139	75.094	-25.783	0.002	-0.046	-0.033	467.802	1
5139_5139	5139	5139	-10.329	0.813	0.001	0.008	0.031	104.616	1
5139_5140	5139	5140	76.507	-21.544	0.001	0.045	-0.027	476.861	1
5140_5140	5140	5140	-10.78	0.813	-0.004	-0.012	0.035	101.54	1
5140_5141	5140	5141	75.667	-17.437	0.002	-0.046	-0.017	468.986	1
5141_5141	5141	5141	-11.459	0.811	0.001	0.008	0.01	98.464	1
5141_5142	5141	5142	73.362	-13.647	0	0.038	-0.014	448.99	1
5142_5142	5142	5142	-11.909	0.527	-0.003	-0.002	0.015	95.393	1
5142_5143	5142	5143	73.953	-16.898	0	-0.002	-0.02	444.478	1
5143_5143	5143	5143	-2.897	-1.699	-0.002	0	0.022	97.093	1
5143_5144	5143	5144	71.829	-11.77	0	-0.002	-0.023	417.441	1
5144_5144	5144	5144	-1.88	-1.706	-0.002	0	0.009	105.668	1
5144_5145	5144	5145	66.732	-7.151	0	-0.002	-0.025	368.139	1
5145_5145	5145	5145	-0.622	-2.395	0.002	0.008	-0.004	114.268	1
5145_5146	5145	5146	62.784	-7.614	0.001	0.01	-0.014	325.358	1
5146_5146	5146	5146	6.9	-10.056	-0.002	0.01	-0.006	139.214	1
5146_5147	5146	5147	56.247	-3.338	0.001	0.013	-0.005	265.941	1
5147_5147	5147	5147	19.14	-15.846	-0.003	-0.028	-0.015	208.154	1
5147_5148	5147	5148	46.495	0.912	0.003	-0.026	0.02	183.461	1
5148_5148	5148	5148	61.487	23.087	0	-0.026	0.028	599.43	1
5148_5149	5148	5149	7.065	-33.486	-0.001	-0.019	0.012	269.555	1
5149_5149	5149	5149	55.766	17.138	-0.002	0.028	0.026	411.723	1
5149_5150	5149	5150	22.369	-26.835	0	0.012	-0.004	384.725	1
5150_5150	5150	5150	21.769	4.807	-0.001	-0.01	-0.031	329.6	1
5150_5151	5150	5151	40.673	-23.942	0	-0.012	0.001	483.668	1
5151_5151	5151	5151	26.984	4.345	0	0.002	-0.035	258.694	1
5151_5152	5151	5152	58.352	-17.158	0	0.003	0.001	481.59	1
5152_5152	5152	5152	25.644	3.752	0	-0.001	-0.04	222.771	1
5152_5153	5152	5153	66.35	-21.087	0	-0.001	-0.002	523.02	1
5153_5153	5153	5153	25.35	3.685	0	0	-0.032	193.294	1
5153_5154	5153	5154	74.657	-12.648	0	-0.001	-0.005	523.696	1
5154_5154	5154	5154	20.269	3.432	0	0	-0.03	163.695	1
5154_5155	5154	5155	81.47	-16.202	0	-0.001	-0.007	564.812	1
5155_5155	5155	5155	16.365	3.432	0	0	-0.029	141.562	1
5155_5156	5155	5156	81.787	-9.041	0	-0.001	-0.009	567.329	1
5156_5156	5156	5156	12.461	3.338	0	0	-0.028	119.429	1
5156_5157	5156	5157	85.79	-13.151	-0.001	-0.001	-0.017	590.159	1
5157_5157	5157	5157	9.005	3.338	0	0	-0.029	99.838	1
5157_5158	5157	5158	83.427	-6.607	-0.001	-0.002	-0.027	576.591	1
5158_5158	5158	5158	5.828	3.309	0.001	0.002	-0.029	80.287	1
5158_5159	5158	5159	85.327	-20.538	0.001	0.019	-0.013	588.188	1
5159_5159	5159	5159	6.934	-2.921	-0.001	-0.003	-0.022	88.884	1
5159_5160	5159	5160	81.122	-14.378	-0.001	-0.016	-0.019	564.549	1
5160_5160	5160	5160	9.959	-3.045	0	0	-0.027	106.03	1
5160_5161	5160	5161	80.563	-17.491	0.001	-0.001	-0.012	561.053	1
5161_5161	5161	5161	13.423	-3.045	0	0	-0.023	125.67	1
5161_5162	5161	5162	73.531	-11.02	0.001	-0.001	0	519.088	1
5162_5162	5162	5162	16.889	-3.347	-0.002	-0.003	-0.02	145.312	1
5162_5163	5162	5163	69.795	-12.577	-0.003	-0.01	-0.046	492.339	1
5163_5163	5163	5163	20.258	-3.437	-0.002	0.007	-0.052	178.177	1
5163_5164	5163	5164	58.511	-8.082	-0.003	0.016	-0.071	466.298	1
5164_5164	5164	5164	22.417	-4.088	0.002	0.011	-0.067	196.268	1
5164_5165	5164	5165	47.613	-9.559	0.003	0.021	-0.041	430.572	1
5165_5165	5165	5165	21.868	-4.461	0.001	-0.015	-0.048	241.234	1
5165_5166	5165	5166	24.83	-3.107	0.001	-0.021	-0.022	354.177	1
5166_5166	5166	5166	20.783	-5.366	-0.001	-0.017	-0.029	287.888	1
5166_5167	5166	5167	9.746	-0.897	-0.001	-0.012	-0.024	242.128	1
5167_5167	5167	5167	59.815	-16.765	-0.001	0.021	0.052	422.007	1
5167_5168	5167	5168	20.163	-2.056	0	0.005	0.011	144.886	1
5168_5168	5168	5168	41.551	22.79	0	-0.016	-0.012	325.134	1
5168_5169	5168	5169	58.814	-30.674	0.001	-0.014	-0.018	260.011	1
5169_5169	5169	5169	23.256	16.524	0.001	0.014	-0.013	199.334	1
5169_5170	5169	5170	66.534	-26.488	-0.001	0.022	-0.018	314.787	1
5170_5170	5170	5170	8.601	10.496	0	-0.004	-0.012	134.811	1
5170_5171	5170	5171	71.115	-21.951	0	-0.017	-0.014	357.752	1
5171_5171	5171	5171	0.455	1.636	0.001	0.009	0.02	114.92	1
5171_5172	5171	5172	76.782	-22.298	-0.001	0.036	-0.015	406.386	1

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5172_5172	5172	5172	-0.827	1.636	-0.001	-0.006	0.028	106.957	1
5172_5173	5172	5173	79.464	-17.337	0	-0.016	-0.01	434.83	1
5173_5173	5173	5173	-1.865	1.632	-0.001	-0.006	0.021	99.012	1
5173_5174	5173	5174	79.399	-11.973	0	-0.015	-0.007	442.738	1
5174_5174	5174	5174	-3.144	1.113	0.001	0.007	0.015	91.068	1
5174_5175	5174	5175	81.707	-25.821	-0.001	0.04	-0.002	462.783	1
5175_5175	5175	5175	-3.798	1.113	-0.001	-0.009	0.02	87.007	1
5175_5176	5175	5176	82.865	-12.353	0	-0.044	-0.003	471.083	1
5176_5176	5176	5176	-4.451	1.113	0.001	0.006	0.011	82.946	1
5176_5177	5176	5177	81.497	-8.226	0	0.04	-0.005	463.637	1
5177_5177	5177	5177	-9.186	-0.939	-0.001	-0.006	-0.026	86.27	1
5177_5178	5177	5178	80.937	-13.969	0	-0.035	0	443.534	1
5178_5178	5178	5178	-8.374	-1.516	0	-0.003	-0.031	89.696	1
5178_5179	5178	5179	81.53	-16.667	0	-0.017	0.003	436.108	1
5179_5179	5179	5179	-7.441	-1.524	0	-0.003	-0.027	97.109	1
5179_5180	5179	5180	79.37	-11.716	0	-0.019	0.005	408.251	1
5180_5180	5180	5180	-6.247	-1.524	0.003	0.011	-0.023	104.526	1
5180_5181	5180	5181	74.208	-7.254	-0.001	0.028	-0.003	360.174	1
5181_5181	5181	5181	-5.053	-2.172	-0.001	-0.004	-0.001	111.944	1
5181_5182	5181	5182	70.045	-7.476	0	-0.022	-0.003	317.436	1
5182_5182	5182	5182	10.478	-10.527	0	0.014	-0.004	132.752	1
5182_5183	5182	5183	63.334	-3.401	-0.001	0.022	-0.013	260.012	1
5183_5183	5183	5183	23.263	-16.598	0	-0.015	0.002	201.824	1
5183_5184	5183	5184	53.99	0.666	0.001	-0.011	-0.007	179.032	1
5184_5184	5184	5184	62.845	25.721	0	0.024	-0.019	626.989	1
5184_5185	5184	5185	9.129	-34.341	0	0.012	0.004	232.739	1
5185_5185	5185	5185	55.29	19.343	0.001	-0.02	-0.022	420.48	1
5185_5186	5185	5186	26.61	-28.109	-0.001	-0.009	-0.002	350.471	1
5186_5186	5186	5186	24.161	3.866	-0.001	0.005	-0.009	273.596	1
5186_5187	5186	5187	48.127	-25.045	-0.001	0.011	-0.019	455.285	1
5187_5187	5187	5187	27.488	3.609	-0.001	-0.006	-0.015	223.022	1
5187_5188	5187	5188	65.903	-18.519	-0.002	-0.009	-0.033	481.413	1
5188_5188	5188	5188	26.428	3.073	0	-0.002	-0.026	193.148	1
5188_5189	5188	5189	75.726	-21.666	0	-0.004	-0.038	529.385	1
5189_5189	5189	5189	25.082	3.089	0	-0.001	-0.025	179.374	1
5189_5190	5189	5190	83.497	-13.567	-0.001	-0.002	-0.045	577.074	1
5190_5190	5190	5190	20.74	2.826	0	-0.001	-0.028	153.624	1
5190_5191	5190	5191	91.551	-16.409	-0.001	-0.003	-0.062	626.156	1
5191_5191	5191	5191	17.683	2.821	0	-0.001	-0.032	134.803	1
5191_5192	5191	5192	93.365	-9.511	-0.001	-0.003	-0.078	636.691	1
5192_5192	5192	5192	14.554	2.701	0	-0.001	-0.036	115.993	1
5192_5193	5192	5193	98.26	-23.709	0	-0.004	-0.089	663.81	1
5193_5193	5193	5193	11.787	2.701	0	-0.001	-0.04	99.585	1
5193_5194	5193	5194	96.696	-17.654	0	-0.003	-0.096	654.496	1
5194_5194	5194	5194	12.104	-3.074	-0.001	-0.002	-0.09	95.444	1
5194_5195	5194	5195	98.7	-20.875	-0.002	-0.003	-0.114	666.519	1
5195_5195	5195	5195	15.256	-3.074	-0.001	-0.002	-0.104	114.14	1
5195_5196	5195	5196	94.707	-14.977	-0.002	-0.003	-0.134	642.705	1
5196_5196	5196	5196	18.408	-3.276	-0.001	-0.001	-0.117	132.835	1
5196_5197	5196	5197	93.708	-17.604	-0.001	-0.002	-0.145	636.17	1
5197_5197	5197	5197	21.738	-3.3	-0.001	-0.001	-0.126	154.798	1
5197_5198	5197	5198	86.648	-11.442	-0.001	-0.002	-0.152	592.221	1
5198_5198	5198	5198	25.448	-3.755	-0.001	0	-0.137	176.807	1
5198_5199	5198	5199	81.949	-12.534	-0.001	-0.001	-0.167	559.325	1
5199_5199	5199	5199	29.946	-3.716	-0.001	0.001	-0.158	203.335	1
5199_5200	5199	5200	71.205	-8.158	-0.001	0.001	-0.182	504.24	1
5200_5200	5200	5200	32.036	-4.341	-0.001	0.004	-0.163	222.674	1
5200_5201	5200	5201	58.204	-8.848	0	0.005	-0.174	461.648	1
5201_5201	5201	5201	30.433	-4.507	-0.001	0.004	-0.261	277.065	1
5201_5202	5201	5202	31.912	-2.776	0	0.002	-0.242	392.302	1
5202_5202	5202	5202	29.094	-5.288	-0.002	0.029	-0.271	325.423	1
5202_5203	5202	5203	15.399	-0.475	-0.001	0.023	-0.23	273.038	1
5203_5203	5203	5203	55.522	-19.185	0.002	-0.046	0.303	440.619	1
5203_5204	5203	5204	9.657	-0.95	-0.001	0.003	-0.152	134.996	1
5204_5204	5204	5204	41.552	24.819	-0.002	0.011	0.037	346.945	1
5204_5205	5204	5205	66.733	-30	0.006	0.017	-0.338	295.743	1
5205_5205	5205	5205	23.248	16.707	-0.001	-0.016	-0.064	222.979	1
5205_5206	5205	5206	73.531	-26.148	0.007	-0.024	-0.211	357.553	1
5206_5206	5206	5206	9.711	12.118	0.002	0.006	-0.123	154.211	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5206_5207	5206	5207	77.553	-21.974	0.005	0.022	-0.152	401.113	1
5207_5207	5207	5207	-4.176	1.011	-0.007	-0.009	0.277	123.713	1
5207_5208	5207	5208	82.408	-21.965	0.003	0.001	-0.107	449.18	1
5208_5208	5208	5208	-4.939	1.011	-0.007	-0.009	0.218	118.674	1
5208_5209	5208	5209	84.721	-17.341	0.003	0.001	-0.069	478.75	1
5209_5209	5209	5209	-5.702	1.011	-0.007	-0.009	0.159	113.635	1
5209_5210	5209	5210	84.752	-12.335	0.002	0	-0.039	489.757	1
5210_5210	5210	5210	-6.466	0.451	-0.004	0.001	0.1	108.596	1
5210_5211	5210	5211	86.036	-26.22	-0.001	0.045	0.007	511.058	1
5211_5211	5211	5211	-6.721	0.451	-0.008	-0.018	0.077	106.911	1
5211_5212	5211	5212	87.68	-22.325	0	-0.046	0.015	519.564	1
5212_5212	5212	5212	-6.976	0.451	-0.004	0	0.032	105.226	1
5212_5213	5212	5213	87.24	-18.539	-0.002	0.044	0.011	512.774	1
5213_5213	5213	5213	-8.377	0.421	-0.008	-0.018	0.012	103.587	1
5213_5214	5213	5214	85.456	-15.013	-0.001	-0.041	0.008	495.116	1
5214_5214	5214	5214	-8.616	0.072	-0.004	-0.015	-0.035	102.017	1
5214_5215	5214	5215	85.679	-16.892	-0.001	-0.03	0.003	486.164	1
5215_5215	5215	5215	-9.706	0.002	-0.001	-0.001	-0.067	101.748	1
5215_5216	5215	5216	83.603	-12.27	-0.003	0.033	-0.016	458.64	1
5216_5216	5216	5216	-11.736	-0.201	-0.004	-0.015	-0.072	101.979	1
5216_5217	5216	5217	78.949	-8.09	-0.001	-0.025	-0.029	412.46	1
5217_5217	5217	5217	-4.344	-6.549	-0.016	-0.065	-0.045	115.278	1
5217_5218	5217	5218	75.023	-8.006	-0.001	-0.097	-0.038	370.205	1
5218_5218	5218	5218	9.573	-11.669	-0.011	-0.05	-0.118	158.12	1
5218_5219	5218	5219	68.925	-4.232	-0.005	-0.065	-0.083	314.624	1
5219_5219	5219	5219	22.59	-16.695	-0.004	0.117	-0.17	224.081	1
5219_5220	5219	5220	60.274	-0.403	-0.019	0.123	-0.274	230.306	1
5220_5220	5220	5220	60.785	26.943	0.009	-0.067	-0.034	588.909	1
5220_5221	5220	5221	14.977	-34.078	0.003	-0.089	-0.048	297.035	1
5221_5221	5221	5221	31.709	5.665	0.007	0.074	-0.154	421.392	1
5221_5222	5221	5222	33.769	-28.328	0.007	0.024	0.019	418.429	1
5222_5222	5222	5222	34.762	4.994	-0.003	-0.094	-0.06	362.514	1
5222_5223	5222	5223	56.349	-25.226	-0.005	-0.156	-0.048	525.715	1
5223_5223	5223	5223	39.926	4.8	-0.001	0.052	-0.068	289.143	1
5223_5224	5223	5224	78.573	-19.103	0	0.072	-0.057	539.809	1
5224_5224	5224	5224	38.335	4.296	-0.003	-0.056	-0.073	250.163	1
5224_5225	5224	5225	88.85	-21.503	-0.005	-0.141	-0.092	588.087	1
5225_5225	5225	5225	33.785	4.39	-0.002	0.035	-0.103	241.841	1
5225_5226	5225	5226	90.577	-12.922	-0.003	0.073	-0.152	671.312	1
5226_5226	5226	5226	27.408	4.047	0	-0.048	-0.134	200.206	1
5226_5227	5226	5227	97.321	-26.818	-0.005	-0.201	-0.229	720.112	1
5227_5227	5227	5227	22.843	4.044	0.001	0.039	-0.14	170.73	1
5227_5228	5227	5228	97.856	-20.124	-0.001	0.126	-0.251	723.908	1
5228_5228	5228	5228	18.225	3.877	-0.003	-0.031	-0.132	141.241	1
5228_5229	5228	5229	101.071	-22.146	-0.008	-0.21	-0.351	744.428	1
5229_5229	5229	5229	15.708	-3.92	-0.004	0.023	-0.267	134.046	1
5229_5230	5229	5230	96.494	-15.589	-0.004	0.13	-0.413	714.559	1
5230_5230	5230	5230	19.824	-4.222	-0.005	-0.053	-0.312	162.735	1
5230_5231	5230	5231	94.56	-16.999	-0.007	-0.158	-0.514	700.147	1
5231_5231	5231	5231	24.628	-4.233	-0.004	0.024	-0.369	194.387	1
5231_5232	5231	5232	85.893	-10.667	-0.004	0.089	-0.566	640.546	1
5232_5232	5232	5232	29.59	-4.751	0.003	-0.069	-0.413	226.084	1
5232_5233	5232	5233	81.687	-12.703	0.006	-0.123	-0.497	608.89	1
5233_5233	5233	5233	33.449	-4.743	0.006	-0.012	-0.589	253.677	1
5233_5234	5233	5234	74.453	-9.169	0.012	-0.012	-0.685	571.745	1
5234_5234	5234	5234	36.001	-4.67	0.007	0.051	-0.547	274.839	1
5234_5235	5234	5235	62.75	-5.532	0.015	0.094	-0.555	516.39	1
5235_5235	5235	5235	37.528	-5.05	-0.046	-0.084	-0.495	300.301	1
5235_5236	5235	5236	55.137	-6.533	-0.09	-0.102	-1.028	484.485	1
5236_5236	5236	5236	31.591	-5.329	-0.068	0.012	-1.159	354.751	1
5236_5237	5236	5237	33.299	-3.254	-0.13	0.034	-2.7	464.545	1
5237_5237	5237	5237	30.882	-5.437	-0.066	0.2	-1.707	391.669	1
5237_5238	5237	5238	23.939	-0.787	-0.121	0.237	-3.426	396.656	1
5238_5238	5238	5238	29.858	-7.722	0.064	-0.155	-2.168	421.885	1
5238_5239	5238	5239	16.372	-6.485	0.151	-0.175	-1.752	340.974	1
5239_5239	5239	5239	28.631	-8.114	0.066	0.137	-1.487	484.735	1
5239_5240	5239	5240	6.888	-1.996	0.146	0.01	-0.014	245.394	1
5240_5240	5240	5240	22.503	14.986	-0.001	-0.103	-0.166	335.391	1
5240_5241	5240	5241	79.293	-22.141	-0.103	-0.09	-0.338	426.891	1

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5241_5241	5241	5241	6.45	11.064	-0.014	0.08	-0.288	226.373	1
5241_5242	5241	5242	80.631	-18.698	-0.107	0.209	-0.906	443.332	1
5242_5242	5242	5242	-1.468	9.3	-0.024	0.116	-0.524	187.874	1
5242_5243	5242	5243	79.621	-14.937	-0.107	0.244	-1.554	449.161	1
5243_5243	5243	5243	-10.55	8.392	0.008	-0.017	-1	153.239	1
5243_5244	5243	5244	85.819	-22.665	0.066	-0.167	-0.778	518.492	1
5244_5244	5244	5244	-7.938	0.376	-0.036	0.005	0.526	126.415	1
5244_5245	5244	5245	89.171	-17.467	0.05	0.115	-0.184	561.443	1
5245_5245	5245	5245	-8.252	0.031	-0.026	-0.055	0.175	123.939	1
5245_5246	5245	5246	92.379	-26.331	0.01	-0.208	0.178	602.759	1
5246_5246	5246	5246	-8.279	0.031	-0.015	0.02	-0.09	123.732	1
5246_5247	5246	5247	93.654	-20.626	-0.001	0.113	0.236	606.736	1
5247_5247	5247	5247	-10.1	-0.418	-0.005	-0.059	-0.233	123.898	1
5247_5248	5247	5248	94.706	-19.552	0.017	-0.199	0.444	604.617	1
5248_5248	5248	5248	-9.774	-0.418	0.006	0.011	-0.28	126.478	1
5248_5249	5248	5249	92.245	-13.856	0.006	0.093	0.557	568.043	1
5249_5249	5249	5249	-12.229	-0.957	0.025	-0.056	-0.219	130.358	1
5249_5250	5249	5250	89.694	-11.68	0.014	-0.132	0.727	525.826	1
5250_5250	5250	5250	-13.831	-1.438	0.036	0.007	0.022	138.037	1
5250_5251	5250	5251	84.825	-7.284	0	0.08	0.723	464.571	1
5251_5251	5251	5251	-5.261	-7.986	-0.06	-0.115	-0.071	164.597	1
5251_5252	5251	5252	86.438	-16.367	-0.112	-0.167	0.012	462.022	1
5252_5252	5252	5252	2.458	-9.678	-0.032	-0.054	-0.412	199.742	1
5252_5253	5252	5253	86.413	-12.888	-0.116	-0.051	-0.721	447.13	1
5253_5253	5253	5253	11.529	-11.962	0	0.066	-0.402	242.768	1
5253_5254	5253	5254	84.065	-8.021	-0.112	0.133	-1.699	400.431	1
5254_5254	5254	5254	59.346	17.096	-0.019	0.892	-0.644	653.355	1
5254_5255	5254	5255	9.787	-22.223	-0.16	-0.232	-1.845	291.519	1
5255_5255	5255	5255	59.338	19.524	-0.036	-0.145	-0.677	617.966	1
5255_5256	5255	5256	20.913	-26.956	0.153	-0.102	0.338	396.786	1
5256_5256	5256	5256	32.984	7.483	0.129	0.174	-0.034	479.042	1
5256_5257	5256	5257	29.639	-22.394	0.15	0.154	1.811	439.492	1
5257_5257	5257	5257	34.479	5.248	-0.039	-0.211	1.201	423.722	1
5257_5258	5257	5258	39.292	-31.016	-0.06	-0.252	1.482	502.685	1
5258_5258	5258	5258	35.673	5.223	-0.037	-0.064	0.939	394.752	1
5258_5259	5258	5259	51.182	-27.8	-0.055	-0.101	1.092	566.225	1
5259_5259	5259	5259	42.644	4.992	-0.022	0.057	0.413	328.802	1
5259_5260	5259	5260	73.508	-24.38	-0.033	0.072	0.44	556.268	1
5260_5260	5260	5260	41.881	4.723	-0.015	-0.088	0.246	300.422	1
5260_5261	5260	5261	82.895	-25.16	-0.027	-0.175	0.299	598.03	1
5261_5261	5261	5261	40.528	4.833	-0.014	-0.006	0.154	281.099	1
5261_5262	5261	5262	90.062	-21.922	-0.024	-0.01	0.135	635.221	1
5262_5262	5262	5262	39.4	4.898	-0.01	0.018	0.048	244.74	1
5262_5263	5262	5263	99.919	-15.524	-0.018	0.038	-0.146	637.326	1
5263_5263	5263	5263	33.599	4.503	-0.003	-0.036	-0.068	210.743	1
5263_5264	5263	5264	107.318	-16.183	-0.007	-0.112	-0.24	684.074	1
5264_5264	5264	5264	28.404	4.503	-0.002	0.012	-0.102	181.428	1
5264_5265	5264	5265	109.186	-9.824	-0.006	0.058	-0.338	698.605	1
5265_5265	5265	5265	23.111	4.263	-0.004	-0.031	-0.129	151.562	1
5265_5266	5265	5266	111.705	-23.719	-0.013	-0.159	-0.572	722.073	1
5266_5266	5266	5266	18.177	4.255	-0.003	0.014	-0.179	123.254	1
5266_5267	5266	5267	108.413	-17.716	-0.009	0.078	-0.693	705.508	1
5267_5267	5267	5267	15.177	-4.633	-0.007	-0.054	-0.453	137.942	1
5267_5268	5267	5268	107.482	-18.982	-0.01	-0.176	-0.813	701.226	1
5268_5268	5268	5268	20.555	-4.636	-0.004	0.02	-0.535	168.43	1
5268_5269	5268	5269	100.449	-13.213	-0.004	0.102	-0.852	660.874	1
5269_5269	5269	5269	25.947	-5.088	-0.009	-0.073	-0.581	198.862	1
5269_5270	5269	5270	97.275	-15.227	-0.01	-0.152	-0.923	641.089	1
5270_5270	5270	5270	30.503	-5.088	-0.007	-0.013	-0.659	224.572	1
5270_5271	5270	5271	90.692	-10.951	-0.006	0.005	-0.944	600.829	1
5271_5271	5271	5271	32.22	-5.121	-0.007	0.06	-0.966	272.911	1
5271_5272	5271	5272	76.924	-8.112	-0.004	0.158	-1.248	613.724	1
5272_5272	5272	5272	34.804	-5.591	-0.03	-0.112	-1.015	294.116	1
5272_5273	5272	5273	68.116	-8.719	-0.063	-0.138	-1.63	576.391	1
5273_5273	5273	5273	36.731	-5.609	-0.028	-0.02	-1.225	321.195	1
5273_5274	5273	5274	57.684	-5.934	-0.059	0.004	-1.945	533.235	1
5274_5274	5274	5274	31.535	-5.941	-0.041	0.176	-2.21	382.384	1
5274_5275	5274	5275	31.557	-2.134	-0.079	0.264	-3.717	484.629	1
5275_5275	5275	5275	30.689	-8.259	0.107	-0.156	-2.686	436.365	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5275_5276	5275	5276	23.259	-8.471	0.274	-0.112	-0.681	441.592	1
5276_5276	5276	5276	29.485	-8.667	0.11	0.238	-1.597	502.669	1
5276_5277	5276	5277	14.26	-4.481	0.276	0.123	2.311	370.011	1
5277_5277	5277	5277	27.627	-11.038	-0.031	-0.003	-0.563	570.836	1
5277_5278	5277	5278	10.498	-9.389	-0.209	0.319	0.913	330.826	1
5278_5278	5278	5278	15.708	12.334	0.046	0.009	-0.973	314.524	1
5278_5279	5278	5279	86.021	-18.058	-0.091	-0.194	-0.352	473.167	1
5279_5279	5279	5279	4.966	10.715	0.039	0.104	-0.559	232.715	1
5279_5280	5279	5280	84.555	-14.403	-0.099	0.035	-0.936	463.326	1
5280_5280	5280	5280	-4.533	8.536	-0.005	-0.029	-0.444	189.846	1
5280_5281	5280	5281	87.666	-18.51	0.052	-0.133	-0.31	507.261	1
5281_5281	5281	5281	-19.159	5.747	0.009	0.027	-0.698	135.017	1
5281_5282	5281	5282	84.809	-11.354	0.042	0.064	0.243	504.093	1
5282_5282	5282	5282	-29.621	2.293	0.149	-0.042	-2.46	142.232	1
5282_5283	5282	5283	74.442	-12.006	0.004	-0.238	0.83	574.981	1
5283_5283	5283	5283	-15.077	0.276	-0.042	0.045	-0.992	130.898	1
5283_5284	5283	5284	70.194	-4.496	-0.031	0.212	0.297	534.447	1
5284_5284	5284	5284	-17.232	-1.078	0.047	-0.065	-1.591	129.198	1
5284_5285	5284	5285	76.596	-19.282	-0.027	-0.188	-1.047	546.965	1
5285_5285	5285	5285	-19.255	-1.409	0.079	0.025	-1.139	139.081	1
5285_5286	5285	5286	76.833	-13.224	-0.037	0.119	-1.519	515.29	1
5286_5286	5286	5286	-20.566	-2.55	-0.011	-0.12	-0.315	150.729	1
5286_5287	5286	5287	81.258	-15.67	0.125	-0.302	0.032	516.401	1
5287_5287	5287	5287	-16.268	-6.034	-0.005	0.05	-0.496	183.596	1
5287_5288	5287	5288	81.088	-9.359	0.053	0.119	0.514	468.142	1
5288_5288	5288	5288	-2.436	-10.429	-0.037	-0.144	-0.957	249.775	1
5288_5289	5288	5289	83.309	-19.007	-0.315	-0.465	-0.95	475.434	1
5289_5289	5289	5289	1.146	-11.145	0.004	-0.003	-1.109	287.643	1
5289_5290	5289	5290	87.306	-14.168	-0.3	-0.287	-4.188	486.247	1
5290_5290	5290	5290	28.747	9.16	-0.379	0.33	-0.469	702.181	1
5290_5291	5290	5291	18.224	-24.486	-0.782	0.538	-8.849	447.301	1
5291_5291	5291	5291	30.528	7.386	0.39	-0.356	-4.348	618.426	1
5291_5292	5291	5292	29.836	-26.332	0.614	-0.293	-1.318	563.809	1
5292_5292	5292	5292	32.213	7.334	0.394	0.295	-0.171	548.274	1
5292_5293	5292	5293	39.799	-21.205	0.578	0.356	4.711	637.563	1
5293_5293	5293	5293	32.224	5.078	-0.087	-0.337	3.717	488.739	1
5293_5294	5293	5294	48.959	-27.27	-0.111	-0.511	3.967	726.85	1
5294_5294	5294	5294	37.434	5.056	-0.058	-0.032	2.076	423.667	1
5294_5295	5294	5295	65.936	-36.951	-0.058	-0.071	2.16	745.786	1
5295_5295	5295	5295	35.753	5.124	-0.057	0.126	1.632	395.391	1
5295_5296	5295	5296	72.589	-32.446	-0.053	0.192	1.665	812.845	1
5296_5296	5296	5296	33.081	4.132	-0.027	-0.134	1.164	366.318	1
5296_5297	5296	5297	76.872	-38.092	-0.052	-0.315	1.431	858.861	1
5297_5297	5297	5297	27.321	4.165	-0.04	-0.11	1.614	380.681	1
5297_5298	5297	5298	72.447	-33.307	-0.074	-0.276	1.421	1014.886	1
5298_5298	5298	5298	25.184	4.165	-0.039	0.135	1.241	352.251	1
5298_5299	5298	5299	76.494	-28.369	-0.066	0.359	0.767	1069.484	1
5299_5299	5299	5299	23.165	3.526	-0.008	-0.201	0.899	324.206	1
5299_5300	5299	5300	83.594	-31.071	-0.002	-0.731	0.75	1164.789	1
5300_5300	5300	5300	20.886	3.526	-0.007	0.132	0.805	293.896	1
5300_5301	5300	5301	86.401	-24.547	0.002	0.481	0.752	1202.919	1
5301_5301	5301	5301	18.466	3.032	-0.015	-0.149	0.724	261.709	1
5301_5302	5301	5302	91.095	-27.643	-0.02	-0.737	0.469	1266.041	1
5302_5302	5302	5302	16.388	3.028	-0.013	0.113	0.542	233.787	1
5302_5303	5302	5303	90.987	-21.635	-0.014	0.572	0.283	1264.977	1
5303_5303	5303	5303	14.453	2.72	-0.013	-0.125	0.39	208.044	1
5303_5304	5303	5304	93.976	-10.964	-0.007	-0.816	0.2	1304.432	1
5304_5304	5304	5304	12.593	2.708	-0.011	0.105	0.23	181.989	1
5304_5305	5304	5305	92.112	-5.041	0	0.789	0.206	1279.988	1
5305_5305	5305	5305	10.937	2.504	-0.019	-0.08	0.104	159.962	1
5305_5306	5305	5306	92.577	-8.984	-0.023	-0.668	-0.04	1286.169	1
5306_5306	5306	5306	9.265	2.504	-0.018	0.051	-0.126	137.716	1
5306_5307	5306	5307	88.049	-2.48	-0.017	0.512	-0.208	1225.305	1
5307_5307	5307	5307	7.62	2.391	-0.011	-0.068	-0.341	115.612	1
5307_5308	5307	5308	85.295	-5.993	-0.01	-0.745	-0.265	1187.133	1
5308_5308	5308	5308	6.172	2.373	-0.011	0.042	-0.473	94.698	1
5308_5309	5308	5309	76.7	1.085	-0.003	0.569	-0.24	1069.809	1
5309_5309	5309	5309	4.588	2.262	-0.104	-0.034	-0.601	73.419	1
5309_5310	5309	5310	67.613	-0.213	0.014	-0.549	0.012	944.08	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5310_5310	5310	5310	3.307	2.221	-0.089	0.024	-1.677	53.491	1
5310_5311	5310	5311	50.685	12.333	0.021	0.41	0.319	715.813	1
5311_5311	5311	5311	2.308	2.044	0.085	-0.006	-2.001	34.23	1
5311_5312	5311	5312	27.804	17.112	-0.018	-0.245	0.155	402.12	1
5312_5312	5312	5312	2.128	1.53	-0.004	-0.012	0.044	17.228	1
5312_5313	5312	5313	2.11	-2.084	-0.153	-0.044	0	8.121	1
5400_5020	5400	5020	29.098	0.868	0.202	0.005	0.769	107.187	1
5400_5401	5400	5401	-23.181	16.321	-0.12	-0.001	1.453	342.352	1
5401_5401	5401	5401	31.132	0.732	-0.056	-0.117	1.54	103.954	1
5401_5402	5401	5402	-21.121	13.035	-0.117	-0.412	0.832	296.666	1
5402_5402	5402	5402	32.874	1.402	-0.118	0.043	1.424	101.473	1
5402_5403	5402	5403	-20.851	12.476	-0.081	0.132	0.074	159.947	1
5403_5403	5403	5403	38.381	2.222	0.01	-0.02	0.172	86.904	1
5403_5404	5403	5404	-19.865	9.472	-0.016	-0.034	0.04	91.692	1
5404_5404	5404	5404	41.722	2.921	-0.022	0.03	0.271	71.51	1
5404_5405	5404	5405	-20.578	9.003	-0.002	0.037	0.05	26.651	1
5405_5405	5405	5405	48.531	3.593	-0.008	0.005	0.121	52.382	1
5405_5406	5405	5406	-30.94	-4.216	0.009	-0.005	0.007	18.62	1
5406_5406	5406	5406	16.83	-5.185	-0.018	-0.071	0.189	87.309	1
5406_5407	5406	5407	-39.317	-5.899	-0.035	-0.045	-0.305	69.408	1
5407_5407	5407	5407	15.677	-5.634	-0.032	0.124	0.145	137.635	1
5407_5408	5407	5408	-41.384	-6.864	0.03	0.061	-0.093	107.104	1
5408_5408	5408	5408	14.165	-8.871	-0.008	0.004	0.05	169.127	1
5408_5409	5408	5409	-41.945	1.914	0.18	0.031	0.446	100.977	1
5409_5409	5409	5409	14.151	8.836	-0.029	-0.004	0.027	195.932	1
5409_5410	5409	5410	-44.137	-2.249	0.051	-0.035	0.629	107.13	1
5410_5410	5410	5410	15.65	5.669	0.008	0.087	-0.32	169.169	1
5410_5411	5410	5411	-44.082	7.041	-0.013	0.044	0.318	67.64	1
5411_5411	5411	5411	15.63	5.819	0.014	-0.049	-0.16	138.23	1
5411_5412	5411	5412	-33.865	5.2	-0.049	-0.029	-0.167	15.857	1
5412_5412	5412	5412	17.217	5.658	0.015	-0.001	-0.105	88.755	1
5412_5413	5412	5413	-20.107	-6.749	-0.011	-0.002	-0.147	25.951	1
5413_5413	5413	5413	59.941	-2.969	-0.033	0.037	0.079	57.294	1
5413_5414	5413	5414	-20.508	-8.77	0.016	0.035	-0.066	89.214	1
5414_5414	5414	5414	58.048	-1.783	0.017	-0.026	-0.132	79.38	1
5414_5415	5414	5415	-20.302	-9.236	0.002	-0.038	-0.028	155.723	1
5415_5415	5415	5415	59.138	-0.607	-0.098	-0.082	0.013	93.107	1
5415_5416	5415	5416	-21.893	-12.28	0.114	-0.227	1.144	289.522	1
5416_5416	5416	5416	56.98	0.679	-0.288	0.281	-1.138	100.251	1
5416_5417	5416	5417	-21.587	-12.809	0.175	0.72	1.489	334.267	1
5417_5417	5417	5417	54.579	0.534	-0.197	-0.006	-2.059	98.05	1
5417_5036	5417	5036	-21.487	-15.761	0.08	0.01	1.963	398.326	1
5420_5056	5420	5056	26.435	0.194	0.145	0.003	0.598	73.871	1
5420_5421	5420	5421	-21.78	14.782	-0.088	-0.002	0.798	296.882	1
5421_5421	5421	5421	51.761	-1.007	0.181	-0.065	-2.101	73.894	1
5421_5422	5421	5422	-21.897	11.77	-0.064	-0.104	0.518	255.861	1
5422_5422	5422	5422	54.249	0.146	0.151	0.016	-1.467	77.597	1
5422_5423	5422	5423	-21.585	11.201	-0.052	0.034	-0.021	133.443	1
5423_5423	5423	5423	52.592	1.244	0.012	-0.028	0.167	76.552	1
5423_5424	5423	5424	-20.328	8.227	-0.01	-0.029	-0.047	74.101	1
5424_5424	5424	5424	54.999	2.409	-0.031	0.021	0.277	67.92	1
5424_5425	5424	5425	-20.517	7.743	0.004	0.032	0.004	18.297	1
5425_5425	5425	5425	52.107	3.675	-0.012	-0.003	0.063	50.955	1
5425_5426	5425	5426	-26.124	-3.118	0.009	-0.004	0.033	11.933	1
5426_5426	5426	5426	17.147	-4.449	-0.002	-0.092	0.106	76.392	1
5426_5427	5426	5427	-39.992	-5.094	-0.063	-0.042	-0.441	53.093	1
5427_5427	5427	5427	16.232	-4.682	-0.029	0.164	0.234	118.85	1
5427_5428	5427	5428	-43.277	-6.126	0.038	0.083	-0.174	86.624	1
5428_5428	5428	5428	14.976	-7.998	-0.015	-0.022	-0.088	144.874	1
5428_5429	5428	5429	-37.65	2.113	-0.152	-0.068	-0.775	79.565	1
5429_5429	5429	5429	14.965	8.028	-0.009	0.022	-0.121	169.062	1
5429_5430	5429	5430	-40.862	-2.64	-0.038	0.07	-0.872	86.908	1
5430_5430	5430	5430	16.273	4.654	0.009	-0.018	-0.058	144.789	1
5430_5431	5430	5431	-35.052	5.595	0.051	-0.011	-0.519	55.23	1
5431_5431	5431	5431	16.169	5.004	0.006	0.01	-0.018	118.965	1
5431_5432	5431	5432	-28.596	4.334	0.062	0.013	0.017	13.561	1
5432_5432	5432	5432	16.62	5.162	0.004	0	-0.029	76.651	1
5432_5433	5432	5433	-20.2	-5.774	0.002	-0.002	-0.009	17.908	1
5433_5433	5433	5433	55.206	-1.957	0.012	-0.005	0.025	47.909	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5433_5434	5433	5434	-20.589	-7.692	-0.009	-0.014	-0.092	73.397	1
5434_5434	5434	5434	51.849	-0.97	-0.006	0.014	0.104	62.855	1
5434_5435	5434	5435	-20.408	-8.16	-0.002	0.014	-0.118	132.149	1
5435_5435	5435	5435	52.934	0.124	-0.115	0.019	0.101	70.586	1
5435_5436	5435	5436	-22.29	-11.19	0.029	0.08	0.16	254.147	1
5436_5436	5436	5436	28.508	-0.169	0.079	-0.087	0.415	76.458	1
5436_5437	5436	5437	-22.021	-11.71	0.004	-0.259	0.264	294.954	1
5437_5437	5437	5437	27.973	-0.239	-0.195	-0.001	0.636	77.068	1
5437_5072	5437	5072	-24.138	-15.075	0.155	0.018	0.629	355.949	1
5440_5094	5440	5094	26.221	0.262	0.096	0.001	0.463	74.187	1
5440_5441	5440	5441	-21.373	14.421	-0.017	-0.004	0.391	284.136	1
5441_5441	5441	5441	26.148	0.217	-0.042	-0.045	0.814	73.113	1
5441_5442	5441	5442	-21.515	11.359	-0.047	-0.198	0.256	244.474	1
5442_5442	5442	5442	27.316	0.796	-0.072	0.019	0.707	72.621	1
5442_5443	5442	5443	-21.215	10.797	-0.025	0.066	0.043	126.325	1
5443_5443	5443	5443	48.439	1.194	0.026	-0.04	0.049	71.408	1
5443_5444	5443	5444	-19.857	7.83	-0.015	-0.042	-0.078	69.959	1
5444_5444	5444	5444	50.898	2.219	-0.035	0.031	0.267	63.125	1
5444_5445	5444	5445	-20.03	7.375	0.006	0.044	-0.003	16.753	1
5445_5445	5445	5445	50.32	3.352	-0.002	-0.004	0.045	47.582	1
5445_5446	5445	5446	-25.4	-3.094	0.003	-0.004	-0.032	12.489	1
5446_5446	5446	5446	16.63	-4.22	0.058	-0.018	-0.023	73.026	1
5446_5447	5446	5447	-32.952	-4.553	0.018	-0.014	0.116	51.438	1
5447_5447	5447	5447	15.866	-4.428	0.053	0.033	0.538	113.239	1
5447_5448	5447	5448	-40.016	-5.751	0.024	0.022	0.131	82.21	1
5448_5448	5448	5448	14.645	-7.68	-0.018	0.126	0.912	137.854	1
5448_5449	5448	5449	-36.365	2.104	0.048	-0.022	0.309	75.507	1
5449_5449	5449	5449	14.657	7.719	0.023	-0.127	0.863	161.124	1
5449_5450	5449	5450	-38.137	-2.378	-0.239	0.027	-0.406	82.334	1
5450_5450	5450	5450	15.865	4.422	-0.06	0.024	0.778	137.834	1
5450_5451	5450	5451	-33.37	5.344	0.033	0.011	-0.226	52.016	1
5451_5451	5451	5451	15.768	4.759	-0.057	-0.014	0.456	113.288	1
5451_5452	5451	5452	-27.956	4.212	0.022	0.002	-0.004	12.178	1
5452_5452	5452	5452	16.245	4.918	0.01	-0.001	-0.096	73.167	1
5452_5453	5452	5453	-19.354	-5.499	-0.005	-0.001	-0.027	17.066	1
5453_5453	5453	5453	53.251	-2.032	0.015	-0.001	-0.007	46.747	1
5453_5454	5453	5454	-19.589	-7.355	0.001	-0.009	-0.037	70.12	1
5454_5454	5454	5454	50.025	-1.058	0.004	0.009	0.09	62.323	1
5454_5455	5454	5455	-19.413	-7.808	0.004	0.006	-0.013	126.415	1
5455_5455	5455	5455	52.327	-0.012	-0.057	-0.015	0.11	70.597	1
5455_5456	5455	5456	-21.289	-10.791	0.026	-0.054	0.201	243.92	1
5456_5456	5456	5456	28.435	-0.093	0.028	0.04	0.538	74.143	1
5456_5457	5456	5457	-21.022	-11.304	0.044	0.174	0.29	283.362	1
5457_5457	5457	5457	27.846	-0.16	-0.063	-0.002	0.693	74.494	1
5457_5110	5457	5110	-23.026	-14.704	0.019	0.001	0.485	342.981	1
5460_5132	5460	5132	16.887	1.449	-0.162	-0.004	1.125	80.892	1
5460_5461	5460	5461	-23.4	16.14	0.489	0.01	0.045	313.599	1
5461_5461	5461	5461	18.57	1.314	-0.058	0.056	0.473	75.069	1
5461_5462	5461	5462	-23.53	12.78	0.034	0.19	0.114	269.037	1
5462_5462	5462	5462	54.208	-0.463	0.004	-0.016	-0.322	78.414	1
5462_5463	5462	5463	-23.122	12.145	0.016	-0.059	0.208	136.002	1
5463_5463	5463	5463	56.006	0.741	-0.035	0.099	-0.476	84.892	1
5463_5464	5463	5464	-19.705	8.702	0.033	0.102	0.087	72.683	1
5464_5464	5464	5464	59.846	1.893	0.132	-0.11	-0.841	80.273	1
5464_5465	5464	5465	14.203	0.89	0.032	-0.033	0	17.291	1
5465_5465	5465	5465	60.165	3.349	-0.006	-0.003	0.113	67.409	1
5465_5466	5465	5466	-18.439	-3.374	-0.003	-0.001	-0.07	34.466	1
5466_5466	5466	5466	15.411	-5.191	-0.03	0.082	-0.013	78.402	1
5466_5467	5466	5467	-23.396	-4.444	0.008	0.048	0.009	72.826	1
5467_5467	5467	5467	16.796	-4.902	-0.003	-0.142	-0.385	124.709	1
5467_5468	5467	5468	-24.428	-5	-0.04	-0.086	-0.269	100.452	1
5468_5468	5468	5468	15.25	-8.18	0.039	-0.032	-0.311	151.951	1
5468_5469	5468	5469	-24.892	0.137	0.026	-0.006	-0.12	99.778	1
5469_5469	5469	5469	14.662	8.189	-0.014	0.033	-0.229	174.891	1
5469_5470	5469	5470	-33.036	-0.742	-0.06	0.033	-0.012	111.018	1
5470_5470	5470	5470	15.802	5.046	0.025	-0.059	-0.156	150.274	1
5470_5471	5470	5471	-30.296	5.951	-0.014	-0.035	-0.01	77.57	1
5471_5471	5471	5471	15.33	5.36	0.015	0.033	-0.058	122.237	1
5471_5472	5471	5472	-27	5.075	0.011	0.022	0.059	30.981	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5472_5472	5472	5472	14.071	6.074	-0.005	0	0.073	74.963	1
5472_5473	5472	5473	14.463	-0.928	0.003	0.001	0.025	18.604	1
5473_5473	5473	5473	60.451	-1.218	-0.005	-0.001	0.065	62.869	1
5473_5474	5473	5474	-19.896	-8.206	0.002	-0.003	0.019	77.142	1
5474_5474	5474	5474	58.351	0.025	-0.009	0.003	0.027	72.096	1
5474_5475	5474	5475	-19.701	-8.666	0.003	0.002	0.04	139.601	1
5475_5475	5475	5475	58.654	1.162	-0.006	0.005	-0.019	72.599	1
5475_5476	5475	5476	-21.233	-11.718	-0.005	0.021	0.041	267.324	1
5476_5476	5476	5476	26.528	-1.072	0.054	-0.037	0.413	87.066	1
5476_5477	5476	5477	-23.427	-12.426	-0.012	-0.088	0.036	310.346	1
5477_5477	5477	5477	26.607	-1.091	0.057	0.004	0.579	90.803	1
5477_5148	5477	5148	-24.271	-15.824	-0.003	0.001	-0.113	374.932	1
5480_5168	5480	5168	21.284	0.976	-0.031	-0.005	0.39	78.958	1
5480_5481	5480	5481	-25.679	16.211	-0.068	-0.014	-0.617	322.964	1
5481_5481	5481	5481	22.985	0.875	-0.066	0.137	0.323	75.108	1
5481_5482	5481	5482	-23.116	12.786	0.059	0.515	-0.113	278.363	1
5482_5482	5482	5482	23.952	1.394	-0.008	-0.042	0.037	72.106	1
5482_5483	5482	5483	-22.717	12.164	0.01	-0.166	-0.192	145.308	1
5483_5483	5483	5483	57.271	0.268	-0.044	0.051	0.098	78.492	1
5483_5484	5483	5484	-21.798	9.115	0.021	0.057	0.006	79.604	1
5484_5484	5484	5484	61.383	1.474	0.043	-0.056	-0.271	77.517	1
5484_5485	5484	5485	16.696	0.602	0.011	-0.019	0.005	21.849	1
5485_5485	5485	5485	60.039	3.003	-0.007	-0.002	0.066	67.424	1
5485_5486	5485	5486	-24.675	-3.585	0.007	-0.003	0.051	29.836	1
5486_5486	5486	5486	15.162	-5.524	-0.018	0.031	-0.047	80.353	1
5486_5487	5486	5487	-29.281	-4.86	-0.024	0.014	-0.183	72.014	1
5487_5487	5487	5487	16.585	-5.3	-0.009	-0.059	-0.26	130.03	1
5487_5488	5487	5488	-30.492	-5.538	-0.047	-0.034	-0.462	102.474	1
5488_5488	5488	5488	15.026	-8.54	0.002	-0.018	-0.208	159.485	1
5488_5489	5488	5489	-30.814	0.842	0.077	-0.047	-0.184	99.819	1
5489_5489	5489	5489	16.648	8.873	-0.028	0.019	-0.028	187.531	1
5489_5490	5489	5490	-28.419	-0.361	0.018	-0.006	0.164	108.379	1
5490_5490	5490	5490	17.365	5.294	0.016	-0.062	0	160.918	1
5490_5491	5490	5491	-25.611	5.356	-0.026	-0.035	0.083	78.222	1
5491_5491	5491	5491	17.147	5.646	0.005	0.033	0.045	131.496	1
5491_5492	5491	5492	-21.38	4.514	-0.005	0.02	0.012	36.329	1
5492_5492	5492	5492	16.017	6.536	-0.009	0	0.07	81.547	1
5492_5493	5492	5493	-20.573	-6.741	0.01	0	0.076	16.849	1
5493_5493	5493	5493	67.649	-1.046	0.052	-0.05	-0.07	66.871	1
5493_5494	5493	5494	-23.159	-8.743	-0.005	-0.059	0.054	79.543	1
5494_5494	5494	5494	62.71	0.061	-0.042	0.053	0.258	75.661	1
5494_5495	5494	5495	-22.95	-9.279	0.024	0.057	0.189	146.419	1
5495_5495	5495	5495	65.053	1.443	-0.014	-0.035	-0.028	75.652	1
5495_5496	5495	5496	-24.626	-12.422	0.001	-0.166	0.26	281.801	1
5496_5496	5496	5496	21.741	-1.243	-0.021	0.134	0.299	76.071	1
5496_5497	5496	5497	-27.115	-13.224	0.059	0.52	0.278	327.481	1
5497_5497	5497	5497	20.806	-1.326	0.042	-0.003	0.315	80.513	1
5497_5184	5497	5184	-28.081	-16.534	-0.012	-0.016	0.549	394.927	1
5500_5204	5500	5204	55.053	-1.126	0.246	0.015	-3.003	80.228	1
5500_5501	5500	5501	-26.051	16.566	-0.18	-0.008	0.548	351.855	1
5501_5501	5501	5501	56.673	-1.06	0.172	-0.064	-2.041	85.189	1
5501_5502	5501	5502	-25.511	13.597	-0.053	-0.096	0.169	304.27	1
5502_5502	5502	5502	59.71	0.173	0.152	0.006	-1.458	89.193	1
5502_5503	5502	5503	-25.83	12.981	-0.044	0.022	-0.277	162.503	1
5503_5503	5503	5503	58.57	1.446	-0.054	0.043	0.194	88.315	1
5503_5504	5503	5504	-24.491	9.891	0.025	0.068	-0.023	91.215	1
5504_5504	5504	5504	60.791	2.727	0.034	-0.067	-0.241	78.423	1
5504_5505	5504	5505	-24.714	9.319	-0.006	-0.065	-0.114	24.01	1
5505_5505	5505	5505	59.997	4.051	0.012	-0.012	-0.002	59.755	1
5505_5506	5505	5506	-33.365	-3.36	-0.012	0.009	-0.154	10.762	1
5506_5506	5506	5506	19.751	-5.638	0.011	0.035	-0.157	95.049	1
5506_5507	5506	5507	-46	-5.839	0.111	0.031	0.833	58.912	1
5507_5507	5507	5507	18.959	-5.758	0.006	-0.069	-0.235	147.55	1
5507_5508	5507	5508	-47.525	-6.893	0.076	-0.029	1.253	96.953	1
5508_5508	5508	5508	17.363	-9.695	0.036	-0.014	-0.163	179.857	1
5508_5509	5508	5509	-43.081	2.421	-0.193	0.134	0.794	89.288	1
5509_5509	5509	5509	17.378	9.763	0.031	0.01	-0.054	209.168	1
5509_5510	5509	5510	-44.656	-2.81	-0.133	-0.135	0.409	97.534	1
5510_5510	5510	5510	19.235	5.933	0.024	-0.171	0.165	179.656	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5510_5511	5510	5511	-39.982	6.267	-0.075	-0.063	0.073	62.378	1
5511_5511	5511	5511	18.98	6.243	-0.005	0.096	0.163	147.003	1
5511_5512	5511	5512	-31.287	4.763	0.004	0.047	0.05	15.978	1
5512_5512	5512	5512	19.468	6.353	-0.014	-0.005	0.171	93.833	1
5512_5513	5512	5513	-24.407	-7.322	0.016	0	0.128	25.496	1
5513_5513	5513	5513	64.06	-1.602	0.045	-0.038	-0.055	53.558	1
5513_5514	5513	5514	-24.684	-9.563	-0.004	-0.069	0.111	94.453	1
5514_5514	5514	5514	60.858	-0.487	-0.044	0.051	0.242	66.281	1
5514_5515	5514	5515	-24.46	-10.124	0.027	0.066	0.259	167.322	1
5515_5515	5515	5515	36.715	-0.584	0.234	-0.031	-0.135	75.335	1
5515_5516	5515	5516	-26.498	-13.237	0.048	-0.138	0.8	311.704	1
5516_5516	5516	5516	31.591	-0.157	0.171	0.042	2.261	83.965	1
5516_5517	5516	5517	-26.173	-13.869	0.082	0.323	0.955	360.083	1
5517_5517	5517	5517	30.45	-0.24	-0.393	-0.005	2.645	84.551	1
5517_5220	5517	5220	-28.583	-16.937	0.052	0.078	0.171	428.932	1
5520_5240	5520	5240	21.274	-2.086	1.292	0.057	-5.894	52.505	1
5520_5521	5520	5521	-34.488	18.287	2.314	0.075	9.203	328.747	1
5521_5521	5521	5521	59.599	-1.398	0.674	-0.426	-8.671	80.071	1
5521_5522	5521	5522	-35.57	13.073	-0.815	-0.897	6.135	283.044	1
5522_5522	5522	5522	59.618	0.072	0.413	0.101	-6.216	84.964	1
5522_5523	5522	5523	-35.885	12.191	-0.674	0.189	-0.883	149.956	1
5523_5523	5523	5523	60.388	1.314	0.215	-0.158	-2.174	86.473	1
5523_5524	5523	5524	-35.481	9.9	-0.026	-0.149	-0.853	78.496	1
5524_5524	5524	5524	65.385	2.487	0.019	0.11	-0.599	78.146	1
5524_5525	5524	5525	14.416	1.077	-0.018	0.023	-0.075	13.955	1
5525_5525	5525	5525	63.172	4.007	0.105	-0.011	-0.737	60.99	1
5525_5526	5525	5526	-24.301	-2.946	-0.046	-0.017	-0.434	13.703	1
5526_5526	5526	5526	31.592	-5.469	0.331	-0.123	-2.453	113.418	1
5526_5527	5526	5527	-48.192	-5.88	0.566	-0.007	4.378	58.653	1
5527_5527	5527	5527	30.142	-5.518	0.134	0.071	-0.815	165.601	1
5527_5528	5527	5528	-51.016	-7.095	0.659	-0.037	8.349	97.419	1
5528_5528	5528	5528	28.398	-11.91	0.407	-0.033	-0.766	196.492	1
5528_5529	5528	5529	-45.116	2.84	-0.228	0.82	7.647	88.404	1
5529_5529	5529	5529	28.514	12.445	0.446	-0.152	0.505	232.471	1
5529_5530	5529	5530	-47.138	-3.064	0.094	-0.939	8.262	97.328	1
5530_5530	5530	5530	31.106	6.176	0.117	-0.226	1.403	194.672	1
5530_5531	5530	5531	-40.356	6.345	-0.576	-0.02	4.424	61.415	1
5531_5531	5531	5531	30.569	6.707	0.104	0.065	1.564	160.588	1
5531_5532	5531	5532	-32.512	4.895	-0.399	0.016	0.106	14.693	1
5532_5532	5532	5532	29.937	7.158	-0.144	-0.028	2.494	103.549	1
5532_5533	5532	5533	-38.951	-8.274	0.146	0.007	0.368	31.735	1
5533_5533	5533	5533	70.509	-1.629	0.064	-0.008	0.787	60.38	1
5533_5534	5533	5534	-40.089	-10.729	0.142	-0.059	1.457	109.069	1
5534_5534	5534	5534	65.665	-0.488	0.018	0.015	1.24	73.54	1
5534_5535	5534	5535	-39.829	-11.659	0.169	-0.014	2.645	193.106	1
5535_5535	5535	5535	36.921	-0.562	0.582	0.01	1.42	79.309	1
5535_5536	5535	5536	-40.245	-14.575	0.205	-0.048	4.75	352.172	1
5536_5536	5536	5536	31.303	-0.208	0.522	-0.18	7.023	87.843	1
5536_5537	5536	5537	-39.888	-15.524	0.196	-0.243	5.453	406.265	1
5537_5537	5537	5537	31.517	-0.268	-0.714	-0.169	9.038	88.521	1
5537_5254	5537	5254	-39.631	-17.595	-0.678	-0.094	2.405	478.135	1
5540_5278	5540	5278	54.289	-0.882	-1.131	-0.321	-5.833	80.477	1
5540_5541	5540	5541	-43.687	17.019	-1.299	-0.744	-4.86	406.964	1
5541_5541	5541	5541	56.885	-1.176	0.632	-0.369	-10.96	84.674	1
5541_5542	5541	5542	-41.2	15.165	-0.152	-0.853	-5.433	353.377	1
5542_5542	5542	5542	59.551	0.094	0.517	0.029	-8.791	89.194	1
5542_5543	5542	5543	-41.56	14.15	-0.075	0.009	-6.054	198.869	1
5543_5543	5543	5543	61.072	1.468	0.27	-0.164	-3.592	90.131	1
5543_5544	5543	5544	-41.31	11.699	0.244	-0.257	-3.842	114.18	1
5544_5544	5544	5544	66.566	2.695	0.084	0.099	-1.524	80.865	1
5544_5545	5544	5545	-44.334	10.58	0.341	0.15	-1.331	37.314	1
5545_5545	5545	5545	67.03	4.296	0.159	0.009	-1.361	62.391	1
5545_5546	5545	5546	-37.62	-3.776	-0.134	-0.002	-1.05	12.624	1
5546_5546	5546	5546	35.164	-5.715	0.783	-0.22	-4.387	111.39	1
5546_5547	5546	5547	-50.183	-6.451	1.155	-0.03	9.482	66.39	1
5547_5547	5547	5547	33.638	-6.206	0.298	0.012	-1.08	167.762	1
5547_5548	5547	5548	-55.186	-7.813	1.314	-0.141	17.556	109.059	1
5548_5548	5548	5548	31.603	-13.221	0.352	-0.102	-0.16	202.49	1
5548_5549	5548	5549	-45.813	2.71	-0.73	1.824	14.69	99.067	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5549_5549	5549	5549	31.694	13.142	0.426	-0.199	-0.322	242.548	1
5549_5550	5549	5550	-49.441	-2.624	0.315	-2.245	16.584	107.815	1
5550_5550	5550	5550	33.781	5.988	0.375	-0.329	0.46	203.365	1
5550_5551	5550	5551	-41.108	7.224	-1.104	0.02	9.315	65.451	1
5551_5551	5551	5551	33.398	6.459	0.455	-0.022	1.332	169.864	1
5551_5552	5551	5552	-29.311	5.154	-0.79	-0.043	0.764	15.695	1
5552_5552	5552	5552	34.39	6.355	-0.223	-0.101	5.208	118.613	1
5552_5553	5552	5553	-42.211	-8.377	0.302	0.04	0.459	25.207	1
5553_5553	5553	5553	53.357	-0.294	0	-0.085	3.293	70.965	1
5553_5554	5553	5554	-43.312	-10.65	0.392	-0.079	3.329	100.098	1
5554_5554	5554	5554	48.859	-1.297	0.02	-0.08	3.442	84.031	1
5554_5555	5554	5555	-43.023	-11.761	0.437	-0.049	6.365	182.949	1
5555_5555	5555	5555	42.514	-0.154	0.747	-0.061	3.694	95.177	1
5555_5556	5555	5556	-43.912	-14.278	1.193	-0.268	18.962	334.871	1
5556_5556	5556	5556	35.629	0.186	0.518	-0.099	9.918	101.622	1
5556_5557	5556	5557	-43.495	-15.495	1.291	0.038	23.154	388.01	1
5557_5557	5557	5557	34.01	-0.131	-0.607	-0.47	11.303	101.288	1
5557_5290	5557	5290	-44.271	-17.322	-1.919	-1.209	13.635	482.129	1
45000_5000	45000	5000	1.462	19.716	-0.258	0.232	0	10.615	1
45000_5001	45000	5001	-0.992	-51.045	0.205	-0.418	2.613	642.233	1
45001_5001	45001	5001	-0.189	-2.703	0.174	-0.075	2.21	32.906	1
45001_5002	45001	5002	-1.187	-42.798	0.25	0.355	5.63	958.952	1
45002_5002	45002	5002	-0.229	-2.773	-0.171	-0.089	3.349	59.726	1
45002_5003	45002	5003	-1.273	-35.483	-0.29	-0.889	2.504	1276.249	1
45003_5003	45003	5003	-0.23	-2.773	-0.171	0.053	1.267	93.399	1
45003_5004	45003	5004	-1.391	-27.149	-0.313	0.936	-1.182	1440.489	1
45004_5004	45004	5004	-0.229	-2.761	0.019	-0.092	-0.808	127.039	1
45004_5005	45004	5005	-1.447	-29.734	0.035	-0.605	-0.913	1601.614	1
45005_5005	45005	5005	-0.239	-2.762	0.018	0.056	-0.568	160.564	1
45005_5006	45005	5006	-1.463	-22.506	0.038	0.756	-0.518	1648.839	1
45006_5006	45006	5006	-0.239	-2.787	-0.016	-0.187	-0.344	194.123	1
45006_5007	45006	5007	-1.453	-26.654	-0.035	-1.321	-0.99	1734.915	1
45007_5007	45007	5007	-0.263	-2.792	-0.015	0.186	-0.537	227.972	1
45007_5008	45007	5008	-1.427	-19.707	-0.034	1.292	-1.473	1720.739	1
45008_5008	45008	5008	-0.282	-2.856	0.004	-0.224	-0.715	261.888	1
45008_5009	45008	5009	-1.393	-24.01	0.018	-1.362	-1.31	1753.859	1
45009_5009	45009	5009	-0.282	-2.856	0.005	0.261	-0.664	296.567	1
45009_5010	45009	5010	-1.424	-3.065	0.022	1.435	-0.987	1691.401	1
45010_5010	45010	5010	-0.282	-2.971	-0.012	0.028	-0.607	331.248	1
45010_5011	45010	5011	-1.39	-7.567	-0.035	0.08	-1.502	1690.473	1
45011_5011	45011	5011	-0.282	-2.971	-0.012	0.028	-0.748	367.31	1
45011_5012	45011	5012	-1.353	-0.254	-0.034	0.056	-1.951	1593.024	1
45012_5012	45012	5012	-0.282	-3.195	0.003	-0.107	-0.89	403.38	1
45012_5013	45012	5013	-1.314	-4.458	0.082	-0.472	-0.975	1541.837	1
45013_5013	45013	5013	-0.294	-3.207	0.004	0.212	-0.841	442.223	1
45013_5014	45013	5014	-1.276	2.875	0.078	0.591	-0.061	1396.718	1
45014_5014	45014	5014	-0.294	-3.495	-0.028	-0.111	-0.79	481.144	1
45014_5015	45014	5015	-1.22	1.937	-0.132	-0.308	-2.359	1234.833	1
45015_5015	45015	5015	-0.284	-3.537	-0.031	0.303	-1.254	537.514	1
45015_5016	45015	5016	-0.935	-7.666	-0.109	0.55	-2.951	1105.172	1
45016_5016	45016	5016	-0.207	-4.269	0.027	-0.26	-1.522	566.706	1
45016_5017	45016	5017	-0.632	-9.491	0.072	-0.433	-1.904	972.835	1
45017_5017	45017	5017	-0.111	-4.31	0.029	0.33	-1.178	617.216	1
45017_5018	45017	5018	-0.575	-2.524	0.071	0.366	-0.807	738.318	1
45018_5018	45018	5018	0.026	-4.945	-0.025	-0.288	-0.808	674.621	1
45018_5019	45018	5019	-0.524	-0.183	-0.006	-0.182	-0.949	500.224	1
45019_5019	45019	5019	0.15	-4.99	-0.025	0.453	-1.046	736.955	1
45019_5020	45019	5020	0.186	-1.064	-0.016	0.179	-0.99	279.025	1
45020_5020	45020	5020	-10.706	25.236	-0.044	-0.089	0.548	590.794	1
45020_5021	45020	5021	38.847	-32.45	0.143	-0.173	-2.443	494.124	1
45021_5021	45021	5021	-13.261	16.782	-0.03	-0.054	-0.499	388.178	1
45021_5022	45021	5022	33.669	-28.162	0.125	-0.19	-1.252	596.119	1
45022_5022	45022	5022	-18.054	12.138	-0.004	0.262	-1.123	276.389	1
45022_5023	45022	5023	28.303	-23.411	0.079	0.39	-0.523	664.365	1
45023_5023	45023	5023	-26.494	8.456	0.023	0.114	-1.529	200.829	1
45023_5024	45023	5024	23.265	-23.748	0.039	0.162	-0.065	743.087	1
45024_5024	45024	5024	-37.601	0.334	-0.01	-0.176	-2.281	186.074	1
45024_5025	45024	5025	18.796	-18.516	0.058	-0.953	0.47	787.466	1
45025_5025	45025	5025	-37.601	0.334	0.089	0.304	-2.357	183.402	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45025_5026	45025	5026	15.412	-12.851	0.009	0.961	0.557	797.388	1
45026_5026	45026	5026	-37.006	-0.041	0.051	-0.001	-1.645	180.812	1
45026_5027	45026	5027	13.469	-17.346	0.025	-0.177	0.73	828.987	1
45027_5027	45027	5027	-37.006	-0.041	0.044	-0.032	-1.34	181.057	1
45027_5028	45027	5028	12.12	-13.099	0.022	-0.381	0.82	841.214	1
45028_5028	45028	5028	-35.732	-0.043	0.051	-0.001	-1.066	181.307	1
45028_5029	45028	5029	11.205	-8.713	0.015	-0.301	0.846	826.033	1
45029_5029	45029	5029	-35.732	-0.043	0.11	0.3	-0.761	181.563	1
45029_5030	45029	5030	13.182	-15.47	-0.03	0.864	0.414	790.646	1
45030_5030	45030	5030	-35.733	-0.612	0.074	-0.086	-0.101	181.82	1
45030_5031	45030	5031	15.574	-18.241	-0.026	-0.651	0.117	778.457	1
45031_5031	45031	5031	-37.006	-0.653	0.12	0.147	0.496	187.018	1
45031_5032	45031	5032	18.833	-13.006	-0.057	0.24	-0.422	731.811	1
45032_5032	45032	5032	-37.602	-0.671	0.121	0.147	1.463	192.363	1
45032_5033	45032	5033	22.533	-8.296	-0.068	0.171	-1.127	651.067	1
45033_5033	45033	5033	-37.602	-1.361	0.14	-0.041	2.43	197.733	1
45033_5034	45033	5034	26.495	-8.591	-0.095	-0.124	-2.015	580.895	1
45034_5034	45034	5034	-22.208	-12.04	0.026	-0.15	-1.532	264.784	1
45034_5035	45034	5035	30.287	-4.304	-0.109	-0.177	-3.083	486.498	1
45035_5035	45035	5035	-15.533	-16.704	0.047	0.241	-0.771	384.228	1
45035_5036	45035	5036	35.112	-0.047	-0.151	0.179	-4.833	347.577	1
45036_5036	45036	5036	25.243	24.658	0.055	-0.616	3.571	966.343	1
45036_5037	45036	5037	-15.397	-35.348	-0.012	-0.587	-1.487	456.337	1
45037_5037	45037	5037	23.343	20.485	0.01	0.763	4.159	685.385	1
45037_5038	45037	5038	-17.519	-28.831	0.031	0.296	-1.662	667.39	1
45038_5038	45038	5038	-14.824	5.565	-0.062	-0.474	-1.618	597.333	1
45038_5039	45038	5039	-20.099	-26.032	-0.049	-0.755	-2.445	863.869	1
45039_5039	45039	5039	-14.956	5.2	-0.036	0.474	-2.473	522.014	1
45039_5040	45039	5040	-21.549	-19.303	-0.007	0.635	-3.063	952.239	1
45040_5040	45040	5040	-15.046	4.183	0.066	-0.202	-2.887	460.924	1
45040_5041	45040	5041	-22.376	-23.66	0.073	-0.469	-2.57	1040.031	1
45041_5041	45041	5041	-14.982	4.04	0.076	0.083	-2.359	422.21	1
45041_5042	45041	5042	-23.118	-13.983	0.084	0.172	-1.441	1102.64	1
45042_5042	45042	5042	-14.755	3.502	-0.025	0	-1.197	358.902	1
45042_5043	45042	5043	-23.061	-18.028	-0.035	0.002	-1.878	1197.456	1
45043_5043	45043	5043	-14.755	3.502	-0.025	0	-1.5	317.131	1
45043_5044	45043	5044	-22.455	-10.002	-0.032	-0.013	-2.391	1214.018	1
45044_5044	45044	5044	-14.755	3.289	0.014	0.023	-1.802	275.367	1
45044_5045	45044	5045	-20.226	-26.211	0.005	0.053	-2.182	1281.501	1
45045_5045	45045	5045	-14.755	3.289	0.013	0.006	-1.631	236.116	1
45045_5046	45045	5046	-19.724	-18.47	-0.004	-0.05	-2.171	1255.604	1
45046_5046	45046	5046	-5.066	-3.386	-0.002	-0.205	-1.129	208.912	1
45046_5047	45046	5047	-20.208	-10.754	0.008	-0.996	-2.054	1283.552	1
45047_5047	45047	5047	-5.066	-3.386	0.006	0.195	-1.149	249.311	1
45047_5048	45047	5048	-19.165	-14.932	0.03	0.833	-1.606	1217.023	1
45048_5048	45048	5048	-5.066	-3.515	0.01	-0.266	-1.072	289.674	1
45048_5049	45048	5049	-18.92	-18.806	0.033	-0.969	-1.175	1199.726	1
45049_5049	45049	5049	-5.066	-3.515	0.018	0.289	-0.958	331.607	1
45049_5050	45049	5050	-18.336	-11.541	0.061	0.828	-0.386	1103.523	1
45050_5050	45050	5050	-5.404	-3.845	0.017	-0.203	-0.707	373.666	1
45050_5051	45050	5051	-16.905	-13.872	-0.039	-0.486	-0.886	1032.565	1
45051_5051	45051	5051	-5.372	-3.89	0.025	0.415	-0.438	434.597	1
45051_5052	45051	5052	-15.684	-8.29	-0.012	0.822	-0.912	944.328	1
45052_5052	45052	5052	-5.497	-4.576	-0.012	-0.477	-0.258	466.749	1
45052_5053	45052	5053	-13.38	-10.357	-0.026	-0.803	-0.912	858.366	1
45053_5053	45053	5053	-5.625	-4.763	0	0.522	-0.364	522.547	1
45053_5054	45053	5054	-10.503	-3.258	0.007	0.624	-0.778	671.191	1
45054_5054	45054	5054	-5.57	-5.324	-0.005	-0.472	-0.419	585.783	1
45054_5055	45054	5055	-7.726	-0.826	0.005	-0.322	-0.59	463.696	1
45055_5055	45055	5055	21.492	-19.626	-0.049	0.445	1.557	655.598	1
45055_5056	45055	5056	1.354	-1.071	0	0.202	-0.423	227.858	1
45056_5056	45056	5056	-12.178	24.69	-0.039	0.049	0.592	531.901	1
45056_5057	45056	5057	33.73	-32.218	0.079	-0.039	-1.504	509.775	1
45057_5057	45057	5057	-14.936	16.437	-0.04	-0.117	-0.127	345.662	1
45057_5058	45057	5058	29.753	-27.805	0.086	-0.296	-0.716	612.615	1
45058_5058	45058	5058	-23.545	9.937	-0.009	0.2	-0.799	245.454	1
45058_5059	45058	5059	25.52	-22.947	0.047	0.404	-0.28	686.134	1
45059_5059	45059	5059	-37.174	0.949	-0.145	-0.401	0.397	216.262	1
45059_5060	45059	5060	21.542	-23.379	0.084	-1.2	0.458	769.094	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45060_5060	45060	5060	-37.175	0.949	-0.056	0.101	-0.767	208.661	1
45060_5061	45060	5061	18.027	-18.108	0.029	0.562	0.683	816.444	1
45061_5061	45061	5061	-37.175	0.949	-0.056	0.101	-1.213	201.07	1
45061_5062	45061	5062	15.418	-12.427	0.026	0.516	0.874	827.77	1
45062_5062	45062	5062	-36.383	0.284	-0.07	-0.216	-1.662	193.534	1
45062_5063	45062	5063	12.179	-27.967	0.005	-0.643	0.824	861.384	1
45063_5063	45063	5063	-36.383	0.284	-0.074	-0.237	-2.082	191.829	1
45063_5064	45063	5064	12.671	-23.63	0.004	-0.803	0.831	874.25	1
45064_5064	45064	5064	-36.383	0.284	-0.01	0.1	-2.526	190.127	1
45064_5065	45064	5065	12.312	-8.581	-0.012	0.714	0.867	859.757	1
45065_5065	45065	5065	-36.383	0.284	-0.01	0.1	-2.583	188.423	1
45065_5066	45065	5066	14.856	-15.511	-0.026	0.526	0.499	825.608	1
45066_5066	45066	5066	-36.384	-0.122	-0.033	-0.145	-2.64	186.728	1
45066_5067	45066	5067	17.258	-18.484	-0.027	-0.303	0.234	813.251	1
45067_5067	45067	5067	-37.176	-0.138	-0.033	-0.145	-2.9	187.812	1
45067_5068	45067	5068	20.547	-13.228	-0.031	-0.359	-0.079	765.225	1
45068_5068	45068	5068	-36.199	-0.538	0.108	0.234	0.656	189.2	1
45068_5069	45068	5069	24.288	-8.487	-0.066	0.51	-0.688	682.204	1
45069_5069	45069	5069	-36.197	-1.113	0.087	-0.184	1.517	193.517	1
45069_5070	45069	5070	28.278	-8.877	-0.048	-0.657	-1.175	609.551	1
45070_5070	45070	5070	-24.518	-10.103	0.031	0.01	-1.426	251.169	1
45070_5071	45070	5071	32.028	-4.484	-0.097	0.083	-2.076	510.024	1
45071_5071	45071	5071	-15.512	-16.525	0.04	0.217	-0.59	354.692	1
45071_5072	45071	5072	36.846	-0.088	-0.131	0.256	-3.571	368.569	1
45072_5072	45072	5072	20.71	27.559	0.023	-0.319	2.639	873.593	1
45072_5073	45072	5073	-12.799	-35.403	0.014	-0.448	-1.458	465.877	1
45073_5073	45073	5073	-7.134	5.405	0.031	0.492	-1.838	665.512	1
45073_5074	45073	5074	-14.336	-28.657	0.032	0.205	-1.43	678.166	1
45074_5074	45074	5074	-7.293	4.739	0.005	-0.577	-1.387	597.787	1
45074_5075	45074	5075	-16.372	-25.768	0.02	-0.926	-1.363	876.806	1
45075_5075	45075	5075	-6.846	4.473	0.022	0.585	-1.391	532.949	1
45075_5076	45075	5076	-17.344	-18.787	0.056	0.807	-1.077	965.478	1
45076_5076	45076	5076	-6.923	3.696	-0.018	-0.368	-1.116	480.4	1
45076_5077	45076	5077	-17.846	-23.465	-0.034	-0.848	-1.347	1063.294	1
45077_5077	45077	5077	-6.713	3.622	-0.011	0.196	-1.279	452.402	1
45077_5078	45077	5078	-18.166	-14.587	0.006	0.402	-1.494	1153.599	1
45078_5078	45078	5078	-6.258	3.316	0.004	-0.321	-1.478	400.763	1
45078_5079	45078	5079	-16.714	-30.502	-0.034	-1.119	-1.754	1266.435	1
45079_5079	45079	5079	-6.258	3.316	0.015	0.327	-1.436	363.578	1
45079_5080	45079	5080	-16.138	-23.323	-0.007	0.92	-1.816	1297.116	1
45080_5080	45080	5080	-6.258	3.15	0.001	-0.259	-1.27	326.399	1
45080_5081	45080	5081	-15.718	-27.442	0.003	-1.253	-1.779	1376.578	1
45081_5081	45081	5081	-6.258	3.15	0.012	0.259	-1.26	291.072	1
45081_5082	45081	5082	-15.492	-20.295	0.031	0.98	-1.41	1368.958	1
45082_5082	45082	5082	-6.258	3.067	0.009	0.013	-1.125	255.755	1
45082_5083	45082	5083	-15.481	-24.23	-0.008	-0.023	-1.466	1414.031	1
45083_5083	45083	5083	-5.209	-2.964	0	-0.004	-0.983	219.814	1
45083_5084	45083	5084	-15.487	-4.071	-0.007	0.038	-1.574	1363.654	1
45084_5084	45084	5084	-5.209	-3.027	-0.011	-0.247	-0.981	255.537	1
45084_5085	45084	5085	-15.484	-8.921	0.002	-1.162	-1.543	1367.303	1
45085_5085	45085	5085	-5.209	-3.027	-0.001	0.269	-1.098	289.468	1
45085_5086	45085	5086	-15.668	-1.413	0.028	1.179	-1.217	1283.799	1
45086_5086	45086	5086	-5.581	-3.189	0.021	-0.322	-1.109	323.454	1
45086_5087	45086	5087	-16.001	-5.937	0.034	-1.109	-0.845	1250.622	1
45087_5087	45087	5087	-5.581	-3.189	0.031	0.332	-0.878	359.203	1
45087_5088	45087	5088	-16.724	-11.338	0.057	0.927	-0.207	1143.763	1
45088_5088	45088	5088	-5.581	-3.442	-0.018	-0.194	-0.534	394.99	1
45088_5089	45088	5089	-16.098	-13.278	-0.033	-0.487	-0.714	1066.126	1
45089_5089	45089	5089	-5.551	-3.49	-0.011	0.38	-0.778	441.156	1
45089_5090	45089	5090	-15.239	-8.599	-0.013	0.746	-0.8	968.081	1
45090_5090	45090	5090	-5.702	-4.145	-0.008	-0.554	-0.887	470.027	1
45090_5091	45090	5091	-13.332	-10.517	-0.016	-0.934	-0.854	873.292	1
45091_5091	45091	5091	-5.865	-4.339	0.005	0.546	-0.935	520.047	1
45091_5092	45091	5092	-10.76	-3.24	0.019	0.649	-0.628	672.792	1
45092_5092	45092	5092	-5.824	-4.936	-0.006	-0.222	-0.908	577.686	1
45092_5093	45092	5093	-8.117	-0.913	-0.008	-0.152	-0.806	459.8	1
45093_5093	45093	5093	-5.841	-5.134	-0.001	0.33	-0.922	640.031	1
45093_5094	45093	5094	-6.045	4.596	0.006	0.144	-0.697	188.014	1
45094_5094	45094	5094	-11.665	24.114	-0.008	-0.111	0.093	522.87	1

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45094_5095	45094	5095	32.168	-32.249	0.076	-0.289	-1.215	500.931	1
45095_5095	45095	5095	-14.342	15.998	0.002	-0.021	-0.351	340.626	1
45095_5096	45095	5096	28.38	-27.755	0.055	-0.166	-0.684	602.162	1
45096_5096	45096	5096	-22.746	9.704	0.032	0.281	-0.742	243.01	1
45096_5097	45096	5097	24.327	-22.804	0.018	0.481	-0.5	673.938	1
45097_5097	45097	5097	-36.9	0.599	-0.046	-0.129	0.517	201.957	1
45097_5098	45097	5098	20.531	-23.439	0.024	-0.226	-0.263	756.583	1
45098_5098	45098	5098	-36.9	0.599	-0.046	-0.129	0.146	197.166	1
45098_5099	45098	5099	17.169	-18.084	0.02	-0.293	-0.083	803.302	1
45099_5099	45099	5099	-35.445	0.558	-0.002	0.104	-0.233	192.487	1
45099_5100	45099	5100	14.698	-12.314	0	0.61	-0.069	813.174	1
45100_5100	45100	5100	-35.445	0.034	0.007	0.256	-0.248	188.025	1
45100_5101	45100	5101	11.672	-28.03	-0.024	1.29	-0.115	847.688	1
45101_5101	45101	5101	-35.445	0.034	0.066	0.569	-0.204	187.82	1
45101_5102	45101	5102	12.152	-23.632	-0.049	2.843	-0.4	861.358	1
45102_5102	45102	5102	-35.444	0.034	-0.17	-0.681	0.195	187.616	1
45102_5103	45102	5103	12.98	-19.367	0.031	-2.541	-0.261	847.398	1
45103_5103	45103	5103	-35.445	0.034	-0.112	-0.379	-0.823	187.413	1
45103_5104	45103	5104	14.266	-15.423	0.008	-1.041	-0.264	813.527	1
45104_5104	45104	5104	-35.445	-0.301	-0.066	-0.219	-1.497	187.209	1
45104_5105	45104	5105	16.597	-18.678	0.001	-0.684	-0.326	803.603	1
45105_5105	45105	5105	-34.48	-0.647	0.051	0.118	0.605	190.166	1
45105_5106	45105	5106	19.812	-13.326	-0.024	0.222	-0.564	756.855	1
45106_5106	45106	5106	-34.48	-0.647	0.052	0.125	1.011	195.335	1
45106_5107	45106	5107	23.478	-8.5	-0.03	0.186	-0.881	674.023	1
45107_5107	45107	5107	-34.479	-1.228	0.044	-0.039	1.428	200.512	1
45107_5108	45107	5108	27.399	-9.016	-0.036	-0.146	-1.253	602.17	1
45108_5108	45108	5108	-23.58	-9.672	-0.007	-0.149	-1.001	244.252	1
45108_5109	45108	5109	31.052	-4.514	-0.041	-0.218	-1.691	502.087	1
45109_5109	45109	5109	-14.783	-15.955	0.014	0.214	-0.467	341.642	1
45109_5110	45109	5110	35.775	-0.013	-0.082	0.207	-2.617	359.743	1
45110_5110	45110	5110	20.171	26.357	0.022	-0.348	2.208	864.101	1
45110_5111	45110	5111	-12.043	-35.257	0.013	-0.429	-1.187	465.646	1
45111_5111	45111	5111	-6.524	5.378	0.021	0.478	-1.642	654.81	1
45111_5112	45111	5112	-13.415	-28.325	0.036	0.211	-1.032	673.742	1
45112_5112	45112	5112	-6.46	4.719	-0.021	-0.348	-1.353	587.953	1
45112_5113	45112	5113	-15.333	-25.516	-0.031	-0.559	-1.539	868.422	1
45113_5113	45113	5113	-6.308	4.517	-0.012	0.361	-1.669	524.575	1
45113_5114	45113	5114	-16.319	-18.313	-0.011	0.487	-1.975	949.238	1
45114_5114	45114	5114	-6.161	3.863	0.049	-0.093	-1.802	471.775	1
45114_5115	45114	5115	-16.917	-22.994	0.085	-0.198	-1.34	1034.714	1
45115_5115	45115	5115	-6.194	3.809	0.05	0.039	-1.401	440.205	1
45115_5116	45115	5116	-17.433	-13.856	0.097	0.065	-0.017	1095.242	1
45116_5116	45116	5116	-5.774	3.468	-0.023	-0.154	-0.718	386.179	1
45116_5117	45116	5117	-17.469	-18.189	-0.078	-0.53	-0.825	1185.444	1
45117_5117	45117	5117	-5.774	3.468	-0.018	0.155	-0.974	347.298	1
45117_5118	45117	5118	-17.137	-10.473	-0.066	0.472	-1.576	1202.615	1
45118_5118	45118	5118	-5.774	3.34	0.019	-0.104	-1.172	308.417	1
45118_5119	45118	5119	-16.73	-15.276	0.05	-0.54	-1.01	1270.674	1
45119_5119	45119	5119	-5.774	3.34	0.024	0.138	-0.955	270.968	1
45119_5120	45119	5120	-16.341	-7.526	0.066	0.54	-0.247	1255.834	1
45120_5120	45120	5120	-5.774	3.274	-0.003	-0.223	-0.681	233.519	1
45120_5121	45120	5121	-16.082	-12.115	-0.042	-1.6	-0.724	1299.831	1
45121_5121	45121	5121	-5.774	3.274	0.011	0.258	-0.721	194.059	1
45121_5122	45121	5122	-16.059	-3.73	-0.001	1.485	-0.705	1240.906	1
45122_5122	45122	5122	-7.61	-2.223	-0.009	-0.08	-0.243	173.135	1
45122_5123	45122	5123	-16.276	-8.92	0.015	-0.52	-0.482	1240.287	1
45123_5123	45123	5123	-7.61	-2.223	-0.002	0.097	-0.347	198.053	1
45123_5124	45123	5124	-16.711	-1.107	0.026	0.53	-0.163	1149.643	1
45124_5124	45124	5124	-7.866	-2.39	0.006	-0.213	-0.371	222.988	1
45124_5125	45124	5125	-17.331	-5.878	-0.004	-0.959	-0.208	1112.795	1
45125_5125	45125	5125	-7.929	-2.392	0.02	0.232	-0.303	249.786	1
45125_5126	45125	5126	-18.987	-10.442	0.035	0.797	0.19	1001.378	1
45126_5126	45126	5126	-7.93	-2.695	-0.005	-0.144	-0.077	276.596	1
45126_5127	45126	5127	-18.57	-12.672	0.006	-0.431	0.348	926.216	1
45127_5127	45127	5127	-8.078	-2.777	0.005	0.249	-0.141	311.504	1
45127_5128	45127	5128	-17.779	-7.872	0.018	0.593	0.489	827.557	1
45128_5128	45128	5128	-8.019	-3.486	0.001	-0.393	-0.11	334.409	1
45128_5129	45128	5129	-15.821	-10.12	0.003	-0.776	0.532	742.887	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45129_5129	45129	5129	-8.176	-3.74	0.018	0.399	-0.062	378.42	1
45129_5130	45129	5130	-13.011	-2.727	0.064	0.538	1.279	557.085	1
45130_5130	45130	5130	17.466	-15.244	-0.007	-0.275	0.108	499.276	1
45130_5131	45130	5131	-9.989	-1.428	-0.136	-0.167	-0.333	366.98	1
45131_5131	45131	5131	19.219	-19.425	-0.001	0.287	0.233	717.768	1
45131_5132	45131	5132	6.102	-2.931	-0.024	0.059	-0.874	219.674	1
45132_5132	45132	5132	-10.444	25.381	-0.006	0.163	0.594	533.185	1
45132_5133	45132	5133	35.57	-32.599	-0.091	1.376	-1.004	440.824	1
45133_5133	45133	5133	-11.045	17.433	0.032	0.998	0.423	334.127	1
45133_5134	45133	5134	31.234	-27.955	-0.135	2.462	-1.815	546.123	1
45134_5134	45134	5134	-43.169	1.987	-0.286	-1.972	3.017	234.345	1
45134_5135	45134	5135	26.629	-22.809	0.252	-3.692	0.429	616.462	1
45135_5135	45135	5135	-42.033	1.442	-0.019	-0.144	0.846	219.248	1
45135_5136	45135	5136	22.248	-24.117	-0.051	-0.362	0.101	703.33	1
45136_5136	45136	5136	-42.033	1.442	0.034	0.116	0.694	207.707	1
45136_5137	45136	5137	18.295	-18.575	-0.071	0.536	-0.502	752.026	1
45137_5137	45137	5137	-42.033	1.442	-0.02	-0.132	0.963	196.167	1
45137_5138	45137	5138	15.236	-12.603	-0.04	-0.36	-0.83	762.247	1
45138_5138	45138	5138	-40.502	0.88	-0.058	-0.18	0.775	184.868	1
45138_5139	45138	5139	10.323	-27.904	0.026	-0.674	-0.455	803.04	1
45139_5139	45139	5139	-40.502	0.88	0.01	0.12	0.428	179.587	1
45139_5140	45139	5140	10.458	-23.316	0.007	0.651	-0.38	818.59	1
45140_5140	45140	5140	-40.502	0.88	-0.058	-0.171	0.486	174.306	1
45140_5141	45140	5141	10.954	-18.871	0.023	-0.677	-0.232	805.072	1
45141_5141	45141	5141	-40.862	0.878	0.01	0.111	0.143	169.025	1
45141_5142	45141	5142	11.942	-14.769	0.003	0.551	-0.197	770.747	1
45142_5142	45142	5142	-40.862	0.571	-0.044	-0.033	0.202	163.754	1
45142_5143	45142	5143	13.918	-18.288	-0.006	-0.027	-0.277	763.001	1
45143_5143	45143	5143	-27.03	-1.838	-0.023	0.007	0.306	166.671	1
45143_5144	45143	5144	16.819	-12.739	-0.004	-0.028	-0.325	716.589	1
45144_5144	45144	5144	-27.409	-1.846	-0.023	0.007	0.124	181.392	1
45144_5145	45144	5145	20.178	-7.74	-0.002	-0.027	-0.344	631.955	1
45145_5145	45145	5145	-27.413	-2.592	0.034	0.116	-0.059	196.155	1
45145_5146	45145	5146	23.841	-8.24	0.017	0.145	-0.192	558.517	1
45146_5146	45146	5146	-21.309	-10.883	-0.03	0.146	-0.084	238.977	1
45146_5147	45146	5147	27.267	-3.613	0.017	0.197	-0.071	456.52	1
45147_5147	45147	5147	-14.025	-17.094	-0.044	-0.286	-0.201	347.831	1
45147_5148	45147	5148	31.71	0.984	0.045	-0.261	0.275	306.567	1
45148_5148	45148	5148	33.778	24.907	0.002	-0.234	0.376	913.441	1
45148_5149	45148	5149	-18.42	-34.901	-0.018	-0.17	0.158	421.819	1
45149_5149	45149	5149	32.644	-18.744	-0.024	0.254	0.361	644.291	1
45149_5150	45149	5150	-21.357	-28.034	-0.005	0.108	-0.045	617.581	1
45150_5150	45150	5150	-15.12	5.335	-0.011	-0.089	-0.425	529.092	1
45150_5151	45150	5151	-24.886	-25.12	-0.001	-0.117	0.011	794.68	1
45151_5151	45151	5151	-15.041	4.921	-0.007	0.046	-0.587	453.674	1
45151_5152	45151	5152	-27.146	-18.082	0.007	0.066	0.023	856.176	1
45152_5152	45152	5152	-14.878	4.152	0.004	-0.012	-0.669	396.045	1
45152_5153	45152	5153	-28.543	-22.709	-0.004	-0.014	-0.03	933.172	1
45153_5153	45153	5153	-14.884	4.025	0.003	-0.01	-0.64	360.075	1
45153_5154	45153	5154	-30.158	-13.814	-0.003	-0.018	-0.107	975.561	1
45154_5154	45154	5154	-14.645	3.748	0.002	-0.005	-0.603	304.936	1
45154_5155	45154	5155	-30.906	-17.696	-0.003	-0.025	-0.147	1052.154	1
45155_5155	45155	5155	-14.645	3.748	0.002	-0.005	-0.586	263.707	1
45155_5156	45155	5156	-31.121	-9.874	-0.002	-0.024	-0.178	1056.841	1
45156_5156	45156	5156	-14.645	3.646	-0.001	0	-0.569	222.477	1
45156_5157	45156	5157	-31.163	-14.363	-0.016	-0.031	-0.337	1099.37	1
45157_5157	45157	5157	-14.645	3.646	-0.001	-0.002	-0.577	185.982	1
45157_5158	45157	5158	-31.112	-7.217	-0.019	-0.042	-0.544	1074.095	1
45158_5158	45158	5158	-14.183	3.615	0.016	0.066	-0.594	149.562	1
45158_5159	45158	5159	-31.36	-22.431	0.024	0.54	-0.267	1095.698	1
45159_5159	45159	5159	-14.88	-3.191	-0.011	-0.089	-0.436	165.576	1
45159_5160	45159	5160	-31.419	-15.703	-0.011	-0.454	-0.391	1051.662	1
45160_5160	45160	5160	-14.881	-3.326	0.007	-0.01	-0.546	197.517	1
45160_5161	45160	5161	-31.321	-19.104	0.017	-0.024	-0.239	1045.15	1
45161_5161	45161	5161	-14.881	-3.326	0.007	-0.01	-0.471	234.103	1
45161_5162	45161	5162	-30.691	-12.036	0.02	-0.016	0.001	966.976	1
45162_5162	45162	5162	-14.88	-3.655	-0.046	-0.097	-0.397	270.694	1
45162_5163	45162	5163	-29.019	-13.736	-0.069	-0.278	-0.941	917.148	1
45163_5163	45163	5163	-15.305	-3.81	-0.035	0.145	-0.997	322.103	1

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45163_5164	45163	5164	-27.357	-8.975	-0.048	0.336	-1.355	839.932	1
45164_5164	45164	5164	-15.229	-4.653	0.04	0.225	-1.28	353.532	1
45164_5165	45164	5165	-24.152	-10.752	0.053	0.43	-0.786	765.039	1
45165_5165	45165	5165	-15.278	-5.063	0.023	-0.201	-0.812	412.547	1
45165_5166	45165	5166	-19.877	-3.603	0.019	-0.274	-0.38	590.716	1
45166_5166	45166	5166	-15.351	-6.02	-0.014	-0.217	-0.49	480.156	1
45166_5167	45166	5167	-15.568	-1.093	-0.015	-0.152	-0.411	392.844	1
45167_5167	45167	5167	33.355	-18.61	-0.014	0.254	0.876	684.692	1
45167_5168	45167	5168	14.503	-2.477	-0.005	0.063	0.179	228.369	1
45168_5168	45168	5168	-11.945	24.704	0.004	-0.214	-0.211	566.199	1
45168_5169	45168	5169	29.891	-33.25	0.022	-0.189	-0.312	452.791	1
45169_5169	45169	5169	-14.639	17.965	0.02	0.24	-0.278	356.274	1
45169_5170	45169	5170	26.288	-28.799	-0.022	0.377	-0.386	562.627	1
45170_5170	45170	5170	-21.714	11.411	-0.005	-0.065	-0.249	240.951	1
45170_5171	45170	5171	22.417	-23.866	0.006	-0.281	-0.299	639.42	1
45171_5171	45171	5171	-29.908	1.779	0.021	0.146	0.425	205.399	1
45171_5172	45171	5172	18.834	-24.244	-0.014	0.598	-0.325	726.344	1
45172_5172	45172	5172	-29.908	1.779	-0.017	-0.093	0.591	191.167	1
45172_5173	45172	5173	15.69	-18.849	0.007	-0.269	-0.213	777.183	1
45173_5173	45173	5173	-29.508	1.774	-0.017	-0.093	0.455	176.967	1
45173_5174	45173	5174	13.472	-13.017	0.007	-0.253	-0.148	791.317	1
45174_5174	45174	5174	-29.508	1.21	0.017	0.113	0.323	162.769	1
45174_5175	45174	5175	11.95	-28.074	-0.013	0.673	-0.05	827.143	1
45175_5175	45175	5175	-29.508	1.21	-0.032	-0.146	0.427	155.511	1
45175_5176	45175	5176	11.654	-13.431	0.01	-0.74	-0.07	841.978	1
45176_5176	45176	5176	-29.508	1.21	0.017	0.101	0.236	148.252	1
45176_5177	45176	5177	11.374	-8.944	-0.009	0.678	-0.098	828.671	1
45177_5177	45177	5177	-38.242	-1.02	-0.017	-0.107	-0.554	154.192	1
45177_5178	45177	5178	15.81	-15.187	0.007	-0.583	-0.001	792.74	1
45178_5178	45178	5178	-37.811	-1.648	0.01	-0.051	-0.659	160.315	1
45178_5179	45178	5179	18.773	-18.121	0.003	-0.285	0.057	779.468	1
45179_5179	45179	5179	-38.243	-1.657	0.01	-0.051	-0.574	173.566	1
45179_5180	45179	5180	22.626	-12.738	0.004	-0.323	0.113	729.677	1
45180_5180	45180	5180	-38.243	-1.657	0.058	0.182	-0.493	186.822	1
45180_5181	45180	5181	26.897	-7.887	-0.028	0.472	-0.063	643.749	1
45181_5181	45181	5181	-38.243	-2.362	-0.016	-0.06	-0.029	200.08	1
45181_5182	45181	5182	31.4	-8.128	0.008	-0.363	-0.059	567.361	1
45182_5182	45182	5182	-18.053	-11.445	0.008	0.234	-0.086	237.271	1
45182_5183	45182	5183	35.598	-3.697	-0.028	0.369	-0.281	464.727	1
45183_5183	45183	5183	-12.687	-18.014	-0.005	-0.203	0.044	355.268	1
45183_5184	45183	5184	40.883	0.723	0.018	-0.154	-0.136	315.147	1
45184_5184	45184	5184	27.581	27.834	-0.006	0.275	-0.348	998.616	1
45184_5185	45184	5185	-15.413	-35.879	-0.007	0.136	0.076	381.613	1
45185_5185	45185	5185	25.972	21.197	0.012	-0.241	-0.422	689.443	1
45185_5186	45185	5186	-17.693	-29.413	-0.017	-0.11	-0.032	590.781	1
45186_5186	45186	5186	-9.342	4.414	-0.013	0.063	-0.164	461.196	1
45186_5187	45186	5187	-20.495	-26.299	-0.019	0.15	-0.353	786.99	1
45187_5187	45187	5187	-9.276	4.161	-0.018	-0.125	-0.33	400.414	1
45187_5188	45187	5188	-22.173	-19.497	-0.034	-0.19	-0.703	876.253	1
45188_5188	45188	5188	-9.045	3.433	-0.005	-0.044	-0.546	351.562	1
45188_5189	45188	5189	-23.177	-23.352	-0.008	-0.078	-0.809	967.045	1
45189_5189	45189	5189	-9.073	3.359	-0.005	-0.035	-0.587	321.709	1
45189_5190	45189	5190	-24.254	-14.752	-0.013	-0.057	-1.056	1034.987	1
45190_5190	45190	5190	-9.073	3.072	-0.009	-0.036	-0.653	275.526	1
45190_5191	45190	5191	-24.642	-17.843	-0.026	-0.085	-1.448	1123.016	1
45191_5191	45191	5191	-8.87	3.067	-0.009	-0.036	-0.757	241.771	1
45191_5192	45191	5192	-24.577	-10.342	-0.026	-0.084	-1.826	1141.912	1
45192_5192	45192	5192	-8.796	2.937	-0.008	-0.033	-0.857	208.035	1
45192_5193	45192	5193	-24.008	-25.781	-0.007	-0.108	-2.094	1190.549	1
45193_5193	45193	5193	-8.796	2.937	-0.008	-0.031	-0.94	178.606	1
45193_5194	45193	5194	-23.997	-19.197	-0.01	-0.086	-2.247	1173.846	1
45194_5194	45194	5194	-7.011	-3.343	-0.031	-0.049	-2.126	171.18	1
45194_5195	45194	5195	-24.037	-22.7	-0.038	-0.085	-2.686	1195.408	1
45195_5195	45195	5195	-7.011	-3.343	-0.031	-0.049	-2.44	204.711	1
45195_5196	45195	5196	-23.999	-16.286	-0.04	-0.074	-3.147	1152.697	1
45196_5196	45196	5196	-7.011	-3.563	-0.024	-0.027	-2.753	238.241	1
45196_5197	45196	5197	-23.82	-19.143	-0.02	-0.061	-3.41	1140.978	1
45197_5197	45197	5197	-7.667	-3.588	-0.023	-0.027	-2.96	277.631	1
45197_5198	45197	5198	-23.204	-12.442	-0.019	-0.049	-3.584	1062.155	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45198_5198	45198	5198	-7.667	-4.083	-0.023	-0.011	-3.214	317.105	1
45198_5199	45198	5199	-21.715	-13.63	-0.034	-0.034	-3.915	1003.154	1
45199_5199	45199	5199	-7.634	-4.145	-0.023	0.016	-3.526	374.908	1
45199_5200	45199	5200	-20.283	-9.101	-0.033	0.006	-4.053	926.509	1
45200_5200	45200	5200	-7.997	-5.042	-0.014	0.042	-3.643	409.15	1
45200_5201	45200	5201	-17.633	-10.128	-0.006	0.073	-3.869	837.186	1
45201_5201	45201	5201	-7.934	-5.249	-0.016	0.011	-3.797	471.114	1
45201_5202	45201	5202	-14.24	-3.384	-0.006	-0.021	-3.512	652.139	1
45202_5202	45202	5202	-7.991	-6.12	-0.025	0.286	-3.935	540.964	1
45202_5203	45202	5203	-10.937	-0.776	-0.019	0.222	-3.352	442.813	1
45203_5203	45203	5203	26.23	-21.189	0.031	-0.455	4.405	714.596	1
45203_5204	45203	5204	1.125	-1.179	-0.008	-0.005	-2.211	213.387	1
45204_5204	45204	5204	-14.446	26.749	-0.023	0.142	0.535	599.736	1
45204_5205	45204	5205	36.488	-32.333	0.085	0.213	-4.903	511.228	1
45205_5205	45205	5205	-17.611	18.052	-0.01	-0.267	-1.083	386.884	1
45205_5206	45205	5206	32.427	-28.252	0.122	-0.385	-3.56	620.381	1
45206_5206	45206	5206	-22.834	13.093	0.039	0.093	-2.075	267.567	1
45206_5207	45206	5207	28.117	-23.743	0.076	0.357	-2.557	695.961	1
45207_5207	45207	5207	-38.344	1.093	-0.124	-0.139	4.667	214.651	1
45207_5208	45207	5208	24.06	-23.733	0.051	0.018	-1.798	779.36	1
45208_5208	45208	5208	-38.344	1.093	-0.124	-0.139	3.672	205.908	1
45208_5209	45208	5209	20.435	-18.737	0.043	0.013	-1.157	830.666	1
45209_5209	45209	5209	-38.344	1.093	-0.124	-0.139	2.677	197.166	1
45209_5210	45209	5210	17.698	-13.327	0.029	0.007	-0.657	849.764	1
45210_5210	45210	5210	-38.344	0.487	-0.063	0.01	1.681	188.421	1
45210_5211	45210	5211	14.447	-28.331	-0.015	0.722	0.116	886.723	1
45211_5211	45211	5211	-38.344	0.487	-0.127	-0.299	1.304	185.498	1
45211_5212	45211	5212	15.042	-24.122	0.003	-0.743	0.249	901.482	1
45212_5212	45212	5212	-38.344	0.487	-0.063	0.005	0.543	182.574	1
45212_5213	45212	5213	16.027	-20.031	-0.03	0.715	0.178	889.7	1
45213_5213	45213	5213	-40.274	0.455	-0.129	-0.295	0.194	179.731	1
45213_5214	45213	5214	17.517	-16.221	-0.011	-0.658	0.141	859.063	1
45214_5214	45214	5214	-40.275	0.077	-0.07	-0.241	-0.582	177.007	1
45214_5215	45214	5215	20.159	-18.251	-0.013	-0.495	0.049	843.531	1
45215_5215	45215	5215	-42.032	0.002	-0.018	-0.021	-1.133	176.541	1
45215_5216	45215	5216	23.662	-13.258	-0.043	0.53	-0.269	795.774	1
45216_5216	45216	5216	-45.488	-0.217	-0.07	-0.244	-1.21	176.941	1
45216_5217	45216	5217	27.578	-8.741	-0.019	-0.403	-0.491	715.649	1
45217_5217	45217	5217	-36.488	-7.076	-0.262	-1.061	-0.75	200.016	1
45217_5218	45217	5218	31.717	-8.65	-0.011	-1.577	-0.647	642.333	1
45218_5218	45218	5218	-24.056	-12.608	-0.193	-0.817	-1.98	274.35	1
45218_5219	45218	5219	35.6	-4.573	-0.082	-1.061	-1.403	545.896	1
45219_5219	45219	5219	-17.792	-18.018	-0.07	1.526	-2.816	392.285	1
45219_5220	45219	5220	40.456	-0.435	-0.32	1.606	-4.533	403.182	1
45220_5220	45220	5220	28.94	29.213	0.153	-0.756	-0.583	942.403	1
45220_5221	45220	5221	-14.847	-35.344	0.054	-1.001	-0.816	487.744	1
45221_5221	45221	5221	-7.285	6.528	0.115	0.917	-2.53	691.943	1
45221_5222	45221	5222	-17.116	-29.322	0.111	0.282	0.328	704.314	1
45222_5222	45222	5222	-7.252	5.794	-0.048	-1.156	-1.009	610.195	1
45222_5223	45222	5223	-19.977	-26.148	-0.084	-1.939	-0.831	905.225	1
45223_5223	45223	5223	-7.318	5.604	-0.017	1.073	-1.724	530.891	1
45223_5224	45223	5224	-21.9	-19.837	-0.002	1.465	-1.447	1004.243	1
45224_5224	45224	5224	-6.966	4.807	-0.075	-1.15	-1.859	465.395	1
45224_5225	45224	5225	-23.135	-23.01	-0.128	-2.888	-2.366	1097.846	1
45225_5225	45225	5225	-7.005	4.751	-0.049	0.503	-2.491	425.681	1
45225_5226	45225	5226	-24.931	-13.985	-0.061	1.062	-3.673	1181.625	1
45226_5226	45226	5226	-6.758	4.379	-0.011	-0.698	-3.258	352.397	1
45226_5227	45226	5227	-26.47	-29.023	-0.118	-2.934	-5.557	1267.521	1
45227_5227	45227	5227	-6.671	4.376	0.017	0.569	-3.395	300.513	1
45227_5228	45227	5228	-26.572	-21.778	-0.029	1.833	-6.078	1274.202	1
45228_5228	45228	5228	-6.67	4.196	-0.063	-0.454	-3.194	248.608	1
45228_5229	45228	5229	-26.57	-23.967	-0.183	-3.058	-8.491	1310.321	1
45229_5229	45229	5229	-9.051	-4.243	-0.104	0.333	-6.459	235.944	1
45229_5230	45229	5230	-26.396	-16.871	-0.098	1.895	-10.001	1257.746	1
45230_5230	45230	5230	-9.696	-4.569	-0.12	-0.769	-7.563	286.441	1
45230_5231	45230	5231	-25.843	-18.397	-0.173	-2.296	-12.451	1232.378	1
45231_5231	45231	5231	-9.959	-4.581	-0.086	0.354	-8.946	342.155	1
45231_5232	45231	5232	-24.701	-11.544	-0.097	1.293	-13.715	1127.471	1
45232_5232	45232	5232	-9.961	-5.142	0.074	-0.999	-9.995	397.947	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45232_5233	45232	5233	-23.415	-13.747	0.152	-1.789	-12.036	1071.751	1
45233_5233	45233	5233	-10.391	-5.241	0.091	-0.276	-9.088	445.415	1
45233_5234	45233	5234	-22.156	-10.15	0.182	-0.292	-10.569	1001.7	1
45234_5234	45234	5234	-10.332	-5.356	0.115	0.936	-8.446	481.519	1
45234_5235	45234	5235	-20.523	-6.492	0.225	1.81	-8.581	899.154	1
45235_5235	45235	5235	-10.241	-5.93	-0.704	-1.821	-7.626	522.894	1
45235_5236	45235	5236	-19.1	-7.729	-1.388	-2.305	-15.844	838.4	1
45236_5236	45236	5236	-10.153	-6.084	-0.668	-0.024	-11.363	559.127	1
45236_5237	45236	5237	-16.982	-3.88	-1.274	-0.004	-26.463	724.347	1
45237_5237	45237	5237	-10.271	-6.247	-0.643	1.458	-16.755	610.714	1
45237_5238	45237	5238	-15.298	-1.219	-1.186	1.546	-33.611	612.729	1
45238_5238	45238	5238	-10.075	-8.679	0.627	-1.62	-21.213	651.702	1
45238_5239	45238	5239	-12.305	-7.069	1.477	-1.725	-17.133	519.06	1
45239_5239	45239	5239	-9.932	-9.231	0.642	0.806	-14.602	737.906	1
45239_5240	45239	5240	-9.748	-2.246	1.433	0.08	-0.139	366.166	1
45240_5240	45240	5240	-28.231	16.038	-0.013	-0.881	-1.628	535.563	1
45240_5241	45240	5241	40.296	-23.695	-1.005	-0.769	-3.31	681.673	1
45241_5241	45241	5241	-34.14	11.855	-0.155	0.725	-3.131	365.168	1
45241_5242	45241	5242	37.915	-20.035	-1.167	1.893	-9.851	715.152	1
45242_5242	45242	5242	-38.844	9.965	-0.263	1.047	-5.695	303.065	1
45242_5243	45242	5243	35.223	-16.005	-1.168	2.208	-16.898	724.553	1
45243_5243	45243	5243	-46.094	8.992	0.082	-0.156	-10.87	247.195	1
45243_5244	45243	5244	31.274	-24.286	0.718	-1.514	-8.457	836.393	1
45244_5244	45244	5244	-36.846	0.403	-0.39	0.042	5.717	203.924	1
45244_5245	45244	5245	28.075	-18.715	0.549	1.041	-1.999	905.679	1
45245_5245	45245	5245	-36.848	0.033	-0.284	-0.499	1.898	199.93	1
45245_5246	45245	5246	24.972	-28.214	0.112	-1.881	1.94	972.326	1
45246_5246	45246	5246	-36.849	0.033	-0.159	0.177	-0.983	199.595	1
45246_5247	45246	5247	26.162	-22.101	-0.012	1.023	2.566	978.743	1
45247_5247	45247	5247	-39.687	-0.448	-0.055	-0.532	-2.529	199.863	1
45247_5248	45247	5248	28.197	-20.95	0.182	-1.8	4.826	975.324	1
45248_5248	45248	5248	-39.687	-0.448	0.068	0.1	-3.044	204.024	1
45248_5249	45248	5249	31.526	-14.847	0.062	0.843	6.059	916.325	1
45249_5249	45249	5249	-44.225	-1.025	0.277	-0.509	-2.386	210.284	1
45249_5250	45249	5250	35.816	-12.515	0.148	-1.191	7.902	848.225	1
45250_5250	45250	5250	-48.19	-1.541	0.39	0.064	0.244	222.672	1
45250_5251	45250	5251	40.241	-7.804	0.003	0.726	7.857	749.413	1
45251_5251	45251	5251	-40.156	-8.557	-0.651	-1.043	-0.772	265.517	1
45251_5252	45251	5252	43.223	-17.538	-1.222	-1.516	0.127	745.3	1
45252_5252	45252	5252	-35.105	-10.37	-0.353	-0.491	-4.481	322.209	1
45252_5253	45252	5253	46.085	-13.81	-1.256	-0.462	-7.842	721.277	1
45253_5253	45253	5253	-30.012	-12.825	-0.001	0.595	-4.639	393.49	1
45253_5254	45253	5254	50.424	-8.6	-1.291	1.207	-19.593	649.037	1
45254_5254	45254	5254	28.7	19.075	-0.22	7.592	-7.191	988.942	1
45254_5255	45254	5255	-11.079	-22.778	-1.843	-1.587	-21.331	443.038	1
45255_5255	45255	5255	29.029	21.534	-0.416	-1.102	-7.841	939.158	1
45255_5256	45255	5256	-14.156	-27.69	1.759	-0.921	3.872	614.515	1
45256_5256	45256	5256	-7.045	8.464	1.492	1.511	-0.359	741.908	1
45256_5257	45256	5257	-15.466	-22.976	1.729	1.039	20.909	689.966	1
45257_5257	45257	5257	-6.88	6.105	-0.447	-2.026	13.814	665.208	1
45257_5258	45257	5258	-17.181	-32.135	-0.695	-2.423	17.036	796.499	1
45258_5258	45258	5258	-6.956	6.02	-0.429	-0.674	10.821	625.48	1
45258_5259	45258	5259	-18.442	-28.849	-0.639	-1.029	12.577	905.729	1
45259_5259	45259	5259	-7.053	5.907	-0.408	1.109	7.564	577.593	1
45259_5260	45259	5260	-19.616	-25.37	-0.595	1.429	8.05	985.373	1
45260_5260	45260	5260	-7.12	5.433	-0.279	-1.912	4.487	532.167	1
45260_5261	45260	5261	-20.584	-26.568	-0.494	-3.795	5.45	1063.882	1
45261_5261	45261	5261	-7.112	5.364	-0.253	-0.136	2.819	500.069	1
45261_5262	45261	5262	-21.536	-23.461	-0.447	-0.217	2.464	1132.262	1
45262_5262	45262	5262	-7.145	5.321	-0.245	0.372	1.198	466.268	1
45262_5263	45262	5263	-23.427	-16.863	-0.447	0.784	-3.618	1214.206	1
45263_5263	45263	5263	-6.741	4.891	-0.075	-0.745	-1.683	401.499	1
45263_5264	45263	5264	-25.02	-17.579	-0.176	-2.3	-5.95	1303.269	1
45264_5264	45264	5264	-6.741	4.891	-0.056	0.247	-2.541	345.649	1
45264_5265	45264	5265	-26.29	-10.672	-0.138	1.203	-8.378	1330.951	1
45265_5265	45265	5265	-6.741	4.63	-0.111	-0.642	-3.191	288.75	1
45265_5266	45265	5266	-29.238	-25.765	-0.324	-3.278	-14.19	1375.662	1
45266_5266	45266	5266	-6.592	4.623	-0.085	0.286	-4.451	234.819	1
45266_5267	45266	5267	-29.879	-19.244	-0.23	1.605	-17.176	1344.103	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45267_5267	45267	5267	-16.661	-5.033	-0.179	-1.121	-11.228	262.801	1
45267_5268	45267	5268	-30.188	-20.62	-0.246	-3.637	-20.151	1335.945	1
45268_5268	45268	5268	-16.708	-5.035	-0.099	0.414	-13.275	320.886	1
45268_5269	45268	5269	-29.976	-14.353	-0.106	2.113	-21.121	1259.069	1
45269_5269	45269	5269	-16.71	-5.527	-0.219	-1.511	-14.412	378.863	1
45269_5270	45269	5270	-29.378	-16.541	-0.248	-3.137	-22.888	1221.375	1
45270_5270	45270	5270	-16.711	-5.527	-0.171	-0.273	-16.354	427.844	1
45270_5271	45270	5271	-28.385	-11.896	-0.15	0.099	-23.419	1144.673	1
45271_5271	45271	5271	-16.676	-5.633	-0.133	0.912	-17.855	477.424	1
45271_5272	45271	5272	-27.346	-8.987	-0.072	2.458	-23.058	1071.542	1
45272_5272	45272	5272	-16.607	-6.302	-0.553	-1.89	-18.746	513.517	1
45272_5273	45272	5273	-25.926	-9.9	-1.17	-2.378	-30.1	1001.035	1
45273_5273	45273	5273	-16.54	-6.478	-0.52	-0.536	-22.625	557.829	1
45273_5274	45273	5274	-24.433	-7.047	-1.087	-0.271	-35.928	919.246	1
45274_5274	45274	5274	-16.512	-6.766	-0.475	1.288	-25.879	604.328	1
45274_5275	45274	5275	-21.539	-2.695	-0.928	1.889	-43.51	755.181	1
45275_5275	45275	5275	-16.197	-9.269	1.248	-1.75	-31.378	679.971	1
45275_5276	45275	5276	-18.087	-9.284	3.202	-1.07	-7.945	678.55	1
45276_5276	45276	5276	-16.222	-9.683	1.288	1.747	-18.727	772.4	1
45276_5277	45276	5277	-15.394	-4.951	3.232	1.436	26.993	560.714	1
45277_5277	45277	5277	-15.877	-12.084	-0.363	-0.126	-6.583	865.045	1
45277_5278	45277	5278	-12.536	-9.938	-2.438	2.807	10.588	495.772	1
45278_5278	45278	5278	-36.638	13.222	0.534	0.083	-11.385	503.464	1
45278_5279	45278	5279	40.326	-19.358	-1.068	-1.726	-4.121	757.408	1
45279_5279	45279	5279	-41.618	11.504	0.508	1.032	-7.293	381.795	1
45279_5280	45279	5280	37.798	-15.464	-1.289	0.343	-12.215	760.136	1
45280_5280	45280	5280	-47.823	9.165	-0.071	-0.284	-5.791	311.464	1
45280_5281	45280	5281	33.453	-19.874	0.675	-1.325	-4.049	832.217	1
45281_5281	45281	5281	-59.761	6.17	0.112	0.264	-9.114	221.511	1
45281_5282	45281	5282	29.512	-12.19	0.551	0.637	3.166	827.019	1
45282_5282	45282	5282	-59.186	2.434	0.64	-0.225	-10.578	208.186	1
45282_5283	45282	5283	27.315	-12.739	0.018	-1.281	3.57	841.605	1
45283_5283	45283	5283	-37.744	0.293	-0.18	0.241	-4.266	191.596	1
45283_5284	45283	5284	26.762	-4.77	-0.134	1.138	1.278	782.276	1
45284_5284	45284	5284	-40.481	-1.144	0.203	-0.351	-6.841	189.108	1
45284_5285	45284	5285	33.92	-20.459	-0.118	-1.012	-4.504	800.598	1
45285_5285	45285	5285	-44.545	-1.496	0.339	0.134	-4.896	203.574	1
45285_5286	45285	5286	38.371	-14.032	-0.157	0.637	-6.533	754.235	1
45286_5286	45286	5286	-47.861	-2.706	-0.047	-0.646	-1.355	220.624	1
45286_5287	45286	5287	44.301	-16.627	0.538	-1.621	0.137	755.861	1
45287_5287	45287	5287	-46.242	-6.403	-0.021	0.271	-2.134	268.731	1
45287_5288	45287	5288	50.352	-9.93	0.23	0.638	2.21	685.224	1
45288_5288	45288	5288	-35.871	-11.066	-0.157	-0.772	-4.116	365.598	1
45288_5289	45288	5289	52.452	-20.168	-1.357	-2.498	-4.087	695.898	1
45289_5289	45289	5289	-33.44	-11.811	0.017	-0.017	-4.679	413.749	1
45289_5290	45289	5290	57.095	-15.015	-1.268	-1.433	-17.673	699.424	1
45290_5290	45290	5290	-0.918	9.799	-1.6	1.55	-1.96	950.796	1
45290_5291	45290	5291	-5.321	-25.067	-3.297	3.014	-37.291	613.847	1
45291_5291	45291	5291	-1.238	7.98	1.643	-1.457	-18.359	848.687	1
45291_5292	45291	5292	-5.209	-27.047	2.591	-1.315	-5.575	783.734	1
45292_5292	45292	5292	-1.375	7.898	1.663	1.43	-0.713	762.14	1
45292_5293	45292	5293	-4.709	-21.824	2.438	1.531	19.888	894.577	1
45293_5293	45293	5293	-1.581	5.482	-0.366	-1.738	15.673	685.759	1
45293_5294	45293	5294	-4.803	-28.306	-0.468	-2.591	16.728	1024.821	1
45294_5294	45294	5294	-1.656	5.44	-0.363	-0.315	12.992	645.51	1
45294_5295	45294	5295	-5.202	-38.894	-0.361	-0.639	13.516	1139.221	1
45295_5295	45295	5295	-1.716	5.422	-0.359	1.053	10.216	603.976	1
45295_5296	45295	5296	-4.896	-34.303	-0.33	1.606	10.419	1241.775	1
45296_5296	45296	5296	-1.694	4.369	-0.166	-1.124	7.286	559.621	1
45296_5297	45296	5297	-4.935	-40.28	-0.325	-2.638	8.957	1312.074	1
45297_5297	45297	5297	-1.694	4.369	-0.164	-0.534	6.596	541.948	1
45297_5298	45297	5298	-5.027	-34.941	-0.304	-1.344	5.809	1444.821	1
45298_5298	45298	5298	-1.695	4.369	-0.16	0.659	5.074	501.475	1
45298_5299	45298	5299	-5.103	-29.761	-0.271	1.752	3.136	1522.548	1
45299_5299	45299	5299	-1.578	3.699	-0.033	-0.98	3.676	461.548	1
45299_5300	45299	5300	-5.186	-32.595	-0.008	-3.564	3.068	1658.227	1
45300_5300	45300	5300	-1.578	3.699	-0.027	0.642	3.292	418.399	1
45300_5301	45300	5301	-5.264	-25.752	0.006	2.343	3.074	1712.509	1
45301_5301	45301	5301	-1.579	3.18	-0.06	-0.728	2.959	372.577	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45301_5302	45301	5302	-5.33	-28.999	-0.082	-3.593	1.918	1802.372	1
45302_5302	45302	5302	-1.552	3.177	-0.054	0.551	2.217	332.826	1
45302_5303	45302	5303	-5.367	-22.697	-0.058	2.788	1.158	1800.856	1
45303_5303	45303	5303	-1.552	2.854	-0.053	-0.61	1.592	296.177	1
45303_5304	45303	5304	-5.336	-11.502	-0.03	-3.975	0.818	1857.026	1
45304_5304	45304	5304	-1.423	2.84	-0.047	0.513	0.94	259.084	1
45304_5305	45304	5305	-5.371	-5.289	-0.001	3.847	0.843	1822.227	1
45305_5305	45305	5305	-1.423	2.627	-0.078	-0.389	0.426	227.727	1
45305_5306	45305	5306	-5.371	-9.424	-0.094	-3.256	-0.164	1831.026	1
45306_5306	45306	5306	-1.424	2.627	-0.073	0.248	-0.516	196.056	1
45306_5307	45306	5307	-5.309	-2.602	-0.071	2.493	-0.852	1744.378	1
45307_5307	45307	5307	-1.402	2.508	-0.047	-0.33	-1.392	164.588	1
45307_5308	45307	5308	-5.158	-6.287	-0.039	-3.63	-1.085	1690.035	1
45308_5308	45308	5308	-1.239	2.489	-0.043	0.204	-1.933	134.814	1
45308_5309	45308	5309	-4.865	1.139	-0.013	2.774	-0.981	1523.011	1
45309_5309	45309	5309	-1.219	2.373	-0.424	-0.164	-2.459	104.521	1
45309_5310	45309	5310	-4.388	-0.223	0.059	-2.676	0.049	1344.019	1
45310_5310	45310	5310	-0.936	2.33	-0.363	0.118	-6.857	76.151	1
45310_5311	45310	5311	-4.087	12.939	0.084	2	1.305	1019.052	1
45311_5311	45311	5311	-0.348	2.145	0.348	-0.03	-8.179	48.73	1
45311_5312	45311	5312	-3.173	17.952	-0.073	-1.195	0.633	572.469	1
45312_5312	45312	5312	1.091	1.606	-0.017	-0.058	0.181	24.526	1
45312_5313	45312	5313	1.965	-2.187	-0.627	-0.214	0	11.561	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
5000_5000	5000	5000	-0.498	-2.307	-0.003	-0.018	0	-1.662	1
5000_5001	5000	5001	-2.386	2.52	-0.027	0.015	-0.348	-19.058	1
5001_5001	5001	5001	-48.403	13.279	-0.033	-0.058	-0.411	-371.964	1
5001_5002	5001	5002	-4.409	2.534	-0.023	0.01	-0.527	-34.592	1
5002_5002	5002	5002	-72.471	11.307	0.042	0.099	-0.887	-555.397	1
5002_5003	5002	5003	-6.981	2.585	0.027	0.012	-0.2	-54.094	1
5003_5003	5003	5003	-96.661	-1.228	0.045	-0.137	-0.394	-739.169	1
5003_5004	5003	5004	-9.551	2.585	0.027	-0.007	0.127	-73.577	1
5004_5004	5004	5004	-109.13	0.647	-0.005	0.068	0.186	-834.266	1
5004_5005	5004	5005	-12.107	2.575	-0.003	0.012	0.089	-92.994	1
5005_5005	5005	5005	-121.408	-6.586	-0.006	-0.113	0.144	-927.612	1
5005_5006	5005	5006	-14.672	2.575	-0.003	-0.007	0.054	-112.429	1
5006_5006	5006	5006	-125.012	-2.596	0.005	0.157	0.082	-955.012	1
5006_5007	5006	5007	-17.242	2.602	0.002	0.024	0.085	-132.035	1
5007_5007	5007	5007	-131.591	-9.458	0.005	-0.196	0.156	-1004.816	1
5007_5008	5007	5008	-19.821	2.605	0.002	-0.024	0.113	-151.677	1
5008_5008	5008	5008	-130.519	-5.131	-0.003	0.163	0.232	-996.559	1
5008_5009	5008	5009	-22.471	2.662	-0.001	0.029	0.105	-171.764	1
5009_5009	5009	5009	-133.079	-11.922	-0.003	-0.195	0.206	-1015.788	1
5009_5010	5009	5010	-25.121	2.662	-0.001	-0.034	0.096	-191.845	1
5010_5010	5010	5010	-128.294	-20.702	0.006	-0.013	0.156	-979.683	1
5010_5011	5010	5011	-27.877	2.769	0.002	-0.004	0.118	-212.736	1
5011_5011	5011	5011	-128.237	-27.25	0.006	-0.01	0.237	-979.076	1
5011_5012	5011	5012	-30.633	2.769	0.002	-0.004	0.14	-233.622	1
5012_5012	5012	5012	-120.819	-23.569	-0.013	0.047	0.307	-922.659	1
5012_5013	5012	5013	-33.594	2.99	-0.001	0.014	0.132	-256.124	1
5013_5013	5013	5013	-116.93	-30.149	-0.013	-0.083	0.153	-892.991	1
5013_5014	5013	5014	-36.568	2.99	-0.001	-0.027	0.124	-278.664	1
5014_5014	5014	5014	-105.864	-28.335	0.024	0.027	0.01	-808.937	1
5014_5015	5014	5015	-40.875	3.295	0.005	0.015	0.198	-311.415	1
5015_5015	5015	5015	-101.664	-36.12	0.014	-0.045	0.253	-731.596	1
5015_5016	5015	5016	-45.896	3.162	0.003	-0.02	0.163	-337.122	1
5016_5016	5016	5016	-88.706	-19.648	-0.008	0.022	0.319	-657.427	1
5016_5017	5016	5017	-45.566	3.693	-0.003	0.016	0.129	-371.992	1
5017_5017	5017	5017	-69.662	-26.227	-0.008	-0.041	0.201	-589.319	1
5017_5018	5017	5018	-41.419	3.679	-0.003	-0.027	0.082	-418.683	1
5018_5018	5018	5018	-42.898	-28.974	0.002	0.007	0.09	-458.236	1
5018_5019	5018	5019	-36.768	4.266	0.003	0.022	0.12	-469.66	1
5019_5019	5019	5019	-21.3	-35.14	0.001	-0.03	0.097	-318.792	1
5019_5020	5019	5020	-38.786	26.348	0.003	-0.013	-0.203	-586.356	1
5020_5020	5020	5020	-60.787	-0.076	-0.017	0.008	0.448	-216.855	1
5020_5021	5020	5021	-23.478	-15.547	0.003	0.009	0.054	-232.928	1
5021_5021	5021	5021	-67.677	-4.016	-0.012	0.007	0.207	-291.073	1
5021_5022	5021	5022	-12.581	-11.205	0.002	0.003	0.095	-159.777	1
5022_5022	5022	5022	-72.436	-7.974	-0.007	-0.027	0.106	-344.61	1
5022_5023	5022	5023	-0.796	-7.464	-0.001	-0.014	0.13	-116.095	1
5023_5023	5023	5023	-74.977	-7.695	-0.004	-0.009	0.044	-384.06	1
5023_5024	5023	5024	7.407	-0.309	-0.004	-0.004	0.193	-107.567	1
5024_5024	5024	5024	-78.624	-12.05	-0.006	0.047	0.005	-429.57	1
5024_5025	5024	5025	7.637	-0.309	0.001	0.01	0.2	-106.023	1
5025_5025	5025	5025	-79.664	-16.879	-0.001	-0.061	-0.04	-455.225	1
5025_5026	5025	5026	7.489	-0.295	-0.007	-0.017	0.139	-104.524	1
5026_5026	5026	5026	-78.41	-14.322	-0.003	0.007	-0.047	-460.965	1
5026_5027	5026	5027	7.468	0.038	-0.004	0	0.114	-104.667	1
5027_5027	5027	5027	-79.923	-17.959	-0.002	0.018	-0.062	-479.228	1
5027_5028	5027	5028	6.652	0.039	-0.004	0.002	0.09	-104.812	1
5028_5028	5028	5028	-80.136	-21.88	-0.002	0.013	-0.069	-486.297	1
5028_5029	5028	5029	6.63	0.039	-0.004	0	0.064	-104.96	1
5029_5029	5029	5029	-78.255	-25.93	0	-0.059	-0.072	-477.52	1
5029_5030	5029	5030	6.608	0.039	-0.009	-0.016	0.009	-105.108	1
5030_5030	5030	5030	-76.435	-11.898	0.002	0.031	-0.035	-457.059	1
5030_5031	5030	5031	6.954	0.603	-0.006	0.005	-0.042	-108.113	1
5031_5031	5031	5031	-76.877	-17.133	0.004	-0.017	-0.01	-450.017	1
5031_5032	5031	5032	6.864	0.619	-0.01	-0.008	-0.124	-111.203	1
5032_5032	5032	5032	-74.886	-21.966	0.005	-0.013	0.036	-423.052	1
5032_5033	5032	5033	6.401	0.619	-0.01	-0.008	-0.206	-114.304	1
5033_5033	5033	5033	-70.229	-21.646	0.007	0.005	0.095	-376.383	1
5033_5034	5033	5034	-8.988	11.115	-0.002	0.008	0.13	-153.069	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5034_5034	5034	5034	-66.646	-26.042	0.008	0.007	0.171	-335.809	1
5034_5035	5034	5035	-23.116	15.421	-0.003	0.008	0.065	-219.835	1
5035_5035	5035	5035	-59.935	-30.114	0.016	-0.021	0.343	-285.874	1
5035_5036	5035	5036	-40.887	23.334	-0.006	-0.017	-0.061	-351.097	1
5036_5036	5036	5036	-12.058	-2.739	0.001	0.007	-0.198	-125.724	1
5036_5037	5036	5037	-51.572	-18.23	-0.006	0.056	-0.478	-438.154	1
5037_5037	5037	5037	-14.096	-0.725	-0.002	-0.04	0.176	-291.728	1
5037_5038	5037	5038	-26.29	-5.932	-0.005	-0.062	0.19	-371.867	1
5038_5038	5038	5038	-30.145	-2.824	0.005	0.048	0.178	-415.548	1
5038_5039	5038	5039	-28.13	-4.903	0.007	0.042	0.271	-318.12	1
5039_5039	5039	5039	-51.179	-9.233	0.002	-0.05	0.278	-521.183	1
5039_5040	5039	5040	-27.454	-4.629	0.004	-0.03	0.323	-275.042	1
5040_5040	5040	5040	-63.234	-7.698	-0.008	0.027	0.338	-568.291	1
5040_5041	5040	5041	-25.525	-3.799	-0.007	0.014	0.262	-253.618	1
5041_5041	5041	5041	-81.142	-12.817	-0.005	-0.011	0.135	-571.813	1
5041_5042	5041	5042	-23.939	-3.69	-0.004	-0.004	0.063	-198.53	1
5042_5042	5042	5042	-86.871	-10.628	0.002	-0.001	0.075	-609.959	1
5042_5043	5042	5043	-20.123	-3.217	0.001	0	0.079	-175.427	1
5043_5043	5043	5043	-95.565	-17.244	0.002	0	0.098	-662.395	1
5043_5044	5043	5044	-16.307	-3.217	0.001	0	0.094	-152.321	1
5044_5044	5044	5044	-97.449	-13.635	-0.001	-0.004	0.125	-671.597	1
5044_5045	5044	5045	-12.722	-3.021	-0.001	-0.001	0.085	-130.612	1
5045_5045	5045	5045	-104.944	-9.727	0	0.002	0.114	-708.886	1
5045_5046	5045	5046	-16.047	3.069	-0.001	0.001	0.059	-115.562	1
5046_5046	5046	5046	-102.881	-5.639	0	0.044	0.114	-694.571	1
5046_5047	5046	5047	-19.738	3.11	0	0.01	0.06	-137.911	1
5047_5047	5047	5047	-105.142	-23.926	-0.002	-0.051	0.108	-710.021	1
5047_5048	5047	5048	-23.425	3.11	0	-0.009	0.056	-160.237	1
5048_5048	5048	5048	-99.686	-9.066	-0.002	0.042	0.084	-673.203	1
5048_5049	5048	5049	-27.256	3.229	0	0.013	0.05	-183.435	1
5049_5049	5049	5049	-98.257	-16.529	-0.003	-0.05	0.062	-663.651	1
5049_5050	5049	5050	-30.896	3.241	-0.001	-0.014	0.037	-206.701	1
5050_5050	5050	5050	-89.808	-12.821	0.002	0.019	0.02	-610.389	1
5050_5051	5050	5051	-36.414	3.532	-0.001	0.01	0.023	-240.111	1
5051_5051	5051	5051	-79.495	-22.175	0.001	-0.063	0.054	-593.276	1
5051_5052	5051	5052	-36.289	3.503	-0.001	-0.027	0.015	-268.659	1
5052_5052	5052	5052	-70.17	-18.283	0.001	0.042	0.058	-543.555	1
5052_5053	5052	5053	-36.85	3.989	0.001	0.031	0.025	-303.563	1
5053_5053	5053	5053	-50.693	-24.988	0	-0.096	0.07	-532.727	1
5053_5054	5053	5054	-30.878	4.183	0	-0.059	0.029	-369.795	1
5054_5054	5054	5054	-30.49	-27.859	0	0.021	0.069	-423.669	1
5054_5055	5054	5055	-47.182	18.636	0.001	0.066	-0.122	-423.96	1
5055_5055	5055	5055	-13.589	-34.29	-0.001	-0.052	0.043	-299.861	1
5055_5056	5055	5056	-53.152	25.833	0.004	-0.046	-0.088	-627.644	1
5056_5056	5056	5056	-55.709	-0.129	-0.008	0.001	0.212	-223.271	1
5056_5057	5056	5057	-17.572	-15.269	0.003	-0.002	0.011	-210.5	1
5057_5057	5057	5057	-63.561	-4.255	-0.007	0.028	0.114	-311.278	1
5057_5058	5057	5058	-3.887	-9.229	0.003	0.013	0.06	-149.347	1
5058_5058	5058	5058	-68.987	-8.354	-0.004	-0.056	0.054	-372.747	1
5058_5059	5058	5059	7.58	-1.519	0.006	-0.013	-0.03	-131.585	1
5059_5059	5059	5059	-72.04	-8.04	-0.007	0.108	0.021	-417.48	1
5059_5060	5059	5060	8.189	-0.881	0.011	0.046	0.058	-126.96	1
5060_5060	5060	5060	-76.019	-12.465	-0.002	-0.074	-0.035	-467.958	1
5060_5061	5060	5061	8.797	-0.881	0.004	-0.012	0.092	-122.342	1
5061_5061	5061	5061	-77.456	-17.36	-0.002	-0.064	-0.052	-496.768	1
5061_5062	5061	5062	8.871	-0.862	0.004	-0.011	0.126	-117.753	1
5062_5062	5062	5062	-76.619	-14.614	-0.002	0.053	-0.066	-503.68	1
5062_5063	5062	5063	9.007	-0.264	0.005	0.025	0.157	-116.719	1
5063_5063	5063	5063	-77.138	-8.204	0	0.084	-0.062	-524.112	1
5063_5064	5063	5064	9.143	-0.264	0.006	0.027	0.191	-115.684	1
5064_5064	5064	5064	-78.498	-12.232	0.001	-0.085	-0.063	-531.94	1
5064_5065	5064	5065	9.28	-0.264	0.001	-0.011	0.195	-114.647	1
5065_5065	5065	5065	-77.097	-26.209	0.001	-0.081	-0.066	-523.121	1
5065_5066	5065	5066	9.416	-0.264	0.001	-0.011	0.199	-113.609	1
5066_5066	5066	5066	-76.073	-11.74	0.002	0.031	-0.038	-502.39	1
5066_5067	5066	5067	9.859	0.128	0.002	0.017	0.219	-114.275	1
5067_5067	5067	5067	-76.686	-17.011	0.002	0.034	-0.018	-494.825	1
5067_5068	5067	5068	9.094	0.5	-0.005	0.002	-0.05	-115.12	1
5068_5068	5068	5068	-75.042	-21.893	0.004	-0.075	0.006	-465.603	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5068_5069	5068	5069	8.749	0.5	-0.008	-0.027	-0.115	-117.742	1
5069_5069	5069	5069	-70.899	-21.436	0.003	0.061	0.052	-415.107	1
5069_5070	5069	5070	-3.692	9.383	0	0.038	0.108	-152.824	1
5070_5070	5070	5070	-67.754	-25.934	0.007	-0.02	0.089	-370.883	1
5070_5071	5070	5071	-17.921	15.348	-0.002	0	0.045	-215.102	1
5071_5071	5071	5071	-62.107	-30.038	0.01	-0.042	0.184	-310.081	1
5071_5072	5071	5072	-34.582	23.051	-0.004	-0.017	-0.032	-331.2	1
5072_5072	5072	5072	-11.487	-0.176	-0.002	0.031	0.17	-133.425	1
5072_5073	5072	5073	-26.837	-4.93	-0.002	0.081	0.153	-432.62	1
5073_5073	5073	5073	-15.66	-0.709	-0.003	-0.039	0.136	-302.846	1
5073_5074	5073	5074	-30.262	-4.694	-0.003	-0.058	0.13	-379.348	1
5074_5074	5074	5074	-31.518	-2.879	0	0.081	0.121	-430.405	1
5074_5075	5074	5075	-33.054	-3.992	-0.001	0.069	0.119	-332.232	1
5075_5075	5075	5075	-57.885	-9.406	-0.003	-0.063	0.093	-511.123	1
5075_5076	5075	5076	-36.349	-3.836	-0.001	-0.038	0.074	-277.998	1
5076_5076	5076	5076	-71.101	-7.679	0.002	0.047	0.068	-558.735	1
5076_5077	5076	5077	-34.782	-3.293	0.001	0.025	0.083	-259.534	1
5077_5077	5077	5077	-74.43	-12.398	0.001	-0.05	0.126	-623.861	1
5077_5078	5077	5078	-28.121	-3.333	0.001	-0.02	0.137	-233.747	1
5078_5078	5078	5078	-80.842	-10.826	0.002	0.092	0.139	-672.825	1
5078_5079	5078	5079	-25.129	-3.079	0	0.033	0.134	-212.06	1
5079_5079	5079	5079	-90.881	-5.848	0	-0.119	0.163	-738.659	1
5079_5080	5079	5080	-22.138	-3.079	-0.001	-0.034	0.118	-190.373	1
5080_5080	5080	5080	-93.73	-1.732	0	0.121	0.169	-756.561	1
5080_5081	5080	5081	-19.295	-2.925	0	0.027	0.117	-169.77	1
5081_5081	5081	5081	-100.399	-8.689	-0.003	-0.125	0.166	-802.901	1
5081_5082	5081	5082	-16.453	-2.925	-0.001	-0.027	0.105	-149.167	1
5082_5082	5082	5082	-99.948	-4.202	0.001	0.001	0.131	-798.551	1
5082_5083	5082	5083	-14.253	2.752	0	0.001	0.091	-128.208	1
5083_5083	5083	5083	-103.568	-11.671	0.001	-0.003	0.136	-824.745	1
5083_5084	5083	5084	-17.127	2.752	0	0	0.091	-149.042	1
5084_5084	5084	5084	-99.513	-19.219	0	0.099	0.146	-795.378	1
5084_5085	5084	5085	-19.857	2.81	0.001	0.026	0.102	-168.835	1
5085_5085	5085	5085	-99.807	-25.885	-0.003	-0.133	0.144	-797.491	1
5085_5086	5085	5086	-22.347	2.817	0	-0.028	0.103	-188.657	1
5086_5086	5086	5086	-92.961	-21.963	-0.003	0.093	0.113	-748.745	1
5086_5087	5086	5087	-25.223	2.961	-0.002	0.034	0.082	-209.508	1
5087_5087	5087	5087	-90.078	-28.656	-0.006	-0.122	0.079	-729.436	1
5087_5088	5087	5088	-28.102	2.961	-0.003	-0.035	0.05	-230.376	1
5088_5088	5088	5088	-81.013	-13.758	0.004	0.043	0.019	-667.167	1
5088_5089	5088	5089	-31.902	3.196	0.002	0.02	0.073	-257.927	1
5089_5089	5089	5089	-73.439	-21.935	0.001	-0.099	0.059	-651.148	1
5089_5090	5089	5090	-32.566	3.178	0.001	-0.043	0.073	-288.776	1
5090_5090	5090	5090	-64.341	-18.041	0.002	0.087	0.07	-594.764	1
5090_5091	5090	5091	-32.645	3.674	0.001	0.061	0.082	-322.545	1
5091_5091	5091	5091	-50.014	-24.849	-0.001	-0.1	0.082	-549.756	1
5091_5092	5091	5092	-29.305	3.82	-0.001	-0.061	0.091	-370.707	1
5092_5092	5092	5092	-29.303	-27.603	0.002	0.008	0.071	-431.695	1
5092_5093	5092	5093	-25.801	4.417	0.001	0.024	0.103	-420.532	1
5093_5093	5093	5093	-12.438	-34.207	0	-0.03	0.081	-302.112	1
5093_5094	5093	5094	-47.476	22.908	0.003	-0.018	-0.103	-590.34	1
5094_5094	5094	5094	-53.741	-0.064	-0.009	0.021	0.227	-223.079	1
5094_5095	5094	5095	-16.775	-14.887	0	0.017	0.037	-210.853	1
5095_5095	5095	5095	-59.541	-4.248	-0.008	0.011	0.148	-318.243	1
5095_5096	5095	5096	-2.715	-9.058	0	0.003	0.09	-153.989	1
5096_5096	5096	5096	-64.449	-8.443	-0.002	-0.073	0.083	-381.573	1
5096_5097	5096	5097	9.999	-1.106	0.003	-0.02	-0.063	-127.977	1
5097_5097	5097	5097	-67.071	-7.97	-0.003	0.021	0.061	-427.031	1
5097_5098	5097	5098	10.361	-0.559	0.006	0.016	-0.018	-124.939	1
5098_5098	5098	5098	-70.673	-12.471	-0.003	0.028	0.032	-479.426	1
5098_5099	5098	5099	9.72	-0.521	0.005	0.016	0.028	-121.974	1
5099_5099	5099	5099	-71.884	-17.469	0	-0.085	0.01	-509.03	1
5099_5100	5099	5100	10.055	-0.521	0	-0.013	0.03	-119.146	1
5100_5100	5100	5100	-70.94	-14.424	0.001	-0.128	0.008	-515.286	1
5100_5101	5100	5101	10.07	-0.032	-0.001	-0.032	0.025	-119.017	1
5101_5101	5101	5101	-71.465	-8.186	0.005	-0.338	0.014	-537.155	1
5101_5102	5101	5102	10.085	-0.032	-0.008	-0.071	-0.024	-118.887	1
5102_5102	5102	5102	-72.816	-12.29	-0.004	0.362	0.049	-545.819	1
5102_5103	5102	5103	10.1	-0.032	0.021	0.085	0.1	-118.758	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5103_5103	5103	5103	-72.334	-16.271	-0.001	0.147	0.032	-536.975	1
5103_5104	5103	5104	10.116	-0.032	0.014	0.047	0.182	-118.629	1
5104_5104	5104	5104	-70.673	-11.515	0	0.076	0.032	-515.512	1
5104_5105	5104	5105	9.237	0.604	-0.001	0.014	-0.074	-120.503	1
5105_5105	5105	5105	-71.516	-16.914	0.002	-0.036	0.04	-509.222	1
5105_5106	5105	5106	8.85	0.604	-0.006	-0.015	-0.123	-123.778	1
5106_5106	5106	5106	-70.204	-21.911	0.003	-0.031	0.069	-479.599	1
5106_5107	5106	5107	8.462	0.604	-0.006	-0.016	-0.174	-127.057	1
5107_5107	5107	5107	-66.494	-21.293	0.004	0.014	0.107	-427.12	1
5107_5108	5107	5108	-2.24	9.028	0.001	0.018	0.122	-154.776	1
5108_5108	5108	5108	-63.781	-25.933	0.004	0.021	0.153	-381.579	1
5108_5109	5108	5109	-15.47	14.892	0	0.018	0.057	-215.99	1
5109_5109	5109	5109	-60.382	-30.056	0.008	-0.033	0.185	-301.292	1
5109_5110	5109	5110	-32.461	22.405	-0.002	-0.021	-0.023	-324.001	1
5110_5110	5110	5110	-9.913	-0.945	-0.001	0.03	0.126	-161.911	1
5110_5111	5110	5111	-26.004	-4.922	-0.001	0.077	0.169	-431.626	1
5111_5111	5111	5111	-15.635	-0.876	-0.003	-0.038	0.138	-306.936	1
5111_5112	5111	5112	-29.465	-4.643	-0.002	-0.055	0.155	-378.516	1
5112_5112	5112	5112	-30.954	-2.984	0.004	0.047	0.108	-433.738	1
5112_5113	5112	5113	-31.916	-4.055	0.002	0.042	0.179	-331.143	1
5113_5113	5113	5113	-51.599	-9.82	0.001	-0.065	0.137	-539.955	1
5113_5114	5113	5114	-32.311	-3.928	0.001	-0.04	0.157	-290.782	1
5114_5114	5114	5114	-62.628	-8.113	-0.007	0.019	0.17	-585.103	1
5114_5115	5114	5115	-30.615	-3.509	-0.004	0.011	0.121	-270.349	1
5115_5115	5115	5115	-78.823	-12.756	-0.006	-0.006	0.097	-572.551	1
5115_5116	5115	5116	-29.69	-3.49	-0.004	-0.003	0.052	-213.541	1
5116_5116	5116	5116	-83.535	-10.733	0.005	0.03	0.001	-605.628	1
5116_5117	5116	5117	-26.333	-3.202	0.002	0.011	0.07	-192.041	1
5117_5117	5117	5117	-91.3	-17.182	0.005	-0.037	0.059	-655.501	1
5117_5118	5117	5118	-22.975	-3.202	0.001	-0.011	0.084	-170.542	1
5118_5118	5118	5118	-92.994	-13.231	-0.004	0.03	0.114	-664.997	1
5118_5119	5118	5119	-19.741	-3.084	-0.001	0.007	0.069	-149.834	1
5119_5119	5119	5119	-99.129	-19.871	-0.005	-0.042	0.073	-702.63	1
5119_5120	5119	5120	-16.507	-3.084	-0.002	-0.01	0.049	-129.127	1
5120_5120	5120	5120	-98.094	-15.504	0.003	0.091	0.018	-694.427	1
5120_5121	5120	5121	-13.1	-3.023	0	0.016	0.052	-107.306	1
5121_5121	5121	5121	-102.057	-22.789	0	-0.114	0.052	-718.752	1
5121_5122	5121	5122	-10.129	1.991	-0.001	-0.013	0.018	-95.736	1
5122_5122	5122	5122	-96.983	-18.867	-0.001	0.029	0.051	-686.17	1
5122_5123	5122	5123	-12.281	2.052	0.001	0.006	0.025	-109.515	1
5123_5123	5123	5123	-96.793	-25.739	-0.002	-0.041	0.035	-685.827	1
5123_5124	5123	5124	-14.272	2.056	0	-0.007	0.027	-123.305	1
5124_5124	5124	5124	-88.679	-21.645	0	0.053	0.012	-635.646	1
5124_5125	5124	5125	-16.546	2.208	0	0.015	0.022	-138.121	1
5125_5125	5125	5125	-85.115	-28.547	-0.002	-0.072	0.015	-615.33	1
5125_5126	5125	5126	-18.862	2.208	-0.001	-0.016	0.006	-152.949	1
5126_5126	5126	5126	-74.435	-14.022	0	0.025	-0.014	-553.671	1
5126_5127	5126	5127	-21.949	2.501	0	0.01	0.01	-173.418	1
5127_5127	5127	5127	-70.427	-22.272	-0.002	-0.037	-0.023	-519.94	1
5127_5128	5127	5128	-24.099	2.493	0	-0.013	0.006	-189.394	1
5128_5128	5128	5128	-60.499	-18.061	0.001	0.032	-0.03	-468.63	1
5128_5129	5128	5129	-24.634	3.08	0	0.02	0.006	-215.713	1
5129_5129	5129	5129	-41.715	-25.003	-0.003	-0.078	-0.048	-458.382	1
5129_5130	5129	5130	-42.441	15.441	0.003	-0.024	-0.011	-313.102	1
5130_5130	5130	5130	-22.491	-26.864	0.011	0.011	-0.099	-349.332	1
5130_5131	5130	5131	-49.02	18.385	-0.001	0.03	-0.014	-461.71	1
5131_5131	5131	5131	-7.511	-33.529	0.01	-0.015	0.024	-236.063	1
5131_5132	5131	5132	-55.227	24.972	-0.001	-0.028	-0.047	-660.473	1
5132_5132	5132	5132	-52.289	0.383	0.008	-0.095	0.014	-181.21	1
5132_5133	5132	5133	-19.87	-16.172	-0.001	-0.057	-0.034	-202.761	1
5133_5133	5133	5133	-60.822	-3.882	0.01	-0.135	0.072	-261.264	1
5133_5134	5133	5134	7.344	-1.836	-0.02	-0.072	-0.217	-136.519	1
5134_5134	5134	5134	-66.408	-8.173	-0.019	0.313	0.131	-318.13	1
5134_5135	5134	5135	7.917	-1.784	0.02	0.135	-0.061	-127.706	1
5135_5135	5135	5135	-69.496	-7.107	0.003	0.02	-0.031	-359.159	1
5135_5136	5135	5136	8.899	-1.333	0.001	0.01	-0.05	-120.998	1
5136_5136	5136	5136	-74.137	-11.719	0.006	-0.035	-0.007	-409.717	1
5136_5137	5136	5137	9.884	-1.333	-0.002	-0.008	-0.069	-114.275	1
5137_5137	5137	5137	-75.79	-16.84	0.003	0.028	0.036	-438.085	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5137_5138	5137	5138	9.878	-1.292	0.002	0.009	-0.056	-107.697	1
5138_5138	5138	5138	-74.716	-13.63	-0.003	0.038	0.06	-443.999	1
5138_5139	5138	5139	10.329	-0.813	0.004	0.012	-0.031	-104.616	1
5139_5139	5139	5139	-75.094	-8.22	-0.001	-0.045	0.033	-467.802	1
5139_5140	5139	5140	10.78	-0.813	-0.001	-0.008	-0.035	-101.54	1
5140_5140	5140	5140	-76.507	-12.459	-0.002	0.049	0.027	-476.861	1
5140_5141	5140	5141	11.459	-0.811	0.004	0.012	-0.01	-98.464	1
5141_5141	5141	5141	-75.667	-16.566	0	-0.045	0.017	-468.986	1
5141_5142	5141	5142	11.909	-0.811	-0.001	-0.008	-0.015	-95.396	1
5142_5142	5142	5142	-73.356	-11.575	0	0.002	0.014	-448.953	1
5142_5143	5142	5143	2.897	1.699	0.002	0	-0.022	-97.093	1
5143_5143	5143	5143	-73.953	-17.105	0	0.002	0.02	-444.478	1
5143_5144	5143	5144	1.88	1.706	0.002	0	-0.009	-105.668	1
5144_5144	5144	5144	-71.829	-22.233	0	0.002	0.023	-417.441	1
5144_5145	5144	5145	0.619	1.706	0.002	0	0.004	-114.272	1
5145_5145	5145	5145	-66.735	-21.658	-0.001	-0.008	0.025	-368.111	1
5145_5146	5145	5146	-6.9	10.056	0.002	-0.01	0.006	-139.214	1
5146_5146	5146	5146	-62.784	-26.389	-0.001	-0.01	0.014	-325.358	1
5146_5147	5146	5147	-20.582	15.795	0.002	-0.011	0.015	-201.084	1
5147_5147	5147	5147	-55.402	-30.763	-0.004	0.036	0.005	-270.122	1
5147_5148	5147	5148	-37.18	21.922	0.003	0.026	0.037	-325.443	1
5148_5148	5148	5148	-7.457	-1.3	0	0.012	0.042	-142.073	1
5148_5149	5148	5149	-56.124	-16.228	0	0.028	-0.031	-411.723	1
5149_5149	5149	5149	-10.256	-1.125	0	-0.018	-0.009	-269.555	1
5149_5150	5149	5150	-21.912	-5.483	-0.002	-0.024	0.034	-329.599	1
5150_5150	5150	5150	-24.411	-3.317	0	0.009	0.002	-384.727	1
5150_5151	5150	5151	-23.298	-4.702	0.001	0.01	0.043	-279.11	1
5151_5151	5151	5151	-48.548	-9.852	0	-0.004	0	-448.783	1
5151_5152	5151	5152	-25.719	-4.289	0	-0.002	0.04	-222.772	1
5152_5152	5152	5152	-58.84	-8.179	0	0.001	-0.001	-481.589	1
5152_5153	5152	5153	-23.447	-3.749	0	0.001	0.038	-202.778	1
5153_5153	5153	5153	-71.394	-12.683	0	0.001	0.001	-499.182	1
5153_5154	5153	5154	-20.269	-3.674	0	0	0.03	-163.695	1
5154_5154	5154	5154	-74.657	-11.002	0	0.001	0.005	-523.697	1
5154_5155	5154	5155	-16.365	-3.432	0	0	0.029	-141.562	1
5155_5155	5155	5155	-81.47	-17.492	0	0.001	0.007	-564.812	1
5155_5156	5155	5156	-12.461	-3.432	0	0	0.028	-119.429	1
5156_5156	5156	5156	-81.788	-14.383	0.001	0.001	0.009	-567.33	1
5156_5157	5156	5157	-9.005	-3.338	0	0	0.029	-99.838	1
5157_5157	5157	5157	-85.79	-20.543	0.001	0.002	0.017	-590.159	1
5157_5158	5157	5158	-5.828	-3.334	0	0	0.029	-80.288	1
5158_5158	5158	5158	-83.417	-16.896	-0.002	-0.016	0.027	-576.537	1
5158_5159	5158	5159	-6.934	2.921	0	-0.003	0.022	-88.884	1
5159_5159	5159	5159	-85.327	-13.156	0	0.02	0.013	-588.188	1
5159_5160	5159	5160	-9.959	2.921	0.001	0.003	0.027	-106.03	1
5160_5160	5160	5160	-81.123	-9.088	-0.001	0.001	0.019	-564.551	1
5160_5161	5160	5161	-13.423	3.045	0	0	0.023	-125.67	1
5161_5161	5161	5161	-80.563	-16.203	-0.001	0.001	0.012	-561.053	1
5161_5162	5161	5162	-16.888	3.045	0	0	0.02	-145.31	1
5162_5162	5162	5162	-73.54	-12.808	0.003	0.009	0	-519.135	1
5162_5163	5162	5163	-21.403	3.372	0.002	0.003	0.049	-172.426	1
5163_5163	5163	5163	-66.361	-21.169	0.002	-0.019	0.049	-508.281	1
5163_5164	5163	5164	-22.346	3.438	0.002	-0.007	0.067	-196.269	1
5164_5164	5164	5164	-58.018	-17.502	-0.003	-0.018	0.071	-466.294	1
5164_5165	5164	5165	-23.878	4.131	-0.002	-0.011	0.042	-229.871	1
5165_5165	5165	5165	-42.427	-24.149	-0.001	0.029	0.048	-451.136	1
5165_5166	5165	5166	-20.64	4.57	-0.001	0.015	0.028	-287.884	1
5166_5166	5166	5166	-22.811	-27.146	0.001	0.007	0.022	-354.204	1
5166_5167	5166	5167	-59.452	17.685	-0.001	0.022	-0.048	-422.007	1
5167_5167	5167	5167	-6.616	-33.595	0	-0.015	0.022	-242.128	1
5167_5168	5167	5168	-65.628	23.707	0.001	-0.02	-0.042	-611.379	1
5168_5168	5168	5168	-49.255	0.817	-0.001	0.01	0.034	-177.191	1
5168_5169	5168	5169	-21.807	-16.573	0	0.015	0.016	-206.444	1
5169_5169	5169	5169	-59.41	-3.265	0.001	-0.022	0.015	-257.029	1
5169_5170	5169	5170	-8.6	-10.496	-0.001	-0.014	0.012	-134.811	1
5170_5170	5170	5170	-66.534	-7.359	-0.001	0.02	0.018	-314.787	1
5170_5171	5170	5171	-0.458	-2.251	0.002	0.006	-0.02	-114.924	1
5171_5171	5171	5171	-71.117	-7.084	0.001	-0.029	0.014	-357.73	1
5171_5172	5171	5172	0.827	-1.636	-0.001	-0.009	-0.028	-106.957	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5172_5172	5172	5172	-76.782	-11.549	0	0.018	0.015	-406.386	1
5172_5173	5172	5173	1.865	-1.632	0.001	0.006	-0.021	-99.012	1
5173_5173	5173	5173	-79.464	-16.51	0	0.016	0.01	-434.83	1
5173_5174	5173	5174	3.143	-1.632	0.001	0.006	-0.015	-91.072	1
5174_5174	5174	5174	-79.392	-13.791	0	-0.034	0.007	-442.703	1
5174_5175	5174	5175	3.798	-1.113	-0.001	-0.007	-0.02	-87.007	1
5175_5175	5175	5175	-81.707	-8.026	0	0.042	0.002	-462.783	1
5175_5176	5175	5176	4.451	-1.113	0.001	0.009	-0.011	-82.946	1
5176_5176	5176	5176	-82.865	-21.494	0	-0.04	0.003	-471.083	1
5176_5177	5176	5177	9.186	0.939	-0.002	-0.009	0.026	-86.27	1
5177_5177	5177	5177	-81.497	-25.621	0	0.042	0.005	-463.637	1
5177_5178	5177	5178	8.373	0.94	0.001	0.006	0.031	-89.699	1
5178_5178	5178	5178	-80.931	-11.832	0	0.016	0	-443.501	1
5178_5179	5178	5179	7.441	1.524	0	0.003	0.027	-97.109	1
5179_5179	5179	5179	-81.53	-17.18	0	0.017	-0.003	-436.108	1
5179_5180	5179	5180	6.247	1.524	0	0.003	0.023	-104.526	1
5180_5180	5180	5180	-79.37	-22.131	0.001	-0.035	-0.005	-408.251	1
5180_5181	5180	5181	5.053	1.524	-0.003	-0.011	0.001	-111.943	1
5181_5181	5181	5181	-74.208	-21.861	0	0.018	0.003	-360.176	1
5181_5182	5181	5182	-10.478	10.527	0.001	0.004	0.004	-132.752	1
5182_5182	5182	5182	-70.045	-26.371	0.001	-0.022	0.003	-317.436	1
5182_5183	5182	5183	-24.14	16.569	-0.001	-0.014	-0.002	-197.511	1
5183_5183	5183	5183	-63.262	-30.5	-0.001	0.015	0.015	-260.418	1
5183_5184	5183	5184	-42.426	22.813	0	0.015	-0.005	-319.667	1
5184_5184	5184	5184	-13.607	-2.411	0	-0.007	0.029	-115.151	1
5184_5185	5184	5185	-55.687	-18.597	0	-0.026	0.025	-420.48	1
5185_5185	5185	5185	-12.25	-0.223	0.001	0.014	-0.006	-232.739	1
5185_5186	5185	5186	-24.284	-4.445	0	0.019	0.007	-273.592	1
5186_5186	5186	5186	-28.639	-2.484	0.001	-0.008	0.002	-350.493	1
5186_5187	5186	5187	-25.705	-3.776	0.001	-0.005	0.018	-233.098	1
5187_5187	5187	5187	-53.179	-8.776	0.001	0.011	0.016	-435.473	1
5187_5188	5187	5188	-26.491	-3.552	0.001	0.006	0.025	-193.145	1
5188_5188	5188	5188	-66.417	-7.702	0	0.003	0.033	-481.445	1
5188_5189	5188	5189	-24.581	-3.072	0	0.002	0.027	-176.968	1
5189_5189	5189	5189	-77.461	-12.193	0	0.002	0.034	-536.983	1
5189_5190	5189	5190	-20.74	-3.089	0	0.001	0.028	-153.624	1
5190_5190	5190	5190	-83.497	-11.149	0.001	0.003	0.045	-577.074	1
5190_5191	5190	5191	-17.683	-2.821	0	0.001	0.032	-134.803	1
5191_5191	5191	5191	-91.551	-17.433	0.001	0.003	0.062	-626.156	1
5191_5192	5191	5192	-14.554	-2.819	0	0.001	0.036	-115.993	1
5192_5192	5192	5192	-93.365	-14.85	0	0.004	0.078	-636.692	1
5192_5193	5192	5193	-11.787	-2.701	0	0.001	0.04	-99.585	1
5193_5193	5193	5193	-98.26	-10.133	0	0.004	0.089	-663.81	1
5193_5194	5193	5194	-12.105	2.974	0.001	0.002	0.09	-95.446	1
5194_5194	5194	5194	-96.688	-6.702	0.001	0.004	0.096	-654.448	1
5194_5195	5194	5195	-15.256	3.074	0.001	0.002	0.104	-114.14	1
5195_5195	5195	5195	-98.7	-12.967	0.002	0.003	0.114	-666.519	1
5195_5196	5195	5196	-18.408	3.074	0.001	0.002	0.117	-132.835	1
5196_5196	5196	5196	-94.706	-9.474	0.001	0.003	0.134	-642.7	1
5196_5197	5196	5197	-21.738	3.3	0.001	0.001	0.126	-154.798	1
5197_5197	5197	5197	-93.708	-16.238	0.001	0.002	0.145	-636.17	1
5197_5198	5197	5198	-25.448	3.3	0.001	0.001	0.137	-176.807	1
5198_5198	5198	5198	-86.647	-13.452	0.001	0.002	0.152	-592.218	1
5198_5199	5198	5199	-30.722	3.755	0.001	0	0.15	-208.086	1
5199_5199	5199	5199	-79.605	-21.472	0.002	-0.001	0.176	-546.688	1
5199_5200	5199	5200	-31.957	3.743	0.001	-0.001	0.163	-222.678	1
5200_5200	5200	5200	-70.673	-18.825	0	-0.004	0.182	-504.209	1
5200_5201	5200	5201	-33.633	4.367	0.001	-0.004	0.17	-258.332	1
5201_5201	5201	5201	-50.771	-25.195	0.001	0	0.267	-495.741	1
5201_5202	5201	5202	-28.943	4.611	0.001	-0.004	0.272	-325.427	1
5202_5202	5202	5202	-29.832	-28.31	0.001	-0.018	0.241	-392.294	1
5202_5203	5202	5203	-55.112	19.944	-0.001	-0.014	-0.307	-440.619	1
5203_5203	5203	5203	-12.25	-34.256	0.002	-0.001	0.233	-273.038	1
5203_5204	5203	5204	-62.086	26.517	-0.002	0.044	-0.338	-646.879	1
5204_5204	5204	5204	-58.408	-0.311	-0.006	-0.014	0.434	-216.539	1
5204_5205	5204	5205	-21.92	-16.749	-0.001	-0.012	0.075	-226.782	1
5205_5205	5205	5205	-67.358	-4.134	-0.007	0.023	0.291	-300.777	1
5205_5206	5205	5206	-9.711	-12.118	-0.001	0.016	0.123	-154.211	1
5206_5206	5206	5206	-73.531	-7.911	-0.005	-0.026	0.211	-357.553	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5206_5207	5206	5207	4.175	-1.61	0.007	-0.002	-0.277	-123.713	1
5207_5207	5207	5207	-77.554	-7.919	-0.004	-0.002	0.152	-401.115	1
5207_5208	5207	5208	4.939	-1.011	0.007	0.009	-0.218	-118.674	1
5208_5208	5208	5208	-82.408	-12.094	-0.003	-0.001	0.107	-449.18	1
5208_5209	5208	5209	5.702	-1.011	0.007	0.009	-0.159	-113.635	1
5209_5209	5209	5209	-84.721	-16.718	-0.003	-0.001	0.069	-478.75	1
5209_5210	5209	5210	6.465	-1.011	0.007	0.009	-0.1	-108.597	1
5210_5210	5210	5210	-84.751	-14.815	-0.001	-0.04	0.039	-489.75	1
5210_5211	5210	5211	6.721	-0.451	0.004	-0.001	-0.077	-106.911	1
5211_5211	5211	5211	-86.036	-7.838	-0.001	0.047	-0.007	-511.058	1
5211_5212	5211	5212	6.976	-0.451	0.008	0.018	-0.032	-105.226	1
5212_5212	5212	5212	-87.68	-11.734	0.001	-0.047	-0.015	-519.564	1
5212_5213	5212	5213	8.377	-0.421	0.004	0	-0.012	-103.587	1
5213_5213	5213	5213	-87.24	-15.52	0	0.047	-0.011	-512.774	1
5213_5214	5213	5214	8.615	-0.421	0.008	0.018	0.035	-102.015	1
5214_5214	5214	5214	-85.46	-12.166	0.001	0.026	-0.008	-495.141	1
5214_5215	5214	5215	9.706	-0.002	0.004	0.015	0.067	-101.748	1
5215_5215	5215	5215	-85.679	-17.167	0.002	-0.034	-0.003	-486.164	1
5215_5216	5215	5216	11.736	0.201	0.001	0.001	0.072	-101.979	1
5216_5216	5216	5216	-83.603	-21.789	0.001	0.029	0.016	-458.64	1
5216_5217	5216	5217	4.344	6.795	0.002	0.013	0.045	-115.287	1
5217_5217	5217	5217	-78.946	-21.891	0	0.081	0.029	-412.469	1
5217_5218	5217	5218	-9.573	11.669	0.013	0.072	0.118	-158.119	1
5218_5218	5218	5218	-75.023	-26.053	0.003	0.046	0.038	-370.206	1
5218_5219	5218	5219	-23.242	16.676	0.011	0.051	0.167	-223.651	1
5219_5219	5219	5219	-68.78	-29.861	0.018	-0.169	0.085	-306.983	1
5219_5220	5219	5220	-41.925	23.554	0.004	-0.105	0.169	-339.17	1
5220_5220	5220	5220	-3.384	3.865	-0.002	0.053	0.088	-138.463	1
5220_5221	5220	5221	-31.84	-5.765	-0.005	0.121	0.139	-421.392	1
5221_5221	5221	5221	-18.094	-0.624	-0.005	-0.047	0.058	-297.036	1
5221_5222	5221	5222	-34.911	-5.499	-0.007	-0.075	0.07	-362.503	1
5222_5222	5222	5222	-35.842	-2.96	0.006	0.111	-0.027	-418.437	1
5222_5223	5222	5223	-36.375	-4.911	0.003	0.094	0.098	-309.738	1
5223_5223	5223	5223	-64.1	-8.785	0	-0.088	0.039	-489.699	1
5223_5224	5223	5224	-38.418	-4.726	0.001	-0.052	0.075	-250.144	1
5224_5224	5224	5224	-79.107	-8.297	0.004	0.118	0.054	-539.843	1
5224_5225	5224	5225	-35.641	-4.297	0.003	0.056	0.097	-228.052	1
5225_5225	5225	5225	-84.265	-13.367	0.002	-0.092	0.099	-623.625	1
5225_5226	5225	5226	-27.409	-4.376	0.002	-0.034	0.134	-200.208	1
5226_5226	5226	5226	-90.578	-12.778	0.003	0.154	0.152	-671.313	1
5226_5227	5226	5227	-22.843	-4.044	0	0.048	0.14	-170.729	1
5227_5227	5227	5227	-97.321	-7.187	0	-0.165	0.229	-720.113	1
5227_5228	5227	5228	-18.226	-4.044	-0.001	-0.039	0.132	-141.253	1
5228_5228	5228	5228	-97.848	-4.936	0.007	0.192	0.251	-723.85	1
5228_5229	5228	5229	-15.708	3.92	0.006	0.045	0.267	-134.045	1
5229_5229	5229	5229	-101.071	-11.858	0.003	-0.169	0.351	-744.429	1
5229_5230	5229	5230	-19.828	3.945	0.004	-0.023	0.312	-162.762	1
5230_5230	5230	5230	-96.48	-10.06	0.007	0.141	0.413	-714.451	1
5230_5231	5230	5231	-24.628	4.233	0.005	0.053	0.369	-194.387	1
5231_5231	5231	5231	-94.56	-17.005	0.004	-0.12	0.514	-700.147	1
5231_5232	5231	5232	-29.597	4.233	0.004	-0.024	0.413	-226.119	1
5232_5232	5232	5232	-85.883	-16.398	-0.006	0.109	0.566	-640.483	1
5232_5233	5232	5233	-33.543	4.78	-0.003	0.068	0.375	-253.05	1
5233_5233	5233	5233	-81.224	-21.411	-0.012	0.003	0.78	-610.397	1
5233_5234	5233	5234	-35.942	4.742	-0.006	0.012	0.548	-274.839	1
5234_5234	5234	5234	-73.914	-25.024	-0.015	-0.112	0.681	-571.744	1
5234_5235	5234	5235	-37.455	4.678	-0.007	-0.05	0.489	-300.351	1
5235_5235	5235	5235	-61.919	-25.189	0.09	0.095	0.563	-516.332	1
5235_5236	5235	5236	-37.914	5.066	0.046	0.081	0.74	-320.563	1
5236_5236	5236	5236	-43.886	-27.633	0.135	-0.051	1.609	-537.115	1
5236_5237	5236	5237	-30.808	5.396	0.068	-0.019	1.717	-391.669	1
5237_5237	5237	5237	-31.392	-31.415	0.126	-0.261	2.688	-464.545	1
5237_5238	5237	5238	-29.677	5.486	0.066	-0.207	2.139	-422.048	1
5238_5238	5238	5238	-22.154	-23.358	-0.155	0.127	3.456	-396.5	1
5238_5239	5238	5239	-28.256	7.879	-0.063	0.166	1.508	-484.732	1
5239_5239	5239	5239	-12.699	-28.061	-0.154	-0.082	1.738	-340.977	1
5239_5240	5239	5240	-57.825	19.236	0.118	-0.059	-0.799	-638.157	1
5240_5240	5240	5240	-73.386	-5.774	0.098	0.031	-0.82	-351.814	1
5240_5241	5240	5241	-5.646	-11.077	0.03	0.093	0.319	-230.279	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5241_5241	5241	5241	-79.787	-12.23	0.108	-0.235	0.304	-424.442	1
5241_5242	5241	5242	1.467	-9.3	0.027	-0.09	0.524	-187.875	1
5242_5242	5242	5242	-80.631	-15.646	0.11	-0.27	0.906	-443.331	1
5242_5243	5242	5243	10.525	-7.193	0.041	-0.126	1	-153.312	1
5243_5243	5243	5243	-79.528	-6.992	-0.072	0.122	1.554	-449.012	1
5243_5244	5243	5244	7.937	-0.376	0.047	0.071	-0.526	-126.415	1
5244_5244	5244	5244	-85.821	-11.679	-0.056	-0.143	0.778	-518.492	1
5244_5245	5244	5245	8.247	-0.376	0.036	-0.005	-0.175	-123.97	1
5245_5245	5245	5245	-89.163	-13.786	-0.021	0.147	0.184	-561.305	1
5245_5246	5245	5246	8.278	-0.031	0.026	0.055	0.09	-123.731	1
5246_5246	5246	5246	-92.379	-8.013	-0.003	-0.156	-0.178	-602.759	1
5246_5247	5246	5247	10.095	0.05	0.015	-0.02	0.233	-123.934	1
5247_5247	5247	5247	-93.626	-9.229	-0.017	0.175	-0.236	-606.579	1
5247_5248	5247	5248	9.774	0.418	0.005	0.059	0.28	-126.477	1
5248_5248	5248	5248	-94.707	-14.793	-0.009	-0.135	-0.444	-604.617	1
5248_5249	5248	5249	12.224	0.702	-0.007	-0.011	0.219	-130.388	1
5249_5249	5249	5249	-92.227	-17.362	-0.015	0.107	-0.557	-567.929	1
5249_5250	5249	5250	13.832	1.438	-0.024	0.057	-0.022	-138.037	1
5250_5250	5250	5250	-89.694	-22.664	-0.005	-0.112	-0.727	-525.827	1
5250_5251	5250	5251	5.275	8.496	-0.017	-0.008	0.071	-164.635	1
5251_5251	5251	5251	-84.848	-14.542	0.116	0.153	-0.723	-464.543	1
5251_5252	5251	5252	-2.459	9.678	0.037	0.109	0.412	-199.741	1
5252_5252	5252	5252	-86.437	-17.977	0.119	0.04	-0.012	-462.022	1
5252_5253	5252	5253	-11.326	11.969	0.007	0.047	0.427	-243.753	1
5253_5253	5253	5253	-86.907	-21.445	0.119	-0.154	0.68	-444.728	1
5253_5254	5253	5254	-23.871	14.199	-0.018	-0.069	0.08	-324.676	1
5254_5254	5254	5254	-12.008	-11.811	0.164	0.191	1.459	-280.352	1
5254_5255	5254	5255	-59.284	-15.886	0.024	-0.878	0.778	-618.07	1
5255_5255	5255	5255	-12.16	-2.459	-0.158	0.105	1.856	-291.479	1
5255_5256	5255	5256	-33.126	-7.532	-0.127	0.165	0.008	-479.043	1
5256_5256	5256	5256	-23.761	-7.915	-0.156	-0.167	-0.317	-396.787	1
5256_5257	5256	5257	-34.67	-7.302	-0.133	-0.197	-1.177	-423.764	1
5257_5257	5257	5257	-31.243	-1.311	0.061	0.205	-1.831	-439.484	1
5257_5258	5257	5258	-35.74	-5.198	0.039	0.215	-0.949	-394.749	1
5258_5258	5258	5258	-41.118	-3.643	0.057	0.064	-1.469	-502.689	1
5258_5259	5258	5259	-36.327	-5.183	0.037	0.067	-0.662	-363.015	1
5259_5259	5259	5259	-62.792	-6.371	0.032	-0.089	-0.682	-511.397	1
5259_5260	5259	5260	-41.95	-4.972	0.022	-0.055	-0.242	-300.445	1
5260_5260	5260	5260	-74.272	-6.299	0.025	0.154	-0.446	-556.233	1
5260_5261	5260	5261	-40.577	-4.715	0.015	0.088	-0.156	-281.097	1
5261_5261	5261	5261	-83.374	-9.028	0.023	0	-0.295	-598.034	1
5261_5262	5261	5262	-38.079	-4.834	0.014	0.006	-0.066	-261.272	1
5262_5262	5262	5262	-93.584	-12.158	0.017	-0.05	-0.099	-595.194	1
5262_5263	5262	5263	-33.601	-4.87	0.01	-0.018	0.068	-210.748	1
5263_5263	5263	5263	-99.919	-12.016	0.005	0.09	0.146	-637.328	1
5263_5264	5263	5264	-28.404	-4.503	0.003	0.036	0.102	-181.428	1
5264_5264	5264	5264	-107.318	-17.694	0.004	-0.07	0.24	-684.075	1
5264_5265	5264	5265	-23.11	-4.503	0.002	-0.012	0.129	-151.559	1
5265_5265	5265	5265	-109.193	-16.665	0.01	0.123	0.338	-698.639	1
5265_5266	5265	5266	-18.177	-4.255	0.004	0.031	0.179	-123.254	1
5266_5266	5266	5266	-111.705	-10.158	0.008	-0.105	0.572	-722.074	1
5266_5267	5266	5267	-15.175	4.36	0.006	-0.007	0.453	-137.931	1
5267_5267	5267	5267	-108.423	-8.666	0.01	0.161	0.693	-705.566	1
5267_5268	5267	5268	-20.555	4.636	0.007	0.054	0.535	-168.429	1
5268_5268	5268	5268	-107.482	-14.895	0.004	-0.133	0.813	-701.227	1
5268_5269	5268	5269	-25.945	4.636	0.004	-0.02	0.581	-198.842	1
5269_5269	5269	5269	-100.455	-14.093	0.011	0.14	0.852	-660.926	1
5269_5270	5269	5270	-30.503	5.088	0.009	0.073	0.659	-224.57	1
5270_5270	5270	5270	-97.275	-18.65	0.007	-0.019	0.923	-641.091	1
5270_5271	5270	5271	-35.04	5.088	0.007	0.013	0.72	-250.174	1
5271_5271	5271	5271	-84.089	-23.09	0.005	-0.181	1.266	-655.112	1
5271_5272	5271	5272	-34.734	5.121	0.007	-0.06	1.012	-294.095	1
5272_5272	5272	5272	-76.471	-22.134	0.064	0.127	1.252	-613.693	1
5272_5273	5272	5273	-36.666	5.597	0.03	0.11	1.226	-321.193	1
5273_5273	5273	5273	-67.229	-25.464	0.06	-0.014	1.628	-576.393	1
5273_5274	5273	5274	-37.286	5.641	0.028	0.018	1.404	-348.219	1
5274_5274	5274	5274	-47.337	-28.199	0.088	-0.312	3.06	-585.384	1
5274_5275	5274	5275	-30.402	6.01	0.041	-0.182	2.664	-436.261	1
5275_5275	5275	5275	-30.202	-21.533	-0.269	0.029	3.737	-484.763	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5275_5276	5275	5276	-29.333	8.462	-0.104	0.174	1.624	-502.665	1
5276_5276	5276	5276	-20.655	-26.283	-0.28	-0.23	0.657	-441.593	1
5276_5277	5276	5277	-27.317	8.775	-0.11	-0.217	0.545	-570.771	1
5277_5277	5277	5277	-11.731	-22.147	0.191	-0.253	-2.329	-370.045	1
5277_5278	5277	5278	-61.416	16.86	0.136	-0.18	-0.577	-658.101	1
5278_5278	5278	5278	-85.672	-11.312	0.074	0.143	-0.328	-451.336	1
5278_5279	5278	5279	-3.233	-10.732	-0.033	0.007	0.624	-241.402	1
5279_5279	5279	5279	-86.258	-16.246	0.091	-0.067	0.316	-464.392	1
5279_5280	5279	5280	4.53	-9.303	-0.029	-0.092	0.444	-189.83	1
5280_5280	5280	5280	-84.571	-9.721	-0.054	0.104	0.936	-463.306	1
5280_5281	5280	5281	19.159	-5.747	0.003	0.032	0.698	-135.017	1
5281_5281	5281	5281	-87.667	-15.765	-0.045	-0.086	0.31	-507.261	1
5281_5282	5281	5282	21.159	-2.311	-0.008	-0.031	0.818	-108.361	1
5282_5282	5282	5282	-74.103	-15.173	-0.021	0.171	-0.736	-554.549	1
5282_5283	5282	5283	15.077	-0.276	0.069	0.066	0.992	-130.898	1
5283_5283	5283	5283	-74.442	-22.676	0.016	-0.248	-0.83	-574.981	1
5283_5284	5283	5284	17.235	-0.158	0.04	-0.045	1.591	-129.186	1
5284_5284	5284	5284	-70.197	-18.919	0.053	0.12	-0.297	-534.483	1
5284_5285	5284	5285	19.256	1.409	-0.054	0.066	1.139	-139.081	1
5285_5285	5285	5285	-76.595	-15.4	0.046	-0.167	1.047	-546.965	1
5285_5286	5285	5286	20.57	1.873	-0.087	-0.024	0.315	-150.734	1
5286_5286	5286	5286	-76.826	-12.21	-0.146	0.246	1.519	-515.293	1
5286_5287	5286	5287	16.268	6.034	0.042	0.122	0.496	-183.595	1
5287_5287	5287	5287	-81.259	-19.012	-0.09	-0.183	-0.032	-516.402	1
5287_5288	5287	5288	2.436	9.362	0.039	-0.056	0.957	-249.747	1
5288_5288	5288	5288	-81.076	-13.499	0.329	0.464	-0.514	-468.224	1
5288_5289	5288	5289	-2.357	11.131	0.007	0.112	1.088	-281.628	1
5289_5289	5289	5289	-83.441	-15.694	0.339	0.315	0.969	-482.133	1
5289_5290	5289	5290	-11.834	12.819	-0.065	-0.07	0.45	-372.175	1
5290_5290	5290	5290	-13.338	-6.156	0.834	-0.69	0.679	-351.249	1
5290_5291	5290	5291	-30.813	-9.079	0.379	-0.278	4.426	-618.35	1
5291_5291	5291	5291	-20.818	-3.913	-0.638	0.293	8.734	-447.388	1
5291_5292	5291	5292	-32.374	-7.27	-0.393	0.31	0.125	-548.274	1
5292_5292	5292	5292	-32.059	-8.966	-0.617	-0.357	1.365	-563.807	1
5292_5293	5292	5293	-32.44	-7.251	-0.397	-0.326	-3.687	-488.657	1
5293_5293	5293	5293	-40.881	-4.485	0.117	0.418	-4.745	-637.72	1
5293_5294	5293	5294	-32.092	-5.053	0.087	0.34	-3.094	-458.057	1
5294_5294	5294	5294	-58.486	-7.815	0.073	0.027	-2.66	-672.123	1
5294_5295	5294	5295	-35.808	-5.053	0.058	0.034	-1.633	-395.391	1
5295_5295	5295	5295	-66.343	2.038	0.056	-0.239	-2.158	-745.785	1
5295_5296	5295	5296	-33.079	-5.111	0.057	-0.126	-1.164	-366.283	1
5296_5296	5296	5296	-72.609	5.591	0.052	0.306	-1.665	-812.939	1
5296_5297	5296	5297	-31.97	-4.132	0.027	0.134	-1.054	-354.452	1
5297_5297	5297	5297	-65.579	3.317	0.078	0.244	-2.191	-922.569	1
5297_5298	5297	5298	-25.184	-4.165	0.04	0.11	-1.241	-352.251	1
5298_5298	5298	5298	-72.447	-1.772	0.072	-0.43	-1.421	-1014.886	1
5298_5299	5298	5299	-23.163	-4.121	0.039	-0.134	-0.899	-324.188	1
5299_5299	5299	5299	-76.497	2.343	0.001	0.682	-0.767	-1069.515	1
5299_5300	5299	5300	-20.886	-3.526	0.008	0.201	-0.805	-293.895	1
5300_5300	5300	5300	-83.594	-4.008	-0.003	-0.588	-0.75	-1164.79	1
5300_5301	5300	5301	-18.466	-3.526	0.007	-0.132	-0.724	-261.691	1
5301_5301	5301	5301	-86.405	-0.674	0.021	0.694	-0.752	-1202.989	1
5301_5302	5301	5302	-16.388	-3.028	0.015	0.149	-0.542	-233.787	1
5302_5302	5302	5302	-91.095	-7.436	0.015	-0.684	-0.469	-1266.041	1
5302_5303	5302	5303	-14.452	-3.028	0.013	-0.113	-0.39	-208.031	1
5303_5303	5303	5303	-90.991	-3.299	0.006	0.777	-0.283	-1265.035	1
5303_5304	5303	5304	-12.593	-2.708	0.013	0.125	-0.23	-181.989	1
5304_5304	5304	5304	-93.976	-24.114	0.002	-0.838	-0.2	-1304.432	1
5304_5305	5304	5305	-10.936	-2.708	0.011	-0.105	-0.104	-159.947	1
5305_5305	5305	5305	-92.123	-19.854	0.024	0.578	-0.206	-1280.141	1
5305_5306	5305	5306	-9.265	-2.504	0.019	0.08	0.126	-137.716	1
5306_5306	5306	5306	-92.577	-26.095	0.019	-0.554	0.04	-1286.17	1
5306_5307	5306	5307	-7.62	-2.502	0.018	-0.051	0.341	-115.611	1
5307_5307	5307	5307	-88.041	-22.621	0.01	0.652	0.208	-1225.219	1
5307_5308	5307	5308	-6.172	-2.373	0.012	0.068	0.473	-94.697	1
5308_5308	5308	5308	-85.295	-29.086	0.005	-0.628	0.265	-1187.134	1
5308_5309	5308	5309	-4.591	-2.369	0.011	-0.042	0.601	-73.414	1
5309_5309	5309	5309	-76.707	-27.279	-0.005	0.49	0.24	-1069.901	1
5309_5310	5309	5310	-3.308	-2.221	0.09	0.034	1.677	-53.491	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5310_5310	5310	5310	-67.613	-34.866	-0.018	-0.473	-0.012	-944.081	1
5310_5311	5310	5311	-2.304	-2.099	0.059	-0.024	2.001	-34.227	1
5311_5311	5311	5311	-50.688	-42.542	0.016	0.189	-0.319	-715.868	1
5311_5312	5311	5312	-2.128	-1.53	0.003	0.036	-0.044	-17.227	1
5312_5312	5312	5312	-27.803	-52.191	0.014	-0.307	-0.155	-402.12	1
5312_5313	5312	5313	-5.924	16.694	0.07	0.115	0	-24.283	1
5400_5020	5400	5020	24.069	-16.435	0.123	0.001	-2.005	-409.201	1
5400_5401	5400	5401	-31.189	-0.772	-0.208	-0.005	-1.62	-103.955	1
5401_5401	5401	5401	23.336	-13.184	0.129	0.41	-1.364	-342.331	1
5401_5402	5401	5402	-32.898	-0.613	0.055	0.117	-1.371	-101.474	1
5402_5402	5402	5402	21.428	-12.524	0.084	-0.132	-0.987	-296.666	1
5402_5403	5402	5403	-36.63	-1.176	0.12	-0.042	-0.139	-86.904	1
5403_5403	5403	5403	19.865	-9.472	0.016	0.034	-0.152	-159.947	1
5403_5404	5403	5404	-41.778	-1.968	-0.011	0.02	-0.251	-71.51	1
5404_5404	5404	5404	20.076	-9.016	0.002	-0.037	-0.065	-91.692	1
5404_5405	5404	5405	-47.401	-1.986	0.023	-0.028	-0.104	-52.381	1
5405_5405	5405	5405	20.138	-6.937	0.013	-0.001	-0.066	-26.654	1
5405_5406	5405	5406	-16.256	5.9	-0.012	-0.001	-0.173	-87.31	1
5406_5406	5406	5406	32.727	5.42	0.033	0.044	-0.003	-18.62	1
5406_5407	5406	5407	-15.555	5.962	0.014	0.074	-0.055	-137.635	1
5407_5407	5407	5407	39.184	6.724	-0.026	-0.062	0.259	-69.408	1
5407_5408	5407	5408	-15.772	5.723	0.031	-0.123	0.021	-169.126	1
5408_5408	5408	5408	44.132	-2.223	-0.183	-0.033	0.078	-107.105	1
5408_5409	5408	5409	-14.165	8.871	0.008	-0.004	-0.027	-195.903	1
5409_5409	5409	5409	41.947	1.927	-0.053	0.033	-0.447	-100.903	1
5409_5410	5409	5410	-14.151	-8.836	0.029	0.004	0.061	-169.166	1
5410_5410	5410	5410	46.364	-7.184	0.014	-0.044	-0.413	-107.133	1
5410_5411	5410	5411	-15.748	-5.489	-0.001	-0.088	0.224	-138.23	1
5411_5411	5411	5411	44.22	-6.114	0.061	0.032	-0.349	-67.639	1
5411_5412	5411	5412	-17.847	-4.965	0.002	0.049	0.05	-88.753	1
5412_5412	5412	5412	36.77	-4.063	-0.011	0.004	0.203	-15.858	1
5412_5413	5412	5413	-55.291	4.509	0.011	-0.005	-0.078	-57.294	1
5413_5413	5413	5413	20.508	8.77	-0.016	-0.035	0.184	-25.948	1
5413_5414	5413	5414	-57.992	3.108	0.032	-0.037	0.154	-79.38	1
5414_5414	5414	5414	20.302	9.236	-0.002	0.038	0.041	-89.214	1
5414_5415	5414	5415	-54.097	2.008	-0.017	0.026	0.001	-93.107	1
5415_5415	5415	5415	21.268	12.242	-0.112	0.227	0.099	-155.709	1
5415_5416	5415	5416	-56.98	0.71	0.097	0.082	1.046	-100.252	1
5416_5416	5416	5416	21.587	12.809	-0.175	-0.72	-0.878	-289.522	1
5416_5417	5416	5417	-54.466	-0.526	0.278	-0.279	2.088	-98.046	1
5417_5417	5417	5417	21.487	15.761	-0.08	-0.01	-1.636	-334.271	1
5417_5036	5417	5036	-54.579	-0.534	0.197	0.006	2.861	-95.881	1
5420_5056	5420	5056	24.052	-15.082	0.095	0.002	-1.272	-357.876	1
5420_5421	5420	5421	-51.887	1.142	-0.013	-0.01	2.169	-73.896	1
5421_5421	5421	5421	21.897	-11.77	0.064	0.104	-0.743	-296.899	1
5421_5422	5421	5422	-54.237	1.155	-0.183	0.065	1.479	-77.596	1
5422_5422	5422	5422	22.173	-11.241	0.053	-0.034	-0.56	-255.861	1
5422_5423	5422	5423	-58.078	0.043	-0.151	-0.016	-0.18	-76.553	1
5423_5423	5423	5423	20.328	-8.227	0.01	0.029	-0.025	-133.445	1
5423_5424	5423	5424	-55.04	-1.104	-0.013	0.028	-0.259	-67.92	1
5424_5424	5424	5424	20.517	-7.743	-0.004	-0.032	0.027	-74.101	1
5424_5425	5424	5425	-56.955	-2.295	0.032	-0.02	-0.051	-50.954	1
5425_5425	5425	5425	20.168	-5.805	0.007	-0.001	-0.023	-18.3	1
5425_5426	5425	5426	-16.519	5.184	-0.007	-0.001	-0.109	-76.394	1
5426_5426	5426	5426	27.428	4.131	0.015	0.044	-0.032	-11.933	1
5426_5427	5426	5427	-16.133	5.013	-0.002	0.095	-0.117	-118.85	1
5427_5427	5427	5427	39.88	5.911	-0.03	-0.084	0.388	-53.094	1
5427_5428	5427	5428	-16.232	4.682	0.029	-0.164	-0.074	-144.874	1
5428_5428	5428	5428	40.864	-2.579	0.162	0.065	0.269	-86.623	1
5428_5429	5428	5429	-14.975	8.031	0.014	0.021	0.121	-169.079	1
5429_5429	5429	5429	37.653	2.191	0.04	-0.073	0.776	-79.639	1
5429_5430	5429	5430	-14.969	-8.004	0.007	-0.021	0.131	-144.79	1
5430_5430	5430	5430	38.227	-5.805	-0.049	0.011	0.778	-86.908	1
5430_5431	5430	5431	-16.273	-4.654	-0.009	0.018	0.005	-118.965	1
5431_5431	5431	5431	35.164	-4.837	-0.06	-0.013	0.524	-55.23	1
5431_5432	5431	5432	-17.2	-4.444	0.006	-0.008	-0.019	-76.649	1
5432_5432	5432	5432	26.835	-3.279	0.006	-0.005	-0.016	-13.561	1
5432_5433	5432	5433	-50.729	3.358	0.011	-0.004	-0.017	-47.908	1
5433_5433	5433	5433	20.589	7.692	0.009	0.014	0.031	-17.906	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5433_5434	5433	5434	-51.813	2.152	-0.012	0.005	-0.111	-62.855	1
5434_5434	5434	5434	20.408	8.16	0.002	-0.014	0.101	-73.397	1
5434_5435	5434	5435	-48.313	1.156	0.005	-0.014	-0.063	-70.587	1
5435_5435	5435	5435	21.712	11.15	-0.027	-0.08	0.151	-132.13	1
5435_5436	5435	5436	-28.496	0.839	-0.041	-0.023	-0.388	-76.458	1
5436_5436	5436	5436	22.021	11.71	-0.004	0.259	-0.252	-254.147	1
5436_5437	5436	5437	-27.911	0.207	-0.078	0.087	-0.687	-77.065	1
5437_5437	5437	5437	21.889	14.775	-0.143	-0.018	0.055	-294.967	1
5437_5072	5437	5072	-26.719	0.302	0.189	0.001	0.145	-78.258	1
5440_5094	5440	5094	23.579	-14.739	0.028	0.004	-0.562	-343.839	1
5440_5441	5440	5441	-26.221	-0.262	-0.096	-0.001	-0.855	-73.114	1
5441_5441	5441	5441	21.515	-11.359	0.047	0.198	-0.42	-284.116	1
5441_5442	5441	5442	-27.327	-0.14	0.042	0.044	-0.685	-72.621	1
5442_5442	5442	5442	21.781	-10.84	0.026	-0.066	-0.331	-244.474	1
5442_5443	5442	5443	-53.134	0.061	-0.082	-0.02	-0.083	-71.407	1
5443_5443	5443	5443	19.857	-7.83	0.015	0.042	-0.028	-126.343	1
5443_5444	5443	5444	-50.935	-1.057	-0.028	0.04	-0.241	-63.125	1
5444_5444	5444	5444	20.03	-7.375	-0.006	-0.044	0.049	-69.959	1
5444_5445	5444	5445	-54.752	-1.984	0.036	-0.03	-0.017	-47.582	1
5445_5445	5445	5445	19.759	-5.495	-0.002	-0.001	-0.01	-16.756	1
5445_5446	5445	5446	-16.047	4.921	0.005	-0.001	0.043	-73.027	1
5446_5446	5446	5446	26.738	4.076	-0.02	0.013	0.043	-12.488	1
5446_5447	5446	5447	-15.772	4.753	-0.061	0.019	-0.51	-113.239	1
5447_5447	5447	5447	32.851	5.23	-0.037	-0.012	-0.129	-51.438	1
5447_5448	5447	5448	-15.866	4.428	-0.053	-0.033	-0.833	-137.854	1
5448_5448	5448	5448	38.144	-2.365	-0.052	0.023	-0.162	-82.211	1
5448_5449	5448	5449	-14.659	7.713	0.016	-0.127	-0.865	-161.118	1
5449_5449	5449	5449	36.361	2.129	0.231	-0.026	-0.309	-75.589	1
5449_5450	5449	5450	-14.671	-7.689	-0.025	0.128	-0.945	-137.833	1
5450_5450	5450	5450	35.957	-5.522	-0.035	-0.01	0.43	-82.335	1
5450_5451	5450	5451	-15.865	-4.422	0.06	-0.024	-0.443	-113.288	1
5451_5451	5451	5451	33.477	-4.631	-0.024	-0.002	0.22	-52.016	1
5451_5452	5451	5452	-16.853	-4.214	0.063	0.015	0.057	-73.166	1
5452_5452	5452	5452	26.661	-3.187	0.004	-0.005	-0.005	-12.178	1
5452_5453	5452	5453	-48.819	3.345	0.01	-0.004	0.005	-46.748	1
5453_5453	5453	5453	19.589	7.355	-0.001	0.009	0.04	-17.061	1
5453_5454	5453	5454	-49.987	2.22	-0.014	0.001	-0.095	-62.323	1
5454_5454	5454	5454	19.413	7.808	-0.004	-0.006	0.041	-70.12	1
5454_5455	5454	5455	-47.524	1.192	-0.004	-0.009	-0.117	-70.596	1
5455_5455	5455	5455	20.737	10.75	-0.025	0.054	0.085	-126.414	1
5455_5456	5455	5456	-28.424	0.782	-0.056	0.017	-0.558	-74.143	1
5456_5456	5456	5456	21.022	11.304	-0.044	-0.174	-0.137	-243.92	1
5456_5457	5456	5457	-27.769	0.137	-0.029	-0.04	-0.634	-74.495	1
5457_5457	5457	5457	20.888	14.392	-0.008	-0.001	-0.366	-283.362	1
5457_5110	5457	5110	-26.97	0.208	0.062	0.002	-0.436	-75.331	1
5460_5132	5460	5132	27.178	-16.696	-0.518	-0.01	2.06	-381.766	1
5460_5461	5460	5461	-18.628	-1.37	0.171	0.004	-0.48	-75.068	1
5461_5461	5461	5461	23.53	-12.78	-0.034	-0.19	0.004	-313.614	1
5461_5462	5461	5462	-54.181	1.764	0.045	-0.048	0.302	-78.414	1
5462_5462	5462	5462	23.83	-12.211	-0.015	0.059	-0.046	-269.037	1
5462_5463	5462	5463	-59.661	0.754	-0.003	0.016	0.287	-84.89	1
5463_5463	5463	5463	22.478	-8.813	-0.036	-0.102	0.146	-136.022	1
5463_5464	5463	5464	-59.874	-0.502	0.039	-0.1	0.764	-80.274	1
5464_5464	5464	5464	19.902	-8.242	0.015	0.106	-0.017	-72.683	1
5464_5465	5464	5465	-63.535	-1.648	-0.138	0.108	-0.129	-67.405	1
5465_5465	5465	5465	-13.798	-1.34	0	0.001	-0.001	-17.292	1
5465_5466	5465	5466	-15.213	6.067	0.008	0.001	0.052	-78.403	1
5466_5466	5466	5466	19.247	4.159	-0.005	-0.047	0.055	-34.465	1
5466_5467	5466	5467	-16.692	5.246	0.03	-0.082	0.281	-124.709	1
5467_5467	5467	5467	23.3	4.924	0.039	0.086	0.051	-72.826	1
5467_5468	5467	5468	-16.796	4.902	0.003	0.142	0.404	-151.952	1
5468_5468	5468	5468	26.019	-0.293	-0.027	0.005	0.199	-100.452	1
5468_5469	5468	5469	-15.839	8.294	-0.039	0.032	0.186	-176.811	1
5469_5469	5469	5469	31.714	0.557	0.061	-0.034	-0.161	-108.962	1
5469_5470	5469	5470	-14.353	-8.128	0.014	-0.033	0.272	-150.271	1
5470_5470	5470	5470	31.612	-6.038	0.015	0.035	-0.077	-111.019	1
5470_5471	5470	5471	-15.439	-5.037	-0.025	0.059	0.017	-122.237	1
5471_5471	5471	5471	30.414	-5.314	-0.011	-0.023	0.036	-77.57	1
5471_5472	5471	5472	-14.392	-5.255	-0.015	-0.032	-0.077	-74.964	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5472_5472	5472	5472	26.52	-4.05	0.009	-0.002	-0.072	-30.982	1
5472_5473	5472	5473	-56.798	2.721	-0.009	-0.001	-0.096	-62.871	1
5473_5473	5473	5473	-15.06	0.474	0	0	-0.015	-18.603	1
5473_5474	5473	5474	-58.336	1.332	0.005	0.001	-0.029	-72.096	1
5474_5474	5474	5474	19.7	8.666	-0.003	-0.002	-0.017	-77.142	1
5474_5475	5474	5475	-54.501	0.176	0.008	-0.003	0.034	-72.597	1
5475_5475	5475	5475	20.591	11.656	0.005	-0.021	-0.094	-139.6	1
5475_5476	5475	5476	-26.495	1.708	-0.043	-0.008	-0.404	-87.066	1
5476_5476	5476	5476	20.946	12.224	0.012	0.088	-0.071	-267.324	1
5476_5477	5476	5477	-26.528	1.072	-0.054	0.037	-0.602	-90.804	1
5477_5477	5477	5477	23.281	15.677	0.003	-0.001	0.103	-310.343	1
5477_5148	5477	5148	-25.534	1.144	-0.058	-0.004	-0.805	-95.47	1
5480_5168	5480	5168	26.751	-16.347	0.068	0.014	0.339	-389.529	1
5480_5481	5480	5481	-23.039	-0.899	0.029	0.005	-0.258	-75.109	1
5481_5481	5481	5481	25.808	-12.984	-0.063	-0.514	0.32	-322.976	1
5481_5482	5481	5482	-23.979	-0.813	0.067	-0.137	-0.086	-72.106	1
5482_5482	5482	5482	23.419	-12.222	-0.01	0.166	0.301	-278.363	1
5482_5483	5482	5483	-61.303	1.182	-0.041	0.039	-0.077	-78.495	1
5483_5483	5483	5483	21.799	-9.115	-0.021	-0.057	0.144	-145.295	1
5483_5484	5483	5484	-61.401	-0.047	0.047	-0.052	0.232	-77.517	1
5484_5484	5484	5484	22.004	-8.606	0.007	0.059	0.034	-79.604	1
5484_5485	5484	5485	-63.661	-1.348	-0.044	0.056	-0.043	-67.425	1
5485_5485	5485	5485	-16.231	-1.143	0.002	0.001	-0.014	-21.849	1
5485_5486	5485	5486	-14.872	6.373	0.006	0	0.032	-80.353	1
5486_5486	5486	5486	25.485	4.621	0.027	-0.014	-0.035	-29.836	1
5486_5487	5486	5487	-16.472	5.64	0.019	-0.031	0.217	-130.03	1
5487_5487	5487	5487	29.175	5.461	0.047	0.034	0.206	-72.014	1
5487_5488	5487	5488	-16.585	5.3	0.009	0.059	0.31	-159.487	1
5488_5488	5488	5488	32.131	-1.037	-0.077	0.045	0.407	-102.474	1
5488_5489	5488	5489	-15.541	8.65	-0.003	0.019	0.2	-185.525	1
5489_5489	5489	5489	27.238	0.2	-0.017	0.005	-0.107	-107.384	1
5489_5490	5489	5490	-15.774	-8.7	0.028	-0.02	0.117	-160.916	1
5490_5490	5490	5490	26.788	-5.44	0.027	0.035	-0.235	-108.38	1
5490_5491	5490	5491	-17.26	-5.293	-0.016	0.062	-0.088	-131.496	1
5491_5491	5491	5491	25.716	-4.829	0.006	-0.02	-0.058	-78.222	1
5491_5492	5491	5492	-16.281	-5.604	-0.006	-0.033	-0.09	-81.544	1
5492_5492	5492	5492	20.606	-3.66	-0.001	-0.001	-0.002	-36.328	1
5492_5493	5492	5493	-63.594	2.738	0.005	-0.001	0.076	-66.871	1
5493_5493	5493	5493	20.323	8.675	0.003	0.058	-0.084	-16.845	1
5493_5494	5493	5494	-62.694	1.396	-0.05	0.051	-0.296	-75.66	1
5494_5494	5494	5494	22.949	9.279	-0.024	-0.057	-0.014	-79.543	1
5494_5495	5494	5495	-60.443	0.075	0.04	-0.053	0.036	-75.65	1
5495_5495	5495	5495	23.894	12.36	-0.002	0.166	-0.243	-146.42	1
5495_5496	5495	5496	-21.705	1.764	-0.034	0.045	-0.35	-76.071	1
5496_5496	5496	5496	24.321	13.009	-0.053	-0.521	-0.07	-281.8	1
5496_5497	5496	5497	-20.756	1.306	0.019	-0.134	-0.225	-80.511	1
5497_5497	5497	5497	26.972	16.393	0.012	0.016	-0.591	-327.493	1
5497_5184	5497	5184	-19.035	1.409	-0.04	0.003	-0.474	-86.004	1
5500_5204	5500	5204	26.051	-16.566	0.18	0.008	-1.286	-419.693	1
5500_5501	5500	5501	-56.761	1.25	-0.25	-0.015	2.02	-85.19	1
5501_5501	5501	5501	26.188	-13.645	0.055	0.096	-0.375	-351.861	1
5501_5502	5501	5502	-59.697	1.26	-0.176	0.065	1.468	-89.193	1
5502_5502	5502	5502	25.83	-12.981	0.044	-0.022	-0.202	-304.27	1
5502_5503	5502	5503	-64.47	0.107	-0.155	-0.006	-0.208	-88.317	1
5503_5503	5503	5503	24.491	-9.891	-0.025	-0.068	0.202	-162.501	1
5503_5504	5503	5504	-60.838	-1.314	0.056	-0.043	0.202	-78.423	1
5504_5504	5504	5504	24.714	-9.319	0.006	0.065	0.068	-91.215	1
5504_5505	5504	5505	-65.633	-2.341	-0.038	0.065	-0.016	-59.756	1
5505_5505	5505	5505	24.033	-7.15	-0.008	-0.003	0.084	-24.012	1
5505_5506	5505	5506	-19.019	6.471	0.013	-0.001	0.138	-95.05	1
5506_5506	5506	5506	30.443	4.381	-0.086	-0.025	0.128	-10.762	1
5506_5507	5506	5507	-18.836	6.146	0.006	-0.034	0.186	-147.55	1
5507_5507	5507	5507	45.871	6.783	-0.075	0.029	-0.814	-58.912	1
5507_5508	5507	5508	-18.977	5.869	0	0.069	0.281	-179.86	1
5508_5508	5508	5508	44.626	-2.64	0.195	-0.136	-1.398	-96.947	1
5508_5509	5508	5509	-17.363	9.695	-0.036	0.014	0.055	-209.166	1
5509_5509	5509	5509	43.113	2.596	0.133	0.133	-0.793	-89.359	1
5509_5510	5509	5510	-17.378	-9.763	-0.031	-0.01	-0.04	-179.654	1
5510_5510	5510	5510	41.485	-6.369	0.078	0.063	-0.505	-97.536	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5510_5511	5510	5511	-19.104	-5.852	-0.025	0.172	-0.285	-147.002	1
5511_5511	5511	5511	40.102	-5.444	-0.004	-0.051	-0.021	-62.378	1
5511_5512	5511	5512	-20.101	-5.487	-0.001	-0.092	-0.13	-93.831	1
5512_5512	5512	5512	29.231	-3.591	0.012	-0.009	-0.063	-15.978	1
5512_5513	5512	5513	-58.117	3.195	-0.022	-0.007	0.016	-53.556	1
5513_5513	5513	5513	25.25	9.545	0.004	0.069	-0.14	-25.5	1
5513_5514	5513	5514	-60.831	1.875	-0.045	0.039	-0.274	-66.281	1
5514_5514	5514	5514	24.46	10.124	-0.027	-0.066	-0.064	-94.453	1
5514_5515	5514	5515	-38.983	1.664	0.045	-0.033	0.132	-75.338	1
5515_5515	5515	5515	25.843	13.198	-0.046	0.138	-0.282	-167.301	1
5515_5516	5515	5516	-31.577	0.915	-0.22	0.033	-2.297	-83.964	1
5516_5516	5516	5516	26.173	13.869	-0.082	-0.323	-0.668	-311.704	1
5516_5517	5516	5517	-30.417	0.235	-0.169	-0.042	-2.816	-84.553	1
5517_5517	5517	5517	26.054	16.659	0.01	-0.079	0.154	-360.029	1
5517_5220	5517	5220	-30.423	0.241	0.393	0.005	-1.036	-85.537	1
5520_5240	5520	5240	36.403	-18.654	-2.473	-0.088	7.176	-455.166	1
5520_5521	5520	5521	-59.716	7.616	1.526	0.108	8.573	-80.365	1
5521_5521	5521	5521	35.57	-13.073	0.815	0.897	-8.984	-328.733	1
5521_5522	5521	5522	-59.599	1.398	-0.674	0.426	6.316	-84.956	1
5522_5522	5522	5522	35.885	-12.191	0.674	-0.189	-6.474	-283.038	1
5522_5523	5522	5523	-65.595	0.272	-0.473	-0.105	1.936	-86.6	1
5523_5523	5523	5523	35.481	-9.9	0.026	0.149	0.669	-149.823	1
5523_5524	5523	5524	-65.425	-0.97	-0.236	0.161	0.686	-78.146	1
5524_5524	5524	5524	35.701	-9.075	-0.08	-0.127	0.766	-78.496	1
5524_5525	5524	5525	-68.602	-2.172	-0.021	-0.108	0.47	-61.065	1
5525_5525	5525	5525	-13.681	-1.524	-0.033	0.006	0.119	-13.939	1
5525_5526	5525	5526	-30.45	6.446	0.142	0.031	2.597	-113.522	1
5526_5526	5526	5526	26.716	3.918	0.791	0.107	0.567	-13.66	1
5526_5527	5526	5527	-30.019	6.152	-0.166	0.137	0.899	-165.6	1
5527_5527	5527	5527	48.056	6.895	-0.625	0.032	-4.408	-58.651	1
5527_5528	5527	5528	-29.984	5.688	-0.063	-0.078	1.037	-196.605	1
5528_5528	5528	5528	47.197	-3.145	0.246	-0.853	-8.702	-97.177	1
5528_5529	5528	5529	-28.398	11.91	-0.407	0.033	-0.463	-232.502	1
5529_5529	5529	5529	45.061	2.766	-0.098	0.905	-7.666	-88.789	1
5529_5530	5529	5530	-28.456	-12.415	-0.445	0.137	-1.719	-194.892	1
5530_5530	5530	5530	43.005	-6.525	0.61	0.016	-8.022	-97.12	1
5530_5531	5530	5531	-30.701	-6.072	-0.161	0.233	-1.714	-160.586	1
5531_5531	5531	5531	40.48	-5.507	0.487	-0.015	-4.368	-61.419	1
5531_5532	5531	5532	-30.388	-5.921	-0.27	-0.067	-2.627	-103.593	1
5532_5532	5532	5532	29.997	-3.692	0.065	-0.015	0.052	-14.698	1
5532_5533	5532	5533	-64.988	3.612	-0.109	-0.013	-1.144	-60.399	1
5533_5533	5533	5533	40.089	10.729	-0.142	0.059	-0.431	-31.7	1
5533_5534	5533	5534	-65.636	2.017	-0.066	0.009	-1.258	-73.539	1
5534_5534	5534	5534	39.829	11.659	-0.169	0.014	-1.43	-109.07	1
5534_5535	5534	5535	-39.295	1.682	0.011	0.027	-1.362	-79.35	1
5535_5535	5535	5535	40.245	14.575	-0.205	0.048	-2.516	-192.999	1
5535_5536	5535	5536	-31.289	0.949	-0.514	-0.007	-7.019	-87.843	1
5536_5536	5536	5536	39.888	15.524	-0.196	0.243	-4.769	-352.172	1
5536_5537	5536	5537	-31.303	0.208	-0.522	0.18	-8.841	-88.566	1
5537_5537	5537	5537	39.606	17.593	0.679	0.094	-5.178	-406.084	1
5537_5254	5537	5254	-29.626	0.377	0.69	0.165	-5.839	-89.907	1
5540_5278	5540	5278	43.687	-17.019	1.299	0.744	-0.451	-476.548	1
5540_5541	5540	5541	-57.724	1.134	1.138	0.306	10.662	-84.798	1
5541_5541	5541	5541	44.257	-15.327	0.18	0.847	4.539	-406.687	1
5541_5542	5541	5542	-59.535	1.367	-0.64	0.372	8.838	-89.189	1
5542_5542	5542	5542	41.56	-14.15	0.075	-0.009	5.239	-353.381	1
5542_5543	5542	5543	-65.695	0.296	-0.514	-0.027	3.21	-90.412	1
5543_5543	5543	5543	41.31	-11.699	-0.244	0.257	5.598	-198.503	1
5543_5544	5543	5544	-66.611	-1.124	-0.273	0.164	1.6	-80.864	1
5544_5544	5544	5544	41.573	-10.722	-0.349	-0.152	3.734	-114.184	1
5544_5545	5544	5545	-72.265	-2.202	-0.062	-0.096	0.907	-62.567	1
5545_5545	5545	5545	42.985	-8.321	-0.278	-0.043	1.023	-37.267	1
5545_5546	5545	5546	-34.52	6.813	0.253	0.09	4.577	-111.595	1
5546_5546	5546	5546	34.598	5.064	-0.885	0.028	0.732	-12.64	1
5546_5547	5546	5547	-33.503	6.891	-0.342	0.252	-1.185	-167.761	1
5547_5547	5547	5547	50.039	7.472	-1.231	0.129	-9.523	-66.384	1
5547_5548	5547	5548	-33.676	6.339	-0.218	-0.021	0.515	-202.717	1
5548_5548	5548	5548	50.624	-3.418	0.786	-1.952	-18.108	-108.347	1
5548_5549	5548	5549	-31.531	13.439	-0.481	0.328	0.856	-242.594	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5549_5549	5549	5549	47.82	2.401	-0.31	2.199	-15.295	-100.541	1
5549_5550	5549	5550	-31.651	-13.08	-0.428	0.142	-0.523	-203.567	1
5550_5550	5550	5550	44.755	-7.523	1.176	-0.03	-16.429	-107.312	1
5550_5551	5550	5551	-33.535	-5.702	-0.519	0.348	-1.503	-169.862	1
5551_5551	5551	5551	41.263	-6.292	1.011	0.052	-9.25	-65.461	1
5551_5552	5551	5552	-35.138	-5.142	-0.819	0.004	-5.301	-118.662	1
5552_5552	5552	5552	27	-3.998	0.158	-0.013	-0.535	-15.75	1
5552_5553	5552	5553	-55.787	2.317	-0.112	0.076	-3.181	-71.029	1
5553_5553	5553	5553	43.312	10.65	-0.392	0.079	-0.571	-25.112	1
5553_5554	5553	5554	-48.809	2.554	-0.077	0.087	-3.477	-84.03	1
5554_5554	5554	5554	43.023	11.761	-0.437	0.049	-3.287	-100.1	1
5554_5555	5554	5555	-45.197	1.748	-0.035	0.075	-3.589	-95.269	1
5555_5555	5555	5555	43.912	14.278	-1.193	0.268	-6.253	-182.7	1
5555_5556	5555	5556	-35.619	0.805	-0.607	0.074	-9.99	-101.615	1
5556_5556	5556	5556	43.495	15.495	-1.291	-0.038	-18.729	-334.885	1
5556_5557	5556	5557	-33.612	0.002	-0.479	0.086	-11.005	-101.464	1
5557_5557	5557	5557	42.178	17.126	1.894	1.188	-23.333	-387.51	1
5557_5290	5557	5290	-31.402	0.313	0.542	0.431	-7.402	-102.73	1
45000_5000	45000	5000	-0.408	-2.475	-0.017	-0.142	0	-2.87	1
45000_5001	45000	5001	0.189	2.703	-0.174	0.119	-2.21	-32.906	1
45001_5001	45001	5001	0.992	14.245	-0.207	-0.445	-2.613	-642.233	1
45001_5002	45001	5002	0.228	2.719	-0.148	0.081	-3.349	-59.726	1
45002_5002	45002	5002	1.19	12.129	0.269	0.767	-5.63	-958.948	1
45002_5003	45002	5003	0.229	2.773	0.171	0.089	-1.267	-93.399	1
45003_5003	45003	5003	1.274	-1.317	0.288	-1.059	-2.504	-1276.248	1
45003_5004	45003	5004	0.23	2.773	0.171	-0.053	0.808	-127.038	1
45004_5004	45004	5004	1.39	0.694	-0.031	0.528	1.182	-1440.443	1
45004_5005	45004	5005	0.239	2.762	-0.018	0.092	0.568	-160.564	1
45005_5005	45005	5005	1.447	-7.066	-0.037	-0.871	0.913	-1601.614	1
45005_5006	45005	5006	0.239	2.762	-0.018	-0.056	0.344	-194.12	1
45006_5006	45006	5006	1.463	-2.785	0.031	1.21	0.518	-1648.922	1
45006_5007	45006	5007	0.263	2.792	0.016	0.187	0.537	-227.972	1
45007_5007	45007	5007	1.453	-10.146	0.033	-1.515	0.99	-1734.915	1
45007_5008	45007	5008	0.282	2.795	0.015	-0.186	0.715	-261.886	1
45008_5008	45008	5008	1.427	-5.504	-0.018	1.263	1.473	-1720.658	1
45008_5009	45008	5009	0.282	2.856	-0.004	0.224	0.664	-296.567	1
45009_5009	45009	5009	1.393	-12.79	-0.02	-1.505	1.31	-1753.859	1
45009_5010	45009	5010	0.282	2.856	-0.005	-0.261	0.607	-331.24	1
45010_5010	45010	5010	1.424	-22.208	0.037	-0.102	0.987	-1691.519	1
45010_5011	45010	5011	0.282	2.971	0.012	-0.028	0.748	-367.31	1
45011_5011	45011	5011	1.39	-29.233	0.035	-0.08	1.502	-1690.473	1
45011_5012	45011	5012	0.282	2.971	0.012	-0.028	0.89	-403.372	1
45012_5012	45012	5012	1.352	-25.284	-0.082	0.366	1.951	-1593.063	1
45012_5013	45012	5013	0.294	3.207	-0.004	0.108	0.841	-442.223	1
45013_5013	45013	5013	1.314	-32.342	-0.083	-0.64	0.975	-1541.837	1
45013_5014	45013	5014	0.294	3.207	-0.004	-0.212	0.79	-481.141	1
45014_5014	45014	5014	1.278	-30.397	0.155	0.211	0.061	-1396.709	1
45014_5015	45014	5015	0.315	3.535	0.032	0.112	1.256	-537.689	1
45015_5015	45015	5015	1.559	-38.725	0.131	-0.674	2.354	-1234.156	1
45015_5016	45015	5016	0.284	3.537	0.031	-0.303	1.512	-566.714	1
45016_5016	45016	5016	1.527	-20.487	-0.072	0.369	2.966	-1105.16	1
45016_5017	45016	5017	0.217	4.306	-0.029	0.26	1.2	-617.183	1
45017_5017	45017	5017	2.239	-27.25	-0.073	-0.501	1.87	-972.923	1
45017_5018	45017	5018	0.125	4.364	-0.031	-0.33	0.768	-674.618	1
45018_5018	45018	5018	2.971	-30.014	0.02	0.101	0.834	-738.347	1
45018_5019	45018	5019	-0.02	4.993	0.025	0.289	1.111	-736.955	1
45019_5019	45019	5019	4.241	-36.414	0.005	-0.326	0.904	-500.224	1
45019_5020	45019	5020	-4.128	27.905	0.024	-0.184	-1.885	-895.027	1
45020_5020	45020	5020	-45.458	-0.082	-0.157	0.101	4.159	-364.375	1
45020_5021	45020	5021	13.261	-16.782	0.032	0.123	0.499	-391.382	1
45021_5021	45021	5021	-38.847	-4.35	-0.137	0.128	2.443	-503.509	1
45021_5022	45021	5022	18.054	-12.138	0.025	0.054	1.123	-276.389	1
45022_5022	45022	5022	-33.669	-8.638	-0.087	-0.492	1.252	-596.119	1
45022_5023	45022	5023	26.494	-8.085	-0.008	-0.261	1.529	-200.826	1
45023_5023	45023	5023	-28.305	-8.335	-0.047	-0.155	0.523	-664.361	1
45023_5024	45023	5024	37.601	-0.334	-0.042	-0.08	2.281	-186.074	1
45024_5024	45024	5024	-23.265	-13.052	-0.071	0.859	0.065	-743.086	1
45024_5025	45024	5025	37.601	-0.334	0.01	0.176	2.357	-183.402	1
45025_5025	45025	5025	-18.796	-18.284	-0.009	-1.108	-0.47	-787.466	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45025_5026	45025	5026	37.005	-0.319	-0.088	-0.304	1.645	-180.81	1
45026_5026	45026	5026	-15.412	-15.514	-0.032	0.127	-0.557	-797.395	1
45026_5027	45026	5027	37.006	0.041	-0.051	0.001	1.34	-181.057	1
45027_5027	45027	5027	-13.469	-19.454	-0.027	0.32	-0.73	-828.987	1
45027_5028	45027	5028	35.732	0.043	-0.045	0.032	1.066	-181.307	1
45028_5028	45028	5028	-12.12	-23.701	-0.02	0.236	-0.82	-841.214	1
45028_5029	45028	5029	35.732	0.043	-0.051	0.001	0.761	-181.563	1
45029_5029	45029	5029	-11.205	-28.087	0.004	-1.068	-0.846	-826.032	1
45029_5030	45029	5030	35.732	0.043	-0.11	-0.3	0.101	-181.819	1
45030_5030	45030	5030	-13.181	-12.888	0.024	0.565	-0.414	-790.639	1
45030_5031	45030	5031	37.006	0.653	-0.074	0.086	-0.496	-187.018	1
45031_5031	45031	5031	-15.574	-18.559	0.046	-0.317	-0.117	-778.457	1
45031_5032	45031	5032	37.602	0.671	-0.121	-0.147	-1.463	-192.363	1
45032_5032	45032	5032	-18.833	-23.794	0.057	-0.24	0.422	-731.811	1
45032_5033	45032	5033	37.602	0.671	-0.121	-0.147	-2.43	-197.727	1
45033_5033	45033	5033	-22.533	-23.448	0.087	0.087	1.127	-651.081	1
45033_5034	45033	5034	22.208	12.04	-0.026	0.15	1.532	-264.784	1
45034_5034	45034	5034	-26.495	-28.209	0.095	0.124	2.015	-580.895	1
45034_5035	45034	5035	15.534	16.704	-0.031	0.153	0.771	-380.279	1
45035_5035	45035	5035	-30.286	-32.496	0.14	-0.276	3.083	-478.797	1
45035_5036	45035	5036	11.204	25.179	-0.053	-0.221	-0.545	-588.037	1
45036_5036	45036	5036	-6.013	-3.024	0.006	0.101	-1.78	-191.322	1
45036_5037	45036	5037	-23.868	-19.871	-0.058	0.652	-4.293	-685.384	1
45037_5037	45037	5037	11.705	-0.959	-0.014	-0.468	1.578	-456.337	1
45037_5038	45037	5038	14.62	-6.65	-0.048	-0.722	1.699	-597.295	1
45038_5038	45038	5038	15.163	-3.327	0.046	0.549	1.609	-667.455	1
45038_5039	45038	5039	14.824	-5.565	0.062	0.474	2.44	-523.515	1
45039_5039	45039	5039	18.512	-10.271	0.017	-0.765	2.5	-862.001	1
45039_5040	45039	5040	14.956	-5.2	0.036	-0.474	2.902	-460.899	1
45040_5040	45040	5040	20.971	-8.471	-0.071	0.392	3.042	-952.307	1
45040_5041	45040	5041	14.946	-4.172	-0.066	0.202	2.358	-426.487	1
45041_5041	45041	5041	22.167	-13.953	-0.088	-0.225	2.574	-1033.704	1
45041_5042	45041	5042	14.754	-4.017	-0.075	-0.083	1.197	-358.896	1
45042_5042	45042	5042	23.119	-11.57	0.03	-0.018	1.441	-1102.664	1
45042_5043	45042	5043	14.755	-3.502	0.025	0	1.5	-317.131	1
45043_5043	45043	5043	23.061	-18.772	0.035	-0.002	1.878	-1197.456	1
45043_5044	45043	5044	14.755	-3.502	0.025	0	1.802	-275.361	1
45044_5044	45044	5044	22.455	-14.843	-0.018	-0.083	2.391	-1214.09	1
45044_5045	45044	5045	14.755	-3.289	-0.014	-0.023	1.631	-236.116	1
45045_5045	45045	5045	20.226	-10.589	-0.004	0.038	2.182	-1281.501	1
45045_5046	45045	5046	5.066	3.341	-0.011	0.023	1.129	-208.909	1
45046_5046	45046	5046	19.724	-6.139	-0.009	0.921	2.171	-1255.621	1
45046_5047	45046	5047	5.066	3.386	0.002	0.205	1.149	-249.311	1
45047_5047	45047	5047	20.208	-26.046	-0.04	-1.06	2.054	-1283.552	1
45047_5048	45047	5048	5.066	3.386	-0.006	-0.195	1.072	-289.67	1
45048_5048	45048	5048	19.166	-9.869	-0.029	0.872	1.606	-1216.993	1
45048_5049	45048	5049	5.066	3.515	-0.01	0.266	0.958	-331.607	1
45049_5049	45049	5049	18.919	-17.994	-0.065	-1.036	1.175	-1199.726	1
45049_5050	45049	5050	5.404	3.528	-0.019	-0.288	0.707	-373.666	1
45050_5050	45050	5050	18.339	-13.957	0.046	0.398	0.386	-1103.441	1
45050_5051	45050	5051	5.404	3.845	-0.017	0.203	0.441	-434.064	1
45051_5051	45051	5051	17.106	-23.786	0.015	-0.975	0.878	-1034.231	1
45051_5052	45051	5052	5.575	3.907	-0.023	-0.415	0.243	-466.754	1
45052_5052	45052	5052	16.224	-19.143	0.024	0.658	0.935	-944.343	1
45052_5053	45052	5053	5.744	4.618	0.011	0.478	0.401	-520.646	1
45053_5053	45053	5053	14.945	-26.061	0	-0.852	0.851	-862.79	1
45053_5054	45053	5054	5.723	4.781	-0.001	-0.522	0.357	-585.797	1
45054_5054	45054	5054	12.838	-28.942	-0.002	0.191	0.825	-671.139	1
45054_5055	45054	5055	-20.975	20.178	0.018	0.558	-1.467	-655.598	1
45055_5055	45055	5055	11.399	-35.587	-0.018	-0.429	0.524	-463.696	1
45055_5056	45055	5056	-21.892	27.62	0.045	-0.395	-1.041	-946.584	1
45056_5056	45056	5056	-38.82	-0.139	-0.09	0.01	2.531	-367.484	1
45056_5057	45056	5057	14.936	-16.437	0.034	-0.019	0.127	-346.465	1
45057_5057	45057	5057	-33.73	-4.582	-0.093	0.248	1.504	-511.589	1
45057_5058	45057	5058	23.545	-9.937	0.039	0.116	0.799	-245.454	1
45058_5058	45058	5058	-29.753	-8.995	-0.047	-0.493	0.716	-612.615	1
45058_5059	45058	5059	37.174	-1.635	0.077	-0.113	-0.397	-216.262	1
45059_5059	45059	5059	-25.521	-8.656	-0.095	0.95	0.28	-686.133	1
45059_5060	45059	5060	37.174	-0.949	0.145	0.401	0.767	-208.661	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45060_5060	45060	5060	-21.542	-13.421	-0.032	-0.651	-0.458	-769.095	1
45060_5061	45060	5061	37.175	-0.949	0.056	-0.101	1.213	-201.07	1
45061_5061	45061	5061	-18.027	-18.692	-0.029	-0.562	-0.683	-816.444	1
45061_5062	45061	5062	36.383	-0.928	0.056	-0.101	1.662	-193.528	1
45062_5062	45062	5062	-15.419	-15.735	-0.02	0.464	-0.874	-827.804	1
45062_5063	45062	5063	36.383	-0.284	0.07	0.216	2.082	-191.829	1
45063_5063	45063	5063	-12.179	-8.833	-0.006	0.739	-0.824	-861.384	1
45063_5064	45063	5064	36.383	-0.284	0.074	0.237	2.526	-190.127	1
45064_5064	45064	5064	-12.671	-13.17	0.019	-0.747	-0.831	-874.25	1
45064_5065	45064	5065	36.383	-0.284	0.01	-0.1	2.583	-188.423	1
45065_5065	45065	5065	-12.312	-28.219	0.012	-0.714	-0.867	-859.757	1
45065_5066	45065	5066	36.383	-0.284	0.01	-0.1	2.64	-186.719	1
45066_5066	45066	5066	-14.857	-12.64	0.023	0.271	-0.499	-825.685	1
45066_5067	45066	5067	37.176	0.138	0.033	0.145	2.9	-187.812	1
45067_5067	45067	5067	-17.258	-18.316	0.027	0.303	-0.234	-813.251	1
45067_5068	45067	5068	36.199	0.538	-0.06	0.017	-0.656	-189.2	1
45068_5068	45068	5068	-20.547	-23.572	0.058	-0.656	0.079	-765.225	1
45068_5069	45068	5069	36.199	0.538	-0.108	-0.234	-1.517	-193.511	1
45069_5069	45069	5069	-24.284	-23.08	0.044	0.537	0.688	-682.234	1
45069_5070	45069	5070	24.518	10.103	0.002	0.333	1.426	-251.169	1
45070_5070	45070	5070	-28.278	-27.923	0.086	-0.176	1.175	-609.551	1
45070_5071	45070	5071	15.512	16.525	-0.031	-0.004	0.59	-353.522	1
45071_5071	45071	5071	-32.028	-32.316	0.116	-0.378	2.076	-507.607	1
45071_5072	45071	5072	12.311	24.799	-0.042	-0.154	-0.358	-542.179	1
45072_5072	45072	5072	-5.149	-0.369	-0.02	0.218	1.916	-200.198	1
45072_5073	45072	5073	6.991	-5.589	-0.019	0.613	1.743	-665.512	1
45073_5073	45073	5073	9.118	-0.972	-0.029	-0.332	1.525	-465.877	1
45073_5074	45073	5074	7.134	-5.405	-0.031	-0.492	1.455	-597.758	1
45074_5074	45074	5074	11.999	-3.404	-0.001	0.673	1.379	-678.209	1
45074_5075	45074	5075	6.73	-4.646	-0.007	0.578	1.349	-535.193	1
45075_5075	45075	5075	14.808	-10.612	-0.052	-0.952	1.431	-871.945	1
45075_5076	45075	5076	6.846	-4.473	-0.022	-0.585	1.134	-480.384	1
45076_5076	45076	5076	16.809	-8.529	0.029	0.712	1.051	-965.5	1
45076_5077	45076	5077	6.682	-3.678	0.019	0.367	1.276	-449.999	1
45077_5077	45077	5077	17.647	-13.353	0.012	-0.475	1.354	-1069.613	1
45077_5078	45077	5078	6.258	-3.589	0.013	-0.196	1.478	-400.76	1
45078_5078	45078	5078	18.167	-11.659	0.023	0.879	1.494	-1153.562	1
45078_5079	45078	5079	6.258	-3.316	-0.004	0.321	1.436	-363.578	1
45079_5079	45079	5079	16.714	-6.298	0.005	-1.137	1.754	-1266.435	1
45079_5080	45079	5080	6.258	-3.316	-0.015	-0.327	1.27	-326.395	1
45080_5080	45080	5080	16.138	-1.866	-0.002	1.156	1.816	-1297.128	1
45080_5081	45080	5081	6.258	-3.15	-0.001	0.259	1.26	-291.072	1
45081_5081	45081	5081	15.718	-9.358	-0.031	-1.2	1.779	-1376.578	1
45081_5082	45081	5082	6.258	-3.15	-0.012	-0.259	1.125	-255.748	1
45082_5082	45082	5082	15.492	-4.525	0.007	0.006	1.41	-1369.12	1
45082_5083	45082	5083	5.209	2.964	0	0.012	0.983	-219.814	1
45083_5083	45083	5083	15.481	-12.57	0.008	-0.032	1.466	-1414.031	1
45083_5084	45083	5084	5.209	2.964	0	0.004	0.981	-255.533	1
45084_5084	45084	5084	15.487	-20.699	-0.003	0.945	1.574	-1363.679	1
45084_5085	45084	5085	5.209	3.027	0.011	0.247	1.098	-289.468	1
45085_5085	45085	5085	15.484	-27.879	-0.029	-1.275	1.543	-1367.303	1
45085_5086	45085	5086	5.581	3.034	0.001	-0.269	1.109	-323.453	1
45086_5086	45086	5086	15.669	-23.655	-0.033	0.892	1.217	-1283.728	1
45086_5087	45086	5087	5.581	3.189	-0.021	0.322	0.878	-359.203	1
45087_5087	45087	5087	16.001	-30.863	-0.063	-1.166	0.845	-1250.622	1
45087_5088	45087	5088	5.581	3.189	-0.031	-0.332	0.534	-394.981	1
45088_5088	45088	5088	16.723	-14.818	0.045	0.412	0.207	-1143.862	1
45088_5089	45088	5089	5.581	3.442	0.018	0.194	0.781	-442.216	1
45089_5089	45089	5089	16.301	-23.382	0.012	-0.886	0.706	-1063.068	1
45089_5090	45089	5090	5.774	3.509	0.011	-0.38	0.869	-470.032	1
45090_5090	45090	5090	15.789	-18.837	0.019	0.788	0.827	-968.081	1
45090_5091	45090	5091	5.972	4.19	0.008	0.555	0.975	-519.027	1
45091_5091	45091	5091	14.908	-25.905	-0.012	-0.899	0.787	-875.574	1
45091_5092	45091	5092	5.97	4.358	-0.005	-0.546	0.862	-577.699	1
45092_5092	45092	5092	13.089	-28.669	0.018	0.079	0.668	-672.74	1
45092_5093	45092	5093	5.972	4.981	0.006	0.222	0.97	-640.031	1
45093_5093	45093	5093	11.805	-35.488	0.002	-0.247	0.771	-459.8	1
45093_5094	45093	5094	-18.967	24.441	0.03	-0.166	-0.973	-876.777	1
45094_5094	45094	5094	-37.039	-0.069	-0.087	0.191	2.15	-360.985	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45094_5095	45094	5095	14.342	-15.998	0.004	0.16	0.351	-341.201	1
45095_5095	45095	5095	-32.168	-4.551	-0.063	0.088	1.215	-502.22	1
45095_5096	45095	5096	22.746	-9.704	-0.004	0.022	0.742	-243.011	1
45096_5096	45096	5096	-28.38	-9.045	-0.019	-0.586	0.684	-602.162	1
45096_5097	45096	5097	36.895	-1.185	0.028	-0.164	-0.517	-201.961	1
45097_5097	45097	5097	-24.338	-8.539	-0.028	0.167	0.5	-673.899	1
45097_5098	45097	5098	36.9	-0.599	0.046	0.129	-0.146	-197.166	1
45098_5098	45098	5098	-20.531	-13.361	-0.024	0.226	0.263	-756.583	1
45098_5099	45098	5099	35.445	-0.558	0.045	0.129	0.233	-192.487	1
45099_5099	45099	5099	-17.169	-18.716	0	-0.681	0.083	-803.301	1
45099_5100	45099	5100	35.445	-0.558	0.002	-0.104	0.248	-188.025	1
45100_5100	45100	5100	-14.698	-15.453	0.01	-1.026	0.069	-813.173	1
45100_5101	45100	5101	35.445	-0.034	-0.007	-0.256	0.204	-187.821	1
45101_5101	45101	5101	-11.672	-8.77	0.043	-2.701	0.115	-847.685	1
45101_5102	45101	5102	35.445	-0.034	-0.066	-0.569	-0.195	-187.616	1
45102_5102	45102	5102	-12.152	-13.168	-0.032	2.894	0.4	-861.358	1
45102_5103	45102	5103	35.444	-0.034	0.17	0.681	0.823	-187.412	1
45103_5103	45103	5103	-12.98	-17.433	-0.01	1.175	0.261	-847.401	1
45103_5104	45103	5104	35.445	-0.034	0.112	0.379	1.497	-187.209	1
45104_5104	45104	5104	-14.266	-12.337	-0.001	0.611	0.264	-813.53	1
45104_5105	45104	5105	34.48	0.647	-0.009	0.112	-0.605	-190.166	1
45105_5105	45105	5105	-16.597	-18.122	0.019	-0.29	0.326	-803.603	1
45105_5106	45105	5106	34.48	0.647	-0.051	-0.118	-1.011	-195.335	1
45106_5106	45106	5106	-19.812	-23.474	0.024	-0.25	0.564	-756.855	1
45106_5107	45106	5107	34.48	0.647	-0.052	-0.125	-1.428	-200.51	1
45107_5107	45107	5107	-23.476	-22.813	0.033	0.113	0.881	-674.038	1
45107_5108	45107	5108	23.58	9.672	0.006	0.141	1.001	-244.252	1
45108_5108	45108	5108	-27.399	-27.784	0.035	0.168	1.253	-602.17	1
45108_5109	45108	5109	14.783	15.955	0.001	0.146	0.467	-340.854	1
45109_5109	45109	5109	-31.052	-32.286	0.074	-0.307	1.691	-500.431	1
45109_5110	45109	5110	11.775	24.067	-0.018	-0.188	-0.211	-522.541	1
45110_5110	45110	5110	-1.319	-1.132	-0.009	0.222	1.158	-239.715	1
45110_5111	45110	5111	6.382	-5.545	-0.01	0.593	1.55	-654.81	1
45111_5111	45111	5111	8.353	-1.137	-0.026	-0.335	1.253	-465.646	1
45111_5112	45111	5112	6.308	-5.317	-0.021	-0.478	1.409	-587.945	1
45112_5112	45112	5112	11.079	-3.491	0.033	0.403	0.994	-673.72	1
45112_5113	45112	5113	6.224	-4.68	0.02	0.349	1.643	-525.651	1
45113_5113	45113	5113	13.764	-10.895	0.013	-0.583	1.58	-866.077	1
45113_5114	45113	5114	6.084	-4.483	0.011	-0.361	1.813	-471.762	1
45114_5114	45114	5114	15.777	-8.891	-0.08	0.162	1.96	-949.264	1
45114_5115	45114	5115	6.161	-3.863	-0.049	0.093	1.4	-439.938	1
45115_5115	45115	5115	16.717	-13.817	-0.09	-0.092	1.341	-1035.433	1
45115_5116	45115	5116	5.774	-3.78	-0.049	-0.039	0.718	-386.178	1
45116_5116	45116	5116	17.432	-11.626	0.072	0.42	0.017	-1095.251	1
45116_5117	45116	5117	5.774	-3.468	0.023	0.154	0.974	-347.298	1
45117_5117	45117	5117	17.469	-18.611	0.063	-0.527	0.825	-1185.444	1
45117_5118	45117	5118	5.774	-3.468	0.018	-0.155	1.172	-308.417	1
45118_5118	45118	5118	17.137	-14.332	-0.049	0.429	1.576	-1202.617	1
45118_5119	45118	5119	5.774	-3.34	-0.019	0.104	0.955	-270.968	1
45119_5119	45119	5119	16.773	-21.524	-0.065	-0.593	1.01	-1270.674	1
45119_5120	45119	5120	5.774	-3.34	-0.024	-0.138	0.681	-233.519	1
45120_5120	45120	5120	16.341	-16.794	0.041	1.289	0.247	-1255.839	1
45120_5121	45120	5121	5.774	-3.274	0.003	0.223	0.721	-194.059	1
45121_5121	45121	5121	16.082	-24.685	0.002	-1.622	0.724	-1299.831	1
45121_5122	45121	5122	7.61	2.157	-0.016	-0.186	0.243	-173.135	1
45122_5122	45122	5122	16.059	-20.436	-0.018	0.409	0.705	-1240.907	1
45122_5123	45122	5123	7.61	2.223	0.009	0.08	0.347	-198.053	1
45123_5123	45123	5123	16.276	-27.88	-0.029	-0.586	0.482	-1240.287	1
45123_5124	45123	5124	7.866	2.227	0.002	-0.097	0.371	-222.991	1
45124_5124	45124	5124	16.712	-23.446	0.004	0.749	0.163	-1149.537	1
45124_5125	45124	5125	7.929	2.392	-0.006	0.213	0.303	-249.786	1
45125_5125	45125	5125	17.331	-30.922	-0.027	-1.026	0.208	-1112.795	1
45125_5126	45125	5126	7.929	2.392	-0.02	-0.232	0.077	-276.601	1
45126_5126	45126	5126	18.989	-15.189	-0.005	0.357	-0.19	-1001.288	1
45126_5127	45126	5127	8.102	2.709	0.005	0.144	0.143	-313.618	1
45127_5127	45127	5127	18.774	-23.97	-0.029	-0.72	-0.354	-921.37	1
45127_5128	45127	5128	8.078	2.777	-0.005	-0.249	0.098	-334.42	1
45128_5128	45128	5128	18.32	-19.038	0.008	0.618	-0.469	-827.476	1
45128_5129	45128	5129	8.269	3.531	-0.001	0.393	0.092	-375.735	1

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45129_5129	45129	5129	17.4	-26.233	-0.036	-0.771	-0.59	-748.051	1
45129_5130	45129	5130	-17.139	16.795	0.037	-0.24	-0.141	-499.258	1
45130_5130	45130	5130	15.269	-28.053	0.133	0.094	-1.247	-557.028	1
45130_5131	45130	5131	-18.704	19.921	-0.013	0.28	-0.182	-717.768	1
45131_5131	45131	5131	13.671	-34.922	0.128	-0.134	0.308	-366.98	1
45131_5132	45131	5132	-21.331	26.724	-0.019	-0.263	-0.581	-999.961	1
45132_5132	45132	5132	-41.076	0.413	0.106	-0.946	0.179	-300.742	1
45132_5133	45132	5133	11.045	-17.433	-0.018	-0.571	-0.423	-336.509	1
45133_5133	45133	5133	-35.57	-4.201	0.136	-1.974	1.004	-448.491	1
45133_5134	45133	5134	43.169	-1.987	-0.271	-1.048	-3.017	-234.351	1
45134_5134	45134	5134	-31.233	-8.845	-0.267	4.576	1.815	-546.11	1
45134_5135	45134	5135	42.035	-1.931	0.272	1.971	-0.846	-219.222	1
45135_5135	45135	5135	-26.617	-7.691	0.048	0.299	-0.429	-616.541	1
45135_5136	45135	5136	42.033	-1.442	0.019	0.144	-0.694	-207.707	1
45136_5136	45136	5136	-22.248	-12.683	0.079	-0.517	-0.101	-703.329	1
45136_5137	45136	5137	42.033	-1.442	-0.034	-0.116	-0.963	-196.167	1
45137_5137	45137	5137	-18.295	-18.225	0.048	0.414	0.502	-752.026	1
45137_5138	45137	5138	40.502	-1.399	0.023	0.132	-0.775	-184.874	1
45138_5138	45138	5138	-15.233	-14.751	-0.04	0.557	0.83	-762.179	1
45138_5139	45138	5139	40.502	-0.88	0.058	0.18	-0.428	-179.587	1
45139_5139	45139	5139	-10.323	-8.896	-0.009	-0.664	0.455	-803.04	1
45139_5140	45139	5140	40.502	-0.88	-0.01	-0.12	-0.486	-174.306	1
45140_5140	45140	5140	-10.458	-13.484	-0.024	0.713	0.38	-818.59	1
45140_5141	45140	5141	40.862	-0.878	0.058	0.171	-0.143	-169.025	1
45141_5141	45141	5141	-10.954	-17.929	-0.005	-0.665	0.232	-805.072	1
45141_5142	45141	5142	40.862	-0.878	-0.01	-0.111	-0.202	-163.759	1
45142_5142	45142	5142	-11.94	-12.527	0.006	0.029	0.197	-770.683	1
45142_5143	45142	5143	27.03	1.838	0.023	-0.007	-0.306	-166.671	1
45143_5143	45143	5143	-13.918	-18.512	0.006	0.027	0.277	-763.001	1
45143_5144	45143	5144	27.409	1.846	0.023	-0.007	-0.124	-181.392	1
45144_5144	45144	5144	-16.819	-24.061	0.004	0.028	0.325	-716.589	1
45144_5145	45144	5145	27.409	1.846	0.023	-0.007	0.059	-196.162	1
45145_5145	45145	5145	-20.188	-23.44	-0.019	-0.118	0.344	-631.908	1
45145_5146	45145	5146	21.309	10.883	0.03	-0.146	0.084	-238.977	1
45146_5146	45146	5146	-23.841	-28.56	-0.017	-0.145	0.192	-558.517	1
45146_5147	45146	5147	14.025	17.094	0.027	-0.156	0.201	-345.186	1
45147_5147	45147	5147	-27.267	-33.187	-0.051	0.367	0.071	-451.379	1
45147_5148	45147	5148	11.135	23.65	0.038	0.264	0.501	-543.822	1
45148_5148	45148	5148	1.437	-1.467	-0.001	0.101	0.564	-216.498	1
45148_5149	45148	5149	-33.122	-17.886	-0.001	0.249	-0.406	-644.291	1
45149_5149	45149	5149	14.752	-1.327	0.006	-0.163	-0.128	-421.819	1
45149_5150	45149	5150	14.951	-6.123	-0.022	-0.229	0.447	-529.091	1
45150_5150	45150	5150	19.037	-3.79	-0.002	0.089	0.033	-617.585	1
45150_5151	45150	5151	14.911	-5.302	0.011	0.089	0.582	-458.585	1
45151_5151	45151	5151	23.34	-11.045	-0.005	-0.085	-0.003	-787.032	1
45151_5152	45151	5152	14.798	-4.886	0.006	-0.046	0.67	-396.046	1
45152_5152	45152	5152	26.621	-9.061	0.005	0.012	-0.025	-856.175	1
45152_5153	45152	5153	14.849	-4.15	-0.004	0.012	0.64	-361.796	1
45153_5153	45153	5153	28.351	-13.852	0.005	0.02	0.03	-929.894	1
45153_5154	45153	5154	14.645	-4.013	-0.003	0.01	0.603	-304.936	1
45154_5154	45154	5154	30.158	-12.017	0.003	0.023	0.107	-975.561	1
45154_5155	45154	5155	14.645	-3.748	-0.002	0.005	0.586	-263.707	1
45155_5155	45155	5155	30.906	-19.104	0.003	0.025	0.147	-1052.154	1
45155_5156	45155	5156	14.645	-3.748	-0.002	0.005	0.569	-222.477	1
45156_5156	45156	5156	31.121	-15.709	0.014	0.029	0.178	-1056.843	1
45156_5157	45156	5157	14.645	-3.646	0.001	0	0.577	-185.982	1
45157_5157	45157	5157	31.163	-22.437	0.016	0.043	0.337	-1099.37	1
45157_5158	45157	5158	14.183	-3.642	0.001	0.002	0.594	-149.563	1
45158_5158	45158	5158	31.113	-18.454	-0.032	-0.44	0.544	-1073.994	1
45158_5159	45158	5159	14.88	3.191	-0.004	-0.076	0.436	-165.576	1
45159_5159	45159	5159	31.36	-14.369	0.008	0.554	0.267	-1095.698	1
45159_5160	45159	5160	14.88	3.191	0.011	0.089	0.546	-197.517	1
45160_5160	45160	5160	31.419	-9.925	-0.013	0.026	0.391	-1051.666	1
45160_5161	45160	5161	14.881	3.326	-0.007	0.01	0.471	-234.103	1
45161_5161	45161	5161	31.321	-17.696	-0.017	0.024	0.239	-1045.15	1
45161_5162	45161	5162	14.881	3.326	-0.007	0.01	0.397	-270.688	1
45162_5162	45162	5162	30.688	-13.989	0.067	0.245	-0.001	-967.064	1
45162_5163	45162	5163	15.336	3.683	0.046	0.097	0.998	-321.201	1
45163_5163	45163	5163	29.21	-22.823	0.048	-0.401	0.938	-918.854	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45163_5164	45163	5164	15.305	3.81	0.035	-0.145	1.284	-353.535	1
45164_5164	45164	5164	27.884	-18.464	-0.049	-0.354	1.349	-839.926	1
45164_5165	45164	5165	15.4	4.677	-0.04	-0.225	0.796	-408.434	1
45165_5165	45165	5165	25.686	-25.4	-0.026	0.39	0.816	-771.512	1
45165_5166	45165	5166	15.52	5.103	-0.023	0.202	0.483	-480.149	1
45166_5166	45166	5166	22.203	-28.439	0.014	0.096	0.374	-590.76	1
45166_5167	45166	5167	-32.858	19.474	-0.011	0.269	-0.829	-684.692	1
45167_5167	45167	5167	19.213	-35.117	0.003	-0.171	0.383	-392.844	1
45167_5168	45167	5168	-34.202	25.729	0.014	-0.24	-0.707	-963.659	1
45168_5168	45168	5168	-34.514	0.886	-0.024	0.134	0.585	-308.566	1
45168_5169	45168	5169	14.639	-17.965	-0.001	0.202	0.278	-359.508	1
45169_5169	45169	5169	-29.891	-3.55	0.015	-0.377	0.312	-459.394	1
45169_5170	45169	5170	21.714	-11.411	-0.023	-0.242	0.249	-240.951	1
45170_5170	45170	5170	-26.288	-8.001	-0.012	0.342	0.386	-562.627	1
45170_5171	45170	5171	29.904	-2.447	0.045	0.093	-0.425	-205.406	1
45171_5171	45171	5171	-22.427	-7.702	0.013	-0.481	0.299	-639.38	1
45171_5172	45171	5172	29.908	-1.779	-0.021	-0.146	-0.591	-191.167	1
45172_5172	45172	5172	-18.834	-12.556	-0.01	0.31	0.325	-726.345	1
45172_5173	45172	5173	29.508	-1.774	0.017	0.093	-0.455	-176.967	1
45173_5173	45173	5173	-15.69	-17.951	-0.007	0.269	0.213	-777.183	1
45173_5174	45173	5174	29.508	-1.774	0.017	0.093	-0.323	-162.775	1
45174_5174	45174	5174	-13.47	-14.994	0.008	-0.563	0.148	-791.255	1
45174_5175	45174	5175	29.508	-1.21	-0.017	-0.113	-0.427	-155.511	1
45175_5175	45175	5175	-11.95	-8.726	-0.007	0.705	0.05	-827.143	1
45175_5176	45175	5176	29.508	-1.21	0.032	0.146	-0.236	-148.252	1
45176_5176	45176	5176	-11.654	-23.369	0.01	-0.663	0.07	-841.978	1
45176_5177	45176	5177	38.242	1.02	-0.047	-0.15	0.554	-154.192	1
45177_5177	45177	5177	-11.374	-27.856	-0.01	0.703	0.098	-828.671	1
45177_5178	45177	5178	37.81	1.022	0.017	0.107	0.659	-160.322	1
45178_5178	45178	5178	-15.809	-12.864	-0.007	0.268	0.001	-792.68	1
45178_5179	45178	5179	38.243	1.657	-0.01	0.051	0.574	-173.566	1
45179_5179	45179	5179	-18.773	-18.679	-0.003	0.285	-0.057	-779.468	1
45179_5180	45179	5180	38.243	1.657	-0.01	0.051	0.493	-186.822	1
45180_5180	45180	5180	-22.626	-24.062	0.024	-0.589	-0.113	-729.677	1
45180_5181	45180	5181	38.243	1.657	-0.058	-0.182	0.029	-200.079	1
45181_5181	45181	5181	-26.897	-23.768	-0.003	0.304	0.063	-643.752	1
45181_5182	45181	5182	18.053	11.445	0.015	0.073	0.086	-237.271	1
45182_5182	45182	5182	-31.4	-28.672	0.032	-0.369	0.059	-567.361	1
45182_5183	45182	5183	12.687	18.014	-0.011	-0.241	-0.044	-353.017	1
45183_5183	45183	5183	-35.598	-33.103	-0.017	0.212	0.281	-458.411	1
45183_5184	45183	5184	11.372	24.759	0	0.208	-0.096	-562.706	1
45184_5184	45184	5184	-7.98	-2.746	-0.005	-0.09	0.557	-183.404	1
45184_5185	45184	5185	-26.514	-20.515	0.007	-0.297	0.47	-689.443	1
45185_5185	45185	5185	11.773	-0.433	0.016	0.17	-0.102	-381.613	1
45185_5186	45185	5186	9.194	-5.118	0.001	0.231	0.144	-461.189	1
45186_5186	45186	5186	15.365	-3.004	0.016	-0.101	0.045	-590.82	1
45186_5187	45186	5187	9.169	-4.392	0.013	-0.063	0.337	-402.926	1
45187_5187	45187	5187	18.955	-9.986	0.029	0.225	0.34	-781.848	1
45187_5188	45187	5188	8.978	-4.121	0.018	0.125	0.544	-351.557	1
45188_5188	45188	5188	21.631	-8.606	0.005	0.072	0.707	-876.31	1
45188_5189	45188	5189	9.045	-3.433	0.005	0.044	0.586	-323.272	1
45189_5189	45189	5189	22.984	-13.259	0.007	0.057	0.809	-963.085	1
45189_5190	45189	5190	9.073	-3.359	0.005	0.035	0.653	-275.526	1
45190_5190	45190	5190	24.254	-12.123	0.026	0.081	1.056	-1034.988	1
45190_5191	45190	5191	8.87	-3.067	0.009	0.036	0.757	-241.771	1
45191_5191	45191	5191	24.642	-18.957	0.026	0.085	1.448	-1123.016	1
45191_5192	45191	5192	8.796	-3.065	0.009	0.036	0.857	-208.035	1
45192_5192	45192	5192	24.577	-16.148	-0.002	0.113	1.826	-1141.913	1
45192_5193	45192	5193	8.796	-2.937	0.008	0.033	0.94	-178.606	1
45193_5193	45193	5193	24.008	-11.019	0.007	0.095	2.094	-1190.549	1
45193_5194	45193	5194	7.011	3.234	0.018	0.063	2.126	-171.182	1
45194_5194	45194	5194	23.998	-7.288	0.035	0.091	2.247	-1173.759	1
45194_5195	45194	5195	7.011	3.343	0.031	0.049	2.44	-204.711	1
45195_5195	45195	5195	24.037	-14.1	0.038	0.085	2.686	-1195.408	1
45195_5196	45195	5196	7.011	3.343	0.031	0.049	2.753	-238.241	1
45196_5196	45196	5196	24	-10.302	0.022	0.068	3.147	-1152.689	1
45196_5197	45196	5197	7.667	3.588	0.023	0.027	2.96	-277.631	1
45197_5197	45197	5197	23.82	-17.657	0.02	0.061	3.41	-1140.978	1
45197_5198	45197	5198	7.667	3.588	0.023	0.027	3.214	-317.106	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45198_5198	45198	5198	23.204	-14.627	0.034	0.04	3.584	-1062.149	1
45198_5199	45198	5199	7.667	4.083	0.023	0.011	3.526	-373.204	1
45199_5199	45199	5199	21.902	-22.993	0.034	0.002	3.915	-1007.978	1
45199_5200	45199	5200	8.079	4.173	0.022	-0.016	3.643	-409.157	1
45200_5200	45200	5200	20.825	-19.626	0.004	-0.047	4.053	-926.453	1
45200_5201	45200	5201	8.061	5.051	0.014	-0.042	3.793	-468.479	1
45201_5201	45201	5201	19.155	-26.195	0.011	0.049	3.876	-842.943	1
45201_5202	45201	5202	8.169	5.281	0.016	-0.009	3.949	-540.97	1
45202_5202	45202	5202	16.561	-29.369	0.017	-0.165	3.504	-652.127	1
45202_5203	45202	5203	-25.68	21.852	-0.012	-0.228	-4.457	-714.596	1
45203_5203	45203	5203	14.521	-35.568	0.028	0.045	3.38	-442.812	1
45203_5204	45203	5204	-26.924	28.722	-0.03	0.435	-4.917	-1022.512	1
45204_5204	45204	5204	-41.595	-0.335	-0.094	-0.179	6.3	-374.313	1
45204_5205	45204	5205	17.611	-18.052	-0.009	-0.155	1.083	-392.021	1
45205_5205	45205	5205	-36.488	-4.467	-0.125	0.379	4.903	-521.87	1
45205_5206	45205	5206	22.834	-13.093	-0.009	0.252	2.075	-267.567	1
45206_5206	45206	5206	-32.427	-8.548	-0.08	-0.415	3.56	-820.381	1
45206_5207	45206	5207	38.343	-1.74	0.111	-0.033	-4.667	-214.651	1
45207_5207	45207	5207	-28.118	-8.557	-0.06	-0.029	2.557	-695.963	1
45207_5208	45207	5208	38.344	-1.093	0.124	0.139	-3.672	-205.908	1
45208_5208	45208	5208	-24.06	-13.067	-0.051	-0.018	1.798	-779.36	1
45208_5209	45208	5209	38.344	-1.093	0.124	0.139	-2.677	-197.166	1
45209_5209	45209	5209	-20.435	-18.063	-0.043	-0.013	1.157	-830.666	1
45209_5210	45209	5210	38.344	-1.093	0.124	0.139	-1.681	-188.423	1
45210_5210	45210	5210	-17.697	-16.007	-0.024	-0.646	0.657	-849.752	1
45210_5211	45210	5211	38.344	-0.487	0.063	-0.01	-1.304	-185.498	1
45211_5211	45211	5211	-14.447	-8.469	-0.009	0.755	-0.116	-886.723	1
45211_5212	45211	5212	38.344	-0.487	0.127	0.299	-0.543	-182.574	1
45212_5212	45212	5212	-15.042	-12.678	0.022	-0.76	-0.249	-901.482	1
45212_5213	45212	5213	40.274	-0.455	0.062	-0.004	-0.194	-179.731	1
45213_5213	45213	5213	-16.028	-16.769	0.003	0.768	-0.178	-889.7	1
45213_5214	45213	5214	40.274	-0.455	0.129	0.295	0.582	-177.003	1
45214_5214	45214	5214	-17.517	-13.145	0.022	0.416	-0.141	-859.105	1
45214_5215	45214	5215	42.032	-0.002	0.07	0.242	1.133	-176.54	1
45215_5215	45215	5215	-20.159	-18.549	0.038	-0.56	-0.049	-843.531	1
45215_5216	45215	5216	45.488	0.217	0.013	0.023	1.21	-176.941	1
45216_5216	45216	5216	-23.662	-23.542	0.013	0.465	0.269	-795.774	1
45216_5217	45216	5217	36.491	7.342	0.032	0.21	0.75	-200.032	1
45217_5217	45217	5217	-27.57	-23.653	0.006	1.315	0.491	-715.665	1
45217_5218	45217	5218	24.056	12.608	0.224	1.175	1.98	-274.349	1
45218_5218	45218	5218	-31.717	-28.15	0.052	0.739	0.647	-642.335	1
45218_5219	45218	5219	17.791	18.018	0.179	0.829	2.816	-388.05	1
45219_5219	45219	5219	-35.598	-32.227	0.3	-2.204	1.403	-537.416	1
45219_5220	45219	5220	14.672	25.42	0.07	-1.37	2.795	-593.763	1
45220_5220	45220	5220	8.374	3.935	-0.03	0.584	1.48	-221.576	1
45220_5221	45220	5221	7.118	-6.711	-0.09	1.351	2.338	-691.943	1
45221_5221	45221	5221	11.3	-0.995	-0.09	-0.576	0.953	-487.744	1
45221_5222	45221	5222	7.073	-6.484	-0.113	-0.916	1.132	-610.177	1
45222_5222	45222	5222	14.806	-3.657	0.107	1.389	-0.415	-704.328	1
45222_5223	45222	5223	7.252	-5.794	0.048	1.156	1.644	-533.336	1
45223_5223	45223	5223	18.474	-10.158	0.008	-1.789	0.965	-899.127	1
45223_5224	45223	5224	6.877	-5.549	0.014	-1.07	1.893	-465.359	1
45224_5224	45224	5224	21.362	-9.303	0.107	2.423	1.393	-1004.306	1
45224_5225	45224	5225	6.966	-4.807	0.075	1.15	2.482	-425.729	1
45225_5225	45225	5225	22.951	-14.466	0.04	-1.344	2.389	-1097.688	1
45225_5226	45225	5226	6.758	-4.736	0.05	-0.503	3.258	-352.4	1
45226_5226	45226	5226	24.931	-13.829	0.064	2.242	3.673	-1181.627	1
45226_5227	45226	5227	6.671	-4.376	0.011	0.698	3.395	-300.513	1
45227_5227	45227	5227	26.471	-7.777	0.006	-2.41	5.557	-1267.522	1
45227_5228	45227	5228	6.671	-4.376	-0.017	-0.569	3.194	-248.63	1
45228_5228	45228	5228	26.57	-5.342	0.161	2.794	6.078	-1274.101	1
45228_5229	45228	5229	9.051	4.243	0.142	0.661	6.459	-235.943	1
45229_5229	45229	5229	26.57	-12.833	0.071	-2.464	8.491	-1310.322	1
45229_5230	45229	5230	9.696	4.27	0.101	-0.336	7.563	-286.49	1
45230_5230	45230	5230	26.392	-10.887	0.179	2.057	10.001	-1257.557	1
45230_5231	45230	5231	9.959	4.581	0.119	0.768	8.946	-342.154	1
45231_5231	45231	5231	25.844	-18.403	0.088	-1.744	12.451	-1232.379	1
45231_5232	45231	5232	9.959	4.581	0.086	-0.354	9.995	-398.009	1
45232_5232	45232	5232	24.702	-17.747	-0.153	1.596	13.715	-1127.359	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45232_5233	45232	5233	10.425	5.173	-0.075	0.997	9.086	-445.412	1
45233_5233	45233	5233	23.566	-22.898	-0.187	0.119	12.037	-1071.757	1
45233_5234	45233	5234	10.391	5.241	-0.091	0.276	8.464	-481.519	1
45234_5234	45234	5234	22.691	-26.4	-0.233	-2.15	10.53	-1001.698	1
45234_5235	45234	5235	10.332	5.356	-0.115	-0.936	7.557	-522.982	1
45235_5235	45235	5235	21.326	-26.293	1.386	2.062	8.672	-899.054	1
45235_5236	45235	5236	10.241	5.93	0.704	1.821	11.406	-554.734	1
45236_5236	45236	5236	20.561	-28.749	1.322	-0.258	15.778	-846.552	1
45236_5237	45236	5237	10.353	6.107	0.665	0.024	16.827	-610.714	1
45237_5237	45237	5237	19.001	-32.633	1.239	-1.841	26.377	-724.347	1
45237_5238	45237	5238	10.277	6.247	0.643	-1.458	20.994	-651.954	1
45238_5238	45238	5238	17.235	-24.097	-1.516	1.588	33.846	-612.488	1
45238_5239	45238	5239	10.362	8.748	-0.616	1.611	14.747	-737.902	1
45239_5239	45239	5239	16.331	-28.891	-1.507	-0.299	17.051	-519.065	1
45239_5240	45239	5240	-29.345	21.419	1.161	-0.654	-7.817	-952.229	1
45240_5240	45240	5240	-45.308	-6.179	0.958	0.269	-8.039	-561.788	1
45240_5241	45240	5241	34.139	-11.855	0.295	0.801	3.131	-1167.717	1
45241_5241	45241	5241	-40.292	-13.105	1.171	-2.126	3.31	-684.679	1
45241_5242	45241	5242	38.843	-9.965	0.293	-0.814	5.695	-303.066	1
45242_5242	45242	5242	-37.914	-16.765	1.196	-2.442	9.851	-715.15	1
45242_5243	45242	5243	46.069	-7.707	0.443	-1.139	10.87	-247.311	1
45243_5243	45243	5243	-35.108	-7.492	-0.782	1.108	16.898	-724.314	1
45243_5244	45243	5244	36.845	-0.403	0.514	0.643	-5.717	-203.923	1
45244_5244	45244	5244	-31.276	-12.514	-0.613	-1.293	8.457	-836.394	1
45244_5245	45244	5245	36.846	-0.403	0.39	-0.042	-1.898	-199.98	1
45245_5245	45245	5245	-28.089	-14.772	-0.225	1.333	1.999	-905.456	1
45245_5246	45245	5246	36.848	-0.033	0.284	0.499	0.983	-199.594	1
45246_5246	45246	5246	-24.972	-8.586	-0.027	-1.413	-1.94	-972.327	1
45246_5247	45246	5247	39.687	0.053	0.163	-0.179	2.529	-199.921	1
45247_5247	45247	5247	-26.15	-9.889	-0.19	1.589	-2.566	-978.49	1
45247_5248	45247	5248	39.687	0.448	0.055	0.532	3.044	-204.024	1
45248_5248	45248	5248	-28.197	-15.85	-0.095	-1.223	-4.826	-975.325	1
45248_5249	45248	5249	44.223	0.752	-0.074	-0.098	2.386	-210.332	1
45249_5249	45249	5249	-31.521	-18.604	-0.16	0.972	-6.059	-916.142	1
45249_5250	45249	5250	48.191	1.541	-0.265	0.514	-0.244	-222.671	1
45250_5250	45250	5250	-35.816	-24.285	-0.055	-1.013	-7.902	-848.225	1
45250_5251	45250	5251	40.185	9.104	-0.182	-0.069	0.772	-265.577	1
45251_5251	45251	5251	-40.282	-15.581	1.259	1.385	-7.857	-749.367	1
45251_5252	45251	5252	35.105	10.37	0.407	0.992	4.481	-322.208	1
45252_5252	45252	5252	-43.221	-19.262	1.289	0.358	-0.127	-745.301	1
45252_5253	45252	5253	30.012	12.825	0.079	0.424	4.639	-393.205	1
45253_5253	45253	5253	-46.081	-22.99	1.375	-1.393	7.842	-720.837	1
45253_5254	45253	5254	27.153	15.222	-0.212	-0.623	0.922	-526.249	1
45254_5254	45254	5254	6.759	-12.493	1.892	1.317	16.87	-424.351	1
45254_5255	45254	5255	-29.02	-17.853	0.273	-7.5	8.738	-939.316	1
45255_5255	45255	5255	8.51	-2.816	-1.818	0.551	21.416	-442.978	1
45255_5256	45255	5256	6.872	-8.61	-1.463	1.386	0.133	-741.908	1
45256_5256	45256	5256	11.066	-8.734	-1.804	-1.395	-3.688	-614.516	1
45256_5257	45256	5257	6.684	-8.366	-1.536	-1.512	-13.614	-665.274	1
45257_5257	45257	5257	13.738	-1.908	0.703	2.066	-21.073	-689.953	1
45257_5258	45257	5258	6.88	-6.105	0.447	2.026	-10.908	-625.475	1
45258_5258	45258	5258	15.261	-4.424	0.658	0.741	-16.926	-796.504	1
45258_5259	45258	5259	6.956	-6.02	0.429	0.674	-7.625	-580.676	1
45259_5259	45259	5259	17.044	-7.646	0.587	-1.721	-12.484	-898.349	1
45259_5260	45259	5260	7.053	-5.907	0.408	-1.109	-4.43	-532.207	1
45260_5260	45260	5260	18.858	-7.393	0.462	3.358	-8.136	-985.31	1
45260_5261	45260	5261	7.062	-5.429	0.279	1.913	-2.848	-500.065	1
45261_5261	45261	5261	20.117	-10.045	0.421	0.011	-5.391	-1063.889	1
45261_5262	45261	5262	7.112	-5.364	0.253	0.136	-1.199	-465.708	1
45262_5262	45262	5262	21.392	-13.207	0.422	-1.035	-2.462	-1133.937	1
45262_5263	45262	5263	6.74	-5.29	0.243	-0.367	1.683	-401.509	1
45263_5263	45263	5263	23.428	-13.053	0.13	1.851	3.618	-1214.21	1
45263_5264	45263	5264	6.741	-4.891	0.075	0.745	2.541	-345.649	1
45264_5264	45264	5264	25.02	-19.221	0.104	-1.443	5.95	-1303.27	1
45264_5265	45264	5265	6.741	-4.891	0.056	-0.247	3.191	-288.743	1
45265_5265	45265	5265	26.289	-18.103	0.241	2.533	8.378	-1331.017	1
45265_5266	45265	5266	6.591	-4.623	0.111	0.643	4.451	-234.818	1
45266_5266	45266	5266	29.239	-11.035	0.208	-2.169	14.19	-1375.664	1
45266_5267	45266	5267	16.661	4.737	0.155	-0.137	11.228	-262.781	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45267_5267	45267	5267	29.879	-9.414	0.246	3.323	17.176	-1344.214	1
45267_5268	45267	5268	16.707	5.035	0.179	1.12	13.275	-320.884	1
45268_5268	45268	5268	30.189	-16.18	0.101	-2.75	20.151	-1335.947	1
45268_5269	45268	5269	16.708	5.035	0.099	-0.414	14.412	-378.824	1
45269_5269	45269	5269	29.98	-15.309	0.285	2.883	21.121	-1259.167	1
45269_5270	45269	5270	16.71	5.527	0.219	1.511	16.354	-427.842	1
45270_5270	45270	5270	29.379	-20.259	0.163	-0.396	22.888	-1221.379	1
45270_5271	45270	5271	16.711	5.527	0.171	0.273	17.86	-476.62	1
45271_5271	45271	5271	28.542	-24.724	0.086	-2.833	23.402	-1146.037	1
45271_5272	45271	5272	16.676	5.633	0.133	-0.912	18.706	-513.48	1
45272_5272	45272	5272	27.803	-23.33	1.191	2.154	23.113	-1071.489	1
45272_5273	45272	5273	16.607	6.302	0.553	1.89	22.637	-557.825	1
45273_5273	45273	5273	26.835	-26.61	1.118	0.061	30.069	-1001.038	1
45273_5274	45273	5274	16.621	6.49	0.517	0.535	25.935	-600.297	1
45274_5274	45274	5274	25.942	-29.311	1.026	-2.385	35.836	-925.154	1
45274_5275	45274	5275	16.512	6.766	0.475	-1.288	31.179	-679.81	1
45275_5275	45275	5275	22.976	-22.152	-3.144	0.809	43.689	-755.389	1
45275_5276	45275	5276	16.402	9.385	-1.219	1.752	18.956	-772.394	1
45276_5276	45276	5276	20.899	-27.065	-3.278	-1.844	7.737	-678.551	1
45276_5277	45276	5277	16.222	9.683	-1.288	-1.747	6.418	-864.946	1
45277_5277	45277	5277	18.194	-22.745	2.238	-2.517	-27.167	-560.766	1
45277_5278	45277	5278	-31.809	18.792	1.593	-1.594	-6.705	-986.222	1
45278_5278	45278	5278	-44.002	-12.126	0.87	1.274	-3.835	-722.461	1
45278_5279	45278	5279	41.619	-11.504	-0.384	0.065	7.293	-386.416	1
45279_5279	45279	5279	-40.322	-17.442	1.188	-0.669	4.121	-761.885	1
45279_5280	45279	5280	47.815	-9.988	-0.376	-0.916	5.791	-311.436	1
45280_5280	45280	5280	-37.828	-10.438	-0.7	1.033	12.215	-760.104	1
45280_5281	45280	5281	59.761	-6.17	0.044	0.315	9.114	-221.511	1
45281_5281	45281	5281	-33.455	-16.926	-0.587	-0.851	4.049	-832.218	1
45281_5282	45281	5282	57.307	-2.482	-0.1	-0.305	10.68	-177.778	1
45282_5282	45282	5282	-29.51	-16.1	-0.092	0.92	-3.166	-811.7	1
45282_5283	45282	5283	37.744	-0.293	0.297	0.355	4.266	-191.596	1
45283_5283	45283	5283	-27.315	-24.061	0.067	-1.335	-3.57	-841.605	1
45283_5284	45283	5284	40.484	-0.167	0.174	-0.242	6.841	-189.091	1
45284_5284	45284	5284	-26.762	-20.075	0.23	0.646	-1.278	-782.328	1
45284_5285	45284	5285	44.546	1.496	-0.232	0.352	4.896	-203.574	1
45285_5285	45285	5285	-33.92	-16.341	0.199	-0.9	4.504	-800.598	1
45285_5286	45285	5286	47.868	1.987	-0.374	-0.131	1.355	-220.632	1
45286_5286	45286	5286	-38.36	-12.956	-0.628	1.322	6.533	-754.239	1
45286_5287	45286	5287	46.242	6.403	0.18	0.655	2.134	-268.731	1
45287_5287	45287	5287	-44.303	-20.173	-0.385	-0.984	-0.137	-755.863	1
45287_5288	45287	5288	35.869	9.934	0.166	-0.3	4.116	-365.558	1
45288_5288	45288	5288	-50.325	-14.323	1.416	2.493	-2.21	-685.345	1
45288_5289	45288	5289	33.44	11.811	0.031	0.602	4.679	-412.222	1
45289_5289	45289	5289	-52.45	-16.632	1.431	1.576	4.087	-693.506	1
45289_5290	45289	5290	29.491	13.585	-0.273	-0.351	1.897	-535.342	1
45290_5290	45290	5290	1.789	-6.505	3.519	-3.227	2.826	-475.612	1
45290_5291	45290	5291	0.918	-9.799	1.6	-1.55	18.652	-848.584	1
45291_5291	45291	5291	2.486	-4.281	-2.69	0.934	36.855	-613.966	1
45291_5292	45291	5292	1.194	-7.929	-1.657	1.458	0.541	-762.14	1
45292_5292	45292	5292	2.804	-9.595	-2.603	-1.774	5.746	-783.732	1
45292_5293	45292	5293	1.335	-7.852	-1.674	-1.429	-15.566	-685.645	1
45293_5293	45293	5293	3.567	-4.909	0.492	2.16	-20.01	-894.798	1
45293_5294	45293	5294	1.558	-5.469	0.367	1.739	-13.044	-645.836	1
45294_5294	45294	5294	3.882	-8.41	0.458	0.284	-16.649	-1024.063	1
45294_5295	45294	5295	1.656	-5.44	0.363	0.315	-10.221	-603.977	1
45295_5295	45295	5295	4.764	2.149	0.35	-2.004	-13.507	-1139.219	1
45295_5296	45295	5296	1.694	-5.408	0.36	-1.052	-7.286	-559.567	1
45296_5296	45296	5296	4.885	5.912	0.328	2.562	-10.419	-1241.92	1
45296_5297	45296	5297	1.694	-4.369	0.166	1.124	-6.596	-541.494	1
45297_5297	45297	5297	4.936	3.48	0.319	1.187	-8.957	-1313.395	1
45297_5298	45297	5298	1.694	-4.369	0.164	0.534	-5.074	-501.475	1
45298_5298	45298	5298	5.028	-1.859	0.292	-2.094	-5.809	-1444.82	1
45298_5299	45298	5299	1.579	-4.323	0.159	-0.655	-3.676	-461.523	1
45299_5299	45299	5299	5.101	2.458	0.003	3.325	-3.136	-1522.592	1
45299_5300	45299	5300	1.578	-3.699	0.033	0.98	-3.292	-418.398	1
45300_5300	45300	5300	5.186	-4.205	-0.012	-2.866	-3.068	-1658.228	1
45300_5301	45300	5301	1.578	-3.699	0.027	-0.642	-2.959	-372.55	1
45301_5301	45301	5301	5.265	-0.707	0.085	3.384	-3.074	-1712.609	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45301_5302	45301	5302	1.552	-3.177	0.06	0.728	-2.217	-332.825	1
45302_5302	45302	5302	5.33	-7.801	0.061	-3.334	-1.918	-1802.372	1
45302_5303	45302	5303	1.552	-3.177	0.054	-0.551	-1.592	-296.159	1
45303_5303	45303	5303	5.367	-3.461	0.023	3.787	-1.158	-1800.939	1
45303_5304	45303	5304	1.423	-2.84	0.053	0.611	-0.94	-259.084	1
45304_5304	45304	5304	5.336	-25.298	0.007	-4.086	-0.818	-1857.026	1
45304_5305	45304	5305	1.423	-2.84	0.047	-0.513	-0.426	-227.705	1
45305_5305	45305	5305	5.371	-20.828	0.097	2.817	-0.843	-1822.445	1
45305_5306	45305	5306	1.423	-2.627	0.078	0.389	0.516	-196.056	1
45306_5306	45306	5306	5.371	-27.376	0.076	-2.698	0.164	-1831.027	1
45306_5307	45306	5307	1.402	-2.625	0.073	-0.248	1.392	-164.587	1
45307_5307	45307	5307	5.31	-23.731	0.043	3.178	0.852	-1744.255	1
45307_5308	45307	5308	1.239	-2.489	0.048	0.329	1.933	-134.814	1
45308_5308	45308	5308	5.158	-30.513	0.019	-3.061	1.085	-1690.037	1
45308_5309	45308	5309	1.215	-2.486	0.043	-0.204	2.459	-104.514	1
45309_5309	45309	5309	4.865	-28.617	-0.021	2.387	0.981	-1523.141	1
45309_5310	45309	5310	0.934	-2.33	0.367	0.164	6.857	-76.151	1
45310_5310	45310	5310	4.388	-36.577	-0.075	-2.305	-0.049	-1344.02	1
45310_5311	45310	5311	0.352	-2.202	0.243	-0.117	8.179	-48.727	1
45311_5311	45311	5311	4.089	-44.63	0.065	0.92	-1.305	-1019.13	1
45311_5312	45311	5312	-1.092	-1.606	0.012	0.173	-0.181	-24.525	1
45312_5312	45312	5312	3.174	-54.752	0.058	-1.497	-0.633	-572.469	1
45312_5313	45312	5313	-5.371	17.513	0.288	0.563	0	-34.57	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1	2	3	4	5	6	7	8	9
5000_5000	5000	5000	2.7135	27.5685	-0.0615	0.045	0	9.222
5000_5001	5000	5001	72.603	-71.3745	0.048	-0.081	0.6165	557.946
5001_5001	5001	5001	3.645	-3.594	0.0615	-0.0105	0.777	27.9555
5001_5002	5001	5002	108.7095	-59.8425	0.0585	0.069	1.3305	833.0985
5002_5002	5002	5002	6.6465	-3.819	-0.0525	-0.0165	1.05	51.57
5002_5003	5002	5003	144.993	-49.614	-0.069	-0.1725	0.591	1108.754
5003_5003	5003	5003	10.4775	-3.855	-0.0465	0.0105	0.36	80.886
5003_5004	5003	5004	163.6995	-37.962	-0.0735	0.1815	-0.279	1251.44
5004_5004	5004	5004	14.328	-3.8595	0.0045	-0.018	-0.1905	110.367
5004_5005	5004	5005	182.112	-41.577	0.009	-0.117	-0.216	1391.418
5005_5005	5005	5005	18.1695	-3.8595	0.0045	0.0105	-0.1365	139.479
5005_5006	5005	5006	187.509	-31.4685	0.009	0.147	-0.123	1432.446
5006_5006	5006	5006	22.014	-3.894	-0.0045	-0.036	-0.081	168.6165
5006_5007	5006	5007	197.3865	-37.269	-0.009	-0.2565	-0.234	1507.224
5007_5007	5007	5007	25.8885	-3.894	-0.003	0.036	-0.126	197.9775
5007_5008	5007	5008	195.7875	-27.5565	-0.0075	0.2505	-0.348	1494.909
5008_5008	5008	5008	29.763	-3.972	0.0015	-0.0435	-0.171	227.418
5008_5009	5008	5009	199.6185	-33.573	0.0045	-0.264	-0.309	1523.682
5009_5009	5009	5009	33.717	-3.972	0.0015	0.051	-0.1575	257.3895
5009_5010	5009	5010	192.4905	-23.955	0.0045	0.2445	-0.261	1469.367
5010_5010	5010	5010	37.683	-4.1535	-0.003	0.006	-0.144	287.775
5010_5011	5010	5011	192.3555	-10.581	-0.009	0.015	-0.3555	1468.614
5011_5011	5011	5011	41.8155	-4.1535	-0.003	0.006	-0.177	319.104
5011_5012	5011	5012	181.224	-0.3555	-0.0075	0.0105	-0.4605	1383.956
5012_5012	5012	5012	45.951	-4.467	0	-0.021	-0.21	350.4405
5012_5013	5012	5013	175.395	-6.2325	0.0195	-0.0915	-0.2295	1339.487
5013_5013	5013	5013	50.3985	-4.467	0.0015	0.0405	-0.201	384.15
5013_5014	5013	5014	158.799	4.02	0.018	0.114	-0.015	1213.413
5014_5014	5014	5014	54.852	-4.887	-0.006	-0.021	-0.186	417.999
5014_5015	5014	5015	140.2995	2.709	-0.0315	-0.06	-0.558	1072.773
5015_5015	5015	5015	66.8865	-4.683	-0.0045	0.03	-0.201	477.8655
5015_5016	5015	5016	133.881	-10.32	-0.018	0.0555	-0.4755	986.151
5016_5016	5016	5016	68.9475	-5.4405	0.0045	-0.024	-0.246	505.674
5016_5017	5016	5017	107.472	-12.5235	0.012	-0.0405	-0.3075	879.531
5017_5017	5017	5017	67.962	-5.31	0.0045	0.0405	-0.1905	560.79
5017_5018	5017	5018	67.4985	-2.85	0.012	0.0435	-0.1305	687.327
5018_5018	5018	5018	62.316	-6.1545	-0.0045	-0.0345	-0.1305	628.0275
5018_5019	5018	5019	36.7875	0.2445	-0.0015	-0.021	-0.153	478.188
5019_5019	5019	5019	55.3035	-6.3165	-0.0045	0.063	-0.168	704.49
5019_5020	5019	5020	16.7355	-1.275	-0.003	0.0255	-0.159	274.17
5020_5020	5020	5020	62.5665	35.0655	-0.0075	-0.0105	0.0885	527.409
5020_5021	5020	5021	101.943	-36.426	0.024	-0.015	-0.4185	417.8835
5021_5021	5021	5021	38.6835	26.8935	-0.0045	-0.0045	-0.036	333.72
5021_5022	5021	5022	108.654	-38.9985	0.0165	-0.015	-0.159	516.915
5022_5022	5022	5022	21.0015	22.449	-0.0015	0.0195	-0.099	226.641
5022_5023	5022	5023	112.4625	-32.418	0.0105	0.0315	-0.066	576.093
5023_5023	5023	5023	6.9195	0.942	0.003	0.0045	-0.201	93.9225
5023_5024	5023	5024	117.936	-32.886	0.0045	0.0135	-0.0075	644.355
5024_5024	5024	5024	6.216	0.942	0.0015	-0.0075	-0.1755	89.202
5024_5025	5024	5025	119.496	-25.641	0.0075	-0.078	0.06	682.8375
5025_5025	5025	5025	5.5125	0.942	0.0045	0.0135	-0.1605	84.4875
5025_5026	5025	5026	117.6135	-17.7945	0.0015	0.0795	0.0705	691.4415
5026_5026	5026	5026	4.8075	0.9105	0.0045	0.0015	-0.126	79.77
5026_5027	5026	5027	119.8845	-24.021	0.003	-0.015	0.093	718.842
5027_5027	5027	5027	4.2975	0.9105	0.0045	0	-0.102	76.347
5027_5028	5027	5028	120.204	-18.1395	0.003	-0.0315	0.1035	729.4455
5028_5028	5028	5028	3.7875	0.909	0.0045	0.0015	-0.0795	74.4225

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5028_5029	5028	5029	117.756	-26.8665	0	-0.027	0.081	714.525
5029_5029	5029	5029	3.2775	0.909	0.006	0.012	-0.054	71.007
5029_5030	5029	5030	114.654	-21.4215	-0.0045	0.0705	0.0525	685.5945
5030_5030	5030	5030	2.769	0.8715	0.006	-0.0015	-0.0195	69.486
5030_5031	5030	5031	115.3155	-25.26	-0.003	-0.054	0.015	675.0255
5031_5031	5031	5031	3.1035	-0.6915	-0.0045	-0.003	-0.0045	-29.079
5031_5032	5031	5032	112.329	-18.0105	-0.0075	0.0195	-0.054	634.578
5032_5032	5032	5032	3.6585	-0.774	-0.0045	-0.003	-0.042	-28.029
5032_5033	5032	5033	105.342	-11.4885	-0.009	0.0135	-0.1425	564.561
5033_5033	5033	5033	4.2735	-0.8865	-0.0105	0	-0.0855	-26.2545
5033_5034	5033	5034	99.969	-11.8965	-0.012	-0.0105	-0.2565	503.7135
5034_5034	5034	5034	17.928	-23.1315	0.0045	-0.012	-0.129	217.536
5034_5035	5034	5035	91.302	-5.961	-0.0135	-0.015	-0.3915	421.8585
5035_5035	5035	5035	33.7005	-27.8805	0.0075	0.027	-0.0705	340.26
5035_5036	5035	5036	80.0385	-9.6465	-0.027	0.0135	-0.849	300.321
5036_5036	5036	5036	86.6115	38.9145	0.009	-0.075	0.591	952.1295
5036_5037	5036	5037	18.87	3.8745	0	-0.0105	0.2745	144.336
5037_5037	5037	5037	77.025	30.9105	0.0015	0.111	0.6945	652.8075
5037_5038	5037	5038	42.111	-41.481	0.0045	0.036	-0.2775	623.2605
5038_5038	5038	5038	65.601	26.472	-0.0015	0.0015	0.7095	428.9235
5038_5039	5038	5039	73.5975	-37.3035	-0.0075	-0.099	-0.4065	787.4085
5039_5039	5039	5039	50.136	18.8685	-0.0075	0.03	0.6195	244.941
5039_5040	5039	5040	94.0455	-27.546	-0.0015	0.0615	-0.5115	852.375
5040_5040	5040	5040	41.433	5.589	0.0105	-0.021	-0.489	409.8855
5040_5041	5040	5041	107.142	-33.1485	0.012	-0.048	-0.4275	927.711
5041_5041	5041	5041	44.6715	5.4645	0.006	0.006	-0.189	348.5655
5041_5042	5041	5042	130.3035	-19.266	0.006	0.012	-0.1125	914.919
5042_5042	5042	5042	36.1845	4.743	-0.0015	0	-0.099	294.6
5042_5043	5042	5043	143.3475	-24.8415	-0.003	0	-0.147	993.5925
5043_5043	5043	5043	30.6165	4.686	-0.0015	0	-0.123	258.3285
5043_5044	5043	5044	146.8065	-30.7785	-0.0015	-0.003	-0.186	1002.881
5044_5044	5044	5044	25.107	4.374	0.0015	0.0015	-0.1455	221.6595
5044_5045	5044	5045	157.416	-36.1155	0	0.0045	-0.171	1063.329
5045_5045	5045	5045	20.583	-4.0005	0.0015	-0.0015	-0.0975	128.1735
5045_5046	5045	5046	154.3185	-25.4505	0	-0.003	-0.171	1041.842
5046_5046	5046	5046	25.5135	-4.314	0	-0.0135	-0.0885	165.279
5046_5047	5046	5047	158.3625	-31.0035	0	-0.072	-0.159	1064.598
5047_5047	5047	5047	30.684	-4.4085	0	0.0135	-0.09	199.578
5047_5048	5047	5048	149.5335	-20.5755	0.003	0.06	-0.126	1009.829
5048_5048	5048	5048	35.9625	-4.59	0	-0.018	-0.087	233.775
5048_5049	5048	5049	147.3855	-25.914	0.003	-0.069	-0.093	995.4765
5049_5049	5049	5049	41.475	-4.6755	0.0015	0.021	-0.081	270.153
5049_5050	5049	5050	134.727	-15.9015	0.0045	0.06	-0.03	915.651
5050_5050	5050	5050	47.055	-5.07	0.0015	-0.015	-0.0675	306.159
5050_5051	5050	5051	126.2895	-19.1145	-0.003	-0.0345	-0.069	856.7745
5051_5051	5051	5051	52.299	-5.082	0.003	0.0405	-0.0405	370.995
5051_5052	5051	5052	106.0185	-11.178	-0.0015	0.0795	-0.084	815.319
5052_5052	5052	5052	55.068	-5.5605	-0.0015	-0.045	-0.0195	399.228
5052_5053	5052	5053	87.4635	-13.7265	-0.003	-0.078	-0.084	750.705
5053_5053	5053	5053	50.5455	-5.6925	-0.0015	0.087	-0.045	476.8695
5053_5054	5053	5054	48.858	-4.0815	0.0015	0.1065	-0.096	635.553
5054_5054	5054	5054	61.2735	-20.748	-0.0015	-0.0945	0.189	409.182
5054_5055	5054	5055	26.7315	-3.2925	0.0015	-0.0285	0.0285	131.937
5055_5055	5055	5055	71.3685	-27.036	-0.006	0.0765	0.1965	635.94
5055_5056	5055	5056	26.859	-2.697	-0.0015	0.009	0.009	162.2625
5056_5056	5056	5056	51.405	34.4025	-0.0045	0.0075	0.075	484.746
5056_5057	5056	5057	95.4495	-44.892	0.0105	-0.006	-0.189	464.583
5057_5057	5057	5057	27.0975	26.4765	-0.0045	-0.018	-0.0015	309.1215

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5057_5058	5057	5058	103.4805	-38.7375	0.009	-0.051	-0.081	559.1205
5058_5058	5058	5058	11.271	22.128	-0.0015	0.0285	-0.0525	203.019
5058_5059	5058	5059	108.06	-31.9695	0.006	0.069	-0.0315	626.22
5059_5059	5059	5059	8.061	0.786	0	-0.0195	-0.1215	89.472
5059_5060	5059	5060	114.027	-32.571	0.009	-0.2055	0.0525	701.9355
5060_5060	5060	5060	7.518	0.786	0.0015	0.0195	-0.1215	85.3455
5060_5061	5060	5061	116.184	-25.2285	0.003	0.096	0.078	745.152
5061_5061	5061	5061	7.695	-0.6885	-0.0045	0.0015	-0.0975	74.424
5061_5062	5061	5062	114.924	-17.313	0.003	0.0885	0.099	755.4885
5062_5062	5062	5062	8.1735	-0.7425	-0.003	-0.0195	-0.132	74.283
5062_5063	5062	5063	117.4095	-23.886	0.0015	-0.0945	0.108	785.6565
5063_5063	5063	5063	8.559	-0.7425	-0.003	-0.021	-0.15	77.205
5063_5064	5063	5064	117.996	-18.0135	0.0015	-0.132	0.1125	797.709
5064_5064	5064	5064	8.9415	-0.7425	-0.003	0.0045	-0.1695	80.1225
5064_5065	5064	5065	116.862	-27.0525	-0.003	0.1065	0.078	784.656
5065_5065	5065	5065	9.327	-0.7425	-0.003	0.0045	-0.1875	83.0445
5065_5066	5065	5066	114.099	-21.609	-0.003	0.09	0.057	753.516
5066_5066	5066	5066	9.711	-0.7845	-0.0015	-0.015	-0.204	85.968
5066_5067	5066	5067	115.029	-25.752	-0.003	-0.051	0.027	742.2375
5067_5067	5067	5067	10.254	-0.789	-0.0015	-0.015	-0.216	88.1445
5067_5068	5067	5068	112.5645	-18.429	-0.003	-0.0615	-0.009	698.4045
5068_5068	5068	5068	10.7985	-0.789	-0.0015	0.0075	-0.2325	92.2755
5068_5069	5068	5069	106.35	-11.8245	-0.0075	0.087	-0.078	622.6335
5069_5069	5069	5069	11.343	-0.8685	0.0015	-0.0285	-0.246	96.414
5069_5070	5069	5070	101.631	-12.3675	-0.006	-0.1125	-0.1335	556.3245
5070_5070	5070	5070	11.9235	-0.87	0.0015	-0.0015	-0.2355	99.2145
5070_5071	5070	5071	93.444	-6.2475	-0.0105	0.015	-0.2355	465.4875
5071_5071	5071	5071	27.1155	-26.6355	0.006	0.0345	-0.054	318.8895
5071_5072	5071	5072	82.5135	-9.648	-0.018	0.03	-0.5055	322.176
5072_5072	5072	5072	73.8645	41.658	0.003	-0.051	0.351	866.3115
5072_5073	5072	5073	19.9575	0.123	0.003	-0.045	-0.216	189.792
5073_5073	5073	5073	62.5995	31.6245	0	0.0945	0.3765	565.3995
5073_5074	5073	5074	44.1525	-41.37	0.0045	0.0345	-0.1905	645.5655
5074_5074	5074	5074	51.024	23.2695	0.003	-0.006	0.3555	356.322
5074_5075	5074	5075	75.153	-37.0665	0.003	-0.165	-0.18	816.4425
5075_5075	5075	5075	55.872	5.3025	0.003	0.0555	-0.1395	458.8515
5075_5076	5075	5076	105.8925	-26.9385	0.006	0.0795	-0.105	838.083
5076_5076	5076	5076	55.539	4.569	-0.003	-0.036	-0.108	405.66
5076_5077	5076	5077	121.221	-32.8395	-0.003	-0.084	-0.1305	919.8705
5077_5077	5077	5077	49.2285	4.59	-0.003	0.0285	-0.1875	380.217
5077_5078	5077	5078	121.5855	-37.926	0.0075	0.048	-0.201	1005.938
5078_5078	5078	5078	43.581	4.2405	0.0015	-0.048	-0.2445	333.024
5078_5079	5078	5079	136.3215	-42.4815	-0.0045	-0.1755	-0.2445	1107.989
5079_5079	5079	5079	39.4695	4.137	0.003	0.048	-0.222	297.8475
5079_5080	5079	5080	140.5935	-32.484	-0.0015	0.144	-0.2535	1134.831
5080_5080	5080	5080	35.4615	3.918	0.0015	-0.0375	-0.189	263.1345
5080_5081	5080	5081	150.5985	-38.2185	0	-0.1965	-0.249	1204.352
5081_5081	5081	5081	31.6845	3.8025	0.0015	0.0375	-0.177	229.893
5081_5082	5081	5082	149.901	-28.266	0.0045	0.153	-0.1965	1197.686
5082_5082	5082	5082	28.044	3.6315	0.0015	0.0015	-0.1635	197.4315
5082_5083	5082	5083	155.352	-33.7455	-0.0015	-0.003	-0.204	1237.118
5083_5083	5083	5083	24.3705	3.3915	0.0015	0.003	-0.1425	160.596
5083_5084	5083	5084	149.2665	-5.67	-0.0015	0.006	-0.219	1193.045
5084_5084	5084	5084	27.18	-3.849	-0.0015	-0.036	-0.1335	209.7375
5084_5085	5084	5085	149.7105	-12.4245	0	-0.1815	-0.216	1196.237
5085_5085	5085	5085	30.978	-3.945	0	0.0405	-0.147	241.7025
5085_5086	5085	5086	139.4505	-1.968	0.0045	0.1845	-0.1695	1123.181
5086_5086	5086	5086	34.851	-4.1445	0.0015	-0.048	-0.153	273.072

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5086_5087	5086	5087	135.117	-8.2695	0.0045	-0.174	-0.1185	1094.154
5087_5087	5087	5087	38.91	-4.197	0.003	0.051	-0.1275	304.9935
5087_5088	5087	5088	121.506	-15.7905	0.0075	0.1455	-0.0285	1000.664
5088_5088	5088	5088	43.0275	-4.488	-0.0015	-0.03	-0.09	337.515
5088_5089	5088	5089	112.755	-18.4935	-0.0045	-0.0765	-0.099	932.7405
5089_5089	5089	5089	47.592	-4.4715	-0.0015	0.063	-0.0975	397.497
5089_5090	5089	5090	97.2975	-11.745	-0.0015	0.1245	-0.1005	892.146
5090_5090	5090	5090	49.641	-4.9725	-0.0015	-0.09	-0.108	425.901
5090_5091	5090	5091	79.1355	-14.1735	-0.0015	-0.156	-0.108	814.05
5091_5091	5091	5091	48.741	-5.13	0	0.09	-0.15	481.9215
5091_5092	5091	5092	47.076	-4.1055	0.003	0.108	-0.099	647.592
5092_5092	5092	5092	52.2135	-20.289	-0.003	-0.048	0.2115	376.68
5092_5093	5092	5093	23.529	-0.987	-0.0015	-0.024	-0.129	453.168
5093_5093	5093	5093	62.5995	-28.6725	-0.0045	0.0285	0.2085	587.6475
5093_5094	5093	5094	18.9465	-3.1365	-0.0015	0.003	-0.0135	158.439
5094_5094	5094	5094	49.224	33.6615	-0.0015	-0.018	0.015	484.6785
5094_5095	5094	5095	91.9785	-45.0135	0.012	-0.0465	-0.1935	464.3415
5095_5095	5095	5095	24.2745	25.911	0	-0.003	-0.042	317.403
5095_5096	5095	5096	96.6735	-38.859	0.0105	-0.0315	-0.1245	572.361
5096_5096	5096	5096	9.939	0.756	0	0.021	-0.1605	89.8815
5096_5097	5096	5097	100.599	-31.926	0.003	0.09	-0.0915	640.584
5097_5097	5097	5097	9.468	0.7005	0.0075	-0.0015	-0.1665	85.9065
5097_5098	5097	5098	106.0095	-32.817	0.0045	-0.042	-0.048	719.139
5098_5098	5098	5098	9.0195	0.7005	0.0075	-0.0015	-0.111	82.104
5098_5099	5098	5099	107.826	-25.3185	0.003	-0.0555	-0.015	763.545
5099_5099	5099	5099	8.5695	0.7005	0.0075	0.018	-0.0555	78.3015
5099_5100	5099	5100	106.41	-17.2395	0	0.114	-0.012	772.929
5100_5100	5100	5100	8.121	0.6675	0.0015	0.027	0.0015	74.5035
5100_5101	5100	5101	108.795	-24.3525	-0.0015	0.2175	-0.0225	805.17
5101_5101	5101	5101	7.7985	0.6675	0.0015	0.051	0.009	71.7825
5101_5102	5101	5102	109.401	-18.381	-0.006	0.5475	-0.0585	818.385
5102_5102	5102	5102	7.4775	0.6675	0	-0.0405	0.0165	69.063
5102_5103	5102	5103	108.501	-27.1155	0.006	-0.477	-0.048	805.4595
5103_5103	5103	5103	7.155	0.6675	0.0015	-0.0195	0.021	66.342
5103_5104	5103	5104	106.008	-21.594	0.0015	-0.195	-0.048	773.265
5104_5104	5104	5104	7.0305	-0.8055	-0.0045	-0.021	-0.174	85.113
5104_5105	5104	5105	107.274	-26.151	0	-0.1275	-0.06	763.833
5105_5105	5105	5105	7.548	-0.8055	-0.0045	0	-0.2115	89.493
5105_5106	5105	5106	105.306	-18.657	-0.0045	0.042	-0.1035	719.3985
5106_5106	5106	5106	8.0655	-0.8055	-0.0045	0	-0.246	93.867
5106_5107	5106	5107	99.7425	-11.8995	-0.006	0.0345	-0.1605	640.665
5107_5107	5107	5107	8.583	-0.876	-0.0015	-0.0135	-0.279	98.247
5107_5108	5107	5108	95.6715	-12.6225	-0.006	-0.027	-0.2295	572.3685
5108_5108	5108	5108	9.3195	-22.338	0	-0.027	-0.084	206.5545
5108_5109	5108	5109	88.155	-6.3195	-0.0075	-0.0405	-0.309	477.2385
5109_5109	5109	5109	25.209	-25.7805	0.003	0.0345	-0.048	311.2815
5109_5110	5109	5110	80.0265	-9.507	-0.0135	0.024	-0.4485	318.6255
5110_5110	5110	5110	71.664	37.158	0.003	-0.06	0.363	875.46
5110_5111	5110	5111	18.5745	-50.988	0.0015	-0.084	-0.1935	460.404
5111_5111	5111	5111	62.2485	27.7125	0	0.0885	0.393	586.953
5111_5112	5111	5112	43.3095	-40.911	0.006	0.036	-0.1695	650.628
5112_5112	5112	5112	52.4055	21.693	0.003	-0.003	0.3795	378.8715
5112_5113	5112	5113	73.275	-36.711	-0.0045	-0.099	-0.252	820.6155
5113_5113	5113	5113	49.7475	5.5065	-0.0015	0.0585	-0.2235	481.1055
5113_5114	5113	5114	93.1665	-26.304	-0.0015	0.081	-0.258	877.6305
5114_5114	5114	5114	49.305	4.962	0.006	-0.0165	-0.231	426.6255
5114_5115	5114	5115	105.4755	-32.358	0.0105	-0.0345	-0.174	953.772
5115_5115	5115	5115	52.0605	5.019	0.0045	0.0045	-0.156	358.6305

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5115_5116	5115	5116	125.301	-19.188	0.0105	0.0075	-0.0015	908.4345
5116_5116	5116	5116	45.4215	4.6215	-0.0015	-0.0165	-0.0945	313.281
5116_5117	5116	5117	136.95	-25.188	-0.009	-0.0555	-0.0885	983.2515
5117_5117	5117	5117	40.6035	4.563	-0.0015	0.0165	-0.114	279.7185
5117_5118	5117	5118	139.494	-31.0425	-0.0075	0.042	-0.1695	992.526
5118_5118	5118	5118	35.85	4.383	0.0015	-0.0105	-0.126	245.7345
5118_5119	5118	5119	149.265	-37.1475	0.006	-0.0585	-0.102	1053.68
5119_5119	5119	5119	31.2825	4.3335	0.0015	0.0135	-0.105	214.2855
5119_5120	5119	5120	147.186	-26.8365	0.006	0.048	-0.0225	1040.196
5120_5120	5120	5120	26.82	4.137	0	-0.021	-0.084	179.6415
5120_5121	5120	5121	153.0855	-16.7775	-0.0045	-0.1695	-0.078	1078.13
5121_5121	5121	5121	22.2435	3.9225	0.0015	0.024	-0.0735	143.058
5121_5122	5121	5122	145.4745	-5.166	0	0.1575	-0.0765	1029.255
5122_5122	5122	5122	17.961	3.633	0.0015	-0.0015	-0.0615	107.8335
5122_5123	5122	5123	145.1895	-12.3525	0.0015	-0.0555	-0.0525	1028.741
5123_5123	5123	5123	20.4195	-2.6025	0	0.009	-0.0345	144.639
5123_5124	5123	5124	133.0335	-1.533	0.003	0.0555	-0.018	953.5575
5124_5124	5124	5124	23.2065	-2.8665	0	-0.021	-0.0405	170.2515
5124_5125	5124	5125	127.6725	-8.1405	0	-0.102	-0.0225	922.995
5125_5125	5125	5125	26.244	-2.961	0.0015	0.0225	-0.033	194.0415
5125_5126	5125	5126	111.666	-14.46	0.0045	0.084	0.021	830.58
5126_5126	5126	5126	29.3895	-3.3195	0	-0.015	-0.015	218.9115
5126_5127	5126	5127	102.3255	-17.5485	0	-0.045	0.0375	768.2385
5127_5127	5127	5127	34.9125	-3.423	0	0.018	-0.015	255.921
5127_5128	5127	5128	91.512	-10.629	0.0015	0.045	0.048	703.014
5128_5128	5128	5128	40.0935	-12.144	0.0015	-0.0255	0.0345	156.981
5128_5129	5128	5129	73.5915	-13.506	0	-0.06	0.051	639.7455
5129_5129	5129	5129	50.979	-16.458	-0.0045	0.042	0.075	284.718
5129_5130	5129	5130	36.726	-3.477	0.0075	0.081	0.153	524.052
5130_5130	5130	5130	64.206	-22.1625	0	-0.0435	0.0105	468.51
5130_5131	5130	5131	21.5205	-3.9285	0	-0.0135	-0.0495	170.592
5131_5131	5131	5131	74.547	-30	0.0015	0.0465	0.0345	687.363
5131_5132	5131	5132	21.1905	-3.6465	-0.0015	0.0105	-0.06	209.2665
5132_5132	5132	5132	54.411	32.3355	0	0.045	0.066	481.1655
5132_5133	5132	5133	90.084	-37.0125	-0.012	0.162	-0.132	371.3235
5133_5133	5133	5133	32.3595	24.387	0.003	0.102	0.0465	291.909
5133_5134	5133	5134	99.615	-38.7465	-0.015	0.252	-0.1965	477.207
5134_5134	5134	5134	16.2195	20.907	-0.012	-0.1755	0.0795	188.5125
5134_5135	5134	5135	104.2455	-31.614	0.027	-0.378	0.0465	538.6695
5135_5135	5135	5135	8.2905	-0.4035	-0.0015	-0.0015	0.0465	42.108
5135_5136	5135	5136	111.2055	-33.4275	-0.006	-0.0375	0.0105	614.5755
5136_5136	5136	5136	8.622	-0.4575	-0.0015	0.0045	0.036	47.3475
5136_5137	5136	5137	113.6835	-25.746	-0.0075	0.0555	-0.054	657.1275
5137_5137	5137	5137	8.9595	-0.4575	-0.0015	-0.003	0.0225	49.6515
5137_5138	5137	5138	112.086	-17.4675	-0.0045	-0.0375	-0.09	666.057
5138_5138	5138	5138	9.297	-0.5055	0	-0.0045	0.0105	53.1075
5138_5139	5138	5139	115.032	-24.8865	0.0045	-0.069	-0.0615	697.8885
5139_5139	5139	5139	9.585	-0.5295	0	0.006	0.012	56.472
5139_5140	5139	5140	115.794	-18.738	0.0015	0.072	-0.0495	711.69
5140_5140	5140	5140	9.891	-0.573	0	-0.006	0.012	61.239
5140_5141	5140	5141	113.5005	-26.1555	0.003	-0.069	-0.0255	703.479
5141_5141	5141	5141	10.2075	-0.573	0	0.0075	0.012	63.405
5141_5142	5141	5142	110.043	-20.4705	0	0.057	-0.021	673.485
5142_5142	5142	5142	10.5315	-0.669	0	0	0.0135	68.5965
5142_5143	5142	5143	110.9295	-25.347	0	-0.003	-0.03	666.717
5143_5143	5143	5143	11.0295	-0.6735	0	0	0.009	72.255
5143_5144	5143	5144	107.7435	-17.655	0	-0.003	-0.0345	626.1615
5144_5144	5144	5144	11.559	-0.7515	0	0	0.006	80.736

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5144_5145	5144	5145	100.098	-10.7265	0	-0.003	-0.0375	552.2085
5145_5145	5145	5145	12.1485	-0.8505	0	0.006	0.0015	88.515
5145_5146	5145	5146	94.176	-11.421	0.0015	0.015	-0.021	488.037
5146_5146	5146	5146	14.3505	-21.255	-0.003	0.0165	-0.0015	197.514
5146_5147	5146	5147	84.3705	-5.007	0.0015	0.0195	-0.0075	398.9115
5147_5147	5147	5147	29.454	-27.405	-0.0045	-0.042	-0.0195	306.732
5147_5148	5147	5148	70.557	-7.998	0.0045	-0.0285	0.0225	261.8235
5148_5148	5148	5148	92.2305	34.6305	0	-0.039	0.042	899.145
5148_5149	5148	5149	29.667	2.3175	0	-0.0105	-0.0015	154.8705
5149_5149	5149	5149	83.751	27.909	-0.003	0.042	0.0405	616.4295
5149_5150	5149	5150	33.5535	-40.2525	0	0.018	-0.006	577.0875
5150_5150	5150	5150	74.1975	21.654	0.0015	-0.0045	0.006	411.6165
5150_5151	5150	5151	61.0095	-35.913	0	-0.018	0.0015	725.502
5151_5151	5151	5151	63.012	15.2115	0	0.003	0.015	237.18
5151_5152	5151	5152	87.528	-25.737	0	0.0045	0.0015	722.385
5152_5152	5152	5152	50.2695	12.5955	0	0	0.0165	136.1805
5152_5153	5152	5153	99.525	-31.6305	0	-0.0015	-0.003	784.53
5153_5153	5153	5153	41.658	10.725	0	0	0.0135	80.982
5153_5154	5153	5154	111.9855	-18.972	0	-0.0015	-0.0075	785.544
5154_5154	5154	5154	31.686	4.857	0	0	-0.051	235.6155
5154_5155	5154	5155	122.205	-24.303	0	-0.0015	-0.0105	847.218
5155_5155	5155	5155	26.238	4.6965	0	0	-0.0465	198.843
5155_5156	5155	5156	122.6805	-13.5615	0	-0.0015	-0.0135	850.9935
5156_5156	5156	5156	20.9985	4.44	0	0	-0.042	162.1005
5156_5157	5156	5157	128.685	-19.7265	-0.0015	-0.0015	-0.0255	885.2385
5157_5157	5157	5157	16.554	4.074	0	0	-0.042	126.3735
5157_5158	5157	5158	125.1405	-9.9105	-0.0015	-0.003	-0.0405	864.8865
5158_5158	5158	5158	12.567	3.5895	0	0.003	-0.0405	92.079
5158_5159	5158	5159	127.9905	-30.807	0.0015	0.0285	-0.0195	882.282
5159_5159	5159	5159	14.8905	-3.114	0	-0.0045	-0.048	101.121
5159_5160	5159	5160	121.683	-21.567	-0.0015	-0.024	-0.0285	846.8235
5160_5160	5160	5160	18.2625	-3.4395	0	0	-0.0525	129.507
5160_5161	5160	5161	120.8445	-26.2365	0.0015	-0.0015	-0.018	841.5795
5161_5161	5161	5161	22.4085	-3.786	0	0	-0.051	164.1285
5161_5162	5161	5162	110.2965	-16.53	0.0015	-0.0015	0	778.632
5162_5162	5162	5162	28.3665	-8.277	0	-0.0015	0.021	19.128
5162_5163	5162	5163	104.6925	-18.8655	-0.0045	-0.015	-0.069	738.5085
5163_5163	5163	5163	42.3465	-10.7655	-0.0015	0.003	0.0225	89.3385
5163_5164	5163	5164	87.7665	-12.123	-0.0045	0.024	-0.1065	699.447
5164_5164	5164	5164	51.9315	-12.288	0	0.0105	0.0075	146.3355
5164_5165	5164	5165	71.4195	-14.3385	0.0045	0.0315	-0.0615	645.858
5165_5165	5165	5165	65.3835	-15.4695	0.003	-0.0195	0.015	254.7375
5165_5166	5165	5166	37.245	-4.6605	0.0015	-0.0315	-0.033	531.2655
5166_5166	5166	5166	79.164	-19.386	0.0015	-0.0315	0.057	424.3515
5166_5167	5166	5167	32.1855	-3.5085	0	-0.0105	0.0255	179.6685
5167_5167	5167	5167	89.9175	-27.375	-0.0015	0.0315	0.078	631.9695
5167_5168	5167	5168	31.5855	-2.847	-0.0015	0.0075	0.0165	210.3615
5168_5168	5168	5168	62.682	37.236	0	-0.024	-0.0165	487.6245
5168_5169	5168	5169	88.221	-46.011	0.0015	-0.021	-0.027	390.0165
5169_5169	5169	5169	35.463	28.5195	0.0015	0.021	-0.0165	294.6585
5169_5170	5169	5170	99.801	-39.732	-0.0015	0.033	-0.027	472.1805
5170_5170	5170	5170	16.71	22.251	0	-0.0045	-0.0105	193.293
5170_5171	5170	5171	106.6725	-32.9265	0	-0.0255	-0.021	536.628
5171_5171	5171	5171	12.7605	1.0065	0	0.0075	0.021	100.6785
5171_5172	5171	5172	115.173	-33.447	-0.0015	0.054	-0.0225	609.579
5172_5172	5172	5172	12.021	0.8835	0	-0.0045	0.018	87.9285
5172_5173	5172	5173	119.196	-26.0055	0	-0.024	-0.015	652.245
5173_5173	5173	5173	11.3295	0.8835	0	-0.0045	0.015	83.6295

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5173_5174	5173	5174	119.0985	-17.9595	0	-0.0225	-0.0105	664.107
5174_5174	5174	5174	10.6935	0.7035	0	0.006	0.012	71.9055
5174_5175	5174	5175	122.8395	-24.531	0	0.06	-0.009	693.8805
5175_5175	5175	5175	10.2795	0.7035	0	-0.0075	0.009	69.336
5175_5176	5175	5176	125.2995	-32.5335	0	-0.0615	0.0015	706.257
5176_5176	5176	5176	9.867	0.7005	0	0.0045	0.0045	66.5325
5176_5177	5176	5177	124.5135	-26.5215	-0.0015	0.06	-0.0045	694.368
5177_5177	5177	5177	9.477	0.657	0	-0.006	0.0015	61.4205
5177_5178	5177	5178	121.4055	-20.9535	0	-0.0525	0	665.301
5178_5178	5178	5178	9.09	0.6105	0	-0.003	-0.003	59.022
5178_5179	5178	5179	122.295	-25.0005	0	-0.0255	0.0045	654.162
5179_5179	5179	5179	8.637	0.552	0	-0.003	-0.003	52.434
5179_5180	5179	5180	119.055	-17.574	0	-0.0285	0.0075	612.3765
5180_5180	5180	5180	8.211	0.534	0	0.003	-0.0015	48.78
5180_5181	5180	5181	111.312	-10.881	-0.0015	0.042	-0.0045	540.261
5181_5181	5181	5181	7.794	0.4875	-0.0015	-0.003	-0.0015	46.1805
5181_5182	5181	5182	105.0675	-11.214	0	-0.033	-0.0045	476.154
5182_5182	5182	5182	18.3555	-22.3125	0	0.0225	-0.003	190.1325
5182_5183	5182	5183	95.001	-5.1015	-0.0015	0.033	-0.0195	390.018
5183_5183	5183	5183	35.2275	-26.055	0	-0.0225	0.0045	302.5485
5183_5184	5183	5184	81.9735	-8.4165	0.0015	-0.0135	-0.0075	255.5865
5184_5184	5184	5184	94.2825	42.1245	0	0.0345	-0.027	936.5925
5184_5185	5184	5185	21.312	3.3495	0	0.0105	-0.036	132.96
5185_5185	5185	5185	83.1975	31.347	0.0015	-0.03	-0.0315	630.4995
5185_5186	5185	5186	39.915	-42.1635	-0.0015	-0.0135	-0.003	525.7065
5186_5186	5186	5186	70.3425	24.135	0.003	0.0105	-0.0255	404.373
5186_5187	5186	5187	72.1905	-37.5675	-0.0015	0.0165	-0.0285	682.9275
5187_5187	5187	5187	54.879	17.4735	0.003	-0.0015	0.009	220.8795
5187_5188	5187	5188	98.8545	-27.7785	-0.003	-0.0135	-0.0495	722.1195
5188_5188	5188	5188	40.233	4.389	0	-0.003	-0.0405	283.6035
5188_5189	5188	5189	113.589	-32.499	0	-0.006	-0.057	794.0775
5189_5189	5189	5189	38.3385	4.341	0	-0.0015	-0.039	260.8455
5189_5190	5189	5190	125.2455	-20.3505	-0.0015	-0.003	-0.0675	865.611
5190_5190	5190	5190	32.3175	3.9435	0	-0.0015	-0.042	220.116
5190_5191	5190	5191	137.3265	-24.6135	-0.0015	-0.0045	-0.093	939.234
5191_5191	5191	5191	27.93	3.825	0	-0.0015	-0.0435	189.498
5191_5192	5191	5192	140.0475	-14.2665	-0.0015	-0.0045	-0.117	955.0365
5192_5192	5192	5192	23.7135	3.5235	-0.0015	-0.0015	-0.042	156.564
5192_5193	5192	5193	147.39	-35.5635	0	-0.006	-0.1335	995.715
5193_5193	5193	5193	20.16	3.4245	-0.0015	-0.0015	-0.054	132.1905
5193_5194	5193	5194	145.044	-26.481	0	-0.0045	-0.144	981.744
5194_5194	5194	5194	21.807	-3.4935	-0.0015	-0.003	-0.1425	118.737
5194_5195	5194	5195	148.05	-31.3125	-0.003	-0.0045	-0.171	999.7785
5195_5195	5195	5195	25.5315	-3.819	-0.0015	-0.003	-0.1605	150.1395
5195_5196	5195	5196	142.0605	-22.4655	-0.003	-0.0045	-0.201	964.0575
5196_5196	5196	5196	29.5305	-4.137	-0.0015	-0.0015	-0.1785	179.07
5196_5197	5196	5197	140.562	-26.406	-0.0015	-0.003	-0.2175	954.255
5197_5197	5197	5197	34.383	-4.4175	-0.0015	-0.0015	-0.201	216.969
5197_5198	5197	5198	129.972	-17.163	-0.0015	-0.003	-0.228	888.3315
5198_5198	5198	5198	39.4635	-5.0415	-0.0015	0	-0.2205	252.3645
5198_5199	5198	5199	122.9235	-18.801	-0.0015	-0.0015	-0.2505	838.9875
5199_5199	5199	5199	45.654	-5.256	-0.0015	0.0015	-0.2505	297.726
5199_5200	5199	5200	106.8075	-12.237	-0.0015	0.0015	-0.273	756.36
5200_5200	5200	5200	48.9525	-6.0165	-0.0015	0.006	-0.261	328.032
5200_5201	5200	5201	87.306	-13.272	0	0.0075	-0.261	692.472
5201_5201	5201	5201	55.572	-17.2395	0.0015	-0.021	0.3585	240.7695
5201_5202	5201	5202	47.868	-4.164	0	0.003	-0.363	588.453
5202_5202	5202	5202	71.046	-22.017	0.0015	0.0195	0.4185	428.9475

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5202_5203	5202	5203	23.0985	-0.7125	-0.0015	0.0345	-0.345	409.557
5203_5203	5203	5203	83.385	-31.197	0.003	-0.069	0.459	659.1525
5203_5204	5203	5204	20.8185	-2.8575	0.0015	-0.0195	0.1815	153.654
5204_5204	5204	5204	62.328	37.2285	-0.003	0.0165	0.0555	520.4175
5204_5205	5204	5205	100.0995	-45	0.009	0.0255	-0.507	443.6145
5205_5205	5205	5205	35.6955	28.8855	-0.0015	-0.024	-0.0525	330.528
5205_5206	5205	5206	110.2965	-39.222	0.0105	-0.036	-0.3165	536.3295
5206_5206	5206	5206	16.602	24.222	0.0015	0.006	-0.1125	216.7305
5206_5207	5206	5207	116.3295	-32.961	0.0075	0.033	-0.228	601.6695
5207_5207	5207	5207	7.8405	-0.1575	-0.0075	-0.0075	0.228	80.586
5207_5208	5207	5208	123.612	-32.9475	0.0045	0.0015	-0.1605	673.77
5208_5208	5208	5208	7.986	-0.2055	-0.0075	-0.0075	0.1635	76.56
5208_5209	5208	5209	127.0815	-26.0115	0.0045	0.0015	-0.1035	718.125
5209_5209	5209	5209	8.1435	-0.2085	-0.0075	-0.0075	0.1095	77.2635
5209_5210	5209	5210	127.128	-18.5025	0.003	0	-0.0585	734.6355
5210_5210	5210	5210	8.3265	-0.3015	-0.0045	0	0.0525	74.6175
5210_5211	5210	5211	130.1325	-23.592	0.0015	0.069	-0.0345	763.623
5211_5211	5211	5211	8.496	-0.3015	-0.0045	-0.0135	0.0285	75.744
5211_5212	5211	5212	131.52	-33.4875	0	-0.069	0.0225	779.346
5212_5212	5212	5212	8.6745	-0.327	-0.0045	0	0	73.3035
5212_5213	5212	5213	130.86	-27.8085	-0.003	0.066	0.0165	769.161
5213_5213	5213	5213	8.859	-0.327	-0.0045	-0.0135	-0.0225	74.526
5213_5214	5213	5214	128.184	-22.5195	-0.0015	-0.0615	0.012	742.674
5214_5214	5214	5214	9.051	-0.378	-0.003	-0.0105	-0.048	73.842
5214_5215	5214	5215	128.5185	-25.338	-0.0015	-0.045	0.0045	729.246
5215_5215	5215	5215	9.342	-0.3885	-0.003	-0.0015	-0.0705	74.226
5215_5216	5215	5216	125.4045	-18.405	-0.0045	0.0495	-0.024	687.96
5216_5216	5216	5216	9.6345	-0.3885	-0.003	-0.0105	-0.0915	76.1595
5216_5217	5216	5217	118.4235	-12.135	-0.0015	-0.0375	-0.0435	618.69
5217_5217	5217	5217	9.927	-0.438	-0.003	-0.036	-0.114	78.09
5217_5218	5217	5218	112.5345	-12.009	-0.0015	-0.1455	-0.057	555.3075
5218_5218	5218	5218	16.7985	-21.8475	-0.0165	-0.0765	-0.147	228.336
5218_5219	5218	5219	103.3875	-6.348	-0.0075	-0.0975	-0.1245	471.936
5219_5219	5219	5219	34.518	-28.875	-0.006	0.1725	-0.231	329.994
5219_5220	5219	5220	90.804	-10.2015	-0.0285	0.1425	-0.399	330.189
5220_5220	5220	5220	91.1775	40.4145	0.0135	-0.1005	-0.051	883.3635
5220_5221	5220	5221	23.2545	3.7965	0.012	-0.0315	-0.222	127.6665
5221_5221	5221	5221	78.849	31.9335	0.009	0.138	0.0855	570.9465
5221_5222	5221	5222	50.6535	-42.492	0.0105	0.036	0.0285	627.6435
5222_5222	5222	5222	65.232	23.6265	0.009	0	0.1695	346.7535
5222_5223	5222	5223	84.5235	-37.839	-0.0075	-0.234	-0.072	788.5725
5223_5223	5223	5223	60.5295	6.87	0	0.0765	-0.102	429.066
5223_5224	5223	5224	117.8595	-28.6545	0	0.108	-0.0855	809.7135
5224_5224	5224	5224	58.05	6.201	-0.0045	-0.084	-0.1005	369.3555
5224_5225	5224	5225	133.275	-32.2545	-0.0075	-0.2115	-0.138	882.1305
5225_5225	5225	5225	51.5085	6.195	-0.0045	0.0495	-0.141	352.248
5225_5226	5225	5226	135.8655	-19.383	-0.0045	0.1095	-0.228	1006.968
5226_5226	5226	5226	42.3465	5.6745	0	-0.069	-0.204	288.4695
5226_5227	5226	5227	146.1495	-22.35	-0.006	-0.291	-0.3015	1077.608
5227_5227	5227	5227	35.9445	5.532	0	0.0555	-0.201	242.8905
5227_5228	5227	5228	147.045	-11.9295	0	0.231	-0.3255	1085.561
5228_5228	5228	5228	29.8395	5.103	-0.0045	-0.0435	-0.189	195.4815
5228_5229	5228	5229	151.6065	-33.219	-0.012	-0.315	-0.5265	1116.642
5229_5229	5229	5229	27.7875	-4.1835	-0.006	0.0255	-0.3615	163.641
5229_5230	5229	5230	144.741	-23.3835	-0.006	0.195	-0.6195	1071.839
5230_5230	5230	5230	32.8395	-4.9095	-0.009	-0.069	-0.4605	210.969
5230_5231	5230	5231	141.84	-25.4985	-0.0105	-0.237	-0.771	1050.221
5231_5231	5231	5231	38.9835	-5.5305	-0.0075	0.033	-0.582	269.352

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5231_5232	5231	5232	128.8395	-16.0005	-0.006	0.1335	-0.849	960.819
5232_5232	5232	5232	45.666	-6.5055	0.0045	-0.099	-0.669	324.5565
5232_5233	5232	5233	122.5305	-19.0545	0.009	-0.1845	-0.7455	913.335
5233_5233	5233	5233	51.369	-6.603	0.0075	-0.0165	-0.981	368.697
5233_5234	5233	5234	111.6795	-13.7535	0.018	-0.018	-1.0275	857.6175
5234_5234	5234	5234	54.969	-6.648	0.009	0.0765	-0.9075	405.051
5234_5235	5234	5235	94.125	-8.298	0.0225	0.141	-0.8325	774.585
5235_5235	5235	5235	57.0735	-7.0905	-0.0675	-0.123	-0.8415	441.5295
5235_5236	5235	5236	82.7055	-9.7995	-0.135	-0.153	-1.542	726.7275
5236_5236	5236	5236	55.332	-21.6975	0.0705	-0.0285	2.043	258.018
5236_5237	5236	5237	49.9485	-4.881	-0.195	0.051	-4.05	696.8175
5237_5237	5237	5237	67.245	-26.4105	0.084	0.054	3.021	400.713
5237_5238	5237	5238	35.9085	-1.1805	-0.1815	0.3555	-5.139	594.984
5238_5238	5238	5238	76.2105	-23.5185	-0.138	-0.12	4.0605	539.9325
5238_5239	5238	5239	24.558	-9.7275	0.2265	-0.2625	-2.628	511.461
5239_5239	5239	5239	84.399	-25.9455	-0.168	0.0405	2.988	725.742
5239_5240	5239	5240	21.048	-4.3215	0.0135	-0.0465	0.945	199.863
5240_5240	5240	5240	34.8285	26.661	0.0225	-0.15	-0.453	495.306
5240_5241	5240	5241	118.9395	-33.2115	-0.1545	-0.135	-0.507	640.3365
5241_5241	5241	5241	12.2745	19.9725	0	0.099	-0.315	329.3295
5241_5242	5241	5242	120.9465	-28.047	-0.1605	0.3135	-1.359	664.998
5242_5242	5242	5242	10.6245	0.321	-0.021	0.063	-1.3995	80.598
5242_5243	5242	5243	119.4315	-22.4055	-0.1605	0.366	-2.331	673.7415
5243_5243	5243	5243	10.44	0.123	0.003	-0.0105	-1.5345	79.209
5243_5244	5243	5244	128.7285	-33.9975	0.099	-0.2505	-1.167	777.738
5244_5244	5244	5244	10.338	0.123	0.003	0.036	-1.5045	78.405
5244_5245	5244	5245	133.7565	-26.2005	0.075	0.1725	-0.276	842.1645
5245_5245	5245	5245	10.233	0.0825	0.0075	-0.0075	-1.4775	77.583
5245_5246	5245	5246	139.0755	-22.362	0.0255	-0.2925	0.084	900.9825
5246_5246	5246	5246	10.1625	0.0825	0.0075	0.039	-1.4025	77.031
5246_5247	5246	5247	140.481	-30.939	-0.0015	0.1695	0.354	910.104
5247_5247	5247	5247	10.092	0.015	0.018	-0.0045	-1.3365	76.4955
5247_5248	5247	5248	142.059	-29.328	0.0255	-0.2985	0.666	906.9255
5248_5248	5248	5248	10.08	0.015	0.018	0.0375	-1.1685	76.3995
5248_5249	5248	5249	138.3675	-20.784	0.009	0.1395	0.8355	852.0645
5249_5249	5249	5249	10.0635	-0.0345	0.0255	0	-0.984	76.2765
5249_5250	5249	5250	134.541	-17.52	0.021	-0.198	1.0905	788.739
5250_5250	5250	5250	10.0935	-0.0525	0.0255	0.0375	-0.7395	79.98
5250_5251	5250	5251	127.2375	-10.926	0	0.12	1.0845	696.8565
5251_5251	5251	5251	10.152	-0.684	-0.0165	-0.0645	-0.4935	85.1235
5251_5252	5251	5252	129.657	-24.5505	-0.168	-0.2505	0.018	693.033
5252_5252	5252	5252	10.5045	-0.6975	-0.0165	-0.0405	-0.591	88.728
5252_5253	5252	5253	129.6195	-19.332	-0.174	-0.0765	-1.0815	670.695
5253_5253	5253	5253	18.6855	-21.2985	0.027	0.1035	-0.381	353.217
5253_5254	5253	5254	126.0975	-12.0315	-0.168	0.1995	-2.5485	600.6465
5254_5254	5254	5254	89.2365	23.865	-0.036	1.3185	-1.071	978.6105
5254_5255	5254	5255	31.7895	3.777	-0.0165	0.1635	-1.5585	212.721
5255_5255	5255	5255	89.007	29.286	-0.054	-0.2175	-1.0155	926.949
5255_5256	5255	5256	31.3695	-40.434	0.2295	-0.153	0.507	595.179
5256_5256	5256	5256	83.193	23.136	-0.039	0.2865	-1.7295	663.828
5256_5257	5256	5257	44.4585	-33.591	0.225	0.231	2.7165	659.238
5257_5257	5257	5257	77.658	29.856	0.084	-0.1455	-1.9425	507.3315
5257_5258	5257	5258	58.938	-46.524	-0.09	-0.378	2.223	754.0275
5258_5258	5258	5258	69.2355	24.681	0.072	0.036	-1.2285	377.742
5258_5259	5258	5259	76.773	-41.7	-0.0825	-0.1515	1.638	849.3375
5259_5259	5259	5259	64.254	7.365	-0.0345	0.0855	0.633	491.4885
5259_5260	5259	5260	110.262	-36.57	-0.0495	0.108	0.66	834.402
5260_5260	5260	5260	63.2055	6.915	-0.0225	-0.1305	0.3735	447.0795

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5260_5261	5260	5261	124.3425	-37.74	-0.0405	-0.2625	0.4485	897.045
5261_5261	5261	5261	61.1985	7.101	-0.0195	-0.009	0.2415	418.704
5261_5262	5261	5262	135.093	-32.883	-0.036	-0.015	0.2025	952.8315
5262_5262	5262	5262	59.55	7.209	-0.015	0.0255	0.0825	364.8345
5262_5263	5262	5263	149.8785	-23.286	-0.027	0.057	-0.219	955.989
5263_5263	5263	5263	50.7315	6.5865	-0.0045	-0.054	-0.0885	312.1185
5263_5264	5263	5264	160.977	-24.2745	-0.0105	-0.168	-0.36	1026.111
5264_5264	5264	5264	43.1775	6.447	-0.003	0.0165	-0.1305	265.8795
5264_5265	5264	5265	163.779	-14.736	-0.009	0.087	-0.507	1047.908
5265_5265	5265	5265	35.673	6.0075	-0.006	-0.0465	-0.1635	220.1955
5265_5266	5265	5266	168.945	-16.683	-0.0165	-0.228	-0.7515	1082.286
5266_5266	5266	5266	28.8795	5.4615	-0.0045	0.018	-0.2055	170.319
5266_5267	5266	5267	163.5315	-7.2855	-0.012	0.1485	-0.948	1056.272
5267_5267	5267	5267	23.541	-6.5205	-0.0105	-0.0795	-0.6765	198.768
5267_5268	5267	5268	161.223	-28.473	-0.015	-0.264	-1.2195	1051.839
5268_5268	5268	5268	31.3185	-6.7665	-0.006	0.0285	-0.81	248.661
5268_5269	5268	5269	150.6735	-19.8195	-0.006	0.153	-1.278	991.311
5269_5269	5269	5269	39.228	-7.4895	-0.0135	-0.1095	-0.8835	296.0055
5269_5270	5269	5270	145.9125	-22.8405	-0.015	-0.228	-1.3845	961.6335
5270_5270	5270	5270	45.936	-7.491	-0.0105	-0.021	-0.9975	333.891
5270_5271	5270	5271	136.038	-16.4265	-0.009	0.0075	-1.416	901.2435
5271_5271	5271	5271	48.477	-7.608	-0.0105	0.0885	-1.458	407.6925
5271_5272	5271	5272	115.386	-12.168	-0.006	0.237	-1.872	920.586
5272_5272	5272	5272	52.311	-8.2905	-0.045	-0.168	-1.53	439.5555
5272_5273	5272	5273	102.174	-13.0785	-0.0945	-0.207	-2.445	864.5865
5273_5273	5273	5273	55.152	-8.313	-0.042	-0.03	-1.848	479.751
5273_5274	5273	5274	86.526	-8.901	-0.0885	0.006	-2.9175	799.8525
5274_5274	5274	5274	58.3605	-22.998	0.0675	-0.048	4.2765	276.231
5274_5275	5274	5275	47.3355	-3.201	-0.1185	0.396	-5.5755	726.9435
5275_5275	5275	5275	75.27	-22.7235	-0.1305	-0.303	5.7795	474.507
5275_5276	5275	5276	34.8885	-12.7065	0.411	-0.168	-1.0215	662.388
5276_5276	5276	5276	84.183	-26.2275	-0.1815	0.057	4.5825	644.1345
5276_5277	5276	5277	22.4505	-5.118	-0.018	0.006	1.206	202.0515
5277_5277	5277	5277	90.2235	-25.194	-0.204	0.2355	2.448	832.197
5277_5278	5277	5278	22.593	-4.857	-0.036	-0.024	0.9315	232.8525
5278_5278	5278	5278	27.342	23.448	0.1005	0.066	-1.5435	456.4155
5278_5279	5278	5279	129.0315	-27.087	-0.1365	-0.291	-0.528	709.7505
5279_5279	5279	5279	11.946	20.3325	0.0855	0.183	-0.6465	328.8975
5279_5280	5279	5280	126.8325	-21.6045	-0.1485	0.0525	-1.404	694.989
5280_5280	5280	5280	6.6015	0.8865	0.024	0.012	-1.05	-17.6505
5280_5281	5280	5281	131.499	-27.765	0.078	-0.1995	-0.465	760.8915
5281_5281	5281	5281	5.718	0.8625	0.021	0.0015	-0.735	-22.3305
5281_5282	5281	5282	127.2135	-17.031	0.063	0.096	0.3645	756.1395
5282_5282	5282	5282	6.669	0.8175	0.084	0.0315	-1.5225	-41.544
5282_5283	5282	5283	111.663	-18.009	0.006	-0.357	1.245	862.4715
5283_5283	5283	5283	5.979	0.81	0.0735	-0.0105	-0.4635	-47.841
5283_5284	5283	5284	108.954	-24.384	-0.102	0.246	-0.6375	801.0075
5284_5284	5284	5284	5.322	0.9285	-0.06	0.036	0.39	-54.7125
5284_5285	5284	5285	114.894	-28.923	-0.0405	-0.282	-1.5705	820.4475
5285_5285	5285	5285	4.608	0.897	-0.066	-0.0045	-0.279	-58.944
5285_5286	5285	5286	115.2495	-19.836	-0.0555	0.1785	-2.2785	772.935
5286_5286	5286	5286	3.9825	0.9165	0.03	0.0495	-0.9495	-65.4885
5286_5287	5286	5287	121.887	-23.505	0.1875	-0.453	0.048	774.6015
5287_5287	5287	5287	3.2775	0.885	0.018	-0.018	-0.612	-69.573
5287_5288	5287	5288	122.1645	-22.668	0.045	0.1275	0.2415	669.132
5288_5288	5288	5288	2.76	-0.444	0.03	-0.012	-0.408	75.0135
5288_5289	5288	5289	125.58	-36.5685	-0.4275	-0.6525	-1.794	682.707
5289_5289	5289	5289	5.691	-20.772	0.144	0.162	-1.545	410.8815

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5289_5290	5289	5290	131.4765	-29.7255	-0.3975	-0.3915	-6.132	702.246
5290_5290	5290	5290	43.5105	30.231	0.153	-0.1185	1.29	824.2035
5290_5291	5290	5291	27.336	-36.729	-1.173	0.807	-13.2735	670.9515
5291_5291	5291	5291	45.8205	10.9365	0.5925	-0.5355	-6.618	926.31
5291_5292	5291	5292	44.754	-39.498	0.921	-0.4395	-1.977	845.7135
5292_5292	5292	5292	48.363	10.896	0.597	0.4425	-0.2565	821.9475
5292_5293	5292	5293	59.6985	-31.8075	0.867	0.534	7.0665	956.3445
5293_5293	5293	5293	48.366	7.5765	-0.1305	-0.5055	5.604	732.783
5293_5294	5293	5294	73.4385	-40.905	-0.1665	-0.7665	5.9505	1090.275
5294_5294	5294	5294	56.16	7.5645	-0.087	-0.048	3.12	635.3355
5294_5295	5294	5295	99.423	-34.788	-0.1065	-0.084	3.2235	1115.573
5295_5295	5295	5295	53.6475	7.6665	-0.0855	0.189	2.4525	593.028
5295_5296	5295	5296	108.8835	-48.669	-0.0795	0.288	2.4975	1219.268
5296_5296	5296	5296	49.662	6.132	-0.039	-0.201	1.755	548.574
5296_5297	5296	5297	115.308	-57.138	-0.078	-0.4725	2.1465	1288.292
5297_5297	5297	5297	41.0535	6.1815	-0.06	-0.165	2.436	570.222
5297_5298	5297	5298	108.6705	-49.9605	-0.111	-0.414	2.1315	1522.329
5298_5298	5298	5298	37.8885	6.1635	-0.0585	0.201	1.887	527.7105
5298_5299	5298	5299	114.741	-42.5535	-0.099	0.5385	1.1505	1604.226
5299_5299	5299	5299	34.785	5.2245	-0.012	-0.3015	1.3695	484.4355
5299_5300	5299	5300	125.391	-46.6065	-0.003	-1.0965	1.125	1747.184
5300_5300	5300	5300	31.41	5.2245	-0.0105	0.1965	1.2285	439.53
5300_5301	5300	5301	129.6015	-36.8205	0.003	0.7215	1.128	1804.379
5301_5301	5301	5301	27.8355	4.4475	-0.0225	-0.2235	1.1115	389.1705
5301_5302	5301	5302	136.6425	-41.4645	-0.03	-1.1055	0.7035	1899.062
5302_5302	5302	5302	24.7545	4.4475	-0.0195	0.1665	0.84	348.177
5302_5303	5302	5303	136.557	-11.4705	-0.024	0.9735	0.453	1897.017
5303_5303	5303	5303	21.927	3.969	-0.0195	-0.1875	0.615	308.1285
5303_5304	5303	5304	140.964	-16.446	-0.0105	-1.224	0.3	1956.648
5304_5304	5304	5304	19.074	3.9165	-0.018	0.1545	0.372	267.909
5304_5305	5304	5305	138.168	-7.5615	0	1.1835	0.309	1919.982
5305_5305	5305	5305	16.686	3.6195	-0.027	-0.1185	0.1815	235.161
5305_5306	5305	5306	138.8655	-13.476	-0.0345	-1.002	-0.06	1929.254
5306_5306	5306	5306	14.3085	3.504	-0.0255	0.0735	-0.1245	198.672
5306_5307	5306	5307	132.0735	-3.72	-0.0255	0.768	-0.312	1837.958
5307_5307	5307	5307	12.0255	3.216	-0.018	-0.0945	-0.39	163.1235
5307_5308	5307	5308	127.9425	-8.9895	-0.015	-1.1175	-0.3975	1780.7
5308_5308	5308	5308	9.9705	3.045	-0.0195	0.06	-0.5625	130.335
5308_5309	5308	5309	115.05	1.6275	-0.0045	0.8535	-0.36	1604.714
5309_5309	5309	5309	8.0355	2.61	0.0015	-0.0435	-0.687	95.418
5309_5310	5309	5310	101.4195	-0.3195	0.021	-0.8235	0.018	1416.12
5310_5310	5310	5310	6.366	2.3625	0.03	0.033	-0.234	68.0475
5310_5311	5310	5311	76.0275	18.4995	0.0315	0.615	0.4785	1073.72
5311_5311	5311	5311	4.86	2.0625	-0.0285	-0.06	0.7095	44.5485
5311_5312	5311	5312	41.706	25.668	-0.027	-0.3675	0.2325	603.18
5312_5312	5312	5312	4.395	-4.482	-0.402	-0.108	4.3605	-8.0145
5312_5313	5312	5313	3.165	-3.126	-0.2295	-0.066	0	12.1815
5400_5020	5400	5020	97.893	-9.936	0.1185	0.006	-4.6605	-73.551
5400_5401	5400	5401	14.046	0.9135	0.078	0.0015	1.272	72.522
5401_5401	5401	5401	97.8705	-7.515	0.429	-0.0435	-4.089	-32.922
5401_5402	5401	5402	14.022	0.984	-0.0615	-0.078	1.011	69.7635
5402_5402	5402	5402	98.0235	-5.2755	0.2445	0.0045	-2.592	-9.7185
5402_5403	5402	5403	13.995	1.32	-0.0885	0.03	0.0765	55.3455
5403_5403	5403	5403	88.6725	-2.052	0.027	-0.0285	0.069	49.6935
5403_5404	5403	5404	14.2575	1.8525	0.003	-0.012	0.1275	44.163
5404_5404	5404	5404	88.695	-0.027	-0.042	0.0165	0.2835	64.4775
5404_5405	5404	5405	14.2125	2.178	-0.009	0.021	0.075	28.443
5405_5405	5405	5405	82.23	2.541	0	-0.006	-0.036	64.6725

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5405_5406	5405	5406	14.676	2.7705	-0.0075	0.0045	-0.0135	-11.0025
5406_5406	5406	5406	77.553	5.6325	0.0285	0.0075	-0.072	23.814
5406_5407	5406	5407	15.3285	3.369	0.0345	0.0285	0.2955	-41.0085
5407_5407	5407	5407	77.418	7.26	-0.0885	-0.033	0.1605	-26.0805
5407_5408	5407	5408	15.255	3.69	0.009	-0.036	0.3195	-61.503
5408_5408	5408	5408	78.711	-6.972	-0.2715	-0.06	-0.063	-109.415
5408_5409	5408	5409	16.6455	0.2715	-0.135	-0.0075	-0.102	-62.235
5409_5409	5409	5409	78.831	7.5405	-0.0675	0.0615	-0.8835	-88.2465
5409_5410	5409	5410	16.7415	0.1485	-0.0735	0.009	-0.324	-62.64
5410_5410	5410	5410	83.337	-9.2955	0.0255	-0.042	-0.8385	-111.09
5410_5411	5410	5411	17.4615	-3.4155	0.0105	-0.027	-0.1395	-43.2555
5411_5411	5411	5411	83.514	-7.5435	0.1155	0.0345	-0.7215	-59.4705
5411_5412	5411	5412	17.529	-3.048	0.03	0.021	0.1095	-16.2615
5412_5412	5412	5412	89.6205	-4.8405	-0.0135	0.0075	0.339	7.3365
5412_5413	5412	5413	18.819	-2.439	-0.009	0.003	0.021	19.017
5413_5413	5413	5413	97.464	-2.256	-0.054	0.045	0.1515	77.112
5413_5414	5413	5414	20.1675	-1.8195	-0.006	0.0165	-0.0045	31.9515
5414_5414	5414	5414	97.4895	-0.03	0.027	-0.0285	-0.2145	93.384
5414_5415	5414	5415	20.2035	-1.3575	0.012	-0.009	0.0885	41.7285
5415_5415	5415	5415	108.0015	2.955	-0.1635	-0.0525	0.0195	93.6
5415_5416	5415	5416	21.5145	-0.801	-0.0795	-0.042	-0.759	50.4765
5416_5416	5416	5416	107.8965	5.5845	-0.5205	0.1965	-1.8165	61.3275
5416_5417	5416	5417	21.5265	-0.276	-0.1515	0.147	-1.3365	51.4425
5417_5417	5417	5417	108.03	7.2075	-0.216	-0.009	-3.633	41.826
5417_5036	5417	5036	21.5835	-0.3495	-0.3675	-0.006	-2.8155	52.863
5420_5056	5420	5056	105.066	-8.7525	0.0225	0.012	-3.126	-38.4405
5420_5421	5420	5421	23.709	-0.156	0.1725	0.0105	-2.0055	35.361
5421_5421	5421	5421	104.9205	-6.597	0.264	-0.051	-2.9355	-2.6205
5421_5422	5421	5422	23.6295	-0.2385	0.1575	-0.045	-1.383	36.1965
5422_5422	5422	5422	105.048	-4.0785	0.204	0.009	-2.01	20.3805
5422_5423	5422	5423	23.628	0.327	0.144	0.009	0.1875	32.619
5423_5423	5423	5423	93.4755	-0.6045	0.027	-0.033	0.192	77.0385
5423_5424	5423	5424	21.5985	0.861	-0.003	-0.012	0.153	26.7105
5424_5424	5424	5424	93.4635	1.6125	-0.048	0.0225	0.414	81.3975
5424_5425	5424	5425	21.573	1.3725	-0.021	0.0045	0.006	16.815
5425_5425	5425	5425	85.083	3.9	-0.015	-0.0045	0.084	69.777
5425_5426	5425	5426	19.4325	1.932	-0.0075	-0.003	-0.0945	-11.034
5426_5426	5426	5426	78.5025	6.3885	0.087	0.033	-0.1635	13.5405
5426_5427	5426	5427	17.373	2.4945	0.0675	0.0255	0.4995	-33.12
5427_5427	5427	5427	78.3555	7.992	-0.0915	-0.0735	0.57	-43.02
5427_5428	5427	5428	17.3175	2.85	0.027	-0.057	0.618	-48.96
5428_5428	5428	5428	73.3065	-7.6365	0.261	0.0705	0.141	-87.4425
5428_5429	5428	5429	15.705	-0.54	0.081	0.0945	0.9525	-47.544
5429_5429	5429	5429	73.1895	7.236	0.042	-0.078	0.9315	-64.4955
5429_5430	5429	5430	15.6255	0.222	0.069	-0.1005	1.164	-48.2745
5430_5430	5430	5430	76.668	-7.143	0.108	0.003	-1.167	-69.7125
5430_5431	5430	5431	14.841	-2.6265	0.015	0.0075	-0.0525	-30.9645
5431_5431	5431	5431	76.8045	-5.487	0.09	0.0075	-0.564	-30.075
5431_5432	5431	5432	14.895	-2.3055	0.012	0.0015	0.0555	-10.5375
5432_5432	5432	5432	83.079	-3.051	-0.0165	0.006	0.2505	18.5415
5432_5433	5432	5433	15.8655	-1.791	-0.0045	0.003	0.003	15.351
5433_5433	5433	5433	91.1355	-0.615	0.0195	-0.003	0.042	62.0745
5433_5434	5433	5434	16.9095	-1.2675	0.0075	0	0.069	24.3405
5434_5434	5434	5434	91.1265	1.464	-0.0105	0.015	0.1785	66.5055
5434_5435	5434	5435	16.9335	-0.8805	0.0015	0.006	0.081	30.684
5435_5435	5435	5435	102.366	4.386	-0.162	-0.0015	0.1695	55.9725
5435_5436	5435	5436	17.922	-0.3975	-0.0825	0.009	-0.8085	34.512
5436_5436	5436	5436	102.234	6.789	-0.0285	0.0255	-1.5915	8.0355

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5436_5437	5436	5437	17.9265	0.024	-0.06	-0.0165	-1.002	34.428
5437_5437	5437	5437	102.369	8.943	-0.384	-0.0105	-1.695	-15.6225
5437_5072	5437	5072	17.985	-0.0015	-0.2295	-0.0045	-2.0085	34.434
5440_5094	5440	5094	100.566	-8.661	0.012	0.009	-1.881	-47.4615
5440_5441	5440	5441	19.338	0.0345	0.102	0.0075	-1.269	36.957
5441_5441	5441	5441	100.4205	-6.564	0.207	-0.033	-1.7595	-12.0555
5441_5442	5441	5442	19.2645	-0.021	0.108	-0.0495	-0.825	37.0275
5442_5442	5442	5442	100.5495	-4.152	0.0975	0.003	-1.035	10.851
5442_5443	5442	5443	19.26	0.441	0.0855	0.0105	0.1275	32.205
5443_5443	5443	5443	89.3625	-1.266	0.0555	-0.042	-0.0165	57.783
5443_5444	5443	5444	18.084	0.9465	0.003	-0.018	0.1305	25.977
5444_5444	5444	5444	89.3685	0.774	-0.054	0.03	0.405	66.894
5444_5445	5444	5445	18.0585	1.359	-0.0195	0.0105	-0.0015	16.17
5445_5445	5445	5445	81.5145	3.0375	-0.0045	-0.006	0.0555	61.311
5445_5446	5445	5446	16.8435	1.887	-0.0015	-0.003	-0.0015	-11.016
5446_5446	5446	5446	75.372	5.8995	0.021	0.003	0.0045	13.587
5446_5447	5446	5447	15.7425	2.439	0.009	0.003	0.075	-32.775
5447_5447	5447	5447	75.2445	6.963	-0.0195	-0.0195	0.207	-30.426
5447_5448	5447	5448	15.69	2.7615	0	-0.0165	0.066	-48.129
5448_5448	5448	5448	70.578	-7.6035	-0.096	0.072	0.021	-80.0775
5448_5449	5448	5449	15.0555	-0.4305	-0.0165	0.036	0.012	-47.214
5449_5449	5449	5449	70.44	7.0485	0.4005	-0.0765	-0.27	-57.2055
5449_5450	5449	5450	14.9835	0.1335	0.123	-0.042	0.384	-47.6745
5450_5450	5450	5450	73.4235	-6.9	0.0375	-0.003	-0.5415	-69.0525
5450_5451	5450	5451	13.884	-2.9595	-0.0315	-0.0075	0.225	-31.4295
5451_5451	5451	5451	73.554	-5.334	0.057	0.012	-0.333	-30.7515
5451_5452	5451	5452	13.944	-2.6625	-0.027	-0.0045	-0.018	-7.8435
5452_5452	5452	5452	79.686	-3.0255	-0.012	0.006	0.1755	16.4955
5452_5453	5452	5453	13.395	-2.1345	0.0045	-0.006	0.048	22.9845
5453_5453	5453	5453	87.531	-0.8415	0.021	0.0015	-0.006	60.1005
5453_5454	5453	5454	14.5395	-1.0305	0.006	0	0.039	19.437
5454_5454	5454	5454	87.5265	1.1925	0.003	0.0105	0.1395	66.168
5454_5455	5454	5455	14.5605	-0.693	0.003	0.003	0.0555	24.432
5455_5455	5455	5455	98.6985	3.9285	-0.0855	-0.0015	0.177	55.9995
5455_5456	5455	5456	15.825	-0.3405	-0.024	-0.006	-0.21	28.143
5456_5456	5456	5456	98.574	6.3195	-0.1785	0.0285	-0.762	13.1145
5456_5457	5456	5457	15.8295	0.0435	-0.039	0.0255	-0.354	27.9915
5457_5457	5457	5457	98.733	8.4285	0.009	-0.006	-1.4115	-8.931
5457_5110	5457	5110	15.8925	-0.0225	-0.0795	-0.003	-0.6795	28.083
5460_5132	5460	5132	113.2485	-10.695	-0.6015	-0.009	2.349	-64.347
5460_5461	5460	5461	22.2825	-0.3075	-0.2175	-0.0015	-0.546	41.454
5461_5461	5461	5461	113.064	-8.442	-0.105	-0.0015	-0.0285	-20.466
5461_5462	5461	5462	22.212	-0.3285	0.0105	0.0195	-0.447	42.5985
5462_5462	5462	5462	113.235	-5.727	-0.003	0	-0.399	8.982
5462_5463	5462	5463	22.2135	0.2055	0.03	-0.009	-0.1275	40.3605
5463_5463	5463	5463	104.0265	-2.3925	-0.0825	0.108	-0.5895	73.2795
5463_5464	5463	5464	21.5535	0.7815	-0.0135	0.042	-0.312	34.8315
5464_5464	5464	5464	104.0565	-0.06	0.2115	-0.12	-1.269	89.3775
5464_5465	5464	5465	21.5295	1.2825	0.048	-0.0495	0.003	25.5825
5465_5465	5465	5465	98.0235	2.778	-0.0135	-0.0045	0.228	90.3525
5465_5466	5465	5466	20.85	1.9695	0	-0.0015	-0.0045	-2.607
5466_5466	5466	5466	93.768	5.658	-0.03	-0.0045	0.057	50.3295
5466_5467	5466	5467	20.22	2.667	0.0135	-0.018	0.108	-26.2245
5467_5467	5467	5467	93.6315	7.584	0.1485	-0.0015	-0.2085	0.228
5467_5468	5467	5468	20.1615	3.0825	0.0525	0.027	0.4245	-43.356
5468_5468	5468	5468	90.744	-11.6865	0.0315	0.0225	0.5985	-41.9235
5468_5469	5468	5469	19.9605	-1.0935	0	0.039	0.411	-40.3455
5469_5469	5469	5469	84.9555	11.343	-0.039	0.0105	-0.1455	4.674

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5469_5470	5469	5470	20.4765	1.866	0.0015	-0.0105	0.03	-23.6865
5470_5470	5470	5470	88.1175	-6.471	0.06	-0.003	-0.2865	-23.5965
5470_5471	5470	5471	21.0495	-2.478	0.0075	0.006	0.051	-9.84
5471_5471	5471	5471	88.2345	-4.6185	-0.006	0.0045	0.0465	12.3675
5471_5472	5471	5472	21.096	-2.0355	-0.009	-0.0015	-0.0195	8.199
5472_5472	5472	5472	92.661	-2.055	0.0105	0.0015	-0.0225	53.3025
5472_5473	5472	5473	21.9855	-1.3515	0.0045	0	0.0375	27.6645
5473_5473	5473	5473	99.009	0.3825	-0.009	-0.0015	0.0945	82.905
5473_5474	5473	5474	22.9845	-0.6795	0	0	0.0225	32.5605
5474_5474	5474	5474	98.973	2.6835	-0.015	0.0045	0.0315	80.151
5474_5475	5474	5475	22.9935	-0.144	-0.0015	0.0015	0.009	33.6015
5475_5475	5475	5475	108.6705	5.5635	-0.0015	0	-0.081	60.816
5475_5476	5475	5476	23.934	0.4545	-0.0195	0.0015	-0.2025	28.638
5476_5476	5476	5476	108.5055	8.169	0.042	0.003	-0.1005	0.0525
5476_5477	5476	5477	23.9175	1.029	-0.0105	-0.0045	-0.237	25.0485
5477_5477	5477	5477	108.654	10.1955	-0.03	0.0015	0.0105	-28.4385
5477_5148	5477	5148	23.9895	0.9765	0.0105	0	-0.2295	21.0465
5480_5168	5480	5168	114.456	-10.893	0.2625	0.0045	-0.78	-75.4995
5480_5481	5480	5481	26.115	-1.044	0.0465	0	-0.204	32.0235
5481_5481	5481	5481	114.3285	-8.823	-0.213	-0.0105	0.2655	-30.9105
5481_5482	5481	5482	26.052	-1.059	-0.033	0.06	-0.2745	35.721
5482_5482	5482	5482	114.5085	-6.048	0.063	0.0015	-0.4785	-0.1365
5482_5483	5482	5483	26.07	-0.4275	0.0315	-0.021	0.0435	40.389
5483_5483	5483	5483	104.8515	-2.7915	-0.0825	0.057	0.225	67.659
5483_5484	5483	5484	25.3605	0.2685	-0.021	0.0255	-0.093	38.454
5484_5484	5484	5484	104.8875	-0.354	0.0705	-0.063	-0.411	87.774
5484_5485	5484	5485	25.347	0.858	0.0165	-0.0285	0.0075	32.2695
5485_5485	5485	5485	98.4855	2.379	-0.012	-0.003	0.1245	90.321
5485_5486	5485	5486	24.555	1.68	-0.003	-0.0015	-0.0285	8.331
5486_5486	5486	5486	93.9645	5.277	-0.0135	-0.0015	-0.0705	56.028
5486_5487	5486	5487	23.82	2.5245	0.006	-0.0045	0.0285	-14.025
5487_5487	5487	5487	93.8355	7.209	0.057	-0.0045	-0.1965	9.297
5487_5488	5487	5488	23.763	3.0135	0.0255	0.006	0.1695	-30.7755
5488_5488	5488	5488	90.5865	-12.0675	-0.0195	-0.0225	0.0915	-30.7635
5488_5489	5488	5489	23.361	-1.9005	-0.0045	0.012	0.141	-25.263
5489_5489	5489	5489	93.057	12.6135	-0.0585	-0.036	0.1875	10.7595
5489_5490	5489	5490	18.6	1.41	0.018	-0.066	0.3915	-31.941
5490_5490	5490	5490	96.501	-7.1295	0.051	-0.0015	-0.021	-25.719
5490_5491	5490	5491	18.981	-2.5005	-0.018	0.0135	0.237	-17.6745
5491_5491	5491	5491	96.627	-5.1435	-0.0225	0.003	0.255	13.9035
5491_5492	5491	5492	19.029	-2.109	-0.033	-0.0045	-0.0495	1.0065
5492_5492	5492	5492	101.3445	-2.1915	-0.0105	0.0015	0.027	59.4435
5492_5493	5492	5493	19.749	-1.458	0.0015	0.0015	-0.0375	22.1745
5493_5493	5493	5493	108.0075	0.6285	0.0765	-0.0585	-0.1275	91.05
5493_5494	5493	5494	20.5755	-0.855	0.0255	-0.0165	0.138	28.344
5494_5494	5494	5494	107.964	3.138	-0.0795	0.0585	0.384	86.52
5494_5495	5494	5495	20.589	-0.3765	-0.006	0.021	0.0855	31.0605
5495_5495	5495	5495	117.9045	6.483	0.0135	0.0045	-0.2055	63.9075
5495_5496	5495	5496	21.3825	0.168	-0.069	-0.018	-0.672	29.2335
5496_5496	5496	5496	117.714	9.309	-0.27	-0.0105	-0.0465	-6.888
5496_5497	5496	5497	21.3735	0.6795	-0.1215	0.0705	-1.116	26.8605
5497_5497	5497	5497	117.8175	11.4765	0.1965	-0.0015	-1.0995	-39.357
5497_5184	5497	5184	21.423	0.651	0.111	-0.003	-0.7035	24.1965
5500_5204	5500	5204	116.2515	-9.912	0.384	0.027	-4.5345	-44.307
5500_5501	5500	5501	19.641	-0.0045	0.1725	0.009	-1.254	37.506
5501_5501	5501	5501	116.181	-7.6965	0.2655	-0.057	-2.9415	-3.7275
5501_5502	5501	5502	19.5975	-0.033	0.1005	-0.0345	-0.903	37.62
5502_5502	5502	5502	116.3325	-5.0355	0.2175	0	-2.0055	19.662

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5502_5503	5502	5503	19.593	0.438	0.093	0.003	0.1185	32.844
5503_5503	5503	5503	104.4945	-1.3965	-0.093	0.042	0.333	76.7145
5503_5504	5503	5504	18.303	0.933	-0.0195	0.012	-0.036	26.388
5504_5504	5504	5504	104.499	1.032	0.06	-0.0765	-0.3765	86.778
5504_5505	5504	5505	18.276	1.359	0.0075	-0.0255	0.0045	16.5885
5505_5505	5505	5505	95.307	3.9885	0.0135	-0.0165	0.03	79.3305
5505_5506	5505	5506	16.9635	1.8945	0.009	-0.006	0.1245	-10.6275
5506_5506	5506	5506	87.7845	6.9225	-0.174	-0.036	0.171	21.828
5506_5507	5506	5507	15.69	2.4255	-0.0645	-0.018	-0.462	-32.1225
5507_5507	5507	5507	87.624	8.727	-0.1065	0.021	-1.353	-39.471
5507_5508	5507	5508	15.6375	2.748	-0.0525	0.015	-0.7395	-47.3925
5508_5508	5508	5508	81.4395	-8.3655	0.2805	-0.2175	-2.139	-95.409
5508_5509	5508	5509	16.683	-0.558	-0.0375	0.6465	3.867	-43.6425
5509_5509	5509	5509	81.375	8.118	0.1815	0.2115	-1.2915	-70.224
5509_5510	5509	5510	16.731	0.7575	0.2535	-0.612	4.626	-45.894
5510_5510	5510	5510	85.1985	-7.3575	-0.0465	0.054	1.7325	-59.214
5510_5511	5510	5511	17.889	-2.829	-0.309	0.0795	2.637	-30.009
5511_5511	5511	5511	85.332	-5.604	-0.21	-0.0105	1.4895	-18.3225
5511_5512	5511	5512	17.943	-2.46	-0.345	-0.03	-0.387	-8.22
5512_5512	5512	5512	93.216	-2.775	0.0225	0.0105	-0.39	31.3005
5512_5513	5512	5513	19.497	-1.8345	0.03	0.0075	0.0195	18.405
5513_5513	5513	5513	102.7755	0.099	0.0645	-0.039	-0.123	71.325
5513_5514	5513	5514	21.138	-1.2255	0.0375	-0.0105	0.2415	27.1965
5514_5514	5514	5514	102.747	2.4435	-0.0825	0.0555	0.312	70.608
5514_5515	5514	5515	21.1605	-0.7425	0.006	0.024	0.27	32.5395
5515_5515	5515	5515	114.921	5.988	-0.123	0.0045	-0.3645	53.028
5515_5516	5515	5516	22.8105	-0.1545	-0.3015	-0.0255	-3.06	34.0635
5516_5516	5516	5516	114.7425	8.7435	-0.297	0.027	-1.7055	-12.375
5516_5517	5516	5517	22.8075	0.393	-0.336	0.1005	-4.248	32.6895
5517_5517	5517	5517	114.7995	11.031	-0.12	-0.036	-2.8005	-42.861
5517_5220	5517	5220	22.8435	0.4005	0.3525	-0.0135	-3.1095	31.035
5520_5240	5520	5240	118.056	-20.763	-4.9215	-0.249	13.77	-131.787
5520_5521	5520	5521	22.779	-2.535	0.966	0.0105	-1.7295	44.574
5521_5521	5521	5521	118.062	-8.3775	1.5675	-0.3285	-20.241	-17.139
5521_5522	5521	5522	23.0655	-0.1155	0.1845	-0.1905	-1.17	44.886
5522_5522	5522	5522	118.239	-5.4645	1.0575	0.0885	-14.7495	12.1605
5522_5523	5522	5523	23.061	0.453	0.0825	0.0345	-0.2115	39.9495
5523_5523	5523	5523	109.191	-1.9935	0.384	-0.1845	-3.678	71.664
5523_5524	5523	5524	21.819	1.08	0.0465	-0.069	0.0465	32.1885
5524_5524	5524	5524	109.2075	0.5385	0.027	0.1185	-0.8145	86.028
5524_5525	5524	5525	21.7875	1.5855	-0.027	0.0345	-0.1065	20.7585
5525_5525	5525	5525	100.848	3.699	0.12	-0.0195	-1.059	82.0455
5525_5526	5525	5526	20.58	2.2725	0.0495	-0.009	0.5385	-11.8905
5526_5526	5526	5526	93.4305	6.9195	-1.0515	-0.048	0.3	28.6575
5526_5527	5526	5527	19.494	2.9745	-0.1725	0.012	-1.068	-38.3985
5527_5527	5527	5527	93.2625	8.8875	-1.1625	0.105	-9.0345	-32.6385
5527_5528	5527	5528	19.4265	3.384	-0.1965	-0.009	-2.175	-57.198
5528_5528	5528	5528	91.14	-10.659	-0.918	1.8705	18.8835	-60.666
5528_5529	5528	5529	18.747	-0.642	0.111	-0.2355	-1.9845	-55.308
5529_5529	5529	5529	91.3935	11.4	0.441	-1.7595	16.0845	-27.5985
5529_5530	5529	5530	18.6645	0.321	0.054	0.279	-1.83	-56.376
5530_5530	5530	5530	99.7935	-7.8525	-1.029	0.195	16.9875	-51.795
5530_5531	5530	5531	20.3595	-3.426	-0.7545	0.162	6.993	-35.2845
5531_5531	5531	5531	99.933	-5.781	-1.2405	-0.0555	11.28	-8.157
5531_5532	5531	5532	20.424	-3.003	-0.7995	-0.0555	-0.057	-8.688
5532_5532	5532	5532	107.8965	-2.076	0.105	0.015	-0.126	43.053
5532_5533	5532	5533	22.3005	-2.235	0.051	0.009	0.5565	23.6145
5533_5533	5533	5533	116.607	1.095	0.0555	0.006	0.9165	76.7115

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5533_5534	5533	5534	24.3975	-1.5255	0.033	-0.0045	0.6195	34.509
5534_5534	5534	5534	116.55	3.8085	-0.0285	0.0255	1.296	68.814
5534_5535	5534	5535	24.426	-0.957	0.015	0.006	0.7245	41.4105
5535_5535	5535	5535	125.6865	7.8045	-0.657	-0.006	0.597	41.5725
5535_5536	5535	5536	26.7255	-0.309	-0.546	-0.0285	-5.427	44.7585
5536_5536	5536	5536	125.4675	10.7805	-0.6285	0.1605	-6.576	-43.6605
5536_5537	5536	5537	26.7255	0.3255	-0.54	0.0885	-7.305	43.6275
5537_5537	5537	5537	125.3955	12.6555	-0.327	-0.4215	-9.3225	-81.2715
5537_5254	5537	5254	26.6655	0.3585	-0.0585	-0.1515	-7.878	42.093
5540_5278	5540	5278	126.4845	-11.7885	-0.4305	0.3165	-7.872	-112.389
5540_5541	5540	5541	24.366	0.1665	-0.252	-0.0705	-2.1555	55.821
5541_5541	5541	5541	125.895	-10.359	0.792	-0.1185	-10.4085	-64.4295
5541_5542	5541	5542	24.171	0.15	0.093	-0.1665	-1.9845	55.2
5542_5542	5542	5542	126.1125	-7.269	0.537	0.0105	-7.656	-28.224
5542_5543	5542	5543	24.1605	0.7425	0.0435	-0.0045	-1.485	47.0895
5543_5543	5543	5543	118.251	-3.18	0.285	-0.132	-2.637	50.8875
5543_5544	5543	5544	22.623	1.386	0.1215	-0.09	-0.7395	37.044
5544_5544	5544	5544	118.293	-0.39	-0.045	0.087	-0.5145	73.806
5544_5545	5544	5545	22.584	1.9185	0.057	0.0315	-0.2985	23.22
5545_5545	5545	5545	110.2395	3.369	0.1395	0.0045	-1.5915	76.3815
5545_5546	5545	5546	21.1425	2.6115	0.087	-0.0045	0.798	-14.4255
5546_5546	5546	5546	103.455	6.822	-2.043	-0.066	-0.408	31.557
5546_5547	5546	5547	19.992	3.3825	-0.4755	0.0255	-3.582	-44.394
5547_5547	5547	5547	103.2915	8.928	-2.196	0.27	-18.5085	-28.8375
5547_5548	5547	5548	19.9185	3.789	-0.507	0.036	-6.4275	-65.4555
5548_5548	5548	5548	94.4805	-11.454	1.536	-3.384	-31.4625	-89.196
5548_5549	5548	5549	18.7395	-0.354	0.417	-0.72	-5.3685	-64.4355
5549_5549	5549	5549	94.095	9.4965	-0.3375	3.7275	-26.9985	-57.1695
5549_5550	5549	5550	18.612	-0.144	0.024	0.8925	-5.358	-64.575
5550_5550	5550	5550	95.3955	-6.879	-1.3425	0.225	22.7775	-19.8285
5550_5551	5550	5551	16.929	-4.02	0.3645	0.0285	-3.171	-41.7195
5551_5551	5551	5551	95.5245	-4.716	-1.5495	-0.078	15.153	19.1505
5551_5552	5551	5552	17.016	-3.636	0.324	0.012	-0.396	-11.097
5552_5552	5552	5552	100.581	-0.5475	0	0.018	1.6815	58.9455
5552_5553	5552	5553	16.35	-2.9505	0.111	-0.012	1.269	30.7155
5553_5553	5553	5553	106.4175	3.498	-0.195	0.0105	1.1505	66.666
5553_5554	5553	5554	15.8085	-2.2425	0.06	-0.0435	1.6725	46.185
5554_5554	5554	5554	106.293	6.234	-0.315	0.0645	-0.2355	42.042
5554_5555	5554	5555	15.861	-1.836	0.042	-0.033	1.9455	59.1165
5555_5555	5555	5555	112.65	9.921	-1.659	0.015	-2.634	10.044
5555_5556	5555	5556	15.45	-1.164	0.264	-0.06	4.6635	69.447
5556_5556	5556	5556	112.326	13.0515	-1.9305	0.342	-20.2485	-95.709
5556_5557	5556	5557	15.477	-0.735	0.225	-0.0165	5.3865	71.967
5557_5557	5557	5557	110.892	14.8455	1.7085	1.0485	-27.6795	-140.129
5557_5290	5557	5290	15.6165	-0.741	-0.138	-0.141	4.6935	75.9765
45000_5000	45000	5000	2.193	29.574	-0.387	0.348	0	15.9225
45000_5001	45000	5001	0.612	3.7125	0.0255	0.213	0.318	-42.9285
45001_5001	45001	5001	2.193	29.574	-0.39	-0.135	-4.932	-360.342
45001_5002	45001	5002	0.612	3.7125	0.024	0.156	0.5565	-79.6305
45002_5002	45002	5002	2.196	35.373	0.453	0.6585	-8.7945	-652.698
45002_5003	45002	5003	0.6105	3.768	-0.003	0.1185	0.5145	-125.388
45003_5003	45003	5003	2.1975	35.373	0.4485	-0.993	-3.3	-1082.3
45003_5004	45003	5004	0.6105	3.768	-0.0045	-0.072	0.4605	-171.099
45004_5004	45004	5004	2.1945	45.453	-0.0555	0.768	2.1465	-1511.38
45004_5005	45004	5005	0.6105	3.7815	0.0015	0.1185	0.4845	-217.01
45005_5005	45005	5005	2.1945	33.759	-0.057	-1.134	1.4745	-2063.16
45005_5006	45005	5006	0.6105	3.7815	0.0015	-0.081	0.5025	-262.95
45006_5006	45006	5006	2.1945	-4.1775	0.0465	1.815	0.777	-2473.38

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45006_5007	45006	5007	0.6105	3.8445	0.018	0.252	0.72	-309.621
45007_5007	45007	5007	2.1945	-4.1775	0.0435	-2.1465	1.3485	-2422.69
45007_5008	45007	5008	0.612	3.8445	0.0165	-0.2535	0.9255	-356.277
45008_5008	45008	5008	2.1945	-16.2405	-0.024	1.6125	1.875	-2371.88
45008_5009	45008	5009	0.6105	3.978	-0.003	0.3075	0.891	-404.579
45009_5009	45009	5009	2.1945	-42.2835	-0.027	-1.9425	1.5855	-2174.67
45009_5010	45009	5010	0.6105	3.978	-0.0045	-0.354	0.8445	-452.868
45010_5010	45010	5010	2.196	-29.514	0.045	-0.15	1.254	-1661.48
45010_5011	45010	5011	0.612	4.224	0.015	-0.036	1.032	-504.143
45011_5011	45011	5011	2.196	-29.514	0.045	-0.15	1.7955	-1303.22
45011_5012	45011	5012	0.612	4.224	0.015	-0.036	1.2195	-555.407
45012_5012	45012	5012	2.1945	-21.8925	-0.1005	0.159	2.3355	-945.002
45012_5013	45012	5013	0.6105	4.692	-0.0225	0.1545	0.9405	-612.402
45013_5013	45013	5013	2.1945	-21.8925	-0.102	-0.33	1.1085	-679.133
45013_5014	45013	5014	0.6105	4.692	-0.024	-0.2865	0.6585	-669.335
45014_5014	45014	5014	2.196	-18.111	0.201	0.0255	-0.138	-413.496
45014_5015	45014	5015	0.612	5.3355	0.0705	0.1695	1.797	-755.51
45015_5015	45015	5015	2.448	-66.084	0.207	-0.975	3.654	-1741.14
45015_5016	45015	5016	0.5655	5.3415	0.0705	-0.429	2.3715	-799.263
45016_5016	45016	5016	3.354	-59.9295	-0.0855	0.312	5.2305	-1532.36
45016_5017	45016	5017	0.4425	6.681	-0.06	0.378	1.677	-877.746
45017_5017	45017	5017	5.2215	-69.8955	-0.0915	-0.7365	3.708	-1310.45
45017_5018	45017	5018	0.282	-1.374	0	0.183	-0.9585	339.819
45018_5018	45018	5018	7.1055	-73.194	0.0315	-0.111	1.878	-914.46
45018_5019	45018	5019	0.3075	-1.2705	-0.0165	-0.1335	-1.185	360.906
45019_5019	45019	5019	9.9705	-84.2985	0.033	-0.417	1.851	-524.517
45019_5020	45019	5020	0.342	-1.29	-0.0165	0.249	-1.377	382.4955
45020_5020	45020	5020	13.788	-1.2	-0.0105	0.0255	2.361	-169.73
45020_5021	45020	5021	90.525	-0.5475	0.2595	0.2025	-4.8	-166.17
45021_5021	45021	5021	13.788	-1.2	-0.0135	0.003	2.2575	-154.998
45021_5022	45021	5022	90.525	-0.5475	0.2445	0.117	-2.901	-140.051
45022_5022	45022	5022	13.788	-1.2	-0.0285	-0.1635	2.1555	-145.688
45022_5023	45022	5023	90.525	-0.5475	0.141	-0.0435	-1.806	-135.807
45023_5023	45023	5023	13.788	-1.161	-0.027	-0.0645	1.9335	-136.391
45023_5024	45023	5024	90.5295	0.3375	0.1185	0.09	-0.8595	-138.512
45024_5024	45024	5024	13.788	-1.161	-0.009	0.1095	1.713	-127.103
45024_5025	45024	5025	90.5295	0.3375	0.243	0.2805	1.083	-141.213
45025_5025	45025	5025	13.788	-1.161	-0.045	-0.198	1.644	-117.825
45025_5026	45025	5026	90.5295	0.3375	0.006	-0.09	1.1295	-143.916
45026_5026	45026	5026	13.788	-1.1685	-0.039	-0.0195	1.287	-108.539
45026_5027	45026	5027	90.531	1.3335	0.1395	0.1635	1.968	-151.925
45027_5027	45027	5027	13.788	-1.1685	-0.036	-0.003	1.056	-101.531
45027_5028	45027	5028	90.531	1.3335	0.1545	0.189	2.8965	-159.918
45028_5028	45028	5028	13.788	-1.1685	-0.039	-0.018	0.8385	-94.533
45028_5029	45028	5029	90.531	1.3335	0.1395	0.162	3.735	-167.925
45029_5029	45029	5029	13.788	-1.1685	-0.0615	-0.1635	0.606	-87.5235
45029_5030	45029	5030	90.531	1.3335	-0.0105	-0.117	3.672	-175.931
45030_5030	45030	5030	13.788	-1.152	-0.0495	0.006	0.237	-80.517
45030_5031	45030	5031	90.5325	1.9785	0.1515	0.2565	4.8885	-191.759
45031_5031	45031	5031	13.788	-1.152	-0.066	-0.0825	-0.1575	-71.2935
45031_5032	45031	5032	90.5325	1.9785	0.039	0.0195	5.202	-207.584
45032_5032	45032	5032	13.788	-1.152	-0.066	-0.0825	-0.6885	-62.0715
45032_5033	45032	5033	90.5325	1.9785	0.039	0.0195	5.517	-223.41
45033_5033	45033	5033	13.7865	-1.1775	-0.153	-0.0105	-1.221	-52.851
45033_5034	45033	5034	90.5325	2.1345	-0.027	0.189	5.3145	-239.949
45034_5034	45034	5034	13.7865	-1.1775	-0.153	-0.0105	-2.4105	-43.725
45034_5035	45034	5035	90.5325	2.1345	-0.027	0.189	5.1105	-256.484
45035_5035	45035	5035	13.7865	-1.1775	-0.168	-0.0885	-3.6	-38.1045

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45035_5036	45035	5036	90.5325	2.1345	-0.117	-0.099	4.0005	-299.723
45036_5036	45036	5036	40.332	56.826	0.039	-0.4455	4.9365	1278.512
45036_5037	45036	5037	21.927	-10.7535	-0.0225	1.269	3.0705	-1018.95
45037_5037	45037	5037	38.841	57.8565	-0.0375	0.6675	5.3265	562.8885
45037_5038	45037	5038	22.2	-10.179	-0.0735	-1.0815	2.343	-891.288
45038_5038	45038	5038	37.7745	60.816	0.0135	0.7905	5.322	32.235
45038_5039	45038	5039	22.515	-8.451	0.096	0.7005	3.4875	-779.237
45039_5039	45039	5039	36.222	56.448	-0.0495	-0.429	5.8545	-529.148
45039_5040	45039	5040	22.7145	-7.896	0.057	-0.705	4.203	-684.141
45040_5040	45040	5040	35.2425	54.7965	-0.1215	0.696	5.352	-1026.14
45040_5041	45040	5041	22.8525	-6.282	-0.0975	0.297	3.3795	-632.382
45041_5041	45041	5041	34.7685	2.091	-0.141	-0.2865	4.3065	-1432.67
45041_5042	45041	5042	22.908	-6.081	-0.1125	-0.1245	1.611	-530.223
45042_5042	45042	5042	34.77	19.2015	0.0525	-0.012	2.0895	-1465.58
45042_5043	45042	5043	22.908	-5.2185	0.039	0	2.076	-467.985
45043_5043	45043	5043	34.77	-35.9985	0.0525	-0.012	2.7225	-1694.59
45043_5044	45043	5044	22.908	-5.2185	0.039	0	2.5395	-405.74
45044_5044	45044	5044	34.77	-22.41	-0.024	-0.087	3.357	-1265.35
45044_5045	45044	5045	22.908	-4.8555	-0.021	-0.033	2.295	-347.798
45045_5045	45045	5045	34.77	-22.41	-0.021	-0.015	3.072	-997.92
45045_5046	45045	5046	22.908	-4.8555	-0.0195	-0.009	2.0715	-289.893
45046_5046	45046	5046	34.77	-15.102	-0.003	0.4035	2.817	-730.725
45046_5047	45046	5047	22.908	-4.725	0	0.1515	2.0775	-233.522
45047_5047	45047	5047	34.77	-15.102	-0.0585	-0.4785	2.778	-550.532
45047_5048	45047	5048	22.908	-4.725	-0.036	-0.222	1.6455	-177.203
45048_5048	45048	5048	34.77	-11.931	0.03	0.138	2.076	-370.497
45048_5049	45048	5049	22.9095	-4.7625	0.021	0.0495	1.8945	-120.386
45049_5049	45049	5049	34.77	-11.931	-0.0285	-0.243	2.433	-228.161
45049_5050	45049	5050	22.9095	-4.7625	-0.018	-0.1515	1.6845	-63.576
45050_5050	45050	5050	34.7715	-11.232	-0.0045	-0.1065	2.0955	-85.8225
45050_5051	45050	5051	22.9095	-4.9545	-0.033	-0.0645	1.155	14.2635
45051_5051	45051	5051	34.8645	-10.9395	-0.054	-0.0015	2.0235	87.1995
45051_5052	45051	5052	22.95	-4.7625	-0.066	-0.0615	0.609	51.3225
45052_5052	45052	5052	35.046	-11.217	0.0165	-0.345	1.6395	179.628
45052_5053	45052	5053	23.031	-4.7295	0.006	-0.159	0.6705	106.8765
45053_5053	45053	5053	35.319	-10.323	-0.051	0.1845	1.8435	300.123
45053_5054	45053	5054	23.1435	-4.1415	-0.0375	0.015	0.171	154.3725
45054_5054	45054	5054	35.58	-9.672	0	-0.507	1.131	437.037
45054_5055	45054	5055	23.2575	-3.8085	0.015	-0.234	0.3375	202.125
45055_5055	45055	5055	35.82	-8.745	-0.0555	0.3495	1.2015	558.327
45055_5056	45055	5056	23.349	-3.2025	-0.0225	0.078	0.09	242.3745
45056_5056	45056	5056	11.8155	-0.765	0.009	-0.0165	0.864	-118.67
45056_5057	45056	5057	73.3635	0.0045	0.156	0.1035	-2.9715	-158.852
45057_5057	45057	5057	11.8155	-0.765	0.0135	0.027	0.9465	-110.768
45057_5058	45057	5058	73.3635	0.0045	0.186	0.156	-1.533	-154.943
45058_5058	45058	5058	11.8155	-0.765	-0.0015	-0.108	1.0515	-104.837
45058_5059	45058	5059	73.3635	0.0045	0.0915	-0.0435	-0.828	-154.977
45059_5059	45059	5059	11.8155	-0.747	0.009	0.114	1.038	-98.9055
45059_5060	45059	5060	73.365	0.798	0.2445	0.3495	1.1325	-161.373
45060_5060	45060	5060	11.8155	-0.747	-0.0195	-0.111	1.1055	-92.9175
45060_5061	45060	5061	73.365	0.798	0.0675	-0.039	1.6755	-167.759
45061_5061	45061	5061	11.8155	-0.747	-0.0195	-0.111	0.9465	-86.937
45061_5062	45061	5062	73.365	0.798	0.0675	-0.039	2.22	-174.144
45062_5062	45062	5062	11.8155	-0.7545	-0.006	0.018	0.786	-80.958
45062_5063	45062	5063	73.365	1.785	0.114	0.2445	2.8995	-184.862
45063_5063	45063	5063	11.8155	-0.7545	-0.0045	0.027	0.75	-76.431
45063_5064	45063	5064	73.365	1.785	0.1215	0.2655	3.627	-195.557
45064_5064	45064	5064	11.8155	-0.7545	-0.0255	-0.1005	0.7215	-71.9115

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45064_5065	45064	5065	73.365	1.785	-0.009	-0.081	3.5745	-206.268
45065_5065	45065	5065	11.8155	-0.7545	-0.0255	-0.1005	0.567	-67.386
45065_5066	45065	5066	73.365	1.785	-0.009	-0.081	3.5235	-216.98
45066_5066	45066	5066	11.8155	-0.7515	-0.0225	-0.0195	0.4125	-62.8605
45066_5067	45066	5067	73.368	2.4945	0.0495	0.1995	3.915	-236.937
45067_5067	45067	5067	11.8155	-0.7515	-0.0225	-0.0195	0.2325	-56.8545
45067_5068	45067	5068	73.368	2.4945	0.0495	0.1995	4.3065	-256.884
45068_5068	45068	5068	11.8155	-0.7515	-0.0375	-0.087	0.0525	-50.8485
45068_5069	45068	5069	73.368	2.4945	-0.048	-0.141	3.921	-276.854
45069_5069	45069	5069	11.814	-0.753	-0.0705	0.012	-0.2535	-44.8365
45069_5070	45069	5070	73.371	2.754	0.0285	0.4305	4.1445	-298.191
45070_5070	45070	5070	11.814	-0.753	-0.087	-0.042	-0.801	-39.003
45070_5071	45070	5071	73.371	2.754	-0.072	0.0225	3.591	-319.544
45071_5071	45071	5071	11.814	-0.753	-0.0945	-0.069	-1.476	-34.053
45071_5072	45071	5072	73.371	2.754	-0.1155	-0.177	2.499	-351.233
45072_5072	45072	5072	33.243	61.788	0.012	-0.0675	3.7725	1078.979
45072_5073	45072	5073	12.2085	-8.739	-0.0225	0.882	2.2005	-968.258
45073_5073	45073	5073	31.6215	61.965	-0.03	0.327	3.906	323.382
45073_5074	45073	5074	12.432	-8.418	-0.0435	-0.7185	1.7895	-862.724
45074_5074	45074	5074	30.5175	65.427	-0.0525	1.23	3.708	-243.275
45074_5075	45074	5075	12.684	-7.2255	0.003	0.822	1.7355	-766.89
45075_5075	45075	5075	28.599	55.4385	-0.0855	-0.636	3.744	-619.203
45075_5076	45075	5076	12.864	-6.9	-0.024	-0.8415	1.5105	-681.599
45076_5076	45076	5076	27.597	54.267	0.0045	1.2915	2.676	-1113.5
45076_5077	45076	5077	12.984	-5.5185	0.0165	0.5205	1.617	-636.078
45077_5077	45077	5077	27.387	7.491	-0.015	-0.624	2.4465	-1456.62
45077_5078	45077	5078	13.0305	-5.409	0	-0.2805	1.6185	-563.613
45078_5078	45078	5078	27.3885	4.644	0.036	1.3965	2.2425	-1563.38
45078_5079	45078	5079	13.0305	-4.8315	0.0105	0.447	1.737	-509.433
45079_5079	45079	5079	27.3885	-32.2095	-0.0135	-1.4805	2.6385	-1615.46
45079_5080	45079	5080	13.0305	-4.8315	-0.012	-0.459	1.596	-455.253
45080_5080	45080	5080	27.3885	-20.163	0.0045	0.909	2.4885	-1254.28
45080_5081	45080	5081	13.0305	-4.485	0.003	0.3615	1.6335	-404.966
45081_5081	45081	5081	27.3885	-20.163	-0.045	-0.9225	2.5335	-1028.17
45081_5082	45081	5082	13.0305	-4.485	-0.0195	-0.36	1.41	-354.677
45082_5082	45082	5082	27.39	-13.251	-0.0015	-0.024	2.0325	-802.203
45082_5083	45082	5083	13.0305	-4.3095	-0.009	-0.0165	1.2975	-302.786
45083_5083	45083	5083	27.39	-13.251	-0.003	-0.048	2.0115	-642.612
45083_5084	45083	5084	13.0305	-4.3095	-0.0105	-0.0285	1.179	-250.842
45084_5084	45084	5084	27.39	-10.137	-0.003	0.288	1.9785	-482.898
45084_5085	45084	5085	13.0305	-4.26	-0.0015	0.144	1.1625	-203.094
45085_5085	45085	5085	27.39	-10.137	-0.051	-0.3705	1.9515	-369.249
45085_5086	45085	5086	13.0305	-4.26	-0.024	-0.2175	0.885	-155.346
45086_5086	45086	5086	27.39	-9.087	0.0105	0.1005	1.377	-255.59
45086_5087	45086	5087	13.032	-4.281	-0.0015	0.06	0.867	-107.349
45087_5087	45087	5087	27.39	-9.087	-0.0405	-0.1785	1.488	-153.729
45087_5088	45087	5088	13.032	-4.281	-0.0255	-0.135	0.5835	-59.3115
45088_5088	45088	5088	27.39	-9.0735	0.0285	-0.0945	1.0395	-51.801
45088_5089	45088	5089	13.032	-4.386	0.009	-0.0525	0.705	0.8625
45089_5089	45089	5089	27.468	-8.8365	-0.0075	-0.012	1.4265	77.9055
45089_5090	45089	5090	13.0695	-4.2735	-0.0075	-0.0555	0.6405	38.5725
45090_5090	45090	5090	27.621	-8.8695	0.0045	-0.315	1.3635	150.7785
45090_5091	45090	5091	13.143	-4.2645	-0.0135	-0.1395	0.4845	88.695
45091_5091	45091	5091	28.2945	-65.3985	-0.009	-1.1805	1.7565	-1104.22
45091_5092	45091	5092	13.245	-3.933	-0.0405	0.0255	-0.042	138.6885
45092_5092	45092	5092	29.3085	-56.7045	0.0105	-0.273	1.686	-236.592
45092_5093	45092	5093	13.353	-3.78	0.003	-0.132	-0.0165	186.063
45093_5093	45093	5093	30.909	-61.557	-0.0015	-0.0045	1.758	304.2705

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45093_5094	45093	5094	13.4475	-3.432	-0.0075	0.0225	-0.1035	229.2105
45094_5094	45094	5094	13.8075	0.738	0.066	0.0765	-1.0005	-33.201
45094_5095	45094	5095	70.4835	0.363	0.1485	0.159	-2.148	-132.809
45095_5095	45095	5095	13.8075	0.738	0.06	0.0585	-0.3735	-39.6615
45095_5096	45095	5096	70.4835	0.363	0.12	0.1005	-1.221	-132.804
45096_5096	45096	5096	13.8075	0.738	0.0435	0.0015	0.0945	-45.39
45096_5097	45096	5097	70.4835	0.363	0.0315	-0.066	-0.9795	-135.62
45097_5097	45097	5097	13.8075	0.735	0.0135	0.072	0.4275	-51.1095
45097_5098	45097	5098	70.497	1.1115	0.0765	0.132	-0.3645	-144.518
45098_5098	45098	5098	13.8075	0.735	0.0135	0.072	0.5325	-56.988
45098_5099	45098	5099	70.497	1.1115	0.0765	0.132	0.2505	-153.413
45099_5099	45099	5099	13.8075	0.735	-0.003	-0.003	0.6375	-62.8665
45099_5100	45099	5100	70.497	1.1115	-0.009	-0.054	0.18	-162.296
45100_5100	45100	5100	13.8075	0.7335	0.003	-0.087	0.609	-68.7375
45100_5101	45100	5101	70.497	2.0835	-0.042	-0.243	-0.0735	-174.8
45101_5101	45101	5101	13.8075	0.7335	-0.021	-0.2085	0.6255	-73.137
45101_5102	45101	5102	70.497	2.0835	-0.159	-0.534	-1.0305	-187.304
45102_5102	45102	5102	13.8075	0.7335	0.072	0.3075	0.5025	-77.5365
45102_5103	45102	5103	70.497	2.0835	0.3105	0.7125	0.8295	-199.809
45103_5103	45103	5103	13.8075	0.7335	0.0495	0.1755	0.933	-81.9375
45103_5104	45103	5104	70.497	2.0835	0.1965	0.3915	2.0055	-212.295
45104_5104	45104	5104	13.8075	0.7215	0.0285	0.1215	1.2285	-86.331
45104_5105	45104	5105	70.497	2.7885	0.1035	0.279	2.8305	-234.617
45105_5105	45105	5105	13.8075	0.7215	0.012	0.0105	1.4595	-92.1045
45105_5106	45105	5106	70.497	2.7885	0.018	-0.0045	2.9715	-256.91
45106_5106	45106	5106	13.8075	0.7215	0.012	0.006	1.557	-97.8705
45106_5107	45106	5107	70.497	2.7885	0.015	-0.0135	3.0915	-279.23
45107_5107	45107	5107	13.8075	0.7275	0.012	0.0765	1.65	-103.646
45107_5108	45107	5108	70.4985	3.054	0.024	0.189	3.2745	-302.916
45108_5108	45108	5108	13.8075	0.7275	0.012	0.0795	1.7385	-109.284
45108_5109	45108	5109	70.4985	3.054	0.0255	0.1995	3.4785	-326.568
45109_5109	45109	5109	13.8075	0.7275	-0.003	-0.042	1.8315	-115.65
45109_5110	45109	5110	70.4985	3.054	-0.048	-0.147	3.021	-359.355
45110_5110	45110	5110	31.779	60.369	-0.003	-0.1095	3.2355	1061.525
45110_5111	45110	5111	13.404	2.385	0.012	-0.0855	0.8475	148.35
45111_5111	45111	5111	30.261	55.4385	-0.0345	0.4095	3.321	473.709
45111_5112	45111	5112	13.3365	2.733	-0.009	0.126	0.7215	114.1035
45112_5112	45112	5112	29.259	64.2435	0.0225	0.744	2.8845	-220.842
45112_5113	45112	5113	13.2555	2.8845	0	-0.015	0.7245	75.8235
45113_5113	45113	5113	28.797	7.716	-0.06	0.1905	1.53	249.066
45113_5114	45113	5114	13.179	3.2175	-0.0165	0.066	0.5205	40.1925
45114_5114	45114	5114	28.6635	7.6905	0.039	0.009	0.8235	158.3565
45114_5115	45114	5115	13.1235	3.207	0.012	0.0135	0.6225	13.758
45115_5115	45115	5115	28.596	7.938	0.0315	0.0255	1.1505	93.747
45115_5116	45115	5116	13.095	3.321	0.009	0.012	0.75	-34.1055
45116_5116	45116	5116	28.596	7.8705	-0.0375	0.0675	1.605	-19.3155
45116_5117	45116	5117	13.095	3.1995	-0.006	0.0405	0.675	-69.987
45117_5117	45117	5117	28.596	7.8705	-0.063	-0.0285	1.1775	-107.564
45117_5118	45117	5118	13.095	3.1995	-0.018	-0.021	0.4695	-105.866
45118_5118	45118	5118	28.596	8.7195	0.0225	0.1335	0.465	-195.812
45118_5119	45118	5119	13.095	3.1455	0.006	0.06	0.537	-141.131
45119_5119	45119	5119	28.596	8.7195	-0.003	-0.129	0.7125	-293.571
45119_5120	45119	5120	13.095	3.1455	-0.006	-0.066	0.474	-176.394
45120_5120	45120	5120	28.596	11.5905	0.0165	0.6585	0.675	-391.331
45120_5121	45120	5121	13.095	3.165	0.012	0.261	0.615	-214.535
45121_5121	45121	5121	28.596	11.5905	-0.0555	-0.6585	0.8655	-531.018
45121_5122	45121	5122	13.095	3.165	-0.021	-0.2715	0.3645	-252.641
45122_5122	45122	5122	28.596	18.4065	0.018	0.3945	0.204	-670.584

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45122_5123	45122	5123	13.095	3.2925	0.012	0.117	0.492	-289.55
45123_5123	45123	5123	28.596	18.4065	-0.0075	-0.3885	0.4035	-876.939
45123_5124	45123	5124	13.095	3.2925	0	-0.141	0.4875	-326.457
45124_5124	45124	5124	28.596	30.957	-0.0015	1.26	0.318	-1083.18
45124_5125	45124	5125	13.095	3.5775	-0.0045	0.3135	0.4305	-366.563
45125_5125	45125	5125	28.596	-8.826	-0.0525	-1.2915	0.306	-1430.23
45125_5126	45125	5126	13.095	3.5775	-0.0285	-0.3405	0.1095	-406.673
45126_5126	45126	5126	28.599	-7.8165	-0.0015	0.552	-0.279	-1331.15
45126_5127	45126	5127	13.095	4.092	0.0045	0.213	0.1725	-462.611
45127_5127	45127	5127	28.7205	-26.4045	-0.054	-0.963	-0.552	-1219.52
45127_5128	45127	5128	13.0605	4.203	-0.012	-0.366	0.072	-493.872
45128_5128	45128	5128	29.766	-47.0265	0.0375	0.5835	-0.5835	-1154.22
45128_5129	45128	5129	12.9675	5.3715	0.0015	0.582	0.1125	-556.997
45129_5129	45129	5129	31.806	-65.2635	-0.012	-0.9375	-0.4695	-882.93
45129_5130	45129	5130	12.8265	5.7015	-0.0255	-0.591	-0.2685	-636.842
45130_5130	45130	5130	32.871	-60.504	0.105	-0.2145	-0.7635	-228.614
45130_5131	45130	5131	12.591	7.1385	0.063	0.2565	0.5655	-726.311
45131_5131	45131	5131	34.473	-60.294	0.084	0.1845	0.5835	508.665
45131_5132	45131	5132	12.399	7.4655	0.0525	-0.336	1.17	-820.115
45132_5132	45132	5132	15.0915	0.285	-0.087	-0.2115	0.9225	-69.105
45132_5133	45132	5133	78.63	-0.723	-0.2835	-0.5985	-2.025	-200.091
45133_5133	45133	5133	15.0915	0.285	-0.1065	-0.282	0.0945	-68.5545
45133_5134	45133	5134	78.6285	-0.723	-0.3855	-0.774	-5.007	-177.53
45134_5134	45134	5134	15.0915	0.285	0.0885	0.63	-0.7305	-70.758
45134_5135	45134	5135	78.627	-0.723	0.6285	1.515	-0.1275	-171.912
45135_5135	45135	5135	15.0915	0.273	0.0135	0.0675	-0.0495	-72.972
45135_5136	45135	5136	78.6195	-0.192	-0.0255	0.135	-0.3375	-170.393
45136_5136	45136	5136	15.0915	0.273	-0.006	-0.027	0.06	-75.1545
45136_5137	45136	5137	78.6195	-0.192	-0.1245	-0.078	-1.332	-168.855
45137_5137	45137	5137	15.0915	0.273	0.0135	0.0705	0.0165	-77.3385
45137_5138	45137	5138	78.6195	-0.192	-0.0255	0.135	-1.5315	-167.321
45138_5138	45138	5138	15.0915	0.2745	0.027	0.0915	0.1275	-79.518
45138_5139	45138	5139	78.618	0.8925	0.1095	0.1845	-0.8745	-172.668
45139_5139	45139	5139	15.0915	0.2745	0.0015	-0.0435	0.2865	-81.162
45139_5140	45139	5140	78.618	0.8925	-0.021	-0.1035	-1.002	-178.02
45140_5140	45140	5140	15.0915	0.2745	0.027	0.0945	0.2955	-82.8045
45140_5141	45140	5141	78.618	0.8925	0.1095	0.1935	-0.345	-183.374
45141_5141	45141	5141	15.0915	0.2745	0.0015	-0.0465	0.456	-84.4485
45141_5142	45141	5142	78.618	0.8925	-0.021	-0.1125	-0.4725	-188.727
45142_5142	45142	5142	15.0915	0.2715	0.021	0.0225	0.465	-86.091
45142_5143	45142	5143	78.6165	1.479	0.054	0.0435	-0.036	-200.561
45143_5143	45143	5143	15.0915	0.2715	0.021	0.0225	0.633	-88.2585
45143_5144	45143	5144	78.6165	1.479	0.054	0.0435	0.4005	-212.399
45144_5144	45144	5144	15.0915	0.2715	0.021	0.0225	0.8025	-90.4245
45144_5145	45144	5145	78.6165	1.479	0.054	0.0435	0.837	-224.237
45145_5145	45145	5145	15.0915	0.285	0.0105	-0.0315	0.9705	-92.592
45145_5146	45145	5146	78.612	1.6155	0.021	-0.0945	1.002	-236.751
45146_5146	45146	5146	15.0915	0.285	0.0105	-0.0315	1.0515	-94.803
45146_5147	45146	5147	78.612	1.6155	0.021	-0.0945	1.167	-249.272
45147_5147	45147	5147	15.0915	0.285	0.03	0.096	1.131	-99.861
45147_5148	45147	5148	78.6105	1.6155	0.12	0.2415	2.3055	-279.44
45148_5148	45148	5148	50.7975	41.9025	0.006	-0.3255	0.522	1359.338
45148_5149	45148	5149	24.375	2.907	0.0105	-0.0855	-0.0255	242.3505
45149_5149	45149	5149	49.686	43.215	-0.0315	0.324	0.5295	832.8405
45149_5150	45149	5150	24.291	3.543	-0.009	0.108	-0.159	197.943
45150_5150	45150	5150	48.9495	45.0375	0.009	0.03	0.147	415.953
45150_5151	45150	5151	24.1845	3.945	0.015	-0.006	0.042	145.611
45151_5151	45151	5151	47.7945	40.7865	0	-0.003	0.294	11.352

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45151_5152	45151	5152	24.0765	4.5585	0.009	0.027	0.138	99.795
45152_5152	45152	5152	47.34	16.0185	-0.003	0.0045	0.303	235.4685
45152_5153	45152	5153	23.9985	4.6305	0.006	0.015	0.1875	61.59
45153_5153	45153	5153	47.2035	16.416	-0.0015	0.0015	0.2835	108.759
45153_5154	45153	5154	23.958	4.8315	0.006	0.012	0.273	-2.034
45154_5154	45154	5154	47.2035	19.2825	0.003	0.0105	0.258	-116.811
45154_5155	45154	5155	23.958	4.6635	0.0045	0.015	0.3195	-53.331
45155_5155	45155	5155	47.2035	19.2825	0.003	0.0105	0.288	-328.931
45155_5156	45155	5156	23.958	4.6635	0.0045	0.015	0.366	-104.628
45156_5156	45156	5156	47.2035	26.2755	0.0195	0.0135	0.318	-541.05
45156_5157	45156	5157	23.958	4.626	0.012	0.0135	0.492	-150.929
45157_5157	45157	5157	47.2035	26.2755	0.021	0.021	0.516	-804.087
45157_5158	45157	5158	23.958	4.626	0.0135	0.015	0.621	-197.184
45158_5158	45158	5158	47.2035	38.874	-0.03	-0.717	0.7185	-1066.74
45158_5159	45158	5159	23.958	4.7175	-0.0075	-0.114	0.5415	-244.404
45159_5159	45159	5159	47.2035	-5.232	0.0165	0.7365	0.4125	-1455.88
45159_5160	45159	5160	23.958	4.7175	0.0165	0.1305	0.702	-291.629
45160_5160	45160	5160	47.2035	0.012	-0.0195	0.036	0.576	-1403.51
45160_5161	45160	5161	23.9595	4.965	-0.012	0.0135	0.567	-346.244
45161_5161	45161	5161	47.2035	0.012	-0.0195	0.036	0.3705	-1403.64
45161_5162	45161	5162	23.9595	4.965	-0.012	0.0135	0.432	-400.857
45162_5162	45162	5162	47.2005	-38.802	0.0585	0.291	0.1635	-1403.92
45162_5163	45162	5163	23.958	5.538	0.069	0.144	1.383	-476.966
45163_5163	45163	5163	47.673	-59.6205	0.0345	-0.4995	1.05	-1181.49
45163_5164	45163	5164	23.9115	5.736	0.051	-0.2145	1.806	-525.705
45164_5164	45164	5164	48.3255	-47.109	-0.039	-0.0915	1.3335	-689.561
45164_5165	45164	5165	23.9595	-5.0685	0.0135	0.0795	-0.042	177.3825
45165_5165	45165	5165	49.5345	-51.192	0.006	0.1425	1.0035	-344.745
45165_5166	45165	5166	24.0795	-4.4655	0.0405	-0.105	0.4785	230.295
45166_5166	45166	5166	50.3955	-44.49	0.0165	-0.3435	1.0485	334.356
45166_5167	45166	5167	24.195	-4.0305	0	-0.1215	0.483	280.8165
45167_5167	45167	5167	51.561	-47.7735	-0.0225	0.303	1.2915	803.1375
45167_5168	45167	5168	24.2925	-3.3975	-0.018	0.09	0.2685	323.505
45168_5168	45168	5168	14.28	-0.264	-0.009	0.0015	1.6125	-74.4165
45168_5169	45168	5169	75.9555	-1.9995	0.036	0.0885	1.572	-244.275
45169_5169	45169	5169	14.28	-0.264	-0.027	-0.081	1.5255	-68.7525
45169_5170	45169	5170	75.9555	-1.9995	-0.0585	-0.2025	1.119	-212.021
45170_5170	45170	5170	14.28	-0.264	-0.009	0.003	1.3155	-66.708
45170_5171	45170	5171	75.9555	-1.9995	0.039	0.0675	1.4175	-196.526
45171_5171	45171	5171	14.28	-0.2595	-0.018	-0.087	1.248	-64.6605
45171_5172	45171	5172	75.951	-1.8945	-0.0765	-0.1725	0.8085	-181.367
45172_5172	45172	5172	14.28	-0.2595	0	-0.009	1.0995	-62.58
45172_5173	45172	5173	75.951	-1.8945	0.018	0.054	0.957	-166.212
45173_5173	45173	5173	14.28	-0.2595	0	-0.009	1.0935	-60.498
45173_5174	45173	5174	75.951	-1.8945	0.018	0.054	1.107	-151.056
45174_5174	45174	5174	14.28	-0.258	-0.0195	-0.0885	1.0875	-58.4175
45174_5175	45174	5175	75.951	-1.443	-0.084	-0.141	0.6045	-142.395
45175_5175	45175	5175	14.28	-0.258	0.0045	0.0075	0.9735	-56.865
45175_5176	45175	5176	75.951	-1.443	0.0435	0.096	0.861	-133.739
45176_5176	45176	5176	14.28	-0.258	-0.0195	-0.0855	1.002	-55.314
45176_5177	45176	5177	75.951	-1.443	-0.084	-0.1275	0.3585	-125.082
45177_5177	45177	5177	14.28	-0.258	0.0045	0.0045	0.888	-53.7615
45177_5178	45177	5178	75.951	-1.443	0.0435	0.081	0.615	-116.424
45178_5178	45178	5178	14.28	-0.252	-0.0045	-0.027	0.9165	-52.209
45178_5179	45178	5179	75.951	-0.8355	-0.006	0.0165	0.567	-109.733
45179_5179	45179	5179	14.28	-0.252	-0.0045	-0.027	0.8775	-50.1975
45179_5180	45179	5180	75.951	-0.8355	-0.006	0.0165	0.519	-103.043
45180_5180	45180	5180	14.28	-0.252	-0.0225	-0.087	0.8385	-48.186

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45180_5181	45180	5181	75.951	-0.8355	-0.1005	-0.111	-0.2895	-96.3525
45181_5181	45181	5181	14.28	-0.24	-0.015	-0.033	0.657	-46.1745
45181_5182	45181	5182	75.951	-0.354	0.045	0.018	0.054	-93.6105
45182_5182	45182	5182	14.28	-0.24	-0.033	-0.09	0.5445	-44.3175
45182_5183	45182	5183	75.951	-0.354	-0.054	-0.102	-0.3615	-90.87
45183_5183	45183	5183	14.28	-0.24	-0.015	-0.039	0.288	-44.994
45183_5184	45183	5184	75.951	-0.354	0.042	0.0195	0.0345	-100.985
45184_5184	45184	5184	42.018	52.7715	-0.006	0.33	-0.4755	1441.457
45184_5185	45184	5185	14.0595	-8.1165	-0.012	-0.276	0.2505	-783.012
45185_5185	45185	5185	40.638	52.0095	0.0225	-0.2925	-0.516	819.3915
45185_5186	45185	5186	14.265	-7.749	0	0.3435	0.1965	-685.89
45186_5186	45186	5186	39.6585	55.305	0.0465	-0.0525	-0.2895	273.2295
45186_5187	45186	5187	14.4915	-6.651	0.018	-0.0945	0.471	-597.671
45187_5187	45187	5187	38.2635	56.28	0.0645	0.1515	0.3255	-450.588
45187_5188	45187	5188	14.6535	-6.2865	0.0255	0.1845	0.7665	-519.818
45188_5188	45188	5188	37.533	61.251	0.0345	0.1125	1.0455	-777.519
45188_5189	45188	5189	14.757	-5.157	0.0075	0.0645	0.8325	-477.332
45189_5189	45189	5189	37.029	6.357	0.0345	0.0795	1.338	-1275.9
45189_5190	45189	5190	14.799	-5.0355	0.0075	0.0495	0.936	-405.542
45190_5190	45190	5190	37.029	21.6285	0.039	0.1275	1.815	-1363.32
45190_5191	45190	5191	14.799	-4.5585	0.0165	0.051	1.11	-355.397
45191_5191	45191	5191	37.029	-7.2345	0.039	0.1275	2.2425	-1601.25
45191_5192	45191	5192	14.799	-4.5585	0.0165	0.051	1.284	-305.253
45192_5192	45192	5192	37.029	-21.6225	-0.006	0.1605	2.6715	-1521.66
45192_5193	45192	5193	14.799	-4.329	0.006	0.048	1.3485	-261.878
45193_5193	45193	5193	37.029	-32.982	-0.0075	0.1455	2.607	-1304.99
45193_5194	45193	5194	14.799	-4.329	0.006	0.045	1.4115	-218.459
45194_5194	45194	5194	37.029	-23.286	0.027	0.1065	2.5395	-974.075
45194_5195	45194	5195	14.799	-4.242	0.006	0.03	1.473	-175.902
45195_5195	45195	5195	37.029	-23.286	0.027	0.1065	2.8095	-740.504
45195_5196	45195	5196	14.799	-4.242	0.006	0.03	1.5345	-133.346
45196_5196	45196	5196	37.029	-17.925	0.0435	0.048	3.081	-506.928
45196_5197	45196	5197	14.7975	-4.2735	0.018	0.012	1.7385	-86.343
45197_5197	45197	5197	37.029	-17.925	0.0435	0.048	3.558	-309.744
45197_5198	45197	5198	14.7975	-4.2735	0.018	0.012	1.944	-39.339
45198_5198	45198	5198	37.029	-15.774	0.0165	0	4.035	-112.557
45198_5199	45198	5199	14.7975	-4.41	0.0105	-0.006	2.097	21.2565
45199_5199	45199	5199	37.1565	-15.474	0.0165	-0.03	4.2585	95.973
45199_5200	45199	5200	14.8335	-4.29	0.0105	-0.0195	2.1885	53.364
45200_5200	45200	5200	37.3815	-14.5875	0.012	0.0285	4.392	223.6635
45200_5201	45200	5201	14.9025	-4.2795	0.0015	0.0045	2.208	103.662
45201_5201	45201	5201	38.4075	-49.4955	0.0135	-0.1005	6.474	-216.774
45201_5202	45201	5202	15.0045	-3.9075	0.006	-0.0765	2.2785	150.7395
45202_5202	45202	5202	39.3405	-48.768	0.015	0.2835	6.7155	303.747
45202_5203	45202	5203	15.1065	-3.696	0.006	0.0405	2.3685	197.07
45203_5203	45203	5203	40.578	-49.0995	0.0435	-0.609	6.84	888.834
45203_5204	45203	5204	15.1965	-3.309	0.018	-0.177	2.583	238.641
45204_5204	45204	5204	15.765	-0.654	0.006	-0.099	2.7105	-97.527
45204_5205	45204	5205	76.6425	1.3635	0.1665	0.114	-9.96	-114.11
45205_5205	45205	5205	15.765	-0.654	0.0225	-0.006	2.766	-86.721
45205_5206	45205	5206	76.6425	1.3635	0.249	0.165	-8.0265	-102.329
45206_5206	45206	5206	15.765	-0.654	0.003	-0.111	2.943	-81.657
45206_5207	45206	5207	76.6425	1.3635	0.15	0.033	-6.861	-112.902
45207_5207	45207	5207	15.765	-0.6525	0.0255	-0.09	2.9625	-76.593
45207_5208	45207	5208	76.6455	1.776	0.174	0.186	-5.466	-127.109
45208_5208	45208	5208	15.765	-0.6525	0.0255	-0.09	3.1665	-71.3775
45208_5209	45208	5209	76.6455	1.776	0.174	0.186	-4.071	-141.317
45209_5209	45209	5209	15.765	-0.6525	0.0255	-0.09	3.372	-66.1605

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45209_5210	45209	5210	76.6455	1.776	0.174	0.186	-2.676	-155.523
45210_5210	45210	5210	15.765	-0.6555	-0.0015	-0.1545	3.576	-60.9435
45210_5211	45210	5211	76.6455	2.3175	0.0765	0.066	-2.22	-169.427
45211_5211	45211	5211	15.765	-0.6555	0.024	-0.0585	3.564	-57.009
45211_5212	45211	5212	76.6455	2.3175	0.204	0.348	-0.9975	-183.33
45212_5212	45212	5212	15.765	-0.6555	-0.0015	-0.147	3.7095	-53.0745
45212_5213	45212	5213	76.6455	2.3175	0.0765	0.042	-0.5415	-197.235
45213_5213	45213	5213	15.765	-0.6555	0.024	-0.066	3.696	-49.1415
45213_5214	45213	5214	76.6455	2.3175	0.204	0.3705	0.6795	-211.139
45214_5214	45214	5214	15.765	-0.6435	0.012	-0.0945	3.8415	-45.207
45214_5215	45214	5215	76.6485	2.6925	0.093	0.333	1.425	-232.679
45215_5215	45215	5215	15.765	-0.6435	-0.0075	-0.1455	3.9435	-40.062
45215_5216	45215	5216	76.6485	2.6925	-0.003	0.042	1.404	-254.217
45216_5216	45216	5216	15.765	-0.6435	0.012	-0.102	3.888	-34.917
45216_5217	45216	5217	76.6485	2.6925	0.093	0.36	2.1495	-275.754
45217_5217	45217	5217	15.7635	-0.6345	0.0555	-0.0495	3.99	-29.7705
45217_5218	45217	5218	76.647	2.8365	0.456	1.266	5.682	-297.698
45218_5218	45218	5218	15.7635	-0.6345	0.0345	-0.0825	4.4205	-24.8565
45218_5219	45218	5219	76.647	2.8365	0.357	0.8775	8.4435	-319.683
45219_5219	45219	5219	15.7635	-0.6345	-0.0615	-0.219	4.692	-23.688
45219_5220	45219	5220	76.6485	2.8365	-0.1125	-1.1025	7.3785	-364.881
45220_5220	45220	5220	43.41	43.8195	0.2295	-1.134	-0.8745	1413.605
45220_5221	45220	5221	17.793	4.455	0.198	-0.3135	-3.6645	209.2275
45221_5221	45221	5221	42.288	38.853	0.135	1.6305	1.638	921.1155
45221_5222	45221	5222	17.6745	4.905	0.1425	0.447	-1.926	147.75
45222_5222	45222	5222	41.526	43.773	0.093	0.81	3.396	434.1975
45222_5223	45222	5223	17.5485	5.2395	0.1215	-0.0165	-0.285	78.249
45223_5223	45223	5223	40.5885	33.123	-0.0315	0.663	4.9305	155.316
45223_5224	45223	5224	17.4135	5.67	0.051	0.294	0.3	17.2365
45224_5224	45224	5224	40.167	32.1705	0.1575	1.3425	4.7415	-72.9495
45224_5225	45224	5225	17.3265	5.814	0.165	0.2355	1.668	-30.735
45225_5225	45225	5225	39.909	32.49	0.0045	-0.0045	6.0555	-338.126
45225_5226	45225	5226	17.28	5.952	0.099	0.1035	3.198	-122.531
45226_5226	45226	5226	39.909	41.547	0.216	3.2805	6.1305	-839.894
45226_5227	45226	5227	17.28	6.0225	0.1455	0.5805	4.926	-193.914
45227_5227	45227	5227	39.9105	32.124	0.048	-2.337	8.6985	-1332.4
45227_5228	45227	5228	17.2815	6.0225	0.0735	-0.237	5.7915	-265.308
45228_5228	45228	5228	39.906	13.6785	0.2625	4.362	9.2715	-1713.1
45228_5229	45228	5229	17.2785	6.3015	0.201	0.9285	8.178	-339.998
45229_5229	45229	5229	39.9075	-13.812	0.093	-3.54	12.375	-1875.27
45229_5230	45229	5230	17.28	6.3015	0.129	-0.5055	9.702	-414.723
45230_5230	45230	5230	39.8985	0.195	0.285	2.994	13.485	-1711.21
45230_5231	45230	5231	17.2785	6.804	0.1545	1.101	11.5845	-497.589
45231_5231	45231	5231	39.9	-55.005	0.1545	-2.6235	16.9605	-1713.58
45231_5232	45231	5232	17.2785	6.804	0.0975	-0.5295	12.777	-580.539
45232_5232	45232	5232	39.8985	-45.072	-0.024	0.759	18.84	-1042.9
45232_5233	45232	5233	17.2815	7.7055	-0.12	1.4415	11.667	-651.263
45233_5233	45233	5233	40.2075	-49.7955	-0.114	-0.291	18.942	-821.043
45233_5234	45233	5234	17.2305	7.818	-0.147	0.3975	10.662	-705.126
45234_5234	45234	5234	40.755	-49.347	-0.2055	-1.602	18.1365	-478.025
45234_5235	45234	5235	17.142	8.0085	-0.186	-1.3575	9.1935	-767.126
45235_5235	45235	5235	41.124	-49.3095	1.59	-0.5655	16.3065	-228.645
45235_5236	45235	5236	17.0055	8.94	0.9855	2.6565	14.5845	-815
45236_5236	45236	5236	41.871	-53.6505	1.5675	-0.2745	25.125	-132.164
45236_5237	45236	5237	16.872	9.195	0.9255	0.0255	22.356	-900.087
45237_5237	45237	5237	42.594	-53.0805	1.485	-0.132	38.4105	321.7605
45237_5238	45237	5238	16.749	9.423	0.891	-2.124	28.1295	-962.291
45238_5238	45238	5238	42.486	-37.611	-1.7475	0.033	48.2745	672.066

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45238_5239	45238	5239	16.4295	13.176	-0.8325	2.319	20.226	-1091.88
45239_5239	45239	5239	44.2905	-40.9935	-1.974	0.915	32.415	930.327
45239_5240	45239	5240	15.7875	13.7775	-0.819	-1.164	10.2825	-1222.86
45240_5240	45240	5240	16.65	0.7995	0.567	0.1065	-16.1535	-33.6255
45240_5241	45240	5241	85.8315	-5.8905	1.536	0.2685	12.36	-419.177
45241_5241	45241	5241	16.653	0.7995	0.498	-0.1095	-9.192	-42.1995
45241_5242	45241	5242	85.8375	-5.8905	1.1835	-1.5465	19.284	-378.285
45242_5242	45242	5242	16.653	0.7995	0.4845	-0.1455	-6.2775	-46.878
45242_5243	45242	5243	85.839	-5.8905	1.1175	-1.8375	26.382	-340.847
45243_5243	45243	5243	16.6695	0.8955	0.183	0.2235	-3.1935	-51.9285
45243_5244	45243	5244	85.908	-4.842	-0.2895	0.2685	23.5335	-293.108
45244_5244	45244	5244	16.6695	0.8955	0.1275	0.0195	-1.3905	-60.7335
45244_5245	45244	5245	85.9065	-4.842	-0.5775	-0.7155	17.874	-245.712
45245_5245	45245	5245	16.6695	0.9225	0.0885	0.2565	-0.1425	-69.4845
45245_5246	45245	5246	85.8675	-4.7385	-0.0015	0.1035	17.865	-197.586
45246_5246	45246	5246	16.6695	0.9225	0.033	-0.0105	0.7605	-78.8355
45246_5247	45246	5247	85.866	-4.7385	-0.2925	-0.5655	15.096	-152.654
45247_5247	45247	5247	16.668	0.933	0.0105	0.2835	1.071	-87.555
45247_5248	45247	5248	85.845	-4.632	-0.072	-0.159	14.43	-109.563
45248_5248	45248	5248	16.668	0.933	-0.0405	-0.015	1.17	-96.2235
45248_5249	45248	5249	85.845	-4.632	-0.3375	-0.4995	10.9395	-61.7055
45249_5249	45249	5249	16.6695	0.93	-0.12	0.282	0.747	-105.836
45249_5250	45249	5250	85.8315	-4.65	-0.2235	-0.3	8.6805	-14.6775
45250_5250	45250	5250	16.6695	0.93	-0.1635	-0.0165	-0.4695	-115.244
45250_5251	45250	5251	85.83	-4.65	-0.447	-0.339	4.434	29.547
45251_5251	45251	5251	16.647	1.0065	0.465	0.7095	-2.0265	-124.059
45251_5252	45251	5252	85.8315	-8.4075	-0.6945	0.5775	0.234	80.4585
45252_5252	45252	5252	16.6485	1.0065	0.4395	0.507	0.786	-130.146
45252_5253	45252	5253	85.83	-8.4075	-0.828	0.7035	-4.947	133.0845
45253_5253	45253	5253	16.6485	1.0065	0.396	0.1575	3.534	-136.605
45253_5254	45253	5254	85.8285	-8.4075	-1.05	1.038	-14.919	212.1105
45254_5254	45254	5254	46.9005	13.266	-0.798	7.854	-19.3935	1072.434
45254_5255	45254	5255	26.25	4.6155	-0.192	1.65	-17.559	320.145
45255_5255	45255	5255	46.737	14.823	0.2055	-1.302	-20.577	1036.428
45255_5256	45255	5256	26.145	4.839	0.396	-0.435	-12.3345	259.2225
45256_5256	45256	5256	46.4235	15.213	0.0555	2.346	-18.036	830.4975
45256_5257	45256	5257	26.0385	5.3865	0.297	0.834	-9.7065	210.072
45257_5257	45257	5257	46.3905	20.5545	0.8895	-1.1325	-17.733	705.702
45257_5258	45257	5258	25.9425	5.505	0.504	-0.369	-6.345	174.2115
45258_5258	45258	5258	46.143	20.1825	0.771	0.3615	-11.6415	563.934
45258_5259	45258	5259	25.8735	5.8245	0.4425	0.123	-3.072	130.863
45259_5259	45259	5259	45.816	20.9205	0.636	1.4175	-5.9175	433.1055
45259_5260	45259	5260	25.7775	6.2385	0.366	0.405	-0.2625	93.897
45260_5260	45260	5260	45.6195	22.4685	0.5085	0.3045	-0.9975	272.3505
45260_5261	45260	5261	25.713	6.3585	0.2685	0.0165	1.3305	56.3145
45261_5261	45261	5261	45.417	22.527	0.3435	0.7845	2.0655	144.042
45261_5262	45261	5262	25.6545	6.591	0.1755	0.2085	2.4555	14.091
45262_5262	45262	5262	45.2775	22.8045	0.291	0.78	4.2675	-3.795
45262_5263	45262	5263	25.614	6.7485	0.147	0.2205	4.2405	-70.1715
45263_5263	45263	5263	45.2775	26.7195	0.414	1.743	7.815	-281.763
45263_5264	45263	5264	25.614	6.7845	0.279	0.483	7.4265	-147.635
45264_5264	45264	5264	45.279	26.7195	0.2835	0.057	12.537	-586.874
45264_5265	45264	5265	25.614	6.7845	0.2055	0.06	9.816	-226.563
45265_5265	45265	5265	45.279	33.966	0.528	3.5265	15.8355	-897.819
45265_5266	45265	5266	25.6155	7.0245	0.321	0.9915	13.5525	-308.481
45266_5266	45266	5266	45.282	30.9855	0.3495	-1.5975	21.996	-1293.86
45266_5267	45266	5267	25.6155	7.0245	0.219	-0.2295	16.0455	-388.521
45267_5267	45267	5267	45.282	30.93	0.369	5.4555	25.9755	-1647.03

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45267_5268	45267	5268	25.617	7.494	0.261	1.635	19.0605	-475.023
45268_5268	45268	5268	45.2835	-24.27	0.1515	-4.125	30.2265	-2003.92
45268_5269	45268	5269	25.6185	7.494	0.1395	-0.636	20.658	-561.252
45269_5269	45269	5269	45.291	-12.987	0.504	4.0875	31.977	-1724.82
45269_5270	45269	5270	25.623	8.271	0.33	2.2215	23.5875	-634.598
45270_5270	45270	5270	45.2925	-12.987	0.372	-0.5685	36.4395	-1609.73
45270_5271	45270	5271	25.623	8.271	0.2565	0.3855	25.8495	-707.586
45271_5271	45271	5271	45.7155	-67.221	0.2745	-4.2075	39.7725	-1503.7
45271_5272	45271	5272	25.5705	8.433	0.198	-1.3695	27.111	-762.795
45272_5272	45272	5272	46.335	-65.439	1.689	1.9215	40.62	-1367.25
45272_5273	45272	5273	25.467	9.489	0.7905	2.7885	32.7255	-829.568
45273_5273	45273	5273	47.064	-64.4655	1.596	-0.456	52.5405	-880.103
45273_5274	45273	5274	25.365	9.7605	0.7395	0.786	37.5465	-893.493
45274_5274	45274	5274	48.153	-64.1355	1.488	-2.334	62.9445	-487.866
45274_5275	45274	5275	25.2015	10.1805	0.675	-1.917	44.9895	-1013.22
45275_5275	45275	5275	48.129	-46.095	-3.126	-1.335	79.719	204.516
45275_5276	45275	5276	24.717	14.175	-1.749	2.6175	28.05	-1153.13
45276_5276	45276	5276	48.954	-45.2055	-3.3105	0.4545	49.113	658.6665
45276_5277	45276	5277	24.4455	14.625	-1.854	-2.6025	9.99	-1292.91
45277_5277	45277	5277	48.996	-39.2505	-1.317	1.4565	14.046	997.377
45277_5278	45277	5278	23.9175	18.294	0.474	0.2925	13.9215	-1434.68
45278_5278	45278	5278	15.3435	1.0575	-0.5445	-0.4305	-5.5125	-30.237
45278_5279	45278	5279	96.864	-8.8275	0.1935	0.459	15.876	-473.321
45279_5279	45279	5279	15.342	1.0575	-0.5895	-0.486	-10.6725	-38.568
45279_5280	45279	5280	96.864	-8.8275	-0.096	-0.9435	15.2505	-404.892
45280_5280	45280	5280	15.3555	1.014	0.303	0.183	-14.5245	-45.4875
45280_5281	45280	5281	96.87	-6.594	0.0765	0.4365	16.143	-328.008
45281_5281	45281	5281	15.3555	1.014	0.2625	0.033	-10.998	-57.3195
45281_5282	45281	5282	96.87	-6.594	-0.177	-0.42	13.95	-246.188
45282_5282	45282	5282	15.36	0.912	0.4125	0.207	-7.743	-77.877
45282_5283	45282	5283	96.8625	-6.42	-0.8895	0.261	2.9235	-216.891
45283_5283	45283	5283	15.3615	0.912	0.366	-0.0705	-2.625	-89.184
45283_5284	45283	5284	96.858	-6.42	-1.191	-0.4125	-10.9935	-141.881
45284_5284	45284	5284	15.3555	1.083	-0.243	0.2385	1.644	-99.858
45284_5285	45284	5285	96.888	-5.811	0.6285	-0.174	-3.909	-76.365
45285_5285	45285	5285	15.354	1.083	-0.279	-0.03	-1.095	-112.073
45285_5286	45285	5286	96.888	-5.811	0.3975	-0.357	0.0885	-17.85
45286_5286	45286	5286	15.348	1.1025	0.159	0.3375	-3.9105	-122.972
45286_5287	45286	5287	96.8925	-7.221	-0.3615	-0.5565	-4.0305	64.551
45287_5287	45287	5287	15.348	1.1025	0.105	-0.129	-2.1045	-135.555
45287_5288	45287	5288	96.891	-7.221	-0.6945	-0.3345	-12	147.3615
45288_5288	45288	5288	15.3525	1.2555	0.2235	0.5475	-0.8955	-148.224
45288_5289	45288	5289	96.8925	-17.0865	-0.6495	-1.509	-14.595	215.7405
45289_5289	45289	5289	15.3525	1.2555	0.201	0.339	-0.0015	-153.945
45289_5290	45289	5290	96.8925	-17.0865	-0.786	-1.239	-22.0635	373.6335
45290_5290	45290	5290	12.801	68.6535	3.306	-2.985	4.734	22.176
45290_5291	45290	5291	1.602	-14.3325	1.878	-1.839	22.68	-1214.86
45291_5291	45291	5291	11.5695	70.62	-3.0285	1.6185	32.3115	-226.638
45291_5292	45291	5292	2.082	-11.8005	-2.112	2.091	0.213	-1098.21
45292_5292	45292	5292	9.855	62.9775	-2.7885	-1.242	-2.094	-576.719
45292_5293	45292	5293	2.3535	-11.748	-2.1225	-2.058	-20.184	-983.978
45293_5293	45293	5293	9.2415	73.0485	0.5625	3.8325	-28.6905	-876.546
45293_5294	45293	5294	2.715	-8.1225	0.465	2.481	-16.9515	-924.885
45294_5294	45294	5294	8.328	26.7135	0.3225	0.4065	-15.5205	119.361
45294_5295	45294	5295	2.862	-8.16	0.4755	0.4335	-13.8105	-874.298
45295_5295	45295	5295	8.0685	22.503	0.2655	0.465	-11.7345	-3.1905
45295_5296	45295	5296	2.952	-8.1285	0.4695	-1.5585	-9.9585	-807.639
45296_5296	45296	5296	8.0625	25.6935	0.2505	1.029	-9.552	-187.799

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45296_5297	45296	5297	2.9535	-6.486	0.246	1.5915	-8.937	-780.809
45297_5297	45297	5297	8.0625	25.6935	0.24	0.7485	-8.514	-296.553
45297_5298	45297	5298	2.9535	-6.486	0.243	0.7425	-6.6885	-721.521
45298_5298	45298	5298	8.064	25.6935	0.222	-0.5235	-6.285	-534.554
45298_5299	45298	5299	2.955	-6.486	0.2355	-0.975	-4.5285	-662.076
45299_5299	45299	5299	8.0625	32.31	0.0225	2.6865	-4.2555	-770.046
45299_5300	45299	5300	2.9535	-5.46	0.042	1.371	-4.0395	-598.413
45300_5300	45300	5300	8.0625	32.31	-0.009	-1.761	-3.9885	-1146.97
45300_5301	45300	5301	2.9535	-5.46	0.03	-0.9495	-3.6615	-530.736
45301_5301	45301	5301	8.064	43.26	0.114	4.2885	-4.0905	-1547.55
45301_5302	45301	5302	2.955	-4.635	0.081	1.008	-2.652	-472.794
45302_5302	45302	5302	8.064	33.834	0.0825	-3.7395	-2.67	-2088.66
45302_5303	45302	5303	2.955	-4.635	0.069	-0.8085	-1.851	-419.294
45303_5303	45303	5303	8.064	15.4185	0.0315	5.7885	-1.7175	-2479.32
45303_5304	45303	5304	2.955	-4.122	0.0675	0.84	-0.969	-365.675
45304_5304	45304	5304	8.064	-10.527	-0.0045	-5.844	-1.317	-2679.95
45304_5305	45304	5305	2.955	-4.122	0.0555	-0.747	-0.3615	-320.132
45305_5305	45305	5305	8.0655	5.6235	0.144	4.686	-1.3635	-2563.98
45305_5306	45305	5306	2.9565	-3.7815	0.105	0.531	0.8955	-274.571
45306_5306	45306	5306	8.0655	-49.5765	0.1185	-3.8715	0.3765	-2631.78
45306_5307	45306	5307	2.9565	-3.7815	0.0945	-0.3615	2.0295	-229.254
45307_5307	45307	5307	8.067	-36.273	0.0735	3.63	1.7925	-2037.48
45307_5308	45307	5308	2.9565	-3.6	0.051	0.4515	2.6385	-186.476
45308_5308	45308	5308	8.0685	-36.273	0.042	-2.73	2.67	-1606.47
45308_5309	45308	5309	2.9565	-3.6	0.039	-0.2865	3.12	-142.65
45309_5309	45309	5309	8.0715	-27.7065	0.3675	1.9545	3.1785	-1165.02
45309_5310	45309	5310	2.9655	-3.4065	0.801	0.216	12.777	-101.616
45310_5310	45310	5310	8.073	-27.7065	0.3375	-1.1265	7.6035	-831.203
45310_5311	45310	5311	2.9685	-3.4065	0.7905	-0.162	22.2615	-60.7425
45311_5311	45311	5311	8.067	-23.4975	-0.48	0.1635	11.649	-498.827
45311_5312	45311	5312	2.9535	-3.3315	-0.9435	-0.234	10.371	-18.7665
45312_5312	45312	5312	8.0655	-23.4975	-0.5175	-0.789	5.6055	-202.745
45312_5313	45312	5313	2.949	-3.3315	-0.957	-0.321	0	17.316

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
5000_5000	5000	5000	-0.747	-3.4605	-0.0045	-0.027	0	-2.493	1
5000_5001	5000	5001	-3.645	3.594	-0.0615	0.018	-0.777	-27.9555	1
5001_5001	5001	5001	-72.6045	19.9185	-0.0495	-0.087	-0.6165	-557.946	1
5001_5002	5001	5002	-6.648	3.7485	-0.0465	0.0135	-1.05	-51.57	1
5002_5002	5002	5002	-108.707	16.9605	0.063	0.1485	-1.3305	-833.096	1
5002_5003	5002	5003	-10.4775	3.855	0.0465	0.018	-0.36	-80.886	1
5003_5003	5003	5003	-144.992	-1.842	0.0675	-0.2055	-0.591	-1108.75	1
5003_5004	5003	5004	-14.3265	3.8775	0.0405	-0.0105	0.1905	-110.366	1
5004_5004	5004	5004	-163.695	0.9705	-0.0075	0.102	0.279	-1251.4	1
5004_5005	5004	5005	-18.1695	3.8595	-0.0045	0.018	0.1365	-139.479	1
5005_5005	5005	5005	-182.112	-9.879	-0.009	-0.1695	0.216	-1391.42	1
5005_5006	5005	5006	-22.014	3.8595	-0.0045	-0.0105	0.081	-168.614	1
5006_5006	5006	5006	-187.518	-3.894	0.0075	0.2355	0.123	-1432.52	1
5006_5007	5006	5007	-25.8885	3.894	0.0045	0.036	0.126	-197.978	1
5007_5007	5007	5007	-197.387	-14.187	0.0075	-0.294	0.234	-1507.22	1
5007_5008	5007	5008	-29.763	3.897	0.003	-0.036	0.171	-227.417	1
5008_5008	5008	5008	-195.779	-7.6965	-0.0045	0.2445	0.348	-1494.84	1
5008_5009	5008	5009	-33.717	3.972	-0.0015	0.0435	0.1575	-257.39	1
5009_5009	5009	5009	-199.619	-17.883	-0.0045	-0.2925	0.309	-1523.68	1
5009_5010	5009	5010	-37.6815	3.993	-0.0015	-0.051	0.144	-287.768	1
5010_5010	5010	5010	-192.504	-11.6325	0.009	-0.0135	0.261	-1469.47	1
5010_5011	5010	5011	-41.8155	4.1535	0.003	-0.006	0.177	-319.104	1
5011_5011	5011	5011	-192.356	-40.875	0.009	-0.015	0.3555	-1468.61	1
5011_5012	5011	5012	-45.9495	4.1535	0.003	-0.006	0.21	-350.433	1
5012_5012	5012	5012	-181.229	-35.3535	-0.0195	0.0705	0.4605	-1383.99	1
5012_5013	5012	5013	-50.3985	4.467	0	0.021	0.201	-384.15	1
5013_5013	5013	5013	-175.395	-45.2235	-0.0195	-0.1245	0.2295	-1339.49	1
5013_5014	5013	5014	-54.852	4.485	-0.0015	-0.0405	0.186	-417.996	1
5014_5014	5014	5014	-158.796	-42.5025	0.036	0.0405	0.015	-1213.41	1
5014_5015	5014	5015	-61.3215	4.887	0.006	0.021	0.2955	-467.03	1
5015_5015	5015	5015	-152.496	-54.18	0.021	-0.0675	0.3795	-1097.39	1
5015_5016	5015	5016	-68.844	4.743	0.0045	-0.03	0.2445	-505.683	1
5016_5016	5016	5016	-133.059	-29.472	-0.012	0.033	0.4785	-986.141	1
5016_5017	5016	5017	-68.349	5.5395	-0.0045	0.024	0.1935	-557.988	1
5017_5017	5017	5017	-104.493	-39.3405	-0.012	-0.0615	0.3015	-883.979	1
5017_5018	5017	5018	-62.1285	5.5185	-0.0045	-0.0405	0.123	-628.025	1
5018_5018	5018	5018	-64.347	-43.461	0.003	0.0105	0.135	-687.354	1
5018_5019	5018	5019	-55.152	6.399	0.0045	0.033	0.18	-704.49	1
5019_5019	5019	5019	-31.95	-52.71	0.0015	-0.045	0.1455	-478.188	1
5019_5020	5019	5020	-58.5105	45.0315	0.003	-0.015	-0.3075	-877.008	1
5020_5020	5020	5020	-93.8685	-9.684	-0.027	0.006	0.702	-315.165	1
5020_5021	5020	5021	-36.1545	-26.9865	0.006	0.0135	0.0465	-346.127	1
5021_5021	5021	5021	-102.512	-14.6595	-0.018	0.0075	0.33	-414.993	1
5021_5022	5021	5022	-21.0015	-22.449	0.0045	0.0045	0.099	-226.641	1
5022_5022	5022	5022	-108.654	-11.961	-0.0105	-0.0405	0.159	-516.915	1
5022_5023	5022	5023	-6.9195	-1.026	-0.0015	-0.0105	0.201	-93.921	1
5023_5023	5023	5023	-112.466	-11.5425	-0.006	-0.0135	0.066	-576.09	1
5023_5024	5023	5024	-6.216	-0.942	-0.003	-0.0045	0.1755	-89.202	1
5024_5024	5024	5024	-117.936	-18.075	-0.009	0.0705	0.0075	-644.355	1
5024_5025	5024	5025	-5.5125	-0.942	-0.0015	0.0075	0.1605	-84.4875	1
5025_5025	5025	5025	-119.496	-25.3185	-0.0015	-0.0915	-0.06	-682.838	1
5025_5026	5025	5026	-4.8075	-0.942	-0.0045	-0.0135	0.126	-79.7685	1
5026_5026	5026	5026	-117.615	-21.483	-0.0045	0.0105	-0.0705	-691.448	1
5026_5027	5026	5027	-4.2975	-0.9105	-0.0045	-0.0015	0.102	-76.347	1
5027_5027	5027	5027	-119.885	-26.9385	-0.003	0.027	-0.093	-718.842	1
5027_5028	5027	5028	-3.7875	-0.909	-0.0045	0	0.0795	-74.4225	1
5028_5028	5028	5028	-120.204	-32.82	-0.003	0.0195	-0.1035	-729.446	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5028_5029	5028	5029	-3.2775	-0.909	-0.0045	-0.0015	0.054	-71.007	1
5029_5029	5029	5029	-117.756	-24.093	0.003	-0.0855	-0.081	-714.525	1
5029_5030	5029	5030	-2.769	-0.906	-0.006	-0.012	0.0195	-69.486	1
5030_5030	5030	5030	-114.653	-17.847	0.003	0.0465	-0.0525	-685.589	1
5030_5031	5030	5031	-3.1035	0.6915	0.003	0	0.0045	29.079	1
5031_5031	5031	5031	-115.316	-25.6995	0.006	-0.0255	-0.015	-675.026	1
5031_5032	5031	5032	-3.6585	0.774	0.0045	0.003	0.042	28.029	1
5032_5032	5032	5032	-112.329	-32.949	0.0075	-0.0195	0.054	-634.578	1
5032_5033	5032	5033	-4.2735	0.867	0.0045	0.0045	0.0855	26.253	1
5033_5033	5033	5033	-105.344	-32.469	0.0105	0.0075	0.1425	-564.575	1
5033_5034	5033	5034	-17.928	23.1315	-0.0045	0.012	0.129	-217.536	1
5034_5034	5034	5034	-99.969	-39.063	0.012	0.0105	0.2565	-503.714	1
5034_5035	5034	5035	-36.4935	27.774	-0.0045	0.012	0.054	-326.561	1
5035_5035	5035	5035	-89.9205	-36.501	0.0255	-0.0285	0.5505	-404.703	1
5035_5036	5035	5036	-61.404	38.025	-0.009	-0.024	-0.1245	-524.424	1
5036_5036	5036	5036	-18.939	-3.9135	0	0.0105	-0.2805	-184.344	1
5036_5037	5036	5037	-77.676	-29.8935	-0.009	0.084	-0.7185	-652.808	1
5037_5037	5037	5037	-21.144	-1.0875	-0.003	-0.06	0.264	-437.592	1
5037_5038	5037	5038	-66.0195	-23.4165	-0.0015	-0.111	-0.699	-428.93	1
5038_5038	5038	5038	-45.2175	-4.236	0.0075	0.072	0.267	-623.322	1
5038_5039	5038	5039	-50.6535	-18	0.0015	0.0075	-0.624	-244.385	1
5039_5039	5039	5039	-76.7685	-13.8495	0.003	-0.075	0.417	-781.775	1
5039_5040	5039	5040	-41.55	-6.675	0.006	-0.0435	0.492	-409.863	1
5040_5040	5040	5040	-94.851	-11.547	-0.012	0.0405	0.507	-852.437	1
5040_5041	5040	5041	-38.6475	-5.5605	-0.0105	0.021	0.4005	-377.568	1
5041_5041	5041	5041	-121.713	-19.2255	-0.0075	-0.0165	0.2025	-857.72	1
5041_5042	5041	5042	-36.1845	-5.376	-0.006	-0.006	0.099	-294.596	1
5042_5042	5042	5042	-130.307	-15.942	0.003	-0.0015	0.1125	-914.939	1
5042_5043	5042	5043	-30.6165	-4.686	0.0015	0	0.123	-258.329	1
5043_5043	5043	5043	-143.348	-25.866	0.003	0	0.147	-993.593	1
5043_5044	5043	5044	-25.107	-4.602	0.0015	0	0.1455	-221.654	1
5044_5044	5044	5044	-146.817	-3.3135	-0.0015	-0.0045	0.186	-1002.94	1
5044_5045	5044	5045	-20.583	4.0005	-0.0015	0.0015	0.0975	-128.174	1
5045_5045	5045	5045	-157.416	-14.5905	0	0.003	0.171	-1063.33	1
5045_5046	5045	5046	-25.5135	4.2765	-0.0015	0.0015	0.0885	-165.278	1
5046_5046	5046	5046	-154.322	-8.4585	0	0.066	0.171	-1041.86	1
5046_5047	5046	5047	-30.684	4.4085	0	0.0135	0.09	-199.578	1
5047_5047	5047	5047	-158.363	-19.704	-0.003	-0.075	0.159	-1064.6	1
5047_5048	5047	5048	-35.9625	4.4715	0	-0.0135	0.087	-233.772	1
5048_5048	5048	5048	-149.529	-13.599	-0.003	0.063	0.126	-1009.8	1
5048_5049	5048	5049	-41.475	4.6755	0	0.018	0.081	-270.153	1
5049_5049	5049	5049	-147.386	-24.7935	-0.0045	-0.075	0.093	-995.477	1
5049_5050	5049	5050	-47.055	4.731	-0.0015	-0.021	0.0675	-306.159	1
5050_5050	5050	5050	-134.712	-19.2315	0.003	0.0285	0.03	-915.584	1
5050_5051	5050	5051	-55.0305	5.1645	-0.0015	0.015	0.0345	-357.392	1
5051_5051	5051	5051	-119.243	-33.2625	0.0015	-0.0945	0.081	-889.914	1
5051_5052	5051	5052	-54.966	5.0835	-0.003	-0.0405	0.018	-399.231	1
5052_5052	5052	5052	-105.255	-27.4245	0.0015	0.063	0.087	-815.333	1
5052_5053	5052	5053	-55.7685	5.604	0.0015	0.045	0.0375	-449.195	1
5053_5053	5053	5053	-76.0395	-37.482	0	-0.144	0.105	-799.091	1
5053_5054	5053	5054	-60.8925	23.376	0.0045	-0.0165	-0.1965	-409.164	1
5054_5054	5054	5054	-45.735	-41.7885	0	0.0315	0.1035	-635.504	1
5054_5055	5054	5055	-70.773	27.954	0.0015	0.099	-0.183	-635.94	1
5055_5055	5055	5055	-26.7945	2.67	0.0015	-0.009	-0.0315	-131.937	1
5055_5056	5055	5056	-79.728	38.7495	0.006	-0.069	-0.132	-941.466	1
5056_5056	5056	5056	-84.231	-9.648	-0.012	-0.003	0.333	-316.242	1
5056_5057	5056	5057	-26.949	-26.4795	0.0045	-0.0045	0.0015	-309.333	1
5057_5057	5057	5057	-95.3415	-6.3825	-0.0105	0.042	0.171	-466.917	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5057_5058	5057	5058	-11.271	-22.128	0.0045	0.0195	0.0525	-203.019	1
5058_5058	5058	5058	-103.481	-12.531	-0.006	-0.084	0.081	-559.121	1
5058_5059	5058	5059	-8.061	-0.846	0	-0.018	0.1215	-89.472	1
5059_5059	5059	5059	-108.06	-12.06	-0.0105	0.162	0.0315	-626.22	1
5059_5060	5059	5060	-7.518	-0.786	0	0.0195	0.1215	-85.3455	1
5060_5060	5060	5060	-114.029	-18.6975	-0.003	-0.111	-0.0525	-701.937	1
5060_5061	5060	5061	-7.695	0.6885	0.0045	-0.0015	0.0975	-74.424	1
5061_5061	5061	5061	-116.184	-26.04	-0.003	-0.096	-0.078	-745.152	1
5061_5062	5061	5062	-8.1735	0.7065	0.0045	-0.0015	0.132	-74.2815	1
5062_5062	5062	5062	-114.929	-21.921	-0.003	0.0795	-0.099	-755.52	1
5062_5063	5062	5063	-8.559	0.7425	0.003	0.0195	0.15	-77.205	1
5063_5063	5063	5063	-117.41	-27.3825	-0.0015	0.111	-0.108	-785.657	1
5063_5064	5063	5064	-8.9415	0.7425	0.003	0.021	0.1695	-80.1225	1
5064_5064	5064	5064	-117.996	-33.255	0.0015	-0.1335	-0.1125	-797.709	1
5064_5065	5064	5065	-9.327	0.7425	0.003	-0.0045	0.1875	-83.0445	1
5065_5065	5065	5065	-116.862	-24.216	0.003	-0.1065	-0.078	-784.656	1
5065_5066	5065	5066	-9.711	0.7425	0.003	-0.0045	0.204	-85.9665	1
5066_5066	5066	5066	-114.11	-17.61	0.003	0.0465	-0.057	-753.585	1
5066_5067	5066	5067	-10.254	0.789	0.0015	0.015	0.216	-88.1445	1
5067_5067	5067	5067	-115.029	-25.5165	0.003	0.051	-0.027	-742.238	1
5067_5068	5067	5068	-10.7985	0.789	0.0015	0.015	0.2325	-92.2755	1
5068_5068	5068	5068	-112.563	-32.8395	0.006	-0.1125	0.009	-698.405	1
5068_5069	5068	5069	-11.343	0.789	0.0015	-0.0075	0.246	-96.4125	1
5069_5069	5069	5069	-106.349	-32.154	0.0045	0.0915	0.078	-622.661	1
5069_5070	5069	5070	-11.9235	0.87	-0.0015	0.027	0.2355	-99.2145	1
5070_5070	5070	5070	-101.631	-38.901	0.0105	-0.03	0.1335	-556.325	1
5070_5071	5070	5071	-27.6735	26.6145	-0.003	0	0.045	-316.668	1
5071_5071	5071	5071	-93.1605	-45.057	0.015	-0.063	0.276	-465.122	1
5071_5072	5071	5072	-51.8745	34.578	-0.006	-0.0255	-0.048	-496.8	1
5072_5072	5072	5072	-17.4825	-0.1665	-0.003	0.045	0.2505	-198.413	1
5072_5073	5072	5073	-63.276	-30.804	-0.003	0.0645	-0.39	-565.398	1
5073_5073	5073	5073	-23.49	-1.0635	-0.0045	-0.0585	0.204	-454.269	1
5073_5074	5073	5074	-51.4215	-21.0345	0	-0.0915	-0.3495	-356.319	1
5074_5074	5074	5074	-47.277	-4.3185	0	0.1215	0.1815	-645.608	1
5074_5075	5074	5075	-50.5215	-5.1705	-0.003	0.1005	0.1845	-479.82	1
5075_5075	5075	5075	-86.8275	-14.109	-0.0045	-0.0945	0.1395	-766.685	1
5075_5076	5075	5076	-55.632	-5.052	-0.003	-0.0555	0.1095	-405.647	1
5076_5076	5076	5076	-106.652	-11.5185	0.003	0.0705	0.102	-838.103	1
5076_5077	5076	5077	-53.31	-4.5675	0.003	0.036	0.129	-379.935	1
5077_5077	5077	5077	-111.645	-18.597	0.0015	-0.075	0.189	-935.792	1
5077_5078	5077	5078	-43.581	-4.4445	0.0045	-0.0285	0.2445	-333.02	1
5078_5078	5078	5078	-121.58	1.7175	0.0045	0.159	0.201	-1005.9	1
5078_5079	5078	5079	-39.4695	-4.137	-0.003	0.0465	0.222	-297.848	1
5079_5079	5079	5079	-136.322	-8.772	0	-0.1785	0.2445	-1107.99	1
5079_5080	5079	5080	-35.46	-4.017	-0.003	-0.0465	0.189	-263.132	1
5080_5080	5080	5080	-140.595	-2.598	0	0.1815	0.2535	-1134.84	1
5080_5081	5080	5081	-31.6845	-3.8025	-0.0015	0.036	0.177	-229.893	1
5081_5081	5081	5081	-150.599	-13.0335	-0.0045	-0.1875	0.249	-1204.35	1
5081_5082	5081	5082	-28.0425	-3.669	-0.0015	-0.036	0.1635	-197.427	1
5082_5082	5082	5082	-149.922	-6.303	0.0015	0.0015	0.1965	-1197.83	1
5082_5083	5082	5083	-24.3705	-3.3915	-0.0015	-0.0015	0.1425	-160.596	1
5083_5083	5083	5083	-155.352	-17.5065	0.0015	-0.0045	0.204	-1237.12	1
5083_5084	5083	5084	-27.18	3.804	0	0	0.1335	-209.735	1
5084_5084	5084	5084	-149.27	-28.8285	0	0.1485	0.219	-1193.07	1
5084_5085	5084	5085	-30.978	3.945	0.0015	0.0375	0.147	-241.703	1
5085_5085	5085	5085	-149.711	-38.8275	-0.0045	-0.1995	0.216	-1196.24	1
5085_5086	5085	5086	-34.851	4.0095	0	-0.0405	0.153	-273.071	1
5086_5086	5086	5086	-139.442	-32.9445	-0.0045	0.1395	0.1695	-1123.12	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5086_5087	5086	5087	-38.91	4.197	-0.003	0.0495	0.1275	-304.994	1
5087_5087	5087	5087	-135.117	-42.984	-0.009	-0.183	0.1185	-1094.15	1
5087_5088	5087	5088	-43.0275	4.2495	-0.003	-0.051	0.09	-337.508	1
5088_5088	5088	5088	-121.52	-20.637	0.006	0.0645	0.0285	-1000.75	1
5088_5089	5088	5089	-48.429	4.5495	0.0015	0.03	0.1095	-379.161	1
5089_5089	5089	5089	-110.159	-32.9025	0.0015	-0.1485	0.0885	-976.722	1
5089_5090	5089	5090	-49.548	4.521	0.0015	-0.063	0.105	-425.906	1
5090_5090	5090	5090	-96.5115	-27.0615	0.003	0.1305	0.105	-892.146	1
5090_5091	5090	5091	-49.662	5.106	0.0015	0.09	0.1245	-476.271	1
5091_5091	5091	5091	-75.021	-37.2735	-0.0015	-0.15	0.123	-824.634	1
5091_5092	5091	5092	-51.825	22.431	0.0075	-0.0135	-0.216	-376.662	1
5092_5092	5092	5092	-43.9545	-41.4045	0.003	0.012	0.1065	-647.543	1
5092_5093	5092	5093	-61.968	29.4465	0.003	0.0495	-0.201	-587.649	1
5093_5093	5093	5093	-18.8445	3.108	0.0015	-0.003	0.003	-125.337	1
5093_5094	5093	5094	-71.8755	38.6205	0.0045	-0.024	-0.162	-885.165	1
5094_5094	5094	5094	-81.654	-9.588	-0.015	0.0195	0.3555	-318.809	1
5094_5095	5094	5095	-25.785	-25.833	0	0.024	0.036	-310.02	1
5095_5095	5095	5095	-89.3115	-6.372	-0.012	0.0165	0.222	-477.365	1
5095_5096	5095	5096	-9.939	-0.756	0	0	0.1605	-89.8815	1
5096_5096	5096	5096	-96.6735	-12.6645	-0.003	-0.1095	0.1245	-572.36	1
5096_5097	5096	5097	-9.468	-0.756	0	-0.021	0.1665	-85.9065	1
5097_5097	5097	5097	-100.607	-11.955	-0.0045	0.0315	0.0915	-640.547	1
5097_5098	5097	5098	-9.0195	-0.7005	-0.0075	0.0015	0.111	-82.104	1
5098_5098	5098	5098	-106.01	-18.7065	-0.0045	0.042	0.048	-719.139	1
5098_5099	5098	5099	-8.5695	-0.7005	-0.0075	0.0015	0.0555	-78.3015	1
5099_5099	5099	5099	-107.826	-26.2035	0	-0.1275	0.015	-763.545	1
5099_5100	5099	5100	-8.121	-0.7005	-0.0075	-0.018	-0.0015	-74.5035	1
5100_5100	5100	5100	-106.41	-21.636	0.0015	-0.192	0.012	-772.929	1
5100_5101	5100	5101	-7.7985	-0.6675	-0.0015	-0.027	-0.009	-71.7825	1
5101_5101	5101	5101	-108.795	-27.1695	0.006	-0.4815	0.0225	-805.167	1
5101_5102	5101	5102	-7.4775	-0.6675	-0.0015	-0.051	-0.0165	-69.0615	1
5102_5102	5102	5102	-109.401	-33.1425	-0.009	0.528	0.0585	-818.385	1
5102_5103	5102	5103	-7.155	-0.6675	0	0.0405	-0.021	-66.342	1
5103_5103	5103	5103	-108.501	-24.4065	-0.0015	0.2205	0.048	-805.463	1
5103_5104	5103	5104	-7.0305	0.777	0.006	0.033	0.174	-85.113	1
5104_5104	5104	5104	-106.01	-17.2725	0	0.114	0.048	-773.268	1
5104_5105	5104	5105	-7.548	0.8055	0.0045	0.021	0.2115	-89.493	1
5105_5105	5105	5105	-107.274	-25.371	0.003	-0.054	0.06	-763.833	1
5105_5106	5105	5106	-8.0655	0.8055	0.0045	0	0.246	-93.867	1
5106_5106	5106	5106	-105.306	-32.8665	0.0045	-0.0465	0.1035	-719.399	1
5106_5107	5106	5107	-8.583	0.8055	0.0045	0	0.279	-98.247	1
5107_5107	5107	5107	-99.741	-31.9395	0.006	0.021	0.1605	-640.68	1
5107_5108	5107	5108	-9.3195	22.338	0	0.0255	0.084	-206.555	1
5108_5108	5108	5108	-95.6715	-38.8995	0.006	0.0315	0.2295	-572.369	1
5108_5109	5108	5109	-23.946	25.848	0	0.027	0.0525	-317.447	1
5109_5109	5109	5109	-90.573	-45.084	0.012	-0.0495	0.2775	-465.438	1
5109_5110	5109	5110	-48.6915	33.609	-0.003	-0.0315	-0.0345	-486.002	1
5110_5110	5110	5110	-16.851	-2.106	-0.0015	0.009	-0.078	-122.631	1
5110_5111	5110	5111	-62.877	-29.1045	-0.0045	0.069	-0.411	-581.522	1
5111_5111	5111	5111	-23.4525	-1.314	-0.0045	-0.057	0.207	-460.404	1
5111_5112	5111	5112	-52.7805	-19.4985	0	-0.0855	-0.3735	-378.848	1
5112_5112	5112	5112	-46.431	-4.476	0.006	0.0705	0.162	-650.607	1
5112_5113	5112	5113	-48.8175	-5.532	0.0015	0.0615	0.276	-486.848	1
5113_5113	5113	5113	-77.3985	-14.73	0.0015	-0.0975	0.2055	-809.933	1
5113_5114	5113	5114	-49.401	-5.3745	0.0015	-0.0585	0.234	-427.47	1
5114_5114	5114	5114	-93.942	-12.1695	-0.0105	0.0285	0.255	-877.655	1
5114_5115	5114	5115	-47.046	-4.9095	-0.0045	0.0165	0.1875	-395.544	1
5115_5115	5115	5115	-118.235	-19.134	-0.009	-0.009	0.1455	-858.827	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5115_5116	5115	5116	-45.4215	-4.941	-0.0045	-0.0045	0.0945	-313.28	1
5116_5116	5116	5116	-125.303	-16.0995	0.0075	0.045	0.0015	-908.442	1
5116_5117	5116	5117	-40.6035	-4.563	0.0015	0.0165	0.114	-279.719	1
5117_5117	5117	5117	-136.95	-25.773	0.0075	-0.0555	0.0885	-983.252	1
5117_5118	5117	5118	-35.85	-4.4775	0.0015	-0.015	0.126	-245.735	1
5118_5118	5118	5118	-139.496	-2.994	-0.006	0.0525	0.1695	-992.528	1
5118_5119	5118	5119	-31.2825	-4.3335	-0.0015	0.0105	0.105	-214.286	1
5119_5119	5119	5119	-149.265	-13.812	-0.0075	-0.06	0.102	-1053.68	1
5119_5120	5119	5120	-26.82	-4.1775	-0.0015	-0.0135	0.084	-179.642	1
5120_5120	5120	5120	-147.188	-6.669	0.0045	0.156	0.0225	-1040.2	1
5120_5121	5120	5121	-22.2435	-3.9225	-0.0015	0.021	0.0735	-143.058	1
5121_5121	5121	5121	-153.086	-34.1835	0	-0.171	0.078	-1078.13	1
5121_5122	5121	5122	-17.961	-3.645	-0.0015	-0.0225	0.0615	-107.834	1
5122_5122	5122	5122	-145.475	-28.3005	-0.0015	0.0435	0.0765	-1029.26	1
5122_5123	5122	5123	-20.4195	2.6025	0	0.0075	0.0345	-144.639	1
5123_5123	5123	5123	-145.19	-38.6085	-0.003	-0.0615	0.0525	-1028.74	1
5123_5124	5123	5124	-23.2065	2.7585	0	-0.009	0.0405	-170.253	1
5124_5124	5124	5124	-133.019	-32.4675	0	0.0795	0.018	-953.469	1
5124_5125	5124	5125	-26.244	2.961	0	0.021	0.033	-194.042	1
5125_5125	5125	5125	-127.673	-42.8205	-0.003	-0.108	0.0225	-922.995	1
5125_5126	5125	5126	-29.391	3.0555	-0.0015	-0.024	0.015	-218.913	1
5126_5126	5126	5126	-111.653	-21.033	0	0.0375	-0.021	-830.507	1
5126_5127	5126	5127	-33.7005	3.4635	0	0.015	0.0165	-252.063	1
5127_5127	5127	5127	-105.641	-33.408	-0.003	-0.0555	-0.0345	-779.91	1
5127_5128	5127	5128	-39.891	12.561	0	-0.003	-0.0345	-156.974	1
5128_5128	5128	5128	-90.7485	-27.0915	0.0015	0.048	-0.045	-702.945	1
5128_5129	5128	5129	-53.0925	17.0415	0	0.0285	-0.057	-271.206	1
5129_5129	5129	5129	-62.5725	-37.5045	-0.0045	-0.117	-0.072	-687.573	1
5129_5130	5129	5130	-63.804	24.9045	0.0045	-0.033	-0.015	-468.491	1
5130_5130	5130	5130	-33.7365	-40.296	0.0165	0.0165	-0.1485	-523.998	1
5130_5131	5130	5131	-73.887	30.855	-0.003	0.0435	-0.027	-687.363	1
5131_5131	5131	5131	-21.603	3.603	0.0015	-0.0105	0.048	-170.592	1
5131_5132	5131	5132	-82.932	40.6305	-0.003	-0.0405	-0.081	-982.632	1
5132_5132	5132	5132	-79.9665	-8.796	0.0135	-0.0885	0.0195	-258.242	1
5132_5133	5132	5133	-29.8785	-24.4845	-0.0015	-0.0855	-0.051	-304.07	1
5133_5133	5133	5133	-91.233	-5.823	0.015	-0.2025	0.108	-391.896	1
5133_5134	5133	5134	-16.2195	-20.907	-0.0045	-0.1095	-0.0795	-188.517	1
5134_5134	5134	5134	-99.612	-12.2595	-0.0285	0.4695	0.1965	-477.195	1
5134_5135	5134	5135	-8.289	0.348	-0.0075	0.039	-0.0465	-42.1035	1
5135_5135	5135	5135	-104.244	-10.6605	0.0045	0.03	-0.0465	-538.739	1
5135_5136	5135	5136	-8.622	0.4575	0.0015	0.0015	-0.036	-47.3475	1
5136_5136	5136	5136	-111.206	-17.5785	0.009	-0.0525	-0.0105	-614.576	1
5136_5137	5136	5137	-8.9595	0.4575	0.0015	-0.0045	-0.0225	-49.6515	1
5137_5137	5137	5137	-113.685	-25.26	0.0045	0.042	0.054	-657.128	1
5137_5138	5137	5138	-9.297	0.4755	0.0015	0.003	-0.0105	-53.109	1
5138_5138	5138	5138	-112.074	-20.445	-0.0045	0.057	0.09	-665.999	1
5138_5139	5138	5139	-9.585	0.5295	0	0.0045	-0.012	-56.472	1
5139_5139	5139	5139	-115.032	-26.118	-0.0015	-0.0675	0.0615	-697.889	1
5139_5140	5139	5140	-9.891	0.573	0	-0.006	-0.012	-61.239	1
5140_5140	5140	5140	-115.794	-32.268	-0.003	0.0675	0.0495	-711.69	1
5140_5141	5140	5141	-10.2075	0.573	0	0.006	-0.012	-63.405	1
5141_5141	5141	5141	-113.501	-24.849	0	-0.0675	0.0255	-703.479	1
5141_5142	5141	5142	-10.533	0.6165	0	-0.0075	-0.0135	-68.598	1
5142_5142	5142	5142	-110.034	-17.3625	0	0.003	0.021	-673.43	1
5142_5143	5142	5143	-11.0295	0.6735	0	0	-0.009	-72.255	1
5143_5143	5143	5143	-110.93	-25.6575	0	0.003	0.03	-666.717	1
5143_5144	5143	5144	-11.559	0.7515	0	0	-0.006	-80.736	1
5144_5144	5144	5144	-107.744	-33.3495	0	0.003	0.0345	-626.162	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5144_5145	5144	5145	-12.1485	0.8085	0	0	-0.0015	-88.5165	1
5145_5145	5145	5145	-100.103	-32.487	-0.0015	-0.012	0.0375	-552.167	1
5145_5146	5145	5146	-14.3505	21.255	0.003	-0.0165	0.0015	-197.514	1
5146_5146	5146	5146	-94.176	-39.5835	-0.0015	-0.015	0.021	-488.037	1
5146_5147	5146	5147	-31.5375	27.318	0.003	-0.015	0.0195	-296.519	1
5147_5147	5147	5147	-83.103	-46.1445	-0.006	0.054	0.0075	-405.183	1
5147_5148	5147	5148	-56.2815	37.5165	0.0045	0.0345	0.0525	-487.521	1
5148_5148	5148	5148	-29.2005	-2.3505	0	0.0105	0.0105	-183.009	1
5148_5149	5148	5149	-84.336	-26.5365	0	0.042	-0.0465	-616.43	1
5149_5149	5149	5149	-29.61	-2.97	0	-0.012	0.003	-154.871	1
5149_5150	5149	5150	-74.544	-18.711	0.003	-0.039	-0.003	-411.615	1
5150_5150	5150	5150	-36.6165	-4.9755	0	0.0135	0.003	-577.091	1
5150_5151	5150	5151	-62.1165	-14.031	-0.0015	0.0045	-0.0195	-243.881	1
5151_5151	5151	5151	-72.822	-14.778	0	-0.006	0	-673.175	1
5151_5152	5151	5152	-50.463	-11.6475	0	-0.003	-0.0165	-136.182	1
5152_5152	5152	5152	-88.26	-12.2685	0	0.0015	-0.0015	-722.384	1
5152_5153	5152	5153	-41.64	-10.2915	0	0	-0.015	-81.534	1
5153_5153	5153	5153	-107.091	-19.0245	0	0.0015	0.0015	-748.773	1
5153_5154	5153	5154	-31.686	-5.0745	0	0	0.051	-235.616	1
5154_5154	5154	5154	-111.986	-16.503	0	0.0015	0.0075	-785.546	1
5154_5155	5154	5155	-26.238	-4.6965	0	0	0.0465	-198.843	1
5155_5155	5155	5155	-122.205	-26.238	0	0.0015	0.0105	-847.218	1
5155_5156	5155	5156	-20.9985	-4.4745	0	0	0.042	-162.101	1
5156_5156	5156	5156	-122.682	-21.5745	0.0015	0.0015	0.0135	-850.995	1
5156_5157	5156	5157	-16.554	-4.074	0	0	0.042	-126.374	1
5157_5157	5157	5157	-128.685	-30.8145	0.0015	0.003	0.0255	-885.239	1
5157_5158	5157	5158	-12.567	-3.591	0	0	0.0405	-92.079	1
5158_5158	5158	5158	-125.126	-25.344	-0.003	-0.024	0.0405	-864.806	1
5158_5159	5158	5159	-14.8905	3.114	0	-0.003	0.048	-101.121	1
5159_5159	5159	5159	-127.991	-19.734	0	0.03	0.0195	-882.282	1
5159_5160	5159	5160	-18.2625	3.42	0	0.0045	0.0525	-129.507	1
5160_5160	5160	5160	-121.685	-13.632	-0.0015	0.0015	0.0285	-846.827	1
5160_5161	5160	5161	-22.4085	3.786	0	0	0.051	-164.129	1
5161_5161	5161	5161	-120.845	-24.3045	-0.0015	0.0015	0.018	-841.58	1
5161_5162	5161	5162	-28.368	8.208	0	0	-0.021	-19.134	1
5162_5162	5162	5162	-110.31	-19.212	0.0045	0.0135	0	-778.703	1
5162_5163	5162	5163	-42.4935	11.208	0	0.0015	-0.021	-88.1445	1
5163_5163	5163	5163	-99.5415	-31.7535	0.003	-0.0285	0.0735	-762.422	1
5163_5164	5163	5164	-51.7275	13.2675	0.0015	-0.003	-0.0075	-146.336	1
5164_5164	5164	5164	-87.027	-26.253	-0.0045	-0.027	0.1065	-699.441	1
5164_5165	5164	5165	-65.493	16.6995	0	-0.0105	-0.015	-252.158	1
5165_5165	5165	5165	-63.6405	-36.2235	-0.0015	0.0435	0.072	-676.704	1
5165_5166	5165	5166	-78.801	22.2225	-0.003	0.018	-0.0585	-424.368	1
5166_5166	5166	5166	-34.2165	-40.719	0.0015	0.0105	0.033	-531.306	1
5166_5167	5166	5167	-89.3265	28.764	-0.0015	0.033	-0.0735	-631.97	1
5167_5167	5167	5167	-32.253	2.8635	0.0015	-0.0075	-0.027	-179.669	1
5167_5168	5167	5168	-98.442	35.5605	0.0015	-0.03	-0.063	-917.069	1
5168_5168	5168	5168	-74.6205	-8.205	-0.003	0.012	0.0585	-253.229	1
5168_5169	5168	5169	-33.3675	-28.605	0	0.024	0.021	-304.94	1
5169_5169	5169	5169	-89.115	-4.8975	0.0015	-0.033	0.0225	-385.544	1
5169_5170	5169	5170	-16.71	-22.251	-0.0015	-0.0225	0.0105	-193.293	1
5170_5170	5170	5170	-99.801	-11.0385	-0.0015	0.03	0.027	-472.181	1
5170_5171	5170	5171	-12.759	-1.0755	0.0015	0.0045	-0.021	-100.68	1
5171_5171	5171	5171	-106.676	-10.626	0.0015	-0.0435	0.021	-536.595	1
5171_5172	5171	5172	-12.021	-0.8835	0	-0.0075	-0.018	-87.9285	1
5172_5172	5172	5172	-115.173	-17.3235	0	0.027	0.0225	-609.579	1
5172_5173	5172	5173	-11.3295	-0.8835	0	0.0045	-0.015	-83.6295	1
5173_5173	5173	5173	-119.196	-24.765	0	0.024	0.015	-652.245	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5173_5174	5173	5174	-10.6935	-0.7545	0	0.0045	-0.012	-71.9055	1
5174_5174	5174	5174	-119.088	-20.6865	0	-0.051	0.0105	-664.055	1
5174_5175	5174	5175	-10.2795	-0.7035	0	-0.006	-0.009	-69.336	1
5175_5175	5175	5175	-122.84	-26.2395	0	0.063	0.009	-693.881	1
5175_5176	5175	5176	-9.867	-0.7005	0	0.0075	-0.0045	-66.5325	1
5176_5176	5176	5176	-125.3	-18.237	0.0015	-0.063	-0.0015	-706.257	1
5176_5177	5176	5177	-9.477	-0.657	0	-0.0045	-0.0015	-61.4205	1
5177_5177	5177	5177	-124.514	-24.249	0	0.063	0.0045	-694.368	1
5177_5178	5177	5178	-9.09	-0.657	0	0.006	0.003	-59.022	1
5178_5178	5178	5178	-121.397	-17.748	0	0.024	0	-665.252	1
5178_5179	5178	5179	-8.637	-0.552	0	0.003	0.003	-52.434	1
5179_5179	5179	5179	-122.295	-25.77	0	0.0255	-0.0045	-654.162	1
5179_5180	5179	5180	-8.211	-0.534	0	0.003	0.0015	-48.78	1
5180_5180	5180	5180	-119.055	-33.1965	0.0015	-0.0525	-0.0075	-612.377	1
5180_5181	5180	5181	-7.7925	-0.534	0	-0.003	0.0015	-46.1805	1
5181_5181	5181	5181	-111.312	-32.7915	0	0.027	0.0045	-540.264	1
5181_5182	5181	5182	-18.3555	22.3125	0	0.0045	0.003	-190.133	1
5182_5182	5182	5182	-105.068	-39.5565	0.0015	-0.033	0.0045	-476.154	1
5182_5183	5182	5183	-36.531	26.01	-0.0015	-0.021	-0.003	-296.139	1
5183_5183	5183	5183	-94.893	-45.75	-0.0015	0.0225	0.0225	-390.627	1
5183_5184	5183	5184	-63.639	34.2195	0	0.0225	-0.0075	-479.501	1
5184_5184	5184	5184	-21.3585	-3.387	0	-0.0105	0.039	-167.613	1
5184_5185	5184	5185	-83.8425	-30.2175	0	-0.039	0.0375	-630.5	1
5185_5185	5185	5185	-21.2385	-3.7245	-0.0015	0.003	0.0345	-132.96	1
5185_5186	5185	5186	-70.734	-21.4365	-0.0015	0.027	0.0225	-404.388	1
5186_5186	5186	5186	-42.9585	-3.726	0.0015	-0.012	0.003	-525.74	1
5186_5187	5186	5187	-54.72	-16.8345	-0.003	-0.0135	-0.0105	-223.817	1
5187_5187	5187	5187	-79.7685	-13.164	0.0015	0.0165	0.024	-653.21	1
5187_5188	5187	5188	-40.32	-4.9275	0.0015	0.009	0.0405	-283.599	1
5188_5188	5188	5188	-99.6255	-11.553	0	0.0045	0.0495	-722.168	1
5188_5189	5188	5189	-37.629	-4.287	0	0.003	0.042	-257.036	1
5189_5189	5189	5189	-116.192	-18.2895	0	0.003	0.051	-805.475	1
5189_5190	5189	5190	-32.3175	-4.1895	0	0.0015	0.042	-220.116	1
5190_5190	5190	5190	-125.246	-16.7235	0.0015	0.0045	0.0675	-865.611	1
5190_5191	5190	5191	-27.93	-3.825	0	0.0015	0.0435	-189.498	1
5191_5191	5191	5191	-137.327	-26.1495	0.0015	0.0045	0.093	-939.234	1
5191_5192	5191	5192	-23.7135	-3.5895	0	0.0015	0.042	-156.564	1
5192_5192	5192	5192	-140.048	-22.275	0	0.006	0.117	-955.038	1
5192_5193	5192	5193	-20.16	-3.4245	0.0015	0.0015	0.054	-132.191	1
5193_5193	5193	5193	-147.39	-15.1995	0	0.006	0.1335	-995.715	1
5193_5194	5193	5194	-21.807	3.4185	0.0015	0.003	0.1425	-118.739	1
5194_5194	5194	5194	-145.032	-10.053	0.0015	0.006	0.144	-981.672	1
5194_5195	5194	5195	-25.5315	3.819	0.0015	0.003	0.1605	-150.14	1
5195_5195	5195	5195	-148.05	-19.4505	0.003	0.0045	0.171	-999.779	1
5195_5196	5195	5196	-29.5305	3.9765	0.0015	0.003	0.1785	-179.07	1
5196_5196	5196	5196	-142.059	-14.211	0.0015	0.0045	0.201	-964.05	1
5196_5197	5196	5197	-34.383	4.4175	0.0015	0.0015	0.201	-216.969	1
5197_5197	5197	5197	-140.562	-24.357	0.0015	0.003	0.2175	-954.255	1
5197_5198	5197	5198	-39.4635	4.5615	0.0015	0.0015	0.2205	-252.365	1
5198_5198	5198	5198	-129.971	-20.178	0.0015	0.003	0.228	-888.327	1
5198_5199	5198	5199	-46.8195	5.343	0.0015	0	0.237	-305.069	1
5199_5199	5199	5199	-119.408	-32.208	0.003	-0.0015	0.264	-820.032	1
5199_5200	5199	5200	-48.8445	5.343	0.0015	-0.0015	0.261	-328.037	1
5200_5200	5200	5200	-106.01	-28.2375	0	-0.006	0.273	-756.314	1
5200_5201	5200	5201	-56.532	17.853	0	0	-0.2325	-232.164	1
5201_5201	5201	5201	-76.1565	-37.7925	0.0015	0	0.4005	-743.612	1
5201_5202	5201	5202	-70.6425	24.8295	-0.0015	0.021	-0.4155	-428.946	1
5202_5202	5202	5202	-44.748	-42.465	0.0015	-0.027	0.3615	-588.441	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5202_5203	5202	5203	-82.7205	32.343	-0.0015	-0.021	-0.465	-659.151	1
5203_5203	5203	5203	-20.7915	2.829	-0.0015	0.0195	-0.165	-123.579	1
5203_5204	5203	5204	-93.129	39.7755	-0.003	0.066	-0.507	-970.319	1
5204_5204	5204	5204	-88.1715	-10.0965	-0.0105	-0.021	0.6855	-308.706	1
5204_5205	5204	5205	-33.7665	-28.9575	0	-0.018	0.0615	-335.817	1
5205_5205	5205	5205	-101.037	-6.201	-0.0105	0.0345	0.4365	-451.166	1
5205_5206	5205	5206	-16.602	-24.222	0	0.024	0.1125	-216.731	1
5206_5206	5206	5206	-110.297	-11.8665	-0.0075	-0.039	0.3165	-536.33	1
5206_5207	5206	5207	-7.8405	0.1125	0.0075	0	-0.228	-80.586	1
5207_5207	5207	5207	-116.331	-11.8785	-0.006	-0.003	0.228	-601.673	1
5207_5208	5207	5208	-7.986	0.2055	0.0075	0.0075	-0.1635	-76.56	1
5208_5208	5208	5208	-123.612	-18.141	-0.0045	-0.0015	0.1605	-673.77	1
5208_5209	5208	5209	-8.1435	0.2085	0.0075	0.0075	-0.1095	-77.2635	1
5209_5209	5209	5209	-127.082	-25.077	-0.0045	-0.0015	0.1035	-718.125	1
5209_5210	5209	5210	-8.3265	0.246	0.006	0.0075	-0.0525	-74.6175	1
5210_5210	5210	5210	-127.127	-22.2225	-0.0015	-0.06	0.0585	-734.625	1
5210_5211	5210	5211	-8.496	0.3015	0.0045	0	-0.0285	-75.744	1
5211_5211	5211	5211	-130.133	-27.4965	-0.0045	0.066	0.0345	-763.623	1
5211_5212	5211	5212	-8.6745	0.327	0.0045	0.0135	0	-73.302	1
5212_5212	5212	5212	-131.52	-17.601	0.0015	-0.0705	-0.0225	-779.346	1
5212_5213	5212	5213	-8.859	0.327	0.0045	0	0.0225	-74.526	1
5213_5213	5213	5213	-130.86	-23.28	0	0.0705	-0.0165	-769.161	1
5213_5214	5213	5214	-9.051	0.342	0.0045	0.0135	0.048	-73.8405	1
5214_5214	5214	5214	-128.19	-18.249	0.0015	0.039	-0.012	-742.712	1
5214_5215	5214	5215	-9.342	0.3885	0.003	0.0105	0.0705	-74.226	1
5215_5215	5215	5215	-128.519	-25.7505	0.003	-0.051	-0.0045	-729.246	1
5215_5216	5215	5216	-9.6345	0.3885	0.003	0.0015	0.0915	-76.1595	1
5216_5216	5216	5216	-125.405	-32.6835	0.0015	0.0435	0.024	-687.96	1
5216_5217	5216	5217	-9.927	0.3885	0.003	0.0105	0.114	-78.093	1
5217_5217	5217	5217	-118.419	-32.8365	0	0.1215	0.0435	-618.704	1
5217_5218	5217	5218	-16.7985	21.8475	0.018	0.1095	0.147	-228.336	1
5218_5218	5218	5218	-112.535	-39.0795	0.0045	0.069	0.057	-555.309	1
5218_5219	5218	5219	-35.4525	28.842	0.015	0.075	0.2265	-329.631	1
5219_5219	5219	5219	-103.17	-44.7915	0.027	-0.2535	0.1275	-460.475	1
5219_5220	5219	5220	-63.0435	37.1385	0.006	-0.1515	0.2415	-508.577	1
5220_5220	5220	5220	-23.841	-3.825	-0.012	0.0345	0.3735	-166.065	1
5220_5221	5220	5221	-79.494	-30.708	-0.0165	0.1125	-0.1065	-570.947	1
5221_5221	5221	5221	-27.141	-0.936	-0.0075	-0.0705	0.087	-445.554	1
5221_5222	5221	5222	-65.616	-22.392	-0.0105	-0.132	-0.171	-345.875	1
5222_5222	5222	5222	-53.763	-4.44	0.009	0.1665	-0.0405	-627.656	1
5222_5223	5222	5223	-55.4025	-6.9615	0.003	0.1395	0.147	-459.191	1
5223_5223	5223	5223	-96.15	-13.1775	0	-0.132	0.0585	-734.549	1
5223_5224	5223	5224	-58.167	-6.669	0	-0.0765	0.1035	-369.327	1
5224_5224	5224	5224	-118.661	-12.4455	0.006	0.177	0.081	-809.765	1
5224_5225	5224	5225	-54.18	-6.2025	0.0045	0.084	0.1395	-337.367	1
5225_5225	5225	5225	-126.398	-20.0505	0.003	-0.138	0.1485	-935.438	1
5225_5226	5225	5226	-42.3465	-6.015	0.0045	-0.0495	0.204	-288.473	1
5226_5226	5226	5226	-135.867	-19.167	0.0045	0.231	0.228	-1006.97	1
5226_5227	5226	5227	-35.9445	-5.532	0	0.069	0.201	-242.891	1
5227_5227	5227	5227	-146.15	-28.656	-0.0015	-0.258	0.3015	-1077.61	1
5227_5228	5227	5228	-29.841	-5.2425	0	-0.0525	0.189	-195.498	1
5228_5228	5228	5228	-147.033	-25.815	0.0075	0.2415	0.3255	-1085.47	1
5228_5229	5228	5229	-27.7875	4.1835	0.006	0.057	0.3615	-163.641	1
5229_5229	5229	5229	-151.607	-17.787	0.0045	-0.2535	0.5265	-1116.64	1
5229_5230	5229	5230	-32.844	4.695	0.006	-0.0285	0.4605	-211.005	1
5230_5230	5230	5230	-144.72	-15.09	0.0105	0.2115	0.6195	-1071.68	1
5230_5231	5230	5231	-38.9835	5.5305	0.009	0.075	0.582	-269.352	1
5231_5231	5231	5231	-141.84	-25.5075	0.006	-0.18	0.771	-1050.22	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5231_5232	5231	5232	-45.678	5.8815	0.0075	-0.0345	0.669	-324.608	1
5232_5232	5232	5232	-128.825	-24.597	-0.009	0.1635	0.849	-960.725	1
5232_5233	5232	5233	-51.5085	6.693	-0.0045	0.1005	0.624	-367.787	1
5233_5233	5233	5233	-121.836	-32.1165	-0.018	0.0045	1.17	-915.596	1
5233_5234	5233	5234	-54.885	6.7965	-0.0075	0.018	0.909	-405.051	1
5234_5234	5234	5234	-110.871	-37.536	-0.0225	-0.168	1.0215	-857.616	1
5234_5235	5234	5235	-56.973	6.6585	-0.009	-0.075	0.8325	-441.605	1
5235_5235	5235	5235	-92.8785	-37.7835	0.135	0.1425	0.8445	-774.498	1
5235_5236	5235	5236	-57.5235	22.0425	-0.054	0.0885	-1.293	-244.58	1
5236_5236	5236	5236	-65.829	-41.4495	0.2025	-0.0765	2.4135	-805.673	1
5236_5237	5236	5237	-66.9045	27.138	-0.0915	0.042	-3.012	-400.715	1
5237_5237	5237	5237	-47.088	-47.1225	0.189	-0.3915	4.032	-696.818	1
5237_5238	5237	5238	-76.299	32.898	-0.1065	-0.021	-4.065	-540.05	1
5238_5238	5238	5238	-33.231	-35.037	-0.2325	0.1905	5.184	-594.75	1
5238_5239	5238	5239	-83.2185	28.59	0.159	0.0795	-2.958	-725.747	1
5239_5239	5239	5239	-21.1965	4.2735	-0.0135	0.0435	-0.804	-160.706	1
5239_5240	5239	5240	-86.7375	28.854	0.177	-0.0885	-1.1985	-957.236	1
5240_5240	5240	5240	-110.079	-8.661	0.147	0.0465	-1.23	-527.721	1
5240_5241	5240	5241	-11.1465	-19.9965	0.0195	0.1515	0.3495	-334.805	1
5241_5241	5241	5241	-119.681	-18.345	0.162	-0.3525	0.456	-636.663	1
5241_5242	5241	5242	-10.626	-0.321	0.021	-0.0525	1.3995	-80.598	1
5242_5242	5242	5242	-120.947	-23.469	0.165	-0.405	1.359	-664.997	1
5242_5243	5242	5243	-10.4535	-0.321	0.021	-0.063	1.5345	-79.2435	1
5243_5243	5243	5243	-119.292	-10.488	-0.108	0.183	2.331	-673.518	1
5243_5244	5243	5244	-10.338	-0.123	-0.003	0.0105	1.5045	-78.405	1
5244_5244	5244	5244	-128.732	-17.5185	-0.084	-0.2145	1.167	-777.738	1
5244_5245	5244	5245	-10.2375	-0.123	-0.003	-0.036	1.4775	-77.604	1
5245_5245	5245	5245	-133.745	-20.679	-0.0315	0.2205	0.276	-841.958	1
5245_5246	5245	5246	-10.1625	-0.0825	-0.0075	0.0075	1.4025	-77.031	1
5246_5246	5246	5246	-139.076	-29.154	-0.0135	-0.2505	-0.084	-900.983	1
5246_5247	5246	5247	-10.098	-0.0825	-0.0075	-0.039	1.3365	-76.5165	1
5247_5247	5247	5247	-140.439	-13.8435	-0.0255	0.2625	-0.354	-909.869	1
5247_5248	5247	5248	-10.08	-0.015	-0.018	0.0045	1.1685	-76.3995	1
5248_5248	5248	5248	-142.061	-22.1895	-0.0135	-0.2025	-0.666	-906.926	1
5248_5249	5248	5249	-10.0665	-0.015	-0.018	-0.0375	0.984	-76.2945	1
5249_5249	5249	5249	-138.341	-26.043	-0.0225	0.1605	-0.8355	-851.894	1
5249_5250	5249	5250	-10.0935	0.0525	-0.0255	0	0.7395	-79.9815	1
5250_5250	5250	5250	-134.541	-33.996	-0.0075	-0.168	-1.0905	-788.741	1
5250_5251	5250	5251	-10.1445	0.078	-0.027	-0.039	0.4935	-85.146	1
5251_5251	5251	5251	-127.272	-21.813	0.174	0.2295	-1.0845	-696.815	1
5251_5252	5251	5252	-10.5045	0.6975	0.0165	0.0645	0.591	-88.7265	1
5252_5252	5252	5252	-129.656	-26.9655	0.1785	0.06	-0.018	-693.033	1
5252_5253	5252	5253	-18.3855	21.3105	-0.0195	0.0615	0.405	-354.668	1
5253_5253	5253	5253	-130.361	-32.1675	0.1785	-0.231	1.02	-667.092	1
5253_5254	5253	5254	-36.8535	25.083	-0.054	-0.1005	-0.345	-482.324	1
5254_5254	5254	5254	-31.7775	-3.786	0.0165	-0.165	1.515	-221.901	1
5254_5255	5254	5255	-88.926	-23.829	0.036	-1.317	1.167	-927.105	1
5255_5255	5255	5255	-31.713	-4.0455	-0.0345	0.084	1.5315	-212.687	1
5255_5256	5255	5256	-83.6025	-24.06	0.033	0.2355	1.6995	-667.029	1
5256_5256	5256	5256	-35.6415	-11.8725	-0.234	-0.2505	-0.4755	-595.181	1
5256_5257	5256	5257	-77.5095	-20.7465	0.0285	-0.279	1.974	-507.431	1
5257_5257	5257	5257	-46.8645	-1.9665	0.0915	0.3075	-2.7465	-659.226	1
5257_5258	5257	5258	-69.5175	-23.9415	-0.081	0.1485	1.2195	-377.742	1
5258_5258	5258	5258	-61.677	-5.4645	0.0855	0.096	-2.2035	-754.034	1
5258_5259	5258	5259	-59.91	-19.7955	-0.069	-0.036	0.558	-259.889	1
5259_5259	5259	5259	-94.188	-9.5565	0.048	-0.1335	-1.023	-767.096	1
5259_5260	5259	5260	-63.3045	-7.221	0.0345	-0.081	-0.3675	-447.114	1
5260_5260	5260	5260	-111.408	-9.4485	0.0375	0.231	-0.669	-834.35	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5260_5261	5260	5261	-61.2705	-6.909	0.0225	0.132	-0.2445	-418.701	1
5261_5261	5261	5261	-125.061	-13.542	0.0345	0	-0.4425	-897.051	1
5261_5262	5261	5262	-57.609	-7.1025	0.0195	0.009	-0.111	-389.544	1
5262_5262	5262	5262	-140.376	-18.237	0.0255	-0.075	-0.1485	-892.791	1
5262_5263	5262	5263	-50.733	-7.0845	0.0135	-0.0255	0.0885	-312.126	1
5263_5263	5263	5263	-149.879	-18.024	0.0075	0.135	0.219	-955.992	1
5263_5264	5263	5264	-43.1775	-6.447	0.0045	0.054	0.1305	-265.88	1
5264_5264	5264	5264	-160.977	-26.541	0.006	-0.105	0.36	-1026.11	1
5264_5265	5264	5265	-35.673	-6.2985	0.003	-0.0165	0.1635	-220.191	1
5265_5265	5265	5265	-163.79	-24.9975	0.015	0.1845	0.507	-1047.96	1
5265_5266	5265	5266	-28.8795	-5.4615	0.006	0.0435	0.2055	-170.318	1
5266_5266	5266	5266	-168.945	-34.1325	0.0105	-0.168	0.7515	-1082.29	1
5266_5267	5266	5267	-23.5395	6.186	0.009	-0.0075	0.6765	-198.753	1
5267_5267	5267	5267	-163.547	-32.1285	0.015	0.2025	0.948	-1056.36	1
5267_5268	5267	5268	-31.3185	6.7665	0.0105	0.081	0.81	-248.66	1
5268_5268	5268	5268	-161.223	-22.3425	0.006	-0.1995	1.2195	-1051.84	1
5268_5269	5268	5269	-39.225	6.858	0.006	-0.0285	0.8835	-295.976	1
5269_5269	5269	5269	-150.683	-21.1395	0.0165	0.21	1.278	-991.389	1
5269_5270	5269	5270	-45.936	7.491	0.0135	0.1095	0.9975	-333.89	1
5270_5270	5270	5270	-145.913	-27.975	0.0105	-0.0285	1.3845	-961.637	1
5270_5271	5270	5271	-52.6695	7.5735	0.0105	0.0195	1.086	-374.019	1
5271_5271	5271	5271	-126.134	-34.635	0.0075	-0.2715	1.899	-982.668	1
5271_5272	5271	5272	-52.2075	7.6185	0.0105	-0.0885	1.5255	-439.523	1
5272_5272	5272	5272	-114.707	-33.201	0.096	0.1905	1.878	-920.54	1
5272_5273	5272	5273	-55.056	8.2995	0.045	0.165	1.8495	-479.748	1
5273_5273	5273	5273	-100.844	-38.196	0.09	-0.021	2.442	-864.59	1
5273_5274	5273	5274	-60.225	23.5605	-0.048	0.054	-2.7045	-258.839	1
5274_5274	5274	5274	-71.0055	-42.2985	0.132	-0.468	4.59	-878.076	1
5274_5275	5274	5275	-75.267	31.9035	-0.0855	0.105	-5.784	-474.515	1
5275_5275	5275	5275	-45.303	-32.2995	-0.4035	0.0435	5.6055	-727.145	1
5275_5276	5275	5276	-83.76	27.2625	0.1665	0.2865	-4.551	-644.144	1
5276_5276	5276	5276	-30.9825	-39.4245	-0.42	-0.345	0.9855	-662.39	1
5276_5277	5276	5277	-90.2865	31.554	0.2205	-0.0795	-2.4285	-832.233	1
5277_5277	5277	5277	-22.5165	4.8315	0.036	0.03	-1.206	-202.059	1
5277_5278	5277	5278	-92.274	26.2185	0.198	-0.2625	-0.819	-986.253	1
5278_5278	5278	5278	-128.508	-16.968	0.111	0.2145	-0.492	-677.004	1
5278_5279	5278	5279	-9.702	-20.3655	-0.081	-0.0345	0.7215	-340.622	1
5279_5279	5279	5279	-129.387	-24.369	0.1365	-0.1005	0.474	-696.588	1
5279_5280	5279	5280	-6.5925	-0.957	0.057	0.06	1.05	17.6445	1
5280_5280	5280	5280	-126.857	-14.5815	-0.081	0.156	1.404	-694.959	1
5280_5281	5280	5281	-5.718	-0.8625	-0.024	-0.0105	0.735	22.3305	1
5281_5281	5281	5281	-131.501	-23.6475	-0.0675	-0.129	0.465	-760.892	1
5281_5282	5281	5282	-4.794	-0.8625	-0.021	-0.0015	0.468	29.331	1
5282_5282	5282	5282	-111.155	-22.7595	-0.0315	0.2565	-1.104	-831.824	1
5282_5283	5282	5283	-5.979	-0.81	-0.084	-0.03	0.4635	47.841	1
5283_5283	5283	5283	-111.663	-34.014	0.024	-0.372	-1.245	-862.472	1
5283_5284	5283	5284	-5.328	-0.81	-0.0735	0.0105	-0.39	54.7065	1
5284_5284	5284	5284	-108.962	-12.0345	0.057	0.2385	0.6375	-801.06	1
5284_5285	5284	5285	-4.608	-0.897	0.0585	-0.0345	0.279	58.9425	1
5285_5285	5285	5285	-114.893	-23.1	0.069	-0.2505	1.5705	-820.448	1
5285_5286	5285	5286	-3.9855	-0.897	0.066	0.0045	0.9495	65.493	1
5286_5286	5286	5286	-115.239	-18.315	-0.219	0.369	2.2785	-772.94	1
5286_5287	5286	5287	-3.2775	-0.885	-0.0285	-0.0465	0.612	69.573	1
5287_5287	5287	5287	-121.889	-28.518	-0.135	-0.2745	-0.048	-774.603	1
5287_5288	5287	5288	-2.7585	0.354	0.0165	-0.018	0.408	-75.0075	1
5288_5288	5288	5288	-122.151	-12.306	0.4545	0.6615	-0.2415	-669.248	1
5288_5289	5288	5289	-7.3125	20.745	-0.1275	0.0105	1.5165	-402.459	1
5289_5289	5289	5289	-125.931	-15.4725	0.465	0.4365	1.8285	-692.067	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5289_5290	5289	5290	-19.239	22.686	-0.1965	-0.2235	-0.384	-547.401	1
5290_5290	5290	5290	-20.007	-9.234	1.251	-1.035	1.0185	-526.874	1
5290_5291	5290	5291	-46.239	-13.413	0.5805	-0.426	6.7365	-926.196	1
5291_5291	5291	5291	-31.227	-5.8695	-0.957	0.4395	13.101	-671.082	1
5291_5292	5291	5292	-48.6015	-10.7985	-0.5955	0.465	0.186	-821.949	1
5292_5292	5292	5292	-48.0885	-13.449	-0.9255	-0.5355	2.0475	-845.711	1
5292_5293	5292	5293	-48.687	-10.797	-0.5985	-0.489	-5.5605	-732.662	1
5293_5293	5293	5293	-61.3215	-6.7275	0.1755	0.627	-7.1175	-956.58	1
5293_5294	5293	5294	-48.15	-7.5585	0.1305	0.51	-4.65	-686.901	1
5294_5294	5294	5294	-87.729	-11.7225	0.1095	0.0405	-3.99	-1008.18	1
5294_5295	5294	5295	-53.7315	-7.56	0.087	0.051	-2.454	-593.028	1
5295_5295	5295	5295	-99.813	-17.5935	0.1035	-0.3795	-3.2205	-1115.57	1
5295_5296	5295	5296	-49.6575	-7.5555	0.087	-0.1875	-1.755	-548.522	1
5296_5296	5296	5296	-108.914	8.3865	0.078	0.459	-2.4975	-1219.41	1
5296_5297	5296	5297	-48.0135	-6.132	0.039	0.201	-1.5915	-530.964	1
5297_5297	5297	5297	-98.3685	4.9755	0.117	0.366	-3.2865	-1383.85	1
5297_5298	5297	5298	-37.89	-6.1635	0.06	0.165	-1.887	-527.711	1
5298_5298	5298	5298	-108.671	-2.658	0.108	-0.645	-2.1315	-1522.33	1
5298_5299	5298	5299	-34.782	-6.0705	0.057	-0.1995	-1.3695	-484.409	1
5299_5299	5299	5299	-114.746	3.5145	0.0015	1.023	-1.1505	-1604.27	1
5299_5300	5299	5300	-31.41	-5.2245	0.012	0.3015	-1.2285	-439.529	1
5300_5300	5300	5300	-125.391	-6.012	-0.0045	-0.882	-1.125	-1747.19	1
5300_5301	5300	5301	-27.834	-5.127	0.0105	-0.1935	-1.1115	-389.144	1
5301_5301	5301	5301	-129.608	-1.011	0.0315	1.041	-1.128	-1804.48	1
5301_5302	5301	5302	-24.7545	-4.4475	0.0225	0.2235	-0.84	-348.177	1
5302_5302	5302	5302	-136.643	-11.154	0.0225	-1.026	-0.7035	-1899.06	1
5302_5303	5302	5303	-21.9255	-4.3815	0.0195	-0.165	-0.615	-308.109	1
5303_5303	5303	5303	-136.565	-26.187	0.0135	1.035	-0.453	-1897.1	1
5303_5304	5303	5304	-19.074	-3.9165	0.0195	0.186	-0.372	-267.909	1
5304_5304	5304	5304	-140.964	-36.171	0.003	-1.257	-0.3	-1956.65	1
5304_5305	5304	5305	-16.686	-3.8925	0.018	-0.153	-0.1815	-235.14	1
5305_5305	5305	5305	-138.185	-29.781	0.036	0.867	-0.309	-1920.21	1
5305_5306	5305	5306	-14.31	-3.504	0.027	0.1155	0.1245	-198.672	1
5306_5306	5306	5306	-138.866	-39.1425	0.0285	-0.831	0.06	-1929.26	1
5306_5307	5306	5307	-12.0255	-3.357	0.024	-0.0705	0.39	-163.119	1
5307_5307	5307	5307	-132.062	-33.9315	0.015	0.978	0.312	-1837.83	1
5307_5308	5307	5308	-9.9705	-3.045	0.018	0.09	0.5625	-130.335	1
5308_5308	5308	5308	-127.943	-43.629	0.0075	-0.942	0.3975	-1780.7	1
5308_5309	5308	5309	-8.034	-2.688	0.0195	-0.057	0.687	-95.412	1
5309_5309	5309	5309	-115.061	-40.9185	-0.0075	0.735	0.36	-1604.85	1
5309_5310	5309	5310	-6.366	-2.3625	-0.0315	0.0405	0.234	-68.0475	1
5310_5310	5310	5310	-101.42	-52.299	-0.027	-0.7095	-0.018	-1416.12	1
5310_5311	5310	5311	-4.8615	-2.1225	-0.051	-0.03	-0.7095	-44.544	1
5311_5311	5311	5311	-76.032	-63.813	0.024	0.2835	-0.4785	-1073.8	1
5311_5312	5311	5312	-4.401	4.482	0.3945	0.0975	-4.3605	8.016	1
5312_5312	5312	5312	-41.7045	-78.2865	0.021	-0.4605	-0.2325	-603.18	1
5312_5313	5312	5313	-8.8875	24.201	0.1125	0.1695	0	-36.4065	1
5400_5020	5400	5020	-14.046	-0.9135	-0.078	-0.0015	-0.9555	-76.257	1
5400_5401	5400	5401	-97.893	9.936	-0.1185	-0.006	4.179	32.931	1
5401_5401	5401	5401	-14.022	-0.984	0.0615	0.078	-1.2255	-73.1955	1
5401_5402	5401	5402	-97.8705	7.515	-0.429	0.0435	2.5935	6.708	1
5402_5402	5402	5402	-13.995	-1.32	0.0885	-0.03	-1.047	-69.7635	1
5402_5403	5402	5403	-98.0235	5.2755	-0.2445	-0.0045	-0.081	-47.9025	1
5403_5403	5403	5403	-14.2575	-1.8525	-0.003	0.012	-0.1065	-57.5145	1
5403_5404	5403	5404	-88.6725	2.052	-0.027	0.0285	-0.267	-64.4775	1
5404_5404	5404	5404	-14.2125	-2.178	0.009	-0.021	-0.1395	-44.163	1
5404_5405	5404	5405	-88.695	0.027	0.042	-0.0165	0.0225	-64.674	1
5405_5405	5405	5405	-14.676	-2.7705	0.0075	-0.0045	-0.0915	-28.9335	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5405_5406	5405	5406	-82.23	-2.541	0	0.006	0.036	-28.0455	1
5406_5406	5406	5406	-15.3285	-3.369	-0.0345	-0.0285	0.0045	11.169	1
5406_5407	5406	5407	-77.553	-5.6325	-0.0285	-0.0075	-0.177	26.0805	1
5407_5407	5407	5407	-15.255	-3.69	-0.009	0.036	-0.2685	41.0085	1
5407_5408	5407	5408	-77.418	-7.26	0.0885	0.033	0.333	66.408	1
5408_5408	5408	5408	-16.6455	-0.2715	0.135	0.0075	-0.306	61.416	1
5408_5409	5408	5409	-78.711	6.972	0.2715	0.06	0.8835	88.371	1
5409_5409	5409	5409	-16.7415	-0.1485	0.0735	-0.009	0.102	62.19	1
5409_5410	5409	5410	-78.831	-7.5405	0.0675	-0.0615	1.089	111.087	1
5410_5410	5410	5410	-17.4615	3.4155	-0.0105	0.027	0.201	62.2215	1
5410_5411	5410	5411	-83.337	9.2955	-0.0255	0.042	0.6945	59.4705	1
5411_5411	5411	5411	-17.529	3.048	-0.03	-0.021	0.159	43.254	1
5411_5412	5411	5412	-83.514	7.5435	-0.1155	-0.0345	-0.297	-7.3365	1
5412_5412	5412	5412	-18.819	2.439	0.009	-0.003	-0.141	16.134	1
5412_5413	5412	5413	-89.6205	4.8405	0.0135	-0.0075	-0.144	-77.1105	1
5413_5413	5413	5413	-20.1675	1.8195	0.006	-0.0165	-0.0345	-18.8295	1
5413_5414	5413	5414	-97.464	2.256	0.054	-0.045	0.2415	-93.384	1
5414_5414	5414	5414	-20.2035	1.3575	-0.012	0.009	-0.0045	-31.9515	1
5414_5415	5414	5415	-97.4895	0.03	-0.027	0.0285	0.0195	-93.5955	1
5415_5415	5415	5415	-21.5145	0.801	0.0795	0.042	-0.105	-41.7285	1
5415_5416	5415	5416	-108.002	-2.955	0.1635	0.0525	1.761	-61.329	1
5416_5416	5416	5416	-21.5265	0.276	0.1515	-0.147	0.8055	-50.4765	1
5416_5417	5416	5417	-107.897	-5.5845	0.5205	-0.1965	3.6375	-41.8185	1
5417_5417	5417	5417	-21.5835	0.3495	0.3675	0.006	1.32	-51.444	1
5417_5036	5417	5036	-108.03	-7.2075	0.216	0.009	4.5135	-12.531	1
5420_5056	5420	5056	-23.709	0.156	-0.1725	-0.0105	2.7135	-34.7235	1
5420_5421	5420	5421	-105.066	8.7525	-0.0225	-0.012	3.036	2.604	1
5421_5421	5421	5421	-23.6295	0.2385	-0.1575	0.045	1.932	-35.3625	1
5421_5422	5421	5422	-104.921	6.597	-0.264	0.051	2.013	-20.3805	1
5422_5422	5422	5422	-23.628	-0.327	-0.144	-0.009	1.3785	-36.1965	1
5422_5423	5422	5423	-105.048	4.0785	-0.204	-0.009	-0.2115	-64.902	1
5423_5423	5423	5423	-21.5985	-0.861	0.003	0.012	-0.18	-32.922	1
5423_5424	5423	5424	-93.4755	0.6045	-0.027	0.033	-0.3915	-81.3975	1
5424_5424	5424	5424	-21.573	-1.3725	0.021	-0.0045	-0.1605	-26.7105	1
5424_5425	5424	5425	-93.4635	-1.6125	0.048	-0.0225	-0.0705	-69.777	1
5425_5425	5425	5425	-19.4325	-1.932	0.0075	0.003	-0.009	-16.815	1
5425_5426	5425	5426	-85.083	-3.9	0.015	0.0045	0.1395	-13.539	1
5426_5426	5426	5426	-17.373	-2.4945	-0.0675	-0.0255	0.1035	11.0325	1
5426_5427	5426	5427	-78.5025	-6.3885	-0.087	-0.033	-0.612	43.02	1
5427_5427	5427	5427	-17.3175	-2.85	-0.027	0.057	-0.4665	33.1215	1
5427_5428	5427	5428	-78.3555	-7.992	0.0915	0.0735	-0.057	87.444	1
5428_5428	5428	5428	-15.705	0.54	-0.081	-0.0945	-0.7065	49.173	1
5428_5429	5428	5429	-73.3065	7.6365	-0.261	-0.0705	-0.93	64.3815	1
5429_5429	5429	5429	-15.6255	-0.222	-0.069	0.1005	-0.9525	47.604	1
5429_5430	5429	5430	-73.1895	-7.236	-0.042	0.078	-1.056	86.4135	1
5430_5430	5430	5430	-14.841	2.6265	-0.015	-0.0075	0.1395	45.5385	1
5430_5431	5430	5431	-76.668	7.143	-0.108	-0.003	0.567	30.075	1
5431_5431	5431	5431	-14.895	2.3055	-0.012	-0.0015	0.0495	30.9645	1
5431_5432	5431	5432	-76.8045	5.487	-0.09	-0.0075	-0.231	-18.5415	1
5432_5432	5432	5432	-15.8655	1.791	0.0045	-0.003	-0.0735	10.4565	1
5432_5433	5432	5433	-83.079	3.051	0.0165	-0.006	-0.0225	-62.529	1
5433_5433	5433	5433	-16.9095	1.2675	-0.0075	0	-0.012	-15.2025	1
5433_5434	5433	5434	-91.1355	0.615	-0.0195	0.003	-0.186	-66.5055	1
5434_5434	5434	5434	-16.9335	0.8805	-0.0015	-0.006	-0.066	-24.3405	1
5434_5435	5434	5435	-91.1265	-1.464	0.0105	-0.015	-0.099	-55.968	1
5435_5435	5435	5435	-17.922	0.3975	0.0825	-0.009	-0.1005	-30.1725	1
5435_5436	5435	5436	-102.366	-4.386	0.162	0.0015	1.5945	-8.0355	1
5436_5436	5436	5436	-17.9265	-0.024	0.06	0.0165	0.795	-34.512	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5436_5437	5436	5437	-102.234	-6.789	0.0285	-0.0255	1.6905	15.624	1
5437_5437	5437	5437	-17.985	0.0015	0.2295	0.0045	1.0665	-34.428	1
5437_5072	5437	5072	-102.369	-8.943	0.384	0.0105	3.2655	52.212	1
5440_5094	5440	5094	-19.338	-0.0345	-0.102	-0.0075	1.6875	-37.098	1
5440_5441	5440	5441	-100.566	8.661	-0.012	-0.009	1.8315	12.063	1
5441_5441	5441	5441	-19.2645	0.021	-0.108	0.0495	1.2	-36.9555	1
5441_5442	5441	5442	-100.421	6.564	-0.207	0.033	1.038	-10.851	1
5442_5442	5442	5442	-19.26	-0.441	-0.0855	-0.0105	0.813	-37.029	1
5442_5443	5442	5443	-100.55	4.152	-0.0975	-0.003	-0.024	-56.217	1
5443_5443	5443	5443	-18.084	-0.9465	-0.003	0.018	-0.1125	-32.796	1
5443_5444	5443	5444	-89.3625	1.266	-0.0555	0.042	-0.378	-66.894	1
5444_5444	5444	5444	-18.0585	-1.359	0.0195	-0.0105	-0.141	-25.977	1
5444_5445	5444	5445	-89.3685	-0.774	0.054	-0.03	-0.0195	-61.311	1
5445_5445	5445	5445	-16.8435	-1.887	0.0015	0.003	-0.009	-16.1835	1
5445_5446	5445	5446	-81.5145	-3.0375	0.0045	0.006	-0.0015	-17.523	1
5446_5446	5446	5446	-15.7425	-2.439	-0.009	-0.003	0.006	11.1765	1
5446_5447	5446	5447	-75.372	-5.8995	-0.021	-0.003	-0.1845	38.6685	1
5447_5447	5447	5447	-15.69	-2.7615	0	0.0165	-0.066	32.775	1
5447_5448	5447	5448	-75.2445	-6.963	0.0195	0.0195	-0.102	69.1335	1
5448_5448	5448	5448	-15.0555	0.4305	0.0165	-0.036	-0.063	48.513	1
5448_5449	5448	5449	-70.578	7.6035	0.096	-0.072	0.2715	57.0855	1
5449_5449	5449	5449	-14.9835	-0.1335	-0.123	0.042	-0.0135	47.2695	1
5449_5450	5449	5450	-70.44	-7.0485	-0.4005	0.0765	-0.939	78.525	1
5450_5450	5450	5450	-13.884	2.9595	0.0315	0.0075	-0.396	47.856	1
5450_5451	5450	5451	-73.4235	6.9	-0.0375	0.003	0.33	30.7515	1
5451_5451	5451	5451	-13.944	2.6625	0.027	0.0045	-0.2205	31.4295	1
5451_5452	5451	5452	-73.554	5.334	-0.057	-0.012	-0.1725	-16.4955	1
5452_5452	5452	5452	-13.395	2.1345	-0.0045	0.006	0.027	7.7745	1
5452_5453	5452	5453	-79.686	3.0255	0.012	-0.006	0.006	-60.1005	1
5453_5453	5453	5453	-14.5395	1.0305	-0.006	0	0	-11.9985	1
5453_5454	5453	5454	-87.531	0.8415	-0.021	-0.0015	-0.144	-66.168	1
5454_5454	5454	5454	-14.5605	0.693	-0.003	-0.003	-0.0375	-19.437	1
5454_5455	5454	5455	-87.5265	-1.1925	-0.003	-0.0105	-0.1605	-57.567	1
5455_5455	5455	5455	-15.825	0.3405	0.024	0.006	-0.0555	-24.432	1
5455_5456	5455	5456	-98.6985	-3.9285	0.0855	0.0015	0.759	-13.1145	1
5456_5456	5456	5456	-15.8295	-0.0435	0.039	-0.0255	0.216	-28.143	1
5456_5457	5456	5457	-98.574	-6.3195	0.1785	-0.0285	1.386	8.937	1
5457_5457	5457	5457	-15.8925	0.0225	0.0795	0.003	0.3525	-27.9915	1
5457_5110	5457	5110	-98.733	-8.4285	-0.009	0.006	1.371	43.458	1
5460_5132	5460	5132	-22.2825	0.3075	0.2175	0.0015	-0.3465	-40.191	1
5460_5461	5460	5461	-113.249	10.695	0.6015	0.009	0.1185	20.4525	1
5461_5461	5461	5461	-22.212	0.3285	-0.0105	-0.0195	0.4815	-41.4555	1
5461_5462	5461	5462	-113.064	8.442	0.105	0.0015	0.396	-8.982	1
5462_5462	5462	5462	-22.2135	-0.2055	-0.03	0.009	0.4575	-42.5985	1
5462_5463	5462	5463	-113.235	5.727	0.003	0	0.435	-71.526	1
5463_5463	5463	5463	-21.5535	-0.7815	0.0135	-0.042	0.213	-40.467	1
5463_5464	5463	5464	-104.027	2.3925	0.0825	-0.108	1.185	-90.5265	1
5464_5464	5464	5464	-21.5295	-1.2825	-0.048	0.0495	0.3465	-34.83	1
5464_5465	5464	5465	-104.057	0.06	-0.2115	0.12	-0.258	-89.8095	1
5465_5465	5465	5465	-20.85	-1.9695	0	0.0015	-0.003	-25.767	1
5465_5466	5465	5466	-98.0235	-2.778	0.0135	0.0045	-0.0435	-50.331	1
5466_5466	5466	5466	-20.22	-2.667	-0.0135	0.018	0.0075	2.607	1
5466_5467	5466	5467	-93.768	-5.658	0.03	0.0045	0.207	-0.228	1
5467_5467	5467	5467	-20.1615	-3.0825	-0.0525	-0.027	-0.1305	26.2245	1
5467_5468	5467	5468	-93.6315	-7.584	-0.1485	0.0015	-0.621	41.925	1
5468_5468	5468	5468	-19.9605	1.0935	0	-0.039	-0.411	43.653	1
5468_5469	5468	5469	-90.744	11.6865	-0.0315	-0.0225	-0.6945	6.5925	1
5469_5469	5469	5469	-20.4765	-1.866	-0.0015	0.0105	-0.0255	18.045	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5469_5470	5469	5470	-84.9555	-11.343	0.039	-0.0105	0.264	29.616	1
5470_5470	5470	5470	-21.0495	2.478	-0.0075	-0.006	-0.0075	23.613	1
5470_5471	5470	5471	-88.1175	6.471	-0.06	0.003	-0.051	-12.3675	1
5471_5471	5471	5471	-21.096	2.0355	0.009	0.0015	-0.054	9.84	1
5471_5472	5471	5472	-88.2345	4.6185	0.006	-0.0045	0.009	-53.2995	1
5472_5472	5472	5472	-21.9855	1.3515	-0.0045	0	0.0255	-8.199	1
5472_5473	5472	5473	-92.661	2.055	-0.0105	-0.0015	-0.1395	-82.908	1
5473_5473	5473	5473	-22.9845	0.6795	0	0	-0.0225	-27.6645	1
5473_5474	5473	5474	-99.009	-0.3825	0.009	0.0015	-0.033	-80.151	1
5474_5474	5474	5474	-22.9935	0.144	0.0015	-0.0015	-0.021	-32.5605	1
5474_5475	5474	5475	-98.973	-2.6835	0.015	-0.0045	0.0795	-60.813	1
5475_5475	5475	5475	-23.934	-0.4545	0.0195	-0.0015	-0.0165	-33.6015	1
5475_5476	5475	5476	-108.671	-5.5635	0.0015	0	0.1005	-0.0525	1
5476_5476	5476	5476	-23.9175	-1.029	0.0105	0.0045	0.1995	-28.638	1
5476_5477	5476	5477	-108.506	-8.169	-0.042	-0.003	-0.0435	28.4445	1
5477_5477	5477	5477	-23.9895	-0.9765	-0.0105	0	0.273	-25.0485	1
5477_5148	5477	5148	-108.654	-10.1955	0.03	-0.0015	0.1155	70.188	1
5480_5168	5480	5168	-26.115	1.044	-0.0465	0	0.3945	-27.747	1
5480_5481	5480	5481	-114.456	10.893	-0.2625	-0.0045	-0.2985	30.8955	1
5481_5481	5481	5481	-26.052	1.059	0.033	-0.06	0.162	-32.025	1
5481_5482	5481	5482	-114.329	8.823	0.213	0.0105	0.4785	0.135	1
5482_5482	5482	5482	-26.07	0.4275	-0.0315	0.021	0.2985	-35.721	1
5482_5483	5482	5483	-114.509	6.048	-0.063	-0.0015	-0.2145	-65.8605	1
5483_5483	5483	5483	-25.3605	-0.2685	0.021	-0.0255	-0.057	-40.389	1
5483_5484	5483	5484	-104.852	2.7915	0.0825	-0.057	0.3675	-87.774	1
5484_5484	5484	5484	-25.347	-0.858	-0.0165	0.0285	0.1125	-38.454	1
5484_5485	5484	5485	-104.888	0.354	-0.0705	0.063	-0.0975	-90.3255	1
5485_5485	5485	5485	-24.555	-1.68	0.003	0.0015	-0.021	-32.5635	1
5485_5486	5485	5486	-98.4855	-2.379	0.012	0.003	0.0555	-56.0295	1
5486_5486	5486	5486	-23.82	-2.5245	-0.006	0.0045	0.03	-8.331	1
5486_5487	5486	5487	-93.9645	-5.277	0.0135	0.0015	0.1935	-9.297	1
5487_5487	5487	5487	-23.763	-3.0135	-0.0255	-0.006	-0.033	14.025	1
5487_5488	5487	5488	-93.8355	-7.209	-0.057	0.0045	-0.1185	30.765	1
5488_5488	5488	5488	-23.361	1.9005	0.0045	-0.012	-0.153	31.0065	1
5488_5489	5488	5489	-90.5865	12.0675	0.0195	0.0225	-0.033	-5.718	1
5489_5489	5489	5489	-18.6	-1.41	-0.018	0.066	-0.3375	27.681	1
5489_5490	5489	5490	-93.057	-12.6135	0.0585	0.036	-0.012	27.3705	1
5490_5490	5490	5490	-18.981	2.5005	0.018	-0.0135	-0.339	31.5705	1
5490_5491	5490	5491	-96.501	7.1295	-0.051	0.0015	-0.2595	-13.9035	1
5491_5491	5491	5491	-19.029	2.109	0.033	0.0045	-0.243	17.6745	1
5491_5492	5491	5492	-96.627	5.1435	0.0225	-0.003	-0.0615	-59.448	1
5492_5492	5492	5492	-19.749	1.458	-0.0015	-0.0015	0.0585	-1.1475	1
5492_5493	5492	5493	-101.345	2.1915	0.0105	-0.0015	0.1335	-91.0485	1
5493_5493	5493	5493	-20.5755	0.855	-0.0255	0.0165	0.042	-22.1745	1
5493_5494	5493	5494	-108.008	-0.6285	-0.0765	0.0585	-0.4275	-86.52	1
5494_5494	5494	5494	-20.589	0.3765	0.006	-0.021	-0.1245	-28.344	1
5494_5495	5494	5495	-107.964	-3.138	0.0795	-0.0585	0.1935	-63.9045	1
5495_5495	5495	5495	-21.3825	-0.168	0.069	0.018	-0.0885	-31.0605	1
5495_5496	5495	5496	-117.905	-6.483	-0.0135	-0.0045	0.051	6.888	1
5496_5496	5496	5496	-21.3735	-0.6795	0.1215	-0.0705	0.6915	-29.2335	1
5496_5497	5496	5497	-117.714	-9.309	0.27	0.0105	0.987	39.3585	1
5497_5497	5497	5497	-21.423	-0.651	-0.111	0.003	1.1595	-26.862	1
5497_5184	5497	5184	-117.818	-11.4765	-0.1965	0.0015	0.297	86.355	1
5500_5204	5500	5204	-19.641	0.0045	-0.1725	-0.009	1.959	-37.4895	1
5500_5501	5500	5501	-116.252	9.912	-0.384	-0.027	2.961	3.72	1
5501_5501	5501	5501	-19.5975	0.033	-0.1005	0.0345	1.2555	-37.506	1
5501_5502	5501	5502	-116.181	7.6965	-0.2655	0.057	2.0175	-23.124	1
5502_5502	5502	5502	-19.593	-0.438	-0.093	-0.003	0.8985	-37.62	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5502_5503	5502	5503	-116.333	5.0355	-0.2175	0	-0.3765	-74.658	1
5503_5503	5503	5503	-18.303	-0.933	0.0195	-0.012	-0.1065	-33.117	1
5503_5504	5503	5504	-104.495	1.3965	0.093	-0.042	0.3315	-86.778	1
5504_5504	5504	5504	-18.276	-1.359	-0.0075	0.0255	0.0495	-26.388	1
5504_5505	5504	5505	-104.499	-1.032	-0.06	0.0765	-0.0615	-79.332	1
5505_5505	5505	5505	-16.9635	-1.8945	-0.009	0.006	0.012	-16.6875	1
5505_5506	5505	5506	-95.307	-3.9885	-0.0135	0.0165	-0.2295	-21.828	1
5506_5506	5506	5506	-15.69	-2.4255	0.0645	0.018	-0.1065	10.6485	1
5506_5507	5506	5507	-87.7845	-6.9225	0.174	0.036	1.365	39.471	1
5507_5507	5507	5507	-15.6375	-2.748	0.0525	-0.015	0.4515	32.1225	1
5507_5508	5507	5508	-87.624	-8.727	0.1065	-0.021	1.9485	87.9705	1
5508_5508	5508	5508	-16.683	0.558	0.0375	-0.6465	-3.9825	45.3285	1
5508_5509	5508	5509	-81.4395	8.3655	-0.2805	0.2175	1.293	70.122	1
5509_5509	5509	5509	-16.731	-0.7575	-0.2535	0.612	-3.8595	43.6035	1
5509_5510	5509	5510	-81.375	-8.118	-0.1815	-0.2115	0.7425	94.767	1
5510_5510	5510	5510	-17.889	2.829	0.309	-0.0795	-4.353	45.7335	1
5510_5511	5510	5511	-85.1985	7.3575	0.0465	-0.054	-1.4745	18.324	1
5511_5511	5511	5511	-17.943	2.46	0.345	0.03	-2.6625	30.0075	1
5511_5512	5511	5512	-85.332	5.604	0.21	0.0105	0.366	-31.299	1
5512_5512	5512	5512	-19.497	1.8345	-0.03	-0.0075	0.4185	8.049	1
5512_5513	5512	5513	-93.216	2.775	-0.0225	-0.0105	0.0705	-71.322	1
5513_5513	5513	5513	-21.138	1.2255	-0.0375	0.0105	0.027	-18.363	1
5513_5514	5513	5514	-102.776	-0.099	-0.0645	0.039	-0.3465	-70.608	1
5514_5514	5514	5514	-21.1605	0.7425	-0.006	-0.024	-0.228	-27.1965	1
5514_5515	5514	5515	-102.747	-2.4435	0.0825	-0.0555	0.2865	-53.0205	1
5515_5515	5515	5515	-22.8105	0.1545	0.3015	0.0255	-0.231	-32.382	1
5515_5516	5515	5516	-114.921	-5.988	0.123	-0.0045	1.7115	12.375	1
5516_5516	5516	5516	-22.8075	-0.393	0.336	-0.1005	3.075	-34.062	1
5516_5517	5516	5517	-114.743	-8.7435	0.297	-0.027	2.7405	42.876	1
5517_5517	5517	5517	-22.8435	-0.4005	-0.3525	0.0135	4.5495	-32.6715	1
5517_5220	5517	5220	-114.8	-11.031	0.12	0.036	3.294	88.0275	1
5520_5240	5520	5240	-22.779	2.535	-0.966	-0.0105	8.325	-27.2775	1
5520_5521	5520	5521	-118.056	20.763	4.9215	0.249	19.8135	-9.906	1
5521_5521	5521	5521	-23.0655	0.1155	-0.1845	0.1905	1.815	-44.4795	1
5521_5522	5521	5522	-118.062	8.3775	-1.5675	0.3285	14.7615	-12.141	1
5522_5522	5522	5522	-23.061	-0.453	-0.0825	-0.0345	1.1175	-44.8875	1
5522_5523	5522	5523	-118.239	5.4645	-1.0575	-0.0885	3.1995	-71.8125	1
5523_5523	5523	5523	-21.819	-1.08	-0.0465	0.069	0.2895	-39.969	1
5523_5524	5523	5524	-109.191	1.9935	-0.384	0.1845	0.909	-86.0265	1
5524_5524	5524	5524	-21.7875	-1.5855	0.027	-0.0345	-0.0825	-32.1885	1
5524_5525	5524	5525	-109.208	-0.5385	-0.027	-0.1185	0.618	-82.149	1
5525_5525	5525	5525	-20.58	-2.2725	-0.0495	0.009	0.18	-20.868	1
5525_5526	5525	5526	-100.848	-3.699	-0.12	0.0195	-0.6795	-28.713	1
5526_5526	5526	5526	-19.494	-2.9745	0.1725	-0.012	-0.4545	12.048	1
5526_5527	5526	5527	-93.4305	-6.9195	1.0515	0.048	9.018	32.643	1
5527_5527	5527	5527	-19.4265	-3.384	0.1965	0.009	1.0875	38.3985	1
5527_5528	5527	5528	-93.2625	-8.8875	1.1625	-0.105	15.495	81.999	1
5528_5528	5528	5528	-18.747	0.642	-0.111	0.2355	2.3205	57.2475	1
5528_5529	5528	5529	-91.14	10.659	0.918	-1.8705	-16.11	28.4355	1
5529_5529	5529	5529	-18.6645	-0.321	-0.054	-0.279	1.9935	55.407	1
5529_5530	5529	5530	-91.3935	-11.4	-0.441	1.7595	-17.4195	62.0565	1
5530_5530	5530	5530	-20.3595	3.426	0.7545	-0.162	-11.187	54.321	1
5530_5531	5530	5531	-99.7935	7.8525	1.029	-0.195	-11.271	8.1675	1
5531_5531	5531	5531	-20.424	3.003	0.7995	0.0555	-7.0275	35.2785	1
5531_5532	5531	5532	-99.933	5.781	1.2405	0.0555	-0.2895	-43.029	1
5532_5532	5532	5532	-22.3005	2.235	-0.051	-0.009	0.189	8.625	1
5532_5533	5532	5533	-107.897	2.076	-0.105	-0.015	-1.3905	-72.9885	1
5533_5533	5533	5533	-24.3975	1.5255	-0.033	0.0045	-0.3765	-23.5065	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5533_5534	5533	5534	-116.607	-1.095	-0.0555	-0.006	-1.3125	-68.8125	1
5534_5534	5534	5534	-24.426	0.957	-0.015	-0.006	-0.612	-34.509	1
5534_5535	5534	5535	-116.55	-3.8085	0.0285	-0.0255	-1.086	-41.358	1
5535_5535	5535	5535	-26.7255	0.309	0.546	0.0285	-0.537	-41.391	1
5535_5536	5535	5536	-125.687	-7.8045	0.657	0.006	6.576	43.6605	1
5536_5536	5536	5536	-26.7255	-0.3255	0.54	-0.0885	5.424	-44.76	1
5536_5537	5536	5537	-125.468	-10.7805	0.6285	-0.1605	8.7645	81.2235	1
5537_5537	5537	5537	-26.6655	-0.3585	0.0585	0.1515	7.6365	-43.563	1
5537_5254	5537	5254	-125.396	-12.6555	0.327	0.4215	10.662	133.095	1
5540_5278	5540	5278	-24.366	-0.1665	0.252	0.0705	1.1265	-56.5035	1
5540_5541	5540	5541	-126.485	11.7885	0.4305	-0.3165	9.633	64.1925	1
5541_5541	5541	5541	-24.171	-0.15	-0.093	0.1665	2.31	-55.725	1
5541_5542	5541	5542	-125.895	10.359	-0.792	0.1185	7.6395	28.2285	1
5542_5542	5542	5542	-24.1605	-0.7425	-0.0435	0.0045	1.9545	-55.2015	1
5542_5543	5542	5543	-126.113	7.269	-0.537	-0.0105	1.7925	-51.147	1
5543_5543	5543	5543	-22.623	-1.386	-0.1215	0.09	1.614	-47.031	1
5543_5544	5543	5544	-118.251	3.18	-0.285	0.132	0.5835	-73.806	1
5544_5544	5544	5544	-22.584	-1.9185	-0.057	-0.0315	0.705	-37.0455	1
5544_5545	5544	5545	-118.293	0.39	0.045	-0.087	0.837	-76.6155	1
5545_5545	5545	5545	-21.1425	-2.6115	-0.087	0.0045	0.4515	-23.229	1
5545_5546	5545	5546	-110.24	-3.369	-0.1395	-0.0045	-0.42	-27.807	1
5546_5546	5546	5546	-19.992	-3.3825	0.4755	-0.0255	-0.633	14.448	1
5546_5547	5546	5547	-103.455	-6.822	2.043	0.066	18.492	28.8495	1
5547_5547	5547	5547	-19.9185	-3.789	0.507	-0.036	3.609	44.3925	1
5547_5548	5547	5548	-103.292	-8.928	2.196	-0.27	30.7155	78.48	1
5548_5548	5548	5548	-18.7395	0.354	-0.417	0.72	6.627	65.5065	1
5548_5549	5548	5549	-94.4805	11.454	-1.536	3.384	26.82	54.5715	1
5549_5549	5549	5549	-18.612	0.144	-0.024	-0.8925	5.43	65.0025	1
5549_5550	5549	5550	-94.095	-9.4965	0.3375	-3.7275	28.002	85.446	1
5550_5550	5550	5550	-16.929	4.02	-0.3645	-0.0285	5.2335	64.491	1
5550_5551	5550	5551	-95.3955	6.879	1.3425	-0.225	-15.1695	-19.1355	1
5551_5551	5551	5551	-17.016	3.636	-0.324	-0.012	3.1305	41.7225	1
5551_5552	5551	5552	-95.5245	4.716	1.5495	0.078	-2.1	-58.8675	1
5552_5552	5552	5552	-16.35	2.9505	-0.111	0.012	0.3015	10.794	1
5552_5553	5552	5553	-100.581	0.5475	0	-0.018	-1.6755	-66.6525	1
5553_5553	5553	5553	-15.8085	2.2425	-0.06	0.0435	-1.245	-30.393	1
5553_5554	5553	5554	-106.418	-3.498	0.195	-0.0105	0.2205	-42.042	1
5554_5554	5554	5554	-15.861	1.836	-0.042	0.033	-1.653	-46.1865	1
5554_5555	5554	5555	-106.293	-6.234	0.315	-0.0645	2.4525	1.8705	1
5555_5555	5555	5555	-15.45	1.164	-0.264	0.06	-1.8465	-57.0375	1
5555_5556	5555	5556	-112.65	-9.921	1.659	-0.015	20.319	95.694	1
5556_5556	5556	5556	-15.477	0.735	-0.225	0.0165	-4.614	-69.45	1
5556_5557	5556	5557	-112.326	-13.0515	1.9305	-0.342	26.8665	140.457	1
5557_5557	5557	5557	-15.6165	0.741	0.138	0.141	-5.4525	-71.91	1
5557_5290	5557	5290	-110.892	-14.8455	-1.7085	-1.0485	18.297	221.6775	1
45000_5000	45000	5000	0	0	0	0	0	0	0
45000_5001	45000	5001	0	0	0	0	0	0	0
45001_5001	45001	5001	0	0	0	0	0	0	0
45001_5002	45001	5002	0	0	0	0	0	0	0
45002_5002	45002	5002	0	0	0	0	0	0	0
45002_5003	45002	5003	0	0	0	0	0	0	0
45003_5003	45003	5003	0	0	0	0	0	0	0
45003_5004	45003	5004	0	0	0	0	0	0	0
45004_5004	45004	5004	0	0	0	0	0	0	0
45004_5005	45004	5005	0	0	0	0	0	0	0
45005_5005	45005	5005	0	0	0	0	0	0	0
45005_5006	45005	5006	0	0	0	0	0	0	0
45006_5006	45006	5006	0	0	0	0	0	0	0

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45006_5007	45006	5007	0	0	0	0	0	0	0
45007_5007	45007	5007	0	0	0	0	0	0	0
45007_5008	45007	5008	0	0	0	0	0	0	0
45008_5008	45008	5008	0	0	0	0	0	0	0
45008_5009	45008	5009	0	0	0	0	0	0	0
45009_5009	45009	5009	0	0	0	0	0	0	0
45009_5010	45009	5010	0	0	0	0	0	0	0
45010_5010	45010	5010	0	0	0	0	0	0	0
45010_5011	45010	5011	0	0	0	0	0	0	0
45011_5011	45011	5011	0	0	0	0	0	0	0
45011_5012	45011	5012	0	0	0	0	0	0	0
45012_5012	45012	5012	0	0	0	0	0	0	0
45012_5013	45012	5013	0	0	0	0	0	0	0
45013_5013	45013	5013	0	0	0	0	0	0	0
45013_5014	45013	5014	0	0	0	0	0	0	0
45014_5014	45014	5014	0	0	0	0	0	0	0
45014_5015	45014	5015	0	0	0	0	0	0	0
45015_5015	45015	5015	0	0	0	0	0	0	0
45015_5016	45015	5016	0	0	0	0	0	0	0
45016_5016	45016	5016	0	0	0	0	0	0	0
45016_5017	45016	5017	0	0	0	0	0	0	0
45017_5017	45017	5017	0	0	0	0	0	0	0
45017_5018	45017	5018	0	0	0	0	0	0	0
45018_5018	45018	5018	0	0	0	0	0	0	0
45018_5019	45018	5019	0	0	0	0	0	0	0
45019_5019	45019	5019	0	0	0	0	0	0	0
45019_5020	45019	5020	0	0	0	0	0	0	0
45020_5020	45020	5020	0	0	0	0	0	0	0
45020_5021	45020	5021	0	0	0	0	0	0	0
45021_5021	45021	5021	0	0	0	0	0	0	0
45021_5022	45021	5022	0	0	0	0	0	0	0
45022_5022	45022	5022	0	0	0	0	0	0	0
45022_5023	45022	5023	0	0	0	0	0	0	0
45023_5023	45023	5023	0	0	0	0	0	0	0
45023_5024	45023	5024	0	0	0	0	0	0	0
45024_5024	45024	5024	0	0	0	0	0	0	0
45024_5025	45024	5025	0	0	0	0	0	0	0
45025_5025	45025	5025	0	0	0	0	0	0	0
45025_5026	45025	5026	0	0	0	0	0	0	0
45026_5026	45026	5026	0	0	0	0	0	0	0
45026_5027	45026	5027	0	0	0	0	0	0	0
45027_5027	45027	5027	0	0	0	0	0	0	0
45027_5028	45027	5028	0	0	0	0	0	0	0
45028_5028	45028	5028	0	0	0	0	0	0	0
45028_5029	45028	5029	0	0	0	0	0	0	0
45029_5029	45029	5029	0	0	0	0	0	0	0
45029_5030	45029	5030	0	0	0	0	0	0	0
45030_5030	45030	5030	0	0	0	0	0	0	0
45030_5031	45030	5031	0	0	0	0	0	0	0
45031_5031	45031	5031	0	0	0	0	0	0	0
45031_5032	45031	5032	0	0	0	0	0	0	0
45032_5032	45032	5032	0	0	0	0	0	0	0
45032_5033	45032	5033	0	0	0	0	0	0	0
45033_5033	45033	5033	0	0	0	0	0	0	0
45033_5034	45033	5034	0	0	0	0	0	0	0
45034_5034	45034	5034	0	0	0	0	0	0	0
45034_5035	45034	5035	0	0	0	0	0	0	0
45035_5035	45035	5035	0	0	0	0	0	0	0

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45035_5036	45035	5036	0	0	0	0	0	0	0
45036_5036	45036	5036	0	0	0	0	0	0	0
45036_5037	45036	5037	0	0	0	0	0	0	0
45037_5037	45037	5037	0	0	0	0	0	0	0
45037_5038	45037	5038	0	0	0	0	0	0	0
45038_5038	45038	5038	0	0	0	0	0	0	0
45038_5039	45038	5039	0	0	0	0	0	0	0
45039_5039	45039	5039	0	0	0	0	0	0	0
45039_5040	45039	5040	0	0	0	0	0	0	0
45040_5040	45040	5040	0	0	0	0	0	0	0
45040_5041	45040	5041	0	0	0	0	0	0	0
45041_5041	45041	5041	0	0	0	0	0	0	0
45041_5042	45041	5042	0	0	0	0	0	0	0
45042_5042	45042	5042	0	0	0	0	0	0	0
45042_5043	45042	5043	0	0	0	0	0	0	0
45043_5043	45043	5043	0	0	0	0	0	0	0
45043_5044	45043	5044	0	0	0	0	0	0	0
45044_5044	45044	5044	0	0	0	0	0	0	0
45044_5045	45044	5045	0	0	0	0	0	0	0
45045_5045	45045	5045	0	0	0	0	0	0	0
45045_5046	45045	5046	0	0	0	0	0	0	0
45046_5046	45046	5046	0	0	0	0	0	0	0
45046_5047	45046	5047	0	0	0	0	0	0	0
45047_5047	45047	5047	0	0	0	0	0	0	0
45047_5048	45047	5048	0	0	0	0	0	0	0
45048_5048	45048	5048	0	0	0	0	0	0	0
45048_5049	45048	5049	0	0	0	0	0	0	0
45049_5049	45049	5049	0	0	0	0	0	0	0
45049_5050	45049	5050	0	0	0	0	0	0	0
45050_5050	45050	5050	0	0	0	0	0	0	0
45050_5051	45050	5051	0	0	0	0	0	0	0
45051_5051	45051	5051	0	0	0	0	0	0	0
45051_5052	45051	5052	0	0	0	0	0	0	0
45052_5052	45052	5052	0	0	0	0	0	0	0
45052_5053	45052	5053	0	0	0	0	0	0	0
45053_5053	45053	5053	0	0	0	0	0	0	0
45053_5054	45053	5054	0	0	0	0	0	0	0
45054_5054	45054	5054	0	0	0	0	0	0	0
45054_5055	45054	5055	0	0	0	0	0	0	0
45055_5055	45055	5055	0	0	0	0	0	0	0
45055_5056	45055	5056	0	0	0	0	0	0	0
45056_5056	45056	5056	0	0	0	0	0	0	0
45056_5057	45056	5057	0	0	0	0	0	0	0
45057_5057	45057	5057	0	0	0	0	0	0	0
45057_5058	45057	5058	0	0	0	0	0	0	0
45058_5058	45058	5058	0	0	0	0	0	0	0
45058_5059	45058	5059	0	0	0	0	0	0	0
45059_5059	45059	5059	0	0	0	0	0	0	0
45059_5060	45059	5060	0	0	0	0	0	0	0
45060_5060	45060	5060	0	0	0	0	0	0	0
45060_5061	45060	5061	0	0	0	0	0	0	0
45061_5061	45061	5061	0	0	0	0	0	0	0
45061_5062	45061	5062	0	0	0	0	0	0	0
45062_5062	45062	5062	0	0	0	0	0	0	0
45062_5063	45062	5063	0	0	0	0	0	0	0
45063_5063	45063	5063	0	0	0	0	0	0	0
45063_5064	45063	5064	0	0	0	0	0	0	0
45064_5064	45064	5064	0	0	0	0	0	0	0

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45064_5065	45064	5065	0	0	0	0	0	0	0
45065_5065	45065	5065	0	0	0	0	0	0	0
45065_5066	45065	5066	0	0	0	0	0	0	0
45066_5066	45066	5066	0	0	0	0	0	0	0
45066_5067	45066	5067	0	0	0	0	0	0	0
45067_5067	45067	5067	0	0	0	0	0	0	0
45067_5068	45067	5068	0	0	0	0	0	0	0
45068_5068	45068	5068	0	0	0	0	0	0	0
45068_5069	45068	5069	0	0	0	0	0	0	0
45069_5069	45069	5069	0	0	0	0	0	0	0
45069_5070	45069	5070	0	0	0	0	0	0	0
45070_5070	45070	5070	0	0	0	0	0	0	0
45070_5071	45070	5071	0	0	0	0	0	0	0
45071_5071	45071	5071	0	0	0	0	0	0	0
45071_5072	45071	5072	0	0	0	0	0	0	0
45072_5072	45072	5072	0	0	0	0	0	0	0
45072_5073	45072	5073	0	0	0	0	0	0	0
45073_5073	45073	5073	0	0	0	0	0	0	0
45073_5074	45073	5074	0	0	0	0	0	0	0
45074_5074	45074	5074	0	0	0	0	0	0	0
45074_5075	45074	5075	0	0	0	0	0	0	0
45075_5075	45075	5075	0	0	0	0	0	0	0
45075_5076	45075	5076	0	0	0	0	0	0	0
45076_5076	45076	5076	0	0	0	0	0	0	0
45076_5077	45076	5077	0	0	0	0	0	0	0
45077_5077	45077	5077	0	0	0	0	0	0	0
45077_5078	45077	5078	0	0	0	0	0	0	0
45078_5078	45078	5078	0	0	0	0	0	0	0
45078_5079	45078	5079	0	0	0	0	0	0	0
45079_5079	45079	5079	0	0	0	0	0	0	0
45079_5080	45079	5080	0	0	0	0	0	0	0
45080_5080	45080	5080	0	0	0	0	0	0	0
45080_5081	45080	5081	0	0	0	0	0	0	0
45081_5081	45081	5081	0	0	0	0	0	0	0
45081_5082	45081	5082	0	0	0	0	0	0	0
45082_5082	45082	5082	0	0	0	0	0	0	0
45082_5083	45082	5083	0	0	0	0	0	0	0
45083_5083	45083	5083	0	0	0	0	0	0	0
45083_5084	45083	5084	0	0	0	0	0	0	0
45084_5084	45084	5084	0	0	0	0	0	0	0
45084_5085	45084	5085	0	0	0	0	0	0	0
45085_5085	45085	5085	0	0	0	0	0	0	0
45085_5086	45085	5086	0	0	0	0	0	0	0
45086_5086	45086	5086	0	0	0	0	0	0	0
45086_5087	45086	5087	0	0	0	0	0	0	0
45087_5087	45087	5087	0	0	0	0	0	0	0
45087_5088	45087	5088	0	0	0	0	0	0	0
45088_5088	45088	5088	0	0	0	0	0	0	0
45088_5089	45088	5089	0	0	0	0	0	0	0
45089_5089	45089	5089	0	0	0	0	0	0	0
45089_5090	45089	5090	0	0	0	0	0	0	0
45090_5090	45090	5090	0	0	0	0	0	0	0
45090_5091	45090	5091	0	0	0	0	0	0	0
45091_5091	45091	5091	0	0	0	0	0	0	0
45091_5092	45091	5092	0	0	0	0	0	0	0
45092_5092	45092	5092	0	0	0	0	0	0	0
45092_5093	45092	5093	0	0	0	0	0	0	0
45093_5093	45093	5093	0	0	0	0	0	0	0

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45093_5094	45093	5094	0	0	0	0	0	0	0
45094_5094	45094	5094	0	0	0	0	0	0	0
45094_5095	45094	5095	0	0	0	0	0	0	0
45095_5095	45095	5095	0	0	0	0	0	0	0
45095_5096	45095	5096	0	0	0	0	0	0	0
45096_5096	45096	5096	0	0	0	0	0	0	0
45096_5097	45096	5097	0	0	0	0	0	0	0
45097_5097	45097	5097	0	0	0	0	0	0	0
45097_5098	45097	5098	0	0	0	0	0	0	0
45098_5098	45098	5098	0	0	0	0	0	0	0
45098_5099	45098	5099	0	0	0	0	0	0	0
45099_5099	45099	5099	0	0	0	0	0	0	0
45099_5100	45099	5100	0	0	0	0	0	0	0
45100_5100	45100	5100	0	0	0	0	0	0	0
45100_5101	45100	5101	0	0	0	0	0	0	0
45101_5101	45101	5101	0	0	0	0	0	0	0
45101_5102	45101	5102	0	0	0	0	0	0	0
45102_5102	45102	5102	0	0	0	0	0	0	0
45102_5103	45102	5103	0	0	0	0	0	0	0
45103_5103	45103	5103	0	0	0	0	0	0	0
45103_5104	45103	5104	0	0	0	0	0	0	0
45104_5104	45104	5104	0	0	0	0	0	0	0
45104_5105	45104	5105	0	0	0	0	0	0	0
45105_5105	45105	5105	0	0	0	0	0	0	0
45105_5106	45105	5106	0	0	0	0	0	0	0
45106_5106	45106	5106	0	0	0	0	0	0	0
45106_5107	45106	5107	0	0	0	0	0	0	0
45107_5107	45107	5107	0	0	0	0	0	0	0
45107_5108	45107	5108	0	0	0	0	0	0	0
45108_5108	45108	5108	0	0	0	0	0	0	0
45108_5109	45108	5109	0	0	0	0	0	0	0
45109_5109	45109	5109	0	0	0	0	0	0	0
45109_5110	45109	5110	0	0	0	0	0	0	0
45110_5110	45110	5110	0	0	0	0	0	0	0
45110_5111	45110	5111	0	0	0	0	0	0	0
45111_5111	45111	5111	0	0	0	0	0	0	0
45111_5112	45111	5112	0	0	0	0	0	0	0
45112_5112	45112	5112	0	0	0	0	0	0	0
45112_5113	45112	5113	0	0	0	0	0	0	0
45113_5113	45113	5113	0	0	0	0	0	0	0
45113_5114	45113	5114	0	0	0	0	0	0	0
45114_5114	45114	5114	0	0	0	0	0	0	0
45114_5115	45114	5115	0	0	0	0	0	0	0
45115_5115	45115	5115	0	0	0	0	0	0	0
45115_5116	45115	5116	0	0	0	0	0	0	0
45116_5116	45116	5116	0	0	0	0	0	0	0
45116_5117	45116	5117	0	0	0	0	0	0	0
45117_5117	45117	5117	0	0	0	0	0	0	0
45117_5118	45117	5118	0	0	0	0	0	0	0
45118_5118	45118	5118	0	0	0	0	0	0	0
45118_5119	45118	5119	0	0	0	0	0	0	0
45119_5119	45119	5119	0	0	0	0	0	0	0
45119_5120	45119	5120	0	0	0	0	0	0	0
45120_5120	45120	5120	0	0	0	0	0	0	0
45120_5121	45120	5121	0	0	0	0	0	0	0
45121_5121	45121	5121	0	0	0	0	0	0	0
45121_5122	45121	5122	0	0	0	0	0	0	0
45122_5122	45122	5122	0	0	0	0	0	0	0

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45122_5123	45122	5123	0	0	0	0	0	0	0
45123_5123	45123	5123	0	0	0	0	0	0	0
45123_5124	45123	5124	0	0	0	0	0	0	0
45124_5124	45124	5124	0	0	0	0	0	0	0
45124_5125	45124	5125	0	0	0	0	0	0	0
45125_5125	45125	5125	0	0	0	0	0	0	0
45125_5126	45125	5126	0	0	0	0	0	0	0
45126_5126	45126	5126	0	0	0	0	0	0	0
45126_5127	45126	5127	0	0	0	0	0	0	0
45127_5127	45127	5127	0	0	0	0	0	0	0
45127_5128	45127	5128	0	0	0	0	0	0	0
45128_5128	45128	5128	0	0	0	0	0	0	0
45128_5129	45128	5129	0	0	0	0	0	0	0
45129_5129	45129	5129	0	0	0	0	0	0	0
45129_5130	45129	5130	0	0	0	0	0	0	0
45130_5130	45130	5130	0	0	0	0	0	0	0
45130_5131	45130	5131	0	0	0	0	0	0	0
45131_5131	45131	5131	0	0	0	0	0	0	0
45131_5132	45131	5132	0	0	0	0	0	0	0
45132_5132	45132	5132	0	0	0	0	0	0	0
45132_5133	45132	5133	0	0	0	0	0	0	0
45133_5133	45133	5133	0	0	0	0	0	0	0
45133_5134	45133	5134	0	0	0	0	0	0	0
45134_5134	45134	5134	0	0	0	0	0	0	0
45134_5135	45134	5135	0	0	0	0	0	0	0
45135_5135	45135	5135	0	0	0	0	0	0	0
45135_5136	45135	5136	0	0	0	0	0	0	0
45136_5136	45136	5136	0	0	0	0	0	0	0
45136_5137	45136	5137	0	0	0	0	0	0	0
45137_5137	45137	5137	0	0	0	0	0	0	0
45137_5138	45137	5138	0	0	0	0	0	0	0
45138_5138	45138	5138	0	0	0	0	0	0	0
45138_5139	45138	5139	0	0	0	0	0	0	0
45139_5139	45139	5139	0	0	0	0	0	0	0
45139_5140	45139	5140	0	0	0	0	0	0	0
45140_5140	45140	5140	0	0	0	0	0	0	0
45140_5141	45140	5141	0	0	0	0	0	0	0
45141_5141	45141	5141	0	0	0	0	0	0	0
45141_5142	45141	5142	0	0	0	0	0	0	0
45142_5142	45142	5142	0	0	0	0	0	0	0
45142_5143	45142	5143	0	0	0	0	0	0	0
45143_5143	45143	5143	0	0	0	0	0	0	0
45143_5144	45143	5144	0	0	0	0	0	0	0
45144_5144	45144	5144	0	0	0	0	0	0	0
45144_5145	45144	5145	0	0	0	0	0	0	0
45145_5145	45145	5145	0	0	0	0	0	0	0
45145_5146	45145	5146	0	0	0	0	0	0	0
45146_5146	45146	5146	0	0	0	0	0	0	0
45146_5147	45146	5147	0	0	0	0	0	0	0
45147_5147	45147	5147	0	0	0	0	0	0	0
45147_5148	45147	5148	0	0	0	0	0	0	0
45148_5148	45148	5148	0	0	0	0	0	0	0
45148_5149	45148	5149	0	0	0	0	0	0	0
45149_5149	45149	5149	0	0	0	0	0	0	0
45149_5150	45149	5150	0	0	0	0	0	0	0
45150_5150	45150	5150	0	0	0	0	0	0	0
45150_5151	45150	5151	0	0	0	0	0	0	0
45151_5151	45151	5151	0	0	0	0	0	0	0

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45151_5152	45151	5152	0	0	0	0	0	0	0
45152_5152	45152	5152	0	0	0	0	0	0	0
45152_5153	45152	5153	0	0	0	0	0	0	0
45153_5153	45153	5153	0	0	0	0	0	0	0
45153_5154	45153	5154	0	0	0	0	0	0	0
45154_5154	45154	5154	0	0	0	0	0	0	0
45154_5155	45154	5155	0	0	0	0	0	0	0
45155_5155	45155	5155	0	0	0	0	0	0	0
45155_5156	45155	5156	0	0	0	0	0	0	0
45156_5156	45156	5156	0	0	0	0	0	0	0
45156_5157	45156	5157	0	0	0	0	0	0	0
45157_5157	45157	5157	0	0	0	0	0	0	0
45157_5158	45157	5158	0	0	0	0	0	0	0
45158_5158	45158	5158	0	0	0	0	0	0	0
45158_5159	45158	5159	0	0	0	0	0	0	0
45159_5159	45159	5159	0	0	0	0	0	0	0
45159_5160	45159	5160	0	0	0	0	0	0	0
45160_5160	45160	5160	0	0	0	0	0	0	0
45160_5161	45160	5161	0	0	0	0	0	0	0
45161_5161	45161	5161	0	0	0	0	0	0	0
45161_5162	45161	5162	0	0	0	0	0	0	0
45162_5162	45162	5162	0	0	0	0	0	0	0
45162_5163	45162	5163	0	0	0	0	0	0	0
45163_5163	45163	5163	0	0	0	0	0	0	0
45163_5164	45163	5164	0	0	0	0	0	0	0
45164_5164	45164	5164	0	0	0	0	0	0	0
45164_5165	45164	5165	0	0	0	0	0	0	0
45165_5165	45165	5165	0	0	0	0	0	0	0
45165_5166	45165	5166	0	0	0	0	0	0	0
45166_5166	45166	5166	0	0	0	0	0	0	0
45166_5167	45166	5167	0	0	0	0	0	0	0
45167_5167	45167	5167	0	0	0	0	0	0	0
45167_5168	45167	5168	0	0	0	0	0	0	0
45168_5168	45168	5168	0	0	0	0	0	0	0
45168_5169	45168	5169	0	0	0	0	0	0	0
45169_5169	45169	5169	0	0	0	0	0	0	0
45169_5170	45169	5170	0	0	0	0	0	0	0
45170_5170	45170	5170	0	0	0	0	0	0	0
45170_5171	45170	5171	0	0	0	0	0	0	0
45171_5171	45171	5171	0	0	0	0	0	0	0
45171_5172	45171	5172	0	0	0	0	0	0	0
45172_5172	45172	5172	0	0	0	0	0	0	0
45172_5173	45172	5173	0	0	0	0	0	0	0
45173_5173	45173	5173	0	0	0	0	0	0	0
45173_5174	45173	5174	0	0	0	0	0	0	0
45174_5174	45174	5174	0	0	0	0	0	0	0
45174_5175	45174	5175	0	0	0	0	0	0	0
45175_5175	45175	5175	0	0	0	0	0	0	0
45175_5176	45175	5176	0	0	0	0	0	0	0
45176_5176	45176	5176	0	0	0	0	0	0	0
45176_5177	45176	5177	0	0	0	0	0	0	0
45177_5177	45177	5177	0	0	0	0	0	0	0
45177_5178	45177	5178	0	0	0	0	0	0	0
45178_5178	45178	5178	0	0	0	0	0	0	0
45178_5179	45178	5179	0	0	0	0	0	0	0
45179_5179	45179	5179	0	0	0	0	0	0	0
45179_5180	45179	5180	0	0	0	0	0	0	0
45180_5180	45180	5180	0	0	0	0	0	0	0

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45180_5181	45180	5181	0	0	0	0	0	0	0
45181_5181	45181	5181	0	0	0	0	0	0	0
45181_5182	45181	5182	0	0	0	0	0	0	0
45182_5182	45182	5182	0	0	0	0	0	0	0
45182_5183	45182	5183	0	0	0	0	0	0	0
45183_5183	45183	5183	0	0	0	0	0	0	0
45183_5184	45183	5184	0	0	0	0	0	0	0
45184_5184	45184	5184	0	0	0	0	0	0	0
45184_5185	45184	5185	0	0	0	0	0	0	0
45185_5185	45185	5185	0	0	0	0	0	0	0
45185_5186	45185	5186	0	0	0	0	0	0	0
45186_5186	45186	5186	0	0	0	0	0	0	0
45186_5187	45186	5187	0	0	0	0	0	0	0
45187_5187	45187	5187	0	0	0	0	0	0	0
45187_5188	45187	5188	0	0	0	0	0	0	0
45188_5188	45188	5188	0	0	0	0	0	0	0
45188_5189	45188	5189	0	0	0	0	0	0	0
45189_5189	45189	5189	0	0	0	0	0	0	0
45189_5190	45189	5190	0	0	0	0	0	0	0
45190_5190	45190	5190	0	0	0	0	0	0	0
45190_5191	45190	5191	0	0	0	0	0	0	0
45191_5191	45191	5191	0	0	0	0	0	0	0
45191_5192	45191	5192	0	0	0	0	0	0	0
45192_5192	45192	5192	0	0	0	0	0	0	0
45192_5193	45192	5193	0	0	0	0	0	0	0
45193_5193	45193	5193	0	0	0	0	0	0	0
45193_5194	45193	5194	0	0	0	0	0	0	0
45194_5194	45194	5194	0	0	0	0	0	0	0
45194_5195	45194	5195	0	0	0	0	0	0	0
45195_5195	45195	5195	0	0	0	0	0	0	0
45195_5196	45195	5196	0	0	0	0	0	0	0
45196_5196	45196	5196	0	0	0	0	0	0	0
45196_5197	45196	5197	0	0	0	0	0	0	0
45197_5197	45197	5197	0	0	0	0	0	0	0
45197_5198	45197	5198	0	0	0	0	0	0	0
45198_5198	45198	5198	0	0	0	0	0	0	0
45198_5199	45198	5199	0	0	0	0	0	0	0
45199_5199	45199	5199	0	0	0	0	0	0	0
45199_5200	45199	5200	0	0	0	0	0	0	0
45200_5200	45200	5200	0	0	0	0	0	0	0
45200_5201	45200	5201	0	0	0	0	0	0	0
45201_5201	45201	5201	0	0	0	0	0	0	0
45201_5202	45201	5202	0	0	0	0	0	0	0
45202_5202	45202	5202	0	0	0	0	0	0	0
45202_5203	45202	5203	0	0	0	0	0	0	0
45203_5203	45203	5203	0	0	0	0	0	0	0
45203_5204	45203	5204	0	0	0	0	0	0	0
45204_5204	45204	5204	0	0	0	0	0	0	0
45204_5205	45204	5205	0	0	0	0	0	0	0
45205_5205	45205	5205	0	0	0	0	0	0	0
45205_5206	45205	5206	0	0	0	0	0	0	0
45206_5206	45206	5206	0	0	0	0	0	0	0
45206_5207	45206	5207	0	0	0	0	0	0	0
45207_5207	45207	5207	0	0	0	0	0	0	0
45207_5208	45207	5208	0	0	0	0	0	0	0
45208_5208	45208	5208	0	0	0	0	0	0	0
45208_5209	45208	5209	0	0	0	0	0	0	0
45209_5209	45209	5209	0	0	0	0	0	0	0

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45209_5210	45209	5210	0	0	0	0	0	0	0
45210_5210	45210	5210	0	0	0	0	0	0	0
45210_5211	45210	5211	0	0	0	0	0	0	0
45211_5211	45211	5211	0	0	0	0	0	0	0
45211_5212	45211	5212	0	0	0	0	0	0	0
45212_5212	45212	5212	0	0	0	0	0	0	0
45212_5213	45212	5213	0	0	0	0	0	0	0
45213_5213	45213	5213	0	0	0	0	0	0	0
45213_5214	45213	5214	0	0	0	0	0	0	0
45214_5214	45214	5214	0	0	0	0	0	0	0
45214_5215	45214	5215	0	0	0	0	0	0	0
45215_5215	45215	5215	0	0	0	0	0	0	0
45215_5216	45215	5216	0	0	0	0	0	0	0
45216_5216	45216	5216	0	0	0	0	0	0	0
45216_5217	45216	5217	0	0	0	0	0	0	0
45217_5217	45217	5217	0	0	0	0	0	0	0
45217_5218	45217	5218	0	0	0	0	0	0	0
45218_5218	45218	5218	0	0	0	0	0	0	0
45218_5219	45218	5219	0	0	0	0	0	0	0
45219_5219	45219	5219	0	0	0	0	0	0	0
45219_5220	45219	5220	0	0	0	0	0	0	0
45220_5220	45220	5220	0	0	0	0	0	0	0
45220_5221	45220	5221	0	0	0	0	0	0	0
45221_5221	45221	5221	0	0	0	0	0	0	0
45221_5222	45221	5222	0	0	0	0	0	0	0
45222_5222	45222	5222	0	0	0	0	0	0	0
45222_5223	45222	5223	0	0	0	0	0	0	0
45223_5223	45223	5223	0	0	0	0	0	0	0
45223_5224	45223	5224	0	0	0	0	0	0	0
45224_5224	45224	5224	0	0	0	0	0	0	0
45224_5225	45224	5225	0	0	0	0	0	0	0
45225_5225	45225	5225	0	0	0	0	0	0	0
45225_5226	45225	5226	0	0	0	0	0	0	0
45226_5226	45226	5226	0	0	0	0	0	0	0
45226_5227	45226	5227	0	0	0	0	0	0	0
45227_5227	45227	5227	0	0	0	0	0	0	0
45227_5228	45227	5228	0	0	0	0	0	0	0
45228_5228	45228	5228	0	0	0	0	0	0	0
45228_5229	45228	5229	0	0	0	0	0	0	0
45229_5229	45229	5229	0	0	0	0	0	0	0
45229_5230	45229	5230	0	0	0	0	0	0	0
45230_5230	45230	5230	0	0	0	0	0	0	0
45230_5231	45230	5231	0	0	0	0	0	0	0
45231_5231	45231	5231	0	0	0	0	0	0	0
45231_5232	45231	5232	0	0	0	0	0	0	0
45232_5232	45232	5232	0	0	0	0	0	0	0
45232_5233	45232	5233	0	0	0	0	0	0	0
45233_5233	45233	5233	0	0	0	0	0	0	0
45233_5234	45233	5234	0	0	0	0	0	0	0
45234_5234	45234	5234	0	0	0	0	0	0	0
45234_5235	45234	5235	0	0	0	0	0	0	0
45235_5235	45235	5235	0	0	0	0	0	0	0
45235_5236	45235	5236	0	0	0	0	0	0	0
45236_5236	45236	5236	0	0	0	0	0	0	0
45236_5237	45236	5237	0	0	0	0	0	0	0
45237_5237	45237	5237	0	0	0	0	0	0	0
45237_5238	45237	5238	0	0	0	0	0	0	0
45238_5238	45238	5238	0	0	0	0	0	0	0

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45238_5239	45238	5239	0	0	0	0	0	0	0
45239_5239	45239	5239	0	0	0	0	0	0	0
45239_5240	45239	5240	0	0	0	0	0	0	0
45240_5240	45240	5240	0	0	0	0	0	0	0
45240_5241	45240	5241	0	0	0	0	0	0	0
45241_5241	45241	5241	0	0	0	0	0	0	0
45241_5242	45241	5242	0	0	0	0	0	0	0
45242_5242	45242	5242	0	0	0	0	0	0	0
45242_5243	45242	5243	0	0	0	0	0	0	0
45243_5243	45243	5243	0	0	0	0	0	0	0
45243_5244	45243	5244	0	0	0	0	0	0	0
45244_5244	45244	5244	0	0	0	0	0	0	0
45244_5245	45244	5245	0	0	0	0	0	0	0
45245_5245	45245	5245	0	0	0	0	0	0	0
45245_5246	45245	5246	0	0	0	0	0	0	0
45246_5246	45246	5246	0	0	0	0	0	0	0
45246_5247	45246	5247	0	0	0	0	0	0	0
45247_5247	45247	5247	0	0	0	0	0	0	0
45247_5248	45247	5248	0	0	0	0	0	0	0
45248_5248	45248	5248	0	0	0	0	0	0	0
45248_5249	45248	5249	0	0	0	0	0	0	0
45249_5249	45249	5249	0	0	0	0	0	0	0
45249_5250	45249	5250	0	0	0	0	0	0	0
45250_5250	45250	5250	0	0	0	0	0	0	0
45250_5251	45250	5251	0	0	0	0	0	0	0
45251_5251	45251	5251	0	0	0	0	0	0	0
45251_5252	45251	5252	0	0	0	0	0	0	0
45252_5252	45252	5252	0	0	0	0	0	0	0
45252_5253	45252	5253	0	0	0	0	0	0	0
45253_5253	45253	5253	0	0	0	0	0	0	0
45253_5254	45253	5254	0	0	0	0	0	0	0
45254_5254	45254	5254	0	0	0	0	0	0	0
45254_5255	45254	5255	0	0	0	0	0	0	0
45255_5255	45255	5255	0	0	0	0	0	0	0
45255_5256	45255	5256	0	0	0	0	0	0	0
45256_5256	45256	5256	0	0	0	0	0	0	0
45256_5257	45256	5257	0	0	0	0	0	0	0
45257_5257	45257	5257	0	0	0	0	0	0	0
45257_5258	45257	5258	0	0	0	0	0	0	0
45258_5258	45258	5258	0	0	0	0	0	0	0
45258_5259	45258	5259	0	0	0	0	0	0	0
45259_5259	45259	5259	0	0	0	0	0	0	0
45259_5260	45259	5260	0	0	0	0	0	0	0
45260_5260	45260	5260	0	0	0	0	0	0	0
45260_5261	45260	5261	0	0	0	0	0	0	0
45261_5261	45261	5261	0	0	0	0	0	0	0
45261_5262	45261	5262	0	0	0	0	0	0	0
45262_5262	45262	5262	0	0	0	0	0	0	0
45262_5263	45262	5263	0	0	0	0	0	0	0
45263_5263	45263	5263	0	0	0	0	0	0	0
45263_5264	45263	5264	0	0	0	0	0	0	0
45264_5264	45264	5264	0	0	0	0	0	0	0
45264_5265	45264	5265	0	0	0	0	0	0	0
45265_5265	45265	5265	0	0	0	0	0	0	0
45265_5266	45265	5266	0	0	0	0	0	0	0
45266_5266	45266	5266	0	0	0	0	0	0	0
45266_5267	45266	5267	0	0	0	0	0	0	0
45267_5267	45267	5267	0	0	0	0	0	0	0

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45267_5268	45267	5268	0	0	0	0	0	0	0
45268_5268	45268	5268	0	0	0	0	0	0	0
45268_5269	45268	5269	0	0	0	0	0	0	0
45269_5269	45269	5269	0	0	0	0	0	0	0
45269_5270	45269	5270	0	0	0	0	0	0	0
45270_5270	45270	5270	0	0	0	0	0	0	0
45270_5271	45270	5271	0	0	0	0	0	0	0
45271_5271	45271	5271	0	0	0	0	0	0	0
45271_5272	45271	5272	0	0	0	0	0	0	0
45272_5272	45272	5272	0	0	0	0	0	0	0
45272_5273	45272	5273	0	0	0	0	0	0	0
45273_5273	45273	5273	0	0	0	0	0	0	0
45273_5274	45273	5274	0	0	0	0	0	0	0
45274_5274	45274	5274	0	0	0	0	0	0	0
45274_5275	45274	5275	0	0	0	0	0	0	0
45275_5275	45275	5275	0	0	0	0	0	0	0
45275_5276	45275	5276	0	0	0	0	0	0	0
45276_5276	45276	5276	0	0	0	0	0	0	0
45276_5277	45276	5277	0	0	0	0	0	0	0
45277_5277	45277	5277	0	0	0	0	0	0	0
45277_5278	45277	5278	0	0	0	0	0	0	0
45278_5278	45278	5278	0	0	0	0	0	0	0
45278_5279	45278	5279	0	0	0	0	0	0	0
45279_5279	45279	5279	0	0	0	0	0	0	0
45279_5280	45279	5280	0	0	0	0	0	0	0
45280_5280	45280	5280	0	0	0	0	0	0	0
45280_5281	45280	5281	0	0	0	0	0	0	0
45281_5281	45281	5281	0	0	0	0	0	0	0
45281_5282	45281	5282	0	0	0	0	0	0	0
45282_5282	45282	5282	0	0	0	0	0	0	0
45282_5283	45282	5283	0	0	0	0	0	0	0
45283_5283	45283	5283	0	0	0	0	0	0	0
45283_5284	45283	5284	0	0	0	0	0	0	0
45284_5284	45284	5284	0	0	0	0	0	0	0
45284_5285	45284	5285	0	0	0	0	0	0	0
45285_5285	45285	5285	0	0	0	0	0	0	0
45285_5286	45285	5286	0	0	0	0	0	0	0
45286_5286	45286	5286	0	0	0	0	0	0	0
45286_5287	45286	5287	0	0	0	0	0	0	0
45287_5287	45287	5287	0	0	0	0	0	0	0
45287_5288	45287	5288	0	0	0	0	0	0	0
45288_5288	45288	5288	0	0	0	0	0	0	0
45288_5289	45288	5289	0	0	0	0	0	0	0
45289_5289	45289	5289	0	0	0	0	0	0	0
45289_5290	45289	5290	0	0	0	0	0	0	0
45290_5290	45290	5290	0	0	0	0	0	0	0
45290_5291	45290	5291	0	0	0	0	0	0	0
45291_5291	45291	5291	0	0	0	0	0	0	0
45291_5292	45291	5292	0	0	0	0	0	0	0
45292_5292	45292	5292	0	0	0	0	0	0	0
45292_5293	45292	5293	0	0	0	0	0	0	0
45293_5293	45293	5293	0	0	0	0	0	0	0
45293_5294	45293	5294	0	0	0	0	0	0	0
45294_5294	45294	5294	0	0	0	0	0	0	0
45294_5295	45294	5295	0	0	0	0	0	0	0
45295_5295	45295	5295	0	0	0	0	0	0	0
45295_5296	45295	5296	0	0	0	0	0	0	0
45296_5296	45296	5296	0	0	0	0	0	0	0

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45296_5297	45296	5297	0	0	0	0	0	0	0
45297_5297	45297	5297	0	0	0	0	0	0	0
45297_5298	45297	5298	0	0	0	0	0	0	0
45298_5298	45298	5298	0	0	0	0	0	0	0
45298_5299	45298	5299	0	0	0	0	0	0	0
45299_5299	45299	5299	0	0	0	0	0	0	0
45299_5300	45299	5300	0	0	0	0	0	0	0
45300_5300	45300	5300	0	0	0	0	0	0	0
45300_5301	45300	5301	0	0	0	0	0	0	0
45301_5301	45301	5301	0	0	0	0	0	0	0
45301_5302	45301	5302	0	0	0	0	0	0	0
45302_5302	45302	5302	0	0	0	0	0	0	0
45302_5303	45302	5303	0	0	0	0	0	0	0
45303_5303	45303	5303	0	0	0	0	0	0	0
45303_5304	45303	5304	0	0	0	0	0	0	0
45304_5304	45304	5304	0	0	0	0	0	0	0
45304_5305	45304	5305	0	0	0	0	0	0	0
45305_5305	45305	5305	0	0	0	0	0	0	0
45305_5306	45305	5306	0	0	0	0	0	0	0
45306_5306	45306	5306	0	0	0	0	0	0	0
45306_5307	45306	5307	0	0	0	0	0	0	0
45307_5307	45307	5307	0	0	0	0	0	0	0
45307_5308	45307	5308	0	0	0	0	0	0	0
45308_5308	45308	5308	0	0	0	0	0	0	0
45308_5309	45308	5309	0	0	0	0	0	0	0
45309_5309	45309	5309	0	0	0	0	0	0	0
45309_5310	45309	5310	0	0	0	0	0	0	0
45310_5310	45310	5310	0	0	0	0	0	0	0
45310_5311	45310	5311	0	0	0	0	0	0	0
45311_5311	45311	5311	0	0	0	0	0	0	0
45311_5312	45311	5312	0	0	0	0	0	0	0
45312_5312	45312	5312	0	0	0	0	0	0	0
45312_5313	45312	5313	0	0	0	0	0	0	0

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
5000_5000	5000	5000	1.842	71.3745	-0.048	0.081	0	6.2595	1
5000_5001	5000	5001	-3.4455	3.8085	-0.0255	0.0255	-0.3315	-28.2975	1
5001_5001	5001	5001	-60.21	59.8425	-0.0585	-0.069	-0.747	-465.536	1
5001_5002	5001	5002	35.604	9.4905	0.012	0.054	0.2595	271.833	1
5002_5002	5002	5002	-86.2815	56.1555	0.072	0.168	-1.4895	-664.34	1
5002_5003	5002	5003	52.887	11.997	-0.021	-0.063	0.1935	403.962	1
5003_5003	5003	5003	-113.466	45.4005	0.075	-0.1665	-0.6075	-871.019	1
5003_5004	5003	5004	73.782	21.1515	-0.0315	0.132	-0.0945	563.9595	1
5004_5004	5004	5004	-126.686	49.0035	-0.009	0.1125	0.33	-971.454	1
5004_5005	5004	5005	102.0795	23.3385	0.003	-0.06	-0.1065	780.8925	1
5005_5005	5005	5005	-140.664	39.5595	-0.009	-0.1335	0.237	-1077.4	1
5005_5006	5005	5006	118.824	34.281	0.006	0.144	-0.0765	909.7455	1
5006_5006	5006	5006	-144.327	44.9175	0.009	0.246	0.1395	-1105.01	1
5006_5007	5006	5007	134.439	30.8505	-0.0045	-0.165	-0.1395	1029.284	1
5007_5007	5007	5007	-151.434	35.8035	0.0075	-0.2265	0.2565	-1158.63	1
5007_5008	5007	5008	138.777	40.455	-0.0045	0.273	-0.231	1062.818	1
5008_5008	5008	5008	-149.096	41.274	-0.0045	0.2535	0.363	-1140.62	1
5008_5009	5008	5009	145.9425	35.172	0.003	-0.1815	-0.2355	1117.38	1
5009_5009	5009	5009	-150.786	32.2605	-0.0045	-0.219	0.318	-1153.13	1
5009_5010	5009	5010	143.106	44.508	0.0045	0.282	-0.207	1095.9	1
5010_5010	5010	5010	-143.63	37.437	0.0075	-0.006	0.2775	-1098.61	1
5010_5011	5010	5011	143.7765	39.183	-0.009	0.021	-0.327	1100.826	1
5011_5011	5011	5011	-140.595	28.5375	0.006	-0.003	0.3645	-1075.29	1
5011_5012	5011	5012	134.7405	48.4875	-0.009	0.018	-0.45	1032.107	1
5012_5012	5012	5012	-128.778	33.036	-0.015	0.0885	0.4335	-985.377	1
5012_5013	5012	5013	129.1905	43.4565	0.0195	-0.0615	-0.222	989.7585	1
5013_5013	5013	5013	-122.315	24.438	-0.015	-0.084	0.231	-935.874	1
5013_5014	5013	5014	114.2175	52.815	0.0195	0.12	0.015	875.9895	1
5014_5014	5014	5014	-97.7955	24.945	0.0255	0.0585	0.075	-749.081	1
5014_5015	5014	5015	85.962	48.783	-0.039	-0.033	-0.6195	661.5675	1
5015_5015	5015	5015	-113.775	18.975	0.0165	-0.0495	0.3225	-815.198	1
5015_5016	5015	5016	95.4345	61.554	-0.0225	0.066	-0.5775	711.234	1
5016_5016	5016	5016	-87.909	20.529	-0.012	0.0375	0.429	-645.033	1
5016_5017	5016	5017	58.662	56.415	0.009	-0.018	-0.4545	499.1985	1
5017_5017	5017	5017	-61.1265	11.748	-0.0105	-0.0375	0.2745	-504.357	1
5017_5018	5017	5018	19.1055	66.3	0.0105	0.06	-0.267	237.207	1
5018_5018	5018	5018	-33.3405	8.7795	0	0.018	0.153	-334.998	1
5018_5019	5018	5019	-6.2175	69.894	-0.003	0.012	-0.2445	-1.3215	1
5019_5019	5019	5019	-11.0745	2.895	-0.003	-0.0195	0.1395	-142.406	1
5019_5020	5019	5020	-29.7975	80.9235	-0.003	0.0405	-0.243	-350.553	1
5020_5020	5020	5020	6.1425	70.716	-0.015	0.018	0.3945	186.006	1
5020_5021	5020	5021	85.65	9.684	0.027	-0.006	-0.4515	256.0875	1
5021_5021	5021	5021	-23.58	62.7795	-0.0105	0.0135	0.162	-57.3705	1
5021_5022	5021	5022	91.887	14.6595	0.018	-0.0075	-0.186	343.8015	1
5022_5022	5022	5022	-40.059	55.071	-0.006	-0.012	0.06	-183.965	1
5022_5023	5022	5023	94.101	19.9035	0.012	0.039	-0.0825	390.474	1
5023_5023	5023	5023	-51.9825	54.657	-0.003	0	-0.015	-274.688	1
5023_5024	5023	5024	96.4755	19.776	0.006	0.015	-0.024	441.162	1
5024_5024	5024	5024	-65.481	46.7055	-0.003	0.0675	-0.048	-370.857	1
5024_5025	5024	5025	96.093	25.53	0.0105	-0.0615	0.0675	472.5975	1
5025_5025	5025	5025	-73.6125	39.309	0.0015	-0.0585	-0.084	-426.009	1
5025_5026	5025	5026	91.4625	32.112	0.0015	0.084	0.0705	473.5965	1
5026_5026	5026	5026	-83.235	45.0705	0	0.0225	-0.0825	-487.799	1
5026_5027	5026	5027	96.2355	28.95	0.0045	-0.006	0.1005	531.519	1
5027_5027	5027	5027	-88.9125	39.2865	0	0.0345	-0.084	-520.59	1
5027_5028	5027	5028	94.569	33.8745	0.0045	-0.021	0.123	536.2635	1
5028_5028	5028	5028	-91.59	33.813	0.0015	0.0255	-0.0825	-530.553	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5028_5029	5028	5029	90.993	39.348	0.003	-0.0165	0.132	524.2545	1
5029_5029	5029	5029	-92.367	28.902	0.0045	-0.06	-0.0735	-524.525	1
5029_5030	5029	5030	84.558	45.15	0	0.0825	0.12	489.993	1
5030_5030	5030	5030	-86.2665	32.052	0.0045	0.051	-0.0375	-464.819	1
5030_5031	5030	5031	74.2395	39.3015	0	-0.03	0.1065	426.882	1
5031_5031	5031	5031	-89.3325	25.47	0.0075	-0.015	0.003	-461.805	1
5031_5032	5031	5032	65.1555	46.7145	-0.003	0.027	0.06	369.5955	1
5032_5032	5032	5032	-88.1355	19.7325	0.009	-0.009	0.087	-428.783	1
5032_5033	5032	5033	50.7285	54.6885	-0.0045	0.024	0	271.515	1
5033_5033	5033	5033	-84.1605	19.836	0.0135	0.0105	0.18	-376.508	1
5033_5034	5033	5034	37.8	55.0455	-0.0075	0.0045	-0.09	178.7595	1
5034_5034	5034	5034	-80.445	14.598	0.015	0.015	0.306	-328.422	1
5034_5035	5034	5035	20.3025	62.784	-0.009	0	-0.1935	50.601	1
5035_5035	5035	5035	-71.91	9.6465	0.027	-0.0135	0.6	-241.433	1
5035_5036	5035	5036	-10.4925	70.7655	-0.0165	0.0195	-0.4665	-194.409	1
5036_5036	5036	5036	53.556	77.2455	0	0.066	0.396	401.334	1
5036_5037	5036	5037	15.705	4.1475	-0.0015	-0.009	0.282	142.3755	1
5037_5037	5037	5037	35.835	66.1425	-0.006	0.027	0.5145	93.954	1
5037_5038	5037	5038	19.0335	9.8235	0	0.0525	-0.2325	293.673	1
5038_5038	5038	5038	17.361	62.4825	0.003	0.0885	0.5385	-101.352	1
5038_5039	5038	5039	39.957	12.873	-0.0075	-0.0585	-0.354	442.4085	1
5039_5039	5039	5039	-14.3625	52.86	-0.006	-0.024	0.651	-319.934	1
5039_5040	5039	5040	58.671	21.5895	-0.003	0.0705	-0.4305	554.052	1
5040_5040	5040	5040	-44.5155	57.9765	-0.0135	0.045	0.6105	-500.099	1
5040_5041	5040	5041	77.193	19.9245	0.012	-0.036	-0.3945	693.36	1
5041_5041	5041	5041	-47.7885	44.3355	-0.0075	-0.0045	0.2445	-409.911	1
5041_5042	5041	5042	74.64	25.521	0.0075	0.015	-0.0885	568.2015	1
5042_5042	5042	5042	-76.236	48.3465	0.0015	0.0015	0.1455	-577.616	1
5042_5043	5042	5043	93.744	24.0435	-0.003	0.0015	-0.1365	692.265	1
5043_5043	5043	5043	-91.9695	38.3385	0.0015	0.003	0.168	-668.696	1
5043_5044	5043	5044	94.7385	33.0675	-0.003	0	-0.1755	699.9045	1
5044_5044	5044	5044	-96.6	42.9825	0	-0.003	0.171	-693.495	1
5044_5045	5044	5045	102.8295	28.2585	0.0015	0.006	-0.168	746.847	1
5045_5045	5045	5045	-105.473	33.084	0	0.003	0.1635	-745.052	1
5045_5046	5045	5046	100.77	37.83	0.0015	0	-0.1605	730.7295	1
5046_5046	5046	5046	-103.431	37.9665	0	0.069	0.1605	-731.3	1
5046_5047	5046	5047	104.0655	32.817	0.0015	-0.048	-0.159	746.259	1
5047_5047	5047	5047	-106.466	28.3545	-0.0015	-0.051	0.1515	-748.349	1
5047_5048	5047	5048	96.642	42.7425	0.003	0.072	-0.1215	697.152	1
5048_5048	5048	5048	-98.9805	33.057	-0.003	0.066	0.12	-701.021	1
5048_5049	5048	5049	93.522	37.9305	0.0015	-0.045	-0.114	675.0135	1
5049_5049	5049	5049	-98.379	23.9715	-0.0045	-0.051	0.084	-692.936	1
5049_5050	5049	5050	79.1385	48.0105	0.0045	0.072	-0.063	585.759	1
5050_5050	5050	5050	-79.533	25.3905	0.003	0.033	0.021	-568.86	1
5050_5051	5050	5051	52.1325	43.8825	-0.006	-0.0135	-0.1335	420.9195	1
5051_5051	5051	5051	-87.507	19.533	0.0015	-0.0705	0.0705	-664.284	1
5051_5052	5051	5052	53.3505	57.603	-0.003	0.087	-0.162	483.9015	1
5052_5052	5052	5052	-67.9695	21.423	0.0015	0.0735	0.0555	-532.976	1
5052_5053	5052	5053	22.245	52.299	-0.003	-0.027	-0.168	309.687	1
5053_5053	5053	5053	-43.6635	12.7395	-0.0015	-0.0855	0.111	-456.374	1
5053_5054	5053	5054	-12.0615	62.4255	0	0.1245	-0.186	105.621	1
5054_5054	5054	5054	-23.049	9.5775	-0.0015	0.0495	0.084	-308.42	1
5054_5055	5054	5055	-29.808	66.1665	0	0.0255	-0.153	-94.7535	1
5055_5055	5055	5055	-5.8095	3.345	-0.003	-0.027	0.0705	-130.518	1
5055_5056	5055	5056	-47.253	77.565	0.003	0.0555	-0.081	-407.259	1
5056_5056	5056	5056	-0.3735	70.0395	-0.0075	0.0165	0.1965	140.994	1
5056_5057	5056	5057	76.347	9.648	0.012	0.003	-0.2205	256.3305	1
5057_5057	5057	5057	-29.9835	62.2125	-0.0075	0.0375	0.0975	-106.371	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5057_5058	5057	5058	84.7545	14.9175	0.0105	-0.0345	-0.0945	359.874	1
5058_5058	5058	5058	-45.279	54.441	-0.0045	-0.0375	0.03	-237.612	1
5058_5059	5058	5059	88.35	20.3745	0.006	0.0795	-0.045	416.661	1
5059_5059	5059	5059	-56.115	54.45	-0.006	0.186	-0.0135	-329.61	1
5059_5060	5059	5060	91.773	20.2575	0.012	-0.135	0.057	475.9155	1
5060_5060	5060	5060	-68.55	46.521	-0.0015	-0.0615	-0.066	-428.526	1
5060_5061	5060	5061	92.4285	26.1345	0.0045	0.105	0.084	513.4905	1
5061_5061	5061	5061	-75.966	39.1725	-0.0015	-0.0375	-0.0825	-484.041	1
5061_5062	5061	5062	88.9725	32.8365	0.003	0.0945	0.108	518.0205	1
5062_5062	5062	5062	-84.7215	45.3195	0	0.1065	-0.09	-546.515	1
5062_5063	5062	5063	94.242	29.445	0.003	-0.06	0.12	582.657	1
5063_5063	5063	5063	-90.063	39.5475	0	0.1275	-0.09	-580.226	1
5063_5064	5063	5064	93.1755	34.389	0.003	-0.0945	0.1275	589.545	1
5064_5064	5064	5064	-92.6325	34.0785	0.003	-0.0915	-0.0915	-589.797	1
5064_5065	5064	5065	90.252	39.867	-0.0015	0.1245	0.1155	578.397	1
5065_5065	5065	5065	-93.45	29.1585	0.003	-0.0705	-0.072	-582.203	1
5065_5066	5065	5066	84.6255	45.6615	-0.0015	0.117	0.1005	543.63	1
5066_5066	5066	5066	-87.912	32.5605	0.003	0.0525	-0.048	-517.185	1
5066_5067	5066	5067	75.5805	39.426	-0.0015	-0.0165	0.0825	480.0075	1
5067_5067	5067	5067	-91.0665	25.89	0.0045	0.0585	-0.0135	-512.174	1
5067_5068	5067	5068	67.797	46.7925	-0.0015	-0.03	0.057	423.1035	1
5068_5068	5068	5068	-90.1845	20.058	0.0075	-0.072	0.024	-474.753	1
5068_5069	5068	5069	54.999	54.7335	-0.0045	0.105	0.0075	322.8285	1
5069_5069	5069	5069	-86.6295	20.2395	0.006	0.1065	0.102	-416.351	1
5069_5070	5069	5070	43.878	54.6165	-0.003	-0.036	-0.0375	230.1465	1
5070_5070	5070	5070	-83.028	14.826	0.012	-0.009	0.162	-361.194	1
5070_5071	5070	5071	28.2675	62.3985	-0.006	0.0315	-0.108	97.9935	1
5071_5071	5071	5071	-74.6985	9.648	0.018	-0.03	0.33	-261.956	1
5071_5072	5071	5072	-1.416	70.287	-0.0105	0.051	-0.252	-151.275	1
5072_5072	5072	5072	46.653	76.9365	0	0.0705	0.2835	375.4425	1
5072_5073	5072	5073	12.0735	3.579	0	-0.006	0.105	112.641	1
5073_5073	5073	5073	27.7425	65.577	-0.003	0.021	0.324	53.4855	1
5073_5074	5073	5074	21.168	9.7305	0.003	0.0525	-0.15	307.938	1
5074_5074	5074	5074	7.9935	61.926	-0.0045	0.1485	0.327	-154.386	1
5074_5075	5074	5075	41.8575	12.8895	-0.0015	-0.096	-0.1815	460.764	1
5075_5075	5075	5075	-29.127	51.8835	-0.006	-0.0405	0.243	-362.969	1
5075_5076	5075	5076	66.7185	21.7185	0.0045	0.0885	-0.0855	541.4295	1
5076_5076	5076	5076	-62.1495	57.2895	-0.0015	0.081	0.201	-543.648	1
5076_5077	5076	5077	87.2175	19.7955	-0.003	-0.063	-0.1215	679.773	1
5077_5077	5077	5077	-57.6255	45.2475	-0.009	-0.0375	0.321	-539.489	1
5077_5078	5077	5078	72.3315	26.0265	-0.0015	0.0705	-0.207	646.5075	1
5078_5078	5078	5078	-79.7775	49.5225	0.0045	0.1665	0.189	-695.615	1
5078_5079	5078	5079	89.445	24.336	-0.003	-0.12	-0.2415	777.7845	1
5079_5079	5079	5079	-93.261	40.161	0.0015	-0.1245	0.243	-789.822	1
5079_5080	5079	5080	92.4465	32.9655	0.0015	0.1695	-0.234	800.5485	1
5080_5080	5080	5080	-97.809	45.2955	0	0.186	0.252	-820.574	1
5080_5081	5080	5081	101.4795	28.122	0	-0.138	-0.2445	862.98	1
5081_5081	5081	5081	-106.115	36.0045	-0.0045	-0.135	0.2415	-880.016	1
5081_5082	5081	5082	102.456	37.131	0.0045	0.1785	-0.201	865.5825	1
5082_5082	5082	5082	-103.368	40.842	0.0015	0.0045	0.1875	-860.898	1
5082_5083	5082	5083	105.9675	31.5885	0	0.0045	-0.207	886.4655	1
5083_5083	5083	5083	-106.853	31.044	0.0015	0	0.198	-888.345	1
5083_5084	5083	5084	102.183	41.4345	0	0.009	-0.2145	854.9895	1
5084_5084	5084	5084	-103.284	36.528	0	0.174	0.2055	-865.242	1
5084_5085	5084	5085	104.7915	36.537	0	-0.129	-0.213	871.3275	1
5085_5085	5085	5085	-102.276	27.5865	-0.003	-0.141	0.204	-860.535	1
5085_5086	5085	5086	96.1965	45.879	0.0045	0.189	-0.168	808.1415	1
5086_5086	5086	5086	-93.4185	32.52	-0.0045	0.1665	0.1635	-797.663	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5086_5087	5086	5087	91.5	40.5945	0.0045	-0.12	-0.12	774.675	1
5087_5087	5087	5087	-90.399	23.9205	-0.0075	-0.126	0.117	-773.766	1
5087_5088	5087	5088	77.8455	50.004	0.009	0.1725	-0.021	677.5065	1
5088_5088	5088	5088	-74.685	26.124	0.0045	0.072	0.0375	-652.454	1
5088_5089	5088	5089	57.8505	45.594	-0.012	-0.0375	-0.1845	535.251	1
5089_5089	5089	5089	-79.608	20.0325	0.0015	-0.1095	0.0855	-724.308	1
5089_5090	5089	5090	54.861	57.519	-0.006	0.1395	-0.1845	570.687	1
5090_5090	5090	5090	-60.9075	21.795	0.0015	0.1455	0.09	-576.381	1
5090_5091	5090	5091	25.164	52.0215	-0.003	-0.0675	-0.1965	381.948	1
5091_5091	5091	5091	-41.766	12.6885	-0.003	-0.0855	0.147	-462.668	1
5091_5092	5091	5092	-7.185	61.9635	0.0015	0.132	-0.1725	151.875	1
5092_5092	5092	5092	-21.1815	9.642	0	0.021	0.1185	-306.968	1
5092_5093	5092	5093	-26.1765	65.427	-0.003	0.0165	-0.177	-55.056	1
5093_5093	5093	5093	-10.5555	3.72	0	-0.0015	0.033	-116.951	1
5093_5094	5093	5094	-44.787	76.968	-0.0015	0.039	-0.165	-380.87	1
5094_5094	5094	5094	0.348	69.7095	-0.006	0.039	0.1875	147.5655	1
5094_5095	5094	5095	74.0085	9.588	0.015	-0.0195	-0.2175	258.348	1
5095_5095	5095	5095	-27.9855	61.899	-0.0045	0.03	0.117	-105.776	1
5095_5096	5095	5096	79.7985	14.9115	0.012	-0.0105	-0.138	368.0895	1
5096_5096	5096	5096	-42.114	53.9655	0	-0.039	0.063	-241.301	1
5096_5097	5096	5097	82.809	20.466	0.0045	0.105	-0.102	425.304	1
5097_5097	5097	5097	-51.945	54.366	-0.003	0.0465	0.048	-334.635	1
5097_5098	5097	5098	85.7625	20.1495	0.006	-0.021	-0.051	486.237	1
5098_5098	5098	5098	-63.468	46.311	-0.0015	0.0525	0.012	-436.73	1
5098_5099	5098	5099	86.1015	26.106	0.0045	-0.0345	-0.0105	524.427	1
5099_5099	5099	5099	-70.323	38.88	0.0015	-0.0795	-0.0135	-493.685	1
5099_5100	5099	5100	82.605	32.937	0	0.12	-0.0165	528.27	1
5100_5100	5100	5100	-78.3405	45.552	0.006	-0.2325	-0.0105	-557.03	1
5100_5101	5100	5101	87.4395	29.166	-0.0015	0.1455	-0.024	595.6425	1
5101_5101	5101	5101	-83.4735	39.672	0.0105	-0.4845	0.0195	-592.913	1
5101_5102	5101	5102	86.4255	34.1625	-0.006	0.4275	-0.06	603.183	1
5102_5102	5102	5102	-86.0565	34.113	-0.006	0.423	0.0915	-603.84	1
5102_5103	5102	5103	83.7195	39.7245	0.0105	-0.48	0.003	592.1415	1
5103_5103	5103	5103	-86.9835	29.1285	-0.0015	0.1485	0.066	-596.517	1
5103_5104	5103	5104	78.5055	45.6075	0.0045	-0.234	0.024	556.512	1
5104_5104	5104	5104	-81.9645	32.8785	0	0.12	0.069	-528.795	1
5104_5105	5104	5105	70.3365	38.88	0.0015	-0.0795	0.024	492.819	1
5105_5105	5105	5105	-85.3515	26.0535	0.0045	-0.033	0.0735	-525.284	1
5105_5106	5105	5106	63.4095	46.329	-0.0015	0.0525	-0.009	436.5105	1
5106_5106	5106	5106	-84.8355	20.094	0.006	-0.024	0.126	-486.789	1
5106_5107	5106	5107	51.717	54.384	-0.003	0.0495	-0.054	334.239	1
5107_5107	5107	5107	-81.723	20.409	0.0075	0.0285	0.1905	-425.537	1
5107_5108	5107	5108	41.748	53.907	-0.003	0.006	-0.1035	240.939	1
5108_5108	5108	5108	-78.588	14.8455	0.0075	0.039	0.2655	-368.403	1
5108_5109	5108	5109	27.582	61.8675	-0.0045	-0.009	-0.162	106.272	1
5109_5109	5109	5109	-72.4845	9.507	0.0135	-0.024	0.315	-258.45	1
5109_5110	5109	5110	-0.8355	69.714	-0.0075	0.033	-0.249	-148.403	1
5110_5110	5110	5110	44.6085	76.182	-0.003	0.0645	0.3	371.163	1
5110_5111	5110	5111	4.527	3.366	0	-0.03	-0.1845	129.324	1
5111_5111	5111	5111	26.709	64.4325	-0.006	0.018	0.3255	53.661	1
5111_5112	5111	5112	21.123	9.8895	0.003	0.051	-0.1575	311.688	1
5112_5112	5112	5112	8.9265	60.8685	0.003	0.0885	0.315	-142.178	1
5112_5113	5112	5113	41.094	12.9855	-0.0045	-0.057	-0.2265	463.6035	1
5113_5113	5113	5113	-21.576	50.7495	-0.0015	-0.0375	0.315	-360.158	1
5113_5114	5113	5114	59.139	22.254	-0.0015	0.0915	-0.219	570.5265	1
5114_5114	5114	5114	-49.2975	56.3295	-0.0135	0.0345	0.3165	-537.399	1
5114_5115	5114	5115	76.6035	20.3805	0.0105	-0.024	-0.165	711.2355	1
5115_5115	5115	5115	-55.326	43.464	-0.0135	-0.0015	0.1755	-457.028	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5115_5116	5115	5116	76.1835	26.394	0.009	0.009	-0.0105	585.594	1
5116_5116	5116	5116	-76.773	48.1575	0.009	0.054	-0.0045	-591.813	1
5116_5117	5116	5117	92.37	24.084	-0.0075	-0.0375	-0.0885	696.2445	1
5117_5117	5117	5117	-90.078	38.5185	0.006	-0.036	0.0915	-675.155	1
5117_5118	5117	5118	93.669	32.8665	-0.006	0.0525	-0.162	706.416	1
5118_5118	5118	5118	-93.708	43.95	-0.006	0.0555	0.159	-697.683	1
5118_5119	5118	5119	101.4675	27.603	0.0045	-0.039	-0.111	755.283	1
5119_5119	5119	5119	-101.729	34.3695	-0.006	-0.042	0.093	-749.648	1
5119_5120	5119	5120	100.587	36.756	0.0075	0.06	-0.033	747.402	1
5120_5120	5120	5120	-97.68	39.501	0.0045	0.1605	0.024	-725.939	1
5120_5121	5120	5121	102.918	30.927	-0.0045	-0.1185	-0.081	759.756	1
5121_5121	5121	5121	-100.652	29.424	-0.0015	-0.117	0.069	-748.616	1
5121_5122	5121	5122	97.3815	41.0115	0	0.162	-0.081	722.121	1
5122_5122	5122	5122	-95.6715	35.25	0	0.054	0.045	-720.96	1
5122_5123	5122	5123	98.9595	35.8365	0.0015	-0.0375	-0.0555	731.286	1
5123_5123	5123	5123	-93.9255	26.037	-0.0015	-0.0405	0.036	-714.008	1
5123_5124	5123	5124	88.5825	45.4125	0.003	0.0585	-0.0165	665.3535	1
5124_5124	5124	5124	-83.6235	31.212	0	0.096	0.0225	-651.036	1
5124_5125	5124	5125	82.614	39.939	0	-0.0675	-0.024	629.0355	1
5125_5125	5125	5125	-80.154	22.434	-0.0045	-0.072	0.0195	-628.322	1
5125_5126	5125	5126	66.924	49.5885	0.003	0.102	0.009	531.7335	1
5126_5126	5126	5126	-63.4995	25.017	0	0.0435	-0.0375	-516.198	1
5126_5127	5126	5127	44.7945	44.9985	-0.003	-0.0195	-0.033	394.167	1
5127_5127	5127	5127	-72.867	18.789	-0.0015	-0.039	-0.0315	-559.998	1
5127_5128	5127	5128	43.7715	56.961	0.0015	0.051	0.003	400.1865	1
5128_5128	5128	5128	-53.316	20.949	-0.0015	0.057	-0.0315	-432.788	1
5128_5129	5128	5129	11.736	51.267	-0.0015	-0.018	-0.006	223.3185	1
5129_5129	5129	5129	-31.029	11.9655	-0.009	-0.0615	-0.0405	-359.999	1
5129_5130	5129	5130	-22.1085	61.5375	0.0015	0.096	0.051	10.7235	1
5130_5130	5130	5130	-12.447	10.4325	0.0165	0.027	-0.1635	-215.273	1
5130_5131	5130	5131	-38.5995	64.0245	-0.0105	0.012	-0.042	-183.114	1
5131_5131	5131	5131	1.431	4.092	0.0165	0	0.0645	-58.812	1
5131_5132	5131	5132	-54.906	75.555	-0.0105	0.015	-0.1755	-488.48	1
5132_5132	5132	5132	6.9735	69.1305	0.003	-0.1935	0.0615	194.6745	1
5132_5133	5132	5133	72.645	8.796	-0.0135	0.0885	-0.153	203.973	1
5133_5133	5133	5133	-22.6095	60.6975	0.006	-0.174	0.0525	-51.6135	1
5133_5134	5133	5134	80.946	14.1405	-0.0165	0.1695	-0.249	297.3135	1
5134_5134	5134	5134	-38.832	52.581	-0.0165	0.1875	0.0825	-177.828	1
5134_5135	5134	5135	84.2265	19.818	0.033	-0.435	0.0285	346.9155	1
5135_5135	5135	5135	-50.169	53.6235	0.0045	0.0255	-0.045	-266.33	1
5135_5136	5135	5136	88.428	18.6765	-0.0045	-0.0285	0.0045	406.1985	1
5136_5136	5136	5136	-63.6435	45.3045	0.006	-0.0495	-0.009	-365.015	1
5136_5137	5136	5137	89.5005	24.7425	-0.009	0.0465	-0.0615	443.6175	1
5137_5137	5137	5137	-71.3835	37.656	0.0045	0.0285	0.0345	-420.177	1
5137_5138	5137	5138	85.86	31.707	-0.006	-0.039	-0.1005	447.699	1
5138_5138	5138	5138	-80.0715	44.64	-0.003	0.063	0.063	-478.359	1
5138_5139	5138	5139	91.419	27.762	0.0045	-0.051	-0.0675	509.4375	1
5139_5139	5139	5139	-85.7745	38.58	0	-0.0585	0.0435	-513.747	1
5139_5140	5139	5140	90.456	32.8485	0.0015	0.0615	-0.0555	517.707	1
5140_5140	5140	5140	-88.338	32.868	-0.003	0.0645	0.039	-525.023	1
5140_5141	5140	5141	87.3855	38.544	0.0045	-0.06	-0.0285	508.305	1
5141_5141	5141	5141	-88.7925	27.762	0	-0.051	0.0225	-518.508	1
5141_5142	5141	5142	81.1965	44.592	0.0015	0.0615	-0.021	474.981	1
5142_5142	5142	5142	-82.4145	31.791	0	0.003	0.027	-458.078	1
5142_5143	5142	5143	71.955	37.629	0	-0.0015	-0.021	418.4655	1
5143_5143	5143	5143	-85.377	24.8055	0	0.003	0.033	-456.014	1
5143_5144	5143	5144	63.5835	45.267	0	-0.0015	-0.0255	366.2475	1
5144_5144	5144	5144	-83.6115	18.717	0	0.003	0.0345	-420.207	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5144_5145	5144	5145	49.4745	53.565	0	-0.003	-0.03	270.477	1
5145_5145	5145	5145	-78.7515	19.0005	-0.0015	-0.015	0.0315	-362.411	1
5145_5146	5145	5146	36.9435	53.397	0.003	-0.0045	-0.0135	181.011	1
5146_5146	5146	5146	-74.007	13.341	-0.0015	-0.018	0.021	-308.514	1
5146_5147	5146	5147	19.437	61.536	0.003	0.003	0.003	52.902	1
5147_5147	5147	5147	-63.825	7.998	-0.0045	0.0285	0.0225	-212.771	1
5147_5148	5147	5148	-12.2505	69.939	0.0045	-0.03	0.0495	-194.985	1
5148_5148	5148	5148	59.9565	74.7255	0.0015	0.0165	-0.0135	416.424	1
5148_5149	5148	5149	-1.431	3.7725	-0.0015	-0.0075	0.0135	97.1415	1
5149_5149	5149	5149	44.115	63.1335	-0.0015	0.0075	0.024	121.5465	1
5149_5150	5149	5150	13.26	10.1775	-0.0015	0.0225	0.006	263.0445	1
5150_5150	5150	5150	28.5585	59.4675	0	0.0135	0.0105	-58.047	1
5150_5151	5150	5151	31.041	13.389	0	-0.0105	-0.0015	398.5845	1
5151_5151	5151	5151	-3.861	49.446	0	-0.003	0.0135	-241.244	1
5151_5152	5151	5152	52.2645	22.1985	0	0.006	0.006	458.5635	1
5152_5152	5152	5152	-33.2505	54.705	0	0.0015	0.015	-399.531	1
5152_5153	5152	5153	69.3405	20.334	0	-0.0015	0	574.863	1
5153_5153	5153	5153	-36.0735	42.3225	0	0	0.0135	-360.333	1
5153_5154	5153	5154	63.396	26.349	0	-0.0015	-0.006	494.7405	1
5154_5154	5154	5154	-57.0615	46.086	0	0.0015	0.0105	-478.995	1
5154_5155	5154	5155	77.034	24.2865	0	-0.0015	-0.0105	583.842	1
5155_5155	5155	5155	-69.5925	36.3525	0	0.0015	0.0135	-549.921	1
5155_5156	5155	5156	75.8655	33.0885	0	-0.0015	-0.0135	582.8235	1
5156_5156	5156	5156	-75.084	41.247	0.0015	0.0015	0.015	-581.396	1
5156_5157	5156	5157	83.5605	28.974	-0.0015	-0.0015	-0.0225	628.767	1
5157_5157	5157	5157	-81.369	32.5065	0.0015	0.0015	0.027	-617.721	1
5157_5158	5157	5158	80.244	37.4685	-0.0015	-0.0015	-0.0345	610.6845	1
5158_5158	5158	5158	-79.323	37.461	-0.0015	-0.027	0.036	-606.768	1
5158_5159	5158	5159	81.753	32.6415	0.003	0.021	-0.015	619.083	1
5159_5159	5159	5159	-82.3725	28.956	0.0015	0.021	0.021	-623.855	1
5159_5160	5159	5160	75.141	41.34	0	-0.0285	-0.0165	581.367	1
5160_5160	5160	5160	-74.2815	33.108	-0.0015	0.0015	0.033	-576.27	1
5160_5161	5160	5161	69.0795	36.657	0	-0.0015	-0.021	547.0875	1
5161_5161	5161	5161	-75.0915	24.306	-0.0015	0	0.0165	-575.835	1
5161_5162	5161	5162	56.1255	46.299	0	-0.0015	-0.018	474.2625	1
5162_5162	5162	5162	-60.9705	26.211	0.0045	0.0135	0	-484.605	1
5162_5163	5162	5163	34.3905	42.789	-0.003	-0.0075	-0.0435	351.87	1
5163_5163	5163	5163	-68.3115	20.1855	0.003	-0.021	0.0735	-553.472	1
5163_5164	5163	5164	32.664	54.9825	-0.0015	0.024	-0.069	382.8225	1
5164_5164	5164	5164	-50.436	21.822	-0.0045	-0.03	0.1035	-436.127	1
5164_5165	5164	5165	2.136	50.118	0.003	0.012	-0.054	221.364	1
5165_5165	5165	5165	-30.843	13.101	-0.0015	0.0225	0.0465	-361.431	1
5165_5166	5165	5166	-30.5565	59.892	0.0015	-0.033	-0.066	30.687	1
5166_5166	5166	5166	-11.979	9.9195	0.0015	0.015	0.0165	-230.322	1
5166_5167	5166	5167	-47.586	63.9765	-0.0015	0.0075	-0.063	-151.551	1
5167_5167	5167	5167	3.3645	3.7155	0	-0.006	0.033	-70.5975	1
5167_5168	5167	5168	-64.419	75.3405	0.0015	0.012	-0.042	-443.421	1
5168_5168	5168	5168	13.9425	70.6095	0	0.006	0.015	195.822	1
5168_5169	5168	5169	67.263	8.205	0.003	-0.012	-0.036	204.702	1
5169_5169	5169	5169	-20.1465	62.4795	0.0015	-0.018	0.0015	-47.22	1
5169_5170	5169	5170	77.967	13.35	-0.0015	0.03	-0.033	298.503	1
5170_5170	5170	5170	-39.213	54.555	0	0.0195	0.0105	-174.428	1
5170_5171	5170	5171	83.3925	18.7695	0.0015	-0.027	-0.021	351.7125	1
5171_5171	5171	5171	-53.211	54.3075	0	-0.0465	0.0075	-265.887	1
5171_5172	5171	5172	88.9125	18.702	-0.0015	0.036	-0.03	408.3525	1
5172_5172	5172	5172	-68.5845	46.1775	0	0.0165	0.009	-361.976	1
5172_5173	5172	5173	91.3155	24.5955	0.0015	-0.0255	-0.018	445.1055	1
5173_5173	5173	5173	-77.9655	38.634	0	0.0105	0.0015	-416.844	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5173_5174	5173	5174	88.974	31.3545	0	-0.0225	-0.012	451.206	1
5174_5174	5174	5174	-88.2825	44.8065	0.0015	-0.0555	-0.0045	-475.802	1
5174_5175	5174	5175	96.0675	28.0215	0	0.045	-0.015	511.3185	1
5175_5175	5175	5175	-94.6965	38.8875	0	0.054	0	-508.365	1
5175_5176	5175	5176	95.79	33.027	0.0015	-0.057	-0.006	518.9475	1
5176_5176	5176	5176	-97.83	33.2925	0.0015	-0.0555	-0.006	-518.223	1
5176_5177	5176	5177	93.318	38.607	0	0.0525	-0.0105	509.949	1
5177_5177	5177	5177	-98.733	28.269	0	0.0465	0.0015	-511.332	1
5177_5178	5177	5178	87.585	44.514	0.0015	-0.0585	-0.003	478.3095	1
5178_5178	5178	5178	-92.3565	31.602	0	0.024	-0.003	-451.649	1
5178_5179	5178	5179	77.8485	38.532	0	-0.012	0	419.622	1
5179_5179	5179	5179	-95.448	24.8505	0	0.027	-0.0075	-446.375	1
5179_5180	5179	5180	69.2775	46.044	0	-0.018	0.006	365.295	1
5180_5180	5180	5180	-93.7605	18.9525	0.003	-0.036	-0.012	-410.415	1
5180_5181	5180	5181	54.7575	54.144	0	0.045	0.0015	270.0165	1
5181_5181	5181	5181	-88.893	18.969	-0.0015	0.0285	0.0105	-354.38	1
5181_5182	5181	5182	41.4675	54.585	0	-0.0225	0	178.482	1
5182_5182	5182	5182	-84.024	13.566	0.0015	-0.0285	0.0045	-301.472	1
5182_5183	5182	5183	23.0595	62.4645	-0.0015	0.0165	-0.015	51.1785	1
5183_5183	5183	5183	-74.3085	8.4165	-0.0015	0.0135	0.024	-206.283	1
5183_5184	5183	5184	-10.6905	70.4655	0	-0.0075	-0.0135	-188.615	1
5184_5184	5184	5184	60.978	77.5635	0	-0.0075	-0.0135	469.542	1
5184_5185	5184	5185	15.264	3.7335	0	0.0105	-0.042	126.603	1
5185_5185	5185	5185	42.384	66.411	0.0015	-0.006	-0.0195	161.397	1
5185_5186	5185	5186	15.54	9.123	-0.0015	-0.018	-0.006	224.0925	1
5186_5186	5186	5186	22.575	62.0865	0.003	-0.0135	-0.009	-41.388	1
5186_5187	5186	5187	36.4185	12.342	-0.0015	0.009	-0.0165	361.7955	1
5187_5187	5187	5187	-13.662	52.2735	0.003	0.0075	0.015	-250.968	1
5187_5188	5187	5188	58.743	20.8455	-0.0015	-0.015	-0.0435	448.353	1
5188_5188	5188	5188	-47.856	56.4705	0.0015	0.006	0.0495	-427.169	1
5188_5189	5188	5189	79.269	19.734	0	-0.0045	-0.0495	574.9095	1
5189_5189	5189	5189	-50.022	44.628	0.0015	0.003	0.0585	-420.494	1
5189_5190	5189	5190	72.3345	25.827	0	-0.003	-0.054	540.3975	1
5190_5190	5190	5190	-73.5825	47.6175	0.0015	0.0045	0.09	-558.968	1
5190_5191	5190	5191	88.9215	24.633	-0.0015	-0.0045	-0.081	647.757	1
5191_5191	5191	5191	-87.0825	38.1855	0.0015	0.0045	0.111	-638.144	1
5191_5192	5191	5192	90.1125	33.228	-0.0015	-0.0045	-0.1065	658.4655	1
5192_5192	5192	5192	-93.702	42.4215	0	0.006	0.1305	-677.162	1
5192_5193	5192	5193	99.3195	29.832	0	-0.006	-0.111	713.796	1
5193_5193	5193	5193	-100.202	33.957	0.0015	0.0045	0.138	-715.874	1
5193_5194	5193	5194	97.2945	38.115	0	-0.006	-0.117	701.304	1
5194_5194	5194	5194	-98.679	38.274	0.003	0.0045	0.1485	-706.989	1
5194_5195	5194	5195	99.3435	33.96	-0.0015	-0.006	-0.141	712.329	1
5195_5195	5195	5195	-101.582	30.0885	0.003	0.0045	0.177	-723.573	1
5195_5196	5195	5196	93.2655	42.429	-0.0015	-0.006	-0.168	675.2475	1
5196_5196	5196	5196	-93.5925	33.603	0.0015	0.003	0.2025	-674.216	1
5196_5197	5196	5197	86.8725	38.4405	-0.0015	-0.0045	-0.198	636.753	1
5197_5197	5197	5197	-93.7095	25.1745	0.0015	0.003	0.213	-670.244	1
5197_5198	5197	5198	73.821	47.805	-0.0015	-0.0045	-0.225	559.3275	1
5198_5198	5198	5198	-78.759	26.478	0.0015	0.0015	0.2145	-571.787	1
5198_5199	5198	5199	50.6625	45.0675	-0.0015	-0.003	-0.252	422.229	1
5199_5199	5199	5199	-86.427	20.5605	0.0015	-0.0015	0.246	-608.526	1
5199_5200	5199	5200	50.0415	56.949	-0.0015	0	-0.288	434.3385	1
5200_5200	5200	5200	-66.5715	21.195	0	-0.0075	0.243	-487.46	1
5200_5201	5200	5201	16.497	53.4015	0	0.0045	-0.2925	261.7455	1
5201_5201	5201	5201	-41.5695	12.948	0	-0.0045	0.33	-415.298	1
5201_5202	5201	5202	-19.3035	63.1065	-0.0015	0.0045	-0.4575	63.804	1
5202_5202	5202	5202	-20.358	9.681	0.0015	-0.03	0.2925	-274.469	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5202_5203	5202	5203	-38.004	67.7235	-0.0015	0.0075	-0.4575	-133.122	1
5203_5203	5203	5203	-2.7225	3.84	0.003	-0.0135	0.2565	-104.706	1
5203_5204	5203	5204	-55.914	78.447	-0.003	0.0165	-0.4755	-432.699	1
5204_5204	5204	5204	3.8955	71.8935	-0.006	-0.0105	0.3795	164.853	1
5204_5205	5204	5205	79.4115	10.0965	0.0105	0.021	-0.5895	248.904	1
5205_5205	5205	5205	-28.275	64.3695	-0.0075	0.0165	0.2295	-78.8955	1
5205_5206	5205	5206	89.142	15	0.012	-0.03	-0.375	351.9345	1
5206_5206	5206	5206	-46.26	56.9715	-0.0045	-0.027	0.1305	-209.859	1
5206_5207	5206	5207	93.657	20.043	0.0075	0.0345	-0.2865	404.9085	1
5207_5207	5207	5207	-59.8215	56.0355	-0.0015	0	0.057	-307.109	1
5207_5208	5207	5208	98.0625	20.2815	0.006	0.003	-0.2055	460.0695	1
5208_5208	5208	5208	-74.4705	48.339	-0.0015	0	0.015	-407.168	1
5208_5209	5208	5209	99.7125	25.836	0.006	0.003	-0.1395	496.59	1
5209_5209	5209	5209	-83.856	41.112	0	0	-0.0165	-467.988	1
5209_5210	5209	5210	97.2645	32.16	0.0045	0.0015	-0.084	504.873	1
5210_5210	5210	5210	-94.7265	45.858	0.0015	-0.0615	-0.036	-536.003	1
5210_5211	5210	5211	103.6725	29.8485	0.003	0.054	-0.0555	567.051	1
5211_5211	5211	5211	-100.632	40.257	0	0.0615	-0.0345	-568.868	1
5211_5212	5211	5212	102.909	34.644	0.0045	-0.06	-0.0165	574.143	1
5212_5212	5212	5212	-103.643	34.941	0.003	-0.06	-0.042	-580.083	1
5212_5213	5212	5213	100.2465	39.945	0.0015	0.06	-0.003	565.5585	1
5213_5213	5213	5213	-104.72	30.1275	0.0015	0.0555	-0.024	-575.475	1
5213_5214	5213	5214	94.7085	45.5355	0.003	-0.0615	0.0195	535.407	1
5214_5214	5214	5214	-98.628	32.4225	0.0015	0.0435	-0.015	-516.066	1
5214_5215	5214	5215	84.177	40.9305	-0.0015	-0.0285	0	469.857	1
5215_5215	5215	5215	-101.4	26.0925	0.0045	-0.042	-0.0105	-510.761	1
5215_5216	5215	5216	75.2175	48.135	-0.0045	0.048	-0.0375	412.152	1
5216_5216	5216	5216	-100.017	20.5215	0.0015	0.036	0.033	-476.958	1
5216_5217	5216	5217	61.017	55.809	-0.003	-0.027	-0.06	315.3675	1
5217_5217	5217	5217	-95.814	20.187	0.0015	0.144	0.06	-424.235	1
5217_5218	5217	5218	47.8155	56.9175	0.009	-0.0105	0.012	220.8975	1
5218_5218	5218	5218	-91.353	15.1395	0.0075	0.0945	0.075	-372.77	1
5218_5219	5218	5219	30.0915	64.2855	0.003	-0.0075	0.0225	92.1225	1
5219_5219	5219	5219	-81.789	10.2015	0.0285	-0.1425	0.126	-270.446	1
5219_5220	5219	5220	-2.4135	71.6865	-0.0135	0.1575	-0.1515	-146.024	1
5220_5220	5220	5220	53.31	78.708	-0.0015	0.102	0.078	370.1625	1
5220_5221	5220	5221	14.3835	4.329	0.012	-0.03	-0.318	111.531	1
5221_5221	5221	5221	33.3495	68.349	-0.0045	0.0495	0.087	65.142	1
5221_5222	5221	5222	24.3705	9.99	0.006	0.066	-0.0105	304.1385	1
5222_5222	5222	5222	11.6325	63.8865	0.003	0.2175	0.1095	-142.409	1
5222_5223	5222	5223	47.1675	13.323	-0.0105	-0.1335	-0.102	447.0225	1
5223_5223	5223	5223	-28.4505	54.4365	-0.003	-0.0435	0.1515	-340.629	1
5223_5224	5223	5224	74.691	21.2655	-0.0015	0.1245	-0.0705	524.481	1
5224_5224	5224	5224	-64.6875	57.9375	0.0075	0.2025	0.132	-517.085	1
5224_5225	5224	5225	96.66	20.94	-0.006	-0.156	-0.129	654.1335	1
5225_5225	5225	5225	-55.6875	45.3255	0.0015	-0.0465	0.2355	-503.211	1
5225_5226	5225	5226	78.702	26.802	-0.0015	0.132	-0.171	624.3585	1
5226_5226	5226	5226	-81.441	47.4855	0.0075	0.288	0.2565	-668.468	1
5226_5227	5226	5227	95.8965	27.3705	-0.003	-0.198	-0.258	747.846	1
5227_5227	5227	5227	-93.357	37.9965	0.0015	-0.1575	0.36	-744.828	1
5227_5228	5227	5228	95.0865	36.1365	0.0015	0.2445	-0.2685	749.328	1
5228_5228	5228	5228	-95.064	40.5765	0.012	0.3	0.396	-755.252	1
5228_5229	5228	5229	98.4435	33.735	-0.006	-0.2085	-0.384	774.1185	1
5229_5229	5229	5229	-99.312	31.3965	0.006	-0.165	0.555	-780.456	1
5229_5230	5229	5230	91.7115	43.005	-0.0015	0.249	-0.447	733.02	1
5230_5230	5230	5230	-93.8985	33.1155	0.0105	0.2265	0.645	-741.23	1
5230_5231	5230	5231	85.5405	40.9455	-0.012	-0.1425	-0.648	694.548	1
5231_5231	5231	5231	-92.397	24.393	0.006	-0.1095	0.7725	-723.311	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5231_5232	5231	5232	69.501	50.826	-0.006	0.18	-0.7785	592.548	1
5232_5232	5232	5232	-91.386	26.9895	-0.009	0.1785	0.819	-708.156	1
5232_5233	5232	5233	67.8495	50.679	0.003	-0.0945	-0.789	581.5965	1
5233_5233	5233	5233	-92.6265	22.11	-0.0165	0.021	1.128	-711.329	1
5233_5234	5233	5234	61.7445	58.26	0.0105	0.012	-1.158	557.727	1
5234_5234	5234	5234	-81.3645	17.1945	-0.021	-0.1245	0.9915	-639.849	1
5234_5235	5234	5235	37.755	64.0575	0.0195	0.159	-0.9855	427.5795	1
5235_5235	5235	5235	-74.0115	18.3375	0.1305	0.1545	0.8235	-614.901	1
5235_5236	5235	5236	32.6535	64.65	-0.1275	-0.0585	-1.629	416.829	1
5236_5236	5236	5236	-45.7635	13.9575	0.1875	-0.015	2.3775	-561.249	1
5236_5237	5236	5237	-5.8155	69.129	-0.1965	0.123	-4.1865	233.2335	1
5237_5237	5237	5237	-34.7475	10.7235	0.171	-0.288	3.831	-497.508	1
5237_5238	5237	5238	-15.837	75.975	-0.1935	0.3705	-5.4825	148.2795	1
5238_5238	5238	5238	-19.047	18.15	-0.2205	0.21	4.6335	-335.831	1
5238_5239	5238	5239	-32.493	61.179	0.2235	-0.126	-3.3225	-57.8625	1
5239_5239	5239	5239	-9.273	12.0615	-0.21	-0.048	2.1825	-228.338	1
5239_5240	5239	5240	-44.5785	67.911	0.237	0.045	-0.678	-248.474	1
5240_5240	5240	5240	-25.023	58.4595	0.132	0.0915	-1.3185	29.049	1
5240_5241	5240	5241	90.3765	17.2455	-0.141	0.0015	-0.6	349.308	1
5241_5241	5241	5241	-63.084	53.172	0.126	-0.186	0.222	-289.635	1
5241_5242	5241	5242	104.5215	26.0565	-0.1605	0.345	-1.4265	495.765	1
5242_5242	5242	5242	-66.303	47.6985	0.117	-0.1725	0.8325	-324.89	1
5242_5243	5242	5243	102.081	30.8895	-0.1665	0.402	-2.4555	494.184	1
5243_5243	5243	5243	-60.4965	59.5185	-0.0645	0.243	1.212	-287.622	1
5243_5244	5243	5244	100.599	19.518	0.111	-0.144	-1.314	504.414	1
5244_5244	5244	5244	-79.62	50.5035	-0.039	-0.0915	0.324	-439.4	1
5244_5245	5244	5245	103.1295	25.761	0.0885	0.207	-0.369	556.119	1
5245_5245	5245	5245	-90.9	46.5765	-0.012	0.294	-0.2085	-521.409	1
5245_5246	5245	5246	103.203	28.7805	0.0345	-0.18	0.024	585.393	1
5246_5246	5246	5246	-102.471	38.4525	0.0045	-0.1335	-0.4485	-599.156	1
5246_5247	5246	5247	102.4575	36.5715	0.015	0.237	0.204	601.5615	1
5247_5247	5247	5247	-106.775	36.78	-0.024	0.2835	-0.495	-612.83	1
5247_5248	5247	5248	100.443	38.556	0.027	-0.165	0.462	598.722	1
5248_5248	5248	5248	-108.255	28.95	-0.006	-0.1065	-0.804	-593.813	1
5248_5249	5248	5249	88.98	46.512	0.015	0.2145	0.6525	513.711	1
5249_5249	5249	5249	-109.098	25.878	-0.018	0.192	-0.912	-564.267	1
5249_5250	5249	5250	78.0255	50.7075	0.018	-0.081	0.8715	425.646	1
5250_5250	5250	5250	-109.371	20.016	0.0045	-0.093	-1.0695	-531.182	1
5250_5251	5250	5251	62.5695	59.9355	0.009	0.1665	1.035	294.0375	1
5251_5251	5251	5251	-111.617	32.217	0.1605	0.2325	-0.972	-526.28	1
5251_5252	5251	5252	69.9135	48.5385	-0.1485	-0.111	0.2025	335.8365	1
5252_5252	5252	5252	-113.522	27.264	0.162	0.063	0.0045	-520.58	1
5252_5253	5252	5253	64.929	53.49	-0.1665	-0.036	-0.882	282.1155	1
5253_5253	5253	5253	-107.495	20.5185	0.1545	-0.1815	0.8625	-436.317	1
5253_5254	5253	5254	42.8115	58.7235	-0.18	0.1365	-2.64	88.002	1
5254_5254	5254	5254	20.1645	63.0735	0.1455	0.8505	1.2075	-54.264	1
5254_5255	5254	5255	15.8175	26.409	-0.2565	-0.216	-2.9445	325.4265	1
5255_5255	5255	5255	40.62	67.4505	-0.174	0.117	0.9735	235.8195	1
5255_5256	5255	5256	14.991	12.9795	0.2355	-0.057	0.054	272.1975	1
5256_5256	5256	5256	21.3795	60.5625	-0.1635	-0.0135	-1.3515	-52.0605	1
5256_5257	5256	5257	29.325	20.337	0.2385	0.2775	2.505	414.2115	1
5257_5257	5257	5257	5.967	76.254	0.0855	0.3165	-2.8095	-220.221	1
5257_5258	5257	5258	45.2415	11.634	-0.0915	-0.2595	2.0655	557.433	1
5258_5258	5258	5258	-6.963	70.4715	0.0765	0.1635	-2.184	-324.221	1
5258_5259	5258	5259	57.1785	14.7045	-0.087	-0.084	1.4925	624.2535	1
5259_5259	5259	5259	-33.7965	64.1715	0.0435	-0.0435	-0.951	-398.936	1
5259_5260	5259	5260	82.77	18.336	-0.0495	0.126	0.6075	626.265	1
5260_5260	5260	5260	-59.5155	65.3325	0.0435	0.2475	-0.579	-537.194	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5260_5261	5260	5261	98.622	18.4455	-0.0345	-0.2055	0.432	714.5955	1
5261_5261	5261	5261	-74.472	60.069	0.0345	0.0375	-0.267	-611.288	1
5261_5262	5261	5262	106.035	22.158	-0.0315	0.003	0.234	756.6825	1
5262_5262	5262	5262	-70.5525	50.1915	0.021	-0.0045	0.021	-525.141	1
5262_5263	5262	5263	99.9285	26.43	-0.024	0.075	-0.1305	658.7385	1
5263_5263	5263	5263	-88.0245	50.6385	0.015	0.174	0.2835	-628.44	1
5263_5264	5263	5264	110.598	26.4555	-0.0075	-0.117	-0.2745	729.5145	1
5264_5264	5264	5264	-101.058	41.6535	0.012	-0.0435	0.4785	-706.229	1
5264_5265	5264	5265	110.7465	34.3245	-0.006	0.1005	-0.39	738.7515	1
5265_5265	5265	5265	-105.149	43.1595	0.021	0.2295	0.636	-732.813	1
5265_5266	5265	5266	114.486	33.1275	-0.0135	-0.1605	-0.63	766.551	1
5266_5266	5266	5266	-111.698	34.674	0.0135	-0.0945	0.885	-771.995	1
5266_5267	5266	5267	110.142	41.7345	-0.009	0.1605	-0.819	747.714	1
5267_5267	5267	5267	-108.381	36.246	0.015	0.2535	1.041	-753.512	1
5267_5268	5267	5268	106.0635	40.0815	-0.015	-0.1755	-1.08	729.5385	1
5268_5268	5268	5268	-108.473	28.2165	0.006	-0.129	1.1865	-751.364	1
5268_5269	5268	5269	93.0555	48.885	-0.0075	0.198	-1.2285	660.4965	1
5269_5269	5269	5269	-109.448	30.843	0.0135	0.2205	1.2255	-752.651	1
5269_5270	5269	5270	93.339	48.219	-0.0225	-0.1425	-1.47	665.7495	1
5270_5270	5270	5270	-105.909	24.8805	0.0075	0	1.296	-726.552	1
5270_5271	5270	5271	79.1235	55.0515	-0.0165	0.0435	-1.6245	587.595	1
5271_5271	5271	5271	-97.866	21.066	0.0045	-0.2055	1.7655	-784.398	1
5271_5272	5271	5272	65.9325	62.4105	-0.015	0.27	-2.247	614.7975	1
5272_5272	5272	5272	-86.9685	21.705	0.0915	0.2055	1.7055	-715.133	1
5272_5273	5272	5273	47.5275	61.113	-0.0915	-0.1005	-2.8425	522.318	1
5273_5273	5273	5273	-77.3895	17.88	0.084	0.0045	2.2395	-672.381	1
5273_5274	5273	5274	30.8295	66.4665	-0.0915	0.06	-3.3825	441.516	1
5274_5274	5274	5274	-44.3025	12.864	0.1095	-0.3255	4.0245	-571.521	1
5274_5275	5274	5275	-18.519	71.511	-0.138	0.4695	-6.801	153.1335	1
5275_5275	5275	5275	-28.1925	21.2355	-0.411	0.0855	4.7025	-460.214	1
5275_5276	5275	5276	-25.593	60.054	0.342	0.0495	-3.2925	90.4065	1
5276_5276	5276	5276	-18.774	15.7995	-0.4065	-0.21	0.177	-394.158	1
5276_5277	5276	5277	-35.3535	67.2765	0.381	0.24	0.8925	-29.4135	1
5277_5277	5277	5277	-11.55	22.7685	0.3255	-0.456	-3.9585	-319.067	1
5277_5278	5277	5278	-34.7205	62.0265	-0.12	0.15	0.6525	-41.628	1
5278_5278	5278	5278	-47.28	53.8875	0.1695	0.324	-1.3785	-144.425	1
5278_5279	5278	5279	105.918	25.197	-0.093	-0.1635	-0.5775	480.537	1
5279_5279	5279	5279	-65.6205	48.657	0.162	0.0885	0.1305	-298.344	1
5279_5280	5279	5280	108.939	32.172	-0.123	0.1155	-1.305	524.055	1
5280_5280	5280	5280	-53.4195	52.1355	-0.06	0.1665	0.9495	-215.772	1
5280_5281	5280	5281	101.259	23.208	0.0795	-0.132	-0.4395	482.811	1
5281_5281	5281	5281	-66.4815	41.0775	-0.039	-0.039	0.0825	-313.521	1
5281_5282	5281	5282	94.524	31.407	0.0675	0.1215	0.3795	463.7145	1
5282_5282	5282	5282	-68.1765	41.946	0.0555	0.324	-1.3455	-386.123	1
5282_5283	5282	5283	81.8745	30.7245	0.0435	-0.204	1.638	502.05	1
5283_5283	5283	5283	-78.894	32.409	0.1185	-0.1875	-0.4665	-461.558	1
5283_5284	5283	5284	73.755	41.088	-0.012	0.3465	1.2465	451.857	1
5284_5284	5284	5284	-84.2025	36.105	0.0285	0.2685	1.3515	-465.456	1
5284_5285	5284	5285	71.3535	35.964	-0.084	-0.1365	-0.213	442.53	1
5285_5285	5285	5285	-94.7475	27.915	0.042	-0.1365	1.7685	-519.255	1
5285_5286	5285	5286	66.8595	46.023	-0.1005	0.24	-1.653	394.068	1
5286_5286	5286	5286	-97.2045	31.206	-0.162	0.4365	1.9125	-473.873	1
5286_5287	5286	5287	59.3085	42.6555	0.216	-0.174	0.5145	300.393	1
5287_5287	5287	5287	-104.286	22.668	-0.045	-0.1275	0.267	-480.669	1
5287_5288	5287	5288	49.3995	52.9815	0.1905	0.2325	2.604	164.3505	1
5288_5288	5288	5288	-115.524	36.5685	0.4275	0.6525	0.0825	-576.701	1
5288_5289	5288	5289	70.473	48.7125	-0.5295	-0.627	0.309	339.096	1
5289_5289	5289	5289	-112.476	29.7255	0.3975	0.3915	2.3595	-494.196	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5289_5290	5289	5290	51.7425	51.8685	-0.573	-0.552	-5.286	111.858	1
5290_5290	5290	5290	11.7795	66.6375	0.7845	-0.6315	1.131	16.3785	1
5290_5291	5290	5291	14.9415	18.3285	-1.2705	0.879	-14.2065	309.8415	1
5291_5291	5291	5291	1.4535	68.2995	-0.7185	0.426	7.656	-165.147	1
5291_5292	5291	5292	26.514	15.033	0.969	-0.2565	-3.1245	468.1425	1
5292_5292	5292	5292	-17.007	60.69	-0.6615	-0.2625	-0.4935	-414.884	1
5292_5293	5292	5293	38.748	21.921	0.9555	0.5715	6.774	601.872	1
5293_5293	5293	5293	-35.2455	70.0815	0.1335	0.75	-6.804	-624.713	1
5293_5294	5293	5294	53.7075	15.9285	-0.18	-0.525	5.7045	787.836	1
5294_5294	5294	5294	-59.076	63.3135	0.0825	0.1095	-3.8115	-713.351	1
5294_5295	5294	5295	73.0545	20.397	-0.114	-0.03	3.0615	821.592	1
5295_5295	5295	5295	-71.949	56.826	0.075	-0.2355	-3.0615	-826.422	1
5295_5296	5295	5296	79.0155	25.8735	-0.108	0.3555	2.2725	889.9845	1
5296_5296	5296	5296	-91.224	64.89	0.075	0.459	-2.403	-1031.81	1
5296_5297	5296	5297	94.5345	21.882	-0.069	-0.351	2.0745	1058.757	1
5297_5297	5297	5297	-73.1805	57.918	0.1065	0.405	-3.0705	-1050.98	1
5297_5298	5297	5298	77.832	24.777	-0.108	-0.264	2.2365	1102.226	1
5298_5298	5298	5298	-83.043	50.871	0.093	-0.471	-2.013	-1183.25	1
5298_5299	5298	5299	83.286	31.3335	-0.114	0.612	1.2255	1178.16	1
5299_5299	5299	5299	-83.928	54.6405	0.0045	1.053	-1.161	-1196.2	1
5299_5300	5299	5300	87.48	26.5275	-0.0015	-0.7725	1.1895	1236.554	1
5300_5300	5300	5300	-92.1375	45.3045	-0.0015	-0.6315	-1.0815	-1306.5	1
5300_5301	5300	5301	91.1565	34.7475	0.0075	0.8235	1.2465	1287.912	1
5301_5301	5301	5301	-95.532	49.5645	0.03	1.0605	-1.053	-1352.51	1
5301_5302	5301	5302	98.8455	30.9735	-0.033	-0.807	0.8025	1392.039	1
5302_5302	5302	5302	-103.278	40.9875	0.021	-0.7605	-0.6525	-1455.84	1
5302_5303	5302	5303	102.8565	40.023	-0.0255	0.9795	0.4755	1446.87	1
5303_5303	5303	5303	-99.459	45.2415	0.006	1.1655	-0.405	-1404.53	1
5303_5304	5303	5304	104.526	34.881	-0.0135	-0.93	0.279	1470.284	1
5304_5304	5304	5304	-105.15	37.011	-0.0045	-0.9195	-0.3405	-1478.69	1
5304_5305	5304	5305	107.0865	44.328	-0.003	1.2	0.2535	1505.496	1
5305_5305	5305	5305	-98.2215	41.772	0.0285	0.921	-0.4035	-1383.2	1
5305_5306	5305	5306	106.2015	38.421	-0.036	-0.789	-0.1545	1494.449	1
5306_5306	5306	5306	-95.1765	32.4345	0.0195	-0.552	-0.0945	-1336.99	1
5306_5307	5306	5307	101.43	47.2575	-0.0285	0.795	-0.438	1431.318	1
5307_5307	5307	5307	-84.8655	35.1	0.0075	0.936	0.0915	-1190.94	1
5307_5308	5307	5308	98.709	42.369	-0.0165	-0.8955	-0.5535	1394.765	1
5308_5308	5308	5308	-72.441	24.186	0	-0.5295	0.1065	-1012.04	1
5308_5309	5308	5309	88.329	51.4665	-0.0075	0.9045	-0.5475	1255.158	1
5309_5309	5309	5309	-52.926	21.4215	-0.018	0.531	0.0435	-736.343	1
5309_5310	5309	5310	78.774	48.6735	-0.003	-0.675	-0.462	1124.762	1
5310_5310	5310	5310	-37.653	12.222	-0.0165	-0.261	-0.171	-521.595	1
5310_5311	5310	5311	59.811	59.247	0.021	0.6915	0.132	866.8455	1
5311_5311	5311	5311	-20.3925	7.695	0.009	0.222	-0.2145	-282.309	1
5311_5312	5311	5312	31.4925	63.813	-0.024	-0.2835	0.18	481.2645	1
5312_5312	5312	5312	-0.5115	3.3495	0.2235	0.0555	-2.4225	17.1975	1
5312_5313	5312	5313	-5.2605	78.2865	-0.021	0.4605	0	-21.6495	1
5400_5020	5400	5020	26.7675	1.6305	0.228	0.0045	1.1145	143.3115	1
5400_5401	5400	5401	-42.792	24.9345	-0.1995	-0.0015	2.541	499.068	1
5401_5401	5401	5401	24.3465	1.7655	-0.0885	-0.147	1.887	132.024	1
5401_5402	5401	5402	-37.395	19.8795	-0.2055	-0.609	1.4475	442.422	1
5402_5402	5402	5402	34.1235	2.4525	-0.156	0.0615	1.884	142.4205	1
5402_5403	5402	5403	-37.8615	18.9765	-0.144	0.1965	0.105	235.1775	1
5403_5403	5403	5403	43.797	3.6675	0.009	-0.027	0.2445	123.3225	1
5403_5404	5403	5404	-29.7975	14.208	-0.024	-0.051	0.06	137.538	1
5404_5404	5404	5404	49.3935	4.752	-0.0285	0.0435	0.3645	101.772	1
5404_5405	5404	5405	-30.114	13.524	-0.003	0.0555	0.0735	39.909	1
5405_5405	5405	5405	59.844	6.705	-0.0135	0.0075	0.1875	72.801	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5405_5406	5405	5406	-26.2695	10.662	-0.0195	0.0015	-0.207	-116.933	1
5406_5406	5406	5406	67.122	9.0525	0.051	0.066	-0.0015	-19.2405	1
5406_5407	5406	5407	-24.525	9.1995	0.0135	0.1095	-0.1215	-202.646	1
5407_5407	5407	5407	66.9165	10.461	-0.0525	-0.0885	0.39	-99.4365	1
5407_5408	5407	5408	-24.426	8.685	0.0435	-0.1815	-0.0075	-251.805	1
5408_5408	5408	5408	6.1575	0.2115	-0.06	0.0045	0.216	-25.0155	1
5408_5409	5408	5409	-28.6575	13.8285	-0.0495	-0.0285	-0.324	-262.776	1
5409_5409	5409	5409	26.541	13.638	-0.1035	0.0195	-0.3045	265.7055	1
5409_5410	5409	5410	14.9985	0.1995	-0.066	0.0105	-0.3195	-54.8535	1
5410_5410	5410	5410	24.1785	8.5965	0.024	0.1275	-0.63	250.4535	1
5410_5411	5410	5411	-74.616	10.9185	-0.021	0.0645	0.5535	97.1475	1
5411_5411	5411	5411	24.0615	9.102	0.045	-0.069	-0.4125	202.3905	1
5411_5412	5411	5412	-72.5505	9.363	-0.099	-0.048	-0.303	16.3575	1
5412_5412	5412	5412	24.5895	10.482	0.0195	0.0015	-0.069	119.1705	1
5412_5413	5412	5413	-74.9055	7.023	0.018	-0.0075	-0.1005	-82.884	1
5413_5413	5413	5413	27.405	13.1835	-0.0225	-0.0525	0.2655	-37.1355	1
5413_5414	5413	5414	-78.1995	4.89	0.042	-0.054	0.204	-116.409	1
5414_5414	5414	5414	30.453	13.854	-0.003	0.057	0.0615	-133.821	1
5414_5415	5414	5415	-72.0645	3.192	-0.0225	0.036	-0.015	-134.229	1
5415_5415	5415	5415	37.908	18.528	-0.183	0.3375	0.1515	-228.135	1
5415_5416	5415	5416	-68.286	1.404	0.132	0.1125	1.386	-137.403	1
5416_5416	5416	5416	38.586	19.4625	-0.297	-1.062	-1.473	-428.669	1
5416_5417	5416	5417	-4.3035	0.3315	0.06	-0.0645	0.669	-22.158	1
5417_5417	5417	5417	44.598	24.3945	-0.1605	-0.0135	-2.937	-481.235	1
5417_5036	5417	5036	-4.5345	0.2955	0.1455	0.003	1.266	-23.7105	1
5420_5056	5420	5056	21.1995	0.7245	0.1575	0.003	0.768	91.5195	1
5420_5421	5420	5421	-44.376	23.076	-0.1605	-0.003	1.5825	429.156	1
5421_5421	5421	5421	19.0995	0.8505	-0.084	-0.015	1.2705	84.2715	1
5421_5422	5421	5422	-38.688	17.94	-0.114	-0.1515	0.921	379.446	1
5422_5422	5422	5422	28.9425	1.4115	-0.114	0.012	1.185	98.7135	1
5422_5423	5422	5423	-39.1065	17.007	-0.0945	0.0495	-0.0495	193.779	1
5423_5423	5423	5423	38.9565	2.4315	0.027	-0.0225	-0.0585	92.631	1
5423_5424	5423	5424	-30.492	12.3405	-0.015	-0.0435	-0.0705	111.1515	1
5424_5424	5424	5424	73.8765	3.804	-0.045	0.03	0.3945	99.195	1
5424_5425	5424	5425	-27.7035	11.6265	0.0045	0.0465	0.0045	26.568	1
5425_5425	5425	5425	70.3455	5.733	-0.0165	-0.0045	0.09	73.386	1
5425_5426	5425	5426	-25.254	9.003	-0.012	0.0015	-0.1425	-106.748	1
5426_5426	5426	5426	67.7325	7.905	0.0945	0.06	-0.1815	-7.392	1
5426_5427	5426	5427	-24.84	7.629	-0.0075	0.141	-0.204	-176.013	1
5427_5427	5427	5427	69.7275	9.324	-0.069	-0.12	0.576	-75.453	1
5427_5428	5427	5428	-24.9915	7.119	0.0405	-0.2415	-0.1545	-215.58	1
5428_5428	5428	5428	-15.4395	0.5595	-0.0795	-0.09	-0.666	47.889	1
5428_5429	5428	5429	-26.9265	12.3555	-0.024	0.0075	-0.0705	-233.52	1
5429_5429	5429	5429	26.8665	12.357	-0.066	0.0555	-0.387	233.1795	1
5429_5430	5429	5430	13.635	0.4425	-0.078	-0.003	-0.1485	-42.882	1
5430_5430	5430	5430	25.041	7.074	0.024	-0.027	-0.204	215.313	1
5430_5431	5430	5431	-68.3025	8.871	-0.1005	-0.009	0.534	68.769	1
5431_5431	5431	5431	24.882	7.6125	0.018	0.0165	-0.0915	176.061	1
5431_5432	5431	5432	-61.9305	7.527	0.084	0.0195	-0.0045	11.646	1
5432_5432	5432	5432	25.362	8.955	0	0.0015	0.0165	106.824	1
5432_5433	5432	5433	-52.818	5.3565	-0.009	0.0075	-0.126	-59.9235	1
5433_5433	5433	5433	27.849	11.5515	0.012	0.0195	0.0465	-25.8705	1
5433_5434	5433	5434	-45.4485	3.5985	0.003	0.0195	-0.066	-82.4895	1
5434_5434	5434	5434	30.612	12.24	0.003	-0.021	0.1515	-110.096	1
5434_5435	5434	5435	-39.552	2.6265	0.0165	-0.0075	0.075	-96.408	1
5435_5435	5435	5435	39.213	16.929	-0.054	-0.12	0.2385	-192.053	1
5435_5436	5435	5436	-27.5475	1.551	-0.06	-0.03	-0.5625	-102.615	1
5436_5436	5436	5436	38.805	17.8455	-0.009	0.387	-0.489	-377.085	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5436_5437	5436	5437	-18.606	1.0035	-0.0795	0.1005	-0.828	-89.9295	1
5437_5437	5437	5437	44.385	23.0565	-0.27	-0.027	-0.1695	-426.774	1
5437_5072	5437	5072	-20.517	0.87	0.177	0	-0.066	-97.5675	1
5440_5094	5440	5094	19.6785	0.834	0.108	0	0.4575	90.9585	1
5440_5441	5440	5441	-43.386	22.6155	-0.0735	-0.006	0.834	411.657	1
5441_5441	5441	5441	17.085	0.933	-0.0465	-0.051	0.7965	82.317	1
5441_5442	5441	5442	-37.9275	17.3445	-0.084	-0.291	0.468	362.9985	1
5442_5442	5442	5442	27.732	1.4685	-0.087	0.027	0.8625	98.022	1
5442_5443	5442	5443	-38.3325	16.4295	-0.048	0.099	0.0585	183.492	1
5443_5443	5443	5443	36.927	2.478	0.0345	-0.0375	-0.1155	90.5985	1
5443_5444	5443	5444	-29.7855	11.745	-0.0225	-0.063	-0.117	104.9385	1
5444_5444	5444	5444	66.309	3.519	-0.048	0.045	0.369	91.2765	1
5444_5445	5444	5445	-27.0765	11.0715	0.0075	0.0645	-0.0075	24.324	1
5445_5445	5445	5445	64.512	5.4	-0.003	-0.006	0.0645	67.932	1
5445_5446	5445	5446	-24.7725	8.532	0.0045	0	0.0645	-101.939	1
5446_5446	5446	5446	64.3155	7.4595	0.0015	0.0075	0.0195	-7.0935	1
5446_5447	5446	5447	-24.342	7.23	-0.0915	0.0285	-0.768	-167.636	1
5447_5447	5447	5447	66.4095	8.8005	-0.036	-0.0315	0.0285	-70.944	1
5447_5448	5447	5448	-24.4245	6.7275	-0.0795	-0.048	-1.2525	-205.242	1
5448_5448	5448	5448	-14.409	0.4605	0.0135	-0.0315	-0.036	45.6045	1
5448_5449	5448	5449	-26.4525	11.901	0.006	-0.1965	-1.275	-222.422	1
5449_5449	5449	5449	25.95	11.841	0.009	-0.1605	1.0455	222.348	1
5449_5450	5449	5450	10.8075	0.3285	0.003	0.0375	-0.3855	-35.049	1
5450_5450	5450	5450	24.3135	6.732	-0.084	0.036	1.089	205.044	1
5450_5451	5450	5451	-65.2485	8.679	-0.066	0.012	0.522	69.429	1
5451_5451	5451	5451	24.411	7.248	-0.078	-0.0195	0.6255	166.731	1
5451_5452	5451	5452	-62.9865	7.32	-0.084	-0.0165	-0.204	6.9975	1
5452_5452	5452	5452	24.471	8.535	0.0105	0.0015	-0.105	101.7645	1
5452_5453	5452	5453	-64.32	5.3235	0.015	-0.006	0.0075	-67.5135	1
5453_5453	5453	5453	26.5545	11.046	-0.0015	0.012	0.063	-24.6735	1
5453_5454	5453	5454	-64.5345	3.504	-0.0195	0.0015	-0.1305	-89.7975	1
5454_5454	5454	5454	29.1195	11.712	-0.006	-0.009	0.0615	-105.18	1
5454_5455	5454	5455	-38.1435	2.49	0.0075	0	0.0105	-92.94	1
5455_5455	5455	5455	37.4295	16.3425	-0.0465	0.081	0.141	-183.701	1
5455_5456	5455	5456	-28.815	1.458	-0.0735	0.024	-0.735	-100.068	1
5456_5456	5456	5456	37.023	17.244	-0.0765	-0.2565	-0.267	-362.07	1
5456_5457	5456	5457	-19.3665	0.882	-0.0435	-0.045	-0.7575	-86.394	1
5457_5457	5457	5457	42.372	22.5495	-0.0615	-0.0015	-0.7395	-410.201	1
5457_5110	5457	5110	-21.993	0.7545	0.0645	0.0015	-0.5955	-94.7565	1
5460_5132	5460	5132	16.674	2.358	-0.192	-0.0045	1.3695	115.176	1
5460_5461	5460	5461	-48.7695	25.512	0.7365	0.0165	0.111	456.516	1
5461_5461	5461	5461	14.004	2.4195	-0.06	0.0735	0.534	101.5005	1
5461_5462	5461	5462	-48.9525	19.704	0.0585	0.276	0.234	387.8145	1
5462_5462	5462	5462	19.0065	2.8065	-0.051	-0.021	0.333	100.1595	1
5462_5463	5462	5463	-42.7005	18.618	0.0195	-0.0885	0.3225	196.752	1
5463_5463	5463	5463	25.164	3.444	-0.003	0.0645	-0.414	74.139	1
5463_5464	5463	5464	-34.6905	13.23	0.054	0.1515	0.177	108.2085	1
5464_5464	5464	5464	30.45	4.0845	0.084	-0.0705	-0.543	53.295	1
5464_5465	5464	5465	-34.014	12.432	-0.03	-0.159	-0.156	19.104	1
5465_5465	5465	5465	76.7805	5.4975	-0.0045	-0.0045	0.117	95.13	1
5465_5466	5465	5466	-27.2835	9.4005	0.0135	0.0015	0.0765	-116.576	1
5466_5466	5466	5466	78.9045	8.073	-0.0075	-0.039	0.045	20.253	1
5466_5467	5466	5467	-25.95	7.8735	0.045	-0.123	0.4215	-186.821	1
5467_5467	5467	5467	81.5865	9.7095	0.1485	0.0525	0	-47.9955	1
5467_5468	5467	5468	-25.194	7.353	0.0045	0.213	0.606	-227.928	1
5468_5468	5468	5468	11.304	1.7985	-0.024	0.0105	0.1905	-94.8765	1
5468_5469	5468	5469	-63.4545	14.4315	-0.0465	0.0165	-0.1725	-160.61	1
5469_5469	5469	5469	57.624	14.0175	-0.0375	0.036	-0.261	167.346	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5469_5470	5469	5470	20.334	1.89	0	-0.0105	0.024	-22.9125	1
5470_5470	5470	5470	23.703	7.569	0.0375	-0.0885	-0.234	225.411	1
5470_5471	5470	5471	-51.9495	9.1935	-0.0285	-0.051	0	112.311	1
5471_5471	5471	5471	24.0195	8.07	0.0225	0.0495	-0.0855	183.1665	1
5471_5472	5471	5472	-50.844	8.1165	0.0135	0.033	0.084	42.09	1
5472_5472	5472	5472	26.0805	9.531	-0.0075	0	0.105	110.4225	1
5472_5473	5472	5473	-46.938	6.2445	-0.015	0.003	-0.105	-45.204	1
5473_5473	5473	5473	29.8455	12.309	-0.003	0.0045	-0.0075	-26.9475	1
5473_5474	5473	5474	-41.892	4.6755	0.012	0.006	0.0135	-76.4835	1
5474_5474	5474	5474	30.42	13.0095	-0.0045	-0.003	-0.0255	-115.257	1
5474_5475	5474	5475	-37.0155	3.7515	0.0135	0	0.111	-99.9405	1
5475_5475	5475	5475	38.241	17.8905	0.006	-0.0315	-0.1425	-203.271	1
5475_5476	5475	5476	-31.842	2.7135	-0.0585	-0.0105	-0.5565	-125.291	1
5476_5476	5476	5476	44.142	18.8775	0.0195	0.1275	-0.1395	-387.306	1
5476_5477	5476	5477	-24.9645	2.04	-0.063	0.0495	-0.7275	-121.733	1
5477_5477	5477	5477	43.9305	24.2115	0.009	-0.0015	0.129	-453.153	1
5477_5148	5477	5148	-26.259	1.965	-0.0915	-0.0045	-1.086	-131.993	1
5480_5168	5480	5168	20.3025	1.671	-0.06	-0.0075	0.6495	108.15	1
5480_5481	5480	5481	-48.147	24.9435	-0.1245	-0.021	-0.912	470.6265	1
5481_5481	5481	5481	18.4095	1.7715	-0.072	0.1785	0.4845	98.076	1
5481_5482	5481	5482	-48.3315	19.695	0.111	0.7455	-0.0915	401.9475	1
5482_5482	5482	5482	25.4325	2.304	-0.021	-0.06	0.129	102.387	1
5482_5483	5482	5483	-42.033	18.6195	0.0105	-0.2475	-0.303	211.161	1
5483_5483	5483	5483	33.303	3.2055	-0.018	0.045	-0.033	83.0385	1
5483_5484	5483	5484	-33.654	13.68	0.0315	0.0855	0.012	118.8885	1
5484_5484	5484	5484	37.3425	4.0215	0.0345	-0.0405	-0.21	62.637	1
5484_5485	5484	5485	-33.006	12.909	-0.0105	-0.0885	-0.1245	26.316	1
5485_5485	5485	5485	42.7665	5.5125	-0.0105	0.003	0.072	36.0105	1
5485_5486	5485	5486	-28.6185	10.023	0.0105	0	0.0465	-118.112	1
5486_5486	5486	5486	47.892	7.4115	0.033	-0.021	-0.048	-40.7445	1
5486_5487	5486	5487	-25.512	8.4795	0.0285	-0.0465	0.3285	-194.861	1
5487_5487	5487	5487	82.881	9.0495	0.057	0.015	-0.102	-31.7355	1
5487_5488	5487	5488	-25.6815	7.953	0.0135	0.0885	0.4665	-239.066	1
5488_5488	5488	5488	-23.064	1.95	0.0045	-0.0105	-0.1455	-29.3415	1
5488_5489	5488	5489	-62.5635	14.8425	0.003	0.0315	0.1545	-173.055	1
5489_5489	5489	5489	65.0055	15.3285	-0.0555	0	0.063	178.4535	1
5489_5490	5489	5490	-13.395	1.7055	0	0.0015	0.0735	101.61	1
5490_5490	5490	5490	26.7795	7.9425	0.024	-0.093	0.0045	241.353	1
5490_5491	5490	5491	-84.2955	8.916	-0.0315	-0.021	-0.288	30.2115	1
5491_5491	5491	5491	26.61	8.49	0.0075	0.0495	0.072	197.2155	1
5491_5492	5491	5492	-44.3925	7.4475	-0.0105	0.03	0.0015	48.912	1
5492_5492	5492	5492	30.03	10.1175	-0.015	0	0.102	120.8265	1
5492_5493	5492	5493	-39.252	5.733	0.0015	0.0015	0.027	-30.363	1
5493_5493	5493	5493	34.74	13.1145	0.0075	0.0885	-0.135	-24.7365	1
5493_5494	5493	5494	-33.8505	4.3995	-0.024	0.0435	-0.168	-59.1885	1
5494_5494	5494	5494	35.4255	13.932	-0.0375	-0.0855	-0.018	-118.791	1
5494_5495	5494	5495	-29.8485	3.666	0.024	-0.0375	0.048	-82.5165	1
5495_5495	5495	5495	44.1075	18.957	-0.0015	0.2475	-0.3795	-212.963	1
5495_5496	5495	5496	-22.131	2.8695	-0.0405	0.063	-0.4395	-107.477	1
5496_5496	5496	5496	50.601	20.1045	-0.111	-0.7545	-0.102	-407.988	1
5496_5497	5496	5497	-17.019	2.4105	0.0075	-0.177	-0.2895	-108.14	1
5497_5497	5497	5497	50.3925	25.2615	0.0435	0.0225	-0.951	-478.134	1
5497_5184	5497	5184	-17.7075	2.3235	-0.045	0.0045	-0.5955	-118.734	1
5500_5204	5500	5204	13.476	0.4785	-0.0915	-0.0045	1.7535	62.922	1
5500_5501	5500	5501	-50.631	25.4865	-0.288	-0.0135	1.1595	510.306	1
5501_5501	5501	5501	13.3005	0.5835	-0.099	0.0075	1.32	60.5085	1
5501_5502	5501	5502	-45.9255	20.688	-0.099	-0.138	0.42	449.9145	1
5502_5502	5502	5502	20.946	1.008	-0.126	0.009	1.185	74.847	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5502_5503	5502	5503	-45.195	19.5945	-0.081	0.033	-0.438	237.828	1
5503_5503	5503	5503	71.2395	2.532	-0.0675	0.057	0.255	122.451	1
5503_5504	5503	5504	-36.7365	14.8365	0.0375	0.102	-0.0345	136.8225	1
5504_5504	5504	5504	81.513	4.3035	0.045	-0.0975	-0.324	113.5965	1
5504_5505	5504	5505	-33.42	14.0235	-0.0075	-0.0975	-0.1605	34.4385	1
5505_5505	5505	5505	80.466	6.5175	0.0195	-0.018	-0.018	86.4795	1
5505_5506	5505	5506	-30.021	11.103	0.015	0.003	0.1065	-130.544	1
5506_5506	5506	5506	77.052	8.994	-0.174	-0.0465	0.2205	-5.1975	1
5506_5507	5506	5507	-29.184	9.4875	0.0345	-0.0465	0.468	-217.031	1
5507_5507	5507	5507	79.713	10.599	-0.1155	0.0405	-1.317	-81.5835	1
5507_5508	5507	5508	-29.2965	8.886	0.015	0.102	0.6165	-266.733	1
5508_5508	5508	5508	-16.0965	0.582	0.0225	-0.567	-3.4425	43.0275	1
5508_5509	5508	5509	-31.365	14.8845	-0.1425	0.0885	0.4815	-285.503	1
5509_5509	5509	5509	30.807	15.078	-0.018	-0.048	0.3015	293.076	1
5509_5510	5509	5510	16.578	0.768	0.243	-0.576	4.3695	-45.0735	1
5510_5510	5510	5510	29.7315	8.9745	0.0315	-0.252	0.303	267.3015	1
5510_5511	5510	5511	-69.888	9.816	-0.1305	-0.0855	0.1035	86.394	1
5511_5511	5511	5511	29.541	9.585	-0.0165	0.144	0.2955	217.422	1
5511_5512	5511	5512	-67.422	8.397	0.006	0.075	0.09	15.6375	1
5512_5512	5512	5512	32.2335	11.283	-0.024	-0.0015	0.1875	127.3245	1
5512_5513	5512	5513	-59.142	5.9415	-0.021	0.015	-0.195	-65.718	1
5513_5513	5513	5513	37.026	14.3445	0.006	0.1035	-0.2055	-38.2275	1
5513_5514	5513	5514	-50.673	3.9885	-0.0165	0.078	-0.3105	-90.576	1
5514_5514	5514	5514	36.69	15.186	-0.0405	-0.099	-0.096	-141.68	1
5514_5515	5514	5515	-43.9995	2.9085	0.051	-0.0435	0.126	-105.543	1
5515_5515	5515	5515	45.057	19.995	-0.0855	0.207	-0.411	-246.66	1
5515_5516	5515	5516	-31.8135	1.698	-0.2685	0.045	-2.85	-113.192	1
5516_5516	5516	5516	45.75	21.096	-0.15	-0.4755	-1.173	-463.52	1
5516_5517	5516	5517	-21.507	1.0545	-0.1815	-0.0525	-2.8905	-97.578	1
5517_5517	5517	5517	51.951	25.7505	-0.306	-0.111	-0.2835	-522.999	1
5517_5220	5517	5220	-23.3265	0.9	0.45	0.003	-0.9705	-105.33	1
5520_5240	5520	5240	-22.695	2.5395	-0.927	-0.0105	8.085	-26.1915	1
5520_5521	5520	5521	-73.875	29.361	4.728	0.2085	17.8965	426.522	1
5521_5521	5521	5521	14.5425	0.7455	-0.1605	-0.186	2.5185	68.772	1
5521_5522	5521	5522	-57.6315	19.761	-1.2975	-1.3185	10.0245	421.0695	1
5522_5522	5522	5522	25.6605	1.2345	-0.333	0.069	3.1395	89.3925	1
5522_5523	5522	5523	-56.679	18.3375	-1.05	0.279	-1.194	222.666	1
5523_5523	5523	5523	74.01	2.331	0.252	-0.207	-2.487	118.749	1
5523_5524	5523	5524	-49.8495	14.9115	-0.0135	-0.222	-1.2945	116.946	1
5524_5524	5524	5524	82.218	4.1505	0.015	0.153	-0.687	109.9305	1
5524_5525	5524	5525	-50.064	13.7535	0.135	0.189	-0.189	17.6895	1
5525_5525	5525	5525	83.2455	6.4575	0.1575	-0.0135	-0.993	86.0685	1
5525_5526	5525	5526	-46.206	11.382	0.213	0.042	3.2055	-153.272	1
5526_5526	5526	5526	80.325	9.117	-0.9315	0.003	0.909	-4.131	1
5526_5527	5526	5527	-45.513	9.627	0.0555	0.219	3.711	-241.313	1
5527_5527	5527	5527	83.1015	10.8705	-1.0605	0.066	-7.6785	-81.8145	1
5527_5528	5527	5528	-45.705	8.664	0.102	-0.1335	4.158	-289.442	1
5528_5528	5528	5528	-18.459	0.6525	-0.111	0.2385	2.376	55.9065	1
5528_5529	5528	5529	-43.776	18.06	-0.8505	0.5325	3.717	-331.2	1
5529_5529	5529	5529	50.055	19.452	0.669	-0.816	6.1845	322.8495	1
5529_5530	5529	5530	17.9445	0.66	0.4905	-1.0995	10.9875	-52.2675	1
5530_5530	5530	5530	48.144	9.3705	0.0675	-0.321	3.5445	290.169	1
5530_5531	5530	5531	-86.28	10.464	1.191	-0.2955	-11.823	68.352	1
5531_5531	5531	5531	49.035	10.371	-0.087	0.0885	4.1685	235.7595	1
5531_5532	5531	5532	-83.574	8.6715	1.38	0.093	0.345	-5.6715	1
5532_5532	5532	5532	53.0655	12.753	-0.2325	-0.0165	2.931	139.212	1
5532_5533	5532	5533	-60.5175	6.075	-0.1095	0.0315	-1.821	-71.106	1
5533_5533	5533	5533	55.872	16.155	-0.222	0.0855	-0.5535	-46.218	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5533_5534	5533	5534	-50.403	4.077	-0.0345	0.0585	-2.0595	-95.349	1
5534_5534	5534	5534	59.7435	17.4885	-0.2535	0.021	-2.145	-163.605	1
5534_5535	5534	5535	-44.2635	2.9775	-0.0045	0.0345	-1.9395	-110.771	1
5535_5535	5535	5535	65.454	21.936	-0.3795	0.069	-3.699	-284.883	1
5535_5536	5535	5536	-31.9635	1.761	-0.567	-0.003	-8.0535	-118.316	1
5536_5536	5536	5536	64.9155	23.4795	-0.366	0.378	-7.878	-524.441	1
5536_5537	5536	5537	-23.7825	1.104	-0.4485	0.177	-8.013	-105.918	1
5537_5537	5537	5537	68.8185	26.8695	0.861	0.1065	-9.4545	-597.228	1
5537_5254	5537	5254	-26.7225	1.0305	0.708	0.1905	-6.0525	-116.162	1
5540_5278	5540	5278	26.8185	0.594	-0.117	-0.0795	-0.453	88.194	1
5540_5541	5540	5541	-71.3595	25.6695	-1.95	-1.089	-6.5565	598.7175	1
5541_5541	5541	5541	26.748	0.549	-0.012	-0.186	-0.777	85.683	1
5541_5542	5541	5542	-66.921	23.004	-0.2745	-1.2675	-7.704	529.0485	1
5542_5542	5542	5542	36.4605	1.314	-0.0705	0.0075	-1.1025	104.2905	1
5542_5543	5542	5543	-66.93	21.357	-0.1455	0.012	-9.051	296.4945	1
5543_5543	5543	5543	70.3275	2.616	0.3555	-0.216	-4.7835	120.7155	1
5543_5544	5543	5544	-61.965	17.5485	0.366	-0.3855	-5.763	171.27	1
5544_5544	5544	5544	82.7985	4.452	0.1545	0.138	-2.3235	113.8455	1
5544_5545	5544	5545	-59.0175	16.1325	0.531	0.2295	-1.626	53.196	1
5545_5545	5545	5545	87.3135	6.9285	0.2505	0.0135	-1.947	89.3055	1
5545_5546	5545	5546	-54.9795	13.1775	0.45	0.0915	5.4915	-142.398	1
5546_5546	5546	5546	87.432	10.1055	-1.905	0.0345	0.936	-6.1995	1
5546_5547	5546	5547	-52.1415	10.9275	0.09	0.3945	6.5775	-244.403	1
5547_5547	5547	5547	91.3065	11.943	-2.094	0.2325	-16.554	-91.578	1
5547_5548	5547	5548	-52.353	9.8625	0.1575	-0.0885	7.3035	-299.238	1
5548_5548	5548	5548	-17.7405	0.3765	-0.4365	0.7005	6.654	61.0245	1
5548_5549	5548	5549	-52.7625	20.913	-1.374	1.77	11.49	-334.319	1
5549_5549	5549	5549	55.476	20.862	0.4905	-1.962	12.333	329.472	1
5549_5550	5549	5550	-1.482	0.2745	0.0945	-0.231	1.746	11.5125	1
5550_5550	5550	5550	53.1735	9.3075	0.147	-0.4245	6.072	299.631	1
5550_5551	5550	5551	-78.5505	11.727	-1.9845	0.096	15.7395	84.0285	1
5551_5551	5551	5551	53.0895	10.5105	0.03	-0.0585	6.759	246.4905	1
5551_5552	5551	5552	-75.576	9.996	-1.7535	-0.0825	0.645	5.7105	1
5552_5552	5552	5552	57.0615	12.945	-0.4635	-0.081	6.3255	150.651	1
5552_5553	5552	5553	-65.0355	7.1685	-0.297	0.048	-3.609	-87.195	1
5553_5553	5553	5553	61.6725	16.05	-0.5895	0.1125	-0.657	-36.129	1
5553_5554	5553	5554	-54.2535	4.77	-0.138	0.108	-4.5225	-113.603	1
5554_5554	5554	5554	64.5345	17.6415	-0.6555	0.0735	-4.9305	-150.15	1
5554_5555	5554	5555	-45.9225	3.489	-0.075	0.081	-4.5825	-128.373	1
5555_5555	5555	5555	71.055	21.492	-1.9125	0.3915	-9.495	-269.594	1
5555_5556	5555	5556	-27.177	2.0355	-0.291	0.1185	-6.8595	-125.561	1
5556_5556	5556	5556	70.4235	23.4615	-2.073	-0.018	-29.532	-498.668	1
5556_5557	5556	5557	-19.737	1.368	-0.0705	-0.0345	-4.5315	-111.47	1
5557_5557	5557	5557	71.751	26.196	2.907	1.8435	-37.8375	-570.78	1
5557_5290	5557	5290	-22.137	1.29	0.135	0.2115	-5.0325	-124.892	1
45000_5000	45000	5000	1.488	76.5675	-0.3075	0.627	0	10.8075	1
45000_5001	45000	5001	0.4215	4.086	-0.165	0.1995	-2.1015	-48.8595	1
45001_5001	45001	5001	1.7805	64.197	-0.375	-0.5325	-4.7385	-803.793	1
45001_5002	45001	5002	-0.3855	10.1805	0.0735	0.42	1.6455	469.347	1
45002_5002	45002	5002	2.016	60.2415	0.459	1.299	-9.462	-1147.05	1
45002_5003	45002	5003	-0.606	12.87	-0.1305	-0.483	1.2255	697.4805	1
45003_5003	45003	5003	2.142	48.7035	0.4755	-1.287	-3.8595	-1503.9	1
45003_5004	45003	5004	-0.924	22.6905	-0.1995	1.017	-0.6	973.731	1
45004_5004	45004	5004	2.19	52.569	-0.054	0.8745	2.097	-1677.31	1
45004_5005	45004	5005	-1.401	25.0365	0.021	-0.4665	-0.678	1348.289	1
45005_5005	45005	5005	2.19	42.4365	-0.0555	-1.032	1.503	-1860.24	1
45005_5006	45005	5006	-1.779	36.774	0.036	1.1145	-0.4905	1570.766	1
45006_5006	45006	5006	2.1615	48.1845	0.054	1.905	0.885	-1907.91	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45006_5007	45006	5007	-2.01	33.0945	-0.0255	-1.278	-0.8865	1777.16	1
45007_5007	45007	5007	2.115	38.4075	0.0525	-1.746	1.6245	-2000.49	1
45007_5008	45007	5008	-2.136	43.398	-0.0315	2.1105	-1.4685	1835.061	1
45008_5008	45008	5008	2.0595	44.277	-0.0255	1.956	2.3055	-1969.4	1
45008_5009	45008	5009	-2.187	37.731	0.021	-1.4085	-1.4955	1929.269	1
45009_5009	45009	5009	2.0025	34.6065	-0.027	-1.6905	2.0205	-1991	1
45009_5010	45009	5010	-2.1885	47.7465	0.03	2.1795	-1.317	1892.18	1
45010_5010	45010	5010	1.9455	40.161	0.048	-0.051	1.761	-1896.86	1
45010_5011	45010	5011	-2.16	42.0345	-0.054	0.1605	-2.0745	1900.685	1
45011_5011	45011	5011	1.8855	30.6135	0.042	-0.0195	2.316	-1856.6	1
45011_5012	45011	5012	-2.1135	52.014	-0.054	0.1365	-2.856	1782.035	1
45012_5012	45012	5012	1.8165	35.439	-0.099	0.6825	2.754	-1701.35	1
45012_5013	45012	5013	-2.058	46.6185	0.123	-0.471	-1.4085	1708.917	1
45013_5013	45013	5013	1.7145	26.2155	-0.0975	-0.645	1.4685	-1615.88	1
45013_5014	45013	5014	-2.001	56.658	0.1275	0.924	0.0975	1512.483	1
45014_5014	45014	5014	1.527	26.76	0.1605	0.453	0.48	-1293.36	1
45014_5015	45014	5015	-1.947	52.332	-0.243	-0.258	-3.933	1142.261	1
45015_5015	45015	5015	1.2195	20.8125	0.1605	-0.7335	2.9925	-1375.19	1
45015_5016	45015	5016	-2.448	66.084	-0.207	0.975	-5.367	1195.613	1
45016_5016	45016	5016	0.606	22.815	-0.1065	0.6075	3.9825	-1084.33	1
45016_5017	45016	5017	-3.354	59.9295	0.0855	-0.312	-4.2285	828.234	1
45017_5017	45017	5017	0.2535	13.2735	-0.0975	-0.444	2.5485	-832.658	1
45017_5018	45017	5018	-5.2215	69.8955	0.0915	0.7365	-2.4855	382.2075	1
45018_5018	45018	5018	-0.057	9.7695	-0.0045	0.2445	1.4235	-539.777	1
45018_5019	45018	5019	-7.1055	73.194	-0.0315	0.111	-2.277	-2.0745	1
45019_5019	45019	5019	0.132	3.204	-0.0285	-0.189	1.2945	-223.452	1
45019_5020	45019	5020	-9.9705	84.2985	-0.033	0.417	-2.268	-535.094	1
45020_5020	45020	5020	-29.3055	76.3365	-0.144	0.231	3.6585	312.5415	1
45020_5021	45020	5021	74.2695	10.4535	0.246	-0.0735	-4.1895	430.296	1
45021_5021	45021	5021	-24.072	68.0025	-0.1215	0.2415	1.9155	-99.243	1
45021_5022	45021	5022	65.0385	15.879	0.219	-0.1425	-2.196	594.7215	1
45022_5022	45022	5022	-20.202	59.6535	-0.078	-0.216	0.7095	-318.23	1
45022_5023	45022	5023	57.4245	21.5595	0.1365	0.708	-0.9735	675.4575	1
45023_5023	45023	5023	-17.6115	59.205	-0.0285	-0.0075	-0.171	-475.164	1
45023_5024	45023	5024	49.1055	21.4215	0.0765	0.273	-0.2835	763.14	1
45024_5024	45024	5024	-16.245	50.592	-0.039	1.2345	-0.5595	-641.522	1
45024_5025	45024	5025	40.9725	27.654	0.1215	-1.1205	0.7995	817.5165	1
45025_5025	45025	5025	-16.0845	42.5805	0.012	-1.065	-0.996	-736.928	1
45025_5026	45025	5026	33.312	34.7835	0.0135	1.5405	0.837	819.246	1
45026_5026	45026	5026	-16.7265	48.8205	-0.0015	0.4155	-0.9675	-843.812	1
45026_5027	45026	5027	27.1065	31.359	0.057	-0.1095	1.188	919.443	1
45027_5027	45027	5027	-17.9835	42.555	0.0015	0.627	-0.9975	-900.537	1
45027_5028	45027	5028	23.301	36.693	0.0495	-0.3735	1.452	927.6495	1
45028_5028	45028	5028	-19.893	36.627	0.012	0.477	-0.978	-917.771	1
45028_5029	45028	5029	20.442	42.6225	0.0375	-0.288	1.563	906.876	1
45029_5029	45029	5029	-22.581	31.308	0.0555	-1.1055	-0.8685	-907.341	1
45029_5030	45029	5030	18.324	48.906	0	1.4925	1.4145	847.608	1
45030_5030	45030	5030	-27.0825	34.719	0.045	0.921	-0.4335	-804.062	1
45030_5031	45030	5031	16.8825	42.573	-0.0015	-0.552	1.266	738.4365	1
45031_5031	45031	5031	-32.7195	27.5895	0.0945	-0.2865	0.0375	-798.849	1
45031_5032	45031	5032	16.0245	50.6025	-0.033	0.4815	0.7125	639.3405	1
45032_5032	45032	5032	-38.6985	21.3735	0.111	-0.1695	1.0215	-741.725	1
45032_5033	45032	5033	16.3605	59.2395	-0.045	0.438	0.0075	469.6755	1
45033_5033	45033	5033	-44.832	21.4875	0.1515	0.201	2.1225	-651.297	1
45033_5034	45033	5034	17.826	59.6265	-0.087	0.0915	-1.0695	309.2235	1
45034_5034	45034	5034	-50.379	15.813	0.1725	0.261	3.615	-568.116	1
45034_5035	45034	5035	20.4375	68.0085	-0.102	0	-2.2815	87.5325	1
45035_5035	45035	5035	-57.075	10.41	0.237	-0.183	5.3955	-404.363	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45035_5036	45035	5036	24.171	76.362	-0.144	0.2505	-4.1985	-325.607	1
45036_5036	45036	5036	37.8795	80.835	0.0045	0.6225	3.5745	610.7385	1
45036_5037	45036	5037	7.1595	4.5885	-0.0135	-0.1455	2.55	225.9165	1
45037_5037	45037	5037	38.0325	69.6735	-0.0495	0.2205	4.6275	146.9685	1
45037_5038	45037	5038	-14.0925	10.659	0.006	0.624	-2.0895	471.6975	1
45038_5038	45038	5038	37.7625	66.2535	0.0225	0.9915	4.854	-162.792	1
45038_5039	45038	5039	-19.4925	14.223	-0.0645	-0.651	-3.1875	728.052	1
45039_5039	45039	5039	36.222	56.448	-0.0495	-0.429	5.8545	-529.148	1
45039_5040	45039	5040	-25.1625	23.7165	-0.0315	1.077	-3.8655	928.446	1
45040_5040	45040	5040	35.0535	62.349	-0.123	0.651	5.5005	-838.034	1
45040_5041	45040	5041	-29.64	21.7245	0.102	-0.516	-3.549	1165.959	1
45041_5041	45041	5041	33.1965	48.2655	-0.129	-0.087	4.671	-741.024	1
45041_5042	45041	5042	-32.013	27.783	0.1305	0.324	-1.683	1027.176	1
45042_5042	45042	5042	31.9455	52.6305	0.027	0.0375	2.7915	-1044.2	1
45042_5043	45042	5043	-34.3245	26.1735	-0.045	0.03	-2.5965	1251.453	1
45043_5043	45043	5043	30.792	41.736	0.024	0.0645	3.198	-1208.85	1
45043_5044	45043	5044	-34.77	35.9985	-0.0525	0.012	-3.357	1265.265	1
45044_5044	45044	5044	29.8995	46.7925	-0.003	-0.063	3.264	-1253.68	1
45044_5045	45044	5045	-34.2045	30.762	0.0285	0.117	-3.213	1350.126	1
45045_5045	45045	5045	29.3025	36.0165	0.0075	0.075	3.1275	-1346.88	1
45045_5046	45045	5046	-33.1995	41.1825	0.015	-0.012	-3.078	1320.987	1
45046_5046	45046	5046	28.92	41.331	-0.0045	1.4415	3.0525	-1322.02	1
45046_5047	45046	5047	-31.9815	35.7255	0.0165	-1.017	-3.027	1349.063	1
45047_5047	45047	5047	28.557	30.867	-0.042	-1.0785	2.886	-1352.84	1
45047_5048	45047	5048	-30.837	46.53	0.0615	1.506	-2.328	1260.288	1
45048_5048	45048	5048	28.002	35.985	-0.0495	1.377	2.295	-1267.28	1
45048_5049	45048	5049	-29.943	41.292	0.0165	-0.93	-2.175	1220.268	1
45049_5049	45049	5049	26.7795	26.0955	-0.09	-1.071	1.608	-1252.67	1
45049_5050	45049	5050	-29.349	52.2645	0.075	1.491	-1.1895	1058.916	1
45050_5050	45050	5050	24.036	27.6405	0.0525	0.6945	0.4065	-1028.37	1
45050_5051	45050	5051	-28.9845	47.7705	-0.102	-0.2835	-2.5485	760.9245	1
45051_5051	45051	5051	21.7905	21.4575	0.0135	-1.0845	1.164	-1158.02	1
45051_5052	45051	5052	-29.043	62.1555	-0.0585	1.3275	-2.6445	840.705	1
45052_5052	45052	5052	17.7825	23.799	0.0315	1.134	0.903	-925.964	1
45052_5053	45052	5053	-29.436	55.9755	-0.0375	-0.4395	-2.7375	531.15	1
45053_5053	45053	5053	13.0155	14.118	-0.0165	-0.744	1.3365	-739.13	1
45053_5054	45053	5054	-30.2175	66.039	-0.0075	1.0905	-2.235	167.316	1
45054_5054	45054	5054	8.748	10.461	-0.0135	0.4335	0.999	-488.571	1
45054_5055	45054	5055	-29.9955	69.561	0.003	0.2025	-1.8195	-146.523	1
45055_5055	45055	5055	5.5125	3.591	-0.0345	-0.2175	0.846	-201.83	1
45055_5056	45055	5056	-29.9535	81.0615	0.03	0.453	-0.9705	-614.21	1
45056_5056	45056	5056	-27.9105	75.4005	-0.0885	0.144	2.346	232.065	1
45056_5057	45056	5057	62.8365	10.386	0.141	0.027	-2.6355	421.899	1
45057_5057	45057	5057	-23.8635	66.984	-0.093	0.3255	1.281	-174.824	1
45057_5058	45057	5058	55.824	16.062	0.1485	-0.306	-1.245	591.456	1
45058_5058	45058	5058	-20.91	58.6155	-0.0555	-0.3315	0.3945	-390.518	1
45058_5059	45058	5059	50.0325	21.9375	0.0735	0.693	-0.5865	684.789	1
45059_5059	45059	5059	-19.0125	58.6245	-0.075	1.629	-0.18	-541.719	1
45059_5060	45059	5060	43.5	21.8115	0.1575	-1.188	0.762	782.1735	1
45060_5060	45060	5060	-18.1395	50.0895	-0.0225	-0.546	-0.8715	-704.289	1
45060_5061	45060	5061	37.095	28.1385	0.0495	0.918	1.1115	843.927	1
45061_5061	45061	5061	-18.303	42.1755	-0.0135	-0.333	-1.086	-795.528	1
45061_5062	45061	5062	31.0455	35.3535	0.0465	0.828	1.4355	851.373	1
45062_5062	45062	5062	-19.0995	48.795	-0.003	0.9345	-1.191	-898.203	1
45062_5063	45062	5063	26.211	31.7025	0.036	-0.5325	1.5795	957.6045	1
45063_5063	45063	5063	-20.4495	42.579	-0.003	1.1235	-1.2	-953.609	1
45063_5064	45063	5064	23.265	37.026	0.033	-0.8325	1.6965	968.925	1
45064_5064	45064	5064	-22.4055	36.6915	0.0375	-0.8025	-1.212	-969.338	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45064_5065	45064	5065	21.09	42.924	-0.0105	1.092	1.5195	950.604	1
45065_5065	45065	5065	-25.1175	31.3935	0.0435	-0.615	-0.951	-956.858	1
45065_5066	45065	5066	19.5225	49.164	-0.0135	1.0305	1.3245	893.463	1
45066_5066	45066	5066	-29.625	35.0565	0.045	0.456	-0.6285	-850.001	1
45066_5067	45066	5067	18.5205	42.45	-0.0135	-0.1395	1.0965	788.8995	1
45067_5067	45067	5067	-35.319	27.876	0.0495	0.516	-0.186	-841.763	1
45067_5068	45067	5068	18.081	50.382	-0.021	-0.261	0.7455	695.376	1
45068_5068	45068	5068	-41.3565	21.5955	0.1095	-0.63	0.312	-780.263	1
45068_5069	45068	5069	18.678	58.9305	-0.051	0.9195	0.1035	530.5725	1
45069_5069	45069	5069	-47.5245	21.7905	0.0765	0.939	1.3455	-684.276	1
45069_5070	45069	5070	20.286	58.8045	-0.0435	-0.3135	-0.501	378.249	1
45070_5070	45070	5070	-52.986	15.963	0.1575	-0.0735	2.148	-593.627	1
45070_5071	45070	5071	22.947	67.1835	-0.084	0.2805	-1.4385	161.055	1
45071_5071	45071	5071	-59.625	10.38	0.2085	-0.261	3.7185	-428.823	1
45071_5072	45071	5072	26.688	75.6165	-0.1095	0.4575	-2.841	-247.64	1
45072_5072	45072	5072	31.9365	80.3565	-0.0075	0.519	3.201	563.3325	1
45072_5073	45072	5073	6.1845	3.9405	0.0045	-0.063	1.224	177.1575	1
45073_5073	45073	5073	31.341	68.877	-0.0375	0.1395	3.6645	82.2795	1
45073_5074	45073	5074	-10.6965	10.5825	0.0375	0.444	-1.674	485.2335	1
45074_5074	45074	5074	30.5175	65.427	-0.0525	1.23	3.708	-243.275	1
45074_5075	45074	5075	-15.198	14.2395	-0.009	-0.7995	-2.0595	742.2465	1
45075_5075	45075	5075	28.599	55.4385	-0.0855	-0.636	3.744	-619.203	1
45075_5076	45075	5076	-20.022	24.081	0.063	1.3365	-1.314	935.5965	1
45076_5076	45076	5076	27.2685	61.7535	-0.0165	1.2195	3.0975	-939.429	1
45076_5077	45076	5077	-23.769	21.7245	-0.039	-0.9375	-1.8795	1178.642	1
45077_5077	45077	5077	25.488	48.732	-0.0945	-0.3585	3.444	-924.957	1
45077_5078	45077	5078	-25.575	28.0305	-0.021	0.6765	-2.2245	1108.44	1
45078_5078	45078	5078	24.5535	53.337	0.0525	1.5915	2.0265	-1192.63	1
45078_5079	45078	5079	-27.084	26.211	-0.0315	-1.143	-2.5935	1333.517	1
45079_5079	45079	5079	23.814	43.254	0.0105	-1.194	2.61	-1354.16	1
45079_5080	45079	5080	-27.294	35.505	0.0135	1.6185	-2.5215	1372.545	1
45080_5080	45080	5080	23.349	48.783	-0.006	1.785	2.709	-1406.88	1
45080_5081	45080	5081	-26.6565	30.288	-0.0015	-1.317	-2.622	1479.584	1
45081_5081	45081	5081	23.187	38.778	-0.045	-1.287	2.598	-1508.79	1
45081_5082	45081	5082	-25.719	39.99	0.045	1.713	-2.1645	1484.046	1
45082_5082	45082	5082	23.3535	43.9875	0.0135	0.0435	2.019	-1476.01	1
45082_5083	45082	5083	-24.7605	34.0215	-0.003	0.0375	-2.2215	1519.85	1
45083_5083	45083	5083	23.8125	33.435	0.0135	-0.0015	2.1285	-1523.07	1
45083_5084	45083	5084	-23.916	44.625	-0.006	0.0915	-2.304	1465.886	1
45084_5084	45084	5084	24.39	39.342	0.0045	1.665	2.2035	-1483.46	1
45084_5085	45084	5085	-23.376	39.351	0.0045	-1.239	-2.2965	1493.895	1
45085_5085	45085	5085	24.936	29.712	-0.036	-1.35	2.187	-1475.39	1
45085_5086	45085	5086	-23.1945	49.413	0.045	1.815	-1.8135	1385.562	1
45086_5086	45086	5086	25.2165	35.025	-0.042	1.59	1.7505	-1367.6	1
45086_5087	45086	5087	-23.313	43.7205	0.048	-1.1535	-1.2825	1328.186	1
45087_5087	45087	5087	24.7965	25.7625	-0.0825	-1.2075	1.2645	-1326.63	1
45087_5088	45087	5088	-23.6955	53.8545	0.093	1.656	-0.2235	1161.588	1
45088_5088	45088	5088	23.2485	28.1355	0.045	0.693	0.399	-1118.64	1
45088_5089	45088	5089	-24.2595	49.1055	-0.129	-0.3555	-1.9905	917.691	1
45089_5089	45089	5089	21.474	21.7875	0.021	-0.9825	1.0245	-1182.51	1
45089_5090	45089	5090	-25.512	61.6095	-0.0675	1.2525	-2.205	928.8915	1
45090_5090	45090	5090	17.9475	23.913	0.0165	1.3095	1.0665	-938.16	1
45090_5091	45090	5091	-26.6025	55.287	-0.033	-0.6135	-2.3415	614.6145	1
45091_5091	45091	5091	13.527	13.998	-0.03	-0.768	1.3995	-736.872	1
45091_5092	45091	5092	-28.2945	65.3985	0.009	1.1805	-1.644	236.679	1
45092_5092	45092	5092	9.3915	10.473	0.0045	0.207	1.122	-478.37	1
45092_5093	45092	5093	-28.989	68.6385	-0.021	0.12	-1.668	-83.793	1
45093_5093	45093	5093	-4.9035	4.0605	0.003	-0.015	0.2625	-185.607	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45093_5094	45093	5094	-29.6595	80.292	-0.012	0.3075	-1.5645	-565.67	1
45094_5094	45094	5094	-26.5635	74.913	-0.063	0.363	1.77	238.791	1
45094_5095	45094	5095	59.97	10.3035	0.138	-0.1875	-2.0535	418.0575	1
45095_5095	45095	5095	-22.7235	66.318	-0.039	0.246	0.96	-166.925	1
45095_5096	45095	5096	53.256	15.975	0.102	-0.084	-1.131	580.884	1
45096_5096	45096	5096	-19.9395	57.8175	-0.003	-0.309	0.5115	-380.796	1
45096_5097	45096	5097	47.7435	21.9255	0.0315	0.834	-0.8325	671.172	1
45097_5097	45097	5097	-18.171	58.2465	-0.0225	0.3735	0.39	-528.089	1
45097_5098	45097	5098	41.502	21.588	0.0465	-0.1725	-0.4185	767.3325	1
45098_5098	45098	5098	-17.364	49.6155	-0.0165	0.4245	0.1035	-689.205	1
45098_5099	45098	5099	35.37	27.969	0.0405	-0.276	-0.0885	827.598	1
45099_5099	45099	5099	-17.5425	41.655	0.009	-0.63	-0.1155	-779.085	1
45099_5100	45099	5100	29.5695	35.2875	-0.0015	0.954	-0.1305	833.664	1
45100_5100	45100	5100	-18.3165	48.8025	0.0435	-1.8555	-0.0915	-879.05	1
45100_5101	45100	5101	24.972	31.248	-0.0135	1.1655	-0.2025	939.984	1
45101_5101	45101	5101	-19.623	42.504	0.084	-3.8775	0.159	-935.676	1
45101_5102	45101	5102	22.1745	36.6015	-0.051	3.417	-0.498	951.885	1
45102_5102	45102	5102	-21.519	36.5475	-0.0465	3.3825	0.747	-952.922	1
45102_5103	45102	5103	20.118	42.5595	0.0825	-3.8355	0.0195	934.4595	1
45103_5103	45103	5103	-24.15	31.2075	-0.0105	1.188	0.5415	-941.364	1
45103_5104	45103	5104	18.648	48.8625	0.042	-1.8735	0.192	878.2305	1
45104_5104	45104	5104	-28.539	35.226	-0.0015	0.957	0.561	-834.492	1
45104_5105	45104	5105	17.712	41.655	0.015	-0.633	0.198	777.72	1
45105_5105	45105	5105	-34.1205	27.912	0.0405	-0.27	0.6075	-828.951	1
45105_5106	45105	5106	17.316	49.6365	-0.012	0.4185	-0.0795	688.857	1
45106_5106	45106	5106	-40.0455	21.528	0.0495	-0.198	1.038	-768.203	1
45106_5107	45106	5107	17.904	58.266	-0.0195	0.402	-0.441	527.4615	1
45107_5107	45107	5107	-46.1085	21.867	0.0585	0.2295	1.569	-671.54	1
45107_5108	45107	5108	19.4655	57.7545	-0.024	0.0495	-0.846	380.2245	1
45108_5108	45108	5108	-51.4245	15.9045	0.0645	0.3165	2.181	-581.379	1
45108_5109	45108	5109	22.044	66.2835	-0.0315	-0.0675	-1.3275	167.709	1
45109_5109	45109	5109	-57.927	10.212	0.129	-0.2235	2.8755	-416.822	1
45109_5110	45109	5110	25.6695	74.8875	-0.0675	0.306	-2.277	-239.339	1
45110_5110	45110	5110	30.3375	79.4505	-0.0225	0.4815	2.7405	549.5205	1
45110_5111	45110	5111	-6.372	3.582	-0.0015	-0.2115	-1.6845	196.1955	1
45111_5111	45111	5111	29.829	67.5855	-0.051	0.1185	2.9685	81.408	1
45111_5112	45111	5112	-9.678	10.725	0.0285	0.45	-1.428	484.1415	1
45112_5112	45112	5112	29.259	64.2435	0.0225	0.744	2.8845	-220.842	1
45112_5113	45112	5113	-13.932	14.2965	-0.0465	-0.48	-2.076	735.9165	1
45113_5113	45113	5113	27.654	53.943	-0.012	-0.357	3.6315	-577.685	1
45113_5114	45113	5114	-18.516	24.3765	-0.024	0.8205	-2.511	925.6155	1
45114_5114	45114	5114	26.6175	60.3255	-0.1635	0.303	3.6585	-871.871	1
45114_5115	45114	5115	-22.2	22.1415	0.1125	-0.2115	-1.9125	1157.391	1
45115_5115	45115	5115	25.329	47.0805	-0.177	-0.0195	2.436	-826.514	1
45115_5116	45115	5116	-24.0975	28.59	0.1275	0.138	-0.147	1059.021	1
45116_5116	45116	5116	24.699	52.164	0.1185	0.765	-0.069	-1070.27	1
45116_5117	45116	5117	-25.8225	26.088	-0.102	-0.543	-1.2225	1259.126	1
45117_5117	45117	5117	24.243	41.7225	0.093	-0.504	1.2795	-1220.99	1
45117_5118	45117	5118	-26.2815	35.5995	-0.09	0.753	-2.2395	1277.522	1
45118_5118	45118	5118	24.066	47.607	-0.0735	0.798	2.1975	-1261.73	1
45118_5119	45118	5119	-26.0175	29.8995	0.0705	-0.555	-1.542	1365.894	1
45119_5119	45119	5119	24.216	37.2285	-0.087	-0.5955	1.293	-1355.7	1
45119_5120	45119	5120	-25.4655	39.813	0.096	0.846	-0.45	1351.643	1
45120_5120	45120	5120	24.7635	42.786	0.054	2.271	0.3405	-1312.83	1
45120_5121	45120	5121	-24.831	33.4995	-0.0615	-1.674	-1.128	1373.984	1
45121_5121	45121	5121	25.662	31.872	-0.015	-1.668	0.9555	-1353.84	1
45121_5122	45121	5122	-24.294	44.424	-0.0015	2.304	-1.128	1305.924	1
45122_5122	45122	5122	26.7045	38.1825	-0.0045	0.762	0.6195	-1303.82	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45122_5123	45122	5123	-24.0615	38.817	0.0285	-0.522	-0.777	1322.496	1
45123_5123	45123	5123	27.7485	28.203	-0.0195	-0.5745	0.4965	-1291.25	1
45123_5124	45123	5124	-24.1875	49.1895	0.0465	0.84	-0.228	1203.261	1
45124_5124	45124	5124	28.485	33.8085	0.0015	1.3695	0.306	-1177.37	1
45124_5125	45124	5125	-24.6555	43.2615	-0.0075	-0.9495	-0.3255	1137.581	1
45125_5125	45125	5125	28.3635	24.3015	-0.057	-1.02	0.2775	-1136.29	1
45125_5126	45125	5126	-25.437	53.715	0.039	1.4505	0.1245	961.617	1
45126_5126	45126	5126	27.0135	27.0975	-0.003	0.612	-0.5115	-933.521	1
45126_5127	45126	5127	-26.457	48.7425	-0.045	-0.2775	-0.4665	712.833	1
45127_5127	45127	5127	25.2585	20.6385	-0.012	-0.7725	-0.4845	-992.357	1
45127_5128	45127	5128	-28.3125	61.6065	0.018	0.996	0.045	706.6245	1
45128_5128	45128	5128	21.54	23.181	-0.024	1.092	-0.4845	-764.19	1
45128_5129	45128	5129	-29.7315	55.0515	-0.0315	-0.357	-0.0795	388.9845	1
45129_5129	45129	5129	16.6725	13.14	-0.1125	-0.6105	-0.507	-587.493	1
45129_5130	45129	5130	-31.806	65.2635	0.012	0.9375	0.6225	17.0985	1
45130_5130	45130	5130	11.934	11.2035	0.2085	0.2325	-2.0655	-343.263	1
45130_5131	45130	5131	-32.664	67.47	-0.123	0.114	-0.5295	-284.666	1
45131_5131	45131	5131	-6.549	4.4535	0.045	-0.0855	0.972	-268.931	1
45131_5132	45131	5132	-33.33	79.0905	-0.1365	0.114	-2.2095	-739.562	1
45132_5132	45132	5132	-28.4625	74.517	0.03	-1.9395	0.7665	323.088	1
45132_5133	45132	5133	66.5775	9.48	-0.177	0.882	-1.932	338.5215	1
45133_5133	45133	5133	-23.748	65.6895	0.081	-2.5485	0.735	-88.602	1
45133_5134	45133	5134	58.995	15.3045	-0.2295	2.469	-3.4515	510.375	1
45134_5134	45134	5134	-20.16	56.9055	-0.2205	2.733	1.1415	-305.264	1
45134_5135	45134	5135	52.6995	21.4485	0.447	-6.357	0.3915	595.5225	1
45135_5135	45135	5135	-17.583	58.0335	0.063	0.3645	-0.6165	-457.188	1
45135_5136	45135	5136	45.6195	20.2125	-0.072	-0.408	0.066	697.29	1
45136_5136	45136	5136	-16.0245	49.0305	0.0795	-0.714	-0.1275	-626.591	1
45136_5137	45136	5137	38.6565	26.7765	-0.126	0.681	-0.8595	761.5245	1
45137_5137	45137	5137	-15.483	40.7535	0.0525	0.4095	0.4845	-721.286	1
45137_5138	45137	5138	31.965	34.3155	-0.0735	-0.5685	-1.401	768.531	1
45138_5138	45138	5138	-15.738	48.3105	-0.0375	0.9315	0.867	-821.162	1
45138_5139	45138	5139	26.4615	30.045	0.066	-0.744	-0.9315	874.512	1
45139_5139	45139	5139	-16.5555	41.7525	-0.0075	-0.8655	0.594	-881.909	1
45139_5140	45139	5140	23.0295	35.55	0.0225	0.9075	-0.765	888.7065	1
45140_5140	45140	5140	-17.9925	35.571	-0.033	0.9375	0.5385	-901.265	1
45140_5141	45140	5141	20.3565	41.7135	0.054	-0.8775	-0.393	872.5695	1
45141_5141	45141	5141	-20.2185	30.045	0	-0.7395	0.3225	-890.082	1
45141_5142	45141	5142	18.2955	48.2595	0.018	0.906	-0.2895	815.364	1
45142_5142	45142	5142	-24.1275	34.4055	0.009	0.039	0.3735	-786.347	1
45142_5143	45142	5143	16.7805	40.7235	-0.003	-0.0225	-0.2985	718.347	1
45143_5143	45143	5143	-29.28	26.8455	0.0045	0.0375	0.465	-782.804	1
45143_5144	45143	5144	15.645	48.99	-0.0045	-0.0285	-0.3435	628.7085	1
45144_5144	45144	5144	-34.776	20.256	0	0.036	0.489	-721.337	1
45144_5145	45144	5145	15.528	57.9705	-0.006	-0.036	-0.414	464.307	1
45145_5145	45145	5145	-40.4745	20.5635	-0.021	-0.219	0.4455	-622.122	1
45145_5146	45145	5146	16.443	57.789	0.0345	-0.0555	-0.1965	310.728	1
45146_5146	45146	5146	-45.453	14.439	-0.018	-0.2745	0.294	-529.604	1
45146_5147	45146	5147	18.444	66.597	0.036	0.039	0.0465	90.8115	1
45147_5147	45147	5147	-51.504	8.628	-0.063	0.2985	0.2985	-355.545	1
45147_5148	45147	5148	21.5835	75.45	0.0675	-0.3105	0.6735	-325.824	1
45148_5148	45148	5148	45.33	78.369	0.0195	0.141	-0.1815	634.569	1
45148_5149	45148	5149	-12.4815	3.9225	-0.0255	-0.066	0.1785	152.013	1
45149_5149	45149	5149	46.758	66.669	-0.0135	0.063	0.3225	190.2045	1
45149_5150	45149	5150	-18.075	10.9575	-0.0105	0.2115	0.078	422.2545	1
45150_5150	45150	5150	47.895	63.198	0	0.1365	0.153	-93.18	1
45150_5151	45150	5151	-24.6645	14.6805	0.0015	-0.105	-0.021	654.8865	1
45151_5151	45151	5151	47.487	53.199	-0.006	-0.048	0.237	-423.071	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45151_5152	45151	5152	-31.7445	24.5535	0.006	0.1185	0.0975	815.238	1
45152_5152	45152	5152	47.1435	59.2365	-0.003	0.0165	0.243	-710.289	1
45152_5153	45152	5153	-37.4475	22.326	-0.0075	-0.0165	-0.0105	1025.672	1
45153_5153	45153	5153	46.7775	46.224	-0.0045	0.0165	0.273	-671.243	1
45153_5154	45153	5154	-40.6275	28.779	-0.0075	-0.0285	-0.132	921.6195	1
45154_5154	45154	5154	46.6815	50.334	0.0015	0.0315	0.222	-892.29	1
45154_5155	45154	5155	-44.166	26.526	-0.0045	-0.03	-0.2025	1087.604	1
45155_5155	45155	5155	46.6455	39.7035	0.003	0.0225	0.261	-1024.41	1
45155_5156	45155	5156	-45.8505	36.138	-0.0045	-0.036	-0.267	1085.706	1
45156_5156	45156	5156	46.7505	45.0495	0.024	0.033	0.294	-1083.05	1
45156_5157	45156	5157	-46.5465	31.6455	-0.018	-0.039	-0.4515	1171.29	1
45157_5157	45157	5157	46.959	35.5035	0.027	0.042	0.5445	-1150.71	1
45157_5158	45157	5158	-46.7625	40.9215	-0.0225	-0.0615	-0.7125	1137.606	1
45158_5158	45158	5158	47.1525	40.914	-0.0315	-0.759	0.7275	-1130.31	1
45158_5159	45158	5159	-46.716	35.6505	0.048	0.5715	-0.312	1153.251	1
45159_5159	45159	5159	47.094	31.6245	0.021	0.5895	0.4185	-1162.14	1
45159_5160	45159	5160	-46.644	45.1515	-0.0015	-0.7785	-0.3435	1082.991	1
45160_5160	45160	5160	46.578	36.1605	-0.0285	0.0315	0.6555	-1073.5	1
45160_5161	45160	5161	-46.671	40.035	-0.0015	-0.0345	-0.4215	1019.135	1
45161_5161	45161	5161	45.0675	26.547	-0.0315	0.0195	0.327	-1072.69	1
45161_5162	45161	5162	-46.8525	50.5665	0.0045	-0.039	-0.351	883.473	1
45162_5162	45162	5162	41.712	28.6275	0.1035	0.3885	0.012	-902.742	1
45162_5163	45162	5163	-47.0985	46.7325	-0.048	-0.2265	-0.8865	655.476	1
45163_5163	45163	5163	38.6145	22.203	0.0705	-0.4425	1.413	-1000.55	1
45163_5164	45163	5164	-47.673	59.6205	-0.0345	0.4995	-1.3305	689.571	1
45164_5164	45164	5164	32.9895	24.183	-0.075	-0.5985	1.9695	-785.585	1
45164_5165	45164	5165	-48.1575	54.009	0.0495	0.234	-1.032	393.3195	1
45165_5165	45165	5165	25.908	14.4525	-0.024	0.309	0.7995	-618.104	1
45165_5166	45165	5166	-48.7515	63.918	0.015	-0.4395	-1.11	51.1815	1
45166_5166	45166	5166	19.233	10.7115	0.0225	0.1965	0.288	-384.144	1
45166_5167	45166	5167	-47.8575	67.8345	-0.015	0.0825	-1.083	-245.886	1
45167_5167	45167	5167	13.437	3.8385	0.009	-0.072	0.555	-114.543	1
45167_5168	45167	5168	-46.5495	79.311	0.0135	0.1305	-0.7185	-698.922	1
45168_5168	45168	5168	-24.279	76.539	-0.0105	0.078	0.2565	341.0115	1
45168_5169	45168	5169	55.845	8.895	0.042	-0.1665	-0.6075	356.4735	1
45169_5169	45169	5169	-20.793	67.9305	0.0285	-0.2895	0.045	-84.399	1
45169_5170	45169	5170	49.581	14.514	-0.021	0.501	-0.7035	533.523	1
45170_5170	45170	5170	-18.4545	59.316	0.0075	0.3345	0.2325	-311.759	1
45170_5171	45170	5171	44.379	20.4075	0.024	-0.4605	-0.4545	628.6245	1
45171_5171	45171	5171	-17.253	59.046	0.012	-0.7785	0.162	-475.226	1
45171_5172	45171	5172	38.415	20.334	-0.0225	0.612	-0.6555	729.8595	1
45172_5172	45172	5172	-17.0955	50.205	-0.0075	0.2805	0.177	-646.968	1
45172_5173	45172	5173	32.592	26.7405	0.018	-0.4275	-0.4005	795.549	1
45173_5173	45173	5173	-18.0045	42.006	-0.006	0.1815	0.0465	-745.037	1
45173_5174	45173	5174	27.0825	34.0905	0.012	-0.39	-0.264	806.4525	1
45174_5174	45174	5174	-19.374	48.7155	0.0225	-0.9285	-0.108	-850.413	1
45174_5175	45174	5175	22.803	30.465	-0.0135	0.7545	-0.3345	913.8945	1
45175_5175	45175	5175	-21.318	42.279	-0.0105	0.9165	-0.0015	-908.613	1
45175_5176	45175	5176	20.307	35.9085	0.018	-0.9675	-0.1425	927.528	1
45176_5176	45176	5176	-23.8815	36.198	0.0285	-0.936	-0.114	-926.235	1
45176_5177	45176	5177	18.609	41.9745	-0.015	0.879	-0.2205	911.4435	1
45177_5177	45177	5177	-27.216	30.735	-0.0105	0.78	0.0405	-913.919	1
45177_5178	45177	5178	17.55	48.3975	0.0165	-0.9705	-0.0735	854.895	1
45178_5178	45178	5178	-32.5725	34.3605	-0.0045	0.411	-0.072	-807.242	1
45178_5179	45178	5179	17.0685	41.8935	0.012	-0.207	0.015	750.003	1
45179_5179	45179	5179	-39.1035	27.018	-0.0045	0.447	-0.1515	-797.819	1
45179_5180	45179	5180	17.3595	50.061	0.0105	-0.3105	0.1185	652.9005	1
45180_5180	45180	5180	-45.9	20.6055	0.051	-0.597	-0.267	-733.545	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45180_5181	45180	5181	18.7125	58.8675	-0.012	0.756	0.0285	482.6085	1
45181_5181	45181	5181	-52.7835	20.625	-0.018	0.489	0.228	-633.39	1
45181_5182	45181	5182	21.1095	59.3475	-0.006	-0.369	-0.006	319.0065	1
45182_5182	45182	5182	-58.83	14.7495	0.0435	-0.489	0.0885	-538.827	1
45182_5183	45182	5183	24.564	67.914	-0.0345	0.273	-0.315	91.473	1
45183_5183	45183	5183	-66.021	9.135	-0.0315	0.1965	0.453	-363.119	1
45183_5184	45183	5184	29.1285	76.4775	0.006	-0.1125	-0.255	-332.015	1
45184_5184	45184	5184	38.55	81.657	0.0045	-0.09	-0.255	747.849	1
45184_5185	45184	5185	7.983	4.209	0.009	0.135	-0.7845	215.2185	1
45185_5185	45185	5185	39.0795	70.389	0.0225	-0.072	-0.3825	264.6345	1
45185_5186	45185	5186	-14.1285	9.942	-0.0225	-0.2265	-0.1305	377.7495	1
45186_5186	45186	5186	39.318	66.2205	0.0465	-0.168	-0.174	-69.768	1
45186_5187	45186	5187	-19.68	13.737	-0.0195	0.1095	-0.318	625.386	1
45187_5187	45187	5187	38.2635	56.28	0.0645	0.1515	0.3255	-450.588	1
45187_5188	45187	5188	-25.6695	23.2455	-0.0375	-0.315	-0.9255	816.078	1
45188_5188	45188	5188	37.533	61.251	0.0345	0.1125	1.0455	-777.519	1
45188_5189	45188	5189	-30.4305	21.783	-0.006	-0.1005	-1.0545	1050.206	1
45189_5189	45189	5189	36.7005	48.5295	0.045	0.072	1.374	-754.16	1
45189_5190	45189	5190	-33.012	28.0845	-0.0075	-0.0825	-1.2645	969.2085	1
45190_5190	45190	5190	36.321	51.78	0.0375	0.12	2.112	-1002.51	1
45190_5191	45190	5191	-35.673	26.7855	-0.039	-0.114	-1.9065	1161.761	1
45191_5191	45191	5191	36.054	41.523	0.0375	0.1095	2.6025	-1144.52	1
45191_5192	45191	5192	-36.7515	36.132	-0.039	-0.1245	-2.5095	1180.965	1
45192_5192	45192	5192	35.982	46.1295	0.0135	0.153	3.0615	-1214.5	1
45192_5193	45192	5193	-36.966	32.4405	0.006	-0.1605	-2.595	1280.199	1
45193_5193	45193	5193	36.0285	36.924	0.018	0.12	3.255	-1283.93	1
45193_5194	45193	5194	-36.822	41.4465	0.003	-0.153	-2.739	1257.795	1
45194_5194	45194	5194	36.0735	41.6205	0.0585	0.1185	3.507	-1267.99	1
45194_5195	45194	5195	-36.4875	36.927	-0.036	-0.1365	-3.3	1277.57	1
45195_5195	45195	5195	35.886	32.718	0.0615	0.1005	4.1475	-1297.73	1
45195_5196	45195	5196	-36.1815	46.137	-0.042	-0.1455	-3.954	1211.061	1
45196_5196	45196	5196	35.3025	36.54	0.0285	0.0825	4.776	-1209.21	1
45196_5197	45196	5197	-36.0135	41.8005	-0.039	-0.1005	-4.65	1142.024	1
45197_5197	45197	5197	33.918	27.3735	0.027	0.063	4.9905	-1202.09	1
45197_5198	45197	5198	-36.009	51.9825	-0.0375	-0.1095	-5.2755	1003.16	1
45198_5198	45198	5198	31.0185	28.7925	0.051	0.042	5.028	-1025.5	1
45198_5199	45198	5199	-36.0885	49.0065	-0.0375	-0.0585	-5.925	757.2705	1
45199_5199	45199	5199	28.4055	22.6305	0.048	-0.0165	5.4735	-1122	1
45199_5200	45199	5200	-36.4695	61.4715	-0.0435	-0.018	-6.4275	798.069	1
45200_5200	45200	5200	23.811	23.658	0.009	-0.108	5.4165	-895.676	1
45200_5201	45200	5201	-36.927	57.225	-0.003	0.018	-6.525	474.669	1
45201_5201	45201	5201	18.219	14.4255	0.0075	0.0015	4.794	-706.161	1
45201_5202	45201	5202	-37.6215	66.96	-0.0105	-0.024	-6.648	106.0635	1
45202_5202	45202	5202	13.116	10.602	0.03	-0.3015	4.2615	-456.26	1
45202_5203	45202	5203	-37.1265	71.5005	-0.0195	-0.006	-6.6435	-215.898	1
45203_5203	45203	5203	8.9055	4.0695	0.0405	-0.096	3.732	-169.814	1
45203_5204	45203	5204	-36.4875	82.3935	-0.0375	0.09	-6.9015	-683.96	1
45204_5204	45204	5204	-31.5645	77.484	-0.096	-0.138	5.508	284.9685	1
45204_5205	45204	5205	66.9405	10.881	0.147	0.2565	-8.553	430.2615	1
45205_5205	45205	5205	-27.321	69.5505	-0.126	0.279	3.8565	-136.89	1
45205_5206	45205	5206	59.9745	16.206	0.198	-0.4995	-6.321	610.6335	1
45206_5206	45206	5206	-24.225	61.557	-0.078	-0.4335	2.19	-364.121	1
45206_5207	45206	5207	54.1065	21.6555	0.1245	0.5655	-4.83	702.5445	1
45207_5207	45207	5207	-22.2705	60.546	-0.024	-0.0015	0.972	-532.856	1
45207_5208	45207	5208	47.496	21.915	0.102	0.0615	-3.4665	798.2535	1
45208_5208	45208	5208	-21.4245	52.23	-0.0135	0	0.261	-706.466	1
45208_5209	45208	5209	41.0025	27.915	0.09	0.042	-2.349	861.6195	1
45209_5209	45209	5209	-21.7155	44.421	-0.0015	0.0045	-0.279	-811.994	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45209_5210	45209	5210	34.806	34.749	0.0765	0.0285	-1.4205	875.991	1
45210_5210	45210	5210	-22.668	49.5495	0.0375	-0.9855	-0.615	-930.003	1
45210_5211	45210	5211	29.769	32.2515	0.0435	0.8865	-0.9405	983.874	1
45211_5211	45211	5211	-24.222	43.497	0.0075	1.0035	-0.57	-987.027	1
45211_5212	45211	5212	26.6925	37.4325	0.078	-0.9765	-0.285	996.1815	1
45212_5212	45212	5212	-26.418	37.7535	0.0585	-0.9765	-0.696	-1006.49	1
45212_5213	45212	5213	24.414	43.161	0.0255	0.9855	-0.051	981.2835	1
45213_5213	45213	5213	-29.3865	32.5515	0.0255	0.9015	-0.393	-998.493	1
45213_5214	45213	5214	22.7895	49.2015	0.054	-1.0005	0.339	928.9695	1
45214_5214	45214	5214	-34.251	35.0325	0.015	0.6975	-0.264	-895.413	1
45214_5215	45214	5215	21.777	44.2245	-0.0345	-0.4545	-0.009	815.2365	1
45215_5215	45215	5215	-40.2345	28.1925	0.0705	-0.684	-0.1755	-886.208	1
45215_5216	45215	5216	21.411	52.0095	-0.066	0.7755	-0.627	715.1145	1
45216_5216	45216	5216	-46.4865	22.173	0.033	0.576	0.546	-827.556	1
45216_5217	45216	5217	22.179	60.3015	-0.0405	-0.4335	-1.002	547.185	1
45217_5217	45217	5217	-52.818	21.8115	0.0165	2.3355	1.0065	-736.079	1
45217_5218	45217	5218	24.03	61.4985	0.156	-0.1785	0.1995	383.2725	1
45218_5218	45218	5218	-58.3965	16.3575	0.1155	1.539	1.269	-646.784	1
45218_5219	45218	5219	27.009	69.459	0.0585	-0.1155	0.369	159.8385	1
45219_5219	45219	5219	-64.9605	11.01	0.4755	-1.86	2.097	-473.451	1
45219_5220	45219	5220	31.1025	77.367	-0.213	2.052	-2.511	-255.633	1
45220_5220	45220	5220	37.8345	82.7205	-0.021	1.152	1.3155	592.353	1
45220_5221	45220	5221	10.95	4.8765	0.219	-0.3	-4.989	199.6965	1
45221_5221	45221	5221	38.88	72.162	-0.069	0.5655	1.4475	106.965	1
45221_5222	45221	5222	-13.542	11.0325	0.1095	0.789	-0.1515	511.9365	1
45222_5222	45222	5222	39.816	67.755	0.054	2.679	1.8645	-239.706	1
45222_5223	45222	5223	-18.9015	14.952	-0.162	-1.6455	-1.713	769.7265	1
45223_5223	45223	5223	39.6015	58.2675	-0.084	-0.903	3.867	-625.422	1
45223_5224	45223	5224	-24.879	23.88	-0.03	2.532	-1.749	975.7275	1
45224_5224	45224	5224	39.45	62.556	0.192	4.149	3.375	-961.967	1
45224_5225	45224	5225	-29.8275	23.124	-0.1395	-3.1815	-3.321	1221.143	1
45225_5225	45225	5225	39.594	49.0515	0.0345	-0.672	5.706	-885.738	1
45225_5226	45225	5226	-32.673	29.0055	-0.048	1.9305	-4.137	1098.977	1
45226_5226	45226	5226	39.813	51.39	0.1905	4.194	6.225	-1176.62	1
45226_5227	45226	5227	-36.3465	29.6205	-0.0885	-2.892	-6.243	1316.337	1
45227_5227	45227	5227	39.885	41.121	0.051	-2.289	8.7105	-1311.02	1
45227_5228	45227	5228	-38.133	39.108	0.036	3.5595	-6.4935	1318.946	1
45228_5228	45228	5228	39.7605	43.9125	0.291	4.3695	9.5775	-1329.37	1
45228_5229	45228	5229	-39.0315	36.5085	-0.159	-3.039	-9.2895	1362.581	1
45229_5229	45229	5229	39.246	33.978	0.1575	-2.3955	13.4415	-1373.74	1
45229_5230	45229	5230	-39.537	46.5405	-0.033	3.6315	-10.8435	1290.24	1
45230_5230	45230	5230	37.9935	35.838	0.255	3.3	15.633	-1304.69	1
45230_5231	45230	5231	-39.7875	44.3115	-0.2745	-2.0805	-15.6885	1222.526	1
45231_5231	45231	5231	35.7615	26.3985	0.138	-1.6035	18.711	-1273.15	1
45231_5232	45231	5232	-39.9	55.005	-0.1545	2.6235	-18.84	1042.986	1
45232_5232	45232	5232	33.429	29.2095	-0.231	2.607	19.8525	-1246.48	1
45232_5233	45232	5233	-39.792	54.8445	0.084	-1.3725	-19.128	1023.711	1
45233_5233	45233	5233	31.179	24.2265	-0.2655	0.483	17.4195	-1248.98	1
45233_5234	45233	5234	-39.8565	62.7435	0.168	0.183	-17.88	977.142	1
45234_5234	45234	5234	28.3215	19.278	-0.318	-2.349	15.33	-1121.02	1
45234_5235	45234	5235	-40.164	68.622	0.291	3.048	-15.234	744.516	1
45235_5235	45235	5235	25.9395	20.712	2.0235	3.3195	12.6825	-1070.68	1
45235_5236	45235	5236	-39.8865	68.8905	-1.9755	-1.572	-25.137	721.323	1
45236_5236	45236	5236	22.431	15.4365	1.8315	0.1275	23.301	-884.591	1
45236_5237	45236	5237	-40.2975	73.029	-1.932	0.594	-41.046	363.672	1
45237_5237	45237	5237	19.7115	11.8905	1.68	-1.914	37.59	-775.745	1
45237_5238	45237	5238	-39.9765	80.025	-1.9035	2.397	-53.781	229.053	1
45238_5238	45238	5238	15.192	19.419	-2.16	2.4495	45.36	-518.772	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45238_5239	45238	5239	-38.673	64.3695	2.1945	-1.5495	-32.5305	-88.0845	1
45239_5239	45239	5239	10.986	12.819	-2.061	0.066	21.393	-347.597	1
45239_5240	45239	5240	-39.7635	71.3265	2.3205	0.225	-6.651	-370.761	1
45240_5240	45240	5240	-43.038	62.562	1.293	0.7845	-12.9255	46.386	1
45240_5241	45240	5241	71.3415	18.456	-1.3785	0.0135	-5.889	557.7855	1
45241_5241	45241	5241	-40.8045	56.9745	1.3635	-1.6875	2.409	-467.217	1
45241_5242	45241	5242	64.5165	27.9195	-1.7475	3.1275	-15.5115	799.7325	1
45242_5242	45242	5242	-38.8995	51.108	1.2645	-1.566	9.048	-524.088	1
45242_5243	45242	5243	61.0635	33.0975	-1.809	3.642	-26.691	797.181	1
45243_5243	45243	5243	-37.2105	63.7755	-0.702	2.196	13.1745	-463.971	1
45243_5244	45243	5244	56.7885	20.9145	1.2135	-1.305	-14.2785	813.684	1
45244_5244	45244	5244	-37.122	54.1155	-0.4245	-0.8235	3.528	-708.807	1
45244_5245	45244	5245	50.6205	27.603	0.9675	1.875	-4.0095	897.09	1
45245_5245	45245	5245	-38.535	49.9065	-0.138	2.6655	-2.2665	-841.1	1
45245_5246	45245	5246	45.033	30.8385	0.3705	-1.6275	0.2565	944.313	1
45246_5246	45246	5246	-41.2245	41.202	0.048	-1.2075	-4.8795	-966.513	1
45246_5247	45246	5247	40.7355	39.186	0.171	2.1465	2.217	970.395	1
45247_5247	45247	5247	-45.192	39.4095	-0.261	2.5755	-5.385	-988.571	1
45247_5248	45247	5248	38.1855	41.313	0.291	-1.4955	5.016	965.8155	1
45248_5248	45248	5248	-51.177	31.0185	-0.066	-0.9645	-8.7405	-957.897	1
45248_5249	45248	5249	37.074	49.8375	0.1695	1.941	7.0905	828.6825	1
45249_5249	45249	5249	-58.2285	27.7275	-0.198	1.737	-9.912	-910.235	1
45249_5250	45249	5250	37.3425	54.333	0.195	-0.7305	9.48	686.622	1
45250_5250	45250	5250	-65.0925	21.447	0.042	-0.843	-11.622	-856.863	1
45250_5251	45250	5251	39.1545	64.221	0.105	1.506	11.259	474.3195	1
45251_5251	45251	5251	-69.507	34.521	1.7385	2.1045	-10.566	-848.955	1
45251_5252	45251	5252	42.3315	52.008	-1.6065	-1.0095	2.208	541.7475	1
45252_5252	45252	5252	-73.551	29.214	1.7625	0.5685	0.0435	-839.762	1
45252_5253	45252	5253	45.1125	57.315	-1.818	-0.33	-9.5865	455.0895	1
45253_5253	45253	5253	-79.3605	21.9975	1.779	-1.6455	9.951	-707.204	1
45253_5254	45253	5254	48.4665	62.9565	-2.07	1.2405	-30.447	142.6365	1
45254_5254	45254	5254	30.8415	65.676	1.6845	6.8985	14.1435	-82.1355	1
45254_5255	45254	5255	-7.101	27.72	-2.9535	-1.2435	-33.9975	494.571	1
45255_5255	45255	5255	34.7025	70.746	-2.0025	0.8145	11.25	358.3875	1
45255_5256	45255	5256	-9.7545	13.8945	2.7075	-0.492	0.6165	421.56	1
45256_5256	45256	5256	35.439	63.687	-1.881	0.1005	-15.5775	-80.628	1
45256_5257	45256	5257	-13.6665	21.975	2.757	1.9935	28.938	650.2785	1
45257_5257	45257	5257	37.1145	80.334	0.987	3.1845	-32.3385	-345.728	1
45257_5258	45257	5258	-17.6595	13.0725	-1.062	-2.5785	23.766	883.2465	1
45258_5258	45258	5258	37.7385	74.4375	0.879	1.704	-25.1535	-513.723	1
45258_5259	45258	5259	-20.0955	16.437	-1.002	-0.924	17.196	998.55	1
45259_5259	45259	5259	38.0955	68.478	0.795	-0.6855	-17.3955	-700.794	1
45259_5260	45259	5260	-23.0175	20.859	-0.906	2.5185	11.1375	1109.367	1
45260_5260	45260	5260	38.5935	70.0485	0.792	5.3925	-10.56	-951.584	1
45260_5261	45260	5261	-25.9815	20.754	-0.636	-4.4745	7.8795	1271.249	1
45261_5261	45261	5261	39.0345	64.773	0.6255	0.834	-4.866	-1087.47	1
45261_5262	45261	5262	-28.1025	24.3615	-0.588	0.0645	4.2855	1348.764	1
45262_5262	45262	5262	40.4715	54.522	0.534	-0.1065	0.525	-1000.48	1
45262_5263	45262	5263	-30.231	28.7115	-0.6015	1.5465	-3.255	1254.999	1
45263_5263	45263	5263	41.9745	55.008	0.3795	3.5775	7.0395	-1197.28	1
45263_5264	45263	5264	-33.6	28.7385	-0.177	-2.4225	-6.8145	1389.84	1
45264_5264	45264	5264	43.3275	45.2475	0.303	-0.903	11.865	-1345.48	1
45264_5265	45264	5265	-36.2745	37.287	-0.132	2.0805	-9.6885	1407.438	1
45265_5265	45265	5265	44.4435	46.8825	0.5025	4.731	15.78	-1396.12	1
45265_5266	45265	5266	-38.4075	35.9865	-0.3435	-3.3225	-15.633	1460.399	1
45266_5266	45266	5266	45.153	37.665	0.348	-1.959	21.957	-1470.77	1
45266_5267	45266	5267	-40.2165	45.3345	-0.237	3.306	-20.3265	1424.511	1
45267_5267	45267	5267	45.2265	39.372	0.3675	5.2335	25.8255	-1435.56	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45267_5268	45267	5268	-41.7555	43.539	-0.3735	-3.63	-26.772	1389.885	1
45268_5268	45268	5268	44.3775	30.651	0.1545	-2.649	29.4285	-1431.47	1
45268_5269	45268	5269	-43.1415	53.103	-0.1755	4.0755	-30.4845	1258.35	1
45269_5269	45269	5269	43.0365	33.504	0.3375	4.551	30.4005	-1433.92	1
45269_5270	45269	5270	-44.3055	52.38	-0.5565	-2.925	-36.4515	1268.357	1
45270_5270	45270	5270	41.0805	27.027	0.1965	0.0075	32.1225	-1384.2	1
45270_5271	45270	5271	-44.961	59.802	-0.411	0.9105	-40.3035	1119.461	1
45271_5271	45271	5271	39.129	23.07	0.087	-3.195	32.6355	-1372.21	1
45271_5272	45271	5272	-45.7155	67.221	-0.2745	4.2075	-41.532	1073.417	1
45272_5272	45272	5272	36.546	24.1005	1.689	3.4605	31.488	-1248.6	1
45272_5273	45272	5273	-46.335	65.439	-1.689	-1.9215	-52.5	907.125	1
45273_5273	45273	5273	33.9075	20.175	1.548	0.4635	41.3685	-1167.74	1
45273_5274	45273	5274	-46.872	70.872	-1.6785	0.3465	-62.49	761.133	1
45274_5274	45274	5274	29.031	14.3085	1.281	-2.3895	47.115	-903.243	1
45274_5275	45274	5275	-47.6295	75.6645	-1.617	3.3315	-79.6155	238.623	1
45275_5275	45275	5275	23.595	22.9035	-4.8	1.44	54.9645	-717.135	1
45275_5276	45275	5276	-46.3035	63.2925	4.008	-0.06	-38.5155	138.9195	1
45276_5276	45276	5276	19.3035	16.9215	-4.7595	-1.752	2.1255	-605.663	1
45276_5277	45276	5277	-45.612	70.6245	4.4565	2.187	10.386	-44.574	1
45277_5277	45277	5277	14.9265	23.91	3.8055	-4.4895	-46.1625	-483.513	1
45277_5278	45277	5278	-43.308	64.8825	-1.395	1.359	7.5825	-62.3835	1
45278_5278	45278	5278	-44.4705	57.7635	1.989	2.8845	-16.116	-231.183	1
45278_5279	45278	5279	69.3435	27.0105	-1.0965	-1.4505	-6.7605	769.2045	1
45279_5279	45279	5279	-42.3945	52.242	2.118	0.8715	1.71	-489.467	1
45279_5280	45279	5280	64.2465	34.542	-1.6155	1.143	-17.0265	859.7685	1
45280_5280	45280	5280	-40.293	55.9755	-0.7815	1.653	12.39	-353.999	1
45280_5281	45280	5281	60.633	24.918	1.0395	-1.3035	-5.7285	792.105	1
45281_5281	45281	5281	-40.5495	44.1045	-0.5085	-0.39	1.071	-514.365	1
45281_5282	45281	5282	53.823	33.72	0.8895	1.209	4.95	760.7745	1
45282_5282	45282	5282	-43.308	44.508	0.2415	1.74	-5.784	-565.172	1
45282_5283	45282	5283	47.0175	32.601	0.1845	-1.098	7.044	734.8575	1
45283_5283	45283	5283	-48.198	34.3875	0.51	-1.0095	-2.007	-675.585	1
45283_5284	45283	5284	42.4065	43.5975	-0.051	1.8645	5.3625	661.389	1
45284_5284	45284	5284	-54.9765	38.3115	0.126	1.443	5.811	-681.294	1
45284_5285	45284	5285	40.323	38.16	-0.363	-0.738	-0.918	647.7345	1
45285_5285	45285	5285	-62.4465	29.6205	0.183	-0.7365	7.6035	-760.04	1
45285_5286	45285	5286	40.4655	48.834	-0.4335	1.293	-7.107	576.801	1
45286_5286	45286	5286	-71.73	33.111	-0.699	2.3475	8.2245	-693.611	1
45286_5287	45286	5287	42.2985	45.261	0.9285	-0.933	2.214	439.6875	1
45287_5287	45287	5287	-80.568	24.0525	-0.1905	-0.6855	1.1475	-703.56	1
45287_5288	45287	5288	46.4115	56.217	0.819	1.2465	11.196	240.561	1
45288_5288	45288	5288	-83.487	38.802	1.8405	3.5085	0.3525	-844.122	1
45288_5289	45288	5289	52.584	51.6885	-2.2785	-3.366	1.329	496.338	1
45289_5289	45289	5289	-89.628	31.5015	1.6755	1.9575	9.9585	-710.858	1
45289_5290	45289	5290	55.2705	54.969	-2.415	-2.76	-22.305	160.899	1
45290_5290	45290	5290	12.801	68.6535	3.306	-2.985	4.734	22.176	1
45290_5291	45290	5291	-1.32	19.146	-5.3565	4.911	-59.868	425.2065	1
45291_5291	45291	5291	11.5695	70.62	-3.0285	1.6185	32.3115	-226.638	1
45291_5292	45291	5292	-2.5995	15.936	4.0845	-1.0545	-13.194	650.751	1
45292_5292	45292	5292	9.855	62.9775	-2.7885	-1.242	-2.094	-576.719	1
45292_5293	45292	5293	-3.354	23.2365	4.0305	2.4915	28.596	844.4985	1
45293_5293	45293	5293	9.2415	73.0485	0.5625	3.8325	-28.6905	-876.546	1
45293_5294	45293	5294	-4.6785	16.9815	-0.7575	-2.706	24.0525	1110.809	1
45294_5294	45294	5294	8.0415	66.6975	0.5145	0.9945	-23.85	-1086.88	1
45294_5295	45294	5295	-5.367	21.765	-0.7125	-0.3165	19.1655	1255.017	1
45295_5295	45295	5295	7.461	60.081	0.4725	-1.9785	-19.158	-1262.4	1
45295_5296	45295	5296	-6.015	27.3675	-0.6765	2.985	14.22	1359.62	1
45296_5296	45296	5296	7.503	68.6175	0.471	3.852	-15.0435	-1576.28	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45296_5297	45296	5297	-6.405	23.139	-0.429	-2.9445	12.9855	1617.453	1
45297_5297	45297	5297	7.623	60.7605	0.435	1.9725	-12.552	-1496.21	1
45297_5298	45297	5298	-6.573	25.9935	-0.444	-1.2885	9.141	1569.159	1
45298_5298	45298	5298	7.7265	53.367	0.3825	-2.2995	-8.229	-1684.51	1
45298_5299	45298	5299	-6.906	32.871	-0.468	2.9865	5.0085	1677.263	1
45299_5299	45299	5299	7.842	57.321	0.0165	5.133	-4.7445	-1702.95	1
45299_5300	45299	5300	-7.1625	27.828	-0.0045	-3.7635	4.8615	1760.391	1
45300_5300	45300	5300	7.9485	47.5275	-0.0075	-3.075	-4.419	-1859.98	1
45300_5301	45300	5301	-7.4025	36.453	0.027	4.011	5.097	1833.507	1
45301_5301	45301	5301	8.031	51.996	0.12	5.1705	-4.3035	-1925.47	1
45301_5302	45301	5302	-7.5825	32.493	-0.138	-3.936	3.282	1981.746	1
45302_5302	45302	5302	8.0595	42.999	0.0825	-3.705	-2.6655	-2072.57	1
45302_5303	45302	5303	-7.728	41.988	-0.1065	4.77	1.944	2059.805	1
45303_5303	45303	5303	8.01	47.4615	0.021	5.6805	-1.6545	-1999.52	1
45303_5304	45303	5304	-7.845	36.5925	-0.057	-4.5285	1.14	2093.136	1
45304_5304	45304	5304	7.8585	38.8275	-0.018	-4.479	-1.395	-2105.11	1
45304_5305	45304	5305	-7.959	46.503	-0.015	5.8455	1.0335	2143.266	1
45305_5305	45305	5305	7.5315	43.821	0.114	4.488	-1.6515	-1969.16	1
45305_5306	45305	5306	-8.031	40.3065	-0.15	-3.846	-0.6285	2127.539	1
45306_5306	45306	5306	6.969	34.026	0.081	-2.688	-0.3885	-1903.37	1
45306_5307	45306	5307	-8.0655	49.5765	-0.1185	3.8715	-1.7925	2037.665	1
45307_5307	45307	5307	6.096	36.822	0.03	4.563	0.375	-1695.46	1
45307_5308	45307	5308	-8.0295	44.448	-0.0675	-4.362	-2.2635	1985.625	1
45308_5308	45308	5308	4.755	25.3725	0.0015	-2.58	0.435	-1440.77	1
45308_5309	45308	5309	-7.881	53.991	-0.0315	4.4055	-2.2365	1786.88	1
45309_5309	45309	5309	3.1725	22.473	-0.0735	2.586	0.1785	-1048.28	1
45309_5310	45309	5310	-7.5585	51.0615	-0.0135	-3.291	-1.8885	1601.243	1
45310_5310	45310	5310	2.034	12.822	-0.069	-1.269	-0.702	-742.559	1
45310_5311	45310	5311	-7.005	62.154	0.087	3.3735	0.5385	1234.065	1
45311_5311	45311	5311	1.0845	8.073	0.039	1.0815	-0.876	-401.903	1
45311_5312	45311	5312	-6.1335	66.945	-0.0975	-1.38	0.7365	685.1415	1
45312_5312	45312	5312	-2.364	3.513	0.9135	0.27	-9.9015	24.4815	1
45312_5313	45312	5313	-4.761	82.128	-0.087	2.2455	0	-30.822	1

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
5000_5000	5000	5000	-0.5265	-3.8085	0.0255	-0.0255	0	-1.809	1
5000_5001	5000	5001	72.603	-71.3745	0.048	-0.081	0.6165	557.946	1
5001_5001	5001	5001	-43.2945	-9.4905	-0.012	-0.054	-0.1455	-330.123	1
5001_5002	5001	5002	108.7095	-59.8425	0.0585	0.069	1.3305	833.0985	1
5002_5002	5002	5002	-64.833	-11.997	0.021	0.063	-0.4425	-494.492	1
5002_5003	5002	5003	142.191	-56.1555	-0.072	-0.168	0.6105	1088.069	1
5003_5003	5003	5003	-94.8195	-21.1515	0.0315	-0.132	-0.2865	-723.399	1
5003_5004	5003	5004	158.6205	-45.4005	-0.075	0.1665	-0.3	1213.241	1
5004_5004	5004	5004	-125.306	-23.3385	-0.003	0.06	0.1485	-956.916	1
5004_5005	5004	5005	175.4535	-49.0035	0.009	-0.1125	-0.225	1341.054	1
5005_5005	5005	5005	-152.964	-34.281	-0.006	-0.144	0.1455	-1168.49	1
5005_5006	5005	5006	180.06	-39.5595	0.009	0.1335	-0.129	1375.977	1
5006_5006	5006	5006	-165.135	-30.8505	0.0045	0.165	0.0915	-1261.92	1
5006_5007	5006	5007	189.0195	-44.9175	-0.009	-0.246	-0.243	1443.719	1
5007_5007	5007	5007	-179.021	-40.455	0.0045	-0.273	0.171	-1367.81	1
5007_5008	5007	5008	187.05	-35.8035	-0.0075	0.2265	-0.3555	1428.554	1
5008_5008	5008	5008	-180.956	-35.172	-0.003	0.1815	0.276	-1382.74	1
5008_5009	5008	5009	190.1835	-41.274	0.0045	-0.2535	-0.315	1452.024	1
5009_5009	5009	5009	-187.406	-44.508	-0.0045	-0.282	0.264	-1431.63	1
5009_5010	5009	5010	182.8935	-32.2605	0.0045	0.219	-0.267	1396.472	1
5010_5010	5010	5010	-182.766	-39.183	0.009	-0.021	0.2235	-1396.33	1
5010_5011	5010	5011	180.8835	-37.437	-0.0075	0.006	-0.3705	1380.947	1
5011_5011	5011	5011	-182.99	-48.4875	0.009	-0.018	0.348	-1397.77	1
5011_5012	5011	5012	168.9915	-28.5375	-0.006	0.003	-0.4455	1290.512	1
5012_5012	5012	5012	-172.457	-43.4565	-0.0195	0.0615	0.4575	-1317.66	1
5012_5013	5012	5013	161.6685	-33.036	0.015	-0.0885	-0.2445	1234.646	1
5013_5013	5013	5013	-166.754	-52.815	-0.0195	-0.12	0.228	-1274.15	1
5013_5014	5013	5014	146.6235	-24.438	0.015	0.084	-0.0465	1120.103	1
5014_5014	5014	5014	-150.545	-48.783	0.039	0.033	0	-1151.02	1
5014_5015	5014	5015	130.821	-24.945	-0.0255	-0.0585	-0.486	999.3645	1
5015_5015	5015	5015	-143.238	-61.56	0.0225	-0.0645	0.393	-1032.13	1
5015_5016	5015	5016	125.019	-18.9825	-0.0165	0.0495	-0.4635	920.265	1
5016_5016	5016	5016	-121.971	-56.4795	-0.009	0.0165	0.5625	-911.558	1
5016_5017	5016	5017	99.8475	-20.5935	0.012	-0.0375	-0.2955	815.1165	1
5017_5017	5017	5017	-91.983	-66.3345	-0.0105	-0.0615	0.399	-793.766	1
5017_5018	5017	5018	61.9665	-11.8815	0.0105	0.036	-0.135	626.169	1
5018_5018	5018	5018	-50.2515	-69.909	0.003	-0.012	0.2025	-567.536	1
5018_5019	5018	5019	33.132	-8.8845	0	-0.018	-0.1485	421.965	1
5019_5019	5019	5019	-17.661	-80.8665	0.003	-0.0405	0.1995	-334.274	1
5019_5020	5019	5020	10.344	-2.9355	0.003	0.018	-0.1005	172.7685	1
5020_5020	5020	5020	-93.8685	-9.684	-0.027	0.006	0.702	-315.165	1
5020_5021	5020	5021	53.883	-70.716	0.015	-0.018	-0.2475	245.412	1
5021_5021	5021	5021	-102.512	-14.6595	-0.018	0.0075	0.33	-414.993	1
5021_5022	5021	5022	69.081	-62.7795	0.0105	-0.0135	-0.0825	362.2575	1
5022_5022	5022	5022	-108.506	-19.9035	-0.012	-0.039	0.1725	-486.996	1
5022_5023	5022	5023	79.9155	-55.071	0.006	0.012	-0.009	451.0365	1
5023_5023	5023	5023	-111.269	-19.776	-0.006	-0.015	0.0765	-540.279	1
5023_5024	5023	5024	92.8665	-54.657	0.003	0	0.033	548.6355	1
5024_5024	5024	5024	-115.169	-25.53	-0.0105	0.0615	0.015	-600.414	1
5024_5025	5024	5025	100.3785	-46.7055	0.003	-0.0675	0.0735	604.692	1
5025_5025	5025	5025	-115.479	-32.112	-0.0015	-0.084	-0.0615	-634.526	1
5025_5026	5025	5026	103.0125	-39.309	-0.0015	0.0585	0.0765	623.0085	1
5026_5026	5026	5026	-112.473	-28.95	-0.0045	0.006	-0.072	-640.328	1
5026_5027	5026	5027	108.5145	-45.0705	0	-0.0225	0.0825	657.195	1
5027_5027	5027	5027	-113.538	-33.8745	-0.0045	0.021	-0.0975	-663.371	1
5027_5028	5027	5028	110.9115	-39.2865	0	-0.0345	0.084	667.9995	1
5028_5028	5028	5028	-113.064	-39.348	-0.003	0.0165	-0.1125	-672.144	1

5028_5029	5028	5029	110.556	-33.813	-0.0015	-0.0255	0.0765	657.6405	1
5029_5029	5029	5029	-109.88	-45.15	0	-0.0825	-0.12	-659.657	1
5029_5030	5029	5030	108.576	-28.902	-0.0045	0.06	0.045	633.135	1
5030_5030	5030	5030	-103.628	-39.3015	0	0.03	-0.108	-623.793	1
5030_5031	5030	5031	110.232	-32.052	-0.0045	-0.051	0.006	625.404	1
5031_5031	5031	5031	-100.082	-46.7145	0.003	-0.027	-0.0825	-603.62	1
5031_5032	5031	5032	108.375	-25.47	-0.0075	0.015	-0.0675	589.3995	1
5032_5032	5032	5032	-91.6155	-54.6885	0.0045	-0.024	-0.0315	-545.486	1
5032_5033	5032	5033	102.888	-19.7325	-0.009	0.009	-0.162	527.6325	1
5033_5033	5033	5033	-77.6535	-55.0455	0.0075	-0.0045	0.0345	-445.806	1
5033_5034	5033	5034	98.5215	-19.836	-0.0135	-0.0105	-0.279	472.74	1
5034_5034	5034	5034	-65.7585	-62.784	0.009	0	0.126	-355.187	1
5034_5035	5034	5035	91.014	-14.598	-0.015	-0.015	-0.42	399.2445	1
5035_5035	5035	5035	-49.1325	-70.7655	0.0165	-0.0195	0.315	-237.573	1
5035_5036	5035	5036	80.0385	-9.6465	-0.027	0.0135	-0.849	300.321	1
5036_5036	5036	5036	-15.8235	-4.188	0.0015	0.009	-0.303	-184.278	1
5036_5037	5036	5037	-8.538	-77.178	0	-0.066	-0.402	260.3355	1
5037_5037	5037	5037	-19.8645	-9.9225	0	-0.0525	0.24	-387	1
5037_5038	5037	5038	16.71	-66.1335	0.006	-0.0255	-0.444	452.514	1
5038_5038	5038	5038	-42.441	-12.999	0.0075	0.057	0.258	-570.729	1
5038_5039	5038	5039	49.509	-62.487	-0.003	-0.0885	-0.5715	632.955	1
5039_5039	5039	5039	-72.246	-21.648	0.003	-0.0705	0.3885	-729.893	1
5039_5040	5039	5040	72.2115	-52.9035	0.006	0.0255	-0.585	711.696	1
5040_5040	5040	5040	-89.3235	-19.9305	-0.012	0.036	0.4875	-802.673	1
5040_5041	5040	5041	88.857	-57.9795	0.0135	-0.045	-0.498	804.033	1
5041_5041	5041	5041	-114.551	-25.521	-0.0075	-0.015	0.195	-809.862	1
5041_5042	5041	5042	117.1215	-44.3355	0.0075	0.0045	-0.138	829.7265	1
5042_5042	5042	5042	-122.262	-24.0435	0.003	-0.0015	0.108	-864.942	1
5042_5043	5042	5043	133.5795	-48.3465	-0.0015	-0.0015	-0.1635	924.834	1
5043_5043	5043	5043	-133.959	-33.0675	0.003	0	0.1425	-937.392	1
5043_5044	5043	5044	137.4435	-38.3385	-0.0015	-0.003	-0.183	944.0415	1
5044_5044	5044	5044	-136.368	-28.2585	-0.0015	-0.006	0.186	-949.922	1
5044_5045	5044	5045	147.6135	-42.9825	0	0.003	-0.168	1002.384	1
5045_5045	5045	5045	-145.632	-37.83	-0.0015	0	0.171	-1002.36	1
5045_5046	5045	5046	144.7065	-33.084	0	-0.003	-0.168	982.6095	1
5046_5046	5046	5046	-143.009	-32.817	-0.0015	0.048	0.1695	-982.061	1
5046_5047	5046	5047	148.485	-37.9665	0	-0.069	-0.1575	1004.102	1
5047_5047	5047	5047	-147.314	-42.7425	-0.003	-0.072	0.1605	-1003.97	1
5047_5048	5047	5048	140.079	-28.3545	0.0015	0.051	-0.1245	951.8835	1
5048_5048	5048	5048	-138.525	-37.9305	-0.0015	0.045	0.1245	-947.504	1
5048_5049	5048	5049	138.1995	-33.057	0.003	-0.066	-0.0885	938.49	1
5049_5049	5049	5049	-136.091	-48.0105	-0.0045	-0.072	0.1095	-930.608	1
5049_5050	5049	5050	126.816	-23.9715	0.0045	0.051	-0.0285	865.119	1
5050_5050	5050	5050	-120.69	-43.8825	0.006	0.0135	0.0495	-836.034	1
5050_5051	5050	5051	119.202	-25.3905	-0.003	-0.033	-0.0645	809.055	1
5051_5051	5051	5051	-99.8505	-57.627	0.003	-0.087	0.132	-776.6	1
5051_5052	5051	5052	100.197	-19.5345	-0.0015	0.0705	-0.078	768.501	1
5052_5052	5052	5052	-82.476	-52.428	0.003	0.027	0.141	-684.23	1
5052_5053	5052	5053	82.6035	-21.462	-0.0015	-0.0735	-0.0795	702.8985	1
5053_5053	5053	5053	-52.5645	-62.4705	0	-0.1245	0.177	-644.136	1
5053_5054	5053	5054	46.1025	-12.858	0.0015	0.084	-0.093	584.799	1
5054_5054	5054	5054	-21.0795	-66.2055	0	-0.0255	0.1545	-458.138	1
5054_5055	5054	5055	23.748	-9.672	0.0015	-0.0495	-0.0705	400.779	1
5055_5055	5055	5055	3.4365	-77.553	-0.003	-0.057	0.1125	-261.56	1
5055_5056	5055	5056	5.4135	-3.384	0.003	0.027	-0.0345	163.752	1
5056_5056	5056	5056	-84.231	-9.648	-0.012	-0.003	0.333	-316.242	1
5056_5057	5056	5057	57.606	-70.0395	0.0075	-0.0165	-0.126	293.913	1
5057_5057	5057	5057	-94.722	-14.9175	-0.0105	0.0345	0.1815	-435.609	1
5057_5058	5057	5058	71.553	-62.2125	0.0075	-0.0375	-0.0435	422.2155	1
5058_5058	5058	5058	-101.963	-20.3745	-0.006	-0.0795	0.087	-520.091	1

5058_5059	5058	5059	81.6525	-54.441	0.0045	0.0375	0.003	513.972	1
5059_5059	5059	5059	-105.764	-20.2575	-0.012	0.135	0.0375	-582.213	1
5059_5060	5059	5060	93.7185	-54.45	0.006	-0.186	0.0585	615.3165	1
5060_5060	5060	5060	-110.453	-26.1345	-0.0045	-0.105	-0.054	-650.432	1
5060_5061	5060	5061	100.632	-46.521	0.0015	0.0615	0.0795	672.288	1
5061_5061	5061	5061	-111.618	-32.8365	-0.003	-0.0945	-0.0795	-690.072	1
5061_5062	5061	5062	102.9795	-39.1725	0.0015	0.0375	0.09	689.2935	1
5062_5062	5062	5062	-109.484	-29.445	-0.003	0.06	-0.102	-698.459	1
5062_5063	5062	5063	108.18	-45.3195	0	-0.1065	0.0915	724.7505	1
5063_5063	5063	5063	-110.946	-34.389	-0.003	0.0945	-0.114	-724.568	1
5063_5064	5063	5064	110.499	-39.5475	0	-0.1275	0.093	735.498	1
5064_5064	5064	5064	-110.885	-39.867	0.0015	-0.1245	-0.12	-735.171	1
5064_5065	5064	5065	110.271	-34.0785	-0.003	0.0915	0.075	723.807	1
5065_5065	5065	5065	-108.26	-45.6615	0.0015	-0.117	-0.1065	-723.192	1
5065_5066	5065	5066	108.5415	-29.1585	-0.003	0.0705	0.0525	696.864	1
5066_5066	5066	5066	-102.764	-39.426	0.0015	0.0165	-0.09	-686.54	1
5066_5067	5066	5067	110.361	-32.5605	-0.003	-0.0525	0.021	687.75	1
5067_5067	5067	5067	-100.059	-46.7925	0.0015	0.03	-0.069	-668.228	1
5067_5068	5067	5068	108.9165	-25.89	-0.0045	-0.0585	-0.0165	647.796	1
5068_5068	5068	5068	-92.781	-54.7335	0.0045	-0.105	-0.039	-609.885	1
5068_5069	5068	5069	104.031	-20.058	-0.0075	0.072	-0.09	579.9495	1
5069_5069	5069	5069	-80.349	-54.6165	0.003	0.036	0.012	-507.257	1
5069_5070	5069	5070	100.1445	-20.2395	-0.006	-0.1065	-0.147	519.0375	1
5070_5070	5070	5070	-69.987	-62.3985	0.006	-0.0315	0.06	-414.974	1
5070_5071	5070	5071	92.9415	-14.826	-0.012	0.009	-0.255	436.5105	1
5071_5071	5071	5071	-55.5195	-70.287	0.0105	-0.051	0.159	-287.417	1
5071_5072	5071	5072	82.5135	-9.648	-0.018	0.03	-0.5055	322.176	1
5072_5072	5072	5072	-12.36	-3.609	0	0.006	-0.102	-148.445	1
5072_5073	5072	5073	-3.1485	-76.917	0	-0.0705	-0.2745	290.196	1
5073_5073	5073	5073	-21.915	-9.825	-0.003	-0.051	0.1905	-401.664	1
5073_5074	5073	5074	22.9005	-65.61	0.003	-0.021	-0.2835	495.7395	1
5074_5074	5074	5074	-44.28	-13.0095	0.0015	0.096	0.1695	-590.943	1
5074_5075	5074	5075	56.397	-61.965	0.0045	-0.1485	-0.2655	689.898	1
5075_5075	5075	5075	-81.396	-21.759	-0.0045	-0.0885	0.1335	-714.315	1
5075_5076	5075	5076	89.055	-52.0065	0.006	0.0405	-0.1785	735.33	1
5076_5076	5076	5076	-99.9465	-19.7985	0.003	0.063	0.1005	-785.832	1
5076_5077	5076	5077	108.2115	-57.3105	0.0015	-0.081	-0.192	835.7325	1
5077_5077	5077	5077	-104.492	-26.0265	0.0015	-0.0705	0.1785	-879.653	1
5077_5078	5077	5078	113.5365	-45.2475	0.009	0.0375	-0.1935	944.8095	1
5078_5078	5078	5078	-113.096	-24.336	0.003	0.12	0.2085	-949.233	1
5078_5079	5078	5079	127.905	-49.5225	-0.0045	-0.1665	-0.2445	1044.503	1
5079_5079	5079	5079	-124.481	-32.9655	-0.0015	-0.1695	0.249	-1032.77	1
5079_5080	5079	5080	132.2865	-40.161	-0.0015	0.1245	-0.2535	1072.736	1
5080_5080	5080	5080	-128.807	-28.122	0	0.138	0.2415	-1061.08	1
5080_5081	5080	5081	141.8235	-45.2955	0	-0.186	-0.246	1139.651	1
5081_5081	5081	5081	-138.534	-37.131	-0.0045	-0.1785	0.249	-1127.12	1
5081_5082	5081	5082	141.099	-36.0045	0.0045	0.135	-0.195	1133.627	1
5082_5082	5082	5082	-138.933	-31.5885	0	-0.0045	0.2025	-1125.44	1
5082_5083	5082	5083	145.9905	-40.842	-0.0015	-0.0045	-0.2025	1169.879	1
5083_5083	5083	5083	-145.458	-41.4345	0	-0.009	0.207	-1168.71	1
5083_5084	5083	5084	139.275	-31.044	-0.0015	0	-0.213	1123.391	1
5084_5084	5084	5084	-140.286	-36.537	0	0.129	0.219	-1128.64	1
5084_5085	5084	5085	138.771	-36.528	0	-0.174	-0.21	1122.498	1
5085_5085	5085	5085	-140.763	-45.879	-0.0045	-0.189	0.2145	-1131.23	1
5085_5086	5085	5086	129.075	-27.5865	0.003	0.141	-0.1665	1054.806	1
5086_5086	5086	5086	-130.935	-40.5945	-0.0045	0.12	0.1695	-1060.55	1
5086_5087	5086	5087	125.0085	-32.52	0.0045	-0.1665	-0.12	1026.674	1
5087_5087	5087	5087	-126.459	-50.004	-0.009	-0.1725	0.1185	-1029.93	1
5087_5088	5087	5088	113.6535	-23.9205	0.0075	0.126	-0.0315	942.3495	1
5088_5088	5088	5088	-112.062	-45.594	0.012	0.0375	0.0195	-928.242	1

5088_5089	5088	5089	105.7455	-26.124	-0.0045	-0.072	-0.0945	877.623	1
5089_5089	5089	5089	-96.8985	-57.531	0.006	-0.1395	0.138	-880.158	1
5089_5090	5089	5090	91.2735	-20.0385	-0.0015	0.1095	-0.1005	836.886	1
5090_5090	5090	5090	-79.857	-52.104	0.003	0.0675	0.165	-776.795	1
5090_5091	5090	5091	74.1645	-21.84	-0.0015	-0.1455	-0.1065	757.653	1
5091_5091	5091	5091	-56.1015	-61.98	-0.0015	-0.132	0.1845	-693.318	1
5091_5092	5091	5092	44.01	-12.807	0.003	0.0855	-0.105	591.999	1
5092_5092	5092	5092	-23.415	-65.439	0.003	-0.015	0.147	-498.246	1
5092_5093	5092	5093	21.9285	-9.735	0	-0.021	-0.126	400.5525	1
5093_5093	5093	5093	2.1105	-76.929	0.0015	-0.039	0.1485	-291.554	1
5093_5094	5093	5094	10.7895	-3.7515	0	0.0015	-0.036	154.1265	1
5094_5094	5094	5094	-81.654	-9.588	-0.015	0.0195	0.3555	-318.809	1
5094_5095	5094	5095	55.2345	-69.7095	0.006	-0.039	-0.1245	291.996	1
5095_5095	5095	5095	-89.0805	-14.9115	-0.012	0.0105	0.234	-446.585	1
5095_5096	5095	5096	66.5145	-61.899	0.0045	-0.03	-0.0795	431.628	1
5096_5096	5096	5096	-95.5305	-20.466	-0.0045	-0.105	0.1305	-532.896	1
5096_5097	5096	5097	75.66	-53.9655	0	0.039	-0.06	525.009	1
5097_5097	5097	5097	-98.709	-20.1495	-0.006	0.021	0.096	-595.727	1
5097_5098	5097	5098	86.874	-54.366	0.003	-0.0465	-0.0255	630.039	1
5098_5098	5098	5098	-102.875	-26.106	-0.0045	0.0345	0.0495	-666.281	1
5098_5099	5098	5099	93.222	-46.311	0.0015	-0.0525	0.0045	688.365	1
5099_5099	5099	5099	-103.74	-32.937	0	-0.12	0.015	-707.009	1
5099_5100	5099	5100	95.271	-38.88	-0.0015	0.0795	0.006	704.673	1
5100_5100	5100	5100	-101.493	-29.166	0.0015	-0.1455	0.015	-714.497	1
5100_5101	5100	5101	100.29	-45.552	-0.006	0.2325	-0.021	742.6545	1
5101_5101	5101	5101	-102.887	-34.1625	0.006	-0.4275	0.0225	-742.394	1
5101_5102	5101	5102	102.588	-39.672	-0.0105	0.4845	-0.081	754.569	1
5102_5102	5102	5102	-102.863	-39.7245	-0.0105	0.48	0.0585	-754.043	1
5102_5103	5102	5103	102.4965	-34.113	0.006	-0.423	-0.057	742.8735	1
5103_5103	5103	5103	-100.446	-45.6075	-0.0045	0.234	0.0075	-742.074	1
5103_5104	5103	5104	100.9965	-29.1285	0.0015	-0.1485	-0.0585	715.029	1
5104_5104	5104	5104	-95.3175	-38.88	-0.0015	0.0795	-0.0105	-704.09	1
5104_5105	5104	5105	103.0905	-32.8785	0	-0.12	-0.0675	707.454	1
5105_5105	5105	5105	-93.138	-46.329	0.0015	-0.0525	-0.0015	-687.933	1
5105_5106	5105	5106	102.0705	-26.0535	-0.0045	0.033	-0.114	666.669	1
5106_5106	5106	5106	-86.658	-54.384	0.003	-0.0495	0.036	-629.741	1
5106_5107	5106	5107	97.746	-20.094	-0.006	0.024	-0.1755	595.9725	1
5107_5107	5107	5107	-75.2985	-53.907	0.003	-0.006	0.0795	-524.684	1
5107_5108	5107	5108	94.425	-20.409	-0.0075	-0.0285	-0.246	532.965	1
5108_5108	5108	5108	-66.036	-61.8675	0.0045	0.009	0.132	-431.498	1
5108_5109	5108	5109	87.816	-14.8455	-0.0075	-0.039	-0.327	446.4435	1
5109_5109	5109	5109	-54.477	-69.714	0.0075	-0.033	0.1785	-292.889	1
5109_5110	5109	5110	80.0265	-9.507	-0.0135	0.024	-0.4485	318.6255	1
5110_5110	5110	5110	-4.1595	-3.402	0	0.03	0.1815	-162.926	1
5110_5111	5110	5111	-2.5365	-76.1355	0.003	-0.0645	-0.2685	296.019	1
5111_5111	5111	5111	-21.933	-9.9825	-0.003	-0.051	0.1965	-407.703	1
5111_5112	5111	5112	21.8595	-64.4355	0.006	-0.018	-0.255	492.759	1
5112_5112	5112	5112	-43.5495	-13.104	0.0045	0.057	0.159	-595.916	1
5112_5113	5112	5113	52.8135	-60.876	-0.003	-0.0885	-0.3465	676.1925	1
5113_5113	5113	5113	-72.789	-22.299	0.0015	-0.0915	0.195	-755.742	1
5113_5114	5113	5114	74.5485	-50.8245	0.0015	0.0375	-0.303	746.9655	1
5114_5114	5114	5114	-88.4685	-20.3865	-0.0105	0.024	0.246	-825.869	1
5114_5115	5114	5115	90.162	-56.34	0.0135	-0.0345	-0.201	841.323	1
5115_5115	5115	5115	-111.348	-26.394	-0.009	-0.009	0.141	-810.765	1
5115_5116	5115	5116	113.2305	-43.464	0.0135	0.0015	0.006	827.8185	1
5116_5116	5116	5116	-117.629	-24.084	0.0075	0.0375	0.0045	-857.984	1
5116_5117	5116	5117	127.278	-48.1575	-0.009	-0.054	-0.0915	915.213	1
5117_5117	5117	5117	-128.136	-32.8665	0.006	-0.0525	0.0885	-927.125	1
5117_5118	5117	5118	130.473	-38.5185	-0.006	0.036	-0.1665	933.819	1
5118_5118	5118	5118	-130.415	-27.603	-0.0045	0.039	0.168	-940.643	1

5118_5119	5118	5119	139.7985	-43.95	0.006	-0.0555	-0.099	992.817	1
5119_5119	5119	5119	-139.131	-36.756	-0.0075	-0.06	0.1095	-994.217	1
5119_5120	5119	5120	137.7705	-34.3695	0.006	0.042	-0.0225	980.4405	1
5120_5120	5120	5120	-137.78	-30.927	0.0045	0.1185	0.0285	-982.995	1
5120_5121	5120	5121	142.2075	-39.501	-0.0045	-0.1605	-0.072	1011.063	1
5121_5121	5121	5121	-143.573	-41.0115	0	-0.162	0.0795	-1017.9	1
5121_5122	5121	5122	133.791	-29.424	0.0015	0.117	-0.0555	960.822	1
5122_5122	5122	5122	-136.539	-35.8365	-0.0015	0.0375	0.078	-971.919	1
5122_5123	5122	5123	132.636	-35.25	0	-0.054	-0.0405	957.6555	1
5123_5123	5123	5123	-136.202	-45.4125	-0.003	-0.0585	0.054	-970.281	1
5123_5124	5123	5124	121.227	-26.037	0.0015	0.0405	-0.0195	888.8355	1
5124_5124	5124	5124	-124.494	-39.939	0	0.0675	0.0165	-897.207	1
5124_5125	5124	5125	116.3535	-31.212	0	-0.096	-0.024	860.6175	1
5125_5125	5125	5125	-118.923	-49.5885	-0.003	-0.102	0.0225	-864.702	1
5125_5126	5125	5126	103.6785	-22.434	0.0045	0.072	0.0255	778.959	1
5126_5126	5126	5126	-102.335	-44.9985	0.003	0.0195	-0.012	-762.618	1
5126_5127	5126	5127	95.487	-25.017	0	-0.0435	0.0405	721.035	1
5127_5127	5127	5127	-90.588	-56.982	-0.0015	-0.051	0.006	-685.586	1
5127_5128	5127	5128	85.5615	-18.792	0.0015	0.039	0.0375	658.4385	1
5128_5128	5128	5128	-71.301	-51.3735	0.0015	0.018	-0.018	-586.748	1
5128_5129	5128	5129	68.868	-20.982	0.0015	-0.057	0.0495	595.1505	1
5129_5129	5129	5129	-41.1255	-61.5285	-0.0015	-0.096	-0.039	-541.032	1
5129_5130	5129	5130	34.371	-12.069	0.009	0.06	0.1605	477.7695	1
5130_5130	5130	5130	-9.93	-64.002	0.0105	-0.0105	-0.081	-351.884	1
5130_5131	5130	5131	15.147	-10.5105	-0.0165	-0.024	-0.0435	311.142	1
5131_5131	5131	5131	12.963	-75.4785	0.0105	-0.0135	0.039	-163.49	1
5131_5132	5131	5132	-0.477	-4.116	-0.0165	0.0045	-0.2775	95.694	1
5132_5132	5132	5132	-79.9665	-8.796	0.0135	-0.0885	0.0195	-258.242	1
5132_5133	5132	5133	50.5755	-69.1305	-0.003	0.1935	-0.084	231.876	1
5133_5133	5133	5133	-91.071	-14.1405	0.0165	-0.1695	0.12	-366.407	1
5133_5134	5133	5134	66.069	-60.6975	-0.006	0.174	-0.0975	348.18	1
5134_5134	5134	5134	-98.436	-19.818	-0.033	0.435	0.222	-443.879	1
5134_5135	5134	5135	76.5315	-52.581	0.0165	-0.1875	0.0405	435.084	1
5135_5135	5135	5135	-102.233	-18.6765	0.0045	0.0285	-0.0465	-500.399	1
5135_5136	5135	5136	89.805	-53.6235	-0.0045	-0.0255	0.009	536.805	1
5136_5136	5136	5136	-107.789	-24.7425	0.009	-0.0465	-0.0105	-568.412	1
5136_5137	5136	5137	97.1295	-45.3045	-0.006	0.0495	-0.036	593.5215	1
5137_5137	5137	5137	-109.266	-31.707	0.006	0.039	0.0585	-607.428	1
5137_5138	5137	5138	99.183	-37.656	-0.0045	-0.0285	-0.0645	609.8745	1
5138_5138	5138	5138	-106.809	-27.762	-0.0045	0.051	0.096	-614.457	1
5138_5139	5138	5139	104.817	-44.64	0.003	-0.063	-0.0465	647.226	1
5139_5139	5139	5139	-108.666	-32.8485	-0.0015	-0.0615	0.0645	-641.97	1
5139_5140	5139	5140	107.1615	-38.58	0	0.0585	-0.039	659.688	1
5140_5140	5140	5140	-108.753	-38.544	-0.0045	0.06	0.0525	-654.114	1
5140_5141	5140	5141	106.5585	-32.868	0.003	-0.0645	-0.024	649.3575	1
5141_5141	5141	5141	-105.917	-44.592	-0.0015	-0.0615	0.0285	-643.667	1
5141_5142	5141	5142	104.1825	-27.762	0	0.051	-0.0225	623.5275	1
5142_5142	5142	5142	-99.768	-37.629	0	0.0015	0.0195	-608.259	1
5142_5143	5142	5143	105.912	-31.791	0	-0.003	-0.0315	618.429	1
5143_5143	5143	5143	-97.0425	-45.267	0	0.0015	0.0225	-594.569	1
5143_5144	5143	5144	103.7115	-24.8055	0	-0.003	-0.036	581.13	1
5144_5144	5144	5144	-89.067	-53.565	0	0.003	0.027	-540.654	1
5144_5145	5144	5145	97.446	-18.717	0	-0.003	-0.0345	514.6125	1
5145_5145	5145	5145	-75.1785	-53.397	-0.003	0.0045	0.033	-441.924	1
5145_5146	5145	5146	92.3565	-19.0005	0.0015	0.015	-0.021	455.2515	1
5146_5146	5146	5146	-63.501	-61.536	-0.003	-0.003	0.0165	-353.585	1
5146_5147	5146	5147	83.5605	-13.341	0.0015	0.018	-0.012	373.7025	1
5147_5147	5147	5147	-46.623	-69.939	-0.0045	0.03	-0.003	-233.991	1
5147_5148	5147	5148	70.557	-7.998	0.0045	-0.0285	0.0225	261.8235	1
5148_5148	5148	5148	1.3485	-3.807	0.0015	0.0075	-0.036	-132.096	1

5148_5149	5148	5149	-16.5825	-74.688	-0.0015	-0.0165	-0.0045	223.7385	1
5149_5149	5149	5149	-14.811	-10.269	0.0015	-0.0225	-0.015	-357.609	1
5149_5150	5149	5150	5.745	-63.1485	0.0015	-0.0075	-0.0105	402.1425	1
5150_5150	5150	5150	-34.752	-13.5045	0	0.0105	0.003	-529.295	1
5150_5151	5150	5151	34.5375	-59.49	0	-0.0135	-0.0105	567.027	1
5151_5151	5151	5151	-68.7795	-22.2315	0	-0.006	-0.0015	-629.441	1
5151_5152	5151	5152	62.466	-49.566	0	0.003	-0.0105	589.704	1
5152_5152	5152	5152	-83.2785	-20.334	0	0.0015	-0.003	-680.543	1
5152_5153	5152	5153	78.771	-54.7275	0	-0.0015	-0.0135	672.0315	1
5153_5153	5153	5153	-100.842	-26.349	0	0.0015	0.0015	-707.021	1
5153_5154	5153	5154	96.2175	-42.3225	0	0	-0.0105	701.292	1
5154_5154	5154	5154	-104.666	-24.2865	0	0.0015	0.0075	-740.483	1
5154_5155	5154	5155	109.494	-46.086	0	-0.0015	-0.012	776.2335	1
5155_5155	5155	5155	-113.511	-33.0885	0	0.0015	0.0105	-796.235	1
5155_5156	5155	5156	110.952	-36.3525	0	-0.0015	-0.015	784.38	1
5156_5156	5156	5156	-113.558	-28.974	0.0015	0.0015	0.0135	-798.824	1
5156_5157	5156	5157	117.789	-41.247	-0.0015	-0.0015	-0.027	823.488	1
5157_5157	5157	5157	-118.997	-37.4685	0.0015	0.0015	0.024	-830.373	1
5157_5158	5157	5158	114.9915	-32.5065	-0.0015	-0.0015	-0.0405	808.3215	1
5158_5158	5158	5158	-115.548	-32.6415	-0.003	-0.021	0.039	-810.665	1
5158_5159	5158	5159	118.1085	-37.461	0.0015	0.027	-0.0195	826.635	1
5159_5159	5159	5159	-117.944	-41.34	0	0.0285	0.0165	-824.006	1
5159_5160	5159	5160	112.3515	-28.956	-0.0015	-0.021	-0.03	793.8045	1
5160_5160	5160	5160	-110.784	-36.657	0	0.0015	0.021	-783.512	1
5160_5161	5160	5161	111.9495	-33.108	0.0015	-0.0015	-0.0165	789.8085	1
5161_5161	5161	5161	-108.801	-46.299	0	0.0015	0.0195	-772.878	1
5161_5162	5161	5162	102.7455	-24.306	0.0015	0	0.0015	732.603	1
5162_5162	5162	5162	-95.199	-42.789	0.003	0.0075	0.012	-696.588	1
5162_5163	5162	5163	98.22	-26.211	-0.0045	-0.0135	-0.0705	695.7705	1
5163_5163	5163	5163	-79.1775	-55.011	0.0015	-0.024	0.0555	-653.562	1
5163_5164	5163	5164	82.452	-20.184	-0.003	0.021	-0.105	657.1635	1
5164_5164	5164	5164	-62.322	-50.2605	-0.003	-0.012	0.084	-570.789	1
5164_5165	5164	5165	67.137	-21.8475	0.0045	0.0285	-0.057	602.1135	1
5165_5165	5165	5165	-36.636	-59.955	-0.0015	0.033	0.0765	-525.786	1
5165_5166	5165	5166	35.058	-13.215	0.0015	-0.024	-0.0285	485.556	1
5166_5166	5166	5166	-5.6895	-64.026	0.0015	-0.0075	0.0525	-362.4	1
5166_5167	5166	5167	13.9155	-10.008	-0.0015	-0.015	-0.033	319.527	1
5167_5167	5167	5167	18.33	-75.3285	-0.0015	-0.012	0.051	-183.375	1
5167_5168	5167	5168	-2.94	-3.7455	0	0.0075	-0.039	103.2645	1
5168_5168	5168	5168	-74.6205	-8.205	-0.003	0.012	0.0585	-253.229	1
5168_5169	5168	5169	49.3725	-70.6095	0	-0.006	-0.009	221.7465	1
5169_5169	5169	5169	-88.0845	-13.35	0.0015	-0.03	0.0255	-361.361	1
5169_5170	5169	5170	67.5045	-62.4795	-0.0015	0.018	-0.012	341.409	1
5170_5170	5170	5170	-97.6395	-18.7695	-0.0015	0.027	0.03	-440.208	1
5170_5171	5170	5171	80.619	-54.555	0	-0.0195	-0.0135	431.6415	1
5171_5171	5171	5171	-103.565	-18.702	0.0015	-0.036	0.0225	-499.37	1
5171_5172	5171	5172	95.757	-54.3075	0	0.0465	-0.012	530.1885	1
5172_5172	5172	5172	-110.585	-24.5955	-0.0015	0.0255	0.0255	-564.804	1
5172_5173	5172	5173	104.76	-46.1775	0	-0.0165	-0.0045	586.7085	1
5173_5173	5173	5173	-113.538	-31.3545	0	0.0225	0.0165	-603.801	1
5173_5174	5173	5174	108.2325	-38.634	0	-0.0105	0	604.8705	1
5174_5174	5174	5174	-112.533	-28.0215	0	-0.045	0.012	-613.596	1
5174_5175	5174	5175	114.609	-44.8065	-0.0015	0.0555	-0.0015	639.345	1
5175_5175	5175	5175	-115.197	-33.027	-0.0015	0.057	0.012	-639.5	1
5175_5176	5175	5176	117.546	-38.8875	0	-0.054	0.003	650.3055	1
5176_5176	5176	5176	-116.001	-38.607	0	-0.0525	0.006	-650.864	1
5176_5177	5176	5177	117.393	-33.2925	-0.0015	0.0555	-0.003	639.744	1
5177_5177	5177	5177	-113.741	-44.514	-0.0015	0.0585	0.0075	-640.791	1
5177_5178	5177	5178	115.344	-28.269	0	-0.0465	0.0015	614.5185	1
5178_5178	5178	5178	-108.035	-38.532	0	0.012	0.003	-607.146	1

5178_5179	5178	5179	117.1155	-31.602	0	-0.024	0.0045	605.451	1
5179_5179	5179	5179	-105.35	-46.044	0	0.018	-0.0015	-589.383	1
5179_5180	5179	5180	114.9165	-24.8505	0	-0.027	0.009	567.315	1
5180_5180	5180	5180	-97.1745	-54.144	0	-0.045	-0.006	-533.522	1
5180_5181	5180	5181	108.609	-18.9525	-0.003	0.036	-0.006	502.65	1
5181_5181	5181	5181	-82.896	-54.585	0	0.0225	-0.0015	-435.836	1
5181_5182	5181	5182	103.29	-18.969	0.0015	-0.0285	-0.0045	443.814	1
5182_5182	5182	5182	-70.467	-62.4645	0.0015	-0.0165	0.0015	-345.678	1
5182_5183	5182	5183	94.32	-13.566	-0.0015	0.0285	-0.0195	365.43	1
5183_5183	5183	5183	-53.4855	-70.4655	0	0.0075	0.0165	-224.154	1
5183_5184	5183	5184	81.9735	-8.4165	0.0015	-0.0135	-0.0075	255.5865	1
5184_5184	5184	5184	-15.375	-3.7725	0	-0.0105	0.048	-163.394	1
5184_5185	5184	5185	-13.254	-77.5755	0	0.0075	0.0105	169.5435	1
5185_5185	5185	5185	-17.217	-9.207	0.0015	0.018	-0.009	-306.386	1
5185_5186	5185	5186	13.416	-66.4935	-0.0015	0.006	0.0045	366.42	1
5186_5186	5186	5186	-40.1475	-12.453	0.0015	-0.009	0.003	-479.115	1
5186_5187	5186	5187	48.066	-62.184	-0.003	0.012	-0.024	548.601	1
5187_5187	5187	5187	-74.6145	-20.8695	0.0015	0.015	0.0225	-606.717	1
5187_5188	5187	5188	77.379	-52.4445	-0.003	-0.0075	-0.051	610.989	1
5188_5188	5188	5188	-93.1845	-19.7325	0	0.0045	0.0465	-675.602	1
5188_5189	5188	5189	96.3075	-56.5065	-0.0015	-0.006	-0.063	701.9505	1
5189_5189	5189	5189	-108.636	-25.827	0	0.003	0.0495	-755.723	1
5189_5190	5189	5190	112.7505	-44.628	-0.0015	-0.003	-0.0855	792.564	1
5190_5190	5190	5190	-116.619	-24.633	0.0015	0.0045	0.063	-812.048	1
5190_5191	5190	5191	127.1265	-47.6175	-0.0015	-0.0045	-0.1065	876.564	1
5191_5191	5191	5191	-127.476	-33.228	0.0015	0.0045	0.0885	-880.088	1
5191_5192	5191	5192	130.02	-38.1855	-0.0015	-0.0045	-0.1275	892.8255	1
5192_5192	5192	5192	-129.876	-29.832	0	0.006	0.1125	-895.041	1
5192_5193	5192	5193	137.154	-42.4215	0	-0.006	-0.1365	934.8945	1
5193_5193	5193	5193	-136.374	-38.115	0	0.006	0.117	-933.102	1
5193_5194	5193	5194	135.018	-33.957	-0.0015	-0.0045	-0.1455	922.383	1
5194_5194	5194	5194	-134.162	-33.96	0.0015	0.006	0.1245	-918.854	1
5194_5195	5194	5195	137.9205	-38.274	-0.003	-0.0045	-0.174	939.756	1
5195_5195	5195	5195	-136.767	-42.429	0.0015	0.006	0.15	-933.279	1
5195_5196	5195	5196	132.432	-30.0885	-0.003	-0.0045	-0.2025	906.558	1
5196_5196	5196	5196	-130.097	-38.4405	0.0015	0.0045	0.18	-893.139	1
5196_5197	5196	5197	131.3775	-33.603	-0.0015	-0.003	-0.216	898.3365	1
5197_5197	5197	5197	-127.575	-47.805	0.0015	0.0045	0.207	-878.166	1
5197_5198	5197	5198	122.016	-25.1745	-0.0015	-0.003	-0.225	838.146	1
5198_5198	5198	5198	-113.961	-45.0675	0.0015	0.003	0.2295	-797.684	1
5198_5199	5198	5199	115.95	-26.478	-0.0015	-0.0015	-0.243	792.378	1
5199_5199	5199	5199	-98.274	-57.006	0.0015	0	0.2715	-707.919	1
5199_5200	5199	5200	100.7535	-20.5515	-0.0015	0.0015	-0.2625	712.2525	1
5200_5200	5200	5200	-80.7285	-53.652	0	-0.0045	0.291	-624.392	1
5200_5201	5200	5201	82.23	-21.198	0	0.0075	-0.2475	647.2395	1
5201_5201	5201	5201	-49.6365	-63.336	0.0015	-0.0045	0.4485	-584.801	1
5201_5202	5201	5202	44.9685	-13.0515	0	0.0045	-0.3375	539.928	1
5202_5202	5202	5202	-17.157	-67.962	0.0015	-0.0075	0.441	-409.223	1
5202_5203	5202	5203	21.6375	-9.765	-0.0015	0.0315	-0.3195	363.2685	1
5203_5203	5203	5203	8.544	-78.636	0.003	-0.0165	0.4425	-216.432	1
5203_5204	5203	5204	2.859	-3.873	-0.003	0.0135	-0.291	139.773	1
5204_5204	5204	5204	-88.1715	-10.0965	-0.0105	-0.021	0.6855	-308.706	1
5204_5205	5204	5205	58.485	-71.8935	0.006	0.0105	-0.3165	261.0015	1
5205_5205	5205	5205	-100.106	-15	-0.012	0.03	0.4665	-424.331	1
5205_5206	5205	5206	75.33	-64.3695	0.0075	-0.0165	-0.171	389.577	1
5206_5206	5206	5206	-108.309	-20.043	-0.0075	-0.0345	0.345	-501.641	1
5206_5207	5206	5207	87.906	-56.9715	0.0045	0.027	-0.0945	484.8285	1
5207_5207	5207	5207	-113.367	-20.2815	-0.006	-0.003	0.255	-561.117	1
5207_5208	5207	5208	102.105	-56.0355	0.0015	0	-0.0465	586.2885	1
5208_5208	5208	5208	-119.208	-25.836	-0.006	-0.003	0.183	-625.31	1

5208_5209	5208	5209	110.9475	-48.339	0.0015	0	-0.009	648.003	1
5209_5209	5209	5209	-121.533	-32.16	-0.0045	-0.0015	0.12	-665.102	1
5209_5210	5209	5210	114.879	-41.112	0	0	0.0165	672.816	1
5210_5210	5210	5210	-120.564	-29.8485	-0.003	-0.054	0.072	-678.584	1
5210_5211	5210	5211	120.6795	-45.858	-0.0015	0.0615	0.024	707.3565	1
5211_5211	5211	5211	-122.516	-34.644	-0.0045	0.06	0.045	-703.599	1
5211_5212	5211	5212	123.4155	-40.257	0	-0.0615	0.0315	719.292	1
5212_5212	5212	5212	-122.852	-39.945	-0.0015	-0.06	0.012	-714.816	1
5212_5213	5212	5213	123.417	-34.941	-0.003	0.06	0.021	710.6415	1
5213_5213	5213	5213	-120.48	-45.5355	-0.003	0.0615	-0.0015	-705.56	1
5213_5214	5213	5214	121.77	-30.1275	-0.0015	-0.0555	0.015	688.0485	1
5214_5214	5214	5214	-115.062	-40.9305	0.0015	0.0285	-0.015	-673.781	1
5214_5215	5214	5215	123.0945	-32.4225	-0.0015	-0.0435	0.009	677.6025	1
5215_5215	5215	5215	-111.539	-48.135	0.0045	-0.048	0.006	-651.966	1
5215_5216	5215	5216	121.089	-26.0925	-0.0045	0.042	-0.0225	640.7595	1
5216_5216	5216	5216	-103.13	-55.809	0.003	0.027	0.0405	-593.418	1
5216_5217	5216	5217	115.5015	-20.5215	-0.0015	-0.036	-0.048	579.1965	1
5217_5217	5217	5217	-89.3685	-56.9175	-0.009	0.0105	0.06	-495.252	1
5217_5218	5217	5218	110.5515	-20.187	-0.0015	-0.144	-0.0675	521.5395	1
5218_5218	5218	5218	-77.0835	-64.2855	-0.003	0.0075	0.0045	-402.39	1
5218_5219	5218	5219	102.42	-15.1395	-0.0075	-0.0945	-0.129	445.8375	1
5219_5219	5219	5219	-60.9405	-71.6865	0.0135	-0.1575	0.03	-273.819	1
5219_5220	5219	5220	90.804	-10.2015	-0.0285	0.1425	-0.399	330.189	1
5220_5220	5220	5220	-5.3235	-4.362	-0.0015	0.048	0.12	-172.871	1
5220_5221	5220	5221	-3.7575	-78.9675	0.0015	-0.102	-0.0615	271.9665	1
5221_5221	5221	5221	-25.3245	-10.0845	-0.006	-0.0645	0.093	-395.978	1
5221_5222	5221	5222	24.7125	-68.664	0.0045	-0.048	-0.0345	473.742	1
5222_5222	5222	5222	-50.3505	-13.4355	0.0105	0.132	-0.0285	-575.136	1
5222_5223	5222	5223	60.993	-64.1865	-0.003	-0.2175	-0.153	661.224	1
5223_5223	5223	5223	-90.2085	-21.27	0.0015	-0.1245	0.0555	-684.302	1
5223_5224	5223	5224	95.9175	-54.732	0.003	0.0435	-0.1125	704.343	1
5224_5224	5224	5224	-111.368	-20.9295	0.006	0.156	0.084	-758.966	1
5224_5225	5224	5225	114.801	-58.0035	-0.0075	-0.2025	-0.1935	791.808	1
5225_5225	5225	5225	-118.56	-26.802	0.0015	-0.132	0.141	-878.855	1
5225_5226	5225	5226	123.09	-45.3255	-0.0015	0.0465	-0.258	933.588	1
5226_5226	5226	5226	-127.139	-27.3705	0.003	0.198	0.2145	-947.333	1
5226_5227	5226	5227	135.6435	-47.4855	-0.0075	-0.288	-0.351	1014.56	1
5227_5227	5227	5227	-136.338	-36.1365	-0.0015	-0.2445	0.285	-1012.73	1
5227_5228	5227	5228	136.734	-37.9965	-0.0015	0.1575	-0.384	1021.791	1
5228_5228	5228	5228	-136.958	-33.735	0.006	0.2085	0.306	-1020.03	1
5228_5229	5228	5229	141.3885	-40.5765	-0.012	-0.3	-0.5385	1051.044	1
5229_5229	5229	5229	-140.816	-43.005	0.0015	-0.249	0.432	-1046.56	1
5229_5230	5229	5230	135.1605	-31.3965	-0.006	0.165	-0.6315	1009.361	1
5230_5230	5230	5230	-133.602	-40.9455	0.012	0.1425	0.51	-1001.43	1
5230_5231	5230	5231	132.768	-33.1155	-0.0105	-0.2265	-0.774	989.421	1
5231_5231	5231	5231	-129.168	-50.826	0.006	-0.18	0.7005	-973.533	1
5231_5232	5231	5232	121.032	-24.393	-0.006	0.1095	-0.8415	906.1575	1
5232_5232	5232	5232	-112.698	-50.679	-0.003	0.0945	0.822	-867.965	1
5232_5233	5232	5233	115.2705	-26.9895	0.009	-0.1785	-0.732	860.6685	1
5233_5233	5233	5233	-101.54	-58.302	-0.0105	-0.012	1.233	-802.671	1
5233_5234	5233	5234	105.3435	-22.1025	0.0165	-0.021	-1.0095	808.1355	1
5234_5234	5234	5234	-87.285	-64.209	-0.0195	-0.159	1.131	-728.168	1
5234_5235	5234	5235	89.1195	-17.2005	0.021	0.123	-0.8325	729.519	1
5235_5235	5235	5235	-66.48	-64.824	0.1275	0.066	0.942	-626.696	1
5235_5236	5235	5236	78.4245	-18.3555	-0.1305	-0.1455	-1.527	682.9785	1
5236_5236	5236	5236	-39.336	-69.2775	0.1965	-0.102	2.52	-622.77	1
5236_5237	5236	5237	47.7225	-14.022	-0.1875	0.036	-3.9585	651.0765	1
5237_5237	5237	5237	-18.4485	-76.1235	0.1935	-0.351	4.2015	-485.699	1
5237_5238	5237	5238	34.6395	-10.7835	-0.171	0.3045	-4.9635	552.996	1
5238_5238	5238	5238	-3.0015	-61.3695	-0.2235	0.0855	5.5305	-354	1

5238_5239	5238	5239	23.7315	-18.2025	0.2205	-0.249	-2.46	466.6125	1
5239_5239	5239	5239	11.022	-68.1735	-0.237	-0.111	3.201	-255.777	1
5239_5240	5239	5240	10.7325	-12.1335	0.21	-0.009	0.0585	324.498	1
5240_5240	5240	5240	-107.847	-17.2455	0.141	-0.0015	-1.1265	-491.322	1
5240_5241	5240	5241	84.2445	-58.4595	-0.132	-0.0915	-0.3015	452.334	1
5241_5241	5241	5241	-117.327	-26.0565	0.1605	-0.345	0.486	-597.093	1
5241_5242	5241	5242	89.214	-53.172	-0.126	0.186	-0.9555	496.404	1
5242_5242	5242	5242	-118.562	-30.8895	0.1665	-0.402	1.3965	-624.593	1
5242_5243	5242	5243	91.7505	-47.6985	-0.117	0.1725	-1.5705	526.263	1
5243_5243	5243	5243	-116.699	-19.518	-0.111	0.144	2.4105	-631.812	1
5243_5244	5243	5244	109.59	-59.5185	0.0645	-0.243	-0.5775	676.107	1
5244_5244	5244	5244	-124.298	-25.761	-0.0885	-0.207	1.239	-723.621	1
5244_5245	5244	5245	121.1175	-50.5035	0.039	0.0915	0.0585	767.778	1
5245_5245	5245	5245	-127.706	-28.7805	-0.0345	0.18	0.321	-779.274	1
5245_5246	5245	5246	130.5495	-46.5765	0.012	-0.294	0.3375	835.164	1
5246_5246	5246	5246	-131.565	-36.5715	-0.015	-0.237	-0.0555	-831.9	1
5246_5247	5246	5247	133.077	-38.4525	-0.0045	0.1335	0.4065	841.3425	1
5247_5247	5247	5247	-130.523	-38.556	-0.027	0.165	-0.213	-836.738	1
5247_5248	5247	5248	135.4665	-36.78	0.024	-0.2835	0.7185	839.8755	1
5248_5248	5248	5248	-129.311	-46.512	-0.015	-0.2145	-0.492	-832.857	1
5248_5249	5248	5249	133.3575	-28.95	0.006	0.1065	0.867	792.4545	1
5249_5249	5249	5249	-121.067	-50.7075	-0.018	0.081	-0.69	-766.239	1
5249_5250	5249	5250	131.0625	-25.878	0.018	-0.192	1.095	738.078	1
5250_5250	5250	5250	-110.423	-59.9355	-0.009	-0.1665	-0.9435	-672.713	1
5250_5251	5250	5251	125.352	-20.016	-0.0045	0.093	1.032	657.642	1
5251_5251	5251	5251	-94.554	-48.5385	0.1485	0.111	-1.0965	-530.825	1
5251_5252	5251	5252	127.9725	-32.217	-0.1605	-0.2325	0.0045	655.704	1
5252_5252	5252	5252	-93.036	-53.49	0.1665	0.036	-0.165	-504.527	1
5252_5253	5252	5253	127.848	-27.264	-0.162	-0.063	-1.0185	633.9435	1
5253_5253	5253	5253	-90.018	-58.7235	0.18	-0.1365	0.9345	-456.906	1
5253_5254	5253	5254	123.9885	-20.5185	-0.1545	0.1815	-2.328	565.2135	1
5254_5254	5254	5254	-17.754	-26.4105	0.2565	0.1995	2.253	-376.178	1
5254_5255	5254	5255	-12.621	-63.1395	-0.1455	-0.8595	-1.602	170.697	1
5255_5255	5255	5255	-17.778	-13.038	-0.2355	0.12	2.898	-392.378	1
5255_5256	5255	5256	1.704	-67.761	0.174	-0.0705	1.2105	343.122	1
5256_5256	5256	5256	-34.209	-20.394	-0.2385	-0.237	-0.324	-549.341	1
5256_5257	5256	5257	13.7895	-60.7905	0.1635	0.042	2.838	421.491	1
5257_5257	5257	5257	-45.102	-11.7	0.0915	0.2505	-2.664	-616.802	1
5257_5258	5257	5258	29.907	-76.4385	-0.0855	-0.3255	2.253	548.1675	1
5258_5258	5258	5258	-58.911	-14.7675	0.087	0.0765	-2.139	-707.415	1
5258_5259	5258	5259	49.2855	-70.641	-0.0765	-0.171	1.617	667.515	1
5259_5259	5259	5259	-89.475	-18.357	0.0495	-0.1305	-0.9885	-722.754	1
5259_5260	5259	5260	83.2815	-64.434	-0.0435	0.039	0.6165	692.6265	1
5260_5260	5260	5260	-105.542	-18.4455	0.0345	0.204	-0.639	-786.896	1
5260_5261	5260	5261	99.21	-65.4525	-0.0435	-0.2505	0.324	767.6145	1
5261_5261	5261	5261	-118.157	-22.149	0.0315	-0.0045	-0.441	-845.886	1
5261_5262	5261	5262	113.4525	-60.114	-0.0345	-0.039	0.0465	842.8575	1
5262_5262	5262	5262	-132.482	-26.43	0.024	-0.075	-0.165	-842.409	1
5262_5263	5262	5263	132.369	-50.1915	-0.021	0.0045	-0.2835	873.9285	1
5263_5263	5263	5263	-141.125	-26.4555	0.0075	0.117	0.1935	-901.758	1
5263_5264	5263	5264	146.4555	-50.6385	-0.015	-0.174	-0.459	958.1325	1
5264_5264	5264	5264	-151.103	-34.3245	0.006	-0.1005	0.3285	-966.456	1
5264_5265	5264	5265	150.03	-41.6535	-0.012	0.0435	-0.621	982.548	1
5265_5265	5265	5265	-153.519	-33.1275	0.0135	0.1605	0.468	-986.784	1
5265_5266	5265	5266	156	-43.1595	-0.021	-0.2295	-0.873	1019.735	1
5266_5266	5266	5266	-158.192	-41.7345	0.009	-0.1605	0.711	-1018.82	1
5266_5267	5266	5267	151.6185	-34.674	-0.0135	0.0945	-1.0455	997.2405	1
5267_5267	5267	5267	-152.799	-40.0815	0.015	0.1755	0.906	-993.234	1
5267_5268	5267	5268	150.6435	-36.246	-0.015	-0.2535	-1.212	991.974	1
5268_5268	5268	5268	-149.897	-48.885	0.0075	-0.198	1.1475	-981.207	1

5268_5269	5268	5269	141.282	-28.2165	-0.006	0.129	-1.2585	936.4815	1
5269_5269	5269	5269	-136.52	-48.219	0.0225	0.1425	1.2705	-909.381	1
5269_5270	5269	5270	137.067	-30.843	-0.0135	-0.2205	-1.347	908.49	1
5270_5270	5270	5270	-128.217	-55.0515	0.0165	-0.0435	1.479	-864.599	1
5270_5271	5270	5271	128.097	-24.8805	-0.0075	0	-1.365	851.742	1
5271_5271	5271	5271	-105.323	-62.4435	0.015	-0.27	2.1525	-859.563	1
5271_5272	5271	5272	108.9315	-21.0615	-0.0045	0.2055	-1.7955	870.507	1
5272_5272	5272	5272	-90.87	-61.218	0.0915	0.105	2.199	-783.087	1
5272_5273	5272	5273	96.666	-21.7095	-0.0915	-0.201	-2.349	816.513	1
5273_5273	5273	5273	-73.4745	-66.6465	0.0915	-0.0525	2.787	-705.521	1
5273_5274	5273	5274	82.0635	-17.9115	-0.084	0.0015	-2.7885	754.0305	1
5274_5274	5274	5274	-43.437	-71.739	0.138	-0.4485	5.259	-685.094	1
5274_5275	5274	5275	45.414	-12.9615	-0.1095	0.342	-5.247	682.083	1
5275_5275	5275	5275	-14.2365	-60.276	-0.342	-0.108	6.669	-489.341	1
5275_5276	5275	5276	33.537	-21.312	0.411	-0.1545	-0.6585	613.5645	1
5276_5276	5276	5276	-0.3195	-67.515	-0.381	-0.312	2.7495	-410.255	1
5276_5277	5276	5277	20.949	-15.87	0.4065	0.132	3.7125	506.3895	1
5277_5277	5277	5277	12.147	-62.196	0.12	-0.1305	-1.575	-290.292	1
5277_5278	5277	5278	15.7905	-22.7925	-0.3255	0.51	1.44	446.1615	1
5278_5278	5278	5278	-126.111	-25.197	0.093	0.1635	-0.312	-640.683	1
5278_5279	5278	5279	90.4635	-53.8875	-0.1695	-0.324	-0.2355	486.9075	1
5279_5279	5279	5279	-127.098	-32.172	0.123	-0.1155	0.4965	-661.608	1
5279_5280	5279	5280	93.084	-48.657	-0.162	-0.0885	-1.191	506.3835	1
5280_5280	5280	5280	-124.643	-23.208	-0.0795	0.132	1.368	-659.949	1
5280_5281	5280	5281	105.9495	-52.1355	0.06	-0.1665	-0.2505	613.689	1
5281_5281	5281	5281	-128.193	-31.407	-0.0675	-0.1215	0.4665	-718.769	1
5281_5282	5281	5282	110.52	-41.0775	0.039	0.039	0.402	647.1195	1
5282_5282	5282	5282	-108.051	-30.7245	-0.0435	0.204	-1.107	-777.986	1
5282_5283	5282	5283	103.9125	-41.946	-0.0555	-0.324	0.648	762.8385	1
5283_5283	5283	5283	-106.769	-41.088	0.012	-0.3465	-1.3845	-799.871	1
5283_5284	5283	5284	104.934	-32.409	-0.1185	0.1875	-0.9195	736.0575	1
5284_5284	5284	5284	-99.2385	-35.964	0.084	0.1365	-0.7365	-736.488	1
5284_5285	5284	5285	112.1985	-36.105	-0.0285	-0.2685	-1.6815	760.5765	1
5285_5285	5285	5285	-98.727	-46.023	0.1005	-0.24	0.636	-730.001	1
5285_5286	5285	5286	114.0765	-27.915	-0.042	0.1365	-2.1975	723.012	1
5286_5286	5286	5286	-92.7795	-42.6555	-0.216	0.174	1.9485	-653.22	1
5286_5287	5286	5287	121.6905	-31.206	0.162	-0.4365	-0.057	731.988	1
5287_5287	5287	5287	-91.185	-52.9815	-0.1905	-0.2325	-0.4185	-604.842	1
5287_5288	5287	5288	122.1645	-22.668	0.045	0.1275	0.2415	669.132	1
5288_5288	5288	5288	-83.868	-48.7125	0.5295	0.627	-2.4285	-480.306	1
5288_5289	5288	5289	125.58	-36.5685	-0.4275	-0.6525	-1.794	682.707	1
5289_5289	5289	5289	-84.9	-51.8685	0.573	0.552	-0.1515	-474.896	1
5289_5290	5289	5290	131.4765	-29.7255	-0.3975	-0.3915	-6.132	702.246	1
5290_5290	5290	5290	-18.4815	-18.387	1.2705	-1.0515	0.9615	-461.516	1
5290_5291	5290	5291	14.7615	-66.606	-0.7845	0.5265	-9.3075	505.6725	1
5291_5291	5291	5291	-28.6125	-15.1035	-0.969	0.372	13.626	-600.135	1
5291_5292	5291	5292	33.549	-68.268	0.7185	-0.3405	0.132	714.0375	1
5292_5292	5292	5292	-44.2335	-21.984	-0.9555	-0.4965	2.517	-770.057	1
5292_5293	5292	5293	49.8765	-60.666	0.6615	0.3135	6.921	847.452	1
5293_5293	5293	5293	-56.6475	-15.9555	0.18	0.519	-7.014	-879.968	1
5293_5294	5293	5294	65.151	-70.056	-0.1335	-0.756	5.832	999.6585	1
5294_5294	5294	5294	-81.2055	-20.4045	0.114	0.0285	-3.9315	-932.765	1
5294_5295	5294	5295	91.8075	-63.312	-0.0825	-0.111	3.183	1044.863	1
5295_5295	5295	5295	-92.688	-25.8735	0.108	-0.357	-3.159	-1037	1
5295_5296	5295	5296	102.21	-56.826	-0.075	0.2355	2.4405	1148.873	1
5296_5296	5296	5296	-100.418	-21.882	0.069	0.351	-2.3595	-1121.6	1
5296_5297	5296	5297	108.6705	-64.89	-0.075	-0.459	2.091	1218.153	1
5297_5297	5297	5297	-90.5445	-24.777	0.108	0.264	-3.2415	-1271.35	1
5297_5298	5297	5298	102.8955	-57.918	-0.1065	-0.405	2.0835	1446.323	1
5298_5298	5298	5298	-99.1935	-31.3335	0.114	-0.612	-2.2755	-1389.79	1

5298_5299	5298	5299	108.8685	-50.871	-0.093	0.471	1.1565	1526.829	1
5299_5299	5299	5299	-104.621	-26.5275	0.0015	0.7725	-1.203	-1464.59	1
5299_5300	5299	5300	119.2335	-54.6405	-0.0045	-1.053	1.1145	1665.911	1
5300_5300	5300	5300	-115.013	-34.7475	-0.0075	-0.8235	-1.164	-1605.29	1
5300_5301	5300	5301	123.2415	-45.3045	0.0015	0.6315	1.1025	1720.311	1
5301_5301	5301	5301	-120.305	-30.9735	0.033	0.807	-1.224	-1677.53	1
5301_5302	5301	5302	129.873	-49.5645	-0.03	-1.0605	0.687	1809.363	1
5302_5302	5302	5302	-128.445	-40.023	0.0255	-0.9795	-0.7785	-1787.3	1
5302_5303	5302	5303	129.483	-40.9875	-0.021	0.7605	0.4185	1804.467	1
5303_5303	5303	5303	-129.666	-34.881	0.0135	0.93	-0.4605	-1804.74	1
5303_5304	5303	5304	132.0675	-45.2415	-0.006	-1.1655	0.336	1838.34	1
5304_5304	5304	5304	-134.213	-44.328	0.003	-1.2	-0.2925	-1866.37	1
5304_5305	5304	5305	127.797	-37.011	0.0045	0.9195	0.39	1779.995	1
5305_5305	5305	5305	-131.859	-38.421	0.036	0.789	-0.288	-1835.8	1
5305_5306	5305	5306	126.117	-41.772	-0.0285	-0.921	0.069	1754.316	1
5306_5306	5306	5306	-132.798	-47.2575	0.0285	-0.795	0.0915	-1848.65	1
5306_5307	5306	5307	116.706	-32.4345	-0.0195	0.552	-0.141	1623.414	1
5307_5307	5307	5307	-126.596	-42.369	0.0165	0.8955	0.357	-1765.75	1
5307_5308	5307	5308	107.967	-35.1	-0.0075	-0.936	-0.177	1498.275	1
5308_5308	5308	5308	-123.035	-51.4665	0.0075	-0.9045	0.4515	-1716.86	1
5308_5309	5308	5309	88.7505	-24.186	0	0.5295	-0.1095	1229.015	1
5309_5309	5309	5309	-111.257	-48.6735	0.003	0.675	0.4245	-1556.9	1
5309_5310	5309	5310	67.2225	-21.4215	0.018	-0.531	0.174	926.5365	1
5310_5310	5310	5310	-99.1845	-59.247	-0.021	-0.6915	0.1215	-1390.67	1
5310_5311	5310	5311	45.7755	-12.222	0.0165	0.261	0.3765	629.6535	1
5311_5311	5311	5311	-76.032	-63.813	0.024	0.2835	-0.4785	-1073.8	1
5311_5312	5311	5312	25.7625	-7.695	-0.009	-0.222	0.0915	353.7585	1
5312_5312	5312	5312	-41.7045	-78.2865	0.021	-0.4605	-0.2325	-603.18	1
5312_5313	5312	5313	2.52	-3.3495	-0.2235	-0.0555	0	9.531	1
5400_5020	5400	5020	42.792	-24.9345	0.1995	0.0015	-3.354	-601.008	1
5400_5401	5400	5401	-26.7675	-1.6305	-0.228	-0.0045	-2.0475	-136.647	1
5401_5401	5401	5401	37.395	-19.8795	0.2055	0.609	-2.1645	-511.769	1
5401_5402	5401	5402	-24.3465	-1.7655	0.0885	0.147	-1.578	-125.865	1
5402_5402	5402	5402	37.8615	-18.9765	0.144	-0.1965	-1.6785	-442.421	1
5402_5403	5402	5403	-34.1235	-2.4525	0.156	-0.0615	-0.1845	-115.635	1
5403_5403	5403	5403	29.7975	-14.208	0.024	0.051	-0.228	-239.921	1
5403_5404	5403	5404	-43.797	-3.6675	-0.009	0.027	-0.3135	-96.8925	1
5404_5404	5404	5404	30.114	-13.524	0.003	-0.0555	-0.0975	-137.538	1
5404_5405	5404	5405	-49.3935	-4.752	0.0285	-0.0435	-0.159	-67.4685	1
5405_5405	5405	5405	26.2695	-10.662	0.0195	-0.0015	-0.084	-36.735	1
5405_5406	5405	5406	-59.844	-6.705	0.0135	-0.0075	0.0105	23.8275	1
5406_5406	5406	5406	24.525	-9.1995	-0.0135	-0.1095	0.2355	121.158	1
5406_5407	5406	5407	-67.122	-9.0525	-0.051	-0.066	-0.4545	99.4365	1
5407_5407	5407	5407	24.426	-8.685	-0.0435	0.1815	0.249	203.5605	1
5407_5408	5407	5408	-66.9165	-10.461	0.0525	0.0885	-0.099	157.5435	1
5408_5408	5408	5408	28.6575	-13.8285	0.0495	0.0285	0.1755	221.037	1
5408_5409	5408	5409	-6.1575	-0.2115	0.06	-0.0045	-0.0345	25.6515	1
5409_5409	5409	5409	-14.9985	-0.1995	0.066	-0.0105	0.1215	54.2475	1
5409_5410	5409	5410	-26.541	-13.638	0.1035	-0.0195	0.618	-224.394	1
5410_5410	5410	5410	74.616	-10.9185	0.021	-0.0645	-0.672	-157.788	1
5410_5411	5410	5411	-24.1785	-8.5965	-0.024	-0.1275	0.4995	-202.715	1
5411_5411	5411	5411	72.5505	-9.363	0.099	0.048	-0.576	-99.279	1
5411_5412	5411	5412	-24.0615	-9.102	-0.045	0.069	0.0165	-121.775	1
5412_5412	5412	5412	74.9055	-7.023	-0.018	0.0075	0.357	-18.366	1
5412_5413	5412	5413	-24.5895	-10.482	-0.0195	-0.0015	-0.2085	31.947	1
5413_5413	5413	5413	78.1995	-4.89	-0.042	0.054	0.0975	81.1335	1
5413_5414	5413	5414	-27.405	-13.1835	0.0225	0.0525	-0.1035	132.2415	1
5414_5414	5414	5414	72.0645	-3.192	0.0225	-0.036	-0.1515	111.2475	1
5414_5415	5414	5415	-30.453	-13.854	0.003	-0.057	-0.042	233.5845	1
5415_5415	5415	5415	68.286	-1.404	-0.132	-0.1125	0.051	122.076	1

5415_5416	5415	5416	-37.908	-18.528	0.183	-0.3375	1.842	430.4775	1
5416_5416	5416	5416	4.3035	-0.3315	-0.06	0.0645	-0.4605	20.997	1
5416_5417	5416	5417	-38.586	-19.4625	0.297	1.062	2.5125	496.6545	1
5417_5417	5417	5417	4.5345	-0.2955	-0.1455	-0.003	-0.678	22.512	1
5417_5036	5417	5036	-44.598	-24.3945	0.1605	0.0135	3.591	580.3785	1
5420_5056	5420	5056	44.376	-23.076	0.1605	0.003	-2.2395	-523.644	1
5420_5421	5420	5421	-21.1995	-0.7245	-0.1575	-0.003	-1.4115	-88.5555	1
5421_5421	5421	5421	38.688	-17.94	0.114	0.1515	-1.32	-441.999	1
5421_5422	5421	5422	-19.0995	-0.8505	0.084	0.015	-0.9765	-81.306	1
5422_5422	5422	5422	39.1065	-17.007	0.0945	-0.0495	-0.9825	-379.446	1
5422_5423	5422	5423	-28.9425	-1.4115	0.114	-0.012	0.066	-83.301	1
5423_5423	5423	5423	30.492	-12.3405	0.015	0.0435	-0.0375	-200.168	1
5423_5424	5423	5424	-38.9565	-2.4315	-0.027	0.0225	-0.1365	-75.093	1
5424_5424	5424	5424	27.7035	-11.6265	-0.0045	-0.0465	0.027	-110.366	1
5424_5425	5424	5425	-73.8765	-3.804	0.045	-0.03	-0.0705	-71.772	1
5425_5425	5425	5425	25.254	-9.003	0.012	-0.0015	-0.0285	-23.058	1
5425_5426	5425	5426	-70.3455	-5.733	0.0165	0.0045	0.156	9.2745	1
5426_5426	5426	5426	24.84	-7.629	0.0075	-0.141	0.138	108.4785	1
5426_5427	5426	5427	-67.7325	-7.905	-0.0945	-0.06	-0.654	77.3715	1
5427_5427	5427	5427	24.9915	-7.119	-0.0405	0.2415	0.378	176.0115	1
5427_5428	5427	5428	-69.7275	-9.324	0.069	0.12	-0.195	127.2795	1
5428_5428	5428	5428	26.9265	-12.3555	0.024	-0.0075	0	196.2075	1
5428_5429	5428	5429	15.4395	-0.5595	0.0795	0.09	0.9045	-46.1985	1
5429_5429	5429	5429	-13.635	-0.4425	0.078	0.003	-0.0885	41.5395	1
5429_5430	5429	5430	-26.8665	-12.357	0.066	-0.0555	0.588	-195.75	1
5430_5430	5430	5430	68.3025	-8.871	0.1005	0.009	-1.0965	-117.995	1
5430_5431	5430	5431	-25.041	-7.074	-0.024	0.027	0.0735	-176.061	1
5431_5431	5431	5431	61.9305	-7.527	-0.084	-0.0195	0.747	-78.345	1
5431_5432	5431	5432	-24.882	-7.6125	-0.018	-0.0165	-0.0705	-108.608	1
5432_5432	5432	5432	52.818	-5.3565	0.009	-0.0075	-0.006	-17.283	1
5432_5433	5432	5433	-25.362	-8.955	0	-0.0015	-0.021	22.266	1
5433_5433	5433	5433	45.4485	-3.5985	-0.003	-0.0195	0.0825	56.5275	1
5433_5434	5433	5434	-27.849	-11.5515	-0.012	-0.0195	-0.1305	109.203	1
5434_5434	5434	5434	39.552	-2.6265	-0.0165	0.0075	0.048	77.4945	1
5434_5435	5434	5435	-30.612	-12.24	-0.003	0.021	-0.177	198.2235	1
5435_5435	5435	5435	27.5475	-1.551	0.06	0.03	-0.087	85.665	1
5435_5436	5435	5436	-39.213	-16.929	0.054	0.12	0.354	377.0865	1
5436_5436	5436	5436	18.606	-1.0035	0.0795	-0.1005	0.5505	86.4315	1
5436_5437	5436	5437	-38.805	-17.8455	0.009	-0.387	0.522	439.275	1
5437_5437	5437	5437	20.517	-0.87	-0.177	0	0.7875	94.008	1
5437_5072	5437	5072	-44.385	-23.0565	0.27	0.027	1.2735	521.112	1
5440_5094	5440	5094	43.386	-22.6155	0.0735	0.006	-1.1325	-504.09	1
5440_5441	5440	5441	-19.6785	-0.834	-0.108	0	-0.8985	-87.552	1
5441_5441	5441	5441	37.9275	-17.3445	0.084	0.291	-0.762	-423.53	1
5441_5442	5441	5442	-17.085	-0.933	0.0465	0.051	-0.6345	-79.0605	1
5442_5442	5442	5442	38.3325	-16.4295	0.048	-0.099	-0.5775	-362.999	1
5442_5443	5442	5443	-27.732	-1.4685	0.087	-0.027	0.0885	-81.9795	1
5443_5443	5443	5443	29.7855	-11.745	0.0225	0.063	-0.042	-189.515	1
5443_5444	5443	5444	-36.927	-2.478	-0.0345	0.0375	-0.1305	-72.7515	1
5444_5444	5444	5444	27.0765	-11.0715	-0.0075	-0.0645	0.0615	-104.195	1
5444_5445	5444	5445	-66.309	-3.519	0.048	-0.045	-0.0225	-65.895	1
5445_5445	5445	5445	24.7725	-8.532	-0.0045	0	-0.0015	-21.039	1
5445_5446	5445	5446	-64.512	-5.4	0.003	0.006	-0.024	9.9105	1
5446_5446	5446	5446	24.342	-7.23	0.0915	-0.0285	-0.042	103.6035	1
5446_5447	5446	5447	-64.3155	-7.4595	-0.0015	-0.0075	-0.033	73.1625	1
5447_5447	5447	5447	24.4245	-6.7275	0.0795	0.048	0.81	167.8425	1
5447_5448	5447	5448	-66.4095	-8.8005	0.036	0.0315	0.1695	119.8665	1
5448_5448	5448	5448	26.4525	-11.901	-0.006	0.1965	1.2915	186.4335	1
5448_5449	5448	5449	14.409	-0.4605	-0.0135	0.0315	-0.0045	-44.211	1
5449_5449	5449	5449	-10.8075	-0.3285	-0.003	-0.0375	0.3945	34.053	1

5449_5450	5449	5450	-25.95	-11.841	-0.009	0.1605	-1.0725	-186.534	1
5450_5450	5450	5450	65.2485	-8.679	0.066	-0.012	-0.8865	-117.605	1
5450_5451	5450	5451	-24.3135	-6.732	0.084	-0.036	-0.6195	-167.681	1
5451_5451	5451	5451	62.9865	-7.32	0.084	0.0165	-0.5445	-71.8395	1
5451_5452	5451	5452	-24.411	-7.248	0.078	0.0195	0.06	-102.525	1
5452_5452	5452	5452	64.32	-5.3235	-0.015	0.006	0.216	-9.2115	1
5452_5453	5452	5453	-24.471	-8.535	-0.0105	-0.0015	-0.0525	21.249	1
5453_5453	5453	5453	64.5345	-3.504	0.0195	-0.0015	-0.0105	64.518	1
5453_5454	5453	5454	-26.5545	-11.046	0.0015	-0.012	-0.051	104.3535	1
5454_5454	5454	5454	38.1435	-2.49	-0.0075	0	0.042	74.991	1
5454_5455	5454	5455	-29.1195	-11.712	0.006	0.009	-0.0195	189.6225	1
5455_5455	5455	5455	28.815	-1.458	0.0735	-0.024	-0.069	84.159	1
5455_5456	5455	5456	-37.4295	-16.3425	0.0465	-0.081	0.363	362.07	1
5456_5456	5456	5456	19.3665	-0.882	0.0435	0.045	0.603	83.316	1
5456_5457	5456	5457	-37.023	-17.244	0.0765	0.2565	0.537	422.241	1
5457_5457	5457	5457	21.993	-0.7545	-0.0645	-0.0015	0.861	91.6665	1
5457_5110	5457	5110	-42.372	-22.5495	0.0615	0.0015	0.9915	502.566	1
5460_5132	5460	5132	48.7695	-25.512	-0.7365	-0.0165	2.913	-561.23	1
5460_5461	5460	5461	-16.674	-2.358	0.192	0.0045	-0.579	-105.5	1
5461_5461	5461	5461	48.9525	-19.704	-0.0585	-0.276	-0.0315	-456.543	1
5461_5462	5461	5462	-14.004	-2.4195	0.06	-0.0735	-0.3255	-93.06	1
5462_5462	5462	5462	42.7005	-18.618	-0.0195	0.0885	-0.102	-400.073	1
5462_5463	5462	5463	-19.0065	-2.8065	0.051	0.021	0.2295	-69.513	1
5463_5463	5463	5463	34.6905	-13.23	-0.054	-0.1515	0.2145	-203.558	1
5463_5464	5463	5464	-25.164	-3.444	0.003	-0.0645	0.4305	-49.3185	1
5464_5464	5464	5464	34.014	-12.432	0.03	0.159	-0.063	-108.759	1
5464_5465	5464	5465	-30.45	-4.0845	-0.084	0.0705	-0.0645	-23.8395	1
5465_5465	5465	5465	27.2835	-9.4005	-0.0135	-0.0015	0.1215	-18.8865	1
5465_5466	5465	5466	-76.7805	-5.4975	0.0045	0.0045	-0.042	-15.9225	1
5466_5466	5466	5466	25.95	-7.8735	-0.045	0.123	-0.0195	117.1035	1
5466_5467	5466	5467	-78.9045	-8.073	0.0075	0.039	0.0195	51.225	1
5467_5467	5467	5467	25.194	-7.353	-0.0045	-0.213	-0.5775	187.0635	1
5467_5468	5467	5468	-81.5865	-9.7095	-0.1485	-0.0525	-0.8265	101.9595	1
5468_5468	5468	5468	63.4545	-14.4315	0.0465	-0.0165	0.033	116.9805	1
5468_5469	5468	5469	-11.304	-1.7985	0.024	-0.0105	-0.12	100.3125	1
5469_5469	5469	5469	-20.334	-1.89	0	0.0105	-0.0225	17.2005	1
5469_5470	5469	5470	-57.624	-14.0175	0.0375	-0.036	0.3735	-124.971	1
5470_5470	5470	5470	51.9495	-9.1935	0.0285	0.051	-0.156	-163.409	1
5470_5471	5470	5471	-23.703	-7.569	-0.0375	0.0885	0.0255	-183.341	1
5471_5471	5471	5471	50.844	-8.1165	-0.0135	-0.033	0.0405	-114.033	1
5471_5472	5471	5472	-24.0195	-8.07	-0.0225	-0.0495	-0.114	-111.633	1
5472_5472	5472	5472	46.938	-6.2445	0.015	-0.003	-0.1065	-44.769	1
5472_5473	5472	5473	-26.0805	-9.531	0.0075	0	0.0075	26.913	1
5473_5473	5473	5473	41.892	-4.6755	-0.012	-0.006	0.069	42.765	1
5473_5474	5473	5474	-29.8455	-12.309	0.003	-0.0045	0.0285	115.7115	1
5474_5474	5474	5474	37.0155	-3.7515	-0.0135	0	-0.015	72.9045	1
5474_5475	5474	5475	-30.42	-13.0095	0.0045	0.003	0.06	209.025	1
5475_5475	5475	5475	31.842	-2.7135	0.0585	0.0105	-0.087	95.6505	1
5475_5476	5475	5476	-38.241	-17.8905	-0.006	0.0315	0.084	398.6475	1
5476_5476	5476	5476	24.9645	-2.04	0.063	-0.0495	0.5085	114.615	1
5476_5477	5476	5477	-44.142	-18.8775	-0.0195	-0.1275	0.069	453.1575	1
5477_5477	5477	5477	26.259	-1.965	0.0915	0.0045	0.7125	123.945	1
5477_5148	5477	5148	-43.9305	-24.2115	-0.009	0.0015	-0.165	552.3	1
5480_5168	5480	5168	48.147	-24.9435	0.1245	0.021	0.4035	-572.771	1
5480_5481	5480	5481	-20.3025	-1.671	0.06	0.0075	-0.4035	-101.309	1
5481_5481	5481	5481	48.3315	-19.695	-0.111	-0.7455	0.48	-470.648	1
5481_5482	5481	5482	-18.4095	-1.7715	0.072	-0.1785	-0.234	-91.8945	1
5482_5482	5482	5482	42.033	-18.6195	-0.0105	0.2475	0.4125	-414.323	1
5482_5483	5482	5483	-25.4325	-2.304	0.021	0.06	0.093	-77.244	1
5483_5483	5483	5483	33.654	-13.68	-0.0315	-0.0855	0.219	-217.487	1

5483_5484	5483	5484	-33.303	-3.2055	0.018	-0.045	0.1665	-59.937	1
5484_5484	5484	5484	33.006	-12.909	0.0105	0.0885	0.051	-119.406	1
5484_5485	5484	5485	-37.3425	-4.0215	-0.0345	0.0405	-0.039	-33.6315	1
5485_5485	5485	5485	28.6185	-10.023	-0.0105	0	0.102	-26.4045	1
5485_5486	5485	5486	-42.7665	-5.5125	0.0105	-0.003	0.0735	43.47	1
5486_5486	5486	5486	25.512	-8.4795	-0.0285	0.0465	-0.0705	119.775	1
5486_5487	5486	5487	-47.892	-7.4115	-0.033	0.021	-0.2475	106.3665	1
5487_5487	5487	5487	25.6815	-7.953	-0.0135	-0.0885	-0.393	194.8605	1
5487_5488	5487	5488	-82.881	-9.0495	-0.057	-0.015	-0.213	82.032	1
5488_5488	5488	5488	62.5635	-14.8425	-0.003	-0.0315	-0.147	128.187	1
5488_5489	5488	5489	23.064	-1.95	-0.0045	0.0105	0.1335	-23.445	1
5489_5489	5489	5489	13.395	-1.7055	0	-0.0015	-0.072	-106.766	1
5489_5490	5489	5490	-65.0055	-15.3285	0.0555	0	0.1065	-132.116	1
5490_5490	5490	5490	84.2955	-8.916	0.0315	0.021	0.1125	-79.7655	1
5490_5491	5490	5491	-26.7795	-7.9425	-0.024	0.093	-0.1365	-197.216	1
5491_5491	5491	5491	44.3925	-7.4475	0.0105	-0.03	-0.0885	-114.861	1
5491_5492	5491	5492	-26.61	-8.49	-0.0075	-0.0495	-0.1335	-122.034	1
5492_5492	5492	5492	39.252	-5.733	-0.0015	-0.0015	0.0045	-52.2915	1
5492_5493	5492	5493	-30.03	-10.1175	0.015	0	0.1125	25.05	1
5493_5493	5493	5493	33.8505	-4.3995	0.024	-0.0435	-0.0105	27.4665	1
5493_5494	5493	5494	-34.74	-13.1145	-0.0075	-0.0885	0.081	119.3145	1
5494_5494	5494	5494	29.8485	-3.666	-0.024	0.0375	0.123	56.0955	1
5494_5495	5494	5495	-35.4255	-13.932	0.0375	0.0855	0.285	219.1995	1
5495_5495	5495	5495	22.131	-2.8695	0.0405	-0.063	-0.0075	76.131	1
5495_5496	5495	5496	-44.1075	-18.957	0.0015	-0.2475	0.39	419.994	1
5496_5496	5496	5496	17.019	-2.4105	-0.0075	0.177	0.318	99.732	1
5496_5497	5496	5497	-50.601	-20.1045	0.111	0.7545	0.4875	478.116	1
5497_5497	5497	5497	17.7075	-2.3235	0.045	-0.0045	0.414	109.221	1
5497_5184	5497	5184	-50.3925	-25.2615	-0.0435	-0.0225	0.7755	581.58	1
5500_5204	5500	5204	50.631	-25.4865	0.288	0.0135	-2.337	-614.675	1
5500_5501	5500	5501	-13.476	-0.4785	0.0915	0.0045	-1.3785	-60.9615	1
5501_5501	5501	5501	45.9255	-20.688	0.099	0.138	-0.7665	-522.08	1
5501_5502	5501	5502	-13.3005	-0.5835	0.099	-0.0075	-0.9765	-58.473	1
5502_5502	5502	5502	45.195	-19.5945	0.081	-0.033	-0.4455	-451.823	1
5502_5503	5502	5503	-20.946	-1.008	0.126	-0.009	0.192	-63.8445	1
5503_5503	5503	5503	36.7365	-14.8365	-0.0375	-0.102	0.303	-243.752	1
5503_5504	5503	5504	-71.2395	-2.532	0.0675	-0.057	0.228	-104.207	1
5504_5504	5504	5504	33.42	-14.0235	0.0075	0.0975	0.1065	-135.566	1
5504_5505	5504	5505	-81.513	-4.3035	-0.045	0.0975	-0.0015	-82.5615	1
5505_5505	5505	5505	30.021	-11.103	-0.015	-0.003	0.1125	-29.5455	1
5505_5506	5505	5506	-80.466	-6.5175	-0.0195	0.018	-0.273	7.4955	1
5506_5506	5506	5506	29.184	-9.4875	-0.0345	0.0465	-0.162	133.026	1
5506_5507	5506	5507	-77.052	-8.994	0.174	0.0465	1.3215	84.8325	1
5507_5507	5507	5507	29.2965	-8.886	-0.015	-0.102	-0.5325	217.3455	1
5507_5508	5507	5508	-79.713	-10.599	0.1155	-0.0405	1.956	140.493	1
5508_5508	5508	5508	31.365	-14.8845	0.1425	-0.0885	-0.9105	240.504	1
5508_5509	5508	5509	16.0965	-0.582	-0.0225	0.567	3.375	-41.2695	1
5509_5509	5509	5509	-16.578	-0.768	-0.243	0.576	-3.633	42.753	1
5509_5510	5509	5510	-30.807	-15.078	0.018	0.048	-0.246	-247.494	1
5510_5510	5510	5510	69.888	-9.816	0.1305	0.0855	-0.8295	-140.946	1
5510_5511	5510	5511	-29.7315	-8.9745	-0.0315	0.252	-0.477	-217.421	1
5511_5511	5511	5511	67.422	-8.397	-0.006	-0.075	-0.033	-89.991	1
5511_5512	5511	5512	-29.541	-9.585	0.0165	-0.144	-0.156	-132.558	1
5512_5512	5512	5512	59.142	-5.9415	0.021	-0.015	-0.108	-19.9575	1
5512_5513	5512	5513	-32.2335	-11.283	0.024	0.0015	0.1665	35.361	1
5513_5513	5513	5513	50.673	-3.9885	0.0165	-0.078	0.192	61.812	1
5513_5514	5513	5514	-37.026	-14.3445	-0.006	-0.1035	0.1665	141.678	1
5514_5514	5514	5514	43.9995	-2.9085	-0.051	0.0435	0.243	84.606	1
5514_5515	5514	5515	-36.69	-15.186	0.0405	0.099	0.3885	250.983	1
5515_5515	5515	5515	31.8135	-1.698	0.2685	-0.045	-0.087	94.644	1

5515_5516	5515	5516	-45.057	-19.995	0.0855	-0.207	1.341	465.0255	1
5516_5516	5516	5516	21.507	-1.0545	0.1815	0.0525	2.259	93.9	1
5516_5517	5516	5517	-45.75	-21.096	0.15	0.4755	1.6965	537.108	1
5517_5517	5517	5517	23.3265	-0.9	-0.45	-0.003	2.8125	101.6475	1
5517_5220	5517	5220	-51.951	-25.7505	0.306	0.111	1.539	628.4415	1
5520_5240	5520	5240	73.875	-29.361	-4.728	-0.2085	14.3655	-626.894	1
5520_5521	5520	5521	22.695	-2.5395	0.927	0.0105	-1.7595	43.521	1
5521_5521	5521	5521	57.6315	-19.761	1.2975	1.3185	-14.5605	-490.133	1
5521_5522	5521	5522	-14.5425	-0.7455	0.1605	0.186	-1.959	-66.1695	1
5522_5522	5522	5522	56.679	-18.3375	1.05	-0.279	-10.2735	-422.832	1
5522_5523	5522	5523	-25.6605	-1.2345	0.333	-0.069	0.489	-75.9105	1
5523_5523	5523	5523	49.8495	-14.9115	0.0135	0.222	1.2	-224.373	1
5523_5524	5523	5524	-74.01	-2.331	-0.252	0.207	0.669	-101.955	1
5524_5524	5524	5524	50.064	-13.7535	-0.135	-0.189	1.164	-116.859	1
5524_5525	5524	5525	-82.218	-4.1505	-0.015	-0.153	0.5805	-80.0055	1
5525_5525	5525	5525	46.206	-11.382	-0.213	-0.042	-0.1335	-10.8255	1
5525_5526	5525	5526	-83.2455	-6.4575	-0.1575	0.0135	-1.287	7.0365	1
5526_5526	5526	5526	45.513	-9.627	-0.0555	-0.219	-3.225	156.0255	1
5526_5527	5526	5527	-80.325	-9.117	0.9315	-0.003	7.341	84.903	1
5527_5527	5527	5527	45.705	-8.664	-0.102	0.1335	-3.588	241.314	1
5527_5528	5527	5528	-83.1015	-10.8705	1.0605	-0.066	13.5705	142.1955	1
5528_5528	5528	5528	43.776	-18.06	0.8505	-0.5325	-6.288	276.594	1
5528_5529	5528	5529	18.459	-0.6525	0.111	-0.2385	-2.0385	-53.931	1
5529_5529	5529	5529	-17.9445	-0.66	-0.4905	1.0995	-9.5025	50.2725	1
5529_5530	5529	5530	-50.055	-19.452	-0.669	0.816	-8.2065	-264.05	1
5530_5530	5530	5530	86.28	-10.464	-1.191	0.2955	18.441	-126.488	1
5530_5531	5530	5531	-48.144	-9.3705	-0.0675	0.321	-3.9195	-238.11	1
5531_5531	5531	5531	83.574	-8.6715	-1.38	-0.093	11.8725	-71.1135	1
5531_5532	5531	5532	-49.035	-10.371	0.087	-0.0885	-3.402	-143.921	1
5532_5532	5532	5532	60.5175	-6.075	0.1095	-0.0315	0.234	-16.518	1
5532_5533	5532	5533	-53.0655	-12.753	0.2325	0.0165	0.432	44.7195	1
5533_5533	5533	5533	50.403	-4.077	0.0345	-0.0585	1.809	65.9475	1
5533_5534	5533	5534	-55.872	-16.155	0.222	-0.0855	2.1585	162.7155	1
5534_5534	5534	5534	44.2635	-2.9775	0.0045	-0.0345	1.911	89.3145	1
5534_5535	5534	5535	-59.7435	-17.4885	0.2535	-0.021	3.9675	289.659	1
5535_5535	5535	5535	31.9635	-1.761	0.567	0.003	1.8615	99.084	1
5535_5536	5535	5536	-65.454	-21.936	0.3795	-0.069	7.848	524.442	1
5536_5536	5536	5536	23.7825	-1.104	0.4485	-0.177	6.453	102.0735	1
5536_5537	5536	5537	-64.9155	-23.4795	0.366	-0.378	9.153	606.2565	1
5537_5537	5537	5537	26.7225	-1.0305	-0.708	-0.1905	8.949	111.939	1
5537_5254	5537	5254	-68.8185	-26.8695	-0.861	-0.1065	5.931	707.2575	1
5540_5278	5540	5278	71.3595	-25.6695	1.95	1.089	-1.419	-703.671	1
5540_5541	5540	5541	-26.8185	-0.594	0.117	0.0795	0.93	-85.767	1
5541_5541	5541	5541	66.921	-23.004	0.2745	1.2675	6.7425	-609.438	1
5541_5542	5541	5542	-26.748	-0.549	0.012	0.186	0.816	-83.7645	1
5542_5542	5542	5542	66.93	-21.357	0.1455	-0.012	7.464	-529.691	1
5542_5543	5542	5543	-36.4605	-1.314	0.0705	-0.0075	1.8705	-89.9445	1
5543_5543	5543	5543	61.965	-17.5485	-0.366	0.3855	8.397	-297.755	1
5543_5544	5543	5544	-70.3275	-2.616	-0.3555	0.216	2.226	-101.856	1
5544_5544	5544	5544	59.0175	-16.1325	-0.531	-0.2295	5.451	-169.424	1
5544_5545	5544	5545	-82.7985	-4.452	-0.1545	-0.138	1.2135	-81.774	1
5545_5545	5545	5545	54.9795	-13.1775	-0.45	-0.0915	0.999	-47.5875	1
5545_5546	5545	5546	-87.3135	-6.9285	-0.2505	-0.0135	-1.662	10.59	1
5546_5546	5546	5546	52.1415	-10.9275	-0.09	-0.3945	-5.7825	147.6465	1
5546_5547	5546	5547	-87.432	-10.1055	1.905	-0.0345	15.9315	95.6745	1
5547_5547	5547	5547	52.353	-9.8625	-0.1575	0.0885	-6.4245	244.407	1
5547_5548	5547	5548	-91.3065	-11.943	2.094	-0.2325	28.2	157.977	1
5548_5548	5548	5548	52.7625	-20.913	1.374	-1.77	-15.642	271.1025	1
5548_5549	5548	5549	17.7405	-0.3765	0.4365	-0.7005	-5.334	-59.8875	1
5549_5549	5549	5549	1.482	-0.2745	-0.0945	0.231	-1.4655	-12.3285	1

5549_5550	5549	5550	-55.476	-20.862	-0.4905	1.962	-13.794	-267.356	1
5550_5550	5550	5550	78.5505	-11.727	1.9845	-0.096	-26.9805	-150.458	1
5550_5551	5550	5551	-53.1735	-9.3075	-0.147	0.4245	-6.9015	-246.908	1
5551_5551	5551	5551	75.576	-9.996	1.7535	0.0825	-15.408	-89.8995	1
5551_5552	5551	5552	-53.0895	-10.5105	-0.03	0.0585	-7.008	-157.971	1
5552_5552	5552	5552	65.0355	-7.1685	0.297	-0.048	-0.567	-13.6785	1
5552_5553	5552	5553	-57.0615	-12.945	0.4635	0.081	0.1965	31.521	1
5553_5553	5553	5553	54.2535	-4.77	0.138	-0.108	3.549	80.016	1
5553_5554	5553	5554	-61.6725	-16.05	0.5895	-0.1125	4.8045	149.1315	1
5554_5554	5554	5554	45.9225	-3.489	0.075	-0.081	4.0515	103.7925	1
5554_5555	5554	5555	-64.5345	-17.6415	0.6555	-0.0735	9.5475	274.4235	1
5555_5555	5555	5555	27.177	-2.0355	0.291	-0.1185	3.7575	103.8735	1
5555_5556	5555	5556	-71.055	-21.492	1.9125	-0.3915	29.88	498.6465	1
5556_5556	5556	5556	19.737	-1.368	0.0705	0.0345	4.287	106.7805	1
5556_5557	5556	5557	-70.4235	-23.4615	2.073	0.018	36.639	579.1065	1
5557_5557	5557	5557	22.137	-1.29	-0.135	-0.2115	5.772	117.807	1
5557_5290	5557	5290	-71.751	-26.196	-2.907	-1.8435	21.8655	714.6705	1
45000_5000	45000	5000	-0.4215	-4.086	0.165	-0.1995	0	-3.1245	1
45000_5001	45000	5001	-1.488	-76.5675	0.3075	-0.627	3.9195	963.3495	1
45001_5001	45001	5001	0.3855	-10.1805	-0.0735	-0.42	-0.9225	-569.991	1
45001_5002	45001	5002	-1.7805	-64.197	0.375	0.5325	8.445	1438.428	1
45002_5002	45002	5002	0.606	-12.87	0.1305	0.483	-2.8125	-853.788	1
45002_5003	45002	5003	-2.016	-60.2415	-0.459	-1.299	3.8805	1878.659	1
45003_5003	45003	5003	0.924	-22.6905	0.1995	-1.017	-1.821	-1249.02	1
45003_5004	45003	5004	-2.142	-48.7035	-0.4755	1.287	-1.9065	2094.78	1
45004_5004	45004	5004	1.401	-25.0365	-0.021	0.4665	0.942	-1652.21	1
45004_5005	45004	5005	-2.19	-52.569	0.054	-0.8745	-1.4325	2315.462	1
45005_5005	45005	5005	1.779	-36.774	-0.036	-1.1145	0.921	-2017.51	1
45005_5006	45005	5006	-2.19	-42.4365	0.0555	1.032	-0.819	2375.76	1
45006_5006	45006	5006	2.01	-33.0945	0.0255	1.278	0.579	-2178.83	1
45006_5007	45006	5007	-2.1615	-48.1845	-0.054	-1.905	-1.545	2492.724	1
45007_5007	45007	5007	2.136	-43.398	0.0315	-2.1105	1.086	-2361.66	1
45007_5008	45007	5008	-2.115	-38.4075	-0.0525	1.746	-2.259	2466.539	1
45008_5008	45008	5008	2.187	-37.731	-0.021	1.4085	1.7505	-2387.44	1
45008_5009	45008	5009	-2.0595	-44.277	0.0255	-1.956	-1.998	2507.063	1
45009_5009	45009	5009	2.1885	-47.7465	-0.03	-2.1795	1.674	-2471.85	1
45009_5010	45009	5010	-2.0025	-34.6065	0.027	1.6905	-1.6965	2411.147	1
45010_5010	45010	5010	2.16	-42.0345	0.054	-0.1605	1.4235	-2410.9	1
45010_5011	45010	5011	-1.9455	-40.161	-0.048	0.051	-2.3505	2384.34	1
45011_5011	45011	5011	2.1135	-52.014	0.054	-0.1365	2.205	-2413.39	1
45011_5012	45011	5012	-1.8855	-30.6135	-0.042	0.0195	-2.829	2228.198	1
45012_5012	45012	5012	2.058	-46.6185	-0.123	0.471	2.91	-2275.08	1
45012_5013	45012	5013	-1.8165	-35.439	0.099	-0.6825	-1.5495	2131.739	1
45013_5013	45013	5013	2.001	-56.658	-0.1275	-0.924	1.4445	-2199.94	1
45013_5014	45013	5014	-1.7145	-26.2155	0.0975	0.645	-0.291	1933.968	1
45014_5014	45014	5014	1.947	-52.332	0.243	0.258	0.0045	-1987.35	1
45014_5015	45014	5015	-1.527	-26.76	-0.1605	-0.453	-3.0825	1725.503	1
45015_5015	45015	5015	2.448	-66.084	0.207	-0.975	3.654	-1741.14	1
45015_5016	45015	5016	-1.2195	-20.8125	-0.1605	0.7335	-4.311	1547	1
45016_5016	45016	5016	3.354	-59.9295	-0.0855	0.312	5.2305	-1532.36	1
45016_5017	45016	5017	-0.606	-22.815	0.1065	-0.6075	-2.7375	1352.382	1
45017_5017	45017	5017	5.2215	-69.8955	-0.0915	-0.7365	3.708	-1310.45	1
45017_5018	45017	5018	-0.2535	-13.2735	0.0975	0.444	-1.254	1008.935	1
45018_5018	45018	5018	7.1055	-73.194	0.0315	-0.111	1.878	-914.46	1
45018_5019	45018	5019	0.057	-9.7695	0.0045	-0.2445	-1.371	662.115	1
45019_5019	45019	5019	9.9705	-84.2985	0.033	-0.417	1.851	-524.517	1
45019_5020	45019	5020	-0.132	-3.204	0.0285	0.189	-0.9315	263.7195	1
45020_5020	45020	5020	-74.2695	-10.4535	-0.246	0.0735	6.5205	-529.563	1
45020_5021	45020	5021	29.3055	-76.3365	0.144	-0.231	-2.298	412.359	1
45021_5021	45021	5021	-65.0385	-15.879	-0.219	0.1425	3.8895	-717.872	1

45021_5022	45021	5022	24.072	-68.0025	0.1215	-0.2415	-0.9675	626.646	1
45022_5022	45022	5022	-57.4245	-21.5595	-0.1365	-0.708	2.0295	-842.424	1
45022_5023	45022	5023	20.202	-59.6535	0.078	0.216	-0.108	780.219	1
45023_5023	45023	5023	-49.1055	-21.4215	-0.0765	-0.273	0.9	-934.596	1
45023_5024	45023	5024	17.6115	-59.205	0.0285	0.0075	0.393	949.05	1
45024_5024	45024	5024	-40.9725	-27.654	-0.1215	1.1205	0.1725	-1038.62	1
45024_5025	45024	5025	16.245	-50.592	0.039	-1.2345	0.87	1046.019	1
45025_5025	45025	5025	-33.312	-34.7835	-0.0135	-1.5405	-0.729	-1097.63	1
45025_5026	45025	5026	16.0845	-42.5805	-0.012	1.065	0.9045	1077.704	1
45026_5026	45026	5026	-27.1065	-31.359	-0.057	0.1095	-0.8505	-1107.66	1
45026_5027	45026	5027	16.7265	-48.8205	0.0015	-0.4155	0.978	1136.841	1
45027_5027	45027	5027	-23.301	-36.693	-0.0495	0.3735	-1.1535	-1147.52	1
45027_5028	45027	5028	17.9835	-42.555	-0.0015	-0.627	0.9855	1155.531	1
45028_5028	45028	5028	-20.442	-42.6225	-0.0375	0.288	-1.335	-1162.7	1
45028_5029	45028	5029	19.893	-36.627	-0.012	-0.477	0.9045	1137.611	1
45029_5029	45029	5029	-18.324	-48.906	0	-1.4925	-1.4115	-1141.1	1
45029_5030	45029	5030	22.581	-31.308	-0.0555	1.1055	0.5325	1095.221	1
45030_5030	45030	5030	-16.8825	-42.573	0.0015	0.552	-1.278	-1079.06	1
45030_5031	45030	5031	27.0825	-34.719	-0.045	-0.921	0.072	1081.848	1
45031_5031	45031	5031	-16.0245	-50.6025	0.033	-0.4815	-0.9765	-1044.17	1
45031_5032	45031	5032	32.7195	-27.5895	-0.0945	0.2865	-0.7995	1019.565	1
45032_5032	45032	5032	-16.3605	-59.2395	0.045	-0.438	-0.363	-943.601	1
45032_5033	45032	5033	38.6985	-21.3735	-0.111	0.1695	-1.914	912.72	1
45033_5033	45033	5033	-17.826	-59.6265	0.087	-0.0915	0.399	-771.173	1
45033_5034	45033	5034	44.832	-21.4875	-0.1515	-0.201	-3.3015	817.764	1
45034_5034	45034	5034	-20.4375	-68.0085	0.102	0	1.4925	-614.415	1
45034_5035	45034	5035	50.379	-15.813	-0.1725	-0.261	-4.956	690.6285	1
45035_5035	45035	5035	-24.171	-76.362	0.144	-0.2505	2.832	-397.901	1
45035_5036	45035	5036	57.075	-10.41	-0.237	0.183	-7.644	502.9935	1
45036_5036	45036	5036	-7.1595	-4.5885	0.0135	0.1455	-2.7255	-283.704	1
45036_5037	45036	5037	-37.8795	-80.835	-0.0045	-0.6225	-3.6225	407.2305	1
45037_5037	45037	5037	14.0925	-10.659	-0.006	-0.624	2.1585	-605.367	1
45037_5038	45037	5038	-38.0325	-69.6735	0.0495	-0.2205	-4.002	726.831	1
45038_5038	45038	5038	19.4925	-14.223	0.0645	0.651	2.3325	-916.709	1
45038_5039	45038	5039	-37.7625	-66.2535	-0.0225	-0.9915	-5.1465	1041.626	1
45039_5039	45039	5039	25.1625	-23.7165	0.0315	-1.077	3.489	-1207.19	1
45039_5040	45039	5040	-36.222	-56.448	0.0495	0.429	-5.268	1192.617	1
45040_5040	45040	5040	29.64	-21.7245	-0.102	0.516	4.395	-1345.07	1
45040_5041	45040	5041	-35.0535	-62.349	0.123	-0.651	-4.4865	1352.069	1
45041_5041	45041	5041	32.013	-27.783	-0.1305	-0.324	3.7245	-1464.04	1
45041_5042	45041	5042	-33.1965	-48.2655	0.129	0.087	-2.64	1499.952	1
45042_5042	45042	5042	34.3245	-26.1735	0.045	-0.03	2.067	-1563.61	1
45042_5043	45042	5043	-31.9455	-52.6305	-0.027	-0.0375	-3.1215	1671.885	1
45043_5043	45043	5043	34.77	-35.9985	0.0525	-0.012	2.7225	-1694.59	1
45043_5044	45043	5044	-30.792	-41.736	-0.024	-0.0645	-3.4815	1706.607	1
45044_5044	45044	5044	34.2045	-30.762	-0.0285	-0.117	3.552	-1717.23	1
45044_5045	45044	5045	-29.8995	-46.7925	0.003	0.063	-3.222	1812.077	1
45045_5045	45045	5045	33.1995	-41.1825	-0.015	0.012	3.2625	-1812.03	1
45045_5046	45045	5046	-29.3025	-36.0165	-0.0075	-0.075	-3.213	1776.329	1
45046_5046	45046	5046	31.9815	-35.7255	-0.0165	1.017	3.2235	-1775.34	1
45046_5047	45046	5047	-28.92	-41.331	0.0045	-1.4415	-3	1815.18	1
45047_5047	45047	5047	30.837	-46.53	-0.0615	-1.506	3.063	-1814.94	1
45047_5048	45047	5048	-28.557	-30.867	0.042	1.0785	-2.382	1720.784	1
45048_5048	45048	5048	29.943	-41.292	-0.0165	0.93	2.3775	-1712.87	1
45048_5049	45048	5049	-28.002	-35.985	0.0495	-1.377	-1.698	1696.572	1
45049_5049	45049	5049	29.349	-52.2645	-0.075	-1.491	2.079	-1682.32	1
45049_5050	45049	5050	-26.7795	-26.0955	0.09	1.071	-0.54	1563.933	1
45050_5050	45050	5050	28.9845	-47.7705	0.102	0.2835	0.9465	-1511.36	1
45050_5051	45050	5051	-24.036	-27.6405	-0.0525	-0.6945	-1.2255	1462.581	1
45051_5051	45051	5051	29.043	-62.1555	0.0585	-1.3275	2.1585	-1353.81	1

45051_5052	45051	5052	-21.7905	-21.4575	-0.0135	1.0845	-1.2825	1335.153	1
45052_5052	45052	5052	29.436	-55.9755	0.0375	0.4395	2.289	-1188.74	1
45052_5053	45052	5053	-17.7825	-23.799	-0.0315	-1.134	-1.2795	1205.555	1
45053_5053	45053	5053	30.2175	-66.039	0.0075	-1.0905	2.13	-1043.22	1
45053_5054	45053	5054	-13.0155	-14.118	0.0165	0.744	-1.125	926.388	1
45054_5054	45054	5054	29.9955	-69.561	-0.003	-0.2025	1.851	-725.742	1
45054_5055	45054	5055	-8.748	-10.461	0.0135	-0.4335	-0.831	619.7535	1
45055_5055	45055	5055	29.9535	-81.0615	-0.03	-0.453	1.356	-404.468	1
45055_5056	45055	5056	-5.5125	-3.591	0.0345	0.2175	-0.4185	246.9645	1
45056_5056	45056	5056	-62.8365	-10.386	-0.141	-0.027	3.9705	-520.506	1
45056_5057	45056	5057	27.9105	-75.4005	0.0885	-0.144	-1.5015	483.756	1
45057_5057	45057	5057	-55.824	-16.062	-0.1485	0.306	2.3955	-715.929	1
45057_5058	45057	5058	23.8635	-66.984	0.093	-0.3255	-0.567	693.9165	1
45058_5058	45058	5058	-50.0325	-21.9375	-0.0735	-0.693	1.152	-854.777	1
45058_5059	45058	5059	20.91	-58.6155	0.0555	0.3315	0.0405	844.719	1
45059_5059	45059	5059	-43.5	-21.8115	-0.1575	1.188	0.4935	-956.876	1
45059_5060	45059	5060	19.0125	-58.6245	0.075	-1.629	0.78	1011.279	1
45060_5060	45060	5060	-37.095	-28.1385	-0.0495	-0.918	-0.711	-1068.99	1
45060_5061	45060	5061	18.1395	-50.0895	0.0225	0.546	1.047	1104.914	1
45061_5061	45061	5061	-31.0455	-35.3535	-0.0465	-0.828	-1.0575	-1134.14	1
45061_5062	45061	5062	18.303	-42.1755	0.0135	0.333	1.1925	1132.863	1
45062_5062	45062	5062	-26.211	-31.7025	-0.036	0.5325	-1.3605	-1147.93	1
45062_5063	45062	5063	19.0995	-48.795	0.003	-0.9345	1.2135	1191.137	1
45063_5063	45063	5063	-23.265	-37.026	-0.033	0.8325	-1.5015	-1190.84	1
45063_5064	45063	5064	20.4495	-42.579	0.003	-1.1235	1.221	1208.802	1
45064_5064	45064	5064	-21.09	-42.924	0.0105	-1.092	-1.587	-1208.26	1
45064_5065	45064	5065	22.4055	-36.6915	-0.0375	0.8025	0.984	1189.586	1
45065_5065	45065	5065	-19.5225	-49.164	0.0135	-1.0305	-1.41	-1188.58	1
45065_5066	45065	5066	25.1175	-31.3935	-0.0435	0.615	0.6855	1145.304	1
45066_5066	45066	5066	-18.5205	-42.45	0.0135	0.1395	-1.2	-1128.34	1
45066_5067	45066	5067	29.625	-35.0565	-0.045	-0.456	0.2715	1130.327	1
45067_5067	45067	5067	-18.081	-50.382	0.021	0.261	-0.909	-1098.24	1
45067_5068	45067	5068	35.319	-27.876	-0.0495	-0.516	-0.2115	1064.661	1
45068_5068	45068	5068	-18.678	-58.9305	0.051	-0.9195	-0.516	-1002.35	1
45068_5069	45068	5069	41.3565	-21.5955	-0.1095	0.63	-1.1835	953.154	1
45069_5069	45069	5069	-20.286	-58.8045	0.0435	0.3135	0.159	-833.682	1
45069_5070	45069	5070	47.5245	-21.7905	-0.0765	-0.939	-1.9395	853.0455	1
45070_5070	45070	5070	-22.947	-67.1835	0.084	-0.2805	0.789	-682.014	1
45070_5071	45070	5071	52.986	-15.963	-0.1575	0.0735	-3.369	717.4095	1
45071_5071	45071	5071	-26.688	-75.6165	0.1095	-0.4575	1.7955	-470.505	1
45071_5072	45071	5072	59.625	-10.38	-0.2085	0.261	-5.6985	527.4075	1
45072_5072	45072	5072	-6.1845	-3.9405	-0.0045	0.063	-1.1775	-226.679	1
45072_5073	45072	5073	-31.9365	-80.3565	0.0075	-0.519	-3.1065	446.418	1
45073_5073	45073	5073	10.6965	-10.5825	-0.0375	-0.444	2.139	-617.891	1
45073_5074	45073	5074	-31.341	-68.877	0.0375	-0.1395	-3.2025	781.161	1
45074_5074	45074	5074	15.198	-14.2395	0.009	0.7995	1.9305	-931.176	1
45074_5075	45074	5075	-30.5175	-65.427	0.0525	-1.23	-3.006	1111.358	1
45075_5075	45075	5075	20.022	-24.081	-0.063	-1.3365	2.0535	-1218.58	1
45075_5076	45075	5076	-28.599	-55.4385	0.0855	0.636	-2.739	1270.658	1
45076_5076	45076	5076	23.769	-21.7245	0.039	0.9375	1.557	-1357.93	1
45076_5077	45076	5077	-27.2685	-61.7535	0.0165	-1.2195	-2.9655	1449.056	1
45077_5077	45077	5077	25.575	-28.0305	0.021	-0.6765	1.917	-1508.17	1
45077_5078	45077	5078	-25.488	-48.732	0.0945	0.3585	-2.0865	1619.88	1
45078_5078	45078	5078	27.084	-26.211	0.0315	1.143	2.235	-1627.47	1
45078_5079	45078	5079	-24.5535	-53.337	-0.0525	-1.5915	-2.6205	1790.805	1
45079_5079	45079	5079	27.294	-35.505	-0.0135	-1.6185	2.6685	-1770.69	1
45079_5080	45079	5080	-23.814	-43.254	-0.0105	1.194	-2.724	1839.21	1
45080_5080	45080	5080	26.6565	-30.288	0.0015	1.317	2.5995	-1819.23	1
45080_5081	45080	5081	-23.349	-48.783	0.006	-1.785	-2.6475	1953.938	1
45081_5081	45081	5081	25.719	-39.99	-0.045	-1.713	2.6775	-1932.45	1

45081_5082	45081	5082	-23.187	-38.778	0.045	1.287	-2.088	1943.61	1
45082_5082	45082	5082	24.7605	-34.0215	0.003	-0.0375	2.181	-1929.57	1
45082_5083	45082	5083	-23.3535	-43.9875	-0.0135	-0.0435	-2.1765	2005.764	1
45083_5083	45083	5083	23.916	-44.625	0.006	-0.0915	2.2335	-2003.76	1
45083_5084	45083	5084	-23.8125	-33.435	-0.0135	0.0015	-2.2875	1926.06	1
45084_5084	45084	5084	23.376	-39.351	-0.0045	1.239	2.352	-1935.06	1
45084_5085	45084	5085	-24.39	-39.342	-0.0045	-1.665	-2.256	1924.529	1
45085_5085	45085	5085	23.1945	-49.413	-0.045	-1.815	2.313	-1939.49	1
45085_5086	45085	5086	-24.936	-29.712	0.036	1.35	-1.7835	1808.471	1
45086_5086	45086	5086	23.313	-43.7205	-0.048	1.1535	1.821	-1818.31	1
45086_5087	45086	5087	-25.2165	-35.025	0.042	-1.59	-1.2855	1760.237	1
45087_5087	45087	5087	23.6955	-53.8545	-0.093	-1.656	1.2705	-1765.81	1
45087_5088	45087	5088	-24.7965	-25.7625	0.0825	1.2075	-0.333	1615.664	1
45088_5088	45088	5088	24.2595	-49.1055	0.129	0.3555	0.2115	-1591.48	1
45088_5089	45088	5089	-23.2485	-28.1355	-0.045	-0.693	-1.0185	1504.691	1
45089_5089	45089	5089	25.512	-61.6095	0.0675	-1.2525	1.6455	-1436.95	1
45089_5090	45089	5090	-21.474	-21.7875	-0.021	0.9825	-1.2	1362.176	1
45090_5090	45090	5090	26.6025	-55.287	0.033	0.6135	1.959	-1264.37	1
45090_5091	45090	5091	-17.9475	-23.913	-0.0165	-1.3095	-1.2675	1219.187	1
45091_5091	45091	5091	28.2945	-65.3985	-0.009	-1.1805	1.7565	-1104.22	1
45091_5092	45091	5092	-13.527	-13.998	0.03	0.768	-1.0005	922.554	1
45092_5092	45092	5092	28.989	-68.6385	0.021	-0.12	1.3965	-776.451	1
45092_5093	45092	5093	-9.3915	-10.473	-0.0045	-0.207	-1.182	609.624	1
45093_5093	45093	5093	29.6595	-80.292	0.012	-0.3075	1.413	-443.732	1
45093_5094	45093	5094	4.9035	-4.0605	-0.003	0.015	-0.3075	236.658	1
45094_5094	45094	5094	-59.97	-10.3035	-0.138	0.1875	3.3585	-515.894	1
45094_5095	45094	5095	26.5635	-74.913	0.063	-0.363	-1.1745	472.5075	1
45095_5095	45095	5095	-53.256	-15.975	-0.102	0.084	1.92	-704.756	1
45095_5096	45095	5096	22.7235	-66.318	0.039	-0.246	-0.6525	681.153	1
45096_5096	45096	5096	-47.7435	-21.9255	-0.0315	-0.834	1.0755	-840.963	1
45096_5097	45096	5097	19.9395	-57.8175	0.003	0.309	-0.4905	828.5175	1
45097_5097	45097	5097	-41.502	-21.588	-0.0465	0.1725	0.789	-940.116	1
45097_5098	45097	5098	18.171	-58.2465	0.0225	-0.3735	-0.2115	994.2645	1
45098_5098	45098	5098	-35.37	-27.969	-0.0405	0.276	0.408	-1051.46	1
45098_5099	45098	5099	17.364	-49.6155	0.0165	-0.4245	0.0345	1086.309	1
45099_5099	45099	5099	-29.5695	-35.2875	0.0015	-0.954	0.117	-1115.73	1
45099_5100	45099	5100	17.5425	-41.655	-0.009	0.63	0.0495	1112.045	1
45100_5100	45100	5100	-24.972	-31.248	0.0135	-1.1655	0.1215	-1127.55	1
45100_5101	45100	5101	18.3165	-48.8025	-0.0435	1.8555	-0.171	1171.983	1
45101_5101	45101	5101	-22.1745	-36.6015	0.051	-3.417	0.189	-1171.57	1
45101_5102	45101	5102	19.623	-42.504	-0.084	3.8775	-0.666	1190.787	1
45102_5102	45102	5102	-20.118	-42.5595	-0.0825	3.8355	0.4785	-1189.96	1
45102_5103	45102	5103	21.519	-36.5475	0.0465	-3.3825	-0.4665	1172.331	1
45103_5103	45103	5103	-18.648	-48.8625	-0.042	1.8735	0.0585	-1171.07	1
45103_5104	45103	5104	24.15	-31.2075	0.0105	-1.188	-0.4755	1128.389	1
45104_5104	45104	5104	-17.712	-41.655	-0.015	0.633	-0.081	-1111.13	1
45104_5105	45104	5105	28.539	-35.226	0.0015	-0.957	-0.552	1116.434	1
45105_5105	45105	5105	-17.316	-49.6365	0.012	-0.4185	-0.0165	-1085.63	1
45105_5106	45105	5106	34.1205	-27.912	-0.0405	0.27	-0.933	1052.072	1
45106_5106	45106	5106	-17.904	-58.266	0.0195	-0.402	0.291	-993.794	1
45106_5107	45106	5107	40.0455	-21.528	-0.0495	0.198	-1.44	940.5045	1
45107_5107	45107	5107	-19.4655	-57.7545	0.024	-0.0495	0.657	-828.003	1
45107_5108	45107	5108	46.1085	-21.867	-0.0585	-0.2295	-2.019	841.0725	1
45108_5108	45108	5108	-22.044	-66.2835	0.0315	0.0675	1.083	-680.948	1
45108_5109	45108	5109	51.4245	-15.9045	-0.0645	-0.3165	-2.685	704.532	1
45109_5109	45109	5109	-25.6695	-74.8875	0.0675	-0.306	1.6305	-472.362	1
45109_5110	45109	5110	57.927	-10.212	-0.129	0.2235	-4.104	513.87	1
45110_5110	45110	5110	6.372	-3.582	0.0015	0.2115	1.6635	-241.218	1
45110_5111	45110	5111	-30.3375	-79.4505	0.0225	-0.4815	-2.4615	449.085	1
45111_5111	45111	5111	9.678	-10.725	-0.0285	-0.45	1.788	-618.518	1

45111_5112	45111	5112	-29.829	-67.5855	0.051	-0.1185	-2.337	765.3975	1
45112_5112	45112	5112	13.932	-14.2965	0.0465	0.48	1.464	-925.628	1
45112_5113	45112	5113	-29.259	-64.2435	-0.0225	-0.744	-3.18	1073.378	1
45113_5113	45113	5113	18.516	-24.3765	0.024	-0.8205	2.235	-1212.2	1
45113_5114	45113	5114	-27.654	-53.943	0.012	0.357	-3.4875	1211.868	1
45114_5114	45114	5114	22.2	-22.1415	-0.1125	0.2115	2.8455	-1339.88	1
45114_5115	45114	5115	-26.6175	-60.3255	0.1635	-0.303	-2.3145	1369.083	1
45115_5115	45115	5115	24.0975	-28.59	-0.1275	-0.138	1.965	-1466.23	1
45115_5116	45115	5116	-25.329	-47.0805	0.177	0.0195	0.0915	1497.072	1
45116_5116	45116	5116	25.8225	-26.088	0.102	0.543	0.072	-1551.62	1
45116_5117	45116	5117	-24.699	-52.164	-0.1185	-0.765	-1.2645	1655.121	1
45117_5117	45117	5117	26.2815	-35.5995	0.09	-0.753	1.2315	-1676.66	1
45117_5118	45117	5118	-24.243	-41.7225	-0.093	0.504	-2.3205	1688.768	1
45118_5118	45118	5118	26.0175	-29.8995	-0.0705	0.555	2.334	-1701.11	1
45118_5119	45118	5119	-24.066	-47.607	0.0735	-0.798	-1.3785	1795.464	1
45119_5119	45119	5119	25.4655	-39.813	-0.096	-0.846	1.527	-1797.99	1
45119_5120	45119	5120	-24.216	-37.2285	0.087	0.5955	-0.3105	1773.083	1
45120_5120	45120	5120	24.831	-33.4995	0.0615	1.674	0.396	-1777.7	1
45120_5121	45120	5121	-24.7635	-42.786	-0.054	-2.271	-0.996	1828.463	1
45121_5121	45121	5121	24.294	-44.424	0.0015	-2.304	1.104	-1840.83	1
45121_5122	45121	5122	-25.662	-31.872	0.015	1.668	-0.777	1737.602	1
45122_5122	45122	5122	24.0615	-38.817	-0.0285	0.522	1.0905	-1757.67	1
45122_5123	45122	5123	-26.7045	-38.1825	0.0045	-0.762	-0.5685	1731.876	1
45123_5123	45123	5123	24.1875	-49.1895	-0.0465	-0.84	0.7455	-1754.71	1
45123_5124	45123	5124	-27.7485	-28.203	0.0195	0.5745	-0.2775	1607.42	1
45124_5124	45124	5124	24.6555	-43.2615	0.0075	0.9495	0.2385	-1622.56	1
45124_5125	45124	5125	-28.485	-33.8085	-0.0015	-1.3695	-0.3225	1556.387	1
45125_5125	45125	5125	25.437	-53.715	-0.039	-1.4505	0.312	-1563.77	1
45125_5126	45125	5126	-28.3635	-24.3015	0.057	1.02	0.354	1408.712	1
45126_5126	45126	5126	26.457	-48.7425	0.045	0.2775	-0.156	-1379.16	1
45126_5127	45126	5127	-27.0135	-27.0975	0.003	-0.612	0.555	1303.959	1
45127_5127	45127	5127	28.3125	-61.6065	-0.018	-0.996	0.099	-1214.91	1
45127_5128	45127	5128	-25.2585	-20.6385	0.012	0.7725	0.585	1162.629	1
45128_5128	45128	5128	29.7315	-55.0515	0.0315	0.357	-0.2895	-1036.04	1
45128_5129	45128	5129	-21.54	-23.181	0.024	-1.092	0.7695	1036.653	1
45129_5129	45129	5129	31.806	-65.2635	-0.012	-0.9375	-0.4695	-882.93	1
45129_5130	45129	5130	-16.6725	-13.14	0.1125	0.6105	2.0085	761.8275	1
45130_5130	45130	5130	32.664	-67.47	0.123	-0.114	-1.017	-561.096	1
45130_5131	45130	5131	-11.934	-11.2035	-0.2085	-0.2325	-0.5415	483.6975	1
45131_5131	45131	5131	33.33	-79.0905	0.1365	-0.114	0.489	-254.16	1
45131_5132	45131	5132	6.549	-4.4535	-0.045	0.0855	-1.5375	324.8865	1
45132_5132	45132	5132	-66.5775	-9.48	0.177	-0.882	0.2475	-428.588	1
45132_5133	45132	5133	28.4625	-74.517	-0.03	1.9395	-1.0575	384.831	1
45133_5133	45133	5133	-58.995	-15.3045	0.2295	-2.469	1.6695	-628.982	1
45133_5134	45133	5134	23.748	-65.6895	-0.081	2.5485	-1.362	597.6945	1
45134_5134	45134	5134	-52.6995	-21.4485	-0.447	6.357	3.084	-761.972	1
45134_5135	45134	5135	20.16	-56.9055	0.2205	-2.733	0.57	746.8755	1
45135_5135	45135	5135	-45.6195	-20.2125	0.072	0.408	-0.645	-858.996	1
45135_5136	45135	5136	17.583	-58.0335	-0.063	-0.3645	0.1155	921.4905	1
45136_5136	45136	5136	-38.6565	-26.7765	0.126	-0.681	-0.153	-975.749	1
45136_5137	45136	5137	16.0245	-49.0305	-0.0795	0.714	-0.5025	1018.854	1
45137_5137	45137	5137	-31.965	-34.3155	0.0735	0.5685	0.81	-1042.73	1
45137_5138	45137	5138	15.483	-40.7535	-0.0525	-0.4095	-0.9015	1046.925	1
45138_5138	45138	5138	-26.4615	-30.045	-0.066	0.744	1.3245	-1054.79	1
45138_5139	45138	5139	15.738	-48.3105	0.0375	-0.9315	-0.6435	1111.044	1
45139_5139	45139	5139	-23.0295	-35.55	-0.0225	-0.9075	0.897	-1102.02	1
45139_5140	45139	5140	16.5555	-41.7525	0.0075	0.8655	-0.5505	1132.437	1
45140_5140	45140	5140	-20.3565	-41.7135	-0.054	0.8775	0.7185	-1122.87	1
45140_5141	45140	5141	17.9925	-35.571	0.033	-0.9375	-0.339	1114.703	1
45141_5141	45141	5141	-18.2955	-48.2595	-0.018	-0.906	0.396	-1104.93	1

45141_5142	45141	5142	20.2185	-30.045	0	0.7395	-0.321	1070.363	1
45142_5142	45142	5142	-16.7805	-40.7235	0.003	0.0225	0.27	-1044.15	1
45142_5143	45142	5143	24.1275	-34.4055	-0.009	-0.039	-0.441	1061.609	1
45143_5143	45143	5143	-15.645	-48.99	0.0045	0.0285	0.3135	-1020.65	1
45143_5144	45143	5144	29.28	-26.8455	-0.0045	-0.0375	-0.4965	997.581	1
45144_5144	45144	5144	-15.528	-57.9705	0.006	0.036	0.372	-928.1	1
45144_5145	45144	5145	34.776	-20.256	0	-0.036	-0.489	883.3965	1
45145_5145	45145	5145	-16.443	-57.789	-0.0345	0.0555	0.4605	-758.618	1
45145_5146	45145	5146	40.4745	-20.5635	0.021	0.219	-0.2835	781.4955	1
45146_5146	45146	5146	-18.444	-66.597	-0.036	-0.039	0.237	-606.971	1
45146_5147	45146	5147	45.453	-14.439	0.018	0.2745	-0.159	641.5065	1
45147_5147	45147	5147	-21.5835	-75.45	-0.0675	0.3105	-0.0375	-391.005	1
45147_5148	45147	5148	51.504	-8.628	0.063	-0.2985	0.294	437.5125	1
45148_5148	45148	5148	12.4815	-3.9225	0.0255	0.066	-0.492	-201.294	1
45148_5149	45148	5149	-45.33	-78.369	-0.0195	-0.141	-0.0645	350.1225	1
45149_5149	45149	5149	18.075	-10.9575	0.0105	-0.2115	-0.216	-559.61	1
45149_5150	45149	5150	-46.758	-66.669	0.0135	-0.063	-0.1515	645.54	1
45150_5150	45150	5150	24.6645	-14.6805	-0.0015	0.105	0.042	-849.653	1
45150_5151	45150	5151	-47.895	-63.198	0	-0.1365	-0.1515	931.6395	1
45151_5151	45151	5151	31.7445	-24.5535	-0.006	-0.1185	-0.021	-1103.85	1
45151_5152	45151	5152	-47.487	-53.199	0.006	0.048	-0.168	1048.38	1
45152_5152	45152	5152	37.4475	-22.326	0.0075	0.0165	-0.054	-1209.87	1
45152_5153	45152	5153	-47.1435	-59.2365	0.003	-0.0165	-0.216	1199.04	1
45153_5153	45153	5153	40.6275	-28.779	0.0075	0.0285	0.0225	-1317.06	1
45153_5154	45153	5154	-46.7775	-46.224	0.0045	-0.0165	-0.2025	1306.394	1
45154_5154	45154	5154	44.166	-26.526	0.0045	0.03	0.153	-1379.4	1
45154_5155	45154	5155	-46.6815	-50.334	-0.0015	-0.0315	-0.24	1445.997	1
45155_5155	45155	5155	45.8505	-36.138	0.0045	0.036	0.2145	-1483.26	1
45155_5156	45155	5156	-46.6455	-39.7035	-0.003	-0.0225	-0.2895	1461.173	1
45156_5156	45156	5156	46.5465	-31.6455	0.018	0.039	0.2685	-1488.08	1
45156_5157	45156	5157	-46.7505	-45.0495	-0.024	-0.033	-0.534	1534.023	1
45157_5157	45157	5157	46.7625	-40.9215	0.0225	0.0615	0.486	-1546.85	1
45157_5158	45157	5158	-46.959	-35.5035	-0.027	-0.042	-0.81	1505.772	1
45158_5158	45158	5158	46.716	-35.6505	-0.048	-0.5715	0.7965	-1510.14	1
45158_5159	45158	5159	-47.1525	-40.914	0.0315	0.759	-0.4065	1539.888	1
45159_5159	45159	5159	46.644	-45.1515	0.0015	0.7785	0.321	-1534.99	1
45159_5160	45159	5160	-47.094	-31.6245	-0.021	-0.5895	-0.6225	1478.727	1
45160_5160	45160	5160	46.671	-40.035	0.0015	0.0345	0.4095	-1459.55	1
45160_5161	45160	5161	-46.578	-36.1605	0.0285	-0.0315	-0.3465	1471.284	1
45161_5161	45161	5161	46.8525	-50.5665	-0.0045	0.039	0.402	-1439.75	1
45161_5162	45161	5162	-45.0675	-26.547	0.0315	-0.0195	0.0165	1364.721	1
45162_5162	45162	5162	47.0985	-46.7325	0.048	0.2265	0.2295	-1297.63	1
45162_5163	45162	5163	-41.712	-28.6275	-0.1035	-0.3885	-1.431	1296.108	1
45163_5163	45163	5163	47.673	-59.6205	0.0345	-0.4995	1.05	-1181.49	1
45163_5164	45163	5164	-38.6145	-22.203	-0.0705	0.4425	-1.9965	1183.734	1
45164_5164	45164	5164	48.1575	-54.009	-0.0495	-0.234	1.6125	-1028.15	1
45164_5165	45164	5165	-32.9895	-24.183	0.075	0.5985	-1.089	1069.833	1
45165_5165	45165	5165	48.7515	-63.918	-0.015	0.4395	1.308	-899.175	1
45165_5166	45165	5166	-25.908	-14.4525	0.024	-0.309	-0.4845	809.838	1
45166_5166	45166	5166	47.8575	-67.8345	0.015	-0.0825	0.8895	-604.431	1
45166_5167	45166	5167	-19.233	-10.7115	-0.0225	-0.1965	-0.57	518.421	1
45167_5167	45167	5167	46.5495	-79.311	-0.0135	-0.1305	0.882	-297.521	1
45167_5168	45167	5168	-13.437	-3.8385	-0.009	0.072	-0.6645	162.765	1
45168_5168	45168	5168	-55.845	-8.895	-0.042	0.1665	1.0065	-440.981	1
45168_5169	45168	5169	24.279	-76.539	0.0105	-0.078	-0.1605	386.157	1
45169_5169	45169	5169	-49.581	-14.514	0.021	-0.501	0.5385	-645.869	1
45169_5170	45169	5170	20.793	-67.9305	-0.0285	0.2895	-0.261	610.2105	1
45170_5170	45170	5170	-44.379	-20.4075	-0.024	0.4605	0.645	-786.795	1
45170_5171	45170	5171	18.4545	-59.316	-0.0075	-0.3345	-0.2955	771.4845	1
45171_5171	45171	5171	-38.415	-20.334	0.0225	-0.612	0.471	-892.536	1

45171_5172	45171	5172	17.253	-59.046	-0.012	0.7785	-0.255	947.619	1
45172_5172	45172	5172	-32.592	-26.7405	-0.018	0.4275	0.5415	-1009.49	1
45172_5173	45172	5173	17.0955	-50.205	0.0075	-0.2805	-0.111	1048.638	1
45173_5173	45173	5173	-27.0825	-34.0905	-0.012	0.39	0.357	-1079.19	1
45173_5174	45173	5174	18.0045	-42.006	0.006	-0.1815	0.0015	1081.1	1
45174_5174	45174	5174	-22.803	-30.465	0.0135	-0.7545	0.249	-1096.7	1
45174_5175	45174	5175	19.374	-48.7155	-0.0225	0.9285	-0.027	1142.718	1
45175_5175	45175	5175	-20.307	-35.9085	-0.018	0.9675	0.246	-1143	1
45175_5176	45175	5176	21.318	-42.279	0.0105	-0.9165	0.063	1162.307	1
45176_5176	45176	5176	-18.609	-41.9745	0.015	-0.879	0.135	-1163.3	1
45176_5177	45176	5177	23.8815	-36.198	-0.0285	0.936	-0.06	1143.432	1
45177_5177	45177	5177	-17.55	-48.3975	-0.0165	0.9705	0.1725	-1145.3	1
45177_5178	45177	5178	27.216	-30.735	0.0105	-0.78	0.027	1098.344	1
45178_5178	45178	5178	-17.0685	-41.8935	-0.012	0.207	0.0765	-1085.17	1
45178_5179	45178	5179	32.5725	-34.3605	0.0045	-0.411	0.108	1082.139	1
45179_5179	45179	5179	-17.3595	-50.061	-0.0105	0.3105	-0.033	-1053.42	1
45179_5180	45179	5180	39.1035	-27.018	0.0045	-0.447	0.1905	1013.976	1
45180_5180	45180	5180	-18.7125	-58.8675	0.012	-0.756	-0.129	-953.576	1
45180_5181	45180	5181	45.9	-20.6055	-0.051	0.597	-0.1365	898.3995	1
45181_5181	45181	5181	-21.1095	-59.3475	0.006	0.369	-0.042	-778.982	1
45181_5182	45181	5182	52.7835	-20.625	0.018	-0.489	-0.0885	793.2405	1
45182_5182	45182	5182	-24.564	-67.914	0.0345	-0.273	0.0435	-617.838	1
45182_5183	45182	5183	58.83	-14.7495	-0.0435	0.489	-0.423	653.142	1
45183_5183	45183	5183	-29.1285	-76.4775	-0.006	0.1125	0.3135	-394.575	1
45183_5184	45183	5184	66.021	-9.135	0.0315	-0.1965	-0.156	449.904	1
45184_5184	45184	5184	-7.983	-4.209	-0.009	-0.135	0.9015	-268.094	1
45184_5185	45184	5185	-38.55	-81.657	-0.0045	0.09	0.1995	277.992	1
45185_5185	45185	5185	14.1285	-9.942	0.0225	0.2265	-0.1605	-502.368	1
45185_5186	45185	5186	-39.0795	-70.389	-0.0225	0.072	0.099	617.6685	1
45186_5186	45186	5186	19.68	-13.737	0.0195	-0.1095	0.057	-807.633	1
45186_5187	45186	5187	-39.318	-66.2205	-0.0465	0.168	-0.447	948.294	1
45187_5187	45187	5187	25.6695	-23.2455	0.0375	0.315	0.483	-1089.3	1
45187_5188	45187	5188	-38.2635	-56.28	-0.0645	-0.1515	-1.0905	1112.102	1
45188_5188	45188	5188	30.4305	-21.783	0.006	0.1005	1.0035	-1229.71	1
45188_5189	45188	5189	-37.533	-61.251	-0.0345	-0.1125	-1.3365	1282.277	1
45189_5189	45189	5189	33.012	-28.0845	0.0075	0.0825	1.155	-1355.39	1
45189_5190	45189	5190	-36.7005	-48.5295	-0.045	-0.072	-1.995	1421.472	1
45190_5190	45190	5190	35.673	-26.7855	0.039	0.114	1.4835	-1456.42	1
45190_5191	45190	5191	-36.321	-51.78	-0.0375	-0.12	-2.52	1572.128	1
45191_5191	45191	5191	36.7515	-36.132	0.039	0.1245	2.079	-1578.45	1
45191_5192	45191	5192	-36.054	-41.523	-0.0375	-0.1095	-3.0105	1601.291	1
45192_5192	45192	5192	36.966	-32.4405	-0.006	0.1605	2.661	-1605.27	1
45192_5193	45192	5193	-35.982	-46.1295	-0.0135	-0.153	-3.1935	1676.742	1
45193_5193	45193	5193	36.822	-41.4465	-0.003	0.153	2.7615	-1673.53	1
45193_5194	45193	5194	-36.0285	-36.924	-0.018	-0.12	-3.4335	1654.302	1
45194_5194	45194	5194	36.4875	-36.927	0.036	0.1365	2.9355	-1647.97	1
45194_5195	45194	5195	-36.0735	-41.6205	-0.0585	-0.1185	-4.092	1685.463	1
45195_5195	45195	5195	36.1815	-46.137	0.042	0.1455	3.528	-1673.84	1
45195_5196	45195	5196	-35.886	-32.718	-0.0615	-0.1005	-4.7655	1625.921	1
45196_5196	45196	5196	36.0135	-41.8005	0.039	0.1005	4.218	-1601.85	1
45196_5197	45196	5197	-35.3025	-36.54	-0.0285	-0.0825	-5.094	1611.174	1
45197_5197	45197	5197	36.009	-51.9825	0.0375	0.1095	4.86	-1575	1
45197_5198	45197	5198	-33.918	-27.3735	-0.027	-0.063	-5.2935	1503.222	1
45198_5198	45198	5198	36.0885	-49.0065	0.0375	0.0585	5.4075	-1430.65	1
45198_5199	45198	5199	-31.0185	-28.7925	-0.051	-0.042	-5.7195	1421.138	1
45199_5199	45199	5199	36.4695	-61.4715	0.0435	0.018	6.0645	-1305.26	1
45199_5200	45199	5200	-28.4055	-22.6305	-0.048	0.0165	-5.868	1308.719	1
45200_5200	45200	5200	36.927	-57.225	0.003	-0.018	6.4875	-1147.28	1
45200_5201	45200	5201	-23.811	-23.658	-0.009	0.108	-5.5275	1173.752	1
45201_5201	45201	5201	37.6215	-66.96	0.0105	0.024	6.5025	-994.379	1

45201_5202	45201	5202	-18.219	-14.4255	-0.0075	-0.0015	-4.902	897.543	1
45202_5202	45202	5202	37.1265	-71.5005	0.0195	0.006	6.4005	-680.268	1
45202_5203	45202	5203	-13.116	-10.602	-0.03	0.3015	-4.6365	589.149	1
45203_5203	45203	5203	36.4875	-82.3935	0.0375	-0.09	6.423	-351.009	1
45203_5204	45203	5204	-8.9055	-4.0695	-0.0405	0.096	-4.2375	220.938	1
45204_5204	45204	5204	-66.9405	-10.881	-0.147	-0.2565	9.945	-533.636	1
45204_5205	45204	5205	31.5645	-77.484	0.096	0.138	-4.5945	451.173	1
45205_5205	45205	5205	-59.9745	-16.206	-0.198	0.4995	7.8555	-736.244	1
45205_5206	45205	5206	27.321	-69.5505	0.126	-0.279	-2.886	675.945	1
45206_5206	45206	5206	-54.1065	-21.6555	-0.1245	-0.5655	5.8005	-870.384	1
45206_5207	45206	5207	24.225	-61.557	0.078	0.4335	-1.581	841.2135	1
45207_5207	45207	5207	-47.496	-21.915	-0.102	-0.0615	4.2855	-973.58	1
45207_5208	45207	5208	22.2705	-60.546	0.024	0.0015	-0.78	1017.254	1
45208_5208	45208	5208	-41.0025	-27.915	-0.09	-0.042	3.0705	-1084.96	1
45208_5209	45208	5209	21.4245	-52.23	0.0135	0	-0.1545	1124.333	1
45209_5209	45209	5209	-34.806	-34.749	-0.0765	-0.0285	2.0295	-1154	1
45209_5210	45209	5210	21.7155	-44.421	0.0015	-0.0045	0.288	1167.384	1
45210_5210	45210	5210	-29.769	-32.2515	-0.0435	-0.8865	1.203	-1177.39	1
45210_5211	45210	5211	22.668	-49.5495	-0.0375	0.9855	0.393	1227.317	1
45211_5211	45211	5211	-26.6925	-37.4325	-0.078	0.9765	0.7515	-1220.8	1
45211_5212	45211	5212	24.222	-43.497	-0.0075	-1.0035	0.5265	1248.023	1
45212_5212	45212	5212	-24.414	-43.161	-0.0255	-0.9855	0.201	-1240.26	1
45212_5213	45212	5213	26.418	-37.7535	-0.0585	0.9765	0.342	1233.017	1
45213_5213	45213	5213	-22.7895	-49.2015	-0.054	1.0005	-0.015	-1224.2	1
45213_5214	45213	5214	29.3865	-32.5515	-0.0255	-0.9015	0.24	1193.816	1
45214_5214	45214	5214	-21.777	-44.2245	0.0345	0.4545	-0.264	-1169.06	1
45214_5215	45214	5215	34.251	-35.0325	-0.015	-0.6975	0.1455	1175.69	1
45215_5215	45215	5215	-21.411	-52.0095	0.066	-0.7755	0.102	-1131.21	1
45215_5216	45215	5216	40.2345	-28.1925	-0.0705	0.684	-0.39	1111.764	1
45216_5216	45216	5216	-22.179	-60.3015	0.0405	0.4335	0.6765	-1029.62	1
45216_5217	45216	5217	46.4865	-22.173	-0.033	-0.576	-0.8115	1004.948	1
45217_5217	45217	5217	-24.03	-61.4985	-0.156	0.1785	1.0095	-859.299	1
45217_5218	45217	5218	52.818	-21.8115	-0.0165	-2.3355	-1.128	904.9095	1
45218_5218	45218	5218	-27.009	-69.459	-0.0585	0.1155	0.0855	-698.175	1
45218_5219	45218	5219	58.3965	-16.3575	-0.1155	-1.539	-2.163	773.5605	1
45219_5219	45219	5219	-31.1025	-77.367	0.213	-2.052	0.489	-479.358	1
45219_5220	45219	5220	64.9605	-11.01	-0.4755	1.86	-6.6165	578.04	1
45220_5220	45220	5220	-10.95	-4.8765	-0.219	0.3	7.7415	-260.936	1
45220_5221	45220	5221	-37.8345	-82.7205	0.021	-1.152	-1.0545	446.58	1
45221_5221	45221	5221	13.542	-11.0325	-0.1095	-0.789	1.527	-650.211	1
45221_5222	45221	5222	-38.88	-72.162	0.069	-0.5655	-0.5745	797.418	1
45222_5222	45222	5222	18.9015	-14.952	0.162	1.6455	-0.4395	-968.09	1
45222_5223	45222	5223	-39.816	-67.755	-0.054	-2.679	-2.577	1138.559	1
45223_5223	45223	5223	24.879	-23.88	0.03	-2.532	1.392	-1256.43	1
45223_5224	45223	5224	-39.6015	-58.2675	0.084	0.903	-2.8755	1310.336	1
45224_5224	45224	5224	29.8275	-23.124	0.1395	3.1815	2.1675	-1411.95	1
45224_5225	45224	5225	-39.45	-62.556	-0.192	-4.149	-4.9635	1478.153	1
45225_5225	45225	5225	32.673	-29.0055	0.048	-1.9305	3.4065	-1546.93	1
45225_5226	45225	5226	-39.594	-49.0515	-0.0345	0.672	-6.237	1643.274	1
45226_5226	45226	5226	36.3465	-29.6205	0.0885	2.892	5.2005	-1667.47	1
45226_5227	45226	5227	-39.813	-51.39	-0.1905	-4.194	-8.4915	1785.798	1
45227_5227	45227	5227	38.133	-39.108	-0.036	-3.5595	6.9135	-1782.58	1
45227_5228	45227	5228	-39.885	-41.121	-0.051	2.289	-9.318	1798.527	1
45228_5228	45228	5228	39.0315	-36.5085	0.159	3.039	7.41	-1795.43	1
45228_5229	45228	5229	-39.7605	-43.9125	-0.291	-4.3695	-13.029	1850.018	1
45229_5229	45229	5229	39.537	-46.5405	0.033	-3.6315	10.455	-1842.12	1
45229_5230	45229	5230	-39.246	-33.978	-0.1575	2.3955	-15.3045	1776.647	1
45230_5230	45230	5230	39.7875	-44.3115	0.2745	2.0805	12.3435	-1762.68	1
45230_5231	45230	5231	-37.9935	-35.838	-0.255	-3.3	-18.738	1741.551	1
45231_5231	45231	5231	39.9	-55.005	0.1545	-2.6235	16.9605	-1713.58	1

45231_5232	45231	5232	-35.7615	-26.3985	-0.138	1.6035	-20.4015	1594.994	1
45232_5232	45232	5232	39.792	-54.8445	-0.084	1.3725	19.902	-1527.77	1
45232_5233	45232	5233	-33.429	-29.2095	0.231	-2.607	-17.7255	1514.925	1
45233_5233	45233	5233	39.8565	-62.7435	-0.168	-0.183	19.041	-1409.36	1
45233_5234	45233	5234	-31.179	-24.2265	0.2655	-0.483	-15.5925	1415.859	1
45234_5234	45234	5234	40.164	-68.622	-0.291	-3.048	17.484	-1275.75	1
45234_5235	45234	5235	-28.3215	-19.278	0.318	2.349	-12.8655	1270.262	1
45235_5235	45235	5235	39.8865	-68.8905	1.9755	1.572	14.5275	-1091.22	1
45235_5236	45235	5236	-25.9395	-20.712	-2.0235	-3.3195	-23.5455	1181.894	1
45236_5236	45236	5236	40.2975	-73.029	1.932	-0.594	24.7035	-981.554	1
45236_5237	45236	5237	-22.431	-15.4365	-1.8315	-0.1275	-38.796	1015.2	1
45237_5237	45237	5237	39.9765	-80.025	1.9035	-2.397	41.22	-757.332	1
45237_5238	45237	5238	-19.7115	-11.8905	-1.68	1.914	-48.6825	854.235	1
45238_5238	45238	5238	38.673	-64.3695	-2.1945	1.5495	54.1785	-546.837	1
45238_5239	45238	5239	-15.192	-19.419	2.16	-2.4495	-24.0555	710.3175	1
45239_5239	45239	5239	39.7635	-71.3265	-2.3205	-0.225	31.3785	-389.366	1
45239_5240	45239	5240	-10.986	-12.819	2.061	-0.066	0.573	484.2	1
45240_5240	45240	5240	-71.3415	-18.456	1.3785	-0.0135	-11.043	-784.559	1
45240_5241	45240	5241	43.038	-62.562	-1.293	-0.7845	-2.9565	722.3025	1
45241_5241	45241	5241	-64.5165	-27.9195	1.7475	-3.1275	5.2815	-963.188	1
45241_5242	45241	5242	40.8045	-56.9745	-1.3635	1.6875	-10.389	800.763	1
45242_5242	45242	5242	-61.0635	-33.0975	1.809	-3.642	15.189	-1007.55	1
45242_5243	45242	5243	38.8995	-51.108	-1.2645	1.566	-17.0835	848.9295	1
45243_5243	45243	5243	-56.7885	-20.9145	-1.2135	1.305	26.202	-1019.19	1
45243_5244	45243	5244	37.2105	-63.7755	0.702	-2.196	-6.282	1090.647	1
45244_5244	45244	5244	-50.6205	-27.603	-0.9675	-1.875	13.479	-1167.29	1
45244_5245	45244	5245	37.122	-54.1155	0.4245	0.8235	0.633	1238.525	1
45245_5245	45245	5245	-45.033	-30.8385	-0.3705	1.6275	3.498	-1257.07	1
45245_5246	45245	5246	38.535	-49.9065	0.138	-2.6655	3.669	1347.225	1
45246_5246	45246	5246	-40.7355	-39.186	-0.171	-2.1465	-0.5985	-1341.96	1
45246_5247	45246	5247	41.2245	-41.202	-0.048	1.2075	4.419	1357.194	1
45247_5247	45247	5247	-38.1855	-41.313	-0.291	1.4955	-2.3085	-1349.76	1
45247_5248	45247	5248	45.192	-39.4095	0.261	-2.5755	7.812	1354.827	1
45248_5248	45248	5248	-37.074	-49.8375	-0.1695	-1.941	-5.3445	-1343.51	1
45248_5249	45248	5249	51.177	-31.0185	0.066	0.9645	9.4215	1278.33	1
45249_5249	45249	5249	-37.3425	-54.333	-0.195	0.7305	-7.503	-1236.04	1
45249_5250	45249	5250	58.2285	-27.7275	0.198	-1.737	11.91	1190.613	1
45250_5250	45250	5250	-39.1545	-64.221	-0.105	-1.506	-10.2585	-1085.17	1
45250_5251	45250	5251	65.0925	-21.447	-0.042	0.843	11.2215	1060.86	1
45251_5251	45251	5251	-42.3315	-52.008	1.6065	1.0095	-11.925	-856.287	1
45251_5252	45251	5252	69.507	-34.521	-1.7385	-2.1045	0.048	1057.736	1
45252_5252	45252	5252	-45.1125	-57.315	1.818	0.33	-1.7955	-813.866	1
45252_5253	45252	5253	73.551	-29.214	-1.7625	-0.5685	-11.079	1022.631	1
45253_5253	45253	5253	-48.4665	-62.9565	2.07	-1.2405	10.7805	-740.574	1
45253_5254	45253	5254	79.3605	-21.9975	-1.779	1.6455	-26.8485	916.125	1
45254_5254	45254	5254	7.101	-27.72	2.9535	1.2435	26.0235	-569.396	1
45254_5255	45254	5255	-30.8415	-65.676	-1.6845	-6.8985	-18.693	259.4175	1
45255_5255	45255	5255	9.7545	-13.8945	-2.7075	0.492	33.4335	-596.319	1
45255_5256	45255	5256	-34.7025	-70.746	2.0025	-0.8145	13.9335	531.4035	1
45256_5256	45256	5256	13.6665	-21.975	-2.757	-1.9935	-3.7845	-850.781	1
45256_5257	45256	5257	-35.439	-63.687	1.881	-0.1005	32.736	661.707	1
45257_5257	45257	5257	17.6595	-13.0725	1.062	2.5785	-30.678	-968.327	1
45257_5258	45257	5258	-37.1145	-80.334	-0.987	-3.1845	25.9155	868.5645	1
45258_5258	45258	5258	20.0955	-16.437	1.002	0.924	-24.6525	-1120.89	1
45258_5259	45258	5259	-37.7385	-74.4375	-0.879	-1.704	18.6135	1067.751	1
45259_5259	45259	5259	23.0175	-20.859	0.906	-2.5185	-18.1005	-1269.63	1
45259_5260	45259	5260	-38.0955	-68.478	-0.795	0.6855	11.2845	1226.919	1
45260_5260	45260	5260	25.9815	-20.754	0.636	4.4745	-11.6415	-1393.91	1
45260_5261	45260	5261	-38.5935	-70.0485	-0.792	-5.3925	5.8755	1365.569	1
45261_5261	45261	5261	28.1025	-24.3615	0.588	-0.0645	-8.0565	-1504.81	1

45261_5262	45261	5262	-39.0345	-64.773	-0.6255	-0.834	0.8595	1502.367	1
45262_5262	45262	5262	30.231	-28.7115	0.6015	-1.5465	-4.0815	-1604.92	1
45262_5263	45262	5263	-40.4715	-54.522	-0.534	0.1065	-7.041	1664.97	1
45263_5263	45263	5263	33.6	-28.7385	0.177	2.4225	4.803	-1717.99	1
45263_5264	45263	5264	-41.9745	-55.008	-0.3795	-3.5775	-11.3685	1825.392	1
45264_5264	45264	5264	36.2745	-37.287	0.132	-2.0805	8.1525	-1841.25	1
45264_5265	45264	5265	-43.3275	-45.2475	-0.303	0.903	-15.3975	1871.909	1
45265_5265	45265	5265	38.4075	-35.9865	0.3435	3.3225	11.619	-1879.98	1
45265_5266	45265	5266	-44.4435	-46.8825	-0.5025	-4.731	-21.636	1942.754	1
45266_5266	45266	5266	40.2165	-45.3345	0.237	-3.306	17.6235	-1941.02	1
45266_5267	45266	5267	-45.153	-37.665	-0.348	1.959	-25.923	1899.899	1
45267_5267	45267	5267	41.7555	-43.539	0.3735	3.63	22.467	-1892.27	1
45267_5268	45267	5268	-45.2265	-39.372	-0.3675	-5.2335	-30.0645	1889.865	1
45268_5268	45268	5268	43.1415	-53.103	0.1755	-4.0755	28.4655	-1869.35	1
45268_5269	45268	5269	-44.3775	-30.651	-0.1545	2.649	-31.209	1784.144	1
45269_5269	45269	5269	44.3055	-52.38	0.5565	2.925	31.5255	-1732.51	1
45269_5270	45269	5270	-43.0365	-33.504	-0.3375	-4.551	-33.3915	1730.817	1
45270_5270	45270	5270	44.961	-59.802	0.411	-0.9105	36.672	-1647.2	1
45270_5271	45270	5271	-41.0805	-27.027	-0.1965	-0.0075	-33.8535	1622.702	1
45271_5271	45271	5271	45.7155	-67.221	0.2745	-4.2075	39.7725	-1503.7	1
45271_5272	45271	5272	-39.129	-23.07	-0.087	3.195	-33.1905	1519.878	1
45272_5272	45272	5272	46.335	-65.439	1.689	1.9215	40.62	-1367.25	1
45272_5273	45272	5273	-36.546	-24.1005	-1.689	-3.4605	-43.3665	1418.063	1
45273_5273	45273	5273	46.872	-70.872	1.6785	-0.3465	51.492	-1225.3	1
45273_5274	45273	5274	-33.9075	-20.175	-1.548	-0.4635	-51.5085	1299.878	1
45274_5274	45274	5274	47.6295	-75.6645	1.617	-3.3315	61.575	-1082.74	1
45274_5275	45274	5275	-29.031	-14.3085	-1.281	2.3895	-61.41	1062.866	1
45275_5275	45275	5275	46.3035	-63.2925	-4.008	0.06	78	-762.522	1
45275_5276	45275	5276	-23.595	-22.9035	4.8	-1.44	-7.674	942.8025	1
45276_5276	45276	5276	45.612	-70.6245	-4.4565	-2.187	32.2125	-630.396	1
45276_5277	45276	5277	-19.3035	-16.9215	4.7595	1.752	43.368	767.382	1
45277_5277	45277	5277	43.308	-64.8825	1.395	-1.359	-18.384	-439.908	1
45277_5278	45277	5278	-14.9265	-23.91	-3.8055	4.4895	16.6995	668.6115	1
45278_5278	45278	5278	-69.3435	-27.0105	1.0965	1.4505	-3.645	-1025.55	1
45278_5279	45278	5279	44.4705	-57.7635	-1.989	-2.8845	-2.757	779.4015	1
45279_5279	45279	5279	-64.2465	-34.542	1.6155	-1.143	6.4725	-1085.44	1
45279_5280	45279	5280	42.3945	-52.242	-2.118	-0.8715	-15.549	830.778	1
45280_5280	45280	5280	-60.633	-24.918	-1.0395	1.3035	17.8485	-1082.72	1
45280_5281	45280	5281	40.293	-55.9755	0.7815	-1.653	-3.2775	1006.826	1
45281_5281	45281	5281	-53.823	-33.72	-0.8895	-1.209	6.084	-1179.22	1
45281_5282	45281	5282	40.5495	-44.1045	0.5085	0.39	5.244	1061.669	1
45282_5282	45282	5282	-47.0175	-32.601	-0.1845	1.098	-4.758	-1138.75	1
45282_5283	45282	5283	43.308	-44.508	-0.2415	-1.74	2.7885	1116.576	1
45283_5283	45283	5283	-42.4065	-43.5975	0.051	-1.8645	-5.955	-1170.78	1
45283_5284	45283	5284	48.198	-34.3875	-0.51	1.0095	-3.951	1077.374	1
45284_5284	45284	5284	-40.323	-38.16	0.363	0.738	-3.1665	-1078.01	1
45284_5285	45284	5285	54.9765	-38.3115	-0.126	-1.443	-7.2285	1113.264	1
45285_5285	45285	5285	-40.4655	-48.834	0.4335	-1.293	2.736	-1068.51	1
45285_5286	45285	5286	62.4465	-29.6205	-0.183	0.7365	-9.45	1058.28	1
45286_5286	45286	5286	-42.2985	-45.261	-0.9285	0.933	8.3805	-956.126	1
45286_5287	45286	5287	71.73	-33.111	0.699	-2.3475	-0.2475	1071.419	1
45287_5287	45287	5287	-46.4115	-56.217	-0.819	-1.2465	-1.8015	-885.314	1
45287_5288	45287	5288	80.568	-24.0525	0.1905	0.6855	1.0365	979.4145	1
45288_5288	45288	5288	-52.584	-51.6885	2.2785	3.366	-10.4415	-703.031	1
45288_5289	45288	5289	83.487	-38.802	-1.8405	-3.5085	-7.7145	999.285	1
45289_5289	45289	5289	-55.2705	-54.969	2.415	2.76	-0.642	-683.096	1
45289_5290	45289	5290	89.628	-31.5015	-1.6755	-1.9575	-25.8735	1010.121	1
45290_5290	45290	5290	1.32	-19.146	5.3565	-4.911	3.999	-624.921	1
45290_5291	45290	5291	-12.801	-68.6535	-3.306	2.985	-39.2235	693.9525	1
45291_5291	45291	5291	2.5995	-15.936	-4.0845	1.0545	57.495	-823.587	1

45291_5292	45291	5292	-11.5695	-70.62	3.0285	-1.6185	0.5415	992.562	1
45292_5292	45292	5292	3.354	-23.2365	-4.0305	-2.4915	10.6005	-1070.43	1
45292_5293	45292	5293	-9.855	-62.9775	2.7885	1.242	29.211	1189.077	1
45293_5293	45293	5293	4.6785	-16.9815	0.7575	2.706	-29.5785	-1234.7	1
45293_5294	45293	5294	-9.2415	-73.0485	-0.5625	-3.8325	24.5895	1409.466	1
45294_5294	45294	5294	5.367	-21.765	0.7125	0.3165	-24.6075	-1421.18	1
45294_5295	45294	5295	-8.0415	-66.6975	-0.5145	-0.9945	19.92	1596.072	1
45295_5295	45295	5295	6.015	-27.3675	0.6765	-2.985	-19.7715	-1584.07	1
45295_5296	45295	5296	-7.461	-60.081	-0.4725	1.9785	15.279	1755.122	1
45296_5296	45296	5296	6.405	-23.139	0.429	2.9445	-14.766	-1713.45	1
45296_5297	45296	5297	-7.503	-68.6175	-0.471	-3.852	13.089	1860.962	1
45297_5297	45297	5297	6.573	-25.9935	0.444	1.2885	-13.2495	-1809.93	1
45297_5298	45297	5298	-7.623	-60.7605	-0.435	-1.9725	8.5185	2059.025	1
45298_5298	45298	5298	6.906	-32.871	0.468	-2.9865	-9.3015	-1978.54	1
45298_5299	45298	5299	-7.7265	-53.367	-0.3825	2.2995	4.725	2173.637	1
45299_5299	45299	5299	7.1625	-27.828	0.0045	3.7635	-4.917	-2085.03	1
45299_5300	45299	5300	-7.842	-57.321	-0.0165	-5.133	4.5555	2371.637	1
45300_5300	45300	5300	7.4025	-36.453	-0.027	-4.011	-4.755	-2285.34	1
45300_5301	45300	5301	-7.9485	-47.5275	0.0075	3.075	4.509	2449.085	1
45301_5301	45301	5301	7.5825	-32.493	0.138	3.936	-5.001	-2388.18	1
45301_5302	45301	5302	-8.031	-51.996	-0.12	-5.1705	2.8065	2575.862	1
45302_5302	45302	5302	7.728	-41.988	0.1065	-4.77	-3.18	-2544.45	1
45302_5303	45302	5303	-8.0595	-42.999	-0.0825	3.705	1.71	2568.89	1
45303_5303	45303	5303	7.845	-36.5925	0.057	4.5285	-1.8825	-2569.28	1
45303_5304	45303	5304	-8.01	-47.4615	-0.021	-5.6805	1.374	2617.112	1
45304_5304	45304	5304	7.959	-46.503	0.015	-5.8455	-1.197	-2657.02	1
45304_5305	45304	5305	-7.8585	-38.8275	0.018	4.479	1.5945	2534.049	1
45305_5305	45305	5305	8.031	-40.3065	0.15	3.846	-1.179	-2613.5	1
45305_5306	45305	5306	-7.5315	-43.821	-0.114	-4.488	0.279	2497.494	1
45306_5306	45306	5306	8.0655	-49.5765	0.1185	-3.8715	0.3765	-2631.78	1
45306_5307	45306	5307	-6.969	-34.026	-0.081	2.688	-0.579	2311.137	1
45307_5307	45307	5307	8.0295	-44.448	0.0675	4.362	1.4595	-2513.77	1
45307_5308	45307	5308	-6.096	-36.822	-0.03	-4.563	-0.726	2132.987	1
45308_5308	45308	5308	7.881	-53.991	0.0315	-4.4055	1.848	-2444.17	1
45308_5309	45308	5309	-4.755	-25.3725	-0.0015	2.58	-0.45	1749.66	1
45309_5309	45309	5309	7.5585	-51.0615	0.0135	3.291	1.7325	-2216.45	1
45309_5310	45309	5310	-3.1725	-22.473	0.0735	-2.586	0.7125	1319.043	1
45310_5310	45310	5310	7.005	-62.154	-0.087	-3.3735	0.498	-1979.8	1
45310_5311	45310	5311	-2.034	-12.822	0.069	1.269	1.5375	896.3925	1
45311_5311	45311	5311	6.1335	-66.945	0.0975	1.38	-1.9575	-1528.7	1
45311_5312	45311	5312	-1.0845	-8.073	-0.039	-1.0815	0.375	503.622	1
45312_5312	45312	5312	4.761	-82.128	0.087	-2.2455	-0.9495	-858.704	1
45312_5313	45312	5313	2.364	-3.513	-0.9135	-0.27	0	13.569	1

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
5000_5000	5000	5000	2.7135	27.5685	-0.0615	0.045	0	9.222	1
5000_5001	5000	5001	72.603	-71.3745	0.048	-0.081	0.6165	557.946	1
5001_5001	5001	5001	3.579	-3.78	0.0405	-0.015	0.522	28.587	1
5001_5002	5001	5002	108.7095	-59.8425	0.0585	0.069	1.3305	833.0985	1
5002_5002	5002	5002	6.612	-3.8775	-0.0405	-0.018	0.7905	51.888	1
5002_5003	5002	5003	144.993	-49.614	-0.069	-0.1725	0.591	1108.754	1
5003_5003	5003	5003	10.4715	-3.8775	-0.0405	0.0105	0.3	81.141	1
5003_5004	5003	5004	163.6995	-37.962	-0.0735	0.1815	-0.279	1251.44	1
5004_5004	5004	5004	14.328	-3.8595	0.0045	-0.018	-0.1905	110.367	1
5004_5005	5004	5005	182.112	-41.577	0.009	-0.117	-0.216	1391.418	1
5005_5005	5005	5005	18.1605	-3.8625	0.0045	0.0105	-0.1335	139.491	1
5005_5006	5005	5006	187.509	-31.4685	0.009	0.147	-0.123	1432.446	1
5006_5006	5006	5006	22.008	-3.897	-0.0045	-0.036	-0.081	168.6465	1
5006_5007	5006	5007	197.3865	-37.269	-0.009	-0.2565	-0.234	1507.224	1
5007_5007	5007	5007	25.863	-3.903	-0.003	0.036	-0.1275	198.0525	1
5007_5008	5007	5008	195.7875	-27.5565	-0.0075	0.2505	-0.348	1494.909	1
5008_5008	5008	5008	29.7315	-3.993	0.0015	-0.0435	-0.1695	227.517	1
5008_5009	5008	5009	199.6185	-33.573	0.0045	-0.264	-0.309	1523.682	1
5009_5009	5009	5009	33.7065	-3.993	0.0015	0.051	-0.1575	257.646	1
5009_5010	5009	5010	192.4275	-4.2855	0.0045	0.279	-0.234	1469.421	1
5010_5010	5010	5010	37.683	-4.1535	-0.003	0.006	-0.144	287.775	1
5010_5011	5010	5011	192.3555	-10.581	-0.009	0.015	-0.3555	1468.614	1
5011_5011	5011	5011	41.8155	-4.1535	-0.003	0.006	-0.177	319.104	1
5011_5012	5011	5012	181.224	-0.3555	-0.0075	0.0105	-0.4605	1383.956	1
5012_5012	5012	5012	45.951	-4.467	0	-0.021	-0.21	350.4405	1
5012_5013	5012	5013	175.395	-6.2325	0.0195	-0.0915	-0.2295	1339.487	1
5013_5013	5013	5013	50.391	-4.485	0.0015	0.0405	-0.198	384.186	1
5013_5014	5013	5014	158.799	4.02	0.018	0.114	-0.015	1213.413	1
5014_5014	5014	5014	54.852	-4.887	-0.006	-0.021	-0.186	417.999	1
5014_5015	5014	5015	140.2995	2.709	-0.0315	-0.06	-0.558	1072.773	1
5015_5015	5015	5015	66.879	-4.7385	-0.0045	0.03	-0.2025	477.9495	1
5015_5016	5015	5016	133.881	-10.32	-0.018	0.0555	-0.4755	986.151	1
5016_5016	5016	5016	68.9475	-5.4405	0.0045	-0.024	-0.246	505.674	1
5016_5017	5016	5017	107.472	-12.5235	0.012	-0.0405	-0.3075	879.531	1
5017_5017	5017	5017	67.962	-5.31	0.0045	0.0405	-0.1905	560.79	1
5017_5018	5017	5018	67.4985	-2.85	0.012	0.0435	-0.1305	687.327	1
5018_5018	5018	5018	62.316	-6.1545	-0.0045	-0.0345	-0.1305	628.0275	1
5018_5019	5018	5019	36.7875	0.2445	-0.0015	-0.021	-0.153	478.188	1
5019_5019	5019	5019	55.3035	-6.3165	-0.0045	0.063	-0.168	704.49	1
5019_5020	5019	5020	16.7325	-1.287	-0.003	0.0255	-0.159	274.194	1
5020_5020	5020	5020	62.5665	35.0655	-0.0075	-0.0105	0.0885	527.409	1
5020_5021	5020	5021	100.6185	-45.09	0.0225	-0.0195	-0.3945	441.111	1
5021_5021	5021	5021	37.824	23.2395	-0.0045	-0.0045	-0.063	336.6015	1
5021_5022	5021	5022	108.654	-38.9985	0.0165	-0.015	-0.159	516.915	1
5022_5022	5022	5022	18.8715	16.8075	0	0.021	-0.1425	239.6655	1
5022_5023	5022	5023	112.4625	-32.418	0.0105	0.0315	-0.066	576.093	1
5023_5023	5023	5023	1.194	11.7105	0.003	0.009	-0.195	174.1455	1
5023_5024	5023	5024	117.936	-32.886	0.0045	0.0135	-0.0075	644.355	1
5024_5024	5024	5024	-11.1105	0.4635	-0.0015	-0.015	-0.2895	161.3505	1
5024_5025	5024	5025	119.496	-25.641	0.0075	-0.078	0.06	682.8375	1
5025_5025	5025	5025	-11.4555	0.4635	0.012	0.0255	-0.3	159.033	1
5025_5026	5025	5026	117.6135	-17.7945	0.0015	0.0795	0.0705	691.4415	1
5026_5026	5026	5026	-11.2335	-0.057	0.006	0	-0.2085	156.789	1
5026_5027	5026	5027	119.8845	-24.021	0.003	-0.015	0.093	718.842	1
5027_5027	5027	5027	-11.202	-0.057	0.006	-0.003	-0.171	157.0005	1
5027_5028	5027	5028	120.204	-18.1395	0.003	-0.0315	0.1035	729.4455	1
5028_5028	5028	5028	-9.978	-0.0585	0.006	0	-0.135	157.218	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5028_5029	5028	5029	117.3825	-12.0645	0.0015	-0.0255	0.108	716.28	1
5029_5029	5029	5029	-9.945	-0.0585	0.0135	0.024	-0.096	157.44	1
5029_5030	5029	5030	114.654	-21.4215	-0.0045	0.0705	0.0525	685.5945	1
5030_5030	5030	5030	-9.912	-0.8475	0.009	-0.0075	-0.0135	157.662	1
5030_5031	5030	5031	115.3155	-25.26	-0.003	-0.054	0.015	675.0255	1
5031_5031	5031	5031	-10.431	-0.9045	0.015	0.012	0.063	162.1695	1
5031_5032	5031	5032	112.329	-18.0105	-0.0075	0.0195	-0.054	634.578	1
5032_5032	5032	5032	-10.296	-0.9285	0.015	0.012	0.186	166.8045	1
5032_5033	5032	5033	105.342	-11.4885	-0.009	0.0135	-0.1425	564.561	1
5033_5033	5033	5033	-9.6015	-1.8855	0.018	-0.003	0.309	171.4605	1
5033_5034	5033	5034	99.969	-11.8965	-0.012	-0.0105	-0.2565	503.7135	1
5034_5034	5034	5034	13.482	-16.6725	0.003	-0.012	-0.195	229.6035	1
5034_5035	5034	5035	91.302	-5.961	-0.0135	-0.015	-0.3915	421.8585	1
5035_5035	5035	5035	31.746	-23.22	0.0075	0.027	-0.129	344.115	1
5035_5036	5035	5036	78.5745	-0.066	-0.0255	0.021	-0.8055	311.2905	1
5036_5036	5036	5036	85.7865	34.4265	0.009	-0.081	0.597	952.518	1
5036_5037	5036	5037	16.338	-50.952	-0.0015	-0.09	-0.246	437.592	1
5037_5037	5037	5037	76.7595	28.341	0.0015	0.1125	0.6915	657.231	1
5037_5038	5037	5038	42.111	-41.481	0.0045	0.036	-0.2775	623.2605	1
5038_5038	5038	5038	39.18	7.476	-0.0105	-0.0615	-0.2685	557.8365	1
5038_5039	5038	5039	73.5975	-37.3035	-0.0075	-0.099	-0.4065	787.4085	1
5039_5039	5039	5039	42.72	6.984	-0.006	0.045	-0.4125	473.43	1
5039_5040	5039	5040	94.0455	-27.546	-0.0015	0.0615	-0.5115	852.375	1
5040_5040	5040	5040	41.058	5.718	0.0105	-0.021	-0.4815	412.5855	1
5040_5041	5040	5041	107.142	-33.1485	0.012	-0.048	-0.4275	927.711	1
5041_5041	5041	5041	44.3805	5.568	0.006	0.006	-0.186	350.3295	1
5041_5042	5041	5042	130.3035	-19.266	0.006	0.012	-0.1125	914.919	1
5042_5042	5042	5042	35.9085	4.8255	-0.0015	0	-0.0945	297.7995	1
5042_5043	5042	5043	143.3475	-24.8415	-0.003	0	-0.147	993.5925	1
5043_5043	5043	5043	30.1845	4.8255	-0.0015	0	-0.1185	263.1405	1
5043_5044	5043	5044	146.163	-13.782	-0.003	-0.0015	-0.1875	1007.336	1
5044_5044	5044	5044	24.4605	4.5315	0.0015	0.0015	-0.141	228.4875	1
5044_5045	5044	5045	157.416	-36.1155	0	0.0045	-0.171	1063.329	1
5045_5045	5045	5045	19.083	4.5315	0.0015	0	-0.1275	195.918	1
5045_5046	5045	5046	154.3185	-25.4505	0	-0.003	-0.171	1041.842	1
5046_5046	5046	5046	24.0705	-4.665	0	-0.015	-0.0885	173.346	1
5046_5047	5046	5047	157.713	-14.817	0	-0.072	-0.162	1065.032	1
5047_5047	5047	5047	29.607	-4.665	0	0.0135	-0.09	206.8665	1
5047_5048	5047	5048	149.5335	-20.5755	0.003	0.06	-0.126	1009.829	1
5048_5048	5048	5048	35.1375	-4.8435	0	-0.0195	-0.084	240.357	1
5048_5049	5048	5049	147.3855	-25.914	0.003	-0.069	-0.093	995.4765	1
5049_5049	5049	5049	40.884	-4.8435	0.0015	0.021	-0.075	275.1525	1
5049_5050	5049	5050	134.727	-15.9015	0.0045	0.06	-0.03	915.651	1
5050_5050	5050	5050	46.344	-5.298	0.0015	-0.015	-0.0555	310.0515	1
5050_5051	5050	5051	126.2895	-19.1145	-0.003	-0.0345	-0.069	856.7745	1
5051_5051	5051	5051	51.8535	-5.229	0.003	0.0405	-0.0405	373.953	1
5051_5052	5051	5052	106.0185	-11.178	-0.0015	0.0795	-0.084	815.319	1
5052_5052	5052	5052	54.54	-5.886	-0.0015	-0.0465	-0.024	402.984	1
5052_5053	5052	5053	87.4635	-13.7265	-0.003	-0.078	-0.084	750.705	1
5053_5053	5053	5053	49.917	-6.135	0	0.0885	-0.045	483.9675	1
5053_5054	5053	5054	48.858	-4.0815	0.0015	0.1065	-0.096	635.553	1
5054_5054	5054	5054	46.509	-6.894	0	-0.081	-0.054	554.679	1
5054_5055	5054	5055	25.2225	-0.822	0	-0.0555	-0.075	449.7915	1
5055_5055	5055	5055	71.3685	-27.036	-0.006	0.0765	0.1965	635.94	1
5055_5056	5055	5056	14.667	-1.317	0	0.0375	-0.0525	226.626	1
5056_5056	5056	5056	51.405	34.4025	-0.0045	0.0075	0.075	484.746	1
5056_5057	5056	5057	95.4495	-44.892	0.0105	-0.006	-0.189	464.583	1
5057_5057	5057	5057	26.5155	22.899	-0.0045	-0.0195	-0.015	315.4785	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5057_5058	5057	5058	103.4805	-38.7375	0.009	-0.051	-0.081	559.1205	1
5058_5058	5058	5058	5.8305	13.8435	-0.0015	0.0345	-0.09	224.0205	1
5058_5059	5058	5059	108.06	-31.9695	0.006	0.069	-0.0315	626.22	1
5059_5059	5059	5059	-11.37	1.3215	-0.0165	-0.069	0.045	197.3775	1
5059_5060	5059	5060	114.027	-32.571	0.009	-0.2055	0.0525	701.9355	1
5060_5060	5060	5060	-12.2835	1.3215	-0.006	0.018	-0.087	190.44	1
5060_5061	5060	5061	116.184	-25.2285	0.003	0.096	0.078	745.152	1
5061_5061	5061	5061	-13.1955	1.3215	-0.006	0.018	-0.138	183.513	1
5061_5062	5061	5062	114.924	-17.313	0.003	0.0885	0.099	755.4885	1
5062_5062	5062	5062	-13.305	0.396	-0.0075	-0.0375	-0.189	176.634	1
5062_5063	5062	5063	115.707	-38.9625	0	-0.1095	0.093	786.168	1
5063_5063	5063	5063	-13.5105	0.396	-0.009	-0.0405	-0.2355	175.0785	1
5063_5064	5063	5064	117.747	-32.9205	0	-0.1365	0.0945	797.91	1
5064_5064	5064	5064	-13.7145	0.396	-0.0015	0.0165	-0.2865	173.526	1
5064_5065	5064	5065	115.6455	-11.955	-0.0015	0.1215	0.099	784.6815	1
5065_5065	5065	5065	-13.92	0.396	-0.0015	0.0165	-0.2925	171.9705	1
5065_5066	5065	5066	114.099	-21.609	-0.003	0.09	0.057	753.516	1
5066_5066	5066	5066	-14.124	-0.171	-0.003	-0.0255	-0.2985	170.4225	1
5066_5067	5066	5067	115.029	-25.752	-0.003	-0.051	0.027	742.2375	1
5067_5067	5067	5067	-14.7885	-0.192	-0.003	-0.0255	-0.3285	171.4125	1
5067_5068	5067	5068	112.5645	-18.429	-0.003	-0.0615	-0.009	698.4045	1
5068_5068	5068	5068	-13.641	-0.75	0.012	0.0405	0.075	172.6785	1
5068_5069	5068	5069	106.35	-11.8245	-0.0075	0.087	-0.078	622.6335	1
5069_5069	5069	5069	-13.1205	-1.551	0.0105	-0.0315	0.1725	176.619	1
5069_5070	5069	5070	101.631	-12.3675	-0.006	-0.1125	-0.1335	556.3245	1
5070_5070	5070	5070	5.538	-14.0745	0.003	0.0015	-0.162	229.2375	1
5070_5071	5070	5071	93.444	-6.2475	-0.0105	0.015	-0.2355	465.4875	1
5071_5071	5071	5071	26.2995	-23.04	0.006	0.036	-0.078	325.0065	1
5071_5072	5071	5072	81.558	-0.123	-0.018	0.0435	-0.4755	337.7205	1
5072_5072	5072	5072	73.794	38.793	0.003	-0.0555	0.3525	873.333	1
5072_5073	5072	5073	18.639	-51.159	0.0015	-0.09	-0.192	454.269	1
5073_5073	5073	5073	40.0845	7.197	0.0045	0.087	-0.246	648.93	1
5073_5074	5073	5074	44.1525	-41.37	0.0045	0.0345	-0.1905	645.5655	1
5074_5074	5074	5074	45.1935	6.24	0	-0.1035	-0.183	569.0505	1
5074_5075	5074	5075	75.153	-37.0665	0.003	-0.165	-0.18	816.4425	1
5075_5075	5075	5075	55.149	5.7945	0.0015	0.057	-0.1365	468.612	1
5075_5076	5075	5076	105.8925	-26.9385	0.006	0.0795	-0.105	838.083	1
5076_5076	5076	5076	54.4185	4.968	-0.0015	-0.0375	-0.108	417.0105	1
5076_5077	5076	5077	121.221	-32.8395	-0.003	-0.084	-0.1305	919.8705	1
5077_5077	5077	5077	47.964	5.0445	-0.0015	0.03	-0.1785	395.802	1
5077_5078	5077	5078	121.269	-20.316	0.0015	0.063	-0.2085	1009.271	1
5078_5078	5078	5078	42.1815	4.6185	0	-0.0495	-0.2055	350.6235	1
5078_5079	5078	5079	136.3215	-42.4815	-0.0045	-0.1755	-0.2445	1107.989	1
5079_5079	5079	5079	37.6935	4.6185	0.0015	0.051	-0.201	318.09	1
5079_5080	5079	5080	140.5935	-32.484	-0.0015	0.144	-0.2535	1134.831	1
5080_5080	5080	5080	33.207	4.3875	0	-0.0405	-0.177	285.5625	1
5080_5081	5080	5081	150.5985	-38.2185	0	-0.1965	-0.249	1204.352	1
5081_5081	5081	5081	28.9425	4.3875	0.0015	0.0405	-0.1755	254.655	1
5081_5082	5081	5082	149.901	-28.266	0.0045	0.153	-0.1965	1197.686	1
5082_5082	5082	5082	24.681	4.272	0.0015	0.0015	-0.1575	223.7565	1
5082_5083	5082	5083	155.352	-33.7455	-0.0015	-0.003	-0.204	1237.118	1
5083_5083	5083	5083	21.3795	-4.128	0	0	-0.1365	192.312	1
5083_5084	5083	5084	149.2665	-5.67	-0.0015	0.006	-0.219	1193.045	1
5084_5084	5084	5084	25.6905	-4.215	-0.0015	-0.039	-0.1365	223.566	1
5084_5085	5084	5085	149.7105	-12.4245	0	-0.1815	-0.216	1196.237	1
5085_5085	5085	5085	29.7855	-4.215	0	0.042	-0.153	253.2525	1
5085_5086	5085	5086	139.4505	-1.968	0.0045	0.1845	-0.1695	1123.181	1
5086_5086	5086	5086	33.5205	-4.4415	0.003	-0.051	-0.1545	282.9855	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5086_5087	5086	5087	135.117	-8.2695	0.0045	-0.174	-0.1185	1094.154	1
5087_5087	5087	5087	37.8345	-4.4415	0.0045	0.0525	-0.123	314.262	1
5087_5088	5087	5088	121.506	-15.7905	0.0075	0.1455	-0.0285	1000.664	1
5088_5088	5088	5088	42.153	-4.794	-0.003	-0.03	-0.075	345.5715	1
5088_5089	5088	5089	112.755	-18.4935	-0.0045	-0.0765	-0.099	932.7405	1
5089_5089	5089	5089	46.9635	-4.737	-0.0015	0.0645	-0.0975	405.324	1
5089_5090	5089	5090	97.2975	-11.745	-0.0015	0.1245	-0.1005	892.146	1
5090_5090	5090	5090	48.951	-5.4105	-0.0015	-0.0915	-0.1125	433.158	1
5090_5091	5090	5091	79.1355	-14.1735	-0.0015	-0.156	-0.108	814.05	1
5091_5091	5091	5091	47.9955	-5.5935	0.0015	0.0915	-0.147	489.7905	1
5091_5092	5091	5092	47.076	-4.1055	0.003	0.108	-0.099	647.592	1
5092_5092	5092	5092	44.142	-6.414	-0.0015	-0.036	-0.144	556.047	1
5092_5093	5092	5093	23.529	-0.987	-0.0015	-0.024	-0.129	453.168	1
5093_5093	5093	5093	38.8605	-6.7845	0	0.06	-0.1455	630.798	1
5093_5094	5093	5094	3.561	6.7215	0.0015	0.027	-0.1095	189.8865	1
5094_5094	5094	5094	49.224	33.6585	-0.0015	-0.018	0.015	484.6785	1
5094_5095	5094	5095	91.9785	-45.0135	0.012	-0.0465	-0.1935	464.3415	1
5095_5095	5095	5095	23.6295	22.3995	0	-0.0045	-0.0645	323.769	1
5095_5096	5095	5096	96.6735	-38.859	0.0105	-0.0315	-0.1245	572.361	1
5096_5096	5096	5096	4.0725	13.587	0.006	0.0525	-0.135	230.9835	1
5096_5097	5096	5097	100.599	-31.926	0.003	0.09	-0.0915	640.584	1
5097_5097	5097	5097	-15.003	0.8385	-0.009	-0.024	0.0945	191.9625	1
5097_5098	5097	5098	106.0095	-32.817	0.0045	-0.042	-0.048	719.139	1
5098_5098	5098	5098	-15.5415	0.8385	-0.009	-0.024	0.027	187.4085	1
5098_5099	5098	5099	107.826	-25.3185	0.003	-0.0555	-0.015	763.545	1
5099_5099	5099	5099	-14.58	0.7815	0	0.0195	-0.042	182.961	1
5099_5100	5099	5100	106.41	-17.2395	0	0.114	-0.012	772.929	1
5100_5100	5100	5100	-15.0825	0.048	0.0015	0.048	-0.045	178.719	1
5100_5101	5100	5101	107.1975	-39.243	-0.0045	0.2415	-0.021	805.7355	1
5101_5101	5101	5101	-15.105	0.048	0.012	0.1065	-0.0375	178.5255	1
5101_5102	5101	5102	109.224	-33.087	-0.009	0.534	-0.0735	818.7285	1
5102_5102	5102	5102	-15.1275	0.048	-0.0315	-0.1275	0.036	178.3305	1
5102_5103	5102	5103	108.501	-27.1155	0.006	-0.477	-0.048	805.4595	1
5103_5103	5103	5103	-15.15	0.048	-0.021	-0.0705	-0.15	178.137	1
5103_5104	5103	5104	106.008	-21.594	0.0015	-0.195	-0.048	773.265	1
5104_5104	5104	5104	-15.174	-0.4215	-0.012	-0.0405	-0.273	177.945	1
5104_5105	5104	5105	107.274	-26.151	0	-0.1275	-0.06	763.833	1
5105_5105	5105	5105	-13.8555	-0.906	0.009	0.0225	0.111	180.7545	1
5105_5106	5105	5106	105.306	-18.657	-0.0045	0.042	-0.1035	719.3985	1
5106_5106	5106	5106	-13.275	-0.906	0.009	0.024	0.1845	185.667	1
5106_5107	5106	5107	99.7425	-11.8995	-0.006	0.0345	-0.1605	640.665	1
5107_5107	5107	5107	-12.6915	-1.719	0.0075	-0.0075	0.261	190.5885	1
5107_5108	5107	5108	95.6715	-12.6225	-0.006	-0.027	-0.2295	572.3685	1
5108_5108	5108	5108	3.36	-13.542	-0.0015	-0.0285	-0.183	232.164	1
5108_5109	5108	5109	88.155	-6.3195	-0.0075	-0.0405	-0.309	477.2385	1
5109_5109	5109	5109	24.48	-22.2795	0.003	0.0345	-0.0765	317.7525	1
5109_5110	5109	5110	79.0755	-0.018	-0.0135	0.0345	-0.429	334.5885	1
5110_5110	5110	5110	71.664	37.158	0.003	-0.06	0.363	875.46	1
5110_5111	5110	5111	18.5745	-50.988	0.0015	-0.084	-0.1935	460.404	1
5111_5111	5111	5111	38.835	7.203	0.003	0.0825	-0.2715	647.439	1
5111_5112	5111	5112	43.3095	-40.911	0.006	0.036	-0.1695	650.628	1
5112_5112	5112	5112	44.004	6.2505	-0.003	-0.0615	-0.222	567.7815	1
5112_5113	5112	5113	73.275	-36.711	-0.0045	-0.099	-0.252	820.6155	1
5113_5113	5113	5113	48.9	5.9775	-0.0015	0.06	-0.2175	490.569	1
5113_5114	5113	5114	93.1665	-26.304	-0.0015	0.081	-0.258	877.6305	1
5114_5114	5114	5114	48.36	5.2665	0.006	-0.0165	-0.234	436.185	1
5114_5115	5114	5115	105.4755	-32.358	0.0105	-0.0345	-0.174	953.772	1
5115_5115	5115	5115	51.1335	5.2755	0.006	0.0045	-0.1515	365.1225	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5115_5116	5115	5116	125.301	-19.188	0.0105	0.0075	-0.0015	908.4345	1
5116_5116	5116	5116	44.535	4.803	-0.003	-0.0165	-0.078	320.3115	1
5116_5117	5116	5117	136.95	-25.188	-0.009	-0.0555	-0.0885	983.2515	1
5117_5117	5117	5117	39.4995	4.803	-0.0015	0.0165	-0.105	288.0615	1
5117_5118	5117	5118	139.491	-14.5035	-0.0075	0.0495	-0.171	997.494	1
5118_5118	5118	5118	34.4625	4.626	0.0015	-0.0105	-0.126	255.813	1
5118_5119	5118	5119	148.6935	-21.1545	0.006	-0.057	-0.1095	1053.945	1
5119_5119	5119	5119	29.6115	4.626	0.003	0.015	-0.1035	224.751	1
5119_5120	5119	5120	147.141	-10.422	0.0075	0.057	-0.027	1041.636	1
5120_5120	5120	5120	24.7605	4.5345	0	-0.024	-0.0735	193.689	1
5120_5121	5120	5121	153.0855	-16.7775	-0.0045	-0.1695	-0.078	1078.13	1
5121_5121	5121	5121	19.65	4.5345	0.0015	0.027	-0.078	160.959	1
5121_5122	5121	5122	145.4745	-5.166	0	0.1575	-0.0765	1029.255	1
5122_5122	5122	5122	15.1935	-3.078	-0.0015	-0.009	-0.027	143.604	1
5122_5123	5122	5123	145.1895	-12.3525	0.0015	-0.0555	-0.0525	1028.741	1
5123_5123	5123	5123	18.4215	-3.078	0	0.0105	-0.0375	164.2725	1
5123_5124	5123	5124	133.0335	-1.533	0.003	0.0555	-0.018	953.5575	1
5124_5124	5124	5124	21.408	-3.309	0	-0.0225	-0.0405	184.9545	1
5124_5125	5124	5125	127.6725	-8.1405	0	-0.102	-0.0225	922.995	1
5125_5125	5125	5125	24.819	-3.312	0.0015	0.024	-0.033	207.1815	1
5125_5126	5125	5126	111.666	-14.46	0.0045	0.084	0.021	830.58	1
5126_5126	5126	5126	28.2915	-3.732	0	-0.015	-0.009	229.419	1
5126_5127	5126	5127	102.3255	-17.5485	0	-0.045	0.0375	768.2385	1
5127_5127	5127	5127	34.1565	-3.7365	0	0.0195	-0.0135	263.6775	1
5127_5128	5127	5128	91.512	-10.629	0.0015	0.045	0.048	703.014	1
5128_5128	5128	5128	36.2295	-4.527	0	-0.03	-0.0105	284.082	1
5128_5129	5128	5129	73.5915	-13.506	0	-0.06	0.051	639.7455	1
5129_5129	5129	5129	32.5575	-4.902	0.0015	0.0615	-0.0075	347.826	1
5129_5130	5129	5130	36.726	-3.477	0.0075	0.081	0.153	524.052	1
5130_5130	5130	5130	64.0485	-20.7615	-0.0015	-0.0435	0.012	469.671	1
5130_5131	5130	5131	16.077	-1.8285	-0.0165	-0.0255	-0.0405	354.0945	1
5131_5131	5131	5131	74.121	-26.751	0	0.0465	0.0285	692.565	1
5131_5132	5131	5132	19.7295	-3.9465	-0.003	0.012	-0.1035	217.6425	1
5132_5132	5132	5132	54.399	35.3205	0	0.024	0.0705	481.899	1
5132_5133	5132	5133	89.9175	-45.363	-0.0105	0.207	-0.12	398.4225	1
5133_5133	5133	5133	32.289	24.162	0.003	0.102	0.045	291.963	1
5133_5134	5133	5134	99.615	-38.7465	-0.015	0.252	-0.1965	477.207	1
5134_5134	5134	5134	-11.016	2.754	-0.0315	-0.2025	0.3255	204.7725	1
5134_5135	5134	5135	104.2455	-31.614	0.027	-0.378	0.0465	538.6695	1
5135_5135	5135	5135	-11.871	1.9995	-0.0015	-0.015	0.0915	191.58	1
5135_5136	5135	5136	111.2055	-33.4275	-0.006	-0.0375	0.0105	614.5755	1
5136_5136	5136	5136	-13.3485	1.9995	0.003	0.012	0.075	181.497	1
5136_5137	5136	5137	113.6835	-25.746	-0.0075	0.0555	-0.054	657.1275	1
5137_5137	5137	5137	-14.826	1.9995	-0.0015	-0.0135	0.1035	171.4125	1
5137_5138	5137	5138	112.086	-17.4675	-0.0045	-0.0375	-0.09	666.057	1
5138_5138	5138	5138	-14.8185	1.2195	-0.006	-0.018	0.084	161.5395	1
5138_5139	5138	5139	112.641	-38.6745	0.003	-0.069	-0.0495	701.703	1
5139_5139	5139	5139	-15.4935	1.2195	0.0015	0.012	0.0465	156.924	1
5139_5140	5139	5140	114.7605	-32.316	0.0015	0.0675	-0.0405	715.2915	1
5140_5140	5140	5140	-16.17	1.2195	-0.006	-0.018	0.0525	152.31	1
5140_5141	5140	5141	113.5005	-26.1555	0.003	-0.069	-0.0255	703.479	1
5141_5141	5141	5141	-17.1885	1.2165	0.0015	0.012	0.015	147.696	1
5141_5142	5141	5142	110.043	-20.4705	0	0.057	-0.021	673.485	1
5142_5142	5142	5142	-17.8635	0.7905	-0.0045	-0.003	0.0225	143.0895	1
5142_5143	5142	5143	110.9295	-25.347	0	-0.003	-0.03	666.717	1
5143_5143	5143	5143	-4.3455	-2.5485	-0.003	0	0.033	145.6395	1
5143_5144	5143	5144	107.7435	-17.655	0	-0.003	-0.0345	626.1615	1
5144_5144	5144	5144	-2.82	-2.559	-0.003	0	0.0135	158.502	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5144_5145	5144	5145	100.098	-10.7265	0	-0.003	-0.0375	552.2085	1
5145_5145	5145	5145	-0.933	-3.5925	0.003	0.012	-0.006	171.402	1
5145_5146	5145	5146	94.176	-11.421	0.0015	0.015	-0.021	488.037	1
5146_5146	5146	5146	10.35	-15.084	-0.003	0.015	-0.009	208.821	1
5146_5147	5146	5147	84.3705	-5.007	0.0015	0.0195	-0.0075	398.9115	1
5147_5147	5147	5147	28.71	-23.769	-0.0045	-0.042	-0.0225	312.231	1
5147_5148	5147	5148	69.7425	1.368	0.0045	-0.039	0.03	275.1915	1
5148_5148	5148	5148	92.2305	34.6305	0	-0.039	0.042	899.145	1
5148_5149	5148	5149	10.5975	-50.229	-0.0015	-0.0285	0.018	404.3325	1
5149_5149	5149	5149	83.649	25.707	-0.003	0.042	0.039	617.5845	1
5149_5150	5149	5150	33.5535	-40.2525	0	0.018	-0.006	577.0875	1
5150_5150	5150	5150	32.6535	7.2105	-0.0015	-0.015	-0.0465	494.4	1
5150_5151	5150	5151	61.0095	-35.913	0	-0.018	0.0015	725.502	1
5151_5151	5151	5151	40.476	6.5175	0	0.003	-0.0525	388.041	1
5151_5152	5151	5152	87.528	-25.737	0	0.0045	0.0015	722.385	1
5152_5152	5152	5152	38.466	5.628	0	-0.0015	-0.06	334.1565	1
5152_5153	5152	5153	99.525	-31.6305	0	-0.0015	-0.003	784.53	1
5153_5153	5153	5153	38.025	5.5275	0	0	-0.048	289.941	1
5153_5154	5153	5154	111.9855	-18.972	0	-0.0015	-0.0075	785.544	1
5154_5154	5154	5154	30.4035	5.148	0	0	-0.045	245.5425	1
5154_5155	5154	5155	122.205	-24.303	0	-0.0015	-0.0105	847.218	1
5155_5155	5155	5155	24.5475	5.148	0	0	-0.0435	212.343	1
5155_5156	5155	5156	122.6805	-13.5615	0	-0.0015	-0.0135	850.9935	1
5156_5156	5156	5156	18.6915	5.007	0	0	-0.042	179.1435	1
5156_5157	5156	5157	128.685	-19.7265	-0.0015	-0.0015	-0.0255	885.2385	1
5157_5157	5157	5157	13.5075	5.007	0	0	-0.0435	149.757	1
5157_5158	5157	5158	125.1405	-9.9105	-0.0015	-0.003	-0.0405	864.8865	1
5158_5158	5158	5158	8.742	4.9635	0.0015	0.003	-0.0435	120.4305	1
5158_5159	5158	5159	127.9905	-30.807	0.0015	0.0285	-0.0195	882.282	1
5159_5159	5159	5159	10.401	-4.3815	-0.0015	-0.0045	-0.033	133.326	1
5159_5160	5159	5160	121.683	-21.567	-0.0015	-0.024	-0.0285	846.8235	1
5160_5160	5160	5160	14.9385	-4.5675	0	0	-0.0405	159.045	1
5160_5161	5160	5161	120.8445	-26.2365	0.0015	-0.0015	-0.018	841.5795	1
5161_5161	5161	5161	20.1345	-4.5675	0	0	-0.0345	188.505	1
5161_5162	5161	5162	110.2965	-16.53	0.0015	-0.0015	0	778.632	1
5162_5162	5162	5162	25.3335	-5.0205	-0.003	-0.0045	-0.03	217.968	1
5162_5163	5162	5163	104.6925	-18.8655	-0.0045	-0.015	-0.069	738.5085	1
5163_5163	5163	5163	30.387	-5.1555	-0.003	0.0105	-0.078	267.2655	1
5163_5164	5163	5164	87.7665	-12.123	-0.0045	0.024	-0.1065	699.447	1
5164_5164	5164	5164	33.6255	-6.132	0.003	0.0165	-0.1005	294.402	1
5164_5165	5164	5165	71.4195	-14.3385	0.0045	0.0315	-0.0615	645.858	1
5165_5165	5165	5165	32.802	-6.6915	0.0015	-0.0225	-0.072	361.851	1
5165_5166	5165	5166	37.245	-4.6605	0.0015	-0.0315	-0.033	531.2655	1
5166_5166	5166	5166	31.1745	-8.049	-0.0015	-0.0255	-0.0435	431.832	1
5166_5167	5166	5167	14.619	-1.3455	-0.0015	-0.018	-0.036	363.192	1
5167_5167	5167	5167	89.7225	-25.1475	-0.0015	0.0315	0.078	633.0105	1
5167_5168	5167	5168	30.2445	-3.084	0	0.0075	0.0165	217.329	1
5168_5168	5168	5168	62.3265	34.185	0	-0.024	-0.018	487.701	1
5168_5169	5168	5169	88.221	-46.011	0.0015	-0.021	-0.027	390.0165	1
5169_5169	5169	5169	34.884	24.786	0.0015	0.021	-0.0195	299.001	1
5169_5170	5169	5170	99.801	-39.732	-0.0015	0.033	-0.027	472.1805	1
5170_5170	5170	5170	12.9015	15.744	0	-0.006	-0.018	202.2165	1
5170_5171	5170	5171	106.6725	-32.9265	0	-0.0255	-0.021	536.628	1
5171_5171	5171	5171	0.6825	2.454	0.0015	0.0135	0.03	172.38	1
5171_5172	5171	5172	115.173	-33.447	-0.0015	0.054	-0.0225	609.579	1
5172_5172	5172	5172	-1.2405	2.454	-0.0015	-0.009	0.042	160.4355	1
5172_5173	5172	5173	119.196	-26.0055	0	-0.024	-0.015	652.245	1
5173_5173	5173	5173	-2.7975	2.448	-0.0015	-0.009	0.0315	148.518	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5173_5174	5173	5174	119.0985	-17.9595	0	-0.0225	-0.0105	664.107	1
5174_5174	5174	5174	-4.716	1.6695	0.0015	0.0105	0.0225	136.602	1
5174_5175	5174	5175	122.5605	-38.7315	-0.0015	0.06	-0.003	694.1745	1
5175_5175	5175	5175	-5.697	1.6695	-0.0015	-0.0135	0.03	130.5105	1
5175_5176	5175	5176	124.2975	-18.5295	0	-0.066	-0.0045	706.6245	1
5176_5176	5176	5176	-6.6765	1.6695	0.0015	0.009	0.0165	124.419	1
5176_5177	5176	5177	122.2455	-12.339	0	0.06	-0.0075	695.4555	1
5177_5177	5177	5177	-13.779	-1.4085	-0.0015	-0.009	-0.039	129.405	1
5177_5178	5177	5178	121.4055	-20.9535	0	-0.0525	0	665.301	1
5178_5178	5178	5178	-12.561	-2.274	0	-0.0045	-0.0465	134.544	1
5178_5179	5178	5179	122.295	-25.0005	0	-0.0255	0.0045	654.162	1
5179_5179	5179	5179	-11.1615	-2.286	0	-0.0045	-0.0405	145.6635	1
5179_5180	5179	5180	119.055	-17.574	0	-0.0285	0.0075	612.3765	1
5180_5180	5180	5180	-9.3705	-2.286	0.0045	0.0165	-0.0345	156.789	1
5180_5181	5180	5181	111.312	-10.881	-0.0015	0.042	-0.0045	540.261	1
5181_5181	5181	5181	-7.5795	-3.258	-0.0015	-0.006	-0.0015	167.916	1
5181_5182	5181	5182	105.0675	-11.214	0	-0.033	-0.0045	476.154	1
5182_5182	5182	5182	15.717	-15.7905	0	0.021	-0.006	199.128	1
5182_5183	5182	5183	95.001	-5.1015	-0.0015	0.033	-0.0195	390.018	1
5183_5183	5183	5183	34.8945	-24.897	0	-0.0225	0.003	302.736	1
5183_5184	5183	5184	80.985	0.999	0.0015	-0.0165	-0.0105	268.548	1
5184_5184	5184	5184	94.2675	38.5815	0	0.036	-0.0285	940.4835	1
5184_5185	5184	5185	13.6935	-51.5115	0	0.018	0.006	349.1085	1
5185_5185	5185	5185	82.935	29.0145	0.0015	-0.03	-0.033	630.72	1
5185_5186	5185	5186	39.915	-42.1635	-0.0015	-0.0135	-0.003	525.7065	1
5186_5186	5186	5186	36.2415	5.799	-0.0015	0.0075	-0.0135	410.394	1
5186_5187	5186	5187	72.1905	-37.5675	-0.0015	0.0165	-0.0285	682.9275	1
5187_5187	5187	5187	41.232	5.4135	-0.0015	-0.009	-0.0225	334.533	1
5187_5188	5187	5188	98.8545	-27.7785	-0.003	-0.0135	-0.0495	722.1195	1
5188_5188	5188	5188	39.642	4.6095	0	-0.003	-0.039	289.722	1
5188_5189	5188	5189	113.589	-32.499	0	-0.006	-0.057	794.0775	1
5189_5189	5189	5189	37.623	4.6335	0	-0.0015	-0.0375	269.061	1
5189_5190	5189	5190	125.2455	-20.3505	-0.0015	-0.003	-0.0675	865.611	1
5190_5190	5190	5190	31.11	4.239	0	-0.0015	-0.042	230.436	1
5190_5191	5190	5191	137.3265	-24.6135	-0.0015	-0.0045	-0.093	939.234	1
5191_5191	5191	5191	26.5245	4.2315	0	-0.0015	-0.048	202.2045	1
5191_5192	5191	5192	140.0475	-14.2665	-0.0015	-0.0045	-0.117	955.0365	1
5192_5192	5192	5192	21.831	4.0515	0	-0.0015	-0.054	173.9895	1
5192_5193	5192	5193	147.39	-35.5635	0	-0.006	-0.1335	995.715	1
5193_5193	5193	5193	17.6805	4.0515	0	-0.0015	-0.06	149.3775	1
5193_5194	5193	5194	145.044	-26.481	0	-0.0045	-0.144	981.744	1
5194_5194	5194	5194	18.156	-4.611	-0.0015	-0.003	-0.135	143.166	1
5194_5195	5194	5195	148.05	-31.3125	-0.003	-0.0045	-0.171	999.7785	1
5195_5195	5195	5195	22.884	-4.611	-0.0015	-0.003	-0.156	171.21	1
5195_5196	5195	5196	142.0605	-22.4655	-0.003	-0.0045	-0.201	964.0575	1
5196_5196	5196	5196	27.612	-4.914	-0.0015	-0.0015	-0.1755	199.2525	1
5196_5197	5196	5197	140.562	-26.406	-0.0015	-0.003	-0.2175	954.255	1
5197_5197	5197	5197	32.607	-4.95	-0.0015	-0.0015	-0.189	232.197	1
5197_5198	5197	5198	129.972	-17.163	-0.0015	-0.003	-0.228	888.3315	1
5198_5198	5198	5198	38.172	-5.6325	-0.0015	0	-0.2055	265.2105	1
5198_5199	5198	5199	122.9235	-18.801	-0.0015	-0.0015	-0.2505	838.9875	1
5199_5199	5199	5199	44.919	-5.574	-0.0015	0.0015	-0.237	305.0025	1
5199_5200	5199	5200	106.8075	-12.237	-0.0015	0.0015	-0.273	756.36	1
5200_5200	5200	5200	48.054	-6.5115	-0.0015	0.006	-0.2445	334.011	1
5200_5201	5200	5201	87.306	-13.272	0	0.0075	-0.261	692.472	1
5201_5201	5201	5201	45.6495	-6.7605	-0.0015	0.006	-0.3915	415.5975	1
5201_5202	5201	5202	47.868	-4.164	0	0.003	-0.363	588.453	1
5202_5202	5202	5202	43.641	-7.932	-0.003	0.0435	-0.4065	488.1345	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5202_5203	5202	5203	23.0985	-0.7125	-0.0015	0.0345	-0.345	409.557	1
5203_5203	5203	5203	83.283	-28.7775	0.003	-0.069	0.4545	660.9285	1
5203_5204	5203	5204	14.4855	-1.425	-0.0015	0.0045	-0.228	202.494	1
5204_5204	5204	5204	62.328	37.2285	-0.003	0.0165	0.0555	520.4175	1
5204_5205	5204	5205	100.0995	-45	0.009	0.0255	-0.507	443.6145	1
5205_5205	5205	5205	34.872	25.0605	-0.0015	-0.024	-0.096	334.4685	1
5205_5206	5205	5206	110.2965	-39.222	0.0105	-0.036	-0.3165	536.3295	1
5206_5206	5206	5206	14.5665	18.177	0.003	0.009	-0.1845	231.3165	1
5206_5207	5206	5207	116.3295	-32.961	0.0075	0.033	-0.228	601.6695	1
5207_5207	5207	5207	-6.264	1.5165	-0.0105	-0.0135	0.4155	185.5695	1
5207_5208	5207	5208	123.612	-32.9475	0.0045	0.0015	-0.1605	673.77	1
5208_5208	5208	5208	-7.4085	1.5165	-0.0105	-0.0135	0.327	178.011	1
5208_5209	5208	5209	127.0815	-26.0115	0.0045	0.0015	-0.1035	718.125	1
5209_5209	5209	5209	-8.553	1.5165	-0.0105	-0.0135	0.2385	170.4525	1
5209_5210	5209	5210	127.128	-18.5025	0.003	0	-0.0585	734.6355	1
5210_5210	5210	5210	-9.699	0.6765	-0.006	0.0015	0.15	162.894	1
5210_5211	5210	5211	129.054	-39.33	-0.0015	0.0675	0.0105	766.587	1
5211_5211	5211	5211	-10.0815	0.6765	-0.012	-0.027	0.1155	160.3665	1
5211_5212	5211	5212	131.52	-33.4875	0	-0.069	0.0225	779.346	1
5212_5212	5212	5212	-10.464	0.6765	-0.006	0	0.048	157.839	1
5212_5213	5212	5213	130.86	-27.8085	-0.003	0.066	0.0165	769.161	1
5213_5213	5213	5213	-12.5655	0.6315	-0.012	-0.027	0.018	155.3805	1
5213_5214	5213	5214	128.184	-22.5195	-0.0015	-0.0615	0.012	742.674	1
5214_5214	5214	5214	-12.924	0.108	-0.006	-0.0225	-0.0525	153.0255	1
5214_5215	5214	5215	128.5185	-25.338	-0.0015	-0.045	0.0045	729.246	1
5215_5215	5215	5215	-14.559	0.003	-0.0015	-0.0015	-0.1005	152.622	1
5215_5216	5215	5216	125.4045	-18.405	-0.0045	0.0495	-0.024	687.96	1
5216_5216	5216	5216	-17.604	-0.3015	-0.006	-0.0225	-0.108	152.9685	1
5216_5217	5216	5217	118.4235	-12.135	-0.0015	-0.0375	-0.0435	618.69	1
5217_5217	5217	5217	-6.516	-9.8235	-0.024	-0.0975	-0.0675	172.917	1
5217_5218	5217	5218	112.5345	-12.009	-0.0015	-0.1455	-0.057	555.3075	1
5218_5218	5218	5218	14.3595	-17.5035	-0.0165	-0.075	-0.177	237.18	1
5218_5219	5218	5219	103.3875	-6.348	-0.0075	-0.0975	-0.1245	471.936	1
5219_5219	5219	5219	33.885	-25.0425	-0.006	0.1755	-0.255	336.1215	1
5219_5220	5219	5220	90.411	-0.6045	-0.0285	0.1845	-0.411	345.459	1
5220_5220	5220	5220	91.1775	40.4145	0.0135	-0.1005	-0.051	883.3635	1
5220_5221	5220	5221	22.4655	-51.117	0.0045	-0.1335	-0.072	445.5525	1
5221_5221	5221	5221	47.5635	8.4975	0.0105	0.111	-0.231	632.088	1
5221_5222	5221	5222	50.6535	-42.492	0.0105	0.036	0.0285	627.6435	1
5222_5222	5222	5222	52.143	7.491	-0.0045	-0.141	-0.09	543.771	1
5222_5223	5222	5223	84.5235	-37.839	-0.0075	-0.234	-0.072	788.5725	1
5223_5223	5223	5223	59.889	7.2	-0.0015	0.078	-0.102	433.7145	1
5223_5224	5223	5224	117.8595	-28.6545	0	0.108	-0.0855	809.7135	1
5224_5224	5224	5224	57.5025	6.444	-0.0045	-0.084	-0.1095	375.2445	1
5224_5225	5224	5225	133.275	-32.2545	-0.0075	-0.2115	-0.138	882.1305	1
5225_5225	5225	5225	50.6775	6.585	-0.003	0.0525	-0.1545	362.7615	1
5225_5226	5225	5226	135.8655	-19.383	-0.0045	0.1095	-0.228	1006.968	1
5226_5226	5226	5226	41.112	6.0705	0	-0.072	-0.201	300.309	1
5226_5227	5226	5227	145.9815	-40.227	-0.0075	-0.3015	-0.3435	1080.168	1
5227_5227	5227	5227	34.2645	6.066	0.0015	0.0585	-0.21	256.095	1
5227_5228	5227	5228	146.784	-30.186	-0.0015	0.189	-0.3765	1085.862	1
5228_5228	5228	5228	27.3375	5.8155	-0.0045	-0.0465	-0.198	211.8615	1
5228_5229	5228	5229	151.6065	-33.219	-0.012	-0.315	-0.5265	1116.642	1
5229_5229	5229	5229	23.562	-5.88	-0.006	0.0345	-0.4005	201.069	1
5229_5230	5229	5230	144.741	-23.3835	-0.006	0.195	-0.6195	1071.839	1
5230_5230	5230	5230	29.736	-6.333	-0.0075	-0.0795	-0.468	244.1025	1
5230_5231	5230	5231	141.84	-25.4985	-0.0105	-0.237	-0.771	1050.221	1
5231_5231	5231	5231	36.942	-6.3495	-0.006	0.036	-0.5535	291.5805	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5231_5232	5231	5232	128.8395	-16.0005	-0.006	0.1335	-0.849	960.819	1
5232_5232	5232	5232	44.385	-7.1265	0.0045	-0.1035	-0.6195	339.126	1
5232_5233	5232	5233	122.5305	-19.0545	0.009	-0.1845	-0.7455	913.335	1
5233_5233	5233	5233	50.1735	-7.1145	0.009	-0.018	-0.8835	380.5155	1
5233_5234	5233	5234	111.6795	-13.7535	0.018	-0.018	-1.0275	857.6175	1
5234_5234	5234	5234	54.0015	-7.005	0.0105	0.0765	-0.8205	412.2585	1
5234_5235	5234	5235	94.125	-8.298	0.0225	0.141	-0.8325	774.585	1
5235_5235	5235	5235	56.292	-7.575	-0.069	-0.126	-0.7425	450.4515	1
5235_5236	5235	5236	82.7055	-9.7995	-0.135	-0.153	-1.542	726.7275	1
5236_5236	5236	5236	47.3865	-7.9935	-0.102	0.018	-1.7385	532.1265	1
5236_5237	5236	5237	49.9485	-4.881	-0.195	0.051	-4.05	696.8175	1
5237_5237	5237	5237	46.323	-8.1555	-0.099	0.3	-2.5605	587.5035	1
5237_5238	5237	5238	35.9085	-1.1805	-0.1815	0.3555	-5.139	594.984	1
5238_5238	5238	5238	44.787	-11.583	0.096	-0.2325	-3.252	632.8275	1
5238_5239	5238	5239	24.558	-9.7275	0.2265	-0.2625	-2.628	511.461	1
5239_5239	5239	5239	42.9465	-12.171	0.099	0.2055	-2.2305	727.1025	1
5239_5240	5239	5240	10.332	-2.994	0.219	0.015	-0.021	368.091	1
5240_5240	5240	5240	33.7545	22.479	-0.0015	-0.1545	-0.249	503.0865	1
5240_5241	5240	5241	118.9395	-33.2115	-0.1545	-0.135	-0.507	640.3365	1
5241_5241	5241	5241	9.675	16.596	-0.021	0.12	-0.432	339.5595	1
5241_5242	5241	5242	120.9465	-28.047	-0.1605	0.3135	-1.359	664.998	1
5242_5242	5242	5242	-2.202	13.95	-0.036	0.174	-0.786	281.811	1
5242_5243	5242	5243	119.4315	-22.4055	-0.1605	0.366	-2.331	673.7415	1
5243_5243	5243	5243	-15.825	12.588	0.012	-0.0255	-1.5	229.8585	1
5243_5244	5243	5244	128.7285	-33.9975	0.099	-0.2505	-1.167	777.738	1
5244_5244	5244	5244	-11.907	0.564	-0.054	0.0075	0.789	189.6225	1
5244_5245	5244	5245	133.7565	-26.2005	0.075	0.1725	-0.276	842.1645	1
5245_5245	5245	5245	-12.378	0.0465	-0.039	-0.0825	0.2625	185.9085	1
5245_5246	5245	5246	138.5685	-39.4965	0.015	-0.312	0.267	904.1385	1
5246_5246	5246	5246	-12.4185	0.0465	-0.0225	0.03	-0.135	185.598	1
5246_5247	5246	5247	140.481	-30.939	-0.0015	0.1695	0.354	910.104	1
5247_5247	5247	5247	-15.15	-0.627	-0.0075	-0.0885	-0.3495	185.847	1
5247_5248	5247	5248	142.059	-29.328	0.0255	-0.2985	0.666	906.9255	1
5248_5248	5248	5248	-14.661	-0.627	0.009	0.0165	-0.42	189.717	1
5248_5249	5248	5249	138.3675	-20.784	0.009	0.1395	0.8355	852.0645	1
5249_5249	5249	5249	-18.3435	-1.4355	0.0375	-0.084	-0.3285	195.537	1
5249_5250	5249	5250	134.541	-17.52	0.021	-0.198	1.0905	788.739	1
5250_5250	5250	5250	-20.7465	-2.157	0.054	0.0105	0.033	207.0555	1
5250_5251	5250	5251	127.2375	-10.926	0	0.12	1.0845	696.8565	1
5251_5251	5251	5251	-7.8915	-11.979	-0.09	-0.1725	-0.1065	246.8955	1
5251_5252	5251	5252	129.657	-24.5505	-0.168	-0.2505	0.018	693.033	1
5252_5252	5252	5252	3.687	-14.517	-0.048	-0.081	-0.618	299.613	1
5252_5253	5252	5253	129.6195	-19.332	-0.174	-0.0765	-1.0815	670.695	1
5253_5253	5253	5253	17.2935	-17.943	0	0.099	-0.603	364.152	1
5253_5254	5253	5254	126.0975	-12.0315	-0.168	0.1995	-2.5485	600.6465	1
5254_5254	5254	5254	89.019	25.644	-0.0285	1.338	-0.966	980.0325	1
5254_5255	5254	5255	14.6805	-33.3345	-0.24	-0.348	-2.7675	437.2785	1
5255_5255	5255	5255	89.007	29.286	-0.054	-0.2175	-1.0155	926.949	1
5255_5256	5255	5256	31.3695	-40.434	0.2295	-0.153	0.507	595.179	1
5256_5256	5256	5256	49.476	11.2245	0.1935	0.261	-0.051	718.563	1
5256_5257	5256	5257	44.4585	-33.591	0.225	0.231	2.7165	659.238	1
5257_5257	5257	5257	51.7185	7.872	-0.0585	-0.3165	1.8015	635.583	1
5257_5258	5257	5258	58.938	-46.524	-0.09	-0.378	2.223	754.0275	1
5258_5258	5258	5258	53.5095	7.8345	-0.0555	-0.096	1.4085	592.128	1
5258_5259	5258	5259	76.773	-41.7	-0.0825	-0.1515	1.638	849.3375	1
5259_5259	5259	5259	63.966	7.488	-0.033	0.0855	0.6195	493.203	1
5259_5260	5259	5260	110.262	-36.57	-0.0495	0.108	0.66	834.402	1
5260_5260	5260	5260	62.8215	7.0845	-0.0225	-0.132	0.369	450.633	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5260_5261	5260	5261	124.3425	-37.74	-0.0405	-0.2625	0.4485	897.045	1
5261_5261	5261	5261	60.792	7.2495	-0.021	-0.009	0.231	421.6485	1
5261_5262	5261	5262	135.093	-32.883	-0.036	-0.015	0.2025	952.8315	1
5262_5262	5262	5262	59.1	7.347	-0.015	0.027	0.072	367.11	1
5262_5263	5262	5263	149.8785	-23.286	-0.027	0.057	-0.219	955.989	1
5263_5263	5263	5263	50.3985	6.7545	-0.0045	-0.054	-0.102	316.1145	1
5263_5264	5263	5264	160.977	-24.2745	-0.0105	-0.168	-0.36	1026.111	1
5264_5264	5264	5264	42.606	6.7545	-0.003	0.018	-0.153	272.142	1
5264_5265	5264	5265	163.779	-14.736	-0.009	0.087	-0.507	1047.908	1
5265_5265	5265	5265	34.6665	6.3945	-0.006	-0.0465	-0.1935	227.343	1
5265_5266	5265	5266	167.5575	-35.5785	-0.0195	-0.2385	-0.858	1083.11	1
5266_5266	5266	5266	27.2655	6.3825	-0.0045	0.021	-0.2685	184.881	1
5266_5267	5266	5267	162.6195	-26.574	-0.0135	0.117	-1.0395	1058.262	1
5267_5267	5267	5267	22.7655	-6.9495	-0.0105	-0.081	-0.6795	206.913	1
5267_5268	5267	5268	161.223	-28.473	-0.015	-0.264	-1.2195	1051.839	1
5268_5268	5268	5268	30.8325	-6.954	-0.006	0.03	-0.8025	252.645	1
5268_5269	5268	5269	150.6735	-19.8195	-0.006	0.153	-1.278	991.311	1
5269_5269	5269	5269	38.9205	-7.632	-0.0135	-0.1095	-0.8715	298.293	1
5269_5270	5269	5270	145.9125	-22.8405	-0.015	-0.228	-1.3845	961.6335	1
5270_5270	5270	5270	45.7545	-7.632	-0.0105	-0.0195	-0.9885	336.858	1
5270_5271	5270	5271	136.038	-16.4265	-0.009	0.0075	-1.416	901.2435	1
5271_5271	5271	5271	48.33	-7.6815	-0.0105	0.09	-1.449	409.3665	1
5271_5272	5271	5272	115.386	-12.168	-0.006	0.237	-1.872	920.586	1
5272_5272	5272	5272	52.206	-8.3865	-0.045	-0.168	-1.5225	441.174	1
5272_5273	5272	5273	102.174	-13.0785	-0.0945	-0.207	-2.445	864.5865	1
5273_5273	5273	5273	55.0965	-8.4135	-0.042	-0.03	-1.8375	481.7925	1
5273_5274	5273	5274	86.526	-8.901	-0.0885	0.006	-2.9175	799.8525	1
5274_5274	5274	5274	47.3025	-8.9115	-0.0615	0.264	-3.315	573.576	1
5274_5275	5274	5275	47.3355	-3.201	-0.1185	0.396	-5.5755	726.9435	1
5275_5275	5275	5275	46.0335	-12.3885	0.1605	-0.234	-4.029	654.5475	1
5275_5276	5275	5276	34.8885	-12.7065	0.411	-0.168	-1.0215	662.388	1
5276_5276	5276	5276	44.2275	-13.0005	0.165	0.357	-2.3955	754.0035	1
5276_5277	5276	5277	21.39	-6.7215	0.414	0.1845	3.4665	555.0165	1
5277_5277	5277	5277	41.4405	-16.557	-0.0465	-0.0045	-0.8445	856.254	1
5277_5278	5277	5278	15.747	-14.0835	-0.3135	0.4785	1.3695	496.239	1
5278_5278	5278	5278	23.562	18.501	0.069	0.0135	-1.4595	471.786	1
5278_5279	5278	5279	129.0315	-27.087	-0.1365	-0.291	-0.528	709.7505	1
5279_5279	5279	5279	7.449	16.0725	0.0585	0.156	-0.8385	349.0725	1
5279_5280	5279	5280	126.8325	-21.6045	-0.1485	0.0525	-1.404	694.989	1
5280_5280	5280	5280	-6.7995	12.804	-0.0075	-0.0435	-0.666	284.769	1
5280_5281	5280	5281	131.499	-27.765	0.078	-0.1995	-0.465	760.8915	1
5281_5281	5281	5281	-28.7385	8.6205	0.0135	0.0405	-1.047	202.5255	1
5281_5282	5281	5282	127.2135	-17.031	0.063	0.096	0.3645	756.1395	1
5282_5282	5282	5282	-44.4315	3.4395	0.2235	-0.063	-3.69	213.348	1
5282_5283	5282	5283	111.663	-18.009	0.006	-0.357	1.245	862.4715	1
5283_5283	5283	5283	-22.6155	0.414	-0.063	0.0675	-1.488	196.347	1
5283_5284	5283	5284	105.291	-6.744	-0.0465	0.318	0.4455	801.6705	1
5284_5284	5284	5284	-25.848	-1.617	0.0705	-0.0975	-2.3865	193.797	1
5284_5285	5284	5285	114.894	-28.923	-0.0405	-0.282	-1.5705	820.4475	1
5285_5285	5285	5285	-28.8825	-2.1135	0.1185	0.0375	-1.7085	208.6215	1
5285_5286	5285	5286	115.2495	-19.836	-0.0555	0.1785	-2.2785	772.935	1
5286_5286	5286	5286	-30.849	-3.825	-0.0165	-0.18	-0.4725	226.0935	1
5286_5287	5286	5287	121.887	-23.505	0.1875	-0.453	0.048	774.6015	1
5287_5287	5287	5287	-24.402	-9.051	-0.0075	0.075	-0.744	275.394	1
5287_5288	5287	5288	121.632	-14.0385	0.0795	0.1785	0.771	702.213	1
5288_5288	5288	5288	-3.654	-15.6435	-0.0555	-0.216	-1.4355	374.6625	1
5288_5289	5288	5289	124.9635	-28.5105	-0.4725	-0.6975	-1.425	713.151	1
5289_5289	5289	5289	1.719	-16.7175	0.006	-0.0045	-1.6635	431.4645	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5289_5290	5289	5290	130.959	-21.252	-0.45	-0.4305	-6.282	729.3705	1
5290_5290	5290	5290	43.1205	13.74	-0.5685	0.495	-0.7035	1053.272	1
5290_5291	5290	5291	27.336	-36.729	-1.173	0.807	-13.2735	670.9515	1
5291_5291	5291	5291	45.792	11.079	0.585	-0.534	-6.522	927.639	1
5291_5292	5291	5292	44.754	-39.498	0.921	-0.4395	-1.977	845.7135	1
5292_5292	5292	5292	48.3195	11.001	0.591	0.4425	-0.2565	822.411	1
5292_5293	5292	5293	59.6985	-31.8075	0.867	0.534	7.0665	956.3445	1
5293_5293	5293	5293	48.336	7.617	-0.1305	-0.5055	5.5755	733.1085	1
5293_5294	5293	5294	73.4385	-40.905	-0.1665	-0.7665	5.9505	1090.275	1
5294_5294	5294	5294	56.151	7.584	-0.087	-0.048	3.114	635.5005	1
5294_5295	5294	5295	98.904	-55.4265	-0.087	-0.1065	3.24	1118.679	1
5295_5295	5295	5295	53.6295	7.686	-0.0855	0.189	2.448	593.0865	1
5295_5296	5295	5296	108.8835	-48.669	-0.0795	0.288	2.4975	1219.268	1
5296_5296	5296	5296	49.6215	6.198	-0.0405	-0.201	1.746	549.477	1
5296_5297	5296	5297	115.308	-57.138	-0.078	-0.4725	2.1465	1288.292	1
5297_5297	5297	5297	40.9815	6.2475	-0.06	-0.165	2.421	571.0215	1
5297_5298	5297	5298	108.6705	-49.9605	-0.111	-0.414	2.1315	1522.329	1
5298_5298	5298	5298	37.776	6.2475	-0.0585	0.2025	1.8615	528.3765	1
5298_5299	5298	5299	114.741	-42.5535	-0.099	0.5385	1.1505	1604.226	1
5299_5299	5299	5299	34.7475	5.289	-0.012	-0.3015	1.3485	486.309	1
5299_5300	5299	5300	125.391	-46.6065	-0.003	-1.0965	1.125	1747.184	1
5300_5300	5300	5300	31.329	5.289	-0.0105	0.198	1.2075	440.844	1
5300_5301	5300	5301	129.6015	-36.8205	0.003	0.7215	1.128	1804.379	1
5301_5301	5301	5301	27.699	4.548	-0.0225	-0.2235	1.086	392.5635	1
5301_5302	5301	5302	136.6425	-41.4645	-0.03	-1.1055	0.7035	1899.062	1
5302_5302	5302	5302	24.582	4.542	-0.0195	0.1695	0.813	350.6805	1
5302_5303	5302	5303	136.4805	-32.4525	-0.021	0.858	0.4245	1897.466	1
5303_5303	5303	5303	21.6795	4.08	-0.0195	-0.1875	0.585	312.066	1
5303_5304	5303	5304	140.964	-16.446	-0.0105	-1.224	0.3	1956.648	1
5304_5304	5304	5304	18.8895	4.062	-0.0165	0.1575	0.345	272.9835	1
5304_5305	5304	5305	138.168	-7.5615	0	1.1835	0.309	1919.982	1
5305_5305	5305	5305	16.4055	3.756	-0.0285	-0.12	0.156	239.943	1
5305_5306	5305	5306	138.8655	-13.476	-0.0345	-1.002	-0.06	1929.254	1
5306_5306	5306	5306	13.8975	3.756	-0.027	0.0765	-0.189	206.574	1
5306_5307	5306	5307	132.0735	-3.72	-0.0255	0.768	-0.312	1837.958	1
5307_5307	5307	5307	11.43	3.5865	-0.0165	-0.102	-0.5115	173.418	1
5307_5308	5307	5308	127.9425	-8.9895	-0.015	-1.1175	-0.3975	1780.7	1
5308_5308	5308	5308	9.258	3.5595	-0.0165	0.063	-0.7095	142.047	1
5308_5309	5308	5309	115.05	1.6275	-0.0045	0.8535	-0.36	1604.714	1
5309_5309	5309	5309	6.882	3.393	-0.156	-0.051	-0.9015	110.1285	1
5309_5310	5309	5310	101.4195	-0.3195	0.021	-0.8235	0.018	1416.12	1
5310_5310	5310	5310	4.9605	3.3315	-0.1335	0.036	-2.5155	80.2365	1
5310_5311	5310	5311	76.0275	18.4995	0.0315	0.615	0.4785	1073.72	1
5311_5311	5311	5311	3.462	3.066	0.1275	-0.009	-3.0015	51.345	1
5311_5312	5311	5312	41.706	25.668	-0.027	-0.3675	0.2325	603.18	1
5312_5312	5312	5312	3.192	2.295	-0.006	-0.018	0.066	25.842	1
5312_5313	5312	5313	3.165	-3.126	-0.2295	-0.066	0	12.1815	1
5400_5020	5400	5020	43.647	1.302	0.303	0.0075	1.1535	160.7805	1
5400_5401	5400	5401	-34.7715	24.4815	-0.18	-0.0015	2.1795	513.528	1
5401_5401	5401	5401	46.698	1.098	-0.084	-0.1755	2.31	155.931	1
5401_5402	5401	5402	-31.6815	19.5525	-0.1755	-0.618	1.248	444.999	1
5402_5402	5402	5402	49.311	2.103	-0.177	0.0645	2.136	152.2095	1
5402_5403	5402	5403	-31.2765	18.714	-0.1215	0.198	0.111	239.9205	1
5403_5403	5403	5403	57.5715	3.333	0.015	-0.03	0.258	130.356	1
5403_5404	5403	5404	-29.7975	14.208	-0.024	-0.051	0.06	137.538	1
5404_5404	5404	5404	62.583	4.3815	-0.033	0.045	0.4065	107.265	1
5404_5405	5404	5405	-30.867	13.5045	-0.003	0.0555	0.075	39.9765	1
5405_5405	5405	5405	72.7965	5.3895	-0.012	0.0075	0.1815	78.573	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5405_5406	5405	5406	-46.41	-6.324	0.0135	-0.0075	0.0105	27.93	1
5406_5406	5406	5406	25.245	-7.7775	-0.027	-0.1065	0.2835	130.9635	1
5406_5407	5406	5407	-58.9755	-8.8485	-0.0525	-0.0675	-0.4575	104.112	1
5407_5407	5407	5407	23.5155	-8.451	-0.048	0.186	0.2175	206.4525	1
5407_5408	5407	5408	-62.076	-10.296	0.045	0.0915	-0.1395	160.656	1
5408_5408	5408	5408	21.2475	-13.3065	-0.012	0.006	0.075	253.6905	1
5408_5409	5408	5409	-62.9175	2.871	0.27	0.0465	0.669	151.4655	1
5409_5409	5409	5409	21.2265	13.254	-0.0435	-0.006	0.0405	293.898	1
5409_5410	5409	5410	-66.2055	-3.3735	0.0765	-0.0525	0.9435	160.695	1
5410_5410	5410	5410	23.475	8.5035	0.012	0.1305	-0.48	253.7535	1
5410_5411	5410	5411	-66.123	10.5615	-0.0195	0.066	0.477	101.46	1
5411_5411	5411	5411	23.445	8.7285	0.021	-0.0735	-0.24	207.345	1
5411_5412	5411	5412	-50.7975	7.8	-0.0735	-0.0435	-0.2505	23.7855	1
5412_5412	5412	5412	25.8255	8.487	0.0225	-0.0015	-0.1575	133.1325	1
5412_5413	5412	5413	-30.1605	-10.1235	-0.0165	-0.003	-0.2205	38.9265	1
5413_5413	5413	5413	89.9115	-4.4535	-0.0495	0.0555	0.1185	85.941	1
5413_5414	5413	5414	-30.762	-13.155	0.024	0.0525	-0.099	133.821	1
5414_5414	5414	5414	87.072	-2.6745	0.0255	-0.039	-0.198	119.07	1
5414_5415	5414	5415	-30.453	-13.854	0.003	-0.057	-0.042	233.5845	1
5415_5415	5415	5415	88.707	-0.9105	-0.147	-0.123	0.0195	139.6605	1
5415_5416	5415	5416	-32.8395	-18.42	0.171	-0.3405	1.716	434.283	1
5416_5416	5416	5416	85.47	1.0185	-0.432	0.4215	-1.707	150.3765	1
5416_5417	5416	5417	-32.3805	-19.2135	0.2625	1.08	2.2335	501.4005	1
5417_5417	5417	5417	81.8685	0.801	-0.2955	-0.009	-3.0885	147.075	1
5417_5036	5417	5036	-32.2305	-23.6415	0.12	0.015	2.9445	597.489	1
5420_5056	5420	5056	39.6525	0.291	0.2175	0.0045	0.897	110.8065	1
5420_5421	5420	5421	-32.67	22.173	-0.132	-0.003	1.197	445.323	1
5421_5421	5421	5421	77.6415	-1.5105	0.2715	-0.0975	-3.1515	110.841	1
5421_5422	5421	5422	-32.8455	17.655	-0.096	-0.156	0.777	383.7915	1
5422_5422	5422	5422	81.3735	0.219	0.2265	0.024	-2.2005	116.3955	1
5422_5423	5422	5423	-32.3775	16.8015	-0.078	0.051	-0.0315	200.1645	1
5423_5423	5423	5423	78.888	1.866	0.018	-0.042	0.2505	114.828	1
5423_5424	5423	5424	-30.492	12.3405	-0.015	-0.0435	-0.0705	111.1515	1
5424_5424	5424	5424	82.4985	3.6135	-0.0465	0.0315	0.4155	101.88	1
5424_5425	5424	5425	-30.7755	11.6145	0.006	0.048	0.006	27.4455	1
5425_5425	5425	5425	78.1605	5.5125	-0.018	-0.0045	0.0945	76.4325	1
5425_5426	5425	5426	-39.186	-4.677	0.0135	-0.006	0.0495	17.8995	1
5426_5426	5426	5426	25.7205	-6.6735	-0.003	-0.138	0.159	114.588	1
5426_5427	5426	5427	-59.988	-7.641	-0.0945	-0.063	-0.6615	79.6395	1
5427_5427	5427	5427	24.348	-7.023	-0.0435	0.246	0.351	178.275	1
5427_5428	5427	5428	-64.9155	-9.189	0.057	0.1245	-0.261	129.936	1
5428_5428	5428	5428	22.464	-11.997	-0.0225	-0.033	-0.132	217.311	1
5428_5429	5428	5429	-56.475	3.1695	-0.228	-0.102	-1.1625	119.3475	1
5429_5429	5429	5429	22.4475	12.042	-0.0135	0.033	-0.1815	253.593	1
5429_5430	5429	5430	-61.293	-3.96	-0.057	0.105	-1.308	130.362	1
5430_5430	5430	5430	24.4095	6.981	0.0135	-0.027	-0.087	217.1835	1
5430_5431	5430	5431	-52.578	8.3925	0.0765	-0.0165	-0.7785	82.845	1
5431_5431	5431	5431	24.2535	7.506	0.009	0.015	-0.027	178.4475	1
5431_5432	5431	5432	-42.894	6.501	0.093	0.0195	0.0255	20.3415	1
5432_5432	5432	5432	24.93	7.743	0.006	0	-0.0435	114.9765	1
5432_5433	5432	5433	-30.3	-8.661	0.003	-0.003	-0.0135	26.862	1
5433_5433	5433	5433	82.809	-2.9355	0.018	-0.0075	0.0375	71.8635	1
5433_5434	5433	5434	-30.8835	-11.538	-0.0135	-0.021	-0.138	110.0955	1
5434_5434	5434	5434	77.7735	-1.455	-0.009	0.021	0.156	94.2825	1
5434_5435	5434	5435	-30.612	-12.24	-0.003	0.021	-0.177	198.2235	1
5435_5435	5435	5435	79.401	0.186	-0.1725	0.0285	0.1515	105.879	1
5435_5436	5435	5436	-33.435	-16.785	0.0435	0.12	0.24	381.2205	1
5436_5436	5436	5436	42.762	-0.2535	0.1185	-0.1305	0.6225	114.687	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5436_5437	5436	5437	-33.0315	-17.565	0.006	-0.3885	0.396	442.431	1
5437_5437	5437	5437	41.9595	-0.3585	-0.2925	-0.0015	0.954	115.602	1
5437_5072	5437	5072	-36.207	-22.6125	0.2325	0.027	0.9435	533.9235	1
5440_5094	5440	5094	39.3315	0.393	0.144	0.0015	0.6945	111.2805	1
5440_5441	5440	5441	-32.0595	21.6315	-0.0255	-0.006	0.5865	426.204	1
5441_5441	5441	5441	39.222	0.3255	-0.063	-0.0675	1.221	109.6695	1
5441_5442	5441	5442	-32.2725	17.0385	-0.0705	-0.297	0.384	366.711	1
5442_5442	5442	5442	40.974	1.194	-0.108	0.0285	1.0605	108.9315	1
5442_5443	5442	5443	-31.8225	16.1955	-0.0375	0.099	0.0645	189.4875	1
5443_5443	5443	5443	72.6585	1.791	0.039	-0.06	0.0735	107.112	1
5443_5444	5443	5444	-29.7855	11.745	-0.0225	-0.063	-0.117	104.9385	1
5444_5444	5444	5444	76.347	3.3285	-0.0525	0.0465	0.4005	94.6875	1
5444_5445	5444	5445	-30.045	11.0625	0.009	0.066	-0.0045	25.1295	1
5445_5445	5445	5445	75.48	5.028	-0.003	-0.006	0.0675	71.373	1
5445_5446	5445	5446	-38.1	-4.641	0.0045	-0.006	-0.048	18.7335	1
5446_5446	5446	5446	24.945	-6.33	0.087	-0.027	-0.0345	109.539	1
5446_5447	5446	5447	-49.428	-6.8295	0.027	-0.021	0.174	77.157	1
5447_5447	5447	5447	23.799	-6.642	0.0795	0.0495	0.807	169.8585	1
5447_5448	5447	5448	-60.024	-8.6265	0.036	0.033	0.1965	123.315	1
5448_5448	5448	5448	21.9675	-11.52	-0.027	0.189	1.368	206.781	1
5448_5449	5448	5449	-54.5475	3.156	0.072	-0.033	0.4635	113.2605	1
5449_5449	5449	5449	21.9855	11.5785	0.0345	-0.1905	1.2945	241.686	1
5449_5450	5449	5450	-57.2055	-3.567	-0.3585	0.0405	-0.609	123.501	1
5450_5450	5450	5450	23.7975	6.633	-0.09	0.036	1.167	206.751	1
5450_5451	5450	5451	-50.055	8.016	0.0495	0.0165	-0.339	78.024	1
5451_5451	5451	5451	23.652	7.1385	-0.0855	-0.021	0.684	169.932	1
5451_5452	5451	5452	-41.934	6.318	0.033	0.003	-0.006	18.267	1
5452_5452	5452	5452	24.3675	7.377	0.015	-0.0015	-0.144	109.7505	1
5452_5453	5452	5453	-29.031	-8.2485	-0.0075	-0.0015	-0.0405	25.599	1
5453_5453	5453	5453	79.8765	-3.048	0.0225	-0.0015	-0.0105	70.1205	1
5453_5454	5453	5454	-29.3835	-11.0325	0.0015	-0.0135	-0.0555	105.18	1
5454_5454	5454	5454	75.0375	-1.587	0.006	0.0135	0.135	93.4845	1
5454_5455	5454	5455	-29.1195	-11.712	0.006	0.009	-0.0195	189.6225	1
5455_5455	5455	5455	78.4905	-0.018	-0.0855	-0.0225	0.165	105.8955	1
5455_5456	5455	5456	-31.9335	-16.1865	0.039	-0.081	0.3015	365.88	1
5456_5456	5456	5456	42.6525	-0.1395	0.042	0.06	0.807	111.2145	1
5456_5457	5456	5457	-31.533	-16.956	0.066	0.261	0.435	425.043	1
5457_5457	5457	5457	41.769	-0.24	-0.0945	-0.003	1.0395	111.741	1
5457_5110	5457	5110	-34.539	-22.056	0.0285	0.0015	0.7275	514.4715	1
5460_5132	5460	5132	25.3305	2.1735	-0.243	-0.006	1.6875	121.338	1
5460_5461	5460	5461	-35.1	24.21	0.7335	0.015	0.0675	470.3985	1
5461_5461	5461	5461	27.855	1.971	-0.087	0.084	0.7095	112.6035	1
5461_5462	5461	5462	-35.295	19.17	0.051	0.285	0.171	403.5555	1
5462_5462	5462	5462	81.312	-0.6945	0.006	-0.024	-0.483	117.621	1
5462_5463	5462	5463	-34.683	18.2175	0.024	-0.0885	0.312	204.003	1
5463_5463	5463	5463	84.009	1.1115	-0.0525	0.1485	-0.714	127.338	1
5463_5464	5463	5464	-29.5575	13.053	0.0495	0.153	0.1305	109.0245	1
5464_5464	5464	5464	89.769	2.8395	0.198	-0.165	-1.2615	120.4095	1
5464_5465	5464	5465	21.3045	1.335	0.048	-0.0495	0	25.9365	1
5465_5465	5465	5465	90.2475	5.0235	-0.009	-0.0045	0.1695	101.1135	1
5465_5466	5465	5466	-27.6585	-5.061	-0.0045	-0.0015	-0.105	51.699	1
5466_5466	5466	5466	23.1165	-7.7865	-0.045	0.123	-0.0195	117.603	1
5466_5467	5466	5467	-35.094	-6.666	0.012	0.072	0.0135	109.239	1
5467_5467	5467	5467	25.194	-7.353	-0.0045	-0.213	-0.5775	187.0635	1
5467_5468	5467	5468	-36.642	-7.5	-0.06	-0.129	-0.4035	150.678	1
5468_5468	5468	5468	22.875	-12.27	0.0585	-0.048	-0.4665	227.9265	1
5468_5469	5468	5469	-37.338	0.2055	0.039	-0.009	-0.18	149.667	1
5469_5469	5469	5469	21.993	12.2835	-0.021	0.0495	-0.3435	262.3365	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5469_5470	5469	5470	-49.554	-1.113	-0.09	0.0495	-0.018	166.527	1
5470_5470	5470	5470	23.703	7.569	0.0375	-0.0885	-0.234	225.411	1
5470_5471	5470	5471	-45.444	8.9265	-0.021	-0.0525	-0.015	116.355	1
5471_5471	5471	5471	22.995	8.04	0.0225	0.0495	-0.087	183.3555	1
5471_5472	5471	5472	-40.5	7.6125	0.0165	0.033	0.0885	46.4715	1
5472_5472	5472	5472	21.1065	9.111	-0.0075	0	0.1095	112.4445	1
5472_5473	5472	5473	21.6945	-1.392	0.0045	0.0015	0.0375	27.906	1
5473_5473	5473	5473	90.6765	-1.827	-0.0075	-0.0015	0.0975	94.3035	1
5473_5474	5473	5474	-29.844	-12.309	0.003	-0.0045	0.0285	115.713	1
5474_5474	5474	5474	87.5265	0.0375	-0.0135	0.0045	0.0405	108.144	1
5474_5475	5474	5475	-29.5515	-12.999	0.0045	0.003	0.06	209.4015	1
5475_5475	5475	5475	87.981	1.743	-0.009	0.0075	-0.0285	108.8985	1
5475_5476	5475	5476	-31.8495	-17.577	-0.0075	0.0315	0.0615	400.986	1
5476_5476	5476	5476	39.792	-1.608	0.081	-0.0555	0.6195	130.599	1
5476_5477	5476	5477	-35.1405	-18.639	-0.018	-0.132	0.054	465.519	1
5477_5477	5477	5477	39.9105	-1.6365	0.0855	0.006	0.8685	136.2045	1
5477_5148	5477	5148	-36.4065	-23.736	-0.0045	0.0015	-0.1695	562.398	1
5480_5168	5480	5168	31.926	1.464	-0.0465	-0.0075	0.585	118.437	1
5480_5481	5480	5481	-38.5185	24.3165	-0.102	-0.021	-0.9255	484.446	1
5481_5481	5481	5481	34.4775	1.3125	-0.099	0.2055	0.4845	112.662	1
5481_5482	5481	5482	-34.674	19.179	0.0885	0.7725	-0.1695	417.5445	1
5482_5482	5482	5482	35.928	2.091	-0.012	-0.063	0.0555	108.159	1
5482_5483	5482	5483	-34.0755	18.246	0.015	-0.249	-0.288	217.962	1
5483_5483	5483	5483	85.9065	0.402	-0.066	0.0765	0.147	117.738	1
5483_5484	5483	5484	-32.697	13.6725	0.0315	0.0855	0.009	119.406	1
5484_5484	5484	5484	92.0745	2.211	0.0645	-0.084	-0.4065	116.2755	1
5484_5485	5484	5485	25.044	0.903	0.0165	-0.0285	0.0075	32.7735	1
5485_5485	5485	5485	90.0585	4.5045	-0.0105	-0.003	0.099	101.136	1
5485_5486	5485	5486	-37.0125	-5.3775	0.0105	-0.0045	0.0765	44.754	1
5486_5486	5486	5486	22.743	-8.286	-0.027	0.0465	-0.0705	120.5295	1
5486_5487	5486	5487	-43.9215	-7.29	-0.036	0.021	-0.2745	108.021	1
5487_5487	5487	5487	24.8775	-7.95	-0.0135	-0.0885	-0.39	195.045	1
5487_5488	5487	5488	-45.738	-8.307	-0.0705	-0.051	-0.693	153.711	1
5488_5488	5488	5488	22.539	-12.81	0.003	-0.027	-0.312	239.2275	1
5488_5489	5488	5489	-46.221	1.263	0.1155	-0.0705	-0.276	149.7285	1
5489_5489	5489	5489	24.972	13.3095	-0.042	0.0285	-0.042	281.2965	1
5489_5490	5489	5490	-42.6285	-0.5415	0.027	-0.009	0.246	162.5685	1
5490_5490	5490	5490	26.0475	7.941	0.024	-0.093	0	241.377	1
5490_5491	5490	5491	-38.4165	8.034	-0.039	-0.0525	0.1245	117.333	1
5491_5491	5491	5491	25.7205	8.469	0.0075	0.0495	0.0675	197.244	1
5491_5492	5491	5492	-32.07	6.771	-0.0075	0.03	0.018	54.4935	1
5492_5492	5492	5492	24.0255	9.804	-0.0135	0	0.105	122.3205	1
5492_5493	5492	5493	-30.8595	-10.1115	0.015	0	0.114	25.2735	1
5493_5493	5493	5493	101.4735	-1.569	0.078	-0.075	-0.105	100.3065	1
5493_5494	5493	5494	-34.7385	-13.1145	-0.0075	-0.0885	0.081	119.3145	1
5494_5494	5494	5494	94.065	0.0915	-0.063	0.0795	0.387	113.4915	1
5494_5495	5494	5495	-34.425	-13.9185	0.036	0.0855	0.2835	219.6285	1
5495_5495	5495	5495	97.5795	2.1645	-0.021	-0.0525	-0.042	113.478	1
5495_5496	5495	5496	-36.939	-18.633	0.0015	-0.249	0.39	422.7015	1
5496_5496	5496	5496	32.6115	-1.8645	-0.0315	0.201	0.4485	114.1065	1
5496_5497	5496	5497	-40.6725	-19.836	0.0885	0.78	0.417	491.2215	1
5497_5497	5497	5497	31.209	-1.989	0.063	-0.0045	0.4725	120.7695	1
5497_5184	5497	5184	-42.1215	-24.801	-0.018	-0.024	0.8235	592.3905	1
5500_5204	5500	5204	82.5795	-1.689	0.369	0.0225	-4.5045	120.342	1
5500_5501	5500	5501	-39.0765	24.849	-0.27	-0.012	0.822	527.7825	1
5501_5501	5501	5501	85.0095	-1.59	0.258	-0.096	-3.0615	127.7835	1
5501_5502	5501	5502	-38.2665	20.3955	-0.0795	-0.144	0.2535	456.405	1
5502_5502	5502	5502	89.565	0.2595	0.228	0.009	-2.187	133.7895	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5502_5503	5502	5503	-38.745	19.4715	-0.066	0.033	-0.4155	243.7545	1
5503_5503	5503	5503	87.855	2.169	-0.081	0.0645	0.291	132.4725	1
5503_5504	5503	5504	-36.7365	14.8365	0.0375	0.102	-0.0345	136.8225	1
5504_5504	5504	5504	91.1865	4.0905	0.051	-0.1005	-0.3615	117.6345	1
5504_5505	5504	5505	-37.071	13.9785	-0.009	-0.0975	-0.171	36.015	1
5505_5505	5505	5505	89.9955	6.0765	0.018	-0.018	-0.003	89.6325	1
5505_5506	5505	5506	-50.0475	-5.04	-0.018	0.0135	-0.231	16.143	1
5506_5506	5506	5506	29.6265	-8.457	0.0165	0.0525	-0.2355	142.5735	1
5506_5507	5506	5507	-69	-8.7585	0.1665	0.0465	1.2495	88.368	1
5507_5507	5507	5507	28.4385	-8.637	0.009	-0.1035	-0.3525	221.325	1
5507_5508	5507	5508	-71.2875	-10.3395	0.114	-0.0435	1.8795	145.4295	1
5508_5508	5508	5508	26.0445	-14.5425	0.054	-0.021	-0.2445	269.7855	1
5508_5509	5508	5509	-64.6215	3.6315	-0.2895	0.201	1.191	133.932	1
5509_5509	5509	5509	26.067	14.6445	0.0465	0.015	-0.081	313.752	1
5509_5510	5509	5510	-66.984	-4.215	-0.1995	-0.2025	0.6135	146.301	1
5510_5510	5510	5510	28.8525	8.8995	0.036	-0.2565	0.2475	269.484	1
5510_5511	5510	5511	-59.973	9.4005	-0.1125	-0.0945	0.1095	93.567	1
5511_5511	5511	5511	28.47	9.3645	-0.0075	0.144	0.2445	220.5045	1
5511_5512	5511	5512	-46.9305	7.1445	0.006	0.0705	0.075	23.967	1
5512_5512	5512	5512	29.202	9.5295	-0.021	-0.0075	0.2565	140.7495	1
5512_5513	5512	5513	-36.6105	-10.983	0.024	0	0.192	38.244	1
5513_5513	5513	5513	96.09	-2.403	0.0675	-0.057	-0.0825	80.337	1
5513_5514	5513	5514	-37.026	-14.3445	-0.006	-0.1035	0.1665	141.6795	1
5514_5514	5514	5514	91.287	-0.7305	-0.066	0.0765	0.363	99.4215	1
5514_5515	5514	5515	-36.69	-15.186	0.0405	0.099	0.3885	250.983	1
5515_5515	5515	5515	55.0725	-0.876	0.351	-0.0465	-0.2025	113.0025	1
5515_5516	5515	5516	-39.747	-19.8555	0.072	-0.207	1.2	467.556	1
5516_5516	5516	5516	47.3865	-0.2355	0.2565	0.063	3.3915	125.9475	1
5516_5517	5516	5517	-39.2595	-20.8035	0.123	0.4845	1.4325	540.1245	1
5517_5517	5517	5517	45.675	-0.36	-0.5895	-0.0075	3.9675	126.8265	1
5517_5220	5517	5220	-42.8745	-25.4055	0.078	0.117	0.2565	643.398	1
5520_5240	5520	5240	31.911	-3.129	1.938	0.0855	-8.841	78.7575	1
5520_5521	5520	5521	-51.732	27.4305	3.471	0.1125	13.8045	493.1205	1
5521_5521	5521	5521	89.3985	-2.097	1.011	-0.639	-13.0065	120.1065	1
5521_5522	5521	5522	-53.355	19.6095	-1.2225	-1.3455	9.2025	424.566	1
5522_5522	5522	5522	89.427	0.108	0.6195	0.1515	-9.324	127.446	1
5522_5523	5522	5523	-53.8275	18.2865	-1.011	0.2835	-1.3245	224.934	1
5523_5523	5523	5523	90.582	1.971	0.3225	-0.237	-3.261	129.7095	1
5523_5524	5523	5524	-53.2215	14.85	-0.039	-0.2235	-1.2795	117.744	1
5524_5524	5524	5524	98.0775	3.7305	0.0285	0.165	-0.8985	117.219	1
5524_5525	5524	5525	21.624	1.6155	-0.027	0.0345	-0.1125	20.9325	1
5525_5525	5525	5525	94.758	6.0105	0.1575	-0.0165	-1.1055	91.485	1
5525_5526	5525	5526	-36.4515	-4.419	-0.069	-0.0255	-0.651	20.5545	1
5526_5526	5526	5526	47.388	-8.2035	0.4965	-0.1845	-3.6795	170.127	1
5526_5527	5526	5527	-72.288	-8.82	0.849	-0.0105	6.567	87.9795	1
5527_5527	5527	5527	45.213	-8.277	0.201	0.1065	-1.2225	248.4015	1
5527_5528	5527	5528	-76.524	-10.6425	0.9885	-0.0555	12.5235	146.1285	1
5528_5528	5528	5528	42.597	-17.865	0.6105	-0.0495	-1.149	294.738	1
5528_5529	5528	5529	-67.674	4.26	-0.342	1.23	11.4705	132.606	1
5529_5529	5529	5529	42.771	18.6675	0.669	-0.228	0.7575	348.7065	1
5529_5530	5529	5530	-70.707	-4.596	0.141	-1.4085	12.393	145.992	1
5530_5530	5530	5530	46.659	9.264	0.1755	-0.339	2.1045	292.008	1
5530_5531	5530	5531	-60.534	9.5175	-0.864	-0.03	6.636	92.1225	1
5531_5531	5531	5531	45.8535	10.0605	0.156	0.0975	2.346	240.882	1
5531_5532	5531	5532	-48.768	7.3425	-0.5985	0.024	0.159	22.0395	1
5532_5532	5532	5532	44.9055	10.737	-0.216	-0.042	3.741	155.3235	1
5532_5533	5532	5533	-58.4265	-12.411	0.219	0.0105	0.552	47.6025	1
5533_5533	5533	5533	105.7635	-2.4435	0.096	-0.012	1.1805	90.57	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5533_5534	5533	5534	-60.1335	-16.0935	0.213	-0.0885	2.1855	163.6035	1
5534_5534	5534	5534	98.4975	-0.732	0.027	0.0225	1.86	110.31	1
5534_5535	5534	5535	-59.7435	-17.4885	0.2535	-0.021	3.9675	289.659	1
5535_5535	5535	5535	55.3815	-0.843	0.873	0.015	2.13	118.9635	1
5535_5536	5535	5536	-60.3675	-21.8625	0.3075	-0.072	7.125	528.258	1
5536_5536	5536	5536	46.9545	-0.312	0.783	-0.27	10.5345	131.7645	1
5536_5537	5536	5537	-59.832	-23.286	0.294	-0.3645	8.1795	609.3975	1
5537_5537	5537	5537	47.2755	-0.402	-1.071	-0.2535	13.557	132.7815	1
5537_5254	5537	5254	-59.4465	-26.3925	-1.017	-0.141	3.6075	717.2025	1
5540_5278	5540	5278	81.4335	-1.323	-1.6965	-0.4815	-8.7495	120.7155	1
5540_5541	5540	5541	-65.5305	25.5285	-1.9485	-1.116	-7.29	610.446	1
5541_5541	5541	5541	85.3275	-1.764	0.948	-0.5535	-16.44	127.011	1
5541_5542	5541	5542	-61.8	22.7475	-0.228	-1.2795	-8.1495	530.0655	1
5542_5542	5542	5542	89.3265	0.141	0.7755	0.0435	-13.1865	133.791	1
5542_5543	5542	5543	-62.34	21.225	-0.1125	0.0135	-9.081	298.3035	1
5543_5543	5543	5543	91.608	2.202	0.405	-0.246	-5.388	135.1965	1
5543_5544	5543	5544	-61.965	17.5485	0.366	-0.3855	-5.763	171.27	1
5544_5544	5544	5544	99.849	4.0425	0.126	0.1485	-2.286	121.2975	1
5544_5545	5544	5545	-66.501	15.87	0.5115	0.225	-1.9965	55.971	1
5545_5545	5545	5545	100.545	6.444	0.2385	0.0135	-2.0415	93.5865	1
5545_5546	5545	5546	-56.43	-5.664	-0.201	-0.003	-1.575	18.936	1
5546_5546	5546	5546	52.746	-8.5725	1.1745	-0.33	-6.5805	167.085	1
5546_5547	5546	5547	-75.2745	-9.6765	1.7325	-0.045	14.223	99.585	1
5547_5547	5547	5547	50.457	-9.309	0.447	0.018	-1.62	251.643	1
5547_5548	5547	5548	-82.779	-11.7195	1.971	-0.2115	26.334	163.5885	1
5548_5548	5548	5548	47.4045	-19.8315	0.528	-0.153	-0.24	303.735	1
5548_5549	5548	5549	-68.7195	4.065	-1.095	2.736	22.035	148.6005	1
5549_5549	5549	5549	47.541	19.713	0.639	-0.2985	-0.483	363.822	1
5549_5550	5549	5550	-74.1615	-3.936	0.4725	-3.3675	24.876	161.7225	1
5550_5550	5550	5550	50.6715	8.982	0.5625	-0.4935	0.69	305.0475	1
5550_5551	5550	5551	-61.662	10.836	-1.656	0.03	13.9725	98.1765	1
5551_5551	5551	5551	50.097	9.6885	0.6825	-0.033	1.998	254.796	1
5551_5552	5551	5552	-43.9665	7.731	-1.185	-0.0645	1.146	23.5425	1
5552_5552	5552	5552	51.585	9.5325	-0.3345	-0.1515	7.812	177.9195	1
5552_5553	5552	5553	-63.3165	-12.5655	0.453	0.06	0.6885	37.8105	1
5553_5553	5553	5553	80.0355	-0.441	0	-0.1275	4.9395	106.4475	1
5553_5554	5553	5554	-64.968	-15.975	0.588	-0.1185	4.9935	150.147	1
5554_5554	5554	5554	73.2885	-1.9455	0.03	-0.12	5.163	126.0465	1
5554_5555	5554	5555	-64.5345	-17.6415	0.6555	-0.0735	9.5475	274.4235	1
5555_5555	5555	5555	63.771	-0.231	1.1205	-0.0915	5.541	142.7655	1
5555_5556	5555	5556	-65.868	-21.417	1.7895	-0.402	28.443	502.3065	1
5556_5556	5556	5556	53.4435	0.279	0.777	-0.1485	14.877	152.433	1
5556_5557	5556	5557	-65.2425	-23.2425	1.9365	0.057	34.731	582.015	1
5557_5557	5557	5557	51.015	-0.1965	-0.9105	-0.705	16.9545	151.932	1
5557_5290	5557	5290	-66.4065	-25.983	-2.8785	-1.8135	20.4525	723.1935	1
45000_5000	45000	5000	2.193	29.574	-0.387	0.348	0	15.9225	1
45000_5001	45000	5001	-1.488	-76.5675	0.3075	-0.627	3.9195	963.3495	1
45001_5001	45001	5001	-0.2835	-4.0545	0.261	-0.1125	3.315	49.359	1
45001_5002	45001	5002	-1.7805	-64.197	0.375	0.5325	8.445	1438.428	1
45002_5002	45002	5002	-0.3435	-4.1595	-0.2565	-0.1335	5.0235	89.589	1
45002_5003	45002	5003	-1.9095	-53.2245	-0.435	-1.3335	3.756	1914.374	1
45003_5003	45003	5003	-0.345	-4.1595	-0.2565	0.0795	1.9005	140.0985	1
45003_5004	45003	5004	-2.0865	-40.7235	-0.4695	1.404	-1.773	2160.734	1
45004_5004	45004	5004	-0.3435	-4.1415	0.0285	-0.138	-1.212	190.5585	1
45004_5005	45004	5005	-2.1705	-44.601	0.0525	-0.9075	-1.3695	2402.421	1
45005_5005	45005	5005	-0.3585	-4.143	0.027	0.084	-0.852	240.846	1
45005_5006	45005	5006	-2.1945	-33.759	0.057	1.134	-0.777	2473.259	1
45006_5006	45006	5006	-0.3585	-4.1805	-0.024	-0.2805	-0.516	291.1845	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45006_5007	45006	5007	-2.1795	-39.981	-0.0525	-1.9815	-1.485	2602.373	1
45007_5007	45007	5007	-0.3945	-4.188	-0.0225	0.279	-0.8055	341.958	1
45007_5008	45007	5008	-2.1405	-29.5605	-0.051	1.938	-2.2095	2581.109	1
45008_5008	45008	5008	-0.423	-4.284	0.006	-0.336	-1.0725	392.832	1
45008_5009	45008	5009	-2.0895	-36.015	0.027	-2.043	-1.965	2630.789	1
45009_5009	45009	5009	-0.423	-4.284	0.0075	0.3915	-0.996	444.8505	1
45009_5010	45009	5010	-2.136	-4.5975	0.033	2.1525	-1.4805	2537.102	1
45010_5010	45010	5010	-0.423	-4.4565	-0.018	0.042	-0.9105	496.872	1
45010_5011	45010	5011	-2.085	-11.3505	-0.0525	0.12	-2.253	2535.71	1
45011_5011	45011	5011	-0.423	-4.4565	-0.018	0.042	-1.122	550.965	1
45011_5012	45011	5012	-2.0295	-0.381	-0.051	0.084	-2.9265	2389.536	1
45012_5012	45012	5012	-0.423	-4.7925	0.0045	-0.1605	-1.335	605.07	1
45012_5013	45012	5013	-1.971	-6.687	0.123	-0.708	-1.4625	2312.756	1
45013_5013	45013	5013	-0.441	-4.8105	0.006	0.318	-1.2615	663.3345	1
45013_5014	45013	5014	-1.914	4.3125	0.117	0.8865	-0.0915	2095.077	1
45014_5014	45014	5014	-0.441	-5.2425	-0.042	-0.1665	-1.185	721.716	1
45014_5015	45014	5015	-1.83	2.9055	-0.198	-0.462	-3.5385	1852.25	1
45015_5015	45015	5015	-0.426	-5.3055	-0.0465	0.4545	-1.881	806.271	1
45015_5016	45015	5016	-1.4025	-11.499	-0.1635	0.825	-4.4265	1657.758	1
45016_5016	45016	5016	-0.3105	-6.4035	0.0405	-0.39	-2.283	850.059	1
45016_5017	45016	5017	-0.948	-14.2365	0.108	-0.6495	-2.856	1459.253	1
45017_5017	45017	5017	-0.1665	-6.465	0.0435	0.495	-1.767	925.824	1
45017_5018	45017	5018	-0.8625	-3.786	0.1065	0.549	-1.2105	1107.477	1
45018_5018	45018	5018	0.039	-7.4175	-0.0375	-0.432	-1.212	1011.932	1
45018_5019	45018	5019	-0.786	-0.2745	-0.009	-0.273	-1.4235	750.336	1
45019_5019	45019	5019	0.225	-7.485	-0.0375	0.6795	-1.569	1105.433	1
45019_5020	45019	5020	0.279	-1.596	-0.024	0.2685	-1.485	418.5375	1
45020_5020	45020	5020	-16.059	37.854	-0.066	-0.1335	0.822	886.191	1
45020_5021	45020	5021	58.2705	-48.675	0.2145	-0.2595	-3.6645	741.186	1
45021_5021	45021	5021	-19.8915	25.173	-0.045	-0.081	-0.7485	582.267	1
45021_5022	45021	5022	50.5035	-42.243	0.1875	-0.285	-1.878	894.1785	1
45022_5022	45022	5022	-27.081	18.207	-0.006	0.393	-1.6845	414.5835	1
45022_5023	45022	5023	42.4545	-35.1165	0.1185	0.585	-0.7845	996.5475	1
45023_5023	45023	5023	-39.741	12.684	0.0345	0.171	-2.2935	301.2435	1
45023_5024	45023	5024	34.8975	-35.622	0.0585	0.243	-0.0975	1114.631	1
45024_5024	45024	5024	-56.4015	0.501	-0.015	-0.264	-3.4215	279.111	1
45024_5025	45024	5025	28.194	-27.774	0.087	-1.4295	0.705	1181.199	1
45025_5025	45025	5025	-56.4015	0.501	0.1335	0.456	-3.5355	275.103	1
45025_5026	45025	5026	23.118	-19.2765	0.0135	1.4415	0.8355	1196.082	1
45026_5026	45026	5026	-55.509	-0.0615	0.0765	-0.0015	-2.4675	271.218	1
45026_5027	45026	5027	20.2035	-26.019	0.0375	-0.2655	1.095	1243.481	1
45027_5027	45027	5027	-55.509	-0.0615	0.066	-0.048	-2.01	271.5855	1
45027_5028	45027	5028	18.18	-19.6485	0.033	-0.5715	1.23	1261.821	1
45028_5028	45028	5028	-53.598	-0.0645	0.0765	-0.0015	-1.599	271.9605	1
45028_5029	45028	5029	16.8075	-13.0695	0.0225	-0.4515	1.269	1239.05	1
45029_5029	45029	5029	-53.598	-0.0645	0.165	0.45	-1.1415	272.3445	1
45029_5030	45029	5030	19.773	-23.205	-0.045	1.296	0.621	1185.969	1
45030_5030	45030	5030	-53.5995	-0.918	0.111	-0.129	-0.1515	272.73	1
45030_5031	45030	5031	23.361	-27.3615	-0.039	-0.9765	0.1755	1167.686	1
45031_5031	45031	5031	-55.509	-0.9795	0.18	0.2205	0.744	280.527	1
45031_5032	45031	5032	28.2495	-19.509	-0.0855	0.36	-0.633	1097.717	1
45032_5032	45032	5032	-56.403	-1.0065	0.1815	0.2205	2.1945	288.5445	1
45032_5033	45032	5033	33.7995	-12.444	-0.102	0.2565	-1.6905	976.6005	1
45033_5033	45033	5033	-56.403	-2.0415	0.21	-0.0615	3.645	296.5995	1
45033_5034	45033	5034	39.7425	-12.8865	-0.1425	-0.186	-3.0225	871.3425	1
45034_5034	45034	5034	-33.312	-18.06	0.039	-0.225	-2.298	397.176	1
45034_5035	45034	5035	45.4305	-6.456	-0.1635	-0.2655	-4.6245	729.747	1
45035_5035	45035	5035	-23.2995	-25.056	0.0705	0.3615	-1.1565	576.342	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45035_5036	45035	5036	52.668	-0.0705	-0.2265	0.2685	-7.2495	521.3655	1
45036_5036	45036	5036	37.8645	36.987	0.0825	-0.924	5.3565	1449.515	1
45036_5037	45036	5037	-23.0955	-53.022	-0.018	-0.8805	-2.2305	684.5055	1
45037_5037	45037	5037	35.0145	30.7275	0.015	1.1445	6.2385	1028.078	1
45037_5038	45037	5038	-26.2785	-43.2465	0.0465	0.444	-2.493	1001.085	1
45038_5038	45038	5038	-22.236	8.3475	-0.093	-0.711	-2.427	895.9995	1
45038_5039	45038	5039	-30.1485	-39.048	-0.0735	-1.1325	-3.6675	1295.804	1
45039_5039	45039	5039	-22.434	7.8	-0.054	0.711	-3.7095	783.021	1
45039_5040	45039	5040	-32.3235	-28.9545	-0.0105	0.9525	-4.5945	1428.359	1
45040_5040	45040	5040	-22.569	6.2745	0.099	-0.303	-4.3305	691.386	1
45040_5041	45040	5041	-33.564	-35.49	0.1095	-0.7035	-3.855	1560.047	1
45041_5041	45041	5041	-22.473	6.06	0.114	0.1245	-3.5385	633.315	1
45041_5042	45041	5042	-34.677	-20.9745	0.126	0.258	-2.1615	1653.96	1
45042_5042	45042	5042	-22.1325	5.253	-0.0375	0	-1.7955	538.353	1
45042_5043	45042	5043	-34.5915	-27.042	-0.0525	0.003	-2.817	1796.184	1
45043_5043	45043	5043	-22.1325	5.253	-0.0375	0	-2.25	475.6965	1
45043_5044	45043	5044	-33.6825	-15.003	-0.048	-0.0195	-3.5865	1821.027	1
45044_5044	45044	5044	-22.1325	4.9335	0.021	0.0345	-2.703	413.0505	1
45044_5045	45044	5045	-30.339	-39.3165	0.0075	0.0795	-3.273	1922.252	1
45045_5045	45045	5045	-22.1325	4.9335	0.0195	0.009	-2.4465	354.174	1
45045_5046	45045	5046	-29.586	-27.705	-0.006	-0.075	-3.2565	1883.406	1
45046_5046	45046	5046	-7.599	-5.079	-0.003	-0.3075	-1.6935	313.368	1
45046_5047	45046	5047	-30.312	-16.131	0.012	-1.494	-3.081	1925.328	1
45047_5047	45047	5047	-7.599	-5.079	0.009	0.2925	-1.7235	373.9665	1
45047_5048	45047	5048	-28.7475	-22.398	0.045	1.2495	-2.409	1825.535	1
45048_5048	45048	5048	-7.599	-5.2725	0.015	-0.399	-1.608	434.511	1
45048_5049	45048	5049	-28.38	-28.209	0.0495	-1.4535	-1.7625	1799.589	1
45049_5049	45049	5049	-7.599	-5.2725	0.027	0.4335	-1.437	497.4105	1
45049_5050	45049	5050	-27.504	-17.3115	0.0915	1.242	-0.579	1655.285	1
45050_5050	45050	5050	-8.106	-5.7675	0.0255	-0.3045	-1.0605	560.499	1
45050_5051	45050	5051	-25.3575	-20.808	-0.0585	-0.729	-1.329	1548.848	1
45051_5051	45051	5051	-8.058	-5.835	0.0375	0.6225	-0.657	651.8955	1
45051_5052	45051	5052	-23.526	-12.435	-0.018	1.233	-1.368	1416.492	1
45052_5052	45052	5052	-8.2455	-6.864	-0.018	-0.7155	-0.387	700.1235	1
45052_5053	45052	5053	-20.07	-15.5355	-0.039	-1.2045	-1.368	1287.549	1
45053_5053	45053	5053	-8.4375	-7.1445	0	0.783	-0.546	783.8205	1
45053_5054	45053	5054	-15.7545	-4.887	0.0105	0.936	-1.167	1006.787	1
45054_5054	45054	5054	-8.355	-7.986	-0.0075	-0.708	-0.6285	878.6745	1
45054_5055	45054	5055	-11.589	-1.239	0.0075	-0.483	-0.885	695.544	1
45055_5055	45055	5055	32.238	-29.439	-0.0735	0.6675	2.3355	983.397	1
45055_5056	45055	5056	2.031	-1.6065	0	0.303	-0.6345	341.787	1
45056_5056	45056	5056	-18.267	37.035	-0.0585	0.0735	0.888	797.8515	1
45056_5057	45056	5057	50.595	-48.327	0.1185	-0.0585	-2.256	764.6625	1
45057_5057	45057	5057	-22.404	24.6555	-0.06	-0.1755	-0.1905	518.493	1
45057_5058	45057	5058	44.6295	-41.7075	0.129	-0.444	-1.074	918.9225	1
45058_5058	45058	5058	-35.3175	14.9055	-0.0135	0.3	-1.1985	368.181	1
45058_5059	45058	5059	38.28	-34.4205	0.0705	0.606	-0.42	1029.201	1
45059_5059	45059	5059	-55.761	1.4235	-0.2175	-0.6015	0.5955	324.393	1
45059_5060	45059	5060	32.313	-35.0685	0.126	-1.8	0.687	1153.641	1
45060_5060	45060	5060	-55.7625	1.4235	-0.084	0.1515	-1.1505	312.9915	1
45060_5061	45060	5061	27.0405	-27.162	0.0435	0.843	1.0245	1224.666	1
45061_5061	45061	5061	-55.7625	1.4235	-0.084	0.1515	-1.8195	301.605	1
45061_5062	45061	5062	23.127	-18.6405	0.039	0.774	1.311	1241.655	1
45062_5062	45062	5062	-54.5745	0.426	-0.105	-0.324	-2.493	290.301	1
45062_5063	45062	5063	18.2685	-41.9505	0.0075	-0.9645	1.236	1292.076	1
45063_5063	45063	5063	-54.5745	0.426	-0.111	-0.3555	-3.123	287.7435	1
45063_5064	45063	5064	19.0065	-35.445	0.006	-1.2045	1.2465	1311.375	1
45064_5064	45064	5064	-54.5745	0.426	-0.015	0.15	-3.789	285.1905	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45064_5065	45064	5065	18.468	-12.8715	-0.018	1.071	1.3005	1289.636	1
45065_5065	45065	5065	-54.5745	0.426	-0.015	0.15	-3.8745	282.6345	1
45065_5066	45065	5066	22.284	-23.2665	-0.039	0.789	0.7485	1238.412	1
45066_5066	45066	5066	-54.576	-0.183	-0.0495	-0.2175	-3.96	280.092	1
45066_5067	45066	5067	25.887	-27.726	-0.0405	-0.4545	0.351	1219.877	1
45067_5067	45067	5067	-55.764	-0.207	-0.0495	-0.2175	-4.35	281.718	1
45067_5068	45067	5068	30.8205	-19.842	-0.0465	-0.5385	-0.1185	1147.838	1
45068_5068	45068	5068	-54.2985	-0.807	0.162	0.351	0.984	283.8	1
45068_5069	45068	5069	36.432	-12.7305	-0.099	0.765	-1.032	1023.306	1
45069_5069	45069	5069	-54.2955	-1.6695	0.1305	-0.276	2.2755	290.2755	1
45069_5070	45069	5070	42.417	-13.3155	-0.072	-0.9855	-1.7625	914.3265	1
45070_5070	45070	5070	-36.777	-15.1545	0.0465	0.015	-2.139	376.7535	1
45070_5071	45070	5071	48.042	-6.726	-0.1455	0.1245	-3.114	765.036	1
45071_5071	45071	5071	-23.268	-24.7875	0.06	0.3255	-0.885	532.038	1
45071_5072	45071	5072	55.269	-0.132	-0.1965	0.384	-5.3565	552.8535	1
45072_5072	45072	5072	31.065	41.3385	0.0345	-0.4785	3.9585	1310.39	1
45072_5073	45072	5073	-19.1985	-53.1045	0.021	-0.672	-2.187	698.8155	1
45073_5073	45073	5073	-10.701	8.1075	0.0465	0.738	-2.757	998.268	1
45073_5074	45073	5074	-21.504	-42.9855	0.048	0.3075	-2.145	1017.249	1
45074_5074	45074	5074	-10.9395	7.1085	0.0075	-0.8655	-2.0805	896.6805	1
45074_5075	45074	5075	-24.558	-38.652	0.03	-1.389	-2.0445	1315.209	1
45075_5075	45075	5075	-10.269	6.7095	0.033	0.8775	-2.0865	799.4235	1
45075_5076	45075	5076	-26.016	-28.1805	0.084	1.2105	-1.6155	1448.217	1
45076_5076	45076	5076	-10.3845	5.544	-0.027	-0.552	-1.674	720.6	1
45076_5077	45076	5077	-26.769	-35.1975	-0.051	-1.272	-2.0205	1594.941	1
45077_5077	45077	5077	-10.0695	5.433	-0.0165	0.294	-1.9185	678.603	1
45077_5078	45077	5078	-27.249	-21.8805	0.009	0.603	-2.241	1730.399	1
45078_5078	45078	5078	-9.387	4.974	0.006	-0.4815	-2.217	601.1445	1
45078_5079	45078	5079	-25.071	-45.753	-0.051	-1.6785	-2.631	1899.653	1
45079_5079	45079	5079	-9.387	4.974	0.0225	0.4905	-2.154	545.367	1
45079_5080	45079	5080	-24.207	-34.9845	-0.0105	1.38	-2.724	1945.674	1
45080_5080	45080	5080	-9.387	4.725	0.0015	-0.3885	-1.905	489.5985	1
45080_5081	45080	5081	-23.577	-41.163	0.0045	-1.8795	-2.6685	2064.867	1
45081_5081	45081	5081	-9.387	4.725	0.018	0.3885	-1.89	436.608	1
45081_5082	45081	5082	-23.238	-30.4425	0.0465	1.47	-2.115	2053.437	1
45082_5082	45082	5082	-9.387	4.6005	0.0135	0.0195	-1.6875	383.6325	1
45082_5083	45082	5083	-23.2215	-36.345	-0.012	-0.0345	-2.199	2121.047	1
45083_5083	45083	5083	-7.8135	-4.446	0	-0.006	-1.4745	329.721	1
45083_5084	45083	5084	-23.2305	-6.1065	-0.0105	0.057	-2.361	2045.481	1
45084_5084	45084	5084	-7.8135	-4.5405	-0.0165	-0.3705	-1.4715	383.3055	1
45084_5085	45084	5085	-23.226	-13.3815	0.003	-1.743	-2.3145	2050.955	1
45085_5085	45085	5085	-7.8135	-4.5405	-0.0015	0.4035	-1.647	434.202	1
45085_5086	45085	5086	-23.502	-2.1195	0.042	1.7685	-1.8255	1925.699	1
45086_5086	45086	5086	-8.3715	-4.7835	0.0315	-0.483	-1.6635	485.181	1
45086_5087	45086	5087	-24.0015	-8.9055	0.051	-1.6635	-1.2675	1875.933	1
45087_5087	45087	5087	-8.3715	-4.7835	0.0465	0.498	-1.317	538.8045	1
45087_5088	45087	5088	-25.086	-17.007	0.0855	1.3905	-0.3105	1715.645	1
45088_5088	45088	5088	-8.3715	-5.163	-0.027	-0.291	-0.801	592.485	1
45088_5089	45088	5089	-24.147	-19.917	-0.0495	-0.7305	-1.071	1599.189	1
45089_5089	45089	5089	-8.3265	-5.235	-0.0165	0.57	-1.167	661.734	1
45089_5090	45089	5090	-22.8585	-12.8985	-0.0195	1.119	-1.2	1452.122	1
45090_5090	45090	5090	-8.553	-6.2175	-0.012	-0.831	-1.3305	705.0405	1
45090_5091	45090	5091	-19.998	-15.7755	-0.024	-1.401	-1.281	1309.938	1
45091_5091	45091	5091	-8.7975	-6.5085	0.0075	0.819	-1.4025	780.0705	1
45091_5092	45091	5092	-16.14	-4.86	0.0285	0.9735	-0.942	1009.188	1
45092_5092	45092	5092	-8.736	-7.404	-0.009	-0.333	-1.362	866.529	1
45092_5093	45092	5093	-12.1755	-1.3695	-0.012	-0.228	-1.209	689.7	1
45093_5093	45093	5093	-8.7615	-7.701	-0.0015	0.495	-1.383	960.0465	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45093_5094	45093	5094	-9.0675	6.894	0.009	0.216	-1.0455	282.021	1
45094_5094	45094	5094	-17.4975	36.171	-0.012	-0.1665	0.1395	784.305	1
45094_5095	45094	5095	48.252	-48.3735	0.114	-0.4335	-1.8225	751.3965	1
45095_5095	45095	5095	-21.513	23.997	0.003	-0.0315	-0.5265	510.939	1
45095_5096	45095	5096	42.57	-41.6325	0.0825	-0.249	-1.026	903.243	1
45096_5096	45096	5096	-34.119	14.556	0.048	0.4215	-1.113	364.515	1
45096_5097	45096	5097	36.4905	-34.206	0.027	0.7215	-0.75	1010.907	1
45097_5097	45097	5097	-55.35	0.8985	-0.069	-0.1935	0.7755	302.9355	1
45097_5098	45097	5098	30.7965	-35.1585	0.036	-0.339	-0.3945	1134.875	1
45098_5098	45098	5098	-55.35	0.8985	-0.069	-0.1935	0.219	295.749	1
45098_5099	45098	5099	25.7535	-27.126	0.03	-0.4395	-0.1245	1204.953	1
45099_5099	45099	5099	-53.1675	0.837	-0.003	0.156	-0.3495	288.7305	1
45099_5100	45099	5100	22.047	-18.471	0	0.915	-0.1035	1219.761	1
45100_5100	45100	5100	-53.1675	0.051	0.0105	0.384	-0.372	282.0375	1
45100_5101	45100	5101	17.508	-42.045	-0.036	1.935	-0.1725	1271.532	1
45101_5101	45101	5101	-53.1675	0.051	0.099	0.8535	-0.306	281.73	1
45101_5102	45101	5102	18.228	-35.448	-0.0735	4.2645	-0.6	1292.037	1
45102_5102	45102	5102	-53.166	0.051	-0.255	-1.0215	0.2925	281.424	1
45102_5103	45102	5103	19.47	-29.0505	0.0465	-3.8115	-0.3915	1271.097	1
45103_5103	45103	5103	-53.1675	0.051	-0.168	-0.5685	-1.2345	281.1195	1
45103_5104	45103	5104	21.399	-23.1345	0.012	-1.5615	-0.396	1220.291	1
45104_5104	45104	5104	-53.1675	-0.4515	-0.099	-0.3285	-2.2455	280.8135	1
45104_5105	45104	5105	24.8955	-28.017	0.0015	-1.026	-0.489	1205.405	1
45105_5105	45105	5105	-51.72	-0.9705	0.0765	0.177	0.9075	285.249	1
45105_5106	45105	5106	29.718	-19.989	-0.036	0.333	-0.846	1135.283	1
45106_5106	45106	5106	-51.72	-0.9705	0.078	0.1875	1.5165	293.0025	1
45106_5107	45106	5107	35.217	-12.75	-0.045	0.279	-1.3215	1011.035	1
45107_5107	45107	5107	-51.7185	-1.842	0.066	-0.0585	2.142	300.768	1
45107_5108	45107	5108	41.0985	-13.524	-0.054	-0.219	-1.8795	903.255	1
45108_5108	45108	5108	-35.37	-14.508	-0.0105	-0.2235	-1.5015	366.378	1
45108_5109	45108	5109	46.578	-6.771	-0.0615	-0.327	-2.5365	753.1305	1
45109_5109	45109	5109	-22.1745	-23.9325	0.021	0.321	-0.7005	512.463	1
45109_5110	45109	5110	53.6625	-0.0195	-0.123	0.3105	-3.9255	539.6145	1
45110_5110	45110	5110	30.2565	39.5355	0.033	-0.522	3.312	1296.152	1
45110_5111	45110	5111	-18.0645	-52.8855	0.0195	-0.6435	-1.7805	698.469	1
45111_5111	45111	5111	-9.786	8.067	0.0315	0.717	-2.463	982.215	1
45111_5112	45111	5112	-20.1225	-42.4875	0.054	0.3165	-1.548	1010.613	1
45112_5112	45112	5112	-9.69	7.0785	-0.0315	-0.522	-2.0295	881.9295	1
45112_5113	45112	5113	-22.9995	-38.274	-0.0465	-0.8385	-2.3085	1302.633	1
45113_5113	45113	5113	-9.462	6.7755	-0.018	0.5415	-2.5035	786.8625	1
45113_5114	45113	5114	-24.4785	-27.4695	-0.0165	0.7305	-2.9625	1423.857	1
45114_5114	45114	5114	-9.2415	5.7945	0.0735	-0.1395	-2.703	707.6625	1
45114_5115	45114	5115	-25.3755	-34.491	0.1275	-0.297	-2.01	1552.071	1
45115_5115	45115	5115	-9.291	5.7135	0.075	0.0585	-2.1015	660.3075	1
45115_5116	45115	5116	-26.1495	-20.784	0.1455	0.0975	-0.0255	1642.863	1
45116_5116	45116	5116	-8.661	5.202	-0.0345	-0.231	-1.077	579.2685	1
45116_5117	45116	5117	-26.2035	-27.2835	-0.117	-0.795	-1.2375	1778.166	1
45117_5117	45117	5117	-8.661	5.202	-0.027	0.2325	-1.461	520.947	1
45117_5118	45117	5118	-25.7055	-15.7095	-0.099	0.708	-2.364	1803.923	1
45118_5118	45118	5118	-8.661	5.01	0.0285	-0.156	-1.758	462.6255	1
45118_5119	45118	5119	-25.095	-22.914	0.075	-0.81	-1.515	1906.011	1
45119_5119	45119	5119	-8.661	5.01	0.036	0.207	-1.4325	406.452	1
45119_5120	45119	5120	-24.5115	-11.289	0.099	0.81	-0.3705	1883.751	1
45120_5120	45120	5120	-8.661	4.911	-0.0045	-0.3345	-1.0215	350.2785	1
45120_5121	45120	5121	-24.123	-18.1725	-0.063	-2.4	-1.086	1949.747	1
45121_5121	45121	5121	-8.661	4.911	0.0165	0.387	-1.0815	291.0885	1
45121_5122	45121	5122	-24.0885	-5.595	-0.0015	2.2275	-1.0575	1861.359	1
45122_5122	45122	5122	-11.415	-3.3345	-0.0135	-0.12	-0.3645	259.7025	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45122_5123	45122	5123	-24.414	-13.38	0.0225	-0.78	-0.723	1860.431	1
45123_5123	45123	5123	-11.415	-3.3345	-0.003	0.1455	-0.5205	297.0795	1
45123_5124	45123	5124	-25.0665	-1.6605	0.039	0.795	-0.2445	1724.465	1
45124_5124	45124	5124	-11.799	-3.585	0.009	-0.3195	-0.5565	334.482	1
45124_5125	45124	5125	-25.9965	-8.817	-0.006	-1.4385	-0.312	1669.193	1
45125_5125	45125	5125	-11.8935	-3.588	0.03	0.348	-0.4545	374.679	1
45125_5126	45125	5126	-28.4805	-15.663	0.0525	1.1955	0.285	1502.067	1
45126_5126	45126	5126	-11.895	-4.0425	-0.0075	-0.216	-0.1155	414.894	1
45126_5127	45126	5127	-27.855	-19.008	0.009	-0.6465	0.522	1389.324	1
45127_5127	45127	5127	-12.117	-4.1655	0.0075	0.3735	-0.2115	467.256	1
45127_5128	45127	5128	-26.6685	-11.808	0.027	0.8895	0.7335	1241.336	1
45128_5128	45128	5128	-12.0285	-5.229	0.0015	-0.5895	-0.165	501.6135	1
45128_5129	45128	5129	-23.7315	-15.18	0.0045	-1.164	0.798	1114.331	1
45129_5129	45129	5129	-12.264	-5.61	0.027	0.5985	-0.093	567.63	1
45129_5130	45129	5130	-19.5165	-4.0905	0.096	0.807	1.9185	835.6275	1
45130_5130	45130	5130	26.199	-22.866	-0.0105	-0.4125	0.162	748.914	1
45130_5131	45130	5131	-14.9835	-2.142	-0.204	-0.2505	-0.4995	550.47	1
45131_5131	45131	5131	28.8285	-29.1375	-0.0015	0.4305	0.3495	1076.652	1
45131_5132	45131	5132	9.153	-4.3965	-0.036	0.0885	-1.311	329.511	1
45132_5132	45132	5132	-15.666	38.0715	-0.009	0.2445	0.891	799.7775	1
45132_5133	45132	5133	53.355	-48.8985	-0.1365	2.064	-1.506	661.236	1
45133_5133	45133	5133	-16.5675	26.1495	0.048	1.497	0.6345	501.1905	1
45133_5134	45133	5134	46.851	-41.9325	-0.2025	3.693	-2.7225	819.1845	1
45134_5134	45134	5134	-64.7535	2.9805	-0.429	-2.958	4.5255	351.5175	1
45134_5135	45134	5135	39.9435	-34.2135	0.378	-5.538	0.6435	924.693	1
45135_5135	45135	5135	-63.0495	2.163	-0.0285	-0.216	1.269	328.872	1
45135_5136	45135	5136	33.372	-36.1755	-0.0765	-0.543	0.1515	1054.995	1
45136_5136	45136	5136	-63.0495	2.163	0.051	0.174	1.041	311.5605	1
45136_5137	45136	5137	27.4425	-27.8625	-0.1065	0.804	-0.753	1128.039	1
45137_5137	45137	5137	-63.0495	2.163	-0.03	-0.198	1.4445	294.2505	1
45137_5138	45137	5138	22.854	-18.9045	-0.06	-0.54	-1.245	1143.371	1
45138_5138	45138	5138	-60.753	1.32	-0.087	-0.27	1.1625	277.302	1
45138_5139	45138	5139	15.4845	-41.856	0.039	-1.011	-0.6825	1204.56	1
45139_5139	45139	5139	-60.753	1.32	0.015	0.18	0.642	269.3805	1
45139_5140	45139	5140	15.687	-34.974	0.0105	0.9765	-0.57	1227.885	1
45140_5140	45140	5140	-60.753	1.32	-0.087	-0.2565	0.729	261.459	1
45140_5141	45140	5141	16.431	-28.3065	0.0345	-1.0155	-0.348	1207.608	1
45141_5141	45141	5141	-61.293	1.317	0.015	0.1665	0.2145	253.5375	1
45141_5142	45141	5142	17.913	-22.1535	0.0045	0.8265	-0.2955	1156.121	1
45142_5142	45142	5142	-61.293	0.8565	-0.066	-0.0495	0.303	245.631	1
45142_5143	45142	5143	20.877	-27.432	-0.009	-0.0405	-0.4155	1144.502	1
45143_5143	45143	5143	-40.545	-2.757	-0.0345	0.0105	0.459	250.0065	1
45143_5144	45143	5144	25.2285	-19.1085	-0.006	-0.042	-0.4875	1074.884	1
45144_5144	45144	5144	-41.1135	-2.769	-0.0345	0.0105	0.186	272.088	1
45144_5145	45144	5145	30.267	-11.61	-0.003	-0.0405	-0.516	947.9325	1
45145_5145	45145	5145	-41.1195	-3.888	0.051	0.174	-0.0885	294.2325	1
45145_5146	45145	5146	35.7615	-12.36	0.0255	0.2175	-0.288	837.7755	1
45146_5146	45146	5146	-31.9635	-16.3245	-0.045	0.219	-0.126	358.4655	1
45146_5147	45146	5147	40.9005	-5.4195	0.0255	0.2955	-0.1065	684.78	1
45147_5147	45147	5147	-21.0375	-25.641	-0.066	-0.429	-0.3015	521.7465	1
45147_5148	45147	5148	47.565	1.476	0.0675	-0.3915	0.4125	459.8505	1
45148_5148	45148	5148	50.667	37.3605	0.003	-0.351	0.564	1370.162	1
45148_5149	45148	5149	-27.63	-52.3515	-0.027	-0.255	0.237	632.7285	1
45149_5149	45149	5149	48.966	28.116	-0.036	0.381	0.5415	966.4365	1
45149_5150	45149	5150	-32.0355	-42.051	-0.0075	0.162	-0.0675	926.3715	1
45150_5150	45150	5150	-22.68	8.0025	-0.0165	-0.1335	-0.6375	793.638	1
45150_5151	45150	5151	-37.329	-37.68	-0.0015	-0.1755	0.0165	1192.02	1
45151_5151	45151	5151	-22.5615	7.3815	-0.0105	0.069	-0.8805	680.511	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45151_5152	45151	5152	-40.719	-27.123	0.0105	0.099	0.0345	1284.264	1
45152_5152	45152	5152	-22.317	6.228	0.006	-0.018	-1.0035	594.0675	1
45152_5153	45152	5153	-42.8145	-34.0635	-0.006	-0.021	-0.045	1399.758	1
45153_5153	45153	5153	-22.326	6.0375	0.0045	-0.015	-0.96	540.1125	1
45153_5154	45153	5154	-45.237	-20.721	-0.0045	-0.027	-0.1605	1463.342	1
45154_5154	45154	5154	-21.9675	5.622	0.003	-0.0075	-0.9045	457.404	1
45154_5155	45154	5155	-46.359	-26.544	-0.0045	-0.0375	-0.2205	1578.231	1
45155_5155	45155	5155	-21.9675	5.622	0.003	-0.0075	-0.879	395.5605	1
45155_5156	45155	5156	-46.6815	-14.811	-0.003	-0.036	-0.267	1585.262	1
45156_5156	45156	5156	-21.9675	5.469	-0.0015	0	-0.8535	333.7155	1
45156_5157	45156	5157	-46.7445	-21.5445	-0.024	-0.0465	-0.5055	1649.055	1
45157_5157	45157	5157	-21.9675	5.469	-0.0015	-0.003	-0.8655	278.973	1
45157_5158	45157	5158	-46.668	-10.8255	-0.0285	-0.063	-0.816	1611.143	1
45158_5158	45158	5158	-21.2745	5.4225	0.024	0.099	-0.891	224.343	1
45158_5159	45158	5159	-47.04	-33.6465	0.036	0.81	-0.4005	1643.547	1
45159_5159	45159	5159	-22.32	-4.7865	-0.0165	-0.1335	-0.654	248.364	1
45159_5160	45159	5160	-47.1285	-23.5545	-0.0165	-0.681	-0.5865	1577.493	1
45160_5160	45160	5160	-22.3215	-4.989	0.0105	-0.015	-0.819	296.2755	1
45160_5161	45160	5161	-46.9815	-28.656	0.0255	-0.036	-0.3585	1567.725	1
45161_5161	45161	5161	-22.3215	-4.989	0.0105	-0.015	-0.7065	351.1545	1
45161_5162	45161	5162	-46.0365	-18.054	0.03	-0.024	0.0015	1450.464	1
45162_5162	45162	5162	-22.32	-5.4825	-0.069	-0.1455	-0.5955	406.041	1
45162_5163	45162	5163	-43.5285	-20.604	-0.1035	-0.417	-1.4115	1375.722	1
45163_5163	45163	5163	-22.9575	-5.715	-0.0525	0.2175	-1.4955	483.1545	1
45163_5164	45163	5164	-41.0355	-13.4625	-0.072	0.504	-2.0325	1259.898	1
45164_5164	45164	5164	-22.8435	-6.9795	0.06	0.3375	-1.92	530.298	1
45164_5165	45164	5165	-36.228	-16.128	0.0795	0.645	-1.179	1147.559	1
45165_5165	45165	5165	-22.917	-7.5945	0.0345	-0.3015	-1.218	618.8205	1
45165_5166	45165	5166	-29.8155	-5.4045	0.0285	-0.411	-0.57	886.074	1
45166_5166	45166	5166	-23.0265	-9.03	-0.021	-0.3255	-0.735	720.234	1
45166_5167	45166	5167	-23.352	-1.6395	-0.0225	-0.228	-0.6165	589.266	1
45167_5167	45167	5167	50.0325	-27.915	-0.021	0.381	1.314	1027.038	1
45167_5168	45167	5168	21.7545	-3.7155	-0.0075	0.0945	0.2685	342.5535	1
45168_5168	45168	5168	-17.9175	37.056	0.006	-0.321	-0.3165	849.2985	1
45168_5169	45168	5169	44.8365	-49.875	0.033	-0.2835	-0.468	679.1865	1
45169_5169	45169	5169	-21.9585	26.9475	0.03	0.36	-0.417	534.411	1
45169_5170	45169	5170	39.432	-43.1985	-0.033	0.5655	-0.579	843.9405	1
45170_5170	45170	5170	-32.571	17.1165	-0.0075	-0.0975	-0.3735	361.4265	1
45170_5171	45170	5171	33.6255	-35.799	0.009	-0.4215	-0.4485	959.13	1
45171_5171	45171	5171	-44.862	2.6685	0.0315	0.219	0.6375	308.0985	1
45171_5172	45171	5172	28.251	-36.366	-0.021	0.897	-0.4875	1089.516	1
45172_5172	45172	5172	-44.862	2.6685	-0.0255	-0.1395	0.8865	286.7505	1
45172_5173	45172	5173	23.535	-28.2735	0.0105	-0.4035	-0.3195	1165.775	1
45173_5173	45173	5173	-44.262	2.661	-0.0255	-0.1395	0.6825	265.4505	1
45173_5174	45173	5174	20.208	-19.5255	0.0105	-0.3795	-0.222	1186.976	1
45174_5174	45174	5174	-44.262	1.815	0.0255	0.1695	0.4845	244.1535	1
45174_5175	45174	5175	17.925	-42.111	-0.0195	1.0095	-0.075	1240.715	1
45175_5175	45175	5175	-44.262	1.815	-0.048	-0.219	0.6405	233.2665	1
45175_5176	45175	5176	17.481	-20.1465	0.015	-1.11	-0.105	1262.967	1
45176_5176	45176	5176	-44.262	1.815	0.0255	0.1515	0.354	222.378	1
45176_5177	45176	5177	17.061	-13.416	-0.0135	1.017	-0.147	1243.007	1
45177_5177	45177	5177	-57.363	-1.53	-0.0255	-0.1605	-0.831	231.288	1
45177_5178	45177	5178	23.715	-22.7805	0.0105	-0.8745	-0.0015	1189.11	1
45178_5178	45178	5178	-56.7165	-2.472	0.015	-0.0765	-0.9885	240.4725	1
45178_5179	45178	5179	28.1595	-27.1815	0.0045	-0.4275	0.0855	1169.202	1
45179_5179	45179	5179	-57.3645	-2.4855	0.015	-0.0765	-0.861	260.349	1
45179_5180	45179	5180	33.939	-19.107	0.006	-0.4845	0.1695	1094.516	1
45180_5180	45180	5180	-57.3645	-2.4855	0.087	0.273	-0.7395	280.233	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45180_5181	45180	5181	40.3455	-11.8305	-0.042	0.708	-0.0945	965.6235	1
45181_5181	45181	5181	-57.3645	-3.543	-0.024	-0.09	-0.0435	300.12	1
45181_5182	45181	5182	47.1	-12.192	0.012	-0.5445	-0.0885	851.0415	1
45182_5182	45182	5182	-27.0795	-17.1675	0.012	0.351	-0.129	355.9065	1
45182_5183	45182	5183	53.397	-5.5455	-0.042	0.5535	-0.4215	697.0905	1
45183_5183	45183	5183	-19.0305	-27.021	-0.0075	-0.3045	0.066	532.902	1
45183_5184	45183	5184	61.3245	1.0845	0.027	-0.231	-0.204	472.7205	1
45184_5184	45184	5184	41.3715	41.751	-0.009	0.4125	-0.522	1497.924	1
45184_5185	45184	5185	-23.1195	-53.8185	-0.0105	0.204	0.114	572.4195	1
45185_5185	45185	5185	38.958	31.7955	0.018	-0.3615	-0.633	1034.165	1
45185_5186	45185	5186	-26.5395	-44.1195	-0.0255	-0.165	-0.048	886.1715	1
45186_5186	45186	5186	-14.013	6.621	-0.0195	0.0945	-0.246	691.794	1
45186_5187	45186	5187	-30.7425	-39.4485	-0.0285	0.225	-0.5295	1180.485	1
45187_5187	45187	5187	-13.914	6.2415	-0.027	-0.1875	-0.495	600.621	1
45187_5188	45187	5188	-33.2595	-29.2455	-0.051	-0.285	-1.0545	1314.38	1
45188_5188	45188	5188	-13.5675	5.1495	-0.0075	-0.066	-0.819	527.343	1
45188_5189	45188	5189	-34.7655	-35.028	-0.012	-0.117	-1.2135	1450.568	1
45189_5189	45189	5189	-13.6095	5.0385	-0.0075	-0.0525	-0.8805	482.5635	1
45189_5190	45189	5190	-36.381	-22.128	-0.0195	-0.0855	-1.584	1552.481	1
45190_5190	45190	5190	-13.6095	4.608	-0.0135	-0.054	-0.9795	413.289	1
45190_5191	45190	5191	-36.963	-26.7645	-0.039	-0.1275	-2.172	1684.524	1
45191_5191	45191	5191	-13.305	4.6005	-0.0135	-0.054	-1.1355	362.6565	1
45191_5192	45191	5192	-36.8655	-15.513	-0.039	-0.126	-2.739	1712.868	1
45192_5192	45192	5192	-13.194	4.4055	-0.012	-0.0495	-1.2855	312.0525	1
45192_5193	45192	5193	-36.012	-38.6715	-0.0105	-0.162	-3.141	1785.824	1
45193_5193	45193	5193	-13.194	4.4055	-0.012	-0.0465	-1.41	267.909	1
45193_5194	45193	5194	-35.9955	-28.7955	-0.015	-0.129	-3.3705	1760.769	1
45194_5194	45194	5194	-10.5165	-5.0145	-0.0465	-0.0735	-3.189	256.77	1
45194_5195	45194	5195	-36.0555	-34.05	-0.057	-0.1275	-4.029	1793.112	1
45195_5195	45195	5195	-10.5165	-5.0145	-0.0465	-0.0735	-3.66	307.0665	1
45195_5196	45195	5196	-35.9985	-24.429	-0.06	-0.111	-4.7205	1729.046	1
45196_5196	45196	5196	-10.5165	-5.3445	-0.036	-0.0405	-4.1295	357.3615	1
45196_5197	45196	5197	-35.73	-28.7145	-0.03	-0.0915	-5.115	1711.467	1
45197_5197	45197	5197	-11.5005	-5.382	-0.0345	-0.0405	-4.44	416.4465	1
45197_5198	45197	5198	-34.806	-18.663	-0.0285	-0.0735	-5.376	1593.233	1
45198_5198	45198	5198	-11.5005	-6.1245	-0.0345	-0.0165	-4.821	475.6575	1
45198_5199	45198	5199	-32.5725	-20.445	-0.051	-0.051	-5.8725	1504.731	1
45199_5199	45199	5199	-11.451	-6.2175	-0.0345	0.024	-5.289	562.362	1
45199_5200	45199	5200	-30.4245	-13.6515	-0.0495	0.009	-6.0795	1389.764	1
45200_5200	45200	5200	-11.9955	-7.563	-0.021	0.063	-5.4645	613.725	1
45200_5201	45200	5201	-26.4495	-15.192	-0.009	0.1095	-5.8035	1255.779	1
45201_5201	45201	5201	-11.901	-7.8735	-0.024	0.0165	-5.6955	706.671	1
45201_5202	45201	5202	-21.36	-5.076	-0.009	-0.0315	-5.268	978.2085	1
45202_5202	45202	5202	-11.9865	-9.18	-0.0375	0.429	-5.9025	811.446	1
45202_5203	45202	5203	-16.4055	-1.164	-0.0285	0.333	-5.028	664.2195	1
45203_5203	45203	5203	39.345	-31.7835	0.0465	-0.6825	6.6075	1071.894	1
45203_5204	45203	5204	1.6875	-1.7685	-0.012	-0.0075	-3.3165	320.0805	1
45204_5204	45204	5204	-21.669	40.1235	-0.0345	0.213	0.8025	899.604	1
45204_5205	45204	5205	54.732	-48.4995	0.1275	0.3195	-7.3545	766.842	1
45205_5205	45205	5205	-26.4165	27.078	-0.015	-0.4005	-1.6245	580.326	1
45205_5206	45205	5206	48.6405	-42.378	0.183	-0.5775	-5.34	930.5715	1
45206_5206	45206	5206	-34.251	19.6395	0.0585	0.1395	-3.1125	401.3505	1
45206_5207	45206	5207	42.1755	-35.6145	0.114	0.5355	-3.8355	1043.942	1
45207_5207	45207	5207	-57.516	1.6395	-0.186	-0.2085	7.0005	321.9765	1
45207_5208	45207	5208	36.09	-35.5995	0.0765	0.027	-2.697	1169.04	1
45208_5208	45208	5208	-57.516	1.6395	-0.186	-0.2085	5.508	308.862	1
45208_5209	45208	5209	30.6525	-28.1055	0.0645	0.0195	-1.7355	1245.999	1
45209_5209	45209	5209	-57.516	1.6395	-0.186	-0.2085	4.0155	295.749	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45209_5210	45209	5210	26.547	-19.9905	0.0435	0.0105	-0.9855	1274.646	1
45210_5210	45210	5210	-57.516	0.7305	-0.0945	0.015	2.5215	282.6315	1
45210_5211	45210	5211	21.6705	-42.4965	-0.0225	1.083	0.174	1330.085	1
45211_5211	45211	5211	-57.516	0.7305	-0.1905	-0.4485	1.956	278.247	1
45211_5212	45211	5212	22.563	-36.183	0.0045	-1.1145	0.3735	1352.223	1
45212_5212	45212	5212	-57.516	0.7305	-0.0945	0.0075	0.8145	273.861	1
45212_5213	45212	5213	24.0405	-30.0465	-0.045	1.0725	0.267	1334.55	1
45213_5213	45213	5213	-60.411	0.6825	-0.1935	-0.4425	0.291	269.5965	1
45213_5214	45213	5214	26.2755	-24.3315	-0.0165	-0.987	0.2115	1288.595	1
45214_5214	45214	5214	-60.4125	0.1155	-0.105	-0.3615	-0.873	265.5105	1
45214_5215	45214	5215	30.2385	-27.3765	-0.0195	-0.7425	0.0735	1265.297	1
45215_5215	45215	5215	-63.048	0.003	-0.027	-0.0315	-1.6995	264.8115	1
45215_5216	45215	5216	35.493	-19.887	-0.0645	0.795	-0.4035	1193.661	1
45216_5216	45216	5216	-68.232	-0.3255	-0.105	-0.366	-1.815	265.4115	1
45216_5217	45216	5217	41.367	-13.1115	-0.0285	-0.6045	-0.7365	1073.474	1
45217_5217	45217	5217	-54.732	-10.614	-0.393	-1.5915	-1.125	300.024	1
45217_5218	45217	5218	47.5755	-12.975	-0.0165	-2.3655	-0.9705	963.4995	1
45218_5218	45218	5218	-36.084	-18.912	-0.2895	-1.2255	-2.97	411.525	1
45218_5219	45218	5219	53.4	-6.8595	-0.123	-1.5915	-2.1045	818.844	1
45219_5219	45219	5219	-26.688	-27.027	-0.105	2.289	-4.224	588.4275	1
45219_5220	45219	5220	60.684	-0.6525	-0.48	2.409	-6.7995	604.773	1
45220_5220	45220	5220	43.41	43.8195	0.2295	-1.134	-0.8745	1413.605	1
45220_5221	45220	5221	-22.2705	-53.016	0.081	-1.5015	-1.224	731.616	1
45221_5221	45221	5221	-10.9275	9.792	0.1725	1.3755	-3.795	1037.915	1
45221_5222	45221	5222	-25.674	-43.983	0.1665	0.423	0.492	1056.471	1
45222_5222	45222	5222	-10.878	8.691	-0.072	-1.734	-1.5135	915.2925	1
45222_5223	45222	5223	-29.9655	-39.222	-0.126	-2.9085	-1.2465	1357.838	1
45223_5223	45223	5223	-10.977	8.406	-0.0255	1.6095	-2.586	796.3365	1
45223_5224	45223	5224	-32.85	-29.7555	-0.003	2.1975	-2.1705	1506.365	1
45224_5224	45224	5224	-10.449	7.2105	-0.1125	-1.725	-2.7885	698.0925	1
45224_5225	45224	5225	-34.7025	-34.515	-0.192	-4.332	-3.549	1646.769	1
45225_5225	45225	5225	-10.5075	7.1265	-0.0735	0.7545	-3.7365	638.5215	1
45225_5226	45225	5226	-37.3965	-20.9775	-0.0915	1.593	-5.5095	1772.438	1
45226_5226	45226	5226	-10.137	6.5685	-0.0165	-1.047	-4.887	528.5955	1
45226_5227	45226	5227	-39.705	-43.5345	-0.177	-4.401	-8.3355	1901.282	1
45227_5227	45227	5227	-10.0065	6.564	0.0255	0.8535	-5.0925	450.7695	1
45227_5228	45227	5228	-39.858	-32.667	-0.0435	2.7495	-9.117	1911.303	1
45228_5228	45228	5228	-10.005	6.294	-0.0945	-0.681	-4.791	372.912	1
45228_5229	45228	5229	-39.855	-35.9505	-0.2745	-4.587	-12.7365	1965.482	1
45229_5229	45229	5229	-13.5765	-6.3645	-0.156	0.4995	-9.6885	353.916	1
45229_5230	45229	5230	-39.594	-25.3065	-0.147	2.8425	-15.0015	1886.619	1
45230_5230	45230	5230	-14.544	-6.8535	-0.18	-1.1535	-11.3445	429.6615	1
45230_5231	45230	5231	-38.7645	-27.5955	-0.2595	-3.444	-18.6765	1848.567	1
45231_5231	45231	5231	-14.9385	-6.8715	-0.129	0.531	-13.419	513.2325	1
45231_5232	45231	5232	-37.0515	-17.316	-0.1455	1.9395	-20.5725	1691.207	1
45232_5232	45232	5232	-14.9415	-7.713	0.111	-1.4985	-14.9925	596.9205	1
45232_5233	45232	5233	-35.1225	-20.6205	0.228	-2.6835	-18.054	1607.627	1
45233_5233	45233	5233	-15.5865	-7.8615	0.1365	-0.414	-13.632	668.1225	1
45233_5234	45233	5234	-33.234	-15.225	0.273	-0.438	-15.8535	1502.55	1
45234_5234	45234	5234	-15.498	-8.034	0.1725	1.404	-12.669	722.2785	1
45234_5235	45234	5235	-30.7845	-9.738	0.3375	2.715	-12.8715	1348.731	1
45235_5235	45235	5235	-15.3615	-8.895	-1.056	-2.7315	-11.439	784.341	1
45235_5236	45235	5236	-28.65	-11.5935	-2.082	-3.4575	-23.766	1257.6	1
45236_5236	45236	5236	-15.2295	-9.126	-1.002	-0.036	-17.0445	838.6905	1
45236_5237	45236	5237	-25.473	-5.82	-1.911	-0.006	-39.6945	1086.521	1
45237_5237	45237	5237	-15.4065	-9.3705	-0.9645	2.187	-25.1325	916.071	1
45237_5238	45237	5238	-22.947	-1.8285	-1.779	2.319	-50.4165	919.0935	1
45238_5238	45238	5238	-15.1125	-13.0185	0.9405	-2.43	-31.8195	977.553	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45238_5239	45238	5239	-18.4575	-10.6035	2.2155	-2.5875	-25.6995	778.59	1
45239_5239	45239	5239	-14.898	-13.8465	0.963	1.209	-21.903	1106.859	1
45239_5240	45239	5240	-14.622	-3.369	2.1495	0.12	-0.2085	549.249	1
45240_5240	45240	5240	-42.3465	24.057	-0.0195	-1.3215	-2.442	803.3445	1
45240_5241	45240	5241	60.444	-35.5425	-1.5075	-1.1535	-4.965	1022.51	1
45241_5241	45241	5241	-51.21	17.7825	-0.2325	1.0875	-4.6965	547.752	1
45241_5242	45241	5242	56.8725	-30.0525	-1.7505	2.8395	-14.7765	1072.728	1
45242_5242	45242	5242	-58.266	14.9475	-0.3945	1.5705	-8.5425	454.5975	1
45242_5243	45242	5243	52.8345	-24.0075	-1.752	3.312	-25.347	1086.83	1
45243_5243	45243	5243	-69.141	13.488	0.123	-0.234	-16.305	370.7925	1
45243_5244	45243	5244	46.911	-36.429	1.077	-2.271	-12.6855	1254.59	1
45244_5244	45244	5244	-55.269	0.6045	-0.585	0.063	8.5755	305.886	1
45244_5245	45244	5245	42.1125	-28.0725	0.8235	1.5615	-2.9985	1358.519	1
45245_5245	45245	5245	-55.272	0.0495	-0.426	-0.7485	2.847	299.895	1
45245_5246	45245	5246	37.458	-42.321	0.168	-2.8215	2.91	1458.489	1
45246_5246	45246	5246	-55.2735	0.0495	-0.2385	0.2655	-1.4745	299.3925	1
45246_5247	45246	5247	39.243	-33.1515	-0.018	1.5345	3.849	1468.115	1
45247_5247	45247	5247	-59.5305	-0.672	-0.0825	-0.798	-3.7935	299.7945	1
45247_5248	45247	5248	42.2955	-31.425	0.273	-2.7	7.239	1462.986	1
45248_5248	45248	5248	-59.5305	-0.672	0.102	0.15	-4.566	306.036	1
45248_5249	45248	5249	47.289	-22.2705	0.093	1.2645	9.0885	1374.488	1
45249_5249	45249	5249	-66.3375	-1.5375	0.4155	-0.7635	-3.579	315.426	1
45249_5250	45249	5250	53.724	-18.7725	0.222	-1.7865	11.853	1272.338	1
45250_5250	45250	5250	-72.285	-2.3115	0.585	0.096	0.366	334.008	1
45250_5251	45250	5251	60.3615	-11.706	0.0045	1.089	11.7855	1124.12	1
45251_5251	45251	5251	-60.234	-12.8355	-0.9765	-1.5645	-1.158	398.2755	1
45251_5252	45251	5252	64.8345	-26.307	-1.833	-2.274	0.1905	1117.95	1
45252_5252	45252	5252	-52.6575	-15.555	-0.5295	-0.7365	-6.7215	483.3135	1
45252_5253	45252	5253	69.1275	-20.715	-1.884	-0.693	-11.763	1081.916	1
45253_5253	45253	5253	-45.018	-19.2375	-0.0015	0.8925	-6.9585	590.235	1
45253_5254	45253	5254	75.636	-12.9	-1.9365	1.8105	-29.3895	973.5555	1
45254_5254	45254	5254	43.05	28.6125	-0.33	11.388	-10.7865	1483.413	1
45254_5255	45254	5255	-16.6185	-34.167	-2.7645	-2.3805	-31.9965	664.557	1
45255_5255	45255	5255	43.5435	32.301	-0.624	-1.653	-11.7615	1408.737	1
45255_5256	45255	5256	-21.234	-41.535	2.6385	-1.3815	5.808	921.7725	1
45256_5256	45256	5256	-10.5675	12.696	2.238	2.2665	-0.5385	1112.862	1
45256_5257	45256	5257	-23.199	-34.464	2.5935	1.5585	31.3635	1034.949	1
45257_5257	45257	5257	-10.32	9.1575	-0.6705	-3.039	20.721	997.812	1
45257_5258	45257	5258	-25.7715	-48.2025	-1.0425	-3.6345	25.554	1194.749	1
45258_5258	45258	5258	-10.434	9.03	-0.6435	-1.011	16.2315	938.22	1
45258_5259	45258	5259	-27.663	-43.2735	-0.9585	-1.5435	18.8655	1358.594	1
45259_5259	45259	5259	-10.5795	8.8605	-0.612	1.6635	11.346	866.3895	1
45259_5260	45259	5260	-29.424	-38.055	-0.8925	2.1435	12.075	1478.06	1
45260_5260	45260	5260	-10.68	8.1495	-0.4185	-2.868	6.7305	798.2505	1
45260_5261	45260	5261	-30.876	-39.852	-0.741	-5.6925	8.175	1595.823	1
45261_5261	45261	5261	-10.668	8.046	-0.3795	-0.204	4.2285	750.1035	1
45261_5262	45261	5262	-32.304	-35.1915	-0.6705	-0.3255	3.696	1698.393	1
45262_5262	45262	5262	-10.7175	7.9815	-0.3675	0.558	1.797	699.402	1
45262_5263	45262	5263	-35.1405	-25.2945	-0.6705	1.176	-5.427	1821.309	1
45263_5263	45263	5263	-10.1115	7.3365	-0.1125	-1.1175	-2.5245	602.2485	1
45263_5264	45263	5264	-37.53	-26.3685	-0.264	-3.45	-8.925	1954.904	1
45264_5264	45264	5264	-10.1115	7.3365	-0.084	0.3705	-3.8115	518.4735	1
45264_5265	45264	5265	-39.435	-16.008	-0.207	1.8045	-12.567	1996.427	1
45265_5265	45265	5265	-10.1115	6.945	-0.1665	-0.963	-4.7865	433.125	1
45265_5266	45265	5266	-43.857	-38.6475	-0.486	-4.917	-21.285	2063.493	1
45266_5266	45266	5266	-9.888	6.9345	-0.1275	0.429	-6.6765	352.2285	1
45266_5267	45266	5267	-44.8185	-28.866	-0.345	2.4075	-25.764	2016.155	1
45267_5267	45267	5267	-24.9915	-7.5495	-0.2685	-1.6815	-16.842	394.2015	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45267_5268	45267	5268	-45.282	-30.93	-0.369	-5.4555	-30.2265	2003.918	1
45268_5268	45268	5268	-25.062	-7.5525	-0.1485	0.621	-19.9125	481.329	1
45268_5269	45268	5269	-44.964	-21.5295	-0.159	3.1695	-31.6815	1888.604	1
45269_5269	45269	5269	-25.065	-8.2905	-0.3285	-2.2665	-21.618	568.2945	1
45269_5270	45269	5270	-44.067	-24.8115	-0.372	-4.7055	-34.332	1832.063	1
45270_5270	45270	5270	-25.0665	-8.2905	-0.2565	-0.4095	-24.531	641.766	1
45270_5271	45270	5271	-42.5775	-17.844	-0.225	0.1485	-35.1285	1717.01	1
45271_5271	45271	5271	-25.014	-8.4495	-0.1995	1.368	-26.7825	716.136	1
45271_5272	45271	5272	-41.019	-13.4805	-0.108	3.687	-34.587	1607.313	1
45272_5272	45272	5272	-24.9105	-9.453	-0.8295	-2.835	-28.119	770.2755	1
45272_5273	45272	5273	-38.889	-14.85	-1.755	-3.567	-45.15	1501.553	1
45273_5273	45273	5273	-24.81	-9.717	-0.78	-0.804	-33.9375	836.7435	1
45273_5274	45273	5274	-36.6495	-10.5705	-1.6305	-0.4065	-53.892	1378.869	1
45274_5274	45274	5274	-24.768	-10.149	-0.7125	1.932	-38.8185	906.492	1
45274_5275	45274	5275	-32.3085	-4.0425	-1.392	2.8335	-65.265	1132.772	1
45275_5275	45275	5275	-24.2955	-13.9035	1.872	-2.625	-47.067	1019.957	1
45275_5276	45275	5276	-27.1305	-13.926	4.803	-1.605	-11.9175	1017.825	1
45276_5276	45276	5276	-24.333	-14.5245	1.932	2.6205	-28.0905	1158.6	1
45276_5277	45276	5277	-23.091	-7.4265	4.848	2.154	40.4895	841.071	1
45277_5277	45277	5277	-23.8155	-18.126	-0.5445	-0.189	-9.8745	1297.568	1
45277_5278	45277	5278	-18.804	-14.907	-3.657	4.2105	15.882	743.658	1
45278_5278	45278	5278	-54.957	19.833	0.801	0.1245	-17.0775	755.196	1
45278_5279	45278	5279	60.489	-29.037	-1.602	-2.589	-6.1815	1136.112	1
45279_5279	45279	5279	-62.427	17.256	0.762	1.548	-10.9395	572.6925	1
45279_5280	45279	5280	56.697	-23.196	-1.9335	0.5145	-18.3225	1140.204	1
45280_5280	45280	5280	-71.7345	13.7475	-0.1065	-0.426	-8.6865	467.196	1
45280_5281	45280	5281	50.1795	-29.811	1.0125	-1.9875	-6.0735	1248.326	1
45281_5281	45281	5281	-89.6415	9.255	0.168	0.396	-13.671	332.2665	1
45281_5282	45281	5282	44.268	-18.285	0.8265	0.9555	4.749	1240.529	1
45282_5282	45282	5282	-88.779	3.651	0.96	-0.3375	-15.867	312.279	1
45282_5283	45282	5283	40.9725	-19.1085	0.027	-1.9215	5.355	1262.408	1
45283_5283	45283	5283	-56.616	0.4395	-0.27	0.3615	-6.399	287.394	1
45283_5284	45283	5284	40.143	-7.155	-0.201	1.707	1.917	1173.414	1
45284_5284	45284	5284	-60.7215	-1.716	0.3045	-0.5265	-10.2615	283.662	1
45284_5285	45284	5285	50.88	-30.6885	-0.177	-1.518	-6.756	1200.897	1
45285_5285	45285	5285	-66.8175	-2.244	0.5085	0.201	-7.344	305.361	1
45285_5286	45285	5286	57.5565	-21.048	-0.2355	0.9555	-9.7995	1131.353	1
45286_5286	45286	5286	-71.7915	-4.059	-0.0705	-0.969	-2.0325	330.936	1
45286_5287	45286	5287	66.4515	-24.9405	0.807	-2.4315	0.2055	1133.792	1
45287_5287	45287	5287	-69.363	-9.6045	-0.0315	0.4065	-3.201	403.0965	1
45287_5288	45287	5288	75.528	-14.895	0.345	0.957	3.315	1027.836	1
45288_5288	45288	5288	-53.8065	-16.599	-0.2355	-1.158	-6.174	548.397	1
45288_5289	45288	5289	78.678	-30.252	-2.0355	-3.747	-6.1305	1043.847	1
45289_5289	45289	5289	-50.16	-17.7165	0.0255	-0.0255	-7.0185	620.6235	1
45289_5290	45289	5290	85.6425	-22.5225	-1.902	-2.1495	-26.5095	1049.136	1
45290_5290	45290	5290	-1.377	14.6985	-2.4	2.325	-2.94	1426.194	1
45290_5291	45290	5291	-7.9815	-37.6005	-4.9455	4.521	-55.9365	920.7705	1
45291_5291	45291	5291	-1.857	11.97	2.4645	-2.1855	-27.5385	1273.031	1
45291_5292	45291	5292	-7.8135	-40.5705	3.8865	-1.9725	-8.3625	1175.601	1
45292_5292	45292	5292	-2.0625	11.847	2.4945	2.145	-1.0695	1143.21	1
45292_5293	45292	5293	-7.0635	-32.736	3.657	2.2965	29.832	1341.866	1
45293_5293	45293	5293	-2.3715	8.223	-0.549	-2.607	23.5095	1028.639	1
45293_5294	45293	5294	-7.2045	-42.459	-0.702	-3.8865	25.092	1537.232	1
45294_5294	45294	5294	-2.484	8.16	-0.5445	-0.4725	19.488	968.265	1
45294_5295	45294	5295	-7.803	-58.341	-0.5415	-0.9585	20.274	1708.832	1
45295_5295	45295	5295	-2.574	8.133	-0.5385	1.5795	15.324	905.964	1
45295_5296	45295	5296	-7.344	-51.4545	-0.495	2.409	15.6285	1862.663	1
45296_5296	45296	5296	-2.541	6.5535	-0.249	-1.686	10.929	839.4315	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45296_5297	45296	5297	-7.4025	-60.42	-0.4875	-3.957	13.4355	1968.111	1
45297_5297	45297	5297	-2.541	6.5535	-0.246	-0.801	9.894	812.922	1
45297_5298	45297	5298	-7.5405	-52.4115	-0.456	-2.016	8.7135	2167.232	1
45298_5298	45298	5298	-2.5425	6.5535	-0.24	0.9885	7.611	752.2125	1
45298_5299	45298	5299	-7.6545	-44.6415	-0.4065	2.628	4.704	2283.822	1
45299_5299	45299	5299	-2.367	5.5485	-0.0495	-1.47	5.514	692.322	1
45299_5300	45299	5300	-7.779	-48.8925	-0.012	-5.346	4.602	2487.341	1
45300_5300	45300	5300	-2.367	5.5485	-0.0405	0.963	4.938	627.5985	1
45300_5301	45300	5301	-7.896	-38.628	0.009	3.5145	4.611	2568.764	1
45301_5301	45301	5301	-2.3685	4.77	-0.09	-1.092	4.4385	558.8655	1
45301_5302	45301	5302	-7.995	-43.4985	-0.123	-5.3895	2.877	2703.558	1
45302_5302	45302	5302	-2.328	4.7655	-0.081	0.8265	3.3255	499.239	1
45302_5303	45302	5303	-8.0505	-34.0455	-0.087	4.182	1.737	2701.284	1
45303_5303	45303	5303	-2.328	4.281	-0.0795	-0.915	2.388	444.2655	1
45303_5304	45303	5304	-8.004	-17.253	-0.045	-5.9625	1.227	2785.539	1
45304_5304	45304	5304	-2.1345	4.26	-0.0705	0.7695	1.41	388.626	1
45304_5305	45304	5305	-8.0565	-7.9335	-0.0015	5.7705	1.2645	2733.341	1
45305_5305	45305	5305	-2.1345	3.9405	-0.117	-0.5835	0.639	341.5905	1
45305_5306	45305	5306	-8.0565	-14.136	-0.141	-4.884	-0.246	2746.539	1
45306_5306	45306	5306	-2.136	3.9405	-0.1095	0.372	-0.774	294.084	1
45306_5307	45306	5307	-7.9635	-3.903	-0.1065	3.7395	-1.278	2616.567	1
45307_5307	45307	5307	-2.103	3.762	-0.0705	-0.495	-2.088	246.882	1
45307_5308	45307	5308	-7.737	-9.4305	-0.0585	-5.445	-1.6275	2535.053	1
45308_5308	45308	5308	-1.8585	3.7335	-0.0645	0.306	-2.8995	202.221	1
45308_5309	45308	5309	-7.2975	1.7085	-0.0195	4.161	-1.4715	2284.517	1
45309_5309	45309	5309	-1.8285	3.5595	-0.636	-0.246	-3.6885	156.7815	1
45309_5310	45309	5310	-6.582	-0.3345	0.0885	-4.014	0.0735	2016.029	1
45310_5310	45310	5310	-1.404	3.495	-0.5445	0.177	-10.2855	114.2265	1
45310_5311	45310	5311	-6.1305	19.4085	0.126	3	1.9575	1528.578	1
45311_5311	45311	5311	-0.522	3.2175	0.522	-0.045	-12.2685	73.095	1
45311_5312	45311	5312	-4.7595	26.928	-0.1095	-1.7925	0.9495	858.7035	1
45312_5312	45312	5312	1.6365	2.409	-0.0255	-0.087	0.2715	36.789	1
45312_5313	45312	5313	2.9475	-3.2805	-0.9405	-0.321	0	17.3415	1

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
5000_5000	5000	5000	-0.747	-3.4605	-0.0045	-0.027	0	-2.493	1
5000_5001	5000	5001	-3.579	3.78	-0.0405	0.0225	-0.522	-28.587	1
5001_5001	5001	5001	-72.6045	19.9185	-0.0495	-0.087	-0.6165	-557.946	1
5001_5002	5001	5002	-6.6135	3.801	-0.0345	0.015	-0.7905	-51.888	1
5002_5002	5002	5002	-108.707	16.9605	0.063	0.1485	-1.3305	-833.096	1
5002_5003	5002	5003	-10.4715	3.8775	0.0405	0.018	-0.3	-81.141	1
5003_5003	5003	5003	-144.992	-1.842	0.0675	-0.2055	-0.591	-1108.75	1
5003_5004	5003	5004	-14.3265	3.8775	0.0405	-0.0105	0.1905	-110.366	1
5004_5004	5004	5004	-163.695	0.9705	-0.0075	0.102	0.279	-1251.4	1
5004_5005	5004	5005	-18.1605	3.8625	-0.0045	0.018	0.1335	-139.491	1
5005_5005	5005	5005	-182.112	-9.879	-0.009	-0.1695	0.216	-1391.42	1
5005_5006	5005	5006	-22.008	3.8625	-0.0045	-0.0105	0.081	-168.644	1
5006_5006	5006	5006	-187.518	-3.894	0.0075	0.2355	0.123	-1432.52	1
5006_5007	5006	5007	-25.863	3.903	0.003	0.036	0.1275	-198.053	1
5007_5007	5007	5007	-197.387	-14.187	0.0075	-0.294	0.234	-1507.22	1
5007_5008	5007	5008	-29.7315	3.9075	0.003	-0.036	0.1695	-227.516	1
5008_5008	5008	5008	-195.779	-7.6965	-0.0045	0.2445	0.348	-1494.84	1
5008_5009	5008	5009	-33.7065	3.993	-0.0015	0.0435	0.1575	-257.646	1
5009_5009	5009	5009	-199.619	-17.883	-0.0045	-0.2925	0.309	-1523.68	1
5009_5010	5009	5010	-37.6815	3.993	-0.0015	-0.051	0.144	-287.768	1
5010_5010	5010	5010	-192.441	-31.053	0.009	-0.0195	0.234	-1469.52	1
5010_5011	5010	5011	-41.8155	4.1535	0.003	-0.006	0.177	-319.104	1
5011_5011	5011	5011	-192.356	-40.875	0.009	-0.015	0.3555	-1468.61	1
5011_5012	5011	5012	-45.9495	4.1535	0.003	-0.006	0.21	-350.433	1
5012_5012	5012	5012	-181.229	-35.3535	-0.0195	0.0705	0.4605	-1383.99	1
5012_5013	5012	5013	-50.391	4.485	-0.0015	0.021	0.198	-384.186	1
5013_5013	5013	5013	-175.395	-45.2235	-0.0195	-0.1245	0.2295	-1339.49	1
5013_5014	5013	5014	-54.852	4.485	-0.0015	-0.0405	0.186	-417.996	1
5014_5014	5014	5014	-158.796	-42.5025	0.036	0.0405	0.015	-1213.41	1
5014_5015	5014	5015	-61.3125	4.9425	0.0075	0.0225	0.297	-467.123	1
5015_5015	5015	5015	-152.496	-54.18	0.021	-0.0675	0.3795	-1097.39	1
5015_5016	5015	5016	-68.844	4.743	0.0045	-0.03	0.2445	-505.683	1
5016_5016	5016	5016	-133.059	-29.472	-0.012	0.033	0.4785	-986.141	1
5016_5017	5016	5017	-68.349	5.5395	-0.0045	0.024	0.1935	-557.988	1
5017_5017	5017	5017	-104.493	-39.3405	-0.012	-0.0615	0.3015	-883.979	1
5017_5018	5017	5018	-62.1285	5.5185	-0.0045	-0.0405	0.123	-628.025	1
5018_5018	5018	5018	-64.347	-43.461	0.003	0.0105	0.135	-687.354	1
5018_5019	5018	5019	-55.152	6.399	0.0045	0.033	0.18	-704.49	1
5019_5019	5019	5019	-31.95	-52.71	0.0015	-0.045	0.1455	-478.188	1
5019_5020	5019	5020	-58.179	39.522	0.0045	-0.0195	-0.3045	-879.534	1
5020_5020	5020	5020	-91.1805	-0.114	-0.0255	0.012	0.672	-325.283	1
5020_5021	5020	5021	-35.217	-23.3205	0.0045	0.0135	0.081	-349.392	1
5021_5021	5021	5021	-101.516	-6.024	-0.018	0.0105	0.3105	-436.61	1
5021_5022	5021	5022	-18.8715	-16.8075	0.003	0.0045	0.1425	-239.666	1
5022_5022	5022	5022	-108.654	-11.961	-0.0105	-0.0405	0.159	-516.915	1
5022_5023	5022	5023	-1.194	-11.196	-0.0015	-0.021	0.195	-174.143	1
5023_5023	5023	5023	-112.466	-11.5425	-0.006	-0.0135	0.066	-576.09	1
5023_5024	5023	5024	11.1105	-0.4635	-0.006	-0.006	0.2895	-161.351	1
5024_5024	5024	5024	-117.936	-18.075	-0.009	0.0705	0.0075	-644.355	1
5024_5025	5024	5025	11.4555	-0.4635	0.0015	0.015	0.3	-159.035	1
5025_5025	5025	5025	-119.496	-25.3185	-0.0015	-0.0915	-0.06	-682.838	1
5025_5026	5025	5026	11.2335	-0.4425	-0.0105	-0.0255	0.2085	-156.786	1
5026_5026	5026	5026	-117.615	-21.483	-0.0045	0.0105	-0.0705	-691.448	1
5026_5027	5026	5027	11.202	0.057	-0.006	0	0.171	-157.001	1
5027_5027	5027	5027	-119.885	-26.9385	-0.003	0.027	-0.093	-718.842	1
5027_5028	5027	5028	9.978	0.0585	-0.006	0.003	0.135	-157.218	1
5028_5028	5028	5028	-120.204	-32.82	-0.003	0.0195	-0.1035	-729.446	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5028_5029	5028	5029	9.945	0.0585	-0.006	0	0.096	-157.44	1
5029_5029	5029	5029	-117.383	-38.895	0	-0.0885	-0.108	-716.28	1
5029_5030	5029	5030	9.912	0.0585	-0.0135	-0.024	0.0135	-157.662	1
5030_5030	5030	5030	-114.653	-17.847	0.003	0.0465	-0.0525	-685.589	1
5030_5031	5030	5031	10.431	0.9045	-0.009	0.0075	-0.063	-162.17	1
5031_5031	5031	5031	-115.316	-25.6995	0.006	-0.0255	-0.015	-675.026	1
5031_5032	5031	5032	10.296	0.9285	-0.015	-0.012	-0.186	-166.805	1
5032_5032	5032	5032	-112.329	-32.949	0.0075	-0.0195	0.054	-634.578	1
5032_5033	5032	5033	9.6015	0.9285	-0.015	-0.012	-0.309	-171.456	1
5033_5033	5033	5033	-105.344	-32.469	0.0105	0.0075	0.1425	-564.575	1
5033_5034	5033	5034	-13.482	16.6725	-0.003	0.012	0.195	-229.604	1
5034_5034	5034	5034	-99.969	-39.063	0.012	0.0105	0.2565	-503.714	1
5034_5035	5034	5035	-34.674	23.1315	-0.0045	0.012	0.0975	-329.753	1
5035_5035	5035	5035	-89.9025	-45.171	0.024	-0.0315	0.5145	-428.811	1
5035_5036	5035	5036	-61.3305	35.001	-0.009	-0.0255	-0.0915	-526.646	1
5036_5036	5036	5036	-18.087	-4.1085	0.0015	0.0105	-0.297	-188.586	1
5036_5037	5036	5037	-77.358	-27.345	-0.009	0.084	-0.717	-657.231	1
5037_5037	5037	5037	-21.144	-1.0875	-0.003	-0.06	0.264	-437.592	1
5037_5038	5037	5038	-39.435	-8.898	-0.0075	-0.093	0.285	-557.801	1
5038_5038	5038	5038	-45.2175	-4.236	0.0075	0.072	0.267	-623.322	1
5038_5039	5038	5039	-42.195	-7.3545	0.0105	0.063	0.4065	-477.18	1
5039_5039	5039	5039	-76.7685	-13.8495	0.003	-0.075	0.417	-781.775	1
5039_5040	5039	5040	-41.181	-6.9435	0.006	-0.045	0.4845	-412.563	1
5040_5040	5040	5040	-94.851	-11.547	-0.012	0.0405	0.507	-852.437	1
5040_5041	5040	5041	-38.2875	-5.6985	-0.0105	0.021	0.393	-380.427	1
5041_5041	5041	5041	-121.713	-19.2255	-0.0075	-0.0165	0.2025	-857.72	1
5041_5042	5041	5042	-35.9085	-5.535	-0.006	-0.006	0.0945	-297.795	1
5042_5042	5042	5042	-130.307	-15.942	0.003	-0.0015	0.1125	-914.939	1
5042_5043	5042	5043	-30.1845	-4.8255	0.0015	0	0.1185	-263.141	1
5043_5043	5043	5043	-143.348	-25.866	0.003	0	0.147	-993.593	1
5043_5044	5043	5044	-24.4605	-4.8255	0.0015	0	0.141	-228.482	1
5044_5044	5044	5044	-146.174	-20.4525	-0.0015	-0.006	0.1875	-1007.4	1
5044_5045	5044	5045	-19.083	-4.5315	-0.0015	-0.0015	0.1275	-195.918	1
5045_5045	5045	5045	-157.416	-14.5905	0	0.003	0.171	-1063.33	1
5045_5046	5045	5046	-24.0705	4.6035	-0.0015	0.0015	0.0885	-173.343	1
5046_5046	5046	5046	-154.322	-8.4585	0	0.066	0.171	-1041.86	1
5046_5047	5046	5047	-29.607	4.665	0	0.015	0.09	-206.867	1
5047_5047	5047	5047	-157.713	-35.889	-0.003	-0.0765	0.162	-1065.03	1
5047_5048	5047	5048	-35.1375	4.665	0	-0.0135	0.084	-240.356	1
5048_5048	5048	5048	-149.529	-13.599	-0.003	0.063	0.126	-1009.8	1
5048_5049	5048	5049	-40.884	4.8435	0	0.0195	0.075	-275.153	1
5049_5049	5049	5049	-147.386	-24.7935	-0.0045	-0.075	0.093	-995.477	1
5049_5050	5049	5050	-46.344	4.8615	-0.0015	-0.021	0.0555	-310.052	1
5050_5050	5050	5050	-134.712	-19.2315	0.003	0.0285	0.03	-915.584	1
5050_5051	5050	5051	-54.621	5.298	-0.0015	0.015	0.0345	-360.167	1
5051_5051	5051	5051	-119.243	-33.2625	0.0015	-0.0945	0.081	-889.914	1
5051_5052	5051	5052	-54.4335	5.2545	-0.0015	-0.0405	0.0225	-402.989	1
5052_5052	5052	5052	-105.255	-27.4245	0.0015	0.063	0.087	-815.333	1
5052_5053	5052	5053	-55.275	5.9835	0.0015	0.0465	0.0375	-455.345	1
5053_5053	5053	5053	-76.0395	-37.482	0	-0.144	0.105	-799.091	1
5053_5054	5053	5054	-46.317	6.2745	0	-0.0885	0.0435	-554.693	1
5054_5054	5054	5054	-45.735	-41.7885	0	0.0315	0.1035	-635.504	1
5054_5055	5054	5055	-70.773	27.954	0.0015	0.099	-0.183	-635.94	1
5055_5055	5055	5055	-20.3835	-51.435	-0.0015	-0.078	0.0645	-449.792	1
5055_5056	5055	5056	-79.728	38.7495	0.006	-0.069	-0.132	-941.466	1
5056_5056	5056	5056	-83.5635	-0.1935	-0.012	0.0015	0.318	-334.907	1
5056_5057	5056	5057	-26.358	-22.9035	0.0045	-0.003	0.0165	-315.75	1
5057_5057	5057	5057	-95.3415	-6.3825	-0.0105	0.042	0.171	-466.917	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5057_5058	5057	5058	-5.8305	-13.8435	0.0045	0.0195	0.09	-224.021	1
5058_5058	5058	5058	-103.481	-12.531	-0.006	-0.084	0.081	-559.121	1
5058_5059	5058	5059	11.37	-2.2785	0.009	-0.0195	-0.045	-197.378	1
5059_5059	5059	5059	-108.06	-12.06	-0.0105	0.162	0.0315	-626.22	1
5059_5060	5059	5060	12.2835	-1.3215	0.0165	0.069	0.087	-190.44	1
5060_5060	5060	5060	-114.029	-18.6975	-0.003	-0.111	-0.0525	-701.937	1
5060_5061	5060	5061	13.1955	-1.3215	0.006	-0.018	0.138	-183.513	1
5061_5061	5061	5061	-116.184	-26.04	-0.003	-0.096	-0.078	-745.152	1
5061_5062	5061	5062	13.3065	-1.293	0.006	-0.0165	0.189	-176.63	1
5062_5062	5062	5062	-114.929	-21.921	-0.003	0.0795	-0.099	-755.52	1
5062_5063	5062	5063	13.5105	-0.396	0.0075	0.0375	0.2355	-175.079	1
5063_5063	5063	5063	-115.707	-12.306	0	0.126	-0.093	-786.168	1
5063_5064	5063	5064	13.7145	-0.396	0.009	0.0405	0.2865	-173.526	1
5064_5064	5064	5064	-117.747	-18.348	0.0015	-0.1275	-0.0945	-797.91	1
5064_5065	5064	5065	13.92	-0.396	0.0015	-0.0165	0.2925	-171.971	1
5065_5065	5065	5065	-115.646	-39.3135	0.0015	-0.1215	-0.099	-784.682	1
5065_5066	5065	5066	14.124	-0.396	0.0015	-0.0165	0.2985	-170.414	1
5066_5066	5066	5066	-114.11	-17.61	0.003	0.0465	-0.057	-753.585	1
5066_5067	5066	5067	14.7885	0.192	0.003	0.0255	0.3285	-171.413	1
5067_5067	5067	5067	-115.029	-25.5165	0.003	0.051	-0.027	-742.238	1
5067_5068	5067	5068	13.641	0.75	-0.0075	0.003	-0.075	-172.68	1
5068_5068	5068	5068	-112.563	-32.8395	0.006	-0.1125	0.009	-698.405	1
5068_5069	5068	5069	13.1235	0.75	-0.012	-0.0405	-0.1725	-176.613	1
5069_5069	5069	5069	-106.349	-32.154	0.0045	0.0915	0.078	-622.661	1
5069_5070	5069	5070	-5.538	14.0745	0	0.057	0.162	-229.236	1
5070_5070	5070	5070	-101.631	-38.901	0.0105	-0.03	0.1335	-556.325	1
5070_5071	5070	5071	-26.8815	23.022	-0.003	0	0.0675	-322.653	1
5071_5071	5071	5071	-93.1605	-45.057	0.015	-0.063	0.276	-465.122	1
5071_5072	5071	5072	-51.873	34.5765	-0.006	-0.0255	-0.048	-496.8	1
5072_5072	5072	5072	-17.2305	-0.264	-0.003	0.0465	0.255	-200.138	1
5072_5073	5072	5073	-40.2555	-7.395	-0.003	0.1215	0.2295	-648.93	1
5073_5073	5073	5073	-23.49	-1.0635	-0.0045	-0.0585	0.204	-454.269	1
5073_5074	5073	5074	-45.393	-7.041	-0.0045	-0.087	0.195	-569.022	1
5074_5074	5074	5074	-47.277	-4.3185	0	0.1215	0.1815	-645.608	1
5074_5075	5074	5075	-49.581	-5.988	-0.0015	0.1035	0.1785	-498.348	1
5075_5075	5075	5075	-86.8275	-14.109	-0.0045	-0.0945	0.1395	-766.685	1
5075_5076	5075	5076	-54.5235	-5.754	-0.0015	-0.057	0.111	-416.997	1
5076_5076	5076	5076	-106.652	-11.5185	0.003	0.0705	0.102	-838.103	1
5076_5077	5076	5077	-52.173	-4.9395	0.0015	0.0375	0.1245	-389.301	1
5077_5077	5077	5077	-111.645	-18.597	0.0015	-0.075	0.189	-935.792	1
5077_5078	5077	5078	-42.1815	-4.9995	0.0015	-0.03	0.2055	-350.621	1
5078_5078	5078	5078	-121.263	-16.239	0.003	0.138	0.2085	-1009.24	1
5078_5079	5078	5079	-37.6935	-4.6185	0	0.0495	0.201	-318.09	1
5079_5079	5079	5079	-136.322	-8.772	0	-0.1785	0.2445	-1107.99	1
5079_5080	5079	5080	-33.207	-4.6185	-0.0015	-0.051	0.177	-285.56	1
5080_5080	5080	5080	-140.595	-2.598	0	0.1815	0.2535	-1134.84	1
5080_5081	5080	5081	-28.9425	-4.3875	0	0.0405	0.1755	-254.655	1
5081_5081	5081	5081	-150.599	-13.0335	-0.0045	-0.1875	0.249	-1204.35	1
5081_5082	5081	5082	-24.6795	-4.3875	-0.0015	-0.0405	0.1575	-223.751	1
5082_5082	5082	5082	-149.922	-6.303	0.0015	0.0015	0.1965	-1197.83	1
5082_5083	5082	5083	-21.3795	4.128	0	0.0015	0.1365	-192.312	1
5083_5083	5083	5083	-155.352	-17.5065	0.0015	-0.0045	0.204	-1237.12	1
5083_5084	5083	5084	-25.6905	4.128	0	0	0.1365	-223.563	1
5084_5084	5084	5084	-149.27	-28.8285	0	0.1485	0.219	-1193.07	1
5084_5085	5084	5085	-29.7855	4.215	0.0015	0.039	0.153	-253.253	1
5085_5085	5085	5085	-149.711	-38.8275	-0.0045	-0.1995	0.216	-1196.24	1
5085_5086	5085	5086	-33.5205	4.2255	0	-0.042	0.1545	-282.986	1
5086_5086	5086	5086	-139.442	-32.9445	-0.0045	0.1395	0.1695	-1123.12	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5086_5087	5086	5087	-37.8345	4.4415	-0.003	0.051	0.123	-314.262	1
5087_5087	5087	5087	-135.117	-42.984	-0.009	-0.183	0.1185	-1094.15	1
5087_5088	5087	5088	-42.153	4.4415	-0.0045	-0.0525	0.075	-345.564	1
5088_5088	5088	5088	-121.52	-20.637	0.006	0.0645	0.0285	-1000.75	1
5088_5089	5088	5089	-47.853	4.794	0.003	0.03	0.1095	-386.891	1
5089_5089	5089	5089	-110.159	-32.9025	0.0015	-0.1485	0.0885	-976.722	1
5089_5090	5089	5090	-48.849	4.767	0.0015	-0.0645	0.1095	-433.164	1
5090_5090	5090	5090	-96.5115	-27.0615	0.003	0.1305	0.105	-892.146	1
5090_5091	5090	5091	-48.9675	5.511	0.0015	0.0915	0.123	-483.818	1
5091_5091	5091	5091	-75.021	-37.2735	-0.0015	-0.15	0.123	-824.634	1
5091_5092	5091	5092	-43.9575	5.73	-0.0015	-0.0915	0.1365	-556.061	1
5092_5092	5092	5092	-43.9545	-41.4045	0.003	0.012	0.1065	-647.543	1
5092_5093	5092	5093	-38.7015	6.6255	0.0015	0.036	0.1545	-630.798	1
5093_5093	5093	5093	-18.657	-51.3105	0	-0.045	0.1215	-453.168	1
5093_5094	5093	5094	-71.214	34.362	0.0045	-0.027	-0.1545	-885.51	1
5094_5094	5094	5094	-80.6115	-0.096	-0.0135	0.0315	0.3405	-334.619	1
5094_5095	5094	5095	-25.1625	-22.3305	0	0.0255	0.0555	-316.28	1
5095_5095	5095	5095	-89.3115	-6.372	-0.012	0.0165	0.222	-477.365	1
5095_5096	5095	5096	-4.0725	-13.587	0	0.0045	0.135	-230.984	1
5096_5096	5096	5096	-96.6735	-12.6645	-0.003	-0.1095	0.1245	-572.36	1
5096_5097	5096	5097	14.9985	-1.659	0.0045	-0.03	-0.0945	-191.966	1
5097_5097	5097	5097	-100.607	-11.955	-0.0045	0.0315	0.0915	-640.547	1
5097_5098	5097	5098	15.5415	-0.8385	0.009	0.024	-0.027	-187.409	1
5098_5098	5098	5098	-106.01	-18.7065	-0.0045	0.042	0.048	-719.139	1
5098_5099	5098	5099	14.58	-0.7815	0.0075	0.024	0.042	-182.961	1
5099_5099	5099	5099	-107.826	-26.2035	0	-0.1275	0.015	-763.545	1
5099_5100	5099	5100	15.0825	-0.7815	0	-0.0195	0.045	-178.719	1
5100_5100	5100	5100	-106.41	-21.636	0.0015	-0.192	0.012	-772.929	1
5100_5101	5100	5101	15.105	-0.048	-0.0015	-0.048	0.0375	-178.526	1
5101_5101	5101	5101	-107.198	-12.279	0.0075	-0.507	0.021	-805.733	1
5101_5102	5101	5102	15.1275	-0.048	-0.012	-0.1065	-0.036	-178.331	1
5102_5102	5102	5102	-109.224	-18.435	-0.006	0.543	0.0735	-818.729	1
5102_5103	5102	5103	15.15	-0.048	0.0315	0.1275	0.15	-178.137	1
5103_5103	5103	5103	-108.501	-24.4065	-0.0015	0.2205	0.048	-805.463	1
5103_5104	5103	5104	15.174	-0.048	0.021	0.0705	0.273	-177.944	1
5104_5104	5104	5104	-106.01	-17.2725	0	0.114	0.048	-773.268	1
5104_5105	5104	5105	13.8555	0.906	-0.0015	0.021	-0.111	-180.755	1
5105_5105	5105	5105	-107.274	-25.371	0.003	-0.054	0.06	-763.833	1
5105_5106	5105	5106	13.275	0.906	-0.009	-0.0225	-0.1845	-185.667	1
5106_5106	5106	5106	-105.306	-32.8665	0.0045	-0.0465	0.1035	-719.399	1
5106_5107	5106	5107	12.693	0.906	-0.009	-0.024	-0.261	-190.586	1
5107_5107	5107	5107	-99.741	-31.9395	0.006	0.021	0.1605	-640.68	1
5107_5108	5107	5108	-3.36	13.542	0.0015	0.027	0.183	-232.164	1
5108_5108	5108	5108	-95.6715	-38.8995	0.006	0.0315	0.2295	-572.369	1
5108_5109	5108	5109	-23.205	22.338	0	0.027	0.0855	-323.985	1
5109_5109	5109	5109	-90.573	-45.084	0.012	-0.0495	0.2775	-465.438	1
5109_5110	5109	5110	-48.6915	33.6075	-0.003	-0.0315	-0.0345	-486.002	1
5110_5110	5110	5110	-14.8695	-1.4175	-0.0015	0.045	0.189	-242.867	1
5110_5111	5110	5111	-39.006	-7.383	-0.0015	0.1155	0.2535	-647.439	1
5111_5111	5111	5111	-23.4525	-1.314	-0.0045	-0.057	0.207	-460.404	1
5111_5112	5111	5112	-44.1975	-6.9645	-0.003	-0.0825	0.2325	-567.774	1
5112_5112	5112	5112	-46.431	-4.476	0.006	0.0705	0.162	-650.607	1
5112_5113	5112	5113	-47.874	-6.0825	0.003	0.063	0.2685	-496.715	1
5113_5113	5113	5113	-77.3985	-14.73	0.0015	-0.0975	0.2055	-809.933	1
5113_5114	5113	5114	-48.4665	-5.892	0.0015	-0.06	0.2355	-436.173	1
5114_5114	5114	5114	-93.942	-12.1695	-0.0105	0.0285	0.255	-877.655	1
5114_5115	5114	5115	-45.9225	-5.2635	-0.006	0.0165	0.1815	-405.524	1
5115_5115	5115	5115	-118.235	-19.134	-0.009	-0.009	0.1455	-858.827	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5115_5116	5115	5116	-44.535	-5.235	-0.006	-0.0045	0.078	-320.312	1
5116_5116	5116	5116	-125.303	-16.0995	0.0075	0.045	0.0015	-908.442	1
5116_5117	5116	5117	-39.4995	-4.803	0.003	0.0165	0.105	-288.062	1
5117_5117	5117	5117	-136.95	-25.773	0.0075	-0.0555	0.0885	-983.252	1
5117_5118	5117	5118	-34.4625	-4.803	0.0015	-0.0165	0.126	-255.813	1
5118_5118	5118	5118	-139.491	-19.8465	-0.006	0.045	0.171	-997.496	1
5118_5119	5118	5119	-29.6115	-4.626	-0.0015	0.0105	0.1035	-224.751	1
5119_5119	5119	5119	-148.694	-29.8065	-0.0075	-0.063	0.1095	-1053.95	1
5119_5120	5119	5120	-24.7605	-4.626	-0.003	-0.015	0.0735	-193.691	1
5120_5120	5120	5120	-147.141	-23.256	0.0045	0.1365	0.027	-1041.64	1
5120_5121	5120	5121	-19.65	-4.5345	0	0.024	0.078	-160.959	1
5121_5121	5121	5121	-153.086	-34.1835	0	-0.171	0.078	-1078.13	1
5121_5122	5121	5122	-15.1935	2.9865	-0.0015	-0.0195	0.027	-143.604	1
5122_5122	5122	5122	-145.475	-28.3005	-0.0015	0.0435	0.0765	-1029.26	1
5122_5123	5122	5123	-18.4215	3.078	0.0015	0.009	0.0375	-164.273	1
5123_5123	5123	5123	-145.19	-38.6085	-0.003	-0.0615	0.0525	-1028.74	1
5123_5124	5123	5124	-21.408	3.084	0	-0.0105	0.0405	-184.958	1
5124_5124	5124	5124	-133.019	-32.4675	0	0.0795	0.018	-953.469	1
5124_5125	5124	5125	-24.819	3.312	0	0.0225	0.033	-207.182	1
5125_5125	5125	5125	-127.673	-42.8205	-0.003	-0.108	0.0225	-922.995	1
5125_5126	5125	5126	-28.293	3.312	-0.0015	-0.024	0.009	-229.424	1
5126_5126	5126	5126	-111.653	-21.033	0	0.0375	-0.021	-830.507	1
5126_5127	5126	5127	-32.9235	3.7515	0	0.015	0.015	-260.127	1
5127_5127	5127	5127	-105.641	-33.408	-0.003	-0.0555	-0.0345	-779.91	1
5127_5128	5127	5128	-36.1485	3.7395	0	-0.0195	0.009	-284.091	1
5128_5128	5128	5128	-90.7485	-27.0915	0.0015	0.048	-0.045	-702.945	1
5128_5129	5128	5129	-36.951	4.62	0	0.03	0.009	-323.57	1
5129_5129	5129	5129	-62.5725	-37.5045	-0.0045	-0.117	-0.072	-687.573	1
5129_5130	5129	5130	-63.6615	23.1615	0.0045	-0.036	-0.0165	-469.653	1
5130_5130	5130	5130	-33.7365	-40.296	0.0165	0.0165	-0.1485	-523.998	1
5130_5131	5130	5131	-73.53	27.5775	-0.0015	0.045	-0.021	-692.565	1
5131_5131	5131	5131	-11.2665	-50.2935	0.015	-0.0225	0.036	-354.095	1
5131_5132	5131	5132	-82.8405	37.458	-0.0015	-0.042	-0.0705	-990.71	1
5132_5132	5132	5132	-78.4335	0.5745	0.012	-0.1425	0.021	-271.815	1
5132_5133	5132	5133	-29.805	-24.258	-0.0015	-0.0855	-0.051	-304.142	1
5133_5133	5133	5133	-91.233	-5.823	0.015	-0.2025	0.108	-391.896	1
5133_5134	5133	5134	11.016	-2.754	-0.03	-0.108	-0.3255	-204.779	1
5134_5134	5134	5134	-99.612	-12.2595	-0.0285	0.4695	0.1965	-477.195	1
5134_5135	5134	5135	11.8755	-2.676	0.03	0.2025	-0.0915	-191.559	1
5135_5135	5135	5135	-104.244	-10.6605	0.0045	0.03	-0.0465	-538.739	1
5135_5136	5135	5136	13.3485	-1.9995	0.0015	0.015	-0.075	-181.497	1
5136_5136	5136	5136	-111.206	-17.5785	0.009	-0.0525	-0.0105	-614.576	1
5136_5137	5136	5137	14.826	-1.9995	-0.003	-0.012	-0.1035	-171.413	1
5137_5137	5137	5137	-113.685	-25.26	0.0045	0.042	0.054	-657.128	1
5137_5138	5137	5138	14.817	-1.938	0.003	0.0135	-0.084	-161.546	1
5138_5138	5138	5138	-112.074	-20.445	-0.0045	0.057	0.09	-665.999	1
5138_5139	5138	5139	15.4935	-1.2195	0.006	0.018	-0.0465	-156.924	1
5139_5139	5139	5139	-112.641	-12.33	-0.0015	-0.0675	0.0495	-701.703	1
5139_5140	5139	5140	16.17	-1.2195	-0.0015	-0.012	-0.0525	-152.31	1
5140_5140	5140	5140	-114.761	-18.6885	-0.003	0.0735	0.0405	-715.292	1
5140_5141	5140	5141	17.1885	-1.2165	0.006	0.018	-0.015	-147.696	1
5141_5141	5141	5141	-113.501	-24.849	0	-0.0675	0.0255	-703.479	1
5141_5142	5141	5142	17.8635	-1.2165	-0.0015	-0.012	-0.0225	-143.094	1
5142_5142	5142	5142	-110.034	-17.3625	0	0.003	0.021	-673.43	1
5142_5143	5142	5143	4.3455	2.5485	0.003	0	-0.033	-145.64	1
5143_5143	5143	5143	-110.93	-25.6575	0	0.003	0.03	-666.717	1
5143_5144	5143	5144	2.82	2.559	0.003	0	-0.0135	-158.502	1
5144_5144	5144	5144	-107.744	-33.3495	0	0.003	0.0345	-626.162	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5144_5145	5144	5145	0.9285	2.559	0.003	0	0.006	-171.408	1
5145_5145	5145	5145	-100.103	-32.487	-0.0015	-0.012	0.0375	-552.167	1
5145_5146	5145	5146	-10.35	15.084	0.003	-0.015	0.009	-208.821	1
5146_5146	5146	5146	-94.176	-39.5835	-0.0015	-0.015	0.021	-488.037	1
5146_5147	5146	5147	-30.873	23.6925	0.003	-0.0165	0.0225	-301.626	1
5147_5147	5147	5147	-83.103	-46.1445	-0.006	0.054	0.0075	-405.183	1
5147_5148	5147	5148	-55.77	32.883	0.0045	0.039	0.0555	-488.165	1
5148_5148	5148	5148	-11.1855	-1.95	0	0.018	0.063	-213.11	1
5148_5149	5148	5149	-84.186	-24.342	0	0.042	-0.0465	-617.585	1
5149_5149	5149	5149	-15.384	-1.6875	0	-0.027	-0.0135	-404.333	1
5149_5150	5149	5150	-32.868	-8.2245	-0.003	-0.036	0.051	-494.399	1
5150_5150	5150	5150	-36.6165	-4.9755	0	0.0135	0.003	-577.091	1
5150_5151	5150	5151	-34.947	-7.053	0.0015	0.015	0.0645	-418.665	1
5151_5151	5151	5151	-72.822	-14.778	0	-0.006	0	-673.175	1
5151_5152	5151	5152	-38.5785	-6.4335	0	-0.003	0.06	-334.158	1
5152_5152	5152	5152	-88.26	-12.2685	0	0.0015	-0.0015	-722.384	1
5152_5153	5152	5153	-35.1705	-5.6235	0	0.0015	0.057	-304.167	1
5153_5153	5153	5153	-107.091	-19.0245	0	0.0015	0.0015	-748.773	1
5153_5154	5153	5154	-30.4035	-5.511	0	0	0.045	-245.543	1
5154_5154	5154	5154	-111.986	-16.503	0	0.0015	0.0075	-785.546	1
5154_5155	5154	5155	-24.5475	-5.148	0	0	0.0435	-212.343	1
5155_5155	5155	5155	-122.205	-26.238	0	0.0015	0.0105	-847.218	1
5155_5156	5155	5156	-18.6915	-5.148	0	0	0.042	-179.144	1
5156_5156	5156	5156	-122.682	-21.5745	0.0015	0.0015	0.0135	-850.995	1
5156_5157	5156	5157	-13.5075	-5.007	0	0	0.0435	-149.757	1
5157_5157	5157	5157	-128.685	-30.8145	0.0015	0.003	0.0255	-885.239	1
5157_5158	5157	5158	-8.742	-5.001	0	0	0.0435	-120.432	1
5158_5158	5158	5158	-125.126	-25.344	-0.003	-0.024	0.0405	-864.806	1
5158_5159	5158	5159	-10.401	4.3815	0	-0.0045	0.033	-133.326	1
5159_5159	5159	5159	-127.991	-19.734	0	0.03	0.0195	-882.282	1
5159_5160	5159	5160	-14.9385	4.3815	0.0015	0.0045	0.0405	-159.045	1
5160_5160	5160	5160	-121.685	-13.632	-0.0015	0.0015	0.0285	-846.827	1
5160_5161	5160	5161	-20.1345	4.5675	0	0	0.0345	-188.505	1
5161_5161	5161	5161	-120.845	-24.3045	-0.0015	0.0015	0.018	-841.58	1
5161_5162	5161	5162	-25.332	4.5675	0	0	0.03	-217.965	1
5162_5162	5162	5162	-110.31	-19.212	0.0045	0.0135	0	-778.703	1
5162_5163	5162	5163	-32.1045	5.058	0.003	0.0045	0.0735	-258.639	1
5163_5163	5163	5163	-99.5415	-31.7535	0.003	-0.0285	0.0735	-762.422	1
5163_5164	5163	5164	-33.519	5.157	0.003	-0.0105	0.1005	-294.404	1
5164_5164	5164	5164	-87.027	-26.253	-0.0045	-0.027	0.1065	-699.441	1
5164_5165	5164	5165	-35.817	6.1965	-0.003	-0.0165	0.063	-344.807	1
5165_5165	5165	5165	-63.6405	-36.2235	-0.0015	0.0435	0.072	-676.704	1
5165_5166	5165	5166	-30.96	6.855	-0.0015	0.0225	0.042	-431.826	1
5166_5166	5166	5166	-34.2165	-40.719	0.0015	0.0105	0.033	-531.306	1
5166_5167	5166	5167	-89.178	26.5275	-0.0015	0.033	-0.072	-633.011	1
5167_5167	5167	5167	-9.924	-50.3925	0	-0.0225	0.033	-363.192	1
5167_5168	5167	5168	-98.442	35.5605	0.0015	-0.03	-0.063	-917.069	1
5168_5168	5168	5168	-73.8825	1.2255	-0.0015	0.015	0.051	-265.787	1
5168_5169	5168	5169	-32.7105	-24.8595	0	0.0225	0.024	-309.666	1
5169_5169	5169	5169	-89.115	-4.8975	0.0015	-0.033	0.0225	-385.544	1
5169_5170	5169	5170	-12.9	-15.744	-0.0015	-0.021	0.018	-202.217	1
5170_5170	5170	5170	-99.801	-11.0385	-0.0015	0.03	0.027	-472.181	1
5170_5171	5170	5171	-0.687	-3.3765	0.003	0.009	-0.03	-172.386	1
5171_5171	5171	5171	-106.676	-10.626	0.0015	-0.0435	0.021	-536.595	1
5171_5172	5171	5172	1.2405	-2.454	-0.0015	-0.0135	-0.042	-160.436	1
5172_5172	5172	5172	-115.173	-17.3235	0	0.027	0.0225	-609.579	1
5172_5173	5172	5173	2.7975	-2.448	0.0015	0.009	-0.0315	-148.518	1
5173_5173	5173	5173	-119.196	-24.765	0	0.024	0.015	-652.245	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5173_5174	5173	5174	4.7145	-2.448	0.0015	0.009	-0.0225	-136.608	1
5174_5174	5174	5174	-119.088	-20.6865	0	-0.051	0.0105	-664.055	1
5174_5175	5174	5175	5.697	-1.6695	-0.0015	-0.0105	-0.03	-130.511	1
5175_5175	5175	5175	-122.561	-12.039	0	0.063	0.003	-694.175	1
5175_5176	5175	5176	6.6765	-1.6695	0.0015	0.0135	-0.0165	-124.419	1
5176_5176	5176	5176	-124.298	-32.241	0	-0.06	0.0045	-706.625	1
5176_5177	5176	5177	13.779	1.4085	-0.003	-0.0135	0.039	-129.405	1
5177_5177	5177	5177	-122.246	-38.4315	0	0.063	0.0075	-695.456	1
5177_5178	5177	5178	12.5595	1.41	0.0015	0.009	0.0465	-134.549	1
5178_5178	5178	5178	-121.397	-17.748	0	0.024	0	-665.252	1
5178_5179	5178	5179	11.1615	2.286	0	0.0045	0.0405	-145.664	1
5179_5179	5179	5179	-122.295	-25.77	0	0.0255	-0.0045	-654.162	1
5179_5180	5179	5180	9.3705	2.286	0	0.0045	0.0345	-156.789	1
5180_5180	5180	5180	-119.055	-33.1965	0.0015	-0.0525	-0.0075	-612.377	1
5180_5181	5180	5181	7.5795	2.286	-0.0045	-0.0165	0.0015	-167.915	1
5181_5181	5181	5181	-111.312	-32.7915	0	0.027	0.0045	-540.264	1
5181_5182	5181	5182	-15.717	15.7905	0.0015	0.006	0.006	-199.128	1
5182_5182	5182	5182	-105.068	-39.5565	0.0015	-0.033	0.0045	-476.154	1
5182_5183	5182	5183	-36.21	24.8535	-0.0015	-0.021	-0.003	-296.267	1
5183_5183	5183	5183	-94.893	-45.75	-0.0015	0.0225	0.0225	-390.627	1
5183_5184	5183	5184	-63.639	34.2195	0	0.0225	-0.0075	-479.501	1
5184_5184	5184	5184	-20.4105	-3.6165	0	-0.0105	0.0435	-172.727	1
5184_5185	5184	5185	-83.5305	-27.8955	0	-0.039	0.0375	-630.72	1
5185_5185	5185	5185	-18.375	-0.3345	0.0015	0.021	-0.009	-349.109	1
5185_5186	5185	5186	-36.426	-6.6675	0	0.0285	0.0105	-410.388	1
5186_5186	5186	5186	-42.9585	-3.726	0.0015	-0.012	0.003	-525.74	1
5186_5187	5186	5187	-38.5575	-5.664	0.0015	-0.0075	0.027	-349.647	1
5187_5187	5187	5187	-79.7685	-13.164	0.0015	0.0165	0.024	-653.21	1
5187_5188	5187	5188	-39.7365	-5.328	0.0015	0.009	0.0375	-289.718	1
5188_5188	5188	5188	-99.6255	-11.553	0	0.0045	0.0495	-722.168	1
5188_5189	5188	5189	-36.8715	-4.608	0	0.003	0.0405	-265.452	1
5189_5189	5189	5189	-116.192	-18.2895	0	0.003	0.051	-805.475	1
5189_5190	5189	5190	-31.11	-4.6335	0	0.0015	0.042	-230.436	1
5190_5190	5190	5190	-125.246	-16.7235	0.0015	0.0045	0.0675	-865.611	1
5190_5191	5190	5191	-26.5245	-4.2315	0	0.0015	0.048	-202.205	1
5191_5191	5191	5191	-137.327	-26.1495	0.0015	0.0045	0.093	-939.234	1
5191_5192	5191	5192	-21.831	-4.2285	0	0.0015	0.054	-173.99	1
5192_5192	5192	5192	-140.048	-22.275	0	0.006	0.117	-955.038	1
5192_5193	5192	5193	-17.6805	-4.0515	0	0.0015	0.06	-149.378	1
5193_5193	5193	5193	-147.39	-15.1995	0	0.006	0.1335	-995.715	1
5193_5194	5193	5194	-18.1575	4.461	0.0015	0.003	0.135	-143.169	1
5194_5194	5194	5194	-145.032	-10.053	0.0015	0.006	0.144	-981.672	1
5194_5195	5194	5195	-22.884	4.611	0.0015	0.003	0.156	-171.21	1
5195_5195	5195	5195	-148.05	-19.4505	0.003	0.0045	0.171	-999.779	1
5195_5196	5195	5196	-27.612	4.611	0.0015	0.003	0.1755	-199.253	1
5196_5196	5196	5196	-142.059	-14.211	0.0015	0.0045	0.201	-964.05	1
5196_5197	5196	5197	-32.607	4.95	0.0015	0.0015	0.189	-232.197	1
5197_5197	5197	5197	-140.562	-24.357	0.0015	0.003	0.2175	-954.255	1
5197_5198	5197	5198	-38.172	4.95	0.0015	0.0015	0.2055	-265.211	1
5198_5198	5198	5198	-129.971	-20.178	0.0015	0.003	0.228	-888.327	1
5198_5199	5198	5199	-46.083	5.6325	0.0015	0	0.225	-312.129	1
5199_5199	5199	5199	-119.408	-32.208	0.003	-0.0015	0.264	-820.032	1
5199_5200	5199	5200	-47.9355	5.6145	0.0015	-0.0015	0.2445	-334.017	1
5200_5200	5200	5200	-106.01	-28.2375	0	-0.006	0.273	-756.314	1
5200_5201	5200	5201	-50.4495	6.5505	0.0015	-0.006	0.255	-387.498	1
5201_5201	5201	5201	-76.1565	-37.7925	0.0015	0	0.4005	-743.612	1
5201_5202	5201	5202	-43.4145	6.9165	0.0015	-0.006	0.408	-488.141	1
5202_5202	5202	5202	-44.748	-42.465	0.0015	-0.027	0.3615	-588.441	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5202_5203	5202	5203	-82.668	29.916	-0.0015	-0.021	-0.4605	-660.929	1
5203_5203	5203	5203	-18.375	-51.384	0.003	-0.0015	0.3495	-409.557	1
5203_5204	5203	5204	-93.129	39.7755	-0.003	0.066	-0.507	-970.319	1
5204_5204	5204	5204	-87.612	-0.4665	-0.009	-0.021	0.651	-324.809	1
5204_5205	5204	5205	-32.88	-25.1235	-0.0015	-0.018	0.1125	-340.173	1
5205_5205	5205	5205	-101.037	-6.201	-0.0105	0.0345	0.4365	-451.166	1
5205_5206	5205	5206	-14.5665	-18.177	-0.0015	0.024	0.1845	-231.317	1
5206_5206	5206	5206	-110.297	-11.8665	-0.0075	-0.039	0.3165	-536.33	1
5206_5207	5206	5207	6.2625	-2.415	0.0105	-0.003	-0.4155	-185.57	1
5207_5207	5207	5207	-116.331	-11.8785	-0.006	-0.003	0.228	-601.673	1
5207_5208	5207	5208	7.4085	-1.5165	0.0105	0.0135	-0.327	-178.011	1
5208_5208	5208	5208	-123.612	-18.141	-0.0045	-0.0015	0.1605	-673.77	1
5208_5209	5208	5209	8.553	-1.5165	0.0105	0.0135	-0.2385	-170.453	1
5209_5209	5209	5209	-127.082	-25.077	-0.0045	-0.0015	0.1035	-718.125	1
5209_5210	5209	5210	9.6975	-1.5165	0.0105	0.0135	-0.15	-162.896	1
5210_5210	5210	5210	-127.127	-22.2225	-0.0015	-0.06	0.0585	-734.625	1
5210_5211	5210	5211	10.0815	-0.6765	0.006	-0.0015	-0.1155	-160.367	1
5211_5211	5211	5211	-129.054	-11.757	-0.0015	0.0705	-0.0105	-766.587	1
5211_5212	5211	5212	10.464	-0.6765	0.012	0.027	-0.048	-157.839	1
5212_5212	5212	5212	-131.52	-17.601	0.0015	-0.0705	-0.0225	-779.346	1
5212_5213	5212	5213	12.5655	-0.6315	0.006	0	-0.018	-155.381	1
5213_5213	5213	5213	-130.86	-23.28	0	0.0705	-0.0165	-769.161	1
5213_5214	5213	5214	12.9225	-0.6315	0.012	0.027	0.0525	-153.023	1
5214_5214	5214	5214	-128.19	-18.249	0.0015	0.039	-0.012	-742.712	1
5214_5215	5214	5215	14.559	-0.003	0.006	0.0225	0.1005	-152.622	1
5215_5215	5215	5215	-128.519	-25.7505	0.003	-0.051	-0.0045	-729.246	1
5215_5216	5215	5216	17.604	0.3015	0.0015	0.0015	0.108	-152.969	1
5216_5216	5216	5216	-125.405	-32.6835	0.0015	0.0435	0.024	-687.96	1
5216_5217	5216	5217	6.516	10.1925	0.003	0.0195	0.0675	-172.931	1
5217_5217	5217	5217	-118.419	-32.8365	0	0.1215	0.0435	-618.704	1
5217_5218	5217	5218	-14.3595	17.5035	0.0195	0.108	0.177	-237.179	1
5218_5218	5218	5218	-112.535	-39.0795	0.0045	0.069	0.057	-555.309	1
5218_5219	5218	5219	-34.863	25.014	0.0165	0.0765	0.2505	-335.477	1
5219_5219	5219	5219	-103.17	-44.7915	0.027	-0.2535	0.1275	-460.475	1
5219_5220	5219	5220	-62.8875	35.331	0.006	-0.1575	0.2535	-508.755	1
5220_5220	5220	5220	-5.076	5.7975	-0.003	0.0795	0.132	-207.695	1
5220_5221	5220	5221	-47.76	-8.6475	-0.0075	0.1815	0.2085	-632.088	1
5221_5221	5221	5221	-27.141	-0.936	-0.0075	-0.0705	0.087	-445.554	1
5221_5222	5221	5222	-52.3665	-8.2485	-0.0105	-0.1125	0.105	-543.755	1
5222_5222	5222	5222	-53.763	-4.44	0.009	0.1665	-0.0405	-627.656	1
5222_5223	5222	5223	-54.5625	-7.3665	0.0045	0.141	0.147	-464.607	1
5223_5223	5223	5223	-96.15	-13.1775	0	-0.132	0.0585	-734.549	1
5223_5224	5223	5224	-57.627	-7.089	0.0015	-0.078	0.1125	-375.216	1
5224_5224	5224	5224	-118.661	-12.4455	0.006	0.177	0.081	-809.765	1
5224_5225	5224	5225	-53.4615	-6.4455	0.0045	0.084	0.1455	-342.078	1
5225_5225	5225	5225	-126.398	-20.0505	0.003	-0.138	0.1485	-935.438	1
5225_5226	5225	5226	-41.1135	-6.564	0.003	-0.051	0.201	-300.312	1
5226_5226	5226	5226	-135.867	-19.167	0.0045	0.231	0.228	-1006.97	1
5226_5227	5226	5227	-34.2645	-6.066	0	0.072	0.21	-256.094	1
5227_5227	5227	5227	-145.982	-10.7805	0	-0.2475	0.3435	-1080.17	1
5227_5228	5227	5228	-27.339	-6.066	-0.0015	-0.0585	0.198	-211.88	1
5228_5228	5228	5228	-146.772	-7.404	0.0105	0.288	0.3765	-1085.78	1
5228_5229	5228	5229	-23.562	5.88	0.009	0.0675	0.4005	-201.068	1
5229_5229	5229	5229	-151.607	-17.787	0.0045	-0.2535	0.5265	-1116.64	1
5229_5230	5229	5230	-29.742	5.9175	0.006	-0.0345	0.468	-244.143	1
5230_5230	5230	5230	-144.72	-15.09	0.0105	0.2115	0.6195	-1071.68	1
5230_5231	5230	5231	-36.942	6.3495	0.0075	0.0795	0.5535	-291.581	1
5231_5231	5231	5231	-141.84	-25.5075	0.006	-0.18	0.771	-1050.22	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5231_5232	5231	5232	-44.3955	6.3495	0.006	-0.036	0.6195	-339.179	1
5232_5232	5232	5232	-128.825	-24.597	-0.009	0.1635	0.849	-960.725	1
5232_5233	5232	5233	-50.3145	7.17	-0.0045	0.102	0.5625	-379.575	1
5233_5233	5233	5233	-121.836	-32.1165	-0.018	0.0045	1.17	-915.596	1
5233_5234	5233	5234	-53.913	7.113	-0.009	0.018	0.822	-412.259	1
5234_5234	5234	5234	-110.871	-37.536	-0.0225	-0.168	1.0215	-857.616	1
5234_5235	5234	5235	-56.1825	7.017	-0.0105	-0.075	0.7335	-450.527	1
5235_5235	5235	5235	-92.8785	-37.7835	0.135	0.1425	0.8445	-774.498	1
5235_5236	5235	5236	-56.871	7.599	0.069	0.1215	1.11	-480.845	1
5236_5236	5236	5236	-65.829	-41.4495	0.2025	-0.0765	2.4135	-805.673	1
5236_5237	5236	5237	-46.212	8.094	0.102	-0.0285	2.5755	-587.504	1
5237_5237	5237	5237	-47.088	-47.1225	0.189	-0.3915	4.032	-696.818	1
5237_5238	5237	5238	-44.5155	8.229	0.099	-0.3105	3.2085	-633.072	1
5238_5238	5238	5238	-33.231	-35.037	-0.2325	0.1905	5.184	-594.75	1
5238_5239	5238	5239	-42.384	11.8185	-0.0945	0.249	2.262	-727.098	1
5239_5239	5239	5239	-19.0485	-42.0915	-0.231	-0.123	2.607	-511.466	1
5239_5240	5239	5240	-86.7375	28.854	0.177	-0.0885	-1.1985	-957.236	1
5240_5240	5240	5240	-110.079	-8.661	0.147	0.0465	-1.23	-527.721	1
5240_5241	5240	5241	-8.469	-16.6155	0.045	0.1395	0.4785	-345.419	1
5241_5241	5241	5241	-119.681	-18.345	0.162	-0.3525	0.456	-636.663	1
5241_5242	5241	5242	2.2005	-13.95	0.0405	-0.135	0.786	-281.813	1
5242_5242	5242	5242	-120.947	-23.469	0.165	-0.405	1.359	-664.997	1
5242_5243	5242	5243	15.7875	-10.7895	0.0615	-0.189	1.5	-229.968	1
5243_5243	5243	5243	-119.292	-10.488	-0.108	0.183	2.331	-673.518	1
5243_5244	5243	5244	11.9055	-0.564	0.0705	0.1065	-0.789	-189.623	1
5244_5244	5244	5244	-128.732	-17.5185	-0.084	-0.2145	1.167	-777.738	1
5244_5245	5244	5245	12.3705	-0.564	0.054	-0.0075	-0.2625	-185.955	1
5245_5245	5245	5245	-133.745	-20.679	-0.0315	0.2205	0.276	-841.958	1
5245_5246	5245	5246	12.417	-0.0465	0.039	0.0825	0.135	-185.597	1
5246_5246	5246	5246	-138.569	-12.0195	-0.0045	-0.234	-0.267	-904.139	1
5246_5247	5246	5247	15.1425	0.075	0.0225	-0.03	0.3495	-185.901	1
5247_5247	5247	5247	-140.439	-13.8435	-0.0255	0.2625	-0.354	-909.869	1
5247_5248	5247	5248	14.661	0.627	0.0075	0.0885	0.42	-189.716	1
5248_5248	5248	5248	-142.061	-22.1895	-0.0135	-0.2025	-0.666	-906.926	1
5248_5249	5248	5249	18.336	1.053	-0.0105	-0.0165	0.3285	-195.582	1
5249_5249	5249	5249	-138.341	-26.043	-0.0225	0.1605	-0.8355	-851.894	1
5249_5250	5249	5250	20.748	2.157	-0.036	0.0855	-0.033	-207.056	1
5250_5250	5250	5250	-134.541	-33.996	-0.0075	-0.168	-1.0905	-788.741	1
5250_5251	5250	5251	7.9125	12.744	-0.0255	-0.012	0.1065	-246.953	1
5251_5251	5251	5251	-127.272	-21.813	0.174	0.2295	-1.0845	-696.815	1
5251_5252	5251	5252	-3.6885	14.517	0.0555	0.1635	0.618	-299.612	1
5252_5252	5252	5252	-129.656	-26.9655	0.1785	0.06	-0.018	-693.033	1
5252_5253	5252	5253	-16.989	17.9535	0.0105	0.0705	0.6405	-365.63	1
5253_5253	5253	5253	-130.361	-32.1675	0.1785	-0.231	1.02	-667.092	1
5253_5254	5253	5254	-35.8065	21.2985	-0.027	-0.1035	0.12	-487.014	1
5254_5254	5254	5254	-18.012	-17.7165	0.246	0.2865	2.1885	-420.528	1
5254_5255	5254	5255	-88.926	-23.829	0.036	-1.317	1.167	-927.105	1
5255_5255	5255	5255	-18.24	-3.6885	-0.237	0.1575	2.784	-437.219	1
5255_5256	5255	5256	-49.689	-11.298	-0.1905	0.2475	0.012	-718.565	1
5256_5256	5256	5256	-35.6415	-11.8725	-0.234	-0.2505	-0.4755	-595.181	1
5256_5257	5256	5257	-52.005	-10.953	-0.1995	-0.2955	-1.7655	-635.646	1
5257_5257	5257	5257	-46.8645	-1.9665	0.0915	0.3075	-2.7465	-659.226	1
5257_5258	5257	5258	-53.61	-7.797	0.0585	0.3225	-1.4235	-592.124	1
5258_5258	5258	5258	-61.677	-5.4645	0.0855	0.096	-2.2035	-754.034	1
5258_5259	5258	5259	-54.4905	-7.7745	0.0555	0.1005	-0.993	-544.523	1
5259_5259	5259	5259	-94.188	-9.5565	0.048	-0.1335	-1.023	-767.096	1
5259_5260	5259	5260	-62.925	-7.458	0.033	-0.0825	-0.363	-450.668	1
5260_5260	5260	5260	-111.408	-9.4485	0.0375	0.231	-0.669	-834.35	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5260_5261	5260	5261	-60.8655	-7.0725	0.0225	0.132	-0.234	-421.646	1
5261_5261	5261	5261	-125.061	-13.542	0.0345	0	-0.4425	-897.051	1
5261_5262	5261	5262	-57.1185	-7.251	0.021	0.009	-0.099	-391.908	1
5262_5262	5262	5262	-140.376	-18.237	0.0255	-0.075	-0.1485	-892.791	1
5262_5263	5262	5263	-50.4015	-7.305	0.015	-0.027	0.102	-316.122	1
5263_5263	5263	5263	-149.879	-18.024	0.0075	0.135	0.219	-955.992	1
5263_5264	5263	5264	-42.606	-6.7545	0.0045	0.054	0.153	-272.142	1
5264_5264	5264	5264	-160.977	-26.541	0.006	-0.105	0.36	-1026.11	1
5264_5265	5264	5265	-34.665	-6.7545	0.003	-0.018	0.1935	-227.339	1
5265_5265	5265	5265	-163.79	-24.9975	0.015	0.1845	0.507	-1047.96	1
5265_5266	5265	5266	-27.2655	-6.3825	0.006	0.0465	0.2685	-184.881	1
5266_5266	5266	5266	-167.558	-15.237	0.012	-0.1575	0.858	-1083.11	1
5266_5267	5266	5267	-22.7625	6.54	0.009	-0.0105	0.6795	-206.897	1
5267_5267	5267	5267	-162.635	-12.999	0.015	0.2415	1.0395	-1058.35	1
5267_5268	5267	5268	-30.8325	6.954	0.0105	0.081	0.8025	-252.644	1
5268_5268	5268	5268	-161.223	-22.3425	0.006	-0.1995	1.2195	-1051.84	1
5268_5269	5268	5269	-38.9175	6.954	0.006	-0.03	0.8715	-298.263	1
5269_5269	5269	5269	-150.683	-21.1395	0.0165	0.21	1.278	-991.389	1
5269_5270	5269	5270	-45.7545	7.632	0.0135	0.1095	0.9885	-336.855	1
5270_5270	5270	5270	-145.913	-27.975	0.0105	-0.0285	1.3845	-961.637	1
5270_5271	5270	5271	-52.56	7.632	0.0105	0.0195	1.08	-375.261	1
5271_5271	5271	5271	-126.134	-34.635	0.0075	-0.2715	1.899	-982.668	1
5271_5272	5271	5272	-52.101	7.6815	0.0105	-0.09	1.518	-441.143	1
5272_5272	5272	5272	-114.707	-33.201	0.096	0.1905	1.878	-920.54	1
5272_5273	5272	5273	-54.999	8.3955	0.045	0.165	1.839	-481.79	1
5273_5273	5273	5273	-100.844	-38.196	0.09	-0.021	2.442	-864.59	1
5273_5274	5273	5274	-55.929	8.4615	0.042	0.027	2.106	-522.329	1
5274_5274	5274	5274	-71.0055	-42.2985	0.132	-0.468	4.59	-878.076	1
5274_5275	5274	5275	-45.603	9.015	0.0615	-0.273	3.996	-654.392	1
5275_5275	5275	5275	-45.303	-32.2995	-0.4035	0.0435	5.6055	-727.145	1
5275_5276	5275	5276	-43.9995	12.693	-0.156	0.261	2.436	-753.998	1
5276_5276	5276	5276	-30.9825	-39.4245	-0.42	-0.345	0.9855	-662.39	1
5276_5277	5276	5277	-40.9755	13.1625	-0.165	-0.3255	0.8175	-856.157	1
5277_5277	5277	5277	-17.5965	-33.2205	0.2865	-0.3795	-3.4935	-555.068	1
5277_5278	5277	5278	-92.124	25.29	0.204	-0.27	-0.8655	-987.152	1
5278_5278	5278	5278	-128.508	-16.968	0.111	0.2145	-0.492	-677.004	1
5278_5279	5278	5279	-4.8495	-16.098	-0.0495	0.0105	0.936	-362.103	1
5279_5279	5279	5279	-129.387	-24.369	0.1365	-0.1005	0.474	-696.588	1
5279_5280	5279	5280	6.795	-13.9545	-0.0435	-0.138	0.666	-284.745	1
5280_5280	5280	5280	-126.857	-14.5815	-0.081	0.156	1.404	-694.959	1
5280_5281	5280	5281	28.7385	-8.6205	0.0045	0.048	1.047	-202.526	1
5281_5281	5281	5281	-131.501	-23.6475	-0.0675	-0.129	0.465	-760.892	1
5281_5282	5281	5282	31.7385	-3.4665	-0.012	-0.0465	1.227	-162.542	1
5282_5282	5282	5282	-111.155	-22.7595	-0.0315	0.2565	-1.104	-831.824	1
5282_5283	5282	5283	22.6155	-0.414	0.1035	0.099	1.488	-196.347	1
5283_5283	5283	5283	-111.663	-34.014	0.024	-0.372	-1.245	-862.472	1
5283_5284	5283	5284	25.8525	-0.237	0.06	-0.0675	2.3865	-193.779	1
5284_5284	5284	5284	-105.296	-28.3785	0.0795	0.18	-0.4455	-801.725	1
5284_5285	5284	5285	28.884	2.1135	-0.081	0.099	1.7085	-208.622	1
5285_5285	5285	5285	-114.893	-23.1	0.069	-0.2505	1.5705	-820.448	1
5285_5286	5285	5286	30.855	2.8095	-0.1305	-0.036	0.4725	-226.101	1
5286_5286	5286	5286	-115.239	-18.315	-0.219	0.369	2.2785	-772.94	1
5286_5287	5286	5287	24.402	9.051	0.063	0.183	0.744	-275.393	1
5287_5287	5287	5287	-121.889	-28.518	-0.135	-0.2745	-0.048	-774.603	1
5287_5288	5287	5288	3.654	14.043	0.0585	-0.084	1.4355	-374.621	1
5288_5288	5288	5288	-121.614	-20.2485	0.4935	0.696	-0.771	-702.336	1
5288_5289	5288	5289	-3.5355	16.6965	0.0105	0.168	1.632	-422.442	1
5289_5289	5289	5289	-125.162	-23.541	0.5085	0.4725	1.4535	-723.2	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5289_5290	5289	5290	-17.751	19.2285	-0.0975	-0.105	0.675	-558.263	1
5290_5290	5290	5290	-20.007	-9.234	1.251	-1.035	1.0185	-526.874	1
5290_5291	5290	5291	-46.2195	-13.6185	0.5685	-0.417	6.639	-927.525	1
5291_5291	5291	5291	-31.227	-5.8695	-0.957	0.4395	13.101	-671.082	1
5291_5292	5291	5292	-48.561	-10.905	-0.5895	0.465	0.1875	-822.411	1
5292_5292	5292	5292	-48.0885	-13.449	-0.9255	-0.5355	2.0475	-845.711	1
5292_5293	5292	5293	-48.66	-10.8765	-0.5955	-0.489	-5.5305	-732.986	1
5293_5293	5293	5293	-61.3215	-6.7275	0.1755	0.627	-7.1175	-956.58	1
5293_5294	5293	5294	-48.138	-7.5795	0.1305	0.51	-4.641	-687.086	1
5294_5294	5294	5294	-87.729	-11.7225	0.1095	0.0405	-3.99	-1008.18	1
5294_5295	5294	5295	-53.712	-7.5795	0.087	0.051	-2.4495	-593.087	1
5295_5295	5295	5295	-99.5145	3.057	0.084	-0.3585	-3.237	-1118.68	1
5295_5296	5295	5296	-49.6185	-7.6665	0.0855	-0.189	-1.746	-549.425	1
5296_5296	5296	5296	-108.914	8.3865	0.078	0.459	-2.4975	-1219.41	1
5296_5297	5296	5297	-47.955	-6.198	0.0405	0.201	-1.581	-531.678	1
5297_5297	5297	5297	-98.3685	4.9755	0.117	0.366	-3.2865	-1383.85	1
5297_5298	5297	5298	-37.776	-6.2475	0.06	0.165	-1.8615	-528.377	1
5298_5298	5298	5298	-108.671	-2.658	0.108	-0.645	-2.1315	-1522.33	1
5298_5299	5298	5299	-34.7445	-6.1815	0.0585	-0.201	-1.3485	-486.282	1
5299_5299	5299	5299	-114.746	3.5145	0.0015	1.023	-1.1505	-1604.27	1
5299_5300	5299	5300	-31.329	-5.289	0.012	0.3015	-1.2075	-440.843	1
5300_5300	5300	5300	-125.391	-6.012	-0.0045	-0.882	-1.125	-1747.19	1
5300_5301	5300	5301	-27.699	-5.289	0.0105	-0.198	-1.086	-392.537	1
5301_5301	5301	5301	-129.608	-1.011	0.0315	1.041	-1.128	-1804.48	1
5301_5302	5301	5302	-24.582	-4.542	0.0225	0.2235	-0.813	-350.681	1
5302_5302	5302	5302	-136.643	-11.154	0.0225	-1.026	-0.7035	-1899.06	1
5302_5303	5302	5303	-21.678	-4.542	0.0195	-0.1695	-0.585	-312.047	1
5303_5303	5303	5303	-136.487	-4.9485	0.009	1.1655	-0.4245	-1897.55	1
5303_5304	5303	5304	-18.8895	-4.062	0.0195	0.1875	-0.345	-272.984	1
5304_5304	5304	5304	-140.964	-36.171	0.003	-1.257	-0.3	-1956.65	1
5304_5305	5304	5305	-16.404	-4.062	0.0165	-0.1575	-0.156	-239.921	1
5305_5305	5305	5305	-138.185	-29.781	0.036	0.867	-0.309	-1920.21	1
5305_5306	5305	5306	-13.8975	-3.756	0.0285	0.12	0.189	-206.574	1
5306_5306	5306	5306	-138.866	-39.1425	0.0285	-0.831	0.06	-1929.26	1
5306_5307	5306	5307	-11.43	-3.753	0.027	-0.0765	0.5115	-173.417	1
5307_5307	5307	5307	-132.062	-33.9315	0.015	0.978	0.312	-1837.83	1
5307_5308	5307	5308	-9.258	-3.5595	0.018	0.102	0.7095	-142.046	1
5308_5308	5308	5308	-127.943	-43.629	0.0075	-0.942	0.3975	-1780.7	1
5308_5309	5308	5309	-6.8865	-3.5535	0.0165	-0.063	0.9015	-110.121	1
5309_5309	5309	5309	-115.061	-40.9185	-0.0075	0.735	0.36	-1604.85	1
5309_5310	5309	5310	-4.962	-3.3315	0.135	0.051	2.5155	-80.2365	1
5310_5310	5310	5310	-101.42	-52.299	-0.027	-0.7095	-0.018	-1416.12	1
5310_5311	5310	5311	-3.456	-3.1485	0.0885	-0.036	3.0015	-51.3405	1
5311_5311	5311	5311	-76.032	-63.813	0.024	0.2835	-0.4785	-1073.8	1
5311_5312	5311	5312	-3.192	-2.295	0.0045	0.054	-0.066	-25.8405	1
5312_5312	5312	5312	-41.7045	-78.2865	0.021	-0.4605	-0.2325	-603.18	1
5312_5313	5312	5313	-8.886	25.041	0.105	0.1725	0	-36.4245	1
5400_5020	5400	5020	36.1035	-24.6525	0.1845	0.0015	-3.0075	-613.802	1
5400_5401	5400	5401	-46.7835	-1.158	-0.312	-0.0075	-2.43	-155.933	1
5401_5401	5401	5401	35.004	-19.776	0.1935	0.615	-2.046	-513.497	1
5401_5402	5401	5402	-49.347	-0.9195	0.0825	0.1755	-2.0565	-152.211	1
5402_5402	5402	5402	32.142	-18.786	0.126	-0.198	-1.4805	-444.999	1
5402_5403	5402	5403	-54.945	-1.764	0.18	-0.063	-0.2085	-130.356	1
5403_5403	5403	5403	29.7975	-14.208	0.024	0.051	-0.228	-239.921	1
5403_5404	5403	5404	-62.667	-2.952	-0.0165	0.03	-0.3765	-107.265	1
5404_5404	5404	5404	30.114	-13.524	0.003	-0.0555	-0.0975	-137.538	1
5404_5405	5404	5405	-71.1015	-2.979	0.0345	-0.042	-0.156	-78.5715	1
5405_5405	5405	5405	30.207	-10.4055	0.0195	-0.0015	-0.099	-39.981	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5405_5406	5405	5406	-24.384	8.85	-0.018	-0.0015	-0.2595	-130.965	1
5406_5406	5406	5406	49.0905	8.13	0.0495	0.066	-0.0045	-27.93	1
5406_5407	5406	5407	-23.3325	8.943	0.021	0.111	-0.0825	-206.453	1
5407_5407	5407	5407	58.776	10.086	-0.039	-0.093	0.3885	-104.112	1
5407_5408	5407	5408	-23.658	8.5845	0.0465	-0.1845	0.0315	-253.689	1
5408_5408	5408	5408	66.198	-3.3345	-0.2745	-0.0495	0.117	-160.658	1
5408_5409	5408	5409	-21.2475	13.3065	0.012	-0.006	-0.0405	-293.855	1
5409_5409	5409	5409	62.9205	2.8905	-0.0795	0.0495	-0.6705	-151.355	1
5409_5410	5409	5410	-21.2265	-13.254	0.0435	0.006	0.0915	-253.749	1
5410_5410	5410	5410	69.546	-10.776	0.021	-0.066	-0.6195	-160.7	1
5410_5411	5410	5411	-23.622	-8.2335	-0.0015	-0.132	0.336	-207.345	1
5411_5411	5411	5411	66.33	-9.171	0.0915	0.048	-0.5235	-101.459	1
5411_5412	5411	5412	-26.7705	-7.4475	0.003	0.0735	0.075	-133.13	1
5412_5412	5412	5412	55.155	-6.0945	-0.0165	0.006	0.3045	-23.787	1
5412_5413	5412	5413	-82.9365	6.7635	0.0165	-0.0075	-0.117	-85.941	1
5413_5413	5413	5413	30.762	13.155	-0.024	-0.0525	0.276	-38.922	1
5413_5414	5413	5414	-86.988	4.662	0.048	-0.0555	0.231	-119.07	1
5414_5414	5414	5414	30.453	13.854	-0.003	0.057	0.0615	-133.821	1
5414_5415	5414	5415	-81.1455	3.012	-0.0255	0.039	0.0015	-139.661	1
5415_5415	5415	5415	31.902	18.363	-0.168	0.3405	0.1485	-233.564	1
5415_5416	5415	5416	-85.47	1.065	0.1455	0.123	1.569	-150.378	1
5416_5416	5416	5416	32.3805	19.2135	-0.2625	-1.08	-1.317	-434.283	1
5416_5417	5416	5417	-81.699	-0.789	0.417	-0.4185	3.132	-147.069	1
5417_5417	5417	5417	32.2305	23.6415	-0.12	-0.015	-2.454	-501.407	1
5417_5036	5417	5036	-81.8685	-0.801	0.2955	0.009	4.2915	-143.822	1
5420_5056	5420	5056	36.078	-22.623	0.1425	0.003	-1.908	-536.814	1
5420_5421	5420	5421	-77.8305	1.713	-0.0195	-0.015	3.2535	-110.844	1
5421_5421	5421	5421	32.8455	-17.655	0.096	0.156	-1.1145	-445.349	1
5421_5422	5421	5422	-81.3555	1.7325	-0.2745	0.0975	2.2185	-116.394	1
5422_5422	5422	5422	33.2595	-16.8615	0.0795	-0.051	-0.84	-383.792	1
5422_5423	5422	5423	-87.117	0.0645	-0.2265	-0.024	-0.27	-114.83	1
5423_5423	5423	5423	30.492	-12.3405	0.015	0.0435	-0.0375	-200.168	1
5423_5424	5423	5424	-82.56	-1.656	-0.0195	0.042	-0.3885	-101.88	1
5424_5424	5424	5424	30.7755	-11.6145	-0.006	-0.048	0.0405	-111.152	1
5424_5425	5424	5425	-85.4325	-3.4425	0.048	-0.03	-0.0765	-76.431	1
5425_5425	5425	5425	30.252	-8.7075	0.0105	-0.0015	-0.0345	-27.45	1
5425_5426	5425	5426	-24.7785	7.776	-0.0105	-0.0015	-0.1635	-114.591	1
5426_5426	5426	5426	41.142	6.1965	0.0225	0.066	-0.048	-17.8995	1
5426_5427	5426	5427	-24.1995	7.5195	-0.003	0.1425	-0.1755	-178.275	1
5427_5427	5427	5427	59.82	8.8665	-0.045	-0.126	0.582	-79.641	1
5427_5428	5427	5428	-24.348	7.023	0.0435	-0.246	-0.111	-217.311	1
5428_5428	5428	5428	61.296	-3.8685	0.243	0.0975	0.4035	-129.935	1
5428_5429	5428	5429	-22.4625	12.0465	0.021	0.0315	0.1815	-253.619	1
5429_5429	5429	5429	56.4795	3.2865	0.06	-0.1095	1.164	-119.459	1
5429_5430	5429	5430	-22.4535	-12.006	0.0105	-0.0315	0.1965	-217.185	1
5430_5430	5430	5430	57.3405	-8.7075	-0.0735	0.0165	1.167	-130.362	1
5430_5431	5430	5431	-24.4095	-6.981	-0.0135	0.027	0.0075	-178.448	1
5431_5431	5431	5431	52.746	-7.2555	-0.09	-0.0195	0.786	-82.845	1
5431_5432	5431	5432	-25.8	-6.666	0.009	-0.012	-0.0285	-114.974	1
5432_5432	5432	5432	40.2525	-4.9185	0.009	-0.0075	-0.024	-20.3415	1
5432_5433	5432	5433	-76.0935	5.037	0.0165	-0.006	-0.0255	-71.862	1
5433_5433	5433	5433	30.8835	11.538	0.0135	0.021	0.0465	-26.859	1
5433_5434	5433	5434	-77.7195	3.228	-0.018	0.0075	-0.1665	-94.2825	1
5434_5434	5434	5434	30.612	12.24	0.003	-0.021	0.1515	-110.096	1
5434_5435	5434	5435	-72.4695	1.734	0.0075	-0.021	-0.0945	-105.881	1
5435_5435	5435	5435	32.568	16.725	-0.0405	-0.12	0.2265	-198.195	1
5435_5436	5435	5436	-42.744	1.2585	-0.0615	-0.0345	-0.582	-114.687	1
5436_5436	5436	5436	33.0315	17.565	-0.006	0.3885	-0.378	-381.221	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5436_5437	5436	5437	-41.8665	0.3105	-0.117	0.1305	-1.0305	-115.598	1
5437_5437	5437	5437	32.8335	22.1625	-0.2145	-0.027	0.0825	-442.451	1
5437_5072	5437	5072	-40.0785	0.453	0.2835	0.0015	0.2175	-117.387	1
5440_5094	5440	5094	35.3685	-22.1085	0.042	0.006	-0.843	-515.759	1
5440_5441	5440	5441	-39.3315	-0.393	-0.144	-0.0015	-1.2825	-109.671	1
5441_5441	5441	5441	32.2725	-17.0385	0.0705	0.297	-0.63	-426.174	1
5441_5442	5441	5442	-40.9905	-0.21	0.063	0.066	-1.0275	-108.932	1
5442_5442	5442	5442	32.6715	-16.26	0.039	-0.099	-0.4965	-366.711	1
5442_5443	5442	5443	-79.701	0.0915	-0.123	-0.03	-0.1245	-107.111	1
5443_5443	5443	5443	29.7855	-11.745	0.0225	0.063	-0.042	-189.515	1
5443_5444	5443	5444	-76.4025	-1.5855	-0.042	0.06	-0.3615	-94.6875	1
5444_5444	5444	5444	30.045	-11.0625	-0.009	-0.066	0.0735	-104.939	1
5444_5445	5444	5445	-82.128	-2.976	0.054	-0.045	-0.0255	-71.373	1
5445_5445	5445	5445	29.6385	-8.2425	-0.003	-0.0015	-0.015	-25.134	1
5445_5446	5445	5446	-24.0705	7.3815	0.0075	-0.0015	0.0645	-109.541	1
5446_5446	5446	5446	40.107	6.114	-0.03	0.0195	0.0645	-18.732	1
5446_5447	5446	5447	-23.658	7.1295	-0.0915	0.0285	-0.765	-169.859	1
5447_5447	5447	5447	49.2765	7.845	-0.0555	-0.018	-0.1935	-77.157	1
5447_5448	5447	5448	-23.799	6.642	-0.0795	-0.0495	-1.2495	-206.781	1
5448_5448	5448	5448	57.216	-3.5475	-0.078	0.0345	-0.243	-123.317	1
5448_5449	5448	5449	-21.9885	11.5695	0.024	-0.1905	-1.2975	-241.677	1
5449_5449	5449	5449	54.5415	3.1935	0.3465	-0.039	-0.4635	-113.384	1
5449_5450	5449	5450	-22.0065	-11.5335	-0.0375	0.192	-1.4175	-206.75	1
5450_5450	5450	5450	53.9355	-8.283	-0.0525	-0.015	0.645	-123.503	1
5450_5451	5450	5451	-23.7975	-6.633	0.09	-0.036	-0.6645	-169.932	1
5451_5451	5451	5451	50.2155	-6.9465	-0.036	-0.003	0.33	-78.024	1
5451_5452	5451	5452	-25.2795	-6.321	0.0945	0.0225	0.0855	-109.749	1
5452_5452	5452	5452	39.9915	-4.7805	0.006	-0.0075	-0.0075	-18.267	1
5452_5453	5452	5453	-73.2285	5.0175	0.015	-0.006	0.0075	-70.122	1
5453_5453	5453	5453	29.3835	11.0325	-0.0015	0.0135	0.06	-25.5915	1
5453_5454	5453	5454	-74.9805	3.33	-0.021	0.0015	-0.1425	-93.4845	1
5454_5454	5454	5454	29.1195	11.712	-0.006	-0.009	0.0615	-105.18	1
5454_5455	5454	5455	-71.286	1.788	-0.006	-0.0135	-0.1755	-105.894	1
5455_5455	5455	5455	31.1055	16.125	-0.0375	0.081	0.1275	-189.621	1
5455_5456	5455	5456	-42.636	1.173	-0.084	0.0255	-0.837	-111.215	1
5456_5456	5456	5456	31.533	16.956	-0.066	-0.261	-0.2055	-365.88	1
5456_5457	5456	5457	-41.6535	0.2055	-0.0435	-0.06	-0.951	-111.743	1
5457_5457	5457	5457	31.332	21.588	-0.012	-0.0015	-0.549	-425.043	1
5457_5110	5457	5110	-40.455	0.312	0.093	0.003	-0.654	-112.997	1
5460_5132	5460	5132	40.767	-25.044	-0.777	-0.015	3.09	-572.649	1
5460_5461	5460	5461	-27.942	-2.055	0.2565	0.006	-0.72	-112.602	1
5461_5461	5461	5461	35.295	-19.17	-0.051	-0.285	0.006	-470.421	1
5461_5462	5461	5462	-81.2715	2.646	0.0675	-0.072	0.453	-117.621	1
5462_5462	5462	5462	35.745	-18.3165	-0.0225	0.0885	-0.069	-403.556	1
5462_5463	5462	5463	-89.4915	1.131	-0.0045	0.024	0.4305	-127.335	1
5463_5463	5463	5463	33.717	-13.2195	-0.054	-0.153	0.219	-204.033	1
5463_5464	5463	5464	-89.811	-0.753	0.0585	-0.15	1.146	-120.411	1
5464_5464	5464	5464	29.853	-12.363	0.0225	0.159	-0.0255	-109.025	1
5464_5465	5464	5465	-95.3025	-2.472	-0.207	0.162	-0.1935	-101.108	1
5465_5465	5465	5465	-20.697	-2.01	0	0.0015	-0.0015	-25.938	1
5465_5466	5465	5466	-22.8195	9.1005	0.012	0.0015	0.078	-117.605	1
5466_5466	5466	5466	28.8705	6.2385	-0.0075	-0.0705	0.0825	-51.6975	1
5466_5467	5466	5467	-25.038	7.869	0.045	-0.123	0.4215	-187.064	1
5467_5467	5467	5467	34.95	7.386	0.0585	0.129	0.0765	-109.239	1
5467_5468	5467	5468	-25.194	7.353	0.0045	0.213	0.606	-227.928	1
5468_5468	5468	5468	39.0285	-0.4395	-0.0405	0.0075	0.2985	-150.678	1
5468_5469	5468	5469	-23.7585	12.441	-0.0585	0.048	0.279	-265.217	1
5469_5469	5469	5469	47.571	0.8355	0.0915	-0.051	-0.2415	-163.443	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5469_5470	5469	5470	-21.5295	-12.192	0.021	-0.0495	0.408	-225.407	1
5470_5470	5470	5470	47.418	-9.057	0.0225	0.0525	-0.1155	-166.529	1
5470_5471	5470	5471	-23.1585	-7.5555	-0.0375	0.0885	0.0255	-183.356	1
5471_5471	5471	5471	45.621	-7.971	-0.0165	-0.0345	0.054	-116.355	1
5471_5472	5471	5472	-21.588	-7.8825	-0.0225	-0.048	-0.1155	-112.446	1
5472_5472	5472	5472	39.78	-6.075	0.0135	-0.003	-0.108	-46.473	1
5472_5473	5472	5473	-85.197	4.0815	-0.0135	-0.0015	-0.144	-94.3065	1
5473_5473	5473	5473	-22.59	0.711	0	0	-0.0225	-27.9045	1
5473_5474	5473	5474	-87.504	1.998	0.0075	0.0015	-0.0435	-108.144	1
5474_5474	5474	5474	29.55	12.999	-0.0045	-0.003	-0.0255	-115.713	1
5474_5475	5474	5475	-81.7515	0.264	0.012	-0.0045	0.051	-108.896	1
5475_5475	5475	5475	30.8865	17.484	0.0075	-0.0315	-0.141	-209.4	1
5475_5476	5475	5476	-39.7425	2.562	-0.0645	-0.012	-0.606	-130.599	1
5476_5476	5476	5476	31.419	18.336	0.018	0.132	-0.1065	-400.986	1
5476_5477	5476	5477	-39.792	1.608	-0.081	0.0555	-0.903	-136.206	1
5477_5477	5477	5477	34.9215	23.5155	0.0045	-0.0015	0.1545	-465.515	1
5477_5148	5477	5148	-38.301	1.716	-0.087	-0.006	-1.2075	-143.205	1
5480_5168	5480	5168	40.1265	-24.5205	0.102	0.021	0.5085	-584.294	1
5480_5481	5480	5481	-34.5585	-1.3485	0.0435	0.0075	-0.387	-112.664	1
5481_5481	5481	5481	38.712	-19.476	-0.0945	-0.771	0.48	-484.464	1
5481_5482	5481	5482	-35.9685	-1.2195	0.1005	-0.2055	-0.129	-108.159	1
5482_5482	5482	5482	35.1285	-18.333	-0.015	0.249	0.4515	-417.545	1
5482_5483	5482	5483	-91.9545	1.773	-0.0615	0.0585	-0.1155	-117.743	1
5483_5483	5483	5483	32.6985	-13.6725	-0.0315	-0.0855	0.216	-217.943	1
5483_5484	5483	5484	-92.1015	-0.0705	0.0705	-0.078	0.348	-116.276	1
5484_5484	5484	5484	33.006	-12.909	0.0105	0.0885	0.051	-119.406	1
5484_5485	5484	5485	-95.4915	-2.022	-0.066	0.084	-0.0645	-101.138	1
5485_5485	5485	5485	-24.3465	-1.7145	0.003	0.0015	-0.021	-32.7735	1
5485_5486	5485	5486	-22.308	9.5595	0.009	0	0.048	-120.53	1
5486_5486	5486	5486	38.2275	6.9315	0.0405	-0.021	-0.0525	-44.754	1
5486_5487	5486	5487	-24.708	8.46	0.0285	-0.0465	0.3255	-195.045	1
5487_5487	5487	5487	43.7625	8.1915	0.0705	0.051	0.309	-108.021	1
5487_5488	5487	5488	-24.8775	7.95	0.0135	0.0885	0.465	-239.231	1
5488_5488	5488	5488	48.1965	-1.5555	-0.1155	0.0675	0.6105	-153.711	1
5488_5489	5488	5489	-23.3115	12.975	-0.0045	0.0285	0.3	-278.288	1
5489_5489	5489	5489	40.857	0.3	-0.0255	0.0075	-0.1605	-161.076	1
5489_5490	5489	5490	-23.661	-13.05	0.042	-0.03	0.1755	-241.374	1
5490_5490	5490	5490	40.182	-8.16	0.0405	0.0525	-0.3525	-162.57	1
5490_5491	5490	5491	-25.89	-7.9395	-0.024	0.093	-0.132	-197.244	1
5491_5491	5491	5491	38.574	-7.2435	0.009	-0.03	-0.087	-117.333	1
5491_5492	5491	5492	-24.4215	-8.406	-0.009	-0.0495	-0.135	-122.316	1
5492_5492	5492	5492	30.909	-5.49	-0.0015	-0.0015	-0.003	-54.492	1
5492_5493	5492	5493	-95.391	4.107	0.0075	-0.0015	0.114	-100.307	1
5493_5493	5493	5493	30.4845	13.0125	0.0045	0.087	-0.126	-25.2675	1
5493_5494	5493	5494	-94.041	2.094	-0.075	0.0765	-0.444	-113.49	1
5494_5494	5494	5494	34.4235	13.9185	-0.036	-0.0855	-0.021	-119.315	1
5494_5495	5494	5495	-90.6645	0.1125	0.06	-0.0795	0.054	-113.475	1
5495_5495	5495	5495	35.841	18.54	-0.003	0.249	-0.3645	-219.63	1
5495_5496	5495	5496	-32.5575	2.646	-0.051	0.0675	-0.525	-114.107	1
5496_5496	5496	5496	36.4815	19.5135	-0.0795	-0.7815	-0.105	-422.7	1
5496_5497	5496	5497	-31.134	1.959	0.0285	-0.201	-0.3375	-120.767	1
5497_5497	5497	5497	40.458	24.5895	0.018	0.024	-0.8865	-491.24	1
5497_5184	5497	5184	-28.5525	2.1135	-0.06	0.0045	-0.711	-129.006	1
5500_5204	5500	5204	39.0765	-24.849	0.27	0.012	-1.929	-629.54	1
5500_5501	5500	5501	-85.1415	1.875	-0.375	-0.0225	3.03	-127.785	1
5501_5501	5501	5501	39.282	-20.4675	0.0825	0.144	-0.5625	-527.792	1
5501_5502	5501	5502	-89.5455	1.89	-0.264	0.0975	2.202	-133.79	1
5502_5502	5502	5502	38.745	-19.4715	0.066	-0.033	-0.303	-456.405	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5502_5503	5502	5503	-96.705	0.1605	-0.2325	-0.009	-0.312	-132.476	1
5503_5503	5503	5503	36.7365	-14.8365	-0.0375	-0.102	0.303	-243.752	1
5503_5504	5503	5504	-91.257	-1.971	0.084	-0.0645	0.303	-117.635	1
5504_5504	5504	5504	37.071	-13.9785	0.009	0.0975	0.102	-136.823	1
5504_5505	5504	5505	-98.4495	-3.5115	-0.057	0.0975	-0.024	-89.634	1
5505_5505	5505	5505	36.0495	-10.725	-0.012	-0.0045	0.126	-36.018	1
5505_5506	5505	5506	-28.5285	9.7065	0.0195	-0.0015	0.207	-142.575	1
5506_5506	5506	5506	45.6645	6.5715	-0.129	-0.0375	0.192	-16.143	1
5506_5507	5506	5507	-28.254	9.219	0.009	-0.051	0.279	-221.325	1
5507_5507	5507	5507	68.8065	10.1745	-0.1125	0.0435	-1.221	-88.368	1
5507_5508	5507	5508	-28.4655	8.8035	0	0.1035	0.4215	-269.79	1
5508_5508	5508	5508	66.939	-3.96	0.2925	-0.204	-2.097	-145.421	1
5508_5509	5508	5509	-26.0445	14.5425	-0.054	0.021	0.0825	-313.749	1
5509_5509	5509	5509	64.6695	3.894	0.1995	0.1995	-1.1895	-134.039	1
5509_5510	5509	5510	-26.067	-14.6445	-0.0465	-0.015	-0.06	-269.481	1
5510_5510	5510	5510	62.2275	-9.5535	0.117	0.0945	-0.7575	-146.304	1
5510_5511	5510	5511	-28.656	-8.778	-0.0375	0.258	-0.4275	-220.503	1
5511_5511	5511	5511	60.153	-8.166	-0.006	-0.0765	-0.0315	-93.567	1
5511_5512	5511	5512	-30.1515	-8.2305	-0.0015	-0.138	-0.195	-140.747	1
5512_5512	5512	5512	43.8465	-5.3865	0.018	-0.0135	-0.0945	-23.967	1
5512_5513	5512	5513	-87.1755	4.7925	-0.033	-0.0105	0.024	-80.334	1
5513_5513	5513	5513	37.875	14.3175	0.006	0.1035	-0.21	-38.25	1
5513_5514	5513	5514	-91.2465	2.8125	-0.0675	0.0585	-0.411	-99.4215	1
5514_5514	5514	5514	36.69	15.186	-0.0405	-0.099	-0.096	-141.68	1
5514_5515	5514	5515	-58.4745	2.496	0.0675	-0.0495	0.198	-113.007	1
5515_5515	5515	5515	38.7645	19.797	-0.069	0.207	-0.423	-250.952	1
5515_5516	5515	5516	-47.3655	1.3725	-0.33	0.0495	-3.4455	-125.946	1
5516_5516	5516	5516	39.2595	20.8035	-0.123	-0.4845	-1.002	-467.556	1
5516_5517	5516	5517	-45.6255	0.3525	-0.2535	-0.063	-4.224	-126.83	1
5517_5517	5517	5517	39.081	24.9885	0.015	-0.1185	0.231	-540.044	1
5517_5220	5517	5220	-45.6345	0.3615	0.5895	0.0075	-1.554	-128.306	1
5520_5240	5520	5240	54.6045	-27.981	-3.7095	-0.132	10.764	-682.749	1
5520_5521	5520	5521	-89.574	11.424	2.289	0.162	12.8595	-120.548	1
5521_5521	5521	5521	53.355	-19.6095	1.2225	1.3455	-13.476	-493.1	1
5521_5522	5521	5522	-89.3985	2.097	-1.011	0.639	9.474	-127.434	1
5522_5522	5522	5522	53.8275	-18.2865	1.011	-0.2835	-9.711	-424.557	1
5522_5523	5522	5523	-98.3925	0.408	-0.7095	-0.1575	2.904	-129.9	1
5523_5523	5523	5523	53.2215	-14.85	0.039	0.2235	1.0035	-224.735	1
5523_5524	5523	5524	-98.1375	-1.455	-0.354	0.2415	1.029	-117.219	1
5524_5524	5524	5524	53.5515	-13.6125	-0.12	-0.1905	1.149	-117.744	1
5524_5525	5524	5525	-102.903	-3.258	-0.0315	-0.162	0.705	-91.5975	1
5525_5525	5525	5525	-20.5215	-2.286	-0.0495	0.009	0.1785	-20.9085	1
5525_5526	5525	5526	-45.675	9.669	0.213	0.0465	3.8955	-170.283	1
5526_5526	5526	5526	40.074	5.877	1.1865	0.1605	0.8505	-20.49	1
5526_5527	5526	5527	-45.0285	9.228	-0.249	0.2055	1.3485	-248.4	1
5527_5527	5527	5527	72.084	10.3425	-0.9375	0.048	-6.612	-87.9765	1
5527_5528	5527	5528	-44.976	8.532	-0.0945	-0.117	1.5555	-294.908	1
5528_5528	5528	5528	70.7955	-4.7175	0.369	-1.2795	-13.053	-145.766	1
5528_5529	5528	5529	-42.597	17.865	-0.6105	0.0495	-0.6945	-348.753	1
5529_5529	5529	5529	67.5915	4.149	-0.147	1.3575	-11.499	-133.184	1
5529_5530	5529	5530	-42.684	-18.6225	-0.6675	0.2055	-2.5785	-292.338	1
5530_5530	5530	5530	64.5075	-9.7875	0.915	0.024	-12.033	-145.68	1
5530_5531	5530	5531	-46.0515	-9.108	-0.2415	0.3495	-2.571	-240.879	1
5531_5531	5531	5531	60.72	-8.2605	0.7305	-0.0225	-6.552	-92.1285	1
5531_5532	5531	5532	-45.582	-8.8815	-0.405	-0.1005	-3.9405	-155.39	1
5532_5532	5532	5532	44.9955	-5.538	0.0975	-0.0225	0.078	-22.047	1
5532_5533	5532	5533	-97.482	5.418	-0.1635	-0.0195	-1.716	-90.5985	1
5533_5533	5533	5533	60.1335	16.0935	-0.213	0.0885	-0.6465	-47.55	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
5533_5534	5533	5534	-98.454	3.0255	-0.099	0.0135	-1.887	-110.309	1
5534_5534	5534	5534	59.7435	17.4885	-0.2535	0.021	-2.145	-163.605	1
5534_5535	5534	5535	-58.9425	2.523	0.0165	0.0405	-2.043	-119.025	1
5535_5535	5535	5535	60.3675	21.8625	-0.3075	0.072	-3.774	-289.499	1
5535_5536	5535	5536	-46.9335	1.4235	-0.771	-0.0105	-10.5285	-131.765	1
5536_5536	5536	5536	59.832	23.286	-0.294	0.3645	-7.1535	-528.258	1
5536_5537	5536	5537	-46.9545	0.312	-0.783	0.27	-13.2615	-132.849	1
5537_5537	5537	5537	59.409	26.3895	1.0185	0.141	-7.767	-609.126	1
5537_5254	5537	5254	-44.439	0.5655	1.035	0.2475	-8.7585	-134.861	1
5540_5278	5540	5278	65.5305	-25.5285	1.9485	1.116	-0.6765	-714.822	1
5540_5541	5540	5541	-86.586	1.701	1.707	0.459	15.993	-127.197	1
5541_5541	5541	5541	66.3855	-22.9905	0.27	1.2705	6.8085	-610.031	1
5541_5542	5541	5542	-89.3025	2.0505	-0.96	0.558	13.257	-133.784	1
5542_5542	5542	5542	62.34	-21.225	0.1125	-0.0135	7.8585	-530.072	1
5542_5543	5542	5543	-98.5425	0.444	-0.771	-0.0405	4.815	-135.618	1
5543_5543	5543	5543	61.965	-17.5485	-0.366	0.3855	8.397	-297.755	1
5543_5544	5543	5544	-99.9165	-1.686	-0.4095	0.246	2.4	-121.296	1
5544_5544	5544	5544	62.3595	-16.083	-0.5235	-0.228	5.601	-171.276	1
5544_5545	5544	5545	-108.398	-3.303	-0.093	-0.144	1.3605	-93.8505	1
5545_5545	5545	5545	64.4775	-12.4815	-0.417	-0.0645	1.5345	-55.9005	1
5545_5546	5545	5546	-51.78	10.2195	0.3795	0.135	6.8655	-167.393	1
5546_5546	5546	5546	51.897	7.596	-1.3275	0.042	1.098	-18.96	1
5546_5547	5546	5547	-50.2545	10.3365	-0.513	0.378	1.7775	-251.642	1
5547_5547	5547	5547	75.0585	11.208	-1.8465	0.1935	-14.2845	-99.576	1
5547_5548	5547	5548	-50.514	9.5085	-0.327	-0.0315	0.7725	-304.076	1
5548_5548	5548	5548	75.936	-5.127	1.179	-2.928	-27.162	-162.521	1
5548_5549	5548	5549	-47.2965	20.1585	-0.7215	0.492	1.284	-363.891	1
5549_5549	5549	5549	71.73	3.6015	-0.465	3.2985	-22.9425	-150.812	1
5549_5550	5549	5550	-47.4765	-19.62	-0.642	0.213	-0.7845	-305.351	1
5550_5550	5550	5550	67.1325	-11.2845	1.764	-0.045	-24.6435	-160.968	1
5550_5551	5550	5551	-50.3025	-8.553	-0.7785	0.522	-2.2545	-254.793	1
5551_5551	5551	5551	61.8945	-9.438	1.5165	0.078	-13.875	-98.1915	1
5551_5552	5551	5552	-52.707	-7.713	-1.2285	0.006	-7.9515	-177.993	1
5552_5552	5552	5552	40.5	-5.997	0.237	-0.0195	-0.8025	-23.625	1
5552_5553	5552	5553	-83.6805	3.4755	-0.168	0.114	-4.7715	-106.544	1
5553_5553	5553	5553	64.968	15.975	-0.588	0.1185	-0.8565	-37.668	1
5553_5554	5553	5554	-73.2135	3.831	-0.1155	0.1305	-5.2155	-126.045	1
5554_5554	5554	5554	64.5345	17.6415	-0.6555	0.0735	-4.9305	-150.15	1
5554_5555	5554	5555	-67.7955	2.622	-0.0525	0.1125	-5.3835	-142.904	1
5555_5555	5555	5555	65.868	21.417	-1.7895	0.402	-9.3795	-274.05	1
5555_5556	5555	5556	-53.4285	1.2075	-0.9105	0.111	-14.985	-152.423	1
5556_5556	5556	5556	65.2425	23.2425	-1.9365	-0.057	-28.0935	-502.328	1
5556_5557	5556	5557	-50.418	0.003	-0.7185	0.129	-16.5075	-152.196	1
5557_5557	5557	5557	63.267	25.689	2.841	1.782	-34.9995	-581.265	1
5557_5290	5557	5290	-47.103	0.4695	0.813	0.6465	-11.103	-154.095	1
45000_5000	45000	5000	-0.612	-3.7125	-0.0255	-0.213	0	-4.305	1
45000_5001	45000	5001	0.2835	4.0545	-0.261	0.1785	-3.315	-49.359	1
45001_5001	45001	5001	1.488	21.3675	-0.3105	-0.6675	-3.9195	-963.35	1
45001_5002	45001	5002	0.342	4.0785	-0.222	0.1215	-5.0235	-89.589	1
45002_5002	45002	5002	1.785	18.1935	0.4035	1.1505	-8.445	-1438.42	1
45002_5003	45002	5003	0.3435	4.1595	0.2565	0.1335	-1.9005	-140.099	1
45003_5003	45003	5003	1.911	-1.9755	0.432	-1.5885	-3.756	-1914.37	1
45003_5004	45003	5004	0.345	4.1595	0.2565	-0.0795	1.212	-190.557	1
45004_5004	45004	5004	2.085	1.041	-0.0465	0.792	1.773	-2160.66	1
45004_5005	45004	5005	0.3585	4.143	-0.027	0.138	0.852	-240.846	1
45005_5005	45005	5005	2.1705	-10.599	-0.0555	-1.3065	1.3695	-2402.42	1
45005_5006	45005	5006	0.3585	4.143	-0.027	-0.084	0.516	-291.18	1
45006_5006	45006	5006	2.1945	-4.1775	0.0465	1.815	0.777	-2473.38	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45006_5007	45006	5007	0.3945	4.188	0.024	0.2805	0.8055	-341.958	1
45007_5007	45007	5007	2.1795	-15.219	0.0495	-2.2725	1.485	-2602.37	1
45007_5008	45007	5008	0.423	4.1925	0.0225	-0.279	1.0725	-392.829	1
45008_5008	45008	5008	2.1405	-8.256	-0.027	1.8945	2.2095	-2580.99	1
45008_5009	45008	5009	0.423	4.284	-0.006	0.336	0.996	-444.851	1
45009_5009	45009	5009	2.0895	-19.185	-0.03	-2.2575	1.965	-2630.79	1
45009_5010	45009	5010	0.423	4.284	-0.0075	-0.3915	0.9105	-496.86	1
45010_5010	45010	5010	2.136	-33.312	0.0555	-0.153	1.4805	-2537.28	1
45010_5011	45010	5011	0.423	4.4565	0.018	-0.042	1.122	-550.965	1
45011_5011	45011	5011	2.085	-43.8495	0.0525	-0.12	2.253	-2535.71	1
45011_5012	45011	5012	0.423	4.4565	0.018	-0.042	1.335	-605.058	1
45012_5012	45012	5012	2.028	-37.926	-0.123	0.549	2.9265	-2389.59	1
45012_5013	45012	5013	0.441	4.8105	-0.006	0.162	1.2615	-663.335	1
45013_5013	45013	5013	1.971	-48.513	-0.1245	-0.96	1.4625	-2312.76	1
45013_5014	45013	5014	0.441	4.8105	-0.006	-0.318	1.185	-721.712	1
45014_5014	45014	5014	1.917	-45.5955	0.2325	0.3165	0.0915	-2095.06	1
45014_5015	45014	5015	0.4725	5.3025	0.048	0.168	1.884	-806.534	1
45015_5015	45015	5015	2.3385	-58.0875	0.1965	-1.011	3.531	-1851.23	1
45015_5016	45015	5016	0.426	5.3055	0.0465	-0.4545	2.268	-850.071	1
45016_5016	45016	5016	2.2905	-30.7305	-0.108	0.5535	4.449	-1657.74	1
45016_5017	45016	5017	0.3255	6.459	-0.0435	0.39	1.8	-925.775	1
45017_5017	45017	5017	3.3585	-40.875	-0.1095	-0.7515	2.805	-1459.38	1
45017_5018	45017	5018	0.1875	6.546	-0.0465	-0.495	1.152	-1011.93	1
45018_5018	45018	5018	4.4565	-45.021	0.03	0.1515	1.251	-1107.52	1
45018_5019	45018	5019	-0.03	7.4895	0.0375	0.4335	1.6665	-1105.43	1
45019_5019	45019	5019	6.3615	-54.621	0.0075	-0.489	1.356	-750.336	1
45019_5020	45019	5020	-6.192	41.8575	0.036	-0.276	-2.8275	-1342.54	1
45020_5020	45020	5020	-68.187	-0.123	-0.2355	0.1515	6.2385	-546.563	1
45020_5021	45020	5021	19.8915	-25.173	0.048	0.1845	0.7485	-587.073	1
45021_5021	45021	5021	-58.2705	-6.525	-0.2055	0.192	3.6645	-755.264	1
45021_5022	45021	5022	27.081	-18.207	0.0375	0.081	1.6845	-414.584	1
45022_5022	45022	5022	-50.5035	-12.957	-0.1305	-0.738	1.878	-894.179	1
45022_5023	45022	5023	39.741	-12.1275	-0.012	-0.3915	2.2935	-301.239	1
45023_5023	45023	5023	-42.4575	-12.5025	-0.0705	-0.2325	0.7845	-996.542	1
45023_5024	45023	5024	56.4015	-0.501	-0.063	-0.12	3.4215	-279.111	1
45024_5024	45024	5024	-34.8975	-19.578	-0.1065	1.2885	0.0975	-1114.63	1
45024_5025	45024	5025	56.4015	-0.501	0.015	0.264	3.5355	-275.103	1
45025_5025	45025	5025	-28.194	-27.426	-0.0135	-1.662	-0.705	-1181.2	1
45025_5026	45025	5026	55.5075	-0.4785	-0.132	-0.456	2.4675	-271.215	1
45026_5026	45026	5026	-23.118	-23.271	-0.048	0.1905	-0.8355	-1196.09	1
45026_5027	45026	5027	55.509	0.0615	-0.0765	0.0015	2.01	-271.586	1
45027_5027	45027	5027	-20.2035	-29.181	-0.0405	0.48	-1.095	-1243.48	1
45027_5028	45027	5028	53.598	0.0645	-0.0675	0.048	1.599	-271.961	1
45028_5028	45028	5028	-18.18	-35.5515	-0.03	0.354	-1.23	-1261.82	1
45028_5029	45028	5029	53.598	0.0645	-0.0765	0.0015	1.1415	-272.345	1
45029_5029	45029	5029	-16.8075	-42.1305	0.006	-1.602	-1.269	-1239.05	1
45029_5030	45029	5030	53.598	0.0645	-0.165	-0.45	0.1515	-272.729	1
45030_5030	45030	5030	-19.7715	-19.332	0.036	0.8475	-0.621	-1185.96	1
45030_5031	45030	5031	55.509	0.9795	-0.111	0.129	-0.744	-280.527	1
45031_5031	45031	5031	-23.361	-27.8385	0.069	-0.4755	-0.1755	-1167.69	1
45031_5032	45031	5032	56.403	1.0065	-0.1815	-0.2205	-2.1945	-288.545	1
45032_5032	45032	5032	-28.2495	-35.691	0.0855	-0.36	0.633	-1097.72	1
45032_5033	45032	5033	56.403	1.0065	-0.1815	-0.2205	-3.645	-296.591	1
45033_5033	45033	5033	-33.7995	-35.172	0.1305	0.1305	1.6905	-976.622	1
45033_5034	45033	5034	33.312	18.06	-0.039	0.225	2.298	-397.176	1
45034_5034	45034	5034	-39.7425	-42.3135	0.1425	0.186	3.0225	-871.343	1
45034_5035	45034	5035	23.301	25.056	-0.0465	0.2295	1.1565	-570.419	1
45035_5035	45035	5035	-45.429	-48.744	0.21	-0.414	4.6245	-718.196	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45035_5036	45035	5036	16.806	37.7685	-0.0795	-0.3315	-0.8175	-882.056	1
45036_5036	45036	5036	-9.0195	-4.536	0.009	0.1515	-2.67	-286.983	1
45036_5037	45036	5037	-35.802	-29.8065	-0.087	0.978	-6.4395	-1028.08	1
45037_5037	45037	5037	17.5575	-1.4385	-0.021	-0.702	2.367	-684.506	1
45037_5038	45037	5038	21.93	-9.975	-0.072	-1.083	2.5485	-895.943	1
45038_5038	45038	5038	22.7445	-4.9905	0.069	0.8235	2.4135	-1001.18	1
45038_5039	45038	5039	22.236	-8.3475	0.093	0.711	3.66	-785.273	1
45039_5039	45039	5039	27.768	-15.4065	0.0255	-1.1475	3.75	-1293	1
45039_5040	45039	5040	22.434	-7.8	0.054	-0.711	4.353	-691.349	1
45040_5040	45040	5040	31.4565	-12.7065	-0.1065	0.588	4.563	-1428.46	1
45040_5041	45040	5041	22.419	-6.258	-0.099	0.303	3.537	-639.731	1
45041_5041	45041	5041	33.2505	-20.9295	-0.132	-0.3375	3.861	-1550.56	1
45041_5042	45041	5042	22.131	-6.0255	-0.1125	-0.1245	1.7955	-538.344	1
45042_5042	45042	5042	34.6785	-17.355	0.045	-0.027	2.1615	-1654	1
45042_5043	45042	5043	22.1325	-5.253	0.0375	0	2.25	-475.697	1
45043_5043	45043	5043	34.5915	-28.158	0.0525	-0.003	2.817	-1796.18	1
45043_5044	45043	5044	22.1325	-5.253	0.0375	0	2.703	-413.042	1
45044_5044	45044	5044	33.6825	-22.2645	-0.027	-0.1245	3.5865	-1821.14	1
45044_5045	45044	5045	22.1325	-4.9335	-0.021	-0.0345	2.4465	-354.174	1
45045_5045	45045	5045	30.339	-15.8835	-0.006	0.057	3.273	-1922.25	1
45045_5046	45045	5046	7.599	5.0115	-0.0165	0.0345	1.6935	-313.364	1
45046_5046	45046	5046	29.586	-9.2085	-0.0135	1.3815	3.2565	-1883.43	1
45046_5047	45046	5047	7.599	5.079	0.003	0.3075	1.7235	-373.967	1
45047_5047	45047	5047	30.312	-39.069	-0.06	-1.59	3.081	-1925.33	1
45047_5048	45047	5048	7.599	5.079	-0.009	-0.2925	1.608	-434.505	1
45048_5048	45048	5048	28.749	-14.8035	-0.0435	1.308	2.409	-1825.49	1
45048_5049	45048	5049	7.599	5.2725	-0.015	0.399	1.437	-497.411	1
45049_5049	45049	5049	28.3785	-26.991	-0.0975	-1.554	1.7625	-1799.59	1
45049_5050	45049	5050	8.106	5.292	-0.0285	-0.432	1.0605	-560.499	1
45050_5050	45050	5050	27.5085	-20.9355	0.069	0.597	0.579	-1655.16	1
45050_5051	45050	5051	8.106	5.7675	-0.0255	0.3045	0.6615	-651.096	1
45051_5051	45051	5051	25.659	-35.679	0.0225	-1.4625	1.317	-1551.35	1
45051_5052	45051	5052	8.3625	5.8605	-0.0345	-0.6225	0.3645	-700.131	1
45052_5052	45052	5052	24.336	-28.7145	0.036	0.987	1.4025	-1416.51	1
45052_5053	45052	5053	8.616	6.927	0.0165	0.717	0.6015	-780.969	1
45053_5053	45053	5053	22.4175	-39.0915	0	-1.278	1.2765	-1294.19	1
45053_5054	45053	5054	8.5845	7.1715	-0.0015	-0.783	0.5355	-878.696	1
45054_5054	45054	5054	19.257	-43.413	-0.003	0.2865	1.2375	-1006.71	1
45054_5055	45054	5055	-31.4625	30.267	0.027	0.837	-2.2005	-983.397	1
45055_5055	45055	5055	17.0985	-53.3805	-0.027	-0.6435	0.786	-695.544	1
45055_5056	45055	5056	-32.838	41.43	0.0675	-0.5925	-1.5615	-1419.88	1
45056_5056	45056	5056	-58.23	-0.2085	-0.135	0.015	3.7965	-551.226	1
45056_5057	45056	5057	22.404	-24.6555	0.051	-0.0285	0.1905	-519.698	1
45057_5057	45057	5057	-50.595	-6.873	-0.1395	0.372	2.256	-767.384	1
45057_5058	45057	5058	35.3175	-14.9055	0.0585	0.174	1.1985	-368.181	1
45058_5058	45058	5058	-44.6295	-13.4925	-0.0705	-0.7395	1.074	-918.923	1
45058_5059	45058	5059	55.761	-2.4525	0.1155	-0.1695	-0.5955	-324.393	1
45059_5059	45059	5059	-38.2815	-12.984	-0.1425	1.425	0.42	-1029.2	1
45059_5060	45059	5060	55.761	-1.4235	0.2175	0.6015	1.1505	-312.992	1
45060_5060	45060	5060	-32.313	-20.1315	-0.048	-0.9765	-0.687	-1153.64	1
45060_5061	45060	5061	55.7625	-1.4235	0.084	-0.1515	1.8195	-301.605	1
45061_5061	45061	5061	-27.0405	-28.038	-0.0435	-0.843	-1.0245	-1224.67	1
45061_5062	45061	5062	54.5745	-1.392	0.084	-0.1515	2.493	-290.292	1
45062_5062	45062	5062	-23.1285	-23.6025	-0.03	0.696	-1.311	-1241.71	1
45062_5063	45062	5063	54.5745	-0.426	0.105	0.324	3.123	-287.744	1
45063_5063	45063	5063	-18.2685	-13.2495	-0.009	1.1085	-1.236	-1292.08	1
45063_5064	45063	5064	54.5745	-0.426	0.111	0.3555	3.789	-285.191	1
45064_5064	45064	5064	-19.0065	-19.755	0.0285	-1.1205	-1.2465	-1311.38	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45064_5065	45064	5065	54.5745	-0.426	0.015	-0.15	3.8745	-282.635	1
45065_5065	45065	5065	-18.468	-42.3285	0.018	-1.071	-1.3005	-1289.64	1
45065_5066	45065	5066	54.5745	-0.426	0.015	-0.15	3.96	-280.079	1
45066_5066	45066	5066	-22.2855	-18.96	0.0345	0.4065	-0.7485	-1238.53	1
45066_5067	45066	5067	55.764	0.207	0.0495	0.2175	4.35	-281.718	1
45067_5067	45067	5067	-25.887	-27.474	0.0405	0.4545	-0.351	-1219.88	1
45067_5068	45067	5068	54.2985	0.807	-0.09	0.0255	-0.984	-283.8	1
45068_5068	45068	5068	-30.8205	-35.358	0.087	-0.984	0.1185	-1147.84	1
45068_5069	45068	5069	54.2985	0.807	-0.162	-0.351	-2.2755	-290.267	1
45069_5069	45069	5069	-36.426	-34.62	0.066	0.8055	1.032	-1023.35	1
45069_5070	45069	5070	36.777	15.1545	0.003	0.4995	2.139	-376.754	1
45070_5070	45070	5070	-42.417	-41.8845	0.129	-0.264	1.7625	-914.327	1
45070_5071	45070	5071	23.268	24.7875	-0.0465	-0.006	0.885	-530.283	1
45071_5071	45071	5071	-48.042	-48.474	0.174	-0.567	3.114	-761.411	1
45071_5072	45071	5072	18.4665	37.1985	-0.063	-0.231	-0.537	-813.269	1
45072_5072	45072	5072	-7.7235	-0.5535	-0.03	0.327	2.874	-300.297	1
45072_5073	45072	5073	10.4865	-8.3835	-0.0285	0.9195	2.6145	-998.268	1
45073_5073	45073	5073	13.677	-1.458	-0.0435	-0.498	2.2875	-698.816	1
45073_5074	45073	5074	10.701	-8.1075	-0.0465	-0.738	2.1825	-896.637	1
45074_5074	45074	5074	17.9985	-5.106	-0.0015	1.0095	2.0685	-1017.31	1
45074_5075	45074	5075	10.095	-6.969	-0.0105	0.867	2.0235	-802.79	1
45075_5075	45075	5075	22.212	-15.918	-0.078	-1.428	2.1465	-1307.92	1
45075_5076	45075	5076	10.269	-6.7095	-0.033	-0.8775	1.701	-720.576	1
45076_5076	45076	5076	25.2135	-12.7935	0.0435	1.068	1.5765	-1448.25	1
45076_5077	45076	5077	10.023	-5.517	0.0285	0.5505	1.914	-674.999	1
45077_5077	45077	5077	26.4705	-20.0295	0.018	-0.7125	2.031	-1604.42	1
45077_5078	45077	5078	9.387	-5.3835	0.0195	-0.294	2.217	-601.14	1
45078_5078	45078	5078	27.2505	-17.4885	0.0345	1.3185	2.241	-1730.34	1
45078_5079	45078	5079	9.387	-4.974	-0.006	0.4815	2.154	-545.367	1
45079_5079	45079	5079	25.071	-9.447	0.0075	-1.7055	2.631	-1899.65	1
45079_5080	45079	5080	9.387	-4.974	-0.0225	-0.4905	1.905	-489.593	1
45080_5080	45080	5080	24.207	-2.799	-0.003	1.734	2.724	-1945.69	1
45080_5081	45080	5081	9.387	-4.725	-0.0015	0.3885	1.89	-436.608	1
45081_5081	45081	5081	23.577	-14.037	-0.0465	-1.8	2.6685	-2064.87	1
45081_5082	45081	5082	9.387	-4.725	-0.018	-0.3885	1.6875	-383.622	1
45082_5082	45082	5082	23.238	-6.7875	0.0105	0.009	2.115	-2053.68	1
45082_5083	45082	5083	7.8135	4.446	0	0.018	1.4745	-329.721	1
45083_5083	45083	5083	23.2215	-18.855	0.012	-0.048	2.199	-2121.05	1
45083_5084	45083	5084	7.8135	4.446	0	0.006	1.4715	-383.3	1
45084_5084	45084	5084	23.2305	-31.0485	-0.0045	1.4175	2.361	-2045.52	1
45084_5085	45084	5085	7.8135	4.5405	0.0165	0.3705	1.647	-434.202	1
45085_5085	45085	5085	23.226	-41.8185	-0.0435	-1.9125	2.3145	-2050.95	1
45085_5086	45085	5086	8.3715	4.551	0.0015	-0.4035	1.6635	-485.18	1
45086_5086	45086	5086	23.5035	-35.4825	-0.0495	1.338	1.8255	-1925.59	1
45086_5087	45086	5087	8.3715	4.7835	-0.0315	0.483	1.317	-538.805	1
45087_5087	45087	5087	24.0015	-46.2945	-0.0945	-1.749	1.2675	-1875.93	1
45087_5088	45087	5088	8.3715	4.7835	-0.0465	-0.498	0.801	-592.472	1
45088_5088	45088	5088	25.0845	-22.227	0.0675	0.618	0.3105	-1715.79	1
45088_5089	45088	5089	8.3715	5.163	0.027	0.291	1.1715	-663.324	1
45089_5089	45089	5089	24.4515	-35.073	0.018	-1.329	1.059	-1594.6	1
45089_5090	45089	5090	8.661	5.2635	0.0165	-0.57	1.3035	-705.048	1
45090_5090	45090	5090	23.6835	-28.2555	0.0285	1.182	1.2405	-1452.12	1
45090_5091	45090	5091	8.958	6.285	0.012	0.8325	1.4625	-778.541	1
45091_5091	45091	5091	22.362	-38.8575	-0.018	-1.3485	1.1805	-1313.36	1
45091_5092	45091	5092	8.955	6.537	-0.0075	-0.819	1.293	-866.549	1
45092_5092	45092	5092	19.6335	-43.0035	0.027	0.1185	1.002	-1009.11	1
45092_5093	45092	5093	8.958	7.4715	0.009	0.333	1.455	-960.047	1
45093_5093	45093	5093	17.7075	-53.232	0.003	-0.3705	1.1565	-689.7	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45093_5094	45093	5094	-28.4505	36.6615	0.045	-0.249	-1.4595	-1315.17	1
45094_5094	45094	5094	-55.5585	-0.1035	-0.1305	0.2865	3.225	-541.478	1
45094_5095	45094	5095	21.513	-23.997	0.006	0.24	0.5265	-511.802	1
45095_5095	45095	5095	-48.252	-6.8265	-0.0945	0.132	1.8225	-753.33	1
45095_5096	45095	5096	34.119	-14.556	-0.006	0.033	1.113	-364.517	1
45096_5096	45096	5096	-42.57	-13.5675	-0.0285	-0.879	1.026	-903.243	1
45096_5097	45096	5097	55.3425	-1.7775	0.042	-0.246	-0.7755	-302.942	1
45097_5097	45097	5097	-36.507	-12.8085	-0.042	0.2505	0.75	-1010.85	1
45097_5098	45097	5098	55.35	-0.8985	0.069	0.1935	-0.219	-295.749	1
45098_5098	45098	5098	-30.7965	-20.0415	-0.036	0.339	0.3945	-1134.87	1
45098_5099	45098	5099	53.1675	-0.837	0.0675	0.1935	0.3495	-288.731	1
45099_5099	45099	5099	-25.7535	-28.074	0	-1.0215	0.1245	-1204.95	1
45099_5100	45099	5100	53.1675	-0.837	0.003	-0.156	0.372	-282.038	1
45100_5100	45100	5100	-22.047	-23.1795	0.015	-1.539	0.1035	-1219.76	1
45100_5101	45100	5101	53.1675	-0.051	-0.0105	-0.384	0.306	-281.732	1
45101_5101	45101	5101	-17.508	-13.155	0.0645	-4.0515	0.1725	-1271.53	1
45101_5102	45101	5102	53.1675	-0.051	-0.099	-0.8535	-0.2925	-281.424	1
45102_5102	45102	5102	-18.228	-19.752	-0.048	4.341	0.6	-1292.04	1
45102_5103	45102	5103	53.166	-0.051	0.255	1.0215	1.2345	-281.118	1
45103_5103	45103	5103	-19.47	-26.1495	-0.015	1.7625	0.3915	-1271.1	1
45103_5104	45103	5104	53.1675	-0.051	0.168	0.5685	2.2455	-280.814	1
45104_5104	45104	5104	-21.399	-18.5055	-0.0015	0.9165	0.396	-1220.3	1
45104_5105	45104	5105	51.72	0.9705	-0.0135	0.168	-0.9075	-285.249	1
45105_5105	45105	5105	-24.8955	-27.183	0.0285	-0.435	0.489	-1205.4	1
45105_5106	45105	5106	51.72	0.9705	-0.0765	-0.177	-1.5165	-293.003	1
45106_5106	45106	5106	-29.718	-35.211	0.036	-0.375	0.846	-1135.28	1
45106_5107	45106	5107	51.72	0.9705	-0.078	-0.1875	-2.142	-300.765	1
45107_5107	45107	5107	-35.214	-34.2195	0.0495	0.1695	1.3215	-1011.06	1
45107_5108	45107	5108	35.37	14.508	0.009	0.2115	1.5015	-366.378	1
45108_5108	45108	5108	-41.0985	-41.676	0.0525	0.252	1.8795	-903.255	1
45108_5109	45108	5109	22.1745	23.9325	0.0015	0.219	0.7005	-511.281	1
45109_5109	45109	5109	-46.578	-48.429	0.111	-0.4605	2.5365	-750.647	1
45109_5110	45109	5110	17.6625	36.1005	-0.027	-0.282	-0.3165	-783.812	1
45110_5110	45110	5110	-1.9785	-1.698	-0.0135	0.333	1.737	-359.573	1
45110_5111	45110	5111	9.573	-8.3175	-0.015	0.8895	2.325	-982.215	1
45111_5111	45111	5111	12.5295	-1.7055	-0.039	-0.5025	1.8795	-698.469	1
45111_5112	45111	5112	9.462	-7.9755	-0.0315	-0.717	2.1135	-881.918	1
45112_5112	45112	5112	16.6185	-5.2365	0.0495	0.6045	1.491	-1010.58	1
45112_5113	45112	5113	9.336	-7.02	0.03	0.5235	2.4645	-788.477	1
45113_5113	45113	5113	20.646	-16.3425	0.0195	-0.8745	2.37	-1299.12	1
45113_5114	45113	5114	9.126	-6.7245	0.0165	-0.5415	2.7195	-707.643	1
45114_5114	45114	5114	23.6655	-13.3365	-0.12	0.243	2.94	-1423.9	1
45114_5115	45114	5115	9.2415	-5.7945	-0.0735	0.1395	2.1	-659.907	1
45115_5115	45115	5115	25.0755	-20.7255	-0.135	-0.138	2.0115	-1553.15	1
45115_5116	45115	5116	8.661	-5.67	-0.0735	-0.0585	1.077	-579.267	1
45116_5116	45116	5116	26.148	-17.439	0.108	0.63	0.0255	-1642.88	1
45116_5117	45116	5117	8.661	-5.202	0.0345	0.231	1.461	-520.947	1
45117_5117	45117	5117	26.2035	-27.9165	0.0945	-0.7905	1.2375	-1778.17	1
45117_5118	45117	5118	8.661	-5.202	0.027	-0.2325	1.758	-462.626	1
45118_5118	45118	5118	25.7055	-21.498	-0.0735	0.6435	2.364	-1803.93	1
45118_5119	45118	5119	8.661	-5.01	-0.0285	0.156	1.4325	-406.452	1
45119_5119	45119	5119	25.095	-32.286	-0.0975	-0.8895	1.515	-1906.01	1
45119_5120	45119	5120	8.661	-5.01	-0.036	-0.207	1.0215	-350.279	1
45120_5120	45120	5120	24.5115	-25.191	0.0615	1.9335	0.3705	-1883.76	1
45120_5121	45120	5121	8.661	-4.911	0.0045	0.3345	1.0815	-291.089	1
45121_5121	45121	5121	24.123	-37.0275	0.003	-2.433	1.086	-1949.75	1
45121_5122	45121	5122	11.415	3.2355	-0.024	-0.279	0.3645	-259.703	1
45122_5122	45122	5122	24.0885	-30.654	-0.027	0.6135	1.0575	-1861.36	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45122_5123	45122	5123	11.415	3.3345	0.0135	0.12	0.5205	-297.08	1
45123_5123	45123	5123	24.414	-41.82	-0.0435	-0.879	0.723	-1860.43	1
45123_5124	45123	5124	11.799	3.3405	0.003	-0.1455	0.5565	-334.487	1
45124_5124	45124	5124	25.068	-35.169	0.006	1.1235	0.2445	-1724.31	1
45124_5125	45124	5125	11.8935	3.588	-0.009	0.3195	0.4545	-374.679	1
45125_5125	45125	5125	25.9965	-46.383	-0.0405	-1.539	0.312	-1669.19	1
45125_5126	45125	5126	11.8935	3.588	-0.03	-0.348	0.1155	-414.902	1
45126_5126	45126	5126	28.4835	-22.7835	-0.0075	0.5355	-0.285	-1501.93	1
45126_5127	45126	5127	12.153	4.0635	0.0075	0.216	0.2145	-470.427	1
45127_5127	45127	5127	28.161	-35.955	-0.0435	-1.08	-0.531	-1382.06	1
45127_5128	45127	5128	12.117	4.1655	-0.0075	-0.3735	0.147	-501.63	1
45128_5128	45128	5128	27.48	-28.557	0.012	0.927	-0.7035	-1241.21	1
45128_5129	45128	5129	12.4035	5.2965	-0.0015	0.5895	0.138	-563.603	1
45129_5129	45129	5129	26.1	-39.3495	-0.054	-1.1565	-0.885	-1122.08	1
45129_5130	45129	5130	-25.7085	25.1925	0.0555	-0.36	-0.2115	-748.887	1
45130_5130	45130	5130	22.9035	-42.0795	0.1995	0.141	-1.8705	-835.542	1
45130_5131	45130	5131	-28.056	29.8815	-0.0195	0.42	-0.273	-1076.65	1
45131_5131	45131	5131	20.5065	-52.383	0.192	-0.201	0.462	-550.47	1
45131_5132	45131	5132	-31.9965	40.086	-0.0285	-0.3945	-0.8715	-1499.94	1
45132_5132	45132	5132	-61.614	0.6195	0.159	-1.419	0.2685	-451.113	1
45132_5133	45132	5133	16.5675	-26.1495	-0.027	-0.8565	-0.6345	-504.764	1
45133_5133	45133	5133	-53.355	-6.3015	0.204	-2.961	1.506	-672.737	1
45133_5134	45133	5134	64.7535	-2.9805	-0.4065	-1.572	-4.5255	-351.527	1
45134_5134	45134	5134	-46.8495	-13.2675	-0.4005	6.864	2.7225	-819.165	1
45134_5135	45134	5135	63.0525	-2.8965	0.408	2.9565	-1.269	-328.833	1
45135_5135	45135	5135	-39.9255	-11.5365	0.072	0.4485	-0.6435	-924.812	1
45135_5136	45135	5136	63.0495	-2.163	0.0285	0.216	-1.041	-311.561	1
45136_5136	45136	5136	-33.372	-19.0245	0.1185	-0.7755	-0.1515	-1054.99	1
45136_5137	45136	5137	63.0495	-2.163	-0.051	-0.174	-1.4445	-294.251	1
45137_5137	45137	5137	-27.4425	-27.3375	0.072	0.621	0.753	-1128.04	1
45137_5138	45137	5138	60.753	-2.0985	0.0345	0.198	-1.1625	-277.311	1
45138_5138	45138	5138	-22.8495	-22.1265	-0.06	0.8355	1.245	-1143.27	1
45138_5139	45138	5139	60.753	-1.32	0.087	0.27	-0.642	-269.381	1
45139_5139	45139	5139	-15.4845	-13.344	-0.0135	-0.996	0.6825	-1204.56	1
45139_5140	45139	5140	60.753	-1.32	-0.015	-0.18	-0.729	-261.459	1
45140_5140	45140	5140	-15.687	-20.226	-0.036	1.0695	0.57	-1227.89	1
45140_5141	45140	5141	61.293	-1.317	0.087	0.2565	-0.2145	-253.538	1
45141_5141	45141	5141	-16.431	-26.8935	-0.0075	-0.9975	0.348	-1207.61	1
45141_5142	45141	5142	61.293	-1.317	-0.015	-0.1665	-0.303	-245.639	1
45142_5142	45142	5142	-17.91	-18.7905	0.009	0.0435	0.2955	-1156.02	1
45142_5143	45142	5143	40.545	2.757	0.0345	-0.0105	-0.459	-250.007	1
45143_5143	45143	5143	-20.877	-27.768	0.009	0.0405	0.4155	-1144.5	1
45143_5144	45143	5144	41.1135	2.769	0.0345	-0.0105	-0.186	-272.088	1
45144_5144	45144	5144	-25.2285	-36.0915	0.006	0.042	0.4875	-1074.88	1
45144_5145	45144	5145	41.1135	2.769	0.0345	-0.0105	0.0885	-294.243	1
45145_5145	45145	5145	-30.282	-35.16	-0.0285	-0.177	0.516	-947.862	1
45145_5146	45145	5146	31.9635	16.3245	0.045	-0.219	0.126	-358.466	1
45146_5146	45146	5146	-35.7615	-42.84	-0.0255	-0.2175	0.288	-837.776	1
45146_5147	45146	5147	21.0375	25.641	0.0405	-0.234	0.3015	-517.779	1
45147_5147	45147	5147	-40.9005	-49.7805	-0.0765	0.5505	0.1065	-677.069	1
45147_5148	45147	5148	16.7025	35.475	0.057	0.396	0.7515	-815.733	1
45148_5148	45148	5148	2.1555	-2.2005	-0.0015	0.1515	0.846	-324.747	1
45148_5149	45148	5149	-49.683	-26.829	-0.0015	0.3735	-0.609	-966.437	1
45149_5149	45149	5149	22.128	-1.9905	0.009	-0.2445	-0.192	-632.729	1
45149_5150	45149	5150	22.4265	-9.1845	-0.033	-0.3435	0.6705	-793.637	1
45150_5150	45150	5150	28.5555	-5.685	-0.003	0.1335	0.0495	-926.378	1
45150_5151	45150	5151	22.3665	-7.953	0.0165	0.1335	0.873	-687.878	1
45151_5151	45151	5151	35.01	-16.5675	-0.0075	-0.1275	-0.0045	-1180.55	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45151_5152	45151	5152	22.197	-7.329	0.009	-0.069	1.005	-594.069	1
45152_5152	45152	5152	39.9315	-13.5915	0.0075	0.018	-0.0375	-1284.26	1
45152_5153	45152	5153	22.2735	-6.225	-0.006	0.018	0.96	-542.694	1
45153_5153	45153	5153	42.5265	-20.778	0.0075	0.03	0.045	-1394.84	1
45153_5154	45153	5154	21.9675	-6.0195	-0.0045	0.015	0.9045	-457.404	1
45154_5154	45154	5154	45.237	-18.0255	0.0045	0.0345	0.1605	-1463.34	1
45154_5155	45154	5155	21.9675	-5.622	-0.003	0.0075	0.879	-395.561	1
45155_5155	45155	5155	46.359	-28.656	0.0045	0.0375	0.2205	-1578.23	1
45155_5156	45155	5156	21.9675	-5.622	-0.003	0.0075	0.8535	-333.716	1
45156_5156	45156	5156	46.6815	-23.5635	0.021	0.0435	0.267	-1585.26	1
45156_5157	45156	5157	21.9675	-5.469	0.0015	0	0.8655	-278.973	1
45157_5157	45157	5157	46.7445	-33.6555	0.024	0.0645	0.5055	-1649.06	1
45157_5158	45157	5158	21.2745	-5.463	0.0015	0.003	0.891	-224.345	1
45158_5158	45158	5158	46.6695	-27.681	-0.048	-0.66	0.816	-1610.99	1
45158_5159	45158	5159	22.32	4.7865	-0.006	-0.114	0.654	-248.364	1
45159_5159	45159	5159	47.04	-21.5535	0.012	0.831	0.4005	-1643.55	1
45159_5160	45159	5160	22.32	4.7865	0.0165	0.1335	0.819	-296.276	1
45160_5160	45160	5160	47.1285	-14.8875	-0.0195	0.039	0.5865	-1577.5	1
45160_5161	45160	5161	22.3215	4.989	-0.0105	0.015	0.7065	-351.155	1
45161_5161	45161	5161	46.9815	-26.544	-0.0255	0.036	0.3585	-1567.73	1
45161_5162	45161	5162	22.3215	4.989	-0.0105	0.015	0.5955	-406.032	1
45162_5162	45162	5162	46.032	-20.9835	0.1005	0.3675	-0.0015	-1450.6	1
45162_5163	45162	5163	23.004	5.5245	0.069	0.1455	1.497	-481.802	1
45163_5163	45163	5163	43.815	-34.2345	0.072	-0.6015	1.407	-1378.28	1
45163_5164	45163	5164	22.9575	5.715	0.0525	-0.2175	1.926	-530.303	1
45164_5164	45164	5164	41.826	-27.696	-0.0735	-0.531	2.0235	-1259.89	1
45164_5165	45164	5165	23.1	7.0155	-0.06	-0.3375	1.194	-612.651	1
45165_5165	45165	5165	38.529	-38.1	-0.039	0.585	1.224	-1157.27	1
45165_5166	45165	5166	23.28	7.6545	-0.0345	0.303	0.7245	-720.224	1
45166_5166	45166	5166	33.3045	-42.6585	0.021	0.144	0.561	-886.14	1
45166_5167	45166	5167	-49.287	29.211	-0.0165	0.4035	-1.2435	-1027.04	1
45167_5167	45167	5167	28.8195	-52.6755	0.0045	-0.2565	0.5745	-589.266	1
45167_5168	45167	5168	-51.303	38.5935	0.021	-0.36	-1.0605	-1445.49	1
45168_5168	45168	5168	-51.771	1.329	-0.036	0.201	0.8775	-462.849	1
45168_5169	45168	5169	21.9585	-26.9475	-0.0015	0.303	0.417	-539.262	1
45169_5169	45169	5169	-44.8365	-5.325	0.0225	-0.5655	0.468	-689.091	1
45169_5170	45169	5170	32.571	-17.1165	-0.0345	-0.363	0.3735	-361.427	1
45170_5170	45170	5170	-39.432	-12.0015	-0.018	0.513	0.579	-843.941	1
45170_5171	45170	5171	44.856	-3.6705	0.0675	0.1395	-0.6375	-308.109	1
45171_5171	45171	5171	-33.6405	-11.553	0.0195	-0.7215	0.4485	-959.07	1
45171_5172	45171	5172	44.862	-2.6685	-0.0315	-0.219	-0.8865	-286.751	1
45172_5172	45172	5172	-28.251	-18.834	-0.015	0.465	0.4875	-1089.52	1
45172_5173	45172	5173	44.262	-2.661	0.0255	0.1395	-0.6825	-265.451	1
45173_5173	45173	5173	-23.535	-26.9265	-0.0105	0.4035	0.3195	-1165.77	1
45173_5174	45173	5174	44.262	-2.661	0.0255	0.1395	-0.4845	-244.163	1
45174_5174	45174	5174	-20.205	-22.491	0.012	-0.8445	0.222	-1186.88	1
45174_5175	45174	5175	44.262	-1.815	-0.0255	-0.1695	-0.6405	-233.267	1
45175_5175	45175	5175	-17.925	-13.089	-0.0105	1.0575	0.075	-1240.71	1
45175_5176	45175	5176	44.262	-1.815	0.048	0.219	-0.354	-222.378	1
45176_5176	45176	5176	-17.481	-35.0535	0.015	-0.9945	0.105	-1262.97	1
45176_5177	45176	5177	57.363	1.53	-0.0705	-0.225	0.831	-231.288	1
45177_5177	45177	5177	-17.061	-41.784	-0.015	1.0545	0.147	-1243.01	1
45177_5178	45177	5178	56.715	1.533	0.0255	0.1605	0.9885	-240.483	1
45178_5178	45178	5178	-23.7135	-19.296	-0.0105	0.402	0.0015	-1189.02	1
45178_5179	45178	5179	57.3645	2.4855	-0.015	0.0765	0.861	-260.349	1
45179_5179	45179	5179	-28.1595	-28.0185	-0.0045	0.4275	-0.0855	-1169.2	1
45179_5180	45179	5180	57.3645	2.4855	-0.015	0.0765	0.7395	-280.233	1
45180_5180	45180	5180	-33.939	-36.093	0.036	-0.8835	-0.1695	-1094.52	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45180_5181	45180	5181	57.3645	2.4855	-0.087	-0.273	0.0435	-300.119	1
45181_5181	45181	5181	-40.3455	-35.652	-0.0045	0.456	0.0945	-965.628	1
45181_5182	45181	5182	27.0795	17.1675	0.0225	0.1095	0.129	-355.907	1
45182_5182	45182	5182	-47.1	-43.008	0.048	-0.5535	0.0885	-851.042	1
45182_5183	45182	5183	19.0305	27.021	-0.0165	-0.3615	-0.066	-529.526	1
45183_5183	45183	5183	-53.397	-49.6545	-0.0255	0.318	0.4215	-687.617	1
45183_5184	45183	5184	17.058	37.1385	0	0.312	-0.144	-844.059	1
45184_5184	45184	5184	-11.97	-4.119	-0.0075	-0.135	0.8355	-275.106	1
45184_5185	45184	5185	-39.771	-30.7725	0.0105	-0.4455	0.705	-1034.16	1
45185_5185	45185	5185	17.6595	-0.6495	0.024	0.255	-0.153	-572.42	1
45185_5186	45185	5186	13.791	-7.677	0.0015	0.3465	0.216	-691.784	1
45186_5186	45186	5186	23.0475	-4.506	0.024	-0.1515	0.0675	-886.23	1
45186_5187	45186	5187	13.7535	-6.588	0.0195	-0.0945	0.5055	-604.389	1
45187_5187	45187	5187	28.4325	-14.979	0.0435	0.3375	0.51	-1172.77	1
45187_5188	45187	5188	13.467	-6.1815	0.027	0.1875	0.816	-527.336	1
45188_5188	45188	5188	32.4465	-12.909	0.0075	0.108	1.0605	-1314.47	1
45188_5189	45188	5189	13.5675	-5.1495	0.0075	0.066	0.879	-484.908	1
45189_5189	45189	5189	34.476	-19.8885	0.0105	0.0855	1.2135	-1444.63	1
45189_5190	45189	5190	13.6095	-5.0385	0.0075	0.0525	0.9795	-413.289	1
45190_5190	45190	5190	36.381	-18.1845	0.039	0.1215	1.584	-1552.48	1
45190_5191	45190	5191	13.305	-4.6005	0.0135	0.054	1.1355	-362.657	1
45191_5191	45191	5191	36.963	-28.4355	0.039	0.1275	2.172	-1684.52	1
45191_5192	45191	5192	13.194	-4.5975	0.0135	0.054	1.2855	-312.053	1
45192_5192	45192	5192	36.8655	-24.222	-0.003	0.1695	2.739	-1712.87	1
45192_5193	45192	5193	13.194	-4.4055	0.012	0.0495	1.41	-267.909	1
45193_5193	45193	5193	36.012	-16.5285	0.0105	0.1425	3.141	-1785.82	1
45193_5194	45193	5194	10.5165	4.851	0.027	0.0945	3.189	-256.773	1
45194_5194	45194	5194	35.997	-10.932	0.0525	0.1365	3.3705	-1760.64	1
45194_5195	45194	5195	10.5165	5.0145	0.0465	0.0735	3.66	-307.067	1
45195_5195	45195	5195	36.0555	-21.15	0.057	0.1275	4.029	-1793.11	1
45195_5196	45195	5196	10.5165	5.0145	0.0465	0.0735	4.1295	-357.362	1
45196_5196	45196	5196	36	-15.453	0.033	0.102	4.7205	-1729.03	1
45196_5197	45196	5197	11.5005	5.382	0.0345	0.0405	4.44	-416.447	1
45197_5197	45197	5197	35.73	-26.4855	0.03	0.0915	5.115	-1711.47	1
45197_5198	45197	5198	11.5005	5.382	0.0345	0.0405	4.821	-475.659	1
45198_5198	45198	5198	34.806	-21.9405	0.051	0.06	5.376	-1593.22	1
45198_5199	45198	5199	11.5005	6.1245	0.0345	0.0165	5.289	-559.806	1
45199_5199	45199	5199	32.853	-34.4895	0.051	0.003	5.8725	-1511.97	1
45199_5200	45199	5200	12.1185	6.2595	0.033	-0.024	5.4645	-613.736	1
45200_5200	45200	5200	31.2375	-29.439	0.006	-0.0705	6.0795	-1389.68	1
45200_5201	45200	5201	12.0915	7.5765	0.021	-0.063	5.6895	-702.719	1
45201_5201	45201	5201	28.7325	-39.2925	0.0165	0.0735	5.814	-1264.41	1
45201_5202	45201	5202	12.2535	7.9215	0.024	-0.0135	5.9235	-811.455	1
45202_5202	45202	5202	24.8415	-44.0535	0.0255	-0.2475	5.256	-978.191	1
45202_5203	45202	5203	-38.52	32.778	-0.018	-0.342	-6.6855	-1071.89	1
45203_5203	45203	5203	21.7815	-53.352	0.042	0.0675	5.07	-664.218	1
45203_5204	45203	5204	-40.386	43.083	-0.045	0.6525	-7.3755	-1533.77	1
45204_5204	45204	5204	-62.3925	-0.5025	-0.141	-0.2685	9.45	-561.47	1
45204_5205	45204	5205	26.4165	-27.078	-0.0135	-0.2325	1.6245	-588.032	1
45205_5205	45205	5205	-54.732	-6.7005	-0.1875	0.5685	7.3545	-782.805	1
45205_5206	45205	5206	34.251	-19.6395	-0.0135	0.378	3.1125	-401.351	1
45206_5206	45206	5206	-48.6405	-12.822	-0.12	-0.6225	5.34	-930.572	1
45206_5207	45206	5207	57.5145	-2.61	0.1665	-0.0495	-7.0005	-321.977	1
45207_5207	45207	5207	-42.177	-12.8355	-0.09	-0.0435	3.8355	-1043.94	1
45207_5208	45207	5208	57.516	-1.6395	0.186	0.2085	-5.508	-308.862	1
45208_5208	45208	5208	-36.09	-19.6005	-0.0765	-0.027	2.697	-1169.04	1
45208_5209	45208	5209	57.516	-1.6395	0.186	0.2085	-4.0155	-295.749	1
45209_5209	45209	5209	-30.6525	-27.0945	-0.0645	-0.0195	1.7355	-1246	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45209_5210	45209	5210	57.516	-1.6395	0.186	0.2085	-2.5215	-282.635	1
45210_5210	45210	5210	-26.5455	-24.0105	-0.036	-0.969	0.9855	-1274.63	1
45210_5211	45210	5211	57.516	-0.7305	0.0945	-0.015	-1.956	-278.247	1
45211_5211	45211	5211	-21.6705	-12.7035	-0.0135	1.1325	-0.174	-1330.08	1
45211_5212	45211	5212	57.516	-0.7305	0.1905	0.4485	-0.8145	-273.861	1
45212_5212	45212	5212	-22.563	-19.017	0.033	-1.14	-0.3735	-1352.22	1
45212_5213	45212	5213	60.411	-0.6825	0.093	-0.006	-0.291	-269.597	1
45213_5213	45213	5213	-24.042	-25.1535	0.0045	1.152	-0.267	-1334.55	1
45213_5214	45213	5214	60.411	-0.6825	0.1935	0.4425	0.873	-265.505	1
45214_5214	45214	5214	-26.2755	-19.7175	0.033	0.624	-0.2115	-1288.66	1
45214_5215	45214	5215	63.048	-0.003	0.105	0.363	1.6995	-264.81	1
45215_5215	45215	5215	-30.2385	-27.8235	0.057	-0.84	-0.0735	-1265.3	1
45215_5216	45215	5216	68.232	0.3255	0.0195	0.0345	1.815	-265.412	1
45216_5216	45216	5216	-35.493	-35.313	0.0195	0.6975	0.4035	-1193.66	1
45216_5217	45216	5217	54.7365	11.013	0.048	0.315	1.125	-300.048	1
45217_5217	45217	5217	-41.355	-35.4795	0.009	1.9725	0.7365	-1073.5	1
45217_5218	45217	5218	36.084	18.912	0.336	1.7625	2.97	-411.524	1
45218_5218	45218	5218	-47.5755	-42.225	0.078	1.1085	0.9705	-963.503	1
45218_5219	45218	5219	26.6865	27.027	0.2685	1.2435	4.224	-582.075	1
45219_5219	45219	5219	-53.397	-48.3405	0.45	-3.306	2.1045	-806.124	1
45219_5220	45219	5220	22.008	38.13	0.105	-2.055	4.1925	-890.645	1
45220_5220	45220	5220	12.561	5.9025	-0.045	0.876	2.22	-332.364	1
45220_5221	45220	5221	10.677	-10.0665	-0.135	2.0265	3.507	-1037.91	1
45221_5221	45221	5221	16.95	-1.4925	-0.135	-0.864	1.4295	-731.616	1
45221_5222	45221	5222	10.6095	-9.726	-0.1695	-1.374	1.698	-915.266	1
45222_5222	45222	5222	22.209	-5.4855	0.1605	2.0835	-0.6225	-1056.49	1
45222_5223	45222	5223	10.878	-8.691	0.072	1.734	2.466	-800.004	1
45223_5223	45223	5223	27.711	-15.237	0.012	-2.6835	1.4475	-1348.69	1
45223_5224	45223	5224	10.3155	-8.3235	0.021	-1.605	2.8395	-698.039	1
45224_5224	45224	5224	32.043	-13.9545	0.1605	3.6345	2.0895	-1506.46	1
45224_5225	45224	5225	10.449	-7.2105	0.1125	1.725	3.723	-638.594	1
45225_5225	45225	5225	34.4265	-21.699	0.06	-2.016	3.5835	-1646.53	1
45225_5226	45225	5226	10.137	-7.104	0.075	-0.7545	4.887	-528.6	1
45226_5226	45226	5226	37.3965	-20.7435	0.096	3.363	5.5095	-1772.44	1
45226_5227	45226	5227	10.0065	-6.564	0.0165	1.047	5.0925	-450.77	1
45227_5227	45227	5227	39.7065	-11.6655	0.009	-3.615	8.3355	-1901.28	1
45227_5228	45227	5228	10.0065	-6.564	-0.0255	-0.8535	4.791	-372.945	1
45228_5228	45228	5228	39.855	-8.013	0.2415	4.191	9.117	-1911.15	1
45228_5229	45228	5229	13.5765	6.3645	0.213	0.9915	9.6885	-353.915	1
45229_5229	45229	5229	39.855	-19.2495	0.1065	-3.696	12.7365	-1965.48	1
45229_5230	45229	5230	14.544	6.405	0.1515	-0.504	11.3445	-429.735	1
45230_5230	45230	5230	39.588	-16.3305	0.2685	3.0855	15.0015	-1886.34	1
45230_5231	45230	5231	14.9385	6.8715	0.1785	1.152	13.419	-513.231	1
45231_5231	45231	5231	38.766	-27.6045	0.132	-2.616	18.6765	-1848.57	1
45231_5232	45231	5232	14.9385	6.8715	0.129	-0.531	14.9925	-597.014	1
45232_5232	45232	5232	37.053	-26.6205	-0.2295	2.394	20.5725	-1691.04	1
45232_5233	45232	5233	15.6375	7.7595	-0.1125	1.4955	13.629	-668.118	1
45233_5233	45233	5233	35.349	-34.347	-0.2805	0.1785	18.0555	-1607.64	1
45233_5234	45233	5234	15.5865	7.8615	-0.1365	0.414	12.696	-722.279	1
45234_5234	45234	5234	34.0365	-39.6	-0.3495	-3.225	15.795	-1502.55	1
45234_5235	45234	5235	15.498	8.034	-0.1725	-1.404	11.3355	-784.473	1
45235_5235	45235	5235	31.989	-39.4395	2.079	3.093	13.008	-1348.58	1
45235_5236	45235	5236	15.3615	8.895	1.056	2.7315	17.109	-832.101	1
45236_5236	45236	5236	30.8415	-43.1235	1.983	-0.387	23.667	-1269.83	1
45236_5237	45236	5237	15.5295	9.1605	0.9975	0.036	25.2405	-916.071	1
45237_5237	45237	5237	28.5015	-48.9495	1.8585	-2.7615	39.5655	-1086.52	1
45237_5238	45237	5238	15.4155	9.3705	0.9645	-2.187	31.491	-977.931	1
45238_5238	45238	5238	25.8525	-36.1455	-2.274	2.382	50.769	-918.732	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45238_5239	45238	5239	15.543	13.122	-0.924	2.4165	22.1205	-1106.85	1
45239_5239	45239	5239	24.4965	-43.3365	-2.2605	-0.4485	25.5765	-778.598	1
45239_5240	45239	5240	-44.0175	32.1285	1.7415	-0.981	-11.7255	-1428.34	1
45240_5240	45240	5240	-67.962	-9.2685	1.437	0.4035	-12.0585	-842.682	1
45240_5241	45240	5241	51.2085	-17.7825	0.4425	1.2015	4.6965	-551.576	1
45241_5241	45241	5241	-60.438	-19.6575	1.7565	-3.189	4.965	-1027.02	1
45241_5242	45241	5242	58.2645	-14.9475	0.4395	-1.221	8.5425	-454.599	1
45242_5242	45242	5242	-56.871	-25.1475	1.794	-3.663	14.7765	-1072.73	1
45242_5243	45242	5243	69.1035	-11.5605	0.6645	-1.7085	16.305	-370.967	1
45243_5243	45243	5243	-52.662	-11.238	-1.173	1.662	25.347	-1086.47	1
45243_5244	45243	5244	55.2675	-0.6045	0.771	0.9645	-8.5755	-305.885	1
45244_5244	45244	5244	-46.914	-18.771	-0.9195	-1.9395	12.6855	-1254.59	1
45244_5245	45244	5245	55.269	-0.6045	0.585	-0.063	-2.847	-299.97	1
45245_5245	45245	5245	-42.1335	-22.158	-0.3375	1.9995	2.9985	-1358.18	1
45245_5246	45245	5246	55.272	-0.0495	0.426	0.7485	1.4745	-299.391	1
45246_5246	45246	5246	-37.458	-12.879	-0.0405	-2.1195	-2.91	-1458.49	1
45246_5247	45246	5247	59.5305	0.0795	0.2445	-0.2685	3.7935	-299.882	1
45247_5247	45247	5247	-39.225	-14.8335	-0.285	2.3835	-3.849	-1467.74	1
45247_5248	45247	5248	59.5305	0.672	0.0825	0.798	4.566	-306.036	1
45248_5248	45248	5248	-42.2955	-23.775	-0.1425	-1.8345	-7.239	-1462.99	1
45248_5249	45248	5249	66.3345	1.128	-0.111	-0.147	3.579	-315.498	1
45249_5249	45249	5249	-47.2815	-27.906	-0.24	1.458	-9.0885	-1374.21	1
45249_5250	45249	5250	72.2865	2.3115	-0.3975	0.771	-0.366	-334.007	1
45250_5250	45250	5250	-53.724	-36.4275	-0.0825	-1.5195	-11.853	-1272.34	1
45250_5251	45250	5251	60.2775	13.656	-0.273	-0.1035	1.158	-398.366	1
45251_5251	45251	5251	-60.423	-23.3715	1.8885	2.0775	-11.7855	-1124.05	1
45251_5252	45251	5252	52.6575	15.555	0.6105	1.488	6.7215	-483.312	1
45252_5252	45252	5252	-64.8315	-28.893	1.9335	0.537	-0.1905	-1117.95	1
45252_5253	45252	5253	45.018	19.2375	0.1185	0.636	6.9585	-589.808	1
45253_5253	45253	5253	-69.1215	-34.485	2.0625	-2.0895	11.763	-1081.26	1
45253_5254	45253	5254	40.7295	22.833	-0.318	-0.9345	1.383	-789.374	1
45254_5254	45254	5254	10.1385	-18.7395	2.838	1.9755	25.305	-636.527	1
45254_5255	45254	5255	-43.53	-26.7795	0.4095	-11.25	13.107	-1408.97	1
45255_5255	45255	5255	12.765	-4.224	-2.727	0.8265	32.124	-664.467	1
45255_5256	45255	5256	10.308	-12.915	-2.1945	2.079	0.1995	-1112.86	1
45256_5256	45256	5256	16.599	-13.101	-2.706	-2.0925	-5.532	-921.774	1
45256_5257	45256	5257	10.026	-12.549	-2.304	-2.268	-20.421	-997.911	1
45257_5257	45257	5257	20.607	-2.862	1.0545	3.099	-31.6095	-1034.93	1
45257_5258	45257	5258	10.32	-9.1575	0.6705	3.039	-16.362	-938.213	1
45258_5258	45258	5258	22.8915	-6.636	0.987	1.1115	-25.389	-1194.76	1
45258_5259	45258	5259	10.434	-9.03	0.6435	1.011	-11.4375	-871.014	1
45259_5259	45259	5259	25.566	-11.469	0.8805	-2.5815	-18.726	-1347.52	1
45259_5260	45259	5260	10.5795	-8.8605	0.612	-1.6635	-6.645	-798.311	1
45260_5260	45260	5260	28.287	-11.0895	0.693	5.037	-12.204	-1477.97	1
45260_5261	45260	5261	10.593	-8.1435	0.4185	2.8695	-4.272	-750.098	1
45261_5261	45261	5261	30.1755	-15.0675	0.6315	0.0165	-8.0865	-1595.83	1
45261_5262	45261	5262	10.668	-8.046	0.3795	0.204	-1.7985	-698.562	1
45262_5262	45262	5262	32.088	-19.8105	0.633	-1.5525	-3.693	-1700.91	1
45262_5263	45262	5263	10.11	-7.935	0.3645	-0.5505	2.5245	-602.264	1
45263_5263	45263	5263	35.142	-19.5795	0.195	2.7765	5.427	-1821.32	1
45263_5264	45263	5264	10.1115	-7.3365	0.1125	1.1175	3.8115	-518.474	1
45264_5264	45264	5264	37.53	-28.8315	0.156	-2.1645	8.925	-1954.91	1
45264_5265	45264	5265	10.1115	-7.3365	0.084	-0.3705	4.7865	-433.115	1
45265_5265	45265	5265	39.4335	-27.1545	0.3615	3.7995	12.567	-1996.53	1
45265_5266	45265	5266	9.8865	-6.9345	0.1665	0.9645	6.6765	-352.227	1
45266_5266	45266	5266	43.8585	-16.5525	0.312	-3.2535	21.285	-2063.5	1
45266_5267	45266	5267	24.9915	7.1055	0.2325	-0.2055	16.842	-394.172	1
45267_5267	45267	5267	44.8185	-14.121	0.369	4.9845	25.764	-2016.32	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45267_5268	45267	5268	25.0605	7.5525	0.2685	1.68	19.9125	-481.326	1
45268_5268	45268	5268	45.2835	-24.27	0.1515	-4.125	30.2265	-2003.92	1
45268_5269	45268	5269	25.062	7.5525	0.1485	-0.621	21.618	-568.236	1
45269_5269	45269	5269	44.97	-22.9635	0.4275	4.3245	31.6815	-1888.75	1
45269_5270	45269	5270	25.065	8.2905	0.3285	2.2665	24.531	-641.763	1
45270_5270	45270	5270	44.0685	-30.3885	0.2445	-0.594	34.332	-1832.07	1
45270_5271	45270	5271	25.0665	8.2905	0.2565	0.4095	26.79	-714.93	1
45271_5271	45271	5271	42.813	-37.086	0.129	-4.2495	35.103	-1719.06	1
45271_5272	45271	5272	25.014	8.4495	0.1995	-1.368	28.059	-770.22	1
45272_5272	45272	5272	41.7045	-34.995	1.7865	3.231	34.6695	-1607.23	1
45272_5273	45272	5273	24.9105	9.453	0.8295	2.835	33.9555	-836.738	1
45273_5273	45273	5273	40.2525	-39.915	1.677	0.0915	45.1035	-1501.56	1
45273_5274	45273	5274	24.9315	9.735	0.7755	0.8025	38.9025	-900.446	1
45274_5274	45274	5274	38.913	-43.9665	1.539	-3.5775	53.754	-1387.73	1
45274_5275	45274	5275	24.768	10.149	0.7125	-1.932	46.7685	-1019.72	1
45275_5275	45275	5275	34.464	-33.228	-4.716	1.2135	65.5335	-1133.08	1
45275_5276	45275	5276	24.603	14.0775	-1.8285	2.628	28.434	-1158.59	1
45276_5276	45276	5276	31.3485	-40.5975	-4.917	-2.766	11.6055	-1017.83	1
45276_5277	45276	5277	24.333	14.5245	-1.932	-2.6205	9.627	-1297.42	1
45277_5277	45277	5277	27.291	-34.1175	3.357	-3.7755	-40.7505	-841.149	1
45277_5278	45277	5278	-47.7135	28.188	2.3895	-2.391	-10.0575	-1479.33	1
45278_5278	45278	5278	-66.003	-18.189	1.305	1.911	-5.7525	-1083.69	1
45278_5279	45278	5279	62.4285	-17.256	-0.576	0.0975	10.9395	-579.624	1
45279_5279	45279	5279	-60.483	-26.163	1.782	-1.0035	6.1815	-1142.83	1
45279_5280	45279	5280	71.7225	-14.982	-0.564	-1.374	8.6865	-467.154	1
45280_5280	45280	5280	-56.742	-15.657	-1.05	1.5495	18.3225	-1140.16	1
45280_5281	45280	5281	89.6415	-9.255	0.066	0.4725	13.671	-332.267	1
45281_5281	45281	5281	-50.1825	-25.389	-0.8805	-1.2765	6.0735	-1248.33	1
45281_5282	45281	5282	85.9605	-3.723	-0.15	-0.4575	16.02	-266.667	1
45282_5282	45282	5282	-44.265	-24.15	-0.138	1.38	-4.749	-1217.55	1
45282_5283	45282	5283	56.616	-0.4395	0.4455	0.5325	6.399	-287.394	1
45283_5283	45283	5283	-40.9725	-36.0915	0.1005	-2.0025	-5.355	-1262.41	1
45283_5284	45283	5284	60.726	-0.2505	0.261	-0.363	10.2615	-283.637	1
45284_5284	45284	5284	-40.143	-30.1125	0.345	0.969	-1.917	-1173.49	1
45284_5285	45284	5285	66.819	2.244	-0.348	0.528	7.344	-305.361	1
45285_5285	45285	5285	-50.88	-24.5115	0.2985	-1.35	6.756	-1200.9	1
45285_5286	45285	5286	71.802	2.9805	-0.561	-0.1965	2.0325	-330.948	1
45286_5286	45286	5286	-57.54	-19.434	-0.942	1.983	9.7995	-1131.36	1
45286_5287	45286	5287	69.363	9.6045	0.27	0.9825	3.201	-403.097	1
45287_5287	45287	5287	-66.4545	-30.2595	-0.5775	-1.476	-0.2055	-1133.79	1
45287_5288	45287	5288	53.8035	14.901	0.249	-0.45	6.174	-548.337	1
45288_5288	45288	5288	-75.4875	-21.4845	2.124	3.7395	-3.315	-1028.02	1
45288_5289	45288	5289	50.16	17.7165	0.0465	0.903	7.0185	-618.333	1
45289_5289	45289	5289	-78.675	-24.948	2.1465	2.364	6.1305	-1040.26	1
45289_5290	45289	5290	44.2365	20.3775	-0.4095	-0.5265	2.8455	-803.013	1
45290_5290	45290	5290	2.6835	-9.7575	5.2785	-4.8405	4.239	-713.418	1
45290_5291	45290	5291	1.377	-14.6985	2.4	-2.325	27.978	-1272.88	1
45291_5291	45291	5291	3.729	-6.4215	-4.035	1.401	55.2825	-920.949	1
45291_5292	45291	5292	1.791	-11.8935	-2.4855	2.187	0.8115	-1143.21	1
45292_5292	45292	5292	4.206	-14.3925	-3.9045	-2.661	8.619	-1175.6	1
45292_5293	45292	5293	2.0025	-11.778	-2.511	-2.1435	-23.349	-1028.47	1
45293_5293	45293	5293	5.3505	-7.3635	0.738	3.24	-30.015	-1342.2	1
45293_5294	45293	5294	2.337	-8.2035	0.5505	2.6085	-19.566	-968.754	1
45294_5294	45294	5294	5.823	-12.615	0.687	0.426	-24.9735	-1536.09	1
45294_5295	45294	5295	2.484	-8.16	0.5445	0.4725	-15.3315	-905.966	1
45295_5295	45295	5295	7.146	3.2235	0.525	-3.006	-20.2605	-1708.83	1
45295_5296	45295	5296	2.541	-8.112	0.54	-1.578	-10.929	-839.351	1
45296_5296	45296	5296	7.3275	8.868	0.492	3.843	-15.6285	-1862.88	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
45296_5297	45296	5297	2.541	-6.5535	0.249	1.686	-9.894	-812.241	1
45297_5297	45297	5297	7.404	5.22	0.4785	1.7805	-13.4355	-1970.09	1
45297_5298	45297	5298	2.541	-6.5535	0.246	0.801	-7.611	-752.213	1
45298_5298	45298	5298	7.542	-2.7885	0.438	-3.141	-8.7135	-2167.23	1
45298_5299	45298	5299	2.3685	-6.4845	0.2385	-0.9825	-5.514	-692.285	1
45299_5299	45299	5299	7.6515	3.687	0.0045	4.9875	-4.704	-2283.89	1
45299_5300	45299	5300	2.367	-5.5485	0.0495	1.47	-4.938	-627.597	1
45300_5300	45300	5300	7.779	-6.3075	-0.018	-4.299	-4.602	-2487.34	1
45300_5301	45300	5301	2.367	-5.5485	0.0405	-0.963	-4.4385	-558.825	1
45301_5301	45301	5301	7.8975	-1.0605	0.1275	5.076	-4.611	-2568.91	1
45301_5302	45301	5302	2.328	-4.7655	0.09	1.092	-3.3255	-499.238	1
45302_5302	45302	5302	7.995	-11.7015	0.0915	-5.001	-2.877	-2703.56	1
45302_5303	45302	5303	2.328	-4.7655	0.081	-0.8265	-2.388	-444.239	1
45303_5303	45303	5303	8.0505	-5.1915	0.0345	5.6805	-1.737	-2701.41	1
45303_5304	45303	5304	2.1345	-4.26	0.0795	0.9165	-1.41	-388.626	1
45304_5304	45304	5304	8.004	-37.947	0.0105	-6.129	-1.227	-2785.54	1
45304_5305	45304	5305	2.1345	-4.26	0.0705	-0.7695	-0.639	-341.558	1
45305_5305	45305	5305	8.0565	-31.242	0.1455	4.2255	-1.2645	-2733.67	1
45305_5306	45305	5306	2.1345	-3.9405	0.117	0.5835	0.774	-294.084	1
45306_5306	45306	5306	8.0565	-41.064	0.114	-4.047	0.246	-2746.54	1
45306_5307	45306	5307	2.103	-3.9375	0.1095	-0.372	2.088	-246.881	1
45307_5307	45307	5307	7.965	-35.5965	0.0645	4.767	1.278	-2616.38	1
45307_5308	45307	5308	1.8585	-3.7335	0.072	0.4935	2.8995	-202.221	1
45308_5308	45308	5308	7.737	-45.7695	0.0285	-4.5915	1.6275	-2535.06	1
45308_5309	45308	5309	1.8225	-3.729	0.0645	-0.306	3.6885	-156.771	1
45309_5309	45309	5309	7.2975	-42.9255	-0.0315	3.5805	1.4715	-2284.71	1
45309_5310	45309	5310	1.401	-3.495	0.5505	0.246	10.2855	-114.227	1
45310_5310	45310	5310	6.582	-54.8655	-0.1125	-3.4575	-0.0735	-2016.03	1
45310_5311	45310	5311	0.528	-3.303	0.3645	-0.1755	12.2685	-73.0905	1
45311_5311	45311	5311	6.1335	-66.945	0.0975	1.38	-1.9575	-1528.7	1
45311_5312	45311	5312	-1.638	-2.409	0.018	0.2595	-0.2715	-36.7875	1
45312_5312	45312	5312	4.761	-82.128	0.087	-2.2455	-0.9495	-858.704	1
45312_5313	45312	5313	-8.0565	26.2695	0.432	0.8445	0	-51.855	1

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95

For : Cleveland Innerbelt		Sheet No. :	
Made by : DJG	Date : 5/9/2012	Job No. :	49633
Checked by : SJL	Date : 5/10/2012		
Backchecked by : DJG	Date : 5/10/2012		



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		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.25	1.50	1.75	1.75	1.00			0.50	1.00
	Min.	0.90	0.65	1.75	1.75	1.00			0.50	1.00
	Max.	1.25	1.50	1.75	1.75	1.00			0.50	
	Min.	0.90	0.65	1.75	1.75	1.00			0.50	
Strength III	Max.	1.25	1.50			1.00	1.40		0.50	1.00
	Min.	0.90	0.65			1.00	1.40		0.50	1.00
	Max.	1.25	1.50			1.00	1.40		0.50	
	Min.	0.90	0.65			1.00	1.40		0.50	
Strength IV	Max.	1.50	1.50			1.00			0.50	
	Min.	0.90	0.65			1.00			0.50	
Strength V	Max.	1.25	1.50	1.35	1.35	1.00	0.40	1.00	0.50	1.00
	Min.	0.90	0.65	1.35	1.35	1.00	0.40	1.00	0.50	1.00
	Max.	1.25	1.50	1.35	1.35	1.00	0.40	1.00	0.50	
	Min.	0.90	0.65	1.35	1.35	1.00	0.40	1.00	0.50	

$$\begin{aligned} \eta_i &= 1.05 \\ \eta_r &= 1 \\ \eta_d &= 1 \\ \eta_{total} &= 1.050 \end{aligned}$$

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95
	Max.	1.31	1.58	1.84	1.84	1.05			0.00	
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	
Strength III	Max.	1.31	1.58			1.05	1.47		0.53	1.05
	Min.	0.86	0.62			0.95	1.33		0.48	0.95
	Max.	1.31	1.58			1.05	1.47		0.53	
	Min.	0.86	0.62			0.95	1.33		0.48	
Strength IV	Max.	1.58	1.58			1.05			0.53	
	Min.	0.86	0.62			0.95			0.48	
Strength V	Max.	1.31	1.58	1.42	1.42	1.05	0.42	1.05	0.53	1.05
	Min.	0.86	0.62	1.29	1.29	0.95	0.38	0.95	0.48	0.95
	Max.	1.31	1.58	1.42	1.42	1.05	0.42	1.05	0.53	
	Min.	0.86	0.62	1.29	1.29	0.95	0.38	0.95	0.48	

Fatigue I	Max/Min	1.5								
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P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
1000	1.00	1000	1.00
1017	1.06	1017	1.06
1018	1.02	1018	1.03
1019	1.01	1019	1.02
1020	1.00	1021	1.00
1021	1.00	1036	1.01
1036	1.02	1037	1.02
1037	1.02	1039	1.03
1038	1.02	1040	1.05
1039	1.03	1041	1.07
1040	1.04	1042	1.00
1041	1.06	1051	1.15
1042	1.00	1052	1.06
1051	1.13	1053	1.03
1052	1.06	1054	1.02
1053	1.03	1055	1.01
1055	1.01	1057	1.00
1056	1.00	1072	1.01
1090	1.03	1075	1.03
1091	1.02	1077	1.00
1092	1.01	1089	1.08
1095	1.00	1091	1.02
1110	1.01	1094	1.00
1112	1.02	1110	1.01
1113	1.03	1113	1.03
1114	1.05	1115	1.11
1115	1.10	1116	1.00
1116	1.00	1129	1.07
1127	1.06	1130	1.04
1130	1.03	1131	1.03
1133	1.00	1133	1.00
1163	1.01	1184	1.02
1168	1.00	1185	1.03
1184	1.02	1186	1.04
1185	1.03	1187	1.08
1186	1.04	1189	1.00
1187	1.08	1199	1.03

P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
1189	1.00	1202	1.02
1199	1.03	1203	1.01
1202	1.02	1205	1.00
1203	1.01	1222	1.01
1205	1.00	1224	1.03
1222	1.01	1225	1.00
1224	1.04	1234	1.03
1225	1.00	1238	1.01
1234	1.03	1241	1.00
1236	1.02	1255	1.01
1237	1.01	1257	1.02
1241	1.00	1258	1.03
1253	1.01	1259	1.05
1257	1.02	1261	1.00
1258	1.03	1272	1.07
1259	1.04	1274	1.04
1261	1.00	1275	1.03
1272	1.05	1277	1.02
1276	1.03	1279	1.00
1277	1.02	1291	1.02
1279	1.02	1292	1.02
1280	1.00	1293	1.03
1291	1.01	1294	1.05
1292	1.02	1295	1.14
1294	1.03	1296	1.00
1295	1.05	1313	1.00
1296	1.08		
1298	1.00	3000	1.00
1313	1.00	3017	1.06
3000	1.00	3018	1.03
3017	1.06	3019	1.02
3018	1.02	3021	1.00
3019	1.01	3036	1.01
3020	1.00	3037	1.02
3021	1.00	3039	1.03
3036	1.02	3040	1.05
3037	1.02	3041	1.07

P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
3038	1.02	3042	1.00
3039	1.03	3051	1.15
3040	1.04	3052	1.06
3041	1.06	3053	1.03
3042	1.00	3054	1.02
3051	1.13	3055	1.01
3052	1.06	3057	1.00
3053	1.03	3072	1.01
3055	1.01	3075	1.03
3056	1.00	3077	1.00
3090	1.03	3089	1.08
3091	1.02	3091	1.02
3092	1.01	3094	1.00
3095	1.00	3110	1.01
3110	1.01	3113	1.03
3112	1.02	3115	1.11
3113	1.03	3116	1.00
3114	1.05	3129	1.07
3115	1.10	3130	1.04
3116	1.00	3131	1.03
3127	1.06	3133	1.00
3130	1.03	3184	1.02
3133	1.00	3185	1.03
3163	1.01	3186	1.04
3168	1.00	3187	1.08
3184	1.02	3189	1.00
3185	1.03	3199	1.03
3186	1.04	3202	1.02
3187	1.08	3203	1.01
3189	1.00	3205	1.00
3199	1.03	3222	1.01
3202	1.02	3224	1.03
3203	1.01	3225	1.00
3205	1.00	3234	1.03
3222	1.01	3238	1.01
3224	1.04	3241	1.00
3225	1.00	3255	1.01

P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
3235	1.03	3257	1.02
3236	1.02	3258	1.03
3237	1.01	3259	1.05
3240	1.00	3262	1.00
3255	1.01	3272	1.07
3257	1.02	3274	1.04
3258	1.03	3276	1.03
3259	1.04	3279	1.02
3262	1.00	3280	1.00
3272	1.05	3293	1.02
3276	1.03	3294	1.02
3277	1.02	3295	1.03
3280	1.00	3296	1.05
3293	1.01	3297	1.14
3294	1.02	3298	1.00
3296	1.03	3316	1.00
3297	1.05		
3298	1.08	5000	1.00
3300	1.00	5017	1.06
3316	1.00	5018	1.03
5000	1.00	5019	1.02
5017	1.06	5021	1.00
5018	1.02	5036	1.01
5019	1.01	5037	1.02
5020	1.00	5039	1.03
5021	1.00	5040	1.05
5036	1.02	5041	1.07
5037	1.02	5042	1.00
5038	1.02	5051	1.15
5039	1.03	5052	1.06
5040	1.04	5053	1.03
5041	1.06	5054	1.02
5042	1.00	5055	1.01
5051	1.13	5057	1.00
5052	1.06	5072	1.01
5053	1.03	5075	1.03
5055	1.01	5077	1.00

P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
5056	1.00	5089	1.08
5090	1.03	5091	1.02
5091	1.02	5094	1.00
5092	1.01	5110	1.01
5095	1.00	5113	1.03
5110	1.01	5115	1.11
5112	1.02	5116	1.00
5113	1.03	5129	1.07
5114	1.05	5130	1.04
5115	1.10	5131	1.03
5116	1.00	5133	1.00
5127	1.06	5184	1.02
5130	1.03	5185	1.03
5133	1.00	5186	1.04
5163	1.01	5187	1.08
5168	1.00	5189	1.00
5184	1.02	5199	1.03
5185	1.03	5202	1.02
5186	1.04	5203	1.01
5187	1.08	5205	1.00
5189	1.00	5222	1.01
5199	1.03	5224	1.04
5202	1.02	5225	1.00
5203	1.01	5233	1.03
5205	1.00	5237	1.01
5222	1.01	5240	1.00
5224	1.04	5255	1.01
5225	1.00	5256	1.02
5234	1.03	5258	1.03
5235	1.02	5259	1.05
5236	1.01	5262	1.00
5239	1.00	5271	1.07
5254	1.01	5273	1.04
5256	1.02	5275	1.03
5258	1.03	5278	1.02
5259	1.04	5279	1.00
5262	1.00	5290	1.02

P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
5271	1.05	5291	1.02
5275	1.03	5292	1.03
5276	1.02	5293	1.05
5278	1.00	5294	1.14
5290	1.01	5295	1.00
5291	1.02	5313	1.00
5293	1.03		
5294	1.05	7000	1.00
5295	1.08	7017	1.06
5297	1.00	7018	1.03
5313	1.00	7019	1.02
7000	1.00	7021	1.00
7017	1.06	7036	1.01
7018	1.02	7037	1.02
7019	1.01	7039	1.03
7020	1.00	7040	1.05
7021	1.00	7041	1.07
7036	1.02	7042	1.00
7037	1.02	7051	1.15
7038	1.02	7052	1.06
7039	1.03	7053	1.03
7040	1.04	7054	1.02
7041	1.06	7055	1.01
7042	1.00	7057	1.00
7051	1.13	7072	1.01
7052	1.06	7075	1.03
7053	1.03	7077	1.00
7055	1.01	7089	1.08
7056	1.00	7091	1.02
7090	1.03	7094	1.00
7091	1.02	7110	1.01
7092	1.01	7113	1.03
7095	1.00	7115	1.11
7110	1.01	7116	1.00
7112	1.02	7129	1.07
7113	1.03	7130	1.04
7114	1.05	7131	1.03

P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
7115	1.10	7133	1.00
7116	1.00	7184	1.02
7127	1.06	7185	1.03
7130	1.03	7186	1.04
7133	1.00	7187	1.08
7163	1.01	7189	1.00
7168	1.00	7199	1.03
7184	1.02	7202	1.02
7185	1.03	7203	1.01
7186	1.04	7205	1.00
7187	1.08	7222	1.01
7189	1.00	7224	1.03
7199	1.03	7225	1.00
7202	1.02	7233	1.03
7203	1.01	7237	1.01
7205	1.00	7240	1.00
7222	1.01	7253	1.01
7224	1.04	7255	1.02
7225	1.00	7256	1.03
7234	1.03	7257	1.05
7235	1.02	7260	1.00
7236	1.01	7269	1.07
7239	1.00	7270	1.04
7253	1.01	7272	1.03
7255	1.02	7275	1.02
7256	1.03	7276	1.00
7257	1.04	7288	1.02
7260	1.00	7289	1.02
7269	1.05	7290	1.03
7272	1.03	7291	1.05
7273	1.02	7292	1.14
7275	1.00	7293	1.00
7288	1.01	7311	1.00
7289	1.02		
7291	1.03	9000	1.00
7292	1.05	9017	1.06
7293	1.08	9018	1.03

P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
7295	1.00	9019	1.02
7311	1.00	9021	1.00
9000	1.00	9036	1.01
9017	1.06	9037	1.02
9018	1.02	9039	1.03
9019	1.01	9040	1.05
9020	1.00	9041	1.07
9021	1.00	9042	1.00
9036	1.02	9051	1.15
9037	1.02	9052	1.06
9038	1.02	9053	1.03
9039	1.03	9054	1.02
9040	1.04	9055	1.01
9041	1.06	9057	1.00
9042	1.00	9072	1.01
9051	1.13	9075	1.03
9052	1.06	9077	1.00
9053	1.03	9089	1.08
9055	1.01	9091	1.02
9056	1.00	9094	1.00
9090	1.03	9110	1.01
9091	1.02	9113	1.03
9092	1.01	9115	1.11
9095	1.00	9116	1.00
9110	1.01	9129	1.07
9112	1.02	9130	1.04
9113	1.03	9131	1.03
9114	1.05	9133	1.00
9115	1.10	9184	1.02
9116	1.00	9185	1.03
9127	1.06	9186	1.04
9130	1.03	9187	1.08
9133	1.00	9189	1.00
9163	1.01	9199	1.03
9168	1.00	9202	1.02
9184	1.02	9203	1.01
9185	1.03	9205	1.00

P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
9186	1.04	9222	1.01
9187	1.08	9224	1.03
9189	1.00	9225	1.00
9199	1.03	9232	1.03
9202	1.02	9236	1.01
9203	1.01	9240	1.00
9205	1.00	9254	1.01
9222	1.01	9256	1.02
9224	1.04	9257	1.03
9225	1.00	9259	1.05
9232	1.03	9261	1.00
9233	1.02	9269	1.07
9235	1.01	9270	1.04
9239	1.00	9272	1.03
9254	1.01	9275	1.02
9255	1.02	9276	1.00
9256	1.03	9288	1.02
9258	1.04	9289	1.02
9261	1.00	9290	1.03
9269	1.04	9291	1.05
9272	1.03	9292	1.14
9273	1.02	9293	1.00
9275	1.00	9312	1.00
9288	1.01		
9289	1.02		
9291	1.03		
9292	1.05		
9293	1.08		
9295	1.00		
9312	1.00		

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1	2	3	4	5	6	7	8	9
1000_1000	1000	1000	61.084	425.706	0.167	-7.634	0	-342.56
1000_1001	1000	1001	-18.947	-368.878	-0.167	7.634	-2.847	6904.883
1001_1001	1001	1001	18.942	368.872	0.163	4.746	2.847	-6904.86
1001_1002	1001	1002	3.009	-332.603	-0.163	-4.746	-4.616	10610.65
1002_1002	1002	1002	-3.06	308.045	0.656	-7.173	4.616	-10609.8
1002_1003	1002	1003	22.617	-267.3	-0.656	7.173	-12.615	14027.68
1003_1003	1003	1003	-22.616	267.295	0.654	3.549	12.615	-14027.7
1003_1004	1003	1004	37.314	-226.546	-0.654	-3.549	-20.593	16971.39
1004_1004	1004	1004	-37.26	206.176	0.53	-9.016	20.593	-16970.1
1004_1005	1004	1005	50.513	-165.416	-0.53	9.016	-27.052	19175.77
1005_1005	1005	1005	-50.514	165.41	0.528	5.742	27.052	-19175.8
1005_1006	1005	1006	58.905	-124.646	-0.528	-5.742	-33.488	20906.85
1006_1006	1006	1006	-58.909	100.406	0.093	-9.307	33.488	-20905.6
1006_1007	1006	1007	65.457	-59.664	-0.093	9.307	-34.621	21851.95
1007_1007	1007	1007	-65.457	59.659	0.091	7.546	34.621	-21852
1007_1008	1007	1008	67.146	-18.913	-0.091	-7.546	-35.731	22324
1008_1008	1008	1008	-67.137	-5.96	0.362	-7.476	35.731	-22323.2
1008_1009	1008	1009	67.349	46.685	-0.362	7.476	-40.144	22002.27
1009_1009	1009	1009	-67.349	-46.69	0.361	7.437	40.144	-22002.3
1009_1010	1009	1010	62.7	87.452	-0.361	-7.437	-44.543	21206.52
1010_1010	1010	1010	-62.699	-112.299	0.007	-15.253	44.543	-21206.1
1010_1011	1010	1011	56.461	153.036	-0.007	15.253	-44.633	19618.62
1011_1011	1011	1011	-56.461	-153.041	0.003	16.718	44.633	-19618.6
1011_1012	1011	1012	45.374	193.753	-0.003	-16.718	-44.675	17558.33
1012_1012	1012	1012	-45.375	-219.391	-0.672	6.802	44.675	-17558.3
1012_1013	1012	1013	31.917	260.14	0.672	-6.802	-36.483	14697.74
1013_1013	1013	1013	-31.918	-260.145	-0.67	-4.358	36.483	-14697.7
1013_1014	1013	1014	13.602	300.89	0.67	4.358	-28.315	11363.09
1014_1014	1014	1014	-13.599	-326.189	0.401	3.921	28.315	-11363.1
1014_1015	1014	1015	-16.129	382.109	-0.401	-3.921	-35.018	5575.598
1015_1015	1015	1015	14.334	-380.921	0.426	-2.627	35.965	-5535.78
1015_1016	1015	1016	-35.339	406.886	-0.426	2.626	-39.477	2365.218
1016_1016	1016	1016	70.952	-427.977	3.518	-0.432	32.669	-2496.97
1016_1017	1016	1017	-100.649	465.203	-3.518	0.408	-74.01	-2621.76
1017_1017	1017	1017	113.585	-463.128	3.522	1.099	74.186	2621.383
1017_1018	1017	1018	-142.056	507.983	-3.522	-1.139	-120.948	-8913.6
1018_1018	1018	1018	157.737	-523.548	-2.747	-10.212	120.212	8913.845
1018_1019	1018	1019	-177.157	567.848	2.747	10.278	-85.749	-15611.7
1019_1019	1019	1019	192.519	-564.808	-2.742	12.222	88.356	15612.44
1019_1020	1019	1020	-206.271	611.733	2.742	-12.149	-53.824	-22865.5
1020_1020	1020	1020	-2136.8	174.482	-4.908	-3.276	160.034	3992.955
1020_1021	1020	1021	2156.538	-143.779	4.908	3.276	-113.397	-2560.13
1021_1021	1021	1021	-2151.54	143.685	-2.235	-0.439	111.445	2535.748
1021_1022	1021	1022	2165.974	-120.764	2.235	0.439	-94.122	-1569.01
1022_1022	1022	1022	-2165.98	120.752	0.53	1.443	94.122	1569.008
1022_1023	1022	1023	2178.192	-97.834	-0.53	-1.443	-98.232	-771.2
1023_1023	1023	1023	-2178.17	79.049	-10.622	-0.487	98.232	771.186
1023_1024	1023	1024	2188.377	-55.39	10.622	0.487	-13.262	-274.519
1024_1024	1024	1024	-2188.38	55.378	-10.622	-0.487	13.262	274.519
1024_1025	1024	1025	2196.23	-31.718	10.622	0.487	71.708	42.275
1025_1025	1025	1025	-2196.24	28.327	-7.942	-0.422	-71.708	-42.275
1025_1026	1025	1026	2199.335	-4.67	7.942	0.422	135.231	161.813

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1026_1026	1026	1026	-2199.34	-12.373	-5.022	-0.498	-135.231	-161.806
1026_1027	1026	1027	2200.484	30.108	5.022	0.498	165.347	29.836
1027_1027	1027	1027	-2200.49	-30.117	-1.057	-0.329	-165.347	-29.835
1027_1028	1027	1028	2200.308	47.878	1.057	0.329	171.694	-203.622
1028_1028	1028	1028	-2200.31	-47.887	-1.446	-0.388	-171.694	203.622
1028_1029	1028	1029	2198.8	65.619	1.446	0.388	180.366	-537.806
1029_1029	1029	1029	-2198.8	-65.628	-1.057	-0.27	-180.366	537.806
1029_1030	1029	1030	2195.962	83.389	1.057	0.27	186.713	-973.826
1030_1030	1030	1030	-2195.95	-100.091	7.812	-0.319	-186.713	973.822
1030_1031	1030	1031	2190.59	123.738	-7.812	0.319	124.253	-1847.06
1031_1031	1031	1031	-2190.59	-123.75	8.099	-0.066	-124.253	1847.063
1031_1032	1031	1032	2182.864	147.426	-8.099	0.066	59.422	-2901.4
1032_1032	1032	1032	-2182.87	-147.438	7.812	-0.452	-59.422	2901.403
1032_1033	1032	1033	2172.792	171.085	-7.812	0.452	-3.039	-4134.22
1033_1033	1033	1033	-2172.84	-188.046	-5.68	-25.114	3.039	4134.363
1033_1034	1033	1034	2160.935	210.974	5.68	25.114	40.998	-5633.19
1034_1034	1034	1034	-2160.94	-210.986	-2.913	-18.059	-40.998	5633.217
1034_1035	1034	1035	2146.818	233.911	2.913	18.059	63.576	-7300.73
1035_1035	1035	1035	-2152.48	-234.007	17.887	49.971	-62.827	7328.618
1035_1036	1035	1036	2133.158	264.709	-17.887	-49.971	-107.131	-9620.3
1036_1036	1036	1036	171.928	502.318	2.088	-10.506	-9.731	30048.65
1036_1037	1036	1037	-162.468	-455.382	-2.088	10.547	-16.556	-24148.7
1037_1037	1037	1037	150.083	457.429	2.12	7.48	14.604	24147.96
1037_1038	1037	1038	-136.231	-413.085	-2.12	-7.443	-41.213	-18808.4
1038_1038	1038	1038	123.935	401.423	-3.067	-3.259	41.999	18809
1038_1039	1038	1039	-102.794	-356.578	3.067	3.229	-1.313	-13908.1
1039_1039	1039	1039	599.161	351.545	-1.282	1.386	17.244	11190.73
1039_1040	1039	1040	-590.783	-314.003	1.282	-1.353	-2.171	-7428.24
1040_1040	1040	1040	584.207	299.669	0.333	-0.085	2.255	7429.44
1040_1041	1040	1041	-552.452	-273.761	-0.333	0.073	-5.002	-5229.42
1041_1041	1041	1041	637.119	275.606	0.065	-0.554	9.097	4801.733
1041_1042	1041	1042	-539.262	-228.992	-0.065	0.554	-10.159	-1117.36
1042_1042	1042	1042	539.261	207.661	-0.056	2.003	10.159	1117.398
1042_1043	1042	1043	-471.831	-173.416	0.056	-2.003	-9.492	867.199
1043_1043	1043	1043	471.831	173.422	-0.007	-2.525	9.492	-867.199
1043_1044	1043	1044	-410.151	-139.179	0.007	2.525	-9.408	2464.418
1044_1044	1044	1044	410.163	114.454	0.168	2.744	9.408	-2464.47
1044_1045	1044	1045	-354.549	-80.216	-0.168	-2.744	-11.415	3378.91
1045_1045	1045	1045	354.549	80.222	0.216	-2.907	11.415	-3378.91
1045_1046	1045	1046	-304.68	-45.986	-0.216	2.907	-14.004	3906.205
1046_1046	1046	1046	304.688	23.211	-0.165	2.502	14.004	-3906.31
1046_1047	1046	1047	-257.139	11.049	0.165	-2.502	-12.021	3759.657
1047_1047	1047	1047	257.139	-11.044	-0.121	-2.19	12.021	-3759.66
1047_1048	1047	1048	-215.375	45.273	0.121	2.19	-10.577	3226.041
1048_1048	1048	1048	215.38	-67.405	0.007	3.106	10.577	-3226.1
1048_1049	1048	1049	-176.471	101.661	-0.007	-3.106	-10.665	2027.902
1049_1049	1049	1049	176.472	-101.655	0.101	-2.36	10.665	-2027.9
1049_1050	1049	1050	-143.341	135.877	-0.101	2.36	-11.875	443.893
1050_1050	1050	1050	143.332	-156.434	-0.179	-0.365	11.875	-443.872
1050_1051	1050	1051	-103.862	203.006	0.179	0.365	-8.962	-2682.52
1051_1051	1051	1051	104.226	-201.911	-0.114	2.883	8.67	2692.839
1051_1052	1051	1052	-89.103	226.134	0.114	-2.887	-7.731	-4538.71
1052_1052	1052	1052	94.697	-243.358	1.114	-2.682	7.613	4539.644

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1052_1053	1052	1053	-78.028	278.312	-1.114	2.705	-20.71	-7714.31
1053_1053	1053	1053	79.671	-276.913	2.529	6.934	22.725	7748.339
1053_1054	1053	1054	-78.028	321.273	-2.529	-6.951	-56.298	-11762.1
1054_1054	1054	1054	88.495	-334.413	-1.627	-4.898	55.552	11764.51
1054_1055	1054	1055	-93.803	378.003	1.627	4.945	-35.136	-16242.3
1055_1055	1055	1055	104.21	-375.29	-1.577	8.795	36.716	16245.45
1055_1056	1055	1056	-114.29	421.203	1.577	-8.744	-16.848	-21235.3
1056_1056	1056	1056	-1765.9	244.268	-2.578	-2.205	63.762	6415.015
1056_1057	1056	1057	1793.213	-213.897	2.578	2.205	-39.271	-4353.1
1057_1057	1057	1057	-1794.32	213.89	-1.178	1.173	39.769	4324.245
1057_1058	1057	1058	1814.379	-189.589	1.178	-1.173	-30.641	-2845.63
1058_1058	1058	1058	-1814.38	189.59	-1.178	1.173	30.641	2845.629
1058_1059	1058	1059	1832.348	-165.288	1.178	-1.173	-21.514	-1546.88
1059_1059	1059	1059	-1832.42	147.546	-9.42	-1.048	21.514	1546.908
1059_1060	1059	1060	1848.705	-122.429	9.42	1.048	53.909	-535.254
1060_1060	1060	1060	-1848.72	119.042	-7.109	0.501	-53.909	535.252
1060_1061	1060	1061	1860.477	-93.958	7.109	-0.501	110.753	265.307
1061_1061	1061	1061	-1860.49	93.959	-4.489	1.344	-110.753	-265.31
1061_1062	1061	1062	1870.026	-68.845	4.489	-1.344	146.687	874.835
1062_1062	1062	1062	-1870	52.496	-2.799	0.539	-146.687	-874.839
1062_1063	1062	1063	1876.033	-33.668	2.799	-0.539	163.484	1106.318
1063_1063	1063	1063	-1876.04	33.669	0.293	0.478	-163.484	-1106.32
1063_1064	1063	1064	1880.807	-14.874	-0.293	-0.478	161.731	1229.714
1064_1064	1064	1064	-1880.81	14.875	0.491	0.467	-161.731	-1229.71
1064_1065	1064	1065	1884.332	3.951	-0.491	-0.467	158.785	1245.462
1065_1065	1065	1065	-1884.33	-3.951	3.781	0.351	-158.785	-1245.46
1065_1066	1065	1066	1886.595	22.775	-3.781	-0.351	136.098	1153.284
1066_1066	1066	1066	-1886.57	-39.421	5.433	0.277	-136.098	-1153.3
1066_1067	1066	1067	1888.029	64.531	-5.433	-0.277	92.61	727.586
1067_1067	1067	1067	-1888.02	-64.53	7.9	0.946	-92.61	-727.588
1067_1068	1067	1068	1887.248	89.638	-7.9	-0.946	29.381	109.898
1068_1068	1068	1068	-1887.25	-89.638	7.758	0.861	-29.381	-109.898
1068_1069	1068	1069	1884.246	114.714	-7.758	-0.861	-32.632	-698.661
1069_1069	1069	1069	-1884.32	-131.891	3.632	-0.191	32.632	698.698
1069_1070	1069	1070	1879.258	156.211	-3.632	0.191	-60.79	-1798.83
1070_1070	1070	1070	-1879.26	-156.21	3.632	-0.191	60.79	1798.826
1070_1071	1070	1071	1872.101	180.53	-3.632	0.191	-88.947	-3079.09
1071_1071	1071	1071	-1869.92	-180.54	5.096	3.018	91.072	3104.159
1071_1072	1071	1072	1858.312	210.893	-5.096	-3.018	-139.454	-4920.11
1072_1072	1072	1072	73.881	470.058	0.814	-6.098	31.518	19388.29
1072_1073	1072	1073	-35.127	-424.499	-0.814	6.155	-41.78	-13933.2
1073_1073	1073	1073	23.556	427.217	0.856	5.287	40.441	13931.22
1073_1074	1073	1074	20.749	-384.062	-0.856	-5.235	-51.183	-9004.93
1074_1074	1074	1074	-32.392	371.105	-2.55	0.088	51.543	9003.958
1074_1075	1074	1075	79.907	-327.174	2.55	-0.119	-17.697	-4514.82
1075_1075	1075	1075	394.586	322.849	-0.836	-0.4	21.44	1915.369
1075_1076	1075	1076	-378.012	-288.474	0.836	0.419	-11.612	1553.727
1076_1076	1076	1076	371.849	270.158	-0.033	4.387	11.547	-1553.25
1076_1077	1076	1077	-348.318	-246.354	0.033	-4.394	-11.272	3572.036
1077_1077	1077	1077	318.527	248.417	0.14	-4.34	11.53	-3531.96
1077_1078	1077	1078	-272.036	-203.472	-0.14	4.34	-13.602	6670.858
1078_1078	1078	1078	272.029	183.593	0.142	4.721	13.602	-6670.99
1078_1079	1078	1079	-239.925	-149.484	-0.142	-4.721	-15.201	8398.285

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1079_1079	1079	1079	239.924	149.494	0.19	-5.158	15.201	-8398.29
1079_1080	1079	1080	-212.316	-115.356	-0.19	5.158	-17.34	9762.222
1080_1080	1080	1080	212.321	94.537	-0.137	5.235	17.34	-9762.5
1080_1081	1080	1081	-186.378	-60.402	0.137	-5.235	-15.795	10514.38
1081_1081	1081	1081	186.378	60.412	-0.091	-5.581	15.795	-10514.4
1081_1082	1081	1082	-164.961	-26.278	0.091	5.581	-14.766	10901.33
1082_1082	1082	1082	164.964	3.792	-0.095	9.824	14.766	-10901.6
1082_1083	1082	1083	-143.895	32.889	0.095	-9.824	-13.618	10625.12
1083_1083	1083	1083	143.895	-32.878	-0.01	-9.637	13.618	-10625.1
1083_1084	1083	1084	-128.052	69.556	0.01	9.637	-13.501	9927.297
1084_1084	1084	1084	128.057	-91.673	-0.125	8.666	13.501	-9927.54
1084_1085	1084	1085	-115.122	125.802	0.125	-8.666	-12.092	8638.255
1085_1085	1085	1085	115.122	-125.791	-0.034	-7.946	12.092	-8638.25
1085_1086	1085	1086	-106.71	159.918	0.034	7.946	-11.715	6984.303
1086_1086	1086	1086	106.706	-180.342	-0.377	5.149	11.715	-6984.42
1086_1087	1086	1087	-100.314	214.469	0.377	-5.149	-7.467	4724.95
1087_1087	1087	1087	100.313	-214.459	-0.286	-3.901	7.467	-4724.95
1087_1088	1087	1088	-98.444	248.583	0.286	3.901	-4.252	2100.925
1088_1088	1088	1088	98.442	-266.833	-0.017	0.652	4.252	-2100.98
1088_1089	1088	1089	-99.536	310.054	0.017	-0.652	-4.007	-2019.44
1089_1089	1089	1089	103.76	-308.878	-0.008	0.075	4.289	2045.222
1089_1090	1089	1090	-107.173	333.86	0.008	-0.079	-4.223	-4693.31
1090_1090	1090	1090	114.969	-352.633	0.776	-2.193	4.156	4694.009
1090_1091	1090	1091	-123.849	388.533	-0.776	2.21	-13.278	-9027.49
1091_1091	1091	1091	128.338	-385.935	1.933	3.016	13.983	9062.727
1091_1092	1091	1092	-141.941	429.906	-1.933	-3.052	-39.64	-14420.6
1092_1092	1092	1092	155.13	-440.627	-1.325	-14.163	38.273	14422.65
1092_1093	1092	1093	-166.379	483.947	1.325	14.206	-21.63	-20165.4
1093_1093	1093	1093	179.642	-480.17	-1.241	17.244	24.981	20168.22
1093_1094	1093	1094	-189.996	525.794	1.241	-17.198	-9.364	-26422.4
1094_1094	1094	1094	-2067.16	214.123	0.531	-4.646	-51.405	7058.028
1094_1095	1094	1095	2088.535	-183.964	-0.531	4.646	46.356	-5253.59
1095_1095	1095	1095	-2090.63	184.033	1.104	-3.166	-46.245	5263.822
1095_1096	1095	1096	2105.181	-160.014	-1.104	3.166	37.687	-3989.7
1096_1096	1096	1096	-2105.18	160.019	6.766	7.618	-37.687	3989.687
1096_1097	1096	1097	2117.707	-136.033	-6.766	-7.618	-14.697	-2895.11
1097_1097	1097	1097	-2117.78	119.361	-4.527	-2.395	14.697	2895.196
1097_1098	1097	1098	2128.646	-94.569	4.527	2.395	21.53	-2084.1
1098_1098	1098	1098	-2128.65	94.574	-1.75	0.773	-21.53	2084.097
1098_1099	1098	1099	2137.38	-69.782	1.75	-0.773	35.533	-1462.86
1099_1099	1099	1099	-2137.38	69.788	-1.75	0.773	-35.533	1462.857
1099_1100	1099	1100	2143.976	-44.996	1.75	-0.773	49.536	-1031.45
1100_1100	1100	1100	-2143.87	29.687	11.905	8.655	-49.536	1031.405
1100_1101	1100	1101	2147.754	-11.094	-11.905	-8.655	-21.913	-925.691
1101_1101	1101	1101	-2147.75	11.098	11.825	8.598	21.913	925.691
1101_1102	1101	1102	2150.432	7.464	-11.825	-8.598	-92.762	-926.657
1102_1102	1102	1102	-2150.42	-7.46	-14.008	-10.155	92.762	926.653
1102_1103	1102	1103	2151.903	26.059	14.008	10.155	-8.667	-1034.35
1103_1103	1103	1103	-2151.92	-26.055	-10.307	-7.242	8.667	1034.366
1103_1104	1103	1104	2152.205	44.653	10.307	7.242	53.208	-1248.89
1104_1104	1104	1104	-2152.19	-59.942	0.252	-1.975	-53.208	1248.892
1104_1105	1104	1105	2151.132	84.708	-0.252	1.975	51.19	-1824.38
1105_1105	1105	1105	-2151.13	-84.703	3.115	1.345	-51.19	1824.382

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1105_1106	1105	1106	2147.932	109.499	-3.115	-1.345	26.257	-2590.35
1106_1106	1106	1106	-2147.93	-109.493	3.115	1.345	-26.257	2590.35
1106_1107	1106	1107	2142.599	134.289	-3.115	-1.345	1.324	-3546.21
1107_1107	1107	1107	-2142.62	-150.536	-2.891	-2.473	-1.324	3546.249
1107_1108	1107	1108	2135.441	174.525	2.891	2.473	23.708	-4777.59
1108_1108	1108	1108	-2135.44	-174.52	-2.809	-2.271	-23.708	4777.585
1108_1109	1108	1109	2126.247	198.54	2.809	2.271	45.49	-6188.59
1109_1109	1109	1109	-2126.05	-198.487	-0.594	4.767	-46.357	6187.657
1109_1110	1109	1110	2111.563	228.647	0.594	-4.767	52.003	-8161.39
1110_1110	1110	1110	159.098	512.815	1.306	-19.454	7.732	27668.89
1110_1111	1110	1111	-136.163	-467.34	-1.306	19.513	-24.164	-21641.6
1111_1111	1111	1111	123.092	467.33	1.408	16.786	20.313	21639.55
1111_1112	1111	1112	-97.293	-424.194	-1.408	-16.732	-37.999	-16164.1
1112_1112	1112	1112	84.748	415.264	-1.893	-3.527	39.623	16163.2
1112_1113	1112	1113	-53.395	-371.436	1.893	3.493	-14.483	-11060
1113_1113	1113	1113	476.203	368.864	-1.161	2.726	20.775	8733.273
1113_1114	1113	1114	-464.344	-332.929	1.161	-2.725	-7.136	-4735.25
1114_1114	1114	1114	457.219	319.535	0.224	3.458	7.164	4735.976
1114_1115	1114	1115	-430.435	-294.638	-0.224	-3.462	-9.015	-2331.77
1115_1115	1115	1115	486.012	296.415	0.318	-1.592	9.221	1905.26
1115_1116	1115	1116	-416.806	-253.983	-0.318	1.592	-13.923	1845.904
1116_1116	1116	1116	416.81	234.631	-0.306	3.201	13.923	-1845.93
1116_1117	1116	1117	-367.442	-202.313	0.306	-3.201	-10.481	4079.04
1117_1117	1117	1117	367.442	202.327	-0.255	-3.598	10.481	-4079.04
1117_1118	1117	1118	-322.966	-170.009	0.255	3.598	-7.607	5969.51
1118_1118	1118	1118	322.966	150.281	-0.046	8.693	7.607	-5969.51
1118_1119	1118	1119	-279.982	-117.935	0.046	-8.693	-7.091	7281.624
1119_1119	1119	1119	279.982	117.949	0.054	-8.903	7.091	-7281.63
1119_1120	1119	1120	-241.93	-85.633	-0.054	8.903	-7.703	8249.805
1120_1120	1120	1120	241.929	63.886	-0.212	4.39	7.703	-8249.81
1120_1121	1120	1121	-202.634	-29.128	0.212	-4.39	-5.139	8628.905
1121_1121	1121	1121	202.634	29.144	-0.166	-4.169	5.139	-8628.91
1121_1122	1121	1122	-169.023	5.585	0.166	4.169	-3.137	8611.898
1122_1122	1122	1122	169.024	-27.149	-0.12	4.279	3.137	-8611.9
1122_1123	1122	1123	-139.146	59.493	0.12	-4.279	-1.781	7981.493
1123_1123	1123	1123	139.146	-59.478	-0.07	-3.705	1.781	-7981.49
1123_1124	1123	1124	-114.187	91.793	0.07	3.705	-0.988	7008.965
1124_1124	1124	1124	114.187	-114.735	-0.302	5.628	0.988	-7008.97
1124_1125	1124	1125	-94.351	147.079	0.302	-5.628	2.411	5435.071
1125_1125	1125	1125	94.351	-147.064	-0.201	-4.799	-2.411	-5435.07
1125_1126	1125	1126	-79.425	179.378	0.201	4.799	4.677	3519.928
1126_1126	1126	1126	79.421	-196.372	-0.581	0.312	-4.677	-3519.91
1126_1127	1126	1127	-63.931	236.442	0.581	-0.312	12.781	415.904
1127_1127	1127	1127	67.255	-235.32	-0.494	0.337	-12.515	-400.058
1127_1128	1127	1128	-61.575	258.519	0.494	-0.342	16.594	-1675.7
1128_1128	1128	1128	67.652	-271.961	1.957	-3.923	-16.739	1676.581
1128_1129	1128	1129	-64.671	305.358	-1.957	3.953	-6.274	-5116.04
1129_1129	1129	1129	74.538	-302.473	3.992	8.53	6.059	5110.706
1129_1130	1129	1130	-85.188	345.287	-3.992	-8.564	-59.053	-9403.4
1130_1130	1130	1130	97.368	-373.296	-8.31	-6.272	58.095	9405.848
1130_1131	1130	1131	-121.274	415.466	8.31	6.335	46.199	-14265.9
1131_1131	1131	1131	132.555	-411.655	-8.26	7.227	-44.908	14269.37
1131_1132	1131	1132	-154.044	456.2	8.26	-7.157	148.959	-19632.4

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1132_1132	1132	1132	-1719.23	203.947	33.802	16.373	-410.354	4849.43
1132_1133	1132	1133	1742.426	-174.562	-33.802	-16.373	89.232	-3146.11
1133_1133	1133	1133	-1746.58	174.473	31.383	11.942	-89.603	3166.182
1133_1134	1133	1134	1764.142	-152.227	-31.383	-11.942	-153.613	-1972.25
1134_1134	1134	1134	-1764.35	152.235	1.52	-25.935	153.613	1972.153
1134_1135	1134	1135	1779.624	-129.985	-1.52	25.935	-165.395	-941.309
1135_1135	1135	1135	-1779.68	109.629	-3.755	0.376	165.395	941.811
1135_1136	1135	1136	1792.422	-86.66	3.755	-0.376	-135.352	-209.397
1136_1136	1136	1136	-1792.42	86.669	-6.165	-0.771	135.352	209.397
1136_1137	1136	1137	1802.718	-63.699	6.165	0.771	-86.024	349.035
1137_1137	1137	1137	-1802.73	63.708	-3.755	-0.203	86.024	-349.035
1137_1138	1137	1138	1810.586	-40.739	3.755	0.203	-55.982	733.456
1138_1138	1138	1138	-1810.66	24.951	-3.577	-0.03	55.982	-733.455
1138_1139	1138	1139	1815.429	-7.752	3.577	0.03	-34.549	810.831
1139_1139	1139	1139	-1815.43	7.759	-0.294	0.187	34.549	-810.832
1139_1140	1139	1140	1818.836	9.468	0.294	-0.187	-32.786	790.542
1140_1140	1140	1140	-1818.84	-9.461	-0.294	0.187	32.786	-790.542
1140_1141	1140	1141	1820.867	26.688	0.294	-0.187	-31.023	672.381
1141_1141	1141	1141	-1820.87	-26.681	-3.507	-0.392	31.023	-672.381
1141_1142	1141	1142	1821.523	43.908	3.507	0.392	-9.973	456.339
1142_1142	1142	1142	-1821.53	-63.265	0.228	0.911	9.973	-456.33
1142_1143	1142	1143	1818.475	86.234	-0.228	-0.911	-11.8	-131.723
1143_1143	1143	1143	-1818.48	-86.225	0.228	0.911	11.8	131.723
1143_1144	1143	1144	1812.979	109.194	-0.228	-0.911	-13.628	-893.77
1144_1144	1144	1144	-1812.98	-109.185	-2.182	-1.532	13.628	893.77
1144_1145	1144	1145	1805.04	132.154	2.182	1.532	3.832	-1829.84
1145_1145	1145	1145	-1805	-148.266	-5.159	-0.755	-3.832	1829.816
1145_1146	1145	1146	1795.066	170.489	5.159	0.755	43.773	-3026.15
1146_1146	1146	1146	-1795.07	-170.48	-5.108	-0.647	-43.773	3026.145
1146_1147	1146	1147	1782.828	192.732	5.108	0.647	83.367	-4387.21
1147_1147	1147	1147	-1773.54	-192.802	-3.842	2.846	-82.98	4341.883
1147_1148	1147	1148	1755.932	222.191	3.842	-2.846	119.484	-6245.57
1148_1148	1148	1148	102.689	424.456	0.09	-8.14	-4.839	21146.17
1148_1149	1148	1149	-75.229	-380.099	-0.09	8.171	3.706	-16209.2
1149_1149	1149	1149	64.829	383.001	0.158	6.244	-5.227	16206.65
1149_1150	1149	1150	-33.439	-341.04	-0.158	-6.216	3.239	-11784.2
1150_1150	1150	1150	23.029	329.677	-0.014	-1.088	-2.606	11782.66
1150_1151	1150	1151	11.347	-287.012	0.014	1.07	2.792	-7796.69
1151_1151	1151	1151	487.61	282.246	-0.136	-0.316	-1.774	5072.317
1151_1152	1151	1152	-470.065	-248.334	0.136	0.303	3.369	-2103.48
1152_1152	1152	1152	464.757	234.423	-0.027	0.334	-3.376	2103.929
1152_1153	1152	1153	-433.703	-210.973	0.027	-0.334	3.599	-413.805
1153_1153	1153	1153	460.738	212.909	-0.007	-0.501	-3.622	270.861
1153_1154	1153	1154	-392.569	-174.88	0.007	0.501	3.72	2105.584
1154_1154	1154	1154	392.57	156.567	0.162	2.82	-3.72	-2105.6
1154_1155	1154	1155	-342.118	-126.122	-0.162	-2.82	1.934	3446.468
1155_1155	1155	1155	342.118	126.143	0.234	-3.067	-1.934	-3446.47
1155_1156	1155	1156	-296.78	-95.698	-0.234	3.067	-0.644	4472.89
1156_1156	1156	1156	296.783	77.715	0.011	3.522	0.644	-4472.91
1156_1157	1156	1157	-257.614	-49.982	-0.011	-3.522	-0.756	4944.47
1157_1157	1157	1157	257.614	50.001	0.089	-3.488	0.756	-4944.47
1157_1158	1157	1158	-222.721	-22.296	-0.089	3.488	-1.642	5155.045
1158_1158	1158	1158	222.72	4.956	0.09	3.284	1.642	-5155.06

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1158_1159	1158	1159	-189.597	22.776	-0.09	-3.284	-2.543	4921.312
1159_1159	1159	1159	189.597	-22.758	0.167	-3.016	2.543	-4921.31
1159_1160	1159	1160	-160.743	50.462	-0.167	3.016	-4.219	4427.296
1160_1160	1160	1160	160.744	-68.003	-0.097	0.263	4.219	-4427.33
1160_1161	1160	1161	-131.334	98.448	0.097	-0.263	-3.146	3380.595
1161_1161	1161	1161	131.334	-101.751	-0.097	0.263	3.146	-3380.6
1161_1162	1161	1162	-110.821	132.196	0.097	-0.263	-2.074	1997.887
1162_1162	1162	1162	110.819	-148.454	0.289	0.364	2.074	-1997.87
1162_1163	1162	1163	-89.216	186.482	-0.289	-0.364	-6.049	-407.532
1163_1163	1163	1163	92.635	-185.301	0.26	0.183	5.872	401.779
1163_1164	1163	1164	-83.97	208.781	-0.26	-0.186	-8.018	-2075.57
1164_1164	1164	1164	89.022	-222.676	0.045	0.312	8.028	2076.379
1164_1165	1164	1165	-80.922	256.488	-0.045	-0.309	-8.56	-4955.22
1165_1165	1165	1165	78.521	-253.562	1.123	0.467	2.733	5008.581
1165_1166	1165	1166	-82.269	296.085	-1.123	-0.508	-17.644	-8686.07
1166_1166	1166	1166	91.97	-308.141	-0.563	-4.909	17.213	8688.467
1166_1167	1166	1167	-101.616	349.941	0.563	4.956	-10.151	-12820.1
1167_1167	1167	1167	111.254	-346.13	-0.495	6.164	11.348	12823.64
1167_1168	1167	1168	-124.66	390.255	0.495	-6.112	-5.112	-17441.2
1168_1168	1168	1168	-1496.42	218.306	0.775	-1.435	-19.901	5093.022
1168_1169	1168	1169	1522.411	-189.113	-0.775	1.435	12.533	-3262.83
1169_1169	1169	1169	-1526.83	189.052	1.565	0.083	-13.276	3284.349
1169_1170	1169	1170	1546.265	-166.728	-1.565	-0.083	1.144	-1984.65
1170_1170	1170	1170	-1546.27	166.741	1.565	0.083	-1.144	1984.651
1170_1171	1170	1171	1563.304	-144.417	-1.565	-0.083	-10.988	-848.376
1171_1171	1171	1171	-1563.32	127.08	0.307	0.349	10.988	848.372
1171_1172	1171	1172	1578.186	-104.036	-0.307	-0.349	-13.447	15.177
1172_1172	1172	1172	-1578.19	104.05	-1.93	-0.446	13.447	-15.176
1172_1173	1172	1173	1590.487	-81.034	1.93	0.446	1.978	703.855
1173_1173	1173	1173	-1590.49	81.047	0.307	-0.405	-1.978	-703.855
1173_1174	1173	1174	1600.252	-58.003	-0.307	0.405	-0.482	1219.35
1174_1174	1174	1174	-1600.26	41.152	0.886	-0.186	0.482	-1219.37
1174_1175	1174	1175	1606.392	-23.869	-0.886	0.186	-5.799	1388.571
1175_1175	1175	1175	-1606.39	23.879	-2.035	0.67	5.799	-1388.57
1175_1176	1175	1176	1611.089	-6.595	2.035	-0.67	6.414	1459.826
1176_1176	1176	1176	-1611.09	6.606	0.886	-0.225	-6.414	-1459.83
1176_1177	1176	1177	1614.353	10.678	-0.886	0.225	1.097	1433.129
1177_1177	1177	1177	-1614.35	-10.667	0.886	-0.225	-1.097	-1433.13
1177_1178	1177	1178	1616.179	27.95	-0.886	0.225	-4.221	1308.481
1178_1178	1178	1178	-1616.19	-44.759	-0.994	0.012	4.221	-1308.48
1178_1179	1178	1179	1617.033	67.775	0.994	-0.012	3.726	853.44
1179_1179	1179	1179	-1617.03	-67.762	1.243	0.234	-3.726	-853.44
1179_1180	1179	1180	1615.325	90.806	-1.243	-0.234	-6.221	223.813
1180_1180	1180	1180	-1615.33	-90.792	1.243	0.234	6.221	-223.813
1180_1181	1180	1181	1611.065	113.836	-1.243	-0.234	-16.168	-579.947
1181_1181	1181	1181	-1611.08	-130.97	-2.324	0.806	16.168	579.981
1181_1182	1181	1182	1604.418	153.294	2.324	-0.806	1.847	-1657.23
1182_1182	1182	1182	-1604.42	-156.623	-2.324	0.806	-1.847	1657.228
1182_1183	1182	1183	1592.848	178.947	2.324	-0.806	19.862	-2913.81
1183_1183	1183	1183	-1582.9	-178.979	-2.975	-0.702	-19.008	2865.256
1183_1184	1183	1184	1565.655	208.169	2.975	0.702	47.274	-4638.21
1184_1184	1184	1184	87.265	396.637	0.37	5.275	-9.969	16817.09
1184_1185	1184	1185	-53.55	-352.786	-0.37	-5.229	5.306	-12218.1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1185_1185	1185	1185	43.79	356.562	0.298	-6.083	-4.128	12215.25
1185_1186	1185	1186	-6.991	-315.018	-0.298	6.124	0.381	-8105.15
1186_1186	1186	1186	-2.772	303.399	-0.483	-0.601	-0.895	8103.431
1186_1187	1186	1187	40.141	-261.153	0.483	0.573	7.312	-4446.4
1187_1187	1187	1187	411.471	258.196	-0.059	-0.664	3.651	1979.516
1187_1188	1187	1188	-396.404	-223.735	0.059	0.657	-2.955	733.977
1188_1188	1188	1188	391.574	208.492	-0.088	-2.139	2.956	-733.275
1188_1189	1188	1189	-366.053	-184.649	0.088	2.138	-2.234	2232.505
1189_1189	1189	1189	380.731	186.774	-0.133	0.734	2.3	-2239.37
1189_1190	1189	1190	-327.488	-146.562	0.133	-0.734	-0.466	4311.856
1190_1190	1190	1190	327.491	127.898	0.195	-4.241	0.466	-4311.85
1190_1191	1190	1191	-288.615	-95.729	-0.195	4.241	-2.607	5380.392
1191_1191	1191	1191	288.615	95.75	0.113	3.499	2.607	-5380.39
1191_1192	1191	1192	-254.76	-63.58	-0.113	-3.499	-3.854	6114.436
1192_1192	1192	1192	254.764	44.386	0.027	4.123	3.854	-6114.43
1192_1193	1192	1193	-226	-14.819	-0.027	-4.123	-4.129	6291.711
1193_1193	1193	1193	226	14.838	0.115	-4.406	4.129	-6291.71
1193_1194	1193	1194	-201.477	14.728	-0.115	4.406	-5.296	6186.424
1194_1194	1194	1194	201.49	-33.265	-0.157	0.082	5.296	-6186.51
1194_1195	1194	1195	-179.144	62.832	0.157	-0.082	-3.713	5603.049
1195_1195	1195	1195	179.144	-62.813	-0.157	0.082	3.713	-5603.05
1195_1196	1195	1196	-161.041	92.38	0.157	-0.082	-2.129	4737.009
1196_1196	1196	1196	161.017	-111.809	0.053	-1.683	2.129	-4736.94
1196_1197	1196	1197	-144.082	143.979	-0.053	1.683	-2.714	3251.792
1197_1197	1197	1197	144.082	-143.957	-0.03	2.246	2.714	-3251.79
1197_1198	1197	1198	-132.176	176.098	0.03	-2.246	-2.387	1433.907
1198_1198	1198	1198	132.193	-197.73	0.161	0.49	2.387	-1433.95
1198_1199	1198	1199	-126.613	237.942	-0.161	-0.49	-4.604	-1600.05
1199_1199	1199	1199	128.017	-236.476	0.125	0.099	4.315	1570.98
1199_1200	1199	1200	-127.118	261.246	-0.125	-0.104	-5.345	-3640.76
1200_1200	1200	1200	133.377	-277.475	1.003	0.529	5.363	3641.798
1200_1201	1200	1201	-133.966	313.137	-1.003	-0.499	-17.152	-7134.89
1201_1201	1201	1201	139.314	-309.275	3.075	0.897	14.234	7158.313
1201_1202	1201	1202	-149.393	355.196	-3.075	-0.957	-55.031	-11544.8
1202_1202	1202	1202	161.157	-370.354	-2.244	1.762	55.247	11548.05
1202_1203	1202	1203	-171.933	415.465	2.244	-1.702	-27.07	-16448.3
1203_1203	1203	1203	183.338	-410.779	-2.244	0.949	27.105	16452.65
1203_1204	1203	1204	-194.897	458.195	2.244	-0.883	1.154	-21877.8
1204_1204	1204	1204	-1819.39	231.988	5.951	1.582	-66.587	6241.697
1204_1205	1204	1205	1844.015	-200.383	-5.951	-1.582	10.039	-4290.58
1205_1205	1205	1205	-1843.69	200.343	4.566	-2.07	-9.634	4062.919
1205_1206	1205	1206	1861.903	-176.08	-4.566	2.07	-25.711	-2680.17
1206_1206	1206	1206	-1861.9	176.094	4.621	-1.989	25.711	2680.169
1206_1207	1206	1207	1877.847	-151.8	-4.621	1.989	-61.533	-1474.63
1207_1207	1207	1207	-1877.61	131.869	-7.071	-1.254	61.533	1474.669
1207_1208	1207	1208	1891.448	-106.791	7.071	1.254	-4.949	-576.778
1208_1208	1208	1208	-1891.46	106.805	-4.471	0.254	4.949	576.777
1208_1209	1208	1209	1902.852	-81.728	4.471	-0.254	30.827	130.238
1209_1209	1209	1209	-1902.85	81.741	-4.471	0.254	-30.827	-130.238
1209_1210	1209	1210	1911.807	-56.664	4.471	-0.254	66.602	646.402
1210_1210	1210	1210	-1911.94	38.824	-3.062	0.014	-66.602	-646.425
1210_1211	1210	1211	1917.415	-20.016	3.062	-0.014	84.979	799.716
1211_1211	1211	1211	-1917.42	20.026	0.405	0.189	-84.979	-799.718

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1211_1212	1211	1212	1921.524	-1.218	-0.405	-0.189	82.546	845.649
1212_1212	1212	1212	-1921.52	1.228	0.336	0.185	-82.546	-845.649
1212_1213	1212	1213	1924.255	17.548	-0.336	-0.185	80.534	784.418
1213_1213	1213	1213	-1924.25	-17.538	-3.062	-0.184	-80.534	-784.416
1213_1214	1213	1214	1925.617	36.347	3.062	0.184	98.91	615.812
1214_1214	1214	1214	-1925.76	-54.429	5.663	0.46	-98.91	-615.823
1214_1215	1214	1215	1925.843	79.507	-5.663	-0.46	53.594	77.651
1215_1215	1215	1215	-1925.85	-79.493	3.063	-0.809	-53.594	-77.651
1215_1216	1215	1216	1923.496	104.571	-3.063	0.809	29.087	-651.393
1216_1216	1216	1216	-1923.49	-104.557	5.663	1.405	-29.087	651.392
1216_1217	1216	1217	1918.696	129.635	-5.663	-1.405	-16.229	-1571.27
1217_1217	1217	1217	-1918.58	-148.564	-2.445	-0.166	16.229	1571.271
1217_1218	1217	1218	1911.577	172.858	2.445	0.166	2.726	-2791.16
1218_1218	1218	1218	-1911.58	-172.845	-2.501	-0.271	-2.726	2791.16
1218_1219	1218	1219	1902.3	197.107	2.501	0.271	22.086	-4188.24
1219_1219	1219	1219	-1897.11	-197.118	-1.09	3.201	-21.838	4395.707
1219_1220	1219	1220	1882.669	228.719	1.09	-3.201	32.198	-6361.86
1220_1220	1220	1220	182.455	468.443	2.712	-47.389	10.041	22083.33
1220_1221	1220	1221	-152.86	-421.311	-2.712	47.446	-44.193	-16615.2
1221_1221	1221	1221	141.268	426.557	3.076	42.264	34.623	16611.94
1221_1222	1221	1222	-106.602	-381.785	-3.076	-42.209	-73.237	-11669.7
1222_1222	1222	1222	95.135	373.636	-3.285	-3.231	77.09	11666.39
1222_1223	1222	1223	-55.337	-328	3.285	3.134	-33.472	-7139.61
1223_1223	1223	1223	508.964	326.127	-0.614	1.359	14.993	4600.061
1223_1224	1223	1224	-486.226	-289.872	0.614	-1.344	-7.771	-1144.94
1224_1224	1224	1224	479.836	275.136	0.147	10.049	7.699	1145.345
1224_1225	1224	1225	-444.86	-250.008	-0.147	-10.05	-8.915	853.847
1225_1225	1225	1225	416.211	252.996	0.426	-7.282	9.327	-666.227
1225_1226	1225	1226	-340.772	-201.335	-0.426	7.282	-16.32	4074.84
1226_1226	1226	1226	340.76	177.883	0.066	20.349	16.32	-4074.36
1226_1227	1226	1227	-288.134	-139.034	-0.066	-20.349	-17.13	5805.433
1227_1227	1227	1227	288.133	139.058	0.434	-19.925	17.13	-5805.44
1227_1228	1227	1228	-241.438	-100.239	-0.434	19.925	-22.486	7080.002
1228_1228	1228	1228	241.23	75.475	0.112	15.118	22.486	-7077.61
1228_1229	1228	1229	-198.993	-34.464	-0.112	-15.118	-23.865	7572.42
1229_1229	1229	1229	198.991	34.652	0.358	-14.137	23.865	-7572.42
1229_1230	1229	1230	-164.984	6.328	-0.358	14.137	-28.28	7596.187
1230_1230	1230	1230	164.878	-31.118	0.177	12.421	28.28	-7593.6
1230_1231	1230	1231	-136.763	72.102	-0.177	-12.421	-30.458	6829.232
1231_1231	1231	1231	136.768	-71.914	0.423	-11.531	30.458	-6829.24
1231_1232	1231	1232	-116.861	112.867	-0.423	11.531	-35.675	5595.374
1232_1232	1232	1232	116.86	-138.899	1.848	9.111	35.675	-5594.36
1232_1233	1232	1233	-108.668	171.744	-1.848	-9.111	-53.943	4013.526
1233_1233	1233	1233	108.634	-171.581	2.089	-3.197	53.943	-4013.31
1233_1234	1233	1234	-105.727	209.716	-2.089	3.197	-77.918	1798.741
1234_1234	1234	1234	111.686	-208.764	2.583	-9.893	82.635	-1821.51
1234_1235	1234	1235	-112.217	219.388	-2.583	9.895	-90.749	1145.93
1235_1235	1235	1235	130.973	-233.543	0.003	-1.634	98.884	-1207.11
1235_1236	1235	1236	-136.826	258.097	-0.003	1.571	-98.906	-543.975
1236_1236	1236	1236	135.992	-258.456	0.14	0.605	98.961	544.127
1236_1237	1236	1237	-147.684	292.076	-0.14	-0.68	-100.32	-3190.5
1237_1237	1237	1237	167.403	-287.725	-0.13	7.885	98.338	3126.618
1237_1238	1237	1238	-174.165	306.893	0.13	-7.962	-97.723	-4528.43

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1238_1238	1238	1238	180.037	-322.066	5.354	-11.824	96.603	4528.658
1238_1239	1238	1239	-194.92	365.884	-5.354	11.719	-154.141	-8176.93
1239_1239	1239	1239	203.476	-361.085	5.545	10.552	156.212	8180.002
1239_1240	1239	1240	-218.531	407.114	-5.545	-10.685	-217.044	-12334.3
1240_1240	1240	1240	233.54	-424.829	-28.857	-21.659	214.074	12332.55
1240_1241	1240	1241	-247.369	476.746	28.857	21.978	129.805	-17643.4
1241_1241	1241	1241	-1702.64	281.154	-7.972	16.55	280.599	4928.937
1241_1242	1241	1242	1729.91	-243.917	7.972	-16.55	-204.843	-2544.19
1242_1242	1242	1242	-1726.89	243.972	-5.875	19.879	205.455	2529.54
1242_1243	1242	1243	1735.169	-231.734	5.875	-19.879	-186.861	-1810.36
1243_1243	1243	1243	-1733.02	212.688	-31.632	-3.481	186.861	1808.69
1243_1244	1243	1244	1755.382	-177.056	31.632	3.481	104.602	-103.712
1244_1244	1244	1244	-1755.5	177.184	-25.361	-0.616	-104.602	103.838
1244_1245	1244	1245	1776.021	-136.936	25.361	0.616	368.558	1447.342
1245_1245	1245	1245	-1776.41	121.919	-14.618	1.82	-368.558	-1447.21
1245_1246	1245	1246	1791.354	-84.221	14.618	-1.82	511.057	2390.814
1246_1246	1246	1246	-1791.39	84.349	-8.41	-2.327	-511.057	-2390.8
1246_1247	1246	1247	1802.036	-46.139	8.41	2.327	594.157	2991.367
1247_1247	1247	1247	-1802.13	27.918	0.036	2.719	-594.157	-2990.66
1247_1248	1247	1248	1808.231	7.2	-0.036	-2.719	593.829	3058.832
1248_1248	1248	1248	-1808.26	-7.072	3.815	-0.73	-593.829	-3058.67
1248_1249	1248	1249	1810.535	47.816	-3.815	0.73	553.629	2758.553
1249_1249	1249	1249	-1809.38	-67.509	-10.693	2.405	-553.629	-2758.03
1249_1250	1249	1250	1806.801	107.487	10.693	-2.405	664.174	1861.834
1250_1250	1250	1250	-1806.8	-107.359	-2.982	0.524	-664.174	-1861.95
1250_1251	1250	1251	1800.257	143.276	2.982	-0.524	691.867	722.344
1251_1251	1251	1251	-1803.12	-170.076	62.464	-3.936	-691.867	-722.378
1251_1252	1251	1252	1792.736	209.259	-62.464	3.936	58.95	-1159.9
1252_1252	1252	1252	-1792.56	-212.522	68.311	3.72	-58.95	1160.035
1252_1253	1252	1253	1772.473	255.867	-68.311	-3.72	-706.727	-3707.14
1253_1253	1253	1253	-1770.24	-255.765	66.949	0.161	706.661	3696.127
1253_1254	1253	1254	1763.492	268.149	-66.949	-0.161	-918.266	-4497.82
1254_1254	1254	1254	-1758.84	-293.871	-34.493	-39.453	918.266	4495.308
1254_1255	1254	1255	1745.387	318.687	34.493	39.453	-699.791	-6382.92
1255_1255	1255	1255	218.398	435.979	-48.3	1.185	669.117	19221.29
1255_1256	1255	1256	-199.412	-400.526	48.3	-1.644	-276.778	-15913.4
1256_1256	1256	1256	192.755	404.272	-48.174	33.164	272.981	15910.62
1256_1257	1256	1257	-174.039	-373.395	48.174	-33.549	77.274	-13161.8
1257_1257	1257	1257	163.546	358.424	9.5	-20.506	-71.879	13156.48
1257_1258	1257	1258	-134.802	-315.466	-9.5	21.22	-26.822	-9762.04
1258_1258	1258	1258	126.932	320.281	9.694	13.465	24.162	9760.153
1258_1259	1258	1259	-90.56	-269.362	-9.694	-12.793	-146.749	-6148.58
1259_1259	1259	1259	519.987	256.202	1.164	5.186	17.109	3818.22
1259_1260	1259	1260	-533.317	-218.697	-1.164	-5.125	-29.394	-1295.4
1260_1260	1260	1260	528.568	225.152	1.397	-4.726	29.574	1294.349
1260_1261	1260	1261	-523.719	-192.047	-1.397	4.747	-42.776	649.393
1261_1261	1261	1261	547.92	195.651	1.555	-7.796	42.355	-917.178
1261_1262	1261	1262	-542.874	-184.738	-1.555	7.796	-47.28	1500.464
1262_1262	1262	1262	542.758	155.42	-0.45	15.205	47.28	-1499.43
1262_1263	1262	1263	-530.436	-117.122	0.45	-15.205	-42.278	2970.105
1263_1263	1263	1263	530.402	117.306	-0.073	-13.509	42.278	-2969.97
1263_1264	1263	1264	-524.837	-76.185	0.073	13.509	-41.413	4109.704
1264_1264	1264	1264	524.771	52.227	0.774	18.261	41.413	-4109.47

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1264_1265	1264	1265	-523.568	-12.338	-0.774	-18.261	-50.376	4485.414
1265_1265	1265	1265	523.572	12.523	1.162	-17.689	50.376	-4485.42
1265_1266	1265	1266	-529.754	27.036	-1.162	17.689	-63.716	4435.438
1266_1266	1266	1266	529.734	-51.725	0.012	11.857	63.716	-4435.23
1266_1267	1266	1267	-540.079	91.963	-0.012	-11.857	-63.852	3646.152
1267_1267	1267	1267	540.088	-91.779	0.277	-11.633	63.852	-3646.2
1267_1268	1267	1268	-557.461	130.952	-0.277	11.633	-67.006	2459.479
1268_1268	1268	1268	557.404	-155.153	1.48	10.235	67.006	-2459.17
1268_1269	1268	1269	-582.803	200.117	-1.48	-10.235	-86.319	254.016
1269_1269	1269	1269	582.856	-199.922	1.831	-11.358	86.319	-254.276
1269_1270	1269	1270	-612.961	239.378	-1.831	11.358	-107.291	-2128.88
1270_1270	1270	1270	613.026	-259.475	-3.725	3.25	107.291	2128.572
1270_1271	1270	1271	-639.299	291.056	3.725	-3.25	-73.148	-4537.83
1271_1271	1271	1271	639.247	-294.245	-3.45	-2.675	73.148	4538.126
1271_1272	1271	1272	-681.19	332.692	3.45	2.675	-34.656	-7855.39
1272_1272	1272	1272	617.533	-330.728	-2.834	1.742	31.219	8346.765
1272_1273	1272	1273	-629.6	346.105	2.834	-1.732	-19.396	-9704.88
1273_1273	1273	1273	634.748	-366.523	19.189	-7.563	19.21	9705.916
1273_1274	1273	1274	-642.7	396.015	-19.189	7.583	-171.83	-12675.7
1274_1274	1274	1274	649.394	-390.483	19.339	-2.938	171.967	12675.75
1274_1275	1274	1275	-641.807	420.136	-19.339	2.971	-324.329	-15844.6
1275_1275	1275	1275	562.113	-418.058	19.86	27.751	325.595	16349.68
1275_1276	1275	1276	-556.082	435.701	-19.86	-27.728	-408.639	-18127.4
1276_1276	1276	1276	266.47	-449.548	-79.584	-61.621	485.227	19751.14
1276_1277	1276	1277	-281.385	499.626	79.584	62.092	451.462	-25264.4
1277_1277	1277	1277	294.167	-493.205	-79.366	48.478	-443.659	25268.18
1277_1278	1277	1278	-307.557	549.672	79.366	-47.836	1460.262	-31859.8
1278_1278	1278	1278	319.56	-532.948	130.767	-79.05	-1478	31864.02
1278_1279	1278	1279	-328.349	577.143	-130.767	78.689	216.599	-37146.5
1279_1279	1279	1279	-2417.25	380.525	45.894	41.391	-829.062	13377.31
1279_1280	1279	1280	2446.171	-341.831	-45.894	-41.391	392.957	-10059.5
1280_1280	1280	1280	-2444.76	341.866	47.428	51.499	-391.924	10267.39
1280_1281	1280	1281	2459.898	-321.111	-47.428	-51.499	134.848	-8531.93
1281_1281	1281	1281	-2504.3	304.166	-23.619	-10.382	-145.404	8735.229
1281_1282	1281	1282	2532.048	-260.379	23.619	10.382	437.328	-5359.14
1282_1282	1282	1282	-2532.1	260.527	-15.743	7.293	-437.328	5359.109
1282_1283	1282	1283	2553.26	-217.509	15.743	-7.293	628.49	-2543.25
1283_1283	1283	1283	-2553.26	169.079	13.912	-2.154	-628.49	2543.278
1283_1284	1283	1284	2566.76	-125.128	-13.912	2.154	455.899	-773.718
1284_1284	1284	1284	-2566.66	125.268	22.461	3.331	-455.899	773.518
1284_1285	1284	1285	2573.26	-87.157	-22.461	-3.331	214.276	341.312
1285_1285	1285	1285	-2573.17	49.721	29.565	-0.202	-214.276	-341.361
1285_1286	1285	1286	2575.699	-10.078	-29.565	0.202	-116.56	664.368
1286_1286	1286	1286	-2575.58	10.208	37.458	0.997	116.56	-664.459
1286_1287	1286	1287	2573.331	26.648	-37.458	-0.997	-506.239	586.492
1287_1287	1287	1287	-2573.67	-63.768	-22.639	-2.828	506.239	-586.144
1287_1288	1287	1288	2565.742	110.168	22.639	2.828	-209.722	-523.032
1288_1288	1288	1288	-2565.75	-113.443	-13.576	2.646	209.722	522.804
1288_1289	1288	1289	2550.673	153.199	13.576	-2.646	-57.376	-1960.4
1289_1289	1289	1289	-2550.58	-188.271	-2.264	0.35	57.376	1959.872
1289_1290	1289	1290	2544.178	202.459	2.264	-0.35	-48.308	-2717.25
1290_1290	1290	1290	-2542.46	-202.425	1.531	5.586	48.925	2485.735
1290_1291	1290	1291	2524.976	238.387	-1.531	-5.586	-63.47	-4512.53

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1291_1291	1291	1291	307.363	788.138	25.079	-12.988	-220.391	24817.26
1291_1292	1291	1292	-291.972	-756.217	-25.079	12.807	33.793	-19174.4
1292_1292	1292	1292	269.856	731.791	2.641	-28.693	-32.638	19172.59
1292_1293	1292	1293	-235.476	-679.238	-2.641	28.671	-0.849	-10418.6
1293_1293	1293	1293	214.896	686.255	2.743	25.597	-3.071	10415.99
1293_1294	1293	1294	-178.599	-641.366	-2.743	-25.608	-27.622	-3156.36
1294_1294	1294	1294	137.657	612.544	-2.403	-3.096	53.578	3303.573
1294_1295	1294	1295	-112.577	-584.863	2.403	3.045	-36.632	814.611
1295_1295	1295	1295	72.169	588.124	-2.662	1.64	45.508	-657.043
1295_1296	1295	1296	-45.734	-563.23	2.662	-1.661	-26.454	4662.373
1296_1296	1296	1296	38.045	565.502	-2.646	-0.36	26.478	-4662.5
1296_1297	1296	1297	-11.33	-534.98	2.646	0.359	-3.211	9377.396
1297_1297	1297	1297	11.038	495.736	0.565	26.029	3.211	-9377.77
1297_1298	1297	1298	0.4	-481.675	-0.565	-26.029	-5.5	11304.79
1298_1298	1298	1298	38.531	482.125	0.767	14.88	1.91	-11524.1
1298_1299	1298	1299	-19.462	-448.889	-0.767	-14.88	-8.402	15375.8
1299_1299	1299	1299	19.405	448.989	0.819	-24.86	8.402	-15375.4
1299_1300	1299	1300	3.535	-401.935	-0.819	24.86	-18.219	20367.66
1300_1300	1300	1300	-3.556	354.609	1.315	42.376	18.219	-20367.5
1300_1301	1300	1301	23.842	-302.93	-1.315	-42.376	-35.523	24601.03
1301_1301	1301	1301	-23.799	303.05	1.38	-43.099	35.523	-24601.3
1301_1302	1301	1302	36.665	-258.576	-1.38	43.099	-51.154	27723.03
1302_1302	1302	1302	-36.708	206.862	-0.143	60.377	51.154	-27722.8
1302_1303	1302	1303	47.4	-154.01	0.143	-60.377	-49.223	30103.25
1303_1303	1303	1303	-47.35	154.13	-0.067	-64.962	49.223	-30103.5
1303_1304	1303	1304	51.642	-110.784	0.067	64.962	-48.483	31547.2
1304_1304	1304	1304	-51.681	56.9	1.161	57.71	48.483	-31547.1
1304_1305	1304	1305	52.572	-5.605	-1.161	-57.71	-63.658	31953.19
1305_1305	1305	1305	-52.532	5.725	1.226	-56.192	63.658	-31953.4
1305_1306	1305	1306	48.677	39.151	-1.226	56.192	-77.674	31782.26
1306_1306	1306	1306	-48.682	-95.44	0.062	54.141	77.674	-31782.2
1306_1307	1306	1307	38.882	142.01	-0.062	-54.141	-78.414	30422.02
1307_1307	1307	1307	-38.896	-141.891	0.119	-41.396	78.414	-30422
1307_1308	1307	1308	23.333	191.499	-0.119	41.396	-79.921	28391.13
1308_1308	1308	1308	-23.317	-241.683	1.979	48.506	79.921	-28391.3
1308_1309	1308	1309	4.328	289.435	-1.979	-48.506	-103.991	25252.95
1309_1309	1309	1309	-4.321	-289.316	2.041	-38.299	103.991	-25252.9
1309_1310	1309	1310	-19.948	337.765	-2.041	38.299	-129.182	21500.37
1310_1310	1310	1310	19.94	-382.45	-1.703	31.159	129.182	-21500.3
1310_1311	1310	1311	-49.332	432.739	1.703	-31.159	-107.371	16420.26
1311_1311	1311	1311	49.327	-432.614	-1.64	-24.186	107.371	-16420.3
1311_1312	1311	1312	-84.068	482.793	1.64	24.186	-86.403	10736.54
1312_1312	1312	1312	83.91	-525.7	-4.813	5.781	86.403	-10735.8
1312_1313	1312	1313	-145.126	596.18	4.813	-5.781	0	958.882
1400_1020	1400	1020	2432.959	-222.56	-25.064	0.617	-195.056	-3242.11
1400_1401	1400	1401	-2434.01	226.543	25.064	-0.617	297.609	2323.321
1401_1401	1401	1401	2432.762	-221.077	18.973	-5.512	-306.22	-2323.05
1401_1402	1401	1402	-2433.67	224.471	-18.973	5.512	240.015	1545.665
1402_1402	1402	1402	2438.364	-165.617	20.966	1.577	-239.7	-1545.72
1402_1403	1402	1403	-2441.46	176.166	-20.966	-1.577	10.791	-320.117
1403_1403	1403	1403	2463.882	-102.613	3.247	-0.475	-23.181	320.09
1403_1404	1403	1404	-2466.14	109.513	-3.247	0.475	-0.231	-1084.83
1404_1404	1404	1404	2468.019	-52.093	1.78	0.169	0.449	1084.825

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1404_1405	1404	1405	-2470.44	58.942	-1.78	-0.169	-13.293	-1485.31
1405_1405	1405	1405	2468.286	25.598	1.251	-0.293	0.924	1485.284
1405_1406	1405	1406	-2473.59	-12.095	-1.251	0.293	-18.947	-1213.68
1406_1406	1406	1406	2468.118	97.277	0.125	-0.429	7.368	1213.66
1406_1407	1406	1407	-2471.67	-89.093	-0.125	0.429	-8.471	-387.832
1407_1407	1407	1407	2469.261	140.881	-1.21	-0.402	8.554	387.831
1407_1408	1407	1408	-2471.72	-135.539	1.21	0.402	-1.827	380.263
1408_1408	1408	1408	2444.841	-385.424	2.563	1.227	3.837	-380.274
1408_1409	1408	1409	-2445.54	388.541	-2.563	-1.227	-11.577	-788.573
1409_1409	1409	1409	2439.597	362.262	3.392	-2.05	11.762	788.014
1409_1410	1409	1410	-2438.9	-359.145	-3.392	2.05	-22.008	301.46
1410_1410	1410	1410	2450.765	-159.477	1.389	-0.911	18.595	-301.474
1410_1411	1410	1411	-2448.31	164.819	-1.389	0.911	-26.314	-599.657
1411_1411	1411	1411	2451.216	-113.703	-2.892	-0.433	25.844	599.678
1411_1412	1411	1412	-2447.66	121.885	2.892	0.433	-0.221	-1643.36
1412_1412	1412	1412	2444.991	-37.099	-0.053	-0.713	10.967	1643.36
1412_1413	1412	1413	-2439.69	50.607	0.053	0.713	-10.207	-2275.47
1413_1413	1413	1413	2434.43	32.263	-3.299	-0.114	19.577	2275.492
1413_1414	1413	1414	-2432.01	-25.419	3.299	0.114	4.204	-2067.59
1414_1414	1414	1414	2430.764	82.044	-1.723	-1.372	-3.762	2067.594
1414_1415	1414	1415	-2428.51	-75.149	1.723	1.372	16.178	-1501.31
1415_1415	1415	1415	2408.143	148.487	-10.702	-1.18	-6.412	1501.311
1415_1416	1415	1416	-2405.05	-137.93	10.702	1.18	123.339	63.374
1416_1416	1416	1416	2400.918	194.29	-35.449	1.039	-123.154	-63.736
1416_1417	1416	1417	-2400.01	-190.903	35.449	-1.039	246.609	734.474
1417_1417	1417	1417	2401.649	198.793	18.289	-1.395	-239.387	-734.504
1417_1036	1417	1036	-2400.6	-194.8	-18.289	1.395	164.385	1541.543
1420_1056	1420	1056	1996.088	-210.781	-24.944	0.695	-53.444	-3541.64
1420_1421	1420	1421	-1997.02	214.312	24.944	-0.695	155.548	2671.624
1421_1421	1421	1421	1996.421	-209.175	12.592	-1.005	-162.592	-2671.58
1421_1422	1421	1422	-1997.22	212.179	-12.592	1.005	118.703	1937.288
1422_1422	1422	1422	2001.702	-164.721	11.721	0.949	-118.946	-1937.27
1422_1423	1422	1423	-2004.44	174.072	-11.721	-0.949	-9.078	87.053
1423_1423	1423	1423	2021.395	-113.329	1.976	0.212	-2.432	-87.016
1423_1424	1423	1424	-2023.39	119.434	-1.976	-0.212	-11.798	-751.095
1424_1424	1424	1424	2025.594	-73.217	-0.077	0.714	12.072	751.09
1424_1425	1424	1425	-2027.74	79.286	0.077	-0.714	-11.514	-1301.21
1425_1425	1425	1425	2030.111	-10.203	0.886	0.387	0.437	1301.258
1425_1426	1425	1426	-2034.81	22.171	-0.886	-0.387	-13.202	-1534.58
1426_1426	1426	1426	2035.902	48.264	0.428	-0.405	2.628	1534.642
1426_1427	1426	1427	-2039.05	-41.015	-0.428	0.405	-6.416	-1139.18
1427_1427	1427	1427	2037.746	83.598	-3.573	1.656	7.415	1139.171
1427_1428	1427	1428	-2039.93	-78.836	3.573	-1.656	12.44	-687.895
1428_1428	1428	1428	2015.435	-351.387	0.865	-0.208	-10.593	687.87
1428_1429	1428	1429	-2016.06	354.165	-0.865	0.208	7.981	-1752.74
1429_1429	1429	1429	2017.071	360.133	0.076	0.656	-8.08	1755.287
1429_1430	1429	1430	-2016.45	-357.346	-0.076	-0.656	7.85	-668.921
1430_1430	1430	1430	2044.243	-74.654	2.35	-0.711	-10.373	668.919
1430_1431	1430	1431	-2042.06	79.415	-2.35	0.711	-2.686	-1096.96
1431_1431	1431	1431	2043.266	-36.908	-0.606	0.809	1.986	1096.959
1431_1432	1431	1432	-2040.12	44.155	0.606	-0.809	3.383	-1455.96
1432_1432	1432	1432	2040.045	26.331	-0.571	0.167	8.33	1456.027
1432_1433	1432	1433	-2035.34	-14.365	0.571	-0.167	-0.098	-1162.8

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1433_1433	1433	1433	2035.232	83.609	1.18	-0.189	11.538	1162.87
1433_1434	1433	1434	-2033.09	-77.541	-1.18	0.189	-20.046	-581.745
1434_1434	1434	1434	2030.743	124.715	-2.368	0.383	19.697	581.757
1434_1435	1434	1435	-2028.74	-118.603	2.368	-0.383	-2.626	295.097
1435_1435	1435	1435	2006.414	179.336	-20.034	-0.206	15.025	-295.027
1435_1436	1435	1436	-2003.68	-169.982	20.034	0.206	203.872	2203.387
1436_1436	1436	1436	1999.1	216.937	-23.446	0.703	-202.785	-2203.49
1436_1437	1436	1437	-1998.3	-213.935	23.446	-0.703	284.45	2953.873
1437_1437	1437	1437	1999.567	219.478	21.1	-0.879	-281.68	-2953.55
1437_1072	1437	1072	-1998.64	-215.949	-21.1	0.879	195.362	3844.204
1440_1094	1440	1094	2357.768	-198.317	-22.646	0.132	15.454	-2189.37
1440_1441	1440	1441	-2358.69	201.818	22.646	-0.132	77.309	1369.859
1441_1441	1441	1441	2356.979	-195.535	7.24	-0.99	-89.402	-1369.81
1441_1442	1441	1442	-2357.77	198.514	-7.24	0.99	64.141	682.338
1442_1442	1442	1442	2361.857	-141.906	7.265	0.557	-64.144	-682.338
1442_1443	1442	1443	-2364.57	151.169	-7.265	-0.557	-15.219	-918.44
1443_1443	1443	1443	2377.874	-78.684	0.702	0.373	0.765	918.48
1443_1444	1443	1444	-2379.85	84.73	-0.702	-0.373	-5.82	-1506.72
1444_1444	1444	1444	2381.166	-30.433	1.029	0.033	5.753	1506.725
1444_1445	1444	1445	-2383.29	36.444	-1.029	-0.033	-13.173	-1747.92
1445_1445	1445	1445	2386.64	44.795	0.931	0.144	-0.882	1747.978
1445_1446	1445	1446	-2391.3	-32.934	-0.931	-0.144	-12.54	-1187.51
1446_1446	1446	1446	2393.763	116.923	2.343	0.116	-1.738	1187.563
1446_1447	1446	1447	-2396.88	-109.747	-2.343	-0.116	-19.012	-183.852
1447_1447	1447	1447	2394.117	159.039	-1.28	-0.005	19.134	183.839
1447_1448	1447	1448	-2396.29	-154.318	1.28	0.005	-12.019	687.058
1448_1448	1448	1448	2387.066	-352.272	-13.814	4.126	14.581	-687.104
1448_1449	1448	1449	-2387.68	355.02	13.814	-4.126	27.051	-378.703
1449_1449	1449	1449	2386.612	353.305	15.654	-4.115	-27.052	379.079
1449_1450	1449	1450	-2386	-350.546	-15.654	4.115	-20.294	685.349
1450_1450	1450	1450	2392.748	-157.288	-1.569	0.046	17.744	-685.332
1450_1451	1450	1451	-2390.58	162.01	1.569	-0.046	-9.021	-202.269
1451_1451	1451	1451	2393.406	-112.821	-0.816	-0.202	9.048	202.268
1451_1452	1451	1452	-2390.29	120	0.816	0.202	-1.821	-1233.42
1452_1452	1452	1452	2385.629	-36.661	-1.272	-0.158	15.422	1233.437
1452_1453	1452	1453	-2380.97	48.515	1.272	0.158	2.907	-1847.31
1453_1453	1453	1453	2375.409	33.267	-0.445	-0.201	10.986	1847.327
1453_1454	1453	1454	-2373.29	-27.256	0.445	0.201	-7.775	-1629.02
1454_1454	1454	1454	2372.119	79.313	-0.637	-0.238	7.725	1629.022
1454_1455	1454	1455	-2370.14	-73.285	0.637	0.238	-3.149	-1081.1
1455_1455	1455	1455	2356.156	148.907	-7.004	-0.437	17.622	1081.138
1455_1456	1455	1456	-2353.44	-139.626	7.004	0.437	59.023	497.631
1456_1456	1456	1456	2349.512	194.812	-9.028	0.509	-58.9	-497.646
1456_1457	1456	1457	-2348.72	-191.833	9.028	-0.509	90.403	1172.199
1457_1457	1457	1457	2350.815	198.43	20.755	-0.302	-78.706	-1172.15
1457_1110	1457	1110	-2349.89	-194.93	-20.755	0.302	-6.311	1977.787
1460_1132	1460	1132	1974.644	-202.011	4.444	0.038	206.315	-3255.05
1460_1461	1460	1461	-1975.56	205.51	-4.444	-0.038	-224.51	2420.711
1461_1461	1461	1461	1973.038	-200.486	-19.1	1.838	205.664	-2420.71
1461_1462	1461	1462	-1973.83	203.464	19.1	-1.838	-139.043	1716.198
1462_1462	1462	1462	1978.163	-156.044	-17.33	0.073	139.508	-1716.16
1462_1463	1462	1463	-1980.88	165.304	17.33	-0.073	49.743	-38.462
1463_1463	1463	1463	1975.859	-104.535	2.611	1.143	-63.255	38.173

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1463_1464	1463	1464	-1977.84	110.588	-2.611	-1.143	44.435	-813.47
1464_1464	1464	1464	1979.857	-64.633	8.275	-0.18	-45.227	813.427
1464_1465	1464	1465	-1981.98	70.642	-8.275	0.18	-14.454	-1301.26
1465_1465	1465	1465	1964.935	-0.461	1.686	0.462	-1.911	1301.159
1465_1466	1465	1466	-1969.59	12.313	-1.686	-0.462	-22.388	-1393.2
1466_1466	1466	1466	1941.151	60.755	-4.528	0.604	7.474	1393.096
1466_1467	1466	1467	-1944.27	-53.579	4.528	-0.604	32.628	-886.853
1467_1467	1467	1467	1942.764	93.516	-0.781	-0.4	-33.378	886.825
1467_1468	1467	1468	-1944.93	-88.795	0.781	0.4	37.718	-380.137
1468_1468	1468	1468	1893.085	-307.443	9.721	-19.421	-36.067	379.937
1468_1469	1468	1469	-1893.7	310.201	-9.721	19.421	6.676	-1313.67
1469_1469	1469	1469	1879.272	304.281	-4.932	19.408	-32.519	1273.126
1469_1470	1469	1470	-1878.66	-301.523	4.932	-19.408	47.43	-357.294
1470_1470	1470	1470	1924.136	-91.519	2.607	-0.307	-49.143	357.096
1470_1471	1470	1471	-1921.97	96.24	-2.607	0.307	34.654	-878.908
1471_1471	1471	1471	1923.537	-56.682	4.632	-0.508	-34.256	878.924
1471_1472	1471	1472	-1920.42	63.859	-4.632	0.508	-6.763	-1412.66
1472_1472	1472	1472	1940.874	8.526	-1.988	-0.725	20.861	1412.575
1472_1473	1472	1473	-1936.22	3.335	1.988	0.725	7.81	-1375.15
1473_1473	1473	1473	1948.58	64.881	-0.959	-0.74	6.122	1375.014
1473_1474	1473	1474	-1946.46	-58.872	0.959	0.74	0.794	-928.733
1474_1474	1474	1474	1944.611	103.251	-1.177	-0.616	-0.845	928.733
1474_1475	1474	1475	-1942.63	-97.206	1.177	0.616	9.321	-207.208
1475_1475	1475	1475	1948.078	157.045	0.262	-0.639	3.984	207.119
1475_1476	1475	1476	-1945.37	-147.784	-0.262	0.639	-6.841	1457.618
1476_1476	1476	1476	1941.259	194.414	1.6	0.23	6.548	-1457.62
1476_1477	1476	1477	-1940.46	-191.436	-1.6	-0.23	-12.129	2130.698
1477_1477	1477	1477	1942.076	196.671	6.264	0.213	25.61	-2130.74
1477_1148	1477	1148	-1941.16	-193.171	-6.264	-0.213	-51.264	2929.041
1480_1168	1480	1168	1726.47	-191.339	16.261	0.777	-47.89	-3490.34
1480_1481	1480	1481	-1727.39	194.839	-16.261	-0.777	-18.712	2699.507
1481_1481	1481	1481	1726.342	-190.569	-3.601	-4.348	2.707	-2699.42
1481_1482	1481	1482	-1727.14	193.547	3.601	4.348	9.856	2029.402
1482_1482	1482	1482	1731.284	-152.087	1.558	2.096	-8.14	-2029.41
1482_1483	1482	1483	-1734	161.349	-1.558	-2.096	-8.874	317.644
1483_1483	1483	1483	1708.683	-109.288	0.322	0.904	-4.57	-317.737
1483_1484	1483	1484	-1710.66	115.342	-0.322	-0.904	2.251	-491.862
1484_1484	1484	1484	1712.88	-75.556	0.561	0.887	-2.254	491.862
1484_1485	1484	1485	-1715	81.565	-0.561	-0.887	-1.789	-1058.48
1485_1485	1485	1485	1680.034	-21.396	3.161	0.854	-12.514	1058.389
1485_1486	1485	1486	-1684.69	33.247	-3.161	-0.854	-33.04	-1452.12
1486_1486	1486	1486	1640.409	29.823	-10.404	0.712	19.596	1452.028
1486_1487	1486	1487	-1643.53	-22.647	10.404	-0.712	72.538	-1219.7
1487_1487	1487	1487	1642.732	56.417	-7.255	-0.1	-73.566	1219.642
1487_1488	1487	1488	-1644.9	-51.696	7.255	0.1	113.892	-919.167
1488_1488	1488	1488	1567.586	-275.527	13.521	-34.499	-113.529	918.996
1488_1489	1488	1489	-1568.2	278.284	-13.521	34.499	72.647	-1756.23
1489_1489	1489	1489	1572.136	280.361	-15.089	34.673	-33.597	1766.957
1489_1490	1489	1490	-1571.52	-277.604	15.089	-34.673	79.22	-923.446
1490_1490	1490	1490	1646.302	-49.532	5.851	-0.276	-81.015	923.066
1490_1491	1490	1491	-1644.13	54.252	-5.851	0.276	48.493	-1211.5
1491_1491	1491	1491	1644.895	-20.418	7.57	-0.537	-47.941	1211.522
1491_1492	1491	1492	-1641.78	27.594	-7.57	0.537	-19.098	-1424.11

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1492_1492	1492	1492	1686.662	35.222	-3.026	-0.939	32.11	1423.964
1492_1493	1492	1493	-1682.01	-23.371	3.026	0.939	11.5	-1001.78
1493_1493	1493	1493	1715.733	83.516	-0.683	-1.026	1.988	1001.674
1493_1494	1493	1494	-1713.61	-77.507	0.683	1.026	2.941	-420.988
1494_1494	1494	1494	1711.348	117.309	-0.922	-0.897	-2.984	420.988
1494_1495	1494	1495	-1709.37	-111.255	0.922	0.897	9.631	402.792
1495_1495	1495	1495	1732.081	163.141	-1.377	-0.573	2.641	-402.876
1495_1496	1495	1496	-1729.37	-153.879	1.377	0.573	12.403	2134.217
1496_1496	1496	1496	1725.18	195.316	-1.734	-0.731	-12.291	-2134.22
1496_1497	1496	1497	-1724.39	-192.338	1.734	0.731	18.342	2810.443
1497_1497	1497	1497	1725.537	196.691	-8.165	-0.538	-6.766	-2810.48
1497_1184	1497	1184	-1724.62	-193.192	8.165	0.538	40.204	3608.86
1500_1204	1500	1204	2132.407	-216.436	-29.44	-0.135	33.026	-3497.48
1500_1501	1500	1501	-2133.5	220.575	29.44	0.135	87.544	2602.588
1501_1501	1501	1501	2132.28	-215.268	7.642	0.252	-92.619	-2602.67
1501_1502	1501	1502	-2133.22	218.79	-7.642	-0.252	65.958	1845.496
1502_1502	1502	1502	2137.903	-166.996	6.211	0.587	-66.303	-1845.48
1502_1503	1502	1503	-2141.11	177.939	-6.211	-0.587	-1.474	-36.625
1503_1503	1503	1503	2163.164	-113.942	0.554	0.516	-6.294	36.564
1503_1504	1503	1504	-2165.51	121.102	-0.554	-0.516	2.302	-883.701
1504_1504	1504	1504	2167.734	-70.745	0.857	0.444	-2.334	883.701
1504_1505	1504	1505	-2170.24	77.852	-0.857	-0.444	-3.85	-1419.58
1505_1505	1505	1505	2181.055	-4.14	0.591	0.326	-4.266	1419.516
1505_1506	1505	1506	-2186.56	18.167	-0.591	-0.326	-4.253	-1580.36
1506_1506	1506	1506	2192.751	58.301	1.953	-0.138	-3.794	1580.271
1506_1507	1506	1507	-2196.44	-49.814	-1.953	0.138	-13.499	-1101.55
1507_1507	1507	1507	2194.951	94.985	-0.353	0.719	14.014	1101.543
1507_1508	1507	1508	-2197.49	-89.45	0.353	-0.719	-12.051	-588.969
1508_1508	1508	1508	2175.647	-375.21	-2.823	2.896	15.288	588.995
1508_1509	1508	1509	-2176.37	378.443	2.823	-2.896	-6.752	-1728.34
1509_1509	1509	1509	2176.555	376.601	-1.817	-3.061	6.792	1728.055
1509_1510	1509	1510	-2175.83	-373.378	1.817	3.061	-1.318	-597.923
1510_1510	1510	1510	2202.962	-90.013	2.532	-1.298	-0.861	598.008
1510_1511	1510	1511	-2200.42	95.549	-2.532	1.298	-13.21	-1113.73
1511_1511	1511	1511	2201.919	-50.321	-1.704	0.552	12.259	1113.745
1511_1512	1511	1512	-2198.23	58.808	1.704	-0.552	2.832	-1596.94
1512_1512	1512	1512	2196.774	17.648	-0.024	-0.309	6.042	1596.877
1512_1513	1512	1513	-2191.27	-3.621	0.024	0.309	-5.7	-1443.52
1513_1513	1513	1513	2187.106	77.424	-1.1	-0.404	13.701	1443.443
1513_1514	1513	1514	-2184.6	-70.316	1.1	0.404	-5.77	-910.659
1514_1514	1514	1514	2182.374	121.066	-1.406	-0.408	5.716	910.659
1514_1515	1514	1515	-2180.03	-113.906	1.406	0.408	4.415	-63.785
1515_1515	1515	1515	2160.534	177.951	-13.282	-1.427	3.616	63.699
1515_1516	1515	1516	-2157.33	-167.007	13.282	1.427	141.324	1818.535
1516_1516	1516	1516	2152.651	219.269	-11.837	3.255	-141.652	-1818.51
1516_1517	1516	1517	-2151.71	-215.747	11.837	-3.255	182.949	2577.351
1517_1517	1517	1517	2150.719	220.985	31.847	-0.153	-178.615	-2577.47
1517_1220	1517	1220	-2149.63	-216.846	-31.847	0.153	48.186	3474.04
1520_1241	1520	1241	2077.977	-266.569	-18.315	45.145	-404.281	-5850.3
1520_1521	1520	1521	-2079.29	271.547	18.315	-45.145	479.373	4747.133
1521_1521	1521	1521	2068.272	-265.896	35.814	6.71	-473.478	-4759.92
1521_1522	1521	1522	-2069.4	270.119	-35.814	-6.71	348.754	3826.556
1522_1522	1522	1522	2075.339	-220.994	28.313	0.694	-352.681	-3826.2

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1522_1523	1522	1523	-2079.19	234.144	-28.313	-0.694	43.607	1342.038
1523_1523	1523	1523	2108.222	-172.495	6.217	0.74	-50.788	-1342.03
1523_1524	1523	1524	-2111.03	181.095	-6.217	-0.74	5.979	67.689
1524_1524	1524	1524	2114.676	-132.046	2.538	0.758	-6.002	-67.687
1524_1525	1524	1525	-2117.69	140.584	-2.538	-0.758	-12.303	-915.52
1525_1525	1525	1525	2112.995	-70.766	-1.268	0.223	6.886	914.32
1525_1526	1525	1526	-2119.61	87.606	1.268	-0.223	11.397	-2055.68
1526_1526	1526	1526	2112.473	-16.21	-0.563	-1.915	-14.695	2053.187
1526_1527	1526	1527	-2116.91	26.412	0.563	1.915	19.686	-2242.02
1527_1527	1527	1527	2116.991	17.588	-4.618	2.773	-17.757	2242.035
1527_1528	1527	1528	-2120.02	-10.99	4.618	-2.773	43.428	-2162.61
1528_1528	1528	1528	2069.124	-433.953	0.893	-2.677	-36.705	2161.832
1528_1529	1528	1529	-2069.99	437.803	-0.893	2.677	34.008	-3478.39
1529_1529	1529	1529	2067.81	429.186	4.337	1.538	-33.753	3475.638
1529_1530	1529	1530	-2066.95	-425.336	-4.337	-1.538	20.656	-2185.4
1530_1530	1530	1530	2108.625	-15.977	7.724	-2.412	-27.614	2184.427
1530_1531	1530	1531	-2105.59	22.578	-7.724	2.412	-15.332	-2291.61
1531_1531	1531	1531	2105.624	20.413	5.025	0.226	13.998	2291.62
1531_1532	1531	1532	-2101.19	-10.219	-5.025	-0.226	-58.497	-2155.99
1532_1532	1532	1532	2099.247	83.717	-0.749	-0.894	59.504	2154.542
1532_1533	1532	1533	-2092.63	-66.873	0.749	0.894	-48.705	-1069.05
1533_1533	1533	1533	2091.801	138.26	-2.153	-0.338	51.478	1068.563
1533_1534	1533	1534	-2088.79	-129.722	2.153	0.338	-35.946	-102.155
1534_1534	1534	1534	2085.202	178.288	-3.84	-1.09	35.901	102.166
1534_1535	1534	1535	-2082.39	-169.687	3.84	1.09	-8.218	1152.101
1535_1535	1535	1535	2081.707	231.273	-1.532	0.874	14.089	-1151.06
1535_1536	1535	1536	-2077.85	-218.121	1.532	-0.874	2.638	3604.205
1536_1536	1536	1536	2071.945	268.453	-5.405	-6.04	-0.754	-3604.2
1536_1537	1536	1537	-2070.82	-264.22	5.405	6.04	19.619	4533.852
1537_1537	1537	1537	2071.987	269.352	-12.783	-44.627	-16.068	-4541.95
1537_1255	1537	1255	-2070.68	-264.388	12.783	44.627	68.345	5633.32
1540_1279	1540	1279	2890.861	-263.688	87.818	151.764	694.353	-2505.56
1540_1541	1540	1541	-2892.27	269.038	-87.818	-151.764	-1053.98	1414.766
1541_1541	1541	1541	2952.765	-239.535	-56.805	21.538	1044.798	-1469.95
1541_1542	1541	1542	-2953.98	244.093	56.805	-21.538	-846.465	625.658
1542_1542	1542	1542	2958.911	-172.331	-62.916	-0.336	846.353	-626.18
1542_1543	1542	1543	-2963.06	186.487	62.916	0.336	-159.358	-1332.84
1543_1543	1543	1543	2919.057	-107.533	-7.271	-3.621	153.952	1332.042
1543_1544	1543	1544	-2922.08	116.79	7.271	3.621	-101.534	-2140.61
1544_1544	1544	1544	2923.967	-48.084	-19.185	2.765	104.519	2140.472
1544_1545	1544	1545	-2927.21	57.265	19.185	-2.765	33.758	-2520.13
1545_1545	1545	1545	2918.913	37.93	0.74	-0.692	-34.243	2515.755
1545_1546	1545	1546	-2926.03	-19.808	-0.74	0.692	23.579	-2099.66
1546_1546	1546	1546	2930.546	119.618	7.68	-0.756	-23.584	2097.125
1546_1547	1546	1547	-2935.32	-108.646	-7.68	0.756	-44.425	-1086.42
1547_1547	1547	1547	2932.546	167.625	3.151	-0.014	45.151	1086.393
1547_1548	1547	1548	-2935.8	-160.535	-3.151	0.014	-62.683	-173.465
1548_1548	1548	1548	2929.494	-459.198	-14.521	4.056	71.238	170.432
1548_1549	1548	1549	-2930.42	463.328	14.521	-4.056	-27.394	-1563.11
1549_1549	1549	1549	2947.463	485.033	-20.232	-5.978	27.951	1567.389
1549_1550	1549	1550	-2946.51	-480.972	20.232	5.978	32.254	-130.078
1550_1550	1550	1550	2986.567	-163.321	11.17	-2.005	-34.859	135.063
1550_1551	1550	1551	-2983.13	170.473	-11.17	2.005	-28.359	-1079.63

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1551_1551	1551	1551	2986.285	-101.557	7.141	-1.225	27.656	1079.654
1551_1552	1551	1552	-2981.6	111.925	-7.141	1.225	-87.805	-1978.74
1552_1552	1552	1552	2997.771	5.439	-0.075	-2.29	87.827	1977.005
1552_1553	1552	1553	-2990.64	12.191	0.075	2.29	-86.773	-2024.54
1553_1553	1553	1553	2999.779	99.342	-9.778	-2.834	86.425	2022.401
1553_1554	1553	1554	-2996.55	-90.39	9.778	2.834	-17.542	-1354.09
1554_1554	1554	1554	2993.223	167.392	-13.287	-1.666	16.927	1354.097
1554_1555	1554	1555	-2990.22	-158.356	13.287	1.666	76.726	-206.085
1555_1555	1555	1555	2980.684	260.458	-27.798	-1.479	-74.372	204.551
1555_1556	1555	1556	-2976.65	-246.655	27.798	1.479	370.32	2494.882
1556_1556	1556	1556	2968.555	329.413	-34.527	3.001	-368.688	-2495.12
1556_1557	1556	1557	-2967.38	-324.938	34.527	-3.001	486.935	3615.62
1557_1557	1557	1557	2942.439	350.252	23.544	7.807	-486.009	-3615.27
1557_1291	1557	1291	-2940.57	-342.914	-23.544	-7.807	354.045	5557.863
2000_2000	2000	2000	6.846	17.071	0.034	-0.047	0	-8.901
2000_2001	2000	2001	-20.751	8.725	-0.034	0.047	-0.54	90.202
2001_2001	2001	2001	20.754	-8.725	0.034	0.023	0.54	-90.201
2001_2002	2001	2002	-30.01	25.897	-0.034	-0.023	-0.9	-83.944
2002_2002	2002	2002	30.06	22.504	-0.046	-0.013	0.9	83.875
2002_2003	2002	2003	-26.036	-2.827	0.046	0.013	-0.343	66.476
2003_2003	2003	2003	26.035	2.827	-0.046	-0.02	0.343	-66.476
2003_2004	2003	2004	-22.008	16.867	0.046	0.02	0.215	-22.927
2004_2004	2004	2004	22.006	19.687	0.016	-0.046	-0.215	22.627
2004_2005	2004	2005	-21.929	-0.009	-0.016	0.046	0.026	97.336
2005_2005	2005	2005	21.93	0.009	0.016	0.022	-0.026	-97.335
2005_2006	2005	2006	-21.853	19.686	-0.016	-0.022	-0.163	-22.504
2006_2006	2006	2006	21.868	20.018	-0.004	-0.007	0.163	22.465
2006_2007	2006	2007	-21.455	-0.339	0.004	0.007	-0.112	101.093
2007_2007	2007	2007	21.455	0.339	-0.004	-0.007	0.112	-101.093
2007_2008	2007	2008	-21.042	19.341	0.004	0.007	-0.061	-14.978
2008_2008	2008	2008	21.037	19.494	0.003	0.043	0.061	15.314
2008_2009	2008	2009	-21.01	0.188	-0.003	-0.043	-0.099	102.132
2009_2009	2009	2009	21.01	-0.188	0.003	-0.047	0.099	-102.132
2009_2010	2009	2010	-20.982	19.883	-0.003	0.047	-0.136	-20.272
2010_2010	2010	2010	20.988	19.337	0.002	0.003	0.136	20.274
2010_2011	2010	2011	-21.708	0.345	-0.002	-0.003	-0.165	95.951
2011_2011	2011	2011	21.708	-0.345	0.002	0.003	0.165	-95.951
2011_2012	2011	2012	-22.429	20.026	-0.002	-0.003	-0.194	-27.502
2012_2012	2012	2012	22.446	18.62	-0.007	0.04	0.194	27.223
2012_2013	2012	2013	-20.968	1.057	0.007	-0.04	-0.11	77.779
2013_2013	2013	2013	20.969	-1.057	-0.007	-0.028	0.11	-77.779
2013_2014	2013	2014	-19.49	20.749	0.007	0.028	-0.026	-56.985
2014_2014	2014	2014	19.491	19.057	0.021	0.019	0.026	56.922
2014_2015	2014	2015	-38.613	7.749	-0.021	-0.019	-0.368	56.865
2015_2015	2015	2015	38.551	-7.751	0.02	-0.014	0.366	-56.769
2015_2016	2015	2016	-48.056	21.08	-0.02	0.014	-0.534	-52.183
2016_2016	2016	2016	18.183	19.84	-0.001	0.013	0.519	101.643
2016_2017	2016	2017	-22.394	-1.115	0.001	-0.013	-0.508	26.027
2017_2017	2017	2017	22.395	1.115	-0.001	-0.003	0.508	-26.027
2017_2018	2017	2018	-27.14	19.981	0.001	0.003	-0.498	-93.833
2018_2018	2018	2018	27.14	19.412	0.023	0.006	0.498	93.956
2018_2019	2018	2019	-26.19	0.5	-0.023	-0.006	-0.78	23.247
2019_2019	2019	2019	26.191	-0.5	0.023	-0.013	0.78	-23.247

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2019_2020	2019	2020	-25.241	20.411	-0.023	0.013	-1.064	-108.449
2020_2020	2020	2020	25.213	21.088	0.001	-0.019	1.064	108.473
2020_2021	2020	2021	-24.832	-5.948	-0.001	0.019	-1.074	19.808
2021_2021	2021	2021	24.815	5.948	0	0.004	1.075	-19.786
2021_2022	2021	2022	-24.504	6.39	0	-0.004	-1.078	17.907
2022_2022	2022	2022	24.504	-6.39	0	0.002	1.078	-17.907
2022_2023	2022	2023	-24.192	18.744	0	-0.002	-1.082	-79.723
2023_2023	2023	2023	24.194	19.351	-0.115	-0.019	1.082	79.677
2023_2024	2023	2024	-23.845	-6.614	0.115	0.019	-0.162	23.87
2024_2024	2024	2024	23.845	6.614	-0.115	-0.019	0.162	-23.87
2024_2025	2024	2025	-23.497	6.123	0.115	0.019	0.759	25.565
2025_2025	2025	2025	23.496	-6.123	-0.116	0.009	-0.759	-25.565
2025_2026	2025	2026	-23.147	18.878	0.116	-0.009	1.684	-74.799
2026_2026	2026	2026	23.148	18.927	-0.014	-0.026	-1.684	74.611
2026_2027	2026	2027	-23.241	-9.367	0.014	0.026	1.769	10.369
2027_2027	2027	2027	23.241	9.367	-0.014	-0.04	-1.769	-10.369
2027_2028	2027	2028	-23.333	0.177	0.014	0.04	1.851	37.968
2028_2028	2028	2028	23.333	-0.177	-0.014	0.016	-1.851	-37.968
2028_2029	2028	2029	-23.426	9.737	0.014	-0.016	1.936	8.286
2029_2029	2029	2029	23.426	-9.737	-0.014	0.016	-1.936	-8.286
2029_2030	2029	2030	-23.518	19.298	0.014	-0.016	2.021	-78.779
2030_2030	2030	2030	23.518	18.452	0.07	-0.017	-2.021	78.719
2030_2031	2030	2031	-23.902	-5.706	-0.07	0.017	1.46	18.191
2031_2031	2031	2031	23.902	5.706	0.07	0.008	-1.46	-18.191
2031_2032	2031	2032	-24.285	7.026	-0.07	-0.008	0.904	13.165
2032_2032	2032	2032	24.286	-7.026	0.07	-0.011	-0.904	-13.165
2032_2033	2032	2033	-24.67	19.773	-0.07	0.011	0.343	-93.807
2033_2033	2033	2033	24.674	18.604	0.022	-0.004	-0.343	93.828
2033_2034	2033	2034	-25.075	-6.251	-0.022	0.004	0.174	2.85
2034_2034	2034	2034	25.075	6.251	0.022	-0.008	-0.174	-2.85
2034_2035	2034	2035	-25.476	6.085	-0.022	0.008	0.001	3.789
2035_2035	2035	2035	25.476	-6.085	0.023	-0.01	-0.001	-3.789
2035_2036	2035	2036	-25.968	21.22	-0.023	0.01	-0.213	-125.571
2036_2036	2036	2036	25.914	21.15	0.006	-0.008	0.213	125.591
2036_2037	2036	2037	-26.653	-1.23	-0.006	0.008	-0.293	14.973
2037_2037	2037	2037	26.654	1.23	0.006	-0.006	0.293	-14.973
2037_2038	2037	2038	-27.392	18.674	-0.006	0.006	-0.372	-93.394
2038_2038	2038	2038	27.389	14.011	-0.152	-0.014	0.372	93.417
2038_2039	2038	2039	-19.102	7.08	0.152	0.014	1.639	-56.406
2039_2039	2039	2039	60.371	-4.234	-0.005	-0.009	-0.069	-9.382
2039_2040	2039	2040	-110.173	22.606	0.005	0.009	0.129	-94.459
2040_2040	2040	2040	110.173	19.197	0.017	-0.012	-0.129	94.58
2040_2041	2040	2041	-112.197	-6.301	-0.017	0.012	-0.013	13.649
2041_2041	2041	2041	112.197	6.301	0.017	-0.013	0.013	-13.649
2041_2042	2041	2042	-116.162	18.958	-0.017	0.013	-0.292	-82.688
2042_2042	2042	2042	116.168	20.609	-0.01	0.017	0.292	82.71
2042_2043	2042	2043	-105.688	-1.9	0.01	-0.017	-0.177	40.867
2043_2043	2043	2043	105.688	1.9	-0.01	-0.034	0.177	-40.868
2043_2044	2043	2044	-95.217	16.792	0.01	0.034	-0.063	-59.33
2044_2044	2044	2044	95.213	19.551	0.004	-0.002	0.063	59.472
2044_2045	2044	2045	-88.195	-0.842	-0.004	0.002	-0.11	55.075
2045_2045	2045	2045	88.195	0.842	0.004	-0.002	0.11	-55.075
2045_2046	2045	2046	-81.177	17.867	-0.004	0.002	-0.156	-54.344

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2046_2046	2046	2046	81.196	19.243	0	0.004	0.156	54.126
2046_2047	2046	2047	-74.282	-0.541	0	-0.004	-0.158	56.662
2047_2047	2047	2047	74.282	0.541	0	0.004	0.158	-56.662
2047_2048	2047	2048	-67.368	18.16	0	-0.004	-0.16	-56.337
2048_2048	2048	2048	67.38	18.667	-0.006	-0.012	0.16	56.217
2048_2049	2048	2049	-59.938	0.034	0.006	0.012	-0.089	46.794
2049_2049	2049	2049	59.937	-0.034	-0.006	0.033	0.089	-46.795
2049_2050	2049	2050	-52.495	18.735	0.006	-0.033	-0.018	-73.967
2050_2050	2050	2050	52.51	18.425	0.01	0.017	0.018	73.783
2050_2051	2050	2051	-50.622	6.805	-0.01	-0.017	-0.186	17.929
2051_2051	2051	2051	50.568	-6.805	0.01	0.01	0.184	-17.847
2051_2052	2051	2052	-49.606	19.686	-0.01	-0.01	-0.269	-92.38
2052_2052	2052	2052	49.61	19.774	-0.021	0.014	0.269	92.461
2052_2053	2052	2053	-27.408	-1.409	0.021	-0.014	-0.018	5.68
2053_2053	2053	2053	27.264	2.442	0	0.013	0.013	-6.273
2053_2054	2053	2054	-29.602	17.634	0	-0.013	-0.007	-92.106
2054_2054	2054	2054	29.603	18.27	0.036	0.015	0.007	91.964
2054_2055	2054	2055	-30.428	0.661	-0.036	-0.015	-0.457	19.173
2055_2055	2055	2055	30.428	-0.661	0.036	0.001	0.457	-19.173
2055_2056	2055	2056	-31.253	19.592	-0.036	-0.001	-0.906	-106.304
2056_2056	2056	2056	31.232	20.125	-0.031	0.014	0.906	106.325
2056_2057	2056	2057	-30.468	-5.733	0.031	-0.014	-0.613	15.829
2057_2057	2057	2057	30.45	5.733	-0.031	-0.004	0.612	-15.808
2057_2058	2057	2058	-29.826	6.002	0.031	0.004	-0.373	14.193
2058_2058	2058	2058	29.827	-6.002	-0.031	0.011	0.373	-14.193
2058_2059	2058	2059	-29.204	17.738	0.031	-0.011	-0.134	-78.349
2059_2059	2059	2059	29.206	18.78	-0.096	0.004	0.134	78.342
2059_2060	2059	2060	-27.729	-6.654	0.096	-0.004	0.637	21.962
2060_2060	2060	2060	27.729	6.654	-0.096	0.005	-0.637	-21.962
2060_2061	2060	2061	-26.254	5.456	0.096	-0.005	1.408	25.247
2061_2061	2061	2061	26.254	-5.456	-0.096	0.003	-1.408	-25.247
2061_2062	2061	2062	-24.777	17.582	0.096	-0.003	2.179	-68.478
2062_2062	2062	2062	24.778	18.32	0.005	-0.013	-2.179	68.385
2062_2063	2062	2063	-24.122	-9.244	-0.005	0.013	2.151	13.452
2063_2063	2063	2063	24.122	9.244	0.005	-0.029	-2.151	-13.452
2063_2064	2063	2064	-23.465	-0.153	-0.005	0.029	2.123	40.904
2064_2064	2064	2064	23.465	0.153	0.005	0.031	-2.123	-40.904
2064_2065	2064	2065	-22.808	8.938	-0.005	-0.031	2.096	13.797
2065_2065	2065	2065	22.808	-8.938	0.005	0.031	-2.096	-13.797
2065_2066	2065	2066	-22.152	18.029	-0.005	-0.031	2.068	-67.875
2066_2066	2066	2066	22.154	18.057	0.11	0.006	-2.068	67.703
2066_2067	2066	2067	-21.252	-5.935	-0.11	-0.006	1.185	27.142
2067_2067	2067	2067	21.252	5.935	0.11	0.008	-1.185	-27.142
2067_2068	2067	2068	-20.352	6.173	-0.11	-0.008	0.304	25.033
2068_2068	2068	2068	20.352	-6.173	0.11	0.007	-0.304	-25.033
2068_2069	2068	2069	-19.45	18.295	-0.11	-0.007	-0.578	-74.035
2069_2069	2069	2069	19.452	17.528	0.015	0.005	0.578	73.966
2069_2070	2069	2070	-20.25	-5.784	-0.015	-0.005	-0.692	17.19
2070_2070	2070	2070	20.25	5.784	0.015	0.006	0.692	-17.19
2070_2071	2070	2071	-21.046	5.944	-0.015	-0.006	-0.806	17.358
2071_2071	2071	2071	21.026	-5.944	0.015	0.003	0.811	-17.339
2071_2072	2071	2072	-22.003	20.342	-0.015	-0.003	-0.952	-106.634
2072_2072	2072	2072	22.007	20.413	0.012	0.004	0.952	106.604

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2072_2073	2072	2073	-20.527	-1.483	-0.012	-0.004	-1.104	28.364
2073_2073	2073	2073	20.527	1.483	0.012	0.004	1.104	-28.364
2073_2074	2073	2074	-19.048	17.446	-0.012	-0.004	-1.256	-73.239
2074_2074	2074	2074	19.052	14.268	-0.254	-0.002	1.256	73.295
2074_2075	2074	2075	0.382	5.799	0.254	0.002	2.112	-38.286
2075_2075	2075	2075	45.192	-3.12	-0.01	-0.001	0.186	-34.784
2075_2076	2075	2076	-88.904	20.537	0.01	0.001	-0.068	-53.984
2076_2076	2076	2076	88.896	17.83	0.012	-0.045	0.068	53.979
2076_2077	2076	2077	-86.263	-5.609	-0.012	0.045	-0.169	40.213
2077_2077	2077	2077	86.188	5.609	0.012	0.018	0.171	-40.084
2077_2078	2077	2078	-81.502	16.134	-0.012	-0.018	-0.349	-41.575
2078_2078	2078	2078	81.495	17.838	-0.011	-0.006	0.349	41.815
2078_2079	2078	2079	-77.057	-1.167	0.011	0.006	-0.231	60.1
2079_2079	2079	2079	77.057	1.167	-0.011	-0.003	0.231	-60.1
2079_2080	2079	2080	-72.623	15.489	0.011	0.003	-0.113	-25.424
2080_2080	2080	2080	72.624	16.768	0.001	-0.035	0.113	25.427
2080_2081	2080	2081	-69.792	-0.101	-0.001	0.035	-0.122	66.26
2081_2081	2081	2081	69.793	0.101	0.001	0.032	0.122	-66.26
2081_2082	2081	2082	-66.961	16.566	-0.001	-0.032	-0.13	-29.567
2082_2082	2082	2082	66.975	18.073	-0.001	-0.032	0.13	29.429
2082_2083	2082	2083	-63.886	-0.175	0.001	0.032	-0.118	77.105
2083_2083	2083	2083	63.886	0.175	-0.001	0.035	0.118	-77.105
2083_2084	2083	2084	-60.794	17.738	0.001	-0.035	-0.105	-32.776
2084_2084	2084	2084	60.804	16.804	-0.002	-0.025	0.105	32.771
2084_2085	2084	2085	-58.565	-0.14	0.002	0.025	-0.08	59.667
2085_2085	2085	2085	58.564	0.14	-0.002	0.035	0.08	-59.667
2085_2086	2085	2086	-56.327	16.51	0.002	-0.035	-0.056	-35.172
2086_2086	2086	2086	56.319	16.185	0.007	-0.015	0.056	35.412
2086_2087	2086	2087	-53.288	0.479	-0.007	0.015	-0.139	48.939
2087_2087	2087	2087	53.287	-0.479	0.007	0.031	0.139	-48.94
2087_2088	2087	2088	-50.255	17.143	-0.007	-0.031	-0.223	-54.155
2088_2088	2088	2088	50.262	15.162	-0.015	0.007	0.223	54.153
2088_2089	2088	2089	-54.118	5.768	0.015	-0.007	-0.01	16.135
2089_2089	2089	2089	54.066	-5.768	-0.015	0.006	0.009	-16.061
2089_2090	2089	2090	-56.317	17.983	0.015	-0.006	0.116	-79.56
2090_2090	2090	2090	56.324	18.031	0	0.006	-0.116	79.768
2090_2091	2090	2091	-37.074	-0.614	0	-0.006	0.12	6.224
2091_2091	2091	2091	37.279	1.516	0.029	0.006	-0.23	-6.964
2091_2092	2091	2092	-41.663	17.816	-0.029	-0.006	-0.149	-96.552
2092_2092	2092	2092	41.664	17.883	-0.008	0.006	0.149	96.403
2092_2093	2092	2093	-41.642	0.351	0.008	-0.006	-0.048	13.361
2093_2093	2093	2093	41.643	-0.351	-0.008	-0.004	0.048	-13.361
2093_2094	2093	2094	-41.62	18.599	0.008	0.004	0.053	-104.901
2094_2094	2094	2094	41.636	19.299	-0.008	0.005	-0.053	104.869
2094_2095	2094	2095	-41.154	-5.43	0.008	-0.005	0.133	12.24
2095_2095	2095	2095	41.089	5.43	-0.009	-0.007	-0.134	-12.153
2095_2096	2095	2096	-40.696	5.87	0.009	0.007	0.201	10.123
2096_2096	2096	2096	40.696	-5.87	-0.009	0.004	-0.201	-10.123
2096_2097	2096	2097	-40.303	17.184	0.009	-0.004	0.267	-79.576
2097_2097	2097	2097	40.309	17.937	0.009	-0.002	-0.267	79.445
2097_2098	2097	2098	-39.366	-6.273	-0.009	0.002	0.196	16.316
2098_2098	2098	2098	39.366	6.273	0.009	-0.002	-0.196	-16.316
2098_2099	2098	2099	-38.422	5.405	-0.009	0.002	0.126	18.798

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2099_2099	2099	2099	38.422	-5.405	0.009	-0.002	-0.126	-18.798
2099_2100	2099	2100	-37.478	17.083	-0.009	0.002	0.055	-72.177
2100_2100	2100	2100	37.476	17.549	-0.005	0	-0.055	72.149
2100_2101	2100	2101	-37.135	-8.79	0.005	0	0.083	6.47
2101_2101	2101	2101	37.135	8.79	-0.005	0	-0.083	-6.47
2101_2102	2101	2102	-36.794	-0.046	0.005	0	0.112	32.518
2102_2102	2102	2102	36.794	0.046	-0.005	-0.001	-0.112	-32.518
2102_2103	2102	2103	-36.452	8.713	0.005	0.001	0.14	6.083
2103_2103	2103	2103	36.452	-8.713	-0.005	-0.001	-0.14	-6.083
2103_2104	2103	2104	-36.11	17.472	0.005	0.001	0.169	-72.924
2104_2104	2104	2104	36.11	17.253	-0.005	0.013	-0.169	72.928
2104_2105	2104	2105	-35.806	-5.574	0.005	-0.013	0.208	17.879
2105_2105	2105	2105	35.806	5.574	-0.005	-0.004	-0.208	-17.879
2105_2106	2105	2106	-35.502	6.09	0.005	0.004	0.248	15.273
2106_2106	2106	2106	35.502	-6.09	-0.005	-0.005	-0.248	-15.273
2106_2107	2106	2107	-35.198	17.769	0.005	0.005	0.289	-80.748
2107_2107	2107	2107	35.198	16.994	0.004	0.001	-0.289	80.777
2107_2108	2107	2108	-35.6	-5.68	-0.004	-0.001	0.258	7.471
2108_2108	2108	2108	35.6	5.68	0.004	-0.004	-0.258	-7.472
2108_2109	2108	2109	-36.001	5.619	-0.004	0.004	0.228	8.053
2109_2109	2109	2109	36.024	-5.619	0.004	0.001	-0.23	-8.081
2109_2110	2109	2110	-36.517	19.488	-0.004	-0.001	0.193	-110.807
2110_2110	2110	2110	36.508	19.367	0.032	0.005	-0.193	110.81
2110_2111	2110	2111	-36.47	-1.135	-0.032	-0.005	-0.203	16.862
2111_2111	2111	2111	36.469	1.135	0.032	-0.006	0.203	-16.862
2111_2112	2111	2112	-36.431	17.111	-0.032	0.006	-0.599	-83.419
2112_2112	2112	2112	36.432	13.452	-0.142	-0.005	0.599	83.449
2112_2113	2112	2113	-21.202	5.889	0.142	0.005	1.288	-50.474
2113_2113	2113	2113	62.743	-3.54	0.003	-0.007	0.231	-16.676
2113_2114	2113	2114	-105.484	20.638	-0.003	0.007	-0.266	-75.604
2114_2114	2114	2114	105.476	17.328	-0.009	-0.069	0.266	75.614
2114_2115	2114	2115	-106.425	-5.314	0.009	0.069	-0.188	19.585
2115_2115	2115	2115	106.429	5.314	-0.009	0.028	0.188	-19.584
2115_2116	2115	2116	-108.113	16.006	0.009	-0.028	-0.051	-55.528
2116_2116	2116	2116	108.115	18.079	0.003	-0.036	0.051	55.358
2116_2117	2116	2117	-100.891	-1.711	-0.003	0.036	-0.081	47.921
2117_2117	2117	2117	100.892	1.711	0.003	0.025	0.081	-47.92
2117_2118	2117	2118	-93.668	14.658	-0.003	-0.025	-0.112	-32.812
2118_2118	2118	2118	93.664	16.908	-0.002	0.032	0.112	32.81
2118_2119	2118	2119	-88.863	-0.541	0.002	-0.032	-0.088	60.023
2119_2119	2119	2119	88.862	0.541	-0.002	-0.036	0.088	-60.023
2119_2120	2119	2120	-84.056	15.841	0.002	0.036	-0.065	-31.29
2120_2120	2120	2120	84.068	18.146	-0.003	0.002	0.065	31.1
2120_2121	2120	2121	-78.761	-0.556	0.003	-0.002	-0.033	75.853
2121_2121	2121	2121	78.761	0.556	-0.003	0.002	0.033	-75.853
2121_2122	2121	2122	-73.454	17.034	0.003	-0.002	-0.001	-29.706
2122_2122	2122	2122	73.454	16.829	-0.003	0.005	0.001	29.706
2122_2123	2122	2123	-69.185	-0.449	0.003	-0.005	0.03	62.477
2123_2123	2123	2123	69.185	0.449	-0.003	0.006	-0.03	-62.477
2123_2124	2123	2124	-64.92	15.917	0.003	-0.006	0.061	-29.465
2124_2124	2124	2124	64.918	16.228	0.004	0.034	-0.061	29.477
2124_2125	2124	2125	-60.084	0.138	-0.004	-0.034	0.013	55
2125_2125	2125	2125	60.085	-0.138	0.004	-0.018	-0.013	-55

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2125_2126	2125	2126	-55.246	16.519	-0.004	0.018	-0.034	-44.656
2126_2126	2126	2126	55.267	14.798	-0.026	0.018	0.034	44.484
2126_2127	2126	2127	-57.037	5.397	0.026	-0.018	0.331	22.493
2127_2127	2127	2127	57.038	-5.397	-0.026	-0.005	-0.331	-22.492
2127_2128	2127	2128	-58.093	17.423	0.026	0.005	0.548	-70.696
2128_2128	2128	2128	58.086	17.749	0.045	0.006	-0.548	70.536
2128_2129	2128	2129	-38.419	-0.655	-0.045	-0.006	0.016	12.837
2129_2129	2129	2129	38.682	1.554	0.141	0.005	-0.474	-13.502
2129_2130	2129	2130	-44.03	17.759	-0.141	-0.005	-1.394	-88.512
2130_2130	2130	2130	44.032	17.247	-0.197	0.004	1.394	88.399
2130_2131	2130	2131	-44.497	0.959	0.197	-0.004	1.075	14.286
2131_2131	2131	2131	44.498	-0.959	-0.197	-0.006	-1.075	-14.286
2131_2132	2131	2132	-44.962	19.151	0.197	0.006	3.542	-110.415
2132_2132	2132	2132	41.617	18.377	0.27	-0.011	-3.542	84.709
2132_2133	2132	2133	-41.62	-4.54	-0.27	0.011	0.972	24.067
2133_2133	2133	2133	41.62	4.54	0.269	0.004	-0.972	-24.067
2133_2134	2133	2134	-41.622	6.747	-0.269	-0.004	-1.111	15.449
2134_2134	2134	2134	41.622	-6.747	0.269	0.004	1.111	-15.449
2134_2135	2134	2135	-41.625	18.05	-0.269	-0.004	-3.198	-80.83
2135_2135	2135	2135	41.639	18.375	-0.106	-0.007	3.198	81
2135_2136	2135	2136	-40.351	-6.722	0.106	0.007	-2.348	18.101
2136_2136	2136	2136	40.351	6.722	-0.109	0.012	2.348	-18.101
2136_2137	2136	2137	-39.063	4.932	0.109	-0.012	-1.477	23.958
2137_2137	2137	2137	39.063	-4.932	-0.106	-0.013	1.477	-23.959
2137_2138	2137	2138	-37.775	16.585	0.106	0.013	-0.628	-63.428
2138_2138	2138	2138	37.774	17.412	-0.01	0	0.628	63.429
2138_2139	2138	2139	-37.38	-8.671	0.01	0	-0.567	14.312
2139_2139	2139	2139	37.38	8.671	-0.01	0	0.567	-14.312
2139_2140	2139	2140	-36.985	0.069	0.01	0	-0.506	39.602
2140_2140	2140	2140	36.985	-0.069	-0.01	0	0.506	-39.602
2140_2141	2140	2141	-36.591	8.809	0.01	0	-0.445	12.441
2141_2141	2141	2141	36.591	-8.809	-0.01	0	0.445	-12.441
2141_2142	2141	2142	-36.197	17.549	0.01	0	-0.384	-67.17
2142_2142	2142	2142	36.204	17.141	-0.033	0.011	0.384	67.015
2142_2143	2142	2143	-35.837	-5.502	0.033	-0.011	-0.118	22.698
2143_2143	2143	2143	35.837	5.502	-0.031	-0.012	0.118	-22.698
2143_2144	2143	2144	-35.47	6.152	0.031	0.012	0.126	19.337
2144_2144	2144	2144	35.47	-6.152	-0.033	0.006	-0.126	-19.337
2144_2145	2144	2145	-35.102	17.806	0.033	-0.006	0.393	-77.271
2145_2145	2145	2145	35.098	16.866	-0.016	-0.003	-0.393	77.407
2145_2146	2145	2146	-36.119	-5.577	0.016	0.003	0.517	10.644
2146_2146	2146	2146	36.119	5.577	-0.016	-0.003	-0.517	-10.644
2146_2147	2146	2147	-37.141	5.713	0.016	0.003	0.641	11.189
2147_2147	2147	2147	37.22	-5.712	-0.018	0.002	-0.645	-11.281
2147_2148	2147	2148	-38.473	19.551	0.018	-0.002	0.819	-107.429
2148_2148	2148	2148	38.494	19.565	0.042	-0.01	-0.819	107.428
2148_2149	2148	2149	-37.566	-1.357	-0.042	0.01	0.289	21.875
2149_2149	2149	2149	37.567	1.357	0.041	0.004	-0.289	-21.875
2149_2150	2149	2150	-36.639	16.838	-0.041	-0.004	-0.217	-76.299
2150_2150	2150	2150	36.636	12.966	-0.065	-0.017	0.217	76.301
2150_2151	2150	2151	-17.224	6.335	0.065	0.017	0.642	-54.599
2151_2151	2151	2151	67.055	-3.564	-0.004	0.001	-0.092	-26.244
2151_2152	2151	2152	-114.089	21.418	0.004	-0.001	0.142	-66.968

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2152_2152	2152	2152	114.092	17.161	0.001	-0.01	-0.142	66.968
2152_2153	2152	2153	-115.424	-4.625	-0.001	0.01	0.134	25.088
2153_2153	2153	2153	115.617	4.625	0.001	-0.009	-0.133	-25.429
2153_2154	2153	2154	-117.846	16.251	-0.001	0.009	0.121	-50.824
2154_2154	2154	2154	117.843	18.401	0.002	-0.005	-0.121	50.823
2154_2155	2154	2155	-109.875	-1.688	-0.002	0.005	0.102	51.115
2155_2155	2155	2155	109.875	1.688	0.002	-0.005	-0.102	-51.115
2155_2156	2155	2156	-101.907	15.026	-0.002	0.005	0.084	-30.827
2156_2156	2156	2156	101.9	16.315	0.003	-0.031	-0.084	30.824
2156_2157	2156	2157	-96.996	-1.105	-0.003	0.031	0.056	51.095
2157_2157	2157	2157	96.996	1.105	0.002	0.032	-0.056	-51.095
2157_2158	2157	2158	-92.087	14.119	-0.002	-0.032	0.038	-19.406
2158_2158	2158	2158	92.091	15.111	0.002	0.006	-0.038	19.22
2158_2159	2158	2159	-87.473	0.099	-0.002	-0.006	0.014	50.815
2159_2159	2159	2159	87.473	-0.099	0.002	0.006	-0.014	-50.815
2159_2160	2159	2160	-82.854	15.308	-0.002	-0.006	-0.009	-31.42
2160_2160	2160	2160	82.834	16.466	0	0.01	0.009	31.6
2160_2161	2160	2161	-77.137	0.248	0	-0.01	-0.011	50.952
2161_2161	2161	2161	77.137	-0.248	0	0.01	0.011	-50.952
2161_2162	2161	2162	-71.44	16.961	0	-0.01	-0.014	-50.377
2162_2162	2162	2162	71.434	15.428	0.007	0.017	0.014	50.376
2162_2163	2162	2163	-72.971	5.464	-0.007	-0.017	-0.111	20.164
2163_2163	2163	2163	73.12	-5.464	0.008	0.001	0.112	-20.371
2163_2164	2163	2164	-74.044	17.984	-0.008	-0.001	-0.177	-75.033
2164_2164	2164	2164	74.049	18.846	-0.01	0.008	0.177	75.034
2164_2165	2164	2165	-51.472	-0.993	0.01	-0.008	-0.056	13.139
2165_2165	2165	2165	51.626	1.881	0.008	0.007	0.037	-13.412
2165_2166	2165	2166	-55.848	18.788	-0.008	-0.007	-0.142	-93.933
2166_2166	2166	2166	55.837	18.888	-0.002	0.001	0.142	93.936
2166_2167	2166	2167	-56.397	0.611	0.002	-0.001	-0.121	21.112
2167_2167	2167	2167	56.397	-0.611	-0.002	0.001	0.121	-21.112
2167_2168	2167	2168	-56.957	20.11	0.002	-0.001	-0.1	-107.621
2168_2168	2168	2168	56.978	20.659	-0.003	-0.01	0.1	107.504
2168_2169	2168	2169	-56.698	-5.855	0.003	0.01	-0.076	18.184
2169_2169	2169	2169	56.775	5.855	-0.002	-0.007	0.075	-18.28
2169_2170	2169	2170	-56.547	6.234	0.002	0.007	-0.056	16.696
2170_2170	2170	2170	56.548	-6.234	-0.004	0.011	0.056	-16.696
2170_2171	2170	2171	-56.319	18.324	0.004	-0.011	-0.023	-78.6
2171_2171	2171	2171	56.314	19.364	-0.001	-0.011	0.023	78.749
2171_2172	2171	2172	-54.919	-6.885	0.001	0.011	-0.013	24.881
2172_2172	2172	2172	54.918	6.885	-0.003	0.016	0.013	-24.88
2172_2173	2172	2173	-53.523	5.595	0.003	-0.016	0.01	28.66
2173_2173	2173	2173	53.523	-5.595	-0.001	-0.015	-0.01	-28.66
2173_2174	2173	2174	-52.128	18.074	0.001	0.015	0.02	-67.411
2174_2174	2174	2174	52.135	18.803	0	0.001	-0.02	67.249
2174_2175	2174	2175	-51.613	-9.444	0	-0.001	0.023	16.92
2175_2175	2175	2175	51.613	9.444	-0.001	0.001	-0.023	-16.92
2175_2176	2175	2176	-51.092	-0.1	0.001	-0.001	0.026	44.922
2176_2176	2176	2176	51.092	0.1	0	0	-0.026	-44.922
2176_2177	2176	2177	-50.57	9.26	0	0	0.029	16.851
2177_2177	2177	2177	50.57	-9.26	0	0	-0.029	-16.851
2177_2178	2177	2178	-50.047	18.619	0	0	0.032	-67.387
2178_2178	2178	2178	50.046	18.446	0.001	0.015	-0.032	67.549

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2178_2179	2178	2179	-49.45	-5.967	-0.001	-0.015	0.024	29.258
2179_2179	2179	2179	49.45	5.967	0.003	-0.016	-0.024	-29.258
2179_2180	2179	2180	-48.854	6.513	-0.003	0.016	0.003	26.213
2180_2180	2180	2180	48.854	-6.513	0.001	0.01	-0.003	-26.213
2180_2181	2180	2181	-48.258	18.992	-0.001	-0.01	-0.006	-76.685
2181_2181	2181	2181	48.244	18.029	0.002	-0.004	0.006	76.686
2181_2182	2181	2182	-49.066	-5.94	-0.002	0.004	-0.02	16.988
2182_2182	2182	2182	49.066	5.94	0.002	-0.004	0.02	-16.988
2182_2183	2182	2183	-49.889	6.15	-0.002	0.004	-0.034	16.954
2183_2183	2183	2183	49.994	-6.15	0	0.007	0.029	-17.074
2183_2184	2183	2184	-51.001	20.953	0	-0.007	-0.031	-110.597
2184_2184	2184	2184	51.04	20.893	-0.005	-0.013	0.031	110.703
2184_2185	2184	2185	-50.03	-1.394	0.005	0.013	0.037	27.251
2185_2185	2185	2185	50.032	1.394	-0.007	0.005	-0.037	-27.251
2185_2186	2185	2186	-49.022	18.105	0.007	-0.005	0.119	-78.573
2186_2186	2186	2186	49.01	14.955	0.002	-0.024	-0.119	78.575
2186_2187	2186	2187	-31.375	5.714	-0.002	0.024	0.098	-37.27
2187_2187	2187	2187	76.214	-3.316	0.001	0.003	-0.012	-36.034
2187_2188	2187	2188	-122.611	22.435	-0.001	-0.003	-0.002	-59.16
2188_2188	2188	2188	122.615	19.021	-0.002	-0.011	0.002	59.159
2188_2189	2188	2189	-118.457	-5.613	0.002	0.011	0.017	38.042
2189_2189	2189	2189	119.791	5.602	-0.002	-0.013	-0.017	-36.746
2189_2190	2189	2190	-112.83	16.772	0.002	0.013	0.049	-47.123
2190_2190	2190	2190	112.827	19.234	0.001	-0.009	-0.049	47.122
2190_2191	2190	2191	-107.029	-1.335	-0.001	0.009	0.041	59.248
2191_2191	2191	2191	107.029	1.335	0.001	-0.009	-0.041	-59.248
2191_2192	2191	2192	-101.232	16.563	-0.001	0.009	0.033	-31.299
2192_2192	2192	2192	101.221	17.336	0.002	0.031	-0.033	31.296
2192_2193	2192	2193	-96.948	-0.918	-0.002	-0.031	0.015	55.723
2193_2193	2193	2193	96.948	0.918	0.002	-0.038	-0.015	-55.723
2193_2194	2193	2194	-92.675	15.5	-0.002	0.038	-0.01	-22.941
2194_2194	2194	2194	92.663	16.197	0	-0.029	0.01	22.936
2194_2195	2194	2195	-88.525	0.221	0	0.029	-0.007	52.568
2195_2195	2195	2195	88.525	-0.221	-0.001	0.033	0.007	-52.568
2195_2196	2195	2196	-84.387	16.639	0.001	-0.033	0.003	-37.612
2196_2196	2196	2196	84.372	17.482	0	0.006	-0.003	37.606
2196_2197	2196	2197	-79.707	0.416	0	-0.006	0.004	50.279
2197_2197	2197	2197	79.707	-0.416	0	0.007	-0.004	-50.28
2197_2198	2197	2198	-75.046	18.298	0	-0.007	0.006	-58.563
2198_2198	2198	2198	75.04	16.54	0.003	0.009	-0.006	58.561
2198_2199	2198	2199	-77.896	5.834	-0.003	-0.009	-0.033	17.988
2199_2199	2199	2199	78.002	-5.833	0.003	0.009	0.036	-18.13
2199_2200	2199	2200	-79.715	19.257	-0.003	-0.009	-0.06	-83.624
2200_2200	2200	2200	79.727	20.327	-0.001	0.011	0.06	83.63
2200_2201	2200	2201	-54.973	-1.208	0.001	-0.011	-0.046	12.443
2201_2201	2201	2201	56.413	2.187	0.013	0.004	0.147	-14.854
2201_2202	2201	2202	-60.3	20.198	-0.013	-0.004	-0.322	-100.332
2202_2202	2202	2202	60.298	20.4	-0.009	0.009	0.322	100.337
2202_2203	2202	2203	-60.865	0.734	0.009	-0.009	-0.205	23.673
2203_2203	2203	2203	60.865	-0.734	-0.009	-0.008	0.205	-23.672
2203_2204	2203	2204	-61.432	21.868	0.009	0.008	-0.098	-116.539
2204_2204	2204	2204	61.469	22.363	0.012	0.011	0.098	116.548
2204_2205	2204	2205	-61.368	-6.301	-0.012	-0.011	-0.208	19.556

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2205_2205	2205	2205	61.533	6.301	0.013	-0.005	0.214	-19.747
2205_2206	2205	2206	-61.451	6.803	-0.013	0.005	-0.311	17.742
2206_2206	2206	2206	61.451	-6.803	0.013	-0.004	0.311	-17.742
2206_2207	2206	2207	-61.37	19.889	-0.013	0.004	-0.408	-85.63
2207_2207	2207	2207	61.356	20.815	-0.049	0.007	0.408	85.784
2207_2208	2207	2208	-60.119	-7.289	0.049	-0.007	-0.017	25.34
2208_2208	2208	2208	60.119	7.289	-0.048	-0.022	0.017	-25.34
2208_2209	2208	2209	-58.882	6.237	0.048	0.022	0.366	28.237
2209_2209	2209	2209	58.882	-6.237	-0.049	0.01	-0.366	-28.237
2209_2210	2209	2210	-57.645	19.763	0.049	-0.01	0.758	-77.093
2210_2210	2210	2210	57.65	20.37	-0.012	0.001	-0.758	77.093
2210_2211	2210	2211	-57.135	-10.226	0.012	-0.001	0.83	14.078
2211_2211	2211	2211	57.135	10.226	-0.012	0.001	-0.83	-14.078
2211_2212	2211	2212	-56.621	-0.081	0.012	-0.001	0.902	44.371
2212_2212	2212	2212	56.621	0.081	-0.012	0.001	-0.902	-44.371
2212_2213	2212	2213	-56.106	10.064	0.012	-0.001	0.973	13.787
2213_2213	2213	2213	56.106	-10.064	-0.012	0.001	-0.973	-13.787
2213_2214	2213	2214	-55.591	20.208	0.012	-0.001	1.045	-77.674
2214_2214	2214	2214	55.585	20.11	0.049	-0.006	-1.045	77.487
2214_2215	2214	2215	-54.988	-6.584	-0.049	0.006	0.652	28.39
2215_2215	2215	2215	54.988	6.584	0.049	-0.005	-0.652	-28.39
2215_2216	2215	2216	-54.391	6.925	-0.049	0.005	0.259	26.114
2216_2216	2216	2216	54.392	-6.925	0.048	0.021	-0.259	-26.114
2216_2217	2216	2217	-53.794	20.451	-0.048	-0.021	-0.125	-84.323
2217_2217	2217	2217	53.789	19.538	-0.024	-0.01	0.125	84.472
2217_2218	2217	2218	-54.409	-6.435	0.024	0.01	0.059	16.791
2218_2218	2218	2218	54.409	6.435	-0.025	0.006	-0.059	-16.791
2218_2219	2218	2219	-55.029	6.669	0.025	-0.006	0.254	16.49
2219_2219	2219	2219	55.073	-6.668	-0.025	0.003	-0.255	-16.535
2219_2220	2219	2220	-55.832	22.731	0.025	-0.003	0.492	-122.39
2220_2220	2220	2220	55.867	22.778	0.101	0.011	-0.492	122.307
2220_2221	2220	2221	-54.397	-1.664	-0.101	-0.011	-0.774	28.363
2221_2221	2221	2221	54.396	1.664	0.102	-0.008	0.774	-28.363
2221_2222	2221	2222	-52.926	19.468	-0.102	0.008	-2.051	-84.886
2222_2222	2222	2222	52.937	16.405	-0.493	0.005	2.051	85.027
2222_2223	2222	2223	-37.371	5.994	0.493	-0.005	4.479	-34.188
2223_2223	2223	2223	76.889	-3.614	-0.006	-0.015	-0.064	-29.274
2223_2224	2223	2224	-123.942	24.317	0.006	0.015	0.135	-79.684
2224_2224	2224	2224	123.94	22.166	0.018	-0.021	-0.135	79.859
2224_2225	2224	2225	-120.015	-7.629	-0.018	0.021	-0.01	39.223
2225_2225	2225	2225	120.239	7.627	0.017	0.005	0.01	-39.599
2225_2226	2225	2226	-112.547	20.882	-0.017	-0.005	-0.292	-75.135
2226_2226	2226	2226	112.544	22.74	-0.005	0.223	0.292	74.861
2226_2227	2226	2227	-105.915	-1.226	0.005	-0.223	-0.236	63.977
2227_2227	2227	2227	105.909	1.226	-0.004	-0.221	0.236	-63.979
2227_2228	2227	2228	-99.28	20.29	0.004	0.221	-0.188	-59.899
2228_2228	2228	2228	99.222	22.018	0.016	0.037	0.188	60.019
2228_2229	2228	2229	-93.693	-0.5	-0.016	-0.037	-0.38	71.093
2229_2229	2229	2229	93.693	0.5	0.016	-0.028	0.38	-71.093
2229_2230	2229	2230	-88.164	21.019	-0.016	0.028	-0.572	-60.6
2230_2230	2230	2230	88.131	21.671	-0.008	0.356	0.572	60.792
2230_2231	2230	2231	-83.529	0.006	0.008	-0.356	-0.479	66.794
2231_2231	2231	2231	83.533	-0.006	-0.006	-0.341	0.479	-66.792

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2231_2232	2231	2232	-78.934	21.671	0.006	0.341	-0.4	-72.157
2232_2232	2232	2232	78.879	21.733	0.015	0.024	0.4	72.018
2232_2233	2232	2233	-77.031	2.914	-0.015	-0.024	-0.603	56.747
2233_2233	2233	2233	77.299	-2.915	0.015	-0.021	0.6	-57.058
2233_2234	2233	2234	-75.924	21.127	-0.015	0.021	-0.751	-69.317
2234_2234	2234	2234	75.955	19.019	-0.055	0.075	0.751	69.324
2234_2235	2234	2235	-62.572	1.08	0.055	-0.075	-0.12	15.683
2235_2235	2235	2235	63.667	-0.448	-0.308	-0.093	2.487	-17.465
2235_2236	2235	2236	-67.45	19.028	0.308	0.093	0.574	-75.487
2236_2236	2236	2236	67.38	18.898	0.188	-0.012	-0.574	75.643
2236_2237	2236	2237	-67.661	0.751	-0.188	0.012	-1.394	20.083
2237_2237	2237	2237	67.66	-0.751	0.187	0	1.394	-20.083
2237_2238	2237	2238	-67.951	21.055	-0.187	0	-3.427	-97.6
2238_2238	2238	2238	68.107	23.071	-0.173	0.136	3.427	97.611
2238_2239	2238	2239	-68.632	-3.441	0.173	-0.136	-1.616	42.128
2239_2239	2239	2239	68.629	3.441	-0.172	-0.11	1.616	-42.129
2239_2240	2239	2240	-69.331	22.796	0.172	0.11	0.798	-92.436
2240_2240	2240	2240	69.397	21.026	-0.035	-0.01	-0.795	92.288
2240_2241	2240	2241	-67.679	-3.48	0.035	0.01	1.126	20.857
2241_2241	2241	2241	67.679	3.48	-0.035	0.004	-1.126	-20.857
2241_2242	2241	2242	-65.799	15.716	0.035	-0.004	1.488	-43.681
2242_2242	2242	2242	65.806	17.869	-0.069	0.008	-1.488	43.771
2242_2243	2242	2243	-64.977	0.576	0.069	-0.008	2.164	40.532
2243_2243	2243	2243	64.977	-0.576	-0.069	-0.009	-2.164	-40.532
2243_2244	2243	2244	-64.153	18.89	0.069	0.009	2.835	-55.522
2244_2244	2244	2244	64.128	19.158	0.017	0.118	-2.835	55.536
2244_2245	2244	2245	-63.593	-2.053	-0.017	-0.118	2.682	40.669
2245_2245	2245	2245	63.592	2.053	0.017	-0.099	-2.682	-40.67
2245_2246	2245	2246	-62.978	17.577	-0.017	0.099	2.5	-41.471
2246_2246	2246	2246	62.972	16.215	-0.028	0.007	-2.5	41.46
2246_2247	2246	2247	-62.146	3.039	0.028	-0.007	2.787	25.122
2247_2247	2247	2247	62.146	-3.039	-0.028	-0.001	-2.787	-25.122
2247_2248	2247	2248	-61.395	20.546	0.028	0.001	3.048	-86.18
2248_2248	2248	2248	61.349	22.207	0.262	0.292	-3.048	85.855
2248_2249	2248	2249	-62.548	1.669	-0.262	-0.292	-0.295	45.87
2249_2249	2249	2249	62.644	-1.668	0.264	-0.313	0.293	-45.966
2249_2250	2249	2250	-63.745	23.655	-0.264	0.313	-3.399	-101.976
2250_2250	2250	2250	63.78	21.354	-0.132	-0.003	3.399	101.978
2250_2251	2250	2251	-65.099	4.715	0.132	0.003	-1.563	15.148
2251_2251	2251	2251	65.1	-4.715	-0.132	0.005	1.563	-15.148
2251_2252	2251	2252	-65.83	19.141	0.132	-0.005	-0.546	-76.021
2252_2252	2252	2252	65.599	19.043	0.046	-0.006	0.546	75.985
2252_2253	2252	2253	-55.177	-0.122	-0.046	0.006	-1.013	8.62
2253_2253	2253	2253	55.205	0.122	0.047	-0.014	1.013	-8.628
2253_2254	2253	2254	-42.641	22.689	-0.047	0.014	-1.588	-143.555
2254_2254	2254	2254	99.331	19.281	-0.128	-0.034	2.116	52.391
2254_2255	2254	2255	-117.408	-1.468	0.128	0.034	-0.96	63.643
2255_2255	2255	2255	117.412	1.468	-0.128	0.029	0.96	-63.643
2255_2256	2255	2256	-147.148	27.833	0.128	-0.029	0.942	-94.76
2256_2256	2256	2256	147.121	23.986	0.067	0.248	-0.934	94.599
2256_2257	2256	2257	-146.202	-1.878	-0.067	-0.248	0.187	49.598
2257_2257	2257	2257	146.214	1.878	0.067	-0.238	-0.187	-49.594
2257_2258	2257	2258	-145.239	21.56	-0.067	0.238	-0.602	-67.609

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2258_2258	2258	2258	145.251	22.368	-0.003	-0.009	0.602	67.823
2258_2259	2258	2259	-147.137	0.548	0.003	0.009	-0.568	61.424
2259_2259	2259	2259	147.137	-0.548	-0.003	0.021	0.568	-61.424
2259_2260	2259	2260	-149.001	23.206	0.003	-0.021	-0.534	-72.039
2260_2260	2260	2260	148.996	21.734	0.002	0.53	0.534	71.949
2260_2261	2260	2261	-152.802	1.281	-0.002	-0.53	-0.557	51.707
2261_2261	2261	2261	152.807	-1.281	0.002	-0.526	0.557	-51.7
2261_2262	2261	2262	-156.533	23.816	-0.002	0.526	-0.577	-86.929
2262_2262	2262	2262	156.553	22.988	0.026	-0.016	0.577	86.838
2262_2263	2262	2263	-159.152	1.959	-0.026	0.016	-0.908	48.783
2263_2263	2263	2263	159.15	-1.959	0.026	0.018	0.908	-48.784
2263_2264	2263	2264	-161.573	25.21	-0.026	-0.018	-1.216	-108.353
2264_2264	2264	2264	161.604	23.324	-0.038	0.164	1.216	108.631
2264_2265	2264	2265	-161.841	1.93	0.038	-0.164	-0.728	27.826
2265_2265	2265	2265	162.044	-1.93	-0.038	-0.202	0.747	-28.183
2265_2266	2265	2266	-162.26	25.209	0.038	0.202	-0.302	-131.876
2266_2266	2266	2266	162.294	26.217	0.036	0	0.302	131.739
2266_2267	2266	2267	-137.122	-5.638	-0.036	0	-0.672	2.548
2267_2267	2267	2267	137.128	5.638	0.036	-0.039	0.672	-2.547
2267_2268	2267	2268	-114.345	12.988	-0.036	0.039	-1.007	-60.655
2268_2268	2268	2268	64.577	22.819	-0.07	-0.005	0.996	141.854
2268_2269	2268	2269	-77.358	-0.592	0.07	0.005	-0.225	1.973
2269_2269	2269	2269	77.366	0.592	-0.07	-0.017	0.225	-1.976
2269_2270	2269	2270	-92.644	25.979	0.07	0.017	0.701	-148.993
2270_2270	2270	2270	92.661	34.653	0.029	-0.019	-0.701	149.098
2270_2271	2270	2271	-57.758	-11.211	-0.029	0.019	0.365	81.883
2271_2271	2271	2271	57.786	11.209	0.029	-0.019	-0.365	-81.903
2271_2272	2271	2272	-19.765	14.329	-0.029	0.019	0	22.014
2372_2372	2372	2372	17.993	10.147	-0.137	-0.038	0	-23.92
2372_2373	2372	2373	-50.129	8.312	0.137	0.038	1.69	70.442
2373_2373	2373	2373	50.129	-8.312	-0.137	0.019	-1.69	-70.442
2373_2374	2373	2374	-81.546	26.358	0.137	-0.019	3.341	-104.519
2374_2374	2374	2374	81.501	20.213	0.103	-0.003	-3.341	103.896
2374_2375	2374	2375	-72.88	-1.968	-0.103	0.003	2.089	22.194
2375_2375	2375	2375	72.88	1.968	0.103	0.005	-2.089	-22.194
2375_2376	2375	2376	-65.363	13.938	-0.103	-0.005	0.997	-49.657
2376_2376	2376	2376	65.349	15.264	0.14	0.161	-0.997	49.573
2376_2377	2376	2377	-65.936	1.507	-0.14	-0.161	-0.577	27.994
2377_2377	2377	2377	65.934	-1.507	0.139	-0.166	0.577	-27.997
2377_2378	2377	2378	-66.487	17.317	-0.139	0.166	-2.049	-71.245
2378_2378	2378	2378	66.491	18.143	-0.048	0.011	2.049	71.233
2378_2379	2378	2379	-67.025	1.262	0.048	-0.011	-1.428	38.345
2379_2379	2379	2379	67.025	-1.262	-0.048	-0.017	1.428	-38.346
2379_2380	2379	2380	-67.488	18.082	0.048	0.017	-0.889	-70.568
2380_2380	2380	2380	67.635	15.123	-0.092	0.007	0.885	70.414
2380_2381	2380	2381	-69.783	1.313	0.092	-0.007	0.131	7.978
2381_2381	2381	2381	69.78	-1.313	-0.093	-0.028	-0.131	-7.978
2381_2382	2381	2382	-71.702	16.02	0.093	0.028	1.047	-75.151
2382_2382	2382	2382	71.712	18.074	0.035	-0.017	-1.047	74.753
2382_2383	2382	2383	-62.849	0.573	-0.035	0.017	0.616	23.794
2383_2383	2383	2383	62.849	-0.573	0.035	-0.008	-0.616	-23.794
2383_2384	2383	2384	-54.894	17.309	-0.035	0.008	0.229	-85.914
2384_2384	2384	2384	77.635	17.941	0	-0.026	-0.052	49.16

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2384_2385	2384	2385	-66.765	-1.78	0	0.026	0.051	45.751
2385_2385	2385	2385	66.766	1.78	0	0.017	-0.051	-45.751
2385_2386	2385	2386	-54.778	16.043	0	-0.017	0.048	-53.968
2386_2386	2386	2386	54.859	18.404	-0.002	0.253	-0.046	53.765
2386_2387	2386	2387	-56.52	-0.067	0.002	-0.253	0.068	63.365
2387_2387	2387	2387	56.507	0.067	-0.003	-0.248	-0.068	-63.37
2387_2388	2387	2388	-58.125	17.791	0.003	0.248	0.099	-40.664
2388_2388	2388	2388	58.123	18.555	0.008	-0.019	-0.099	40.733
2388_2389	2388	2389	-57.529	0.795	-0.008	0.019	-0.01	75.087
2389_2389	2389	2389	57.53	-0.795	0.008	0.054	0.01	-75.086
2389_2390	2389	2390	-57.013	17.632	-0.008	-0.054	-0.105	-29.725
2390_2390	2390	2390	57.005	18.264	0.001	0.319	0.105	29.745
2390_2391	2390	2391	-57.267	1.568	-0.001	-0.319	-0.12	82.693
2391_2391	2391	2391	57.26	-1.568	0	-0.337	0.12	-82.696
2391_2392	2391	2392	-57.476	17.935	0	0.337	-0.124	-24.432
2392_2392	2392	2392	57.497	17.907	0.004	0.019	0.124	24.132
2392_2393	2392	2393	-58.393	1.205	-0.004	-0.019	-0.169	84.786
2393_2393	2393	2393	58.393	-1.205	0.004	0.037	0.169	-84.786
2393_2394	2393	2394	-59.194	18.273	-0.004	-0.037	-0.21	-26.31
2394_2394	2394	2394	59.175	17.98	0.013	0.425	0.21	26.628
2394_2395	2394	2395	-59.883	-0.392	-0.013	-0.425	-0.364	83.088
2395_2395	2395	2395	59.888	0.392	0.012	-0.345	0.364	-83.089
2395_2396	2395	2396	-60.638	18.221	-0.012	0.345	-0.517	-28.171
2396_2396	2396	2396	60.651	16.728	-0.035	0.039	0.517	28.004
2396_2397	2396	2397	-64.681	1.26	0.035	-0.039	-0.098	70.096
2397_2397	2397	2397	64.682	-1.26	-0.035	0.02	0.098	-70.096
2397_2398	2397	2398	-68.76	19.463	0.035	-0.02	0.327	-52.932
2398_2398	2398	2398	68.77	19.349	0.156	0.187	-0.327	52.92
2398_2399	2398	2399	-68.019	-0.422	-0.156	-0.187	-1.671	72.004
2399_2399	2399	2399	68.023	0.422	0.156	-0.14	1.671	-72.001
2399_2400	2399	2400	-67.274	18.454	-0.156	0.14	-3.659	-44.194
2400_2400	2400	2400	67.281	19.308	-0.249	0.037	3.659	44.292
2400_2401	2400	2401	-18.36	2.435	0.249	-0.037	0	24.607
2572_2572	2572	2572	17.833	10.218	-0.151	-0.012	0	-23.902
2572_2573	2572	2573	-50.228	8.261	0.151	0.012	1.864	71.518
2573_2573	2573	2573	50.228	-8.261	-0.151	0.004	-1.864	-71.518
2573_2574	2573	2574	-81.637	26.177	0.151	-0.004	3.672	-100.516
2574_2574	2574	2574	81.668	19.984	0.146	0.002	-3.672	100.994
2574_2575	2574	2575	-72.948	-2.021	-0.146	-0.002	1.912	21.697
2575_2575	2575	2575	72.948	2.021	0.146	-0.006	-1.912	-21.697
2575_2576	2575	2576	-65.303	13.726	-0.146	0.006	0.369	-48.383
2576_2576	2576	2576	65.288	15.292	0.092	0.164	-0.369	48.211
2576_2577	2576	2577	-65.677	1.53	-0.092	-0.164	-0.669	29.555
2577_2577	2577	2577	65.675	-1.53	0.092	-0.169	0.669	-29.558
2577_2578	2577	2578	-66.046	17.603	-0.092	0.169	-1.661	-73.077
2578_2578	2578	2578	66.034	18.022	-0.028	-0.016	1.661	73.09
2578_2579	2578	2579	-67.049	1.195	0.028	0.016	-1.299	35.512
2579_2579	2579	2579	67.05	-1.195	-0.028	0.015	1.299	-35.511
2579_2580	2579	2580	-67.942	18.094	0.028	-0.015	-0.98	-73.226
2580_2580	2580	2580	68.089	15.299	-0.105	-0.002	0.978	73.261
2580_2581	2580	2581	-69.171	1.087	0.105	0.002	0.173	6.25
2581_2581	2581	2581	69.169	-1.087	-0.105	-0.019	-0.173	-6.25
2581_2582	2581	2582	-70.137	15.739	0.105	0.019	1.202	-74.833

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2582_2582	2582	2582	70.093	18.22	0.05	-0.01	-1.202	75.123
2582_2583	2582	2583	-61.037	0.204	-0.05	0.01	0.581	24.853
2583_2583	2583	2583	61.037	-0.204	0.05	-0.004	-0.581	-24.853
2583_2584	2583	2584	-52.777	17.008	-0.05	0.004	0.015	-82.054
2584_2584	2584	2584	74.986	17.81	-0.005	-0.011	0.016	46.22
2584_2585	2584	2585	-65.065	-1.703	0.005	0.011	0.04	48.218
2585_2585	2585	2585	65.065	1.703	-0.005	0.006	-0.04	-48.218
2585_2586	2585	2586	-54.118	16.068	0.005	-0.006	0.102	-50.736
2586_2586	2586	2586	54.196	18.343	0.001	0.28	-0.095	50.969
2586_2587	2586	2587	-56.334	-0.212	-0.001	-0.28	0.086	65.733
2587_2587	2587	2587	56.324	0.212	0.001	-0.269	-0.086	-65.739
2587_2588	2587	2588	-58.442	17.746	-0.001	0.269	0.075	-37.356
2588_2588	2588	2588	58.44	18.458	0.007	0.035	-0.075	37.443
2588_2589	2588	2589	-58.118	0.73	-0.007	-0.035	-0.018	77.397
2589_2589	2589	2589	58.118	-0.73	0.007	-0.006	0.018	-77.397
2589_2590	2589	2590	-57.834	17.623	-0.007	0.006	-0.099	-27.173
2590_2590	2590	2590	57.834	18.198	0.001	0.295	0.099	27.099
2590_2591	2590	2591	-58.332	1.522	-0.001	-0.295	-0.114	84.768
2591_2591	2591	2591	58.327	-1.522	0.001	-0.305	0.114	-84.771
2591_2592	2591	2592	-58.741	17.878	-0.001	0.305	-0.128	-21.555
2592_2592	2592	2592	58.723	17.757	0.007	0.052	0.128	22.071
2592_2593	2592	2593	-59.883	1.118	-0.007	-0.052	-0.213	85.356
2593_2593	2593	2593	59.883	-1.118	0.007	0	0.213	-85.357
2593_2594	2593	2594	-60.941	18.332	-0.007	0	-0.29	-26.3
2594_2594	2594	2594	60.973	17.946	-0.005	0.481	0.29	25.625
2594_2595	2594	2595	-61.291	-0.368	0.005	-0.481	-0.233	83.369
2595_2595	2595	2595	61.296	0.368	-0.005	-0.401	0.233	-83.37
2595_2596	2595	2596	-61.63	18.134	0.005	0.401	-0.176	-27.154
2596_2596	2596	2596	61.636	16.469	0.033	0.038	0.176	27.134
2596_2597	2596	2597	-66.498	1.494	-0.033	-0.038	-0.578	68.476
2597_2597	2597	2597	66.498	-1.494	0.033	0.018	0.578	-68.476
2597_2598	2597	2598	-71.403	19.612	-0.033	-0.018	-0.983	-55.666
2598_2598	2598	2598	71.437	19.767	-0.087	0.215	0.983	55.402
2598_2599	2598	2599	-67.397	-0.896	0.087	-0.215	0.127	72.304
2599_2599	2599	2599	67.398	0.896	-0.087	-0.166	-0.127	-72.301
2599_2600	2599	2600	-63.368	17.926	0.087	0.166	1.233	-39.713
2600_2600	2600	2600	63.347	18.639	0.108	0.012	-1.233	39.498
2600_2601	2600	2601	-18.112	-1.758	-0.108	-0.012	0	24.611
3000_3000	3000	3000	67.006	456.281	-0.386	2.722	0	-322.668
3000_3001	3000	3001	-52.239	-412.783	0.386	-2.722	5.761	6736.893
3001_3001	3001	3001	52.24	412.783	-0.391	-4.696	-5.761	-6736.9
3001_3002	3001	3002	-41.947	-382.466	0.391	4.696	9.827	10823.8
3002_3002	3002	3002	41.931	325.348	1.138	11.323	-9.827	-10824
3002_3003	3002	3003	-32.518	-289.888	-1.138	-11.323	-4.007	14522.08
3003_3003	3003	3003	32.516	289.888	1.13	-12.889	4.007	-14522.1
3003_3004	3003	3004	-23.098	-254.405	-1.13	12.889	-17.76	17790.83
3004_3004	3004	3004	23.105	211.885	0.414	8.077	17.76	-17791.2
3004_3005	3004	3005	-16.448	-176.411	-0.414	-8.077	-22.8	20123.12
3005_3005	3005	3005	16.448	176.411	0.41	-9.769	22.8	-20123.1
3005_3006	3005	3006	-9.787	-140.911	-0.41	9.769	-27.796	22024.65
3006_3006	3006	3006	9.777	97.735	-0.104	18.72	27.796	-22025
3006_3007	3006	3007	-6.317	-62.267	0.104	-18.72	-26.527	22982.81
3007_3007	3007	3007	6.317	62.267	-0.112	-19.802	26.527	-22982.8

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3007_3008	3007	3008	-2.855	-26.778	0.112	19.802	-25.17	23509.45
3008_3008	3008	3008	2.867	-15.93	0.654	8.746	25.17	-23510.1
3008_3009	3008	3009	-2.757	51.413	-0.654	-8.746	-33.127	23100.69
3009_3009	3009	3009	2.757	-51.413	0.651	-9.474	33.127	-23100.7
3009_3010	3009	3010	-2.647	86.892	-0.651	9.474	-41.042	22259.62
3010_3010	3010	3010	2.64	-130.002	-0.223	16.105	41.042	-22260
3010_3011	3010	3011	-5.614	165.477	0.223	-16.105	-38.334	20477.2
3011_3011	3011	3011	5.613	-165.477	-0.229	-16.083	38.334	-20477.2
3011_3012	3011	3012	-8.586	200.946	0.229	16.083	-35.544	18263.29
3012_3012	3012	3012	8.584	-243.244	0.045	5.984	35.544	-18263.7
3012_3013	3012	3013	-14.231	278.735	-0.045	-5.984	-36.093	15114.18
3013_3013	3013	3013	14.231	-278.735	0.042	-5.765	36.093	-15114.2
3013_3014	3013	3014	-19.877	314.222	-0.042	5.765	-36.6	11533.08
3014_3014	3014	3014	19.879	-355.574	0.202	3.745	36.6	-11533.3
3014_3015	3014	3015	-27.024	403.559	-0.202	-3.745	-39.93	5321.483
3015_3015	3015	3015	25.558	-402.411	0.171	-3.081	39.672	-5275.06
3015_3016	3015	3016	-30.957	424.858	-0.171	3.083	-41.079	1881.684
3016_3016	3016	3016	70.566	-472.599	1.171	-1.306	47.21	-2026.7
3016_3017	3016	3017	-81.494	504.707	-1.171	1.289	-60.979	-3675.22
3017_3017	3017	3017	96.023	-502.389	1.165	1.356	61.183	3673.023
3017_3018	3017	3018	-106.391	541.29	-1.165	-1.385	-76.654	-10552.6
3018_3018	3018	3018	125.83	-587.647	0.289	-12.841	75.581	10552.95
3018_3019	3018	3019	-134.676	626.227	-0.289	12.891	-79.203	-18122.6
3019_3019	3019	3019	151.869	-622.831	0.282	13.505	82.166	18123.41
3019_3020	3019	3020	-159.287	663.897	-0.282	-13.449	-85.705	-26173.7
3020_3020	3020	3020	-2416.25	206.426	-10.527	-5.233	254.889	5458.542
3020_3021	3020	3021	2416.226	-179.87	10.527	5.233	-154.951	-3624.84
3021_3021	3021	3021	-2416.32	179.87	-5.745	1.939	153.353	3625.264
3021_3022	3021	3022	2416.312	-160.293	5.745	-1.939	-108.815	-2306.79
3022_3022	3022	3022	-2416.31	160.293	-5.745	1.939	108.815	2306.787
3022_3023	3022	3023	2416.3	-140.716	5.745	-1.939	-64.277	-1140.08
3023_3023	3023	3023	-2416.34	93.83	-9.037	-0.353	64.277	1140.125
3023_3024	3023	3024	2416.042	-73.623	9.037	0.353	8.038	-469.027
3024_3024	3024	3024	-2416.04	73.623	-9.037	-0.353	-8.038	469.027
3024_3025	3024	3025	2415.744	-53.415	9.037	0.353	80.353	40.365
3025_3025	3025	3025	-2415.75	53.415	-6.323	-0.32	-80.353	-40.365
3025_3026	3025	3026	2415.455	-33.235	6.323	0.32	130.881	387.686
3026_3026	3026	3026	-2415.44	-13.199	-5.21	-0.216	-130.881	-387.766
3026_3027	3026	3027	2414.671	28.354	5.21	0.216	162.144	266.099
3027_3027	3027	3027	-2414.68	-28.354	-1.179	-0.55	-162.144	-266.098
3027_3028	3027	3028	2413.909	43.506	1.179	0.55	169.221	53.529
3028_3028	3028	3028	-2413.91	-43.506	-1.179	-0.55	-169.221	-53.529
3028_3029	3028	3029	2413.142	58.658	1.179	0.55	176.298	-249.952
3029_3029	3029	3029	-2413.14	-58.658	2.852	-0.043	-176.298	249.953
3029_3030	3029	3030	2412.374	73.807	-2.852	0.043	159.189	-644.274
3030_3030	3030	3030	-2412.38	-120.633	1.711	-2.818	-159.189	644.231
3030_3031	3030	3031	2410.622	140.859	-1.711	2.818	145.483	-1684.42
3031_3031	3031	3031	-2410.62	-140.859	4.436	-0.883	-145.483	1684.419
3031_3032	3031	3032	2408.864	161.056	-4.436	0.883	110.005	-2884.84
3032_3032	3032	3032	-2408.86	-161.056	7.461	2.746	-110.005	2884.838
3032_3033	3032	3033	2407.103	181.252	-7.461	-2.746	50.34	-4246.63
3033_3033	3033	3033	-2407.11	-229.991	4.316	-9.756	-50.34	4246.762
3033_3034	3033	3034	2404.942	249.553	-4.316	9.756	16.91	-6095.49

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3034_3034	3034	3034	-2404.92	-249.553	10.859	6.675	-16.91	6095.499
3034_3035	3034	3035	2402.751	269.135	-10.859	-6.675	-67.294	-8097.92
3035_3035	3035	3035	-2403.8	-269.147	9.557	2.095	68.145	8102.97
3035_3036	3035	3036	2401.257	295.727	-9.557	-2.095	-158.963	-10776.8
3036_3036	3036	3036	164.837	553.016	0.594	-12.246	-12.356	32945.58
3036_3037	3036	3037	-160.559	-511.949	-0.594	12.276	4.885	-26283.2
3037_3037	3037	3037	146.383	515.346	0.573	10.559	-7.248	26282.45
3037_3038	3037	3038	-141.661	-476.738	-0.573	-10.532	0.057	-20091.6
3038_3038	3038	3038	125.707	436.619	-0.165	-4.309	1.148	20091.97
3038_3039	3038	3039	-120.794	-397.705	0.165	4.306	1.042	-14587
3039_3039	3039	3039	655.032	393.126	-0.482	3.094	9.664	11658.74
3039_3040	3039	3040	-658.406	-361.133	0.482	-3.103	-3.999	-7328.84
3040_3040	3040	3040	650.312	312.524	0.293	0.622	4.127	7330.157
3040_3041	3040	3041	-630.549	-290.485	-0.293	-0.628	-6.548	-4961.16
3041_3041	3041	3041	716.536	293.154	0.116	-0.71	7.888	4525.882
3041_3042	3041	3042	-638.407	-254.833	-0.116	0.71	-9.744	-491.859
3042_3042	3042	3042	638.411	209.382	0.017	2.4	9.744	491.888
3042_3043	3042	3043	-583.414	-180.773	-0.017	-2.4	-9.943	1591.369
3043_3043	3043	3043	583.413	180.773	-0.011	-2.823	9.943	-1591.37
3043_3044	3043	3044	-528.42	-152.166	0.011	2.823	-9.816	3332.532
3044_3044	3044	3044	528.435	112.096	0.1	6.786	9.816	-3332.61
3044_3045	3044	3045	-475.746	-83.49	-0.1	-6.786	-11.013	4261.619
3045_3045	3045	3045	475.746	83.49	0.043	-6.888	11.013	-4261.62
3045_3046	3045	3046	-423.021	-54.865	-0.043	6.888	-11.531	4849.037
3046_3046	3046	3046	423.028	14.5	-0.056	0.369	11.531	-4849.13
3046_3047	3046	3047	-373.151	14.097	0.056	-0.369	-10.865	4622.932
3047_3047	3047	3047	373.151	-14.097	-0.058	-0.115	10.865	-4622.93
3047_3048	3047	3048	-323.232	42.718	0.058	0.115	-10.172	4054.421
3048_3048	3048	3048	323.24	-83.448	0.027	0.145	10.172	-4054.51
3048_3049	3048	3049	-275.852	112.063	-0.027	-0.145	-10.492	2666.928
3049_3049	3049	3049	275.852	-112.063	0.029	0.421	10.492	-2666.93
3049_3050	3049	3050	-228.503	140.655	-0.029	-0.421	-10.837	938.797
3050_3050	3050	3050	228.498	-182.767	-0.24	0.11	10.837	-938.802
3050_3051	3050	3051	-167.106	221.051	0.24	-0.11	-6.996	-2575.88
3051_3051	3051	3051	166.29	-219.322	-0.259	1.188	6.866	2593.138
3051_3052	3051	3052	-136.564	239.734	0.259	-1.189	-4.727	-4627.61
3052_3052	3052	3052	143.468	-284.917	0.715	-1.583	4.663	4628.443
3052_3053	3052	3053	-108.204	314.389	-0.715	1.582	-13.071	-8339.11
3053_3053	3053	3053	105.234	-311.65	0.578	4.134	17.969	8403.563
3053_3054	3053	3054	-86.438	349.382	-0.578	-4.13	-25.641	-12928.3
3054_3054	3054	3054	100.529	-391.827	0.709	-14.261	24.157	12930.52
3054_3055	3054	3055	-95.482	429.064	-0.709	14.29	-33.048	-18178.7
3055_3055	3055	3055	107.497	-425.014	0.656	16.338	36.361	18181.81
3055_3056	3055	3056	-111.196	464.425	-0.656	-16.306	-44.613	-23846.3
3056_3056	3056	3056	-1972.49	269.472	-7.748	-3.896	145.184	7545.481
3056_3057	3056	3057	1981.697	-243.717	7.748	3.896	-71.564	-5149.32
3057_3057	3057	3057	-1983.3	243.716	-4.975	3.501	72.134	5119.251
3057_3058	3057	3058	1990.858	-223.177	4.975	-3.501	-33.59	-3345.03
3058_3058	3058	3058	-1990.86	223.177	-4.975	3.501	33.59	3345.034
3058_3059	3058	3059	1998.419	-202.639	4.975	-3.501	4.954	-1729.94
3059_3059	3059	3059	-1998.44	156.846	-7.918	-0.578	-4.954	1729.966
3059_3060	3059	3060	2005.8	-135.618	7.918	0.578	68.356	-592.681
3060_3060	3060	3060	-2005.81	135.618	-5.391	0.996	-68.356	592.679

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3060_3061	3060	3061	2013.156	-114.418	5.391	-0.996	111.469	373.45
3061_3061	3061	3061	-2013.16	114.418	-5.391	0.996	-111.469	-373.45
3061_3062	3061	3062	2020.504	-93.218	5.391	-0.996	154.581	1170.044
3062_3062	3062	3062	-2020.49	48.848	-0.031	0.636	-154.581	-1170.1
3062_3063	3062	3063	2025.501	-32.936	0.031	-0.636	154.765	1392.318
3063_3063	3063	3063	-2025.5	32.936	-0.031	0.636	-154.765	-1392.32
3063_3064	3063	3064	2030.508	-17.025	0.031	-0.636	154.948	1519.031
3064_3064	3064	3064	-2030.51	17.025	-0.031	0.636	-154.948	-1519.03
3064_3065	3064	3065	2035.516	-1.113	0.031	-0.636	155.132	1550.243
3065_3065	3065	3065	-2035.51	1.113	3.353	-0.062	-155.132	-1550.24
3065_3066	3065	3066	2040.511	14.77	-3.353	0.062	135.043	1486.153
3066_3066	3066	3066	-2040.51	-59.3	4.815	-0.474	-135.043	-1486.25
3066_3067	3066	3067	2046.47	80.521	-4.815	0.474	96.501	898.522
3067_3067	3067	3067	-2046.47	-80.521	4.815	-0.474	-96.501	-898.522
3067_3068	3067	3068	2052.433	101.742	-4.815	0.474	57.96	140.919
3068_3068	3068	3068	-2052.42	-101.742	10.065	2.359	-57.96	-140.922
3068_3069	3068	3069	2058.369	122.934	-10.065	-2.359	-22.497	-785.144
3069_3069	3069	3069	-2058.39	-167.425	4.913	-5.571	22.497	785.155
3069_3070	3069	3070	2064.121	187.98	-4.913	5.571	-60.593	-2190.22
3070_3070	3070	3070	-2064.11	-187.98	7.543	-1.146	60.593	2190.22
3070_3071	3070	3071	2069.831	208.507	-7.543	1.146	-119.001	-3752.42
3071_3071	3071	3071	-2066.71	-208.505	10.452	6.011	121.245	3776.688
3071_3072	3071	3072	2073.559	234.269	-10.452	-6.011	-220.593	-5913.72
3072_3072	3072	3072	66.942	502.941	-0.241	-6.731	34.689	21841.5
3072_3073	3072	3073	-34.201	-463.924	0.241	6.771	-31.662	-15840.8
3073_3073	3073	3073	21.308	467.971	-0.265	7.618	30.059	15838.8
3073_3074	3073	3074	12.737	-431.216	0.265	-7.582	-26.738	-10269.5
3074_3074	3074	3074	-27.413	393.256	-0.508	0.417	27.347	10268.67
3074_3075	3074	3075	56.7	-355.958	0.508	-0.413	-20.598	-5337.63
3075_3075	3075	3075	441.852	352.469	-0.923	-0.031	14.947	2603.812
3075_3076	3075	3076	-441.778	-324.002	0.923	0.025	-4.089	1315.085
3076_3076	3076	3076	434.436	279.651	0.644	6.968	4.005	-1314.33
3076_3077	3076	3077	-423.637	-259.999	-0.644	-6.969	-9.31	3476.009
3077_3077	3077	3077	390.807	262.619	0.605	-6.609	10.489	-3443.08
3077_3078	3077	3078	-360.183	-225.832	-0.605	6.609	-19.288	6852.653
3078_3078	3078	3078	360.181	186.71	-0.149	-0.153	19.288	-6852.81
3078_3079	3078	3079	-337.716	-158.306	0.149	0.153	-17.617	8685.002
3079_3079	3079	3079	337.716	158.306	-0.149	-0.153	17.617	-8685
3079_3080	3079	3080	-315.251	-129.902	0.149	0.153	-15.946	10198.14
3080_3080	3080	3080	315.251	94.202	-0.171	5.457	15.946	-10198.3
3080_3081	3080	3081	-294.95	-65.775	0.171	-5.457	-14.023	11001.08
3081_3081	3081	3081	294.95	65.775	-0.195	-5.542	14.023	-11001.1
3081_3082	3081	3082	-274.667	-37.375	0.195	5.542	-11.833	11483.98
3082_3082	3082	3082	274.669	-1.032	0.01	5.582	11.833	-11484.2
3082_3083	3082	3083	-255.402	31.556	-0.01	-5.582	-11.957	11194.68
3083_3083	3083	3083	255.402	-31.556	-0.014	-5.357	11.957	-11194.7
3083_3084	3083	3084	-236.119	62.104	0.014	5.357	-11.787	10536.05
3084_3084	3084	3084	236.122	-100.552	-0.011	5.016	11.787	-10536.2
3084_3085	3084	3085	-220.564	128.948	0.011	-5.016	-11.66	9171.344
3085_3085	3085	3085	220.564	-128.948	-0.037	-4.418	11.66	-9171.34
3085_3086	3085	3086	-204.992	157.367	0.037	4.418	-11.239	7486.012
3086_3086	3086	3086	204.995	-194.328	-0.16	2.82	11.239	-7486.18
3086_3087	3086	3087	-191.68	222.746	0.16	-2.82	-9.446	5075.822

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3087_3087	3087	3087	191.679	-222.746	-0.184	-2.029	9.446	-5075.82
3087_3088	3087	3088	-178.376	251.138	0.184	2.029	-7.384	2348.751
3088_3088	3088	3088	178.376	-288.606	-0.186	-0.297	7.384	-2348.78
3088_3089	3088	3089	-163.646	323.98	0.186	0.297	-4.787	-2011.53
3089_3089	3089	3089	166.752	-322.23	-0.203	1.252	4.836	2062.353
3089_3090	3089	3090	-157.964	343.058	0.203	-1.253	-3.159	-4851.95
3090_3090	3090	3090	166.781	-383.601	0.018	-4.511	2.999	4852.576
3090_3091	3090	3091	-157.334	413.569	-0.018	4.502	-3.207	-9592.68
3091_3091	3091	3091	157.465	-409.726	-0.182	4.372	5.68	9655.789
3091_3092	3091	3092	-153.057	446.77	0.182	-4.381	-3.271	-15381.9
3092_3092	3092	3092	169.689	-488.419	0.893	-8.169	2.282	15383.76
3092_3093	3092	3093	-170.475	525.075	-0.893	8.192	-13.488	-21771.7
3093_3093	3093	3093	185.032	-519.975	0.87	8.896	15.302	21774.45
3093_3094	3093	3094	-188.878	558.84	-0.87	-8.87	-26.244	-28577.9
3094_3094	3094	3094	-2231.75	239.159	-4.124	-7.756	10.98	8109.404
3094_3095	3094	3095	2236.455	-213.844	4.124	7.756	28.218	-5977.5
3095_3095	3095	3095	-2238.32	213.855	0.828	5.537	-28.209	5986.571
3095_3096	3095	3096	2241.975	-193.822	-0.828	-5.537	21.798	-4424.42
3096_3096	3096	3096	-2241.98	193.822	0.915	5.713	-21.798	4424.418
3096_3097	3096	3097	2245.632	-173.764	-0.915	-5.713	14.704	-3015.66
3097_3097	3097	3097	-2245.65	129.877	-2.826	-2.169	-14.704	3015.715
3097_3098	3097	3098	2249.094	-109.172	2.826	2.169	37.318	-2074.54
3098_3098	3098	3098	-2249.1	109.172	0.057	0.944	-37.318	2074.54
3098_3099	3098	3099	2252.533	-88.494	-0.057	-0.944	36.863	-1299.96
3099_3099	3099	3099	-2252.53	88.494	0.135	1.004	-36.863	1299.955
3099_3100	3099	3100	2255.976	-67.79	-0.135	-1.004	35.784	-689.986
3100_3100	3100	3100	-2255.93	24.788	8.748	4.594	-35.784	689.96
3100_3101	3100	3101	2258.04	-9.261	-8.748	-4.594	-16.72	-597.427
3101_3101	3101	3101	-2258.04	9.261	8.748	4.594	16.72	597.427
3101_3102	3101	3102	2260.15	6.267	-8.748	-4.594	-69.224	-598.088
3102_3102	3102	3102	-2260.14	-6.267	-11.117	-5.845	69.224	598.086
3102_3103	3102	3103	2262.248	21.772	11.117	5.845	-2.594	-691.742
3103_3103	3103	3103	-2262.26	-21.772	-7.04	-3.484	2.594	691.748
3103_3104	3103	3104	2264.374	37.303	7.04	3.484	39.666	-878.709
3104_3104	3104	3104	-2264.37	-80.373	-1.494	-1.952	-39.666	878.712
3104_3105	3104	3105	2266.527	101.08	1.494	1.952	51.622	-1615.1
3105_3105	3105	3105	-2266.53	-101.08	1.377	0.916	-51.622	1615.102
3105_3106	3105	3106	2268.682	121.76	-1.377	-0.916	40.615	-2515.96
3106_3106	3106	3106	-2268.68	-121.76	1.466	1.04	-40.615	2515.962
3106_3107	3106	3107	2270.839	142.466	-1.466	-1.04	28.882	-3583.57
3107_3107	3107	3107	-2270.84	-185.812	0.855	-3.353	-28.882	3583.624
3107_3108	3107	3108	2272.705	205.87	-0.855	3.353	22.252	-5111.07
3108_3108	3108	3108	-2272.71	-205.87	0.768	-3.572	-22.252	5111.073
3108_3109	3108	3109	2274.566	225.903	-0.768	3.572	16.302	-6791.77
3109_3109	3109	3109	-2274.99	-225.905	3.219	4.588	-17.211	6793.87
3109_3110	3109	3110	2277.374	251.218	-3.219	-4.588	-13.381	-9072.63
3110_3110	3110	3110	175.442	541.888	-0.716	-20.513	30.002	29761.61
3110_3111	3110	3111	-158.747	-503.189	0.716	20.555	-21.002	-23237.6
3111_3111	3111	3111	144.733	508.47	-0.781	19.436	16.794	23235.56
3111_3112	3111	3112	-126.562	-472.016	0.781	-19.4	-6.989	-17130.8
3112_3112	3112	3112	110.813	435.815	-0.018	-3.338	8.907	17130.02
3112_3113	3112	3113	-93.752	-398.936	0.018	3.323	-8.663	-11625.5
3113_3113	3113	3113	530.161	397.777	-0.35	3.416	16.913	9220.531

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3113_3114	3113	3114	-530.087	-368.002	0.35	-3.429	-12.801	-4797.94
3114_3114	3114	3114	521.78	324.956	-0.139	-0.142	12.894	4798.825
3114_3115	3114	3115	-506.709	-304.363	0.139	0.139	-11.748	-2285.82
3115_3115	3115	3115	562.823	307.043	-0.162	-0.25	11.735	1833.854
3115_3116	3115	3116	-511.733	-272.896	0.162	0.25	-9.389	2134.507
3116_3116	3116	3116	511.729	233.877	-0.045	6.973	9.389	-2134.5
3116_3117	3116	3117	-474.398	-207.409	0.045	-6.973	-8.879	4441.241
3117_3117	3117	3117	474.398	207.409	-0.114	-7.309	8.879	-4441.24
3117_3118	3117	3118	-437.101	-180.965	0.114	7.309	-7.602	6448.71
3118_3118	3118	3118	437.106	146.147	-0.011	9.455	7.602	-6448.75
3118_3119	3118	3119	-401.887	-119.703	0.011	-9.455	-7.484	7776.757
3119_3119	3119	3119	401.887	119.703	-0.079	-9.544	7.484	-7776.76
3119_3120	3119	3120	-366.669	-93.26	0.079	9.544	-6.592	8807.734
3120_3120	3120	3120	366.663	55.92	-0.179	4.741	6.592	-8807.7
3120_3121	3120	3121	-331.756	-27.499	0.179	-4.741	-4.433	9146.411
3121_3121	3121	3121	331.756	27.499	-0.211	-4.597	4.433	-9146.41
3121_3122	3121	3122	-296.848	0.921	0.211	4.597	-1.888	9142.056
3122_3122	3122	3122	296.848	-38.753	-0.101	4.598	1.888	-9142.05
3122_3123	3122	3123	-267.212	65.195	0.101	-4.598	-0.751	8417.126
3123_3123	3123	3123	267.212	-65.195	-0.136	-4.226	0.751	-8417.13
3123_3124	3123	3124	-237.549	91.661	0.136	4.226	0.777	7394.205
3124_3124	3124	3124	237.55	-128.778	-0.216	5.932	-0.777	-7394.21
3124_3125	3124	3125	-210.895	155.22	0.216	-5.932	3.202	5671.049
3125_3125	3125	3125	210.895	-155.22	-0.285	-5.432	-3.202	-5671.05
3125_3126	3125	3126	-184.241	181.661	0.285	5.432	6.401	3650.973
3126_3126	3126	3126	184.234	-219.886	-0.062	0.292	-6.401	-3650.98
3126_3127	3126	3127	-154.007	252.401	0.062	-0.292	7.256	242.364
3127_3127	3127	3127	157.743	-250.525	-0.103	0.134	-7.221	-201.603
3127_3128	3127	3128	-139.275	269.462	0.103	-0.134	8.073	-2031.84
3128_3128	3128	3128	146.705	-313.695	-0.352	-4.853	-8.239	2032.491
3128_3129	3128	3129	-128.503	341.003	0.352	4.843	12.375	-5987.58
3129_3129	3129	3129	132.306	-336.275	0.178	9.469	-11.415	6020.6
3129_3130	3129	3130	-127.156	372.082	-0.178	-9.513	9.053	-10796.5
3130_3130	3130	3130	141.753	-413.158	-0.038	-5.525	-10.152	10798.68
3130_3131	3130	3131	-145.33	448.563	0.038	5.664	10.645	-16254
3131_3131	3131	3131	161.415	-441.255	-0.067	6.943	-9.294	16258.3
3131_3132	3131	3132	-170.253	476.389	0.067	-6.789	10.098	-21690.6
3132_3132	3132	3132	-1959.23	218.416	25.274	14.915	-307.759	5686.215
3132_3133	3132	3133	1962.042	-191.885	-25.274	-14.915	47.438	-3586.82
3133_3133	3133	3133	-1969.73	191.883	22.625	9.779	-47.974	3624.24
3133_3134	3133	3134	1972.187	-173.632	-22.625	-9.779	-127.368	-2219.79
3134_3134	3134	3134	-1972.24	173.632	-2.09	-23.072	127.368	2219.708
3134_3135	3134	3135	1974.705	-155.309	2.09	23.072	-111.108	-951.985
3135_3135	3135	3135	-1974.9	114.775	-2.508	-0.177	111.108	952.404
3135_3136	3135	3136	1978.124	-95.933	2.508	0.177	-91.045	-124.434
3136_3136	3136	3136	-1978.12	95.933	-2.508	-0.177	91.045	124.434
3136_3137	3136	3137	1981.347	-77.091	2.508	0.177	-70.983	552.782
3137_3137	3137	3137	-1981.35	77.091	0.124	0.091	70.983	-552.782
3137_3138	3137	3138	1984.566	-58.273	-0.124	-0.091	-71.971	1078.671
3138_3138	3138	3138	-1984.54	17.509	-3.172	0.114	71.971	-1078.76
3138_3139	3138	3139	1986.371	-3.377	3.172	-0.114	-52.935	1132.479
3139_3139	3139	3139	-1986.37	3.377	-3.172	0.114	52.935	-1132.48
3139_3140	3139	3140	1988.202	10.754	3.172	-0.114	-33.898	1101.402

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3140_3140	3140	3140	-1988.2	-10.754	0.389	-0.233	33.898	-1101.4
3140_3141	3140	3141	1990.035	24.885	-0.389	0.233	-36.235	985.529
3141_3141	3141	3141	-1990.03	-24.885	-3.172	-0.139	36.235	-985.529
3141_3142	3141	3142	1991.864	39.017	3.172	0.139	-17.198	784.853
3142_3142	3142	3142	-1991.87	-80.982	-2.277	-0.033	17.198	-784.923
3142_3143	3142	3143	1993.458	99.824	2.277	0.033	1.019	53.034
3143_3143	3143	3143	-1993.46	-99.824	0.395	1.16	-1.019	-53.034
3143_3144	3143	3144	1995.051	118.665	-0.395	-1.16	-2.138	-829.591
3144_3144	3144	3144	-1995.05	-118.665	-2.277	-1.19	2.138	829.591
3144_3145	3144	3145	1996.641	137.507	2.277	1.19	16.079	-1862.99
3145_3145	3145	3145	-1996.65	-181.504	-2.282	1.799	-16.079	1862.999
3145_3146	3145	3146	1998.005	199.757	2.282	-1.799	33.765	-3348.25
3146_3146	3146	3146	-1998	-199.757	-5.039	-3.986	-33.765	3348.248
3146_3147	3146	3147	1999.357	218.01	5.039	3.986	72.825	-4975.01
3147_3147	3147	3147	-1986.76	-218.014	-2.925	2.134	-72.66	4913.547
3147_3148	3147	3148	1988.095	242.487	2.925	-2.134	100.452	-7109.01
3148_3148	3148	3148	170.676	463.116	-0.143	-0.42	-3.837	23801.79
3148_3149	3148	3149	-148.754	-425.681	0.143	0.442	5.633	-18254.1
3149_3149	3149	3149	136.821	431.878	-0.144	-0.026	-5.669	18251.65
3149_3150	3149	3150	-114.196	-396.671	0.144	0.046	7.471	-13091.5
3150_3150	3150	3150	100.363	359.553	-0.925	-0.212	-7.449	13090.01
3150_3151	3150	3151	-81.549	-323.938	0.925	0.195	19.729	-8572.39
3151_3151	3151	3151	609.202	321.839	-0.21	-0.274	-6.993	5687.124
3151_3152	3151	3152	-604.513	-293.694	0.21	0.279	9.459	-2169.17
3152_3152	3152	3152	597.763	248.589	0.281	-0.868	-9.454	2169.873
3152_3153	3152	3153	-578.353	-229.166	-0.281	0.864	7.137	-301.486
3153_3153	3153	3153	610.073	232.595	0.266	0.147	-6.868	134.446
3153_3154	3153	3154	-555.229	-201.24	-0.266	-0.147	3.211	2609.343
3154_3154	3154	3154	555.246	159.358	0.105	3.219	-3.211	-2609.34
3154_3155	3154	3155	-514.576	-134.256	-0.105	-3.219	2.053	4048.175
3155_3155	3155	3155	514.576	134.256	0.056	-3.376	-2.053	-4048.18
3155_3156	3155	3156	-473.907	-109.154	-0.056	3.376	1.432	5210.836
3156_3156	3156	3156	473.901	73.442	0.17	0.016	-1.432	-5210.85
3156_3157	3156	3157	-438.721	-50.599	-0.17	-0.016	-0.27	5678.503
3157_3157	3157	3157	438.721	50.599	0.17	0.016	0.27	-5678.5
3157_3158	3157	3158	-403.54	-27.757	-0.17	-0.016	-1.972	5917.474
3158_3158	3158	3158	403.54	-5.519	0.007	0.17	1.972	-5917.46
3158_3159	3158	3159	-370.693	28.361	-0.007	-0.17	-2.045	5603.929
3159_3159	3159	3159	370.693	-28.361	0.006	0.052	2.045	-5603.93
3159_3160	3159	3160	-337.813	51.227	-0.006	-0.052	-2.109	5061.058
3160_3160	3160	3160	337.819	-88.391	0.027	2.443	2.109	-5061.07
3160_3161	3160	3161	-304.521	113.47	-0.027	-2.443	-2.403	3804.803
3161_3161	3161	3161	304.521	-113.47	-0.023	-2.099	2.403	-3804.8
3161_3162	3161	3162	-271.193	138.571	0.023	2.099	-2.15	2271.382
3162_3162	3162	3162	271.189	-178.634	0.126	0.302	2.15	-2271.36
3162_3163	3162	3163	-231.794	210.011	-0.126	-0.302	-3.889	-576.019
3163_3163	3163	3163	235.811	-207.35	0.18	-0.034	3.843	568.84
3163_3164	3163	3164	-213.003	226.793	-0.18	0.034	-5.327	-2461.88
3164_3164	3164	3164	219.593	-271.711	-0.095	1.71	5.386	2462.391
3164_3165	3164	3165	-193.935	299.795	0.095	-1.722	-4.266	-5956.82
3165_3165	3165	3165	185.323	-293.553	-0.34	-2.023	3.088	6050.644
3165_3166	3165	3166	-170.335	329.815	0.34	2.012	1.421	-10318.3
3166_3166	3166	3166	184.359	-375.793	0.315	-0.011	-1.302	10320.56

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3166_3167	3166	3167	-182.175	411.579	-0.315	0.031	-2.648	-15360.5
3167_3167	3167	3167	193.678	-404.331	0.315	-0.093	2.647	15363.93
3167_3168	3167	3168	-199.237	442.288	-0.315	0.115	-6.607	-20775.7
3168_3168	3168	3168	-1844.86	245.214	-2.267	-3.869	17.519	5980.819
3168_3169	3168	3169	1851.585	-220.405	2.267	3.869	4.022	-3797.81
3169_3169	3169	3169	-1858.04	220.39	0.593	2.058	-4.618	3829.274
3169_3170	3169	3170	1863.926	-201.633	-0.593	-2.058	0.02	-2219.24
3170_3170	3170	3170	-1863.93	201.633	0.593	2.058	-0.02	2219.243
3170_3171	3170	3171	1869.817	-182.877	-0.593	-2.058	-4.578	-754.591
3171_3171	3171	3171	-1869.88	135.68	-0.382	-0.036	4.578	754.677
3171_3172	3171	3172	1875.703	-116.342	0.382	0.036	-1.529	226.965
3172_3172	3172	3172	-1875.7	116.342	-0.34	-0.027	1.529	-226.965
3172_3173	3172	3173	1881.537	-96.981	0.34	0.027	1.188	1055.018
3173_3173	3173	3173	-1881.54	96.981	-0.34	-0.027	-1.188	-1055.02
3173_3174	3173	3174	1887.372	-77.619	0.34	0.027	3.906	1728.158
3174_3174	3174	3174	-1887.37	33.275	1.858	-0.833	-3.906	-1728.23
3174_3175	3174	3175	1891.225	-18.754	-1.858	0.833	-7.241	1867.337
3175_3175	3175	3175	-1891.23	18.754	-1.579	0.909	7.241	-1867.34
3175_3176	3175	3176	1895.085	-4.232	1.579	-0.909	2.234	1919.304
3176_3176	3176	3176	-1895.09	4.232	1.858	-0.849	-2.234	-1919.31
3176_3177	3176	3177	1898.944	10.289	-1.858	0.849	-8.913	1884.134
3177_3177	3177	3177	-1898.94	-10.289	-1.579	0.78	8.913	-1884.13
3177_3178	3177	3178	1902.804	24.81	1.579	-0.78	0.562	1761.824
3178_3178	3178	3178	-1902.8	-69.616	-0.414	-0.293	-0.562	-1761.84
3178_3179	3178	3179	1907.163	88.978	0.414	0.293	3.878	1107.817
3179_3179	3179	3179	-1907.16	-88.978	-0.414	-0.293	-3.878	-1107.82
3179_3180	3179	3180	1911.524	108.339	0.414	0.293	7.195	298.878
3180_3180	3180	3180	-1911.52	-108.339	2.163	0.651	-7.195	-298.878
3180_3181	3180	3181	1915.884	127.701	-2.163	-0.651	-10.111	-664.954
3181_3181	3181	3181	-1915.94	-174.505	-2.209	-2.563	10.111	665.063
3181_3182	3181	3182	1920.179	193.238	2.209	2.563	6.986	-2107.6
3182_3182	3182	3182	-1920.18	-193.238	0.497	1.722	-6.986	2107.595
3182_3183	3182	3183	1924.426	211.994	-0.497	-1.722	3.138	-3697.25
3183_3183	3183	3183	-1912.02	-211.99	-0.089	0.303	-2.558	3636.707
3183_3184	3183	3184	1916.915	236.798	0.089	-0.303	3.406	-5790.74
3184_3184	3184	3184	160.369	453.06	-0.314	-0.109	1.174	20479.28
3184_3185	3184	3185	-132.399	-415.398	0.314	0.139	2.772	-15038
3185_3185	3185	3185	120.719	422.652	-0.314	-0.079	-2.776	15035.27
3185_3186	3185	3186	-93.18	-387.219	0.314	0.106	6.71	-9974.94
3186_3186	3186	3186	79.283	346.954	-0.131	-0.516	-6.675	9973.41
3186_3187	3186	3187	-58.213	-311.017	0.131	0.507	8.413	-5604.15
3187_3187	3187	3187	560.103	310.484	-0.182	-0.149	-0.079	2858.463
3187_3188	3187	3188	-558.472	-281.125	0.182	0.144	2.219	547.984
3188_3188	3188	3188	551.933	232.706	0.134	-1.278	-2.208	-547.017
3188_3189	3188	3189	-537.42	-212.403	-0.134	1.277	1.102	2303.506
3189_3189	3189	3189	555.555	216.092	0.141	0.368	-1.024	-2300.49
3189_3190	3189	3190	-513.208	-181.856	-0.141	-0.368	-0.91	4853.999
3190_3190	3190	3190	513.216	138.654	0.048	-0.237	0.91	-4854.03
3190_3191	3190	3191	-481.239	-111.246	-0.048	0.237	-1.437	6091.447
3191_3191	3191	3191	481.239	111.246	0.048	-0.237	1.437	-6091.45
3191_3192	3191	3192	-449.262	-83.837	-0.048	0.237	-1.965	7027.332
3192_3192	3192	3192	449.257	44.676	0.134	-0.1	1.965	-7027.29
3192_3193	3192	3193	-422.182	-19.585	-0.134	0.1	-3.318	7233.713

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3193_3193	3193	3193	422.182	19.585	0.134	-0.1	3.318	-7233.71
3193_3194	3193	3194	-395.107	5.506	-0.134	0.1	-4.672	7187.441
3194_3194	3194	3194	395.127	-41.468	-0.172	0.062	4.672	-7187.47
3194_3195	3194	3195	-370.212	66.559	0.172	-0.062	-2.937	6534.581
3195_3195	3195	3195	370.212	-66.559	-0.172	0.062	2.937	-6534.58
3195_3196	3195	3196	-345.297	91.65	0.172	-0.062	-1.201	5628.998
3196_3196	3196	3196	345.272	-130.493	0.043	-2.13	1.201	-5628.97
3196_3197	3196	3197	-320.255	157.876	-0.043	2.13	-1.675	3933.673
3197_3197	3197	3197	320.255	-157.876	0.085	2.488	1.675	-3933.67
3197_3198	3197	3198	-295.216	185.285	-0.085	-2.488	-2.611	1935.415
3198_3198	3198	3198	295.227	-226.893	0.015	0.202	2.611	-1935.45
3198_3199	3198	3199	-265.596	261.153	-0.015	-0.202	-2.819	-1552.68
3199_3199	3199	3199	268.302	-258.126	0.003	0.425	2.726	1478.743
3199_3200	3199	3200	-249.846	279.335	-0.003	-0.425	-2.75	-3786.35
3200_3200	3200	3200	257.694	-324.172	0.601	-0.586	2.727	3787.263
3200_3201	3200	3201	-236.144	354.748	-0.601	0.577	-9.787	-7896.51
3201_3201	3201	3201	236.355	-347.307	0.313	1.597	11.703	7956.873
3201_3202	3201	3202	-226.701	387.934	-0.313	-1.608	-15.862	-12935
3202_3202	3202	3202	242.317	-431.701	0.648	0.53	15.844	12938.06
3202_3203	3202	3203	-241.398	471.636	-0.648	-0.496	-23.976	-18685.1
3203_3203	3203	3203	254.535	-463.392	0.648	-0.143	23.98	18689.6
3203_3204	3203	3204	-259.339	505.503	-0.648	0.182	-32.134	-24856.7
3204_3204	3204	3204	-2034.8	271.661	1.328	2.257	13.136	7604.971
3204_3205	3204	3205	2040.431	-243.794	-1.328	-2.257	-25.753	-5181.75
3205_3205	3205	3205	-2041.82	243.785	-0.942	-3.297	26.554	4938.386
3205_3206	3205	3206	2046.773	-222.533	0.942	3.297	-19.25	-3153.03
3206_3206	3206	3206	-2046.77	222.533	2.039	1.494	19.25	3153.029
3206_3207	3206	3207	2051.723	-201.281	-2.039	-1.494	-35.054	-1532.43
3207_3207	3207	3207	-2051.65	150.368	-4.921	-0.086	35.054	1532.499
3207_3208	3207	3208	2056.49	-128.43	4.921	0.086	4.315	-438.677
3208_3208	3208	3208	-2056.49	128.43	-4.967	-0.109	-4.315	438.677
3208_3209	3208	3209	2061.328	-106.52	4.967	0.109	44.011	478.583
3209_3209	3209	3209	-2061.33	106.52	-2.033	0.261	-44.011	-478.585
3209_3210	3209	3210	2066.176	-84.582	2.033	-0.261	60.273	1221.565
3210_3210	3210	3210	-2066.23	34.372	-2.668	0.326	-60.273	-1221.7
3210_3211	3210	3211	2069.381	-17.918	2.668	-0.326	76.283	1364.361
3211_3211	3211	3211	-2069.38	17.918	-2.668	0.326	-76.283	-1364.36
3211_3212	3211	3212	2072.534	-1.465	2.668	-0.326	92.292	1408.289
3212_3212	3212	3212	-2072.54	1.465	1.183	-0.455	-92.292	-1408.29
3212_3213	3212	3213	2075.688	14.988	-1.183	0.455	85.195	1353.486
3213_3213	3213	3213	-2075.69	-14.988	-2.668	0.152	-85.195	-1353.49
3213_3214	3213	3214	2078.84	31.441	2.668	-0.152	101.205	1199.947
3214_3214	3214	3214	-2078.94	-81.848	5.475	0.672	-101.205	-1199.94
3214_3215	3214	3215	2082.533	103.786	-5.475	-0.672	57.396	440.791
3215_3215	3215	3215	-2082.54	-103.786	2.587	-0.154	-57.396	-440.79
3215_3216	3215	3216	2086.127	125.723	-2.587	0.154	36.695	-493.898
3216_3216	3216	3216	-2086.13	-125.723	2.587	-0.154	-36.695	493.898
3216_3217	3216	3217	2089.715	147.661	-2.587	0.154	15.994	-1604.11
3217_3217	3217	3217	-2089.71	-197.724	2.567	-5.123	-15.994	1604.031
3217_3218	3217	3218	2093.101	218.976	-2.567	5.123	-3.9	-3234.69
3218_3218	3218	3218	-2093.11	-218.976	-0.415	-10.958	3.9	3234.678
3218_3219	3218	3219	2096.496	240.228	0.415	10.958	-0.687	-5030.09
3219_3219	3219	3219	-2088.59	-240.227	9.13	16.463	0.815	5248.012

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3219_3220	3219	3220	2092.53	268.063	-9.13	-16.463	-87.466	-7678.78
3220_3220	3220	3220	225.554	520.083	-1.418	-35.088	38.911	24887.51
3220_3221	3220	3221	-201.481	-478.305	1.418	35.12	-21.067	-18631.9
3221_3221	3221	3221	188.038	486.516	-1.562	33.925	13.723	18628.47
3221_3222	3221	3222	-163.29	-446.972	1.562	-33.897	5.875	-12801.9
3222_3222	3222	3222	147.599	407.895	3.449	-2.227	-2.643	12799.26
3222_3223	3222	3223	-125.874	-367.629	-3.449	2.203	-43.143	-7671.33
3223_3223	3223	3223	634.435	367.403	0.292	1.764	5.417	4821.661
3223_3224	3223	3224	-625.978	-335.281	-0.292	-1.82	-8.852	-799.951
3224_3224	3224	3224	618.13	283.546	0.037	14.084	8.719	800.934
3224_3225	3224	3225	-597.144	-261.305	-0.037	-14.073	-9.025	1336.016
3225_3225	3225	3225	571.185	265.699	-0.129	-10.625	9.549	-1141.16
3225_3226	3225	3226	-514.166	-221.15	0.129	10.625	-7.493	4771.949
3226_3226	3226	3226	514.09	172.643	0.685	19.441	7.493	-4771.61
3226_3227	3226	3227	-472.035	-138.803	-0.685	-19.441	-15.788	6473.051
3227_3227	3227	3227	472.038	138.803	0.553	-19.073	15.788	-6473.06
3227_3228	3227	3228	-430.015	-104.989	-0.553	19.073	-22.473	7764.168
3228_3228	3228	3228	429.82	58.678	0.41	20.999	22.473	-7762.07
3228_3229	3228	3229	-391.188	-22.744	-0.41	-20.999	-27.43	8084.865
3229_3229	3229	3229	391.184	22.915	0.278	-20.352	27.43	-8084.86
3229_3230	3229	3230	-354.874	13.022	-0.278	20.352	-30.789	7984.356
3230_3230	3230	3230	354.758	-58.42	0.006	16.609	30.789	-7982.56
3230_3231	3230	3231	-321.682	94.865	-0.006	-16.609	-30.868	6894.411
3231_3231	3231	3231	321.685	-94.692	-0.125	-16.091	30.868	-6894.41
3231_3232	3231	3232	-291.021	131.113	0.125	16.091	-29.338	5372.041
3232_3232	3232	3232	290.914	-182.424	2.345	4.973	29.338	-5371.28
3232_3233	3232	3233	-273.867	205.707	-2.345	-4.973	-47.713	3772.15
3233_3233	3233	3233	273.879	-205.599	2.326	2.406	47.713	-3772.19
3233_3234	3233	3234	-258.566	227.752	-2.326	-2.406	-65.052	2085.65
3234_3234	3234	3234	268.152	-224.322	2.591	-4.973	70.262	-2118.18
3234_3235	3234	3235	-250.536	251.263	-2.591	5.008	-93.24	-78.018
3235_3235	3235	3235	256.515	-298.701	0.689	-4.434	93.203	78.053
3235_3236	3235	3236	-247.28	316.641	-0.689	4.392	-97.248	-1937.36
3236_3236	3236	3236	224.026	-313.388	2.271	-2.656	145.099	2076.912
3236_3237	3236	3237	-219.073	330.178	-2.271	2.569	-157.07	-3814.33
3237_3237	3237	3237	244.794	-324.787	1.501	7.681	158.201	3708.748
3237_3238	3237	3238	-243.446	361.883	-1.501	-7.94	-173.107	-7162.27
3238_3238	3238	3238	255.11	-400.532	-2.315	-14.043	171.795	7162.746
3238_3239	3238	3239	-260.75	439.971	2.315	13.882	-147.953	-11523.1
3239_3239	3239	3239	270.844	-432.547	-2.407	13.508	150.753	11526.76
3239_3240	3239	3240	-279.768	475.239	2.407	-13.708	-124.753	-16459.4
3240_3240	3240	3240	293.554	-492.591	-37.904	-30.387	119.889	16455.55
3240_3241	3240	3241	-300.925	522.662	37.904	30.728	159.765	-20214.9
3241_3241	3241	3241	-1952.61	350.967	-13.571	4.06	395.644	6274.872
3241_3242	3241	3242	1967.796	-316.455	13.571	-4.06	-266.766	-3168.55
3242_3242	3242	3242	-1964.17	316.541	-5.649	17.796	268.213	3150.923
3242_3243	3242	3243	1975.823	-289.039	5.649	-17.796	-224.854	-875.381
3243_3243	3243	3243	-1973.25	227.641	-35.831	0.32	224.854	874.173
3243_3244	3243	3244	1983.652	-193.528	35.831	-0.32	116.263	1087.07
3244_3244	3244	3244	-1983.74	193.65	-30.921	-0.003	-116.263	-1087.02
3244_3245	3244	3245	1993.383	-157.449	30.921	0.003	428.652	2819.868
3245_3245	3245	3245	-1994.21	110.089	-12.991	5.726	-428.652	-2819.16
3245_3246	3245	3246	2002.009	-74.455	12.991	-5.726	557.845	3703.373

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3246_3246	3246	3246	-2002.04	74.577	-3.952	-4.576	-557.845	-3703.42
3246_3247	3246	3247	2008.287	-39.902	3.952	4.576	596.086	4230.105
3247_3247	3247	3247	-2008.28	-10.213	-0.325	5.65	-596.086	-4229.31
3247_3248	3247	3248	2012.548	43.131	0.325	-5.65	599.074	3965.078
3248_3248	3248	3248	-2012.56	-43.01	7.237	-3.32	-599.074	-3964.95
3248_3249	3248	3249	2015.977	80.394	-7.237	3.32	523.568	3305.107
3249_3249	3249	3249	-2014.5	-122.482	-18.309	0.525	-523.568	-3304.69
3249_3250	3249	3250	2015.951	159.119	18.309	-0.525	710.765	1856.839
3250_3250	3250	3250	-2015.98	-158.998	-11.746	-0.721	-710.765	-1856.93
3250_3251	3250	3251	2016.02	192.695	11.746	0.721	821.225	200.835
3251_3251	3251	3251	-2019.43	-233.748	77.469	-9.232	-821.225	-201.328
3251_3252	3251	3252	2016.892	263.856	-77.469	9.232	170.278	-1881.29
3252_3252	3252	3252	-2016.62	-263.752	84.97	2.06	-170.278	1881.31
3252_3253	3252	3253	2013.082	293.942	-84.97	-2.06	-545.619	-4218.71
3253_3253	3253	3253	-2009.52	-293.837	87.842	9.325	545.504	4202.036
3253_3254	3253	3254	2005.408	321.686	-87.842	-9.325	-1218.63	-6546
3254_3254	3254	3254	-2001.06	-354.091	-37.609	-102.317	1218.631	6541.423
3254_3255	3254	3255	1998.374	365.955	37.609	102.317	-1095.85	-7706.81
3255_3255	3255	3255	286.614	475.064	-53.698	-5.129	825.244	21420.43
3255_3256	3255	3256	-262.011	-433.856	53.698	4.71	-272.703	-16778.8
3256_3256	3256	3256	245.214	447.07	-53.849	48.255	266.157	16772.7
3256_3257	3256	3257	-226.549	-415.248	53.849	-48.521	175.316	-13268
3257_3257	3257	3257	213.738	382.42	11.774	-26.413	-168.289	13261.78
3257_3258	3257	3258	-191.859	-344.987	-11.774	26.802	51.814	-9698.18
3258_3258	3258	3258	184.936	351.172	11.675	1.377	-53.891	9696.557
3258_3259	3258	3259	-167.48	-319.178	-11.675	-1.111	-46.767	-6833.52
3259_3259	3259	3259	108.107	324.403	12.309	32.677	53.905	7124.658
3259_3260	3259	3260	-101.76	-314.421	-12.309	-32.613	-92.819	-6124.23
3260_3260	3260	3260	649.893	251.738	0.434	11.855	21.716	3237.049
3260_3261	3260	3261	-679.681	-226.955	-0.434	-11.918	-24.971	-1335.46
3261_3261	3261	3261	675.29	235.259	0.301	3.748	25.272	1334.783
3261_3262	3261	3262	-697.234	-204.814	-0.301	-3.78	-28.082	806.973
3262_3262	3262	3262	724.12	210.497	-0.128	-17.08	26.222	-1133.67
3262_3263	3262	3263	-733.208	-186.015	0.128	17.08	-25.242	2700.257
3263_3263	3263	3263	733.159	128.672	0.91	12.635	25.242	-2699.71
3263_3264	3263	3264	-748.278	-92.661	-0.91	-12.635	-35.489	4024.644
3264_3264	3264	3264	748.252	92.831	0.746	-11.232	35.489	-4024.54
3264_3265	3264	3265	-766.319	-55.168	-0.746	11.232	-44.283	4987.73
3265_3265	3265	3265	766.272	5.948	0.724	20.825	44.283	-4987.53
3265_3266	3265	3266	-787.964	31.188	-0.724	-20.825	-52.698	4946.935
3266_3266	3266	3266	787.968	-31.017	0.482	-20.401	52.698	-4946.95
3266_3267	3266	3267	-811.5	67.558	-0.482	20.401	-58.213	4497.038
3267_3267	3267	3267	811.497	-116.73	0.649	13.636	58.213	-4497.03
3267_3268	3267	3268	-839.367	153.834	-0.649	-13.636	-65.752	3058.511
3268_3268	3268	3268	839.372	-153.664	0.47	-13.487	65.752	-3058.53
3268_3269	3268	3269	-869.029	190.234	-0.47	13.487	-71.134	1230.443
3269_3269	3269	3269	869.006	-242.941	-0.364	10.281	71.134	-1230.23
3269_3270	3269	3270	-905.461	281.951	0.364	-10.281	-66.697	-1803.87
3270_3270	3270	3270	905.45	-281.771	-0.608	-11.036	66.697	1803.879
3270_3271	3270	3271	-944	320.415	0.608	11.036	-59.35	-5266.43
3271_3271	3271	3271	944.305	-376.089	6.034	-2.091	59.35	5266.11
3271_3272	3271	3272	-967.987	398.243	-6.034	2.091	-101.171	-7841.02
3272_3272	3272	3272	896.164	-391.954	6.22	-5.347	92.941	8457.35

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3272_3273	3272	3273	-904.768	424.444	-6.22	5.396	-151.661	-12241.6
3273_3273	3273	3273	912.869	-414.443	6.022	3.731	151.887	12240.92
3273_3274	3273	3274	-894.214	443.239	-6.022	-3.623	-201.48	-15784.6
3274_3274	3274	3274	900.444	-492.766	-29.016	-23.27	200.496	15786.41
3274_3275	3274	3275	-893.11	501.02	29.016	23.175	-132.934	-16950.9
3275_3275	3275	3275	791.402	-497.846	-30.717	-19.263	124.682	17596.68
3275_3276	3275	3276	-761.987	532.53	30.717	18.708	141.691	-22103.5
3276_3276	3276	3276	771.809	-524.023	-30.892	25.718	-139.115	22103.61
3276_3277	3276	3277	-734.643	559.854	30.892	-26.42	408.372	-26896.2
3277_3277	3277	3277	363.156	-575.411	44.765	-75.087	-767.954	29365.51
3277_3278	3277	3278	-368.451	619.035	-44.765	74.667	299.812	-35629.7
3278_3278	3278	3278	389.338	-605.506	44.665	14.547	-291.951	35636.63
3278_3279	3278	3279	-395.831	647.297	-44.665	-15.018	-139.691	-41711.5
3279_3279	3279	3279	-2980.18	502.673	25.766	139.225	497.149	14553.74
3279_3280	3279	3280	2987.515	-486.758	-25.766	-139.225	-603.426	-12542.5
3280_3280	3280	3280	-2988.22	372.547	-75.552	-32.679	603.426	12543.83
3280_3281	3280	3281	2995.759	-348.34	75.552	32.679	-129.45	-10312.5
3281_3281	3281	3281	-3001.18	348.42	-65.189	-4.194	132.401	10600.6
3281_3282	3281	3282	3012.047	-313.508	65.189	4.194	496.899	-7449.92
3282_3282	3282	3282	-3012.19	313.623	-55.409	19.71	-496.899	7449.734
3282_3283	3282	3283	3020.516	-283.39	55.409	-19.71	960.109	-4988.34
3283_3283	3283	3283	-3077.2	254.035	13.651	-6.196	-959.786	5255.706
3283_3284	3283	3284	3093.071	-215.674	-13.651	6.196	791.012	-2418.56
3284_3284	3284	3284	-3092.98	215.804	26.188	5.727	-791.012	2418.508
3284_3285	3284	3285	3106.595	-178.803	-26.188	-5.727	478.735	-123.039
3285_3285	3285	3285	-3106.76	82.324	5.337	-0.59	-478.735	123.075
3285_3286	3285	3286	3111.259	-45.587	-5.337	0.59	415.545	615.027
3286_3286	3286	3286	-3111.17	45.706	19.301	0.714	-415.545	-615.183
3286_3287	3286	3287	3113.778	-13.391	-19.301	-0.714	214.528	911.513
3287_3287	3287	3287	-3113.69	-32.206	26.024	-1.415	-214.528	-911.509
3287_3288	3287	3288	3116.277	67.253	-26.024	1.415	-79.419	337.816
3288_3288	3288	3288	-3116.16	-67.134	37.084	0.937	79.419	-337.857
3288_3289	3288	3289	3117.246	101.066	-37.084	-0.937	-484.958	-587.802
3289_3289	3289	3289	-3117.76	-187.203	-14.834	-8.211	484.958	587.714
3289_3290	3289	3290	3116.486	213.156	14.834	8.211	-360.882	-2258.27
3290_3290	3290	3290	-3116.5	-213.07	-7.737	-0.889	360.882	2258.241
3290_3291	3290	3291	3114.554	237.453	7.737	0.889	-300.084	-4021.87
3291_3291	3291	3291	-3107.31	-237.378	-1.213	9.515	300.416	3713.833
3291_3292	3291	3292	3104.571	263.743	1.213	-9.515	-290.852	-5679.12
3292_3292	3292	3292	-3104.76	-327.922	-10.82	-19.623	290.852	5679.653
3292_3293	3292	3293	3103.748	336.319	10.82	19.623	-263.691	-6509.79
3293_3293	3293	3293	298.644	895.072	-9.451	-54.427	51.596	29839.32
3293_3294	3293	3294	-283.644	-862.814	9.451	54.444	28.549	-22442.1
3294_3294	3294	3294	252.621	873.414	-9.498	46.195	-39.064	22437.75
3294_3295	3294	3295	-233.728	-837.348	9.498	-46.178	132.329	-14110.7
3295_3295	3295	3295	207.047	767.399	4.745	-24.23	-126.66	14109.73
3295_3296	3295	3296	-187.493	-728.55	-4.745	24.2	74.947	-6024.92
3296_3296	3296	3296	169.868	734.247	4.698	9.564	-76.616	6023.381
3296_3297	3296	3297	-155.823	-705.305	-4.698	-9.577	37.735	-115.488
3297_3297	3297	3297	119.122	709.038	4.51	18.786	-34.054	241.375
3297_3298	3297	3298	-111.873	-695.851	-4.51	-18.788	14.583	2763.834
3298_3298	3298	3298	36.633	614.081	-0.026	7.918	16.278	-2394.32
3298_3299	3298	3299	-27.897	-589.081	0.026	-7.926	-16.066	7314.13

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3299_3299	3299	3299	25.594	589.853	-0.057	0.151	16.1	-7314.33
3299_3300	3299	3300	-19.504	-567.251	0.057	-0.151	-15.673	11599.04
3300_3300	3300	3300	61.872	567.459	0.319	-16.641	11.683	-11837.7
3300_3301	3300	3301	-56.883	-542.689	-0.319	16.641	-13.951	15760.32
3301_3301	3301	3301	56.792	463.246	-0.181	36.235	13.951	-15760.5
3301_3302	3301	3302	-48.921	-421.133	0.181	-36.235	-11.759	21067.9
3302_3302	3302	3302	48.918	421.239	-0.236	-32.346	11.759	-21067.9
3302_3303	3302	3303	-42.39	-378.733	0.236	32.346	-8.885	25916.95
3303_3303	3303	3303	42.391	299.116	1.744	40.787	8.885	-25917.9
3303_3304	3303	3304	-38.62	-254.39	-1.744	-40.787	-31.269	29453.72
3304_3304	3304	3304	38.653	254.495	1.701	-39.15	31.269	-29453.9
3304_3305	3304	3305	-36.619	-214.607	-1.701	39.15	-50.74	32130.56
3305_3305	3305	3305	36.574	140.659	-0.083	56.064	50.74	-32131.6
3305_3306	3305	3306	-37.519	-94.534	0.083	-56.064	-49.644	33694.72
3306_3306	3306	3306	37.562	94.639	-0.136	-58.299	49.644	-33695
3306_3307	3306	3307	-39.633	-56.149	0.136	58.299	-48.146	34539.37
3307_3307	3307	3307	39.612	-14.541	1.313	55.231	48.146	-34540.7
3307_3308	3307	3308	-45.344	58.348	-1.313	-55.231	-64.647	34112.15
3308_3308	3308	3308	45.366	-58.242	1.265	-50.187	64.647	-34112.3
3308_3309	3308	3309	-52.062	99.031	-1.265	50.187	-79.452	33225.88
3309_3309	3309	3309	52.041	-171.23	-0.908	47.579	79.452	-33226.8
3309_3310	3309	3310	-62.492	212.594	0.908	-47.579	-68.671	31001.06
3310_3310	3310	3310	62.481	-212.489	-0.95	-36.296	68.671	-31001
3310_3311	3310	3311	-74.855	255.756	0.95	36.296	-56.877	28155.7
3311_3311	3311	3311	74.896	-317.969	4.389	38.542	56.877	-28156.7
3311_3312	3311	3312	-89.283	360.173	-4.389	-38.542	-110.025	24121.2
3312_3312	3312	3312	89.3	-360.067	4.345	-31.011	110.025	-24121.2
3312_3313	3312	3313	-105.159	402.45	-4.345	31.011	-162.854	19562.22
3313_3313	3313	3313	105.066	-499.272	-4.711	25.536	162.854	-19562.8
3313_3314	3313	3314	-128.357	543.577	4.711	-25.536	-102.972	13047.86
3314_3314	3314	3314	128.335	-543.467	-4.764	-17.753	102.972	-13047.9
3314_3315	3314	3315	-153.051	587.564	4.764	17.753	-42.7	6012.928
3315_3315	3315	3315	153.253	-628.529	-5.218	-1.729	42.7	-6014.3
3315_3316	3315	3316	-171.332	657.052	5.218	1.729	0	841.948
3400_3020	3400	3020	2645.234	-242.53	-8.499	0.786	-276.489	-3455
3400_3401	3400	3401	-2646.28	246.519	8.499	-0.786	311.307	2453.194
3401_3401	3401	3401	2642.931	-238.75	24.531	-1.92	-300.365	-2453.28
3401_3402	3401	3402	-2643.84	242.142	-24.531	1.92	214.815	1614.74
3402_3402	3402	3402	2648.926	-178.625	19.858	0.329	-215.65	-1614.63
3402_3403	3402	3403	-2652.02	189.174	-19.858	-0.329	-1.172	-393.261
3403_3403	3403	3403	2646.894	-111.248	0.925	-0.653	1.465	393.255
3403_3404	3403	3404	-2649.15	118.141	-0.925	0.653	-8.126	-1219.51
3404_3404	3404	3404	2651.155	-57.63	-1.189	0.142	8.455	1219.512
3404_3405	3404	3405	-2653.57	64.482	1.189	-0.142	0.127	-1660.14
3405_3405	3405	3405	2652.315	24.633	0.845	-0.348	-0.331	1660.143
3405_3406	3405	3406	-2657.62	-11.131	-0.845	0.348	-11.848	-1402.47
3406_3406	3406	3406	2655.941	100.591	0.02	-0.734	12.45	1402.473
3406_3407	3406	3407	-2659.5	-92.414	-0.02	0.734	-12.623	-547.897
3407_3407	3407	3407	2657.07	146.308	-5.083	0.036	13.077	547.887
3407_3408	3407	3408	-2659.52	-140.962	5.083	-0.036	15.192	250.977
3408_3408	3408	3408	2636.223	-421.725	8.436	-0.109	-15.711	-251.008
3408_3409	3408	3409	-2636.92	424.841	-8.436	0.109	-9.753	-1026.61
3409_3409	3409	3409	2631.488	403.565	0.096	-0.684	9.929	1026.222

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3409_3410	3409	3410	-2630.79	-400.44	-0.096	0.684	-10.22	190.678
3410_3410	3410	3410	2652.834	-164.352	3.688	-1.307	8.687	-190.666
3410_3411	3410	3411	-2650.38	169.689	-3.688	1.307	-29.171	-736.908
3411_3411	3411	3411	2653.395	-113.191	-2.953	-0.117	28.35	736.941
3411_3412	3411	3412	-2649.84	121.376	2.953	0.117	-2.178	-1776.4
3412_3412	3412	3412	2655.699	-32.692	0.182	-0.597	1.371	1776.418
3412_3413	3412	3413	-2650.39	46.197	-0.182	0.597	-3.994	-2344.9
3413_3413	3413	3413	2655.941	42.32	2.881	-2.44	3.191	2344.938
3413_3414	3413	3414	-2653.53	-35.471	-2.881	2.44	-23.97	-2064.38
3414_3414	3414	3414	2651.99	96.988	-2.501	1.245	22.52	2064.4
3414_3415	3414	3415	-2649.73	-90.09	2.501	-1.245	-4.493	-1390.19
3415_3415	3415	3415	2657.245	168.243	-10.867	-1.148	5.199	1390.206
3415_3416	3415	3416	-2654.15	-157.695	10.867	1.148	113.455	389.142
3416_3416	3416	3416	2649.668	220.545	-11.748	1.409	-113.415	-389.153
3416_3417	3416	3417	-2648.76	-217.157	11.748	-1.409	154.337	1151.524
3417_3417	3417	3417	2651.845	227.014	-17.301	-1.594	-158.398	-1151.58
3417_3036	3417	3036	-2650.8	-223.02	17.301	1.594	229.362	2074.549
3420_3056	3420	3056	2182.541	-225.452	-7.398	0.987	-107.552	-3722.76
3420_3421	3420	3421	-2183.47	228.984	7.398	-0.987	137.837	2792.539
3421_3421	3421	3421	2180.16	-223.397	10.696	-0.485	-131.974	-2792.54
3421_3422	3421	3422	-2180.96	226.401	-10.696	0.485	94.687	2008.528
3422_3422	3422	3422	2185.727	-174.583	9.524	0.659	-94.995	-2008.51
3422_3423	3422	3423	-2188.47	183.935	-9.524	-0.659	-9.047	50.23
3423_3423	3423	3423	2184.996	-119.751	0.699	0.11	7.893	-50.233
3423_3424	3423	3424	-2186.99	125.858	-0.699	-0.11	-12.926	-834.282
3424_3424	3424	3424	2189.296	-75.911	-1.486	0.658	13.222	834.277
3424_3425	3424	3425	-2191.44	81.981	1.486	-0.658	-2.501	-1403.93
3425_3425	3425	3425	2190.892	-9.679	0.198	0.338	2.265	1403.934
3425_3426	3425	3426	-2195.59	21.65	-0.198	-0.338	-5.117	-1629.77
3426_3426	3426	3426	2194.562	52.336	0.24	0.061	5.557	1629.779
3426_3427	3426	3427	-2197.71	-45.095	-0.24	-0.061	-7.677	-1198.59
3427_3427	3427	3427	2196.333	89.927	-1.189	0.67	8.029	1198.59
3427_3428	3427	3428	-2198.52	-85.165	1.189	-0.67	-1.42	-712.049
3428_3428	3428	3428	2173.075	-382.407	-4.041	-0.208	2.472	712.07
3428_3429	3428	3429	-2173.7	385.194	4.041	0.208	9.764	-1874.33
3429_3429	3429	3429	2175.459	389.169	2.091	0.719	-9.88	1877.057
3429_3430	3429	3430	-2174.84	-386.391	-2.091	-0.719	3.568	-706.289
3430_3430	3430	3430	2201.409	-80.495	-0.942	1.063	-3.909	706.289
3430_3431	3430	3431	-2199.22	85.257	0.942	-1.063	9.146	-1166.83
3431_3431	3431	3431	2200.521	-39.338	1.848	-0.215	-8.484	1166.838
3431_3432	3431	3432	-2197.37	46.587	-1.848	0.215	-7.892	-1547.47
3432_3432	3432	3432	2199.065	26.48	-0.247	0.225	7.321	1547.512
3432_3433	3432	3433	-2194.36	-14.513	0.247	-0.225	-3.766	-1252.11
3433_3433	3433	3433	2195.183	86.913	-0.009	0.543	4.258	1252.131
3433_3434	3433	3434	-2193.04	-80.845	0.009	-0.543	-4.194	-647.131
3434_3434	3434	3434	2190.567	131.835	2.089	-0.187	4.413	647.13
3434_3435	3434	3435	-2188.57	-125.722	-2.089	0.187	-19.472	281.25
3435_3435	3435	3435	2192.043	189.314	-17.614	0.172	21.499	-281.251
3435_3436	3435	3436	-2189.3	-179.967	17.614	-0.172	170.811	2297.203
3436_3436	3436	3436	2184.214	233.44	-21.573	0.061	-169.613	-2297.29
3436_3437	3436	3437	-2183.41	-230.429	21.573	-0.061	244.974	3107.502
3437_3437	3437	3437	2187.395	233.509	-7.847	-1.33	-254.555	-3107.59
3437_3072	3437	3072	-2186.47	-229.98	7.847	1.33	286.656	4055.645

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3440_3094	3440	3094	2503.351	-210.241	-8.531	0.499	-38.198	-2356.78
3440_3441	3440	3441	-2504.27	213.742	8.531	-0.499	73.144	1488.365
3441_3441	3441	3441	2499.091	-207.025	5.643	-0.781	-69.158	-1488.37
3441_3442	3441	3442	-2499.89	210.004	-5.643	0.781	49.466	760.749
3442_3442	3442	3442	2504.243	-149.342	5.489	0.371	-49.485	-760.749
3442_3443	3442	3443	-2506.96	158.597	-5.489	-0.371	-10.433	-919.858
3443_3443	3443	3443	2505.173	-85.5	-0.722	0.334	10.56	919.858
3443_3444	3443	3444	-2507.15	91.555	0.722	-0.334	-5.354	-1558.09
3444_3444	3444	3444	2508.603	-33.275	-0.242	-0.09	5.255	1558.09
3444_3445	3444	3445	-2510.72	39.286	0.242	0.09	-3.507	-1819.8
3445_3445	3445	3445	2509.669	44.58	0.116	0.073	4.417	1819.807
3445_3446	3445	3446	-2514.33	-32.727	-0.116	-0.073	-6.084	-1262.7
3446_3446	3446	3446	2512.392	117.749	-0.039	0.18	7.805	1262.71
3446_3447	3446	3447	-2515.51	-110.572	0.039	-0.18	-7.457	-251.665
3447_3447	3447	3447	2512.707	162.241	2.574	-0.228	7.342	251.668
3447_3448	3447	3448	-2514.88	-157.52	-2.574	0.228	-21.648	637.097
3448_3448	3448	3448	2499.557	-376.819	-11.942	3.849	23.275	-637.126
3448_3449	3448	3449	-2500.17	379.577	11.942	-3.849	12.833	-506.446
3449_3449	3449	3449	2499.87	375.299	11.953	-3.881	-12.825	506.784
3449_3450	3449	3450	-2499.25	-372.55	-11.953	3.881	-23.211	620.533
3450_3450	3450	3450	2516.47	-160.036	-1.69	0.148	21.58	-620.516
3450_3451	3450	3451	-2514.3	164.758	1.69	-0.148	-12.185	-282.365
3451_3451	3451	3451	2517.158	-113.025	-0.899	-0.19	12.223	282.364
3451_3452	3451	3452	-2514.04	120.203	0.899	0.19	-4.263	-1315.32
3452_3452	3452	3452	2519.189	-35.422	0.064	-0.115	2.93	1315.329
3452_3453	3452	3453	-2514.53	47.276	-0.064	0.115	-3.852	-1911.34
3453_3453	3453	3453	2518.596	36.485	0.717	-0.227	2.702	1911.348
3453_3454	3453	3454	-2516.48	-30.474	-0.717	0.227	-7.878	-1669.83
3454_3454	3454	3454	2515.088	88.934	0.211	-0.07	7.759	1669.831
3454_3455	3454	3455	-2513.11	-82.879	-0.211	0.07	-9.277	-1050.47
3455_3455	3455	3455	2517.949	156.054	-4.307	-0.211	9.232	1050.47
3455_3456	3455	3456	-2515.24	-146.799	4.307	0.211	37.782	602.298
3456_3456	3456	3456	2510.935	207.714	-6.659	0.128	-37.622	-602.308
3456_3457	3456	3457	-2510.14	-204.736	6.659	-0.128	60.857	1321.882
3457_3457	3457	3457	2515.64	211.094	4.003	-0.588	-64.431	-1321.86
3457_3110	3457	3110	-2514.72	-207.594	-4.003	0.588	48.033	2179.369
3460_3132	3460	3132	2198.113	-309.154	-24.301	-1.323	235.309	-4079.93
3460_3461	3460	3461	-2199.03	313.387	24.301	1.323	-116.185	2554.094
3461_3461	3461	3461	2206.113	-213.13	-11.967	0.037	112.21	-2554.11
3461_3462	3461	3462	-2206.91	216.108	11.967	-0.037	-70.467	1805.494
3462_3462	3462	3462	2211.468	-163.095	-9.986	0	70.932	-1805.48
3462_3463	3462	3463	-2214.18	172.355	9.986	0	38.12	-26.145
3463_3463	3463	3463	2243.892	-111.715	2.753	-0.141	-37.689	25.98
3463_3464	3463	3464	-2245.87	117.768	-2.753	0.141	17.848	-852.995
3464_3464	3464	3464	2248.001	-65.539	2.978	0.188	-17.877	852.995
3464_3465	3464	3465	-2250.12	71.548	-2.978	-0.188	-3.599	-1347.31
3465_3465	3465	3465	2284.787	-5.279	0.025	-0.117	0.707	1347.366
3465_3466	3465	3466	-2289.44	17.129	-0.025	0.117	-1.071	-1508.82
3466_3466	3466	3466	2331.904	44.316	1.887	-0.111	-1.256	1508.703
3466_3467	3466	3467	-2335.02	-37.14	-1.887	0.111	-15.455	-1148.05
3467_3467	3467	3467	2333.765	85.15	1.524	-0.253	15.53	1148.051
3467_3468	3467	3468	-2335.93	-80.43	-1.524	0.253	-24.003	-687.906
3468_3468	3468	3468	2354.773	-448.412	1.507	3.5	22.319	687.901

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3468_3469	3468	3469	-2355.39	451.169	-1.507	-3.5	-26.874	-2047.77
3469_3469	3469	3469	2357.563	448.65	1.187	-3.578	13.33	2056.185
3469_3470	3469	3470	-2356.95	-445.893	-1.187	3.578	-16.92	-703.997
3470_3470	3470	3470	2340.102	-83.286	-1.557	0.256	18.399	704.004
3470_3471	3470	3471	-2337.93	88.006	1.557	-0.256	-9.748	-1180.02
3471_3471	3471	3471	2339.249	-39.91	-1.193	-0.126	9.83	1180.022
3471_3472	3471	3472	-2336.13	47.086	1.193	0.126	0.733	-1565.2
3472_3472	3472	3472	2298.063	16.049	0.08	-0.037	0.913	1565.136
3472_3473	3472	3473	-2293.41	-4.19	-0.08	0.037	-2.065	-1419.22
3473_3473	3473	3473	2263.998	72.076	-0.094	-0.194	2.635	1419.219
3473_3474	3473	3474	-2261.88	-66.066	0.094	0.194	-1.96	-921.083
3474_3474	3474	3474	2259.731	118.617	-0.343	-0.136	1.921	921.083
3474_3475	3474	3475	-2257.75	-112.564	0.343	0.136	0.551	-87.931
3475_3475	3475	3475	2233.562	175.951	1.061	-1.155	-0.149	87.938
3475_3476	3475	3476	-2230.85	-166.69	-1.061	1.155	-11.441	1783.155
3476_3476	3476	3476	2226.197	220.186	6.372	2.94	10.243	-1783.16
3476_3477	3476	3477	-2225.4	-217.207	-6.372	-2.94	-32.473	2546.11
3477_3477	3477	3477	2229.332	221.67	-2.57	-0.085	35.467	-2546.04
3477_3148	3477	3148	-2228.41	-218.17	2.57	0.085	-24.941	3446.644
3480_3168	3480	3168	2144.953	-240.272	32.303	0.673	-95.861	-4522.83
3480_3481	3480	3481	-2145.87	243.772	-32.303	-0.673	-36.431	3531.676
3481_3481	3481	3481	2143.685	-239.11	-4.304	-2.213	29.627	-3531.61
3481_3482	3481	3482	-2144.48	242.088	4.304	2.213	-14.613	2692.287
3482_3482	3482	3482	2149.673	-190.584	-1.522	1.014	15.604	-2692.28
3482_3483	3482	3483	-2152.39	199.845	1.522	-1.014	1.021	560.206
3483_3483	3483	3483	2191.025	-139.317	0.342	0.198	-4.299	-560.222
3483_3484	3483	3484	-2193	145.37	-0.342	-0.198	1.831	-465.762
3484_3484	3484	3484	2195.833	-93.349	0.632	0.179	-1.848	465.761
3484_3485	3484	3485	-2197.95	99.349	-0.632	-0.179	-2.702	-1159.72
3485_3485	3485	3485	2243.54	-35.687	0.91	0.023	-1.152	1159.604
3485_3486	3485	3486	-2248.2	47.546	-0.91	-0.023	-11.976	-1759.68
3486_3486	3486	3486	2304.748	12.586	-2.83	-0.315	7.304	1759.566
3486_3487	3486	3487	-2307.87	-5.411	2.83	0.315	17.754	-1679.88
3487_3487	3487	3487	2307.267	52.868	-3.186	0.307	-17.638	1679.884
3487_3488	3487	3488	-2309.44	-48.148	3.186	-0.307	35.347	-1399.16
3488_3488	3488	3488	2338.021	-478.687	5.379	-5.605	-41.843	1399.163
3488_3489	3488	3489	-2338.64	481.444	-5.379	5.605	25.58	-2850.57
3489_3489	3489	3489	2340.394	482.278	0.136	5.847	0.641	2855.421
3489_3490	3489	3490	-2339.78	-479.521	-0.136	-5.847	-1.052	-1401.5
3490_3490	3490	3490	2309.591	-47.667	0.101	0.242	3.087	1401.372
3490_3491	3490	3491	-2307.42	52.387	-0.101	-0.242	-3.646	-1679.42
3491_3491	3491	3491	2308.013	-4.927	0.457	-0.092	3.762	1679.422
3491_3492	3491	3492	-2304.89	12.102	-0.457	0.092	-7.809	-1754.82
3492_3492	3492	3492	2247.062	48.419	-0.996	-0.098	12.326	1754.791
3492_3493	3492	3493	-2242.41	-36.56	0.996	0.098	2.037	-1142.12
3493_3493	3493	3493	2195.483	101.318	-0.583	-0.285	2.184	1142.187
3493_3494	3493	3494	-2193.36	-95.309	0.583	0.285	2.022	-433.153
3494_3494	3494	3494	2190.618	145.314	-0.776	-0.2	-2.041	433.153
3494_3495	3494	3495	-2188.64	-139.27	0.776	0.2	7.626	591.106
3495_3495	3495	3495	2149.294	200.743	1.495	0.727	-4.789	-591.118
3495_3496	3495	3496	-2146.58	-191.481	-1.495	-0.727	-11.542	2733.001
3496_3496	3496	3496	2141.371	242.91	-1.282	-3.205	12.532	-2733
3496_3497	3496	3497	-2140.58	-239.932	1.282	3.205	-8.06	3575.184

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3497_3497	3497	3497	2143.226	244.387	-24.234	-0.582	11.162	-3575.18
3497_3184	3497	3184	-2142.31	-240.887	24.234	0.582	88.081	4568.814
3500_3204	3500	3204	2396.569	-242.177	-16.689	0.537	-14.728	-3958.49
3500_3501	3500	3501	-2397.66	246.316	16.689	-0.537	83.073	2958.264
3501_3501	3501	3501	2395.303	-240.939	8.186	1.937	-77.289	-2958.44
3501_3502	3501	3502	-2396.24	244.461	-8.186	-1.937	48.732	2111.748
3502_3502	3502	3502	2401.429	-186.887	4.622	-0.101	-49.611	-2111.73
3502_3503	3502	3503	-2404.64	197.84	-4.622	0.101	-0.871	10.787
3503_3503	3503	3503	2399.563	-128.334	0.913	-0.144	1.477	-10.791
3503_3504	3503	3504	-2401.9	135.493	-0.913	0.144	-8.061	-940.011
3504_3504	3504	3504	2404.404	-79.616	-2.117	0.867	8.478	940.007
3504_3505	3504	3505	-2406.91	86.723	2.117	-0.867	6.786	-1539.81
3505_3505	3505	3505	2403.657	-7.63	0.384	0.232	-7.049	1539.845
3505_3506	3505	3506	-2409.16	21.645	-0.384	-0.232	1.515	-1750.77
3506_3506	3506	3506	2406.003	58.44	1.621	0.173	-1.038	1750.755
3506_3507	3506	3507	-2409.69	-49.954	-1.621	-0.173	-13.315	-1270.84
3507_3507	3507	3507	2408.155	99.496	1.246	0.094	13.405	1270.836
3507_3508	3507	3508	-2410.7	-93.96	-1.246	-0.094	-20.329	-733.222
3508_3508	3508	3508	2379.25	-417.019	-0.04	1.954	21.198	733.2
3508_3509	3508	3509	-2379.97	420.253	0.04	-1.954	-21.076	-1998.88
3509_3509	3509	3509	2379.752	419.407	-5.608	-2.084	21.105	1998.565
3509_3510	3509	3510	-2379.03	-416.174	5.608	2.084	-4.15	-735.504
3510_3510	3510	3510	2408.315	-94.648	-0.289	0.117	4.919	735.553
3510_3511	3510	3511	-2405.77	100.184	0.289	-0.117	-3.314	-1276.99
3511_3511	3511	3511	2407.324	-50.691	0.086	-0.148	3.402	1276.99
3511_3512	3511	3512	-2403.64	59.177	-0.086	0.148	-4.164	-1763.43
3512_3512	3512	3512	2404.986	21.599	-0.088	-0.159	4.404	1763.443
3512_3513	3512	3513	-2399.48	-7.573	0.088	0.159	-3.132	-1553.12
3513_3513	3513	3513	2400.147	86.058	0.486	-0.153	2.874	1553.129
3513_3514	3513	3514	-2397.64	-78.951	-0.486	0.153	-6.378	-958.112
3514_3514	3514	3514	2395.156	134.654	0.222	-0.193	6.338	958.112
3514_3515	3514	3515	-2392.82	-127.494	-0.222	0.193	-7.938	-13.359
3515_3515	3515	3515	2397.127	197.011	-10.708	-0.415	7.89	13.365
3515_3516	3515	3516	-2393.92	-186.058	10.708	0.415	109.06	2078.493
3516_3516	3516	3516	2388.763	243.431	-11.674	1.338	-108.808	-2078.51
3516_3517	3516	3517	-2387.82	-239.909	11.674	-1.338	149.533	2921.565
3517_3517	3517	3517	2389.238	243.572	-0.535	-1.821	-151.575	-2921.56
3517_3220	3517	3220	-2388.15	-239.444	0.535	1.821	153.761	3908.178
3520_3241	3520	3241	2379.937	-317.8	-16.741	41.897	-551.869	-7114.48
3520_3521	3520	3521	-2381.25	322.766	16.741	-41.897	620.364	5804.04
3521_3521	3521	3521	2365.497	-321.104	47.727	2.876	-611.684	-5811.33
3521_3522	3521	3522	-2366.63	325.329	-47.727	-2.876	445.394	4685.178
3522_3522	3522	3522	2373.782	-269.145	41.983	1.7	-448.636	-4684.87
3522_3523	3522	3523	-2377.64	282.301	-41.983	-1.7	-9.847	1673.813
3523_3523	3523	3523	2381.715	-206.218	2.376	1.014	5.377	-1673.34
3523_3524	3523	3524	-2384.53	214.822	-2.376	-1.014	-22.508	155.306
3524_3524	3524	3524	2388.931	-158.427	-5.332	-0.031	22.344	-155.333
3524_3525	3524	3525	-2391.94	166.957	5.332	0.031	16.083	-1017.18
3525_3525	3525	3525	2392.24	-85.753	-0.665	-0.406	-18.496	1016.384
3525_3526	3525	3526	-2398.86	102.601	0.665	0.406	28.087	-2374.39
3526_3526	3526	3526	2399.083	-20.962	1.489	-3.308	-27.854	2371.77
3526_3527	3526	3527	-2403.51	31.157	-1.489	3.308	14.67	-2602.54
3527_3527	3527	3527	2403.633	19.457	-4.413	3.368	-11.808	2602.554

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3527_3528	3527	3528	-2406.66	-12.868	4.413	-3.368	36.308	-2512.82
3528_3528	3528	3528	2356.825	-498.934	6.809	-6.977	-38.273	2512.659
3528_3529	3528	3529	-2357.69	502.798	-6.809	6.977	17.634	-4030.75
3529_3529	3529	3529	2355.723	491.499	-1.585	4.674	-17.126	4029.49
3529_3530	3529	3530	-2354.86	-487.647	1.585	-4.674	21.916	-2550.03
3530_3530	3530	3530	2402.146	-20.65	10.037	-4.858	-20.995	2549.32
3530_3531	3530	3531	-2399.12	27.24	-10.037	4.858	-34.741	-2682.29
3531_3531	3531	3531	2399.171	23.631	4.131	1.038	31.749	2682.326
3531_3532	3531	3532	-2394.74	-13.431	-4.131	-1.038	-68.351	-2518.15
3532_3532	3532	3532	2396.816	90.395	-0.618	-0.971	64.485	2516.715
3532_3533	3532	3533	-2390.2	-73.553	0.618	0.971	-55.576	-1335.08
3533_3533	3533	3533	2391.815	148.355	-0.632	0.147	53.889	1334.935
3533_3534	3533	3534	-2388.8	-139.825	0.632	-0.147	-49.336	-296.476
3534_3534	3534	3534	2384.814	196.439	-2.161	-0.828	49.262	296.487
3534_3535	3534	3535	-2382	-187.832	2.161	0.828	-33.676	1089.376
3535_3535	3535	3535	2391.398	252.554	-16.369	3.56	36.411	-1087.69
3535_3536	3535	3536	-2387.55	-239.407	16.369	-3.56	142.241	3772.284
3536_3536	3536	3536	2380.864	297.977	-25.529	-7.963	-138.108	-3772.43
3536_3537	3536	3537	-2379.73	-293.74	25.529	7.963	227.284	4805.904
3537_3537	3537	3537	2353.15	454.461	-17.137	-41.402	-233.198	-4815.51
3537_3255	3537	3255	-2351.84	-447.702	17.137	41.402	327.18	7289.259
3540_3279	3540	3279	3502.665	-476.849	20.937	103.093	-317.187	-4754.24
3540_3541	3540	3541	-3504.07	483.42	-20.937	-103.093	213.029	2365.644
3541_3541	3541	3541	3518.859	-314.833	24.42	0.502	-203.412	-2412.28
3541_3542	3541	3542	-3520.08	319.379	-24.42	-0.502	118.346	1307.634
3542_3542	3542	3542	3526.652	-236.402	19.096	1.275	-118.891	-1307.58
3542_3543	3542	3543	-3530.8	250.564	-19.096	-1.275	-89.717	-1352.22
3543_3543	3543	3543	3558.306	-143.32	-5.131	-2.052	84.539	1349.476
3543_3544	3543	3544	-3561.33	152.57	5.131	2.052	-47.575	-2415.32
3544_3544	3544	3544	3563.906	-69.839	-9.253	-0.343	48.508	2415.304
3544_3545	3544	3545	-3567.15	79.023	9.253	0.343	18.202	-2951.89
3545_3545	3545	3545	3552.994	34.361	-2.24	-1.575	-16.992	2946.619
3545_3546	3545	3546	-3560.11	-16.23	2.24	1.575	49.29	-2581.87
3546_3546	3546	3546	3540.728	130.929	12.977	-1.775	-47.431	2578.029
3546_3547	3546	3547	-3545.5	-119.95	-12.977	1.775	-67.552	-1466.59
3547_3547	3547	3547	3542.11	196.331	4.343	0.256	69.103	1466.52
3547_3548	3547	3548	-3545.36	-189.264	-4.343	-0.256	-93.202	-396.643
3548_3548	3548	3548	3514.08	-563.988	-22.641	0.24	98.343	389.154
3548_3549	3548	3549	-3515.01	568.134	22.641	-0.24	-29.726	-2104.67
3549_3549	3549	3549	3533.621	581.619	-21.903	-3.539	30.578	2107.803
3549_3550	3549	3550	-3532.67	-577.558	21.903	3.539	34.599	-383.072
3550_3550	3550	3550	3553.366	-194.715	17.186	-3.192	-31.361	385.546
3550_3551	3550	3551	-3549.93	201.87	-17.186	3.192	-65.933	-1508.12
3551_3551	3551	3551	3553.64	-121.118	5.311	0.273	63.598	1508.224
3551_3552	3551	3552	-3548.95	131.48	-5.311	-0.273	-108.315	-2571.54
3552_3552	3552	3552	3552.046	5.768	-1.255	-2.042	107.001	2570.192
3552_3553	3552	3553	-3544.91	11.872	1.255	2.042	-89.325	-2613.18
3553_3553	3553	3553	3546.411	116.432	-5.526	-3.381	86.87	2611.383
3553_3554	3553	3554	-3543.18	-107.49	5.526	3.381	-47.985	-1823.47
3554_3554	3554	3554	3539.2	198.945	-14.466	0.076	46.323	1823.52
3554_3555	3554	3555	-3536.2	-189.916	14.466	-0.076	55.558	-454.192
3555_3555	3555	3555	3538.728	313.198	-17.901	-1.211	-56.869	452.65
3555_3556	3555	3556	-3534.69	-299.388	17.901	1.211	247.553	2809.928

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3556_3556	3556	3556	3525.057	397.097	-16.358	6.908	-247.825	-2809.9
3556_3557	3556	3557	-3523.88	-392.622	16.358	-6.908	303.847	4162.197
3557_3557	3557	3557	3491.305	541.552	3.829	-3.835	-304.963	-4164.03
3557_3293	3557	3293	-3489.44	-533.008	-3.829	3.835	280.174	7642.137
4000_4000	4000	4000	7.115	14.996	0.08	0.013	0	-8.868
4000_4001	4000	4001	-21.397	7.334	-0.08	-0.013	-1.105	76.57
4001_4001	4001	4001	21.396	-7.334	0.08	-0.018	1.105	-76.57
4001_4002	4001	4002	-31.883	23.73	-0.08	0.018	-1.916	-70.153
4002_4002	4002	4002	31.893	21.74	-0.097	0.029	1.916	70.089
4002_4003	4002	4003	-28.608	-2.099	0.097	-0.029	-0.741	71.438
4003_4003	4003	4003	28.607	2.099	-0.097	-0.029	0.741	-71.439
4003_4004	4003	4004	-25.323	17.541	0.097	0.029	0.435	-25.716
4004_4004	4004	4004	25.337	19.865	0.028	-0.002	-0.435	25.511
4004_4005	4004	4005	-25.557	-0.22	-0.028	0.002	0.09	96.863
4005_4005	4005	4005	25.557	0.22	0.028	-0.002	-0.09	-96.863
4005_4006	4005	4006	-25.777	19.425	-0.028	0.002	-0.255	-19.558
4006_4006	4006	4006	25.789	19.9	-0.007	0.043	0.255	19.46
4006_4007	4006	4007	-25.489	-0.271	0.007	-0.043	-0.164	102.734
4007_4007	4007	4007	25.489	0.271	-0.007	-0.05	0.164	-102.734
4007_4008	4007	4008	-25.189	19.372	0.007	0.05	-0.073	-13.646
4008_4008	4008	4008	25.188	19.502	0.004	-0.008	0.073	13.689
4008_4009	4008	4009	-24.963	0.148	-0.004	0.008	-0.118	103.713
4009_4009	4009	4009	24.963	-0.148	0.004	0.002	0.118	-103.713
4009_4010	4009	4010	-24.738	19.781	-0.004	-0.002	-0.163	-17.584
4010_4010	4010	4010	24.718	19.23	0.002	-0.008	0.163	17.833
4010_4011	4010	4011	-25.218	0.42	-0.002	0.008	-0.188	97.028
4011_4011	4011	4011	25.218	-0.42	0.002	0.002	0.188	-97.028
4011_4012	4011	4012	-25.717	20.053	-0.002	-0.002	-0.212	-26.808
4012_4012	4012	4012	25.724	18.762	-0.01	-0.037	0.212	26.811
4012_4013	4012	4013	-22.97	0.89	0.01	0.037	-0.09	78.775
4013_4013	4013	4013	22.97	-0.89	-0.01	0.032	0.09	-78.775
4013_4014	4013	4014	-20.219	20.528	0.01	-0.032	0.033	-54.419
4014_4014	4014	4014	20.224	18.714	0.028	0.002	-0.033	54.352
4014_4015	4014	4015	-38.242	7.628	-0.028	-0.002	-0.419	55.465
4015_4015	4015	4015	38.179	-7.63	0.028	-0.014	0.419	-55.37
4015_4016	4015	4016	-47.3	20.971	-0.028	0.014	-0.647	-52.827
4016_4016	4016	4016	17.142	19.751	-0.02	-0.01	0.701	102.349
4016_4017	4016	4017	-21.075	-1.033	0.02	0.01	-0.464	24.022
4017_4017	4017	4017	21.075	1.033	-0.02	0	0.464	-24.022
4017_4018	4017	4018	-25.51	20.073	0.02	0	-0.194	-97.33
4018_4018	4018	4018	25.508	19.589	0.049	0.002	0.194	97.295
4018_4019	4018	4019	-23.68	0.316	-0.049	-0.002	-0.809	21.482
4019_4019	4019	4019	23.681	-0.316	0.05	-0.015	0.809	-21.482
4019_4020	4019	4020	-21.853	20.22	-0.05	0.015	-1.428	-108.462
4020_4020	4020	4020	21.794	20.896	-0.023	-0.008	1.428	108.42
4020_4021	4020	4021	-22.418	-5.76	0.023	0.008	-1.212	18.77
4021_4021	4021	4021	22.399	5.759	-0.023	0.002	1.213	-18.749
4021_4022	4021	4022	-22.909	6.591	0.023	-0.002	-1.034	15.966
4022_4022	4022	4022	22.909	-6.591	-0.023	-0.016	1.034	-15.966
4022_4023	4022	4023	-23.417	18.924	0.023	0.016	-0.86	-82.368
4023_4023	4023	4023	23.416	19.46	-0.104	-0.009	0.86	82.432
4023_4024	4023	4024	-23.36	-6.711	0.104	0.009	-0.026	22.241
4024_4024	4024	4024	23.36	6.711	-0.104	-0.009	0.026	-22.241

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4024_4025	4024	4025	-23.305	6.039	0.104	0.009	0.808	24.863
4025_4025	4025	4025	23.305	-6.039	-0.104	-0.006	-0.808	-24.863
4025_4026	4025	4026	-23.249	18.773	0.104	0.006	1.641	-74.379
4026_4026	4026	4026	23.25	18.965	-0.014	-0.037	-1.641	74.381
4026_4027	4026	4027	-23.315	-9.407	0.014	0.037	1.727	10.776
4027_4027	4027	4027	23.315	9.407	-0.014	-0.037	-1.727	-10.776
4027_4028	4027	4028	-23.381	0.15	0.014	0.037	1.813	38.589
4028_4028	4028	4028	23.38	-0.15	-0.015	0.027	-1.813	-38.589
4028_4029	4028	4029	-23.446	9.709	0.015	-0.027	1.903	9.047
4029_4029	4029	4029	23.446	-9.709	-0.014	0.012	-1.903	-9.047
4029_4030	4029	4030	-23.511	19.266	0.014	-0.012	1.989	-77.84
4030_4030	4030	4030	23.512	18.347	0.06	-0.008	-1.989	77.788
4030_4031	4030	4031	-23.776	-5.604	-0.06	0.008	1.512	18.212
4031_4031	4031	4031	23.776	5.604	0.06	-0.008	-1.512	-18.212
4031_4032	4031	4032	-24.04	7.14	-0.06	0.008	1.035	12.266
4032_4032	4032	4032	24.04	-7.14	0.06	-0.008	-1.035	-12.266
4032_4033	4032	4033	-24.304	19.883	-0.06	0.008	0.557	-95.625
4033_4033	4033	4033	24.307	18.897	0.045	-0.005	-0.557	95.63
4033_4034	4033	4034	-23.839	-6.559	-0.045	0.005	0.211	2.544
4034_4034	4034	4034	23.839	6.559	0.045	-0.005	-0.211	-2.544
4034_4035	4034	4035	-23.371	5.794	-0.045	0.005	-0.137	5.102
4035_4035	4035	4035	23.371	-5.794	0.045	-0.007	0.137	-5.102
4035_4036	4035	4036	-22.798	20.899	-0.045	0.007	-0.565	-121.962
4036_4036	4036	4036	22.767	20.788	-0.015	-0.008	0.565	121.956
4036_4037	4036	4037	-24.27	-0.85	0.015	0.008	-0.373	14.864
4037_4037	4037	4037	24.27	0.85	-0.015	-0.005	0.373	-14.864
4037_4038	4037	4038	-25.771	19.056	0.015	0.005	-0.18	-97.489
4038_4038	4038	4038	25.773	14.336	-0.161	-0.006	0.18	97.6
4038_4039	4038	4039	-17.429	6.776	0.161	0.006	1.96	-56.6
4039_4039	4039	4039	58.465	-4.007	-0.002	-0.005	-0.175	-8.816
4039_4040	4039	4040	-106.779	22.367	0.002	0.005	0.195	-93.874
4040_4040	4040	4040	106.781	19.07	0.025	-0.018	-0.195	93.965
4040_4041	4040	4041	-109.383	-6.171	-0.025	0.018	-0.01	13.505
4041_4041	4041	4041	109.383	6.171	0.025	0.002	0.01	-13.504
4041_4042	4041	4042	-114.386	18.623	-0.025	-0.002	-0.404	-78.907
4042_4042	4042	4042	114.387	20.441	-0.014	-0.006	0.404	78.928
4042_4043	4042	4043	-105.389	-1.775	0.014	0.006	-0.241	43.872
4043_4043	4043	4043	105.389	1.775	-0.014	-0.001	0.241	-43.872
4043_4044	4043	4044	-96.398	16.876	0.014	0.001	-0.078	-56.095
4044_4044	4044	4044	96.384	19.524	0.003	0	0.078	56.224
4044_4045	4044	4045	-89.609	-0.858	-0.003	0	-0.11	58.18
4045_4045	4045	4045	89.609	0.858	0.003	0	0.11	-58.18
4045_4046	4045	4046	-82.833	17.808	-0.003	0	-0.143	-50.361
4046_4046	4046	4046	82.836	19.149	0.004	0.003	0.143	50.363
4046_4047	4046	4047	-76.068	-0.491	-0.004	-0.003	-0.188	59.549
4047_4047	4047	4047	76.068	0.491	0.004	0.003	0.188	-59.549
4047_4048	4047	4048	-69.301	18.168	-0.004	-0.003	-0.232	-53.296
4048_4048	4048	4048	69.29	18.661	-0.014	0.004	0.232	53.419
4048_4049	4048	4049	-61.422	0.013	0.014	-0.004	-0.063	49.319
4049_4049	4049	4049	61.422	-0.013	-0.014	0.008	0.063	-49.319
4049_4050	4049	4050	-53.559	18.672	0.014	-0.008	0.107	-70.879
4050_4050	4050	4050	53.583	18.159	0.023	0.011	-0.107	70.679
4050_4051	4050	4051	-49.818	6.605	-0.023	-0.011	-0.251	17.34

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4051_4051	4051	4051	49.764	-6.605	0.023	-0.002	0.25	-17.26
4051_4052	4051	4052	-47.804	19.504	-0.023	0.002	-0.437	-92.316
4052_4052	4052	4052	47.806	19.62	-0.034	0.007	0.437	92.401
4052_4053	4052	4053	-26.455	-1.251	0.034	-0.007	-0.04	4.979
4053_4053	4053	4053	25.988	2.254	-0.033	0.006	0.127	-5.036
4053_4054	4053	4054	-28.552	17.812	0.033	-0.006	0.316	-95.374
4054_4054	4054	4054	28.545	18.503	0.061	0.006	-0.316	95.242
4054_4055	4054	4055	-28.742	0.432	-0.061	-0.006	-0.452	18.323
4055_4055	4055	4055	28.742	-0.432	0.061	0.006	0.452	-18.323
4055_4056	4055	4056	-28.939	19.366	-0.061	-0.006	-1.221	-104.816
4056_4056	4056	4056	28.958	19.905	-0.051	0.002	1.221	104.827
4056_4057	4056	4057	-29.086	-5.526	0.051	-0.002	-0.736	15.844
4057_4057	4057	4057	29.068	5.526	-0.051	0.008	0.735	-15.824
4057_4058	4057	4058	-29.172	6.212	0.051	-0.008	-0.339	13.126
4058_4058	4058	4058	29.172	-6.212	-0.051	0.008	0.339	-13.126
4058_4059	4058	4059	-29.277	17.95	0.051	-0.008	0.056	-80.536
4059_4059	4059	4059	29.277	18.873	-0.087	-0.001	-0.056	80.53
4059_4060	4059	4060	-28	-6.746	0.087	0.001	0.749	20.659
4060_4060	4060	4060	28	6.746	-0.087	0.022	-0.749	-20.659
4060_4061	4060	4061	-26.725	5.368	0.087	-0.022	1.442	24.794
4061_4061	4061	4061	26.725	-5.368	-0.087	-0.004	-1.442	-24.794
4061_4062	4061	4062	-25.45	17.481	0.087	0.004	2.134	-67.94
4062_4062	4062	4062	25.449	18.323	0.004	0.022	-2.134	67.988
4062_4063	4062	4063	-24.824	-9.231	-0.004	-0.022	2.109	14.01
4063_4063	4063	4063	24.825	9.231	0.004	0.038	-2.109	-14.01
4063_4064	4063	4064	-24.2	-0.138	-0.004	-0.038	2.083	41.431
4064_4064	4064	4064	24.2	0.138	0.004	-0.019	-2.083	-41.431
4064_4065	4064	4065	-23.576	8.939	-0.004	0.019	2.058	14.36
4065_4065	4065	4065	23.576	-8.939	0.004	-0.02	-2.058	-14.36
4065_4066	4065	4066	-22.951	18.031	-0.004	0.02	2.033	-67.287
4066_4066	4066	4066	22.952	17.999	0.102	0.012	-2.033	67.297
4066_4067	4066	4067	-21.7	-5.874	-0.102	-0.012	1.219	26.808
4067_4067	4067	4067	21.7	5.874	0.102	0.013	-1.219	-26.808
4067_4068	4067	4068	-20.45	6.236	-0.102	-0.013	0.407	23.917
4068_4068	4068	4068	20.45	-6.236	0.102	-0.01	-0.407	-23.917
4068_4069	4068	4069	-19.198	18.36	-0.102	0.01	-0.406	-75.966
4069_4069	4069	4069	19.195	17.714	0.031	0.004	0.406	75.914
4069_4070	4069	4070	-19.374	-5.984	-0.031	-0.004	-0.649	16.202
4070_4070	4070	4070	19.374	5.984	0.031	0.004	0.649	-16.202
4070_4071	4070	4071	-19.553	5.761	-0.031	-0.004	-0.893	17.421
4071_4071	4071	4071	19.531	-5.761	0.031	0.009	0.897	-17.403
4071_4072	4071	4072	-19.75	20.147	-0.031	-0.009	-1.196	-105.197
4072_4072	4072	4072	19.745	20.152	-0.002	-0.004	1.196	105.206
4072_4073	4072	4073	-19.311	-1.22	0.002	0.004	-1.169	27.493
4073_4073	4073	4073	19.312	1.22	-0.002	0.013	1.169	-27.493
4073_4074	4073	4074	-18.878	17.713	0.002	-0.013	-1.142	-76.448
4074_4074	4074	4074	18.881	14.424	-0.269	-0.015	1.142	76.498
4074_4075	4074	4075	0.718	5.646	0.269	0.015	2.422	-39.736
4075_4075	4075	4075	44.837	-2.999	-0.01	0.025	0.112	-33.335
4075_4076	4075	4076	-87.826	20.404	0.01	-0.025	0	-54.703
4076_4076	4076	4076	87.832	17.729	0.022	0.01	0	54.857
4076_4077	4076	4077	-85.588	-5.506	-0.022	-0.01	-0.184	38.547
4077_4077	4077	4077	85.512	5.506	0.022	-0.003	0.186	-38.419

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4077_4078	4077	4078	-81.595	15.84	-0.022	0.003	-0.508	-40.299
4078_4078	4078	4078	81.61	17.693	-0.02	0.001	0.508	40.175
4078_4079	4078	4079	-78.198	-1.064	0.02	-0.001	-0.281	61.046
4079_4079	4079	4079	78.198	1.064	-0.02	0.001	0.281	-61.046
4079_4080	4079	4080	-74.786	15.565	0.02	-0.001	-0.054	-24.382
4080_4080	4080	4080	74.814	16.736	0.004	0.001	0.054	24.166
4080_4081	4080	4081	-72.186	-0.11	-0.004	-0.001	-0.102	67.265
4081_4081	4081	4081	72.186	0.11	0.004	0.001	0.102	-67.265
4081_4082	4081	4082	-69.557	16.515	-0.004	-0.001	-0.149	-27.872
4082_4082	4082	4082	69.552	18.048	-0.001	-0.034	0.149	27.939
4082_4083	4082	4083	-66.552	-0.178	0.001	0.034	-0.134	78.397
4083_4083	4083	4083	66.552	0.178	-0.001	0.038	0.134	-78.397
4083_4084	4083	4084	-63.553	17.693	0.001	-0.038	-0.119	-30.836
4084_4084	4084	4084	63.557	16.733	-0.003	0.033	0.119	30.838
4084_4085	4084	4085	-61.016	-0.111	0.003	-0.033	-0.091	60.598
4085_4085	4085	4085	61.016	0.111	-0.002	-0.028	0.091	-60.598
4085_4086	4085	4086	-58.473	16.525	0.002	0.028	-0.063	-34.622
4086_4086	4086	4086	58.494	16.204	0.007	0.027	0.063	34.455
4086_4087	4086	4087	-55.042	0.418	-0.007	-0.027	-0.145	49.896
4087_4087	4087	4087	55.042	-0.418	0.007	-0.021	0.145	-49.896
4087_4088	4087	4088	-51.591	17.039	-0.007	0.021	-0.227	-52.24
4088_4088	4088	4088	51.571	14.959	-0.015	-0.005	0.227	52.433
4088_4089	4088	4089	-53.733	5.573	0.015	0.005	-0.022	15.156
4089_4089	4089	4089	53.681	-5.573	-0.015	0.009	0.022	-15.082
4089_4090	4089	4090	-54.966	17.789	0.015	-0.009	0.099	-79.725
4090_4090	4090	4090	54.962	17.925	-0.003	0.001	-0.099	79.912
4090_4091	4090	4091	-36.176	-0.506	0.003	-0.001	0.134	5.495
4091_4091	4091	4091	36.09	1.388	0.015	0	-0.231	-5.755
4091_4092	4091	4092	-40.475	17.946	-0.015	0	0.03	-99.34
4092_4092	4092	4092	40.469	18.094	0.008	-0.001	-0.03	99.205
4092_4093	4092	4093	-39.728	0.142	-0.008	0.001	-0.075	12.615
4093_4093	4093	4093	39.728	-0.142	0.008	-0.001	0.075	-12.615
4093_4094	4093	4094	-38.987	18.378	-0.008	0.001	-0.18	-103.444
4094_4094	4094	4094	38.935	19.109	-0.024	-0.002	0.18	103.414
4094_4095	4094	4095	-39.238	-5.239	0.024	0.002	0.044	12.464
4095_4095	4095	4095	39.171	5.239	-0.024	0.005	-0.046	-12.38
4095_4096	4095	4096	-39.419	6.076	0.024	-0.005	0.23	9.271
4096_4096	4096	4096	39.419	-6.076	-0.024	-0.005	-0.23	-9.271
4096_4097	4096	4097	-39.666	17.376	0.024	0.005	0.412	-81.398
4097_4097	4097	4097	39.667	18.034	0.016	-0.001	-0.412	81.401
4097_4098	4097	4098	-38.943	-6.355	-0.016	0.001	0.283	15.349
4098_4098	4098	4098	38.943	6.355	0.016	0	-0.283	-15.349
4098_4099	4098	4099	-38.219	5.31	-0.016	0	0.154	18.682
4099_4099	4099	4099	38.219	-5.31	0.016	-0.001	-0.154	-18.682
4099_4100	4099	4100	-37.494	16.989	-0.016	0.001	0.025	-71.392
4100_4100	4100	4100	37.493	17.541	-0.005	0.005	-0.025	71.384
4100_4101	4100	4101	-37.172	-8.781	0.005	-0.005	0.056	7.22
4101_4101	4101	4101	37.172	8.781	-0.005	-0.003	-0.056	-7.22
4101_4102	4101	4102	-36.851	-0.022	0.005	0.003	0.086	33.242
4102_4102	4102	4102	36.851	0.022	-0.005	-0.002	-0.086	-33.242
4102_4103	4102	4103	-36.531	8.722	0.005	0.002	0.116	6.777
4103_4103	4103	4103	36.531	-8.722	-0.005	-0.002	-0.116	-6.777
4103_4104	4103	4104	-36.21	17.482	0.005	0.002	0.146	-72.265

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4104_4104	4104	4104	36.21	17.186	-0.011	0.011	-0.146	72.268
4104_4105	4104	4105	-35.642	-5.507	0.011	-0.011	0.236	17.79
4105_4105	4105	4105	35.642	5.507	-0.011	-0.006	-0.236	-17.79
4105_4106	4105	4106	-35.076	6.157	0.011	0.006	0.326	14.435
4106_4106	4106	4106	35.075	-6.157	-0.011	-0.007	-0.326	-14.435
4106_4107	4106	4107	-34.508	17.836	0.011	0.007	0.416	-82.336
4107_4107	4107	4107	34.508	17.172	0.018	0.001	-0.416	82.354
4107_4108	4107	4108	-34.304	-5.857	-0.018	-0.001	0.277	6.852
4108_4108	4108	4108	34.304	5.857	0.018	-0.003	-0.277	-6.852
4108_4109	4108	4109	-34.101	5.442	-0.018	0.003	0.137	8.39
4109_4109	4109	4109	34.124	-5.442	0.018	0.002	-0.139	-8.416
4109_4110	4109	4110	-33.874	19.311	-0.018	-0.002	-0.031	-109.298
4110_4110	4110	4110	33.87	19.144	0.013	0.005	0.031	109.301
4110_4111	4110	4111	-34.557	-0.898	-0.013	-0.005	-0.198	16.242
4111_4111	4111	4111	34.556	0.898	0.013	-0.005	0.198	-16.242
4111_4112	4111	4112	-35.242	17.334	-0.013	0.005	-0.365	-86.189
4112_4112	4112	4112	35.243	13.655	-0.108	0.001	0.365	86.215
4112_4113	4112	4113	-19.791	5.686	0.108	-0.001	1.07	-50.816
4113_4113	4113	4113	61.118	-3.377	-0.005	-0.002	0.115	-15.986
4113_4114	4113	4114	-102.869	20.489	0.005	0.002	-0.053	-75.686
4114_4114	4114	4114	102.877	17.183	0.009	-0.051	0.053	75.538
4114_4115	4114	4115	-104.341	-5.184	-0.009	0.051	-0.127	18.618
4115_4115	4115	4115	104.342	5.184	0.009	0.028	0.127	-18.618
4115_4116	4115	4116	-106.896	15.743	-0.009	-0.028	-0.256	-53.792
4116_4116	4116	4116	106.894	17.958	-0.008	-0.001	0.256	53.815
4116_4117	4116	4117	-100.974	-1.619	0.008	0.001	-0.165	49.279
4117_4117	4117	4117	100.974	1.619	-0.008	-0.001	0.165	-49.279
4117_4118	4117	4118	-95.055	14.72	0.008	0.001	-0.075	-30.987
4118_4118	4118	4118	95.024	16.876	0	-0.034	0.075	31.209
4118_4119	4118	4119	-90.475	-0.538	0	0.034	-0.081	61.367
4119_4119	4119	4119	90.476	0.538	0	0.034	0.081	-61.367
4119_4120	4119	4120	-85.923	15.814	0	-0.034	-0.086	-29.548
4120_4120	4120	4120	85.953	18.078	-0.003	-0.036	0.086	29.315
4120_4121	4120	4121	-81.096	-0.532	0.003	0.036	-0.046	77.285
4121_4121	4121	4121	81.096	0.532	-0.003	0.038	0.046	-77.285
4121_4122	4121	4122	-76.235	17.029	0.003	-0.038	-0.006	-27.745
4122_4122	4122	4122	76.235	16.736	-0.002	-0.03	0.006	27.744
4122_4123	4122	4123	-71.976	-0.4	0.002	0.03	0.021	63.508
4123_4123	4123	4123	71.976	0.4	-0.002	0.034	-0.021	-63.508
4123_4124	4123	4124	-67.714	15.952	0.002	-0.034	0.049	-28.712
4124_4124	4124	4124	67.744	16.228	0.001	0.002	-0.049	28.498
4124_4125	4124	4125	-62.397	0.109	-0.001	-0.002	0.033	55.663
4125_4125	4125	4125	62.397	-0.109	0.001	0.002	-0.033	-55.663
4125_4126	4125	4126	-57.051	16.446	-0.001	-0.002	0.018	-43.483
4126_4126	4126	4126	57.083	14.624	-0.018	-0.007	-0.018	43.3
4126_4127	4126	4127	-57.42	5.381	0.018	0.007	0.268	20.973
4127_4127	4127	4127	57.42	-5.381	-0.018	0.015	-0.268	-20.973
4127_4128	4127	4128	-57.623	17.393	0.018	-0.015	0.419	-72.509
4128_4128	4128	4128	57.627	17.793	0.033	0.005	-0.419	72.358
4128_4129	4128	4129	-37.781	-0.685	-0.033	-0.005	0.034	11.53
4129_4129	4129	4129	37.658	1.572	0.063	-0.003	-0.346	-11.558
4129_4130	4129	4130	-42.479	17.726	-0.063	0.003	-0.483	-90.436
4130_4130	4130	4130	42.465	17.573	-0.114	0.006	0.483	90.324

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4130_4131	4130	4131	-42.299	0.633	0.114	-0.006	0.938	16.027
4131_4131	4131	4131	42.299	-0.633	-0.114	-0.005	-0.938	-16.027
4131_4132	4131	4132	-42.133	18.825	0.114	0.005	2.357	-105.008
4132_4132	4132	4132	43.425	18.946	0.191	0.006	-2.357	94.853
4132_4133	4132	4133	-42.741	-5.109	-0.191	-0.006	0.541	18.667
4133_4133	4133	4133	42.741	5.109	0.192	-0.003	-0.541	-18.667
4133_4134	4133	4134	-42.183	6.179	-0.192	0.003	-0.945	13.919
4134_4134	4134	4134	42.183	-6.179	0.192	-0.003	0.945	-13.919
4134_4135	4134	4135	-41.625	17.481	-0.192	0.003	-2.432	-78.485
4135_4135	4135	4135	41.671	18.204	-0.065	-0.001	2.432	78.617
4135_4136	4135	4136	-41.044	-6.551	0.065	0.001	-1.909	19.568
4136_4136	4136	4136	41.044	6.551	-0.065	-0.001	1.909	-19.568
4136_4137	4136	4137	-40.417	5.102	0.065	0.001	-1.386	24.522
4137_4137	4137	4137	40.417	-5.102	-0.065	-0.001	1.386	-24.522
4137_4138	4137	4138	-39.79	16.754	0.065	0.001	-0.862	-63.755
4138_4138	4138	4138	39.793	17.46	-0.02	-0.001	0.862	63.649
4138_4139	4138	4139	-39.45	-8.72	0.02	0.001	-0.74	14.425
4139_4139	4139	4139	39.45	8.72	-0.02	-0.001	0.74	-14.425
4139_4140	4139	4140	-39.107	0.019	0.02	0.001	-0.617	40.057
4140_4140	4140	4140	39.107	-0.019	-0.02	-0.001	0.617	-40.057
4140_4141	4140	4141	-38.763	8.759	0.02	0.001	-0.495	13.246
4141_4141	4141	4141	38.763	-8.759	-0.02	-0.001	0.495	-13.246
4141_4142	4141	4142	-38.42	17.499	0.02	0.001	-0.373	-66.006
4142_4142	4142	4142	38.429	17.041	-0.035	0.004	0.373	65.907
4142_4143	4142	4143	-37.691	-5.388	0.035	-0.004	-0.094	22.774
4143_4143	4143	4143	37.691	5.388	-0.035	0.004	0.094	-22.774
4143_4144	4143	4144	-36.953	6.265	0.035	-0.004	0.185	18.223
4144_4144	4144	4144	36.953	-6.265	-0.034	-0.012	-0.185	-18.223
4144_4145	4144	4145	-36.214	17.918	0.034	0.012	0.456	-79.557
4145_4145	4145	4145	36.205	17.044	-0.011	-0.001	-0.456	79.468
4145_4146	4145	4146	-36.521	-5.77	0.011	0.001	0.537	9.367
4146_4146	4146	4146	36.521	5.77	-0.009	-0.006	-0.537	-9.367
4146_4147	4146	4147	-36.837	5.519	0.009	0.006	0.61	10.878
4147_4147	4147	4147	36.917	-5.519	-0.01	-0.001	-0.614	-10.967
4147_4148	4147	4148	-37.306	19.356	0.01	0.001	0.711	-106.54
4148_4148	4148	4148	37.308	19.381	0.032	-0.003	-0.711	106.598
4148_4149	4148	4149	-37.306	-1.173	-0.032	0.003	0.31	21.356
4149_4149	4149	4149	37.306	1.173	0.032	-0.003	-0.31	-21.356
4149_4150	4149	4150	-37.304	17.034	-0.032	0.003	-0.091	-78.305
4150_4150	4150	4150	37.303	13.068	-0.056	-0.013	0.091	78.305
4150_4151	4150	4151	-17.588	6.232	0.056	0.013	0.651	-55.752
4151_4151	4151	4151	67.398	-3.49	-0.003	0.009	-0.108	-25.115
4151_4152	4151	4152	-113.718	21.342	0.003	-0.009	0.14	-68.063
4152_4152	4152	4152	113.719	17.239	0.002	-0.016	-0.14	68.063
4152_4153	4152	4153	-115.778	-4.705	-0.002	0.016	0.121	25.063
4153_4153	4153	4153	115.969	4.705	0.002	0.007	-0.121	-25.401
4153_4154	4153	4154	-119.405	16.17	-0.002	-0.007	0.095	-49.033
4154_4154	4154	4154	119.404	18.384	0.001	0.032	-0.095	49.033
4154_4155	4154	4155	-112.162	-1.672	-0.001	-0.032	0.082	53.241
4155_4155	4155	4155	112.162	1.672	0.002	-0.034	-0.082	-53.241
4155_4156	4155	4156	-104.92	15.04	-0.002	0.034	0.061	-28.336
4156_4156	4156	4156	104.919	16.292	0.002	0.035	-0.061	28.337
4156_4157	4156	4157	-100.513	-1.084	-0.002	-0.035	0.044	53.818

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4157_4157	4157	4157	100.513	1.084	0.002	-0.033	-0.044	-53.818
4157_4158	4157	4158	-96.107	14.125	-0.002	0.033	0.019	-16.276
4158_4158	4158	4158	96.132	15.049	0.002	0.035	-0.019	16.088
4158_4159	4158	4159	-91.401	0.16	-0.002	-0.035	0	53.247
4159_4159	4159	4159	91.401	-0.16	0.003	-0.029	0	-53.247
4159_4160	4159	4160	-86.671	15.368	-0.003	0.029	-0.027	-29.666
4160_4160	4160	4160	86.669	16.431	0.001	0.003	0.027	29.665
4160_4161	4160	4161	-80.545	0.281	-0.001	-0.003	-0.034	52.262
4161_4161	4161	4161	80.545	-0.281	0.001	0.004	0.034	-52.262
4161_4162	4161	4162	-74.426	16.978	-0.001	-0.004	-0.041	-49.488
4162_4162	4162	4162	74.403	15.467	0.004	-0.01	0.041	49.642
4162_4163	4162	4163	-73.765	5.423	-0.004	0.01	-0.102	19.574
4163_4163	4163	4163	73.912	-5.423	0.003	0.024	0.103	-19.779
4163_4164	4163	4164	-73.532	17.958	-0.003	-0.024	-0.131	-76.581
4164_4164	4164	4164	73.545	18.733	-0.005	0	0.131	76.455
4164_4165	4164	4165	-51.563	-0.881	0.005	0	-0.074	11.314
4165_4165	4165	4165	51.437	1.74	-0.004	0.003	0.109	-11.123
4165_4166	4165	4166	-55.395	18.912	0.004	-0.003	-0.059	-97.976
4166_4166	4166	4166	55.407	19.175	0.001	0.002	0.059	98.087
4166_4167	4166	4167	-55.265	0.322	-0.001	-0.002	-0.071	19.976
4167_4167	4167	4167	55.265	-0.322	0.001	0.002	0.071	-19.976
4167_4168	4167	4168	-55.124	19.82	-0.001	-0.002	-0.083	-105.704
4168_4168	4168	4168	55.165	20.433	-0.002	0.008	0.083	105.828
4168_4169	4168	4169	-55.733	-5.614	0.002	-0.008	-0.062	18.372
4169_4169	4169	4169	55.81	5.614	-0.001	-0.004	0.061	-18.465
4169_4170	4169	4170	-56.273	6.474	0.001	0.004	-0.05	15.513
4170_4170	4170	4170	56.273	-6.474	-0.001	-0.004	0.05	-15.513
4170_4171	4170	4171	-56.736	18.562	0.001	0.004	-0.038	-81.131
4171_4171	4171	4171	56.734	19.498	-0.001	0	0.038	81.133
4171_4172	4171	4172	-55.587	-7.019	0.001	0	-0.027	23.693
4172_4172	4172	4172	55.587	7.019	-0.001	0	0.027	-23.693
4172_4173	4172	4173	-54.44	5.459	0.001	0	-0.017	28.682
4173_4173	4173	4173	54.44	-5.459	-0.001	0	0.017	-28.682
4173_4174	4173	4174	-53.293	17.938	0.001	0	-0.006	-66.167
4174_4174	4174	4174	53.301	18.795	0	0	0.006	66.071
4174_4175	4174	4175	-52.813	-9.437	0	0	-0.005	18.074
4175_4175	4175	4175	52.813	9.437	0	0	0.005	-18.074
4175_4176	4175	4176	-52.324	-0.078	0	0	-0.005	46.062
4176_4176	4176	4176	52.324	0.078	0	0	0.005	-46.062
4176_4177	4176	4177	-51.836	9.281	0	0	-0.004	17.891
4177_4177	4177	4177	51.836	-9.281	0	0	0.004	-17.891
4177_4178	4177	4178	-51.348	18.64	0	0	-0.004	-66.438
4178_4178	4178	4178	51.357	18.287	-0.001	0.007	0.004	66.342
4178_4179	4178	4179	-50.525	-5.824	0.001	-0.007	0.003	28.978
4179_4179	4179	4179	50.525	5.824	-0.001	0.007	-0.003	-28.978
4179_4180	4179	4180	-49.693	6.655	0.001	-0.007	0.009	24.642
4180_4180	4180	4180	49.693	-6.655	0	-0.017	-0.009	-24.642
4180_4181	4180	4181	-48.86	19.133	0	0.017	0.007	-79.529
4181_4181	4181	4181	48.874	18.266	0.002	0.003	-0.007	79.629
4181_4182	4181	4182	-48.912	-6.178	-0.002	-0.003	-0.006	15.298
4182_4182	4182	4182	48.912	6.178	0.003	-0.009	0.006	-15.298
4182_4183	4182	4183	-48.949	5.911	-0.003	0.009	-0.029	16.529
4183_4183	4183	4183	49.054	-5.911	0.002	0	0.026	-16.643

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4183_4184	4183	4184	-49.1	20.729	-0.002	0	-0.046	-109.665
4184_4184	4184	4184	49.109	20.634	-0.011	-0.003	0.046	109.665
4184_4185	4184	4185	-49.021	-1.137	0.011	0.003	0.088	25.934
4185_4185	4185	4185	49.021	1.137	-0.011	-0.003	-0.088	-25.934
4185_4186	4185	4186	-48.933	18.361	0.011	0.003	0.221	-82.21
4186_4186	4186	4186	48.929	15.073	0.012	-0.018	-0.221	82.209
4186_4187	4186	4187	-31.475	5.594	-0.012	0.018	0.061	-39.325
4187_4187	4187	4187	76.499	-3.236	0.001	0.013	-0.017	-34.302
4187_4188	4187	4188	-122.147	22.354	-0.001	-0.013	0.01	-60.956
4188_4188	4188	4188	122.147	19.07	0	-0.021	-0.01	60.956
4188_4189	4188	4189	-119.099	-5.647	0	0.021	0.01	37.631
4189_4189	4189	4189	120.398	5.638	0	0.008	-0.011	-36.33
4189_4190	4189	4190	-115.281	16.717	0	-0.008	0.015	-45.322
4190_4190	4190	4190	115.282	19.276	-0.002	0.034	-0.015	45.321
4190_4191	4190	4191	-109.658	-1.379	0.002	-0.034	0.036	61.444
4191_4191	4191	4191	109.658	1.379	-0.001	-0.039	-0.036	-61.444
4191_4192	4191	4192	-104.034	16.518	0.001	0.039	0.05	-28.676
4192_4192	4192	4192	104.028	17.315	0.003	-0.001	-0.05	28.677
4192_4193	4192	4193	-99.943	-0.964	-0.003	0.001	0.016	58.286
4193_4193	4193	4193	99.943	0.964	0.003	-0.001	-0.016	-58.286
4193_4194	4193	4194	-95.859	15.388	-0.003	0.001	-0.019	-19.1
4194_4194	4194	4194	95.879	16.038	0.003	-0.032	0.019	18.914
4194_4195	4194	4195	-91.874	0.297	-0.003	0.032	-0.049	55.264
4195_4195	4195	4195	91.873	-0.297	0.002	0.033	0.049	-55.264
4195_4196	4195	4196	-87.864	16.648	-0.002	-0.033	-0.072	-34.749
4196_4196	4196	4196	87.854	17.544	-0.003	-0.025	0.072	34.932
4196_4197	4196	4197	-82.057	0.353	0.003	0.025	-0.037	52.599
4197_4197	4197	4197	82.057	-0.353	-0.004	0.029	0.037	-52.6
4197_4198	4197	4198	-76.259	18.251	0.004	-0.029	0.004	-56.755
4198_4198	4198	4198	76.254	16.518	0.003	0.006	-0.004	56.755
4198_4199	4198	4199	-77.195	5.854	-0.003	-0.006	-0.037	17.893
4199_4199	4199	4199	77.3	-5.854	0.003	-0.005	0.039	-18.031
4199_4200	4199	4200	-77.866	19.276	-0.003	0.005	-0.067	-84.844
4200_4200	4200	4200	77.872	20.204	-0.004	0.005	0.067	84.704
4200_4201	4200	4201	-54.101	-1.103	0.004	-0.005	-0.024	11.207
4201_4201	4201	4201	55.11	2.052	-0.008	-0.001	0.165	-12.924
4201_4202	4201	4202	-59.198	20.349	0.008	0.001	-0.062	-103.839
4202_4202	4202	4202	59.197	20.678	0.013	0.001	0.062	103.842
4202_4203	4202	4203	-59.126	0.455	-0.013	-0.001	-0.221	23.069
4203_4203	4203	4203	59.126	-0.455	0.013	0.001	0.221	-23.069
4203_4204	4203	4204	-59.055	21.588	-0.013	-0.001	-0.381	-114.204
4204_4204	4204	4204	59.064	22.098	-0.005	0.004	0.381	114.206
4204_4205	4204	4205	-59.804	-6.037	0.005	-0.004	-0.329	20.011
4205_4205	4205	4205	59.972	6.037	-0.005	-0.01	0.335	-20.191
4205_4206	4205	4206	-60.574	7.065	0.005	0.01	-0.297	16.668
4206_4206	4206	4206	60.574	-7.065	-0.006	0.009	0.297	-16.668
4206_4207	4206	4207	-61.176	20.167	0.006	-0.009	-0.253	-88.409
4207_4207	4207	4207	61.174	20.952	-0.041	-0.016	0.253	88.408
4207_4208	4207	4208	-60.169	-7.427	0.041	0.016	0.079	23.941
4208_4208	4208	4208	60.169	7.427	-0.042	0.01	-0.079	-23.941
4208_4209	4208	4209	-59.164	6.098	0.042	-0.01	0.417	28.081
4209_4209	4209	4209	59.164	-6.098	-0.042	0.01	-0.417	-28.081
4209_4210	4209	4210	-58.159	19.623	0.042	-0.01	0.754	-75.988

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4210_4210	4210	4210	58.158	20.349	-0.009	0.002	-0.754	75.859
4210_4211	4210	4211	-57.74	-10.205	0.009	-0.002	0.81	15.28
4211_4211	4211	4211	57.74	10.205	-0.009	0.002	-0.81	-15.28
4211_4212	4211	4212	-57.323	-0.078	0.009	-0.002	0.866	45.55
4212_4212	4212	4212	57.323	0.078	-0.009	0.001	-0.866	-45.55
4212_4213	4212	4213	-56.905	10.065	0.009	-0.001	0.922	15.055
4213_4213	4213	4213	56.905	-10.065	-0.009	0.001	-0.922	-15.055
4213_4214	4213	4214	-56.487	20.209	0.009	-0.001	0.977	-76.308
4214_4214	4214	4214	56.493	19.987	0.037	0.001	-0.977	76.441
4214_4215	4214	4215	-55.712	-6.462	-0.037	-0.001	0.683	28.299
4215_4215	4215	4215	55.712	6.462	0.037	0.001	-0.683	-28.299
4215_4216	4215	4216	-54.931	7.063	-0.037	-0.001	0.389	24.831
4216_4216	4216	4216	54.931	-7.063	0.037	0.001	-0.389	-24.831
4216_4217	4216	4217	-54.15	20.588	-0.037	-0.001	0.095	-86.843
4217_4217	4217	4217	54.156	19.821	-0.003	0.008	-0.095	86.95
4217_4218	4217	4218	-54.119	-6.719	0.003	-0.008	0.12	16.096
4218_4218	4218	4218	54.118	6.719	-0.002	-0.006	-0.12	-16.096
4218_4219	4218	4219	-54.081	6.383	0.002	0.006	0.139	17.592
4219_4219	4219	4219	54.126	-6.383	-0.003	0.007	-0.14	-17.635
4219_4220	4219	4220	-54.082	22.444	0.003	-0.007	0.168	-119.065
4220_4220	4220	4220	54.12	22.445	0.087	0.002	-0.168	119.045
4220_4221	4220	4221	-53.71	-1.314	-0.087	-0.002	-0.92	28.341
4221_4221	4221	4221	53.71	1.314	0.087	0.002	0.92	-28.341
4221_4222	4221	4222	-53.301	19.817	-0.087	-0.002	-2.008	-88.416
4222_4222	4222	4222	53.291	16.643	-0.555	0.01	2.008	88.283
4222_4223	4222	4223	-37.31	5.756	0.555	-0.01	5.352	-34.832
4223_4223	4223	4223	77.1	-3.412	-0.003	-0.005	-0.147	-29.112
4223_4224	4223	4224	-123.061	24.115	0.003	0.005	0.177	-78.73
4224_4224	4224	4224	123.068	21.902	0.02	0.013	-0.177	78.585
4224_4225	4224	4225	-119.622	-7.381	-0.02	-0.013	0.009	38.46
4225_4225	4225	4225	119.842	7.379	0.02	-0.004	-0.005	-38.831
4225_4226	4225	4226	-113.281	20.271	-0.02	0.004	-0.307	-69.208
4226_4226	4226	4226	113.287	22.18	-0.003	0.231	0.307	69.149
4226_4227	4226	4227	-107.956	-1.086	0.003	-0.231	-0.272	63.954
4227_4227	4227	4227	107.953	1.086	0	-0.225	0.272	-63.955
4227_4228	4227	4228	-102.622	20.011	0	0.225	-0.268	-55.514
4228_4228	4228	4228	102.579	21.471	0.018	0.001	0.268	55.626
4228_4229	4228	4229	-97.882	-0.37	-0.018	-0.001	-0.483	69.846
4229_4229	4229	4229	97.882	0.37	0.018	0.001	0.483	-69.846
4229_4230	4229	4230	-93.185	20.732	-0.018	-0.001	-0.698	-57.392
4230_4230	4230	4230	93.23	21.328	-0.016	0.3	0.698	57.401
4230_4231	4230	4231	-88.904	0.214	0.016	-0.3	-0.502	66.491
4231_4231	4231	4231	88.896	-0.214	-0.012	-0.298	0.502	-66.488
4231_4232	4231	4232	-84.573	21.745	0.012	0.298	-0.351	-72.858
4232_4232	4232	4232	84.521	21.456	0.012	-0.031	0.351	73.061
4232_4233	4232	4233	-81.522	-0.343	-0.012	0.031	-0.5	54.068
4233_4233	4233	4233	81.793	0.342	0.012	0.023	0.511	-54.399
4233_4234	4233	4234	-78.783	20.822	-0.012	-0.023	-0.656	-72.08
4234_4234	4234	4234	78.796	19.355	-0.053	0.06	0.656	72.114
4234_4235	4234	4235	-62.971	-0.341	0.053	-0.06	-0.081	14.406
4235_4235	4235	4235	61.572	1.138	-0.284	-0.079	2.26	-12.166
4235_4236	4235	4236	-66.865	17.451	0.284	0.079	0.562	-62.751
4236_4236	4236	4236	66.741	17.386	0.202	-0.004	-0.562	62.846

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4236_4237	4236	4237	-66.772	1.447	-0.202	0.004	-1.473	16.538
4237_4237	4237	4237	66.773	-1.447	0.203	-0.01	1.473	-16.538
4237_4238	4237	4238	-66.806	21.425	-0.203	0.01	-3.635	-106.282
4238_4238	4238	4238	67.12	23.807	-0.176	0.129	3.635	106.329
4238_4239	4238	4239	-67.718	-0.191	0.176	-0.129	-1.41	46.831
4239_4239	4239	4239	67.887	0.191	-0.173	-0.146	1.403	-47.022
4239_4240	4239	4240	-68.464	22.065	0.173	0.146	0.648	-81.229
4240_4240	4240	4240	68.273	20.467	-0.053	0	-0.648	81.199
4240_4241	4240	4241	-67.014	-2.366	0.053	0	1.163	27.302
4241_4241	4241	4241	67.014	2.366	-0.053	0.001	-1.163	-27.302
4241_4242	4241	4242	-65.717	16.26	0.053	-0.001	1.693	-43.703
4242_4242	4242	4242	65.757	18.023	-0.065	-0.007	-1.693	43.793
4242_4243	4242	4243	-65.083	0.791	0.065	0.007	2.341	42.027
4243_4243	4243	4243	65.083	-0.791	-0.065	0.017	-2.341	-42.027
4243_4244	4243	4244	-64.439	18.741	0.065	-0.017	2.963	-52.297
4244_4244	4244	4244	64.418	18.701	0.047	0.129	-2.963	52.17
4244_4245	4244	4245	-63.953	-1.416	-0.047	-0.129	2.529	40.084
4245_4245	4245	4245	63.952	1.416	0.05	-0.103	-2.529	-40.085
4245_4246	4245	4246	-63.428	18.039	-0.05	0.103	2.01	-46.94
4246_4246	4246	4246	63.461	16.797	-0.102	0.007	-2.01	46.905
4246_4247	4246	4247	-62.748	2.227	0.102	-0.007	3.047	25.984
4247_4247	4247	4247	62.748	-2.227	-0.102	0.003	-3.047	-25.984
4247_4248	4247	4248	-62.085	19.935	0.102	-0.003	4.013	-79.843
4248_4248	4248	4248	62.179	21.59	0.348	0.257	-4.013	80.536
4248_4249	4248	4249	-62.943	3.449	-0.348	-0.257	-0.644	41.477
4249_4249	4249	4249	63.04	-3.449	0.353	-0.301	0.642	-41.567
4249_4250	4249	4250	-63.676	24.288	-0.353	0.301	-4.57	-112.159
4250_4250	4250	4250	63.773	22.569	-0.176	-0.004	4.57	112.368
4250_4251	4250	4251	-63.334	1.753	0.176	0.004	-2.288	22.298
4251_4251	4251	4251	63.334	-1.753	-0.176	0.005	2.288	-22.298
4251_4252	4251	4252	-63.042	17.922	0.176	-0.005	-0.771	-62.992
4252_4252	4252	4252	63.045	17.325	-0.037	-0.029	0.771	62.962
4252_4253	4252	4253	-51.413	4.55	0.037	0.029	-0.342	-2.302
4253_4253	4253	4253	51.409	-4.55	-0.036	0.039	0.342	2.301
4253_4254	4253	4254	-41.513	23.161	0.036	-0.039	0.011	-151.885
4254_4254	4254	4254	99.141	20.433	-0.011	-0.017	0.374	58.036
4254_4255	4254	4255	-122.284	4.48	0.011	0.017	-0.235	71.488
4255_4255	4255	4255	122.381	-4.477	-0.011	0.032	0.235	-71.65
4255_4256	4255	4256	-144.227	27.976	0.011	-0.032	-0.102	-93.952
4256_4256	4256	4256	144.249	24.002	0.016	0.297	0.102	94.189
4256_4257	4256	4257	-144.008	-1.578	-0.016	-0.297	-0.288	50.718
4257_4257	4257	4257	144.01	1.578	0.016	-0.27	0.288	-50.714
4257_4258	4257	4258	-143.761	21.565	-0.016	0.27	-0.478	-66.541
4258_4258	4258	4258	143.761	21.896	0.006	0.039	0.478	66.563
4258_4259	4258	4259	-148.991	1.102	-0.006	-0.039	-0.547	60.902
4259_4259	4259	4259	148.992	-1.102	0.006	-0.026	0.547	-60.901
4259_4260	4259	4260	-154.123	23.663	-0.006	0.026	-0.613	-74.114
4260_4260	4260	4260	154.129	21.556	0	0.456	0.613	74.061
4260_4261	4260	4261	-158.469	1.305	0	-0.456	-0.612	48.333
4261_4261	4261	4261	158.473	-1.305	0	-0.458	0.612	-48.326
4261_4262	4261	4262	-162.778	23.982	0	0.458	-0.608	-91.536
4262_4262	4262	4262	162.824	22.025	0.025	-0.015	0.608	91.667
4262_4263	4262	4263	-167.839	3.067	-0.025	0.015	-0.921	34.524

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4263_4263	4263	4263	167.839	-3.067	0.025	-0.012	0.921	-34.524
4263_4264	4263	4264	-172.378	25.784	-0.025	0.012	-1.204	-126.007
4264_4264	4264	4264	172.544	25.872	-0.052	0.094	1.213	125.715
4264_4265	4264	4265	-155.122	-0.547	0.052	-0.094	-0.552	22.992
4265_4265	4265	4265	155.113	0.547	-0.052	-0.145	0.552	-22.986
4265_4266	4265	4266	-138.999	22.876	0.052	0.145	0.061	-128.362
4266_4266	4266	4266	139.178	25.232	0.09	-0.019	-0.061	128.281
4266_4267	4266	4267	-122.127	-4.668	-0.09	0.019	-0.872	5.567
4267_4267	4267	4267	122.128	4.668	0.09	-0.021	0.872	-5.567
4267_4268	4267	4268	-107.2	13.335	-0.09	0.021	-1.689	-52.919
4268_4268	4268	4268	63.139	21.365	-0.192	-0.018	2.525	124.8
4268_4269	4268	4269	-79.571	5.392	0.192	0.018	0.039	0.249
4269_4269	4269	4269	79.573	-5.392	-0.193	-0.019	-0.039	-0.257
4269_4270	4269	4270	-92.645	26.678	0.193	0.019	2.081	-154.94
4270_4270	4270	4270	92.571	34.802	0.086	-0.015	-2.082	154.558
4270_4271	4270	4271	-51.034	-7.158	-0.086	0.015	0.896	89.747
4271_4271	4271	4271	51.034	7.158	0.086	-0.002	-0.896	-89.747
4271_4272	4271	4272	-19.629	13.743	-0.086	0.002	0	21.784
4372_4372	4372	4372	17.802	10.254	-0.255	0.012	0	-23.726
4372_4373	4372	4373	-51.108	8.238	0.255	-0.012	3.156	72.823
4373_4373	4373	4373	51.107	-8.238	-0.255	-0.02	-3.156	-72.823
4373_4374	4373	4374	-82.993	25.942	0.255	0.02	6.177	-94.608
4374_4374	4374	4374	83.004	19.298	0.45	0.008	-6.177	94.338
4374_4375	4374	4375	-73.049	-1.899	-0.45	-0.008	0.934	18.032
4375_4375	4375	4375	73.049	1.899	0.45	-0.002	-0.934	-18.032
4375_4376	4375	4376	-64.25	13.481	-0.45	0.002	-3.701	-51.337
4376_4376	4376	4376	64.264	15.769	-0.201	0.165	3.701	51.559
4376_4377	4376	4377	-65.672	1.175	0.201	-0.165	-1.423	32.401
4377_4377	4377	4377	65.664	-1.175	-0.201	-0.175	1.423	-32.403
4377_4378	4377	4378	-67.044	17.778	0.201	0.175	0.807	-71.72
4378_4378	4378	4378	66.933	17.481	0.107	-0.008	-0.807	71.678
4378_4379	4378	4379	-66.875	0.151	-0.107	0.008	-0.459	30.541
4379_4379	4379	4379	67.026	-0.151	0.107	0.001	0.455	-30.733
4379_4380	4379	4380	-66.966	18.422	-0.107	-0.001	-1.767	-82.846
4380_4380	4380	4380	66.954	16.048	-0.169	-0.012	1.767	82.933
4380_4381	4380	4381	-67.779	0.227	0.169	0.012	0.078	3.9
4381_4381	4381	4381	67.774	-0.227	-0.168	-0.013	-0.078	-3.9
4381_4382	4381	4382	-68.513	14.817	0.168	0.013	1.721	-68.953
4382_4382	4382	4382	68.52	18.103	0.075	-0.002	-1.721	68.756
4382_4383	4382	4383	-59.611	-0.675	-0.075	0.002	0.843	30.294
4383_4383	4383	4383	59.611	0.675	0.075	-0.013	-0.843	-30.294
4383_4384	4383	4384	-50.685	16.786	-0.075	0.013	-0.038	-74.337
4384_4384	4384	4384	71.744	17.664	-0.021	0.016	0.356	40.124
4384_4385	4384	4385	-61.08	0.864	0.021	-0.016	-0.087	51.843
4385_4385	4385	4385	61.175	-0.865	-0.021	-0.008	0.089	-51.953
4385_4386	4385	4386	-52.452	15.998	0.021	0.008	0.128	-44.849
4386_4386	4386	4386	52.445	18.167	0.004	0.28	-0.128	45.16
4386_4387	4386	4387	-55.6	-0.459	-0.004	-0.28	0.078	70.372
4387_4387	4387	4387	55.593	0.459	0.005	-0.248	-0.078	-70.375
4387_4388	4387	4388	-58.828	17.695	-0.005	0.248	0.013	-30.875
4388_4388	4388	4388	58.818	18.263	0.002	0.013	-0.013	31.369
4388_4389	4388	4389	-58.94	0.607	-0.002	-0.013	-0.016	81.422
4389_4389	4389	4389	58.94	-0.607	0.002	0.028	0.016	-81.422

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4389_4390	4389	4390	-59.049	17.604	-0.002	-0.028	-0.042	-22.692
4390_4390	4390	4390	59.053	17.986	0.014	0.321	0.042	22.619
4390_4391	4390	4391	-60.033	1.522	-0.014	-0.321	-0.232	87.108
4391_4391	4391	4391	60.03	-1.522	0.015	-0.33	0.232	-87.11
4391_4392	4391	4392	-60.852	17.878	-0.015	0.33	-0.402	-18.822
4392_4392	4392	4392	60.854	17.501	-0.04	0.041	0.402	18.858
4392_4393	4392	4393	-62.182	0.871	0.04	-0.041	0.089	85.856
4393_4393	4393	4393	62.182	-0.871	-0.04	0.011	-0.089	-85.856
4393_4394	4393	4394	-63.446	18.358	0.04	-0.011	0.555	-26.07
4394_4394	4394	4394	63.462	18.306	0.153	0.425	-0.555	25.858
4394_4395	4394	4395	-63.232	-0.725	-0.153	-0.425	-1.257	86.86
4395_4395	4395	4395	63.238	0.725	0.154	-0.359	1.257	-86.863
4395_4396	4395	4396	-62.999	17.544	-0.154	0.359	-3.153	-17.009
4396_4396	4396	4396	62.979	13.423	-0.526	0.01	3.153	17.37
4396_4397	4396	4397	-72.804	4.494	0.526	-0.01	3.21	47.368
4397_4397	4397	4397	72.805	-4.494	-0.526	0.029	-3.21	-47.368
4397_4398	4397	4398	-82.646	22.44	0.526	-0.029	9.585	-104.951
4398_4398	4398	4398	82.689	29.006	0.318	0.248	-9.585	104.7
4398_4399	4398	4399	-55.621	-10.242	-0.318	-0.248	5.559	113.512
4399_4399	4399	4399	55.624	10.242	0.318	-0.1	-5.559	-113.512
4399_4400	4399	4400	-28.642	8.462	-0.318	0.1	1.542	94.561
4400_4400	4400	4400	28.643	-8.462	0.318	-0.166	-1.542	-94.56
4400_4401	4400	4401	-18.286	15.641	-0.318	0.166	0	24.586
4572_4572	4572	4572	17.839	10.337	-0.14	0.01	0	-23.897
4572_4573	4572	4573	-51.095	8.163	0.14	-0.01	1.732	73.928
4573_4573	4573	4573	51.095	-8.163	-0.14	-0.013	-1.732	-73.928
4573_4574	4573	4574	-82.686	25.737	0.14	0.013	3.377	-90.698
4574_4574	4574	4574	82.697	18.814	0.079	0.005	-3.377	90.815
4574_4575	4574	4575	-73.024	-1.697	-0.079	-0.005	2.475	15.941
4575_4575	4575	4575	73.024	1.697	0.079	-0.001	-2.475	-15.941
4575_4576	4575	4576	-64.424	13.521	-0.079	0.001	1.673	-53.815
4576_4576	4576	4576	64.42	16	0.208	0.183	-1.673	53.898
4576_4577	4576	4577	-65.569	0.994	-0.208	-0.183	-0.692	32.449
4577_4577	4577	4577	65.567	-0.994	0.208	-0.181	0.692	-32.451
4577_4578	4577	4578	-66.708	17.878	-0.208	0.181	-3.046	-73.177
4578_4578	4578	4578	66.828	17.323	-0.112	-0.017	3.046	73.188
4578_4579	4578	4579	-67.325	0.013	0.112	0.017	-1.748	27.738
4579_4579	4579	4579	67.476	-0.013	-0.112	-0.001	1.745	-27.931
4579_4580	4579	4580	-68.006	18.459	0.112	0.001	-0.366	-85.55
4580_4580	4580	4580	67.993	16.43	-0.071	-0.011	0.366	85.574
4580_4581	4580	4581	-67.308	-0.208	0.071	0.011	0.406	3.88
4581_4581	4581	4581	67.304	0.208	-0.071	-0.01	-0.406	-3.881
4581_4582	4581	4582	-66.689	14.338	0.071	0.01	1.101	-65.681
4582_4582	4582	4582	66.694	18.033	0.032	0.009	-1.101	65.808
4582_4583	4582	4583	-59.194	-0.918	-0.032	-0.009	0.734	33.803
4583_4583	4583	4583	59.193	0.918	0.032	-0.012	-0.734	-33.804
4583_4584	4583	4584	-51.477	16.691	-0.032	0.012	0.356	-68.327
4584_4584	4584	4584	71.247	17.535	0.003	0.012	-0.11	36.404
4584_4585	4584	4585	-61.002	0.849	-0.003	-0.012	0.073	54.494
4585_4585	4585	4585	61.097	-0.85	0.003	0.006	-0.07	-54.604
4585_4586	4585	4586	-52.624	16.033	-0.003	-0.006	0.038	-42.319
4586_4586	4586	4586	52.618	18.1	0.004	0.239	-0.038	41.971
4586_4587	4586	4587	-55.547	-0.608	-0.004	-0.239	-0.007	72.315

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4587_4587	4587	4587	55.543	0.608	0.003	-0.197	0.007	-72.317
4587_4588	4587	4588	-58.601	17.657	-0.003	0.197	-0.048	-28.725
4588_4588	4588	4588	58.6	18.114	0	-0.024	0.048	28.345
4588_4589	4588	4589	-59.116	0.582	0	0.024	-0.045	83.074
4589_4589	4589	4589	59.116	-0.582	0	0.071	0.045	-83.074
4589_4590	4589	4590	-59.587	17.629	0	-0.071	-0.043	-20.946
4590_4590	4590	4590	59.585	17.892	0.005	0.31	0.043	21.098
4590_4591	4590	4591	-60.659	1.504	-0.005	-0.31	-0.107	87.582
4591_4591	4591	4591	60.656	-1.504	0.005	-0.313	0.107	-87.584
4591_4592	4591	4592	-61.561	17.867	-0.005	0.313	-0.157	-18.171
4592_4592	4592	4592	61.565	17.467	0.016	-0.006	0.157	18.213
4592_4593	4592	4593	-63.097	0.653	-0.016	0.006	-0.347	86.469
4593_4593	4593	4593	63.097	-0.653	0.016	0.057	0.347	-86.469
4593_4594	4593	4594	-64.588	18.281	-0.016	-0.057	-0.533	-24.328
4594_4594	4594	4594	64.598	17.902	-0.057	0.344	0.533	23.856
4594_4595	4594	4595	-64.193	-0.31	0.057	-0.344	0.138	83.876
4595_4595	4595	4595	64.195	0.31	-0.057	-0.291	-0.138	-83.878
4595_4596	4595	4596	-63.777	17.841	0.057	0.291	0.836	-23.88
4596_4596	4596	4596	63.777	14.526	0.246	-0.005	-0.836	23.772
4596_4597	4596	4597	-73.442	3.37	-0.246	0.005	-2.138	54.184
4597_4597	4597	4597	73.442	-3.37	0.246	0.045	2.138	-54.184
4597_4598	4597	4598	-83.078	21.215	-0.246	-0.045	-5.105	-83.297
4598_4598	4598	4598	83.066	26.563	-0.191	0.166	5.105	83.445
4598_4599	4598	4599	-52.606	-7.838	0.191	-0.166	-2.697	99.959
4599_4599	4599	4599	52.606	7.838	-0.191	-0.102	2.697	-99.96
4599_4600	4599	4600	-22.296	10.794	0.191	0.102	-0.299	47.59
4600_4600	4600	4600	22.296	-10.794	-0.191	-0.142	0.299	-47.589
4600_4601	4600	4601	-18.518	13.117	0.191	0.142	0	24.64
5000_5000	5000	5000	67.749	457.575	0.715	4.767	0	-315.56
5000_5001	5000	5001	-62.932	-420.475	-0.715	-4.767	-9.102	5879.472
5001_5001	5001	5001	62.936	420.475	0.706	-2.612	9.102	-5879.48
5001_5002	5001	5002	-59.193	-391.647	-0.706	2.612	-16.086	9876.88
5002_5002	5002	5002	59.166	340.687	-0.613	11.139	16.086	-9876.99
5002_5003	5002	5003	-56.528	-305.273	0.613	-11.139	-8.647	13788.09
5003_5003	5003	5003	56.524	305.273	-0.623	-9.243	8.647	-13788.1
5003_5004	5003	5004	-53.89	-269.896	0.623	9.243	-1.091	17265.73
5004_5004	5004	5004	53.905	224.701	0.707	9.274	1.091	-17266
5004_5005	5004	5005	-50.937	-189.302	-0.707	-9.274	-9.677	19765.94
5005_5005	5005	5005	50.938	189.302	0.701	-8.504	9.677	-19765.9
5005_5006	5005	5006	-47.968	-153.878	-0.701	8.504	-18.193	21837.46
5006_5006	5006	5006	47.965	105.17	-0.172	18.338	18.193	-21837.7
5006_5007	5006	5007	-45.455	-69.778	0.172	-18.338	-16.103	22888.57
5007_5007	5007	5007	45.454	69.778	-0.183	-18.243	16.103	-22888.6
5007_5008	5007	5008	-42.945	-34.394	0.183	18.243	-13.881	23509.8
5008_5008	5008	5008	42.949	-12.618	0.697	18.15	13.881	-23510.1
5008_5009	5008	5009	-40.782	48.027	-0.697	-18.15	-22.349	23132.64
5009_5009	5009	5009	40.783	-48.027	0.686	-18.764	22.349	-23132.6
5009_5010	5009	5010	-38.617	83.43	-0.686	18.764	-30.682	22325.42
5010_5010	5010	5010	38.617	-130.617	-0.089	-0.623	30.682	-22325.8
5010_5011	5010	5011	-36.89	166.013	0.089	0.623	-29.6	20518.32
5011_5011	5011	5011	36.89	-166.013	-0.089	-0.623	29.6	-20518.3
5011_5012	5011	5012	-35.163	201.408	0.089	0.623	-28.517	18281.19
5012_5012	5012	5012	35.163	-247.787	0.115	4.337	28.517	-18281.5

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5012_5013	5012	5013	-34.393	283.201	-0.115	-4.337	-29.908	15054.42
5013_5013	5013	5013	34.393	-283.201	0.11	-6.086	29.908	-15054.4
5013_5014	5013	5014	-33.624	318.583	-0.11	6.086	-31.239	11400.79
5014_5014	5014	5014	33.63	-364.514	0.793	1.445	31.239	-11400.9
5014_5015	5014	5015	-31.715	411.604	-0.793	-1.445	-44.043	5126.377
5015_5015	5015	5015	30.612	-410.478	0.73	-2.646	43.289	-5078.35
5015_5016	5015	5016	-31.088	432.962	-0.73	2.649	-49.312	1592.765
5016_5016	5016	5016	64.294	-478.285	-0.348	-1.747	56.243	-1704.94
5016_5017	5016	5017	-67.183	510.368	0.348	1.742	-52.155	-4097.54
5017_5017	5017	5017	82.004	-508.064	-0.355	0.662	52.321	4094.684
5017_5018	5017	5018	-86.838	546.96	0.355	-0.67	-47.608	-11093.4
5018_5018	5018	5018	106.153	-588.137	0.007	-8.871	46.875	11093.74
5018_5019	5018	5019	-112.123	626.593	-0.007	8.876	-46.965	-18692.5
5019_5019	5019	5019	129.283	-623.214	0	8.132	48.845	18693.32
5019_5020	5019	5020	-136.283	664.202	0	-8.127	-48.843	-26779.3
5020_5020	5020	5020	-2484.52	207.398	-15.19	-1.861	375.681	5682.869
5020_5021	5020	5021	2481.513	-180.836	15.19	1.861	-231.434	-3827.58
5021_5021	5021	5021	-2483.35	180.849	-14.772	-1.205	231.211	3836.588
5021_5022	5021	5022	2480.803	-161.263	14.772	1.205	-116.648	-2499.81
5022_5022	5022	5022	-2480.82	161.263	-11.905	1.814	116.648	2499.808
5022_5023	5022	5023	2478.274	-141.706	11.905	-1.814	-24.45	-1316.5
5023_5023	5023	5023	-2478.3	98.184	-6.182	0.149	24.45	1316.497
5023_5024	5023	5024	2476.214	-77.971	6.182	-0.149	25.033	-603.239
5024_5024	5024	5024	-2476.2	77.971	-9.629	-0.836	-25.033	603.238
5024_5025	5024	5025	2474.123	-57.781	9.629	0.836	102.017	-52.291
5025_5025	5025	5025	-2474.14	57.781	-3.068	-0.434	-102.017	52.293
5025_5026	5025	5026	2472.058	-37.57	3.068	0.434	126.568	337.527
5026_5026	5026	5026	-2472.06	-8.877	-2.449	-0.499	-126.568	-337.525
5026_5027	5026	5027	2470.987	24.034	2.449	0.499	141.265	242.997
5027_5027	5027	5027	-2470.99	-24.034	-2.881	-0.471	-141.265	-242.997
5027_5028	5027	5028	2469.913	39.166	2.881	0.471	158.526	57.876
5028_5028	5028	5028	-2469.91	-39.166	-2.449	-0.468	-158.526	-57.876
5028_5029	5028	5029	2468.839	54.323	2.449	0.468	173.223	-218.452
5029_5029	5029	5029	-2468.84	-54.323	1.706	0.011	-173.223	218.452
5029_5030	5029	5030	2467.766	69.478	-1.706	-0.011	162.987	-585.684
5030_5030	5030	5030	-2467.78	-115.643	1.127	-1.694	-162.987	585.66
5030_5031	5030	5031	2466.972	135.848	-1.127	1.694	153.971	-1588.65
5031_5031	5031	5031	-2466.97	-135.848	4.244	0.357	-153.971	1588.65
5031_5032	5031	5032	2466.165	156.051	-4.244	-0.357	120.021	-2753.15
5032_5032	5032	5032	-2466.17	-156.051	4.244	0.357	-120.021	2753.147
5032_5033	5032	5033	2465.361	176.253	-4.244	-0.357	86.07	-4079.27
5033_5033	5033	5033	-2465.31	-220.66	12.274	-2.721	-86.07	4079.38
5033_5034	5033	5034	2464.982	240.224	-12.274	2.721	-9.019	-5863.46
5034_5034	5034	5034	-2464.98	-240.224	12.274	-2.721	9.019	5863.462
5034_5035	5034	5035	2464.652	259.788	-12.274	2.721	-104.108	-7799.12
5035_5035	5035	5035	-2464.01	-259.791	14.797	5.161	104.012	7796.033
5035_5036	5035	5036	2463.614	286.293	-14.797	-5.161	-244.207	-10381.6
5036_5036	5036	5036	148.767	550.218	0.791	-30.675	-0.394	32834.13
5036_5037	5036	5037	-144.829	-509.121	-0.791	30.67	-9.581	-26164.1
5037_5037	5037	5037	130.831	512.602	0.711	27.664	3.514	26163.29
5037_5038	5037	5038	-128.745	-474.052	-0.711	-27.67	-12.442	-19974.8
5038_5038	5038	5038	112.999	437.846	-0.31	-5.356	15.208	19975.22
5038_5039	5038	5039	-112.766	-398.964	0.31	5.364	-11.087	-14421.3

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5039_5039	5039	5039	637.522	394.564	-0.463	4.678	12.177	11543.5
5039_5040	5039	5040	-646.967	-362.605	0.463	-4.677	-6.733	-7168.74
5040_5040	5040	5040	638.832	318.782	0.166	0.626	6.915	7170.034
5040_5041	5040	5041	-622.911	-296.766	-0.166	-0.629	-8.282	-4735.21
5041_5041	5041	5041	706.385	299.517	0.053	-0.279	8.323	4311.772
5041_5042	5041	5042	-638.973	-261.884	-0.053	0.279	-9.16	-206.528
5042_5042	5042	5042	638.977	214.265	0.002	0.01	9.16	206.548
5042_5043	5042	5043	-589.55	-185.721	-0.002	-0.01	-9.188	1952.99
5043_5043	5043	5043	589.55	185.721	0.002	0.01	9.188	-1952.99
5043_5044	5043	5044	-540.122	-157.177	-0.002	-0.01	-9.216	3772.106
5044_5044	5044	5044	540.134	112.3	-0.052	-0.259	9.216	-3772.16
5044_5045	5044	5045	-490.502	-83.738	0.052	0.259	-8.59	4715.306
5045_5045	5045	5045	490.502	83.738	-0.049	0.335	8.59	-4715.31
5045_5046	5045	5046	-440.913	-55.2	0.049	-0.335	-8.011	5317.247
5046_5046	5046	5046	440.918	9.926	0.159	6.168	8.011	-5317.32
5046_5047	5046	5047	-391.268	18.632	-0.159	-6.168	-9.911	5038.79
5047_5047	5047	5047	391.268	-18.632	0.072	-6.033	9.911	-5038.79
5047_5048	5047	5048	-341.667	47.161	-0.072	6.033	-10.767	4420.287
5048_5048	5048	5048	341.667	-92.066	-0.165	3.861	10.767	-4420.34
5048_5049	5048	5049	-292.194	120.618	0.165	-3.861	-8.797	2925.913
5049_5049	5049	5049	292.194	-120.618	-0.256	-3.672	8.797	-2925.91
5049_5050	5049	5050	-242.728	149.165	0.256	3.672	-5.739	1091.15
5050_5050	5050	5050	242.73	-193.359	0.404	-0.695	5.739	-1091.18
5050_5051	5050	5051	-177.001	230.956	-0.404	0.695	-12.091	-2541.37
5051_5051	5051	5051	176.056	-229.127	0.332	2.244	12.087	2559.827
5051_5052	5051	5052	-143.66	249.541	-0.332	-2.243	-14.829	-4685.32
5052_5052	5052	5052	150.723	-291.959	0.001	-6.114	14.61	4686.057
5052_5053	5052	5053	-110.942	321.407	-0.001	6.118	-14.619	-8495.03
5053_5053	5053	5053	103.558	-318.566	-0.08	10.599	22.037	8584.328
5053_5054	5053	5054	-81.7	356.264	0.08	-10.589	-20.98	-13219.3
5054_5054	5054	5054	95.566	-393.36	-0.203	-15.185	19.006	13221.42
5054_5055	5054	5055	-88.617	430.548	0.203	15.186	-16.454	-18508.2
5055_5055	5055	5055	100.7	-426.354	-0.289	16.617	19.832	18511.29
5055_5056	5055	5056	-103.992	465.707	0.289	-16.614	-16.188	-24208.9
5056_5056	5056	5056	-2031.12	264.773	-10.106	0.202	217.84	7511.723
5056_5057	5056	5057	2037.614	-239.04	10.106	-0.202	-121.9	-5151.25
5057_5057	5057	5057	-2039.26	239.04	-11.039	-1.884	122.787	5120.422
5057_5058	5057	5058	2044.609	-218.496	11.039	1.884	-37.238	-3373.05
5058_5058	5058	5058	-2044.62	218.496	-8.178	3.24	37.238	3373.041
5058_5059	5058	5059	2049.966	-197.954	8.178	-3.24	26.13	-1785.01
5059_5059	5059	5059	-2049.97	156.151	-8.343	-1.796	-26.13	1785.012
5059_5060	5059	5060	2055.905	-134.918	8.343	1.796	92.954	-647.286
5060_5060	5060	5060	-2055.92	134.918	-2.992	1.566	-92.954	647.283
5060_5061	5060	5061	2061.849	-113.714	2.992	-1.566	116.886	319.119
5061_5061	5061	5061	-2061.85	113.714	-2.992	1.566	-116.886	-319.119
5061_5062	5061	5062	2067.78	-92.511	2.992	-1.566	140.817	1115.932
5062_5062	5062	5062	-2067.78	48.748	-1.457	0.827	-140.817	-1115.89
5062_5063	5062	5063	2072.703	-32.833	1.457	-0.827	149.567	1337.932
5063_5063	5063	5063	-2072.7	32.833	-1.705	0.87	-149.567	-1337.93
5063_5064	5063	5064	2077.614	-16.944	1.705	-0.87	159.783	1464.301
5064_5064	5064	5064	-2077.61	16.944	2.238	0.07	-159.783	-1464.3
5064_5065	5064	5065	2082.531	-1.031	-2.238	-0.07	146.351	1495.422
5065_5065	5065	5065	-2082.53	1.031	2.238	0.07	-146.351	-1495.42

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5065_5066	5065	5066	2087.449	14.882	-2.238	-0.07	132.919	1431.019
5066_5066	5066	5066	-2087.45	-58.904	4.226	-0.067	-132.919	-1430.92
5066_5067	5066	5067	2094.517	80.103	-4.226	0.067	99.126	842.691
5067_5067	5067	5067	-2094.52	-80.103	4.226	-0.067	-99.126	-842.691
5067_5068	5067	5068	2101.582	101.301	-4.226	0.067	65.333	84.96
5068_5068	5068	5068	-2101.57	-101.301	7.174	1.532	-65.333	-84.962
5068_5069	5068	5069	2108.648	122.524	-7.174	-1.532	7.897	-843.459
5069_5069	5069	5069	-2108.63	-163.582	9.216	-4.431	-7.897	843.532
5069_5070	5069	5070	2116.012	184.114	-9.216	4.431	-63.481	-2223.64
5070_5070	5070	5070	-2116	-184.114	12.255	0.595	63.481	2223.638
5070_5071	5070	5071	2123.386	204.671	-12.255	-0.595	-158.51	-3764.72
5071_5071	5071	5071	-2120.17	-204.666	13.587	4.014	160.047	3789.515
5071_5072	5071	5072	2129.029	230.408	-13.587	-4.014	-289.086	-5896.06
5072_5072	5072	5072	63.652	501.71	0.117	-14.934	21.68	22242.3
5072_5073	5072	5073	-32.648	-462.738	-0.117	14.939	-23.151	-16232.6
5073_5073	5073	5073	19.744	467.006	0.028	15.749	19.864	16230.66
5073_5074	5073	5074	10.415	-430.283	-0.028	-15.745	-20.22	-10644.4
5074_5074	5074	5074	-24.937	396.182	0.478	0.26	21.594	10643.58
5074_5075	5074	5075	48.811	-358.9	-0.478	-0.241	-27.944	-5645.58
5075_5075	5075	5075	444.643	355.718	-0.181	0.566	16.561	2938.687
5075_5076	5075	5076	-450.952	-327.272	0.181	-0.569	-14.429	1042.577
5076_5076	5076	5076	443.496	286.969	-0.06	4.666	14.386	-1041.84
5076_5077	5076	5077	-436.006	-267.29	0.06	-4.666	-13.887	3279.478
5077_5077	5077	5077	403.13	269.989	-0.128	-3.748	15.642	-3250.35
5077_5078	5077	5078	-378.819	-233.93	0.128	3.748	-13.811	6726.505
5078_5078	5078	5078	378.82	193.45	-0.062	10.193	13.811	-6726.62
5078_5079	5078	5079	-360.228	-165.091	0.062	-10.193	-13.112	8648.006
5079_5079	5079	5079	360.228	165.091	-0.155	-9.665	13.112	-8648.01
5079_5080	5079	5080	-341.638	-136.736	0.155	9.665	-11.374	10251.22
5080_5080	5080	5080	341.643	97.07	0.073	11.926	11.374	-10251.3
5080_5081	5080	5081	-323.4	-68.714	-0.073	-11.926	-12.195	11093.22
5081_5081	5081	5081	323.4	68.714	-0.019	-11.467	12.195	-11093.2
5081_5082	5081	5082	-305.159	-40.361	0.019	11.467	-11.977	11617.11
5082_5082	5082	5082	305.167	-0.802	-0.111	0.372	11.977	-11617.3
5082_5083	5082	5083	-286.088	31.254	0.111	-0.372	-10.64	11332.43
5083_5083	5083	5083	286.088	-31.254	-0.113	-0.125	10.64	-11332.4
5083_5084	5083	5084	-266.993	61.731	0.113	0.125	-9.278	10680.11
5084_5084	5084	5084	266.995	-102.886	-0.103	9.283	9.278	-10680.3
5084_5085	5084	5085	-249.596	131.235	0.103	-9.283	-8.12	9283.902
5085_5085	5085	5085	249.595	-131.235	-0.196	-9.222	8.12	-9283.9
5085_5086	5085	5086	-232.197	159.581	0.196	9.222	-5.923	7569.863
5086_5086	5086	5086	232.195	-198.958	-0.038	5.254	5.923	-7569.92
5086_5087	5086	5087	-215.29	227.305	0.038	-5.254	-5.501	5098.851
5087_5087	5087	5087	215.289	-227.305	-0.132	-5.213	5.501	-5098.85
5087_5088	5087	5088	-198.37	255.674	0.132	5.213	-4.018	2307.609
5088_5088	5088	5088	198.378	-293.816	0.216	-1.102	4.018	-2307.63
5088_5089	5088	5089	-177.444	328.511	-0.216	1.102	-6.977	-2063.12
5089_5089	5089	5089	180.286	-326.636	0.149	1.223	6.939	2119.56
5089_5090	5089	5090	-167.783	347.441	-0.149	-1.223	-8.172	-4956.82
5090_5090	5090	5090	176.685	-386.606	-0.231	-11.104	7.798	4957.33
5090_5091	5090	5091	-161.506	416.575	0.231	11.101	-5.082	-9757.34
5091_5091	5091	5091	157.998	-412.555	-0.355	9.453	9.663	9840.626
5091_5092	5091	5092	-149.618	449.565	0.355	-9.455	-4.952	-15628

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5092_5092	5092	5092	165.95	-485.663	-0.341	-9.417	3.544	15629.68
5092_5093	5092	5093	-164.3	522.237	0.341	9.412	0.729	-22001.3
5093_5093	5093	5093	178.731	-516.958	-0.385	9.619	1.237	22004.05
5093_5094	5093	5094	-182.046	555.789	0.385	-9.624	3.608	-28793.7
5094_5094	5094	5094	-2277.98	235.409	-6.701	-3.355	84.486	8061.39
5094_5095	5094	5095	2280.278	-210.118	6.701	3.355	-20.861	-5957.48
5095_5095	5095	5095	-2281.84	210.12	-5.693	-0.765	20.245	5965.079
5095_5096	5095	5096	2283.621	-190.06	5.693	0.765	23.902	-4422.27
5096_5096	5096	5096	-2283.63	190.06	-2.679	5.298	-23.902	4422.27
5096_5097	5096	5097	2285.403	-170.026	2.679	-5.298	44.647	-3036.76
5097_5097	5097	5097	-2285.41	129.9	0.183	-0.827	-44.647	3036.721
5097_5098	5097	5098	2287.627	-109.193	-0.183	0.827	43.18	-2090.39
5098_5098	5098	5098	-2287.63	109.193	0.183	-0.827	-43.18	2090.39
5098_5099	5098	5099	2289.842	-88.487	-0.183	0.827	41.713	-1309.78
5099_5099	5099	5099	-2289.84	88.487	3.111	1.426	-41.713	1309.783
5099_5100	5099	5100	2292.053	-67.808	-3.111	-1.426	16.847	-695.585
5100_5100	5100	5100	-2292.05	25.298	3.631	2.022	-16.847	695.585
5100_5101	5100	5101	2294.12	-9.769	-3.631	-2.022	-4.949	-599.816
5101_5101	5101	5101	-2294.11	9.769	7.651	4.052	4.949	599.812
5101_5102	5101	5102	2296.177	5.759	-7.651	-4.052	-50.87	-597.252
5102_5102	5102	5102	-2296.18	-5.759	-8.425	-4.269	50.87	597.254
5102_5103	5102	5103	2298.243	21.29	8.425	4.269	-0.293	-687.923
5103_5103	5103	5103	-2298.25	-21.29	-4.534	-2.057	0.293	687.927
5103_5104	5103	5104	2300.316	36.795	4.534	2.057	26.879	-871.44
5104_5104	5104	5104	-2300.32	-79.576	-2.992	-1.973	-26.879	871.446
5104_5105	5104	5105	2303.598	100.283	2.992	1.973	50.827	-1605.95
5105_5105	5105	5105	-2303.6	-100.283	-0.069	0.897	-50.827	1605.95
5105_5106	5105	5106	2306.876	120.963	0.069	-0.897	51.375	-2504.93
5106_5106	5106	5106	-2306.88	-120.963	0.022	1.021	-51.375	2504.925
5106_5107	5106	5107	2310.156	141.669	-0.022	-1.021	51.199	-3570.65
5107_5107	5107	5107	-2310.15	-181.648	4.294	-3.22	-51.199	3570.7
5107_5108	5107	5108	2313.773	201.706	-4.294	3.22	17.909	-5072.86
5108_5108	5108	5108	-2313.77	-201.706	4.205	-3.439	-17.909	5072.863
5108_5109	5108	5109	2317.393	221.739	-4.205	3.439	-14.654	-6728.3
5109_5109	5109	5109	-2318	-221.748	6.747	4.681	14.239	6731.318
5109_5110	5109	5110	2322.623	247.062	-6.747	-4.681	-78.355	-8979.48
5110_5110	5110	5110	154.217	538.068	0.011	-20.238	8.791	29837.53
5110_5111	5110	5111	-137.925	-499.404	-0.011	20.239	-8.927	-23338.8
5111_5111	5111	5111	124.061	504.465	-0.073	19.525	4.784	23336.87
5111_5112	5111	5112	-108.241	-468.095	0.073	-19.525	-3.866	-17263.9
5112_5112	5112	5112	92.811	437.022	0.117	-3.203	5.795	17263.13
5112_5113	5112	5113	-79.75	-400.18	-0.117	3.203	-7.355	-11718.7
5113_5113	5113	5113	510.569	398.891	-0.15	4.091	13.82	9343.26
5113_5114	5113	5114	-515.709	-369.1	0.15	-4.096	-12.051	-4879.91
5114_5114	5114	5114	507.412	330.53	-0.017	0.676	12.157	4880.85
5114_5115	5114	5115	-495.683	-309.963	0.017	-0.679	-12.014	-2311.45
5115_5115	5115	5115	550.801	312.613	-0.05	-0.036	11.87	1867.432
5115_5116	5115	5116	-507.591	-279.079	0.05	0.036	-11.161	2142.72
5116_5116	5116	5116	507.591	238.197	-0.247	3.731	11.161	-2142.72
5116_5117	5116	5117	-475.308	-211.799	0.247	-3.731	-8.396	4513.359
5117_5117	5117	5117	475.308	211.799	-0.29	-3.521	8.396	-4513.36
5117_5118	5117	5118	-443.026	-185.402	0.29	3.521	-5.143	6587.994
5118_5118	5118	5118	443.026	146.516	0.007	4.898	5.143	-6588

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5118_5119	5118	5119	-411.351	-120.12	-0.007	-4.898	-5.222	7933.258
5119_5119	5119	5119	411.351	120.12	-0.036	-4.773	5.222	-7933.26
5119_5120	5119	5120	-379.677	-93.724	0.036	4.773	-4.814	8982.557
5120_5120	5120	5120	379.677	53.307	-0.154	14.275	4.814	-8982.55
5120_5121	5120	5121	-346.566	-24.933	0.154	-14.275	-2.957	9297.457
5121_5121	5121	5121	346.565	24.933	-0.275	-14.186	2.957	-9297.46
5121_5122	5121	5122	-313.482	3.416	0.275	14.186	0.351	9270.591
5122_5122	5122	5122	313.482	-43.101	-0.111	4.448	-0.351	-9270.6
5122_5123	5122	5123	-283.357	69.496	0.111	-4.448	1.592	8496.725
5123_5123	5123	5123	283.357	-69.496	-0.154	-4.441	-1.592	-8496.73
5123_5124	5123	5124	-253.233	95.89	0.154	4.441	3.32	7426.962
5124_5124	5124	5124	253.226	-133.986	0.001	5.701	-3.32	-7426.93
5124_5125	5124	5125	-223.621	160.381	-0.001	-5.701	3.311	5636.448
5125_5125	5125	5125	223.62	-160.381	-0.086	-5.758	-3.311	-5636.45
5125_5126	5125	5126	-194.015	186.774	0.086	5.758	4.275	3550.105
5126_5126	5126	5126	194.008	-222.454	-0.492	-0.089	-4.275	-3550.1
5126_5127	5126	5127	-157.468	254.639	0.492	0.089	11.004	115.633
5127_5127	5127	5127	161.236	-252.811	-0.553	-0.043	-11.048	-73.858
5127_5128	5127	5128	-138.719	271.748	0.553	0.043	15.614	-2193.85
5128_5128	5128	5128	145.887	-305.364	1.307	-4.938	-15.782	2194.535
5128_5129	5128	5129	-119.349	332.676	-1.307	4.94	0.415	-6086.23
5129_5129	5129	5129	120.277	-328.087	1.127	9.073	-2.552	6133.592
5129_5130	5129	5130	-109.831	363.858	-1.127	-9.065	-12.411	-10829.3
5130_5130	5130	5130	123.613	-397.72	-3.439	-7.527	11.207	10831.52
5130_5131	5130	5131	-124.8	433.073	3.439	7.515	31.953	-16114.8
5131_5131	5131	5131	136.871	-427.665	-3.482	7.666	-30.464	16118.08
5131_5132	5131	5132	-144.815	465.219	3.482	-7.679	74.286	-21787.8
5132_5132	5132	5132	-1926.91	227.154	23.116	9.682	-285.838	5869.491
5132_5133	5132	5133	1929.142	-202.684	-23.116	-9.682	66.238	-3839.05
5133_5133	5133	5133	-1937.42	202.684	25.857	15.451	-66.09	3879.595
5133_5134	5133	5134	1939.594	-184.434	-25.857	-15.451	-134.305	-2390.46
5134_5134	5134	5134	-1939.75	184.434	-1.402	-23.319	134.305	2390.413
5134_5135	5134	5135	1941.931	-166.158	1.402	23.319	-123.426	-1040.99
5135_5135	5135	5135	-1941.91	118.209	-3.435	-0.702	123.426	1041.341
5135_5136	5135	5136	1943.736	-99.368	3.435	0.702	-95.948	-180.565
5136_5136	5136	5136	-1943.74	99.368	-0.791	0.413	95.948	180.565
5136_5137	5136	5137	1945.564	-80.528	0.791	-0.413	-89.621	529.468
5137_5137	5137	5137	-1945.56	80.528	-3.464	0.125	89.621	-529.468
5137_5138	5137	5138	1947.383	-61.711	3.464	-0.125	-61.939	1088.173
5138_5138	5138	5138	-1947.39	16.486	-3.312	0.172	61.939	-1088.29
5138_5139	5138	5139	1949.162	-2.355	3.312	-0.172	-42.068	1136.087
5139_5139	5139	5139	-1949.16	2.355	0.213	-0.324	42.068	-1136.09
5139_5140	5139	5140	1950.932	11.775	-0.213	0.324	-43.347	1099.094
5140_5140	5140	5140	-1950.93	-11.775	-3.312	0.05	43.347	-1099.09
5140_5141	5140	5141	1952.698	25.906	3.312	-0.05	-23.475	977.311
5141_5141	5141	5141	-1952.7	-25.906	0.213	-0.061	23.475	-977.312
5141_5142	5141	5142	1954.468	40.036	-0.213	0.061	-24.754	770.745
5142_5142	5142	5142	-1954.47	-84.439	-2.212	-0.049	24.754	-770.859
5142_5143	5142	5143	1957.235	103.279	2.212	0.049	-7.058	6.735
5143_5143	5143	5143	-1957.24	-103.279	-2.212	-0.049	7.058	-6.735
5143_5144	5143	5144	1960	122.12	2.212	0.049	10.638	-908.122
5144_5144	5144	5144	-1960	-122.12	-2.212	-0.049	-10.638	908.122
5144_5145	5144	5145	1962.766	140.961	2.212	0.049	28.334	-1973.71

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5145_5145	5145	5145	-1962.76	-181.624	-0.845	2.196	-28.334	1973.623
5145_5146	5145	5146	1965.957	199.876	0.845	-2.196	34.883	-3466.91
5146_5146	5146	5146	-1965.96	-199.876	-0.845	2.196	-34.883	3466.91
5146_5147	5146	5147	1969.152	218.127	0.845	-2.196	41.432	-5101.66
5147_5147	5147	5147	-1955.84	-218.122	-3.499	-5.613	-41.362	5036.709
5147_5148	5147	5148	1959.36	242.594	3.499	5.613	74.607	-7241.64
5148_5148	5148	5148	127.746	449.581	0.018	-8.807	-8.918	23493.7
5148_5149	5148	5149	-106.953	-412.182	-0.018	8.803	8.698	-18089.9
5149_5149	5149	5149	95.393	417.574	-0.022	8.131	-10.453	18087.41
5149_5150	5149	5150	-76.211	-382.417	0.022	-8.135	10.728	-13078.5
5150_5150	5150	5150	63.411	355.978	0.111	-0.627	-9.933	13077.02
5150_5151	5150	5151	-49.377	-320.395	-0.111	0.626	8.462	-8580.58
5151_5151	5151	5151	577.505	317.62	0.032	0.273	-7.066	5693.266
5151_5152	5151	5152	-580.613	-289.471	-0.032	-0.274	6.688	-2192.07
5152_5152	5152	5152	574.03	252.909	0.106	-0.066	-6.674	2192.724
5152_5153	5152	5153	-558.664	-233.487	-0.106	0.067	5.802	-273.135
5153_5153	5153	5153	590.657	236.673	0.107	0.034	-5.851	104.472
5153_5154	5153	5154	-543.26	-205.321	-0.107	-0.034	4.38	2724.41
5154_5154	5154	5154	543.26	163.692	0.106	0.018	-4.38	-2724.41
5154_5155	5154	5155	-506.638	-138.592	-0.106	-0.018	3.214	4226.733
5155_5155	5155	5155	506.638	138.592	0.106	0.018	-3.214	-4226.73
5155_5156	5155	5156	-470.016	-113.492	-0.106	-0.018	2.049	5452.939
5156_5156	5156	5156	470.018	73.855	0.038	-0.017	-2.049	-5452.94
5156_5157	5156	5157	-436.691	-51.014	-0.038	0.017	1.673	5932.121
5157_5157	5157	5157	436.691	51.014	0.038	0.076	-1.673	-5932.12
5157_5158	5157	5158	-403.398	-28.196	-0.038	-0.076	1.292	6182.51
5158_5158	5158	5158	403.39	-9.771	0.092	-3.83	-1.292	-6182.49
5158_5159	5158	5159	-370.216	32.612	-0.092	3.83	0.367	5825.281
5159_5159	5159	5159	370.216	-32.612	0.146	3.88	-0.367	-5825.28
5159_5160	5159	5160	-337.042	55.453	-0.146	-3.88	-1.097	5239.422
5160_5160	5160	5160	337.042	-95.619	0.117	0.029	1.097	-5239.45
5160_5161	5160	5161	-300.583	120.719	-0.117	-0.029	-2.386	3890.247
5161_5161	5161	5161	300.583	-120.719	0.117	0.029	2.386	-3890.25
5161_5162	5161	5162	-264.125	145.819	-0.117	-0.029	-3.675	2264.932
5162_5162	5162	5162	264.137	-184.365	-0.101	-0.048	3.675	-2264.91
5162_5163	5162	5163	-217.378	215.718	0.101	0.048	-2.283	-687.981
5163_5163	5163	5163	221.092	-213.295	-0.144	0.177	2.253	682.647
5163_5164	5163	5164	-194.069	232.761	0.144	-0.179	-1.062	-2643.08
5164_5164	5164	5164	200.521	-268.704	0.181	2.936	1.156	2643.767
5164_5165	5164	5165	-166.511	296.8	-0.181	-2.931	-3.281	-6137.39
5165_5165	5165	5165	153.549	-291.305	0.34	-4.344	2.512	6254.414
5165_5166	5165	5166	-133.091	327.538	-0.34	4.348	-7.02	-10521.6
5166_5166	5166	5166	145.871	-359.358	0.193	-6.529	6.716	10524.03
5166_5167	5166	5167	-139.668	395.095	-0.193	6.525	-9.143	-15389.2
5167_5167	5167	5167	150.787	-388.633	0.149	7.011	10.579	15392.71
5167_5168	5167	5168	-155.009	426.519	-0.149	-7.015	-12.459	-20630.7
5168_5168	5168	5168	-1830.64	246.436	-1.354	-2.494	9.682	6145.596
5168_5169	5168	5169	1835.436	-221.63	1.354	2.494	3.186	-3943.68
5169_5169	5169	5169	-1842.77	221.622	1.195	3.066	-2.961	3979.479
5169_5170	5169	5170	1847.053	-202.891	-1.195	-3.066	-6.291	-2355.85
5170_5170	5170	5170	-1847.05	202.891	-1.437	-0.656	6.291	2355.851
5170_5171	5170	5171	1851.339	-184.135	1.437	0.656	4.846	-875.37
5171_5171	5171	5171	-1851.33	138.431	1.662	0.445	-4.846	875.236

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5171_5172	5171	5172	1855.984	-119.071	-1.662	-0.445	-8.45	134.035
5172_5172	5172	5172	-1855.98	119.071	-0.915	-0.221	8.45	-134.035
5172_5173	5172	5173	1860.641	-99.711	0.915	0.221	-1.132	988.428
5173_5173	5173	5173	-1860.64	99.711	-0.915	-0.221	1.132	-988.428
5173_5174	5173	5174	1865.297	-80.351	0.915	0.221	6.186	1687.929
5174_5174	5174	5174	-1865.3	32.549	1.966	-0.802	-6.186	-1688.06
5174_5175	5174	5175	1869.083	-18.029	-1.966	0.802	-5.609	1823.097
5175_5175	5175	5175	-1869.08	18.029	-1.47	0.871	5.609	-1823.1
5175_5176	5175	5176	1872.865	-3.509	1.47	-0.871	3.21	1871.014
5176_5176	5176	5176	-1872.87	3.509	1.966	-0.811	-3.21	-1871.01
5176_5177	5176	5177	1876.647	11.011	-1.966	0.811	-8.584	1831.805
5177_5177	5177	5177	-1876.65	-11.011	-1.47	0.736	8.584	-1831.81
5177_5178	5177	5178	1880.429	25.531	1.47	-0.736	0.235	1705.468
5178_5178	5178	5178	-1880.43	-73.426	-0.481	-0.375	-0.235	-1705.61
5178_5179	5178	5179	1885.791	92.787	0.481	0.375	4.081	1017.286
5179_5179	5179	5179	-1885.79	-92.787	-0.481	-0.375	-4.081	-1017.29
5179_5180	5179	5180	1891.148	112.147	0.481	0.375	7.928	174.072
5180_5180	5180	5180	-1891.15	-112.147	2.096	0.731	-7.928	-174.072
5180_5181	5180	5181	1896.504	131.507	-2.096	-0.731	-8.839	-824.02
5181_5181	5181	5181	-1896.5	-175.733	-1.607	-0.89	8.839	824.034
5181_5182	5181	5182	1902.281	194.489	1.607	0.89	3.62	-2283.82
5182_5182	5182	5182	-1902.28	-194.489	1.052	3.572	-3.62	2283.817
5182_5183	5182	5183	1908.063	213.244	-1.052	-3.572	-4.535	-3888.94
5183_5183	5183	5183	-1894.98	-213.235	-1.533	-2.838	4.708	3825.087
5183_5184	5183	5184	1901.732	238.042	1.533	2.838	9.854	-5998
5184_5184	5184	5184	138.04	442.395	-0.056	7.398	-9.154	20509.77
5184_5185	5184	5185	-111.56	-404.797	0.056	-7.397	9.857	-15177.7
5185_5185	5185	5185	100.114	411.85	0	-6.982	-8.326	15174.87
5185_5186	5185	5186	-76.72	-376.458	0	6.983	8.326	-10217.9
5186_5186	5186	5186	63.742	347.284	-0.372	-0.496	-8.907	10216.26
5186_5187	5186	5187	-48.253	-311.37	0.372	0.493	13.841	-5812.78
5187_5187	5187	5187	554.407	310.658	0.075	0.264	-1.979	3043.887
5187_5188	5187	5188	-560.679	-281.286	-0.075	-0.259	1.103	396.841
5188_5188	5188	5188	554.19	241.317	-0.043	-0.002	-1.094	-395.817
5188_5189	5188	5189	-543.326	-221.039	0.043	0	1.452	2234.783
5189_5189	5189	5189	561.647	224.701	-0.051	-0.056	-1.364	-2231.8
5189_5190	5189	5190	-525.476	-190.443	0.051	0.056	2.06	4928.409
5190_5190	5190	5190	525.475	146.614	0.207	-0.03	-2.06	-4928.41
5190_5191	5190	5191	-496.405	-119.207	-0.207	0.03	-0.219	6264.08
5191_5191	5191	5191	496.405	119.207	0.207	-0.03	0.219	-6264.08
5191_5192	5191	5192	-467.334	-91.801	-0.207	0.03	-2.497	7298.262
5192_5192	5192	5192	467.345	48.892	-0.169	0.043	2.497	-7298.27
5192_5193	5192	5193	-440.498	-23.928	0.169	-0.043	-0.806	7546.588
5193_5193	5193	5193	440.498	23.928	-0.169	-0.07	0.806	-7546.59
5193_5194	5193	5194	-413.624	1.062	0.169	0.07	0.893	7544.615
5194_5194	5194	5194	413.603	-42.374	0.159	-0.015	-0.893	-7544.62
5194_5195	5194	5195	-386.634	67.363	-0.159	0.015	-0.705	6877.404
5195_5195	5195	5195	386.634	-67.363	0.159	-0.015	0.705	-6877.4
5195_5196	5195	5196	-359.665	92.353	-0.159	0.015	-2.303	5959.522
5196_5196	5196	5196	359.672	-136.344	-0.024	-0.016	2.303	-5959.52
5196_5197	5196	5197	-329.944	163.751	0.024	0.016	-2.04	4180.365
5197_5197	5197	5197	329.944	-163.751	-0.024	-0.016	2.04	-4180.37
5197_5198	5197	5198	-300.215	191.157	0.024	0.016	-1.777	2099.719

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5198_5198	5198	5198	300.218	-234.163	0.027	-0.01	1.777	-2099.72
5198_5199	5198	5199	-261.693	268.396	-0.027	0.01	-2.154	-1519.26
5199_5199	5199	5199	264.854	-265.404	0.025	-0.011	2.065	1444.663
5199_5200	5199	5200	-241.509	286.615	-0.025	0.01	-2.272	-3832.26
5200_5200	5200	5200	249.432	-327.654	-0.006	0.888	2.303	3833.12
5200_5201	5200	5201	-220.159	358.27	0.006	-0.884	-2.235	-8021.34
5201_5201	5201	5201	216.103	-351.017	0.073	-1.298	4.316	8105.55
5201_5202	5201	5202	-202.187	391.608	-0.073	1.305	-5.281	-13161
5202_5202	5202	5202	217.521	-429.724	-0.092	8.289	6.123	13164.08
5202_5203	5202	5203	-214.477	469.593	0.092	-8.293	-4.966	-18911.9
5203_5203	5203	5203	227.617	-461.548	-0.04	-8.528	3.212	18916.38
5203_5204	5203	5204	-232.546	503.57	0.04	8.523	-2.705	-25079
5204_5204	5204	5204	-2098.77	268.606	-2.31	2.3	84.602	7593.005
5204_5205	5204	5205	2101.623	-240.741	2.31	-2.3	-62.656	-5187.45
5205_5205	5205	5205	-2104.08	240.74	-4.927	-3.521	63.887	4941.768
5205_5206	5205	5206	2106.685	-219.489	4.927	3.521	-25.7	-3170.71
5206_5206	5206	5206	-2106.69	219.489	-1.861	1.409	25.7	3170.71
5206_5207	5206	5207	2109.291	-198.238	1.861	-1.409	-11.279	-1564.38
5207_5207	5207	5207	-2109.28	150.925	-3.649	0.067	11.279	1564.376
5207_5208	5207	5208	2112.276	-128.988	3.649	-0.067	17.914	-458.663
5208_5208	5208	5208	-2112.28	128.988	-3.649	0.067	-17.914	458.663
5208_5209	5208	5209	2115.267	-107.052	3.649	-0.067	47.106	471.549
5209_5209	5209	5209	-2115.27	107.052	-3.649	0.067	-47.106	-471.549
5209_5210	5209	5210	2118.259	-85.116	3.649	-0.067	76.299	1226.26
5210_5210	5210	5210	-2118.3	36.462	1.349	-0.235	-76.299	-1226.26
5210_5211	5210	5211	2120.927	-20.01	-1.349	0.235	68.204	1383.659
5211_5211	5211	5211	-2120.93	20.01	-2.612	0.538	-68.204	-1383.66
5211_5212	5211	5212	2123.553	-3.558	2.612	-0.538	83.876	1442.336
5212_5212	5212	5212	-2123.55	3.558	1.349	-0.259	-83.876	-1442.34
5212_5213	5212	5213	2126.179	12.894	-1.349	0.259	75.782	1402.3
5213_5213	5213	5213	-2126.18	-12.894	-2.612	0.397	-75.782	-1402.3
5213_5214	5213	5214	2128.805	29.346	2.612	-0.397	91.454	1263.539
5214_5214	5214	5214	-2128.87	-77.77	1.731	0.315	-91.454	-1263.44
5214_5215	5214	5215	2132.86	99.706	-1.731	-0.315	77.607	535.494
5215_5215	5215	5215	-2132.86	-99.706	4.701	1.04	-77.607	-535.496
5215_5216	5215	5216	2136.851	121.642	-4.701	-1.04	39.993	-367.934
5216_5216	5216	5216	-2136.86	-121.642	1.731	-0.892	-39.993	367.935
5216_5217	5216	5217	2140.851	143.578	-1.731	0.892	26.146	-1446.88
5217_5217	5217	5217	-2140.87	-189.418	2.086	-16.608	-26.146	1446.722
5217_5218	5217	5218	2145.195	210.641	-2.086	16.608	10.001	-3014.33
5218_5218	5218	5218	-2145.19	-210.641	5.188	-10.972	-10.001	3014.343
5218_5219	5218	5219	2149.518	231.892	-5.188	10.972	-30.209	-4748.55
5219_5219	5219	5219	-2141.17	-231.889	19.713	28.653	30.297	4970.979
5219_5220	5219	5220	2146.264	259.752	-19.713	-28.653	-217.568	-7329.56
5220_5220	5220	5220	200.579	513.66	0.524	-35.17	-1.45	24707.44
5220_5221	5220	5221	-178.522	-471.929	-0.524	35.175	-5.144	-18504
5221_5221	5221	5221	165.206	479.848	0.364	34.477	-2.21	18500.46
5221_5222	5221	5222	-145.051	-440.322	-0.364	-34.473	-2.362	-12722.6
5222_5222	5222	5222	129.675	403.511	0.841	-2.552	5.648	12720.76
5222_5223	5222	5223	-114.794	-363.239	-0.841	2.497	-16.805	-7614.37
5223_5223	5223	5223	622.463	362.855	0.509	2.38	-1.123	4770.345
5223_5224	5223	5224	-624.332	-330.689	-0.509	-2.403	-4.862	-756.399
5224_5224	5224	5224	616.573	283.715	0.233	11.942	4.779	757.498

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5224_5225	5224	5225	-600.343	-261.465	-0.233	-11.937	-6.698	1400.499
5225_5225	5225	5225	573.786	265.785	0.018	-8.734	7.072	-1202.39
5225_5226	5225	5226	-527.246	-222.599	-0.018	8.734	-7.355	4769.072
5226_5226	5226	5226	527.237	169.019	0.799	20.004	7.355	-4769.02
5226_5227	5226	5227	-491.203	-135.871	-0.799	-20.004	-16.821	6418.325
5227_5227	5227	5227	491.209	135.871	0.574	-19.554	16.821	-6418.33
5227_5228	5227	5228	-455.171	-102.719	-0.574	19.554	-23.623	7674.821
5228_5228	5228	5228	454.996	49.695	0.388	21.296	23.623	-7673.37
5228_5229	5228	5229	-418.744	-14.465	-0.388	-21.296	-28.226	7895.214
5229_5229	5229	5229	418.737	14.632	0.163	-21.088	28.226	-7895.21
5229_5230	5229	5230	-384.716	20.603	-0.163	21.088	-30.164	7710.146
5230_5230	5230	5230	384.65	-74.755	-0.26	12.517	30.164	-7708.9
5230_5231	5230	5231	-350.265	110.975	0.26	-12.517	-26.993	6425.496
5231_5231	5231	5231	350.262	-110.804	-0.435	-13.066	26.993	-6425.49
5231_5232	5231	5232	-318.235	147.029	0.435	13.066	-21.689	4711.771
5232_5232	5232	5232	317.928	-202.543	4.584	5.295	21.689	-4710.98
5232_5233	5232	5233	-295.384	229.852	-4.584	-5.295	-63.817	2623.71
5233_5233	5233	5233	304.403	-226.967	5.33	-0.345	68.4	-2655.89
5233_5234	5233	5234	-287.361	247.874	-5.33	0.396	-105.116	942.741
5234_5234	5234	5234	291.421	-243.199	5.208	-5.567	105.009	-942.019
5234_5235	5234	5235	-272.625	266.869	-5.208	5.717	-145.332	-1124.89
5235_5235	5235	5235	279.318	-307.406	-4.433	-7.215	145.259	1124.829
5235_5236	5235	5236	-266.286	323.973	4.433	7.047	-121.452	-2890.99
5236_5236	5236	5236	226.311	-319.893	-6.326	-1.844	200.497	3132.575
5236_5237	5236	5237	-218.906	351.506	6.326	1.425	-146.967	-6047.86
5237_5237	5237	5237	224.743	-346.744	-6.413	11.417	148.027	6049.517
5237_5238	5237	5238	-222.451	371.803	6.413	-11.82	-105.676	-8475.79
5238_5238	5238	5238	233.146	-418.315	-2.468	-17.987	103.349	8476.054
5238_5239	5238	5239	-234.182	456.602	2.468	17.873	-78.977	-12869.2
5239_5239	5239	5239	259.405	-438.834	-2.567	12.875	82.989	12879.61
5239_5240	5239	5240	-270.021	481.642	2.567	-13.05	-55.56	-17871.5
5240_5240	5240	5240	-1925.28	319.064	-69.441	-5.252	1359.508	5821.865
5240_5241	5240	5241	1934.164	-274.412	69.441	5.252	-506.299	-2213.17
5241_5241	5241	5241	-1931.51	274.515	-60.55	6.99	508.799	2199.152
5241_5242	5241	5242	1935.118	-253.538	60.55	-6.99	-154.317	-668.752
5242_5242	5242	5242	-1935.17	253.613	-58.838	8.183	154.317	668.772
5242_5243	5242	5243	1938.538	-230.838	58.838	-8.183	219.654	856.347
5243_5243	5243	5243	-1940.75	187.86	-11.435	3.251	-219.654	-856.923
5243_5244	5243	5244	1948.129	-152.65	11.435	-3.251	332.023	2498.429
5244_5244	5244	5244	-1948.16	152.771	-3.952	-1.724	-332.023	-2498.44
5244_5245	5244	5245	1954.16	-117.696	3.952	1.724	370.712	3796.197
5245_5245	5245	5245	-1953.39	76.973	-15.95	5.897	-370.712	-3795.38
5245_5246	5245	5246	1958.64	-40.634	15.95	-5.897	532.475	4368.592
5246_5246	5246	5246	-1958.67	40.755	-8.399	-4.922	-532.475	-4368.67
5246_5247	5246	5247	1962.271	-6.778	8.399	4.922	612.111	4577.579
5247_5247	5247	5247	-1962.17	-36.426	-5.85	4.936	-612.111	-4576.69
5247_5248	5247	5248	1965.108	69.727	5.85	-4.936	666.481	4069.628
5248_5248	5248	5248	-1965.14	-69.606	1.057	-3.643	-666.481	-4069.52
5248_5249	5248	5249	1966.982	106.621	-1.057	3.643	655.567	3149.618
5249_5249	5249	5249	-1968.09	-146.153	37.576	1.17	-655.567	-3149.26
5249_5250	5249	5250	1968.816	182.387	-37.576	-1.17	275.599	1483.038
5250_5250	5250	5250	-1968.7	-182.265	43.37	0.977	-275.599	-1483.1
5250_5251	5250	5251	1968.066	216.348	-43.37	-0.977	-136.925	-412.267

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5251_5251	5251	5251	-1965.64	-271.204	-25.373	-36.694	136.925	411.037
5251_5252	5251	5252	1965.697	292.875	25.373	36.694	16.527	-2118.46
5252_5252	5252	5252	-1965.74	-292.799	-21.913	-31.11	-16.527	2118.517
5252_5253	5252	5253	1965.258	315.229	21.913	31.11	153.7	-4021.17
5253_5253	5253	5253	-1961.86	-315.129	-16.187	-16.79	-154.436	4004.606
5253_5254	5253	5254	1960.08	349.645	16.187	16.79	308.174	-7156.69
5254_5254	5254	5254	280.872	503.792	-77.582	231.594	-240.183	20496.71
5254_5255	5254	5255	-275.681	-492.739	77.582	-231.713	450.177	-19147.2
5255_5255	5255	5255	258.305	446.133	40.833	-25.619	-416.639	19138.83
5255_5256	5255	5256	-234.65	-396.067	-40.833	25.86	-98.059	-13829.6
5256_5256	5256	5256	225.339	404.372	40.557	38.867	91.491	13825.98
5256_5257	5256	5257	-209.817	-369.343	-40.557	-38.715	-462.088	-10286.5
5257_5257	5257	5257	200.829	319.95	-21.167	-31.935	467.155	10283.59
5257_5258	5257	5258	-190.845	-295.468	21.167	31.954	-329.259	-8275.47
5258_5258	5258	5258	186.203	300.307	-21.337	-10.393	327.248	8274.483
5258_5259	5258	5259	-177.473	-272.686	21.337	10.411	-168.339	-6132.51
5259_5259	5259	5259	118.09	279.056	-21.483	14.532	170.02	6421.826
5259_5260	5259	5260	-113.08	-254.767	21.483	-14.521	-4.905	-4350.56
5260_5260	5260	5260	637.814	207.647	2.185	14.609	-16.754	1680.759
5260_5261	5260	5261	-662.812	-188.251	-2.185	-14.62	3.839	-413.459
5261_5261	5261	5261	660.135	194.404	1.8	-0.042	-3.518	412.798
5261_5262	5261	5262	-680.27	-173.574	-1.8	0.037	-8.015	849.015
5262_5262	5262	5262	705.53	177.918	1.605	-6.097	7.624	-1158.54
5262_5263	5262	5263	-736.521	-138.962	-1.605	6.097	-27.183	3239.584
5263_5263	5263	5263	736.552	76.279	0.835	14.112	27.183	-3239.57
5263_5264	5263	5264	-769.454	-39.782	-0.835	-14.112	-36.72	4060.783
5264_5264	5264	5264	769.443	39.952	0.523	-12.687	36.72	-4060.74
5264_5265	5264	5265	-805.193	-2.765	-0.523	12.687	-42.803	4480.205
5265_5265	5265	5265	805.192	-50.993	0.426	19.956	42.803	-4480.14
5265_5266	5265	5266	-841.441	88.26	-0.426	-19.956	-47.776	3841.526
5266_5266	5266	5266	841.442	-88.09	-0.004	-19.77	47.776	-3841.55
5266_5267	5266	5267	-879.043	124.505	0.004	19.77	-47.729	2808.916
5267_5267	5267	5267	879.12	-180.045	1.61	18.402	47.729	-2808.92
5267_5268	5267	5268	-918.234	216.926	-1.61	-18.402	-66.308	704.143
5268_5268	5268	5268	918.247	-216.756	1.09	-19.069	66.308	-704.139
5268_5269	5268	5269	-959.452	253.532	-1.09	19.069	-78.853	-1807.2
5269_5269	5269	5269	959.473	-306.485	-0.893	5.035	78.853	1807.248
5269_5270	5269	5270	-991.376	334.808	0.893	-5.035	-70.936	-4498.15
5270_5270	5270	5270	991.362	-334.678	-1.208	-5.108	70.936	4498.198
5270_5271	5270	5271	-1024.43	362.884	1.208	5.108	-60.278	-7420.78
5271_5271	5271	5271	946.291	-358.022	-1.714	-6.167	51.321	8073.833
5271_5272	5271	5272	-957.014	380.008	1.714	6.148	-40.352	-10370.5
5272_5272	5272	5272	964.529	-437.072	11.734	-12.118	40.153	10370.12
5272_5273	5272	5273	-959.88	461.433	-11.734	12.179	-122.669	-13497
5273_5273	5273	5273	966.598	-453.39	11.52	-5.086	122.808	13496.37
5273_5274	5273	5274	-946.926	476.478	-11.52	5.178	-198.284	-16555.8
5274_5274	5274	5274	839.795	-469.579	11.903	13.177	185.868	17250.38
5274_5275	5274	5275	-795.118	514.419	-11.903	-12.888	-318.733	-22808.8
5275_5275	5275	5275	810.018	-568.146	-45.626	-44.688	315.179	22812.99
5275_5276	5275	5276	-759.806	609.139	45.626	43.568	134.824	-28729.2
5276_5276	5276	5276	772.231	-599.434	-46.042	41.229	-127.813	28729.51
5276_5277	5276	5277	-725.051	640.562	46.042	-42.472	568.518	-34787.4
5277_5277	5277	5277	386.892	-699.214	73.054	-70.629	-1052.84	37571.35

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5277_5278	5277	5278	-389.911	732.921	-73.054	70.163	485.898	-43176.4
5278_5278	5278	5278	-3053.29	451.825	35.644	10.081	-198.213	14816.92
5278_5279	5278	5279	3065.375	-415.204	-35.644	-10.081	-140.075	-10751.7
5279_5279	5279	5279	-3071.98	415.286	45.94	48.358	142.416	11053.11
5279_5280	5279	5280	3079.909	-391.659	-45.94	-48.358	-442.553	-8450.31
5280_5280	5280	5280	-3081.61	319.115	-57.78	-8.642	442.553	8451.604
5280_5281	5280	5281	3090.271	-276.937	57.78	8.642	231.327	-5011.61
5281_5281	5281	5281	-3090.43	277.091	-48.917	6.353	-231.327	5011.695
5281_5282	5281	5282	3097.494	-232.212	48.917	-6.353	838.365	-1881.17
5282_5282	5282	5282	-3146.23	180.554	4.979	-1.419	-851.575	2111.464
5282_5283	5282	5283	3157.626	-142.113	-4.979	1.419	789.898	-160.902
5283_5283	5283	5283	-3157.58	142.242	15.366	1.406	-789.898	160.814
5283_5284	5283	5284	3166.681	-105.988	-15.366	-1.406	610.357	1250.47
5284_5284	5284	5284	-3166.83	-9.176	13.192	0.368	-610.357	-1250.56
5284_5285	5284	5285	3169.904	44.162	-13.192	-0.368	461.616	936.557
5285_5285	5285	5285	-3169.84	-44.048	21.173	0.353	-461.616	-936.682
5285_5286	5285	5286	3171.322	75.291	-21.173	-0.353	248.429	329.002
5286_5286	5286	5286	-3171.32	-158.433	37.833	-3.235	-248.429	-328.76
5286_5287	5286	5287	3174.082	193.837	-37.833	3.235	-183.257	-1693.56
5287_5287	5287	5287	-3173.93	-193.715	49.352	6.149	183.257	1693.562
5287_5288	5287	5288	3175.174	229.301	-49.352	-6.149	-749.266	-4125.87
5288_5288	5288	5288	-3176.52	-231.899	-31.667	-21.899	749.266	4126.011
5288_5289	5288	5289	3177.384	244.306	31.667	21.899	-622.637	-5082.18
5289_5289	5289	5289	-3169.09	-244.235	-26.924	-10.745	622.939	4763.46
5289_5290	5289	5290	3170.218	276.012	26.924	10.745	-367.163	-7240.32
5290_5290	5290	5290	296.184	969.235	-22.838	12.96	90.785	32195.96
5290_5291	5290	5291	-281.414	-929.595	22.838	-13.093	147.771	-22311.9
5291_5291	5291	5291	249.08	848.109	1.52	-30.608	-143.435	22311.05
5291_5292	5291	5292	-233.681	-808.494	-1.52	30.646	126.936	-13355.4
5292_5292	5292	5292	212.239	815.925	1.364	31.029	-130.927	13353.25
5292_5293	5292	5293	-199.808	-781.413	-1.364	-31.004	117.656	-5613.27
5293_5293	5293	5293	179.993	696.446	3.7	-4.636	-115.678	5612.864
5293_5294	5293	5294	-172.358	-670.963	-3.7	4.631	88.683	-643.353
5294_5294	5294	5294	134.39	675.819	3.585	3.669	-86.54	766.649
5294_5295	5294	5295	-128.665	-652.516	-3.585	-3.671	59.167	4286.613
5295_5295	5295	5295	119.927	655.433	3.484	-0.222	-59.109	-4286.86
5295_5296	5295	5296	-116.918	-630.454	-3.484	0.222	30.538	9547.245
5296_5296	5296	5296	17.182	554.294	2.018	17.625	-13.169	-8987.57
5296_5297	5296	5297	-17.946	-541.71	-2.018	-17.625	4.795	11266.41
5297_5297	5297	5297	66.481	541.799	2.132	10.646	-10.278	-11539.8
5297_5298	5297	5298	-67.773	-509.512	-2.132	-10.646	-9.466	16417.61
5298_5298	5298	5298	67.78	509.592	2.044	-20.189	9.466	-16417.6
5298_5299	5298	5299	-69.867	-477.646	-2.044	20.189	-28.2	20954.21
5299_5299	5299	5299	69.798	402.087	-0.059	47.714	28.2	-20955.6
5299_5300	5299	5300	-72.234	-361.426	0.059	-47.714	-27.515	25423.49
5300_5300	5300	5300	72.22	361.53	-0.201	-38.31	27.515	-25423.4
5300_5301	5300	5301	-76.234	-318.327	0.201	38.31	-25.018	29658.94
5301_5301	5301	5301	76.226	238.7	-0.187	58.228	25.018	-29661.3
5301_5302	5301	5302	-81.043	-195.101	0.187	-58.228	-22.674	32400.27
5302_5302	5302	5302	81.062	195.206	-0.329	-54.942	22.674	-32400.4
5302_5303	5302	5303	-86.836	-154.973	0.329	54.942	-18.878	34451.58
5303_5303	5303	5303	86.822	77.129	1.634	68.997	18.878	-34453.8
5303_5304	5303	5304	-93.567	-31.774	-1.634	-68.997	-40.146	35197.39

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5304_5304	5304	5304	93.612	31.879	1.475	-72.318	40.146	-35197.6
5304_5305	5304	5305	-100.611	6.627	-1.475	72.318	-56.437	35372.83
5305_5305	5305	5305	100.572	-84.279	-0.317	55.445	56.437	-35375.3
5305_5306	5305	5306	-108.269	126.302	0.317	-55.445	-52.613	34145
5306_5306	5306	5306	108.27	-126.198	-0.437	-48.003	52.613	-34145
5306_5307	5306	5307	-117.299	167.968	0.437	48.003	-47.379	32427.85
5307_5307	5307	5307	117.315	-247.021	1.758	57.784	47.379	-32430.1
5307_5308	5307	5308	-126.666	288.438	-1.758	-57.784	-68.273	29295.72
5308_5308	5308	5308	126.667	-288.333	1.613	-50.344	68.273	-29295.7
5308_5309	5308	5309	-137.647	330.766	-1.613	50.344	-87.906	25581.95
5309_5309	5309	5309	137.679	-399.039	1.932	37.417	87.906	-25583.5
5309_5310	5309	5310	-147.997	441.034	-1.932	-37.417	-111.185	20573.95
5310_5310	5310	5310	148.013	-440.929	1.796	-32.835	111.185	-20574
5310_5311	5310	5311	-159.668	482.749	-1.796	32.835	-132.728	15090.23
5311_5311	5311	5311	159.545	-579.531	-5.585	13.778	132.728	-15090.8
5311_5312	5311	5312	-177.283	623.451	5.585	-13.778	-62.359	7599.206
5312_5312	5312	5312	177.275	-623.349	-5.757	-16.522	62.359	-7599.34
5312_5313	5312	5313	-193.735	661.101	5.757	16.522	0	724.45
5400_5020	5400	5020	2687.997	-244.248	21.885	0.868	-352.887	-3537.18
5400_5401	5400	5401	-2689.05	248.228	-21.885	-0.868	263.413	2530.47
5401_5401	5401	5401	2685.951	-244.531	22.625	-1.31	-257.117	-2530.55
5401_5402	5401	5402	-2686.86	247.924	-22.625	1.31	178.19	1671.592
5402_5402	5402	5402	2692.07	-183.38	17.615	-0.208	-179.1	-1671.5
5402_5403	5402	5403	-2695.16	193.932	-17.615	0.208	-13.28	-388.903
5403_5403	5403	5403	2691.695	-115.921	0.378	-0.76	11.493	388.901
5403_5404	5403	5404	-2693.95	122.816	-0.378	0.76	-14.22	-1249.07
5404_5404	5404	5404	2696.051	-61.296	-1.726	-0.102	14.546	1249.068
5404_5405	5404	5405	-2698.47	68.15	1.726	0.102	-2.088	-1716.29
5405_5405	5405	5405	2698.127	22.032	0.405	-0.405	1.171	1716.294
5405_5406	5405	5406	-2703.43	-8.527	-0.405	0.405	-7.004	-1496.08
5406_5406	5406	5406	2703.169	99.525	0.435	-0.729	6.193	1496.081
5406_5407	5406	5407	-2706.72	-91.345	-0.435	0.729	-10.044	-650.688
5407_5407	5407	5407	2704.204	148.184	-3.583	0.003	10.46	650.682
5407_5408	5407	5408	-2706.66	-142.845	3.583	-0.003	9.442	157.587
5408_5408	5408	5408	2683.694	-431.183	0.278	-1.202	-10.29	-157.587
5408_5409	5408	5409	-2684.39	434.298	-0.278	1.202	9.45	-1148.58
5409_5409	5409	5409	2679.68	416.611	7.008	0.24	-9.233	1149.241
5409_5410	5409	5410	-2678.98	-413.484	-7.008	-0.24	-11.995	107.969
5410_5410	5410	5410	2702.967	-161.797	-2.068	-0.034	11.88	-107.942
5410_5411	5410	5411	-2700.51	167.134	2.068	0.034	-0.393	-805.442
5411_5411	5411	5411	2703.427	-110.413	0.751	-0.867	0.751	805.441
5411_5412	5411	5412	-2699.87	118.59	-0.751	0.867	-7.406	-1819.51
5412_5412	5412	5412	2705.699	-27.231	0.161	-0.555	6.692	1819.533
5412_5413	5412	5413	-2700.39	40.74	-0.161	0.555	-9.01	-2309.46
5413_5413	5413	5413	2705.989	48.415	-1.179	0.332	8.25	2309.503
5413_5414	5413	5414	-2703.57	-41.565	1.179	-0.332	0.256	-1984.94
5414_5414	5414	5414	2701.919	103.298	1.048	-1.319	0.295	1984.944
5414_5415	5414	5415	-2699.66	-96.408	-1.048	1.319	-7.845	-1265.89
5415_5415	5415	5415	2704.798	174.676	-7.889	-0.41	8.905	1265.891
5415_5416	5415	5416	-2701.71	-164.124	7.889	0.41	77.254	584.144
5416_5416	5416	5416	2696.866	229.893	-16.758	-0.494	-76.717	-584.215
5416_5417	5416	5417	-2695.96	-226.495	16.758	0.494	135.256	1381.329
5417_5417	5417	5417	2699.806	224.226	-29.864	-1.487	-137.632	-1381.22

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5417_5036	5417	5036	-2698.76	-220.271	29.864	1.487	259.003	2284.481
5420_5056	5420	5056	2231.523	-227.854	13.697	0.951	-151.373	-3791.44
5420_5421	5420	5421	-2232.45	231.387	-13.697	-0.951	95.287	2851.233
5421_5421	5421	5421	2228.924	-228.123	8.052	0.004	-92.192	-2851.24
5421_5422	5421	5422	-2229.73	231.128	-8.052	-0.004	64.118	2050.602
5422_5422	5422	5422	2234.633	-177.582	6.77	0.338	-64.453	-2050.59
5422_5423	5422	5423	-2237.37	186.928	-6.77	-0.338	-9.449	60.965
5423_5423	5423	5423	2235.281	-124.012	0.618	0.075	7.791	-60.969
5423_5424	5423	5424	-2237.28	130.129	-0.618	-0.075	-12.246	-855.647
5424_5424	5424	5424	2239.735	-77.046	-1.155	0.471	12.486	855.643
5424_5425	5424	5425	-2241.88	83.109	1.155	-0.471	-4.16	-1432.81
5425_5425	5425	5425	2241.899	-10.502	-0.193	0.293	4.144	1432.813
5425_5426	5425	5426	-2246.6	22.474	0.193	-0.293	-1.367	-1670.55
5426_5426	5426	5426	2246.408	53.459	1.79	-0.585	0.845	1670.551
5426_5427	5426	5427	-2249.56	-46.217	-1.79	0.585	-16.69	-1229.34
5427_5427	5427	5427	2248.14	92.197	-3.235	1.771	17.913	1229.324
5427_5428	5427	5428	-2250.33	-87.434	3.235	-1.771	0.07	-730.117
5428_5428	5428	5428	2225.517	-389.424	1.743	-0.304	-0.528	730.121
5428_5429	5428	5429	-2226.14	392.203	-1.743	0.304	-4.737	-1910.3
5429_5429	5429	5429	2227.219	398.822	-4.983	0.703	4.647	1912.313
5429_5430	5429	5430	-2226.6	-396.034	4.983	-0.703	10.445	-708.546
5430_5430	5430	5430	2254.045	-84.575	1.462	0.064	-9.161	708.541
5430_5431	5430	5431	-2251.86	89.329	-1.462	-0.064	1.046	-1191.04
5431_5431	5431	5431	2253.261	-40.704	0.934	0.363	-1.165	1191.043
5431_5432	5431	5432	-2250.11	47.954	-0.934	-0.363	-7.106	-1583.84
5432_5432	5432	5432	2251.698	27.104	-0.399	0.249	6.992	1583.864
5432_5433	5432	5433	-2247	-15.135	0.399	-0.249	-1.247	-1279.43
5433_5433	5433	5433	2248.3	88.774	1.511	0.284	1.94	1279.45
5433_5434	5433	5434	-2246.16	-82.705	-1.511	-0.284	-12.842	-660.93
5434_5434	5434	5434	2243.69	133.897	0.757	0.218	12.771	660.931
5434_5435	5434	5435	-2241.69	-127.793	-0.757	-0.218	-18.219	281.18
5435_5435	5435	5435	2243.716	192.983	-15.757	-1.333	20.937	-281.164
5435_5436	5435	5436	-2240.98	-183.625	15.757	1.333	151.285	2339.245
5436_5436	5436	5436	2236.064	236.214	-12.886	5.313	-152.101	-2339.19
5436_5437	5436	5437	-2235.26	-233.211	12.886	-5.313	197.007	3157.108
5437_5437	5437	5437	2238.935	236.69	-24.892	-1.27	-201.291	-3157.42
5437_5072	5437	5072	-2238.01	-233.16	24.892	1.27	303.136	4118.613
5440_5094	5440	5094	2540.702	-210.847	10.659	0.516	-85.46	-2445.48
5440_5441	5440	5441	-2541.62	214.339	-10.659	-0.516	41.894	1576.585
5441_5441	5441	5441	2536.18	-211.34	5.16	0.236	-40.77	-1576.59
5441_5442	5441	5442	-2536.98	214.32	-5.16	-0.236	22.762	833.842
5442_5442	5442	5442	2541.391	-153.391	2.402	-0.139	-23.019	-833.835
5442_5443	5442	5443	-2544.1	162.656	-2.402	0.139	-3.223	-892.636
5443_5443	5443	5443	2540.941	-88.033	1.568	-0.788	2.115	892.636
5443_5444	5443	5444	-2542.92	94.08	-1.568	0.788	-13.408	-1548.32
5444_5444	5444	5444	2544.405	-36.037	-1.488	0.775	14.046	1548.313
5444_5445	5444	5445	-2546.53	42.048	1.488	-0.775	-3.313	-1829.97
5445_5445	5445	5445	2544.455	42.536	-0.327	0.038	4.729	1829.977
5445_5446	5445	5446	-2549.11	-30.682	0.327	-0.038	-0.01	-1302.3
5446_5446	5446	5446	2545.981	116.778	1.806	0.071	0.88	1302.305
5446_5447	5446	5447	-2549.1	-109.601	-1.806	-0.071	-16.879	-299.776
5447_5447	5447	5447	2546.308	162.001	0.373	-0.112	16.952	299.772
5447_5448	5447	5448	-2548.48	-157.28	-0.373	0.112	-19.025	587.697

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5448_5448	5448	5448	2531.473	-383.911	-7.769	3.682	20.862	-587.706
5448_5449	5448	5449	-2532.09	386.669	7.769	-3.682	2.631	-577.406
5449_5449	5449	5449	2531.434	383.807	8.621	-3.797	-2.605	577.689
5449_5450	5449	5450	-2530.82	-381.049	-8.621	3.797	-23.471	578.997
5450_5450	5450	5450	2546.779	-161.648	-1.753	0.14	22.247	-578.976
5450_5451	5450	5451	-2544.61	166.361	1.753	-0.14	-12.518	-331.355
5451_5451	5451	5451	2547.579	-112.09	-1.102	-0.21	12.555	331.354
5451_5452	5451	5452	-2544.46	119.269	1.102	0.21	-2.795	-1356.04
5452_5452	5452	5452	2547.507	-33.143	0.128	-0.087	1.697	1356.039
5452_5453	5452	5453	-2542.85	44.998	-0.128	0.087	-3.536	-1919.21
5453_5453	5453	5453	2544.428	39.457	0.569	-0.147	2.789	1919.213
5453_5454	5453	5454	-2542.31	-33.447	-0.569	0.147	-6.891	-1656.25
5454_5454	5454	5454	2540.844	92.506	0.057	0.031	6.776	1656.254
5454_5455	5454	5455	-2538.86	-86.451	-0.057	-0.031	-7.185	-1011.14
5455_5455	5455	5455	2540.111	159.379	-2.412	0.037	7.665	1011.148
5455_5456	5455	5456	-2537.4	-150.124	2.412	-0.037	18.661	677.91
5456_5456	5456	5456	2533.011	211.575	-4.784	-0.16	-18.481	-677.915
5456_5457	5456	5457	-2532.22	-208.596	4.784	0.16	35.173	1410.96
5457_5457	5457	5457	2537.731	213.44	-10.874	-0.492	-36.097	-1410.94
5457_5110	5457	5110	-2536.81	-209.939	10.874	0.492	80.639	2278.059
5460_5132	5460	5132	2155.21	-225.852	-6.79	-1.069	225.24	-3692.15
5460_5461	5460	5461	-2156.13	229.36	6.79	1.069	-197.372	2757.964
5461_5461	5461	5461	2151.411	-226.794	-17.815	0.916	189.727	-2757.94
5461_5462	5461	5462	-2152.21	229.771	17.815	-0.916	-127.587	1961.667
5462_5462	5462	5462	2157.115	-178.065	-15.887	-0.349	128.099	-1961.63
5462_5463	5462	5463	-2159.83	187.325	15.887	0.349	45.396	-33.467
5463_5463	5463	5463	2149.738	-121.038	0.488	0.799	-42.204	33.356
5463_5464	5463	5464	-2151.72	127.091	-0.488	-0.799	38.69	-927.512
5464_5464	5464	5464	2154.079	-77.067	6.515	-0.931	-39.588	927.474
5464_5465	5464	5465	-2156.2	83.076	-6.515	0.931	-7.396	-1504.92
5465_5465	5465	5465	2140.862	-0.784	-0.384	-0.08	6.85	1504.866
5465_5466	5465	5466	-2145.52	12.633	0.384	0.08	-1.317	-1601.53
5466_5466	5466	5466	2119.533	80.126	-1.46	0.479	2.084	1601.626
5466_5467	5466	5467	-2122.65	-72.951	1.46	-0.479	10.842	-923.914
5467_5467	5467	5467	2120.703	116.568	2.548	-1.001	-11.612	923.905
5467_5468	5467	5468	-2122.87	-111.848	-2.548	1.001	-2.551	-289.167
5468_5468	5468	5468	2074.393	-302.446	0.85	-0.55	2.41	289.164
5468_5469	5468	5469	-2075.01	305.203	-0.85	0.55	-4.98	-1207.65
5469_5469	5469	5469	2066.939	301.038	0.034	0.46	-12.321	1185.565
5469_5470	5469	5470	-2066.32	-298.281	-0.034	-0.46	12.219	-279.671
5470_5470	5470	5470	2114.653	-114.395	1.844	-0.539	-11.83	279.691
5470_5471	5470	5471	-2112.48	119.115	-1.844	0.539	1.583	-928.583
5471_5471	5471	5471	2114.521	-74.706	0.247	0.186	-1.894	928.582
5471_5472	5471	5472	-2111.4	81.889	-0.247	-0.186	-0.292	-1622.59
5472_5472	5472	5472	2138.889	8.38	0.318	-0.082	-0.42	1622.488
5472_5473	5472	5473	-2134.23	3.469	-0.318	0.082	-4.168	-1587.11
5473_5473	5473	5473	2152.18	75.912	-0.613	-0.107	3.086	1587.131
5473_5474	5473	5474	-2150.06	-69.903	0.613	0.107	1.333	-1061.36
5474_5474	5474	5474	2147.854	119.858	-0.763	0	-1.36	1061.363
5474_5475	5474	5475	-2145.88	-113.805	0.763	0	6.862	-219.324
5475_5475	5475	5475	2157.987	177.536	3.436	-0.013	-7.587	219.327
5475_5476	5475	5476	-2155.27	-168.275	-3.436	0.013	-29.937	1668.985
5476_5476	5476	5476	2150.615	219.937	4.283	-0.056	29.748	-1668.99

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5476_5477	5476	5477	-2149.82	-216.959	-4.283	0.056	-44.687	2431.007
5477_5477	5477	5477	2154.092	220.247	1.216	0.309	47.718	-2430.94
5477_5148	5477	5148	-2153.17	-216.748	-1.216	-0.309	-52.698	3325.671
5480_5168	5480	5168	2085.263	-239.751	2.772	0.068	7.221	-4419.47
5480_5481	5480	5481	-2086.18	243.251	-2.772	-0.068	-18.573	3430.52
5481_5481	5481	5481	2083.076	-241.493	-4.634	-4.821	15.155	-3430.44
5481_5482	5481	5482	-2083.87	244.471	4.634	4.821	1.008	2582.858
5482_5482	5482	5482	2089.191	-193.881	0.357	1.548	0.735	-2582.86
5482_5483	5482	5483	-2091.9	203.132	-0.357	-1.548	-4.631	416.865
5483_5483	5483	5483	2094.158	-141.83	-1.593	0.355	4.592	-416.874
5483_5484	5483	5484	-2096.14	147.883	1.593	-0.355	6.887	-627.148
5484_5484	5484	5484	2099.008	-99.133	1.416	-0.399	-7.199	627.144
5484_5485	5484	5485	-2101.13	105.142	-1.416	0.399	-3.009	-1363.71
5485_5485	5485	5485	2096.606	-26.954	-0.187	-0.032	3.535	1363.75
5485_5486	5485	5486	-2101.26	38.812	0.187	0.032	-0.838	-1837.87
5486_5486	5486	5486	2087.191	52.338	-2.014	0.208	0.645	1837.987
5486_5487	5486	5487	-2090.31	-45.163	2.014	-0.208	17.189	-1406.32
5487_5487	5487	5487	2088.941	88.131	-0.471	-0.457	-17.649	1406.314
5487_5488	5487	5488	-2091.11	-83.412	0.471	0.457	20.268	-929.618
5488_5488	5488	5488	2047.398	-326.543	-0.938	-0.666	-21.231	929.656
5488_5489	5488	5489	-2048.02	329.3	0.938	0.666	24.067	-1920.99
5489_5489	5489	5489	2048.743	330.485	-2.125	1.013	14.336	1922.422
5489_5490	5489	5490	-2048.13	-327.728	2.125	-1.013	-7.912	-927.507
5490_5490	5490	5490	2095.822	-82.978	0.557	-0.524	7.515	927.485
5490_5491	5490	5491	-2093.65	87.698	-0.557	0.524	-10.608	-1401.77
5491_5491	5491	5491	2095.014	-44.633	-0.99	0.284	10.149	1401.775
5491_5492	5491	5492	-2091.9	51.808	0.99	-0.284	-1.387	-1828.75
5492_5492	5492	5492	2109.647	38.927	-0.266	0.001	0.837	1828.809
5492_5493	5492	5493	-2104.99	-27.068	0.266	-0.001	3	-1353.04
5493_5493	5493	5493	2113.785	105.192	1.356	-0.388	-2.743	1353.045
5493_5494	5493	5494	-2111.67	-99.184	-1.356	0.388	-7.039	-616.112
5494_5494	5494	5494	2108.79	148.227	-1.67	0.354	6.732	616.116
5494_5495	5494	5495	-2106.81	-142.175	1.67	-0.354	5.305	430.39
5495_5495	5495	5495	2110.118	204.216	0.827	1.548	-5.637	-430.376
5495_5496	5495	5496	-2107.41	-194.956	-0.827	-1.548	-3.396	2610.067
5496_5496	5496	5496	2102.119	245.445	-4.186	-4.96	5.149	-2610.06
5496_5497	5496	5497	-2101.32	-242.468	4.186	4.96	9.455	3461.038
5497_5497	5497	5497	2104.098	244.398	2.632	0.139	-12.915	-3461.1
5497_5184	5497	5184	-2103.18	-240.899	-2.632	-0.139	2.137	4454.751
5500_5204	5500	5204	2429.91	-245.709	-0.788	0.398	-46.836	-4108.41
5500_5501	5500	5501	-2431	249.847	0.788	-0.398	50.062	3093.777
5501_5501	5501	5501	2429.072	-246.909	4.581	0.322	-47.134	-3093.89
5501_5502	5501	5502	-2430.01	250.431	-4.581	-0.322	31.152	2226.438
5502_5502	5502	5502	2435.323	-192.058	3.625	0.174	-31.398	-2226.44
5502_5503	5502	5503	-2438.53	203.01	-3.625	-0.174	-8.189	69.153
5503_5503	5503	5503	2436.715	-133.723	-2.147	0.745	8.105	-69.145
5503_5504	5503	5504	-2439.06	140.881	2.147	-0.745	7.37	-920.429
5504_5504	5504	5504	2441.671	-84.165	1.368	-0.425	-7.824	920.426
5504_5505	5504	5505	-2444.18	91.271	-1.368	0.425	-2.043	-1553.01
5505_5505	5505	5505	2442.654	-11.939	-0.353	0.208	2.688	1552.984
5505_5506	5505	5506	-2448.16	25.964	0.353	-0.208	2.4	-1826.23
5506_5506	5506	5506	2446	56.317	1.036	0.557	-2.731	1826.256
5506_5507	5506	5507	-2449.69	-47.831	-1.036	-0.557	-6.445	-1365.16

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5507_5507	5507	5507	2448.187	98.187	2.843	-0.565	6	1365.161
5507_5508	5507	5508	-2450.73	-92.652	-2.843	0.565	-21.8	-834.845
5508_5508	5508	5508	2418.679	-426.677	-3.251	1.826	23.056	834.781
5508_5509	5508	5509	-2419.4	429.91	3.251	-1.826	-13.228	-2129.55
5509_5509	5509	5509	2419.435	430.162	-2.338	-1.618	13.181	2129.317
5509_5510	5509	5510	-2418.71	-426.929	2.338	1.618	-6.112	-833.79
5510_5510	5510	5510	2447.818	-92.324	2.354	-1.254	6.555	833.795
5510_5511	5510	5511	-2445.28	97.859	-2.354	1.254	-19.638	-1362.29
5511_5511	5511	5511	2446.77	-47.574	-2.237	0.877	18.506	1362.303
5511_5512	5511	5512	-2443.08	56.06	2.237	-0.877	1.299	-1821.12
5512_5512	5512	5512	2442.342	26.288	-0.01	0.026	-0.317	1821.137
5512_5513	5512	5513	-2436.83	-12.263	0.01	-0.026	0.459	-1543.21
5513_5513	5513	5513	2435.118	91.607	2.045	-0.402	-0.234	1543.225
5513_5514	5513	5514	-2432.61	-84.5	-2.045	0.402	-14.512	-908.224
5514_5514	5514	5514	2430.051	139.957	-1.423	0.588	14.066	908.231
5514_5515	5514	5515	-2427.71	-132.808	1.423	-0.588	-3.821	73.42
5515_5515	5515	5515	2427.642	202.99	-6.472	0.795	4.295	-73.42
5515_5516	5515	5516	-2424.43	-192.038	6.472	-0.795	66.384	2230.462
5516_5516	5516	5516	2419.117	250.141	-10.094	-1.048	-65.428	-2230.49
5516_5517	5516	5517	-2418.18	-246.62	10.094	1.048	100.64	3096.9
5517_5517	5517	5517	2419.561	248.739	-41.563	-2.873	-93.644	-3096.9
5517_5220	5517	5220	-2418.47	-244.6	41.563	2.873	263.831	4106.942
5520_5240	5520	5240	2239.986	-509.562	133.815	6.169	-1304.27	-8363.38
5520_5521	5520	5521	-2241.29	518.028	-133.815	-6.169	391.071	4857.075
5521_5521	5521	5521	2304.815	-283.793	36.983	9.558	-384.354	-4865.96
5521_5522	5521	5522	-2305.95	288.032	-36.983	-9.558	255.097	3866.687
5522_5522	5522	5522	2312.482	-231.089	27.174	-1.057	-259.736	-3866.39
5522_5523	5522	5523	-2316.34	244.239	-27.174	1.057	-36.895	1272.039
5523_5523	5523	5523	2324.006	-188.061	0.768	0.561	32.417	-1271.26
5523_5524	5523	5524	-2326.82	196.657	-0.768	-0.561	-37.946	-114.612
5524_5524	5524	5524	2330.741	-142.677	-6.673	0.055	38.081	114.568
5524_5525	5524	5525	-2333.75	151.212	6.673	-0.055	10.035	-1174.08
5525_5525	5525	5525	2337.299	-85.788	-1.357	-0.031	-11.699	1173.39
5525_5526	5525	5526	-2343.92	102.633	1.357	0.031	31.264	-2531.65
5526_5526	5526	5526	2350.873	-30.716	0.816	-1.776	-29.977	2529.389
5526_5527	5526	5527	-2355.3	40.916	-0.816	1.776	22.747	-2846.71
5527_5527	5527	5527	2355.643	8.755	-1.876	1.952	-21.286	2846.719
5527_5528	5527	5528	-2358.67	-2.163	1.876	-1.952	31.708	-2816.4
5528_5528	5528	5528	2314.996	-499.136	-3.2	-7.021	-27.866	2813.99
5528_5529	5528	5529	-2315.86	502.99	3.2	7.021	37.542	-4328.97
5529_5529	5529	5529	2315.161	501.414	-0.153	4.525	-36.984	4324.952
5529_5530	5529	5530	-2314.3	-497.561	0.153	-4.525	37.447	-2815.15
5530_5530	5530	5530	2365.211	-0.894	10.389	-4.106	-40.171	2812.866
5530_5531	5530	5531	-2362.18	7.489	-10.389	4.106	-17.551	-2836.15
5531_5531	5531	5531	2361.845	41.493	5.534	1.406	14.909	2836.171
5531_5532	5531	5532	-2357.41	-31.299	-5.534	-1.406	-63.915	-2513.88
5532_5532	5532	5532	2357.96	112.043	-1.696	-0.522	61.386	2512.786
5532_5533	5532	5533	-2351.35	-95.192	1.696	0.522	-36.934	-1018.42
5533_5533	5533	5533	2346.664	174.138	-3.099	0.602	36.184	1018.14
5533_5534	5533	5534	-2343.65	-165.602	3.099	-0.602	-13.836	206.839
5534_5534	5534	5534	2339.16	220.106	-4.75	0.13	13.895	-206.836
5534_5535	5534	5535	-2336.35	-211.506	4.75	-0.13	20.344	1762.323
5535_5535	5535	5535	2330.991	281.778	24.149	2.315	-16.893	-1761.04

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5535_5536	5535	5536	-2327.14	-268.622	-24.149	-2.315	-246.837	4766.533
5536_5536	5536	5536	2320.114	323.685	24.675	-2.411	246.522	-4766.55
5536_5537	5536	5537	-2318.98	-319.459	-24.675	2.411	-332.499	5887.052
5537_5537	5537	5537	2333.908	319.199	-64.107	-100.232	343.225	-5902.08
5537_5254	5537	5254	-2332.6	-314.227	64.107	100.232	-80.709	7199.007
5540_5278	5540	5278	3583.673	-330.088	42.719	107.368	-222.233	-4122.7
5540_5541	5540	5541	-3585.08	335.429	-42.719	-107.368	47.566	2762.148
5541_5541	5541	5541	3597.274	-329.491	6.488	3.438	-45.506	-2804.27
5541_5542	5541	5542	-3598.49	334.053	-6.488	-3.438	22.833	1644.843
5542_5542	5542	5542	3605.604	-245.714	-0.796	0.607	-23.735	-1644.83
5542_5543	5542	5543	-3609.75	259.87	0.796	-0.607	32.422	-1115.48
5543_5543	5543	5543	3618.122	-156.958	3.669	-5.04	-36.332	1110.861
5543_5544	5543	5544	-3621.15	166.212	-3.669	5.04	9.887	-2275.5
5544_5544	5544	5544	3624.057	-80.77	-6.362	1.543	-7.76	2275.508
5544_5545	5544	5545	-3627.3	89.946	6.362	-1.543	53.596	-2890.49
5545_5545	5545	5545	3617.423	26.329	1.002	-1.923	-55.116	2885.466
5545_5546	5545	5546	-3624.54	-8.202	-1.002	1.923	40.671	-2636.55
5546_5546	5546	5546	3607.828	128.227	11.328	-1.73	-40.423	2633.114
5546_5547	5546	5547	-3612.6	-117.258	-11.328	1.73	-59.878	-1546.28
5547_5547	5547	5547	3609.467	190.901	6.054	-0.745	60.843	1546.245
5547_5548	5547	5548	-3612.72	-183.818	-6.054	0.745	-94.502	-504.562
5548_5548	5548	5548	3574.268	-578.383	-19.188	0.402	98.968	496.875
5548_5549	5548	5549	-3575.19	582.518	19.188	-0.402	-40.967	-2251.45
5549_5549	5549	5549	3594.497	601.597	-16.281	-2.962	41.669	2255.116
5549_5550	5549	5550	-3593.54	-597.533	16.281	2.962	6.808	-469.882
5550_5550	5550	5550	3614.196	-189.192	13.608	-2.438	-5.454	470.253
5550_5551	5550	5551	-3610.76	196.352	-13.608	2.438	-71.629	-1562.21
5551_5551	5551	5551	3614.302	-114.563	5.852	-0.755	70.061	1562.284
5551_5552	5551	5552	-3609.62	124.93	-5.852	0.755	-119.353	-2570.84
5552_5552	5552	5552	3606.865	11.912	0.028	-1.958	118.01	2570.101
5552_5553	5552	5553	-3599.73	5.709	-0.028	1.958	-118.402	-2526.46
5553_5553	5553	5553	3600.297	122.862	-7.113	-0.972	116.842	2525.557
5553_5554	5553	5554	-3597.07	-113.916	7.113	0.972	-66.76	-1691.99
5554_5554	5554	5554	3592.938	206.404	-11.177	-0.737	66.065	1692.015
5554_5555	5554	5555	-3589.94	-197.373	11.177	0.737	12.673	-269.796
5555_5555	5555	5555	3599.722	316.162	-20.28	2.025	-11.554	270.114
5555_5556	5555	5556	-3595.68	-302.344	20.28	-2.025	227.692	3025.731
5556_5556	5556	5556	3585.822	402.247	-28.943	0.825	-225.571	-3025.89
5556_5557	5556	5557	-3584.65	-397.768	28.943	-0.825	324.806	4397.339
5557_5557	5557	5557	3572.057	398.893	1.632	-17.853	-327.979	-4403.78
5557_5290	5557	5290	-3570.19	-391.711	-1.632	17.853	319.017	6575.142
6000_6000	6000	6000	7.312	12.769	-0.07	-0.013	0	-8.642
6000_6001	6000	6001	-20.714	6.012	0.07	0.013	0.816	61.773
6001_6001	6001	6001	20.714	-6.012	-0.07	0.056	-0.816	-61.773
6001_6002	6001	6002	-31.825	21.585	0.07	-0.056	1.492	-59.682
6002_6002	6002	6002	31.838	21.025	0.083	-0.015	-1.492	59.794
6002_6003	6002	6003	-28.718	-1.427	-0.083	0.015	0.483	73.165
6003_6003	6003	6003	28.717	1.427	0.083	0.045	-0.483	-73.165
6003_6004	6003	6004	-25.596	18.173	-0.083	-0.045	-0.526	-31.543
6004_6004	6004	6004	25.594	20.019	-0.022	0.006	0.526	31.545
6004_6005	6004	6005	-26.001	-0.416	0.022	-0.006	-0.258	92.835
6005_6005	6005	6005	26.001	0.416	-0.022	0.015	0.258	-92.835
6005_6006	6005	6006	-26.408	19.171	0.022	-0.015	0.011	-20.372

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6006_6006	6006	6006	26.393	19.833	0.009	0.004	-0.011	20.558
6006_6007	6006	6007	-26.032	-0.23	-0.009	-0.004	-0.099	100.773
6007_6007	6007	6007	26.032	0.23	0.009	0.004	0.099	-100.773
6007_6008	6007	6008	-25.67	19.374	-0.009	-0.004	-0.208	-15.673
6008_6008	6008	6008	25.697	19.456	-0.002	0.038	0.208	15.317
6008_6009	6008	6009	-25.448	0.135	0.002	-0.038	-0.19	101.535
6009_6009	6009	6009	25.448	-0.135	-0.002	-0.043	0.19	-101.535
6009_6010	6009	6010	-25.2	19.724	0.002	0.043	-0.172	-19.069
6010_6010	6010	6010	25.173	19.206	-0.001	-0.013	0.172	19.349
6010_6011	6010	6011	-25.62	0.401	0.001	0.013	-0.157	95.195
6011_6011	6011	6011	25.62	-0.401	-0.001	-0.003	0.157	-95.195
6011_6012	6011	6012	-26.067	19.992	0.001	0.003	-0.142	-27.933
6012_6012	6012	6012	26.064	18.79	0.011	-0.012	0.142	27.969
6012_6013	6012	6013	-23.226	0.806	-0.011	0.012	-0.27	77.92
6013_6013	6013	6013	23.226	-0.806	0.011	-0.012	0.27	-77.92
6013_6014	6013	6014	-20.388	20.401	-0.011	0.012	-0.398	-53.778
6014_6014	6014	6014	20.371	18.493	-0.009	-0.004	0.398	53.967
6014_6015	6014	6015	-38.218	7.369	0.009	0.004	-0.259	54.342
6015_6015	6015	6015	38.154	-7.372	-0.009	-0.033	0.26	-54.247
6015_6016	6015	6016	-47.347	20.701	0.009	0.033	-0.187	-51.569
6016_6016	6016	6016	16.948	19.749	-0.009	-0.014	0.302	101.885
6016_6017	6016	6017	-20.824	-1.024	0.009	0.014	-0.192	24.398
6017_6017	6017	6017	20.824	1.024	-0.009	-0.014	0.192	-24.398
6017_6018	6017	6018	-25.195	20.09	0.009	0.014	-0.067	-97.243
6018_6018	6018	6018	25.193	19.587	0.067	-0.011	0.067	97.189
6018_6019	6018	6019	-23.309	0.308	-0.067	0.011	-0.898	21.54
6019_6019	6019	6019	23.309	-0.308	0.067	-0.013	0.898	-21.54
6019_6020	6019	6020	-21.424	20.218	-0.067	0.013	-1.731	-108.414
6020_6020	6020	6020	21.366	20.886	-0.042	-0.005	1.731	108.372
6020_6021	6020	6021	-22.057	-5.745	0.042	0.005	-1.327	18.786
6021_6021	6021	6021	22.039	5.745	-0.042	-0.027	1.327	-18.765
6021_6022	6021	6022	-22.602	6.592	0.042	0.027	-1.004	15.959
6022_6022	6022	6022	22.602	-6.592	-0.042	-0.009	1.004	-15.959
6022_6023	6022	6023	-23.166	18.945	0.042	0.009	-0.676	-82.594
6023_6023	6023	6023	23.167	19.479	-0.096	-0.018	0.676	82.498
6023_6024	6023	6024	-23.11	-6.742	0.096	0.018	0.09	22.272
6024_6024	6024	6024	23.11	6.742	-0.096	0.01	-0.09	-22.272
6024_6025	6024	6025	-23.054	5.997	0.096	-0.01	0.861	25.185
6025_6025	6025	6025	23.053	-5.997	-0.096	-0.025	-0.861	-25.185
6025_6026	6025	6026	-22.997	18.75	0.096	0.025	1.627	-73.947
6026_6026	6026	6026	22.997	18.964	-0.016	-0.004	-1.627	73.839
6026_6027	6026	6027	-23.08	-9.42	0.016	0.004	1.721	11.254
6027_6027	6027	6027	23.08	9.42	-0.016	-0.005	-1.721	-11.254
6027_6028	6027	6028	-23.163	0.141	0.016	0.005	1.814	39.153
6028_6028	6028	6028	23.163	-0.141	-0.016	-0.005	-1.814	-39.153
6028_6029	6028	6029	-23.246	9.702	0.016	0.005	1.907	9.668
6029_6029	6029	6029	23.245	-9.702	-0.015	-0.021	-1.907	-9.668
6029_6030	6029	6030	-23.328	19.26	0.015	0.021	1.994	-77.18
6030_6030	6030	6030	23.33	18.366	0.056	0.002	-1.994	77.155
6030_6031	6030	6031	-23.575	-5.618	-0.056	-0.002	1.546	19.003
6031_6031	6031	6031	23.575	5.618	0.057	-0.019	-1.546	-19.003
6031_6032	6031	6032	-23.819	7.112	-0.057	0.019	1.093	13.214
6032_6032	6032	6032	23.819	-7.112	0.056	-0.004	-1.093	-13.214

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6032_6033	6032	6033	-24.064	19.86	-0.056	0.004	0.645	-94.537
6033_6033	6033	6033	24.066	18.883	0.056	-0.004	-0.645	94.541
6033_6034	6033	6034	-23.644	-6.542	-0.056	0.004	0.213	3.574
6034_6034	6034	6034	23.644	6.542	0.056	-0.005	-0.213	-3.574
6034_6035	6034	6035	-23.222	5.814	-0.056	0.005	-0.221	6.024
6035_6035	6035	6035	23.222	-5.814	0.056	-0.005	0.221	-6.024
6035_6036	6035	6036	-22.707	20.924	-0.056	0.005	-0.751	-121.247
6036_6036	6036	6036	22.743	20.768	-0.031	-0.011	0.751	121.232
6036_6037	6036	6037	-24.175	-0.842	0.031	0.011	-0.364	15.276
6037_6037	6037	6037	24.175	0.842	-0.031	0.003	0.364	-15.276
6037_6038	6037	6038	-25.606	19.07	0.031	-0.003	0.029	-97.314
6038_6038	6038	6038	25.608	14.574	-0.144	-0.009	-0.029	97.322
6038_6039	6038	6039	-17.328	6.528	0.144	0.009	1.939	-53.041
6039_6039	6039	6039	56.973	-3.812	0.026	0.01	-0.007	-10.099
6039_6040	6039	6040	-104.18	22.179	-0.026	-0.01	-0.3	-91.579
6040_6040	6040	6040	104.184	18.826	-0.014	0.026	0.3	91.672
6040_6041	6040	6041	-106.958	-5.939	0.014	-0.026	-0.186	13.918
6041_6041	6041	6041	106.959	5.939	-0.014	-0.011	0.186	-13.918
6041_6042	6041	6042	-112.198	18.405	0.014	0.011	0.029	-76.598
6042_6042	6042	6042	112.2	20.35	0.01	-0.029	-0.029	76.619
6042_6043	6042	6043	-103.038	-1.726	-0.01	0.029	-0.09	44.892
6043_6043	6043	6043	103.038	1.726	0.01	0.035	0.09	-44.892
6043_6044	6043	6044	-93.884	16.883	-0.01	-0.035	-0.209	-55.363
6044_6044	6044	6044	93.87	19.446	-0.003	0.003	0.209	55.469
6044_6045	6044	6045	-87.695	-0.822	0.003	-0.003	-0.178	58.618
6045_6045	6045	6045	87.695	0.822	-0.003	0.003	0.178	-58.618
6045_6046	6045	6046	-81.52	17.802	0.003	-0.003	-0.146	-49.221
6046_6046	6046	6046	81.519	19.075	0.001	-0.001	0.146	49.221
6046_6047	6046	6047	-74.832	-0.444	-0.001	0.001	-0.152	59.885
6047_6047	6047	6047	74.832	0.444	0.001	0.004	0.152	-59.885
6047_6048	6047	6048	-68.151	18.172	-0.001	-0.004	-0.159	-52.927
6048_6048	6048	6048	68.161	18.625	0.007	0.026	0.159	52.817
6048_6049	6048	6049	-60.629	-0.009	-0.007	-0.026	-0.246	49.887
6049_6049	6049	6049	60.628	0.009	0.007	-0.026	0.246	-49.887
6049_6050	6049	6050	-53.091	18.623	-0.007	0.026	-0.333	-69.352
6050_6050	6050	6050	53.111	17.888	-0.015	-0.002	0.333	69.133
6050_6051	6050	6051	-49.906	6.427	0.015	0.002	-0.101	17.083
6051_6051	6051	6051	49.852	-6.427	-0.015	0.005	0.101	-17.003
6051_6052	6051	6052	-48.152	19.329	0.015	-0.005	0.022	-90.872
6052_6052	6052	6052	48.151	19.547	-0.013	0.001	-0.022	90.764
6052_6053	6052	6053	-26.732	-1.189	0.013	-0.001	0.176	5.673
6053_6053	6053	6053	26.155	2.197	-0.02	0.002	-0.112	-5.542
6053_6054	6053	6054	-28.758	17.874	0.02	-0.002	0.381	-95.618
6054_6054	6054	6054	28.753	18.525	0.073	-0.003	-0.381	95.605
6054_6055	6054	6055	-28.99	0.413	-0.073	0.003	-0.528	18.275
6055_6055	6055	6055	28.991	-0.413	0.073	0.01	0.528	-18.275
6055_6056	6055	6056	-29.228	19.338	-0.073	-0.01	-1.437	-104.453
6056_6056	6056	6056	29.206	19.898	-0.065	0.003	1.437	104.444
6056_6057	6056	6057	-29.296	-5.5	0.065	-0.003	-0.815	16.183
6057_6057	6057	6057	29.277	5.5	-0.065	0.002	0.814	-16.162
6057_6058	6057	6058	-29.351	6.24	0.065	-0.002	-0.308	13.221
6058_6058	6058	6058	29.351	-6.24	-0.065	0.003	0.308	-13.221
6058_6059	6058	6059	-29.424	17.966	0.065	-0.003	0.198	-80.537

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6059_6059	6059	6059	29.423	18.882	-0.08	0.009	-0.198	80.614
6059_6060	6059	6060	-28.202	-6.751	0.08	-0.009	0.838	20.717
6060_6060	6060	6060	28.202	6.751	-0.08	-0.012	-0.838	-20.717
6060_6061	6060	6061	-26.983	5.364	0.08	0.012	1.477	24.953
6061_6061	6061	6061	26.983	-5.364	-0.08	0.015	-1.477	-24.952
6061_6062	6061	6062	-25.764	17.48	0.08	-0.015	2.116	-67.721
6062_6062	6062	6062	25.764	18.31	0.005	0.006	-2.116	67.659
6062_6063	6062	6063	-25.158	-9.231	-0.005	-0.006	2.088	14.202
6063_6063	6063	6063	25.158	9.231	0.005	0.005	-2.088	-14.202
6063_6064	6063	6064	-24.552	-0.137	-0.005	-0.005	2.061	41.643
6064_6064	6064	6064	24.552	0.137	0.005	0.005	-2.061	-41.643
6064_6065	6064	6065	-23.945	8.957	-0.005	-0.005	2.033	14.484
6065_6065	6065	6065	23.945	-8.957	0.005	0.006	-2.033	-14.484
6065_6066	6065	6066	-23.339	18.036	-0.005	-0.006	2.005	-67.096
6066_6066	6066	6066	23.338	17.985	0.095	0.005	-2.005	67.209
6066_6067	6066	6067	-22.156	-5.858	-0.095	-0.005	1.248	26.87
6067_6067	6067	6067	22.156	5.858	0.095	0.007	-1.248	-26.87
6067_6068	6067	6068	-20.977	6.254	-0.095	-0.007	0.492	23.922
6068_6068	6068	6068	20.977	-6.254	0.095	0.007	-0.492	-23.922
6068_6069	6068	6069	-19.797	18.365	-0.095	-0.007	-0.264	-75.875
6069_6069	6069	6069	19.799	17.738	0.047	0.003	0.264	75.999
6069_6070	6069	6070	-19.891	-5.991	-0.047	-0.003	-0.626	16.271
6070_6070	6070	6070	19.891	5.991	0.047	0.004	0.626	-16.271
6070_6071	6070	6071	-19.984	5.741	-0.047	-0.004	-0.987	17.495
6071_6071	6071	6071	19.962	-5.741	0.047	0.014	0.991	-17.476
6071_6072	6071	6072	-20.075	20.13	-0.047	-0.014	-1.433	-105.092
6072_6072	6072	6072	20.082	20.113	-0.024	0.007	1.433	105.098
6072_6073	6072	6073	-19.852	-1.178	0.024	-0.007	-1.135	27.347
6073_6073	6073	6073	19.852	1.178	-0.024	0.007	1.135	-27.347
6073_6074	6073	6074	-19.622	17.758	0.024	-0.007	-0.837	-76.926
6074_6074	6074	6074	19.624	14.525	-0.229	-0.004	0.837	76.976
6074_6075	6074	6075	-0.273	5.548	0.229	0.004	2.199	-38.598
6075_6075	6075	6075	45.052	-2.925	0.022	0.022	0.302	-33.226
6075_6076	6075	6076	-87.672	20.333	-0.022	-0.022	-0.56	-54.403
6076_6076	6076	6076	87.687	17.534	-0.025	-0.009	0.56	54.251
6076_6077	6076	6077	-85.26	-5.309	0.025	0.009	-0.352	37.338
6077_6077	6077	6077	85.185	5.309	-0.025	0.018	0.354	-37.211
6077_6078	6077	6078	-81.034	15.61	0.025	-0.018	0.004	-40.055
6078_6078	6078	6078	81.05	17.617	0.009	0.008	-0.004	39.928
6078_6079	6078	6079	-77.871	-1.03	-0.009	-0.008	-0.096	60.703
6079_6079	6079	6079	77.871	1.03	0.009	0.005	0.096	-60.703
6079_6080	6079	6080	-74.688	15.571	-0.009	-0.005	-0.195	-24.531
6080_6080	6080	6080	74.688	16.728	-0.002	0.003	0.195	24.545
6080_6081	6080	6081	-71.845	-0.13	0.002	-0.003	-0.169	66.534
6081_6081	6081	6081	71.845	0.13	-0.002	0.006	0.169	-66.534
6081_6082	6081	6082	-69.005	16.453	0.002	-0.006	-0.143	-28.172
6082_6082	6082	6082	68.965	18.015	0	0	0.143	28.501
6082_6083	6082	6083	-66.075	-0.172	0	0	-0.145	77.576
6083_6083	6083	6083	66.075	0.172	0	0.003	0.145	-77.576
6083_6084	6083	6084	-63.187	17.657	0	-0.003	-0.147	-31.083
6084_6084	6084	6084	63.185	16.686	-0.005	-0.001	0.147	31.096
6084_6085	6084	6085	-60.813	-0.092	0.005	0.001	-0.092	60.004
6085_6085	6085	6085	60.813	0.092	-0.005	-0.001	0.092	-60.004

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6085_6086	6085	6086	-58.441	16.502	0.005	0.001	-0.037	-34.77
6086_6086	6086	6086	58.462	16.211	0.01	-0.026	0.037	34.587
6086_6087	6086	6087	-54.86	0.383	-0.01	0.026	-0.147	49.699
6087_6087	6087	6087	54.86	-0.383	0.01	0.021	0.147	-49.699
6087_6088	6087	6088	-51.258	16.977	-0.01	-0.021	-0.257	-51.882
6088_6088	6088	6088	51.256	14.736	-0.019	-0.007	0.257	51.882
6088_6089	6088	6089	-53.685	5.383	0.019	0.007	-0.003	14.484
6089_6089	6089	6089	53.633	-5.383	-0.019	-0.004	0.004	-14.41
6089_6090	6089	6090	-55.109	17.615	0.019	0.004	0.151	-78.8
6090_6090	6090	6090	55.113	17.874	-0.001	-0.005	-0.151	78.664
6090_6091	6090	6091	-36.206	-0.468	0.001	0.005	0.168	6.019
6091_6091	6091	6091	36.027	1.353	0.007	-0.003	-0.252	-6.123
6091_6092	6091	6092	-40.338	17.983	-0.007	0.003	0.162	-99.524
6092_6092	6092	6092	40.327	18.106	0.02	0.002	-0.162	99.387
6092_6093	6092	6093	-39.664	0.132	-0.02	-0.002	-0.094	12.667
6093_6093	6093	6093	39.663	-0.132	0.02	-0.007	0.094	-12.667
6093_6094	6093	6094	-39	18.369	-0.02	0.007	-0.35	-103.202
6094_6094	6094	6094	38.99	19.111	-0.033	-0.004	0.35	103.198
6094_6095	6094	6095	-39.274	-5.24	0.033	0.004	-0.036	12.682
6095_6095	6095	6095	39.207	5.24	-0.033	-0.002	0.034	-12.598
6095_6096	6095	6096	-39.439	6.062	0.033	0.002	0.221	9.531
6096_6096	6096	6096	39.439	-6.062	-0.033	-0.003	-0.221	-9.531
6096_6097	6096	6097	-39.672	17.378	0.033	0.003	0.476	-81.236
6097_6097	6097	6097	39.672	18.026	0.018	0.003	-0.476	81.158
6097_6098	6097	6098	-38.976	-6.361	-0.018	-0.003	0.334	15.51
6098_6098	6098	6098	38.975	6.361	0.018	-0.015	-0.334	-15.51
6098_6099	6098	6099	-38.278	5.318	-0.018	0.015	0.19	18.875
6099_6099	6099	6099	38.278	-5.318	0.018	0.007	-0.19	-18.875
6099_6100	6099	6100	-37.581	16.984	-0.018	-0.007	0.048	-71.073
6100_6100	6100	6100	37.591	17.551	-0.004	-0.019	-0.048	71.2
6100_6101	6100	6101	-37.273	-8.791	0.004	0.019	0.073	7.467
6101_6101	6101	6101	37.273	8.791	-0.004	-0.027	-0.073	-7.467
6101_6102	6101	6102	-36.955	-0.031	0.004	0.027	0.097	33.548
6102_6102	6102	6102	36.955	0.031	-0.004	0.025	-0.097	-33.548
6102_6103	6102	6103	-36.637	8.729	0.004	-0.025	0.122	7.045
6103_6103	6103	6103	36.637	-8.729	-0.004	0.018	-0.122	-7.045
6103_6104	6103	6104	-36.319	17.474	0.004	-0.018	0.147	-71.863
6104_6104	6104	6104	36.32	17.178	-0.014	0.013	-0.147	71.867
6104_6105	6104	6105	-35.77	-5.499	0.014	-0.013	0.262	18.148
6105_6105	6105	6105	35.771	5.499	-0.014	-0.006	-0.262	-18.148
6105_6106	6105	6106	-35.221	6.18	0.014	0.006	0.378	14.687
6106_6106	6106	6106	35.221	-6.18	-0.014	-0.005	-0.378	-14.687
6106_6107	6106	6107	-34.673	17.845	0.014	0.005	0.493	-82.065
6107_6107	6107	6107	34.672	17.18	0.027	0.004	-0.493	82.083
6107_6108	6107	6108	-34.446	-5.866	-0.027	-0.004	0.283	7.161
6108_6108	6108	6108	34.446	5.866	0.027	0.004	-0.283	-7.161
6108_6109	6108	6109	-34.22	5.449	-0.027	-0.004	0.072	8.68
6109_6109	6109	6109	34.244	-5.449	0.027	-0.002	-0.073	-8.707
6109_6110	6109	6110	-33.967	19.303	-0.027	0.002	-0.185	-108.905
6110_6110	6110	6110	33.97	19.119	0.003	0.007	0.185	108.908
6110_6111	6110	6111	-34.718	-0.872	-0.003	-0.007	-0.224	16.386
6111_6111	6111	6111	34.718	0.872	0.003	-0.003	0.224	-16.386
6111_6112	6111	6112	-35.466	17.374	-0.003	0.003	-0.264	-86.468

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6112_6112	6112	6112	35.458	13.79	-0.112	0.004	0.264	86.382
6112_6113	6112	6113	-20.098	5.536	0.112	-0.004	1.215	-49.018
6113_6113	6113	6113	60.564	-3.257	0.006	0.003	0.148	-16.383
6113_6114	6113	6114	-101.667	20.37	-0.006	-0.003	-0.217	-74.614
6114_6114	6114	6114	101.676	17	-0.004	-0.007	0.217	74.627
6114_6115	6114	6115	-103.225	-4.986	0.004	0.007	-0.185	18.16
6115_6115	6115	6115	103.225	4.986	-0.004	0.012	0.185	-18.16
6115_6116	6115	6116	-105.873	15.547	0.004	-0.012	-0.131	-52.76
6116_6116	6116	6116	105.871	17.876	0	-0.026	0.131	52.775
6116_6117	6116	6117	-99.706	-1.566	0	0.026	-0.128	49.1
6117_6117	6117	6117	99.705	1.566	0	0.035	0.128	-49.1
6117_6118	6117	6118	-93.539	14.744	0	-0.035	-0.125	-31.728
6118_6118	6118	6118	93.572	16.818	-0.002	-0.032	0.125	31.499
6118_6119	6118	6119	-89.512	-0.51	0.002	0.032	-0.103	60.975
6119_6119	6119	6119	89.512	0.51	-0.002	0.038	0.103	-60.975
6119_6120	6119	6120	-85.455	15.784	0.002	-0.038	-0.082	-29.065
6120_6120	6120	6120	85.417	18.055	-0.002	-0.037	0.082	29.339
6120_6121	6120	6121	-80.452	-0.524	0.002	0.037	-0.056	76.839
6121_6121	6121	6121	80.452	0.524	-0.002	0.038	0.056	-76.839
6121_6122	6121	6122	-75.491	16.994	0.002	-0.038	-0.031	-27.912
6122_6122	6122	6122	75.49	16.674	-0.005	-0.033	0.031	27.911
6122_6123	6122	6123	-71.511	-0.367	0.005	0.033	0.022	62.949
6123_6123	6123	6123	71.512	0.367	-0.005	0.03	-0.022	-62.949
6123_6124	6123	6124	-67.533	15.941	0.005	-0.03	0.074	-28.847
6124_6124	6124	6124	67.532	16.208	0.006	-0.003	-0.074	28.856
6124_6125	6124	6125	-62.314	0.099	-0.006	0.003	0.009	55.242
6125_6125	6125	6125	62.314	-0.099	0.006	-0.003	-0.009	-55.242
6125_6126	6125	6126	-57.096	16.407	-0.006	0.003	-0.055	-43.313
6126_6126	6126	6126	57.093	14.505	-0.025	-0.011	0.055	43.312
6126_6127	6126	6127	-57.645	5.297	0.025	0.011	0.289	20.303
6127_6127	6127	6127	57.645	-5.297	-0.025	0.009	-0.289	-20.303
6127_6128	6127	6128	-57.98	17.309	0.025	-0.009	0.498	-72.339
6128_6128	6128	6128	57.983	17.8	0.039	-0.001	-0.498	72.175
6128_6129	6128	6129	-38.328	-0.692	-0.039	0.001	0.041	11.988
6129_6129	6129	6129	38.111	1.581	0.078	-0.007	-0.455	-11.86
6129_6130	6129	6130	-43.209	17.717	-0.078	0.007	-0.574	-89.723
6130_6130	6130	6130	43.199	17.338	-0.119	-0.005	0.574	89.612
6130_6131	6130	6131	-42.651	0.868	0.119	0.005	0.912	13.405
6131_6131	6131	6131	42.651	-0.868	-0.119	-0.005	-0.912	-13.405
6131_6132	6131	6132	-42.103	19.074	0.119	0.005	2.398	-111.154
6132_6132	6132	6132	41.066	18.378	0.191	0.003	-2.398	85.026
6132_6133	6132	6133	-40.918	-4.542	-0.191	-0.003	0.586	23.676
6133_6133	6133	6133	40.918	4.542	0.193	-0.014	-0.586	-23.676
6133_6134	6133	6134	-40.798	6.746	-0.193	0.014	-0.907	14.997
6134_6134	6134	6134	40.798	-6.746	0.19	0.002	0.907	-14.997
6134_6135	6134	6135	-40.678	18.034	-0.19	-0.002	-2.376	-81.161
6135_6135	6135	6135	40.716	18.356	-0.063	0.003	2.376	81.295
6135_6136	6135	6136	-39.938	-6.704	0.063	-0.003	-1.873	17.94
6136_6136	6136	6136	39.937	6.704	-0.06	-0.015	1.873	-17.94
6136_6137	6136	6137	-39.159	4.948	0.06	0.015	-1.393	23.955
6137_6137	6137	6137	39.16	-4.948	-0.063	0.01	1.393	-23.955
6137_6138	6137	6138	-38.381	16.601	0.063	-0.01	-0.89	-63.251
6138_6138	6138	6138	38.386	17.429	-0.021	-0.017	0.89	63.135

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6138_6139	6138	6139	-38.027	-8.69	0.021	0.017	-0.761	14.734
6139_6139	6139	6139	38.027	8.69	-0.017	-0.035	0.761	-14.734
6139_6140	6139	6140	-37.668	0.049	0.017	0.035	-0.657	40.167
6140_6140	6140	6140	37.668	-0.049	-0.021	0.025	0.657	-40.167
6140_6141	6140	6141	-37.309	8.788	0.021	-0.025	-0.528	13.163
6141_6141	6141	6141	37.309	-8.788	-0.021	0.025	0.528	-13.163
6141_6142	6141	6142	-36.95	17.527	0.021	-0.025	-0.399	-66.277
6142_6142	6142	6142	36.958	17.053	-0.041	0.009	0.399	66.172
6142_6143	6142	6143	-36.242	-5.401	0.041	-0.009	-0.074	22.636
6143_6143	6143	6143	36.242	5.401	-0.038	-0.014	0.074	-22.636
6143_6144	6143	6144	-35.525	6.251	0.038	0.014	0.226	18.224
6144_6144	6144	6144	35.525	-6.251	-0.041	0.003	-0.226	-18.224
6144_6145	6144	6145	-34.809	17.904	0.041	-0.003	0.55	-79.409
6145_6145	6145	6145	34.803	17.05	-0.001	0	-0.55	79.316
6145_6146	6145	6146	-35.105	-5.762	0.001	0	0.559	9.59
6146_6146	6146	6146	35.105	5.762	-0.004	0.005	-0.559	-9.59
6146_6147	6146	6147	-35.408	5.526	0.004	-0.005	0.593	11.011
6147_6147	6147	6147	35.488	-5.526	0	-0.004	-0.594	-11.101
6147_6148	6147	6148	-35.86	19.363	0	0.004	0.596	-106.501
6148_6148	6148	6148	35.862	19.368	0.023	0.007	-0.596	106.453
6148_6149	6148	6149	-35.915	-1.161	-0.023	-0.007	0.303	21.414
6149_6149	6149	6149	35.915	1.161	0.025	-0.006	-0.303	-21.414
6149_6150	6149	6150	-35.969	17.045	-0.025	0.006	-0.014	-78.307
6150_6150	6150	6150	35.958	13.091	-0.049	0.007	0.014	78.206
6150_6151	6150	6151	-16.42	6.208	0.049	-0.007	0.636	-55.141
6151_6151	6151	6151	66	-3.479	0	-0.006	-0.113	-25.327
6151_6152	6151	6152	-112.19	21.33	0	0.006	0.112	-67.845
6152_6152	6152	6152	112.193	17.23	0	0.016	-0.112	67.699
6152_6153	6152	6153	-114.273	-4.712	0	-0.016	0.111	25.33
6153_6153	6153	6153	114.465	4.712	0.001	-0.007	-0.112	-25.668
6153_6154	6153	6154	-117.943	16.177	-0.001	0.007	0.1	-48.768
6154_6154	6154	6154	117.944	18.373	0.002	0.002	-0.1	48.769
6154_6155	6154	6155	-110.808	-1.661	-0.002	-0.002	0.073	53.488
6155_6155	6155	6155	110.808	1.661	0.002	0.002	-0.073	-53.488
6155_6156	6155	6156	-103.673	15.05	-0.002	-0.002	0.046	-28.086
6156_6156	6156	6156	103.675	16.293	0.002	-0.033	-0.046	28.086
6156_6157	6156	6157	-99.096	-1.101	-0.002	0.033	0.025	53.869
6157_6157	6157	6157	99.096	1.101	0.001	0.035	-0.025	-53.869
6157_6158	6157	6158	-94.512	14.107	-0.001	-0.035	0.02	-16.249
6158_6158	6158	6158	94.539	15.013	0.002	0	-0.02	16.063
6158_6159	6158	6159	-90.158	0.179	-0.002	0	-0.003	53.307
6159_6159	6159	6159	90.158	-0.179	0.002	0	0.003	-53.307
6159_6160	6159	6160	-85.772	15.386	-0.002	0	-0.027	-29.408
6160_6160	6160	6160	85.774	16.431	0.001	-0.001	0.027	29.409
6160_6161	6160	6161	-79.475	0.281	-0.001	0.001	-0.04	52.317
6161_6161	6161	6161	79.475	-0.281	0.001	-0.001	0.04	-52.317
6161_6162	6161	6162	-73.176	16.992	-0.001	0.001	-0.053	-49.79
6162_6162	6162	6162	73.178	15.457	0.003	-0.006	0.053	49.79
6162_6163	6162	6163	-72.639	5.417	-0.003	0.006	-0.088	19.459
6163_6163	6163	6163	72.787	-5.417	0.002	0.006	0.089	-19.665
6163_6164	6163	6164	-72.467	17.95	-0.002	-0.006	-0.103	-76.565
6164_6164	6164	6164	72.457	18.751	0.002	0.001	0.103	76.689
6164_6165	6164	6165	-50.436	-0.9	-0.002	-0.001	-0.121	11.232

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6165_6165	6165	6165	50.177	1.764	-0.005	-0.003	0.162	-10.831
6165_6166	6165	6166	-54.258	18.902	0.005	0.003	-0.1	-97.986
6166_6166	6166	6166	54.261	19.161	-0.004	0.005	0.1	97.986
6166_6167	6166	6167	-54.076	0.336	0.004	-0.005	-0.049	19.861
6167_6167	6167	6167	54.075	-0.336	-0.003	-0.009	0.049	-19.861
6167_6168	6167	6168	-53.89	19.832	0.003	0.009	-0.018	-106.006
6168_6168	6168	6168	53.885	20.435	0	0.006	0.018	106.007
6168_6169	6168	6169	-54.472	-5.618	0	-0.006	-0.021	18.225
6169_6169	6169	6169	54.55	5.618	0.002	-0.005	0.022	-18.319
6169_6170	6169	6170	-55.029	6.47	-0.002	0.005	-0.034	15.405
6170_6170	6170	6170	55.029	-6.47	0.002	-0.005	0.034	-15.405
6170_6171	6170	6171	-55.508	18.558	-0.002	0.005	-0.046	-81.191
6171_6171	6171	6171	55.492	19.491	-0.002	0.006	0.046	81.093
6171_6172	6171	6172	-54.349	-7.013	0.002	-0.006	-0.029	23.681
6172_6172	6172	6172	54.349	7.013	0	-0.02	0.029	-23.681
6172_6173	6172	6173	-53.207	5.464	0	0.02	-0.031	28.629
6173_6173	6173	6173	53.207	-5.464	-0.002	0.012	0.031	-28.629
6173_6174	6173	6174	-52.064	17.942	0.002	-0.012	-0.015	-66.249
6174_6174	6174	6174	52.071	18.793	-0.001	0	0.015	66.151
6174_6175	6174	6175	-51.589	-9.435	0.001	0	-0.011	17.985
6175_6175	6175	6175	51.589	9.435	-0.001	0	0.011	-17.985
6175_6176	6175	6176	-51.107	-0.077	0.001	0	-0.007	45.969
6176_6176	6176	6176	51.107	0.077	-0.001	0	0.007	-45.969
6176_6177	6176	6177	-50.625	9.282	0.001	0	-0.004	17.801
6177_6177	6177	6177	50.625	-9.282	-0.001	0	0.004	-17.801
6177_6178	6177	6178	-50.142	18.64	0.001	0	0	-66.519
6178_6178	6178	6178	50.149	18.291	0	-0.012	0	66.42
6178_6179	6178	6179	-49.315	-5.813	0	0.012	-0.001	28.984
6179_6179	6179	6179	49.314	5.813	-0.002	0.018	0.001	-28.984
6179_6180	6179	6180	-48.48	6.664	0.002	-0.018	0.016	24.564
6180_6180	6180	6180	48.48	-6.664	0	-0.006	-0.016	-24.564
6180_6181	6180	6181	-47.646	19.142	0	0.006	0.015	-79.682
6181_6181	6181	6181	47.632	18.25	0	0.007	-0.015	79.586
6181_6182	6181	6182	-47.683	-6.162	0	-0.007	0.013	15.225
6182_6182	6182	6182	47.682	6.162	0.003	-0.006	-0.013	-15.225
6182_6183	6182	6183	-47.732	5.926	-0.003	0.006	-0.007	16.35
6183_6183	6183	6183	47.839	-5.926	0.001	0.001	0.007	-16.466
6183_6184	6183	6184	-47.901	20.743	-0.001	-0.001	-0.021	-109.958
6184_6184	6184	6184	47.877	20.637	-0.01	0.002	0.021	109.855
6184_6185	6184	6185	-47.831	-1.14	0.01	-0.002	0.103	25.819
6185_6185	6185	6185	47.831	1.14	-0.01	0.002	-0.103	-25.819
6185_6186	6185	6186	-47.785	18.341	0.01	-0.002	0.227	-82.036
6186_6186	6186	6186	47.802	15.04	0.015	-0.004	-0.227	82.142
6186_6187	6186	6187	-30.292	5.626	-0.015	0.004	0.03	-39.762
6187_6187	6187	6187	75.53	-3.258	0	0.007	0.007	-34.203
6187_6188	6187	6188	-121.396	22.375	0	-0.007	-0.012	-61.04
6188_6188	6188	6188	121.392	19.12	-0.001	-0.052	0.012	61.181
6188_6189	6188	6189	-118.041	-5.697	0.001	0.052	-0.002	37.451
6189_6189	6189	6189	119.364	5.688	-0.003	0.034	0	-36.154
6189_6190	6189	6190	-113.732	16.683	0.003	-0.034	0.04	-45.566
6190_6190	6190	6190	113.733	19.279	0.002	0.001	-0.04	45.567
6190_6191	6190	6191	-108.361	-1.382	-0.002	-0.001	0.017	61.553
6191_6191	6191	6191	108.361	1.382	0.002	0.001	-0.017	-61.553

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6191_6192	6191	6192	-102.99	16.514	-0.002	-0.001	-0.006	-28.192
6192_6192	6192	6192	102.992	17.279	0	0.001	0.006	28.193
6192_6193	6192	6193	-98.668	-1.01	0	-0.001	-0.007	58.075
6193_6193	6193	6193	98.668	1.01	0	0	0.007	-58.075
6193_6194	6193	6194	-94.339	15.275	0	0	-0.008	-18.512
6194_6194	6194	6194	94.341	15.981	0.003	-0.001	0.008	18.514
6194_6195	6194	6195	-90.318	0.304	-0.003	0.001	-0.039	55.107
6195_6195	6195	6195	90.318	-0.304	0.003	-0.001	0.039	-55.107
6195_6196	6195	6196	-86.295	16.59	-0.003	0.001	-0.071	-34.295
6196_6196	6196	6196	86.303	17.535	-0.002	-0.002	0.071	34.296
6196_6197	6196	6197	-80.409	0.361	0.002	0.002	-0.046	53.054
6197_6197	6197	6197	80.409	-0.361	-0.002	-0.002	0.046	-53.054
6197_6198	6197	6198	-74.515	18.257	0.002	0.002	-0.021	-56.46
6198_6198	6198	6198	74.517	16.513	0.001	0.01	0.021	56.462
6198_6199	6198	6199	-75.523	5.841	-0.001	-0.01	-0.036	18.268
6199_6199	6199	6199	75.628	-5.841	0.003	-0.023	0.038	-18.407
6199_6200	6199	6200	-76.234	19.263	-0.003	0.023	-0.062	-84.301
6200_6200	6200	6200	76.234	20.221	-0.005	-0.002	0.062	84.303
6200_6201	6200	6201	-52.398	-1.104	0.005	0.002	-0.007	11.701
6201_6201	6201	6201	53.109	2.063	-0.02	-0.002	0.14	-12.957
6201_6202	6201	6202	-57.479	20.337	0.02	0.002	0.125	-103.339
6202_6202	6202	6202	57.481	20.643	0.03	-0.001	-0.125	103.338
6202_6203	6202	6203	-57.455	0.488	-0.03	0.001	-0.255	23.19
6203_6203	6203	6203	57.455	-0.488	0.03	-0.001	0.255	-23.19
6203_6204	6203	6204	-57.428	21.62	-0.03	0.001	-0.635	-114.434
6204_6204	6204	6204	57.423	22.122	-0.021	0.001	0.635	114.436
6204_6205	6204	6205	-58.141	-6.062	0.021	-0.001	-0.436	19.973
6205_6205	6205	6205	58.31	6.062	-0.02	-0.011	0.444	-20.154
6205_6206	6205	6206	-58.894	7.039	0.02	0.011	-0.289	16.8
6206_6206	6206	6206	58.894	-7.039	-0.022	0.008	0.289	-16.8
6206_6207	6206	6207	-59.478	20.141	0.022	-0.008	-0.118	-88.095
6207_6207	6207	6207	59.479	20.94	-0.036	-0.007	0.118	88.093
6207_6208	6207	6208	-58.556	-7.416	0.036	0.007	0.17	24.26
6208_6208	6208	6208	58.556	7.416	-0.038	0.02	-0.17	-24.26
6208_6209	6208	6209	-57.634	6.108	0.038	-0.02	0.473	28.417
6209_6209	6209	6209	57.633	-6.108	-0.036	-0.012	-0.473	-28.417
6209_6210	6209	6210	-56.711	19.633	0.036	0.012	0.762	-75.622
6210_6210	6210	6210	56.71	20.365	-0.008	0.002	-0.762	75.623
6210_6211	6210	6211	-56.336	-10.222	0.008	-0.002	0.807	15.659
6211_6211	6211	6211	56.336	10.222	-0.008	0.002	-0.807	-15.659
6211_6212	6211	6212	-55.961	-0.078	0.008	-0.002	0.853	46.079
6212_6212	6212	6212	55.961	0.078	-0.008	0.002	-0.853	-46.079
6212_6213	6212	6213	-55.587	10.065	0.008	-0.002	0.898	15.639
6213_6213	6213	6213	55.587	-10.065	-0.008	0.002	-0.898	-15.639
6213_6214	6213	6214	-55.213	20.208	0.008	-0.002	0.944	-75.663
6214_6214	6214	6214	55.211	19.956	0.028	0.003	-0.944	75.66
6214_6215	6214	6215	-54.537	-6.432	-0.028	-0.003	0.722	28.936
6215_6215	6215	6215	54.537	6.432	0.028	0.003	-0.722	-28.936
6215_6216	6215	6216	-53.864	7.092	-0.028	-0.003	0.5	25.338
6216_6216	6216	6216	53.864	-7.092	0.028	0.003	-0.5	-25.338
6216_6217	6216	6217	-53.19	20.616	-0.028	-0.003	0.278	-86.455
6217_6217	6217	6217	53.197	19.815	0.018	0.016	-0.278	86.45
6217_6218	6217	6218	-53.04	-6.714	-0.018	-0.016	0.138	16.433

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6218_6218	6218	6218	53.039	6.714	0.02	0.001	-0.138	-16.433
6218_6219	6218	6219	-52.882	6.388	-0.02	-0.001	-0.018	17.776
6219_6219	6219	6219	52.927	-6.388	0.02	0	0.017	-17.819
6219_6220	6219	6220	-52.735	22.431	-0.02	0	-0.21	-118.828
6220_6220	6220	6220	52.686	22.431	0.055	0.003	0.21	118.832
6220_6221	6220	6221	-52.458	-1.298	-0.055	-0.003	-0.895	28.58
6221_6221	6221	6221	52.458	1.298	0.055	0.003	0.895	-28.58
6221_6222	6221	6222	-52.23	19.835	-0.055	-0.003	-1.579	-88.205
6222_6222	6222	6222	52.217	16.747	-0.484	-0.005	1.579	88.195
6222_6223	6222	6223	-36.251	5.654	0.484	0.005	4.83	-33.4
6223_6223	6223	6223	75.792	-3.315	0.006	0.016	-0.181	-30.081
6223_6224	6223	6224	-121.71	24.021	-0.006	-0.016	0.109	-76.72
6224_6224	6224	6224	121.742	21.459	0.018	0.041	-0.109	76.591
6224_6225	6224	6225	-118.634	-6.934	-0.018	-0.041	-0.042	37.17
6225_6225	6225	6225	118.856	6.933	0.019	-0.017	0.042	-37.543
6225_6226	6225	6226	-113.123	19.86	-0.019	0.017	-0.326	-66.763
6226_6226	6226	6226	113.116	21.743	-0.004	0.26	0.326	66.869
6226_6227	6226	6227	-108.192	-1.067	0.004	-0.26	-0.283	61.274
6227_6227	6227	6227	108.19	1.067	0	-0.256	0.283	-61.275
6227_6228	6227	6228	-103.265	19.613	0	0.256	-0.287	-53.259
6228_6228	6228	6228	103.259	20.855	0.018	0.03	0.287	53.214
6228_6229	6228	6229	-99.49	-0.188	-0.018	-0.03	-0.492	65.915
6229_6229	6229	6229	99.49	0.188	0.018	-0.033	0.492	-65.915
6229_6230	6229	6230	-95.718	20.498	-0.018	0.033	-0.704	-57.6
6230_6230	6230	6230	95.783	21.249	-0.022	0.295	0.704	57.466
6230_6231	6230	6231	-90.637	0.159	0.022	-0.295	-0.433	64.745
6231_6231	6231	6231	90.623	-0.159	-0.017	-0.298	0.433	-64.744
6231_6232	6231	6232	-85.475	21.576	0.017	0.298	-0.22	-73.263
6232_6232	6232	6232	85.409	21.156	0.037	-0.017	0.22	73.349
6232_6233	6232	6233	-82.745	0.919	-0.037	0.017	-0.69	50.361
6233_6233	6233	6233	83.025	-0.92	0.035	-0.001	0.681	-50.71
6233_6234	6233	6234	-80.658	20.506	-0.035	0.001	-1.071	-71.094
6234_6234	6234	6234	84.705	19.176	-0.092	0.058	1.071	67.977
6234_6235	6234	6235	-65.604	-1.23	0.092	-0.058	-0.137	12.016
6235_6235	6235	6235	62.805	2.135	-0.292	-0.066	1.98	-7.596
6235_6236	6235	6236	-66.371	16.447	0.292	0.066	0.917	-59.772
6236_6236	6236	6236	66.181	16.889	0.23	0.009	-0.917	59.915
6236_6237	6236	6237	-65.887	1.109	-0.23	-0.009	-1.291	16.611
6237_6237	6237	6237	65.889	-1.109	0.23	-0.006	1.291	-16.611
6237_6238	6237	6238	-65.567	20.76	-0.23	0.006	-3.705	-97.379
6238_6238	6238	6238	65.727	23.583	-0.172	0.135	3.705	97.488
6238_6239	6238	6239	-67.12	-0.103	0.172	-0.135	-1.548	51.709
6239_6239	6239	6239	67.305	0.104	-0.171	-0.152	1.548	-51.902
6239_6240	6239	6240	-68.627	22.297	0.171	0.152	0.492	-80.176
6240_6240	6240	6240	68.566	20.462	-0.07	0.028	-0.492	80.15
6240_6241	6240	6241	-67.238	-1.768	0.07	-0.028	1.191	29.572
6241_6241	6241	6241	67.238	1.768	-0.069	-0.024	-1.191	-29.572
6241_6242	6241	6242	-65.957	16.271	0.069	0.024	1.86	-41.477
6242_6242	6242	6242	65.95	17.827	-0.066	0.007	-1.86	41.539
6242_6243	6242	6243	-65.331	1.356	0.066	-0.007	2.54	42.048
6243_6243	6243	6243	65.331	-1.356	-0.066	0.004	-2.54	-42.048
6243_6244	6243	6244	-64.765	18.924	0.066	-0.004	3.162	-53.799
6244_6244	6244	6244	64.75	19.026	0.091	0.178	-3.162	53.78

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6244_6245	6244	6245	-64.256	-1.525	-0.091	-0.178	2.31	41.562
6245_6245	6245	6245	64.255	1.525	0.094	-0.148	-2.31	-41.562
6245_6246	6245	6246	-63.712	17.721	-0.094	0.148	1.348	-42.43
6246_6246	6246	6246	63.695	16.085	-0.198	-0.001	-1.348	42.451
6246_6247	6246	6247	-62.958	2.729	0.198	0.001	3.333	23.64
6247_6247	6247	6247	62.958	-2.729	-0.198	0.008	-3.333	-23.64
6247_6248	6247	6248	-62.255	20.657	0.198	-0.008	5.226	-89.269
6248_6248	6248	6248	62.27	22.305	0.458	0.265	-5.226	89.334
6248_6249	6248	6249	-62.858	2.546	-0.458	-0.265	-0.858	42.511
6249_6249	6249	6249	62.95	-2.546	0.463	-0.301	0.857	-42.6
6249_6250	6249	6250	-63.448	23.572	-0.463	0.301	-6.056	-103.413
6250_6250	6250	6250	63.495	21.893	-0.301	-0.005	6.056	103.431
6250_6251	6250	6251	-62.844	0.659	0.301	0.005	-2.431	23.317
6251_6251	6251	6251	62.844	-0.659	-0.301	0.011	2.431	-23.317
6251_6252	6251	6252	-62.327	18.594	0.301	-0.011	0.454	-69.775
6252_6252	6252	6252	62.328	18.186	0.059	-0.015	-0.454	69.748
6252_6253	6252	6253	-49.274	3.389	-0.059	0.015	-0.221	0.167
6253_6253	6253	6253	49.272	-3.389	0.06	0.032	0.221	-0.168
6253_6254	6253	6254	-37.83	22.298	-0.06	-0.032	-0.823	-142.957
6254_6254	6254	6254	95.027	19.923	-0.024	0.003	0.599	50.038
6254_6255	6254	6255	-117.254	2.205	0.024	-0.003	-0.334	76.361
6255_6255	6255	6255	117.35	-2.202	-0.024	0.013	0.333	-76.514
6255_6256	6255	6256	-143.774	28.491	0.024	-0.013	-0.018	-95.304
6256_6256	6256	6256	143.773	23.785	0.022	0.278	0.018	95.342
6256_6257	6256	6257	-144.927	-1.059	-0.022	-0.278	-0.274	48.989
6257_6257	6257	6257	144.933	1.059	0.022	-0.26	0.274	-48.985
6257_6258	6257	6258	-146.092	21.768	-0.022	0.26	-0.531	-69.116
6258_6258	6258	6258	146.087	21.66	0.004	0.026	0.531	69.311
6258_6259	6258	6259	-151.968	1.459	-0.004	-0.026	-0.58	55.938
6259_6259	6259	6259	151.968	-1.459	0.004	-0.022	0.58	-55.937
6259_6260	6259	6260	-157.677	23.902	-0.004	0.022	-0.627	-81.189
6260_6260	6260	6260	157.675	20.904	0.007	0.339	0.627	81.368
6260_6261	6260	6261	-165.387	1.824	-0.007	-0.339	-0.714	37.598
6261_6261	6261	6261	165.398	-1.824	0.007	-0.353	0.714	-37.59
6261_6262	6261	6262	-173.148	24.664	-0.007	0.353	-0.8	-106.177
6262_6262	6262	6262	173.18	23.361	-0.003	-0.042	0.8	106.03
6262_6263	6262	6263	-166.597	-0.999	0.003	0.042	-0.766	23.944
6263_6263	6263	6263	166.789	0.997	-0.002	-0.003	0.786	-24.321
6263_6264	6263	6264	-159.384	24.14	0.002	0.003	-0.756	-131.685
6264_6264	6264	6264	159.409	26.704	-0.013	0.005	0.756	131.808
6264_6265	6264	6265	-138.364	-0.594	0.013	-0.005	-0.585	23.666
6265_6265	6265	6265	138.365	0.594	-0.013	-0.061	0.585	-23.665
6265_6266	6265	6266	-120.041	22.14	0.013	0.061	-0.437	-121.892
6266_6266	6266	6266	120.089	23.631	0.062	0.005	0.437	121.865
6266_6267	6266	6267	-114.244	-2.63	-0.062	-0.005	-1.095	9.449
6267_6267	6267	6267	114.25	2.63	0.062	-0.047	1.095	-9.451
6267_6268	6267	6268	-109.535	14.31	-0.062	0.047	-1.627	-47.242
6268_6268	6268	6268	64.475	21.459	-0.201	-0.016	2.441	121.118
6268_6269	6268	6269	-78.88	3.941	0.201	0.016	0.102	6.011
6269_6269	6269	6269	78.908	-3.94	-0.201	-0.014	-0.101	-6.043
6269_6270	6269	6270	-91.315	25.814	0.201	0.014	2.292	-141.984
6270_6270	6270	6270	91.312	34.117	0.096	0.44	-2.292	141.915
6270_6271	6270	6271	-56.446	-10.685	-0.096	-0.44	1.176	81.968

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6271_6271	6271	6271	56.445	10.685	0.096	-0.431	-1.176	-81.97
6271_6272	6271	6272	-19.712	14.002	-0.096	0.431	0	22.007
6372_6372	6372	6372	17.854	10.274	-0.23	0.007	0	-23.951
6372_6373	6372	6373	-50.998	8.226	0.23	-0.007	2.85	73.135
6373_6373	6373	6373	50.998	-8.226	-0.23	-0.013	-2.85	-73.135
6373_6374	6373	6374	-82.1	25.586	0.23	0.013	5.523	-89.023
6374_6374	6374	6374	82.113	19.079	0.334	-0.005	-5.523	89.018
6374_6375	6374	6375	-72.618	-2.526	-0.334	0.005	1.822	20.088
6375_6375	6375	6375	72.618	2.526	0.334	0.011	-1.822	-20.087
6375_6376	6375	6376	-64.084	12.352	-0.334	-0.011	-1.506	-38.338
6376_6376	6376	6376	64.085	14.063	0.009	0.145	1.506	38.324
6376_6377	6376	6377	-66.361	3.449	-0.009	-0.145	-1.615	26.085
6377_6377	6377	6377	66.358	-3.449	0.009	-0.124	1.615	-26.087
6377_6378	6377	6378	-68.566	20.44	-0.009	0.124	-1.721	-107.584
6378_6378	6378	6378	68.473	19.513	-0.064	-0.017	1.715	106.419
6378_6379	6378	6379	-67.67	0.094	0.064	0.017	-0.875	20.308
6379_6379	6379	6379	67.67	-0.094	-0.064	-0.021	0.875	-20.308
6379_6380	6379	6380	-67.015	16.07	0.064	0.021	-0.19	-66.669
6380_6380	6380	6380	67.013	15.76	-0.073	0.028	0.19	66.532
6380_6381	6380	6381	-65.461	0.351	0.073	-0.028	0.597	14.422
6381_6381	6381	6381	65.459	-0.351	-0.071	-0.038	-0.597	-14.423
6381_6382	6381	6382	-64.066	14.804	0.071	0.038	1.287	-60.782
6382_6382	6382	6382	64.053	17.872	0.05	0.001	-1.287	61.3
6382_6383	6382	6383	-58.631	-0.726	-0.05	-0.001	0.714	39.167
6383_6383	6383	6383	58.631	0.726	0.05	0.016	-0.714	-39.167
6383_6384	6383	6384	-53.176	16.526	-0.05	-0.016	0.139	-58.333
6384_6384	6384	6384	71.603	17.368	-0.015	0	0.223	28.386
6384_6385	6384	6385	-61.76	-1.122	0.015	0	-0.061	60.678
6385_6385	6385	6385	61.761	1.122	-0.015	0.033	0.061	-60.678
6385_6386	6385	6386	-51.395	15.986	0.015	-0.033	0.112	-38.083
6386_6386	6386	6386	51.398	17.97	0.009	0.283	-0.112	38.049
6386_6387	6386	6387	-54.405	-0.908	-0.009	-0.283	0.003	74.567
6387_6387	6387	6387	54.402	0.908	0.011	-0.219	-0.003	-74.569
6387_6388	6387	6388	-57.659	17.573	-0.011	0.219	-0.136	-25.101
6388_6388	6388	6388	57.662	17.922	-0.007	-0.001	0.136	25.196
6388_6389	6388	6389	-58.583	0.454	0.007	0.001	-0.044	84.338
6389_6389	6389	6389	58.583	-0.454	-0.008	0.052	0.044	-84.338
6389_6390	6389	6390	-59.443	17.608	0.008	-0.052	0.043	-19.074
6390_6390	6390	6390	59.445	17.688	0.026	0.28	-0.043	19.109
6390_6391	6390	6391	-60.794	1.481	-0.026	-0.28	-0.289	87.454
6391_6391	6391	6391	60.792	-1.481	0.027	-0.278	0.289	-87.456
6391_6392	6391	6392	-61.943	17.84	-0.027	0.278	-0.588	-17.728
6392_6392	6392	6392	61.943	17.327	-0.054	0.034	0.588	17.761
6392_6393	6392	6393	-63.413	0.3	0.054	-0.034	0.057	85.287
6393_6393	6393	6393	63.413	-0.3	-0.054	0.007	-0.057	-85.287
6393_6394	6393	6394	-64.905	18.205	0.054	-0.007	0.712	-24.719
6394_6394	6394	6394	64.912	17.423	0.18	0.313	-0.712	24.255
6394_6395	6394	6395	-65.204	0.169	-0.18	-0.313	-1.426	78.591
6395_6395	6395	6395	65.205	-0.169	0.182	-0.277	1.426	-78.593
6395_6396	6395	6396	-65.503	18.091	-0.182	0.277	-3.625	-31.404
6396_6396	6396	6396	65.489	15.777	-0.619	0.03	3.625	31.466
6396_6397	6396	6397	-72.926	2.065	0.619	-0.03	3.831	59.661
6397_6397	6397	6397	72.925	-2.065	-0.619	-0.014	-3.831	-59.661

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6397_6398	6397	6398	-80.292	19.742	0.619	0.014	11.217	-61.926
6398_6398	6398	6398	80.283	22.636	0.558	0.547	-11.217	61.976
6398_6399	6398	6399	-41.536	-4.022	-0.558	-0.547	4.206	61.89
6399_6399	6399	6399	41.536	4.022	0.564	-0.889	-4.206	-61.895
6399_6400	6399	6400	-18.55	7.021	-0.564	0.889	0	24.873
6572_6572	6572	6572	17.859	10.199	-0.128	0.003	0	-24.002
6572_6573	6572	6573	-51.273	8.309	0.128	-0.003	1.587	72.492
6573_6573	6573	6573	51.273	-8.309	-0.128	-0.003	-1.587	-72.492
6573_6574	6573	6574	-82.407	25.554	0.128	0.003	3.066	-88.651
6574_6574	6574	6574	82.416	19.168	0.023	-0.001	-3.066	88.611
6574_6575	6574	6575	-72.443	-2.899	-0.023	0.001	2.814	20.488
6575_6575	6575	6575	72.443	2.899	0.023	0	-2.814	-20.488
6575_6576	6575	6576	-63.43	11.803	-0.023	0	2.586	-33.293
6576_6576	6576	6576	63.421	13.521	0.286	0.135	-2.586	33.244
6576_6577	6576	6577	-66.738	4.164	-0.286	-0.135	-0.797	25.421
6577_6577	6577	6577	66.741	-4.164	0.286	-0.149	0.797	-25.422
6577_6578	6577	6578	-69.958	21.316	-0.286	0.149	-4.078	-117.623
6578_6578	6578	6578	70.381	20.439	-0.198	0.004	4.072	119.205
6578_6579	6578	6579	-68.463	-1.192	0.198	-0.004	-1.515	18.254
6579_6579	6579	6579	68.463	1.192	-0.199	-0.003	1.515	-18.254
6579_6580	6579	6580	-66.848	15.019	0.199	0.003	0.639	-58.321
6580_6580	6580	6580	66.856	15.526	0.002	0.057	-0.639	58.461
6580_6581	6580	6581	-65.203	0.348	-0.002	-0.057	0.616	19.934
6581_6581	6581	6581	65.202	-0.348	0	-0.056	-0.616	-19.934
6581_6582	6581	6582	-63.681	14.963	0	0.056	0.612	-57.004
6582_6582	6582	6582	63.706	17.575	0.004	0.034	-0.612	56.679
6582_6583	6582	6583	-59.571	-0.838	-0.004	-0.034	0.572	41.805
6583_6583	6583	6583	59.571	0.838	0.003	-0.002	-0.572	-41.805
6583_6584	6583	6584	-55.254	16.638	-0.003	0.002	0.534	-55.431
6584_6584	6584	6584	73.337	17.484	0.014	0.022	-0.296	26.383
6584_6585	6584	6585	-62.339	-1.461	-0.014	-0.022	0.145	62.33
6585_6585	6585	6585	62.339	1.461	0.014	0.02	-0.145	-62.33
6585_6586	6585	6586	-50.507	15.776	-0.014	-0.02	-0.018	-35.682
6586_6586	6586	6586	50.519	17.811	0.004	0.237	0.018	35.856
6586_6587	6586	6587	-54	-0.951	-0.004	-0.237	-0.058	75.39
6587_6587	6587	6587	53.999	0.951	0.002	-0.167	0.058	-75.392
6587_6588	6587	6588	-57.835	17.626	-0.002	0.167	-0.085	-24.18
6588_6588	6588	6588	57.826	17.776	0.003	0.008	0.085	23.729
6588_6589	6588	6589	-58.78	0.424	-0.003	-0.008	-0.128	84.107
6589_6589	6589	6589	58.78	-0.424	0.004	0.043	0.128	-84.107
6589_6590	6589	6590	-59.682	17.646	-0.004	-0.043	-0.169	-19.699
6590_6590	6590	6590	59.688	17.597	-0.004	0.293	0.169	19.298
6590_6591	6590	6591	-61.113	1.458	0.004	-0.293	-0.122	86.25
6591_6591	6591	6591	61.11	-1.458	-0.005	-0.294	0.122	-86.252
6591_6592	6591	6592	-62.333	17.81	0.005	0.294	-0.065	-18.534
6592_6592	6592	6592	62.332	17.356	0.043	0.024	0.065	19.251
6592_6593	6592	6593	-63.796	0.035	-0.043	-0.024	-0.569	84.144
6593_6593	6593	6593	63.796	-0.035	0.043	0.009	0.569	-84.144
6593_6594	6593	6594	-65.314	18.069	-0.043	-0.009	-1.091	-24.207
6594_6594	6594	6594	65.315	17.087	-0.169	0.268	1.091	24.209
6594_6595	6594	6595	-65.929	0.513	0.169	-0.268	0.92	74.989
6595_6595	6595	6595	65.925	-0.513	-0.171	-0.245	-0.92	-74.991
6595_6596	6595	6596	-66.546	18.317	0.171	0.245	2.972	-37.348

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6596_6596	6596	6596	66.555	16.607	0.676	-0.009	-2.972	37.556
6596_6597	6596	6597	-73.221	1.2	-0.676	0.009	-5.146	62.542
6597_6597	6597	6597	73.221	-1.2	0.676	0.014	5.146	-62.542
6597_6598	6597	6598	-79.811	18.805	-0.676	-0.014	-13.174	-48.87
6598_6598	6598	6598	79.812	20.862	-0.788	0.013	13.174	48.852
6598_6599	6598	6599	-34.154	-2.301	0.788	-0.013	-3.306	45.154
6599_6599	6599	6599	34.151	2.301	-0.788	-0.041	3.306	-45.155
6599_6600	6599	6600	-18.861	3.915	0.788	0.041	0	24.666
7000_7000	7000	7000	62.55	449.74	2.995	3.121	0	-347.775
7000_7001	7000	7001	-53.749	-419.103	-2.995	-3.121	-31.465	4871.669
7001_7001	7001	7001	53.749	419.103	2.995	3.143	31.465	-4871.67
7001_7002	7001	7002	-45.877	-391.703	-2.995	-3.143	-59.605	8644.872
7002_7002	7002	7002	45.842	335.098	-2.665	8.337	59.605	-8644.86
7002_7003	7002	7003	-39.437	-299.791	2.665	-8.337	-27.337	12459.56
7003_7003	7003	7003	39.433	299.791	-2.665	-2.758	27.337	-12459.6
7003_7004	7003	7004	-33.024	-264.46	2.665	2.758	4.958	15849.02
7004_7004	7004	7004	33.041	219.825	-0.085	17.351	-4.958	-15849.1
7004_7005	7004	7005	-27.176	-184.526	0.085	-17.351	5.984	18270.06
7005_7005	7005	7005	27.176	184.526	-0.085	-13.527	-5.984	-18270.1
7005_7006	7005	7006	-21.307	-149.207	0.085	13.527	7.017	20264.78
7006_7006	7006	7006	21.308	106.691	0.974	18.843	-7.017	-20264.9
7006_7007	7006	7007	-17.575	-71.375	-0.974	-18.843	-4.784	21326.67
7007_7007	7007	7007	17.577	71.375	0.974	-17.209	4.784	-21326.7
7007_7008	7007	7008	-13.842	-36.038	-0.974	17.209	-16.586	21960.99
7008_7008	7008	7008	13.838	-6.021	-0.356	18.068	16.586	-21961.1
7008_7009	7008	7009	-12.672	41.326	0.356	-18.068	-12.271	21669.88
7009_7009	7009	7009	12.671	-41.326	-0.357	-18.501	12.271	-21669.9
7009_7010	7009	7010	-11.505	76.652	0.357	18.501	-7.947	20950.64
7010_7010	7010	7010	11.512	-117.696	0.694	14.118	7.947	-20950.9
7010_7011	7010	7011	-12.794	153.019	-0.694	-14.118	-16.352	19317.94
7011_7011	7011	7011	12.795	-153.019	0.693	-16.419	16.352	-19317.9
7011_7012	7011	7012	-14.076	188.334	-0.693	16.419	-24.75	17257.62
7012_7012	7012	7012	14.075	-230.347	0.542	9.998	24.75	-17257.7
7012_7013	7012	7013	-17.83	265.659	-0.542	-9.998	-31.311	14272.74
7013_7013	7013	7013	17.83	-265.659	0.541	-13.666	31.311	-14272.7
7013_7014	7013	7014	-21.587	300.993	-0.541	13.666	-37.87	10857.86
7014_7014	7014	7014	21.591	-344.315	0.236	1.544	37.87	-10858
7014_7015	7014	7015	-25.838	390.511	-0.236	-1.544	-41.602	5058.096
7015_7015	7015	7015	24.497	-389.419	0.154	-4.382	40.516	-5013.77
7015_7016	7015	7016	-28.363	411.909	-0.154	4.386	-41.789	1714.91
7016_7016	7016	7016	62.544	-459.707	0.182	-3.911	46.088	-1834.1
7016_7017	7016	7017	-72.2	491.807	-0.182	3.92	-48.225	-3721.55
7017_7017	7017	7017	86.435	-489.64	0.18	1.92	48.538	3719.059
7017_7018	7017	7018	-96.11	528.523	-0.18	-1.905	-50.932	-10434
7018_7018	7018	7018	115.162	-574.344	-0.683	-21.086	49.044	10434.23
7018_7019	7018	7019	-123.744	612.904	0.683	21.039	-40.481	-17841.7
7019_7019	7019	7019	140.58	-609.671	-0.684	20.268	44.855	17842.52
7019_7020	7019	7020	-148.161	650.709	0.684	-20.32	-36.248	-25730.1
7020_7020	7020	7020	-2391.06	214.282	-22.072	-3.136	501.262	5595.764
7020_7021	7020	7021	2390.714	-187.711	22.072	3.136	-291.597	-3685.14
7021_7021	7021	7021	-2391.2	187.713	-20.751	-0.952	292.86	3687.481
7021_7022	7021	7022	2390.91	-168.147	20.751	0.952	-132.087	-2307.84
7022_7022	7022	7022	-2390.93	168.147	-17.665	2.134	132.087	2307.843

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7022_7023	7022	7023	2390.646	-148.584	17.665	-2.134	4.76	-1079.96
7023_7023	7023	7023	-2390.68	100.303	-6.588	-0.736	-4.76	1079.868
7023_7024	7023	7024	2390.153	-80.082	6.588	0.736	57.516	-355.637
7024_7024	7024	7024	-2390.16	80.082	-3.925	-0.239	-57.516	355.638
7024_7025	7024	7025	2389.639	-59.889	3.925	0.239	88.903	206.011
7025_7025	7025	7025	-2389.64	59.889	-3.925	-0.239	-88.903	-206.011
7025_7026	7025	7026	2389.118	-39.696	3.925	0.239	120.29	606.187
7026_7026	7026	7026	-2389.12	-8.134	-3.685	-0.181	-120.29	-606.285
7026_7027	7026	7027	2388.174	23.296	3.685	0.181	142.415	515.683
7027_7027	7027	7027	-2388.17	-23.296	-4.113	-0.104	-142.415	-515.683
7027_7028	7027	7028	2387.226	38.434	4.113	0.104	167.067	334.418
7028_7028	7028	7028	-2387.23	-38.434	0.299	-0.575	-167.067	-334.418
7028_7029	7028	7029	2386.281	53.593	-0.299	0.575	165.274	61.946
7029_7029	7029	7029	-2386.28	-53.593	0.299	-0.575	-165.274	-61.946
7029_7030	7029	7030	2385.333	68.753	-0.299	0.575	163.48	-301.533
7030_7030	7030	7030	-2385.34	-116.212	1.597	-1.474	-163.48	301.518
7030_7031	7030	7031	2383.335	136.397	-1.597	1.474	150.718	-1303.13
7031_7031	7031	7031	-2383.34	-136.397	1.909	-1.298	-150.718	1303.133
7031_7032	7031	7032	2381.331	156.607	-1.909	1.298	135.442	-2467.64
7032_7032	7032	7032	-2381.33	-156.607	4.898	1.823	-135.442	2467.64
7032_7033	7032	7033	2379.323	176.815	-4.898	-1.823	96.246	-3793.71
7033_7033	7033	7033	-2379.28	-225.952	14.984	0.073	-96.246	3793.784
7033_7034	7033	7034	2376.985	245.521	-14.984	-0.073	-19.869	-5611.47
7034_7034	7034	7034	-2377	-245.521	11.896	-7.153	19.869	5611.46
7034_7035	7034	7035	2374.71	265.093	-11.896	7.153	-112.07	-7581.06
7035_7035	7035	7035	-2375.45	-265.106	16.435	7.349	111.018	7584.778
7035_7036	7035	7036	2372.765	291.672	-16.435	-7.349	-267.112	-10218.1
7036_7036	7036	7036	156.94	544.329	-0.049	-10.83	-20.941	31646.1
7036_7037	7036	7037	-152.557	-503.251	0.049	10.793	21.557	-25086.5
7037_7037	7037	7037	138.662	506.51	-0.064	9.676	-23.619	25085.71
7037_7038	7037	7038	-134.06	-467.922	0.064	-9.709	24.426	-19003.7
7038_7038	7038	7038	118.364	428.409	1.72	-5.957	-23.144	19003.75
7038_7039	7038	7039	-113.593	-389.479	-1.72	5.975	0.312	-13602.2
7039_7039	7039	7039	613.58	385.053	0.991	5.839	-0.039	10859.15
7039_7040	7039	7040	-616.151	-353.088	-0.991	-5.849	-11.617	-6619.27
7040_7040	7040	7040	608.194	306.857	0.048	2.185	11.827	6620.409
7040_7041	7040	7041	-588.957	-284.832	-0.048	-2.187	-12.219	-4294.59
7041_7041	7041	7041	668.158	287.37	-0.054	-0.48	10.551	3892.715
7041_7042	7041	7042	-596.403	-250.449	0.054	0.48	-9.725	-67.828
7042_7042	7042	7042	596.408	205.068	-0.091	5.505	9.725	67.846
7042_7043	7042	7043	-544.838	-176.587	0.091	-5.505	-8.647	1970.257
7043_7043	7043	7043	544.837	176.587	-0.143	-5.031	8.647	-1970.26
7043_7044	7043	7044	-493.274	-148.11	0.143	5.031	-6.943	3669.2
7044_7044	7044	7044	493.278	107.513	-0.039	3.156	6.943	-3669.21
7044_7045	7044	7045	-444.215	-79.014	0.039	-3.156	-6.473	4556.762
7045_7045	7045	7045	444.215	79.014	-0.063	-2.862	6.473	-4556.76
7045_7046	7045	7046	-395.197	-50.542	0.063	2.862	-5.718	5104.63
7046_7046	7046	7046	395.194	9.775	0.152	6.056	5.718	-5104.64
7046_7047	7046	7047	-349.266	18.717	-0.152	-6.056	-7.531	4841.052
7047_7047	7047	7047	349.266	-18.717	0.1	-6.031	7.531	-4841.05
7047_7048	7047	7048	-303.344	47.205	-0.1	6.031	-8.717	4238.392
7048_7048	7048	7048	303.342	-88.44	-0.073	1.692	8.717	-4238.41
7048_7049	7048	7049	-260.388	116.925	0.073	-1.692	-7.849	2817.843

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7049_7049	7049	7049	260.388	-116.925	-0.099	-1.888	7.849	-2817.84
7049_7050	7049	7050	-217.436	145.409	0.099	1.888	-6.668	1058.377
7050_7050	7050	7050	217.436	-187.011	0.413	-1.074	6.668	-1058.38
7050_7051	7050	7051	-163.419	223.92	-0.413	1.074	-13.043	-2360.98
7051_7051	7051	7051	162.537	-222.235	0.373	2.168	13.158	2378.649
7051_7052	7051	7052	-135.33	242.626	-0.373	-2.166	-16.237	-4423.63
7052_7052	7052	7052	142.263	-287.461	-0.381	-7.318	15.98	4424.261
7052_7053	7052	7053	-110.31	316.932	0.381	7.326	-11.502	-8149.56
7053_7053	7053	7053	103.348	-314.381	-0.247	11.579	20.584	8235.684
7053_7054	7053	7054	-86.466	352.114	0.247	-11.567	-17.308	-12786
7054_7054	7054	7054	100.519	-393.124	-1.007	-15.131	15.271	12787.99
7054_7055	7054	7055	-96.16	430.337	1.007	15.107	-2.644	-18042.1
7055_7055	7055	7055	108.193	-426.373	-1.057	15.946	5.894	18045.03
7055_7056	7055	7056	-111.964	465.767	1.057	-15.972	7.396	-23718.5
7056_7056	7056	7056	-1984.3	269.798	-16.338	-5.254	301.244	7457.583
7056_7057	7056	7057	1992.873	-244.031	16.338	5.254	-145.928	-5054.54
7057_7057	7057	7057	-1994.39	244.03	-13.913	1.341	147.057	5023.855
7057_7058	7057	7058	2001.434	-223.482	13.913	-1.341	-39.217	-3244.18
7058_7058	7058	7058	-2001.45	223.482	-11.121	6.22	39.217	3244.171
7058_7059	7058	7059	2008.487	-202.936	11.121	-6.22	46.977	-1623.91
7059_7059	7059	7059	-2008.48	156.508	-6.435	-0.762	-46.977	1623.975
7059_7060	7059	7060	2015.371	-135.323	6.435	0.762	98.401	-489.6
7060_7060	7060	7060	-2015.38	135.323	-3.534	0.834	-98.401	489.598
7060_7061	7060	7061	2022.277	-114.114	3.534	-0.834	126.672	476.511
7061_7061	7061	7061	-2022.28	114.114	-0.829	1.215	-126.672	-476.513
7061_7062	7061	7062	2029.178	-92.907	0.829	-1.215	133.302	1272.88
7062_7062	7062	7062	-2029.18	47.787	-2.827	1.134	-133.302	-1273.02
7062_7063	7062	7063	2033.859	-31.868	2.827	-1.134	150.279	1490.369
7063_7063	7063	7063	-2033.86	31.868	0.777	0.181	-150.279	-1490.37
7063_7064	7063	7064	2038.539	-15.952	-0.777	-0.181	145.612	1612.126
7064_7064	7064	7064	-2038.54	15.952	0.53	0.254	-145.612	-1612.13
7064_7065	7064	7065	2043.21	-0.061	-0.53	-0.254	142.435	1638.352
7065_7065	7065	7065	-2043.21	0.061	0.777	0.184	-142.435	-1638.35
7065_7066	7065	7066	2047.889	15.855	-0.777	-0.184	137.769	1569.136
7066_7066	7066	7066	-2047.89	-61.288	4.325	0.435	-137.769	-1569.06
7066_7067	7066	7067	2053.364	82.49	-4.325	-0.435	103.18	968.133
7067_7067	7067	7067	-2053.36	-82.49	4.325	0.435	-103.18	-968.133
7067_7068	7067	7068	2058.84	103.691	-4.325	-0.435	68.591	197.648
7068_7068	7068	7068	-2058.84	-103.691	4.504	0.52	-68.591	-197.649
7068_7069	7068	7069	2064.324	124.919	-4.504	-0.52	32.521	-743.677
7069_7069	7069	7069	-2064.29	-170.575	12.882	-2.916	-32.521	743.82
7069_7070	7069	7070	2069.483	191.11	-12.882	2.916	-67.265	-2169.5
7070_7070	7070	7070	-2069.47	-191.11	15.677	1.633	67.265	2169.498
7070_7071	7070	7071	2074.662	211.643	-15.677	-1.633	-188.691	-3754.11
7071_7071	7071	7071	-2071.83	-211.642	15.849	2.421	189.633	3779.839
7071_7072	7071	7072	2078.042	237.388	-15.849	-2.421	-340.183	-5942.32
7072_7072	7072	7072	71.508	500.932	0.838	-6.649	-3.31	21856.15
7072_7073	7072	7073	-40.902	-461.872	-0.838	6.615	-7.231	-15873.4
7073_7073	7073	7073	28.075	465.843	0.815	8.267	5.663	15871.48
7073_7074	7073	7074	3.668	-429.046	-0.815	-8.298	-15.887	-10322.5
7074_7074	7074	7074	-18.329	390.676	0.056	0.331	16.589	10321.59
7074_7075	7074	7075	45.532	-353.371	-0.056	-0.305	-17.332	-5423.81
7075_7075	7075	7075	436.082	349.953	0.242	1.012	11.514	2781.525

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7075_7076	7075	7076	-435.368	-321.506	-0.242	-0.997	-14.354	1103.445
7076_7076	7076	7076	428.067	278.46	0.053	4.767	14.324	-1102.82
7076_7077	7076	7077	-416.507	-258.779	-0.053	-4.769	-14.762	3254.715
7077_7077	7077	7077	384.226	261.352	0.047	-3.076	16.403	-3222.45
7077_7078	7077	7078	-353.865	-225.997	-0.047	3.076	-17.063	6487.328
7078_7078	7078	7078	353.861	187.567	-0.431	5.306	17.063	-6487.36
7078_7079	7078	7079	-331.314	-159.256	0.431	-5.306	-12.235	8323.074
7079_7079	7079	7079	331.313	159.256	-0.456	-3.744	12.235	-8323.07
7079_7080	7079	7080	-308.787	-130.97	0.456	3.744	-7.136	9840.512
7080_7080	7080	7080	308.79	94.694	0.098	6.335	7.136	-9840.59
7080_7081	7080	7081	-288.471	-66.412	-0.098	-6.335	-8.23	10645.16
7081_7081	7081	7081	288.471	66.412	0.07	-5.444	8.23	-10645.2
7081_7082	7081	7082	-268.134	-38.105	-0.07	5.444	-9.018	11133.67
7082_7082	7082	7082	268.136	-0.151	-0.095	5.247	9.018	-11133.8
7082_7083	7082	7083	-249.104	30.557	0.095	-5.247	-7.876	10857.59
7083_7083	7083	7083	249.104	-30.557	-0.119	-4.954	7.876	-10857.6
7083_7084	7083	7084	-230.073	60.962	0.119	4.954	-6.443	10215.82
7084_7084	7084	7084	230.074	-98.895	-0.087	3.985	6.443	-10215.9
7084_7085	7084	7085	-214.974	127.196	0.087	-3.985	-5.466	8876.657
7085_7085	7085	7085	214.974	-127.196	-0.112	-4.398	5.466	-8876.66
7085_7086	7085	7086	-199.887	155.471	0.112	4.398	-4.212	7222.354
7086_7086	7086	7086	199.884	-192.409	0.027	4.386	4.212	-7222.36
7086_7087	7086	7087	-187.249	220.708	-0.027	-4.386	-4.509	4847.277
7087_7087	7087	7087	187.248	-220.708	-0.026	-5.293	4.509	-4847.28
7087_7088	7087	7088	-174.614	249.005	0.026	5.293	-4.223	2155.705
7088_7088	7088	7088	174.616	-285.628	0.142	-2.023	4.223	-2155.71
7088_7089	7088	7089	-160.747	319.644	-0.142	2.023	-6.137	-1986.3
7089_7089	7089	7089	163.717	-317.927	0.082	1.389	6.03	2036.704
7089_7090	7089	7090	-155.114	338.734	-0.082	-1.388	-6.703	-4786.9
7090_7090	7090	7090	163.798	-378.392	-0.357	-8.913	6.398	4787.347
7090_7091	7090	7091	-154.893	408.365	0.357	8.92	-2.203	-9464.43
7091_7091	7091	7091	152.621	-404.664	-0.207	6.69	7.746	9539.616
7091_7092	7091	7092	-148.658	441.708	0.207	-6.685	-5.003	-15197.6
7092_7092	7092	7092	164.981	-481.032	-0.917	-17.897	3.008	15199.2
7092_7093	7092	7093	-165.824	517.658	0.917	17.859	8.493	-21490.6
7093_7093	7093	7093	180.134	-512.68	-0.965	17.983	-4.814	21493.31
7093_7094	7093	7094	-184.054	551.543	0.965	-18.025	16.955	-28206.3
7094_7094	7094	7094	-2223.34	241.002	-11.024	-5.333	159.013	8029.1
7094_7095	7094	7095	2227.905	-215.682	11.024	5.333	-54.221	-5878.69
7095_7095	7095	7095	-2229.72	215.693	-8.816	0.274	52.996	5887.49
7095_7096	7095	7096	2233.258	-195.656	8.816	-0.274	15.279	-4310.3
7096_7096	7096	7096	-2233.27	195.656	-5.673	6.533	-15.279	4310.298
7096_7097	7096	7097	2236.81	-175.595	5.673	-6.533	59.268	-2886.61
7097_7097	7097	7097	-2236.81	131.538	-0.482	-2.878	-59.268	2886.601
7097_7098	7097	7098	2240.197	-110.855	0.482	2.878	63.123	-1932.8
7098_7098	7098	7098	-2240.2	110.855	2.56	0.233	-63.123	1932.8
7098_7099	7098	7099	2243.583	-90.147	-2.56	-0.233	42.635	-1143.49
7099_7099	7099	7099	-2243.58	90.147	5.502	2.315	-42.635	1143.492
7099_7100	7099	7100	2246.965	-69.44	-5.502	-2.315	-1.404	-519.958
7100_7100	7100	7100	-2246.99	25.887	-0.508	-0.117	1.404	520.067
7100_7101	7100	7101	2249.055	-10.382	0.508	0.117	1.64	-420.85
7101_7101	7101	7101	-2249.05	10.382	3.54	1.642	-1.64	420.848
7101_7102	7101	7102	2251.125	5.148	-3.54	-1.642	-19.611	-414.616

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7102_7102	7102	7102	-2251.12	-5.148	-4.307	-1.854	19.611	414.617
7102_7103	7102	7103	2253.197	20.679	4.307	1.854	6.245	-501.618
7103_7103	7103	7103	-2253.2	-20.679	-0.508	0.03	-6.245	501.619
7103_7104	7103	7104	2255.27	36.183	0.508	-0.03	9.289	-681.47
7104_7104	7104	7104	-2255.27	-79.978	-4.554	-1.79	-9.289	681.377
7104_7105	7104	7105	2257.357	100.685	4.554	1.79	45.738	-1414.31
7105_7105	7105	7105	-2257.36	-100.685	-1.611	0.897	-45.738	1414.31
7105_7106	7105	7106	2259.448	121.391	1.611	-0.897	58.632	-2312.94
7106_7106	7106	7106	-2259.45	-121.391	-1.699	0.781	-58.632	2312.943
7106_7107	7106	7107	2261.534	142.072	1.699	-0.781	72.217	-3375.87
7107_7107	7107	7107	-2261.52	-185.691	7.31	-2.93	-72.217	3375.919
7107_7108	7107	7108	2263.317	205.749	-7.31	2.93	15.539	-4902.13
7108_7108	7108	7108	-2263.32	-205.749	7.31	-2.93	-15.539	4902.127
7108_7109	7108	7109	2265.116	225.807	-7.31	2.93	-41.139	-6583.85
7109_7109	7109	7109	-2265.56	-225.809	9.68	4.45	41.203	6586.045
7109_7110	7109	7110	2267.855	251.096	-9.68	-4.45	-133.097	-8860.99
7110_7110	7110	7110	172.699	536.203	0.396	-19.841	-5.81	29249.36
7110_7111	7110	7111	-156.275	-497.477	-0.396	19.803	0.831	-22789.8
7111_7111	7111	7111	142.47	502.676	0.329	19.485	-4.889	22787.89
7111_7112	7111	7112	-124.718	-466.224	-0.329	-19.52	0.768	-16753.6
7112_7112	7112	7112	109.18	431.032	0.269	-2.852	1.147	16752.93
7112_7113	7112	7113	-92.552	-394.182	-0.269	2.864	-4.712	-11314.2
7113_7113	7113	7113	511.484	393.141	0.27	4.49	10.013	9003.574
7113_7114	7113	7114	-510.714	-363.353	-0.27	-4.484	-13.19	-4630.97
7114_7114	7114	7114	502.533	321.791	-0.058	1.451	13.299	4631.884
7114_7115	7114	7115	-487.405	-301.199	0.058	-1.453	-12.823	-2144.23
7115_7115	7115	7115	540.59	303.814	-0.094	0.186	12.609	1713.12
7115_7116	7115	7116	-492.241	-270.916	0.094	-0.186	-11.302	2077.869
7116_7116	7116	7116	492.242	231.798	-0.267	3.815	11.302	-2077.87
7116_7117	7116	7117	-456.219	-205.447	0.267	-3.815	-8.309	4357.075
7117_7117	7117	7117	456.219	205.447	-0.303	-3.054	8.309	-4357.07
7117_7118	7117	7118	-420.229	-179.121	0.303	3.054	-4.92	6339.693
7118_7118	7118	7118	420.224	144.149	-0.18	0.234	4.92	-6339.65
7118_7119	7118	7119	-386.69	-117.799	0.18	-0.234	-2.909	7648.438
7119_7119	7119	7119	386.69	117.799	-0.18	0.234	2.909	-7648.44
7119_7120	7119	7120	-353.156	-91.45	0.18	-0.234	-0.898	8662.339
7120_7120	7120	7120	353.163	53.476	-0.061	9.168	0.898	-8662.39
7120_7121	7120	7121	-320.289	-25.173	0.061	-9.168	-0.162	8979.983
7121_7121	7121	7121	320.289	25.173	-0.129	-9.125	0.162	-8979.98
7121_7122	7121	7122	-287.416	3.13	0.129	9.125	1.386	8957.341
7122_7122	7122	7122	287.415	-40.745	-0.15	4.101	-1.386	-8957.34
7122_7123	7122	7123	-259.954	67.092	0.15	-4.101	3.063	8223.031
7123_7123	7123	7123	259.954	-67.092	-0.186	-4.431	-3.063	-8223.03
7123_7124	7123	7124	-232.492	93.44	0.186	4.431	5.147	7193.879
7124_7124	7124	7124	232.492	-130.444	0.001	5.215	-5.147	-7193.88
7124_7125	7124	7125	-208.183	156.791	-0.001	-5.215	5.137	5469.378
7125_7125	7125	7125	208.183	-156.791	-0.072	-5.807	-5.137	-5469.38
7125_7126	7125	7126	-183.874	183.138	0.072	5.807	5.939	3450.07
7126_7126	7126	7126	183.881	-220.072	0.018	-0.205	-5.939	-3450.07
7126_7127	7126	7127	-156.828	251.905	-0.018	0.205	5.695	127.236
7127_7127	7127	7127	160.666	-250.031	-0.046	-0.447	-5.873	-86.252
7127_7128	7127	7128	-143.659	268.966	0.046	0.449	6.253	-2136.17
7128_7128	7128	7128	151.014	-311.698	-0.573	-5.094	-6.417	2136.776

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7128_7129	7128	7129	-134.47	339.001	0.573	5.092	13.157	-6058.75
7129_7129	7129	7129	134.449	-334.376	-1.354	8.769	-18.188	6111.898
7129_7130	7129	7130	-130.044	370.185	1.354	-8.743	36.169	-10855.9
7130_7130	7130	7130	144.095	-405.656	2.083	-6.125	-37.331	10858.06
7130_7131	7130	7131	-147.577	441.066	-2.083	6.057	11.189	-16215.6
7131_7131	7131	7131	163.379	-433.836	2.053	6.493	-9.87	16219.79
7131_7132	7131	7132	-171.789	468.98	-2.053	-6.567	-14.303	-21562.7
7132_7132	7132	7132	-1943.22	216.883	14.252	6.242	-176.674	5745.618
7132_7133	7132	7133	1946.295	-190.3	-14.252	-6.242	29.598	-3659.28
7133_7133	7133	7133	-1953.28	190.297	11.486	0.686	-28.989	3693.286
7133_7134	7133	7134	1955.948	-172.046	-11.486	-0.686	-60.029	-2301.97
7134_7134	7134	7134	-1955.98	172.046	6.046	-6.711	60.029	2301.96
7134_7135	7134	7135	1958.651	-153.772	-6.046	6.711	-106.945	-1050.56
7135_7135	7135	7135	-1958.63	115.356	-3.108	-0.792	106.945	1050.643
7135_7136	7135	7136	1961.993	-96.54	3.108	0.792	-82.113	-219.65
7136_7136	7136	7136	-1962	96.54	-0.451	0.328	82.113	219.65
7136_7137	7136	7137	1965.363	-77.701	0.451	-0.328	-78.504	461.753
7137_7137	7137	7137	-1965.36	77.701	-0.451	0.328	78.504	-461.753
7137_7138	7137	7138	1968.73	-58.861	0.451	-0.328	-74.895	992.437
7138_7138	7138	7138	-1968.73	19.779	-4.535	0.221	74.895	-992.492
7138_7139	7138	7139	1970.646	-5.649	4.535	-0.221	-47.685	1059.454
7139_7139	7139	7139	-1970.65	5.649	-1.015	-0.188	47.685	-1059.46
7139_7140	7139	7140	1972.572	8.481	1.015	0.188	-41.597	1041.637
7140_7140	7140	7140	-1972.57	-8.481	-1.015	-0.188	41.597	-1041.64
7140_7141	7140	7141	1974.494	22.61	1.015	0.188	-35.509	939.039
7141_7141	7141	7141	-1974.49	-22.61	-1.015	-0.188	35.509	-939.039
7141_7142	7141	7142	1976.416	36.74	1.015	0.188	-29.421	751.663
7142_7142	7142	7142	-1976.41	-77.827	-4.28	-0.883	29.421	-751.727
7142_7143	7142	7143	1978.108	96.667	4.28	0.883	4.819	44.743
7143_7143	7143	7143	-1978.11	-96.667	-1.64	0.273	-4.819	-44.743
7143_7144	7143	7144	1979.806	115.507	1.64	-0.273	17.937	-812.955
7144_7144	7144	7144	-1979.81	-115.507	-1.64	0.273	-17.937	812.955
7144_7145	7144	7145	1981.501	134.346	1.64	-0.273	31.055	-1821.37
7145_7145	7145	7145	-1981.51	-177.955	0.699	1.614	-31.055	1821.302
7145_7146	7145	7146	1982.971	196.206	-0.699	-1.614	25.641	-3279.33
7146_7146	7146	7146	-1982.97	-196.206	-2.027	-4.038	-25.641	3279.332
7146_7147	7146	7147	1984.435	214.457	2.027	4.038	41.348	-4878.82
7147_7147	7147	7147	-1972.32	-214.46	0.478	3.075	-41.36	4819.691
7147_7148	7147	7148	1973.783	238.931	-0.478	-3.075	36.821	-6981.65
7148_7148	7148	7148	172.05	461.823	-0.271	-8.659	-12.127	23548.33
7148_7149	7148	7149	-150.728	-424.353	0.271	8.628	15.539	-18013.5
7149_7149	7149	7149	138.875	430.479	-0.32	8.209	-17.258	18011.12
7149_7150	7149	7150	-116.833	-395.268	0.32	-8.238	21.276	-12869.5
7150_7150	7150	7150	103.053	358.123	1.751	-0.921	-20.431	12868.06
7150_7151	7150	7151	-84.736	-322.506	-1.751	0.942	-2.812	-8370.45
7151_7151	7151	7151	602.547	320.478	0.54	0.781	-7.286	5538.329
7151_7152	7151	7152	-597.859	-292.34	-0.54	-0.792	0.936	-2035.9
7152_7152	7152	7152	591.161	247.046	-0.24	-2.516	-0.88	2036.495
7152_7153	7152	7153	-572.035	-227.625	0.24	2.521	2.859	-179.684
7153_7153	7153	7153	603.402	231.022	-0.149	1.334	-3.27	14.452
7153_7154	7153	7154	-549.295	-199.649	0.149	-1.334	5.323	2712.425
7154_7154	7154	7154	549.289	157.459	0.074	0.113	-5.323	-2712.41
7154_7155	7154	7155	-509.279	-132.36	-0.074	-0.113	4.511	4132.9

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7155_7155	7155	7155	509.279	132.36	0.074	0.113	-4.511	-4132.9
7155_7156	7155	7156	-469.269	-107.261	-0.074	-0.113	3.699	5277.295
7156_7156	7156	7156	469.271	71.435	0.027	-4.046	-3.699	-5277.3
7156_7157	7156	7157	-434.731	-48.618	-0.027	4.046	3.428	5726.965
7157_7157	7157	7157	434.731	48.618	0.082	4.126	-3.428	-5726.97
7157_7158	7157	7158	-400.191	-25.8	-0.082	-4.126	2.608	5948.461
7158_7158	7158	7158	400.185	-7.249	0.07	-3.76	-2.608	-5948.43
7158_7159	7158	7159	-368.005	30.089	-0.07	3.76	1.911	5620.392
7159_7159	7159	7159	368.005	-30.089	0.125	3.674	-1.911	-5620.39
7159_7160	7159	7160	-335.856	52.906	-0.125	-3.674	0.664	5064.384
7160_7160	7160	7160	335.856	-90.042	0.106	-2.35	-0.664	-5064.37
7160_7161	7160	7161	-303.251	115.141	-0.106	2.35	-0.499	3791.841
7161_7161	7161	7161	303.251	-115.141	0.156	2.104	0.499	-3791.84
7161_7162	7161	7162	-270.646	140.24	-0.156	-2.104	-2.211	2243.215
7162_7162	7162	7162	270.645	-180.64	0.269	-0.241	2.211	-2243.23
7162_7163	7162	7163	-232.087	212.013	-0.269	0.241	-5.914	-627.96
7163_7163	7163	7163	236.051	-209.371	0.217	0.026	5.934	621.127
7163_7164	7163	7164	-213.662	228.834	-0.217	-0.026	-7.727	-2530.99
7164_7164	7164	7164	220.288	-273.645	0.061	-1.906	7.668	2531.734
7164_7165	7164	7165	-195.042	301.726	-0.061	1.915	-8.386	-6046.09
7165_7165	7165	7165	185.483	-295.532	0.208	2.361	10.947	6145.363
7165_7166	7165	7166	-170.75	331.765	-0.208	-2.352	-13.71	-10433
7166_7166	7166	7166	184.874	-377.857	-0.047	-6.402	13.021	10435.12
7166_7167	7166	7167	-182.741	413.643	0.047	6.379	-12.436	-15498.3
7167_7167	7167	7167	194.299	-406.436	-0.094	6.954	13.86	15501.75
7167_7168	7167	7168	-199.785	444.395	0.094	-6.979	-12.683	-20937.5
7168_7168	7168	7168	-1853.22	245.453	-1.627	-3.431	7.869	6026.325
7168_7169	7168	7169	1859.899	-220.648	1.627	3.431	7.59	-3841.1
7169_7169	7169	7169	-1866.2	220.633	0.678	1.496	-6.563	3871.857
7169_7170	7169	7170	1872.049	-201.878	-0.678	-1.496	1.312	-2259.96
7170_7170	7170	7170	-1872.05	201.878	0.678	1.496	-1.312	2259.957
7170_7171	7170	7171	1877.902	-183.124	-0.678	-1.496	-3.939	-793.405
7171_7171	7171	7171	-1877.88	135.794	0.782	0.551	3.939	793.299
7171_7172	7171	7172	1883.653	-116.435	-0.782	-0.551	-10.194	190.547
7172_7172	7172	7172	-1883.65	116.435	-1.804	-0.03	10.194	-190.547
7172_7173	7172	7173	1889.423	-97.075	1.804	0.03	4.237	1019.522
7173_7173	7173	7173	-1889.42	97.075	0.782	-0.411	-4.237	-1019.52
7173_7174	7173	7174	1895.194	-77.716	-0.782	0.411	-2.017	1693.614
7174_7174	7174	7174	-1895.2	33.295	0.872	-0.423	2.017	-1693.69
7174_7175	7174	7175	1899.023	-18.775	-0.872	0.423	-7.252	1833.047
7175_7175	7175	7175	-1899.02	18.775	-2.575	1.273	7.252	-1833.05
7175_7176	7175	7176	1902.847	-4.256	2.575	-1.273	8.199	1885.281
7176_7176	7176	7176	-1902.85	4.256	0.872	-0.439	-8.199	-1885.28
7176_7177	7176	7177	1906.674	10.264	-0.872	0.439	2.965	1850.398
7177_7177	7177	7177	-1906.67	-10.264	0.872	-0.439	-2.965	-1850.4
7177_7178	7177	7178	1910.5	24.783	-0.872	0.439	-2.269	1728.396
7178_7178	7178	7178	-1910.5	-69.747	0.626	-0.432	2.269	-1728.48
7178_7179	7178	7179	1914.842	89.106	-0.626	0.432	-7.277	1073.582
7179_7179	7179	7179	-1914.84	-89.106	-1.96	-0.334	7.277	-1073.58
7179_7180	7179	7180	1919.182	108.466	1.96	0.334	8.401	263.801
7180_7180	7180	7180	-1919.18	-108.466	0.626	0.646	-8.401	-263.802
7180_7181	7180	7181	1923.523	127.825	-0.626	-0.646	3.394	-700.849
7181_7181	7181	7181	-1923.51	-174.757	0.892	2.006	-3.394	700.756

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7181_7182	7181	7182	1927.672	193.511	-0.892	-2.006	-3.517	-2146.64
7182_7182	7182	7182	-1927.67	-193.511	0.892	2.006	3.517	2146.644
7182_7183	7182	7183	1931.837	212.266	-0.892	-2.006	-10.428	-3737.88
7183_7183	7183	7183	-1919.54	-212.261	-1.531	-3.74	10.144	3677.882
7183_7184	7183	7184	1924.332	237.067	1.531	3.74	4.399	-5833.83
7184_7184	7184	7184	165.767	455.41	0.35	7.356	-15.789	20661.16
7184_7185	7184	7185	-138.06	-417.742	-0.35	-7.382	11.392	-15191.9
7185_7185	7185	7185	126.312	425.08	0.398	-6.787	-9.876	15189.23
7185_7186	7185	7186	-98.989	-389.642	-0.398	6.764	4.881	-10099.9
7186_7186	7186	7186	85.061	349.358	-0.836	-0.613	-5.441	10098.45
7186_7187	7186	7187	-64.096	-313.418	0.836	0.614	16.541	-5698.74
7187_7187	7187	7187	565.903	312.933	0.163	0.762	-3.299	2953.043
7187_7188	7187	7188	-563.048	-283.581	-0.163	-0.746	1.387	475.693
7188_7188	7188	7188	556.463	235.247	0.061	-3.43	-1.323	-474.711
7188_7189	7188	7189	-540.994	-214.947	-0.061	3.429	0.817	2247.815
7189_7189	7189	7189	559.108	218.672	0.112	2.851	-0.776	-2244.24
7189_7190	7189	7190	-515.126	-184.415	-0.112	-2.851	-0.767	4828.161
7190_7190	7190	7190	515.127	140.736	-0.093	0.196	0.767	-4828.16
7190_7191	7190	7191	-481.881	-113.33	0.093	-0.196	0.256	6083.203
7191_7191	7191	7191	481.881	113.33	-0.093	0.196	-0.256	-6083.2
7191_7192	7191	7192	-448.634	-85.925	0.093	-0.196	1.28	7036.786
7192_7192	7192	7192	448.635	46.904	-0.02	0.071	-1.28	-7036.77
7192_7193	7192	7193	-420.438	-22.04	0.02	-0.071	1.478	7259.182
7193_7193	7193	7193	420.438	22.04	-0.02	0.022	-1.478	-7259.18
7193_7194	7193	7194	-392.213	2.849	0.02	-0.022	1.68	7233.297
7194_7194	7194	7194	392.213	-38.24	0.088	4.154	-1.68	-7233.32
7194_7195	7194	7195	-366.032	63.128	-0.088	-4.154	0.799	6613.07
7195_7195	7195	7195	366.032	-63.128	0.031	-4.329	-0.799	-6613.07
7195_7196	7195	7196	-339.852	88.017	-0.031	4.329	0.487	5744.181
7196_7196	7196	7196	339.848	-127.434	0.142	-0.219	-0.487	-5744.16
7196_7197	7196	7197	-313.48	154.84	-0.142	0.219	-1.08	4075.741
7197_7197	7197	7197	313.48	-154.84	0.142	-0.219	1.08	-4075.74
7197_7198	7197	7198	-287.113	182.245	-0.142	0.219	-2.647	2105.858
7198_7198	7198	7198	287.119	-223.726	-0.04	-0.614	2.647	-2105.87
7198_7199	7198	7199	-255.554	257.957	0.04	0.614	-2.101	-1343.39
7199_7199	7199	7199	258.623	-254.939	-0.096	0.431	2.065	1270.352
7199_7200	7199	7200	-239.408	276.145	0.096	-0.431	-1.274	-3555.25
7200_7200	7200	7200	247.197	-321.155	-0.433	2.57	1.356	3556.212
7200_7201	7200	7201	-225.595	351.745	0.433	-2.561	3.734	-7635.71
7201_7201	7201	7201	223.406	-344.302	-0.045	-4.502	-0.841	7708.659
7201_7202	7201	7202	-215.122	384.892	0.045	4.508	1.441	-12646.4
7202_7202	7202	7202	230.77	-429.03	-0.702	7.692	-0.47	12649.42
7202_7203	7202	7203	-231.73	468.913	0.702	-7.724	9.275	-18360.1
7203_7203	7203	7203	244.799	-460.627	-0.655	-8.192	-10.98	18364.66
7203_7204	7203	7204	-251.566	502.683	0.655	8.156	19.225	-24493
7204_7204	7204	7204	-2025.01	276.925	-6.843	2.283	168.373	7651.554
7204_7205	7204	7205	2029.891	-249.061	6.843	-2.283	-103.363	-5175.1
7205_7205	7205	7205	-2032.03	249.053	-9.644	-3.584	105.07	4936.689
7205_7206	7205	7206	2036.314	-227.804	9.644	3.584	-30.331	-3107.7
7206_7206	7206	7206	-2036.32	227.804	-6.677	1.285	30.331	3107.704
7206_7207	7206	7207	2040.6	-206.554	6.677	-1.285	21.415	-1443.42
7207_7207	7207	7207	-2040.63	155.419	-1.276	0.171	-21.415	1443.416
7207_7208	7207	7208	2044.725	-133.484	1.276	-0.171	31.624	-305.955

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7208_7208	7208	7208	-2044.73	133.484	-1.276	0.171	-31.624	305.955
7208_7209	7208	7209	2048.82	-111.549	1.276	-0.171	41.833	656.024
7209_7209	7209	7209	-2048.82	111.549	-4.15	-0.063	-41.833	-656.022
7209_7210	7209	7210	2052.912	-89.614	4.15	0.063	75.035	1442.523
7210_7210	7210	7210	-2052.93	38.787	0.311	-0.211	-75.035	-1442.5
7210_7211	7210	7211	2055.554	-22.336	-0.311	0.211	73.169	1614.015
7211_7211	7211	7211	-2055.55	22.336	0.311	-0.211	-73.169	-1614.02
7211_7212	7211	7212	2058.176	-5.885	-0.311	0.211	71.304	1686.818
7212_7212	7212	7212	-2058.17	5.885	-3.521	0.956	-71.304	-1686.82
7212_7213	7212	7213	2060.796	10.567	3.521	-0.956	92.431	1660.908
7213_7213	7213	7213	-2060.8	-10.567	0.311	-0.098	-92.431	-1660.91
7213_7214	7213	7214	2063.419	27.018	-0.311	0.098	90.565	1536.295
7214_7214	7214	7214	-2063.44	-78.899	2.474	0.664	-90.565	-1536.28
7214_7215	7214	7215	2066.232	100.835	-2.474	-0.664	70.773	804.328
7215_7215	7215	7215	-2066.23	-100.835	2.474	0.664	-70.773	-804.328
7215_7216	7215	7216	2069.026	122.77	-2.474	-0.664	50.981	-103.11
7216_7216	7216	7216	-2069.03	-122.77	-0.4	-0.932	-50.981	103.111
7216_7217	7216	7217	2071.822	144.705	0.4	0.932	54.181	-1186.04
7217_7217	7217	7217	-2071.86	-196.327	6.697	-18.879	-54.181	1185.847
7217_7218	7217	7218	2074.33	217.577	-6.697	18.879	2.279	-2801.44
7218_7218	7218	7218	-2074.33	-217.577	6.697	-18.879	-2.279	2801.441
7218_7219	7218	7219	2076.799	238.827	-6.697	18.879	-49.623	-4581.72
7219_7219	7219	7219	-2068.74	-238.826	28.242	39.679	49.69	4796.974
7219_7220	7219	7220	2071.595	266.69	-28.242	-39.679	-317.987	-7212.05
7220_7220	7220	7220	211.757	501.801	1.476	-33.684	-21.208	23930.54
7220_7221	7220	7221	-189.083	-460.064	-1.476	33.671	2.649	-17895.1
7221_7221	7221	7221	176.09	468.05	1.33	33.554	-9.72	17891.59
7221_7222	7221	7222	-153.996	-428.497	-1.33	-33.566	-6.974	-12278.9
7222_7222	7222	7222	138.833	389.586	-1.784	-2.79	10.181	12278.05
7222_7223	7222	7223	-121.348	-349.295	1.784	2.718	13.513	-7371.59
7223_7223	7223	7223	616.385	349.141	0.76	2.818	-10.417	4599.157
7223_7224	7223	7224	-615.559	-317	-0.76	-2.802	1.492	-757.583
7224_7224	7224	7224	608.173	267.765	0.695	10.989	-1.545	758.639
7224_7225	7224	7225	-592.204	-245.507	-0.695	-10.993	-4.19	1271.041
7225_7225	7225	7225	566.511	249.816	0.497	-7.95	4.45	-1077.36
7225_7226	7225	7226	-522.093	-207.96	-0.497	7.95	-11.893	4309.848
7226_7226	7226	7226	522.11	158.846	0.503	15.523	11.893	-4310.04
7226_7227	7226	7227	-489.059	-126.359	-0.503	-15.523	-17.735	5822.141
7227_7227	7227	7227	489.059	126.359	0.309	-15.015	17.735	-5822.14
7227_7228	7227	7228	-456.032	-93.896	-0.309	15.015	-21.328	6956.128
7228_7228	7228	7228	456.027	46.122	0.289	20.085	21.328	-6955.98
7228_7229	7228	7229	-425.092	-13.655	-0.289	-20.085	-24.684	7166.787
7229_7229	7229	7229	425.088	13.655	0.05	-20.418	24.684	-7166.78
7229_7230	7229	7230	-394.147	18.817	-0.05	20.418	-25.259	7000.578
7230_7230	7230	7230	394.02	-69.924	1.58	14.385	25.259	-6999.84
7230_7231	7230	7231	-365.35	103.801	-1.58	-14.385	-44.405	5820.247
7231_7231	7231	7231	365.368	-103.801	1.354	-15.668	44.405	-5820.26
7231_7232	7231	7232	-336.668	137.714	-1.354	15.668	-60.819	4228.382
7232_7232	7232	7232	336.759	-184.441	0	10.87	60.819	-4228.04
7232_7233	7232	7233	-328.719	193.011	0	-10.87	-60.819	3613.942
7233_7233	7233	7233	336.968	-190.429	-0.324	2.913	65.627	-3645.2
7233_7234	7233	7234	-320.067	207.47	0.324	-2.924	-63.697	2384.24
7234_7234	7234	7234	323.426	-202.797	-0.4	-2.825	63.621	-2383.59

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7234_7235	7234	7235	-298.115	226.973	0.4	2.782	-60.268	463.732
7235_7235	7235	7235	301.656	-222.534	-0.489	-5.613	60.148	-462.974
7235_7236	7235	7236	-285.122	239.032	0.489	5.567	-57.38	-928.279
7236_7236	7236	7236	288.083	-290.702	0.095	-6.068	57.262	928.042
7236_7237	7236	7237	-273.685	327.922	-0.095	6.277	-58.267	-4345.5
7237_7237	7237	7237	221.388	-322.708	-0.661	5.016	129.527	4703.941
7237_7238	7237	7238	-220.192	357.497	0.661	-4.714	-123.208	-8012.26
7238_7238	7238	7238	230.756	-379.892	3.966	-23.454	120.67	8013.25
7238_7239	7238	7239	-233.735	415.362	-3.966	23.115	-158.107	-11829
7239_7239	7239	7239	233.474	-415.411	3.847	15.501	162.016	11829.21
7239_7240	7239	7240	-237.953	456.253	-3.847	-15.84	-202.323	-16459
7240_7240	7240	7240	-1819.45	307.507	-61.413	-5.379	1198.243	4392.225
7240_7241	7240	7241	1825.805	-280.764	61.413	5.379	-723.459	-2145.42
7241_7241	7241	7241	-1823.02	280.755	-54.373	4.416	726.668	2131.107
7241_7242	7241	7242	1830.284	-251.596	54.373	-4.416	-261.476	115.047
7242_7242	7242	7242	-1830.38	251.596	-49.981	5.992	261.476	-115.072
7242_7243	7242	7243	1837.348	-223.629	49.981	-5.992	148.657	2035.031
7243_7243	7243	7243	-1838.67	166.117	-16.214	3.411	-148.657	-2035.29
7243_7244	7243	7244	1843.171	-131.578	16.214	-3.411	312.971	3523.545
7244_7244	7244	7244	-1843.2	131.578	-11.19	-2.488	-312.971	-3523.55
7244_7245	7244	7245	1847.419	-99.221	11.19	2.488	419.21	4600.232
7245_7245	7245	7245	-1847.03	54.427	-12.869	5.204	-419.21	-4599.34
7245_7246	7245	7246	1851.011	-19.185	12.869	-5.204	552.282	4961.747
7246_7246	7246	7246	-1851.04	19.185	-7.492	-4.403	-552.282	-4961.75
7246_7247	7246	7247	1854.613	12.437	7.492	4.403	621.796	4976.756
7247_7247	7247	7247	-1854.67	-64.027	-2.383	7.061	-621.796	-4976
7247_7248	7247	7248	1857.302	96.031	2.383	-7.061	644.17	4211.959
7248_7248	7248	7248	-1857.29	-96.031	6.235	-4.784	-644.17	-4211.97
7248_7249	7248	7249	1860.164	130.925	-6.235	4.784	580.341	3036.511
7249_7249	7249	7249	-1860.51	-177.811	24.794	0.58	-580.341	-3036.1
7249_7250	7249	7250	1862.684	211.856	-24.794	-0.58	332.665	1078.975
7250_7250	7250	7250	-1862.61	-211.856	30.453	1.5	-332.665	-1078.98
7250_7251	7250	7251	1864.712	244.677	-30.453	-1.5	39.403	-1129.73
7251_7251	7251	7251	-1863.64	-294.178	-11.268	-48.822	-39.403	1128.584
7251_7252	7251	7252	1863.218	320.596	11.268	48.822	126.747	-3511.45
7252_7252	7252	7252	-1859.78	-320.594	-2.316	-27.496	-127.285	3494.885
7252_7253	7252	7253	1859.271	353.439	2.316	27.496	149.277	-6695.1
7253_7253	7253	7253	191.64	458.844	-46.08	97.662	22.652	18373
7253_7254	7253	7254	-176.898	-430.539	46.08	-97.896	314.107	-15127.8
7254_7254	7254	7254	160.453	373.772	28.088	-14.037	-299.879	15120.99
7254_7255	7254	7255	-139.539	-330.218	-28.088	14.202	-27.168	-11017.6
7255_7255	7255	7255	131.652	336.281	28.096	18.852	24.144	11014.98
7255_7256	7255	7256	-115.086	-299.864	-28.096	-18.731	-306.984	-7809.69
7256_7256	7256	7256	106.845	264.273	-12.372	-12.725	308.765	7807.703
7256_7257	7256	7257	-97.787	-230.977	12.372	12.719	-192.453	-5459.13
7257_7257	7257	7257	39.545	236.27	-12.384	1.527	192.472	5744.483
7257_7258	7257	7258	-36.32	-214.926	12.384	-1.53	-103.961	-4107.71
7258_7258	7258	7258	33.396	217.362	-12.381	8.571	103.766	4107.225
7258_7259	7258	7259	-34.088	-202.192	12.381	-8.572	-40.63	-3015.84
7259_7259	7259	7259	531.557	150.129	1.282	12.922	-2.722	547.189
7259_7260	7259	7260	-565.877	-126.213	-1.282	-12.913	-7.223	669.343
7260_7260	7260	7260	589.122	130.151	1.194	-1.776	6.349	-938.834
7260_7261	7260	7261	-621.834	-103.927	-1.194	1.776	-16.711	2110.68

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7261_7261	7261	7261	621.834	103.927	1.131	-9.123	16.711	-2110.68
7261_7262	7261	7262	-652.195	-79.587	-1.131	9.123	-25.823	2994.619
7262_7262	7262	7262	652.201	13.996	0.476	9.496	25.823	-2994.65
7262_7263	7262	7263	-700.275	20.995	-0.476	-9.496	-31.332	3182.201
7263_7263	7263	7263	700.274	-20.995	0.358	-8.627	31.332	-3182.19
7263_7264	7263	7264	-747.901	55.66	-0.358	8.627	-35.435	2968.388
7264_7264	7264	7264	747.931	-109.456	0.824	14.478	35.435	-2968.48
7264_7265	7264	7265	-798.181	144.843	-0.824	-14.478	-45.091	1716.44
7265_7265	7265	7265	798.176	-144.843	0.623	-15.378	45.091	-1716.42
7265_7266	7265	7266	-846.848	179.119	-0.623	15.378	-52.157	108.54
7266_7266	7266	7266	846.947	-236.153	0.506	6.549	52.157	-108.351
7266_7267	7266	7267	-897.966	270.809	-0.506	-6.549	-57.96	-2559.34
7267_7267	7267	7267	897.968	-270.809	0.338	-8.844	57.96	2559.348
7267_7268	7267	7268	-949.459	305.787	-0.338	8.844	-61.877	-5654.81
7268_7268	7268	7268	949.605	-372.915	5.394	1.837	61.877	5655.787
7268_7269	7268	7269	-968.977	384.986	-5.394	-1.837	-83.429	-7078.98
7269_7269	7269	7269	890.684	-379.208	5.072	-4.727	78.038	7726.042
7269_7270	7269	7270	-907.977	411.084	-5.072	4.698	-127.567	-11466.4
7270_7270	7270	7270	916.698	-400.852	4.932	-0.963	127.638	11465.22
7270_7271	7270	7271	-893.584	434.999	-4.932	0.887	-178.2	-15738.1
7271_7271	7271	7271	786.983	-488.524	-13.673	-31.857	157.855	16455
7271_7272	7271	7272	-733.64	535.859	13.673	31.677	10.123	-22826.9
7272_7272	7272	7272	747.786	-525.39	-13.868	28.035	-6.19	22826.36
7272_7273	7272	7273	-682.309	575.619	13.868	-28.26	179.392	-29841.9
7273_7273	7273	7273	696.995	-586.948	23.479	-53.226	-187.331	29848.49
7273_7274	7273	7274	-669.146	610.096	-23.479	53.288	56.412	-33254.9
7274_7274	7274	7274	678.161	-604.479	23.367	3.899	-50.744	33255.51
7274_7275	7274	7275	-641.026	638.78	-23.367	-3.796	-137.341	-38364
7275_7275	7275	7275	-2409.18	468.632	28.295	37.782	605.42	12129.24
7275_7276	7275	7276	2477.451	-448.548	-28.295	-37.782	-761.018	-9899.69
7276_7276	7276	7276	-2942.42	385.71	-64.167	-22.679	928.534	12099.96
7276_7277	7276	7277	2945.92	-370.982	64.167	22.679	-671.978	-10601.4
7277_7277	7277	7277	-2952.14	370.968	-58.742	-8.965	676.137	10889.53
7277_7278	7277	7278	2961.375	-336.104	58.742	8.965	-81.052	-7346.44
7278_7278	7278	7278	-2961.53	336.104	-49.434	14.124	81.052	7346.412
7278_7279	7278	7279	2969.936	-304.368	49.434	-14.124	374.807	-4428.29
7279_7279	7279	7279	-2969.57	226.392	-19.135	-6.409	-374.807	4429.033
7279_7280	7279	7280	2973.207	-186.213	19.135	6.409	598.204	-2035.49
7280_7280	7280	7280	-2973.25	186.213	-5.608	5.472	-598.204	2035.471
7280_7281	7280	7281	2977.053	-144.289	5.608	-5.472	666.523	-38.046
7281_7281	7281	7281	-3027.18	107.524	-1.076	0.072	-678.477	272.185
7281_7282	7281	7282	3036.309	-71.238	1.076	-0.072	691.815	796.389
7282_7282	7282	7282	-3036.3	71.238	7.972	-0.018	-691.815	-796.395
7282_7283	7282	7283	3044.74	-37.675	-7.972	0.018	600.426	1384.427
7283_7283	7283	7283	-3045.26	-62.231	-6.435	-0.854	-600.426	-1384.67
7283_7284	7283	7284	3045.838	93.577	6.435	0.854	669.317	547.47
7284_7284	7284	7284	-3045.84	-93.577	6.576	0.646	-669.317	-547.471
7284_7285	7284	7285	3046.358	122.023	-6.576	-0.646	605.431	-502.732
7285_7285	7285	7285	-3046.69	-183.214	99.3	-10.357	-605.431	502.625
7285_7286	7285	7286	3047.234	207.135	-99.3	10.357	-205.871	-2100.49
7286_7286	7286	7286	-3047.06	-207.135	104.773	-5.1	205.871	2100.503
7286_7287	7286	7287	3047.551	228.645	-104.773	5.1	-975.59	-3704.17
7287_7287	7287	7287	-3039.72	-228.646	111.91	-4.307	976.001	3400.439

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7287_7288	7287	7288	3040.15	254.049	-111.91	4.307	-1872.78	-5337.05
7288_7288	7288	7288	262.328	846.381	-20.682	-25.837	324.741	29982.15
7288_7289	7288	7289	-246.185	-800.299	20.682	25.854	-61.799	-19562.5
7289_7289	7289	7289	233.556	804.675	-20.756	44.368	55.703	19560.9
7289_7290	7289	7290	-217.205	-766.38	20.756	-44.356	173.531	-10932.5
7290_7290	7290	7290	195.394	698.404	5.153	-9.09	-169.209	10932.91
7290_7291	7290	7291	-185.584	-673.515	-5.153	9.103	131.194	-5899.35
7291_7291	7291	7291	171.88	678.239	5.133	0.483	-131.593	5898.419
7291_7292	7291	7292	-161.19	-649.292	-5.133	-0.473	86.877	-147.671
7292_7292	7292	7292	127.75	653.185	5.09	12.306	-85.359	258.299
7292_7293	7292	7293	-122.724	-640.889	-5.09	-12.304	63.617	2487.455
7293_7293	7293	7293	113.831	588.381	-0.895	11.1	-63.451	-2487.89
7293_7294	7293	7294	-109.064	-567.875	0.895	-11.102	69.837	6595.563
7294_7294	7294	7294	106.45	568.755	-0.939	3.231	-69.784	-6595.65
7294_7295	7294	7295	-101.516	-544.081	0.939	-3.231	77.852	11356.36
7295_7295	7295	7295	126.673	544.171	-0.897	-18.723	-78.417	-11498
7295_7296	7295	7296	-122.967	-520.736	0.897	18.723	84.741	15236.23
7296_7296	7296	7296	23.521	449.149	3.321	25.405	-59.296	-14677.3
7296_7297	7296	7297	-28.09	-412.777	-3.321	-25.405	22.814	19437.9
7297_7297	7297	7297	28.1	412.777	3.285	-15.737	-22.814	-19437.9
7297_7298	7297	7298	-32.838	-375.058	-3.285	15.737	-14.611	23952.76
7298_7298	7298	7298	32.779	309.917	0.407	50.694	14.611	-23955.4
7298_7299	7298	7299	-37.833	-272.746	-0.407	-50.694	-19.185	27253.79
7299_7299	7299	7299	37.835	272.746	0.358	-36.115	19.185	-27253.8
7299_7300	7299	7300	-43.51	-231.016	-0.358	36.115	-23.694	30459.5
7300_7300	7300	7300	43.491	162.653	0.01	50.426	23.694	-30462.9
7300_7301	7300	7301	-51.212	-122.313	-0.01	-50.426	-23.82	32239.08
7301_7301	7301	7301	51.213	122.313	-0.034	-44.128	23.82	-32239.1
7301_7302	7301	7302	-58.594	-83.749	0.034	44.128	-23.427	33477.55
7302_7302	7302	7302	58.594	14.208	0.548	56.533	23.427	-33480.8
7302_7303	7302	7303	-69.031	28.106	-0.548	-56.533	-30.436	33444.8
7303_7303	7303	7303	69.034	-28.106	0.498	-58.094	30.436	-33444.8
7303_7304	7303	7304	-78.057	64.687	-0.498	58.094	-35.934	32977.79
7304_7304	7304	7304	78.052	-135.711	0.412	54.79	35.934	-32981.4
7304_7305	7304	7305	-89.333	173.963	-0.412	-54.79	-40.698	31248.66
7305_7305	7305	7305	89.336	-173.963	0.364	-47.87	40.698	-31248.7
7305_7306	7305	7306	-101.314	214.577	-0.364	47.87	-45.163	28925.19
7306_7306	7306	7306	101.283	-289.074	-0.335	47.187	45.163	-28927.9
7306_7307	7306	7307	-114.096	328.421	0.335	-47.187	-41.183	25321.8
7307_7307	7307	7307	114.092	-328.421	-0.389	-46.488	41.183	-25321.8
7307_7308	7307	7308	-126.963	367.947	0.389	46.488	-36.534	21228.47
7308_7308	7308	7308	127.132	-456.661	7.813	28.391	36.534	-21230.3
7308_7309	7308	7309	-140.866	496.39	-7.813	-28.391	-130.296	15579.57
7309_7309	7309	7309	140.911	-496.39	7.755	-31.147	130.296	-15579.6
7309_7310	7309	7310	-154.436	535.512	-7.755	31.147	-221.942	9549.204
7310_7310	7310	7310	153.991	-636.406	-16.592	-1.809	221.942	-9549.37
7310_7311	7310	7311	-175.451	680.689	16.592	1.809	0	847.149
7400_7020	7400	7020	2609.681	-245.795	50.853	0.762	-405.56	-3721.16
7400_7401	7400	7401	-2610.73	249.776	-50.853	-0.762	197.601	2707.856
7401_7401	7401	7401	2607.83	-244.628	18.542	-0.274	-194.046	-2707.95
7401_7402	7401	7402	-2608.74	248.022	-18.542	0.274	129.342	1848.391
7402_7402	7402	7402	2613.968	-185.359	13.427	-0.865	-130.393	-1848.32
7402_7403	7402	7403	-2617.06	195.915	-13.427	0.865	-16.297	-234.317

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7403_7403	7403	7403	2616.626	-119.643	0.126	-0.739	14.01	234.31
7403_7404	7403	7404	-2618.88	126.54	-0.126	0.739	-14.921	-1121.56
7404_7404	7404	7404	2621.117	-65.546	-1.483	-0.391	15.145	1121.56
7404_7405	7404	7405	-2623.53	72.393	1.483	0.391	-4.453	-1618.93
7405_7405	7405	7405	2623.412	14.704	0.313	-0.447	3.499	1618.927
7405_7406	7405	7406	-2628.72	-1.205	-0.313	0.447	-8.005	-1504.33
7406_7406	7406	7406	2628.468	88.814	-1.063	-0.485	7.941	1504.322
7406_7407	7406	7407	-2632.02	-80.632	1.063	0.485	1.48	-753.652
7407_7407	7407	7407	2629.756	135.74	-1.314	-0.384	-1.458	753.652
7407_7408	7407	7408	-2632.21	-130.4	1.314	0.384	8.758	-14.252
7408_7408	7408	7408	2607.865	-428.092	-0.095	-2.213	-9.39	14.26
7408_7409	7408	7409	-2608.56	431.209	0.095	2.213	9.678	-1311.53
7409_7409	7409	7409	2603.94	413.455	-1.665	1.132	-9.433	1312.211
7409_7410	7409	7410	-2603.24	-410.328	1.665	-1.132	14.476	-64.56
7410_7410	7410	7410	2627.462	-149.148	2.051	-0.811	-13.383	64.558
7410_7411	7410	7411	-2625.01	154.487	-2.051	0.811	1.988	-907.982
7411_7411	7411	7411	2627.667	-99.516	1.131	-0.457	-2.14	907.982
7411_7412	7411	7412	-2624.11	107.695	-1.131	0.457	-7.882	-1825.75
7412_7412	7412	7412	2628.684	-19.851	0.126	-0.591	7.971	1825.768
7412_7413	7412	7413	-2623.38	33.354	-0.126	0.591	-9.787	-2209.12
7413_7413	7413	7413	2627.225	53.758	-0.635	0.346	9.671	2209.157
7413_7414	7413	7414	-2624.81	-46.907	0.635	-0.346	-5.087	-1845.96
7414_7414	7414	7414	2623.053	106.826	1.482	-1.28	5.588	1845.962
7414_7415	7414	7415	-2620.8	-99.934	-1.482	1.28	-16.263	-1101.31
7415_7415	7415	7415	2623.074	176.978	-10.538	-1.057	18.239	1101.344
7415_7416	7415	7416	-2619.98	-166.424	10.538	1.057	96.871	774.15
7416_7416	7416	7416	2615.307	228.51	-8.532	1.849	-97.031	-774.129
7416_7417	7416	7417	-2614.4	-225.12	8.532	-1.849	126.769	1564.673
7417_7417	7417	7417	2617.529	231.484	-30.343	-1.118	-127.694	-1564.65
7417_7036	7417	7036	-2616.48	-227.497	30.343	1.118	251.949	2504.401
7420_7056	7420	7056	2194.473	-229.012	35.862	0.897	-202.702	-3857.9
7420_7421	7420	7421	-2195.4	232.546	-35.862	-0.897	55.811	2912.62
7421_7421	7421	7421	2192.128	-227.794	5.672	0.552	-57.021	-2912.59
7421_7422	7421	7422	-2192.93	230.8	-5.672	-0.552	37.241	2112.934
7422_7422	7422	7422	2197.839	-178.14	4.196	-0.008	-37.643	-2112.93
7422_7423	7422	7423	-2200.58	187.488	-4.196	0.008	-8.173	116.817
7423_7423	7423	7423	2200.415	-124.811	0.748	0.021	6.11	-116.821
7423_7424	7423	7424	-2202.41	130.929	-0.748	-0.021	-11.504	-805.732
7424_7424	7424	7424	2204.898	-78.681	-0.943	0.374	11.722	805.729
7424_7425	7424	7425	-2207.04	84.745	0.943	-0.374	-4.923	-1394.79
7425_7425	7425	7425	2207.175	-12.519	-0.174	0.257	4.628	1394.787
7425_7426	7425	7426	-2211.88	24.485	0.174	-0.257	-2.113	-1661.43
7426_7426	7426	7426	2211.703	49.637	1.168	-0.037	2.094	1661.428
7426_7427	7426	7427	-2214.85	-42.394	-1.168	0.037	-12.437	-1254
7427_7427	7427	7427	2213.526	87.58	-0.719	0.76	12.916	1253.997
7427_7428	7427	7428	-2215.71	-82.815	0.719	-0.76	-8.919	-780.353
7428_7428	7428	7428	2190.077	-388.578	-3.49	-0.074	9.917	780.355
7428_7429	7428	7429	-2190.7	391.366	3.49	0.074	0.656	-1961.79
7429_7429	7429	7429	2192.364	394.925	-3.154	0.533	-0.759	1964.056
7429_7430	7429	7430	-2191.74	-392.146	3.154	-0.533	10.284	-775.657
7430_7430	7430	7430	2218.938	-77.851	2.979	-0.744	-8.765	775.657
7430_7431	7430	7431	-2216.75	82.615	-2.979	0.744	-7.796	-1221.7
7431_7431	7431	7431	2217.974	-37.503	-0.168	0.818	7.031	1221.706

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7431_7432	7431	7432	-2214.83	44.745	0.168	-0.818	-5.543	-1585.77
7432_7432	7432	7432	2215.703	29.703	-0.227	0.253	5.891	1585.784
7432_7433	7432	7433	-2211	-17.732	0.227	-0.253	-2.613	-1243.85
7433_7433	7433	7433	2211.704	89.282	1.174	0.28	3.734	1243.866
7433_7434	7433	7434	-2209.56	-83.221	-1.174	-0.28	-12.194	-622.361
7434_7434	7434	7434	2206.972	135.537	0.009	0.327	12.087	622.363
7434_7435	7434	7435	-2204.97	-129.422	-0.009	-0.327	-12.149	332.93
7435_7435	7435	7435	2204.727	192.719	-13.223	0.45	15.329	-332.923
7435_7436	7435	7436	-2201.99	-183.369	13.223	-0.45	129.092	2386.696
7436_7436	7436	7436	2197.001	235.511	-16.413	-0.058	-128.092	-2386.75
7436_7437	7436	7437	-2196.2	-232.508	16.413	0.058	185.289	3202.221
7437_7437	7437	7437	2199.737	237.791	-30.774	-0.905	-191.399	-3202.15
7437_7072	7437	7072	-2198.81	-234.261	30.774	0.905	317.348	4168.134
7440_7094	7440	7094	2490.778	-213.564	25.882	0.324	-118.109	-2533.66
7440_7441	7440	7441	-2491.7	217.065	-25.882	-0.324	12.068	1651.496
7441_7441	7441	7441	2486.572	-211.114	1.976	-0.099	-13.222	-1651.5
7441_7442	7441	7442	-2487.37	214.093	-1.976	0.099	6.326	909.479
7442_7442	7442	7442	2491.826	-153.739	1.345	-0.18	-6.395	-909.479
7442_7443	7442	7443	-2494.54	162.995	-1.345	0.18	-8.283	-819.427
7443_7443	7443	7443	2494.708	-90.444	-0.442	0.183	7.583	819.422
7443_7444	7443	7444	-2496.69	96.5	0.442	-0.183	-4.399	-1493.42
7444_7444	7444	7444	2498.273	-37.32	0.253	-0.338	4.255	1493.415
7444_7445	7444	7445	-2500.39	43.323	-0.253	0.338	-6.076	-1783.95
7445_7445	7445	7445	2500.535	38.28	-0.828	-0.01	7.175	1783.946
7445_7446	7445	7446	-2505.19	-26.416	0.828	0.01	4.77	-1317.36
7446_7446	7446	7446	2503.642	112.779	3.46	-0.1	-4.41	1317.357
7446_7447	7446	7447	-2506.76	-105.61	-3.46	0.1	-26.21	-351.12
7447_7447	7447	7447	2504.128	156.062	-2.05	0.123	26.547	351.094
7447_7448	7447	7448	-2506.3	-151.34	2.05	-0.123	-15.152	503.397
7448_7448	7448	7448	2490.822	-381.374	-3.5	3.518	17.228	-503.393
7448_7449	7448	7449	-2491.44	384.132	3.5	-3.518	-6.644	-654.155
7449_7449	7449	7449	2490.914	381.799	5.227	-3.736	6.693	654.363
7449_7450	7449	7450	-2490.3	-379.04	-5.227	3.736	-22.504	496.248
7450_7450	7450	7450	2508.437	-153.759	-1.861	0.127	21.741	-496.228
7450_7451	7450	7451	-2506.27	158.48	1.861	-0.127	-11.396	-371.752
7451_7451	7451	7451	2508.95	-108.044	-0.98	-0.231	11.452	371.751
7451_7452	7451	7452	-2505.83	115.213	0.98	0.231	-2.776	-1359.52
7452_7452	7452	7452	2510.614	-28.938	0.074	-0.078	1.876	1359.528
7452_7453	7452	7453	-2505.96	40.801	-0.074	0.078	-2.941	-1862.46
7453_7453	7453	7453	2509.621	40.743	0.501	-0.125	2.731	1862.471
7453_7454	7453	7454	-2507.5	-34.74	-0.501	0.125	-6.343	-1590.57
7454_7454	7454	7454	2505.973	94.148	-0.105	0.115	6.211	1590.565
7454_7455	7454	7455	-2503.99	-88.093	0.105	-0.115	-5.453	-933.613
7455_7455	7455	7455	2507.024	161.187	-1.033	0.216	6.53	933.623
7455_7456	7455	7456	-2504.31	-151.924	1.033	-0.216	4.758	776.63
7456_7456	7456	7456	2500.103	210.076	-3.123	-0.338	-4.574	-776.631
7456_7457	7456	7457	-2499.31	-207.106	3.123	0.338	15.442	1502.447
7457_7457	7457	7457	2504.538	214.703	-19.881	-0.252	-14.191	-1502.43
7457_7110	7457	7110	-2503.62	-211.203	19.881	0.252	95.629	2374.725
7460_7132	7460	7132	2187.214	-313.49	-33.737	-0.987	285.219	-4139.28
7460_7461	7460	7461	-2188.13	317.722	33.737	0.987	-119.845	2592.198
7461_7461	7461	7461	2195.432	-215.321	-11.783	-0.118	117.252	-2592.23
7461_7462	7461	7462	-2196.23	218.299	11.783	0.118	-76.151	1835.969

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7462_7462	7462	7462	2200.842	-165.541	-9.812	-0.264	76.619	-1835.95
7462_7463	7462	7463	-2203.56	174.801	9.812	0.264	30.532	-22.385
7463_7463	7463	7463	2233.154	-112.187	0.039	0.042	-26.571	22.358
7463_7464	7463	7464	-2235.13	118.24	-0.039	-0.042	26.287	-852.703
7464_7464	7464	7464	2237.306	-65.227	3.195	-0.55	-26.708	852.69
7464_7465	7464	7465	-2239.43	71.226	-3.195	0.55	3.7	-1344.04
7465_7465	7465	7465	2272.366	-5.855	0.208	-0.108	-1.946	1343.978
7465_7466	7465	7466	-2277.02	17.713	-0.208	0.108	-1.05	-1513.88
7466_7466	7466	7466	2317.287	44.394	-3.145	0.192	3.417	1513.796
7466_7467	7466	7467	-2320.41	-37.22	3.145	-0.192	24.427	-1152.48
7467_7467	7467	7467	2319.152	84.926	-0.971	-0.368	-24.906	1152.472
7467_7468	7467	7468	-2321.32	-80.206	0.971	0.368	30.301	-693.612
7468_7468	7468	7468	2338.392	-444.774	4.757	-5.198	-30.117	693.536
7468_7469	7468	7469	-2339.01	447.531	-4.757	5.198	15.738	-2042.25
7469_7469	7469	7469	2337.207	444.79	-6.131	5.014	-20.872	2038.571
7469_7470	7469	7470	-2336.59	-442.033	6.131	-5.014	39.405	-698.161
7470_7470	7470	7470	2321.277	-82.478	2.854	-0.376	-39.006	698.148
7470_7471	7470	7471	-2319.11	87.197	-2.854	0.376	23.146	-1169.63
7471_7471	7471	7471	2320.428	-38.443	3.303	-0.114	-23.051	1169.634
7471_7472	7471	7472	-2317.31	45.626	-3.303	0.114	-6.223	-1542.2
7472_7472	7472	7472	2280.642	15.539	-0.355	-0.118	3.378	1542.292
7472_7473	7472	7473	-2275.99	-3.69	0.355	0.118	1.735	-1403.76
7473_7473	7473	7473	2247.769	71.781	1.175	-0.565	-2.903	1403.729
7473_7474	7473	7474	-2245.65	-65.773	-1.175	0.565	-5.573	-907.764
7474_7474	7474	7474	2243.513	117.948	-1.974	0.602	5.134	907.766
7474_7475	7474	7475	-2241.53	-111.895	1.974	-0.602	9.093	-79.528
7475_7475	7475	7475	2219.445	174.875	4.3	0.23	-10.254	79.526
7475_7476	7475	7476	-2216.73	-165.615	-4.3	-0.23	-36.7	1779.642
7476_7476	7476	7476	2212.12	218.751	4.736	-0.291	36.599	-1779.64
7476_7477	7476	7477	-2211.33	-215.774	-4.736	0.291	-53.117	2537.491
7477_7477	7477	7477	2215.18	220.288	3.993	0.589	55.942	-2537.46
7477_7148	7477	7148	-2214.26	-216.789	-3.993	-0.589	-72.291	3432.328
7480_7168	7480	7168	2154.105	-239.326	-24.274	-0.457	97.932	-4485.74
7480_7481	7480	7481	-2155.03	242.825	24.274	0.457	1.467	3498.576
7481_7481	7481	7481	2152.248	-238.797	-3.969	-5.845	-1.858	-3498.52
7481_7482	7481	7482	-2153.04	241.774	3.969	5.845	15.702	2660.374
7482_7482	7482	7482	2158.227	-190.055	1.595	1.574	-13.776	-2660.39
7482_7483	7482	7483	-2160.94	199.315	-1.595	-1.574	-3.648	534.321
7483_7483	7483	7483	2200.218	-138.371	-0.653	-0.192	6.759	-534.357
7483_7484	7483	7484	-2202.2	144.424	0.653	0.192	-2.051	-484.706
7484_7484	7484	7484	2204.959	-93.198	-0.565	-0.259	2.039	484.706
7484_7485	7484	7485	-2207.08	99.206	0.565	0.259	2.038	-1178.44
7485_7485	7485	7485	2253.33	-34.253	-0.748	-0.091	2.298	1178.378
7485_7486	7485	7486	-2257.99	46.11	0.748	0.091	8.484	-1757.71
7486_7486	7486	7486	2314.932	14.655	-1.318	0.502	-3.422	1757.616
7486_7487	7486	7487	-2318.05	-7.48	1.318	-0.502	15.095	-1659.62
7487_7487	7487	7487	2317.407	55.143	0.841	-0.717	-15.784	1659.613
7487_7488	7487	7488	-2319.58	-50.424	-0.841	0.717	11.109	-1366.27
7488_7488	7488	7488	2348.873	-478.638	-0.623	3.874	-9.142	1366.309
7488_7489	7488	7489	-2349.49	481.395	0.623	-3.874	11.027	-2817.4
7489_7489	7489	7489	2351.463	481.851	-1.755	-3.639	24.94	2823.202
7489_7490	7489	7490	-2350.85	-479.094	1.755	3.639	-19.634	-1370.76
7490_7490	7490	7490	2321.072	-49.936	-0.437	-0.844	16.377	1370.761

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7490_7491	7490	7491	-2318.9	54.655	0.437	0.844	-13.948	-1661.39
7491_7491	7491	7491	2319.539	-5.918	-2.611	0.418	13.252	1661.398
7491_7492	7491	7492	-2316.42	13.101	2.611	-0.418	9.889	-1745.68
7492_7492	7492	7492	2259.104	46.389	1.378	0.048	-13.33	1745.811
7492_7493	7492	7493	-2254.45	-34.54	-1.378	-0.048	-6.52	-1162.77
7493_7493	7493	7493	2208.009	100.305	-1.179	0.481	2.469	1162.745
7493_7494	7493	7494	-2205.89	-94.297	1.179	-0.481	6.035	-461.093
7494_7494	7494	7494	2203.1	145.55	1.745	-0.004	-5.818	461.096
7494_7495	7494	7495	-2201.12	-139.497	-1.745	0.004	-6.762	566.077
7495_7495	7495	7495	2162.384	200.4	-0.847	0.104	3.928	-566.074
7495_7496	7495	7496	-2159.67	-191.14	0.847	-0.104	5.323	2703.995
7496_7496	7496	7496	2154.464	242.9	-0.424	0.779	-5.465	-2703.99
7496_7497	7496	7497	-2153.67	-239.922	0.424	-0.779	6.944	3546.076
7497_7497	7497	7497	2155.85	243.694	21.219	0.52	-8.764	-3546.07
7497_7184	7497	7184	-2154.93	-240.195	-21.219	-0.52	-78.124	4536.769
7500_7204	7500	7204	2376.679	-247.384	19.008	0.372	-85.041	-4190.83
7500_7501	7500	7501	-2377.77	251.522	-19.008	-0.372	7.209	3169.376
7501_7501	7501	7501	2376.176	-245.949	0.986	0.243	-8.149	-3169.41
7501_7502	7501	7502	-2377.12	249.471	-0.986	-0.243	4.711	2305.356
7502_7502	7502	7502	2382.417	-192.367	0.518	-0.107	-4.84	-2305.36
7502_7503	7502	7503	-2385.63	203.319	-0.518	0.107	-0.815	144.798
7503_7503	7503	7503	2380.741	-134.425	1.25	-0.43	-0.911	-144.805
7503_7504	7503	7504	-2383.08	141.583	-1.25	0.43	-8.1	-849.797
7504_7504	7504	7504	2385.728	-86.148	-1.92	0.526	8.492	849.793
7504_7505	7504	7505	-2388.24	93.254	1.92	-0.526	5.357	-1496.64
7505_7505	7505	7505	2384.207	-15.411	0.85	0.088	-7.42	1496.649
7505_7506	7505	7506	-2389.71	29.435	-0.85	-0.088	-4.83	-1819.94
7506_7506	7506	7506	2385.288	50.907	-0.033	0.668	4.559	1819.919
7506_7507	7506	7507	-2388.98	-42.421	0.033	-0.668	-4.264	-1406.75
7507_7507	7507	7507	2387.599	91.535	2.206	-0.717	3.681	1406.748
7507_7508	7507	7508	-2390.14	-86	-2.206	0.717	-15.944	-913.424
7508_7508	7508	7508	2356.513	-420.429	-3.221	1.613	16.661	913.374
7508_7509	7508	7509	-2357.24	423.662	3.221	-1.613	-6.925	-2189.19
7509_7509	7509	7509	2357.303	424.098	4.089	-1.129	6.817	2188.94
7509_7510	7509	7510	-2356.58	-420.865	-4.089	1.129	-19.177	-911.781
7510_7510	7510	7510	2385.667	-85.094	0.091	-0.443	18.294	911.742
7510_7511	7510	7511	-2383.13	90.629	-0.091	0.443	-18.801	-1400.03
7511_7511	7511	7511	2384.484	-41.607	-2.144	0.473	18.222	1400.039
7511_7512	7511	7512	-2380.8	50.092	2.144	-0.473	0.762	-1806
7512_7512	7512	7512	2380.128	29.83	0.136	0.173	-0.224	1806.004
7512_7513	7512	7513	-2374.62	-15.806	-0.136	-0.173	-1.741	-1477.02
7513_7513	7513	7513	2374.495	93.129	0.439	0.322	2.567	1477.034
7513_7514	7513	7514	-2371.99	-86.023	-0.439	-0.322	-5.735	-831.082
7514_7514	7514	7514	2369.347	141.134	0.344	0.222	5.729	831.082
7514_7515	7514	7515	-2367.01	-133.975	-0.344	-0.222	-8.212	160.281
7515_7515	7515	7515	2367.793	201.734	-4.849	2.941	9.303	-160.251
7515_7516	7515	7516	-2364.59	-190.782	4.849	-2.941	43.649	2303.49
7516_7516	7516	7516	2359.281	247.464	-15.419	-6.631	-40.73	-2303.54
7516_7517	7516	7517	-2358.34	-243.942	15.419	6.631	94.514	3160.575
7517_7517	7517	7517	2359.213	249.849	-59.145	-3.363	-84.23	-3160.83
7517_7220	7517	7220	-2358.12	-245.711	59.145	3.363	326.428	4175.491
7520_7240	7520	7240	2222.12	49.866	113.358	29.32	-1029.12	-7311.98
7520_7521	7520	7521	-2223.43	-47.11	-113.358	-29.32	753.62	7429.827

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7521_7521	7521	7521	2205.144	-353.89	61.325	-0.412	-744.829	-7403.2
7521_7522	7521	7522	-2206.27	358.119	-61.325	0.412	530.963	6161.663
7522_7522	7522	7522	2214.332	-305.197	56.965	-0.352	-534.525	-6161.36
7522_7523	7522	7523	-2218.19	318.353	-56.965	0.352	-87.586	2756.472
7523_7523	7523	7523	2236	-243.317	-2.232	1.981	78.901	-2754.48
7523_7524	7523	7524	-2238.81	251.918	2.232	-1.981	-62.811	969.608
7524_7524	7524	7524	2244.045	-199.921	-6.424	-1.347	62.18	-969.65
7524_7525	7524	7525	-2247.06	208.46	6.424	1.347	-15.846	-503.228
7525_7525	7525	7525	2236.814	-130.516	-2.621	0.119	11.996	502.923
7525_7526	7525	7526	-2243.43	147.359	2.621	-0.119	25.783	-2505.77
7526_7526	7526	7526	2231.96	-70.461	-1.073	-3.69	-27.081	2503.65
7526_7527	7526	7527	-2236.39	80.654	1.073	3.69	36.579	-3172.66
7527_7527	7527	7527	2237.566	-34.644	-6.956	5.464	-32.788	3172.698
7527_7528	7527	7528	-2240.6	41.24	6.956	-5.464	71.444	-3383.56
7528_7528	7528	7528	2168.804	-513.389	3.092	-10.402	-69.547	3381.845
7528_7529	7528	7529	-2169.67	517.246	-3.092	10.402	60.193	-4940.81
7529_7529	7529	7529	2166.677	502.784	-1.926	9.3	-59.963	4936.239
7529_7530	7529	7530	-2165.82	-498.94	1.926	-9.3	65.769	-3425.88
7530_7530	7530	7530	2207.698	32.851	13.465	-7.225	-62.965	3425.599
7530_7531	7530	7531	-2204.67	-26.253	-13.465	7.225	-11.875	-3261.34
7531_7531	7531	7531	2203.678	72.058	6.101	3.585	6.92	3261.36
7531_7532	7531	7532	-2199.25	-61.857	-6.101	-3.585	-60.974	-2668.11
7532_7532	7532	7532	2187.862	131.676	-2.526	-0.018	59.111	2666.844
7532_7533	7532	7533	-2181.25	-114.839	2.526	0.018	-22.708	-890.539
7533_7533	7533	7533	2168.366	183.98	-1.141	1.414	22.656	890.449
7533_7534	7533	7534	-2165.35	-175.439	1.141	-1.414	-14.42	406.14
7534_7534	7534	7534	2160.765	224.936	-5.749	0.187	14.742	-406.131
7534_7535	7534	7535	-2157.95	-216.343	5.749	-0.187	26.67	1995.405
7535_7535	7535	7535	2143.315	278.211	27.471	6.582	-23.581	-1993.89
7535_7536	7535	7536	-2139.46	-265.048	-27.471	-6.582	-276.59	4961.971
7536_7536	7536	7536	2132.628	315.798	21.685	-14.008	280.412	-4961.74
7536_7537	7536	7537	-2131.5	-311.568	-21.685	14.008	-356.037	6055.685
7537_7537	7537	7537	2141.917	313.698	-43.376	-113.43	366.293	-6071.61
7537_7253	7537	7253	-2140.61	-308.735	43.376	113.43	-188.954	7343.985
7540_7275	7540	7275	3374.154	-310.544	-8.283	52.51	-666.284	-4136.26
7540_7541	7540	7541	-3375.56	315.889	8.283	-52.51	700.178	2854.594
7541_7541	7541	7541	3351.637	-319.38	48.83	-6.563	-690.681	-2880.02
7541_7542	7541	7542	-3352.85	323.944	-48.83	6.563	519.959	1755.405
7542_7542	7542	7542	3359.943	-240.778	41.845	2.59	-521.055	-1755.09
7542_7543	7542	7543	-3364.09	254.927	-41.845	-2.59	64.325	-950.152
7543_7543	7543	7543	3383.808	-155.233	6.462	-5.06	-69.905	944.399
7543_7544	7543	7544	-3386.83	164.492	-6.462	5.06	23.311	-2097.14
7544_7544	7544	7544	3389.775	-84.619	-2.985	1.387	-21.342	2097.17
7544_7545	7544	7545	-3393.02	93.8	2.985	-1.387	42.855	-2740.2
7545_7545	7545	7545	3379.092	14.221	0.876	-1.963	-46.154	2735.084
7545_7546	7545	7546	-3386.21	3.903	-0.876	1.963	33.521	-2660.72
7546_7546	7546	7546	3368.763	105.271	12.283	-2.769	-35.337	2657.359
7546_7547	7546	7547	-3373.53	-94.296	-12.283	2.769	-73.462	-1773.49
7547_7547	7547	7547	3370.826	165.187	1.627	1.171	75.908	1773.391
7547_7548	7547	7548	-3374.08	-158.112	-1.627	-1.171	-84.944	-875.561
7548_7548	7548	7548	3331.341	-556.57	-1.188	3.921	85.867	870.276
7548_7549	7548	7549	-3332.27	560.705	1.188	-3.921	-82.276	-2558.91
7549_7549	7549	7549	3353.372	589.777	-5.618	-5.803	82.949	2567.127

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7549_7550	7549	7550	-3352.42	-585.711	5.618	5.803	-66.212	-816.034
7550_7550	7550	7550	3380.652	-154.264	8.895	-2.105	64.551	812.268
7550_7551	7550	7551	-3377.22	161.413	-8.895	2.105	-114.874	-1705.21
7551_7551	7551	7551	3380.084	-82.235	0.822	-0.768	112.972	1705.337
7551_7552	7551	7552	-3375.4	92.607	-0.822	0.768	-119.901	-2441.93
7552_7552	7552	7552	3365.821	37.551	-0.232	-1.444	117.567	2441.24
7552_7553	7552	7553	-3358.69	-19.92	0.232	1.444	-114.303	-2036.66
7553_7553	7553	7553	3343.859	145.505	4.748	0.939	113.393	2036.854
7553_7554	7553	7554	-3340.63	-136.553	-4.748	-0.939	-146.843	-1043.36
7554_7554	7554	7554	3336.116	220.928	0.167	-1.307	146.333	1043.436
7554_7555	7554	7555	-3333.12	-211.905	-0.167	1.307	-147.507	479.912
7555_7555	7555	7555	3331.054	325.55	-33.231	2.201	153.495	-476.651
7555_7556	7555	7556	-3327.02	-311.739	33.231	-2.201	200.479	3870.795
7556_7556	7556	7556	3316.98	404.666	-34.669	6.073	-199.884	-3870.82
7556_7557	7556	7557	-3315.81	-400.186	34.669	-6.073	318.75	5250.562
7557_7557	7557	7557	3439.99	96.054	-328.982	-36.655	-305.685	-5250.61
7557_7288	7557	7288	-3438.13	-90.729	328.982	36.655	1679.712	5640.666
8000_8000	8000	8000	7.387	10.559	-0.08	0.027	0	-8.693
8000_8001	8000	8001	-18.309	4.643	0.08	-0.027	0.75	48.085
8001_8001	8001	8001	18.309	-4.643	-0.08	0.053	-0.75	-48.085
8001_8002	8001	8002	-28.927	19.422	0.08	-0.053	1.48	-50.698
8002_8002	8002	8002	28.929	20.187	0.084	0.001	-1.48	50.621
8002_8003	8002	8003	-26.405	-0.63	-0.084	-0.001	0.466	72.965
8003_8003	8003	8003	26.402	0.63	0.084	0.067	-0.466	-72.966
8003_8004	8003	8004	-23.879	18.912	-0.084	-0.067	-0.547	-39.919
8004_8004	8004	8004	23.878	20.155	-0.021	0.02	0.547	40.107
8004_8005	8004	8005	-23.34	-0.594	0.021	-0.02	-0.294	85.049
8005_8005	8005	8005	23.339	0.594	-0.021	0.028	0.294	-85.049
8005_8006	8005	8006	-22.801	18.951	0.021	-0.028	-0.041	-26.369
8006_8006	8006	8006	22.804	19.779	0.008	0.006	0.041	26.285
8006_8007	8006	8007	-22.428	-0.217	-0.008	-0.006	-0.141	94.425
8007_8007	8007	8007	22.428	0.217	0.008	0.015	0.141	-94.425
8007_8008	8007	8008	-22.053	19.328	-0.008	-0.015	-0.241	-21.435
8008_8008	8008	8008	22.054	19.43	-0.003	-0.002	0.241	21.436
8008_8009	8008	8009	-22.047	0.119	0.003	0.002	-0.206	95.296
8009_8009	8009	8009	22.047	-0.119	-0.003	-0.002	0.206	-95.296
8009_8010	8009	8010	-22.04	19.668	0.003	0.002	-0.17	-24.434
8010_8010	8010	8010	22.029	19.224	0.001	-0.017	0.17	24.642
8010_8011	8010	8011	-22.485	0.341	-0.001	0.017	-0.183	89.99
8011_8011	8011	8011	22.485	-0.341	0.001	-0.008	0.183	-89.99
8011_8012	8011	8012	-22.94	19.89	-0.001	0.008	-0.196	-32.03
8012_8012	8012	8012	22.936	18.701	0.009	-0.021	0.196	32.029
8012_8013	8012	8013	-22.085	0.852	-0.009	0.021	-0.299	74.777
8013_8013	8013	8013	22.085	-0.852	0.009	-0.021	0.299	-74.777
8013_8014	8013	8014	-21.234	20.405	-0.009	0.021	-0.402	-54.978
8014_8014	8014	8014	21.237	18.426	-0.009	-0.028	0.402	54.916
8014_8015	8014	8015	-38.718	6.941	0.009	0.028	-0.255	53.494
8015_8015	8015	8015	38.655	-6.943	-0.009	-0.02	0.257	-53.396
8015_8016	8015	8016	-47.841	20.278	0.009	0.02	-0.179	-49.301
8016_8016	8016	8016	17.518	19.733	-0.018	-0.021	0.351	99.22
8016_8017	8016	8017	-21.819	-1.019	0.018	0.021	-0.135	27.241
8017_8017	8017	8017	21.818	1.019	-0.018	-0.028	0.135	-27.241
8017_8018	8017	8018	-26.667	20.085	0.018	0.028	0.107	-93.922

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8018_8018	8018	8018	26.671	19.403	0.082	-0.018	-0.107	94.04
8018_8019	8018	8019	-25.448	0.514	-0.082	0.018	-0.921	22.866
8019_8019	8019	8019	25.448	-0.514	0.082	-0.015	0.921	-22.866
8019_8020	8019	8020	-24.226	20.416	-0.082	0.015	-1.947	-109.082
8020_8020	8020	8020	24.193	21.139	-0.057	-0.021	1.947	109.121
8020_8021	8020	8021	-24.017	-6.009	0.057	0.021	-1.409	19.756
8021_8021	8021	8021	24	6.009	-0.057	-0.015	1.408	-19.733
8021_8022	8021	8022	-23.856	6.348	0.057	0.015	-0.968	18.377
8022_8022	8022	8022	23.856	-6.348	-0.057	-0.012	0.968	-18.377
8022_8023	8022	8023	-23.713	18.689	0.057	0.012	-0.527	-78.658
8023_8023	8023	8023	23.715	19.364	-0.088	0	0.527	78.627
8023_8024	8023	8024	-23.291	-6.621	0.088	0	0.18	24.985
8024_8024	8024	8024	23.29	6.621	-0.088	-0.03	-0.18	-24.985
8024_8025	8024	8025	-22.866	6.119	0.088	0.03	0.882	26.67
8025_8025	8025	8025	22.867	-6.119	-0.088	0.002	-0.882	-26.67
8025_8026	8025	8026	-22.443	18.862	0.088	-0.002	1.59	-73.574
8026_8026	8026	8026	22.442	18.97	-0.017	-0.021	-1.59	73.574
8026_8027	8026	8027	-22.522	-9.406	0.017	0.021	1.689	11.671
8027_8027	8027	8027	22.522	9.406	-0.016	-0.038	-1.689	-11.671
8027_8028	8027	8028	-22.603	0.141	0.016	0.038	1.783	39.493
8028_8028	8028	8028	22.603	-0.141	-0.017	0.02	-1.783	-39.493
8028_8029	8028	8029	-22.683	9.705	0.017	-0.02	1.883	9.995
8029_8029	8029	8029	22.683	-9.705	-0.016	0.004	-1.883	-9.995
8029_8030	8029	8030	-22.764	19.267	0.016	-0.004	1.976	-76.906
8030_8030	8030	8030	22.765	18.457	0.052	-0.002	-1.976	76.868
8030_8031	8030	8031	-23.313	-5.722	-0.052	0.002	1.563	20.184
8031_8031	8031	8031	23.313	5.722	0.052	-0.004	-1.563	-20.184
8031_8032	8031	8032	-23.862	7.03	-0.052	0.004	1.15	15.342
8032_8032	8032	8032	23.862	-7.03	0.052	-0.022	-1.15	-15.342
8032_8033	8032	8033	-24.411	19.763	-0.052	0.022	0.731	-91.361
8033_8033	8033	8033	24.409	18.684	0.063	0	-0.731	91.377
8033_8034	8033	8034	-24.597	-6.339	-0.063	0	0.24	5.7
8034_8034	8034	8034	24.597	6.339	0.064	-0.007	-0.24	-5.7
8034_8035	8034	8035	-24.785	6.005	-0.064	0.007	-0.257	7.102
8035_8035	8035	8035	24.785	-6.005	0.064	-0.004	0.257	-7.102
8035_8036	8035	8036	-25.015	21.135	-0.064	0.004	-0.864	-121.662
8036_8036	8036	8036	25.016	20.963	-0.038	-0.003	0.864	121.711
8036_8037	8036	8037	-26.09	-1.047	0.038	0.003	-0.383	16.812
8037_8037	8037	8037	26.09	1.047	-0.039	-0.002	0.383	-16.812
8037_8038	8037	8038	-27.162	18.854	0.039	0.002	0.098	-93.508
8038_8038	8038	8038	27.169	14.691	-0.148	0	-0.098	93.638
8038_8039	8038	8039	-18.73	6.416	0.148	0	2.056	-47.776
8039_8039	8039	8039	56.72	-3.698	0.027	0.013	-0.041	-12.638
8039_8040	8039	8040	-103.668	22.069	-0.027	-0.013	-0.274	-87.899
8040_8040	8040	8040	103.677	18.71	-0.012	-0.002	0.274	88.021
8040_8041	8040	8041	-104.599	-5.82	0.012	0.002	-0.177	14.96
8041_8041	8041	8041	104.598	5.82	-0.012	0.017	0.177	-14.96
8041_8042	8041	8042	-106.305	18.047	0.012	-0.017	0.003	-75.027
8042_8042	8042	8042	106.302	20.114	0.01	0.012	-0.003	75.217
8042_8043	8042	8043	-97.651	-1.533	-0.01	-0.012	-0.113	44.328
8043_8043	8043	8043	97.651	1.533	0.01	0.007	0.113	-44.328
8043_8044	8043	8044	-88.992	17.064	-0.01	-0.007	-0.228	-57.218
8044_8044	8044	8044	89.012	19.409	-0.002	-0.025	0.228	56.894

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8044_8045	8044	8045	-82.352	-0.827	0.002	0.025	-0.202	56.282
8045_8045	8045	8045	82.352	0.827	-0.002	0.036	0.202	-56.282
8045_8046	8045	8046	-75.691	17.755	0.002	-0.036	-0.175	-51.473
8046_8046	8046	8046	75.704	18.965	-0.001	-0.027	0.175	51.243
8046_8047	8046	8047	-69.872	-0.392	0.001	0.027	-0.167	57.353
8047_8047	8047	8047	69.872	0.392	-0.001	0.026	0.167	-57.353
8047_8048	8047	8048	-64.035	18.198	0.001	-0.026	-0.16	-54.971
8048_8048	8048	8048	64.04	18.598	0.008	-0.026	0.16	54.845
8048_8049	8048	8049	-57.571	-0.025	-0.008	0.026	-0.259	48.437
8049_8049	8049	8049	57.572	0.025	0.008	0.016	0.259	-48.436
8049_8050	8049	8050	-51.097	18.565	-0.008	-0.016	-0.358	-69.207
8050_8050	8050	8050	51.103	17.609	-0.015	-0.008	0.358	68.981
8050_8051	8050	8051	-50.684	6.257	0.015	0.008	-0.133	17.232
8051_8051	8051	8051	50.63	-6.257	-0.015	-0.007	0.134	-17.149
8051_8052	8051	8052	-50.405	19.146	0.015	0.007	-0.013	-87.854
8052_8052	8052	8052	50.403	19.571	-0.018	-0.007	0.013	87.928
8052_8053	8052	8053	-28.245	-1.194	0.018	0.007	0.2	7.773
8053_8053	8053	8053	27.775	2.238	-0.044	-0.003	-0.071	-7.808
8053_8054	8053	8054	-30.476	17.823	0.044	0.003	0.649	-92.784
8054_8054	8054	8054	30.47	18.351	0.095	0.007	-0.649	92.928
8054_8055	8054	8055	-31.087	0.592	-0.095	-0.007	-0.54	19.098
8055_8055	8055	8055	31.086	-0.592	0.095	-0.005	0.54	-19.098
8055_8056	8055	8056	-31.702	19.52	-0.095	0.005	-1.728	-105.595
8056_8056	8056	8056	31.708	20.104	-0.086	0.008	1.728	105.566
8056_8057	8056	8057	-31.099	-5.718	0.086	-0.008	-0.913	16.483
8057_8057	8057	8057	31.08	5.718	-0.086	-0.003	0.912	-16.461
8057_8058	8057	8058	-30.583	6.024	0.086	0.003	-0.248	14.798
8058_8058	8058	8058	30.583	-6.024	-0.086	-0.003	0.248	-14.798
8058_8059	8058	8059	-30.085	17.767	0.086	0.003	0.416	-77.898
8059_8059	8059	8059	30.085	18.767	-0.067	0.006	-0.416	77.887
8059_8060	8059	8060	-28.64	-6.649	0.067	-0.006	0.95	22.325
8060_8060	8060	8060	28.64	6.649	-0.067	0.006	-0.95	-22.325
8060_8061	8060	8061	-27.196	5.469	0.067	-0.006	1.484	25.591
8061_8061	8061	8061	27.196	-5.469	-0.067	0.006	-1.484	-25.591
8061_8062	8061	8062	-25.752	17.587	0.067	-0.006	2.018	-68.09
8062_8062	8062	8062	25.754	18.303	0.001	0.034	-2.018	67.845
8062_8063	8062	8063	-25.17	-9.222	-0.001	-0.034	2.012	14.002
8063_8063	8063	8063	25.17	9.222	0.001	0.034	-2.012	-14.002
8063_8064	8063	8064	-24.586	-0.141	-0.001	-0.034	2.006	41.404
8064_8064	8064	8064	24.586	0.141	0.001	-0.032	-2.006	-41.405
8064_8065	8064	8065	-24.001	8.954	-0.001	0.032	1.999	14.277
8065_8065	8065	8065	24.002	-8.954	0.001	-0.015	-1.999	-14.277
8065_8066	8065	8066	-23.418	18.035	-0.001	0.015	1.993	-67.296
8066_8066	8066	8066	23.417	18.06	0.088	-0.005	-1.993	67.464
8066_8067	8066	8067	-22.547	-5.931	-0.088	0.005	1.291	27.44
8067_8067	8067	8067	22.547	5.931	0.088	-0.003	-1.291	-27.44
8067_8068	8067	8068	-21.678	6.183	-0.088	0.003	0.589	25.284
8068_8068	8068	8068	21.678	-6.183	0.088	0.021	-0.589	-25.284
8068_8069	8068	8069	-20.809	18.297	-0.088	-0.021	-0.112	-73.765
8069_8069	8069	8069	20.806	17.54	0.062	0.001	0.112	73.822
8069_8070	8069	8070	-21.623	-5.806	-0.062	-0.001	-0.589	17.457
8070_8070	8070	8070	21.623	5.806	0.062	0	0.589	-17.457
8070_8071	8070	8071	-22.442	5.943	-0.062	0	-1.066	17.779

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8071_8071	8071	8071	22.421	-5.943	0.061	0.021	1.069	-17.757
8071_8072	8071	8072	-23.423	20.334	-0.061	-0.021	-1.652	-106.039
8072_8072	8072	8072	23.447	20.304	-0.04	0	1.652	105.979
8072_8073	8072	8073	-22.178	-1.381	0.04	0	-1.149	27.756
8073_8073	8073	8073	22.177	1.381	-0.04	0.017	1.149	-27.756
8073_8074	8073	8074	-20.907	17.558	0.04	-0.017	-0.644	-75.102
8074_8074	8074	8074	20.908	14.584	-0.214	0.009	0.644	75.158
8074_8075	8074	8075	-2.589	5.478	0.214	-0.009	2.196	-34.625
8075_8075	8075	8075	45.709	-2.885	0.024	0.02	0.256	-34.494
8075_8076	8075	8076	-88.262	20.295	-0.024	-0.02	-0.543	-52.727
8076_8076	8076	8076	88.276	17.314	-0.022	0.035	0.543	52.749
8076_8077	8076	8077	-85.123	-5.087	0.022	-0.035	-0.359	36.618
8077_8077	8077	8077	85.048	5.088	-0.022	0.004	0.362	-36.491
8077_8078	8077	8078	-79.76	15.419	0.022	-0.004	-0.053	-40.173
8078_8078	8078	8078	79.755	17.557	0.006	-0.02	0.053	40.241
8078_8079	8078	8079	-75.526	-0.997	-0.006	0.02	-0.124	58.727
8079_8079	8079	8079	75.525	0.997	0.006	0.044	0.124	-58.728
8079_8080	8079	8080	-71.296	15.563	-0.006	-0.044	-0.194	-27.412
8080_8080	8080	8080	71.301	16.702	-0.002	0.009	0.194	27.413
8080_8081	8080	8081	-68.56	-0.147	0.002	-0.009	-0.175	63.644
8081_8081	8081	8081	68.56	0.147	-0.002	0.006	0.175	-63.644
8081_8082	8081	8082	-65.817	16.423	0.002	-0.006	-0.155	-30.475
8082_8082	8082	8082	65.827	17.954	0	0.003	0.155	30.305
8082_8083	8082	8083	-62.838	-0.168	0	-0.003	-0.154	74.922
8083_8083	8083	8083	62.838	0.168	0	0	0.154	-74.922
8083_8084	8083	8084	-59.847	17.634	0	0	-0.153	-33.575
8084_8084	8084	8084	59.844	16.66	-0.004	-0.003	0.153	33.586
8084_8085	8084	8085	-57.653	-0.108	0.004	0.003	-0.108	57.291
8085_8085	8085	8085	57.653	0.108	-0.004	-0.005	0.108	-57.291
8085_8086	8085	8086	-55.46	16.459	0.004	0.005	-0.064	-36.926
8086_8086	8086	8086	55.47	16.204	0.009	-0.01	0.064	36.769
8086_8087	8086	8087	-52.827	0.362	-0.009	0.01	-0.164	48.338
8087_8087	8087	8087	52.827	-0.362	0.009	-0.007	0.164	-48.338
8087_8088	8087	8088	-50.187	16.914	-0.009	0.007	-0.264	-51.641
8088_8088	8088	8088	50.181	14.51	-0.02	-0.011	0.264	51.64
8088_8089	8088	8089	-54.059	5.226	0.02	0.011	-0.002	14.218
8089_8089	8089	8089	54.006	-5.226	-0.02	-0.016	0.002	-14.143
8089_8090	8089	8090	-56.407	17.445	0.02	0.016	0.16	-76.862
8090_8090	8090	8090	56.404	17.901	-0.003	-0.011	-0.16	76.889
8090_8091	8090	8091	-37.161	-0.493	0.003	0.011	0.192	7.512
8091_8091	8091	8091	37.12	1.402	-0.011	-0.01	-0.209	-7.843
8091_8092	8091	8092	-41.75	17.936	0.011	0.01	0.355	-97.027
8092_8092	8092	8092	41.74	17.948	0.037	-0.005	-0.355	96.878
8092_8093	8092	8093	-41.551	0.291	-0.037	0.005	-0.103	13.608
8093_8093	8093	8093	41.551	-0.291	0.037	-0.005	0.103	-13.608
8093_8094	8093	8094	-41.362	18.53	-0.037	0.005	-0.561	-103.875
8094_8094	8094	8094	41.37	19.262	-0.046	-0.004	0.561	103.833
8094_8095	8094	8095	-40.984	-5.404	0.046	0.004	-0.123	12.941
8095_8095	8095	8095	40.917	5.404	-0.046	-0.011	0.12	-12.854
8095_8096	8095	8096	-40.602	5.914	0.046	0.011	0.236	10.593
8096_8096	8096	8096	40.602	-5.914	-0.046	0.002	-0.236	-10.592
8096_8097	8096	8097	-40.287	17.217	0.046	-0.002	0.591	-79.273
8097_8097	8097	8097	40.287	17.974	0.022	-0.006	-0.591	79.267

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8097_8098	8097	8098	-39.339	-6.293	-0.022	0.006	0.416	16.886
8098_8098	8098	8098	39.34	6.293	0.022	0.014	-0.416	-16.886
8098_8099	8098	8099	-38.393	5.373	-0.022	-0.014	0.242	19.599
8099_8099	8099	8099	38.393	-5.373	0.022	-0.009	-0.242	-19.6
8099_8100	8099	8100	-37.446	17.053	-0.022	0.009	0.068	-71.119
8100_8100	8100	8100	37.446	17.549	0	0.001	-0.068	71.141
8100_8101	8100	8101	-37.124	-8.803	0	-0.001	0.071	7.431
8101_8101	8101	8101	37.124	8.803	0	0.001	-0.071	-7.431
8101_8102	8101	8102	-36.801	-0.043	0	-0.001	0.074	33.586
8102_8102	8102	8102	36.801	0.043	0	0.001	-0.074	-33.586
8102_8103	8102	8103	-36.479	8.718	0	-0.001	0.077	7.149
8103_8103	8103	8103	36.479	-8.718	0	-0.006	-0.077	-7.149
8103_8104	8103	8104	-36.156	17.478	0	0.006	0.08	-71.874
8104_8104	8104	8104	36.15	17.225	-0.022	0.012	-0.08	71.71
8104_8105	8104	8105	-35.847	-5.56	0.022	-0.012	0.256	18.788
8105_8105	8105	8105	35.847	5.56	-0.022	-0.008	-0.256	-18.788
8105_8106	8105	8106	-35.543	6.119	0.022	0.008	0.432	15.982
8106_8106	8106	8106	35.543	-6.119	-0.022	-0.008	-0.432	-15.982
8106_8107	8106	8107	-35.239	17.783	0.022	0.008	0.608	-80.115
8107_8107	8107	8107	35.238	17.033	0.038	0.005	-0.608	80.144
8107_8108	8107	8108	-35.627	-5.719	-0.038	-0.005	0.314	8.449
8108_8108	8108	8108	35.627	5.719	0.038	0.005	-0.314	-8.449
8108_8109	8108	8109	-36.016	5.595	-0.038	-0.005	0.02	9.317
8109_8109	8109	8109	36.039	-5.595	0.038	-0.003	-0.021	-9.346
8109_8110	8109	8110	-36.516	19.45	-0.038	0.003	-0.34	-109.063
8110_8110	8110	8110	36.512	19.256	-0.008	0.01	0.34	109.12
8110_8111	8110	8111	-36.604	-1.01	0.008	-0.01	-0.236	17.208
8111_8111	8111	8111	36.605	1.01	-0.008	-0.002	0.236	-17.207
8111_8112	8111	8112	-36.698	17.236	0.008	0.002	-0.133	-84.612
8112_8112	8112	8112	36.698	13.898	-0.109	0.01	0.133	84.64
8112_8113	8112	8113	-21.705	5.428	0.109	-0.01	1.316	-45.251
8113_8113	8113	8113	60.841	-3.168	0.014	0.009	0.166	-17.973
8113_8114	8113	8114	-101.625	20.28	-0.014	-0.009	-0.33	-72.265
8114_8114	8114	8114	101.639	16.795	-0.012	-0.038	0.33	72.281
8114_8115	8114	8115	-102.363	-4.781	0.012	0.038	-0.228	18.225
8115_8115	8115	8115	102.36	4.781	-0.012	0.042	0.228	-18.226
8115_8116	8115	8116	-103.574	15.374	0.012	-0.042	-0.056	-52.587
8116_8116	8116	8116	103.573	17.795	0.006	0.04	0.056	52.606
8116_8117	8116	8117	-96.785	-1.528	-0.006	-0.04	-0.119	47.887
8117_8117	8117	8117	96.786	1.528	0.006	-0.021	0.119	-47.887
8117_8118	8117	8118	-89.992	14.752	-0.006	0.021	-0.182	-33.5
8118_8118	8118	8118	89.995	16.795	-0.005	0.038	0.182	33.501
8118_8119	8118	8119	-85.63	-0.516	0.005	-0.038	-0.124	58.53
8119_8119	8119	8119	85.63	0.516	-0.005	-0.026	0.124	-58.53
8119_8120	8119	8120	-81.269	15.749	0.005	0.026	-0.065	-31.302
8120_8120	8120	8120	81.248	18.009	-0.001	0.036	0.065	31.548
8120_8121	8120	8121	-76.406	-0.521	0.001	-0.036	-0.056	74.24
8121_8121	8121	8121	76.406	0.521	-0.001	-0.035	0.056	-74.24
8121_8122	8121	8122	-71.564	16.967	0.001	0.035	-0.047	-30.025
8122_8122	8122	8122	71.563	16.662	-0.004	0.025	0.047	30.025
8122_8123	8122	8123	-67.806	-0.383	0.004	-0.025	-0.004	60.842
8123_8123	8123	8123	67.805	0.383	-0.004	-0.035	0.004	-60.843
8123_8124	8123	8124	-64.048	15.895	0.004	0.035	0.04	-30.295

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8124_8124	8124	8124	64.048	16.142	0.001	-0.008	-0.04	30.303
8124_8125	8124	8125	-59.766	0.122	-0.001	0.008	0.028	53.874
8125_8125	8125	8125	59.766	-0.122	0.001	-0.009	-0.028	-53.874
8125_8126	8125	8126	-55.48	16.401	-0.001	0.009	0.017	-43.796
8126_8126	8126	8126	55.455	14.398	-0.007	-0.018	-0.017	43.974
8126_8127	8126	8127	-58.054	5.199	0.007	0.018	0.112	20.648
8127_8127	8127	8127	58.055	-5.199	-0.007	0.002	-0.112	-20.647
8127_8128	8127	8128	-59.648	17.211	0.007	-0.002	0.17	-70.136
8128_8128	8128	8128	59.64	17.795	-0.028	-0.003	-0.17	69.967
8128_8129	8128	8129	-39.462	-0.687	0.028	0.003	0.501	13.387
8129_8129	8129	8129	39.439	1.592	-0.072	-0.011	-0.581	-13.575
8129_8130	8129	8130	-44.392	17.706	0.072	0.011	1.541	-88.188
8130_8130	8130	8130	44.389	17.094	0.089	-0.003	-1.541	88.07
8130_8131	8130	8131	-45.069	1.112	-0.089	0.003	0.431	12.934
8131_8131	8131	8131	45.069	-1.112	0.089	-0.003	-0.431	-12.934
8131_8132	8131	8132	-45.749	19.318	-0.089	0.003	-0.679	-113.635
8132_8132	8132	8132	43.857	18.318	-0.011	-0.017	0.679	81.274
8132_8133	8132	8133	-43.046	-4.481	0.011	0.017	-0.579	26.216
8133_8133	8133	8133	43.045	4.481	-0.014	0.02	0.579	-26.215
8133_8134	8133	8134	-42.384	6.806	0.014	-0.02	-0.469	16.549
8134_8134	8134	8134	42.385	-6.806	-0.011	0.001	0.469	-16.549
8134_8135	8134	8135	-41.723	18.094	0.011	-0.001	-0.383	-80.598
8135_8135	8135	8135	41.74	18.309	0.046	-0.009	0.383	80.774
8135_8136	8135	8136	-40.688	-6.657	-0.046	0.009	-0.749	17.965
8136_8136	8136	8136	40.688	6.657	0.046	-0.009	0.749	-17.965
8136_8137	8136	8137	-39.635	4.995	-0.046	0.009	-1.114	23.488
8137_8137	8137	8137	39.636	-4.995	0.043	0.016	1.114	-23.488
8137_8138	8137	8138	-38.584	16.646	-0.043	-0.016	-1.457	-64.203
8138_8138	8138	8138	38.583	17.452	-0.05	-0.02	1.457	64.203
8138_8139	8138	8139	-38.122	-8.713	0.05	0.02	-1.159	13.715
8139_8139	8139	8139	38.121	8.713	-0.046	-0.036	1.159	-13.715
8139_8140	8139	8140	-37.66	0.026	0.046	0.036	-0.884	39.2
8140_8140	8140	8140	37.66	-0.026	-0.05	0.022	0.884	-39.2
8140_8141	8140	8141	-37.198	8.765	0.05	-0.022	-0.586	12.251
8141_8141	8141	8141	37.198	-8.765	-0.05	0.022	0.586	-12.251
8141_8142	8141	8142	-36.737	17.504	0.05	-0.022	-0.289	-67.131
8142_8142	8142	8142	36.736	17.167	-0.036	-0.014	0.289	67.13
8142_8143	8142	8143	-36.349	-5.515	0.036	0.014	-0.004	22.803
8143_8143	8143	8143	36.349	5.515	-0.038	0.009	0.004	-22.803
8143_8144	8143	8144	-35.961	6.137	0.038	-0.009	0.303	19.521
8144_8144	8144	8144	35.961	-6.137	-0.036	-0.009	-0.303	-19.521
8144_8145	8144	8145	-35.574	17.789	0.036	0.009	0.587	-76.975
8145_8145	8145	8145	35.574	16.877	0.004	-0.005	-0.587	76.975
8145_8146	8145	8146	-36.565	-5.589	-0.004	0.005	0.557	11.12
8146_8146	8146	8146	36.566	5.589	0.001	0.002	-0.557	-11.12
8146_8147	8146	8147	-37.556	5.699	-0.001	-0.002	0.55	11.735
8147_8147	8147	8147	37.636	-5.699	0.003	-0.003	-0.551	-11.83
8147_8148	8147	8148	-38.851	19.535	-0.003	0.003	0.525	-106.753
8148_8148	8148	8148	38.849	19.527	0.017	-0.006	-0.525	106.752
8148_8149	8148	8149	-38.122	-1.321	-0.017	0.006	0.313	22.312
8149_8149	8149	8149	38.121	1.321	0.015	0.008	-0.313	-22.312
8149_8150	8149	8150	-37.394	16.885	-0.015	-0.008	0.125	-76.199
8150_8150	8150	8150	37.395	13.104	-0.037	0.012	-0.125	76.199

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8150_8151	8150	8151	-18.376	6.194	0.037	-0.012	0.618	-52.177
8151_8151	8151	8151	66.904	-3.467	0.001	0.002	-0.128	-26.56
8151_8152	8151	8152	-113.283	21.317	-0.001	-0.002	0.113	-66.177
8152_8152	8152	8152	113.282	17.197	0.001	0.031	-0.113	66.177
8152_8153	8152	8153	-114.39	-4.663	-0.001	-0.031	0.105	25.917
8153_8153	8153	8153	114.582	4.664	0.002	-0.003	-0.106	-26.255
8153_8154	8153	8154	-116.438	16.225	-0.002	0.003	0.077	-50.021
8154_8154	8154	8154	116.438	18.369	0.003	-0.025	-0.077	50.021
8154_8155	8154	8155	-108.658	-1.659	-0.003	0.025	0.044	51.759
8155_8155	8155	8155	108.658	1.659	0.002	0.039	-0.044	-51.759
8155_8156	8155	8156	-100.878	15.052	-0.002	-0.039	0.026	-30.282
8156_8156	8156	8156	100.879	16.275	0.002	0.002	-0.026	30.282
8156_8157	8156	8157	-96.197	-1.084	-0.002	-0.002	0.009	51.469
8157_8157	8157	8157	96.197	1.084	0.002	0.002	-0.009	-51.469
8157_8158	8157	8158	-91.516	14.108	-0.002	-0.002	-0.008	-18.699
8158_8158	8158	8158	91.516	15.075	0.002	-0.034	0.008	18.699
8158_8159	8158	8159	-86.79	0.117	-0.002	0.034	-0.027	50.832
8159_8159	8159	8159	86.79	-0.117	0	0.027	0.027	-50.832
8159_8160	8159	8160	-82.064	15.309	0	-0.027	-0.032	-31.555
8160_8160	8160	8160	82.053	16.422	0.002	0.018	0.032	31.736
8160_8161	8160	8161	-76.772	0.288	-0.002	-0.018	-0.05	50.813
8161_8161	8161	8161	76.771	-0.288	0.003	-0.033	0.05	-50.813
8161_8162	8161	8162	-71.49	16.999	-0.003	0.033	-0.083	-50.459
8162_8162	8162	8162	71.49	15.425	0	-0.016	0.083	50.459
8162_8163	8162	8163	-72.918	5.464	0	0.016	-0.076	19.903
8163_8163	8163	8163	73.067	-5.464	-0.002	0.001	0.076	-20.11
8163_8164	8163	8164	-73.926	17.997	0.002	-0.001	-0.063	-75.535
8164_8164	8164	8164	73.925	18.85	0.007	-0.01	0.063	75.534
8164_8165	8164	8165	-51.352	-1	-0.007	0.01	-0.15	12.684
8165_8165	8165	8165	51.378	1.89	-0.018	-0.005	0.249	-12.752
8165_8166	8165	8166	-55.7	18.775	0.018	0.005	-0.007	-94.303
8166_8166	8166	8166	55.695	18.883	-0.001	0.007	0.007	94.163
8166_8167	8166	8167	-56.245	0.613	0.001	-0.007	0.003	20.835
8167_8167	8167	8167	56.244	-0.613	0.001	-0.008	-0.003	-20.836
8167_8168	8167	8168	-56.794	20.109	-0.001	0.008	-0.004	-107.866
8168_8168	8168	8168	56.78	20.658	0.001	0.001	0.004	107.747
8168_8169	8168	8169	-56.508	-5.841	-0.001	-0.001	-0.017	17.976
8169_8169	8169	8169	56.585	5.841	0	0.012	0.019	-18.073
8169_8170	8169	8170	-56.364	6.247	0	-0.012	-0.019	16.381
8170_8170	8170	8170	56.365	-6.247	0.002	-0.006	0.019	-16.381
8170_8171	8170	8171	-56.144	18.334	-0.002	0.006	-0.035	-78.989
8171_8171	8171	8171	56.138	19.353	0.002	-0.004	0.035	78.838
8171_8172	8171	8172	-54.748	-6.876	-0.002	0.004	-0.049	24.697
8172_8172	8172	8172	54.748	6.876	0	0.023	0.049	-24.697
8172_8173	8172	8173	-53.358	5.602	0	-0.023	-0.046	28.412
8173_8173	8173	8173	53.357	-5.602	0.002	-0.008	0.046	-28.412
8173_8174	8173	8174	-51.967	18.079	-0.002	0.008	-0.06	-67.693
8174_8174	8174	8174	51.971	18.805	-0.001	0.028	0.06	67.53
8174_8175	8174	8175	-51.449	-9.447	0.001	-0.028	-0.053	16.636
8175_8175	8175	8175	51.449	9.447	-0.001	0.028	0.053	-16.636
8175_8176	8175	8176	-50.928	-0.089	0.001	-0.028	-0.046	44.653
8176_8176	8176	8176	50.928	0.089	0.002	-0.039	0.046	-44.653
8176_8177	8176	8177	-50.407	9.269	-0.002	0.039	-0.056	16.521

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8177_8177	8177	8177	50.407	-9.269	-0.001	-0.019	0.056	-16.521
8177_8178	8177	8178	-49.885	18.628	0.001	0.019	-0.05	-67.759
8178_8178	8178	8178	49.889	18.431	-0.006	0.016	0.05	67.597
8178_8179	8178	8179	-49.299	-5.954	0.006	-0.016	-0.004	29.089
8179_8179	8179	8179	49.299	5.954	-0.004	-0.014	0.004	-29.09
8179_8180	8179	8180	-48.709	6.523	0.004	0.014	0.024	25.956
8180_8180	8180	8180	48.709	-6.523	-0.004	-0.014	-0.024	-25.956
8180_8181	8180	8181	-48.119	19.001	0.004	0.014	0.052	-76.997
8181_8181	8181	8181	48.116	18.026	0.002	0.006	-0.052	76.85
8181_8182	8181	8182	-48.941	-5.938	-0.002	-0.006	0.036	16.793
8182_8182	8182	8182	48.94	5.938	0.004	-0.008	-0.036	-16.793
8182_8183	8182	8183	-49.765	6.149	-0.004	0.008	0.003	16.757
8183_8183	8183	8183	49.87	-6.149	0.004	-0.002	-0.002	-16.877
8183_8184	8183	8184	-50.881	20.966	-0.004	0.002	-0.033	-110.961
8184_8184	8184	8184	50.871	20.87	-0.014	0.011	0.033	110.851
8184_8185	8184	8185	-49.88	-1.374	0.014	-0.011	0.145	26.822
8185_8185	8185	8185	49.881	1.374	-0.013	-0.006	-0.145	-26.822
8185_8186	8185	8186	-48.89	18.122	0.013	0.006	0.306	-79.206
8186_8186	8186	8186	48.882	14.99	0.02	0.001	-0.306	79.081
8186_8187	8186	8187	-31.5	5.676	-0.02	-0.001	0.038	-37.025
8187_8187	8187	8187	75.889	-3.298	0	0.019	0.007	-35.547
8187_8188	8187	8188	-121.973	22.414	0	-0.019	-0.005	-59.784
8188_8188	8188	8188	121.962	19.017	0	-0.008	0.005	59.618
8188_8189	8188	8189	-117.885	-5.595	0	0.008	-0.002	37.737
8189_8189	8189	8189	119.2	5.584	-0.001	0.022	0	-36.437
8189_8190	8189	8190	-112.389	16.786	0.001	-0.022	0.009	-47.402
8190_8190	8190	8190	112.398	19.326	0.002	0.042	-0.009	47.216
8190_8191	8190	8191	-105.879	-1.43	-0.002	-0.042	-0.011	59.37
8191_8191	8191	8191	105.88	1.43	0.003	-0.027	0.011	-59.369
8191_8192	8191	8192	-99.36	16.466	-0.003	0.027	-0.043	-30.898
8192_8192	8192	8192	99.371	17.2	-0.001	0.002	0.043	30.706
8192_8193	8192	8193	-95.186	-0.996	0.001	-0.002	-0.038	54.967
8193_8193	8193	8193	95.186	0.996	-0.001	0.002	0.038	-54.967
8193_8194	8193	8194	-90.997	15.224	0.001	-0.002	-0.032	-20.906
8194_8194	8194	8194	91.001	15.964	0.002	-0.003	0.032	20.908
8194_8195	8194	8195	-86.723	0.256	-0.002	0.003	-0.049	52.184
8195_8195	8195	8195	86.723	-0.256	0.002	-0.003	0.049	-52.184
8195_8196	8195	8196	-82.446	16.476	-0.002	0.003	-0.065	-36.438
8196_8196	8196	8196	82.463	17.501	-0.001	-0.007	0.065	36.248
8196_8197	8196	8197	-77.405	0.394	0.001	0.007	-0.055	51.464
8197_8197	8197	8197	77.405	-0.394	-0.001	-0.007	0.055	-51.464
8197_8198	8197	8198	-72.348	18.29	0.001	0.007	-0.045	-57.677
8198_8198	8198	8198	72.364	16.543	0.001	-0.016	0.045	57.493
8198_8199	8198	8199	-75.228	5.826	-0.001	0.016	-0.058	19.129
8199_8199	8199	8199	75.335	-5.826	0	0.001	0.059	-19.266
8199_8200	8199	8200	-77.052	19.231	0	-0.001	-0.059	-82.206
8200_8200	8200	8200	77.059	20.315	-0.006	-0.01	0.059	82.378
8200_8201	8200	8201	-52.511	-1.199	0.006	0.01	0.017	13.71
8201_8201	8201	8201	53.404	2.194	-0.041	-0.005	0.154	-15.269
8201_8202	8201	8202	-58.147	20.205	0.041	0.005	0.395	-99.015
8202_8202	8202	8202	58.15	20.329	0.054	0	-0.395	99.168
8202_8203	8202	8203	-58.889	0.801	-0.054	0	-0.275	24.114
8203_8203	8203	8203	58.889	-0.801	0.054	0	0.275	-24.114

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8203_8204	8203	8204	-59.629	21.932	-0.054	0	-0.946	-116.742
8204_8204	8204	8204	59.594	22.393	-0.041	0.006	0.946	116.802
8204_8205	8204	8205	-59.483	-6.334	0.041	-0.006	-0.555	19.594
8205_8205	8205	8205	59.647	6.334	-0.041	-0.004	0.564	-19.777
8205_8206	8205	8206	-59.557	6.768	0.041	0.004	-0.249	18.048
8206_8206	8206	8206	59.557	-6.768	-0.041	-0.004	0.249	-18.048
8206_8207	8206	8207	-59.468	19.869	0.041	0.004	0.065	-85.214
8207_8207	8207	8207	59.466	20.816	-0.027	0.004	-0.065	85.364
8207_8208	8207	8208	-58.375	-7.292	0.027	-0.004	0.28	25.927
8208_8208	8208	8208	58.375	7.292	-0.027	0.004	-0.28	-25.927
8208_8209	8208	8209	-57.283	6.232	0.027	-0.004	0.495	29.029
8209_8209	8209	8209	57.283	-6.232	-0.027	0.004	-0.495	-29.029
8209_8210	8209	8210	-56.192	19.756	0.027	-0.004	0.71	-76.059
8210_8210	8210	8210	56.199	20.393	-0.008	0.032	-0.71	76.251
8210_8211	8210	8211	-55.762	-10.25	0.008	-0.032	0.76	15.151
8211_8211	8211	8211	55.762	10.25	-0.008	0.032	-0.76	-15.151
8211_8212	8211	8212	-55.324	-0.107	0.008	-0.032	0.811	45.696
8212_8212	8212	8212	55.324	0.107	-0.006	-0.038	-0.811	-45.696
8212_8213	8212	8213	-54.887	10.036	0.006	0.038	0.846	15.384
8213_8213	8213	8213	54.887	-10.036	-0.008	-0.019	-0.846	-15.384
8213_8214	8213	8214	-54.45	20.179	0.008	0.019	0.896	-75.785
8214_8214	8214	8214	54.459	20.097	0.016	0	-0.896	75.987
8214_8215	8214	8215	-54.009	-6.573	-0.016	0	0.767	29.909
8215_8215	8215	8215	54.009	6.573	0.016	0	-0.767	-29.909
8215_8216	8215	8216	-53.559	6.951	-0.016	0	0.638	27.611
8216_8216	8216	8216	53.559	-6.951	0.016	0	-0.638	-27.611
8216_8217	8216	8217	-53.109	20.475	-0.016	0	0.508	-82.881
8217_8217	8217	8217	53.108	19.514	0.043	0.006	-0.508	82.868
8217_8218	8217	8218	-53.765	-6.413	-0.043	-0.006	0.179	18.443
8218_8218	8218	8218	53.765	6.413	0.043	0.006	-0.179	-18.443
8218_8219	8218	8219	-54.422	6.689	-0.043	-0.006	-0.151	18.217
8219_8219	8219	8219	54.467	-6.689	0.042	0.007	0.151	-18.262
8219_8220	8219	8220	-55.274	22.748	-0.042	-0.007	-0.554	-120.532
8220_8220	8220	8220	55.293	22.699	0.029	0.005	0.554	120.559
8220_8221	8220	8221	-53.972	-1.579	-0.029	-0.005	-0.914	28.8
8221_8221	8221	8221	53.972	1.579	0.029	0.005	0.914	-28.8
8221_8222	8221	8222	-52.649	19.559	-0.029	-0.005	-1.275	-85.924
8222_8222	8222	8222	52.629	16.747	-0.45	0.007	1.275	85.912
8222_8223	8222	8223	-37.065	5.659	0.45	-0.007	4.685	-30.301
8223_8223	8223	8223	75.525	-3.309	0.013	0.015	-0.232	-31.398
8223_8224	8223	8224	-121.714	24.001	-0.013	-0.015	0.074	-74.628
8224_8224	8224	8224	121.767	20.997	0.019	0.047	-0.074	74.473
8224_8225	8224	8225	-118.266	-6.468	-0.019	-0.047	-0.084	35.27
8225_8225	8225	8225	118.488	6.466	0.02	-0.012	0.084	-35.641
8225_8226	8225	8226	-112.235	19.489	-0.02	0.012	-0.373	-66.512
8226_8226	8226	8226	112.232	21.28	-0.003	0.218	0.373	66.451
8226_8227	8226	8227	-107.285	-1.038	0.003	-0.218	-0.335	56.153
8227_8227	8227	8227	107.285	1.038	-0.001	-0.21	0.335	-56.152
8227_8228	8227	8228	-102.337	19.209	0.001	0.21	-0.327	-53.852
8228_8228	8228	8228	102.331	20.362	0.013	0.028	0.327	54.007
8228_8229	8228	8229	-98.735	-0.109	-0.013	-0.028	-0.476	59.425
8229_8229	8229	8229	98.735	0.109	0.013	-0.036	0.476	-59.425
8229_8230	8229	8230	-95.142	20.127	-0.013	0.036	-0.63	-59.752

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8230_8230	8230	8230	95.141	21.258	0.012	0.279	0.63	59.777
8230_8231	8230	8231	-90.07	0.036	-0.012	-0.279	-0.769	62.577
8231_8231	8231	8231	90.07	-0.036	0.015	-0.301	0.769	-62.579
8231_8232	8231	8232	-85.002	21.322	-0.015	0.301	-0.951	-72.316
8232_8232	8232	8232	85.333	20.885	-0.054	-0.014	0.926	72.063
8232_8233	8232	8233	-85.089	2.808	0.054	0.014	-0.2	48.368
8233_8233	8233	8233	85.091	-2.808	-0.054	0.003	0.2	-48.368
8233_8234	8233	8234	-84.912	20.181	0.054	-0.003	0.334	-65.771
8234_8234	8234	8234	87.786	18.594	0.037	0.032	-0.334	60.997
8234_8235	8234	8235	-65.734	-0.832	-0.037	-0.032	-0.038	10.723
8235_8235	8235	8235	62.318	1.663	-0.011	-0.061	0.88	-5.174
8235_8236	8235	8236	-60.739	15.972	0.011	0.061	-0.78	-63.645
8236_8236	8236	8236	60.804	16.732	0.109	-0.076	0.78	63.549
8236_8237	8236	8237	-66.827	0.415	-0.109	0.076	-1.778	17.75
8237_8237	8237	8237	66.824	-0.415	0.108	0.058	1.778	-17.748
8237_8238	8237	8238	-73.621	19.766	-0.108	-0.058	-2.896	-79.08
8238_8238	8238	8238	73.839	22.916	-0.12	0.012	2.887	78.774
8238_8239	8238	8239	-68.796	6.845	0.12	-0.012	-0.987	43.853
8239_8239	8239	8239	68.795	-6.845	-0.12	-0.02	0.987	-43.853
8239_8240	8239	8240	-66.066	22.948	0.12	0.02	0.041	-86.998
8240_8240	8240	8240	65.981	20.957	-0.102	-0.002	-0.041	87.025
8240_8241	8240	8241	-65.756	-1.684	0.102	0.002	1.089	29.196
8241_8241	8241	8241	65.756	1.684	-0.102	0.009	-1.089	-29.196
8241_8242	8241	8242	-65.552	15.801	0.102	-0.009	2.039	-36.981
8242_8242	8242	8242	65.588	17.624	-0.059	-0.007	-2.039	36.81
8242_8243	8242	8243	-65.108	1.913	0.059	0.007	2.65	44.483
8243_8243	8243	8243	65.109	-1.913	-0.059	0.022	-2.65	-44.483
8243_8244	8243	8244	-64.686	19.117	0.059	-0.022	3.188	-52.713
8244_8244	8244	8244	64.666	19.003	0.102	0.185	-3.188	52.698
8244_8245	8244	8245	-64.026	-1.321	-0.102	-0.185	2.225	42.369
8245_8245	8245	8245	64.026	1.321	0.103	-0.159	-2.225	-42.37
8245_8246	8245	8246	-63.336	17.734	-0.103	0.159	1.181	-42.095
8246_8246	8246	8246	63.329	15.899	-0.227	0.003	-1.181	42.271
8246_8247	8246	8247	-63.202	2.723	0.227	-0.003	3.44	22.899
8247_8247	8247	8247	63.202	-2.723	-0.227	0.008	-3.44	-22.899
8247_8248	8247	8248	-63.079	20.855	0.227	-0.008	5.639	-91.586
8248_8248	8248	8248	63.18	22.482	0.5	0.25	-5.645	91.577
8248_8249	8248	8249	-63.943	-0.002	-0.5	-0.25	-0.352	44.054
8249_8249	8249	8249	63.937	0.002	0.501	-0.23	0.352	-44.052
8249_8250	8249	8250	-64.731	23.395	-0.501	0.23	-6.606	-101.395
8250_8250	8250	8250	64.702	22.003	-0.345	0.016	6.606	101.442
8250_8251	8250	8251	-62.746	-1.203	0.345	-0.016	-2.773	25.026
8251_8251	8251	8251	62.746	1.203	-0.345	-0.003	2.773	-25.026
8251_8252	8251	8252	-60.895	18.486	0.345	0.003	0.854	-68.118
8252_8252	8252	8252	60.889	18.187	0.089	-0.011	-0.854	68.062
8252_8253	8252	8253	-48.016	4.48	-0.089	0.011	-0.223	-0.119
8253_8253	8253	8253	48.019	-4.48	0.089	0.039	0.223	0.119
8253_8254	8253	8254	-37.893	22.311	-0.089	-0.039	-1.075	-139.485
8254_8254	8254	8254	94.918	19.753	-0.02	-0.022	0.556	46.91
8254_8255	8254	8255	-118.052	3.636	0.02	0.022	-0.316	76.919
8255_8255	8255	8255	118.05	-3.636	-0.02	0.047	0.316	-76.919
8255_8256	8255	8256	-142.799	28.656	0.02	-0.047	-0.06	-97.054
8256_8256	8256	8256	142.796	23.372	0.022	0.257	0.06	97.07

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8256_8257	8256	8257	-144.527	-0.327	-0.022	-0.257	-0.321	43.285
8257_8257	8257	8257	144.536	0.327	0.022	-0.249	0.321	-43.28
8257_8258	8257	8258	-146.227	22.202	-0.022	0.249	-0.573	-79.279
8258_8258	8258	8258	146.256	21.276	0.005	0	0.573	79.124
8258_8259	8258	8259	-154.339	1.93	-0.005	0	-0.637	43.926
8259_8259	8259	8259	154.34	-1.93	0.005	-0.016	0.637	-43.926
8259_8260	8259	8260	-162.125	24.277	-0.005	0.016	-0.699	-95.136
8260_8260	8260	8260	162.104	21.542	-0.003	0.376	0.699	95.333
8260_8261	8260	8261	-165.004	-3.61	0.003	-0.376	-0.668	21.996
8261_8261	8261	8261	165.001	3.61	-0.004	-0.28	0.668	-21.987
8261_8262	8261	8262	-169.472	24.037	0.004	0.28	-0.617	-115.927
8262_8262	8262	8262	169.756	24.815	0.002	-0.05	0.639	115.263
8262_8263	8262	8263	-153.302	0.33	-0.002	0.05	-0.659	20.757
8263_8263	8263	8263	153.301	-0.33	0.002	-0.011	0.659	-20.757
8263_8264	8263	8264	-138.943	22.271	-0.002	0.011	-0.677	-121.939
8264_8264	8264	8264	138.905	25.633	0.011	-0.022	0.677	121.989
8264_8265	8264	8265	-124.72	-1.759	-0.011	0.022	-0.806	26.875
8265_8265	8265	8265	124.721	1.759	0.011	-0.015	0.806	-26.875
8265_8266	8265	8266	-109.75	23.436	-0.011	0.015	-0.943	-128.812
8266_8266	8266	8266	109.875	23.363	0.02	-0.035	0.943	128.705
8266_8267	8266	8267	-113.799	-2.654	-0.02	0.035	-1.153	11.239
8267_8267	8267	8267	113.797	2.654	0.02	-0.006	1.153	-11.238
8267_8268	8267	8268	-116.942	13.941	-0.02	0.006	-1.321	-33.248
8268_8268	8268	8268	71.552	21.684	-0.163	0.048	1.652	107.658
8268_8269	8268	8269	-79.872	3.842	0.163	-0.048	0.417	14.669
8269_8269	8269	8269	79.87	-3.842	-0.163	-0.073	-0.417	-14.671
8269_8270	8269	8270	-86.705	24.811	0.163	0.073	2.116	-127.643
8270_8270	8270	8270	86.707	33.161	0.089	0.01	-2.116	127.554
8270_8271	8270	8271	-53.727	-9.682	-0.089	-0.01	1.074	87.615
8271_8271	8271	8271	53.727	9.682	0.089	-0.013	-1.074	-87.615
8271_8272	8271	8272	-19.712	14.532	-0.089	0.013	0	21.932
8372_8372	8372	8372	32.487	10.498	-0.2	-0.018	0.14	-43.386
8372_8373	8372	8373	-32.487	8.025	0.2	0.018	2.337	58.717
8373_8373	8373	8373	60.552	-8.025	-0.202	0.015	-2.055	-95.979
8373_8374	8373	8374	-60.552	25.053	0.202	-0.015	4.359	-92.5
8374_8374	8374	8374	72.639	15.403	0.103	0.001	-3.887	76.49
8374_8375	8374	8375	-72.639	0.286	-0.103	-0.001	2.805	2.877
8375_8375	8375	8375	69.944	-0.286	0.089	0.002	-2.108	0.873
8375_8376	8375	8376	-69.944	14.635	-0.089	-0.002	1.25	-72.523
8376_8376	8376	8376	68.652	18.275	0.168	0.213	-0.851	74.807
8376_8377	8376	8377	-68.652	-1.018	-0.168	-0.213	-1.085	36.606
8377_8377	8377	8377	68.663	1.018	0.115	-0.216	1.452	-36.647
8377_8378	8377	8378	-68.663	17.215	-0.115	0.216	-2.86	-62.178
8378_8378	8378	8378	68.467	16.629	-0.193	0.004	3.351	62.434
8378_8379	8378	8379	-68.467	1.886	0.193	-0.004	-0.964	28.91
8379_8379	8379	8379	68.221	-1.886	-0.196	0.011	1.264	-28.373
8379_8380	8379	8380	-68.221	18.628	0.196	-0.011	0.932	-86.558
8380_8380	8380	8380	66.812	17.672	0.003	0.042	-0.702	87.663
8380_8381	8380	8381	-66.812	-2.134	-0.003	-0.042	0.672	15.319
8381_8381	8381	8381	64.338	2.134	-0.032	-0.014	-0.348	-12.142
8381_8382	8381	8382	-64.338	12.614	0.032	0.014	0.668	-39.576
8382_8382	8382	8382	61.557	16.952	-0.025	0.041	-0.349	43.308
8382_8383	8382	8383	-61.557	-0.279	0.025	-0.041	0.633	52.833

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8383_8383	8383	8383	58.429	0.277	-0.028	0.003	-0.472	-48.729
8383_8384	8383	8384	-58.429	16.936	0.028	-0.003	0.789	-47.227
8384_8384	8384	8384	67.912	17.323	-0.049	-0.001	0.115	30.034
8384_8385	8384	8385	-67.912	-0.799	0.049	0.001	0.436	71.007
8385_8385	8385	8385	57.535	0.799	-0.045	0.06	0.214	-56.461
8385_8386	8385	8386	-57.535	15.736	0.045	-0.06	0.287	-26.884
8386_8386	8386	8386	53.053	17.802	-0.016	0.256	0.145	32.816
8386_8387	8386	8387	-53.053	-1.385	0.016	-0.256	0.03	73.479
8387_8387	8387	8387	54.571	1.385	-0.028	-0.169	0.298	-75.743
8387_8388	8387	8388	-54.571	17.393	0.028	0.169	0.051	-25.692
8388_8388	8388	8388	56.021	17.628	-0.043	0.005	0.427	24.132
8388_8389	8388	8389	-56.021	0.266	0.043	-0.005	0.098	80.695
8389_8389	8389	8389	57.28	-0.266	-0.044	0.047	0.436	-82.543
8389_8390	8389	8390	-57.28	17.578	0.044	-0.047	0.082	-21.695
8390_8390	8390	8390	58.709	17.321	-0.042	0.24	0.466	19.79
8390_8391	8390	8391	-58.709	1.521	0.042	-0.24	0.065	80.668
8391_8391	8391	8391	60.225	-1.521	-0.081	-0.238	0.675	-82.81
8391_8392	8391	8392	-60.225	17.884	0.081	0.238	0.216	-24.339
8392_8392	8392	8392	61.8	17.154	-0.07	-0.012	0.7	21.842
8392_8393	8392	8393	-61.8	-0.284	0.07	0.012	0.101	77.423
8393_8393	8393	8393	63.617	0.284	-0.057	0.026	0.771	-79.899
8393_8394	8393	8394	-63.617	18.038	0.057	-0.026	-0.066	-29.866
8394_8394	8394	8394	65.768	16.541	-0.087	0.239	0.834	26.603
8394_8395	8394	8395	-65.768	1.074	0.087	-0.239	0.206	65.329
8395_8395	8395	8395	68.175	-1.074	-0.121	-0.249	0.697	-68.522
8395_8396	8395	8396	-68.175	18.635	0.121	0.249	0.739	-48.261
8396_8396	8396	8396	67.557	18.687	0.037	-0.039	0.234	49.55
8396_8397	8396	8397	-67.557	-0.925	-0.037	0.039	-0.678	67.99
8397_8397	8397	8397	63.851	0.925	0.038	0.009	1.514	-63.111
8397_8398	8397	8398	-63.851	16.495	-0.038	-0.009	-1.959	-28.41
8398_8398	8398	8398	40.618	18.591	-0.533	0.002	3.857	59.208
8398_8399	8398	8399	-40.618	-3.733	0.533	-0.002	1.486	52.718
8572_8572	8572	8572	17.852	10.585	-0.169	0.006	0	-23.874
8572_8573	8572	8573	-50.381	7.943	0.169	-0.006	2.09	75.996
8573_8573	8573	8573	50.381	-7.943	-0.169	-0.004	-2.09	-75.996
8573_8574	8573	8574	-80.076	24.857	0.169	0.004	3.998	-77.023
8574_8574	8574	8574	80.094	15.876	0.124	0	-3.998	76.989
8574_8575	8574	8575	-73.494	-0.471	-0.124	0	2.721	-0.333
8575_8575	8575	8575	73.494	0.471	0.124	0.002	-2.721	0.332
8575_8576	8575	8576	-67.415	13.717	-0.124	-0.002	1.545	-70.235
8576_8576	8576	8576	67.356	17.732	0.238	0.227	-1.545	69.878
8576_8577	8576	8577	-68.704	-0.408	-0.238	-0.227	-1.217	36.813
8577_8577	8577	8577	68.861	0.408	0.239	-0.186	1.21	-37.012
8577_8578	8577	8578	-70.301	18.075	-0.239	0.186	-4.162	-70.618
8578_8578	8578	8578	70.294	17.528	-0.238	-0.018	4.162	70.686
8578_8579	8578	8579	-68.934	0.584	0.238	0.018	-1.275	30.147
8579_8579	8579	8579	68.934	-0.584	-0.238	-0.002	1.275	-30.147
8579_8580	8579	8580	-67.655	17.607	0.238	0.002	1.439	-75.23
8580_8580	8580	8580	67.73	17.15	0.052	0.066	-1.439	76.073
8580_8581	8580	8581	-65.872	-1.914	-0.052	-0.066	0.911	19.407
8581_8581	8581	8581	65.875	1.914	0.052	-0.036	-0.911	-19.407
8581_8582	8581	8582	-64.05	13.054	-0.052	0.036	0.393	-38.083
8582_8582	8582	8582	64.068	16.759	-0.005	0.018	-0.393	37.954

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8582_8583	8582	8583	-60.643	-0.551	0.005	-0.018	0.444	52.306
8583_8583	8583	8583	60.735	0.55	-0.005	0.041	-0.444	-52.414
8583_8584	8583	8584	-57.033	16.96	0.005	-0.041	0.497	-47.661
8584_8584	8584	8584	73.307	17.282	0.01	0.057	-0.219	21.189
8584_8585	8584	8585	-61.262	-0.51	-0.01	-0.057	0.106	64.751
8585_8585	8585	8585	61.262	0.51	0.01	0.006	-0.106	-64.751
8585_8586	8585	8586	-49.64	15.672	-0.01	-0.006	-0.003	-32.269
8586_8586	8586	8586	49.652	17.528	0.007	0.273	0.003	32.329
8586_8587	8586	8587	-51.88	-1.319	-0.007	-0.273	-0.077	73.725
8587_8587	8587	8587	51.882	1.319	0.007	-0.177	0.077	-73.726
8587_8588	8587	8588	-54.478	17.573	-0.007	0.177	-0.164	-26.437
8588_8588	8588	8588	54.446	17.537	0.002	0.016	0.164	25.538
8588_8589	8588	8589	-55.386	0.18	-0.002	-0.016	-0.187	79.55
8589_8589	8589	8589	55.387	-0.18	0.002	0.036	0.187	-79.55
8589_8590	8589	8590	-56.308	17.546	-0.002	-0.036	-0.21	-23.027
8590_8590	8590	8590	56.308	17.226	0.003	0.243	0.21	23.063
8590_8591	8590	8591	-58.204	1.501	-0.003	-0.243	-0.253	78.63
8591_8591	8591	8591	58.199	-1.501	0.003	-0.242	0.253	-78.632
8591_8592	8591	8592	-59.855	17.858	-0.003	0.242	-0.29	-26.186
8592_8592	8592	8592	59.858	17.212	0.003	0.004	0.29	26.698
8592_8593	8592	8593	-61.291	-0.583	-0.003	-0.004	-0.325	74.846
8593_8593	8593	8593	61.291	0.583	0.003	0.005	0.325	-74.846
8593_8594	8593	8594	-62.88	17.869	-0.003	-0.005	-0.362	-30.905
8594_8594	8594	8594	62.881	16.249	-0.004	0.214	0.362	31.438
8594_8595	8594	8595	-67.184	1.374	0.004	-0.214	-0.315	61.762
8595_8595	8595	8595	67.173	-1.374	-0.004	-0.231	0.315	-61.766
8595_8596	8595	8596	-71.437	18.834	0.004	0.231	-0.268	-52.591
8596_8596	8596	8596	71.409	19.17	0.013	-0.031	0.268	52.291
8596_8597	8596	8597	-65.187	-1.448	-0.013	0.031	-0.428	63.948
8597_8597	8597	8597	65.187	1.448	0.013	-0.013	0.428	-63.947
8597_8598	8597	8598	-59.095	15.904	-0.013	0.013	-0.585	-27.616
8598_8598	8598	8598	59.184	19.517	-0.088	-0.028	0.585	27.49
8598_8599	8598	8599	-19.074	-9.635	0.088	0.028	0	24.536
9000_9000	9000	9000	55.598	391.984	4.224	8.355	0	-375.809
9000_9001	9000	9001	-35.782	-364.248	-4.224	-8.355	-35.059	3422.916
9001_9001	9001	9001	35.794	364.244	4.234	4.218	35.059	-3422.93
9001_9002	9001	9002	-17.059	-334.522	-4.234	-4.218	-72.714	6444.117
9002_9002	9002	9002	17.067	320.721	-3.972	12.179	72.714	-6444.12
9002_9003	9002	9003	6.261	-280.342	3.972	-12.179	-24.716	9968.299
9003_9003	9003	9003	-6.272	280.336	-3.96	-4.001	24.716	-9968.3
9003_9004	9003	9004	24.838	-239.933	3.96	4.001	23.161	13028.26
9004_9004	9004	9004	-24.837	218.377	0.803	15.355	-23.161	-13028.3
9004_9005	9004	9005	39.426	-178.011	-0.803	-15.355	13.466	15355.55
9005_9005	9005	9005	-39.424	178.006	0.815	-9.872	-13.466	-15355.6
9005_9006	9005	9006	49.249	-137.616	-0.815	9.872	3.616	17218.22
9006_9006	9006	9006	-49.248	115.878	0.309	8.489	-3.616	-17218.2
9006_9007	9006	9007	56.737	-75.493	-0.309	-8.489	-0.12	18340.65
9007_9007	9007	9007	-56.737	75.488	0.315	-5.686	0.12	-18340.7
9007_9008	9007	9008	59.452	-35.107	-0.315	5.686	-3.925	18997
9008_9008	9008	9008	-59.452	13.076	-0.145	-1.203	3.925	-18997
9008_9009	9008	9009	60.192	27.326	0.145	1.203	-2.171	18908.17
9009_9009	9009	9009	-60.192	-27.331	-0.146	0.688	2.171	-18908.2
9009_9010	9009	9010	56.159	67.699	0.146	-0.688	-0.409	18353.59

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9010_9010	9010	9010	-56.159	-90.823	0.865	11.656	0.409	-18353.6
9010_9011	9010	9011	50.128	131.216	-0.865	-11.656	-10.863	17040.33
9011_9011	9011	9011	-50.127	-131.221	0.876	-14.62	10.863	-17040.3
9011_9012	9011	9012	39.323	171.606	-0.876	14.62	-21.455	15261.28
9012_9012	9012	9012	-39.323	-193.901	0.574	7.259	21.455	-15261.3
9012_9013	9012	9013	26.238	234.281	-0.574	-7.259	-28.395	12735.62
9013_9013	9013	9013	-26.238	-234.286	0.586	-12.198	28.395	-12735.6
9013_9014	9013	9014	8.385	274.658	-0.586	12.198	-35.474	9744.699
9014_9014	9014	9014	-8.382	-296.147	0.561	1.978	35.474	-9744.7
9014_9015	9014	9015	-18.93	348.095	-0.561	-1.978	-44.19	4864.577
9015_9015	9015	9015	17.542	-346.951	0.392	-5.759	41.287	-4826.92
9015_9016	9015	9016	-37.987	372.916	-0.392	5.768	-44.525	1934.754
9016_9016	9016	9016	62.327	-393.136	-3.363	-4.186	62.974	-2013.81
9016_9017	9016	9017	-91.139	430.395	3.363	4.203	-23.417	-2704.7
9017_9017	9017	9017	103.182	-428.515	-3.347	1.033	23.657	2703.936
9017_9018	9017	9018	-131.173	473.361	3.347	-1.004	20.783	-8540.59
9018_9018	9018	9018	146.168	-493.166	4.28	-13.254	-22.073	8540.793
9018_9019	9018	9019	-165.796	537.453	-4.28	13.183	-31.632	-14858.8
9019_9019	9019	9019	180.332	-534.646	4.292	9.729	34.053	14859.54
9019_9020	9019	9020	-194.426	581.558	-4.292	-9.808	-88.098	-21733.8
9020_9020	9020	9020	-2103.44	181.276	-25.175	-3.215	543.461	3956.03
9020_9021	9020	9021	2123.201	-150.572	25.175	3.215	-304.233	-2458.82
9021_9021	9021	9021	-2118.47	150.479	-20.427	1.967	306.012	2435.525
9021_9022	9021	9022	2132.906	-127.59	20.427	-1.967	-147.93	-1417.65
9022_9022	9022	9022	-2132.89	127.579	-22.528	0.637	147.93	1417.646
9022_9023	9022	9023	2145.147	-104.628	22.528	-0.637	26.888	-566.035
9023_9023	9023	9023	-2145.21	85.616	-4.708	-0.194	-26.888	566.026
9023_9024	9023	9024	2155.364	-61.956	4.708	0.194	64.554	-16.624
9024_9024	9024	9024	-2155.36	61.945	-4.708	-0.194	-64.554	16.624
9024_9025	9024	9025	2163.159	-38.285	4.708	0.194	102.219	352.904
9025_9025	9025	9025	-2163.16	34.893	-2.073	-0.48	-102.219	-352.903
9025_9026	9025	9026	2166.197	-11.237	2.073	0.48	118.8	525.168
9026_9026	9026	9026	-2166.2	-5.36	-4.881	0.003	-118.8	-525.16
9026_9027	9026	9027	2167.307	23.095	4.881	-0.003	148.067	435.371
9027_9027	9027	9027	-2167.31	-23.104	-0.981	-0.523	-148.067	-435.371
9027_9028	9027	9028	2167.098	40.865	0.981	0.523	153.961	244.158
9028_9028	9028	9028	-2167.1	-40.874	-1.364	-0.506	-153.961	-244.158
9028_9029	9028	9029	2165.557	58.606	1.364	0.506	162.141	-47.852
9029_9029	9029	9029	-2165.56	-58.614	-0.981	-0.473	-162.141	47.852
9029_9030	9029	9030	2162.686	76.376	0.981	0.473	168.035	-441.628
9030_9030	9030	9030	-2162.69	-93.223	1.516	-1.5	-168.035	441.625
9030_9031	9030	9031	2157.31	116.869	-1.516	1.5	155.914	-1259.85
9031_9031	9031	9031	-2157.31	-116.881	1.516	-1.5	-155.914	1259.851
9031_9032	9031	9032	2149.578	140.528	-1.516	1.5	143.792	-2257.76
9032_9032	9032	9032	-2149.57	-140.54	4.433	1.651	-143.792	2257.754
9032_9033	9032	9033	2139.472	164.213	-4.433	-1.651	108.311	-3436.75
9033_9033	9033	9033	-2139.43	-182.897	15.713	-5.272	-108.311	3436.782
9033_9034	9033	9034	2127.379	205.825	-15.713	5.272	-13.5	-4895.01
9034_9034	9034	9034	-2127.38	-205.836	15.713	-5.272	13.5	4895.011
9034_9035	9034	9035	2113.108	228.765	-15.713	5.272	-135.311	-6522.17
9035_9035	9035	9035	-2118.61	-228.862	20.698	9.82	133.996	6549.185
9035_9036	9035	9036	2099.127	259.556	-20.698	-9.82	-330.616	-8790.7
9036_9036	9036	9036	174.413	496.635	-3.222	-26.636	47.387	27766.93

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9036_9037	9036	9037	-164.248	-449.729	3.222	26.582	-6.85	-21942.4
9037_9037	9037	9037	151.984	451.926	-3.136	25.32	1.451	21941.71
9037_9038	9037	9038	-137.318	-407.584	3.136	-25.368	37.915	-16671.9
9038_9038	9038	9038	124.902	389.832	2.215	-3.925	-35.329	16671.9
9038_9039	9038	9039	-103.292	-344.978	-2.215	3.963	5.931	-11922.8
9039_9039	9039	9039	534.668	340.516	1.141	4.754	-10.314	9555.763
9039_9040	9039	9040	-520.239	-303.011	-1.141	-4.763	-3.105	-5931.16
9040_9040	9040	9040	513.735	284.122	0.333	0.324	3.294	5932.14
9040_9041	9040	9041	-483.106	-258.221	-0.333	-0.322	-6.039	-3850.51
9041_9041	9041	9041	553.67	259.966	0.381	0.534	4.278	3492.45
9041_9042	9041	9042	-469.595	-216.749	-0.381	-0.534	-10.031	-256.334
9042_9042	9042	9042	469.596	196.039	-0.158	2.417	10.031	256.328
9042_9043	9042	9043	-408.652	-162.075	0.158	-2.417	-8.15	1603.373
9043_9043	9043	9043	408.652	162.08	-0.116	-1.718	8.15	-1603.37
9043_9044	9043	9044	-353.407	-128.147	0.116	1.718	-6.778	3080.925
9044_9044	9044	9044	353.406	103.61	-0.077	3.016	6.778	-3080.92
9044_9045	9044	9045	-305.464	-69.653	0.077	-3.016	-5.868	3894.234
9045_9045	9045	9045	305.464	69.659	-0.029	-2.622	5.868	-3894.23
9045_9046	9045	9046	-263.174	-35.705	0.029	2.622	-5.519	4326.742
9046_9046	9046	9046	263.174	14.322	0.003	2.525	5.519	-4326.74
9046_9047	9046	9047	-224.049	19.627	-0.003	-2.525	-5.558	4114.813
9047_9047	9047	9047	224.048	-19.621	0.051	-2.56	5.558	-4114.81
9047_9048	9047	9048	-190.572	53.567	-0.051	2.56	-6.158	3522.33
9048_9048	9048	9048	190.572	-74.754	0.149	1.231	6.158	-3522.33
9048_9049	9048	9049	-160.325	108.696	-0.149	-1.231	-7.927	2288.33
9049_9049	9049	9049	160.325	-108.69	0.196	-1.671	7.927	-2288.33
9049_9050	9049	9050	-135.724	142.629	-0.196	1.671	-10.258	674.015
9050_9050	9050	9050	135.722	-162.839	-0.177	-0.853	10.258	-674.009
9050_9051	9050	9051	-109.939	206.097	0.177	0.853	-7.577	-2251.19
9051_9051	9051	9051	110.098	-204.947	-0.095	0.946	7.888	2262.486
9051_9052	9051	9052	-100.076	229.183	0.095	-0.94	-7.104	-4110.89
9052_9052	9052	9052	105.756	-247.452	-1.076	-1.25	7.057	4111.527
9052_9053	9052	9053	-95.045	282.375	1.076	1.235	5.589	-7302.33
9053_9053	9053	9053	89.128	-280.973	-2.277	0.464	3.403	7376.992
9053_9054	9053	9054	-90.713	325.312	2.277	-0.435	26.83	-11422.9
9054_9054	9054	9054	101.683	-343.24	2.256	-7.448	-27.585	11424.75
9054_9055	9054	9055	-108.482	386.822	-2.256	7.412	-0.732	-15996.6
9055_9055	9055	9055	119.132	-383.9	2.3	5.937	2.095	15999.52
9055_9056	9055	9056	-129.422	429.781	-2.3	-5.979	-31.048	-21081.7
9056_9056	9056	9056	-1801.78	243.09	-18.997	-5.157	334.804	6216.032
9056_9057	9056	9057	1828.278	-212.724	18.997	5.157	-154.356	-4162.12
9057_9057	9057	9057	-1829.22	212.717	-15.464	3.05	155.606	4131.69
9057_9058	9057	9058	1848.632	-188.396	15.464	-3.05	-35.726	-2658.2
9058_9058	9058	9058	-1848.65	188.396	-12.891	6.972	35.726	2658.189
9058_9059	9058	9059	1865.96	-164.078	12.891	-6.972	64.203	-1364.97
9059_9059	9059	9059	-1865.98	146.274	-4.937	-0.29	-64.203	1364.947
9059_9060	9059	9060	1881.634	-121.2	4.937	0.29	103.661	-362.479
9060_9060	9060	9060	-1881.64	117.813	-2.257	1.094	-103.661	362.477
9060_9061	9060	9061	1892.803	-92.71	2.257	-1.094	121.721	431.324
9061_9061	9061	9061	-1892.8	92.711	-2.257	1.094	-121.721	-431.324
9061_9062	9061	9062	1901.732	-67.607	2.257	-1.094	139.781	1033.197
9062_9062	9062	9062	-1901.73	51.577	0.391	0.517	-139.781	-1033.2
9062_9063	9062	9063	1907.339	-32.737	-0.391	-0.517	137.434	1261.047

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9063_9063	9063	9063	-1907.34	32.737	-3.175	1.105	-137.434	-1261.04
9063_9064	9063	9064	1911.682	-13.926	3.175	-1.105	156.47	1380.683
9064_9064	9064	9064	-1911.68	13.926	3.479	-0.211	-156.47	-1380.69
9064_9065	9064	9065	1914.77	4.881	-3.479	0.211	135.612	1392.564
9065_9065	9065	9065	-1914.77	-4.88	0.391	0.347	-135.612	-1392.56
9065_9066	9065	9066	1916.61	23.72	-0.391	-0.347	133.265	1296.451
9066_9066	9066	9066	-1916.61	-39.686	2.099	0.024	-133.265	-1296.46
9066_9067	9066	9067	1917.631	64.782	-2.099	-0.024	116.477	870.66
9067_9067	9067	9067	-1917.63	-64.782	4.593	0.324	-116.477	-870.662
9067_9068	9067	9068	1916.413	89.876	-4.593	-0.324	79.74	253.104
9068_9068	9068	9068	-1916.41	-89.875	4.593	0.324	-79.74	-253.104
9068_9069	9068	9069	1912.967	114.97	-4.593	-0.324	43.003	-556.245
9069_9069	9069	9069	-1912.93	-132.411	15.255	-3.354	-43.003	556.26
9069_9070	9069	9070	1907.53	156.717	-15.255	3.354	-75.181	-1658.47
9070_9070	9070	9070	-1907.53	-156.716	15.428	-3.111	75.181	1658.469
9070_9071	9070	9071	1900.019	181.053	-15.428	3.111	-194.859	-2942.37
9071_9071	9071	9071	-1898.18	-181.064	18.935	4.478	195.596	2969.771
9071_9072	9071	9072	1886.144	211.436	-18.935	-4.478	-375.479	-4790.39
9072_9072	9072	9072	82.26	464.989	-2.204	-11.685	41.599	19277.38
9072_9073	9072	9073	-47.938	-419.413	2.204	11.64	-13.863	-13874.6
9073_9073	9073	9073	36.432	422.054	-2.113	14.669	11.111	13872.57
9073_9074	9073	9074	2.612	-378.807	2.113	-14.709	15.426	-8991.73
9074_9074	9074	9074	-14.197	363.61	2.429	1.814	-14.175	8990.505
9074_9075	9074	9075	56.581	-319.633	-2.429	-1.77	-18.063	-4588.72
9075_9075	9075	9075	382.973	315.472	1.28	0.788	4.102	2178.078
9075_9076	9075	9076	-363.74	-281.121	-1.28	-0.794	-19.154	1193.012
9076_9076	9076	9076	357.664	264.559	-0.377	2.419	19.147	-1192.44
9076_9077	9076	9077	-331.255	-240.772	0.377	-2.417	-16.035	3152.724
9077_9077	9077	9077	302.953	239.397	-0.391	-0.384	18.385	-3115.05
9077_9078	9077	9078	-259.673	-197.825	0.391	0.384	-13.028	5916.633
9078_9078	9078	9078	259.674	180.204	-0.228	5.602	13.028	-5916.65
9078_9079	9078	9079	-227.694	-146.379	0.228	-5.602	-10.485	7592.893
9079_9079	9079	9079	227.694	146.389	-0.177	-3.557	10.485	-7592.89
9079_9080	9079	9080	-200.135	-112.535	0.177	3.557	-8.509	8911.775
9080_9080	9080	9080	200.135	94.164	-0.103	0.684	8.509	-8911.77
9080_9081	9080	9081	-174.901	-60.314	0.103	-0.684	-7.363	9657.366
9081_9081	9081	9081	174.901	60.324	-0.103	0.684	7.363	-9657.37
9081_9082	9081	9082	-154.117	-26.474	0.103	-0.684	-6.218	10044.11
9082_9082	9082	9082	154.116	6.963	-0.113	4.378	6.218	-10044.1
9082_9083	9082	9083	-134.01	29.433	0.113	-4.378	-4.856	9813.61
9083_9083	9083	9083	134.009	-29.422	-0.071	-4.192	4.856	-9813.61
9083_9084	9083	9084	-119.058	65.787	0.071	4.192	-4.005	9169.011
9084_9084	9084	9084	119.059	-85.372	0.024	3.434	4.005	-9169.02
9084_9085	9084	9085	-107.19	119.214	-0.024	-3.434	-4.277	7967.397
9085_9085	9085	9085	107.19	-119.204	0.073	-4.275	4.277	-7967.4
9085_9086	9085	9086	-99.77	153.045	-0.073	4.275	-5.087	6407.168
9086_9086	9086	9086	99.769	-171.898	-0.057	1.204	5.087	-6407.16
9086_9087	9086	9087	-94.402	205.768	0.057	-1.204	-4.45	4265.54
9087_9087	9087	9087	94.401	-205.758	-0.011	-2.718	4.45	-4265.54
9087_9088	9087	9088	-93.487	239.596	0.011	2.718	-4.327	1767.164
9088_9088	9088	9088	93.485	-257.292	-0.199	-1.721	4.327	-1767.15
9088_9089	9088	9089	-95.901	297.257	0.199	1.721	-1.709	-1888.38
9089_9089	9089	9089	99.855	-296.126	-0.188	-0.364	1.338	1913.656

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9089_9090	9089	9090	-103.915	321.116	0.188	0.37	0.218	-4454.31
9090_9090	9090	9090	111.51	-341.765	-0.414	-6.31	-0.424	4454.802
9090_9091	9090	9091	-121.11	377.645	0.414	6.291	5.288	-8654.61
9091_9091	9091	9091	120.933	-375.263	-1.408	3.498	0.848	8713.11
9091_9092	9091	9092	-135.064	419.238	1.408	-3.47	17.845	-13929.6
9092_9092	9092	9092	148.538	-436.505	1.307	-24.363	-20.266	13931.08
9092_9093	9092	9093	-160.538	479.795	-1.307	24.305	3.855	-19616.5
9093_9093	9093	9093	173.645	-476.145	1.44	23.18	1.02	19619.21
9093_9094	9093	9094	-184.531	521.774	-1.44	-23.246	-19.149	-25822.6
9094_9094	9094	9094	-2071.03	217.054	-13.84	-4.237	205.068	6873.653
9094_9095	9094	9095	2092.421	-186.915	13.84	4.237	-73.626	-5042.65
9095_9095	9095	9095	-2094.46	186.984	-10.298	3.806	72.575	5052.508
9095_9096	9095	9096	2109.038	-162.957	10.298	-3.806	7.293	-3755.23
9096_9096	9096	9096	-2109.04	162.962	-10.405	3.614	-7.293	3755.232
9096_9097	9096	9097	2121.601	-138.966	10.405	-3.614	87.888	-2637.59
9097_9097	9097	9097	-2121.64	121.063	1.905	-1.663	-87.888	2637.547
9097_9098	9097	9098	2132.44	-96.262	-1.905	1.663	72.638	-1812.35
9098_9098	9098	9098	-2132.44	96.267	4.579	1.047	-72.638	1812.345
9098_9099	9098	9099	2141.094	-71.498	-4.579	-1.047	36.027	-1177.82
9099_9099	9099	9099	-2141.09	71.503	4.676	1.121	-36.027	1177.816
9099_9100	9099	9100	2147.628	-46.704	-4.676	-1.121	-1.407	-732.333
9100_9100	9100	9100	-2147.61	31.68	-0.747	-0.642	1.407	732.324
9100_9101	9100	9101	2151.439	-13.081	0.747	0.642	3.078	-614.409
9101_9101	9101	9101	-2151.44	13.085	-0.87	-0.711	-3.078	614.409
9101_9102	9101	9102	2154.061	5.483	0.87	0.711	8.294	-603.262
9102_9102	9102	9102	-2154.06	-5.479	-0.747	-0.641	-8.294	603.262
9102_9103	9102	9103	2155.487	24.078	0.747	0.641	12.779	-698.847
9103_9103	9103	9103	-2155.49	-24.074	2.949	1.681	-12.779	698.846
9103_9104	9103	9104	2155.711	42.672	-2.949	-1.681	-4.923	-901.256
9104_9104	9104	9104	-2155.73	-57.621	-5.808	-2.182	4.923	901.265
9104_9105	9104	9105	2154.607	82.387	5.808	2.182	41.506	-1457.98
9105_9105	9105	9105	-2154.61	-82.382	-2.949	0.636	-41.506	1457.978
9105_9106	9105	9106	2151.36	107.178	2.949	-0.636	65.109	-2205.15
9106_9106	9106	9106	-2151.36	-107.172	-3.032	0.526	-65.109	2205.147
9106_9107	9106	9107	2145.98	131.937	3.032	-0.526	89.348	-3140.92
9107_9107	9107	9107	-2145.95	-149.535	9.243	-3.256	-89.348	3140.959
9107_9108	9107	9108	2138.719	173.555	-9.243	3.256	17.684	-4366.12
9108_9108	9108	9108	-2138.72	-173.55	9.243	-3.256	-17.684	4366.124
9108_9109	9108	9109	2129.483	197.57	-9.243	3.256	-53.981	-5769.49
9109_9109	9109	9109	-2129.34	-197.517	11.54	3.261	54.115	5768.827
9109_9110	9109	9110	2114.794	227.677	-11.54	-3.261	-163.784	-7733.17
9110_9110	9110	9110	146.737	511.292	-1.497	-17.293	17.101	26744.43
9110_9111	9110	9111	-124.015	-465.821	1.497	17.24	1.741	-20733.6
9111_9111	9111	9111	110.987	465.495	-1.387	18.22	-5.378	20731.51
9111_9112	9111	9112	-85.635	-422.361	1.387	-18.267	22.788	-15275.7
9112_9112	9112	9112	72.755	406.215	1.622	-1.754	-21.009	15274.8
9112_9113	9112	9113	-42.313	-362.42	-1.622	1.786	-0.508	-10290.8
9113_9113	9113	9113	428.907	359.788	0.907	4.375	2.252	8159.527
9113_9114	9113	9114	-413.519	-323.853	-0.907	-4.38	-12.919	-4272.2
9114_9114	9114	9114	406.539	307.145	-0.126	1.006	13.037	4272.984
9114_9115	9114	9115	-380.252	-282.25	0.126	-1.006	-11.998	-1966.7
9115_9115	9115	9115	429.222	283.808	-0.112	0.648	11.603	1589.413
9115_9116	9115	9116	-367.691	-244.421	0.112	-0.648	-10.064	1753.226

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9116_9116	9116	9116	367.694	226.111	-0.222	6.902	10.064	-1753.24
9116_9117	9116	9117	-321.512	-194.051	0.222	-6.902	-7.582	3887.976
9117_9117	9117	9117	321.512	194.065	-0.101	-5.848	7.582	-3887.97
9117_9118	9117	9118	-280.11	-161.977	0.101	5.848	-6.448	5686.959
9118_9118	9118	9118	280.11	143.279	-0.438	8.747	6.448	-5686.96
9118_9119	9118	9119	-240.997	-111.22	0.438	-8.747	-1.561	6927.338
9119_9119	9119	9119	240.997	111.234	-0.317	-8.048	1.561	-6927.34
9119_9120	9119	9120	-206.67	-79.147	0.317	8.048	1.98	7831.215
9120_9120	9120	9120	206.669	59.994	-0.025	8.256	-1.98	-7831.23
9120_9121	9120	9121	-172.067	-25.552	0.025	-8.256	2.282	8182.638
9121_9121	9121	9121	172.067	25.568	0.087	-8.226	-2.282	-8182.64
9121_9122	9121	9122	-142.998	8.902	-0.087	8.226	1.236	8144.751
9122_9122	9122	9122	142.999	-28.172	-0.233	11.148	-1.236	-8144.75
9122_9123	9122	9123	-117.725	60.258	0.233	-11.148	3.84	7530.151
9123_9123	9123	9123	117.724	-60.244	-0.053	-11.718	-3.84	-7530.15
9123_9124	9123	9124	-97.272	92.329	0.053	11.718	4.437	6577.892
9124_9124	9124	9124	97.272	-113.624	-0.286	4.449	-4.437	-6577.9
9124_9125	9124	9125	-82.104	145.68	0.286	-4.449	7.633	5053.434
9125_9125	9125	9125	82.103	-145.665	-0.166	-5.452	-7.633	-5053.44
9125_9126	9125	9126	-71.74	177.75	0.166	5.452	9.487	3190.117
9126_9126	9126	9126	71.739	-194.329	0.592	-0.148	-9.487	-3190.11
9126_9127	9126	9127	-62.363	232.789	-0.592	0.148	1.554	275.144
9127_9127	9127	9127	65.964	-231.76	0.658	-0.791	-1.902	-261.413
9127_9128	9127	9128	-63.332	254.927	-0.658	0.797	-3.524	-1767.8
9128_9128	9128	9128	69.407	-270.198	-3.189	-4.69	3.386	1768.54
9128_9129	9128	9129	-69.379	303.587	3.189	4.665	34.104	-5169.44
9129_9129	9129	9129	71.051	-301.14	-4.986	7.23	-38.114	5207.607
9129_9130	9129	9130	-82.567	343.956	4.986	-7.185	104.309	-9472.84
9130_9130	9130	9130	95.157	-377.91	9.36	-5.834	-105.493	9475.097
9130_9131	9130	9131	-119.062	420.094	-9.36	5.741	-11.978	-14385.8
9131_9131	9131	9131	130.464	-416.565	9.417	6.129	13.245	14389.04
9131_9132	9131	9132	-151.316	461.129	-9.417	-6.233	-131.873	-19809.2
9132_9132	9132	9132	-1674.21	209.404	3.463	2.361	-25.785	5272.431
9132_9133	9132	9133	1697.574	-180.019	-3.463	-2.361	-7.109	-3517.95
9133_9133	9133	9133	-1700.4	179.93	1.001	-2.644	7.839	3531.693
9133_9134	9133	9134	1718.12	-157.683	-1.001	2.644	-15.594	-2296.08
9134_9134	9134	9134	-1718.11	157.692	3.41	0.798	15.594	2296.078
9134_9135	9134	9135	1733.537	-135.445	-3.41	-0.798	-42.018	-1223.69
9135_9135	9135	9135	-1733.54	116.447	0.372	-0.919	42.018	1223.685
9135_9136	9135	9136	1746.607	-93.483	-0.372	0.919	-44.991	-438.155
9136_9136	9136	9136	-1746.61	93.492	2.705	0.393	44.991	438.155
9136_9137	9136	9137	1757.228	-70.528	-2.705	-0.393	-66.634	173.449
9137_9137	9137	9137	-1757.23	70.537	2.705	0.393	66.634	-173.449
9137_9138	9137	9138	1765.41	-47.572	-2.705	-0.393	-88.277	611.129
9138_9138	9138	9138	-1765.41	30.881	-4.609	-0.218	88.277	-611.134
9138_9139	9138	9139	1770.414	-13.657	4.609	0.218	-60.622	723.198
9139_9139	9139	9139	-1770.42	13.664	-1.497	-0.006	60.622	-723.199
9139_9140	9139	9140	1774.052	3.559	1.497	0.006	-51.637	737.43
9140_9140	9140	9140	-1774.05	-3.553	-1.497	-0.006	51.637	-737.43
9140_9141	9140	9141	1776.312	20.776	1.497	0.006	-42.652	653.828
9141_9141	9141	9141	-1776.31	-20.769	-4.609	-0.479	42.652	-653.828
9141_9142	9141	9142	1777.195	37.992	4.609	0.479	-14.997	472.393
9142_9142	9142	9142	-1777.2	-57.782	-1.612	-0.118	14.997	-472.388

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9142_9143	9142	9143	1774.482	80.746	1.612	0.118	-2.099	-73.023
9143_9143	9143	9143	-1774.48	-80.737	-3.946	-1.442	2.099	73.023
9143_9144	9143	9144	1769.319	103.701	3.946	1.442	29.468	-792.358
9144_9144	9144	9144	-1769.32	-103.692	-1.612	0.785	-29.468	792.358
9144_9145	9144	9145	1761.723	126.657	1.612	-0.785	42.366	-1685.62
9145_9145	9145	9145	-1761.72	-143.015	2.133	0.817	-42.366	1685.617
9145_9146	9145	9146	1752.064	165.262	-2.133	-0.817	25.832	-2843.79
9146_9146	9146	9146	-1752.06	-165.253	-0.276	-4.081	-25.832	2843.793
9146_9147	9146	9147	1740.117	187.5	0.276	4.081	27.969	-4165.2
9147_9147	9147	9147	-1731.75	-187.569	2.119	2.437	-28.032	4124.389
9147_9148	9147	9148	1714.482	216.952	-2.119	-2.437	7.905	-5979.27
9148_9148	9148	9148	110.947	420.162	0.221	0.238	-20.757	20545.63
9148_9149	9148	9149	-84.648	-375.801	-0.221	-0.278	17.98	-15663.3
9149_9149	9149	9149	74.342	378.782	0.221	0.77	-17.965	15660.82
9149_9150	9149	9150	-44.106	-336.782	-0.221	-0.806	15.196	-11288.7
9150_9150	9150	9150	33.877	325.491	-0.71	0.234	-15.107	11287.18
9150_9151	9150	9151	-0.492	-282.827	0.71	-0.225	24.525	-7358.18
9151_9151	9151	9151	479.535	278.372	0.171	0.654	-13.972	4741.487
9151_9152	9151	9152	-462.062	-244.475	-0.171	-0.63	11.956	-1816.27
9152_9152	9152	9152	456.826	230.31	0.389	-1.765	-11.915	1816.768
9152_9153	9152	9153	-426.493	-206.864	-0.389	1.762	8.704	-157.433
9153_9153	9153	9153	452.825	208.807	0.314	1.137	-8.541	18.125
9153_9154	9153	9154	-386.408	-170.759	-0.314	-1.137	4.229	2310.437
9154_9154	9154	9154	386.412	152.795	-0.071	3.147	-4.229	-2310.46
9154_9155	9154	9155	-337.281	-122.357	0.071	-3.147	5.007	3614.993
9155_9155	9155	9155	337.281	122.377	-0.002	-2.825	-5.007	-3614.99
9155_9156	9155	9156	-293.261	-91.939	0.002	2.825	5.031	4605.23
9156_9156	9156	9156	293.262	73.951	0.076	3.645	-5.031	-4605.24
9156_9157	9156	9157	-255.349	-46.28	-0.076	-3.645	4.274	5043.247
9157_9157	9157	9157	255.349	46.298	0.151	-3.57	-4.274	-5043.25
9157_9158	9157	9158	-221.66	-18.627	-0.151	3.57	2.763	5221.509
9158_9158	9158	9158	221.66	1.248	0.01	3.14	-2.763	-5221.51
9158_9159	9158	9159	-189.787	26.423	-0.01	-3.14	2.662	4956.37
9159_9159	9159	9159	189.787	-26.404	0.085	-3.306	-2.662	-4956.37
9159_9160	9159	9160	-162.137	54.075	-0.085	3.306	1.808	4431.482
9160_9160	9160	9160	162.135	-71.685	0.182	-0.198	-1.808	-4431.48
9160_9161	9160	9161	-134	102.096	-0.182	0.198	-0.195	3350.739
9161_9161	9161	9161	134	-105.399	0.182	-0.201	0.195	-3350.74
9161_9162	9161	9162	-114.73	135.838	-0.182	0.201	-2.2	1933.332
9162_9162	9162	9162	114.726	-151.996	-0.038	-0.17	2.2	-1933.31
9162_9163	9162	9163	-94.714	190.044	0.038	0.17	-1.677	-515.551
9163_9163	9163	9163	98.056	-188.828	-0.116	-0.526	1.807	510.351
9163_9164	9163	9164	-90.228	212.303	0.116	0.53	-0.853	-2209.22
9164_9164	9164	9164	95.361	-226.302	0.254	1.393	0.908	2210.021
9164_9165	9164	9165	-88.176	260.107	-0.254	-1.399	-3.896	-5125.92
9165_9165	9165	9165	84.249	-257.117	-0.886	-2.971	10.43	5187.98
9165_9166	9165	9166	-88.525	299.637	0.886	3.007	1.333	-8907.58
9166_9166	9166	9166	98.347	-311.75	0.499	-5.862	-1.678	8909.966
9166_9167	9166	9167	-108.099	353.583	-0.499	5.817	-4.584	-13086.2
9167_9167	9167	9167	117.854	-349.673	0.562	5.421	5.753	13089.7
9167_9168	9167	9168	-131.109	393.8	-0.562	-5.472	-12.834	-17748.4
9168_9168	9168	9168	-1508.01	218.456	-2.457	-1.029	36.886	5176.8
9168_9169	9168	9169	1533.917	-189.269	2.457	1.029	-13.544	-3345.23

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9169_9169	9169	9169	-1538.13	189.208	-0.691	2.694	14.677	3365.739
9169_9170	9169	9170	1557.498	-166.889	0.691	-2.694	-9.323	-2064.81
9170_9170	9170	9170	-1557.5	166.902	-2.965	-0.473	9.323	2064.809
9170_9171	9170	9171	1574.476	-144.583	2.965	0.473	13.659	-927.233
9171_9171	9171	9171	-1574.47	127.158	1.463	0.702	-13.659	927.233
9171_9172	9171	9172	1589.289	-104.119	-1.463	-0.702	1.954	-62.984
9172_9172	9172	9172	-1589.29	104.132	-0.74	-0.159	-1.954	62.984
9172_9173	9172	9173	1601.551	-81.093	0.74	0.159	7.876	627.202
9173_9173	9173	9173	-1601.55	81.106	1.463	-0.038	-7.876	-627.201
9173_9174	9173	9174	1611.26	-58.067	-1.463	0.038	-3.829	1143.322
9174_9174	9174	9174	-1611.26	41.209	0.857	-0.182	3.829	-1143.33
9174_9175	9174	9175	1617.345	-23.929	-0.857	0.182	-8.974	1313.064
9175_9175	9175	9175	-1617.34	23.94	-2.08	0.568	8.974	-1313.06
9175_9176	9175	9176	1621.995	-6.66	2.08	-0.568	3.508	1384.886
9176_9176	9176	9176	-1622	6.67	0.857	-0.222	-3.508	-1384.89
9176_9177	9176	9177	1625.212	10.609	-0.857	0.222	-1.637	1358.799
9177_9177	9177	9177	-1625.21	-10.599	0.857	-0.222	1.637	-1358.8
9177_9178	9177	9178	1626.992	27.879	-0.857	0.222	-6.782	1234.799
9178_9178	9178	9178	-1626.99	-44.712	-1.885	-0.011	6.782	-1234.79
9178_9179	9178	9179	1627.758	67.751	1.885	0.011	8.295	779.91
9179_9179	9179	9179	-1627.76	-67.738	0.319	0.283	-8.295	-779.911
9179_9180	9179	9180	1625.972	90.777	-0.319	-0.283	5.746	150.967
9180_9180	9180	9180	-1625.97	-90.763	-1.885	-0.821	-5.746	-150.967
9180_9181	9180	9181	1621.633	113.803	1.885	0.821	20.823	-652.042
9181_9181	9181	9181	-1621.63	-130.847	3.226	1.011	-20.823	652.04
9181_9182	9181	9182	1614.928	153.166	-3.226	-1.011	-4.177	-1727.86
9182_9182	9182	9182	-1614.93	-156.495	3.226	1.011	4.177	1727.856
9182_9183	9182	9183	1603.311	178.815	-3.226	-1.011	-29.177	-2982.93
9183_9183	9183	9183	-1593.55	-178.846	1.315	-3.218	28.651	2935.291
9183_9184	9183	9184	1576.249	208.03	-1.315	3.218	-41.147	-4706.29
9184_9184	9184	9184	97.793	400.156	-0.916	-5.699	5.574	17125.86
9184_9185	9184	9185	-64.532	-356.263	0.916	5.653	5.963	-12480.9
9185_9185	9185	9185	54.708	360.219	-0.85	6.361	-7.187	12478.01
9185_9186	9185	9186	-18.26	-318.67	0.85	-6.403	17.852	-8324.02
9186_9186	9186	9186	8.432	307.288	1.199	0.441	-17.264	8322.255
9186_9187	9186	9187	28.906	-265.038	-1.199	-0.404	1.352	-4616.29
9187_9187	9187	9187	422.663	262.199	0.154	0.673	-6.196	2148.85
9187_9188	9187	9188	-405.049	-227.751	-0.154	-0.674	4.384	598.953
9188_9188	9188	9188	400.138	212.493	0.17	-2.252	-4.337	-598.196
9188_9189	9188	9189	-372.639	-188.629	-0.17	2.256	2.934	2123.521
9189_9189	9189	9189	387.264	190.829	0.129	2.287	-3.065	-2129.31
9189_9190	9189	9190	-330.739	-150.625	-0.129	-2.287	1.287	4243.931
9190_9190	9190	9190	330.743	132.076	-0.008	-3.511	-1.287	-4243.95
9190_9191	9190	9191	-289.296	-99.913	0.008	3.511	1.378	5347.909
9191_9191	9191	9191	289.295	99.934	-0.075	4.128	-1.378	-5347.91
9191_9192	9191	9192	-252.867	-67.771	0.075	-4.128	2.204	6117.496
9192_9192	9192	9192	252.869	48.913	-0.014	4.379	-2.204	-6117.5
9192_9193	9192	9193	-222.218	-19.82	0.014	-4.379	2.341	6329.917
9193_9193	9193	9193	222.218	19.839	0.06	-4.21	-2.341	-6329.92
9193_9194	9193	9194	-195.675	9.254	-0.06	4.21	1.744	6268.747
9194_9194	9194	9194	195.676	-27.799	-0.004	3.524	-1.744	-6268.75
9194_9195	9194	9195	-171.215	56.892	0.004	-3.524	1.785	5741.441
9195_9195	9195	9195	171.215	-56.873	0.07	-3.74	-1.785	-5741.44

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9195_9196	9195	9196	-150.879	85.937	-0.07	3.74	1.093	4941.494
9196_9196	9196	9196	150.876	-105.09	0.068	1.642	-1.093	-4941.48
9196_9197	9196	9197	-131.098	137.253	-0.068	-1.642	0.344	3519.158
9197_9197	9197	9197	131.097	-137.232	0.135	-2.278	-0.344	-3519.16
9197_9198	9197	9198	-116.338	169.395	-0.135	2.278	-1.138	1762.462
9198_9198	9198	9198	116.326	-191.103	0.026	-0.67	1.138	-1762.42
9198_9199	9198	9199	-107.172	231.336	-0.026	0.67	-1.493	-1196.44
9199_9199	9199	9199	109.307	-229.87	0.097	0.218	1.606	1168.962
9199_9200	9199	9200	-107.051	254.635	-0.097	-0.211	-2.405	-3190.98
9200_9200	9200	9200	113.261	-270.712	-0.971	-0.803	2.379	3192.052
9200_9201	9200	9201	-113.895	306.351	0.971	0.77	9.04	-6610.19
9201_9201	9201	9201	116.604	-302.422	-3.025	-0.437	-1.11	6646.649
9201_9202	9201	9202	-129.448	348.311	3.025	0.489	41.265	-10944.4
9202_9202	9202	9202	140.964	-363.406	2.635	5.229	-40.852	10947.54
9202_9203	9202	9203	-155.387	408.427	-2.635	-5.275	7.774	-15755.2
9203_9203	9203	9203	166.605	-403.625	2.573	-8.152	-9.24	15759.7
9203_9204	9203	9204	-181.839	450.946	-2.573	8.101	-23.149	-21087.9
9204_9204	9204	9204	-1800.06	237.008	-12.447	-3.083	241.773	6202.982
9204_9205	9204	9205	1824.048	-205.41	12.447	3.083	-123.53	-4201.4
9205_9205	9205	9205	-1824.95	205.37	-10.326	2.995	124.777	3982.088
9205_9206	9205	9206	1842.606	-181.081	10.326	-2.995	-44.752	-2556.23
9206_9206	9206	9206	-1842.61	181.094	-10.326	2.995	44.752	2556.232
9206_9207	9206	9207	1857.973	-156.805	10.326	-2.995	35.272	-1309.41
9207_9207	9207	9207	-1858.01	137.105	-3.121	-0.704	-35.272	1309.412
9207_9208	9207	9208	1871.363	-112.033	3.121	0.704	60.241	-367.426
9208_9208	9208	9208	-1871.36	112.047	-0.534	0.736	-60.241	367.426
9208_9209	9208	9209	1882.276	-86.974	0.534	-0.736	64.509	383.785
9209_9209	9209	9209	-1882.27	86.988	2.054	1.362	-64.509	-383.787
9209_9210	9209	9210	1890.745	-61.916	-2.054	-1.362	48.077	944.223
9210_9210	9210	9210	-1890.71	44.207	-5.25	0.444	-48.077	-944.232
9210_9211	9210	9211	1895.817	-25.403	5.25	-0.444	79.578	1131.646
9211_9211	9211	9211	-1895.82	25.413	-1.8	0.265	-79.578	-1131.65
9211_9212	9211	9212	1899.555	-6.608	1.8	-0.265	90.379	1211.751
9212_9212	9212	9212	-1899.56	6.619	1.65	0.032	-90.379	-1211.75
9212_9213	9212	9213	1901.915	12.186	-1.65	-0.032	80.48	1184.541
9213_9213	9213	9213	-1901.91	-12.176	5.1	-0.091	-80.48	-1184.54
9213_9214	9213	9214	1902.897	30.981	-5.1	0.091	49.88	1050.012
9214_9214	9214	9214	-1902.96	-48.389	-6.702	-2.332	-49.88	-1050.01
9214_9215	9214	9215	1902.634	73.431	6.702	2.332	103.434	563.116
9215_9215	9215	9215	-1902.64	-73.418	-1.554	-0.817	-103.434	-563.117
9215_9216	9215	9216	1899.877	98.492	1.554	0.817	115.863	-115.079
9216_9216	9216	9216	-1899.87	-98.478	3.621	2.44	-115.863	115.077
9216_9217	9216	9217	1894.666	123.553	-3.621	-2.44	86.893	-984.11
9217_9217	9217	9217	-1894.62	-143.45	11.181	-10.952	-86.893	984.229
9217_9218	9217	9218	1887.224	167.743	-11.181	10.952	0.226	-2162.35
9218_9218	9218	9218	-1887.17	-167.729	19.192	1.969	-0.226	2162.357
9218_9219	9218	9219	1877.479	192.023	-19.192	-1.969	-148.54	-3519.67
9219_9219	9219	9219	-1871.88	-195.406	20.031	6.318	148.602	3722.076
9219_9220	9219	9220	1854.078	227.008	-20.031	-6.318	-338.94	-5657.74
9220_9220	9220	9220	170.607	443.056	-3.052	-27.307	23.633	20463.07
9220_9221	9220	9221	-142.985	-395.989	3.052	27.27	14.766	-15288.2
9221_9221	9221	9221	131.981	401.316	-2.866	29.723	-20.646	15284.54
9221_9222	9221	9222	-101.839	-356.537	2.866	-29.756	56.634	-10622

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9222_9222	9222	9222	90.48	338.053	4.611	-0.854	-53.774	10621.06
9222_9223	9222	9223	-59.642	-292.416	-4.611	0.891	-7.419	-6520.17
9223_9223	9223	9223	481.706	290.901	2.131	2.828	-25.958	4157.961
9223_9224	9223	9224	-463.525	-254.662	-2.131	-2.871	0.911	-1091.7
9224_9224	9224	9224	457.811	236.168	0.459	8.771	-0.914	1093.24
9224_9225	9224	9225	-430.963	-211.012	-0.459	-8.761	-2.879	622.143
9225_9225	9225	9225	404.755	213.959	0.632	-5.773	3.653	-446.287
9225_9226	9225	9226	-352.308	-168.364	-0.632	5.773	-12.808	2991.869
9226_9226	9226	9226	352.365	148.128	0.283	9.541	12.808	-2992.21
9226_9227	9226	9227	-316.946	-112.328	-0.283	-9.541	-16.021	4321.472
9227_9227	9227	9227	316.947	112.349	0.443	-8.706	16.021	-4321.47
9227_9228	9227	9228	-286.533	-76.544	-0.443	8.706	-21.055	5263.84
9228_9228	9228	9228	286.534	58.13	0.112	9.672	21.055	-5264.03
9228_9229	9228	9229	-260.352	-22.349	-0.112	-9.672	-22.33	5606.692
9229_9229	9229	9229	260.351	22.37	0.272	-10.155	22.33	-5606.69
9229_9230	9229	9230	-239.168	13.417	-0.272	10.155	-25.425	5562.736
9230_9230	9230	9230	239.126	-32.475	2.576	10.17	25.425	-5562.49
9230_9231	9230	9231	-221.329	70.382	-2.576	-10.17	-56.445	4861.435
9231_9231	9231	9231	221.349	-70.362	2.716	-4.118	56.445	-4861.48
9231_9232	9231	9232	-211.733	98.623	-2.716	4.118	-80.829	4056.513
9232_9232	9232	9232	214.848	-97.576	3.458	-24.911	91.546	-4068.51
9232_9233	9232	9233	-211.886	107.44	-3.458	24.919	-102.185	3738.363
9233_9233	9233	9233	213.879	-126.684	-7.122	3.597	102.396	-3737.85
9233_9234	9233	9234	-205.057	157.392	7.122	-3.739	-34.508	2337.581
9234_9234	9234	9234	207.949	-153.915	-6.964	-5.717	34.253	-2336.79
9234_9235	9234	9235	-201.479	177.959	6.964	5.506	17.222	1071.608
9235_9235	9235	9235	199.121	-175.211	-8.013	-10.5	-23.071	-1043.59
9235_9236	9235	9236	-197.175	198.934	8.013	10.231	73.013	-141.855
9236_9236	9236	9236	201.63	-215.388	11.941	-5.693	-72.959	143.495
9236_9237	9236	9237	-201.625	253.653	-11.941	6.471	-44.836	-2479.08
9237_9237	9237	9237	158.627	-250.562	12.094	2.312	103.091	2790.728
9237_9238	9237	9238	-167.573	288.151	-12.094	-1.352	-216.39	-5313.51
9238_9238	9238	9238	177.046	-306.971	-7.896	-12.36	215.328	5315.36
9238_9239	9238	9239	-186.264	344.129	7.896	11.872	-144.376	-8238.88
9239_9239	9239	9239	191.006	-341.131	-7.784	6.252	146.729	8241.821
9239_9240	9239	9240	-195.4	357.812	7.784	-6.476	-116.063	-9616.54
9240_9240	9240	9240	-1322.46	287.433	13.174	12.258	648.898	2489.138
9240_9241	9240	9241	1333.471	-263.732	-13.174	-12.258	-732.305	-788.949
9241_9241	9241	9241	-1331.58	221.38	-32.134	-0.573	732.305	789.037
9241_9242	9241	9242	1337.565	-209.548	32.134	0.573	-630.74	-132.307
9242_9242	9242	9242	-1335.54	209.542	-29.201	0.721	632.515	122.256
9242_9243	9242	9243	1356.077	-163.931	29.201	-0.721	-271.772	2100.941
9243_9243	9243	9243	-1356.14	163.948	-25.063	-2.755	271.772	-2100.98
9243_9244	9243	9244	1367.875	-130.779	25.063	2.755	-46.606	3376.709
9244_9244	9244	9244	-1367.52	109.861	-29.781	6.561	46.606	-3376.1
9244_9245	9244	9245	1380.236	-71.27	29.781	-6.561	264.676	4270.279
9245_9245	9245	9245	-1380.31	71.286	-25.439	-2.414	-264.676	-4270.3
9245_9246	9245	9246	1388.463	-37.431	25.439	2.414	497.935	4734.661
9246_9246	9246	9246	-1388.89	21.868	-9.578	6.889	-497.935	-4733.86
9246_9247	9246	9247	1395.142	17.078	9.578	-6.889	598.971	4732.393
9247_9247	9247	9247	-1395.16	-17.062	-4.364	-4.806	-598.971	-4732.41
9247_9248	9247	9248	1397.575	50.603	4.364	4.806	638.621	4413.855
9248_9248	9248	9248	-1397.63	-67.369	1.056	3.172	-638.621	-4413.37

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9248_9249	9248	9249	1397.718	102.402	-1.056	-3.172	628.598	3605.896
9249_9249	9249	9249	-1397.71	-102.387	4.88	-2.41	-628.598	-3605.89
9249_9250	9249	9250	1394.485	139.804	-4.88	2.41	579.14	2389.683
9250_9250	9250	9250	-1394.61	-156.159	19.63	-1.759	-579.14	-2389.51
9250_9251	9250	9251	1388.645	192.626	-19.63	1.759	385.253	688.966
9251_9251	9251	9251	-1388.6	-192.61	23.462	-0.143	-385.253	-688.966
9251_9252	9251	9252	1379.516	228.604	-23.462	0.143	156.524	-1329.87
9252_9252	9252	9252	-1379.16	-256.204	3.132	-61.435	-156.524	1328.88
9252_9253	9252	9253	1376.029	267.869	-3.132	61.435	146.63	-2144.85
9253_9253	9253	9253	-1373.73	-267.855	6.02	-54.969	-146.815	2133.872
9253_9254	9253	9254	1362.25	303.414	-6.02	54.969	89.618	-4803.49
9254_9254	9254	9254	169.706	336.247	-27.423	65.624	104.82	12298.69
9254_9255	9254	9255	-146.012	-286.713	27.423	-65.908	222.157	-8643.34
9255_9255	9255	9255	134.72	250.591	21.571	-13.408	-212.619	8638.57
9255_9256	9255	9256	-113.151	-207.905	-21.571	13.518	-17.809	-6235.26
9256_9256	9256	9256	108.241	212.384	21.74	16.922	15.368	6233.048
9256_9257	9256	9257	-87.466	-169.647	-21.74	-16.829	-254.715	-4168.14
9257_9257	9257	9257	83.396	148.337	-9.57	-7.542	255.989	4166.933
9257_9258	9257	9258	-74.924	-129.998	9.57	7.537	-210.013	-3513.51
9258_9258	9258	9258	30.473	133.35	-9.525	-1.848	210.19	3737.31
9258_9259	9258	9259	-15.478	-100.348	9.525	1.842	-113.911	-2578.19
9259_9259	9259	9259	13.588	102.863	-9.4	9.441	113.651	2577.538
9259_9260	9259	9260	-9.228	-81.009	9.4	-9.443	-50.416	-1961.01
9260_9260	9260	9260	390.257	60.425	-0.338	17.873	6.625	103.133
9260_9261	9260	9261	-397.796	-49.91	0.338	-17.87	-5.555	105.375
9261_9261	9261	9261	414.375	51.397	0.13	5.624	2.937	-292.461
9261_9262	9261	9262	-442.617	-13.912	-0.13	-5.624	-4.43	805.332
9262_9262	9262	9262	442.616	13.934	0.471	-9.43	4.43	-805.33
9262_9263	9262	9263	-471.157	18.351	-0.471	9.43	-9.075	920.708
9263_9263	9263	9263	471.191	-43.765	0.962	4.876	9.075	-920.691
9263_9264	9263	9264	-511.254	82.179	-0.962	-4.876	-20.369	371.135
9264_9264	9264	9264	511.255	-82.155	1.156	-4.78	20.369	-371.132
9264_9265	9264	9265	-555.071	119.157	-1.156	4.78	-33.452	-562.539
9265_9265	9265	9265	555.115	-141.571	0.717	2.655	33.452	562.718
9265_9266	9265	9266	-606.322	180.054	-0.717	-2.655	-41.888	-2217.08
9266_9266	9266	9266	606.323	-180.03	0.901	-4.125	41.888	2217.08
9266_9267	9266	9267	-660.69	216.968	-0.901	4.125	-52.062	-4208.67
9267_9267	9267	9267	660.81	-241.047	1.785	-0.883	52.062	4209.487
9267_9268	9267	9268	-696.088	262.922	-1.785	0.883	-63.997	-5733
9268_9268	9268	9268	696.09	-262.908	1.845	-1.737	63.997	5733.007
9268_9269	9268	9269	-733.392	284.916	-1.845	1.737	-76.414	-7405.8
9269_9269	9269	9269	664.899	-281.03	1.971	-3.131	72.259	7939.205
9269_9270	9269	9270	-695.123	314.913	-1.971	3.125	-91.255	-10650.6
9270_9270	9270	9270	702.474	-331.49	-2.965	-11.689	90.902	10651.68
9270_9271	9270	9271	-702.77	368.57	2.965	11.705	-60.131	-14190.9
9271_9271	9271	9271	610.369	-364.389	-2.745	-2.648	53.156	14776.86
9271_9272	9271	9272	-596.481	397.557	2.745	2.664	-30.763	-17858.5
9272_9272	9272	9272	602.011	-393.406	-2.523	20.817	32.413	17858.03
9272_9273	9272	9273	-588.803	414.8	2.523	-20.809	-19.39	-19939.6
9273_9273	9273	9273	598.969	-437.714	4.647	-38.399	14.527	19942.63
9273_9274	9273	9274	-563.778	488.633	-4.647	37.959	-70.043	-25474.8
9274_9274	9274	9274	577.11	-484.323	4.998	22.866	76.28	25475.1
9274_9275	9274	9275	-539.184	542.948	-4.998	-23.446	-142.034	-32235.2

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9275_9275	9275	9275	-2015.43	346.52	-50.32	-3.473	1068.888	10540.82
9275_9276	9275	9276	2059.034	-327.441	50.32	3.473	-823.186	-9078.85
9276_9276	9276	9276	-2059.09	327.449	-47.924	1.524	823.186	9078.867
9276_9277	9276	9277	2099.62	-309.398	47.924	-1.524	-601.785	-7778.54
9277_9277	9277	9277	-2067.8	309.273	-44.352	3.642	601.413	7808.368
9277_9278	9277	9278	2151.923	-275.517	44.352	-3.642	-192.85	-5479.07
9278_9278	9278	9278	-2445.9	264.728	-26.946	-11.137	248.058	6905.813
9278_9279	9278	9279	2463.369	-223.406	26.946	11.137	56.659	-4217.29
9279_9279	9279	9279	-2463.45	223.426	-15.793	9.735	-56.659	4217.281
9279_9280	9279	9280	2476.9	-180.845	15.793	-9.735	240.693	-1917.4
9280_9280	9280	9280	-2477.42	154.668	-24.386	-2.84	-240.693	1918.006
9280_9281	9280	9281	2485.828	-111.881	24.386	2.84	526.226	-392.301
9281_9281	9281	9281	-2485.91	111.901	-13.899	2.335	-526.226	392.3
9281_9282	9281	9282	2489.673	-68.263	13.899	-2.335	692.21	667.064
9282_9282	9282	9282	-2521.07	49.475	-9.737	0.776	-701.99	-524.106
9282_9283	9282	9283	2522.658	-7.693	9.737	-0.776	822.797	870.91
9283_9283	9283	9283	-2522.67	7.712	2.733	0.626	-822.797	-870.936
9283_9284	9283	9284	2520.193	30.126	-2.733	-0.626	792.091	753.481
9284_9284	9284	9284	-2518.93	-68.152	54.878	-1.416	-792.091	-753.465
9284_9285	9284	9285	2512.954	102.258	-54.878	1.416	236.315	-86.333
9285_9285	9285	9285	-2512.78	-102.243	62.585	1.303	-236.315	86.32
9285_9286	9285	9286	2504.547	133.827	-62.585	-1.303	-350.624	-1161.18
9286_9286	9286	9286	-2504.47	-168.177	-11.009	-34.865	350.624	1161.248
9286_9287	9286	9287	2500.47	181.73	11.009	34.865	-306.321	-1849.68
9287_9287	9287	9287	-2498.13	-181.748	-12.521	-35.39	307.297	1619.071
9287_9288	9287	9288	2487.025	216.041	12.521	35.39	-188.37	-3465.5
9288_9288	9288	9288	243.876	797.734	-24.56	57.086	-41.868	22196.64
9288_9289	9288	9289	-226.478	-753.926	24.56	-56.921	305.205	-13975.6
9289_9289	9289	9289	197.964	657.159	19.285	-12.897	-297.129	13976.52
9289_9290	9289	9290	-174.966	-610.41	-19.285	12.826	67.597	-6544.13
9290_9290	9290	9290	156.62	615.725	19.416	8.918	-68.924	6542.29
9290_9291	9290	9291	-131.66	-571.512	-19.416	-8.966	-156.271	235.567
9291_9291	9291	9291	118.433	532.658	-12.78	10.557	156.257	-236.442
9291_9292	9291	9292	-109.934	-517.07	12.78	-10.548	-103.24	2379.007
9292_9292	9292	9292	85.915	519.264	-12.517	4.888	102.767	-2301.59
9292_9293	9292	9293	-68.751	-492.668	12.517	-4.881	-2.48	6280.188
9293_9293	9293	9293	62.315	494.316	-12.412	-4.364	2.547	-6280.37
9293_9294	9293	9294	-48.078	-467.871	12.412	4.364	96.549	10054.91
9294_9294	9294	9294	48.281	429.358	-1.049	38.812	-96.551	-10056.3
9294_9295	9294	9295	-41.208	-416.085	1.049	-38.812	100.756	11717.46
9295_9295	9295	9295	62.612	416.332	-0.774	5.905	-101.788	-11838.1
9295_9296	9295	9296	-48.684	-377.953	0.774	-5.905	109.673	15818.16
9296_9296	9296	9296	48.686	377.964	-0.652	-26.892	-109.673	-15818.1
9296_9297	9296	9297	-39.201	-346.834	0.652	26.892	115.06	18767.92
9297_9297	9297	9297	-60.84	312.631	3.443	34.387	-79.574	-18206.6
9297_9298	9297	9298	65.956	-269.524	-3.443	-34.387	40.009	21530.83
9298_9298	9298	9298	-65.939	269.538	3.606	-25.149	-40.009	-21530.9
9298_9299	9298	9299	67.877	-229.48	-3.606	25.149	1.495	24189.28
9299_9299	9299	9299	-67.974	195.725	0.924	44.48	-1.495	-24192.6
9299_9300	9299	9300	68.995	-155.213	-0.924	-44.48	-8.48	26085.89
9300_9300	9300	9300	-68.995	155.229	1.079	-27.345	8.48	-26085.9
9300_9301	9300	9301	66.609	-107.194	-1.079	27.345	-22.3	27780.96
9301_9301	9301	9301	-66.659	71.363	-0.325	52.731	22.3	-27784.5

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9301_9302	9301	9302	62.827	-26.886	0.325	-52.731	-18.452	28388.41
9302_9302	9302	9302	-62.827	26.901	-0.136	-44.121	18.452	-28388.4
9302_9303	9302	9303	55.727	17.193	0.136	44.121	-16.848	28482.35
9303_9303	9303	9303	-55.739	-52.086	0.566	40.855	16.848	-28486.4
9303_9304	9303	9304	46.609	99.201	-0.566	-40.855	-23.962	27582.94
9304_9304	9304	9304	-46.604	-99.186	0.728	-40.993	23.962	-27583
9304_9305	9304	9305	35.477	140.607	-0.728	40.993	-32.001	26314.68
9305_9305	9305	9305	-35.505	-175.057	0.373	47.012	32.001	-26318
9305_9306	9305	9306	23.092	216.506	-0.373	-47.012	-36.118	24216.36
9306_9306	9306	9306	-23.092	-216.491	0.569	-40.473	36.118	-24216.4
9306_9307	9306	9307	5.467	263.575	-0.569	40.473	-43.258	21290.27
9307_9307	9307	9307	-5.494	-295.251	0.267	18.123	43.258	-21292.9
9307_9308	9307	9308	-13.245	339.854	-0.267	-18.123	-46.432	17608.95
9308_9308	9308	9308	13.246	-343.302	0.391	-21.835	46.432	-17609
9308_9309	9308	9309	-37.239	387.198	-0.391	21.835	-51.013	13451.46
9309_9309	9309	9309	37.006	-419.01	-7.796	6.793	51.013	-13452.8
9309_9310	9309	9310	-64.64	463.81	7.796	-6.793	42.1	8315.001
9310_9310	9310	9310	64.605	-463.795	-7.634	-16.274	-42.1	-8314.97
9310_9311	9310	9311	-94.838	507.507	7.634	16.274	131.068	2801.869
9311_9311	9311	9311	96.087	-535.326	39.511	-15.231	-131.068	-2803.04
9311_9312	9311	9312	-105.957	547.769	-39.511	15.231	0	1054.482
9400_9020	9400	9020	2394.288	-240.389	44.46	1.415	-400.184	-3961.37
9400_9401	9400	9401	-2395.34	244.371	-44.46	-1.415	218.318	2969.909
9401_9401	9401	9401	2394.314	-239.6	18.823	-0.138	-205.116	-2970.03
9401_9402	9401	9402	-2395.22	242.995	-18.823	0.138	139.411	2127.744
9402_9402	9402	9402	2400.44	-184.847	14.147	-1	-140.616	-2127.66
9402_9403	9402	9403	-2403.53	195.396	-14.147	1	-13.841	51.864
9403_9403	9403	9403	2419.006	-123.206	-0.815	-0.706	23.047	-51.838
9403_9404	9403	9404	-2421.26	130.106	0.815	0.706	-17.173	-861.375
9404_9404	9404	9404	2423.632	-73.726	-2.25	-0.59	17.334	861.372
9404_9405	9404	9405	-2426.05	80.575	2.25	0.59	-1.102	-1417.9
9405_9405	9405	9405	2441.651	3.185	-0.782	-0.495	11.41	1417.916
9405_9406	9405	9406	-2446.96	10.319	0.782	0.495	-0.134	-1469.32
9406_9406	9406	9406	2454.768	75.189	-1.369	-0.675	11.272	1469.332
9406_9407	9406	9407	-2458.32	-67.016	1.369	0.675	0.851	-839.853
9407_9407	9407	9407	2456.428	117.429	-3	-0.112	-0.614	839.853
9407_9408	9407	9408	-2458.88	-112.087	3	0.112	17.284	-202.089
9408_9408	9408	9408	2435.329	-408.919	-0.689	-3.442	-20.094	202.105
9408_9409	9408	9409	-2436.03	412.048	0.689	3.442	22.184	-1445.92
9409_9409	9409	9409	2431.87	389.804	-1.426	2.307	-21.935	1447.255
9409_9410	9409	9410	-2431.17	-386.686	1.426	-2.307	26.243	-274.595
9410_9410	9410	9410	2448.424	-131.028	4.98	-1.549	-22.758	274.609
9410_9411	9410	9411	-2445.97	136.369	-4.98	1.549	-4.919	-1017.63
9411_9411	9411	9411	2448.249	-86.407	1.026	-0.03	4.182	1017.637
9411_9412	9411	9412	-2444.7	94.578	-1.026	0.03	-13.264	-1818.6
9412_9412	9412	9412	2434.786	-8.349	0.529	-0.549	2.137	1818.614
9412_9413	9412	9413	-2429.48	21.866	-0.529	0.549	-9.765	-2036.51
9413_9413	9413	9413	2411.71	60.452	2.09	-0.885	-0.041	2036.506
9413_9414	9413	9414	-2409.29	-53.608	-2.09	0.885	-15.024	-1625.35
9414_9414	9414	9414	2407.399	109.579	0.347	-0.039	14.609	1625.355
9414_9415	9414	9415	-2405.14	-102.685	-0.347	0.039	-17.106	-860.673
9415_9415	9415	9415	2384.314	175.006	-7.987	-0.841	7.152	860.686
9415_9416	9415	9416	-2381.22	-164.46	7.987	0.841	80.037	992.186

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9416_9416	9416	9416	2376.438	223.233	-6.836	1.63	-80.165	-992.175
9416_9417	9416	9417	-2375.53	-219.832	6.836	-1.63	104.062	1766.653
9417_9417	9417	9417	2376.555	225.248	-34.341	-1.646	-113.509	-1766.75
9417_9036	9417	9036	-2375.51	-221.261	34.341	1.646	254.135	2680.961
9420_9056	9420	9056	2049.513	-224.977	34.412	1.404	-215.494	-3904.68
9420_9421	9420	9421	-2050.44	228.512	-34.412	-1.404	74.517	2975.759
9421_9421	9421	9421	2049.428	-222.685	6.114	0.599	-64.244	-2975.72
9421_9422	9421	9422	-2050.23	225.691	-6.114	-0.599	42.916	2193.714
9422_9422	9422	9422	2055.058	-176.459	4.536	-0.101	-43.396	-2193.71
9422_9423	9422	9423	-2057.8	185.809	-4.536	0.101	-6.138	215.547
9423_9423	9423	9423	2075.11	-123.703	-0.38	-0.003	16.267	-215.539
9423_9424	9423	9424	-2077.11	129.814	0.38	0.003	-13.527	-697.973
9424_9424	9424	9424	2079.566	-81.438	-2.137	0.28	13.734	697.969
9424_9425	9424	9425	-2081.71	87.503	2.137	-0.28	1.671	-1307.03
9425_9425	9425	9425	2095.002	-16.528	-0.981	0.217	9.89	1307.029
9425_9426	9425	9426	-2099.7	28.497	0.981	-0.217	4.245	-1631.54
9426_9426	9426	9426	2106.147	44.527	0.791	-0.23	7.599	1631.535
9426_9427	9426	9427	-2109.3	-37.282	-0.791	0.23	-14.606	-1269.31
9427_9427	9427	9427	2108.095	80.339	-1.945	1.091	15.342	1269.302
9427_9428	9427	9428	-2110.28	-75.574	1.945	-1.091	-4.528	-835.864
9428_9428	9428	9428	2084.13	-369.172	3.462	-0.28	1.151	835.863
9428_9429	9428	9429	-2084.75	371.952	-3.462	0.28	-11.61	-1955.4
9429_9429	9429	9429	2086.137	376.618	-3.696	0.541	11.552	1957.096
9429_9430	9429	9430	-2085.52	-373.838	3.696	-0.541	-0.387	-823.727
9430_9430	9430	9430	2107.872	-71.088	1.568	-0.332	3.136	823.721
9430_9431	9430	9431	-2105.68	75.854	-1.568	0.332	-11.853	-1232.22
9431_9431	9431	9431	2106.792	-32.982	-0.48	0.617	11.327	1232.225
9431_9432	9431	9432	-2103.64	40.225	0.48	-0.617	-7.075	-1556.32
9432_9432	9432	9432	2092.463	33.258	1.124	0.268	-4.314	1556.308
9432_9433	9432	9433	-2087.76	-21.284	-1.124	-0.268	-11.895	-1163.07
9433_9433	9433	9433	2068.932	91.563	1.561	0.342	0.58	1163.06
9433_9434	9433	9434	-2066.79	-85.5	-1.561	-0.342	-11.833	-525.019
9434_9434	9434	9434	2064.187	134.423	0.424	0.357	11.741	525.021
9434_9435	9434	9435	-2062.19	-128.308	-0.424	-0.357	-14.797	422.405
9435_9435	9435	9435	2049.005	189.313	-12.128	0.597	4.922	-422.428
9435_9436	9435	9436	-2046.27	-179.969	12.128	-0.597	127.448	2437.617
9436_9436	9436	9436	2041.176	230.445	-15.373	-0.252	-126.329	-2437.68
9436_9437	9436	9437	-2040.37	-227.432	15.373	0.252	180.06	3237.825
9437_9437	9437	9437	2041.999	231.329	-29.063	-1.313	-194.6	-3237.81
9437_9072	9437	9072	-2041.07	-227.798	29.063	1.313	313.563	4177.481
9440_9094	9440	9094	2359.165	-210.298	30.082	0.827	-138.871	-2606.27
9440_9441	9440	9441	-2360.09	213.8	-30.082	-0.827	15.601	1737.324
9441_9441	9441	9441	2358.264	-207.113	1.006	0.02	-2.807	-1737.28
9441_9442	9441	9442	-2359.06	210.093	-1.006	-0.02	-0.705	1009.147
9442_9442	9442	9442	2363.459	-152.852	0.181	-0.356	0.6	-1009.15
9442_9443	9442	9443	-2366.17	162.11	-0.181	0.356	-2.579	-710.251
9443_9443	9443	9443	2381.349	-90.13	-1.661	0.05	17.19	710.264
9443_9444	9443	9444	-2383.33	96.178	1.661	-0.05	-5.227	-1381.14
9444_9444	9444	9444	2384.902	-41.818	-1.181	-0.349	5.128	1381.141
9444_9445	9444	9445	-2387.02	47.831	1.181	0.349	3.394	-1704.57
9445_9445	9445	9445	2393.449	34.058	-1.789	-0.046	12.595	1704.575
9445_9446	9445	9446	-2398.11	-22.201	1.789	0.046	13.196	-1299.06
9446_9446	9446	9446	2397.688	105.588	3.085	-0.175	1.927	1299.071

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9446_9447	9446	9447	-2400.81	-98.409	-3.085	0.175	-29.253	-395.511
9447_9447	9447	9447	2398.16	149.627	-3.042	0.182	29.695	395.478
9447_9448	9447	9448	-2400.33	-144.914	3.042	-0.182	-12.809	421.966
9448_9448	9448	9448	2376.979	-363.311	0.656	3.097	11.806	-421.954
9448_9449	9448	9449	-2377.6	366.069	-0.656	-3.097	-13.79	-681.082
9449_9449	9449	9449	2377	363.344	1.892	-3.391	13.856	681.213
9449_9450	9449	9450	-2376.38	-360.586	-1.892	3.391	-19.579	413.58
9450_9450	9450	9450	2395.485	-145.466	-1.441	0.174	21.784	-413.561
9450_9451	9450	9451	-2393.32	150.188	1.441	-0.174	-13.774	-408.315
9451_9451	9451	9451	2395.9	-100.946	-0.688	-0.235	13.829	408.313
9451_9452	9451	9452	-2392.78	108.124	0.688	0.235	-7.731	-1334.28
9452_9452	9452	9452	2389.439	-24.913	1.218	-0.061	-7.641	1334.268
9452_9453	9452	9453	-2384.78	36.767	-1.218	0.061	-9.92	-1778.8
9453_9453	9453	9453	2374.628	43.909	1.687	-0.067	-5.414	1778.796
9453_9454	9453	9454	-2372.51	-37.907	-1.687	0.067	-6.742	-1484.08
9454_9454	9454	9454	2370.943	94.115	1.114	0.137	6.62	1484.076
9454_9455	9454	9455	-2368.96	-88.06	-1.114	-0.137	-14.652	-827.363
9455_9455	9455	9455	2350.173	159.437	0.022	0.32	0.211	827.35
9455_9456	9455	9456	-2347.46	-150.174	-0.022	-0.32	-0.455	863.784
9456_9456	9456	9456	2343.184	206.418	-2.111	-0.496	0.677	-863.784
9456_9457	9456	9457	-2342.39	-203.439	2.111	0.496	6.687	1578.834
9457_9457	9457	9457	2344.362	210.139	-21.758	-0.582	-20.736	-1578.85
9457_9110	9457	9110	-2343.44	-206.639	21.758	0.582	109.861	2432.448
9460_9132	9460	9132	1922.592	-190.822	-37.788	-3.225	239.732	-3050.37
9460_9461	9460	9461	-1923.51	194.321	37.788	3.225	-85.002	2261.841
9461_9461	9461	9461	1921.644	-190.26	-10.296	-0.748	97.987	-2261.83
9461_9462	9461	9462	-1922.44	193.238	10.296	0.748	-62.074	1592.986
9462_9462	9462	9462	1926.53	-147.056	-8.571	-0.778	62.466	-1592.97
9462_9463	9462	9463	-1929.24	156.316	8.571	0.778	31.136	-63.505
9463_9463	9463	9463	1913.418	-98.718	0.178	-0.978	-15.459	63.523
9463_9464	9463	9464	-1915.4	104.771	-0.178	0.978	14.178	-796.792
9464_9464	9464	9464	1917.315	-60.221	0.178	-0.648	-14.197	796.792
9464_9465	9464	9465	-1919.44	66.229	-0.178	0.648	12.916	-1252.72
9465_9465	9465	9465	1897.813	1.001	-1.574	-0.781	1.743	1252.722
9465_9466	9465	9466	-1902.47	10.848	1.574	0.781	20.933	-1323.66
9466_9466	9466	9466	1878.723	58.763	3.666	-0.604	-6.57	1323.696
9466_9467	9466	9467	-1881.84	-51.579	-3.666	0.604	-25.921	-834.698
9467_9467	9467	9467	1880.345	91.115	1.517	-0.215	26.331	834.685
9467_9468	9467	9468	-1882.51	-86.396	-1.517	0.215	-34.764	-341.433
9468_9468	9468	9468	1835.526	-297.755	-6.79	17.304	33.069	341.427
9468_9469	9468	9469	-1836.14	300.512	6.79	-17.304	-12.542	-1245.69
9469_9469	9469	9469	1839.707	298.562	5.743	-17.536	13.703	1258.061
9469_9470	9469	9470	-1839.09	-295.805	-5.743	17.536	-31.063	-359.697
9470_9470	9470	9470	1885.927	-88.897	-3.778	1.023	32.986	359.686
9470_9471	9470	9471	-1883.76	93.617	3.778	-1.023	-11.99	-866.839
9471_9471	9471	9471	1885.288	-54.859	-1.622	-0.202	12.434	866.833
9471_9472	9471	9472	-1882.17	62.034	1.622	0.202	1.925	-1384.33
9472_9472	9472	9472	1905.553	8.84	1.993	0.542	-16.791	1384.294
9472_9473	9472	9473	-1900.9	3.018	-1.993	-0.542	-11.942	-1342.32
9473_9473	9473	9473	1915.56	63.762	0.238	0.534	-2.655	1342.314
9473_9474	9473	9474	-1913.44	-57.754	-0.238	-0.534	0.938	-904.18
9474_9474	9474	9474	1911.58	102.215	0.238	0.556	-0.925	904.18
9474_9475	9474	9475	-1909.6	-96.162	-0.238	-0.556	-0.791	-189.334

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9475_9475	9475	9475	1911.924	154.065	5.856	0.955	-12.838	189.326
9475_9476	9475	9476	-1909.21	-144.805	-5.856	-0.955	-51.111	1442.568
9476_9476	9476	9476	1905.192	190.568	4.146	-1.601	51.474	-1442.56
9476_9477	9476	9477	-1904.4	-187.591	-4.146	1.601	-65.937	2102.084
9477_9477	9477	9477	1905.848	193	-6.306	0.384	55.189	-2102.09
9477_9148	9477	9148	-1904.93	-189.501	6.306	-0.384	-29.369	2885.207
9480_9168	9480	9168	1744.7	-191.243	-9.573	-0.483	54.381	-3411.87
9480_9481	9480	9481	-1745.62	194.742	9.573	0.483	-15.181	2621.621
9481_9481	9481	9481	1744.24	-190.679	-2.539	-0.295	25.289	-2621.62
9481_9482	9481	9482	-1745.04	193.666	2.539	0.295	-16.408	1949.445
9482_9482	9482	9482	1749.329	-150.002	-2.539	-0.705	16.395	-1949.45
9482_9483	9482	9483	-1752.04	159.253	2.539	0.705	11.308	262.333
9483_9483	9483	9483	1727.125	-107.271	0.762	-1.206	1.902	-262.318
9483_9484	9483	9484	-1729.1	113.324	-0.762	1.206	-7.392	-532.591
9484_9484	9484	9484	1731.271	-73.101	-1.586	-0.644	7.621	532.588
9484_9485	9484	9485	-1733.39	79.11	1.586	0.644	3.816	-1081.39
9485_9485	9485	9485	1698.594	-18.702	-2.523	-0.937	9.774	1081.423
9485_9486	9485	9486	-1703.25	30.559	2.523	0.937	26.601	-1436.54
9486_9486	9486	9486	1657.764	33.355	5.118	0.618	-12.264	1436.584
9486_9487	9486	9487	-1660.88	-26.18	-5.118	-0.618	-33.048	-1173.02
9487_9487	9487	9487	1659.982	60.323	8.154	-2.172	32.084	1173.047
9487_9488	9487	9488	-1662.15	-55.603	-8.154	2.172	-77.402	-850.92
9488_9488	9488	9488	1588.489	-275.339	-15.215	33.144	76.434	850.854
9488_9489	9488	9489	-1589.11	278.096	15.215	-33.144	-30.44	-1687.35
9489_9489	9489	9489	1596.281	281.896	11.978	-32.937	69.021	1706.919
9489_9490	9489	9490	-1595.66	-279.139	-11.978	32.937	-105.231	-858.936
9490_9490	9490	9490	1670.897	-53.871	-9.457	1.953	105.501	858.927
9490_9491	9490	9491	-1668.73	58.591	9.457	-1.953	-52.942	-1171.43
9491_9491	9491	9491	1669.601	-23.514	-7.562	-0.482	53.545	1171.4
9491_9492	9491	9492	-1666.48	30.698	7.562	0.482	13.481	-1411.65
9492_9492	9492	9492	1709.754	32.213	2.434	0.942	-27.724	1411.598
9492_9493	9492	9493	-1705.1	-20.364	-2.434	-0.942	-7.344	-1032.82
9493_9493	9493	9493	1738.247	81.343	1.86	0.692	-5.592	1032.822
9493_9494	9493	9494	-1736.13	-75.334	-1.86	-0.692	-7.819	-467.916
9494_9494	9494	9494	1733.907	115.668	-0.511	1.164	7.619	467.918
9494_9495	9494	9495	-1731.93	-109.615	0.511	-1.164	-3.937	343.883
9495_9495	9495	9495	1753.874	162.655	2.706	1.209	-8.622	-343.891
9495_9496	9495	9496	-1751.16	-153.387	-2.706	-1.209	-20.954	2071.061
9496_9496	9496	9496	1747.174	193.611	1.145	-1.18	21.487	-2071.06
9496_9497	9496	9497	-1746.38	-190.642	-1.145	1.18	-25.47	2739.357
9497_9497	9497	9497	1747.256	196.806	6.075	0.538	14.555	-2739.37
9497_9184	9497	9184	-1746.34	-193.307	-6.075	-0.538	-39.431	3538.064
9500_9204	9500	9204	2099.31	-226.89	30.552	1.16	-134.619	-3958.63
9500_9501	9500	9501	-2100.4	231.028	-30.552	-1.16	9.517	3021.106
9501_9501	9501	9501	2100.247	-226.103	4.582	5.013	-0.759	-3021.11
9501_9502	9501	9502	-2101.19	229.625	-4.582	-5.013	-15.224	2226.297
9502_9502	9502	9502	2106.097	-179.143	-1.266	-1.693	13.482	-2226.31
9502_9503	9502	9503	-2109.31	190.095	1.266	1.693	0.344	210.201
9503_9503	9503	9503	2130.154	-126.611	-2.188	0.225	6.797	-210.173
9503_9504	9503	9504	-2132.5	133.769	2.188	-0.225	8.968	-728.099
9504_9504	9504	9504	2135.029	-84.165	0.732	-0.576	-9.317	728.095
9504_9505	9504	9505	-2137.54	91.271	-0.732	0.576	4.039	-1360.64
9505_9505	9505	9505	2152.06	-18.04	-0.529	-0.008	3.955	1360.652

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9505_9506	9505	9506	-2157.57	32.054	0.529	0.008	3.661	-1721.54
9506_9506	9506	9506	2167.768	41.644	1.419	-0.482	5.296	1721.53
9506_9507	9506	9507	-2171.46	-33.148	-1.419	0.482	-17.872	-1390.08
9507_9507	9507	9507	2170.281	78.768	-1.589	1.037	18.729	1390.067
9507_9508	9507	9508	-2172.82	-73.233	1.589	-1.037	-9.896	-967.696
9508_9508	9508	9508	2147.329	-386.189	-0.913	1.102	7.655	967.682
9508_9509	9508	9509	-2148.05	389.422	0.913	-1.102	-4.895	-2140.02
9509_9509	9509	9509	2148.509	391.626	5.568	-0.716	4.809	2139.708
9509_9510	9509	9510	-2147.79	-388.393	-5.568	0.716	-21.641	-960.732
9510_9510	9510	9510	2178.214	-71.549	0.732	-0.929	22.339	960.766
9510_9511	9510	9511	-2175.67	77.084	-0.732	0.929	-26.408	-1373.78
9511_9511	9511	9511	2176.795	-32.312	-3.148	0.962	25.325	1373.803
9511_9512	9511	9512	-2173.11	40.798	3.148	-0.962	2.551	-1697.48
9512_9512	9512	9512	2168.075	34.1	1.354	0.27	-11.368	1697.475
9512_9513	9512	9513	-2162.57	-20.086	-1.354	-0.27	-8.139	-1307.08
9513_9513	9513	9513	2151.676	93.48	1.909	0.713	-1.159	1307.096
9513_9514	9513	9514	-2149.17	-86.373	-1.909	-0.713	-12.609	-658.552
9514_9514	9514	9514	2146.579	136.299	2.145	0.346	12.646	658.551
9514_9515	9514	9515	-2144.24	-129.14	-2.145	-0.346	-28.106	298.062
9515_9515	9515	9515	2128.455	193.179	-7.715	0.47	22.145	-298.087
9515_9516	9515	9516	-2125.25	-182.226	7.715	-0.47	62.117	2348.253
9516_9516	9516	9516	2120.257	233.163	-9.172	0.297	-61.644	-2348.27
9516_9517	9516	9517	-2119.32	-229.641	9.172	-0.297	93.644	3155.584
9517_9517	9517	9517	2118.869	235.828	-49.131	-3.351	-99.117	-3155.7
9517_9220	9517	9220	-2117.78	-231.689	49.131	3.351	300.341	4113.098
9520_9240	9520	9240	1627.427	-266.262	-22.093	11.799	-514.097	-7251.68
9520_9521	9520	9521	-1628.74	271.224	22.093	-11.799	604.41	6153.075
9521_9521	9521	9521	1615.58	-271.612	36.515	-6.42	-599.486	-6153.93
9521_9522	9521	9522	-1616.71	275.845	-36.515	6.42	472.061	5198.701
9522_9522	9522	9522	1622.851	-237.037	36.633	5.285	-471.963	-5198.71
9522_9523	9522	9523	-1626.71	250.2	-36.633	-5.285	71.701	2536.858
9523_9523	9523	9523	1644.635	-202.396	7.044	0.666	-71.374	-2536.43
9523_9524	9523	9524	-1647.45	210.989	-7.044	-0.666	20.641	1047.691
9524_9524	9524	9524	1651.91	-172.693	3.894	-0.93	-21.353	-1047.68
9524_9525	9524	9525	-1654.92	181.225	-3.894	0.93	-6.711	-227.816
9525_9525	9525	9525	1692.474	-127.031	-1.951	-0.971	8.811	227.925
9525_9526	9525	9526	-1699.09	143.883	1.951	0.971	19.32	-2181.48
9526_9526	9526	9526	1727.703	-86.183	-1.816	-4.478	-14.237	2179.524
9526_9527	9526	9527	-1732.13	96.37	1.816	4.478	30.312	-2987.34
9527_9527	9527	9527	1733.707	-61.57	-6.971	5.161	-26.251	2987.372
9527_9528	9527	9528	-1736.74	68.172	6.971	-5.161	65.016	-3348.11
9528_9528	9528	9528	1699.831	-436.076	9.2	-13.861	-72.695	3348.109
9528_9529	9528	9529	-1700.69	439.934	-9.2	13.861	44.855	-4673.58
9529_9529	9529	9529	1697.853	426.319	0.747	11.201	-44.274	4670.262
9529_9530	9529	9530	-1696.99	-422.473	-0.747	-11.201	42.019	-3389.7
9530_9530	9530	9530	1736.321	57.845	7.569	-4.013	-38.803	3387.877
9530_9531	9530	9531	-1733.29	-51.242	-7.569	4.013	-3.293	-3084.52
9531_9531	9531	9531	1731.906	86.365	4.367	1.751	0.678	3084.523
9531_9532	9531	9532	-1727.48	-76.17	-4.367	-1.751	-39.346	-2364.86
9532_9532	9532	9532	1715.438	134.63	-1.855	0.321	33.934	2364.029
9532_9533	9532	9533	-1708.82	-117.794	1.855	-0.321	-7.199	-545.256
9533_9533	9533	9533	1687.765	175.673	3.345	2.743	4.111	545.691
9533_9534	9533	9534	-1684.75	-167.139	-3.345	-2.743	-28.224	690.048

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9534_9534	9534	9534	1680.387	206.476	-2.145	-0.267	29.049	-690.019
9534_9535	9534	9535	-1677.58	-197.876	2.145	0.267	-13.584	2147.315
9535_9535	9535	9535	1628.546	249.084	24.157	4.386	12.998	-2145.91
9535_9536	9535	9536	-1624.69	-235.923	-24.157	-4.386	-276.902	4795.16
9536_9536	9536	9536	1618.61	274.818	21.048	-11.904	279.503	-4795
9536_9537	9536	9537	-1617.48	-270.586	-21.048	11.904	-352.952	5746.601
9537_9537	9537	9537	1625.621	264.785	-32.331	-119.904	355.224	-5764.32
9537_9254	9537	9254	-1624.31	-259.82	32.331	119.904	-222.972	6837.281
9540_9275	9540	9275	2837.206	-275.838	54.443	16.84	-1124.24	-3765.26
9540_9541	9540	9541	-2838.61	281.186	-54.443	-16.84	901.375	2625.143
9541_9541	9541	9541	2836.16	-276.116	59.634	-9.498	-891.602	-2635.92
9541_9542	9541	9542	-2837.38	280.669	-59.634	9.498	683.577	1664.78
9542_9542	9542	9542	2843.43	-212.486	52.833	2.832	-684.801	-1664.3
9542_9543	9542	9543	-2847.58	226.645	-52.833	-2.832	107.788	-733.654
9543_9543	9543	9543	2877.408	-135.651	7.526	-3.328	-103.251	729.8
9543_9544	9543	9544	-2880.43	144.901	-7.526	3.328	49.03	-1740.46
9544_9544	9544	9544	2882.991	-79.3	4.73	-0.507	-48.492	1740.478
9544_9545	9544	9545	-2886.23	88.498	-4.73	0.507	14.343	-2346.15
9545_9545	9545	9545	2917.455	11.477	0.594	-1.791	-8.433	2342.923
9545_9546	9545	9546	-2924.57	6.641	-0.594	1.791	-0.127	-2308.08
9546_9546	9546	9546	2938.343	92.577	9.274	-1.199	5.634	2305.771
9546_9547	9546	9547	-2943.11	-81.608	-9.274	1.199	-87.744	-1534.66
9547_9547	9547	9547	2940.907	140.296	6.201	-1.38	88.422	1534.625
9547_9548	9547	9548	-2944.16	-133.205	-6.201	1.38	-122.93	-773.637
9548_9548	9548	9548	2914.981	-485.709	0.337	9.052	118.459	766.984
9548_9549	9548	9549	-2915.91	489.833	-0.337	-9.052	-119.473	-2237.61
9549_9549	9549	9549	2934.039	515.487	0.953	-8.866	119.774	2249.141
9549_9550	9549	9550	-2933.09	-511.418	-0.953	8.866	-122.614	-718.448
9550_9550	9550	9550	2965.496	-137.412	4.896	-0.644	126.434	711.15
9550_9551	9550	9551	-2962.06	144.563	-4.896	0.644	-154.141	-1509
9551_9551	9551	9551	2964.603	-76.41	-4.593	0.586	151.926	1509.223
9551_9552	9551	9552	-2959.92	86.774	4.593	-0.586	-113.252	-2196.26
9552_9552	9552	9552	2941.944	31.141	0.041	-0.604	108.066	2196.442
9552_9553	9552	9553	-2934.81	-13.502	-0.041	0.604	-108.639	-1882.05
9553_9553	9553	9553	2906.446	121.36	-6.951	1.114	103.669	1881.906
9553_9554	9553	9554	-2903.22	-112.416	6.951	-1.114	-54.741	-1059.12
9554_9554	9554	9554	2899.383	186.823	-6.117	-0.601	54.855	1059.118
9554_9555	9554	9555	-2896.38	-177.797	6.117	0.601	-11.785	224.499
9555_9555	9555	9555	2851.916	279.938	-10.047	0.154	11.408	-223.675
9555_9556	9555	9556	-2847.88	-266.12	10.047	-0.154	95.663	3133.503
9556_9556	9556	9556	2839.561	343.575	-13.11	-0.733	-94.705	-3133.53
9556_9557	9556	9557	-2838.39	-339.106	13.11	0.733	139.556	4301.266
9557_9557	9557	9557	2834.416	356.146	-15.237	-69.093	-141.262	-4323.62
9557_9288	9557	9288	-2832.55	-348.818	15.237	69.093	226.55	6296.651
41000_1000	41000	1000	-0.541	428.201	1.6	-2.803	0	-0.844
41000_1001	41000	1001	0.541	-370.876	-1.6	2.803	-27.21	6795.201
41001_1001	41001	1001	-0.544	370.876	1.599	10.551	27.21	-6795.19
41001_1002	41001	1002	0.544	-334.29	-1.599	-10.551	-44.564	10621.86
41002_1002	41002	1002	-0.637	309.701	-1.6	-2.756	44.564	-10621.1
41002_1003	41002	1003	0.637	-268.599	1.6	2.756	-25.052	14146.61
41003_1003	41003	1003	-0.635	268.599	-1.601	8.776	25.052	-14146.6
41003_1004	41003	1004	0.635	-227.494	1.601	-8.776	-5.533	17171.25
41004_1004	41004	1004	-0.571	207.376	1.024	-6.462	5.533	-17169.9

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41004_1005	41004	1005	0.571	-166.259	-1.024	6.462	-18.021	19448.52
41005_1005	41005	1005	-0.572	166.259	1.023	9.381	18.021	-19448.5
41005_1006	41005	1006	0.572	-125.14	-1.023	-9.381	-30.504	21225.8
41006_1006	41006	1006	-0.588	101.127	0.196	-8.434	30.504	-21224.5
41006_1007	41006	1007	0.588	-60.029	-0.196	8.434	-32.897	22206.92
41007_1007	41007	1007	-0.588	60.029	0.196	9.657	32.897	-22206.9
41007_1008	41007	1008	0.588	-18.927	-0.196	-9.657	-35.285	22688.27
41008_1008	41008	1008	-0.587	-5.696	0.373	-8.298	35.285	-22687.4
41008_1009	41008	1009	0.587	46.777	-0.373	8.298	-39.833	22367.68
41009_1009	41009	1009	-0.587	-46.777	0.373	7.728	39.833	-22367.7
41009_1010	41009	1010	0.587	87.895	-0.373	-7.728	-44.381	21546.34
41010_1010	41010	1010	-0.59	-112.5	0.03	-18.385	44.381	-21545.9
41010_1011	41010	1011	0.59	153.593	-0.03	18.385	-44.747	19924.08
41011_1011	41011	1011	-0.59	-153.593	0.029	16.068	44.747	-19924.1
41011_1012	41011	1012	0.59	194.66	-0.029	-16.068	-45.101	17802.75
41012_1012	41012	1012	-0.591	-220.113	-0.89	4.221	45.101	-17802.7
41012_1013	41012	1013	0.591	261.218	0.89	-4.221	-34.247	14868.06
41013_1013	41013	1013	-0.592	-261.218	-0.89	-7.88	34.247	-14868.1
41013_1014	41013	1014	0.592	302.319	0.89	7.88	-23.399	11432.57
41014_1014	41014	1014	-0.592	-327.44	0.088	-1.113	23.399	-11432.6
41014_1015	41014	1015	0.592	383.848	-0.088	1.113	-24.87	5481.371
41015_1015	41015	1015	3.704	-383.836	0.089	-8.718	24.79	-5481.82
41015_1016	41015	1016	-4.002	410.064	-0.089	8.718	-25.521	2206.997
41016_1016	41016	1016	13.34	-431.828	2.045	-4.59	25.497	-2206.69
41016_1017	41016	1017	-14.572	469.379	-2.045	4.59	-49.527	-3087.28
41017_1017	41017	1017	27.602	-468.799	2.046	-1.598	49.654	3087.063
41017_1018	41017	1018	-30.345	513.83	-2.046	1.598	-76.826	-9607.99
41018_1018	41018	1018	46.305	-530.915	-0.124	-14.649	75.837	9607.811
41018_1019	41018	1019	-50.256	575.209	0.124	14.649	-74.242	-16543.2
41019_1019	41019	1019	66.024	-573.615	-0.123	10.936	77.007	16543.24
41019_1020	41019	1020	-71.5	620.4	0.123	-10.936	-75.397	-24054.8
41020_1020	41020	1020	-2296.18	176.439	-9.509	-4.148	262.419	4534.15
41020_1021	41020	1021	2296.184	-145.433	9.509	4.148	-172.058	-3004.82
41021_1021	41021	1021	-2296.19	145.433	-6.834	0.597	172.058	2966.897
41021_1022	41021	1022	2296.193	-122.252	6.834	-0.597	-119.095	-1929.6
41022_1022	41022	1022	-2296.2	122.252	-3.89	3.071	119.095	1929.6
41022_1023	41022	1023	2296.2	-99.075	3.89	-3.071	-88.953	-1072.07
41023_1023	41023	1023	-2296.18	80.291	-11.018	-0.468	88.953	1072.054
41023_1024	41023	1024	2296.179	-56.364	11.018	0.468	-0.81	-525.453
41024_1024	41024	1024	-2296.18	56.364	-11.018	-0.468	0.81	525.453
41024_1025	41024	1025	2296.179	-32.437	11.018	0.468	87.332	-170.26
41025_1025	41025	1025	-2296.19	28.797	-8.165	-0.256	-87.332	170.261
41025_1026	41025	1026	2296.191	-4.874	8.165	0.256	152.644	-35.601
41026_1026	41026	1026	-2296.19	-12.107	-5.07	-0.909	-152.644	35.6
41026_1027	41026	1027	2296.194	30.042	5.07	0.909	183.047	-161.973
41027_1027	41027	1027	-2296.2	-30.042	-0.849	-0.611	-183.047	161.974
41027_1028	41027	1028	2296.199	48.004	0.849	0.611	188.146	-396.319
41028_1028	41028	1028	-2296.2	-48.004	-1.264	-0.683	-188.146	396.319
41028_1029	41028	1029	2296.199	65.936	1.264	0.683	195.722	-737.875
41029_1029	41029	1029	-2296.2	-65.936	-0.849	-0.55	-195.722	737.875
41029_1030	41029	1030	2296.199	83.898	0.849	0.55	200.821	-1187.77
41030_1030	41030	1030	-2296.19	-100.539	8.057	-1.057	-200.821	1187.779
41030_1031	41030	1031	2296.187	124.453	-8.057	1.057	136.405	-2087.22

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41031_1031	41031	1031	-2296.19	-124.453	8.362	-0.78	-136.405	2087.216
41031_1032	41031	1032	2296.186	148.396	-8.362	0.78	69.469	-3179.33
41032_1032	41032	1032	-2296.19	-148.396	8.057	-1.203	-69.469	3179.329
41032_1033	41032	1033	2296.187	172.31	-8.057	1.203	5.053	-4461.4
41033_1033	41033	1033	-2296.24	-189.252	-3.87	-29.2	-5.053	4461.548
41033_1034	41033	1034	2296.235	212.44	3.87	29.2	35.056	-6018.59
41034_1034	41034	1034	-2296.24	-212.44	-0.924	-21.478	-35.056	6018.625
41034_1035	41034	1035	2296.238	235.624	0.924	21.478	42.218	-7755.19
41035_1035	41035	1035	-2296.14	-235.624	21.09	53.796	-42.218	7794.01
41035_1036	41035	1036	2296.141	266.627	-21.09	-53.796	-158.175	-10180.2
41036_1036	41036	1036	34.442	511.034	0.471	-9.813	-0.039	31293.6
41036_1037	41036	1037	-28.966	-464.257	-0.471	9.813	-5.931	-25159.7
41037_1037	41037	1037	16.196	464.852	0.491	9.98	3.897	25159.68
41037_1038	41037	1038	-12.245	-420.542	-0.491	-9.98	-10.084	-19606.7
41038_1038	41038	1038	-0.318	407.292	-2.441	-2.021	11.032	19607.67
41038_1039	41038	1039	3.061	-362.3	2.441	2.021	21.354	-14505.2
41039_1039	41039	1039	-13.602	362.157	-2.42	14.682	-21.843	14540.56
41039_1040	41039	1040	14.836	-324.518	2.42	-14.682	50.304	-10503.5
41040_1040	41040	1040	-21.455	305.351	2.45	2.501	-49.935	10504.23
41040_1041	41040	1041	21.752	-279.186	-2.45	-2.501	29.719	-8093.02
41041_1041	41041	1041	-24.687	278.829	2.456	3.873	-29.696	8103.62
41041_1042	41041	1042	24.687	-231.637	-2.456	-3.873	-10.36	-3941.15
41042_1042	41042	1042	-24.714	210.475	-0.024	1.765	10.36	3941.261
41042_1043	41042	1043	24.714	-175.806	0.024	-1.765	-10.07	-1627.25
41043_1043	41043	1043	-24.714	175.806	-0.004	3.119	10.07	1627.248
41043_1044	41043	1044	24.714	-141.138	0.004	-3.119	-10.026	271.266
41044_1044	41044	1044	-24.713	116.347	0.055	1.756	10.026	-271.26
41044_1045	41044	1045	24.713	-81.685	-0.055	-1.756	-10.685	1457.326
41045_1045	41045	1045	-24.713	81.685	0.076	0.543	10.685	-1457.33
41045_1046	41045	1046	24.713	-47.024	-0.076	-0.543	-11.59	2228.145
41046_1046	41046	1046	-24.715	24.478	-0.029	0.703	11.59	-2228.2
41046_1047	41046	1047	24.715	10.207	0.029	-0.703	-11.24	2313.722
41047_1047	41047	1047	-24.715	-10.207	-0.01	-1.073	11.24	-2313.72
41047_1048	41047	1048	24.715	44.861	0.01	1.073	-11.117	1983.992
41048_1048	41048	1048	-24.718	-66.791	-0.199	-0.553	11.117	-1984.02
41048_1049	41048	1049	24.718	101.471	0.199	0.553	-8.735	975.741
41049_1049	41049	1049	-24.718	-101.471	-0.159	-2.116	8.735	-975.739
41049_1050	41049	1050	24.718	136.119	0.159	2.116	-6.829	-446.607
41050_1050	41050	1050	-24.734	-156.488	-1.352	-3.821	6.829	446.639
41050_1051	41050	1051	24.734	203.637	1.352	3.821	15.206	-3380.49
41051_1051	41051	1051	-22.272	-204.011	-1.317	1.046	-15.189	3377.145
41051_1052	41051	1052	21.994	228.459	1.317	-1.046	26.04	-5159.24
41052_1052	41052	1052	-16.217	-248.342	1.477	-7.571	-26.268	5159.249
41052_1053	41052	1053	15.064	283.485	-1.477	7.571	8.911	-8284.91
41053_1053	41053	1053	-6.933	-283.918	1.507	5.588	-8.352	8278.571
41053_1054	41053	1054	4.22	328.332	-1.507	-5.588	-11.661	-12341.6
41054_1054	41054	1054	6.527	-343.883	0.96	-6.574	10.789	12341.65
41054_1055	41054	1055	-10.422	387.457	-0.96	6.574	-22.796	-16928.8
41055_1055	41055	1055	21.141	-387.078	0.981	7.105	24.299	16928.84
41055_1056	41055	1056	-26.517	432.942	-0.981	-7.105	-36.594	-22090.4
41056_1056	41056	1056	-1901.35	246.476	-4.333	-1.265	87.389	7256.23
41056_1057	41056	1057	1901.354	-215.812	4.333	1.265	-46.226	-5060.3
41057_1057	41057	1057	-1901.36	215.812	-2.974	2.471	46.226	5028.495

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41057_1058	41057	1058	1901.357	-191.271	2.974	-2.471	-23.191	-3451.83
41058_1058	41058	1058	-1901.36	191.271	-2.974	2.471	23.191	3451.83
41058_1059	41058	1059	1901.357	-166.73	2.974	-2.471	-0.155	-2065.27
41059_1059	41059	1059	-1901.42	148.983	-8.873	0.15	0.155	2065.295
41059_1060	41059	1060	1901.418	-123.618	8.873	-0.15	70.882	-974.039
41060_1060	41060	1060	-1901.43	119.978	-6.651	1.289	-70.882	974.038
41060_1061	41060	1061	1901.427	-94.646	6.651	-1.289	124.061	-116.011
41061_1061	41061	1061	-1901.43	94.646	-4.132	1.442	-124.061	116.009
41061_1062	41061	1062	1901.434	-69.284	4.132	-1.442	157.135	540.122
41062_1062	41062	1062	-1901.4	52.991	-2.13	2.112	-157.135	-540.125
41062_1063	41062	1063	1901.404	-33.977	2.13	-2.112	169.917	801.09
41063_1063	41063	1063	-1901.41	33.977	0.842	0.86	-169.917	-801.092
41063_1064	41063	1064	1901.405	-14.997	-0.842	-0.86	164.87	947.788
41064_1064	41064	1064	-1901.41	14.997	1.033	0.765	-164.87	-947.788
41064_1065	41064	1065	1901.405	4.015	-1.033	-0.765	158.672	980.737
41065_1065	41065	1065	-1901.4	-4.015	4.196	-0.866	-158.672	-980.737
41065_1066	41065	1066	1901.4	23.025	-4.196	0.866	133.494	899.614
41066_1066	41066	1066	-1901.37	-39.621	5.827	1.049	-133.494	-899.635
41066_1067	41066	1067	1901.37	64.979	-5.827	-1.049	86.858	481.035
41067_1067	41067	1067	-1901.36	-64.979	8.198	0.449	-86.858	-481.036
41067_1068	41067	1068	1901.361	90.335	-8.198	-0.449	21.243	-140.469
41068_1068	41068	1068	-1901.36	-90.335	8.062	0.439	-21.243	140.47
41068_1069	41068	1069	1901.362	115.659	-8.062	-0.439	-43.197	-963.749
41069_1069	41069	1069	-1901.41	-132.833	7.791	-0.432	43.197	963.794
41069_1070	41069	1070	1901.411	157.392	-7.791	0.432	-103.592	-2088.7
41070_1070	41070	1070	-1901.41	-157.392	7.791	-0.432	103.592	2088.697
41070_1071	41070	1071	1901.411	181.952	-7.791	0.432	-163.986	-3403.99
41071_1071	41071	1071	-1901.41	-181.952	9.124	2.357	163.986	3434.463
41071_1072	41071	1072	1901.405	212.597	-9.124	-2.357	-250.612	-5307.44
41072_1072	41072	1072	31.757	481.221	-1.441	-2.924	62.234	19835.33
41072_1073	41072	1073	-26.38	-435.36	1.441	2.924	-44.142	-14067.1
41073_1073	41073	1073	14.405	435.868	-1.422	6.473	43.048	14067.07
41073_1074	41073	1074	-10.51	-392.301	1.422	-6.473	-25.237	-8873.85
41074_1074	41074	1074	-1.413	377.259	-1.432	3.442	25.566	8874.149
41074_1075	41074	1075	4.126	-332.861	1.432	-3.442	-6.555	-4163.62
41075_1075	41075	1075	-14.08	332.501	-1.402	11.967	6.434	4165.129
41075_1076	41075	1076	15.215	-297.904	1.402	-11.967	10.047	-458.788
41076_1076	41076	1076	-21.402	275.074	1.852	3.465	-9.814	458.989
41076_1077	41076	1077	21.676	-250.994	-1.852	-3.465	-5.468	1711.037
41077_1077	41077	1077	-24.35	250.646	1.883	1.886	5.511	-1705.86
41077_1078	41077	1078	24.35	-205.236	-1.883	-1.886	-33.436	5085.437
41078_1078	41078	1078	-24.373	185.51	-0.311	5.614	33.436	-5085.53
41078_1079	41078	1079	24.373	-151.049	0.311	-5.614	-29.938	6979.02
41079_1079	41079	1079	-24.373	151.049	-0.288	-0.863	29.938	-6979.02
41079_1080	41079	1080	24.373	-116.558	0.288	0.863	-26.692	8485.858
41080_1080	41080	1080	-24.373	95.938	-0.182	5.484	26.692	-8486.1
41080_1081	41080	1081	24.373	-61.45	0.182	-5.484	-24.641	9372.253
41081_1081	41081	1081	-24.373	61.45	-0.161	-2.831	24.641	-9372.26
41081_1082	41081	1082	24.373	-26.964	0.161	2.831	-22.833	9870.037
41082_1082	41082	1082	-24.374	4.688	-0.209	8.225	22.833	-9870.32
41082_1083	41082	1083	24.374	32.372	0.209	-8.225	-20.298	9702.827
41083_1083	41083	1083	-24.374	-32.372	-0.169	-7.8	20.298	-9702.83
41083_1084	41083	1084	24.374	69.429	0.169	7.8	-18.251	9086.958

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41084_1084	41084	1084	-24.373	-91.333	-0.044	6.052	18.251	-9087.18
41084_1085	41084	1085	24.373	125.815	0.044	-6.052	-17.76	7864.789
41085_1085	41085	1085	-24.373	-125.815	0	-7.91	17.76	-7864.79
41085_1086	41085	1086	24.373	160.294	0	7.91	-17.756	6254.302
41086_1086	41086	1086	-24.381	-180.53	-0.749	1.806	17.756	-6254.41
41086_1087	41086	1087	24.381	215.01	0.749	-1.806	-9.319	4027.945
41087_1087	41087	1087	-24.382	-215.01	-0.706	-5.345	9.319	-4027.94
41087_1088	41087	1088	24.382	249.487	0.706	5.345	-1.37	1413.499
41088_1088	41088	1088	-24.387	-267.561	-0.91	-2.774	1.37	-1413.55
41088_1089	41088	1089	24.387	311.229	0.91	2.774	11.611	-2712.66
41089_1089	41089	1089	-20.804	-311.567	-0.917	-3.216	-11.638	2702.742
41089_1090	41089	1090	20.518	336.784	0.917	3.216	19.205	-5378.85
41090_1090	41090	1090	-12.552	-358.633	0.502	-7.142	-19.373	5378.855
41090_1091	41090	1091	11.365	394.802	-0.502	7.142	13.477	-9805.66
41091_1091	41091	1091	-0.254	-395.087	0.515	0.953	-13.214	9805.912
41091_1092	41091	1092	-2.432	439.167	-0.515	-0.953	6.366	-15339.9
41092_1092	41092	1092	16.003	-453.053	1.037	-17.339	-7.936	15340.07
41092_1093	41092	1093	-19.862	496.351	-1.037	17.339	-5.05	-21297.9
41093_1093	41093	1093	33.602	-495.662	1.075	15.843	8.463	21297.93
41093_1094	41093	1094	-38.933	541.18	-1.075	-15.843	-21.939	-27817
41094_1094	41094	1094	-2254.1	216.088	-2.533	-4.765	5.029	7971.563
41094_1095	41094	1095	2254.096	-185.64	2.533	4.765	19.045	-6062.64
41095_1095	41095	1095	-2254.1	185.64	-1.921	-2.956	-19.045	6062.688
41095_1096	41095	1096	2254.096	-161.393	1.921	2.956	33.942	-4717.44
41096_1096	41096	1096	-2254.09	161.393	3.82	9.06	-33.942	4717.432
41096_1097	41096	1097	2254.094	-137.18	-3.82	-9.06	4.363	-3561.61
41097_1097	41097	1097	-2254.16	120.505	-4.359	-2.307	-4.363	3561.693
41097_1098	41097	1098	2254.158	-95.478	4.359	2.307	39.247	-2697.49
41098_1098	41098	1098	-2254.16	95.478	-1.543	1.062	-39.247	2697.49
41098_1099	41098	1099	2254.162	-70.452	1.543	-1.062	51.596	-2033.58
41099_1099	41099	1099	-2254.16	70.452	-1.543	1.062	-51.596	2033.583
41099_1100	41099	1100	2254.162	-45.425	1.543	-1.062	63.946	-1569.94
41100_1100	41100	1100	-2254.06	30.159	12.245	7.655	-63.946	1569.901
41100_1101	41100	1101	2254.058	-11.39	-12.245	-7.655	-9.539	-1445.22
41101_1101	41101	1101	-2254.06	11.39	12.163	7.603	9.539	1445.225
41101_1102	41101	1102	2254.059	7.348	-12.163	-7.603	-82.413	-1433.11
41102_1102	41102	1102	-2254.05	-7.348	-14.033	-9.052	82.413	1433.106
41102_1103	41102	1103	2254.048	26.122	14.033	9.052	1.83	-1533.57
41103_1103	41103	1103	-2254.07	-26.122	-10.28	-6.499	-1.83	1533.584
41103_1104	41103	1104	2254.068	44.896	10.28	6.499	63.541	-1746.75
41104_1104	41104	1104	-2254.06	-60.143	0.279	-2.056	-63.541	1746.744
41104_1105	41104	1105	2254.057	85.143	-0.279	2.056	61.307	-2327.45
41105_1105	41105	1105	-2254.06	-85.143	3.182	0.941	-61.307	2327.446
41105_1106	41105	1106	2254.055	110.174	-3.182	-0.941	35.837	-3109.07
41106_1106	41106	1106	-2254.06	-110.174	3.182	0.941	-35.837	3109.065
41106_1107	41106	1107	2254.055	135.204	-3.182	-0.941	10.366	-4091.02
41107_1107	41107	1107	-2254.07	-151.452	0.318	-3.043	-10.366	4091.056
41107_1108	41107	1108	2254.074	175.668	-0.318	3.043	7.902	-5357.53
41108_1108	41108	1108	-2254.07	-175.668	0.401	-2.847	-7.902	5357.525
41108_1109	41108	1109	2254.074	199.916	-0.401	2.847	4.795	-6813.5
41109_1109	41109	1109	-2254.07	-199.916	2.695	4.304	-4.795	6813.444
41109_1110	41109	1110	2254.073	230.364	-2.695	-4.304	-20.818	-8858.04
41110_1110	41110	1110	29.935	527.982	-0.868	-17.348	29.066	28880.41

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41110_1111	41110	1111	-24.604	-482.466	0.868	17.348	-18.201	-22528.1
41111_1111	41111	1111	11.001	479.274	-0.817	18.499	14.441	22528.13
41111_1112	41111	1112	-7.142	-435.982	0.817	-18.499	-4.218	-16785.7
41112_1112	41112	1112	-5.754	424.007	-0.795	-1.564	5.937	16786.06
41112_1113	41112	1113	8.44	-379.903	0.795	1.564	4.623	-11450.6
41113_1113	41113	1113	-19.587	379.344	-0.755	14.22	-5.094	11437.88
41113_1114	41113	1114	20.771	-343.278	0.755	-14.22	13.97	-7193.43
41114_1114	41114	1114	-27.894	325.179	1.306	-2.8	-13.608	7193.642
41114_1115	41114	1115	28.18	-300.036	-1.306	2.8	2.828	-4613.92
41115_1115	41115	1115	-31.366	299.627	1.375	7.372	-2.835	4629.345
41115_1116	41115	1116	31.366	-256.695	-1.375	-7.372	-17.475	-520.112
41116_1116	41116	1116	-31.366	237.514	-0.373	3.734	17.475	520.108
41116_1117	41116	1117	31.366	-204.814	0.373	-3.734	-13.282	1968.418
41117_1117	41117	1117	-31.367	204.814	-0.345	1.985	13.282	-1968.42
41117_1118	41117	1118	31.367	-172.115	0.345	-1.985	-9.403	4088.981
41118_1118	41118	1118	-31.367	152.621	-0.096	6.942	9.403	-4088.99
41118_1119	41118	1119	31.367	-119.894	0.096	-6.942	-8.319	5623.462
41119_1119	41119	1119	-31.367	119.894	-0.041	-2.969	8.319	-5623.47
41119_1120	41119	1120	31.367	-87.196	0.041	2.969	-7.858	6788.478
41120_1120	41120	1120	-31.367	65.707	-0.116	3.908	7.858	-6788.49
41120_1121	41120	1121	31.367	-30.539	0.116	-3.908	-6.45	7370.836
41121_1121	41121	1121	-31.367	30.539	-0.091	-2.101	6.45	-7370.84
41121_1122	41121	1122	31.367	4.599	0.091	2.101	-5.351	7527.662
41122_1122	41122	1122	-31.367	-25.899	-0.065	2.696	5.351	-7527.66
41122_1123	41122	1123	31.367	58.624	0.065	-2.696	-4.62	7051.768
41123_1123	41123	1123	-31.367	-58.624	-0.037	-3.499	4.62	-7051.77
41123_1124	41123	1124	31.367	91.319	0.037	3.499	-4.199	6208.29
41124_1124	41124	1124	-31.368	-114.303	-0.333	2.624	4.199	-6208.29
41124_1125	41124	1125	31.368	147.028	0.333	-2.624	-0.445	4736.923
41125_1125	41125	1125	-31.368	-147.028	-0.278	-5.756	0.445	-4736.92
41125_1126	41125	1126	31.368	179.723	0.278	5.756	2.681	2898.888
41126_1126	41126	1126	-31.37	-196.499	-2.161	-3.123	-2.681	-2898.89
41126_1127	41126	1127	31.37	237.041	2.161	3.123	32.826	-125.131
41127_1127	41127	1127	-28.574	-237.456	-2.126	-2.11	-32.845	115.454
41127_1128	41127	1128	28.307	260.911	2.126	2.11	50.386	-2171.34
41128_1128	41128	1128	-22.046	-277.055	2.129	-9.724	-50.654	2171.299
41128_1129	41128	1129	20.94	310.748	-2.129	9.724	25.623	-5626.18
41129_1129	41129	1129	-12.125	-311.344	2.195	6.808	-24.945	5628.571
41129_1130	41129	1130	9.502	354.39	-2.195	-6.808	-4.204	-10045.8
41130_1130	41130	1130	3.194	-386.823	-3.994	-8.843	3.055	10045.77
41130_1131	41130	1131	-6.965	429.115	3.994	8.843	47.136	-15163.7
41131_1131	41131	1131	18.776	-428.807	-3.969	4.525	-45.936	15163.69
41131_1132	41131	1132	-23.992	473.392	3.969	-4.525	96.025	-20842.8
41132_1132	41132	1132	-1889.44	206.076	28.058	18.37	-295.37	5797.278
41132_1133	41132	1133	1889.444	-176.39	-28.058	-18.37	28.815	-3980.56
41133_1133	41133	1133	-1889.48	176.39	25.62	14.604	-28.815	3996.941
41133_1134	41133	1134	1889.479	-153.884	-25.62	-14.604	-169.744	-2717.13
41134_1134	41134	1134	-1889.65	153.884	-3.635	-27.464	169.744	2717.032
41134_1135	41134	1135	1889.649	-131.374	3.635	27.464	-141.569	-1611.5
41135_1135	41135	1135	-1889.75	110.937	-3.744	0.748	141.569	1612.074
41135_1136	41135	1136	1889.747	-87.7	3.744	-0.748	-111.612	-817.366
41136_1136	41136	1136	-1889.74	87.7	-6.105	-0.273	111.612	817.366
41136_1137	41136	1137	1889.741	-64.463	6.105	0.273	-62.76	-208.576

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41137_1137	41137	1137	-1889.75	64.463	-3.744	-0.013	62.76	208.576
41137_1138	41137	1138	1889.747	-41.226	3.744	0.013	-32.802	214.263
41138_1138	41138	1138	-1889.83	25.503	-2.907	0.297	32.802	-214.264
41138_1139	41138	1139	1889.826	-8.104	2.907	-0.297	-15.386	314.942
41139_1139	41139	1139	-1889.83	8.104	0.31	-0.239	15.386	-314.942
41139_1140	41139	1140	1889.828	9.324	-0.31	0.239	-17.244	311.283
41140_1140	41140	1140	-1889.83	-9.324	0.31	-0.239	17.244	-311.283
41140_1141	41140	1141	1889.828	26.751	-0.31	0.239	-19.103	203.038
41141_1141	41141	1141	-1889.83	-26.751	-2.839	0.099	19.103	-203.038
41141_1142	41141	1142	1889.826	44.179	2.839	-0.099	-2.068	-9.804
41142_1142	41142	1142	-1889.83	-63.744	0.246	0.166	2.068	9.804
41142_1143	41142	1143	1889.827	86.981	-0.246	-0.166	-4.039	-612.823
41143_1143	41143	1143	-1889.83	-86.981	0.246	0.166	4.039	612.823
41143_1144	41143	1144	1889.827	110.217	-0.246	-0.166	-6.011	-1401.77
41144_1144	41144	1144	-1889.83	-110.217	-2.115	-1.585	6.011	1401.772
41144_1145	41144	1145	1889.826	133.455	2.115	1.585	10.912	-2376.68
41145_1145	41145	1145	-1889.81	-149.57	-1.718	-1.915	-10.912	2376.646
41145_1146	41145	1146	1889.812	172.052	1.718	1.915	24.215	-3621.59
41146_1146	41146	1146	-1889.81	-172.052	-1.668	-1.818	-24.215	3621.587
41146_1147	41146	1147	1889.812	194.563	1.668	1.818	37.146	-5042.52
41147_1147	41147	1147	-1889.81	-194.563	-0.449	2.186	-37.146	5027.249
41147_1148	41147	1148	1889.813	224.255	0.449	-2.186	41.415	-7017.03
41148_1148	41148	1148	-10.567	441.261	-1.782	-6.029	8.997	22203.24
41148_1149	41148	1149	15.783	-396.702	1.782	6.029	13.395	-16932.1
41149_1149	41149	1149	-26.685	396.075	-1.734	7.542	-14.767	16932.06
41149_1150	41149	1150	30.456	-353.808	1.734	-7.542	36.485	-12231.7
41150_1150	41150	1150	-41.265	338.931	0.883	0.713	-35.792	12231.79
41150_1151	41150	1151	43.888	-295.875	-0.883	-0.713	24.069	-8019.16
41151_1151	41151	1151	-52.837	294.382	0.927	6.309	-24.172	8005.964
41151_1152	41151	1152	53.955	-260.283	-0.927	-6.309	13.273	-4745.55
41152_1152	41152	1152	-59.288	240.918	0.388	2.084	-13.14	4745.481
41152_1153	41152	1153	59.558	-217.178	-0.388	-2.084	9.938	-2855.39
41153_1153	41153	1153	-61.804	216.438	0.402	2.79	-9.919	2857.175
41153_1154	41153	1154	61.804	-177.901	-0.402	-2.79	4.394	-147.504
41154_1154	41154	1154	-61.804	159.711	0.33	2.512	-4.394	147.502
41154_1155	41154	1155	61.804	-128.859	-0.33	-2.512	0.768	1439.98
41155_1155	41155	1155	-61.803	128.859	0.386	1.203	-0.768	-1439.98
41155_1156	41155	1156	61.803	-98.008	-0.386	-1.203	-3.476	2688.001
41156_1156	41156	1156	-61.8	80.204	0.123	2.541	3.476	-2688.02
41156_1157	41156	1157	61.8	-52.101	-0.123	-2.541	-4.709	3351.017
41157_1157	41157	1157	-61.799	52.101	0.183	-0.736	4.709	-3351.02
41157_1158	41157	1158	61.799	-24.027	-0.183	0.736	-6.544	3732.113
41158_1158	41158	1158	-61.797	6.879	-0.022	1.653	6.544	-3732.14
41158_1159	41158	1159	61.797	21.224	0.022	-1.653	-6.324	3660.253
41159_1159	41159	1159	-61.797	-21.224	0.038	-1.926	6.324	-3660.25
41159_1160	41159	1160	61.797	49.298	-0.038	1.926	-6.709	3307.218
41160_1160	41160	1160	-61.792	-66.652	-0.265	-1.221	6.709	-3307.27
41160_1161	41160	1161	61.792	97.504	0.265	1.221	-3.79	2404.215
41161_1161	41161	1161	-61.792	-101.144	-0.265	-1.221	3.79	-2404.22
41161_1162	41161	1162	61.792	131.995	0.265	1.221	-0.872	1121.672
41162_1162	41162	1162	-61.781	-148.088	-0.75	-2.108	0.872	-1121.68
41162_1163	41162	1163	61.781	186.624	0.75	2.108	9.43	-1178.27
41163_1163	41163	1163	-59.554	-187.364	-0.764	-2.403	-9.449	1177.005

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41163_1164	41163	1164	59.284	211.104	0.764	2.403	15.751	-2821.09
41164_1164	41164	1164	-54.051	-228.458	-0.627	-4.092	-15.828	2821.045
41164_1165	41164	1165	52.933	262.556	0.627	4.092	23.193	-5707.54
41165_1165	41165	1165	-45.453	-264.035	-0.624	-0.939	-23.163	5711.646
41165_1166	41165	1166	42.846	306.839	0.624	0.939	31.426	-9500.03
41166_1166	41166	1166	-32.797	-323.426	2.217	-7.304	-32.038	9499.967
41166_1167	41166	1167	29.047	365.457	-2.217	7.304	4.27	-13818.3
41167_1167	41167	1167	-18.942	-366.147	2.268	3.997	-3.149	13818.35
41167_1168	41167	1168	13.754	410.468	-2.268	-3.997	-25.332	-18704
41168_1168	41168	1168	-1682.78	220.737	-3.508	-0.999	71.207	6157.213
41168_1169	41168	1169	1682.779	-191.224	3.508	0.999	-37.87	-4199.96
41169_1169	41169	1169	-1682.78	191.224	-2.823	1.699	37.87	4219.763
41169_1170	41169	1170	1682.781	-168.63	2.823	-1.699	-15.987	-2825.03
41170_1170	41170	1170	-1682.78	168.63	-2.823	1.699	15.987	2825.03
41170_1171	41170	1171	1682.781	-146.036	2.823	-1.699	5.896	-1605.44
41171_1171	41171	1171	-1682.83	128.668	0.576	1.004	-5.896	1605.405
41171_1172	41171	1172	1682.828	-105.345	-0.576	-1.004	1.285	-669.165
41172_1172	41172	1172	-1682.83	105.345	-1.571	0.15	-1.285	669.166
41172_1173	41172	1173	1682.828	-82.051	1.571	-0.15	13.84	79.65
41173_1173	41173	1173	-1682.83	82.051	0.576	0.048	-13.84	-79.65
41173_1174	41173	1174	1682.828	-58.728	-0.576	-0.048	9.229	642.877
41174_1174	41174	1174	-1682.83	41.938	0.833	-0.168	-9.229	-642.881
41174_1175	41174	1175	1682.833	-24.446	-0.833	0.168	4.229	842.073
41175_1175	41175	1175	-1682.83	24.446	-1.97	1.235	-4.229	-842.072
41175_1176	41175	1176	1682.832	-6.953	1.97	-1.235	16.054	936.291
41176_1176	41176	1176	-1682.83	6.953	0.833	-0.325	-16.054	-936.292
41176_1177	41176	1177	1682.833	10.539	-0.833	0.325	11.055	925.531
41177_1177	41177	1177	-1682.83	-10.539	0.833	-0.325	-11.055	-925.531
41177_1178	41177	1178	1682.833	28.031	-0.833	0.325	6.055	809.796
41178_1178	41178	1178	-1682.84	-44.778	-0.891	0.056	-6.055	-809.81
41178_1179	41178	1179	1682.842	68.073	0.891	-0.056	13.175	358.869
41179_1179	41179	1179	-1682.84	-68.073	1.257	-0.402	-13.175	-358.869
41179_1180	41179	1180	1682.842	91.396	-1.257	0.402	3.12	-279.131
41180_1180	41180	1180	-1682.84	-91.396	1.257	-0.402	-3.12	279.131
41180_1181	41180	1181	1682.842	114.718	-1.257	0.402	-6.934	-1103.75
41181_1181	41181	1181	-1682.88	-131.876	2.213	-0.865	6.934	1103.756
41181_1182	41181	1182	1682.882	154.47	-2.213	0.865	-24.092	-2213.58
41182_1182	41182	1182	-1682.88	-158.11	2.213	-0.865	24.092	2213.583
41182_1183	41182	1183	1682.882	180.705	-2.213	0.865	-41.25	-3526.77
41183_1183	41183	1183	-1682.88	-180.705	1.528	-1.377	41.25	3509.193
41183_1184	41183	1184	1682.883	210.218	-1.528	1.377	-55.769	-5366.49
41184_1184	41184	1184	-16.028	417.122	-2.172	6.504	16.073	17792.73
41184_1185	41184	1185	21.216	-372.836	2.172	-6.504	11.185	-12827.6
41185_1185	41185	1185	-31.522	372.061	-2.222	-3.207	-10.081	12827.64
41185_1186	41185	1186	35.272	-329.996	2.222	3.207	37.935	-8423.56
41186_1186	41186	1186	-45.461	313.974	0.725	1.067	-38.257	8423.557
41186_1187	41186	1187	48.068	-271.17	-0.725	-1.067	28.643	-4540.66
41187_1187	41187	1187	-56.354	269.621	0.722	2.433	-28.617	4540.64
41187_1188	41187	1188	57.493	-234.904	-0.722	-2.433	20.131	-1575.02
41188_1188	41188	1188	-62.305	214.184	0.793	1.955	-20.083	1575.008
41188_1189	41188	1189	62.58	-190.039	-0.793	-1.955	13.55	90.782
41189_1189	41189	1189	-64.525	189.239	0.763	1.971	-13.541	-99.915
41189_1190	41189	1190	64.525	-148.549	-0.763	-1.971	3.048	2422.724

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41190_1190	41190	1190	-64.517	130.007	0.471	-0.345	-3.048	-2422.72
41190_1191	41190	1191	64.517	-97.455	-0.471	0.345	-2.137	3674.009
41191_1191	41191	1191	-64.518	97.455	0.413	2.993	2.137	-3674.01
41191_1192	41191	1192	64.518	-64.903	-0.413	-2.993	-6.677	4567.174
41192_1192	41192	1192	-64.509	45.859	-0.025	2.525	6.677	-4567.17
41192_1193	41192	1193	64.509	-15.941	0.025	-2.525	-6.419	4879.634
41193_1193	41193	1193	-64.509	15.941	0.038	-2.3	6.419	-4879.63
41193_1194	41193	1194	64.509	13.977	-0.038	2.3	-6.807	4889.562
41194_1194	41194	1194	-64.49	-32.36	-0.837	-1.184	6.807	-4889.65
41194_1195	41194	1195	64.49	62.278	0.837	1.184	1.655	4411.152
41195_1195	41195	1195	-64.49	-62.278	-0.837	-1.184	-1.655	-4411.15
41195_1196	41195	1196	64.49	92.196	0.837	1.184	10.116	3630.116
41196_1196	41196	1196	-64.512	-111.486	0.025	-3.304	-10.116	-3630.1
41196_1197	41196	1197	64.512	144.038	-0.025	3.304	9.84	2224.435
41197_1197	41197	1197	-64.512	-144.038	-0.035	-1.241	-9.84	-2224.44
41197_1198	41197	1198	64.512	176.56	0.035	1.241	10.223	462.367
41198_1198	41198	1198	-64.475	-198.374	-1.367	-3.151	-10.223	-462.41
41198_1199	41198	1199	64.475	239.063	1.367	3.151	29.016	-2545.59
41199_1199	41199	1199	-61.606	-239.877	-1.382	-3.864	-29.048	2565.44
41199_1200	41199	1200	61.317	264.892	1.382	3.864	40.453	-4648.14
41200_1200	41200	1200	-54.814	-285.389	1.479	-6.106	-40.566	4648.045
41200_1201	41200	1201	53.614	321.304	-1.479	6.106	23.173	-8214.72
41201_1201	41201	1201	-44.404	-322.786	1.481	-0.283	-23.059	8207.341
41201_1202	41201	1202	41.555	368.881	-1.481	0.283	3.385	-12794.4
41202_1202	41202	1202	-29.274	-389.428	0.207	-0.991	-3.389	12794.51
41202_1203	41202	1203	25.197	434.632	-0.207	0.991	0.839	-17965.1
41203_1203	41203	1203	-13.138	-435.211	0.207	-1.028	-0.863	17965.12
41203_1204	41203	1204	7.529	482.672	-0.207	1.028	-1.673	-23740.6
41204_1204	41204	1204	-2070.72	234.176	3.335	3.364	-30.223	7571.577
41204_1205	41204	1205	2070.722	-202.278	-3.335	-3.364	-1.464	-5498.01
41205_1205	41205	1205	-2070.72	202.278	1.944	-0.171	1.464	5251.632
41205_1206	41205	1206	2070.724	-177.769	-1.944	0.171	-16.515	-3780.54
41206_1206	41206	1206	-2070.72	177.769	1.999	-0.07	16.515	3780.538
41206_1207	41206	1207	2070.724	-153.228	-1.999	0.07	-32.014	-2497.65
41207_1207	41207	1207	-2070.52	133.266	-6.795	-0.259	32.014	2497.687
41207_1208	41207	1208	2070.518	-107.933	6.795	0.259	22.355	-1532.67
41208_1208	41208	1208	-2070.53	107.933	-4.208	1.656	-22.355	1532.673
41208_1209	41208	1209	2070.525	-82.601	4.208	-1.656	56.023	-770.382
41209_1209	41209	1209	-2070.53	82.601	-4.208	1.656	-56.023	770.382
41209_1210	41209	1210	2070.525	-57.27	4.208	-1.656	89.69	-210.786
41210_1210	41210	1210	-2070.66	39.47	-2.55	0.729	-89.69	210.772
41210_1211	41210	1211	2070.657	-20.471	2.55	-0.729	104.993	-30.908
41211_1211	41211	1211	-2070.66	20.471	0.9	0.78	-104.993	30.906
41211_1212	41211	1212	2070.659	-1.472	-0.9	-0.78	99.594	34.934
41212_1212	41212	1212	-2070.66	1.472	0.831	0.781	-99.594	-34.934
41212_1213	41212	1213	2070.659	17.495	-0.831	-0.781	94.618	-13.066
41213_1213	41213	1213	-2070.66	-17.495	-2.55	0.76	-94.618	13.067
41213_1214	41213	1214	2070.657	36.495	2.55	-0.76	109.921	-175.077
41214_1214	41214	1214	-2070.8	-54.542	6.303	0.486	-109.921	175.061
41214_1215	41214	1215	2070.795	79.874	-6.303	-0.486	59.485	-712.834
41215_1215	41215	1215	-2070.8	-79.874	3.716	-0.404	-59.485	712.834
41215_1216	41215	1216	2070.801	105.207	-3.716	0.404	29.752	-1453.33
41216_1216	41216	1216	-2070.8	-105.207	6.303	1.412	-29.752	1453.324

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41216_1217	41216	1217	2070.795	130.538	-6.303	-1.412	-20.684	-2396.49
41217_1217	41217	1217	-2070.71	-149.487	1.506	-1.428	20.684	2396.459
41217_1218	41217	1218	2070.706	174.028	-1.506	1.428	-32.358	-3650.35
41218_1218	41218	1218	-2070.71	-174.028	1.451	-1.525	32.358	3650.346
41218_1219	41218	1219	2070.706	198.537	-1.451	1.525	-43.589	-5092.48
41219_1219	41219	1219	-2070.71	-198.537	2.841	2.768	43.589	5340.341
41219_1220	41219	1220	2070.705	230.435	-2.841	-2.768	-70.588	-7378.36
41220_1220	41220	1220	11.368	493.222	0.896	-41.706	29.164	23686.59
41220_1221	41220	1221	-5.76	-445.764	-0.896	41.706	-40.49	-17779.4
41221_1221	41221	1221	-6.529	445.685	1.117	42.141	31.459	17779.44
41221_1222	41221	1222	10.607	-400.488	-1.117	-42.141	-45.518	-12471.3
41222_1222	41222	1222	-22.606	387.058	-1.116	-2.936	49.416	12469.85
41222_1223	41222	1223	25.455	-340.935	1.116	2.936	-34.57	-7639.24
41223_1223	41223	1223	-35.849	339.985	-0.938	31.011	33.622	7648.627
41223_1224	41223	1224	37.069	-303.468	0.938	-31.011	-22.596	-3866.9
41224_1224	41224	1224	-43.393	282.17	0.594	-0.932	23.265	3866.395
41224_1225	41224	1225	43.688	-256.732	-0.594	0.932	-28.167	-1643.35
41225_1225	41225	1225	-46.366	256.104	0.763	4.748	28.199	1632.357
41225_1226	41225	1226	46.366	-203.913	-0.763	-4.748	-40.722	2142.086
41226_1226	41226	1226	-46.337	180.582	-0.356	12.748	40.722	-2141.77
41226_1227	41226	1227	46.337	-141.334	0.356	-12.748	-36.334	4128.018
41227_1227	41227	1227	-46.338	141.334	-0.13	-7.355	36.334	-4128.03
41227_1228	41227	1228	46.338	-102.117	0.13	7.355	-34.732	5628.982
41228_1228	41228	1228	-46.303	77.391	-1.079	11.471	34.732	-5627.74
41228_1229	41228	1229	46.303	-35.981	1.079	-11.471	-21.417	6327.296
41229_1229	41229	1229	-46.306	35.981	-0.928	-9.118	21.417	-6327.3
41229_1230	41229	1230	46.306	5.397	0.928	9.118	-9.971	6515.871
41230_1230	41230	1230	-46.407	-30.244	1.51	8.6	9.971	-6513.59
41230_1231	41230	1231	46.407	71.626	-1.51	-8.6	-28.599	5885.424
41231_1231	41231	1231	-46.402	-71.626	1.662	-10.599	28.599	-5885.42
41231_1232	41231	1232	46.402	112.977	-1.662	10.599	-49.079	4747.93
41232_1232	41232	1232	-46.461	-139.359	3.345	4.434	49.079	-4746.66
41232_1233	41232	1233	46.461	172.523	-3.345	-4.434	-82.144	3205.383
41233_1233	41233	1233	-46.45	-172.523	3.493	-5.772	82.144	-3205.38
41233_1234	41233	1234	46.45	211.028	-3.493	5.772	-122.23	1004.689
41234_1234	41234	1234	-45.202	-211.334	3.703	-10.867	122.172	-1005.36
41234_1235	41234	1235	45.143	222.053	-3.703	10.867	-133.806	324.515
41235_1235	41235	1235	-38.889	-241.422	-2.838	-5.077	133.792	-344.512
41235_1236	41235	1236	38.179	266.149	2.838	5.077	-113.515	-1469.39
41236_1236	41236	1236	-39.003	-266.014	-2.743	-1.733	113.597	1469.394
41236_1237	41236	1237	38.131	299.872	2.743	1.733	-86.942	-4219.49
41237_1237	41237	1237	-30.414	-300.816	-2.616	5.966	87.397	4211.038
41237_1238	41237	1238	29.429	320.055	2.616	-5.966	-74.901	-5694.99
41238_1238	41238	1238	-23.083	-338.804	2.061	-15.022	73.661	5692.885
41238_1239	41238	1239	20.1	382.745	-2.061	15.022	-95.842	-9568.54
41239_1239	41239	1239	-10.951	-383.175	2.195	9.998	97.996	9568.517
41239_1240	41239	1240	6.722	429.277	-2.195	-9.998	-122.13	-14022.8
41240_1240	41240	1240	8.835	-452.272	-22.849	-29.734	118.223	14015.84
41240_1241	41240	1241	-14.908	504.219	22.849	29.734	154.203	-19712.5
41241_1241	41241	1241	-1986.23	283.61	-5.002	22.971	252.612	6283.95
41241_1242	41241	1242	1986.227	-246.114	5.002	-22.971	-205.074	-3766.92
41242_1242	41242	1242	-1986.23	246.114	-2.803	26.948	205.074	3766.278
41242_1243	41242	1243	1986.231	-233.789	2.803	-26.948	-196.203	-3006.94

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41243_1243	41243	1243	-1983.81	214.755	-32.127	-2.934	196.203	3004.296
41243_1244	41243	1244	1983.807	-178.868	32.127	2.934	99.822	-1190.85
41244_1244	41244	1244	-1983.9	178.868	-25.65	0.954	-99.822	1190.854
41244_1245	41244	1245	1983.901	-138.332	25.65	-0.954	366.786	459.84
41245_1245	41245	1245	-1984.3	123.212	-14.83	3.09	-366.786	-459.605
41245_1246	41245	1246	1984.304	-85.245	14.83	-3.09	511.352	1475.677
41246_1246	41246	1246	-1984.34	85.245	-8.419	-1.678	-511.352	-1475.68
41246_1247	41246	1247	1984.342	-46.762	8.419	1.678	594.533	2127.842
41247_1247	41247	1247	-1984.46	28.446	0.173	3.701	-594.533	-2127.05
41247_1248	41247	1248	1984.458	6.923	-0.173	-3.701	592.96	2224.776
41248_1248	41248	1248	-1984.45	-6.923	4.077	-0.675	-592.96	-2224.78
41248_1249	41248	1249	1984.454	47.957	-4.077	0.675	550.009	1935.671
41249_1249	41249	1249	-1983.32	-67.768	-9.777	3.534	-550.009	-1935.08
41249_1250	41249	1250	1983.315	108.032	9.777	-3.534	651.087	1026.374
41250_1250	41250	1250	-1983.34	-108.032	-1.812	-0.587	-651.087	-1026.38
41250_1251	41250	1251	1983.339	144.206	1.812	0.587	667.921	-145.004
41251_1251	41251	1251	-1986.16	-171.012	62.415	-3.351	-667.921	144.857
41251_1252	41251	1252	1986.161	210.475	-62.415	3.351	35.511	-2077.55
41252_1252	41252	1252	-1985.96	-214.115	68.453	2.966	-35.511	2077.548
41252_1253	41252	1253	1985.963	257.769	-68.453	-2.966	-731.755	-4722.14
41253_1253	41253	1253	-1986.01	-257.769	67.035	-0.413	731.755	4722.335
41253_1254	41253	1254	1986.011	270.24	-67.035	0.413	-943.632	-5556.78
41254_1254	41254	1254	-1981.27	-295.824	-31.48	-53.708	943.632	5553.487
41254_1255	41254	1255	1981.265	320.815	31.48	53.708	-744.238	-7506.36
41255_1255	41255	1255	9.166	464.98	-45.817	9.214	670.792	21094.41
41255_1256	41255	1256	-4.855	-429.354	45.817	-9.214	-298.581	-17463.7
41256_1256	41256	1256	-2.354	429.358	-45.725	38.77	294.981	17463.68
41256_1257	41256	1257	5.589	-398.291	45.725	-38.77	37.499	-14455.9
41257_1257	41257	1257	-16.417	379.057	0.821	-16.942	-31.852	14452.57
41257_1258	41257	1258	20.086	-335.795	-0.821	16.942	23.162	-10742.4
41258_1258	41258	1258	-28.458	335.102	0.963	14.855	-25.604	10742.43
41258_1259	41258	1259	31.519	-283.79	-0.963	-14.855	13.324	-6831.77
41259_1259	41259	1259	-39.454	270.88	4.067	-6.166	-12.491	6940.538
41259_1260	41259	1260	40.722	-233.405	-4.067	6.166	-30.417	-4280.55
41260_1260	41260	1260	-45.781	232.023	4.176	2.761	30.321	4280.552
41260_1261	41260	1261	46.19	-198.665	-4.176	-2.761	-69.79	-2245.25
41261_1261	41261	1261	-48.66	197.816	4.2	3.857	69.79	2268.762
41261_1262	41261	1262	48.66	-186.797	-4.2	-3.857	-83.094	-1659.68
41262_1262	41262	1262	-48.497	157.32	-3.17	1.954	83.094	1659.496
41262_1263	41262	1263	48.497	-118.651	3.17	-1.954	-47.863	-125.792
41263_1263	41263	1263	-48.508	118.651	-3	2.394	47.863	125.785
41263_1264	41263	1264	48.508	-77.132	3	-2.394	-12.062	1042.485
41264_1264	41264	1264	-48.555	53.151	0.091	2.388	12.062	-1042.44
41264_1265	41264	1265	48.555	-12.876	-0.091	-2.388	-13.12	1424.631
41265_1265	41265	1265	-48.554	12.876	0.266	-2.736	13.12	-1424.63
41265_1266	41265	1266	48.554	27.065	-0.266	2.736	-16.175	1343.179
41266_1266	41266	1266	-48.548	-51.773	-0.646	-1.528	16.175	-1343.13
41266_1267	41266	1267	48.548	92.4	0.646	1.528	-8.634	501.307
41267_1267	41267	1267	-48.549	-92.4	-0.526	-2.764	8.634	-501.302
41267_1268	41267	1268	48.549	131.953	0.526	2.764	-2.653	-774.035
41268_1268	41268	1268	-48.555	-156.21	-1.955	-8.653	2.653	774.064
41268_1269	41268	1269	48.555	201.61	1.955	8.653	22.86	-3108.82
41269_1269	41269	1269	-48.561	-201.61	-1.797	1.485	-22.86	3108.834

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41269_1270	41269	1270	48.561	241.449	1.797	-1.485	43.434	-5645.64
41270_1270	41270	1270	-48.561	-261.547	2.749	-22.875	-43.434	5645.667
41270_1271	41270	1271	48.561	293.434	-2.749	22.875	18.234	-8189.04
41271_1271	41271	1271	-48.554	-297.074	2.874	-1.936	-18.234	8189.073
41271_1272	41271	1272	48.554	335.893	-2.874	1.936	-13.829	-11720.5
41272_1272	41272	1272	-46.396	-336.337	2.997	28.988	13.961	11686.88
41272_1273	41272	1273	46.294	351.842	-2.997	-28.988	-26.463	-13122.4
41273_1273	41273	1273	-41.109	-377.047	19.468	-29.428	25.889	13123.42
41273_1274	41273	1274	40.526	406.696	-19.468	29.428	-180.731	-16240.1
41274_1274	41274	1274	-33.705	-407.642	19.538	-8.889	181.001	16240.16
41274_1275	41274	1275	32.618	437.223	-19.538	8.889	-334.931	-19568
41275_1275	41275	1275	-26.914	-437.681	19.717	57.335	337.789	19540.74
41275_1276	41275	1276	26.041	455.219	-19.717	-57.335	-420.234	-21407.5
41276_1276	41276	1276	-17.33	-468.825	-78.096	-67.295	413.872	21302.14
41276_1277	41276	1277	13.972	518.928	78.096	67.295	505.314	-27113.5
41277_1277	41277	1277	-0.427	-519.163	-77.906	50.488	-497.14	27113.71
41277_1278	41277	1278	-4.861	575.541	77.906	-50.488	1495.067	-34121.9
41278_1278	41278	1278	17.604	-564.804	131.259	-81.035	-1513.37	34122.42
41278_1279	41278	1279	-22.824	608.886	-131.259	81.035	247.228	-39781.7
41279_1279	41279	1279	-2777.25	383.133	46.058	45.419	-868.855	14935.57
41279_1280	41279	1280	2777.25	-344.178	-46.058	-45.419	431.2	-11480
41280_1280	41280	1280	-2777.22	344.178	47.6	56.133	-431.2	11704.44
41280_1281	41280	1281	2777.224	-323.27	-47.6	-56.133	173.197	-9895.56
41281_1281	41281	1281	-2777.22	306.179	-22.826	-10.432	-173.197	9929.544
41281_1282	41281	1282	2777.219	-262.079	22.826	10.432	455.314	-6417.85
41282_1282	41282	1282	-2777.28	262.079	-14.521	8.76	-455.314	6417.847
41282_1283	41282	1283	2777.275	-218.754	14.521	-8.76	631.632	-3498.57
41283_1283	41283	1283	-2777.27	170.089	13.623	-0.648	-631.632	3498.566
41283_1284	41283	1284	2777.267	-125.824	-13.623	0.648	462.621	-1663.03
41284_1284	41284	1284	-2777.21	125.824	22.638	4.75	-462.621	1663.019
41284_1285	41284	1285	2777.208	-87.441	-22.638	-4.75	219.092	-515.942
41285_1285	41285	1285	-2777.1	49.935	30.07	1.16	-219.092	515.809
41285_1286	41285	1286	2777.1	-10.007	-30.07	-1.16	-117.393	-180.43
41286_1286	41286	1286	-2777	10.007	38.393	1.7	117.393	180.425
41286_1287	41286	1287	2776.997	27.112	-38.393	-1.7	-516.798	-269.396
41287_1287	41287	1287	-2777.27	-64.282	-21.449	-1.819	516.798	269.416
41287_1288	41287	1288	2777.271	111.014	21.449	1.819	-235.875	-1417.37
41288_1288	41288	1288	-2777.33	-114.654	-11.891	3.058	235.875	1417.372
41288_1289	41288	1289	2777.328	154.695	11.891	-3.058	-102.43	-2928.7
41289_1289	41289	1289	-2777.36	-189.796	-4.371	-4.022	102.43	2928.763
41289_1290	41289	1290	2777.364	204.085	4.371	4.022	-84.925	-3717.46
41290_1290	41290	1290	-2777.37	-204.085	-0.37	1.217	84.925	3488.753
41290_1291	41290	1291	2777.367	240.282	0.37	-1.217	-81.406	-5599.47
41291_1291	41291	1291	79.739	812.464	22.067	-2.136	-260.996	26776.62
41291_1292	41291	1292	-76.13	-780.573	-22.067	2.136	96.783	-20850.6
41292_1292	41292	1292	53.423	751.313	4.689	-26.303	-94.574	20851.03
41292_1293	41292	1293	-48.83	-698.73	-4.689	26.303	35.146	-11660.1
41293_1293	41293	1293	27.585	699.84	4.742	27.665	-39.068	11660.12
41293_1294	41293	1294	-25.036	-654.837	-4.742	-27.665	-13.996	-4081.07
41294_1294	41294	1294	8.973	621.534	-1.246	6.527	15.442	4059.939
41294_1295	41294	1295	-8.036	-593.74	1.246	-6.527	-6.651	225.389
41295_1295	41295	1295	-3.392	593.783	-1.199	4.471	6.709	-224.247
41295_1296	41295	1296	3.751	-568.726	1.199	-4.471	1.872	4384.574

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41296_1296	41296	1296	-11.503	568.62	-1.186	-0.229	-1.817	-4384.58
41296_1297	41296	1297	11.523	-537.889	1.186	0.229	12.25	9250.244
41297_1297	41297	1297	-11.877	498.526	1.21	39.14	-12.25	-9250.27
41297_1298	41297	1298	11.877	-484.368	-1.21	-39.14	7.347	11241.77
41298_1298	41298	1298	-11.875	484.368	1.229	21.308	-7.347	-11241.8
41298_1299	41298	1299	11.875	-450.96	-1.229	-21.308	-3.057	15200.94
41299_1299	41299	1299	-11.871	450.96	1.267	-27.381	3.057	-15200.9
41299_1300	41299	1300	11.871	-403.663	-1.267	27.381	-18.242	20322.43
41300_1300	41300	1300	-11.866	356.27	1.437	51.325	18.242	-20322.5
41300_1301	41300	1301	11.866	-304.324	-1.437	-51.325	-37.154	24670.3
41301_1301	41301	1301	-11.86	304.324	1.484	-47.542	37.154	-24670.3
41301_1302	41301	1302	11.86	-259.619	-1.484	47.542	-53.967	27864.6
41302_1302	41302	1302	-11.858	207.859	0.077	69.765	53.967	-27864.7
41302_1303	41302	1303	11.858	-154.734	-0.077	-69.765	-55.009	30305.35
41303_1303	41303	1303	-11.858	154.734	0.133	-72.387	55.009	-30305.3
41303_1304	41303	1304	11.858	-111.164	-0.133	72.387	-56.478	31773.21
41304_1304	41304	1304	-11.854	57.244	1.394	64.866	56.478	-31773.4
41304_1305	41304	1305	11.854	-5.684	-1.394	-64.866	-74.688	32184.47
41305_1305	41305	1305	-11.849	5.684	1.441	-63.138	74.688	-32184.5
41305_1306	41305	1306	11.849	39.425	-1.441	63.138	-91.157	31991.63
41306_1306	41306	1306	-11.845	-95.911	0.734	59.244	91.157	-31991.6
41306_1307	41306	1307	11.845	142.723	-0.734	-59.244	-99.869	30576.22
41307_1307	41307	1307	-11.842	-142.723	0.776	-47.542	99.869	-30576.2
41307_1308	41307	1308	11.842	192.588	-0.776	47.542	-109.672	28457.71
41308_1308	41308	1308	-11.835	-242.81	2.729	51.455	109.672	-28457.8
41308_1309	41308	1309	11.835	290.809	-2.729	-51.455	-142.864	25212.46
41309_1309	41309	1309	-11.825	-290.809	2.774	-45.191	142.864	-25212.5
41309_1310	41309	1310	11.825	339.509	-2.774	45.191	-177.099	21323.12
41310_1310	41310	1310	-11.824	-384.235	-1.713	30.298	177.099	-21323.1
41310_1311	41310	1311	11.824	434.785	1.713	-30.298	-155.162	16077.44
41311_1311	41311	1311	-11.83	-434.785	-1.667	-31.252	155.162	-16077.4
41311_1312	41311	1312	11.83	485.224	1.667	31.252	-133.852	10197.93
41312_1312	41312	1312	-11.857	-528.391	-7.456	2.49	133.852	-10197.9
41312_1313	41312	1313	11.857	599.235	7.456	-2.49	0	76.052
42000_2000	42000	2000	-0.683	16.526	-4.876	5.765	0	-0.799
42000_2001	42000	2001	0.683	9.27	4.876	-5.765	77.827	58.704
42001_2001	42001	2001	-0.679	-9.27	-4.877	5.813	-77.827	-58.7
42001_2002	42001	2002	0.679	26.442	4.877	-5.813	129.64	-131.018
42002_2002	42002	2002	-0.46	22.752	6.822	4.182	-129.64	130.98
42002_2003	42002	2003	0.46	-3.075	-6.822	-4.182	46.578	26.248
42003_2003	42003	2003	-0.459	3.075	6.822	4.18	-46.578	-26.248
42003_2004	42003	2004	0.459	16.619	-6.822	-4.18	-36.552	-56.273
42004_2004	42004	2004	-0.575	19.706	-0.258	3.521	36.552	55.998
42004_2005	42004	2005	0.575	-0.028	0.258	-3.521	-33.412	64.141
42005_2005	42005	2005	-0.575	0.028	-0.258	3.567	33.412	-64.138
42005_2006	42005	2006	0.575	19.667	0.258	-3.567	-30.264	-55.526
42006_2006	42006	2006	-0.569	20.046	0.181	1.594	30.264	55.513
42006_2007	42006	2007	0.569	-0.367	-0.181	-1.594	-32.47	68.767
42007_2007	42007	2007	-0.569	0.367	0.181	1.594	32.47	-68.767
42007_2008	42007	2008	0.569	19.313	-0.181	-1.594	-34.677	-46.583
42008_2008	42008	2008	-0.571	19.488	-0.027	-0.269	34.677	46.912
42008_2009	42008	2009	0.571	0.193	0.027	0.269	-34.343	70.577
42009_2009	42009	2009	-0.571	-0.193	-0.027	-0.334	34.343	-70.577

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42009_2010	42009	2010	0.571	19.889	0.027	0.334	-34.015	-51.786
42010_2010	42010	2010	-0.573	19.283	-0.248	-2.059	34.015	51.797
42010_2011	42010	2011	0.573	0.399	0.248	2.059	-30.996	63.184
42011_2011	42011	2011	-0.573	-0.399	-0.248	-2.059	30.996	-63.184
42011_2012	42011	2012	0.573	20.08	0.248	2.059	-27.977	-61.512
42012_2012	42012	2012	-0.572	18.664	-0.112	-3.503	27.977	61.264
42012_2013	42012	2013	0.572	1.014	0.112	3.503	-26.609	46.183
42013_2013	42013	2013	-0.572	-1.014	-0.112	-3.545	26.609	-46.18
42013_2014	42013	2014	0.572	20.706	0.112	3.545	-25.246	-86.138
42014_2014	42014	2014	-0.58	18.295	-2.212	-3.706	25.246	86.079
42014_2015	42014	2015	0.58	8.511	2.212	3.706	11.445	-4.939
42015_2015	42015	2015	-0.582	-8.511	-2.212	-3.716	-11.445	4.944
42015_2016	42015	2016	0.582	21.84	2.212	3.716	29.687	-130.1
42016_2016	42016	2016	-0.6	19.638	-0.05	-2.8	-29.687	130.776
42016_2017	42016	2017	0.6	-0.913	0.05	2.8	30.277	-9.988
42017_2017	42017	2017	-0.6	0.913	-0.05	-2.794	-30.277	9.989
42017_2018	42017	2018	0.6	20.183	0.05	2.794	30.936	-137.602
42018_2018	42018	2018	-0.62	19.456	3.897	-1.749	-30.936	137.738
42018_2019	42018	2019	0.62	0.456	-3.897	1.749	-17.779	-18.979
42019_2019	42019	2019	-0.617	-0.456	3.897	-1.734	17.779	18.98
42019_2020	42019	2020	0.617	20.367	-3.897	1.734	-66.496	-149.119
42020_2020	42020	2020	-0.643	21.139	-3.76	-0.954	66.496	149.161
42020_2021	42020	2021	0.643	-5.999	3.76	0.954	-30.759	-20.185
42021_2021	42021	2021	-0.638	5.999	-3.761	-0.987	30.759	20.185
42021_2022	42021	2022	0.638	6.338	3.761	0.987	-1.631	-21.498
42022_2022	42022	2022	-0.639	-6.338	-3.76	-0.984	1.631	21.498
42022_2023	42022	2023	0.639	18.692	3.76	0.984	27.533	-118.562
42023_2023	42023	2023	-0.635	19.394	0.379	-0.33	-27.533	118.512
42023_2024	42023	2024	0.635	-6.656	-0.379	0.33	24.501	-14.359
42024_2024	42024	2024	-0.635	6.656	0.379	-0.33	-24.501	14.359
42024_2025	42024	2025	0.635	6.081	-0.379	0.33	21.47	-12.057
42025_2025	42025	2025	-0.635	-6.081	0.378	-0.344	-21.47	12.056
42025_2026	42025	2026	0.635	18.835	-0.378	0.344	18.439	-111.813
42026_2026	42026	2026	-0.638	18.912	0.083	-0.377	-18.439	111.633
42026_2027	42026	2027	0.638	-9.351	-0.083	0.377	17.941	-26.814
42027_2027	42027	2027	-0.638	9.351	0.084	-0.337	-17.941	26.814
42027_2028	42027	2028	0.638	0.192	-0.084	0.337	17.437	0.624
42028_2028	42028	2028	-0.638	-0.192	0.083	-0.336	-17.437	-0.624
42028_2029	42028	2029	0.638	9.752	-0.083	0.336	16.938	-29.219
42029_2029	42029	2029	-0.638	-9.752	0.083	-0.336	-16.938	29.219
42029_2030	42029	2030	0.638	19.313	-0.083	0.336	16.439	-116.445
42030_2030	42030	2030	-0.643	18.398	-0.483	-0.352	-16.439	116.388
42030_2031	42030	2031	0.643	-5.652	0.483	0.352	20.306	-20.16
42031_2031	42031	2031	-0.642	5.652	-0.484	-0.38	-20.306	20.159
42031_2032	42031	2032	0.642	7.08	0.484	0.38	24.176	-25.866
42032_2032	42032	2032	-0.643	-7.08	-0.483	-0.344	-24.176	25.866
42032_2033	42032	2033	0.643	19.826	0.483	0.344	28.043	-133.52
42033_2033	42033	2033	-0.61	18.552	2.329	0.025	-28.043	133.542
42033_2034	42033	2034	0.61	-6.199	-2.329	-0.025	9.978	-37.565
42034_2034	42034	2034	-0.608	6.199	2.33	0.068	-9.978	37.565
42034_2035	42034	2035	0.608	6.137	-2.33	-0.068	-8.067	-37.325
42035_2035	42035	2035	-0.606	-6.137	2.33	0.09	8.067	37.325
42035_2036	42035	2036	0.606	21.272	-2.33	-0.09	-30.211	-167.544

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42036_2036	42036	2036	-0.718	21.099	-2.717	0.873	30.211	167.56
42036_2037	42036	2037	0.718	-1.179	2.717	-0.873	3.772	-28.262
42037_2037	42037	2037	-0.717	1.179	-2.717	0.871	-3.772	28.262
42037_2038	42037	2038	0.717	18.726	2.717	-0.871	37.728	-137.893
42038_2038	42038	2038	-0.66	14.362	0.932	1.88	-37.728	137.899
42038_2039	42038	2039	0.66	6.729	-0.932	-1.88	25.392	-87.359
42039_2039	42039	2039	-0.66	-6.729	0.932	2.074	-25.392	86.831
42039_2040	42039	2040	0.66	25.1	-0.932	-2.074	14.44	-273.908
42040_2040	42040	2040	-0.688	19.224	-0.468	2.888	-14.44	274.034
42040_2041	42040	2041	0.688	-6.328	0.468	-2.888	18.303	-168.613
42041_2041	42041	2041	-0.688	6.328	-0.468	2.891	-18.303	168.613
42041_2042	42041	2042	0.688	18.93	0.468	-2.891	25.869	-270.451
42042_2042	42042	2042	-0.661	21.113	1.859	2.345	-25.869	270.476
42042_2043	42042	2043	0.661	-2.404	-1.859	-2.345	3.619	-129.714
42043_2043	42043	2043	-0.66	2.404	1.859	2.444	-3.619	129.712
42043_2044	42043	2044	0.66	16.288	-1.859	-2.444	-18.617	-212.741
42044_2044	42044	2044	-0.679	19.886	0.094	1.279	18.617	212.882
42044_2045	42044	2045	0.679	-1.177	-0.094	-1.279	-19.743	-86.808
42045_2045	42045	2045	-0.679	1.177	0.094	1.279	19.743	86.808
42045_2046	42045	2046	0.679	17.532	-0.094	-1.279	-20.87	-184.701
42046_2046	42046	2046	-0.681	19.552	-0.134	-0.261	20.87	184.516
42046_2047	42046	2047	0.681	-0.851	0.134	0.261	-19.268	-62.442
42047_2047	42047	2047	-0.681	0.851	-0.134	-0.261	19.268	62.442
42047_2048	42047	2048	0.681	17.851	0.134	0.261	-17.667	-164.154
42048_2048	42048	2048	-0.683	18.971	-0.281	-1.612	17.667	164.058
42048_2049	42048	2049	0.683	-0.271	0.281	1.612	-14.308	-48.936
42049_2049	42049	2049	-0.683	0.271	-0.281	-1.653	14.308	48.935
42049_2050	42049	2050	0.683	18.431	0.281	1.653	-10.942	-157.586
42050_2050	42050	2050	-0.701	18.459	-1.863	-2.163	10.942	157.435
42050_2051	42050	2051	0.701	6.771	1.863	2.163	19.136	-63.095
42051_2051	42051	2051	-0.702	-6.771	-1.863	-2.15	-19.136	63.098
42051_2052	42051	2052	0.702	19.652	1.863	2.15	34.49	-171.984
42052_2052	42052	2052	-0.702	20.689	-0.453	-1.508	-34.49	172.071
42052_2053	42052	2053	0.702	-2.324	0.453	1.508	39.812	-36.862
42053_2053	42053	2053	-0.702	2.324	-0.453	-1.483	-39.812	36.869
42053_2054	42053	2054	0.702	17.753	0.453	1.483	45.815	-139.122
42054_2054	42054	2054	-0.694	18.254	2.894	-0.633	-45.815	138.974
42054_2055	42054	2055	0.694	0.677	-2.894	0.633	9.643	-29.125
42055_2055	42055	2055	-0.691	-0.677	2.895	-0.609	-9.643	29.126
42055_2056	42055	2056	0.691	19.608	-2.895	0.609	-26.534	-155.891
42056_2056	42056	2056	-0.73	20.187	-2.872	0.012	26.534	155.918
42056_2057	42056	2057	0.73	-5.794	2.872	-0.012	0.757	-32.479
42057_2057	42057	2057	-0.734	5.794	-2.871	0.049	-0.757	32.48
42057_2058	42057	2058	0.734	5.941	2.871	-0.049	23.001	-33.047
42058_2058	42058	2058	-0.73	-5.941	-2.872	0.007	-23.001	33.047
42058_2059	42058	2059	0.73	17.677	2.872	-0.007	45.254	-124.542
42059_2059	42059	2059	-0.707	18.898	1.539	0.35	-45.254	124.533
42059_2060	42059	2060	0.707	-6.772	-1.539	-0.35	32.936	-21.778
42060_2060	42060	2060	-0.707	6.772	1.539	0.349	-32.936	21.778
42060_2061	42060	2061	0.707	5.338	-1.539	-0.349	20.633	-16.045
42061_2061	42061	2061	-0.707	-5.338	1.539	0.35	-20.633	16.045
42061_2062	42061	2062	0.707	17.464	-1.539	-0.35	8.315	-107.32
42062_2062	42062	2062	-0.717	18.373	0.619	0.304	-8.315	107.229

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42062_2063	42062	2063	0.717	-9.297	-0.619	-0.304	4.608	-24.33
42063_2063	42063	2063	-0.716	9.297	0.62	0.347	-4.608	24.329
42063_2064	42063	2064	0.716	-0.207	-0.62	-0.347	0.888	4.189
42064_2064	42064	2064	-0.717	0.207	0.619	0.354	-0.888	-4.188
42064_2065	42064	2065	0.717	8.884	-0.619	-0.354	-2.826	-21.853
42065_2065	42065	2065	-0.717	-8.884	0.619	0.354	2.826	21.853
42065_2066	42065	2066	0.717	17.975	-0.619	-0.354	-6.539	-102.459
42066_2066	42066	2066	-0.723	18.09	0.056	0.28	6.539	102.296
42066_2067	42066	2067	0.723	-5.967	-0.056	-0.28	-6.99	-6.029
42067_2067	42067	2067	-0.723	5.967	0.056	0.28	6.99	6.029
42067_2068	42067	2068	0.723	6.14	-0.056	-0.28	-7.44	-6.719
42068_2068	42068	2068	-0.723	-6.14	0.056	0.28	7.44	6.719
42068_2069	42068	2069	0.723	18.262	-0.056	-0.28	-7.891	-104.366
42069_2069	42069	2069	-0.688	17.458	2.557	0.783	7.891	104.286
42069_2070	42069	2070	0.688	-5.715	-2.557	-0.783	-27.717	-14.453
42070_2070	42070	2070	-0.688	5.715	2.557	0.782	27.717	14.453
42070_2071	42070	2071	0.688	6.013	-2.557	-0.782	-47.518	-15.607
42071_2071	42071	2071	-0.687	-6.013	2.557	0.792	47.518	15.608
42071_2072	42071	2072	0.687	20.411	-2.557	-0.792	-71.828	-141.203
42072_2072	42072	2072	-0.754	20.452	-3.296	1.527	71.828	141.143
42072_2073	42072	2073	0.754	-1.522	3.296	-1.527	-30.639	-3.833
42073_2073	42073	2073	-0.754	1.522	-3.296	1.527	30.639	3.833
42073_2074	42073	2074	0.754	17.407	3.296	-1.527	10.55	-103.094
42074_2074	42074	2074	-0.673	15.077	0.911	2.321	-10.55	103.143
42074_2075	42074	2075	0.673	4.99	-0.911	-2.321	-1.522	-36.32
42075_2075	42075	2075	-0.673	-4.99	0.911	2.646	1.522	36.292
42075_2076	42075	2076	0.673	22.406	-0.911	-2.646	-12.236	-197.331
42076_2076	42076	2076	-0.699	18.091	-0.314	3.066	12.236	197.316
42076_2077	42076	2077	0.699	-5.87	0.314	-3.066	-9.646	-98.485
42077_2077	42077	2077	-0.699	5.87	-0.315	2.957	9.646	98.49
42077_2078	42077	2078	0.699	15.874	0.315	-2.957	-5.027	-171.9
42078_2078	42078	2078	-0.686	18.038	1.205	2.425	5.027	172.122
42078_2079	42078	2079	0.686	-1.367	-1.205	-2.425	-18.583	-62.942
42079_2079	42079	2079	-0.686	1.367	1.205	2.422	18.583	62.943
42079_2080	42079	2080	0.686	15.289	-1.205	-2.422	-32.126	-141.207
42080_2080	42080	2080	-0.696	16.897	-0.097	1.498	32.126	141.214
42080_2081	42080	2081	0.696	-0.231	0.097	-1.498	-31.031	-44.867
42081_2081	42081	2081	-0.696	0.231	-0.098	1.458	31.031	44.868
42081_2082	42081	2082	0.696	16.437	0.098	-1.458	-29.929	-136.034
42082_2082	42082	2082	-0.696	18.184	-0.098	0.127	29.929	135.922
42082_2083	42082	2083	0.696	-0.286	0.098	-0.127	-28.747	-24.356
42083_2083	42083	2083	-0.696	0.286	-0.098	0.107	28.747	24.356
42083_2084	42083	2084	0.696	17.628	0.098	-0.107	-27.556	-129.202
42084_2084	42084	2084	-0.698	16.87	-0.256	-1.216	27.556	129.215
42084_2085	42084	2085	0.698	-0.206	0.256	1.216	-24.68	-33.179
42085_2085	42085	2085	-0.698	0.206	-0.256	-1.246	24.68	33.177
42085_2086	42085	2086	0.698	16.444	0.256	1.246	-21.799	-124.421
42086_2086	42086	2086	-0.699	16.263	-0.224	-2.334	21.799	124.647
42086_2087	42086	2087	0.699	0.401	0.224	2.334	-19.277	-35.433
42087_2087	42087	2087	-0.699	-0.401	-0.225	-2.365	19.277	35.431
42087_2088	42087	2088	0.699	17.065	0.225	2.365	-16.748	-133.664
42088_2088	42088	2088	-0.72	14.972	-1.892	-2.753	16.748	133.68
42088_2089	42088	2089	0.72	5.958	1.892	2.753	9.981	-70.003

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42089_2089	42089	2089	-0.72	-5.958	-1.892	-2.757	-9.981	70.006
42089_2090	42089	2090	0.72	18.173	1.892	2.757	25.58	-169.481
42090_2090	42090	2090	-0.72	18.719	-0.375	-2.264	-25.58	169.699
42090_2091	42090	2091	0.72	-1.302	0.375	2.264	29.984	-52.012
42091_2091	42091	2091	-0.72	1.302	-0.375	-2.267	-29.984	52.021
42091_2092	42091	2092	0.72	18.03	0.375	2.267	34.954	-162.823
42092_2092	42092	2092	-0.714	17.91	2.493	-1.402	-34.954	162.669
42092_2093	42092	2093	0.714	0.325	-2.493	1.402	3.808	-52.802
42093_2093	42093	2093	-0.712	-0.325	2.493	-1.359	-3.808	52.803
42093_2094	42093	2094	0.712	18.573	-2.493	1.359	-27.37	-170.963
42094_2094	42094	2094	-0.707	19.343	-2.418	-0.655	27.37	170.916
42094_2095	42094	2095	0.707	-5.474	2.418	0.655	-4.392	-52.982
42095_2095	42095	2095	-0.709	5.474	-2.417	-0.611	4.392	52.986
42095_2096	42095	2096	0.709	5.825	2.417	0.611	14.323	-54.345
42096_2096	42096	2096	-0.706	-5.825	-2.418	-0.679	-14.323	54.345
42096_2097	42096	2097	0.706	17.139	2.418	0.679	33.07	-143.372
42097_2097	42097	2097	-0.686	18.009	0.811	-0.125	-33.07	143.23
42097_2098	42097	2098	0.686	-6.346	-0.811	0.125	26.591	-45.898
42098_2098	42098	2098	-0.686	6.346	0.811	-0.124	-26.591	45.898
42098_2099	42098	2099	0.686	5.333	-0.811	0.124	20.103	-41.844
42099_2099	42099	2099	-0.686	-5.333	0.811	-0.124	-20.103	41.844
42099_2100	42099	2100	0.686	17.011	-0.811	0.124	13.616	-131.248
42100_2100	42100	2100	-0.692	17.57	0.198	-0.038	-13.616	131.22
42100_2101	42100	2101	0.692	-8.811	-0.198	0.038	12.428	-52.048
42101_2101	42101	2101	-0.692	8.811	0.198	-0.04	-12.428	52.048
42101_2102	42101	2102	0.692	-0.067	-0.198	0.04	11.242	-25.448
42102_2102	42102	2102	-0.692	0.067	0.198	-0.039	-11.242	25.448
42102_2103	42102	2103	0.692	8.692	-0.198	0.039	10.054	-51.331
42103_2103	42103	2103	-0.692	-8.692	0.198	-0.039	-10.054	51.331
42103_2104	42103	2104	0.692	17.45	-0.198	0.039	8.866	-129.785
42104_2104	42104	2104	-0.694	17.242	-0.433	-0.009	-8.866	129.788
42104_2105	42104	2105	0.694	-5.563	0.433	0.009	12.335	-38.529
42105_2105	42105	2105	-0.695	5.563	-0.433	0.038	-12.335	38.529
42105_2106	42105	2106	0.695	6.102	0.433	-0.038	15.793	-40.685
42106_2106	42106	2106	-0.695	-6.102	-0.433	0.04	-15.793	40.685
42106_2107	42106	2107	0.695	17.781	0.433	-0.04	19.255	-136.255
42107_2107	42107	2107	-0.686	16.951	2.424	0.491	-19.255	136.284
42107_2108	42107	2108	0.686	-5.637	-2.424	-0.491	0.459	-48.718
42108_2108	42108	2108	-0.683	5.637	2.425	0.552	-0.459	48.718
42108_2109	42108	2109	0.683	5.663	-2.425	-0.552	-18.318	-48.818
42109_2109	42109	2109	-0.686	-5.663	2.424	0.496	18.318	48.817
42109_2110	42109	2110	0.686	19.532	-2.424	-0.496	-41.358	-168.542
42110_2110	42110	2110	-0.717	19.333	-2.707	1.273	41.358	168.54
42110_2111	42110	2111	0.717	-1.101	2.707	-1.273	-7.536	-40.895
42111_2111	42111	2111	-0.719	1.101	-2.707	1.307	7.536	40.894
42111_2112	42111	2112	0.719	17.145	2.707	-1.307	26.306	-141.202
42112_2112	42112	2112	-0.689	14.045	0.65	2.198	-26.306	141.229
42112_2113	42112	2113	0.689	5.296	-0.65	-2.198	17.69	-83.252
42113_2113	42113	2113	-0.689	-5.296	0.65	2.414	-17.69	83.289
42113_2114	42113	2114	0.689	22.394	-0.65	-2.414	10.055	-245.877
42114_2114	42114	2114	-0.696	17.383	-0.128	3.183	-10.055	245.875
42114_2115	42114	2115	0.696	-5.37	0.128	-3.183	11.109	-152.002
42115_2115	42115	2115	-0.696	5.37	-0.129	2.832	-11.109	152.009

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42115_2116	42115	2116	0.696	15.95	0.129	-2.832	13.003	-229.474
42116_2116	42116	2116	-0.695	18.432	1.35	2.815	-13.003	229.308
42116_2117	42116	2117	0.695	-2.064	-1.35	-2.815	-2.17	-114.105
42117_2117	42117	2117	-0.696	2.064	1.349	2.714	2.17	114.107
42117_2118	42117	2118	0.696	14.305	-1.349	-2.714	-17.335	-182.915
42118_2118	42118	2118	-0.693	17.148	0.013	1.992	17.335	182.904
42118_2119	42118	2119	0.693	-0.781	-0.013	-1.992	-17.486	-82.127
42119_2119	42119	2119	-0.693	0.781	0.014	2.066	17.486	82.126
42119_2120	42119	2120	0.693	15.6	-0.014	-2.066	-17.644	-165.488
42120_2120	42120	2120	-0.693	18.37	0.164	0.748	17.644	165.318
42120_2121	42120	2121	0.693	-0.78	-0.164	-0.748	-19.625	-49.642
42121_2121	42121	2121	-0.693	0.78	0.164	0.748	19.625	49.642
42121_2122	42121	2122	0.693	16.81	-0.164	-0.748	-21.607	-146.477
42122_2122	42122	2122	-0.693	17.004	0.004	-0.665	21.607	146.476
42122_2123	42122	2123	0.693	-0.623	-0.004	0.665	-21.655	-47.319
42123_2123	42123	2123	-0.693	0.623	0.004	-0.665	21.655	47.319
42123_2124	42123	2124	0.693	15.742	-0.004	0.665	-21.703	-132.292
42124_2124	42124	2124	-0.693	16.396	-0.444	-1.915	21.703	132.302
42124_2125	42124	2125	0.693	-0.03	0.444	1.915	-16.709	-39.98
42125_2125	42125	2125	-0.693	0.03	-0.444	-1.879	16.709	39.981
42125_2126	42125	2126	0.693	16.35	0.444	1.879	-11.718	-131.786
42126_2126	42126	2126	-0.695	14.704	-1.736	-2.535	11.718	131.651
42126_2127	42126	2127	0.695	5.491	1.736	2.535	12.358	-67.754
42127_2127	42127	2127	-0.696	-5.491	-1.735	-2.472	-12.358	67.756
42127_2128	42127	2128	0.696	17.517	1.735	2.472	26.691	-162.778
42128_2128	42128	2128	-0.707	18.382	-0.319	-2.089	-26.691	162.614
42128_2129	42128	2129	0.707	-1.289	0.319	2.089	30.439	-47.141
42129_2129	42129	2129	-0.707	1.289	-0.319	-1.972	-30.439	47.15
42129_2130	42129	2130	0.707	18.024	0.319	1.972	34.674	-158.103
42130_2130	42130	2130	-0.721	17.264	4.641	-1.495	-34.674	157.977
42130_2131	42130	2131	0.721	0.942	-4.641	1.495	-23.339	-55.964
42131_2131	42131	2131	-0.717	-0.942	4.642	-1.451	23.339	55.965
42131_2132	42131	2132	0.717	19.133	-4.642	1.451	-81.312	-181.336
42132_2132	42132	2132	-2.866	18.366	-4.998	-0.474	81.312	153.694
42132_2133	42132	2133	2.866	-4.53	4.998	0.474	-33.831	-44.936
42133_2133	42133	2133	-2.862	4.53	-5	-0.506	33.831	44.935
42133_2134	42133	2134	2.862	6.758	5	0.506	4.92	-53.568
42134_2134	42134	2134	-2.862	-6.758	-5	-0.506	-4.92	53.568
42134_2135	42134	2135	2.862	18.06	5	0.506	43.72	-149.862
42135_2135	42135	2135	-2.889	18.482	1.094	0.108	-43.72	150.06
42135_2136	42135	2136	2.889	-6.828	-1.094	-0.108	34.965	-48.803
42136_2136	42136	2136	-2.89	6.828	1.091	0.047	-34.965	48.803
42136_2137	42136	2137	2.89	4.825	-1.091	-0.047	26.239	-40.789
42137_2137	42137	2137	-2.889	-4.825	1.094	0.098	-26.239	40.789
42137_2138	42137	2138	2.889	16.479	-1.094	-0.098	17.483	-126.019
42138_2138	42138	2138	-2.881	17.43	0.612	-0.013	-17.483	126.019
42138_2139	42138	2139	2.881	-8.69	-0.612	0.013	13.809	-47.647
42139_2139	42139	2139	-2.881	8.69	0.612	-0.013	-13.809	47.647
42139_2140	42139	2140	2.881	0.051	-0.612	0.013	10.135	-21.726
42140_2140	42140	2140	-2.881	-0.051	0.612	-0.013	-10.135	21.726
42140_2141	42140	2141	2.881	8.791	-0.612	0.013	6.461	-48.255
42141_2141	42141	2141	-2.881	-8.791	0.612	-0.013	-6.461	48.255
42141_2142	42141	2142	2.881	17.531	-0.612	0.013	2.786	-127.235

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42142_2142	42142	2142	-2.859	17.111	-0.576	-0.206	-2.786	127.087
42142_2143	42142	2143	2.859	-5.472	0.576	0.206	7.387	-36.854
42143_2143	42143	2143	-2.859	5.472	-0.572	-0.159	-7.387	36.854
42143_2144	42143	2144	2.859	6.182	0.572	0.159	11.965	-39.696
42144_2144	42144	2144	-2.859	-6.182	-0.576	-0.209	-11.965	39.696
42144_2145	42144	2145	2.859	17.836	0.576	0.209	16.571	-135.783
42145_2145	42145	2145	-2.913	16.785	2.539	0.198	-16.571	135.934
42145_2146	42145	2146	2.913	-5.496	-2.539	-0.198	-3.111	-49.582
42146_2146	42146	2146	-2.913	5.496	2.539	0.198	3.111	49.582
42146_2147	42146	2147	2.913	5.794	-2.539	-0.198	-22.792	-50.737
42147_2147	42147	2147	-2.915	-5.794	2.537	0.139	22.792	50.733
42147_2148	42147	2148	2.915	19.633	-2.537	-0.139	-46.894	-171.531
42148_2148	42148	2148	-2.817	19.561	-3.15	0.912	46.894	171.539
42148_2149	42148	2149	2.817	-1.352	3.15	-0.912	-7.512	-40.816
42149_2149	42149	2149	-2.815	1.352	-3.152	0.879	7.512	40.817
42149_2150	42149	2150	2.815	16.842	3.152	-0.879	31.869	-137.572
42150_2150	42150	2150	-2.883	13.697	0.771	1.77	-31.869	137.587
42150_2151	42150	2151	2.883	5.605	-0.771	-1.77	21.648	-83.968
42151_2151	42151	2151	-2.883	-5.605	0.77	1.8	-21.648	82.468
42151_2152	42151	2152	2.883	23.458	-0.77	-1.8	12.604	-253.242
42152_2152	42152	2152	-2.884	17.179	0.811	2.237	-12.604	253.246
42152_2153	42152	2153	2.884	-4.643	-0.811	-2.237	5.913	-163.215
42153_2153	42153	2153	-2.884	4.643	0.811	2.23	-5.913	163.205
42153_2154	42153	2154	2.884	16.233	-0.811	-2.23	-5.229	-242.842
42154_2154	42154	2154	-2.88	18.827	0.59	1.846	5.229	242.835
42154_2155	42154	2155	2.88	-2.114	-0.59	-1.846	-11.723	-127.639
42155_2155	42155	2155	-2.88	2.114	0.59	1.846	11.723	127.639
42155_2156	42155	2156	2.88	14.6	-0.59	-1.846	-18.217	-196.322
42156_2156	42156	2156	-2.875	16.602	0.324	0.932	18.217	196.306
42156_2157	42156	2157	2.875	-1.392	-0.324	-0.932	-21.463	-106.231
42157_2157	42157	2157	-2.875	1.392	0.321	0.827	21.463	106.232
42157_2158	42157	2158	2.875	13.832	-0.321	-0.827	-24.684	-168.568
42158_2158	42158	2158	-2.867	15.364	-0.134	-0.291	24.684	168.386
42158_2159	42158	2159	2.867	-0.154	0.134	0.291	-23.337	-90.706
42159_2159	42159	2159	-2.867	0.154	-0.134	-0.291	23.337	90.706
42159_2160	42159	2160	2.867	15.055	0.134	0.291	-21.991	-165.296
42160_2160	42160	2160	-2.858	16.71	-0.662	-1.477	21.991	165.437
42160_2161	42160	2161	2.858	0.004	0.662	1.477	-14.703	-73.536
42161_2161	42161	2161	-2.858	-0.004	-0.662	-1.477	14.703	73.536
42161_2162	42161	2162	2.858	16.717	0.662	1.477	-7.415	-165.516
42162_2162	42162	2162	-2.85	15.391	-1.069	-2.278	7.415	165.502
42162_2163	42162	2163	2.85	5.501	1.069	2.278	7.288	-97.494
42163_2163	42163	2163	-2.85	-5.501	-1.067	-2.203	-7.288	97.486
42163_2164	42163	2164	2.85	18.021	1.067	2.203	16.083	-194.413
42164_2164	42164	2164	-2.848	19.557	-1.231	-1.731	-16.083	194.421
42164_2165	42164	2165	2.848	-1.704	1.231	1.731	30.552	-69.489
42165_2165	42165	2165	-2.848	1.704	-1.232	-1.723	-30.552	69.794
42165_2166	42165	2166	2.848	18.965	1.232	1.723	46.877	-184.162
42166_2166	42166	2166	-2.955	18.881	4.648	-0.985	-46.877	184.176
42166_2167	42166	2167	2.955	0.618	-4.648	0.985	-11.228	-70.009
42167_2167	42167	2167	-2.955	-0.618	4.648	-0.985	11.228	70.009
42167_2168	42167	2168	2.955	20.117	-4.648	0.985	-69.332	-199.622
42168_2168	42168	2168	-2.801	20.697	-4.283	-0.314	69.332	199.492

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42168_2169	42168	2169	2.801	-5.894	4.283	0.314	-28.676	-73.297
42169_2169	42169	2169	-2.8	5.894	-4.284	-0.311	28.676	73.292
42169_2170	42169	2170	2.8	6.196	4.284	0.311	4.529	-74.462
42170_2170	42170	2170	-2.794	-6.196	-4.287	-0.407	-4.529	74.462
42170_2171	42170	2171	2.794	18.285	4.287	0.407	37.763	-169.344
42171_2171	42171	2171	-2.891	19.486	1.23	0.169	-37.763	169.514
42171_2172	42171	2172	2.891	-7.007	-1.23	-0.169	27.921	-63.527
42172_2172	42172	2172	-2.893	7.007	1.226	0.09	-27.921	63.527
42172_2173	42172	2173	2.893	5.473	-1.226	-0.09	18.108	-57.39
42173_2173	42173	2173	-2.891	-5.473	1.23	0.161	-18.108	57.39
42173_2174	42173	2174	2.891	17.952	-1.23	-0.161	8.266	-151.104
42174_2174	42174	2174	-2.873	18.85	0.139	0.096	-8.266	150.951
42174_2175	42174	2175	2.873	-9.49	-0.139	-0.096	7.434	-65.918
42175_2175	42175	2175	-2.873	9.49	0.139	0.094	-7.434	65.918
42175_2176	42175	2176	2.873	-0.146	-0.139	-0.094	6.603	-37.053
42176_2176	42176	2176	-2.873	0.146	0.139	0.096	-6.603	37.053
42176_2177	42176	2177	2.873	9.214	-0.139	-0.096	5.771	-64.26
42177_2177	42177	2177	-2.873	-9.214	0.139	0.096	-5.771	64.26
42177_2178	42177	2178	2.873	18.573	-0.139	-0.096	4.938	-147.634
42178_2178	42178	2178	-2.852	18.455	-0.985	-0.023	-4.938	147.788
42178_2179	42178	2179	2.852	-5.976	0.985	0.023	12.817	-50.045
42179_2179	42179	2179	-2.854	5.976	-0.981	0.04	-12.817	50.045
42179_2180	42179	2180	2.854	6.503	0.981	-0.04	20.668	-52.155
42180_2180	42180	2180	-2.852	-6.503	-0.985	-0.025	-20.668	52.155
42180_2181	42180	2181	2.852	18.983	0.985	0.025	28.547	-154.118
42181_2181	42181	2181	-2.952	17.949	4.772	0.328	-28.547	154.122
42181_2182	42181	2182	2.952	-5.86	-4.772	-0.328	-8.439	-61.845
42182_2182	42182	2182	-2.952	5.86	4.772	0.328	8.439	61.845
42182_2183	42182	2183	2.952	6.229	-4.772	-0.328	-45.425	-63.276
42183_2183	42183	2183	-2.956	-6.229	4.769	0.248	45.425	63.269
42183_2184	42183	2184	2.956	21.033	-4.769	-0.248	-90.691	-192.653
42184_2184	42184	2184	-2.78	20.913	-5.229	0.916	90.691	192.794
42184_2185	42184	2185	2.78	-1.414	5.229	-0.916	-25.323	-53.233
42185_2185	42185	2185	-2.776	1.414	-5.231	0.873	25.323	53.234
42185_2186	42185	2186	2.776	18.085	5.231	-0.873	40.074	-157.45
42186_2186	42186	2186	-2.884	15.656	1.008	1.609	-40.074	157.461
42186_2187	42186	2187	2.884	5.013	-1.008	-1.609	26.719	-86.945
42187_2187	42187	2187	-2.885	-5.013	1.006	1.557	-26.719	86.18
42187_2188	42187	2188	2.885	24.132	-1.006	-1.557	14.897	-257.441
42188_2188	42188	2188	-2.883	19.345	0.907	2.054	-14.897	257.447
42188_2189	42188	2189	2.883	-5.937	-0.907	-2.054	7.425	-153.267
42189_2189	42189	2189	-2.883	5.937	0.907	2.068	-7.425	153.291
42189_2190	42189	2190	2.883	16.436	-0.907	-2.068	-5.043	-225.48
42190_2190	42190	2190	-2.878	19.477	0.643	1.622	5.043	225.472
42190_2191	42190	2191	2.878	-1.579	-0.643	-1.622	-12.114	-109.646
42191_2191	42191	2191	-2.878	1.579	0.643	1.622	12.114	109.646
42191_2192	42191	2192	2.878	16.32	-0.643	-1.622	-19.186	-190.735
42192_2192	42192	2192	-2.869	17.519	0.123	0.147	19.186	190.712
42192_2193	42192	2193	2.869	-1.101	-0.123	-0.147	-20.428	-96.761
42193_2193	42193	2193	-2.869	1.101	0.126	0.243	20.428	96.76
42193_2194	42193	2194	2.869	15.317	-0.126	-0.243	-21.7	-168.493
42194_2194	42194	2194	-2.854	16.349	-0.616	-1.249	21.7	168.463
42194_2195	42194	2195	2.854	0.069	0.616	1.249	-15.486	-86.317

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42195_2195	42195	2195	-2.853	-0.069	-0.619	-1.334	15.486	86.315
42195_2196	42195	2196	2.853	16.487	0.619	1.334	-9.244	-169.854
42196_2196	42196	2196	-2.844	17.61	-0.997	-2.681	9.244	169.819
42196_2197	42196	2197	2.844	0.288	0.997	2.681	1.725	-74.534
42197_2197	42197	2197	-2.844	-0.288	-0.997	-2.682	-1.725	74.534
42197_2198	42197	2198	2.844	18.171	0.997	2.682	12.684	-175.984
42198_2198	42198	2198	-2.831	16.402	-1.555	-3.304	-12.684	175.969
42198_2199	42198	2199	2.831	5.971	1.555	3.304	34.067	-104.246
42199_2199	42199	2199	-2.831	-5.971	-1.555	-3.299	-34.067	104.239
42199_2200	42199	2200	2.831	19.395	1.555	3.299	46.898	-208.893
42200_2200	42200	2200	-2.847	21.124	-0.889	-2.142	-46.898	208.923
42200_2201	42200	2201	2.847	-2.005	0.889	2.142	57.345	-73.021
42201_2201	42201	2201	-2.847	2.005	-0.887	-2.08	-57.345	73.291
42201_2202	42201	2202	2.847	20.381	0.887	2.08	69.093	-194.963
42202_2202	42202	2202	-2.958	20.424	3.641	-1.003	-69.093	194.991
42202_2203	42202	2203	2.958	0.71	-3.641	1.003	23.569	-71.758
42203_2203	42203	2203	-2.956	-0.71	3.644	-0.945	-23.569	71.758
42203_2204	42203	2204	2.956	21.844	-3.644	0.945	-21.984	-212.746
42204_2204	42204	2204	-2.779	22.375	-3.582	0.136	21.984	212.778
42204_2205	42204	2205	2.779	-6.313	3.582	-0.136	12.048	-76.484
42205_2205	42205	2205	-2.782	6.313	-3.579	0.226	-12.048	76.472
42205_2206	42205	2206	2.782	6.79	3.579	-0.226	39.79	-78.322
42206_2206	42206	2206	-2.782	-6.79	-3.579	0.225	-39.79	78.322
42206_2207	42206	2207	2.782	19.877	3.579	-0.225	67.498	-181.539
42207_2207	42207	2207	-2.912	20.911	1.668	0.687	-67.498	181.713
42207_2208	42207	2208	2.912	-7.385	-1.668	-0.687	54.152	-68.511
42208_2208	42208	2208	-2.91	7.385	1.672	0.773	-54.152	68.51
42208_2209	42208	2209	2.91	6.141	-1.672	-0.773	40.778	-63.535
42209_2209	42209	2209	-2.912	-6.141	1.668	0.693	-40.778	63.536
42209_2210	42209	2210	2.912	19.667	-1.668	-0.693	27.432	-166.787
42210_2210	42210	2210	-2.882	20.403	0.459	0.862	-27.432	166.79
42210_2211	42210	2211	2.882	-10.259	-0.459	-0.862	24.676	-74.788
42211_2211	42211	2211	-2.882	10.259	0.459	0.862	-24.676	74.788
42211_2212	42211	2212	2.882	-0.114	-0.459	-0.862	21.919	-43.662
42212_2212	42212	2212	-2.882	0.114	0.459	0.862	-21.919	43.662
42212_2213	42212	2213	2.882	10.03	-0.459	-0.862	19.163	-73.414
42213_2213	42213	2213	-2.882	-10.03	0.459	0.862	-19.163	73.414
42213_2214	42213	2214	2.882	20.175	-0.459	-0.862	16.407	-164.043
42214_2214	42214	2214	-2.886	20.107	0.467	0.828	-16.407	163.858
42214_2215	42214	2215	2.886	-6.581	-0.467	-0.828	12.671	-57.087
42215_2215	42215	2215	-2.886	6.581	0.467	0.827	-12.671	57.087
42215_2216	42215	2216	2.886	6.928	-0.467	-0.827	8.94	-58.471
42216_2216	42216	2216	-2.887	-6.928	0.463	0.755	-8.94	58.472
42216_2217	42216	2217	2.887	20.454	-0.463	-0.755	5.233	-168.016
42217_2217	42217	2217	-2.96	19.479	3.694	1.19	-5.233	168.179
42217_2218	42217	2218	2.96	-6.376	-3.694	-1.19	-23.402	-67.98
42218_2218	42218	2218	-2.965	6.376	3.69	1.102	23.402	67.981
42218_2219	42218	2219	2.965	6.728	-3.69	-1.102	-52.007	-69.345
42219_2219	42219	2219	-2.964	-6.728	3.691	1.107	52.007	69.341
42219_2220	42219	2220	2.964	22.79	-3.691	-1.107	-87.077	-209.57
42220_2220	42220	2220	-2.804	22.805	-3.347	1.902	87.077	209.462
42220_2221	42220	2221	2.804	-1.691	3.347	-1.902	-45.266	-56.483
42221_2221	42221	2221	-2.807	1.691	-3.345	1.947	45.266	56.482

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42221_2222	42221	2222	2.807	19.441	3.345	-1.947	-3.45	-167.42
42222_2222	42222	2222	-2.837	16.956	-0.685	2.596	3.45	167.585
42222_2223	42222	2223	2.837	5.443	0.685	-2.596	5.633	-91.312
42223_2223	42223	2223	-2.837	-5.443	-0.683	3.32	-5.633	90.257
42223_2224	42223	2224	2.837	26.147	0.683	-3.32	13.66	-275.852
42224_2224	42224	2224	-2.836	22.511	2.068	2.789	-13.66	276.02
42224_2225	42224	2225	2.836	-7.975	-2.068	-2.789	-3.398	-150.261
42225_2225	42225	2225	-2.837	7.975	2.066	2.711	3.398	150.248
42225_2226	42225	2226	2.837	20.535	-2.066	-2.711	-36.831	-251.865
42226_2226	42226	2226	-2.802	23.024	0.209	1.96	36.831	251.577
42226_2227	42226	2227	2.802	-1.51	-0.209	-1.96	-39.381	-101.789
42227_2227	42227	2227	-2.801	1.51	0.225	2.544	39.381	101.776
42227_2228	42227	2228	2.801	20.006	-0.225	-2.544	-42.128	-214.704
42228_2228	42228	2228	-2.81	22.237	0.681	0.287	42.128	214.725
42228_2229	42228	2229	2.81	-0.718	-0.681	-0.287	-50.445	-74.556
42229_2229	42229	2229	-2.81	0.718	0.683	0.348	50.445	74.556
42229_2230	42229	2230	2.81	20.801	-0.683	-0.348	-58.79	-197.192
42230_2230	42230	2230	-2.708	21.809	-1.665	-1.766	58.79	197.301
42230_2231	42230	2231	2.708	-0.132	1.665	1.766	-38.308	-62.329
42231_2231	42231	2231	-2.724	0.132	-1.638	-1.157	38.308	62.343
42231_2232	42231	2232	2.724	21.533	1.638	1.157	-18.163	-193.91
42232_2232	42232	2232	-2.779	21.722	-0.268	-3.219	18.163	193.694
42232_2233	42232	2233	2.779	2.925	0.268	3.219	-14.416	-62.225
42233_2233	42233	2233	-2.779	-2.925	-0.266	-3.169	14.416	62.206
42233_2234	42233	2234	2.779	21.138	0.266	3.169	-11.669	-186.574
42234_2234	42234	2234	-2.683	19.366	-2.276	-2.693	11.669	186.602
42234_2235	42234	2235	2.683	0.733	2.276	2.693	14.29	-80.327
42235_2235	42235	2235	-2.715	-0.733	-2.237	-1.884	-14.29	80.301
42235_2236	42235	2236	2.715	19.313	2.237	1.884	36.486	-179.747
42236_2236	42236	2236	-3.06	18.911	3.917	-1.806	-36.486	179.898
42236_2237	42236	2237	3.06	0.738	-3.917	1.806	-4.614	-84.557
42237_2237	42237	2237	-3.063	-0.738	3.915	-1.864	4.614	84.555
42237_2238	42237	2238	3.063	21.042	-3.915	1.864	-47.062	-202.637
42238_2238	42238	2238	-2.407	23.071	-4.17	0.028	47.062	202.744
42238_2239	42238	2239	2.407	-3.441	4.17	-0.028	-3.344	-63.787
42239_2239	42239	2239	-2.432	3.441	-4.156	0.415	3.344	63.785
42239_2240	42239	2240	2.432	22.797	4.156	-0.415	54.884	-199.396
42240_2240	42240	2240	-2.845	21.166	1.292	0.362	-54.884	199.369
42240_2241	42240	2241	2.845	-3.62	-1.292	-0.362	42.775	-83.247
42241_2241	42241	2241	-2.846	3.62	1.29	0.302	-42.775	83.247
42241_2242	42241	2242	2.846	15.576	-1.29	-0.302	29.548	-144.527
42242_2242	42242	2242	-2.899	17.924	2.136	0.761	-29.548	144.638
42242_2243	42242	2243	2.899	0.521	-2.136	-0.761	8.504	-58.923
42243_2243	42243	2243	-2.898	-0.521	2.138	0.788	-8.504	58.923
42243_2244	42243	2244	2.898	18.835	-2.138	-0.788	-12.404	-153.576
42244_2244	42244	2244	-2.787	19.178	0.505	0.523	12.404	153.528
42244_2245	42244	2245	2.787	-2.073	-0.505	-0.523	-17.02	-56.466
42245_2245	42245	2245	-2.784	2.073	0.522	0.853	17.02	56.462
42245_2246	42245	2246	2.784	17.557	-0.522	-0.853	-22.487	-137.618
42246_2246	42246	2246	-2.756	16.226	-0.019	0.21	22.487	137.582
42246_2247	42246	2247	2.756	3.028	0.019	-0.21	-22.292	-69.729
42247_2247	42247	2247	-2.756	-3.028	-0.018	0.236	22.292	69.729
42247_2248	42247	2248	2.756	20.535	0.018	-0.236	-22.124	-179.876

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42248_2248	42248	2248	-2.74	22.093	-1.077	0.072	22.124	179.549
42248_2249	42248	2249	2.74	1.782	1.077	-0.072	-8.398	-50.067
42249_2249	42249	2249	-2.756	-1.782	-1.037	0.803	8.398	50.052
42249_2250	42249	2250	2.756	23.769	1.037	-0.803	3.773	-200.061
42250_2250	42250	2250	-2.529	21.284	-8.282	1.074	-3.773	200.073
42250_2251	42250	2251	2.529	4.786	8.282	-1.074	119.079	-85.23
42251_2251	42251	2251	-2.523	-4.786	-8.284	1.019	-119.079	85.231
42251_2252	42251	2252	2.523	19.211	8.284	-1.019	182.897	-177.664
42252_2252	42252	2252	-3.747	19.525	27.661	-0.2	-182.897	177.538
42252_2253	42252	2253	3.747	-0.604	-27.661	0.2	-96.61	-75.839
42253_2253	42253	2253	-3.577	0.604	27.684	0.268	96.61	75.839
42253_2254	42253	2254	3.577	22.207	-27.684	-0.268	-433.831	-207.415
42254_2254	42254	2254	0.329	18.551	-26.557	2.944	433.831	207.45
42254_2255	42254	2255	-0.329	-0.738	26.557	-2.944	-194.459	-120.522
42255_2255	42255	2255	0.351	0.738	-26.557	2.846	194.459	120.524
42255_2256	42255	2256	-0.351	28.564	26.557	-2.846	199.29	-326.806
42256_2256	42256	2256	-0.274	24.102	6.221	-2.636	-199.29	326.75
42256_2257	42256	2257	0.274	-1.994	-6.221	2.636	129.694	-180.782
42257_2257	42257	2257	-0.234	1.994	6.223	-1.46	-129.694	180.795
42257_2258	42257	2258	0.234	21.443	-6.223	1.46	55.894	-296.119
42258_2258	42258	2258	-0.165	22.355	0.625	-0.741	-55.894	296.335
42258_2259	42258	2259	0.165	0.562	-0.625	0.741	48.652	-169.981
42259_2259	42259	2259	-0.165	-0.562	0.624	-0.801	-48.652	169.981
42259_2260	42259	2260	0.165	23.219	-0.624	0.801	41.493	-306.302
42260_2260	42260	2260	-0.137	21.59	-3.835	-3.197	-41.493	306.197
42260_2261	42260	2261	0.137	1.425	3.835	3.197	86.155	-188.777
42261_2261	42261	2261	-0.188	-1.425	-3.833	-0.704	-86.155	188.803
42261_2262	42261	2262	0.188	23.96	3.833	0.704	129.862	-333.537
42262_2262	42262	2262	-0.149	22.87	1.62	-5.021	-129.862	333.472
42262_2263	42262	2263	0.149	2.078	-1.62	5.021	109.408	-202.241
42263_2263	42263	2263	-0.15	-2.078	1.62	-5.109	-109.408	202.239
42263_2264	42263	2264	0.15	25.329	-1.62	5.109	90.345	-363.467
42264_2264	42264	2264	-0.202	23.251	-7.414	-6.759	-90.345	363.821
42264_2265	42264	2265	0.202	2.003	7.414	6.759	185.086	-228.059
42265_2265	42265	2265	-0.248	-2.003	-7.413	-5.331	-185.086	228.096
42265_2266	42265	2266	0.248	25.282	7.413	5.331	272.399	-388.796
42266_2266	42266	2266	0.02	27.083	9.065	-5.488	-272.399	388.669
42266_2267	42266	2267	-0.02	-6.504	-9.065	5.488	178.002	-213.799
42267_2267	42267	2267	0.035	6.504	9.065	-5.139	-178.002	213.808
42267_2268	42267	2268	-0.035	12.122	-9.065	5.139	92.566	-240.279
42268_2268	42268	2268	-0.01	22.186	2.407	-1.291	-92.566	240.244
42268_2269	42268	2269	0.01	0.041	-2.407	1.291	65.924	-117.664
42269_2269	42269	2269	0.025	-0.041	2.406	0.432	-65.924	117.67
42269_2270	42269	2270	-0.025	26.612	-2.406	-0.432	34.077	-294.038
42270_2270	42270	2270	0.036	36.548	1.397	0.597	-34.077	294.143
42270_2271	42270	2271	-0.036	-13.106	-1.397	-0.597	17.768	-4.277
42271_2271	42271	2271	0.036	13.106	1.397	0.595	-17.768	4.277
42271_2272	42271	2272	-0.036	12.432	-1.397	-0.595	0	0.005
42372_2372	42372	2372	0.095	8.688	-0.783	0.863	0	0.006
42372_2373	42372	2373	-0.095	9.771	0.783	-0.863	9.668	-6.692
42373_2373	42373	2373	0.096	-9.771	-0.783	0.857	-9.668	6.693
42373_2374	42373	2374	-0.096	27.816	0.783	-0.857	19.119	-233.673
42374_2374	42374	2374	0.083	20.621	0.485	1.284	-19.119	233.01

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42374_2375	42374	2375	-0.083	-2.376	-0.485	-1.284	13.202	-92.61
42375_2375	42375	2375	0.083	2.376	0.485	1.245	-13.202	92.61
42375_2376	42375	2376	-0.083	13.531	-0.485	-1.245	8.043	-151.986
42376_2376	42376	2376	0.062	15.205	1.326	0.522	-8.043	151.886
42376_2377	42376	2377	-0.062	1.566	-1.326	-0.522	-6.842	-75.341
42377_2377	42377	2377	0.08	-1.566	1.325	1.557	6.842	75.327
42377_2378	42377	2378	-0.08	17.375	-1.325	-1.557	-20.863	-175.532
42378_2378	42378	2378	0.061	18.061	-1.17	1.078	20.863	175.527
42378_2379	42378	2379	-0.061	1.344	1.17	-1.078	-5.672	-66.974
42379_2379	42379	2379	0.06	-1.344	-1.17	1.133	5.672	66.974
42379_2380	42379	2380	-0.06	18.164	1.17	-1.133	7.496	-176.777
42380_2380	42380	2380	0.069	15.021	1.437	0.614	-7.496	176.812
42380_2381	42380	2381	-0.069	1.415	-1.437	-0.614	-8.313	-101.977
42381_2381	42381	2381	0.08	-1.415	1.437	1.352	8.313	101.97
42381_2382	42381	2382	-0.08	16.122	-1.437	-1.352	-22.453	-188.282
42382_2382	42382	2382	0.075	18.385	-2.131	2.022	22.453	187.85
42382_2383	42382	2383	-0.075	0.261	2.131	-2.022	4.144	-74.761
42383_2383	42383	2383	0.076	-0.261	-2.131	1.984	-4.144	74.762
42383_2384	42383	2384	-0.076	16.997	2.131	-1.984	28.015	-171.418
42384_2384	42384	2384	0.079	18.427	0.635	3.237	-28.015	171.618
42384_2385	42384	2385	-0.079	-2.266	-0.635	-3.237	21.094	-58.775
42385_2385	42385	2385	0.078	2.266	0.635	3.175	-21.094	58.779
42385_2386	42385	2386	-0.078	15.558	-0.635	-3.175	13.459	-138.72
42386_2386	42386	2386	0.082	18.429	0.659	3.032	-13.459	138.601
42386_2387	42386	2387	-0.082	-0.093	-0.659	-3.032	5.304	-23.999
42387_2387	42387	2387	0.089	0.093	0.658	3.254	-5.304	23.97
42387_2388	42387	2388	-0.089	17.765	-0.658	-3.254	-2.628	-130.465
42388_2388	42388	2388	0.09	18.629	0.809	2.742	2.628	130.53
42388_2389	42388	2389	-0.09	0.721	-0.809	-2.742	-13.199	-13.603
42389_2389	42389	2389	0.089	-0.721	0.81	2.727	13.199	13.606
42389_2390	42389	2390	-0.089	17.558	-0.81	-2.727	-22.398	-117.454
42390_2390	42390	2390	0.093	18.291	0.334	1.797	22.398	117.459
42390_2391	42390	2391	-0.093	1.541	-0.334	-1.797	-26.871	-5.365
42391_2391	42391	2391	0.096	-1.541	0.333	1.844	26.871	5.349
42391_2392	42391	2392	-0.096	17.908	-0.333	-1.844	-30.553	-112.76
42392_2392	42392	2392	0.095	17.889	0.452	0.66	30.553	112.498
42392_2393	42392	2393	-0.095	1.223	-0.452	-0.66	-36.38	-5.021
42393_2393	42393	2393	0.095	-1.223	0.452	0.658	36.38	5.021
42393_2394	42393	2394	-0.095	18.291	-0.452	-0.658	-41.584	-117.406
42394_2394	42394	2394	0.096	17.936	0.522	-0.682	41.584	117.692
42394_2395	42394	2395	-0.096	-0.348	-0.522	0.682	-47.784	-9.183
42395_2395	42395	2395	0.101	0.348	0.521	-0.589	47.784	9.189
42395_2396	42395	2396	-0.101	18.265	-0.521	0.589	-54.333	-121.725
42396_2396	42396	2396	0.106	16.519	1.897	-1.938	54.333	121.58
42396_2397	42396	2397	-0.106	1.469	-1.897	1.938	-77.365	-30.233
42397_2397	42397	2397	0.107	-1.469	1.897	-1.929	77.365	30.233
42397_2398	42397	2398	-0.107	19.673	-1.897	1.929	-100.672	-160.095
42398_2398	42398	2398	0.098	19.331	-3.798	-3.441	100.672	160.102
42398_2399	42398	2399	-0.098	-0.404	3.798	3.441	-52.158	-34.056
42399_2399	42399	2399	0.08	0.404	-3.798	-3.277	52.158	34.072
42399_2400	42399	2400	-0.08	18.471	3.798	3.277	-3.773	-149.149
42400_2400	42400	2400	0.083	21.074	-0.257	-1.383	3.773	149.259
42400_2401	42400	2401	-0.083	0.67	0.257	1.383	0	0.445

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42572_2572	42572	2572	-0.025	8.753	-0.104	1.224	0	-0.027
42572_2573	42572	2573	0.025	9.726	0.104	-1.224	1.283	-5.986
42573_2573	42573	2573	-0.025	-9.726	-0.104	1.222	-1.283	5.987
42573_2574	42573	2574	0.025	27.642	0.104	-1.222	2.527	-230.016
42574_2574	42574	2574	-0.012	20.388	-0.552	0.89	-2.527	230.512
42574_2575	42574	2575	0.012	-2.426	0.552	-0.89	9.168	-93.377
42575_2575	42575	2575	-0.012	2.426	-0.552	0.926	-9.168	93.377
42575_2576	42575	2576	0.012	13.321	0.552	-0.926	14.989	-150.793
42576_2576	42576	2576	-0.062	15.259	1.523	0.524	-14.989	150.609
42576_2577	42576	2577	0.062	1.563	-1.523	-0.524	-2.159	-73.507
42577_2577	42577	2577	-0.042	-1.563	1.524	1.491	2.159	73.494
42577_2578	42577	2578	0.042	17.636	-1.524	-1.491	-18.549	-176.762
42578_2578	42578	2578	-0.082	17.909	-1.177	1.116	18.549	176.778
42578_2579	42578	2579	0.082	1.308	1.177	-1.116	-3.416	-70.021
42579_2579	42579	2579	-0.081	-1.308	-1.177	1.048	3.416	70.022
42579_2580	42579	2580	0.081	18.207	1.177	-1.048	9.893	-180.381
42580_2580	42580	2580	-0.06	15.287	1.814	0.895	-9.893	180.601
42580_2581	42580	2581	0.06	1.099	-1.814	-0.895	-10.005	-102.804
42581_2581	42581	2581	-0.05	-1.099	1.815	1.477	10.005	102.797
42581_2582	42581	2582	0.05	15.751	-1.815	-1.477	-27.8	-185.412
42582_2582	42582	2582	-0.126	18.521	-2.104	1.798	27.8	185.688
42582_2583	42582	2583	0.126	-0.097	2.104	-1.798	-1.855	-70.898
42583_2583	42583	2583	-0.125	0.097	-2.104	1.773	1.855	70.898
42583_2584	42583	2584	0.125	16.707	2.104	-1.773	21.807	-164.294
42584_2584	42584	2584	-0.12	18.246	-0.393	2.386	-21.807	164.472
42584_2585	42584	2585	0.12	-2.139	0.393	-2.386	26.076	-53.683
42585_2585	42585	2585	-0.119	2.139	-0.393	2.364	-26.076	53.684
42585_2586	42585	2586	0.119	15.632	0.393	-2.364	30.786	-134.597
42586_2586	42586	2586	-0.111	18.328	1.614	2.769	-30.786	134.896
42586_2587	42586	2587	0.111	-0.197	-1.614	-2.769	11.039	-21.56
42587_2587	42587	2587	-0.095	0.197	1.615	2.979	-11.039	21.532
42587_2588	42587	2588	0.095	17.761	-1.615	-2.979	-8.532	-127.961
42588_2588	42588	2588	-0.103	18.511	0.396	2.446	8.532	128.046
42588_2589	42588	2589	0.103	0.676	-0.396	-2.446	-13.658	-12.577
42589_2589	42589	2589	-0.103	-0.676	0.396	2.453	13.658	12.576
42589_2590	42589	2590	0.103	17.57	-0.396	-2.453	-18.172	-116.592
42590_2590	42590	2590	-0.1	18.209	0.449	1.618	18.172	116.516
42590_2591	42590	2591	0.1	1.511	-0.449	-1.618	-24.146	-5.402
42591_2591	42591	2591	-0.096	-1.511	0.45	1.66	24.146	5.389
42591_2592	42591	2592	0.096	17.867	-0.45	-1.66	-29.109	-112.338
42592_2592	42592	2592	-0.095	17.722	0.451	0.609	29.109	112.82
42592_2593	42592	2593	0.095	1.152	-0.451	-0.609	-34.857	-7.285
42593_2593	42593	2593	-0.094	-1.152	0.451	0.613	34.857	7.284
42593_2594	42593	2594	0.094	18.367	-0.451	-0.613	-40.101	-120.667
42594_2594	42594	2594	-0.092	17.932	0.422	-0.646	40.101	120.046
42594_2595	42594	2595	0.092	-0.355	-0.422	0.646	-45.11	-11.583
42595_2595	42595	2595	-0.087	0.355	0.423	-0.513	45.11	11.589
42595_2596	42595	2596	0.087	18.147	-0.423	0.513	-50.396	-122.673
42596_2596	42596	2596	-0.083	16.193	1.254	-1.566	50.396	122.66
42596_2597	42596	2597	0.083	1.77	-1.254	1.566	-65.596	-35.24
42597_2597	42597	2597	-0.083	-1.77	1.254	-1.555	65.596	35.24
42597_2598	42597	2598	0.083	19.888	-1.254	1.555	-80.928	-167.643
42598_2598	42598	2598	-0.085	19.998	-3.329	-2.194	80.928	167.438

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42598_2599	42598	2599	0.085	-1.128	3.329	2.194	-38.532	-32.918
42599_2599	42599	2599	-0.104	1.128	-3.329	-2.01	38.532	32.929
42599_2600	42599	2600	0.104	17.694	3.329	2.01	3.749	-138.146
42600_2600	42600	2600	-0.094	20.602	0.329	-2.265	-3.749	137.891
42600_2601	42600	2601	0.094	-3.721	-0.329	2.265	0	0.653
43000_3000	43000	3000	4.399	457.204	1.729	7.187	0	21.579
43000_3001	43000	3001	-4.399	-413.706	-1.729	-7.187	-25.793	6473.975
43001_3001	43001	3001	4.401	413.706	1.724	-0.444	25.793	-6473.98
43001_3002	43001	3002	-4.401	-383.389	-1.724	0.444	-43.717	10617.57
43002_3002	43002	3002	4.372	326.103	-1.586	15.76	43.717	-10617.8
43002_3003	43002	3003	-4.372	-290.643	1.586	-15.76	-24.427	14367.72
43003_3003	43003	3003	4.37	290.643	-1.594	-9.175	24.427	-14367.7
43003_3004	43003	3004	-4.37	-255.161	1.594	9.175	-5.032	17688.35
43004_3004	43004	3004	4.388	212.435	0.893	11.083	5.032	-17688.7
43004_3005	43004	3005	-4.388	-176.96	-0.893	-11.083	-15.902	20057.3
43005_3005	43005	3005	4.389	176.96	0.889	-7.322	15.902	-20057.3
43005_3006	43005	3006	-4.389	-141.46	-0.889	7.322	-26.73	21995.52
43006_3006	43006	3006	4.38	98.052	-0.202	20.714	26.73	-21995.9
43006_3007	43006	3007	-4.38	-62.584	0.202	-20.714	-24.279	22972.76
43007_3007	43007	3007	4.379	62.584	-0.209	-19.078	24.279	-22972.8
43007_3008	43007	3008	-4.379	-27.095	0.209	19.078	-21.735	23518.48
43008_3008	43008	3008	4.389	-15.856	0.888	8.871	21.735	-23519.1
43008_3009	43008	3009	-4.389	51.339	-0.888	-8.871	-32.545	23110.31
43009_3009	43009	3009	4.39	-51.339	0.885	-9.986	32.545	-23110.3
43009_3010	43009	3010	-4.39	86.817	-0.885	9.986	-43.31	22269.86
43010_3010	43010	3010	4.382	-130.153	-0.165	15.136	43.31	-22270.2
43010_3011	43010	3011	-4.382	165.628	0.165	-15.136	-41.297	20471.06
43011_3011	43011	3011	4.382	-165.628	-0.173	-18.289	41.297	-20471.1
43011_3012	43011	3012	-4.382	201.096	0.173	18.289	-39.197	18240.79
43012_3012	43012	3012	4.382	-243.585	-0.101	3.592	39.197	-18241.2
43012_3013	43012	3013	-4.382	279.076	0.101	-3.592	-37.965	15060.61
43013_3013	43013	3013	4.382	-279.076	-0.105	-8.702	37.965	-15060.6
43013_3014	43013	3014	-4.382	314.563	0.105	8.702	-36.689	11448.42
43014_3014	43014	3014	4.384	-355.889	0.195	1.217	36.689	-11448.6
43014_3015	43014	3015	-4.384	403.874	-0.195	-1.217	-39.895	5197.498
43015_3015	43015	3015	8.97	-403.799	0.189	-6.681	39.832	-5194.8
43015_3016	43015	3016	-9.225	426.253	-0.189	6.681	-41.386	1774.209
43016_3016	43016	3016	19.886	-475.088	-0.277	-4.139	41.359	-1775.16
43016_3017	43016	3017	-20.939	507.192	0.277	4.139	-38.103	-3999.28
43017_3017	43017	3017	35.125	-506.406	-0.283	-0.723	38.257	3999.303
43017_3018	43017	3018	-37.492	545.257	0.283	0.723	-34.52	-10977.4
43018_3018	43018	3018	57.099	-593.219	2.554	-15.867	33.269	10977.36
43018_3019	43018	3019	-60.531	631.717	-2.554	15.867	-65.29	-18663
43019_3019	43019	3019	77.945	-629.804	2.547	11.797	68.266	18663.04
43019_3020	43019	3020	-82.74	670.759	-2.547	-11.797	-100.268	-26844.5
43020_3020	43020	3020	-2492.25	206.409	-15.592	-6.104	365.818	5720.361
43020_3021	43020	3021	2492.246	-179.853	15.592	6.104	-217.793	-3886.8
43021_3021	43021	3021	-2492.27	179.853	-10.827	2.672	217.793	3870.311
43021_3022	43021	3022	2492.271	-160.276	10.827	-2.672	-133.855	-2551.9
43022_3022	43022	3022	-2492.27	160.276	-10.827	2.672	133.855	2551.895
43022_3023	43022	3023	2492.271	-140.699	10.827	-2.672	-49.918	-1385.25
43023_3023	43023	3023	-2492.31	93.787	-9.09	-0.643	49.918	1385.297
43023_3024	43023	3024	2492.305	-73.579	9.09	0.643	22.825	-715.657

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43024_3024	43024	3024	-2492.31	73.579	-9.09	-0.643	-22.825	715.657
43024_3025	43024	3025	2492.305	-53.371	9.09	0.643	95.568	-207.722
43025_3025	43025	3025	-2492.31	53.371	-6.308	-0.411	-95.568	207.723
43025_3026	43025	3026	2492.313	-33.191	6.308	0.411	145.973	138.143
43026_3026	43026	3026	-2492.3	-13.322	-5.247	-0.819	-145.973	-138.228
43026_3027	43026	3027	2492.296	28.477	5.247	0.819	177.459	12.808
43027_3027	43027	3027	-2492.3	-28.477	-1.114	-0.84	-177.459	-12.807
43027_3028	43027	3028	2492.301	43.629	1.114	0.84	184.145	-203.513
43028_3028	43028	3028	-2492.3	-43.629	-1.114	-0.84	-184.145	203.513
43028_3029	43028	3029	2492.301	58.781	1.114	0.84	190.832	-510.745
43029_3029	43029	3029	-2492.3	-58.781	3.019	0.007	-190.832	510.746
43029_3030	43029	3030	2492.3	73.93	-3.019	-0.007	172.719	-908.819
43030_3030	43030	3030	-2492.31	-120.836	1.519	-3.439	-172.719	908.772
43030_3031	43030	3031	2492.306	141.062	-1.519	3.439	160.553	-1957.55
43031_3031	43031	3031	-2492.3	-141.062	4.313	-1.245	-160.553	1957.552
43031_3032	43031	3032	2492.302	161.259	-4.313	1.245	126.06	-3166.55
43032_3032	43032	3032	-2492.3	-161.259	7.414	2.696	-126.06	3166.551
43032_3033	43032	3033	2492.295	181.455	-7.414	-2.696	66.768	-4536.92
43033_3033	43033	3033	-2492.29	-230.242	7.032	-11.063	-66.768	4537.061
43033_3034	43033	3034	2492.286	249.804	-7.032	11.063	12.292	-6396.38
43034_3034	43034	3034	-2492.26	-249.804	13.741	6.155	-12.292	6396.383
43034_3035	43034	3035	2492.258	269.387	-13.741	-6.155	-94.264	-8409.4
43035_3035	43035	3035	-2492.27	-269.387	12.314	2.138	94.264	8426.741
43035_3036	43035	3036	2492.266	295.967	-12.314	-2.138	-211.28	-11112.9
43036_3036	43036	3036	80.627	559.689	-0.558	-11.6	-9.678	33661.35
43036_3037	43036	3037	-75.833	-518.757	0.558	11.6	16.672	-26881.4
43037_3037	43037	3037	61.455	520.671	-0.571	12.159	-19.057	26881.43
43037_3038	43037	3038	-58.023	-482.174	0.571	-12.159	26.21	-20589.7
43038_3038	43038	3038	41.929	440.449	0.186	-3.89	-24.873	20590.45
43038_3039	43038	3039	-39.562	-401.613	-0.186	3.89	22.409	-15005.6
43039_3039	43039	3039	27.698	402.555	0.166	15.563	-23.033	14988.72
43039_3040	43039	3040	-26.657	-370.79	-0.166	-15.563	21.079	-10441
43040_3040	43040	3040	18.561	316.747	1.41	-3.541	-20.642	10441.58
43040_3041	43040	3041	-18.31	-294.703	-1.41	3.541	9.005	-7918.55
43041_3041	43041	3041	15.167	294.942	1.394	4.229	-9.032	7913.091
43041_3042	43041	3042	-15.167	-256.621	-1.394	-4.229	-13.295	-3497.46
43042_3042	43042	3042	15.153	211.055	-0.321	1.155	13.295	3497.551
43042_3043	43042	3043	-15.153	-182.446	0.321	-1.155	-9.458	-1145.67
43043_3043	43043	3043	15.153	182.446	-0.334	2.11	9.458	1145.67
43043_3044	43043	3044	-15.153	-153.839	0.334	-2.11	-5.471	864.095
43044_3044	43044	3044	15.159	113.562	0.233	2.68	5.471	-864.114
43044_3045	43044	3045	-15.159	-84.957	-0.233	-2.68	-8.255	2050.453
43045_3045	43045	3045	15.159	84.957	0.207	-0.88	8.255	-2050.46
43045_3046	43045	3046	-15.159	-56.332	-0.207	0.88	-10.726	2895.377
43046_3046	43046	3046	15.157	15.753	-0.077	0.166	10.726	-2895.43
43046_3047	43046	3047	-15.157	12.845	0.077	-0.166	-9.809	2912.801
43047_3047	43047	3047	15.157	-12.845	-0.078	-0.03	9.809	-2912.8
43047_3048	43047	3048	-15.157	41.466	0.078	0.03	-8.88	2588.065
43048_3048	43048	3048	15.156	-82.394	-0.215	-0.736	8.88	-2588.12
43048_3049	43048	3049	-15.156	111.009	0.215	0.736	-6.311	1431.933
43049_3049	43049	3049	15.156	-111.009	-0.214	-0.643	6.311	-1431.93
43049_3050	43049	3050	-15.156	139.601	0.214	0.643	-3.757	-64.993
43050_3050	43050	3050	15.148	-181.843	-0.774	-1.523	3.757	64.995

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43050_3051	43050	3051	-15.148	220.127	0.774	1.523	8.621	-3279.91
43051_3051	43051	3051	17.848	-219.882	-0.782	0.195	-8.616	3281.799
43051_3052	43051	3052	-18.079	240.236	0.782	-0.195	15.068	-5180.63
43052_3052	43052	3052	25.135	-288.184	0.091	-2.782	-15.158	5180.63
43052_3053	43052	3053	-26.095	317.453	-0.091	2.782	14.083	-8740.85
43053_3053	43053	3053	35.275	-316.504	0.081	3.157	-13.803	8743.369
43053_3054	43053	3054	-37.57	354.044	-0.081	-3.157	12.729	-13191.2
43054_3054	43054	3054	51.815	-398.839	2.627	-14.386	-14.23	13191.12
43054_3055	43054	3055	-55.132	435.957	-2.627	14.386	-18.707	-18429
43055_3055	43055	3055	67.265	-434.221	2.602	14.283	21.781	18429.02
43055_3056	43055	3056	-71.883	473.591	-2.602	-14.283	-54.487	-24140.6
43056_3056	43056	3056	-2038.28	269.797	-9.147	-3.148	156.697	8131.618
43056_3057	43056	3057	2038.275	-244.041	9.147	3.148	-69.777	-5690.31
43057_3057	43057	3057	-2038.29	244.041	-6.52	4.357	69.777	5657.224
43057_3058	43057	3058	2038.285	-223.503	6.52	-4.357	-19.266	-3846.08
43058_3058	43058	3058	-2038.29	223.503	-6.52	4.357	19.266	3846.082
43058_3059	43058	3059	2038.285	-202.964	6.52	-4.357	31.246	-2194.06
43059_3059	43059	3059	-2038.3	157.128	-7.028	0.191	-31.246	2194.084
43059_3060	43059	3060	2038.304	-135.899	7.028	-0.191	87.522	-1020.87
43060_3060	43060	3060	-2038.31	135.899	-4.653	1.38	-87.522	1020.868
43060_3061	43060	3061	2038.31	-114.7	4.653	-1.38	124.734	-18.857
43061_3061	43061	3061	-2038.31	114.7	-4.653	1.38	-124.734	18.857
43061_3062	43061	3062	2038.31	-93.5	4.653	-1.38	161.946	813.62
43062_3062	43062	3062	-2038.3	49.052	0.735	1.319	-161.946	-813.68
43062_3063	43062	3063	2038.299	-33.141	-0.735	-1.319	157.535	1060.343
43063_3063	43063	3063	-2038.3	33.141	0.735	1.319	-157.535	-1060.34
43063_3064	43063	3064	2038.299	-17.229	-0.735	-1.319	153.124	1211.504
43064_3064	43064	3064	-2038.3	17.229	0.735	1.319	-153.124	-1211.5
43064_3065	43064	3065	2038.299	-1.318	-0.735	-1.319	148.713	1267.164
43065_3065	43065	3065	-2038.3	1.318	3.915	-0.657	-148.713	-1267.17
43065_3066	43065	3066	2038.295	14.566	-3.915	0.657	125.258	1227.478
43066_3066	43066	3066	-2038.29	-59.173	5.015	0.683	-125.258	-1227.58
43066_3067	43066	3067	2038.291	80.394	-5.015	-0.683	85.116	668.965
43067_3067	43067	3067	-2038.29	-80.394	5.015	0.683	-85.116	-668.965
43067_3068	43067	3068	2038.291	101.616	-5.015	-0.683	44.973	-59.53
43068_3068	43068	3068	-2038.27	-101.616	9.949	0.827	-44.973	59.528
43068_3069	43068	3069	2038.273	122.807	-9.949	-0.827	-34.554	-956.527
43069_3069	43069	3069	-2038.27	-167.328	9.403	-3.85	34.554	956.539
43069_3070	43069	3070	2038.272	187.883	-9.403	3.85	-107.464	-2333.63
43070_3070	43070	3070	-2038.26	-187.883	11.875	-1.021	107.464	2333.636
43070_3071	43070	3071	2038.259	208.41	-11.875	1.021	-199.411	-3867.9
43071_3071	43071	3071	-2038.24	-208.41	14.542	4.576	199.411	3897.34
43071_3072	43071	3072	2038.242	234.174	-14.542	-4.576	-337.634	-6000.8
43072_3072	43072	3072	77.89	511.523	-1.872	-3.568	60.932	21714.38
43072_3073	43072	3073	-73.272	-472.155	1.872	3.568	-37.411	-15526.7
43073_3073	43073	3073	60.172	474.023	-1.886	7.766	36.127	15526.7
43073_3074	43073	3074	-56.855	-436.914	1.886	-7.766	-12.486	-9812.83
43074_3074	43074	3074	42.026	396.945	-0.082	3.73	12.967	9813.19
43074_3075	43074	3075	-39.732	-359.393	0.082	-3.73	-11.874	-4794.93
43075_3075	43075	3075	28.825	360.452	-0.112	10.498	11.794	4795.981
43075_3076	43075	3076	-27.897	-332.129	0.112	-10.498	-10.476	-723.466
43076_3076	43076	3076	20.576	283.055	1.122	2.156	10.67	723.688
43076_3077	43076	3077	-20.352	-263.401	-1.122	-2.156	-19.92	1528.128

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43077_3077	43077	3077	17.489	263.649	1.087	-0.738	19.962	-1532.45
43077_3078	43077	3078	-17.489	-226.863	-1.087	0.738	-35.781	5100.515
43078_3078	43078	3078	17.478	187.66	-0.285	1.708	35.781	-5100.63
43078_3079	43078	3079	-17.478	-159.257	0.285	-1.708	-32.581	7049.091
43079_3079	43079	3079	17.478	159.257	-0.285	1.708	32.581	-7049.09
43079_3080	43079	3080	-17.478	-130.853	0.285	-1.708	-29.382	8678.49
43080_3080	43080	3080	17.477	94.966	-0.263	5.092	29.382	-8678.66
43080_3081	43080	3081	-17.477	-66.539	0.263	-5.092	-26.427	9586.482
43081_3081	43081	3081	17.476	66.539	-0.278	-3.039	26.427	-9586.48
43081_3082	43081	3082	-17.476	-38.139	0.278	3.039	-23.309	10174.34
43082_3082	43082	3082	17.477	-0.46	-0.17	4.514	23.309	-10174.5
43082_3083	43082	3083	-17.477	30.984	0.17	-4.514	-21.252	9984.734
43083_3083	43083	3083	17.477	-30.984	-0.186	-4.105	21.252	-9984.73
43083_3084	43083	3084	-17.477	61.533	0.186	4.105	-19.01	9425.874
43084_3084	43084	3084	17.478	-100.175	-0.133	3.149	19.01	-9426.03
43084_3085	43084	3085	-17.478	128.571	0.133	-3.149	-17.519	8141.637
43085_3085	43085	3085	17.477	-128.571	-0.149	-4.391	17.519	-8141.64
43085_3086	43085	3086	-17.477	156.991	0.149	4.391	-15.845	6536.859
43086_3086	43086	3086	17.475	-194.134	-0.365	0.508	15.845	-6537.01
43086_3087	43086	3087	-17.475	222.552	0.365	-0.508	-11.74	4195.517
43087_3087	43087	3087	17.475	-222.552	-0.38	-3.079	11.74	-4195.52
43087_3088	43087	3088	-17.475	250.944	0.38	3.079	-7.472	1537.251
43088_3088	43088	3088	17.472	-288.549	-0.738	-2.7	7.472	-1537.27
43088_3089	43088	3089	-17.472	323.923	0.738	2.7	2.854	-2746.87
43089_3089	43089	3089	21.24	-323.672	-0.753	-0.248	-2.853	2753.109
43089_3090	43089	3090	-21.476	344.481	0.753	0.248	9.066	-5511.19
43090_3090	43090	3090	30.427	-388.004	-1.035	-6.646	-9.27	5511.211
43090_3091	43090	3091	-31.408	417.902	1.035	6.646	21.434	-10246.9
43091_3091	43091	3091	43.245	-416.797	-1.051	2.854	-21.058	10246.01
43091_3092	43091	3092	-45.495	453.723	1.051	-2.854	35.006	-16021.5
43092_3092	43092	3092	62.389	-498.534	2.472	-10.063	-36.119	16021.4
43092_3093	43092	3093	-65.646	535.078	-2.472	10.063	5.105	-22508.8
43093_3093	43093	3093	80.486	-533.029	2.459	7.357	-3.346	22508.77
43093_3094	43093	3094	-85.027	571.8	-2.459	-7.357	-27.549	-29456.9
43094_3094	43094	3094	-2350.16	239.383	-7.11	-8.059	63.55	8771.402
43094_3095	43094	3095	2350.157	-214.067	7.11	8.059	4.031	-6616.51
43095_3095	43095	3095	-2350.17	214.067	-2.173	5.969	-4.031	6618.75
43095_3096	43095	3096	2350.167	-194.035	2.173	-5.969	20.86	-5038.76
43096_3096	43096	3096	-2350.17	194.035	-2.087	6.153	-20.86	5038.757
43096_3097	43096	3097	2350.167	-173.977	2.087	-6.153	37.043	-3612.14
43097_3097	43097	3097	-2350.18	130.056	-2.362	-2.241	-37.043	3612.191
43097_3098	43097	3098	2350.18	-109.351	2.362	2.241	55.944	-2654.2
43098_3098	43098	3098	-2350.18	109.351	0.497	0.987	-55.944	2654.203
43098_3099	43098	3099	2350.181	-88.673	-0.497	-0.987	51.973	-1862.83
43099_3099	43099	3099	-2350.18	88.673	0.574	1.049	-51.973	1862.825
43099_3100	43099	3100	2350.181	-67.969	-0.574	-1.049	47.379	-1236.04
43100_3100	43100	3100	-2350.14	24.898	8.879	4.124	-47.379	1236.016
43100_3101	43100	3101	2350.136	-9.37	-8.879	-4.124	-5.909	-1133.18
43101_3101	43101	3101	-2350.14	9.37	8.879	4.124	5.909	1133.18
43101_3102	43101	3102	2350.136	6.157	-8.879	-4.124	-59.198	-1123.54
43102_3102	43102	3102	-2350.13	-6.157	-10.82	-5.293	59.198	1123.534
43102_3103	43102	3103	2350.127	21.663	10.82	5.293	5.648	-1206.9
43103_3103	43103	3103	-2350.14	-21.663	-6.776	-3.217	-5.648	1206.91

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43103_3104	43103	3104	2350.143	37.193	6.776	3.217	46.327	-1383.57
43104_3104	43104	3104	-2350.14	-80.335	-1.673	-1.804	-46.327	1383.57
43104_3105	43104	3105	2350.139	101.042	1.673	1.804	59.717	-2109.43
43105_3105	43105	3105	-2350.14	-101.042	1.174	0.751	-59.717	2109.432
43105_3106	43105	3106	2350.139	121.722	-1.174	-0.751	50.333	-2999.78
43106_3106	43106	3106	-2350.14	-121.722	1.262	0.863	-50.333	2999.776
43106_3107	43106	3107	2350.139	142.428	-1.262	-0.863	40.232	-4056.86
43107_3107	43107	3107	-2350.14	-185.809	4.186	-3.427	-40.232	4056.912
43107_3108	43107	3108	2350.137	205.867	-4.186	3.427	7.776	-5575.27
43108_3108	43108	3108	-2350.14	-205.867	4.1	-3.631	-7.776	5575.267
43108_3109	43108	3109	2350.137	225.899	-4.1	3.631	-23.972	-7246.88
43109_3109	43109	3109	-2350.13	-225.899	6.578	4.214	23.972	7243.897
43109_3110	43109	3110	2350.132	251.213	-6.578	-4.214	-86.49	-9511.03
43110_3110	43110	3110	94.275	554.519	-2.324	-18.038	42.301	30446.84
43110_3111	43110	3111	-89.734	-515.754	2.324	18.038	-13.107	-23717.6
43111_3111	43111	3111	75.408	518.061	-2.371	19.864	9.132	23717.57
43111_3112	43111	3112	-72.151	-481.524	2.371	-19.864	20.604	-17445.5
43112_3112	43112	3112	56.165	442.324	0.834	-1.865	-18.675	17445.87
43112_3113	43112	3113	-53.915	-405.38	-0.834	1.865	7.602	-11819.5
43113_3113	43113	3113	41.876	406.806	0.798	12.423	-8.044	11821.85
43113_3114	43113	3114	-40.905	-377.217	-0.798	-12.423	-1.33	-7216.67
43114_3114	43114	3114	32.65	329.133	0.607	2.212	1.624	7216.849
43114_3115	43114	3115	-32.416	-308.543	-0.607	-2.212	-6.636	-4585.78
43115_3115	43115	3115	29.084	308.918	0.61	1.691	6.653	4575.07
43115_3116	43115	3116	-29.084	-274.771	-0.61	-1.691	-15.496	-342.421
43116_3116	43116	3116	29.084	235.602	-0.343	3.879	15.496	342.405
43116_3117	43116	3117	-29.084	-209.133	0.343	-3.879	-11.637	2157.443
43117_3117	43117	3117	29.084	209.133	-0.395	0.074	11.637	-2157.45
43117_3118	43117	3118	-29.084	-182.69	0.395	-0.074	-7.204	4357.848
43118_3118	43118	3118	29.085	147.68	0.12	6.686	7.204	-4357.86
43118_3119	43118	3119	-29.085	-121.236	-0.12	-6.686	-8.553	5868.047
43119_3119	43119	3119	29.085	121.236	0.068	-3.762	8.553	-5868.05
43119_3120	43119	3120	-29.085	-94.793	-0.068	3.762	-9.32	7081.195
43120_3120	43120	3120	29.084	57.227	-0.23	3.836	9.32	-7081.18
43120_3121	43120	3121	-29.084	-28.806	0.23	-3.836	-6.541	7600.448
43121_3121	43121	3121	29.084	28.806	-0.254	-2.46	6.541	-7600.45
43121_3122	43121	3122	-29.084	-0.386	0.254	2.46	-3.471	7776.641
43122_3122	43122	3122	29.084	-37.68	-0.033	2.999	3.471	-7776.64
43122_3123	43122	3123	-29.084	64.122	0.033	-2.999	-3.099	7204.983
43123_3123	43123	3123	29.084	-64.122	-0.059	-3.484	3.099	-7204.98
43123_3124	43123	3124	-29.084	90.587	0.059	3.484	-2.433	6335.469
43124_3124	43124	3124	29.084	-127.941	-0.322	3.145	2.433	-6335.47
43124_3125	43124	3125	-29.084	154.383	0.322	-3.145	1.187	4750.145
43125_3125	43125	3125	29.083	-154.383	-0.374	-5.314	-1.187	-4750.14
43125_3126	43125	3126	-29.083	180.824	0.374	5.314	5.389	2867.901
43126_3126	43126	3126	29.079	-219.241	-0.604	-1.911	-5.389	-2867.93
43126_3127	43126	3127	-29.079	251.756	0.604	1.911	13.728	-384.392
43127_3127	43127	3127	32.083	-251.38	-0.638	-1.153	-13.738	393.009
43127_3128	43127	3128	-32.297	270.284	0.638	1.153	19.003	-2545.01
43128_3128	43128	3128	39.883	-317.561	-2.843	-7.415	-19.221	2544.88
43128_3129	43128	3129	-40.776	344.771	2.843	7.415	52.641	-6437.89
43129_3129	43129	3129	50.595	-343.415	-2.904	7.897	-51.975	6434.278
43129_3130	43129	3130	-52.774	379.185	2.904	-7.897	90.498	-11229.1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43130_3130	43130	3130	67.622	-423.755	7.978	-6.269	-91.695	11228.99
43130_3131	43130	3131	-70.781	459.184	-7.978	6.269	-8.305	-16767.9
43131_3131	43131	3131	87.252	-456.316	7.958	4.934	9.532	16767.88
43131_3132	43131	3132	-91.665	491.529	-7.958	-4.934	-103.015	-22345.3
43132_3132	43132	3132	-2050.09	218.425	15.116	13.815	-128.414	6321.898
43132_3133	43132	3133	2050.094	-191.894	-15.116	-13.815	-27.276	-4208.76
43133_3133	43133	3133	-2050.11	191.894	12.47	10.803	27.276	4235.267
43133_3134	43133	3134	2050.111	-173.643	-12.47	-10.803	-123.921	-2818.81
43134_3134	43134	3134	-2050.12	173.643	-11.234	-21.79	123.921	2818.746
43134_3135	43134	3135	2050.118	-155.32	11.234	21.79	-36.511	-1538.97
43135_3135	43135	3135	-2050.38	114.87	0.334	0.006	36.511	1539.392
43135_3136	43135	3136	2050.382	-96.029	-0.334	-0.006	-39.186	-695.685
43136_3136	43136	3136	-2050.38	96.029	0.334	0.006	39.186	695.685
43136_3137	43136	3137	2050.382	-77.187	-0.334	-0.006	-41.861	-2.732
43137_3137	43137	3137	-2050.38	77.187	2.858	0.009	41.861	2.732
43137_3138	43137	3138	2050.38	-58.369	-2.858	-0.009	-64.701	538.873
43138_3138	43138	3138	-2050.34	17.507	-3.086	0.294	64.701	-538.958
43138_3139	43138	3139	2050.338	-3.376	3.086	-0.294	-46.183	601.617
43139_3139	43139	3139	-2050.34	3.376	-3.086	0.294	46.183	-601.617
43139_3140	43139	3140	2050.338	10.755	3.086	-0.294	-27.664	579.476
43140_3140	43140	3140	-2050.34	-10.755	0.33	-0.671	27.664	-579.475
43140_3141	43140	3141	2050.34	24.887	-0.33	0.671	-29.646	472.537
43141_3141	43141	3141	-2050.34	-24.887	-3.086	0.116	29.646	-472.538
43141_3142	43141	3142	2050.338	39.018	3.086	-0.116	-11.128	280.797
43142_3142	43142	3142	-2050.34	-81.084	-2.353	-0.037	11.128	-280.875
43142_3143	43142	3143	2050.339	99.926	2.353	0.037	7.696	-443.257
43143_3143	43143	3143	-2050.34	-99.926	0.21	0.517	-7.696	443.257
43143_3144	43143	3144	2050.34	118.767	-0.21	-0.517	6.018	-1318.13
43144_3144	43144	3144	-2050.34	-118.767	-2.353	-1.13	-6.018	1318.125
43144_3145	43144	3145	2050.339	137.609	2.353	1.13	24.841	-2343.76
43145_3145	43145	3145	-2050.37	-181.645	1.156	0.772	-24.841	2343.765
43145_3146	43145	3146	2050.368	199.898	-1.156	-0.772	15.884	-3822.42
43146_3146	43146	3146	-2050.37	-199.898	-1.489	-4.159	-15.884	3822.422
43146_3147	43146	3147	2050.368	218.151	1.489	4.159	27.429	-5442.59
43147_3147	43147	3147	-2050.37	-218.151	0.529	1.921	-27.429	5419.438
43147_3148	43147	3148	2050.368	242.625	-0.529	-1.921	22.402	-7608.4
43148_3148	43148	3148	105.83	477.731	-1.363	0.676	1.639	24354.93
43148_3149	43148	3149	-101.418	-440.07	1.363	-0.676	15.479	-18585.7
43149_3149	43149	3149	89.165	442.722	-1.364	1.326	-15.479	18585.68
43149_3150	43149	3150	-86.006	-407.289	1.364	-1.326	32.58	-13253.2
43150_3150	43150	3150	71.913	366.671	-0.107	1.073	-32.48	13253.13
43150_3151	43150	3151	-69.734	-330.896	0.107	-1.073	33.902	-8624.1
43151_3151	43151	3151	59.583	332.783	-0.091	0.778	-33.826	8626.98
43151_3152	43151	3152	-58.666	-304.827	0.091	-0.778	34.893	-4879.18
43152_3152	43152	3152	51.934	253.694	1.568	1.792	-34.878	4879.152
43152_3153	43152	3153	-51.713	-234.267	-1.568	-1.792	21.942	-2866.01
43153_3153	43153	3153	49.232	234.851	1.58	1.096	-21.929	2865.554
43153_3154	43153	3154	-49.232	-203.497	-1.58	-1.096	0.215	146.278
43154_3154	43154	3154	49.256	161.404	0.01	2.081	-0.215	-146.264
43154_3155	43154	3155	-49.256	-136.302	-0.01	-2.081	0.1	1783.861
43155_3155	43155	3155	49.256	136.302	-0.034	0.459	-0.1	-1783.86
43155_3156	43155	3156	-49.256	-111.2	0.034	-0.459	0.477	3145.285
43156_3156	43156	3156	49.249	75.307	0.423	0.652	-0.477	-3145.31

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43156_3157	43156	3157	-49.249	-52.465	-0.423	-0.652	-3.759	3784.887
43157_3157	43157	3157	49.249	52.465	0.423	0.652	3.759	-3784.89
43157_3158	43157	3158	-49.249	-29.622	-0.423	-0.652	-7.995	4195.784
43158_3158	43158	3158	49.257	-3.863	-0.146	-0.107	7.995	-4195.8
43158_3159	43158	3159	-49.257	26.706	0.146	0.107	-6.531	4042.778
43159_3159	43159	3159	49.257	-26.706	-0.147	-0.171	6.531	-4042.78
43159_3160	43159	3160	-49.257	49.571	0.147	0.171	-5.057	3660.58
43160_3160	43160	3160	49.262	-86.953	-0.343	0.244	5.057	-3660.58
43160_3161	43160	3161	-49.262	112.032	0.343	-0.244	-1.29	2567.01
43161_3161	43161	3161	49.261	-112.032	-0.388	-2.127	1.29	-2567.01
43161_3162	43161	3162	-49.261	137.133	0.388	2.127	2.982	1196.439
43162_3162	43162	3162	49.259	-177.371	-0.191	-0.921	-2.982	-1196.43
43162_3163	43162	3163	-49.259	208.748	0.191	0.921	5.612	-1458.47
43163_3163	43163	3163	51.784	-208.161	-0.143	-2.351	-5.632	1458.699
43163_3164	43163	3164	-52.005	227.565	0.143	2.351	6.806	-3254.22
43164_3164	43164	3164	58.741	-276.371	-1.293	0.392	-6.763	3254.071
43164_3165	43164	3165	-59.657	304.328	1.293	-0.392	21.963	-6667.59
43165_3165	43165	3165	68.376	-302.455	-1.267	-3.514	-22.202	6659.811
43165_3166	43165	3166	-70.584	338.697	1.267	3.514	39.014	-10914.6
43166_3166	43166	3166	84.839	-389.335	2.087	-1.713	-39.003	10914.66
43166_3167	43166	3167	-88.038	425.209	-2.087	1.713	12.835	-16025.1
43167_3167	43167	3167	99.816	-422.595	2.087	-1.385	-12.876	16025.08
43167_3168	43167	3168	-104.28	460.726	-2.087	1.385	-13.353	-21582.6
43168_3168	43168	3168	-1964.47	245.622	-6.453	-3.937	106.292	6762.876
43168_3169	43168	3169	1964.471	-220.813	6.453	3.937	-44.983	-4547
43169_3169	43169	3169	-1964.48	220.813	-3.785	3.263	44.983	4572.691
43169_3170	43169	3170	1964.478	-202.057	3.785	-3.263	-15.645	-2933.87
43170_3170	43170	3170	-1964.48	202.057	-3.785	3.263	15.645	2933.874
43170_3171	43170	3171	1964.478	-183.3	3.785	-3.263	13.693	-1440.44
43171_3171	43171	3171	-1964.57	136.075	0.016	0.226	-13.693	1440.507
43171_3172	43171	3172	1964.568	-116.737	-0.016	-0.226	13.562	-430.389
43172_3172	43172	3172	-1964.57	116.737	0.056	0.235	-13.562	430.389
43172_3173	43172	3173	1964.568	-97.376	-0.056	-0.235	13.112	426.177
43173_3173	43173	3173	-1964.57	97.376	0.056	0.235	-13.112	-426.177
43173_3174	43173	3174	1964.568	-78.014	-0.056	-0.235	12.661	1127.829
43174_3174	43174	3174	-1964.56	33.584	1.997	-0.97	-12.661	-1127.91
43174_3175	43174	3175	1964.56	-19.063	-1.997	0.97	0.679	1285.872
43175_3175	43175	3175	-1964.56	19.063	-1.277	1.172	-0.679	-1285.87
43175_3176	43175	3176	1964.561	-4.542	1.277	-1.172	8.34	1356.697
43176_3176	43176	3176	-1964.56	4.542	1.997	-1.088	-8.34	-1356.7
43176_3177	43176	3177	1964.56	9.979	-1.997	1.088	-3.642	1340.384
43177_3177	43177	3177	-1964.56	-9.979	-1.277	1.145	3.642	-1340.38
43177_3178	43177	3178	1964.561	24.5	1.277	-1.145	4.019	1236.931
43178_3178	43178	3178	-1964.56	-69.399	-0.827	-0.231	-4.019	-1236.94
43178_3179	43178	3179	1964.556	88.76	0.827	0.231	10.638	604.223
43179_3179	43179	3179	-1964.56	-88.76	-0.827	-0.231	-10.638	-604.223
43179_3180	43179	3180	1964.556	108.122	0.827	0.231	17.258	-183.411
43180_3180	43180	3180	-1964.56	-108.122	1.628	-0.001	-17.258	183.411
43180_3181	43180	3181	1964.555	127.483	-1.628	0.001	4.235	-1125.94
43181_3181	43181	3181	-1964.64	-174.303	2.915	-3.058	-4.235	1126.019
43181_3182	43181	3182	1964.643	193.036	-2.915	3.058	-18.327	-2547.82
43182_3182	43182	3182	-1964.64	-193.036	5.492	0.284	18.327	2547.822
43182_3183	43182	3183	1964.637	211.792	-5.492	-0.284	-60.892	-4116.72

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43183_3183	43183	3183	-1964.64	-211.792	4.891	-0.017	60.892	4096.112
43183_3184	43183	3184	1964.639	236.6	-4.891	0.017	-107.365	-6226.24
43184_3184	43184	3184	101.574	471.866	-2.32	1.256	22.022	20969.82
43184_3185	43184	3185	-97.11	-433.736	2.32	-1.256	7.128	-15272.7
43185_3185	43185	3185	85.069	436.269	-2.32	1.446	-7.093	15272.72
43185_3186	43185	3186	-81.87	-400.396	2.32	-1.446	36.176	-10023.9
43186_3186	43186	3186	67.687	355.569	0.541	0.937	-36.053	10023.87
43186_3187	43186	3187	-65.479	-319.327	-0.541	-0.937	28.879	-5545.31
43187_3187	43187	3187	55.581	321.181	0.556	-0.348	-28.802	5563.238
43187_3188	43187	3188	-54.623	-291.958	-0.556	0.348	22.273	-1959.3
43188_3188	43188	3188	48.172	237.206	0.855	1.044	-22.278	1959.306
43188_3189	43188	3189	-47.941	-216.89	-0.855	-1.044	15.226	-85.877
43189_3189	43189	3189	45.662	217.421	0.866	1.001	-15.221	92.647
43189_3190	43189	3190	-45.662	-183.186	-0.866	-1.001	3.316	2659.88
43190_3190	43190	3190	45.671	139.84	0.282	0.735	-3.316	-2659.9
43190_3191	43190	3191	-45.671	-112.432	-0.282	-0.735	0.217	4047.579
43191_3191	43191	3191	45.671	112.432	0.282	0.735	-0.217	-4047.58
43191_3192	43191	3192	-45.671	-85.023	-0.282	-0.735	-2.882	5133.729
43192_3192	43192	3192	45.671	45.673	0.282	-0.052	2.882	-5133.7
43192_3193	43192	3193	-45.671	-20.582	-0.282	0.052	-5.72	5467.342
43193_3193	43193	3193	45.671	20.582	0.282	-0.052	5.72	-5467.34
43193_3194	43193	3194	-45.671	4.509	-0.282	0.052	-8.558	5548.283
43194_3194	43194	3194	45.702	-40.659	-1.398	-0.966	8.558	-5548.3
43194_3195	43194	3195	-45.702	65.75	1.398	0.966	5.519	5012.459
43195_3195	43195	3195	45.702	-65.75	-1.398	-0.966	-5.519	-5012.46
43195_3196	43195	3196	-45.702	90.841	1.398	0.966	19.596	4223.92
43196_3196	43196	3196	45.665	-129.858	0.144	-3.058	-19.596	-4223.91
43196_3197	43196	3197	-45.665	157.241	-0.144	3.058	18.015	2646.115
43197_3197	43197	3197	45.665	-157.241	0.185	-0.69	-18.015	-2646.12
43197_3198	43197	3198	-45.665	184.65	-0.185	0.69	15.982	765.466
43198_3198	43198	3198	45.685	-226.401	-0.734	-2.28	-15.982	-765.499
43198_3199	43198	3199	-45.685	260.661	0.734	2.28	26.075	-2583.48
43199_3199	43199	3199	48.876	-260.112	-0.745	-1.624	-26.087	2570.325
43199_3200	43199	3200	-49.121	281.269	0.745	1.624	32.234	-4803.91
43200_3200	43200	3200	57.199	-330.801	-0.442	-2.719	-32.299	4803.911
43200_3201	43200	3201	-58.216	361.196	0.442	2.719	37.488	-8868.43
43201_3201	43201	3201	68.636	-359.345	-0.457	0.136	-37.415	8862.359
43201_3202	43201	3202	-71.138	399.853	0.457	-0.136	43.478	-13901.1
43202_3202	43202	3202	87.168	-449.239	2.579	-1.446	-43.651	13901.07
43202_3203	43202	3203	-90.766	489.138	-2.579	1.446	11.32	-19789.3
43203_3203	43203	3203	104.369	-486.42	2.579	-1.219	-11.354	19789.3
43203_3204	43203	3204	-109.351	528.576	-2.579	1.219	-21.052	-26176.6
43204_3204	43204	3204	-2210.12	271.924	-1.226	3.277	35.382	8719.359
43204_3205	43204	3205	2210.123	-244.057	1.226	-3.277	-23.73	-6268.14
43205_3205	43205	3205	-2210.12	244.057	-3.402	-2.067	23.73	6020.592
43205_3206	43205	3206	2210.121	-222.805	3.402	2.067	2.64	-4211.25
43206_3206	43206	3206	-2210.12	222.805	-0.551	3.366	-2.64	4211.247
43206_3207	43206	3207	2210.123	-201.553	0.551	-3.366	6.911	-2566.66
43207_3207	43207	3207	-2210.08	150.613	-4.086	0.806	-6.911	2566.728
43207_3208	43207	3208	2210.079	-128.675	4.086	-0.806	39.606	-1449.43
43208_3208	43208	3208	-2210.08	128.675	-4.131	0.777	-39.606	1449.428
43208_3209	43208	3209	2210.079	-106.765	4.131	-0.777	72.619	-508.72
43209_3209	43209	3209	-2210.08	106.765	-1.324	1.423	-72.619	508.719

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43209_3210	43209	3210	2210.082	-84.828	1.324	-1.423	83.216	257.738
43210_3210	43210	3210	-2210.13	34.546	-2.345	1.131	-83.216	-257.864
43210_3211	43210	3211	2210.132	-18.093	2.345	-1.131	97.288	415.804
43211_3211	43211	3211	-2210.13	18.093	-2.345	1.131	-97.288	-415.804
43211_3212	43211	3212	2210.132	-1.64	2.345	-1.131	111.359	475.009
43212_3212	43212	3212	-2210.13	1.64	1.338	0.339	-111.359	-475.011
43212_3213	43212	3213	2210.132	14.813	-1.338	-0.339	103.332	435.485
43213_3213	43213	3213	-2210.13	-14.813	-2.345	1.065	-103.332	-435.483
43213_3214	43213	3214	2210.132	31.267	2.345	-1.065	117.404	297.224
43214_3214	43214	3214	-2210.24	-81.742	6.623	1.065	-117.404	-297.226
43214_3215	43214	3215	2210.243	103.679	-6.623	-1.065	64.414	-444.543
43215_3215	43215	3215	-2210.25	-103.679	3.861	0.509	-64.414	444.544
43215_3216	43215	3216	2210.249	125.617	-3.861	-0.509	33.524	-1361.85
43216_3216	43216	3216	-2210.25	-125.617	3.861	0.509	-33.524	1361.851
43216_3217	43216	3217	2210.249	147.555	-3.861	-0.509	2.633	-2454.68
43217_3217	43217	3217	-2210.27	-197.637	6.796	-5.259	-2.633	2454.595
43217_3218	43217	3218	2210.272	218.889	-6.796	5.259	-50.039	-4068.83
43218_3218	43218	3218	-2210.28	-218.889	3.944	-10.508	50.039	4068.816
43218_3219	43218	3219	2210.279	240.141	-3.944	10.508	-80.611	-5847.81
43219_3219	43219	3219	-2210.24	-240.141	13.069	15.716	80.611	6102.788
43219_3220	43219	3220	2210.244	267.978	-13.069	-15.716	-204.648	-8514.01
43220_3220	43220	3220	103.099	543.752	-3.298	-28.541	59.398	25957.93
43220_3221	43220	3221	-98.117	-501.601	3.298	28.541	-17.942	-19381.1
43221_3221	43221	3221	84.151	504.143	-3.42	32.716	11.345	19381.14
43221_3222	43221	3222	-80.552	-464.249	3.42	-32.716	31.545	-13305.8
43222_3222	43222	3222	64.434	419.593	5.089	-1.808	-28.378	13305.31
43222_3223	43222	3223	-61.932	-379.09	-5.089	1.808	-39.156	-8005.41
43223_3223	43223	3223	50.107	380.896	4.89	30.273	38.293	8036.185
43223_3224	43223	3224	-49.038	-348.892	-4.89	-30.273	-95.765	-3746.93
43224_3224	43224	3224	41.29	289.374	-2.93	-3.879	96.38	3746.969
43224_3225	43224	3225	-41.032	-267.104	2.93	3.879	-72.204	-1451.36
43225_3225	43225	3225	38.164	267.533	-3.108	2.281	72.233	1455.628
43225_3226	43225	3226	-38.164	-222.984	3.108	-2.281	-22.719	2451.617
43226_3226	43226	3226	38.107	174.366	1.264	10.65	22.719	-2451.47
43226_3227	43226	3227	-38.107	-140.526	-1.264	-10.65	-38.017	4356.806
43227_3227	43227	3227	38.112	140.526	1.106	-7.419	38.017	-4356.81
43227_3228	43227	3228	-38.112	-106.712	-1.106	7.419	-51.393	5851.66
43228_3228	43228	3228	38.173	60.144	-1.595	13.876	51.393	-5850.68
43228_3229	43228	3229	-38.173	-24.211	1.595	-13.876	-32.104	6360.739
43229_3229	43229	3229	38.166	24.211	-1.753	-12.413	32.104	-6360.74
43229_3230	43229	3230	-38.166	11.727	1.753	12.413	-10.905	6436.235
43230_3230	43230	3230	38.073	-57.425	0.718	10.234	10.905	-6434.78
43230_3231	43230	3231	-38.073	93.87	-0.718	-10.234	-19.712	5506.917
43231_3231	43231	3231	38.076	-93.87	0.562	-12.355	19.712	-5506.91
43231_3232	43231	3232	-38.076	130.291	-0.562	12.355	-26.598	4133.12
43232_3232	43232	3232	37.837	-181.902	8.029	0.946	26.598	-4132.07
43232_3233	43232	3233	-37.837	205.185	-8.029	-0.946	-89.511	2615.514
43233_3233	43233	3233	37.841	-205.185	8.006	-0.652	89.511	-2615.51
43233_3234	43233	3234	-37.841	227.339	-8.006	0.652	-149.2	1003.142
43234_3234	43234	3234	40.723	-226.905	7.899	-4.892	149.149	-1003.14
43234_3235	43234	3235	-41.033	253.791	-7.899	4.892	-219.195	-1128.32
43235_3235	43235	3235	47.299	-305.371	-4.109	-7.473	219.121	1128.204
43235_3236	43235	3236	-47.79	323.235	4.109	7.473	-195.013	-2972.6

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43236_3236	43236	3236	51.887	-322.575	-4.158	-1.917	195.181	2958.275
43236_3237	43236	3237	-52.545	339.294	4.158	1.917	-173.289	-4702.31
43237_3237	43237	3237	58.353	-338.348	-4.269	5.472	173.864	4701.711
43237_3238	43237	3238	-60.447	375.391	4.269	-5.472	-131.578	-8240.87
43238_3238	43238	3238	72.637	-419.546	-8.873	-15.485	130.245	8238.475
43238_3239	43238	3239	-75.734	458.977	8.873	15.485	-38.894	-12765.2
43239_3239	43239	3239	86.393	-457.104	-8.963	12.937	41.61	12765.17
43239_3240	43239	3240	-90.738	499.833	8.963	-12.937	55.151	-17938
43240_3240	43240	3240	104.657	-521.941	-24.73	-42.603	-61.476	17929.29
43240_3241	43240	3241	-108.318	552.056	24.73	42.603	244.173	-21891
43241_3241	43241	3241	-2181.01	352.112	-6.186	7.62	306.693	7571.344
43241_3242	43241	3242	2181.005	-317.6	6.186	-7.62	-247.951	-4391.38
43242_3242	43242	3242	-2181.01	317.6	1.618	22.718	247.951	4400.185
43242_3243	43242	3243	2181.013	-290.098	-1.618	-22.718	-260.372	-2068.14
43243_3243	43243	3243	-2178.12	228.362	-37.549	0.953	260.372	2066.377
43243_3244	43243	3244	2178.119	-194.249	37.549	-0.953	97.104	-54.702
43244_3244	43244	3244	-2178.2	194.249	-32.784	1.073	-97.104	54.7
43244_3245	43244	3245	2178.196	-158.048	32.784	-1.073	428.321	1724.915
43245_3245	43245	3245	-2179.09	110.53	-12.459	6.612	-428.321	-1724.17
43245_3246	43245	3246	2179.093	-74.897	12.459	-6.612	552.226	2646.172
43246_3246	43246	3246	-2179.13	74.897	-3.687	-4.04	-552.226	-2646.18
43246_3247	43246	3247	2179.125	-40.222	3.687	4.04	587.905	3203.17
43247_3247	43247	3247	-2179.14	-10.05	0.425	6.74	-587.905	-3202.31
43247_3248	43247	3248	2179.139	42.968	-0.425	-6.74	584.004	2958.777
43248_3248	43248	3248	-2179.13	-42.968	7.764	-3.225	-584.004	-2958.78
43248_3249	43248	3249	2179.125	80.352	-7.764	3.225	503.005	2315.475
43249_3249	43249	3249	-2177.65	-122.599	-18.437	1.597	-503.005	-2314.97
43249_3250	43249	3250	2177.648	159.236	18.437	-1.597	691.517	874.15
43250_3250	43250	3250	-2177.69	-159.236	-12.068	-0.959	-691.517	-874.151
43250_3251	43250	3251	2177.693	192.933	12.068	0.959	805.01	-781.763
43251_3251	43251	3251	-2181.14	-234.266	78.461	-7.988	-805.01	781.355
43251_3252	43251	3252	2181.144	264.375	-78.461	7.988	145.727	-2876.31
43252_3252	43252	3252	-2180.87	-264.375	85.741	1.613	-145.727	2876.316
43252_3253	43252	3253	2180.87	294.564	-85.741	-1.613	-576.664	-5230.92
43253_3253	43253	3253	-2180.76	-294.564	88.504	8.242	576.664	5229.777
43253_3254	43253	3254	2180.76	322.413	-88.504	-8.242	-1254.87	-7593.71
43254_3254	43254	3254	-2176.39	-355.028	-34.001	-125.204	1254.869	7588.746
43254_3255	43254	3255	2176.39	366.893	34.001	125.204	-1143.87	-8767.19
43255_3255	43255	3255	116.392	508.421	-51.712	3.437	821.944	22907.99
43255_3256	43255	3256	-110.849	-466.813	51.712	-3.437	-289.778	-17892
43256_3256	43256	3256	92.922	470.687	-51.863	49.054	283.998	17892.04
43256_3257	43256	3257	-89.872	-438.622	51.863	-49.054	141.212	-14165.1
43257_3257	43257	3257	76.617	400.839	3.987	-22.115	-134.4	14161.83
43257_3258	43257	3258	-73.779	-363.149	-3.987	22.115	94.855	-10384.3
43258_3258	43258	3258	66.459	364.553	3.888	2.011	-96.664	10384.33
43258_3259	43258	3259	-64.68	-332.403	-3.888	-2.011	63.093	-7380.46
43259_3259	43259	3259	59.995	333.282	3.745	30.091	-64.28	7380.694
43259_3260	43259	3260	-59.582	-323.24	-3.745	-30.091	52.426	-6342.98
43260_3260	43260	3260	51.813	263.845	7.24	-11.313	-51.076	6288.852
43260_3261	43260	3261	-51.071	-239.382	-7.24	11.313	-3.189	-4402.37
43261_3261	43261	3261	46.45	240.425	7.148	-2.162	3.104	4402.385
43261_3262	43261	3262	-46.08	-210.077	-7.148	2.162	-69.917	-2296.87
43262_3262	43262	3262	43.346	210.727	7	5.416	69.916	2281.749

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43262_3263	43262	3263	-43.346	-186.245	-7	-5.416	-123.535	-761.429
43263_3263	43263	3263	43.489	128.772	-5.344	0.501	123.535	761.388
43263_3264	43263	3264	-43.489	-92.761	5.344	-0.501	-63.326	486.552
43264_3264	43264	3264	43.475	92.761	-5.455	-0.742	63.326	-486.552
43264_3265	43264	3265	-43.475	-55.098	5.455	0.742	0.955	1357.697
43265_3265	43265	3265	43.434	5.557	-1.132	1.37	-0.955	-1357.63
43265_3266	43265	3266	-43.434	31.578	1.132	-1.37	14.112	1206.475
43266_3266	43266	3266	43.429	-31.578	-1.297	-3.193	-14.112	-1206.47
43266_3267	43266	3267	-43.429	68.119	1.297	3.193	28.936	636.588
43267_3267	43267	3267	43.426	-117.608	-0.275	-4.065	-28.936	-636.59
43267_3268	43267	3268	-43.426	154.713	0.275	4.065	32.133	-944.049
43268_3268	43268	3268	43.425	-154.713	-0.397	-1.422	-32.133	944.056
43268_3269	43268	3269	-43.425	191.283	0.397	1.422	36.675	-2923.4
43269_3269	43269	3269	43.372	-244.33	-5.951	-15.645	-36.675	2923.647
43269_3270	43269	3270	-43.372	283.34	5.951	15.645	109.299	-6143.7
43270_3270	43270	3270	43.349	-283.34	-6.116	7.8	-109.299	6143.717
43270_3271	43270	3271	-43.349	321.984	6.116	-7.8	183.242	-9802.93
43271_3271	43271	3271	43.508	-377.858	14.778	-43.667	-183.242	9803.611
43271_3272	43271	3272	-43.508	400.012	-14.778	43.667	80.813	-12499.3
43272_3272	43272	3272	48.269	-399.357	14.677	-15.217	-80.957	12517.51
43272_3273	43272	3273	-48.666	431.826	-14.677	15.217	-57.604	-16440.9
43273_3273	43273	3273	56.733	-430.677	14.541	34.428	58.539	16440.83
43273_3274	43273	3274	-57.627	459.186	-14.541	-34.428	-178.266	-20104.6
43274_3274	43274	3274	63.584	-514.092	-48.439	-51.257	175.827	20107.03
43274_3275	43274	3275	-63.928	522.204	48.439	51.257	-63.055	-21313.5
43275_3275	43275	3275	70.11	-521.386	-48.475	-37.13	63.171	21325.59
43275_3276	43275	3276	-71.967	555.483	48.475	37.13	357.114	-25994.5
43276_3276	43276	3276	82.075	-553.963	-48.597	43.624	-352.937	25994.59
43276_3277	43276	3277	-84.641	588.949	48.597	-43.624	776.376	-30975.2
43277_3277	43277	3277	101.433	-602.925	43.052	-79.506	-788.515	31020.33
43277_3278	43277	3278	-105.533	646.459	-43.052	79.506	338.256	-37552
43278_3278	43278	3278	127.525	-642.484	42.959	11.679	-330.421	37552.14
43278_3279	43278	3279	-132.877	684.208	-42.959	-11.679	-84.778	-43961.4
43279_3279	43279	3279	-3281.52	504.02	22.016	155.849	414.06	16072.55
43279_3280	43279	3280	3281.515	-488.104	-22.016	-155.849	-504.87	-14026.4
43280_3280	43280	3280	-3282.21	373.502	-72.413	-34.294	504.87	14027.78
43280_3281	43280	3281	3282.207	-349.295	72.413	34.294	-50.59	-11760.6
43281_3281	43281	3281	-3282.42	349.295	-61.92	-3.138	50.59	12059.33
43281_3282	43281	3282	3282.422	-314.383	61.92	3.138	547.155	-8855.92
43282_3282	43282	3282	-3282.59	314.383	-52.19	23.111	-547.155	8855.892
43282_3283	43282	3283	3282.591	-284.15	52.19	-23.111	983.455	-6354.09
43283_3283	43283	3283	-3282.21	254.938	14.097	-5.877	-983.455	6326.48
43283_3284	43283	3284	3282.207	-216.577	-14.097	5.877	809.177	-3411.78
43284_3284	43284	3284	-3282.13	216.577	26.729	7.254	-809.177	3411.779
43284_3285	43284	3285	3282.128	-179.576	-26.729	-7.254	490.447	-1049.8
43285_3285	43285	3285	-3282.29	82.569	6.008	0.328	-490.447	1049.862
43285_3286	43285	3286	3282.292	-45.832	-6.008	-0.328	419.313	-289.756
43286_3286	43286	3286	-3282.24	45.832	20.079	1.57	-419.313	289.752
43286_3287	43286	3287	3282.236	-13.517	-20.079	-1.57	210.194	19.302
43287_3287	43287	3287	-3282.12	-32.149	25.627	-0.218	-210.194	-19.406
43287_3288	43287	3288	3282.119	67.196	-25.627	0.218	-79.268	-541.645
43288_3288	43288	3288	-3282.01	-67.196	36.771	1.621	79.268	541.642
43288_3289	43288	3289	3282.013	101.128	-36.771	-1.621	-481.391	-1462.02

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43289_3289	43289	3289	-3282.57	-187.491	-12.077	-7.121	481.391	1462.174
43289_3290	43289	3290	3282.566	213.445	12.077	7.121	-380.373	-3138.98
43290_3290	43290	3290	-3282.58	-213.445	-4.926	-0.283	380.373	3138.986
43290_3291	43290	3291	3282.584	237.828	4.926	0.283	-341.664	-4912.13
43291_3291	43291	3291	-3282.59	-237.828	1.635	9.822	341.664	4616.885
43291_3292	43291	3292	3282.587	264.193	-1.635	-9.822	-354.553	-6595.33
43292_3292	43292	3292	-3282.88	-328.434	-11.706	-43.661	354.553	6596.269
43292_3293	43292	3293	3282.875	336.831	11.706	43.661	-325.167	-7431.28
43293_3293	43293	3293	125.484	919.386	-13.056	-47.844	57.063	31313.52
43293_3294	43293	3294	-121.542	-887.119	13.056	47.844	53.609	-23654.4
43294_3294	43294	3294	89.706	890.893	-13.108	50.232	-63.802	23654.34
43294_3295	43294	3295	-86.6	-854.815	13.108	-50.232	192.479	-15084.7
43295_3295	43295	3295	59.478	779.592	7.2	-19.094	-186.573	15085.73
43295_3296	43295	3296	-57.17	-740.731	-7.2	19.094	108.121	-6802.11
43296_3296	43296	3296	39.213	741.89	7.148	10.433	-109.62	6802.108
43296_3297	43296	3297	-38.195	-712.951	-7.148	-10.433	50.463	-782.171
43297_3297	43297	3297	25.65	713.507	7.111	13.432	-50.343	781.718
43297_3298	43297	3298	-25.418	-700.32	-7.111	-13.432	19.641	2270.512
43298_3298	43298	3298	15.354	615.855	1.337	16.823	-19.424	-2279.99
43298_3299	43298	3299	-15.257	-590.857	-1.337	-16.823	8.412	7249.188
43299_3299	43299	3299	12.923	590.914	1.309	1.195	-8.355	-7249.21
43299_3300	43299	3300	-12.923	-568.313	-1.309	-1.195	-1.402	11568.26
43300_3300	43300	3300	12.926	568.313	1.284	-20.768	1.402	-11567.5
43300_3301	43300	3301	-12.926	-543.542	-1.284	20.768	-10.526	15518.24
43301_3301	43301	3301	12.914	464.011	-0.289	44.15	10.526	-15518.9
43301_3302	43301	3302	-12.914	-421.899	0.289	-44.15	-7.031	20870.66
43302_3302	43302	3302	12.913	421.899	-0.338	-35.359	7.031	-20870.7
43302_3303	43302	3303	-12.913	-379.393	0.338	35.359	-2.904	25756.52
43303_3303	43303	3303	12.931	299.568	2.165	46.949	2.904	-25757.6
43303_3304	43303	3304	-12.931	-254.841	-2.165	-46.949	-30.681	29314.65
43304_3304	43304	3304	12.937	254.841	2.126	-41.685	30.681	-29314.7
43304_3305	43304	3305	-12.937	-214.953	-2.126	41.685	-55.006	32002.81
43305_3305	43305	3305	12.932	140.782	0.158	62.081	55.006	-32004.1
43305_3306	43305	3306	-12.932	-94.656	-0.158	-62.081	-57.097	33561.88
43306_3306	43306	3306	12.933	94.656	0.11	-62.466	57.097	-33561.9
43306_3307	43306	3307	-12.933	-56.166	-0.11	62.466	-58.312	34394.64
43307_3307	43307	3307	12.944	-14.765	1.643	59.719	58.312	-34396.2
43307_3308	43307	3308	-12.944	58.572	-1.643	-59.719	-78.958	33935.3
43308_3308	43308	3308	12.95	-58.572	1.599	-54.031	78.958	-33935.3
43308_3309	43308	3309	-12.95	99.361	-1.599	54.031	-97.674	33011.21
43309_3309	43309	3309	12.94	-171.834	-0.389	50.272	97.674	-33012.2
43309_3310	43309	3310	-12.94	213.198	0.389	-50.272	-93.053	30727.55
43310_3310	43310	3310	12.939	-213.198	-0.427	-39.712	93.053	-30727.6
43310_3311	43310	3311	-12.939	256.465	0.427	39.712	-87.748	27812.53
43311_3311	43311	3311	12.975	-318.88	5.858	39.532	87.748	-27813.5
43311_3312	43311	3312	-12.975	361.084	-5.858	-39.532	-158.683	23696.91
43312_3312	43312	3312	12.994	-361.084	5.818	-34.874	158.683	-23696.9
43312_3313	43312	3313	-12.994	403.467	-5.818	34.874	-229.424	19048.54
43313_3313	43313	3313	12.913	-500.708	-6.538	26.431	229.424	-19049.3
43313_3314	43313	3314	-12.913	545.013	6.538	-26.431	-146.324	12403.08
43314_3314	43314	3314	12.889	-545.013	-6.586	-19.883	146.324	-12403.1
43314_3315	43314	3315	-12.889	589.11	6.586	19.883	-63.004	5228.87
43315_3315	43315	3315	13.031	-630.255	-7.699	-8.277	63.004	-5229.72

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43315_3316	43315	3316	-13.031	658.778	7.699	8.277	0	-44.515
44000_4000	44000	4000	-0.318	14.32	-2.456	2.83	0	-0.403
44000_4001	44000	4001	0.318	8.01	2.456	-2.83	33.931	43.994
44001_4001	44001	4001	-0.319	-8.01	-2.456	2.811	-33.931	-43.995
44001_4002	44001	4002	0.319	24.406	2.456	-2.811	58.844	-120.432
44002_4002	44002	4002	-0.28	21.925	3.346	2.062	-58.844	120.38
44002_4003	44002	4003	0.28	-2.283	-3.346	-2.062	18.176	26.722
44003_4003	44003	4003	-0.277	2.283	3.347	2.04	-18.176	-26.724
44003_4004	44003	4004	0.277	17.356	-3.347	-2.04	-22.491	-64.859
44004_4004	44004	4004	-0.296	19.862	-0.361	1.771	22.491	64.679
44004_4005	44004	4005	0.296	-0.217	0.361	-1.771	-18.101	57.355
44005_4005	44005	4005	-0.296	0.217	-0.361	1.771	18.101	-57.355
44005_4006	44005	4006	0.296	19.428	0.361	-1.771	-13.71	-59.407
44006_4006	44006	4006	-0.292	19.918	0.076	0.901	13.71	59.329
44006_4007	44006	4007	0.292	-0.289	-0.076	-0.901	-14.631	63.385
44007_4007	44007	4007	-0.292	0.289	0.076	0.842	14.631	-63.386
44007_4008	44007	4008	0.292	19.354	-0.076	-0.842	-15.556	-52.473
44008_4008	44008	4008	-0.291	19.513	0.089	-0.039	15.556	52.516
44008_4009	44008	4009	0.291	0.136	-0.089	0.039	-16.643	65.277
44009_4009	44009	4009	-0.291	-0.136	0.089	-0.033	16.643	-65.277
44009_4010	44009	4010	0.291	19.769	-0.089	0.033	-17.729	-55.631
44010_4010	44010	4010	-0.294	19.203	-0.098	-0.804	17.729	55.848
44010_4011	44010	4011	0.294	0.446	0.098	0.804	-16.538	58.177
44011_4011	44011	4011	-0.294	-0.446	-0.098	-0.799	16.538	-58.177
44011_4012	44011	4012	0.294	20.079	0.098	0.799	-15.348	-66.495
44012_4012	44012	4012	-0.293	18.892	0.04	-1.466	15.348	66.51
44012_4013	44012	4013	0.293	0.76	-0.04	1.466	-15.837	43.726
44013_4013	44013	4013	-0.293	-0.76	0.04	-1.426	15.837	-43.727
44013_4014	44013	4014	0.293	20.398	-0.04	1.426	-16.322	-84.822
44014_4014	44014	4014	-0.299	18.028	-0.876	-1.733	16.322	84.766
44014_4015	44014	4015	0.299	8.313	0.876	1.733	-2.04	-5.593
44015_4015	44015	4015	-0.299	-8.313	-0.876	-1.736	2.04	5.595
44015_4016	44015	4016	0.299	21.654	0.876	1.736	5.193	-129.283
44016_4016	44016	4016	-0.308	19.567	-0.182	-1.209	-5.193	129.607
44016_4017	44016	4017	0.308	-0.85	0.182	1.209	7.329	-9.646
44017_4017	44017	4017	-0.308	0.85	-0.182	-1.213	-7.329	9.646
44017_4018	44017	4018	0.308	20.257	0.182	1.213	9.738	-138.226
44018_4018	44018	4018	-0.312	19.705	1.924	-0.831	-9.738	138.186
44018_4019	44018	4019	0.312	0.2	-1.924	0.831	-14.309	-16.315
44019_4019	44019	4019	-0.31	-0.2	1.925	-0.818	14.309	16.315
44019_4020	44019	4020	0.31	20.103	-1.925	0.818	-38.356	-143.165
44020_4020	44020	4020	-0.382	20.841	-1.983	-0.722	38.356	143.16
44020_4021	44020	4021	0.382	-5.704	1.983	0.722	-19.51	-17.035
44021_4021	44021	4021	-0.381	5.704	-1.983	-0.735	19.51	17.034
44021_4022	44021	4022	0.381	6.646	1.983	0.735	-4.132	-20.685
44022_4022	44022	4022	-0.383	-6.646	-1.983	-0.712	4.132	20.686
44022_4023	44022	4023	0.383	18.979	1.983	0.712	11.222	-119.886
44023_4023	44023	4023	-0.381	19.463	-0.132	-0.424	-11.222	119.972
44023_4024	44023	4024	0.381	-6.713	0.132	0.424	12.278	-15.21
44024_4024	44024	4024	-0.381	6.713	-0.132	-0.424	-12.278	15.21
44024_4025	44024	4025	0.381	6.036	0.132	0.424	13.335	-12.499
44025_4025	44025	4025	-0.381	-6.036	-0.132	-0.425	-13.335	12.499
44025_4026	44025	4026	0.381	18.77	0.132	0.425	14.39	-111.652

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44026_4026	44026	4026	-0.381	18.952	-0.02	-0.245	-14.39	111.657
44026_4027	44026	4027	0.381	-9.395	0.02	0.245	14.51	-26.616
44027_4027	44027	4027	-0.381	9.395	-0.02	-0.245	-14.51	26.616
44027_4028	44027	4028	0.381	0.163	0.02	0.245	14.629	1.079
44028_4028	44028	4028	-0.381	-0.163	-0.02	-0.244	-14.629	-1.08
44028_4029	44028	4029	0.381	9.722	0.02	0.244	14.752	-28.579
44029_4029	44029	4029	-0.381	-9.722	-0.02	-0.196	-14.752	28.579
44029_4030	44029	4030	0.381	19.279	0.02	0.196	14.871	-115.583
44030_4030	44030	4030	-0.382	18.314	0.007	-0.094	-14.871	115.534
44030_4031	44030	4031	0.382	-5.571	-0.007	0.094	14.817	-19.994
44031_4031	44031	4031	-0.382	5.571	0.007	-0.094	-14.817	19.994
44031_4032	44031	4032	0.382	7.172	-0.007	0.094	14.764	-26.401
44032_4032	44032	4032	-0.382	-7.172	0.007	-0.094	-14.764	26.401
44032_4033	44032	4033	0.382	19.915	-0.007	0.094	14.71	-134.753
44033_4033	44033	4033	-0.367	18.946	1.123	0.051	-14.71	134.758
44033_4034	44033	4034	0.367	-6.609	-1.123	-0.051	6.009	-35.789
44034_4034	44034	4034	-0.367	6.609	1.123	0.055	-6.009	35.789
44034_4035	44034	4035	0.367	5.744	-1.123	-0.055	-2.704	-32.436
44035_4035	44035	4035	-0.367	-5.744	1.124	0.072	2.704	32.436
44035_4036	44035	4036	0.367	20.849	-1.124	-0.072	-13.359	-158.526
44036_4036	44036	4036	-0.425	20.698	-1.205	0.199	13.359	158.538
44036_4037	44036	4037	0.425	-0.761	1.205	-0.199	1.727	-24.242
44037_4037	44037	4037	-0.425	0.761	-1.205	0.196	-1.727	24.242
44037_4038	44037	4038	0.425	19.145	1.205	-0.196	16.79	-139.116
44038_4038	44038	4038	-0.405	14.673	0.109	0.608	-16.79	139.238
44038_4039	44038	4039	0.405	6.439	-0.109	-0.608	15.352	-84.671
44039_4039	44039	4039	-0.405	-6.439	0.109	0.846	-15.352	84.028
44039_4040	44039	4040	0.405	24.8	-0.109	-0.846	14.075	-267.526
44040_4040	44040	4040	-0.405	19.002	-0.05	0.876	-14.075	267.617
44040_4041	44040	4041	0.405	-6.103	0.05	-0.876	14.491	-164.02
44041_4041	44041	4041	-0.405	6.103	-0.051	0.798	-14.491	164.02
44041_4042	44041	4042	0.405	18.691	0.051	-0.798	15.293	-263.876
44042_4042	44042	4042	-0.398	20.84	0.713	0.879	-15.293	263.897
44042_4043	44042	4043	0.398	-2.174	-0.713	-0.879	6.775	-126.46
44043_4043	44043	4043	-0.398	2.174	0.713	0.87	-6.775	126.46
44043_4044	44043	4044	0.398	16.477	-0.713	-0.87	-1.735	-211.803
44044_4044	44044	4044	-0.404	19.843	0.041	0.622	1.735	211.909
44044_4045	44044	4045	0.404	-1.176	-0.041	-0.622	-2.23	-86.389
44045_4045	44045	4045	-0.404	1.176	0.041	0.622	2.23	86.389
44045_4046	44045	4046	0.404	17.49	-0.041	-0.622	-2.726	-183.813
44046_4046	44046	4046	-0.404	19.463	-0.034	0.198	2.726	183.821
44046_4047	44046	4047	0.404	-0.805	0.034	-0.198	-2.32	-62.834
44047_4047	44047	4047	-0.404	0.805	-0.034	0.198	2.32	62.834
44047_4048	44047	4048	0.404	17.854	0.034	-0.198	-1.914	-164.605
44048_4048	44048	4048	-0.406	19.016	-0.275	-0.178	1.914	164.711
44048_4049	44048	4049	0.406	-0.341	0.275	0.178	1.37	-49.067
44049_4049	44049	4049	-0.406	0.341	-0.275	-0.181	-1.37	49.067
44049_4050	44049	4050	0.406	18.317	0.275	0.181	4.651	-156.37
44050_4050	44050	4050	-0.405	18.311	-0.305	-0.409	-4.651	156.211
44050_4051	44050	4051	0.405	6.453	0.305	0.409	9.485	-62.264
44051_4051	44051	4051	-0.405	-6.453	-0.305	-0.372	-9.485	62.265
44051_4052	44051	4052	0.405	19.352	0.305	0.372	12.001	-168.756
44052_4052	44052	4052	-0.402	20.506	-0.528	-0.15	-12.001	168.841

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44052_4053	44052	4053	0.402	-2.136	0.528	0.15	18.205	-35.779
44053_4053	44053	4053	-0.402	2.136	-0.528	-0.141	-18.205	35.787
44053_4054	44053	4054	0.402	17.93	0.528	0.141	25.196	-140.405
44054_4054	44054	4054	-0.409	18.536	1.019	0.089	-25.196	140.257
44054_4055	44054	4055	0.409	0.399	-1.019	-0.089	12.462	-26.891
44055_4055	44055	4055	-0.409	-0.399	1.019	0.089	-12.462	26.891
44055_4056	44055	4056	0.409	19.334	-1.019	-0.089	-0.273	-150.23
44056_4056	44056	4056	-0.388	19.872	-1.242	0.172	0.273	150.227
44056_4057	44056	4057	0.388	-5.492	1.242	-0.172	11.521	-29.829
44057_4057	44057	4057	-0.388	5.492	-1.242	0.158	-11.521	29.83
44057_4058	44057	4058	0.388	6.246	1.242	-0.158	21.149	-32.751
44058_4058	44058	4058	-0.388	-6.246	-1.242	0.158	-21.149	32.751
44058_4059	44058	4059	0.388	17.984	1.242	-0.158	30.778	-126.637
44059_4059	44059	4059	-0.38	18.963	1.049	0.287	-30.778	126.63
44059_4060	44059	4060	0.38	-6.836	-1.049	-0.287	22.376	-23.345
44060_4060	44060	4060	-0.381	6.836	1.049	0.256	-22.376	23.345
44060_4061	44060	4061	0.381	5.278	-1.049	-0.256	13.987	-17.117
44061_4061	44061	4061	-0.38	-5.278	1.049	0.277	-13.987	17.117
44061_4062	44061	4062	0.38	17.391	-1.049	-0.277	5.596	-107.757
44062_4062	44062	4062	-0.381	18.375	0.64	0.457	-5.596	107.801
44062_4063	44062	4063	0.381	-9.283	-0.64	-0.457	1.755	-24.788
44063_4063	44063	4063	-0.382	9.283	0.639	0.416	-1.755	24.789
44063_4064	44063	4064	0.382	-0.19	-0.639	-0.416	-2.083	3.648
44064_4064	44064	4064	-0.381	0.19	0.64	0.41	2.083	-3.649
44064_4065	44064	4065	0.381	8.887	-0.64	-0.41	-5.917	-22.409
44065_4065	44065	4065	-0.381	-8.887	0.64	0.413	5.917	22.409
44065_4066	44065	4066	0.381	17.979	-0.64	-0.413	-9.758	-103.041
44066_4066	44066	4066	-0.379	18.071	0.615	0.485	9.758	103.05
44066_4067	44066	4067	0.379	-5.946	-0.615	-0.485	-14.685	-6.924
44067_4067	44067	4067	-0.379	5.946	0.615	0.485	14.685	6.924
44067_4068	44067	4068	0.379	6.164	-0.615	-0.485	-19.606	-7.796
44068_4068	44068	4068	-0.378	-6.164	0.616	0.495	19.606	7.796
44068_4069	44068	4069	0.378	18.288	-0.616	-0.495	-24.536	-105.658
44069_4069	44069	4069	-0.374	17.729	0.992	0.628	24.536	105.591
44069_4070	44069	4070	0.374	-5.999	-0.992	-0.628	-32.218	-13.712
44070_4070	44070	4070	-0.374	5.999	0.992	0.63	32.218	13.712
44070_4071	44070	4071	0.374	5.746	-0.992	-0.63	-39.91	-12.73
44071_4071	44071	4071	-0.374	-5.746	0.992	0.626	39.91	12.731
44071_4072	44071	4072	0.374	20.132	-0.992	-0.626	-49.33	-135.621
44072_4072	44072	4072	-0.407	20.13	-1.582	0.707	49.33	135.625
44072_4073	44072	4073	0.407	-1.198	1.582	-0.707	-29.554	-2.329
44073_4073	44073	4073	-0.406	1.198	-1.583	0.705	29.554	2.33
44073_4074	44073	4074	0.406	17.734	1.583	-0.705	-9.773	-105.675
44074_4074	44074	4074	-0.376	15.227	0.144	0.976	9.773	105.73
44074_4075	44074	4075	0.376	4.842	-0.144	-0.976	-11.677	-36.93
44075_4075	44075	4075	-0.376	-4.842	0.143	1.278	11.677	36.958
44075_4076	44075	4076	0.376	22.247	-0.143	-1.278	-13.361	-196.092
44076_4076	44076	4076	-0.373	17.905	0.106	1.079	13.361	196.249
44076_4077	44076	4077	0.373	-5.682	-0.106	-1.079	-14.237	-98.946
44077_4077	44077	4077	-0.373	5.682	0.106	1.104	14.237	98.947
44077_4078	44077	4078	0.373	15.664	-0.106	-1.104	-15.766	-170.861
44078_4078	44078	4078	-0.371	17.824	0.195	0.917	15.766	170.764
44078_4079	44078	4079	0.371	-1.195	-0.195	-0.917	-17.957	-64.029

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44079_4079	44079	4079	-0.371	1.195	0.195	0.917	17.957	64.029
44079_4080	44079	4080	0.371	15.434	-0.195	-0.917	-20.149	-143.942
44080_4080	44080	4080	-0.371	16.843	-0.079	0.566	20.149	143.774
44080_4081	44080	4081	0.371	-0.218	0.079	-0.566	-19.26	-48.043
44081_4081	44081	4081	-0.371	0.218	-0.079	0.566	19.26	48.043
44081_4082	44081	4082	0.371	16.407	0.079	-0.566	-18.371	-138.88
44082_4082	44082	4082	-0.372	18.155	-0.116	0.066	18.371	138.937
44082_4083	44082	4083	0.372	-0.285	0.116	-0.066	-16.968	-27.718
44083_4083	44083	4083	-0.372	0.285	-0.117	0.043	16.968	27.718
44083_4084	44083	4084	0.372	17.586	0.117	-0.043	-15.561	-132.068
44084_4084	44084	4084	-0.373	16.828	-0.246	-0.492	15.561	132.077
44084_4085	44084	4085	0.373	-0.207	0.246	0.492	-12.802	-36.512
44085_4085	44085	4085	-0.374	0.207	-0.246	-0.458	12.802	36.512
44085_4086	44085	4086	0.374	16.429	0.246	0.458	-10.045	-127.599
44086_4086	44086	4086	-0.374	16.33	-0.379	-0.862	10.045	127.468
44086_4087	44086	4087	0.374	0.292	0.379	0.862	-5.792	-37.497
44087_4087	44087	4087	-0.374	-0.292	-0.379	-0.829	5.792	37.498
44087_4088	44087	4088	0.374	16.913	0.379	0.829	-1.542	-134.014
44088_4088	44088	4088	-0.376	14.877	-0.189	-1.044	1.542	134.172
44088_4089	44088	4089	0.376	5.655	0.189	1.044	1.073	-70.266
44089_4089	44089	4089	-0.376	-5.655	-0.189	-1.101	-1.073	70.266
44089_4090	44089	4090	0.376	17.871	0.189	1.101	2.631	-167.262
44090_4090	44090	4090	-0.371	18.607	-0.659	-0.791	-2.631	167.438
44090_4091	44090	4091	0.371	-1.188	0.659	0.791	10.382	-51.066
44091_4091	44091	4091	-0.371	1.188	-0.659	-0.788	-10.382	51.082
44091_4092	44091	4092	0.371	18.146	0.659	0.788	19.118	-163.421
44092_4092	44092	4092	-0.381	18.173	1.032	-0.518	-19.118	163.273
44092_4093	44092	4093	0.381	0.062	-1.032	0.518	6.22	-50.113
44093_4093	44093	4093	-0.381	-0.062	1.032	-0.518	-6.22	50.113
44093_4094	44093	4094	0.381	18.298	-1.032	0.518	-6.679	-164.832
44094_4094	44094	4094	-0.445	19.069	-1.013	-0.384	6.679	164.846
44094_4095	44094	4095	0.445	-5.199	1.013	0.384	2.946	-49.513
44095_4095	44095	4095	-0.444	5.199	-1.013	-0.423	-2.946	49.515
44095_4096	44095	4096	0.444	6.116	1.013	0.423	10.801	-53.069
44096_4096	44096	4096	-0.446	-6.116	-1.012	-0.356	-10.801	53.069
44096_4097	44096	4097	0.446	17.416	1.012	0.356	18.64	-144.182
44097_4097	44097	4097	-0.443	18.076	0.312	-0.184	-18.64	144.186
44097_4098	44097	4098	0.443	-6.397	-0.312	0.184	16.145	-46.25
44098_4098	44098	4098	-0.443	6.397	0.312	-0.186	-16.145	46.25
44098_4099	44098	4099	0.443	5.267	-0.312	0.186	13.654	-41.732
44099_4099	44099	4099	-0.443	-5.267	0.312	-0.185	-13.654	41.732
44099_4100	44099	4100	0.443	16.946	-0.312	0.185	11.159	-130.619
44100_4100	44100	4100	-0.444	17.561	0.178	-0.087	-11.159	130.61
44100_4101	44100	4101	0.444	-8.801	-0.178	0.087	10.092	-51.488
44101_4101	44101	4101	-0.444	8.801	0.178	-0.001	-10.092	51.488
44101_4102	44101	4102	0.444	-0.042	-0.178	0.001	9.021	-24.947
44102_4102	44102	4102	-0.444	0.042	0.178	-0.003	-9.021	24.947
44102_4103	44102	4103	0.444	8.702	-0.178	0.003	7.951	-50.895
44103_4103	44103	4103	-0.444	-8.702	0.178	0	-7.951	50.895
44103_4104	44103	4104	0.444	17.461	-0.178	0	6.88	-129.417
44104_4104	44104	4104	-0.444	17.205	0.061	0.102	-6.88	129.42
44104_4105	44104	4105	0.444	-5.526	-0.061	-0.102	6.393	-38.457
44105_4105	44105	4105	-0.444	5.526	0.061	0.149	-6.393	38.457

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44105_4106	44105	4106	0.444	6.139	-0.061	-0.149	5.902	-40.908
44106_4106	44106	4106	-0.444	-6.139	0.061	0.15	-5.902	40.908
44106_4107	44106	4107	0.444	17.818	-0.061	-0.15	5.411	-136.773
44107_4107	44107	4107	-0.442	17.211	1.099	0.299	-5.411	136.796
44107_4108	44107	4108	0.442	-5.897	-1.099	-0.299	-3.113	-47.213
44108_4108	44108	4108	-0.441	5.897	1.1	0.358	3.113	47.213
44108_4109	44108	4109	0.441	5.402	-1.1	-0.358	-11.63	-45.298
44109_4109	44109	4109	-0.442	-5.402	1.1	0.309	11.63	45.298
44109_4110	44109	4110	0.442	19.271	-1.1	-0.309	-22.08	-162.55
44110_4110	44110	4110	-0.456	19.063	-1.154	0.452	22.08	162.553
44110_4111	44110	4111	0.456	-0.817	1.154	-0.452	-7.657	-38.264
44111_4111	44111	4111	-0.457	0.817	-1.153	0.482	7.657	38.264
44111_4112	44111	4112	0.457	17.415	1.153	-0.482	6.751	-141.948
44112_4112	44112	4112	-0.448	14.254	-0.277	0.879	-6.751	141.974
44112_4113	44112	4113	0.448	5.087	0.277	-0.879	10.425	-81.222
44113_4113	44113	4113	-0.448	-5.087	-0.277	1.04	-10.425	81.11
44113_4114	44113	4114	0.448	22.199	0.277	-1.04	13.682	-241.461
44114_4114	44114	4114	-0.441	17.149	0.387	1.224	-13.682	241.326
44114_4115	44114	4115	0.441	-5.15	-0.387	-1.224	10.496	-149.437
44115_4115	44115	4115	-0.441	5.15	0.386	0.929	-10.496	149.439
44115_4116	44115	4116	0.441	15.776	-0.386	-0.929	4.952	-225.804
44116_4116	44116	4116	-0.441	18.221	0.466	1.121	-4.952	225.822
44116_4117	44116	4117	0.441	-1.882	-0.466	-1.121	-0.277	-113.022
44117_4117	44117	4117	-0.441	1.882	0.466	1.121	0.277	113.022
44117_4118	44117	4118	0.441	14.457	-0.466	-1.121	-5.507	-183.581
44118_4118	44118	4118	-0.441	17.086	0.094	0.91	5.507	183.748
44118_4119	44118	4119	0.441	-0.749	-0.094	-0.91	-6.566	-83.686
44119_4119	44119	4119	-0.441	0.749	0.094	0.836	6.566	83.687
44119_4120	44119	4120	0.441	15.604	-0.094	-0.836	-7.622	-167.109
44120_4120	44120	4120	-0.44	18.28	0.066	0.46	7.622	166.927
44120_4121	44120	4121	0.44	-0.734	-0.066	-0.46	-8.413	-52.351
44121_4121	44121	4121	-0.441	0.734	0.065	0.417	8.413	52.352
44121_4122	44121	4122	0.441	16.827	-0.065	-0.417	-9.2	-149.399
44122_4122	44122	4122	-0.441	16.923	-0.064	-0.085	9.2	149.398
44122_4123	44122	4123	0.441	-0.587	0.064	0.085	-8.484	-51.161
44123_4123	44123	4123	-0.44	0.587	-0.064	-0.13	8.484	51.161
44123_4124	44123	4124	0.44	15.765	0.064	0.13	-7.763	-136.391
44124_4124	44124	4124	-0.439	16.449	-0.135	-0.525	7.763	136.23
44124_4125	44124	4125	0.439	-0.112	0.135	0.525	-6.245	-43.315
44125_4125	44125	4125	-0.439	0.112	-0.135	-0.525	6.245	43.315
44125_4126	44125	4126	0.439	16.224	0.135	0.525	-4.727	-133.707
44126_4126	44126	4126	-0.438	14.639	-0.582	-0.739	4.727	133.579
44126_4127	44126	4127	0.438	5.366	0.582	0.739	3.276	-69.875
44127_4127	44127	4127	-0.437	-5.366	-0.583	-0.807	-3.276	69.875
44127_4128	44127	4128	0.437	17.378	0.583	0.807	8.084	-163.698
44128_4128	44128	4128	-0.448	18.454	0.598	-0.664	-8.084	163.562
44128_4129	44128	4129	0.448	-1.346	-0.598	0.664	1.062	-47.236
44129_4129	44129	4129	-0.447	1.346	0.598	-0.558	-1.062	47.265
44129_4130	44129	4130	0.447	17.952	-0.598	0.558	-6.864	-157.284
44130_4130	44130	4130	-0.453	17.647	-0.234	-0.192	6.864	157.127
44130_4131	44130	4131	0.453	0.559	0.234	0.192	-3.94	-50.329
44131_4131	44131	4131	-0.453	-0.559	-0.234	-0.152	3.94	50.329
44131_4132	44131	4132	0.453	18.751	0.234	0.152	-1.023	-170.919

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44132_4132	44132	4132	-1.261	18.987	0.019	-0.288	1.023	164.449
44132_4133	44132	4133	1.261	-5.151	-0.019	0.288	-1.204	-49.793
44133_4133	44133	4133	-1.261	5.151	0.02	-0.259	1.204	49.794
44133_4134	44133	4134	1.261	6.137	-0.02	0.259	-1.357	-53.615
44134_4134	44134	4134	-1.261	-6.137	0.02	-0.259	1.357	53.615
44134_4135	44134	4135	1.261	17.439	-0.02	0.259	-1.511	-145.091
44135_4135	44135	4135	-1.223	18.223	-0.545	0.06	1.511	145.281
44135_4136	44135	4136	1.223	-6.57	0.545	-0.06	2.853	-46.097
44136_4136	44136	4136	-1.223	6.57	-0.545	0.06	-2.853	46.097
44136_4137	44136	4137	1.223	5.082	0.545	-0.06	7.217	-40.144
44137_4137	44137	4137	-1.223	-5.082	-0.545	0.06	-7.217	40.144
44137_4138	44137	4138	1.223	16.735	0.545	-0.06	11.581	-127.423
44138_4138	44138	4138	-1.236	17.472	0.354	-0.007	-11.581	127.333
44138_4139	44138	4139	1.236	-8.732	-0.354	0.007	9.46	-48.714
44139_4139	44139	4139	-1.236	8.732	0.354	-0.007	-9.46	48.714
44139_4140	44139	4140	1.236	0.007	-0.354	0.007	7.339	-22.537
44140_4140	44140	4140	-1.236	-0.007	0.354	-0.007	-7.339	22.537
44140_4141	44140	4141	1.236	8.747	-0.354	0.007	5.217	-48.802
44141_4141	44141	4141	-1.236	-8.747	0.354	-0.007	-5.217	48.802
44141_4142	44141	4142	1.236	17.487	-0.354	0.007	3.096	-127.51
44142_4142	44142	4142	-1.23	17.056	0.039	0.083	-3.096	127.427
44142_4143	44142	4143	1.23	-5.403	-0.039	-0.083	2.783	-37.581
44143_4143	44143	4143	-1.23	5.403	0.039	0.083	-2.783	37.581
44143_4144	44143	4144	1.23	6.25	-0.039	-0.083	2.47	-40.966
44144_4144	44144	4144	-1.23	-6.25	0.041	0.134	-2.47	40.966
44144_4145	44144	4145	1.23	17.902	-0.041	-0.134	2.145	-137.58
44145_4145	44145	4145	-1.248	17.052	1.013	0.185	-2.145	137.472
44145_4146	44145	4146	1.248	-5.778	-1.013	-0.185	-5.7	-49.11
44146_4146	44146	4146	-1.247	5.778	1.015	0.249	5.7	49.11
44146_4147	44146	4147	1.247	5.511	-1.015	-0.249	-13.568	-48.073
44147_4147	44147	4147	-1.248	-5.511	1.014	0.206	13.568	48.071
44147_4148	44147	4148	1.248	19.348	-1.014	-0.206	-23.203	-166.161
44148_4148	44148	4148	-1.231	19.329	-1.394	0.323	23.203	166.262
44148_4149	44148	4149	1.231	-1.122	1.394	-0.323	-5.774	-38.434
44149_4149	44149	4149	-1.231	1.122	-1.394	0.323	5.774	38.434
44149_4150	44149	4150	1.231	17.086	1.394	-0.323	11.654	-138.22
44150_4150	44150	4150	-1.252	13.795	0.325	0.678	-11.654	138.222
44150_4151	44150	4151	1.252	5.505	-0.325	-0.678	7.345	-83.295
44151_4151	44151	4151	-1.253	-5.505	0.324	0.684	-7.345	83.202
44151_4152	44151	4152	1.253	23.357	-0.324	-0.684	3.535	-252.779
44152_4152	44152	4152	-1.252	17.152	0.275	0.883	-3.535	252.78
44152_4153	44152	4153	1.252	-4.618	-0.275	-0.883	1.269	-162.974
44153_4153	44153	4153	-1.252	4.618	0.274	0.801	-1.269	162.972
44153_4154	44153	4154	1.252	16.258	-0.274	-0.801	-2.497	-242.949
44154_4154	44154	4154	-1.251	18.742	0.157	0.627	2.497	242.946
44154_4155	44154	4155	1.251	-2.03	-0.157	-0.627	-4.228	-128.69
44155_4155	44155	4155	-1.25	2.03	0.158	0.744	4.228	128.69
44155_4156	44155	4156	1.25	14.682	-0.158	-0.744	-5.971	-198.286
44156_4156	44156	4156	-1.251	16.541	0.173	0.265	5.971	198.284
44156_4157	44156	4157	1.251	-1.332	-0.173	-0.265	-7.7	-108.822
44157_4157	44157	4157	-1.251	1.332	0.174	0.374	7.7	108.822
44157_4158	44157	4158	1.251	13.876	-0.174	-0.374	-9.443	-171.609
44158_4158	44158	4158	-1.247	15.313	0.013	-0.185	9.443	171.462

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44158_4159	44158	4159	1.247	-0.105	-0.013	0.185	-9.572	-94.286
44159_4159	44159	4159	-1.247	0.105	0.014	-0.091	9.572	94.286
44159_4160	44159	4160	1.247	15.103	-0.014	0.091	-9.715	-169.357
44160_4160	44160	4160	-1.242	16.723	-0.373	-0.533	9.715	169.353
44160_4161	44160	4161	1.242	-0.011	0.373	0.533	-5.606	-77.309
44161_4161	44161	4161	-1.242	0.011	-0.373	-0.534	5.606	77.309
44161_4162	44161	4162	1.242	16.687	0.373	0.534	-1.502	-168.952
44162_4162	44162	4162	-1.242	15.567	-0.463	-0.734	1.502	169.065
44162_4163	44162	4163	1.242	5.324	0.463	0.734	4.869	-98.64
44163_4163	44163	4163	-1.241	-5.324	-0.465	-0.875	-4.869	98.637
44163_4164	44163	4164	1.241	17.858	0.465	0.875	8.706	-194.273
44164_4164	44164	4164	-1.242	19.445	-0.418	-0.49	-8.706	194.169
44164_4165	44164	4165	1.242	-1.593	0.418	0.49	13.613	-70.563
44165_4165	44165	4165	-1.241	1.593	-0.419	-0.546	-13.613	70.605
44165_4166	44165	4166	1.241	19.059	0.419	0.546	19.156	-186.241
44166_4166	44166	4166	-1.259	19.22	1.85	-0.172	-19.156	186.379
44166_4167	44166	4167	1.259	0.278	-1.85	0.172	-3.966	-67.978
44167_4167	44167	4167	-1.259	-0.278	1.85	-0.172	3.966	67.978
44167_4168	44167	4168	1.259	19.775	-1.85	0.172	-27.087	-193.321
44168_4168	44168	4168	-1.197	20.378	-1.455	-0.172	27.087	193.503
44168_4169	44168	4169	1.197	-5.56	1.455	0.172	-13.266	-70.289
44169_4169	44169	4169	-1.198	5.56	-1.454	-0.112	13.266	70.288
44169_4170	44169	4170	1.198	6.529	1.454	0.112	-1.998	-74.045
44170_4170	44170	4170	-1.198	-6.529	-1.454	-0.112	1.998	74.045
44170_4171	44170	4171	1.198	18.617	1.454	0.112	9.27	-171.495
44171_4171	44171	4171	-1.218	19.58	0.115	-0.032	-9.27	171.497
44171_4172	44171	4172	1.218	-7.101	-0.115	0.032	8.348	-64.763
44172_4172	44172	4172	-1.218	7.101	0.115	-0.032	-8.348	64.763
44172_4173	44172	4173	1.218	5.377	-0.115	0.032	7.426	-57.867
44173_4173	44173	4173	-1.218	-5.377	0.115	-0.032	-7.426	57.867
44173_4174	44173	4174	1.218	17.856	-0.115	0.032	6.505	-150.808
44174_4174	44174	4174	-1.218	18.837	0.178	0.032	-6.505	150.726
44174_4175	44174	4175	1.218	-9.478	-0.178	-0.032	5.438	-65.775
44175_4175	44175	4175	-1.218	9.478	0.178	0.032	-5.438	65.775
44175_4176	44175	4176	1.218	-0.119	-0.178	-0.032	4.372	-36.983
44176_4176	44176	4176	-1.218	0.119	0.178	0.032	-4.372	36.983
44176_4177	44176	4177	1.218	9.24	-0.178	-0.032	3.306	-64.349
44177_4177	44177	4177	-1.218	-9.24	0.178	0.032	-3.306	64.349
44177_4178	44177	4178	1.218	18.599	-0.178	-0.032	2.24	-147.873
44178_4178	44178	4178	-1.215	18.33	0.024	0.084	-2.24	147.791
44178_4179	44178	4179	1.215	-5.867	-0.024	-0.084	2.044	-51.116
44179_4179	44179	4179	-1.215	5.867	0.024	0.084	-2.044	51.116
44179_4180	44179	4180	1.215	6.612	-0.024	-0.084	1.849	-54.094
44180_4180	44180	4180	-1.215	-6.612	0.026	0.152	-1.849	54.094
44180_4181	44180	4181	1.215	19.09	-0.026	-0.152	1.641	-156.908
44181_4181	44181	4181	-1.227	18.289	1.784	0.139	-1.641	157.041
44181_4182	44181	4182	1.227	-6.201	-1.784	-0.139	-12.188	-62.133
44182_4182	44182	4182	-1.224	6.201	1.786	0.219	12.188	62.133
44182_4183	44182	4183	1.224	5.888	-1.786	-0.219	-26.029	-60.92
44183_4183	44183	4183	-1.226	-5.888	1.785	0.163	26.029	60.919
44183_4184	44183	4184	1.226	20.706	-1.785	-0.163	-42.987	-187.251
44184_4184	44184	4184	-1.175	20.599	-2.178	0.194	42.987	187.251
44184_4185	44184	4185	1.175	-1.101	2.178	-0.194	-15.755	-51.615

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44185_4185	44185	4185	-1.175	1.101	-2.178	0.194	15.755	51.615
44185_4186	44185	4186	1.175	18.397	2.178	-0.194	11.476	-159.722
44186_4186	44186	4186	-1.206	15.748	0.294	0.516	-11.476	159.724
44186_4187	44186	4187	1.206	4.919	-0.294	-0.516	7.58	-87.978
44187_4187	44187	4187	-1.207	-4.919	0.293	0.433	-7.58	87.672
44187_4188	44187	4188	1.207	24.037	-0.293	-0.433	4.136	-257.804
44188_4188	44188	4188	-1.206	19.273	0.275	0.52	-4.136	257.804
44188_4189	44188	4189	1.206	-5.85	-0.275	-0.52	1.87	-154.163
44189_4189	44189	4189	-1.206	5.85	0.274	0.447	-1.87	154.17
44189_4190	44189	4190	1.206	16.505	-0.274	-0.447	-1.896	-227.378
44190_4190	44190	4190	-1.194	19.478	-0.718	0.306	1.896	227.375
44190_4191	44190	4191	1.194	-1.581	0.718	-0.306	6.007	-111.541
44191_4191	44191	4191	-1.194	1.581	-0.717	0.408	-6.007	111.54
44191_4192	44191	4192	1.194	16.316	0.717	-0.408	13.897	-192.591
44192_4192	44192	4192	-1.213	17.485	0.8	-0.273	-13.897	192.586
44192_4193	44192	4193	1.213	-1.134	-0.8	0.273	5.854	-99.015
44193_4193	44193	4193	-1.213	1.134	0.8	-0.273	-5.854	99.015
44193_4194	44193	4194	1.213	15.218	-0.8	0.273	-2.19	-169.794
44194_4194	44194	4194	-1.204	16.199	0.455	-0.711	2.19	169.64
44194_4195	44194	4195	1.204	0.136	-0.455	0.711	-6.757	-88.997
44195_4195	44195	4195	-1.204	-0.136	0.454	-0.798	6.757	88.996
44195_4196	44195	4196	1.204	16.488	-0.454	0.798	-11.317	-172.538
44196_4196	44196	4196	-1.164	17.756	-1.534	-0.915	11.317	172.691
44196_4197	44196	4197	1.164	0.141	1.534	0.915	5.558	-75.805
44197_4197	44197	4197	-1.163	-0.141	-1.535	-0.984	-5.558	75.804
44197_4198	44197	4198	1.163	18.039	1.535	0.984	22.444	-175.802
44198_4198	44198	4198	-1.187	16.507	-0.331	-1.149	-22.444	175.799
44198_4199	44198	4199	1.187	5.864	0.331	1.149	27.002	-102.619
44199_4199	44199	4199	-1.187	-5.864	-0.331	-1.098	-27.002	102.617
44199_4200	44199	4200	1.187	19.287	0.331	1.098	29.732	-206.375
44200_4200	44200	4200	-1.184	20.98	-0.643	-0.428	-29.732	206.247
44200_4201	44200	4201	1.184	-1.879	0.643	0.428	37.283	-72.051
44201_4201	44201	4201	-1.184	1.879	-0.642	-0.377	-37.283	72.059
44201_4202	44201	4202	1.184	20.522	0.642	0.377	45.794	-195.576
44202_4202	44202	4202	-1.221	20.745	1.264	0.035	-45.794	195.586
44202_4203	44202	4203	1.221	0.388	-1.264	-0.035	29.993	-68.342
44203_4203	44203	4203	-1.221	-0.388	1.264	0.035	-29.993	68.342
44203_4204	44203	4204	1.221	21.521	-1.264	-0.035	14.193	-205.283
44204_4204	44204	4204	-1.175	22.019	-1.085	0.321	-14.193	205.289
44204_4205	44204	4205	1.175	-5.958	1.085	-0.321	24.502	-72.389
44205_4205	44205	4205	-1.176	5.958	-1.084	0.385	-24.502	72.385
44205_4206	44205	4206	1.176	7.145	1.084	-0.385	32.904	-76.985
44206_4206	44206	4206	-1.174	-7.145	-1.086	0.285	-32.904	76.985
44206_4207	44206	4207	1.174	20.247	1.086	-0.285	41.319	-183.138
44207_4207	44207	4207	-1.207	21.011	0.576	0.654	-41.319	183.139
44207_4208	44207	4208	1.207	-7.486	-0.576	-0.654	36.709	-69.145
44208_4208	44208	4208	-1.208	7.486	0.575	0.568	-36.709	69.146
44208_4209	44208	4209	1.208	6.039	-0.575	-0.568	32.11	-63.36
44209_4209	44209	4209	-1.208	-6.039	0.575	0.568	-32.11	63.36
44209_4210	44209	4210	1.208	19.564	-0.575	-0.568	27.512	-165.784
44210_4210	44210	4210	-1.218	20.372	0.796	0.82	-27.512	165.667
44210_4211	44210	4211	1.218	-10.228	-0.796	-0.82	22.735	-73.861
44211_4211	44211	4211	-1.218	10.228	0.796	0.818	-22.735	73.861

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44211_4212	44211	4212	1.218	-0.101	-0.796	-0.818	17.966	-42.923
44212_4212	44212	4212	-1.218	0.101	0.796	0.819	-17.966	42.923
44212_4213	44212	4213	1.218	10.043	-0.796	-0.819	13.188	-72.75
44213_4213	44213	4213	-1.218	-10.043	0.796	0.819	-13.188	72.75
44213_4214	44213	4214	1.218	20.186	-0.796	-0.819	8.411	-163.446
44214_4214	44214	4214	-1.213	20.007	1.118	0.99	-8.411	163.576
44214_4215	44214	4215	1.213	-6.482	-1.118	-0.99	-0.532	-57.615
44215_4215	44215	4215	-1.213	6.482	1.118	0.99	0.532	57.615
44215_4216	44215	4216	1.213	7.043	-1.118	-0.99	-9.475	-59.861
44216_4216	44216	4216	-1.213	-7.043	1.118	0.99	9.475	59.861
44216_4217	44216	4217	1.213	20.568	-1.118	-0.99	-18.418	-170.314
44217_4217	44217	4217	-1.216	19.866	1.271	1.082	18.418	170.443
44217_4218	44217	4218	1.216	-6.763	-1.271	-1.082	-28.27	-67.247
44218_4218	44218	4218	-1.214	6.763	1.273	1.169	28.27	67.246
44218_4219	44218	4219	1.214	6.339	-1.273	-1.169	-38.135	-65.6
44219_4219	44219	4219	-1.215	-6.339	1.272	1.1	38.135	65.6
44219_4220	44219	4220	1.215	22.399	-1.272	-1.1	-50.216	-202.116
44220_4220	44220	4220	-1.138	22.391	-0.783	0.84	50.216	202.052
44220_4221	44220	4221	1.138	-1.26	0.783	-0.84	-40.429	-54.236
44221_4221	44221	4221	-1.138	1.26	-0.783	0.84	40.429	54.236
44221_4222	44221	4222	1.138	19.871	0.783	-0.84	-30.642	-170.561
44222_4222	44222	4222	-1.142	17.202	-3.867	1.349	30.642	170.406
44222_4223	44222	4223	1.142	5.197	3.867	-1.349	20.591	-90.877
44223_4223	44223	4223	-1.144	-5.197	-3.866	2.138	-20.591	90.706
44223_4224	44223	4224	1.144	25.901	3.866	-2.138	66.017	-273.41
44224_4224	44224	4224	-1.092	22.161	4.207	0.82	-66.017	273.265
44224_4225	44224	4225	1.092	-7.64	-4.207	-0.82	31.347	-150.469
44225_4225	44225	4225	-1.09	7.64	4.207	0.839	-31.347	150.465
44225_4226	44225	4226	1.09	20.01	-4.207	-0.839	-34.672	-247.531
44226_4226	44226	4226	-1.061	22.395	0.007	0.623	34.672	247.476
44226_4227	44226	4227	1.061	-1.301	-0.007	-0.623	-34.758	-105.632
44227_4227	44227	4227	-1.061	1.301	0.013	1.24	34.758	105.627
44227_4228	44227	4228	1.061	19.796	-0.013	-1.24	-34.919	-216.355
44228_4228	44228	4228	-1.105	21.674	3.249	-0.331	34.919	216.405
44228_4229	44228	4229	1.105	-0.572	-3.249	0.331	-73.826	-83.194
44229_4229	44229	4229	-1.105	0.572	3.249	-0.331	73.826	83.194
44229_4230	44229	4230	1.105	20.529	-3.249	0.331	-112.733	-202.694
44230_4230	44230	4230	-0.79	21.478	-6.57	-0.478	112.733	202.702
44230_4231	44230	4231	0.79	0.064	6.57	0.478	-32.404	-71.799
44231_4231	44231	4231	-0.843	-0.064	-6.563	0.111	32.404	71.801
44231_4232	44231	4232	0.843	21.595	6.563	-0.111	47.8	-204.139
44232_4232	44232	4232	-1.022	21.574	0.089	-1.571	-47.8	204.292
44232_4233	44232	4233	1.022	-0.462	-0.089	1.571	46.734	-72.277
44233_4233	44233	4233	-1.022	0.462	0.088	-1.64	-46.734	72.271
44233_4234	44233	4234	1.022	20.703	-0.088	1.64	45.676	-193.835
44234_4234	44234	4234	-1.02	19.885	-0.093	-0.483	-45.676	193.889
44234_4235	44234	4235	1.02	-0.871	0.093	0.483	46.674	-81.895
44235_4235	44235	4235	-1.021	0.871	-0.079	0.265	-46.674	81.917
44235_4236	44235	4236	1.021	17.717	0.079	-0.265	47.46	-165.531
44236_4236	44236	4236	-1.63	17.27	12.784	-0.778	-47.46	165.583
44236_4237	44236	4237	1.63	1.563	-12.784	0.778	-81.113	-86.597
44237_4237	44237	4237	-1.625	-1.563	12.785	-0.745	81.113	86.597
44237_4238	44237	4238	1.625	21.541	-12.785	0.745	-217.507	-209.839

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44238_4238	44238	4238	0.106	23.914	-11.351	0.272	217.507	209.97
44238_4239	44238	4239	-0.106	-0.297	11.351	-0.272	-74.349	-57.297
44239_4239	44239	4239	0.036	0.297	-11.352	0.693	74.349	57.298
44239_4240	44239	4240	-0.036	21.958	11.352	-0.693	60.566	-186.015
44240_4240	44240	4240	-0.854	20.472	2.774	-0.047	-60.566	185.872
44240_4241	44240	4241	0.854	-2.371	-2.774	0.047	33.753	-75.47
44241_4241	44241	4241	-0.854	2.371	2.774	-0.052	-33.753	75.47
44241_4242	44241	4242	0.854	16.255	-2.774	0.052	6.162	-144.518
44242_4242	44242	4242	-0.743	18.061	0.961	0.534	-6.162	144.641
44242_4243	44242	4243	0.743	0.753	-0.961	-0.534	-3.49	-57.692
44243_4243	44243	4243	-0.744	-0.753	0.96	0.498	3.49	57.693
44243_4244	44243	4244	0.744	18.703	-0.96	-0.498	-12.694	-150.942
44244_4244	44244	4244	-0.688	18.717	-0.032	0.346	12.694	150.775
44244_4245	44244	4245	0.688	-1.432	0.032	-0.346	-12.394	-57.779
44245_4245	44245	4245	-0.688	1.432	-0.028	0.714	12.394	57.776
44245_4246	44245	4246	0.688	18.023	0.028	-0.714	-12.102	-143.965
44246_4246	44246	4246	-0.674	16.789	0.533	0.446	12.102	143.919
44246_4247	44246	4247	0.674	2.235	-0.533	-0.446	-17.521	-69.991
44247_4247	44247	4247	-0.674	-2.235	0.534	0.458	17.521	69.99
44247_4248	44247	4248	0.674	19.943	-0.534	-0.458	-22.566	-174.85
44248_4248	44248	4248	-0.531	21.545	0.106	-0.113	22.566	175.501
44248_4249	44248	4249	0.531	3.494	-0.106	0.113	-23.988	-54.817
44249_4249	44249	4249	-0.529	-3.494	0.114	0.71	23.988	54.812
44249_4250	44249	4250	0.529	24.333	-0.114	-0.71	-25.259	-209.646
44250_4250	44250	4250	-0.429	22.584	0.013	0.119	25.259	209.836
44250_4251	44250	4251	0.429	1.737	-0.013	-0.119	-25.425	-74.456
44251_4251	44251	4251	-0.429	-1.737	0.013	0.082	25.425	74.456
44251_4252	44251	4252	0.429	17.907	-0.013	-0.082	-25.533	-159.27
44252_4252	44252	4252	-0.385	17.751	-1.976	0.681	25.533	159.251
44252_4253	44252	4253	0.385	4.124	1.976	-0.681	-2.455	-79.656
44253_4253	44253	4253	-0.397	-4.124	-1.973	1.157	2.455	79.651
44253_4254	44253	4254	0.397	22.735	1.973	-1.157	17.156	-213.125
44254_4254	44254	4254	-0.471	19.777	2.266	-1.974	-17.156	212.79
44254_4255	44254	4255	0.471	5.136	-2.266	1.974	-11.403	-120.509
44255_4255	44255	4255	-0.472	-5.136	2.265	-2.046	11.403	120.507
44255_4256	44255	4256	0.472	28.635	-2.265	2.046	-38.338	-321.279
44256_4256	44256	4256	-0.409	24.02	-2.532	-2.211	38.338	321.539
44256_4257	44256	4257	0.409	-1.595	2.532	2.211	-9.608	-176.215
44257_4257	44257	4257	-0.429	1.595	-2.529	-0.88	9.608	176.227
44257_4258	44257	4258	0.429	21.548	2.529	0.88	20.003	-293.051
44258_4258	44258	4258	-0.442	21.725	-2.707	-1.882	-20.003	293.075
44258_4259	44258	4259	0.442	1.273	2.707	1.882	51.508	-174.071
44259_4259	44259	4259	-0.444	-1.273	-2.707	-1.752	-51.508	174.073
44259_4260	44259	4260	0.444	23.834	2.707	1.752	82.411	-317.389
44260_4260	44260	4260	-0.447	21.399	-4.187	-3.274	-82.411	317.346
44260_4261	44260	4261	0.447	1.461	4.187	3.274	130.85	-202.028
44261_4261	44261	4261	-0.495	-1.461	-4.182	-0.928	-130.85	202.052
44261_4262	44261	4262	0.495	24.139	4.182	0.928	178.838	-348.933
44262_4262	44262	4262	-0.354	21.833	5.827	-5.124	-178.838	349.112
44262_4263	44262	4263	0.354	3.259	-5.827	5.124	104.856	-231.199
44263_4263	44263	4263	-0.355	-3.259	5.827	-5.135	-104.856	231.199
44263_4264	44263	4264	0.355	25.976	-5.827	5.135	37.878	-399.226
44264_4264	44264	4264	-0.697	26.493	-20.04	-2.729	-37.878	399.343

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44264_4265	44264	4265	0.697	-1.167	20.04	2.729	294.681	-222.116
44265_4265	44265	4265	-0.789	1.167	-20.036	-1.701	-294.681	222.126
44265_4266	44265	4266	0.789	22.255	20.036	1.701	532.154	-347.095
44266_4266	44266	4266	0.286	25.776	24.248	-2.301	-532.154	347.086
44266_4267	44266	4267	-0.286	-5.212	-24.248	2.301	279.848	-185.869
44267_4267	44267	4267	0.287	5.212	24.248	-2.291	-279.848	185.869
44267_4268	44267	4268	-0.287	12.791	-24.248	2.291	58.955	-220.393
44268_4268	44268	4268	0.036	20.724	4.385	0.426	-58.955	220.359
44268_4269	44268	4269	-0.036	6.033	-4.385	-0.426	0.513	-122.472
44269_4269	44269	4269	0.086	-6.033	4.385	1.823	-0.513	122.459
44269_4270	44269	4270	-0.086	27.32	-4.385	-1.823	-45.975	-299.265
44270_4270	44270	4270	-0.079	36.628	-1.901	0.869	45.975	298.899
44270_4271	44270	4271	0.079	-8.984	1.901	-0.869	-19.794	15.11
44271_4271	44271	4271	-0.078	8.984	-1.901	0.871	19.794	-15.109
44271_4272	44271	4272	0.078	11.916	1.901	-0.871	0	-0.153
44372_4372	44372	4372	-0.077	8.76	-1.288	0.565	0	0.145
44372_4373	44372	4373	0.077	9.732	1.288	-0.565	15.942	-6.155
44373_4373	44373	4373	-0.078	-9.732	-1.288	0.568	-15.942	6.154
44373_4374	44373	4374	0.078	27.435	1.288	-0.568	31.205	-226.343
44374_4374	44374	4374	-0.027	19.763	1.864	0.82	-31.205	226.05
44374_4375	44374	4375	0.027	-2.364	-1.864	-0.82	9.493	-97.219
44375_4375	44375	4375	-0.026	2.364	1.865	0.879	-9.493	97.219
44375_4376	44375	4376	0.026	13.016	-1.865	-0.879	-9.698	-152.038
44376_4376	44376	4376	0.014	15.665	-0.332	0.371	9.698	152.258
44376_4377	44376	4377	-0.014	1.28	0.332	-0.371	-5.936	-70.691
44377_4377	44377	4377	0.01	-1.28	-0.332	1.225	5.936	70.682
44377_4378	44377	4378	-0.01	17.883	0.332	-1.225	-2.247	-177.15
44378_4378	44378	4378	-0.102	17.487	0.276	0.906	2.247	177.114
44378_4379	44378	4379	0.102	0.145	-0.276	-0.906	-5.503	-74.796
44379_4379	44379	4379	-0.102	-0.145	0.276	0.879	5.503	74.797
44379_4380	44379	4380	0.102	18.416	-0.276	-0.879	-8.876	-188.275
44380_4380	44380	4380	-0.117	15.979	-0.078	0.52	8.876	188.362
44380_4381	44380	4381	0.117	0.296	0.078	-0.52	-8.022	-102.947
44381_4381	44381	4381	-0.117	-0.296	-0.078	1.29	8.022	102.94
44381_4382	44381	4382	0.117	14.886	0.078	-1.29	-7.265	-177.065
44382_4382	44382	4382	-0.125	18.464	-0.631	1.491	7.265	176.87
44382_4383	44382	4383	0.125	-1.035	0.631	-1.491	0.099	-63.15
44383_4383	44383	4383	-0.125	1.035	-0.631	1.52	-0.099	63.149
44383_4384	44383	4384	0.125	16.426	0.631	-1.52	7.475	-153.082
44384_4384	44384	4384	-0.119	18.015	-0.157	2.048	-7.475	152.977
44384_4385	44384	4385	0.119	0.514	0.157	-2.048	9.432	-43.56
44385_4385	44385	4385	-0.119	-0.514	-0.156	2.072	-9.432	43.558
44385_4386	44385	4386	0.119	15.647	0.156	-2.072	11.031	-126.084
44386_4386	44386	4386	-0.113	18.096	0.423	1.816	-11.031	126.371
44386_4387	44386	4387	0.113	-0.388	-0.423	-1.816	5.972	-15.92
44387_4387	44387	4387	-0.109	0.388	0.424	1.955	-5.972	15.903
44387_4388	44387	4388	0.109	17.766	-0.424	-1.955	0.773	-122.361
44388_4388	44388	4388	-0.105	18.28	0.621	1.685	-0.773	122.83
44388_4389	44388	4389	0.105	0.59	-0.621	-1.685	-7.139	-10.189
44389_4389	44389	4389	-0.105	-0.59	0.621	1.683	7.139	10.189
44389_4390	44389	4390	0.105	17.587	-0.621	-1.683	-14.265	-114.438
44390_4390	44390	4390	-0.102	17.969	0.399	1.121	14.265	114.371
44390_4391	44390	4391	0.102	1.539	-0.399	-1.121	-19.522	-6.216

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44391_4391	44391	4391	-0.099	-1.539	0.4	1.172	19.522	6.207
44391_4392	44391	4392	0.099	17.894	-0.4	-1.172	-23.939	-113.457
44392_4392	44392	4392	-0.102	17.456	0.073	0.492	23.939	113.498
44392_4393	44392	4393	0.102	0.915	-0.073	-0.492	-24.846	-10.958
44393_4393	44393	4393	-0.102	-0.915	0.073	0.496	24.846	10.958
44393_4394	44393	4394	0.102	18.403	-0.073	-0.496	-25.71	-124.954
44394_4394	44394	4394	-0.09	18.323	1.673	-0.282	25.71	124.765
44394_4395	44394	4395	0.09	-0.742	-1.673	0.282	-45.56	-11.659
44395_4395	44395	4395	-0.074	0.742	1.674	-0.169	45.56	11.662
44395_4396	44395	4396	0.074	17.527	-1.674	0.169	-66.197	-115.131
44396_4396	44396	4396	-0.105	12.963	-3.06	-0.978	66.197	115.467
44396_4397	44396	4397	0.105	4.953	3.06	0.978	-29.199	-67.039
44397_4397	44397	4397	-0.104	-4.953	-3.06	-1.006	29.199	67.039
44397_4398	44397	4398	0.104	22.899	3.06	1.006	7.859	-235.694
44398_4398	44398	4398	-0.082	30.147	0.261	-0.749	-7.859	235.502
44398_4399	44398	4399	0.082	-11.383	-0.261	0.749	4.558	27.448
44399_4399	44399	4399	-0.081	11.383	0.261	-0.841	-4.558	-27.445
44399_4400	44399	4400	0.081	7.32	-0.261	0.841	1.264	53.089
44400_4400	44400	4400	-0.08	-7.32	0.261	-0.888	-1.264	-53.088
44400_4401	44400	4401	0.08	14.499	-0.261	0.888	0	0.231
44572_4572	44572	4572	-0.022	8.847	-0.191	0.708	0	-0.02
44572_4573	44572	4573	0.022	9.654	0.191	-0.708	2.364	-4.974
44573_4573	44573	4573	-0.022	-9.654	-0.191	0.71	-2.364	4.973
44573_4574	44573	4574	0.022	27.228	0.191	-0.71	4.609	-221.871
44574_4574	44574	4574	-0.027	19.274	0.105	0.595	-4.609	222.014
44574_4575	44574	4575	0.027	-2.157	-0.105	-0.595	3.403	-99.26
44575_4575	44575	4575	-0.027	2.157	0.105	0.635	-3.403	99.26
44575_4576	44575	4576	0.027	13.061	-0.105	-0.635	2.332	-154.793
44576_4576	44576	4576	-0.032	15.917	0.256	0.284	-2.332	154.877
44576_4577	44576	4577	0.032	1.077	-0.256	-0.284	-0.576	-70.48
44577_4577	44577	4577	-0.028	-1.077	0.256	1.196	0.576	70.47
44577_4578	44577	4578	0.028	17.961	-0.256	-1.196	-3.47	-178.036
44578_4578	44578	4578	0.101	17.294	0.529	0.779	3.47	178.05
44578_4579	44578	4579	-0.101	0.041	-0.529	-0.779	-9.607	-77.963
44579_4579	44579	4579	0.101	-0.041	0.529	0.724	9.607	77.964
44579_4580	44579	4580	-0.101	18.488	-0.529	-0.724	-16.138	-192.34
44580_4580	44580	4580	0.075	16.454	-0.664	0.526	16.138	192.362
44580_4581	44580	4581	-0.075	-0.232	0.664	-0.526	-8.925	-101.784
44581_4581	44581	4581	0.071	0.232	-0.665	1.093	8.925	101.779
44581_4582	44581	4582	-0.071	14.315	0.665	-1.093	-2.453	-170.333
44582_4582	44582	4582	0.07	18.33	-0.276	1.14	2.453	170.47
44582_4583	44582	4583	-0.07	-1.214	0.276	-1.14	0.705	-58.535
44583_4583	44583	4583	0.07	1.214	-0.276	1.188	-0.705	58.534
44583_4584	44583	4584	-0.07	16.395	0.276	-1.188	3.955	-147.986
44584_4584	44584	4584	0.063	17.869	-0.622	1.469	-3.955	148.135
44584_4585	44584	4585	-0.063	0.515	0.622	-1.469	11.677	-40.486
44585_4585	44585	4585	0.063	-0.515	-0.622	1.476	-11.677	40.485
44585_4586	44585	4586	-0.063	15.698	0.622	-1.476	18.054	-123.549
44586_4586	44586	4586	0.07	18.027	0.8	1.496	-18.054	123.198
44586_4587	44586	4587	-0.07	-0.535	-0.8	-1.496	8.613	-13.641
44587_4587	44587	4587	0.076	0.535	0.799	1.591	-8.613	13.63
44587_4588	44587	4588	-0.076	17.73	-0.799	-1.591	-1.24	-119.611
44588_4588	44588	4588	0.07	18.115	0.385	1.372	1.24	119.236

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44588_4589	44588	4589	-0.07	0.582	-0.385	-1.372	-6.101	-8.623
44589_4589	44589	4589	0.07	-0.582	0.385	1.362	6.101	8.625
44589_4590	44589	4590	-0.07	17.629	-0.385	-1.362	-10.534	-113.38
44590_4590	44590	4590	0.072	17.868	0.379	0.969	10.534	113.529
44590_4591	44590	4591	-0.072	1.528	-0.379	-0.969	-15.49	-6.585
44591_4591	44591	4591	0.075	-1.528	0.378	1.02	15.49	6.577
44591_4592	44591	4592	-0.075	17.891	-0.378	-1.02	-19.665	-113.795
44592_4592	44592	4592	0.074	17.415	0.33	0.538	19.665	113.844
44592_4593	44592	4593	-0.074	0.705	-0.33	-0.538	-23.696	-11.669
44593_4593	44593	4593	0.074	-0.705	0.33	0.528	23.696	11.67
44593_4594	44593	4594	-0.074	18.332	-0.33	-0.528	-27.618	-124.906
44594_4594	44594	4594	0.081	17.927	0.81	-0.11	27.618	124.449
44594_4595	44594	4595	-0.081	-0.335	-0.81	0.11	-37.232	-16.037
44595_4595	44595	4595	0.087	0.335	0.809	0.02	37.232	16.037
44595_4596	44595	4596	-0.087	17.815	-0.809	-0.02	-47.143	-123.095
44596_4596	44596	4596	0.06	14.074	-1.751	-0.276	47.143	122.995
44596_4597	44596	4597	-0.06	3.822	1.751	0.276	-25.998	-61.083
44597_4597	44597	4597	0.062	-3.822	-1.751	-0.335	25.998	61.083
44597_4598	44597	4598	-0.062	21.667	1.751	0.335	-4.912	-214.564
44598_4598	44598	4598	0.053	27.863	-0.183	-0.322	4.912	214.7
44598_4599	44598	4599	-0.053	-9.138	0.183	0.322	-2.595	19.083
44599_4599	44599	4599	0.052	9.138	-0.184	-0.379	2.595	-19.082
44599_4600	44599	4600	-0.052	9.494	0.184	0.379	-0.288	16.842
44600_4600	44600	4600	0.052	-9.494	-0.184	-0.407	0.288	-16.842
44600_4601	44600	4601	-0.052	11.817	0.184	0.407	0	0.141
45000_5000	45000	5000	5.533	457.955	3.479	5.171	0	23.739
45000_5001	45000	5001	-5.533	-420.855	-3.479	-5.171	-44.266	5566.703
45001_5001	45001	5001	5.538	420.855	3.472	-2.309	44.266	-5566.71
45001_5002	45001	5002	-5.538	-392.028	-3.472	2.309	-78.588	9584.723
45002_5002	45002	5002	5.502	340.949	-3.459	11.965	78.588	-9584.86
45002_5003	45002	5003	-5.502	-305.535	3.459	-11.965	-36.586	13510.49
45003_5003	45003	5003	5.496	305.535	-3.467	-8.657	36.586	-13510.5
45003_5004	45003	5004	-5.496	-270.158	3.467	8.657	5.475	17002.65
45004_5004	45004	5004	5.518	224.981	1.053	9.813	-5.475	-17002.9
45004_5005	45004	5005	-5.518	-189.582	-1.053	-9.813	-7.309	19519.2
45005_5005	45005	5005	5.519	189.582	1.048	-8.175	7.309	-19519.2
45005_5006	45005	5006	-5.519	-154.158	-1.048	8.175	-20.04	21607.08
45006_5006	45006	5006	5.514	105.42	-0.3	18.846	20.04	-21607.3
45006_5007	45006	5007	-5.514	-70.028	0.3	-18.846	-16.398	22672.02
45007_5007	45007	5007	5.513	70.028	-0.309	-18.225	16.398	-22672
45007_5008	45007	5008	-5.513	-34.644	0.309	18.225	-12.648	23307.08
45008_5008	45008	5008	5.522	-12.395	0.94	18.484	12.648	-23307.4
45008_5009	45008	5009	-5.522	47.804	-0.94	-18.484	-24.062	22941.88
45009_5009	45009	5009	5.524	-47.804	0.931	-19.021	24.062	-22941.9
45009_5010	45009	5010	-5.524	83.207	-0.931	19.021	-35.364	22146.6
45010_5010	45010	5010	5.52	-130.428	-0.094	-0.774	35.364	-22147
45010_5011	45010	5011	-5.52	165.824	0.094	0.774	-34.224	20348.99
45011_5011	45011	5011	5.52	-165.824	-0.094	-0.774	34.224	-20349
45011_5012	45011	5012	-5.52	201.219	0.094	0.774	-33.084	18121.39
45012_5012	45012	5012	5.52	-247.667	-0.056	4.186	33.084	-18121.7
45012_5013	45012	5013	-5.52	283.081	0.056	-4.186	-32.401	14898.86
45013_5013	45013	5013	5.52	-283.081	-0.06	-6.562	32.401	-14898.9
45013_5014	45013	5014	-5.52	318.463	0.06	6.562	-31.67	11249.48

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45014_5014	45014	5014	5.528	-364.35	1.224	1.339	31.67	-11249.6
45014_5015	45014	5015	-5.528	411.44	-1.224	-1.339	-51.438	4985.618
45015_5015	45015	5015	10.208	-411.348	1.22	-3.525	51.404	-4982.11
45015_5016	45015	5016	-10.464	433.838	-1.22	3.525	-61.476	1493.517
45016_5016	45016	5016	21.282	-479.991	-0.559	-2.03	61.478	-1495.13
45016_5017	45016	5017	-22.335	512.077	0.559	2.03	-54.905	-4333.63
45017_5017	45017	5017	36.651	-511.243	-0.564	0.336	55.065	4333.844
45017_5018	45017	5018	-39.019	550.137	0.564	-0.336	-47.568	-11384.1
45018_5018	45018	5018	58.439	-592.798	0.179	-9.253	46.825	11384.06
45018_5019	45018	5019	-61.87	631.244	-0.179	9.253	-49.062	-19054.2
45019_5019	45019	5019	79.184	-629.304	0.173	7.792	50.939	19054.18
45019_5020	45019	5020	-83.979	670.273	-0.173	-7.792	-53.117	-27232.4
45020_5020	45020	5020	-2531.46	207.11	-15.894	-2.113	393.315	5866.656
45020_5021	45020	5021	2531.462	-180.548	15.894	2.113	-242.382	-4026.05
45021_5021	45021	5021	-2531.47	180.548	-15.492	-1.28	242.382	4019.247
45021_5022	45021	5022	2531.465	-160.963	15.492	1.28	-122.229	-2694.93
45022_5022	45022	5022	-2531.48	160.963	-12.597	1.802	122.229	2694.931
45022_5023	45022	5023	2531.481	-141.405	12.597	-1.802	-24.672	-1524.07
45023_5023	45023	5023	-2531.5	97.945	-6.36	-0.037	24.672	1524.069
45023_5024	45023	5024	2531.502	-77.732	6.36	0.037	26.238	-820.994
45024_5024	45024	5024	-2531.49	77.732	-9.841	-1.166	-26.238	820.993
45024_5025	45024	5025	2531.49	-57.541	9.841	1.166	104.923	-280.219
45025_5025	45025	5025	-2531.51	57.541	-3.215	-0.432	-104.923	280.221
45025_5026	45025	5026	2531.508	-37.331	3.215	0.432	130.651	99.416
45026_5026	45026	5026	-2531.51	-9.046	-2.584	-0.711	-130.651	-99.415
45026_5027	45026	5027	2531.511	24.203	2.584	0.711	146.162	-0.369
45027_5027	45027	5027	-2531.51	-24.203	-3.021	-0.711	-146.162	0.369
45027_5028	45027	5028	2531.511	39.335	3.021	0.711	164.263	-190.736
45028_5028	45028	5028	-2531.51	-39.335	-2.584	-0.678	-164.263	190.736
45028_5029	45028	5029	2531.511	54.493	2.584	0.678	179.775	-472.319
45029_5029	45029	5029	-2531.51	-54.493	1.611	0.105	-179.775	472.32
45029_5030	45029	5030	2531.512	69.647	-1.611	-0.105	170.105	-844.806
45030_5030	45030	5030	-2531.52	-115.745	1.09	-1.985	-170.105	844.782
45030_5031	45030	5031	2531.522	135.95	-1.09	1.985	161.385	-1851.7
45031_5031	45031	5031	-2531.52	-135.95	4.238	0.318	-161.385	1851.705
45031_5032	45031	5032	2531.519	156.153	-4.238	-0.318	127.481	-3020.13
45032_5032	45032	5032	-2531.52	-156.153	4.238	0.318	-127.481	3020.134
45032_5033	45032	5033	2531.519	176.356	-4.238	-0.318	93.577	-4350.19
45033_5033	45033	5033	-2531.47	-220.709	12.498	-2.95	-93.577	4350.3
45033_5034	45033	5034	2531.47	240.273	-12.498	2.95	-3.249	-6136
45034_5034	45034	5034	-2531.47	-240.273	12.498	-2.95	3.249	6135.999
45034_5035	45034	5035	2531.47	259.838	-12.498	2.95	-100.074	-8073.27
45035_5035	45035	5035	-2531.46	-259.838	15.036	5.216	100.074	8080.428
45035_5036	45035	5036	2531.456	286.34	-15.036	-5.216	-242.537	-10667.9
45036_5036	45036	5036	85.85	556.105	0.915	-31.066	-4.622	33347.63
45036_5037	45036	5037	-81.055	-515.059	-0.915	31.066	-6.915	-26594.9
45037_5037	45037	5037	66.919	517.11	0.869	27.911	0.799	26594.91
45037_5038	45037	5038	-63.487	-478.604	-0.869	-27.911	-11.701	-20346.4
45038_5038	45038	5038	47.644	440.936	-0.414	-6.48	14.535	20347.17
45038_5039	45038	5039	-45.276	-402.089	0.414	6.48	-9.036	-14754.3
45039_5039	45039	5039	33.379	403.135	-0.449	17.958	8.167	14716.93
45039_5040	45039	5040	-32.338	-371.39	0.449	-17.958	-2.884	-10165
45040_5040	45040	5040	24.216	322.503	0.48	-3.345	3.384	10165.59

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45040_5041	45040	5041	-23.966	-300.481	-0.48	3.345	-7.345	-7597.5
45041_5041	45041	5041	20.735	300.831	0.467	1.515	7.319	7586.884
45041_5042	45041	5042	-20.735	-263.197	-0.467	-1.515	-14.655	-3152.43
45042_5042	45042	5042	20.73	215.585	-0.517	0.041	14.655	3152.484
45042_5043	45042	5043	-20.73	-187.041	0.517	-0.041	-8.492	-751.558
45043_5043	45043	5043	20.73	187.041	-0.517	0.041	8.492	751.558
45043_5044	45043	5044	-20.73	-158.498	0.517	-0.041	-2.328	1308.946
45044_5044	45044	5044	20.734	113.624	0.069	0.237	2.328	-1308.96
45044_5045	45044	5045	-20.734	-85.062	-0.069	-0.237	-3.156	2494.484
45045_5045	45045	5045	20.734	85.062	0.071	0.416	3.156	-2494.48
45045_5046	45045	5046	-20.734	-56.525	-0.071	-0.416	-4.001	3338.607
45046_5046	45046	5046	20.734	11.257	0.113	3.158	4.001	-3338.66
45046_5047	45046	5047	-20.734	17.3	-0.113	-3.158	-5.345	3302.604
45047_5047	45047	5047	20.734	-17.3	0.079	-2.132	5.345	-3302.61
45047_5048	45047	5048	-20.734	45.83	-0.079	2.132	-6.292	2926.34
45048_5048	45048	5048	20.732	-90.743	-0.261	2.057	6.292	-2926.39
45048_5049	45048	5049	-20.732	119.295	0.261	-2.057	-3.18	1673.565
45049_5049	45049	5049	20.732	-119.295	-0.296	-0.74	3.18	-1673.57
45049_5050	45049	5050	-20.732	147.842	0.296	0.74	0.345	80.377
45050_5050	45050	5050	20.733	-192.007	0.479	-0.617	-0.345	-80.413
45050_5051	45050	5051	-20.733	229.604	-0.479	0.617	-7.177	-3231.14
45051_5051	45051	5051	23.547	-229.242	0.45	3.856	7.215	3234.805
45051_5052	45051	5052	-23.778	249.6	-0.45	-3.856	-10.927	-5211.28
45052_5052	45052	5052	30.977	-294.568	0.129	-5.55	10.706	5211.229
45052_5053	45052	5053	-31.937	323.819	-0.129	5.55	-12.226	-8844.25
45053_5053	45053	5053	41.308	-322.647	0.09	10.884	13.096	8851.527
45053_5054	45053	5054	-43.603	360.193	-0.09	-10.884	-14.287	-13381.7
45054_5054	45054	5054	57.578	-399.486	-0.033	-13.424	12.423	13381.53
45054_5055	45054	5055	-60.895	436.612	0.033	13.424	-12.005	-18628.9
45055_5055	45055	5055	73.045	-434.687	-0.066	15.749	15.147	18628.9
45055_5056	45055	5056	-77.663	474.066	0.066	-15.749	-14.308	-24347.8
45056_5056	45056	5056	-2079.37	264.854	-8.3	0.77	158.992	8031.196
45056_5057	45056	5057	2079.366	-239.121	8.3	-0.77	-80.198	-5638.91
45057_5057	45057	5057	-2079.36	239.121	-9.131	-1.392	80.198	5605.473
45057_5058	45057	5058	2079.363	-218.577	9.131	1.392	-9.441	-3832
45058_5058	45058	5058	-2079.37	218.577	-6.454	3.54	9.441	3831.995
45058_5059	45058	5059	2079.373	-198.035	6.454	-3.54	40.569	-2217.87
45059_5059	45059	5059	-2079.37	156.282	-7.483	-0.768	-40.569	2217.868
45059_5060	45059	5060	2079.372	-135.049	7.483	0.768	100.508	-1051.15
45060_5060	45060	5060	-2079.38	135.049	-2.478	1.762	-100.508	1051.145
45060_5061	45060	5061	2079.384	-113.845	2.478	-1.762	120.331	-55.787
45061_5061	45061	5061	-2079.38	113.845	-2.478	1.762	-120.331	55.787
45061_5062	45061	5062	2079.384	-92.642	2.478	-1.762	140.153	769.98
45062_5062	45062	5062	-2079.39	48.945	-0.633	1.846	-140.153	-769.937
45062_5063	45062	5063	2079.387	-33.03	0.633	-1.846	143.951	1015.997
45063_5063	45063	5063	-2079.39	33.03	-0.864	1.959	-143.951	-1016
45063_5064	45063	5064	2079.387	-17.141	0.864	-1.959	149.127	1166.343
45064_5064	45064	5064	-2079.39	17.141	2.824	-0.109	-149.127	-1166.34
45064_5065	45064	5065	2079.385	-1.228	-2.824	0.109	132.177	1221.477
45065_5065	45065	5065	-2079.39	1.228	2.824	-0.109	-132.177	-1221.48
45065_5066	45065	5066	2079.385	14.685	-2.824	0.109	115.226	1181.087
45066_5066	45066	5066	-2079.39	-58.649	4.727	0.842	-115.226	-1180.99
45066_5067	45066	5067	2079.386	79.847	-4.727	-0.842	77.429	627.261

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45067_5067	45067	5067	-2079.39	-79.847	4.727	0.842	-77.429	-627.261
45067_5068	45067	5068	2079.386	101.045	-4.727	-0.842	39.632	-95.97
45068_5068	45068	5068	-2079.38	-101.045	7.485	0.969	-39.632	95.969
45068_5069	45068	5069	2079.378	122.268	-7.485	-0.969	-20.286	-989.85
45069_5069	45069	5069	-2079.36	-163.276	9.941	-2.49	20.286	989.918
45069_5070	45069	5070	2079.361	183.808	-9.941	2.49	-97.279	-2333.98
45070_5070	45070	5070	-2079.35	-183.808	12.784	0.701	97.279	2333.985
45070_5071	45070	5071	2079.345	204.365	-12.784	-0.701	-196.408	-3838.98
45071_5071	45071	5071	-2079.34	-204.365	14.02	3.28	196.408	3868.515
45071_5072	45071	5072	2079.337	230.106	-14.02	-3.28	-329.562	-5931.63
45072_5072	45072	5072	86.097	509.477	0.11	-11.429	37.723	21970.16
45072_5073	45072	5073	-81.479	-470.102	-0.11	11.429	-39.103	-15807
45073_5073	45073	5073	68.425	472.23	0.069	12.665	36.394	15807
45073_5074	45073	5074	-65.108	-435.115	-0.069	-12.665	-37.253	-10114.8
45074_5074	45074	5074	50.47	399.149	0.044	2.372	38.265	10115.09
45074_5075	45074	5075	-48.176	-361.59	-0.044	-2.372	-38.853	-5066.74
45075_5075	45075	5075	37.194	362.958	-0.011	10.766	38.665	5066.12
45075_5076	45075	5076	-36.265	-334.656	0.011	-10.766	-38.54	-966.915
45076_5076	45076	5076	28.85	289.902	-0.233	0.649	38.755	967.075
45076_5077	45076	5077	-28.627	-270.222	0.233	-0.649	-36.836	1344.159
45077_5077	45077	5077	25.676	270.615	-0.264	-1.44	36.856	-1349.67
45077_5078	45077	5078	-25.676	-234.557	0.264	1.44	-33.087	4951.61
45078_5078	45078	5078	25.674	194.079	-0.353	6.512	33.087	-4951.72
45078_5079	45078	5079	-25.674	-165.721	0.353	-6.512	-29.127	6969.3
45079_5079	45079	5079	25.673	165.721	-0.399	-5.901	29.127	-6969.3
45079_5080	45079	5080	-25.673	-137.365	0.399	5.901	-24.654	8668.704
45080_5080	45080	5080	25.675	97.671	-0.039	8.775	24.654	-8668.79
45080_5081	45080	5081	-25.675	-69.316	0.039	-8.775	-24.212	9605.083
45081_5081	45081	5081	25.675	69.316	-0.085	-8.335	24.212	-9605.08
45081_5082	45081	5082	-25.675	-40.963	0.085	8.335	-23.257	10223.36
45082_5082	45082	5082	25.674	-0.233	-0.271	0.342	23.257	-10223.5
45082_5083	45082	5083	-25.674	30.685	0.271	-0.342	-19.995	10037.34
45083_5083	45083	5083	25.674	-30.685	-0.272	-0.045	19.995	-10037.3
45083_5084	45083	5084	-25.674	61.162	0.272	0.045	-16.718	9483.831
45084_5084	45084	5084	25.673	-102.347	-0.275	7.349	16.718	-9483.98
45084_5085	45084	5085	-25.673	130.696	0.275	-7.349	-13.634	8177.634
45085_5085	45085	5085	25.673	-130.696	-0.321	-7.226	13.634	-8177.63
45085_5086	45085	5086	-25.673	159.042	0.321	7.226	-10.038	6553.612
45086_5086	45086	5086	25.673	-198.453	-0.186	3.809	10.038	-6553.68
45086_5087	45086	5087	-25.673	226.799	0.186	-3.809	-7.951	4170.079
45087_5087	45087	5087	25.673	-226.799	-0.233	-3.777	7.951	-4170.08
45087_5088	45087	5088	-25.673	255.169	0.233	3.777	-5.338	1466.375
45088_5088	45088	5088	25.677	-293.302	0.114	-1.519	5.338	-1466.37
45088_5089	45088	5089	-25.677	327.997	-0.114	1.519	-6.9	-2796.06
45089_5089	45089	5089	29.508	-327.603	0.081	1.951	6.92	2806.48
45089_5090	45089	5090	-29.744	348.39	-0.081	-1.951	-7.588	-5593.81
45090_5090	45090	5090	38.767	-390.344	-0.42	-11.594	7.196	5593.732
45090_5091	45090	5091	-39.748	420.246	0.42	11.594	-2.264	-10357.6
45091_5091	45091	5091	51.677	-418.843	-0.473	9.661	3.233	10358.44
45091_5092	45091	5092	-53.927	455.773	0.473	-9.661	3.042	-16161.6
45092_5092	45092	5092	70.471	-494.878	-0.375	-9.371	-4.47	16161.41
45092_5093	45092	5093	-73.728	531.397	0.375	9.371	9.17	-22598.4
45093_5093	45093	5093	88.385	-529.111	-0.396	9.434	-7.242	22598.42

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45093_5094	45093	5094	-92.926	567.917	0.396	-9.434	12.227	-29503.8
45094_5094	45094	5094	-2377.32	235.409	-6.449	-3.461	69.508	8656.194
45094_5095	45094	5095	2377.315	-210.118	6.449	3.461	-8.275	-6541.04
45095_5095	45095	5095	-2377.32	210.118	-5.48	-0.813	8.275	6543.966
45095_5096	45095	5096	2377.317	-190.058	5.48	0.813	34.219	-4992.48
45096_5096	45096	5096	-2377.32	190.058	-2.511	5.423	-34.219	4992.477
45096_5097	45096	5097	2377.322	-170.024	2.511	-5.423	53.662	-3598.29
45097_5097	45097	5097	-2377.33	129.942	0.327	-0.83	-53.662	3598.255
45097_5098	45097	5098	2377.327	-109.236	-0.327	0.83	51.041	-2641.11
45098_5098	45098	5098	-2377.33	109.236	0.327	-0.83	-51.041	2641.112
45098_5099	45098	5099	2377.327	-88.53	-0.327	0.83	48.42	-1849.69
45099_5099	45099	5099	-2377.32	88.53	3.211	1.414	-48.42	1849.693
45099_5100	45099	5100	2377.324	-67.85	-3.211	-1.414	22.753	-1224.7
45100_5100	45100	5100	-2377.33	25.401	3.769	1.75	-22.753	1224.697
45100_5101	45100	5101	2377.325	-9.872	-3.769	-1.75	0.129	-1118.84
45101_5101	45101	5101	-2377.32	9.872	7.728	3.613	-0.129	1118.833
45101_5102	45101	5102	2377.315	5.657	-7.728	-3.613	-46.257	-1106.18
45102_5102	45102	5102	-2377.31	-5.657	-8.106	-3.755	46.257	1106.183
45102_5103	45102	5103	2377.314	21.188	8.106	3.755	2.407	-1186.76
45103_5103	45103	5103	-2377.32	-21.188	-4.274	-1.841	-2.407	1186.765
45103_5104	45103	5104	2377.324	36.692	4.274	1.841	28.019	-1360.2
45104_5104	45104	5104	-2377.33	-79.413	-2.81	-1.722	-28.019	1360.209
45104_5105	45104	5105	2377.326	100.12	2.81	1.722	50.513	-2078.69
45105_5105	45105	5105	-2377.33	-100.12	0.069	0.796	-50.513	2078.693
45105_5106	45105	5106	2377.327	120.8	-0.069	-0.796	49.959	-2961.67
45106_5106	45106	5106	-2377.33	-120.8	0.158	0.907	-49.959	2961.668
45106_5107	45106	5107	2377.327	141.507	-0.158	-0.907	48.69	-4011.37
45107_5107	45107	5107	-2377.32	-181.437	4.508	-2.992	-48.69	4011.424
45107_5108	45107	5108	2377.321	201.495	-4.508	2.992	13.739	-5495.89
45108_5108	45108	5108	-2377.32	-201.495	4.421	-3.194	-13.739	5495.887
45108_5109	45108	5109	2377.321	221.528	-4.421	3.194	-20.493	-7133.65
45109_5109	45109	5109	-2377.32	-221.528	6.928	4.341	20.493	7129.754
45109_5110	45109	5110	2377.315	246.841	-6.928	-4.341	-86.333	-9355.34
45110_5110	45110	5110	87.464	549.839	0.009	-18.827	10.508	30348.93
45110_5111	45110	5111	-82.923	-511.043	-0.009	18.827	-10.628	-23673.3
45111_5111	45111	5111	68.805	513.186	-0.026	18.124	6.72	23673.3
45111_5112	45111	5112	-65.548	-476.678	0.026	-18.124	-6.388	-17467
45112_5112	45112	5112	49.928	442.76	0.172	-3.31	8.223	17467.38
45112_5113	45112	5113	-47.678	-405.817	-0.172	3.31	-10.511	-11835.1
45113_5113	45113	5113	35.593	407.171	0.144	11.022	10.012	11842.33
45113_5114	45113	5114	-34.621	-377.558	-0.144	-11.022	-11.698	-7229.06
45114_5114	45114	5114	26.385	334.227	0.253	-0.444	11.981	7229.305
45114_5115	45114	5115	-26.151	-313.662	-0.253	0.444	-14.062	-4559.33
45115_5115	45115	5115	22.744	314.012	0.246	0.586	14.06	4546.183
45115_5116	45115	5116	-22.744	-280.478	-0.246	-0.586	-17.571	-312.533
45116_5116	45116	5116	22.743	239.53	-0.637	1.174	17.571	312.534
45116_5117	45116	5117	-22.743	-213.132	0.637	-1.174	-10.435	2225.081
45117_5117	45117	5117	22.743	213.132	-0.657	-0.81	10.435	-2225.08
45117_5118	45117	5118	-22.743	-186.735	0.657	0.81	-3.071	4466.692
45118_5118	45118	5118	22.743	147.8	0.257	2.984	3.071	-4466.7
45118_5119	45118	5119	-22.743	-121.404	-0.257	-2.984	-5.947	5975.785
45119_5119	45119	5119	22.743	121.404	0.236	-2.346	5.947	-5975.79
45119_5120	45119	5120	-22.743	-95.008	-0.236	2.346	-8.597	7188.914

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45120_5120	45120	5120	22.744	54.528	-0.331	9.869	8.597	-7188.91
45120_5121	45120	5121	-22.744	-26.154	0.331	-9.869	-4.612	7675.07
45121_5121	45121	5121	22.743	26.154	-0.387	-9.156	4.612	-7675.07
45121_5122	45121	5122	-22.743	2.195	0.387	9.156	0.049	7819.314
45122_5122	45122	5122	22.743	-41.934	-0.046	3.599	-0.049	-7819.32
45122_5123	45122	5123	-22.743	68.329	0.046	-3.599	0.562	7201.255
45123_5123	45123	5123	22.743	-68.329	-0.066	-2.824	-0.562	-7201.26
45123_5124	45123	5124	-22.743	94.723	0.066	2.824	1.303	6287.297
45124_5124	45124	5124	22.742	-132.859	-0.014	4.505	-1.303	-6287.3
45124_5125	45124	5125	-22.742	159.253	0.014	-4.505	1.463	4649.93
45125_5125	45125	5125	22.741	-159.253	-0.055	-3.791	-1.463	-4649.93
45125_5126	45125	5126	-22.741	185.647	0.055	3.791	2.077	2716.705
45126_5126	45126	5126	22.737	-221.317	-0.615	-0.054	-2.077	-2716.72
45126_5127	45126	5127	-22.737	253.503	0.615	0.054	10.487	-528.76
45127_5127	45127	5127	25.773	-253.148	-0.644	0.914	-10.481	536.015
45127_5128	45127	5128	-25.987	272.052	0.644	-0.914	15.792	-2702.61
45128_5128	45128	5128	33.29	-308.407	1.441	-4.425	-15.957	2702.518
45128_5129	45128	5129	-34.182	335.618	-1.441	4.425	-0.988	-6487.95
45129_5129	45129	5129	43.772	-334.377	1.394	8.998	1.685	6485.735
45129_5130	45129	5130	-45.951	370.148	-1.394	-8.998	-20.185	-11160.7
45130_5130	45130	5130	59.951	-407.447	-3.661	-6.665	19.061	11160.58
45130_5131	45130	5131	-63.11	442.876	3.661	6.665	26.874	-16494.9
45131_5131	45131	5131	75.389	-440.908	-3.679	7.194	-25.489	16494.92
45131_5132	45131	5132	-79.801	478.594	3.679	-7.194	71.783	-22279.5
45132_5132	45132	5132	-2004.56	227.11	22.903	9.653	-290.274	6479.22
45132_5133	45132	5133	2004.562	-202.64	-22.903	-9.653	72.7	-4437.91
45133_5133	45133	5133	-2004.53	202.64	25.489	15.501	-72.7	4469.678
45133_5134	45133	5134	2004.531	-184.389	-25.489	-15.501	-124.841	-2969.94
45134_5134	45134	5134	-2004.69	184.389	-0.346	-22.775	124.841	2969.892
45134_5135	45134	5135	2004.693	-166.114	0.346	22.775	-122.154	-1609.85
45135_5135	45135	5135	-2004.68	118.123	-3.515	-0.503	122.154	1610.221
45135_5136	45135	5136	2004.68	-99.282	3.515	0.503	-94.035	-740.548
45136_5136	45136	5136	-2004.68	99.282	-1.009	0.423	94.035	740.548
45136_5137	45136	5137	2004.683	-80.442	1.009	-0.423	-85.961	-21.618
45137_5137	45137	5137	-2004.68	80.442	-3.543	0.396	85.961	21.618
45137_5138	45137	5138	2004.68	-61.625	3.543	-0.396	-57.652	545.972
45138_5138	45138	5138	-2004.69	16.468	-2.977	0.554	57.652	-546.1
45138_5139	45138	5139	2004.691	-2.337	2.977	-0.554	-39.79	602.52
45139_5139	45139	5139	-2004.69	2.337	0.364	-0.45	39.79	-602.52
45139_5140	45139	5140	2004.693	11.793	-0.364	0.45	-41.974	574.153
45140_5140	45140	5140	-2004.69	-11.793	-2.977	0.506	41.974	-574.153
45140_5141	45140	5141	2004.691	25.923	2.977	-0.506	-24.113	460.998
45141_5141	45141	5141	-2004.69	-25.923	0.364	-0.262	24.113	-460.998
45141_5142	45141	5142	2004.693	40.053	-0.364	0.262	-26.297	263.058
45142_5142	45142	5142	-2004.69	-84.402	-2.119	0.07	26.297	-263.175
45142_5143	45142	5143	2004.694	103.242	2.119	-0.07	-9.343	-487.451
45143_5143	45143	5143	-2004.69	-103.242	-2.119	0.07	9.343	487.451
45143_5144	45143	5144	2004.694	122.083	2.119	-0.07	7.611	-1388.81
45144_5144	45144	5144	-2004.69	-122.083	-2.119	0.07	-7.611	1388.81
45144_5145	45144	5145	2004.694	140.924	2.119	-0.07	24.565	-2440.9
45145_5145	45145	5145	-2004.69	-181.533	-0.558	1.947	-24.565	2440.809
45145_5146	45145	5146	2004.687	199.785	0.558	-1.947	28.888	-3918.5
45146_5146	45146	5146	-2004.69	-199.785	-0.558	1.947	-28.888	3918.497

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45146_5147	45146	5147	2004.687	218.037	0.558	-1.947	33.211	-5537.64
45147_5147	45147	5147	-2004.69	-218.037	-3.076	-4.907	-33.211	5509.848
45147_5148	45147	5148	2004.685	242.509	3.076	4.907	62.436	-7697.59
45148_5148	45148	5148	77.351	463.278	0.09	-7.676	-10.544	23869
45148_5149	45148	5149	-72.938	-425.59	-0.09	7.676	9.411	-18277.4
45149_5149	45149	5149	61.122	427.488	0.072	7.145	-10.964	18277.44
45149_5150	45149	5150	-57.962	-392.058	-0.072	-7.145	10.061	-13136.4
45150_5150	45150	5150	44.962	362.304	0.153	-0.487	-9.351	13136.4
45150_5151	45150	5151	-42.782	-326.532	-0.153	0.487	7.317	-8565.55
45151_5151	45151	5151	32.752	327.667	0.147	1.771	-7.382	8547.414
45151_5152	45151	5152	-31.835	-299.713	-0.147	-1.771	5.65	-4859.98
45152_5152	45152	5152	25.285	257.464	0.082	-0.075	-5.602	4859.951
45152_5153	45152	5153	-25.064	-238.038	-0.082	0.075	4.928	-2815.82
45153_5153	45153	5153	22.526	238.406	0.082	-0.035	-4.929	2811.968
45153_5154	45153	5154	-22.526	-207.054	-0.082	0.035	3.803	248.527
45154_5154	45154	5154	22.526	165.385	0.127	0.025	-3.803	-248.526
45154_5155	45154	5155	-22.526	-140.285	-0.127	-0.025	2.408	1929.81
45155_5155	45155	5155	22.526	140.285	0.127	0.025	-2.408	-1929.81
45155_5156	45155	5156	-22.526	-115.185	-0.127	-0.025	1.014	3334.977
45156_5156	45156	5156	22.528	75.556	-0.09	0.041	-1.014	-3334.98
45156_5157	45156	5157	-22.528	-52.715	0.09	-0.041	1.916	3977.014
45157_5157	45157	5157	22.528	52.715	-0.09	0.085	-1.916	-3977.01
45157_5158	45157	5158	-22.528	-29.897	0.09	-0.085	2.815	4390.096
45158_5158	45158	5158	22.525	-8.068	0.106	-1.949	-2.815	-4390.1
45158_5159	45158	5159	-22.525	30.909	-0.106	1.949	1.756	4195.009
45159_5159	45159	5159	22.525	-30.909	0.128	2.241	-1.756	-4195.01
45159_5160	45159	5160	-22.525	53.75	-0.128	-2.241	0.472	3771.263
45160_5160	45160	5160	22.522	-93.901	0.374	0.115	-0.472	-3771.28
45160_5161	45160	5161	-22.522	119.001	-0.374	-0.115	-3.64	2600.25
45161_5161	45161	5161	22.522	-119.001	0.374	0.115	3.64	-2600.25
45161_5162	45161	5162	-22.522	144.101	-0.374	-0.115	-7.752	1153.101
45162_5162	45162	5162	22.534	-182.592	-0.589	-0.294	7.752	-1153.06
45162_5163	45162	5163	-22.534	213.944	0.589	0.294	0.336	-1571.33
45163_5163	45163	5163	25.132	-213.57	-0.605	0.825	-0.328	1573.289
45163_5164	45163	5164	-25.352	232.996	0.605	-0.825	5.321	-3415.56
45164_5164	45164	5164	31.931	-272.506	0.546	3.063	-5.23	3415.56
45164_5165	45164	5165	-32.848	300.46	-0.546	-3.063	-1.184	-6783.42
45165_5165	45165	5165	41.499	-299.289	0.571	-4.169	0.831	6788.933
45165_5166	45165	5166	-43.707	335.529	-0.571	4.169	-8.403	-11001.5
45166_5166	45166	5166	56.668	-371.784	0.09	-5.884	8.141	11001.57
45166_5167	45166	5167	-59.867	407.656	-0.09	5.884	-9.277	-15891.6
45167_5167	45167	5167	71.189	-405.784	0.072	6.484	10.612	15891.55
45167_5168	45167	5168	-75.653	443.912	-0.072	-6.484	-11.525	-21237.3
45168_5168	45168	5168	-1933.19	246.634	-1.037	-2.506	3.714	6900.35
45168_5169	45168	5169	1933.185	-221.827	1.037	2.506	6.143	-4675.01
45169_5169	45169	5169	-1933.19	221.827	1.365	3.261	-6.143	4707.934
45169_5170	45169	5170	1933.185	-203.096	-1.365	-3.261	-4.425	-3063.39
45170_5170	45170	5170	-1933.19	203.096	-1.103	-0.651	4.425	3063.395
45170_5171	45170	5171	1933.185	-184.341	1.103	0.651	4.124	-1561.98
45171_5171	45171	5171	-1933.17	138.676	1.592	0.488	-4.124	1561.843
45171_5172	45171	5172	1933.167	-119.316	-1.592	-0.488	-8.616	-529.825
45172_5172	45172	5172	-1933.17	119.316	-0.824	-0.174	8.616	529.825
45172_5173	45172	5173	1933.167	-99.956	0.824	0.174	-2.026	347.316

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45173_5173	45173	5173	-1933.17	99.956	-0.824	-0.174	2.026	-347.316
45173_5174	45173	5174	1933.167	-80.595	0.824	0.174	4.564	1069.565
45174_5174	45174	5174	-1933.17	32.845	1.926	-0.951	-4.564	-1069.7
45174_5175	45174	5175	1933.171	-18.325	-1.926	0.951	-6.99	1223.216
45175_5175	45175	5175	-1933.17	18.325	-1.296	1.087	6.99	-1223.22
45175_5176	45175	5176	1933.172	-3.805	1.296	-1.087	0.787	1289.611
45176_5176	45176	5176	-1933.17	3.805	1.926	-1.062	-0.787	-1289.61
45176_5177	45176	5177	1933.171	10.715	-1.926	1.062	-10.766	1268.88
45177_5177	45177	5177	-1933.17	-10.715	-1.296	1.053	10.766	-1268.88
45177_5178	45177	5178	1933.172	25.235	1.296	-1.053	-2.989	1161.022
45178_5178	45178	5178	-1933.18	-73.083	-0.174	-0.127	2.989	-1161.17
45178_5179	45178	5179	1933.176	92.443	0.174	0.127	-1.598	499.023
45179_5179	45179	5179	-1933.18	-92.443	-0.174	-0.127	1.598	-499.023
45179_5180	45179	5180	1933.176	111.803	0.174	0.127	-0.207	-318.013
45180_5180	45180	5180	-1933.18	-111.803	2.242	0.27	0.207	318.013
45180_5181	45180	5181	1933.175	131.163	-2.242	-0.27	-18.146	-1289.93
45181_5181	45181	5181	-1933.17	-175.324	-1.391	-0.636	18.146	1289.941
45181_5182	45181	5182	1933.171	194.079	1.391	0.636	-7.368	-2721.47
45182_5182	45182	5182	-1933.17	-194.079	1.104	2.875	7.368	2721.473
45182_5183	45182	5183	1933.171	212.834	-1.104	-2.875	-15.921	-4298.35
45183_5183	45183	5183	-1933.17	-212.834	-1.325	-2.48	15.921	4271.903
45183_5184	45183	5184	1933.171	237.641	1.325	2.48	-3.333	-6411.8
45184_5184	45184	5184	94.233	460.215	-0.111	6.24	0.535	20813.17
45184_5185	45184	5185	-89.769	-422.087	0.111	-6.24	0.858	-15262.9
45185_5185	45185	5185	78.033	424.461	-0.079	-5.879	0.449	15262.86
45185_5186	45185	5186	-74.834	-388.589	0.079	5.879	0.543	-10162.4
45186_5186	45186	5186	61.628	355.062	-0.329	-0.466	-1.052	10162.47
45186_5187	45186	5187	-59.42	-318.823	0.329	0.466	5.415	-5690.84
45187_5187	45187	5187	49.5	320.564	-0.309	-1.977	-5.388	5699.788
45187_5188	45187	5188	-48.542	-291.344	0.309	1.977	9.019	-2103.31
45188_5188	45188	5188	42.142	245.343	0.252	-0.463	-9.054	2103.41
45188_5189	45188	5189	-41.911	-225.053	-0.252	0.463	6.976	-165.206
45189_5189	45189	5189	39.524	225.592	0.252	-0.447	-6.979	170.494
45189_5190	45189	5190	-39.524	-191.334	-0.252	0.447	3.518	2696.04
45190_5190	45190	5190	39.523	147.536	0.351	-0.489	-3.518	-2696.04
45190_5191	45190	5191	-39.523	-120.129	-0.351	0.489	-0.348	4168.286
45191_5191	45191	5191	39.523	120.129	0.351	-0.489	0.348	-4168.29
45191_5192	45191	5192	-39.523	-92.723	-0.351	0.489	-4.215	5339.044
45192_5192	45192	5192	39.537	49.85	-1.092	-0.328	4.215	-5339.05
45192_5193	45192	5193	-39.537	-24.886	1.092	0.328	6.724	5713.497
45193_5193	45193	5193	39.537	24.886	-1.092	-0.391	-6.724	-5713.5
45193_5194	45193	5194	-39.537	0.104	1.092	0.391	17.679	5837.786
45194_5194	45194	5194	39.514	-41.391	0.4	-0.272	-17.679	-5837.82
45194_5195	45194	5195	-39.514	66.381	-0.4	0.272	13.666	5297.315
45195_5195	45195	5195	39.514	-66.381	0.4	-0.272	-13.666	-5297.32
45195_5196	45195	5196	-39.514	91.37	-0.4	0.272	9.653	4506.144
45196_5196	45196	5196	39.523	-135.331	-0.13	-0.169	-9.653	-4506.14
45196_5197	45196	5197	-39.523	162.738	0.13	0.169	11.078	2866.664
45197_5197	45197	5197	39.523	-162.738	-0.13	-0.169	-11.078	-2866.66
45197_5198	45197	5198	-39.523	190.144	0.13	0.169	12.504	925.699
45198_5198	45198	5198	39.526	-233.085	-0.364	0.056	-12.504	-925.701
45198_5199	45198	5199	-39.526	267.318	0.364	-0.056	17.499	-2512.27
45199_5199	45199	5199	42.816	-266.756	-0.364	0.127	-17.499	2499.319

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45199_5200	45199	5200	-43.061	287.912	0.364	-0.127	20.501	-4787.58
45200_5200	45200	5200	51.202	-333.326	0.235	0.941	-20.475	4787.507
45200_5201	45200	5201	-52.219	363.744	-0.235	-0.941	17.71	-8885.05
45201_5201	45201	5201	62.768	-361.987	0.245	-0.78	-17.809	8888.817
45201_5202	45201	5202	-65.27	402.492	-0.245	0.78	14.553	-13962.4
45202_5202	45202	5202	80.985	-446.002	-0.236	8.06	-13.778	13962.3
45202_5203	45202	5203	-84.584	485.898	0.236	-8.06	16.738	-19809.6
45203_5203	45203	5203	98.122	-483.302	-0.204	-7.268	-18.397	19809.65
45203_5204	45203	5204	-103.104	525.455	0.204	7.268	20.966	-26157.5
45204_5204	45204	5204	-2247.94	268.624	-1.092	3.141	25.405	8631.145
45204_5205	45204	5205	2247.938	-240.759	1.092	-3.141	-15.031	-6211.44
45205_5205	45205	5205	-2247.94	240.759	-3.534	-3.459	15.031	5964.361
45205_5206	45205	5206	2247.936	-219.509	3.534	3.459	12.362	-4180.7
45206_5206	45206	5206	-2247.94	219.509	-0.634	1.934	-12.362	4180.703
45206_5207	45206	5207	2247.938	-198.258	0.634	-1.934	17.277	-2561.77
45207_5207	45207	5207	-2247.93	150.984	-3.255	0.784	-17.277	2561.785
45207_5208	45207	5208	2247.928	-129.048	3.255	-0.784	43.316	-1441.59
45208_5208	45208	5208	-2247.93	129.048	-3.255	0.784	-43.316	1441.586
45208_5209	45208	5209	2247.928	-107.112	3.255	-0.784	69.355	-496.887
45209_5209	45209	5209	-2247.93	107.112	-3.255	0.784	-69.355	496.887
45209_5210	45209	5210	2247.928	-85.176	3.255	-0.784	95.395	272.311
45210_5210	45210	5210	-2247.97	36.577	2.369	0.597	-95.395	-272.323
45210_5211	45210	5211	2247.974	-20.125	-2.369	-0.597	81.18	442.439
45211_5211	45211	5211	-2247.98	20.125	-1.377	1.334	-81.18	-442.438
45211_5212	45211	5212	2247.975	-3.673	1.377	-1.334	89.444	513.838
45212_5212	45212	5212	-2247.97	3.673	2.369	0.478	-89.444	-513.84
45212_5213	45212	5213	2247.974	12.779	-2.369	-0.478	75.23	486.522
45213_5213	45213	5213	-2247.98	-12.779	-1.377	1.288	-75.23	-486.52
45213_5214	45213	5214	2247.975	29.231	1.377	-1.288	83.494	360.483
45214_5214	45214	5214	-2248.03	-77.599	2.482	1.225	-83.494	-360.367
45214_5215	45214	5215	2248.034	99.535	-2.482	-1.225	63.635	-348.216
45215_5215	45215	5215	-2248.03	-99.535	5.292	1.661	-63.635	348.215
45215_5216	45215	5216	2248.029	121.471	-5.292	-1.661	21.298	-1232.29
45216_5216	45216	5216	-2248.03	-121.471	2.482	0.12	-21.298	1232.287
45216_5217	45216	5217	2248.034	143.407	-2.482	-0.12	1.44	-2291.87
45217_5217	45217	5217	-2248.06	-189.201	2.93	-14.217	-1.44	2291.711
45217_5218	45217	5218	2248.059	210.424	-2.93	14.217	-21.24	-3838.37
45218_5218	45218	5218	-2248.05	-210.424	5.864	-9.207	21.24	3838.38
45218_5219	45218	5219	2248.053	231.675	-5.864	9.207	-66.689	-5551.61
45219_5219	45219	5219	-2247.98	-231.675	19.603	27.097	66.689	5807.658
45219_5220	45219	5220	2247.975	259.538	-19.603	-27.097	-252.922	-8140.94
45220_5220	45220	5220	93.046	536.343	0.404	-29.667	0.677	25603.61
45220_5221	45220	5221	-88.064	-494.192	-0.404	29.667	-5.769	-19119.8
45221_5221	45221	5221	74.293	496.495	0.312	31.099	-0.796	19119.82
45221_5222	45221	5222	-70.694	-456.6	-0.312	-31.099	-3.119	-13140.1
45222_5222	45222	5222	54.958	414.391	2.893	-3.53	6.21	13140.43
45222_5223	45222	5223	-52.456	-373.885	-2.893	3.53	-44.592	-7909.14
45223_5223	45223	5223	40.757	375.293	2.775	26.684	43.735	7892.391
45223_5224	45223	5224	-39.687	-343.285	-2.775	-26.684	-76.351	-3668.52
45224_5224	45224	5224	31.971	288.977	-2.116	-3.516	76.906	3668.903
45224_5225	45224	5225	-31.713	-266.704	2.116	3.516	-59.443	-1376.26
45225_5225	45225	5225	28.831	267.148	-2.227	1.271	59.465	1383.732
45225_5226	45225	5226	-28.831	-223.961	2.227	-1.271	-25.073	2408.55

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45226_5226	45226	5226	28.824	170.444	1.805	9.744	25.073	-2408.52
45226_5227	45226	5227	-28.824	-137.296	-1.805	-9.744	-46.473	4232.508
45227_5227	45227	5227	28.831	137.296	1.684	-8.1	46.473	-4232.51
45227_5228	45227	5228	-28.831	-104.144	-1.684	8.1	-66.435	5663.703
45228_5228	45228	5228	28.881	51.148	-2.259	13.374	66.435	-5663.24
45228_5229	45228	5229	-28.881	-15.919	2.259	-13.374	-39.651	6060.823
45229_5229	45229	5229	28.871	15.919	-2.381	-12.168	39.651	-6060.83
45229_5230	45229	5230	-28.871	19.316	2.381	12.168	-11.42	6040.68
45230_5230	45230	5230	28.844	-73.501	-1.586	7.272	11.42	-6039.69
45230_5231	45230	5231	-28.844	109.721	1.586	-7.272	7.909	4922.964
45231_5231	45231	5231	28.838	-109.721	-1.68	-8.867	-7.909	-4922.96
45231_5232	45231	5232	-28.838	145.947	1.68	8.867	28.395	3364.47
45232_5232	45232	5232	28.364	-201.568	18.529	3.039	-28.395	-3363.65
45232_5233	45232	5233	-28.364	228.876	-18.529	-3.039	-141.899	1385.644
45233_5233	45233	5233	30.746	-228.511	18.487	-0.116	141.901	-1385.64
45233_5234	45233	5234	-30.943	249.383	-18.487	0.116	-269.251	-260.395
45234_5234	45234	5234	35.215	-248.72	18.421	-2.86	269.202	260.39
45234_5235	45234	5235	-35.808	272.278	-18.421	2.86	-411.814	-2277.42
45235_5235	45235	5235	42.954	-316.134	-20.047	-3.5	411.846	2277.627
45235_5236	45235	5236	-43.6	332.583	20.047	3.5	-304.203	-4020.07
45236_5236	45236	5236	48.907	-332.013	-20.149	-3.68	304.447	4053.382
45236_5237	45236	5237	-50.641	363.58	20.149	3.68	-133.961	-6997.92
45237_5237	45237	5237	56.758	-362.653	-20.209	8.417	134.947	6997.9
45237_5238	45237	5238	-58.545	387.703	20.209	-8.417	-1.519	-9477.39
45238_5238	45238	5238	69.457	-438.336	-3.132	-20.823	-0.918	9474.576
45238_5239	45238	5239	-72.879	476.667	3.132	20.823	31.84	-13994
45239_5239	45239	5239	99.634	-471.736	-3.199	12.177	-28.145	13993.99
45239_5240	45239	5240	-105.883	514.773	3.199	-12.177	62.312	-19269.4
45240_5240	45240	5240	-2112.06	319.54	-62.489	-4.702	1225.976	7003.35
45240_5241	45240	5241	2112.055	-274.888	62.489	4.702	-458.189	-3351.57
45241_5241	45241	5241	-2112.29	274.888	-53.792	8.377	458.189	3364.405
45241_5242	45241	5242	2112.294	-253.91	53.792	-8.377	-143.274	-1816.52
45242_5242	45242	5242	-2112.34	253.91	-52.168	9.773	143.274	1816.508
45242_5243	45242	5243	2112.335	-231.135	52.168	-9.773	188.303	-275.047
45243_5243	45243	5243	-2114.38	188.297	-12.372	3.676	-188.303	274.653
45243_5244	45243	5244	2114.379	-153.087	12.372	-3.676	309.878	1402.637
45244_5244	45244	5244	-2114.41	153.087	-5.277	-1.031	-309.878	-1402.64
45244_5245	45244	5245	2114.409	-118.012	5.277	1.031	361.529	2729.502
45245_5245	45245	5245	-2113.65	77.201	-15.808	6.451	-361.529	-2728.8
45245_5246	45245	5246	2113.65	-40.862	15.808	-6.451	521.849	3327.476
45246_5246	45246	5246	-2113.69	40.862	-8.647	-4.822	-521.849	-3327.48
45246_5247	45246	5247	2113.691	-6.885	8.647	4.822	603.841	3553.851
45247_5247	45247	5247	-2113.61	-36.378	-5.006	5.587	-603.841	-3552.98
45247_5248	45247	5248	2113.612	69.679	5.006	-5.587	650.366	3060.151
45248_5248	45248	5248	-2113.62	-69.679	1.544	-3.895	-650.366	-3060.15
45248_5249	45248	5249	2113.618	106.694	-1.544	3.895	634.421	2149.171
45249_5249	45249	5249	-2114.75	-146.317	38.021	1.726	-634.421	-2148.72
45249_5250	45249	5250	2114.748	182.55	-38.021	-1.726	249.95	485.974
45250_5250	45250	5250	-2114.64	-182.55	43.516	0.464	-249.95	-485.977
45250_5251	45250	5251	2114.642	216.633	-43.516	-0.464	-163.961	-1412.49
45251_5251	45251	5251	-2112.23	-271.436	-25.39	-36.193	163.961	1411.247
45251_5252	45251	5252	2112.234	293.107	25.39	36.193	-10.404	-3118.39
45252_5252	45252	5252	-2112.27	-293.107	-22.11	-31.35	10.404	3118.444

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45252_5253	45252	5253	2112.271	315.537	22.11	31.35	127.998	-5023.44
45253_5253	45253	5253	-2112.32	-315.537	-16.638	-18.333	-127.998	5021.859
45253_5254	45253	5254	2112.321	350.054	16.638	18.333	286.022	-8182.63
45254_5254	45254	5254	132.778	534.42	-78.877	236.717	-265.643	21761.16
45254_5255	45254	5255	-131.362	-523.273	78.877	-236.717	479.134	-20329.6
45255_5255	45255	5255	113.577	472.402	42.596	-21.009	-445.42	20324.05
45255_5256	45255	5256	-108.027	-421.907	-42.596	21.009	-91.455	-14689.5
45256_5256	45256	5256	98.12	424.364	42.36	34.007	85.642	14689.47
45256_5257	45256	5257	-95.08	-389.066	-42.36	-34.007	-472.683	-10973.4
45257_5257	45257	5257	85.776	335.721	-22.846	-24.823	477.072	10972.25
45257_5258	45257	5258	-84.072	-311.089	22.846	24.823	-328.249	-8865.28
45258_5258	45258	5258	79.184	312.373	-22.992	-8.814	326.537	8865.366
45258_5259	45258	5259	-77.686	-284.636	22.992	8.814	-155.309	-6642.28
45259_5259	45259	5259	72.657	285.951	-23.176	9.04	154.25	6637.656
45259_5260	45259	5260	-71.764	-261.593	23.176	-9.04	23.875	-4533.45
45260_5260	45260	5260	66.554	215.427	4.266	-11.356	-23.428	4441.36
45260_5261	45260	5261	-66.126	-196.2	-4.266	11.356	-1.788	-3224.8
45261_5261	45261	5261	63.253	197.308	4.046	0.265	1.755	3224.824
45261_5262	45261	5262	-63.066	-176.53	-4.046	-0.265	-27.668	-2027.51
45262_5262	45262	5262	61.277	177.264	3.975	2.957	27.669	2002.576
45262_5263	45262	5263	-61.277	-138.308	-3.975	-2.957	-76.119	-79.515
45263_5263	45263	5263	61.309	75.477	-2.674	-0.341	76.119	79.588
45263_5264	45263	5264	-61.309	-38.98	2.674	0.341	-45.584	573.887
45264_5264	45264	5264	61.301	38.98	-2.85	-1.989	45.584	-573.884
45264_5265	45264	5265	-61.301	-1.793	2.85	1.989	-12.423	811.074
45265_5265	45265	5265	61.291	-51.99	-2.934	-1.96	12.423	-810.989
45265_5266	45265	5266	-61.291	89.257	2.934	1.96	21.785	-12.448
45266_5266	45266	5266	61.279	-89.257	-3.177	-1.911	-21.785	12.456
45266_5267	45266	5267	-61.279	125.673	3.177	1.911	57.977	-1236.83
45267_5267	45267	5267	61.334	-181.256	3.115	-11.94	-57.977	1237.026
45267_5268	45267	5268	-61.334	218.137	-3.115	11.94	22.037	-3541.27
45268_5268	45268	5268	61.348	-218.137	2.821	4.99	-22.037	3541.281
45268_5269	45268	5269	-61.348	254.914	-2.821	-4.99	-10.427	-6262.75
45269_5269	45269	5269	61.171	-307.861	-8.296	-29.227	10.427	6263.44
45269_5270	45269	5270	-61.171	336.185	8.296	29.227	63.085	-9117.04
45270_5270	45270	5270	61.147	-336.185	-8.473	-2.855	-63.085	9117.088
45270_5271	45270	5271	-61.147	364.391	8.473	2.855	137.854	-12208.3
45271_5271	45271	5271	64.217	-363.679	-8.611	25.171	-137.732	12240.02
45271_5272	45271	5272	-64.413	385.67	8.611	-25.171	192.851	-14638.3
45272_5272	45272	5272	71.815	-449.671	19.515	-50.622	-193.865	14639.37
45272_5273	45272	5273	-72.386	473.927	-19.515	50.622	56.638	-17886.8
45273_5273	45273	5273	79.07	-472.592	19.392	-15.009	-56.186	17886.85
45273_5274	45273	5274	-79.938	495.356	-19.392	15.009	-70.842	-21057.5
45274_5274	45274	5274	89.137	-493.642	19.237	37.372	73.074	21081.1
45274_5275	45274	5275	-91.649	537.67	-19.237	-37.372	-287.759	-26836.1
45275_5275	45275	5275	106.525	-599.476	-68.623	-73.592	281.364	26840.63
45275_5276	45275	5276	-109.719	639.414	68.623	73.592	395.235	-32949.5
45276_5276	45276	5276	122.593	-636.87	-68.866	68.129	-384.485	32949.65
45276_5277	45276	5277	-126.634	676.856	68.866	-68.129	1043.337	-39236.4
45277_5277	45277	5277	151.985	-732.62	73.353	-78.713	-1062.19	39368.47
45277_5278	45277	5278	-156.033	766.333	-73.353	78.713	492.934	-45184.6
45278_5278	45278	5278	-3319.16	452.711	34.03	14.127	-237.81	16255.7
45278_5279	45278	5279	3319.157	-416.09	-34.03	-14.127	-85.164	-12132.9

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45279_5279	45279	5279	-3319.04	416.09	43.944	55.018	85.164	12445.43
45279_5280	45279	5280	3319.041	-392.462	-43.944	-55.018	-372.261	-9804.19
45280_5280	45280	5280	-3320.66	319.649	-57.011	-8.104	372.261	9805.251
45280_5281	45280	5281	3320.655	-277.471	57.011	8.104	292.645	-6323.22
45281_5281	45281	5281	-3320.79	277.471	-48.329	8.428	-292.645	6323.221
45281_5282	45281	5282	3320.792	-232.592	48.329	-8.428	892.377	-3158.43
45282_5282	45282	5282	-3320.34	181.164	6.608	-1.235	-892.377	3102.79
45282_5283	45282	5283	3320.335	-142.723	-6.608	1.235	810.513	-1096.52
45283_5283	45283	5283	-3320.3	142.723	16.928	2.173	-810.513	1096.517
45283_5284	45283	5284	3320.298	-106.47	-16.928	-2.173	612.726	359.26
45284_5284	45284	5284	-3320.46	-9.025	13.519	1.076	-612.726	-359.31
45284_5285	45284	5285	3320.464	44.011	-13.519	-1.076	460.294	60.311
45285_5285	45285	5285	-3320.42	-44.011	21.448	0.932	-460.294	-60.314
45285_5286	45285	5286	3320.423	75.254	-21.448	-0.932	244.336	-540.121
45286_5286	45286	5286	-3320.39	-158.353	39.181	-2.339	-244.336	540.211
45286_5287	45286	5287	3320.393	193.757	-39.181	2.339	-202.725	-2549.03
45287_5287	45287	5287	-3320.24	-193.757	50.624	6.446	202.725	2549.023
45287_5288	45287	5288	3320.238	229.343	-50.624	-6.446	-783.325	-4975.27
45288_5288	45288	5288	-3321.73	-231.859	-33.239	-24.609	783.325	4976.036
45288_5289	45288	5289	3321.727	244.266	33.239	24.609	-650.409	-5928
45289_5289	45289	5289	-3321.77	-244.266	-28.526	-13.869	650.409	5622.193
45289_5290	45289	5290	3321.771	276.044	28.526	13.869	-379.416	-8093.64
45290_5290	45290	5290	144.401	990.133	-25.537	18.225	64.679	33472.69
45290_5291	45290	5291	-140.062	-950.417	25.537	-18.225	202.031	-23339.5
45291_5291	45291	5291	107.249	863.803	4.519	-27.717	-197.259	23341.55
45291_5292	45291	5292	-103.998	-824.12	-4.519	27.717	148.226	-14181.6
45292_5292	45292	5292	82.16	826.599	4.384	29.594	-152.011	14181.58
45292_5293	45292	5293	-80.245	-792.05	-4.384	-29.594	109.379	-6309.39
45293_5293	45293	5293	60.162	703.164	3.295	0.113	-107.541	6310.244
45293_5294	45293	5294	-59.292	-677.671	-3.295	-0.113	83.495	-1272.64
45294_5294	45294	5294	45.346	678.761	3.207	5.329	-83.569	1267.442
45294_5295	45294	5295	-45.027	-655.457	-3.207	-5.329	59.084	3825.632
45295_5295	45295	5295	36.243	656.015	3.119	-3.278	-59.009	-3825.64
45295_5296	45295	5296	-36.232	-631.037	-3.119	3.278	33.429	9103.24
45296_5296	45296	5296	35.946	554.535	2.443	26.96	-33.43	-9087.22
45296_5297	45296	5297	-35.946	-541.951	-2.443	-26.96	23.295	11361.76
45297_5297	45297	5297	35.949	541.951	2.401	13.91	-23.295	-11363.1
45297_5298	45297	5298	-35.949	-509.665	-2.401	-13.91	1.055	16233.59
45298_5298	45298	5298	35.955	509.665	2.315	-24.715	-1.055	-16233.6
45298_5299	45298	5299	-35.955	-477.718	-2.315	24.715	-20.167	20758.44
45299_5299	45299	5299	35.938	402.149	0.086	55.001	20.167	-20760.1
45299_5300	45299	5300	-35.938	-361.487	-0.086	-55.001	-21.174	25214.31
45300_5300	45300	5300	35.938	361.487	-0.053	-42.772	21.174	-25214.3
45300_5301	45300	5301	-35.938	-318.284	0.053	42.772	-20.516	29427.23
45301_5301	45301	5301	35.943	238.603	0.158	64.337	20.516	-29429.6
45301_5302	45301	5302	-35.943	-195.005	-0.158	-64.337	-22.498	32141.49
45302_5302	45302	5302	35.943	195.005	0.02	-59.194	22.498	-32141.5
45302_5303	45302	5303	-35.943	-154.773	-0.02	59.194	-22.732	34160.18
45303_5303	45303	5303	35.967	76.901	1.933	74.525	22.732	-34162.6
45303_5304	45303	5304	-35.967	-31.546	-1.933	-74.525	-47.879	34868.2
45304_5304	45304	5304	35.975	31.546	1.776	-76.831	47.879	-34868.2
45304_5305	45304	5305	-35.975	6.96	-1.776	76.831	-67.505	35004
45305_5305	45305	5305	35.96	-84.627	0.065	59.16	67.505	-35006.6

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45305_5306	45305	5306	-35.96	126.65	-0.065	-59.16	-68.287	33732.93
45306_5306	45306	5306	35.96	-126.65	-0.052	-50.526	68.287	-33732.9
45306_5307	45306	5307	-35.96	168.42	0.052	50.526	-67.663	31964.9
45307_5307	45307	5307	35.983	-247.507	1.739	60.947	67.663	-31967.2
45307_5308	45307	5308	-35.983	288.923	-1.739	-60.947	-88.327	28780.14
45308_5308	45308	5308	35.989	-288.923	1.597	-52.996	88.327	-28780.2
45308_5309	45308	5309	-35.989	331.356	-1.597	52.996	-107.762	25004.53
45309_5309	45309	5309	36.026	-399.619	4.651	39.151	107.762	-25006
45309_5310	45309	5310	-36.026	441.613	-4.651	-39.151	-163.801	19938.32
45310_5310	45310	5310	36.043	-441.613	4.518	-34.75	163.801	-19938.3
45310_5311	45310	5311	-36.043	483.433	-4.518	34.75	-218.004	14388.89
45311_5311	45311	5311	35.925	-580.507	-9.226	14.874	218.004	-14389.7
45311_5312	45311	5312	-35.925	624.428	9.226	-14.874	-101.753	6798.139
45312_5312	45312	5312	35.881	-624.428	-9.395	-17.094	101.753	-6798.13
45312_5313	45312	5313	-35.881	662.18	9.395	17.094	0	-169.509
46000_6000	46000	6000	-0.536	12.016	-4.451	-0.928	0	0.222
46000_6001	46000	6001	0.536	6.766	4.451	0.928	51.721	30.284
46001_6001	46001	6001	-0.53	-6.766	-4.451	-0.892	-51.721	-30.285
46001_6002	46001	6002	0.53	22.338	4.451	0.892	94.61	-109.929
46002_6002	46002	6002	-0.482	21.2	4.523	-1.522	-94.61	110.043
46002_6003	46002	6003	0.482	-1.602	-4.523	1.522	39.759	28.207
46003_6003	46003	6003	-0.486	1.602	4.523	-1.499	-39.759	-28.208
46003_6004	46003	6004	0.486	17.998	-4.523	1.499	-15.093	-71.207
46004_6004	46004	6004	-0.502	20.001	-1.036	-0.705	15.093	71.21
46004_6005	46004	6005	0.502	-0.398	1.036	0.705	-2.525	52.501
46005_6005	46005	6005	-0.502	0.398	-1.036	-0.699	2.525	-52.501
46005_6006	46005	6006	0.502	19.19	1.036	0.699	10.032	-61.374
46006_6006	46006	6006	-0.498	19.856	0.261	-0.425	-10.032	61.531
46006_6007	46006	6007	0.498	-0.253	-0.261	0.425	6.868	60.427
46007_6007	46007	6007	-0.498	0.253	0.261	-0.425	-6.868	-60.427
46007_6008	46007	6008	0.498	19.35	-0.261	0.425	3.704	-55.392
46008_6008	46008	6008	-0.501	19.471	-0.04	0.043	-3.704	55.085
46008_6009	46008	6009	0.501	0.12	0.04	-0.043	4.186	62.2
46009_6009	46009	6009	-0.501	-0.12	-0.039	-0.007	-4.186	-62.2
46009_6010	46009	6010	0.501	19.709	0.039	0.007	4.663	-57.972
46010_6010	46010	6010	-0.503	19.184	0.133	0.458	-4.663	58.207
46010_6011	46010	6011	0.503	0.423	-0.133	-0.458	3.049	55.593
46011_6011	46011	6011	-0.503	-0.423	0.133	0.463	-3.049	-55.593
46011_6012	46011	6012	0.503	20.014	-0.133	-0.463	1.438	-68.278
46012_6012	46012	6012	-0.499	18.927	0.572	0.702	-1.438	68.307
46012_6013	46012	6013	0.499	0.669	-0.572	-0.702	-5.495	42.378
46013_6013	46013	6013	-0.499	-0.669	0.572	0.702	5.495	-42.378
46013_6014	46013	6014	0.499	20.264	-0.572	-0.702	-12.429	-84.525
46014_6014	46014	6014	-0.502	17.803	-0.018	0.909	12.429	84.683
46014_6015	46014	6015	0.502	8.059	0.018	-0.909	-12.146	-6.715
46015_6015	46015	6015	-0.502	-8.059	-0.017	0.913	12.146	6.717
46015_6016	46015	6016	0.502	21.388	0.017	-0.913	-12.002	-128.142
46016_6016	46016	6016	-0.501	19.567	0.356	0.643	12.002	129.063
46016_6017	46016	6017	0.501	-0.842	-0.356	-0.643	-16.184	-9.1
46017_6017	46017	6017	-0.501	0.842	0.356	0.643	16.184	9.1
46017_6018	46017	6018	0.501	20.271	-0.356	-0.643	-20.899	-137.866
46018_6018	46018	6018	-0.495	19.709	-1.49	0.363	20.899	137.803
46018_6019	46018	6019	0.495	0.185	1.49	-0.363	-2.292	-15.877

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46019_6019	46019	6019	-0.495	-0.185	-1.49	0.364	2.292	15.877
46019_6020	46019	6020	0.495	20.096	1.49	-0.364	16.329	-142.631
46020_6020	46020	6020	-0.564	20.823	1.144	0.226	-16.329	142.623
46020_6021	46020	6021	0.564	-5.681	-1.144	-0.226	5.456	-16.648
46021_6021	46021	6021	-0.562	5.681	1.145	0.248	-5.456	16.648
46021_6022	46021	6022	0.562	6.655	-1.145	-0.248	-3.408	-20.418
46022_6022	46022	6022	-0.564	-6.655	1.144	0.225	3.408	20.418
46022_6023	46022	6023	0.564	19.009	-1.144	-0.225	-12.279	-119.936
46023_6023	46023	6023	-0.556	19.482	-0.424	0.075	12.279	119.803
46023_6024	46023	6024	0.556	-6.745	0.424	-0.075	-8.89	-14.941
46024_6024	46024	6024	-0.556	6.745	-0.425	0.057	8.89	14.941
46024_6025	46024	6025	0.556	5.994	0.425	-0.057	-5.495	-11.937
46025_6025	46025	6025	-0.556	-5.994	-0.424	0.073	5.495	11.937
46025_6026	46025	6026	0.556	18.747	0.424	-0.073	-2.102	-110.978
46026_6026	46026	6026	-0.561	18.949	-0.259	-0.071	2.102	110.877
46026_6027	46026	6027	0.561	-9.404	0.259	0.071	-0.548	-25.931
46027_6027	46027	6027	-0.561	9.404	-0.259	-0.066	0.548	25.931
46027_6028	46027	6028	0.561	0.157	0.259	0.066	1.009	1.82
46028_6028	46028	6028	-0.561	-0.157	-0.259	-0.066	-1.009	-1.82
46028_6029	46028	6029	0.561	9.717	0.259	0.066	2.565	-27.813
46029_6029	46029	6029	-0.562	-9.717	-0.258	-0.02	-2.565	27.813
46029_6030	46029	6030	0.562	19.276	0.258	0.02	4.116	-114.809
46030_6030	46030	6030	-0.56	18.335	0.07	-0.146	-4.116	114.785
46030_6031	46030	6031	0.56	-5.587	-0.07	0.146	3.553	-19.056
46031_6031	46031	6031	-0.56	5.587	0.071	-0.125	-3.553	19.056
46031_6032	46031	6032	0.56	7.143	-0.071	0.125	2.986	-25.273
46032_6032	46032	6032	-0.56	-7.143	0.07	-0.153	-2.986	25.273
46032_6033	46032	6033	0.56	19.891	-0.07	0.153	2.423	-133.451
46033_6033	46033	6033	-0.565	18.927	-0.467	-0.282	-2.423	133.459
46033_6034	46033	6034	0.565	-6.586	0.467	0.282	6.039	-34.629
46034_6034	46034	6034	-0.565	6.586	-0.467	-0.277	-6.039	34.629
46034_6035	46034	6035	0.565	5.77	0.467	0.277	9.66	-31.463
46035_6035	46035	6035	-0.565	-5.77	-0.467	-0.279	-9.66	31.463
46035_6036	46035	6036	0.565	20.879	0.467	0.279	14.088	-157.857
46036_6036	46036	6036	-0.505	20.683	0.772	-0.399	-14.088	157.803
46036_6037	46036	6037	0.505	-0.757	-0.772	0.399	4.432	-23.699
46037_6037	46037	6037	-0.505	0.757	0.771	-0.42	-4.432	23.699
46037_6038	46037	6038	0.505	19.155	-0.771	0.42	-5.212	-138.692
46038_6038	46038	6038	-0.516	14.91	-0.193	-0.727	5.212	138.709
46038_6039	46038	6039	0.516	6.191	0.193	0.727	-2.652	-80.96
46039_6039	46039	6039	-0.516	-6.191	-0.194	-0.562	2.652	80.222
46039_6040	46039	6040	0.516	24.557	0.194	0.562	-0.377	-260.894
46040_6040	46040	6040	-0.524	18.745	-0.917	-1.493	0.377	260.999
46040_6041	46040	6041	0.524	-5.857	0.917	1.493	7.185	-159.566
46041_6041	46041	6041	-0.525	5.857	-0.916	-1.344	-7.185	159.568
46041_6042	46041	6042	0.525	18.487	0.916	1.344	21.46	-257.936
46042_6042	46042	6042	-0.521	20.761	0.301	-0.748	-21.46	257.959
46042_6043	46042	6043	0.521	-2.137	-0.301	0.748	17.878	-121.532
46043_6043	46043	6043	-0.521	2.137	0.3	-0.859	-17.878	121.531
46043_6044	46043	6044	0.521	16.473	-0.3	0.859	14.305	-206.88
46044_6044	46044	6044	-0.523	19.736	-0.098	-0.052	-14.305	206.963
46044_6045	46044	6045	0.523	-1.112	0.098	0.052	15.467	-82.745
46045_6045	46045	6045	-0.523	1.112	-0.098	-0.052	-15.467	82.745

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46045_6046	46045	6046	0.523	17.511	0.098	0.052	16.629	-180.454
46046_6046	46046	6046	-0.523	19.386	0.032	0.689	-16.629	180.453
46046_6047	46046	6047	0.523	-0.755	-0.032	-0.689	16.246	-60.403
46047_6047	46047	6047	-0.523	0.755	0.032	0.685	-16.246	60.403
46047_6048	46047	6048	0.523	17.861	-0.032	-0.685	15.865	-162.281
46048_6048	46048	6048	-0.521	18.968	0.322	1.295	-15.865	162.187
46048_6049	46048	6049	0.521	-0.351	-0.322	-1.295	12.024	-47.126
46049_6049	46049	6049	-0.521	0.351	0.323	1.338	-12.024	47.125
46049_6050	46049	6050	0.521	18.28	-0.323	-1.338	8.176	-153.996
46050_6050	46050	6050	-0.517	18.021	0.395	1.612	-8.176	153.812
46050_6051	46050	6051	0.517	6.294	-0.395	-1.612	2.026	-62.587
46051_6051	46051	6051	-0.517	-6.294	0.395	1.593	-2.026	62.59
46051_6052	46051	6052	0.517	19.196	-0.395	-1.593	-1.235	-167.809
46052_6052	46052	6052	-0.515	20.436	-0.139	1.23	1.235	167.7
46052_6053	46052	6053	0.515	-2.079	0.139	-1.23	0.395	-35.467
46053_6053	46053	6053	-0.515	2.079	-0.139	1.215	-0.395	35.48
46053_6054	46053	6054	0.515	17.992	0.139	-1.215	2.236	-140.91
46054_6054	46054	6054	-0.515	18.556	-1.525	0.896	-2.236	140.889
46054_6055	46054	6055	0.515	0.382	1.525	-0.896	21.306	-27.271
46055_6055	46055	6055	-0.514	-0.382	-1.526	0.873	-21.306	27.272
46055_6056	46055	6056	0.514	19.306	1.526	-0.873	40.368	-150.262
46056_6056	46056	6056	-0.545	19.867	1.017	0.786	-40.368	150.269
46056_6057	46056	6057	0.545	-5.468	-1.017	-0.786	30.698	-29.854
46057_6057	46057	6057	-0.545	5.468	1.017	0.791	-30.698	29.854
46057_6058	46057	6058	0.545	6.272	-1.017	-0.791	22.812	-32.967
46058_6058	46058	6058	-0.545	-6.272	1.017	0.788	-22.812	32.967
46058_6059	46058	6059	0.545	17.997	-1.017	-0.788	14.938	-126.899
46059_6059	46059	6059	-0.544	18.968	0.902	0.577	-14.938	126.994
46059_6060	46059	6060	0.544	-6.837	-0.902	-0.577	7.713	-23.659
46060_6060	46060	6060	-0.543	6.837	0.903	0.604	-7.713	23.659
46060_6061	46060	6061	0.543	5.278	-0.903	-0.604	0.493	-17.422
46061_6061	46061	6061	-0.544	-5.278	0.902	0.582	-0.493	17.423
46061_6062	46061	6062	0.544	17.393	-0.902	-0.582	-6.722	-108.094
46062_6062	46062	6062	-0.546	18.361	0.662	0.495	6.722	108.037
46062_6063	46062	6063	0.546	-9.282	-0.662	-0.495	-10.691	-25.192
46063_6063	46063	6063	-0.546	9.282	0.662	0.498	10.691	25.192
46063_6064	46063	6064	0.546	-0.188	-0.662	-0.498	-14.667	3.234
46064_6064	46064	6064	-0.546	0.188	0.662	0.498	14.667	-3.234
46064_6065	46064	6065	0.546	8.907	-0.662	-0.498	-18.643	-22.94
46065_6065	46065	6065	-0.546	-8.907	0.662	0.496	18.643	22.94
46065_6066	46065	6066	0.546	17.985	-0.662	-0.496	-22.613	-103.536
46066_6066	46066	6066	-0.54	18.052	0.837	0.313	22.613	103.64
46066_6067	46066	6067	0.54	-5.925	-0.837	-0.313	-29.31	-7.656
46067_6067	46067	6067	-0.54	5.925	0.837	0.312	29.31	7.656
46067_6068	46067	6068	0.54	6.186	-0.837	-0.312	-35.999	-8.7
46068_6068	46068	6068	-0.54	-6.186	0.837	0.312	35.999	8.7
46068_6069	46068	6069	0.54	18.298	-0.837	-0.312	-42.688	-106.593
46069_6069	46069	6069	-0.559	17.758	-1.328	0.111	42.688	106.752
46069_6070	46069	6070	0.559	-6.011	1.328	-0.111	-32.387	-14.579
46070_6070	46070	6070	-0.559	6.011	-1.328	0.11	32.387	14.579
46070_6071	46070	6071	0.559	5.721	1.328	-0.11	-22.098	-13.453
46071_6071	46071	6071	-0.557	-5.721	-1.329	0.094	22.098	13.454
46071_6072	46071	6072	0.557	20.109	1.329	-0.094	-9.473	-136.141

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46072_6072	46072	6072	-0.531	20.083	1.096	-0.044	9.473	136.148
46072_6073	46072	6073	0.531	-1.148	-1.096	0.044	-23.178	-3.437
46073_6073	46073	6073	-0.531	1.148	1.096	-0.044	23.178	3.437
46073_6074	46073	6074	0.531	17.787	-1.096	0.044	-36.882	-107.444
46074_6074	46074	6074	-0.547	15.32	-0.324	-0.511	36.882	107.509
46074_6075	46074	6075	0.547	4.753	0.324	0.511	-32.594	-37.495
46075_6075	46075	6075	-0.546	-4.753	-0.324	-0.203	32.594	37.445
46075_6076	46075	6076	0.546	22.161	0.324	0.203	-28.788	-195.571
46076_6076	46076	6076	-0.561	17.721	-0.852	-1.051	28.788	195.453
46076_6077	46076	6077	0.561	-5.496	0.852	1.051	-21.76	-99.662
46077_6077	46077	6077	-0.56	5.496	-0.852	-1.103	21.76	99.663
46077_6078	46077	6078	0.56	15.423	0.852	1.103	-9.729	-169.747
46078_6078	46078	6078	-0.556	17.74	-0.022	-0.892	9.729	169.648
46078_6079	46078	6079	0.556	-1.154	0.022	0.892	-9.479	-63.877
46079_6079	46079	6079	-0.556	1.154	-0.022	-0.889	9.479	63.877
46079_6080	46079	6080	0.556	15.448	0.022	0.889	-9.229	-143.966
46080_6080	46080	6080	-0.558	16.843	-0.318	-0.51	9.229	143.98
46080_6081	46080	6081	0.558	-0.245	0.318	0.51	-5.663	-48.255
46081_6081	46081	6081	-0.558	0.245	-0.318	-0.513	5.663	48.255
46081_6082	46081	6082	0.558	16.337	0.318	0.513	-2.101	-138.318
46082_6082	46082	6082	-0.557	18.12	-0.057	-0.008	2.101	138.577
46082_6083	46082	6083	0.557	-0.276	0.057	0.008	-1.412	-27.793
46083_6083	46083	6083	-0.557	0.276	-0.057	-0.009	1.412	27.793
46083_6084	46083	6084	0.557	17.552	0.057	0.009	-0.724	-131.748
46084_6084	46084	6084	-0.558	16.774	-0.176	0.495	0.724	131.757
46084_6085	46084	6085	0.558	-0.18	0.176	-0.495	1.249	-36.807
46085_6085	46085	6085	-0.558	0.18	-0.176	0.495	-1.249	36.807
46085_6086	46085	6086	0.558	16.414	0.176	-0.495	3.222	-127.731
46086_6086	46086	6086	-0.556	16.346	0.19	0.903	-3.222	127.583
46086_6087	46086	6087	0.556	0.247	-0.19	-0.903	1.09	-37.424
46087_6087	46087	6087	-0.556	-0.247	0.19	0.869	-1.09	37.425
46087_6088	46087	6088	0.556	16.842	-0.19	-0.869	-1.036	-133.133
46088_6088	46088	6088	-0.555	14.643	0.228	1.044	1.036	133.13
46088_6089	46088	6089	0.555	5.476	-0.228	-1.044	-4.13	-70.883
46089_6089	46089	6089	-0.555	-5.476	0.228	1.03	4.13	70.885
46089_6090	46089	6090	0.555	17.708	-0.228	-1.03	-6.01	-166.597
46090_6090	46090	6090	-0.554	18.564	-0.096	0.789	6.01	166.469
46090_6091	46090	6091	0.554	-1.158	0.096	-0.789	-4.885	-50.616
46091_6091	46091	6091	-0.554	1.158	-0.096	0.757	4.885	50.636
46091_6092	46091	6092	0.554	18.178	0.096	-0.757	-3.61	-163.403
46092_6092	46092	6092	-0.559	18.182	-1.316	0.398	3.61	163.244
46092_6093	46092	6093	0.559	0.056	1.316	-0.398	12.843	-49.978
46093_6093	46093	6093	-0.56	-0.056	-1.316	0.438	-12.843	49.977
46093_6094	46093	6094	0.56	18.293	1.316	-0.438	29.29	-164.633
46094_6094	46094	6094	-0.576	19.072	1.077	0.307	-29.29	164.638
46094_6095	46094	6095	0.576	-5.201	-1.077	-0.307	19.051	-49.273
46095_6095	46095	6095	-0.576	5.201	1.077	0.305	-19.051	49.276
46095_6096	46095	6096	0.576	6.101	-1.077	-0.305	10.709	-52.763
46096_6096	46096	6096	-0.576	-6.101	1.077	0.308	-10.709	52.763
46096_6097	46096	6097	0.576	17.417	-1.077	-0.308	2.357	-143.951
46097_6097	46097	6097	-0.569	18.068	0.059	0.115	-2.357	143.847
46097_6098	46097	6098	0.569	-6.403	-0.059	-0.115	1.885	-46.038
46098_6098	46098	6098	-0.569	6.403	0.06	0.175	-1.885	46.037

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46098_6099	46098	6099	0.569	5.277	-0.06	-0.175	1.407	-41.53
46099_6099	46099	6099	-0.569	-5.277	0.059	0.121	-1.407	41.53
46099_6100	46099	6100	0.569	16.942	-0.059	-0.121	0.935	-130.336
46100_6100	46100	6100	-0.555	17.57	0.155	-0.038	-0.935	130.455
46100_6101	46100	6101	0.555	-8.81	-0.155	0.038	0.002	-51.274
46101_6101	46101	6101	-0.555	8.81	0.156	0.047	-0.002	51.274
46101_6102	46101	6102	0.555	-0.051	-0.156	-0.047	-0.935	-24.679
46102_6102	46102	6102	-0.555	0.051	0.155	0.006	0.935	24.679
46102_6103	46102	6103	0.555	8.709	-0.155	-0.006	-1.867	-50.667
46103_6103	46103	6103	-0.555	-8.709	0.156	0.088	1.867	50.667
46103_6104	46103	6104	0.555	17.454	-0.156	-0.088	-2.803	-129.062
46104_6104	46104	6104	-0.554	17.196	0.325	-0.113	2.803	129.066
46104_6105	46104	6105	0.554	-5.516	-0.325	0.113	-5.408	-38.176
46105_6105	46105	6105	-0.553	5.516	0.326	-0.066	5.408	38.176
46105_6106	46105	6106	0.553	6.163	-0.326	0.066	-8.019	-40.762
46106_6106	46106	6106	-0.553	-6.163	0.326	-0.067	8.019	40.762
46106_6107	46106	6107	0.553	17.827	-0.326	0.067	-10.625	-136.639
46107_6107	46107	6107	-0.558	17.221	-0.846	-0.277	10.625	136.663
46107_6108	46107	6108	0.558	-5.906	0.846	0.277	-4.066	-47.006
46108_6108	46108	6108	-0.558	5.906	-0.846	-0.277	4.066	47.006
46108_6109	46108	6109	0.558	5.408	0.846	0.277	2.494	-45.073
46109_6109	46109	6109	-0.559	-5.408	-0.845	-0.22	-2.494	45.072
46109_6110	46109	6110	0.559	19.262	0.845	0.22	10.52	-162.178
46110_6110	46110	6110	-0.548	19.035	1.069	-0.402	-10.52	162.185
46110_6111	46110	6111	0.548	-0.789	-1.069	0.402	-2.847	-38.247
46111_6111	46111	6111	-0.547	0.789	1.069	-0.371	2.847	38.247
46111_6112	46111	6112	0.547	17.457	-1.069	0.371	-16.218	-142.455
46112_6112	46112	6112	-0.567	14.388	-0.517	-0.759	16.218	142.359
46112_6113	46112	6113	0.567	4.939	0.517	0.759	-9.368	-79.788
46113_6113	46113	6113	-0.568	-4.939	-0.517	-0.578	9.368	79.777
46113_6114	46113	6114	0.568	22.051	0.517	0.578	-3.292	-238.387
46114_6114	46114	6114	-0.57	16.96	-0.559	-1.201	3.292	238.414
46114_6115	46114	6115	0.57	-4.946	0.559	1.201	1.324	-148.037
46115_6115	46115	6115	-0.57	4.946	-0.56	-1.27	-1.324	148.036
46115_6116	46115	6116	0.57	15.587	0.56	1.27	9.216	-223.074
46116_6116	46116	6116	-0.57	18.152	0.191	-0.852	-9.216	223.087
46116_6117	46116	6117	0.57	-1.843	-0.191	0.852	7.081	-111.096
46117_6117	46117	6117	-0.571	1.843	0.19	-0.951	-7.081	111.095
46117_6118	46117	6118	0.571	14.467	-0.19	0.951	4.952	-181.807
46118_6118	46118	6118	-0.57	17.007	-0.117	-0.395	-4.952	181.636
46118_6119	46118	6119	0.57	-0.698	0.117	0.395	6.264	-82.478
46119_6119	46119	6119	-0.57	0.698	-0.118	-0.469	-6.264	82.478
46119_6120	46119	6120	0.57	15.596	0.118	0.469	7.582	-165.84
46120_6120	46120	6120	-0.571	18.261	-0.01	0.234	-7.582	166.049
46120_6121	46120	6121	0.571	-0.729	0.01	-0.234	7.702	-51.719
46121_6121	46121	6121	-0.571	0.729	-0.01	0.19	-7.702	51.719
46121_6122	46121	6122	0.571	16.788	0.01	-0.19	7.828	-148.325
46122_6122	46122	6122	-0.571	16.848	0.037	0.864	-7.828	148.323
46122_6123	46122	6123	0.571	-0.541	-0.037	-0.864	7.416	-50.941
46123_6123	46123	6123	-0.571	0.541	0.036	0.819	-7.416	50.942
46123_6124	46123	6124	0.571	15.767	-0.036	-0.819	7.009	-136.216
46124_6124	46124	6124	-0.571	16.425	0.361	1.328	-7.009	136.222
46124_6125	46124	6125	0.571	-0.117	-0.361	-1.328	2.97	-43.58

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46125_6125	46125	6125	-0.571	0.117	0.361	1.328	-2.97	43.58
46125_6126	46125	6126	0.571	16.19	-0.361	-1.328	-1.069	-133.592
46126_6126	46126	6126	-0.568	14.51	0.684	1.461	1.069	133.586
46126_6127	46126	6127	0.568	5.291	-0.684	-1.461	-10.377	-70.893
46127_6127	46127	6127	-0.569	-5.291	0.684	1.396	10.377	70.894
46127_6128	46127	6128	0.569	17.303	-0.684	-1.396	-16.019	-164.096
46128_6128	46128	6128	-0.569	18.45	-0.417	1.087	16.019	163.945
46128_6129	46128	6129	0.569	-1.342	0.417	-1.087	-11.113	-47.662
46129_6129	46129	6129	-0.57	1.342	-0.417	1.206	11.113	47.686
46129_6130	46129	6130	0.57	17.956	0.417	-1.206	-5.592	-157.754
46130_6130	46130	6130	-0.574	17.431	-0.446	0.534	5.592	157.597
46130_6131	46130	6131	0.574	0.775	0.446	-0.534	-0.016	-53.499
46131_6131	46131	6131	-0.574	-0.775	-0.446	0.534	0.016	53.499
46131_6132	46131	6132	0.574	18.981	0.446	-0.534	5.559	-176.975
46132_6132	46132	6132	-3.138	18.387	-0.093	0.607	-5.559	153.385
46132_6133	46132	6133	3.138	-4.55	0.093	-0.607	6.441	-44.434
46133_6133	46133	6133	-3.138	4.55	-0.09	0.644	-6.441	44.433
46133_6134	46133	6134	3.138	6.737	0.09	-0.644	7.14	-52.908
46134_6134	46134	6134	-3.138	-6.737	-0.094	0.575	-7.14	52.909
46134_6135	46134	6135	3.138	18.025	0.094	-0.575	7.87	-148.863
46135_6135	46135	6135	-3.116	18.386	0.675	0.242	-7.87	149.05
46135_6136	46135	6136	3.116	-6.734	-0.675	-0.242	2.472	-48.565
46136_6136	46136	6136	-3.115	6.734	0.679	0.302	-2.472	48.565
46136_6137	46136	6137	3.115	4.918	-0.679	-0.302	-2.956	-41.301
46137_6137	46137	6137	-3.116	-4.918	0.675	0.251	2.956	41.302
46137_6138	46137	6138	3.116	16.57	-0.675	-0.251	-8.354	-127.259
46138_6138	46138	6138	-3.113	17.442	-0.073	0.228	8.354	127.157
46138_6139	46138	6139	3.113	-8.703	0.073	-0.228	-7.918	-48.718
46139_6139	46139	6139	-3.113	8.703	-0.067	0.309	7.918	48.718
46139_6140	46139	6140	3.113	0.036	0.067	-0.309	-7.513	-22.715
46140_6140	46140	6140	-3.113	-0.036	-0.073	0.271	7.513	22.716
46140_6141	46140	6141	3.113	8.775	0.073	-0.271	-7.077	-49.149
46141_6141	46141	6141	-3.113	-8.775	-0.073	0.271	7.077	49.149
46141_6142	46141	6142	3.113	17.514	0.073	-0.271	-6.641	-128.019
46142_6142	46142	6142	-3.114	17.068	0.236	0.108	6.641	127.928
46142_6143	46142	6143	3.114	-5.416	-0.236	-0.108	-8.532	-37.989
46143_6143	46143	6143	-3.114	5.416	0.24	0.155	8.532	37.988
46143_6144	46143	6144	3.114	6.236	-0.24	-0.155	-10.453	-41.269
46144_6144	46144	6144	-3.114	-6.236	0.236	0.104	10.453	41.269
46144_6145	46144	6145	3.114	17.888	-0.236	-0.104	-12.344	-137.771
46145_6145	46145	6145	-3.108	17.057	-1.11	0.004	12.344	137.656
46145_6146	46145	6146	3.108	-5.769	1.11	-0.004	-3.742	-49.205
46146_6146	46146	6146	-3.107	5.769	-1.114	-0.06	3.742	49.205
46146_6147	46146	6147	3.107	5.519	1.114	0.06	4.892	-48.238
46147_6147	46147	6147	-3.109	-5.519	-1.109	0.027	-4.892	48.234
46147_6148	46147	6148	3.109	19.356	1.109	-0.027	15.425	-166.396
46148_6148	46148	6148	-3.111	19.315	1.272	-0.135	-15.425	166.305
46148_6149	46148	6149	3.111	-1.109	-1.272	0.135	-0.475	-38.65
46149_6149	46149	6149	-3.11	1.109	1.274	-0.104	0.475	38.65
46149_6150	46149	6150	3.11	17.098	-1.274	0.104	-16.406	-138.584
46150_6150	46150	6150	-3.107	13.812	-0.311	-0.519	16.406	138.46
46150_6151	46150	6151	3.107	5.487	0.311	0.519	-12.288	-83.309
46151_6151	46151	6151	-3.107	-5.487	-0.309	-0.403	12.288	82.264

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46151_6152	46151	6152	3.107	23.338	0.309	0.403	-8.66	-251.617
46152_6152	46152	6152	-3.106	17.142	-0.556	-1.009	8.66	251.478
46152_6153	46152	6153	3.106	-4.623	0.556	1.009	-4.075	-161.804
46153_6153	46153	6153	-3.106	4.623	-0.555	-0.926	4.075	161.797
46153_6154	46153	6154	3.106	16.266	0.555	0.926	3.555	-241.845
46154_6154	46154	6154	-3.109	18.725	-0.219	-0.678	-3.555	241.847
46154_6155	46154	6155	3.109	-2.013	0.219	0.678	5.962	-127.786
46155_6155	46155	6155	-3.109	2.013	-0.219	-0.678	-5.962	127.786
46155_6156	46155	6156	3.109	14.698	0.219	0.678	8.369	-197.557
46156_6156	46156	6156	-3.109	16.551	-0.112	-0.145	-8.369	197.561
46156_6157	46156	6157	3.109	-1.358	0.112	0.145	9.494	-108.012
46157_6157	46157	6157	-3.109	1.358	-0.116	-0.252	-9.494	108.012
46157_6158	46157	6158	3.109	13.849	0.116	0.252	10.651	-170.53
46158_6158	46158	6158	-3.11	15.259	0.119	0.296	-10.651	170.392
46158_6159	46158	6159	3.11	-0.067	-0.119	-0.296	9.464	-93.76
46159_6159	46159	6159	-3.11	0.067	0.119	0.296	-9.464	93.76
46159_6160	46159	6160	3.11	15.14	-0.119	-0.296	8.276	-169.206
46160_6160	46160	6160	-3.112	16.731	0.336	0.735	-8.276	169.21
46160_6161	46160	6161	3.112	-0.019	-0.336	-0.735	4.579	-77.081
46161_6161	46161	6161	-3.112	0.019	0.336	0.735	-4.579	77.081
46161_6162	46161	6162	3.112	16.692	-0.336	-0.735	0.882	-168.784
46162_6162	46162	6162	-3.111	15.553	0.228	1.022	-0.882	168.786
46162_6163	46162	6163	3.111	5.321	-0.228	-1.022	-2.246	-98.493
46163_6163	46163	6163	-3.111	-5.321	0.226	0.974	2.246	98.485
46163_6164	46163	6164	3.111	17.855	-0.226	-0.974	-4.112	-194.09
46164_6164	46164	6164	-3.114	19.463	0.562	0.661	4.112	194.197
46164_6165	46164	6165	3.114	-1.612	-0.562	-0.661	-10.713	-70.378
46165_6165	46165	6165	-3.113	1.612	0.565	0.718	10.713	70.72
46165_6166	46165	6166	3.113	19.054	-0.565	-0.718	-18.196	-186.277
46166_6166	46166	6166	-3.092	19.209	-1.941	0.304	18.196	186.276
46166_6167	46166	6167	3.092	0.288	1.941	-0.304	6.068	-68.015
46167_6167	46167	6167	-3.093	-0.288	-1.939	0.359	-6.068	68.015
46167_6168	46167	6168	3.093	19.784	1.939	-0.359	30.301	-193.47
46168_6168	46168	6168	-3.122	20.378	1.579	0.225	-30.301	193.47
46168_6169	46168	6169	3.122	-5.561	-1.579	-0.225	15.299	-70.258
46169_6169	46169	6169	-3.121	5.561	1.581	0.268	-15.299	70.253
46169_6170	46169	6170	3.121	6.527	-1.581	-0.268	3.043	-74
46170_6170	46170	6170	-3.121	-6.527	1.581	0.268	-3.043	74
46170_6171	46170	6171	3.121	18.615	-1.581	-0.268	-9.213	-171.429
46171_6171	46171	6171	-3.122	19.573	0.005	0.096	9.213	171.3
46171_6172	46171	6172	3.122	-7.095	-0.005	-0.096	-9.249	-64.625
46172_6172	46172	6172	-3.122	7.095	0.008	0.177	9.249	64.625
46172_6173	46172	6173	3.122	5.383	-0.008	-0.177	-9.316	-57.776
46173_6173	46173	6173	-3.122	-5.383	0.005	0.105	9.316	57.776
46173_6174	46173	6174	3.122	17.861	-0.005	-0.105	-9.352	-150.754
46174_6174	46174	6174	-3.122	18.834	0.103	0.03	9.352	150.668
46174_6175	46174	6175	3.122	-9.475	-0.103	-0.03	-9.97	-65.737
46175_6175	46175	6175	-3.122	9.475	0.103	0.03	9.97	65.737
46175_6176	46175	6176	3.122	-0.117	-0.103	-0.03	-10.588	-36.958
46176_6176	46176	6176	-3.122	0.117	0.103	0.03	10.588	36.958
46176_6177	46176	6177	3.122	9.241	-0.103	-0.03	-11.206	-64.331
46177_6177	46177	6177	-3.122	-9.241	0.103	0.03	11.206	64.331
46177_6178	46177	6178	3.122	18.6	-0.103	-0.03	-11.823	-147.856

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46178_6178	46178	6178	-3.123	18.334	0.355	-0.06	11.823	147.77
46178_6179	46178	6179	3.123	-5.856	-0.355	0.06	-14.665	-51.006
46179_6179	46179	6179	-3.124	5.856	0.351	-0.123	14.665	51.006
46179_6180	46179	6180	3.124	6.622	-0.351	0.123	-17.476	-54.067
46180_6180	46180	6180	-3.123	-6.622	0.355	-0.056	17.476	54.067
46180_6181	46180	6181	3.123	19.099	-0.355	0.056	-20.318	-156.953
46181_6181	46181	6181	-3.118	18.272	-1.72	-0.221	20.318	156.826
46181_6182	46181	6182	3.118	-6.184	1.72	0.221	-6.989	-62.057
46182_6182	46182	6182	-3.12	6.184	-1.716	-0.141	6.989	62.057
46182_6183	46182	6183	3.12	5.904	1.716	0.141	6.309	-60.972
46183_6183	46183	6183	-3.119	-5.904	-1.718	-0.174	-6.309	60.966
46183_6184	46183	6184	3.119	20.721	1.718	0.174	22.629	-187.44
46184_6184	46184	6184	-3.154	20.599	1.935	-0.239	-22.629	187.284
46184_6185	46184	6185	3.154	-1.103	-1.935	0.239	-1.559	-51.642
46185_6185	46185	6185	-3.154	1.103	1.935	-0.239	1.559	51.642
46185_6186	46185	6186	3.154	18.378	-1.935	0.239	-25.728	-159.531
46186_6186	46186	6186	-3.123	15.717	-0.483	-0.562	25.728	159.661
46186_6187	46186	6187	3.123	4.95	0.483	0.562	-19.333	-88.329
46187_6187	46187	6187	-3.123	-4.95	-0.483	-0.599	19.333	87.615
46187_6188	46187	6188	3.123	24.066	0.483	0.599	-13.655	-258.09
46188_6188	46188	6188	-3.12	19.339	-1.024	-1.219	13.655	258.222
46188_6189	46188	6189	3.12	-5.917	1.024	1.219	-5.208	-154.038
46189_6189	46189	6189	-3.118	5.917	-1.028	-1.455	5.208	154.056
46189_6190	46189	6190	3.118	16.453	1.028	1.455	8.932	-226.495
46190_6190	46190	6190	-3.122	19.474	-0.606	-1.133	-8.932	226.497
46190_6191	46190	6191	3.122	-1.578	0.606	1.133	15.597	-110.707
46191_6191	46191	6191	-3.122	1.578	-0.606	-1.133	-15.597	110.707
46191_6192	46191	6192	3.122	16.318	0.606	1.133	22.262	-191.781
46192_6192	46192	6192	-3.125	17.461	-0.214	-0.54	-22.262	191.785
46192_6193	46192	6193	3.125	-1.192	0.214	0.54	24.406	-98.52
46193_6193	46193	6193	-3.125	1.192	-0.214	-0.539	-24.406	98.52
46193_6194	46193	6194	3.125	15.094	0.214	0.539	26.552	-168.103
46194_6194	46194	6194	-3.134	16.147	0.682	0.122	-26.552	168.111
46194_6195	46194	6195	3.134	0.139	-0.682	-0.122	19.729	-87.986
46195_6195	46195	6195	-3.134	-0.139	0.682	0.122	-19.729	87.986
46195_6196	46195	6196	3.134	16.424	-0.682	-0.122	12.905	-170.884
46196_6196	46196	6196	-3.121	17.754	-0.224	0.858	-12.905	170.895
46196_6197	46196	6197	3.121	0.142	0.224	-0.858	15.372	-74.022
46197_6197	46197	6197	-3.121	-0.142	-0.224	0.858	-15.372	74.022
46197_6198	46197	6198	3.121	18.038	0.224	-0.858	17.839	-174.014
46198_6198	46198	6198	-3.126	16.501	0.075	1.175	-17.839	174.02
46198_6199	46198	6199	3.126	5.853	-0.075	-1.175	16.806	-100.859
46199_6199	46199	6199	-3.126	-5.853	0.08	1.322	-16.806	100.851
46199_6200	46199	6200	3.126	19.275	-0.08	-1.322	16.148	-204.503
46200_6200	46200	6200	-3.125	20.994	0.005	1.097	-16.148	204.505
46200_6201	46200	6201	3.125	-1.878	-0.005	-1.097	16.085	-70.126
46201_6201	46201	6201	-3.125	1.878	0.006	1.091	-16.085	70.391
46201_6202	46201	6202	3.125	20.522	-0.006	-1.091	16.006	-193.909
46202_6202	46202	6202	-3.096	20.708	-2.044	0.816	-16.006	193.904
46202_6203	46202	6203	3.096	0.423	2.044	-0.816	41.557	-67.119
46203_6203	46203	6203	-3.096	-0.423	-2.044	0.816	-41.557	67.119
46203_6204	46203	6204	3.096	21.555	2.044	-0.816	67.108	-204.486
46204_6204	46204	6204	-3.149	22.043	1.709	0.932	-67.108	204.489

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46204_6205	46204	6205	3.149	-5.983	-1.709	-0.932	50.874	-71.361
46205_6205	46205	6205	-3.148	5.983	1.711	0.969	-50.874	71.35
46205_6206	46205	6206	3.148	7.119	-1.711	-0.969	37.614	-75.751
46206_6206	46206	6206	-3.15	-7.119	1.707	0.872	-37.614	75.752
46206_6207	46206	6207	3.15	20.22	-1.707	-0.872	24.386	-181.694
46207_6207	46207	6207	-3.134	20.995	0.726	0.876	-24.386	181.69
46207_6208	46207	6208	3.134	-7.471	-0.726	-0.876	18.576	-67.823
46208_6208	46208	6208	-3.135	7.471	0.722	0.791	-18.576	67.824
46208_6209	46208	6209	3.135	6.053	-0.722	-0.791	12.799	-62.154
46209_6209	46209	6209	-3.134	-6.053	0.726	0.869	-12.799	62.153
46209_6210	46209	6210	3.134	19.578	-0.726	-0.869	6.99	-164.68
46210_6210	46210	6210	-3.137	20.384	0.836	0.778	-6.99	164.68
46210_6211	46210	6211	3.137	-10.241	-0.836	-0.778	1.975	-72.802
46211_6211	46211	6211	-3.137	10.241	0.836	0.778	-1.975	72.802
46211_6212	46211	6212	3.137	-0.098	-0.836	-0.778	-3.04	-41.784
46212_6212	46212	6212	-3.137	0.098	0.836	0.778	3.04	41.784
46212_6213	46212	6213	3.137	10.045	-0.836	-0.778	-8.055	-71.628
46213_6213	46213	6213	-3.137	-10.045	0.836	0.778	8.055	71.628
46213_6214	46213	6214	3.137	20.188	-0.836	-0.778	-13.069	-162.332
46214_6214	46214	6214	-3.135	19.966	0.861	0.75	13.069	162.326
46214_6215	46214	6215	3.135	-6.442	-0.861	-0.75	-19.956	-56.691
46215_6215	46215	6215	-3.135	6.442	0.861	0.75	19.956	56.691
46215_6216	46215	6216	3.135	7.082	-0.861	-0.75	-26.842	-59.249
46216_6216	46216	6216	-3.135	-7.082	0.861	0.75	26.842	59.249
46216_6217	46216	6217	3.135	20.606	-0.861	-0.75	-33.728	-170.002
46217_6217	46217	6217	-3.102	19.872	-1.683	0.727	33.728	170
46217_6218	46217	6218	3.102	-6.77	1.683	-0.727	-20.686	-66.76
46218_6218	46218	6218	-3.104	6.77	-1.679	0.813	20.686	66.759
46218_6219	46218	6219	3.104	6.331	1.679	-0.813	-7.675	-65.059
46219_6219	46219	6219	-3.104	-6.331	-1.678	0.825	7.675	65.056
46219_6220	46219	6220	3.104	22.374	1.678	-0.825	8.253	-201.266
46220_6220	46220	6220	-3.149	22.368	2.118	0.607	-8.253	201.277
46220_6221	46220	6221	3.149	-1.235	-2.118	-0.607	-18.23	-53.738
46221_6221	46221	6221	-3.149	1.235	2.118	0.607	18.23	53.738
46221_6222	46221	6222	3.149	19.898	-2.118	-0.607	-44.714	-170.395
46222_6222	46222	6222	-3.193	17.301	-2.347	0.647	44.714	170.381
46222_6223	46222	6223	3.193	5.101	2.347	-0.647	-13.619	-89.548
46223_6223	46223	6223	-3.192	-5.101	-2.348	1.254	13.619	88.257
46223_6224	46223	6224	3.192	25.806	2.348	-1.254	13.976	-269.858
46224_6224	46224	6224	-3.139	21.691	1.515	-0.029	-13.976	269.77
46224_6225	46224	6225	3.139	-7.167	-1.515	0.029	1.491	-150.829
46225_6225	46225	6225	-3.137	7.167	1.518	0.119	-1.491	150.815
46225_6226	46225	6226	3.137	19.626	-1.518	-0.119	-21.589	-245.546
46226_6226	46226	6226	-3.142	21.946	0.168	0.175	21.589	245.64
46226_6227	46226	6227	3.142	-1.27	-0.168	-0.175	-23.558	-109.426
46227_6227	46227	6227	-3.141	1.27	0.189	0.92	23.558	109.422
46227_6228	46227	6228	3.141	19.411	-0.189	-0.92	-25.779	-215.883
46228_6228	46228	6228	-3.147	21.018	2.296	-0.009	25.779	215.83
46228_6229	46228	6229	3.147	-0.351	-2.296	0.009	-52.714	-90.5
46229_6229	46229	6229	-3.145	0.351	2.299	0.064	52.714	90.5
46229_6230	46229	6230	3.145	20.335	-2.299	-0.064	-79.704	-207.809
46230_6230	46230	6230	-2.908	21.457	-7.598	0.687	79.704	207.729
46230_6231	46230	6231	2.908	-0.048	7.598	-0.687	12.609	-77.081

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46231_6231	46231	6231	-2.971	0.048	-7.573	1.321	-12.609	77.073
46231_6232	46231	6232	2.971	21.368	7.573	-1.321	104.664	-206.64
46232_6232	46232	6232	-3.3	21.26	12.636	-1.636	-104.664	206.689
46232_6233	46232	6233	3.3	0.815	-12.636	1.636	-53.642	-78.613
46233_6233	46233	6233	-3.304	-0.815	12.635	-1.758	53.642	78.592
46233_6234	46233	6234	3.304	20.401	-12.635	1.758	-194.092	-196.51
46234_6234	46234	6234	0.348	19.837	-17.246	1.162	194.092	198.992
46234_6235	46234	6235	-0.348	-1.891	17.246	-1.162	-18.442	-88.343
46235_6235	46235	6235	0.097	1.891	-17.249	2.173	18.442	88.25
46235_6236	46235	6236	-0.097	16.691	17.249	-2.173	152.728	-161.679
46236_6236	46236	6236	-0.969	17.059	11.091	-0.67	-152.728	161.768
46236_6237	46236	6237	0.969	0.939	-11.091	0.67	46.13	-84.304
46237_6237	46237	6237	-0.957	-0.939	11.092	-0.58	-46.13	84.305
46237_6238	46237	6238	0.957	20.59	-11.092	0.58	-70.27	-197.27
46238_6238	46238	6238	-0.117	23.425	-2.503	0.334	70.27	197.442
46238_6239	46238	6239	0.117	0.055	2.503	-0.334	-38.884	-50.929
46239_6239	46239	6239	-0.132	-0.055	-2.502	0.643	38.884	50.927
46239_6240	46239	6240	0.132	22.456	2.502	-0.643	-8.949	-185.568
46240_6240	46240	6240	-0.259	20.571	-0.298	0.142	8.949	185.477
46240_6241	46240	6241	0.259	-1.877	0.298	-0.142	-5.976	-73.43
46241_6241	46241	6241	-0.259	1.877	-0.297	0.282	5.976	73.43
46241_6242	46241	6242	0.259	16.162	0.297	-0.282	-3.112	-142.235
46242_6242	46242	6242	-0.302	17.848	0.646	0.093	3.112	142.295
46242_6243	46242	6243	0.302	1.336	-0.646	-0.093	-9.734	-57.716
46243_6243	46243	6243	-0.302	-1.336	0.646	0.098	9.734	57.716
46243_6244	46243	6244	0.302	18.904	-0.646	-0.098	-15.799	-152.656
46244_6244	46244	6244	-0.259	19.033	-0.308	0.063	15.799	152.612
46244_6245	46244	6245	0.259	-1.532	0.308	-0.063	-12.924	-56.511
46245_6245	46245	6245	-0.262	1.532	-0.305	0.55	12.924	56.509
46245_6246	46245	6246	0.262	17.714	0.305	-0.55	-9.786	-139.666
46246_6246	46246	6246	-0.336	16.1	1.944	0.105	9.786	139.667
46246_6247	46246	6247	0.336	2.714	-1.944	-0.105	-29.315	-72.425
46247_6247	46247	6247	-0.337	-2.714	1.944	0.072	29.315	72.425
46247_6248	46247	6248	0.337	20.643	-1.944	-0.072	-47.923	-184.236
46248_6248	46248	6248	-0.163	22.289	-3.155	-0.056	47.923	184.302
46248_6249	46248	6249	0.163	2.562	3.155	0.056	-6.055	-53.408
46249_6249	46249	6249	-0.21	-2.562	-3.152	0.748	6.055	53.403
46249_6250	46249	6250	0.21	23.589	3.152	-0.748	29.339	-200.223
46250_6250	46250	6250	-0.244	21.877	2.292	0.317	-29.339	200.22
46250_6251	46250	6251	0.244	0.676	-2.292	-0.317	1.735	-72.548
46251_6251	46251	6251	-0.246	-0.676	2.292	0.258	-1.735	72.548
46251_6252	46251	6252	0.246	18.61	-2.292	-0.258	-20.214	-164.906
46252_6252	46252	6252	-0.202	18.711	-0.307	0.703	20.214	164.887
46252_6253	46252	6253	0.202	2.863	0.307	-0.703	-16.673	-73.59
46253_6253	46253	6253	-0.204	-2.863	-0.306	1.056	16.673	73.586
46253_6254	46253	6254	0.204	21.772	0.306	-1.056	-13.579	-197.97
46254_6254	46254	6254	-0.212	19.136	0.289	-2.36	13.579	197.693
46254_6255	46254	6255	0.212	2.992	-0.289	2.36	-16.817	-107.313
46255_6255	46255	6255	-0.212	-2.992	0.289	-2.373	16.817	107.313
46255_6256	46255	6256	0.212	29.281	-0.289	2.373	-20.665	-321.973
46256_6256	46256	6256	-0.207	23.753	-1.541	-2.56	20.665	322.009
46256_6257	46256	6257	0.207	-1.027	1.541	2.56	-2.946	-179.531
46257_6257	46257	6257	-0.218	1.027	-1.539	-1.25	2.946	179.544

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46257_6258	46257	6258	0.218	21.799	1.539	1.25	14.833	-299.507
46258_6258	46258	6258	-0.228	21.447	-2.109	-2.253	-14.833	299.695
46258_6259	46258	6259	0.228	1.673	2.109	2.253	39.501	-184.029
46259_6259	46259	6259	-0.23	-1.673	-2.109	-2.146	-39.501	184.03
46259_6260	46259	6260	0.23	24.116	2.109	2.146	63.446	-330.46
46260_6260	46260	6260	-0.236	20.614	-2.349	-3.997	-63.446	330.636
46260_6261	46260	6261	0.236	2.114	2.349	3.997	90.464	-224.257
46261_6261	46261	6261	-0.259	-2.114	-2.347	-1.798	-90.464	224.286
46261_6262	46261	6262	0.259	24.954	2.347	1.798	117.588	-380.702
46262_6262	46262	6262	-0.332	23.616	-5.89	-3.464	-117.588	380.626
46262_6263	46262	6263	0.332	-1.254	5.89	3.464	184.24	-239.918
46263_6263	46263	6263	-0.328	1.254	-5.891	-3.604	-184.24	239.914
46263_6264	46263	6264	0.328	23.884	5.891	3.604	259.168	-383.835
46264_6264	46264	6264	-0.286	27.432	-2.795	-1.584	-259.168	383.988
46264_6265	46264	6265	0.286	-1.322	2.795	1.584	296.093	-194.041
46265_6265	46265	6265	-0.29	1.322	-2.795	-1.305	-296.093	194.043
46265_6266	46265	6266	0.29	21.411	2.795	1.305	328.24	-309.586
46266_6266	46266	6266	0.288	23.715	15.43	-0.342	-328.24	309.563
46266_6267	46266	6267	-0.288	-2.714	-15.43	0.342	164.267	-169.132
46267_6267	46267	6267	0.325	2.714	15.429	0.065	-164.267	169.133
46267_6268	46267	6268	-0.325	14.226	-15.429	-0.065	32.009	-218.472
46268_6268	46268	6268	0.003	20.867	0.791	0.754	-32.009	218.746
46268_6269	46268	6269	-0.003	4.532	-0.791	-0.754	22.001	-115.419
46269_6269	46269	6269	0.002	-4.532	0.791	0.706	-22.001	115.419
46269_6270	46269	6270	-0.002	26.406	-0.791	-0.706	13.383	-283.952
46270_6270	46270	6270	0.003	35.905	0.558	0.536	-13.383	283.87
46270_6271	46270	6271	-0.003	-12.472	-0.558	-0.536	6.865	-1.566
46271_6271	46271	6271	0.01	12.472	0.558	0.555	-6.865	1.56
46271_6272	46271	6272	-0.01	12.215	-0.558	-0.555	0	0.025
46372_6372	46372	6372	-0.027	8.794	-0.788	0.297	0	-0.055
46372_6373	46372	6373	0.027	9.705	0.788	-0.297	9.755	-5.583
46373_6373	46373	6373	-0.028	-9.705	-0.788	0.299	-9.755	5.583
46373_6374	46373	6374	0.028	27.065	0.788	-0.299	18.909	-219.184
46374_6374	46374	6374	0.008	19.541	1.056	0.634	-18.909	219.176
46374_6375	46374	6375	-0.008	-2.987	-1.056	-0.634	7.214	-94.38
46375_6375	46375	6375	0.007	2.987	1.056	0.553	-7.214	94.381
46375_6376	46375	6376	-0.007	11.89	-1.056	-0.553	-3.297	-138.705
46376_6376	46376	6376	0.014	13.925	0.508	0.141	3.297	138.684
46376_6377	46376	6377	-0.014	3.587	-0.508	-0.141	-9.256	-78.101
46377_6377	46377	6377	0.02	-3.587	0.508	1.093	9.256	78.094
46377_6378	46377	6378	-0.02	20.577	-0.508	-1.093	-15.035	-215.477
46378_6378	46378	6378	-0.245	19.565	-0.225	0.232	15.035	214.514
46378_6379	46378	6379	0.245	0.042	0.225	-0.232	-12.077	-86.416
46379_6379	46379	6379	-0.245	-0.042	-0.225	0.253	12.077	86.416
46379_6380	46379	6380	0.245	16.018	0.225	-0.253	-9.668	-172.277
46380_6380	46380	6380	-0.252	15.796	-0.403	0.172	9.668	172.143
46380_6381	46380	6381	0.252	0.316	0.403	-0.172	-5.317	-88.684
46381_6381	46381	6381	-0.255	-0.316	-0.402	0.775	5.317	88.681
46381_6382	46381	6382	0.255	14.769	0.402	-0.775	-1.431	-161.639
46382_6382	46382	6382	-0.258	18.108	-0.017	0.64	1.431	162.136
46382_6383	46382	6383	0.258	-0.961	0.017	-0.64	-1.239	-52.722
46383_6383	46383	6383	-0.258	0.961	-0.017	0.615	1.239	52.722
46383_6384	46383	6384	0.258	16.291	0.017	-0.615	-1.044	-141.22

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46384_6384	46384	6384	-0.263	17.711	-0.555	1.047	1.044	141.072
46384_6385	46384	6385	0.263	-1.465	0.555	-1.047	5.039	-35.951
46385_6385	46385	6385	-0.263	1.465	-0.555	1.024	-5.039	35.952
46385_6386	46385	6386	0.263	15.643	0.555	-1.024	11.448	-117.802
46386_6386	46386	6386	-0.256	17.888	0.224	0.924	-11.448	117.772
46386_6387	46386	6387	0.256	-0.826	-0.224	-0.924	8.866	-10.024
46387_6387	46387	6387	-0.254	0.826	0.226	1.002	-8.866	10.016
46387_6388	46387	6388	0.254	17.655	-0.226	-1.002	6.046	-114.959
46388_6388	46388	6388	-0.25	17.9	0.482	1.06	-6.046	115.056
46388_6389	46388	6389	0.25	0.476	-0.482	-1.06	0.067	-7.01
46389_6389	46389	6389	-0.25	-0.476	0.482	1.055	-0.067	7.01
46389_6390	46389	6390	0.25	17.63	-0.482	-1.055	-5.512	-111.812
46390_6390	46390	6390	-0.247	17.652	0.444	0.942	5.512	111.85
46390_6391	46390	6391	0.247	1.517	-0.444	-0.942	-11.25	-7.482
46391_6391	46391	6391	-0.244	-1.517	0.445	0.994	11.25	7.475
46391_6392	46391	6392	0.244	17.876	-0.445	-0.994	-16.166	-114.531
46392_6392	46392	6392	-0.25	17.273	-0.015	0.846	16.166	114.568
46392_6393	46392	6393	0.25	0.355	0.015	-0.846	-15.983	-13.932
46393_6393	46393	6393	-0.25	-0.355	-0.015	0.851	15.983	13.932
46393_6394	46393	6394	0.25	18.259	0.015	-0.851	-15.799	-126.389
46394_6394	46394	6394	-0.234	17.419	1.54	0.573	15.799	125.931
46394_6395	46394	6395	0.234	0.174	-1.54	-0.573	-34.085	-23.562
46395_6395	46395	6395	-0.221	-0.174	1.542	0.762	34.085	23.556
46395_6396	46395	6396	0.221	18.096	-1.542	-0.762	-52.735	-134.039
46396_6396	46396	6396	-0.272	15.472	-2.797	0.273	52.735	134.104
46396_6397	46396	6397	0.272	2.37	2.797	-0.273	-19.061	-55.222
46397_6397	46397	6397	-0.275	-2.37	-2.796	0.316	19.061	55.222
46397_6398	46397	6398	0.275	20.047	2.796	-0.316	14.299	-188.941
46398_6398	46398	6398	-0.267	24.261	0.712	1.03	-14.299	188.962
46398_6399	46398	6399	0.267	-5.647	-0.712	-1.03	5.361	-1.103
46399_6399	46399	6399	-0.245	5.647	0.719	1.063	-5.361	1.071
46399_6400	46399	6400	0.245	5.395	-0.719	-1.063	0	-0.131
46572_6572	46572	6572	-0.011	8.706	-0.093	0.559	0	-0.102
46572_6573	46572	6573	0.011	9.802	0.093	-0.559	1.148	-6.681
46573_6573	46573	6573	-0.011	-9.802	-0.093	0.56	-1.148	6.681
46573_6574	46573	6574	0.011	27.047	0.093	-0.56	2.218	-219.326
46574_6574	46574	6574	-0.001	19.67	-0.114	0.33	-2.218	219.282
46574_6575	46574	6575	0.001	-3.4	0.114	-0.33	3.454	-93.682
46575_6575	46575	6575	-0.001	3.4	-0.114	0.325	-3.454	93.682
46575_6576	46575	6576	0.001	11.301	0.114	-0.325	4.571	-132.551
46576_6576	46576	6576	-0.015	13.328	0.957	-0.114	-4.571	132.495
46576_6577	46576	6577	0.015	4.357	-0.957	0.114	-6.75	-79.408
46577_6577	46577	6577	-0.002	-4.357	0.957	0.929	6.75	79.403
46577_6578	46577	6578	0.002	21.509	-0.957	-0.929	-17.732	-227.858
46578_6578	46578	6578	0.219	20.546	-0.36	0.173	17.732	229.705
46578_6579	46578	6579	-0.219	-1.299	0.36	-0.173	-13.095	-89.004
46579_6579	46579	6579	0.219	1.299	-0.36	0.214	13.095	89.004
46579_6580	46579	6580	-0.219	14.912	0.36	-0.214	-9.187	-162.847
46580_6580	46580	6580	0.226	15.567	-0.2	-0.138	9.187	162.988
46580_6581	46580	6581	-0.226	0.307	0.2	0.138	-7.065	-81.922
46581_6581	46581	6581	0.224	-0.307	-0.201	0.479	7.065	81.921
46581_6582	46581	6582	-0.224	14.922	0.201	-0.479	-5.094	-156.399
46582_6582	46582	6582	0.227	17.772	-0.206	0.208	5.094	156.114

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46582_6583	46582	6583	-0.227	-1.035	0.206	-0.208	-2.788	-50.782
46583_6583	46583	6583	0.227	1.035	-0.206	0.261	2.788	50.782
46583_6584	46583	6584	-0.227	16.44	0.206	-0.261	-0.377	-140.869
46584_6584	46584	6584	0.208	17.875	-1.045	0.391	0.377	141.18
46584_6585	46584	6585	-0.208	-1.853	1.045	-0.391	10.922	-34.52
46585_6585	46585	6585	0.208	1.853	-1.045	0.392	-10.922	34.52
46585_6586	46585	6586	-0.208	15.384	1.045	-0.392	23.078	-113.224
46586_6586	46586	6586	0.232	17.711	0.798	0.722	-23.078	113.408
46586_6587	46586	6587	-0.232	-0.85	-0.798	-0.722	13.997	-7.806
46587_6587	46587	6587	0.237	0.85	0.797	0.771	-13.997	7.802
46587_6588	46587	6588	-0.237	17.727	-0.797	-0.771	4.009	-113.593
46588_6588	46588	6588	0.226	17.754	0.173	0.935	-4.009	113.136
46588_6589	46588	6589	-0.226	0.446	-0.173	-0.935	1.89	-6.84
46589_6589	46589	6589	0.226	-0.446	0.173	0.932	-1.89	6.841
46589_6590	46589	6590	-0.226	17.668	-0.173	-0.932	-0.117	-112.104
46590_6590	46590	6590	0.233	17.554	0.482	1.034	0.117	111.713
46590_6591	46590	6591	-0.233	1.5	-0.482	-1.034	-6.313	-8.492
46591_6591	46591	6591	0.237	-1.5	0.48	1.097	6.313	8.484
46591_6592	46591	6592	-0.237	17.852	-0.48	-1.097	-11.612	-115.267
46592_6592	46592	6592	0.234	17.3	0.281	1.159	11.612	115.975
46592_6593	46592	6593	-0.234	0.091	-0.281	-1.159	-14.911	-14.989
46593_6593	46593	6593	0.234	-0.091	0.281	1.162	14.911	14.989
46593_6594	46593	6594	-0.234	18.125	-0.281	-1.162	-18.331	-125.839
46594_6594	46594	6594	0.239	17.067	0.492	1.041	18.331	125.846
46594_6595	46594	6595	-0.239	0.533	-0.492	-1.041	-24.175	-27.657
46595_6595	46595	6595	0.242	-0.533	0.49	1.244	24.175	27.648
46595_6596	46595	6596	-0.242	18.337	-0.49	-1.244	-30.065	-141.009
46596_6596	46596	6596	0.227	16.316	-0.641	1.204	30.065	141.217
46596_6597	46596	6597	-0.227	1.491	0.641	-1.204	-22.362	-52.134
46597_6597	46597	6597	0.228	-1.491	-0.641	1.183	22.362	52.135
46597_6598	46597	6598	-0.228	19.096	0.641	-1.183	-14.746	-174.439
46598_6598	46598	6598	0.228	22.81	-0.882	1.018	14.746	174.439
46598_6599	46598	6599	-0.228	-4.249	0.882	-1.018	-3.701	-4.964
46599_6599	46599	6599	0.226	4.249	-0.882	1.028	3.701	4.962
46599_6600	46599	6600	-0.226	1.967	0.882	-1.028	0	-0.175
47000_7000	47000	7000	0.102	450.517	7.117	-0.619	0	-5.196
47000_7001	47000	7001	-0.102	-419.879	-7.117	0.619	-74.772	4577.561
47001_7001	47001	7001	0.102	419.879	7.117	-0.596	74.772	-4577.56
47001_7002	47001	7002	-0.102	-392.479	-7.117	0.596	-141.644	8394.113
47002_7002	47002	7002	0.058	335.634	-6.284	5.792	141.644	-8394.12
47002_7003	47002	7003	-0.058	-300.328	6.284	-5.792	-65.555	12244.08
47003_7003	47003	7003	0.052	300.328	-6.284	-5.567	65.555	-12244.1
47003_7004	47003	7004	-0.052	-264.997	6.284	5.567	10.588	15668.85
47004_7004	47004	7004	0.07	220.314	0.271	15.49	-10.588	-15668.9
47004_7005	47004	7005	-0.07	-185.016	-0.271	-15.49	7.313	18122.17
47005_7005	47005	7005	0.071	185.016	0.27	-16.14	-7.313	-18122.2
47005_7006	47005	7006	-0.071	-149.696	-0.27	16.14	4.037	20149.22
47006_7006	47006	7006	0.074	107.026	1.083	18.209	-4.037	-20149.4
47006_7007	47006	7007	-0.074	-71.71	-1.083	-18.209	-9.079	21231.69
47007_7007	47007	7007	0.075	71.71	1.083	-18.797	9.079	-21231.7
47007_7008	47007	7008	-0.075	-36.373	-1.083	18.797	-22.2	21886.58
47008_7008	47008	7008	0.072	-5.872	-0.393	18.64	22.2	-21886.7
47008_7009	47008	7009	-0.072	41.177	0.393	-18.64	-17.439	21601.9

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47009_7009	47009	7009	0.071	-41.177	-0.393	-18.99	17.439	-21601.9
47009_7010	47009	7010	-0.071	76.503	0.393	18.99	-12.673	20889.09
47010_7010	47010	7010	0.076	-117.725	0.808	15.726	12.673	-20889.3
47010_7011	47010	7011	-0.076	153.048	-0.808	-15.726	-22.459	19249.33
47011_7011	47011	7011	0.078	-153.048	0.808	-15.818	22.459	-19249.3
47011_7012	47011	7012	-0.078	188.363	-0.808	15.818	-32.242	17181.96
47012_7012	47012	7012	0.076	-230.551	0.198	12.379	32.242	-17182.1
47012_7013	47012	7013	-0.076	265.863	-0.198	-12.379	-34.634	14176.41
47013_7013	47013	7013	0.077	-265.863	0.197	-12.267	34.634	-14176.4
47013_7014	47013	7014	-0.077	301.197	-0.197	12.267	-37.026	10740.86
47014_7014	47014	7014	0.081	-344.486	1.182	3.817	37.026	-10741
47014_7015	47014	7015	-0.081	390.682	-1.182	-3.817	-55.755	4917.701
47015_7015	47015	7015	4.515	-390.656	1.182	-3.359	55.717	-4917.65
47015_7016	47015	7016	-4.77	413.152	-1.182	3.359	-65.478	1598.907
47016_7016	47016	7016	15.164	-462.039	1.251	-1.819	65.471	-1600.01
47016_7017	47016	7017	-16.217	494.137	-1.251	1.819	-80.178	-4020.02
47017_7017	47017	7017	30.049	-493.486	1.251	3.674	80.549	4020.088
47017_7018	47017	7018	-32.417	532.331	-1.251	-3.674	-97.145	-10825.6
47018_7018	47018	7018	51.632	-579.727	-2.762	-19.506	95.357	10825.38
47018_7019	47018	7019	-55.064	618.221	2.762	19.506	-60.717	-18341.1
47019_7019	47019	7019	72.108	-616.464	-2.763	22.295	65.221	18341.07
47019_7020	47019	7020	-76.903	657.411	2.763	-22.295	-30.504	-26353.2
47020_7020	47020	7020	-2460.94	214.241	-18.203	-3.01	420.103	5837.885
47020_7021	47020	7021	2460.938	-187.669	18.203	3.01	-247.19	-3928.95
47021_7021	47021	7021	-2460.95	187.669	-16.745	-1.744	247.19	3914.006
47021_7022	47021	7022	2460.948	-168.104	16.745	1.744	-117.453	-2535.76
47022_7022	47022	7022	-2460.97	168.104	-13.588	1.509	117.453	2535.764
47022_7023	47022	7023	2460.968	-148.541	13.588	-1.509	-12.192	-1309.28
47023_7023	47023	7023	-2460.99	100.237	-7.034	-0.933	12.192	1309.182
47023_7024	47023	7024	2460.988	-80.016	7.034	0.933	44.129	-587.503
47024_7024	47024	7024	-2461	80.016	-4.309	-0.282	-44.129	587.503
47024_7025	47024	7025	2460.995	-59.823	4.309	0.282	78.581	-28.402
47025_7025	47025	7025	-2461	59.823	-4.309	-0.282	-78.581	28.402
47025_7026	47025	7026	2460.995	-39.629	4.309	0.282	113.034	369.227
47026_7026	47026	7026	-2461	-8.281	-4.034	-0.304	-113.034	-369.33
47026_7027	47026	7027	2460.998	23.444	4.034	0.304	137.255	274.089
47027_7027	47027	7027	-2461	-23.444	-4.472	-0.255	-137.255	-274.089
47027_7028	47027	7028	2460.997	38.581	4.472	0.255	164.059	88.193
47028_7028	47028	7028	-2461	-38.581	0.042	-0.417	-164.059	-88.192
47028_7029	47028	7029	2461.001	53.741	-0.042	0.417	163.805	-188.919
47029_7029	47029	7029	-2461	-53.741	0.042	-0.417	-163.805	188.919
47029_7030	47029	7030	2461.001	68.901	-0.042	0.417	163.552	-557.036
47030_7030	47030	7030	-2461.01	-116.44	1.642	-1.463	-163.552	557.021
47030_7031	47030	7031	2461.005	136.626	-1.642	1.463	150.43	-1568.43
47031_7031	47031	7031	-2461.01	-136.626	1.961	-1.259	-150.43	1568.425
47031_7032	47031	7032	2461.005	156.836	-1.961	1.259	134.736	-2742.73
47032_7032	47032	7032	-2461	-156.836	5.02	2.15	-134.736	2742.733
47032_7033	47032	7033	2461.001	177.044	-5.02	-2.15	94.568	-4078.61
47033_7033	47033	7033	-2460.96	-226.22	12.631	0.627	-94.568	4078.677
47033_7034	47033	7034	2460.962	245.789	-12.631	-0.627	-3.314	-5907.56
47034_7034	47034	7034	-2460.98	-245.789	9.472	-6.957	3.314	5907.556
47034_7035	47034	7035	2460.976	265.361	-9.472	6.957	-76.723	-7888.36
47035_7035	47035	7035	-2460.95	-265.361	14.186	7.508	76.723	7904.085

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47035_7036	47035	7036	2460.953	291.928	-14.186	-7.508	-211.454	-10550.5
47036_7036	47036	7036	76.19	550.933	1.305	-12.156	-31.294	32334.98
47036_7037	47036	7037	-71.395	-509.979	-1.305	12.156	14.9	-25661.8
47037_7037	47037	7037	57.305	511.767	1.296	8.621	-17.034	25661.79
47037_7038	47037	7038	-53.873	-473.28	-1.296	-8.621	0.796	-19483.4
47038_7038	47038	7038	38.028	432.182	1.14	-8.816	0.505	19483.78
47038_7039	47038	7039	-35.661	-393.323	-1.14	8.816	-15.643	-14005.7
47039_7039	47039	7039	24.083	394.121	1.115	19.38	14.609	13981.56
47039_7040	47039	7040	-23.042	-362.368	-1.115	-19.38	-27.714	-9534.61
47040_7040	47040	7040	15.081	310.947	-0.065	-10.503	28.305	9535.057
47040_7041	47040	7041	-14.831	-288.918	0.065	10.503	-27.766	-7061.45
47041_7041	47041	7041	11.739	289.124	-0.088	2.575	27.683	7055.242
47041_7042	47041	7042	-11.739	-252.203	0.088	-2.575	-26.332	-2879.87
47042_7042	47042	7042	11.737	206.676	-1.28	-1.9	26.332	2879.923
47042_7043	47042	7043	-11.737	-178.195	1.28	1.9	-11.104	-589.932
47043_7043	47043	7043	11.735	178.195	-1.299	-0.913	11.104	589.934
47043_7044	47043	7044	-11.735	-149.719	1.299	0.913	4.356	1360.861
47044_7044	47044	7044	11.739	108.912	0.126	0.664	-4.356	-1360.87
47044_7045	47044	7045	-11.739	-80.413	-0.126	-0.664	2.854	2488.04
47045_7045	47045	7045	11.739	80.413	0.117	-1.233	-2.854	-2488.04
47045_7046	47045	7046	-11.739	-51.941	-0.117	1.233	1.46	3275.311
47046_7046	47046	7046	11.739	10.945	0.133	3.729	-1.46	-3275.33
47046_7047	47046	7047	-11.739	17.547	-0.133	-3.729	-0.12	3236.037
47047_7047	47047	7047	11.739	-17.547	0.113	-1.688	0.12	-3236.04
47047_7048	47047	7048	-11.739	46.035	-0.113	1.688	-1.467	2857.635
47048_7048	47048	7048	11.738	-87.489	-0.072	2.742	1.467	-2857.66
47048_7049	47048	7049	-11.738	115.974	0.072	-2.742	-0.614	1646.839
47049_7049	47049	7049	11.738	-115.974	-0.082	1.363	0.614	-1646.84
47049_7050	47049	7050	-11.738	144.458	0.082	-1.363	0.357	97.104
47050_7050	47050	7050	11.741	-186.169	1.285	0.92	-0.357	-97.121
47050_7051	47050	7051	-11.741	223.078	-1.285	-0.92	-19.456	-3058.49
47051_7051	47051	7051	14.462	-222.864	1.265	5.939	19.512	3060.63
47051_7052	47051	7052	-14.693	243.201	-1.265	-5.939	-29.945	-4982.4
47052_7052	47052	7052	21.771	-290.822	0.445	-5.126	29.712	4982.268
47052_7053	47052	7053	-22.731	320.105	-0.445	5.126	-34.948	-8575.43
47053_7053	47053	7053	31.976	-319.245	0.419	13.513	35.978	8579.088
47053_7054	47053	7054	-34.27	356.8	-0.419	-13.513	-41.537	-13065.1
47054_7054	47054	7054	48.471	-400.144	-2.517	-12.028	39.675	13064.97
47054_7055	47054	7055	-51.788	437.247	2.517	12.028	-8.12	-18317.1
47055_7055	47055	7055	63.946	-435.601	-2.536	16.789	11.233	18317.08
47055_7056	47055	7056	-68.564	474.955	2.536	-16.789	20.634	-24043.6
47056_7056	47056	7056	-2052.46	270.084	-11.245	-4.993	173.806	8028.542
47056_7057	47056	7057	2052.455	-244.317	11.245	4.993	-66.902	-5583.45
47057_7057	47057	7057	-2052.47	244.317	-8.886	1.398	66.902	5549.516
47057_7058	47057	7058	2052.467	-223.769	8.886	-1.398	1.973	-3735.45
47058_7058	47058	7058	-2052.48	223.769	-6.245	6.205	-1.973	3735.449
47058_7059	47058	7059	2052.477	-203.223	6.245	-6.205	50.373	-2080.8
47059_7059	47059	7059	-2052.47	156.759	-5.771	0.073	-50.373	2080.876
47059_7060	47059	7060	2052.472	-135.574	5.771	-0.073	96.486	-912.849
47060_7060	47060	7060	-2052.48	135.574	-3.026	1.294	-96.486	912.848
47060_7061	47060	7061	2052.478	-114.365	3.026	-1.294	120.692	86.951
47061_7061	47061	7061	-2052.48	114.365	-0.466	1.185	-120.692	-86.953
47061_7062	47061	7062	2052.48	-93.158	0.466	-1.185	124.423	917.008

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47062_7062	47062	7062	-2052.48	47.96	-1.946	2.344	-124.423	-917.156
47062_7063	47062	7063	2052.479	-32.042	1.946	-2.344	136.107	1157.351
47063_7063	47063	7063	-2052.48	32.042	1.464	0.421	-136.107	-1157.35
47063_7064	47063	7064	2052.48	-16.125	-1.464	-0.421	127.315	1301.952
47064_7064	47064	7064	-2052.48	16.125	1.231	0.57	-127.315	-1301.95
47064_7065	47064	7065	2052.48	-0.235	-1.231	-0.57	119.938	1350.984
47065_7065	47065	7065	-2052.48	0.235	1.464	0.416	-119.938	-1350.98
47065_7066	47065	7066	2052.48	15.682	-1.464	-0.416	111.146	1304.613
47066_7066	47066	7066	-2052.48	-61.194	5.023	1.038	-111.146	-1304.53
47066_7067	47066	7067	2052.477	82.396	-5.023	-1.038	70.977	730.34
47067_7067	47067	7067	-2052.48	-82.396	5.023	1.038	-70.977	-730.34
47067_7068	47067	7068	2052.477	103.598	-5.023	-1.038	30.807	-13.411
47068_7068	47068	7068	-2052.48	-103.598	5.193	1.039	-30.807	13.411
47068_7069	47068	7069	2052.476	124.826	-5.193	-1.039	-10.772	-927.969
47069_7069	47069	7069	-2052.45	-170.509	10.074	-1.006	10.772	928.111
47069_7070	47069	7070	2052.453	191.044	-10.074	1.006	-88.809	-2328.43
47070_7070	47070	7070	-2052.44	-191.044	12.719	1.994	88.809	2328.432
47070_7071	47070	7071	2052.439	211.577	-12.719	-1.994	-187.32	-3887.69
47071_7071	47071	7071	-2052.44	-211.577	12.919	2.441	187.32	3918.36
47071_7072	47071	7072	2052.437	237.324	-12.919	-2.441	-310.041	-6050.41
47072_7072	47072	7072	74.642	509.579	2.531	-6.144	3.654	21792.63
47072_7073	47072	7073	-70.024	-470.199	-2.531	6.144	-35.479	-15627.5
47073_7073	47073	7073	56.991	471.98	2.52	5.357	34.13	15627.54
47073_7074	47073	7074	-53.674	-434.859	-2.52	-5.357	-65.73	-9937.58
47074_7074	47074	7074	38.841	394.463	-1.073	0.317	66.139	9937.78
47074_7075	47074	7075	-36.547	-356.927	1.073	-0.317	-51.908	-4954.43
47075_7075	47075	7075	25.724	357.878	-1.099	8.569	51.664	4948.921
47075_7076	47075	7076	-24.796	-329.571	1.099	-8.569	-38.746	-908.7
47076_7076	47076	7076	17.533	281.879	0.08	-1.02	38.928	908.771
47076_7077	47076	7077	-17.309	-262.196	-0.08	1.02	-39.591	1336.539
47077_7077	47077	7077	14.465	262.425	0.064	-2.911	39.598	-1339.62
47077_7078	47077	7078	-14.465	-227.07	-0.064	2.911	-40.487	4761.626
47078_7078	47078	7078	14.46	188.53	-0.925	1.838	40.487	-4761.66
47078_7079	47078	7079	-14.46	-160.219	0.925	-1.838	-30.126	6714.07
47079_7079	47079	7079	14.46	160.219	-0.938	-3.828	30.126	-6714.07
47079_7080	47079	7080	-14.46	-131.933	0.938	3.828	-19.638	8348.091
47080_7080	47080	7080	14.462	95.475	-0.011	3.787	19.638	-8348.16
47080_7081	47080	7081	-14.462	-67.193	0.011	-3.787	-19.514	9257.88
47081_7081	47081	7081	14.462	67.193	-0.025	-4.9	19.514	-9257.88
47081_7082	47081	7082	-14.462	-38.886	0.025	4.9	-19.237	9851.63
47082_7082	47082	7082	14.461	0.426	-0.192	4.13	19.237	-9851.7
47082_7083	47082	7083	-14.461	29.98	0.192	-4.13	-16.924	9674.007
47083_7083	47083	7083	14.461	-29.98	-0.204	-3.906	16.924	-9674.01
47083_7084	47083	7084	-14.461	60.385	0.204	3.906	-14.466	9130.708
47084_7084	47084	7084	14.46	-98.524	-0.258	4.094	14.466	-9130.77
47084_7085	47084	7085	-14.46	126.825	0.258	-4.094	-11.582	7869.659
47085_7085	47085	7085	14.46	-126.825	-0.27	-2.603	11.582	-7869.66
47085_7086	47085	7086	-14.46	155.1	0.27	2.603	-8.564	6293.4
47086_7086	47086	7086	14.46	-192.231	-0.16	4.85	8.564	-6293.43
47086_7087	47086	7087	-14.46	220.53	0.16	-4.85	-6.778	3983.691
47087_7087	47087	7087	14.459	-220.53	-0.185	-2.262	6.778	-3983.69
47087_7088	47087	7088	-14.459	248.827	0.185	2.262	-4.703	1357.468
47088_7088	47088	7088	14.462	-285.56	0.629	-0.546	4.703	-1357.47

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47088_7089	47088	7089	-14.462	319.576	-0.629	0.546	-13.166	-2712.82
47089_7089	47089	7089	18.183	-319.344	0.602	4.334	13.206	2718.716
47089_7090	47089	7090	-18.419	340.133	-0.602	-4.334	-18.17	-5438.2
47090_7090	47090	7090	27.236	-382.762	0.378	-7.511	17.877	5438.049
47090_7091	47090	7091	-28.217	412.667	-0.378	7.511	-22.319	-10113.3
47091_7091	47091	7091	39.908	-411.636	0.355	8.63	23.104	10112.89
47091_7092	47091	7092	-42.158	448.569	-0.355	-8.63	-27.809	-15821
47092_7092	47092	7092	58.739	-491.012	-2.618	-16.14	25.881	15820.69
47092_7093	47092	7093	-61.996	527.536	2.618	16.14	6.949	-22209.8
47093_7093	47093	7093	76.582	-525.589	-2.642	19.33	-3.253	22209.83
47093_7094	47093	7094	-81.123	564.367	2.642	-19.33	36.453	-29065.6
47094_7094	47094	7094	-2340.23	241.218	-7.533	-5.686	75.839	8674.011
47094_7095	47094	7095	2340.226	-215.898	7.533	5.686	-4.233	-6501.32
47095_7095	47095	7095	-2340.23	215.898	-5.416	0.036	4.233	6503.302
47095_7096	47095	7096	2340.232	-195.862	5.416	-0.036	37.71	-4908.82
47096_7096	47096	7096	-2340.24	195.862	-2.294	6.583	-37.71	4908.816
47096_7097	47096	7097	2340.237	-175.8	2.294	-6.583	55.501	-3467.81
47097_7097	47097	7097	-2340.24	131.715	-0.577	-2.982	-55.501	3467.804
47097_7098	47097	7098	2340.24	-111.032	0.577	2.982	60.115	-2497.48
47098_7098	47098	7098	-2340.24	111.032	2.444	0.242	-60.115	2497.479
47098_7099	47098	7099	2340.238	-90.324	-2.444	-0.242	40.556	-1691.63
47099_7099	47099	7099	-2340.23	90.324	5.366	2.354	-40.556	1691.629
47099_7100	47099	7100	2340.233	-69.617	-5.366	-2.354	-2.393	-1051.55
47100_7100	47100	7100	-2340.26	25.994	-0.387	-0.118	2.393	1051.666
47100_7101	47100	7101	2340.255	-10.489	0.387	0.118	-0.074	-942.346
47101_7101	47101	7101	-2340.25	10.489	3.633	1.5	0.074	942.344
47101_7102	47101	7102	2340.252	5.041	-3.633	-1.5	-21.884	-925.992
47102_7102	47102	7102	-2340.25	-5.041	-4.16	-1.583	21.884	925.992
47102_7103	47102	7103	2340.251	20.572	4.16	1.583	3.087	-1002.87
47103_7103	47103	7103	-2340.26	-20.572	-0.387	0.034	-3.087	1002.873
47103_7104	47103	7104	2340.255	36.077	0.387	-0.034	5.406	-1172.62
47104_7104	47104	7104	-2340.25	-79.945	-4.028	-1.488	-5.406	1172.524
47104_7105	47104	7105	2340.254	100.652	4.028	1.488	37.644	-1895.27
47105_7105	47105	7105	-2340.26	-100.652	-1.105	0.879	-37.644	1895.267
47105_7106	47105	7106	2340.257	121.358	1.105	-0.879	46.489	-2783.71
47106_7106	47106	7106	-2340.26	-121.358	-1.193	0.774	-46.489	2783.709
47106_7107	47106	7107	2340.257	142.039	1.193	-0.774	56.025	-3836.46
47107_7107	47107	7107	-2340.25	-185.69	4.431	-2.465	-56.025	3836.51
47107_7108	47107	7108	2340.247	205.748	-4.431	2.465	21.667	-5353.94
47108_7108	47108	7108	-2340.25	-205.748	4.431	-2.465	-21.667	5353.94
47108_7109	47108	7109	2340.247	225.806	-4.431	2.465	-12.691	-7026.88
47109_7109	47109	7109	-2340.24	-225.806	6.746	4.31	12.691	7024.243
47109_7110	47109	7110	2340.241	251.093	-6.746	-4.31	-76.736	-9287.98
47110_7110	47110	7110	91.916	548.716	1.937	-19.998	-13.562	29921.54
47110_7111	47110	7111	-87.375	-509.919	-1.937	19.998	-10.793	-23260.2
47111_7111	47111	7111	73.266	512.163	1.894	16.776	6.884	23260.23
47111_7112	47111	7112	-70.009	-475.626	-1.894	-16.776	-30.629	-17062.2
47112_7112	47112	7112	54.231	437.468	-0.341	-4.689	32.393	17062.57
47112_7113	47112	7113	-51.981	-400.552	0.341	4.689	-27.877	-11504.7
47113_7113	47113	7113	40.065	401.944	-0.376	9.655	27.329	11506.8
47113_7114	47113	7114	-39.094	-372.33	0.376	-9.655	-22.91	-6955.02
47114_7114	47114	7114	30.96	325.884	-0.203	-2.92	23.176	6955.276
47114_7115	47114	7115	-30.726	-305.294	0.203	2.92	-21.504	-4351.02

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47115_7115	47115	7115	27.428	305.661	-0.218	-0.74	21.484	4339.733
47115_7116	47115	7116	-27.428	-272.763	0.218	0.74	-18.436	-298.632
47116_7116	47116	7116	27.427	233.471	-0.638	-0.547	18.436	298.634
47116_7117	47116	7117	-27.427	-207.121	0.638	0.547	-11.298	2166.914
47117_7117	47117	7117	27.427	207.121	-0.662	-2.448	11.298	-2166.91
47117_7118	47117	7118	-27.427	-180.794	0.662	2.448	-3.898	4335.704
47118_7118	47118	7118	27.426	145.619	-0.072	-0.801	3.898	-4335.69
47118_7119	47118	7119	-27.426	-119.27	0.072	0.801	-3.093	5817.934
47119_7119	47119	7119	27.426	119.27	-0.072	-0.801	3.093	-5817.93
47119_7120	47119	7120	-27.426	-92.921	0.072	0.801	-2.288	7005.294
47120_7120	47120	7120	27.427	54.715	-0.109	6.359	2.288	-7005.32
47120_7121	47120	7121	-27.427	-26.412	0.109	-6.359	-0.977	7492.936
47121_7121	47121	7121	27.426	26.412	-0.155	-6.106	0.977	-7492.94
47121_7122	47121	7122	-27.426	1.89	0.155	6.106	0.882	7640.322
47122_7122	47122	7122	27.426	-39.753	-0.158	4.214	-0.882	-7640.33
47122_7123	47122	7123	-27.426	66.101	0.158	-4.214	2.645	7048.036
47123_7123	47123	7123	27.426	-66.101	-0.182	-2.083	-2.645	-7048.04
47123_7124	47123	7124	-27.426	92.448	0.182	2.083	4.683	6160.907
47124_7124	47124	7124	27.426	-129.697	0.032	5.932	-4.683	-6160.91
47124_7125	47124	7125	-27.426	156.044	-0.032	-5.932	4.321	4562.111
47125_7125	47125	7125	27.426	-156.044	-0.017	-2.222	-4.321	-4562.11
47125_7126	47125	7126	-27.426	182.391	0.017	2.222	4.507	2668.51
47126_7126	47126	7126	27.43	-219.503	0.763	2.112	-4.507	-2668.49
47126_7127	47126	7127	-27.43	251.336	-0.763	-2.112	-5.802	-514.469
47127_7127	47127	7127	30.419	-250.966	0.726	2.586	5.822	522.722
47127_7128	47127	7128	-30.634	269.87	-0.726	-2.586	-11.811	-2671.31
47128_7128	47128	7128	38.13	-315.665	0.861	-1.817	11.703	2671.194
47128_7129	47128	7129	-39.023	342.875	-0.861	1.817	-21.819	-6541.91
47129_7129	47129	7129	48.788	-341.561	0.804	10.356	22.532	6540.151
47129_7130	47129	7130	-50.968	377.332	-0.804	-10.356	-33.18	-11310.4
47130_7130	47130	7130	65.277	-416.278	-3.127	-3.689	32.225	11310.27
47130_7131	47130	7131	-68.436	451.707	3.127	3.689	6.933	-16755.3
47131_7131	47131	7131	84.624	-448.92	-3.145	8.008	-5.617	16755.27
47131_7132	47131	7132	-89.036	484.133	3.145	-8.008	42.518	-22245.5
47132_7132	47132	7132	-2038.89	216.911	21.303	7.146	-322.185	6376.851
47132_7133	47132	7133	2038.894	-190.329	-21.303	-7.146	102.334	-4275.49
47133_7133	47133	7133	-2038.92	190.329	18.673	-0.006	-102.334	4298.155
47133_7134	47133	7134	2038.92	-172.078	-18.673	0.006	-42.379	-2893.83
47134_7134	47134	7134	-2038.96	172.078	13.421	-7.459	42.379	2893.817
47134_7135	47134	7135	2038.961	-153.804	-13.421	7.459	-146.527	-1629.39
47135_7135	47135	7135	-2038.93	115.465	-4.436	-0.52	146.527	1629.472
47135_7136	47135	7136	2038.934	-96.649	4.436	0.52	-111.082	-782.057
47136_7136	47136	7136	-2038.94	96.649	-1.872	0.463	111.082	782.058
47136_7137	47136	7137	2038.938	-77.81	1.872	-0.463	-96.109	-84.213
47137_7137	47137	7137	-2038.94	77.81	-1.872	0.463	96.109	84.213
47137_7138	47137	7138	2038.938	-58.97	1.872	-0.463	-81.137	462.912
47138_7138	47138	7138	-2038.93	19.788	-4.386	0.816	81.137	-462.973
47138_7139	47138	7139	2038.934	-5.658	4.386	-0.816	-54.819	539.313
47139_7139	47139	7139	-2038.94	5.658	-0.988	-0.082	54.819	-539.314
47139_7140	47139	7140	2038.939	8.472	0.988	0.082	-48.889	530.873
47140_7140	47140	7140	-2038.94	-8.472	-0.988	-0.082	48.889	-530.873
47140_7141	47140	7141	2038.939	22.601	0.988	0.082	-42.96	437.654
47141_7141	47141	7141	-2038.94	-22.601	-0.988	-0.082	42.96	-437.654

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47141_7142	47141	7142	2038.939	36.731	0.988	0.082	-37.031	259.655
47142_7142	47142	7142	-2038.94	-77.918	-3.826	-0.058	37.031	-259.726
47142_7143	47142	7143	2038.936	96.758	3.826	0.058	-6.421	-438.995
47143_7143	47143	7143	-2038.94	-96.758	-1.278	0.491	6.421	438.994
47143_7144	47143	7144	2038.939	115.598	1.278	-0.491	3.799	-1288.43
47144_7144	47144	7144	-2038.94	-115.598	-1.278	0.491	-3.799	1288.429
47144_7145	47144	7145	2038.939	134.437	1.278	-0.491	14.019	-2288.58
47145_7145	47145	7145	-2038.93	-178.083	-2.252	2.21	-14.019	2288.51
47145_7146	47145	7146	2038.932	196.334	2.252	-2.21	31.471	-3739.4
47146_7146	47146	7146	-2038.93	-196.334	-4.883	-2.614	-31.471	3739.396
47146_7147	47146	7147	2038.928	214.585	4.883	2.614	69.311	-5331.74
47147_7147	47147	7147	-2038.93	-214.585	-2.459	3.13	-69.311	5311.926
47147_7148	47147	7148	2038.932	239.056	2.459	-3.13	92.676	-7466.75
47148_7148	47148	7148	103.642	476.336	1.231	-8.698	-21.727	24112.35
47148_7149	47148	7149	-99.23	-438.65	-1.231	8.698	6.272	-18356.9
47149_7149	47149	7149	87.06	441.247	1.193	6.119	-7.852	18356.95
47149_7150	47149	7150	-83.901	-405.818	-1.193	-6.119	-7.095	-13043.6
47150_7150	47150	7150	69.884	365.185	0.85	-1.956	7.788	13043.51
47150_7151	47150	7151	-67.704	-329.414	-0.85	1.956	-19.076	-8434.69
47151_7151	47151	7151	57.615	331.317	0.806	2.821	18.874	8446.491
47151_7152	47151	7152	-56.698	-303.364	-0.806	-2.821	-28.344	-4716.34
47152_7152	47152	7152	50.027	252.086	-1.769	-0.288	28.42	4716.221
47152_7153	47152	7153	-49.806	-232.661	1.769	0.288	-13.827	-2716.55
47153_7153	47153	7153	47.343	233.233	-1.723	-2.82	13.816	2715.731
47153_7154	47153	7154	-47.343	-201.86	1.723	2.82	9.873	275.586
47154_7154	47154	7154	47.334	159.458	0.259	-1.225	-9.873	-275.577
47154_7155	47154	7155	-47.334	-134.359	-0.259	1.225	7.03	1891.599
47155_7155	47155	7155	47.334	134.359	0.259	-1.225	-7.03	-1891.6
47155_7156	47155	7156	-47.334	-109.261	-0.259	1.225	4.186	3231.529
47156_7156	47156	7156	47.336	73.254	-0.215	-2.393	-4.186	-3231.53
47156_7157	47156	7157	-47.336	-50.437	0.215	2.393	6.332	3849.991
47157_7157	47157	7157	47.336	50.437	-0.167	1.457	-6.332	-3849.99
47157_7158	47157	7158	-47.336	-27.62	0.167	-1.457	8.005	4240.282
47158_7158	47158	7158	47.333	-5.642	0.139	-1.686	-8.005	-4240.28
47158_7159	47158	7159	-47.333	28.482	-0.139	1.686	6.614	4069.486
47159_7159	47159	7159	47.333	-28.482	0.187	2.404	-6.614	-4069.49
47159_7160	47159	7160	-47.333	51.299	-0.187	-2.404	4.748	3670.575
47160_7160	47160	7160	47.332	-88.651	0.361	0.064	-4.748	-3670.56
47160_7161	47160	7161	-47.332	113.75	-0.361	-0.064	0.777	2557.346
47161_7161	47161	7161	47.332	-113.75	0.404	2.389	-0.777	-2557.35
47161_7162	47161	7162	-47.332	138.849	-0.404	-2.389	-3.666	1168.034
47162_7162	47162	7162	47.329	-179.423	0.874	1.172	3.666	-1168.04
47162_7163	47162	7163	-47.329	210.796	-0.874	-1.172	-15.679	-1514.76
47163_7163	47163	7163	49.873	-210.222	0.828	2.531	15.7	1515.177
47163_7164	47163	7164	-50.094	229.647	-0.828	-2.531	-22.53	-3329.73
47164_7164	47164	7164	56.852	-278.341	1.059	-0.304	22.492	3329.843
47164_7165	47164	7165	-57.769	306.294	-1.059	0.304	-34.941	-6766.16
47165_7165	47165	7165	66.559	-304.463	1.027	3.966	35.224	6759.415
47165_7166	47165	7166	-68.767	340.673	-1.027	-3.966	-48.845	-11037
47166_7166	47166	7166	83.144	-391.417	-1.809	-4.18	48.295	11036.8
47166_7167	47166	7167	-86.342	427.287	1.809	4.18	-25.618	-16172.7
47167_7167	47167	7167	98.177	-424.714	-1.847	7.983	27.011	16172.73
47167_7168	47167	7168	-102.641	462.841	1.847	-7.983	-3.807	-21756.2

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47168_7168	47168	7168	-1974.84	245.858	3.116	-3.576	-91.974	6810.478
47168_7169	47168	7169	1974.836	-221.052	-3.116	3.576	62.373	-4592.61
47169_7169	47169	7169	-1974.83	221.052	5.396	0.614	-62.373	4617.316
47169_7170	47169	7170	1974.831	-202.298	-5.396	-0.614	20.555	-2976.81
47170_7170	47170	7170	-1974.83	202.298	5.396	0.614	-20.555	2976.812
47170_7171	47170	7171	1974.831	-183.544	-5.396	-0.614	-21.263	-1481.66
47171_7171	47171	7171	-1974.8	136.184	0.548	0.42	21.263	1481.555
47171_7172	47171	7172	1974.798	-116.825	-0.548	-0.42	-25.645	-469.508
47172_7172	47172	7172	-1974.8	116.825	-1.921	-0.167	25.645	469.508
47172_7173	47172	7173	1974.797	-97.465	1.921	0.167	-10.279	387.667
47173_7173	47173	7173	-1974.8	97.465	0.548	-0.652	10.279	-387.667
47173_7174	47173	7174	1974.798	-78.106	-0.548	0.652	-14.661	1089.959
47174_7174	47174	7174	-1974.8	33.601	0.95	-0.472	14.661	-1090.05
47174_7175	47174	7175	1974.8	-19.081	-0.95	0.472	-20.362	1248.092
47175_7175	47175	7175	-1974.8	19.081	-2.341	1.608	20.362	-1248.09
47175_7176	47175	7176	1974.799	-4.561	2.341	-1.608	-6.314	1319.02
47176_7176	47176	7176	-1974.8	4.561	0.95	-0.59	6.314	-1319.02
47176_7177	47176	7177	1974.8	9.958	-0.95	0.59	-12.015	1302.83
47177_7177	47177	7177	-1974.8	-9.958	0.95	-0.59	12.015	-1302.83
47177_7178	47177	7178	1974.8	24.478	-0.95	0.59	-17.715	1199.522
47178_7178	47178	7178	-1974.8	-69.531	1.067	-0.403	17.715	-1199.61
47178_7179	47178	7179	1974.801	88.89	-1.067	0.403	-26.251	565.917
47179_7179	47179	7179	-1974.8	-88.89	-1.401	0.304	26.251	-565.917
47179_7180	47179	7180	1974.801	108.25	1.401	-0.304	-15.04	-222.66
47180_7180	47180	7180	-1974.8	-108.25	1.067	0.583	15.04	222.659
47180_7181	47180	7181	1974.801	127.609	-1.067	-0.583	-23.576	-1166.11
47181_7181	47181	7181	-1974.77	-174.561	-3.76	2.68	23.576	1166.02
47181_7182	47181	7182	1974.771	193.316	3.76	-2.68	5.568	-2591.56
47182_7182	47182	7182	-1974.77	-193.316	-3.76	2.68	-5.568	2591.564
47182_7183	47182	7183	1974.771	212.07	3.76	-2.68	34.712	-4162.46
47183_7183	47183	7183	-1974.77	-212.07	-6.04	-2.982	-34.712	4142.601
47183_7184	47183	7184	1974.766	236.876	6.04	2.982	92.096	-6275.14
47184_7184	47184	7184	104.399	474.226	2.235	5.059	-17.159	21166.23
47184_7185	47184	7185	-99.935	-436.099	-2.235	-5.059	-10.92	-15440.1
47185_7185	47185	7185	87.825	438.716	2.273	-7.504	12.201	15440.07
47185_7186	47185	7186	-84.626	-402.846	-2.273	7.504	-40.7	-10161.1
47186_7186	47186	7186	70.426	358	-1.4	-1.897	40.084	10161.14
47186_7187	47186	7187	-68.218	-321.762	1.4	1.897	-21.498	-5650.77
47187_7187	47187	7187	58.234	323.656	-1.368	-3.523	21.464	5656.89
47187_7188	47187	7188	-57.276	-294.437	1.368	3.523	-5.387	-2024.24
47188_7188	47188	7188	50.78	239.805	-0.33	-2.184	5.344	2024.239
47188_7189	47188	7189	-50.549	-219.492	0.33	2.184	-2.619	-129.564
47189_7189	47189	7189	48.245	220.079	-0.283	-2.28	2.589	136.514
47189_7190	47189	7190	-48.245	-185.823	0.283	2.28	1.308	2654.109
47190_7190	47190	7190	48.245	141.999	-0.284	-1.757	-1.308	-2654.1
47190_7191	47190	7191	-48.245	-114.594	0.284	1.757	4.429	4065.381
47191_7191	47191	7191	48.245	114.594	-0.284	-1.757	-4.429	-4065.38
47191_7192	47191	7192	-48.245	-87.188	0.284	1.757	7.549	5175.198
47192_7192	47192	7192	48.246	47.992	-0.593	-0.637	-7.549	-5175.18
47192_7193	47192	7193	-48.246	-23.129	0.593	0.637	13.469	5530.082
47193_7193	47193	7193	48.246	23.129	-0.593	-0.664	-13.469	-5530.08
47193_7194	47193	7194	-48.246	1.76	0.593	0.664	19.398	5636.819
47194_7194	47194	7194	48.242	-37.33	-0.038	3.04	-19.398	-5636.83

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47194_7195	47194	7195	-48.242	62.218	0.038	-3.04	19.773	5139.582
47195_7195	47195	7195	48.242	-62.218	-0.086	-2.105	-19.773	-5139.58
47195_7196	47195	7196	-48.242	87.107	0.086	2.105	20.631	4393.692
47196_7196	47196	7196	48.234	-126.711	0.648	1.554	-20.631	-4393.67
47196_7197	47196	7197	-48.234	154.116	-0.648	-1.554	13.503	2849.103
47197_7197	47197	7197	48.234	-154.116	0.648	1.554	-13.503	-2849.1
47197_7198	47197	7198	-48.234	181.521	-0.648	-1.554	6.376	1003.075
47198_7198	47198	7198	48.238	-223.129	0.328	1.416	-6.376	-1003.08
47198_7199	47198	7199	-48.238	257.36	-0.328	-1.416	1.87	-2297.94
47199_7199	47199	7199	51.397	-256.753	0.281	3.716	-1.839	2283.495
47199_7200	47199	7200	-51.642	277.907	-0.281	-3.716	-0.479	-4489.1
47200_7200	47200	7200	59.655	-327.468	0.461	4.962	0.59	4489.139
47200_7201	47200	7201	-60.672	357.884	-0.461	-4.962	-6.004	-8517.58
47201_7201	47201	7201	71.029	-355.963	0.506	-2.124	5.702	8518.728
47201_7202	47201	7202	-73.531	396.467	-0.506	2.124	-12.409	-13512
47202_7202	47202	7202	89.611	-446.144	-2.649	9.712	13.435	13511.98
47202_7203	47202	7203	-93.21	486.038	2.649	-9.712	19.778	-19360.7
47203_7203	47203	7203	106.734	-483.24	-2.611	-5.151	-21.35	19360.7
47203_7204	47203	7204	-111.716	525.392	2.611	5.151	54.154	-25707.3
47204_7204	47204	7204	-2187.51	277.159	-2.163	2.89	29.153	8724.728
47204_7205	47204	7205	2187.505	-249.295	2.163	-2.89	-8.607	-6224.04
47205_7205	47205	7205	-2187.5	249.295	-4.762	-4.833	8.607	5981.404
47205_7206	47205	7206	2187.501	-228.045	4.762	4.833	28.302	-4131.67
47206_7206	47206	7206	-2187.51	228.045	-1.94	0.498	-28.302	4131.676
47206_7207	47206	7207	2187.505	-206.795	1.94	-0.498	43.336	-2446.65
47207_7207	47207	7207	-2187.52	155.629	-0.369	0.603	-43.336	2446.654
47207_7208	47207	7208	2187.519	-133.694	0.369	-0.603	46.291	-1289.35
47208_7208	47208	7208	-2187.52	133.694	-0.369	0.603	-46.291	1289.345
47208_7209	47208	7209	2187.519	-111.759	0.369	-0.603	49.245	-307.519
47209_7209	47209	7209	-2187.52	111.759	-3.104	0.219	-49.245	307.519
47209_7210	47209	7210	2187.517	-89.824	3.104	-0.219	74.075	498.829
47210_7210	47210	7210	-2187.54	38.928	1.151	0.501	-74.075	-498.808
47210_7211	47210	7211	2187.536	-22.476	-1.151	-0.501	67.17	683.022
47211_7211	47211	7211	-2187.54	22.476	1.151	0.501	-67.17	-683.022
47211_7212	47211	7212	2187.536	-6.025	-1.151	-0.501	60.265	768.528
47212_7212	47212	7212	-2187.54	6.025	-2.495	1.782	-60.265	-768.526
47212_7213	47212	7213	2187.535	10.426	2.495	-1.782	75.234	755.322
47213_7213	47213	7213	-2187.54	-10.426	1.151	0.523	-75.234	-755.324
47213_7214	47213	7214	2187.536	26.878	-1.151	-0.523	68.329	643.411
47214_7214	47214	7214	-2187.55	-78.834	2.539	1.648	-68.329	-643.388
47214_7215	47214	7215	2187.553	100.769	-2.539	-1.648	48.019	-75.033
47215_7215	47215	7215	-2187.55	-100.769	2.539	1.648	-48.019	75.033
47215_7216	47215	7216	2187.553	122.704	-2.539	-1.648	27.709	-968.937
47216_7216	47216	7216	-2187.55	-122.704	-0.196	0.437	-27.709	968.939
47216_7217	47216	7217	2187.554	144.639	0.196	-0.437	29.274	-2038.33
47217_7217	47217	7217	-2187.58	-196.294	4.962	-15.153	-29.274	2038.129
47217_7218	47217	7218	2187.584	217.543	-4.962	15.153	-9.185	-3641.77
47218_7218	47218	7218	-2187.58	-217.543	4.962	-15.153	9.185	3641.769
47218_7219	47218	7219	2187.584	238.793	-4.962	15.153	-47.644	-5410.1
47219_7219	47219	7219	-2187.44	-238.793	25.463	38.319	47.644	5660.7
47219_7220	47219	7220	2187.441	266.657	-25.463	-38.319	-289.548	-8061.61
47220_7220	47220	7220	93.855	525.056	2.57	-29.905	-23.526	24937.68
47220_7221	47220	7221	-88.873	-482.935	-2.57	29.905	-8.774	-18600.3

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47221_7221	47221	7221	75.387	485.254	2.471	28.91	2.39	18600.28
47221_7222	47221	7222	-71.788	-445.354	-2.471	-28.91	-33.391	-12761
47222_7222	47222	7222	56.241	400.92	0.365	-5.155	36.34	12762.26
47222_7223	47222	7223	-53.739	-360.406	-0.365	5.155	-41.16	-7708.98
47223_7223	47223	7223	42.488	361.749	0.274	22.848	40.33	7677.024
47223_7224	47223	7224	-41.418	-329.762	-0.274	-22.848	-43.557	-3614.94
47224_7224	47224	7224	34.034	273.083	0.606	-4.454	44.055	3615.637
47224_7225	47224	7225	-33.776	-250.804	-0.606	4.454	-49.054	-1453.62
47225_7225	47225	7225	31.076	251.275	0.492	0.418	49.065	1461.481
47225_7226	47225	7226	-31.076	-209.419	-0.492	-0.418	-56.428	1986.353
47226_7226	47226	7226	31.071	160.191	-0.223	6.504	56.428	-1986.46
47226_7227	47226	7227	-31.071	-127.704	0.223	-6.504	-53.836	3658.784
47227_7227	47227	7227	31.07	127.704	-0.331	-6.208	53.836	-3658.79
47227_7228	47227	7228	-31.07	-95.241	0.331	6.208	-49.993	4952.878
47228_7228	47228	7228	31.072	47.306	-1.493	11.902	49.993	-4952.76
47228_7229	47228	7229	-31.072	-14.839	1.493	-11.902	-32.656	5313.518
47229_7229	47229	7229	31.065	14.839	-1.627	-10.956	32.656	-5313.52
47229_7230	47229	7230	-31.065	17.634	1.627	10.956	-13.763	5297.295
47230_7230	47230	7230	30.933	-68.959	6.23	8.773	13.763	-5296.77
47230_7231	47230	7231	-30.933	102.836	-6.23	-8.773	-89.236	4256.132
47231_7231	47231	7231	30.958	-102.836	6.104	-8.579	89.236	-4256.13
47231_7232	47231	7232	-30.958	136.749	-6.104	8.579	-163.257	2803.357
47232_7232	47232	7232	31.107	-183.378	-5.155	6.584	163.257	-2803.01
47232_7233	47232	7233	-31.107	191.948	5.155	-6.584	-147.458	2227.871
47233_7233	47233	7233	32.898	-191.6	-5.204	2.052	147.483	-2227.87
47233_7234	47233	7234	-33.044	208.61	5.204	-2.052	-116.467	1035.273
47234_7234	47234	7234	36.581	-207.929	-5.248	-0.92	116.429	-1035.28
47234_7235	47234	7235	-37.166	231.968	5.248	0.92	-72.426	-809.339
47235_7235	47235	7235	40.91	-231.252	-5.298	-0.626	72.401	809.337
47235_7236	47235	7236	-41.557	247.604	5.298	0.626	-42.402	-2165.67
47236_7236	47236	7236	43.884	-304.328	5.577	-5.665	42.202	2171.162
47236_7237	47236	7237	-46.042	341.419	-5.577	5.665	-102.051	-5638.18
47237_7237	47237	7237	54.028	-340.349	5.502	5.348	103.052	5657.86
47237_7238	47237	7238	-56.824	375.155	-5.502	-5.348	-155.343	-9064.05
47238_7238	47238	7238	67.943	-402.412	-1.5	-19.891	153.082	9062.175
47238_7239	47238	7239	-71.541	437.947	1.5	19.891	-139.059	-13024.7
47239_7239	47239	7239	71.14	-438.041	-1.571	15.593	142.729	13024.66
47239_7240	47239	7240	-75.256	478.952	1.571	-15.593	-126.409	-17824.6
47240_7240	47240	7240	-2006.5	307.977	-55.722	-7.403	1066.411	5565.065
47240_7241	47240	7241	2006.499	-281.234	55.722	7.403	-635.624	-3287.46
47241_7241	47241	7241	-2006.68	281.234	-48.85	3.283	635.624	3299.855
47241_7242	47241	7242	2006.678	-252.075	48.85	-3.283	-217.686	-1018.5
47242_7242	47242	7242	-2006.78	252.075	-44.686	5.397	217.686	1018.486
47242_7243	47242	7243	2006.776	-224.108	44.686	-5.397	148.994	935.24
47243_7243	47243	7243	-2008.06	166.28	-14.558	3.254	-148.994	-935.256
47243_7244	47243	7244	2008.062	-131.741	14.558	-3.254	296.526	2445.332
47244_7244	47244	7244	-2008.09	131.741	-9.795	-2.546	-296.526	-2445.33
47244_7245	47244	7245	2008.091	-99.384	9.795	2.546	389.519	3542.453
47245_7245	47245	7245	-2007.68	54.537	-12.928	5.587	-389.519	-3541.54
47245_7246	47245	7246	2007.681	-19.296	12.928	-5.587	523.197	3923.261
47246_7246	47246	7246	-2007.71	19.296	-7.83	-4.374	-523.197	-3923.26
47246_7247	47246	7247	2007.708	12.326	7.83	4.374	595.847	3955.594
47247_7247	47247	7247	-2007.77	-64.005	-2.208	7.981	-595.847	-3954.88

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47247_7248	47247	7248	2007.77	96.009	2.208	-7.981	616.578	3203.582
47248_7248	47248	7248	-2007.76	-96.009	5.962	-5.055	-616.578	-3203.59
47248_7249	47248	7249	2007.762	130.903	-5.962	5.055	555.536	2042.027
47249_7249	47249	7249	-2008.1	-177.847	23.282	1.67	-555.536	-2041.6
47249_7250	47249	7250	2008.097	211.892	-23.282	-1.67	322.967	95.012
47250_7250	47250	7250	-2008.03	-211.892	28.647	1.417	-322.967	-95.017
47250_7251	47250	7251	2008.028	244.714	-28.647	-1.417	47.097	-2103.54
47251_7251	47251	7251	-2006.99	-294.466	-8.428	-44.167	-47.097	2102.33
47251_7252	47251	7252	2006.992	320.884	8.428	44.167	112.425	-4487.24
47252_7252	47252	7252	-2007.01	-320.884	0.086	-25.104	-112.425	4485.806
47252_7253	47252	7253	2007.01	353.729	-0.086	25.104	111.611	-7688.52
47253_7253	47253	7253	44.502	488.106	-40.583	90.479	31.179	19619.5
47253_7254	47253	7254	-40.998	-459.539	40.583	-90.479	265.506	-16157.3
47254_7254	47254	7254	24.028	397.483	26.134	-11.304	-252.311	16154.24
47254_7255	47254	7255	-19.553	-353.542	-26.134	11.304	-52.03	-11783.5
47255_7255	47255	7255	11.194	353.95	26.174	15.389	49.402	11783.46
47255_7256	47255	7256	-8.33	-317.259	-26.174	-15.389	-312.918	-8405.69
47256_7256	47256	7256	-0.267	276.538	-12.026	-8.85	314.342	8405.203
47256_7257	47256	7257	2.165	-243.09	12.026	8.85	-201.288	-5963.06
47257_7257	47257	7257	-6.796	243.029	-11.99	0.111	200.505	5956.876
47257_7258	47257	7258	7.607	-221.623	11.99	-0.111	-114.809	-4296.45
47258_7258	47258	7258	-10.675	221.564	-11.97	3.842	114.648	4296.455
47258_7259	47258	7259	11.05	-206.388	11.97	-3.842	-53.607	-3205.31
47259_7259	47259	7259	-14.554	152.607	-0.546	-6.858	53.724	3065.262
47259_7260	47259	7260	14.807	-128.784	0.546	6.858	-49.492	-1973.48
47260_7260	47260	7260	-16.452	128.901	-0.496	-1.025	49.499	1963.498
47260_7261	47260	7261	16.452	-102.677	0.496	1.025	-45.197	-958.45
47261_7261	47261	7261	-16.452	102.677	-0.477	0.062	45.197	958.451
47261_7262	47261	7262	16.452	-78.337	0.477	-0.062	-41.355	-229.317
47262_7262	47262	7262	-16.458	12.523	-1.135	-2.477	41.355	229.322
47262_7263	47262	7263	16.458	22.468	1.135	2.477	-28.211	-286.917
47263_7263	47263	7263	-16.46	-22.468	-1.1	-1.865	28.211	286.921
47263_7264	47263	7264	16.46	57.134	1.1	1.865	-15.591	-743.593
47264_7264	47264	7264	-16.478	-111.082	-2.196	-6.462	15.591	743.678
47264_7265	47264	7265	16.478	146.469	2.196	6.462	10.135	-2251.97
47265_7265	47265	7265	-16.486	-146.469	-2.136	1.731	-10.135	2251.981
47265_7266	47265	7266	16.486	180.745	2.136	-1.731	34.372	-4108.07
47266_7266	47266	7266	-16.445	-237.919	0.636	-14.721	-34.372	4108.656
47266_7267	47266	7267	16.445	272.576	-0.636	14.721	27.075	-7036.54
47267_7267	47267	7267	-16.443	-272.576	0.686	6.554	-27.075	7036.548
47267_7268	47267	7268	16.443	307.553	-0.686	-6.554	19.135	-10394.6
47268_7268	47268	7268	-16.47	-374.908	-0.223	-44.12	-19.135	10396.1
47268_7269	47268	7269	16.47	386.979	0.223	44.12	20.024	-11918.1
47269_7269	47269	7269	-11.905	-386.854	-0.182	-16.919	-20.178	11938.44
47269_7270	47269	7270	11.499	418.734	0.182	16.919	21.955	-15871.6
47270_7270	47270	7270	-2.912	-418.398	-0.139	24.435	-21.231	15871.61
47270_7271	47270	7271	1.742	452.157	0.139	-24.435	22.635	-20332.6
47271_7271	47271	7271	12.106	-512.999	-14.803	-61.364	-26.146	20363.77
47271_7272	47271	7272	-14.848	559.379	14.803	61.364	207.996	-26949.1
47272_7272	47272	7272	29.358	-558.455	-14.732	55.564	-201.151	26949.11
47272_7273	47272	7273	-33.557	607.244	14.732	-55.564	385.138	-34225.7
47273_7273	47273	7273	48.718	-625.248	27.95	-83.879	-397.728	34232.66
47273_7274	47273	7274	-51.096	647.697	-27.95	83.879	241.927	-37780.5

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47274_7274	47274	7274	60.563	-646.782	27.987	7.762	-233.455	37780.61
47274_7275	47274	7275	-64.587	680.093	-27.987	-7.762	8.273	-43118.3
47275_7275	47275	7275	-3199.39	474.561	35.668	62.483	648.226	14043.87
47275_7276	47275	7276	3199.39	-454.478	-35.668	-62.483	-844.373	-11489.4
47276_7276	47276	7276	-3202.29	386.326	-64.042	-23.932	844.373	13441.55
47276_7277	47276	7277	3202.285	-371.598	64.042	23.932	-588.317	-11926.4
47277_7277	47277	7277	-3202.39	371.598	-58.571	-8.952	588.317	12220.5
47277_7278	47277	7278	3202.39	-336.734	58.571	8.952	5.039	-8632.6
47278_7278	47278	7278	-3202.55	336.734	-49.363	15.869	-5.039	8632.592
47278_7279	47278	7279	3202.545	-304.998	49.363	-15.869	460.248	-5673.68
47279_7279	47279	7279	-3202.16	226.617	-17.686	-6.48	-460.248	5674.43
47279_7280	47279	7280	3202.163	-186.438	17.686	6.48	666.727	-3263.22
47280_7280	47280	7280	-3202.21	186.438	-4.305	7.156	-666.727	3263.22
47280_7281	47280	7281	3202.209	-144.514	4.305	-7.156	719.171	-1247.37
47281_7281	47281	7281	-3202.34	107.963	0.434	0.247	-719.171	1213.355
47281_7282	47281	7282	3202.335	-71.677	-0.434	-0.247	713.794	-100.183
47282_7282	47282	7282	-3202.32	71.677	9.486	0.53	-713.794	100.182
47282_7283	47282	7283	3202.321	-38.113	-9.486	-0.53	605.05	529.102
47283_7283	47283	7283	-3202.84	-62.263	-5.733	-0.313	-605.05	-529.377
47283_7284	47283	7284	3202.844	93.609	5.733	0.313	666.432	-305.018
47284_7284	47284	7284	-3202.84	-93.609	7.282	0.927	-666.432	305.016
47284_7285	47284	7285	3202.841	122.055	-7.282	-0.927	595.68	-1352.67
47285_7285	47285	7285	-3203.17	-183.286	100.057	-10.276	-595.68	1352.546
47285_7286	47285	7286	3203.167	207.207	-100.057	10.276	-221.803	-2947.75
47286_7286	47286	7286	-3202.99	-207.207	105.532	-5.237	221.803	2947.76
47286_7287	47286	7287	3202.991	228.717	-105.532	5.237	-997.097	-4549.02
47287_7287	47287	7287	-3202.75	-228.717	112.659	-4.737	997.097	4259.182
47287_7288	47287	7288	3202.748	254.119	-112.659	4.737	-1899.88	-6193.76
47288_7288	47288	7288	99.995	864.926	-19.577	-24.133	306.177	31343.31
47288_7289	47288	7289	-95.568	-818.805	19.577	24.133	-57.26	-20642.5
47289_7289	47289	7289	82.662	820.213	-19.634	43.28	51.303	20642.47
47289_7290	47289	7290	-79.588	-781.876	19.634	-43.28	165.539	-11797.2
47290_7290	47290	7290	57.416	709.351	4.843	-7.242	-161.324	11799.17
47290_7291	47290	7291	-56.013	-684.443	-4.843	7.242	125.598	-6658.72
47291_7291	47291	7291	42.103	685.462	4.827	1.274	-125.96	6658.719
47291_7292	47291	7292	-41.062	-656.508	-4.827	-1.274	83.903	-813.223
47292_7292	47292	7292	29.238	657.159	4.754	6.805	-83.98	809.023
47292_7293	47292	7293	-29.018	-644.863	-4.754	-6.805	63.677	1971.408
47293_7293	47293	7293	20.072	589.823	-0.525	13.89	-63.578	-1971.57
47293_7294	47293	7294	-19.977	-569.318	0.525	-13.89	67.324	6108.631
47294_7294	47294	7294	17.35	569.411	-0.557	2.918	-67.263	-6108.65
47294_7295	47294	7295	-17.35	-544.736	0.557	-2.918	72.05	10897.18
47295_7295	47295	7295	17.349	544.736	-0.597	-21.865	-72.05	-10894.9
47295_7296	47295	7296	-17.349	-521.301	0.597	21.865	76.258	14654
47296_7296	47296	7296	17.43	449.15	3.705	30.594	-76.258	-14625.8
47296_7297	47296	7297	-17.43	-412.779	-3.705	-30.594	35.557	19360.62
47297_7297	47297	7297	17.44	412.779	3.659	-20.399	-35.557	-19360.6
47297_7298	47297	7298	-17.44	-375.06	-3.659	20.399	-6.128	23848.8
47298_7298	47298	7298	17.397	309.814	0.626	57.565	6.128	-23851.5
47298_7299	47298	7299	-17.397	-272.643	-0.626	-57.565	-13.152	27121.47
47299_7299	47299	7299	17.4	272.643	0.562	-41.449	13.152	-27121.5
47299_7300	47299	7300	-17.4	-230.913	-0.562	41.449	-20.237	30295.22
47300_7300	47300	7300	17.398	162.366	0.286	55.811	20.237	-30298.7

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47300_7301	47300	7301	-17.398	-122.027	-0.286	-55.811	-23.726	32031.4
47301_7301	47301	7301	17.399	122.027	0.23	-48.173	23.726	-32031.4
47301_7302	47301	7302	-17.399	-83.462	-0.23	48.173	-26.403	33228.28
47302_7302	47302	7302	17.413	13.741	0.953	61.928	26.403	-33231.6
47302_7303	47302	7303	-17.413	28.573	-0.953	-61.928	-38.584	33136.8
47303_7303	47303	7303	17.416	-28.573	0.888	-61.717	38.584	-33136.8
47303_7304	47303	7304	-17.416	65.155	-0.888	61.717	-48.397	32618.95
47304_7304	47304	7304	17.42	-136.335	0.876	59.859	48.397	-32622.6
47304_7305	47304	7305	-17.42	174.587	-0.876	-59.859	-58.52	30826.3
47305_7305	47305	7305	17.423	-174.587	0.814	-49.612	58.52	-30826.3
47305_7306	47305	7306	-17.423	215.201	-0.814	49.612	-68.508	28435.34
47306_7306	47306	7306	17.397	-289.804	-1.027	51.602	68.508	-28438.1
47306_7307	47306	7307	-17.397	329.151	1.027	-51.602	-56.297	24759.84
47307_7307	47307	7307	17.393	-329.151	-1.097	-47.469	56.297	-24759.8
47307_7308	47307	7308	-17.393	368.677	1.097	47.469	-43.199	20594
47308_7308	47308	7308	17.574	-457.451	11.488	31.817	43.199	-20595.7
47308_7309	47308	7309	-17.574	497.18	-11.488	-31.817	-181.061	14867.56
47309_7309	47309	7309	17.623	-497.18	11.413	-30.926	181.061	-14867.6
47309_7310	47309	7310	-17.623	536.302	-11.413	30.926	-315.939	8760.949
47310_7310	47310	7310	17.158	-637.466	-23.619	0.459	315.939	-8761.5
47310_7311	47310	7311	-17.158	681.749	23.619	-0.459	0	-61.633
48000_8000	48000	8000	-1.171	9.835	-9.603	-4.207	0	0.513
48000_8001	48000	8001	1.171	5.367	9.603	4.207	90.328	20.499
48001_8001	48001	8001	-1.165	-5.367	-9.604	-4.195	-90.328	-20.502
48001_8002	48001	8002	1.165	20.146	9.604	4.195	178.149	-96.15
48002_8002	48002	8002	-1.144	20.349	7.558	-5.093	-178.149	96.073
48002_8003	48002	8003	1.144	-0.793	-7.558	5.093	86.696	31.842
48003_8003	48003	8003	-1.151	0.793	7.557	-5.064	-86.696	-31.846
48003_8004	48003	8004	1.151	18.749	-7.557	5.064	-4.68	-76.713
48004_8004	48004	8004	-1.15	20.2	-1.227	-2.93	4.68	76.902
48004_8005	48004	8005	1.15	-0.639	1.227	2.93	10.165	49.21
48005_8005	48005	8005	-1.15	0.639	-1.227	-2.925	-10.165	-49.21
48005_8006	48005	8006	1.15	18.907	1.227	2.925	25	-61.253
48006_8006	48006	8006	-1.148	19.809	0.008	-1.599	-25	61.173
48006_8007	48006	8007	1.148	-0.247	-0.008	1.599	24.906	60.203
48007_8007	48007	8007	-1.148	0.247	0.008	-1.593	-24.906	-60.203
48007_8008	48007	8008	1.148	19.298	-0.008	1.593	24.814	-54.991
48008_8008	48008	8008	-1.148	19.426	0.027	0.055	-24.814	54.994
48008_8009	48008	8009	1.148	0.123	-0.027	-0.055	24.492	61.748
48009_8009	48009	8009	-1.148	-0.123	0.027	0.055	-24.492	-61.748
48009_8010	48009	8010	1.148	19.672	-0.027	-0.055	24.169	-57.973
48010_8010	48010	8010	-1.148	19.186	0.271	1.61	-24.169	58.162
48010_8011	48010	8011	1.148	0.379	-0.271	-1.61	20.885	55.681
48011_8011	48011	8011	-1.148	-0.379	0.271	1.616	-20.885	-55.681
48011_8012	48011	8012	1.148	19.928	-0.271	-1.616	17.604	-67.129
48012_8012	48012	8012	-1.142	18.719	1.575	2.685	-17.604	67.117
48012_8013	48012	8013	1.142	0.834	-1.575	-2.685	-1.455	41.071
48013_8013	48013	8013	-1.142	-0.834	1.575	2.685	1.455	-41.071
48013_8014	48013	8014	1.142	20.387	-1.575	-2.685	-20.515	-87.303
48014_8014	48014	8014	-1.144	17.69	-0.086	3.041	20.515	87.247
48014_8015	48014	8015	1.144	7.677	0.086	-3.041	-19.157	-8.668
48015_8015	48015	8015	-1.144	-7.677	-0.087	3.039	19.157	8.674
48015_8016	48015	8016	1.144	21.011	0.087	-3.039	-18.442	-127.025

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48016_8016	48016	8016	-1.154	19.522	1.195	2.25	18.442	127.791
48016_8017	48016	8017	1.154	-0.807	-1.195	-2.25	-32.479	-8.369
48017_8017	48017	8017	-1.154	0.807	1.195	2.252	32.479	8.369
48017_8018	48017	8018	1.154	20.296	-1.195	-2.252	-48.312	-137.471
48018_8018	48018	8018	-1.116	19.471	-4.094	1.391	48.312	137.594
48018_8019	48018	8019	1.116	0.447	4.094	-1.391	2.876	-18.648
48019_8019	48019	8019	-1.116	-0.447	-4.094	1.389	-2.876	18.649
48019_8020	48019	8020	1.116	20.348	4.094	-1.389	54.025	-148.56
48020_8020	48020	8020	-1.179	21.168	3.542	0.646	-54.025	148.603
48020_8021	48020	8021	1.179	-6.039	-3.542	-0.646	20.379	-19.393
48021_8021	48021	8021	-1.18	6.039	3.542	0.649	-20.379	19.394
48021_8022	48021	8022	1.18	6.318	-3.542	-0.649	-7.1	-20.478
48022_8022	48022	8022	-1.18	-6.318	3.542	0.646	7.1	20.478
48022_8023	48022	8023	1.18	18.66	-3.542	-0.646	-34.542	-117.24
48023_8023	48023	8023	-1.169	19.415	-1.145	0.074	34.542	117.206
48023_8024	48023	8024	1.169	-6.673	1.145	-0.074	-25.385	-12.856
48024_8024	48024	8024	-1.17	6.673	-1.143	0.09	25.385	12.856
48024_8025	48024	8025	1.17	6.068	1.143	-0.09	-16.241	-10.435
48025_8025	48025	8025	-1.169	-6.068	-1.145	0.077	16.241	10.435
48025_8026	48025	8026	1.169	18.81	1.145	-0.077	-7.084	-109.941
48026_8026	48026	8026	-1.173	18.956	-0.408	0.029	7.084	109.941
48026_8027	48026	8027	1.173	-9.392	0.408	-0.029	-4.634	-24.838
48027_8027	48027	8027	-1.173	9.392	-0.406	0.066	4.634	24.838
48027_8028	48027	8028	1.173	0.154	0.406	-0.066	-2.199	2.844
48028_8028	48028	8028	-1.173	-0.154	-0.408	0.07	2.199	-2.843
48028_8029	48028	8029	1.173	9.718	0.408	-0.07	0.25	-26.795
48029_8029	48029	8029	-1.173	-9.718	-0.406	0.115	-0.25	26.795
48029_8030	48029	8030	1.173	19.281	0.406	-0.115	2.688	-113.838
48030_8030	48030	8030	-1.171	18.386	0.564	0.141	-2.688	113.801
48030_8031	48030	8031	1.171	-5.65	-0.564	-0.141	-1.821	-17.711
48031_8031	48031	8031	-1.171	5.65	0.564	0.143	1.821	17.711
48031_8032	48031	8032	1.171	7.101	-0.564	-0.143	-6.336	-23.517
48032_8032	48032	8032	-1.17	-7.101	0.565	0.169	6.336	23.516
48032_8033	48032	8033	1.17	19.835	-0.565	-0.169	-10.855	-131.181
48033_8033	48033	8033	-1.184	18.654	-1.746	-0.272	10.855	131.201
48033_8034	48033	8034	1.184	-6.309	1.746	0.272	2.68	-34.462
48034_8034	48034	8034	-1.187	6.309	-1.745	-0.228	-2.68	34.462
48034_8035	48034	8035	1.187	6.035	1.745	0.228	16.202	-33.398
48035_8035	48035	8035	-1.186	-6.035	-1.745	-0.242	-16.202	33.398
48035_8036	48035	8036	1.186	21.165	1.745	0.242	32.781	-162.576
48036_8036	48036	8036	-1.161	20.891	2.394	-0.97	-32.781	162.639
48036_8037	48036	8037	1.161	-0.974	-2.394	0.97	2.853	-25.946
48037_8037	48037	8037	-1.161	0.974	2.393	-0.972	-2.853	25.946
48037_8038	48037	8038	1.161	18.927	-2.393	0.972	-27.05	-138.096
48038_8038	48038	8038	-1.187	15.056	-0.436	-2.057	27.05	138.254
48038_8039	48038	8039	1.187	6.051	0.436	2.057	-21.275	-78.587
48039_8039	48039	8039	-1.187	-6.051	-0.436	-1.848	21.275	77.718
48039_8040	48039	8040	1.187	24.421	0.436	1.848	-16.148	-256.809
48040_8040	48040	8040	-1.206	18.808	-2	-3.366	16.148	256.954
48040_8041	48040	8041	1.206	-5.918	2	3.366	0.351	-154.983
48041_8041	48041	8041	-1.205	5.918	-2.001	-3.441	-0.351	154.981
48041_8042	48041	8042	1.205	17.948	2.001	3.441	30.908	-246.839
48042_8042	48042	8042	-1.209	20.541	0.084	-2.398	-30.908	247.025

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48042_8043	48042	8043	1.209	-1.96	-0.084	2.398	29.912	-113.268
48043_8043	48043	8043	-1.209	1.96	0.084	-2.39	-29.912	113.268
48043_8044	48043	8044	1.209	16.637	-0.084	2.39	28.915	-200.591
48044_8044	48044	8044	-1.209	19.731	-0.254	-0.6	-28.915	200.302
48044_8045	48044	8045	1.209	-1.15	0.254	0.6	31.929	-76.178
48045_8045	48045	8045	-1.209	1.15	-0.255	-0.664	-31.929	76.177
48045_8046	48045	8046	1.209	17.433	0.255	0.664	34.956	-172.984
48046_8046	48046	8046	-1.208	19.225	0.12	1.253	-34.956	172.776
48046_8047	48046	8047	1.208	-0.652	-0.12	-1.253	33.528	-54.666
48047_8047	48047	8047	-1.209	0.652	0.119	1.211	-33.528	54.667
48047_8048	48047	8048	1.209	17.938	-0.119	-1.211	32.11	-157.468
48048_8048	48048	8048	-1.206	18.863	1.001	2.759	-32.11	157.352
48048_8049	48048	8049	1.206	-0.29	-1.001	-2.759	20.21	-43.545
48049_8049	48049	8049	-1.207	0.29	1	2.726	-20.21	43.547
48049_8050	48049	8050	1.207	18.3	-1	-2.726	8.311	-150.656
48050_8050	48050	8050	-1.202	17.595	0.752	3.541	-8.311	150.44
48050_8051	48050	8051	1.202	6.271	-0.752	-3.541	-3.168	-63.977
48051_8051	48051	8051	-1.202	-6.271	0.752	3.541	3.168	63.981
48051_8052	48051	8052	1.202	19.16	-0.752	-3.541	-9.368	-168.849
48052_8052	48052	8052	-1.196	20.472	0.316	2.544	9.368	168.918
48052_8053	48052	8053	1.196	-2.095	-0.316	-2.544	-13.085	-36.247
48053_8053	48053	8053	-1.196	2.095	0.315	2.483	13.085	36.261
48053_8054	48053	8054	1.196	17.966	-0.315	-2.483	-17.259	-141.36
48054_8054	48054	8054	-1.175	18.357	-3.267	1.609	17.259	141.499
48054_8055	48054	8055	1.175	0.587	3.267	-1.609	23.599	-30.38
48055_8055	48055	8055	-1.178	-0.587	-3.266	1.631	-23.599	30.378
48055_8056	48055	8056	1.178	19.515	3.266	-1.631	64.412	-155.977
48056_8056	48056	8056	-1.192	20.15	2.503	0.928	-64.412	155.941
48056_8057	48056	8057	1.192	-5.763	-2.503	-0.928	40.638	-32.879
48057_8057	48057	8057	-1.19	5.763	2.504	0.958	-40.638	32.88
48057_8058	48057	8058	1.19	5.979	-2.504	-0.958	21.227	-33.717
48058_8058	48058	8058	-1.19	-5.979	2.504	0.958	-21.227	33.717
48058_8059	48058	8059	1.19	17.722	-2.504	-0.958	1.815	-125.588
48059_8059	48059	8059	-1.178	18.885	0.494	0.513	-1.815	125.572
48059_8060	48059	8060	1.178	-6.767	-0.494	-0.513	-2.135	-22.957
48060_8060	48060	8060	-1.178	6.767	0.494	0.513	2.135	22.957
48060_8061	48060	8061	1.178	5.351	-0.494	-0.513	-6.085	-17.29
48061_8061	48061	8061	-1.178	-5.351	0.494	0.513	6.085	17.29
48061_8062	48061	8062	1.178	17.468	-0.494	-0.513	-10.035	-108.57
48062_8062	48062	8062	-1.181	18.35	0.661	0.584	10.035	108.332
48062_8063	48062	8063	1.181	-9.269	-0.661	-0.584	-14	-25.54
48063_8063	48063	8063	-1.181	9.269	0.661	0.584	14	25.54
48063_8064	48063	8064	1.181	-0.187	-0.661	-0.584	-17.966	2.807
48064_8064	48064	8064	-1.18	0.187	0.664	0.579	17.966	-2.808
48064_8065	48064	8065	1.18	8.908	-0.664	-0.579	-21.95	-23.373
48065_8065	48065	8065	-1.181	-8.908	0.661	0.538	21.95	23.374
48065_8066	48065	8066	1.181	17.989	-0.661	-0.538	-25.916	-104.002
48066_8066	48066	8066	-1.173	18.086	1.367	0.516	25.916	104.163
48066_8067	48066	8067	1.173	-5.957	-1.367	-0.516	-36.866	-7.902
48067_8067	48067	8067	-1.173	5.957	1.367	0.515	36.866	7.903
48067_8068	48067	8068	1.173	6.157	-1.367	-0.515	-47.801	-8.702
48068_8068	48068	8068	-1.174	-6.157	1.366	0.504	47.801	8.703
48068_8069	48068	8069	1.174	18.272	-1.366	-0.504	-58.726	-106.395

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48069_8069	48069	8069	-1.196	17.477	-2.903	-0.005	58.726	106.459
48069_8070	48069	8070	1.196	-5.743	2.903	0.005	-36.237	-16.52
48070_8070	48070	8070	-1.196	5.743	-2.903	-0.003	36.237	16.52
48070_8071	48070	8071	1.196	6.006	2.903	0.003	-13.719	-17.541
48071_8071	48071	8071	-1.192	-6.006	-2.905	-0.04	13.719	17.544
48071_8072	48071	8072	1.192	20.398	2.905	0.04	13.882	-142.983
48072_8072	48072	8072	-1.129	20.323	2.825	-0.746	-13.882	142.915
48072_8073	48072	8073	1.129	-1.401	-2.825	0.746	-21.414	-7.214
48073_8073	48073	8073	-1.131	1.401	2.824	-0.751	21.414	7.214
48073_8074	48073	8074	1.131	17.538	-2.824	0.751	-56.729	-108.106
48074_8074	48074	8074	-1.165	15.358	-0.505	-1.841	56.729	108.179
48074_8075	48074	8075	1.165	4.704	0.505	1.841	-50.043	-37.624
48075_8075	48075	8075	-1.165	-4.704	-0.505	-1.53	50.043	37.621
48075_8076	48075	8076	1.165	22.114	0.505	1.53	-44.108	-195.203
48076_8076	48076	8076	-1.187	17.607	-1.819	-2.916	44.108	195.255
48076_8077	48076	8077	1.187	-5.379	1.819	2.916	-29.093	-100.398
48077_8077	48077	8077	-1.188	5.379	-1.819	-2.861	29.093	100.403
48077_8078	48077	8078	1.188	15.127	1.819	2.861	-3.919	-167.866
48078_8078	48078	8078	-1.185	17.755	-0.286	-2.409	3.919	167.925
48078_8079	48078	8079	1.185	-1.195	0.286	2.409	-0.721	-62.018
48079_8079	48079	8079	-1.185	1.195	-0.287	-2.464	0.721	62.016
48079_8080	48079	8080	1.185	15.365	0.287	2.464	2.489	-141.216
48080_8080	48080	8080	-1.187	16.83	-0.34	-1.372	-2.489	141.226
48080_8081	48080	8081	1.187	-0.274	0.34	1.372	6.293	-45.654
48081_8081	48081	8081	-1.187	0.274	-0.34	-1.37	-6.293	45.654
48081_8082	48081	8082	1.187	16.296	0.34	1.37	10.1	-135.254
48082_8082	48082	8082	-1.186	18.064	-0.074	-0.037	-10.1	135.103
48082_8083	48082	8083	1.186	-0.277	0.074	0.037	10.992	-25.005
48083_8083	48083	8083	-1.186	0.277	-0.074	-0.036	-10.992	25.005
48083_8084	48083	8084	1.186	17.524	0.074	0.036	11.885	-128.627
48084_8084	48084	8084	-1.187	16.725	-0.083	1.301	-11.885	128.633
48084_8085	48084	8085	1.187	-0.173	0.083	-1.301	12.817	-34.234
48085_8085	48085	8085	-1.187	0.173	-0.083	1.303	-12.817	34.234
48085_8086	48085	8086	1.187	16.393	0.083	-1.303	13.75	-124.925
48086_8086	48086	8086	-1.186	16.273	0.722	2.318	-13.75	124.784
48086_8087	48086	8087	1.186	0.294	-0.722	-2.318	5.678	-35.441
48087_8087	48087	8087	-1.186	-0.294	0.722	2.317	-5.678	35.442
48087_8088	48087	8088	1.186	16.846	-0.722	-2.317	-2.386	-131.188
48088_8088	48088	8088	-1.184	14.314	0.299	2.868	2.386	131.176
48088_8089	48088	8089	1.184	5.422	-0.299	-2.868	-6.368	-71.945
48089_8089	48089	8089	-1.184	-5.422	0.299	2.894	6.368	71.947
48089_8090	48089	8090	1.184	17.64	-0.299	-2.894	-8.836	-167.051
48090_8090	48090	8090	-1.186	18.582	0.539	2.16	8.836	167.073
48090_8091	48090	8091	1.186	-1.174	-0.539	-2.16	-15.175	-51.002
48091_8091	48091	8091	-1.186	1.174	0.54	2.164	15.175	51.016
48091_8092	48091	8092	1.186	18.164	-0.54	-2.164	-22.329	-163.593
48092_8092	48092	8092	-1.17	17.992	-2.959	1.272	22.329	163.418
48092_8093	48092	8093	1.17	0.248	2.959	-1.272	14.651	-52.528
48093_8093	48093	8093	-1.17	-0.248	-2.959	1.272	-14.651	52.528
48093_8094	48093	8094	1.17	18.487	2.959	-1.272	51.631	-169.607
48094_8094	48094	8094	-1.18	19.294	2.544	0.575	-51.631	169.552
48094_8095	48094	8095	1.18	-5.436	-2.544	-0.575	27.47	-52.126
48095_8095	48095	8095	-1.178	5.436	2.545	0.614	-27.47	52.131

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48095_8096	48095	8096	1.178	5.882	-2.545	-0.614	7.734	-53.86
48096_8096	48096	8096	-1.182	-5.882	2.543	0.542	-7.734	53.861
48096_8097	48096	8097	1.182	17.185	-2.543	-0.542	-11.965	-143.195
48097_8097	48097	8097	-1.166	18.051	-0.405	0.096	11.965	143.185
48097_8098	48097	8098	1.166	-6.371	0.405	-0.096	-8.719	-45.448
48098_8098	48098	8098	-1.166	6.371	-0.407	0.038	8.719	45.448
48098_8099	48098	8099	1.166	5.296	0.407	-0.038	-5.465	-41.151
48099_8099	48099	8099	-1.166	-5.296	-0.405	0.091	5.465	41.151
48099_8100	48099	8100	1.166	16.976	0.405	-0.091	-2.22	-130.285
48100_8100	48100	8100	-1.165	17.57	0.118	0.022	2.22	130.307
48100_8101	48100	8101	1.165	-8.824	-0.118	-0.022	-2.928	-51.213
48101_8101	48101	8101	-1.165	8.824	0.118	0.025	2.928	51.213
48101_8102	48101	8102	1.165	-0.064	-0.118	-0.025	-3.638	-24.535
48102_8102	48102	8102	-1.165	0.064	0.118	0.025	3.638	24.535
48102_8103	48102	8103	1.165	8.697	-0.118	-0.025	-4.347	-50.449
48103_8103	48103	8103	-1.165	-8.697	0.12	0.109	4.347	50.449
48103_8104	48103	8104	1.165	17.457	-0.12	-0.109	-5.069	-128.95
48104_8104	48104	8104	-1.171	17.209	0.814	-0.001	5.069	128.792
48104_8105	48104	8105	1.171	-5.544	-0.814	0.001	-11.574	-37.851
48105_8105	48105	8105	-1.17	5.544	0.815	0.048	11.574	37.851
48105_8106	48105	8106	1.17	6.135	-0.815	-0.048	-18.1	-40.213
48106_8106	48106	8106	-1.17	-6.135	0.815	0.046	18.1	40.213
48106_8107	48106	8107	1.17	17.799	-0.815	-0.046	-24.617	-135.868
48107_8107	48107	8107	-1.182	17	-2.252	-0.468	24.617	135.9
48107_8108	48107	8108	1.182	-5.686	2.252	0.468	-7.153	-47.954
48108_8108	48108	8108	-1.182	5.686	-2.252	-0.468	7.153	47.954
48108_8109	48108	8109	1.182	5.629	2.252	0.468	10.311	-47.733
48109_8109	48109	8109	-1.184	-5.629	-2.251	-0.405	-10.311	47.731
48109_8110	48109	8110	1.184	19.483	2.251	0.405	31.681	-166.932
48110_8110	48110	8110	-1.169	19.204	2.659	-1.138	-31.681	167.012
48110_8111	48110	8111	1.169	-0.958	-2.659	1.138	-1.567	-40.959
48111_8111	48111	8111	-1.167	0.958	2.66	-1.105	1.567	40.96
48111_8112	48111	8112	1.167	17.288	-2.66	1.105	-34.825	-143.053
48112_8112	48112	8112	-1.196	14.499	-0.662	-2.145	34.825	143.092
48112_8113	48112	8113	1.196	4.828	0.662	2.145	-26.052	-79.05
48113_8113	48113	8113	-1.196	-4.828	-0.662	-1.957	26.052	79.032
48113_8114	48113	8114	1.196	21.94	0.662	1.957	-18.271	-236.338
48114_8114	48114	8114	-1.211	16.858	-1.427	-2.881	18.271	236.384
48114_8115	48114	8115	1.211	-4.845	1.427	2.881	-6.493	-146.843
48115_8115	48115	8115	-1.208	4.845	-1.43	-3.182	6.493	146.837
48115_8116	48115	8116	1.208	15.31	1.43	3.182	13.3	-219.271
48116_8116	48116	8116	-1.209	18.132	-0.005	-2.637	-13.3	219.29
48116_8117	48116	8117	1.209	-1.866	0.005	2.637	13.352	-107.582
48117_8117	48117	8117	-1.209	1.866	-0.004	-2.539	-13.352	107.584
48117_8118	48117	8118	1.209	14.415	0.004	2.539	13.392	-177.747
48118_8118	48118	8118	-1.21	17.017	-0.312	-1.494	-13.392	177.754
48118_8119	48118	8119	1.21	-0.737	0.312	1.494	16.876	-78.495
48119_8119	48119	8119	-1.21	0.737	-0.311	-1.425	-16.876	78.496
48119_8120	48119	8120	1.21	15.527	0.311	1.425	20.345	-161.107
48120_8120	48120	8120	-1.21	18.214	0.026	-0.04	-20.345	161.317
48120_8121	48120	8121	1.21	-0.726	-0.026	0.04	20.033	-47.57
48121_8121	48121	8121	-1.21	0.726	0.027	0	-20.033	47.57
48121_8122	48121	8122	1.21	16.762	-0.027	0	19.71	-143.876

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48122_8122	48122	8122	-1.21	16.815	0.022	1.478	-19.71	143.874
48122_8123	48122	8123	1.21	-0.536	-0.022	-1.478	19.465	-46.873
48123_8123	48123	8123	-1.21	0.536	0.023	1.519	-19.465	46.871
48123_8124	48123	8124	1.21	15.742	-0.023	-1.519	19.209	-131.874
48124_8124	48124	8124	-1.21	16.289	0.718	2.725	-19.209	131.881
48124_8125	48124	8125	1.21	-0.025	-0.718	-2.725	11.192	-40.763
48125_8125	48125	8125	-1.21	0.025	0.718	2.726	-11.192	40.763
48125_8126	48125	8126	1.21	16.254	-0.718	-2.726	3.168	-131.485
48126_8126	48126	8126	-1.208	14.27	1.382	3.314	-3.168	131.62
48126_8127	48126	8127	1.208	5.328	-1.382	-3.314	-15.44	-71.44
48127_8127	48127	8127	-1.209	-5.328	1.381	3.253	15.44	71.443
48127_8128	48127	8128	1.209	17.34	-1.381	-3.253	-26.838	-164.949
48128_8128	48128	8128	-1.213	18.452	0.987	2.478	26.838	164.773
48128_8129	48128	8129	1.213	-1.344	-0.987	-2.478	-38.434	-48.473
48129_8129	48129	8129	-1.211	1.344	0.989	2.49	38.434	48.486
48129_8130	48129	8130	1.211	17.955	-0.989	-2.49	-51.533	-158.535
48130_8130	48130	8130	-1.197	17.101	-5.852	1.89	51.533	158.386
48130_8131	48130	8131	1.197	1.105	5.852	-1.89	21.619	-58.411
48131_8131	48131	8131	-1.197	-1.105	-5.852	1.89	-21.619	58.411
48131_8132	48131	8132	1.197	19.311	5.852	-1.89	94.771	-186.009
48132_8132	48132	8132	-2.956	18.377	5.444	0.772	-94.771	154.166
48132_8133	48132	8133	2.956	-4.541	-5.444	-0.772	43.056	-45.307
48133_8133	48133	8133	-2.965	4.541	5.439	0.703	-43.056	45.308
48133_8134	48133	8134	2.965	6.747	-5.439	-0.703	0.903	-53.857
48134_8134	48134	8134	-2.958	-6.747	5.443	0.772	-0.903	53.856
48134_8135	48134	8135	2.958	18.035	-5.443	-0.772	-41.28	-149.885
48135_8135	48135	8135	-2.94	18.386	-1.072	0.32	41.28	150.086
48135_8136	48135	8136	2.94	-6.735	1.072	-0.32	-32.707	-49.602
48136_8136	48136	8136	-2.94	6.735	-1.072	0.32	32.707	49.602
48136_8137	48136	8137	2.94	4.917	1.072	-0.32	-24.135	-42.331
48137_8137	48137	8137	-2.939	-4.917	-1.075	0.267	24.135	42.332
48137_8138	48137	8138	2.939	16.569	1.075	-0.267	-15.533	-128.276
48138_8138	48138	8138	-2.941	17.48	-0.412	0.223	15.533	128.276
48138_8139	48138	8139	2.941	-8.742	0.412	-0.223	-13.058	-49.61
48139_8139	48139	8139	-2.942	8.742	-0.407	0.306	13.058	49.609
48139_8140	48139	8140	2.942	-0.003	0.407	-0.306	-10.613	-23.377
48140_8140	48140	8140	-2.941	0.003	-0.412	0.267	10.613	23.377
48140_8141	48140	8141	2.941	8.736	0.412	-0.267	-8.139	-49.578
48141_8141	48141	8141	-2.941	-8.736	-0.412	0.267	8.139	49.578
48141_8142	48141	8142	2.941	17.475	0.412	-0.267	-5.665	-128.212
48142_8142	48142	8142	-2.943	17.137	0.921	0.409	5.665	128.212
48142_8143	48142	8143	2.943	-5.485	-0.921	-0.409	-13.033	-37.726
48143_8143	48143	8143	-2.944	5.485	0.917	0.362	13.033	37.726
48143_8144	48143	8144	2.944	6.167	-0.917	-0.362	-20.371	-40.455
48144_8144	48144	8144	-2.943	-6.167	0.921	0.413	20.371	40.455
48144_8145	48144	8145	2.943	17.819	-0.921	-0.413	-27.739	-136.398
48145_8145	48145	8145	-2.937	16.798	-2.736	0.038	27.739	136.398
48145_8146	48145	8146	2.937	-5.511	2.736	-0.038	-6.533	-49.95
48146_8146	48146	8146	-2.934	5.511	-2.74	-0.026	6.533	49.95
48146_8147	48146	8147	2.934	5.777	2.74	0.026	14.702	-50.983
48147_8147	48147	8147	-2.936	-5.777	-2.738	0.025	-14.702	50.979
48147_8148	48147	8148	2.936	19.614	2.738	-0.025	40.712	-171.585
48148_8148	48148	8148	-2.946	19.515	3.119	-0.694	-40.712	171.584

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48148_8149	48148	8149	2.946	-1.31	-3.119	0.694	1.72	-41.427
48149_8149	48149	8149	-2.949	1.31	3.117	-0.727	-1.72	41.427
48149_8150	48149	8150	2.949	16.896	-3.117	0.727	-37.244	-138.845
48150_8150	48150	8150	-2.94	13.823	-0.792	-1.609	37.244	138.844
48150_8151	48150	8151	2.94	5.476	0.792	1.609	-26.745	-83.544
48151_8151	48151	8151	-2.941	-5.476	-0.791	-1.521	26.745	82.354
48151_8152	48151	8152	2.941	23.326	0.791	1.521	-17.451	-251.563
48152_8152	48152	8152	-2.939	17.229	-1.122	-2.429	17.451	251.56
48152_8153	48152	8153	2.939	-4.696	1.122	2.429	-8.198	-161.121
48153_8153	48153	8153	-2.94	4.696	-1.12	-2.306	8.198	161.114
48153_8154	48153	8154	2.94	16.193	1.12	2.306	7.196	-240.16
48154_8154	48154	8154	-2.941	18.785	-0.523	-1.763	-7.196	240.161
48154_8155	48154	8155	2.941	-2.074	0.523	1.763	12.95	-125.44
48155_8155	48155	8155	-2.94	2.074	-0.526	-1.877	-12.95	125.439
48155_8156	48155	8156	2.94	14.637	0.526	1.877	18.734	-194.539
48156_8156	48156	8156	-2.941	16.549	-0.31	-0.745	-18.734	194.542
48156_8157	48156	8157	2.941	-1.358	0.31	0.745	21.838	-105.006
48157_8157	48157	8157	-2.941	1.358	-0.31	-0.745	-21.838	105.006
48157_8158	48157	8158	2.941	13.834	0.31	0.745	24.942	-167.389
48158_8158	48158	8158	-2.942	15.331	0.082	0.53	-24.942	167.39
48158_8159	48158	8159	2.942	-0.139	-0.082	-0.53	24.126	-90.043
48159_8159	48159	8159	-2.942	0.139	0.079	0.44	-24.126	90.043
48159_8160	48159	8160	2.942	15.053	-0.079	-0.44	23.338	-164.614
48160_8160	48160	8160	-2.944	16.647	0.655	1.667	-23.338	164.779
48160_8161	48160	8161	2.944	0.064	-0.655	-1.667	16.128	-73.567
48161_8161	48161	8161	-2.944	-0.064	0.658	1.733	-16.128	73.565
48161_8162	48161	8162	2.944	16.774	-0.658	-1.733	8.888	-166.175
48162_8162	48162	8162	-2.945	15.39	1.206	2.467	-8.888	166.177
48162_8163	48162	8163	2.945	5.499	-1.206	-2.467	-7.692	-98.174
48163_8163	48163	8163	-2.946	-5.499	1.204	2.389	7.692	98.168
48163_8164	48163	8164	2.946	18.032	-1.204	-2.389	-17.623	-195.232
48164_8164	48164	8164	-2.944	19.561	1.007	1.956	17.623	195.228
48164_8165	48164	8165	2.944	-1.711	-1.007	-1.956	-29.455	-70.254
48165_8165	48165	8165	-2.945	1.711	1.006	1.89	29.455	70.648
48165_8166	48165	8166	2.945	18.955	-1.006	-1.89	-42.78	-184.889
48166_8166	48166	8166	-2.935	18.879	-4.606	1.092	42.78	184.735
48166_8167	48166	8167	2.935	0.617	4.606	-1.092	14.801	-70.593
48167_8167	48167	8167	-2.939	-0.617	-4.604	1.148	-14.801	70.592
48167_8168	48167	8168	2.939	20.113	4.604	-1.148	72.352	-200.149
48168_8168	48168	8168	-2.962	20.694	4.294	0.469	-72.352	200.004
48168_8169	48168	8169	2.962	-5.877	-4.294	-0.469	31.562	-73.792
48169_8169	48169	8169	-2.965	5.877	4.292	0.402	-31.562	73.788
48169_8170	48169	8170	2.965	6.211	-4.292	-0.402	-1.698	-75.08
48170_8170	48170	8170	-2.96	-6.211	4.295	0.499	1.698	75.08
48170_8171	48170	8171	2.96	18.298	-4.295	-0.499	-34.987	-170.051
48171_8171	48171	8171	-2.954	19.474	-0.867	-0.027	34.987	169.885
48171_8172	48171	8172	2.954	-6.997	0.867	0.027	-28.054	-64.001
48172_8172	48172	8172	-2.953	6.997	-0.87	-0.107	28.054	64.001
48172_8173	48172	8173	2.953	5.481	0.87	0.107	-21.091	-57.937
48173_8173	48173	8173	-2.954	-5.481	-0.867	-0.034	21.091	57.937
48173_8174	48173	8174	2.954	17.958	0.867	0.034	-14.158	-151.693
48174_8174	48174	8174	-2.956	18.85	0.089	-0.036	14.158	151.538
48174_8175	48174	8175	2.956	-9.492	-0.089	0.036	-14.689	-66.51

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48175_8175	48175	8175	-2.956	9.492	0.089	-0.036	14.689	66.51
48175_8176	48175	8176	2.956	-0.134	-0.089	0.036	-15.22	-37.631
48176_8176	48176	8176	-2.956	0.134	0.093	0.027	15.22	37.631
48176_8177	48176	8177	2.956	9.224	-0.093	-0.027	-15.781	-64.901
48177_8177	48177	8177	-2.956	-9.224	0.089	-0.082	15.781	64.901
48177_8178	48177	8178	2.956	18.582	-0.089	0.082	-16.312	-148.319
48178_8178	48178	8178	-2.959	18.44	1.109	-0.005	16.312	148.164
48178_8179	48178	8179	2.959	-5.963	-1.109	0.005	-25.182	-50.552
48179_8179	48179	8179	-2.958	5.963	1.112	0.058	25.182	50.552
48179_8180	48179	8180	2.958	6.515	-1.112	-0.058	-34.081	-52.76
48180_8180	48180	8180	-2.958	-6.515	1.112	0.058	34.081	52.76
48180_8181	48180	8181	2.958	18.992	-1.112	-0.058	-42.98	-154.787
48181_8181	48181	8181	-2.944	17.946	-4.494	-0.365	42.98	154.627
48181_8182	48181	8182	2.944	-5.858	4.494	0.365	-8.154	-62.386
48182_8182	48182	8182	-2.95	5.858	-4.49	-0.284	8.154	62.386
48182_8183	48182	8183	2.95	6.229	4.49	0.284	26.643	-63.824
48183_8183	48183	8183	-2.948	-6.229	-4.492	-0.299	-26.643	63.818
48183_8184	48183	8184	2.948	21.046	4.492	0.299	69.313	-193.376
48184_8184	48184	8184	-2.972	20.888	4.965	-0.969	-69.313	193.24
48184_8185	48184	8185	2.972	-1.392	-4.965	0.969	7.256	-53.994
48185_8185	48185	8185	-2.968	1.392	4.967	-0.925	-7.256	53.995
48185_8186	48185	8186	2.968	18.104	-4.967	0.925	-54.83	-158.449
48186_8186	48186	8186	-2.96	15.68	-1.203	-1.648	54.83	158.305
48186_8187	48186	8187	2.96	4.986	1.203	1.648	-38.891	-87.457
48187_8187	48187	8187	-2.959	-4.986	-1.204	-1.708	38.891	86.979
48187_8188	48187	8188	2.959	24.102	1.204	1.708	-24.743	-257.869
48188_8188	48188	8188	-2.961	19.343	-1.676	-2.826	24.743	257.686
48188_8189	48188	8189	2.961	-5.921	1.676	2.826	-10.913	-153.475
48189_8189	48189	8189	-2.96	5.921	-1.678	-2.919	10.913	153.492
48189_8190	48189	8190	2.96	16.449	1.678	2.919	12.157	-225.871
48190_8190	48190	8190	-2.959	19.606	-1.114	-2.503	-12.157	225.703
48190_8191	48190	8191	2.959	-1.71	1.114	2.503	24.405	-108.464
48191_8191	48191	8191	-2.96	1.71	-1.111	-2.405	-24.405	108.466
48191_8192	48191	8192	2.96	16.185	1.111	2.405	36.625	-188.081
48192_8192	48192	8192	-2.961	17.387	-0.361	-0.914	-36.625	187.91
48192_8193	48192	8193	2.961	-1.183	0.361	0.914	40.215	-95.433
48193_8193	48193	8193	-2.961	1.183	-0.361	-0.914	-40.215	95.433
48193_8194	48193	8194	2.961	15.037	0.361	0.914	43.81	-164.496
48194_8194	48194	8194	-2.966	16.132	0.381	0.788	-43.81	164.506
48194_8195	48194	8195	2.966	0.088	-0.381	-0.788	40.01	-84.522
48195_8195	48195	8195	-2.966	-0.088	0.381	0.788	-40.01	84.522
48195_8196	48195	8196	2.966	16.308	-0.381	-0.788	36.211	-166.252
48196_8196	48196	8196	-2.967	17.655	0.621	2.483	-36.211	166.092
48196_8197	48196	8197	2.967	0.241	-0.621	-2.483	29.375	-70.314
48197_8197	48197	8197	-2.967	-0.241	0.621	2.483	-29.375	70.314
48197_8198	48197	8198	2.967	18.136	-0.621	-2.483	22.539	-171.388
48198_8198	48198	8198	-2.97	16.405	1.038	3.481	-22.539	171.233
48198_8199	48198	8199	2.97	5.964	-1.038	-3.481	8.27	-99.451
48199_8199	48199	8199	-2.971	-5.964	1.036	3.404	-8.27	99.448
48199_8200	48199	8200	2.971	19.37	-1.036	-3.404	-0.264	-203.825
48200_8200	48200	8200	-2.96	21.094	0.308	2.815	0.264	204.003
48200_8201	48200	8201	2.96	-1.978	-0.308	-2.815	-3.878	-68.454
48201_8201	48201	8201	-2.96	1.978	0.306	2.738	3.878	68.695

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48201_8202	48201	8202	2.96	20.421	-0.306	-2.738	-7.936	-190.878
48202_8202	48202	8202	-2.918	20.342	-4.348	1.772	7.936	191.036
48202_8203	48202	8203	2.918	0.789	4.348	-1.772	46.415	-68.829
48203_8203	48203	8203	-2.918	-0.789	-4.348	1.772	-46.415	68.829
48203_8204	48203	8204	2.918	21.92	4.348	-1.772	100.766	-210.762
48204_8204	48204	8204	-3.016	22.41	3.864	0.987	-100.766	210.826
48204_8205	48204	8205	3.016	-6.35	-3.864	-0.987	64.056	-74.216
48205_8205	48205	8205	-3.014	6.35	3.866	1.004	-64.056	74.206
48205_8206	48205	8206	3.014	6.751	-3.866	-1.004	34.096	-75.759
48206_8206	48206	8206	-3.014	-6.751	3.866	1.004	-34.096	75.759
48206_8207	48206	8207	3.014	19.852	-3.866	-1.004	4.135	-178.847
48207_8207	48207	8207	-2.988	20.904	0.291	0.539	-4.135	179.002
48207_8208	48207	8208	2.988	-7.38	-0.291	-0.539	1.805	-65.867
48208_8208	48208	8208	-2.988	7.38	0.291	0.539	-1.805	65.867
48208_8209	48208	8209	2.988	6.144	-0.291	-0.539	-0.526	-60.923
48209_8209	48209	8209	-2.988	-6.144	0.291	0.539	0.526	60.923
48209_8210	48209	8210	2.988	19.668	-0.291	-0.539	-2.856	-164.168
48210_8210	48210	8210	-2.981	20.424	0.662	0.631	2.856	164.356
48210_8211	48210	8211	2.981	-10.281	-0.662	-0.631	-6.826	-72.243
48211_8211	48211	8211	-2.981	10.281	0.662	0.631	6.826	72.243
48211_8212	48211	8212	2.981	-0.138	-0.662	-0.631	-10.796	-40.987
48212_8212	48212	8212	-2.98	0.138	0.667	0.699	10.796	40.986
48212_8213	48212	8213	2.98	10.005	-0.667	-0.699	-14.796	-70.587
48213_8213	48213	8213	-2.981	-10.005	0.662	0.582	14.796	70.588
48213_8214	48213	8214	2.981	20.148	-0.662	-0.582	-18.766	-161.046
48214_8214	48214	8214	-2.963	20.079	1.135	0.858	18.766	161.239
48214_8215	48214	8215	2.963	-6.555	-1.135	-0.858	-27.844	-54.705
48215_8215	48215	8215	-2.963	6.555	1.135	0.858	27.844	54.705
48215_8216	48215	8216	2.963	6.969	-1.135	-0.858	-36.921	-56.364
48216_8216	48216	8216	-2.963	-6.969	1.135	0.858	36.921	56.364
48216_8217	48216	8217	2.963	20.493	-1.135	-0.858	-45.999	-166.218
48217_8217	48217	8217	-2.965	19.487	-3.654	0.865	45.999	166.205
48217_8218	48217	8218	2.965	-6.386	3.654	-0.865	-17.677	-65.946
48218_8218	48218	8218	-2.965	6.386	-3.654	0.865	17.677	65.946
48218_8219	48218	8219	2.965	6.716	3.654	-0.865	10.646	-67.226
48219_8219	48219	8219	-2.965	-6.716	-3.655	0.862	-10.646	67.224
48219_8220	48219	8220	2.965	22.776	3.655	-0.862	45.368	-207.31
48220_8220	48220	8220	-2.874	22.665	4.491	0.077	-45.368	207.35
48220_8221	48220	8221	2.874	-1.544	-4.491	-0.077	-10.748	-56.111
48221_8221	48221	8221	-2.874	1.544	4.491	0.076	10.748	56.111
48221_8222	48221	8222	2.874	19.593	-4.491	-0.076	-66.907	-168.953
48222_8222	48222	8222	-3.005	17.324	-2.069	-0.523	66.907	168.95
48222_8223	48222	8223	3.005	5.082	2.069	0.523	-39.48	-87.819
48223_8223	48223	8223	-3.004	-5.082	-2.07	0.086	39.48	86.368
48223_8224	48223	8224	3.004	25.774	2.07	-0.086	-15.176	-267.553
48224_8224	48224	8224	-2.96	21.291	0.292	-1.636	15.176	267.48
48224_8225	48224	8225	2.96	-6.762	-0.292	1.636	-17.58	-151.818
48225_8225	48225	8225	-2.959	6.762	0.295	-1.47	17.58	151.807
48225_8226	48225	8226	2.959	19.193	-0.295	1.47	-21.924	-243.369
48226_8226	48226	8226	-2.978	21.503	-1.191	-0.847	21.924	243.307
48226_8227	48226	8227	2.978	-1.261	1.191	0.847	-8.236	-112.546
48227_8227	48227	8227	-2.985	1.261	-1.173	-0.162	8.236	112.549
48227_8228	48227	8228	2.985	18.987	1.173	0.162	5.246	-214.395

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48228_8228	48228	8228	-2.969	20.505	2.957	0.221	-5.246	214.535
48228_8229	48228	8229	2.969	-0.251	-2.957	-0.221	-28.743	-95.245
48229_8229	48229	8229	-2.967	0.251	2.96	0.308	28.743	95.244
48229_8230	48229	8230	2.967	19.985	-2.96	-0.308	-62.736	-208.568
48230_8230	48230	8230	-2.968	21.456	2.793	0.626	62.736	208.592
48230_8231	48230	8231	2.968	-0.162	-2.793	-0.626	-96.49	-77.961
48231_8231	48231	8231	-2.944	0.162	2.818	1.274	96.49	77.953
48231_8232	48231	8232	2.944	21.124	-2.818	-1.274	-130.528	-204.574
48232_8232	48232	8232	-2.779	20.808	-18.527	3.539	130.528	204.693
48232_8233	48232	8233	2.779	2.885	18.527	-3.539	118.606	-84.192
48233_8233	48233	8233	-2.773	-2.885	-18.528	3.511	-118.606	84.193
48233_8234	48233	8234	2.773	20.257	18.528	-3.511	301.284	-198.281
48234_8234	48234	8234	-1.085	19.564	18.448	-0.812	-301.284	197.519
48234_8235	48234	8235	1.085	-1.802	-18.448	0.812	115.319	-89.832
48235_8235	48235	8235	-0.845	1.802	18.461	0.288	-115.319	89.792
48235_8236	48235	8236	0.845	15.833	-18.461	-0.288	-58.537	-155.859
48236_8236	48236	8236	-0.365	16.354	2.032	0.64	58.537	155.768
48236_8237	48236	8237	0.365	0.793	-2.032	-0.64	-77.141	-84.52
48237_8237	48237	8237	-0.383	-0.793	2.028	-0.098	77.141	84.523
48237_8238	48237	8238	0.383	20.143	-2.028	0.098	-98.102	-192.694
48238_8238	48238	8238	-0.012	23.141	-5.116	0.308	98.102	192.565
48238_8239	48238	8239	0.012	6.62	5.116	-0.308	-16.793	-61.281
48239_8239	48239	8239	-0.016	-6.62	-5.116	0.355	16.793	61.281
48239_8240	48239	8240	0.016	22.723	5.116	-0.355	27.2	-187.448
48240_8240	48240	8240	-0.351	20.963	2.537	-0.424	-27.2	187.403
48240_8241	48240	8241	0.351	-1.691	-2.537	0.424	1.087	-70.825
48241_8241	48241	8241	-0.352	1.691	2.537	-0.453	-1.087	70.824
48241_8242	48241	8242	0.352	15.795	-2.537	0.453	-22.604	-136.678
48242_8242	48242	8242	-0.243	17.631	-0.018	0.301	22.604	136.531
48242_8243	48242	8243	0.243	1.906	0.018	-0.301	-22.415	-54.497
48243_8243	48243	8243	-0.243	-1.906	-0.018	0.262	22.415	54.497
48243_8244	48243	8244	0.243	19.11	0.018	-0.262	-22.247	-151.04
48244_8244	48244	8244	-0.267	19.014	0.707	0.243	22.247	151.007
48244_8245	48244	8245	0.267	-1.331	-0.707	-0.243	-28.922	-54.951
48245_8245	48245	8245	-0.261	1.331	0.709	0.733	28.922	54.946
48245_8246	48245	8246	0.261	17.723	-0.709	-0.733	-36.139	-138.345
48246_8246	48246	8246	-0.276	15.876	1.076	0.569	36.139	138.514
48246_8247	48246	8247	0.276	2.746	-1.076	-0.569	-46.839	-73.225
48247_8247	48247	8247	-0.276	-2.746	1.076	0.549	46.839	73.225
48247_8248	48247	8248	0.276	20.877	-1.076	-0.549	-57.256	-187.592
48248_8248	48248	8248	-0.136	22.424	-4.672	0.1	57.256	187.665
48248_8249	48248	8249	0.136	0.056	4.672	-0.1	-1.173	-53.397
48249_8249	48249	8249	-0.192	-0.056	-4.67	0.741	1.173	53.392
48249_8250	48249	8250	0.192	23.453	4.67	-0.741	57.17	-200.259
48250_8250	48250	8250	-0.293	22.071	3.422	-0.558	-57.17	200.289
48250_8251	48250	8251	0.293	-1.272	-3.422	0.558	19.162	-70.647
48251_8251	48251	8251	-0.29	1.272	3.422	-0.491	-19.162	70.647
48251_8252	48251	8252	0.29	18.417	-3.422	0.491	-16.819	-160.787
48252_8252	48252	8252	-0.275	18.692	1.088	-1.064	16.819	160.73
48252_8253	48252	8253	0.275	3.975	-1.088	1.064	-29.988	-71.654
48253_8253	48253	8253	-0.269	-3.975	1.089	-0.722	29.988	71.658
48253_8254	48253	8254	0.269	21.806	-1.089	0.722	-40.359	-194.4
48254_8254	48254	8254	-0.269	18.994	-1.187	-3.832	40.359	194.202

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48254_8255	48254	8255	0.269	4.394	1.187	3.832	-26.311	-107.808
48255_8255	48255	8255	-0.268	-4.394	-1.187	-3.915	26.311	107.805
48255_8256	48255	8256	0.268	29.415	1.187	3.915	-11.28	-321.826
48256_8256	48256	8256	-0.271	23.319	-2.079	-3.773	11.28	321.839
48256_8257	48256	8257	0.271	-0.274	2.079	3.773	12.959	-184.279
48257_8257	48257	8257	-0.287	0.274	-2.077	-2.399	-12.959	184.302
48257_8258	48257	8258	0.287	22.255	2.077	2.399	36.633	-309.593
48258_8258	48258	8258	-0.299	20.95	-2.17	-2.43	-36.633	309.488
48258_8259	48258	8259	0.299	2.256	2.17	2.43	62.111	-199.73
48259_8259	48259	8259	-0.3	-2.256	-2.17	-2.386	-62.111	199.73
48259_8260	48259	8260	0.3	24.603	2.17	2.386	86.646	-351.593
48260_8260	48260	8260	-0.365	21.361	-6.308	-2.842	-86.646	351.767
48260_8261	48260	8261	0.365	-3.429	6.308	2.842	143.879	-239.298
48261_8261	48261	8261	-0.44	3.429	-6.303	0.025	-143.879	239.315
48261_8262	48261	8262	0.44	24.217	6.303	-0.025	232.05	-384.721
48262_8262	48262	8262	-0.109	25.37	5.403	-1.49	-232.05	384.538
48262_8263	48262	8263	0.109	-0.225	-5.403	1.49	163.308	-221.712
48263_8263	48263	8263	-0.114	0.225	5.403	-1.672	-163.308	221.71
48263_8264	48263	8264	0.114	21.717	-5.403	1.672	103.325	-341.016
48264_8264	48264	8264	-0.384	26.193	-6.593	1.797	-103.325	341.059
48264_8265	48264	8265	0.384	-2.32	6.593	-1.797	182.974	-168.836
48265_8265	48265	8265	-0.383	2.32	-6.593	1.772	-182.974	168.837
48265_8266	48265	8266	0.383	22.876	6.593	-1.772	267.035	-299.872
48266_8266	48266	8266	0.25	23.061	10.492	0.518	-267.035	299.859
48266_8267	48266	8267	-0.25	-2.352	-10.492	-0.518	157.091	-166.71
48267_8267	48267	8267	0.237	2.352	10.492	0.309	-157.091	166.711
48267_8268	48267	8268	-0.237	14.244	-10.492	-0.309	68.981	-216.641
48268_8268	48268	8268	0.015	21.291	1.233	0.071	-68.981	216.69
48268_8269	48268	8269	-0.015	4.235	-1.233	-0.071	53.299	-108.264
48269_8269	48269	8269	0.026	-4.235	1.233	0.961	-53.299	108.259
48269_8270	48269	8270	-0.026	25.204	-1.233	-0.961	40.418	-261.992
48270_8270	48270	8270	0.032	34.87	1.702	0.638	-40.418	261.902
48270_8271	48270	8271	-0.032	-11.392	-1.702	-0.638	20.521	8.588
48271_8271	48271	8271	0.033	11.392	1.702	0.635	-20.521	-8.588
48271_8272	48271	8272	-0.033	12.823	-1.702	-0.635	0	-0.04
48372_8372	48372	8372	32.487	10.498	-0.2	-0.018	0.14	-43.386
48372_8373	48372	8373	-32.487	8.025	0.2	0.018	2.337	58.717
48373_8373	48373	8373	60.552	-8.025	-0.202	0.015	-2.055	-95.979
48373_8374	48373	8374	-60.552	25.053	0.202	-0.015	4.359	-92.5
48374_8374	48374	8374	72.639	15.403	0.103	0.001	-3.887	76.49
48374_8375	48374	8375	-72.639	0.286	-0.103	-0.001	2.805	2.877
48375_8375	48375	8375	69.944	-0.286	0.089	0.002	-2.108	0.873
48375_8376	48375	8376	-69.944	14.635	-0.089	-0.002	1.25	-72.523
48376_8376	48376	8376	68.652	18.275	0.168	0.213	-0.851	74.807
48376_8377	48376	8377	-68.652	-1.018	-0.168	-0.213	-1.085	36.606
48377_8377	48377	8377	68.663	1.018	0.115	-0.216	1.452	-36.647
48377_8378	48377	8378	-68.663	17.215	-0.115	0.216	-2.86	-62.178
48378_8378	48378	8378	68.467	16.629	-0.193	0.004	3.351	62.434
48378_8379	48378	8379	-68.467	1.886	0.193	-0.004	-0.964	28.91
48379_8379	48379	8379	68.221	-1.886	-0.196	0.011	1.264	-28.373
48379_8380	48379	8380	-68.221	18.628	0.196	-0.011	0.932	-86.558
48380_8380	48380	8380	66.812	17.672	0.003	0.042	-0.702	87.663
48380_8381	48380	8381	-66.812	-2.134	-0.003	-0.042	0.672	15.319

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48381_8381	48381	8381	64.338	2.134	-0.032	-0.014	-0.348	-12.142
48381_8382	48381	8382	-64.338	12.614	0.032	0.014	0.668	-39.576
48382_8382	48382	8382	61.557	16.952	-0.025	0.041	-0.349	43.308
48382_8383	48382	8383	-61.557	-0.279	0.025	-0.041	0.633	52.833
48383_8383	48383	8383	58.429	0.277	-0.028	0.003	-0.472	-48.729
48383_8384	48383	8384	-58.429	16.936	0.028	-0.003	0.789	-47.227
48384_8384	48384	8384	67.912	17.323	-0.049	-0.001	0.115	30.034
48384_8385	48384	8385	-67.912	-0.799	0.049	0.001	0.436	71.007
48385_8385	48385	8385	57.535	0.799	-0.045	0.06	0.214	-56.461
48385_8386	48385	8386	-57.535	15.736	0.045	-0.06	0.287	-26.884
48386_8386	48386	8386	53.053	17.802	-0.016	0.256	0.145	32.816
48386_8387	48386	8387	-53.053	-1.385	0.016	-0.256	0.03	73.479
48387_8387	48387	8387	54.571	1.385	-0.028	-0.169	0.298	-75.743
48387_8388	48387	8388	-54.571	17.393	0.028	0.169	0.051	-25.692
48388_8388	48388	8388	56.021	17.628	-0.043	0.005	0.427	24.132
48388_8389	48388	8389	-56.021	0.266	0.043	-0.005	0.098	80.695
48389_8389	48389	8389	57.28	-0.266	-0.044	0.047	0.436	-82.543
48389_8390	48389	8390	-57.28	17.578	0.044	-0.047	0.082	-21.695
48390_8390	48390	8390	58.709	17.321	-0.042	0.24	0.466	19.79
48390_8391	48390	8391	-58.709	1.521	0.042	-0.24	0.065	80.668
48391_8391	48391	8391	60.225	-1.521	-0.081	-0.238	0.675	-82.81
48391_8392	48391	8392	-60.225	17.884	0.081	0.238	0.216	-24.339
48392_8392	48392	8392	61.8	17.154	-0.07	-0.012	0.7	21.842
48392_8393	48392	8393	-61.8	-0.284	0.07	0.012	0.101	77.423
48393_8393	48393	8393	63.617	0.284	-0.057	0.026	0.771	-79.899
48393_8394	48393	8394	-63.617	18.038	0.057	-0.026	-0.066	-29.866
48394_8394	48394	8394	65.768	16.541	-0.087	0.239	0.834	26.603
48394_8395	48394	8395	-65.768	1.074	0.087	-0.239	0.206	65.329
48395_8395	48395	8395	68.175	-1.074	-0.121	-0.249	0.697	-68.522
48395_8396	48395	8396	-68.175	18.635	0.121	0.249	0.739	-48.261
48396_8396	48396	8396	67.557	18.687	0.037	-0.039	0.234	49.55
48396_8397	48396	8397	-67.557	-0.925	-0.037	0.039	-0.678	67.99
48397_8397	48397	8397	63.851	0.925	0.038	0.009	1.514	-63.111
48397_8398	48397	8398	-63.851	16.495	-0.038	-0.009	-1.959	-28.41
48398_8398	48398	8398	40.618	18.591	-0.533	0.002	3.857	59.208
48398_8399	48398	8399	-40.618	-3.733	0.533	-0.002	1.486	52.718
48572_8572	48572	8572	-0.008	9.127	-0.256	0.593	0	0.001
48572_8573	48572	8573	0.008	9.401	0.256	-0.593	3.172	-1.7
48573_8573	48573	8573	-0.008	-9.401	-0.256	0.593	-3.172	1.7
48573_8574	48573	8574	0.008	26.315	0.256	-0.593	6.067	-203.85
48574_8574	48574	8574	0.023	16.189	0.573	0.343	-6.067	203.813
48574_8575	48574	8575	-0.023	-0.785	-0.573	-0.343	0.158	-116.312
48575_8575	48575	8575	0.024	0.785	0.573	0.461	-0.158	116.311
48575_8576	48575	8576	-0.024	13.404	-0.573	-0.461	-5.284	-176.225
48576_8576	48576	8576	-0.036	17.672	1.186	-0.246	5.284	175.862
48576_8577	48576	8577	0.036	-0.348	-1.186	0.246	-19.039	-71.398
48577_8577	48577	8577	-0.021	0.348	1.187	0.622	19.039	71.395
48577_8578	48577	8578	0.021	18.135	-1.187	-0.622	-33.718	-181.407
48578_8578	48578	8578	-0.104	17.555	-1.41	-0.609	33.718	181.514
48578_8579	48578	8579	0.104	0.556	1.41	0.609	-16.631	-78.49
48579_8579	48579	8579	-0.104	-0.556	-1.41	-0.658	16.631	78.49
48579_8580	48579	8580	0.104	17.58	1.41	0.658	-0.57	-181.808
48580_8580	48580	8580	-0.006	17.293	0.428	-1.022	0.57	182.664

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48580_8581	48580	8581	0.006	-2.056	-0.428	1.022	-4.93	-84.012
48581_8581	48581	8581	-0.003	2.056	0.428	-0.442	4.93	84.017
48581_8582	48581	8582	0.003	12.912	-0.428	0.442	-9.214	-138.392
48582_8582	48582	8582	-0.028	16.952	-0.606	-0.82	9.214	138.298
48582_8583	48582	8583	0.028	-0.743	0.606	0.82	-2.638	-42.322
48583_8583	48583	8583	-0.028	0.743	-0.606	-0.84	2.638	42.322
48583_8584	48583	8584	0.028	16.767	0.606	0.84	4.467	-136.215
48584_8584	48584	8584	-0.037	17.72	-1.085	-0.65	-4.467	136.177
48584_8585	48584	8585	0.037	-0.949	1.085	0.65	16.742	-30.523
48585_8585	48585	8585	-0.038	0.949	-1.084	-0.624	-16.742	30.524
48585_8586	48585	8586	0.038	15.233	1.084	0.624	28.585	-108.523
48586_8586	48586	8586	-0.008	17.471	0.658	0.031	-28.585	108.593
48586_8587	48586	8587	0.008	-1.262	-0.658	-0.031	21.391	-6.132
48587_8587	48587	8587	-0.004	1.262	0.658	0.075	-21.391	6.131
48587_8588	48587	8588	0.004	17.631	-0.658	-0.075	13.004	-110.483
48588_8588	48588	8588	-0.018	17.522	0.098	0.748	-13.004	109.541
48588_8589	48588	8589	0.018	0.196	-0.098	-0.748	11.838	-5.957
48589_8589	48589	8589	-0.018	-0.196	0.097	0.746	-11.838	5.957
48589_8590	48589	8590	0.018	17.561	-0.097	-0.746	10.696	-110.007
48590_8590	48590	8590	-0.011	17.164	0.43	1.433	-10.696	110.039
48590_8591	48590	8591	0.011	1.563	-0.43	-1.433	5.265	-11.454
48591_8591	48591	8591	-0.008	-1.563	0.43	1.512	-5.265	11.443
48591_8592	48591	8592	0.008	17.92	-0.43	-1.512	0.522	-118.975
48592_8592	48592	8592	-0.006	17.152	0.517	2.202	-0.522	119.489
48592_8593	48592	8593	0.006	-0.523	-0.517	-2.202	-5.282	-20.31
48593_8593	48593	8593	-0.006	0.523	0.517	2.202	5.282	20.31
48593_8594	48593	8594	0.006	17.929	-0.517	-2.202	-11.721	-128.684
48594_8594	48594	8594	-0.013	16.047	-0.122	2.699	11.721	129.218
48594_8595	48594	8595	0.013	1.576	0.122	-2.699	-10.269	-43.167
48595_8595	48595	8595	-0.014	-1.576	-0.122	3.035	10.269	43.144
48595_8596	48595	8596	0.014	19.036	0.122	-3.035	-8.831	-164.584
48596_8596	48596	8596	-0.027	19.436	-0.308	3.263	8.831	164.245
48596_8597	48596	8597	0.027	-1.714	0.308	-3.263	-5.147	-37.765
48597_8597	48597	8597	-0.027	1.714	-0.308	3.251	5.147	37.766
48597_8598	48597	8598	0.027	15.639	0.308	-3.251	-1.54	-119.302
48598_8598	48598	8598	0.041	22.674	-0.231	3.758	1.54	119.288
48598_8599	48598	8599	-0.041	-12.791	0.231	-3.758	0	-1.027
49000_9000	49000	9000	-5.798	394.255	9.114	3.745	0	-36.374
49000_9001	49000	9001	5.798	-366.276	-9.114	-3.745	-75.646	3192.596
49001_9001	49001	9001	-5.786	366.276	9.122	-0.714	75.646	-3192.6
49001_9002	49001	9002	5.786	-336.294	-9.122	0.714	-156.777	6316.952
49002_9002	49002	9002	-5.778	322.657	-7.676	8.43	156.777	-6316.95
49002_9003	49002	9003	5.778	-281.925	7.676	-8.43	-64.021	9969.586
49003_9003	49003	9003	-5.791	281.925	-7.666	-9.033	64.021	-9969.59
49003_9004	49003	9004	5.791	-241.169	7.666	9.033	28.668	13131.79
49004_9004	49004	9004	-5.791	219.679	1.273	13.137	-28.668	-13131.8
49004_9005	49004	9005	5.791	-178.961	-1.273	-13.137	13.296	15539.41
49005_9005	49005	9005	-5.788	178.961	1.283	-14.069	-13.296	-15539.4
49005_9006	49005	9006	5.788	-138.218	-1.283	14.069	-2.207	17456.18
49006_9006	49006	9006	-5.788	116.66	0.325	7.488	2.207	-17456.2
49006_9007	49006	9007	5.788	-75.922	-0.325	-7.488	-6.13	18619.86
49007_9007	49007	9007	-5.787	75.922	0.329	-7.788	6.13	-18619.9
49007_9008	49007	9008	5.787	-35.188	-0.329	7.788	-10.111	19291.17

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49008_9008	49008	9008	-5.787	13.368	-0.232	-1.255	10.111	-19291.2
49008_9009	49008	9009	5.787	27.387	0.232	1.255	-7.311	19206.41
49009_9009	49009	9009	-5.787	-27.387	-0.232	0.783	7.311	-19206.4
49009_9010	49009	9010	5.787	68.107	0.232	-0.783	-4.506	18629.64
49010_9010	49010	9010	-5.787	-91.023	0.972	14.287	4.506	-18629.7
49010_9011	49010	9011	5.787	131.769	-0.972	-14.287	-16.249	17283.18
49011_9011	49011	9011	-5.785	-131.769	0.981	-14.087	16.249	-17283.2
49011_9012	49011	9012	5.785	172.506	-0.981	14.087	-28.104	15444.64
49012_9012	49012	9012	-5.785	-194.614	0.378	10.831	28.104	-15444.7
49012_9013	49012	9013	5.785	235.347	-0.378	-10.831	-32.674	12846.95
49013_9013	49013	9013	-5.784	-235.347	0.388	-10.272	32.674	-12846.9
49013_9014	49013	9014	5.784	276.071	-0.388	10.272	-37.357	9757.729
49014_9014	49014	9014	-5.783	-297.402	2.102	7.521	37.357	-9757.72
49014_9015	49014	9015	5.783	349.804	-2.102	-7.521	-70.04	4727.213
49015_9015	49015	9015	-1.87	-349.852	2.112	-1.901	70.012	-4730.86
49015_9016	49015	9016	1.572	376.08	-2.112	1.901	-87.433	1736.413
49016_9016	49016	9016	7.073	-396.871	-2.18	-1.46	87.435	-1736.1
49016_9017	49016	9017	-8.306	434.456	2.18	1.46	-61.791	-3151.95
49017_9017	49017	9017	20.369	-434.065	-2.167	4.163	62.143	3151.768
49017_9018	49017	9018	-23.112	479.095	2.167	-4.163	-33.358	-9211.54
49018_9018	49018	9018	38.403	-500.426	1.506	-11.57	32.124	9211.35
49018_9019	49018	9019	-42.353	544.72	-1.506	11.57	-51.056	-15764.3
49019_9019	49019	9019	57.288	-543.354	1.515	13.397	53.758	15764.29
49019_9020	49019	9020	-62.764	590.139	-1.515	-13.397	-72.894	-22894.9
49020_9020	49020	9020	-2259.74	183.227	-21.344	-4.077	458.222	4483.068
49020_9021	49020	9021	2259.738	-152.221	21.344	4.077	-255.398	-2889.24
49021_9021	49021	9021	-2259.78	152.221	-16.142	1.413	255.398	2851.462
49021_9022	49021	9022	2259.781	-129.073	16.142	-1.413	-130.478	-1762.99
49022_9022	49022	9022	-2259.76	129.073	-18.38	-0.334	130.478	1762.989
49022_9023	49022	9023	2259.764	-105.863	18.38	0.334	12.156	-851.432
49023_9023	49023	9023	-2259.82	86.848	-4.917	-0.483	-12.156	851.426
49023_9024	49023	9024	2259.82	-62.921	4.917	0.483	51.491	-252.376
49024_9024	49024	9024	-2259.82	62.921	-4.917	-0.483	-51.491	252.376
49024_9025	49024	9025	2259.82	-38.994	4.917	0.483	90.827	155.266
49025_9025	49025	9025	-2259.82	35.354	-2.109	-0.676	-90.827	-155.266
49025_9026	49025	9026	2259.824	-11.43	2.109	0.676	107.699	342.368
49026_9026	49026	9026	-2259.82	-5.099	-5.385	0.044	-107.699	-342.367
49026_9027	49026	9027	2259.82	23.035	5.385	-0.044	139.987	258.015
49027_9027	49027	9027	-2259.83	-23.035	-1.23	-0.43	-139.987	-258.015
49027_9028	49027	9028	2259.826	40.996	1.23	0.43	147.375	65.753
49028_9028	49028	9028	-2259.83	-40.996	-1.638	-0.418	-147.375	-65.753
49028_9029	49028	9029	2259.826	58.929	1.638	0.418	157.196	-233.79
49029_9029	49029	9029	-2259.83	-58.929	-1.23	-0.376	-157.196	233.79
49029_9030	49029	9030	2259.826	76.89	1.23	0.376	164.583	-641.605
49030_9030	49030	9030	-2259.83	-93.669	1.412	-1.218	-164.583	641.61
49030_9031	49030	9031	2259.828	117.583	-1.412	1.218	153.293	-1486.12
49031_9031	49031	9031	-2259.83	-117.583	1.412	-1.218	-153.293	1486.124
49031_9032	49031	9032	2259.828	141.497	-1.412	1.218	142.003	-2521.84
49032_9032	49032	9032	-2259.82	-141.497	4.52	2.25	-142.003	2521.838
49032_9033	49032	9033	2259.824	165.438	-4.52	-2.25	105.828	-3750.22
49033_9033	49033	9033	-2259.79	-184.11	13.158	-4.881	-105.828	3750.258
49033_9034	49033	9034	2259.79	207.297	-13.158	4.881	3.822	-5267.44
49034_9034	49034	9034	-2259.79	-207.297	13.158	-4.881	-3.822	5267.436

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49034_9035	49034	9035	2259.79	230.485	-13.158	4.881	-98.185	-6964.37
49035_9035	49035	9035	-2259.75	-230.485	18.552	11.127	98.185	7003.19
49035_9036	49035	9036	2259.752	261.481	-18.552	-11.127	-274.425	-9339.94
49036_9036	49036	9036	39.773	505.324	-1.221	-30.424	31.954	28988.68
49036_9037	49036	9037	-34.297	-458.567	1.221	30.424	-16.542	-22929.1
49037_9037	49037	9037	21.648	459.312	-1.175	25.533	10.736	22929.11
49037_9038	49037	9038	-17.697	-414.994	1.175	-25.533	4.048	-17444.6
49038_9038	49038	9038	4.994	395.648	1.291	-7.457	-1.337	17445.02
49038_9039	49038	9039	-2.251	-350.639	-1.291	7.457	-15.809	-12495.3
49039_9039	49039	9039	-7.936	350.671	1.326	12.667	15.032	12536.92
49039_9040	49039	9040	9.17	-313.026	-1.326	-12.667	-30.628	-8634.28
49040_9040	49040	9040	-15.729	289.539	-0.637	-3.146	30.994	8634.681
49040_9041	49040	9041	16.027	-263.38	0.637	3.146	-25.743	-6354.41
49041_9041	49041	9041	-18.803	263.079	-0.639	-3.849	25.715	6366.215
49041_9042	49041	9042	18.803	-219.326	0.639	3.849	-16.054	-2719.31
49042_9042	49042	9042	-18.804	198.753	-0.658	-2.395	16.054	2719.315
49042_9043	49042	9043	18.804	-164.366	0.658	2.395	-8.236	-561.862
49043_9043	49043	9043	-18.805	164.366	-0.644	-1.968	8.236	561.863
49043_9044	49043	9044	18.805	-130.012	0.644	1.968	-0.595	1185.567
49044_9044	49044	9044	-18.806	105.36	-0.111	0.48	0.595	-1185.56
49044_9045	49044	9045	18.806	-70.982	0.111	-0.48	0.727	2233.042
49045_9045	49045	9045	-18.806	70.982	-0.096	-1.392	-0.727	-2233.04
49045_9046	49045	9046	18.806	-36.606	0.096	1.392	1.862	2872.074
49046_9046	49046	9046	-18.806	15.427	0.043	2.372	-1.862	-2872.07
49046_9047	49046	9047	18.806	18.943	-0.043	-2.372	1.354	2851.193
49047_9047	49047	9047	-18.806	-18.943	0.059	-0.019	-1.354	-2851.19
49047_9048	49047	9048	18.806	53.311	-0.059	0.019	0.659	2422.132
49048_9048	49048	9048	-18.806	-74.305	0.113	3.11	-0.659	-2422.14
49048_9049	49048	9049	18.806	108.667	-0.113	-3.11	-0.682	1335.763
49049_9049	49049	9049	-18.806	-108.667	0.129	1.989	0.682	-1335.77
49049_9050	49049	9050	18.806	143.027	-0.129	-1.989	-2.211	-158.532
49050_9050	49050	9050	-18.805	-163.079	1.535	2.749	2.211	158.529
49050_9051	49050	9051	18.805	206.874	-1.535	-2.749	-25.449	-2958.01
49051_9051	49051	9051	-16.343	-207.192	1.553	5.443	25.498	2954.269
49051_9052	49051	9052	16.065	231.663	-1.553	-5.443	-38.309	-4764.38
49052_9052	49052	9052	-10.216	-252.636	-1.179	4.4	38.365	4764.263
49052_9053	49052	9053	9.063	287.779	1.179	-4.4	-24.507	-7940.35
49053_9053	49053	9053	-0.842	-288.052	-1.175	2.835	24.585	7932.39
49053_9054	49053	9054	-1.871	332.473	1.175	-2.835	-8.976	-12050.9
49054_9054	49054	9054	13.139	-352.898	0.014	-4.584	8.371	12050.58
49054_9055	49054	9055	-17.034	396.473	-0.014	4.584	-8.582	-16750.9
49055_9055	49055	9055	28.017	-395.915	0.029	8.462	10.009	16750.87
49055_9056	49055	9056	-33.394	441.743	-0.029	-8.462	-10.424	-22019.2
49056_9056	49056	9056	-1943.6	245.245	-14.438	-6.006	218.144	7049.063
49056_9057	49056	9057	1943.597	-214.586	14.438	6.006	-81.001	-4865.13
49057_9057	49057	9057	-1943.62	214.586	-10.93	2.788	81.001	4831.524
49057_9058	49057	9058	1943.619	-190.025	10.93	-2.788	3.736	-3263.16
49058_9058	49058	9058	-1943.63	190.025	-8.43	6.985	-3.736	3263.15
49058_9059	49058	9059	1943.632	-165.465	8.43	-6.985	69.084	-1885.32
49059_9059	49059	9059	-1943.65	147.657	-4.14	0.075	-69.084	1885.297
49059_9060	49059	9060	1943.647	-122.335	4.14	-0.075	102.174	-806.333
49060_9060	49060	9060	-1943.65	118.695	-1.536	1.156	-102.174	806.333
49060_9061	49060	9061	1943.651	-93.344	1.536	-1.156	114.462	42.012

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49061_9061	49061	9061	-1943.65	93.344	-1.536	1.156	-114.462	-42.012
49061_9062	49061	9062	1943.651	-67.992	1.536	-1.156	126.75	687.501
49062_9062	49062	9062	-1943.65	52.015	0.887	1.045	-126.75	-687.501
49062_9063	49062	9063	1943.649	-32.989	-0.887	-1.045	121.425	942.744
49063_9063	49063	9063	-1943.65	32.989	-2.579	2.726	-121.425	-942.74
49063_9064	49063	9064	1943.647	-13.992	2.579	-2.726	136.887	1083.592
49064_9064	49064	9064	-1943.65	13.992	3.888	-0.88	-136.887	-1083.6
49064_9065	49064	9065	1943.645	5.001	-3.888	0.88	113.577	1110.545
49065_9065	49065	9065	-1943.65	-5.001	0.887	0.836	-113.577	-1110.55
49065_9066	49065	9066	1943.649	24.027	-0.887	-0.836	108.252	1023.383
49066_9066	49066	9066	-1943.65	-39.936	2.529	1.482	-108.252	-1023.39
49066_9067	49066	9067	1943.648	65.28	-2.529	-1.482	88.024	602.544
49067_9067	49067	9067	-1943.64	-65.28	4.952	0.73	-88.024	-602.546
49067_9068	49067	9068	1943.643	90.622	-4.952	-0.73	48.41	-20.981
49068_9068	49068	9068	-1943.64	-90.622	4.952	0.73	-48.41	20.981
49068_9069	49068	9069	1943.643	115.965	-4.952	-0.73	8.795	-847.218
49069_9069	49069	9069	-1943.61	-133.409	12.43	-1.592	-8.795	847.232
49069_9070	49069	9070	1943.614	157.955	-12.43	1.592	-87.504	-1975.9
49070_9070	49070	9070	-1943.61	-157.955	12.598	-1.421	87.504	1975.901
49070_9071	49070	9071	1943.612	182.532	-12.598	1.421	-185.231	-3296.56
49071_9071	49071	9071	-1943.59	-182.532	16.047	4.579	185.231	3329.125
49071_9072	49071	9072	1943.587	213.196	-16.047	-4.579	-337.685	-5208.88
49072_9072	49072	9072	27.756	476.249	0.214	-11.437	35.713	19823.55
49072_9073	49072	9073	-22.379	-430.428	-0.214	11.437	-38.356	-14122.7
49073_9073	49073	9073	10.473	430.835	0.26	10.725	35.876	14122.66
49073_9074	49073	9074	-6.578	-387.241	-0.26	-10.725	-39.104	-8989.46
49074_9074	49074	9074	-5.322	369.918	0.878	1.111	40.013	8989.58
49074_9075	49074	9075	8.035	-325.523	-0.878	-1.111	-51.675	-4376.78
49075_9075	49075	9075	-17.795	325.09	0.94	6.904	51.521	4382.158
49075_9076	49075	9076	18.929	-290.502	-0.94	-6.904	-62.576	-763.809
49076_9076	49076	9076	-25.021	269.716	-1.346	-2.044	62.728	763.912
49076_9077	49076	9077	25.295	-245.651	1.346	2.044	-51.629	1360.646
49077_9077	49077	9077	-27.902	241.626	-1.336	-3.47	51.617	-1354.32
49077_9078	49077	9078	27.902	-199.625	1.336	3.47	-33.298	4379.965
49078_9078	49078	9078	-27.904	182.147	-0.686	1.502	33.298	-4379.97
49078_9079	49078	9079	27.904	-147.972	0.686	-1.502	-25.643	6221.761
49079_9079	49079	9079	-27.905	147.972	-0.66	-4.38	25.643	-6221.76
49079_9080	49079	9080	27.905	-113.768	0.66	4.38	-18.277	7683.289
49080_9080	49080	9080	-27.905	95.566	-0.098	-0.718	18.277	-7683.29
49080_9081	49080	9081	27.905	-61.366	0.098	0.718	-17.179	8559.489
49081_9081	49081	9081	-27.905	61.366	-0.098	-0.718	17.179	-8559.49
49081_9082	49081	9082	27.905	-27.166	0.098	0.718	-16.082	9053.789
49082_9082	49082	9082	-27.906	7.856	-0.284	3.576	16.082	-9053.78
49082_9083	49082	9083	27.906	28.917	0.284	-3.576	-12.674	8927.34
49083_9083	49083	9083	-27.906	-28.917	-0.262	-3.466	12.674	-8927.34
49083_9084	49083	9084	27.906	65.657	0.262	3.466	-9.533	8360.083
49084_9084	49084	9084	-27.906	-85.039	0.007	4.125	9.533	-8360.09
49084_9085	49084	9085	27.906	119.231	-0.007	-4.125	-9.615	7219.848
49085_9085	49085	9085	-27.906	-119.231	0.032	-2.334	9.615	-7219.85
49085_9086	49085	9086	27.906	153.421	-0.032	2.334	-9.977	5697.964
49086_9086	49086	9086	-27.906	-172.087	-0.335	3.149	9.977	-5697.96
49086_9087	49086	9087	27.906	206.307	0.335	-3.149	-6.231	3584.047
49087_9087	49087	9087	-27.906	-206.307	-0.312	0.098	6.231	-3584.05

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49087_9088	49087	9088	27.906	240.495	0.312	-0.098	-2.753	1090.316
49088_9088	49088	9088	-27.906	-258.046	1.013	1.463	2.753	-1090.32
49088_9089	49088	9089	27.906	298.424	-1.013	-1.463	-16.104	-2577.84
49089_9089	49089	9089	-24.479	-298.798	1.032	2.987	16.128	2567.059
49089_9090	49089	9090	24.192	324.025	-1.032	-2.987	-24.655	-5138.9
49090_9090	49090	9090	-16.435	-347.742	-0.288	-2.23	24.526	5138.77
49090_9091	49090	9091	15.248	383.896	0.288	2.23	-21.145	-9435.76
49091_9091	49091	9091	-4.459	-384.283	-0.255	5.978	21.615	9435.328
49091_9092	49091	9092	1.772	428.381	0.255	-5.978	-18.22	-14828.3
49092_9092	49092	9092	12.092	-448.84	-1.274	-22.956	15.828	14827.94
49092_9093	49092	9093	-15.951	492.122	1.274	22.956	0.127	-20730.6
49093_9093	49093	9093	29.529	-491.542	-1.208	26.438	4.994	20730.58
49093_9094	49093	9094	-34.86	537.077	1.208	-26.438	10.149	-27200.3
49094_9094	49094	9094	-2255.98	219.019	-10.425	-5.365	121.36	7764.212
49094_9095	49094	9095	2255.983	-188.591	10.425	5.365	-22.349	-5828.63
49095_9095	49095	9095	-2256	188.591	-6.891	3.567	22.349	5828.224
49095_9096	49095	9096	2255.997	-164.337	6.891	-3.567	31.091	-4459.67
49096_9096	49096	9096	-2256	164.337	-7	3.352	-31.091	4459.67
49096_9097	49096	9097	2255.996	-140.114	7	-3.352	85.306	-3280.62
49097_9097	49097	9097	-2256.03	122.197	1.957	-1.986	-85.306	3280.578
49097_9098	49097	9098	2256.025	-97.161	-1.957	1.986	69.637	-2402.57
49098_9098	49098	9098	-2256.02	97.161	4.675	0.908	-69.637	2402.572
49098_9099	49098	9099	2256.021	-72.157	-4.675	-0.908	32.259	-1725.73
49099_9099	49099	9099	-2256.02	72.157	4.774	0.983	-32.259	1725.73
49099_9100	49099	9100	2256.021	-47.123	-4.774	-0.983	-5.955	-1248.32
49100_9100	49100	9100	-2256.01	32.143	-0.637	-0.513	5.955	1248.312
49100_9101	49100	9101	2256.006	-13.368	0.637	0.513	-2.13	-1111.7
49101_9101	49101	9101	-2256.01	13.368	-0.763	-0.574	2.13	1111.7
49101_9102	49101	9102	2256.006	5.375	0.763	0.574	2.441	-1087.75
49102_9102	49102	9102	-2256.01	-5.375	-0.637	-0.514	-2.441	1087.747
49102_9103	49102	9103	2256.006	24.15	0.637	0.514	6.266	-1176.37
49103_9103	49103	9103	-2256	-24.15	3.119	1.445	-6.266	1176.371
49103_9104	49103	9104	2256.004	42.924	-3.119	-1.445	-12.457	-1377.69
49104_9104	49104	9104	-2256.02	-57.828	-5.589	-1.697	12.457	1377.699
49104_9105	49104	9105	2256.017	82.828	5.589	1.697	32.223	-1939.89
49105_9105	49105	9105	-2256.02	-82.828	-2.684	0.802	-32.223	1939.894
49105_9106	49105	9106	2256.023	107.858	2.684	-0.802	53.703	-2702.98
49106_9106	49106	9106	-2256.02	-107.858	-2.768	0.7	-53.703	2702.983
49106_9107	49106	9107	2256.022	132.858	2.768	-0.7	75.832	-3665.08
49107_9107	49107	9107	-2256	-150.462	6.288	-2.552	-75.832	3665.114
49107_9108	49107	9108	2256	174.709	-6.288	2.552	27.081	-4925.66
49108_9108	49108	9108	-2256	-174.709	6.288	-2.552	-27.081	4925.659
49108_9109	49108	9109	2256	198.956	-6.288	2.552	-21.67	-6374.2
49109_9109	49109	9109	-2255.99	-198.956	8.584	3.748	21.67	6374.657
49109_9110	49109	9110	2255.992	229.404	-8.584	-3.748	-103.251	-8410.13
49110_9110	49110	9110	18.761	526.281	0.916	-18.941	-0.937	27927.04
49110_9111	49110	9111	-13.429	-480.765	-0.916	18.941	-10.527	-21596.1
49111_9111	49111	9111	-0.122	477.278	0.984	15.646	6.87	21596.15
49111_9112	49111	9112	3.981	-433.985	-0.984	-15.646	-19.186	-15878.8
49112_9112	49112	9112	-17.23	414.812	0.459	-4.304	20.844	15879.12
49112_9113	49112	9113	19.917	-370.741	-0.459	4.304	-26.942	-10669.5
49113_9113	49113	9113	-30.836	369.947	0.513	7.134	26.483	10669.01
49113_9114	49113	9114	32.02	-333.849	-0.513	-7.134	-32.517	-6531.65

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49114_9114	49114	9114	-38.992	312.576	-0.748	-3.02	32.726	6531.867
49114_9115	49114	9115	39.278	-287.433	0.748	3.02	-26.551	-4056.22
49115_9115	49115	9115	-42.334	286.901	-0.741	-2.598	26.528	4074.547
49115_9116	49115	9116	42.334	-247.05	0.741	2.598	-16.372	-413.546
49116_9116	49116	9116	-42.335	228.876	-0.501	-0.354	16.372	413.549
49116_9117	49116	9117	42.335	-196.438	0.501	0.354	-10.776	1960.124
49117_9117	49117	9117	-42.335	196.438	-0.425	-3.895	10.776	-1960.12
49117_9118	49117	9118	42.335	-163.972	0.425	3.895	-6.03	3973.3
49118_9118	49118	9118	-42.335	145.476	-0.418	3.71	6.03	-3973.3
49118_9119	49118	9119	42.335	-113.039	0.418	-3.71	-1.36	5416.021
49119_9119	49119	9119	-42.336	113.039	-0.342	-6.068	1.36	-5416.02
49119_9120	49119	9120	42.336	-80.573	0.342	6.068	2.46	6497.466
49120_9120	49120	9120	-42.336	61.656	0.058	5.895	-2.46	-6497.48
49120_9121	49120	9121	42.336	-26.809	-0.058	-5.895	1.76	7027.88
49121_9121	49121	9121	-42.336	26.809	0.129	-5.899	-1.76	-7027.88
49121_9122	49121	9122	42.336	8.068	-0.129	5.899	0.207	7140.334
49122_9122	49122	9122	-42.336	-27.086	-0.237	10.153	-0.207	-7140.33
49122_9123	49122	9123	42.336	59.55	0.237	-10.153	2.855	6656.433
49123_9123	49123	9123	-42.336	-59.55	-0.123	-7.722	-2.855	-6656.44
49123_9124	49123	9124	42.336	92.013	0.123	7.722	4.233	5809.918
49124_9124	49124	9124	-42.336	-113.353	-0.372	6.187	-4.233	-5809.92
49124_9125	49124	9125	42.336	145.787	0.372	-6.187	8.388	4363.85
49125_9125	49125	9125	-42.337	-145.787	-0.296	-1.665	-8.388	-4363.85
49125_9126	49125	9126	42.337	178.25	0.296	1.665	11.695	2554.05
49126_9126	49126	9126	-42.335	-194.621	2.356	3.465	-11.695	-2554.05
49126_9127	49126	9127	42.335	233.535	-2.356	-3.465	-19.854	-312.533
49127_9127	49127	9127	-39.593	-234.073	2.415	3.103	19.878	299.723
49127_9128	49127	9128	39.327	257.5	-2.415	-3.103	-39.782	-2325.12
49128_9128	49128	9128	-33.082	-275.535	-2.96	1.535	39.765	2325.101
49128_9129	49128	9129	31.977	309.228	2.96	-1.535	-4.963	-5762.09
49129_9129	49129	9129	-23.218	-310.138	-2.872	9.447	5.509	5765.656
49129_9130	49129	9130	20.595	353.184	2.872	-9.447	32.635	-10166.8
49130_9130	49130	9130	-7.474	-391.61	4.164	-2.741	-33.592	10166.77
49130_9131	49130	9131	3.703	433.902	-4.164	2.741	-18.742	-15344.7
49131_9131	49131	9131	8.24	-433.885	4.198	8.968	20.088	15344.65
49131_9132	49131	9132	-13.455	478.47	-4.198	-8.968	-73.074	-21087.5
49132_9132	49132	9132	-1852.88	211.549	9.86	2.988	-161.185	6211.4
49132_9133	49132	9133	1852.876	-181.862	-9.86	-2.988	67.519	-4342.7
49133_9133	49133	9133	-1852.89	181.862	7.469	-4.109	-67.519	4352.067
49133_9134	49133	9134	1852.887	-159.356	-7.469	4.109	9.635	-3029.84
49134_9134	49134	9134	-1852.88	159.356	9.86	-0.2	-9.635	3029.846
49134_9135	49134	9135	1852.876	-136.85	-9.86	0.2	-66.777	-1882.05
49135_9135	49135	9135	-1852.89	117.789	0.012	-1.144	66.777	1882.044
49135_9136	49135	9136	1852.885	-94.557	-0.012	1.144	-66.872	-1032.66
49136_9136	49136	9136	-1852.88	94.557	2.328	0.146	66.872	1032.66
49136_9137	49136	9137	1852.884	-71.325	-2.328	-0.146	-85.495	-369.134
49137_9137	49137	9137	-1852.88	71.325	2.328	0.146	85.495	369.134
49137_9138	49137	9138	1852.884	-48.093	-2.328	-0.146	-104.119	108.536
49138_9138	49138	9138	-1852.88	31.466	-4.836	0.258	104.119	-108.535
49138_9139	49138	9139	1852.882	-14.042	4.836	-0.258	-75.1	245.058
49139_9139	49139	9139	-1852.89	14.042	-1.748	-0.151	75.1	-245.059
49139_9140	49139	9140	1852.888	3.382	1.748	0.151	-64.611	277.036
49140_9140	49140	9140	-1852.89	-3.382	-1.748	-0.151	64.611	-277.036

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49140_9141	49140	9141	1852.888	20.807	1.748	0.151	-54.121	204.47
49141_9141	49141	9141	-1852.88	-20.807	-4.836	0.19	54.121	-204.47
49141_9142	49141	9142	1852.882	38.231	4.836	-0.19	-25.103	27.358
49142_9142	49142	9142	-1852.89	-58.226	-1.438	0.351	25.103	-27.358
49142_9143	49142	9143	1852.888	81.458	1.438	-0.351	-13.601	-531.375
49143_9143	49143	9143	-1852.88	-81.458	-3.754	-0.313	13.601	531.375
49143_9144	49143	9144	1852.884	104.69	3.754	0.313	16.43	-1275.97
49144_9144	49144	9144	-1852.89	-104.69	-1.438	1.282	-16.43	1275.966
49144_9145	49144	9145	1852.888	127.922	1.438	-1.282	27.932	-2206.41
49145_9145	49145	9145	-1852.89	-144.285	-0.819	1.984	-27.932	2206.413
49145_9146	49145	9146	1852.887	166.791	0.819	-1.984	34.277	-3411.84
49146_9146	49146	9146	-1852.88	-166.791	-3.21	-2.419	-34.277	3411.834
49146_9147	49146	9147	1852.884	189.298	3.21	2.419	59.151	-4791.68
49147_9147	49147	9147	-1852.89	-189.298	-0.819	3.131	-59.151	4782.921
49147_9148	49147	9148	1852.887	218.984	0.819	-3.131	66.929	-6722.26
49148_9148	49148	9148	-8.429	436.791	2.339	-1.214	-38.542	21619.23
49148_9149	49148	9149	13.644	-392.241	-2.339	1.214	9.148	-16405.5
49149_9149	49149	9149	-24.449	391.696	2.339	-0.947	-9.175	16405.45
49149_9150	49149	9150	28.22	-349.404	-2.339	0.947	-20.151	-11757.4
49150_9150	49150	9150	-38.826	334.634	-1.371	-1.427	20.137	11757.43
49150_9151	49150	9151	41.449	-291.589	1.371	1.427	-1.938	-7602.72
49151_9151	49151	9151	-50.242	290.336	-1.422	-5.33	2.004	7615.585
49151_9152	49151	9152	51.361	-256.245	1.422	5.33	14.704	-4403.36
49152_9152	49152	9152	-56.629	236.682	0.685	-1.597	-14.801	4403.366
49152_9153	49152	9153	56.899	-212.947	-0.685	1.597	9.15	-2548.6
49153_9153	49153	9153	-59.104	212.24	0.642	-3.398	-9.169	2550.272
49153_9154	49153	9154	59.104	-173.684	-0.642	3.398	0.344	102.952
49154_9154	49154	9154	-59.104	155.848	-0.38	-1.03	-0.344	-102.953
49154_9155	49154	9155	59.104	-125.003	0.38	1.03	4.529	1647.639
49155_9155	49155	9155	-59.104	125.003	-0.327	-2.528	-4.529	-1647.64
49155_9156	49155	9156	59.104	-94.159	0.327	2.528	8.124	2853.029
49156_9156	49156	9156	-59.104	76.351	-0.012	1.019	-8.124	-2853.03
49156_9157	49156	9157	59.104	-48.31	0.012	-1.019	8.242	3476.333
49157_9157	49157	9157	-59.104	48.31	0.047	-2.458	-8.242	-3476.33
49157_9158	49157	9158	59.104	-20.269	-0.047	2.458	7.77	3819.227
49158_9158	49158	9158	-59.104	3.082	0.129	2.251	-7.77	-3819.23
49158_9159	49158	9159	59.104	24.959	-0.129	-2.251	6.484	3709.841
49159_9159	49159	9159	-59.104	-24.959	0.188	-1.459	-6.484	-3709.84
49159_9160	49159	9160	59.104	53	-0.188	1.459	4.606	3320.047
49160_9160	49160	9160	-59.104	-70.423	0.223	1.467	-4.606	-3320.05
49160_9161	49160	9161	59.104	101.239	-0.223	-1.467	2.151	2376.763
49161_9161	49161	9161	-59.104	-104.879	0.224	1.465	-2.151	-2376.76
49161_9162	49161	9162	59.104	135.724	-0.224	-1.465	-0.308	1053.441
49162_9162	49162	9162	-59.104	-151.718	1.207	3.03	0.308	-1053.44
49162_9163	49162	9163	59.104	190.274	-1.207	-3.03	-16.902	-1297.75
49163_9163	49163	9163	-56.841	-190.98	1.135	1.415	16.913	1296.577
49163_9164	49163	9164	56.572	214.715	-1.135	-1.415	-26.278	-2970.13
49164_9164	49164	9164	-51.261	-232.188	0.788	6.177	26.433	2970.128
49164_9165	49164	9165	50.143	266.279	-0.788	-6.177	-35.692	-5899.83
49165_9165	49165	9165	-42.561	-267.68	0.743	-1.567	35.461	5904.948
49165_9166	49165	9166	39.954	310.475	-0.743	1.567	-45.31	-9740.87
49166_9166	49166	9166	-29.755	-327.117	-2.182	-3.196	45.163	9740.866
49166_9167	49166	9167	26.005	369.172	2.182	3.196	-17.818	-14108.2

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49167_9167	49167	9167	-15.778	-369.778	-2.135	7.542	19.037	14108.18
49167_9168	49167	9168	10.59	414.09	2.135	-7.542	7.773	-19038.4
49168_9168	49168	9168	-1697.45	220.885	2.068	-1.786	-61.316	6246.37
49168_9169	49168	9169	1697.447	-191.379	-2.068	1.786	41.666	-4288.12
49169_9169	49169	9169	-1697.44	191.379	3.855	1.7	-41.666	4306.682
49169_9170	49169	9170	1697.444	-168.789	-3.855	-1.7	11.788	-2911.03
49170_9170	49170	9170	-1697.45	168.789	1.665	-2.056	-11.788	2911.032
49170_9171	49170	9171	1697.447	-146.199	-1.665	2.056	-1.115	-1690.45
49171_9171	49171	9171	-1697.44	128.744	1.435	0.316	1.115	1690.452
49171_9172	49171	9172	1697.444	-105.426	-1.435	-0.316	-12.599	-753.773
49172_9172	49172	9172	-1697.44	105.426	-0.686	-0.626	12.599	753.773
49172_9173	49172	9173	1697.444	-82.107	0.686	0.626	-7.108	-3.64
49173_9173	49173	9173	-1697.44	82.107	1.435	-0.622	7.108	3.64
49173_9174	49173	9174	1697.444	-58.789	-1.435	0.622	-18.592	559.945
49174_9174	49174	9174	-1697.44	41.992	0.93	-0.292	18.592	-559.945
49174_9175	49174	9175	1697.444	-24.503	-0.93	0.292	-24.173	759.431
49175_9175	49175	9175	-1697.44	24.503	-1.899	0.974	24.173	-759.43
49175_9176	49175	9176	1697.443	-7.014	1.899	-0.974	-12.779	853.984
49176_9176	49176	9176	-1697.44	7.014	0.93	-0.449	12.779	-853.984
49176_9177	49176	9177	1697.444	10.474	-0.93	0.449	-18.36	843.605
49177_9177	49177	9177	-1697.44	-10.474	0.93	-0.449	18.36	-843.605
49177_9178	49177	9178	1697.444	27.963	-0.93	0.449	-23.941	728.293
49178_9178	49178	9178	-1697.44	-44.736	-1.676	0.637	23.941	-728.293
49178_9179	49178	9179	1697.443	68.054	1.676	-0.637	-10.536	277.134
49179_9179	49179	9179	-1697.44	-68.054	0.446	0.291	10.536	-277.135
49179_9180	49179	9180	1697.444	91.372	-0.446	-0.291	-14.105	-360.569
49180_9180	49180	9180	-1697.44	-91.372	-1.676	-0.16	14.105	360.569
49180_9181	49180	9181	1697.443	114.691	1.676	0.16	-0.699	-1184.82
49181_9181	49181	9181	-1697.44	-131.755	-1.23	2.44	0.699	1184.82
49181_9182	49181	9182	1697.444	154.344	1.23	-2.44	8.835	-2293.45
49182_9182	49182	9182	-1697.44	-157.984	-1.23	2.44	-8.835	2293.452
49182_9183	49182	9183	1697.444	180.574	1.23	-2.44	18.37	-3605.36
49183_9183	49183	9183	-1697.44	-180.574	-3.017	-2.235	-18.37	3588.849
49183_9184	49183	9184	1697.442	210.08	3.017	2.235	47.031	-5444.46
49184_9184	49184	9184	-9.157	420.672	1.638	-6.834	-8.012	18126.92
49184_9185	49184	9185	14.345	-376.36	-1.638	6.834	-12.545	-13114.4
49185_9185	49185	9185	-24.718	375.78	1.684	3.299	11.394	13114.39
49185_9186	49185	9186	28.468	-333.725	-1.684	-3.299	-32.493	-8664.54
49186_9186	49186	9186	-38.706	317.942	-0.39	-0.93	32.841	8664.536
49186_9187	49186	9187	41.313	-275.148	0.39	0.93	-27.673	-4729.7
49187_9187	49187	9187	-49.745	273.722	-0.396	-4.243	27.699	4711.411
49187_9188	49187	9188	50.884	-239.013	0.396	4.243	-23.044	-1698.16
49188_9188	49188	9188	-55.77	218.319	-1.267	-3.229	22.98	1698.163
49188_9189	49188	9189	56.045	-194.15	1.267	3.229	-12.523	3.305
49189_9189	49189	9189	-58.023	193.458	-1.31	-3.098	12.489	-11.671
49189_9190	49189	9190	58.023	-152.777	1.31	3.098	5.519	2392.041
49190_9190	49190	9190	-58.024	134.346	-0.152	-3.744	-5.519	-2392.04
49190_9191	49190	9191	58.024	-101.801	0.152	3.744	7.192	3690.844
49191_9191	49191	9191	-58.024	101.801	-0.205	-0.389	-7.192	-3690.85
49191_9192	49191	9192	58.024	-69.256	0.205	0.389	9.446	4631.657
49192_9192	49192	9192	-58.024	50.545	-0.194	1.716	-9.446	-4631.66
49192_9193	49192	9193	58.024	-21.106	0.194	-1.716	11.381	4988.119
49193_9193	49193	9193	-58.024	21.106	-0.136	-3.297	-11.381	-4988.12

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49193_9194	49193	9194	58.024	8.332	0.136	3.297	12.736	5051.67
49194_9194	49194	9194	-58.024	-26.727	-0.252	3.051	-12.736	-5051.67
49194_9195	49194	9195	58.024	56.165	0.252	-3.051	15.247	4639.28
49195_9195	49195	9195	-58.024	-56.165	-0.194	-1.612	-15.247	-4639.28
49195_9196	49195	9196	58.024	85.574	0.194	1.612	17.175	3934.838
49196_9196	49196	9196	-58.028	-104.588	0.231	3.245	-17.175	-3934.83
49196_9197	49196	9197	58.028	137.133	-0.231	-3.245	14.637	2605.364
49197_9197	49197	9197	-58.027	-137.133	0.283	0.877	-14.637	-2605.37
49197_9198	49197	9198	58.027	169.678	-0.283	-0.877	11.519	917.908
49198_9198	49198	9198	-58.039	-191.568	1.72	2.894	-11.519	-917.897
49198_9199	49198	9199	58.039	232.278	-1.72	-2.894	-12.152	-1998.17
49199_9199	49199	9199	-55.236	-232.98	1.762	4.655	12.19	2015.581
49199_9200	49199	9200	54.946	257.99	-1.762	-4.655	-26.731	-4040.92
49200_9200	49200	9200	-48.483	-278.115	-1.736	6.095	26.831	4040.959
49200_9201	49200	9201	47.283	314.022	1.736	-6.095	-6.428	-7521.34
49201_9201	49201	9201	-38.264	-315.343	-1.73	1.49	6.374	7525.718
49201_9202	49201	9202	35.415	361.464	1.73	-1.49	16.609	-12016.7
49202_9202	49202	9202	-23.355	-381.842	0.34	8.414	-16.024	12016.66
49202_9203	49202	9203	19.278	427.036	-0.34	-8.414	11.711	-17091
49203_9203	49203	9203	-7.42	-427.441	0.294	-4.853	-13.095	17090.96
49203_9204	49203	9204	1.812	474.891	-0.294	4.853	9.333	-22767.5
49204_9204	49204	9204	-2030.36	239.194	-8.189	-3.935	121.786	7489.404
49204_9205	49204	9205	2030.357	-207.303	8.189	3.935	-43.994	-5368.54
49205_9205	49205	9205	-2030.36	207.303	-6.051	1.743	43.994	5132.579
49205_9206	49205	9206	2030.364	-182.767	6.051	-1.743	2.904	-3621.06
49206_9206	49206	9206	-2030.36	182.767	-6.051	1.743	-2.904	3621.059
49206_9207	49206	9207	2030.364	-158.232	6.051	-1.743	49.803	-2299.69
49207_9207	49207	9207	-2030.4	138.508	-2.23	-0.969	-49.803	2299.689
49207_9208	49207	9208	2030.396	-113.181	2.23	0.969	67.642	-1292.93
49208_9208	49208	9208	-2030.4	113.181	0.308	0.647	-67.642	1292.934
49208_9209	49208	9209	2030.397	-87.854	-0.308	-0.647	65.176	-488.794
49209_9209	49209	9209	-2030.4	87.854	2.846	1.258	-65.176	488.793
49209_9210	49209	9210	2030.395	-62.527	-2.846	-1.258	42.407	112.733
49210_9210	49210	9210	-2030.36	44.859	-4.525	1.655	-42.407	-112.734
49210_9211	49210	9211	2030.363	-25.864	4.525	-1.655	69.556	324.906
49211_9211	49211	9211	-2030.37	25.864	-1.141	1.114	-69.556	-324.908
49211_9212	49211	9212	2030.368	-6.869	1.141	-1.114	76.401	423.108
49212_9212	49212	9212	-2030.37	6.869	2.243	0.409	-76.401	-423.11
49212_9213	49212	9213	2030.367	12.127	-2.243	-0.409	62.943	407.336
49213_9213	49213	9213	-2030.36	-12.127	5.627	-0.27	-62.943	-407.336
49213_9214	49213	9214	2030.36	31.122	-5.627	0.27	29.182	277.584
49214_9214	49214	9214	-2030.43	-48.489	-6.761	-0.069	-29.182	-277.587
49214_9215	49214	9215	2030.425	73.785	6.761	0.069	83.204	-210.92
49215_9215	49215	9215	-2030.44	-73.785	-1.711	0.456	-83.204	210.92
49215_9216	49215	9216	2030.436	99.114	1.711	-0.456	96.892	-902.569
49216_9216	49216	9216	-2030.43	-99.114	3.364	2.712	-96.892	902.565
49216_9217	49216	9217	2030.434	124.443	-3.364	-2.712	69.975	-1796.89
49217_9217	49217	9217	-2030.4	-144.361	9.061	-7.383	-69.975	1797.03
49217_9218	49217	9218	2030.402	168.9	-9.061	7.383	-0.259	-3011.09
49218_9218	49218	9218	-2030.35	-168.9	16.918	4.269	0.259	3011.092
49218_9219	49218	9219	2030.351	193.44	-16.918	-4.269	-131.401	-4415.46
49219_9219	49219	9219	-2030.34	-197.08	17.745	7.959	131.401	4653.959
49219_9220	49219	9220	2030.344	228.979	-17.745	-7.959	-300.015	-6678.19

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49220_9220	49220	9220	14.098	467.013	-1.027	-25.948	11.914	21899.2
49220_9221	49220	9221	-8.49	-419.585	1.027	25.948	1.062	-16324.8
49221_9221	49221	9221	-3.159	419.623	-0.898	25.763	-6.584	16324.82
49221_9222	49221	9222	7.236	-374.411	0.898	-25.763	17.889	-11342
49222_9222	49222	9222	-19.129	350.69	3.688	-3.232	-15.239	11343.47
49222_9223	49222	9223	21.978	-304.58	-3.688	3.232	-33.724	-6996.75
49223_9223	49223	9223	-31.449	303.832	3.888	23.081	32.96	7009.943
49223_9224	49223	9224	32.67	-267.322	-3.888	-23.081	-78.657	-3653.86
49224_9224	49224	9224	-38.461	242.344	-2.144	-5.605	79.19	3654.949
49224_9225	49224	9225	38.755	-216.887	2.144	5.605	-61.491	-1759.14
49225_9225	49225	9225	-41.037	216.356	-2.006	-0.335	61.48	1750.476
49225_9226	49225	9226	41.037	-170.294	2.006	0.335	-32.432	1049.423
49226_9226	49226	9226	-41.002	150.076	0.262	3.063	32.432	-1049.56
49226_9227	49226	9227	41.002	-113.908	-0.262	-3.063	-35.406	2550.554
49227_9227	49227	9227	-41.001	113.908	0.37	-3.657	35.406	-2550.55
49227_9228	49227	9228	41.001	-77.735	-0.37	3.657	-39.609	3640.361
49228_9228	49228	9228	-41.009	59.388	-0.685	5.929	39.609	-3640.52
49228_9229	49228	9229	41.009	-23.24	0.685	-5.929	-31.824	4110.09
49229_9229	49229	9229	-41.011	23.24	-0.577	-4.903	31.824	-4110.09
49229_9230	49229	9230	41.011	12.914	0.577	4.903	-25.266	4168.778
49230_9230	49230	9230	-41.056	-31.915	8.168	7.626	25.266	-4168.6
49230_9231	49230	9231	41.056	70.211	-8.168	-7.626	-123.617	3553.75
49231_9231	49231	9231	-41.037	-70.211	8.263	-0.574	123.617	-3553.76
49231_9232	49231	9232	41.037	98.761	-8.263	0.574	-197.791	2795.337
49232_9232	49232	9232	-40.402	-99.02	8.417	-11.789	197.702	-2795.78
49232_9233	49232	9233	40.347	108.978	-8.417	11.789	-223.596	2475.824
49233_9233	49233	9233	-38.21	-131.431	-16.741	0.637	223.745	-2475.76
49233_9234	49233	9234	37.614	162.373	16.741	-0.637	-64.181	1075.614
49234_9234	49234	9234	-34.522	-163.14	-16.633	-3.193	64.023	-1075.62
49234_9235	49234	9235	33.61	187.298	16.633	3.193	58.902	-219.572
49235_9235	49235	9235	-30.752	-187.807	-16.511	-6.672	-59.208	211.153
49235_9236	49235	9236	29.486	211.607	16.511	6.672	162.101	-1456.12
49236_9236	49236	9236	-24.781	-232.091	24.59	-4.868	-162.178	1456.112
49236_9237	49236	9237	22.066	270.437	-24.59	4.868	-80.354	-3935.34
49237_9237	49237	9237	-15.974	-270.772	24.75	6.068	81.441	3925.497
49237_9238	49237	9238	12.503	308.511	-24.75	-6.068	-313.247	-6640.58
49238_9238	49238	9238	-2.416	-331.498	-16.464	-6.154	312.532	6639.876
49238_9239	49238	9239	-1.769	368.788	16.464	6.154	-164.671	-9788.15
49239_9239	49239	9239	6.878	-368.743	-16.383	11.321	167.093	9788.108
49239_9240	49239	9240	-8.991	385.478	16.383	-11.321	-102.589	-11275.3
49240_9240	49240	9240	-1545.68	288.907	7.607	0.97	600.548	3693.943
49240_9241	49240	9241	1545.68	-265.034	-7.607	-0.97	-648.708	-1940.34
49241_9241	49241	9241	-1543.94	222.918	-28.974	-1.736	648.708	1940.194
49241_9242	49241	9242	1543.935	-211	28.974	1.736	-557.13	-1254.45
49242_9242	49242	9242	-1543.99	211	-25.992	0.415	557.13	1259.12
49242_9243	49242	9243	1543.988	-165.047	25.992	-0.415	-236.025	1063.69
49243_9243	49243	9243	-1544.05	165.047	-21.905	-2.401	236.025	-1063.69
49243_9244	49243	9244	1544.052	-131.629	21.905	2.401	-39.232	2396.343
49244_9244	49244	9244	-1543.67	110.888	-28.314	6.891	39.232	-2395.67
49244_9245	49244	9245	1543.674	-72.008	28.314	-6.891	256.716	3351.518
49245_9245	49245	9245	-1543.75	72.008	-24.025	-2.422	-256.716	-3351.52
49245_9246	49245	9246	1543.747	-37.9	24.025	2.422	477.01	3855.427
49246_9246	49246	9246	-1544.15	22.355	-9.296	7.518	-477.01	-3854.67

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49246_9247	49246	9247	1544.15	16.883	9.296	-7.518	575.068	3883.529
49247_9247	49247	9247	-1544.17	-16.883	-4.146	-5.434	-575.068	-3883.53
49247_9248	49247	9248	1544.173	50.675	4.146	5.434	612.733	3576.661
49248_9248	49248	9248	-1544.23	-67.409	1.004	4.263	-612.733	-3576.18
49248_9249	49248	9249	1544.229	102.704	-1.004	-4.263	603.211	2769.1
49249_9249	49249	9249	-1544.22	-102.704	4.78	-2.51	-603.211	-2769.1
49249_9250	49249	9250	1544.222	140.402	-4.78	2.51	554.764	1537.218
49250_9250	49250	9250	-1544.33	-156.733	17.405	-0.427	-554.764	-1537.04
49250_9251	49250	9251	1544.333	193.473	-17.405	0.427	382.854	-192.458
49251_9251	49251	9251	-1544.29	-193.473	21.19	0.045	-382.854	192.458
49251_9252	49251	9252	1544.286	229.736	-21.19	-0.045	176.276	-2255.37
49252_9252	49252	9252	-1543.97	-257.197	5.495	-53.473	-176.276	2254.423
49252_9253	49252	9253	1543.972	268.949	-5.495	53.473	158.914	-3085.59
49253_9253	49253	9253	-1543.96	-268.949	8.366	-47.684	-158.914	3084.141
49253_9254	49253	9254	1543.959	304.772	-8.366	47.684	79.438	-5809.44
49254_9254	49254	9254	2.88	362.4	-22.093	58.006	99.395	13769.96
49254_9255	49254	9255	2.989	-312.493	22.093	-58.006	164.161	-9749.11
49255_9255	49255	9255	-14.884	271.06	19.022	-10.749	-155.621	9748.042
49255_9256	49255	9256	18.881	-228.004	-19.022	10.749	-47.612	-7083.83
49256_9256	49256	9256	-24.253	227.464	19.163	13.2	45.46	7083.833
49256_9257	49256	9257	27.224	-184.347	-19.163	-13.2	-256.458	-4817.94
49257_9257	49257	9257	-31.561	159.65	-8.882	-4.142	257.464	4817.881
49257_9258	49257	9258	32.519	-141.153	8.882	4.142	-214.79	-4095.38
49258_9258	49258	9258	-34.934	140.575	-8.816	-1.273	214.406	4098.319
49258_9259	49258	9259	36.095	-107.193	8.816	1.273	-125.298	-2846.42
49259_9259	49259	9259	-38.165	106.475	-8.71	4.003	125.093	2846.425
49259_9260	49259	9260	38.526	-84.405	8.71	-4.003	-66.496	-2204.4
49260_9260	49260	9260	-39.517	62.097	-2.231	-11.785	66.591	2349.139
49260_9261	49260	9261	39.577	-51.49	2.231	11.785	-59.525	-2169.29
49261_9261	49261	9261	-39.985	51.124	-2.104	-5.234	59.518	2192.493
49261_9262	49261	9262	39.985	-13.256	2.104	5.234	-35.398	-1823.55
49262_9262	49262	9262	-39.992	13.256	-1.978	0.517	35.398	1823.561
49262_9263	49262	9263	39.992	19.358	1.978	-0.517	-15.869	-1853.68
49263_9263	49263	9263	-39.979	-44.78	-0.207	-5.516	15.869	1853.828
49263_9264	49263	9264	39.979	83.585	0.207	5.516	-13.439	-2607.65
49264_9264	49264	9264	-39.979	-83.585	-0.135	-0.806	13.439	2607.658
49264_9265	49264	9265	39.979	120.965	0.135	0.806	-11.914	-3764.77
49265_9265	49265	9265	-39.978	-143.358	0.123	-7.528	11.914	3765.197
49265_9266	49265	9266	39.978	182.234	-0.123	7.528	-13.364	-5680.72
49266_9266	49266	9266	-39.978	-182.234	0.191	2.15	13.364	5680.72
49266_9267	49266	9267	39.978	219.549	-0.191	-2.15	-15.524	-7949.62
49267_9267	49267	9267	-39.948	-243.647	1.461	-14.971	15.524	7950.932
49267_9268	49267	9268	39.948	265.745	-1.461	14.971	-25.295	-9654.4
49268_9268	49268	9268	-39.948	-265.745	1.483	-9.544	25.295	9654.404
49268_9269	49268	9269	39.948	287.978	-1.483	9.544	-35.276	-11517.5
49269_9269	49269	9269	-36.669	-288.733	1.547	7.538	35.333	11482.59
49269_9270	49269	9270	36.239	322.916	-1.547	-7.538	-50.238	-14429.6
49270_9270	49270	9270	-29.095	-347.945	-2.901	-30.35	49.385	14432.61
49270_9271	49270	9271	27.814	385.056	2.901	30.35	-19.282	-18235.5
49271_9271	49271	9271	-20.368	-385.748	-2.83	1.422	20.168	18205.43
49271_9272	49271	9272	18.569	418.68	2.83	-1.422	2.922	-21485.8
49272_9272	49272	9272	-12.865	-419.107	-2.736	51.86	0.023	21485.78
49272_9273	49272	9273	11.407	440.241	2.736	-51.86	14.098	-23702.8

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49273_9273	49273	9273	-0.961	-468.933	2.231	-60.717	-21.838	23706.66
49273_9274	49273	9274	-3.434	519.03	-2.231	60.717	-4.866	-29600.1
49274_9274	49274	9274	17.64	-522.583	2.38	49.033	14.658	29600.14
49274_9275	49274	9275	-24.275	580.151	-2.38	-49.033	-46.061	-36840.1
49275_9275	49275	9275	-2713.47	351.522	-55.722	-12.901	1132.076	12462.99
49275_9276	49275	9276	2713.473	-332.309	55.722	12.901	-859.996	-10793.5
49276_9276	49276	9276	-2713.54	332.309	-52.595	-0.46	859.996	10793.5
49276_9277	49276	9277	2713.536	-314.131	52.595	0.46	-617.02	-9300.29
49277_9277	49277	9277	-2713.62	314.131	-48.163	11.629	617.02	9361.372
49277_9278	49277	9278	2713.618	-280.115	48.163	-11.629	-173.353	-6624.34
49278_9278	49278	9278	-2713.12	266.062	-25.417	-11.632	173.353	8044.682
49278_9279	49278	9279	2713.115	-224.421	25.417	11.632	114.071	-5271.43
49279_9279	49279	9279	-2713.2	224.421	-13.798	10.942	-114.071	5271.427
49279_9280	49279	9280	2713.199	-181.512	13.798	-10.942	274.857	-2906.34
49280_9280	49280	9280	-2713.75	155.342	-25.173	-2.923	-274.857	2906.904
49280_9281	49280	9281	2713.747	-112.225	25.173	2.923	569.61	-1340.42
49281_9281	49281	9281	-2713.83	112.225	-14.248	2.473	-569.61	1340.422
49281_9282	49281	9282	2713.826	-68.25	14.248	-2.473	739.762	-262.806
49282_9282	49282	9282	-2713.9	49.626	-8.487	1.646	-739.762	293.32
49282_9283	49282	9283	2713.898	-7.529	8.487	-1.646	845.057	61.228
49283_9283	49283	9283	-2713.91	7.529	4.499	1.353	-845.057	-61.235
49283_9284	49283	9284	2713.907	30.593	-4.499	-1.353	794.507	-68.332
49284_9284	49284	9284	-2712.66	-68.628	55.716	-1.135	-794.507	68.398
49284_9285	49284	9285	2712.662	102.991	-55.716	1.135	230.247	-937.424
49285_9285	49285	9285	-2712.49	-102.991	63.741	1.639	-230.247	937.424
49285_9286	49285	9286	2712.485	134.812	-63.741	-1.639	-367.54	-2052.52
49286_9286	49286	9286	-2712.41	-169.094	-11.314	-34.176	367.54	2052.614
49286_9287	49286	9287	2712.414	182.749	11.314	34.176	-322.007	-2760.6
49287_9287	49287	9287	-2712.41	-182.749	-12.861	-34.817	322.007	2535.999
49287_9288	49287	9288	2712.407	217.277	12.861	34.817	-199.851	-4435.76
49288_9288	49288	9288	35.422	820.051	-24.069	56.812	-43.156	23958.22
49288_9289	49288	9289	-30.628	-776.208	24.069	-56.812	301.235	-15402.2
49289_9289	49289	9289	1.487	674.029	19.684	-13.25	-293.163	15405.96
49289_9290	49289	9290	2.281	-627.173	-19.684	13.25	58.886	-7664.25
49290_9290	49290	9290	-21.102	626.824	19.816	8.001	-60.259	7664.243
49290_9291	49290	9291	23.321	-582.444	-19.816	-8.001	-169.579	-652.406
49291_9291	49291	9291	-36.767	539.938	-13.478	11.787	169.527	652.243
49291_9292	49291	9292	37.245	-524.279	13.478	-11.787	-113.612	1555.202
49292_9292	49292	9292	-46.195	523.573	-13.339	4.797	113.845	-1551.26
49292_9293	49292	9293	46.554	-496.792	13.339	-4.797	-6.977	5638.748
49293_9293	49293	9293	-53.047	496.149	-13.23	-6.787	7.041	-5638.75
49293_9294	49293	9294	53.054	-469.514	13.23	6.787	98.591	9493.741
49294_9294	49294	9294	-52.84	431.101	-0.448	42.744	-98.593	-9495.16
49294_9295	49294	9295	52.84	-417.732	0.448	-42.744	100.387	11196.14
49295_9295	49295	9295	-52.841	417.732	-0.27	5.324	-100.387	-11195
49295_9296	49295	9296	52.841	-379.145	0.27	-5.324	103.139	15253.56
49296_9296	49296	9296	-52.841	379.145	-0.147	-30.255	-103.139	-15253.5
49296_9297	49296	9297	52.841	-347.847	0.147	30.255	104.352	18256.77
49297_9297	49297	9297	-52.736	313.429	4.361	40.122	-104.352	-18272.5
49297_9298	49297	9298	52.736	-270.088	-4.361	-40.122	54.229	21625.55
49298_9298	49298	9298	-52.721	270.088	4.541	-33.44	-54.229	-21625.6
49298_9299	49298	9299	52.721	-229.813	-4.541	33.44	5.737	24294.92
49299_9299	49299	9299	-52.795	196.194	0.982	51.454	-5.737	-24298.5

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49299_9300	49299	9300	52.795	-155.463	-0.982	-51.454	-4.866	26197.5
49300_9300	49300	9300	-52.791	155.463	1.152	-33.174	4.866	-26197.5
49300_9301	49300	9301	52.791	-107.168	-1.152	33.174	-19.621	27879.17
49301_9301	49301	9301	-52.818	71.472	-0.105	60.469	19.621	-27882.8
49301_9302	49301	9302	52.818	-26.754	0.105	-60.469	-18.373	28465.16
49302_9302	49302	9302	-52.818	26.754	0.101	-50.558	18.373	-28465.2
49302_9303	49302	9303	52.818	17.58	-0.101	50.558	-19.556	28519.11
49303_9303	49303	9303	-52.803	-52.331	0.919	47.148	19.556	-28523.3
49303_9304	49303	9304	52.803	99.702	-0.919	-47.148	-31.102	27568.41
49304_9304	49304	9304	-52.8	-99.702	1.096	-45.269	31.102	-27568.4
49304_9305	49304	9305	52.8	141.348	-1.096	45.269	-43.207	26237.44
49305_9305	49305	9305	-52.808	-175.672	0.711	54.688	43.207	-26240.8
49305_9306	49305	9306	52.808	217.347	-0.711	-54.688	-51.066	24069.3
49306_9306	49306	9306	-52.805	-217.347	0.926	-43.298	51.066	-24069.3
49306_9307	49306	9307	52.805	264.686	-0.926	43.298	-62.692	21043.92
49307_9307	49307	9307	-52.816	-296.264	0.417	23.253	62.692	-21046.7
49307_9308	49307	9308	52.816	341.109	-0.417	-23.253	-67.655	17257.12
49308_9308	49308	9308	-52.815	-344.749	0.554	-21.317	67.655	-17257.1
49308_9309	49308	9309	52.815	388.882	-0.554	21.317	-74.136	12964.43
49309_9309	49309	9309	-53.051	-420.675	-11.097	11.414	74.136	-12966
49309_9310	49309	9310	53.051	465.718	11.097	-11.414	58.405	7672.468
49310_9310	49310	9310	-53.088	-465.718	-10.92	-14.202	-58.405	-7672.46
49310_9311	49310	9311	53.088	509.667	10.92	14.202	185.662	1988.995
49311_9311	49311	9311	-51.782	-537.619	55.969	-15.993	-185.662	-1989.05
49311_9312	49311	9312	51.782	550.129	-55.969	15.993	0	184.879

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1	2	3	4	5	6	7	8	9
47000_7000	47000	7000	0.183	437.807	1.388	3.683	0	-0.143
47000_7001	47000	7001	-0.183	-407.17	-1.388	-3.683	-14.578	4438.975
47001_7001	47001	7001	0.183	407.17	1.388	3.705	14.578	-4438.98
47001_7002	47001	7002	-0.183	-379.77	-1.388	-3.705	-27.616	8136.103
47002_7002	47002	7002	0.172	328.25	-1.157	8.667	27.616	-8136.12
47002_7003	47002	7003	-0.172	-292.944	1.157	-8.667	-13.606	11896.69
47003_7003	47003	7003	0.171	292.944	-1.157	-2.371	13.606	-11896.7
47003_7004	47003	7004	-0.171	-257.613	1.157	2.371	0.417	15231.99
47004_7004	47004	7004	0.175	213.295	-0.308	17.601	-0.417	-15232.1
47004_7005	47004	7005	-0.175	-177.996	0.308	-17.601	4.148	17600.37
47005_7005	47005	7005	0.175	177.996	-0.309	-13.118	-4.148	-17600.4
47005_7006	47005	7006	-0.175	-142.676	0.309	13.118	7.886	19542.4
47006_7006	47006	7006	0.179	102.332	0.944	18.889	-7.886	-19542.5
47006_7007	47006	7007	-0.179	-67.016	-0.944	-18.889	-3.547	20567.99
47007_7007	47007	7007	0.18	67.016	0.944	-16.96	3.547	-20568
47007_7008	47007	7008	-0.18	-31.678	-0.944	16.96	-14.983	21165.99
47008_7008	47008	7008	0.177	-7.79	-0.319	17.931	14.983	-21166.1
47008_7009	47008	7009	-0.177	43.095	0.319	-17.931	-11.124	20858.08
47009_7009	47009	7009	0.177	-43.095	-0.319	-18.404	11.124	-20858.1
47009_7010	47009	7010	-0.177	78.421	0.319	18.404	-7.258	20122.03
47010_7010	47010	7010	0.18	-117.107	0.626	13.82	7.258	-20122.3
47010_7011	47010	7011	-0.18	152.43	-0.626	-13.82	-14.842	18489.78
47011_7011	47011	7011	0.181	-152.43	0.626	-16.48	14.842	-18489.8
47011_7012	47011	7012	-0.181	187.746	-0.626	16.48	-22.421	16429.88
47012_7012	47012	7012	0.182	-227.266	0.677	9.569	22.421	-16430
47012_7013	47012	7013	-0.182	262.578	-0.677	-9.569	-30.616	13464.11
47013_7013	47013	7013	0.183	-262.578	0.676	-13.839	30.616	-13464.1
47013_7014	47013	7014	-0.183	297.912	-0.676	13.839	-38.811	10068.36
47014_7014	47014	7014	0.18	-343.39	-0.039	1.177	38.811	-10068.5
47014_7015	47014	7015	-0.18	389.586	0.039	-1.177	-38.191	4262.584
47015_7015	47015	7015	4.603	-389.559	-0.039	-4.377	38.143	-4262.47
47015_7016	47015	7016	-4.859	412.055	0.039	4.377	-37.818	952.795
47016_7016	47016	7016	15.702	-452.103	0.075	-4.021	43.359	-1723.17
47016_7017	47016	7017	-16.755	484.202	-0.075	4.021	-44.243	-3780.09
47017_7017	47017	7017	30.342	-483.541	0.074	1.788	44.543	3780.084
47017_7018	47017	7018	-32.709	522.386	-0.074	-1.788	-45.519	-10453.6
47018_7018	47018	7018	51.518	-568.042	-0.413	-21.109	43.624	10453.47
47018_7019	47018	7019	-54.95	606.536	0.413	21.109	-38.444	-17822.7
47019_7019	47019	7019	71.694	-604.786	-0.415	20.047	42.789	17822.68
47019_7020	47019	7020	-76.488	645.733	0.415	-20.047	-37.57	-25688
47020_7020	47020	7020	-2399.08	214.564	-22.559	-3.127	511.869	5670.77
47020_7021	47020	7021	2399.082	-187.993	22.559	3.127	-297.57	-3758.76
47021_7021	47021	7021	-2399.1	187.993	-21.138	-0.901	297.57	3758.759
47021_7022	47021	7022	2399.095	-168.427	21.138	0.901	-133.795	-2378.01
47022_7022	47022	7022	-2399.12	168.427	-18.06	2.15	133.795	2378.007
47022_7023	47022	7023	2399.121	-148.864	18.06	-2.15	6.115	-1149.01
47023_7023	47023	7023	-2399.16	100.911	-6.548	-0.712	-6.115	1148.925
47023_7024	47023	7024	2399.161	-80.69	6.548	0.712	58.55	-421.852
47024_7024	47024	7024	-2399.17	80.69	-3.892	-0.244	-58.55	421.852
47024_7025	47024	7025	2399.167	-60.496	3.892	0.244	89.67	142.635
47025_7025	47025	7025	-2399.17	60.496	-3.892	-0.244	-89.67	-142.635
47025_7026	47025	7026	2399.167	-40.303	3.892	0.244	120.791	545.649

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47026_7026	47026	7026	-2399.17	-6.522	-3.652	-0.16	-120.791	-545.741
47026_7027	47026	7027	2399.17	21.684	3.652	0.16	142.719	461.065
47027_7027	47027	7027	-2399.17	-21.684	-4.079	-0.078	-142.719	-461.065
47027_7028	47027	7028	2399.169	36.821	4.079	0.078	167.168	285.717
47028_7028	47028	7028	-2399.17	-36.821	0.322	-0.603	-167.168	-285.717
47028_7029	47028	7029	2399.172	51.981	-0.322	0.603	165.238	19.17
47029_7029	47029	7029	-2399.17	-51.981	0.322	-0.603	-165.238	-19.17
47029_7030	47029	7030	2399.172	67.141	-0.322	0.603	163.307	-338.384
47030_7030	47030	7030	-2399.18	-113.599	1.587	-1.467	-163.307	338.369
47030_7031	47030	7031	2399.177	133.784	-1.587	1.467	150.625	-1327.06
47031_7031	47031	7031	-2399.18	-133.784	1.898	-1.295	-150.625	1327.063
47031_7032	47031	7032	2399.177	153.995	-1.898	1.295	135.437	-2478.63
47032_7032	47032	7032	-2399.17	-153.995	4.88	1.786	-135.437	2478.632
47032_7033	47032	7033	2399.173	174.202	-4.88	-1.786	96.387	-3791.77
47033_7033	47033	7033	-2399.11	-222.85	15.207	0.037	-96.387	3791.838
47033_7034	47033	7034	2399.111	242.42	-15.207	-0.037	-21.458	-5594.61
47034_7034	47034	7034	-2399.13	-242.42	12.127	-7.145	21.458	5594.606
47034_7035	47034	7035	2399.129	261.992	-12.127	7.145	-115.45	-7549.29
47035_7035	47035	7035	-2399.1	-261.992	16.723	7.315	115.45	7549.294
47035_7036	47035	7036	2399.101	288.558	-16.723	-7.315	-274.278	-10163.8
47036_7036	47036	7036	83.744	540.421	-0.244	-10.634	-19.533	31476.15
47036_7037	47036	7037	-78.949	-499.467	0.244	10.634	22.606	-24935
47037_7037	47037	7037	65.131	501.456	-0.26	9.767	-24.654	24935.05
47037_7038	47037	7038	-61.699	-462.969	0.26	-9.767	27.921	-18885.9
47038_7038	47038	7038	46.249	424.322	1.844	-5.552	-26.655	18886.25
47038_7039	47038	7039	-43.881	-385.464	-1.844	5.552	2.175	-13512.5
47039_7039	47039	7039	43.668	308.846	0.878	3.161	-1.195	2608.47
47039_7040	47039	7040	-42.627	-277.093	-0.878	-3.161	-9.126	835.948
47040_7040	47040	7040	36.187	235.526	-0.041	4.164	9.178	-835.947
47040_7041	47040	7041	-35.937	-213.496	0.041	-4.164	-8.839	2687.534
47041_7041	47041	7041	33.508	213.891	-0.105	-1.017	8.885	-2687.54
47041_7042	47041	7042	-33.508	-176.97	0.105	1.017	-7.273	5702.334
47042_7042	47042	7042	33.508	135.942	0.055	6.257	7.273	-5702.39
47042_7043	47042	7043	-33.508	-107.461	-0.055	-6.257	-7.923	7150.632
47043_7043	47043	7043	33.508	107.461	-0.001	-5.712	7.923	-7150.63
47043_7044	47043	7044	-33.508	-78.984	0.001	5.712	-7.906	8259.811
47044_7044	47044	7044	33.507	40.382	-0.066	3.362	7.906	-8259.84
47044_7045	47044	7045	-33.507	-11.884	0.066	-3.362	-7.124	8571.009
47045_7045	47045	7045	33.507	11.884	-0.091	-3.173	7.124	-8571.01
47045_7046	47045	7046	-33.507	16.589	0.091	3.173	-6.039	8543.023
47046_7046	47046	7046	33.508	-54.623	0.16	6.318	6.039	-8543.03
47046_7047	47046	7047	-33.508	83.115	-0.16	-6.318	-7.941	7723.172
47047_7047	47047	7047	33.509	-83.115	0.104	-6.61	7.941	-7723.17
47047_7048	47047	7048	-33.509	111.603	-0.104	6.61	-9.176	6564.317
47048_7048	47048	7048	33.508	-150.204	-0.066	1.6	9.176	-6564.33
47048_7049	47048	7049	-33.508	178.689	0.066	-1.6	-8.387	4607.074
47049_7049	47049	7049	33.508	-178.689	-0.094	-2.258	8.387	-4607.07
47049_7050	47049	7050	-33.508	207.173	0.094	2.258	-7.264	2310.949
47050_7050	47050	7050	33.51	-248.321	0.34	-1.252	7.264	-2310.94
47050_7051	47050	7051	-33.51	285.23	-0.34	1.252	-12.502	-1803.15
47051_7051	47051	7051	36.751	-284.83	0.284	1.626	12.521	1803.147
47051_7052	47051	7052	-36.982	305.168	-0.284	-1.626	-14.859	-4235.95
47052_7052	47052	7052	44.914	-347.11	-0.462	-7.593	14.599	4235.844

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47052_7053	47052	7053	-45.874	376.394	0.462	7.593	-9.163	-8491.02
47053_7053	47053	7053	58.412	-379.896	-0.322	11.11	19.406	8931.255
47053_7054	47053	7054	-60.707	417.451	0.322	-11.11	-15.136	-14221.9
47054_7054	47054	7054	76.323	-459.035	-0.872	-16.11	13.048	14221.72
47054_7055	47054	7055	-79.64	496.138	0.872	16.11	-2.102	-20211.8
47055_7055	47055	7055	93.322	-493.747	-0.928	15.873	5.415	20211.85
47055_7056	47055	7056	-97.94	533.101	0.928	-15.873	6.266	-26668.6
47056_7056	47056	7056	-2203.16	250.716	-17.076	-5.566	320.45	7809.269
47056_7057	47056	7057	2203.163	-224.949	17.076	5.566	-158.119	-5548.3
47057_7057	47057	7057	-2203.18	224.949	-14.543	1.09	158.119	5506.262
47057_7058	47057	7058	2203.181	-204.401	14.543	-1.09	-45.395	-3842.32
47058_7058	47058	7058	-2203.2	204.401	-11.708	6.034	45.395	3842.317
47058_7059	47058	7059	2203.198	-183.855	11.708	-6.034	45.346	-2337.78
47059_7059	47059	7059	-2203.19	138.037	-6.659	-1.235	-45.346	2337.842
47059_7060	47059	7060	2203.187	-116.853	6.659	1.235	98.561	-1319.42
47060_7060	47060	7060	-2203.19	116.853	-3.713	0.529	-98.561	1319.422
47060_7061	47060	7061	2203.194	-95.644	3.713	-0.529	128.266	-469.402
47061_7061	47061	7061	-2203.2	95.644	-0.966	1.115	-128.266	469.401
47061_7062	47061	7062	2203.197	-74.437	0.966	-1.115	135.991	210.888
47062_7062	47062	7062	-2203.2	30.197	-3.042	0.579	-135.991	-211.016
47062_7063	47062	7063	2203.197	-14.278	3.042	-0.579	154.258	344.545
47063_7063	47063	7063	-2203.2	14.278	0.618	0.006	-154.258	-344.545
47063_7064	47063	7064	2203.199	1.639	-0.618	-0.006	150.545	382.489
47064_7064	47064	7064	-2203.2	-1.639	0.367	0.05	-150.545	-382.489
47064_7065	47064	7065	2203.199	17.529	-0.367	-0.05	148.342	325.044
47065_7065	47065	7065	-2203.2	-17.529	0.618	0.013	-148.342	-325.044
47065_7066	47065	7066	2203.199	33.446	-0.618	-0.013	144.629	172.018
47066_7066	47066	7066	-2203.2	-77.725	4.205	0.16	-144.629	-171.933
47066_7067	47066	7067	2203.2	98.927	-4.205	-0.16	111.001	-534.459
47067_7067	47067	7067	-2203.2	-98.927	4.205	0.16	-111.001	534.459
47067_7068	47067	7068	2203.2	120.128	-4.205	-0.16	77.372	-1410.41
47068_7068	47068	7068	-2203.2	-120.128	4.387	0.277	-77.372	1410.412
47068_7069	47068	7069	2203.199	141.356	-4.387	-0.277	42.242	-2457.34
47069_7069	47069	7069	-2203.14	-187.09	13.064	-3.59	-42.242	2457.5
47069_7070	47069	7070	2203.139	207.625	-13.064	3.59	-58.953	-3986.26
47070_7070	47070	7070	-2203.12	-207.625	15.902	1.546	58.953	3986.263
47070_7071	47070	7071	2203.12	228.158	-15.902	-1.546	-182.125	-5673.95
47071_7071	47071	7071	-2203.12	-228.158	16.118	2.408	182.125	5715.989
47071_7072	47071	7072	2203.119	253.905	-16.118	-2.408	-335.229	-8005.54
47072_7072	47072	7072	92.736	526.582	0.668	-7.45	-8.575	26878.44
47072_7073	47072	7073	-88.118	-487.201	-0.668	7.45	0.164	-20499.7
47073_7073	47073	7073	74.634	489.448	0.643	8.857	-1.826	20499.67
47073_7074	47073	7074	-71.317	-452.327	-0.643	-8.857	-6.251	-14590.7
47074_7074	47074	7074	56.301	416.695	0.234	-0.358	7.05	14590.99
47074_7075	47074	7075	-54.007	-379.158	-0.234	0.358	-10.154	-9312.84
47075_7075	47075	7075	41.104	300.876	0.387	-0.99	6.505	-2710.68
47075_7076	47075	7076	-40.175	-272.568	-0.387	0.99	-11.059	6080.937
47076_7076	47076	7076	33.891	235.544	-0.026	5.724	10.956	-6081.13
47076_7077	47076	7077	-33.668	-215.861	0.026	-5.724	-10.741	7944.004
47077_7077	47077	7077	31.214	216.229	-0.062	-3.641	10.806	-7953.09
47077_7078	47077	7078	-31.214	-180.875	0.062	3.641	-9.935	10729.2
47078_7078	47078	7078	31.213	144.329	-0.291	6.113	9.935	-10729.2
47078_7079	47078	7079	-31.213	-116.018	0.291	-6.113	-6.679	12186.75

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47079_7079	47079	7079	31.213	116.018	-0.317	-4.172	6.679	-12186.7
47079_7080	47079	7080	-31.213	-87.732	0.317	4.172	-3.13	13326.33
47080_7080	47080	7080	31.214	53.659	0.137	6.968	3.13	-13326.4
47080_7081	47080	7081	-31.214	-25.377	-0.137	-6.968	-4.659	13768.45
47081_7081	47081	7081	31.214	25.377	0.107	-5.953	4.659	-13768.4
47081_7082	47081	7082	-31.214	2.93	-0.107	5.953	-5.862	13894.09
47082_7082	47082	7082	31.214	-38.344	-0.076	5.587	5.862	-13894.2
47082_7083	47082	7083	-31.214	68.751	0.076	-5.587	-4.942	13250.29
47083_7083	47083	7083	31.213	-68.751	-0.102	-5.419	4.942	-13250.3
47083_7084	47083	7084	-31.213	99.156	0.102	5.419	-3.711	12240.8
47084_7084	47084	7084	31.214	-134.286	-0.047	4.096	3.711	-12240.9
47084_7085	47084	7085	-31.214	162.587	0.047	-4.096	-3.185	10579.5
47085_7085	47085	7085	31.214	-162.587	-0.074	-4.906	3.185	-10579.5
47085_7086	47085	7086	-31.214	190.862	0.074	4.906	-2.362	8603.348
47086_7086	47086	7086	31.214	-225.115	0.086	4.524	2.362	-8603.34
47086_7087	47086	7087	-31.214	253.414	-0.086	-4.524	-3.33	5925.582
47087_7087	47087	7087	31.214	-253.414	0.031	-6.055	3.33	-5925.58
47087_7088	47087	7088	-31.214	281.711	-0.031	6.055	-3.675	2931.359
47088_7088	47088	7088	31.214	-318.016	0.092	-2.183	3.675	-2931.37
47088_7089	47088	7089	-31.214	352.032	-0.092	2.183	-4.908	-1575.54
47089_7089	47089	7089	35.214	-351.654	0.033	0.728	4.916	1584.617
47089_7090	47089	7090	-35.45	372.443	-0.033	-0.728	-5.186	-4570.57
47090_7090	47090	7090	44.648	-408.901	-0.435	-9.097	4.882	4570.471
47090_7091	47090	7091	-45.629	438.806	0.435	9.097	0.235	-9552.9
47091_7091	47091	7091	60.155	-441.565	-0.246	6.37	6.423	9899.732
47091_7092	47091	7092	-62.406	478.499	0.246	-6.37	-3.157	-16004.9
47092_7092	47092	7092	79.577	-518.74	-0.696	-18.416	1.133	16004.63
47092_7093	47092	7093	-82.834	555.263	0.696	18.416	7.604	-22741.3
47093_7093	47093	7093	98.139	-552.763	-0.749	17.918	-3.88	22741.32
47093_7094	47093	7094	-102.68	591.541	0.749	-17.918	13.309	-29938.5
47094_7094	47094	7094	-2389.74	229.098	-11.568	-5.378	173.26	8232.829
47094_7095	47094	7095	2389.742	-203.778	11.568	5.378	-63.29	-6175.35
47095_7095	47095	7095	-2389.75	203.778	-9.407	0.208	63.29	6175.356
47095_7096	47095	7096	2389.752	-183.741	9.407	-0.208	9.561	-4674.75
47096_7096	47096	7096	-2389.76	183.741	-6.219	6.443	-9.561	4674.741
47096_7097	47096	7097	2389.762	-163.68	6.219	-6.443	57.787	-3327.73
47097_7097	47097	7097	-2389.77	120.104	-0.578	-3.029	-57.787	3327.717
47097_7098	47097	7098	2389.768	-99.421	0.578	3.029	62.407	-2450.21
47098_7098	47098	7098	-2389.77	99.421	2.507	0.134	-62.407	2450.215
47098_7099	47098	7099	2389.767	-78.713	-2.507	-0.134	42.342	-1737.3
47099_7099	47099	7099	-2389.76	78.713	5.491	2.303	-42.342	1737.298
47099_7100	47099	7100	2389.762	-58.006	-5.491	-2.303	-1.608	-1190.15
47100_7100	47100	7100	-2389.78	15.378	-0.609	-0.188	1.608	1190.254
47100_7101	47100	7101	2389.784	0.127	0.609	0.188	2.039	-1144.55
47101_7101	47101	7101	-2389.78	-0.127	3.497	1.778	-2.039	1144.553
47101_7102	47101	7102	2389.782	15.656	-3.497	-1.778	-18.951	-1191.92
47102_7102	47102	7102	-2389.78	-15.656	-4.461	-2.191	18.951	1191.923
47102_7103	47102	7103	2389.78	31.188	4.461	2.191	7.83	-1332.53
47103_7103	47103	7103	-2389.78	-31.188	-0.609	-0.043	-7.83	1332.535
47103_7104	47103	7104	2389.784	46.692	0.609	0.043	11.477	-1565.9
47104_7104	47104	7104	-2389.78	-89.386	-4.736	-2.048	-11.477	1565.818
47104_7105	47104	7105	2389.783	110.093	4.736	2.048	49.382	-2364.13
47105_7105	47105	7105	-2389.79	-110.093	-1.751	0.905	-49.382	2364.127

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47105_7106	47105	7106	2389.787	130.799	1.751	-0.905	63.4	-3328.13
47106_7106	47106	7106	-2389.79	-130.799	-1.841	0.78	-63.4	3328.131
47106_7107	47106	7107	2389.787	151.48	1.841	-0.78	78.116	-4456.35
47107_7107	47107	7107	-2389.76	-194.897	7.651	-3.145	-78.116	4456.403
47107_7108	47107	7108	2389.759	214.955	-7.651	3.145	18.796	-6045.22
47108_7108	47108	7108	-2389.76	-214.955	7.651	-3.145	-18.796	6045.223
47108_7109	47108	7109	2389.759	235.014	-7.651	3.145	-40.524	-7789.56
47109_7109	47109	7109	-2389.75	-235.014	10.015	4.56	40.524	7789.555
47109_7110	47109	7110	2389.751	260.3	-10.015	-4.56	-135.599	-10140.7
47110_7110	47110	7110	108.949	551.126	0.198	-20.534	-7.145	32280.35
47110_7111	47110	7111	-104.409	-512.33	-0.198	20.534	4.651	-25588.7
47111_7111	47111	7111	90.228	515.016	0.127	20.356	-8.849	25588.74
47111_7112	47111	7112	-86.971	-478.479	-0.127	-20.356	7.249	-19354.9
47112_7112	47112	7112	71.333	444.589	0.35	-2.896	-5.246	19355.33
47112_7113	47112	7113	-69.082	-407.674	-0.35	2.896	0.601	-13703
47113_7113	47113	7113	52.159	329.06	0.335	1.913	8.598	1619.062
47113_7114	47113	7114	-51.188	-299.446	-0.335	-1.913	-12.542	2075.849
47114_7114	47114	7114	44.323	262.206	-0.153	2.585	12.57	-2075.9
47114_7115	47114	7115	-44.089	-241.616	0.153	-2.585	-11.307	4154.685
47115_7115	47115	7115	41.341	242.101	-0.176	0.067	11.336	-4166.57
47115_7116	47115	7116	-41.341	-209.203	0.176	-0.067	-8.873	7319.567
47116_7116	47116	7116	41.341	173.364	-0.173	4.502	8.873	-7319.57
47116_7117	47116	7117	-41.341	-147.014	0.173	-4.502	-6.934	9112.405
47117_7117	47117	7117	41.341	147.014	-0.21	-3.493	6.934	-9112.41
47117_7118	47117	7118	-41.341	-120.687	0.21	3.493	-4.591	10609.09
47118_7118	47118	7118	41.341	88.048	-0.191	0.265	4.591	-10609
47118_7119	47118	7119	-41.341	-61.699	0.191	-0.265	-2.457	11446.96
47119_7119	47119	7119	41.341	61.699	-0.191	0.265	2.457	-11447
47119_7120	47119	7120	-41.341	-35.349	0.191	-0.265	-0.322	11990.01
47120_7120	47120	7120	41.341	0.281	-0.06	9.768	0.322	-11990.1
47120_7121	47120	7121	-41.341	28.022	0.06	-9.768	0.402	11823.37
47121_7121	47121	7121	41.341	-28.022	-0.129	-9.901	-0.402	-11823.4
47121_7122	47121	7122	-41.341	56.324	0.129	9.901	1.952	11316.41
47122_7122	47122	7122	41.341	-90.821	-0.148	4.179	-1.952	-11316.4
47122_7123	47122	7123	-41.341	117.169	0.148	-4.179	3.612	10152.63
47123_7123	47123	7123	41.34	-117.169	-0.185	-4.892	-3.612	-10152.6
47123_7124	47123	7124	-41.34	143.517	0.185	4.892	5.686	8694.007
47124_7124	47124	7124	41.34	-177.304	0.007	5.291	-5.686	-8694.01
47124_7125	47124	7125	-41.34	203.651	-0.007	-5.291	5.611	6562.463
47125_7125	47125	7125	41.34	-203.651	-0.067	-6.437	-5.611	-6562.46
47125_7126	47125	7126	-41.34	229.998	0.067	6.437	6.363	4136.116
47126_7126	47126	7126	41.341	-265.761	-0.083	-0.437	-6.363	-4136.14
47126_7127	47126	7127	-41.341	297.594	0.083	0.437	7.484	327.761
47127_7127	47127	7127	44.719	-297.105	-0.138	-0.75	-7.493	-315.875
47127_7128	47127	7128	-44.934	316.009	0.138	0.75	8.633	-2213.37
47128_7128	47128	7128	53.004	-354.742	-0.552	-5.414	-8.806	2213.307
47128_7129	47128	7129	-53.896	381.953	0.552	5.414	15.295	-6543.32
47129_7129	47129	7129	68.668	-385.775	-1.536	8.701	-22.851	7031.461
47129_7130	47129	7130	-70.847	421.545	1.536	-8.701	43.241	-12388.2
47130_7130	47130	7130	86.091	-458.247	2.474	-6.593	-44.451	12388.19
47130_7131	47130	7131	-89.25	493.676	-2.474	6.593	13.405	-18359.3
47131_7131	47131	7131	106.825	-490.174	2.443	6.417	-12.062	18359.29
47131_7132	47131	7132	-111.237	525.387	-2.443	-6.417	-16.694	-24334.2

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47132_7132	47132	7132	-2143.98	206.859	13.858	6.096	-166.007	6204.928
47132_7133	47132	7133	2143.981	-180.277	-13.858	-6.096	22.994	-4207.31
47133_7133	47133	7133	-2144	180.277	11.091	0.668	-22.994	4207.311
47133_7134	47133	7134	2143.997	-162.026	-11.091	-0.668	-62.964	-2880.89
47134_7134	47134	7134	-2144.02	162.026	5.569	-6.753	62.964	2880.878
47134_7135	47134	7135	2144.018	-143.752	-5.569	6.753	-106.181	-1694.45
47135_7135	47135	7135	-2144.01	104.467	-3.095	-0.899	106.181	1694.53
47135_7136	47135	7136	2144.007	-85.651	3.095	0.899	-81.452	-934.996
47136_7136	47136	7136	-2144.01	85.651	-0.398	0.277	81.452	934.996
47136_7137	47136	7137	2144.009	-66.811	0.398	-0.277	-78.266	-325.142
47137_7137	47137	7137	-2144.01	66.811	-0.398	0.277	78.266	325.142
47137_7138	47137	7138	2144.009	-47.971	0.398	-0.277	-75.08	133.993
47138_7138	47138	7138	-2144	9.796	-4.619	0.04	75.08	-134.041
47138_7139	47138	7139	2143.997	4.333	4.619	-0.04	-47.366	150.431
47139_7139	47139	7139	-2144	-4.333	-1.046	-0.21	47.366	-150.431
47139_7140	47139	7140	2144.002	18.463	1.046	0.21	-41.092	82.041
47140_7140	47140	7140	-2144	-18.463	-1.046	-0.21	41.092	-82.041
47140_7141	47140	7141	2144.002	32.593	1.046	0.21	-34.817	-71.129
47141_7141	47141	7141	-2144	-32.593	-1.046	-0.21	34.817	71.129
47141_7142	47141	7142	2144.002	46.722	1.046	0.21	-28.543	-309.077
47142_7142	47142	7142	-2143.99	-86.666	-4.383	-1.076	28.543	309.02
47142_7143	47142	7143	2143.994	105.506	4.383	1.076	6.522	-1077.72
47143_7143	47143	7143	-2144	-105.506	-1.703	0.271	-6.522	1077.722
47143_7144	47143	7144	2143.998	124.345	1.703	-0.271	20.147	-1997.14
47144_7144	47144	7144	-2144	-124.345	-1.703	0.271	-20.147	1997.138
47144_7145	47144	7145	2143.998	143.185	1.703	-0.271	33.771	-3067.27
47145_7145	47145	7145	-2144.02	-186.906	0.897	1.614	-33.771	3067.207
47145_7146	47145	7146	2144.017	205.157	-0.897	-1.614	26.817	-4586.47
47146_7146	47146	7146	-2144.02	-205.157	-1.869	-4.304	-26.817	4586.472
47146_7147	47146	7147	2144.017	223.408	1.869	4.304	41.302	-6247.2
47147_7147	47147	7147	-2144.02	-223.408	0.679	3.12	-41.302	6247.199
47147_7148	47147	7148	2144.017	247.879	-0.679	-3.12	34.852	-8485.84
47148_7148	47148	7148	120.494	489.207	-0.431	-9.044	-11.594	27682.95
47148_7149	47148	7149	-116.082	-451.521	0.431	9.044	17.018	-21765.8
47149_7149	47149	7149	103.569	454.554	-0.481	8.773	-18.807	21765.83
47149_7150	47149	7150	-100.41	-419.125	0.481	-8.773	24.846	-16285.6
47150_7150	47150	7150	86.28	383.834	1.891	-1.039	-23.95	16285.63
47150_7151	47150	7151	-84.101	-348.063	-1.891	1.039	-1.156	-11429.4
47151_7151	47151	7151	62.953	258.49	0.431	0.299	-10.136	-360.346
47151_7152	47151	7152	-62.036	-230.537	-0.431	-0.299	5.068	3234.509
47152_7152	47152	7152	56.615	190.428	-0.015	-2.994	-5.022	-3234.56
47152_7153	47152	7153	-56.394	-171.003	0.015	2.994	5.145	4725.525
47153_7153	47153	7153	54.447	171.633	0.038	1.646	-5.179	-4725.53
47153_7154	47153	7154	-54.447	-140.259	-0.038	-1.646	4.659	6869.818
47154_7154	47154	7154	54.447	101.903	0.038	0.165	-4.659	-6869.81
47154_7155	47154	7155	-54.447	-76.804	-0.038	-0.165	4.238	7852.72
47155_7155	47155	7155	54.447	76.804	0.038	0.165	-4.238	-7852.72
47155_7156	47155	7156	-54.447	-51.705	-0.038	-0.165	3.817	8559.534
47156_7156	47156	7156	54.447	17.426	0.057	-4.253	-3.817	-8559.54
47156_7157	47156	7157	-54.447	5.391	-0.057	4.253	3.25	8619.708
47157_7157	47157	7157	54.447	-5.391	0.111	4.366	-3.25	-8619.71
47157_7158	47157	7158	-54.447	28.209	-0.111	-4.366	2.14	8451.706
47158_7158	47158	7158	54.447	-58.87	0.071	-3.957	-2.14	-8451.66

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47158_7159	47158	7159	-54.447	81.71	-0.071	3.957	1.426	7748.038
47159_7159	47159	7159	54.447	-81.71	0.126	3.83	-1.426	-7748.04
47159_7160	47159	7160	-54.447	104.528	-0.126	-3.83	0.166	6816.831
47160_7160	47160	7160	54.447	-139.029	0.08	-2.531	-0.166	-6816.81
47160_7161	47160	7161	-54.447	164.128	-0.08	2.531	-0.718	5149.436
47161_7161	47161	7161	54.447	-164.128	0.13	2.15	0.718	-5149.44
47161_7162	47161	7162	-54.447	189.226	-0.13	-2.15	-2.147	3205.961
47162_7162	47162	7162	54.446	-228.723	0.252	-0.28	2.147	-3205.98
47162_7163	47162	7163	-54.446	260.097	-0.252	0.28	-5.609	-154.713
47163_7163	47163	7163	57.398	-259.461	0.199	-0.193	5.607	154.713
47163_7164	47163	7164	-57.619	278.887	-0.199	0.193	-7.249	-2375.51
47164_7164	47164	7164	64.99	-320.499	-0.027	-1.949	7.19	2375.578
47164_7165	47164	7165	-65.907	348.453	0.027	1.949	-6.878	-6307.4
47165_7165	47165	7165	80.859	-353.328	0.149	2.192	9.72	6880.373
47165_7166	47165	7166	-83.067	389.538	-0.149	-2.192	-11.701	-11805.7
47166_7166	47166	7166	98.444	-437.447	0.077	-6.683	10.995	11805.55
47166_7167	47166	7167	-101.642	473.317	-0.077	6.683	-11.967	-17518.5
47167_7167	47167	7167	114.674	-470.329	0.03	6.908	13.408	17518.46
47167_7168	47167	7168	-119.137	508.456	-0.03	-6.908	-13.786	-23675
47168_7168	47168	7168	-2086.66	232.65	-2.049	-3.431	17.104	6395.548
47168_7169	47168	7169	2086.656	-207.844	2.049	3.431	2.365	-4303.16
47169_7169	47169	7169	-2086.66	207.844	0.36	1.537	-2.365	4303.16
47169_7170	47169	7170	2086.657	-189.09	-0.36	-1.537	-0.423	-2765.02
47170_7170	47170	7170	-2086.66	189.09	0.36	1.537	0.423	2765.019
47170_7171	47170	7171	2086.657	-170.336	-0.36	-1.537	-3.21	-1372.23
47171_7171	47171	7171	-2086.66	123.373	0.802	0.536	3.21	1372.128
47171_7172	47171	7172	2086.66	-104.013	-0.802	-0.536	-9.623	-462.572
47172_7172	47172	7172	-2086.66	104.013	-1.807	-0.043	9.623	462.572
47172_7173	47172	7173	2086.659	-84.654	1.807	0.043	4.831	292.113
47173_7173	47173	7173	-2086.66	84.654	0.802	-0.408	-4.831	-292.112
47173_7174	47173	7174	2086.66	-65.295	-0.802	0.408	-1.582	891.914
47174_7174	47174	7174	-2086.66	21.575	0.859	-0.429	1.582	-891.989
47174_7175	47174	7175	2086.659	-7.055	-0.859	0.429	-6.739	977.88
47175_7175	47175	7175	-2086.66	7.055	-2.618	1.2	6.739	-977.879
47175_7176	47175	7176	2086.658	7.464	2.618	-1.2	8.97	976.651
47176_7176	47176	7176	-2086.66	-7.464	0.859	-0.427	-8.97	-976.652
47176_7177	47176	7177	2086.659	21.984	-0.859	0.427	3.813	888.306
47177_7177	47177	7177	-2086.66	-21.984	0.859	-0.427	-3.813	-888.306
47177_7178	47177	7178	2086.659	36.503	-0.859	0.427	-1.344	712.842
47178_7178	47178	7178	-2086.66	-80.572	0.571	-0.424	1.344	-712.918
47178_7179	47178	7179	2086.657	99.931	-0.571	0.424	-5.916	-9.102
47179_7179	47179	7179	-2086.66	-99.931	-2.037	-0.436	5.916	9.101
47179_7180	47179	7180	2086.656	119.291	2.037	0.436	10.378	-886.005
47180_7180	47180	7180	-2086.66	-119.291	0.571	0.672	-10.378	886.005
47180_7181	47180	7181	2086.657	138.65	-0.571	-0.672	5.806	-1917.78
47181_7181	47181	7181	-2086.67	-185.823	1.193	1.986	-5.806	1917.694
47181_7182	47181	7182	2086.665	204.577	-1.193	-1.986	-3.443	-3430.51
47182_7182	47182	7182	-2086.67	-204.577	1.193	1.986	3.443	3430.513
47182_7183	47182	7183	2086.665	223.331	-1.193	-1.986	-12.692	-5088.68
47183_7183	47183	7183	-2086.67	-223.331	-1.216	-3.889	12.692	5088.68
47183_7184	47183	7184	2086.665	248.137	1.216	3.889	-1.144	-7328.2
47184_7184	47184	7184	119.186	490.991	0.23	7.763	-16.644	24853.71
47184_7185	47184	7185	-114.722	-452.864	-0.23	-7.763	13.747	-18916.9

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47185_7185	47185	7185	102.172	455.86	0.279	-6.933	-12.184	18916.95
47185_7186	47185	7186	-98.974	-419.99	-0.279	6.933	8.68	-13423.1
47186_7186	47186	7186	84.553	379.98	-0.829	-0.564	-9.244	13423.13
47186_7187	47186	7187	-82.345	-343.742	0.829	0.564	20.243	-8621.18
47187_7187	47187	7187	65.005	250.184	0.321	1.299	-4.174	-3316.19
47187_7188	47187	7188	-64.047	-220.965	-0.321	-1.299	0.4	6085.278
47188_7188	47188	7188	58.805	178.747	0.025	-3.88	-0.313	-6085.27
47188_7189	47188	7189	-58.574	-158.433	-0.025	3.88	0.105	7476.189
47189_7189	47189	7189	56.77	159.089	0.08	3.359	-0.149	-7467.77
47189_7190	47189	7190	-56.77	-124.832	-0.08	-3.359	-0.953	9419.756
47190_7190	47190	7190	56.771	83.158	-0.087	0.292	0.953	-9419.76
47190_7191	47190	7191	-56.771	-55.753	0.087	-0.292	0.008	10183.78
47191_7191	47191	7191	56.771	55.753	-0.087	0.292	-0.008	-10183.8
47191_7192	47191	7192	-56.771	-28.348	0.087	-0.292	0.969	10646.34
47192_7192	47192	7192	56.77	-8.843	0.031	0.098	-0.969	-10646.3
47192_7193	47192	7193	-56.77	33.707	-0.031	-0.098	0.656	10433.99
47193_7193	47193	7193	56.77	-33.707	0.031	0.046	-0.656	-10434
47193_7194	47193	7194	-56.77	58.596	-0.031	-0.046	0.345	9972.929
47194_7194	47194	7194	56.77	-92	0.105	4.349	-0.345	-9972.98
47194_7195	47194	7195	-56.77	116.889	-0.105	-4.349	-0.7	8929.56
47195_7195	47195	7195	56.77	-116.889	0.048	-4.589	0.7	-8929.56
47195_7196	47195	7196	-56.77	141.777	-0.048	4.589	-1.177	7637.508
47196_7196	47196	7196	56.77	-178.835	0.095	-0.319	1.177	-7637.5
47196_7197	47196	7197	-56.77	206.241	-0.095	0.319	-2.223	5519.553
47197_7197	47197	7197	56.77	-206.241	0.095	-0.319	2.223	-5519.55
47197_7198	47197	7198	-56.77	233.646	-0.095	0.319	-3.268	3100.143
47198_7198	47198	7198	56.771	-275.029	-0.025	-0.7	3.268	-3100.16
47198_7199	47198	7199	-56.771	309.261	0.025	0.7	-2.932	-913.979
47199_7199	47199	7199	60.35	-308.582	-0.08	0.133	2.933	897.643
47199_7200	47199	7200	-60.595	329.737	0.08	-0.133	-2.275	-3530.86
47200_7200	47200	7200	69.262	-372.696	-0.51	2.435	2.356	3530.904
47200_7201	47200	7201	-70.279	403.113	0.51	-2.435	3.636	-8090.93
47201_7201	47201	7201	83.539	-408.725	-0.08	-4.912	0.52	8794.084
47201_7202	47201	7202	-86.041	449.229	0.08	4.912	0.536	-14487.3
47202_7202	47202	7202	103.246	-496.874	-0.556	7.575	0.45	14487.25
47202_7203	47202	7203	-106.844	536.768	0.556	-7.575	6.524	-20971.8
47203_7203	47203	7203	121.658	-533.606	-0.509	-8.909	-8.281	20971.79
47203_7204	47203	7204	-126.64	575.757	0.509	8.909	14.689	-27951
47204_7204	47204	7204	-2338.43	264.332	-7.368	2.06	186.864	8169.499
47204_7205	47204	7205	2338.433	-236.468	7.368	-2.06	-116.868	-5790.67
47205_7205	47205	7205	-2338.42	236.468	-10.147	-3.578	116.868	5504.014
47205_7206	47205	7206	2338.422	-215.218	10.147	3.578	-38.227	-3753.69
47206_7206	47206	7206	-2338.43	215.218	-7.13	1.265	38.227	3753.695
47206_7207	47206	7207	2338.433	-193.969	7.13	-1.265	17.029	-2168.08
47207_7207	47207	7207	-2338.49	143.356	-1.407	0.051	-17.029	2168.067
47207_7208	47207	7208	2338.492	-121.421	1.407	-0.051	28.289	-1108.94
47208_7208	47208	7208	-2338.49	121.421	-1.407	0.051	-28.289	1108.943
47208_7209	47208	7209	2338.492	-99.486	1.407	-0.051	39.549	-225.302
47209_7209	47209	7209	-2338.49	99.486	-4.331	-0.231	-39.549	225.302
47209_7210	47209	7210	2338.488	-77.551	4.331	0.231	74.194	482.861
47210_7210	47210	7210	-2338.51	27.452	0.174	-0.337	-74.194	-482.845
47210_7211	47210	7211	2338.51	-11.001	-0.174	0.337	73.152	598.207
47211_7211	47211	7211	-2338.51	11.001	0.174	-0.337	-73.152	-598.207

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47211_7212	47211	7212	2338.51	5.45	-0.174	0.337	72.11	614.861
47212_7212	47212	7212	-2338.51	-5.45	-3.724	0.688	-72.11	-614.86
47212_7213	47212	7213	2338.507	21.902	3.724	-0.688	94.453	532.804
47213_7213	47213	7213	-2338.51	-21.902	0.174	-0.2	-94.453	-532.804
47213_7214	47213	7214	2338.51	38.353	-0.174	0.2	93.411	352.039
47214_7214	47214	7214	-2338.54	-89.205	2.478	0.539	-93.411	-352.021
47214_7215	47214	7215	2338.537	111.14	-2.478	-0.539	73.586	-449.372
47215_7215	47215	7215	-2338.54	-111.14	2.478	0.539	-73.586	449.372
47215_7216	47215	7216	2338.537	133.075	-2.478	-0.539	53.761	-1426.25
47216_7216	47216	7216	-2338.54	-133.075	-0.445	-1.244	-53.761	1426.246
47216_7217	47216	7217	2338.538	155.011	0.445	1.244	57.321	-2578.61
47217_7217	47217	7217	-2338.59	-206.43	6.588	-19.819	-57.321	2578.371
47217_7218	47217	7218	2338.587	227.679	-6.588	19.819	6.261	-4260.57
47218_7218	47218	7218	-2338.59	-227.679	6.588	-19.819	-6.261	4260.567
47218_7219	47218	7219	2338.587	248.929	-6.588	19.819	-44.798	-6107.45
47219_7219	47219	7219	-2338.42	-248.929	28.504	40.913	44.798	6394.019
47219_7220	47219	7220	2338.422	276.793	-28.504	-40.913	-315.59	-8891.22
47220_7220	47220	7220	111.252	545.996	1.425	-35.605	-20.556	28899.88
47220_7221	47220	7221	-106.27	-503.874	-1.425	35.605	2.634	-22299.7
47221_7221	47221	7221	92.241	506.631	1.277	35.262	-10.006	22299.67
47221_7222	47221	7222	-88.642	-466.73	-1.277	-35.262	-6.025	-16192.5
47222_7222	47222	7222	72.711	426.16	-2.177	-2.76	9.357	16193.97
47222_7223	47222	7223	-70.209	-385.646	2.177	2.76	19.55	-10805.8
47223_7223	47223	7223	67.555	294.123	0.886	-0.986	-13.227	-1479.14
47223_7224	47223	7224	-66.485	-262.136	-0.886	0.986	2.811	4746.828
47224_7224	47224	7224	60.195	216.032	0.562	13.495	-2.998	-4747.58
47224_7225	47224	7225	-59.937	-193.753	-0.562	-13.495	-1.641	6438.713
47225_7225	47225	7225	57.691	194.434	0.351	-10.137	1.798	-6430.68
47225_7226	47225	7226	-57.691	-152.578	-0.351	10.137	-7.052	9027.721
47226_7226	47226	7226	57.696	104.708	0.573	17.661	7.052	-9028.26
47226_7227	47226	7227	-57.696	-72.221	-0.573	-17.661	-13.704	10056
47227_7227	47227	7227	57.698	72.221	0.372	-17.278	13.704	-10056
47227_7228	47227	7228	-57.698	-39.757	-0.372	17.278	-18.023	10705.98
47228_7228	47228	7228	57.698	-6.247	0.497	22.179	18.023	-10705.7
47228_7229	47228	7229	-57.698	38.714	-0.497	-22.179	-23.798	10444.71
47229_7229	47229	7229	57.699	-38.714	0.249	-22.752	23.798	-10444.7
47229_7230	47229	7230	-57.699	71.187	-0.249	22.752	-26.691	9806.594
47230_7230	47230	7230	57.684	-118.41	1.085	15.897	26.691	-9805.49
47230_7231	47230	7231	-57.684	152.288	-1.085	-15.897	-39.841	8165.757
47231_7231	47231	7231	57.688	-152.288	0.85	-17.395	39.841	-8165.75
47231_7232	47231	7232	-57.688	186.2	-0.85	17.395	-50.153	6113.26
47232_7232	47232	7232	57.691	-238.021	0.449	12.155	50.153	-6112.59
47232_7233	47232	7233	-57.691	246.592	-0.449	-12.155	-51.53	5369.993
47233_7233	47233	7233	59.81	-246.086	0.358	3.215	51.56	-5370.01
47233_7234	47233	7234	-59.956	263.096	-0.358	-3.215	-53.694	3852.676
47234_7234	47234	7234	64.092	-262.119	0.278	-3.004	53.607	-3852.68
47234_7235	47234	7235	-64.677	286.158	-0.278	3.004	-55.935	1553.649
47235_7235	47235	7235	69.009	-285.144	0.184	-6.38	55.783	-1553.64
47235_7236	47235	7236	-69.655	301.496	-0.184	6.38	-56.822	-107.849
47236_7236	47236	7236	77.227	-343.821	-1.378	-6.209	56.765	103.784
47236_7237	47236	7237	-79.385	380.912	1.378	6.209	-41.97	-3994.66
47237_7237	47237	7237	78.705	-397.266	-2.542	4.416	146.176	6478.285
47237_7238	47237	7238	-81.502	432.073	2.542	-4.416	-121.971	-10425.8

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47238_7238	47238	7238	93.282	-461.503	5.809	-25.274	119.286	10423.54
47238_7239	47238	7239	-96.88	497.038	-5.809	25.274	-174.07	-14942.3
47239_7239	47239	7239	96.573	-497.1	5.683	15.377	178.165	14942.3
47239_7240	47239	7240	-100.688	538.011	-5.683	-15.377	-237.663	-20359.6
47240_7240	47240	7240	-2172.44	287.304	-63.945	-5.092	1257.225	4910.989
47240_7241	47240	7241	2172.441	-260.561	63.945	5.092	-762.862	-2793.2
47241_7241	47241	7241	-2172.65	260.561	-56.506	4.473	762.862	2793.204
47241_7242	47241	7242	2172.647	-231.402	56.506	-4.473	-279.429	-688.709
47242_7242	47242	7242	-2172.76	231.402	-51.996	5.902	279.429	688.698
47242_7243	47242	7243	2172.76	-203.435	51.996	-5.902	147.242	1095.393
47243_7243	47243	7243	-2174.28	152.067	-16.81	3.156	-147.242	-1095.4
47243_7244	47243	7244	2174.283	-117.528	16.81	-3.156	317.6	2461.448
47244_7244	47244	7244	-2174.32	117.528	-11.653	-2.682	-317.6	-2461.45
47244_7245	47244	7245	2174.317	-85.171	11.653	2.682	428.232	3423.64
47245_7245	47245	7245	-2173.96	41.077	-12.993	4.811	-428.232	-3422.77
47245_7246	47245	7246	2173.96	-5.836	12.993	-4.811	562.586	3665.318
47246_7246	47246	7246	-2173.99	5.836	-7.473	-4.496	-562.586	-3665.32
47246_7247	47246	7247	2173.986	25.786	7.473	4.496	631.924	3572.769
47247_7247	47247	7247	-2174.01	-76.018	-2.573	6.384	-631.924	-3572.13
47247_7248	47247	7248	2174.008	108.022	2.573	-6.384	656.085	2708.03
47248_7248	47248	7248	-2174	-108.022	6.273	-4.636	-656.085	-2708.03
47248_7249	47248	7249	2174	142.915	-6.273	4.636	591.858	1423.487
47249_7249	47249	7249	-2174.36	-189.164	25.03	-0.095	-591.858	-1423.18
47249_7250	47249	7250	2174.363	223.209	-25.03	0.095	341.827	-636.456
47250_7250	47250	7250	-2174.29	-223.209	30.839	1.606	-341.827	636.454
47250_7251	47250	7251	2174.289	256.031	-30.839	-1.606	44.845	-2943.99
47251_7251	47251	7251	-2173.1	-302.92	-12.055	-51.038	-44.845	2942.58
47251_7252	47251	7252	2173.1	329.338	12.055	51.038	138.29	-5393.02
47252_7252	47252	7252	-2173.13	-329.338	-2.837	-28.161	-138.29	5393.187
47252_7253	47252	7253	2173.131	362.183	2.837	28.161	165.229	-8676.16
47253_7253	47253	7253	61.103	507.02	-47.505	100.415	21.499	23927.47
47253_7254	47253	7254	-57.599	-478.453	47.505	-100.415	325.646	-20327.3
47254_7254	47254	7254	40.449	421.001	28.781	-16.092	-310.969	20323.79
47254_7255	47254	7255	-35.974	-377.06	-28.781	16.092	-24.13	-15679.7
47255_7255	47255	7255	27.137	377.799	28.787	20.39	20.852	15679.7
47255_7256	47255	7256	-24.274	-341.108	-28.787	-20.39	-310.637	-12062.1
47256_7256	47256	7256	15.549	306.469	-12.423	-14.823	312.623	12061.41
47256_7257	47256	7257	-13.651	-273.02	12.423	14.823	-195.838	-9338.08
47257_7257	47257	7257	8.498	273.229	-12.419	1.73	194.758	9338.114
47257_7258	47257	7258	-7.686	-251.823	12.419	-1.73	-106.001	-7461.93
47258_7258	47258	7258	4.34	251.903	-12.416	9.385	105.791	7461.926
47258_7259	47258	7259	-3.966	-236.727	12.416	-9.385	-42.475	-6216.09
47259_7259	47259	7259	66.901	230.449	1.613	16.392	-9.299	-4382.06
47259_7260	47259	7260	-66.648	-206.626	-1.613	-16.392	-3.222	6077.88
47260_7260	47260	7260	64.452	207.323	1.418	-1.728	3.396	-6094.24
47260_7261	47260	7261	-64.452	-181.099	-1.418	1.728	-15.702	7779.981
47261_7261	47261	7261	64.453	181.099	1.345	-10.551	15.702	-7779.97
47261_7262	47261	7262	-64.453	-156.759	-1.345	10.551	-26.536	9140.883
47262_7262	47262	7262	64.457	97.113	0.7	11.853	26.536	-9141.06
47262_7263	47262	7263	-64.457	-62.122	-0.7	-11.853	-34.644	10063.15
47263_7263	47263	7263	64.458	62.122	0.563	-9.586	34.644	-10063.2
47263_7264	47263	7264	-64.458	-27.457	-0.563	9.586	-41.101	10577.06
47264_7264	47264	7264	64.47	-25.547	1.216	18.503	41.101	-10577.8

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47264_7265	47264	7265	-64.47	60.934	-1.216	-18.503	-55.349	10071.3
47265_7265	47265	7265	64.474	-60.934	0.982	-18.136	55.349	-10071.3
47265_7266	47265	7266	-64.474	95.21	-0.982	18.136	-66.489	9185.59
47266_7266	47266	7266	64.473	-150.72	0.554	10.651	66.489	-9186.41
47266_7267	47266	7267	-64.473	185.377	-0.554	-10.651	-72.846	7258.765
47267_7267	47267	7267	64.474	-185.377	0.359	-11.295	72.846	-7258.76
47267_7268	47267	7268	-64.474	220.354	-0.359	11.295	-77.006	4910.197
47268_7268	47268	7268	64.613	-281.415	6.007	10.33	77.006	-4911.12
47268_7269	47268	7269	-64.613	293.486	-6.007	-10.33	-101.005	3762.663
47269_7269	47269	7269	68.354	-292.641	5.849	-1.648	100.993	-3746.3
47269_7270	47269	7270	-68.759	324.52	-5.849	1.648	-158.106	733.093
47270_7270	47270	7270	75.872	-322.934	5.678	-7.052	157.965	-733.092
47270_7271	47270	7271	-77.042	356.694	-5.678	7.052	-216.162	-2749.7
47271_7271	47271	7271	89.096	-418.771	-12.598	-19.423	215.507	2758.174
47271_7272	47271	7272	-91.837	465.151	12.598	19.423	-60.733	-8186.61
47272_7272	47272	7272	104.226	-462.525	-12.867	13.103	63.129	8186.606
47272_7273	47272	7273	-108.425	511.314	12.867	-13.103	97.588	-14266.6
47273_7273	47273	7273	121.684	-528.032	22.926	-41.028	-103.248	14269.34
47273_7274	47273	7274	-124.062	550.481	-22.926	41.028	-24.592	-17276.1
47274_7274	47274	7274	132.197	-548.591	22.772	-1.017	28.864	17276.15
47274_7275	47274	7275	-136.221	581.901	-22.772	1.017	-212.17	-21825.3
47275_7275	47275	7275	-2079.42	146.014	26.502	26.407	607.214	3182.214
47275_7276	47275	7276	2079.42	-125.931	-26.502	-26.407	-752.956	-2434.47
47276_7276	47276	7276	-3268.2	369.189	-65.441	-22.788	981.875	12473.83
47276_7277	47276	7277	3268.195	-354.461	65.441	22.788	-720.226	-11027.2
47277_7277	47277	7277	-3268.3	354.461	-59.857	-9.201	720.226	11313.98
47277_7278	47277	7278	3268.302	-319.597	59.857	9.201	-113.84	-7899.7
47278_7278	47278	7278	-3268.46	319.597	-50.46	13.512	113.84	7899.69
47278_7279	47278	7279	3268.461	-287.861	50.46	-13.512	351.484	-5098.82
47279_7279	47279	7279	-3268.11	219.47	-19.846	-6.796	-351.484	5099.494
47279_7280	47279	7280	3268.11	-179.291	19.846	6.796	583.187	-2771.74
47280_7280	47280	7280	-3268.16	179.291	-6.19	4.786	-583.187	2771.741
47280_7281	47280	7281	3268.164	-137.366	6.19	-4.786	658.594	-842.962
47281_7281	47281	7281	-3268.32	82.821	-2.449	-0.522	-658.594	843.009
47281_7282	47281	7282	3268.323	-46.535	2.449	0.522	688.941	-41.431
47282_7282	47282	7282	-3268.32	46.535	6.79	-0.405	-688.941	41.432
47282_7283	47282	7283	3268.316	-12.971	-6.79	0.405	611.102	299.64
47283_7283	47283	7283	-3268.81	-70.002	-6.71	-1.886	-611.102	-299.814
47283_7284	47283	7284	3268.814	101.348	6.71	1.886	682.944	-617.433
47284_7284	47284	7284	-3268.81	-101.348	6.573	0.623	-682.944	617.436
47284_7285	47284	7285	3268.814	129.794	-6.573	-0.623	619.08	-1740.28
47285_7285	47285	7285	-3269.14	-193.973	97.818	-11.365	-619.08	1740.14
47285_7286	47285	7286	3269.136	217.895	-97.818	11.365	-180.117	-3422.66
47286_7286	47286	7286	-3268.96	-217.895	103.406	-5.514	180.117	3422.677
47286_7287	47286	7287	3268.964	239.404	-103.406	5.514	-939.796	-5102.46
47287_7287	47287	7287	-3268.73	-239.404	110.68	-3.872	939.796	4815.629
47287_7288	47287	7288	3268.726	264.807	-110.68	3.872	-1826.72	-6835.85
47288_7288	47288	7288	107.866	858.454	-20.563	-28.989	328.103	33790.52
47288_7289	47288	7289	-103.439	-812.333	20.563	28.989	-66.663	-23171.9
47289_7289	47289	7289	90.625	813.86	-20.647	46.662	60.051	23171.88
47289_7290	47289	7290	-87.551	-775.523	20.647	-46.662	167.978	-14396.7
47290_7290	47290	7290	65.701	706.376	5.372	-11.846	-163.303	14399.1
47290_7291	47290	7291	-64.298	-681.467	-5.372	11.846	123.679	-9280.59

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47291_7291	47291	7291	50.44	682.633	5.348	-1.014	-124.193	9280.591
47291_7292	47291	7292	-49.399	-653.679	-5.348	1.014	77.596	-3459.74
47292_7292	47292	7292	37.621	654.464	5.24	15.455	-77.872	3457.138
47292_7293	47292	7293	-37.4	-642.167	-5.24	-15.455	55.494	-688.22
47293_7293	47293	7293	28.47	590.524	-1.183	9.181	-55.251	688.374
47293_7294	47293	7294	-28.375	-570.018	1.183	-9.181	63.695	3453.686
47294_7294	47294	7294	25.744	570.143	-1.23	3.098	-63.652	-3453.7
47294_7295	47294	7295	-25.744	-545.469	1.23	-3.098	74.229	8248.526
47295_7295	47295	7295	25.741	545.469	-1.289	-15.802	-74.229	-8248.51
47295_7296	47295	7296	-25.741	-522.034	1.289	15.802	83.323	12012.76
47296_7296	47296	7296	3.26	493.981	2.399	19.883	-24.817	-6730.1
47296_7297	47296	7297	-3.26	-457.609	-2.399	-19.883	-1.535	11957.5
47297_7297	47297	7297	3.266	457.609	2.39	-11.611	1.535	-11957.5
47297_7298	47297	7298	-3.266	-419.89	-2.39	11.611	-28.765	16956.46
47298_7298	47298	7298	3.23	348.273	-0.023	44.025	28.765	-16958.4
47298_7299	47298	7299	-3.23	-311.102	0.023	-44.025	-28.508	20660.17
47299_7299	47299	7299	3.23	311.102	-0.035	-31.4	28.508	-20660.2
47299_7300	47299	7300	-3.23	-269.372	0.035	31.4	-28.07	24318.71
47300_7300	47300	7300	3.222	202.546	-0.506	45.568	28.07	-24321.5
47300_7301	47300	7301	-3.222	-162.207	0.506	-45.568	-21.906	26543.78
47301_7301	47301	7301	3.22	162.207	-0.516	-40.602	21.906	-26543.8
47301_7302	47301	7302	-3.22	-123.642	0.516	40.602	-15.891	28208.72
47302_7302	47302	7302	3.227	55.905	-0.029	52.018	15.891	-28211.5
47302_7303	47302	7303	-3.227	-13.591	0.029	-52.018	-15.521	28655.65
47303_7303	47303	7303	3.227	13.591	-0.041	-54.905	15.521	-28655.6
47303_7304	47303	7304	-3.227	22.991	0.041	54.905	-15.068	28603.71
47304_7304	47304	7304	3.225	-92.258	-0.15	50.837	15.068	-28606.9
47304_7305	47304	7305	-3.225	130.51	0.15	-50.837	-13.338	27319.92
47305_7305	47305	7305	3.224	-130.51	-0.161	-46.182	13.338	-27319.9
47305_7306	47305	7306	-3.224	171.124	0.161	46.182	-11.36	25469.69
47306_7306	47306	7306	3.237	-245.194	0.652	43.976	11.36	-25472.1
47306_7307	47306	7307	-3.237	284.541	-0.652	-43.976	-19.104	22324.09
47307_7307	47307	7307	3.239	-284.541	0.639	-45.35	19.104	-22324.1
47307_7308	47307	7308	-3.239	324.067	-0.639	45.35	-26.729	18690.86
47308_7308	47308	7308	3.254	-411.504	1.683	26.115	26.729	-18692.4
47308_7309	47308	7309	-3.254	451.233	-1.683	-26.115	-46.921	13515.61
47309_7309	47309	7309	3.261	-451.233	1.669	-30.923	46.921	-13515.6
47309_7310	47309	7310	-3.261	490.356	-1.669	30.923	-66.642	7951.96
47310_7310	47310	7310	3.169	-572.899	-4.982	-2.755	66.642	-7952.46
47310_7311	47310	7311	-3.169	617.182	4.982	2.755	0	-7.011
48000_8000	48000	8000	-0.008	12.233	-0.064	0.033	0	-0.004
48000_8001	48000	8001	0.008	2.969	0.064	-0.033	0.604	43.571
48001_8001	48001	8001	-0.008	-2.969	-0.064	0.058	-0.604	-43.571
48001_8002	48001	8002	0.008	17.748	0.064	-0.058	1.191	-51.154
48002_8002	48002	8002	-0.009	19.916	0.071	0.008	-1.191	51.078
48002_8003	48002	8003	0.009	-0.36	-0.071	-0.008	0.337	71.595
48003_8003	48003	8003	-0.009	0.36	0.071	0.075	-0.337	-71.595
48003_8004	48003	8004	0.009	19.182	-0.071	-0.075	-0.516	-42.202
48004_8004	48004	8004	-0.011	20.106	-0.019	0.023	0.516	42.391
48004_8005	48004	8005	0.011	-0.545	0.019	-0.023	-0.291	82.582
48005_8005	48005	8005	-0.011	0.545	-0.019	0.032	0.291	-82.582
48005_8006	48005	8006	0.011	19.001	0.019	-0.032	-0.067	-29.019
48006_8006	48006	8006	-0.011	19.743	0.008	0.008	0.067	28.934

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48006_8007	48006	8007	0.011	-0.182	-0.008	-0.008	-0.165	91.645
48007_8007	48007	8007	-0.011	0.182	0.008	0.018	0.165	-91.645
48007_8008	48007	8008	0.011	19.364	-0.008	-0.018	-0.263	-24.347
48008_8008	48008	8008	-0.011	19.424	-0.003	-0.002	0.263	24.347
48008_8009	48008	8009	0.011	0.125	0.003	0.002	-0.228	92.369
48009_8009	48009	8009	-0.011	-0.125	-0.003	-0.002	0.228	-92.369
48009_8010	48009	8010	0.011	19.674	0.003	0.002	-0.192	-27.377
48010_8010	48010	8010	-0.012	19.264	0.001	-0.02	0.192	27.588
48010_8011	48010	8011	0.012	0.301	-0.001	0.02	-0.203	87.188
48011_8011	48011	8011	-0.012	-0.301	0.001	-0.011	0.203	-87.188
48011_8012	48011	8012	0.012	19.85	-0.001	0.011	-0.214	-34.689
48012_8012	48012	8012	-0.012	18.574	0.006	-0.025	0.214	34.689
48012_8013	48012	8013	0.012	0.979	-0.006	0.025	-0.289	71.743
48013_8013	48013	8013	-0.012	-0.979	0.006	-0.025	0.289	-71.743
48013_8014	48013	8014	0.012	20.532	-0.006	0.025	-0.364	-58.387
48014_8014	48014	8014	-0.012	20.021	-0.008	-0.033	0.364	58.323
48014_8015	48014	8015	0.012	5.345	0.008	0.033	-0.236	56.853
48015_8015	48015	8015	-0.012	-5.345	-0.008	-0.024	0.236	-56.853
48015_8016	48015	8016	0.012	18.68	0.008	0.024	-0.169	-42.259
48016_8016	48016	8016	-0.63	20.256	-0.02	-0.024	0.343	101.578
48016_8017	48016	8017	0.63	-1.541	0.02	0.024	-0.109	26.469
48017_8017	48017	8017	-0.63	1.541	-0.02	-0.032	0.109	-26.469
48017_8018	48017	8018	0.63	19.562	0.02	0.032	0.153	-92.905
48018_8018	48018	8018	-0.636	19.273	0.086	-0.02	-0.153	93.023
48018_8019	48018	8019	0.636	0.645	-0.086	0.02	-0.928	23.447
48019_8019	48019	8019	-0.636	-0.645	0.086	-0.018	0.928	-23.447
48019_8020	48019	8020	0.636	20.547	-0.086	0.018	-2.008	-108.939
48020_8020	48020	8020	-0.666	21.128	-0.06	-0.022	2.008	108.977
48020_8021	48020	8021	0.666	-5.999	0.06	0.022	-1.434	19.853
48021_8021	48021	8021	-0.666	5.999	-0.061	-0.016	1.434	-19.853
48021_8022	48021	8022	0.666	6.358	0.061	0.016	-0.965	18.458
48022_8022	48022	8022	-0.666	-6.358	-0.061	-0.013	0.965	-18.458
48022_8023	48022	8023	0.666	18.7	0.061	0.013	-0.495	-78.615
48023_8023	48023	8023	-0.663	19.306	-0.087	0	0.495	78.585
48023_8024	48023	8024	0.663	-6.563	0.087	0	0.205	24.887
48024_8024	48024	8024	-0.663	6.563	-0.087	-0.031	-0.205	-24.887
48024_8025	48024	8025	0.663	6.177	0.087	0.031	0.897	26.431
48025_8025	48025	8025	-0.663	-6.177	-0.087	0.002	-0.897	-26.431
48025_8026	48025	8026	0.663	18.92	0.087	-0.002	1.596	-73.952
48026_8026	48026	8026	-0.663	18.984	-0.016	-0.022	-1.596	73.952
48026_8027	48026	8027	0.663	-9.42	0.016	0.022	1.694	11.318
48027_8027	48027	8027	-0.664	9.42	-0.015	-0.038	-1.694	-11.318
48027_8028	48027	8028	0.664	0.127	0.015	0.038	1.785	39.167
48028_8028	48028	8028	-0.663	-0.127	-0.016	0.02	-1.785	-39.167
48028_8029	48028	8029	0.663	9.69	0.016	-0.02	1.883	9.695
48029_8029	48029	8029	-0.664	-9.69	-0.015	0.004	-1.883	-9.695
48029_8030	48029	8030	0.664	19.253	0.015	-0.004	1.974	-77.18
48030_8030	48030	8030	-0.664	18.529	0.051	-0.002	-1.974	77.141
48030_8031	48030	8031	0.664	-5.793	-0.051	0.002	1.566	20.088
48031_8031	48031	8031	-0.664	5.793	0.051	-0.005	-1.566	-20.088
48031_8032	48031	8032	0.664	6.958	-0.051	0.005	1.157	15.424
48032_8032	48032	8032	-0.664	-6.958	0.052	-0.022	-1.157	-15.424
48032_8033	48032	8033	0.664	19.692	-0.052	0.022	0.743	-91.101

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48033_8033	48033	8033	-0.664	18.706	0.065	0.001	-0.743	91.116
48033_8034	48033	8034	0.664	-6.36	-0.065	-0.001	0.239	6.018
48034_8034	48034	8034	-0.664	6.36	0.066	-0.007	-0.239	-6.018
48034_8035	48034	8035	0.664	5.984	-0.066	0.007	-0.273	7.478
48035_8035	48035	8035	-0.664	-5.984	0.066	-0.004	0.273	-7.478
48035_8036	48035	8036	0.664	21.114	-0.066	0.004	-0.897	-121.215
48036_8036	48036	8036	-0.677	21.066	-0.041	-0.001	0.897	121.262
48036_8037	48036	8037	0.677	-1.15	0.041	0.001	-0.387	17.63
48037_8037	48037	8037	-0.677	1.15	-0.041	0	0.387	-17.63
48037_8038	48037	8038	0.677	18.751	0.041	0	0.124	-92.323
48038_8038	48038	8038	-0.684	13.779	-0.148	0.003	-0.124	92.447
48038_8039	48038	8039	0.684	7.328	0.148	-0.003	2.086	-49.71
48039_8039	48039	8039	-0.027	2.229	0.027	0.016	-0.064	-19.028
48039_8040	48039	8040	0.027	16.141	-0.027	-0.016	-0.254	-62.737
48040_8040	48040	8040	-0.027	18.994	-0.008	0.003	0.254	62.853
48040_8041	48040	8041	0.027	-6.103	0.008	-0.003	-0.186	40.645
48041_8041	48041	8041	-0.027	6.103	-0.008	0.022	0.186	-40.645
48041_8042	48041	8042	0.027	17.763	0.008	-0.022	-0.062	-48.385
48042_8042	48042	8042	-0.026	19.061	0.009	0.014	0.062	48.575
48042_8043	48042	8043	0.026	-0.48	-0.009	-0.014	-0.163	67.588
48043_8043	48043	8043	-0.026	0.48	0.009	0.009	0.163	-67.588
48043_8044	48043	8044	0.026	18.117	-0.009	-0.009	-0.265	-37.345
48044_8044	48044	8044	-0.026	18.59	-0.002	-0.027	0.265	37.013
48044_8045	48044	8045	0.026	-0.009	0.002	0.027	-0.242	73.546
48045_8045	48045	8045	-0.026	0.009	-0.002	0.035	0.242	-73.546
48045_8046	48045	8046	0.026	18.574	0.002	-0.035	-0.219	-36.827
48046_8046	48046	8046	-0.026	18.229	-0.001	-0.032	0.219	36.592
48046_8047	48046	8047	0.026	0.344	0.001	0.032	-0.211	69.677
48047_8047	48047	8047	-0.026	-0.344	-0.001	0.021	0.211	-69.677
48047_8048	48047	8048	0.026	18.934	0.001	-0.021	-0.203	-44.975
48048_8048	48048	8048	-0.026	17.756	0.007	-0.034	0.203	44.848
48048_8049	48048	8049	0.026	0.817	-0.007	0.034	-0.283	55.797
48049_8049	48049	8049	-0.026	-0.817	0.007	0.008	0.283	-55.798
48049_8050	48049	8050	0.026	19.407	-0.007	-0.008	-0.362	-64.485
48050_8050	48050	8050	-0.027	17.572	-0.015	-0.017	0.362	64.258
48050_8051	48050	8051	0.027	6.293	0.015	0.017	-0.13	21.858
48051_8051	48051	8051	-0.027	-6.293	-0.015	-0.016	0.13	-21.858
48051_8052	48051	8052	0.027	19.183	0.015	0.016	-0.004	-83.197
48052_8052	48052	8052	-0.027	16.519	-0.017	-0.014	0.004	83.273
48052_8053	48052	8053	0.027	1.858	0.017	0.014	0.199	2.924
48053_8053	48053	8053	-0.036	2.511	-0.043	-0.011	-0.066	-4.811
48053_8054	48053	8054	0.036	17.55	0.043	0.011	0.63	-94.776
48054_8054	48054	8054	-0.042	18.454	0.098	0.002	-0.63	94.921
48054_8055	48054	8055	0.042	0.49	-0.098	-0.002	-0.59	17.414
48055_8055	48055	8055	-0.042	-0.49	0.098	-0.011	0.59	-17.414
48055_8056	48055	8056	0.042	19.418	-0.098	0.011	-1.811	-106.971
48056_8056	48056	8056	-0.027	20.019	-0.088	0.004	1.811	106.944
48056_8057	48056	8057	0.027	-5.633	0.088	-0.004	-0.975	14.877
48057_8057	48057	8057	-0.027	5.633	-0.088	-0.007	0.975	-14.877
48057_8058	48057	8058	0.027	6.11	0.088	0.007	-0.294	13.028
48058_8058	48058	8058	-0.027	-6.11	-0.088	-0.007	0.294	-13.028
48058_8059	48058	8059	0.027	17.852	0.088	0.007	0.388	-79.855
48059_8059	48059	8059	-0.027	18.515	-0.07	0.002	-0.388	79.845

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48059_8060	48059	8060	0.027	-6.397	0.07	-0.002	0.946	19.809
48060_8060	48060	8060	-0.027	6.397	-0.07	0.002	-0.946	-19.809
48060_8061	48060	8061	0.027	5.721	0.07	-0.002	1.504	22.516
48061_8061	48061	8061	-0.027	-5.721	-0.07	0.002	-1.504	-22.516
48061_8062	48061	8062	0.027	17.838	0.07	-0.002	2.062	-71.724
48062_8062	48062	8062	-0.03	18.152	-0.001	0.031	-2.062	71.477
48062_8063	48062	8063	0.03	-9.071	0.001	-0.031	2.069	10.128
48063_8063	48063	8063	-0.03	9.071	-0.001	0.031	-2.069	-10.128
48063_8064	48063	8064	0.03	0.011	0.001	-0.031	2.076	37.288
48064_8064	48064	8064	-0.03	-0.011	-0.001	-0.036	-2.076	-37.288
48064_8065	48064	8065	0.03	9.106	0.001	0.036	2.082	9.918
48065_8065	48065	8065	-0.03	-9.106	-0.001	-0.018	-2.082	-9.918
48065_8066	48065	8066	0.03	18.187	0.001	0.018	2.089	-71.897
48066_8066	48066	8066	-0.028	17.867	0.085	-0.008	-2.089	72.067
48066_8067	48066	8067	0.028	-5.738	-0.085	0.008	1.407	22.443
48067_8067	48067	8067	-0.028	5.738	0.085	-0.006	-1.407	-22.443
48067_8068	48067	8068	0.028	6.375	-0.085	0.006	0.725	19.895
48068_8068	48068	8068	-0.028	-6.375	0.085	0.019	-0.725	-19.895
48068_8069	48068	8069	0.028	18.49	-0.085	-0.019	0.044	-79.546
48069_8069	48069	8069	-0.031	17.691	0.066	0	-0.044	79.603
48069_8070	48069	8070	0.031	-5.957	-0.066	0	-0.465	11.998
48070_8070	48070	8070	-0.031	5.957	0.066	-0.001	0.465	-11.998
48070_8071	48070	8071	0.031	5.792	-0.066	0.001	-0.974	12.641
48071_8071	48071	8071	-0.031	-5.792	0.066	0.019	0.974	-12.64
48071_8072	48071	8072	0.031	20.183	-0.066	-0.019	-1.598	-110.761
48072_8072	48072	8072	-0.008	20.119	-0.044	0	1.598	110.703
48072_8073	48072	8073	0.008	-1.196	0.044	0	-1.054	22.446
48073_8073	48073	8073	-0.008	1.196	-0.044	0.017	1.054	-22.446
48073_8074	48073	8074	0.008	17.743	0.044	-0.017	-0.51	-80.999
48074_8074	48074	8074	-0.012	12.536	-0.215	0.011	0.51	81.051
48074_8075	48074	8075	0.012	7.526	0.215	-0.011	2.334	-47.872
48075_8075	48075	8075	-0.009	2.816	0.025	0.021	0.149	-34.418
48075_8076	48075	8076	0.009	14.594	-0.025	-0.021	-0.441	-34.792
48076_8076	48076	8076	-0.01	16.796	-0.019	0.04	0.441	34.806
48076_8077	48076	8077	0.01	-4.568	0.019	-0.04	-0.286	53.356
48077_8077	48077	8077	-0.01	4.568	-0.019	0.008	0.286	-53.356
48077_8078	48077	8078	0.01	15.938	0.019	-0.008	-0.025	-25.333
48078_8078	48078	8078	-0.01	16.974	0.006	-0.016	0.025	25.403
48078_8079	48078	8079	0.01	-0.414	-0.006	0.016	-0.097	71.775
48079_8079	48079	8079	-0.01	0.414	0.006	0.048	0.097	-71.775
48079_8080	48079	8080	0.01	16.146	-0.006	-0.048	-0.168	-16.155
48080_8080	48080	8080	-0.01	16.322	-0.001	0.011	0.168	16.155
48080_8081	48080	8081	0.01	0.234	0.001	-0.011	-0.158	73.738
48081_8081	48081	8081	-0.01	-0.234	-0.001	0.007	0.158	-73.738
48081_8082	48081	8082	0.01	16.804	0.001	-0.007	-0.148	-21.544
48082_8082	48082	8082	-0.01	17.548	0	0.002	0.148	21.371
48082_8083	48082	8083	0.01	0.238	0	-0.002	-0.148	82.543
48083_8083	48083	8083	-0.01	-0.238	0	-0.001	0.148	-82.543
48083_8084	48083	8084	0.01	18.039	0	0.001	-0.149	-27.268
48084_8084	48084	8084	-0.01	16.32	-0.004	-0.006	0.149	27.28
48084_8085	48084	8085	0.01	0.232	0.004	0.006	-0.11	62.591
48085_8085	48085	8085	-0.01	-0.232	-0.004	-0.009	0.11	-62.591
48085_8086	48085	8086	0.01	16.799	0.004	0.009	-0.071	-32.631

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48086_8086	48086	8086	-0.01	15.783	0.008	-0.015	0.071	32.471
48086_8087	48086	8087	0.01	0.783	-0.008	0.015	-0.158	51.399
48087_8087	48087	8087	-0.01	-0.783	0.008	-0.013	0.158	-51.399
48087_8088	48087	8088	0.01	17.335	-0.008	0.013	-0.245	-49.814
48088_8088	48088	8088	-0.01	14.93	-0.02	-0.017	0.245	49.815
48088_8089	48088	8089	0.01	4.807	0.02	0.017	0.015	17.614
48089_8089	48089	8089	-0.01	-4.807	-0.02	-0.023	-0.015	-17.614
48089_8090	48089	8090	0.01	17.025	0.02	0.023	0.177	-72.415
48090_8090	48090	8090	-0.01	15.146	-0.002	-0.015	-0.177	72.442
48090_8091	48090	8091	0.01	2.263	0.002	0.015	0.204	3.249
48091_8091	48091	8091	-0.022	1.892	-0.01	-0.015	-0.22	-5.306
48091_8092	48091	8092	0.022	17.446	0.01	0.015	0.358	-97.757
48092_8092	48092	8092	-0.019	17.96	0.04	-0.008	-0.358	97.612
48092_8093	48092	8093	0.019	0.279	-0.04	0.008	-0.141	12.883
48093_8093	48093	8093	-0.019	-0.279	0.04	-0.008	0.141	-12.883
48093_8094	48093	8094	0.019	18.518	-0.04	0.008	-0.639	-104.59
48094_8094	48094	8094	0.002	19.21	-0.049	-0.006	0.639	104.551
48094_8095	48094	8095	-0.002	-5.352	0.049	0.006	-0.174	12.078
48095_8095	48095	8095	0.002	5.352	-0.049	-0.013	0.174	-12.078
48095_8096	48095	8096	-0.002	5.966	0.049	0.013	0.206	9.696
48096_8096	48096	8096	0.002	-5.966	-0.049	0	-0.206	-9.696
48096_8097	48096	8097	-0.002	17.269	0.049	0	0.585	-80.289
48097_8097	48097	8097	0.002	17.804	0.021	-0.007	-0.585	80.284
48097_8098	48097	8098	-0.002	-6.124	-0.021	0.007	0.413	15.481
48098_8098	48098	8098	0.002	6.124	0.021	0.013	-0.413	-15.481
48098_8099	48098	8099	-0.002	5.542	-0.021	-0.013	0.242	17.807
48099_8099	48099	8099	0.002	-5.542	0.021	-0.01	-0.242	-17.807
48099_8100	48099	8100	-0.002	17.222	-0.021	0.01	0.071	-73.299
48100_8100	48100	8100	0.003	17.458	-0.001	0	-0.071	73.322
48100_8101	48100	8101	-0.003	-8.712	0.001	0	0.079	5.101
48101_8101	48101	8101	0.003	8.712	-0.001	0	-0.079	-5.101
48101_8102	48101	8102	-0.003	0.048	0.001	0	0.087	31.107
48102_8102	48102	8102	0.003	-0.048	-0.001	0	-0.087	-31.107
48102_8103	48102	8103	-0.003	8.809	0.001	0	0.094	4.521
48103_8103	48103	8103	0.003	-8.809	-0.001	-0.008	-0.094	-4.521
48103_8104	48103	8104	-0.003	17.569	0.001	0.008	0.102	-74.652
48104_8104	48104	8104	-0.007	17.13	-0.024	0.011	-0.102	74.487
48104_8105	48104	8105	0.007	-5.465	0.024	-0.011	0.294	15.82
48105_8105	48105	8105	-0.007	5.465	-0.024	-0.009	-0.294	-15.82
48105_8106	48105	8106	0.007	6.214	0.024	0.009	0.487	12.822
48106_8106	48106	8106	-0.007	-6.214	-0.024	-0.009	-0.487	-12.822
48106_8107	48106	8107	0.007	17.878	0.024	0.009	0.679	-83.467
48107_8107	48107	8107	-0.009	17.104	0.041	0.005	-0.679	83.494
48107_8108	48107	8108	0.009	-5.79	-0.041	-0.005	0.363	5.258
48108_8108	48108	8108	-0.009	5.79	0.041	0.005	-0.363	-5.258
48108_8109	48108	8109	0.009	5.525	-0.041	-0.005	0.047	6.286
48109_8109	48109	8109	-0.008	-5.525	0.041	-0.003	-0.047	-6.286
48109_8110	48109	8110	0.008	19.379	-0.041	0.003	-0.339	-111.927
48110_8110	48110	8110	-0.033	19.219	-0.011	0.011	0.339	111.98
48110_8111	48110	8111	0.033	-0.973	0.011	-0.011	-0.198	14.259
48111_8111	48111	8111	-0.033	0.973	-0.011	0	0.198	-14.259
48111_8112	48111	8112	0.033	17.273	0.011	0	-0.056	-87.649
48112_8112	48112	8112	-0.035	12.158	-0.109	0.013	0.056	87.675

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48112_8113	48112	8113	0.035	7.168	0.109	-0.013	1.384	-54.634
48113_8113	48113	8113	-0.02	2.392	0.015	0.011	0.119	-21.407
48113_8114	48113	8114	0.02	14.721	-0.015	-0.011	-0.294	-51.045
48114_8114	48114	8114	-0.021	17.036	-0.009	-0.034	0.294	51.055
48114_8115	48114	8115	0.021	-5.022	0.009	0.034	-0.221	39.949
48115_8115	48115	8115	-0.021	5.022	-0.009	0.048	0.221	-39.949
48115_8116	48115	8116	0.021	15.133	0.009	-0.048	-0.098	-30.032
48116_8116	48116	8116	-0.021	16.872	0.004	0.045	0.098	30.051
48116_8117	48116	8117	0.021	-0.606	-0.004	-0.045	-0.145	67.581
48117_8117	48117	8117	-0.02	0.606	0.004	-0.017	0.145	-67.581
48117_8118	48117	8118	0.02	15.675	-0.004	0.017	-0.192	-16.672
48118_8118	48118	8118	-0.021	16.207	-0.004	0.039	0.192	16.672
48118_8119	48118	8119	0.021	0.072	0.004	-0.039	-0.143	73.535
48119_8119	48119	8119	-0.021	-0.072	-0.004	-0.025	0.143	-73.535
48119_8120	48119	8120	0.021	16.337	0.004	0.025	-0.094	-18.119
48120_8120	48120	8120	-0.021	17.378	-0.001	0.034	0.094	18.371
48120_8121	48120	8121	0.021	0.11	0.001	-0.034	-0.081	85.337
48121_8121	48121	8121	-0.021	-0.11	-0.001	-0.037	0.081	-85.337
48121_8122	48121	8122	0.021	17.598	0.001	0.037	-0.07	-21.008
48122_8122	48122	8122	-0.021	16.119	-0.004	0.021	0.07	21.008
48122_8123	48122	8123	0.021	0.16	0.004	-0.021	-0.026	68.21
48123_8123	48123	8123	-0.021	-0.16	-0.004	-0.04	0.026	-68.21
48123_8124	48123	8124	0.021	16.438	0.004	0.04	0.017	-24.576
48124_8124	48124	8124	-0.021	15.494	0	-0.015	-0.017	24.585
48124_8125	48124	8125	0.021	0.77	0	0.015	0.022	57.648
48125_8125	48125	8125	-0.021	-0.77	0	-0.016	-0.022	-57.648
48125_8126	48125	8126	0.021	17.049	0	0.016	0.026	-41.968
48126_8126	48126	8126	-0.021	14.682	-0.009	-0.026	-0.026	42.154
48126_8127	48126	8127	0.021	4.916	0.009	0.026	0.147	23.576
48127_8127	48127	8127	-0.021	-4.916	-0.009	-0.006	-0.147	-23.576
48127_8128	48127	8128	0.021	16.927	0.009	0.006	0.221	-66.529
48128_8128	48128	8128	-0.024	14.849	-0.029	-0.009	-0.221	66.362
48128_8129	48128	8129	0.024	2.259	0.029	0.009	0.561	7.61
48129_8129	48129	8129	-0.038	2.117	-0.073	-0.016	-0.644	-9.307
48129_8130	48129	8130	0.038	17.181	0.073	0.016	1.615	-90.491
48130_8130	48130	8130	-0.023	17.214	0.096	-0.008	-1.615	90.38
48130_8131	48130	8131	0.023	0.992	-0.096	0.008	0.418	11.007
48131_8131	48131	8131	-0.023	-0.992	0.096	-0.008	-0.418	-11.007
48131_8132	48131	8132	0.023	19.198	-0.096	0.008	-0.779	-115.18
48132_8132	48132	8132	-2.297	18.199	-0.016	-0.02	0.779	82.698
48132_8133	48132	8133	2.297	-4.362	0.016	0.02	-0.629	24.466
48133_8133	48133	8133	-2.297	4.362	-0.019	0.017	0.629	-24.466
48133_8134	48133	8134	2.297	6.926	0.019	-0.017	-0.48	14.532
48134_8134	48134	8134	-2.297	-6.926	-0.016	-0.002	0.48	-14.532
48134_8135	48134	8135	2.297	18.213	0.016	0.002	-0.354	-82.88
48135_8135	48135	8135	-2.297	18.113	0.047	-0.011	0.354	83.052
48135_8136	48135	8136	2.297	-6.461	-0.047	0.011	-0.727	15.245
48136_8136	48136	8136	-2.297	6.461	0.047	-0.011	0.727	-15.245
48136_8137	48136	8137	2.297	5.191	-0.047	0.011	-1.1	20.328
48137_8137	48137	8137	-2.297	-5.191	0.044	0.015	1.1	-20.328
48137_8138	48137	8138	2.297	16.842	-0.044	-0.015	-1.45	-67.804
48138_8138	48138	8138	-2.297	17.32	-0.05	-0.021	1.45	67.803
48138_8139	48138	8139	2.297	-8.581	0.05	0.021	-1.15	9.901

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48139_8139	48139	8139	-2.297	8.581	-0.046	-0.038	1.15	-9.901
48139_8140	48139	8140	2.297	0.158	0.046	0.038	-0.873	35.171
48140_8140	48140	8140	-2.297	-0.158	-0.05	0.021	0.873	-35.171
48140_8141	48140	8141	2.297	8.897	0.05	-0.021	-0.573	8.009
48141_8141	48141	8141	-2.297	-8.897	-0.05	0.021	0.573	-8.009
48141_8142	48141	8142	2.297	17.635	0.05	-0.021	-0.273	-71.587
48142_8142	48142	8142	-2.297	17.036	-0.038	-0.015	0.273	71.587
48142_8143	48142	8143	2.297	-5.384	0.038	0.015	0.028	18.09
48143_8143	48143	8143	-2.297	5.384	-0.041	0.007	-0.028	-18.09
48143_8144	48143	8144	2.297	6.268	0.041	-0.007	0.353	14.553
48144_8144	48144	8144	-2.297	-6.268	-0.038	-0.011	-0.353	-14.553
48144_8145	48144	8145	2.297	17.92	0.038	0.011	0.654	-82.199
48145_8145	48145	8145	-2.297	17.064	0.008	-0.006	-0.654	82.199
48145_8146	48145	8146	2.297	-5.776	-0.008	0.006	0.595	6.307
48146_8146	48146	8146	-2.297	5.776	0.005	0.002	-0.595	-6.307
48146_8147	48146	8147	2.297	5.511	-0.005	-0.002	0.559	7.334
48147_8147	48147	8147	-2.297	-5.511	0.006	-0.003	-0.559	-7.334
48147_8148	48147	8148	2.297	19.348	-0.006	0.003	0.5	-110.749
48148_8148	48148	8148	-2.297	19.394	0.013	-0.005	-0.5	110.748
48148_8149	48148	8149	2.297	-1.188	-0.013	0.005	0.332	17.894
48149_8149	48149	8149	-2.297	1.188	0.012	0.009	-0.332	-17.894
48149_8150	48149	8150	2.297	17.018	-0.012	-0.009	0.187	-81.038
48150_8150	48150	8150	-2.297	10.848	-0.037	0.014	-0.187	81.038
48150_8151	48150	8151	2.297	8.451	0.037	-0.014	0.671	-65.159
48151_8151	48151	8151	-1.39	2.713	0.002	0.004	-0.169	-27.748
48151_8152	48151	8152	1.39	15.137	-0.002	-0.004	0.144	-45.242
48152_8152	48152	8152	-1.39	17.509	0.003	0.035	-0.144	45.242
48152_8153	48152	8153	1.39	-4.976	-0.003	-0.035	0.121	47.506
48153_8153	48153	8153	-1.39	4.976	0.004	0	-0.121	-47.506
48153_8154	48153	8154	1.39	15.913	-0.004	0	0.068	-27.691
48154_8154	48154	8154	-1.39	17.32	0.004	-0.023	-0.068	27.691
48154_8155	48154	8155	1.39	-0.609	-0.004	0.023	0.03	70.923
48155_8155	48155	8155	-1.39	0.609	0.002	0.042	-0.03	-70.923
48155_8156	48155	8156	1.39	16.102	-0.002	-0.042	0.005	-14.285
48156_8156	48156	8156	-1.39	15.581	0.002	0.003	-0.005	14.284
48156_8157	48156	8157	1.39	-0.389	-0.002	-0.003	-0.018	65.569
48157_8157	48157	8157	-1.39	0.389	0.002	0.003	0.018	-65.569
48157_8158	48157	8158	1.39	14.802	-0.002	-0.003	-0.041	-6.496
48158_8158	48158	8158	-1.39	14.354	0.002	-0.035	0.041	6.495
48158_8159	48158	8159	1.39	0.838	-0.002	0.035	-0.061	61.084
48159_8159	48159	8159	-1.39	-0.838	0.001	0.026	0.061	-61.084
48159_8160	48159	8160	1.39	16.03	-0.001	-0.026	-0.067	-23.255
48160_8160	48160	8160	-1.39	15.654	0.001	0.015	0.067	23.439
48160_8161	48160	8161	1.39	1.057	-0.001	-0.015	-0.075	56.848
48161_8161	48161	8161	-1.39	-1.057	0.002	-0.037	0.075	-56.848
48161_8162	48161	8162	1.39	17.768	-0.002	0.037	-0.097	-46.685
48162_8162	48162	8162	-1.39	15.619	-0.002	-0.021	0.097	46.685
48162_8163	48162	8163	1.39	5.27	0.002	0.021	-0.073	24.462
48163_8163	48163	8163	-1.39	-5.27	-0.003	-0.003	0.073	-24.462
48163_8164	48163	8164	1.39	17.803	0.003	0.003	-0.05	-70.716
48164_8164	48164	8164	-1.39	15.551	0.007	-0.013	0.05	70.716
48164_8165	48164	8165	1.39	2.299	-0.007	0.013	-0.127	7.138
48165_8165	48165	8165	-1.687	2.392	-0.019	-0.008	0.226	-8.656

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48165_8166	48165	8166	1.687	18.273	0.019	0.008	0.03	-96.555
48166_8166	48166	8166	-1.686	18.969	0.005	0.005	-0.03	96.418
48166_8167	48166	8167	1.686	0.527	-0.005	-0.005	-0.033	18.845
48167_8167	48167	8167	-1.686	-0.527	0.006	-0.01	0.033	-18.845
48167_8168	48167	8168	1.686	20.023	-0.006	0.01	-0.112	-109.592
48168_8168	48168	8168	-1.68	20.634	-0.004	0	0.112	109.478
48168_8169	48168	8169	1.68	-5.817	0.004	0	-0.07	16.167
48169_8169	48169	8169	-1.68	5.817	-0.006	0.011	0.07	-16.167
48169_8170	48169	8170	1.68	6.27	0.006	-0.011	-0.027	14.412
48170_8170	48170	8170	-1.68	-6.27	-0.003	-0.007	0.027	-14.412
48170_8171	48170	8171	1.68	18.358	0.003	0.007	0	-81.022
48171_8171	48171	8171	-1.677	19.114	0.003	-0.005	0	80.874
48171_8172	48171	8172	1.677	-6.636	-0.003	0.005	-0.021	22.126
48172_8172	48172	8172	-1.677	6.636	0.001	0.023	0.021	-22.126
48172_8173	48172	8173	1.677	5.841	-0.001	-0.023	-0.026	25.306
48173_8173	48173	8173	-1.677	-5.841	0.003	-0.009	0.026	-25.306
48173_8174	48173	8174	1.677	18.319	-0.003	0.009	-0.047	-71.333
48174_8174	48174	8174	-1.678	18.671	-0.002	0.028	0.047	71.169
48174_8175	48174	8175	1.678	-9.313	0.002	-0.028	-0.038	12.781
48175_8175	48175	8175	-1.678	9.313	-0.002	0.028	0.038	-12.781
48175_8176	48175	8176	1.678	0.045	0.002	-0.028	-0.029	40.583
48176_8176	48176	8176	-1.678	-0.045	0.001	-0.04	0.029	-40.583
48176_8177	48176	8177	1.678	9.404	-0.001	0.04	-0.036	12.236
48177_8177	48177	8177	-1.678	-9.404	-0.002	-0.019	0.036	-12.236
48177_8178	48177	8178	1.678	18.762	0.002	0.019	-0.027	-72.26
48178_8178	48178	8178	-1.678	18.289	-0.008	0.017	0.027	72.097
48178_8179	48178	8179	1.678	-5.812	0.008	-0.017	0.033	24.306
48179_8179	48179	8179	-1.678	5.812	-0.005	-0.014	-0.033	-24.306
48179_8180	48179	8180	1.678	6.666	0.005	0.014	0.077	20.889
48180_8180	48180	8180	-1.678	-6.666	-0.005	-0.014	-0.077	-20.889
48180_8181	48180	8181	1.678	19.143	0.005	0.014	0.121	-82.348
48181_8181	48181	8181	-1.675	18.167	0.008	0.007	-0.121	82.204
48181_8182	48181	8182	1.675	-6.079	-0.008	-0.007	0.059	11.749
48182_8182	48182	8182	-1.675	6.079	0.01	-0.008	-0.059	-11.749
48182_8183	48182	8183	1.675	6.008	-0.01	0.008	-0.02	12.022
48183_8183	48183	8183	-1.675	-6.008	0.009	-0.001	0.02	-12.022
48183_8184	48183	8184	1.675	20.825	-0.009	0.001	-0.107	-115.439
48184_8184	48184	8184	-1.665	20.726	-0.02	0.013	0.107	115.334
48184_8185	48184	8185	1.665	-1.23	0.02	-0.013	0.144	21.89
48185_8185	48185	8185	-1.665	1.23	-0.019	-0.005	-0.144	-21.89
48185_8186	48185	8186	1.665	18.266	0.019	0.005	0.379	-84.587
48186_8186	48186	8186	-1.663	12.962	0.022	0.003	-0.379	84.467
48186_8187	48186	8187	1.663	7.703	-0.022	-0.003	0.092	-49.627
48187_8187	48187	8187	-1.304	3.159	0.001	0.021	-0.044	-38.699
48187_8188	48187	8188	1.304	15.957	-0.001	-0.021	0.03	-36.495
48188_8188	48188	8188	-1.304	18.32	0.002	-0.003	-0.03	36.334
48188_8189	48188	8189	1.304	-4.899	-0.002	0.003	0.014	59.445
48189_8189	48189	8189	-1.304	4.899	0.001	0.026	-0.014	-59.445
48189_8190	48189	8190	1.304	17.471	-0.001	-0.026	-0.003	-26.988
48190_8190	48190	8190	-1.305	18.386	0.003	0.045	0.003	26.799
48190_8191	48190	8191	1.305	-0.49	-0.003	-0.045	-0.036	77.016
48191_8191	48191	8191	-1.305	0.49	0.004	-0.025	0.036	-77.016
48191_8192	48191	8192	1.305	17.406	-0.004	0.025	-0.083	-16.022

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48192_8192	48192	8192	-1.304	16.524	0	0.003	0.083	15.827
48192_8193	48192	8193	1.304	-0.32	0	-0.003	-0.082	68.054
48193_8193	48193	8193	-1.304	0.32	0	0.003	0.082	-68.054
48193_8194	48193	8194	1.304	15.9	0	-0.003	-0.081	-9.614
48194_8194	48194	8194	-1.304	15.254	0.001	-0.004	0.081	9.615
48194_8195	48194	8195	1.304	0.966	-0.001	0.004	-0.093	61.611
48195_8195	48195	8195	-1.304	-0.966	0.001	-0.004	0.093	-61.611
48195_8196	48195	8196	1.304	17.186	-0.001	0.004	-0.105	-28.877
48196_8196	48196	8196	-1.304	16.717	-0.002	-0.011	0.105	28.682
48196_8197	48196	8197	1.304	1.179	0.002	0.011	-0.088	56.776
48197_8197	48197	8197	-1.304	-1.179	-0.002	-0.011	0.088	-56.776
48197_8198	48197	8198	1.304	19.075	0.002	0.011	-0.071	-54.619
48198_8198	48198	8198	-1.305	16.841	0.001	-0.021	0.071	54.429
48198_8199	48198	8199	1.305	5.528	-0.001	0.021	-0.079	23.35
48199_8199	48199	8199	-1.305	-5.528	0	-0.004	0.079	-23.35
48199_8200	48199	8200	1.305	18.934	0	0.004	-0.076	-77.433
48200_8200	48200	8200	-1.304	16.816	-0.006	-0.014	0.076	77.601
48200_8201	48200	8201	1.304	2.3	0.006	0.014	-0.004	7.682
48201_8201	48201	8201	-1.485	2.715	-0.041	-0.009	0.183	-10.707
48201_8202	48201	8202	1.485	19.683	0.041	0.009	0.36	-101.706
48202_8202	48202	8202	-1.492	20.46	0.057	-0.003	-0.36	101.857
48202_8203	48202	8203	1.492	0.671	-0.057	0.003	-0.351	21.826
48203_8203	48203	8203	-1.492	-0.671	0.057	-0.003	0.351	-21.826
48203_8204	48203	8204	1.492	21.802	-0.057	0.003	-1.062	-118.629
48204_8204	48204	8204	-1.52	22.383	-0.044	0.003	1.062	118.687
48204_8205	48204	8205	1.52	-6.324	0.044	-0.003	-0.644	17.671
48205_8205	48205	8205	-1.52	6.324	-0.043	-0.007	0.644	-17.671
48205_8206	48205	8206	1.52	6.777	0.043	0.007	-0.31	15.913
48206_8206	48206	8206	-1.52	-6.777	-0.043	-0.007	0.31	-15.913
48206_8207	48206	8207	1.52	19.879	0.043	0.007	0.024	-87.379
48207_8207	48207	8207	-1.529	20.619	-0.028	0.001	-0.024	87.528
48207_8208	48207	8208	1.529	-7.095	0.028	-0.001	0.251	23.331
48208_8208	48208	8208	-1.529	7.095	-0.028	0.001	-0.251	-23.331
48208_8209	48208	8209	1.529	6.428	0.028	-0.001	0.478	26
48209_8209	48209	8209	-1.529	-6.428	-0.028	0.001	-0.478	-26
48209_8210	48209	8210	1.529	19.952	0.028	-0.001	0.704	-79.522
48210_8210	48210	8210	-1.519	20.274	-0.01	0.029	-0.704	79.715
48210_8211	48210	8211	1.519	-10.131	0.01	-0.029	0.762	11.499
48211_8211	48211	8211	-1.519	10.131	-0.01	0.029	-0.762	-11.499
48211_8212	48211	8212	1.519	0.012	0.01	-0.029	0.821	41.856
48212_8212	48212	8212	-1.519	-0.012	-0.007	-0.04	-0.821	-41.856
48212_8213	48212	8213	1.519	10.155	0.007	0.04	0.864	11.356
48213_8213	48213	8213	-1.519	-10.155	-0.01	-0.021	-0.864	-11.356
48213_8214	48213	8214	1.519	20.298	0.01	0.021	0.922	-80.002
48214_8214	48214	8214	-1.506	19.968	0.015	-0.002	-0.922	80.206
48214_8215	48214	8215	1.506	-6.444	-0.015	0.002	0.806	25.445
48215_8215	48215	8215	-1.506	6.444	0.015	-0.002	-0.806	-25.445
48215_8216	48215	8216	1.506	7.08	-0.015	0.002	0.689	22.902
48216_8216	48216	8216	-1.506	-7.08	0.015	-0.002	-0.689	-22.902
48216_8217	48216	8217	1.506	20.604	-0.015	0.002	0.573	-87.835
48217_8217	48217	8217	-1.505	19.661	0.045	0.004	-0.573	87.823
48217_8218	48217	8218	1.505	-6.56	-0.045	-0.004	0.221	13.787
48218_8218	48218	8218	-1.505	6.56	0.045	0.004	-0.221	-13.787

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48218_8219	48218	8219	1.505	6.541	-0.045	-0.004	-0.131	13.86
48219_8219	48219	8219	-1.505	-6.541	0.045	0.005	0.131	-13.86
48219_8220	48219	8220	1.505	22.601	-0.045	-0.005	-0.56	-124.569
48220_8220	48220	8220	-1.505	22.456	0.026	0.004	0.56	124.594
48220_8221	48220	8221	1.505	-1.336	-0.026	-0.004	-0.888	24.036
48221_8221	48221	8221	-1.505	1.336	0.026	0.004	0.888	-24.036
48221_8222	48221	8222	1.505	19.802	-0.026	-0.004	-1.216	-91.418
48222_8222	48222	8222	-1.514	14.916	-0.449	0.007	1.216	91.405
48222_8223	48222	8223	1.514	7.49	0.449	-0.007	4.73	-42.189
48223_8223	48223	8223	-0.424	2.955	0.016	0.014	-0.256	-32.795
48223_8224	48223	8224	0.424	17.737	-0.016	-0.014	0.074	-54.006
48224_8224	48224	8224	-0.425	20.416	0.018	0.049	-0.074	53.836
48224_8225	48224	8225	0.425	-5.887	-0.018	-0.049	-0.074	54.606
48225_8225	48225	8225	-0.425	5.887	0.018	-0.011	0.074	-54.606
48225_8226	48225	8226	0.425	20.069	-0.018	0.011	-0.345	-49.854
48226_8226	48226	8226	-0.425	20.619	-0.002	0.22	0.345	49.791
48226_8227	48226	8227	0.425	-0.377	0.002	-0.22	-0.32	70.813
48227_8227	48227	8227	-0.425	0.377	0	-0.211	0.32	-70.813
48227_8228	48227	8228	0.425	19.871	0	0.211	-0.324	-41.192
48228_8228	48228	8228	-0.425	19.866	0.009	0.028	0.324	41.35
48228_8229	48228	8229	0.425	0.387	-0.009	-0.028	-0.424	70.601
48229_8229	48229	8229	-0.425	-0.387	0.009	-0.037	0.424	-70.601
48229_8230	48229	8230	0.425	20.624	-0.009	0.037	-0.529	-50.056
48230_8230	48230	8230	-0.425	20.6	0.008	0.28	0.529	50.082
48230_8231	48230	8231	0.425	0.694	-0.008	-0.28	-0.624	70.209
48231_8231	48231	8231	-0.425	-0.694	0.011	-0.304	0.624	-70.209
48231_8232	48231	8232	0.425	21.98	-0.011	0.304	-0.762	-66.748
48232_8232	48232	8232	-0.422	20.782	-0.029	-0.021	0.762	66.858
48232_8233	48232	8233	0.422	2.911	0.029	0.021	-0.377	53.298
48233_8233	48233	8233	-0.422	-2.911	-0.029	-0.004	0.377	-53.298
48233_8234	48233	8234	0.422	20.283	0.029	0.004	-0.094	-61.042
48234_8234	48234	8234	-0.114	15.094	0.013	0.034	0.094	55.45
48234_8235	48234	8235	0.114	2.667	-0.013	-0.034	-0.223	7.185
48235_8235	48235	8235	-0.083	1.451	-0.036	-0.062	1.09	-1.188
48235_8236	48235	8236	0.083	16.184	0.036	0.062	-0.748	-68.191
48236_8236	48236	8236	-0.089	17.71	0.106	-0.079	0.748	68.12
48236_8237	48236	8237	0.089	-0.563	-0.106	0.079	-1.722	15.541
48237_8237	48237	8237	-0.09	0.563	0.106	0.056	1.722	-15.541
48237_8238	48237	8238	0.09	18.788	-0.106	-0.056	-2.812	-78.622
48238_8238	48238	8238	-0.078	22.478	-0.115	0.01	2.812	78.558
48238_8239	48238	8239	0.078	7.284	0.115	-0.01	-0.987	42.182
48239_8239	48239	8239	-0.078	-7.284	-0.115	-0.023	0.987	-42.182
48239_8240	48239	8240	0.078	23.387	0.115	0.023	0	-89.69
48240_8240	48240	8240	-0.078	20.919	-0.105	-0.003	0	89.718
48240_8241	48240	8241	0.078	-1.646	0.105	0.003	1.085	26.404
48241_8241	48241	8241	-0.078	1.646	-0.106	0.008	-1.085	-26.404
48241_8242	48241	8242	0.078	15.839	0.106	-0.008	2.071	-39.863
48242_8242	48242	8242	-0.069	17.54	-0.059	-0.009	-2.071	39.691
48242_8243	48242	8243	0.069	1.998	0.059	0.009	2.689	41.386
48243_8243	48243	8243	-0.069	-1.998	-0.059	0.021	-2.689	-41.386
48243_8244	48243	8244	0.069	19.202	0.059	-0.021	3.234	-56
48244_8244	48244	8244	-0.074	18.878	0.101	0.184	-3.234	55.99
48244_8245	48244	8245	0.074	-1.196	-0.101	-0.184	2.281	38.789

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48245_8245	48245	8245	-0.074	1.196	0.102	-0.162	-2.281	-38.789
48245_8246	48245	8246	0.074	17.858	-0.102	0.162	1.247	-45.985
48246_8246	48246	8246	-0.074	15.855	-0.229	0.001	-1.247	46.162
48246_8247	48246	8247	0.074	2.766	0.229	-0.001	3.526	18.919
48247_8247	48247	8247	-0.074	-2.766	-0.229	0.006	-3.526	-18.919
48247_8248	48247	8248	0.074	20.898	0.229	-0.006	5.746	-95.651
48248_8248	48248	8248	-0.086	22.56	0.507	0.249	-5.746	95.747
48248_8249	48248	8249	0.086	-0.08	-0.507	-0.249	-0.336	40.154
48249_8249	48249	8249	-0.08	0.08	0.508	-0.233	0.336	-40.154
48249_8250	48249	8250	0.08	23.317	-0.508	0.233	-6.678	-105.013
48250_8250	48250	8250	-0.088	21.712	-0.349	0.016	6.678	105.058
48250_8251	48250	8251	0.088	-0.912	0.349	-0.016	-2.804	20.592
48251_8251	48251	8251	-0.088	0.912	-0.349	-0.004	2.804	-20.592
48251_8252	48251	8252	0.088	18.777	0.349	0.004	0.862	-73.327
48252_8252	48252	8252	-0.096	16.522	0.088	-0.012	-0.862	73.272
48252_8253	48252	8253	0.096	6.145	-0.088	0.012	-0.206	-10.463
48253_8253	48253	8253	-0.096	-6.145	0.089	0.038	0.206	10.463
48253_8254	48253	8254	0.096	23.976	-0.089	-0.038	-1.051	-153.867
48254_8254	48254	8254	0.023	22.963	-0.019	-0.01	0.535	42.049
48254_8255	48254	8255	-0.023	0.425	0.019	0.01	-0.306	91.317
48255_8255	48255	8255	0.023	-0.425	-0.019	0.06	0.306	-91.317
48255_8256	48255	8256	-0.023	25.446	0.019	-0.06	-0.061	-72.454
48256_8256	48256	8256	0.023	23.622	0.025	0.272	0.061	72.47
48256_8257	48256	8257	-0.023	-0.577	-0.025	-0.272	-0.349	68.621
48257_8257	48257	8257	0.024	0.577	0.025	-0.24	0.349	-68.621
48257_8258	48257	8258	-0.024	21.952	-0.025	0.24	-0.628	-53.217
48258_8258	48258	8258	0.023	22.358	0.009	0.012	0.628	53.048
48258_8259	48258	8259	-0.023	0.848	-0.009	-0.012	-0.731	73.24
48259_8259	48259	8259	0.023	-0.848	0.009	-0.004	0.731	-73.24
48259_8260	48259	8260	-0.023	23.196	-0.009	0.004	-0.831	-62.703
48260_8260	48260	8260	0.023	22.022	0.005	0.392	0.831	62.9
48260_8261	48260	8261	-0.023	-4.09	-0.005	-0.392	-0.877	55.564
48261_8261	48261	8261	0.023	4.09	0.005	-0.274	0.877	-55.565
48261_8262	48261	8262	-0.023	23.557	-0.005	0.274	-0.946	-80.597
48262_8262	48262	8262	0.017	22.744	-0.001	-0.044	0.946	80.309
48262_8263	48262	8263	-0.017	2.401	0.001	0.044	-0.937	49.104
48263_8263	48263	8263	0.017	-2.401	-0.001	-0.003	0.937	-49.104
48263_8264	48263	8264	-0.017	24.343	0.001	0.003	-0.93	-99.357
48264_8264	48264	8264	0.016	23.793	0.014	-0.025	0.93	99.407
48264_8265	48264	8265	-0.016	0.08	-0.014	0.025	-1.101	43.821
48265_8265	48265	8265	0.319	1.653	8.388	-2.463	-98.422	89.404
48265_8266	48265	8266	-0.319	23.542	-8.388	2.463	-8.515	-228.937
48266_8266	48266	8266	-0.003	24.926	-0.358	-1.629	8.515	228.835
48266_8267	48266	8267	0.003	-4.217	0.358	1.629	-4.767	-76.142
48267_8267	48267	8267	-0.003	4.217	-0.358	-1.725	4.767	76.14
48267_8268	48267	8268	0.003	12.379	0.358	1.725	-1.763	-110.409
48268_8268	48268	8268	0.001	22.625	-0.165	0.045	1.763	110.386
48268_8269	48268	8269	-0.001	2.901	0.165	-0.045	0.334	14.992
48269_8269	48269	8269	0	-2.901	-0.165	-0.078	-0.334	-14.991
48269_8270	48269	8270	0	23.871	0.165	0.078	2.057	-124.816
48270_8270	48270	8270	0.003	29.094	0.087	0.007	-2.057	124.728
48270_8271	48270	8271	-0.003	-5.616	-0.087	-0.007	1.044	78.22
48271_8271	48271	8271	0.003	5.616	0.087	-0.016	-1.044	-78.22

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48271_8272	48271	8272	-0.003	18.599	-0.087	0.016	0	-0.07
48372_8372	48372	8372	-0.008	14.625	-0.176	-0.021	0	-0.08
48372_8373	48372	8373	0.008	3.897	0.176	0.021	2.183	66.578
48373_8373	48373	8373	-0.007	-3.897	-0.176	0.013	-2.183	-66.578
48373_8374	48373	8374	0.007	20.925	0.176	-0.013	4.189	-74.862
48374_8374	48374	8374	0.051	14.91	0.158	-0.003	-4.189	74.755
48374_8375	48374	8375	-0.051	0.779	-0.158	0.003	2.528	-0.566
48375_8375	48375	8375	0.051	-0.779	0.158	-0.003	-2.528	0.566
48375_8376	48375	8376	-0.051	15.129	-0.158	0.003	1.009	-76.952
48376_8376	48376	8376	0.114	18.257	0.175	0.213	-1.009	77.368
48376_8377	48376	8377	-0.114	-1.001	-0.175	-0.213	-1.009	33.842
48377_8377	48377	8377	0.117	1.001	0.173	-0.221	1.009	-33.842
48377_8378	48377	8378	-0.117	17.232	-0.173	0.221	-3.125	-65.195
48378_8378	48378	8378	0.111	16.567	-0.166	0.002	3.125	65.08
48378_8379	48378	8379	-0.111	1.948	0.166	-0.002	-1.074	25.491
48379_8379	48379	8379	0.111	-1.948	-0.165	0.008	1.074	-25.491
48379_8380	48379	8380	-0.111	18.69	0.165	-0.008	0.78	-90.138
48380_8380	48380	8380	0.068	17.253	0.017	0.041	-0.78	89.357
48380_8381	48380	8381	-0.068	-1.715	-0.017	-0.041	0.605	9.267
48381_8381	48381	8381	0.068	1.715	0.016	-0.017	-0.605	-9.267
48381_8382	48381	8382	-0.068	13.033	-0.016	0.017	0.443	-46.587
48382_8382	48382	8382	0.065	16.461	-0.008	0.04	-0.443	46.688
48382_8383	48382	8383	-0.065	0.213	0.008	-0.04	0.538	43.966
48383_8383	48383	8383	0.065	-0.213	-0.009	0.002	-0.538	-43.966
48383_8384	48383	8384	-0.065	17.426	0.009	-0.002	0.636	-57.64
48384_8384	48384	8384	0.064	15.586	0.009	-0.006	-0.168	24.197
48384_8385	48384	8385	-0.064	0.938	-0.009	0.006	0.062	57.478
48385_8385	48385	8385	0.064	-0.938	0.01	0.056	-0.062	-57.478
48385_8386	48385	8386	-0.064	17.473	-0.01	-0.056	-0.044	-45.247
48386_8386	48386	8386	0.063	18.057	0.007	0.255	0.044	44.959
48386_8387	48386	8387	-0.063	-1.639	-0.007	-0.255	-0.122	64.153
48387_8387	48387	8387	0.063	1.639	0.007	-0.172	0.122	-64.153
48387_8388	48387	8388	-0.063	17.139	-0.007	0.172	-0.206	-34.059
48388_8388	48388	8388	0.065	17.835	-0.001	0	0.206	34.645
48388_8389	48388	8389	-0.065	0.058	0.001	0	-0.189	72.693
48389_8389	48389	8389	0.065	-0.058	-0.001	0.043	0.189	-72.693
48389_8390	48389	8390	-0.065	17.37	0.001	-0.043	-0.173	-29.116
48390_8390	48390	8390	0.065	17.562	0	0.236	0.173	29.266
48390_8391	48390	8391	-0.065	1.28	0	-0.236	-0.179	74.253
48391_8391	48391	8391	0.065	-1.28	0	-0.245	0.179	-74.253
48391_8392	48391	8392	-0.065	17.644	0	0.245	-0.18	-30.237
48392_8392	48392	8392	0.065	17.432	0.008	-0.018	0.18	29.924
48392_8393	48392	8393	-0.065	-0.562	-0.008	0.018	-0.274	72.507
48393_8393	48393	8393	0.065	0.562	0.008	0.019	0.274	-72.507
48393_8394	48393	8394	-0.065	17.76	-0.008	-0.019	-0.378	-33.818
48394_8394	48394	8394	0.064	16.898	-0.029	0.233	0.378	33.446
48394_8395	48394	8395	-0.064	0.717	0.029	-0.233	-0.028	62.73
48395_8395	48395	8395	0.064	-0.717	-0.03	-0.257	0.028	-62.73
48395_8396	48395	8396	-0.064	18.277	0.03	0.257	0.326	-49.822
48396_8396	48396	8396	0.07	18.149	0.114	-0.045	-0.326	50.216
48396_8397	48396	8397	-0.07	-0.388	-0.114	0.045	-1.037	60.885
48397_8397	48397	8397	0.07	0.388	0.114	0.003	1.037	-60.885
48397_8398	48397	8398	-0.07	17.032	-0.114	-0.003	-2.375	-36.95

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48398_8398	48398	8398	0.051	11.132	-0.237	-0.017	2.375	37.023
48398_8399	48398	8399	-0.051	3.727	0.237	0.017	0	0.104
48572_8572	48572	8572	-0.005	14.574	-0.171	0.002	0	0.029
48572_8573	48572	8573	0.005	3.954	0.171	-0.002	2.117	65.819
48573_8573	48573	8573	-0.005	-3.954	-0.171	-0.009	-2.117	-65.819
48573_8574	48573	8574	0.005	20.868	0.171	0.009	4.049	-74.67
48574_8574	48574	8574	0.013	14.857	0.122	-0.003	-4.049	74.636
48574_8575	48574	8575	-0.013	0.548	-0.122	0.003	2.789	-0.874
48575_8575	48575	8575	0.013	-0.548	0.122	-0.002	-2.789	0.874
48575_8576	48575	8576	-0.013	14.736	-0.122	0.002	1.629	-73.442
48576_8576	48576	8576	-0.041	17.916	0.237	0.226	-1.629	73.087
48576_8577	48576	8577	0.041	-0.592	-0.237	-0.226	-1.118	34.204
48577_8577	48577	8577	-0.038	0.592	0.237	-0.192	1.118	-34.204
48577_8578	48577	8578	0.038	17.891	-0.237	0.192	-4.055	-72.791
48578_8578	48578	8578	-0.056	17.316	-0.233	-0.02	4.055	72.845
48578_8579	48578	8579	0.056	0.795	0.233	0.02	-1.231	27.28
48579_8579	48579	8579	-0.056	-0.795	-0.233	-0.003	1.231	-27.28
48579_8580	48579	8580	0.056	17.819	0.233	0.003	1.424	-78.762
48580_8580	48580	8580	0.003	16.91	0.05	0.066	-1.424	79.603
48580_8581	48580	8581	-0.003	-1.673	-0.05	-0.066	0.914	15.143
48581_8581	48581	8581	0.003	1.673	0.05	-0.039	-0.914	-15.143
48581_8582	48581	8582	-0.003	13.295	-0.05	0.039	0.412	-43.068
48582_8582	48582	8582	0.006	16.294	-0.002	0.017	-0.412	42.928
48582_8583	48582	8583	-0.006	-0.085	0.002	-0.017	0.432	45.911
48583_8583	48583	8583	0.006	0.085	-0.002	0.04	-0.432	-45.911
48583_8584	48583	8584	-0.006	17.425	0.002	-0.04	0.452	-55.692
48584_8584	48584	8584	0.003	15.484	0.014	0.057	-0.182	22.408
48584_8585	48584	8585	-0.003	1.288	-0.014	-0.057	0.02	57.929
48585_8585	48585	8585	0.003	-1.288	0.014	0.006	-0.02	-57.929
48585_8586	48585	8586	-0.003	17.47	-0.014	-0.006	-0.137	-44.496
48586_8586	48586	8586	0.003	17.9	0.002	0.272	0.137	44.559
48586_8587	48586	8587	-0.003	-1.691	-0.002	-0.272	-0.16	62.595
48587_8587	48587	8587	0.003	1.691	0.002	-0.18	0.16	-62.595
48587_8588	48587	8588	-0.003	17.202	-0.002	0.18	-0.186	-36.286
48588_8588	48588	8588	0.001	17.688	0.001	0.013	0.186	35.399
48588_8589	48588	8589	-0.001	0.029	-0.001	-0.013	-0.194	70.176
48589_8589	48589	8589	0.001	-0.029	0.001	0.032	0.194	-70.176
48589_8590	48589	8590	-0.001	17.395	-0.001	-0.032	-0.203	-31.923
48590_8590	48590	8590	0	17.48	0.001	0.238	0.203	31.959
48590_8591	48590	8591	0	1.247	-0.001	-0.238	-0.217	70.622
48591_8591	48591	8591	0.001	-1.247	0.001	-0.249	0.217	-70.622
48591_8592	48591	8592	-0.001	17.604	-0.001	0.249	-0.229	-33.42
48592_8592	48592	8592	0.001	17.422	0.001	-0.002	0.229	33.928
48592_8593	48592	8593	-0.001	-0.792	-0.001	0.002	-0.241	68.276
48593_8593	48593	8593	0.001	0.792	0.001	-0.002	0.241	-68.276
48593_8594	48593	8594	-0.001	17.659	-0.001	0.002	-0.255	-36.743
48594_8594	48594	8594	0	16.802	-0.002	0.208	0.255	37.27
48594_8595	48594	8595	0	0.82	0.002	-0.208	-0.235	57.767
48595_8595	48595	8595	0	-0.82	-0.002	-0.241	0.235	-57.767
48595_8596	48595	8596	0	18.281	0.002	0.241	-0.215	-54.77
48596_8596	48596	8596	-0.001	18.361	0.015	-0.04	0.215	54.481
48596_8597	48596	8597	0.001	-0.638	-0.015	0.04	-0.399	59.139
48597_8597	48597	8597	-0.001	0.638	0.015	-0.021	0.399	-59.139

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48597_8598	48597	8598	0.001	16.714	-0.015	0.021	-0.579	-34.988
48598_8598	48598	8598	0.007	10.187	-0.087	-0.04	0.579	34.833
48598_8599	48598	8599	-0.007	-0.305	0.087	0.04	0	0.151
49000_9000	49000	9000	-7.297	358.912	1.976	9.06	0	-41.591
49000_9001	49000	9001	7.297	-334.643	-1.976	-9.06	-16.403	2919.862
49001_9001	49001	9001	-7.294	334.643	1.986	4.982	16.403	-2919.87
49001_9002	49001	9002	7.294	-308.637	-1.986	-4.982	-34.072	5780.56
49002_9002	49002	9002	-7.292	292.405	-2.184	12.788	34.072	-5780.56
49002_9003	49002	9003	7.292	-257.075	2.184	-12.788	-7.686	9100.295
49003_9003	49003	9003	-7.296	257.075	-2.171	-3.153	7.686	-9100.3
49003_9004	49003	9004	7.296	-221.723	2.171	3.153	18.56	11994.73
49004_9004	49004	9004	-7.296	199.698	0.539	15.68	-18.56	-11994.7
49004_9005	49004	9005	7.296	-164.379	-0.539	-15.68	12.044	14193.6
49005_9005	49005	9005	-7.295	164.379	0.552	-9.169	-12.044	-14193.6
49005_9006	49005	9006	7.295	-129.039	-0.552	9.169	5.369	15966.79
49006_9006	49006	9006	-7.294	104.655	0.294	8.618	-5.369	-15966.8
49006_9007	49006	9007	7.294	-69.319	-0.294	-8.618	1.818	17018.04
49007_9007	49007	9007	-7.294	69.319	0.3	-5.343	-1.818	-17018
49007_9008	49007	9008	7.294	-33.987	-0.3	5.343	-1.805	17642.2
49008_9008	49008	9008	-7.294	9.054	-0.088	-1.212	1.805	-17642.2
49008_9009	49008	9009	7.294	26.296	0.088	1.212	-0.743	17537.96
49009_9009	49009	9009	-7.294	-26.296	-0.089	0.649	0.743	-17538
49009_9010	49009	9010	7.294	61.617	0.089	-0.649	0.328	17006.97
49010_9010	49010	9010	-7.293	-87.596	0.802	11.144	-0.328	-17007
49010_9011	49010	9011	7.293	122.938	-0.802	-11.144	-9.369	15734.6
49011_9011	49011	9011	-7.292	-122.938	0.814	-14.687	9.369	-15734.6
49011_9012	49011	9012	7.292	158.273	-0.814	14.687	-19.21	14035.42
49012_9012	49012	9012	-7.291	-183.073	0.657	6.609	19.21	-14035.4
49012_9013	49012	9013	7.291	218.405	-0.657	-6.609	-27.149	11609.8
49013_9013	49013	9013	-7.29	-218.405	0.669	-12.462	27.149	-11609.8
49013_9014	49013	9014	7.29	253.729	-0.669	12.462	-35.232	8757.873
49014_9014	49014	9014	-7.29	-277.403	-0.046	0.799	35.232	-8757.87
49014_9015	49014	9015	7.29	322.856	0.046	-0.799	-34.521	4092.254
49015_9015	49015	9015	-3.621	-322.918	-0.034	-6.063	34.454	-4096.76
49015_9016	49015	9016	3.364	345.46	0.034	6.063	-34.172	1339.722
49016_9016	49016	9016	4.54	-364.953	-3.577	-4.347	60.222	-1984.18
49016_9017	49016	9017	-5.6	397.284	3.577	4.347	-18.156	-2497.66
49017_9017	49017	9017	16.74	-396.971	-3.56	0.753	18.368	2497.66
49017_9018	49017	9018	-19.123	436.077	3.56	-0.753	28.897	-8025.92
49018_9018	49018	9018	33.294	-457.652	4.724	-13.269	-30.188	8025.745
49018_9019	49018	9019	-36.747	496.36	-4.724	13.269	-29.073	-14007.7
49019_9019	49019	9019	50.417	-495.158	4.736	9.337	31.435	14007.65
49019_9020	49019	9020	-55.239	536.354	-4.736	-9.337	-91.059	-20497.3
49020_9020	49020	9020	-2103.41	154.574	-25.789	-3.104	557.456	3550.3
49020_9021	49020	9021	2103.411	-127.816	25.789	3.104	-312.388	-2208.56
49021_9021	49021	9021	-2103.47	127.816	-20.947	1.98	312.388	2208.564
49021_9022	49021	9022	2103.465	-108.128	20.947	-1.98	-150.279	-1295.57
49022_9022	49022	9022	-2103.44	108.128	-23.031	0.697	150.279	1295.575
49022_9023	49022	9023	2103.443	-88.386	23.031	-0.697	28.443	-533.097
49023_9023	49023	9023	-2103.52	69.647	-4.682	-0.168	-28.443	533.089
49023_9024	49023	9024	2103.522	-49.296	4.682	0.168	65.899	-57.337
49024_9024	49024	9024	-2103.52	49.296	-4.682	-0.168	-65.899	57.337
49024_9025	49024	9025	2103.522	-28.945	4.682	0.168	103.356	255.613

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49025_9025	49025	9025	-2103.53	28.945	-2.069	-0.485	-103.356	-255.612
49025_9026	49025	9026	2103.526	-8.596	2.069	0.485	119.902	405.75
49026_9026	49026	9026	-2103.52	-8.688	-4.823	0.025	-119.902	-405.749
49026_9027	49026	9027	2103.523	23.943	4.823	-0.025	148.822	307.913
49027_9027	49027	9027	-2103.53	-23.943	-0.956	-0.541	-148.822	-307.913
49027_9028	49027	9028	2103.528	39.221	0.956	0.541	154.562	118.255
49028_9028	49028	9028	-2103.53	-39.221	-1.336	-0.52	-154.562	-118.255
49028_9029	49028	9029	2103.528	54.473	1.336	0.52	162.569	-162.607
49029_9029	49029	9029	-2103.53	-54.473	-0.956	-0.49	-162.569	162.607
49029_9030	49029	9030	2103.528	69.75	0.956	0.49	168.309	-535.604
49030_9030	49030	9030	-2103.53	-87.274	1.523	-1.511	-168.309	535.609
49030_9031	49030	9031	2103.529	107.614	-1.523	1.511	156.133	-1314.7
49031_9031	49031	9031	-2103.53	-107.614	1.523	-1.511	-156.133	1314.704
49031_9032	49031	9032	2103.529	127.954	-1.523	1.511	143.957	-2256.42
49032_9032	49032	9032	-2103.53	-127.954	4.415	1.592	-143.957	2256.424
49032_9033	49032	9033	2103.525	148.317	-4.415	-1.592	108.614	-3362.09
49033_9033	49033	9033	-2103.48	-166.928	16.012	-5.279	-108.614	3362.122
49033_9034	49033	9034	2103.479	186.65	-16.012	5.279	-15.516	-4732.67
49034_9034	49034	9034	-2103.48	-186.65	16.012	-5.279	15.516	4732.668
49034_9035	49034	9035	2103.479	206.373	-16.012	5.279	-139.646	-6256.11
49035_9035	49035	9035	-2103.44	-206.373	21.033	9.655	139.646	6256.104
49035_9036	49035	9036	2103.435	233.122	-21.033	-9.655	-339.452	-8343.63
49036_9036	49036	9036	15.652	455.355	-3.532	-26.096	49.672	26389.85
49036_9037	49036	9037	-10.83	-414.184	3.532	26.096	-5.241	-20922.9
49037_9037	49037	9037	-0.645	414.325	-3.439	25.22	-0.07	20922.89
49037_9038	49037	9038	4.097	-375.596	3.439	-25.22	43.24	-15967.5
49038_9038	49038	9038	-15.746	356.029	2.507	-3.617	-40.685	15967.82
49038_9039	49038	9039	18.128	-316.941	-2.507	3.617	7.419	-11504.3
49039_9039	49039	9039	-52.864	249.682	1.023	2.708	-13.183	1543.463
49039_9040	49039	9040	53.926	-217.292	-1.023	-2.708	1.145	1202.406
49040_9040	49040	9040	-58.788	197.099	0.434	0.495	-1.061	-1202.41
49040_9041	49040	9041	59.043	-174.626	-0.434	-0.495	-2.521	2735.423
49041_9041	49041	9041	-61.024	173.944	0.427	0.795	2.526	-2735.42
49041_9042	49041	9042	61.024	-136.95	-0.427	-0.795	-8.981	5085.734
49042_9042	49042	9042	-61.024	115.602	-0.1	2.844	8.981	-5085.74
49042_9043	49042	9043	61.024	-86.527	0.1	-2.844	-7.788	6286.675
49043_9043	49043	9043	-61.024	86.527	-0.054	-1.929	7.788	-6286.68
49043_9044	49043	9044	61.024	-57.479	0.054	1.929	-7.146	7141.498
49044_9044	49044	9044	-61.024	34.626	-0.072	3.232	7.146	-7141.49
49044_9045	49044	9045	61.024	-5.559	0.072	-3.232	-6.29	7380.184
49045_9045	49045	9045	-61.024	5.559	-0.021	-2.955	6.29	-7380.18
49045_9046	49045	9046	61.024	23.507	0.021	2.955	-6.041	7273.578
49046_9046	49046	9046	-61.024	-46.839	0.001	2.538	6.041	-7273.58
49046_9047	49046	9047	61.024	75.9	-0.001	-2.538	-6.053	6544.664
49047_9047	49047	9047	-61.024	-75.9	0.052	-2.951	6.053	-6544.66
49047_9048	49047	9048	61.024	104.959	-0.052	2.951	-6.672	5470.677
49048_9048	49048	9048	-61.024	-128.081	0.176	1.071	6.672	-5470.68
49048_9049	49048	9049	61.024	157.136	-0.176	-1.071	-8.762	3777.238
49049_9049	49049	9049	-61.024	-157.136	0.227	-2.098	8.762	-3777.24
49049_9050	49049	9050	61.024	186.188	-0.227	2.098	-11.459	1738.944
49050_9050	49050	9050	-61.024	-208.138	-0.407	-1.191	11.459	-1738.94
49050_9051	49050	9051	61.024	245.167	0.407	1.191	-5.302	-1691.27
49051_9051	49051	9051	-58.234	-245.845	-0.35	0.326	5.306	1691.271

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49051_9052	49051	9052	57.998	266.629	0.35	-0.326	-2.42	-3805.03
49052_9052	49052	9052	-51.614	-287.658	-0.918	-2.086	2.349	3804.925
49052_9053	49052	9053	50.634	317.549	0.918	2.086	8.447	-7361.76
49053_9053	49053	9053	-44.188	-320.962	-2.479	0.04	2.422	7709.264
49053_9054	49053	9054	41.836	359.458	2.479	-0.04	30.496	-12225.2
49054_9054	49054	9054	-29.873	-381.42	2.47	-8.205	-31.297	12224.87
49054_9055	49054	9055	26.477	419.408	-2.47	8.205	0.307	-17247.7
49055_9055	49055	9055	-14.878	-419.979	2.52	5.469	1.069	17247.67
49055_9056	49055	9056	10.157	460.22	-2.52	-5.469	-32.786	-22783.3
49056_9056	49056	9056	-2035.45	199.217	-19.753	-5.326	354.56	6116.903
49056_9057	49056	9057	2035.449	-172.803	19.753	5.326	-166.926	-4350.02
49057_9057	49057	9057	-2035.48	172.803	-16.08	2.831	166.926	4311.178
49057_9058	49057	9058	2035.481	-151.707	16.08	-2.831	-42.267	-3053.3
49058_9058	49058	9058	-2035.5	151.707	-13.462	6.759	42.267	3053.291
49058_9059	49058	9059	2035.5	-130.613	13.462	-6.759	62.084	-1959.06
49059_9059	49059	9059	-2035.53	112.776	-5.195	-0.653	-62.084	1959.033
49059_9060	49059	9060	2035.529	-91.026	5.195	0.653	103.608	-1144.59
49060_9060	49060	9060	-2035.53	91.026	-2.468	0.881	-103.608	1144.585
49060_9061	49060	9061	2035.534	-69.252	2.468	-0.881	123.355	-503.331
49061_9061	49061	9061	-2035.53	69.252	-2.468	0.881	-123.355	503.331
49061_9062	49061	9062	2035.534	-47.477	2.468	-0.881	143.101	-36.312
49062_9062	49062	9062	-2035.53	30.714	0.233	0.222	-143.101	36.309
49062_9063	49062	9063	2035.533	-14.372	-0.233	-0.222	141.701	99.073
49063_9063	49063	9063	-2035.53	14.372	-3.396	0.399	-141.701	-99.072
49063_9064	49063	9064	2035.531	1.944	3.396	-0.399	162.063	136.332
49064_9064	49064	9064	-2035.53	-1.944	3.377	-0.055	-162.063	-136.333
49064_9065	49064	9065	2035.531	18.257	-3.377	0.055	141.819	75.781
49065_9065	49065	9065	-2035.53	-18.257	0.233	0.062	-141.819	-75.781
49065_9066	49065	9066	2035.533	34.599	-0.233	-0.062	140.419	-82.932
49066_9066	49066	9066	-2035.53	-51.381	1.972	-0.542	-140.419	82.933
49066_9067	49066	9067	2035.534	73.15	-1.972	0.542	124.647	-581.033
49067_9067	49067	9067	-2035.53	-73.15	4.51	0.182	-124.647	581.033
49067_9068	49067	9068	2035.529	94.916	-4.51	-0.182	88.57	-1253.21
49068_9068	49068	9068	-2035.53	-94.916	4.51	0.182	-88.57	1253.207
49068_9069	49068	9069	2035.529	116.683	-4.51	-0.182	52.493	-2099.49
49069_9069	49069	9069	-2035.49	-134.383	15.463	-3.967	-52.493	2099.523
49069_9070	49069	9070	2035.486	155.465	-15.463	3.967	-67.307	-3222.32
49070_9070	49070	9070	-2035.49	-155.465	15.639	-3.688	67.307	3222.316
49070_9071	49070	9071	2035.485	176.575	-15.639	3.688	-188.628	-4510.21
49071_9071	49071	9071	-2035.45	-176.575	19.252	4.684	188.628	4549.048
49071_9072	49071	9072	2035.454	202.992	-19.252	-4.684	-371.526	-6352.04
49072_9072	49072	9072	-5.452	458.014	-2.447	-12.912	37.707	23090.59
49072_9073	49072	9073	10.172	-417.779	2.447	12.912	-6.921	-17583.7
49073_9073	49073	9073	-21.741	417.338	-2.35	15.761	3.982	17583.65
49073_9074	49073	9074	25.136	-379.333	2.35	-15.761	25.52	-12584.7
49074_9074	49074	9074	-36.815	360.677	2.742	0.936	-24.119	12584.87
49074_9075	49074	9075	39.166	-322.203	-2.742	-0.936	-12.265	-8055.37
49075_9075	49075	9075	-48.947	247.555	1.216	-1.274	-2.206	-3395.66
49075_9076	49075	9076	49.909	-218.219	-1.216	1.274	-12.093	6133.45
49076_9076	49076	9076	-54.781	200.184	-0.294	2.943	12.012	-6133.58
49076_9077	49076	9077	55.013	-179.804	0.294	-2.943	-9.591	7700.046
49077_9077	49077	9077	-57.054	179.167	-0.273	-0.092	9.624	-7683.45
49077_9078	49077	9078	57.054	-143.296	0.273	0.092	-5.886	9894.567

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49078_9078	49078	9078	-57.054	124.211	-0.086	6.564	5.886	-9894.58
49078_9079	49078	9079	57.054	-95.024	0.086	-6.564	-4.927	11117.73
49079_9079	49079	9079	-57.054	95.024	-0.032	-3.946	4.927	-11117.7
49079_9080	49079	9080	57.054	-65.812	0.032	3.946	-4.569	12015.82
49080_9080	49080	9080	-57.054	45.46	-0.087	0.803	4.569	-12015.8
49080_9081	49080	9081	57.054	-16.251	0.087	-0.803	-3.594	12360.38
49081_9081	49081	9081	-57.054	16.251	-0.087	0.803	3.594	-12360.4
49081_9082	49081	9082	57.054	12.957	0.087	-0.803	-2.619	12378.77
49082_9082	49082	9082	-57.055	-34.962	-0.064	4.645	2.619	-12378.8
49082_9083	49082	9083	57.055	66.367	0.064	-4.645	-1.854	11770.45
49083_9083	49083	9083	-57.055	-66.367	-0.019	-4.639	1.854	-11770.4
49083_9084	49083	9084	57.055	97.745	0.019	4.639	-1.629	10786.1
49084_9084	49084	9084	-57.055	-119.883	0.031	3.448	1.629	-10786.1
49084_9085	49084	9085	57.055	149.085	-0.031	-3.448	-1.972	9284.711
49085_9085	49085	9085	-57.054	-149.085	0.082	-4.858	1.972	-9284.71
49085_9086	49085	9086	57.054	178.285	-0.082	4.858	-2.884	7457.405
49086_9086	49086	9086	-57.054	-199.566	0.045	0.985	2.884	-7457.4
49086_9087	49086	9087	57.054	228.791	-0.045	-0.985	-3.389	5064.365
49087_9087	49087	9087	-57.054	-228.791	0.094	-3.327	3.389	-5064.36
49087_9088	49087	9088	57.054	257.989	-0.094	3.327	-4.436	2347.497
49088_9088	49088	9088	-57.055	-277.641	-0.478	-2.296	4.436	-2347.49
49088_9089	49088	9089	57.055	312.126	0.478	2.296	1.867	-1540.16
49089_9089	49089	9089	-53.508	-312.753	-0.438	-1.057	-1.879	1523.558
49089_9090	49089	9090	53.264	334.29	0.438	1.057	5.494	-4195.41
49090_9090	49090	9090	-45.447	-354.621	-0.2	-7.334	-5.726	4195.286
49090_9091	49090	9091	44.432	385.526	0.2	7.334	8.079	-8542.24
49091_9091	49091	9091	-36.338	-388.244	-1.612	3.227	-0.088	8798.695
49091_9092	49091	9092	34.012	426.419	1.612	-3.227	21.487	-14204.9
49092_9092	49092	9092	-20.2	-448.051	1.656	-24.905	-23.95	14204.58
49092_9093	49092	9093	16.839	485.745	-1.656	24.905	3.173	-20062.3
49093_9093	49093	9093	-3.41	-486.025	1.799	22.976	1.735	20062.3
49093_9094	49093	9094	-1.267	525.972	-1.799	-22.976	-24.378	-26427.6
49094_9094	49094	9094	-2247.85	181.819	-14.419	-4.179	220.44	6652.571
49094_9095	49094	9095	2247.848	-155.636	14.419	4.179	-83.501	-5050.13
49095_9095	49095	9095	-2247.87	155.636	-10.897	3.733	83.501	5050.131
49095_9096	49095	9096	2247.868	-134.848	10.897	-3.733	1.009	-3923.72
49096_9096	49096	9096	-2247.87	134.848	-11.005	3.544	-1.009	3923.716
49096_9097	49096	9097	2247.867	-114.087	11.005	-3.544	86.252	-2959.66
49097_9097	49097	9097	-2247.92	96.33	1.797	-1.749	-86.252	2959.62
49097_9098	49097	9098	2247.915	-74.873	-1.797	1.749	71.864	-2274.36
49098_9098	49098	9098	-2247.91	74.873	4.505	0.991	-71.864	2274.358
49098_9099	49098	9099	2247.911	-53.443	-4.505	-0.991	35.846	-1761.42
49099_9099	49099	9099	-2247.91	53.443	4.604	1.068	-35.846	1761.421
49099_9100	49099	9100	2247.911	-31.987	-4.604	-1.068	-1.005	-1419.49
49100_9100	49100	9100	-2247.9	16.279	-0.85	-0.799	1.005	1419.486
49100_9101	49100	9101	2247.896	-0.188	0.85	0.799	4.099	-1370.06
49101_9101	49101	9101	-2247.9	0.188	-0.975	-0.875	-4.099	1370.058
49101_9102	49101	9102	2247.896	15.877	0.975	0.875	9.943	-1417.07
49102_9102	49102	9102	-2247.9	-15.877	-0.85	-0.796	-9.943	1417.072
49102_9103	49102	9103	2247.896	31.968	0.85	0.796	15.046	-1560.69
49103_9103	49103	9103	-2247.89	-31.968	2.892	1.802	-15.046	1560.686
49103_9104	49103	9104	2247.894	48.059	-2.892	-1.802	-2.317	-1800.89
49104_9104	49104	9104	-2247.91	-63.735	-5.959	-2.461	2.317	1800.894

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49104_9105	49104	9105	2247.908	85.162	5.959	2.461	45.318	-2396.03
49105_9105	49105	9105	-2247.91	-85.162	-3.064	0.625	-45.318	2396.029
49105_9106	49105	9106	2247.914	106.615	3.064	-0.625	69.839	-3163.48
49106_9106	49106	9106	-2247.91	-106.615	-3.148	0.506	-69.839	3163.48
49106_9107	49106	9107	2247.914	128.041	3.148	-0.506	95.003	-4101.35
49107_9107	49107	9107	-2247.87	-145.776	9.609	-3.502	-95.003	4101.395
49107_9108	49107	9108	2247.874	166.557	-9.609	3.502	20.504	-5312.17
49108_9108	49108	9108	-2247.87	-166.557	9.609	-3.502	-20.504	5312.174
49108_9109	49108	9109	2247.874	187.339	-9.609	3.502	-53.995	-6684.07
49109_9109	49109	9109	-2247.86	-187.339	11.897	3.302	53.995	6684.074
49109_9110	49109	9110	2247.863	213.539	-11.897	-3.302	-167.058	-8588.96
49110_9110	49110	9110	-13.803	492.522	-1.788	-17.808	16.861	28678.26
49110_9111	49110	9111	18.48	-452.591	1.788	17.808	5.633	-22736.3
49111_9111	49111	9111	-31.01	451.906	-1.673	19.044	-9.394	22736.29
49111_9112	49111	9112	34.371	-414.203	1.673	-19.044	30.396	-17302
49112_9112	49112	9112	-47.091	394.05	1.854	-1.83	-28.527	17302.4
49112_9113	49112	9113	49.417	-355.899	-1.854	1.83	3.93	-12328.8
49113_9113	49113	9113	-58.805	279.845	0.852	2.327	0.343	788.16
49113_9114	49113	9114	59.816	-249.001	-0.852	-2.327	-10.367	2320.792
49114_9114	49114	9114	-65.346	230.222	-0.132	1.797	10.418	-2320.83
49114_9115	49114	9115	65.59	-208.767	0.132	-1.797	-9.33	4132.107
49115_9115	49115	9115	-67.957	208.009	-0.119	0.901	9.349	-4112.57
49115_9116	49115	9116	67.957	-174.287	0.119	-0.901	-7.712	6733.757
49116_9116	49116	9116	-67.958	155.217	-0.146	8.228	7.712	-6733.76
49116_9117	49116	9117	67.958	-127.769	0.146	-8.228	-6.081	8313.102
49117_9117	49117	9117	-67.958	127.769	-0.023	-6.792	6.081	-8313.1
49117_9118	49117	9118	67.958	-100.296	0.023	6.792	-5.821	9587.029
49118_9118	49118	9118	-67.958	79.325	-0.417	9.738	5.821	-9587.04
49118_9119	49118	9119	67.958	-51.877	0.417	-9.738	-1.163	10319.25
49119_9119	49119	9119	-67.959	51.877	-0.295	-8.891	1.163	-10319.3
49119_9120	49119	9120	67.959	-24.406	0.295	8.891	2.128	10745.35
49120_9120	49120	9120	-67.959	2.742	-0.053	8.817	-2.128	-10745.4
49120_9121	49120	9121	67.959	26.746	0.053	-8.817	2.767	10601.45
49121_9121	49121	9121	-67.959	-26.746	0.061	-8.974	-2.767	-10601.4
49121_9122	49121	9122	67.959	56.258	-0.061	8.974	2.039	10103.38
49122_9122	49122	9122	-67.959	-78.519	-0.227	11.664	-2.039	-10103.4
49122_9123	49122	9123	67.959	105.989	0.227	-11.664	4.574	9072.82
49123_9123	49123	9123	-67.959	-105.989	-0.044	-12.7	-4.574	-9072.82
49123_9124	49123	9124	67.959	133.459	0.044	12.7	5.07	7735.436
49124_9124	49124	9124	-67.959	-154.227	-0.243	4.424	-5.07	-7735.44
49124_9125	49124	9125	67.959	181.672	0.243	-4.424	7.783	5861.041
49125_9125	49125	9125	-67.959	-181.672	-0.121	-6.121	-7.783	-5861.04
49125_9126	49125	9126	67.959	209.141	0.121	6.121	9.132	3678.28
49126_9126	49126	9126	-67.959	-228.46	0.296	-0.575	-9.132	-3678.28
49126_9127	49126	9127	67.959	261.389	-0.296	0.575	5.168	398.654
49127_9127	49127	9127	-64.981	-262.145	0.391	-1.187	-5.182	-418.19
49127_9128	49127	9128	64.756	281.889	-0.391	1.187	1.959	-1823.36
49128_9128	49128	9128	-58.115	-300.67	-2.924	-5.434	-2.124	1823.327
49128_9129	49128	9129	57.182	329.111	2.924	5.434	36.497	-5524.88
49129_9129	49129	9129	-55.038	-333.067	-5.316	7.247	-42.889	5888.053
49129_9130	49129	9130	52.776	370.19	5.316	-7.247	113.461	-10554.1
49130_9130	49130	9130	-40.452	-393.406	9.921	-6.353	-114.71	10554.07
49130_9131	49130	9131	37.179	430.111	-9.921	6.353	-9.793	-15719.5

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49131_9131	49131	9131	-25.319	-430.971	9.981	5.891	11.078	15719.45
49131_9132	49131	9132	20.758	469.964	-9.981	-5.891	-136.793	-21390.5
49132_9132	49132	9132	-1896.9	172.314	2.901	2.17	-12.388	5222.692
49132_9133	49132	9133	1896.895	-146.873	-2.901	-2.17	-15.173	-3706.55
49133_9133	49133	9133	-1896.9	146.873	0.454	-2.612	15.173	3706.554
49133_9134	49133	9134	1896.897	-127.831	-0.454	2.612	-18.688	-2642.07
49134_9134	49134	9134	-1896.9	127.831	2.901	0.797	18.688	2642.073
49134_9135	49134	9135	1896.895	-108.79	-2.901	-0.797	-41.173	-1725.17
49135_9135	49135	9135	-1896.9	90.416	0.365	-0.983	41.173	1725.166
49135_9136	49135	9136	1896.897	-70.76	-0.365	0.983	-44.092	-1080.46
49136_9136	49136	9136	-1896.9	70.76	2.736	0.368	44.092	1080.464
49136_9137	49136	9137	1896.895	-51.103	-2.736	-0.368	-65.981	-593.012
49137_9137	49137	9137	-1896.9	51.103	2.736	0.368	65.981	593.012
49137_9138	49137	9138	1896.895	-31.447	-2.736	-0.368	-87.869	-262.809
49138_9138	49138	9138	-1896.89	13.954	-4.676	-0.346	87.869	262.809
49138_9139	49138	9139	1896.894	0.789	4.676	0.346	-59.815	-223.314
49139_9139	49139	9139	-1896.9	-0.789	-1.514	0.026	59.815	223.314
49139_9140	49139	9140	1896.899	15.531	1.514	-0.026	-50.729	-272.271
49140_9140	49140	9140	-1896.9	-15.531	-1.514	0.026	50.729	272.271
49140_9141	49140	9141	1896.899	30.273	1.514	-0.026	-41.644	-409.682
49141_9141	49141	9141	-1896.89	-30.273	-4.676	-0.656	41.644	409.681
49141_9142	49141	9142	1896.894	45.015	4.676	0.656	-13.589	-635.544
49142_9142	49142	9142	-1896.9	-62.375	-1.653	-0.137	13.589	635.545
49142_9143	49142	9143	1896.899	82.031	1.653	0.137	-0.363	-1213.17
49143_9143	49143	9143	-1896.9	-82.031	-4.024	-1.654	0.363	1213.17
49143_9144	49143	9144	1896.896	101.687	4.024	1.654	31.833	-1948.05
49144_9144	49144	9144	-1896.9	-101.687	-1.653	0.781	-31.833	1948.046
49144_9145	49144	9145	1896.899	121.344	1.653	-0.781	45.059	-2840.17
49145_9145	49145	9145	-1896.9	-137.774	2.363	0.768	-45.059	2840.17
49145_9146	49145	9146	1896.895	156.816	-2.363	-0.768	26.743	-3981.71
49146_9146	49146	9146	-1896.9	-156.816	-0.084	-4.369	-26.743	3981.706
49146_9147	49146	9147	1896.897	175.858	0.084	4.369	27.395	-5270.82
49147_9147	49147	9147	-1896.9	-175.858	2.363	2.432	-27.395	5270.821
49147_9148	49147	9148	1896.895	201.298	-2.363	-2.432	4.942	-7062.31
49148_9148	49148	9148	-22.875	415.714	0.008	0.392	-19.749	23627.36
49148_9149	49148	9149	27.437	-376.752	-0.008	-0.392	19.654	-18643.3
49149_9149	49149	9149	-37.83	375.85	0.008	0.934	-19.636	18643.31
49149_9150	49149	9150	41.103	-339.145	-0.008	-0.934	19.541	-14158.9
49150_9150	49150	9150	-51.433	324.324	-0.647	0.448	-19.444	14158.9
49150_9151	49150	9151	53.695	-287.201	0.647	-0.448	28.031	-10101.7
49151_9151	49151	9151	-68.974	205.94	0.423	1.319	-14.251	-1180.85
49151_9152	49151	9152	69.92	-177.101	-0.423	-1.319	9.28	3431.981
49152_9152	49152	9152	-73.892	158.529	0.231	-2.007	-9.21	-3431.98
49152_9153	49152	9153	74.12	-138.482	-0.231	2.007	7.301	4657.173
49153_9153	49153	9153	-75.689	137.631	0.176	1.464	-7.323	-4657.17
49153_9154	49153	9154	75.689	-105.221	-0.176	-1.464	4.899	6326.776
49154_9154	49154	9154	-75.689	85.787	-0.029	3.486	-4.899	-6326.78
49154_9155	49154	9155	75.689	-59.859	0.029	-3.486	5.223	7127.829
49155_9155	49155	9155	-75.689	59.859	0.039	-2.994	-5.223	-7127.83
49155_9156	49155	9156	75.689	-33.931	-0.039	2.994	4.79	7643.674
49156_9156	49156	9156	-75.689	13.411	0.088	3.894	-4.79	-7643.67
49156_9157	49156	9157	75.689	10.16	-0.088	-3.894	3.91	7659.925
49157_9157	49157	9157	-75.689	-10.16	0.164	-3.766	-3.91	-7659.93

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49157_9158	49157	9158	75.689	33.731	-0.164	3.766	2.273	7440.469
49158_9158	49158	9158	-75.689	-53.664	0	3.282	-2.273	-7440.47
49158_9159	49158	9159	75.689	77.234	0	-3.282	2.269	6785.979
49159_9159	49159	9159	-75.689	-77.234	0.076	-3.504	-2.269	-6785.98
49159_9160	49159	9160	75.689	100.805	-0.076	3.504	1.508	5895.781
49160_9160	49160	9160	-75.689	-120.961	0.199	-0.273	-1.508	-5895.78
49160_9161	49160	9161	75.689	146.865	-0.199	0.273	-0.681	4424.078
49161_9161	49161	9161	-75.689	-146.865	0.199	-0.277	0.681	-4424.08
49161_9162	49161	9162	75.689	172.793	-0.199	0.277	-2.872	2665.958
49162_9162	49162	9162	-75.689	-191.556	-0.201	-0.389	2.872	-2665.96
49162_9163	49162	9163	75.689	223.966	0.201	0.389	-0.106	-190.759
49163_9163	49163	9163	-73.138	-224.812	-0.293	-0.621	0.099	190.758
49163_9164	49163	9164	72.911	244.859	0.293	0.621	2.317	-2128.22
49164_9164	49164	9164	-67.11	-262.784	0.32	0.855	-2.283	2128.219
49164_9165	49164	9165	66.164	291.623	-0.32	-0.855	-1.474	-5386.66
49165_9165	49165	9165	-63.307	-295.435	-1.14	-2.973	9.744	5770.843
49165_9166	49165	9166	61.06	332.307	1.14	2.973	5.394	-9935.69
49166_9166	49166	9166	-50.264	-350.104	0.761	-6.202	-5.777	9935.685
49166_9167	49166	9167	47.012	386.572	-0.761	6.202	-3.767	-14556.1
49167_9167	49167	9167	-36.318	-387.723	0.825	5.262	4.949	14556.14
49167_9168	49167	9168	31.784	426.447	-0.825	-5.262	-15.337	-19676.8
49168_9168	49168	9168	-1786.61	181.646	-2.959	-0.991	48.057	5138.458
49168_9169	49168	9169	1786.605	-156.386	2.959	0.991	-19.946	-3532.81
49169_9169	49169	9169	-1786.61	156.386	-1.078	2.728	19.946	3532.806
49169_9170	49169	9170	1786.607	-137.26	1.078	-2.728	-11.588	-2394.93
49170_9170	49170	9170	-1786.6	137.26	-3.384	-0.362	11.588	2394.929
49170_9171	49170	9171	1786.604	-118.135	3.384	0.362	14.637	-1405.27
49171_9171	49171	9171	-1786.61	101.061	1.482	0.7	-14.637	1405.271
49171_9172	49171	9172	1786.607	-81.319	-1.482	-0.7	2.778	-675.752
49172_9172	49172	9172	-1786.61	81.319	-0.751	-0.145	-2.778	675.753
49172_9173	49172	9173	1786.607	-61.576	0.751	0.145	8.785	-104.172
49173_9173	49173	9173	-1786.61	61.576	1.482	-0.015	-8.785	104.173
49173_9174	49173	9174	1786.607	-41.834	-1.482	0.015	-3.073	309.469
49174_9174	49174	9174	-1786.61	24.134	0.846	-0.186	3.073	-309.469
49174_9175	49174	9175	1786.607	-9.327	-0.846	0.186	-8.15	409.852
49175_9175	49175	9175	-1786.61	9.327	-2.132	0.497	8.15	-409.852
49175_9176	49175	9176	1786.606	5.48	2.132	-0.497	4.639	421.395
49176_9176	49176	9176	-1786.61	-5.48	0.846	-0.205	-4.639	-421.395
49176_9177	49176	9177	1786.607	20.286	-0.846	0.205	-0.438	344.098
49177_9177	49177	9177	-1786.61	-20.286	0.846	-0.205	0.438	-344.098
49177_9178	49177	9178	1786.607	35.093	-0.846	0.205	-5.515	177.96
49178_9178	49178	9178	-1786.61	-52.729	-1.951	-0.075	5.515	-177.96
49178_9179	49178	9179	1786.606	72.471	1.951	0.075	10.089	-322.842
49179_9179	49179	9179	-1786.61	-72.471	0.283	0.329	-10.089	322.842
49179_9180	49179	9180	1786.607	92.214	-0.283	-0.329	7.828	-981.582
49180_9180	49180	9180	-1786.61	-92.214	-1.951	-0.898	-7.828	981.581
49180_9181	49180	9181	1786.606	111.956	1.951	0.898	23.432	-1798.26
49181_9181	49181	9181	-1786.61	-128.897	3.614	0.933	-23.432	1798.26
49181_9182	49181	9182	1786.607	148.023	-3.614	-0.933	-4.579	-2871.33
49182_9182	49182	9182	-1786.61	-148.023	3.614	0.933	4.579	2871.325
49182_9183	49182	9183	1786.607	167.148	-3.614	-0.933	-32.589	-4092.61
49183_9183	49183	9183	-1786.61	-167.148	1.734	-3.375	32.589	4092.611
49183_9184	49183	9184	1786.61	192.408	-1.734	3.375	-49.059	-5800.5

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49184_9184	49184	9184	-38.116	406.034	-1.151	-5.81	6.164	20493.21
49184_9185	49184	9185	42.65	-367.309	1.151	5.81	8.325	-15629.5
49185_9185	49185	9185	-52.778	365.992	-1.083	6.876	-9.592	15629.49
49185_9186	49185	9186	56.029	-329.524	1.083	-6.876	23.186	-11267.3
49186_9186	49186	9186	-66.141	313.352	1.45	0.34	-22.546	11267.31
49186_9187	49186	9187	68.387	-276.48	-1.45	-0.34	3.295	-7354.09
49187_9187	49187	9187	-66.353	187.515	0.15	1.164	-8.89	-4139.68
49187_9188	49187	9188	67.32	-158.058	-0.15	-1.164	7.127	6170.566
49188_9188	49188	9188	-70.889	139.093	0.332	-2.451	-7.057	-6170.57
49188_9189	49188	9189	71.122	-118.612	-0.332	2.451	4.317	7233.611
49189_9189	49189	9189	-72.465	117.796	0.279	2.817	-4.345	-7244.36
49189_9190	49189	9190	72.465	-83.261	-0.279	-2.817	0.503	8626.628
49190_9190	49190	9190	-72.465	62.884	-0.017	-3.735	-0.503	-8626.63
49190_9191	49190	9191	72.465	-35.256	0.017	3.735	0.691	9166.395
49191_9191	49191	9191	-72.465	35.256	-0.083	4.598	-0.691	-9166.39
49191_9192	49191	9192	72.465	-7.628	0.083	-4.598	1.604	9402.253
49192_9192	49192	9192	-72.465	-13.504	0.006	4.718	-1.604	-9402.25
49192_9193	49192	9193	72.465	38.495	-0.006	-4.718	1.544	9143.556
49193_9193	49193	9193	-72.465	-38.495	0.079	-4.472	-1.544	-9143.56
49193_9194	49193	9194	72.465	63.486	-0.079	4.472	0.759	8636.201
49194_9194	49194	9194	-72.465	-84.259	0.031	3.69	-0.759	-8636.2
49194_9195	49194	9195	72.465	109.25	-0.031	-3.69	0.447	7673.495
49195_9195	49195	9195	-72.465	-109.25	0.104	-4.022	-0.447	-7673.5
49195_9196	49195	9196	72.465	134.216	-0.104	4.022	-0.589	6463.472
49196_9196	49196	9196	-72.466	-155.343	0.078	1.63	0.589	-6463.48
49196_9197	49196	9197	72.466	182.971	-0.078	-1.63	-1.441	4602.752
49197_9197	49197	9197	-72.465	-182.971	0.143	-2.554	1.441	-4602.75
49197_9198	49197	9198	72.465	210.599	-0.143	2.554	-3.018	2438.121
49198_9198	49198	9198	-72.463	-231.037	-0.224	-0.93	3.018	-2438.12
49198_9199	49198	9199	72.463	265.597	0.224	0.93	0.063	-978.72
49199_9199	49199	9199	-69.381	-266.419	-0.171	-0.268	-0.066	999.572
49199_9200	49199	9200	69.134	287.741	0.171	0.268	1.48	-3285.58
49200_9200	49200	9200	-62.23	-307.336	-0.66	-1.806	-1.538	3285.584
49200_9201	49200	9201	61.206	337.991	0.66	1.806	9.293	-7078.54
49201_9201	49201	9201	-57.229	-343.178	-3.344	-0.483	2.215	7622.526
49201_9202	49201	9202	54.746	383.377	3.344	0.483	42.183	-12443.5
49202_9202	49202	9202	-42.143	-404.48	2.868	5.027	-41.79	12443.44
49202_9203	49202	9203	38.57	444.086	-2.868	-5.027	5.8	-17766.5
49203_9203	49203	9203	-26.268	-444.983	2.805	-8.929	-7.327	17766.47
49203_9204	49203	9204	21.32	486.846	-2.805	8.929	-27.979	-23628.3
49204_9204	49204	9204	-2117.58	200.317	-13.102	-3.173	262.442	6365.294
49204_9205	49204	9205	2117.577	-172.672	13.102	3.173	-137.973	-4593.59
49205_9205	49205	9205	-2117.59	172.672	-10.873	2.995	137.973	4334.013
49205_9206	49205	9206	2117.589	-151.601	10.873	-2.995	-53.707	-3077.45
49206_9206	49206	9206	-2117.59	151.601	-10.873	2.995	53.707	3077.454
49206_9207	49206	9207	2117.589	-130.53	10.873	-2.995	30.559	-1984.2
49207_9207	49207	9207	-2117.64	110.989	-3.347	-0.867	-30.559	1984.19
49207_9208	49207	9208	2117.64	-89.239	3.347	0.867	57.334	-1183.28
49208_9208	49208	9208	-2117.64	89.239	-0.7	0.612	-57.334	1183.277
49208_9209	49208	9209	2117.642	-67.488	0.7	-0.612	62.933	-556.371
49209_9209	49209	9209	-2117.64	67.488	1.947	1.307	-62.933	556.37
49209_9210	49209	9210	2117.642	-45.737	-1.947	-1.307	47.356	-103.47
49210_9210	49210	9210	-2117.61	27.367	-5.512	0.018	-47.356	103.464

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49210_9211	49210	9211	2117.611	-11.054	5.512	-0.018	80.428	11.798
49211_9211	49211	9211	-2117.62	11.054	-1.983	-0.001	-80.428	-11.798
49211_9212	49211	9212	2117.617	5.26	1.983	0.001	92.325	29.18
49212_9212	49212	9212	-2117.62	-5.26	1.546	-0.05	-92.325	-29.18
49212_9213	49212	9213	2117.617	21.573	-1.546	0.05	83.047	-51.32
49213_9213	49213	9213	-2117.61	-21.573	5.076	0.035	-83.047	51.32
49213_9214	49213	9214	2117.612	37.887	-5.076	-0.035	52.592	-229.705
49214_9214	49214	9214	-2117.68	-56.006	-6.833	-2.922	-52.592	229.721
49214_9215	49214	9215	2117.676	77.731	6.833	2.922	107.193	-764.026
49215_9215	49215	9215	-2117.69	-77.731	-1.566	-1.022	-107.193	764.031
49215_9216	49215	9216	2117.686	99.483	1.566	1.022	119.725	-1472.94
49216_9216	49216	9216	-2117.68	-99.483	3.727	2.66	-119.725	1472.94
49216_9217	49216	9217	2117.683	121.236	-3.727	-2.66	89.906	-2355.92
49217_9217	49217	9217	-2117.64	-141.317	11.074	-11.748	-89.906	2356.111
49217_9218	49217	9218	2117.635	162.391	-11.074	11.748	4.073	-3533.15
49218_9218	49218	9218	-2117.58	-162.391	19.268	1.924	-4.073	3533.165
49218_9219	49218	9219	2117.576	183.467	-19.268	-1.924	-145.287	-4873.65
49219_9219	49219	9219	-2117.57	-183.467	20.131	6.376	145.287	5133.227
49219_9220	49219	9220	2117.568	211.118	-20.131	-6.376	-336.569	-7007.92
49220_9220	49220	9220	-5.282	458.11	-3.216	-29.224	25.891	24526.38
49220_9221	49220	9221	10.229	-416.267	3.216	29.224	14.575	-19028.7
49221_9221	49221	9221	-21.794	415.823	-3.029	31.405	-20.811	19028.73
49221_9222	49221	9222	25.367	-376.201	3.029	-31.405	58.84	-14058.5
49222_9222	49222	9222	-37.22	352.039	4.832	-1.447	-55.799	14060.27
49222_9223	49222	9223	39.703	-311.851	-4.832	1.447	-8.333	-9656.38
49223_9223	49223	9223	-54.639	218.048	1.735	-1.76	-32.367	-1947.28
49223_9224	49223	9224	55.684	-186.789	-1.735	1.76	11.974	4326.142
49224_9224	49224	9224	-59.987	167.513	0.837	11.361	-12.158	-4326.85
49224_9225	49224	9225	60.239	-145.746	-0.837	-11.361	5.247	5620.045
49225_9225	49225	9225	-61.919	145.039	1.045	-7.624	-5.115	-5628.68
49225_9226	49225	9226	61.919	-105.451	-1.045	7.624	-10.023	7442.592
49226_9226	49226	9226	-61.935	86.525	0.263	11.346	10.023	-7443.44
49226_9227	49226	9227	61.935	-55.441	-0.263	-11.346	-13.016	8250.646
49227_9227	49227	9227	-61.934	55.441	0.426	-10.395	13.016	-8250.65
49227_9228	49227	9228	61.934	-24.352	-0.426	10.395	-17.865	8704.4
49228_9228	49228	9228	-61.936	5.912	0.252	10.891	17.865	-8704.77
49228_9229	49228	9229	61.936	25.156	-0.252	-10.891	-20.733	8595.406
49229_9229	49229	9229	-61.935	-25.156	0.416	-11.762	20.733	-8595.4
49229_9230	49229	9230	61.935	56.228	-0.416	11.762	-25.457	8132.837
49230_9230	49230	9230	-61.938	-75.479	1.626	11.191	25.457	-8132.49
49230_9231	49230	9231	61.938	108.392	-1.626	-11.191	-45.039	7025.493
49231_9231	49231	9231	-61.934	-108.392	1.769	-5.019	45.039	-7025.5
49231_9232	49231	9232	61.934	132.93	-1.769	5.019	-60.922	5942.342
49232_9232	49232	9232	-61.188	-133.272	2.001	-27.627	60.769	-5942.28
49232_9233	49232	9233	61.14	141.854	-2.001	27.627	-66.927	5519.062
49233_9233	49233	9233	-58.797	-161.832	-4.341	4.557	67.179	-5518.91
49233_9234	49233	9234	58.284	188.514	4.341	-4.557	-25.797	3849.317
49234_9234	49234	9234	-54.801	-189.559	-4.178	-6.061	25.494	-3849.32
49234_9235	49234	9235	54.014	210.415	4.178	6.061	5.392	2371.104
49235_9235	49235	9235	-50.771	-211.224	-3.993	-13.072	-5.863	-2371.08
49235_9236	49235	9236	49.653	232.241	3.993	13.072	30.755	988.86
49236_9236	49236	9236	-44.37	-251.662	6.075	-6.79	-30.572	-988.785
49236_9237	49236	9237	41.967	285.607	-6.075	6.79	-29.385	-1661.73

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49237_9237	49237	9237	-28.801	-302.825	5.702	0.22	133.576	4313.461
49237_9238	49237	9238	25.714	336.39	-5.702	-0.22	-187.033	-7309.12
49238_9238	49238	9238	-15.898	-361.296	-4.835	-13.937	185.832	7308.278
49238_9239	49238	9239	12.162	394.592	4.835	13.937	-142.356	-10706.1
49239_9239	49239	9239	-6.69	-394.724	-4.72	5.687	144.877	10706.08
49239_9240	49239	9240	4.797	409.711	4.72	-5.687	-126.262	-12292.1
49240_9240	49240	9240	-1632.18	256.762	15.798	14.755	679.751	2701.095
49240_9241	49240	9241	1632.181	-235.718	-15.798	-14.755	-779.775	-1142.05
49241_9241	49241	9241	-1629.8	187.942	-34.128	-0.59	779.775	1141.318
49241_9242	49241	9242	1629.802	-177.437	34.128	0.59	-671.906	-563.89
49242_9242	49242	9242	-1629.87	177.437	-30.981	0.499	671.906	563.89
49242_9243	49242	9243	1629.865	-137.006	30.981	-0.499	-289.17	1378.397
49243_9243	49243	9243	-1629.94	137.006	-26.666	-3.15	289.17	-1378.39
49243_9244	49243	9244	1629.941	-107.604	26.666	3.15	-49.601	2477.172
49244_9244	49244	9244	-1629.67	83.143	-30.343	6.138	49.601	-2476.49
49244_9245	49244	9245	1629.674	-48.935	30.343	-6.138	267.551	3166.747
49245_9245	49245	9245	-1629.75	48.935	-25.814	-2.661	-267.551	-3166.75
49245_9246	49245	9246	1629.752	-18.926	25.814	2.661	504.256	3477.877
49246_9246	49246	9246	-1630.19	3.06	-9.974	6.357	-504.256	-3477.19
49246_9247	49246	9247	1630.19	31.462	9.974	-6.357	609.471	3327.386
49247_9247	49247	9247	-1630.21	-31.462	-4.537	-4.741	-609.471	-3327.39
49247_9248	49247	9248	1630.214	61.194	4.537	4.741	650.692	2906.511
49248_9248	49248	9248	-1630.27	-78.682	0.836	2.514	-650.692	-2906.13
49248_9249	49248	9249	1630.272	109.736	-0.836	-2.514	642.757	2012.216
49249_9249	49249	9249	-1630.27	-109.736	4.824	-2.408	-642.757	-2012.22
49249_9250	49249	9250	1630.265	142.903	-4.824	2.408	593.871	732.027
49250_9250	49250	9250	-1630.42	-160.053	19.933	-2.503	-593.871	-731.959
49250_9251	49250	9251	1630.419	192.378	-19.933	2.503	396.996	-1008.53
49251_9251	49251	9251	-1630.37	-192.378	23.929	-0.032	-396.996	1008.531
49251_9252	49251	9252	1630.365	224.283	-23.929	0.032	163.719	-3039.52
49252_9252	49252	9252	-1629.95	-253.27	2.423	-64.084	-163.719	3038.391
49252_9253	49252	9253	1629.949	263.61	-2.423	64.084	156.063	-3854.92
49253_9253	49253	9253	-1629.94	-263.61	5.453	-56.918	-156.063	3855.032
49253_9254	49253	9254	1629.942	295.187	-5.453	56.918	104.253	-6509.44
49254_9254	49254	9254	-4.76	360.133	-28.7	67.68	109.433	16868.63
49254_9255	49254	9255	10.007	-315.519	28.7	-67.68	232.736	-12843.3
49255_9255	49255	9255	-22.142	272.906	22.193	-16.261	-222.688	12841.93
49255_9256	49255	9256	25.698	-234.604	-22.193	16.261	-14.37	-10132.7
49256_9256	49256	9256	-31.194	233.921	22.36	19.14	11.517	10132.68
49256_9257	49256	9257	33.826	-195.713	-22.36	-19.14	-257.682	-7768.76
49257_9257	49257	9257	-38.391	168.921	-9.668	-10.25	259.265	7768.637
49257_9258	49257	9258	39.237	-152.57	9.668	10.25	-212.821	-6996.47
49258_9258	49258	9258	-41.834	151.883	-9.589	-2.199	212.211	6996.494
49258_9259	49258	9259	42.838	-123.016	9.589	2.199	-115.289	-5607.52
49259_9259	49259	9259	-45.12	122.207	-9.464	10.516	114.986	5607.516
49259_9260	49259	9260	45.432	-103.144	9.464	-10.516	-51.315	-4849.55
49260_9260	49260	9260	-123.782	126.882	0.255	24.092	-7.643	-4730.88
49260_9261	49260	9261	123.834	-117.691	-0.255	-24.092	6.837	5118.125
49261_9261	49261	9261	-124.496	116.988	0.65	8.049	-6.7	-5086.63
49261_9262	49261	9262	124.496	-84.244	-0.65	-8.049	-0.747	6239.809
49262_9262	49262	9262	-124.494	84.244	1.042	-11.629	0.747	-6239.8
49262_9263	49262	9263	124.494	-56.041	-1.042	11.629	-11.038	6932.207
49263_9263	49263	9263	-124.493	33.732	1.197	7.434	11.038	-6932.69

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49263_9264	49263	9264	124.493	-0.177	-1.197	-7.434	-25.102	7131.82
49264_9264	49264	9264	-124.49	0.177	1.422	-5.447	25.102	-7131.82
49264_9265	49264	9265	124.49	32.146	-1.422	5.447	-41.194	6950.978
49265_9265	49265	9265	-124.503	-52.952	0.911	5.263	41.194	-6951.71
49265_9266	49265	9266	124.503	86.568	-0.911	-5.263	-51.918	6130.883
49266_9266	49266	9266	-124.501	-86.568	1.124	-5.182	51.918	-6130.88
49266_9267	49266	9267	124.501	118.835	-1.124	5.182	-64.607	4970.956
49267_9267	49267	9267	-124.49	-139.757	1.899	2.592	64.607	-4971.68
49267_9268	49267	9268	124.49	158.865	-1.899	-2.592	-77.307	3973.053
49268_9268	49268	9268	-124.489	-158.865	1.969	0.359	77.307	-3973.05
49268_9269	49268	9269	124.489	178.091	-1.969	-0.359	-90.556	2839.315
49269_9269	49269	9269	-122.235	-179.643	2.166	-5.835	90.49	-2870.86
49269_9270	49269	9270	121.859	209.518	-2.166	5.835	-111.366	995.87
49270_9270	49270	9270	-116.719	-232.293	-3.145	-6.084	111.287	-996.053
49270_9271	49270	9271	115.599	264.768	3.145	6.084	-78.642	-1582.85
49271_9271	49271	9271	-110.27	-267.034	-2.927	-4.609	78.671	1571.126
49271_9272	49271	9272	108.671	296.324	2.927	4.609	-54.796	-3868.73
49272_9272	49272	9272	-104.434	-297.847	-2.633	3.7	55.351	3868.722
49272_9273	49272	9273	103.135	316.679	2.633	-3.7	-41.763	-5454.45
49273_9273	49273	9273	-95.044	-340.429	7.046	-26.531	39.241	5455.443
49273_9274	49273	9274	91.116	385.21	-7.046	26.531	-123.364	-9784.99
49274_9274	49274	9274	-80.562	-387.546	7.512	6.478	126.786	9784.977
49274_9275	49274	9275	74.6	439.278	-7.512	-6.478	-225.515	-15215.2
49275_9275	49275	9275	-1740.81	90.342	-46.824	1.187	1033.149	1279.423
49275_9276	49275	9276	1740.812	-73.312	46.824	-1.187	-804.516	-879.88
49276_9276	49276	9276	-1740.86	73.312	-44.818	2.201	804.516	879.878
49276_9277	49276	9277	1740.864	-57.199	44.818	-2.201	-597.468	-578.413
49277_9277	49277	9277	-1740.94	57.199	-41.974	-0.537	597.468	731.176
49277_9278	49277	9278	1740.935	-27.3	41.974	0.537	-210.808	-341.984
49278_9278	49278	9278	-2618.6	234.428	-28.314	-11.418	297.332	7219.924
49278_9279	49278	9279	2618.596	-197.842	28.314	11.418	22.855	-4775.81
49279_9279	49279	9279	-2618.69	197.842	-17.1	9.034	-22.855	4775.818
49279_9280	49279	9280	2618.694	-160.141	17.1	-9.034	222.117	-2690.1
49280_9280	49280	9280	-2619.13	136.59	-24.557	-3.156	-222.117	2690.608
49280_9281	49280	9281	2619.132	-98.707	24.557	3.156	509.659	-1313.05
49281_9281	49281	9281	-2619.21	98.707	-14.013	2.13	-509.659	1313.057
49281_9282	49281	9282	2619.21	-60.07	14.013	-2.13	677.006	-365.003
49282_9282	49282	9282	-2619.36	35.622	-11.228	-0.455	-677.006	365.095
49282_9283	49282	9283	2619.357	0.928	11.228	0.455	816.305	-149.881
49283_9283	49283	9283	-2619.38	-0.928	1.306	0.262	-816.305	149.881
49283_9284	49283	9284	2619.381	34.029	-1.306	-0.262	801.633	-346.262
49284_9284	49284	9284	-2618.12	-68.286	53.264	-2.214	-801.633	346.341
49284_9285	49284	9285	2618.117	98.122	-53.264	2.214	262.209	-1188.98
49285_9285	49285	9285	-2617.95	-98.122	61.009	1.304	-262.209	1188.983
49285_9286	49285	9286	2617.948	125.751	-61.009	-1.304	-309.956	-2238.76
49286_9286	49286	9286	-2617.88	-160.838	-9.999	-34.755	309.956	2238.856
49286_9287	49286	9287	2617.877	172.694	9.999	34.755	-269.716	-2909.99
49287_9287	49287	9287	-2617.87	-172.694	-11.492	-35.406	269.716	2680.255
49287_9288	49287	9288	2617.871	202.976	11.492	35.406	-160.565	-4464.34
49288_9288	49288	9288	35.192	772.129	-23.313	55.501	-43.869	24258.54
49288_9289	49288	9289	-30.918	-733.05	23.313	-55.501	293.856	-16190.2
49289_9289	49289	9289	2.989	632.541	18.704	-14.451	-285.842	16194.07
49289_9290	49289	9290	0.353	-590.988	-18.704	14.451	63.216	-8914.26

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49290_9290	49290	9290	-18.199	590.704	18.825	10.091	-64.756	8914.25
49290_9291	49290	9291	20.159	-551.503	-18.825	-10.091	-153.592	-2291.2
49291_9291	49291	9291	-32.975	510.924	-12.289	6.796	153.769	2291.354
49291_9292	49291	9292	33.396	-497.118	12.289	-6.796	-102.787	-200.415
49292_9292	49292	9292	-41.934	496.474	-12.162	4.359	102.897	205.206
49292_9293	49292	9293	42.245	-473.274	12.162	-4.359	-5.459	3679.514
49293_9293	49293	9293	-48.482	472.678	-12.062	-3.214	5.518	-3679.52
49293_9294	49293	9294	48.488	-449.613	12.062	3.214	90.79	7361.367
49294_9294	49294	9294	-48.323	409.603	-1.303	35.898	-90.791	-7362.49
49294_9295	49294	9295	48.323	-398.026	1.303	-35.898	96.013	8980.9
49295_9295	49295	9295	-48.327	398.026	-1.14	5.693	-96.013	-8980.97
49295_9296	49295	9296	48.327	-363.993	1.14	-5.693	107.63	12861.99
49296_9296	49296	9296	-48.33	363.993	-1.028	-24.308	-107.63	-12862
49296_9297	49296	9297	48.33	-336.388	1.028	24.308	116.121	15755.27
49297_9297	49297	9297	-38.22	332.823	1.496	28.447	-23.777	-9884.37
49297_9298	49297	9298	38.22	-294.619	-1.496	-28.447	6.583	13489.85
49298_9298	49298	9298	-38.214	294.619	1.626	-17.44	-6.583	-13489.9
49298_9299	49298	9299	38.214	-259.118	-1.626	17.44	-10.782	16446.71
49299_9299	49299	9299	-38.237	221.857	0.581	37.814	10.782	-16449.1
49299_9300	49299	9300	38.237	-185.954	-0.581	-37.814	-17.061	18651.35
49300_9300	49300	9300	-38.235	185.954	0.705	-22.437	17.061	-18651.4
49300_9301	49300	9301	38.235	-143.384	-0.705	22.437	-26.088	20760.14
49301_9301	49301	9301	-38.268	105.582	-0.807	46.195	26.088	-20762.8
49301_9302	49301	9302	38.268	-66.164	0.807	-46.195	-16.525	21781.08
49302_9302	49302	9302	-38.271	66.164	-0.657	-38.761	16.525	-21781.1
49302_9303	49302	9303	38.271	-27.086	0.657	38.761	-8.799	22329.21
49303_9303	49303	9303	-38.261	-10.293	-0.026	36.147	8.799	-22332.4
49303_9304	49303	9304	38.261	52.049	0.026	-36.147	-8.472	21940.89
49304_9304	49304	9304	-38.261	-52.049	0.102	-37.404	8.472	-21940.9
49304_9305	49304	9305	38.261	88.758	-0.102	37.404	-9.601	21163.42
49305_9305	49305	9305	-38.267	-125.251	-0.103	41.794	9.601	-21166.1
49305_9306	49305	9306	38.267	161.986	0.103	-41.794	-8.467	19579.06
49306_9306	49306	9306	-38.268	-161.986	0.053	-37.911	8.467	-19579.1
49306_9307	49306	9307	38.268	203.714	-0.053	37.911	-9.134	17283.81
49307_9307	49307	9307	-38.26	-236.957	0.51	15.157	9.134	-17286
49307_9308	49307	9308	38.26	276.486	-0.51	-15.157	-15.203	14233.32
49308_9308	49308	9308	-38.259	-276.486	0.609	-21.603	15.203	-14233.3
49308_9309	49308	9309	38.259	315.388	-0.609	21.603	-22.332	10770.08
49309_9309	49309	9309	-38.314	-345.986	-2.105	4.38	22.332	-10771.3
49309_9310	49309	9310	38.314	385.69	2.105	-4.38	2.811	6401.783
49310_9310	49310	9310	-38.32	-385.69	-1.977	-16.992	-2.811	-6401.76
49310_9311	49310	9311	38.32	424.43	1.977	16.992	25.853	1681.279
49311_9311	49311	9311	-38.134	-443.572	7.794	-13.213	-25.853	-1681.41
49311_9312	49311	9312	38.134	454.6	-7.794	13.213	0	191.678

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1	2	3	4	5	6	7	8	9	14
7000_7000	7000	7000	62.55	449.74	2.995	3.121	0	-347.775	1
7000_7001	7000	7001	-53.749	-419.103	-2.995	-3.121	-31.465	4871.669	1
7001_7001	7001	7001	53.749	419.103	2.995	3.143	31.465	-4871.67	1
7001_7002	7001	7002	-45.877	-391.703	-2.995	-3.143	-59.605	8644.872	1
7002_7002	7002	7002	45.842	335.098	-2.665	8.337	59.605	-8644.86	1
7002_7003	7002	7003	-39.437	-299.791	2.665	-8.337	-27.337	12459.56	1
7003_7003	7003	7003	39.433	299.791	-2.665	-2.758	27.337	-12459.6	1
7003_7004	7003	7004	-33.024	-264.46	2.665	2.758	4.958	15849.02	1
7004_7004	7004	7004	33.041	219.825	-0.085	17.351	-4.958	-15849.1	1
7004_7005	7004	7005	-27.176	-184.526	0.085	-17.351	5.984	18270.06	1
7005_7005	7005	7005	27.176	184.526	-0.085	-13.527	-5.984	-18270.1	1
7005_7006	7005	7006	-21.307	-149.207	0.085	13.527	7.017	20264.78	1
7006_7006	7006	7006	21.308	106.691	0.974	18.843	-7.017	-20264.9	1
7006_7007	7006	7007	-17.575	-71.375	-0.974	-18.843	-4.784	21326.67	1
7007_7007	7007	7007	17.577	71.375	0.974	-17.209	4.784	-21326.7	1
7007_7008	7007	7008	-13.842	-36.038	-0.974	17.209	-16.586	21960.99	1
7008_7008	7008	7008	13.838	-6.021	-0.356	18.068	16.586	-21961.1	1
7008_7009	7008	7009	-12.672	41.326	0.356	-18.068	-12.271	21669.88	1
7009_7009	7009	7009	12.671	-41.326	-0.357	-18.501	12.271	-21669.9	1
7009_7010	7009	7010	-11.505	76.652	0.357	18.501	-7.947	20950.64	1
7010_7010	7010	7010	11.512	-117.696	0.694	14.118	7.947	-20950.9	1
7010_7011	7010	7011	-12.794	153.019	-0.694	-14.118	-16.352	19317.94	1
7011_7011	7011	7011	12.795	-153.019	0.693	-16.419	16.352	-19317.9	1
7011_7012	7011	7012	-14.076	188.334	-0.693	16.419	-24.75	17257.62	1
7012_7012	7012	7012	14.075	-230.347	0.542	9.998	24.75	-17257.7	1
7012_7013	7012	7013	-17.83	265.659	-0.542	-9.998	-31.311	14272.74	1
7013_7013	7013	7013	17.83	-265.659	0.541	-13.666	31.311	-14272.7	1
7013_7014	7013	7014	-21.587	300.993	-0.541	13.666	-37.87	10857.86	1
7014_7014	7014	7014	21.591	-344.315	0.236	1.544	37.87	-10858	1
7014_7015	7014	7015	-25.838	390.511	-0.236	-1.544	-41.602	5058.096	1
7015_7015	7015	7015	24.497	-389.419	0.154	-4.382	40.516	-5013.77	1
7015_7016	7015	7016	-28.363	411.909	-0.154	4.386	-41.789	1714.91	1
7016_7016	7016	7016	62.544	-459.707	0.182	-3.911	46.088	-1834.1	1
7016_7017	7016	7017	-72.2	491.807	-0.182	3.92	-48.225	-3721.55	1.06
7017_7017	7017	7017	86.435	-489.64	0.18	1.92	48.538	3719.059	1.06
7017_7018	7017	7018	-96.11	528.523	-0.18	-1.905	-50.932	-10434	1.02
7018_7018	7018	7018	115.162	-574.344	-0.683	-21.086	49.044	10434.23	1.02
7018_7019	7018	7019	-123.744	612.904	0.683	21.039	-40.481	-17841.7	1.01
7019_7019	7019	7019	140.58	-609.671	-0.684	20.268	44.855	17842.52	1.01
7019_7020	7019	7020	-148.161	650.709	0.684	-20.32	-36.248	-25730.1	1
7020_7020	7020	7020	-2391.06	214.282	-22.072	-3.136	501.262	5595.764	1
7020_7021	7020	7021	2390.714	-187.711	22.072	3.136	-291.597	-3685.14	1
7021_7021	7021	7021	-2391.2	187.713	-20.751	-0.952	292.86	3687.481	1
7021_7022	7021	7022	2390.91	-168.147	20.751	0.952	-132.087	-2307.84	1
7022_7022	7022	7022	-2390.93	168.147	-17.665	2.134	132.087	2307.843	1
7022_7023	7022	7023	2390.646	-148.584	17.665	-2.134	4.76	-1079.96	1
7023_7023	7023	7023	-2390.68	100.303	-6.588	-0.736	-4.76	1079.868	1
7023_7024	7023	7024	2390.153	-80.082	6.588	0.736	57.516	-355.637	1
7024_7024	7024	7024	-2390.16	80.082	-3.925	-0.239	-57.516	355.638	1
7024_7025	7024	7025	2389.639	-59.889	3.925	0.239	88.903	206.011	1
7025_7025	7025	7025	-2389.64	59.889	-3.925	-0.239	-88.903	-206.011	1
7025_7026	7025	7026	2389.118	-39.696	3.925	0.239	120.29	606.187	1
7026_7026	7026	7026	-2389.12	-8.134	-3.685	-0.181	-120.29	-606.285	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7026_7027	7026	7027	2388.174	23.296	3.685	0.181	142.415	515.683	1
7027_7027	7027	7027	-2388.17	-23.296	-4.113	-0.104	-142.415	-515.683	1
7027_7028	7027	7028	2387.226	38.434	4.113	0.104	167.067	334.418	1
7028_7028	7028	7028	-2387.23	-38.434	0.299	-0.575	-167.067	-334.418	1
7028_7029	7028	7029	2386.281	53.593	-0.299	0.575	165.274	61.946	1
7029_7029	7029	7029	-2386.28	-53.593	0.299	-0.575	-165.274	-61.946	1
7029_7030	7029	7030	2385.333	68.753	-0.299	0.575	163.48	-301.533	1
7030_7030	7030	7030	-2385.34	-116.212	1.597	-1.474	-163.48	301.518	1
7030_7031	7030	7031	2383.335	136.397	-1.597	1.474	150.718	-1303.13	1
7031_7031	7031	7031	-2383.34	-136.397	1.909	-1.298	-150.718	1303.133	1
7031_7032	7031	7032	2381.331	156.607	-1.909	1.298	135.442	-2467.64	1
7032_7032	7032	7032	-2381.33	-156.607	4.898	1.823	-135.442	2467.64	1
7032_7033	7032	7033	2379.323	176.815	-4.898	-1.823	96.246	-3793.71	1
7033_7033	7033	7033	-2379.28	-225.952	14.984	0.073	-96.246	3793.784	1
7033_7034	7033	7034	2376.985	245.521	-14.984	-0.073	-19.869	-5611.47	1
7034_7034	7034	7034	-2377	-245.521	11.896	-7.153	19.869	5611.46	1
7034_7035	7034	7035	2374.71	265.093	-11.896	7.153	-112.07	-7581.06	1
7035_7035	7035	7035	-2375.45	-265.106	16.435	7.349	111.018	7584.778	1
7035_7036	7035	7036	2372.765	291.672	-16.435	-7.349	-267.112	-10218.1	1.02
7036_7036	7036	7036	156.94	544.329	-0.049	-10.83	-20.941	31646.1	1.02
7036_7037	7036	7037	-152.557	-503.251	0.049	10.793	21.557	-25086.5	1.02
7037_7037	7037	7037	138.662	506.51	-0.064	9.676	-23.619	25085.71	1.02
7037_7038	7037	7038	-134.06	-467.922	0.064	-9.709	24.426	-19003.7	1.02
7038_7038	7038	7038	118.364	428.409	1.72	-5.957	-23.144	19003.75	1.02
7038_7039	7038	7039	-113.593	-389.479	-1.72	5.975	0.312	-13602.2	1.03
7039_7039	7039	7039	613.58	385.053	0.991	5.839	-0.039	10859.15	1.03
7039_7040	7039	7040	-616.151	-353.088	-0.991	-5.849	-11.617	-6619.27	1.04
7040_7040	7040	7040	608.194	306.857	0.048	2.185	11.827	6620.409	1.04
7040_7041	7040	7041	-588.957	-284.832	-0.048	-2.187	-12.219	-4294.59	1.06
7041_7041	7041	7041	668.158	287.37	-0.054	-0.48	10.551	3892.715	1.06
7041_7042	7041	7042	-596.403	-250.449	0.054	0.48	-9.725	-67.828	1
7042_7042	7042	7042	596.408	205.068	-0.091	5.505	9.725	67.846	1
7042_7043	7042	7043	-544.838	-176.587	0.091	-5.505	-8.647	1970.257	1
7043_7043	7043	7043	544.837	176.587	-0.143	-5.031	8.647	-1970.26	1
7043_7044	7043	7044	-493.274	-148.11	0.143	5.031	-6.943	3669.2	1
7044_7044	7044	7044	493.278	107.513	-0.039	3.156	6.943	-3669.21	1
7044_7045	7044	7045	-444.215	-79.014	0.039	-3.156	-6.473	4556.762	1
7045_7045	7045	7045	444.215	79.014	-0.063	-2.862	6.473	-4556.76	1
7045_7046	7045	7046	-395.197	-50.542	0.063	2.862	-5.718	5104.63	1
7046_7046	7046	7046	395.194	9.775	0.152	6.056	5.718	-5104.64	1
7046_7047	7046	7047	-349.266	18.717	-0.152	-6.056	-7.531	4841.052	1
7047_7047	7047	7047	349.266	-18.717	0.1	-6.031	7.531	-4841.05	1
7047_7048	7047	7048	-303.344	47.205	-0.1	6.031	-8.717	4238.392	1
7048_7048	7048	7048	303.342	-88.44	-0.073	1.692	8.717	-4238.41	1
7048_7049	7048	7049	-260.388	116.925	0.073	-1.692	-7.849	2817.843	1
7049_7049	7049	7049	260.388	-116.925	-0.099	-1.888	7.849	-2817.84	1
7049_7050	7049	7050	-217.436	145.409	0.099	1.888	-6.668	1058.377	1
7050_7050	7050	7050	217.436	-187.011	0.413	-1.074	6.668	-1058.38	1
7050_7051	7050	7051	-163.419	223.92	-0.413	1.074	-13.043	-2360.98	1.13
7051_7051	7051	7051	162.537	-222.235	0.373	2.168	13.158	2378.649	1.13
7051_7052	7051	7052	-135.33	242.626	-0.373	-2.166	-16.237	-4423.63	1.06
7052_7052	7052	7052	142.263	-287.461	-0.381	-7.318	15.98	4424.261	1.06
7052_7053	7052	7053	-110.31	316.932	0.381	7.326	-11.502	-8149.56	1.03
7053_7053	7053	7053	103.348	-314.381	-0.247	11.579	20.584	8235.684	1.03

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7053_7054	7053	7054	-86.466	352.114	0.247	-11.567	-17.308	-12786	1.03
7054_7054	7054	7054	100.519	-393.124	-1.007	-15.131	15.271	12787.99	1.03
7054_7055	7054	7055	-96.16	430.337	1.007	15.107	-2.644	-18042.1	1.01
7055_7055	7055	7055	108.193	-426.373	-1.057	15.946	5.894	18045.03	1.01
7055_7056	7055	7056	-111.964	465.767	1.057	-15.972	7.396	-23718.5	1
7056_7056	7056	7056	-1984.3	269.798	-16.338	-5.254	301.244	7457.583	1
7056_7057	7056	7057	1992.873	-244.031	16.338	5.254	-145.928	-5054.54	1
7057_7057	7057	7057	-1994.39	244.03	-13.913	1.341	147.057	5023.855	1
7057_7058	7057	7058	2001.434	-223.482	13.913	-1.341	-39.217	-3244.18	1
7058_7058	7058	7058	-2001.45	223.482	-11.121	6.22	39.217	3244.171	1
7058_7059	7058	7059	2008.487	-202.936	11.121	-6.22	46.977	-1623.91	1
7059_7059	7059	7059	-2008.48	156.508	-6.435	-0.762	-46.977	1623.975	1
7059_7060	7059	7060	2015.371	-135.323	6.435	0.762	98.401	-489.6	1
7060_7060	7060	7060	-2015.38	135.323	-3.534	0.834	-98.401	489.598	1
7060_7061	7060	7061	2022.277	-114.114	3.534	-0.834	126.672	476.511	1
7061_7061	7061	7061	-2022.28	114.114	-0.829	1.215	-126.672	-476.513	1
7061_7062	7061	7062	2029.178	-92.907	0.829	-1.215	133.302	1272.88	1
7062_7062	7062	7062	-2029.18	47.787	-2.827	1.134	-133.302	-1273.02	1
7062_7063	7062	7063	2033.859	-31.868	2.827	-1.134	150.279	1490.369	1
7063_7063	7063	7063	-2033.86	31.868	0.777	0.181	-150.279	-1490.37	1
7063_7064	7063	7064	2038.539	-15.952	-0.777	-0.181	145.612	1612.126	1
7064_7064	7064	7064	-2038.54	15.952	0.53	0.254	-145.612	-1612.13	1
7064_7065	7064	7065	2043.21	-0.061	-0.53	-0.254	142.435	1638.352	1
7065_7065	7065	7065	-2043.21	0.061	0.777	0.184	-142.435	-1638.35	1
7065_7066	7065	7066	2047.889	15.855	-0.777	-0.184	137.769	1569.136	1
7066_7066	7066	7066	-2047.89	-61.288	4.325	0.435	-137.769	-1569.06	1
7066_7067	7066	7067	2053.364	82.49	-4.325	-0.435	103.18	968.133	1
7067_7067	7067	7067	-2053.36	-82.49	4.325	0.435	-103.18	-968.133	1
7067_7068	7067	7068	2058.84	103.691	-4.325	-0.435	68.591	197.648	1
7068_7068	7068	7068	-2058.84	-103.691	4.504	0.52	-68.591	-197.649	1
7068_7069	7068	7069	2064.324	124.919	-4.504	-0.52	32.521	-743.677	1
7069_7069	7069	7069	-2064.29	-170.575	12.882	-2.916	-32.521	743.82	1
7069_7070	7069	7070	2069.483	191.11	-12.882	2.916	-67.265	-2169.5	1
7070_7070	7070	7070	-2069.47	-191.11	15.677	1.633	67.265	2169.498	1
7070_7071	7070	7071	2074.662	211.643	-15.677	-1.633	-188.691	-3754.11	1
7071_7071	7071	7071	-2071.83	-211.642	15.849	2.421	189.633	3779.839	1
7071_7072	7071	7072	2078.042	237.388	-15.849	-2.421	-340.183	-5942.32	1
7072_7072	7072	7072	71.508	500.932	0.838	-6.649	-3.31	21856.15	1
7072_7073	7072	7073	-40.902	-461.872	-0.838	6.615	-7.231	-15873.4	1
7073_7073	7073	7073	28.075	465.843	0.815	8.267	5.663	15871.48	1
7073_7074	7073	7074	3.668	-429.046	-0.815	-8.298	-15.887	-10322.5	1
7074_7074	7074	7074	-18.329	390.676	0.056	0.331	16.589	10321.59	1
7074_7075	7074	7075	45.532	-353.371	-0.056	-0.305	-17.332	-5423.81	1
7075_7075	7075	7075	436.082	349.953	0.242	1.012	11.514	2781.525	1
7075_7076	7075	7076	-435.368	-321.506	-0.242	-0.997	-14.354	1103.445	1
7076_7076	7076	7076	428.067	278.46	0.053	4.767	14.324	-1102.82	1
7076_7077	7076	7077	-416.507	-258.779	-0.053	-4.769	-14.762	3254.715	1
7077_7077	7077	7077	384.226	261.352	0.047	-3.076	16.403	-3222.45	1
7077_7078	7077	7078	-353.865	-225.997	-0.047	3.076	-17.063	6487.328	1
7078_7078	7078	7078	353.861	187.567	-0.431	5.306	17.063	-6487.36	1
7078_7079	7078	7079	-331.314	-159.256	0.431	-5.306	-12.235	8323.074	1
7079_7079	7079	7079	331.313	159.256	-0.456	-3.744	12.235	-8323.07	1
7079_7080	7079	7080	-308.787	-130.97	0.456	3.744	-7.136	9840.512	1
7080_7080	7080	7080	308.79	94.694	0.098	6.335	7.136	-9840.59	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7080_7081	7080	7081	-288.471	-66.412	-0.098	-6.335	-8.23	10645.16	1
7081_7081	7081	7081	288.471	66.412	0.07	-5.444	8.23	-10645.2	1
7081_7082	7081	7082	-268.134	-38.105	-0.07	5.444	-9.018	11133.67	1
7082_7082	7082	7082	268.136	-0.151	-0.095	5.247	9.018	-11133.8	1
7082_7083	7082	7083	-249.104	30.557	0.095	-5.247	-7.876	10857.59	1
7083_7083	7083	7083	249.104	-30.557	-0.119	-4.954	7.876	-10857.6	1
7083_7084	7083	7084	-230.073	60.962	0.119	4.954	-6.443	10215.82	1
7084_7084	7084	7084	230.074	-98.895	-0.087	3.985	6.443	-10215.9	1
7084_7085	7084	7085	-214.974	127.196	0.087	-3.985	-5.466	8876.657	1
7085_7085	7085	7085	214.974	-127.196	-0.112	-4.398	5.466	-8876.66	1
7085_7086	7085	7086	-199.887	155.471	0.112	4.398	-4.212	7222.354	1
7086_7086	7086	7086	199.884	-192.409	0.027	4.386	4.212	-7222.36	1
7086_7087	7086	7087	-187.249	220.708	-0.027	-4.386	-4.509	4847.277	1
7087_7087	7087	7087	187.248	-220.708	-0.026	-5.293	4.509	-4847.28	1
7087_7088	7087	7088	-174.614	249.005	0.026	5.293	-4.223	2155.705	1
7088_7088	7088	7088	174.616	-285.628	0.142	-2.023	4.223	-2155.71	1
7088_7089	7088	7089	-160.747	319.644	-0.142	2.023	-6.137	-1986.3	1
7089_7089	7089	7089	163.717	-317.927	0.082	1.389	6.03	2036.704	1
7089_7090	7089	7090	-155.114	338.734	-0.082	-1.388	-6.703	-4786.9	1.03
7090_7090	7090	7090	163.798	-378.392	-0.357	-8.913	6.398	4787.347	1.03
7090_7091	7090	7091	-154.893	408.365	0.357	8.92	-2.203	-9464.43	1.02
7091_7091	7091	7091	152.621	-404.664	-0.207	6.69	7.746	9539.616	1.02
7091_7092	7091	7092	-148.658	441.708	0.207	-6.685	-5.003	-15197.6	1.01
7092_7092	7092	7092	164.981	-481.032	-0.917	-17.897	3.008	15199.2	1.01
7092_7093	7092	7093	-165.824	517.658	0.917	17.859	8.493	-21490.6	1.01
7093_7093	7093	7093	180.134	-512.68	-0.965	17.983	-4.814	21493.31	1.01
7093_7094	7093	7094	-184.054	551.543	0.965	-18.025	16.955	-28206.3	1.01
7094_7094	7094	7094	-2223.34	241.002	-11.024	-5.333	159.013	8029.1	1.01
7094_7095	7094	7095	2227.905	-215.682	11.024	5.333	-54.221	-5878.69	1
7095_7095	7095	7095	-2229.72	215.693	-8.816	0.274	52.996	5887.49	1
7095_7096	7095	7096	2233.258	-195.656	8.816	-0.274	15.279	-4310.3	1
7096_7096	7096	7096	-2233.27	195.656	-5.673	6.533	-15.279	4310.298	1
7096_7097	7096	7097	2236.81	-175.595	5.673	-6.533	59.268	-2886.61	1
7097_7097	7097	7097	-2236.81	131.538	-0.482	-2.878	-59.268	2886.601	1
7097_7098	7097	7098	2240.197	-110.855	0.482	2.878	63.123	-1932.8	1
7098_7098	7098	7098	-2240.2	110.855	2.56	0.233	-63.123	1932.8	1
7098_7099	7098	7099	2243.583	-90.147	-2.56	-0.233	42.635	-1143.49	1
7099_7099	7099	7099	-2243.58	90.147	5.502	2.315	-42.635	1143.492	1
7099_7100	7099	7100	2246.965	-69.44	-5.502	-2.315	-1.404	-519.958	1
7100_7100	7100	7100	-2246.99	25.887	-0.508	-0.117	1.404	520.067	1
7100_7101	7100	7101	2249.055	-10.382	0.508	0.117	1.64	-420.85	1
7101_7101	7101	7101	-2249.05	10.382	3.54	1.642	-1.64	420.848	1
7101_7102	7101	7102	2251.125	5.148	-3.54	-1.642	-19.611	-414.616	1
7102_7102	7102	7102	-2251.12	-5.148	-4.307	-1.854	19.611	414.617	1
7102_7103	7102	7103	2253.197	20.679	4.307	1.854	6.245	-501.618	1
7103_7103	7103	7103	-2253.2	-20.679	-0.508	0.03	-6.245	501.619	1
7103_7104	7103	7104	2255.27	36.183	0.508	-0.03	9.289	-681.47	1
7104_7104	7104	7104	-2255.27	-79.978	-4.554	-1.79	-9.289	681.377	1
7104_7105	7104	7105	2257.357	100.685	4.554	1.79	45.738	-1414.31	1
7105_7105	7105	7105	-2257.36	-100.685	-1.611	0.897	-45.738	1414.31	1
7105_7106	7105	7106	2259.448	121.391	1.611	-0.897	58.632	-2312.94	1
7106_7106	7106	7106	-2259.45	-121.391	-1.699	0.781	-58.632	2312.943	1
7106_7107	7106	7107	2261.534	142.072	1.699	-0.781	72.217	-3375.87	1
7107_7107	7107	7107	-2261.52	-185.691	7.31	-2.93	-72.217	3375.919	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7107_7108	7107	7108	2263.317	205.749	-7.31	2.93	15.539	-4902.13	1
7108_7108	7108	7108	-2263.32	-205.749	7.31	-2.93	-15.539	4902.127	1
7108_7109	7108	7109	2265.116	225.807	-7.31	2.93	-41.139	-6583.85	1
7109_7109	7109	7109	-2265.56	-225.809	9.68	4.45	41.203	6586.045	1
7109_7110	7109	7110	2267.855	251.096	-9.68	-4.45	-133.097	-8860.99	1.01
7110_7110	7110	7110	172.699	536.203	0.396	-19.841	-5.81	29249.36	1.01
7110_7111	7110	7111	-156.275	-497.477	-0.396	19.803	0.831	-22789.8	1.01
7111_7111	7111	7111	142.47	502.676	0.329	19.485	-4.889	22787.89	1.01
7111_7112	7111	7112	-124.718	-466.224	-0.329	-19.52	0.768	-16753.6	1.02
7112_7112	7112	7112	109.18	431.032	0.269	-2.852	1.147	16752.93	1.02
7112_7113	7112	7113	-92.552	-394.182	-0.269	2.864	-4.712	-11314.2	1.03
7113_7113	7113	7113	511.484	393.141	0.27	4.49	10.013	9003.574	1.03
7113_7114	7113	7114	-510.714	-363.353	-0.27	-4.484	-13.19	-4630.97	1.05
7114_7114	7114	7114	502.533	321.791	-0.058	1.451	13.299	4631.884	1.05
7114_7115	7114	7115	-487.405	-301.199	0.058	-1.453	-12.823	-2144.23	1.1
7115_7115	7115	7115	540.59	303.814	-0.094	0.186	12.609	1713.12	1.1
7115_7116	7115	7116	-492.241	-270.916	0.094	-0.186	-11.302	2077.869	1
7116_7116	7116	7116	492.242	231.798	-0.267	3.815	11.302	-2077.87	1
7116_7117	7116	7117	-456.219	-205.447	0.267	-3.815	-8.309	4357.075	1
7117_7117	7117	7117	456.219	205.447	-0.303	-3.054	8.309	-4357.07	1
7117_7118	7117	7118	-420.229	-179.121	0.303	3.054	-4.92	6339.693	1
7118_7118	7118	7118	420.224	144.149	-0.18	0.234	4.92	-6339.65	1
7118_7119	7118	7119	-386.69	-117.799	0.18	-0.234	-2.909	7648.438	1
7119_7119	7119	7119	386.69	117.799	-0.18	0.234	2.909	-7648.44	1
7119_7120	7119	7120	-353.156	-91.45	0.18	-0.234	-0.898	8662.339	1
7120_7120	7120	7120	353.163	53.476	-0.061	9.168	0.898	-8662.39	1
7120_7121	7120	7121	-320.289	-25.173	0.061	-9.168	-0.162	8979.983	1
7121_7121	7121	7121	320.289	25.173	-0.129	-9.125	0.162	-8979.98	1
7121_7122	7121	7122	-287.416	3.13	0.129	9.125	1.386	8957.341	1
7122_7122	7122	7122	287.415	-40.745	-0.15	4.101	-1.386	-8957.34	1
7122_7123	7122	7123	-259.954	67.092	0.15	-4.101	3.063	8223.031	1
7123_7123	7123	7123	259.954	-67.092	-0.186	-4.431	-3.063	-8223.03	1
7123_7124	7123	7124	-232.492	93.44	0.186	4.431	5.147	7193.879	1
7124_7124	7124	7124	232.492	-130.444	0.001	5.215	-5.147	-7193.88	1
7124_7125	7124	7125	-208.183	156.791	-0.001	-5.215	5.137	5469.378	1
7125_7125	7125	7125	208.183	-156.791	-0.072	-5.807	-5.137	-5469.38	1
7125_7126	7125	7126	-183.874	183.138	0.072	5.807	5.939	3450.07	1
7126_7126	7126	7126	183.881	-220.072	0.018	-0.205	-5.939	-3450.07	1
7126_7127	7126	7127	-156.828	251.905	-0.018	0.205	5.695	127.236	1.06
7127_7127	7127	7127	160.666	-250.031	-0.046	-0.447	-5.873	-86.252	1.06
7127_7128	7127	7128	-143.659	268.966	0.046	0.449	6.253	-2136.17	1.06
7128_7128	7128	7128	151.014	-311.698	-0.573	-5.094	-6.417	2136.776	1.06
7128_7129	7128	7129	-134.47	339.001	0.573	5.092	13.157	-6058.75	1.06
7129_7129	7129	7129	134.449	-334.376	-1.354	8.769	-18.188	6111.898	1.06
7129_7130	7129	7130	-130.044	370.185	1.354	-8.743	36.169	-10855.9	1.03
7130_7130	7130	7130	144.095	-405.656	2.083	-6.125	-37.331	10858.06	1.03
7130_7131	7130	7131	-147.577	441.066	-2.083	6.057	11.189	-16215.6	1.03
7131_7131	7131	7131	163.379	-433.836	2.053	6.493	-9.87	16219.79	1.03
7131_7132	7131	7132	-171.789	468.98	-2.053	-6.567	-14.303	-21562.7	1.03
7132_7132	7132	7132	-1943.22	216.883	14.252	6.242	-176.674	5745.618	1.03
7132_7133	7132	7133	1946.295	-190.3	-14.252	-6.242	29.598	-3659.28	1
7133_7133	7133	7133	-1953.28	190.297	11.486	0.686	-28.989	3693.286	1
7133_7134	7133	7134	1955.948	-172.046	-11.486	-0.686	-60.029	-2301.97	1
7134_7134	7134	7134	-1955.98	172.046	6.046	-6.711	60.029	2301.96	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7134_7135	7134	7135	1958.651	-153.772	-6.046	6.711	-106.945	-1050.56	1
7135_7135	7135	7135	-1958.63	115.356	-3.108	-0.792	106.945	1050.643	1
7135_7136	7135	7136	1961.993	-96.54	3.108	0.792	-82.113	-219.65	1
7136_7136	7136	7136	-1962	96.54	-0.451	0.328	82.113	219.65	1
7136_7137	7136	7137	1965.363	-77.701	0.451	-0.328	-78.504	461.753	1
7137_7137	7137	7137	-1965.36	77.701	-0.451	0.328	78.504	-461.753	1
7137_7138	7137	7138	1968.73	-58.861	0.451	-0.328	-74.895	992.437	1
7138_7138	7138	7138	-1968.73	19.779	-4.535	0.221	74.895	-992.492	1
7138_7139	7138	7139	1970.646	-5.649	4.535	-0.221	-47.685	1059.454	1
7139_7139	7139	7139	-1970.65	5.649	-1.015	-0.188	47.685	-1059.46	1
7139_7140	7139	7140	1972.572	8.481	1.015	0.188	-41.597	1041.637	1
7140_7140	7140	7140	-1972.57	-8.481	-1.015	-0.188	41.597	-1041.64	1
7140_7141	7140	7141	1974.494	22.61	1.015	0.188	-35.509	939.039	1
7141_7141	7141	7141	-1974.49	-22.61	-1.015	-0.188	35.509	-939.039	1
7141_7142	7141	7142	1976.416	36.74	1.015	0.188	-29.421	751.663	1
7142_7142	7142	7142	-1976.41	-77.827	-4.28	-0.883	29.421	-751.727	1
7142_7143	7142	7143	1978.108	96.667	4.28	0.883	4.819	44.743	1
7143_7143	7143	7143	-1978.11	-96.667	-1.64	0.273	-4.819	-44.743	1
7143_7144	7143	7144	1979.806	115.507	1.64	-0.273	17.937	-812.955	1
7144_7144	7144	7144	-1979.81	-115.507	-1.64	0.273	-17.937	812.955	1
7144_7145	7144	7145	1981.501	134.346	1.64	-0.273	31.055	-1821.37	1
7145_7145	7145	7145	-1981.51	-177.955	0.699	1.614	-31.055	1821.302	1
7145_7146	7145	7146	1982.971	196.206	-0.699	-1.614	25.641	-3279.33	1
7146_7146	7146	7146	-1982.97	-196.206	-2.027	-4.038	-25.641	3279.332	1
7146_7147	7146	7147	1984.435	214.457	2.027	4.038	41.348	-4878.82	1
7147_7147	7147	7147	-1972.32	-214.46	0.478	3.075	-41.36	4819.691	1
7147_7148	7147	7148	1973.783	238.931	-0.478	-3.075	36.821	-6981.65	1
7148_7148	7148	7148	172.05	461.823	-0.271	-8.659	-12.127	23548.33	1
7148_7149	7148	7149	-150.728	-424.353	0.271	8.628	15.539	-18013.5	1
7149_7149	7149	7149	138.875	430.479	-0.32	8.209	-17.258	18011.12	1
7149_7150	7149	7150	-116.833	-395.268	0.32	-8.238	21.276	-12869.5	1
7150_7150	7150	7150	103.053	358.123	1.751	-0.921	-20.431	12868.06	1
7150_7151	7150	7151	-84.736	-322.506	-1.751	0.942	-2.812	-8370.45	1
7151_7151	7151	7151	602.547	320.478	0.54	0.781	-7.286	5538.329	1
7151_7152	7151	7152	-597.859	-292.34	-0.54	-0.792	0.936	-2035.9	1
7152_7152	7152	7152	591.161	247.046	-0.24	-2.516	-0.88	2036.495	1
7152_7153	7152	7153	-572.035	-227.625	0.24	2.521	2.859	-179.684	1
7153_7153	7153	7153	603.402	231.022	-0.149	1.334	-3.27	14.452	1
7153_7154	7153	7154	-549.295	-199.649	0.149	-1.334	5.323	2712.425	1
7154_7154	7154	7154	549.289	157.459	0.074	0.113	-5.323	-2712.41	1
7154_7155	7154	7155	-509.279	-132.36	-0.074	-0.113	4.511	4132.9	1
7155_7155	7155	7155	509.279	132.36	0.074	0.113	-4.511	-4132.9	1
7155_7156	7155	7156	-469.269	-107.261	-0.074	-0.113	3.699	5277.295	1
7156_7156	7156	7156	469.271	71.435	0.027	-4.046	-3.699	-5277.3	1
7156_7157	7156	7157	-434.731	-48.618	-0.027	4.046	3.428	5726.965	1
7157_7157	7157	7157	434.731	48.618	0.082	4.126	-3.428	-5726.97	1
7157_7158	7157	7158	-400.191	-25.8	-0.082	-4.126	2.608	5948.461	1
7158_7158	7158	7158	400.185	-7.249	0.07	-3.76	-2.608	-5948.43	1
7158_7159	7158	7159	-368.005	30.089	-0.07	3.76	1.911	5620.392	1
7159_7159	7159	7159	368.005	-30.089	0.125	3.674	-1.911	-5620.39	1
7159_7160	7159	7160	-335.856	52.906	-0.125	-3.674	0.664	5064.384	1
7160_7160	7160	7160	335.856	-90.042	0.106	-2.35	-0.664	-5064.37	1
7160_7161	7160	7161	-303.251	115.141	-0.106	2.35	-0.499	3791.841	1
7161_7161	7161	7161	303.251	-115.141	0.156	2.104	0.499	-3791.84	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7161_7162	7161	7162	-270.646	140.24	-0.156	-2.104	-2.211	2243.215	1
7162_7162	7162	7162	270.645	-180.64	0.269	-0.241	2.211	-2243.23	1
7162_7163	7162	7163	-232.087	212.013	-0.269	0.241	-5.914	-627.96	1.01
7163_7163	7163	7163	236.051	-209.371	0.217	0.026	5.934	621.127	1.01
7163_7164	7163	7164	-213.662	228.834	-0.217	-0.026	-7.727	-2530.99	1.01
7164_7164	7164	7164	220.288	-273.645	0.061	-1.906	7.668	2531.734	1.01
7164_7165	7164	7165	-195.042	301.726	-0.061	1.915	-8.386	-6046.09	1.01
7165_7165	7165	7165	185.483	-295.532	0.208	2.361	10.947	6145.363	1.01
7165_7166	7165	7166	-170.75	331.765	-0.208	-2.352	-13.71	-10433	1.01
7166_7166	7166	7166	184.874	-377.857	-0.047	-6.402	13.021	10435.12	1.01
7166_7167	7166	7167	-182.741	413.643	0.047	6.379	-12.436	-15498.3	1.01
7167_7167	7167	7167	194.299	-406.436	-0.094	6.954	13.86	15501.75	1.01
7167_7168	7167	7168	-199.785	444.395	0.094	-6.979	-12.683	-20937.5	1
7168_7168	7168	7168	-1853.22	245.453	-1.627	-3.431	7.869	6026.325	1
7168_7169	7168	7169	1859.899	-220.648	1.627	3.431	7.59	-3841.1	1
7169_7169	7169	7169	-1866.2	220.633	0.678	1.496	-6.563	3871.857	1
7169_7170	7169	7170	1872.049	-201.878	-0.678	-1.496	1.312	-2259.96	1
7170_7170	7170	7170	-1872.05	201.878	0.678	1.496	-1.312	2259.957	1
7170_7171	7170	7171	1877.902	-183.124	-0.678	-1.496	-3.939	-793.405	1
7171_7171	7171	7171	-1877.88	135.794	0.782	0.551	3.939	793.299	1
7171_7172	7171	7172	1883.653	-116.435	-0.782	-0.551	-10.194	190.547	1
7172_7172	7172	7172	-1883.65	116.435	-1.804	-0.03	10.194	-190.547	1
7172_7173	7172	7173	1889.423	-97.075	1.804	0.03	4.237	1019.522	1
7173_7173	7173	7173	-1889.42	97.075	0.782	-0.411	-4.237	-1019.52	1
7173_7174	7173	7174	1895.194	-77.716	-0.782	0.411	-2.017	1693.614	1
7174_7174	7174	7174	-1895.2	33.295	0.872	-0.423	2.017	-1693.69	1
7174_7175	7174	7175	1899.023	-18.775	-0.872	0.423	-7.252	1833.047	1
7175_7175	7175	7175	-1899.02	18.775	-2.575	1.273	7.252	-1833.05	1
7175_7176	7175	7176	1902.847	-4.256	2.575	-1.273	8.199	1885.281	1
7176_7176	7176	7176	-1902.85	4.256	0.872	-0.439	-8.199	-1885.28	1
7176_7177	7176	7177	1906.674	10.264	-0.872	0.439	2.965	1850.398	1
7177_7177	7177	7177	-1906.67	-10.264	0.872	-0.439	-2.965	-1850.4	1
7177_7178	7177	7178	1910.5	24.783	-0.872	0.439	-2.269	1728.396	1
7178_7178	7178	7178	-1910.5	-69.747	0.626	-0.432	2.269	-1728.48	1
7178_7179	7178	7179	1914.842	89.106	-0.626	0.432	-7.277	1073.582	1
7179_7179	7179	7179	-1914.84	-89.106	-1.96	-0.334	7.277	-1073.58	1
7179_7180	7179	7180	1919.182	108.466	1.96	0.334	8.401	263.801	1
7180_7180	7180	7180	-1919.18	-108.466	0.626	0.646	-8.401	-263.802	1
7180_7181	7180	7181	1923.523	127.825	-0.626	-0.646	3.394	-700.849	1
7181_7181	7181	7181	-1923.51	-174.757	0.892	2.006	-3.394	700.756	1
7181_7182	7181	7182	1927.672	193.511	-0.892	-2.006	-3.517	-2146.64	1
7182_7182	7182	7182	-1927.67	-193.511	0.892	2.006	3.517	2146.644	1
7182_7183	7182	7183	1931.837	212.266	-0.892	-2.006	-10.428	-3737.88	1
7183_7183	7183	7183	-1919.54	-212.261	-1.531	-3.74	10.144	3677.882	1
7183_7184	7183	7184	1924.332	237.067	1.531	3.74	4.399	-5833.83	1.02
7184_7184	7184	7184	165.767	455.41	0.35	7.356	-15.789	20661.16	1.02
7184_7185	7184	7185	-138.06	-417.742	-0.35	-7.382	11.392	-15191.9	1.03
7185_7185	7185	7185	126.312	425.08	0.398	-6.787	-9.876	15189.23	1.03
7185_7186	7185	7186	-98.989	-389.642	-0.398	6.764	4.881	-10099.9	1.04
7186_7186	7186	7186	85.061	349.358	-0.836	-0.613	-5.441	10098.45	1.04
7186_7187	7186	7187	-64.096	-313.418	0.836	0.614	16.541	-5698.74	1.08
7187_7187	7187	7187	565.903	312.933	0.163	0.762	-3.299	2953.043	1.08
7187_7188	7187	7188	-563.048	-283.581	-0.163	-0.746	1.387	475.693	1.08
7188_7188	7188	7188	556.463	235.247	0.061	-3.43	-1.323	-474.711	1.08

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7188_7189	7188	7189	-540.994	-214.947	-0.061	3.429	0.817	2247.815	1
7189_7189	7189	7189	559.108	218.672	0.112	2.851	-0.776	-2244.24	1
7189_7190	7189	7190	-515.126	-184.415	-0.112	-2.851	-0.767	4828.161	1
7190_7190	7190	7190	515.127	140.736	-0.093	0.196	0.767	-4828.16	1
7190_7191	7190	7191	-481.881	-113.33	0.093	-0.196	0.256	6083.203	1
7191_7191	7191	7191	481.881	113.33	-0.093	0.196	-0.256	-6083.2	1
7191_7192	7191	7192	-448.634	-85.925	0.093	-0.196	1.28	7036.786	1
7192_7192	7192	7192	448.635	46.904	-0.02	0.071	-1.28	-7036.77	1
7192_7193	7192	7193	-420.438	-22.04	0.02	-0.071	1.478	7259.182	1
7193_7193	7193	7193	420.438	22.04	-0.02	0.022	-1.478	-7259.18	1
7193_7194	7193	7194	-392.213	2.849	0.02	-0.022	1.68	7233.297	1
7194_7194	7194	7194	392.213	-38.24	0.088	4.154	-1.68	-7233.32	1
7194_7195	7194	7195	-366.032	63.128	-0.088	-4.154	0.799	6613.07	1
7195_7195	7195	7195	366.032	-63.128	0.031	-4.329	-0.799	-6613.07	1
7195_7196	7195	7196	-339.852	88.017	-0.031	4.329	0.487	5744.181	1
7196_7196	7196	7196	339.848	-127.434	0.142	-0.219	-0.487	-5744.16	1
7196_7197	7196	7197	-313.48	154.84	-0.142	0.219	-1.08	4075.741	1
7197_7197	7197	7197	313.48	-154.84	0.142	-0.219	1.08	-4075.74	1
7197_7198	7197	7198	-287.113	182.245	-0.142	0.219	-2.647	2105.858	1
7198_7198	7198	7198	287.119	-223.726	-0.04	-0.614	2.647	-2105.87	1
7198_7199	7198	7199	-255.554	257.957	0.04	0.614	-2.101	-1343.39	1.03
7199_7199	7199	7199	258.623	-254.939	-0.096	0.431	2.065	1270.352	1.03
7199_7200	7199	7200	-239.408	276.145	0.096	-0.431	-1.274	-3555.25	1.03
7200_7200	7200	7200	247.197	-321.155	-0.433	2.57	1.356	3556.212	1.03
7200_7201	7200	7201	-225.595	351.745	0.433	-2.561	3.734	-7635.71	1.03
7201_7201	7201	7201	223.406	-344.302	-0.045	-4.502	-0.841	7708.659	1.03
7201_7202	7201	7202	-215.122	384.892	0.045	4.508	1.441	-12646.4	1.02
7202_7202	7202	7202	230.77	-429.03	-0.702	7.692	-0.47	12649.42	1.02
7202_7203	7202	7203	-231.73	468.913	0.702	-7.724	9.275	-18360.1	1.01
7203_7203	7203	7203	244.799	-460.627	-0.655	-8.192	-10.98	18364.66	1.01
7203_7204	7203	7204	-251.566	502.683	0.655	8.156	19.225	-24493	1.01
7204_7204	7204	7204	-2025.01	276.925	-6.843	2.283	168.373	7651.554	1.01
7204_7205	7204	7205	2029.891	-249.061	6.843	-2.283	-103.363	-5175.1	1
7205_7205	7205	7205	-2032.03	249.053	-9.644	-3.584	105.07	4936.689	1
7205_7206	7205	7206	2036.314	-227.804	9.644	3.584	-30.331	-3107.7	1
7206_7206	7206	7206	-2036.32	227.804	-6.677	1.285	30.331	3107.704	1
7206_7207	7206	7207	2040.6	-206.554	6.677	-1.285	21.415	-1443.42	1
7207_7207	7207	7207	-2040.63	155.419	-1.276	0.171	-21.415	1443.416	1
7207_7208	7207	7208	2044.725	-133.484	1.276	-0.171	31.624	-305.955	1
7208_7208	7208	7208	-2044.73	133.484	-1.276	0.171	-31.624	305.955	1
7208_7209	7208	7209	2048.82	-111.549	1.276	-0.171	41.833	656.024	1
7209_7209	7209	7209	-2048.82	111.549	-4.15	-0.063	-41.833	-656.022	1
7209_7210	7209	7210	2052.912	-89.614	4.15	0.063	75.035	1442.523	1
7210_7210	7210	7210	-2052.93	38.787	0.311	-0.211	-75.035	-1442.5	1
7210_7211	7210	7211	2055.554	-22.336	-0.311	0.211	73.169	1614.015	1
7211_7211	7211	7211	-2055.55	22.336	0.311	-0.211	-73.169	-1614.02	1
7211_7212	7211	7212	2058.176	-5.885	-0.311	0.211	71.304	1686.818	1
7212_7212	7212	7212	-2058.17	5.885	-3.521	0.956	-71.304	-1686.82	1
7212_7213	7212	7213	2060.796	10.567	3.521	-0.956	92.431	1660.908	1
7213_7213	7213	7213	-2060.8	-10.567	0.311	-0.098	-92.431	-1660.91	1
7213_7214	7213	7214	2063.419	27.018	-0.311	0.098	90.565	1536.295	1
7214_7214	7214	7214	-2063.44	-78.899	2.474	0.664	-90.565	-1536.28	1
7214_7215	7214	7215	2066.232	100.835	-2.474	-0.664	70.773	804.328	1
7215_7215	7215	7215	-2066.23	-100.835	2.474	0.664	-70.773	-804.328	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7215_7216	7215	7216	2069.026	122.77	-2.474	-0.664	50.981	-103.11	1
7216_7216	7216	7216	-2069.03	-122.77	-0.4	-0.932	-50.981	103.111	1
7216_7217	7216	7217	2071.822	144.705	0.4	0.932	54.181	-1186.04	1
7217_7217	7217	7217	-2071.86	-196.327	6.697	-18.879	-54.181	1185.847	1
7217_7218	7217	7218	2074.33	217.577	-6.697	18.879	2.279	-2801.44	1
7218_7218	7218	7218	-2074.33	-217.577	6.697	-18.879	-2.279	2801.441	1
7218_7219	7218	7219	2076.799	238.827	-6.697	18.879	-49.623	-4581.72	1
7219_7219	7219	7219	-2068.74	-238.826	28.242	39.679	49.69	4796.974	1
7219_7220	7219	7220	2071.595	266.69	-28.242	-39.679	-317.987	-7212.05	1
7220_7220	7220	7220	211.757	501.801	1.476	-33.684	-21.208	23930.54	1
7220_7221	7220	7221	-189.083	-460.064	-1.476	33.671	2.649	-17895.1	1
7221_7221	7221	7221	176.09	468.05	1.33	33.554	-9.72	17891.59	1
7221_7222	7221	7222	-153.996	-428.497	-1.33	-33.566	-6.974	-12278.9	1.01
7222_7222	7222	7222	138.833	389.586	-1.784	-2.79	10.181	12278.05	1.01
7222_7223	7222	7223	-121.348	-349.295	1.784	2.718	13.513	-7371.59	1.01
7223_7223	7223	7223	616.385	349.141	0.76	2.818	-10.417	4599.157	1.01
7223_7224	7223	7224	-615.559	-317	-0.76	-2.802	1.492	-757.583	1.04
7224_7224	7224	7224	608.173	267.765	0.695	10.989	-1.545	758.639	1.04
7224_7225	7224	7225	-592.204	-245.507	-0.695	-10.993	-4.19	1271.041	1
7225_7225	7225	7225	566.511	249.816	0.497	-7.95	4.45	-1077.36	1
7225_7226	7225	7226	-522.093	-207.96	-0.497	7.95	-11.893	4309.848	1
7226_7226	7226	7226	522.11	158.846	0.503	15.523	11.893	-4310.04	1
7226_7227	7226	7227	-489.059	-126.359	-0.503	-15.523	-17.735	5822.141	1
7227_7227	7227	7227	489.059	126.359	0.309	-15.015	17.735	-5822.14	1
7227_7228	7227	7228	-456.032	-93.896	-0.309	15.015	-21.328	6956.128	1
7228_7228	7228	7228	456.027	46.122	0.289	20.085	21.328	-6955.98	1
7228_7229	7228	7229	-425.092	-13.655	-0.289	-20.085	-24.684	7166.787	1
7229_7229	7229	7229	425.088	13.655	0.05	-20.418	24.684	-7166.78	1
7229_7230	7229	7230	-394.147	18.817	-0.05	20.418	-25.259	7000.578	1
7230_7230	7230	7230	394.02	-69.924	1.58	14.385	25.259	-6999.84	1
7230_7231	7230	7231	-365.35	103.801	-1.58	-14.385	-44.405	5820.247	1
7231_7231	7231	7231	365.368	-103.801	1.354	-15.668	44.405	-5820.26	1
7231_7232	7231	7232	-336.668	137.714	-1.354	15.668	-60.819	4228.382	1
7232_7232	7232	7232	336.759	-184.441	0	10.87	60.819	-4228.04	1
7232_7233	7232	7233	-328.719	193.011	0	-10.87	-60.819	3613.942	1
7233_7233	7233	7233	336.968	-190.429	-0.324	2.913	65.627	-3645.2	1
7233_7234	7233	7234	-320.067	207.47	0.324	-2.924	-63.697	2384.24	1.03
7234_7234	7234	7234	323.426	-202.797	-0.4	-2.825	63.621	-2383.59	1.03
7234_7235	7234	7235	-298.115	226.973	0.4	2.782	-60.268	463.732	1.02
7235_7235	7235	7235	301.656	-222.534	-0.489	-5.613	60.148	-462.974	1.02
7235_7236	7235	7236	-285.122	239.032	0.489	5.567	-57.38	-928.279	1.01
7236_7236	7236	7236	288.083	-290.702	0.095	-6.068	57.262	928.042	1.01
7236_7237	7236	7237	-273.685	327.922	-0.095	6.277	-58.267	-4345.5	1.01
7237_7237	7237	7237	221.388	-322.708	-0.661	5.016	129.527	4703.941	1.01
7237_7238	7237	7238	-220.192	357.497	0.661	-4.714	-123.208	-8012.26	1.01
7238_7238	7238	7238	230.756	-379.892	3.966	-23.454	120.67	8013.25	1.01
7238_7239	7238	7239	-233.735	415.362	-3.966	23.115	-158.107	-11829	1
7239_7239	7239	7239	233.474	-415.411	3.847	15.501	162.016	11829.21	1
7239_7240	7239	7240	-237.953	456.253	-3.847	-15.84	-202.323	-16459	1
7240_7240	7240	7240	-1819.45	307.507	-61.413	-5.379	1198.243	4392.225	1
7240_7241	7240	7241	1825.805	-280.764	61.413	5.379	-723.459	-2145.42	1
7241_7241	7241	7241	-1823.02	280.755	-54.373	4.416	726.668	2131.107	1
7241_7242	7241	7242	1830.284	-251.596	54.373	-4.416	-261.476	115.047	1
7242_7242	7242	7242	-1830.38	251.596	-49.981	5.992	261.476	-115.072	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7242_7243	7242	7243	1837.348	-223.629	49.981	-5.992	148.657	2035.031	1
7243_7243	7243	7243	-1838.67	166.117	-16.214	3.411	-148.657	-2035.29	1
7243_7244	7243	7244	1843.171	-131.578	16.214	-3.411	312.971	3523.545	1
7244_7244	7244	7244	-1843.2	131.578	-11.19	-2.488	-312.971	-3523.55	1
7244_7245	7244	7245	1847.419	-99.221	11.19	2.488	419.21	4600.232	1
7245_7245	7245	7245	-1847.03	54.427	-12.869	5.204	-419.21	-4599.34	1
7245_7246	7245	7246	1851.011	-19.185	12.869	-5.204	552.282	4961.747	1
7246_7246	7246	7246	-1851.04	19.185	-7.492	-4.403	-552.282	-4961.75	1
7246_7247	7246	7247	1854.613	12.437	7.492	4.403	621.796	4976.756	1
7247_7247	7247	7247	-1854.67	-64.027	-2.383	7.061	-621.796	-4976	1
7247_7248	7247	7248	1857.302	96.031	2.383	-7.061	644.17	4211.959	1
7248_7248	7248	7248	-1857.29	-96.031	6.235	-4.784	-644.17	-4211.97	1
7248_7249	7248	7249	1860.164	130.925	-6.235	4.784	580.341	3036.511	1
7249_7249	7249	7249	-1860.51	-177.811	24.794	0.58	-580.341	-3036.1	1
7249_7250	7249	7250	1862.684	211.856	-24.794	-0.58	332.665	1078.975	1
7250_7250	7250	7250	-1862.61	-211.856	30.453	1.5	-332.665	-1078.98	1
7250_7251	7250	7251	1864.712	244.677	-30.453	-1.5	39.403	-1129.73	1
7251_7251	7251	7251	-1863.64	-294.178	-11.268	-48.822	-39.403	1128.584	1
7251_7252	7251	7252	1863.218	320.596	11.268	48.822	126.747	-3511.45	1
7252_7252	7252	7252	-1859.78	-320.594	-2.316	-27.496	-127.285	3494.885	1
7252_7253	7252	7253	1859.271	353.439	2.316	27.496	149.277	-6695.1	1.01
7253_7253	7253	7253	191.64	458.844	-46.08	97.662	22.652	18373	1.01
7253_7254	7253	7254	-176.898	-430.539	46.08	-97.896	314.107	-15127.8	1.01
7254_7254	7254	7254	160.453	373.772	28.088	-14.037	-299.879	15120.99	1.01
7254_7255	7254	7255	-139.539	-330.218	-28.088	14.202	-27.168	-11017.6	1.02
7255_7255	7255	7255	131.652	336.281	28.096	18.852	24.144	11014.98	1.02
7255_7256	7255	7256	-115.086	-299.864	-28.096	-18.731	-306.984	-7809.69	1.03
7256_7256	7256	7256	106.845	264.273	-12.372	-12.725	308.765	7807.703	1.03
7256_7257	7256	7257	-97.787	-230.977	12.372	12.719	-192.453	-5459.13	1.04
7257_7257	7257	7257	39.545	236.27	-12.384	1.527	192.472	5744.483	1.04
7257_7258	7257	7258	-36.32	-214.926	12.384	-1.53	-103.961	-4107.71	1.04
7258_7258	7258	7258	33.396	217.362	-12.381	8.571	103.766	4107.225	1.04
7258_7259	7258	7259	-34.088	-202.192	12.381	-8.572	-40.63	-3015.84	1.04
7259_7259	7259	7259	531.557	150.129	1.282	12.922	-2.722	547.189	1.04
7259_7260	7259	7260	-565.877	-126.213	-1.282	-12.913	-7.223	669.343	1
7260_7260	7260	7260	589.122	130.151	1.194	-1.776	6.349	-938.834	1
7260_7261	7260	7261	-621.834	-103.927	-1.194	1.776	-16.711	2110.68	1
7261_7261	7261	7261	621.834	103.927	1.131	-9.123	16.711	-2110.68	1
7261_7262	7261	7262	-652.195	-79.587	-1.131	9.123	-25.823	2994.619	1
7262_7262	7262	7262	652.201	13.996	0.476	9.496	25.823	-2994.65	1
7262_7263	7262	7263	-700.275	20.995	-0.476	-9.496	-31.332	3182.201	1
7263_7263	7263	7263	700.274	-20.995	0.358	-8.627	31.332	-3182.19	1
7263_7264	7263	7264	-747.901	55.66	-0.358	8.627	-35.435	2968.388	1
7264_7264	7264	7264	747.931	-109.456	0.824	14.478	35.435	-2968.48	1
7264_7265	7264	7265	-798.181	144.843	-0.824	-14.478	-45.091	1716.44	1
7265_7265	7265	7265	798.176	-144.843	0.623	-15.378	45.091	-1716.42	1
7265_7266	7265	7266	-846.848	179.119	-0.623	15.378	-52.157	108.54	1
7266_7266	7266	7266	846.947	-236.153	0.506	6.549	52.157	-108.351	1
7266_7267	7266	7267	-897.966	270.809	-0.506	-6.549	-57.96	-2559.34	1
7267_7267	7267	7267	897.968	-270.809	0.338	-8.844	57.96	2559.348	1
7267_7268	7267	7268	-949.459	305.787	-0.338	8.844	-61.877	-5654.81	1
7268_7268	7268	7268	949.605	-372.915	5.394	1.837	61.877	5655.787	1
7268_7269	7268	7269	-968.977	384.986	-5.394	-1.837	-83.429	-7078.98	1.05
7269_7269	7269	7269	890.684	-379.208	5.072	-4.727	78.038	7726.042	1.05

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7269_7270	7269	7270	-907.977	411.084	-5.072	4.698	-127.567	-11466.4	1.05
7270_7270	7270	7270	916.698	-400.852	4.932	-0.963	127.638	11465.22	1.05
7270_7271	7270	7271	-893.584	434.999	-4.932	0.887	-178.2	-15738.1	1.05
7271_7271	7271	7271	786.983	-488.524	-13.673	-31.857	157.855	16455	1.05
7271_7272	7271	7272	-733.64	535.859	13.673	31.677	10.123	-22826.9	1.03
7272_7272	7272	7272	747.786	-525.39	-13.868	28.035	-6.19	22826.36	1.03
7272_7273	7272	7273	-682.309	575.619	13.868	-28.26	179.392	-29841.9	1.02
7273_7273	7273	7273	696.995	-586.948	23.479	-53.226	-187.331	29848.49	1.02
7273_7274	7273	7274	-669.146	610.096	-23.479	53.288	56.412	-33254.9	1.02
7274_7274	7274	7274	678.161	-604.479	23.367	3.899	-50.744	33255.51	1.02
7274_7275	7274	7275	-641.026	638.78	-23.367	-3.796	-137.341	-38364	1
7275_7275	7275	7275	-2409.18	468.632	28.295	37.782	605.42	12129.24	1
7275_7276	7275	7276	2477.451	-448.548	-28.295	-37.782	-761.018	-9899.69	1
7276_7276	7276	7276	-2942.42	385.71	-64.167	-22.679	928.534	12099.96	1
7276_7277	7276	7277	2945.92	-370.982	64.167	22.679	-671.978	-10601.4	1
7277_7277	7277	7277	-2952.14	370.968	-58.742	-8.965	676.137	10889.53	1
7277_7278	7277	7278	2961.375	-336.104	58.742	8.965	-81.052	-7346.44	1
7278_7278	7278	7278	-2961.53	336.104	-49.434	14.124	81.052	7346.412	1
7278_7279	7278	7279	2969.936	-304.368	49.434	-14.124	374.807	-4428.29	1
7279_7279	7279	7279	-2969.57	226.392	-19.135	-6.409	-374.807	4429.033	1
7279_7280	7279	7280	2973.207	-186.213	19.135	6.409	598.204	-2035.49	1
7280_7280	7280	7280	-2973.25	186.213	-5.608	5.472	-598.204	2035.471	1
7280_7281	7280	7281	2977.053	-144.289	5.608	-5.472	666.523	-38.046	1
7281_7281	7281	7281	-3027.18	107.524	-1.076	0.072	-678.477	272.185	1
7281_7282	7281	7282	3036.309	-71.238	1.076	-0.072	691.815	796.389	1
7282_7282	7282	7282	-3036.3	71.238	7.972	-0.018	-691.815	-796.395	1
7282_7283	7282	7283	3044.74	-37.675	-7.972	0.018	600.426	1384.427	1
7283_7283	7283	7283	-3045.26	-62.231	-6.435	-0.854	-600.426	-1384.67	1
7283_7284	7283	7284	3045.838	93.577	6.435	0.854	669.317	547.47	1
7284_7284	7284	7284	-3045.84	-93.577	6.576	0.646	-669.317	-547.471	1
7284_7285	7284	7285	3046.358	122.023	-6.576	-0.646	605.431	-502.732	1
7285_7285	7285	7285	-3046.69	-183.214	99.3	-10.357	-605.431	502.625	1
7285_7286	7285	7286	3047.234	207.135	-99.3	10.357	-205.871	-2100.49	1
7286_7286	7286	7286	-3047.06	-207.135	104.773	-5.1	205.871	2100.503	1
7286_7287	7286	7287	3047.551	228.645	-104.773	5.1	-975.59	-3704.17	1
7287_7287	7287	7287	-3039.72	-228.646	111.91	-4.307	976.001	3400.439	1
7287_7288	7287	7288	3040.15	254.049	-111.91	4.307	-1872.78	-5337.05	1.01
7288_7288	7288	7288	262.328	846.381	-20.682	-25.837	324.741	29982.15	1.01
7288_7289	7288	7289	-246.185	-800.299	20.682	25.854	-61.799	-19562.5	1.02
7289_7289	7289	7289	233.556	804.675	-20.756	44.368	55.703	19560.9	1.02
7289_7290	7289	7290	-217.205	-766.38	20.756	-44.356	173.531	-10932.5	1.02
7290_7290	7290	7290	195.394	698.404	5.153	-9.09	-169.209	10932.91	1.02
7290_7291	7290	7291	-185.584	-673.515	-5.153	9.103	131.194	-5899.35	1.03
7291_7291	7291	7291	171.88	678.239	5.133	0.483	-131.593	5898.419	1.03
7291_7292	7291	7292	-161.19	-649.292	-5.133	-0.473	86.877	-147.671	1.05
7292_7292	7292	7292	127.75	653.185	5.09	12.306	-85.359	258.299	1.05
7292_7293	7292	7293	-122.724	-640.889	-5.09	-12.304	63.617	2487.455	1.08
7293_7293	7293	7293	113.831	588.381	-0.895	11.1	-63.451	-2487.89	1.08
7293_7294	7293	7294	-109.064	-567.875	0.895	-11.102	69.837	6595.563	1.08
7294_7294	7294	7294	106.45	568.755	-0.939	3.231	-69.784	-6595.65	1.08
7294_7295	7294	7295	-101.516	-544.081	0.939	-3.231	77.852	11356.36	1
7295_7295	7295	7295	126.673	544.171	-0.897	-18.723	-78.417	-11498	1
7295_7296	7295	7296	-122.967	-520.736	0.897	18.723	84.741	15236.23	1
7296_7296	7296	7296	23.521	449.149	3.321	25.405	-59.296	-14677.3	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7296_7297	7296	7297	-28.09	-412.777	-3.321	-25.405	22.814	19437.9	1
7297_7297	7297	7297	28.1	412.777	3.285	-15.737	-22.814	-19437.9	1
7297_7298	7297	7298	-32.838	-375.058	-3.285	15.737	-14.611	23952.76	1
7298_7298	7298	7298	32.779	309.917	0.407	50.694	14.611	-23955.4	1
7298_7299	7298	7299	-37.833	-272.746	-0.407	-50.694	-19.185	27253.79	1
7299_7299	7299	7299	37.835	272.746	0.358	-36.115	19.185	-27253.8	1
7299_7300	7299	7300	-43.51	-231.016	-0.358	36.115	-23.694	30459.5	1
7300_7300	7300	7300	43.491	162.653	0.01	50.426	23.694	-30462.9	1
7300_7301	7300	7301	-51.212	-122.313	-0.01	-50.426	-23.82	32239.08	1
7301_7301	7301	7301	51.213	122.313	-0.034	-44.128	23.82	-32239.1	1
7301_7302	7301	7302	-58.594	-83.749	0.034	44.128	-23.427	33477.55	1
7302_7302	7302	7302	58.594	14.208	0.548	56.533	23.427	-33480.8	1
7302_7303	7302	7303	-69.031	28.106	-0.548	-56.533	-30.436	33444.8	1
7303_7303	7303	7303	69.034	-28.106	0.498	-58.094	30.436	-33444.8	1
7303_7304	7303	7304	-78.057	64.687	-0.498	58.094	-35.934	32977.79	1
7304_7304	7304	7304	78.052	-135.711	0.412	54.79	35.934	-32981.4	1
7304_7305	7304	7305	-89.333	173.963	-0.412	-54.79	-40.698	31248.66	1
7305_7305	7305	7305	89.336	-173.963	0.364	-47.87	40.698	-31248.7	1
7305_7306	7305	7306	-101.314	214.577	-0.364	47.87	-45.163	28925.19	1
7306_7306	7306	7306	101.283	-289.074	-0.335	47.187	45.163	-28927.9	1
7306_7307	7306	7307	-114.096	328.421	0.335	-47.187	-41.183	25321.8	1
7307_7307	7307	7307	114.092	-328.421	-0.389	-46.488	41.183	-25321.8	1
7307_7308	7307	7308	-126.963	367.947	0.389	46.488	-36.534	21228.47	1
7308_7308	7308	7308	127.132	-456.661	7.813	28.391	36.534	-21230.3	1
7308_7309	7308	7309	-140.866	496.39	-7.813	-28.391	-130.296	15579.57	1
7309_7309	7309	7309	140.911	-496.39	7.755	-31.147	130.296	-15579.6	1
7309_7310	7309	7310	-154.436	535.512	-7.755	31.147	-221.942	9549.204	1
7310_7310	7310	7310	153.991	-636.406	-16.592	-1.809	221.942	-9549.37	1
7310_7311	7310	7311	-175.451	680.689	16.592	1.809	0	847.149	1
7400_7020	7400	7020	2609.681	-245.795	50.853	0.762	-405.56	-3721.16	1
7400_7401	7400	7401	-2610.73	249.776	-50.853	-0.762	197.601	2707.856	1
7401_7401	7401	7401	2607.83	-244.628	18.542	-0.274	-194.046	-2707.95	1
7401_7402	7401	7402	-2608.74	248.022	-18.542	0.274	129.342	1848.391	1
7402_7402	7402	7402	2613.968	-185.359	13.427	-0.865	-130.393	-1848.32	1
7402_7403	7402	7403	-2617.06	195.915	-13.427	0.865	-16.297	-234.317	1
7403_7403	7403	7403	2616.626	-119.643	0.126	-0.739	14.01	234.31	1
7403_7404	7403	7404	-2618.88	126.54	-0.126	0.739	-14.921	-1121.56	1
7404_7404	7404	7404	2621.117	-65.546	-1.483	-0.391	15.145	1121.56	1
7404_7405	7404	7405	-2623.53	72.393	1.483	0.391	-4.453	-1618.93	1
7405_7405	7405	7405	2623.412	14.704	0.313	-0.447	3.499	1618.927	1
7405_7406	7405	7406	-2628.72	-1.205	-0.313	0.447	-8.005	-1504.33	1
7406_7406	7406	7406	2628.468	88.814	-1.063	-0.485	7.941	1504.322	1
7406_7407	7406	7407	-2632.02	-80.632	1.063	0.485	1.48	-753.652	1
7407_7407	7407	7407	2629.756	135.74	-1.314	-0.384	-1.458	753.652	1
7407_7408	7407	7408	-2632.21	-130.4	1.314	0.384	8.758	-14.252	1
7408_7408	7408	7408	2607.865	-428.092	-0.095	-2.213	-9.39	14.26	1
7408_7409	7408	7409	-2608.56	431.209	0.095	2.213	9.678	-1311.53	1
7409_7409	7409	7409	2603.94	413.455	-1.665	1.132	-9.433	1312.211	1
7409_7410	7409	7410	-2603.24	-410.328	1.665	-1.132	14.476	-64.56	1
7410_7410	7410	7410	2627.462	-149.148	2.051	-0.811	-13.383	64.558	1
7410_7411	7410	7411	-2625.01	154.487	-2.051	0.811	1.988	-907.982	1
7411_7411	7411	7411	2627.667	-99.516	1.131	-0.457	-2.14	907.982	1
7411_7412	7411	7412	-2624.11	107.695	-1.131	0.457	-7.882	-1825.75	1
7412_7412	7412	7412	2628.684	-19.851	0.126	-0.591	7.971	1825.768	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7412_7413	7412	7413	-2623.38	33.354	-0.126	0.591	-9.787	-2209.12	1
7413_7413	7413	7413	2627.225	53.758	-0.635	0.346	9.671	2209.157	1
7413_7414	7413	7414	-2624.81	-46.907	0.635	-0.346	-5.087	-1845.96	1
7414_7414	7414	7414	2623.053	106.826	1.482	-1.28	5.588	1845.962	1
7414_7415	7414	7415	-2620.8	-99.934	-1.482	1.28	-16.263	-1101.31	1
7415_7415	7415	7415	2623.074	176.978	-10.538	-1.057	18.239	1101.344	1
7415_7416	7415	7416	-2619.98	-166.424	10.538	1.057	96.871	774.15	1
7416_7416	7416	7416	2615.307	228.51	-8.532	1.849	-97.031	-774.129	1
7416_7417	7416	7417	-2614.4	-225.12	8.532	-1.849	126.769	1564.673	1
7417_7417	7417	7417	2617.529	231.484	-30.343	-1.118	-127.694	-1564.65	1
7417_7036	7417	7036	-2616.48	-227.497	30.343	1.118	251.949	2504.401	1.02
7420_7056	7420	7056	2194.473	-229.012	35.862	0.897	-202.702	-3857.9	1
7420_7421	7420	7421	-2195.4	232.546	-35.862	-0.897	55.811	2912.62	1
7421_7421	7421	7421	2192.128	-227.794	5.672	0.552	-57.021	-2912.59	1
7421_7422	7421	7422	-2192.93	230.8	-5.672	-0.552	37.241	2112.934	1
7422_7422	7422	7422	2197.839	-178.14	4.196	-0.008	-37.643	-2112.93	1
7422_7423	7422	7423	-2200.58	187.488	-4.196	0.008	-8.173	116.817	1
7423_7423	7423	7423	2200.415	-124.811	0.748	0.021	6.11	-116.821	1
7423_7424	7423	7424	-2202.41	130.929	-0.748	-0.021	-11.504	-805.732	1
7424_7424	7424	7424	2204.898	-78.681	-0.943	0.374	11.722	805.729	1
7424_7425	7424	7425	-2207.04	84.745	0.943	-0.374	-4.923	-1394.79	1
7425_7425	7425	7425	2207.175	-12.519	-0.174	0.257	4.628	1394.787	1
7425_7426	7425	7426	-2211.88	24.485	0.174	-0.257	-2.113	-1661.43	1
7426_7426	7426	7426	2211.703	49.637	1.168	-0.037	2.094	1661.428	1
7426_7427	7426	7427	-2214.85	-42.394	-1.168	0.037	-12.437	-1254	1
7427_7427	7427	7427	2213.526	87.58	-0.719	0.76	12.916	1253.997	1
7427_7428	7427	7428	-2215.71	-82.815	0.719	-0.76	-8.919	-780.353	1
7428_7428	7428	7428	2190.077	-388.578	-3.49	-0.074	9.917	780.355	1
7428_7429	7428	7429	-2190.7	391.366	3.49	0.074	0.656	-1961.79	1
7429_7429	7429	7429	2192.364	394.925	-3.154	0.533	-0.759	1964.056	1
7429_7430	7429	7430	-2191.74	-392.146	3.154	-0.533	10.284	-775.657	1
7430_7430	7430	7430	2218.938	-77.851	2.979	-0.744	-8.765	775.657	1
7430_7431	7430	7431	-2216.75	82.615	-2.979	0.744	-7.796	-1221.7	1
7431_7431	7431	7431	2217.974	-37.503	-0.168	0.818	7.031	1221.706	1
7431_7432	7431	7432	-2214.83	44.745	0.168	-0.818	-5.543	-1585.77	1
7432_7432	7432	7432	2215.703	29.703	-0.227	0.253	5.891	1585.784	1
7432_7433	7432	7433	-2211	-17.732	0.227	-0.253	-2.613	-1243.85	1
7433_7433	7433	7433	2211.704	89.282	1.174	0.28	3.734	1243.866	1
7433_7434	7433	7434	-2209.56	-83.221	-1.174	-0.28	-12.194	-622.361	1
7434_7434	7434	7434	2206.972	135.537	0.009	0.327	12.087	622.363	1
7434_7435	7434	7435	-2204.97	-129.422	-0.009	-0.327	-12.149	332.93	1
7435_7435	7435	7435	2204.727	192.719	-13.223	0.45	15.329	-332.923	1
7435_7436	7435	7436	-2201.99	-183.369	13.223	-0.45	129.092	2386.696	1
7436_7436	7436	7436	2197.001	235.511	-16.413	-0.058	-128.092	-2386.75	1
7436_7437	7436	7437	-2196.2	-232.508	16.413	0.058	185.289	3202.221	1
7437_7437	7437	7437	2199.737	237.791	-30.774	-0.905	-191.399	-3202.15	1
7437_7072	7437	7072	-2198.81	-234.261	30.774	0.905	317.348	4168.134	1
7440_7094	7440	7094	2490.778	-213.564	25.882	0.324	-118.109	-2533.66	1.01
7440_7441	7440	7441	-2491.7	217.065	-25.882	-0.324	12.068	1651.496	1
7441_7441	7441	7441	2486.572	-211.114	1.976	-0.099	-13.222	-1651.5	1
7441_7442	7441	7442	-2487.37	214.093	-1.976	0.099	6.326	909.479	1
7442_7442	7442	7442	2491.826	-153.739	1.345	-0.18	-6.395	-909.479	1
7442_7443	7442	7443	-2494.54	162.995	-1.345	0.18	-8.283	-819.427	1
7443_7443	7443	7443	2494.708	-90.444	-0.442	0.183	7.583	819.422	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7443_7444	7443	7444	-2496.69	96.5	0.442	-0.183	-4.399	-1493.42	1
7444_7444	7444	7444	2498.273	-37.32	0.253	-0.338	4.255	1493.415	1
7444_7445	7444	7445	-2500.39	43.323	-0.253	0.338	-6.076	-1783.95	1
7445_7445	7445	7445	2500.535	38.28	-0.828	-0.01	7.175	1783.946	1
7445_7446	7445	7446	-2505.19	-26.416	0.828	0.01	4.77	-1317.36	1
7446_7446	7446	7446	2503.642	112.779	3.46	-0.1	-4.41	1317.357	1
7446_7447	7446	7447	-2506.76	-105.61	-3.46	0.1	-26.21	-351.12	1
7447_7447	7447	7447	2504.128	156.062	-2.05	0.123	26.547	351.094	1
7447_7448	7447	7448	-2506.3	-151.34	2.05	-0.123	-15.152	503.397	1
7448_7448	7448	7448	2490.822	-381.374	-3.5	3.518	17.228	-503.393	1
7448_7449	7448	7449	-2491.44	384.132	3.5	-3.518	-6.644	-654.155	1
7449_7449	7449	7449	2490.914	381.799	5.227	-3.736	6.693	654.363	1
7449_7450	7449	7450	-2490.3	-379.04	-5.227	3.736	-22.504	496.248	1
7450_7450	7450	7450	2508.437	-153.759	-1.861	0.127	21.741	-496.228	1
7450_7451	7450	7451	-2506.27	158.48	1.861	-0.127	-11.396	-371.752	1
7451_7451	7451	7451	2508.95	-108.044	-0.98	-0.231	11.452	371.751	1
7451_7452	7451	7452	-2505.83	115.213	0.98	0.231	-2.776	-1359.52	1
7452_7452	7452	7452	2510.614	-28.938	0.074	-0.078	1.876	1359.528	1
7452_7453	7452	7453	-2505.96	40.801	-0.074	0.078	-2.941	-1862.46	1
7453_7453	7453	7453	2509.621	40.743	0.501	-0.125	2.731	1862.471	1
7453_7454	7453	7454	-2507.5	-34.74	-0.501	0.125	-6.343	-1590.57	1
7454_7454	7454	7454	2505.973	94.148	-0.105	0.115	6.211	1590.565	1
7454_7455	7454	7455	-2503.99	-88.093	0.105	-0.115	-5.453	-933.613	1
7455_7455	7455	7455	2507.024	161.187	-1.033	0.216	6.53	933.623	1
7455_7456	7455	7456	-2504.31	-151.924	1.033	-0.216	4.758	776.63	1
7456_7456	7456	7456	2500.103	210.076	-3.123	-0.338	-4.574	-776.631	1
7456_7457	7456	7457	-2499.31	-207.106	3.123	0.338	15.442	1502.447	1
7457_7457	7457	7457	2504.538	214.703	-19.881	-0.252	-14.191	-1502.43	1
7457_7110	7457	7110	-2503.62	-211.203	19.881	0.252	95.629	2374.725	1.01
7460_7132	7460	7132	2187.214	-313.49	-33.737	-0.987	285.219	-4139.28	1.03
7460_7461	7460	7461	-2188.13	317.722	33.737	0.987	-119.845	2592.198	1
7461_7461	7461	7461	2195.432	-215.321	-11.783	-0.118	117.252	-2592.23	1
7461_7462	7461	7462	-2196.23	218.299	11.783	0.118	-76.151	1835.969	1
7462_7462	7462	7462	2200.842	-165.541	-9.812	-0.264	76.619	-1835.95	1
7462_7463	7462	7463	-2203.56	174.801	9.812	0.264	30.532	-22.385	1
7463_7463	7463	7463	2233.154	-112.187	0.039	0.042	-26.571	22.358	1
7463_7464	7463	7464	-2235.13	118.24	-0.039	-0.042	26.287	-852.703	1
7464_7464	7464	7464	2237.306	-65.227	3.195	-0.55	-26.708	852.69	1
7464_7465	7464	7465	-2239.43	71.226	-3.195	0.55	3.7	-1344.04	1
7465_7465	7465	7465	2272.366	-5.855	0.208	-0.108	-1.946	1343.978	1
7465_7466	7465	7466	-2277.02	17.713	-0.208	0.108	-1.05	-1513.88	1
7466_7466	7466	7466	2317.287	44.394	-3.145	0.192	3.417	1513.796	1
7466_7467	7466	7467	-2320.41	-37.22	3.145	-0.192	24.427	-1152.48	1
7467_7467	7467	7467	2319.152	84.926	-0.971	-0.368	-24.906	1152.472	1
7467_7468	7467	7468	-2321.32	-80.206	0.971	0.368	30.301	-693.612	1
7468_7468	7468	7468	2338.392	-444.774	4.757	-5.198	-30.117	693.536	1
7468_7469	7468	7469	-2339.01	447.531	-4.757	5.198	15.738	-2042.25	1
7469_7469	7469	7469	2337.207	444.79	-6.131	5.014	-20.872	2038.571	1
7469_7470	7469	7470	-2336.59	-442.033	6.131	-5.014	39.405	-698.161	1
7470_7470	7470	7470	2321.277	-82.478	2.854	-0.376	-39.006	698.148	1
7470_7471	7470	7471	-2319.11	87.197	-2.854	0.376	23.146	-1169.63	1
7471_7471	7471	7471	2320.428	-38.443	3.303	-0.114	-23.051	1169.634	1
7471_7472	7471	7472	-2317.31	45.626	-3.303	0.114	-6.223	-1542.2	1
7472_7472	7472	7472	2280.642	15.539	-0.355	-0.118	3.378	1542.292	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7472_7473	7472	7473	-2275.99	-3.69	0.355	0.118	1.735	-1403.76	1
7473_7473	7473	7473	2247.769	71.781	1.175	-0.565	-2.903	1403.729	1
7473_7474	7473	7474	-2245.65	-65.773	-1.175	0.565	-5.573	-907.764	1
7474_7474	7474	7474	2243.513	117.948	-1.974	0.602	5.134	907.766	1
7474_7475	7474	7475	-2241.53	-111.895	1.974	-0.602	9.093	-79.528	1
7475_7475	7475	7475	2219.445	174.875	4.3	0.23	-10.254	79.526	1
7475_7476	7475	7476	-2216.73	-165.615	-4.3	-0.23	-36.7	1779.642	1
7476_7476	7476	7476	2212.12	218.751	4.736	-0.291	36.599	-1779.64	1
7476_7477	7476	7477	-2211.33	-215.774	-4.736	0.291	-53.117	2537.491	1
7477_7477	7477	7477	2215.18	220.288	3.993	0.589	55.942	-2537.46	1
7477_7148	7477	7148	-2214.26	-216.789	-3.993	-0.589	-72.291	3432.328	1
7480_7168	7480	7168	2154.105	-239.326	-24.274	-0.457	97.932	-4485.74	1
7480_7481	7480	7481	-2155.03	242.825	24.274	0.457	1.467	3498.576	1
7481_7481	7481	7481	2152.248	-238.797	-3.969	-5.845	-1.858	-3498.52	1
7481_7482	7481	7482	-2153.04	241.774	3.969	5.845	15.702	2660.374	1
7482_7482	7482	7482	2158.227	-190.055	1.595	1.574	-13.776	-2660.39	1
7482_7483	7482	7483	-2160.94	199.315	-1.595	-1.574	-3.648	534.321	1
7483_7483	7483	7483	2200.218	-138.371	-0.653	-0.192	6.759	-534.357	1
7483_7484	7483	7484	-2202.2	144.424	0.653	0.192	-2.051	-484.706	1
7484_7484	7484	7484	2204.959	-93.198	-0.565	-0.259	2.039	484.706	1
7484_7485	7484	7485	-2207.08	99.206	0.565	0.259	2.038	-1178.44	1
7485_7485	7485	7485	2253.33	-34.253	-0.748	-0.091	2.298	1178.378	1
7485_7486	7485	7486	-2257.99	46.11	0.748	0.091	8.484	-1757.71	1
7486_7486	7486	7486	2314.932	14.655	-1.318	0.502	-3.422	1757.616	1
7486_7487	7486	7487	-2318.05	-7.48	1.318	-0.502	15.095	-1659.62	1
7487_7487	7487	7487	2317.407	55.143	0.841	-0.717	-15.784	1659.613	1
7487_7488	7487	7488	-2319.58	-50.424	-0.841	0.717	11.109	-1366.27	1
7488_7488	7488	7488	2348.873	-478.638	-0.623	3.874	-9.142	1366.309	1
7488_7489	7488	7489	-2349.49	481.395	0.623	-3.874	11.027	-2817.4	1
7489_7489	7489	7489	2351.463	481.851	-1.755	-3.639	24.94	2823.202	1
7489_7490	7489	7490	-2350.85	-479.094	1.755	3.639	-19.634	-1370.76	1
7490_7490	7490	7490	2321.072	-49.936	-0.437	-0.844	16.377	1370.761	1
7490_7491	7490	7491	-2318.9	54.655	0.437	0.844	-13.948	-1661.39	1
7491_7491	7491	7491	2319.539	-5.918	-2.611	0.418	13.252	1661.398	1
7491_7492	7491	7492	-2316.42	13.101	2.611	-0.418	9.889	-1745.68	1
7492_7492	7492	7492	2259.104	46.389	1.378	0.048	-13.33	1745.811	1
7492_7493	7492	7493	-2254.45	-34.54	-1.378	-0.048	-6.52	-1162.77	1
7493_7493	7493	7493	2208.009	100.305	-1.179	0.481	2.469	1162.745	1
7493_7494	7493	7494	-2205.89	-94.297	1.179	-0.481	6.035	-461.093	1
7494_7494	7494	7494	2203.1	145.55	1.745	-0.004	-5.818	461.096	1
7494_7495	7494	7495	-2201.12	-139.497	-1.745	0.004	-6.762	566.077	1
7495_7495	7495	7495	2162.384	200.4	-0.847	0.104	3.928	-566.074	1
7495_7496	7495	7496	-2159.67	-191.14	0.847	-0.104	5.323	2703.995	1
7496_7496	7496	7496	2154.464	242.9	-0.424	0.779	-5.465	-2703.99	1
7496_7497	7496	7497	-2153.67	-239.922	0.424	-0.779	6.944	3546.076	1
7497_7497	7497	7497	2155.85	243.694	21.219	0.52	-8.764	-3546.07	1
7497_7184	7497	7184	-2154.93	-240.195	-21.219	-0.52	-78.124	4536.769	1.02
7500_7204	7500	7204	2376.679	-247.384	19.008	0.372	-85.041	-4190.83	1.01
7500_7501	7500	7501	-2377.77	251.522	-19.008	-0.372	7.209	3169.376	1
7501_7501	7501	7501	2376.176	-245.949	0.986	0.243	-8.149	-3169.41	1
7501_7502	7501	7502	-2377.12	249.471	-0.986	-0.243	4.711	2305.356	1
7502_7502	7502	7502	2382.417	-192.367	0.518	-0.107	-4.84	-2305.36	1
7502_7503	7502	7503	-2385.63	203.319	-0.518	0.107	-0.815	144.798	1
7503_7503	7503	7503	2380.741	-134.425	1.25	-0.43	-0.911	-144.805	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7503_7504	7503	7504	-2383.08	141.583	-1.25	0.43	-8.1	-849.797	1
7504_7504	7504	7504	2385.728	-86.148	-1.92	0.526	8.492	849.793	1
7504_7505	7504	7505	-2388.24	93.254	1.92	-0.526	5.357	-1496.64	1
7505_7505	7505	7505	2384.207	-15.411	0.85	0.088	-7.42	1496.649	1
7505_7506	7505	7506	-2389.71	29.435	-0.85	-0.088	-4.83	-1819.94	1
7506_7506	7506	7506	2385.288	50.907	-0.033	0.668	4.559	1819.919	1
7506_7507	7506	7507	-2388.98	-42.421	0.033	-0.668	-4.264	-1406.75	1
7507_7507	7507	7507	2387.599	91.535	2.206	-0.717	3.681	1406.748	1
7507_7508	7507	7508	-2390.14	-86	-2.206	0.717	-15.944	-913.424	1
7508_7508	7508	7508	2356.513	-420.429	-3.221	1.613	16.661	913.374	1
7508_7509	7508	7509	-2357.24	423.662	3.221	-1.613	-6.925	-2189.19	1
7509_7509	7509	7509	2357.303	424.098	4.089	-1.129	6.817	2188.94	1
7509_7510	7509	7510	-2356.58	-420.865	-4.089	1.129	-19.177	-911.781	1
7510_7510	7510	7510	2385.667	-85.094	0.091	-0.443	18.294	911.742	1
7510_7511	7510	7511	-2383.13	90.629	-0.091	0.443	-18.801	-1400.03	1
7511_7511	7511	7511	2384.484	-41.607	-2.144	0.473	18.222	1400.039	1
7511_7512	7511	7512	-2380.8	50.092	2.144	-0.473	0.762	-1806	1
7512_7512	7512	7512	2380.128	29.83	0.136	0.173	-0.224	1806.004	1
7512_7513	7512	7513	-2374.62	-15.806	-0.136	-0.173	-1.741	-1477.02	1
7513_7513	7513	7513	2374.495	93.129	0.439	0.322	2.567	1477.034	1
7513_7514	7513	7514	-2371.99	-86.023	-0.439	-0.322	-5.735	-831.082	1
7514_7514	7514	7514	2369.347	141.134	0.344	0.222	5.729	831.082	1
7514_7515	7514	7515	-2367.01	-133.975	-0.344	-0.222	-8.212	160.281	1
7515_7515	7515	7515	2367.793	201.734	-4.849	2.941	9.303	-160.251	1
7515_7516	7515	7516	-2364.59	-190.782	4.849	-2.941	43.649	2303.49	1
7516_7516	7516	7516	2359.281	247.464	-15.419	-6.631	-40.73	-2303.54	1
7516_7517	7516	7517	-2358.34	-243.942	15.419	6.631	94.514	3160.575	1
7517_7517	7517	7517	2359.213	249.849	-59.145	-3.363	-84.23	-3160.83	1
7517_7220	7517	7220	-2358.12	-245.711	59.145	3.363	326.428	4175.491	1
7520_7240	7520	7240	2222.12	49.866	113.358	29.32	-1029.12	-7311.98	1
7520_7521	7520	7521	-2223.43	-47.11	-113.358	-29.32	753.62	7429.827	1
7521_7521	7521	7521	2205.144	-353.89	61.325	-0.412	-744.829	-7403.2	1
7521_7522	7521	7522	-2206.27	358.119	-61.325	0.412	530.963	6161.663	1
7522_7522	7522	7522	2214.332	-305.197	56.965	-0.352	-534.525	-6161.36	1
7522_7523	7522	7523	-2218.19	318.353	-56.965	0.352	-87.586	2756.472	1
7523_7523	7523	7523	2236	-243.317	-2.232	1.981	78.901	-2754.48	1
7523_7524	7523	7524	-2238.81	251.918	2.232	-1.981	-62.811	969.608	1
7524_7524	7524	7524	2244.045	-199.921	-6.424	-1.347	62.18	-969.65	1
7524_7525	7524	7525	-2247.06	208.46	6.424	1.347	-15.846	-503.228	1
7525_7525	7525	7525	2236.814	-130.516	-2.621	0.119	11.996	502.923	1
7525_7526	7525	7526	-2243.43	147.359	2.621	-0.119	25.783	-2505.77	1
7526_7526	7526	7526	2231.96	-70.461	-1.073	-3.69	-27.081	2503.65	1
7526_7527	7526	7527	-2236.39	80.654	1.073	3.69	36.579	-3172.66	1
7527_7527	7527	7527	2237.566	-34.644	-6.956	5.464	-32.788	3172.698	1
7527_7528	7527	7528	-2240.6	41.24	6.956	-5.464	71.444	-3383.56	1
7528_7528	7528	7528	2168.804	-513.389	3.092	-10.402	-69.547	3381.845	1
7528_7529	7528	7529	-2169.67	517.246	-3.092	10.402	60.193	-4940.81	1
7529_7529	7529	7529	2166.677	502.784	-1.926	9.3	-59.963	4936.239	1
7529_7530	7529	7530	-2165.82	-498.94	1.926	-9.3	65.769	-3425.88	1
7530_7530	7530	7530	2207.698	32.851	13.465	-7.225	-62.965	3425.599	1
7530_7531	7530	7531	-2204.67	-26.253	-13.465	7.225	-11.875	-3261.34	1
7531_7531	7531	7531	2203.678	72.058	6.101	3.585	6.92	3261.36	1
7531_7532	7531	7532	-2199.25	-61.857	-6.101	-3.585	-60.974	-2668.11	1
7532_7532	7532	7532	2187.862	131.676	-2.526	-0.018	59.111	2666.844	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7532_7533	7532	7533	-2181.25	-114.839	2.526	0.018	-22.708	-890.539	1
7533_7533	7533	7533	2168.366	183.98	-1.141	1.414	22.656	890.449	1
7533_7534	7533	7534	-2165.35	-175.439	1.141	-1.414	-14.42	406.14	1
7534_7534	7534	7534	2160.765	224.936	-5.749	0.187	14.742	-406.131	1
7534_7535	7534	7535	-2157.95	-216.343	5.749	-0.187	26.67	1995.405	1
7535_7535	7535	7535	2143.315	278.211	27.471	6.582	-23.581	-1993.89	1
7535_7536	7535	7536	-2139.46	-265.048	-27.471	-6.582	-276.59	4961.971	1
7536_7536	7536	7536	2132.628	315.798	21.685	-14.008	280.412	-4961.74	1
7536_7537	7536	7537	-2131.5	-311.568	-21.685	14.008	-356.037	6055.685	1
7537_7537	7537	7537	2141.917	313.698	-43.376	-113.43	366.293	-6071.61	1
7537_7253	7537	7253	-2140.61	-308.735	43.376	113.43	-188.954	7343.985	1.01
7540_7275	7540	7275	3374.154	-310.544	-8.283	52.51	-666.284	-4136.26	1
7540_7541	7540	7541	-3375.56	315.889	8.283	-52.51	700.178	2854.594	1
7541_7541	7541	7541	3351.637	-319.38	48.83	-6.563	-690.681	-2880.02	1
7541_7542	7541	7542	-3352.85	323.944	-48.83	6.563	519.959	1755.405	1
7542_7542	7542	7542	3359.943	-240.778	41.845	2.59	-521.055	-1755.09	1
7542_7543	7542	7543	-3364.09	254.927	-41.845	-2.59	64.325	-950.152	1
7543_7543	7543	7543	3383.808	-155.233	6.462	-5.06	-69.905	944.399	1
7543_7544	7543	7544	-3386.83	164.492	-6.462	5.06	23.311	-2097.14	1
7544_7544	7544	7544	3389.775	-84.619	-2.985	1.387	-21.342	2097.17	1
7544_7545	7544	7545	-3393.02	93.8	2.985	-1.387	42.855	-2740.2	1
7545_7545	7545	7545	3379.092	14.221	0.876	-1.963	-46.154	2735.084	1
7545_7546	7545	7546	-3386.21	3.903	-0.876	1.963	33.521	-2660.72	1
7546_7546	7546	7546	3368.763	105.271	12.283	-2.769	-35.337	2657.359	1
7546_7547	7546	7547	-3373.53	-94.296	-12.283	2.769	-73.462	-1773.49	1
7547_7547	7547	7547	3370.826	165.187	1.627	1.171	75.908	1773.391	1
7547_7548	7547	7548	-3374.08	-158.112	-1.627	-1.171	-84.944	-875.561	1
7548_7548	7548	7548	3331.341	-556.57	-1.188	3.921	85.867	870.276	1
7548_7549	7548	7549	-3332.27	560.705	1.188	-3.921	-82.276	-2558.91	1
7549_7549	7549	7549	3353.372	589.777	-5.618	-5.803	82.949	2567.127	1
7549_7550	7549	7550	-3352.42	-585.711	5.618	5.803	-66.212	-816.034	1
7550_7550	7550	7550	3380.652	-154.264	8.895	-2.105	64.551	812.268	1
7550_7551	7550	7551	-3377.22	161.413	-8.895	2.105	-114.874	-1705.21	1
7551_7551	7551	7551	3380.084	-82.235	0.822	-0.768	112.972	1705.337	1
7551_7552	7551	7552	-3375.4	92.607	-0.822	0.768	-119.901	-2441.93	1
7552_7552	7552	7552	3365.821	37.551	-0.232	-1.444	117.567	2441.24	1
7552_7553	7552	7553	-3358.69	-19.92	0.232	1.444	-114.303	-2036.66	1
7553_7553	7553	7553	3343.859	145.505	4.748	0.939	113.393	2036.854	1
7553_7554	7553	7554	-3340.63	-136.553	-4.748	-0.939	-146.843	-1043.36	1
7554_7554	7554	7554	3336.116	220.928	0.167	-1.307	146.333	1043.436	1
7554_7555	7554	7555	-3333.12	-211.905	-0.167	1.307	-147.507	479.912	1
7555_7555	7555	7555	3331.054	325.55	-33.231	2.201	153.495	-476.651	1
7555_7556	7555	7556	-3327.02	-311.739	33.231	-2.201	200.479	3870.795	1
7556_7556	7556	7556	3316.98	404.666	-34.669	6.073	-199.884	-3870.82	1
7556_7557	7556	7557	-3315.81	-400.186	34.669	-6.073	318.75	5250.562	1
7557_7557	7557	7557	3439.99	96.054	-328.982	-36.655	-305.685	-5250.61	1
7557_7288	7557	7288	-3438.13	-90.729	328.982	36.655	1679.712	5640.666	1.01
47000_7000	47000	7000	0.183	437.807	1.388	3.683	0	-0.143	1
47000_7001	47000	7001	-0.183	-407.17	-1.388	-3.683	-14.578	4438.975	1
47001_7001	47001	7001	0.183	407.17	1.388	3.705	14.578	-4438.98	1
47001_7002	47001	7002	-0.183	-379.77	-1.388	-3.705	-27.616	8136.103	1
47002_7002	47002	7002	0.172	328.25	-1.157	8.667	27.616	-8136.12	1
47002_7003	47002	7003	-0.172	-292.944	1.157	-8.667	-13.606	11896.69	1
47003_7003	47003	7003	0.171	292.944	-1.157	-2.371	13.606	-11896.7	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
47003_7004	47003	7004	-0.171	-257.613	1.157	2.371	0.417	15231.99	1
47004_7004	47004	7004	0.175	213.295	-0.308	17.601	-0.417	-15232.1	1
47004_7005	47004	7005	-0.175	-177.996	0.308	-17.601	4.148	17600.37	1
47005_7005	47005	7005	0.175	177.996	-0.309	-13.118	-4.148	-17600.4	1
47005_7006	47005	7006	-0.175	-142.676	0.309	13.118	7.886	19542.4	1
47006_7006	47006	7006	0.179	102.332	0.944	18.889	-7.886	-19542.5	1
47006_7007	47006	7007	-0.179	-67.016	-0.944	-18.889	-3.547	20567.99	1
47007_7007	47007	7007	0.18	67.016	0.944	-16.96	3.547	-20568	1
47007_7008	47007	7008	-0.18	-31.678	-0.944	16.96	-14.983	21165.99	1
47008_7008	47008	7008	0.177	-7.79	-0.319	17.931	14.983	-21166.1	1
47008_7009	47008	7009	-0.177	43.095	0.319	-17.931	-11.124	20858.08	1
47009_7009	47009	7009	0.177	-43.095	-0.319	-18.404	11.124	-20858.1	1
47009_7010	47009	7010	-0.177	78.421	0.319	18.404	-7.258	20122.03	1
47010_7010	47010	7010	0.18	-117.107	0.626	13.82	7.258	-20122.3	1
47010_7011	47010	7011	-0.18	152.43	-0.626	-13.82	-14.842	18489.78	1
47011_7011	47011	7011	0.181	-152.43	0.626	-16.48	14.842	-18489.8	1
47011_7012	47011	7012	-0.181	187.746	-0.626	16.48	-22.421	16429.88	1
47012_7012	47012	7012	0.182	-227.266	0.677	9.569	22.421	-16430	1
47012_7013	47012	7013	-0.182	262.578	-0.677	-9.569	-30.616	13464.11	1
47013_7013	47013	7013	0.183	-262.578	0.676	-13.839	30.616	-13464.1	1
47013_7014	47013	7014	-0.183	297.912	-0.676	13.839	-38.811	10068.36	1
47014_7014	47014	7014	0.18	-343.39	-0.039	1.177	38.811	-10068.5	1
47014_7015	47014	7015	-0.18	389.586	0.039	-1.177	-38.191	4262.584	1
47015_7015	47015	7015	4.603	-389.559	-0.039	-4.377	38.143	-4262.47	1
47015_7016	47015	7016	-4.859	412.055	0.039	4.377	-37.818	952.795	1
47016_7016	47016	7016	15.702	-452.103	0.075	-4.021	43.359	-1723.17	1
47016_7017	47016	7017	-16.755	484.202	-0.075	4.021	-44.243	-3780.09	1.06
47017_7017	47017	7017	30.342	-483.541	0.074	1.788	44.543	3780.084	1.06
47017_7018	47017	7018	-32.709	522.386	-0.074	-1.788	-45.519	-10453.6	1.02
47018_7018	47018	7018	51.518	-568.042	-0.413	-21.109	43.624	10453.47	1.02
47018_7019	47018	7019	-54.95	606.536	0.413	21.109	-38.444	-17822.7	1.01
47019_7019	47019	7019	71.694	-604.786	-0.415	20.047	42.789	17822.68	1.01
47019_7020	47019	7020	-76.488	645.733	0.415	-20.047	-37.57	-25688	1
47020_7020	47020	7020	-2399.08	214.564	-22.559	-3.127	511.869	5670.77	1
47020_7021	47020	7021	2399.082	-187.993	22.559	3.127	-297.57	-3758.76	1
47021_7021	47021	7021	-2399.1	187.993	-21.138	-0.901	297.57	3758.759	1
47021_7022	47021	7022	2399.095	-168.427	21.138	0.901	-133.795	-2378.01	1
47022_7022	47022	7022	-2399.12	168.427	-18.06	2.15	133.795	2378.007	1
47022_7023	47022	7023	2399.121	-148.864	18.06	-2.15	6.115	-1149.01	1
47023_7023	47023	7023	-2399.16	100.911	-6.548	-0.712	-6.115	1148.925	1
47023_7024	47023	7024	2399.161	-80.69	6.548	0.712	58.55	-421.852	1
47024_7024	47024	7024	-2399.17	80.69	-3.892	-0.244	-58.55	421.852	1
47024_7025	47024	7025	2399.167	-60.496	3.892	0.244	89.67	142.635	1
47025_7025	47025	7025	-2399.17	60.496	-3.892	-0.244	-89.67	-142.635	1
47025_7026	47025	7026	2399.167	-40.303	3.892	0.244	120.791	545.649	1
47026_7026	47026	7026	-2399.17	-6.522	-3.652	-0.16	-120.791	-545.741	1
47026_7027	47026	7027	2399.17	21.684	3.652	0.16	142.719	461.065	1
47027_7027	47027	7027	-2399.17	-21.684	-4.079	-0.078	-142.719	-461.065	1
47027_7028	47027	7028	2399.169	36.821	4.079	0.078	167.168	285.717	1
47028_7028	47028	7028	-2399.17	-36.821	0.322	-0.603	-167.168	-285.717	1
47028_7029	47028	7029	2399.172	51.981	-0.322	0.603	165.238	19.17	1
47029_7029	47029	7029	-2399.17	-51.981	0.322	-0.603	-165.238	-19.17	1
47029_7030	47029	7030	2399.172	67.141	-0.322	0.603	163.307	-338.384	1
47030_7030	47030	7030	-2399.18	-113.599	1.587	-1.467	-163.307	338.369	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
47030_7031	47030	7031	2399.177	133.784	-1.587	1.467	150.625	-1327.06	1
47031_7031	47031	7031	-2399.18	-133.784	1.898	-1.295	-150.625	1327.063	1
47031_7032	47031	7032	2399.177	153.995	-1.898	1.295	135.437	-2478.63	1
47032_7032	47032	7032	-2399.17	-153.995	4.88	1.786	-135.437	2478.632	1
47032_7033	47032	7033	2399.173	174.202	-4.88	-1.786	96.387	-3791.77	1
47033_7033	47033	7033	-2399.11	-222.85	15.207	0.037	-96.387	3791.838	1
47033_7034	47033	7034	2399.111	242.42	-15.207	-0.037	-21.458	-5594.61	1
47034_7034	47034	7034	-2399.13	-242.42	12.127	-7.145	21.458	5594.606	1
47034_7035	47034	7035	2399.129	261.992	-12.127	7.145	-115.45	-7549.29	1
47035_7035	47035	7035	-2399.1	-261.992	16.723	7.315	115.45	7549.294	1
47035_7036	47035	7036	2399.101	288.558	-16.723	-7.315	-274.278	-10163.8	1.02
47036_7036	47036	7036	83.744	540.421	-0.244	-10.634	-19.533	31476.15	1.02
47036_7037	47036	7037	-78.949	-499.467	0.244	10.634	22.606	-24935	1.02
47037_7037	47037	7037	65.131	501.456	-0.26	9.767	-24.654	24935.05	1.02
47037_7038	47037	7038	-61.699	-462.969	0.26	-9.767	27.921	-18885.9	1.02
47038_7038	47038	7038	46.249	424.322	1.844	-5.552	-26.655	18886.25	1.02
47038_7039	47038	7039	-43.881	-385.464	-1.844	5.552	2.175	-13512.5	1.03
47039_7039	47039	7039	43.668	308.846	0.878	3.161	-1.195	2608.47	1.03
47039_7040	47039	7040	-42.627	-277.093	-0.878	-3.161	-9.126	835.948	1.04
47040_7040	47040	7040	36.187	235.526	-0.041	4.164	9.178	-835.947	1.04
47040_7041	47040	7041	-35.937	-213.496	0.041	-4.164	-8.839	2687.534	1.06
47041_7041	47041	7041	33.508	213.891	-0.105	-1.017	8.885	-2687.54	1.06
47041_7042	47041	7042	-33.508	-176.97	0.105	1.017	-7.273	5702.334	1
47042_7042	47042	7042	33.508	135.942	0.055	6.257	7.273	-5702.39	1
47042_7043	47042	7043	-33.508	-107.461	-0.055	-6.257	-7.923	7150.632	1
47043_7043	47043	7043	33.508	107.461	-0.001	-5.712	7.923	-7150.63	1
47043_7044	47043	7044	-33.508	-78.984	0.001	5.712	-7.906	8259.811	1
47044_7044	47044	7044	33.507	40.382	-0.066	3.362	7.906	-8259.84	1
47044_7045	47044	7045	-33.507	-11.884	0.066	-3.362	-7.124	8571.009	1
47045_7045	47045	7045	33.507	11.884	-0.091	-3.173	7.124	-8571.01	1
47045_7046	47045	7046	-33.507	16.589	0.091	3.173	-6.039	8543.023	1
47046_7046	47046	7046	33.508	-54.623	0.16	6.318	6.039	-8543.03	1
47046_7047	47046	7047	-33.508	83.115	-0.16	-6.318	-7.941	7723.172	1
47047_7047	47047	7047	33.509	-83.115	0.104	-6.61	7.941	-7723.17	1
47047_7048	47047	7048	-33.509	111.603	-0.104	6.61	-9.176	6564.317	1
47048_7048	47048	7048	33.508	-150.204	-0.066	1.6	9.176	-6564.33	1
47048_7049	47048	7049	-33.508	178.689	0.066	-1.6	-8.387	4607.074	1
47049_7049	47049	7049	33.508	-178.689	-0.094	-2.258	8.387	-4607.07	1
47049_7050	47049	7050	-33.508	207.173	0.094	2.258	-7.264	2310.949	1
47050_7050	47050	7050	33.51	-248.321	0.34	-1.252	7.264	-2310.94	1
47050_7051	47050	7051	-33.51	285.23	-0.34	1.252	-12.502	-1803.15	1.13
47051_7051	47051	7051	36.751	-284.83	0.284	1.626	12.521	1803.147	1.13
47051_7052	47051	7052	-36.982	305.168	-0.284	-1.626	-14.859	-4235.95	1.06
47052_7052	47052	7052	44.914	-347.11	-0.462	-7.593	14.599	4235.844	1.06
47052_7053	47052	7053	-45.874	376.394	0.462	7.593	-9.163	-8491.02	1.03
47053_7053	47053	7053	58.412	-379.896	-0.322	11.11	19.406	8931.255	1.03
47053_7054	47053	7054	-60.707	417.451	0.322	-11.11	-15.136	-14221.9	1.03
47054_7054	47054	7054	76.323	-459.035	-0.872	-16.11	13.048	14221.72	1.03
47054_7055	47054	7055	-79.64	496.138	0.872	16.11	-2.102	-20211.8	1.01
47055_7055	47055	7055	93.322	-493.747	-0.928	15.873	5.415	20211.85	1.01
47055_7056	47055	7056	-97.94	533.101	0.928	-15.873	6.266	-26668.6	1
47056_7056	47056	7056	-2203.16	250.716	-17.076	-5.566	320.45	7809.269	1
47056_7057	47056	7057	2203.163	-224.949	17.076	5.566	-158.119	-5548.3	1
47057_7057	47057	7057	-2203.18	224.949	-14.543	1.09	158.119	5506.262	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
47057_7058	47057	7058	2203.181	-204.401	14.543	-1.09	-45.395	-3842.32	1
47058_7058	47058	7058	-2203.2	204.401	-11.708	6.034	45.395	3842.317	1
47058_7059	47058	7059	2203.198	-183.855	11.708	-6.034	45.346	-2337.78	1
47059_7059	47059	7059	-2203.19	138.037	-6.659	-1.235	-45.346	2337.842	1
47059_7060	47059	7060	2203.187	-116.853	6.659	1.235	98.561	-1319.42	1
47060_7060	47060	7060	-2203.19	116.853	-3.713	0.529	-98.561	1319.422	1
47060_7061	47060	7061	2203.194	-95.644	3.713	-0.529	128.266	-469.402	1
47061_7061	47061	7061	-2203.2	95.644	-0.966	1.115	-128.266	469.401	1
47061_7062	47061	7062	2203.197	-74.437	0.966	-1.115	135.991	210.888	1
47062_7062	47062	7062	-2203.2	30.197	-3.042	0.579	-135.991	-211.016	1
47062_7063	47062	7063	2203.197	-14.278	3.042	-0.579	154.258	344.545	1
47063_7063	47063	7063	-2203.2	14.278	0.618	0.006	-154.258	-344.545	1
47063_7064	47063	7064	2203.199	1.639	-0.618	-0.006	150.545	382.489	1
47064_7064	47064	7064	-2203.2	-1.639	0.367	0.05	-150.545	-382.489	1
47064_7065	47064	7065	2203.199	17.529	-0.367	-0.05	148.342	325.044	1
47065_7065	47065	7065	-2203.2	-17.529	0.618	0.013	-148.342	-325.044	1
47065_7066	47065	7066	2203.199	33.446	-0.618	-0.013	144.629	172.018	1
47066_7066	47066	7066	-2203.2	-77.725	4.205	0.16	-144.629	-171.933	1
47066_7067	47066	7067	2203.2	98.927	-4.205	-0.16	111.001	-534.459	1
47067_7067	47067	7067	-2203.2	-98.927	4.205	0.16	-111.001	534.459	1
47067_7068	47067	7068	2203.2	120.128	-4.205	-0.16	77.372	-1410.41	1
47068_7068	47068	7068	-2203.2	-120.128	4.387	0.277	-77.372	1410.412	1
47068_7069	47068	7069	2203.199	141.356	-4.387	-0.277	42.242	-2457.34	1
47069_7069	47069	7069	-2203.14	-187.09	13.064	-3.59	-42.242	2457.5	1
47069_7070	47069	7070	2203.139	207.625	-13.064	3.59	-58.953	-3986.26	1
47070_7070	47070	7070	-2203.12	-207.625	15.902	1.546	58.953	3986.263	1
47070_7071	47070	7071	2203.12	228.158	-15.902	-1.546	-182.125	-5673.95	1
47071_7071	47071	7071	-2203.12	-228.158	16.118	2.408	182.125	5715.989	1
47071_7072	47071	7072	2203.119	253.905	-16.118	-2.408	-335.229	-8005.54	1
47072_7072	47072	7072	92.736	526.582	0.668	-7.45	-8.575	26878.44	1
47072_7073	47072	7073	-88.118	-487.201	-0.668	7.45	0.164	-20499.7	1
47073_7073	47073	7073	74.634	489.448	0.643	8.857	-1.826	20499.67	1
47073_7074	47073	7074	-71.317	-452.327	-0.643	-8.857	-6.251	-14590.7	1
47074_7074	47074	7074	56.301	416.695	0.234	-0.358	7.05	14590.99	1
47074_7075	47074	7075	-54.007	-379.158	-0.234	0.358	-10.154	-9312.84	1
47075_7075	47075	7075	41.104	300.876	0.387	-0.99	6.505	-2710.68	1
47075_7076	47075	7076	-40.175	-272.568	-0.387	0.99	-11.059	6080.937	1
47076_7076	47076	7076	33.891	235.544	-0.026	5.724	10.956	-6081.13	1
47076_7077	47076	7077	-33.668	-215.861	0.026	-5.724	-10.741	7944.004	1
47077_7077	47077	7077	31.214	216.229	-0.062	-3.641	10.806	-7953.09	1
47077_7078	47077	7078	-31.214	-180.875	0.062	3.641	-9.935	10729.2	1
47078_7078	47078	7078	31.213	144.329	-0.291	6.113	9.935	-10729.2	1
47078_7079	47078	7079	-31.213	-116.018	0.291	-6.113	-6.679	12186.75	1
47079_7079	47079	7079	31.213	116.018	-0.317	-4.172	6.679	-12186.7	1
47079_7080	47079	7080	-31.213	-87.732	0.317	4.172	-3.13	13326.33	1
47080_7080	47080	7080	31.214	53.659	0.137	6.968	3.13	-13326.4	1
47080_7081	47080	7081	-31.214	-25.377	-0.137	-6.968	-4.659	13768.45	1
47081_7081	47081	7081	31.214	25.377	0.107	-5.953	4.659	-13768.4	1
47081_7082	47081	7082	-31.214	2.93	-0.107	5.953	-5.862	13894.09	1
47082_7082	47082	7082	31.214	-38.344	-0.076	5.587	5.862	-13894.2	1
47082_7083	47082	7083	-31.214	68.751	0.076	-5.587	-4.942	13250.29	1
47083_7083	47083	7083	31.213	-68.751	-0.102	-5.419	4.942	-13250.3	1
47083_7084	47083	7084	-31.213	99.156	0.102	5.419	-3.711	12240.8	1
47084_7084	47084	7084	31.214	-134.286	-0.047	4.096	3.711	-12240.9	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
47084_7085	47084	7085	-31.214	162.587	0.047	-4.096	-3.185	10579.5	1
47085_7085	47085	7085	31.214	-162.587	-0.074	-4.906	3.185	-10579.5	1
47085_7086	47085	7086	-31.214	190.862	0.074	4.906	-2.362	8603.348	1
47086_7086	47086	7086	31.214	-225.115	0.086	4.524	2.362	-8603.34	1
47086_7087	47086	7087	-31.214	253.414	-0.086	-4.524	-3.33	5925.582	1
47087_7087	47087	7087	31.214	-253.414	0.031	-6.055	3.33	-5925.58	1
47087_7088	47087	7088	-31.214	281.711	-0.031	6.055	-3.675	2931.359	1
47088_7088	47088	7088	31.214	-318.016	0.092	-2.183	3.675	-2931.37	1
47088_7089	47088	7089	-31.214	352.032	-0.092	2.183	-4.908	-1575.54	1
47089_7089	47089	7089	35.214	-351.654	0.033	0.728	4.916	1584.617	1
47089_7090	47089	7090	-35.45	372.443	-0.033	-0.728	-5.186	-4570.57	1.03
47090_7090	47090	7090	44.648	-408.901	-0.435	-9.097	4.882	4570.471	1.03
47090_7091	47090	7091	-45.629	438.806	0.435	9.097	0.235	-9552.9	1.02
47091_7091	47091	7091	60.155	-441.565	-0.246	6.37	6.423	9899.732	1.02
47091_7092	47091	7092	-62.406	478.499	0.246	-6.37	-3.157	-16004.9	1.01
47092_7092	47092	7092	79.577	-518.74	-0.696	-18.416	1.133	16004.63	1.01
47092_7093	47092	7093	-82.834	555.263	0.696	18.416	7.604	-22741.3	1.01
47093_7093	47093	7093	98.139	-552.763	-0.749	17.918	-3.88	22741.32	1.01
47093_7094	47093	7094	-102.68	591.541	0.749	-17.918	13.309	-29938.5	1.01
47094_7094	47094	7094	-2389.74	229.098	-11.568	-5.378	173.26	8232.829	1.01
47094_7095	47094	7095	2389.742	-203.778	11.568	5.378	-63.29	-6175.35	1
47095_7095	47095	7095	-2389.75	203.778	-9.407	0.208	63.29	6175.356	1
47095_7096	47095	7096	2389.752	-183.741	9.407	-0.208	9.561	-4674.75	1
47096_7096	47096	7096	-2389.76	183.741	-6.219	6.443	-9.561	4674.741	1
47096_7097	47096	7097	2389.762	-163.68	6.219	-6.443	57.787	-3327.73	1
47097_7097	47097	7097	-2389.77	120.104	-0.578	-3.029	-57.787	3327.717	1
47097_7098	47097	7098	2389.768	-99.421	0.578	3.029	62.407	-2450.21	1
47098_7098	47098	7098	-2389.77	99.421	2.507	0.134	-62.407	2450.215	1
47098_7099	47098	7099	2389.767	-78.713	-2.507	-0.134	42.342	-1737.3	1
47099_7099	47099	7099	-2389.76	78.713	5.491	2.303	-42.342	1737.298	1
47099_7100	47099	7100	2389.762	-58.006	-5.491	-2.303	-1.608	-1190.15	1
47100_7100	47100	7100	-2389.78	15.378	-0.609	-0.188	1.608	1190.254	1
47100_7101	47100	7101	2389.784	0.127	0.609	0.188	2.039	-1144.55	1
47101_7101	47101	7101	-2389.78	-0.127	3.497	1.778	-2.039	1144.553	1
47101_7102	47101	7102	2389.782	15.656	-3.497	-1.778	-18.951	-1191.92	1
47102_7102	47102	7102	-2389.78	-15.656	-4.461	-2.191	18.951	1191.923	1
47102_7103	47102	7103	2389.78	31.188	4.461	2.191	7.83	-1332.53	1
47103_7103	47103	7103	-2389.78	-31.188	-0.609	-0.043	-7.83	1332.535	1
47103_7104	47103	7104	2389.784	46.692	0.609	0.043	11.477	-1565.9	1
47104_7104	47104	7104	-2389.78	-89.386	-4.736	-2.048	-11.477	1565.818	1
47104_7105	47104	7105	2389.783	110.093	4.736	2.048	49.382	-2364.13	1
47105_7105	47105	7105	-2389.79	-110.093	-1.751	0.905	-49.382	2364.127	1
47105_7106	47105	7106	2389.787	130.799	1.751	-0.905	63.4	-3328.13	1
47106_7106	47106	7106	-2389.79	-130.799	-1.841	0.78	-63.4	3328.131	1
47106_7107	47106	7107	2389.787	151.48	1.841	-0.78	78.116	-4456.35	1
47107_7107	47107	7107	-2389.76	-194.897	7.651	-3.145	-78.116	4456.403	1
47107_7108	47107	7108	2389.759	214.955	-7.651	3.145	18.796	-6045.22	1
47108_7108	47108	7108	-2389.76	-214.955	7.651	-3.145	-18.796	6045.223	1
47108_7109	47108	7109	2389.759	235.014	-7.651	3.145	-40.524	-7789.56	1
47109_7109	47109	7109	-2389.75	-235.014	10.015	4.56	40.524	7789.555	1
47109_7110	47109	7110	2389.751	260.3	-10.015	-4.56	-135.599	-10140.7	1.01
47110_7110	47110	7110	108.949	551.126	0.198	-20.534	-7.145	32280.35	1.01
47110_7111	47110	7111	-104.409	-512.33	-0.198	20.534	4.651	-25588.7	1.01
47111_7111	47111	7111	90.228	515.016	0.127	20.356	-8.849	25588.74	1.01

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
47111_7112	47111	7112	-86.971	-478.479	-0.127	-20.356	7.249	-19354.9	1.02
47112_7112	47112	7112	71.333	444.589	0.35	-2.896	-5.246	19355.33	1.02
47112_7113	47112	7113	-69.082	-407.674	-0.35	2.896	0.601	-13703	1.03
47113_7113	47113	7113	52.159	329.06	0.335	1.913	8.598	1619.062	1.03
47113_7114	47113	7114	-51.188	-299.446	-0.335	-1.913	-12.542	2075.849	1.05
47114_7114	47114	7114	44.323	262.206	-0.153	2.585	12.57	-2075.9	1.05
47114_7115	47114	7115	-44.089	-241.616	0.153	-2.585	-11.307	4154.685	1.1
47115_7115	47115	7115	41.341	242.101	-0.176	0.067	11.336	-4166.57	1.1
47115_7116	47115	7116	-41.341	-209.203	0.176	-0.067	-8.873	7319.567	1
47116_7116	47116	7116	41.341	173.364	-0.173	4.502	8.873	-7319.57	1
47116_7117	47116	7117	-41.341	-147.014	0.173	-4.502	-6.934	9112.405	1
47117_7117	47117	7117	41.341	147.014	-0.21	-3.493	6.934	-9112.41	1
47117_7118	47117	7118	-41.341	-120.687	0.21	3.493	-4.591	10609.09	1
47118_7118	47118	7118	41.341	88.048	-0.191	0.265	4.591	-10609	1
47118_7119	47118	7119	-41.341	-61.699	0.191	-0.265	-2.457	11446.96	1
47119_7119	47119	7119	41.341	61.699	-0.191	0.265	2.457	-11447	1
47119_7120	47119	7120	-41.341	-35.349	0.191	-0.265	-0.322	11990.01	1
47120_7120	47120	7120	41.341	0.281	-0.06	9.768	0.322	-11990.1	1
47120_7121	47120	7121	-41.341	28.022	0.06	-9.768	0.402	11823.37	1
47121_7121	47121	7121	41.341	-28.022	-0.129	-9.901	-0.402	-11823.4	1
47121_7122	47121	7122	-41.341	56.324	0.129	9.901	1.952	11316.41	1
47122_7122	47122	7122	41.341	-90.821	-0.148	4.179	-1.952	-11316.4	1
47122_7123	47122	7123	-41.341	117.169	0.148	-4.179	3.612	10152.63	1
47123_7123	47123	7123	41.34	-117.169	-0.185	-4.892	-3.612	-10152.6	1
47123_7124	47123	7124	-41.34	143.517	0.185	4.892	5.686	8694.007	1
47124_7124	47124	7124	41.34	-177.304	0.007	5.291	-5.686	-8694.01	1
47124_7125	47124	7125	-41.34	203.651	-0.007	-5.291	5.611	6562.463	1
47125_7125	47125	7125	41.34	-203.651	-0.067	-6.437	-5.611	-6562.46	1
47125_7126	47125	7126	-41.34	229.998	0.067	6.437	6.363	4136.116	1
47126_7126	47126	7126	41.341	-265.761	-0.083	-0.437	-6.363	-4136.14	1
47126_7127	47126	7127	-41.341	297.594	0.083	0.437	7.484	327.761	1.06
47127_7127	47127	7127	44.719	-297.105	-0.138	-0.75	-7.493	-315.875	1.06
47127_7128	47127	7128	-44.934	316.009	0.138	0.75	8.633	-2213.37	1.06
47128_7128	47128	7128	53.004	-354.742	-0.552	-5.414	-8.806	2213.307	1.06
47128_7129	47128	7129	-53.896	381.953	0.552	5.414	15.295	-6543.32	1.06
47129_7129	47129	7129	68.668	-385.775	-1.536	8.701	-22.851	7031.461	1.06
47129_7130	47129	7130	-70.847	421.545	1.536	-8.701	43.241	-12388.2	1.03
47130_7130	47130	7130	86.091	-458.247	2.474	-6.593	-44.451	12388.19	1.03
47130_7131	47130	7131	-89.25	493.676	-2.474	6.593	13.405	-18359.3	1.03
47131_7131	47131	7131	106.825	-490.174	2.443	6.417	-12.062	18359.29	1.03
47131_7132	47131	7132	-111.237	525.387	-2.443	-6.417	-16.694	-24334.2	1.03
47132_7132	47132	7132	-2143.98	206.859	13.858	6.096	-166.007	6204.928	1.03
47132_7133	47132	7133	2143.981	-180.277	-13.858	-6.096	22.994	-4207.31	1
47133_7133	47133	7133	-2144	180.277	11.091	0.668	-22.994	4207.311	1
47133_7134	47133	7134	2143.997	-162.026	-11.091	-0.668	-62.964	-2880.89	1
47134_7134	47134	7134	-2144.02	162.026	5.569	-6.753	62.964	2880.878	1
47134_7135	47134	7135	2144.018	-143.752	-5.569	6.753	-106.181	-1694.45	1
47135_7135	47135	7135	-2144.01	104.467	-3.095	-0.899	106.181	1694.53	1
47135_7136	47135	7136	2144.007	-85.651	3.095	0.899	-81.452	-934.996	1
47136_7136	47136	7136	-2144.01	85.651	-0.398	0.277	81.452	934.996	1
47136_7137	47136	7137	2144.009	-66.811	0.398	-0.277	-78.266	-325.142	1
47137_7137	47137	7137	-2144.01	66.811	-0.398	0.277	78.266	325.142	1
47137_7138	47137	7138	2144.009	-47.971	0.398	-0.277	-75.08	133.993	1
47138_7138	47138	7138	-2144	9.796	-4.619	0.04	75.08	-134.041	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
47138_7139	47138	7139	2143.997	4.333	4.619	-0.04	-47.366	150.431	1
47139_7139	47139	7139	-2144	-4.333	-1.046	-0.21	47.366	-150.431	1
47139_7140	47139	7140	2144.002	18.463	1.046	0.21	-41.092	82.041	1
47140_7140	47140	7140	-2144	-18.463	-1.046	-0.21	41.092	-82.041	1
47140_7141	47140	7141	2144.002	32.593	1.046	0.21	-34.817	-71.129	1
47141_7141	47141	7141	-2144	-32.593	-1.046	-0.21	34.817	71.129	1
47141_7142	47141	7142	2144.002	46.722	1.046	0.21	-28.543	-309.077	1
47142_7142	47142	7142	-2143.99	-86.666	-4.383	-1.076	28.543	309.02	1
47142_7143	47142	7143	2143.994	105.506	4.383	1.076	6.522	-1077.72	1
47143_7143	47143	7143	-2144	-105.506	-1.703	0.271	-6.522	1077.722	1
47143_7144	47143	7144	2143.998	124.345	1.703	-0.271	20.147	-1997.14	1
47144_7144	47144	7144	-2144	-124.345	-1.703	0.271	-20.147	1997.138	1
47144_7145	47144	7145	2143.998	143.185	1.703	-0.271	33.771	-3067.27	1
47145_7145	47145	7145	-2144.02	-186.906	0.897	1.614	-33.771	3067.207	1
47145_7146	47145	7146	2144.017	205.157	-0.897	-1.614	26.817	-4586.47	1
47146_7146	47146	7146	-2144.02	-205.157	-1.869	-4.304	-26.817	4586.472	1
47146_7147	47146	7147	2144.017	223.408	1.869	4.304	41.302	-6247.2	1
47147_7147	47147	7147	-2144.02	-223.408	0.679	3.12	-41.302	6247.199	1
47147_7148	47147	7148	2144.017	247.879	-0.679	-3.12	34.852	-8485.84	1
47148_7148	47148	7148	120.494	489.207	-0.431	-9.044	-11.594	27682.95	1
47148_7149	47148	7149	-116.082	-451.521	0.431	9.044	17.018	-21765.8	1
47149_7149	47149	7149	103.569	454.554	-0.481	8.773	-18.807	21765.83	1
47149_7150	47149	7150	-100.41	-419.125	0.481	-8.773	24.846	-16285.6	1
47150_7150	47150	7150	86.28	383.834	1.891	-1.039	-23.95	16285.63	1
47150_7151	47150	7151	-84.101	-348.063	-1.891	1.039	-1.156	-11429.4	1
47151_7151	47151	7151	62.953	258.49	0.431	0.299	-10.136	-360.346	1
47151_7152	47151	7152	-62.036	-230.537	-0.431	-0.299	5.068	3234.509	1
47152_7152	47152	7152	56.615	190.428	-0.015	-2.994	-5.022	-3234.56	1
47152_7153	47152	7153	-56.394	-171.003	0.015	2.994	5.145	4725.525	1
47153_7153	47153	7153	54.447	171.633	0.038	1.646	-5.179	-4725.53	1
47153_7154	47153	7154	-54.447	-140.259	-0.038	-1.646	4.659	6869.818	1
47154_7154	47154	7154	54.447	101.903	0.038	0.165	-4.659	-6869.81	1
47154_7155	47154	7155	-54.447	-76.804	-0.038	-0.165	4.238	7852.72	1
47155_7155	47155	7155	54.447	76.804	0.038	0.165	-4.238	-7852.72	1
47155_7156	47155	7156	-54.447	-51.705	-0.038	-0.165	3.817	8559.534	1
47156_7156	47156	7156	54.447	17.426	0.057	-4.253	-3.817	-8559.54	1
47156_7157	47156	7157	-54.447	5.391	-0.057	4.253	3.25	8619.708	1
47157_7157	47157	7157	54.447	-5.391	0.111	4.366	-3.25	-8619.71	1
47157_7158	47157	7158	-54.447	28.209	-0.111	-4.366	2.14	8451.706	1
47158_7158	47158	7158	54.447	-58.87	0.071	-3.957	-2.14	-8451.66	1
47158_7159	47158	7159	-54.447	81.71	-0.071	3.957	1.426	7748.038	1
47159_7159	47159	7159	54.447	-81.71	0.126	3.83	-1.426	-7748.04	1
47159_7160	47159	7160	-54.447	104.528	-0.126	-3.83	0.166	6816.831	1
47160_7160	47160	7160	54.447	-139.029	0.08	-2.531	-0.166	-6816.81	1
47160_7161	47160	7161	-54.447	164.128	-0.08	2.531	-0.718	5149.436	1
47161_7161	47161	7161	54.447	-164.128	0.13	2.15	0.718	-5149.44	1
47161_7162	47161	7162	-54.447	189.226	-0.13	-2.15	-2.147	3205.961	1
47162_7162	47162	7162	54.446	-228.723	0.252	-0.28	2.147	-3205.98	1
47162_7163	47162	7163	-54.446	260.097	-0.252	0.28	-5.609	-154.713	1.01
47163_7163	47163	7163	57.398	-259.461	0.199	-0.193	5.607	154.713	1.01
47163_7164	47163	7164	-57.619	278.887	-0.199	0.193	-7.249	-2375.51	1.01
47164_7164	47164	7164	64.99	-320.499	-0.027	-1.949	7.19	2375.578	1.01
47164_7165	47164	7165	-65.907	348.453	0.027	1.949	-6.878	-6307.4	1.01
47165_7165	47165	7165	80.859	-353.328	0.149	2.192	9.72	6880.373	1.01

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
47165_7166	47165	7166	-83.067	389.538	-0.149	-2.192	-11.701	-11805.7	1.01
47166_7166	47166	7166	98.444	-437.447	0.077	-6.683	10.995	11805.55	1.01
47166_7167	47166	7167	-101.642	473.317	-0.077	6.683	-11.967	-17518.5	1.01
47167_7167	47167	7167	114.674	-470.329	0.03	6.908	13.408	17518.46	1.01
47167_7168	47167	7168	-119.137	508.456	-0.03	-6.908	-13.786	-23675	1
47168_7168	47168	7168	-2086.66	232.65	-2.049	-3.431	17.104	6395.548	1
47168_7169	47168	7169	2086.656	-207.844	2.049	3.431	2.365	-4303.16	1
47169_7169	47169	7169	-2086.66	207.844	0.36	1.537	-2.365	4303.16	1
47169_7170	47169	7170	2086.657	-189.09	-0.36	-1.537	-0.423	-2765.02	1
47170_7170	47170	7170	-2086.66	189.09	0.36	1.537	0.423	2765.019	1
47170_7171	47170	7171	2086.657	-170.336	-0.36	-1.537	-3.21	-1372.23	1
47171_7171	47171	7171	-2086.66	123.373	0.802	0.536	3.21	1372.128	1
47171_7172	47171	7172	2086.66	-104.013	-0.802	-0.536	-9.623	-462.572	1
47172_7172	47172	7172	-2086.66	104.013	-1.807	-0.043	9.623	462.572	1
47172_7173	47172	7173	2086.659	-84.654	1.807	0.043	4.831	292.113	1
47173_7173	47173	7173	-2086.66	84.654	0.802	-0.408	-4.831	-292.112	1
47173_7174	47173	7174	2086.66	-65.295	-0.802	0.408	-1.582	891.914	1
47174_7174	47174	7174	-2086.66	21.575	0.859	-0.429	1.582	-891.989	1
47174_7175	47174	7175	2086.659	-7.055	-0.859	0.429	-6.739	977.88	1
47175_7175	47175	7175	-2086.66	7.055	-2.618	1.2	6.739	-977.879	1
47175_7176	47175	7176	2086.658	7.464	2.618	-1.2	8.97	976.651	1
47176_7176	47176	7176	-2086.66	-7.464	0.859	-0.427	-8.97	-976.652	1
47176_7177	47176	7177	2086.659	21.984	-0.859	0.427	3.813	888.306	1
47177_7177	47177	7177	-2086.66	-21.984	0.859	-0.427	-3.813	-888.306	1
47177_7178	47177	7178	2086.659	36.503	-0.859	0.427	-1.344	712.842	1
47178_7178	47178	7178	-2086.66	-80.572	0.571	-0.424	1.344	-712.918	1
47178_7179	47178	7179	2086.657	99.931	-0.571	0.424	-5.916	-9.102	1
47179_7179	47179	7179	-2086.66	-99.931	-2.037	-0.436	5.916	9.101	1
47179_7180	47179	7180	2086.656	119.291	2.037	0.436	10.378	-886.005	1
47180_7180	47180	7180	-2086.66	-119.291	0.571	0.672	-10.378	886.005	1
47180_7181	47180	7181	2086.657	138.65	-0.571	-0.672	5.806	-1917.78	1
47181_7181	47181	7181	-2086.67	-185.823	1.193	1.986	-5.806	1917.694	1
47181_7182	47181	7182	2086.665	204.577	-1.193	-1.986	-3.443	-3430.51	1
47182_7182	47182	7182	-2086.67	-204.577	1.193	1.986	3.443	3430.513	1
47182_7183	47182	7183	2086.665	223.331	-1.193	-1.986	-12.692	-5088.68	1
47183_7183	47183	7183	-2086.67	-223.331	-1.216	-3.889	12.692	5088.68	1
47183_7184	47183	7184	2086.665	248.137	1.216	3.889	-1.144	-7328.2	1.02
47184_7184	47184	7184	119.186	490.991	0.23	7.763	-16.644	24853.71	1.02
47184_7185	47184	7185	-114.722	-452.864	-0.23	-7.763	13.747	-18916.9	1.03
47185_7185	47185	7185	102.172	455.86	0.279	-6.933	-12.184	18916.95	1.03
47185_7186	47185	7186	-98.974	-419.99	-0.279	6.933	8.68	-13423.1	1.04
47186_7186	47186	7186	84.553	379.98	-0.829	-0.564	-9.244	13423.13	1.04
47186_7187	47186	7187	-82.345	-343.742	0.829	0.564	20.243	-8621.18	1.08
47187_7187	47187	7187	65.005	250.184	0.321	1.299	-4.174	-3316.19	1.08
47187_7188	47187	7188	-64.047	-220.965	-0.321	-1.299	0.4	6085.278	1.08
47188_7188	47188	7188	58.805	178.747	0.025	-3.88	-0.313	-6085.27	1.08
47188_7189	47188	7189	-58.574	-158.433	-0.025	3.88	0.105	7476.189	1
47189_7189	47189	7189	56.77	159.089	0.08	3.359	-0.149	-7467.77	1
47189_7190	47189	7190	-56.77	-124.832	-0.08	-3.359	-0.953	9419.756	1
47190_7190	47190	7190	56.771	83.158	-0.087	0.292	0.953	-9419.76	1
47190_7191	47190	7191	-56.771	-55.753	0.087	-0.292	0.008	10183.78	1
47191_7191	47191	7191	56.771	55.753	-0.087	0.292	-0.008	-10183.8	1
47191_7192	47191	7192	-56.771	-28.348	0.087	-0.292	0.969	10646.34	1
47192_7192	47192	7192	56.77	-8.843	0.031	0.098	-0.969	-10646.3	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
47192_7193	47192	7193	-56.77	33.707	-0.031	-0.098	0.656	10433.99	1
47193_7193	47193	7193	56.77	-33.707	0.031	0.046	-0.656	-10434	1
47193_7194	47193	7194	-56.77	58.596	-0.031	-0.046	0.345	9972.929	1
47194_7194	47194	7194	56.77	-92	0.105	4.349	-0.345	-9972.98	1
47194_7195	47194	7195	-56.77	116.889	-0.105	-4.349	-0.7	8929.56	1
47195_7195	47195	7195	56.77	-116.889	0.048	-4.589	0.7	-8929.56	1
47195_7196	47195	7196	-56.77	141.777	-0.048	4.589	-1.177	7637.508	1
47196_7196	47196	7196	56.77	-178.835	0.095	-0.319	1.177	-7637.5	1
47196_7197	47196	7197	-56.77	206.241	-0.095	0.319	-2.223	5519.553	1
47197_7197	47197	7197	56.77	-206.241	0.095	-0.319	2.223	-5519.55	1
47197_7198	47197	7198	-56.77	233.646	-0.095	0.319	-3.268	3100.143	1
47198_7198	47198	7198	56.771	-275.029	-0.025	-0.7	3.268	-3100.16	1
47198_7199	47198	7199	-56.771	309.261	0.025	0.7	-2.932	-913.979	1.03
47199_7199	47199	7199	60.35	-308.582	-0.08	0.133	2.933	897.643	1.03
47199_7200	47199	7200	-60.595	329.737	0.08	-0.133	-2.275	-3530.86	1.03
47200_7200	47200	7200	69.262	-372.696	-0.51	2.435	2.356	3530.904	1.03
47200_7201	47200	7201	-70.279	403.113	0.51	-2.435	3.636	-8090.93	1.03
47201_7201	47201	7201	83.539	-408.725	-0.08	-4.912	0.52	8794.084	1.03
47201_7202	47201	7202	-86.041	449.229	0.08	4.912	0.536	-14487.3	1.02
47202_7202	47202	7202	103.246	-496.874	-0.556	7.575	0.45	14487.25	1.02
47202_7203	47202	7203	-106.844	536.768	0.556	-7.575	6.524	-20971.8	1.01
47203_7203	47203	7203	121.658	-533.606	-0.509	-8.909	-8.281	20971.79	1.01
47203_7204	47203	7204	-126.64	575.757	0.509	8.909	14.689	-27951	1.01
47204_7204	47204	7204	-2338.43	264.332	-7.368	2.06	186.864	8169.499	1.01
47204_7205	47204	7205	2338.433	-236.468	7.368	-2.06	-116.868	-5790.67	1
47205_7205	47205	7205	-2338.42	236.468	-10.147	-3.578	116.868	5504.014	1
47205_7206	47205	7206	2338.422	-215.218	10.147	3.578	-38.227	-3753.69	1
47206_7206	47206	7206	-2338.43	215.218	-7.13	1.265	38.227	3753.695	1
47206_7207	47206	7207	2338.433	-193.969	7.13	-1.265	17.029	-2168.08	1
47207_7207	47207	7207	-2338.49	143.356	-1.407	0.051	-17.029	2168.067	1
47207_7208	47207	7208	2338.492	-121.421	1.407	-0.051	28.289	-1108.94	1
47208_7208	47208	7208	-2338.49	121.421	-1.407	0.051	-28.289	1108.943	1
47208_7209	47208	7209	2338.492	-99.486	1.407	-0.051	39.549	-225.302	1
47209_7209	47209	7209	-2338.49	99.486	-4.331	-0.231	-39.549	225.302	1
47209_7210	47209	7210	2338.488	-77.551	4.331	0.231	74.194	482.861	1
47210_7210	47210	7210	-2338.51	27.452	0.174	-0.337	-74.194	-482.845	1
47210_7211	47210	7211	2338.51	-11.001	-0.174	0.337	73.152	598.207	1
47211_7211	47211	7211	-2338.51	11.001	0.174	-0.337	-73.152	-598.207	1
47211_7212	47211	7212	2338.51	5.45	-0.174	0.337	72.11	614.861	1
47212_7212	47212	7212	-2338.51	-5.45	-3.724	0.688	-72.11	-614.86	1
47212_7213	47212	7213	2338.507	21.902	3.724	-0.688	94.453	532.804	1
47213_7213	47213	7213	-2338.51	-21.902	0.174	-0.2	-94.453	-532.804	1
47213_7214	47213	7214	2338.51	38.353	-0.174	0.2	93.411	352.039	1
47214_7214	47214	7214	-2338.54	-89.205	2.478	0.539	-93.411	-352.021	1
47214_7215	47214	7215	2338.537	111.14	-2.478	-0.539	73.586	-449.372	1
47215_7215	47215	7215	-2338.54	-111.14	2.478	0.539	-73.586	449.372	1
47215_7216	47215	7216	2338.537	133.075	-2.478	-0.539	53.761	-1426.25	1
47216_7216	47216	7216	-2338.54	-133.075	-0.445	-1.244	-53.761	1426.246	1
47216_7217	47216	7217	2338.538	155.011	0.445	1.244	57.321	-2578.61	1
47217_7217	47217	7217	-2338.59	-206.43	6.588	-19.819	-57.321	2578.371	1
47217_7218	47217	7218	2338.587	227.679	-6.588	19.819	6.261	-4260.57	1
47218_7218	47218	7218	-2338.59	-227.679	6.588	-19.819	-6.261	4260.567	1
47218_7219	47218	7219	2338.587	248.929	-6.588	19.819	-44.798	-6107.45	1
47219_7219	47219	7219	-2338.42	-248.929	28.504	40.913	44.798	6394.019	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
47219_7220	47219	7220	2338.422	276.793	-28.504	-40.913	-315.59	-8891.22	1
47220_7220	47220	7220	111.252	545.996	1.425	-35.605	-20.556	28899.88	1
47220_7221	47220	7221	-106.27	-503.874	-1.425	35.605	2.634	-22299.7	1
47221_7221	47221	7221	92.241	506.631	1.277	35.262	-10.006	22299.67	1
47221_7222	47221	7222	-88.642	-466.73	-1.277	-35.262	-6.025	-16192.5	1.01
47222_7222	47222	7222	72.711	426.16	-2.177	-2.76	9.357	16193.97	1.01
47222_7223	47222	7223	-70.209	-385.646	2.177	2.76	19.55	-10805.8	1.01
47223_7223	47223	7223	67.555	294.123	0.886	-0.986	-13.227	-1479.14	1.01
47223_7224	47223	7224	-66.485	-262.136	-0.886	0.986	2.811	4746.828	1.04
47224_7224	47224	7224	60.195	216.032	0.562	13.495	-2.998	-4747.58	1.04
47224_7225	47224	7225	-59.937	-193.753	-0.562	-13.495	-1.641	6438.713	1
47225_7225	47225	7225	57.691	194.434	0.351	-10.137	1.798	-6430.68	1
47225_7226	47225	7226	-57.691	-152.578	-0.351	10.137	-7.052	9027.721	1
47226_7226	47226	7226	57.696	104.708	0.573	17.661	7.052	-9028.26	1
47226_7227	47226	7227	-57.696	-72.221	-0.573	-17.661	-13.704	10056	1
47227_7227	47227	7227	57.698	72.221	0.372	-17.278	13.704	-10056	1
47227_7228	47227	7228	-57.698	-39.757	-0.372	17.278	-18.023	10705.98	1
47228_7228	47228	7228	57.698	-6.247	0.497	22.179	18.023	-10705.7	1
47228_7229	47228	7229	-57.698	38.714	-0.497	-22.179	-23.798	10444.71	1
47229_7229	47229	7229	57.699	-38.714	0.249	-22.752	23.798	-10444.7	1
47229_7230	47229	7230	-57.699	71.187	-0.249	22.752	-26.691	9806.594	1
47230_7230	47230	7230	57.684	-118.41	1.085	15.897	26.691	-9805.49	1
47230_7231	47230	7231	-57.684	152.288	-1.085	-15.897	-39.841	8165.757	1
47231_7231	47231	7231	57.688	-152.288	0.85	-17.395	39.841	-8165.75	1
47231_7232	47231	7232	-57.688	186.2	-0.85	17.395	-50.153	6113.26	1
47232_7232	47232	7232	57.691	-238.021	0.449	12.155	50.153	-6112.59	1
47232_7233	47232	7233	-57.691	246.592	-0.449	-12.155	-51.53	5369.993	1
47233_7233	47233	7233	59.81	-246.086	0.358	3.215	51.56	-5370.01	1
47233_7234	47233	7234	-59.956	263.096	-0.358	-3.215	-53.694	3852.676	1.03
47234_7234	47234	7234	64.092	-262.119	0.278	-3.004	53.607	-3852.68	1.03
47234_7235	47234	7235	-64.677	286.158	-0.278	3.004	-55.935	1553.649	1.02
47235_7235	47235	7235	69.009	-285.144	0.184	-6.38	55.783	-1553.64	1.02
47235_7236	47235	7236	-69.655	301.496	-0.184	6.38	-56.822	-107.849	1.01
47236_7236	47236	7236	77.227	-343.821	-1.378	-6.209	56.765	103.784	1.01
47236_7237	47236	7237	-79.385	380.912	1.378	6.209	-41.97	-3994.66	1.01
47237_7237	47237	7237	78.705	-397.266	-2.542	4.416	146.176	6478.285	1.01
47237_7238	47237	7238	-81.502	432.073	2.542	-4.416	-121.971	-10425.8	1.01
47238_7238	47238	7238	93.282	-461.503	5.809	-25.274	119.286	10423.54	1.01
47238_7239	47238	7239	-96.88	497.038	-5.809	25.274	-174.07	-14942.3	1
47239_7239	47239	7239	96.573	-497.1	5.683	15.377	178.165	14942.3	1
47239_7240	47239	7240	-100.688	538.011	-5.683	-15.377	-237.663	-20359.6	1
47240_7240	47240	7240	-2172.44	287.304	-63.945	-5.092	1257.225	4910.989	1
47240_7241	47240	7241	2172.441	-260.561	63.945	5.092	-762.862	-2793.2	1
47241_7241	47241	7241	-2172.65	260.561	-56.506	4.473	762.862	2793.204	1
47241_7242	47241	7242	2172.647	-231.402	56.506	-4.473	-279.429	-688.709	1
47242_7242	47242	7242	-2172.76	231.402	-51.996	5.902	279.429	688.698	1
47242_7243	47242	7243	2172.76	-203.435	51.996	-5.902	147.242	1095.393	1
47243_7243	47243	7243	-2174.28	152.067	-16.81	3.156	-147.242	-1095.4	1
47243_7244	47243	7244	2174.283	-117.528	16.81	-3.156	317.6	2461.448	1
47244_7244	47244	7244	-2174.32	117.528	-11.653	-2.682	-317.6	-2461.45	1
47244_7245	47244	7245	2174.317	-85.171	11.653	2.682	428.232	3423.64	1
47245_7245	47245	7245	-2173.96	41.077	-12.993	4.811	-428.232	-3422.77	1
47245_7246	47245	7246	2173.96	-5.836	12.993	-4.811	562.586	3665.318	1
47246_7246	47246	7246	-2173.99	5.836	-7.473	-4.496	-562.586	-3665.32	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
47246_7247	47246	7247	2173.986	25.786	7.473	4.496	631.924	3572.769	1
47247_7247	47247	7247	-2174.01	-76.018	-2.573	6.384	-631.924	-3572.13	1
47247_7248	47247	7248	2174.008	108.022	2.573	-6.384	656.085	2708.03	1
47248_7248	47248	7248	-2174	-108.022	6.273	-4.636	-656.085	-2708.03	1
47248_7249	47248	7249	2174	142.915	-6.273	4.636	591.858	1423.487	1
47249_7249	47249	7249	-2174.36	-189.164	25.03	-0.095	-591.858	-1423.18	1
47249_7250	47249	7250	2174.363	223.209	-25.03	0.095	341.827	-636.456	1
47250_7250	47250	7250	-2174.29	-223.209	30.839	1.606	-341.827	636.454	1
47250_7251	47250	7251	2174.289	256.031	-30.839	-1.606	44.845	-2943.99	1
47251_7251	47251	7251	-2173.1	-302.92	-12.055	-51.038	-44.845	2942.58	1
47251_7252	47251	7252	2173.1	329.338	12.055	51.038	138.29	-5393.02	1
47252_7252	47252	7252	-2173.13	-329.338	-2.837	-28.161	-138.29	5393.187	1
47252_7253	47252	7253	2173.131	362.183	2.837	28.161	165.229	-8676.16	1.01
47253_7253	47253	7253	61.103	507.02	-47.505	100.415	21.499	23927.47	1.01
47253_7254	47253	7254	-57.599	-478.453	47.505	-100.415	325.646	-20327.3	1.01
47254_7254	47254	7254	40.449	421.001	28.781	-16.092	-310.969	20323.79	1.01
47254_7255	47254	7255	-35.974	-377.06	-28.781	16.092	-24.13	-15679.7	1.02
47255_7255	47255	7255	27.137	377.799	28.787	20.39	20.852	15679.7	1.02
47255_7256	47255	7256	-24.274	-341.108	-28.787	-20.39	-310.637	-12062.1	1.03
47256_7256	47256	7256	15.549	306.469	-12.423	-14.823	312.623	12061.41	1.03
47256_7257	47256	7257	-13.651	-273.02	12.423	14.823	-195.838	-9338.08	1.04
47257_7257	47257	7257	8.498	273.229	-12.419	1.73	194.758	9338.114	1.04
47257_7258	47257	7258	-7.686	-251.823	12.419	-1.73	-106.001	-7461.93	1.04
47258_7258	47258	7258	4.34	251.903	-12.416	9.385	105.791	7461.926	1.04
47258_7259	47258	7259	-3.966	-236.727	12.416	-9.385	-42.475	-6216.09	1.04
47259_7259	47259	7259	66.901	230.449	1.613	16.392	-9.299	-4382.06	1.04
47259_7260	47259	7260	-66.648	-206.626	-1.613	-16.392	-3.222	6077.88	1
47260_7260	47260	7260	64.452	207.323	1.418	-1.728	3.396	-6094.24	1
47260_7261	47260	7261	-64.452	-181.099	-1.418	1.728	-15.702	7779.981	1
47261_7261	47261	7261	64.453	181.099	1.345	-10.551	15.702	-7779.97	1
47261_7262	47261	7262	-64.453	-156.759	-1.345	10.551	-26.536	9140.883	1
47262_7262	47262	7262	64.457	97.113	0.7	11.853	26.536	-9141.06	1
47262_7263	47262	7263	-64.457	-62.122	-0.7	-11.853	-34.644	10063.15	1
47263_7263	47263	7263	64.458	62.122	0.563	-9.586	34.644	-10063.2	1
47263_7264	47263	7264	-64.458	-27.457	-0.563	9.586	-41.101	10577.06	1
47264_7264	47264	7264	64.47	-25.547	1.216	18.503	41.101	-10577.8	1
47264_7265	47264	7265	-64.47	60.934	-1.216	-18.503	-55.349	10071.3	1
47265_7265	47265	7265	64.474	-60.934	0.982	-18.136	55.349	-10071.3	1
47265_7266	47265	7266	-64.474	95.21	-0.982	18.136	-66.489	9185.59	1
47266_7266	47266	7266	64.473	-150.72	0.554	10.651	66.489	-9186.41	1
47266_7267	47266	7267	-64.473	185.377	-0.554	-10.651	-72.846	7258.765	1
47267_7267	47267	7267	64.474	-185.377	0.359	-11.295	72.846	-7258.76	1
47267_7268	47267	7268	-64.474	220.354	-0.359	11.295	-77.006	4910.197	1
47268_7268	47268	7268	64.613	-281.415	6.007	10.33	77.006	-4911.12	1
47268_7269	47268	7269	-64.613	293.486	-6.007	-10.33	-101.005	3762.663	1.05
47269_7269	47269	7269	68.354	-292.641	5.849	-1.648	100.993	-3746.3	1.05
47269_7270	47269	7270	-68.759	324.52	-5.849	1.648	-158.106	733.093	1.05
47270_7270	47270	7270	75.872	-322.934	5.678	-7.052	157.965	-733.092	1.05
47270_7271	47270	7271	-77.042	356.694	-5.678	7.052	-216.162	-2749.7	1.05
47271_7271	47271	7271	89.096	-418.771	-12.598	-19.423	215.507	2758.174	1.05
47271_7272	47271	7272	-91.837	465.151	12.598	19.423	-60.733	-8186.61	1.03
47272_7272	47272	7272	104.226	-462.525	-12.867	13.103	63.129	8186.606	1.03
47272_7273	47272	7273	-108.425	511.314	12.867	-13.103	97.588	-14266.6	1.02
47273_7273	47273	7273	121.684	-528.032	22.926	-41.028	-103.248	14269.34	1.02

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
47273_7274	47273	7274	-124.062	550.481	-22.926	41.028	-24.592	-17276.1	1.02
47274_7274	47274	7274	132.197	-548.591	22.772	-1.017	28.864	17276.15	1.02
47274_7275	47274	7275	-136.221	581.901	-22.772	1.017	-212.17	-21825.3	1
47275_7275	47275	7275	-2079.42	146.014	26.502	26.407	607.214	3182.214	1
47275_7276	47275	7276	2079.42	-125.931	-26.502	-26.407	-752.956	-2434.47	1
47276_7276	47276	7276	-3268.2	369.189	-65.441	-22.788	981.875	12473.83	1
47276_7277	47276	7277	3268.195	-354.461	65.441	22.788	-720.226	-11027.2	1
47277_7277	47277	7277	-3268.3	354.461	-59.857	-9.201	720.226	11313.98	1
47277_7278	47277	7278	3268.302	-319.597	59.857	9.201	-113.84	-7899.7	1
47278_7278	47278	7278	-3268.46	319.597	-50.46	13.512	113.84	7899.69	1
47278_7279	47278	7279	3268.461	-287.861	50.46	-13.512	351.484	-5098.82	1
47279_7279	47279	7279	-3268.11	219.47	-19.846	-6.796	-351.484	5099.494	1
47279_7280	47279	7280	3268.11	-179.291	19.846	6.796	583.187	-2771.74	1
47280_7280	47280	7280	-3268.16	179.291	-6.19	4.786	-583.187	2771.741	1
47280_7281	47280	7281	3268.164	-137.366	6.19	-4.786	658.594	-842.962	1
47281_7281	47281	7281	-3268.32	82.821	-2.449	-0.522	-658.594	843.009	1
47281_7282	47281	7282	3268.323	-46.535	2.449	0.522	688.941	-41.431	1
47282_7282	47282	7282	-3268.32	46.535	6.79	-0.405	-688.941	41.432	1
47282_7283	47282	7283	3268.316	-12.971	-6.79	0.405	611.102	299.64	1
47283_7283	47283	7283	-3268.81	-70.002	-6.71	-1.886	-611.102	-299.814	1
47283_7284	47283	7284	3268.814	101.348	6.71	1.886	682.944	-617.433	1
47284_7284	47284	7284	-3268.81	-101.348	6.573	0.623	-682.944	617.436	1
47284_7285	47284	7285	3268.814	129.794	-6.573	-0.623	619.08	-1740.28	1
47285_7285	47285	7285	-3269.14	-193.973	97.818	-11.365	-619.08	1740.14	1
47285_7286	47285	7286	3269.136	217.895	-97.818	11.365	-180.117	-3422.66	1
47286_7286	47286	7286	-3268.96	-217.895	103.406	-5.514	180.117	3422.677	1
47286_7287	47286	7287	3268.964	239.404	-103.406	5.514	-939.796	-5102.46	1
47287_7287	47287	7287	-3268.73	-239.404	110.68	-3.872	939.796	4815.629	1
47287_7288	47287	7288	3268.726	264.807	-110.68	3.872	-1826.72	-6835.85	1.01
47288_7288	47288	7288	107.866	858.454	-20.563	-28.989	328.103	33790.52	1.01
47288_7289	47288	7289	-103.439	-812.333	20.563	28.989	-66.663	-23171.9	1.02
47289_7289	47289	7289	90.625	813.86	-20.647	46.662	60.051	23171.88	1.02
47289_7290	47289	7290	-87.551	-775.523	20.647	-46.662	167.978	-14396.7	1.02
47290_7290	47290	7290	65.701	706.376	5.372	-11.846	-163.303	14399.1	1.02
47290_7291	47290	7291	-64.298	-681.467	-5.372	11.846	123.679	-9280.59	1.03
47291_7291	47291	7291	50.44	682.633	5.348	-1.014	-124.193	9280.591	1.03
47291_7292	47291	7292	-49.399	-653.679	-5.348	1.014	77.596	-3459.74	1.05
47292_7292	47292	7292	37.621	654.464	5.24	15.455	-77.872	3457.138	1.05
47292_7293	47292	7293	-37.4	-642.167	-5.24	-15.455	55.494	-688.22	1.08
47293_7293	47293	7293	28.47	590.524	-1.183	9.181	-55.251	688.374	1.08
47293_7294	47293	7294	-28.375	-570.018	1.183	-9.181	63.695	3453.686	1.08
47294_7294	47294	7294	25.744	570.143	-1.23	3.098	-63.652	-3453.7	1.08
47294_7295	47294	7295	-25.744	-545.469	1.23	-3.098	74.229	8248.526	1
47295_7295	47295	7295	25.741	545.469	-1.289	-15.802	-74.229	-8248.51	1
47295_7296	47295	7296	-25.741	-522.034	1.289	15.802	83.323	12012.76	1
47296_7296	47296	7296	3.26	493.981	2.399	19.883	-24.817	-6730.1	1
47296_7297	47296	7297	-3.26	-457.609	-2.399	-19.883	-1.535	11957.5	1
47297_7297	47297	7297	3.266	457.609	2.39	-11.611	1.535	-11957.5	1
47297_7298	47297	7298	-3.266	-419.89	-2.39	11.611	-28.765	16956.46	1
47298_7298	47298	7298	3.23	348.273	-0.023	44.025	28.765	-16958.4	1
47298_7299	47298	7299	-3.23	-311.102	0.023	-44.025	-28.508	20660.17	1
47299_7299	47299	7299	3.23	311.102	-0.035	-31.4	28.508	-20660.2	1
47299_7300	47299	7300	-3.23	-269.372	0.035	31.4	-28.07	24318.71	1
47300_7300	47300	7300	3.222	202.546	-0.506	45.568	28.07	-24321.5	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
47300_7301	47300	7301	-3.222	-162.207	0.506	-45.568	-21.906	26543.78	1
47301_7301	47301	7301	3.22	162.207	-0.516	-40.602	21.906	-26543.8	1
47301_7302	47301	7302	-3.22	-123.642	0.516	40.602	-15.891	28208.72	1
47302_7302	47302	7302	3.227	55.905	-0.029	52.018	15.891	-28211.5	1
47302_7303	47302	7303	-3.227	-13.591	0.029	-52.018	-15.521	28655.65	1
47303_7303	47303	7303	3.227	13.591	-0.041	-54.905	15.521	-28655.6	1
47303_7304	47303	7304	-3.227	22.991	0.041	54.905	-15.068	28603.71	1
47304_7304	47304	7304	3.225	-92.258	-0.15	50.837	15.068	-28606.9	1
47304_7305	47304	7305	-3.225	130.51	0.15	-50.837	-13.338	27319.92	1
47305_7305	47305	7305	3.224	-130.51	-0.161	-46.182	13.338	-27319.9	1
47305_7306	47305	7306	-3.224	171.124	0.161	46.182	-11.36	25469.69	1
47306_7306	47306	7306	3.237	-245.194	0.652	43.976	11.36	-25472.1	1
47306_7307	47306	7307	-3.237	284.541	-0.652	-43.976	-19.104	22324.09	1
47307_7307	47307	7307	3.239	-284.541	0.639	-45.35	19.104	-22324.1	1
47307_7308	47307	7308	-3.239	324.067	-0.639	45.35	-26.729	18690.86	1
47308_7308	47308	7308	3.254	-411.504	1.683	26.115	26.729	-18692.4	1
47308_7309	47308	7309	-3.254	451.233	-1.683	-26.115	-46.921	13515.61	1
47309_7309	47309	7309	3.261	-451.233	1.669	-30.923	46.921	-13515.6	1
47309_7310	47309	7310	-3.261	490.356	-1.669	30.923	-66.642	7951.96	1
47310_7310	47310	7310	3.169	-572.899	-4.982	-2.755	66.642	-7952.46	1
47310_7311	47310	7311	-3.169	617.182	4.982	2.755	0	-7.011	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1	2	3	4	5	6	7	8	9	14
7000_7000	7000	7000	0	0	0	0	0	0	1
7000_7001	7000	7001	0	0	0	0	0	0	1
7001_7001	7001	7001	0	0	0	0	0	0	1
7001_7002	7001	7002	0	0	0	0	0	0	1
7002_7002	7002	7002	0	0	0	0	0	0	1
7002_7003	7002	7003	0	0	0	0	0	0	1
7003_7003	7003	7003	0	0	0	0	0	0	1
7003_7004	7003	7004	0	0	0	0	0	0	1
7004_7004	7004	7004	0	0	0	0	0	0	1
7004_7005	7004	7005	0	0	0	0	0	0	1
7005_7005	7005	7005	0	0	0	0	0	0	1
7005_7006	7005	7006	0	0	0	0	0	0	1
7006_7006	7006	7006	0	0	0	0	0	0	1
7006_7007	7006	7007	0	0	0	0	0	0	1
7007_7007	7007	7007	0	0	0	0	0	0	1
7007_7008	7007	7008	0	0	0	0	0	0	1
7008_7008	7008	7008	0	0	0	0	0	0	1
7008_7009	7008	7009	0	0	0	0	0	0	1
7009_7009	7009	7009	0	0	0	0	0	0	1
7009_7010	7009	7010	0	0	0	0	0	0	1
7010_7010	7010	7010	0	0	0	0	0	0	1
7010_7011	7010	7011	0	0	0	0	0	0	1
7011_7011	7011	7011	0	0	0	0	0	0	1
7011_7012	7011	7012	0	0	0	0	0	0	1
7012_7012	7012	7012	0	0	0	0	0	0	1
7012_7013	7012	7013	0	0	0	0	0	0	1
7013_7013	7013	7013	0	0	0	0	0	0	1
7013_7014	7013	7014	0	0	0	0	0	0	1
7014_7014	7014	7014	0	0	0	0	0	0	1
7014_7015	7014	7015	0	0	0	0	0	0	1
7015_7015	7015	7015	0	0	0	0	0	0	1
7015_7016	7015	7016	0	0	0	0	0	0	1
7016_7016	7016	7016	0	0	0	0	0	0	1
7016_7017	7016	7017	0	0	0	0	0	0	1.06
7017_7017	7017	7017	0	0	0	0	0	0	1.06
7017_7018	7017	7018	0	0	0	0	0	0	1.03
7018_7018	7018	7018	0	0	0	0	0	0	1.03
7018_7019	7018	7019	0	0	0	0	0	0	1.02
7019_7019	7019	7019	0	0	0	0	0	0	1.02
7019_7020	7019	7020	0	0	0	0	0	0	1.02
7020_7020	7020	7020	0	0	0	0	0	0	1.02
7020_7021	7020	7021	0	0	0	0	0	0	1
7021_7021	7021	7021	0	0	0	0	0	0	1
7021_7022	7021	7022	0	0	0	0	0	0	1
7022_7022	7022	7022	0	0	0	0	0	0	1
7022_7023	7022	7023	0	0	0	0	0	0	1
7023_7023	7023	7023	0	0	0	0	0	0	1
7023_7024	7023	7024	0	0	0	0	0	0	1
7024_7024	7024	7024	0	0	0	0	0	0	1
7024_7025	7024	7025	0	0	0	0	0	0	1
7025_7025	7025	7025	0	0	0	0	0	0	1
7025_7026	7025	7026	0	0	0	0	0	0	1
7026_7026	7026	7026	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7026_7027	7026	7027	0	0	0	0	0	0	1
7027_7027	7027	7027	0	0	0	0	0	0	1
7027_7028	7027	7028	0	0	0	0	0	0	1
7028_7028	7028	7028	0	0	0	0	0	0	1
7028_7029	7028	7029	0	0	0	0	0	0	1
7029_7029	7029	7029	0	0	0	0	0	0	1
7029_7030	7029	7030	0	0	0	0	0	0	1
7030_7030	7030	7030	0	0	0	0	0	0	1
7030_7031	7030	7031	0	0	0	0	0	0	1
7031_7031	7031	7031	0	0	0	0	0	0	1
7031_7032	7031	7032	0	0	0	0	0	0	1
7032_7032	7032	7032	0	0	0	0	0	0	1
7032_7033	7032	7033	0	0	0	0	0	0	1
7033_7033	7033	7033	0	0	0	0	0	0	1
7033_7034	7033	7034	0	0	0	0	0	0	1
7034_7034	7034	7034	0	0	0	0	0	0	1
7034_7035	7034	7035	0	0	0	0	0	0	1
7035_7035	7035	7035	0	0	0	0	0	0	1
7035_7036	7035	7036	0	0	0	0	0	0	1.01
7036_7036	7036	7036	0	0	0	0	0	0	1.01
7036_7037	7036	7037	0	0	0	0	0	0	1.02
7037_7037	7037	7037	0	0	0	0	0	0	1.02
7037_7038	7037	7038	0	0	0	0	0	0	1.02
7038_7038	7038	7038	0	0	0	0	0	0	1.02
7038_7039	7038	7039	0	0	0	0	0	0	1.03
7039_7039	7039	7039	0	0	0	0	0	0	1.03
7039_7040	7039	7040	0	0	0	0	0	0	1.05
7040_7040	7040	7040	0	0	0	0	0	0	1.05
7040_7041	7040	7041	0	0	0	0	0	0	1.07
7041_7041	7041	7041	0	0	0	0	0	0	1.07
7041_7042	7041	7042	0	0	0	0	0	0	1
7042_7042	7042	7042	0	0	0	0	0	0	1
7042_7043	7042	7043	0	0	0	0	0	0	1
7043_7043	7043	7043	0	0	0	0	0	0	1
7043_7044	7043	7044	0	0	0	0	0	0	1
7044_7044	7044	7044	0	0	0	0	0	0	1
7044_7045	7044	7045	0	0	0	0	0	0	1
7045_7045	7045	7045	0	0	0	0	0	0	1
7045_7046	7045	7046	0	0	0	0	0	0	1
7046_7046	7046	7046	0	0	0	0	0	0	1
7046_7047	7046	7047	0	0	0	0	0	0	1
7047_7047	7047	7047	0	0	0	0	0	0	1
7047_7048	7047	7048	0	0	0	0	0	0	1
7048_7048	7048	7048	0	0	0	0	0	0	1
7048_7049	7048	7049	0	0	0	0	0	0	1
7049_7049	7049	7049	0	0	0	0	0	0	1
7049_7050	7049	7050	0	0	0	0	0	0	1
7050_7050	7050	7050	0	0	0	0	0	0	1
7050_7051	7050	7051	0	0	0	0	0	0	1.15
7051_7051	7051	7051	0	0	0	0	0	0	1.15
7051_7052	7051	7052	0	0	0	0	0	0	1.06
7052_7052	7052	7052	0	0	0	0	0	0	1.06
7052_7053	7052	7053	0	0	0	0	0	0	1.03
7053_7053	7053	7053	0	0	0	0	0	0	1.03

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7053_7054	7053	7054	0	0	0	0	0	0	1.02
7054_7054	7054	7054	0	0	0	0	0	0	1.02
7054_7055	7054	7055	0	0	0	0	0	0	1.01
7055_7055	7055	7055	0	0	0	0	0	0	1.01
7055_7056	7055	7056	0	0	0	0	0	0	1.01
7056_7056	7056	7056	0	0	0	0	0	0	1.01
7056_7057	7056	7057	0	0	0	0	0	0	1
7057_7057	7057	7057	0	0	0	0	0	0	1
7057_7058	7057	7058	0	0	0	0	0	0	1
7058_7058	7058	7058	0	0	0	0	0	0	1
7058_7059	7058	7059	0	0	0	0	0	0	1
7059_7059	7059	7059	0	0	0	0	0	0	1
7059_7060	7059	7060	0	0	0	0	0	0	1
7060_7060	7060	7060	0	0	0	0	0	0	1
7060_7061	7060	7061	0	0	0	0	0	0	1
7061_7061	7061	7061	0	0	0	0	0	0	1
7061_7062	7061	7062	0	0	0	0	0	0	1
7062_7062	7062	7062	0	0	0	0	0	0	1
7062_7063	7062	7063	0	0	0	0	0	0	1
7063_7063	7063	7063	0	0	0	0	0	0	1
7063_7064	7063	7064	0	0	0	0	0	0	1
7064_7064	7064	7064	0	0	0	0	0	0	1
7064_7065	7064	7065	0	0	0	0	0	0	1
7065_7065	7065	7065	0	0	0	0	0	0	1
7065_7066	7065	7066	0	0	0	0	0	0	1
7066_7066	7066	7066	0	0	0	0	0	0	1
7066_7067	7066	7067	0	0	0	0	0	0	1
7067_7067	7067	7067	0	0	0	0	0	0	1
7067_7068	7067	7068	0	0	0	0	0	0	1
7068_7068	7068	7068	0	0	0	0	0	0	1
7068_7069	7068	7069	0	0	0	0	0	0	1
7069_7069	7069	7069	0	0	0	0	0	0	1
7069_7070	7069	7070	0	0	0	0	0	0	1
7070_7070	7070	7070	0	0	0	0	0	0	1
7070_7071	7070	7071	0	0	0	0	0	0	1
7071_7071	7071	7071	0	0	0	0	0	0	1
7071_7072	7071	7072	0	0	0	0	0	0	1.01
7072_7072	7072	7072	0	0	0	0	0	0	1.01
7072_7073	7072	7073	0	0	0	0	0	0	1.01
7073_7073	7073	7073	0	0	0	0	0	0	1.01
7073_7074	7073	7074	0	0	0	0	0	0	1.01
7074_7074	7074	7074	0	0	0	0	0	0	1.01
7074_7075	7074	7075	0	0	0	0	0	0	1.03
7075_7075	7075	7075	0	0	0	0	0	0	1.03
7075_7076	7075	7076	0	0	0	0	0	0	1.03
7076_7076	7076	7076	0	0	0	0	0	0	1.03
7076_7077	7076	7077	0	0	0	0	0	0	1
7077_7077	7077	7077	0	0	0	0	0	0	1
7077_7078	7077	7078	0	0	0	0	0	0	1
7078_7078	7078	7078	0	0	0	0	0	0	1
7078_7079	7078	7079	0	0	0	0	0	0	1
7079_7079	7079	7079	0	0	0	0	0	0	1
7079_7080	7079	7080	0	0	0	0	0	0	1
7080_7080	7080	7080	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7080_7081	7080	7081	0	0	0	0	0	0	1
7081_7081	7081	7081	0	0	0	0	0	0	1
7081_7082	7081	7082	0	0	0	0	0	0	1
7082_7082	7082	7082	0	0	0	0	0	0	1
7082_7083	7082	7083	0	0	0	0	0	0	1
7083_7083	7083	7083	0	0	0	0	0	0	1
7083_7084	7083	7084	0	0	0	0	0	0	1
7084_7084	7084	7084	0	0	0	0	0	0	1
7084_7085	7084	7085	0	0	0	0	0	0	1
7085_7085	7085	7085	0	0	0	0	0	0	1
7085_7086	7085	7086	0	0	0	0	0	0	1
7086_7086	7086	7086	0	0	0	0	0	0	1
7086_7087	7086	7087	0	0	0	0	0	0	1
7087_7087	7087	7087	0	0	0	0	0	0	1
7087_7088	7087	7088	0	0	0	0	0	0	1
7088_7088	7088	7088	0	0	0	0	0	0	1
7088_7089	7088	7089	0	0	0	0	0	0	1.08
7089_7089	7089	7089	0	0	0	0	0	0	1.08
7089_7090	7089	7090	0	0	0	0	0	0	1.08
7090_7090	7090	7090	0	0	0	0	0	0	1.08
7090_7091	7090	7091	0	0	0	0	0	0	1.02
7091_7091	7091	7091	0	0	0	0	0	0	1.02
7091_7092	7091	7092	0	0	0	0	0	0	1.02
7092_7092	7092	7092	0	0	0	0	0	0	1.02
7092_7093	7092	7093	0	0	0	0	0	0	1.02
7093_7093	7093	7093	0	0	0	0	0	0	1.02
7093_7094	7093	7094	0	0	0	0	0	0	1
7094_7094	7094	7094	0	0	0	0	0	0	1
7094_7095	7094	7095	0	0	0	0	0	0	1
7095_7095	7095	7095	0	0	0	0	0	0	1
7095_7096	7095	7096	0	0	0	0	0	0	1
7096_7096	7096	7096	0	0	0	0	0	0	1
7096_7097	7096	7097	0	0	0	0	0	0	1
7097_7097	7097	7097	0	0	0	0	0	0	1
7097_7098	7097	7098	0	0	0	0	0	0	1
7098_7098	7098	7098	0	0	0	0	0	0	1
7098_7099	7098	7099	0	0	0	0	0	0	1
7099_7099	7099	7099	0	0	0	0	0	0	1
7099_7100	7099	7100	0	0	0	0	0	0	1
7100_7100	7100	7100	0	0	0	0	0	0	1
7100_7101	7100	7101	0	0	0	0	0	0	1
7101_7101	7101	7101	0	0	0	0	0	0	1
7101_7102	7101	7102	0	0	0	0	0	0	1
7102_7102	7102	7102	0	0	0	0	0	0	1
7102_7103	7102	7103	0	0	0	0	0	0	1
7103_7103	7103	7103	0	0	0	0	0	0	1
7103_7104	7103	7104	0	0	0	0	0	0	1
7104_7104	7104	7104	0	0	0	0	0	0	1
7104_7105	7104	7105	0	0	0	0	0	0	1
7105_7105	7105	7105	0	0	0	0	0	0	1
7105_7106	7105	7106	0	0	0	0	0	0	1
7106_7106	7106	7106	0	0	0	0	0	0	1
7106_7107	7106	7107	0	0	0	0	0	0	1
7107_7107	7107	7107	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7107_7108	7107	7108	0	0	0	0	0	0	1
7108_7108	7108	7108	0	0	0	0	0	0	1
7108_7109	7108	7109	0	0	0	0	0	0	1
7109_7109	7109	7109	0	0	0	0	0	0	1
7109_7110	7109	7110	0	0	0	0	0	0	1.01
7110_7110	7110	7110	0	0	0	0	0	0	1.01
7110_7111	7110	7111	0	0	0	0	0	0	1.01
7111_7111	7111	7111	0	0	0	0	0	0	1.01
7111_7112	7111	7112	0	0	0	0	0	0	1.01
7112_7112	7112	7112	0	0	0	0	0	0	1.01
7112_7113	7112	7113	0	0	0	0	0	0	1.03
7113_7113	7113	7113	0	0	0	0	0	0	1.03
7113_7114	7113	7114	0	0	0	0	0	0	1.03
7114_7114	7114	7114	0	0	0	0	0	0	1.03
7114_7115	7114	7115	0	0	0	0	0	0	1.11
7115_7115	7115	7115	0	0	0	0	0	0	1.11
7115_7116	7115	7116	0	0	0	0	0	0	1
7116_7116	7116	7116	0	0	0	0	0	0	1
7116_7117	7116	7117	0	0	0	0	0	0	1
7117_7117	7117	7117	0	0	0	0	0	0	1
7117_7118	7117	7118	0	0	0	0	0	0	1
7118_7118	7118	7118	0	0	0	0	0	0	1
7118_7119	7118	7119	0	0	0	0	0	0	1
7119_7119	7119	7119	0	0	0	0	0	0	1
7119_7120	7119	7120	0	0	0	0	0	0	1
7120_7120	7120	7120	0	0	0	0	0	0	1
7120_7121	7120	7121	0	0	0	0	0	0	1
7121_7121	7121	7121	0	0	0	0	0	0	1
7121_7122	7121	7122	0	0	0	0	0	0	1
7122_7122	7122	7122	0	0	0	0	0	0	1
7122_7123	7122	7123	0	0	0	0	0	0	1
7123_7123	7123	7123	0	0	0	0	0	0	1
7123_7124	7123	7124	0	0	0	0	0	0	1
7124_7124	7124	7124	0	0	0	0	0	0	1
7124_7125	7124	7125	0	0	0	0	0	0	1
7125_7125	7125	7125	0	0	0	0	0	0	1
7125_7126	7125	7126	0	0	0	0	0	0	1
7126_7126	7126	7126	0	0	0	0	0	0	1
7126_7127	7126	7127	0	0	0	0	0	0	1
7127_7127	7127	7127	0	0	0	0	0	0	1
7127_7128	7127	7128	0	0	0	0	0	0	1
7128_7128	7128	7128	0	0	0	0	0	0	1
7128_7129	7128	7129	0	0	0	0	0	0	1.07
7129_7129	7129	7129	0	0	0	0	0	0	1.07
7129_7130	7129	7130	0	0	0	0	0	0	1.04
7130_7130	7130	7130	0	0	0	0	0	0	1.04
7130_7131	7130	7131	0	0	0	0	0	0	1.03
7131_7131	7131	7131	0	0	0	0	0	0	1.03
7131_7132	7131	7132	0	0	0	0	0	0	1.03
7132_7132	7132	7132	0	0	0	0	0	0	1.03
7132_7133	7132	7133	0	0	0	0	0	0	1
7133_7133	7133	7133	0	0	0	0	0	0	1
7133_7134	7133	7134	0	0	0	0	0	0	1
7134_7134	7134	7134	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7134_7135	7134	7135	0	0	0	0	0	0	1
7135_7135	7135	7135	0	0	0	0	0	0	1
7135_7136	7135	7136	0	0	0	0	0	0	1
7136_7136	7136	7136	0	0	0	0	0	0	1
7136_7137	7136	7137	0	0	0	0	0	0	1
7137_7137	7137	7137	0	0	0	0	0	0	1
7137_7138	7137	7138	0	0	0	0	0	0	1
7138_7138	7138	7138	0	0	0	0	0	0	1
7138_7139	7138	7139	0	0	0	0	0	0	1
7139_7139	7139	7139	0	0	0	0	0	0	1
7139_7140	7139	7140	0	0	0	0	0	0	1
7140_7140	7140	7140	0	0	0	0	0	0	1
7140_7141	7140	7141	0	0	0	0	0	0	1
7141_7141	7141	7141	0	0	0	0	0	0	1
7141_7142	7141	7142	0	0	0	0	0	0	1
7142_7142	7142	7142	0	0	0	0	0	0	1
7142_7143	7142	7143	0	0	0	0	0	0	1
7143_7143	7143	7143	0	0	0	0	0	0	1
7143_7144	7143	7144	0	0	0	0	0	0	1
7144_7144	7144	7144	0	0	0	0	0	0	1
7144_7145	7144	7145	0	0	0	0	0	0	1
7145_7145	7145	7145	0	0	0	0	0	0	1
7145_7146	7145	7146	0	0	0	0	0	0	1
7146_7146	7146	7146	0	0	0	0	0	0	1
7146_7147	7146	7147	0	0	0	0	0	0	1
7147_7147	7147	7147	0	0	0	0	0	0	1
7147_7148	7147	7148	0	0	0	0	0	0	1
7148_7148	7148	7148	0	0	0	0	0	0	1
7148_7149	7148	7149	0	0	0	0	0	0	1
7149_7149	7149	7149	0	0	0	0	0	0	1
7149_7150	7149	7150	0	0	0	0	0	0	1
7150_7150	7150	7150	0	0	0	0	0	0	1
7150_7151	7150	7151	0	0	0	0	0	0	1
7151_7151	7151	7151	0	0	0	0	0	0	1
7151_7152	7151	7152	0	0	0	0	0	0	1
7152_7152	7152	7152	0	0	0	0	0	0	1
7152_7153	7152	7153	0	0	0	0	0	0	1
7153_7153	7153	7153	0	0	0	0	0	0	1
7153_7154	7153	7154	0	0	0	0	0	0	1
7154_7154	7154	7154	0	0	0	0	0	0	1
7154_7155	7154	7155	0	0	0	0	0	0	1
7155_7155	7155	7155	0	0	0	0	0	0	1
7155_7156	7155	7156	0	0	0	0	0	0	1
7156_7156	7156	7156	0	0	0	0	0	0	1
7156_7157	7156	7157	0	0	0	0	0	0	1
7157_7157	7157	7157	0	0	0	0	0	0	1
7157_7158	7157	7158	0	0	0	0	0	0	1
7158_7158	7158	7158	0	0	0	0	0	0	1
7158_7159	7158	7159	0	0	0	0	0	0	1
7159_7159	7159	7159	0	0	0	0	0	0	1
7159_7160	7159	7160	0	0	0	0	0	0	1
7160_7160	7160	7160	0	0	0	0	0	0	1
7160_7161	7160	7161	0	0	0	0	0	0	1
7161_7161	7161	7161	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7161_7162	7161	7162	0	0	0	0	0	0	1
7162_7162	7162	7162	0	0	0	0	0	0	1
7162_7163	7162	7163	0	0	0	0	0	0	1
7163_7163	7163	7163	0	0	0	0	0	0	1
7163_7164	7163	7164	0	0	0	0	0	0	1
7164_7164	7164	7164	0	0	0	0	0	0	1
7164_7165	7164	7165	0	0	0	0	0	0	1
7165_7165	7165	7165	0	0	0	0	0	0	1
7165_7166	7165	7166	0	0	0	0	0	0	1
7166_7166	7166	7166	0	0	0	0	0	0	1
7166_7167	7166	7167	0	0	0	0	0	0	1
7167_7167	7167	7167	0	0	0	0	0	0	1
7167_7168	7167	7168	0	0	0	0	0	0	1
7168_7168	7168	7168	0	0	0	0	0	0	1
7168_7169	7168	7169	0	0	0	0	0	0	1
7169_7169	7169	7169	0	0	0	0	0	0	1
7169_7170	7169	7170	0	0	0	0	0	0	1
7170_7170	7170	7170	0	0	0	0	0	0	1
7170_7171	7170	7171	0	0	0	0	0	0	1
7171_7171	7171	7171	0	0	0	0	0	0	1
7171_7172	7171	7172	0	0	0	0	0	0	1
7172_7172	7172	7172	0	0	0	0	0	0	1
7172_7173	7172	7173	0	0	0	0	0	0	1
7173_7173	7173	7173	0	0	0	0	0	0	1
7173_7174	7173	7174	0	0	0	0	0	0	1
7174_7174	7174	7174	0	0	0	0	0	0	1
7174_7175	7174	7175	0	0	0	0	0	0	1
7175_7175	7175	7175	0	0	0	0	0	0	1
7175_7176	7175	7176	0	0	0	0	0	0	1
7176_7176	7176	7176	0	0	0	0	0	0	1
7176_7177	7176	7177	0	0	0	0	0	0	1
7177_7177	7177	7177	0	0	0	0	0	0	1
7177_7178	7177	7178	0	0	0	0	0	0	1
7178_7178	7178	7178	0	0	0	0	0	0	1
7178_7179	7178	7179	0	0	0	0	0	0	1
7179_7179	7179	7179	0	0	0	0	0	0	1
7179_7180	7179	7180	0	0	0	0	0	0	1
7180_7180	7180	7180	0	0	0	0	0	0	1
7180_7181	7180	7181	0	0	0	0	0	0	1
7181_7181	7181	7181	0	0	0	0	0	0	1
7181_7182	7181	7182	0	0	0	0	0	0	1
7182_7182	7182	7182	0	0	0	0	0	0	1
7182_7183	7182	7183	0	0	0	0	0	0	1
7183_7183	7183	7183	0	0	0	0	0	0	1
7183_7184	7183	7184	0	0	0	0	0	0	1.02
7184_7184	7184	7184	0	0	0	0	0	0	1.02
7184_7185	7184	7185	0	0	0	0	0	0	1.03
7185_7185	7185	7185	0	0	0	0	0	0	1.03
7185_7186	7185	7186	0	0	0	0	0	0	1.04
7186_7186	7186	7186	0	0	0	0	0	0	1.04
7186_7187	7186	7187	0	0	0	0	0	0	1.08
7187_7187	7187	7187	0	0	0	0	0	0	1.08
7187_7188	7187	7188	0	0	0	0	0	0	1.08
7188_7188	7188	7188	0	0	0	0	0	0	1.08

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7188_7189	7188	7189	0	0	0	0	0	0	1
7189_7189	7189	7189	0	0	0	0	0	0	1
7189_7190	7189	7190	0	0	0	0	0	0	1
7190_7190	7190	7190	0	0	0	0	0	0	1
7190_7191	7190	7191	0	0	0	0	0	0	1
7191_7191	7191	7191	0	0	0	0	0	0	1
7191_7192	7191	7192	0	0	0	0	0	0	1
7192_7192	7192	7192	0	0	0	0	0	0	1
7192_7193	7192	7193	0	0	0	0	0	0	1
7193_7193	7193	7193	0	0	0	0	0	0	1
7193_7194	7193	7194	0	0	0	0	0	0	1
7194_7194	7194	7194	0	0	0	0	0	0	1
7194_7195	7194	7195	0	0	0	0	0	0	1
7195_7195	7195	7195	0	0	0	0	0	0	1
7195_7196	7195	7196	0	0	0	0	0	0	1
7196_7196	7196	7196	0	0	0	0	0	0	1
7196_7197	7196	7197	0	0	0	0	0	0	1
7197_7197	7197	7197	0	0	0	0	0	0	1
7197_7198	7197	7198	0	0	0	0	0	0	1
7198_7198	7198	7198	0	0	0	0	0	0	1
7198_7199	7198	7199	0	0	0	0	0	0	1.03
7199_7199	7199	7199	0	0	0	0	0	0	1.03
7199_7200	7199	7200	0	0	0	0	0	0	1.03
7200_7200	7200	7200	0	0	0	0	0	0	1.03
7200_7201	7200	7201	0	0	0	0	0	0	1.03
7201_7201	7201	7201	0	0	0	0	0	0	1.03
7201_7202	7201	7202	0	0	0	0	0	0	1.02
7202_7202	7202	7202	0	0	0	0	0	0	1.02
7202_7203	7202	7203	0	0	0	0	0	0	1.01
7203_7203	7203	7203	0	0	0	0	0	0	1.01
7203_7204	7203	7204	0	0	0	0	0	0	1.01
7204_7204	7204	7204	0	0	0	0	0	0	1.01
7204_7205	7204	7205	0	0	0	0	0	0	1
7205_7205	7205	7205	0	0	0	0	0	0	1
7205_7206	7205	7206	0	0	0	0	0	0	1
7206_7206	7206	7206	0	0	0	0	0	0	1
7206_7207	7206	7207	0	0	0	0	0	0	1
7207_7207	7207	7207	0	0	0	0	0	0	1
7207_7208	7207	7208	0	0	0	0	0	0	1
7208_7208	7208	7208	0	0	0	0	0	0	1
7208_7209	7208	7209	0	0	0	0	0	0	1
7209_7209	7209	7209	0	0	0	0	0	0	1
7209_7210	7209	7210	0	0	0	0	0	0	1
7210_7210	7210	7210	0	0	0	0	0	0	1
7210_7211	7210	7211	0	0	0	0	0	0	1
7211_7211	7211	7211	0	0	0	0	0	0	1
7211_7212	7211	7212	0	0	0	0	0	0	1
7212_7212	7212	7212	0	0	0	0	0	0	1
7212_7213	7212	7213	0	0	0	0	0	0	1
7213_7213	7213	7213	0	0	0	0	0	0	1
7213_7214	7213	7214	0	0	0	0	0	0	1
7214_7214	7214	7214	0	0	0	0	0	0	1
7214_7215	7214	7215	0	0	0	0	0	0	1
7215_7215	7215	7215	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7215_7216	7215	7216	0	0	0	0	0	0	1
7216_7216	7216	7216	0	0	0	0	0	0	1
7216_7217	7216	7217	0	0	0	0	0	0	1
7217_7217	7217	7217	0	0	0	0	0	0	1
7217_7218	7217	7218	0	0	0	0	0	0	1
7218_7218	7218	7218	0	0	0	0	0	0	1
7218_7219	7218	7219	0	0	0	0	0	0	1
7219_7219	7219	7219	0	0	0	0	0	0	1
7219_7220	7219	7220	0	0	0	0	0	0	1
7220_7220	7220	7220	0	0	0	0	0	0	1
7220_7221	7220	7221	0	0	0	0	0	0	1
7221_7221	7221	7221	0	0	0	0	0	0	1
7221_7222	7221	7222	0	0	0	0	0	0	1.01
7222_7222	7222	7222	0	0	0	0	0	0	1.01
7222_7223	7222	7223	0	0	0	0	0	0	1.01
7223_7223	7223	7223	0	0	0	0	0	0	1.01
7223_7224	7223	7224	0	0	0	0	0	0	1.03
7224_7224	7224	7224	0	0	0	0	0	0	1.03
7224_7225	7224	7225	0	0	0	0	0	0	1
7225_7225	7225	7225	0	0	0	0	0	0	1
7225_7226	7225	7226	0	0	0	0	0	0	1
7226_7226	7226	7226	0	0	0	0	0	0	1
7226_7227	7226	7227	0	0	0	0	0	0	1
7227_7227	7227	7227	0	0	0	0	0	0	1
7227_7228	7227	7228	0	0	0	0	0	0	1
7228_7228	7228	7228	0	0	0	0	0	0	1
7228_7229	7228	7229	0	0	0	0	0	0	1
7229_7229	7229	7229	0	0	0	0	0	0	1
7229_7230	7229	7230	0	0	0	0	0	0	1
7230_7230	7230	7230	0	0	0	0	0	0	1
7230_7231	7230	7231	0	0	0	0	0	0	1
7231_7231	7231	7231	0	0	0	0	0	0	1
7231_7232	7231	7232	0	0	0	0	0	0	1
7232_7232	7232	7232	0	0	0	0	0	0	1
7232_7233	7232	7233	0	0	0	0	0	0	1.03
7233_7233	7233	7233	0	0	0	0	0	0	1.03
7233_7234	7233	7234	0	0	0	0	0	0	1.03
7234_7234	7234	7234	0	0	0	0	0	0	1.03
7234_7235	7234	7235	0	0	0	0	0	0	1.03
7235_7235	7235	7235	0	0	0	0	0	0	1.03
7235_7236	7235	7236	0	0	0	0	0	0	1.03
7236_7236	7236	7236	0	0	0	0	0	0	1.03
7236_7237	7236	7237	0	0	0	0	0	0	1.01
7237_7237	7237	7237	0	0	0	0	0	0	1.01
7237_7238	7237	7238	0	0	0	0	0	0	1.01
7238_7238	7238	7238	0	0	0	0	0	0	1.01
7238_7239	7238	7239	0	0	0	0	0	0	1.01
7239_7239	7239	7239	0	0	0	0	0	0	1.01
7239_7240	7239	7240	0	0	0	0	0	0	1
7240_7240	7240	7240	0	0	0	0	0	0	1
7240_7241	7240	7241	0	0	0	0	0	0	1
7241_7241	7241	7241	0	0	0	0	0	0	1
7241_7242	7241	7242	0	0	0	0	0	0	1
7242_7242	7242	7242	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7242_7243	7242	7243	0	0	0	0	0	0	1
7243_7243	7243	7243	0	0	0	0	0	0	1
7243_7244	7243	7244	0	0	0	0	0	0	1
7244_7244	7244	7244	0	0	0	0	0	0	1
7244_7245	7244	7245	0	0	0	0	0	0	1
7245_7245	7245	7245	0	0	0	0	0	0	1
7245_7246	7245	7246	0	0	0	0	0	0	1
7246_7246	7246	7246	0	0	0	0	0	0	1
7246_7247	7246	7247	0	0	0	0	0	0	1
7247_7247	7247	7247	0	0	0	0	0	0	1
7247_7248	7247	7248	0	0	0	0	0	0	1
7248_7248	7248	7248	0	0	0	0	0	0	1
7248_7249	7248	7249	0	0	0	0	0	0	1
7249_7249	7249	7249	0	0	0	0	0	0	1
7249_7250	7249	7250	0	0	0	0	0	0	1
7250_7250	7250	7250	0	0	0	0	0	0	1
7250_7251	7250	7251	0	0	0	0	0	0	1
7251_7251	7251	7251	0	0	0	0	0	0	1
7251_7252	7251	7252	0	0	0	0	0	0	1
7252_7252	7252	7252	0	0	0	0	0	0	1
7252_7253	7252	7253	0	0	0	0	0	0	1.01
7253_7253	7253	7253	0	0	0	0	0	0	1.01
7253_7254	7253	7254	0	0	0	0	0	0	1.01
7254_7254	7254	7254	0	0	0	0	0	0	1.01
7254_7255	7254	7255	0	0	0	0	0	0	1.02
7255_7255	7255	7255	0	0	0	0	0	0	1.02
7255_7256	7255	7256	0	0	0	0	0	0	1.03
7256_7256	7256	7256	0	0	0	0	0	0	1.03
7256_7257	7256	7257	0	0	0	0	0	0	1.05
7257_7257	7257	7257	0	0	0	0	0	0	1.05
7257_7258	7257	7258	0	0	0	0	0	0	1.05
7258_7258	7258	7258	0	0	0	0	0	0	1.05
7258_7259	7258	7259	0	0	0	0	0	0	1.05
7259_7259	7259	7259	0	0	0	0	0	0	1.05
7259_7260	7259	7260	0	0	0	0	0	0	1
7260_7260	7260	7260	0	0	0	0	0	0	1
7260_7261	7260	7261	0	0	0	0	0	0	1
7261_7261	7261	7261	0	0	0	0	0	0	1
7261_7262	7261	7262	0	0	0	0	0	0	1
7262_7262	7262	7262	0	0	0	0	0	0	1
7262_7263	7262	7263	0	0	0	0	0	0	1
7263_7263	7263	7263	0	0	0	0	0	0	1
7263_7264	7263	7264	0	0	0	0	0	0	1
7264_7264	7264	7264	0	0	0	0	0	0	1
7264_7265	7264	7265	0	0	0	0	0	0	1
7265_7265	7265	7265	0	0	0	0	0	0	1
7265_7266	7265	7266	0	0	0	0	0	0	1
7266_7266	7266	7266	0	0	0	0	0	0	1
7266_7267	7266	7267	0	0	0	0	0	0	1
7267_7267	7267	7267	0	0	0	0	0	0	1
7267_7268	7267	7268	0	0	0	0	0	0	1
7268_7268	7268	7268	0	0	0	0	0	0	1
7268_7269	7268	7269	0	0	0	0	0	0	1.07
7269_7269	7269	7269	0	0	0	0	0	0	1.07

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7269_7270	7269	7270	0	0	0	0	0	0	1.04
7270_7270	7270	7270	0	0	0	0	0	0	1.04
7270_7271	7270	7271	0	0	0	0	0	0	1.04
7271_7271	7271	7271	0	0	0	0	0	0	1.04
7271_7272	7271	7272	0	0	0	0	0	0	1.03
7272_7272	7272	7272	0	0	0	0	0	0	1.03
7272_7273	7272	7273	0	0	0	0	0	0	1.03
7273_7273	7273	7273	0	0	0	0	0	0	1.03
7273_7274	7273	7274	0	0	0	0	0	0	1.03
7274_7274	7274	7274	0	0	0	0	0	0	1.03
7274_7275	7274	7275	0	0	0	0	0	0	1.02
7275_7275	7275	7275	0	0	0	0	0	0	1.02
7275_7276	7275	7276	0	0	0	0	0	0	1
7276_7276	7276	7276	0	0	0	0	0	0	1
7276_7277	7276	7277	0	0	0	0	0	0	1
7277_7277	7277	7277	0	0	0	0	0	0	1
7277_7278	7277	7278	0	0	0	0	0	0	1
7278_7278	7278	7278	0	0	0	0	0	0	1
7278_7279	7278	7279	0	0	0	0	0	0	1
7279_7279	7279	7279	0	0	0	0	0	0	1
7279_7280	7279	7280	0	0	0	0	0	0	1
7280_7280	7280	7280	0	0	0	0	0	0	1
7280_7281	7280	7281	0	0	0	0	0	0	1
7281_7281	7281	7281	0	0	0	0	0	0	1
7281_7282	7281	7282	0	0	0	0	0	0	1
7282_7282	7282	7282	0	0	0	0	0	0	1
7282_7283	7282	7283	0	0	0	0	0	0	1
7283_7283	7283	7283	0	0	0	0	0	0	1
7283_7284	7283	7284	0	0	0	0	0	0	1
7284_7284	7284	7284	0	0	0	0	0	0	1
7284_7285	7284	7285	0	0	0	0	0	0	1
7285_7285	7285	7285	0	0	0	0	0	0	1
7285_7286	7285	7286	0	0	0	0	0	0	1
7286_7286	7286	7286	0	0	0	0	0	0	1
7286_7287	7286	7287	0	0	0	0	0	0	1
7287_7287	7287	7287	0	0	0	0	0	0	1
7287_7288	7287	7288	0	0	0	0	0	0	1.02
7288_7288	7288	7288	0	0	0	0	0	0	1.02
7288_7289	7288	7289	0	0	0	0	0	0	1.02
7289_7289	7289	7289	0	0	0	0	0	0	1.02
7289_7290	7289	7290	0	0	0	0	0	0	1.03
7290_7290	7290	7290	0	0	0	0	0	0	1.03
7290_7291	7290	7291	0	0	0	0	0	0	1.05
7291_7291	7291	7291	0	0	0	0	0	0	1.05
7291_7292	7291	7292	0	0	0	0	0	0	1.14
7292_7292	7292	7292	0	0	0	0	0	0	1.14
7292_7293	7292	7293	0	0	0	0	0	0	1
7293_7293	7293	7293	0	0	0	0	0	0	1
7293_7294	7293	7294	0	0	0	0	0	0	1
7294_7294	7294	7294	0	0	0	0	0	0	1
7294_7295	7294	7295	0	0	0	0	0	0	1
7295_7295	7295	7295	0	0	0	0	0	0	1
7295_7296	7295	7296	0	0	0	0	0	0	1
7296_7296	7296	7296	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7296_7297	7296	7297	0	0	0	0	0	0	1
7297_7297	7297	7297	0	0	0	0	0	0	1
7297_7298	7297	7298	0	0	0	0	0	0	1
7298_7298	7298	7298	0	0	0	0	0	0	1
7298_7299	7298	7299	0	0	0	0	0	0	1
7299_7299	7299	7299	0	0	0	0	0	0	1
7299_7300	7299	7300	0	0	0	0	0	0	1
7300_7300	7300	7300	0	0	0	0	0	0	1
7300_7301	7300	7301	0	0	0	0	0	0	1
7301_7301	7301	7301	0	0	0	0	0	0	1
7301_7302	7301	7302	0	0	0	0	0	0	1
7302_7302	7302	7302	0	0	0	0	0	0	1
7302_7303	7302	7303	0	0	0	0	0	0	1
7303_7303	7303	7303	0	0	0	0	0	0	1
7303_7304	7303	7304	0	0	0	0	0	0	1
7304_7304	7304	7304	0	0	0	0	0	0	1
7304_7305	7304	7305	0	0	0	0	0	0	1
7305_7305	7305	7305	0	0	0	0	0	0	1
7305_7306	7305	7306	0	0	0	0	0	0	1
7306_7306	7306	7306	0	0	0	0	0	0	1
7306_7307	7306	7307	0	0	0	0	0	0	1
7307_7307	7307	7307	0	0	0	0	0	0	1
7307_7308	7307	7308	0	0	0	0	0	0	1
7308_7308	7308	7308	0	0	0	0	0	0	1
7308_7309	7308	7309	0	0	0	0	0	0	1
7309_7309	7309	7309	0	0	0	0	0	0	1
7309_7310	7309	7310	0	0	0	0	0	0	1
7310_7310	7310	7310	0	0	0	0	0	0	1
7310_7311	7310	7311	0	0	0	0	0	0	1
7400_7020	7400	7020	0	0	0	0	0	0	1.02
7400_7401	7400	7401	0	0	0	0	0	0	1
7401_7401	7401	7401	0	0	0	0	0	0	1
7401_7402	7401	7402	0	0	0	0	0	0	1
7402_7402	7402	7402	0	0	0	0	0	0	1
7402_7403	7402	7403	0	0	0	0	0	0	1
7403_7403	7403	7403	0	0	0	0	0	0	1
7403_7404	7403	7404	0	0	0	0	0	0	1
7404_7404	7404	7404	0	0	0	0	0	0	1
7404_7405	7404	7405	0	0	0	0	0	0	1
7405_7405	7405	7405	0	0	0	0	0	0	1
7405_7406	7405	7406	0	0	0	0	0	0	1
7406_7406	7406	7406	0	0	0	0	0	0	1
7406_7407	7406	7407	0	0	0	0	0	0	1
7407_7407	7407	7407	0	0	0	0	0	0	1
7407_7408	7407	7408	0	0	0	0	0	0	1
7408_7408	7408	7408	0	0	0	0	0	0	1
7408_7409	7408	7409	0	0	0	0	0	0	1
7409_7409	7409	7409	0	0	0	0	0	0	1
7409_7410	7409	7410	0	0	0	0	0	0	1
7410_7410	7410	7410	0	0	0	0	0	0	1
7410_7411	7410	7411	0	0	0	0	0	0	1
7411_7411	7411	7411	0	0	0	0	0	0	1
7411_7412	7411	7412	0	0	0	0	0	0	1
7412_7412	7412	7412	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7412_7413	7412	7413	0	0	0	0	0	0	1
7413_7413	7413	7413	0	0	0	0	0	0	1
7413_7414	7413	7414	0	0	0	0	0	0	1
7414_7414	7414	7414	0	0	0	0	0	0	1
7414_7415	7414	7415	0	0	0	0	0	0	1
7415_7415	7415	7415	0	0	0	0	0	0	1
7415_7416	7415	7416	0	0	0	0	0	0	1
7416_7416	7416	7416	0	0	0	0	0	0	1
7416_7417	7416	7417	0	0	0	0	0	0	1
7417_7417	7417	7417	0	0	0	0	0	0	1
7417_7036	7417	7036	0	0	0	0	0	0	1.01
7420_7056	7420	7056	0	0	0	0	0	0	1.01
7420_7421	7420	7421	0	0	0	0	0	0	1
7421_7421	7421	7421	0	0	0	0	0	0	1
7421_7422	7421	7422	0	0	0	0	0	0	1
7422_7422	7422	7422	0	0	0	0	0	0	1
7422_7423	7422	7423	0	0	0	0	0	0	1
7423_7423	7423	7423	0	0	0	0	0	0	1
7423_7424	7423	7424	0	0	0	0	0	0	1
7424_7424	7424	7424	0	0	0	0	0	0	1
7424_7425	7424	7425	0	0	0	0	0	0	1
7425_7425	7425	7425	0	0	0	0	0	0	1
7425_7426	7425	7426	0	0	0	0	0	0	1
7426_7426	7426	7426	0	0	0	0	0	0	1
7426_7427	7426	7427	0	0	0	0	0	0	1
7427_7427	7427	7427	0	0	0	0	0	0	1
7427_7428	7427	7428	0	0	0	0	0	0	1
7428_7428	7428	7428	0	0	0	0	0	0	1
7428_7429	7428	7429	0	0	0	0	0	0	1
7429_7429	7429	7429	0	0	0	0	0	0	1
7429_7430	7429	7430	0	0	0	0	0	0	1
7430_7430	7430	7430	0	0	0	0	0	0	1
7430_7431	7430	7431	0	0	0	0	0	0	1
7431_7431	7431	7431	0	0	0	0	0	0	1
7431_7432	7431	7432	0	0	0	0	0	0	1
7432_7432	7432	7432	0	0	0	0	0	0	1
7432_7433	7432	7433	0	0	0	0	0	0	1
7433_7433	7433	7433	0	0	0	0	0	0	1
7433_7434	7433	7434	0	0	0	0	0	0	1
7434_7434	7434	7434	0	0	0	0	0	0	1
7434_7435	7434	7435	0	0	0	0	0	0	1
7435_7435	7435	7435	0	0	0	0	0	0	1
7435_7436	7435	7436	0	0	0	0	0	0	1
7436_7436	7436	7436	0	0	0	0	0	0	1
7436_7437	7436	7437	0	0	0	0	0	0	1
7437_7437	7437	7437	0	0	0	0	0	0	1
7437_7072	7437	7072	0	0	0	0	0	0	1.01
7440_7094	7440	7094	0	0	0	0	0	0	1
7440_7441	7440	7441	0	0	0	0	0	0	1
7441_7441	7441	7441	0	0	0	0	0	0	1
7441_7442	7441	7442	0	0	0	0	0	0	1
7442_7442	7442	7442	0	0	0	0	0	0	1
7442_7443	7442	7443	0	0	0	0	0	0	1
7443_7443	7443	7443	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7443_7444	7443	7444	0	0	0	0	0	0	1
7444_7444	7444	7444	0	0	0	0	0	0	1
7444_7445	7444	7445	0	0	0	0	0	0	1
7445_7445	7445	7445	0	0	0	0	0	0	1
7445_7446	7445	7446	0	0	0	0	0	0	1
7446_7446	7446	7446	0	0	0	0	0	0	1
7446_7447	7446	7447	0	0	0	0	0	0	1
7447_7447	7447	7447	0	0	0	0	0	0	1
7447_7448	7447	7448	0	0	0	0	0	0	1
7448_7448	7448	7448	0	0	0	0	0	0	1
7448_7449	7448	7449	0	0	0	0	0	0	1
7449_7449	7449	7449	0	0	0	0	0	0	1
7449_7450	7449	7450	0	0	0	0	0	0	1
7450_7450	7450	7450	0	0	0	0	0	0	1
7450_7451	7450	7451	0	0	0	0	0	0	1
7451_7451	7451	7451	0	0	0	0	0	0	1
7451_7452	7451	7452	0	0	0	0	0	0	1
7452_7452	7452	7452	0	0	0	0	0	0	1
7452_7453	7452	7453	0	0	0	0	0	0	1
7453_7453	7453	7453	0	0	0	0	0	0	1
7453_7454	7453	7454	0	0	0	0	0	0	1
7454_7454	7454	7454	0	0	0	0	0	0	1
7454_7455	7454	7455	0	0	0	0	0	0	1
7455_7455	7455	7455	0	0	0	0	0	0	1
7455_7456	7455	7456	0	0	0	0	0	0	1
7456_7456	7456	7456	0	0	0	0	0	0	1
7456_7457	7456	7457	0	0	0	0	0	0	1
7457_7457	7457	7457	0	0	0	0	0	0	1
7457_7110	7457	7110	0	0	0	0	0	0	1.01
7460_7132	7460	7132	0	0	0	0	0	0	1.03
7460_7461	7460	7461	0	0	0	0	0	0	1
7461_7461	7461	7461	0	0	0	0	0	0	1
7461_7462	7461	7462	0	0	0	0	0	0	1
7462_7462	7462	7462	0	0	0	0	0	0	1
7462_7463	7462	7463	0	0	0	0	0	0	1
7463_7463	7463	7463	0	0	0	0	0	0	1
7463_7464	7463	7464	0	0	0	0	0	0	1
7464_7464	7464	7464	0	0	0	0	0	0	1
7464_7465	7464	7465	0	0	0	0	0	0	1
7465_7465	7465	7465	0	0	0	0	0	0	1
7465_7466	7465	7466	0	0	0	0	0	0	1
7466_7466	7466	7466	0	0	0	0	0	0	1
7466_7467	7466	7467	0	0	0	0	0	0	1
7467_7467	7467	7467	0	0	0	0	0	0	1
7467_7468	7467	7468	0	0	0	0	0	0	1
7468_7468	7468	7468	0	0	0	0	0	0	1
7468_7469	7468	7469	0	0	0	0	0	0	1
7469_7469	7469	7469	0	0	0	0	0	0	1
7469_7470	7469	7470	0	0	0	0	0	0	1
7470_7470	7470	7470	0	0	0	0	0	0	1
7470_7471	7470	7471	0	0	0	0	0	0	1
7471_7471	7471	7471	0	0	0	0	0	0	1
7471_7472	7471	7472	0	0	0	0	0	0	1
7472_7472	7472	7472	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7472_7473	7472	7473	0	0	0	0	0	0	1
7473_7473	7473	7473	0	0	0	0	0	0	1
7473_7474	7473	7474	0	0	0	0	0	0	1
7474_7474	7474	7474	0	0	0	0	0	0	1
7474_7475	7474	7475	0	0	0	0	0	0	1
7475_7475	7475	7475	0	0	0	0	0	0	1
7475_7476	7475	7476	0	0	0	0	0	0	1
7476_7476	7476	7476	0	0	0	0	0	0	1
7476_7477	7476	7477	0	0	0	0	0	0	1
7477_7477	7477	7477	0	0	0	0	0	0	1
7477_7148	7477	7148	0	0	0	0	0	0	1
7480_7168	7480	7168	0	0	0	0	0	0	1
7480_7481	7480	7481	0	0	0	0	0	0	1
7481_7481	7481	7481	0	0	0	0	0	0	1
7481_7482	7481	7482	0	0	0	0	0	0	1
7482_7482	7482	7482	0	0	0	0	0	0	1
7482_7483	7482	7483	0	0	0	0	0	0	1
7483_7483	7483	7483	0	0	0	0	0	0	1
7483_7484	7483	7484	0	0	0	0	0	0	1
7484_7484	7484	7484	0	0	0	0	0	0	1
7484_7485	7484	7485	0	0	0	0	0	0	1
7485_7485	7485	7485	0	0	0	0	0	0	1
7485_7486	7485	7486	0	0	0	0	0	0	1
7486_7486	7486	7486	0	0	0	0	0	0	1
7486_7487	7486	7487	0	0	0	0	0	0	1
7487_7487	7487	7487	0	0	0	0	0	0	1
7487_7488	7487	7488	0	0	0	0	0	0	1
7488_7488	7488	7488	0	0	0	0	0	0	1
7488_7489	7488	7489	0	0	0	0	0	0	1
7489_7489	7489	7489	0	0	0	0	0	0	1
7489_7490	7489	7490	0	0	0	0	0	0	1
7490_7490	7490	7490	0	0	0	0	0	0	1
7490_7491	7490	7491	0	0	0	0	0	0	1
7491_7491	7491	7491	0	0	0	0	0	0	1
7491_7492	7491	7492	0	0	0	0	0	0	1
7492_7492	7492	7492	0	0	0	0	0	0	1
7492_7493	7492	7493	0	0	0	0	0	0	1
7493_7493	7493	7493	0	0	0	0	0	0	1
7493_7494	7493	7494	0	0	0	0	0	0	1
7494_7494	7494	7494	0	0	0	0	0	0	1
7494_7495	7494	7495	0	0	0	0	0	0	1
7495_7495	7495	7495	0	0	0	0	0	0	1
7495_7496	7495	7496	0	0	0	0	0	0	1
7496_7496	7496	7496	0	0	0	0	0	0	1
7496_7497	7496	7497	0	0	0	0	0	0	1
7497_7497	7497	7497	0	0	0	0	0	0	1
7497_7184	7497	7184	0	0	0	0	0	0	1.02
7500_7204	7500	7204	0	0	0	0	0	0	1.01
7500_7501	7500	7501	0	0	0	0	0	0	1
7501_7501	7501	7501	0	0	0	0	0	0	1
7501_7502	7501	7502	0	0	0	0	0	0	1
7502_7502	7502	7502	0	0	0	0	0	0	1
7502_7503	7502	7503	0	0	0	0	0	0	1
7503_7503	7503	7503	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7503_7504	7503	7504	0	0	0	0	0	0	1
7504_7504	7504	7504	0	0	0	0	0	0	1
7504_7505	7504	7505	0	0	0	0	0	0	1
7505_7505	7505	7505	0	0	0	0	0	0	1
7505_7506	7505	7506	0	0	0	0	0	0	1
7506_7506	7506	7506	0	0	0	0	0	0	1
7506_7507	7506	7507	0	0	0	0	0	0	1
7507_7507	7507	7507	0	0	0	0	0	0	1
7507_7508	7507	7508	0	0	0	0	0	0	1
7508_7508	7508	7508	0	0	0	0	0	0	1
7508_7509	7508	7509	0	0	0	0	0	0	1
7509_7509	7509	7509	0	0	0	0	0	0	1
7509_7510	7509	7510	0	0	0	0	0	0	1
7510_7510	7510	7510	0	0	0	0	0	0	1
7510_7511	7510	7511	0	0	0	0	0	0	1
7511_7511	7511	7511	0	0	0	0	0	0	1
7511_7512	7511	7512	0	0	0	0	0	0	1
7512_7512	7512	7512	0	0	0	0	0	0	1
7512_7513	7512	7513	0	0	0	0	0	0	1
7513_7513	7513	7513	0	0	0	0	0	0	1
7513_7514	7513	7514	0	0	0	0	0	0	1
7514_7514	7514	7514	0	0	0	0	0	0	1
7514_7515	7514	7515	0	0	0	0	0	0	1
7515_7515	7515	7515	0	0	0	0	0	0	1
7515_7516	7515	7516	0	0	0	0	0	0	1
7516_7516	7516	7516	0	0	0	0	0	0	1
7516_7517	7516	7517	0	0	0	0	0	0	1
7517_7517	7517	7517	0	0	0	0	0	0	1
7517_7220	7517	7220	0	0	0	0	0	0	1
7520_7240	7520	7240	0	0	0	0	0	0	1
7520_7521	7520	7521	0	0	0	0	0	0	1
7521_7521	7521	7521	0	0	0	0	0	0	1
7521_7522	7521	7522	0	0	0	0	0	0	1
7522_7522	7522	7522	0	0	0	0	0	0	1
7522_7523	7522	7523	0	0	0	0	0	0	1
7523_7523	7523	7523	0	0	0	0	0	0	1
7523_7524	7523	7524	0	0	0	0	0	0	1
7524_7524	7524	7524	0	0	0	0	0	0	1
7524_7525	7524	7525	0	0	0	0	0	0	1
7525_7525	7525	7525	0	0	0	0	0	0	1
7525_7526	7525	7526	0	0	0	0	0	0	1
7526_7526	7526	7526	0	0	0	0	0	0	1
7526_7527	7526	7527	0	0	0	0	0	0	1
7527_7527	7527	7527	0	0	0	0	0	0	1
7527_7528	7527	7528	0	0	0	0	0	0	1
7528_7528	7528	7528	0	0	0	0	0	0	1
7528_7529	7528	7529	0	0	0	0	0	0	1
7529_7529	7529	7529	0	0	0	0	0	0	1
7529_7530	7529	7530	0	0	0	0	0	0	1
7530_7530	7530	7530	0	0	0	0	0	0	1
7530_7531	7530	7531	0	0	0	0	0	0	1
7531_7531	7531	7531	0	0	0	0	0	0	1
7531_7532	7531	7532	0	0	0	0	0	0	1
7532_7532	7532	7532	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7532_7533	7532	7533	0	0	0	0	0	0	1
7533_7533	7533	7533	0	0	0	0	0	0	1
7533_7534	7533	7534	0	0	0	0	0	0	1
7534_7534	7534	7534	0	0	0	0	0	0	1
7534_7535	7534	7535	0	0	0	0	0	0	1
7535_7535	7535	7535	0	0	0	0	0	0	1
7535_7536	7535	7536	0	0	0	0	0	0	1
7536_7536	7536	7536	0	0	0	0	0	0	1
7536_7537	7536	7537	0	0	0	0	0	0	1
7537_7537	7537	7537	0	0	0	0	0	0	1
7537_7253	7537	7253	0	0	0	0	0	0	1.01
7540_7275	7540	7275	0	0	0	0	0	0	1.02
7540_7541	7540	7541	0	0	0	0	0	0	1
7541_7541	7541	7541	0	0	0	0	0	0	1
7541_7542	7541	7542	0	0	0	0	0	0	1
7542_7542	7542	7542	0	0	0	0	0	0	1
7542_7543	7542	7543	0	0	0	0	0	0	1
7543_7543	7543	7543	0	0	0	0	0	0	1
7543_7544	7543	7544	0	0	0	0	0	0	1
7544_7544	7544	7544	0	0	0	0	0	0	1
7544_7545	7544	7545	0	0	0	0	0	0	1
7545_7545	7545	7545	0	0	0	0	0	0	1
7545_7546	7545	7546	0	0	0	0	0	0	1
7546_7546	7546	7546	0	0	0	0	0	0	1
7546_7547	7546	7547	0	0	0	0	0	0	1
7547_7547	7547	7547	0	0	0	0	0	0	1
7547_7548	7547	7548	0	0	0	0	0	0	1
7548_7548	7548	7548	0	0	0	0	0	0	1
7548_7549	7548	7549	0	0	0	0	0	0	1
7549_7549	7549	7549	0	0	0	0	0	0	1
7549_7550	7549	7550	0	0	0	0	0	0	1
7550_7550	7550	7550	0	0	0	0	0	0	1
7550_7551	7550	7551	0	0	0	0	0	0	1
7551_7551	7551	7551	0	0	0	0	0	0	1
7551_7552	7551	7552	0	0	0	0	0	0	1
7552_7552	7552	7552	0	0	0	0	0	0	1
7552_7553	7552	7553	0	0	0	0	0	0	1
7553_7553	7553	7553	0	0	0	0	0	0	1
7553_7554	7553	7554	0	0	0	0	0	0	1
7554_7554	7554	7554	0	0	0	0	0	0	1
7554_7555	7554	7555	0	0	0	0	0	0	1
7555_7555	7555	7555	0	0	0	0	0	0	1
7555_7556	7555	7556	0	0	0	0	0	0	1
7556_7556	7556	7556	0	0	0	0	0	0	1
7556_7557	7556	7557	0	0	0	0	0	0	1
7557_7557	7557	7557	0	0	0	0	0	0	1
7557_7288	7557	7288	0	0	0	0	0	0	1.02
47000_7000	47000	7000	-0.081	12.71	5.729	-4.302	0	-5.053	1
47000_7001	47000	7001	0.081	-12.709	-5.729	4.302	-60.194	138.586	1
47001_7001	47001	7001	-0.081	12.709	5.729	-4.301	60.194	-138.586	1
47001_7002	47001	7002	0.081	-12.709	-5.729	4.301	-114.028	258.01	1
47002_7002	47002	7002	-0.114	7.384	-5.127	-2.875	114.028	-257.991	1
47002_7003	47002	7003	0.114	-7.384	5.127	2.875	-51.949	347.393	1
47003_7003	47003	7003	-0.119	7.384	-5.127	-3.196	51.949	-347.39	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
47003_7004	47003	7004	0.119	-7.384	5.127	3.196	10.171	436.856	1
47004_7004	47004	7004	-0.105	7.019	0.579	-2.111	-10.171	-436.832	1
47004_7005	47004	7005	0.105	-7.02	-0.579	2.111	3.165	521.802	1
47005_7005	47005	7005	-0.104	7.02	0.579	-3.022	-3.165	-521.797	1
47005_7006	47005	7006	0.104	-7.02	-0.579	3.022	-3.849	606.818	1
47006_7006	47006	7006	-0.105	4.694	0.139	-0.68	3.849	-606.84	1
47006_7007	47006	7007	0.105	-4.694	-0.139	0.68	-5.532	663.697	1
47007_7007	47007	7007	-0.105	4.694	0.139	-1.837	5.532	-663.694	1
47007_7008	47007	7008	0.105	-4.695	-0.139	1.837	-7.217	720.585	1
47008_7008	47008	7008	-0.105	1.918	-0.074	0.709	7.217	-720.6	1
47008_7009	47008	7009	0.105	-1.918	0.074	-0.709	-6.315	743.823	1
47009_7009	47009	7009	-0.106	1.918	-0.074	-0.586	6.315	-743.823	1
47009_7010	47009	7010	0.106	-1.918	0.074	0.586	-5.415	767.06	1
47010_7010	47010	7010	-0.104	-0.618	0.182	1.906	5.415	-767.03	1
47010_7011	47010	7011	0.104	0.618	-0.182	-1.906	-7.617	759.549	1
47011_7011	47011	7011	-0.103	-0.618	0.182	0.662	7.617	-759.551	1
47011_7012	47011	7012	0.103	0.617	-0.182	-0.662	-9.821	752.072	1
47012_7012	47012	7012	-0.106	-3.285	-0.479	2.81	9.821	-752.082	1
47012_7013	47012	7013	0.106	3.285	0.479	-2.81	-4.018	712.3	1
47013_7013	47013	7013	-0.106	-3.285	-0.479	1.572	4.018	-712.304	1
47013_7014	47013	7014	0.106	3.285	0.479	-1.572	1.785	672.498	1
47014_7014	47014	7014	-0.099	-1.096	1.221	2.64	-1.785	-672.49	1
47014_7015	47014	7015	0.099	1.096	-1.221	-2.64	-17.564	655.117	1
47015_7015	47015	7015	-0.088	-1.097	1.221	1.018	17.574	-655.174	1
47015_7016	47015	7016	0.089	1.097	-1.221	-1.018	-27.66	646.112	1
47016_7016	47016	7016	-0.538	-9.936	1.176	2.202	22.112	123.154	1
47016_7017	47016	7017	0.538	9.935	-1.176	-2.202	-35.935	-239.932	1.06
47017_7017	47017	7017	-0.293	-9.945	1.177	1.886	36.006	240.004	1.06
47017_7018	47017	7018	0.292	9.945	-1.177	-1.886	-51.626	-371.919	1.03
47018_7018	47018	7018	0.114	-11.685	-2.349	1.603	51.733	371.912	1.03
47018_7019	47018	7019	-0.114	11.685	2.349	-1.603	-22.273	-518.408	1.02
47019_7019	47019	7019	0.414	-11.678	-2.348	2.248	22.432	518.398	1.02
47019_7020	47019	7020	-0.415	11.678	2.348	-2.248	7.066	-665.115	1.02
47020_7020	47020	7020	-61.856	-0.323	4.356	0.117	-91.766	167.115	1.02
47020_7021	47020	7021	61.856	0.324	-4.356	-0.117	50.38	-170.191	1
47021_7021	47021	7021	-61.853	-0.324	4.393	-0.843	-50.38	155.247	1
47021_7022	47021	7022	61.853	0.323	-4.393	0.843	16.342	-157.756	1
47022_7022	47022	7022	-61.847	-0.323	4.472	-0.641	-16.342	157.757	1
47022_7023	47022	7023	61.847	0.323	-4.472	0.641	-18.307	-160.265	1
47023_7023	47023	7023	-61.827	-0.674	-0.486	-0.221	18.307	160.257	1
47023_7024	47023	7024	61.827	0.674	0.486	0.221	-14.421	-165.651	1
47024_7024	47024	7024	-61.828	-0.674	-0.417	-0.038	14.421	165.651	1
47024_7025	47024	7025	61.828	0.673	0.417	0.038	-11.089	-171.037	1
47025_7025	47025	7025	-61.828	-0.673	-0.417	-0.038	11.089	171.037	1
47025_7026	47025	7026	61.828	0.674	0.417	0.038	-7.757	-176.422	1
47026_7026	47026	7026	-61.828	-1.759	-0.382	-0.144	7.757	176.411	1
47026_7027	47026	7027	61.828	1.76	0.382	0.144	-5.464	-186.976	1
47027_7027	47027	7027	-61.828	-1.76	-0.393	-0.177	5.464	186.976	1
47027_7028	47027	7028	61.828	1.76	0.393	0.177	-3.109	-197.524	1
47028_7028	47028	7028	-61.829	-1.76	-0.28	0.186	3.109	197.525	1
47028_7029	47028	7029	61.829	1.76	0.28	-0.186	-1.433	-208.089	1
47029_7029	47029	7029	-61.829	-1.76	-0.28	0.186	1.433	208.089	1
47029_7030	47029	7030	61.829	1.76	0.28	-0.186	0.245	-218.652	1
47030_7030	47030	7030	-61.828	-2.841	0.055	0.004	-0.245	218.652	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
47030_7031	47030	7031	61.828	2.842	-0.055	-0.004	-0.195	-241.362	1
47031_7031	47031	7031	-61.828	-2.842	0.063	0.036	0.195	241.362	1
47031_7032	47031	7032	61.828	2.841	-0.063	-0.036	-0.701	-264.101	1
47032_7032	47032	7032	-61.828	-2.841	0.14	0.364	0.701	264.101	1
47032_7033	47032	7033	61.828	2.842	-0.14	-0.364	-1.819	-286.837	1
47033_7033	47033	7033	-61.851	-3.37	-2.576	0.59	1.819	286.839	1
47033_7034	47033	7034	61.851	3.369	2.576	-0.59	18.144	-312.95	1
47034_7034	47034	7034	-61.847	-3.369	-2.655	0.188	-18.144	312.95	1
47034_7035	47034	7035	61.847	3.369	2.655	-0.188	38.727	-339.065	1
47035_7035	47035	7035	-61.852	-3.369	-2.537	0.193	-38.727	354.791	1
47035_7036	47035	7036	61.852	3.37	2.537	-0.193	62.824	-386.793	1.01
47036_7036	47036	7036	-7.554	10.512	1.549	-1.522	-11.761	858.834	1.01
47036_7037	47036	7037	7.554	-10.512	-1.549	1.522	-7.706	-726.746	1.02
47037_7037	47037	7037	-7.826	10.311	1.556	-1.146	7.62	726.748	1.02
47037_7038	47037	7038	7.826	-10.311	-1.556	1.146	-27.125	-597.506	1.02
47038_7038	47038	7038	-8.221	7.86	-0.704	-3.264	27.16	597.533	1.02
47038_7039	47038	7039	8.22	-7.859	0.704	3.264	-17.818	-493.248	1.03
47039_7039	47039	7039	-19.585	85.275	0.237	16.219	15.804	11373.09	1.03
47039_7040	47039	7040	19.585	-85.275	-0.237	-16.219	-18.588	-10370.6	1.05
47040_7040	47040	7040	-21.106	75.421	-0.024	-14.667	19.127	10371	1.05
47040_7041	47040	7041	21.106	-75.422	0.024	14.667	-18.927	-9748.98	1.07
47041_7041	47041	7041	-21.769	75.233	0.017	3.592	18.798	9742.779	1.07
47041_7042	47041	7042	21.769	-75.233	-0.017	-3.592	-19.059	-8582.21	1
47042_7042	47042	7042	-21.771	70.734	-1.335	-8.157	19.059	8582.31	1
47042_7043	47042	7043	21.771	-70.734	1.335	8.157	-3.181	-7740.56	1
47043_7043	47043	7043	-21.773	70.734	-1.298	4.799	3.181	7740.567	1
47043_7044	47043	7044	21.773	-70.735	1.298	-4.799	12.262	-6898.95	1
47044_7044	47044	7044	-21.768	68.53	0.192	-2.698	-12.262	6898.97	1
47044_7045	47044	7045	21.768	-68.529	-0.192	2.698	9.978	-6082.97	1
47045_7045	47045	7045	-21.768	68.529	0.208	1.94	-9.978	6082.969	1
47045_7046	47045	7046	21.768	-68.53	-0.208	-1.94	7.499	-5267.71	1
47046_7046	47046	7046	-21.769	65.568	-0.027	-2.589	-7.499	5267.7	1
47046_7047	47046	7047	21.769	-65.568	0.027	2.589	7.821	-4487.14	1
47047_7047	47047	7047	-21.77	65.568	0.009	4.922	-7.821	4487.134	1
47047_7048	47047	7048	21.77	-65.568	-0.009	-4.922	7.709	-3706.68	1
47048_7048	47048	7048	-21.77	62.715	-0.006	1.142	-7.709	3706.675	1
47048_7049	47048	7049	21.77	-62.715	0.006	-1.142	7.773	-2960.24	1
47049_7049	47049	7049	-21.77	62.715	0.012	3.621	-7.773	2960.233	1
47049_7050	47049	7050	21.77	-62.715	-0.012	-3.621	7.621	-2213.85	1
47050_7050	47050	7050	-21.769	62.152	0.945	2.172	-7.621	2213.82	1
47050_7051	47050	7051	21.769	-62.152	-0.945	-2.172	-6.954	-1255.34	1.15
47051_7051	47051	7051	-22.289	61.966	0.981	4.313	6.991	1257.483	1.15
47051_7052	47051	7052	22.289	-61.967	-0.981	-4.313	-15.086	-746.458	1.06
47052_7052	47052	7052	-23.143	56.288	0.907	2.467	15.113	746.424	1.06
47052_7053	47052	7053	23.143	-56.289	-0.907	-2.467	-25.785	-84.41	1.03
47053_7053	47053	7053	-26.436	60.651	0.741	2.403	16.572	-352.167	1.03
47053_7054	47053	7054	26.437	-60.651	-0.741	-2.403	-26.401	1156.793	1.02
47054_7054	47054	7054	-27.852	58.891	-1.645	4.082	26.627	-1156.75	1.02
47054_7055	47054	7055	27.852	-58.891	1.645	-4.082	-6.018	1894.763	1.01
47055_7055	47055	7055	-29.376	58.146	-1.608	0.916	5.818	-1894.77	1.01
47055_7056	47055	7056	29.376	-58.146	1.608	-0.916	14.368	2625.027	1.01
47056_7056	47056	7056	150.708	19.368	5.831	0.573	-146.644	219.273	1.01
47056_7057	47056	7057	-150.708	-19.368	-5.831	-0.573	91.217	-35.15	1
47057_7057	47057	7057	150.714	19.368	5.657	0.308	-91.217	43.254	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
47057_7058	47057	7058	-150.714	-19.368	-5.657	-0.308	47.368	106.867	1
47058_7058	47058	7058	150.721	19.368	5.463	0.171	-47.368	-106.868	1
47058_7059	47058	7059	-150.721	-19.368	-5.463	-0.171	5.027	256.974	1
47059_7059	47059	7059	150.715	18.722	0.888	1.308	-5.027	-256.966	1
47059_7060	47059	7060	-150.715	-18.721	-0.888	-1.308	-2.075	406.572	1
47060_7060	47060	7060	150.716	18.721	0.687	0.765	2.075	-406.574	1
47060_7061	47060	7061	-150.716	-18.721	-0.687	-0.765	-7.574	556.353	1
47061_7061	47061	7061	150.717	18.721	0.5	0.07	7.574	-556.354	1
47061_7062	47061	7062	-150.717	-18.721	-0.5	-0.07	-11.568	706.12	1
47062_7062	47062	7062	150.718	17.763	1.096	1.765	11.568	-706.14	1
47062_7063	47062	7063	-150.718	-17.764	-1.096	-1.765	-18.151	812.806	1
47063_7063	47063	7063	150.719	17.764	0.846	0.415	18.151	-812.809	1
47063_7064	47063	7064	-150.719	-17.764	-0.846	-0.415	-23.23	919.463	1
47064_7064	47064	7064	150.719	17.764	0.864	0.52	23.23	-919.463	1
47064_7065	47064	7065	-150.719	-17.764	-0.864	-0.52	-28.404	1025.94	1
47065_7065	47065	7065	150.719	17.764	0.846	0.403	28.404	-1025.94	1
47065_7066	47065	7066	-150.719	-17.764	-0.846	-0.403	-33.483	1132.595	1
47066_7066	47066	7066	150.723	16.531	0.818	0.878	33.483	-1132.6	1
47066_7067	47066	7067	-150.723	-16.531	-0.818	-0.878	-40.024	1264.799	1
47067_7067	47067	7067	150.723	16.531	0.818	0.878	40.024	-1264.8	1
47067_7068	47067	7068	-150.723	-16.53	-0.818	-0.878	-46.565	1397.001	1
47068_7068	47068	7068	150.723	16.53	0.806	0.762	46.565	-1397	1
47068_7069	47068	7069	-150.723	-16.53	-0.806	-0.762	-53.014	1529.369	1
47069_7069	47069	7069	150.686	16.581	-2.99	2.584	53.014	-1529.39	1
47069_7070	47069	7070	-150.686	-16.581	2.99	-2.584	-29.856	1657.828	1
47070_7070	47070	7070	150.681	16.581	-3.183	0.448	29.856	-1657.83	1
47070_7071	47070	7071	-150.681	-16.581	3.183	-0.448	-5.195	1786.26	1
47071_7071	47071	7071	150.682	16.581	-3.199	0.033	5.195	-1797.63	1
47071_7072	47071	7072	-150.682	-16.581	3.199	-0.033	25.188	1955.132	1.01
47072_7072	47072	7072	-18.094	-17.003	1.863	1.306	12.229	-5085.81	1.01
47072_7073	47072	7073	18.094	17.002	-1.863	-1.306	-35.643	4872.127	1.01
47073_7073	47073	7073	-17.643	-17.468	1.877	-3.5	35.956	-4872.12	1.01
47073_7074	47073	7074	17.643	17.468	-1.877	3.5	-59.479	4653.108	1.01
47074_7074	47074	7074	-17.46	-22.232	-1.307	0.675	59.089	-4653.21	1.01
47074_7075	47074	7075	17.46	22.231	1.307	-0.675	-41.754	4358.419	1.03
47075_7075	47075	7075	-15.38	57.002	-1.486	9.559	45.159	7659.599	1.03
47075_7076	47075	7076	15.379	-57.003	1.486	-9.559	-27.687	-6989.64	1.03
47076_7076	47076	7076	-16.358	46.335	0.106	-6.744	27.972	6989.902	1.03
47076_7077	47076	7077	16.359	-46.335	-0.106	6.744	-28.85	-6607.47	1
47077_7077	47077	7077	-16.749	46.196	0.126	0.73	28.792	6613.467	1
47077_7078	47077	7078	16.749	-46.195	-0.126	-0.73	-30.552	-5967.57	1
47078_7078	47078	7078	-16.753	44.201	-0.634	-4.275	30.552	5967.58	1
47078_7079	47078	7079	16.753	-44.201	0.634	4.275	-23.447	-5472.68	1
47079_7079	47079	7079	-16.753	44.201	-0.621	0.344	23.447	5472.679	1
47079_7080	47079	7080	16.753	-44.201	0.621	-0.344	-16.508	-4978.24	1
47080_7080	47080	7080	-16.752	41.816	-0.148	-3.181	16.508	4978.283	1
47080_7081	47080	7081	16.752	-41.816	0.148	3.181	-14.855	-4510.57	1
47081_7081	47081	7081	-16.752	41.816	-0.132	1.053	14.855	4510.57	1
47081_7082	47081	7082	16.752	-41.816	0.132	-1.053	-13.375	-4042.46	1
47082_7082	47082	7082	-16.753	38.77	-0.116	-1.457	13.375	4042.5	1
47082_7083	47082	7083	16.753	-38.771	0.116	1.457	-11.982	-3576.29	1
47083_7083	47083	7083	-16.752	38.771	-0.102	1.513	11.982	3576.285	1
47083_7084	47083	7084	16.752	-38.771	0.102	-1.513	-10.755	-3110.09	1
47084_7084	47084	7084	-16.754	35.762	-0.211	-0.002	10.755	3110.111	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
47084_7085	47084	7085	16.754	-35.762	0.211	0.002	-8.397	-2709.84	1
47085_7085	47085	7085	-16.754	35.762	-0.196	2.303	8.397	2709.841	1
47085_7086	47085	7086	16.754	-35.762	0.196	-2.303	-6.202	-2309.95	1
47086_7086	47086	7086	-16.754	32.884	-0.246	0.326	6.202	2309.917	1
47086_7087	47086	7087	16.754	-32.884	0.246	-0.326	-3.448	-1941.89	1
47087_7087	47087	7087	-16.755	32.884	-0.216	3.793	3.448	1941.887	1
47087_7088	47087	7088	16.755	-32.884	0.216	-3.793	-1.028	-1573.89	1
47088_7088	47088	7088	-16.752	32.456	0.537	1.637	1.028	1573.899	1
47088_7089	47088	7089	16.752	-32.456	-0.537	-1.637	-8.258	-1137.29	1.08
47089_7089	47089	7089	-17.031	32.31	0.569	3.606	8.29	1134.099	1.08
47089_7090	47089	7090	17.031	-32.31	-0.569	-3.606	-12.984	-867.626	1.08
47090_7090	47090	7090	-17.412	26.139	0.813	1.586	12.995	867.578	1.08
47090_7091	47090	7091	17.412	-26.139	-0.813	-1.586	-22.554	-560.351	1.02
47091_7091	47091	7091	-20.247	29.929	0.601	2.26	16.681	213.162	1.02
47091_7092	47091	7092	20.248	-29.93	-0.601	-2.26	-24.652	183.91	1.02
47092_7092	47092	7092	-20.838	27.728	-1.922	2.276	24.748	-183.939	1.02
47092_7093	47092	7093	20.838	-27.727	1.922	-2.276	-0.655	531.488	1.02
47093_7093	47093	7093	-21.557	27.174	-1.893	1.412	0.627	-531.491	1.02
47093_7094	47093	7094	21.557	-27.174	1.893	-1.412	23.144	872.876	1
47094_7094	47094	7094	49.516	12.12	4.035	-0.308	-97.421	441.182	1
47094_7095	47094	7095	-49.516	-12.12	-4.035	0.308	59.057	-325.962	1
47095_7095	47095	7095	49.52	12.12	3.991	-0.172	-59.057	327.946	1
47095_7096	47095	7096	-49.52	-12.121	-3.991	0.172	28.149	-234.075	1
47096_7096	47096	7096	49.525	12.121	3.925	0.14	-28.149	234.075	1
47096_7097	47096	7097	-49.525	-12.12	-3.925	-0.14	-2.286	-140.087	1
47097_7097	47097	7097	49.528	11.611	0.001	0.047	2.286	140.087	1
47097_7098	47097	7098	-49.528	-11.611	-0.001	-0.047	-2.292	-47.265	1
47098_7098	47098	7098	49.529	11.611	-0.063	0.108	2.292	47.264	1
47098_7099	47098	7099	-49.529	-11.611	0.063	-0.108	-1.786	45.669	1
47099_7099	47099	7099	49.529	11.611	-0.125	0.051	1.786	-45.669	1
47099_7100	47099	7100	-49.529	-11.611	0.125	-0.051	-0.785	138.599	1
47100_7100	47100	7100	49.529	10.616	0.222	0.07	0.785	-138.588	1
47100_7101	47100	7101	-49.529	-10.616	-0.222	-0.07	-2.113	202.208	1
47101_7101	47101	7101	49.53	10.616	0.136	-0.278	2.113	-202.209	1
47101_7102	47101	7102	-49.53	-10.615	-0.136	0.278	-2.933	265.931	1
47102_7102	47102	7102	49.529	10.615	0.301	0.608	2.933	-265.931	1
47102_7103	47102	7103	-49.529	-10.616	-0.301	-0.608	-4.743	329.661	1
47103_7103	47103	7103	49.529	10.616	0.222	0.077	4.743	-329.662	1
47103_7104	47103	7104	-49.529	-10.615	-0.222	-0.077	-6.071	393.282	1
47104_7104	47104	7104	49.529	9.441	0.708	0.56	6.071	-393.294	1
47104_7105	47104	7105	-49.529	-9.441	-0.708	-0.56	-11.738	468.86	1
47105_7105	47105	7105	49.53	9.441	0.646	-0.026	11.738	-468.86	1
47105_7106	47105	7106	-49.53	-9.441	-0.646	0.026	-16.911	544.422	1
47106_7106	47106	7106	49.53	9.441	0.648	-0.006	16.911	-544.422	1
47106_7107	47106	7107	-49.53	-9.441	-0.648	0.006	-22.091	619.89	1
47107_7107	47107	7107	49.512	9.207	-3.22	0.68	22.091	-619.893	1
47107_7108	47107	7108	-49.512	-9.207	3.22	-0.68	2.871	691.283	1
47108_7108	47108	7108	49.512	9.207	-3.22	0.68	-2.871	-691.283	1
47108_7109	47108	7109	-49.512	-9.208	3.22	-0.68	27.833	762.671	1
47109_7109	47109	7109	49.51	9.208	-3.269	-0.25	-27.833	-765.312	1
47109_7110	47109	7110	-49.51	-9.207	3.269	0.25	58.863	852.725	1.01
47110_7110	47110	7110	-17.033	-2.41	1.739	0.536	-6.417	-2358.81	1.01
47110_7111	47110	7111	17.034	2.411	-1.739	-0.536	-15.444	2328.518	1.01
47111_7111	47111	7111	-16.962	-2.853	1.767	-3.58	15.733	-2328.51	1.01

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
47111_7112	47111	7112	16.962	2.853	-1.767	3.58	-37.878	2292.727	1.01
47112_7112	47112	7112	-17.102	-7.121	-0.691	-1.793	37.639	-2292.76	1.01
47112_7113	47112	7113	17.101	7.122	0.691	1.793	-28.478	2198.33	1.03
47113_7113	47113	7113	-12.094	72.884	-0.711	7.742	18.731	9887.735	1.03
47113_7114	47113	7114	12.094	-72.884	0.711	-7.742	-10.368	-9030.87	1.03
47114_7114	47114	7114	-13.363	63.678	-0.05	-5.505	10.606	9031.175	1.03
47114_7115	47114	7115	13.363	-63.678	0.05	5.505	-10.197	-8505.7	1.11
47115_7115	47115	7115	-13.913	63.56	-0.042	-0.807	10.148	8506.304	1.11
47115_7116	47115	7116	13.913	-63.56	0.042	0.807	-9.563	-7618.2	1
47116_7116	47116	7116	-13.914	60.107	-0.465	-5.049	9.563	7618.207	1
47116_7117	47116	7117	13.914	-60.107	0.465	5.049	-4.364	-6945.49	1
47117_7117	47117	7117	-13.914	60.107	-0.452	1.045	4.364	6945.493	1
47117_7118	47117	7118	13.914	-60.107	0.452	-1.045	0.693	-6273.39	1
47118_7118	47118	7118	-13.915	57.571	0.119	-1.066	-0.693	6273.327	1
47118_7119	47118	7119	13.915	-57.571	-0.119	1.066	-0.636	-5629.02	1
47119_7119	47119	7119	-13.915	57.571	0.119	-1.066	0.636	5629.022	1
47119_7120	47119	7120	13.915	-57.572	-0.119	1.066	-1.966	-4984.72	1
47120_7120	47120	7120	-13.914	54.434	-0.049	-3.409	1.966	4984.795	1
47120_7121	47120	7121	13.914	-54.434	0.049	3.409	-1.379	-4330.43	1
47121_7121	47121	7121	-13.915	54.434	-0.026	3.795	1.379	4330.433	1
47121_7122	47121	7122	13.915	-54.434	0.026	-3.795	-1.07	-3676.09	1
47122_7122	47122	7122	-13.915	51.068	-0.01	0.035	1.07	3676.085	1
47122_7123	47122	7123	13.915	-51.068	0.01	-0.035	-0.967	-3104.59	1
47123_7123	47123	7123	-13.914	51.068	0.003	2.809	0.967	3104.59	1
47123_7124	47123	7124	13.914	-51.069	-0.003	-2.809	-1.003	-2533.1	1
47124_7124	47124	7124	-13.914	47.607	0.025	0.641	1.003	2533.101	1
47124_7125	47124	7125	13.914	-47.607	-0.025	-0.641	-1.29	-2000.35	1
47125_7125	47125	7125	-13.914	47.607	0.05	4.215	1.29	2000.348	1
47125_7126	47125	7126	13.914	-47.607	-0.05	-4.215	-1.856	-1467.61	1
47126_7126	47126	7126	-13.911	46.258	0.846	2.549	1.856	1467.651	1
47126_7127	47126	7127	13.911	-46.258	-0.846	-2.549	-13.286	-842.23	1
47127_7127	47127	7127	-14.3	46.139	0.864	3.336	13.315	838.597	1
47127_7128	47127	7128	14.3	-46.139	-0.864	-3.336	-20.444	-457.936	1
47128_7128	47128	7128	-14.874	39.077	1.413	3.597	20.509	457.887	1
47128_7129	47128	7129	14.873	-39.078	-1.413	-3.597	-37.114	1.417	1.07
47129_7129	47129	7129	-19.88	44.214	2.34	1.655	45.383	-491.31	1.07
47129_7130	47129	7130	19.879	-44.213	-2.34	-1.655	-76.421	1077.877	1.04
47130_7130	47130	7130	-20.814	41.969	-5.601	2.904	76.676	-1077.92	1.04
47130_7131	47130	7131	20.814	-41.969	5.601	-2.904	-6.472	1604.023	1.03
47131_7131	47131	7131	-22.201	41.254	-5.588	1.591	6.445	-1604.03	1.03
47131_7132	47131	7132	22.201	-41.254	5.588	-1.591	59.212	2088.716	1.03
47132_7132	47132	7132	105.087	10.052	7.445	1.05	-156.178	171.923	1.03
47132_7133	47132	7133	-105.087	-10.052	-7.445	-1.05	79.34	-68.186	1
47133_7133	47133	7133	105.077	10.052	7.582	-0.674	-79.34	90.844	1
47133_7134	47133	7134	-105.077	-10.052	-7.582	0.674	20.585	-12.94	1
47134_7134	47134	7134	105.057	10.052	7.852	-0.706	-20.585	12.939	1
47134_7135	47134	7135	-105.057	-10.052	-7.852	0.706	-40.346	65.066	1
47135_7135	47135	7135	105.073	10.998	-1.341	0.379	40.346	-65.058	1
47135_7136	47135	7136	-105.073	-10.998	1.341	-0.379	-29.63	152.939	1
47136_7136	47136	7136	105.071	10.998	-1.474	0.186	29.63	-152.938	1
47136_7137	47136	7137	-105.071	-10.999	1.474	-0.186	-17.843	240.929	1
47137_7137	47137	7137	105.071	10.999	-1.474	0.186	17.843	-240.929	1
47137_7138	47137	7138	-105.071	-10.999	1.474	-0.186	-6.057	328.919	1
47138_7138	47138	7138	105.063	9.992	0.233	0.776	6.057	-328.932	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
47138_7139	47138	7139	-105.063	-9.991	-0.233	-0.776	-7.453	388.882	1
47139_7139	47139	7139	105.063	9.991	0.058	0.128	7.453	-388.883	1
47139_7140	47139	7140	-105.063	-9.991	-0.058	-0.128	-7.797	448.832	1
47140_7140	47140	7140	105.063	9.991	0.058	0.128	7.797	-448.832	1
47140_7141	47140	7141	-105.063	-9.992	-0.058	-0.128	-8.143	508.783	1
47141_7141	47141	7141	105.063	9.992	0.058	0.128	8.143	-508.783	1
47141_7142	47141	7142	-105.063	-9.991	-0.058	-0.128	-8.488	568.732	1
47142_7142	47142	7142	105.058	8.748	0.557	1.018	8.488	-568.746	1
47142_7143	47142	7143	-105.058	-8.748	-0.557	-1.018	-12.943	638.727	1
47143_7143	47143	7143	105.059	8.748	0.425	0.22	12.943	-638.728	1
47143_7144	47143	7144	-105.059	-8.747	-0.425	-0.22	-16.348	708.709	1
47144_7144	47144	7144	105.059	8.747	0.425	0.22	16.348	-708.709	1
47144_7145	47144	7145	-105.059	-8.748	-0.425	-0.22	-19.752	778.691	1
47145_7145	47145	7145	105.085	8.823	-3.149	0.596	19.752	-778.697	1
47145_7146	47145	7146	-105.085	-8.823	3.149	-0.596	4.654	847.078	1
47146_7146	47146	7146	105.089	8.823	-3.014	1.69	-4.654	-847.076	1
47146_7147	47146	7147	-105.089	-8.823	3.014	-1.69	28.009	915.458	1
47147_7147	47147	7147	105.085	8.823	-3.138	0.01	-28.009	-935.273	1
47147_7148	47147	7148	-105.085	-8.823	3.138	-0.01	57.824	1019.095	1
47148_7148	47148	7148	-16.852	-12.871	1.662	0.346	-10.133	-3570.6	1
47148_7149	47148	7149	16.852	12.871	-1.662	-0.346	-10.746	3408.88	1
47149_7149	47149	7149	-16.509	-13.307	1.674	-2.654	10.955	-3408.88	1
47149_7150	47149	7150	16.509	13.307	-1.674	2.654	-31.941	3242.069	1
47150_7150	47150	7150	-16.396	-18.649	-1.041	-0.917	31.738	-3242.12	1
47150_7151	47150	7151	16.397	18.649	1.041	0.917	-17.92	2994.706	1
47151_7151	47151	7151	-5.338	72.827	0.375	2.522	29.01	8806.837	1
47151_7152	47151	7152	5.338	-72.827	-0.375	-2.522	-33.412	-7950.85	1
47152_7152	47152	7152	-6.588	61.658	-1.754	2.706	33.442	7950.784	1
47152_7153	47152	7153	6.588	-61.658	1.754	-2.706	-18.972	-7442.08	1
47153_7153	47153	7153	-7.104	61.6	-1.761	-4.466	18.995	7441.256	1
47153_7154	47153	7154	7.104	-61.601	1.761	4.466	5.214	-6594.23	1
47154_7154	47154	7154	-7.113	57.555	0.221	-1.39	-5.214	6594.237	1
47154_7155	47154	7155	7.113	-57.555	-0.221	1.39	2.792	-5961.12	1
47155_7155	47155	7155	-7.113	57.555	0.221	-1.39	-2.792	5961.121	1
47155_7156	47155	7156	7.113	-57.556	-0.221	1.39	0.369	-5328.01	1
47156_7156	47156	7156	-7.111	55.828	-0.272	1.86	-0.369	5328.008	1
47156_7157	47156	7157	7.111	-55.828	0.272	-1.86	3.082	-4769.72	1
47157_7157	47157	7157	-7.111	55.828	-0.278	-2.909	-3.082	4769.717	1
47157_7158	47157	7158	7.111	-55.829	0.278	2.909	5.865	-4211.42	1
47158_7158	47158	7158	-7.114	53.228	0.068	2.271	-5.865	4211.379	1
47158_7159	47158	7159	7.114	-53.228	-0.068	-2.271	5.188	-3678.55	1
47159_7159	47159	7159	-7.114	53.228	0.061	-1.426	-5.188	3678.552	1
47159_7160	47159	7160	7.114	-53.229	-0.061	1.426	4.582	-3146.26	1
47160_7160	47160	7160	-7.115	50.378	0.281	2.595	-4.582	3146.252	1
47160_7161	47160	7161	7.115	-50.378	-0.281	-2.595	1.495	-2592.09	1
47161_7161	47161	7161	-7.115	50.378	0.274	0.239	-1.495	2592.092	1
47161_7162	47161	7162	7.115	-50.377	-0.274	-0.239	-1.519	-2037.93	1
47162_7162	47162	7162	-7.117	49.3	0.622	1.452	1.519	2037.939	1
47162_7163	47162	7163	7.117	-49.301	-0.622	-1.452	-10.07	-1360.05	1
47163_7163	47163	7163	-7.525	49.239	0.629	2.724	10.093	1360.464	1
47163_7164	47163	7164	7.525	-49.24	-0.629	-2.724	-15.281	-954.218	1
47164_7164	47164	7164	-8.138	42.158	1.086	1.645	15.302	954.265	1
47164_7165	47164	7165	8.138	-42.159	-1.086	-1.645	-28.063	-458.754	1
47165_7165	47165	7165	-14.3	48.865	0.878	1.774	25.504	-120.958	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
47165_7166	47165	7166	14.3	-48.865	-0.878	-1.774	-37.144	768.728	1
47166_7166	47166	7166	-15.3	46.03	-1.886	2.503	37.3	-768.756	1
47166_7167	47166	7167	15.3	-46.03	1.886	-2.503	-13.651	1345.723	1
47167_7167	47167	7167	-16.497	45.615	-1.877	1.075	13.603	-1345.73	1
47167_7168	47167	7168	16.496	-45.615	1.877	-1.075	9.979	1918.794	1
47168_7168	47168	7168	111.82	13.208	5.165	-0.145	-109.078	414.93	1
47168_7169	47168	7169	-111.82	-13.208	-5.165	0.145	60.008	-289.452	1
47169_7169	47169	7169	111.826	13.208	5.036	-0.923	-60.008	314.156	1
47169_7170	47169	7170	-111.826	-13.208	-5.036	0.923	20.978	-211.793	1
47170_7170	47170	7170	111.826	13.208	5.036	-0.923	-20.978	211.793	1
47170_7171	47170	7171	-111.826	-13.208	-5.036	0.923	-18.053	-109.431	1
47171_7171	47171	7171	111.862	12.811	-0.254	-0.116	18.053	109.427	1
47171_7172	47171	7172	-111.862	-12.812	0.254	0.116	-16.022	-6.936	1
47172_7172	47172	7172	111.862	12.812	-0.114	-0.124	16.022	6.936	1
47172_7173	47172	7173	-111.862	-12.811	0.114	0.124	-15.11	95.554	1
47173_7173	47173	7173	111.862	12.811	-0.254	-0.244	15.11	-95.555	1
47173_7174	47173	7174	-111.862	-12.811	0.254	0.244	-13.079	198.045	1
47174_7174	47174	7174	111.859	12.026	0.091	-0.043	13.079	-198.057	1
47174_7175	47174	7175	-111.859	-12.026	-0.091	0.043	-13.623	270.212	1
47175_7175	47175	7175	111.859	12.026	0.277	0.408	13.623	-270.212	1
47175_7176	47175	7176	-111.859	-12.025	-0.277	-0.408	-15.284	342.369	1
47176_7176	47176	7176	111.859	12.025	0.091	-0.163	15.284	-342.369	1
47176_7177	47176	7177	-111.859	-12.026	-0.091	0.163	-15.828	414.524	1
47177_7177	47177	7177	111.859	12.026	0.091	-0.163	15.828	-414.524	1
47177_7178	47177	7178	-111.859	-12.025	-0.091	0.163	-16.371	486.68	1
47178_7178	47178	7178	111.856	11.041	0.496	0.021	16.371	-486.693	1
47178_7179	47178	7179	-111.856	-11.041	-0.496	-0.021	-20.335	575.019	1
47179_7179	47179	7179	111.855	11.041	0.636	0.74	20.335	-575.018	1
47179_7180	47179	7180	-111.855	-11.041	-0.636	-0.74	-25.418	663.345	1
47180_7180	47180	7180	111.856	11.041	0.496	-0.089	25.418	-663.346	1
47180_7181	47180	7181	-111.856	-11.041	-0.496	0.089	-29.382	751.671	1
47181_7181	47181	7181	111.894	11.262	-4.953	0.694	29.382	-751.674	1
47181_7182	47181	7182	-111.894	-11.261	4.953	-0.694	9.011	838.949	1
47182_7182	47182	7182	111.894	11.261	-4.953	0.694	-9.011	-838.949	1
47182_7183	47182	7183	-111.894	-11.261	4.953	-0.694	47.404	926.226	1
47183_7183	47183	7183	111.899	11.261	-4.824	0.907	-47.404	-946.079	1
47183_7184	47183	7184	-111.899	-11.261	4.824	-0.907	93.24	1053.062	1.02
47184_7184	47184	7184	-14.787	-16.765	2.005	-2.704	-0.515	-3687.48	1.02
47184_7185	47184	7185	14.787	16.765	-2.005	2.704	-24.667	3476.877	1.03
47185_7185	47185	7185	-14.347	-17.144	1.994	-0.571	24.385	-3476.88	1.03
47185_7186	47185	7186	14.348	17.144	-1.994	0.571	-49.38	3262.001	1.04
47186_7186	47186	7186	-14.127	-21.98	-0.571	-1.333	49.328	-3261.99	1.04
47186_7187	47186	7187	14.127	21.98	0.571	1.333	-41.741	2970.411	1.08
47187_7187	47187	7187	-6.771	73.472	-1.689	-4.822	25.638	8973.081	1.08
47187_7188	47187	7188	6.771	-73.472	1.689	4.822	-5.787	-8109.52	1.08
47188_7188	47188	7188	-8.025	61.058	-0.355	1.696	5.657	8109.51	1.08
47188_7189	47188	7189	8.025	-61.059	0.355	-1.696	-2.724	-7605.75	1
47189_7189	47189	7189	-8.525	60.99	-0.363	-5.639	2.738	7604.283	1
47189_7190	47189	7190	8.525	-60.991	0.363	5.639	2.261	-6765.65	1
47190_7190	47190	7190	-8.526	58.841	-0.197	-2.049	-2.261	6765.653	1
47190_7191	47190	7191	8.526	-58.841	0.197	2.049	4.421	-6118.4	1
47191_7191	47191	7191	-8.526	58.841	-0.197	-2.049	-4.421	6118.395	1
47191_7192	47191	7192	8.526	-58.84	0.197	2.049	6.58	-5471.14	1
47192_7192	47192	7192	-8.524	56.835	-0.624	-0.735	-6.58	5471.133	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
47192_7193	47192	7193	8.524	-56.836	0.624	0.735	12.813	-4903.91	1
47193_7193	47193	7193	-8.524	56.836	-0.624	-0.71	-12.813	4903.905	1
47193_7194	47193	7194	8.524	-56.836	0.624	0.71	19.053	-4336.11	1
47194_7194	47194	7194	-8.528	54.67	-0.143	-1.309	-19.053	4336.141	1
47194_7195	47194	7195	8.528	-54.671	0.143	1.309	20.473	-3789.98	1
47195_7195	47195	7195	-8.528	54.671	-0.134	2.484	-20.473	3789.977	1
47195_7196	47195	7196	8.528	-54.67	0.134	-2.484	21.808	-3243.82	1
47196_7196	47196	7196	-8.536	52.124	0.553	1.873	-21.808	3243.831	1
47196_7197	47196	7197	8.536	-52.125	-0.553	-1.873	15.726	-2670.45	1
47197_7197	47197	7197	-8.536	52.125	0.553	1.873	-15.726	2670.45	1
47197_7198	47197	7198	8.536	-52.125	-0.553	-1.873	9.644	-2097.07	1
47198_7198	47198	7198	-8.533	51.9	0.353	2.116	-9.644	2097.083	1
47198_7199	47198	7199	8.533	-51.901	-0.353	-2.116	4.802	-1383.96	1.03
47199_7199	47199	7199	-8.953	51.829	0.361	3.583	-4.772	1385.852	1.03
47199_7200	47199	7200	8.953	-51.83	-0.361	-3.583	1.796	-958.24	1.03
47200_7200	47200	7200	-9.607	45.228	0.971	2.527	-1.766	958.235	1.03
47200_7201	47200	7201	9.607	-45.229	-0.971	-2.527	-9.64	-426.65	1.03
47201_7201	47201	7201	-12.51	52.762	0.586	2.788	5.182	-275.356	1.03
47201_7202	47201	7202	12.51	-52.762	-0.586	-2.788	-12.945	975.284	1.02
47202_7202	47202	7202	-13.635	50.73	-2.093	2.137	12.985	-975.275	1.02
47202_7203	47202	7203	13.634	-50.73	2.093	-2.137	13.254	1611.085	1.01
47203_7203	47203	7203	-14.924	50.366	-2.102	3.758	-13.069	-1611.08	1.01
47203_7204	47203	7204	14.924	-50.365	2.102	-3.758	39.465	2243.712	1.01
47204_7204	47204	7204	150.928	12.827	5.205	0.83	-157.711	555.229	1.01
47204_7205	47204	7205	-150.928	-12.827	-5.205	-0.83	108.261	-433.371	1
47205_7205	47205	7205	150.921	12.827	5.385	-1.255	-108.261	477.39	1
47205_7206	47205	7206	-150.921	-12.827	-5.385	1.255	66.529	-377.98	1
47206_7206	47206	7206	150.928	12.827	5.19	-0.767	-66.529	377.981	1
47206_7207	47206	7207	-150.928	-12.826	-5.19	0.767	26.307	-278.571	1
47207_7207	47207	7207	150.973	12.273	1.038	0.552	-26.307	278.587	1
47207_7208	47207	7208	-150.973	-12.273	-1.038	-0.552	18.002	-180.402	1
47208_7208	47208	7208	150.973	12.273	1.038	0.552	-18.002	180.402	1
47208_7209	47208	7209	-150.973	-12.273	-1.038	-0.552	9.696	-82.217	1
47209_7209	47209	7209	150.971	12.273	1.227	0.45	-9.696	82.217	1
47209_7210	47209	7210	-150.971	-12.273	-1.227	-0.45	-0.119	15.968	1
47210_7210	47210	7210	150.974	11.476	0.977	0.838	0.119	-15.963	1
47210_7211	47210	7211	-150.974	-11.475	-0.977	-0.838	-5.982	84.815	1
47211_7211	47211	7211	150.974	11.475	0.977	0.838	5.982	-84.815	1
47211_7212	47211	7212	-150.974	-11.475	-0.977	-0.838	-11.845	153.667	1
47212_7212	47212	7212	150.972	11.475	1.229	1.094	11.845	-153.666	1
47212_7213	47212	7213	-150.972	-11.476	-1.229	-1.094	-19.219	222.518	1
47213_7213	47213	7213	150.974	11.476	0.977	0.723	19.219	-222.52	1
47213_7214	47213	7214	-150.974	-11.475	-0.977	-0.723	-25.082	291.372	1
47214_7214	47214	7214	150.984	10.371	0.061	1.109	25.082	-291.367	1
47214_7215	47214	7215	-150.984	-10.371	-0.061	-1.109	-25.567	374.339	1
47215_7215	47215	7215	150.984	10.371	0.061	1.109	25.567	-374.339	1
47215_7216	47215	7216	-150.984	-10.371	-0.061	-1.109	-26.052	457.31	1
47216_7216	47216	7216	150.984	10.371	0.249	1.681	26.052	-457.307	1
47216_7217	47216	7217	-150.984	-10.372	-0.249	-1.681	-28.047	540.28	1
47217_7217	47217	7217	151.003	10.136	-1.626	4.666	28.047	-540.242	1
47217_7218	47217	7218	-151.003	-10.136	1.626	-4.666	-15.446	618.798	1
47218_7218	47218	7218	151.003	10.136	-1.626	4.666	15.446	-618.798	1
47218_7219	47218	7219	-151.003	-10.136	1.626	-4.666	-2.846	697.354	1
47219_7219	47219	7219	150.981	10.136	-3.041	-2.594	2.846	-733.319	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
47219_7220	47219	7220	-150.981	-10.136	3.041	2.594	26.042	829.613	1
47220_7220	47220	7220	-17.397	-20.94	1.145	5.7	-2.97	-3962.21	1
47220_7221	47220	7221	17.397	20.939	-1.145	-5.7	-11.408	3699.394	1
47221_7221	47221	7221	-16.854	-21.377	1.194	-6.352	12.396	-3699.39	1
47221_7222	47221	7222	16.854	21.376	-1.194	6.352	-27.366	3431.448	1.01
47222_7222	47222	7222	-16.47	-25.24	2.542	-2.395	26.983	-3431.71	1.01
47222_7223	47222	7223	16.47	25.24	-2.542	2.395	-60.71	3096.81	1.01
47223_7223	47223	7223	-25.067	67.626	-0.612	23.834	53.557	9156.166	1.01
47223_7224	47223	7224	25.067	-67.626	0.612	-23.834	-46.368	-8361.77	1.03
47224_7224	47224	7224	-26.161	57.051	0.044	-17.949	47.053	8363.216	1.03
47224_7225	47224	7225	26.161	-57.051	-0.044	17.949	-47.413	-7892.33	1
47225_7225	47225	7225	-26.615	56.841	0.141	10.555	47.267	7892.157	1
47225_7226	47225	7226	26.615	-56.841	-0.141	-10.555	-49.376	-7041.37	1
47226_7226	47226	7226	-26.625	55.483	-0.796	-11.157	49.376	7041.793	1
47226_7227	47226	7227	26.625	-55.483	0.796	11.157	-40.132	-6397.21	1
47227_7227	47227	7227	-26.628	55.483	-0.703	11.07	40.132	6397.214	1
47227_7228	47227	7228	26.628	-55.484	0.703	-11.07	-31.97	-5753.11	1
47228_7228	47228	7228	-26.626	53.553	-1.99	-10.277	31.97	5752.957	1
47228_7229	47228	7229	26.626	-53.553	1.99	10.277	-8.858	-5131.19	1
47229_7229	47229	7229	-26.634	53.553	-1.876	11.796	8.858	5131.186	1
47229_7230	47229	7230	26.634	-53.553	1.876	-11.796	12.928	-4509.3	1
47230_7230	47230	7230	-26.751	49.451	5.145	-7.124	-12.928	4508.723	1
47230_7231	47230	7231	26.751	-49.452	-5.145	7.124	-49.395	-3909.63	1
47231_7231	47231	7231	-26.73	49.452	5.254	8.816	49.395	3909.622	1
47231_7232	47231	7232	26.73	-49.451	-5.254	-8.816	-113.104	-3309.9	1
47232_7232	47232	7232	-26.584	54.643	-5.604	-5.571	113.104	3309.588	1
47232_7233	47232	7233	26.584	-54.644	5.604	5.571	-95.928	-3142.12	1.03
47233_7233	47233	7233	-26.912	54.486	-5.562	-1.163	95.923	3142.133	1.03
47233_7234	47233	7234	26.912	-54.486	5.562	1.163	-62.773	-2817.4	1.03
47234_7234	47234	7234	-27.511	54.19	-5.526	2.084	62.822	2817.401	1.03
47234_7235	47234	7235	27.511	-54.19	5.526	-2.084	-16.491	-2362.99	1.03
47235_7235	47235	7235	-28.099	53.892	-5.482	5.754	16.618	2362.981	1.03
47235_7236	47235	7236	28.098	-53.892	5.482	-5.754	14.42	-2057.82	1.03
47236_7236	47236	7236	-33.343	39.493	6.955	0.544	-14.563	2067.378	1.03
47236_7237	47236	7237	33.343	-39.493	-6.955	-0.544	-60.081	-1643.52	1.01
47237_7237	47237	7237	-24.677	56.917	8.044	0.932	-43.124	-820.425	1.01
47237_7238	47237	7238	24.678	-56.918	-8.044	-0.932	-33.372	1361.71	1.01
47238_7238	47238	7238	-25.339	59.091	-7.309	5.383	33.796	-1361.36	1.01
47238_7239	47238	7239	25.339	-59.091	7.309	-5.383	35.011	1917.633	1.01
47239_7239	47239	7239	-25.433	59.059	-7.254	0.216	-35.436	-1917.63	1.01
47239_7240	47239	7240	25.432	-59.059	7.254	-0.216	111.254	2534.952	1
47240_7240	47240	7240	165.942	20.673	8.223	-2.311	-190.814	654.076	1
47240_7241	47240	7241	-165.942	-20.673	-8.223	2.311	127.238	-494.255	1
47241_7241	47241	7241	165.969	20.673	7.656	-1.19	-127.238	506.651	1
47241_7242	47241	7242	-165.969	-20.673	-7.656	1.19	61.743	-329.786	1
47242_7242	47242	7242	165.984	20.673	7.31	-0.505	-61.743	329.788	1
47242_7243	47242	7243	-165.984	-20.673	-7.31	0.505	1.752	-160.153	1
47243_7243	47243	7243	166.221	14.213	2.252	0.098	-1.752	160.144	1
47243_7244	47243	7244	-166.221	-14.213	-2.252	-0.098	-21.074	-16.116	1
47244_7244	47244	7244	166.226	14.213	1.858	0.136	21.074	16.115	1
47244_7245	47244	7245	-166.226	-14.213	-1.858	-0.136	-38.713	118.813	1
47245_7245	47245	7245	166.279	13.46	0.065	0.776	38.713	-118.768	1
47245_7246	47245	7246	-166.279	-13.46	-0.065	-0.776	-39.389	257.943	1
47246_7246	47246	7246	166.278	13.46	-0.357	0.122	39.389	-257.945	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
47246_7247	47246	7247	-166.278	-13.46	0.357	-0.122	-36.077	382.825	1
47247_7247	47247	7247	166.238	12.013	0.365	1.597	36.077	-382.748	1
47247_7248	47247	7248	-166.238	-12.013	-0.365	-1.597	-39.507	495.552	1
47248_7248	47248	7248	166.238	12.013	-0.311	-0.419	39.507	-495.555	1
47248_7249	47248	7249	-166.238	-12.012	0.311	0.419	-36.322	618.54	1
47249_7249	47249	7249	166.266	11.317	-1.748	1.765	36.322	-618.422	1
47249_7250	47249	7250	-166.266	-11.317	1.748	-1.765	-18.86	731.468	1
47250_7250	47250	7250	166.261	11.317	-2.192	-0.189	18.86	-731.471	1
47250_7251	47250	7251	-166.261	-11.317	2.192	0.189	2.252	840.452	1
47251_7251	47251	7251	166.108	8.454	3.627	6.871	-2.252	-840.25	1
47251_7252	47251	7252	-166.108	-8.454	-3.627	-6.871	-25.865	905.777	1
47252_7252	47252	7252	166.121	8.454	2.923	3.057	25.865	-907.381	1
47252_7253	47252	7253	-166.121	-8.454	-2.923	-3.057	-53.618	987.647	1.01
47253_7253	47253	7253	-16.601	-18.914	6.922	-9.936	9.68	-4307.96	1.01
47253_7254	47253	7254	16.601	18.914	-6.922	9.936	-60.14	4170.089	1.01
47254_7254	47254	7254	-16.421	-23.518	-2.647	4.788	58.658	-4169.55	1.01
47254_7255	47254	7255	16.421	23.518	2.647	-4.788	-27.9	3896.244	1.02
47255_7255	47255	7255	-15.943	-23.849	-2.613	-5.001	28.55	-3896.24	1.02
47255_7256	47255	7256	15.944	23.849	2.613	5.001	-2.281	3656.456	1.03
47256_7256	47256	7256	-15.816	-29.931	0.397	5.973	1.719	-3656.2	1.03
47256_7257	47256	7257	15.816	29.93	-0.397	-5.973	-5.45	3375.019	1.05
47257_7257	47257	7257	-15.294	-30.2	0.429	-1.619	5.747	-3381.24	1.05
47257_7258	47257	7258	15.293	30.2	-0.429	1.619	-8.808	3165.476	1.05
47258_7258	47258	7258	-15.015	-30.339	0.446	-5.543	8.857	-3165.47	1.05
47258_7259	47258	7259	15.016	30.339	-0.446	5.543	-11.132	3010.785	1.05
47259_7259	47259	7259	-81.455	-77.842	-2.159	-23.25	63.023	7447.32	1.05
47259_7260	47259	7260	81.455	77.842	2.159	23.25	-46.27	-8051.36	1
47260_7260	47260	7260	-80.904	-78.422	-1.914	0.703	46.103	8057.733	1
47260_7261	47260	7261	80.904	78.422	1.914	-0.703	-29.495	-8738.43	1
47261_7261	47261	7261	-80.905	-78.422	-1.822	10.613	29.495	8738.425	1
47261_7262	47261	7262	80.905	78.422	1.822	-10.613	-14.819	-9370.2	1
47262_7262	47262	7262	-80.915	-84.59	-1.835	-14.33	14.819	9370.378	1
47262_7263	47262	7263	80.915	84.59	1.835	14.33	6.433	-10350.1	1
47263_7263	47263	7263	-80.918	-84.59	-1.663	7.721	-6.433	10350.07	1
47263_7264	47263	7264	80.918	84.591	1.663	-7.721	25.51	-11320.7	1
47264_7264	47264	7264	-80.948	-85.535	-3.412	-24.965	-25.51	11321.43	1
47264_7265	47264	7265	80.948	85.535	3.412	24.965	65.484	-12323.3	1
47265_7265	47265	7265	-80.96	-85.535	-3.118	19.867	-65.484	12323.28	1
47265_7266	47265	7266	80.96	85.535	3.118	-19.867	100.861	-13293.7	1
47266_7266	47266	7266	-80.918	-87.199	0.082	-25.372	-100.861	13295.06	1
47266_7267	47266	7267	80.918	87.199	-0.082	25.372	99.921	-14295.3	1
47267_7267	47267	7267	-80.917	-87.199	0.327	17.849	-99.921	14295.31	1
47267_7268	47267	7268	80.917	87.199	-0.327	-17.849	96.141	-15304.8	1
47268_7268	47268	7268	-81.083	-93.493	-6.23	-54.45	-96.141	15307.22	1
47268_7269	47268	7269	81.083	93.493	6.23	54.45	121.029	-15680.8	1.07
47269_7269	47269	7269	-80.259	-94.213	-6.031	-15.271	-121.171	15684.74	1.07
47269_7270	47269	7270	80.258	94.214	6.031	15.271	180.061	-16604.7	1.04
47270_7270	47270	7270	-78.784	-95.464	-5.817	31.487	-179.196	16604.7	1.04
47270_7271	47270	7271	78.784	95.463	5.817	-31.487	238.797	-17582.9	1.04
47271_7271	47271	7271	-76.99	-94.228	-2.205	-41.941	-241.653	17605.6	1.04
47271_7272	47271	7272	76.989	94.228	2.205	41.941	268.729	-18762.4	1.03
47272_7272	47272	7272	-74.868	-95.93	-1.865	42.461	-264.28	18762.51	1.03
47272_7273	47272	7273	74.868	95.93	1.865	-42.461	287.55	-19959.1	1.03
47273_7273	47273	7273	-72.966	-97.216	5.024	-42.851	-294.48	19963.33	1.03

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
47273_7274	47273	7274	72.966	97.216	-5.024	42.851	266.519	-20504.4	1.03
47274_7274	47274	7274	-71.634	-98.191	5.215	8.779	-262.319	20504.46	1.03
47274_7275	47274	7275	71.634	98.192	-5.215	-8.779	220.443	-21293	1.02
47275_7275	47275	7275	-1119.97	328.547	9.166	36.076	41.012	10861.66	1.02
47275_7276	47275	7276	1119.97	-328.547	-9.166	-36.076	-91.417	-9054.91	1
47276_7276	47276	7276	65.91	17.137	1.399	-1.144	-137.502	967.719	1
47276_7277	47276	7277	-65.91	-17.137	-1.399	1.144	131.909	-899.2	1
47277_7277	47277	7277	65.912	17.137	1.286	0.249	-131.909	906.517	1
47277_7278	47277	7278	-65.912	-17.137	-1.286	-0.249	118.879	-732.906	1
47278_7278	47278	7278	65.916	17.137	1.097	2.357	-118.879	732.902	1
47278_7279	47278	7279	-65.916	-17.137	-1.097	-2.357	108.764	-574.867	1
47279_7279	47279	7279	65.947	7.147	2.16	0.316	-108.764	574.936	1
47279_7280	47279	7280	-65.947	-7.147	-2.16	-0.316	83.54	-491.484	1
47280_7280	47280	7280	65.955	7.147	1.885	2.37	-83.54	491.479	1
47280_7281	47280	7281	-65.955	-7.148	-1.885	-2.37	60.577	-404.404	1
47281_7281	47281	7281	65.988	25.142	2.883	0.769	-60.577	370.346	1
47281_7282	47281	7282	-65.988	-25.142	-2.883	-0.769	24.853	-58.752	1
47282_7282	47282	7282	65.995	25.142	2.696	0.935	-24.853	58.75	1
47282_7283	47282	7283	-65.995	-25.142	-2.696	-0.935	-6.052	229.462	1
47283_7283	47283	7283	65.97	7.739	0.977	1.573	6.052	-229.563	1
47283_7284	47283	7284	-65.97	-7.739	-0.977	-1.573	-16.512	312.415	1
47284_7284	47284	7284	65.973	7.739	0.709	0.304	16.512	-312.42	1
47284_7285	47284	7285	-65.973	-7.739	-0.709	-0.304	-23.4	387.606	1
47285_7285	47285	7285	65.969	10.687	2.239	1.089	23.4	-387.594	1
47285_7286	47285	7286	-65.969	-10.688	-2.239	-1.089	-41.686	474.916	1
47286_7286	47286	7286	65.973	10.688	2.126	0.277	41.686	-474.917	1
47286_7287	47286	7287	-65.973	-10.687	-2.126	-0.277	-57.301	553.436	1
47287_7287	47287	7287	65.978	10.687	1.979	-0.865	57.301	-556.447	1
47287_7288	47287	7288	-65.978	-10.688	-1.979	0.865	-73.156	642.092	1.02
47288_7288	47288	7288	-7.871	6.472	0.986	4.856	-21.926	-2447.21	1.02
47288_7289	47288	7289	7.871	-6.472	-0.986	-4.856	9.403	2529.409	1.02
47289_7289	47289	7289	-7.963	6.353	1.013	-3.382	-8.748	-2529.41	1.02
47289_7290	47289	7290	7.963	-6.353	-1.013	3.382	-2.439	2599.521	1.03
47290_7290	47290	7290	-8.285	2.975	-0.529	4.604	1.979	-2599.93	1.03
47290_7291	47290	7291	8.285	-2.976	0.529	-4.604	1.919	2621.869	1.05
47291_7291	47291	7291	-8.337	2.829	-0.521	2.288	-1.767	-2621.87	1.05
47291_7292	47291	7292	8.337	-2.829	0.521	-2.288	6.307	2646.512	1.14
47292_7292	47292	7292	-8.383	2.695	-0.486	-8.65	-6.108	-2648.12	1.14
47292_7293	47292	7293	8.382	-2.696	0.486	8.65	8.183	2659.628	1
47293_7293	47293	7293	-8.398	-0.701	0.658	4.709	-8.327	-2659.95	1
47293_7294	47293	7294	8.398	0.7	-0.658	-4.709	3.629	2654.945	1
47294_7294	47294	7294	-8.394	-0.732	0.673	-0.18	-3.611	-2654.95	1
47294_7295	47294	7295	8.394	0.733	-0.673	0.18	-2.179	2648.653	1
47295_7295	47295	7295	-8.392	-0.733	0.692	-6.063	2.179	-2646.4	1
47295_7296	47295	7296	8.392	0.733	-0.692	6.063	-7.065	2641.237	1
47296_7296	47296	7296	14.17	-44.831	1.306	10.711	-51.441	-7895.66	1
47296_7297	47296	7297	-14.17	44.83	-1.306	-10.711	37.092	7403.119	1
47297_7297	47297	7297	14.174	-44.83	1.269	-8.788	-37.092	-7403.12	1
47297_7298	47297	7298	-14.174	44.83	-1.269	8.788	22.637	6892.338	1
47298_7298	47298	7298	14.167	-38.459	0.649	13.54	-22.637	-6893.11	1
47298_7299	47298	7299	-14.167	38.459	-0.649	-13.54	15.356	6461.291	1
47299_7299	47299	7299	14.17	-38.459	0.597	-10.049	-15.356	-6461.3	1
47299_7300	47299	7300	-14.17	38.459	-0.597	10.049	7.833	5976.513	1
47300_7300	47300	7300	14.176	-40.18	0.792	10.243	-7.833	-5977.22	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
47300_7301	47300	7301	-14.176	40.18	-0.792	-10.243	-1.82	5487.619	1
47301_7301	47301	7301	14.179	-40.18	0.746	-7.571	1.82	-5487.62	1
47301_7302	47301	7302	-14.179	40.18	-0.746	7.571	-10.512	5019.565	1
47302_7302	47302	7302	14.186	-42.164	0.982	9.91	10.512	-5020.08	1
47302_7303	47302	7303	-14.186	42.164	-0.982	-9.91	-23.063	4481.156	1
47303_7303	47303	7303	14.189	-42.164	0.929	-6.812	23.063	-4481.16	1
47303_7304	47303	7304	-14.189	42.164	-0.929	6.812	-33.329	4015.247	1
47304_7304	47304	7304	14.195	-44.077	1.026	9.022	33.329	-4015.68	1
47304_7305	47304	7305	-14.195	44.077	-1.026	-9.022	-45.182	3506.385	1
47305_7305	47305	7305	14.199	-44.077	0.975	-3.43	45.182	-3506.4	1
47305_7306	47305	7306	-14.199	44.077	-0.975	3.43	-57.148	2965.651	1
47306_7306	47306	7306	14.16	-44.61	-1.679	7.626	57.148	-2965.96	1
47306_7307	47306	7307	-14.16	44.61	1.679	-7.626	-37.193	2435.751	1
47307_7307	47307	7307	14.154	-44.61	-1.736	-2.119	37.193	-2435.76	1
47307_7308	47307	7308	-14.154	44.61	1.736	2.119	-16.47	1903.143	1
47308_7308	47308	7308	14.32	-45.947	9.805	5.702	16.47	-1903.34	1
47308_7309	47308	7309	-14.32	45.947	-9.805	-5.702	-134.14	1351.949	1
47309_7309	47309	7309	14.362	-45.947	9.744	-0.003	134.14	-1351.96	1
47309_7310	47309	7310	-14.362	45.946	-9.744	0.003	-249.297	808.989	1
47310_7310	47310	7310	13.989	-64.567	-18.637	3.214	249.297	-809.049	1
47310_7311	47310	7311	-13.989	64.567	18.637	-3.214	0	-54.622	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1	2	3	4	5	6	7	8	9
47000_7000	47000	7000	-0.081	12.71	5.729	-4.302	0	-5.053
47000_7001	47000	7001	0.081	-12.709	-5.729	4.302	-60.194	138.586
47001_7001	47001	7001	-0.081	12.709	5.729	-4.301	60.194	-138.586
47001_7002	47001	7002	0.081	-12.709	-5.729	4.301	-114.028	258.01
47002_7002	47002	7002	-0.114	7.384	-5.127	-2.875	114.028	-257.991
47002_7003	47002	7003	0.114	-7.384	5.127	2.875	-51.949	347.393
47003_7003	47003	7003	-0.119	7.384	-5.127	-3.196	51.949	-347.39
47003_7004	47003	7004	0.119	-7.384	5.127	3.196	10.171	436.856
47004_7004	47004	7004	-0.105	7.019	0.579	-2.111	-10.171	-436.832
47004_7005	47004	7005	0.105	-7.02	-0.579	2.111	3.165	521.802
47005_7005	47005	7005	-0.104	7.02	0.579	-3.022	-3.165	-521.797
47005_7006	47005	7006	0.104	-7.02	-0.579	3.022	-3.849	606.818
47006_7006	47006	7006	-0.105	4.694	0.139	-0.68	3.849	-606.84
47006_7007	47006	7007	0.105	-4.694	-0.139	0.68	-5.532	663.697
47007_7007	47007	7007	-0.105	4.694	0.139	-1.837	5.532	-663.694
47007_7008	47007	7008	0.105	-4.695	-0.139	1.837	-7.217	720.585
47008_7008	47008	7008	-0.105	1.918	-0.074	0.709	7.217	-720.6
47008_7009	47008	7009	0.105	-1.918	0.074	-0.709	-6.315	743.823
47009_7009	47009	7009	-0.106	1.918	-0.074	-0.586	6.315	-743.823
47009_7010	47009	7010	0.106	-1.918	0.074	0.586	-5.415	767.06
47010_7010	47010	7010	-0.104	-0.618	0.182	1.906	5.415	-767.03
47010_7011	47010	7011	0.104	0.618	-0.182	-1.906	-7.617	759.549
47011_7011	47011	7011	-0.103	-0.618	0.182	0.662	7.617	-759.551
47011_7012	47011	7012	0.103	0.617	-0.182	-0.662	-9.821	752.072
47012_7012	47012	7012	-0.106	-3.285	-0.479	2.81	9.821	-752.082
47012_7013	47012	7013	0.106	3.285	0.479	-2.81	-4.018	712.3
47013_7013	47013	7013	-0.106	-3.285	-0.479	1.572	4.018	-712.304
47013_7014	47013	7014	0.106	3.285	0.479	-1.572	1.785	672.498
47014_7014	47014	7014	-0.099	-1.096	1.221	2.64	-1.785	-672.49
47014_7015	47014	7015	0.099	1.096	-1.221	-2.64	-17.564	655.117
47015_7015	47015	7015	-0.088	-1.097	1.221	1.018	17.574	-655.174
47015_7016	47015	7016	0.089	1.097	-1.221	-1.018	-27.66	646.112
47016_7016	47016	7016	-0.538	-9.936	1.176	2.202	22.112	123.154
47016_7017	47016	7017	0.538	9.935	-1.176	-2.202	-35.935	-239.932
47017_7017	47017	7017	-0.293	-9.945	1.177	1.886	36.006	240.004
47017_7018	47017	7018	0.292	9.945	-1.177	-1.886	-51.626	-371.919
47018_7018	47018	7018	0.114	-11.685	-2.349	1.603	51.733	371.912
47018_7019	47018	7019	-0.114	11.685	2.349	-1.603	-22.273	-518.408
47019_7019	47019	7019	0.414	-11.678	-2.348	2.248	22.432	518.398
47019_7020	47019	7020	-0.415	11.678	2.348	-2.248	7.066	-665.115
47020_7020	47020	7020	-61.856	-0.323	4.356	0.117	-91.766	167.115
47020_7021	47020	7021	61.856	0.324	-4.356	-0.117	50.38	-170.191
47021_7021	47021	7021	-61.853	-0.324	4.393	-0.843	-50.38	155.247
47021_7022	47021	7022	61.853	0.323	-4.393	0.843	16.342	-157.756
47022_7022	47022	7022	-61.847	-0.323	4.472	-0.641	-16.342	157.757
47022_7023	47022	7023	61.847	0.323	-4.472	0.641	-18.307	-160.265
47023_7023	47023	7023	-61.827	-0.674	-0.486	-0.221	18.307	160.257
47023_7024	47023	7024	61.827	0.674	0.486	0.221	-14.421	-165.651
47024_7024	47024	7024	-61.828	-0.674	-0.417	-0.038	14.421	165.651
47024_7025	47024	7025	61.828	0.673	0.417	0.038	-11.089	-171.037
47025_7025	47025	7025	-61.828	-0.673	-0.417	-0.038	11.089	171.037
47025_7026	47025	7026	61.828	0.674	0.417	0.038	-7.757	-176.422

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47026_7026	47026	7026	-61.828	-1.759	-0.382	-0.144	7.757	176.411
47026_7027	47026	7027	61.828	1.76	0.382	0.144	-5.464	-186.976
47027_7027	47027	7027	-61.828	-1.76	-0.393	-0.177	5.464	186.976
47027_7028	47027	7028	61.828	1.76	0.393	0.177	-3.109	-197.524
47028_7028	47028	7028	-61.829	-1.76	-0.28	0.186	3.109	197.525
47028_7029	47028	7029	61.829	1.76	0.28	-0.186	-1.433	-208.089
47029_7029	47029	7029	-61.829	-1.76	-0.28	0.186	1.433	208.089
47029_7030	47029	7030	61.829	1.76	0.28	-0.186	0.245	-218.652
47030_7030	47030	7030	-61.828	-2.841	0.055	0.004	-0.245	218.652
47030_7031	47030	7031	61.828	2.842	-0.055	-0.004	-0.195	-241.362
47031_7031	47031	7031	-61.828	-2.842	0.063	0.036	0.195	241.362
47031_7032	47031	7032	61.828	2.841	-0.063	-0.036	-0.701	-264.101
47032_7032	47032	7032	-61.828	-2.841	0.14	0.364	0.701	264.101
47032_7033	47032	7033	61.828	2.842	-0.14	-0.364	-1.819	-286.837
47033_7033	47033	7033	-61.851	-3.37	-2.576	0.59	1.819	286.839
47033_7034	47033	7034	61.851	3.369	2.576	-0.59	18.144	-312.95
47034_7034	47034	7034	-61.847	-3.369	-2.655	0.188	-18.144	312.95
47034_7035	47034	7035	61.847	3.369	2.655	-0.188	38.727	-339.065
47035_7035	47035	7035	-61.852	-3.369	-2.537	0.193	-38.727	354.791
47035_7036	47035	7036	61.852	3.37	2.537	-0.193	62.824	-386.793
47036_7036	47036	7036	-7.554	10.512	1.549	-1.522	-11.761	858.834
47036_7037	47036	7037	7.554	-10.512	-1.549	1.522	-7.706	-726.746
47037_7037	47037	7037	-7.826	10.311	1.556	-1.146	7.62	726.748
47037_7038	47037	7038	7.826	-10.311	-1.556	1.146	-27.125	-597.506
47038_7038	47038	7038	-8.221	7.86	-0.704	-3.264	27.16	597.533
47038_7039	47038	7039	8.22	-7.859	0.704	3.264	-17.818	-493.248
47039_7039	47039	7039	-19.585	85.275	0.237	16.219	15.804	11373.09
47039_7040	47039	7040	19.585	-85.275	-0.237	-16.219	-18.588	-10370.6
47040_7040	47040	7040	-21.106	75.421	-0.024	-14.667	19.127	10371
47040_7041	47040	7041	21.106	-75.422	0.024	14.667	-18.927	-9748.98
47041_7041	47041	7041	-21.769	75.233	0.017	3.592	18.798	9742.779
47041_7042	47041	7042	21.769	-75.233	-0.017	-3.592	-19.059	-8582.21
47042_7042	47042	7042	-21.771	70.734	-1.335	-8.157	19.059	8582.31
47042_7043	47042	7043	21.771	-70.734	1.335	8.157	-3.181	-7740.56
47043_7043	47043	7043	-21.773	70.734	-1.298	4.799	3.181	7740.567
47043_7044	47043	7044	21.773	-70.735	1.298	-4.799	12.262	-6898.95
47044_7044	47044	7044	-21.768	68.53	0.192	-2.698	-12.262	6898.97
47044_7045	47044	7045	21.768	-68.529	-0.192	2.698	9.978	-6082.97
47045_7045	47045	7045	-21.768	68.529	0.208	1.94	-9.978	6082.969
47045_7046	47045	7046	21.768	-68.53	-0.208	-1.94	7.499	-5267.71
47046_7046	47046	7046	-21.769	65.568	-0.027	-2.589	-7.499	5267.7
47046_7047	47046	7047	21.769	-65.568	0.027	2.589	7.821	-4487.14
47047_7047	47047	7047	-21.77	65.568	0.009	4.922	-7.821	4487.134
47047_7048	47047	7048	21.77	-65.568	-0.009	-4.922	7.709	-3706.68
47048_7048	47048	7048	-21.77	62.715	-0.006	1.142	-7.709	3706.675
47048_7049	47048	7049	21.77	-62.715	0.006	-1.142	7.773	-2960.24
47049_7049	47049	7049	-21.77	62.715	0.012	3.621	-7.773	2960.233
47049_7050	47049	7050	21.77	-62.715	-0.012	-3.621	7.621	-2213.85
47050_7050	47050	7050	-21.769	62.152	0.945	2.172	-7.621	2213.82
47050_7051	47050	7051	21.769	-62.152	-0.945	-2.172	-6.954	-1255.34
47051_7051	47051	7051	-22.289	61.966	0.981	4.313	6.991	1257.483
47051_7052	47051	7052	22.289	-61.967	-0.981	-4.313	-15.086	-746.458
47052_7052	47052	7052	-23.143	56.288	0.907	2.467	15.113	746.424

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47052_7053	47052	7053	23.143	-56.289	-0.907	-2.467	-25.785	-84.41
47053_7053	47053	7053	-26.436	60.651	0.741	2.403	16.572	-352.167
47053_7054	47053	7054	26.437	-60.651	-0.741	-2.403	-26.401	1156.793
47054_7054	47054	7054	-27.852	58.891	-1.645	4.082	26.627	-1156.75
47054_7055	47054	7055	27.852	-58.891	1.645	-4.082	-6.018	1894.763
47055_7055	47055	7055	-29.376	58.146	-1.608	0.916	5.818	-1894.77
47055_7056	47055	7056	29.376	-58.146	1.608	-0.916	14.368	2625.027
47056_7056	47056	7056	150.708	19.368	5.831	0.573	-146.644	219.273
47056_7057	47056	7057	-150.708	-19.368	-5.831	-0.573	91.217	-35.15
47057_7057	47057	7057	150.714	19.368	5.657	0.308	-91.217	43.254
47057_7058	47057	7058	-150.714	-19.368	-5.657	-0.308	47.368	106.867
47058_7058	47058	7058	150.721	19.368	5.463	0.171	-47.368	-106.868
47058_7059	47058	7059	-150.721	-19.368	-5.463	-0.171	5.027	256.974
47059_7059	47059	7059	150.715	18.722	0.888	1.308	-5.027	-256.966
47059_7060	47059	7060	-150.715	-18.721	-0.888	-1.308	-2.075	406.572
47060_7060	47060	7060	150.716	18.721	0.687	0.765	2.075	-406.574
47060_7061	47060	7061	-150.716	-18.721	-0.687	-0.765	-7.574	556.353
47061_7061	47061	7061	150.717	18.721	0.5	0.07	7.574	-556.354
47061_7062	47061	7062	-150.717	-18.721	-0.5	-0.07	-11.568	706.12
47062_7062	47062	7062	150.718	17.763	1.096	1.765	11.568	-706.14
47062_7063	47062	7063	-150.718	-17.764	-1.096	-1.765	-18.151	812.806
47063_7063	47063	7063	150.719	17.764	0.846	0.415	18.151	-812.809
47063_7064	47063	7064	-150.719	-17.764	-0.846	-0.415	-23.23	919.463
47064_7064	47064	7064	150.719	17.764	0.864	0.52	23.23	-919.463
47064_7065	47064	7065	-150.719	-17.764	-0.864	-0.52	-28.404	1025.94
47065_7065	47065	7065	150.719	17.764	0.846	0.403	28.404	-1025.94
47065_7066	47065	7066	-150.719	-17.764	-0.846	-0.403	-33.483	1132.595
47066_7066	47066	7066	150.723	16.531	0.818	0.878	33.483	-1132.6
47066_7067	47066	7067	-150.723	-16.531	-0.818	-0.878	-40.024	1264.799
47067_7067	47067	7067	150.723	16.531	0.818	0.878	40.024	-1264.8
47067_7068	47067	7068	-150.723	-16.53	-0.818	-0.878	-46.565	1397.001
47068_7068	47068	7068	150.723	16.53	0.806	0.762	46.565	-1397
47068_7069	47068	7069	-150.723	-16.53	-0.806	-0.762	-53.014	1529.369
47069_7069	47069	7069	150.686	16.581	-2.99	2.584	53.014	-1529.39
47069_7070	47069	7070	-150.686	-16.581	2.99	-2.584	-29.856	1657.828
47070_7070	47070	7070	150.681	16.581	-3.183	0.448	29.856	-1657.83
47070_7071	47070	7071	-150.681	-16.581	3.183	-0.448	-5.195	1786.26
47071_7071	47071	7071	150.682	16.581	-3.199	0.033	5.195	-1797.63
47071_7072	47071	7072	-150.682	-16.581	3.199	-0.033	25.188	1955.132
47072_7072	47072	7072	-18.094	-17.003	1.863	1.306	12.229	-5085.81
47072_7073	47072	7073	18.094	17.002	-1.863	-1.306	-35.643	4872.127
47073_7073	47073	7073	-17.643	-17.468	1.877	-3.5	35.956	-4872.12
47073_7074	47073	7074	17.643	17.468	-1.877	3.5	-59.479	4653.108
47074_7074	47074	7074	-17.46	-22.232	-1.307	0.675	59.089	-4653.21
47074_7075	47074	7075	17.46	22.231	1.307	-0.675	-41.754	4358.419
47075_7075	47075	7075	-15.38	57.002	-1.486	9.559	45.159	7659.599
47075_7076	47075	7076	15.379	-57.003	1.486	-9.559	-27.687	-6989.64
47076_7076	47076	7076	-16.358	46.335	0.106	-6.744	27.972	6989.902
47076_7077	47076	7077	16.359	-46.335	-0.106	6.744	-28.85	-6607.47
47077_7077	47077	7077	-16.749	46.196	0.126	0.73	28.792	6613.467
47077_7078	47077	7078	16.749	-46.195	-0.126	-0.73	-30.552	-5967.57
47078_7078	47078	7078	-16.753	44.201	-0.634	-4.275	30.552	5967.58
47078_7079	47078	7079	16.753	-44.201	0.634	4.275	-23.447	-5472.68

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47079_7079	47079	7079	-16.753	44.201	-0.621	0.344	23.447	5472.679
47079_7080	47079	7080	16.753	-44.201	0.621	-0.344	-16.508	-4978.24
47080_7080	47080	7080	-16.752	41.816	-0.148	-3.181	16.508	4978.283
47080_7081	47080	7081	16.752	-41.816	0.148	3.181	-14.855	-4510.57
47081_7081	47081	7081	-16.752	41.816	-0.132	1.053	14.855	4510.57
47081_7082	47081	7082	16.752	-41.816	0.132	-1.053	-13.375	-4042.46
47082_7082	47082	7082	-16.753	38.77	-0.116	-1.457	13.375	4042.5
47082_7083	47082	7083	16.753	-38.771	0.116	1.457	-11.982	-3576.29
47083_7083	47083	7083	-16.752	38.771	-0.102	1.513	11.982	3576.285
47083_7084	47083	7084	16.752	-38.771	0.102	-1.513	-10.755	-3110.09
47084_7084	47084	7084	-16.754	35.762	-0.211	-0.002	10.755	3110.111
47084_7085	47084	7085	16.754	-35.762	0.211	0.002	-8.397	-2709.84
47085_7085	47085	7085	-16.754	35.762	-0.196	2.303	8.397	2709.841
47085_7086	47085	7086	16.754	-35.762	0.196	-2.303	-6.202	-2309.95
47086_7086	47086	7086	-16.754	32.884	-0.246	0.326	6.202	2309.917
47086_7087	47086	7087	16.754	-32.884	0.246	-0.326	-3.448	-1941.89
47087_7087	47087	7087	-16.755	32.884	-0.216	3.793	3.448	1941.887
47087_7088	47087	7088	16.755	-32.884	0.216	-3.793	-1.028	-1573.89
47088_7088	47088	7088	-16.752	32.456	0.537	1.637	1.028	1573.899
47088_7089	47088	7089	16.752	-32.456	-0.537	-1.637	-8.258	-1137.29
47089_7089	47089	7089	-17.031	32.31	0.569	3.606	8.29	1134.099
47089_7090	47089	7090	17.031	-32.31	-0.569	-3.606	-12.984	-867.626
47090_7090	47090	7090	-17.412	26.139	0.813	1.586	12.995	867.578
47090_7091	47090	7091	17.412	-26.139	-0.813	-1.586	-22.554	-560.351
47091_7091	47091	7091	-20.247	29.929	0.601	2.26	16.681	213.162
47091_7092	47091	7092	20.248	-29.93	-0.601	-2.26	-24.652	183.91
47092_7092	47092	7092	-20.838	27.728	-1.922	2.276	24.748	-183.939
47092_7093	47092	7093	20.838	-27.727	1.922	-2.276	-0.655	531.488
47093_7093	47093	7093	-21.557	27.174	-1.893	1.412	0.627	-531.491
47093_7094	47093	7094	21.557	-27.174	1.893	-1.412	23.144	872.876
47094_7094	47094	7094	49.516	12.12	4.035	-0.308	-97.421	441.182
47094_7095	47094	7095	-49.516	-12.12	-4.035	0.308	59.057	-325.962
47095_7095	47095	7095	49.52	12.12	3.991	-0.172	-59.057	327.946
47095_7096	47095	7096	-49.52	-12.121	-3.991	0.172	28.149	-234.075
47096_7096	47096	7096	49.525	12.121	3.925	0.14	-28.149	234.075
47096_7097	47096	7097	-49.525	-12.12	-3.925	-0.14	-2.286	-140.087
47097_7097	47097	7097	49.528	11.611	0.001	0.047	2.286	140.087
47097_7098	47097	7098	-49.528	-11.611	-0.001	-0.047	-2.292	-47.265
47098_7098	47098	7098	49.529	11.611	-0.063	0.108	2.292	47.264
47098_7099	47098	7099	-49.529	-11.611	0.063	-0.108	-1.786	45.669
47099_7099	47099	7099	49.529	11.611	-0.125	0.051	1.786	-45.669
47099_7100	47099	7100	-49.529	-11.611	0.125	-0.051	-0.785	138.599
47100_7100	47100	7100	49.529	10.616	0.222	0.07	0.785	-138.588
47100_7101	47100	7101	-49.529	-10.616	-0.222	-0.07	-2.113	202.208
47101_7101	47101	7101	49.53	10.616	0.136	-0.278	2.113	-202.209
47101_7102	47101	7102	-49.53	-10.615	-0.136	0.278	-2.933	265.931
47102_7102	47102	7102	49.529	10.615	0.301	0.608	2.933	-265.931
47102_7103	47102	7103	-49.529	-10.616	-0.301	-0.608	-4.743	329.661
47103_7103	47103	7103	49.529	10.616	0.222	0.077	4.743	-329.662
47103_7104	47103	7104	-49.529	-10.615	-0.222	-0.077	-6.071	393.282
47104_7104	47104	7104	49.529	9.441	0.708	0.56	6.071	-393.294
47104_7105	47104	7105	-49.529	-9.441	-0.708	-0.56	-11.738	468.86
47105_7105	47105	7105	49.53	9.441	0.646	-0.026	11.738	-468.86

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47105_7106	47105	7106	-49.53	-9.441	-0.646	0.026	-16.911	544.422
47106_7106	47106	7106	49.53	9.441	0.648	-0.006	16.911	-544.422
47106_7107	47106	7107	-49.53	-9.441	-0.648	0.006	-22.091	619.89
47107_7107	47107	7107	49.512	9.207	-3.22	0.68	22.091	-619.893
47107_7108	47107	7108	-49.512	-9.207	3.22	-0.68	2.871	691.283
47108_7108	47108	7108	49.512	9.207	-3.22	0.68	-2.871	-691.283
47108_7109	47108	7109	-49.512	-9.208	3.22	-0.68	27.833	762.671
47109_7109	47109	7109	49.51	9.208	-3.269	-0.25	-27.833	-765.312
47109_7110	47109	7110	-49.51	-9.207	3.269	0.25	58.863	852.725
47110_7110	47110	7110	-17.033	-2.41	1.739	0.536	-6.417	-2358.81
47110_7111	47110	7111	17.034	2.411	-1.739	-0.536	-15.444	2328.518
47111_7111	47111	7111	-16.962	-2.853	1.767	-3.58	15.733	-2328.51
47111_7112	47111	7112	16.962	2.853	-1.767	3.58	-37.878	2292.727
47112_7112	47112	7112	-17.102	-7.121	-0.691	-1.793	37.639	-2292.76
47112_7113	47112	7113	17.101	7.122	0.691	1.793	-28.478	2198.33
47113_7113	47113	7113	-12.094	72.884	-0.711	7.742	18.731	9887.735
47113_7114	47113	7114	12.094	-72.884	0.711	-7.742	-10.368	-9030.87
47114_7114	47114	7114	-13.363	63.678	-0.05	-5.505	10.606	9031.175
47114_7115	47114	7115	13.363	-63.678	0.05	5.505	-10.197	-8505.7
47115_7115	47115	7115	-13.913	63.56	-0.042	-0.807	10.148	8506.304
47115_7116	47115	7116	13.913	-63.56	0.042	0.807	-9.563	-7618.2
47116_7116	47116	7116	-13.914	60.107	-0.465	-5.049	9.563	7618.207
47116_7117	47116	7117	13.914	-60.107	0.465	5.049	-4.364	-6945.49
47117_7117	47117	7117	-13.914	60.107	-0.452	1.045	4.364	6945.493
47117_7118	47117	7118	13.914	-60.107	0.452	-1.045	0.693	-6273.39
47118_7118	47118	7118	-13.915	57.571	0.119	-1.066	-0.693	6273.327
47118_7119	47118	7119	13.915	-57.571	-0.119	1.066	-0.636	-5629.02
47119_7119	47119	7119	-13.915	57.571	0.119	-1.066	0.636	5629.022
47119_7120	47119	7120	13.915	-57.572	-0.119	1.066	-1.966	-4984.72
47120_7120	47120	7120	-13.914	54.434	-0.049	-3.409	1.966	4984.795
47120_7121	47120	7121	13.914	-54.434	0.049	3.409	-1.379	-4330.43
47121_7121	47121	7121	-13.915	54.434	-0.026	3.795	1.379	4330.433
47121_7122	47121	7122	13.915	-54.434	0.026	-3.795	-1.07	-3676.09
47122_7122	47122	7122	-13.915	51.068	-0.01	0.035	1.07	3676.085
47122_7123	47122	7123	13.915	-51.068	0.01	-0.035	-0.967	-3104.59
47123_7123	47123	7123	-13.914	51.068	0.003	2.809	0.967	3104.59
47123_7124	47123	7124	13.914	-51.069	-0.003	-2.809	-1.003	-2533.1
47124_7124	47124	7124	-13.914	47.607	0.025	0.641	1.003	2533.101
47124_7125	47124	7125	13.914	-47.607	-0.025	-0.641	-1.29	-2000.35
47125_7125	47125	7125	-13.914	47.607	0.05	4.215	1.29	2000.348
47125_7126	47125	7126	13.914	-47.607	-0.05	-4.215	-1.856	-1467.61
47126_7126	47126	7126	-13.911	46.258	0.846	2.549	1.856	1467.651
47126_7127	47126	7127	13.911	-46.258	-0.846	-2.549	-13.286	-842.23
47127_7127	47127	7127	-14.3	46.139	0.864	3.336	13.315	838.597
47127_7128	47127	7128	14.3	-46.139	-0.864	-3.336	-20.444	-457.936
47128_7128	47128	7128	-14.874	39.077	1.413	3.597	20.509	457.887
47128_7129	47128	7129	14.873	-39.078	-1.413	-3.597	-37.114	1.417
47129_7129	47129	7129	-19.88	44.214	2.34	1.655	45.383	-491.31
47129_7130	47129	7130	19.879	-44.213	-2.34	-1.655	-76.421	1077.877
47130_7130	47130	7130	-20.814	41.969	-5.601	2.904	76.676	-1077.92
47130_7131	47130	7131	20.814	-41.969	5.601	-2.904	-6.472	1604.023
47131_7131	47131	7131	-22.201	41.254	-5.588	1.591	6.445	-1604.03
47131_7132	47131	7132	22.201	-41.254	5.588	-1.591	59.212	2088.716

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47132_7132	47132	7132	105.087	10.052	7.445	1.05	-156.178	171.923
47132_7133	47132	7133	-105.087	-10.052	-7.445	-1.05	79.34	-68.186
47133_7133	47133	7133	105.077	10.052	7.582	-0.674	-79.34	90.844
47133_7134	47133	7134	-105.077	-10.052	-7.582	0.674	20.585	-12.94
47134_7134	47134	7134	105.057	10.052	7.852	-0.706	-20.585	12.939
47134_7135	47134	7135	-105.057	-10.052	-7.852	0.706	-40.346	65.066
47135_7135	47135	7135	105.073	10.998	-1.341	0.379	40.346	-65.058
47135_7136	47135	7136	-105.073	-10.998	1.341	-0.379	-29.63	152.939
47136_7136	47136	7136	105.071	10.998	-1.474	0.186	29.63	-152.938
47136_7137	47136	7137	-105.071	-10.999	1.474	-0.186	-17.843	240.929
47137_7137	47137	7137	105.071	10.999	-1.474	0.186	17.843	-240.929
47137_7138	47137	7138	-105.071	-10.999	1.474	-0.186	-6.057	328.919
47138_7138	47138	7138	105.063	9.992	0.233	0.776	6.057	-328.932
47138_7139	47138	7139	-105.063	-9.991	-0.233	-0.776	-7.453	388.882
47139_7139	47139	7139	105.063	9.991	0.058	0.128	7.453	-388.883
47139_7140	47139	7140	-105.063	-9.991	-0.058	-0.128	-7.797	448.832
47140_7140	47140	7140	105.063	9.991	0.058	0.128	7.797	-448.832
47140_7141	47140	7141	-105.063	-9.992	-0.058	-0.128	-8.143	508.783
47141_7141	47141	7141	105.063	9.992	0.058	0.128	8.143	-508.783
47141_7142	47141	7142	-105.063	-9.991	-0.058	-0.128	-8.488	568.732
47142_7142	47142	7142	105.058	8.748	0.557	1.018	8.488	-568.746
47142_7143	47142	7143	-105.058	-8.748	-0.557	-1.018	-12.943	638.727
47143_7143	47143	7143	105.059	8.748	0.425	0.22	12.943	-638.728
47143_7144	47143	7144	-105.059	-8.747	-0.425	-0.22	-16.348	708.709
47144_7144	47144	7144	105.059	8.747	0.425	0.22	16.348	-708.709
47144_7145	47144	7145	-105.059	-8.748	-0.425	-0.22	-19.752	778.691
47145_7145	47145	7145	105.085	8.823	-3.149	0.596	19.752	-778.697
47145_7146	47145	7146	-105.085	-8.823	3.149	-0.596	4.654	847.078
47146_7146	47146	7146	105.089	8.823	-3.014	1.69	-4.654	-847.076
47146_7147	47146	7147	-105.089	-8.823	3.014	-1.69	28.009	915.458
47147_7147	47147	7147	105.085	8.823	-3.138	0.01	-28.009	-935.273
47147_7148	47147	7148	-105.085	-8.823	3.138	-0.01	57.824	1019.095
47148_7148	47148	7148	-16.852	-12.871	1.662	0.346	-10.133	-3570.6
47148_7149	47148	7149	16.852	12.871	-1.662	-0.346	-10.746	3408.88
47149_7149	47149	7149	-16.509	-13.307	1.674	-2.654	10.955	-3408.88
47149_7150	47149	7150	16.509	13.307	-1.674	2.654	-31.941	3242.069
47150_7150	47150	7150	-16.396	-18.649	-1.041	-0.917	31.738	-3242.12
47150_7151	47150	7151	16.397	18.649	1.041	0.917	-17.92	2994.706
47151_7151	47151	7151	-5.338	72.827	0.375	2.522	29.01	8806.837
47151_7152	47151	7152	5.338	-72.827	-0.375	-2.522	-33.412	-7950.85
47152_7152	47152	7152	-6.588	61.658	-1.754	2.706	33.442	7950.784
47152_7153	47152	7153	6.588	-61.658	1.754	-2.706	-18.972	-7442.08
47153_7153	47153	7153	-7.104	61.6	-1.761	-4.466	18.995	7441.256
47153_7154	47153	7154	7.104	-61.601	1.761	4.466	5.214	-6594.23
47154_7154	47154	7154	-7.113	57.555	0.221	-1.39	-5.214	6594.237
47154_7155	47154	7155	7.113	-57.555	-0.221	1.39	2.792	-5961.12
47155_7155	47155	7155	-7.113	57.555	0.221	-1.39	-2.792	5961.121
47155_7156	47155	7156	7.113	-57.556	-0.221	1.39	0.369	-5328.01
47156_7156	47156	7156	-7.111	55.828	-0.272	1.86	-0.369	5328.008
47156_7157	47156	7157	7.111	-55.828	0.272	-1.86	3.082	-4769.72
47157_7157	47157	7157	-7.111	55.828	-0.278	-2.909	-3.082	4769.717
47157_7158	47157	7158	7.111	-55.829	0.278	2.909	5.865	-4211.42
47158_7158	47158	7158	-7.114	53.228	0.068	2.271	-5.865	4211.379

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47158_7159	47158	7159	7.114	-53.228	-0.068	-2.271	5.188	-3678.55
47159_7159	47159	7159	-7.114	53.228	0.061	-1.426	-5.188	3678.552
47159_7160	47159	7160	7.114	-53.229	-0.061	1.426	4.582	-3146.26
47160_7160	47160	7160	-7.115	50.378	0.281	2.595	-4.582	3146.252
47160_7161	47160	7161	7.115	-50.378	-0.281	-2.595	1.495	-2592.09
47161_7161	47161	7161	-7.115	50.378	0.274	0.239	-1.495	2592.092
47161_7162	47161	7162	7.115	-50.377	-0.274	-0.239	-1.519	-2037.93
47162_7162	47162	7162	-7.117	49.3	0.622	1.452	1.519	2037.939
47162_7163	47162	7163	7.117	-49.301	-0.622	-1.452	-10.07	-1360.05
47163_7163	47163	7163	-7.525	49.239	0.629	2.724	10.093	1360.464
47163_7164	47163	7164	7.525	-49.24	-0.629	-2.724	-15.281	-954.218
47164_7164	47164	7164	-8.138	42.158	1.086	1.645	15.302	954.265
47164_7165	47164	7165	8.138	-42.159	-1.086	-1.645	-28.063	-458.754
47165_7165	47165	7165	-14.3	48.865	0.878	1.774	25.504	-120.958
47165_7166	47165	7166	14.3	-48.865	-0.878	-1.774	-37.144	768.728
47166_7166	47166	7166	-15.3	46.03	-1.886	2.503	37.3	-768.756
47166_7167	47166	7167	15.3	-46.03	1.886	-2.503	-13.651	1345.723
47167_7167	47167	7167	-16.497	45.615	-1.877	1.075	13.603	-1345.73
47167_7168	47167	7168	16.496	-45.615	1.877	-1.075	9.979	1918.794
47168_7168	47168	7168	111.82	13.208	5.165	-0.145	-109.078	414.93
47168_7169	47168	7169	-111.82	-13.208	-5.165	0.145	60.008	-289.452
47169_7169	47169	7169	111.826	13.208	5.036	-0.923	-60.008	314.156
47169_7170	47169	7170	-111.826	-13.208	-5.036	0.923	20.978	-211.793
47170_7170	47170	7170	111.826	13.208	5.036	-0.923	-20.978	211.793
47170_7171	47170	7171	-111.826	-13.208	-5.036	0.923	-18.053	-109.431
47171_7171	47171	7171	111.862	12.811	-0.254	-0.116	18.053	109.427
47171_7172	47171	7172	-111.862	-12.812	0.254	0.116	-16.022	-6.936
47172_7172	47172	7172	111.862	12.812	-0.114	-0.124	16.022	6.936
47172_7173	47172	7173	-111.862	-12.811	0.114	0.124	-15.11	95.554
47173_7173	47173	7173	111.862	12.811	-0.254	-0.244	15.11	-95.555
47173_7174	47173	7174	-111.862	-12.811	0.254	0.244	-13.079	198.045
47174_7174	47174	7174	111.859	12.026	0.091	-0.043	13.079	-198.057
47174_7175	47174	7175	-111.859	-12.026	-0.091	0.043	-13.623	270.212
47175_7175	47175	7175	111.859	12.026	0.277	0.408	13.623	-270.212
47175_7176	47175	7176	-111.859	-12.025	-0.277	-0.408	-15.284	342.369
47176_7176	47176	7176	111.859	12.025	0.091	-0.163	15.284	-342.369
47176_7177	47176	7177	-111.859	-12.026	-0.091	0.163	-15.828	414.524
47177_7177	47177	7177	111.859	12.026	0.091	-0.163	15.828	-414.524
47177_7178	47177	7178	-111.859	-12.025	-0.091	0.163	-16.371	486.68
47178_7178	47178	7178	111.856	11.041	0.496	0.021	16.371	-486.693
47178_7179	47178	7179	-111.856	-11.041	-0.496	-0.021	-20.335	575.019
47179_7179	47179	7179	111.855	11.041	0.636	0.74	20.335	-575.018
47179_7180	47179	7180	-111.855	-11.041	-0.636	-0.74	-25.418	663.345
47180_7180	47180	7180	111.856	11.041	0.496	-0.089	25.418	-663.346
47180_7181	47180	7181	-111.856	-11.041	-0.496	0.089	-29.382	751.671
47181_7181	47181	7181	111.894	11.262	-4.953	0.694	29.382	-751.674
47181_7182	47181	7182	-111.894	-11.261	4.953	-0.694	9.011	838.949
47182_7182	47182	7182	111.894	11.261	-4.953	0.694	-9.011	-838.949
47182_7183	47182	7183	-111.894	-11.261	4.953	-0.694	47.404	926.226
47183_7183	47183	7183	111.899	11.261	-4.824	0.907	-47.404	-946.079
47183_7184	47183	7184	-111.899	-11.261	4.824	-0.907	93.24	1053.062
47184_7184	47184	7184	-14.787	-16.765	2.005	-2.704	-0.515	-3687.48
47184_7185	47184	7185	14.787	16.765	-2.005	2.704	-24.667	3476.877

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47185_7185	47185	7185	-14.347	-17.144	1.994	-0.571	24.385	-3476.88
47185_7186	47185	7186	14.348	17.144	-1.994	0.571	-49.38	3262.001
47186_7186	47186	7186	-14.127	-21.98	-0.571	-1.333	49.328	-3261.99
47186_7187	47186	7187	14.127	21.98	0.571	1.333	-41.741	2970.411
47187_7187	47187	7187	-6.771	73.472	-1.689	-4.822	25.638	8973.081
47187_7188	47187	7188	6.771	-73.472	1.689	4.822	-5.787	-8109.52
47188_7188	47188	7188	-8.025	61.058	-0.355	1.696	5.657	8109.51
47188_7189	47188	7189	8.025	-61.059	0.355	-1.696	-2.724	-7605.75
47189_7189	47189	7189	-8.525	60.99	-0.363	-5.639	2.738	7604.283
47189_7190	47189	7190	8.525	-60.991	0.363	5.639	2.261	-6765.65
47190_7190	47190	7190	-8.526	58.841	-0.197	-2.049	-2.261	6765.653
47190_7191	47190	7191	8.526	-58.841	0.197	2.049	4.421	-6118.4
47191_7191	47191	7191	-8.526	58.841	-0.197	-2.049	-4.421	6118.395
47191_7192	47191	7192	8.526	-58.84	0.197	2.049	6.58	-5471.14
47192_7192	47192	7192	-8.524	56.835	-0.624	-0.735	-6.58	5471.133
47192_7193	47192	7193	8.524	-56.836	0.624	0.735	12.813	-4903.91
47193_7193	47193	7193	-8.524	56.836	-0.624	-0.71	-12.813	4903.905
47193_7194	47193	7194	8.524	-56.836	0.624	0.71	19.053	-4336.11
47194_7194	47194	7194	-8.528	54.67	-0.143	-1.309	-19.053	4336.141
47194_7195	47194	7195	8.528	-54.671	0.143	1.309	20.473	-3789.98
47195_7195	47195	7195	-8.528	54.671	-0.134	2.484	-20.473	3789.977
47195_7196	47195	7196	8.528	-54.67	0.134	-2.484	21.808	-3243.82
47196_7196	47196	7196	-8.536	52.124	0.553	1.873	-21.808	3243.831
47196_7197	47196	7197	8.536	-52.125	-0.553	-1.873	15.726	-2670.45
47197_7197	47197	7197	-8.536	52.125	0.553	1.873	-15.726	2670.45
47197_7198	47197	7198	8.536	-52.125	-0.553	-1.873	9.644	-2097.07
47198_7198	47198	7198	-8.533	51.9	0.353	2.116	-9.644	2097.083
47198_7199	47198	7199	8.533	-51.901	-0.353	-2.116	4.802	-1383.96
47199_7199	47199	7199	-8.953	51.829	0.361	3.583	-4.772	1385.852
47199_7200	47199	7200	8.953	-51.83	-0.361	-3.583	1.796	-958.24
47200_7200	47200	7200	-9.607	45.228	0.971	2.527	-1.766	958.235
47200_7201	47200	7201	9.607	-45.229	-0.971	-2.527	-9.64	-426.65
47201_7201	47201	7201	-12.51	52.762	0.586	2.788	5.182	-275.356
47201_7202	47201	7202	12.51	-52.762	-0.586	-2.788	-12.945	975.284
47202_7202	47202	7202	-13.635	50.73	-2.093	2.137	12.985	-975.275
47202_7203	47202	7203	13.634	-50.73	2.093	-2.137	13.254	1611.085
47203_7203	47203	7203	-14.924	50.366	-2.102	3.758	-13.069	-1611.08
47203_7204	47203	7204	14.924	-50.365	2.102	-3.758	39.465	2243.712
47204_7204	47204	7204	150.928	12.827	5.205	0.83	-157.711	555.229
47204_7205	47204	7205	-150.928	-12.827	-5.205	-0.83	108.261	-433.371
47205_7205	47205	7205	150.921	12.827	5.385	-1.255	-108.261	477.39
47205_7206	47205	7206	-150.921	-12.827	-5.385	1.255	66.529	-377.98
47206_7206	47206	7206	150.928	12.827	5.19	-0.767	-66.529	377.981
47206_7207	47206	7207	-150.928	-12.826	-5.19	0.767	26.307	-278.571
47207_7207	47207	7207	150.973	12.273	1.038	0.552	-26.307	278.587
47207_7208	47207	7208	-150.973	-12.273	-1.038	-0.552	18.002	-180.402
47208_7208	47208	7208	150.973	12.273	1.038	0.552	-18.002	180.402
47208_7209	47208	7209	-150.973	-12.273	-1.038	-0.552	9.696	-82.217
47209_7209	47209	7209	150.971	12.273	1.227	0.45	-9.696	82.217
47209_7210	47209	7210	-150.971	-12.273	-1.227	-0.45	-0.119	15.968
47210_7210	47210	7210	150.974	11.476	0.977	0.838	0.119	-15.963
47210_7211	47210	7211	-150.974	-11.475	-0.977	-0.838	-5.982	84.815
47211_7211	47211	7211	150.974	11.475	0.977	0.838	5.982	-84.815

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47211_7212	47211	7212	-150.974	-11.475	-0.977	-0.838	-11.845	153.667
47212_7212	47212	7212	150.972	11.475	1.229	1.094	11.845	-153.666
47212_7213	47212	7213	-150.972	-11.476	-1.229	-1.094	-19.219	222.518
47213_7213	47213	7213	150.974	11.476	0.977	0.723	19.219	-222.52
47213_7214	47213	7214	-150.974	-11.475	-0.977	-0.723	-25.082	291.372
47214_7214	47214	7214	150.984	10.371	0.061	1.109	25.082	-291.367
47214_7215	47214	7215	-150.984	-10.371	-0.061	-1.109	-25.567	374.339
47215_7215	47215	7215	150.984	10.371	0.061	1.109	25.567	-374.339
47215_7216	47215	7216	-150.984	-10.371	-0.061	-1.109	-26.052	457.31
47216_7216	47216	7216	150.984	10.371	0.249	1.681	26.052	-457.307
47216_7217	47216	7217	-150.984	-10.372	-0.249	-1.681	-28.047	540.28
47217_7217	47217	7217	151.003	10.136	-1.626	4.666	28.047	-540.242
47217_7218	47217	7218	-151.003	-10.136	1.626	-4.666	-15.446	618.798
47218_7218	47218	7218	151.003	10.136	-1.626	4.666	15.446	-618.798
47218_7219	47218	7219	-151.003	-10.136	1.626	-4.666	-2.846	697.354
47219_7219	47219	7219	150.981	10.136	-3.041	-2.594	2.846	-733.319
47219_7220	47219	7220	-150.981	-10.136	3.041	2.594	26.042	829.613
47220_7220	47220	7220	-17.397	-20.94	1.145	5.7	-2.97	-3962.21
47220_7221	47220	7221	17.397	20.939	-1.145	-5.7	-11.408	3699.394
47221_7221	47221	7221	-16.854	-21.377	1.194	-6.352	12.396	-3699.39
47221_7222	47221	7222	16.854	21.376	-1.194	6.352	-27.366	3431.448
47222_7222	47222	7222	-16.47	-25.24	2.542	-2.395	26.983	-3431.71
47222_7223	47222	7223	16.47	25.24	-2.542	2.395	-60.71	3096.81
47223_7223	47223	7223	-25.067	67.626	-0.612	23.834	53.557	9156.166
47223_7224	47223	7224	25.067	-67.626	0.612	-23.834	-46.368	-8361.77
47224_7224	47224	7224	-26.161	57.051	0.044	-17.949	47.053	8363.216
47224_7225	47224	7225	26.161	-57.051	-0.044	17.949	-47.413	-7892.33
47225_7225	47225	7225	-26.615	56.841	0.141	10.555	47.267	7892.157
47225_7226	47225	7226	26.615	-56.841	-0.141	-10.555	-49.376	-7041.37
47226_7226	47226	7226	-26.625	55.483	-0.796	-11.157	49.376	7041.793
47226_7227	47226	7227	26.625	-55.483	0.796	11.157	-40.132	-6397.21
47227_7227	47227	7227	-26.628	55.483	-0.703	11.07	40.132	6397.214
47227_7228	47227	7228	26.628	-55.484	0.703	-11.07	-31.97	-5753.11
47228_7228	47228	7228	-26.626	53.553	-1.99	-10.277	31.97	5752.957
47228_7229	47228	7229	26.626	-53.553	1.99	10.277	-8.858	-5131.19
47229_7229	47229	7229	-26.634	53.553	-1.876	11.796	8.858	5131.186
47229_7230	47229	7230	26.634	-53.553	1.876	-11.796	12.928	-4509.3
47230_7230	47230	7230	-26.751	49.451	5.145	-7.124	-12.928	4508.723
47230_7231	47230	7231	26.751	-49.452	-5.145	7.124	-49.395	-3909.63
47231_7231	47231	7231	-26.73	49.452	5.254	8.816	49.395	3909.622
47231_7232	47231	7232	26.73	-49.451	-5.254	-8.816	-113.104	-3309.9
47232_7232	47232	7232	-26.584	54.643	-5.604	-5.571	113.104	3309.588
47232_7233	47232	7233	26.584	-54.644	5.604	5.571	-95.928	-3142.12
47233_7233	47233	7233	-26.912	54.486	-5.562	-1.163	95.923	3142.133
47233_7234	47233	7234	26.912	-54.486	5.562	1.163	-62.773	-2817.4
47234_7234	47234	7234	-27.511	54.19	-5.526	2.084	62.822	2817.401
47234_7235	47234	7235	27.511	-54.19	5.526	-2.084	-16.491	-2362.99
47235_7235	47235	7235	-28.099	53.892	-5.482	5.754	16.618	2362.981
47235_7236	47235	7236	28.098	-53.892	5.482	-5.754	14.42	-2057.82
47236_7236	47236	7236	-33.343	39.493	6.955	0.544	-14.563	2067.378
47236_7237	47236	7237	33.343	-39.493	-6.955	-0.544	-60.081	-1643.52
47237_7237	47237	7237	-24.677	56.917	8.044	0.932	-43.124	-820.425
47237_7238	47237	7238	24.678	-56.918	-8.044	-0.932	-33.372	1361.71

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47238_7238	47238	7238	-25.339	59.091	-7.309	5.383	33.796	-1361.36
47238_7239	47238	7239	25.339	-59.091	7.309	-5.383	35.011	1917.633
47239_7239	47239	7239	-25.433	59.059	-7.254	0.216	-35.436	-1917.63
47239_7240	47239	7240	25.432	-59.059	7.254	-0.216	111.254	2534.952
47240_7240	47240	7240	165.942	20.673	8.223	-2.311	-190.814	654.076
47240_7241	47240	7241	-165.942	-20.673	-8.223	2.311	127.238	-494.255
47241_7241	47241	7241	165.969	20.673	7.656	-1.19	-127.238	506.651
47241_7242	47241	7242	-165.969	-20.673	-7.656	1.19	61.743	-329.786
47242_7242	47242	7242	165.984	20.673	7.31	-0.505	-61.743	329.788
47242_7243	47242	7243	-165.984	-20.673	-7.31	0.505	1.752	-160.153
47243_7243	47243	7243	166.221	14.213	2.252	0.098	-1.752	160.144
47243_7244	47243	7244	-166.221	-14.213	-2.252	-0.098	-21.074	-16.116
47244_7244	47244	7244	166.226	14.213	1.858	0.136	21.074	16.115
47244_7245	47244	7245	-166.226	-14.213	-1.858	-0.136	-38.713	118.813
47245_7245	47245	7245	166.279	13.46	0.065	0.776	38.713	-118.768
47245_7246	47245	7246	-166.279	-13.46	-0.065	-0.776	-39.389	257.943
47246_7246	47246	7246	166.278	13.46	-0.357	0.122	39.389	-257.945
47246_7247	47246	7247	-166.278	-13.46	0.357	-0.122	-36.077	382.825
47247_7247	47247	7247	166.238	12.013	0.365	1.597	36.077	-382.748
47247_7248	47247	7248	-166.238	-12.013	-0.365	-1.597	-39.507	495.552
47248_7248	47248	7248	166.238	12.013	-0.311	-0.419	39.507	-495.555
47248_7249	47248	7249	-166.238	-12.012	0.311	0.419	-36.322	618.54
47249_7249	47249	7249	166.266	11.317	-1.748	1.765	36.322	-618.422
47249_7250	47249	7250	-166.266	-11.317	1.748	-1.765	-18.86	731.468
47250_7250	47250	7250	166.261	11.317	-2.192	-0.189	18.86	-731.471
47250_7251	47250	7251	-166.261	-11.317	2.192	0.189	2.252	840.452
47251_7251	47251	7251	166.108	8.454	3.627	6.871	-2.252	-840.25
47251_7252	47251	7252	-166.108	-8.454	-3.627	-6.871	-25.865	905.777
47252_7252	47252	7252	166.121	8.454	2.923	3.057	25.865	-907.381
47252_7253	47252	7253	-166.121	-8.454	-2.923	-3.057	-53.618	987.647
47253_7253	47253	7253	-16.601	-18.914	6.922	-9.936	9.68	-4307.96
47253_7254	47253	7254	16.601	18.914	-6.922	9.936	-60.14	4170.089
47254_7254	47254	7254	-16.421	-23.518	-2.647	4.788	58.658	-4169.55
47254_7255	47254	7255	16.421	23.518	2.647	-4.788	-27.9	3896.244
47255_7255	47255	7255	-15.943	-23.849	-2.613	-5.001	28.55	-3896.24
47255_7256	47255	7256	15.944	23.849	2.613	5.001	-2.281	3656.456
47256_7256	47256	7256	-15.816	-29.931	0.397	5.973	1.719	-3656.2
47256_7257	47256	7257	15.816	29.93	-0.397	-5.973	-5.45	3375.019
47257_7257	47257	7257	-15.294	-30.2	0.429	-1.619	5.747	-3381.24
47257_7258	47257	7258	15.293	30.2	-0.429	1.619	-8.808	3165.476
47258_7258	47258	7258	-15.015	-30.339	0.446	-5.543	8.857	-3165.47
47258_7259	47258	7259	15.016	30.339	-0.446	5.543	-11.132	3010.785
47259_7259	47259	7259	-81.455	-77.842	-2.159	-23.25	63.023	7447.32
47259_7260	47259	7260	81.455	77.842	2.159	23.25	-46.27	-8051.36
47260_7260	47260	7260	-80.904	-78.422	-1.914	0.703	46.103	8057.733
47260_7261	47260	7261	80.904	78.422	1.914	-0.703	-29.495	-8738.43
47261_7261	47261	7261	-80.905	-78.422	-1.822	10.613	29.495	8738.425
47261_7262	47261	7262	80.905	78.422	1.822	-10.613	-14.819	-9370.2
47262_7262	47262	7262	-80.915	-84.59	-1.835	-14.33	14.819	9370.378
47262_7263	47262	7263	80.915	84.59	1.835	14.33	6.433	-10350.1
47263_7263	47263	7263	-80.918	-84.59	-1.663	7.721	-6.433	10350.07
47263_7264	47263	7264	80.918	84.591	1.663	-7.721	25.51	-11320.7
47264_7264	47264	7264	-80.948	-85.535	-3.412	-24.965	-25.51	11321.43

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47264_7265	47264	7265	80.948	85.535	3.412	24.965	65.484	-12323.3
47265_7265	47265	7265	-80.96	-85.535	-3.118	19.867	-65.484	12323.28
47265_7266	47265	7266	80.96	85.535	3.118	-19.867	100.861	-13293.7
47266_7266	47266	7266	-80.918	-87.199	0.082	-25.372	-100.861	13295.06
47266_7267	47266	7267	80.918	87.199	-0.082	25.372	99.921	-14295.3
47267_7267	47267	7267	-80.917	-87.199	0.327	17.849	-99.921	14295.31
47267_7268	47267	7268	80.917	87.199	-0.327	-17.849	96.141	-15304.8
47268_7268	47268	7268	-81.083	-93.493	-6.23	-54.45	-96.141	15307.22
47268_7269	47268	7269	81.083	93.493	6.23	54.45	121.029	-15680.8
47269_7269	47269	7269	-80.259	-94.213	-6.031	-15.271	-121.171	15684.74
47269_7270	47269	7270	80.258	94.214	6.031	15.271	180.061	-16604.7
47270_7270	47270	7270	-78.784	-95.464	-5.817	31.487	-179.196	16604.7
47270_7271	47270	7271	78.784	95.463	5.817	-31.487	238.797	-17582.9
47271_7271	47271	7271	-76.99	-94.228	-2.205	-41.941	-241.653	17605.6
47271_7272	47271	7272	76.989	94.228	2.205	41.941	268.729	-18762.4
47272_7272	47272	7272	-74.868	-95.93	-1.865	42.461	-264.28	18762.51
47272_7273	47272	7273	74.868	95.93	1.865	-42.461	287.55	-19959.1
47273_7273	47273	7273	-72.966	-97.216	5.024	-42.851	-294.48	19963.33
47273_7274	47273	7274	72.966	97.216	-5.024	42.851	266.519	-20504.4
47274_7274	47274	7274	-71.634	-98.191	5.215	8.779	-262.319	20504.46
47274_7275	47274	7275	71.634	98.192	-5.215	-8.779	220.443	-21293
47275_7275	47275	7275	-1119.97	328.547	9.166	36.076	41.012	10861.66
47275_7276	47275	7276	1119.97	-328.547	-9.166	-36.076	-91.417	-9054.91
47276_7276	47276	7276	65.91	17.137	1.399	-1.144	-137.502	967.719
47276_7277	47276	7277	-65.91	-17.137	-1.399	1.144	131.909	-899.2
47277_7277	47277	7277	65.912	17.137	1.286	0.249	-131.909	906.517
47277_7278	47277	7278	-65.912	-17.137	-1.286	-0.249	118.879	-732.906
47278_7278	47278	7278	65.916	17.137	1.097	2.357	-118.879	732.902
47278_7279	47278	7279	-65.916	-17.137	-1.097	-2.357	108.764	-574.867
47279_7279	47279	7279	65.947	7.147	2.16	0.316	-108.764	574.936
47279_7280	47279	7280	-65.947	-7.147	-2.16	-0.316	83.54	-491.484
47280_7280	47280	7280	65.955	7.147	1.885	2.37	-83.54	491.479
47280_7281	47280	7281	-65.955	-7.148	-1.885	-2.37	60.577	-404.404
47281_7281	47281	7281	65.988	25.142	2.883	0.769	-60.577	370.346
47281_7282	47281	7282	-65.988	-25.142	-2.883	-0.769	24.853	-58.752
47282_7282	47282	7282	65.995	25.142	2.696	0.935	-24.853	58.75
47282_7283	47282	7283	-65.995	-25.142	-2.696	-0.935	-6.052	229.462
47283_7283	47283	7283	65.97	7.739	0.977	1.573	6.052	-229.563
47283_7284	47283	7284	-65.97	-7.739	-0.977	-1.573	-16.512	312.415
47284_7284	47284	7284	65.973	7.739	0.709	0.304	16.512	-312.42
47284_7285	47284	7285	-65.973	-7.739	-0.709	-0.304	-23.4	387.606
47285_7285	47285	7285	65.969	10.687	2.239	1.089	23.4	-387.594
47285_7286	47285	7286	-65.969	-10.688	-2.239	-1.089	-41.686	474.916
47286_7286	47286	7286	65.973	10.688	2.126	0.277	41.686	-474.917
47286_7287	47286	7287	-65.973	-10.687	-2.126	-0.277	-57.301	553.436
47287_7287	47287	7287	65.978	10.687	1.979	-0.865	57.301	-556.447
47287_7288	47287	7288	-65.978	-10.688	-1.979	0.865	-73.156	642.092
47288_7288	47288	7288	-7.871	6.472	0.986	4.856	-21.926	-2447.21
47288_7289	47288	7289	7.871	-6.472	-0.986	-4.856	9.403	2529.409
47289_7289	47289	7289	-7.963	6.353	1.013	-3.382	-8.748	-2529.41
47289_7290	47289	7290	7.963	-6.353	-1.013	3.382	-2.439	2599.521
47290_7290	47290	7290	-8.285	2.975	-0.529	4.604	1.979	-2599.93
47290_7291	47290	7291	8.285	-2.976	0.529	-4.604	1.919	2621.869

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47291_7291	47291	7291	-8.337	2.829	-0.521	2.288	-1.767	-2621.87
47291_7292	47291	7292	8.337	-2.829	0.521	-2.288	6.307	2646.512
47292_7292	47292	7292	-8.383	2.695	-0.486	-8.65	-6.108	-2648.12
47292_7293	47292	7293	8.382	-2.696	0.486	8.65	8.183	2659.628
47293_7293	47293	7293	-8.398	-0.701	0.658	4.709	-8.327	-2659.95
47293_7294	47293	7294	8.398	0.7	-0.658	-4.709	3.629	2654.945
47294_7294	47294	7294	-8.394	-0.732	0.673	-0.18	-3.611	-2654.95
47294_7295	47294	7295	8.394	0.733	-0.673	0.18	-2.179	2648.653
47295_7295	47295	7295	-8.392	-0.733	0.692	-6.063	2.179	-2646.4
47295_7296	47295	7296	8.392	0.733	-0.692	6.063	-7.065	2641.237
47296_7296	47296	7296	14.17	-44.831	1.306	10.711	-51.441	-7895.66
47296_7297	47296	7297	-14.17	44.83	-1.306	-10.711	37.092	7403.119
47297_7297	47297	7297	14.174	-44.83	1.269	-8.788	-37.092	-7403.12
47297_7298	47297	7298	-14.174	44.83	-1.269	8.788	22.637	6892.338
47298_7298	47298	7298	14.167	-38.459	0.649	13.54	-22.637	-6893.11
47298_7299	47298	7299	-14.167	38.459	-0.649	-13.54	15.356	6461.291
47299_7299	47299	7299	14.17	-38.459	0.597	-10.049	-15.356	-6461.3
47299_7300	47299	7300	-14.17	38.459	-0.597	10.049	7.833	5976.513
47300_7300	47300	7300	14.176	-40.18	0.792	10.243	-7.833	-5977.22
47300_7301	47300	7301	-14.176	40.18	-0.792	-10.243	-1.82	5487.619
47301_7301	47301	7301	14.179	-40.18	0.746	-7.571	1.82	-5487.62
47301_7302	47301	7302	-14.179	40.18	-0.746	7.571	-10.512	5019.565
47302_7302	47302	7302	14.186	-42.164	0.982	9.91	10.512	-5020.08
47302_7303	47302	7303	-14.186	42.164	-0.982	-9.91	-23.063	4481.156
47303_7303	47303	7303	14.189	-42.164	0.929	-6.812	23.063	-4481.16
47303_7304	47303	7304	-14.189	42.164	-0.929	6.812	-33.329	4015.247
47304_7304	47304	7304	14.195	-44.077	1.026	9.022	33.329	-4015.68
47304_7305	47304	7305	-14.195	44.077	-1.026	-9.022	-45.182	3506.385
47305_7305	47305	7305	14.199	-44.077	0.975	-3.43	45.182	-3506.4
47305_7306	47305	7306	-14.199	44.077	-0.975	3.43	-57.148	2965.651
47306_7306	47306	7306	14.16	-44.61	-1.679	7.626	57.148	-2965.96
47306_7307	47306	7307	-14.16	44.61	1.679	-7.626	-37.193	2435.751
47307_7307	47307	7307	14.154	-44.61	-1.736	-2.119	37.193	-2435.76
47307_7308	47307	7308	-14.154	44.61	1.736	2.119	-16.47	1903.143
47308_7308	47308	7308	14.32	-45.947	9.805	5.702	16.47	-1903.34
47308_7309	47308	7309	-14.32	45.947	-9.805	-5.702	-134.14	1351.949
47309_7309	47309	7309	14.362	-45.947	9.744	-0.003	134.14	-1351.96
47309_7310	47309	7310	-14.362	45.946	-9.744	0.003	-249.297	808.989
47310_7310	47310	7310	13.989	-64.567	-18.637	3.214	249.297	-809.049
47310_7311	47310	7311	-13.989	64.567	18.637	-3.214	0	-54.622

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1	2	3	4	5	6	7	8	9	14
7000_7000	7000	7000	0.862	108.316	0.933	0.837	0	1.008	1
7000_7001	7000	7001	89.675	-101.911	-0.933	-0.837	-9.803	685.148	1
7001_7001	7001	7001	-89.675	101.911	0.933	0.838	9.803	-685.148	1
7001_7002	7001	7002	165.971	-96.183	-0.933	-0.838	-18.569	1263.383	1
7002_7002	7002	7002	-165.996	80.578	-0.862	0.999	18.569	-1263.39	1
7002_7003	7002	7003	242.313	-73.197	0.862	-0.999	-8.139	1841.78	1
7003_7003	7003	7003	-242.317	73.197	-0.862	0.617	8.139	-1841.78	1
7003_7004	7003	7004	311.353	-65.81	0.862	-0.617	2.302	2364.996	1
7004_7004	7004	7004	-311.345	51.122	0.068	1.093	-2.302	-2365.01	1
7004_7005	7004	7005	358.415	-43.743	-0.068	-1.093	1.477	2721.745	1
7005_7005	7005	7005	-358.415	43.743	0.068	0.032	-1.477	-2721.75	1
7005_7006	7005	7006	398.184	-36.359	-0.068	-0.032	0.656	3023.149	1
7006_7006	7006	7006	-398.186	23.577	0.082	0.89	-0.656	-3023.16	1
7006_7007	7006	7007	417.929	-16.194	-0.082	-0.89	-0.331	3172.796	1
7007_7007	7007	7007	-417.929	16.194	0.081	-0.345	0.331	-3172.8	1
7007_7008	7007	7008	430.347	-8.806	-0.081	0.345	-1.316	3266.913	1
7008_7008	7008	7008	-430.35	-3.624	-0.022	0.604	1.316	-3266.93	1
7008_7009	7008	7009	423.09	11.005	0.022	-0.604	-1.048	3211.904	1
7009_7009	7009	7009	-423.09	-11.005	-0.022	-0.645	1.048	-3211.9	1
7009_7010	7009	7010	408.492	18.391	0.022	0.645	-0.778	3101.273	1
7010_7010	7010	7010	-408.495	-30.586	0.085	0.228	0.778	-3101.31	1
7010_7011	7010	7011	374.455	37.971	-0.085	-0.228	-1.805	2843.322	1
7011_7011	7011	7011	-374.454	-37.971	0.085	-0.812	1.805	-2843.32	1
7011_7012	7011	7012	333.089	45.354	-0.085	0.812	-2.829	2529.825	1
7012_7012	7012	7012	-333.094	-57.879	-0.095	-0.086	2.829	-2529.84	1
7012_7013	7012	7013	271.97	65.261	0.095	0.086	-1.678	2066.599	1
7013_7013	7013	7013	-271.97	-65.261	-0.095	-0.889	1.678	-2066.6	1
7013_7014	7013	7014	203.473	72.648	0.095	0.889	-0.522	1547.471	1
7014_7014	7014	7014	-203.474	-85.919	0.072	-0.519	0.522	-1547.49	1
7014_7015	7014	7015	85.617	95.577	-0.072	0.519	-1.656	654.272	1
7015_7015	7015	7015	-92.51	-95.163	0.049	-0.378	1.125	-669.308	1
7015_7016	7015	7016	19.59	100.166	-0.049	0.379	-1.528	154.813	1
7016_7016	7016	7016	-17.535	-115.46	-0.174	-0.347	1.519	-154.802	1
7016_7017	7016	7017	-96.024	122.514	0.174	0.333	0.527	-750.645	1.06
7017_7017	7017	7017	98.059	-122.082	-0.174	-0.214	-0.529	754.315	1.06
7017_7018	7017	7018	-194.513	130.512	0.174	0.189	2.841	-1892.31	1.03
7018_7018	7018	7018	198.495	-146.175	0.23	-0.762	-2.918	1892.273	1.03
7018_7019	7018	7019	-264.536	154.595	-0.23	0.801	0.041	-3233.41	1.02
7019_7019	7019	7019	267.895	-153.774	0.229	0.204	0.078	3233.412	1.02
7019_7020	7019	7020	-300.288	162.563	-0.229	-0.16	-2.959	-4715.75	1.02
7020_7020	7020	7020	-260.362	59.474	-0.963	-0.21	21.278	1008.285	1.02
7020_7021	7020	7021	308.46	-53.816	0.963	0.21	-12.132	-662.589	1
7021_7021	7021	7021	-287.52	53.631	-0.728	-0.003	9.543	560.516	1
7021_7022	7021	7022	324.686	-49.032	0.728	0.003	-3.906	-311.473	1
7022_7022	7022	7022	-324.693	49.032	-0.663	0.035	3.906	311.473	1
7022_7023	7022	7023	358.525	-44.433	0.663	-0.035	1.23	-84.775	1
7023_7023	7023	7023	-358.546	29.15	-0.145	-0.053	-1.23	84.749	1
7023_7024	7023	7024	378.581	-24.397	0.145	0.053	2.387	49.497	1
7024_7024	7024	7024	-378.581	24.397	-0.089	-0.058	-2.387	-49.497	1
7024_7025	7024	7025	395.039	-19.65	0.089	0.058	3.097	159.774	1
7025_7025	7025	7025	-395.039	19.65	-0.089	-0.058	-3.097	-159.774	1
7025_7026	7025	7026	407.95	-14.903	0.089	0.058	3.807	246.283	1
7026_7026	7026	7026	-407.953	-0.095	-0.079	-0.026	-3.807	-246.301	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7026_7027	7026	7027	406.9	3.659	0.079	0.026	4.279	239.244	1
7027_7027	7027	7027	-406.9	-3.659	-0.088	-0.022	-4.279	-239.244	1
7027_7028	7027	7028	403.854	7.217	0.088	0.022	4.804	218.832	1
7028_7028	7028	7028	-403.854	-7.217	0.005	-0.06	-4.804	-218.831	1
7028_7029	7028	7029	398.806	10.781	-0.005	0.06	4.775	185.003	1
7029_7029	7029	7029	-398.806	-10.781	0.005	-0.06	-4.775	-185.003	1
7029_7030	7029	7030	391.758	14.344	-0.005	0.06	4.746	137.779	1
7030_7030	7030	7030	-391.76	-29.094	0.02	-0.044	-4.746	-137.784	1
7030_7031	7030	7031	368.255	33.839	-0.02	0.044	4.59	-19.715	1
7031_7031	7031	7031	-368.255	-33.839	0.026	-0.044	-4.59	19.715	1
7031_7032	7031	7032	341.17	38.59	-0.026	0.044	4.381	-201.203	1
7032_7032	7032	7032	-341.169	-38.59	0.089	-0.02	-4.381	201.204	1
7032_7033	7032	7033	310.535	43.34	-0.089	0.02	3.671	-406.473	1
7033_7033	7033	7033	-310.521	-58.788	0.344	-0.06	-3.671	406.484	1
7033_7034	7033	7034	266.282	63.388	-0.344	0.06	1.008	-702.918	1
7034_7034	7034	7034	-266.285	-63.388	0.279	-0.146	-1.008	702.916	1
7034_7035	7034	7035	218.708	67.988	-0.279	0.146	-1.153	-1021.72	1
7035_7035	7035	7035	-244.09	-68.249	0.493	0.141	1.513	1145.575	1
7035_7036	7035	7036	184.055	73.908	-0.493	-0.141	-6.192	-1580.52	1.01
7036_7036	7036	7036	349.327	140.38	-0.06	-0.208	-0.781	5493.899	1.01
7036_7037	7036	7037	-342.877	-131.405	0.06	0.219	1.541	-4165.4	1.02
7037_7037	7037	7037	339.973	132.506	-0.061	0.294	-1.596	4165.399	1.02
7037_7038	7037	7038	-307.918	-123.849	0.061	-0.284	2.366	-2968.85	1.02
7038_7038	7038	7038	304.373	108.93	-0.072	-0.186	-2.315	2968.927	1.02
7038_7039	7038	7039	-249.797	-100.273	0.072	0.196	3.272	-1975.83	1.03
7039_7039	7039	7039	249.238	101.436	-0.075	0.373	-3.299	1966.562	1.03
7039_7040	7039	7040	-171.025	-94.358	0.075	-0.367	4.175	-1192.28	1.05
7040_7040	7040	7040	169.334	79.389	0.193	0.048	-4.155	1192.335	1.05
7040_7041	7040	7041	-116.189	-74.53	-0.193	-0.052	2.563	-779.142	1.07
7041_7041	7041	7041	126.275	74.298	0.09	0.147	-1.208	726.426	1.07
7041_7042	7041	7042	-19.178	-65.314	-0.09	-0.147	-0.181	-77.958	1
7042_7042	7042	7042	19.175	52.543	-0.02	0.123	0.181	77.957	1
7042_7043	7042	7043	38.908	-45.612	0.02	-0.123	0.056	273.735	1
7043_7043	7043	7043	-38.909	45.612	-0.021	0.083	-0.056	-273.737	1
7043_7044	7043	7044	88.782	-38.683	0.021	-0.083	0.304	575.722	1
7044_7044	7044	7044	-88.78	26.705	0.012	0.079	-0.304	-575.72	1
7044_7045	7044	7045	116.299	-19.77	-0.012	-0.079	0.157	742.345	1
7045_7045	7045	7045	-116.299	19.77	0.012	0.03	-0.157	-742.345	1
7045_7046	7045	7046	135.591	-12.842	-0.012	-0.03	0.016	859.161	1
7046_7046	7046	7046	-135.591	1.125	0.002	0.054	-0.016	-859.157	1
7046_7047	7046	7047	132.819	5.808	-0.002	-0.054	-0.01	842.374	1
7047_7047	7047	7047	-132.819	-5.808	0.001	-0.068	0.01	-842.374	1
7047_7048	7047	7048	121.841	12.74	-0.001	0.068	-0.025	775.901	1
7048_7048	7048	7048	-121.841	-24.641	-0.025	-0.038	0.025	-775.899	1
7048_7049	7048	7049	88.572	31.572	0.025	0.038	0.268	574.452	1
7049_7049	7049	7049	-88.572	-31.572	-0.025	-0.079	-0.268	-574.451	1
7049_7050	7049	7050	47.1	38.504	0.025	0.079	0.566	323.341	1
7050_7050	7050	7050	-47.097	-50.865	0.005	-0.107	-0.566	-323.336	1
7050_7051	7050	7051	-37.803	59.847	-0.005	0.107	0.49	-190.737	1.15
7051_7051	7051	7051	37.003	-59.899	0.005	-0.101	-0.574	197.203	1.15
7051_7052	7051	7052	-83.897	64.711	-0.005	0.101	0.536	-519.102	1.06
7052_7052	7052	7052	85.325	-79.376	-0.042	-0.258	-0.543	519.083	1.06
7052_7053	7052	7053	-161.431	86.262	0.042	0.254	1.041	-1145.62	1.03
7053_7053	7053	7053	150.729	-86.163	-0.06	0.073	-1.413	1211.102	1.03

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7053_7054	7053	7054	-206.098	94.267	0.06	-0.082	2.209	-2057.7	1.02
7054_7054	7054	7054	209.282	-108.819	0.105	-0.586	-2.258	2057.668	1.02
7054_7055	7054	7055	-247.586	116.84	-0.105	0.605	0.937	-3095.92	1.01
7055_7055	7055	7055	250.138	-115.858	0.104	0.319	-0.87	3095.922	1.01
7055_7056	7055	7056	-266.072	124.171	-0.104	-0.298	-0.436	-4249.26	1.01
7056_7056	7056	7056	-189.896	67.017	-0.502	-0.115	8.769	1134.07	1.01
7056_7057	7056	7057	242.501	-61.56	0.502	0.115	-3.998	-734.332	1
7057_7057	7057	7057	-240.317	61.551	-0.409	0.072	3.602	719.045	1
7057_7058	7057	7058	279.965	-57.102	0.409	-0.072	-0.434	-417.799	1
7058_7058	7058	7058	-279.97	57.102	-0.36	0.173	0.434	417.798	1
7058_7059	7058	7059	316.642	-52.654	0.36	-0.173	2.358	-139.168	1
7059_7059	7059	7059	-316.632	37.649	-0.075	0.041	-2.358	139.185	1
7059_7060	7059	7060	340.992	-33.062	0.075	-0.041	2.958	45.901	1
7060_7060	7060	7060	-340.993	33.062	-0.025	0.029	-2.958	-45.901	1
7060_7061	7060	7061	362.215	-28.47	0.025	-0.029	3.154	207.148	1
7061_7061	7061	7061	-362.215	28.47	0.023	-0.019	-3.154	-207.148	1
7061_7062	7061	7062	380.269	-23.878	-0.023	0.019	2.974	344.316	1
7062_7062	7062	7062	-380.271	9.624	-0.03	0.105	-2.974	-344.342	1
7062_7063	7062	7063	384.362	-6.178	0.03	-0.105	3.157	375.422	1
7063_7063	7063	7063	-384.362	6.178	0.032	-0.011	-3.157	-375.423	1
7063_7064	7063	7064	386.668	-2.731	-0.032	0.011	2.963	392.944	1
7064_7064	7064	7064	-386.668	2.731	0.028	-0.003	-2.963	-392.944	1
7064_7065	7064	7065	387.191	0.709	-0.028	0.003	2.795	396.914	1
7065_7065	7065	7065	-387.191	-0.709	0.032	-0.011	-2.795	-396.914	1
7065_7066	7065	7066	385.932	4.155	-0.032	0.011	2.601	387.347	1
7066_7066	7066	7066	-385.931	-18.492	0.063	0.024	-2.601	-387.334	1
7066_7067	7066	7067	371.597	23.083	-0.063	-0.024	2.097	278.421	1
7067_7067	7067	7067	-371.597	-23.083	0.063	0.024	-2.097	-278.421	1
7067_7068	7067	7068	354.097	27.673	-0.063	-0.024	1.593	145.458	1
7068_7068	7068	7068	-354.097	-27.673	0.066	0.022	-1.593	-145.458	1
7068_7069	7068	7069	333.404	32.27	-0.066	-0.022	1.064	-11.767	1
7069_7069	7069	7069	-333.372	-47.091	0.375	-0.05	-1.064	11.797	1
7069_7070	7069	7070	300.436	51.537	-0.375	0.05	-1.842	-262.044	1
7070_7070	7070	7070	-300.431	-51.537	0.424	0.013	1.842	262.044	1
7070_7071	7070	7071	264.528	55.983	-0.424	-0.013	-5.125	-534.831	1
7071_7071	7071	7071	-268.641	-56.027	0.502	0.07	6.014	560	1
7071_7072	7071	7072	221.037	61.484	-0.502	-0.07	-10.779	-926.789	1.01
7072_7072	7072	7072	252.488	129.885	-0.103	0.066	2.389	4019.256	1.01
7072_7073	7072	7073	-229.618	-121.629	0.103	-0.045	-1.099	-2820.39	1.01
7073_7073	7073	7073	226.944	122.669	-0.104	0.425	1.07	2820.39	1.01
7073_7074	7073	7074	-179.8	-114.708	0.104	-0.407	0.23	-1738.32	1.01
7074_7074	7074	7074	176.479	99.565	0.009	0.122	-0.207	1738.367	1.01
7074_7075	7074	7075	-110.895	-91.517	-0.009	-0.123	0.083	-852.54	1.03
7075_7075	7075	7075	117.484	91.589	0.005	0.233	-0.063	807.706	1.03
7075_7076	7075	7076	-32.221	-85.086	-0.005	-0.234	0.002	-145.592	1.03
7076_7076	7076	7076	30.72	71.273	0.063	0.179	0.004	145.592	1.03
7076_7077	7076	7077	22.196	-66.701	-0.063	-0.18	-0.526	210.414	1
7077_7077	7077	7077	-20.474	67.149	0.089	0.266	0.758	-215.736	1
7077_7078	7077	7078	97.095	-59.334	-0.089	-0.266	-2.007	771.192	1
7078_7078	7078	7078	-97.097	48.553	-0.028	0.317	2.007	-771.193	1
7078_7079	7078	7079	141.168	-42.294	0.028	-0.317	-1.691	1090.679	1
7079_7079	7079	7079	-141.168	42.294	-0.029	0.153	1.691	-1090.68	1
7079_7080	7079	7080	179.134	-36.042	0.029	-0.153	-1.363	1365.908	1
7080_7080	7080	7080	-179.136	25.389	-0.024	0.253	1.363	-1365.92	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7080_7081	7080	7081	200.713	-19.137	0.024	-0.253	-1.09	1522.344	1
7081_7081	7081	7081	-200.714	19.137	-0.026	-0.003	1.09	-1522.34	1
7081_7082	7081	7082	216.243	-12.88	0.026	0.003	-0.803	1634.918	1
7082_7082	7082	7082	-216.244	1.889	0.001	0.128	0.803	-1634.93	1
7082_7083	7082	7083	214.71	4.833	-0.001	-0.128	-0.817	1623.811	1
7083_7083	7083	7083	-214.71	-4.833	0	-0.114	0.817	-1623.81	1
7083_7084	7083	7084	206.173	11.554	0	0.114	-0.818	1561.922	1
7084_7084	7084	7084	-206.174	-22.455	-0.005	-0.02	0.818	-1561.93	1
7084_7085	7084	7085	181.361	28.711	0.005	0.02	-0.763	1382.057	1
7085_7085	7085	7085	-181.361	-28.711	-0.006	-0.231	0.763	-1382.06	1
7085_7086	7085	7086	150.513	34.962	0.006	0.231	-0.694	1158.425	1
7086_7086	7086	7086	-150.512	-45.438	-0.049	-0.093	0.694	-1158.42	1
7086_7087	7086	7087	103.413	51.694	0.049	0.093	-0.142	816.982	1
7087_7087	7087	7087	-103.414	-51.694	-0.052	-0.355	0.142	-816.98	1
7087_7088	7087	7088	50.253	57.949	0.052	0.355	0.436	431.598	1
7088_7088	7088	7088	-50.252	-68.664	-0.006	-0.309	-0.436	-431.598	1
7088_7089	7088	7089	-34.172	76.183	0.006	0.309	0.521	-180.419	1.08
7089_7089	7089	7089	34.69	-76.055	-0.008	-0.256	-0.471	191.112	1.08
7089_7090	7089	7090	-88.052	80.67	0.008	0.256	0.536	-619.381	1.08
7090_7090	7090	7090	89.751	-93.816	-0.079	-0.484	-0.546	619.365	1.08
7090_7091	7090	7091	-170.202	100.449	0.079	0.477	1.472	-1393.65	1.02
7091_7091	7091	7091	170.088	-99.639	-0.102	-0.034	-1.849	1406.604	1.02
7091_7092	7091	7092	-231.745	107.451	0.102	0.02	3.201	-2391.05	1.02
7092_7092	7092	7092	235.195	-121.461	0.139	-0.667	-3.263	2391.005	1.02
7092_7093	7092	7093	-275.028	129.232	-0.139	0.691	1.524	-3561.09	1.02
7093_7093	7093	7093	277.875	-128.103	0.136	0.342	-1.434	3561.096	1.02
7093_7094	7093	7094	-292.993	136.162	-0.136	-0.315	-0.28	-4848.43	1
7094_7094	7094	7094	-212.32	60.229	-0.508	-0.176	8.978	1239.382	1
7094_7095	7094	7095	258.327	-55.037	0.508	0.176	-4.149	-875.543	1
7095_7095	7095	7095	-260.091	55.205	-0.526	-0.022	4.775	884.198	1
7095_7096	7095	7096	293.093	-50.962	0.526	0.022	-0.703	-605.091	1
7096_7096	7096	7096	-293.097	50.962	-0.439	0.137	0.703	605.091	1
7096_7097	7096	7097	323.497	-46.713	0.439	-0.137	2.7	-347.988	1
7097_7097	7097	7097	-323.5	32.489	-0.053	-0.069	-2.7	347.986	1
7097_7098	7097	7098	342.944	-28.109	0.053	0.069	3.126	-183.54	1
7098_7098	7098	7098	-342.944	28.109	0.031	-0.023	-3.126	183.541	1
7098_7099	7098	7099	359.596	-23.723	-0.031	0.023	2.88	-42.712	1
7099_7099	7099	7099	-359.596	23.723	0.112	-0.012	-2.88	42.712	1
7099_7100	7099	7100	373.429	-19.338	-0.112	0.012	1.983	74.281	1
7100_7100	7100	7100	-373.43	5.75	0.008	-0.025	-1.983	-74.264	1
7100_7101	7100	7101	375.406	-2.466	-0.008	0.025	1.936	90.978	1
7101_7101	7101	7101	-375.406	2.466	0.12	-0.056	-1.936	-90.978	1
7101_7102	7101	7102	375.802	0.823	-0.12	0.056	1.217	94.327	1
7102_7102	7102	7102	-375.802	-0.823	-0.097	0.006	-1.217	-94.327	1
7102_7103	7102	7103	374.613	4.112	0.097	-0.006	1.8	84.272	1
7103_7103	7103	7103	-374.613	-4.112	0.008	-0.021	-1.8	-84.272	1
7103_7104	7103	7104	371.845	7.395	-0.008	0.021	1.753	60.863	1
7104_7104	7104	7104	-371.846	-20.921	-0.079	-0.023	-1.753	-60.878	1
7104_7105	7104	7105	356.995	25.307	0.079	0.023	2.382	-64.72	1
7105_7105	7105	7105	-356.996	-25.307	0.003	-0.007	-2.382	64.72	1
7105_7106	7105	7106	339.328	29.692	-0.003	0.007	2.359	-214.14	1
7106_7106	7106	7106	-339.328	-29.692	0	-0.009	-2.359	214.14	1
7106_7107	7106	7107	318.87	34.071	0	0.009	2.356	-387.157	1
7107_7107	7107	7107	-318.858	-48.306	0.465	-0.076	-2.356	387.165	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7107_7108	7107	7108	287.472	52.554	-0.465	0.076	-1.246	-652.606	1
7108_7108	7108	7108	-287.472	-52.554	0.465	-0.076	1.246	652.606	1
7108_7109	7108	7109	253.441	56.801	-0.465	0.076	-4.847	-940.407	1
7109_7109	7109	7109	-252.935	-56.652	0.476	0.119	4.358	937.89	1
7109_7110	7109	7110	205.98	61.839	-0.476	-0.119	-8.872	-1312.52	1.01
7110_7110	7110	7110	295.955	133.319	-0.136	-0.365	1.614	4945.893	1.01
7110_7111	7110	7111	-283.904	-125.237	0.136	0.391	0.096	-3676.91	1.01
7111_7111	7111	7111	281.112	126.374	-0.139	0.693	-0.194	3676.904	1.01
7111_7112	7111	7112	-245.429	-118.57	0.139	-0.669	1.932	-2524.41	1.01
7112_7112	7112	7112	242.038	104.688	0.03	0.034	-1.874	2524.466	1.01
7112_7113	7112	7113	-185.631	-96.848	-0.03	-0.038	1.48	-1558.53	1.03
7113_7113	7113	7113	186.101	97.708	0.022	0.439	-1.18	1543.929	1.03
7113_7114	7113	7114	-110.148	-91.225	-0.022	-0.441	0.922	-785.26	1.03
7114_7114	7114	7114	108.495	77.965	0.051	0.253	-0.912	785.284	1.03
7114_7115	7114	7115	-57.702	-73.466	-0.051	-0.254	0.494	-369.161	1.11
7115_7115	7115	7115	61.092	73.213	0.042	0.188	-0.409	331.833	1.11
7115_7116	7115	7116	29.657	-65.654	-0.042	-0.188	-0.172	249.265	1
7116_7116	7116	7116	-29.657	55.196	0	0.185	0.172	-249.268	1
7116_7117	7116	7117	84.271	-49.141	0	-0.185	-0.177	598.98	1
7117_7117	7117	7117	-84.271	49.141	0	0.118	0.177	-598.981	1
7117_7118	7117	7118	132.505	-43.092	0	-0.118	-0.172	907.842	1
7118_7118	7118	7118	-132.503	33.09	-0.01	0.094	0.172	-907.829	1
7118_7119	7118	7119	163.974	-27.036	0.01	-0.094	-0.057	1109.349	1
7119_7119	7119	7119	-163.974	27.036	-0.01	0.094	0.057	-1109.35	1
7119_7120	7119	7120	189.106	-20.981	0.01	-0.094	0.057	1270.284	1
7120_7120	7120	7120	-189.11	10.422	0	0.15	-0.057	-1270.3	1
7120_7121	7120	7121	197.172	-3.918	0	-0.15	0.057	1321.927	1
7121_7121	7121	7121	-197.172	3.918	-0.002	-0.13	-0.057	-1321.93	1
7121_7122	7121	7122	197.921	2.585	0.002	0.13	0.078	1326.725	1
7122_7122	7122	7122	-197.921	-13.042	-0.003	0.001	-0.078	-1326.73	1
7122_7123	7122	7123	181.1	19.096	0.003	-0.001	0.109	1219.016	1
7123_7123	7123	7123	-181.1	-19.096	-0.004	-0.137	-0.109	-1219.02	1
7123_7124	7123	7124	157.942	25.151	0.004	0.137	0.152	1070.728	1
7124_7124	7124	7124	-157.942	-35.318	-0.008	-0.037	-0.152	-1070.73	1
7124_7125	7124	7125	117.806	41.372	0.008	0.037	0.246	813.717	1
7125_7125	7125	7125	-117.806	-41.372	-0.01	-0.222	-0.246	-813.715	1
7125_7126	7125	7126	71.333	47.426	0.01	0.222	0.361	516.132	1
7126_7126	7126	7126	-71.335	-57.733	-0.039	-0.168	-0.361	-516.139	1
7126_7127	7126	7127	-6.303	65.048	0.039	0.168	0.883	18.992	1
7127_7127	7127	7127	6.868	-64.733	-0.036	-0.11	-0.793	-17.226	1
7127_7128	7127	7128	-59.233	69.173	0.036	0.109	1.09	-322.637	1
7128_7128	7128	7128	60.683	-82.167	-0.083	-0.19	-1.096	322.627	1
7128_7129	7128	7129	-143.396	88.51	0.083	0.183	2.066	-954.914	1.07
7129_7129	7129	7129	134.045	-88.436	-0.104	0.026	-2.537	1016.341	1.07
7129_7130	7129	7130	-195.458	96.389	0.104	-0.041	3.917	-1872.48	1.04
7130_7130	7130	7130	198.717	-111.811	0.315	-0.21	-3.943	1872.473	1.04
7130_7131	7130	7131	-242.198	119.698	-0.315	0.265	0	-2926.94	1.03
7131_7131	7131	7131	245.583	-118.203	0.314	0.067	0.025	2926.941	1.03
7131_7132	7131	7132	-260.608	125.95	-0.314	-0.007	-3.713	-4023.89	1.03
7132_7132	7132	7132	-190.94	61.715	-0.235	0.044	6.68	1038.341	1.03
7132_7133	7132	7133	244.126	-55.913	0.235	-0.044	-4.25	-644.125	1
7133_7133	7133	7133	-227.157	55.69	-0.259	-0.011	3.853	561.395	1
7133_7134	7133	7134	265.477	-51.35	0.259	0.011	-1.847	-299.897	1
7134_7134	7134	7134	-265.471	51.35	-0.349	-0.102	1.847	299.896	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7134_7135	7134	7135	300.728	-47.005	0.349	0.102	0.865	-59.303	1
7135_7135	7135	7135	-300.731	31.973	0.035	-0.002	-0.865	59.324	1
7135_7136	7135	7136	322.682	-27.499	-0.035	0.002	0.587	90.468	1
7136_7136	7136	7136	-322.681	27.499	0.079	-0.016	-0.587	-90.468	1
7136_7137	7136	7137	341.351	-23.019	-0.079	0.016	-0.046	217.866	1
7137_7137	7137	7137	-341.351	23.019	0.079	-0.016	0.046	-217.866	1
7137_7138	7137	7138	356.709	-18.54	-0.079	0.016	-0.678	322.67	1
7138_7138	7138	7138	-356.705	5.686	-0.068	0.04	0.678	-322.682	1
7138_7139	7138	7139	358.926	-2.326	0.068	-0.04	-0.268	337.836	1
7139_7139	7139	7139	-358.926	2.326	-0.01	-0.026	0.268	-337.836	1
7139_7140	7139	7140	359.284	1.033	0.01	0.026	-0.21	340.281	1
7140_7140	7140	7140	-359.284	-1.033	-0.01	-0.026	0.21	-340.281	1
7140_7141	7140	7141	357.78	4.393	0.01	0.026	-0.152	330.017	1
7141_7141	7141	7141	-357.78	-4.393	-0.01	-0.026	0.152	-330.017	1
7141_7142	7141	7142	354.414	7.753	0.01	0.026	-0.094	307.045	1
7142_7142	7142	7142	-354.414	-21.152	-0.067	0.003	0.094	-307.058	1
7142_7143	7142	7143	337.124	25.632	0.067	-0.003	0.441	189.076	1
7143_7143	7143	7143	-337.125	-25.632	-0.023	-0.025	-0.441	-189.075	1
7143_7144	7143	7144	316.524	30.112	0.023	0.025	0.623	48.5	1
7144_7144	7144	7144	-316.524	-30.112	-0.023	-0.025	-0.623	-48.5	1
7144_7145	7144	7145	292.613	34.591	0.023	0.025	0.806	-114.669	1
7145_7145	7145	7145	-292.632	-49.065	0.215	-0.02	-0.806	114.652	1
7145_7146	7145	7146	255.947	53.405	-0.215	0.02	-0.861	-364.988	1
7146_7146	7146	7146	-255.949	-53.405	0.17	-0.075	0.861	364.987	1
7146_7147	7146	7147	216.157	57.745	-0.17	0.075	-2.176	-636.529	1
7147_7147	7147	7147	-231.017	-57.929	0.218	0.073	2.238	709.009	1
7147_7148	7147	7148	180.01	63.266	-0.218	-0.073	-4.304	-1080.66	1
7148_7148	7148	7148	272.493	122.993	-0.081	-0.112	0.385	4138.672	1
7148_7149	7148	7149	-256.018	-114.803	0.081	0.128	0.632	-3002.38	1
7149_7149	7149	7149	253.503	115.919	-0.082	0.309	-0.661	3002.382	1
7149_7150	7149	7150	-213.848	-108.024	0.082	-0.294	1.687	-1980.65	1
7150_7150	7150	7150	210.685	93.471	0.015	0.015	-1.665	1980.648	1
7150_7151	7150	7151	-153.48	-85.514	-0.015	-0.018	1.462	-1149.88	1
7151_7151	7151	7151	164.39	85.705	0.011	0.119	-1.188	1080.434	1
7151_7152	7151	7152	-85.77	-78.863	-0.011	-0.12	1.053	-470.512	1
7152_7152	7152	7152	84.361	64.509	0.04	0.097	-1.049	470.499	1
7152_7153	7152	7153	-35.871	-59.722	-0.04	-0.098	0.716	-156.033	1
7153_7153	7153	7153	36.487	59.677	0.034	0.063	-0.588	150.497	1
7153_7154	7153	7154	42.723	-51.72	-0.034	-0.063	0.121	298.536	1
7154_7154	7154	7154	-42.721	40.358	0.008	0.05	-0.121	-298.536	1
7154_7155	7154	7155	85.015	-33.993	-0.008	-0.05	0.037	538.299	1
7155_7155	7155	7155	-85.015	33.993	0.008	0.05	-0.037	-538.299	1
7155_7156	7155	7156	120.068	-27.628	-0.008	-0.05	-0.047	737.009	1
7156_7156	7156	7156	-120.068	17.204	0	-0.007	0.047	-737.011	1
7156_7157	7156	7157	134.868	-11.417	0	0.007	-0.048	820.915	1
7157_7157	7157	7157	-134.868	11.417	0.001	0.047	0.048	-820.915	1
7157_7158	7157	7158	143.684	-5.631	-0.001	-0.047	-0.057	870.892	1
7158_7158	7158	7158	-143.683	-3.616	-0.001	-0.042	0.057	-870.884	1
7158_7159	7158	7159	136.941	9.408	0.001	0.042	-0.047	832.667	1
7159_7159	7159	7159	-136.941	-9.408	0	0.014	0.047	-832.667	1
7159_7160	7159	7160	124.218	15.195	0	-0.014	-0.045	760.542	1
7160_7160	7160	7160	-124.218	-25.704	-0.008	-0.064	0.045	-760.542	1
7160_7161	7160	7161	91.354	32.069	0.008	0.064	0.047	574.24	1
7161_7161	7161	7161	-91.354	-32.069	-0.008	-0.03	-0.047	-574.24	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7161_7162	7161	7162	51.249	38.435	0.008	0.03	0.13	346.885	1
7162_7162	7162	7162	-51.247	-49.937	-0.038	-0.065	-0.13	-346.889	1
7162_7163	7162	7163	-25.426	57.894	0.038	0.065	0.646	-87.768	1
7163_7163	7163	7163	25.485	-57.875	-0.041	-0.074	-0.685	89.892	1
7163_7164	7163	7164	-73.598	62.647	0.041	0.073	1.02	-391.121	1
7164_7164	7164	7164	74.97	-77.29	0.004	-0.102	-1.023	391.13	1
7164_7165	7164	7165	-154.418	84.084	-0.004	0.102	0.981	-981.177	1
7165_7165	7165	7165	149.697	-83.556	0.003	-0.037	-1.097	1016.79	1
7165_7166	7165	7166	-211.27	92.056	-0.003	0.038	1.052	-1805.02	1
7166_7166	7166	7166	214.422	-108.149	0.056	-0.204	-1.067	1804.998	1
7166_7167	7166	7167	-259.495	116.589	-0.056	0.215	0.371	-2799.68	1
7167_7167	7167	7167	261.975	-115.458	0.055	0.094	-0.349	2799.676	1
7167_7168	7167	7168	-282.213	124.241	-0.055	-0.083	-0.339	-3915.49	1
7168_7168	7168	7168	-170.502	68.187	-0.205	-0.077	4.046	1001.38	1
7168_7169	7168	7169	229.065	-62.438	0.205	0.077	-2.1	-615.151	1
7169_7169	7169	7169	-213.227	62.251	-0.136	0.051	1.67	537.936	1
7169_7170	7169	7170	258.696	-57.575	0.136	-0.051	-0.614	-255.481	1
7170_7170	7170	7170	-258.696	57.575	-0.136	0.051	0.614	255.481	1
7170_7171	7170	7171	300.616	-52.898	0.136	-0.051	0.442	4.928	1
7171_7171	7171	7171	-300.634	37.48	0.01	0.005	-0.442	-4.949	1
7171_7172	7171	7172	328.104	-32.653	-0.01	-0.005	0.359	175.599	1
7172_7172	7172	7172	-328.104	32.653	-0.019	0.029	-0.359	-175.599	1
7172_7173	7172	7173	351.794	-27.826	0.019	-0.029	0.509	322.759	1
7173_7173	7173	7173	-351.794	27.826	0.01	-0.014	-0.509	-322.759	1
7173_7174	7173	7174	371.702	-22.999	-0.01	0.014	0.427	446.428	1
7174_7174	7174	7174	-371.703	8.36	0.012	-0.024	-0.427	-446.443	1
7174_7175	7174	7175	375.552	-4.74	-0.012	0.024	0.356	470.351	1
7175_7175	7175	7175	-375.552	4.74	-0.027	0.059	-0.356	-470.351	1
7175_7176	7175	7176	377.273	-1.12	0.027	-0.059	0.517	481.045	1
7176_7176	7176	7176	-377.274	1.12	0.012	-0.026	-0.517	-481.046	1
7176_7177	7176	7177	376.868	2.5	-0.012	0.026	0.447	478.527	1
7177_7177	7177	7177	-376.868	-2.5	0.012	-0.026	-0.447	-478.527	1
7177_7178	7177	7178	374.336	6.12	-0.012	0.026	0.376	462.795	1
7178_7178	7178	7178	-374.338	-20.86	0.018	-0.035	-0.376	-462.81	1
7178_7179	7178	7179	356.106	25.687	-0.018	0.035	0.228	349.55	1
7179_7179	7179	7179	-356.106	-25.687	-0.01	0.012	-0.228	-349.55	1
7179_7180	7179	7180	334.092	30.514	0.01	-0.012	0.312	212.798	1
7180_7180	7180	7180	-334.092	-30.514	0.018	-0.017	-0.312	-212.798	1
7180_7181	7180	7181	308.297	35.341	-0.018	0.017	0.164	52.557	1
7181_7181	7181	7181	-308.316	-50.757	0.165	-0.01	-0.164	-52.576	1
7181_7182	7181	7182	268.021	55.433	-0.165	0.01	-1.117	-197.739	1
7182_7182	7182	7182	-268.021	-55.433	0.165	-0.01	1.117	197.739	1
7182_7183	7182	7183	224.177	60.109	-0.165	0.01	-2.398	-470.099	1
7183_7183	7183	7183	-235.942	-60.216	0.156	-0.044	2.7	527.413	1
7183_7184	7183	7184	178.489	65.958	-0.156	0.044	-4.182	-896.941	1.02
7184_7184	7184	7184	281.251	127.706	-0.057	0.25	0.701	3776.486	1.02
7184_7185	7184	7185	-256.031	-118.973	0.057	-0.237	0.017	-2645.19	1.03
7185_7185	7185	7185	253.502	120.156	-0.056	-0.063	0.005	2645.187	1.03
7185_7186	7185	7186	-201.697	-111.793	0.056	0.074	0.702	-1635.22	1.04
7186_7186	7186	7186	198.475	95.677	-0.013	0.113	-0.71	1635.219	1.04
7186_7187	7186	7187	-128.486	-87.251	0.013	-0.111	0.882	-828.766	1.08
7187_7187	7187	7187	131.758	87.766	-0.011	0.044	-0.784	800.633	1.08
7187_7188	7187	7188	-44.947	-80.535	0.011	-0.043	0.913	-195.603	1.08
7188_7188	7188	7188	43.524	64.971	0.037	0.089	-0.912	195.602	1.08

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7188_7189	7188	7189	7.729	-59.864	-0.037	-0.09	0.609	112.287	1
7189_7189	7189	7189	-8.638	60.115	0.034	0.085	-0.552	-112.617	1
7189_7190	7189	7190	87.104	-51.542	-0.034	-0.085	0.083	578.045	1
7190_7190	7190	7190	-87.103	39.085	0.015	0.066	-0.083	-578.045	1
7190_7191	7190	7191	127.194	-32.226	-0.015	-0.066	-0.085	815.845	1
7191_7191	7191	7191	-127.194	32.226	0.015	0.066	0.085	-815.845	1
7191_7192	7191	7192	159.573	-25.367	-0.015	-0.066	-0.254	1007.902	1
7192_7192	7192	7192	-159.571	13.843	-0.014	0.018	0.254	-1007.9	1
7192_7193	7192	7193	170.519	-7.62	0.014	-0.018	-0.112	1072.839	1
7193_7193	7193	7193	-170.519	7.62	-0.014	0.018	0.112	-1072.84	1
7193_7194	7193	7194	175.12	-1.391	0.014	-0.018	0.03	1100.131	1
7194_7194	7194	7194	-175.122	-8.849	-0.008	0.004	-0.03	-1100.14	1
7194_7195	7194	7195	162.906	15.078	0.008	-0.004	0.109	1027.679	1
7195_7195	7195	7195	-162.906	-15.078	-0.009	-0.068	-0.109	-1027.68	1
7195_7196	7195	7196	144.329	21.307	0.009	0.068	0.196	917.488	1
7196_7196	7196	7196	-144.328	-32.813	-0.019	-0.079	-0.196	-917.495	1
7196_7197	7196	7197	103.577	39.672	0.019	0.079	0.403	675.778	1
7197_7197	7197	7197	-103.577	-39.672	-0.019	-0.079	-0.403	-675.778	1
7197_7198	7197	7198	55.114	46.531	0.019	0.079	0.61	388.319	1
7198_7198	7198	7198	-55.109	-59.138	-0.057	-0.1	-0.61	-388.324	1
7198_7199	7198	7199	-33.965	67.705	0.057	0.1	1.397	-140.021	1.03
7199_7199	7199	7199	33.802	-67.608	-0.061	-0.114	-1.475	134.009	1.03
7199_7200	7199	7200	-89.741	72.713	0.061	0.112	1.979	-476.934	1.03
7200_7200	7200	7200	91.314	-88.583	0.014	-0.055	-1.981	476.938	1.03
7200_7201	7200	7201	-181.988	95.75	-0.014	0.056	1.821	-1136.97	1.03
7201_7201	7201	7201	171.603	-95.336	0.022	-0.147	-2.803	1209.144	1.03
7201_7202	7201	7202	-239.647	104.356	-0.022	0.151	2.511	-2106.49	1.02
7202_7202	7202	7202	243.137	-120.902	0.062	0.086	-2.501	2106.48	1.02
7202_7203	7202	7203	-292.114	129.82	-0.062	-0.072	1.721	-3214.91	1.01
7203_7203	7203	7203	294.856	-128.407	0.063	-0.228	-1.754	3214.911	1.01
7203_7204	7203	7204	-317.318	137.736	-0.063	0.243	0.958	-4448.13	1.01
7204_7204	7204	7204	-176.499	74.822	-0.274	0.042	5.087	1200.645	1.01
7204_7205	7204	7205	238.719	-68.599	0.274	-0.042	-2.48	-775.889	1
7205_7205	7205	7205	-225.072	68.427	-0.276	0.018	2.14	680.686	1
7205_7206	7205	7206	273.239	-63.363	0.276	-0.018	-0.004	-362.661	1
7206_7206	7206	7206	-273.242	63.363	-0.233	0.068	0.004	362.66	1
7206_7207	7206	7207	317.707	-58.299	0.233	-0.068	1.805	-69.077	1
7207_7207	7207	7207	-317.728	41.515	-0.039	0.014	-1.805	69.074	1
7207_7208	7207	7208	347.081	-36.288	0.039	-0.014	2.115	124.728	1
7208_7208	7208	7208	-347.081	36.288	-0.039	0.014	-2.115	-124.728	1
7208_7209	7208	7209	372.489	-31.06	0.039	-0.014	2.425	292.489	1
7209_7209	7209	7209	-372.489	31.06	-0.08	0.053	-2.425	-292.489	1
7209_7210	7209	7210	393.953	-25.833	0.08	-0.053	3.062	434.208	1
7210_7210	7210	7210	-393.961	9.308	0.035	0.001	-3.062	-434.206	1
7210_7211	7210	7211	398.12	-5.387	-0.035	-0.001	2.854	461.66	1
7211_7211	7211	7211	-398.12	5.387	0.035	0.001	-2.854	-461.66	1
7211_7212	7211	7212	400.059	-1.467	-0.035	-0.001	2.646	474.465	1
7212_7212	7212	7212	-400.059	1.467	-0.02	0.086	-2.646	-474.464	1
7212_7213	7212	7213	399.78	2.454	0.02	-0.086	2.765	472.621	1
7213_7213	7213	7213	-399.78	-2.454	0.035	0.001	-2.765	-472.622	1
7213_7214	7213	7214	397.282	6.374	-0.035	-0.001	2.558	456.129	1
7214_7214	7214	7214	-397.293	-23.139	0.133	-0.003	-2.558	-456.128	1
7214_7215	7214	7215	377.861	28.366	-0.133	0.003	1.491	327.83	1
7215_7215	7215	7215	-377.861	-28.366	0.133	-0.003	-1.491	-327.83	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7215_7216	7215	7216	354.485	33.594	-0.133	0.003	0.425	173.49	1
7216_7216	7216	7216	-354.487	-33.594	0.092	0.02	-0.425	-173.489	1
7216_7217	7216	7217	327.166	38.821	-0.092	-0.02	-0.315	-6.895	1
7217_7217	7217	7217	-327.178	-55.579	0.191	-0.315	0.315	6.858	1
7217_7218	7217	7218	284.701	60.643	-0.191	0.315	-1.794	-287.316	1
7218_7218	7218	7218	-284.701	-60.643	0.191	-0.315	1.794	287.316	1
7218_7219	7218	7219	238.522	65.707	-0.191	0.315	-3.273	-592.213	1
7219_7219	7219	7219	-246.612	-65.783	0.505	0.499	3.328	661.652	1
7219_7220	7219	7220	185.73	71.997	-0.505	-0.499	-8.125	-1065.12	1
7220_7220	7220	7220	309.789	138.042	-0.001	-0.473	0.801	4243.932	1
7220_7221	7220	7221	-283.824	-128.792	0.001	0.473	-0.791	-3025.85	1
7221_7221	7221	7221	281.092	130.108	-0.003	0.837	0.688	3025.85	1
7221_7222	7221	7222	-227.743	-121.287	0.003	-0.836	-0.645	-1931.15	1.01
7222_7222	7222	7222	224.305	104.744	0.031	0.002	0.702	1931.34	1.01
7222_7223	7222	7223	-151.431	-95.815	-0.031	-0.008	-1.109	-1044.79	1.01
7223_7223	7223	7223	160.149	96.093	0.018	0.23	0.713	982.223	1.01
7223_7224	7223	7224	-66.221	-88.28	-0.018	-0.232	-0.928	-332.912	1.03
7224_7224	7224	7224	64.639	70.443	0.007	0.125	0.933	332.93	1.03
7224_7225	7224	7225	-9.411	-64.848	-0.007	-0.125	-0.995	-6.607	1
7225_7225	7225	7225	9.019	65.224	0.006	0.16	1.048	7.057	1
7225_7226	7225	7226	77.573	-54.934	-0.006	-0.16	-1.135	545.846	1
7226_7226	7226	7226	-77.575	39.75	0.014	0.238	1.135	-545.871	1
7226_7227	7226	7227	117.575	-31.763	-0.014	-0.238	-1.297	801.279	1
7227_7227	7227	7227	-117.575	31.763	0.012	-0.098	1.297	-801.281	1
7227_7228	7227	7228	148.621	-23.782	-0.012	0.098	-1.437	999.516	1
7228_7228	7228	7228	-148.616	8.433	-0.025	0.242	1.437	-999.495	1
7228_7229	7228	7229	153.582	-0.451	0.025	-0.242	-1.147	1031.205	1
7229_7229	7229	7229	-153.584	0.451	-0.027	-0.294	1.147	-1031.2	1
7229_7230	7229	7230	149.625	7.532	0.027	0.294	-0.83	1005.926	1
7230_7230	7230	7230	-149.62	-23.438	0.016	0.062	0.83	-1005.84	1
7230_7231	7230	7231	117.421	31.767	-0.016	-0.062	-1.021	800.236	1
7231_7231	7231	7231	-117.419	-31.767	0.013	-0.332	1.021	-800.232	1
7231_7232	7231	7232	75.455	40.104	-0.013	0.332	-1.184	532.285	1
7232_7232	7232	7232	-75.453	-56.598	0.038	-0.018	1.184	-532.219	1
7232_7233	7232	7233	58.439	58.705	-0.038	0.018	-1.301	423.586	1.03
7233_7233	7233	7233	-57.844	-58.805	0.058	-0.086	2.04	-424.633	1.03
7233_7234	7233	7234	22.697	62.874	-0.058	0.087	-2.387	202.083	1.03
7234_7234	7234	7234	-21.959	-62.836	0.057	-0.142	2.385	-202.082	1.03
7234_7235	7234	7235	-29.221	68.49	-0.057	0.146	-2.863	-137.737	1.03
7235_7235	7235	7235	29.992	-68.202	0.056	-0.163	2.861	137.739	1.03
7235_7236	7235	7236	-63.212	71.998	-0.056	0.167	-3.176	-387.012	1.03
7236_7236	7236	7236	57.556	-91.433	-0.167	-0.475	4.994	419.726	1.03
7236_7237	7236	7237	-117.874	98.943	0.167	0.451	-3.204	-1129.06	1.01
7237_7237	7237	7237	119.557	-98.175	-0.17	0.081	3.238	1129.063	1.01
7237_7238	7237	7238	-159.815	105.411	0.17	-0.108	-1.617	-1822.85	1.01
7238_7238	7238	7238	162.276	-114.649	-0.26	-1.387	1.49	1822.35	1.01
7238_7239	7238	7239	-194.64	121.967	0.26	1.339	0.955	-2638.62	1.01
7239_7239	7239	7239	194.519	-122.307	-0.263	-0.03	-0.839	2638.631	1.01
7239_7240	7239	7240	-223.694	130.472	0.263	-0.018	3.589	-3616.63	1
7240_7240	7240	7240	-258.288	80.008	-0.451	0.348	8.284	748.689	1
7240_7241	7240	7241	307.466	-74.294	0.451	-0.348	-4.797	-348.943	1
7241_7241	7241	7241	-301.691	74.204	-0.241	0.562	4.325	321.003	1
7241_7242	7241	7242	352.713	-67.888	0.241	-0.562	-2.266	82.742	1
7242_7242	7242	7242	-352.716	67.888	-0.14	0.531	2.266	-82.748	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7242_7243	7242	7243	397.391	-61.83	0.14	-0.531	-1.118	436.268	1
7243_7243	7243	7243	-397.215	44.067	-0.544	0.287	1.118	-436.283	1
7243_7244	7243	7244	431.518	-36.586	0.544	-0.287	4.398	707.735	1
7244_7244	7244	7244	-431.527	36.586	-0.429	-0.012	-4.398	-707.736	1
7244_7245	7244	7245	457.89	-29.577	0.429	0.012	8.473	916.351	1
7245_7245	7245	7245	-457.864	15.577	-0.27	0.318	-8.473	-916.128	1
7245_7246	7245	7246	468.071	-7.944	0.27	-0.318	11.262	996.903	1
7246_7246	7246	7246	-468.075	7.944	-0.147	-0.132	-11.262	-996.904	1
7246_7247	7246	7247	471.595	-1.095	0.147	0.132	12.621	1024.756	1
7247_7247	7247	7247	-471.635	-15.81	0.209	0.499	-12.621	-1024.56	1
7247_7248	7247	7248	456.441	22.742	-0.209	-0.499	10.66	904.322	1
7248_7248	7248	7248	-456.433	-22.742	0.406	-0.157	-10.66	-904.326	1
7248_7249	7248	7249	433.641	30.3	-0.406	0.157	6.502	723.969	1
7249_7249	7249	7249	-433.678	-43.895	0.824	0.113	-6.502	-723.856	1
7249_7250	7249	7250	393.78	51.269	-0.824	-0.113	-1.726	408.141	1
7250_7250	7250	7250	-393.764	-51.269	0.953	-0.081	1.726	-408.141	1
7250_7251	7250	7251	349.447	58.378	-0.953	0.081	-10.907	57.457	1
7251_7251	7251	7251	-349.103	-74.224	-1.14	-2.621	10.907	-57.806	1
7251_7252	7251	7252	298.947	79.946	1.14	2.621	-2.072	-339.085	1
7252_7252	7252	7252	-299.28	-79.902	-0.881	-2.379	1.953	340.626	1
7252_7253	7252	7253	232.251	86.907	0.881	2.379	6.41	-864.433	1.01
7253_7253	7253	7253	224.202	133.901	-2.048	6.69	-7.298	3559.782	1.01
7253_7254	7253	7254	-206.809	-128.113	2.048	-6.355	22.223	-2850.73	1.01
7254_7254	7254	7254	202.996	113.002	1.108	-0.922	-21.495	2849.711	1.01
7254_7255	7254	7255	-170.472	-103.928	-1.108	0.657	8.628	-1926.27	1.02
7255_7255	7255	7255	168.597	104.657	1.107	0.427	-8.69	1926.261	1.02
7255_7256	7255	7256	-125.869	-97.032	-1.107	-0.621	-2.441	-1206.25	1.03
7256_7256	7256	7256	123.723	82.776	0.064	0.021	2.476	1206.173	1.03
7256_7257	7256	7257	-81.524	-75.775	-0.064	-0.029	-3.079	-689.595	1.05
7257_7257	7257	7257	91.794	75.082	0.04	0.087	1.938	628.149	1.05
7257_7258	7257	7258	-48.826	-69.998	-0.04	-0.09	-2.227	-304.452	1.05
7258_7258	7258	7258	48.141	70.22	0.04	0.094	2.227	304.451	1.05
7258_7259	7258	7259	-15.972	-66.577	-0.04	-0.096	-2.432	-90.477	1.05
7259_7259	7259	7259	15.138	48.423	-0.026	0.138	2.433	90.483	1.05
7259_7260	7259	7260	19.14	-42.459	0.026	-0.138	-2.229	123.92	1
7260_7260	7260	7260	-20.068	42.3	-0.019	0.087	1.644	-115.979	1
7260_7261	7260	7261	54.234	-35.604	0.019	-0.087	-1.475	308.756	1
7261_7261	7261	7261	-54.235	35.604	-0.02	0.054	1.475	-308.757	1
7261_7262	7261	7262	80.69	-29.389	0.02	-0.054	-1.317	458.026	1
7262_7262	7262	7262	-80.69	9.971	0.024	0.097	1.317	-458.037	1
7262_7263	7262	7263	87.131	-1.037	-0.024	-0.097	-1.596	494.382	1
7263_7263	7263	7263	-87.131	1.037	0.024	0	1.596	-494.383	1
7263_7264	7263	7264	83.201	7.815	-0.024	0	-1.872	472.211	1
7264_7264	7264	7264	-83.211	-25.437	-0.027	-0.024	1.872	-472.227	1
7264_7265	7264	7265	47.756	34.473	0.027	0.024	-1.557	272.182	1
7265_7265	7265	7265	-47.757	-34.473	-0.027	-0.116	1.557	-272.179	1
7265_7266	7265	7266	3.22	43.224	0.027	0.116	-1.251	20.885	1
7266_7266	7266	7266	-3.206	-61.399	0.006	-0.272	1.251	-20.834	1
7266_7267	7266	7267	-73.095	70.248	-0.006	0.272	-1.318	-409.678	1
7267_7267	7267	7267	73.096	-70.248	0.006	-0.158	1.318	409.685	1
7267_7268	7267	7268	-160.504	79.179	-0.006	0.158	-1.385	-902.867	1
7268_7268	7268	7268	160.512	-101.033	-0.032	-0.608	1.385	902.991	1
7268_7269	7268	7269	-201.925	104.115	0.032	0.608	-1.259	-1136.66	1.07
7269_7269	7269	7269	192.629	-103.84	-0.043	-0.48	1.684	1237.867	1.07

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7269_7270	7269	7270	-284.883	111.339	0.043	0.479	-1.268	-1899.69	1.04
7270_7270	7270	7270	286.707	-109.514	-0.043	0.04	1.276	1899.693	1.04
7270_7271	7270	7271	-365.696	117.453	0.043	-0.044	-0.838	-2665.97	1.04
7271_7271	7271	7271	329.468	-137.665	-0.639	-1.949	1.229	2908.783	1.04
7271_7272	7271	7272	-398.239	147.813	0.639	1.842	6.61	-4188.3	1.03
7272_7272	7272	7272	401.307	-145.801	-0.639	1.499	-6.432	4188.317	1.03
7272_7273	7272	7273	-434.137	156.697	0.639	-1.643	14.401	-5622.47	1.03
7273_7273	7273	7273	437.524	-158.45	1.611	-4.028	-14.87	5623.939	1.03
7273_7274	7273	7274	-443.507	163.471	-1.611	4.21	5.907	-6319.04	1.03
7274_7274	7274	7274	445.428	-162.663	1.611	-1.454	-5.705	6319.088	1.03
7274_7275	7274	7275	-446.363	170.027	-1.611	1.733	-7.227	-7370	1.02
7275_7275	7275	7275	-240.202	118.902	1.243	3.774	14.7	2195.206	1.02
7275_7276	7275	7276	294.414	-114.603	-1.243	-3.774	-21.537	-1765.25	1
7276_7276	7276	7276	-294.918	94.521	-1.491	-0.793	21.537	1766.01	1
7276_7277	7276	7277	326.286	-91.31	1.491	0.793	-15.577	-1517.23	1
7277_7277	7277	7277	-301.678	91.163	-1.232	-0.114	13.958	1426.768	1
7277_7278	7277	7278	377.909	-83.039	1.232	0.114	-1.477	-849.312	1
7278_7278	7278	7278	-377.936	83.039	-1.058	0.29	1.477	849.31	1
7278_7279	7278	7279	441.146	-75.644	1.058	-0.29	8.276	-370.491	1
7279_7279	7279	7279	-441.126	53.907	-0.689	0.094	-8.276	370.53	1
7279_7280	7279	7280	490.777	-44.545	0.689	-0.094	16.32	5.579	1
7280_7280	7280	7280	-490.796	44.545	-0.436	0.09	-16.32	-5.581	1
7280_7281	7280	7281	532.536	-34.776	0.436	-0.09	21.625	321.766	1
7281_7281	7281	7281	-584.279	17.162	2.087	0.108	-65.654	-80.234	1
7281_7282	7281	7282	595.989	-10.318	-2.087	-0.108	39.789	203.677	1
7282_7282	7282	7282	-595.968	10.318	2.607	-0.049	-39.789	-203.677	1
7282_7283	7282	7283	601.607	-3.987	-2.607	0.049	9.898	263.113	1
7283_7283	7283	7283	-601.904	-22.143	-1.678	0.095	-9.898	-263.168	1
7283_7284	7283	7284	583.424	28.056	1.678	-0.095	27.866	68.364	1
7284_7284	7284	7284	-583.441	-28.056	-0.93	0.019	-27.866	-68.365	1
7284_7285	7284	7285	562.903	33.422	0.93	-0.019	36.899	-148.132	1
7285_7285	7285	7285	-562.972	-54.581	3.89	-1.428	-36.899	148.101	1
7285_7286	7285	7286	531.038	59.093	-3.89	1.428	5.117	-484.734	1
7286_7286	7286	7286	-531.016	-59.093	4.205	-1.202	-5.117	484.742	1
7286_7287	7286	7287	500.137	63.15	-4.205	1.202	-25.774	-810.256	1
7287_7287	7287	7287	-517.499	-63.229	4.702	-0.583	26.264	849.651	1
7287_7288	7287	7288	482.211	67.66	-4.702	0.583	-63.947	-1236.03	1.02
7288_7288	7288	7288	296.082	214.205	-0.847	-0.76	-6.011	6443.219	1.02
7288_7289	7288	7289	-248.078	-206.265	0.847	0.883	16.771	-4317.53	1.02
7289_7289	7289	7289	245.382	206.872	-0.856	3.516	-17.149	4317.496	1.02
7289_7290	7289	7290	-180.13	-200.087	0.856	-3.415	26.595	-2569.45	1.03
7290_7290	7290	7290	175.097	175.159	0.726	-0.215	-26.233	2569.948	1.03
7290_7291	7290	7291	-124.454	-170.792	-0.726	0.172	20.88	-1596.3	1.05
7291_7291	7291	7291	121.564	171.452	0.723	0.615	-20.895	1596.297	1.05
7291_7292	7291	7292	-49.501	-166.425	-0.723	-0.649	14.594	-491.932	1.14
7292_7292	7292	7292	52.271	165.459	0.48	0.789	-9.833	456.663	1.14
7292_7293	7292	7293	-7.813	-163.079	-0.48	-0.795	7.783	30.034	1
7293_7293	7293	7293	5.967	146.06	0.06	0.766	-7.768	-30.024	1
7293_7294	7293	7294	60.696	-142.099	-0.06	-0.766	7.34	741.625	1
7294_7294	7294	7294	-61.221	142.089	0.057	0.543	-7.335	-741.632	1
7294_7295	7294	7295	139.042	-137.326	-0.057	-0.543	6.849	1572.891	1
7295_7295	7295	7295	-118.277	138.423	0.08	-0.177	-10.486	-1690.02	1
7295_7296	7295	7296	171.581	-134.484	-0.08	0.177	9.921	2399.162	1
7296_7296	7296	7296	-171.596	112.245	0.181	2.244	-9.921	-2399.45	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7296_7297	7296	7297	237.983	-105.94	-0.181	-2.244	7.93	3282.672	1
7297_7297	7297	7297	-237.982	105.94	0.174	-0.281	-7.93	-3282.68	1
7297_7298	7297	7298	302.777	-99.402	-0.174	0.281	5.949	4144.702	1
7298_7298	7298	7298	-302.814	76.788	0.11	3.632	-5.949	-4145.18	1
7298_7299	7298	7299	348.566	-70.345	-0.11	-3.632	4.716	4753.863	1
7299_7299	7299	7299	-348.566	70.345	0.1	-1.438	-4.716	-4753.88	1
7299_7300	7299	7300	395.156	-63.111	-0.1	1.438	3.46	5373.7	1
7300_7300	7300	7300	-395.197	40.405	0.134	3.358	-3.46	-5374.31	1
7300_7301	7300	7301	420.108	-33.412	-0.134	-3.358	1.832	5705.72	1
7301_7301	7301	7301	-420.107	33.412	0.124	-2.052	-1.832	-5705.73	1
7301_7302	7301	7302	439.51	-26.728	-0.124	2.052	0.382	5963.854	1
7302_7302	7302	7302	-439.554	3.577	0.08	3.431	-0.382	-5964.44	1
7302_7303	7302	7303	439.49	3.757	-0.08	-3.431	-0.644	5963.588	1
7303_7303	7303	7303	-439.49	-3.757	0.07	-3.069	0.644	-5963.59	1
7303_7304	7303	7304	435.249	10.098	-0.07	3.069	-1.415	5907.179	1
7304_7304	7304	7304	-435.303	-34.33	-0.006	2.992	1.415	-5907.83	1
7304_7305	7304	7305	411.209	40.961	0.006	-2.992	-1.345	5587.294	1
7305_7305	7305	7305	-411.21	-40.961	-0.016	-2.804	1.345	-5587.3	1
7305_7306	7305	7306	380.984	48.001	0.016	2.804	-1.148	5185.174	1
7306_7306	7306	7306	-381.026	-73.685	-0.162	2.251	1.148	-5185.66	1
7306_7307	7306	7307	330.272	80.506	0.162	-2.251	0.778	4510.432	1
7307_7307	7307	7307	-330.274	-80.506	-0.173	-3.02	-0.778	-4510.43	1
7307_7308	7307	7308	274.768	87.357	0.173	3.02	2.847	3771.983	1
7308_7308	7308	7308	-274.699	-118.671	1.692	0.978	-2.847	-3772.26	1
7308_7309	7308	7309	193.527	125.558	-1.692	-0.978	-17.452	2692.357	1
7309_7309	7309	7309	-193.504	-125.558	1.68	-2.341	17.452	-2692.35	1
7309_7310	7309	7310	109.099	132.339	-1.68	2.341	-37.3	1569.42	1
7310_7310	7310	7310	-109.286	-158.925	-2.789	-1.007	37.3	-1569.49	1
7310_7311	7310	7311	-11.307	166.601	2.789	1.007	0	-34.872	1
7400_7020	7400	7020	636.73	-77.879	33.916	0.55	-176.262	-1287.08	1.02
7400_7401	7400	7401	-636.73	77.879	-33.916	-0.55	37.563	968.6	1
7401_7401	7401	7401	636.115	-74.822	4.485	0.489	-37.939	-968.615	1
7401_7402	7401	7402	-636.115	74.822	-4.485	-0.489	22.288	707.521	1
7402_7402	7402	7402	637.735	-59.538	3.246	-0.391	-22.684	-707.508	1
7402_7403	7402	7403	-637.735	59.538	-3.246	0.391	-12.773	57.079	1
7403_7403	7403	7403	634.333	-39.435	-0.444	-0.105	11.598	-57.09	1
7403_7404	7403	7404	-634.333	39.435	0.444	0.105	-8.396	-227.162	1
7404_7404	7404	7404	635.079	-24.659	-0.832	-0.16	8.441	227.16	1
7404_7405	7404	7405	-635.079	24.659	0.832	0.16	-2.439	-404.99	1
7405_7405	7405	7405	633.052	-2.232	-0.068	-0.071	2.129	404.989	1
7405_7406	7405	7406	-633.052	2.232	0.068	0.071	-1.147	-437.153	1
7406_7406	7406	7406	632.112	20.222	-0.021	-0.05	1.226	437.154	1
7406_7407	7406	7407	-632.112	-20.222	0.021	0.05	-1.043	-257.982	1
7407_7407	7407	7407	631.549	33.457	-0.081	-0.048	1.053	257.982	1
7407_7408	7407	7408	-631.549	-33.457	0.081	0.048	-0.603	-72.082	1
7408_7408	7408	7408	626.128	-99.329	-0.428	-0.584	0.57	72.084	1
7408_7409	7408	7409	-626.128	99.329	0.428	0.584	0.723	-371.996	1
7409_7409	7409	7409	625.519	97.351	-0.753	0.415	-0.684	372.046	1
7409_7410	7409	7410	-625.519	-97.351	0.753	-0.415	2.965	-77.163	1
7410_7410	7410	7410	633.353	-35.939	0.466	-0.136	-2.538	77.163	1
7410_7411	7410	7411	-633.353	35.939	-0.466	0.136	-0.049	-276.825	1
7411_7411	7411	7411	633.966	-22.676	0.244	-0.042	0.004	276.825	1
7411_7412	7411	7412	-633.966	22.676	-0.244	0.042	-2.164	-477.699	1
7412_7412	7412	7412	637.754	-0.079	0.061	-0.061	2.3	477.7	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7412_7413	7412	7413	-637.754	0.079	-0.061	0.061	-3.175	-478.839	1
7413_7413	7413	7413	642.172	22.501	-0.136	0.152	3.488	478.847	1
7413_7414	7413	7414	-642.172	-22.501	0.136	-0.152	-2.506	-316.479	1
7414_7414	7414	7414	641.491	37.158	0.379	-0.164	2.594	316.479	1
7414_7415	7414	7415	-641.491	-37.158	-0.379	0.164	-5.322	-48.828	1
7415_7415	7415	7415	646.793	57.64	0.013	-0.057	6.467	48.834	1
7415_7416	7415	7416	-646.793	-57.64	-0.013	0.057	-6.604	580.769	1
7416_7416	7416	7416	645.244	72.963	0.504	0.243	6.478	-580.771	1
7416_7417	7416	7417	-645.244	-72.963	-0.504	-0.243	-8.235	835.077	1
7417_7417	7417	7417	645.93	76.223	-18.337	-0.179	10.055	-835.064	1
7417_7036	7417	7036	-645.93	-76.223	18.337	0.179	65.032	1147.194	1.01
7420_7056	7420	7056	546.481	-70.771	26.038	0.337	-103.033	-1226.89	1.01
7420_7421	7420	7421	-546.481	70.771	-26.038	-0.337	-3.618	937.011	1
7421_7421	7421	7421	545.754	-67.896	0.542	0.363	1.619	-937.002	1
7421_7422	7421	7422	-545.754	67.896	-0.542	-0.363	-3.51	700.219	1
7422_7422	7422	7422	547.226	-54.788	0.177	-0.203	3.376	-700.22	1
7422_7423	7422	7423	-547.226	54.788	-0.177	0.203	-5.308	101.998	1
7423_7423	7423	7423	543.344	-37.755	0.013	-0.059	4.408	-101.994	1
7423_7424	7423	7424	-543.344	37.755	-0.013	0.059	-4.499	-170.403	1
7424_7424	7424	7424	544.086	-24.864	-0.403	-0.033	4.543	170.401	1
7424_7425	7424	7425	-544.086	24.864	0.403	0.033	-1.638	-349.644	1
7425_7425	7425	7425	541.866	-5.794	-0.091	-0.007	1.538	349.642	1
7425_7426	7425	7426	-541.866	5.794	0.091	0.007	-0.219	-433.139	1
7426_7426	7426	7426	540.473	13.641	0.197	-0.072	0.332	433.14	1
7426_7427	7426	7427	-540.473	-13.641	-0.197	0.072	-2.077	-312.363	1
7427_7427	7427	7427	540.082	24.666	-0.265	0.147	2.195	312.362	1
7427_7428	7427	7428	-540.082	-24.666	0.265	-0.147	-0.724	-175.232	1
7428_7428	7428	7428	534.134	-89.066	-1.39	-0.597	0.938	175.236	1
7428_7429	7428	7429	-534.134	89.066	1.39	0.597	3.273	-445.066	1
7429_7429	7429	7429	534.389	89.392	-1.539	0.544	-3.262	445.379	1
7429_7430	7429	7430	-534.389	-89.392	1.539	-0.544	7.909	-175.434	1
7430_7430	7430	7430	541.401	-23.995	1.092	-0.279	-7.016	175.435	1
7430_7431	7430	7431	-541.401	23.995	-1.092	0.279	0.943	-308.834	1
7431_7431	7431	7431	541.778	-12.977	0.321	0.175	-1.138	308.834	1
7431_7432	7431	7432	-541.778	12.977	-0.321	-0.175	-1.706	-423.717	1
7432_7432	7432	7432	544.126	6.556	-0.048	0.03	1.917	423.724	1
7432_7433	7432	7433	-544.126	-6.556	0.048	-0.03	-1.223	-329.2	1
7433_7433	7433	7433	547.273	25.495	0.196	0.071	1.824	329.203	1
7433_7434	7433	7434	-547.273	-25.495	-0.196	-0.071	-3.235	-145.493	1
7434_7434	7434	7434	546.516	38.451	-0.092	0.072	3.211	145.493	1
7434_7435	7434	7435	-546.516	-38.451	0.092	-0.072	-2.548	131.775	1
7435_7435	7435	7435	551.081	55.686	-0.48	0.34	3.864	-131.774	1
7435_7436	7435	7436	-551.081	-55.686	0.48	-0.34	1.378	739.965	1
7436_7436	7436	7436	549.605	68.732	-1.274	-0.733	-1.074	-739.965	1
7436_7437	7436	7437	-549.605	-68.732	1.274	0.733	5.514	979.48	1
7437_7437	7437	7437	550.36	71.762	-22.936	-0.244	-4.068	-979.47	1
7437_7072	7437	7072	-550.36	-71.762	22.936	0.244	97.939	1273.169	1.01
7440_7094	7440	7094	585.523	-66.533	21.387	0.27	-85.297	-979.675	1
7440_7441	7440	7441	-585.523	66.533	-21.387	-0.27	-2.33	707.081	1
7441_7441	7441	7441	584.38	-63.655	0.342	0.032	0.972	-707.079	1
7441_7442	7441	7442	-584.38	63.655	-0.342	-0.032	-2.166	484.912	1
7442_7442	7442	7442	585.752	-49.471	0.195	-0.145	2.13	-484.912	1
7442_7443	7442	7443	-585.752	49.471	-0.195	0.145	-4.258	-55.171	1
7443_7443	7443	7443	581.385	-31.215	-0.204	-0.009	3.588	55.173	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7443_7444	7443	7444	-581.385	31.215	0.204	0.009	-2.119	-280.252	1
7444_7444	7444	7444	581.961	-17.432	-0.043	-0.137	2.091	280.253	1
7444_7445	7444	7445	-581.961	17.432	0.043	0.137	-1.782	-405.855	1
7445_7445	7445	7445	579.222	2.627	-0.24	-0.021	1.926	405.856	1
7445_7446	7445	7446	-579.222	-2.627	0.24	0.021	1.533	-367.971	1
7446_7446	7446	7446	577.023	23.696	1.031	-0.074	-1.419	367.969	1
7446_7447	7446	7447	-577.023	-23.696	-1.031	0.074	-7.702	-158.285	1
7447_7447	7447	7447	576.43	35.31	-0.237	0.109	7.855	158.278	1
7447_7448	7447	7448	-576.43	-35.31	0.237	-0.109	-6.537	38.027	1
7448_7448	7448	7448	571.796	-85.987	-1.128	0.91	7.11	-38.023	1
7448_7449	7448	7449	-571.796	85.987	1.128	-0.91	-3.698	-222.023	1
7449_7449	7449	7449	571.741	85.753	0.971	-1.002	3.719	222.037	1
7449_7450	7449	7450	-571.741	-85.753	-0.971	1.002	-6.656	37.329	1
7450_7450	7450	7450	576.551	-35.51	-0.551	0.047	6.519	-37.324	1
7450_7451	7450	7451	-576.551	35.51	0.551	-0.047	-3.458	-160.103	1
7451_7451	7451	7451	577.149	-23.908	-0.348	-0.078	3.482	160.103	1
7451_7452	7451	7452	-577.149	23.908	0.348	0.078	-0.4	-371.657	1
7452_7452	7452	7452	579.53	-2.842	0.05	-0.009	0.235	371.657	1
7452_7453	7452	7453	-579.53	2.842	-0.05	0.009	-0.949	-412.651	1
7453_7453	7453	7453	582.457	17.222	0.122	0.033	1.141	412.651	1
7453_7454	7453	7454	-582.457	-17.222	-0.122	-0.033	-2.023	-288.572	1
7454_7454	7454	7454	581.885	31.019	-0.018	0.056	2	288.573	1
7454_7455	7454	7455	-581.885	-31.019	0.018	-0.056	-1.872	-64.932	1
7455_7455	7455	7455	586.226	49.427	0.542	0.221	2.678	64.934	1
7455_7456	7455	7456	-586.226	-49.427	-0.542	-0.221	-8.599	475.016	1
7456_7456	7456	7456	584.919	63.035	0.056	-0.385	8.711	-475.013	1
7456_7457	7456	7457	-584.919	-63.035	-0.056	0.385	-8.906	694.352	1
7457_7457	7457	7457	586.035	66.438	-19.486	-0.182	10.823	-694.339	1
7457_7110	7457	7110	-586.035	-66.438	19.486	0.182	68.995	966.484	1.01
7460_7132	7460	7132	534.898	-90.024	9.764	0.06	-38.573	-1302.45	1.03
7460_7461	7460	7461	-534.898	90.024	-9.764	-0.06	-9.288	861.153	1
7461_7461	7461	7461	537.151	-64.339	-1.139	-0.464	8.691	-861.161	1
7461_7462	7461	7462	-537.151	64.339	1.139	0.464	-4.716	636.739	1
7462_7462	7462	7462	538.541	-51.433	-0.66	0.006	4.875	-636.738	1
7462_7463	7462	7463	-538.541	51.433	0.66	-0.006	2.334	75.068	1
7463_7463	7463	7463	535.881	-35.491	-0.232	-0.027	-2.17	-75.072	1
7463_7464	7463	7464	-535.881	35.491	0.232	0.027	3.839	-180.71	1
7464_7464	7464	7464	536.571	-22.779	0.521	-0.193	-3.93	180.708	1
7464_7465	7464	7465	-536.571	22.779	-0.521	0.193	0.174	-344.754	1
7465_7465	7465	7465	536.66	-5.266	-0.011	-0.053	-0.127	344.748	1
7465_7466	7465	7466	-536.66	5.266	0.011	0.053	0.292	-420.668	1
7466_7466	7466	7466	537.928	12.903	-0.17	0.081	-0.04	420.665	1
7466_7467	7466	7467	-537.928	-12.903	0.17	-0.081	1.548	-306.416	1
7467_7467	7467	7467	537.549	23.962	0.335	-0.17	-1.675	306.415	1
7467_7468	7467	7468	-537.549	-23.962	-0.335	0.17	-0.188	-173.248	1
7468_7468	7468	7468	534.517	-91.105	0.761	-0.27	0.146	173.244	1
7468_7469	7468	7469	-534.517	91.105	-0.761	0.27	-2.446	-448.654	1
7469_7469	7469	7469	535.939	91.541	-0.55	0.242	-1.458	452.748	1
7469_7470	7469	7470	-535.939	-91.541	0.55	-0.242	3.12	-176.023	1
7470_7470	7470	7470	539.315	-23.819	0.184	-0.008	-2.912	176.025	1
7470_7471	7470	7471	-539.315	23.819	-0.184	0.008	1.888	-308.399	1
7471_7471	7471	7471	539.696	-12.48	0.289	-0.028	-1.862	308.399	1
7471_7472	7471	7472	-539.696	12.48	-0.289	0.028	-0.699	-419.017	1
7472_7472	7472	7472	538.935	5.629	-0.027	0.02	0.217	419.019	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7472_7473	7472	7473	-538.935	-5.629	0.027	-0.02	0.166	-337.91	1
7473_7473	7473	7473	539.436	24.267	0.396	-0.016	-0.172	337.913	1
7473_7474	7473	7474	-539.436	-24.267	-0.396	0.016	-2.681	-162.917	1
7474_7474	7474	7474	538.726	36.798	-0.357	0.154	2.603	162.918	1
7474_7475	7474	7475	-538.726	-36.798	0.357	-0.154	-0.033	102.285	1
7475_7475	7475	7475	541.297	53.814	0.828	0.109	0.332	-102.28	1
7475_7476	7475	7476	-541.297	-53.814	-0.828	-0.109	-9.373	689.957	1
7476_7476	7476	7476	539.85	66.785	0.934	0.024	9.335	-689.958	1
7476_7477	7476	7477	-539.85	-66.785	-0.934	-0.024	-12.592	922.916	1
7477_7477	7477	7477	540.914	69.624	-16.898	-0.146	14.374	-922.903	1
7477_7148	7477	7148	-540.914	-69.624	16.898	0.146	54.819	1207.997	1
7480_7168	7480	7168	551.357	-76.632	17.818	0.28	-65.522	-1438.03	1
7480_7481	7480	7481	-551.357	76.632	-17.818	-0.28	-7.437	1124.236	1
7481_7481	7481	7481	550.744	-73.717	-1.241	-1.828	5.215	-1124.22	1
7481_7482	7481	7482	-550.744	73.717	1.241	1.828	-0.888	867.087	1
7482_7482	7482	7482	552.356	-60.484	0.174	0.446	1.516	-867.088	1
7482_7483	7482	7483	-552.356	60.484	-0.174	-0.446	-3.421	206.572	1
7483_7483	7483	7483	550.851	-43.087	-0.205	-0.086	3.119	-206.574	1
7483_7484	7483	7484	-550.851	43.087	0.205	0.086	-1.641	-103.956	1
7484_7484	7484	7484	551.704	-30.271	-0.183	-0.128	1.637	103.956	1
7484_7485	7484	7485	-551.704	30.271	0.183	0.128	-0.316	-322.25	1
7485_7485	7485	7485	552.448	-11.424	-0.096	-0.063	0.543	322.247	1
7485_7486	7485	7486	-552.448	11.424	0.096	0.063	0.845	-486.957	1
7486_7486	7486	7486	554.745	7.473	-0.12	0.116	-0.381	486.954	1
7486_7487	7486	7487	-554.745	-7.473	0.12	-0.116	1.442	-420.79	1
7487_7487	7487	7487	554.474	18.878	0.399	-0.242	-1.617	420.789	1
7487_7488	7487	7488	-554.474	-18.878	-0.399	0.242	-0.602	-315.876	1
7488_7488	7488	7488	551.114	-99.927	-0.221	0.119	0.707	315.878	1
7488_7489	7488	7489	-551.114	99.927	0.221	-0.119	-0.04	-617.956	1
7489_7489	7489	7489	551.945	100.394	-1.052	-0.163	2.436	620.206	1
7489_7490	7489	7490	-551.945	-100.394	1.052	0.163	0.743	-316.719	1
7490_7490	7490	7490	555.504	-18.57	0.285	-0.23	-0.499	316.723	1
7490_7491	7490	7491	-555.504	18.57	-0.285	0.23	-1.085	-419.925	1
7491_7491	7491	7491	555.771	-6.893	-0.238	0.14	0.909	419.925	1
7491_7492	7491	7492	-555.771	6.893	0.238	-0.14	1.2	-481.025	1
7492_7492	7492	7492	553.558	11.67	0.196	0.043	-1.285	481.033	1
7492_7493	7492	7493	-553.558	-11.67	-0.196	-0.043	-1.544	-312.881	1
7493_7493	7493	7493	552.963	30.726	-0.282	0.159	1.386	312.882	1
7493_7494	7493	7494	-552.963	-30.726	0.282	-0.159	0.645	-91.309	1
7494_7494	7494	7494	552.099	43.572	0.448	0.05	-0.6	91.309	1
7494_7495	7494	7495	-552.099	-43.572	-0.448	-0.05	-2.63	222.72	1
7495_7495	7495	7495	553.933	61.008	0.401	0.107	2.986	-222.713	1
7495_7496	7495	7496	-553.933	-61.008	-0.401	-0.107	-7.366	888.95	1
7496_7496	7496	7496	552.309	74.28	0.509	0.11	7.318	-888.951	1
7496_7497	7496	7497	-552.309	-74.28	-0.509	-0.11	-9.093	1148.052	1
7497_7497	7497	7497	553.071	77.084	-19.309	-0.266	10.807	-1148.04	1
7497_7184	7497	7184	-553.071	-77.084	19.309	0.266	68.258	1463.682	1.02
7500_7204	7500	7204	608.183	-82.505	21.714	0.535	-90.203	-1490.93	1.01
7500_7501	7500	7501	-608.183	82.505	-21.714	-0.535	1.29	1153.089	1
7501_7501	7501	7501	607.947	-79.129	0.614	0.04	-2.277	-1153.11	1
7501_7502	7501	7502	-607.947	79.129	-0.614	-0.04	0.135	877.094	1
7502_7502	7502	7502	609.671	-64.52	0.496	-0.133	-0.185	-877.094	1
7502_7503	7502	7503	-609.671	64.52	-0.496	0.133	-5.226	172.493	1
7503_7503	7503	7503	604.598	-45.24	0.06	-0.14	4.29	-172.496	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7503_7504	7503	7504	-604.598	45.24	-0.06	0.14	-4.721	-153.548	1
7504_7504	7504	7504	605.486	-31.173	-0.741	-0.043	4.79	153.546	1
7504_7505	7504	7505	-605.486	31.173	0.741	0.043	0.55	-378.34	1
7505_7505	7505	7505	601.788	-9.968	0.151	-0.047	-1.228	378.341	1
7505_7506	7505	7506	-601.788	9.968	-0.151	0.047	-0.952	-522.065	1
7506_7506	7506	7506	598.933	11.739	0.262	0.176	0.881	522.06	1
7506_7507	7506	7507	-598.933	-11.739	-0.262	-0.176	-3.2	-418.122	1
7507_7507	7507	7507	598.564	24.052	0.824	-0.275	3.026	418.123	1
7507_7508	7507	7508	-598.564	-24.052	-0.824	0.275	-7.605	-284.456	1
7508_7508	7508	7508	589.593	-101.267	-0.911	0.654	7.911	284.437	1
7508_7509	7508	7509	-589.593	101.267	0.911	-0.654	-5.157	-590.562	1
7509_7509	7509	7509	589.676	101.673	1.104	-0.526	5.129	590.499	1
7509_7510	7509	7510	-589.676	-101.673	-1.104	0.526	-8.466	-283.141	1
7510_7510	7510	7510	597.58	-23.57	-0.259	-0.102	8.15	283.127	1
7510_7511	7510	7511	-597.58	23.57	0.259	0.102	-6.712	-414.116	1
7511_7511	7511	7511	597.938	-11.277	-0.82	0.145	6.541	414.119	1
7511_7512	7511	7512	-597.938	11.277	0.82	-0.145	0.717	-513.967	1
7512_7512	7512	7512	599.495	10.366	0.122	0.093	-0.589	513.968	1
7512_7513	7512	7513	-599.495	-10.366	-0.122	-0.093	-1.168	-364.515	1
7513_7513	7513	7513	602.012	31.53	0.258	0.18	1.477	364.519	1
7513_7514	7513	7514	-602.012	-31.53	-0.258	-0.18	-3.337	-137.149	1
7514_7514	7514	7514	601.116	45.514	0.234	0.108	3.339	137.149	1
7514_7515	7514	7515	-601.116	-45.514	-0.234	-0.108	-5.025	190.876	1
7515_7515	7515	7515	605.06	64.619	-0.243	1.246	5.752	-190.861	1
7515_7516	7515	7516	-605.06	-64.619	0.243	-1.246	-3.099	896.533	1
7516_7516	7516	7516	603.328	79.117	-2.927	-2.961	4.232	-896.525	1
7516_7517	7516	7517	-603.328	-79.117	2.927	2.961	5.976	1172.494	1
7517_7517	7517	7517	603.448	82.83	-30.567	-1.327	-0.666	-1172.49	1
7517_7220	7517	7220	-603.448	-82.83	30.567	1.327	125.837	1511.678	1
7520_7240	7520	7240	593.523	2.99	32.452	4.545	-126.475	-1930.97	1
7520_7521	7520	7521	-593.523	-2.99	-32.452	-4.545	47.603	1938.239	1
7521_7521	7521	7521	589.57	-101.343	5.757	1.944	-49.466	-1936.36	1
7521_7522	7521	7522	-589.57	101.343	-5.757	-1.944	29.39	1582.938	1
7522_7522	7522	7522	591.836	-87.206	4.595	-0.602	-30.286	-1582.92	1
7522_7523	7522	7523	-591.836	87.206	-4.595	0.602	-19.895	630.554	1
7523_7523	7523	7523	590.069	-66.102	-0.527	0.165	17.526	-630.073	1
7523_7524	7523	7524	-590.069	66.102	0.527	-0.165	-13.728	153.598	1
7524_7524	7524	7524	591.442	-52.397	-1.632	-0.449	13.623	-153.607	1
7524_7525	7524	7525	-591.442	52.397	1.632	0.449	-1.853	-224.348	1
7525_7525	7525	7525	586.803	-30.075	-0.552	-0.154	0.871	224.167	1
7525_7526	7525	7526	-586.803	30.075	0.552	0.154	7.092	-657.708	1
7526_7526	7526	7526	582.021	-8.267	0.413	-0.899	-7.44	657.195	1
7526_7527	7526	7527	-582.021	8.267	-0.413	0.899	3.78	-730.398	1
7527_7527	7527	7527	582.067	3.705	-1.132	1.113	-2.909	730.402	1
7527_7528	7527	7528	-582.067	-3.705	1.132	-1.113	9.202	-709.812	1
7528_7528	7528	7528	565.69	-117.41	0.539	-2.063	-8.762	709.238	1
7528_7529	7528	7529	-565.69	117.41	-0.539	2.063	7.131	-1064.43	1
7529_7529	7529	7529	565.286	115.146	-0.283	1.841	-7.083	1063.719	1
7529_7530	7529	7530	-565.286	-115.146	0.283	-1.841	7.936	-716.493	1
7530_7530	7530	7530	575.083	-4.74	2.818	-1.52	-7.453	716.222	1
7530_7531	7530	7531	-575.083	4.74	-2.818	1.52	-8.209	-742.569	1
7531_7531	7531	7531	575.063	7.212	0.879	0.827	7.083	742.581	1
7531_7532	7531	7532	-575.063	-7.212	-0.879	-0.827	-14.872	-678.686	1
7532_7532	7532	7532	574.422	27.404	-0.575	0.082	14.374	678.394	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
7532_7533	7532	7533	-574.422	-27.404	0.575	-0.082	-6.093	-283.466	1
7533_7533	7533	7533	573.56	47.648	-0.361	0.405	6.018	283.41	1
7533_7534	7533	7534	-573.56	-47.648	0.361	-0.405	-3.411	60.366	1
7534_7534	7534	7534	572.317	60.759	-1.581	0.193	3.463	-60.364	1
7534_7535	7534	7535	-572.317	-60.759	1.581	-0.193	7.925	498.011	1
7535_7535	7535	7535	570.356	79.39	4.574	1.692	-7.103	-497.66	1
7535_7536	7535	7536	-570.356	-79.39	-4.574	-1.692	-42.881	1365.153	1
7536_7536	7536	7536	568.319	92.919	3.039	-3.183	43.939	-1365.12	1
7536_7537	7536	7537	-568.319	-92.919	-3.039	3.183	-54.539	1689.166	1
7537_7537	7537	7537	571.157	95.258	-14.163	-7.382	57.433	-1689.39	1
7537_7253	7537	7253	-571.157	-95.258	14.163	7.382	0.47	2078.842	1.01
7540_7275	7540	7275	846.481	-102.079	4.127	6.523	-87.372	-1611.96	1.02
7540_7541	7540	7541	-846.481	102.079	-4.127	-6.523	70.486	1194.255	1
7541_7541	7541	7541	845.62	-99.354	6.065	0.755	-70.63	-1197.1	1
7541_7542	7541	7542	-845.62	99.354	-6.065	-0.755	49.424	849.731	1
7542_7542	7542	7542	847.833	-78.377	4.314	0.175	-49.919	-849.703	1
7542_7543	7542	7543	-847.833	78.377	-4.314	-0.175	2.835	-5.76	1
7543_7543	7543	7543	845.996	-52.175	0.889	-0.951	-4.782	5.003	1
7543_7544	7543	7544	-845.996	52.175	-0.889	0.951	-1.632	-381.229	1
7544_7544	7544	7544	846.99	-32.221	-1.46	0.082	1.987	381.228	1
7544_7545	7544	7545	-846.99	32.221	1.46	-0.082	8.536	-613.48	1
7545_7545	7545	7545	842.664	-3.423	-0.07	-0.519	-9.439	612.381	1
7545_7546	7545	7546	-842.664	3.423	0.07	0.519	10.452	-661.716	1
7546_7546	7546	7546	837.765	25.551	3.449	-0.679	-10.841	660.879	1
7546_7547	7546	7547	-837.765	-25.551	-3.449	0.679	-19.711	-434.555	1
7547_7547	7547	7547	837.05	43.155	0.8	0.25	20.31	434.528	1
7547_7548	7547	7548	-837.05	-43.155	-0.8	-0.25	-24.754	-194.836	1
7548_7548	7548	7548	827.213	-132.466	-0.469	0.892	25.104	193.206	1
7548_7549	7548	7549	-827.213	132.466	0.469	-0.892	-23.688	-593.623	1
7549_7549	7549	7549	831.276	134.953	-1.464	-1.28	23.843	595.679	1
7549_7550	7549	7550	-831.276	-134.953	1.464	1.28	-19.48	-193.606	1
7550_7550	7550	7550	839.26	-46.86	2.101	-0.447	19.022	192.388	1
7550_7551	7550	7551	-839.26	46.86	-2.101	0.447	-30.906	-457.489	1
7551_7551	7551	7551	840.13	-27.182	0.087	-0.09	30.399	457.523	1
7551_7552	7551	7552	-840.13	27.182	-0.087	0.09	-31.133	-686.552	1
7552_7552	7552	7552	840.632	7.125	-0.198	-0.238	30.33	686.353	1
7552_7553	7552	7553	-840.632	-7.125	0.198	0.238	-27.536	-586.046	1
7553_7553	7553	7553	840.02	40.367	0.444	0.343	27.055	586.012	1
7553_7554	7553	7554	-840.02	-40.367	-0.444	-0.343	-30.18	-301.645	1
7554_7554	7554	7554	838.732	61.582	-0.705	0.004	30.038	301.66	1
7554_7555	7554	7555	-838.732	-61.582	0.705	-0.004	-25.072	131.813	1
7555_7555	7555	7555	839.041	92.745	-4.021	1.02	26.242	-131.065	1
7555_7556	7555	7556	-839.041	-92.745	4.021	-1.02	16.592	1118.972	1
7556_7556	7556	7556	836.117	116.175	-4.382	0.983	-16.425	-1118.98	1
7556_7557	7556	7557	-836.117	-116.175	4.382	-0.983	31.45	1517.286	1
7557_7557	7557	7557	864.942	42.284	-67.815	-5.572	-27.783	-1516.9	1
7557_7288	7557	7288	-864.942	-42.284	67.815	5.572	311.019	1693.498	1.02
47000_7000	47000	7000	1.067	116.197	5.925	6.471	0	1.74	1
47000_7001	47000	7001	-1.067	-109.326	-5.925	-6.471	-62.245	1182.977	1
47001_7001	47001	7001	1.067	109.326	5.925	6.477	62.245	-1182.98	1
47001_7002	47001	7002	-1.067	-103.181	-5.925	-6.477	-117.913	2181.355	1
47002_7002	47002	7002	1.032	86.44	-5.471	7.724	117.913	-2181.37	1
47002_7003	47002	7003	-1.032	-78.522	5.471	-7.724	-51.679	3180.015	1
47003_7003	47003	7003	1.027	78.522	-5.471	4.773	51.679	-3180.02	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
47003_7004	47003	7004	-1.027	-70.598	5.471	-4.773	14.615	4083.4	1
47004_7004	47004	7004	1.042	54.842	0.432	8.446	-14.615	-4083.42	1
47004_7005	47004	7005	-1.042	-46.925	-0.432	-8.446	9.38	4699.363	1
47005_7005	47005	7005	1.042	46.925	0.431	0.244	-9.38	-4699.37	1
47005_7006	47005	7006	-1.042	-39.004	-0.431	-0.244	4.164	5219.766	1
47006_7006	47006	7006	1.043	25.293	0.518	6.879	-4.164	-5219.79	1
47006_7007	47006	7007	-1.043	-17.372	-0.518	-6.879	-2.104	5478.147	1
47007_7007	47007	7007	1.044	17.372	0.516	-2.669	2.104	-5478.15	1
47007_7008	47007	7008	-1.044	-9.447	-0.516	2.669	-8.354	5640.65	1
47008_7008	47008	7008	1.042	-3.888	-0.14	4.673	8.354	-5640.68	1
47008_7009	47008	7009	-1.042	11.806	0.14	-4.673	-6.657	5545.671	1
47009_7009	47009	7009	1.042	-11.806	-0.142	-4.987	6.657	-5545.67	1
47009_7010	47009	7010	-1.042	19.729	0.142	4.987	-4.937	5354.655	1
47010_7010	47010	7010	1.045	-32.812	0.539	1.765	4.937	-5354.72	1
47010_7011	47010	7011	-1.045	40.734	-0.539	-1.765	-11.462	4909.277	1
47011_7011	47011	7011	1.046	-40.734	0.537	-6.279	11.462	-4909.27	1
47011_7012	47011	7012	-1.046	48.654	-0.537	6.279	-17.966	4367.994	1
47012_7012	47012	7012	1.042	-62.09	-0.604	-0.666	17.966	-4368.02	1
47012_7013	47012	7013	-1.042	70.009	0.604	0.666	-10.654	3568.188	1
47013_7013	47013	7013	1.041	-70.009	-0.606	-6.869	10.654	-3568.18	1
47013_7014	47013	7014	-1.041	77.934	0.606	6.869	-3.315	2671.862	1
47014_7014	47014	7014	1.043	-92.17	0.455	-4.014	3.315	-2671.89	1
47014_7015	47014	7015	-1.043	102.531	-0.455	4.014	-10.517	1129.665	1
47015_7015	47015	7015	1.941	-102.518	0.453	-5.721	10.467	-1129.08	1
47015_7016	47015	7016	-1.988	107.918	-0.453	5.721	-14.21	260.246	1
47016_7016	47016	7016	4.238	-124.319	-1.617	-5.108	14.134	-260.228	1
47016_7017	47016	7017	-4.431	131.874	1.617	5.108	4.874	-1245.42	1.06
47017_7017	47017	7017	7.656	-131.726	-1.619	-2.825	-4.89	1245.318	1.06
47017_7018	47017	7018	-8.082	140.244	1.619	2.825	26.367	-3049.04	1.03
47018_7018	47018	7018	12.886	-157.468	2.131	-9.73	-26.999	3048.987	1.03
47018_7019	47018	7019	-13.491	165.506	-2.131	9.73	0.276	-5073.62	1.02
47019_7019	47019	7019	17.828	-165.095	2.129	2.316	0.694	5073.628	1.02
47019_7020	47019	7020	-18.646	173.132	-2.129	-2.316	-27.441	-7198.23	1.02
47020_7020	47020	7020	-594.904	64.202	-8.944	-2.798	197.654	1694.193	1.02
47020_7021	47020	7021	594.904	-58.094	8.944	2.798	-112.69	-1113.33	1
47021_7021	47021	7021	-594.909	58.094	-8.592	-0.063	112.69	969.602	1
47021_7022	47021	7022	594.909	-53.112	8.592	0.063	-46.123	-538.798	1
47022_7022	47022	7022	-594.919	53.112	-7.829	0.628	46.123	538.798	1
47022_7023	47022	7023	594.919	-48.131	7.829	-0.628	14.523	-146.647	1
47023_7023	47023	7023	-594.946	31.576	-1.707	-0.963	-14.523	146.602	1
47023_7024	47023	7024	594.946	-26.427	1.707	0.963	28.192	85.622	1
47024_7024	47024	7024	-594.948	26.427	-1.048	-1.058	-28.192	-85.621	1
47024_7025	47024	7025	594.948	-21.285	1.048	1.058	36.575	276.383	1
47025_7025	47025	7025	-594.948	21.285	-1.048	-1.058	-36.575	-276.383	1
47025_7026	47025	7026	594.948	-16.144	1.048	1.058	44.958	426.03	1
47026_7026	47026	7026	-594.949	-0.103	-0.928	-0.475	-44.958	-426.061	1
47026_7027	47026	7027	594.949	3.963	0.928	0.475	50.532	413.854	1
47027_7027	47027	7027	-594.949	-3.963	-1.034	-0.401	-50.532	-413.854	1
47027_7028	47027	7028	594.949	7.818	1.034	0.401	56.732	378.544	1
47028_7028	47028	7028	-594.95	-7.818	0.057	-1.096	-56.732	-378.543	1
47028_7029	47028	7029	594.95	11.678	-0.057	1.096	56.39	320.026	1
47029_7029	47029	7029	-594.95	-11.678	0.057	-1.096	-56.39	-320.026	1
47029_7030	47029	7030	594.95	15.538	-0.057	1.096	56.048	238.336	1
47030_7030	47030	7030	-594.952	-31.515	0.231	-0.798	-56.048	-238.344	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
47030_7031	47030	7031	594.952	36.655	-0.231	0.798	54.2	-34.104	1
47031_7031	47031	7031	-594.952	-36.655	0.308	-0.793	-54.2	34.104	1
47031_7032	47031	7032	594.952	41.801	-0.308	0.793	51.732	-348.049	1
47032_7032	47032	7032	-594.951	-41.801	1.048	-0.361	-51.732	348.05	1
47032_7033	47032	7033	594.951	46.946	-1.048	0.361	43.346	-703.132	1
47033_7033	47033	7033	-594.932	-63.68	4.057	-1.097	-43.346	703.151	1
47033_7034	47033	7034	594.932	68.662	-4.057	1.097	11.906	-1215.93	1
47034_7034	47034	7034	-594.936	-68.662	3.293	-2.658	-11.906	1215.931	1
47034_7035	47034	7035	594.936	73.646	-3.293	2.658	-13.619	-1767.4	1
47035_7035	47035	7035	-594.929	-73.646	4.433	1.855	13.619	1918.671	1
47035_7036	47035	7036	594.929	79.753	-4.433	-1.855	-55.723	-2647.13	1.01
47036_7036	47036	7036	25.895	150.828	-0.544	-2.008	-7.049	8360.457	1.01
47036_7037	47036	7037	-25.076	-142.791	0.544	2.008	13.882	-6515.74	1.02
47037_7037	47037	7037	21.326	143.398	-0.552	3.529	-14.32	6515.742	1.02
47037_7038	47037	7038	-20.72	-135.361	0.552	-3.529	21.241	-4768.59	1.02
47038_7038	47038	7038	16.44	118.604	-0.649	-1.935	-20.845	4768.707	1.02
47038_7039	47038	7039	-16.012	-110.083	0.649	1.935	29.453	-3251.52	1.03
47039_7039	47039	7039	13.307	110.443	-0.671	5.849	-29.673	3252.56	1.03
47039_7040	47039	7040	-13.116	-102.991	0.671	-5.849	37.565	-1997.95	1.05
47040_7040	47040	7040	11.264	86.015	1.739	0.881	-37.412	1998.041	1.05
47040_7041	47040	7041	-11.218	-80.786	-1.739	-0.881	23.071	-1310.21	1.07
47041_7041	47041	7041	10.51	80.882	1.719	3.07	-23.063	1313.208	1.07
47041_7042	47041	7042	-10.51	-71.101	-1.719	-3.07	-3.456	-140.929	1
47042_7042	47042	7042	10.504	57.199	-0.38	2.566	3.456	140.927	1
47042_7043	47042	7043	-10.504	-49.654	0.38	-2.566	1.072	494.848	1
47043_7043	47043	7043	10.504	49.654	-0.398	1.737	-1.072	-494.852	1
47043_7044	47043	7044	-10.504	-42.111	0.398	-1.737	5.808	1040.77	1
47044_7044	47044	7044	10.506	29.072	0.236	1.656	-5.808	-1040.77	1
47044_7045	47044	7045	-10.506	-21.522	-0.236	-1.656	3.004	1341.986	1
47045_7045	47045	7045	10.507	21.522	0.228	0.633	-3.004	-1341.99	1
47045_7046	47045	7046	-10.507	-13.98	-0.228	-0.633	0.297	1553.163	1
47046_7046	47046	7046	10.507	1.225	0.041	1.122	-0.297	-1553.16	1
47046_7047	47046	7047	-10.507	6.322	-0.041	-1.122	-0.193	1522.816	1
47047_7047	47047	7047	10.507	-6.322	0.024	-1.428	0.193	-1522.82	1
47047_7048	47047	7048	-10.507	13.869	-0.024	1.428	-0.474	1402.648	1
47048_7048	47048	7048	10.505	-26.824	-0.47	-0.79	0.474	-1402.65	1
47048_7049	47048	7049	-10.505	34.37	0.47	0.79	5.116	1038.474	1
47049_7049	47049	7049	10.505	-34.37	-0.478	-1.66	-5.116	-1038.47	1
47049_7050	47049	7050	-10.505	41.916	0.478	1.66	10.809	584.525	1
47050_7050	47050	7050	10.508	-55.373	0.094	-2.243	-10.809	-584.515	1
47050_7051	47050	7051	-10.508	65.15	-0.094	2.243	9.358	-344.807	1.15
47051_7051	47051	7051	11.056	-65.059	0.077	-1.579	-9.372	343.775	1.15
47051_7052	47051	7052	-11.099	70.288	-0.077	1.579	8.741	-901.86	1.06
47052_7052	47052	7052	12.63	-86.659	-0.692	-4.051	-8.829	901.828	1.06
47052_7053	47052	7053	-12.812	94.114	0.692	4.051	16.97	-1964.88	1.03
47053_7053	47053	7053	15.201	-93.757	-0.716	0.506	-16.862	1961.467	1.03
47053_7054	47053	7054	-15.609	101.946	0.716	-0.506	26.356	-3259.62	1.02
47054_7054	47054	7054	19.381	-118.056	1.257	-5.349	-26.823	3259.577	1.02
47054_7055	47054	7055	-19.959	125.779	-1.257	5.349	11.069	-4787.44	1.01
47055_7055	47055	7055	23.225	-125.218	1.24	2.542	-10.436	4787.441	1.01
47055_7056	47055	7056	-24.005	132.94	-1.24	-2.542	-5.141	-6408.55	1.01
47056_7056	47056	7056	-500.086	72.146	-5.986	-1.046	104.59	1866.582	1.01
47056_7057	47056	7057	500.086	-66.271	5.986	1.046	-47.684	-1208.65	1
47057_7057	47057	7057	-500.092	66.271	-5.411	0.635	47.684	1181.759	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
47057_7058	47057	7058	500.092	-61.481	5.411	-0.635	-5.742	-686.657	1
47058_7058	47058	7058	-500.099	61.481	-4.768	1.518	5.742	686.656	1
47058_7059	47058	7059	500.099	-56.691	4.768	-1.518	31.209	-228.724	1
47059_7059	47059	7059	-500.088	40.536	-0.994	0.359	-31.209	228.752	1
47059_7060	47059	7060	500.088	-35.597	0.994	-0.359	39.152	75.439	1
47060_7060	47060	7060	-500.088	35.597	-0.325	0.258	-39.152	-75.439	1
47060_7061	47060	7061	500.088	-30.653	0.325	-0.258	41.753	340.45	1
47061_7061	47061	7061	-500.088	30.653	0.298	-0.166	-41.753	-340.45	1
47061_7062	47061	7062	500.088	-25.709	-0.298	0.166	39.366	565.887	1
47062_7062	47062	7062	-500.087	10.362	-0.403	0.927	-39.366	-565.931	1
47062_7063	47062	7063	500.087	-6.651	0.403	-0.927	41.787	617.012	1
47063_7063	47063	7063	-500.087	6.651	0.428	-0.099	-41.787	-617.012	1
47063_7064	47063	7064	500.087	-2.941	-0.428	0.099	39.219	645.808	1
47064_7064	47064	7064	-500.087	2.941	0.371	-0.025	-39.219	-645.808	1
47064_7065	47064	7065	500.087	0.764	-0.371	0.025	36.997	652.333	1
47065_7065	47065	7065	-500.087	-0.764	0.428	-0.099	-36.997	-652.333	1
47065_7066	47065	7066	500.087	4.474	-0.428	0.099	34.429	636.61	1
47066_7066	47066	7066	-500.09	-19.91	0.834	0.21	-34.429	-636.588	1
47066_7067	47066	7067	500.09	24.853	-0.834	-0.21	27.761	457.589	1
47067_7067	47067	7067	-500.09	-24.853	0.834	0.21	-27.761	-457.589	1
47067_7068	47067	7068	500.09	29.795	-0.834	-0.21	21.093	239.062	1
47068_7068	47068	7068	-500.09	-29.795	0.875	0.19	-21.093	-239.062	1
47068_7069	47068	7069	500.09	34.744	-0.875	-0.19	14.085	-19.339	1
47069_7069	47069	7069	-500.049	-50.702	4.966	-0.441	-14.085	19.388	1
47069_7070	47069	7070	500.049	55.489	-4.966	0.441	-24.383	-430.673	1
47070_7070	47070	7070	-500.042	-55.489	5.61	0.113	24.383	430.673	1
47070_7071	47070	7071	500.042	60.276	-5.61	-0.113	-67.838	-879.002	1
47071_7071	47071	7071	-500.041	-60.276	5.659	0.626	67.838	916.728	1
47071_7072	47071	7072	500.041	66.146	-5.659	-0.626	-121.594	-1517.17	1.01
47072_7072	47072	7072	28.162	138.494	-1.158	0.219	26.933	6030.679	1.01
47072_7073	47072	7073	-27.379	-130.766	1.158	-0.219	-12.386	-4338.69	1.01
47073_7073	47073	7073	23.967	131.434	-1.169	3.35	12.128	4338.685	1.01
47073_7074	47073	7074	-23.387	-123.708	1.169	-3.35	2.526	-2739.16	1.01
47074_7074	47074	7074	19.459	107.098	0.106	1.055	-2.324	2739.227	1.01
47074_7075	47074	7075	-19.049	-98.913	-0.106	-1.055	0.917	-1373.36	1.03
47075_7075	47075	7075	16.519	99.367	0.081	3.497	-0.949	1377.898	1.03
47075_7076	47075	7076	-16.345	-92.294	-0.081	-3.497	-0.004	-251.584	1.03
47076_7076	47076	7076	14.744	77.168	0.977	2.698	0.067	251.585	1.03
47076_7077	47076	7077	-14.702	-72.199	-0.977	-2.698	-8.127	364.831	1
47077_7077	47077	7077	14.093	72.321	0.96	2.549	8.15	-369.88	1
47077_7078	47077	7078	-14.093	-63.904	-0.96	-2.549	-21.575	1322.212	1
47078_7078	47078	7078	14.092	52.292	-0.304	3.04	21.575	-1322.22	1
47078_7079	47078	7079	-14.092	-45.552	0.304	-3.04	-18.175	1869.974	1
47079_7079	47079	7079	14.091	45.552	-0.316	1.462	18.175	-1869.98	1
47079_7080	47079	7080	-14.091	-38.818	0.316	-1.462	-14.645	2341.857	1
47080_7080	47080	7080	14.091	27.344	-0.262	2.422	14.645	-2341.88	1
47080_7081	47080	7081	-14.091	-20.611	0.262	-2.422	-11.711	2610.066	1
47081_7081	47081	7081	14.091	20.611	-0.276	-0.027	11.711	-2610.07	1
47081_7082	47081	7082	-14.091	-13.872	0.276	0.027	-8.627	2803.076	1
47082_7082	47082	7082	14.092	2.034	0.013	1.223	8.627	-2803.1	1
47082_7083	47082	7083	-14.092	5.205	-0.013	-1.223	-8.782	2784.032	1
47083_7083	47083	7083	14.092	-5.205	0.001	-1.089	8.782	-2784.03	1
47083_7084	47083	7084	-14.092	12.444	-0.001	1.089	-8.797	2677.924	1
47084_7084	47084	7084	14.092	-24.185	-0.054	-0.191	8.797	-2677.94	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
47084_7085	47084	7085	-14.092	30.923	0.054	0.191	-8.197	2369.544	1
47085_7085	47085	7085	14.091	-30.923	-0.066	-2.208	8.197	-2369.54	1
47085_7086	47085	7086	-14.091	37.654	0.066	2.208	-7.463	1986.126	1
47086_7086	47086	7086	14.091	-48.938	-0.53	-0.895	7.463	-1986.12	1
47086_7087	47086	7087	-14.091	55.675	0.53	0.895	-1.527	1400.721	1
47087_7087	47087	7087	14.09	-55.675	-0.556	-3.396	1.527	-1400.72	1
47087_7088	47087	7088	-14.09	62.412	0.556	3.396	4.689	739.977	1
47088_7088	47088	7088	14.091	-73.952	-0.067	-2.963	-4.689	-739.978	1
47088_7089	47088	7089	-14.091	82.05	0.067	2.963	5.596	-309.33	1.08
47089_7089	47089	7089	14.799	-81.925	-0.094	-2.313	-5.617	312.011	1.08
47089_7090	47089	7090	-14.841	86.89	0.094	2.313	6.392	-1008.15	1.08
47090_7090	47090	7090	16.644	-101.494	-0.941	-4.376	-6.484	1008.123	1.08
47090_7091	47090	7091	-16.821	108.568	0.941	4.376	17.542	-2242.6	1.02
47091_7091	47091	7091	19.538	-108.111	-0.964	-0.493	-17.474	2240.241	1.02
47091_7092	47091	7092	-19.928	115.889	0.964	0.493	30.257	-3726.14	1.02
47092_7092	47092	7092	24.005	-131.458	1.312	-6.29	-30.753	3726.073	1.02
47092_7093	47092	7093	-24.557	138.795	-1.312	6.29	14.31	-5419.83	1.02
47093_7093	47093	7093	28.168	-138.108	1.289	2.707	-13.593	5419.831	1.02
47093_7094	47093	7094	-28.913	145.444	-1.289	-2.707	-2.604	-7200.92	1
47094_7094	47094	7094	-535.333	64.725	-4.803	-1.634	84.88	2005.562	1
47094_7095	47094	7095	535.333	-59.145	4.803	1.634	-39.223	-1416.8	1
47095_7095	47095	7095	-535.337	59.145	-4.319	-0.179	39.223	1395.355	1
47095_7096	47095	7096	535.337	-54.599	4.319	0.179	-5.776	-954.895	1
47096_7096	47096	7096	-535.343	54.599	-3.605	1.094	5.776	954.894	1
47096_7097	47096	7097	535.343	-50.047	3.605	-1.094	22.176	-549.16	1
47097_7097	47097	7097	-535.346	34.808	-0.439	-0.556	-22.176	549.158	1
47097_7098	47097	7098	535.346	-30.115	0.439	0.556	25.682	-289.645	1
47098_7098	47098	7098	-535.346	30.115	0.253	-0.182	-25.682	289.646	1
47098_7099	47098	7099	535.346	-25.416	-0.253	0.182	23.661	-67.404	1
47099_7099	47099	7099	-535.345	25.416	0.921	-0.097	-23.661	67.404	1
47099_7100	47099	7100	535.345	-20.718	-0.921	0.097	16.289	117.223	1
47100_7100	47100	7100	-535.349	6.16	0.065	-0.199	-16.289	-117.196	1
47100_7101	47100	7101	535.349	-2.642	-0.065	0.199	15.902	143.572	1
47101_7101	47101	7101	-535.348	2.642	0.984	-0.446	-15.902	-143.572	1
47101_7102	47101	7102	535.348	0.881	-0.984	0.446	9.993	148.857	1
47102_7102	47102	7102	-535.349	-0.881	-0.798	0.05	-9.993	-148.858	1
47102_7103	47102	7103	535.349	4.405	0.798	-0.05	14.786	132.989	1
47103_7103	47103	7103	-535.349	-4.405	0.065	-0.164	-14.786	-132.989	1
47103_7104	47103	7104	535.349	7.923	-0.065	0.164	14.399	96.047	1
47104_7104	47104	7104	-535.348	-22.414	-0.645	-0.186	-14.399	-96.072	1
47104_7105	47104	7105	535.348	27.113	0.645	0.186	19.563	-102.134	1
47105_7105	47105	7105	-535.348	-27.113	0.023	-0.058	-19.563	102.134	1
47105_7106	47105	7106	535.348	31.811	-0.023	0.058	19.376	-337.935	1
47106_7106	47106	7106	-535.348	-31.811	0.003	-0.071	-19.376	337.935	1
47106_7107	47106	7107	535.348	36.503	-0.003	0.071	19.35	-610.972	1
47107_7107	47107	7107	-535.332	-51.753	3.816	-0.61	-19.35	610.985	1
47107_7108	47107	7108	535.332	56.305	-3.816	0.61	-10.233	-1029.88	1
47108_7108	47108	7108	-535.332	-56.305	3.816	-0.61	10.233	1029.879	1
47108_7109	47108	7109	535.332	60.856	-3.816	0.61	-39.815	-1484.06	1
47109_7109	47109	7109	-535.328	-60.856	4.345	1.089	39.815	1512.604	1
47109_7110	47109	7110	535.328	66.428	-4.345	-1.089	-81.066	-2116.79	1.01
47110_7110	47110	7110	29.174	142.46	-1.242	-3.096	14.681	7322.58	1.01
47110_7111	47110	7111	-28.427	-135.12	1.242	3.096	0.935	-5578.15	1.01
47111_7111	47111	7111	24.893	135.816	-1.266	5.823	-1.686	5578.147	1.01

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
47111_7112	47111	7112	-24.34	-128.476	1.266	-5.823	17.557	-3921.13	1.01
47112_7112	47112	7112	20.333	113.027	0.272	0.469	-17.115	3921.223	1.01
47112_7113	47112	7113	-19.942	-105.253	-0.272	-0.469	13.512	-2473.99	1.03
47113_7113	47113	7113	17.287	105.721	0.253	3.946	-13.575	2476.431	1.03
47113_7114	47113	7114	-17.114	-98.834	-0.253	-3.946	10.602	-1274	1.03
47114_7114	47114	7114	15.36	84.01	0.585	2.261	-10.519	1274.035	1.03
47114_7115	47114	7115	-15.318	-79.174	-0.585	-2.261	5.692	-600.735	1.11
47115_7115	47115	7115	14.632	79.304	0.577	2.673	-5.673	600.104	1.11
47115_7116	47115	7116	-14.632	-71.116	-0.577	-2.673	-2.386	450.785	1
47116_7116	47116	7116	14.633	59.787	0.007	2.624	2.386	-450.79	1
47116_7117	47116	7117	-14.633	-53.229	-0.007	-2.624	-2.459	1083.228	1
47117_7117	47117	7117	14.633	53.229	-0.006	1.674	2.459	-1083.23	1
47117_7118	47117	7118	-14.633	-46.676	0.006	-1.674	-2.389	1641.791	1
47118_7118	47118	7118	14.633	35.843	-0.142	1.333	2.389	-1641.77	1
47118_7119	47118	7119	-14.633	-29.285	0.142	-1.333	-0.796	2006.207	1
47119_7119	47119	7119	14.633	29.285	-0.142	1.333	0.796	-2006.21	1
47119_7120	47119	7120	-14.633	-22.727	0.142	-1.333	0.797	2297.25	1
47120_7120	47120	7120	14.633	11.288	0	2.129	-0.797	-2297.29	1
47120_7121	47120	7121	-14.633	-4.244	0	-2.129	0.792	2390.645	1
47121_7121	47121	7121	14.633	4.244	-0.024	-1.848	-0.792	-2390.65	1
47121_7122	47121	7122	-14.633	2.8	0.024	1.848	1.078	2399.322	1
47122_7122	47122	7122	14.633	-14.127	-0.039	0.018	-1.078	-2399.32	1
47122_7123	47122	7123	-14.633	20.685	0.039	-0.018	1.52	2204.535	1
47123_7123	47123	7123	14.633	-20.685	-0.053	-1.951	-1.52	-2204.53	1
47123_7124	47123	7124	-14.633	27.243	0.053	1.951	2.107	1936.362	1
47124_7124	47124	7124	14.633	-38.256	-0.116	-0.525	-2.107	-1936.36	1
47124_7125	47124	7125	-14.633	44.813	0.116	0.525	3.409	1471.571	1
47125_7125	47125	7125	14.633	-44.813	-0.142	-3.155	-3.409	-1471.57	1
47125_7126	47125	7126	-14.633	51.371	0.142	3.155	5.004	933.401	1
47126_7126	47126	7126	14.63	-62.536	-0.537	-2.386	-5.004	-933.413	1
47126_7127	47126	7127	-14.63	70.459	0.537	2.386	12.261	34.346	1
47127_7127	47127	7127	15.226	-70.332	-0.556	-2.183	-12.28	-30.525	1
47127_7128	47127	7128	-15.267	75.167	0.556	2.183	16.87	-569.692	1
47128_7128	47128	7128	16.841	-89.602	-1.278	-3.875	-16.952	569.674	1
47128_7129	47128	7129	-17.011	96.488	1.278	3.875	31.976	-1663.3	1.07
47129_7129	47129	7129	19.465	-96.023	-1.309	-0.01	-31.911	1658.604	1.07
47129_7130	47129	7130	-19.867	104.052	1.309	0.01	49.274	-2985.77	1.04
47130_7130	47130	7130	23.756	-121.013	3.956	-2.502	-49.54	2985.756	1.04
47130_7131	47130	7131	-24.327	128.588	-3.956	2.502	-0.05	-4550.18	1.03
47131_7131	47131	7131	28.588	-127.708	3.946	0.608	0.306	4550.177	1.03
47131_7132	47131	7132	-29.358	134.786	-3.946	-0.608	-46.666	-6092.19	1.03
47132_7132	47132	7132	-488.399	66.524	-2.962	0.443	84.032	1723.268	1.03
47132_7133	47132	7133	488.399	-60.27	2.962	-0.443	-53.468	-1069.01	1
47133_7133	47133	7133	-488.395	60.27	-3.592	-0.162	53.468	963.703	1
47133_7134	47133	7134	488.395	-55.573	3.592	0.162	-25.633	-514.81	1
47134_7134	47134	7134	-488.384	55.573	-4.85	-1.488	25.633	514.808	1
47134_7135	47134	7135	488.384	-50.871	4.85	1.488	12.001	-101.802	1
47135_7135	47135	7135	-488.393	34.603	0.483	-0.035	-12.001	101.837	1
47135_7136	47135	7136	488.393	-29.761	-0.483	0.035	8.142	155.299	1
47136_7136	47136	7136	-488.392	29.761	1.097	-0.23	-8.142	-155.299	1
47136_7137	47136	7137	488.392	-24.912	-1.097	0.23	-0.636	373.994	1
47137_7137	47137	7137	-488.392	24.912	1.097	-0.23	0.636	-373.994	1
47137_7138	47137	7138	488.392	-20.064	-1.097	0.23	-9.413	553.904	1
47138_7138	47138	7138	-488.383	6.154	-0.948	0.582	9.413	-553.923	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
47138_7139	47138	7139	488.383	-2.518	0.948	-0.582	-3.722	579.937	1
47139_7139	47139	7139	-488.384	2.518	-0.135	-0.384	3.722	-579.937	1
47139_7140	47139	7140	488.384	1.118	0.135	0.384	-2.915	584.135	1
47140_7140	47140	7140	-488.384	-1.118	-0.135	-0.384	2.915	-584.135	1
47140_7141	47140	7141	488.384	4.755	0.135	0.384	-2.108	566.516	1
47141_7141	47141	7141	-488.384	-4.755	-0.135	-0.384	2.108	-566.516	1
47141_7142	47141	7142	488.384	8.391	0.135	0.384	-1.301	527.08	1
47142_7142	47142	7142	-488.381	-22.892	-0.927	0.038	1.301	-527.103	1
47142_7143	47142	7143	488.381	27.74	0.927	-0.038	6.117	324.571	1
47143_7143	47143	7143	-488.382	-27.74	-0.317	-0.367	-6.117	-324.571	1
47143_7144	47143	7144	488.382	32.588	0.317	0.367	8.651	83.256	1
47144_7144	47144	7144	-488.382	-32.588	-0.317	-0.367	-8.651	-83.256	1
47144_7145	47144	7145	488.382	37.436	0.317	0.367	11.185	-196.844	1
47145_7145	47145	7145	-488.408	-53.1	2.985	-0.296	-11.185	196.814	1
47145_7146	47145	7146	488.408	57.797	-2.985	0.296	-11.948	-626.547	1
47146_7146	47146	7146	-488.412	-57.797	2.355	-1.104	11.948	626.546	1
47146_7147	47146	7147	488.412	62.494	-2.355	1.104	-30.197	-1092.68	1
47147_7147	47147	7147	-488.408	-62.494	2.935	0.747	30.197	1184.77	1
47147_7148	47147	7148	488.408	68.251	-2.935	-0.747	-58.081	-1805.81	1
47148_7148	47148	7148	30.368	131.801	-1.091	-1.031	5.159	6306.712	1
47148_7149	47148	7149	-29.601	-124.226	1.091	1.031	8.545	-4698.33	1
47149_7149	47149	7149	26.346	124.957	-1.104	2.94	-8.85	4698.331	1
47149_7150	47149	7150	-25.778	-117.381	1.104	-2.94	22.693	-3179.45	1
47150_7150	47150	7150	21.988	101.262	0.207	0.325	-22.454	3179.442	1
47150_7151	47150	7151	-21.588	-93.233	-0.207	-0.325	19.71	-1889.29	1
47151_7151	47151	7151	19.209	93.752	0.191	2.524	-19.737	1894.763	1
47151_7152	47151	7152	-19.028	-86.326	-0.191	-2.524	17.491	-836.48	1
47152_7152	47152	7152	17.504	70.248	0.671	1.998	-17.442	836.459	1
47152_7153	47152	7153	-17.461	-65.034	-0.671	-1.998	11.91	-278.394	1
47153_7153	47153	7153	16.913	65.179	0.687	1.749	-11.893	280.351	1
47153_7154	47153	7154	-16.913	-56.488	-0.687	-1.749	2.448	556.124	1
47154_7154	47154	7154	16.915	44.079	0.155	1.401	-2.448	-556.125	1
47154_7155	47154	7155	-16.915	-37.127	-0.155	-1.401	0.745	1002.763	1
47155_7155	47155	7155	16.915	37.127	0.155	1.401	-0.745	-1002.76	1
47155_7156	47155	7156	-16.915	-30.175	-0.155	-1.401	-0.957	1372.927	1
47156_7156	47156	7156	16.916	18.79	0.002	-0.206	0.957	-1372.93	1
47156_7157	47156	7157	-16.916	-12.47	-0.002	0.206	-0.973	1529.231	1
47157_7157	47157	7157	16.916	12.47	0.019	1.324	0.973	-1529.23	1
47157_7158	47157	7158	-16.916	-6.15	-0.019	-1.324	-1.159	1622.329	1
47158_7158	47158	7158	16.916	-3.949	-0.021	-1.181	1.159	-1622.32	1
47158_7159	47158	7159	-16.916	10.275	0.021	1.181	-0.95	1551.122	1
47159_7159	47159	7159	16.916	-10.275	-0.004	0.378	0.95	-1551.12	1
47159_7160	47159	7160	-16.916	16.595	0.004	-0.378	-0.912	1416.766	1
47160_7160	47160	7160	16.917	-28.074	-0.169	-1.801	0.912	-1416.77	1
47160_7161	47160	7161	-16.917	35.026	0.169	1.801	0.942	1069.715	1
47161_7161	47161	7161	16.917	-35.026	-0.153	-0.828	-0.942	-1069.72	1
47161_7162	47161	7162	-16.917	41.978	0.153	0.828	2.628	646.19	1
47162_7162	47162	7162	16.92	-54.541	-0.759	-1.823	-2.628	-646.198	1
47162_7163	47162	7163	-16.92	63.231	0.759	1.823	13.062	-163.497	1
47163_7163	47163	7163	17.443	-63.089	-0.775	-1.601	-13.075	162.504	1
47163_7164	47163	7164	-17.487	68.303	0.775	1.601	19.471	-704.517	1
47164_7164	47164	7164	18.96	-84.67	0.069	-2.302	-19.518	704.533	1
47164_7165	47164	7165	-19.139	92.096	-0.069	2.302	18.712	-1743.35	1
47165_7165	47165	7165	21.453	-91.585	0.057	-0.647	-18.705	1738.867	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
47165_7166	47165	7166	-21.881	100.27	-0.057	0.647	17.946	-3010.51	1
47166_7166	47166	7166	25.712	-118.114	0.948	-2.74	-18.145	3010.473	1
47166_7167	47166	7167	-26.32	126.314	-0.948	2.74	6.268	-4542.38	1
47167_7167	47167	7167	29.607	-125.585	0.934	1.04	-5.974	4542.376	1
47167_7168	47167	7168	-30.431	133.785	-0.934	-1.04	-5.761	-6171.62	1
47168_7168	47168	7168	-496.93	73.914	-3.497	-1.035	69.066	1743.836	1
47168_7169	47168	7169	496.93	-67.682	3.497	1.035	-35.841	-1071.24	1
47169_7169	47169	7169	-496.934	67.682	-2.924	0.848	35.841	961.467	1
47169_7170	47169	7170	496.934	-62.598	2.924	-0.848	-13.182	-456.628	1
47170_7170	47170	7170	-496.934	62.598	-2.924	0.848	13.182	456.628	1
47170_7171	47170	7171	496.934	-57.514	2.924	-0.848	9.476	8.809	1
47171_7171	47171	7171	-496.958	40.749	0.22	0.089	-9.476	-8.846	1
47171_7172	47171	7172	496.958	-35.501	-0.22	-0.089	7.714	313.853	1
47172_7172	47172	7172	-496.958	35.501	-0.401	0.481	-7.714	-313.853	1
47172_7173	47172	7173	496.958	-30.253	0.401	-0.481	10.922	576.876	1
47173_7173	47173	7173	-496.958	30.253	0.22	-0.24	-10.922	-576.876	1
47173_7174	47173	7174	496.958	-25.005	-0.22	0.24	9.16	797.913	1
47174_7174	47174	7174	-496.957	9.09	0.253	-0.405	-9.16	-797.939	1
47174_7175	47174	7175	496.957	-5.154	-0.253	0.405	7.645	840.67	1
47175_7175	47175	7175	-496.957	5.154	-0.576	0.996	-7.645	-840.67	1
47175_7176	47175	7176	496.957	-1.218	0.576	-0.996	11.099	859.785	1
47176_7176	47176	7176	-496.957	1.218	0.253	-0.437	-11.099	-859.786	1
47176_7177	47176	7177	496.957	2.718	-0.253	0.437	9.584	855.284	1
47177_7177	47177	7177	-496.957	-2.718	0.253	-0.437	-9.584	-855.284	1
47177_7178	47177	7178	496.957	6.654	-0.253	0.437	8.068	827.165	1
47178_7178	47178	7178	-496.957	-22.68	0.397	-0.584	-8.068	-827.192	1
47178_7179	47178	7179	496.957	27.928	-0.397	0.584	4.893	624.759	1
47179_7179	47179	7179	-496.957	-27.928	-0.224	0.197	-4.893	-624.759	1
47179_7180	47179	7180	496.957	33.176	0.224	-0.197	6.688	380.34	1
47180_7180	47180	7180	-496.957	-33.176	0.397	-0.279	-6.688	-380.34	1
47180_7181	47180	7181	496.957	38.424	-0.397	0.279	3.513	93.937	1
47181_7181	47181	7181	-496.983	-55.185	3.546	-0.164	-3.513	-93.971	1
47181_7182	47181	7182	496.983	60.27	-3.546	0.164	-23.972	-353.423	1
47182_7182	47182	7182	-496.983	-60.27	3.546	-0.164	23.972	353.423	1
47182_7183	47182	7183	496.983	65.354	-3.546	0.164	-51.458	-840.219	1
47183_7183	47183	7183	-496.987	-65.354	2.973	-0.606	51.458	928.398	1
47183_7184	47183	7184	496.987	71.586	-2.973	0.606	-79.7	-1578.87	1.02
47184_7184	47184	7184	32.039	137.649	-1.088	2.691	13.418	6014.875	1.02
47184_7185	47184	7185	-31.221	-129.449	1.088	-2.691	0.251	-4337.2	1.03
47185_7185	47185	7185	27.847	130.216	-1.074	-0.763	0.074	4337.199	1.03
47185_7186	47185	7186	-27.243	-122.016	1.074	0.763	13.382	-2756.45	1.04
47186_7186	47186	7186	23.314	104.141	-0.247	1.571	-13.495	2756.457	1.04
47186_7187	47186	7187	-22.889	-95.449	0.247	-1.571	16.774	-1432.58	1.08
47187_7187	47187	7187	20.495	95.992	-0.235	1.088	-16.708	1437.455	1.08
47187_7188	47187	7188	-20.305	-88.025	0.235	-1.088	19.468	-356.03	1.08
47188_7188	47188	7188	18.781	70.812	0.783	1.997	-19.454	356.029	1.08
47188_7189	47188	7189	-18.735	-65.218	-0.783	-1.997	12.99	205.118	1
47189_7189	47189	7189	18.199	65.369	0.801	2.164	-12.973	-201.98	1
47189_7190	47189	7190	-18.199	-56.047	-0.801	-2.164	1.958	1036.729	1
47190_7190	47190	7190	18.201	42.501	0.361	1.699	-1.958	-1036.73	1
47190_7191	47190	7191	-18.201	-35.043	-0.361	-1.699	-2.009	1463.226	1
47191_7191	47191	7191	18.201	35.043	0.361	1.699	2.009	-1463.23	1
47191_7192	47191	7192	-18.201	-27.585	-0.361	-1.699	-5.976	1807.682	1
47192_7192	47192	7192	18.204	15.053	-0.335	0.458	5.976	-1807.68	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
47192_7193	47192	7193	-18.204	-8.286	0.335	-0.458	-2.636	1924.147	1
47193_7193	47193	7193	18.204	8.286	-0.335	0.448	2.636	-1924.15	1
47193_7194	47193	7194	-18.204	-1.513	0.335	-0.448	0.708	1973.095	1
47194_7194	47194	7194	18.203	-9.622	-0.186	0.097	-0.708	-1973.12	1
47194_7195	47194	7195	-18.203	16.396	0.186	-0.097	2.57	1843.152	1
47195_7195	47195	7195	18.203	-16.396	-0.205	-1.748	-2.57	-1843.15	1
47195_7196	47195	7196	-18.203	23.169	0.205	1.748	4.614	1645.524	1
47196_7196	47196	7196	18.206	-35.681	-0.443	-2.008	-4.614	-1645.54	1
47196_7197	47196	7197	-18.206	43.139	0.443	2.008	9.482	1212.015	1
47197_7197	47197	7197	18.206	-43.139	-0.443	-2.008	-9.482	-1212.02	1
47197_7198	47197	7198	-18.206	50.598	0.443	2.008	14.351	696.454	1
47198_7198	47198	7198	18.217	-64.307	-1.346	-2.544	-14.351	-696.463	1
47198_7199	47198	7199	-18.217	73.623	1.346	2.544	32.841	-251.129	1.03
47199_7199	47199	7199	18.812	-73.473	-1.363	-2.336	-32.861	247.085	1.03
47199_7200	47199	7200	-18.857	79.066	1.363	2.336	44.109	-876.336	1.03
47200_7200	47200	7200	20.483	-96.882	0.304	-1.455	-44.136	876.343	1.03
47200_7201	47200	7201	-20.67	104.849	-0.304	1.455	40.568	-2061.86	1.03
47201_7201	47201	7201	23.265	-104.304	0.32	-2.263	-40.679	2055.993	1.03
47201_7202	47201	7202	-23.718	113.658	-0.32	2.263	36.428	-3501.71	1.02
47202_7202	47202	7202	27.862	-132.205	0.905	0.509	-36.335	3501.687	1.02
47202_7203	47202	7203	-28.505	141.03	-0.905	-0.509	24.998	-5213.95	1.01
47203_7203	47203	7203	32.096	-140.257	0.919	-3.004	-25.386	5213.944	1.01
47203_7204	47203	7204	-32.965	149.082	-0.919	3.004	13.842	-7031.09	1.01
47204_7204	47204	7204	-549.181	80.641	-3.986	0.527	73.891	2075.46	1.01
47204_7205	47204	7205	549.181	-73.934	3.986	-0.527	-36.022	-1341.22	1
47205_7205	47205	7205	-549.175	73.934	-4.639	0.286	36.022	1181.041	1
47205_7206	47205	7206	549.175	-68.462	4.639	-0.286	-0.072	-629.243	1
47206_7206	47206	7206	-549.181	68.462	-3.93	1.098	0.072	629.242	1
47206_7207	47206	7207	549.181	-62.991	3.93	-1.098	30.387	-119.854	1
47207_7207	47207	7207	-549.215	44.856	-0.653	0.225	-30.387	119.849	1
47207_7208	47207	7208	549.215	-39.208	0.653	-0.225	35.607	216.413	1
47208_7208	47208	7208	-549.215	39.208	-0.653	0.225	-35.607	-216.413	1
47208_7209	47208	7209	549.215	-33.56	0.653	-0.225	40.827	507.49	1
47209_7209	47209	7209	-549.214	33.56	-1.339	0.859	-40.827	-507.489	1
47209_7210	47209	7210	549.214	-27.912	1.339	-0.859	51.54	753.383	1
47210_7210	47210	7210	-549.229	10.057	0.582	0.015	-51.54	-753.379	1
47210_7211	47210	7211	549.229	-5.821	-0.582	-0.015	48.045	801.014	1
47211_7211	47211	7211	-549.229	5.821	0.582	0.015	-48.045	-801.014	1
47211_7212	47211	7212	549.229	-1.585	-0.582	-0.015	44.551	823.232	1
47212_7212	47212	7212	-549.229	1.585	-0.333	1.387	-44.551	-823.231	1
47212_7213	47212	7213	549.229	2.651	0.333	-1.387	46.549	820.032	1
47213_7213	47213	7213	-549.229	-2.651	0.582	0.02	-46.549	-820.033	1
47213_7214	47213	7214	549.229	6.887	-0.582	-0.02	43.055	791.418	1
47214_7214	47214	7214	-549.247	-25.001	2.244	-0.044	-43.055	-791.416	1
47214_7215	47214	7215	549.247	30.65	-2.244	0.044	25.106	568.809	1
47215_7215	47215	7215	-549.247	-30.65	2.244	-0.044	-25.106	-568.809	1
47215_7216	47215	7216	549.247	36.298	-2.244	0.044	7.157	301.017	1
47216_7216	47216	7216	-549.25	-36.298	1.557	0.332	-7.157	-301.017	1
47216_7217	47216	7217	549.25	41.946	-1.557	-0.332	-5.299	-11.963	1
47217_7217	47217	7217	-549.26	-60.052	3.213	-5.116	5.299	11.899	1
47217_7218	47217	7218	549.26	65.524	-3.213	5.116	-30.2	-498.514	1
47218_7218	47218	7218	-549.26	-65.524	3.213	-5.116	30.2	498.514	1
47218_7219	47218	7219	549.26	70.995	-3.213	5.116	-55.101	-1027.53	1
47219_7219	47219	7219	-549.206	-70.995	8.36	6.505	55.101	1158.313	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
47219_7220	47219	7220	549.206	77.703	-8.36	-6.505	-134.525	-1864.63	1
47220_7220	47220	7220	28.232	149.641	-0.014	-5.586	13.095	6791.364	1
47220_7221	47220	7221	-27.37	-140.823	0.014	5.586	-12.92	-4968.57	1
47221_7221	47221	7221	23.773	141.474	-0.057	9.88	11.636	4968.565	1
47221_7222	47221	7222	-23.137	-132.648	0.057	-9.88	-10.921	-3250.57	1.01
47222_7222	47222	7222	19.028	114.101	0.507	-0.098	11.62	3250.897	1.01
47222_7223	47222	7223	-18.58	-104.744	-0.507	0.098	-18.353	-1799.03	1.01
47223_7223	47223	7223	15.999	105.169	0.468	4.533	18.227	1803.44	1.01
47223_7224	47223	7224	-15.797	-96.432	-0.468	-4.533	-23.724	-619.34	1.03
47224_7224	47224	7224	14.163	76.617	0.19	2.493	23.803	619.372	1.03
47224_7225	47224	7225	-14.114	-70.477	-0.19	-2.493	-25.374	-12.335	1
47225_7225	47225	7225	13.552	70.587	0.141	2.334	25.393	12.421	1
47225_7226	47225	7226	-13.552	-59.451	-0.141	-2.334	-27.499	960.782	1
47226_7226	47226	7226	13.554	43.018	0.338	3.472	27.499	-960.827	1
47226_7227	47226	7227	-13.554	-34.375	-0.338	-3.472	-31.424	1410.389	1
47227_7227	47227	7227	13.555	34.375	0.291	-1.428	31.424	-1410.39	1
47227_7228	47227	7228	-13.555	-25.738	-0.291	1.428	-34.799	1759.32	1
47228_7228	47228	7228	13.558	9.126	-0.604	3.524	34.799	-1759.28	1
47228_7229	47228	7229	-13.558	-0.488	0.604	-3.524	-27.787	1815.098	1
47229_7229	47229	7229	13.556	0.488	-0.662	-4.285	27.787	-1815.1	1
47229_7230	47229	7230	-13.556	8.151	0.662	4.285	-20.097	1770.602	1
47230_7230	47230	7230	13.539	-25.365	0.382	0.897	20.097	-1770.44	1
47230_7231	47230	7231	-13.539	34.378	-0.382	-0.897	-24.723	1408.553	1
47231_7231	47231	7231	13.54	-34.378	0.327	-4.845	24.723	-1408.55	1
47231_7232	47231	7232	-13.54	43.401	-0.327	4.845	-28.684	936.912	1
47232_7232	47232	7232	13.528	-61.251	0.921	-0.26	28.684	-936.796	1
47232_7233	47232	7233	-13.528	63.531	-0.921	0.26	-31.506	745.584	1.03
47233_7233	47233	7233	13.901	-63.451	0.9	-1.624	31.497	-745.585	1.03
47233_7234	47233	7234	-13.927	67.885	-0.9	1.624	-36.859	354.216	1.03
47234_7234	47234	7234	14.666	-67.73	0.881	-2.519	36.83	-354.213	1.03
47234_7235	47234	7235	-14.771	73.967	-0.881	2.519	-44.216	-239.887	1.03
47235_7235	47235	7235	15.563	-73.805	0.859	-2.602	44.197	239.89	1.03
47235_7236	47235	7236	-15.679	78.016	-0.859	2.602	-49.059	-669.723	1.03
47236_7236	47236	7236	16.297	-97.888	-1.635	-3.474	49.005	661.534	1.03
47236_7237	47236	7237	-16.656	105.865	1.635	3.474	-31.456	-1754.91	1.01
47237_7237	47237	7237	18.589	-105.542	-1.67	1.137	31.716	1754.912	1.01
47237_7238	47237	7238	-19.065	113.049	1.67	-1.137	-15.831	-2794.31	1.01
47238_7238	47238	7238	21.988	-123.195	-2.546	-11.215	14.865	2793.544	1.01
47238_7239	47238	7239	-22.594	130.617	2.546	11.215	9.099	-3988.2	1.01
47239_7239	47239	7239	22.749	-130.589	-2.578	-0.366	-8.216	3988.217	1.01
47239_7240	47239	7240	-23.432	138.829	2.578	0.366	35.164	-5396.29	1
47240_7240	47240	7240	-527.347	85.624	-4.422	2.987	81.203	1195.531	1
47240_7241	47240	7241	527.347	-79.509	4.422	-2.987	-47.02	-557.203	1
47241_7241	47241	7241	-527.359	79.509	-2.616	5.09	47.02	517.818	1
47241_7242	47241	7242	527.359	-72.742	2.616	-5.09	-24.641	133.473	1
47242_7242	47242	7242	-527.364	72.742	-1.521	4.813	24.641	-133.483	1
47242_7243	47242	7243	527.364	-66.251	1.521	-4.813	-12.157	703.756	1
47243_7243	47243	7243	-527.089	47.217	-5.918	2.6	12.157	-703.78	1
47243_7244	47243	7244	527.089	-39.201	5.918	-2.6	47.813	1141.666	1
47244_7244	47244	7244	-527.101	39.201	-4.668	-0.108	-47.813	-1141.67	1
47244_7245	47244	7245	527.101	-31.692	4.668	0.108	92.126	1478.19	1
47245_7245	47245	7245	-527.104	16.691	-2.932	2.883	-92.126	-1477.83	1
47245_7246	47245	7246	527.104	-8.512	2.932	-2.883	122.442	1608.131	1
47246_7246	47246	7246	-527.11	8.512	-1.593	-1.2	-122.442	-1608.13	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
47246_7247	47246	7247	527.11	-1.173	1.593	1.2	137.226	1653.062	1
47247_7247	47247	7247	-527.212	-16.941	2.27	4.518	-137.226	-1652.74	1
47247_7248	47247	7248	527.212	24.368	-2.27	-4.518	115.906	1458.786	1
47248_7248	47248	7248	-527.198	-24.368	4.416	-1.418	-115.906	-1458.79	1
47248_7249	47248	7249	527.198	32.467	-4.416	1.418	70.698	1167.854	1
47249_7249	47249	7249	-527.277	-47.033	8.956	1.028	-70.698	-1167.67	1
47249_7250	47249	7250	527.277	54.935	-8.956	-1.028	-18.769	658.384	1
47250_7250	47250	7250	-527.251	-54.935	10.365	-0.731	18.769	-658.384	1
47250_7251	47250	7251	527.251	62.552	-10.365	0.731	-118.583	92.685	1
47251_7251	47251	7251	-526.653	-79.531	-12.393	-23.741	118.583	-93.248	1
47251_7252	47251	7252	526.653	85.662	12.393	23.741	-22.523	-546.988	1
47252_7252	47252	7252	-526.701	-85.662	-10.159	-21.518	22.523	552.103	1
47252_7253	47252	7253	526.701	93.172	10.159	21.518	73.931	-1401.11	1.01
47253_7253	47253	7253	15.675	143.618	-23.612	57.419	-82.384	5388.214	1.01
47253_7254	47253	7254	-15.101	-137.881	23.612	-57.419	254.495	-4362.25	1.01
47254_7254	47254	7254	10.549	121.704	12.77	-4.087	-248.007	4360.7	1.01
47254_7255	47254	7255	-9.806	-112.542	-12.77	4.087	99.61	-2999.59	1.02
47255_7255	47255	7255	7.532	112.717	12.768	5.046	-100.102	2999.569	1.02
47255_7256	47255	7256	-7.052	-104.779	-12.768	-5.046	-28.272	-1906.16	1.03
47256_7256	47256	7256	4.717	89.184	0.74	-0.111	28.557	1906.04	1.03
47256_7257	47256	7257	-4.397	-81.759	-0.74	0.111	-35.504	-1103.07	1.05
47257_7257	47257	7257	2.979	81.823	0.738	1.347	35.444	1103.443	1.05
47257_7258	47257	7258	-2.833	-76.174	-0.738	-1.347	-40.713	-539.049	1.05
47258_7258	47258	7258	2.136	76.197	0.737	1.628	40.713	539.049	1.05
47258_7259	47258	7259	-2.069	-72.164	-0.737	-1.628	-44.469	-160.836	1.05
47259_7259	47259	7259	1.252	52.444	-0.48	2.785	44.471	160.845	1.05
47259_7260	47259	7260	-1.205	-45.942	0.48	-2.785	-40.742	220.884	1
47260_7260	47260	7260	0.876	45.949	-0.483	1.786	40.761	-220.959	1
47260_7261	47260	7261	-0.876	-38.675	0.483	-1.786	-36.567	588.229	1
47261_7261	47261	7261	0.875	38.675	-0.484	1.118	36.567	-588.231	1
47261_7262	47261	7262	-0.875	-31.924	0.484	-1.118	-32.667	872.611	1
47262_7262	47262	7262	0.878	10.831	0.597	1.997	32.667	-872.633	1
47262_7263	47262	7263	-0.878	-1.126	-0.597	-1.997	-39.587	941.875	1
47263_7263	47263	7263	0.88	1.126	0.596	-0.01	39.587	-941.877	1
47263_7264	47263	7264	-0.88	8.489	-0.596	0.01	-46.42	899.635	1
47264_7264	47264	7264	0.868	-27.632	-0.666	-0.497	46.42	-899.666	1
47264_7265	47264	7265	-0.868	37.447	0.666	0.497	-38.617	518.549	1
47265_7265	47265	7265	0.865	-37.447	-0.669	-2.383	38.617	-518.544	1
47265_7266	47265	7266	-0.865	46.954	0.669	2.383	-31.022	39.79	1
47266_7266	47266	7266	0.875	-66.697	0.146	-5.611	31.022	-39.691	1
47266_7267	47266	7267	-0.875	76.309	-0.146	5.611	-32.697	-780.501	1
47267_7267	47267	7267	0.875	-76.309	0.143	-3.252	32.697	780.515	1
47267_7268	47267	7268	-0.875	86.011	-0.143	3.252	-34.357	-1720.1	1
47268_7268	47268	7268	0.851	-109.749	-0.785	-12.538	34.357	1720.339	1
47268_7269	47268	7269	-0.851	113.097	0.785	12.538	-31.22	-2165.51	1.07
47269_7269	47269	7269	1.86	-113.085	-0.787	-7.554	31.153	2165.494	1.07
47269_7270	47269	7270	-1.933	121.268	0.787	7.554	-23.465	-3309.69	1.04
47270_7270	47270	7270	3.836	-121.223	-0.79	0.834	23.559	3309.701	1.04
47270_7271	47270	7271	-4.047	129.807	0.79	-0.834	-15.468	-4595.89	1.04
47271_7271	47271	7271	7.637	-151.165	-7.469	-16.997	14.687	4597.103	1.04
47271_7272	47271	7272	-8.103	161.442	7.469	16.997	77.015	-6516.05	1.03
47272_7272	47272	7272	11.687	-161.222	-7.473	11.95	-75.529	6516.078	1.03
47272_7273	47272	7273	-12.395	171.651	7.473	-11.95	168.739	-8592.16	1.03
47273_7273	47273	7273	16.528	-174.579	18.837	-36.447	-172.889	8594.4	1.03

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
47273_7274	47273	7274	-16.925	179.226	-18.837	36.447	68.055	-9578.93	1.03
47274_7274	47274	7274	19.388	-178.977	18.833	-13.089	-66.32	9579.001	1.03
47274_7275	47274	7275	-20.051	185.674	-18.833	13.089	-84.918	-11043.2	1.02
47275_7275	47275	7275	-790.898	127.455	14.541	33.607	171.949	3513.907	1.02
47275_7276	47275	7276	790.898	-122.847	-14.541	-33.607	-251.915	-2825.67	1
47276_7276	47276	7276	-791.815	101.321	-17.435	-7.061	251.915	2826.885	1
47276_7277	47276	7277	791.815	-97.878	17.435	7.061	-182.205	-2428.66	1
47277_7277	47277	7277	-791.844	97.878	-16.082	-1.127	182.205	2340.769	1
47277_7278	47277	7278	791.844	-89.156	16.082	1.127	-19.281	-1393.39	1
47278_7278	47278	7278	-791.887	89.156	-13.806	2.88	19.281	1393.386	1
47278_7279	47278	7279	791.887	-81.216	13.806	-2.88	108.03	-607.831	1
47279_7279	47279	7279	-791.864	57.878	-8.994	0.93	-108.03	607.895	1
47279_7280	47279	7280	791.864	-47.826	8.994	-0.93	213.034	9.152	1
47280_7280	47280	7280	-791.895	47.826	-5.685	0.892	-213.034	-9.156	1
47280_7281	47280	7281	791.895	-37.337	5.685	-0.892	282.29	527.892	1
47281_7281	47281	7281	-791.644	18.21	8.973	0.58	-282.29	-117.44	1
47281_7282	47281	7282	791.644	-10.948	-8.973	-0.58	171.078	298.124	1
47282_7282	47282	7282	-791.616	10.948	11.211	-0.263	-171.078	-298.125	1
47282_7283	47282	7283	791.616	-4.23	-11.211	0.263	42.56	385.121	1
47283_7283	47283	7283	-792.017	-23.496	-7.216	0.508	-42.56	-385.202	1
47283_7284	47283	7284	792.017	29.77	7.216	-0.508	119.817	100.066	1
47284_7284	47284	7284	-792.039	-29.77	-3.998	0.102	-119.817	-100.067	1
47284_7285	47284	7285	792.039	35.463	3.998	-0.102	158.655	-216.822	1
47285_7285	47285	7285	-792.13	-57.915	16.726	-7.674	-158.655	216.777	1
47285_7286	47285	7286	792.13	62.702	-16.726	7.674	22.002	-709.51	1
47286_7286	47286	7286	-792.101	-62.702	18.08	-6.461	-22.002	709.522	1
47286_7287	47286	7287	792.101	67.007	-18.08	6.461	-110.822	-1185.98	1
47287_7287	47287	7287	-792.058	-67.007	19.842	-2.916	110.822	1222.149	1
47287_7288	47287	7288	792.058	71.703	-19.842	2.916	-269.826	-1777.92	1.02
47288_7288	47288	7288	30.309	223.663	-3.574	-3.19	-25.388	8724.51	1.02
47288_7289	47288	7289	-29.683	-216.246	3.574	3.19	70.775	-5930.9	1.02
47289_7289	47289	7289	26.427	216.668	-3.611	17.516	-72.178	5930.86	1.02
47289_7290	47289	7290	-25.98	-210.217	3.611	-17.516	112.03	-3575.49	1.03
47290_7290	47290	7290	20.383	183.749	3.063	-0.013	-110.676	3576.186	1.03
47290_7291	47290	7291	-20.175	-179.433	-3.063	0.013	88.095	-2237.23	1.05
47291_7291	47291	7291	17.007	179.761	3.052	3.548	-88.142	2237.221	1.05
47291_7292	47291	7292	-16.852	-174.659	-3.052	-3.548	61.556	-693.599	1.14
47292_7292	47292	7292	14.083	174.905	3.004	6.868	-61.525	695.783	1.14
47292_7293	47292	7293	-14.046	-172.402	-3.004	-6.868	48.697	45.846	1
47293_7293	47293	7293	12.048	154.392	0.375	6.475	-48.616	-45.83	1
47293_7294	47293	7294	-12.033	-150.209	-0.375	-6.475	45.937	1132.974	1
47294_7294	47294	7294	11.469	150.253	0.354	4.556	-45.912	-1132.98	1
47294_7295	47294	7295	-11.469	-145.216	-0.354	-4.556	42.868	2402.891	1
47295_7295	47295	7295	11.47	145.216	0.328	-0.862	-42.868	-2405.96	1
47295_7296	47295	7296	-11.47	-141.083	-0.328	0.862	40.555	3415.515	1
47296_7296	47296	7296	11.479	117.752	0.741	10.938	-40.555	-3415.93	1
47296_7297	47296	7297	-11.479	-111.139	-0.741	-10.938	32.417	4673.304	1
47297_7297	47297	7297	11.481	111.139	0.711	-1.371	-32.417	-4673.32	1
47297_7298	47297	7298	-11.481	-104.28	-0.711	1.371	24.321	5900.514	1
47298_7298	47298	7298	11.479	80.556	0.449	17.7	-24.321	-5901.19	1
47298_7299	47298	7299	-11.479	-73.796	-0.449	-17.7	19.277	6767.733	1
47299_7299	47299	7299	11.481	73.796	0.407	-7.007	-19.277	-6767.75	1
47299_7300	47299	7300	-11.481	-66.208	-0.407	7.007	14.143	7650.15	1
47300_7300	47300	7300	11.486	42.388	0.546	16.368	-14.143	-7651.01	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
47300_7301	47300	7301	-11.486	-35.052	-0.546	-16.368	7.488	8122.823	1
47301_7301	47301	7301	11.488	35.052	0.509	-10.001	-7.488	-8122.83	1
47301_7302	47301	7302	-11.488	-28.039	-0.509	10.001	1.561	8490.311	1
47302_7302	47302	7302	11.487	3.753	0.328	16.722	-1.561	-8491.14	1
47302_7303	47302	7303	-11.487	3.942	-0.328	-16.722	-2.634	8489.931	1
47303_7303	47303	7303	11.488	-3.942	0.285	-14.957	2.634	-8489.94	1
47303_7304	47303	7304	-11.488	10.594	-0.285	14.957	-5.786	8409.627	1
47304_7304	47304	7304	11.482	-36.015	-0.025	14.583	5.786	-8410.55	1
47304_7305	47304	7305	-11.482	42.971	0.025	-14.583	-5.499	7954.228	1
47305_7305	47305	7305	11.482	-42.971	-0.066	-13.665	5.499	-7954.23	1
47305_7306	47305	7306	-11.482	50.356	0.066	13.665	-4.693	7381.759	1
47306_7306	47306	7306	11.474	-77.301	-0.663	10.972	4.693	-7382.45	1
47306_7307	47306	7307	-11.474	84.456	0.663	-10.972	3.181	6421.177	1
47307_7307	47307	7307	11.472	-84.456	-0.708	-14.721	-3.181	-6421.17	1
47307_7308	47307	7308	-11.472	91.644	0.708	14.721	11.64	5369.901	1
47308_7308	47308	7308	11.59	-124.494	6.915	4.766	-11.64	-5370.3	1
47308_7309	47308	7309	-11.59	131.719	-6.915	-4.766	-71.343	3832.916	1
47309_7309	47309	7309	11.619	-131.719	6.866	-11.41	71.343	-3832.9	1
47309_7310	47309	7310	-11.619	138.833	-6.866	11.41	-152.481	2234.27	1
47310_7310	47310	7310	11.38	-166.724	-11.399	-4.908	152.481	-2234.37	1
47310_7311	47310	7311	-11.38	174.777	11.399	4.908	0	-49.645	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1	2	3	4	5	6	7	8	9
7000_7000	7000	7000	82.09688	590.2838	3.930938	4.096313	0	-456.455
7000_7001	7000	7001	-70.5456	-550.073	-3.93094	-4.09631	-41.2978	6394.066
7001_7001	7001	7001	70.54556	550.0727	3.930938	4.125188	41.29781	-6394.07
7001_7002	7001	7002	-60.2136	-514.11	-3.93094	-4.12519	-78.2316	11346.39
7002_7002	7002	7002	60.16763	439.8161	-3.49781	10.94231	78.23156	-11346.4
7002_7003	7002	7003	-51.7611	-393.476	3.497813	-10.9423	-35.8798	16353.17
7003_7003	7003	7003	51.75581	393.4757	-3.49781	-3.61988	35.87981	-16353.2
7003_7004	7003	7004	-43.344	-347.104	3.497813	3.619875	6.507375	20801.84
7004_7004	7004	7004	43.36631	288.5203	-0.11156	22.77319	-6.50738	-20802
7004_7005	7004	7005	-35.6685	-242.19	0.111563	-22.7732	7.854	23979.45
7005_7005	7005	7005	35.6685	242.1904	-0.11156	-17.7542	-7.854	-23979.5
7005_7006	7005	7006	-27.9654	-195.834	0.111563	17.75419	9.209813	26597.52
7006_7006	7006	7006	27.96675	140.0319	1.278375	24.73144	-9.20981	-26597.7
7006_7007	7006	7007	-23.0672	-93.6797	-1.27838	-24.7314	-6.279	27991.26
7007_7007	7007	7007	23.06981	93.67969	1.278375	-22.5868	6.279	-27991.3
7007_7008	7007	7008	-18.1676	-47.2999	-1.27838	22.58681	-21.7691	28823.8
7008_7008	7008	7008	18.16238	-7.90256	-0.46725	23.71425	21.76913	-28824
7008_7009	7008	7009	-16.632	54.24038	0.46725	-23.7143	-16.1057	28441.72
7009_7009	7009	7009	16.63069	-54.2404	-0.46856	-24.2826	16.10569	-28441.7
7009_7010	7009	7010	-15.1003	100.6058	0.468563	24.28256	-10.4304	27497.71
7010_7010	7010	7010	15.1095	-154.476	0.910875	18.52988	10.43044	-27498
7010_7011	7010	7011	-16.7921	200.8374	-0.91088	-18.5299	-21.462	25354.8
7011_7011	7011	7011	16.79344	-200.837	0.909563	-21.5499	21.462	-25354.8
7011_7012	7011	7012	-18.4748	247.1884	-0.90956	21.54994	-32.4844	22650.62
7012_7012	7012	7012	18.47344	-302.33	0.711375	13.12238	32.48438	-22650.8
7012_7013	7012	7013	-23.4019	348.6774	-0.71138	-13.1224	-41.0957	18732.96
7013_7013	7013	7013	23.40188	-348.677	0.710063	-17.9366	41.09569	-18733
7013_7014	7013	7014	-28.3329	395.0533	-0.71006	17.93663	-49.7044	14250.95
7014_7014	7014	7014	28.33819	-451.913	0.30975	2.0265	49.70438	-14251.1
7014_7015	7014	7015	-33.9124	512.5457	-0.30975	-2.0265	-54.6026	6638.751
7015_7015	7015	7015	32.15231	-511.112	0.202125	-5.75138	53.17725	-6580.57
7015_7016	7015	7016	-37.2264	540.6306	-0.20213	5.756625	-54.8481	2250.819
7016_7016	7016	7016	82.089	-603.365	0.238875	-5.13319	60.4905	-2407.25
7016_7017	7016	7017	-94.7625	645.4967	-0.23888	5.145	-63.2953	-5177.61
7017_7017	7017	7017	113.4459	-642.653	0.23625	2.52	63.70613	5174.141
7017_7018	7017	7018	-126.144	693.6864	-0.23625	-2.50031	-66.8483	-13968.5
7018_7018	7018	7018	151.1501	-753.827	-0.89644	-27.6754	64.37025	13968.83
7018_7019	7018	7019	-162.414	804.4365	0.896438	27.61369	-53.1313	-23651.4
7019_7019	7019	7019	184.5113	-800.193	-0.89775	26.60175	58.87219	23652.49
7019_7020	7019	7020	-194.461	854.0556	0.89775	-26.67	-47.5755	-33770.8
7020_7020	7020	7020	-3138.26	281.2451	-28.9695	-4.116	657.9064	7344.44
7020_7021	7020	7021	3137.812	-246.371	28.9695	4.116	-382.721	-4836.75
7021_7021	7021	7021	-3138.44	246.3733	-27.2357	-1.2495	384.3788	4839.819
7021_7022	7021	7022	3138.069	-220.693	27.23569	1.2495	-173.364	-3029.04
7022_7022	7022	7022	-3138.1	220.6929	-23.1853	2.800875	173.3642	3029.044
7022_7023	7022	7023	3137.723	-195.017	23.18531	-2.80088	6.2475	-1417.45
7023_7023	7023	7023	-3137.76	131.6477	-8.64675	-0.966	-6.2475	1417.327
7023_7024	7023	7024	3137.076	-105.108	8.64675	0.966	75.48975	-466.774
7024_7024	7024	7024	-3137.08	105.1076	-5.15156	-0.31369	-75.4898	466.7749
7024_7025	7024	7025	3136.401	-78.6043	5.151563	0.313688	116.6852	270.3894
7025_7025	7025	7025	-3136.4	78.60431	-5.15156	-0.31369	-116.685	-270.389
7025_7026	7025	7026	3135.717	-52.101	5.151563	0.313688	157.8806	795.6204
7026_7026	7026	7026	-3135.72	-10.6759	-4.83656	-0.23756	-157.881	-795.749
7026_7027	7026	7027	3134.478	30.576	4.836563	0.237563	186.9197	676.8339
7027_7027	7027	7027	-3134.48	-30.576	-5.39831	-0.1365	-186.92	-676.834
7027_7028	7027	7028	3133.234	50.44463	5.398313	0.1365	219.2754	438.9236
7028_7028	7028	7028	-3133.24	-50.4446	0.392438	-0.75469	-219.275	-438.924
7028_7029	7028	7029	3131.994	70.34081	-0.39244	0.754688	216.9221	81.30413

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7029_7029	7029	7029	-3131.99	-70.3408	0.392438	-0.75469	-216.922	-81.3041
7029_7030	7029	7030	3130.75	90.23831	-0.39244	0.754688	214.5675	-395.762
7030_7030	7030	7030	-3130.75	-152.528	2.096063	-1.93463	-214.568	395.7424
7030_7031	7030	7031	3128.127	179.0211	-2.09606	1.934625	197.8174	-1710.36
7031_7031	7031	7031	-3128.13	-179.021	2.505563	-1.70363	-197.817	1710.362
7031_7032	7031	7032	3125.497	205.5467	-2.50556	1.703625	177.7676	-3238.78
7032_7032	7032	7032	-3125.49	-205.547	6.428625	2.392688	-177.768	3238.778
7032_7033	7032	7033	3122.861	232.0697	-6.42863	-2.39269	126.3229	-4979.25
7033_7033	7033	7033	-3122.8	-296.562	19.6665	0.095813	-126.323	4979.342
7033_7034	7033	7034	3119.793	322.2463	-19.6665	-0.09581	-26.0781	-7365.05
7034_7034	7034	7034	-3119.81	-322.246	15.6135	-9.38831	26.07806	7365.041
7034_7035	7034	7035	3116.807	347.9346	-15.6135	9.388313	-147.092	-9950.14
7035_7035	7035	7035	-3117.78	-347.952	21.57094	9.645563	145.7111	9955.021
7035_7036	7035	7036	3114.254	382.8195	-21.5709	-9.64556	-350.585	-13679.5
7036_7036	7036	7036	205.9838	714.4318	-0.06431	-14.2144	-27.4851	42366.21
7036_7037	7036	7037	-200.231	-660.517	0.064313	14.16581	28.29356	-33584.6
7037_7037	7037	7037	181.9939	664.7944	-0.084	12.69975	-30.9999	33583.49
7037_7038	7037	7038	-175.954	-614.148	0.084	-12.7431	32.05913	-25441.2
7038_7038	7038	7038	155.3528	562.2868	2.2575	-7.81856	-30.3765	25441.27
7038_7039	7038	7039	-149.091	-511.191	-2.2575	7.842188	0.4095	-18388.5
7039_7039	7039	7039	805.3238	505.3821	1.300688	7.663688	-0.05119	14680.21
7039_7040	7039	7040	-808.698	-463.428	-1.30069	-7.67681	-15.2473	-9035.3
7040_7040	7040	7040	798.2546	402.7498	0.063	2.867813	15.52294	9036.858
7040_7041	7040	7041	-773.006	-373.842	-0.063	-2.87044	-16.0374	-5974.84
7041_7041	7041	7041	876.9574	377.1731	-0.07088	-0.63	13.84819	5415.74
7041_7042	7041	7042	-782.779	-328.714	0.070875	0.63	-12.7641	-89.0243
7042_7042	7042	7042	782.7855	269.1518	-0.11944	7.225313	12.76406	89.04788
7042_7043	7042	7043	-715.1	-231.77	0.119438	-7.22531	-11.3492	2585.962
7043_7043	7043	7043	715.0986	231.7704	-0.18769	-6.60319	11.34919	-2585.96
7043_7044	7043	7044	-647.422	-194.394	0.187688	6.603188	-9.11269	4815.825
7044_7044	7044	7044	647.4274	141.1108	-0.05119	4.14225	9.112688	-4815.84
7044_7045	7044	7045	-583.032	-103.706	0.051188	-4.14225	-8.49581	5980.75
7045_7045	7045	7045	583.0322	103.7059	-0.08269	-3.75638	8.495813	-5980.75
7045_7046	7045	7046	-518.696	-66.3364	0.082688	3.756375	-7.50488	6699.827
7046_7046	7046	7046	518.6921	12.82969	0.1995	7.9485	7.504875	-6699.84
7046_7047	7046	7047	-458.412	24.56606	-0.1995	-7.9485	-9.88444	6353.881
7047_7047	7047	7047	458.4116	-24.5661	0.13125	-7.91569	9.884438	-6353.88
7047_7048	7047	7048	-398.139	61.95656	-0.13125	7.915688	-11.4411	5562.89
7048_7048	7048	7048	398.1364	-116.078	-0.09581	2.22075	11.44106	-5562.91
7048_7049	7048	7049	-341.759	153.4641	0.095813	-2.22075	-10.3018	3698.419
7049_7049	7049	7049	341.7593	-153.464	-0.12994	-2.478	10.30181	-3698.42
7049_7050	7049	7050	-285.385	190.8493	0.129938	2.478	-8.75175	1389.12
7050_7050	7050	7050	285.3848	-245.452	0.542063	-1.40963	8.75175	-1389.12
7050_7051	7050	7051	-214.487	293.895	-0.54206	1.409625	-17.1189	-3501.63
7051_7051	7051	7051	213.3298	-291.683	0.489563	2.8455	17.26988	3527.834
7051_7052	7051	7052	-177.621	318.4466	-0.48956	-2.84288	-21.3111	-6154.37
7052_7052	7052	7052	186.7202	-377.293	-0.50006	-9.60488	20.97375	6155.253
7052_7053	7052	7053	-144.782	415.9733	0.500063	9.615375	-15.0964	-11017.2
7053_7053	7053	7053	135.6443	-412.625	-0.32419	15.19744	27.0165	11133.62
7053_7054	7053	7054	-113.487	462.1496	0.324188	-15.1817	-22.7168	-17285.1
7054_7054	7054	7054	131.9312	-515.975	-1.32169	-19.8594	20.04319	17287.77
7054_7055	7054	7055	-126.21	564.8173	1.321688	19.82794	-3.47025	-23917
7055_7055	7055	7055	142.0033	-559.615	-1.38731	20.92913	7.735875	23920.95
7055_7056	7055	7056	-146.953	611.3192	1.387313	-20.9633	9.70725	-31130.5
7056_7056	7056	7056	-2604.39	354.1099	-21.4436	-6.89588	395.3828	9788.078
7056_7057	7056	7057	2615.646	-320.291	21.44363	6.895875	-191.531	-6634.08
7057_7057	7057	7057	-2617.64	320.2894	-18.2608	1.760063	193.0123	6593.81
7057_7058	7057	7058	2626.882	-293.32	18.26081	-1.76006	-51.4723	-4257.98
7058_7058	7058	7058	-2626.9	293.3201	-14.5963	8.16375	51.47231	4257.974

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7058_7059	7058	7059	2636.139	-266.354	14.59631	-8.16375	61.65731	-2131.38
7059_7059	7059	7059	-2636.13	205.4168	-8.44594	-1.00013	-61.6573	2131.467
7059_7060	7059	7060	2645.174	-177.611	8.445938	1.000125	129.1513	-642.6
7060_7060	7060	7060	-2645.18	177.6114	-4.63838	1.094625	-129.151	642.5974
7060_7061	7060	7061	2654.239	-149.775	4.638375	-1.09463	166.257	625.4207
7061_7061	7061	7061	-2654.24	149.7746	-1.08806	1.594688	-166.257	-625.423
7061_7062	7061	7062	2663.296	-121.94	1.088063	-1.59469	174.9589	1670.655
7062_7062	7062	7062	-2663.3	62.72044	-3.71044	1.488375	-174.959	-1670.84
7062_7063	7062	7063	2669.44	-41.8268	3.710438	-1.48838	197.2412	1956.109
7063_7063	7063	7063	-2669.44	41.82675	1.019813	0.237563	-197.241	-1956.11
7063_7064	7063	7064	2675.582	-20.937	-1.01981	-0.23756	191.1158	2115.915
7064_7064	7064	7064	-2675.58	20.937	0.695625	0.333375	-191.116	-2115.92
7064_7065	7064	7065	2681.713	-0.08006	-0.69563	-0.33338	186.9459	2150.337
7065_7065	7065	7065	-2681.71	0.080063	1.019813	0.2415	-186.946	-2150.34
7065_7066	7065	7066	2687.854	20.80969	-1.01981	-0.2415	180.8218	2059.491
7066_7066	7066	7066	-2687.85	-80.4405	5.676563	0.570938	-180.822	-2059.39
7066_7067	7066	7067	2695.04	108.2681	-5.67656	-0.57094	135.4238	1270.675
7067_7067	7067	7067	-2695.04	-108.268	5.676563	0.570938	-135.424	-1270.67
7067_7068	7067	7068	2702.228	136.0944	-5.67656	-0.57094	90.02569	259.413
7068_7068	7068	7068	-2702.23	-136.094	5.9115	0.6825	-90.0257	-259.414
7068_7069	7068	7069	2709.425	163.9562	-5.9115	-0.6825	42.68381	-976.076
7069_7069	7069	7069	-2709.38	-223.88	16.90763	-3.82725	-42.6838	976.2638
7069_7070	7069	7070	2716.196	250.8319	-16.9076	3.82725	-88.2853	-2847.47
7070_7070	7070	7070	-2716.18	-250.832	20.57606	2.143313	88.28531	2847.466
7070_7071	7070	7071	2722.994	277.7814	-20.5761	-2.14331	-247.657	-4927.27
7071_7071	7071	7071	-2719.28	-277.78	20.80181	3.177563	248.8933	4961.039
7071_7072	7071	7072	2727.43	311.5718	-20.8018	-3.17756	-446.49	-7799.29
7072_7072	7072	7072	93.85425	657.4733	1.099875	-8.72681	-4.34438	28686.19
7072_7073	7072	7073	-53.6839	-606.207	-1.09988	8.682188	-9.49069	-20833.8
7073_7073	7073	7073	36.84844	611.4189	1.069688	10.85044	7.432688	20831.31
7073_7074	7073	7074	4.81425	-563.123	-1.06969	-10.8911	-20.8517	-13548.3
7074_7074	7074	7074	-24.0568	512.7623	0.0735	0.434438	21.77306	13547.09
7074_7075	7074	7075	59.76075	-463.799	-0.0735	-0.40031	-22.7483	-7118.75
7075_7075	7075	7075	572.3576	459.3133	0.317625	1.32825	15.11213	3650.752
7075_7076	7075	7076	-571.421	-421.977	-0.31763	-1.30856	-18.8396	1448.272
7076_7076	7076	7076	561.8379	365.4788	0.069563	6.256688	18.80025	-1447.46
7076_7077	7076	7077	-546.665	-339.647	-0.06956	-6.25931	-19.3751	4271.813
7077_7077	7077	7077	504.2966	343.0245	0.061688	-4.03725	21.52894	-4229.47
7077_7078	7077	7078	-464.448	-296.621	-0.06169	4.03725	-22.3952	8514.618
7078_7078	7078	7078	464.4426	246.1817	-0.56569	6.964125	22.39519	-8514.66
7078_7079	7078	7079	-434.85	-209.024	0.565688	-6.96413	-16.0584	10924.03
7079_7079	7079	7079	434.8483	209.0235	-0.5985	-4.914	16.05844	-10924
7079_7080	7079	7080	-405.283	-171.898	0.5985	4.914	-9.366	12915.67
7080_7080	7080	7080	405.2869	124.2859	0.128625	8.314688	9.366	-12915.8
7080_7081	7080	7081	-378.618	-87.1658	-0.12863	-8.31469	-10.8019	13971.77
7081_7081	7081	7081	378.6182	87.16575	0.091875	-7.14525	10.80188	-13971.8
7081_7082	7081	7082	-351.926	-50.0128	-0.09188	7.14525	-11.8361	14612.94
7082_7082	7082	7082	351.9285	-0.19819	-0.12469	6.886688	11.83613	-14613.1
7082_7083	7082	7083	-326.949	40.10606	0.124688	-6.88669	-10.3373	14250.58
7083_7083	7083	7083	326.949	-40.1061	-0.15619	-6.50213	10.33725	-14250.6
7083_7084	7083	7084	-301.971	80.01263	0.156188	6.502125	-8.45644	13408.26
7084_7084	7084	7084	301.9721	-129.8	-0.11419	5.230313	8.456438	-13408.4
7084_7085	7084	7085	-282.153	166.9448	0.114188	-5.23031	-7.17413	11650.61
7085_7085	7085	7085	282.1534	-166.945	-0.147	-5.77238	7.174125	-11650.6
7085_7086	7085	7086	-262.352	204.0557	0.147	5.772375	-5.52825	9479.34
7086_7086	7086	7086	262.3478	-252.537	0.035438	5.756625	5.52825	-9479.35
7086_7087	7086	7087	-245.764	289.6793	-0.03544	-5.75663	-5.91806	6362.051
7087_7087	7087	7087	245.763	-289.679	-0.03413	-6.94706	5.918063	-6362.05
7087_7088	7087	7088	-229.181	326.8191	0.034125	6.947063	-5.54269	2829.363

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7088_7088	7088	7088	229.1835	-374.887	0.186375	-2.65519	5.542688	-2829.37
7088_7089	7088	7089	-210.98	419.5328	-0.18638	2.655188	-8.05481	-2607.01
7089_7089	7089	7089	214.8786	-417.279	0.107625	1.823063	7.914375	2673.174
7089_7090	7089	7090	-203.587	444.5884	-0.10763	-1.82175	-8.79769	-6471.29
7090_7090	7090	7090	214.9849	-496.64	-0.46856	-11.6983	8.397375	6471.895
7090_7091	7090	7091	-203.297	535.9791	0.468563	11.7075	-2.89144	-12670.5
7091_7091	7091	7091	200.3151	-531.122	-0.27169	8.780625	10.16663	12771.16
7091_7092	7091	7092	-195.114	579.7418	0.271688	-8.77406	-6.56644	-20146.4
7092_7092	7092	7092	216.5376	-631.355	-1.20356	-23.4898	3.948	20148.44
7092_7093	7092	7093	-217.644	679.4261	1.203563	23.43994	11.14706	-28488.5
7093_7093	7093	7093	236.4259	-672.893	-1.26656	23.60269	-6.31838	28492.07
7093_7094	7093	7094	-241.571	723.9002	1.266563	-23.6578	22.25344	-37391
7094_7094	7094	7094	-2918.14	316.3151	-14.469	-6.99956	208.7046	10643.58
7094_7095	7094	7095	2924.125	-283.083	14.469	6.999563	-71.1651	-7715.78
7095_7095	7095	7095	-2926.5	283.0971	-11.571	0.359625	69.55725	7727.331
7095_7096	7095	7096	2931.151	-256.799	11.571	-0.35963	20.05369	-5657.27
7096_7096	7096	7096	-2931.16	256.7985	-7.44581	8.574563	-20.0537	5657.266
7096_7097	7096	7097	2935.813	-230.468	7.445813	-8.57456	77.78925	-3788.68
7097_7097	7097	7097	-2935.82	172.6436	-0.63263	-3.77738	-77.7893	3788.664
7097_7098	7097	7098	2940.259	-145.497	0.632625	3.777375	82.84894	-2536.8
7098_7098	7098	7098	-2940.26	145.4972	3.36	0.305813	-82.8489	2536.8
7098_7099	7098	7099	2944.703	-118.318	-3.36	-0.30581	55.95844	-1500.84
7099_7099	7099	7099	-2944.7	118.3179	7.221375	3.038438	-55.9584	1500.833
7099_7100	7099	7100	2949.142	-91.14	-7.22138	-3.03844	-1.84275	-682.445
7100_7100	7100	7100	-2949.17	33.97669	-0.66675	-0.15356	1.84275	682.5879
7100_7101	7100	7101	2951.885	-13.6264	0.66675	0.153563	2.1525	-552.366
7101_7101	7101	7101	-2951.88	13.62638	4.64625	2.155125	-2.1525	552.363
7101_7102	7101	7102	2954.602	6.75675	-4.64625	-2.15513	-25.7394	-544.184
7102_7102	7102	7102	-2954.6	-6.75675	-5.65294	-2.43338	25.73944	544.1848
7102_7103	7102	7103	2957.321	27.14119	5.652938	2.433375	8.196563	-658.374
7103_7103	7103	7103	-2957.33	-27.1412	-0.66675	0.039375	-8.19656	658.3749
7103_7104	7103	7104	2960.042	47.49019	0.66675	-0.03938	12.19181	-894.429
7104_7104	7104	7104	-2960.04	-104.971	-5.97713	-2.34938	-12.1918	894.3073
7104_7105	7104	7105	2962.781	132.1491	5.977125	2.349375	60.03113	-1856.28
7105_7105	7105	7105	-2962.79	-132.149	-2.11444	1.177313	-60.0311	1856.282
7105_7106	7105	7106	2965.526	159.3257	2.114438	-1.17731	76.9545	-3035.74
7106_7106	7106	7106	-2965.53	-159.326	-2.22994	1.025063	-76.9545	3035.738
7106_7107	7106	7107	2968.263	186.4695	2.229938	-1.02506	94.78481	-4430.82
7107_7107	7107	7107	-2968.24	-243.719	9.594375	-3.84563	-94.7848	4430.894
7107_7108	7107	7108	2970.604	270.0456	-9.59438	3.845625	20.39494	-6434.04
7108_7108	7108	7108	-2970.6	-270.046	9.594375	-3.84563	-20.3949	6434.042
7108_7109	7108	7109	2972.965	296.3717	-9.59438	3.845625	-53.9949	-8641.3
7109_7109	7109	7109	-2973.54	-296.374	12.705	5.840625	54.07894	8644.184
7109_7110	7109	7110	2976.56	329.5635	-12.705	-5.84063	-174.69	-11746.4
7110_7110	7110	7110	226.6674	703.7664	0.51975	-26.0413	-7.62563	38773.68
7110_7111	7110	7111	-205.111	-652.939	-0.51975	25.99144	1.090688	-30210.8
7111_7111	7111	7111	186.9919	659.7623	0.431813	25.57406	-6.41681	30208.2
7111_7112	7111	7112	-163.692	-611.919	-0.43181	-25.62	1.008	-22428.9
7112_7112	7112	7112	143.2988	565.7295	0.353063	-3.74325	1.505438	22427.98
7112_7113	7112	7113	-121.475	-517.364	-0.35306	3.759	-6.1845	-15295.4
7113_7113	7113	7113	671.3228	515.9976	0.354375	5.893125	13.14206	12171.71
7113_7114	7113	7114	-670.312	-476.901	-0.35438	-5.88525	-17.3119	-6382.05
7114_7114	7114	7114	659.5746	422.3507	-0.07613	1.904438	17.45494	6383.315
7114_7115	7114	7115	-639.719	-395.324	0.076125	-1.90706	-16.8302	-3095.73
7115_7115	7115	7115	709.5244	398.7559	-0.12338	0.244125	16.54931	2473.317
7115_7116	7115	7116	-646.066	-355.577	0.123375	-0.24413	-14.8339	2727.203
7116_7116	7116	7116	646.0676	304.2349	-0.35044	5.007188	14.83388	-2727.2
7116_7117	7116	7117	-598.787	-269.649	0.350438	-5.00719	-10.9056	5718.661
7117_7117	7117	7117	598.7874	269.6492	-0.39769	-4.00838	10.90556	-5718.66

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7117_7118	7117	7118	-551.551	-235.096	0.397688	4.008375	-6.4575	8320.847
7118_7118	7118	7118	551.544	189.1956	-0.23625	0.307125	6.4575	-8320.79
7118_7119	7118	7119	-507.531	-154.611	0.23625	-0.30713	-3.81806	10038.57
7119_7119	7119	7119	507.5306	154.6112	-0.23625	0.307125	3.818063	-10038.6
7119_7120	7119	7120	-463.517	-120.028	0.23625	-0.30713	-1.17863	11369.32
7120_7120	7120	7120	463.5264	70.18725	-0.08006	12.033	1.178625	-11369.4
7120_7121	7120	7121	-420.379	-33.0396	0.080063	-12.033	-0.21263	11786.23
7121_7121	7121	7121	420.3793	33.03956	-0.16931	-11.9766	0.212625	-11786.2
7121_7122	7121	7122	-377.234	4.108125	0.169313	11.97656	1.819125	11756.51
7122_7122	7122	7122	377.2322	-53.4778	-0.19688	5.382563	-1.81913	-11756.5
7122_7123	7122	7123	-341.19	88.05825	0.196875	-5.38256	4.020188	10792.73
7123_7123	7123	7123	341.1896	-88.0583	-0.24413	-5.81569	-4.02019	-10792.7
7123_7124	7123	7124	-305.146	122.64	0.244125	5.815688	6.755438	9441.966
7124_7124	7124	7124	305.1458	-171.208	0.001313	6.844688	-6.75544	-9441.97
7124_7125	7124	7125	-273.24	205.7882	-0.00131	-6.84469	6.742313	7178.559
7125_7125	7125	7125	273.2402	-205.788	-0.0945	-7.62169	-6.74231	-7178.56
7125_7126	7125	7126	-241.335	240.3686	0.0945	7.621688	7.794938	4528.217
7126_7126	7126	7126	241.3438	-288.845	0.023625	-0.26906	-7.79494	-4528.22
7126_7127	7126	7127	-205.837	330.6253	-0.02363	0.269063	7.474688	177.0171
7127_7127	7127	7127	210.8741	-328.166	-0.06038	-0.58669	-7.70831	-119.998
7127_7128	7127	7128	-188.552	353.0179	0.060375	0.589313	8.207063	-2971.94
7128_7128	7128	7128	198.2059	-409.104	-0.75206	-6.68588	-8.42231	2972.79
7128_7129	7128	7129	-176.492	444.9388	0.752063	6.68325	17.26856	-8429.24
7129_7129	7129	7129	176.4643	-438.869	-1.77713	11.50931	-23.8718	8503.178
7129_7130	7129	7130	-170.683	485.8678	1.777125	-11.4752	47.47181	-14675.8
7130_7130	7130	7130	189.1247	-532.424	2.733938	-8.03906	-48.9969	14678.74
7130_7131	7130	7131	-193.695	578.8991	-2.73394	7.949813	14.68556	-21921.5
7131_7131	7131	7131	214.4349	-569.41	2.694563	8.522063	-12.9544	21927.13
7131_7132	7131	7132	-225.473	615.5363	-2.69456	-8.61919	-18.7727	-29150.1
7132_7132	7132	7132	-2550.47	284.6589	18.70575	8.192625	-231.885	7767.357
7132_7133	7132	7133	2554.512	-249.769	-18.7058	-8.19263	38.84738	-4802.81
7133_7133	7133	7133	-2563.68	249.7648	15.07538	0.900375	-38.0481	4847.438
7133_7134	7133	7134	2567.182	-225.81	-15.0754	-0.90038	-78.7881	-3021.34
7134_7134	7134	7134	-2567.23	225.8104	7.935375	-8.80819	78.78806	3021.323
7134_7135	7134	7135	2570.729	-201.826	-7.93538	8.808188	-140.365	-1378.86
7135_7135	7135	7135	-2570.7	151.4048	-4.07925	-1.0395	140.3653	1378.969
7135_7136	7135	7136	2575.116	-126.709	4.07925	1.0395	-107.773	-288.291
7136_7136	7136	7136	-2575.12	126.7088	-0.59194	0.4305	107.7733	288.2906
7136_7137	7136	7137	2579.539	-101.983	0.591938	-0.4305	-103.037	606.0508
7137_7137	7137	7137	-2579.54	101.9826	-0.59194	0.4305	103.0365	-606.051
7137_7138	7137	7138	2583.958	-77.2551	0.591938	-0.4305	-98.2997	1302.574
7138_7138	7138	7138	-2583.95	25.95994	-5.95219	0.290063	98.29969	-1302.65
7138_7139	7138	7139	2586.473	-7.41431	5.952188	-0.29006	-62.5866	1390.533
7139_7139	7139	7139	-2586.48	7.414313	-1.33219	-0.24675	62.58656	-1390.53
7139_7140	7139	7140	2589.001	11.13131	1.332188	0.24675	-54.5961	1367.149
7140_7140	7140	7140	-2589	-11.1313	-1.33219	-0.24675	54.59606	-1367.15
7140_7141	7140	7141	2591.523	29.67563	1.332188	0.24675	-46.6056	1232.489
7141_7141	7141	7141	-2591.52	-29.6756	-1.33219	-0.24675	46.60556	-1232.49
7141_7142	7141	7142	2594.046	48.22125	1.332188	0.24675	-38.6151	986.5577
7142_7142	7142	7142	-2594.04	-102.148	-5.6175	-1.15894	38.61506	-986.642
7142_7143	7142	7143	2596.267	126.8754	5.6175	1.158938	6.324938	58.72519
7143_7143	7143	7143	-2596.27	-126.875	-2.1525	0.358313	-6.32494	-58.7252
7143_7144	7143	7144	2598.495	151.6029	2.1525	-0.35831	23.54231	-1067
7144_7144	7144	7144	-2598.5	-151.603	-2.1525	0.358313	-23.5423	1067.003
7144_7145	7144	7145	2600.72	176.3291	2.1525	-0.35831	40.75969	-2390.55
7145_7145	7145	7145	-2600.73	-233.566	0.917438	2.118375	-40.7597	2390.459
7145_7146	7145	7146	2602.649	257.5204	-0.91744	-2.11838	33.65381	-4304.12
7146_7146	7146	7146	-2602.65	-257.52	-2.66044	-5.29988	-33.6538	4304.123
7146_7147	7146	7147	2604.571	281.4748	2.660438	5.299875	54.26925	-6403.45

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7147_7147	7147	7147	-2588.67	-281.479	0.627375	4.035938	-54.285	6325.844
7147_7148	7147	7148	2590.59	313.5969	-0.62738	-4.03594	48.32756	-9163.42
7148_7148	7148	7148	225.8156	606.1427	-0.35569	-11.3649	-15.9167	30907.19
7148_7149	7148	7149	-197.831	-556.963	0.355688	11.32425	20.39494	-23642.7
7149_7149	7149	7149	182.2734	565.0037	-0.42	10.77431	-22.6511	23639.6
7149_7150	7149	7150	-153.343	-518.789	0.42	-10.8124	27.92475	-16891.2
7150_7150	7150	7150	135.2571	470.0364	2.298188	-1.20881	-26.8157	16889.33
7150_7151	7150	7151	-111.216	-423.289	-2.29819	1.236375	-3.69075	-10986.2
7151_7151	7151	7151	790.8429	420.6274	0.70875	1.025063	-9.56288	7269.057
7151_7152	7151	7152	-784.69	-383.696	-0.70875	-1.0395	1.2285	-2672.12
7152_7152	7152	7152	775.8988	324.2479	-0.315	-3.30225	-1.155	2672.9
7152_7153	7152	7153	-750.796	-298.758	0.315	3.308813	3.752438	-235.835
7153_7153	7153	7153	791.9651	303.2164	-0.19556	1.750875	-4.29188	18.96825
7153_7154	7153	7154	-720.95	-262.039	0.195563	-1.75088	6.986438	3560.058
7154_7154	7154	7154	720.9418	206.6649	0.097125	0.148313	-6.98644	-3560.04
7154_7155	7154	7155	-668.429	-173.723	-0.09713	-0.14831	5.920688	5424.431
7155_7155	7155	7155	668.4287	173.7225	0.097125	0.148313	-5.92069	-5424.43
7155_7156	7155	7156	-615.916	-140.78	-0.09713	-0.14831	4.854938	6926.45
7156_7156	7156	7156	615.9182	93.75844	0.035438	-5.31038	-4.85494	-6926.45
7156_7157	7156	7157	-570.584	-63.8111	-0.03544	5.310375	4.49925	7516.642
7157_7157	7157	7157	570.5844	63.81113	0.107625	5.415375	-4.49925	-7516.64
7157_7158	7157	7158	-525.251	-33.8625	-0.10763	-5.41538	3.423	7807.355
7158_7158	7158	7158	525.2428	-9.51431	0.091875	-4.935	-3.423	-7807.32
7158_7159	7158	7159	-483.007	39.49181	-0.09188	4.935	2.508188	7376.765
7159_7159	7159	7159	483.0066	-39.4918	0.164063	4.822125	-2.50819	-7376.76
7159_7160	7159	7160	-440.811	69.43913	-0.16406	-4.82213	0.8715	6647.004
7160_7160	7160	7160	440.811	-118.18	0.139125	-3.08438	-0.8715	-6646.98
7160_7161	7160	7161	-398.017	151.1226	-0.13913	3.084375	-0.65494	4976.791
7161_7161	7161	7161	398.0169	-151.123	0.20475	2.7615	0.654938	-4976.79
7161_7162	7161	7162	-355.223	184.065	-0.20475	-2.7615	-2.90194	2944.22
7162_7162	7162	7162	355.2216	-237.09	0.353063	-0.31631	2.901938	-2944.24
7162_7163	7162	7163	-304.614	278.2671	-0.35306	0.316313	-7.76213	-832.439
7163_7163	7163	7163	309.8169	-274.799	0.284813	0.034125	7.788375	823.3815
7163_7164	7163	7164	-280.431	300.3446	-0.28481	-0.03413	-10.1417	-3355.14
7164_7164	7164	7164	289.128	-359.159	0.080063	-2.50163	10.06425	3356.13
7164_7165	7164	7165	-255.993	396.0154	-0.08006	2.513438	-11.0066	-8014.85
7165_7165	7165	7165	243.4464	-387.886	0.273	3.098813	14.36794	8146.447
7165_7166	7165	7166	-224.109	435.4416	-0.273	-3.087	-17.9944	-13830.3
7166_7166	7166	7166	242.6471	-495.937	-0.06169	-8.40263	17.09006	13833.05
7166_7167	7166	7167	-239.848	542.9064	0.061688	8.372438	-16.3223	-20544.9
7167_7167	7167	7167	255.0174	-533.447	-0.12338	9.127125	18.19125	20549.5
7167_7168	7167	7168	-262.218	583.2684	0.123375	-9.15994	-16.6464	-27480.4
7168_7168	7168	7168	-2432.35	322.1571	-2.13544	-4.50319	10.32806	7909.552
7168_7169	7168	7169	2441.117	-289.601	2.135438	4.503188	9.961875	-5041.45
7169_7169	7169	7169	-2449.38	289.5808	0.889875	1.9635	-8.61394	5081.812
7169_7170	7169	7170	2457.064	-264.965	-0.88988	-1.9635	1.722	-2966.19
7170_7170	7170	7170	-2457.06	264.9649	0.889875	1.9635	-1.722	2966.194
7170_7171	7170	7171	2464.746	-240.35	-0.88988	-1.9635	-5.16994	-1041.34
7171_7171	7171	7171	-2464.72	178.2296	1.026375	0.723188	5.169938	1041.205
7171_7172	7171	7172	2472.295	-152.821	-1.02638	-0.72319	-13.3796	250.0929
7172_7172	7172	7172	-2472.29	152.8209	-2.36775	-0.03938	13.37963	-250.093
7172_7173	7172	7173	2479.868	-127.411	2.36775	0.039375	5.561063	1338.123
7173_7173	7173	7173	-2479.87	127.4109	1.026375	-0.53944	-5.56106	-1338.12
7173_7174	7173	7174	2487.442	-102.002	-1.02638	0.539438	-2.64731	2222.868
7174_7174	7174	7174	-2487.45	43.69969	1.1445	-0.55519	2.647313	-2222.97
7174_7175	7174	7175	2492.468	-24.6422	-1.1445	0.555188	-9.51825	2405.874
7175_7175	7175	7175	-2492.47	24.64219	-3.37969	1.670813	9.51825	-2405.87
7175_7176	7175	7176	2497.487	-5.586	3.379688	-1.67081	10.76119	2474.431
7176_7176	7176	7176	-2497.49	5.586	1.1445	-0.57619	-10.7612	-2474.43

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7176_7177	7176	7177	2502.51	13.4715	-1.1445	0.576188	3.891563	2428.647
7177_7177	7177	7177	-2502.51	-13.4715	1.1445	-0.57619	-3.89156	-2428.65
7177_7178	7177	7178	2507.531	32.52769	-1.1445	0.576188	-2.97806	2268.52
7178_7178	7178	7178	-2507.53	-91.5429	0.821625	-0.567	2.978063	-2268.63
7178_7179	7178	7179	2513.23	116.9516	-0.82163	0.567	-9.55106	1409.076
7179_7179	7179	7179	-2513.23	-116.952	-2.5725	-0.43838	9.551063	-1409.08
7179_7180	7179	7180	2518.926	142.3616	2.5725	0.438375	11.02631	346.2388
7180_7180	7180	7180	-2518.93	-142.362	0.821625	0.847875	-11.0263	-346.24
7180_7181	7180	7181	2524.624	167.7703	-0.82163	-0.84788	4.454625	-919.864
7181_7181	7181	7181	-2524.6	-229.369	1.17075	2.632875	-4.45463	919.7423
7181_7182	7181	7182	2530.07	253.9832	-1.17075	-2.63288	-4.61606	-2817.47
7182_7182	7182	7182	-2530.07	-253.983	1.17075	2.632875	4.616063	2817.47
7182_7183	7182	7183	2535.536	278.5991	-1.17075	-2.63288	-13.6868	-4905.97
7183_7183	7183	7183	-2519.39	-278.593	-2.00944	-4.90875	13.314	4827.22
7183_7184	7183	7184	2525.686	311.1504	2.009438	4.90875	5.773688	-7810.04
7184_7184	7184	7184	217.5692	597.7256	0.459375	9.65475	-20.7231	27660.13
7184_7185	7184	7185	-181.204	-548.286	-0.45938	-9.68888	14.952	-20537.6
7185_7185	7185	7185	165.7845	557.9175	0.522375	-8.90794	-12.9623	20533.93
7185_7186	7185	7186	-129.923	-511.405	-0.52238	8.87775	6.406313	-13786.4
7186_7186	7186	7186	111.6426	458.5324	-1.09725	-0.80456	-7.14131	13784.38
7186_7187	7186	7187	-84.126	-411.361	1.09725	0.805875	21.71006	-8077.96
7187_7187	7187	7187	742.7477	410.7246	0.213938	1.000125	-4.32994	4185.938
7187_7188	7187	7188	-739.001	-372.2	-0.21394	-0.97913	1.820438	674.2948
7188_7188	7188	7188	730.3577	308.7617	0.080063	-4.50188	-1.73644	-672.903
7188_7189	7188	7189	-710.055	-282.118	-0.08006	4.500563	1.072313	2950.257
7189_7189	7189	7189	733.8293	287.007	0.147	3.741938	-1.0185	-2945.56
7189_7190	7189	7190	-676.103	-242.045	-0.147	-3.74194	-1.00669	6336.961
7190_7190	7190	7190	676.1042	184.716	-0.12206	0.25725	1.006688	-6336.96
7190_7191	7190	7191	-632.469	-148.746	0.122063	-0.25725	0.336	7984.204
7191_7191	7191	7191	632.4688	148.7456	-0.12206	0.25725	-0.336	-7984.2
7191_7192	7191	7192	-588.832	-112.777	0.122063	-0.25725	1.68	9235.782
7192_7192	7192	7192	588.8334	61.5615	-0.02625	0.093188	-1.68	-9235.76
7192_7193	7192	7193	-551.825	-28.9275	0.02625	-0.09319	1.939875	9527.676
7193_7193	7193	7193	551.8249	28.9275	-0.02625	0.028875	-1.93988	-9527.68
7193_7194	7193	7194	-514.78	3.739313	0.02625	-0.02888	2.205	9493.702
7194_7194	7194	7194	514.7796	-50.19	0.1155	5.452125	-2.205	-9493.73
7194_7195	7194	7195	-480.417	82.8555	-0.1155	-5.45213	1.048688	8679.654
7195_7195	7195	7195	480.417	-82.8555	0.040688	-5.68181	-1.04869	-8679.65
7195_7196	7195	7196	-446.056	115.5223	-0.04069	5.681813	0.639188	7539.238
7196_7196	7196	7196	446.0505	-167.257	0.186375	-0.28744	-0.63919	-7539.21
7196_7197	7196	7197	-411.443	203.2275	-0.18638	0.287438	-1.4175	5349.41
7197_7197	7197	7197	411.4425	-203.228	0.186375	-0.28744	1.4175	-5349.41
7197_7198	7197	7198	-376.836	239.1966	-0.18638	0.287438	-3.47419	2763.939
7198_7198	7198	7198	376.8437	-293.64	-0.0525	-0.80588	3.474188	-2763.96
7198_7199	7198	7199	-335.415	338.5686	0.0525	0.805875	-2.75756	-1816.1
7199_7199	7199	7199	339.4427	-334.607	-0.126	0.565688	2.710313	1717.357
7199_7200	7199	7200	-314.223	362.4403	0.126	-0.56569	-1.67213	-4806.25
7200_7200	7200	7200	324.4461	-421.516	-0.56831	3.373125	1.77975	4807.554
7200_7201	7200	7201	-296.093	461.6653	0.568313	-3.36131	4.900875	-10322.5
7201_7201	7201	7201	293.2204	-451.896	-0.05906	-5.90888	-1.10381	10421.14
7201_7202	7201	7202	-282.348	505.1708	0.059063	5.91675	1.891313	-16930.3
7202_7202	7202	7202	302.8856	-563.102	-0.92138	10.09575	-0.61688	16934.41
7202_7203	7202	7203	-304.146	615.4483	0.921375	-10.1378	12.17344	-24338.6
7203_7203	7203	7203	321.2987	-604.573	-0.85969	-10.752	-14.4113	24344.65
7203_7204	7203	7204	-330.18	659.7714	0.859688	10.70475	25.23281	-32468.5
7204_7204	7204	7204	-2657.83	363.4641	-8.98144	2.996438	220.9896	10143.09
7204_7205	7204	7205	2664.232	-326.893	8.981438	-2.99644	-135.664	-6792.31
7205_7205	7205	7205	-2667.04	326.8821	-12.6578	-4.704	137.9044	6479.404
7205_7206	7205	7206	2672.662	-298.993	12.65775	4.704	-39.8094	-4078.86

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7206_7206	7206	7206	-2672.67	298.9928	-8.76356	1.686563	39.80944	4078.862
7206_7207	7206	7207	2678.288	-271.102	8.763563	-1.68656	28.10719	-1894.49
7207_7207	7207	7207	-2678.33	203.9874	-1.67475	0.224438	-28.1072	1894.484
7207_7208	7207	7208	2683.702	-175.198	1.67475	-0.22444	41.5065	-401.566
7208_7208	7208	7208	-2683.7	175.1978	-1.67475	0.224438	-41.5065	401.5659
7208_7209	7208	7209	2689.076	-146.408	1.67475	-0.22444	54.90581	861.0315
7209_7209	7209	7209	-2689.07	146.4081	-5.44688	-0.08269	-54.9058	-861.029
7209_7210	7209	7210	2694.447	-117.618	5.446875	0.082688	98.48344	1893.311
7210_7210	7210	7210	-2694.47	50.90794	0.408188	-0.27694	-98.4834	-1893.29
7210_7211	7210	7211	2697.915	-29.316	-0.40819	0.276938	96.03431	2118.395
7211_7211	7211	7211	-2697.91	29.316	0.408188	-0.27694	-96.0343	-2118.39
7211_7212	7211	7212	2701.356	-7.72406	-0.40819	0.276938	93.5865	2213.949
7212_7212	7212	7212	-2701.35	7.724063	-4.62131	1.25475	-93.5865	-2213.94
7212_7213	7212	7213	2704.795	13.86919	4.621313	-1.25475	121.3157	2179.942
7213_7213	7213	7213	-2704.8	-13.8692	0.408188	-0.12863	-121.316	-2179.95
7213_7214	7213	7214	2708.237	35.46113	-0.40819	0.128625	118.8666	2016.387
7214_7214	7214	7214	-2708.26	-103.555	3.247125	0.8715	-118.867	-2016.37
7214_7215	7214	7215	2711.93	132.3459	-3.24713	-0.8715	92.88956	1055.681
7215_7215	7215	7215	-2711.93	-132.346	3.247125	0.8715	-92.8896	-1055.68
7215_7216	7215	7216	2715.597	161.1356	-3.24713	-0.8715	66.91256	-135.332
7216_7216	7216	7216	-2715.6	-161.136	-0.525	-1.22325	-66.9126	135.3332
7216_7217	7216	7217	2719.266	189.9253	0.525	1.22325	71.11256	-1556.68
7217_7217	7217	7217	-2719.32	-257.679	8.789813	-24.7787	-71.1126	1556.424
7217_7218	7217	7218	2722.558	285.5698	-8.78981	24.77869	2.991188	-3676.89
7218_7218	7218	7218	-2722.56	-285.57	8.789813	-24.7787	-2.99119	3676.891
7218_7219	7218	7219	2725.799	313.4604	-8.78981	24.77869	-65.1302	-6013.51
7219_7219	7219	7219	-2715.22	-313.459	37.06763	52.07869	65.21813	6296.028
7219_7220	7219	7220	2718.968	350.0306	-37.0676	-52.0787	-417.358	-9465.81
7220_7220	7220	7220	277.9311	658.6138	1.93725	-44.2103	-27.8355	31408.83
7220_7221	7220	7221	-248.171	-603.834	-1.93725	44.19319	3.476813	-23487.3
7221_7221	7221	7221	231.1181	614.3156	1.745625	44.03963	-12.7575	23482.72
7221_7222	7221	7222	-202.12	-562.402	-1.74563	-44.0554	-9.15338	-16277.2
7222_7222	7222	7222	182.2183	511.3316	-2.3415	-3.66188	13.36256	16276.09
7222_7223	7222	7223	-159.269	-458.45	2.3415	3.567375	17.73581	-9771.96
7223_7223	7223	7223	809.0053	458.2476	0.9975	3.698625	-13.6723	6096.757
7223_7224	7223	7224	-807.921	-416.063	-0.9975	-3.67763	1.95825	-1034.1
7224_7224	7224	7224	798.2271	351.4416	0.912188	14.42306	-2.02781	1035.542
7224_7225	7224	7225	-777.268	-322.228	-0.91219	-14.4283	-5.49938	1668.241
7225_7225	7225	7225	743.5457	327.8835	0.652313	-10.4344	5.840625	-1414.03
7225_7226	7225	7226	-685.247	-272.948	-0.65231	10.43438	-15.6096	5656.676
7226_7226	7226	7226	685.2694	208.4854	0.660188	20.37394	15.60956	-5656.93
7226_7227	7226	7227	-641.89	-165.846	-0.66019	-20.3739	-23.2772	7641.56
7227_7227	7227	7227	641.8899	165.8462	0.405563	-19.7072	23.27719	-7641.56
7227_7228	7227	7228	-598.542	-123.239	-0.40556	19.70719	-27.993	9129.918
7228_7228	7228	7228	598.5354	60.53513	0.379313	26.36156	27.993	-9129.72
7228_7229	7228	7229	-557.933	-17.9222	-0.37931	-26.3616	-32.3978	9406.408
7229_7229	7229	7229	557.928	17.92219	0.065625	-26.7986	32.39775	-9406.4
7229_7230	7229	7230	-517.318	24.69731	-0.06563	26.79863	-33.1524	9188.259
7230_7230	7230	7230	517.1513	-91.7753	2.07375	18.88031	33.15244	-9187.29
7230_7231	7230	7231	-479.522	136.2388	-2.07375	-18.8803	-58.2816	7639.074
7231_7231	7231	7231	479.5455	-136.239	1.777125	-20.5643	58.28156	-7639.09
7231_7232	7231	7232	-441.877	180.7496	-1.77713	20.56425	-79.8249	5549.751
7232_7232	7232	7232	441.9962	-242.079	0	14.26688	79.82494	-5549.31
7232_7233	7232	7233	-431.444	253.3269	0	-14.2669	-79.8249	4743.299
7233_7233	7233	7233	442.2705	-249.938	-0.42525	3.823313	86.13544	-4784.32
7233_7234	7233	7234	-420.088	272.3044	0.42525	-3.83775	-83.6023	3223.194
7234_7234	7234	7234	424.4966	-266.171	-0.525	-3.70781	83.50256	-3222.32
7234_7235	7234	7235	-391.276	297.9021	0.525	3.651375	-79.1018	620.8212
7235_7235	7235	7235	395.9235	-292.076	-0.64181	-7.36706	78.94425	-619.806

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7235_7236	7235	7236	-374.223	313.7295	0.641813	7.306688	-75.3113	-1230.55
7236_7236	7236	7236	378.1089	-381.546	0.124688	-7.96425	75.15638	1230.236
7236_7237	7236	7237	-359.212	430.3976	-0.12469	8.238563	-76.4754	-5760.5
7237_7237	7237	7237	290.5718	-423.554	-0.86756	6.5835	170.0042	6235.662
7237_7238	7237	7238	-289.002	469.2148	0.867563	-6.18713	-161.711	-10621.3
7238_7238	7238	7238	302.8673	-498.608	5.205375	-30.7834	158.3794	10622.56
7238_7239	7238	7239	-306.777	545.1626	-5.20538	30.33844	-207.515	-15525.5
7239_7239	7239	7239	306.4346	-545.227	5.049188	20.34506	212.646	15525.83
7239_7240	7239	7240	-312.313	598.8321	-5.04919	-20.79	-265.549	-21602.5
7240_7240	7240	7240	-2388.03	403.6029	-80.6046	-7.05994	1572.694	5764.795
7240_7241	7240	7241	2396.369	-368.503	80.60456	7.059938	-949.54	-2815.86
7241_7241	7241	7241	-2392.72	368.4909	-71.3646	5.796	953.7518	2797.078
7241_7242	7241	7242	2402.248	-330.22	71.36456	-5.796	-343.187	150.9992
7242_7242	7242	7242	-2402.38	330.2198	-65.6001	7.8645	343.1873	-151.032
7242_7243	7242	7243	2411.519	-293.513	65.60006	-7.8645	195.1123	2670.978
7243_7243	7243	7243	-2413.25	218.0286	-21.2809	4.476938	-195.112	-2671.31
7243_7244	7243	7244	2419.162	-172.696	21.28088	-4.47694	410.7744	4624.653
7244_7244	7244	7244	-2419.2	172.6961	-14.6869	-3.2655	-410.774	-4624.66
7244_7245	7244	7245	2424.737	-130.228	14.68688	3.2655	550.2131	6037.805
7245_7245	7245	7245	-2424.22	71.43544	-16.8906	6.83025	-550.213	-6036.63
7245_7246	7245	7246	2429.452	-25.1803	16.89056	-6.83025	724.8701	6512.293
7246_7246	7246	7246	-2429.49	25.18031	-9.83325	-5.77894	-724.87	-6512.3
7246_7247	7246	7247	2434.18	16.32356	9.83325	5.778938	816.1073	6531.992
7247_7247	7247	7247	-2434.25	-84.0354	-3.12769	9.267563	-816.107	-6531
7247_7248	7247	7248	2437.709	126.0407	3.127688	-9.26756	845.4731	5528.196
7248_7248	7248	7248	-2437.7	-126.041	8.183438	-6.279	-845.473	-5528.21
7248_7249	7248	7249	2441.465	171.8391	-8.18344	6.279	761.6976	3985.421
7249_7249	7249	7249	-2441.92	-233.377	32.54213	0.76125	-761.698	-3984.88
7249_7250	7249	7250	2444.773	278.061	-32.5421	-0.76125	436.6228	1416.155
7250_7250	7250	7250	-2444.68	-278.061	39.96956	1.96875	-436.623	-1416.16
7250_7251	7250	7251	2447.435	321.1386	-39.9696	-1.96875	51.71644	-1482.77
7251_7251	7251	7251	-2446.02	-386.109	-14.7893	-64.0789	-51.7164	1481.267
7251_7252	7251	7252	2445.474	420.7823	14.78925	64.07888	166.3554	-4608.78
7252_7252	7252	7252	-2440.96	-420.78	-3.03975	-36.0885	-167.062	4587.037
7252_7253	7252	7253	2440.293	463.8887	3.03975	36.0885	195.9261	-8875.19
7253_7253	7253	7253	251.5275	602.2328	-60.48	128.1814	29.73075	24355.7
7253_7254	7253	7254	-232.179	-565.082	60.48	-128.489	412.2654	-20053.7
7254_7254	7254	7254	210.5946	490.5758	36.8655	-18.4236	-393.591	20044.77
7254_7255	7254	7255	-183.145	-433.411	-36.8655	18.64013	-35.658	-14749.8
7255_7255	7255	7255	172.7933	441.3688	36.876	24.74325	31.689	14746.31
7255_7256	7255	7256	-151.05	-393.572	-36.876	-24.5844	-402.917	-10557.7
7256_7256	7256	7256	140.2341	346.8583	-16.2383	-16.7016	405.2541	10555.04
7256_7257	7256	7257	-128.345	-303.157	16.23825	16.69369	-252.595	-7451.71
7257_7257	7257	7257	51.90281	310.1044	-16.254	2.004188	252.6195	7841.219
7257_7258	7257	7258	-47.67	-282.09	16.254	-2.00813	-136.449	-5607.02
7258_7258	7258	7258	43.83225	285.2876	-16.2501	11.24944	136.1929	5606.362
7258_7259	7258	7259	-44.7405	-265.377	16.25006	-11.2508	-53.3269	-4116.62
7259_7259	7259	7259	697.6686	197.0443	1.682625	16.96013	-3.57263	746.913
7259_7260	7259	7260	-742.714	-165.655	-1.68263	-16.9483	-9.48019	878.5127
7260_7260	7260	7260	773.2226	170.8232	1.567125	-2.331	8.333063	-1232.22
7260_7261	7260	7261	-816.157	-136.404	-1.56713	2.331	-21.9332	2770.268
7261_7261	7261	7261	816.1571	136.4042	1.484438	-11.9739	21.93319	-2770.26
7261_7262	7261	7262	-856.006	-104.458	-1.48444	11.97394	-33.8927	3930.437
7262_7262	7262	7262	856.0138	18.36975	0.62475	12.4635	33.89269	-3930.48
7262_7263	7262	7263	-919.111	27.55594	-0.62475	-12.4635	-41.1233	4176.639
7263_7263	7263	7263	919.1096	-27.5559	0.469875	-11.3229	41.12325	-4176.63
7263_7264	7263	7264	-981.62	73.05375	-0.46988	11.32294	-46.5084	3896.009
7264_7264	7264	7264	981.6594	-143.661	1.0815	19.00238	46.50844	-3896.13
7264_7265	7264	7265	-1047.61	190.1064	-1.0815	-19.0024	-59.1819	2252.828

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7265_7265	7265	7265	1047.606	-190.106	0.817688	-20.1836	59.18194	-2252.8
7265_7266	7265	7266	-1111.49	235.0937	-0.81769	20.18363	-68.4561	142.4588
7266_7266	7266	7266	1111.618	-309.951	0.664125	8.595563	68.45606	-142.211
7266_7267	7266	7267	-1178.58	355.4368	-0.66413	-8.59556	-76.0725	-3359.13
7267_7267	7267	7267	1178.583	-355.437	0.443625	-11.6078	76.0725	3359.144
7267_7268	7267	7268	-1246.16	401.3454	-0.44363	11.60775	-81.2136	-7421.94
7268_7268	7268	7268	1246.357	-489.451	7.079625	2.411063	81.21356	7423.22
7268_7269	7268	7269	-1271.78	505.2941	-7.07963	-2.41106	-109.501	-9755.71
7269_7269	7269	7269	1169.023	-497.711	6.657	-6.20419	102.4249	10647.45
7269_7270	7269	7270	-1191.72	539.5478	-6.657	6.166125	-167.432	-15802.2
7270_7270	7270	7270	1203.166	-526.118	6.47325	-1.26394	167.5249	15800.51
7270_7271	7270	7271	-1172.83	570.9362	-6.47325	1.164188	-233.888	-21689
7271_7271	7271	7271	1032.915	-641.188	-17.9458	-41.8123	207.1847	22677.05
7271_7272	7271	7272	-962.903	703.3149	17.94581	41.57606	13.28644	-30859.2
7272_7272	7272	7272	981.4691	-689.574	-18.2018	36.79594	-8.12438	30858.38
7272_7273	7272	7273	-895.531	755.4999	18.20175	-37.0913	235.452	-39950.8
7273_7273	7273	7273	914.8059	-770.369	30.81619	-69.8591	-245.872	39959.66
7273_7274	7273	7274	-878.254	800.751	-30.8162	69.9405	74.04075	-44520
7274_7274	7274	7274	890.0863	-793.379	30.66919	5.117438	-66.6015	44520.82
7274_7275	7274	7275	-841.347	838.3988	-30.6692	-4.98225	-180.26	-50352.8
7275_7275	7275	7275	-3162.04	615.0795	37.13719	49.58888	794.6138	15919.63
7275_7276	7275	7276	3251.654	-588.719	-37.1372	-49.5889	-998.836	-12993.3
7276_7276	7276	7276	-3861.93	506.2444	-84.2192	-29.7662	1218.701	15881.2
7276_7277	7276	7277	3866.52	-486.914	84.21919	29.76619	-881.971	-13914.4
7277_7277	7277	7277	-3874.68	486.8955	-77.0989	-11.7666	887.4298	14292.51
7277_7278	7277	7278	3886.805	-441.137	77.09888	11.76656	-106.381	-9642.2
7278_7278	7278	7278	-3887.01	441.1365	-64.8821	18.53775	106.3808	9642.166
7278_7279	7278	7279	3898.041	-399.483	64.88213	-18.5378	491.9342	-5812.13
7279_7279	7279	7279	-3897.56	297.1395	-25.1147	-8.41181	-491.934	5813.106
7279_7280	7279	7280	3902.334	-244.405	25.11469	8.411813	785.1428	-2671.58
7280_7280	7280	7280	-3902.4	244.4046	-7.3605	7.182	-785.143	2671.556
7280_7281	7280	7281	3907.382	-189.379	7.3605	-7.182	874.8114	-49.9354
7281_7281	7281	7281	-3973.18	141.1253	-1.41225	0.0945	-890.501	357.2428
7281_7282	7281	7282	3985.156	-93.4999	1.41225	-0.0945	908.0072	1045.261
7282_7282	7282	7282	-3985.14	93.49988	10.46325	-0.02363	-908.007	-1045.27
7282_7283	7282	7283	3996.221	-49.4484	-10.4633	0.023625	788.0591	1817.06
7283_7283	7283	7283	-3996.91	-81.6782	-8.44594	-1.12088	-788.059	-1817.38
7283_7284	7283	7284	3997.662	122.8198	8.445938	1.120875	878.4786	718.5544
7284_7284	7284	7284	-3997.66	-122.82	8.631	0.847875	-878.479	-718.556
7284_7285	7284	7285	3998.345	160.1552	-8.631	-0.84788	794.6282	-659.836
7285_7285	7285	7285	-3998.78	-240.468	130.3313	-13.5936	-794.628	659.6953
7285_7286	7285	7286	3999.495	271.8647	-130.331	13.59356	-270.206	-2756.9
7286_7286	7286	7286	-3999.26	-271.865	137.5146	-6.69375	270.2057	2756.91
7286_7287	7286	7287	3999.911	300.0966	-137.515	6.69375	-1280.46	-4861.72
7287_7287	7287	7287	-3989.64	-300.098	146.8819	-5.65294	1281.001	4463.076
7287_7288	7287	7288	3990.197	333.4393	-146.882	5.652938	-2458.02	-7074.93
7288_7288	7288	7288	344.3055	1110.875	-27.1451	-33.9111	426.2226	39745.08
7288_7289	7288	7289	-323.118	-1050.39	27.14513	33.93338	-81.1112	-26189.3
7289_7289	7289	7289	306.5423	1056.136	-27.2423	58.233	73.11019	26187.15
7289_7290	7289	7290	-285.082	-1005.87	27.24225	-58.2173	227.7594	-14635.9
7290_7290	7290	7290	256.4546	916.6553	6.763313	-11.9306	-222.087	14636.43
7290_7291	7290	7291	-243.579	-883.988	-6.76331	11.94769	172.1921	-7975.18
7291_7291	7291	7291	225.5925	890.1887	6.737063	0.633938	-172.716	7973.925
7291_7292	7291	7292	-211.562	-852.196	-6.73706	-0.62081	114.0261	-203.509
7292_7292	7292	7292	167.6719	857.3053	6.680625	16.15163	-112.034	355.9683
7292_7293	7292	7293	-161.075	-841.167	-6.68063	-16.149	83.49731	3525.967
7293_7293	7293	7293	149.4032	772.2501	-1.17469	14.56875	-83.2794	-3526.58
7293_7294	7293	7294	-143.147	-745.336	1.174688	-14.5714	91.66106	9349.211
7294_7294	7294	7294	139.7156	746.4909	-1.23244	4.240688	-91.5915	-9349.33

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7294_7295	7294	7295	-133.24	-714.106	1.232438	-4.24069	102.1808	14905.22
7295_7295	7295	7295	166.2583	714.2244	-1.17731	-24.5739	-102.922	-15091.2
7295_7296	7295	7296	-161.394	-683.466	1.177313	24.57394	111.2226	19997.55
7296_7296	7296	7296	30.87131	589.5081	4.358813	33.34406	-77.826	-19264
7296_7297	7296	7297	-36.8681	-541.77	-4.35881	-33.3441	29.94338	25512.24
7297_7297	7297	7297	36.88125	541.7698	4.311563	-20.6548	-29.9434	-25512.3
7297_7298	7297	7298	-43.0999	-492.264	-4.31156	20.65481	-19.1769	31438
7298_7298	7298	7298	43.02244	406.7661	0.534188	66.53588	19.17694	-31441.4
7298_7299	7298	7299	-49.6558	-357.979	-0.53419	-66.5359	-25.1803	35770.6
7299_7299	7299	7299	49.65844	357.9791	0.469875	-47.4009	25.18031	-35770.6
7299_7300	7299	7300	-57.1069	-303.209	-0.46988	47.40094	-31.0984	39978.1
7300_7300	7300	7300	57.08194	213.4821	0.013125	66.18413	31.09838	-39982.5
7300_7301	7300	7301	-67.2158	-160.536	-0.01313	-66.1841	-31.2638	42313.79
7301_7301	7301	7301	67.21706	160.5358	-0.04463	-57.918	31.26375	-42313.8
7301_7302	7301	7302	-76.9046	-109.921	0.044625	57.918	-30.7479	43939.28
7302_7302	7302	7302	76.90463	18.648	0.71925	74.19956	30.74794	-43943.5
7302_7303	7302	7303	-90.6032	36.88913	-0.71925	-74.1996	-39.9473	43896.3
7303_7303	7303	7303	90.60713	-36.8891	0.653625	-76.2484	39.94725	-43896.3
7303_7304	7303	7304	-102.45	84.90169	-0.65363	76.24838	-47.1634	43283.35
7304_7304	7304	7304	102.4433	-178.121	0.54075	71.91188	47.16338	-43288.1
7304_7305	7304	7305	-117.25	228.3264	-0.54075	-71.9119	-53.4161	41013.87
7305_7305	7305	7305	117.2535	-228.326	0.47775	-62.8294	53.41613	-41013.9
7305_7306	7305	7306	-132.975	281.6323	-0.47775	62.82938	-59.2764	37964.31
7306_7306	7306	7306	132.9339	-379.41	-0.43969	61.93294	59.27644	-37967.8
7306_7307	7306	7307	-149.751	431.0526	0.439688	-61.9329	-54.0527	33234.86
7307_7307	7307	7307	149.7458	-431.053	-0.51056	-61.0155	54.05269	-33234.9
7307_7308	7307	7308	-166.639	482.9304	0.510563	61.0155	-47.9509	27862.37
7308_7308	7308	7308	166.8608	-599.368	10.25456	37.26319	47.95088	-27864.8
7308_7309	7308	7309	-184.887	651.5119	-10.2546	-37.2632	-171.014	20448.19
7309_7309	7309	7309	184.9457	-651.512	10.17844	-40.8804	171.0135	-20448.2
7309_7310	7309	7310	-202.697	702.8595	-10.1784	40.88044	-291.299	12533.33
7310_7310	7310	7310	202.1132	-835.283	-21.777	-2.37431	291.2989	-12533.6
7310_7311	7310	7311	-230.279	893.4043	21.777	2.374313	0	1111.883
7400_7020	7400	7020	3425.206	-322.606	66.74456	1.000125	-532.298	-4884.03
7400_7401	7400	7401	-3426.58	327.831	-66.7446	-1.00013	259.3513	3554.061
7401_7401	7401	7401	3422.777	-321.074	24.33638	-0.35963	-254.685	-3554.19
7401_7402	7401	7402	-3423.97	325.5289	-24.3364	0.359625	169.7614	2426.013
7402_7402	7402	7402	3430.833	-243.284	17.62294	-1.13531	-171.141	-2425.92
7402_7403	7402	7403	-3434.89	257.1384	-17.6229	1.135313	-21.3898	-307.541
7403_7403	7403	7403	3434.322	-157.031	0.165375	-0.96994	18.38813	307.5319
7403_7404	7403	7404	-3437.28	166.0838	-0.16538	0.969938	-19.5838	-1472.05
7404_7404	7404	7404	3440.216	-86.0291	-1.94644	-0.51319	19.87781	1472.048
7404_7405	7404	7405	-3443.39	95.01581	1.946438	0.513188	-5.84456	-2124.84
7405_7405	7405	7405	3443.228	19.299	0.410813	-0.58669	4.592438	2124.842
7405_7406	7405	7406	-3450.19	-1.58156	-0.41081	0.586688	-10.5066	-1974.43
7406_7406	7406	7406	3449.864	116.5684	-1.39519	-0.63656	10.42256	1974.423
7406_7407	7406	7407	-3454.53	-105.83	1.395188	0.636563	1.9425	-989.168
7407_7407	7407	7407	3451.555	178.1588	-1.72463	-0.504	-1.91363	989.1683
7407_7408	7407	7408	-3454.78	-171.15	1.724625	0.504	11.49488	-18.7058
7408_7408	7408	7408	3422.823	-561.871	-0.12469	-2.90456	-12.3244	18.71625
7408_7409	7408	7409	-3423.74	565.9618	0.124688	2.904563	12.70238	-1721.39
7409_7409	7409	7409	3417.671	542.6597	-2.18531	1.48575	-12.3808	1722.277
7409_7410	7409	7410	-3416.76	-538.556	2.185313	-1.48575	18.99975	-84.735
7410_7410	7410	7410	3448.544	-195.757	2.691938	-1.06444	-17.5652	84.73238
7410_7411	7410	7411	-3445.32	202.7642	-2.69194	1.064438	2.60925	-1191.73
7411_7411	7411	7411	3448.813	-130.615	1.484438	-0.59981	-2.80875	1191.726
7411_7412	7411	7412	-3444.15	141.3497	-1.48444	0.599813	-10.3451	-2396.3
7412_7412	7412	7412	3450.148	-26.0544	0.165375	-0.77569	10.46194	2396.321
7412_7413	7412	7413	-3443.18	43.77713	-0.16538	0.775688	-12.8454	-2899.48

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7413_7413	7413	7413	3448.233	70.55738	-0.83344	0.454125	12.69319	2899.519
7413_7414	7413	7414	-3445.06	-61.5654	0.833438	-0.45413	-6.67669	-2422.83
7414_7414	7414	7414	3442.757	140.2091	1.945125	-1.68	7.33425	2422.825
7414_7415	7414	7415	-3439.8	-131.163	-1.94513	1.68	-21.3452	-1445.47
7415_7415	7415	7415	3442.785	232.2836	-13.8311	-1.38731	23.93869	1445.514
7415_7416	7415	7416	-3438.73	-218.432	13.83113	1.387313	127.1432	1016.072
7416_7416	7416	7416	3432.59	299.9194	-11.1983	2.426813	-127.353	-1016.04
7416_7417	7416	7417	-3431.4	-295.47	11.19825	-2.42681	166.3843	2053.633
7417_7417	7417	7417	3435.507	303.8228	-39.8252	-1.46738	-167.598	-2053.6
7417_7036	7417	7036	-3434.13	-298.59	39.82519	1.467375	330.6831	3352.767
7420_7056	7420	7056	2880.246	-300.578	47.06888	1.177313	-266.046	-5063.5
7420_7421	7420	7421	-2881.47	305.2166	-47.0689	-1.17731	73.25194	3822.814
7421_7421	7421	7421	2877.168	-298.98	7.4445	0.7245	-74.8401	-3822.77
7421_7422	7421	7422	-2878.22	302.925	-7.4445	-0.7245	48.87881	2773.226
7422_7422	7422	7422	2884.664	-233.809	5.50725	-0.0105	-49.4064	-2773.22
7422_7423	7422	7423	-2888.26	246.078	-5.50725	0.0105	-10.7271	153.3223
7423_7423	7423	7423	2888.045	-163.814	0.98175	0.027563	8.019375	-153.328
7423_7424	7423	7424	-2890.67	171.8443	-0.98175	-0.02756	-15.099	-1057.52
7424_7424	7424	7424	2893.929	-103.269	-1.23769	0.490875	15.38513	1057.519
7424_7425	7424	7425	-2896.74	111.2278	1.237688	-0.49088	-6.46144	-1830.66
7425_7425	7425	7425	2896.917	-16.4312	-0.22838	0.337313	6.07425	1830.658
7425_7426	7425	7426	-2903.09	32.13656	0.228375	-0.33731	-2.77331	-2180.62
7426_7426	7426	7426	2902.86	65.14856	1.533	-0.04856	2.748375	2180.624
7426_7427	7426	7427	-2906.99	-55.6421	-1.533	0.048563	-16.3236	-1645.88
7427_7427	7427	7427	2905.253	114.9488	-0.94369	0.9975	16.95225	1645.871
7427_7428	7427	7428	-2908.12	-108.695	0.943688	-0.9975	-11.7062	-1024.21
7428_7428	7428	7428	2874.476	-510.009	-4.58063	-0.09713	13.01606	1024.216
7428_7429	7428	7429	-2875.29	513.6679	4.580625	0.097125	0.861	-2574.85
7429_7429	7429	7429	2877.478	518.3391	-4.13963	0.699563	-0.99619	2577.824
7429_7430	7429	7430	-2876.66	-514.692	4.139625	-0.69956	13.49775	-1018.05
7430_7430	7430	7430	2912.356	-102.179	3.909938	-0.9765	-11.5041	1018.05
7430_7431	7430	7431	-2909.48	108.4322	-3.90994	0.9765	-10.2323	-1603.48
7431_7431	7431	7431	2911.091	-49.2227	-0.2205	1.073625	9.228188	1603.489
7431_7432	7431	7432	-2906.96	58.72781	0.2205	-1.07363	-7.27519	-2081.33
7432_7432	7432	7432	2908.11	38.98519	-0.29794	0.332063	7.731938	2081.342
7432_7433	7432	7433	-2901.94	-23.2733	0.297938	-0.33206	-3.42956	-1632.55
7433_7433	7433	7433	2902.862	117.1826	1.540875	0.3675	4.900875	1632.574
7433_7434	7433	7434	-2900.05	-109.228	-1.54088	-0.3675	-16.0046	-816.849
7434_7434	7434	7434	2896.651	177.8923	0.011813	0.429188	15.86419	816.8514
7434_7435	7434	7435	-2894.03	-169.866	-0.01181	-0.42919	-15.9456	436.9706
7435_7435	7435	7435	2893.704	252.9437	-17.3552	0.590625	20.11931	-436.961
7435_7436	7435	7436	-2890.11	-240.672	17.35519	-0.59063	169.4333	3132.539
7436_7436	7436	7436	2883.564	309.1082	-21.5421	-0.07613	-168.121	-3132.61
7436_7437	7436	7437	-2882.51	-305.167	21.54206	0.076125	243.1918	4202.915
7437_7437	7437	7437	2887.155	312.1007	-40.3909	-1.18781	-251.211	-4202.83
7437_7072	7437	7072	-2885.94	-307.468	40.39088	1.187813	416.5193	5470.676
7440_7094	7440	7094	3269.146	-280.303	33.97013	0.42525	-155.018	-3358.69
7440_7441	7440	7441	-3270.35	284.8978	-33.9701	-0.42525	15.83925	2167.589
7441_7441	7441	7441	3263.626	-277.087	2.5935	-0.12994	-17.3539	-2167.6
7441_7442	7441	7442	-3264.67	280.9971	-2.5935	0.129938	8.302875	1193.691
7442_7442	7442	7442	3270.522	-201.782	1.765313	-0.23625	-8.39344	-1193.69
7442_7443	7442	7443	-3274.08	213.9309	-1.76531	0.23625	-10.8714	-1075.5
7443_7443	7443	7443	3274.304	-118.708	-0.58013	0.240188	9.952688	1075.491
7443_7444	7443	7444	-3276.9	126.6563	0.580125	-0.24019	-5.77369	-1960.11
7444_7444	7444	7444	3278.983	-48.9825	0.332063	-0.44363	5.584688	1960.107
7444_7445	7444	7445	-3281.77	56.86144	-0.33206	0.443625	-7.97475	-2341.43
7445_7445	7445	7445	3281.952	50.2425	-1.08675	-0.01313	9.417188	2341.429
7445_7446	7445	7446	-3288.06	-34.671	1.08675	0.013125	6.260625	-1729.03
7446_7446	7446	7446	3286.03	148.0224	4.54125	-0.13125	-5.78813	1729.031

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7446_7447	7446	7447	-3290.12	-138.613	-4.54125	0.13125	-34.4006	-460.845
7447_7447	7447	7447	3286.668	204.8314	-2.69063	0.161438	34.84294	460.8109
7447_7448	7447	7448	-3289.51	-198.634	2.690625	-0.16144	-19.887	660.7086
7448_7448	7448	7448	3269.204	-500.553	-4.59375	4.617375	22.61175	-660.703
7448_7449	7448	7449	-3270.01	504.1733	4.59375	-4.61738	-8.72025	-858.578
7449_7449	7449	7449	3269.325	501.1112	6.860438	-4.9035	8.784563	858.8514
7449_7450	7449	7450	-3268.51	-497.49	-6.86044	4.9035	-29.5365	651.3255
7450_7450	7450	7450	3292.324	-201.809	-2.44256	0.166688	28.53506	-651.299
7450_7451	7450	7451	-3289.48	208.005	2.442563	-0.16669	-14.9573	-487.925
7451_7451	7451	7451	3292.997	-141.808	-1.28625	-0.30319	15.03075	487.9232
7451_7452	7451	7452	-3288.9	151.2171	1.28625	0.303188	-3.6435	-1784.38
7452_7452	7452	7452	3295.181	-37.9811	0.097125	-0.10238	2.46225	1784.381
7452_7453	7452	7453	-3289.07	53.55131	-0.09713	0.102375	-3.86006	-2444.48
7453_7453	7453	7453	3293.878	53.47519	0.657563	-0.16406	3.584438	2444.493
7453_7454	7453	7454	-3291.09	-45.5963	-0.65756	0.164063	-8.32519	-2087.62
7454_7454	7454	7454	3289.09	123.5693	-0.13781	0.150938	8.151938	2087.617
7454_7455	7454	7455	-3286.49	-115.622	0.137813	-0.15094	-7.15706	-1225.37
7455_7455	7455	7455	3290.469	211.5579	-1.35581	0.2835	8.570625	1225.38
7455_7456	7455	7456	-3286.91	-199.4	1.355813	-0.2835	6.244875	1019.327
7456_7456	7456	7456	3281.385	275.7248	-4.09894	-0.44363	-6.00338	-1019.33
7456_7457	7456	7457	-3280.34	-271.827	4.098938	0.443625	20.26763	1971.962
7457_7457	7457	7457	3287.206	281.7977	-26.0938	-0.33075	-18.6257	-1971.94
7457_7110	7457	7110	-3286	-277.204	26.09381	0.33075	125.5131	3147.995
7460_7132	7460	7132	2870.718	-411.456	-44.2798	-1.29544	374.3499	-5595.79
7460_7461	7460	7461	-2871.93	417.0101	44.27981	1.295438	-157.297	3402.26
7461_7461	7461	7461	2881.505	-282.609	-15.4652	-0.15488	153.8933	-3402.3
7461_7462	7461	7462	-2882.55	286.5174	15.46519	0.154875	-99.9482	2409.709
7462_7462	7462	7462	2888.605	-217.273	-12.8783	-0.3465	100.5624	-2409.68
7462_7463	7462	7463	-2892.17	229.4263	12.87825	0.3465	40.07325	-29.3803
7463_7463	7463	7463	2931.015	-147.245	0.051188	0.055125	-34.8744	29.34488
7463_7464	7463	7464	-2933.61	155.19	-0.05119	-0.05513	34.50169	-1119.17
7464_7464	7464	7464	2936.464	-85.6104	4.193438	-0.72188	-35.0543	1119.156
7464_7465	7464	7465	-2939.25	93.48413	-4.19344	0.721875	4.85625	-1764.06
7465_7465	7465	7465	2982.48	-7.68469	0.273	-0.14175	-2.55413	1763.971
7465_7466	7465	7466	-2988.59	23.24831	-0.273	0.14175	-1.37813	-1986.97
7466_7466	7466	7466	3041.439	58.26713	-4.12781	0.252	4.484813	1986.857
7466_7467	7466	7467	-3045.53	-48.8513	4.127813	-0.252	32.06044	-1512.63
7467_7467	7467	7467	3043.887	111.4654	-1.27444	-0.483	-32.6891	1512.62
7467_7468	7467	7468	-3046.73	-105.27	1.274438	0.483	39.77006	-910.366
7468_7468	7468	7468	3069.14	-583.766	6.243563	-6.82238	-39.5286	910.266
7468_7469	7468	7469	-3069.95	587.3844	-6.24356	6.822375	20.65613	-2680.46
7469_7469	7469	7469	3067.584	583.7869	-8.04694	6.580875	-27.3945	2675.624
7469_7470	7469	7470	-3066.77	-580.168	8.046938	-6.58088	51.71906	-916.336
7470_7470	7470	7470	3046.676	-108.252	3.745875	-0.4935	-51.1954	916.3193
7470_7471	7470	7471	-3043.83	114.4461	-3.74588	0.4935	30.37913	-1535.14
7471_7471	7471	7471	3045.562	-50.4564	4.335188	-0.14963	-30.2544	1535.145
7471_7472	7471	7472	-3041.47	59.88413	-4.33519	0.149625	-8.16769	-2024.14
7472_7472	7472	7472	2993.343	20.39494	-0.46594	-0.15488	4.433625	2024.258
7472_7473	7472	7473	-2987.23	-4.84313	0.465938	0.154875	2.277188	-1842.44
7473_7473	7473	7473	2950.197	94.21256	1.542188	-0.74156	-3.81019	1842.394
7473_7474	7473	7474	-2947.41	-86.3271	-1.54219	0.741563	-7.31456	-1191.44
7474_7474	7474	7474	2944.611	154.8068	-2.59088	0.790125	6.738375	1191.443
7474_7475	7474	7475	-2942.01	-146.862	2.590875	-0.79013	11.93456	-104.381
7475_7475	7475	7475	2913.022	229.5234	5.64375	0.301875	-13.4584	104.3779
7475_7476	7475	7476	-2909.46	-217.37	-5.64375	-0.30188	-48.1688	2335.78
7476_7476	7476	7476	2903.408	287.1107	6.216	-0.38194	48.03619	-2335.78
7476_7477	7476	7477	-2902.36	-283.203	-6.216	0.381938	-69.7161	3330.457
7477_7477	7477	7477	2907.424	289.128	5.240813	0.773063	73.42388	-3330.42
7477_7148	7477	7148	-2906.21	-284.536	-5.24081	-0.77306	-94.8819	4504.931

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7480_7168	7480	7168	2827.263	-314.115	-31.8596	-0.59981	128.5358	-5887.53
7480_7481	7480	7481	-2828.47	318.7078	31.85963	0.599813	1.925438	4591.881
7481_7481	7481	7481	2824.826	-313.421	-5.20931	-7.67156	-2.43863	-4591.81
7481_7482	7481	7482	-2825.87	317.3284	5.209313	7.671563	20.60888	3491.741
7482_7482	7482	7482	2832.673	-249.447	2.093438	2.065875	-18.081	-3491.76
7482_7483	7482	7483	-2836.23	261.6009	-2.09344	-2.06588	-4.788	701.2963
7483_7483	7483	7483	2887.786	-181.612	-0.85706	-0.252	8.871188	-701.344
7483_7484	7483	7484	-2890.38	189.5565	0.857063	0.252	-2.69194	-636.177
7484_7484	7484	7484	2894.009	-122.322	-0.74156	-0.33994	2.676188	636.1766
7484_7485	7484	7485	-2896.79	130.2079	0.741563	0.339938	2.674875	-1546.7
7485_7485	7485	7485	2957.496	-44.9571	-0.98175	-0.11944	3.016125	1546.621
7485_7486	7485	7486	-2963.61	60.51938	0.98175	0.119438	11.13525	-2306.99
7486_7486	7486	7486	3038.348	19.23469	-1.72988	0.658875	-4.49138	2306.871
7486_7487	7486	7487	-3042.44	-9.8175	1.729875	-0.65888	19.81219	-2178.25
7487_7487	7487	7487	3041.597	72.37519	1.103813	-0.94106	-20.7165	2178.242
7487_7488	7487	7488	-3044.44	-66.1815	-1.10381	0.941063	14.58056	-1793.23
7488_7488	7488	7488	3082.896	-628.212	-0.81769	5.084625	-11.9989	1793.281
7488_7489	7488	7489	-3083.71	631.8309	0.817688	-5.08463	14.47294	-3697.83
7489_7489	7489	7489	3086.295	632.4294	-2.30344	-4.77619	32.73375	3705.453
7489_7490	7489	7490	-3085.49	-628.811	2.303438	4.776188	-25.7696	-1799.12
7490_7490	7490	7490	3046.407	-65.541	-0.57356	-1.10775	21.49481	1799.124
7490_7491	7490	7491	-3043.56	71.73469	0.573563	1.10775	-18.3068	-2180.58
7491_7491	7491	7491	3044.395	-7.76738	-3.42694	0.548625	17.39325	2180.585
7491_7492	7491	7492	-3040.3	17.19506	3.426938	-0.54863	12.97931	-2291.21
7492_7492	7492	7492	2965.074	60.88556	1.808625	0.063	-17.4956	2291.377
7492_7493	7492	7493	-2958.96	-45.3338	-1.80863	-0.063	-8.5575	-1526.14
7493_7493	7493	7493	2898.012	131.6503	-1.54744	0.631313	3.240563	1526.103
7493_7494	7493	7494	-2895.23	-123.765	1.547438	-0.63131	7.920938	-605.185
7494_7494	7494	7494	2891.569	191.0344	2.290313	-0.00525	-7.63613	605.1885
7494_7495	7494	7495	-2888.97	-183.09	-2.29031	0.00525	-8.87513	742.9761
7495_7495	7495	7495	2838.129	263.025	-1.11169	0.1365	5.1555	-742.972
7495_7496	7495	7496	-2834.57	-250.871	1.111688	-0.1365	6.986438	3548.993
7496_7496	7496	7496	2827.734	318.8063	-0.5565	1.022438	-7.17281	-3548.99
7496_7497	7496	7497	-2826.69	-314.898	0.5565	-1.02244	9.114	4654.225
7497_7497	7497	7497	2829.553	319.8484	27.84994	0.6825	-11.5028	-4654.21
7497_7184	7497	7184	-2828.35	-315.256	-27.8499	-0.6825	-102.538	6073.599
7500_7204	7500	7204	3119.391	-324.692	24.948	0.48825	-111.616	-5555.47
7500_7501	7500	7501	-3120.82	330.1226	-24.948	-0.48825	9.461813	4159.806
7501_7501	7501	7501	3118.731	-322.808	1.294125	0.318938	-10.6956	-4159.85
7501_7502	7501	7502	-3119.96	327.4307	-1.29413	-0.31894	6.183188	3025.78
7502_7502	7502	7502	3126.922	-252.482	0.679875	-0.14044	-6.3525	-3025.78
7502_7503	7502	7503	-3131.13	266.8562	-0.67988	0.140438	-1.06969	190.0474
7503_7503	7503	7503	3124.723	-176.433	1.640625	-0.56438	-1.19569	-190.057
7503_7504	7503	7504	-3127.8	185.8277	-1.64063	0.564375	-10.6313	-1115.36
7504_7504	7504	7504	3131.268	-113.069	-2.52	0.690375	11.14575	1115.353
7504_7505	7504	7505	-3134.56	122.3959	2.52	-0.69038	7.031063	-1964.34
7505_7505	7505	7505	3129.272	-20.2269	1.115625	0.1155	-9.73875	1964.352
7505_7506	7505	7506	-3136.5	38.63344	-1.11563	-0.1155	-6.33938	-2388.67
7506_7506	7506	7506	3130.691	66.81544	-0.04331	0.87675	5.983688	2388.644
7506_7507	7506	7507	-3135.53	-55.6776	0.043313	-0.87675	-5.5965	-1846.35
7507_7507	7507	7507	3133.724	120.1397	2.895375	-0.94106	4.831313	1846.357
7507_7508	7507	7508	-3137.06	-112.875	-2.89538	0.941063	-20.9265	-1198.87
7508_7508	7508	7508	3092.923	-551.813	-4.22756	2.117063	21.86756	1198.803
7508_7509	7508	7509	-3093.87	556.0564	4.227563	-2.11706	-9.08906	-2873.32
7509_7509	7509	7509	3093.96	556.6286	5.366813	-1.48181	8.947313	2872.984
7509_7510	7509	7510	-3093.01	-552.385	-5.36681	1.481813	-25.1698	-1196.71
7510_7510	7510	7510	3131.188	-111.686	0.119438	-0.58144	24.01088	1196.661
7510_7511	7510	7511	-3127.85	118.9506	-0.11944	0.581438	-24.6763	-1837.54
7511_7511	7511	7511	3129.635	-54.6092	-2.814	0.620813	23.91638	1837.551

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7511_7512	7511	7512	-3124.79	65.74575	2.814	-0.62081	1.000125	-2370.38
7512_7512	7512	7512	3123.918	39.15188	0.1785	0.227063	-0.294	2370.38
7512_7513	7512	7513	-3116.69	-20.7454	-0.1785	-0.22706	-2.28506	-1938.59
7513_7513	7513	7513	3116.525	122.2318	0.576188	0.422625	3.369188	1938.607
7513_7514	7513	7514	-3113.23	-112.905	-0.57619	-0.42263	-7.52719	-1090.8
7514_7514	7514	7514	3109.768	185.2384	0.4515	0.291375	7.519313	1090.795
7514_7515	7514	7515	-3106.7	-175.842	-0.4515	-0.29138	-10.7783	210.3688
7515_7515	7515	7515	3107.728	264.7759	-6.36431	3.860063	12.21019	-210.329
7515_7516	7515	7516	-3103.52	-250.401	6.364313	-3.86006	57.28931	3023.331
7516_7516	7516	7516	3096.556	324.7965	-20.2374	-8.70319	-53.4581	-3023.39
7516_7517	7516	7517	-3095.32	-320.174	20.23744	8.703188	124.0496	4148.255
7517_7517	7517	7517	3096.467	327.9268	-77.6278	-4.41394	-110.552	-4148.59
7517_7220	7517	7220	-3095.04	-322.496	77.62781	4.413938	428.4368	5480.332
7520_7240	7520	7240	2916.533	65.44913	148.7824	38.4825	-1350.72	-9596.98
7520_7521	7520	7521	-2918.25	-61.8319	-148.782	-38.4825	989.1263	9751.648
7521_7521	7521	7521	2894.252	-464.481	80.48906	-0.54075	-977.588	-9716.7
7521_7522	7521	7522	-2895.73	470.0312	-80.4891	0.54075	696.8889	8087.183
7522_7522	7522	7522	2906.311	-400.571	74.76656	-0.462	-701.564	-8086.78
7522_7523	7522	7523	-2911.37	417.8383	-74.7666	0.462	-114.957	3617.87
7523_7523	7523	7523	2934.75	-319.354	-2.9295	2.600063	103.5576	-3615.26
7523_7524	7523	7524	-2938.44	330.6424	2.9295	-2.60006	-82.4394	1272.611
7524_7524	7524	7524	2945.309	-262.396	-8.4315	-1.76794	81.61125	-1272.67
7524_7525	7524	7525	-2949.26	273.6038	8.4315	1.767938	-20.7979	-660.487
7525_7525	7525	7525	2935.818	-171.302	-3.44006	0.156188	15.74475	660.0864
7525_7526	7525	7526	-2944.5	193.4087	3.440063	-0.15619	33.84019	-3288.83
7526_7526	7526	7526	2929.448	-92.4801	-1.40831	-4.84313	-35.5438	3286.041
7526_7527	7526	7527	-2935.26	105.8584	1.408313	4.843125	48.00994	-4164.12
7527_7527	7527	7527	2936.805	-45.4703	-9.12975	7.1715	-43.0343	4164.166
7527_7528	7527	7528	-2940.78	54.1275	9.12975	-7.1715	93.77025	-4440.92
7528_7528	7528	7528	2846.555	-673.823	4.05825	-13.6526	-91.2804	4438.672
7528_7529	7528	7529	-2847.69	678.8854	-4.05825	13.65263	79.00331	-6484.81
7529_7529	7529	7529	2843.764	659.904	-2.52788	12.20625	-78.7014	6478.814
7529_7530	7529	7530	-2842.63	-654.859	2.527875	-12.2063	86.32181	-4496.46
7530_7530	7530	7530	2897.604	43.11694	17.67281	-9.48281	-82.6416	4496.099
7530_7531	7530	7531	-2893.63	-34.4571	-17.6728	9.482813	-15.5859	-4280.51
7531_7531	7531	7531	2892.327	94.57613	8.007563	4.705313	9.0825	4280.535
7531_7532	7531	7532	-2886.51	-81.1873	-8.00756	-4.70531	-80.0284	-3501.9
7532_7532	7532	7532	2871.569	172.8248	-3.31538	-0.02363	77.58319	3500.233
7532_7533	7532	7533	-2862.89	-150.726	3.315375	0.023625	-29.8043	-1168.83
7533_7533	7533	7533	2845.98	241.4738	-1.49756	1.855875	29.736	1168.714
7533_7534	7533	7534	-2842.03	-230.264	1.497563	-1.85588	-18.9263	533.0588
7534_7534	7534	7534	2836.004	295.2285	-7.54556	0.245438	19.34888	-533.047
7534_7535	7534	7535	-2832.31	-283.95	7.545563	-0.24544	35.00438	2618.969
7535_7535	7535	7535	2813.101	365.1519	36.05569	8.638875	-30.9501	-2616.98
7535_7536	7535	7536	-2808.04	-347.876	-36.0557	-8.63888	-363.024	6512.587
7536_7536	7536	7536	2799.074	414.4849	28.46156	-18.3855	368.0408	-6512.29
7536_7537	7536	7537	-2797.59	-408.933	-28.4616	18.3855	-467.299	7948.087
7537_7537	7537	7537	2811.266	411.7286	-56.931	-148.877	480.7596	-7968.99
7537_7253	7537	7253	-2809.55	-405.215	56.931	148.8769	-248.002	9735.37
7540_7275	7540	7275	4428.577	-407.589	-10.8714	68.91938	-874.498	-5428.84
7540_7541	7540	7541	-4430.42	414.6043	10.87144	-68.9194	918.9836	3746.655
7541_7541	7541	7541	4399.024	-419.186	64.08938	-8.61394	-906.519	-3780.02
7541_7542	7541	7542	-4400.62	425.1765	-64.0894	8.613938	682.4462	2303.969
7542_7542	7542	7542	4409.925	-316.021	54.92156	3.399375	-683.885	-2303.56
7542_7543	7542	7543	-4415.37	334.5917	-54.9216	-3.39938	84.42656	-1247.07
7543_7543	7543	7543	4441.248	-203.743	8.481375	-6.64125	-91.7503	1239.524
7543_7544	7543	7544	-4445.22	215.8958	-8.48138	6.64125	30.59569	-2752.5
7544_7544	7544	7544	4449.08	-111.062	-3.91781	1.820438	-28.0114	2752.536
7544_7545	7544	7545	-4453.33	123.1125	3.917813	-1.82044	56.24719	-3596.51

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7545_7545	7545	7545	4435.058	18.66506	1.14975	-2.57644	-60.5771	3589.798
7545_7546	7545	7546	-4444.4	5.122688	-1.14975	2.576438	43.99631	-3492.19
7546_7546	7546	7546	4421.501	138.1682	16.12144	-3.63431	-46.3798	3487.784
7546_7547	7546	7547	-4427.76	-123.764	-16.1214	3.634313	-96.4189	-2327.71
7547_7547	7547	7547	4424.209	216.8079	2.135438	1.536938	99.62925	2327.576
7547_7548	7547	7548	-4428.48	-207.522	-2.13544	-1.53694	-111.489	-1149.17
7548_7548	7548	7548	4372.385	-730.498	-1.55925	5.146313	112.7004	1142.237
7548_7549	7548	7549	-4373.6	735.9253	1.55925	-5.14631	-107.987	-3358.57
7549_7549	7549	7549	4401.301	774.0823	-7.37363	-7.61644	108.8706	3369.354
7549_7550	7549	7550	-4400.05	-768.746	7.373625	7.616438	-86.9033	-1071.04
7550_7550	7550	7550	4437.106	-202.472	11.67469	-2.76281	84.72319	1066.102
7550_7551	7550	7551	-4432.6	211.8546	-11.6747	2.762813	-150.772	-2238.09
7551_7551	7551	7551	4436.36	-107.933	1.078875	-1.008	148.2758	2238.255
7551_7552	7551	7552	-4430.21	121.5467	-1.07888	1.008	-157.37	-3205.04
7552_7552	7552	7552	4417.64	49.28569	-0.3045	-1.89525	154.3067	3204.128
7552_7553	7552	7553	-4408.28	-26.145	0.3045	1.89525	-150.023	-2673.12
7553_7553	7553	7553	4388.815	190.9753	6.23175	1.232438	148.8283	2673.371
7553_7554	7553	7554	-4384.58	-179.226	-6.23175	-1.23244	-192.731	-1369.42
7554_7554	7554	7554	4378.652	289.968	0.219188	-1.71544	192.0621	1369.51
7554_7555	7554	7555	-4374.72	-278.125	-0.21919	1.715438	-193.603	629.8845
7555_7555	7555	7555	4372.008	427.2844	-43.6157	2.888813	201.4622	-625.604
7555_7556	7555	7556	-4366.71	-409.157	43.61569	-2.88881	263.1287	5080.418
7556_7556	7556	7556	4353.536	531.1241	-45.5031	7.970813	-262.348	-5080.45
7556_7557	7556	7557	-4351.99	-525.244	45.50306	-7.97081	418.3594	6891.363
7557_7557	7557	7557	4514.987	126.0709	-431.789	-48.1097	-401.212	-6891.42
7557_7288	7557	7288	-4512.54	-119.082	431.7889	48.10969	2204.622	7477.408
47000_7000	47000	7000	0.240188	574.6217	1.82175	4.833938	0	-0.18769
47000_7001	47000	7001	-0.24019	-534.411	-1.82175	-4.83394	-19.1336	5826.155
47001_7001	47001	7001	0.240188	534.4106	1.82175	4.862813	19.13363	-5826.15
47001_7002	47001	7002	-0.24019	-498.448	-1.82175	-4.86281	-36.246	10678.64
47002_7002	47002	7002	0.22575	430.8281	-1.51856	11.37544	36.246	-10678.7
47002_7003	47002	7003	-0.22575	-384.489	1.518563	-11.3754	-17.8579	15614.4
47003_7003	47003	7003	0.224438	384.489	-1.51856	-3.11194	17.85788	-15614.4
47003_7004	47003	7004	-0.22444	-338.117	1.518563	3.111938	0.547313	19991.99
47004_7004	47004	7004	0.229688	279.9497	-0.40425	23.10131	-0.54731	-19992.1
47004_7005	47004	7005	-0.22969	-233.62	0.40425	-23.1013	5.44425	23100.49
47005_7005	47005	7005	0.229688	233.6198	-0.40556	-17.2174	-5.44425	-23100.5
47005_7006	47005	7006	-0.22969	-187.262	0.405563	17.21738	10.35038	25649.4
47006_7006	47006	7006	0.234938	134.3108	1.239	24.79181	-10.3504	-25649.5
47006_7007	47006	7007	-0.23494	-87.9585	-1.239	-24.7918	-4.65544	26995.48
47007_7007	47007	7007	0.23625	87.9585	1.239	-22.26	4.655438	-26995.5
47007_7008	47007	7008	-0.23625	-41.5774	-1.239	22.26	-19.6652	27780.36
47008_7008	47008	7008	0.232313	-10.2244	-0.41869	23.53444	19.66519	-27780.5
47008_7009	47008	7009	-0.23231	56.56219	0.418688	-23.5344	-14.6003	27376.23
47009_7009	47009	7009	0.232313	-56.5622	-0.41869	-24.1553	14.60025	-27376.2
47009_7010	47009	7010	-0.23231	102.9276	0.418688	24.15525	-9.52613	26410.16
47010_7010	47010	7010	0.23625	-153.703	0.821625	18.13875	9.526125	-26410.5
47010_7011	47010	7011	-0.23625	200.0644	-0.82163	-18.1388	-19.4801	24267.84
47011_7011	47011	7011	0.237563	-200.064	0.821625	-21.63	19.48013	-24267.8
47011_7012	47011	7012	-0.23756	246.4166	-0.82163	21.63	-29.4276	21564.22
47012_7012	47012	7012	0.238875	-298.287	0.888563	12.55931	29.42756	-21564.4
47012_7013	47012	7013	-0.23888	344.6336	-0.88856	-12.5593	-40.1835	17671.64
47013_7013	47013	7013	0.240188	-344.634	0.88725	-18.1637	40.1835	-17671.6
47013_7014	47013	7014	-0.24019	391.0095	-0.88725	18.16369	-50.9394	13214.72
47014_7014	47014	7014	0.23625	-450.699	-0.05119	1.544813	50.93944	-13214.9
47014_7015	47014	7015	-0.23625	511.3316	0.051187	-1.54481	-50.1257	5594.642
47015_7015	47015	7015	6.041438	-511.296	-0.05119	-5.74481	50.06269	-5594.49
47015_7016	47015	7016	-6.37744	540.8222	0.051187	5.744813	-49.6361	1250.543
47016_7016	47016	7016	20.60888	-593.385	0.098437	-5.27756	56.90869	-2261.66

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47016_7017	47016	7017	-21.9909	635.5151	-0.09844	5.277563	-58.0689	-5259.04
47017_7017	47017	7017	39.82388	-634.648	0.097125	2.34675	58.46269	5259.042
47017_7018	47017	7018	-42.9306	685.6316	-0.09713	-2.34675	-59.7437	-13994.8
47018_7018	47018	7018	67.61738	-745.555	-0.54206	-27.7056	57.2565	13994.58
47018_7019	47018	7019	-72.1219	796.0785	0.542063	27.70556	-50.4578	-23626.2
47019_7019	47019	7019	94.09838	-793.782	-0.54469	26.31169	56.16056	23626.18
47019_7020	47019	7020	-100.391	847.5246	0.544688	-26.3117	-49.3106	-33715.5
47020_7020	47020	7020	-3148.8	281.6153	-29.6087	-4.10419	671.8281	7442.886
47020_7021	47020	7021	3148.795	-246.741	29.60869	4.104188	-390.561	-4933.37
47021_7021	47021	7021	-3148.81	246.7408	-27.7436	-1.18256	390.5606	4933.371
47021_7022	47021	7022	3148.812	-221.06	27.74363	1.182563	-175.606	-3121.14
47022_7022	47022	7022	-3148.85	221.0604	-23.7038	2.821875	175.6059	3121.134
47022_7023	47022	7023	3148.846	-195.384	23.70375	-2.82188	8.025938	-1508.08
47023_7023	47023	7023	-3148.9	132.4457	-8.59425	-0.9345	-8.02594	1507.964
47023_7024	47023	7024	3148.899	-105.906	8.59425	0.9345	76.84688	-553.681
47024_7024	47024	7024	-3148.91	105.9056	-5.10825	-0.32025	-76.8469	553.6808
47024_7025	47024	7025	3148.907	-79.401	5.10825	0.32025	117.6919	187.2084
47025_7025	47025	7025	-3148.91	79.401	-5.10825	-0.32025	-117.692	-187.208
47025_7026	47025	7026	3148.907	-52.8977	5.10825	0.32025	158.5382	716.1643
47026_7026	47026	7026	-3148.91	-8.56013	-4.79325	-0.21	-158.538	-716.285
47026_7027	47026	7027	3148.911	28.46025	4.79325	0.21	187.3187	605.1478
47027_7027	47027	7027	-3148.91	-28.4603	-5.35369	-0.10238	-187.319	-605.148
47027_7028	47027	7028	3148.909	48.32756	5.353688	0.102375	219.408	375.0036
47028_7028	47028	7028	-3148.91	-48.3276	0.422625	-0.79144	-219.408	-375.004
47028_7029	47028	7029	3148.913	68.22506	-0.42263	0.791438	216.8749	25.16063
47029_7029	47029	7029	-3148.91	-68.2251	0.422625	-0.79144	-216.875	-25.1606
47029_7030	47029	7030	3148.913	88.12256	-0.42263	0.791438	214.3404	-444.129
47030_7030	47030	7030	-3148.92	-149.099	2.082938	-1.92544	-214.34	444.1093
47030_7031	47030	7031	3148.92	175.5915	-2.08294	1.925438	197.6953	-1741.77
47031_7031	47031	7031	-3148.92	-175.592	2.491125	-1.69969	-197.695	1741.77
47031_7032	47031	7032	3148.92	202.1184	-2.49113	1.699688	177.7611	-3253.21
47032_7032	47032	7032	-3148.91	-202.118	6.405	2.344125	-177.761	3253.205
47032_7033	47032	7033	3148.915	228.6401	-6.405	-2.34413	126.5079	-4976.7
47033_7033	47033	7033	-3148.83	-292.491	19.95919	0.048563	-126.508	4976.787
47033_7034	47033	7034	3148.833	318.1763	-19.9592	-0.04856	-28.1636	-7342.93
47034_7034	47034	7034	-3148.86	-318.176	15.91669	-9.37781	28.16363	7342.92
47034_7035	47034	7035	3148.857	343.8645	-15.9167	9.377813	-151.528	-9908.45
47035_7035	47035	7035	-3148.82	-343.865	21.94894	9.600938	151.5281	9908.448
47035_7036	47035	7036	3148.82	378.7324	-21.9489	-9.60094	-359.99	-13606.7
47036_7036	47036	7036	109.914	709.3026	-0.32025	-13.9571	-25.6371	42138.69
47036_7037	47036	7037	-103.621	-655.55	0.32025	13.95713	29.67038	-33381.8
47037_7037	47037	7037	85.48444	658.161	-0.34125	12.81919	-32.3584	33381.79
47037_7038	47037	7038	-80.9799	-607.647	0.34125	-12.8192	36.64631	-25283.4
47038_7038	47038	7038	60.70181	556.9226	2.42025	-7.287	-34.9847	25283.96
47038_7039	47038	7039	-57.5938	-505.922	-2.42025	7.287	2.854688	-18267.2
47039_7039	47039	7039	57.31425	405.3604	1.152375	4.148813	-1.56844	3526.325
47039_7040	47039	7040	-55.9479	-363.685	-1.15238	-4.14881	-11.9779	1141.069
47040_7040	47040	7040	47.49544	309.1279	-0.05381	5.46525	12.04613	-1141.07
47040_7041	47040	7041	-47.1673	-280.214	0.053813	-5.46525	-11.6012	3739.032
47041_7041	47041	7041	43.97925	280.7319	-0.13781	-1.33481	11.66156	-3739.04
47041_7042	47041	7042	-43.9793	-232.273	0.137813	1.334813	-9.54581	7484.313
47042_7042	47042	7042	43.97925	178.4239	0.072187	8.212313	9.545813	-7484.38
47042_7043	47042	7043	-43.9793	-141.043	-0.07219	-8.21231	-10.3989	9385.205
47043_7043	47043	7043	43.97925	141.0426	-0.00131	-7.497	10.39894	-9385.21
47043_7044	47043	7044	-43.9793	-103.667	0.001312	7.497	-10.3766	10841
47044_7044	47044	7044	43.97794	53.00138	-0.08663	4.412625	10.37663	-10841
47044_7045	47044	7045	-43.9779	-15.5978	0.086625	-4.41263	-9.35025	11249.45
47045_7045	47045	7045	43.97794	15.59775	-0.11944	-4.16456	9.35025	-11249.4
47045_7046	47045	7046	-43.9779	21.77306	0.119438	4.164563	-7.92619	11212.72

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47046_7046	47046	7046	43.97925	-71.6927	0.21	8.292375	7.926188	-11212.7
47046_7047	47046	7047	-43.9793	109.0884	-0.21	-8.29238	-10.4226	10136.66
47047_7047	47047	7047	43.98056	-109.088	0.1365	-8.67563	10.42256	-10136.7
47047_7048	47047	7048	-43.9806	146.4789	-0.1365	8.675625	-12.0435	8615.666
47048_7048	47048	7048	43.97925	-197.143	-0.08663	2.1	12.0435	-8615.68
47048_7049	47048	7049	-43.9793	234.5293	0.086625	-2.1	-11.0079	6046.785
47049_7049	47049	7049	43.97925	-234.529	-0.12338	-2.96363	11.00794	-6046.78
47049_7050	47049	7050	-43.9793	271.9146	0.123375	2.963625	-9.534	3033.121
47050_7050	47050	7050	43.98188	-325.921	0.44625	-1.64325	9.534	-3033.11
47050_7051	47050	7051	-43.9819	374.3644	-0.44625	1.64325	-16.4089	-2674.29
47051_7051	47051	7051	48.23569	-373.839	0.37275	2.134125	16.43381	2674.292
47051_7052	47051	7052	-48.5389	400.533	-0.37275	-2.13413	-19.5024	-5893.26
47052_7052	47052	7052	58.94963	-455.582	-0.60638	-9.96581	19.16119	5893.118
47052_7053	47052	7053	-60.2096	494.0171	0.606375	9.965813	-12.0264	-11478.8
47053_7053	47053	7053	76.66575	-498.614	-0.42263	14.58188	25.47038	12073.94
47053_7054	47053	7054	-79.6779	547.9044	0.422625	-14.5819	-19.866	-19226.2
47054_7054	47054	7054	100.1739	-602.483	-1.1445	-21.1444	17.1255	19225.99
47054_7055	47054	7055	-104.528	651.1811	1.1445	21.14438	-2.75888	-26793.3
47055_7055	47055	7055	122.4851	-648.043	-1.218	20.83331	7.107188	26793.33
47055_7056	47055	7056	-128.546	699.6951	1.218	-20.8333	8.224125	-35002.6
47056_7056	47056	7056	-2891.65	329.0648	-22.4123	-7.30538	420.5906	10249.67
47056_7057	47056	7057	2891.651	-295.246	22.41225	7.305375	-207.531	-7282.15
47057_7057	47057	7057	-2891.68	295.2456	-19.0877	1.430625	207.5312	7226.969
47057_7058	47057	7058	2891.675	-268.276	19.08769	-1.43063	-59.5809	-5043.05
47058_7058	47058	7058	-2891.7	268.2763	-15.3668	7.919625	59.58094	5043.041
47058_7059	47058	7059	2891.697	-241.31	15.36675	-7.91963	59.51663	-3068.33
47059_7059	47059	7059	-2891.68	181.1736	-8.73994	-1.62094	-59.5166	3068.418
47059_7060	47059	7060	2891.683	-153.37	8.739938	1.620938	129.3613	-1731.74
47060_7060	47060	7060	-2891.69	153.3696	-4.87331	0.694313	-129.361	1731.741
47060_7061	47060	7061	2891.692	-125.533	4.873313	-0.69431	168.3491	-616.09
47061_7061	47061	7061	-2891.7	125.5328	-1.26788	1.463438	-168.349	616.0888
47061_7062	47061	7062	2891.696	-97.6986	1.267875	-1.46344	178.4882	276.7905
47062_7062	47062	7062	-2891.7	39.63356	-3.99263	0.759938	-178.488	-276.959
47062_7063	47062	7063	2891.696	-18.7399	3.992625	-0.75994	202.4636	452.2153
47063_7063	47063	7063	-2891.7	18.73988	0.811125	0.007875	-202.464	-452.215
47063_7064	47063	7064	2891.699	2.151188	-0.81113	-0.00788	197.5903	502.0168
47064_7064	47064	7064	-2891.7	-2.15119	0.481688	0.065625	-197.59	-502.017
47064_7065	47064	7065	2891.699	23.00681	-0.48169	-0.06563	194.6989	426.6203
47065_7065	47065	7065	-2891.7	-23.0068	0.811125	0.017063	-194.699	-426.62
47065_7066	47065	7066	2891.699	43.89788	-0.81113	-0.01706	189.8256	225.7736
47066_7066	47066	7066	-2891.7	-102.014	5.519063	0.21	-189.826	-225.662
47066_7067	47066	7067	2891.7	129.8417	-5.51906	-0.21	145.6888	-701.477
47067_7067	47067	7067	-2891.7	-129.842	5.519063	0.21	-145.689	701.4774
47067_7068	47067	7068	2891.7	157.668	-5.51906	-0.21	101.5508	-1851.17
47068_7068	47068	7068	-2891.7	-157.668	5.757938	0.363563	-101.551	1851.166
47068_7069	47068	7069	2891.699	185.5298	-5.75794	-0.36356	55.44263	-3225.26
47069_7069	47069	7069	-2891.62	-245.556	17.1465	-4.71188	-55.4426	3225.469
47069_7070	47069	7070	2891.62	272.5078	-17.1465	4.711875	-77.3758	-5231.97
47070_7070	47070	7070	-2891.6	-272.508	20.87138	2.029125	77.37581	5231.97
47070_7071	47070	7071	2891.595	299.4574	-20.8714	-2.02913	-239.039	-7447.05
47071_7071	47071	7071	-2891.59	-299.457	21.15488	3.1605	239.0391	7502.236
47071_7072	47071	7072	2891.594	333.2503	-21.1549	-3.1605	-439.988	-10507.3
47072_7072	47072	7072	121.716	691.1389	0.87675	-9.77813	-11.2547	35277.96
47072_7073	47072	7073	-115.655	-639.451	-0.87675	9.778125	0.21525	-26905.8
47073_7073	47073	7073	97.95713	642.4005	0.843938	11.62481	-2.39663	26905.81
47073_7074	47073	7074	-93.6036	-593.679	-0.84394	-11.6248	-8.20444	-19150.3
47074_7074	47074	7074	73.89506	546.9122	0.307125	-0.46988	9.253125	19150.68
47074_7075	47074	7075	-70.8842	-497.645	-0.30713	0.469875	-13.3271	-12223.1
47075_7075	47075	7075	53.949	394.8998	0.507938	-1.29938	8.537813	-3557.76

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47075_7076	47075	7076	-52.7297	-357.746	-0.50794	1.299375	-14.5149	7981.23
47076_7076	47076	7076	44.48194	309.1515	-0.03413	7.51275	14.37975	-7981.48
47076_7077	47076	7077	-44.1893	-283.318	0.034125	-7.51275	-14.0976	10426.51
47077_7077	47077	7077	40.96838	283.8006	-0.08138	-4.77881	14.18288	-10438.4
47077_7078	47077	7078	-40.9684	-237.398	0.081375	4.778813	-13.0397	14082.07
47078_7078	47078	7078	40.96706	189.4318	-0.38194	8.023313	13.03969	-14082.1
47078_7079	47078	7079	-40.9671	-152.274	0.381938	-8.02331	-8.76619	15995.11
47079_7079	47079	7079	40.96706	152.2736	-0.41606	-5.47575	8.766188	-15995.1
47079_7080	47079	7080	-40.9671	-115.148	0.416063	5.47575	-4.10813	17490.81
47080_7080	47080	7080	40.96838	70.42744	0.179813	9.1455	4.108125	-17491
47080_7081	47080	7081	-40.9684	-33.3073	-0.17981	-9.1455	-6.11494	18071.09
47081_7081	47081	7081	40.96838	33.30731	0.140438	-7.81331	6.114938	-18071.1
47081_7082	47081	7082	-40.9684	3.845625	-0.14044	7.813313	-7.69388	18235.99
47082_7082	47082	7082	40.96838	-50.3265	-0.09975	7.332938	7.693875	-18236.1
47082_7083	47082	7083	-40.9684	90.23569	0.09975	-7.33294	-6.48638	17391.01
47083_7083	47083	7083	40.96706	-90.2357	-0.13388	-7.11244	6.486375	-17391
47083_7084	47083	7084	-40.9671	130.1423	0.133875	7.112438	-4.87069	16066.05
47084_7084	47084	7084	40.96838	-176.25	-0.06169	5.376	4.870688	-16066.2
47084_7085	47084	7085	-40.9684	213.3954	0.061688	-5.376	-4.18031	13885.6
47085_7085	47085	7085	40.96838	-213.395	-0.09713	-6.43913	4.180313	-13885.6
47085_7086	47085	7086	-40.9684	250.5064	0.097125	6.439125	-3.10013	11291.89
47086_7086	47086	7086	40.96838	-295.463	0.112875	5.93775	3.100125	-11291.9
47086_7087	47086	7087	-40.9684	332.6059	-0.11288	-5.93775	-4.37063	7777.326
47087_7087	47087	7087	40.96838	-332.606	0.040688	-7.94719	4.370625	-7777.33
47087_7088	47087	7088	-40.9684	369.7457	-0.04069	7.947188	-4.82344	3847.409
47088_7088	47088	7088	40.96838	-417.396	0.12075	-2.86519	4.823438	-3847.43
47088_7089	47088	7089	-40.9684	462.042	-0.12075	2.865188	-6.44175	-2067.89
47089_7089	47089	7089	46.21838	-461.546	0.043313	0.9555	6.45225	2079.81
47089_7090	47089	7090	-46.5281	488.8314	-0.04331	-0.9555	-6.80663	-6178.84
47090_7090	47090	7090	58.6005	-536.683	-0.57094	-11.9398	6.407625	6178.705
47090_7091	47090	7091	-59.8881	575.9329	0.570938	11.93981	0.308437	-12788.9
47091_7091	47091	7091	78.95344	-579.554	-0.32288	8.360625	8.430188	13253.27
47091_7092	47091	7092	-81.9079	628.0299	0.322875	-8.36063	-4.14356	-21216.5
47092_7092	47092	7092	104.4448	-680.846	-0.9135	-24.171	1.487063	21216.13
47092_7093	47092	7093	-108.72	728.7827	0.9135	24.171	9.98025	-30146.5
47093_7093	47093	7093	128.8074	-725.501	-0.98306	23.51738	-5.0925	30146.46
47093_7094	47093	7094	-134.768	776.3976	0.983063	-23.5174	17.46806	-39687.2
47094_7094	47094	7094	-3136.54	300.6911	-15.183	-7.05863	227.4038	10913.64
47094_7095	47094	7095	3136.536	-267.459	15.183	7.058625	-83.0681	-8105.15
47095_7095	47095	7095	-3136.55	267.4586	-12.3467	0.273	83.06813	8105.155
47095_7096	47095	7096	3136.55	-241.16	12.34669	-0.273	12.54881	-6135.6
47096_7096	47096	7096	-3136.56	241.1601	-8.16244	8.456438	-12.5488	6135.598
47096_7097	47096	7097	3136.563	-214.83	8.162438	-8.45644	75.84544	-4367.64
47097_7097	47097	7097	-3136.57	157.6365	-0.75863	-3.97556	-75.8454	4367.629
47097_7098	47097	7098	3136.571	-130.49	0.758625	3.975563	81.90919	-3215.9
47098_7098	47098	7098	-3136.57	130.4901	3.290438	0.175875	-81.9092	3215.907
47098_7099	47098	7099	3136.569	-103.311	-3.29044	-0.17588	55.57388	-2280.21
47099_7099	47099	7099	-3136.56	103.3108	7.206938	3.022688	-55.5739	2280.204
47099_7100	47099	7100	3136.563	-76.1329	-7.20694	-3.02269	-2.1105	-1562.07
47100_7100	47100	7100	-3136.59	20.18363	-0.79931	-0.24675	2.1105	1562.208
47100_7101	47100	7101	3136.592	0.166688	0.799313	0.24675	2.676188	-1502.23
47101_7101	47101	7101	-3136.59	-0.16669	4.589813	2.333625	-2.67619	1502.226
47101_7102	47101	7102	3136.589	20.5485	-4.58981	-2.33363	-24.8732	-1564.4
47102_7102	47102	7102	-3136.59	-20.5485	-5.85506	-2.87569	24.87319	1564.399
47102_7103	47102	7103	3136.586	40.93425	5.855063	2.875688	10.27688	-1748.95
47103_7103	47103	7103	-3136.59	-40.9343	-0.79931	-0.05644	-10.2769	1748.952
47103_7104	47103	7104	3136.592	61.28325	0.799313	0.056438	15.06356	-2055.25
47104_7104	47104	7104	-3136.59	-117.319	-6.216	-2.688	-15.0636	2055.136
47104_7105	47104	7105	3136.59	144.4971	6.216	2.688	64.81388	-3102.92

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47105_7105	47105	7105	-3136.6	-144.497	-2.29819	1.187813	-64.8139	3102.917
47105_7106	47105	7106	3136.595	171.6737	2.298188	-1.18781	83.2125	-4368.17
47106_7106	47106	7106	-3136.6	-171.674	-2.41631	1.02375	-83.2125	4368.172
47106_7107	47106	7107	3136.595	198.8175	2.416313	-1.02375	102.5273	-5848.95
47107_7107	47107	7107	-3136.56	-255.802	10.04194	-4.12781	-102.527	5849.029
47107_7108	47107	7108	3136.559	282.1284	-10.0419	4.127813	24.66975	-7934.36
47108_7108	47108	7108	-3136.56	-282.128	10.04194	-4.12781	-24.6698	7934.355
47108_7109	47108	7109	3136.559	308.4559	-10.0419	4.127813	-53.1878	-10223.8
47109_7109	47109	7109	-3136.55	-308.456	13.14469	5.985	53.18775	10223.79
47109_7110	47109	7110	3136.548	341.6438	-13.1447	-5.985	-177.974	-13442.8
47110_7110	47110	7110	142.9956	723.3529	0.259875	-26.9509	-9.37781	42791.64
47110_7111	47110	7111	-137.037	-672.433	-0.25988	26.95088	6.104438	-33921.1
47111_7111	47111	7111	118.4243	675.9585	0.166688	26.71725	-11.6143	33921.08
47111_7112	47111	7112	-114.149	-628.004	-0.16669	-26.7173	9.514313	-25911.4
47112_7112	47112	7112	93.62456	583.5231	0.459375	-3.801	-6.88538	25911.95
47112_7113	47112	7113	-90.6701	-535.072	-0.45938	3.801	0.788812	-18524.7
47113_7113	47113	7113	68.45869	431.8913	0.439688	2.510813	11.28488	2188.769
47113_7114	47113	7114	-67.1843	-393.023	-0.43969	-2.51081	-16.4614	2860.779
47114_7114	47114	7114	58.17394	344.1454	-0.20081	3.392813	16.49813	-2860.85
47114_7115	47114	7115	-57.8668	-317.121	0.200813	-3.39281	-14.8404	5998.326
47115_7115	47115	7115	54.26006	317.7576	-0.231	0.087937	14.8785	-6015.49
47115_7116	47115	7116	-54.2601	-274.579	0.231	-0.08794	-11.6458	9606.932
47116_7116	47116	7116	54.26006	227.5403	-0.22706	5.908875	11.64581	-9606.94
47116_7117	47116	7117	-54.2601	-192.956	0.227063	-5.90888	-9.10088	11960.03
47117_7117	47117	7117	54.26006	192.9559	-0.27563	-4.58456	9.100875	-11960
47117_7118	47117	7118	-54.2601	-158.402	0.275625	4.584563	-6.02569	13924.43
47118_7118	47118	7118	54.26006	115.563	-0.25069	0.347813	6.025688	-13924.3
47118_7119	47118	7119	-54.2601	-80.9799	0.250688	-0.34781	-3.22481	15024.13
47119_7119	47119	7119	54.26006	80.97994	-0.25069	0.347813	3.224813	-15024.1
47119_7120	47119	7120	-54.2601	-46.3956	0.250688	-0.34781	-0.42263	15736.89
47120_7120	47120	7120	54.26006	0.368812	-0.07875	12.8205	0.422625	-15737
47120_7121	47120	7121	-54.2601	36.77888	0.07875	-12.8205	0.527625	15518.17
47121_7121	47121	7121	54.26006	-36.7789	-0.16931	-12.9951	-0.52763	-15518.2
47121_7122	47121	7122	-54.2601	73.92525	0.169313	12.99506	2.562	14852.79
47122_7122	47122	7122	54.26006	-119.203	-0.19425	5.484938	-2.562	-14852.8
47122_7123	47122	7123	-54.2601	153.7843	0.19425	-5.48494	4.74075	13325.32
47123_7123	47123	7123	54.25875	-153.784	-0.24281	-6.42075	-4.74075	-13325.3
47123_7124	47123	7124	-54.2588	188.3661	0.242813	6.42075	7.462875	11410.88
47124_7124	47124	7124	54.25875	-232.712	0.009188	6.944438	-7.46288	-11410.9
47124_7125	47124	7125	-54.2588	267.2919	-0.00919	-6.94444	7.364438	8613.233
47125_7125	47125	7125	54.25875	-267.292	-0.08794	-8.44856	-7.36444	-8613.23
47125_7126	47125	7126	-54.2588	301.8724	0.087938	8.448563	8.351438	5428.652
47126_7126	47126	7126	54.26006	-348.811	-0.10894	-0.57356	-8.35144	-5428.69
47126_7127	47126	7127	-54.2601	390.5921	0.108938	0.573563	9.82275	455.9975
47127_7127	47127	7127	58.69369	-389.95	-0.18113	-0.98438	-9.83456	-439.461
47127_7128	47127	7128	-58.9759	414.7618	0.181125	0.984375	11.33081	-3079.35
47128_7128	47128	7128	69.56775	-465.599	-0.7245	-7.10588	-11.5579	3079.263
47128_7129	47128	7129	-70.7385	501.3133	0.7245	7.105875	20.07469	-9103.4
47129_7129	47129	7129	90.12675	-506.33	-2.016	11.42006	-29.9919	9782.52
47129_7130	47129	7130	-92.9867	553.2778	2.016	-11.4201	56.75381	-16747.3
47130_7130	47130	7130	112.9944	-601.449	3.247125	-8.65331	-58.3419	16747.28
47130_7131	47130	7131	-117.141	647.9498	-3.24713	8.653313	17.59406	-24819.5
47131_7131	47131	7131	140.2078	-643.353	3.206438	8.422313	-15.8314	24819.47
47131_7132	47131	7132	-145.999	689.5704	-3.20644	-8.42231	-21.9109	-32896.8
47132_7132	47132	7132	-2813.98	271.5024	18.18863	8.001	-217.884	8388.287
47132_7133	47132	7133	2813.975	-236.614	-18.1886	-8.001	30.17963	-5522.09
47133_7133	47133	7133	-2814	236.6136	14.55694	0.87675	-30.1796	5522.096
47133_7134	47133	7134	2813.996	-212.659	-14.5569	-0.87675	-82.6403	-3781.16
47134_7134	47134	7134	-2814.02	212.6591	7.309313	-8.86331	82.64025	3781.152

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47134_7135	47134	7135	2814.024	-188.675	-7.30931	8.863313	-139.363	-2223.97
47135_7135	47135	7135	-2814.01	137.1129	-4.06219	-1.17994	139.3626	2224.071
47135_7136	47135	7136	2814.009	-112.417	4.062188	1.179938	-106.906	-1227.18
47136_7136	47136	7136	-2814.01	112.4169	-0.52238	0.363563	106.9058	1227.182
47136_7137	47136	7137	2814.012	-87.6894	0.522375	-0.36356	-102.724	-426.749
47137_7137	47137	7137	-2814.01	87.68944	-0.52238	0.363563	102.7241	426.7489
47137_7138	47137	7138	2814.012	-62.9619	0.522375	-0.36356	-98.5425	175.8658
47138_7138	47138	7138	-2814	12.85725	-6.06244	0.0525	98.5425	-175.929
47138_7139	47138	7139	2813.996	5.687063	6.062438	-0.0525	-62.1679	197.4407
47139_7139	47139	7139	-2814	-5.68706	-1.37288	-0.27563	62.16788	-197.441
47139_7140	47139	7140	2814.003	24.23269	1.372875	0.275625	-53.9333	107.6788
47140_7140	47140	7140	-2814	-24.2327	-1.37288	-0.27563	53.93325	-107.679
47140_7141	47140	7141	2814.003	42.77831	1.372875	0.275625	-45.6973	-93.3568
47141_7141	47141	7141	-2814	-42.7783	-1.37288	-0.27563	45.69731	93.35681
47141_7142	47141	7142	2814.003	61.32263	1.372875	0.275625	-37.4627	-405.664
47142_7142	47142	7142	-2813.99	-113.749	-5.75269	-1.41225	37.46269	405.5888
47142_7143	47142	7143	2813.992	138.4766	5.752688	1.41225	8.560125	-1414.51
47143_7143	47143	7143	-2814	-138.477	-2.23519	0.355688	-8.56013	1414.51
47143_7144	47143	7144	2813.997	163.2028	2.235188	-0.35569	26.44294	-2621.24
47144_7144	47144	7144	-2814	-163.203	-2.23519	0.355688	-26.4429	2621.244
47144_7145	47144	7145	2813.997	187.9303	2.235188	-0.35569	44.32444	-4025.8
47145_7145	47145	7145	-2814.02	-245.314	1.177313	2.118375	-44.3244	4025.709
47145_7146	47145	7146	2814.022	269.2686	-1.17731	-2.11838	35.19731	-6019.75
47146_7146	47146	7146	-2814.02	-269.269	-2.45306	-5.649	-35.1973	6019.745
47146_7147	47146	7147	2814.022	293.223	2.453063	5.649	54.20888	-8199.45
47147_7147	47147	7147	-2814.02	-293.223	0.891188	4.095	-54.2089	8199.449
47147_7148	47147	7148	2814.022	325.3412	-0.89119	-4.095	45.74325	-11137.7
47148_7148	47148	7148	158.1484	642.0842	-0.56569	-11.8703	-15.2171	36333.87
47148_7149	47148	7149	-152.358	-592.621	0.565688	11.87025	22.33613	-28567.7
47149_7149	47149	7149	135.9343	596.6021	-0.63131	11.51456	-24.6842	28567.65
47149_7150	47149	7150	-131.788	-550.102	0.631313	-11.5146	32.61038	-21374.9
47150_7150	47150	7150	113.2425	503.7821	2.481938	-1.36369	-31.4344	21374.88
47150_7151	47150	7151	-110.383	-456.833	-2.48194	1.363688	-1.51725	-15001.1
47151_7151	47151	7151	82.62581	339.2681	0.565688	0.392438	-13.3035	-472.954
47151_7152	47151	7152	-81.4223	-302.58	-0.56569	-0.39244	6.65175	4245.293
47152_7152	47152	7152	74.30719	249.9368	-0.01969	-3.92963	-6.59138	-4245.36
47152_7153	47152	7153	-74.0171	-224.441	0.019687	3.929625	6.752813	6202.252
47153_7153	47153	7153	71.46169	225.2683	0.049875	2.160375	-6.79744	-6202.25
47153_7154	47153	7154	-71.4617	-184.09	-0.04988	-2.16038	6.114938	9016.636
47154_7154	47154	7154	71.46169	133.7477	0.049875	0.216563	-6.11494	-9016.63
47154_7155	47154	7155	-71.4617	-100.805	-0.04988	-0.21656	5.562375	10306.7
47155_7155	47155	7155	71.46169	100.8053	0.049875	0.216563	-5.56238	-10306.7
47155_7156	47155	7156	-71.4617	-67.8628	-0.04988	-0.21656	5.009813	11234.39
47156_7156	47156	7156	71.46169	22.87163	0.074813	-5.58206	-5.00981	-11234.4
47156_7157	47156	7157	-71.4617	7.075688	-0.07481	5.582063	4.265625	11313.37
47157_7157	47157	7157	71.46169	-7.07569	0.145688	5.730375	-4.26563	-11313.4
47157_7158	47157	7158	-71.4617	37.02431	-0.14569	-5.73038	2.80875	11092.86
47158_7158	47158	7158	71.46169	-77.2669	0.093188	-5.19356	-2.80875	-11092.8
47158_7159	47158	7159	-71.4617	107.2444	-0.09319	5.193563	1.871625	10169.3
47159_7159	47159	7159	71.46169	-107.244	0.165375	5.026875	-1.87163	-10169.3
47159_7160	47159	7160	-71.4617	137.193	-0.16538	-5.02688	0.217875	8947.091
47160_7160	47160	7160	71.46169	-182.476	0.105	-3.32194	-0.21788	-8947.07
47160_7161	47160	7161	-71.4617	215.418	-0.105	3.321938	-0.94238	6758.635
47161_7161	47161	7161	71.46169	-215.418	0.170625	2.821875	0.942375	-6758.64
47161_7162	47161	7162	-71.4617	248.3591	-0.17063	-2.82188	-2.81794	4207.824
47162_7162	47162	7162	71.46038	-300.199	0.33075	-0.3675	2.817938	-4207.85
47162_7163	47162	7163	-71.4604	341.3773	-0.33075	0.3675	-7.36181	-205.091
47163_7163	47163	7163	75.33488	-340.543	0.261188	-0.25331	7.359188	205.0914
47163_7164	47163	7164	-75.6249	366.0392	-0.26119	0.253313	-9.51431	-3149.04

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47164_7164	47164	7164	85.29938	-420.655	-0.03544	-2.55806	9.436875	3149.126
47164_7165	47164	7165	-86.5029	457.3446	0.035437	2.558063	-9.02738	-8361.25
47165_7165	47165	7165	106.1274	-463.743	0.195563	2.877	12.7575	9120.794
47165_7166	47165	7166	-109.025	511.2686	-0.19556	-2.877	-15.3576	-15649.9
47166_7166	47166	7166	129.2078	-574.149	0.101063	-8.77144	14.43094	15649.74
47166_7167	47166	7167	-133.405	621.2286	-0.10106	8.771438	-15.7067	-23222.9
47167_7167	47167	7167	150.5096	-617.307	0.039375	9.06675	17.598	23222.91
47167_7168	47167	7168	-156.367	667.3485	-0.03938	-9.06675	-18.0941	-31073.5
47168_7168	47168	7168	-2738.74	305.3531	-2.68931	-4.50319	22.449	8394.157
47168_7169	47168	7169	2738.736	-272.795	2.689313	4.503188	3.104063	-5647.9
47169_7169	47169	7169	-2738.74	272.7953	0.4725	2.017313	-3.10406	5647.898
47169_7170	47169	7170	2738.737	-248.181	-0.4725	-2.01731	-0.55519	-3629.09
47170_7170	47170	7170	-2738.74	248.1806	0.4725	2.017313	0.555187	3629.087
47170_7171	47170	7171	2738.737	-223.566	-0.4725	-2.01731	-4.21313	-1801.05
47171_7171	47171	7171	-2738.74	161.9271	1.052625	0.7035	4.213125	1800.918
47171_7172	47171	7172	2738.741	-136.517	-1.05263	-0.7035	-12.6302	-607.126
47172_7172	47172	7172	-2738.74	136.5171	-2.37169	-0.05644	12.63019	607.1258
47172_7173	47172	7173	2738.74	-111.108	2.371688	0.056438	6.340688	383.3983
47173_7173	47173	7173	-2738.74	111.1084	1.052625	-0.5355	-6.34069	-383.397
47173_7174	47173	7174	2738.741	-85.6997	-1.05263	0.5355	-2.07638	1170.637
47174_7174	47174	7174	-2738.74	28.31719	1.127438	-0.56306	2.076375	-1170.74
47174_7175	47174	7175	2738.74	-9.25969	-1.12744	0.563063	-8.84494	1283.468
47175_7175	47175	7175	-2738.74	9.259688	-3.43613	1.575	8.844938	-1283.47
47175_7176	47175	7176	2738.739	9.7965	3.436125	-1.575	11.77313	1281.854
47176_7176	47176	7176	-2738.74	-9.7965	1.127438	-0.56044	-11.7731	-1281.86
47176_7177	47176	7177	2738.74	28.854	-1.12744	0.560438	5.004563	1165.902
47177_7177	47177	7177	-2738.74	-28.854	1.127438	-0.56044	-5.00456	-1165.9
47177_7178	47177	7178	2738.74	47.91019	-1.12744	0.560438	-1.764	935.6051
47178_7178	47178	7178	-2738.74	-105.751	0.749438	-0.5565	1.764	-935.705
47178_7179	47178	7179	2738.737	131.1594	-0.74944	0.5565	-7.76475	-11.9464
47179_7179	47179	7179	-2738.74	-131.159	-2.67356	-0.57225	7.76475	11.94506
47179_7180	47179	7180	2738.736	156.5694	2.673563	0.57225	13.62113	-1162.88
47180_7180	47180	7180	-2738.74	-156.569	0.749438	0.882	-13.6211	1162.882
47180_7181	47180	7181	2738.737	181.9781	-0.74944	-0.882	7.620375	-2517.08
47181_7181	47181	7181	-2738.75	-243.893	1.565813	2.606625	-7.62038	2516.973
47181_7182	47181	7182	2738.748	268.5073	-1.56581	-2.60663	-4.51894	-4502.55
47182_7182	47182	7182	-2738.75	-268.507	1.565813	2.606625	4.518938	4502.548
47182_7183	47182	7183	2738.748	293.1219	-1.56581	-2.60663	-16.6583	-6678.89
47183_7183	47183	7183	-2738.75	-293.122	-1.596	-5.10431	16.65825	6678.893
47183_7184	47183	7184	2738.748	325.6798	1.596	5.104313	-1.5015	-9810.63
47184_7184	47184	7184	156.4316	644.4257	0.301875	10.18894	-21.8453	33272.91
47184_7185	47184	7185	-150.573	-594.384	-0.30188	-10.1889	18.04294	-25573.3
47185_7185	47185	7185	134.1008	598.3163	0.366188	-9.09956	-15.9915	25573.35
47185_7186	47185	7186	-129.903	-551.237	-0.36619	9.099563	11.3925	-18322.6
47186_7186	47186	7186	110.9758	498.7238	-1.08806	-0.74025	-12.1328	18322.58
47186_7187	47186	7187	-108.078	-451.161	1.088063	0.74025	26.56894	-12220.5
47187_7187	47187	7187	85.31906	328.3665	0.421313	1.704938	-5.47838	-4700.7
47187_7188	47187	7188	-84.0617	-290.017	-0.42131	-1.70494	0.525	8625.882
47188_7188	47188	7188	77.18156	234.6054	0.032813	-5.0925	-0.41081	-8625.87
47188_7189	47188	7189	-76.8784	-207.943	-0.03281	5.0925	0.137813	9812.498
47189_7189	47189	7189	74.51063	208.8043	0.105	4.408688	-0.19556	-9801.45
47189_7190	47189	7190	-74.5106	-163.842	-0.105	-4.40869	-1.25081	12363.43
47190_7190	47190	7190	74.51194	109.1449	-0.11419	0.38325	1.250813	-12363.4
47190_7191	47190	7191	-74.5119	-73.1758	0.114188	-0.38325	0.0105	13366.21
47191_7191	47191	7191	74.51194	73.17581	-0.11419	0.38325	-0.0105	-13366.2
47191_7192	47191	7192	-74.5119	-37.2068	0.114188	-0.38325	1.271813	13973.32
47192_7192	47192	7192	74.51063	-11.6064	0.040688	0.128625	-1.27181	-13973.3
47192_7193	47192	7193	-74.5106	44.24044	-0.04069	-0.12863	0.861	13694.61
47193_7193	47193	7193	74.51063	-44.2404	0.040688	0.060375	-0.861	-13694.6

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47193_7194	47193	7194	-74.5106	76.90725	-0.04069	-0.06038	0.452812	13089.47
47194_7194	47194	7194	74.51063	-120.75	0.137813	5.708063	-0.45281	-13089.5
47194_7195	47194	7195	-74.5106	153.4168	-0.13781	-5.70806	-0.91875	11720.05
47195_7195	47195	7195	74.51063	-153.417	0.063	-6.02306	0.91875	-11720
47195_7196	47195	7196	-74.5106	186.0823	-0.063	6.023063	-1.54481	10024.23
47196_7196	47196	7196	74.51063	-234.721	0.124688	-0.41869	1.544813	-10024.2
47196_7197	47196	7197	-74.5106	270.6913	-0.12469	0.418688	-2.91769	7244.413
47197_7197	47197	7197	74.51063	-270.691	0.124688	-0.41869	2.917688	-7244.41
47197_7198	47197	7198	-74.5106	306.6604	-0.12469	0.418688	-4.28925	4068.938
47198_7198	47198	7198	74.51194	-360.976	-0.03281	-0.91875	4.28925	-4068.96
47198_7199	47198	7199	-74.5119	405.9051	0.032813	0.91875	-3.84825	-1235.59
47199_7199	47199	7199	79.20938	-405.014	-0.105	0.174563	3.849563	1213.501
47199_7200	47199	7200	-79.5309	432.7798	0.105	-0.17456	-2.98594	-4773.28
47200_7200	47200	7200	90.90638	-489.164	-0.66938	3.195938	3.09225	4773.341
47200_7201	47200	7201	-92.2412	529.0858	0.669375	-3.19594	4.77225	-10937.9
47201_7201	47201	7201	109.6449	-536.452	-0.105	-6.447	0.6825	11888.5
47201_7202	47201	7202	-112.929	589.6131	0.105	6.447	0.7035	-19394.9
47202_7202	47202	7202	135.5104	-652.147	-0.72975	9.942188	0.590625	19394.81
47202_7203	47202	7203	-140.233	704.508	0.72975	-9.94219	8.56275	-27800.7
47203_7203	47203	7203	159.6761	-700.358	-0.66806	-11.6931	-10.8688	27800.73
47203_7204	47203	7204	-166.215	755.6811	0.668063	11.69306	19.27931	-37052.5
47204_7204	47204	7204	-3069.19	346.9358	-9.6705	2.70375	245.259	10829.69
47204_7205	47204	7205	3069.193	-310.364	9.6705	-2.70375	-153.389	-7600.25
47205_7205	47205	7205	-3069.18	310.3643	-13.3179	-4.69613	153.3893	7224.018
47205_7206	47205	7206	3069.179	-282.474	13.31794	4.696125	-50.1729	-4926.72
47206_7206	47206	7206	-3069.19	282.4736	-9.35813	1.660313	50.17294	4926.725
47206_7207	47206	7207	3069.193	-254.584	9.358125	-1.66031	22.35056	-2845.6
47207_7207	47207	7207	-3069.27	188.1548	-1.84669	0.066938	-22.3506	2845.588
47207_7208	47207	7208	3069.271	-159.365	1.846688	-0.06694	37.12931	-1455.49
47208_7208	47208	7208	-3069.27	159.3651	-1.84669	0.066938	-37.1293	1455.488
47208_7209	47208	7209	3069.271	-130.575	1.846688	-0.06694	51.90806	-295.709
47209_7209	47209	7209	-3069.27	130.5754	-5.68444	-0.30319	-51.9081	295.7089
47209_7210	47209	7210	3069.266	-101.786	5.684438	0.303188	97.37963	633.7551
47210_7210	47210	7210	-3069.29	36.03075	0.228375	-0.44231	-97.3796	-633.734
47210_7211	47210	7211	3069.294	-14.4388	-0.22838	0.442313	96.012	785.1467
47211_7211	47211	7211	-3069.29	14.43881	0.228375	-0.44231	-96.012	-785.147
47211_7212	47211	7212	3069.294	7.153125	-0.22838	0.442313	94.64438	807.0051
47212_7212	47212	7212	-3069.29	-7.15313	-4.88775	0.903	-94.6444	-807.004
47212_7213	47212	7213	3069.29	28.74638	4.88775	-0.903	123.9696	699.3053
47213_7213	47213	7213	-3069.29	-28.7464	0.228375	-0.2625	-123.97	-699.305
47213_7214	47213	7214	3069.294	50.33831	-0.22838	0.2625	122.6019	462.0512
47214_7214	47214	7214	-3069.33	-117.082	3.252375	0.707438	-122.602	-462.028
47214_7215	47214	7215	3069.33	145.8713	-3.25238	-0.70744	96.58163	-589.801
47215_7215	47215	7215	-3069.33	-145.871	3.252375	0.707438	-96.5816	589.8008
47215_7216	47215	7216	3069.33	174.6609	-3.25238	-0.70744	70.56131	-1871.95
47216_7216	47216	7216	-3069.33	-174.661	-0.58406	-1.63275	-70.5613	1871.948
47216_7217	47216	7217	3069.331	203.4519	0.584063	1.63275	75.23381	-3384.43
47217_7217	47217	7217	-3069.4	-270.939	8.64675	-26.0124	-75.2338	3384.112
47217_7218	47217	7218	3069.395	298.8287	-8.64675	26.01244	8.217563	-5591.99
47218_7218	47218	7218	-3069.4	-298.829	8.64675	-26.0124	-8.21756	5591.994
47218_7219	47218	7219	3069.395	326.7193	-8.64675	26.01244	-58.7974	-8016.03
47219_7219	47219	7219	-3069.18	-326.719	37.4115	53.69831	58.79738	8392.15
47219_7220	47219	7220	3069.179	363.2908	-37.4115	-53.6983	-414.212	-11669.7
47220_7220	47220	7220	146.0183	716.6198	1.870313	-46.7316	-26.9798	37931.1
47220_7221	47220	7221	-139.479	-661.335	-1.87031	46.73156	3.457125	-29268.3
47221_7221	47221	7221	121.0663	664.9532	1.676063	46.28138	-13.1329	29268.31
47221_7222	47221	7222	-116.343	-612.583	-1.67606	-46.2814	-7.90781	-21465.1
47222_7222	47222	7222	95.43319	559.335	-2.85731	-3.6225	12.28106	21467.13
47222_7223	47222	7223	-92.1493	-506.16	2.857313	3.6225	25.65938	-14324.4

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47223_7223	47223	7223	88.66594	386.0364	1.162875	-1.29413	-17.3604	-1960.79
47223_7224	47223	7224	-87.2616	-344.054	-1.16288	1.294125	3.689438	6479.42
47224_7224	47224	7224	79.00594	283.542	0.737625	17.71219	-3.93488	-6480.45
47224_7225	47224	7225	-78.6673	-254.301	-0.73763	-17.7122	-2.15381	8450.811
47225_7225	47225	7225	75.71944	255.1946	0.460688	-13.3048	2.359875	-8440.26
47225_7226	47225	7226	-75.7194	-200.259	-0.46069	13.30481	-9.25575	11848.88
47226_7226	47226	7226	75.726	137.4293	0.752063	23.18006	9.25575	-11849.6
47226_7227	47226	7227	-75.726	-94.7901	-0.75206	-23.1801	-17.9865	13198.5
47227_7227	47227	7227	75.72863	94.79006	0.48825	-22.6774	17.9865	-13198.5
47227_7228	47227	7228	-75.7286	-52.1811	-0.48825	22.67738	-23.6552	14051.6
47228_7228	47228	7228	75.72863	-8.19919	0.652313	29.10994	23.65519	-14051.2
47228_7229	47228	7229	-75.7286	50.81213	-0.65231	-29.1099	-31.2349	13708.68
47229_7229	47229	7229	75.72994	-50.8121	0.326813	-29.862	31.23488	-13708.7
47229_7230	47229	7230	-75.7299	93.43294	-0.32681	29.862	-35.0319	12871.15
47230_7230	47230	7230	75.71025	-155.413	1.424063	20.86481	35.03194	-12869.7
47230_7231	47230	7231	-75.7103	199.878	-1.42406	-20.8648	-52.2913	10717.56
47231_7231	47231	7231	75.7155	-199.878	1.115625	-22.8309	52.29131	-10717.6
47231_7232	47231	7232	-75.7155	244.3875	-1.11563	22.83094	-65.8258	8023.654
47232_7232	47232	7232	75.71944	-312.403	0.589313	15.95344	65.82581	-8022.78
47232_7233	47232	7233	-75.7194	323.652	-0.58931	-15.9534	-67.6331	7048.116
47233_7233	47233	7233	78.50063	-322.988	0.469875	4.219688	67.6725	-7048.13
47233_7234	47233	7234	-78.6923	345.3135	-0.46988	-4.21969	-70.4734	5208.336
47234_7234	47234	7234	84.12075	-344.031	0.364875	-3.94275	70.35919	-5208.34
47234_7235	47234	7235	-84.8886	375.5824	-0.36487	3.94275	-73.4147	2079.948
47235_7235	47235	7235	90.57431	-374.252	0.2415	-8.37375	73.21519	-2079.94
47235_7236	47235	7236	-91.4222	395.7135	-0.2415	8.37375	-74.5789	-142.967
47236_7236	47236	7236	101.3604	-451.265	-1.80863	-8.14931	74.50406	137.5787
47236_7237	47236	7237	-104.193	499.947	1.808625	8.149313	-55.0856	-5295.42
47237_7237	47237	7237	103.3003	-521.412	-3.33638	5.796	191.856	8587.777
47237_7238	47237	7238	-106.971	567.0958	3.336375	-5.796	-160.087	-13820.6
47238_7238	47238	7238	122.4326	-605.723	7.624313	-33.1721	156.5629	13817.7
47238_7239	47238	7239	-127.155	652.3624	-7.62431	33.17213	-228.467	-19611.8
47239_7239	47239	7239	126.7521	-652.444	7.458938	20.18231	233.8416	19611.76
47239_7240	47239	7240	-132.153	706.1394	-7.45894	-20.1823	-311.933	-26721.9
47240_7240	47240	7240	-2851.33	377.0865	-83.9278	-6.68325	1650.108	6445.673
47240_7241	47240	7241	2851.329	-341.986	83.92781	6.68325	-1001.26	-3666.08
47241_7241	47241	7241	-2851.6	341.9863	-74.1641	5.870813	1001.256	3666.08
47241_7242	47241	7242	2851.599	-303.715	74.16413	-5.87081	-366.751	-903.931
47242_7242	47242	7242	-2851.75	303.7151	-68.2448	7.746375	366.7506	903.9161
47242_7243	47242	7243	2851.748	-267.008	68.24475	-7.74638	193.2551	1437.703
47243_7243	47243	7243	-2853.75	199.5879	-22.0631	4.14225	-193.255	-1437.71
47243_7244	47243	7244	2853.746	-154.256	22.06313	-4.14225	416.85	3230.651
47244_7244	47244	7244	-2853.79	154.2555	-15.2946	-3.52013	-416.85	-3230.65
47244_7245	47244	7245	2853.791	-111.787	15.29456	3.520125	562.0545	4493.528
47245_7245	47245	7245	-2853.32	53.91356	-17.0533	6.314438	-562.055	-4492.39
47245_7246	47245	7246	2853.323	-7.65975	17.05331	-6.31444	738.3941	4810.73
47246_7246	47246	7246	-2853.36	7.65975	-9.80831	-5.901	-738.394	-4810.73
47246_7247	47246	7247	2853.357	33.84413	9.808313	5.901	829.4003	4689.259
47247_7247	47247	7247	-2853.39	-99.7736	-3.37706	8.379	-829.4	-4688.42
47247_7248	47247	7248	2853.386	141.7789	3.377063	-8.379	861.1116	3554.289
47248_7248	47248	7248	-2853.38	-141.779	8.233313	-6.08475	-861.112	-3554.29
47248_7249	47248	7249	2853.375	187.5759	-8.23331	6.08475	776.8136	1868.327
47249_7249	47249	7249	-2853.85	-248.278	32.85188	-0.12469	-776.814	-1867.92
47249_7250	47249	7250	2853.851	292.9618	-32.8519	0.124688	448.6479	-835.349
47250_7250	47250	7250	-2853.75	-292.962	40.47619	2.107875	-448.648	835.3459
47250_7251	47250	7251	2853.754	336.0407	-40.4762	-2.10788	58.85906	-3863.99
47251_7251	47251	7251	-2852.19	-397.583	-15.8222	-66.9874	-58.8591	3862.136
47251_7252	47251	7252	2852.194	432.2561	15.82219	66.98738	181.5056	-7078.34
47252_7252	47252	7252	-2852.23	-432.256	-3.72356	-36.9613	-181.506	7078.558

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47252_7253	47252	7253	2852.234	475.3652	3.723563	36.96131	216.8631	-11501.3
47253_7253	47253	7253	80.19769	665.4638	-62.3503	131.7947	28.21744	31718.85
47253_7254	47253	7254	-75.5987	-627.97	62.35031	-131.795	427.4104	-26946.4
47254_7254	47254	7254	53.08931	552.5638	37.77506	-21.1208	-408.147	26941.73
47254_7255	47254	7255	-47.2159	-494.891	-37.7751	21.12075	-31.6706	-20991.2
47255_7255	47255	7255	35.61731	495.8612	37.78294	26.76188	27.36825	20991.2
47255_7256	47255	7256	-31.8596	-447.704	-37.7829	-26.7619	-407.711	-16306.5
47256_7256	47256	7256	20.40806	402.2406	-16.3052	-19.4552	410.3177	16305.51
47256_7257	47256	7257	-17.9169	-358.339	16.30519	19.45519	-257.037	-12746.5
47257_7257	47257	7257	11.15363	358.6131	-16.2999	2.270625	255.6199	12746.53
47257_7258	47257	7258	-10.0879	-330.518	16.29994	-2.27063	-139.126	-10185.5
47258_7258	47258	7258	5.69625	330.6227	-16.296	12.31781	138.8507	10185.53
47258_7259	47258	7259	-5.20538	-310.704	16.296	-12.3178	-55.7484	-8484.97
47259_7259	47259	7259	87.80756	302.4643	2.117063	21.5145	-12.2049	-5981.51
47259_7260	47259	7260	-87.4755	-271.197	-2.11706	-21.5145	-4.22888	7977.218
47260_7260	47260	7260	84.59325	272.1114	1.861125	-2.268	4.45725	-7998.68
47260_7261	47260	7261	-84.5933	-237.692	-1.86113	2.268	-20.6089	10211.23
47261_7261	47261	7261	84.59456	237.6924	1.765313	-13.8482	20.60888	-10211.2
47261_7262	47261	7262	-84.5946	-205.746	-1.76531	13.84819	-34.8285	11997.41
47262_7262	47262	7262	84.59981	127.4608	0.91875	15.55706	34.8285	-11997.6
47262_7263	47262	7263	-84.5998	-81.5351	-0.91875	-15.5571	-45.4703	13207.88
47263_7263	47263	7263	84.60113	81.53513	0.738938	-12.5816	45.47025	-13207.9
47263_7264	47263	7264	-84.6011	-36.0373	-0.73894	12.58163	-53.9451	13882.39
47264_7264	47264	7264	84.61688	-33.5304	1.596	24.28519	53.94506	-13883.3
47264_7265	47264	7265	-84.6169	79.97588	-1.596	-24.2852	-72.6456	13218.58
47265_7265	47265	7265	84.62213	-79.9759	1.288875	-23.8035	72.64556	-13218.6
47265_7266	47265	7266	-84.6221	124.9631	-1.28888	23.8035	-87.2668	12056.09
47266_7266	47266	7266	84.62081	-197.82	0.727125	13.97944	87.26681	-12057.2
47266_7267	47266	7267	-84.6208	243.3073	-0.72713	-13.9794	-95.6104	9527.129
47267_7267	47267	7267	84.62213	-243.307	0.471188	-14.8247	95.61038	-9527.13
47267_7268	47267	7268	-84.6221	289.2146	-0.47119	14.82469	-101.07	6444.634
47268_7268	47268	7268	84.80456	-369.357	7.884188	13.55813	101.0704	-6445.84
47268_7269	47268	7269	-84.8046	385.2004	-7.88419	-13.5581	-132.569	5185.42
47269_7269	47269	7269	89.71463	-384.091	7.676813	-2.163	132.5533	-5162.87
47269_7270	47269	7270	-90.2462	425.9325	-7.67681	2.163	-207.514	1010.294
47270_7270	47270	7270	99.582	-423.851	7.452375	-9.25575	207.3291	-1010.29
47270_7271	47270	7271	-101.118	468.1609	-7.45238	9.25575	-283.713	-3789.43
47271_7271	47271	7271	116.9385	-549.637	-16.5349	-25.4927	282.8529	3801.109
47271_7272	47271	7272	-120.536	610.5107	16.53488	25.49269	-79.7121	-11067.3
47272_7272	47272	7272	136.7966	-607.064	-16.8879	17.19769	82.85681	11067.27
47272_7273	47272	7273	-142.308	671.0996	16.88794	-17.1977	128.0843	-19099.4
47273_7273	47273	7273	159.7103	-693.042	30.09038	-53.8493	-135.513	19103.07
47273_7274	47273	7274	-162.831	722.5063	-30.0904	53.84925	-32.277	-23128.4
47274_7274	47274	7274	173.5086	-720.026	29.88825	-1.33481	37.884	23128.45
47274_7275	47274	7275	-178.79	763.7451	-29.8883	1.334813	-278.473	-28645.8
47275_7275	47275	7275	-2729.24	191.6434	34.78388	34.65919	796.9684	4176.656
47275_7276	47275	7276	2729.239	-165.284	-34.7839	-34.6592	-988.255	-3195.24
47276_7276	47276	7276	-4289.51	484.5606	-85.8913	-29.9093	1288.711	16371.9
47276_7277	47276	7277	4289.506	-465.23	85.89131	29.90925	-945.297	-14473.2
47277_7277	47277	7277	-4289.65	465.2301	-78.5623	-12.0763	945.2966	14849.6
47277_7278	47277	7278	4289.646	-419.471	78.56231	12.07631	-149.415	-10368.4
47278_7278	47278	7278	-4289.86	419.4711	-66.2288	17.7345	149.415	10368.34
47278_7279	47278	7279	4289.855	-377.818	66.22875	-17.7345	461.3228	-6692.2
47279_7279	47279	7279	-4289.39	288.0544	-26.0479	-8.91975	-461.323	6693.086
47279_7280	47279	7280	4289.394	-235.319	26.04788	8.91975	765.4329	-3637.9
47280_7280	47280	7280	-4289.47	235.3194	-8.12438	6.281625	-765.433	3637.91
47280_7281	47280	7281	4289.465	-180.293	8.124375	-6.28163	864.4046	-1106.39
47281_7281	47281	7281	-4289.67	108.7026	-3.21431	-0.68513	-864.405	1106.449
47281_7282	47281	7282	4289.674	-61.0772	3.214313	0.685125	904.2351	-54.3782

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47282_7282	47282	7282	-4289.66	61.07719	8.911875	-0.53156	-904.235	54.3795
47282_7283	47282	7283	4289.665	-17.0244	-8.91188	0.531563	802.0714	393.2775
47283_7283	47283	7283	-4290.32	-91.8776	-8.80688	-2.47538	-802.071	-393.506
47283_7284	47283	7284	4290.318	133.0193	8.806875	2.475375	896.364	-810.381
47284_7284	47284	7284	-4290.32	-133.019	8.627063	0.817688	-896.364	810.3848
47284_7285	47284	7285	4290.318	170.3546	-8.62706	-0.81769	812.5425	-2284.11
47285_7285	47285	7285	-4290.74	-254.59	128.3861	-14.9166	-812.543	2283.934
47285_7286	47285	7286	4290.741	285.9872	-128.386	14.91656	-236.404	-4492.25
47286_7286	47286	7286	-4290.52	-285.987	135.7204	-7.23713	236.4036	4492.264
47286_7287	47286	7287	4290.515	314.2178	-135.72	7.237125	-1233.48	-6696.98
47287_7287	47287	7287	-4290.2	-314.218	145.2675	-5.082	1233.482	6320.513
47287_7288	47287	7288	4290.203	347.5592	-145.268	5.082	-2397.57	-9061.78
47288_7288	47288	7288	141.5741	1126.721	-26.9889	-38.0481	430.6352	44793.55
47288_7289	47288	7289	-135.764	-1066.19	26.98894	38.04806	-87.4952	-31021.4
47289_7289	47289	7289	118.9453	1068.191	-27.0992	61.24388	78.81694	31021.36
47289_7290	47289	7290	-114.911	-1017.87	27.09919	-61.2439	220.4711	-19273.5
47290_7290	47290	7290	86.23256	927.1185	7.05075	-15.5479	-214.335	19276.8
47290_7291	47290	7291	-84.3911	-894.425	-7.05075	15.54788	162.3287	-12546.2
47291_7291	47291	7291	66.2025	895.9558	7.01925	-1.33088	-163.003	12546.2
47291_7292	47291	7292	-64.8362	-857.954	-7.01925	1.330875	101.8448	-4767.95
47292_7292	47292	7292	49.37756	858.984	6.8775	20.28469	-102.207	4764.368
47292_7293	47292	7293	-49.0875	-842.844	-6.8775	-20.2847	72.83588	-975.552
47293_7293	47293	7293	37.36688	775.0628	-1.55269	12.05006	-72.5169	975.7701
47293_7294	47293	7294	-37.2422	-748.149	1.552688	-12.0501	83.59969	4895.6
47294_7294	47294	7294	33.789	748.3127	-1.61438	4.066125	-83.5433	-4895.62
47294_7295	47294	7295	-33.789	-715.928	1.614375	-4.06613	97.42556	10826.19
47295_7295	47295	7295	33.78506	715.9281	-1.69181	-20.7401	-97.4256	-10826.2
47295_7296	47295	7296	-33.7851	-685.17	1.691813	20.74013	109.3614	15766.75
47296_7296	47296	7296	4.27875	648.3501	3.148688	26.09644	-32.5723	-8833.25
47296_7297	47296	7297	-4.27875	-600.612	-3.14869	-26.0964	-2.01469	15694.21
47297_7297	47297	7297	4.286625	600.6118	3.136875	-15.2394	2.014688	-15694.2
47297_7298	47297	7298	-4.28663	-551.106	-3.13688	15.23944	-37.7541	22255.36
47298_7298	47298	7298	4.239375	457.1083	-0.03019	57.78281	37.75406	-22257.9
47298_7299	47298	7299	-4.23938	-408.321	0.030188	-57.7828	-37.4168	27116.48
47299_7299	47299	7299	4.239375	408.3214	-0.04594	-41.2125	37.41675	-27116.5
47299_7300	47299	7300	-4.23938	-353.551	0.045938	41.2125	-36.8419	31918.3
47300_7300	47300	7300	4.228875	265.8416	-0.66413	59.808	36.84188	-31921.9
47300_7301	47300	7301	-4.22888	-212.897	0.664125	-59.808	-28.7516	34838.71
47301_7301	47301	7301	4.22625	212.8967	-0.67725	-53.2901	28.75163	-34838.7
47301_7302	47301	7302	-4.22625	-162.28	0.67725	53.29013	-20.8569	37023.94
47302_7302	47302	7302	4.235438	73.37531	-0.03806	68.27363	20.85694	-37027.6
47302_7303	47302	7303	-4.23544	-17.8382	0.038063	-68.2736	-20.3713	37610.53
47303_7303	47303	7303	4.235438	17.83819	-0.05381	-72.0628	20.37131	-37610.5
47303_7304	47303	7304	-4.23544	30.17569	0.053813	72.06281	-19.7768	37542.36
47304_7304	47304	7304	4.232813	-121.089	-0.19688	66.72356	19.77675	-37546.6
47304_7305	47304	7305	-4.23281	171.2944	0.196875	-66.7236	-17.5061	35857.39
47305_7305	47305	7305	4.2315	-171.294	-0.21131	-60.6139	17.50613	-35857.4
47305_7306	47305	7306	-4.2315	224.6003	0.211313	60.61388	-14.91	33428.96
47306_7306	47306	7306	4.248563	-321.817	0.85575	57.7185	14.91	-33432.2
47306_7307	47306	7307	-4.24856	373.4601	-0.85575	-57.7185	-25.074	29300.37
47307_7307	47307	7307	4.251188	-373.46	0.838688	-59.5219	25.074	-29300.4
47307_7308	47307	7308	-4.25119	425.3379	-0.83869	59.52188	-35.0818	24531.75
47308_7308	47308	7308	4.270875	-540.099	2.208938	34.27594	35.08181	-24533.7
47308_7309	47308	7309	-4.27088	592.2433	-2.20894	-34.2759	-61.5838	17739.24
47309_7309	47309	7309	4.280063	-592.243	2.190563	-40.5864	61.58381	-17739.2
47309_7310	47309	7310	-4.28006	643.5923	-2.19056	40.58644	-87.4676	10436.95
47310_7310	47310	7310	4.159313	-751.93	-6.53888	-3.61594	87.46763	-10437.6
47310_7311	47310	7311	-4.15931	810.0514	6.538875	3.615938	0	-9.20194

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1	2	3	4	5	6	7	8	9
7000_7000	7000	7000	82.09688	590.2838	3.930938	4.096313	0	-456.455
7000_7001	7000	7001	-70.5456	-550.073	-3.93094	-4.09631	-41.2978	6394.066
7001_7001	7001	7001	70.54556	550.0727	3.930938	4.125188	41.29781	-6394.07
7001_7002	7001	7002	-60.2136	-514.11	-3.93094	-4.12519	-78.2316	11346.39
7002_7002	7002	7002	60.16763	439.8161	-3.49781	10.94231	78.23156	-11346.4
7002_7003	7002	7003	-51.7611	-393.476	3.497813	-10.9423	-35.8798	16353.17
7003_7003	7003	7003	51.75581	393.4757	-3.49781	-3.61988	35.87981	-16353.2
7003_7004	7003	7004	-43.344	-347.104	3.497813	3.619875	6.507375	20801.84
7004_7004	7004	7004	43.36631	288.5203	-0.11156	22.77319	-6.50738	-20802
7004_7005	7004	7005	-35.6685	-242.19	0.111563	-22.7732	7.854	23979.45
7005_7005	7005	7005	35.6685	242.1904	-0.11156	-17.7542	-7.854	-23979.5
7005_7006	7005	7006	-27.9654	-195.834	0.111563	17.75419	9.209813	26597.52
7006_7006	7006	7006	27.96675	140.0319	1.278375	24.73144	-9.20981	-26597.7
7006_7007	7006	7007	-23.0672	-93.6797	-1.27838	-24.7314	-6.279	27991.26
7007_7007	7007	7007	23.06981	93.67969	1.278375	-22.5868	6.279	-27991.3
7007_7008	7007	7008	-18.1676	-47.2999	-1.27838	22.58681	-21.7691	28823.8
7008_7008	7008	7008	18.16238	-7.90256	-0.46725	23.71425	21.76913	-28824
7008_7009	7008	7009	-16.632	54.24038	0.46725	-23.7143	-16.1057	28441.72
7009_7009	7009	7009	16.63069	-54.2404	-0.46856	-24.2826	16.10569	-28441.7
7009_7010	7009	7010	-15.1003	100.6058	0.468563	24.28256	-10.4304	27497.71
7010_7010	7010	7010	15.1095	-154.476	0.910875	18.52988	10.43044	-27498
7010_7011	7010	7011	-16.7921	200.8374	-0.91088	-18.5299	-21.462	25354.8
7011_7011	7011	7011	16.79344	-200.837	0.909563	-21.5499	21.462	-25354.8
7011_7012	7011	7012	-18.4748	247.1884	-0.90956	21.54994	-32.4844	22650.62
7012_7012	7012	7012	18.47344	-302.33	0.711375	13.12238	32.48438	-22650.8
7012_7013	7012	7013	-23.4019	348.6774	-0.71138	-13.1224	-41.0957	18732.96
7013_7013	7013	7013	23.40188	-348.677	0.710063	-17.9366	41.09569	-18733
7013_7014	7013	7014	-28.3329	395.0533	-0.71006	17.93663	-49.7044	14250.95
7014_7014	7014	7014	28.33819	-451.913	0.30975	2.0265	49.70438	-14251.1
7014_7015	7014	7015	-33.9124	512.5457	-0.30975	-2.0265	-54.6026	6638.751
7015_7015	7015	7015	32.15231	-511.112	0.202125	-5.75138	53.17725	-6580.57
7015_7016	7015	7016	-37.2264	540.6306	-0.20213	5.756625	-54.8481	2250.819
7016_7016	7016	7016	82.089	-603.365	0.238875	-5.13319	60.4905	-2407.25
7016_7017	7016	7017	-94.7625	645.4967	-0.23888	5.145	-63.2953	-5177.61
7017_7017	7017	7017	113.4459	-642.653	0.23625	2.52	63.70613	5174.141
7017_7018	7017	7018	-126.144	693.6864	-0.23625	-2.50031	-66.8483	-13968.5
7018_7018	7018	7018	151.1501	-753.827	-0.89644	-27.6754	64.37025	13968.83
7018_7019	7018	7019	-162.414	804.4365	0.896438	27.61369	-53.1313	-23651.4
7019_7019	7019	7019	184.5113	-800.193	-0.89775	26.60175	58.87219	23652.49
7019_7020	7019	7020	-194.461	854.0556	0.89775	-26.67	-47.5755	-33770.8
7020_7020	7020	7020	-3138.26	281.2451	-28.9695	-4.116	657.9064	7344.44
7020_7021	7020	7021	3137.812	-246.371	28.9695	4.116	-382.721	-4836.75
7021_7021	7021	7021	-3138.44	246.3733	-27.2357	-1.2495	384.3788	4839.819
7021_7022	7021	7022	3138.069	-220.693	27.23569	1.2495	-173.364	-3029.04
7022_7022	7022	7022	-3138.1	220.6929	-23.1853	2.800875	173.3642	3029.044
7022_7023	7022	7023	3137.723	-195.017	23.18531	-2.80088	6.2475	-1417.45
7023_7023	7023	7023	-3137.76	131.6477	-8.64675	-0.966	-6.2475	1417.327
7023_7024	7023	7024	3137.076	-105.108	8.64675	0.966	75.48975	-466.774
7024_7024	7024	7024	-3137.08	105.1076	-5.15156	-0.31369	-75.4898	466.7749
7024_7025	7024	7025	3136.401	-78.6043	5.151563	0.313688	116.6852	270.3894
7025_7025	7025	7025	-3136.4	78.60431	-5.15156	-0.31369	-116.685	-270.389
7025_7026	7025	7026	3135.717	-52.101	5.151563	0.313688	157.8806	795.6204
7026_7026	7026	7026	-3135.72	-10.6759	-4.83656	-0.23756	-157.881	-795.749
7026_7027	7026	7027	3134.478	30.576	4.836563	0.237563	186.9197	676.8339
7027_7027	7027	7027	-3134.48	-30.576	-5.39831	-0.1365	-186.92	-676.834
7027_7028	7027	7028	3133.234	50.44463	5.398313	0.1365	219.2754	438.9236
7028_7028	7028	7028	-3133.24	-50.4446	0.392438	-0.75469	-219.275	-438.924
7028_7029	7028	7029	3131.994	70.34081	-0.39244	0.754688	216.9221	81.30413

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7029_7029	7029	7029	-3131.99	-70.3408	0.392438	-0.75469	-216.922	-81.3041
7029_7030	7029	7030	3130.75	90.23831	-0.39244	0.754688	214.5675	-395.762
7030_7030	7030	7030	-3130.75	-152.528	2.096063	-1.93463	-214.568	395.7424
7030_7031	7030	7031	3128.127	179.0211	-2.09606	1.934625	197.8174	-1710.36
7031_7031	7031	7031	-3128.13	-179.021	2.505563	-1.70363	-197.817	1710.362
7031_7032	7031	7032	3125.497	205.5467	-2.50556	1.703625	177.7676	-3238.78
7032_7032	7032	7032	-3125.49	-205.547	6.428625	2.392688	-177.768	3238.778
7032_7033	7032	7033	3122.861	232.0697	-6.42863	-2.39269	126.3229	-4979.25
7033_7033	7033	7033	-3122.8	-296.562	19.6665	0.095813	-126.323	4979.342
7033_7034	7033	7034	3119.793	322.2463	-19.6665	-0.09581	-26.0781	-7365.05
7034_7034	7034	7034	-3119.81	-322.246	15.6135	-9.38831	26.07806	7365.041
7034_7035	7034	7035	3116.807	347.9346	-15.6135	9.388313	-147.092	-9950.14
7035_7035	7035	7035	-3117.78	-347.952	21.57094	9.645563	145.7111	9955.021
7035_7036	7035	7036	3114.254	382.8195	-21.5709	-9.64556	-350.585	-13679.5
7036_7036	7036	7036	205.9838	714.4318	-0.06431	-14.2144	-27.4851	42366.21
7036_7037	7036	7037	-200.231	-660.517	0.064313	14.16581	28.29356	-33584.6
7037_7037	7037	7037	181.9939	664.7944	-0.084	12.69975	-30.9999	33583.49
7037_7038	7037	7038	-175.954	-614.148	0.084	-12.7431	32.05913	-25441.2
7038_7038	7038	7038	155.3528	562.2868	2.2575	-7.81856	-30.3765	25441.27
7038_7039	7038	7039	-149.091	-511.191	-2.2575	7.842188	0.4095	-18388.5
7039_7039	7039	7039	805.3238	505.3821	1.300688	7.663688	-0.05119	14680.21
7039_7040	7039	7040	-808.698	-463.428	-1.30069	-7.67681	-15.2473	-9035.3
7040_7040	7040	7040	798.2546	402.7498	0.063	2.867813	15.52294	9036.858
7040_7041	7040	7041	-773.006	-373.842	-0.063	-2.87044	-16.0374	-5974.84
7041_7041	7041	7041	876.9574	377.1731	-0.07088	-0.63	13.84819	5415.74
7041_7042	7041	7042	-782.779	-328.714	0.070875	0.63	-12.7641	-89.0243
7042_7042	7042	7042	782.7855	269.1518	-0.11944	7.225313	12.76406	89.04788
7042_7043	7042	7043	-715.1	-231.77	0.119438	-7.22531	-11.3492	2585.962
7043_7043	7043	7043	715.0986	231.7704	-0.18769	-6.60319	11.34919	-2585.96
7043_7044	7043	7044	-647.422	-194.394	0.187688	6.603188	-9.11269	4815.825
7044_7044	7044	7044	647.4274	141.1108	-0.05119	4.14225	9.112688	-4815.84
7044_7045	7044	7045	-583.032	-103.706	0.051188	-4.14225	-8.49581	5980.75
7045_7045	7045	7045	583.0322	103.7059	-0.08269	-3.75638	8.495813	-5980.75
7045_7046	7045	7046	-518.696	-66.3364	0.082688	3.756375	-7.50488	6699.827
7046_7046	7046	7046	518.6921	12.82969	0.1995	7.9485	7.504875	-6699.84
7046_7047	7046	7047	-458.412	24.56606	-0.1995	-7.9485	-9.88444	6353.881
7047_7047	7047	7047	458.4116	-24.5661	0.13125	-7.91569	9.884438	-6353.88
7047_7048	7047	7048	-398.139	61.95656	-0.13125	7.915688	-11.4411	5562.89
7048_7048	7048	7048	398.1364	-116.078	-0.09581	2.22075	11.44106	-5562.91
7048_7049	7048	7049	-341.759	153.4641	0.095813	-2.22075	-10.3018	3698.419
7049_7049	7049	7049	341.7593	-153.464	-0.12994	-2.478	10.30181	-3698.42
7049_7050	7049	7050	-285.385	190.8493	0.129938	2.478	-8.75175	1389.12
7050_7050	7050	7050	285.3848	-245.452	0.542063	-1.40963	8.75175	-1389.12
7050_7051	7050	7051	-214.487	293.895	-0.54206	1.409625	-17.1189	-3501.63
7051_7051	7051	7051	213.3298	-291.683	0.489563	2.8455	17.26988	3527.834
7051_7052	7051	7052	-177.621	318.4466	-0.48956	-2.84288	-21.3111	-6154.37
7052_7052	7052	7052	186.7202	-377.293	-0.50006	-9.60488	20.97375	6155.253
7052_7053	7052	7053	-144.782	415.9733	0.500063	9.615375	-15.0964	-11017.2
7053_7053	7053	7053	135.6443	-412.625	-0.32419	15.19744	27.0165	11133.62
7053_7054	7053	7054	-113.487	462.1496	0.324188	-15.1817	-22.7168	-17285.1
7054_7054	7054	7054	131.9312	-515.975	-1.32169	-19.8594	20.04319	17287.77
7054_7055	7054	7055	-126.21	564.8173	1.321688	19.82794	-3.47025	-23917
7055_7055	7055	7055	142.0033	-559.615	-1.38731	20.92913	7.735875	23920.95
7055_7056	7055	7056	-146.953	611.3192	1.387313	-20.9633	9.70725	-31130.5
7056_7056	7056	7056	-2604.39	354.1099	-21.4436	-6.89588	395.3828	9788.078
7056_7057	7056	7057	2615.646	-320.291	21.44363	6.895875	-191.531	-6634.08
7057_7057	7057	7057	-2617.64	320.2894	-18.2608	1.760063	193.0123	6593.81
7057_7058	7057	7058	2626.882	-293.32	18.26081	-1.76006	-51.4723	-4257.98
7058_7058	7058	7058	-2626.9	293.3201	-14.5963	8.16375	51.47231	4257.974

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7058_7059	7058	7059	2636.139	-266.354	14.59631	-8.16375	61.65731	-2131.38
7059_7059	7059	7059	-2636.13	205.4168	-8.44594	-1.00013	-61.6573	2131.467
7059_7060	7059	7060	2645.174	-177.611	8.445938	1.000125	129.1513	-642.6
7060_7060	7060	7060	-2645.18	177.6114	-4.63838	1.094625	-129.151	642.5974
7060_7061	7060	7061	2654.239	-149.775	4.638375	-1.09463	166.257	625.4207
7061_7061	7061	7061	-2654.24	149.7746	-1.08806	1.594688	-166.257	-625.423
7061_7062	7061	7062	2663.296	-121.94	1.088063	-1.59469	174.9589	1670.655
7062_7062	7062	7062	-2663.3	62.72044	-3.71044	1.488375	-174.959	-1670.84
7062_7063	7062	7063	2669.44	-41.8268	3.710438	-1.48838	197.2412	1956.109
7063_7063	7063	7063	-2669.44	41.82675	1.019813	0.237563	-197.241	-1956.11
7063_7064	7063	7064	2675.582	-20.937	-1.01981	-0.23756	191.1158	2115.915
7064_7064	7064	7064	-2675.58	20.937	0.695625	0.333375	-191.116	-2115.92
7064_7065	7064	7065	2681.713	-0.08006	-0.69563	-0.33338	186.9459	2150.337
7065_7065	7065	7065	-2681.71	0.080063	1.019813	0.2415	-186.946	-2150.34
7065_7066	7065	7066	2687.854	20.80969	-1.01981	-0.2415	180.8218	2059.491
7066_7066	7066	7066	-2687.85	-80.4405	5.676563	0.570938	-180.822	-2059.39
7066_7067	7066	7067	2695.04	108.2681	-5.67656	-0.57094	135.4238	1270.675
7067_7067	7067	7067	-2695.04	-108.268	5.676563	0.570938	-135.424	-1270.67
7067_7068	7067	7068	2702.228	136.0944	-5.67656	-0.57094	90.02569	259.413
7068_7068	7068	7068	-2702.23	-136.094	5.9115	0.6825	-90.0257	-259.414
7068_7069	7068	7069	2709.425	163.9562	-5.9115	-0.6825	42.68381	-976.076
7069_7069	7069	7069	-2709.38	-223.88	16.90763	-3.82725	-42.6838	976.2638
7069_7070	7069	7070	2716.196	250.8319	-16.9076	3.82725	-88.2853	-2847.47
7070_7070	7070	7070	-2716.18	-250.832	20.57606	2.143313	88.28531	2847.466
7070_7071	7070	7071	2722.994	277.7814	-20.5761	-2.14331	-247.657	-4927.27
7071_7071	7071	7071	-2719.28	-277.78	20.80181	3.177563	248.8933	4961.039
7071_7072	7071	7072	2727.43	311.5718	-20.8018	-3.17756	-446.49	-7799.29
7072_7072	7072	7072	93.85425	657.4733	1.099875	-8.72681	-4.34438	28686.19
7072_7073	7072	7073	-53.6839	-606.207	-1.09988	8.682188	-9.49069	-20833.8
7073_7073	7073	7073	36.84844	611.4189	1.069688	10.85044	7.432688	20831.31
7073_7074	7073	7074	4.81425	-563.123	-1.06969	-10.8911	-20.8517	-13548.3
7074_7074	7074	7074	-24.0568	512.7623	0.0735	0.434438	21.77306	13547.09
7074_7075	7074	7075	59.76075	-463.799	-0.0735	-0.40031	-22.7483	-7118.75
7075_7075	7075	7075	572.3576	459.3133	0.317625	1.32825	15.11213	3650.752
7075_7076	7075	7076	-571.421	-421.977	-0.31763	-1.30856	-18.8396	1448.272
7076_7076	7076	7076	561.8379	365.4788	0.069563	6.256688	18.80025	-1447.46
7076_7077	7076	7077	-546.665	-339.647	-0.06956	-6.25931	-19.3751	4271.813
7077_7077	7077	7077	504.2966	343.0245	0.061688	-4.03725	21.52894	-4229.47
7077_7078	7077	7078	-464.448	-296.621	-0.06169	4.03725	-22.3952	8514.618
7078_7078	7078	7078	464.4426	246.1817	-0.56569	6.964125	22.39519	-8514.66
7078_7079	7078	7079	-434.85	-209.024	0.565688	-6.96413	-16.0584	10924.03
7079_7079	7079	7079	434.8483	209.0235	-0.5985	-4.914	16.05844	-10924
7079_7080	7079	7080	-405.283	-171.898	0.5985	4.914	-9.366	12915.67
7080_7080	7080	7080	405.2869	124.2859	0.128625	8.314688	9.366	-12915.8
7080_7081	7080	7081	-378.618	-87.1658	-0.12863	-8.31469	-10.8019	13971.77
7081_7081	7081	7081	378.6182	87.16575	0.091875	-7.14525	10.80188	-13971.8
7081_7082	7081	7082	-351.926	-50.0128	-0.09188	7.14525	-11.8361	14612.94
7082_7082	7082	7082	351.9285	-0.19819	-0.12469	6.886688	11.83613	-14613.1
7082_7083	7082	7083	-326.949	40.10606	0.124688	-6.88669	-10.3373	14250.58
7083_7083	7083	7083	326.949	-40.1061	-0.15619	-6.50213	10.33725	-14250.6
7083_7084	7083	7084	-301.971	80.01263	0.156188	6.502125	-8.45644	13408.26
7084_7084	7084	7084	301.9721	-129.8	-0.11419	5.230313	8.456438	-13408.4
7084_7085	7084	7085	-282.153	166.9448	0.114188	-5.23031	-7.17413	11650.61
7085_7085	7085	7085	282.1534	-166.945	-0.147	-5.77238	7.174125	-11650.6
7085_7086	7085	7086	-262.352	204.0557	0.147	5.772375	-5.52825	9479.34
7086_7086	7086	7086	262.3478	-252.537	0.035438	5.756625	5.52825	-9479.35
7086_7087	7086	7087	-245.764	289.6793	-0.03544	-5.75663	-5.91806	6362.051
7087_7087	7087	7087	245.763	-289.679	-0.03413	-6.94706	5.918063	-6362.05
7087_7088	7087	7088	-229.181	326.8191	0.034125	6.947063	-5.54269	2829.363

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7088_7088	7088	7088	229.1835	-374.887	0.186375	-2.65519	5.542688	-2829.37
7088_7089	7088	7089	-210.98	419.5328	-0.18638	2.655188	-8.05481	-2607.01
7089_7089	7089	7089	214.8786	-417.279	0.107625	1.823063	7.914375	2673.174
7089_7090	7089	7090	-203.587	444.5884	-0.10763	-1.82175	-8.79769	-6471.29
7090_7090	7090	7090	214.9849	-496.64	-0.46856	-11.6983	8.397375	6471.895
7090_7091	7090	7091	-203.297	535.9791	0.468563	11.7075	-2.89144	-12670.5
7091_7091	7091	7091	200.3151	-531.122	-0.27169	8.780625	10.16663	12771.16
7091_7092	7091	7092	-195.114	579.7418	0.271688	-8.77406	-6.56644	-20146.4
7092_7092	7092	7092	216.5376	-631.355	-1.20356	-23.4898	3.948	20148.44
7092_7093	7092	7093	-217.644	679.4261	1.203563	23.43994	11.14706	-28488.5
7093_7093	7093	7093	236.4259	-672.893	-1.26656	23.60269	-6.31838	28492.07
7093_7094	7093	7094	-241.571	723.9002	1.266563	-23.6578	22.25344	-37391
7094_7094	7094	7094	-2918.14	316.3151	-14.469	-6.99956	208.7046	10643.58
7094_7095	7094	7095	2924.125	-283.083	14.469	6.999563	-71.1651	-7715.78
7095_7095	7095	7095	-2926.5	283.0971	-11.571	0.359625	69.55725	7727.331
7095_7096	7095	7096	2931.151	-256.799	11.571	-0.35963	20.05369	-5657.27
7096_7096	7096	7096	-2931.16	256.7985	-7.44581	8.574563	-20.0537	5657.266
7096_7097	7096	7097	2935.813	-230.468	7.445813	-8.57456	77.78925	-3788.68
7097_7097	7097	7097	-2935.82	172.6436	-0.63263	-3.77738	-77.7893	3788.664
7097_7098	7097	7098	2940.259	-145.497	0.632625	3.777375	82.84894	-2536.8
7098_7098	7098	7098	-2940.26	145.4972	3.36	0.305813	-82.8489	2536.8
7098_7099	7098	7099	2944.703	-118.318	-3.36	-0.30581	55.95844	-1500.84
7099_7099	7099	7099	-2944.7	118.3179	7.221375	3.038438	-55.9584	1500.833
7099_7100	7099	7100	2949.142	-91.14	-7.22138	-3.03844	-1.84275	-682.445
7100_7100	7100	7100	-2949.17	33.97669	-0.66675	-0.15356	1.84275	682.5879
7100_7101	7100	7101	2951.885	-13.6264	0.66675	0.153563	2.1525	-552.366
7101_7101	7101	7101	-2951.88	13.62638	4.64625	2.155125	-2.1525	552.363
7101_7102	7101	7102	2954.602	6.75675	-4.64625	-2.15513	-25.7394	-544.184
7102_7102	7102	7102	-2954.6	-6.75675	-5.65294	-2.43338	25.73944	544.1848
7102_7103	7102	7103	2957.321	27.14119	5.652938	2.433375	8.196563	-658.374
7103_7103	7103	7103	-2957.33	-27.1412	-0.66675	0.039375	-8.19656	658.3749
7103_7104	7103	7104	2960.042	47.49019	0.66675	-0.03938	12.19181	-894.429
7104_7104	7104	7104	-2960.04	-104.971	-5.97713	-2.34938	-12.1918	894.3073
7104_7105	7104	7105	2962.781	132.1491	5.977125	2.349375	60.03113	-1856.28
7105_7105	7105	7105	-2962.79	-132.149	-2.11444	1.177313	-60.0311	1856.282
7105_7106	7105	7106	2965.526	159.3257	2.114438	-1.17731	76.9545	-3035.74
7106_7106	7106	7106	-2965.53	-159.326	-2.22994	1.025063	-76.9545	3035.738
7106_7107	7106	7107	2968.263	186.4695	2.229938	-1.02506	94.78481	-4430.82
7107_7107	7107	7107	-2968.24	-243.719	9.594375	-3.84563	-94.7848	4430.894
7107_7108	7107	7108	2970.604	270.0456	-9.59438	3.845625	20.39494	-6434.04
7108_7108	7108	7108	-2970.6	-270.046	9.594375	-3.84563	-20.3949	6434.042
7108_7109	7108	7109	2972.965	296.3717	-9.59438	3.845625	-53.9949	-8641.3
7109_7109	7109	7109	-2973.54	-296.374	12.705	5.840625	54.07894	8644.184
7109_7110	7109	7110	2976.56	329.5635	-12.705	-5.84063	-174.69	-11746.4
7110_7110	7110	7110	226.6674	703.7664	0.51975	-26.0413	-7.62563	38773.68
7110_7111	7110	7111	-205.111	-652.939	-0.51975	25.99144	1.090688	-30210.8
7111_7111	7111	7111	186.9919	659.7623	0.431813	25.57406	-6.41681	30208.2
7111_7112	7111	7112	-163.692	-611.919	-0.43181	-25.62	1.008	-22428.9
7112_7112	7112	7112	143.2988	565.7295	0.353063	-3.74325	1.505438	22427.98
7112_7113	7112	7113	-121.475	-517.364	-0.35306	3.759	-6.1845	-15295.4
7113_7113	7113	7113	671.3228	515.9976	0.354375	5.893125	13.14206	12171.71
7113_7114	7113	7114	-670.312	-476.901	-0.35438	-5.88525	-17.3119	-6382.05
7114_7114	7114	7114	659.5746	422.3507	-0.07613	1.904438	17.45494	6383.315
7114_7115	7114	7115	-639.719	-395.324	0.076125	-1.90706	-16.8302	-3095.73
7115_7115	7115	7115	709.5244	398.7559	-0.12338	0.244125	16.54931	2473.317
7115_7116	7115	7116	-646.066	-355.577	0.123375	-0.24413	-14.8339	2727.203
7116_7116	7116	7116	646.0676	304.2349	-0.35044	5.007188	14.83388	-2727.2
7116_7117	7116	7117	-598.787	-269.649	0.350438	-5.00719	-10.9056	5718.661
7117_7117	7117	7117	598.7874	269.6492	-0.39769	-4.00838	10.90556	-5718.66

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7117_7118	7117	7118	-551.551	-235.096	0.397688	4.008375	-6.4575	8320.847
7118_7118	7118	7118	551.544	189.1956	-0.23625	0.307125	6.4575	-8320.79
7118_7119	7118	7119	-507.531	-154.611	0.23625	-0.30713	-3.81806	10038.57
7119_7119	7119	7119	507.5306	154.6112	-0.23625	0.307125	3.818063	-10038.6
7119_7120	7119	7120	-463.517	-120.028	0.23625	-0.30713	-1.17863	11369.32
7120_7120	7120	7120	463.5264	70.18725	-0.08006	12.033	1.178625	-11369.4
7120_7121	7120	7121	-420.379	-33.0396	0.080063	-12.033	-0.21263	11786.23
7121_7121	7121	7121	420.3793	33.03956	-0.16931	-11.9766	0.212625	-11786.2
7121_7122	7121	7122	-377.234	4.108125	0.169313	11.97656	1.819125	11756.51
7122_7122	7122	7122	377.2322	-53.4778	-0.19688	5.382563	-1.81913	-11756.5
7122_7123	7122	7123	-341.19	88.05825	0.196875	-5.38256	4.020188	10792.73
7123_7123	7123	7123	341.1896	-88.0583	-0.24413	-5.81569	-4.02019	-10792.7
7123_7124	7123	7124	-305.146	122.64	0.244125	5.815688	6.755438	9441.966
7124_7124	7124	7124	305.1458	-171.208	0.001313	6.844688	-6.75544	-9441.97
7124_7125	7124	7125	-273.24	205.7882	-0.00131	-6.84469	6.742313	7178.559
7125_7125	7125	7125	273.2402	-205.788	-0.0945	-7.62169	-6.74231	-7178.56
7125_7126	7125	7126	-241.335	240.3686	0.0945	7.621688	7.794938	4528.217
7126_7126	7126	7126	241.3438	-288.845	0.023625	-0.26906	-7.79494	-4528.22
7126_7127	7126	7127	-205.837	330.6253	-0.02363	0.269063	7.474688	177.0171
7127_7127	7127	7127	210.8741	-328.166	-0.06038	-0.58669	-7.70831	-119.998
7127_7128	7127	7128	-188.552	353.0179	0.060375	0.589313	8.207063	-2971.94
7128_7128	7128	7128	198.2059	-409.104	-0.75206	-6.68588	-8.42231	2972.79
7128_7129	7128	7129	-176.492	444.9388	0.752063	6.68325	17.26856	-8429.24
7129_7129	7129	7129	176.4643	-438.869	-1.77713	11.50931	-23.8718	8503.178
7129_7130	7129	7130	-170.683	485.8678	1.777125	-11.4752	47.47181	-14675.8
7130_7130	7130	7130	189.1247	-532.424	2.733938	-8.03906	-48.9969	14678.74
7130_7131	7130	7131	-193.695	578.8991	-2.73394	7.949813	14.68556	-21921.5
7131_7131	7131	7131	214.4349	-569.41	2.694563	8.522063	-12.9544	21927.13
7131_7132	7131	7132	-225.473	615.5363	-2.69456	-8.61919	-18.7727	-29150.1
7132_7132	7132	7132	-2550.47	284.6589	18.70575	8.192625	-231.885	7767.357
7132_7133	7132	7133	2554.512	-249.769	-18.7058	-8.19263	38.84738	-4802.81
7133_7133	7133	7133	-2563.68	249.7648	15.07538	0.900375	-38.0481	4847.438
7133_7134	7133	7134	2567.182	-225.81	-15.0754	-0.90038	-78.7881	-3021.34
7134_7134	7134	7134	-2567.23	225.8104	7.935375	-8.80819	78.78806	3021.323
7134_7135	7134	7135	2570.729	-201.826	-7.93538	8.808188	-140.365	-1378.86
7135_7135	7135	7135	-2570.7	151.4048	-4.07925	-1.0395	140.3653	1378.969
7135_7136	7135	7136	2575.116	-126.709	4.07925	1.0395	-107.773	-288.291
7136_7136	7136	7136	-2575.12	126.7088	-0.59194	0.4305	107.7733	288.2906
7136_7137	7136	7137	2579.539	-101.983	0.591938	-0.4305	-103.037	606.0508
7137_7137	7137	7137	-2579.54	101.9826	-0.59194	0.4305	103.0365	-606.051
7137_7138	7137	7138	2583.958	-77.2551	0.591938	-0.4305	-98.2997	1302.574
7138_7138	7138	7138	-2583.95	25.95994	-5.95219	0.290063	98.29969	-1302.65
7138_7139	7138	7139	2586.473	-7.41431	5.952188	-0.29006	-62.5866	1390.533
7139_7139	7139	7139	-2586.48	7.414313	-1.33219	-0.24675	62.58656	-1390.53
7139_7140	7139	7140	2589.001	11.13131	1.332188	0.24675	-54.5961	1367.149
7140_7140	7140	7140	-2589	-11.1313	-1.33219	-0.24675	54.59606	-1367.15
7140_7141	7140	7141	2591.523	29.67563	1.332188	0.24675	-46.6056	1232.489
7141_7141	7141	7141	-2591.52	-29.6756	-1.33219	-0.24675	46.60556	-1232.49
7141_7142	7141	7142	2594.046	48.22125	1.332188	0.24675	-38.6151	986.5577
7142_7142	7142	7142	-2594.04	-102.148	-5.6175	-1.15894	38.61506	-986.642
7142_7143	7142	7143	2596.267	126.8754	5.6175	1.158938	6.324938	58.72519
7143_7143	7143	7143	-2596.27	-126.875	-2.1525	0.358313	-6.32494	-58.7252
7143_7144	7143	7144	2598.495	151.6029	2.1525	-0.35831	23.54231	-1067
7144_7144	7144	7144	-2598.5	-151.603	-2.1525	0.358313	-23.5423	1067.003
7144_7145	7144	7145	2600.72	176.3291	2.1525	-0.35831	40.75969	-2390.55
7145_7145	7145	7145	-2600.73	-233.566	0.917438	2.118375	-40.7597	2390.459
7145_7146	7145	7146	2602.649	257.5204	-0.91744	-2.11838	33.65381	-4304.12
7146_7146	7146	7146	-2602.65	-257.52	-2.66044	-5.29988	-33.6538	4304.123
7146_7147	7146	7147	2604.571	281.4748	2.660438	5.299875	54.26925	-6403.45

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7147_7147	7147	7147	-2588.67	-281.479	0.627375	4.035938	-54.285	6325.844
7147_7148	7147	7148	2590.59	313.5969	-0.62738	-4.03594	48.32756	-9163.42
7148_7148	7148	7148	225.8156	606.1427	-0.35569	-11.3649	-15.9167	30907.19
7148_7149	7148	7149	-197.831	-556.963	0.355688	11.32425	20.39494	-23642.7
7149_7149	7149	7149	182.2734	565.0037	-0.42	10.77431	-22.6511	23639.6
7149_7150	7149	7150	-153.343	-518.789	0.42	-10.8124	27.92475	-16891.2
7150_7150	7150	7150	135.2571	470.0364	2.298188	-1.20881	-26.8157	16889.33
7150_7151	7150	7151	-111.216	-423.289	-2.29819	1.236375	-3.69075	-10986.2
7151_7151	7151	7151	790.8429	420.6274	0.70875	1.025063	-9.56288	7269.057
7151_7152	7151	7152	-784.69	-383.696	-0.70875	-1.0395	1.2285	-2672.12
7152_7152	7152	7152	775.8988	324.2479	-0.315	-3.30225	-1.155	2672.9
7152_7153	7152	7153	-750.796	-298.758	0.315	3.308813	3.752438	-235.835
7153_7153	7153	7153	791.9651	303.2164	-0.19556	1.750875	-4.29188	18.96825
7153_7154	7153	7154	-720.95	-262.039	0.195563	-1.75088	6.986438	3560.058
7154_7154	7154	7154	720.9418	206.6649	0.097125	0.148313	-6.98644	-3560.04
7154_7155	7154	7155	-668.429	-173.723	-0.09713	-0.14831	5.920688	5424.431
7155_7155	7155	7155	668.4287	173.7225	0.097125	0.148313	-5.92069	-5424.43
7155_7156	7155	7156	-615.916	-140.78	-0.09713	-0.14831	4.854938	6926.45
7156_7156	7156	7156	615.9182	93.75844	0.035438	-5.31038	-4.85494	-6926.45
7156_7157	7156	7157	-570.584	-63.8111	-0.03544	5.310375	4.49925	7516.642
7157_7157	7157	7157	570.5844	63.81113	0.107625	5.415375	-4.49925	-7516.64
7157_7158	7157	7158	-525.251	-33.8625	-0.10763	-5.41538	3.423	7807.355
7158_7158	7158	7158	525.2428	-9.51431	0.091875	-4.935	-3.423	-7807.32
7158_7159	7158	7159	-483.007	39.49181	-0.09188	4.935	2.508188	7376.765
7159_7159	7159	7159	483.0066	-39.4918	0.164063	4.822125	-2.50819	-7376.76
7159_7160	7159	7160	-440.811	69.43913	-0.16406	-4.82213	0.8715	6647.004
7160_7160	7160	7160	440.811	-118.18	0.139125	-3.08438	-0.8715	-6646.98
7160_7161	7160	7161	-398.017	151.1226	-0.13913	3.084375	-0.65494	4976.791
7161_7161	7161	7161	398.0169	-151.123	0.20475	2.7615	0.654938	-4976.79
7161_7162	7161	7162	-355.223	184.065	-0.20475	-2.7615	-2.90194	2944.22
7162_7162	7162	7162	355.2216	-237.09	0.353063	-0.31631	2.901938	-2944.24
7162_7163	7162	7163	-304.614	278.2671	-0.35306	0.316313	-7.76213	-832.439
7163_7163	7163	7163	309.8169	-274.799	0.284813	0.034125	7.788375	823.3815
7163_7164	7163	7164	-280.431	300.3446	-0.28481	-0.03413	-10.1417	-3355.14
7164_7164	7164	7164	289.128	-359.159	0.080063	-2.50163	10.06425	3356.13
7164_7165	7164	7165	-255.993	396.0154	-0.08006	2.513438	-11.0066	-8014.85
7165_7165	7165	7165	243.4464	-387.886	0.273	3.098813	14.36794	8146.447
7165_7166	7165	7166	-224.109	435.4416	-0.273	-3.087	-17.9944	-13830.3
7166_7166	7166	7166	242.6471	-495.937	-0.06169	-8.40263	17.09006	13833.05
7166_7167	7166	7167	-239.848	542.9064	0.061688	8.372438	-16.3223	-20544.9
7167_7167	7167	7167	255.0174	-533.447	-0.12338	9.127125	18.19125	20549.5
7167_7168	7167	7168	-262.218	583.2684	0.123375	-9.15994	-16.6464	-27480.4
7168_7168	7168	7168	-2432.35	322.1571	-2.13544	-4.50319	10.32806	7909.552
7168_7169	7168	7169	2441.117	-289.601	2.135438	4.503188	9.961875	-5041.45
7169_7169	7169	7169	-2449.38	289.5808	0.889875	1.9635	-8.61394	5081.812
7169_7170	7169	7170	2457.064	-264.965	-0.88988	-1.9635	1.722	-2966.19
7170_7170	7170	7170	-2457.06	264.9649	0.889875	1.9635	-1.722	2966.194
7170_7171	7170	7171	2464.746	-240.35	-0.88988	-1.9635	-5.16994	-1041.34
7171_7171	7171	7171	-2464.72	178.2296	1.026375	0.723188	5.169938	1041.205
7171_7172	7171	7172	2472.295	-152.821	-1.02638	-0.72319	-13.3796	250.0929
7172_7172	7172	7172	-2472.29	152.8209	-2.36775	-0.03938	13.37963	-250.093
7172_7173	7172	7173	2479.868	-127.411	2.36775	0.039375	5.561063	1338.123
7173_7173	7173	7173	-2479.87	127.4109	1.026375	-0.53944	-5.56106	-1338.12
7173_7174	7173	7174	2487.442	-102.002	-1.02638	0.539438	-2.64731	2222.868
7174_7174	7174	7174	-2487.45	43.69969	1.1445	-0.55519	2.647313	-2222.97
7174_7175	7174	7175	2492.468	-24.6422	-1.1445	0.555188	-9.51825	2405.874
7175_7175	7175	7175	-2492.47	24.64219	-3.37969	1.670813	9.51825	-2405.87
7175_7176	7175	7176	2497.487	-5.586	3.379688	-1.67081	10.76119	2474.431
7176_7176	7176	7176	-2497.49	5.586	1.1445	-0.57619	-10.7612	-2474.43

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7176_7177	7176	7177	2502.51	13.4715	-1.1445	0.576188	3.891563	2428.647
7177_7177	7177	7177	-2502.51	-13.4715	1.1445	-0.57619	-3.89156	-2428.65
7177_7178	7177	7178	2507.531	32.52769	-1.1445	0.576188	-2.97806	2268.52
7178_7178	7178	7178	-2507.53	-91.5429	0.821625	-0.567	2.978063	-2268.63
7178_7179	7178	7179	2513.23	116.9516	-0.82163	0.567	-9.55106	1409.076
7179_7179	7179	7179	-2513.23	-116.952	-2.5725	-0.43838	9.551063	-1409.08
7179_7180	7179	7180	2518.926	142.3616	2.5725	0.438375	11.02631	346.2388
7180_7180	7180	7180	-2518.93	-142.362	0.821625	0.847875	-11.0263	-346.24
7180_7181	7180	7181	2524.624	167.7703	-0.82163	-0.84788	4.454625	-919.864
7181_7181	7181	7181	-2524.6	-229.369	1.17075	2.632875	-4.45463	919.7423
7181_7182	7181	7182	2530.07	253.9832	-1.17075	-2.63288	-4.61606	-2817.47
7182_7182	7182	7182	-2530.07	-253.983	1.17075	2.632875	4.616063	2817.47
7182_7183	7182	7183	2535.536	278.5991	-1.17075	-2.63288	-13.6868	-4905.97
7183_7183	7183	7183	-2519.39	-278.593	-2.00944	-4.90875	13.314	4827.22
7183_7184	7183	7184	2525.686	311.1504	2.009438	4.90875	5.773688	-7810.04
7184_7184	7184	7184	217.5692	597.7256	0.459375	9.65475	-20.7231	27660.13
7184_7185	7184	7185	-181.204	-548.286	-0.45938	-9.68888	14.952	-20537.6
7185_7185	7185	7185	165.7845	557.9175	0.522375	-8.90794	-12.9623	20533.93
7185_7186	7185	7186	-129.923	-511.405	-0.52238	8.87775	6.406313	-13786.4
7186_7186	7186	7186	111.6426	458.5324	-1.09725	-0.80456	-7.14131	13784.38
7186_7187	7186	7187	-84.126	-411.361	1.09725	0.805875	21.71006	-8077.96
7187_7187	7187	7187	742.7477	410.7246	0.213938	1.000125	-4.32994	4185.938
7187_7188	7187	7188	-739.001	-372.2	-0.21394	-0.97913	1.820438	674.2948
7188_7188	7188	7188	730.3577	308.7617	0.080063	-4.50188	-1.73644	-672.903
7188_7189	7188	7189	-710.055	-282.118	-0.08006	4.500563	1.072313	2950.257
7189_7189	7189	7189	733.8293	287.007	0.147	3.741938	-1.0185	-2945.56
7189_7190	7189	7190	-676.103	-242.045	-0.147	-3.74194	-1.00669	6336.961
7190_7190	7190	7190	676.1042	184.716	-0.12206	0.25725	1.006688	-6336.96
7190_7191	7190	7191	-632.469	-148.746	0.122063	-0.25725	0.336	7984.204
7191_7191	7191	7191	632.4688	148.7456	-0.12206	0.25725	-0.336	-7984.2
7191_7192	7191	7192	-588.832	-112.777	0.122063	-0.25725	1.68	9235.782
7192_7192	7192	7192	588.8334	61.5615	-0.02625	0.093188	-1.68	-9235.76
7192_7193	7192	7193	-551.825	-28.9275	0.02625	-0.09319	1.939875	9527.676
7193_7193	7193	7193	551.8249	28.9275	-0.02625	0.028875	-1.93988	-9527.68
7193_7194	7193	7194	-514.78	3.739313	0.02625	-0.02888	2.205	9493.702
7194_7194	7194	7194	514.7796	-50.19	0.1155	5.452125	-2.205	-9493.73
7194_7195	7194	7195	-480.417	82.8555	-0.1155	-5.45213	1.048688	8679.654
7195_7195	7195	7195	480.417	-82.8555	0.040688	-5.68181	-1.04869	-8679.65
7195_7196	7195	7196	-446.056	115.5223	-0.04069	5.681813	0.639188	7539.238
7196_7196	7196	7196	446.0505	-167.257	0.186375	-0.28744	-0.63919	-7539.21
7196_7197	7196	7197	-411.443	203.2275	-0.18638	0.287438	-1.4175	5349.41
7197_7197	7197	7197	411.4425	-203.228	0.186375	-0.28744	1.4175	-5349.41
7197_7198	7197	7198	-376.836	239.1966	-0.18638	0.287438	-3.47419	2763.939
7198_7198	7198	7198	376.8437	-293.64	-0.0525	-0.80588	3.474188	-2763.96
7198_7199	7198	7199	-335.415	338.5686	0.0525	0.805875	-2.75756	-1816.1
7199_7199	7199	7199	339.4427	-334.607	-0.126	0.565688	2.710313	1717.357
7199_7200	7199	7200	-314.223	362.4403	0.126	-0.56569	-1.67213	-4806.25
7200_7200	7200	7200	324.4461	-421.516	-0.56831	3.373125	1.77975	4807.554
7200_7201	7200	7201	-296.093	461.6653	0.568313	-3.36131	4.900875	-10322.5
7201_7201	7201	7201	293.2204	-451.896	-0.05906	-5.90888	-1.10381	10421.14
7201_7202	7201	7202	-282.348	505.1708	0.059063	5.91675	1.891313	-16930.3
7202_7202	7202	7202	302.8856	-563.102	-0.92138	10.09575	-0.61688	16934.41
7202_7203	7202	7203	-304.146	615.4483	0.921375	-10.1378	12.17344	-24338.6
7203_7203	7203	7203	321.2987	-604.573	-0.85969	-10.752	-14.4113	24344.65
7203_7204	7203	7204	-330.18	659.7714	0.859688	10.70475	25.23281	-32468.5
7204_7204	7204	7204	-2657.83	363.4641	-8.98144	2.996438	220.9896	10143.09
7204_7205	7204	7205	2664.232	-326.893	8.981438	-2.99644	-135.664	-6792.31
7205_7205	7205	7205	-2667.04	326.8821	-12.6578	-4.704	137.9044	6479.404
7205_7206	7205	7206	2672.662	-298.993	12.65775	4.704	-39.8094	-4078.86

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7206_7206	7206	7206	-2672.67	298.9928	-8.76356	1.686563	39.80944	4078.862
7206_7207	7206	7207	2678.288	-271.102	8.763563	-1.68656	28.10719	-1894.49
7207_7207	7207	7207	-2678.33	203.9874	-1.67475	0.224438	-28.1072	1894.484
7207_7208	7207	7208	2683.702	-175.198	1.67475	-0.22444	41.5065	-401.566
7208_7208	7208	7208	-2683.7	175.1978	-1.67475	0.224438	-41.5065	401.5659
7208_7209	7208	7209	2689.076	-146.408	1.67475	-0.22444	54.90581	861.0315
7209_7209	7209	7209	-2689.07	146.4081	-5.44688	-0.08269	-54.9058	-861.029
7209_7210	7209	7210	2694.447	-117.618	5.446875	0.082688	98.48344	1893.311
7210_7210	7210	7210	-2694.47	50.90794	0.408188	-0.27694	-98.4834	-1893.29
7210_7211	7210	7211	2697.915	-29.316	-0.40819	0.276938	96.03431	2118.395
7211_7211	7211	7211	-2697.91	29.316	0.408188	-0.27694	-96.0343	-2118.39
7211_7212	7211	7212	2701.356	-7.72406	-0.40819	0.276938	93.5865	2213.949
7212_7212	7212	7212	-2701.35	7.724063	-4.62131	1.25475	-93.5865	-2213.94
7212_7213	7212	7213	2704.795	13.86919	4.621313	-1.25475	121.3157	2179.942
7213_7213	7213	7213	-2704.8	-13.8692	0.408188	-0.12863	-121.316	-2179.95
7213_7214	7213	7214	2708.237	35.46113	-0.40819	0.128625	118.8666	2016.387
7214_7214	7214	7214	-2708.26	-103.555	3.247125	0.8715	-118.867	-2016.37
7214_7215	7214	7215	2711.93	132.3459	-3.24713	-0.8715	92.88956	1055.681
7215_7215	7215	7215	-2711.93	-132.346	3.247125	0.8715	-92.8896	-1055.68
7215_7216	7215	7216	2715.597	161.1356	-3.24713	-0.8715	66.91256	-135.332
7216_7216	7216	7216	-2715.6	-161.136	-0.525	-1.22325	-66.9126	135.3332
7216_7217	7216	7217	2719.266	189.9253	0.525	1.22325	71.11256	-1556.68
7217_7217	7217	7217	-2719.32	-257.679	8.789813	-24.7787	-71.1126	1556.424
7217_7218	7217	7218	2722.558	285.5698	-8.78981	24.77869	2.991188	-3676.89
7218_7218	7218	7218	-2722.56	-285.57	8.789813	-24.7787	-2.99119	3676.891
7218_7219	7218	7219	2725.799	313.4604	-8.78981	24.77869	-65.1302	-6013.51
7219_7219	7219	7219	-2715.22	-313.459	37.06763	52.07869	65.21813	6296.028
7219_7220	7219	7220	2718.968	350.0306	-37.0676	-52.0787	-417.358	-9465.81
7220_7220	7220	7220	277.9311	658.6138	1.93725	-44.2103	-27.8355	31408.83
7220_7221	7220	7221	-248.171	-603.834	-1.93725	44.19319	3.476813	-23487.3
7221_7221	7221	7221	231.1181	614.3156	1.745625	44.03963	-12.7575	23482.72
7221_7222	7221	7222	-202.12	-562.402	-1.74563	-44.0554	-9.15338	-16277.2
7222_7222	7222	7222	182.2183	511.3316	-2.3415	-3.66188	13.36256	16276.09
7222_7223	7222	7223	-159.269	-458.45	2.3415	3.567375	17.73581	-9771.96
7223_7223	7223	7223	809.0053	458.2476	0.9975	3.698625	-13.6723	6096.757
7223_7224	7223	7224	-807.921	-416.063	-0.9975	-3.67763	1.95825	-1034.1
7224_7224	7224	7224	798.2271	351.4416	0.912188	14.42306	-2.02781	1035.542
7224_7225	7224	7225	-777.268	-322.228	-0.91219	-14.4283	-5.49938	1668.241
7225_7225	7225	7225	743.5457	327.8835	0.652313	-10.4344	5.840625	-1414.03
7225_7226	7225	7226	-685.247	-272.948	-0.65231	10.43438	-15.6096	5656.676
7226_7226	7226	7226	685.2694	208.4854	0.660188	20.37394	15.60956	-5656.93
7226_7227	7226	7227	-641.89	-165.846	-0.66019	-20.3739	-23.2772	7641.56
7227_7227	7227	7227	641.8899	165.8462	0.405563	-19.7072	23.27719	-7641.56
7227_7228	7227	7228	-598.542	-123.239	-0.40556	19.70719	-27.993	9129.918
7228_7228	7228	7228	598.5354	60.53513	0.379313	26.36156	27.993	-9129.72
7228_7229	7228	7229	-557.933	-17.9222	-0.37931	-26.3616	-32.3978	9406.408
7229_7229	7229	7229	557.928	17.92219	0.065625	-26.7986	32.39775	-9406.4
7229_7230	7229	7230	-517.318	24.69731	-0.06563	26.79863	-33.1524	9188.259
7230_7230	7230	7230	517.1513	-91.7753	2.07375	18.88031	33.15244	-9187.29
7230_7231	7230	7231	-479.522	136.2388	-2.07375	-18.8803	-58.2816	7639.074
7231_7231	7231	7231	479.5455	-136.239	1.777125	-20.5643	58.28156	-7639.09
7231_7232	7231	7232	-441.877	180.7496	-1.77713	20.56425	-79.8249	5549.751
7232_7232	7232	7232	441.9962	-242.079	0	14.26688	79.82494	-5549.31
7232_7233	7232	7233	-431.444	253.3269	0	-14.2669	-79.8249	4743.299
7233_7233	7233	7233	442.2705	-249.938	-0.42525	3.823313	86.13544	-4784.32
7233_7234	7233	7234	-420.088	272.3044	0.42525	-3.83775	-83.6023	3223.194
7234_7234	7234	7234	424.4966	-266.171	-0.525	-3.70781	83.50256	-3222.32
7234_7235	7234	7235	-391.276	297.9021	0.525	3.651375	-79.1018	620.8212
7235_7235	7235	7235	395.9235	-292.076	-0.64181	-7.36706	78.94425	-619.806

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7235_7236	7235	7236	-374.223	313.7295	0.641813	7.306688	-75.3113	-1230.55
7236_7236	7236	7236	378.1089	-381.546	0.124688	-7.96425	75.15638	1230.236
7236_7237	7236	7237	-359.212	430.3976	-0.12469	8.238563	-76.4754	-5760.5
7237_7237	7237	7237	290.5718	-423.554	-0.86756	6.5835	170.0042	6235.662
7237_7238	7237	7238	-289.002	469.2148	0.867563	-6.18713	-161.711	-10621.3
7238_7238	7238	7238	302.8673	-498.608	5.205375	-30.7834	158.3794	10622.56
7238_7239	7238	7239	-306.777	545.1626	-5.20538	30.33844	-207.515	-15525.5
7239_7239	7239	7239	306.4346	-545.227	5.049188	20.34506	212.646	15525.83
7239_7240	7239	7240	-312.313	598.8321	-5.04919	-20.79	-265.549	-21602.5
7240_7240	7240	7240	-2388.03	403.6029	-80.6046	-7.05994	1572.694	5764.795
7240_7241	7240	7241	2396.369	-368.503	80.60456	7.059938	-949.54	-2815.86
7241_7241	7241	7241	-2392.72	368.4909	-71.3646	5.796	953.7518	2797.078
7241_7242	7241	7242	2402.248	-330.22	71.36456	-5.796	-343.187	150.9992
7242_7242	7242	7242	-2402.38	330.2198	-65.6001	7.8645	343.1873	-151.032
7242_7243	7242	7243	2411.519	-293.513	65.60006	-7.8645	195.1123	2670.978
7243_7243	7243	7243	-2413.25	218.0286	-21.2809	4.476938	-195.112	-2671.31
7243_7244	7243	7244	2419.162	-172.696	21.28088	-4.47694	410.7744	4624.653
7244_7244	7244	7244	-2419.2	172.6961	-14.6869	-3.2655	-410.774	-4624.66
7244_7245	7244	7245	2424.737	-130.228	14.68688	3.2655	550.2131	6037.805
7245_7245	7245	7245	-2424.22	71.43544	-16.8906	6.83025	-550.213	-6036.63
7245_7246	7245	7246	2429.452	-25.1803	16.89056	-6.83025	724.8701	6512.293
7246_7246	7246	7246	-2429.49	25.18031	-9.83325	-5.77894	-724.87	-6512.3
7246_7247	7246	7247	2434.18	16.32356	9.83325	5.778938	816.1073	6531.992
7247_7247	7247	7247	-2434.25	-84.0354	-3.12769	9.267563	-816.107	-6531
7247_7248	7247	7248	2437.709	126.0407	3.127688	-9.26756	845.4731	5528.196
7248_7248	7248	7248	-2437.7	-126.041	8.183438	-6.279	-845.473	-5528.21
7248_7249	7248	7249	2441.465	171.8391	-8.18344	6.279	761.6976	3985.421
7249_7249	7249	7249	-2441.92	-233.377	32.54213	0.76125	-761.698	-3984.88
7249_7250	7249	7250	2444.773	278.061	-32.5421	-0.76125	436.6228	1416.155
7250_7250	7250	7250	-2444.68	-278.061	39.96956	1.96875	-436.623	-1416.16
7250_7251	7250	7251	2447.435	321.1386	-39.9696	-1.96875	51.71644	-1482.77
7251_7251	7251	7251	-2446.02	-386.109	-14.7893	-64.0789	-51.7164	1481.267
7251_7252	7251	7252	2445.474	420.7823	14.78925	64.07888	166.3554	-4608.78
7252_7252	7252	7252	-2440.96	-420.78	-3.03975	-36.0885	-167.062	4587.037
7252_7253	7252	7253	2440.293	463.8887	3.03975	36.0885	195.9261	-8875.19
7253_7253	7253	7253	251.5275	602.2328	-60.48	128.1814	29.73075	24355.7
7253_7254	7253	7254	-232.179	-565.082	60.48	-128.489	412.2654	-20053.7
7254_7254	7254	7254	210.5946	490.5758	36.8655	-18.4236	-393.591	20044.77
7254_7255	7254	7255	-183.145	-433.411	-36.8655	18.64013	-35.658	-14749.8
7255_7255	7255	7255	172.7933	441.3688	36.876	24.74325	31.689	14746.31
7255_7256	7255	7256	-151.05	-393.572	-36.876	-24.5844	-402.917	-10557.7
7256_7256	7256	7256	140.2341	346.8583	-16.2383	-16.7016	405.2541	10555.04
7256_7257	7256	7257	-128.345	-303.157	16.23825	16.69369	-252.595	-7451.71
7257_7257	7257	7257	51.90281	310.1044	-16.254	2.004188	252.6195	7841.219
7257_7258	7257	7258	-47.67	-282.09	16.254	-2.00813	-136.449	-5607.02
7258_7258	7258	7258	43.83225	285.2876	-16.2501	11.24944	136.1929	5606.362
7258_7259	7258	7259	-44.7405	-265.377	16.25006	-11.2508	-53.3269	-4116.62
7259_7259	7259	7259	697.6686	197.0443	1.682625	16.96013	-3.57263	746.913
7259_7260	7259	7260	-742.714	-165.655	-1.68263	-16.9483	-9.48019	878.5127
7260_7260	7260	7260	773.2226	170.8232	1.567125	-2.331	8.333063	-1232.22
7260_7261	7260	7261	-816.157	-136.404	-1.56713	2.331	-21.9332	2770.268
7261_7261	7261	7261	816.1571	136.4042	1.484438	-11.9739	21.93319	-2770.26
7261_7262	7261	7262	-856.006	-104.458	-1.48444	11.97394	-33.8927	3930.437
7262_7262	7262	7262	856.0138	18.36975	0.62475	12.4635	33.89269	-3930.48
7262_7263	7262	7263	-919.111	27.55594	-0.62475	-12.4635	-41.1233	4176.639
7263_7263	7263	7263	919.1096	-27.5559	0.469875	-11.3229	41.12325	-4176.63
7263_7264	7263	7264	-981.62	73.05375	-0.46988	11.32294	-46.5084	3896.009
7264_7264	7264	7264	981.6594	-143.661	1.0815	19.00238	46.50844	-3896.13
7264_7265	7264	7265	-1047.61	190.1064	-1.0815	-19.0024	-59.1819	2252.828

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7265_7265	7265	7265	1047.606	-190.106	0.817688	-20.1836	59.18194	-2252.8
7265_7266	7265	7266	-1111.49	235.0937	-0.81769	20.18363	-68.4561	142.4588
7266_7266	7266	7266	1111.618	-309.951	0.664125	8.595563	68.45606	-142.211
7266_7267	7266	7267	-1178.58	355.4368	-0.66413	-8.59556	-76.0725	-3359.13
7267_7267	7267	7267	1178.583	-355.437	0.443625	-11.6078	76.0725	3359.144
7267_7268	7267	7268	-1246.16	401.3454	-0.44363	11.60775	-81.2136	-7421.94
7268_7268	7268	7268	1246.357	-489.451	7.079625	2.411063	81.21356	7423.22
7268_7269	7268	7269	-1271.78	505.2941	-7.07963	-2.41106	-109.501	-9755.71
7269_7269	7269	7269	1169.023	-497.711	6.657	-6.20419	102.4249	10647.45
7269_7270	7269	7270	-1191.72	539.5478	-6.657	6.166125	-167.432	-15802.2
7270_7270	7270	7270	1203.166	-526.118	6.47325	-1.26394	167.5249	15800.51
7270_7271	7270	7271	-1172.83	570.9362	-6.47325	1.164188	-233.888	-21689
7271_7271	7271	7271	1032.915	-641.188	-17.9458	-41.8123	207.1847	22677.05
7271_7272	7271	7272	-962.903	703.3149	17.94581	41.57606	13.28644	-30859.2
7272_7272	7272	7272	981.4691	-689.574	-18.2018	36.79594	-8.12438	30858.38
7272_7273	7272	7273	-895.531	755.4999	18.20175	-37.0913	235.452	-39950.8
7273_7273	7273	7273	914.8059	-770.369	30.81619	-69.8591	-245.872	39959.66
7273_7274	7273	7274	-878.254	800.751	-30.8162	69.9405	74.04075	-44520
7274_7274	7274	7274	890.0863	-793.379	30.66919	5.117438	-66.6015	44520.82
7274_7275	7274	7275	-841.347	838.3988	-30.6692	-4.98225	-180.26	-50352.8
7275_7275	7275	7275	-3162.04	615.0795	37.13719	49.58888	794.6138	15919.63
7275_7276	7275	7276	3251.654	-588.719	-37.1372	-49.5889	-998.836	-12993.3
7276_7276	7276	7276	-3861.93	506.2444	-84.2192	-29.7662	1218.701	15881.2
7276_7277	7276	7277	3866.52	-486.914	84.21919	29.76619	-881.971	-13914.4
7277_7277	7277	7277	-3874.68	486.8955	-77.0989	-11.7666	887.4298	14292.51
7277_7278	7277	7278	3886.805	-441.137	77.09888	11.76656	-106.381	-9642.2
7278_7278	7278	7278	-3887.01	441.1365	-64.8821	18.53775	106.3808	9642.166
7278_7279	7278	7279	3898.041	-399.483	64.88213	-18.5378	491.9342	-5812.13
7279_7279	7279	7279	-3897.56	297.1395	-25.1147	-8.41181	-491.934	5813.106
7279_7280	7279	7280	3902.334	-244.405	25.11469	8.411813	785.1428	-2671.58
7280_7280	7280	7280	-3902.4	244.4046	-7.3605	7.182	-785.143	2671.556
7280_7281	7280	7281	3907.382	-189.379	7.3605	-7.182	874.8114	-49.9354
7281_7281	7281	7281	-3973.18	141.1253	-1.41225	0.0945	-890.501	357.2428
7281_7282	7281	7282	3985.156	-93.4999	1.41225	-0.0945	908.0072	1045.261
7282_7282	7282	7282	-3985.14	93.49988	10.46325	-0.02363	-908.007	-1045.27
7282_7283	7282	7283	3996.221	-49.4484	-10.4633	0.023625	788.0591	1817.06
7283_7283	7283	7283	-3996.91	-81.6782	-8.44594	-1.12088	-788.059	-1817.38
7283_7284	7283	7284	3997.662	122.8198	8.445938	1.120875	878.4786	718.5544
7284_7284	7284	7284	-3997.66	-122.82	8.631	0.847875	-878.479	-718.556
7284_7285	7284	7285	3998.345	160.1552	-8.631	-0.84788	794.6282	-659.836
7285_7285	7285	7285	-3998.78	-240.468	130.3313	-13.5936	-794.628	659.6953
7285_7286	7285	7286	3999.495	271.8647	-130.331	13.59356	-270.206	-2756.9
7286_7286	7286	7286	-3999.26	-271.865	137.5146	-6.69375	270.2057	2756.91
7286_7287	7286	7287	3999.911	300.0966	-137.515	6.69375	-1280.46	-4861.72
7287_7287	7287	7287	-3989.64	-300.098	146.8819	-5.65294	1281.001	4463.076
7287_7288	7287	7288	3990.197	333.4393	-146.882	5.652938	-2458.02	-7074.93
7288_7288	7288	7288	344.3055	1110.875	-27.1451	-33.9111	426.2226	39745.08
7288_7289	7288	7289	-323.118	-1050.39	27.14513	33.93338	-81.1112	-26189.3
7289_7289	7289	7289	306.5423	1056.136	-27.2423	58.233	73.11019	26187.15
7289_7290	7289	7290	-285.082	-1005.87	27.24225	-58.2173	227.7594	-14635.9
7290_7290	7290	7290	256.4546	916.6553	6.763313	-11.9306	-222.087	14636.43
7290_7291	7290	7291	-243.579	-883.988	-6.76331	11.94769	172.1921	-7975.18
7291_7291	7291	7291	225.5925	890.1887	6.737063	0.633938	-172.716	7973.925
7291_7292	7291	7292	-211.562	-852.196	-6.73706	-0.62081	114.0261	-203.509
7292_7292	7292	7292	167.6719	857.3053	6.680625	16.15163	-112.034	355.9683
7292_7293	7292	7293	-161.075	-841.167	-6.68063	-16.149	83.49731	3525.967
7293_7293	7293	7293	149.4032	772.2501	-1.17469	14.56875	-83.2794	-3526.58
7293_7294	7293	7294	-143.147	-745.336	1.174688	-14.5714	91.66106	9349.211
7294_7294	7294	7294	139.7156	746.4909	-1.23244	4.240688	-91.5915	-9349.33

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7294_7295	7294	7295	-133.24	-714.106	1.232438	-4.24069	102.1808	14905.22
7295_7295	7295	7295	166.2583	714.2244	-1.17731	-24.5739	-102.922	-15091.2
7295_7296	7295	7296	-161.394	-683.466	1.177313	24.57394	111.2226	19997.55
7296_7296	7296	7296	30.87131	589.5081	4.358813	33.34406	-77.826	-19264
7296_7297	7296	7297	-36.8681	-541.77	-4.35881	-33.3441	29.94338	25512.24
7297_7297	7297	7297	36.88125	541.7698	4.311563	-20.6548	-29.9434	-25512.3
7297_7298	7297	7298	-43.0999	-492.264	-4.31156	20.65481	-19.1769	31438
7298_7298	7298	7298	43.02244	406.7661	0.534188	66.53588	19.17694	-31441.4
7298_7299	7298	7299	-49.6558	-357.979	-0.53419	-66.5359	-25.1803	35770.6
7299_7299	7299	7299	49.65844	357.9791	0.469875	-47.4009	25.18031	-35770.6
7299_7300	7299	7300	-57.1069	-303.209	-0.46988	47.40094	-31.0984	39978.1
7300_7300	7300	7300	57.08194	213.4821	0.013125	66.18413	31.09838	-39982.5
7300_7301	7300	7301	-67.2158	-160.536	-0.01313	-66.1841	-31.2638	42313.79
7301_7301	7301	7301	67.21706	160.5358	-0.04463	-57.918	31.26375	-42313.8
7301_7302	7301	7302	-76.9046	-109.921	0.044625	57.918	-30.7479	43939.28
7302_7302	7302	7302	76.90463	18.648	0.71925	74.19956	30.74794	-43943.5
7302_7303	7302	7303	-90.6032	36.88913	-0.71925	-74.1996	-39.9473	43896.3
7303_7303	7303	7303	90.60713	-36.8891	0.653625	-76.2484	39.94725	-43896.3
7303_7304	7303	7304	-102.45	84.90169	-0.65363	76.24838	-47.1634	43283.35
7304_7304	7304	7304	102.4433	-178.121	0.54075	71.91188	47.16338	-43288.1
7304_7305	7304	7305	-117.25	228.3264	-0.54075	-71.9119	-53.4161	41013.87
7305_7305	7305	7305	117.2535	-228.326	0.47775	-62.8294	53.41613	-41013.9
7305_7306	7305	7306	-132.975	281.6323	-0.47775	62.82938	-59.2764	37964.31
7306_7306	7306	7306	132.9339	-379.41	-0.43969	61.93294	59.27644	-37967.8
7306_7307	7306	7307	-149.751	431.0526	0.439688	-61.9329	-54.0527	33234.86
7307_7307	7307	7307	149.7458	-431.053	-0.51056	-61.0155	54.05269	-33234.9
7307_7308	7307	7308	-166.639	482.9304	0.510563	61.0155	-47.9509	27862.37
7308_7308	7308	7308	166.8608	-599.368	10.25456	37.26319	47.95088	-27864.8
7308_7309	7308	7309	-184.887	651.5119	-10.2546	-37.2632	-171.014	20448.19
7309_7309	7309	7309	184.9457	-651.512	10.17844	-40.8804	171.0135	-20448.2
7309_7310	7309	7310	-202.697	702.8595	-10.1784	40.88044	-291.299	12533.33
7310_7310	7310	7310	202.1132	-835.283	-21.777	-2.37431	291.2989	-12533.6
7310_7311	7310	7311	-230.279	893.4043	21.777	2.374313	0	1111.883
7400_7020	7400	7020	3425.206	-322.606	66.74456	1.000125	-532.298	-4884.03
7400_7401	7400	7401	-3426.58	327.831	-66.7446	-1.00013	259.3513	3554.061
7401_7401	7401	7401	3422.777	-321.074	24.33638	-0.35963	-254.685	-3554.19
7401_7402	7401	7402	-3423.97	325.5289	-24.3364	0.359625	169.7614	2426.013
7402_7402	7402	7402	3430.833	-243.284	17.62294	-1.13531	-171.141	-2425.92
7402_7403	7402	7403	-3434.89	257.1384	-17.6229	1.135313	-21.3898	-307.541
7403_7403	7403	7403	3434.322	-157.031	0.165375	-0.96994	18.38813	307.5319
7403_7404	7403	7404	-3437.28	166.0838	-0.16538	0.969938	-19.5838	-1472.05
7404_7404	7404	7404	3440.216	-86.0291	-1.94644	-0.51319	19.87781	1472.048
7404_7405	7404	7405	-3443.39	95.01581	1.946438	0.513188	-5.84456	-2124.84
7405_7405	7405	7405	3443.228	19.299	0.410813	-0.58669	4.592438	2124.842
7405_7406	7405	7406	-3450.19	-1.58156	-0.41081	0.586688	-10.5066	-1974.43
7406_7406	7406	7406	3449.864	116.5684	-1.39519	-0.63656	10.42256	1974.423
7406_7407	7406	7407	-3454.53	-105.83	1.395188	0.636563	1.9425	-989.168
7407_7407	7407	7407	3451.555	178.1588	-1.72463	-0.504	-1.91363	989.1683
7407_7408	7407	7408	-3454.78	-171.15	1.724625	0.504	11.49488	-18.7058
7408_7408	7408	7408	3422.823	-561.871	-0.12469	-2.90456	-12.3244	18.71625
7408_7409	7408	7409	-3423.74	565.9618	0.124688	2.904563	12.70238	-1721.39
7409_7409	7409	7409	3417.671	542.6597	-2.18531	1.48575	-12.3808	1722.277
7409_7410	7409	7410	-3416.76	-538.556	2.185313	-1.48575	18.99975	-84.735
7410_7410	7410	7410	3448.544	-195.757	2.691938	-1.06444	-17.5652	84.73238
7410_7411	7410	7411	-3445.32	202.7642	-2.69194	1.064438	2.60925	-1191.73
7411_7411	7411	7411	3448.813	-130.615	1.484438	-0.59981	-2.80875	1191.726
7411_7412	7411	7412	-3444.15	141.3497	-1.48444	0.599813	-10.3451	-2396.3
7412_7412	7412	7412	3450.148	-26.0544	0.165375	-0.77569	10.46194	2396.321
7412_7413	7412	7413	-3443.18	43.77713	-0.16538	0.775688	-12.8454	-2899.48

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7413_7413	7413	7413	3448.233	70.55738	-0.83344	0.454125	12.69319	2899.519
7413_7414	7413	7414	-3445.06	-61.5654	0.833438	-0.45413	-6.67669	-2422.83
7414_7414	7414	7414	3442.757	140.2091	1.945125	-1.68	7.33425	2422.825
7414_7415	7414	7415	-3439.8	-131.163	-1.94513	1.68	-21.3452	-1445.47
7415_7415	7415	7415	3442.785	232.2836	-13.8311	-1.38731	23.93869	1445.514
7415_7416	7415	7416	-3438.73	-218.432	13.83113	1.387313	127.1432	1016.072
7416_7416	7416	7416	3432.59	299.9194	-11.1983	2.426813	-127.353	-1016.04
7416_7417	7416	7417	-3431.4	-295.47	11.19825	-2.42681	166.3843	2053.633
7417_7417	7417	7417	3435.507	303.8228	-39.8252	-1.46738	-167.598	-2053.6
7417_7036	7417	7036	-3434.13	-298.59	39.82519	1.467375	330.6831	3352.767
7420_7056	7420	7056	2880.246	-300.578	47.06888	1.177313	-266.046	-5063.5
7420_7421	7420	7421	-2881.47	305.2166	-47.0689	-1.17731	73.25194	3822.814
7421_7421	7421	7421	2877.168	-298.98	7.4445	0.7245	-74.8401	-3822.77
7421_7422	7421	7422	-2878.22	302.925	-7.4445	-0.7245	48.87881	2773.226
7422_7422	7422	7422	2884.664	-233.809	5.50725	-0.0105	-49.4064	-2773.22
7422_7423	7422	7423	-2888.26	246.078	-5.50725	0.0105	-10.7271	153.3223
7423_7423	7423	7423	2888.045	-163.814	0.98175	0.027563	8.019375	-153.328
7423_7424	7423	7424	-2890.67	171.8443	-0.98175	-0.02756	-15.099	-1057.52
7424_7424	7424	7424	2893.929	-103.269	-1.23769	0.490875	15.38513	1057.519
7424_7425	7424	7425	-2896.74	111.2278	1.237688	-0.49088	-6.46144	-1830.66
7425_7425	7425	7425	2896.917	-16.4312	-0.22838	0.337313	6.07425	1830.658
7425_7426	7425	7426	-2903.09	32.13656	0.228375	-0.33731	-2.77331	-2180.62
7426_7426	7426	7426	2902.86	65.14856	1.533	-0.04856	2.748375	2180.624
7426_7427	7426	7427	-2906.99	-55.6421	-1.533	0.048563	-16.3236	-1645.88
7427_7427	7427	7427	2905.253	114.9488	-0.94369	0.9975	16.95225	1645.871
7427_7428	7427	7428	-2908.12	-108.695	0.943688	-0.9975	-11.7062	-1024.21
7428_7428	7428	7428	2874.476	-510.009	-4.58063	-0.09713	13.01606	1024.216
7428_7429	7428	7429	-2875.29	513.6679	4.580625	0.097125	0.861	-2574.85
7429_7429	7429	7429	2877.478	518.3391	-4.13963	0.699563	-0.99619	2577.824
7429_7430	7429	7430	-2876.66	-514.692	4.139625	-0.69956	13.49775	-1018.05
7430_7430	7430	7430	2912.356	-102.179	3.909938	-0.9765	-11.5041	1018.05
7430_7431	7430	7431	-2909.48	108.4322	-3.90994	0.9765	-10.2323	-1603.48
7431_7431	7431	7431	2911.091	-49.2227	-0.2205	1.073625	9.228188	1603.489
7431_7432	7431	7432	-2906.96	58.72781	0.2205	-1.07363	-7.27519	-2081.33
7432_7432	7432	7432	2908.11	38.98519	-0.29794	0.332063	7.731938	2081.342
7432_7433	7432	7433	-2901.94	-23.2733	0.297938	-0.33206	-3.42956	-1632.55
7433_7433	7433	7433	2902.862	117.1826	1.540875	0.3675	4.900875	1632.574
7433_7434	7433	7434	-2900.05	-109.228	-1.54088	-0.3675	-16.0046	-816.849
7434_7434	7434	7434	2896.651	177.8923	0.011813	0.429188	15.86419	816.8514
7434_7435	7434	7435	-2894.03	-169.866	-0.01181	-0.42919	-15.9456	436.9706
7435_7435	7435	7435	2893.704	252.9437	-17.3552	0.590625	20.11931	-436.961
7435_7436	7435	7436	-2890.11	-240.672	17.35519	-0.59063	169.4333	3132.539
7436_7436	7436	7436	2883.564	309.1082	-21.5421	-0.07613	-168.121	-3132.61
7436_7437	7436	7437	-2882.51	-305.167	21.54206	0.076125	243.1918	4202.915
7437_7437	7437	7437	2887.155	312.1007	-40.3909	-1.18781	-251.211	-4202.83
7437_7072	7437	7072	-2885.94	-307.468	40.39088	1.187813	416.5193	5470.676
7440_7094	7440	7094	3269.146	-280.303	33.97013	0.42525	-155.018	-3358.69
7440_7441	7440	7441	-3270.35	284.8978	-33.9701	-0.42525	15.83925	2167.589
7441_7441	7441	7441	3263.626	-277.087	2.5935	-0.12994	-17.3539	-2167.6
7441_7442	7441	7442	-3264.67	280.9971	-2.5935	0.129938	8.302875	1193.691
7442_7442	7442	7442	3270.522	-201.782	1.765313	-0.23625	-8.39344	-1193.69
7442_7443	7442	7443	-3274.08	213.9309	-1.76531	0.23625	-10.8714	-1075.5
7443_7443	7443	7443	3274.304	-118.708	-0.58013	0.240188	9.952688	1075.491
7443_7444	7443	7444	-3276.9	126.6563	0.580125	-0.24019	-5.77369	-1960.11
7444_7444	7444	7444	3278.983	-48.9825	0.332063	-0.44363	5.584688	1960.107
7444_7445	7444	7445	-3281.77	56.86144	-0.33206	0.443625	-7.97475	-2341.43
7445_7445	7445	7445	3281.952	50.2425	-1.08675	-0.01313	9.417188	2341.429
7445_7446	7445	7446	-3288.06	-34.671	1.08675	0.013125	6.260625	-1729.03
7446_7446	7446	7446	3286.03	148.0224	4.54125	-0.13125	-5.78813	1729.031

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7446_7447	7446	7447	-3290.12	-138.613	-4.54125	0.13125	-34.4006	-460.845
7447_7447	7447	7447	3286.668	204.8314	-2.69063	0.161438	34.84294	460.8109
7447_7448	7447	7448	-3289.51	-198.634	2.690625	-0.16144	-19.887	660.7086
7448_7448	7448	7448	3269.204	-500.553	-4.59375	4.617375	22.61175	-660.703
7448_7449	7448	7449	-3270.01	504.1733	4.59375	-4.61738	-8.72025	-858.578
7449_7449	7449	7449	3269.325	501.1112	6.860438	-4.9035	8.784563	858.8514
7449_7450	7449	7450	-3268.51	-497.49	-6.86044	4.9035	-29.5365	651.3255
7450_7450	7450	7450	3292.324	-201.809	-2.44256	0.166688	28.53506	-651.299
7450_7451	7450	7451	-3289.48	208.005	2.442563	-0.16669	-14.9573	-487.925
7451_7451	7451	7451	3292.997	-141.808	-1.28625	-0.30319	15.03075	487.9232
7451_7452	7451	7452	-3288.9	151.2171	1.28625	0.303188	-3.6435	-1784.38
7452_7452	7452	7452	3295.181	-37.9811	0.097125	-0.10238	2.46225	1784.381
7452_7453	7452	7453	-3289.07	53.55131	-0.09713	0.102375	-3.86006	-2444.48
7453_7453	7453	7453	3293.878	53.47519	0.657563	-0.16406	3.584438	2444.493
7453_7454	7453	7454	-3291.09	-45.5963	-0.65756	0.164063	-8.32519	-2087.62
7454_7454	7454	7454	3289.09	123.5693	-0.13781	0.150938	8.151938	2087.617
7454_7455	7454	7455	-3286.49	-115.622	0.137813	-0.15094	-7.15706	-1225.37
7455_7455	7455	7455	3290.469	211.5579	-1.35581	0.2835	8.570625	1225.38
7455_7456	7455	7456	-3286.91	-199.4	1.355813	-0.2835	6.244875	1019.327
7456_7456	7456	7456	3281.385	275.7248	-4.09894	-0.44363	-6.00338	-1019.33
7456_7457	7456	7457	-3280.34	-271.827	4.098938	0.443625	20.26763	1971.962
7457_7457	7457	7457	3287.206	281.7977	-26.0938	-0.33075	-18.6257	-1971.94
7457_7110	7457	7110	-3286	-277.204	26.09381	0.33075	125.5131	3147.995
7460_7132	7460	7132	2870.718	-411.456	-44.2798	-1.29544	374.3499	-5595.79
7460_7461	7460	7461	-2871.93	417.0101	44.27981	1.295438	-157.297	3402.26
7461_7461	7461	7461	2881.505	-282.609	-15.4652	-0.15488	153.8933	-3402.3
7461_7462	7461	7462	-2882.55	286.5174	15.46519	0.154875	-99.9482	2409.709
7462_7462	7462	7462	2888.605	-217.273	-12.8783	-0.3465	100.5624	-2409.68
7462_7463	7462	7463	-2892.17	229.4263	12.87825	0.3465	40.07325	-29.3803
7463_7463	7463	7463	2931.015	-147.245	0.051188	0.055125	-34.8744	29.34488
7463_7464	7463	7464	-2933.61	155.19	-0.05119	-0.05513	34.50169	-1119.17
7464_7464	7464	7464	2936.464	-85.6104	4.193438	-0.72188	-35.0543	1119.156
7464_7465	7464	7465	-2939.25	93.48413	-4.19344	0.721875	4.85625	-1764.06
7465_7465	7465	7465	2982.48	-7.68469	0.273	-0.14175	-2.55413	1763.971
7465_7466	7465	7466	-2988.59	23.24831	-0.273	0.14175	-1.37813	-1986.97
7466_7466	7466	7466	3041.439	58.26713	-4.12781	0.252	4.484813	1986.857
7466_7467	7466	7467	-3045.53	-48.8513	4.127813	-0.252	32.06044	-1512.63
7467_7467	7467	7467	3043.887	111.4654	-1.27444	-0.483	-32.6891	1512.62
7467_7468	7467	7468	-3046.73	-105.27	1.274438	0.483	39.77006	-910.366
7468_7468	7468	7468	3069.14	-583.766	6.243563	-6.82238	-39.5286	910.266
7468_7469	7468	7469	-3069.95	587.3844	-6.24356	6.822375	20.65613	-2680.46
7469_7469	7469	7469	3067.584	583.7869	-8.04694	6.580875	-27.3945	2675.624
7469_7470	7469	7470	-3066.77	-580.168	8.046938	-6.58088	51.71906	-916.336
7470_7470	7470	7470	3046.676	-108.252	3.745875	-0.4935	-51.1954	916.3193
7470_7471	7470	7471	-3043.83	114.4461	-3.74588	0.4935	30.37913	-1535.14
7471_7471	7471	7471	3045.562	-50.4564	4.335188	-0.14963	-30.2544	1535.145
7471_7472	7471	7472	-3041.47	59.88413	-4.33519	0.149625	-8.16769	-2024.14
7472_7472	7472	7472	2993.343	20.39494	-0.46594	-0.15488	4.433625	2024.258
7472_7473	7472	7473	-2987.23	-4.84313	0.465938	0.154875	2.277188	-1842.44
7473_7473	7473	7473	2950.197	94.21256	1.542188	-0.74156	-3.81019	1842.394
7473_7474	7473	7474	-2947.41	-86.3271	-1.54219	0.741563	-7.31456	-1191.44
7474_7474	7474	7474	2944.611	154.8068	-2.59088	0.790125	6.738375	1191.443
7474_7475	7474	7475	-2942.01	-146.862	2.590875	-0.79013	11.93456	-104.381
7475_7475	7475	7475	2913.022	229.5234	5.64375	0.301875	-13.4584	104.3779
7475_7476	7475	7476	-2909.46	-217.37	-5.64375	-0.30188	-48.1688	2335.78
7476_7476	7476	7476	2903.408	287.1107	6.216	-0.38194	48.03619	-2335.78
7476_7477	7476	7477	-2902.36	-283.203	-6.216	0.381938	-69.7161	3330.457
7477_7477	7477	7477	2907.424	289.128	5.240813	0.773063	73.42388	-3330.42
7477_7148	7477	7148	-2906.21	-284.536	-5.24081	-0.77306	-94.8819	4504.931

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7480_7168	7480	7168	2827.263	-314.115	-31.8596	-0.59981	128.5358	-5887.53
7480_7481	7480	7481	-2828.47	318.7078	31.85963	0.599813	1.925438	4591.881
7481_7481	7481	7481	2824.826	-313.421	-5.20931	-7.67156	-2.43863	-4591.81
7481_7482	7481	7482	-2825.87	317.3284	5.209313	7.671563	20.60888	3491.741
7482_7482	7482	7482	2832.673	-249.447	2.093438	2.065875	-18.081	-3491.76
7482_7483	7482	7483	-2836.23	261.6009	-2.09344	-2.06588	-4.788	701.2963
7483_7483	7483	7483	2887.786	-181.612	-0.85706	-0.252	8.871188	-701.344
7483_7484	7483	7484	-2890.38	189.5565	0.857063	0.252	-2.69194	-636.177
7484_7484	7484	7484	2894.009	-122.322	-0.74156	-0.33994	2.676188	636.1766
7484_7485	7484	7485	-2896.79	130.2079	0.741563	0.339938	2.674875	-1546.7
7485_7485	7485	7485	2957.496	-44.9571	-0.98175	-0.11944	3.016125	1546.621
7485_7486	7485	7486	-2963.61	60.51938	0.98175	0.119438	11.13525	-2306.99
7486_7486	7486	7486	3038.348	19.23469	-1.72988	0.658875	-4.49138	2306.871
7486_7487	7486	7487	-3042.44	-9.8175	1.729875	-0.65888	19.81219	-2178.25
7487_7487	7487	7487	3041.597	72.37519	1.103813	-0.94106	-20.7165	2178.242
7487_7488	7487	7488	-3044.44	-66.1815	-1.10381	0.941063	14.58056	-1793.23
7488_7488	7488	7488	3082.896	-628.212	-0.81769	5.084625	-11.9989	1793.281
7488_7489	7488	7489	-3083.71	631.8309	0.817688	-5.08463	14.47294	-3697.83
7489_7489	7489	7489	3086.295	632.4294	-2.30344	-4.77619	32.73375	3705.453
7489_7490	7489	7490	-3085.49	-628.811	2.303438	4.776188	-25.7696	-1799.12
7490_7490	7490	7490	3046.407	-65.541	-0.57356	-1.10775	21.49481	1799.124
7490_7491	7490	7491	-3043.56	71.73469	0.573563	1.10775	-18.3068	-2180.58
7491_7491	7491	7491	3044.395	-7.76738	-3.42694	0.548625	17.39325	2180.585
7491_7492	7491	7492	-3040.3	17.19506	3.426938	-0.54863	12.97931	-2291.21
7492_7492	7492	7492	2965.074	60.88556	1.808625	0.063	-17.4956	2291.377
7492_7493	7492	7493	-2958.96	-45.3338	-1.80863	-0.063	-8.5575	-1526.14
7493_7493	7493	7493	2898.012	131.6503	-1.54744	0.631313	3.240563	1526.103
7493_7494	7493	7494	-2895.23	-123.765	1.547438	-0.63131	7.920938	-605.185
7494_7494	7494	7494	2891.569	191.0344	2.290313	-0.00525	-7.63613	605.1885
7494_7495	7494	7495	-2888.97	-183.09	-2.29031	0.00525	-8.87513	742.9761
7495_7495	7495	7495	2838.129	263.025	-1.11169	0.1365	5.1555	-742.972
7495_7496	7495	7496	-2834.57	-250.871	1.111688	-0.1365	6.986438	3548.993
7496_7496	7496	7496	2827.734	318.8063	-0.5565	1.022438	-7.17281	-3548.99
7496_7497	7496	7497	-2826.69	-314.898	0.5565	-1.02244	9.114	4654.225
7497_7497	7497	7497	2829.553	319.8484	27.84994	0.6825	-11.5028	-4654.21
7497_7184	7497	7184	-2828.35	-315.256	-27.8499	-0.6825	-102.538	6073.599
7500_7204	7500	7204	3119.391	-324.692	24.948	0.48825	-111.616	-5555.47
7500_7501	7500	7501	-3120.82	330.1226	-24.948	-0.48825	9.461813	4159.806
7501_7501	7501	7501	3118.731	-322.808	1.294125	0.318938	-10.6956	-4159.85
7501_7502	7501	7502	-3119.96	327.4307	-1.29413	-0.31894	6.183188	3025.78
7502_7502	7502	7502	3126.922	-252.482	0.679875	-0.14044	-6.3525	-3025.78
7502_7503	7502	7503	-3131.13	266.8562	-0.67988	0.140438	-1.06969	190.0474
7503_7503	7503	7503	3124.723	-176.433	1.640625	-0.56438	-1.19569	-190.057
7503_7504	7503	7504	-3127.8	185.8277	-1.64063	0.564375	-10.6313	-1115.36
7504_7504	7504	7504	3131.268	-113.069	-2.52	0.690375	11.14575	1115.353
7504_7505	7504	7505	-3134.56	122.3959	2.52	-0.69038	7.031063	-1964.34
7505_7505	7505	7505	3129.272	-20.2269	1.115625	0.1155	-9.73875	1964.352
7505_7506	7505	7506	-3136.5	38.63344	-1.11563	-0.1155	-6.33938	-2388.67
7506_7506	7506	7506	3130.691	66.81544	-0.04331	0.87675	5.983688	2388.644
7506_7507	7506	7507	-3135.53	-55.6776	0.043313	-0.87675	-5.5965	-1846.35
7507_7507	7507	7507	3133.724	120.1397	2.895375	-0.94106	4.831313	1846.357
7507_7508	7507	7508	-3137.06	-112.875	-2.89538	0.941063	-20.9265	-1198.87
7508_7508	7508	7508	3092.923	-551.813	-4.22756	2.117063	21.86756	1198.803
7508_7509	7508	7509	-3093.87	556.0564	4.227563	-2.11706	-9.08906	-2873.32
7509_7509	7509	7509	3093.96	556.6286	5.366813	-1.48181	8.947313	2872.984
7509_7510	7509	7510	-3093.01	-552.385	-5.36681	1.481813	-25.1698	-1196.71
7510_7510	7510	7510	3131.188	-111.686	0.119438	-0.58144	24.01088	1196.661
7510_7511	7510	7511	-3127.85	118.9506	-0.11944	0.581438	-24.6763	-1837.54
7511_7511	7511	7511	3129.635	-54.6092	-2.814	0.620813	23.91638	1837.551

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7511_7512	7511	7512	-3124.79	65.74575	2.814	-0.62081	1.000125	-2370.38
7512_7512	7512	7512	3123.918	39.15188	0.1785	0.227063	-0.294	2370.38
7512_7513	7512	7513	-3116.69	-20.7454	-0.1785	-0.22706	-2.28506	-1938.59
7513_7513	7513	7513	3116.525	122.2318	0.576188	0.422625	3.369188	1938.607
7513_7514	7513	7514	-3113.23	-112.905	-0.57619	-0.42263	-7.52719	-1090.8
7514_7514	7514	7514	3109.768	185.2384	0.4515	0.291375	7.519313	1090.795
7514_7515	7514	7515	-3106.7	-175.842	-0.4515	-0.29138	-10.7783	210.3688
7515_7515	7515	7515	3107.728	264.7759	-6.36431	3.860063	12.21019	-210.329
7515_7516	7515	7516	-3103.52	-250.401	6.364313	-3.86006	57.28931	3023.331
7516_7516	7516	7516	3096.556	324.7965	-20.2374	-8.70319	-53.4581	-3023.39
7516_7517	7516	7517	-3095.32	-320.174	20.23744	8.703188	124.0496	4148.255
7517_7517	7517	7517	3096.467	327.9268	-77.6278	-4.41394	-110.552	-4148.59
7517_7220	7517	7220	-3095.04	-322.496	77.62781	4.413938	428.4368	5480.332
7520_7240	7520	7240	2916.533	65.44913	148.7824	38.4825	-1350.72	-9596.98
7520_7521	7520	7521	-2918.25	-61.8319	-148.782	-38.4825	989.1263	9751.648
7521_7521	7521	7521	2894.252	-464.481	80.48906	-0.54075	-977.588	-9716.7
7521_7522	7521	7522	-2895.73	470.0312	-80.4891	0.54075	696.8889	8087.183
7522_7522	7522	7522	2906.311	-400.571	74.76656	-0.462	-701.564	-8086.78
7522_7523	7522	7523	-2911.37	417.8383	-74.7666	0.462	-114.957	3617.87
7523_7523	7523	7523	2934.75	-319.354	-2.9295	2.600063	103.5576	-3615.26
7523_7524	7523	7524	-2938.44	330.6424	2.9295	-2.60006	-82.4394	1272.611
7524_7524	7524	7524	2945.309	-262.396	-8.4315	-1.76794	81.61125	-1272.67
7524_7525	7524	7525	-2949.26	273.6038	8.4315	1.767938	-20.7979	-660.487
7525_7525	7525	7525	2935.818	-171.302	-3.44006	0.156188	15.74475	660.0864
7525_7526	7525	7526	-2944.5	193.4087	3.440063	-0.15619	33.84019	-3288.83
7526_7526	7526	7526	2929.448	-92.4801	-1.40831	-4.84313	-35.5438	3286.041
7526_7527	7526	7527	-2935.26	105.8584	1.408313	4.843125	48.00994	-4164.12
7527_7527	7527	7527	2936.805	-45.4703	-9.12975	7.1715	-43.0343	4164.166
7527_7528	7527	7528	-2940.78	54.1275	9.12975	-7.1715	93.77025	-4440.92
7528_7528	7528	7528	2846.555	-673.823	4.05825	-13.6526	-91.2804	4438.672
7528_7529	7528	7529	-2847.69	678.8854	-4.05825	13.65263	79.00331	-6484.81
7529_7529	7529	7529	2843.764	659.904	-2.52788	12.20625	-78.7014	6478.814
7529_7530	7529	7530	-2842.63	-654.859	2.527875	-12.2063	86.32181	-4496.46
7530_7530	7530	7530	2897.604	43.11694	17.67281	-9.48281	-82.6416	4496.099
7530_7531	7530	7531	-2893.63	-34.4571	-17.6728	9.482813	-15.5859	-4280.51
7531_7531	7531	7531	2892.327	94.57613	8.007563	4.705313	9.0825	4280.535
7531_7532	7531	7532	-2886.51	-81.1873	-8.00756	-4.70531	-80.0284	-3501.9
7532_7532	7532	7532	2871.569	172.8248	-3.31538	-0.02363	77.58319	3500.233
7532_7533	7532	7533	-2862.89	-150.726	3.315375	0.023625	-29.8043	-1168.83
7533_7533	7533	7533	2845.98	241.4738	-1.49756	1.855875	29.736	1168.714
7533_7534	7533	7534	-2842.03	-230.264	1.497563	-1.85588	-18.9263	533.0588
7534_7534	7534	7534	2836.004	295.2285	-7.54556	0.245438	19.34888	-533.047
7534_7535	7534	7535	-2832.31	-283.95	7.545563	-0.24544	35.00438	2618.969
7535_7535	7535	7535	2813.101	365.1519	36.05569	8.638875	-30.9501	-2616.98
7535_7536	7535	7536	-2808.04	-347.876	-36.0557	-8.63888	-363.024	6512.587
7536_7536	7536	7536	2799.074	414.4849	28.46156	-18.3855	368.0408	-6512.29
7536_7537	7536	7537	-2797.59	-408.933	-28.4616	18.3855	-467.299	7948.087
7537_7537	7537	7537	2811.266	411.7286	-56.931	-148.877	480.7596	-7968.99
7537_7253	7537	7253	-2809.55	-405.215	56.931	148.8769	-248.002	9735.37
7540_7275	7540	7275	4428.577	-407.589	-10.8714	68.91938	-874.498	-5428.84
7540_7541	7540	7541	-4430.42	414.6043	10.87144	-68.9194	918.9836	3746.655
7541_7541	7541	7541	4399.024	-419.186	64.08938	-8.61394	-906.519	-3780.02
7541_7542	7541	7542	-4400.62	425.1765	-64.0894	8.613938	682.4462	2303.969
7542_7542	7542	7542	4409.925	-316.021	54.92156	3.399375	-683.885	-2303.56
7542_7543	7542	7543	-4415.37	334.5917	-54.9216	-3.39938	84.42656	-1247.07
7543_7543	7543	7543	4441.248	-203.743	8.481375	-6.64125	-91.7503	1239.524
7543_7544	7543	7544	-4445.22	215.8958	-8.48138	6.64125	30.59569	-2752.5
7544_7544	7544	7544	4449.08	-111.062	-3.91781	1.820438	-28.0114	2752.536
7544_7545	7544	7545	-4453.33	123.1125	3.917813	-1.82044	56.24719	-3596.51

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7545_7545	7545	7545	4435.058	18.66506	1.14975	-2.57644	-60.5771	3589.798
7545_7546	7545	7546	-4444.4	5.122688	-1.14975	2.576438	43.99631	-3492.19
7546_7546	7546	7546	4421.501	138.1682	16.12144	-3.63431	-46.3798	3487.784
7546_7547	7546	7547	-4427.76	-123.764	-16.1214	3.634313	-96.4189	-2327.71
7547_7547	7547	7547	4424.209	216.8079	2.135438	1.536938	99.62925	2327.576
7547_7548	7547	7548	-4428.48	-207.522	-2.13544	-1.53694	-111.489	-1149.17
7548_7548	7548	7548	4372.385	-730.498	-1.55925	5.146313	112.7004	1142.237
7548_7549	7548	7549	-4373.6	735.9253	1.55925	-5.14631	-107.987	-3358.57
7549_7549	7549	7549	4401.301	774.0823	-7.37363	-7.61644	108.8706	3369.354
7549_7550	7549	7550	-4400.05	-768.746	7.373625	7.616438	-86.9033	-1071.04
7550_7550	7550	7550	4437.106	-202.472	11.67469	-2.76281	84.72319	1066.102
7550_7551	7550	7551	-4432.6	211.8546	-11.6747	2.762813	-150.772	-2238.09
7551_7551	7551	7551	4436.36	-107.933	1.078875	-1.008	148.2758	2238.255
7551_7552	7551	7552	-4430.21	121.5467	-1.07888	1.008	-157.37	-3205.04
7552_7552	7552	7552	4417.64	49.28569	-0.3045	-1.89525	154.3067	3204.128
7552_7553	7552	7553	-4408.28	-26.145	0.3045	1.89525	-150.023	-2673.12
7553_7553	7553	7553	4388.815	190.9753	6.23175	1.232438	148.8283	2673.371
7553_7554	7553	7554	-4384.58	-179.226	-6.23175	-1.23244	-192.731	-1369.42
7554_7554	7554	7554	4378.652	289.968	0.219188	-1.71544	192.0621	1369.51
7554_7555	7554	7555	-4374.72	-278.125	-0.21919	1.715438	-193.603	629.8845
7555_7555	7555	7555	4372.008	427.2844	-43.6157	2.888813	201.4622	-625.604
7555_7556	7555	7556	-4366.71	-409.157	43.61569	-2.88881	263.1287	5080.418
7556_7556	7556	7556	4353.536	531.1241	-45.5031	7.970813	-262.348	-5080.45
7556_7557	7556	7557	-4351.99	-525.244	45.50306	-7.97081	418.3594	6891.363
7557_7557	7557	7557	4514.987	126.0709	-431.789	-48.1097	-401.212	-6891.42
7557_7288	7557	7288	-4512.54	-119.082	431.7889	48.10969	2204.622	7477.408
47000_7000	47000	7000	0.240188	574.6217	1.82175	4.833938	0	-0.18769
47000_7001	47000	7001	-0.24019	-534.411	-1.82175	-4.83394	-19.1336	5826.155
47001_7001	47001	7001	0.240188	534.4106	1.82175	4.862813	19.13363	-5826.15
47001_7002	47001	7002	-0.24019	-498.448	-1.82175	-4.86281	-36.246	10678.64
47002_7002	47002	7002	0.22575	430.8281	-1.51856	11.37544	36.246	-10678.7
47002_7003	47002	7003	-0.22575	-384.489	1.518563	-11.3754	-17.8579	15614.4
47003_7003	47003	7003	0.224438	384.489	-1.51856	-3.11194	17.85788	-15614.4
47003_7004	47003	7004	-0.22444	-338.117	1.518563	3.111938	0.547313	19991.99
47004_7004	47004	7004	0.229688	279.9497	-0.40425	23.10131	-0.54731	-19992.1
47004_7005	47004	7005	-0.22969	-233.62	0.40425	-23.1013	5.44425	23100.49
47005_7005	47005	7005	0.229688	233.6198	-0.40556	-17.2174	-5.44425	-23100.5
47005_7006	47005	7006	-0.22969	-187.262	0.405563	17.21738	10.35038	25649.4
47006_7006	47006	7006	0.234938	134.3108	1.239	24.79181	-10.3504	-25649.5
47006_7007	47006	7007	-0.23494	-87.9585	-1.239	-24.7918	-4.65544	26995.48
47007_7007	47007	7007	0.23625	87.9585	1.239	-22.26	4.655438	-26995.5
47007_7008	47007	7008	-0.23625	-41.5774	-1.239	22.26	-19.6652	27780.36
47008_7008	47008	7008	0.232313	-10.2244	-0.41869	23.53444	19.66519	-27780.5
47008_7009	47008	7009	-0.23231	56.56219	0.418688	-23.5344	-14.6003	27376.23
47009_7009	47009	7009	0.232313	-56.5622	-0.41869	-24.1553	14.60025	-27376.2
47009_7010	47009	7010	-0.23231	102.9276	0.418688	24.15525	-9.52613	26410.16
47010_7010	47010	7010	0.23625	-153.703	0.821625	18.13875	9.526125	-26410.5
47010_7011	47010	7011	-0.23625	200.0644	-0.82163	-18.1388	-19.4801	24267.84
47011_7011	47011	7011	0.237563	-200.064	0.821625	-21.63	19.48013	-24267.8
47011_7012	47011	7012	-0.23756	246.4166	-0.82163	21.63	-29.4276	21564.22
47012_7012	47012	7012	0.238875	-298.287	0.888563	12.55931	29.42756	-21564.4
47012_7013	47012	7013	-0.23888	344.6336	-0.88856	-12.5593	-40.1835	17671.64
47013_7013	47013	7013	0.240188	-344.634	0.88725	-18.1637	40.1835	-17671.6
47013_7014	47013	7014	-0.24019	391.0095	-0.88725	18.16369	-50.9394	13214.72
47014_7014	47014	7014	0.23625	-450.699	-0.05119	1.544813	50.93944	-13214.9
47014_7015	47014	7015	-0.23625	511.3316	0.051187	-1.54481	-50.1257	5594.642
47015_7015	47015	7015	6.041438	-511.296	-0.05119	-5.74481	50.06269	-5594.49
47015_7016	47015	7016	-6.37744	540.8222	0.051187	5.744813	-49.6361	1250.543
47016_7016	47016	7016	20.60888	-593.385	0.098437	-5.27756	56.90869	-2261.66

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47016_7017	47016	7017	-21.9909	635.5151	-0.09844	5.277563	-58.0689	-5259.04
47017_7017	47017	7017	39.82388	-634.648	0.097125	2.34675	58.46269	5259.042
47017_7018	47017	7018	-42.9306	685.6316	-0.09713	-2.34675	-59.7437	-13994.8
47018_7018	47018	7018	67.61738	-745.555	-0.54206	-27.7056	57.2565	13994.58
47018_7019	47018	7019	-72.1219	796.0785	0.542063	27.70556	-50.4578	-23626.2
47019_7019	47019	7019	94.09838	-793.782	-0.54469	26.31169	56.16056	23626.18
47019_7020	47019	7020	-100.391	847.5246	0.544688	-26.3117	-49.3106	-33715.5
47020_7020	47020	7020	-3148.8	281.6153	-29.6087	-4.10419	671.8281	7442.886
47020_7021	47020	7021	3148.795	-246.741	29.60869	4.104188	-390.561	-4933.37
47021_7021	47021	7021	-3148.81	246.7408	-27.7436	-1.18256	390.5606	4933.371
47021_7022	47021	7022	3148.812	-221.06	27.74363	1.182563	-175.606	-3121.14
47022_7022	47022	7022	-3148.85	221.0604	-23.7038	2.821875	175.6059	3121.134
47022_7023	47022	7023	3148.846	-195.384	23.70375	-2.82188	8.025938	-1508.08
47023_7023	47023	7023	-3148.9	132.4457	-8.59425	-0.9345	-8.02594	1507.964
47023_7024	47023	7024	3148.899	-105.906	8.59425	0.9345	76.84688	-553.681
47024_7024	47024	7024	-3148.91	105.9056	-5.10825	-0.32025	-76.8469	553.6808
47024_7025	47024	7025	3148.907	-79.401	5.10825	0.32025	117.6919	187.2084
47025_7025	47025	7025	-3148.91	79.401	-5.10825	-0.32025	-117.692	-187.208
47025_7026	47025	7026	3148.907	-52.8977	5.10825	0.32025	158.5382	716.1643
47026_7026	47026	7026	-3148.91	-8.56013	-4.79325	-0.21	-158.538	-716.285
47026_7027	47026	7027	3148.911	28.46025	4.79325	0.21	187.3187	605.1478
47027_7027	47027	7027	-3148.91	-28.4603	-5.35369	-0.10238	-187.319	-605.148
47027_7028	47027	7028	3148.909	48.32756	5.353688	0.102375	219.408	375.0036
47028_7028	47028	7028	-3148.91	-48.3276	0.422625	-0.79144	-219.408	-375.004
47028_7029	47028	7029	3148.913	68.22506	-0.42263	0.791438	216.8749	25.16063
47029_7029	47029	7029	-3148.91	-68.2251	0.422625	-0.79144	-216.875	-25.1606
47029_7030	47029	7030	3148.913	88.12256	-0.42263	0.791438	214.3404	-444.129
47030_7030	47030	7030	-3148.92	-149.099	2.082938	-1.92544	-214.34	444.1093
47030_7031	47030	7031	3148.92	175.5915	-2.08294	1.925438	197.6953	-1741.77
47031_7031	47031	7031	-3148.92	-175.592	2.491125	-1.69969	-197.695	1741.77
47031_7032	47031	7032	3148.92	202.1184	-2.49113	1.699688	177.7611	-3253.21
47032_7032	47032	7032	-3148.91	-202.118	6.405	2.344125	-177.761	3253.205
47032_7033	47032	7033	3148.915	228.6401	-6.405	-2.34413	126.5079	-4976.7
47033_7033	47033	7033	-3148.83	-292.491	19.95919	0.048563	-126.508	4976.787
47033_7034	47033	7034	3148.833	318.1763	-19.9592	-0.04856	-28.1636	-7342.93
47034_7034	47034	7034	-3148.86	-318.176	15.91669	-9.37781	28.16363	7342.92
47034_7035	47034	7035	3148.857	343.8645	-15.9167	9.377813	-151.528	-9908.45
47035_7035	47035	7035	-3148.82	-343.865	21.94894	9.600938	151.5281	9908.448
47035_7036	47035	7036	3148.82	378.7324	-21.9489	-9.60094	-359.99	-13606.7
47036_7036	47036	7036	109.914	709.3026	-0.32025	-13.9571	-25.6371	42138.69
47036_7037	47036	7037	-103.621	-655.55	0.32025	13.95713	29.67038	-33381.8
47037_7037	47037	7037	85.48444	658.161	-0.34125	12.81919	-32.3584	33381.79
47037_7038	47037	7038	-80.9799	-607.647	0.34125	-12.8192	36.64631	-25283.4
47038_7038	47038	7038	60.70181	556.9226	2.42025	-7.287	-34.9847	25283.96
47038_7039	47038	7039	-57.5938	-505.922	-2.42025	7.287	2.854688	-18267.2
47039_7039	47039	7039	57.31425	405.3604	1.152375	4.148813	-1.56844	3526.325
47039_7040	47039	7040	-55.9479	-363.685	-1.15238	-4.14881	-11.9779	1141.069
47040_7040	47040	7040	47.49544	309.1279	-0.05381	5.46525	12.04613	-1141.07
47040_7041	47040	7041	-47.1673	-280.214	0.053813	-5.46525	-11.6012	3739.032
47041_7041	47041	7041	43.97925	280.7319	-0.13781	-1.33481	11.66156	-3739.04
47041_7042	47041	7042	-43.9793	-232.273	0.137813	1.334813	-9.54581	7484.313
47042_7042	47042	7042	43.97925	178.4239	0.072187	8.212313	9.545813	-7484.38
47042_7043	47042	7043	-43.9793	-141.043	-0.07219	-8.21231	-10.3989	9385.205
47043_7043	47043	7043	43.97925	141.0426	-0.00131	-7.497	10.39894	-9385.21
47043_7044	47043	7044	-43.9793	-103.667	0.001312	7.497	-10.3766	10841
47044_7044	47044	7044	43.97794	53.00138	-0.08663	4.412625	10.37663	-10841
47044_7045	47044	7045	-43.9779	-15.5978	0.086625	-4.41263	-9.35025	11249.45
47045_7045	47045	7045	43.97794	15.59775	-0.11944	-4.16456	9.35025	-11249.4
47045_7046	47045	7046	-43.9779	21.77306	0.119438	4.164563	-7.92619	11212.72

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47046_7046	47046	7046	43.97925	-71.6927	0.21	8.292375	7.926188	-11212.7
47046_7047	47046	7047	-43.9793	109.0884	-0.21	-8.29238	-10.4226	10136.66
47047_7047	47047	7047	43.98056	-109.088	0.1365	-8.67563	10.42256	-10136.7
47047_7048	47047	7048	-43.9806	146.4789	-0.1365	8.675625	-12.0435	8615.666
47048_7048	47048	7048	43.97925	-197.143	-0.08663	2.1	12.0435	-8615.68
47048_7049	47048	7049	-43.9793	234.5293	0.086625	-2.1	-11.0079	6046.785
47049_7049	47049	7049	43.97925	-234.529	-0.12338	-2.96363	11.00794	-6046.78
47049_7050	47049	7050	-43.9793	271.9146	0.123375	2.963625	-9.534	3033.121
47050_7050	47050	7050	43.98188	-325.921	0.44625	-1.64325	9.534	-3033.11
47050_7051	47050	7051	-43.9819	374.3644	-0.44625	1.64325	-16.4089	-2674.29
47051_7051	47051	7051	48.23569	-373.839	0.37275	2.134125	16.43381	2674.292
47051_7052	47051	7052	-48.5389	400.533	-0.37275	-2.13413	-19.5024	-5893.26
47052_7052	47052	7052	58.94963	-455.582	-0.60638	-9.96581	19.16119	5893.118
47052_7053	47052	7053	-60.2096	494.0171	0.606375	9.965813	-12.0264	-11478.8
47053_7053	47053	7053	76.66575	-498.614	-0.42263	14.58188	25.47038	12073.94
47053_7054	47053	7054	-79.6779	547.9044	0.422625	-14.5819	-19.866	-19226.2
47054_7054	47054	7054	100.1739	-602.483	-1.1445	-21.1444	17.1255	19225.99
47054_7055	47054	7055	-104.528	651.1811	1.1445	21.14438	-2.75888	-26793.3
47055_7055	47055	7055	122.4851	-648.043	-1.218	20.83331	7.107188	26793.33
47055_7056	47055	7056	-128.546	699.6951	1.218	-20.8333	8.224125	-35002.6
47056_7056	47056	7056	-2891.65	329.0648	-22.4123	-7.30538	420.5906	10249.67
47056_7057	47056	7057	2891.651	-295.246	22.41225	7.305375	-207.531	-7282.15
47057_7057	47057	7057	-2891.68	295.2456	-19.0877	1.430625	207.5312	7226.969
47057_7058	47057	7058	2891.675	-268.276	19.08769	-1.43063	-59.5809	-5043.05
47058_7058	47058	7058	-2891.7	268.2763	-15.3668	7.919625	59.58094	5043.041
47058_7059	47058	7059	2891.697	-241.31	15.36675	-7.91963	59.51663	-3068.33
47059_7059	47059	7059	-2891.68	181.1736	-8.73994	-1.62094	-59.5166	3068.418
47059_7060	47059	7060	2891.683	-153.37	8.739938	1.620938	129.3613	-1731.74
47060_7060	47060	7060	-2891.69	153.3696	-4.87331	0.694313	-129.361	1731.741
47060_7061	47060	7061	2891.692	-125.533	4.873313	-0.69431	168.3491	-616.09
47061_7061	47061	7061	-2891.7	125.5328	-1.26788	1.463438	-168.349	616.0888
47061_7062	47061	7062	2891.696	-97.6986	1.267875	-1.46344	178.4882	276.7905
47062_7062	47062	7062	-2891.7	39.63356	-3.99263	0.759938	-178.488	-276.959
47062_7063	47062	7063	2891.696	-18.7399	3.992625	-0.75994	202.4636	452.2153
47063_7063	47063	7063	-2891.7	18.73988	0.811125	0.007875	-202.464	-452.215
47063_7064	47063	7064	2891.699	2.151188	-0.81113	-0.00788	197.5903	502.0168
47064_7064	47064	7064	-2891.7	-2.15119	0.481688	0.065625	-197.59	-502.017
47064_7065	47064	7065	2891.699	23.00681	-0.48169	-0.06563	194.6989	426.6203
47065_7065	47065	7065	-2891.7	-23.0068	0.811125	0.017063	-194.699	-426.62
47065_7066	47065	7066	2891.699	43.89788	-0.81113	-0.01706	189.8256	225.7736
47066_7066	47066	7066	-2891.7	-102.014	5.519063	0.21	-189.826	-225.662
47066_7067	47066	7067	2891.7	129.8417	-5.51906	-0.21	145.6888	-701.477
47067_7067	47067	7067	-2891.7	-129.842	5.519063	0.21	-145.689	701.4774
47067_7068	47067	7068	2891.7	157.668	-5.51906	-0.21	101.5508	-1851.17
47068_7068	47068	7068	-2891.7	-157.668	5.757938	0.363563	-101.551	1851.166
47068_7069	47068	7069	2891.699	185.5298	-5.75794	-0.36356	55.44263	-3225.26
47069_7069	47069	7069	-2891.62	-245.556	17.1465	-4.71188	-55.4426	3225.469
47069_7070	47069	7070	2891.62	272.5078	-17.1465	4.711875	-77.3758	-5231.97
47070_7070	47070	7070	-2891.6	-272.508	20.87138	2.029125	77.37581	5231.97
47070_7071	47070	7071	2891.595	299.4574	-20.8714	-2.02913	-239.039	-7447.05
47071_7071	47071	7071	-2891.59	-299.457	21.15488	3.1605	239.0391	7502.236
47071_7072	47071	7072	2891.594	333.2503	-21.1549	-3.1605	-439.988	-10507.3
47072_7072	47072	7072	121.716	691.1389	0.87675	-9.77813	-11.2547	35277.96
47072_7073	47072	7073	-115.655	-639.451	-0.87675	9.778125	0.21525	-26905.8
47073_7073	47073	7073	97.95713	642.4005	0.843938	11.62481	-2.39663	26905.81
47073_7074	47073	7074	-93.6036	-593.679	-0.84394	-11.6248	-8.20444	-19150.3
47074_7074	47074	7074	73.89506	546.9122	0.307125	-0.46988	9.253125	19150.68
47074_7075	47074	7075	-70.8842	-497.645	-0.30713	0.469875	-13.3271	-12223.1
47075_7075	47075	7075	53.949	394.8998	0.507938	-1.29938	8.537813	-3557.76

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47075_7076	47075	7076	-52.7297	-357.746	-0.50794	1.299375	-14.5149	7981.23
47076_7076	47076	7076	44.48194	309.1515	-0.03413	7.51275	14.37975	-7981.48
47076_7077	47076	7077	-44.1893	-283.318	0.034125	-7.51275	-14.0976	10426.51
47077_7077	47077	7077	40.96838	283.8006	-0.08138	-4.77881	14.18288	-10438.4
47077_7078	47077	7078	-40.9684	-237.398	0.081375	4.778813	-13.0397	14082.07
47078_7078	47078	7078	40.96706	189.4318	-0.38194	8.023313	13.03969	-14082.1
47078_7079	47078	7079	-40.9671	-152.274	0.381938	-8.02331	-8.76619	15995.11
47079_7079	47079	7079	40.96706	152.2736	-0.41606	-5.47575	8.766188	-15995.1
47079_7080	47079	7080	-40.9671	-115.148	0.416063	5.47575	-4.10813	17490.81
47080_7080	47080	7080	40.96838	70.42744	0.179813	9.1455	4.108125	-17491
47080_7081	47080	7081	-40.9684	-33.3073	-0.17981	-9.1455	-6.11494	18071.09
47081_7081	47081	7081	40.96838	33.30731	0.140438	-7.81331	6.114938	-18071.1
47081_7082	47081	7082	-40.9684	3.845625	-0.14044	7.813313	-7.69388	18235.99
47082_7082	47082	7082	40.96838	-50.3265	-0.09975	7.332938	7.693875	-18236.1
47082_7083	47082	7083	-40.9684	90.23569	0.09975	-7.33294	-6.48638	17391.01
47083_7083	47083	7083	40.96706	-90.2357	-0.13388	-7.11244	6.486375	-17391
47083_7084	47083	7084	-40.9671	130.1423	0.133875	7.112438	-4.87069	16066.05
47084_7084	47084	7084	40.96838	-176.25	-0.06169	5.376	4.870688	-16066.2
47084_7085	47084	7085	-40.9684	213.3954	0.061688	-5.376	-4.18031	13885.6
47085_7085	47085	7085	40.96838	-213.395	-0.09713	-6.43913	4.180313	-13885.6
47085_7086	47085	7086	-40.9684	250.5064	0.097125	6.439125	-3.10013	11291.89
47086_7086	47086	7086	40.96838	-295.463	0.112875	5.93775	3.100125	-11291.9
47086_7087	47086	7087	-40.9684	332.6059	-0.11288	-5.93775	-4.37063	7777.326
47087_7087	47087	7087	40.96838	-332.606	0.040688	-7.94719	4.370625	-7777.33
47087_7088	47087	7088	-40.9684	369.7457	-0.04069	7.947188	-4.82344	3847.409
47088_7088	47088	7088	40.96838	-417.396	0.12075	-2.86519	4.823438	-3847.43
47088_7089	47088	7089	-40.9684	462.042	-0.12075	2.865188	-6.44175	-2067.89
47089_7089	47089	7089	46.21838	-461.546	0.043313	0.9555	6.45225	2079.81
47089_7090	47089	7090	-46.5281	488.8314	-0.04331	-0.9555	-6.80663	-6178.84
47090_7090	47090	7090	58.6005	-536.683	-0.57094	-11.9398	6.407625	6178.705
47090_7091	47090	7091	-59.8881	575.9329	0.570938	11.93981	0.308437	-12788.9
47091_7091	47091	7091	78.95344	-579.554	-0.32288	8.360625	8.430188	13253.27
47091_7092	47091	7092	-81.9079	628.0299	0.322875	-8.36063	-4.14356	-21216.5
47092_7092	47092	7092	104.4448	-680.846	-0.9135	-24.171	1.487063	21216.13
47092_7093	47092	7093	-108.72	728.7827	0.9135	24.171	9.98025	-30146.5
47093_7093	47093	7093	128.8074	-725.501	-0.98306	23.51738	-5.0925	30146.46
47093_7094	47093	7094	-134.768	776.3976	0.983063	-23.5174	17.46806	-39687.2
47094_7094	47094	7094	-3136.54	300.6911	-15.183	-7.05863	227.4038	10913.64
47094_7095	47094	7095	3136.536	-267.459	15.183	7.058625	-83.0681	-8105.15
47095_7095	47095	7095	-3136.55	267.4586	-12.3467	0.273	83.06813	8105.155
47095_7096	47095	7096	3136.55	-241.16	12.34669	-0.273	12.54881	-6135.6
47096_7096	47096	7096	-3136.56	241.1601	-8.16244	8.456438	-12.5488	6135.598
47096_7097	47096	7097	3136.563	-214.83	8.162438	-8.45644	75.84544	-4367.64
47097_7097	47097	7097	-3136.57	157.6365	-0.75863	-3.97556	-75.8454	4367.629
47097_7098	47097	7098	3136.571	-130.49	0.758625	3.975563	81.90919	-3215.9
47098_7098	47098	7098	-3136.57	130.4901	3.290438	0.175875	-81.9092	3215.907
47098_7099	47098	7099	3136.569	-103.311	-3.29044	-0.17588	55.57388	-2280.21
47099_7099	47099	7099	-3136.56	103.3108	7.206938	3.022688	-55.5739	2280.204
47099_7100	47099	7100	3136.563	-76.1329	-7.20694	-3.02269	-2.1105	-1562.07
47100_7100	47100	7100	-3136.59	20.18363	-0.79931	-0.24675	2.1105	1562.208
47100_7101	47100	7101	3136.592	0.166688	0.799313	0.24675	2.676188	-1502.23
47101_7101	47101	7101	-3136.59	-0.16669	4.589813	2.333625	-2.67619	1502.226
47101_7102	47101	7102	3136.589	20.5485	-4.58981	-2.33363	-24.8732	-1564.4
47102_7102	47102	7102	-3136.59	-20.5485	-5.85506	-2.87569	24.87319	1564.399
47102_7103	47102	7103	3136.586	40.93425	5.855063	2.875688	10.27688	-1748.95
47103_7103	47103	7103	-3136.59	-40.9343	-0.79931	-0.05644	-10.2769	1748.952
47103_7104	47103	7104	3136.592	61.28325	0.799313	0.056438	15.06356	-2055.25
47104_7104	47104	7104	-3136.59	-117.319	-6.216	-2.688	-15.0636	2055.136
47104_7105	47104	7105	3136.59	144.4971	6.216	2.688	64.81388	-3102.92

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47105_7105	47105	7105	-3136.6	-144.497	-2.29819	1.187813	-64.8139	3102.917
47105_7106	47105	7106	3136.595	171.6737	2.298188	-1.18781	83.2125	-4368.17
47106_7106	47106	7106	-3136.6	-171.674	-2.41631	1.02375	-83.2125	4368.172
47106_7107	47106	7107	3136.595	198.8175	2.416313	-1.02375	102.5273	-5848.95
47107_7107	47107	7107	-3136.56	-255.802	10.04194	-4.12781	-102.527	5849.029
47107_7108	47107	7108	3136.559	282.1284	-10.0419	4.127813	24.66975	-7934.36
47108_7108	47108	7108	-3136.56	-282.128	10.04194	-4.12781	-24.6698	7934.355
47108_7109	47108	7109	3136.559	308.4559	-10.0419	4.127813	-53.1878	-10223.8
47109_7109	47109	7109	-3136.55	-308.456	13.14469	5.985	53.18775	10223.79
47109_7110	47109	7110	3136.548	341.6438	-13.1447	-5.985	-177.974	-13442.8
47110_7110	47110	7110	142.9956	723.3529	0.259875	-26.9509	-9.37781	42791.64
47110_7111	47110	7111	-137.037	-672.433	-0.25988	26.95088	6.104438	-33921.1
47111_7111	47111	7111	118.4243	675.9585	0.166688	26.71725	-11.6143	33921.08
47111_7112	47111	7112	-114.149	-628.004	-0.16669	-26.7173	9.514313	-25911.4
47112_7112	47112	7112	93.62456	583.5231	0.459375	-3.801	-6.88538	25911.95
47112_7113	47112	7113	-90.6701	-535.072	-0.45938	3.801	0.788812	-18524.7
47113_7113	47113	7113	68.45869	431.8913	0.439688	2.510813	11.28488	2188.769
47113_7114	47113	7114	-67.1843	-393.023	-0.43969	-2.51081	-16.4614	2860.779
47114_7114	47114	7114	58.17394	344.1454	-0.20081	3.392813	16.49813	-2860.85
47114_7115	47114	7115	-57.8668	-317.121	0.200813	-3.39281	-14.8404	5998.326
47115_7115	47115	7115	54.26006	317.7576	-0.231	0.087937	14.8785	-6015.49
47115_7116	47115	7116	-54.2601	-274.579	0.231	-0.08794	-11.6458	9606.932
47116_7116	47116	7116	54.26006	227.5403	-0.22706	5.908875	11.64581	-9606.94
47116_7117	47116	7117	-54.2601	-192.956	0.227063	-5.90888	-9.10088	11960.03
47117_7117	47117	7117	54.26006	192.9559	-0.27563	-4.58456	9.100875	-11960
47117_7118	47117	7118	-54.2601	-158.402	0.275625	4.584563	-6.02569	13924.43
47118_7118	47118	7118	54.26006	115.563	-0.25069	0.347813	6.025688	-13924.3
47118_7119	47118	7119	-54.2601	-80.9799	0.250688	-0.34781	-3.22481	15024.13
47119_7119	47119	7119	54.26006	80.97994	-0.25069	0.347813	3.224813	-15024.1
47119_7120	47119	7120	-54.2601	-46.3956	0.250688	-0.34781	-0.42263	15736.89
47120_7120	47120	7120	54.26006	0.368812	-0.07875	12.8205	0.422625	-15737
47120_7121	47120	7121	-54.2601	36.77888	0.07875	-12.8205	0.527625	15518.17
47121_7121	47121	7121	54.26006	-36.7789	-0.16931	-12.9951	-0.52763	-15518.2
47121_7122	47121	7122	-54.2601	73.92525	0.169313	12.99506	2.562	14852.79
47122_7122	47122	7122	54.26006	-119.203	-0.19425	5.484938	-2.562	-14852.8
47122_7123	47122	7123	-54.2601	153.7843	0.19425	-5.48494	4.74075	13325.32
47123_7123	47123	7123	54.25875	-153.784	-0.24281	-6.42075	-4.74075	-13325.3
47123_7124	47123	7124	-54.2588	188.3661	0.242813	6.42075	7.462875	11410.88
47124_7124	47124	7124	54.25875	-232.712	0.009188	6.944438	-7.46288	-11410.9
47124_7125	47124	7125	-54.2588	267.2919	-0.00919	-6.94444	7.364438	8613.233
47125_7125	47125	7125	54.25875	-267.292	-0.08794	-8.44856	-7.36444	-8613.23
47125_7126	47125	7126	-54.2588	301.8724	0.087938	8.448563	8.351438	5428.652
47126_7126	47126	7126	54.26006	-348.811	-0.10894	-0.57356	-8.35144	-5428.69
47126_7127	47126	7127	-54.2601	390.5921	0.108938	0.573563	9.82275	455.9975
47127_7127	47127	7127	58.69369	-389.95	-0.18113	-0.98438	-9.83456	-439.461
47127_7128	47127	7128	-58.9759	414.7618	0.181125	0.984375	11.33081	-3079.35
47128_7128	47128	7128	69.56775	-465.599	-0.7245	-7.10588	-11.5579	3079.263
47128_7129	47128	7129	-70.7385	501.3133	0.7245	7.105875	20.07469	-9103.4
47129_7129	47129	7129	90.12675	-506.33	-2.016	11.42006	-29.9919	9782.52
47129_7130	47129	7130	-92.9867	553.2778	2.016	-11.4201	56.75381	-16747.3
47130_7130	47130	7130	112.9944	-601.449	3.247125	-8.65331	-58.3419	16747.28
47130_7131	47130	7131	-117.141	647.9498	-3.24713	8.653313	17.59406	-24819.5
47131_7131	47131	7131	140.2078	-643.353	3.206438	8.422313	-15.8314	24819.47
47131_7132	47131	7132	-145.999	689.5704	-3.20644	-8.42231	-21.9109	-32896.8
47132_7132	47132	7132	-2813.98	271.5024	18.18863	8.001	-217.884	8388.287
47132_7133	47132	7133	2813.975	-236.614	-18.1886	-8.001	30.17963	-5522.09
47133_7133	47133	7133	-2814	236.6136	14.55694	0.87675	-30.1796	5522.096
47133_7134	47133	7134	2813.996	-212.659	-14.5569	-0.87675	-82.6403	-3781.16
47134_7134	47134	7134	-2814.02	212.6591	7.309313	-8.86331	82.64025	3781.152

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47134_7135	47134	7135	2814.024	-188.675	-7.30931	8.863313	-139.363	-2223.97
47135_7135	47135	7135	-2814.01	137.1129	-4.06219	-1.17994	139.3626	2224.071
47135_7136	47135	7136	2814.009	-112.417	4.062188	1.179938	-106.906	-1227.18
47136_7136	47136	7136	-2814.01	112.4169	-0.52238	0.363563	106.9058	1227.182
47136_7137	47136	7137	2814.012	-87.6894	0.522375	-0.36356	-102.724	-426.749
47137_7137	47137	7137	-2814.01	87.68944	-0.52238	0.363563	102.7241	426.7489
47137_7138	47137	7138	2814.012	-62.9619	0.522375	-0.36356	-98.5425	175.8658
47138_7138	47138	7138	-2814	12.85725	-6.06244	0.0525	98.5425	-175.929
47138_7139	47138	7139	2813.996	5.687063	6.062438	-0.0525	-62.1679	197.4407
47139_7139	47139	7139	-2814	-5.68706	-1.37288	-0.27563	62.16788	-197.441
47139_7140	47139	7140	2814.003	24.23269	1.372875	0.275625	-53.9333	107.6788
47140_7140	47140	7140	-2814	-24.2327	-1.37288	-0.27563	53.93325	-107.679
47140_7141	47140	7141	2814.003	42.77831	1.372875	0.275625	-45.6973	-93.3568
47141_7141	47141	7141	-2814	-42.7783	-1.37288	-0.27563	45.69731	93.35681
47141_7142	47141	7142	2814.003	61.32263	1.372875	0.275625	-37.4627	-405.664
47142_7142	47142	7142	-2813.99	-113.749	-5.75269	-1.41225	37.46269	405.5888
47142_7143	47142	7143	2813.992	138.4766	5.752688	1.41225	8.560125	-1414.51
47143_7143	47143	7143	-2814	-138.477	-2.23519	0.355688	-8.56013	1414.51
47143_7144	47143	7144	2813.997	163.2028	2.235188	-0.35569	26.44294	-2621.24
47144_7144	47144	7144	-2814	-163.203	-2.23519	0.355688	-26.4429	2621.244
47144_7145	47144	7145	2813.997	187.9303	2.235188	-0.35569	44.32444	-4025.8
47145_7145	47145	7145	-2814.02	-245.314	1.177313	2.118375	-44.3244	4025.709
47145_7146	47145	7146	2814.022	269.2686	-1.17731	-2.11838	35.19731	-6019.75
47146_7146	47146	7146	-2814.02	-269.269	-2.45306	-5.649	-35.1973	6019.745
47146_7147	47146	7147	2814.022	293.223	2.453063	5.649	54.20888	-8199.45
47147_7147	47147	7147	-2814.02	-293.223	0.891188	4.095	-54.2089	8199.449
47147_7148	47147	7148	2814.022	325.3412	-0.89119	-4.095	45.74325	-11137.7
47148_7148	47148	7148	158.1484	642.0842	-0.56569	-11.8703	-15.2171	36333.87
47148_7149	47148	7149	-152.358	-592.621	0.565688	11.87025	22.33613	-28567.7
47149_7149	47149	7149	135.9343	596.6021	-0.63131	11.51456	-24.6842	28567.65
47149_7150	47149	7150	-131.788	-550.102	0.631313	-11.5146	32.61038	-21374.9
47150_7150	47150	7150	113.2425	503.7821	2.481938	-1.36369	-31.4344	21374.88
47150_7151	47150	7151	-110.383	-456.833	-2.48194	1.363688	-1.51725	-15001.1
47151_7151	47151	7151	82.62581	339.2681	0.565688	0.392438	-13.3035	-472.954
47151_7152	47151	7152	-81.4223	-302.58	-0.56569	-0.39244	6.65175	4245.293
47152_7152	47152	7152	74.30719	249.9368	-0.01969	-3.92963	-6.59138	-4245.36
47152_7153	47152	7153	-74.0171	-224.441	0.019687	3.929625	6.752813	6202.252
47153_7153	47153	7153	71.46169	225.2683	0.049875	2.160375	-6.79744	-6202.25
47153_7154	47153	7154	-71.4617	-184.09	-0.04988	-2.16038	6.114938	9016.636
47154_7154	47154	7154	71.46169	133.7477	0.049875	0.216563	-6.11494	-9016.63
47154_7155	47154	7155	-71.4617	-100.805	-0.04988	-0.21656	5.562375	10306.7
47155_7155	47155	7155	71.46169	100.8053	0.049875	0.216563	-5.56238	-10306.7
47155_7156	47155	7156	-71.4617	-67.8628	-0.04988	-0.21656	5.009813	11234.39
47156_7156	47156	7156	71.46169	22.87163	0.074813	-5.58206	-5.00981	-11234.4
47156_7157	47156	7157	-71.4617	7.075688	-0.07481	5.582063	4.265625	11313.37
47157_7157	47157	7157	71.46169	-7.07569	0.145688	5.730375	-4.26563	-11313.4
47157_7158	47157	7158	-71.4617	37.02431	-0.14569	-5.73038	2.80875	11092.86
47158_7158	47158	7158	71.46169	-77.2669	0.093188	-5.19356	-2.80875	-11092.8
47158_7159	47158	7159	-71.4617	107.2444	-0.09319	5.193563	1.871625	10169.3
47159_7159	47159	7159	71.46169	-107.244	0.165375	5.026875	-1.87163	-10169.3
47159_7160	47159	7160	-71.4617	137.193	-0.16538	-5.02688	0.217875	8947.091
47160_7160	47160	7160	71.46169	-182.476	0.105	-3.32194	-0.21788	-8947.07
47160_7161	47160	7161	-71.4617	215.418	-0.105	3.321938	-0.94238	6758.635
47161_7161	47161	7161	71.46169	-215.418	0.170625	2.821875	0.942375	-6758.64
47161_7162	47161	7162	-71.4617	248.3591	-0.17063	-2.82188	-2.81794	4207.824
47162_7162	47162	7162	71.46038	-300.199	0.33075	-0.3675	2.817938	-4207.85
47162_7163	47162	7163	-71.4604	341.3773	-0.33075	0.3675	-7.36181	-205.091
47163_7163	47163	7163	75.33488	-340.543	0.261188	-0.25331	7.359188	205.0914
47163_7164	47163	7164	-75.6249	366.0392	-0.26119	0.253313	-9.51431	-3149.04

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47164_7164	47164	7164	85.29938	-420.655	-0.03544	-2.55806	9.436875	3149.126
47164_7165	47164	7165	-86.5029	457.3446	0.035437	2.558063	-9.02738	-8361.25
47165_7165	47165	7165	106.1274	-463.743	0.195563	2.877	12.7575	9120.794
47165_7166	47165	7166	-109.025	511.2686	-0.19556	-2.877	-15.3576	-15649.9
47166_7166	47166	7166	129.2078	-574.149	0.101063	-8.77144	14.43094	15649.74
47166_7167	47166	7167	-133.405	621.2286	-0.10106	8.771438	-15.7067	-23222.9
47167_7167	47167	7167	150.5096	-617.307	0.039375	9.06675	17.598	23222.91
47167_7168	47167	7168	-156.367	667.3485	-0.03938	-9.06675	-18.0941	-31073.5
47168_7168	47168	7168	-2738.74	305.3531	-2.68931	-4.50319	22.449	8394.157
47168_7169	47168	7169	2738.736	-272.795	2.689313	4.503188	3.104063	-5647.9
47169_7169	47169	7169	-2738.74	272.7953	0.4725	2.017313	-3.10406	5647.898
47169_7170	47169	7170	2738.737	-248.181	-0.4725	-2.01731	-0.55519	-3629.09
47170_7170	47170	7170	-2738.74	248.1806	0.4725	2.017313	0.555187	3629.087
47170_7171	47170	7171	2738.737	-223.566	-0.4725	-2.01731	-4.21313	-1801.05
47171_7171	47171	7171	-2738.74	161.9271	1.052625	0.7035	4.213125	1800.918
47171_7172	47171	7172	2738.741	-136.517	-1.05263	-0.7035	-12.6302	-607.126
47172_7172	47172	7172	-2738.74	136.5171	-2.37169	-0.05644	12.63019	607.1258
47172_7173	47172	7173	2738.74	-111.108	2.371688	0.056438	6.340688	383.3983
47173_7173	47173	7173	-2738.74	111.1084	1.052625	-0.5355	-6.34069	-383.397
47173_7174	47173	7174	2738.741	-85.6997	-1.05263	0.5355	-2.07638	1170.637
47174_7174	47174	7174	-2738.74	28.31719	1.127438	-0.56306	2.076375	-1170.74
47174_7175	47174	7175	2738.74	-9.25969	-1.12744	0.563063	-8.84494	1283.468
47175_7175	47175	7175	-2738.74	9.259688	-3.43613	1.575	8.844938	-1283.47
47175_7176	47175	7176	2738.739	9.7965	3.436125	-1.575	11.77313	1281.854
47176_7176	47176	7176	-2738.74	-9.7965	1.127438	-0.56044	-11.7731	-1281.86
47176_7177	47176	7177	2738.74	28.854	-1.12744	0.560438	5.004563	1165.902
47177_7177	47177	7177	-2738.74	-28.854	1.127438	-0.56044	-5.00456	-1165.9
47177_7178	47177	7178	2738.74	47.91019	-1.12744	0.560438	-1.764	935.6051
47178_7178	47178	7178	-2738.74	-105.751	0.749438	-0.5565	1.764	-935.705
47178_7179	47178	7179	2738.737	131.1594	-0.74944	0.5565	-7.76475	-11.9464
47179_7179	47179	7179	-2738.74	-131.159	-2.67356	-0.57225	7.76475	11.94506
47179_7180	47179	7180	2738.736	156.5694	2.673563	0.57225	13.62113	-1162.88
47180_7180	47180	7180	-2738.74	-156.569	0.749438	0.882	-13.6211	1162.882
47180_7181	47180	7181	2738.737	181.9781	-0.74944	-0.882	7.620375	-2517.08
47181_7181	47181	7181	-2738.75	-243.893	1.565813	2.606625	-7.62038	2516.973
47181_7182	47181	7182	2738.748	268.5073	-1.56581	-2.60663	-4.51894	-4502.55
47182_7182	47182	7182	-2738.75	-268.507	1.565813	2.606625	4.518938	4502.548
47182_7183	47182	7183	2738.748	293.1219	-1.56581	-2.60663	-16.6583	-6678.89
47183_7183	47183	7183	-2738.75	-293.122	-1.596	-5.10431	16.65825	6678.893
47183_7184	47183	7184	2738.748	325.6798	1.596	5.104313	-1.5015	-9810.63
47184_7184	47184	7184	156.4316	644.4257	0.301875	10.18894	-21.8453	33272.91
47184_7185	47184	7185	-150.573	-594.384	-0.30188	-10.1889	18.04294	-25573.3
47185_7185	47185	7185	134.1008	598.3163	0.366188	-9.09956	-15.9915	25573.35
47185_7186	47185	7186	-129.903	-551.237	-0.36619	9.099563	11.3925	-18322.6
47186_7186	47186	7186	110.9758	498.7238	-1.08806	-0.74025	-12.1328	18322.58
47186_7187	47186	7187	-108.078	-451.161	1.088063	0.74025	26.56894	-12220.5
47187_7187	47187	7187	85.31906	328.3665	0.421313	1.704938	-5.47838	-4700.7
47187_7188	47187	7188	-84.0617	-290.017	-0.42131	-1.70494	0.525	8625.882
47188_7188	47188	7188	77.18156	234.6054	0.032813	-5.0925	-0.41081	-8625.87
47188_7189	47188	7189	-76.8784	-207.943	-0.03281	5.0925	0.137813	9812.498
47189_7189	47189	7189	74.51063	208.8043	0.105	4.408688	-0.19556	-9801.45
47189_7190	47189	7190	-74.5106	-163.842	-0.105	-4.40869	-1.25081	12363.43
47190_7190	47190	7190	74.51194	109.1449	-0.11419	0.38325	1.250813	-12363.4
47190_7191	47190	7191	-74.5119	-73.1758	0.114188	-0.38325	0.0105	13366.21
47191_7191	47191	7191	74.51194	73.17581	-0.11419	0.38325	-0.0105	-13366.2
47191_7192	47191	7192	-74.5119	-37.2068	0.114188	-0.38325	1.271813	13973.32
47192_7192	47192	7192	74.51063	-11.6064	0.040688	0.128625	-1.27181	-13973.3
47192_7193	47192	7193	-74.5106	44.24044	-0.04069	-0.12863	0.861	13694.61
47193_7193	47193	7193	74.51063	-44.2404	0.040688	0.060375	-0.861	-13694.6

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47193_7194	47193	7194	-74.5106	76.90725	-0.04069	-0.06038	0.452812	13089.47
47194_7194	47194	7194	74.51063	-120.75	0.137813	5.708063	-0.45281	-13089.5
47194_7195	47194	7195	-74.5106	153.4168	-0.13781	-5.70806	-0.91875	11720.05
47195_7195	47195	7195	74.51063	-153.417	0.063	-6.02306	0.91875	-11720
47195_7196	47195	7196	-74.5106	186.0823	-0.063	6.023063	-1.54481	10024.23
47196_7196	47196	7196	74.51063	-234.721	0.124688	-0.41869	1.544813	-10024.2
47196_7197	47196	7197	-74.5106	270.6913	-0.12469	0.418688	-2.91769	7244.413
47197_7197	47197	7197	74.51063	-270.691	0.124688	-0.41869	2.917688	-7244.41
47197_7198	47197	7198	-74.5106	306.6604	-0.12469	0.418688	-4.28925	4068.938
47198_7198	47198	7198	74.51194	-360.976	-0.03281	-0.91875	4.28925	-4068.96
47198_7199	47198	7199	-74.5119	405.9051	0.032813	0.91875	-3.84825	-1235.59
47199_7199	47199	7199	79.20938	-405.014	-0.105	0.174563	3.849563	1213.501
47199_7200	47199	7200	-79.5309	432.7798	0.105	-0.17456	-2.98594	-4773.28
47200_7200	47200	7200	90.90638	-489.164	-0.66938	3.195938	3.09225	-4773.341
47200_7201	47200	7201	-92.2412	529.0858	0.669375	-3.19594	4.77225	-10937.9
47201_7201	47201	7201	109.6449	-536.452	-0.105	-6.447	0.6825	11888.5
47201_7202	47201	7202	-112.929	589.6131	0.105	6.447	0.7035	-19394.9
47202_7202	47202	7202	135.5104	-652.147	-0.72975	9.942188	0.590625	19394.81
47202_7203	47202	7203	-140.233	704.508	0.72975	-9.94219	8.56275	-27800.7
47203_7203	47203	7203	159.6761	-700.358	-0.66806	-11.6931	-10.8688	27800.73
47203_7204	47203	7204	-166.215	755.6811	0.668063	11.69306	19.27931	-37052.5
47204_7204	47204	7204	-3069.19	346.9358	-9.6705	2.70375	245.259	10829.69
47204_7205	47204	7205	3069.193	-310.364	9.6705	-2.70375	-153.389	-7600.25
47205_7205	47205	7205	-3069.18	310.3643	-13.3179	-4.69613	153.3893	7224.018
47205_7206	47205	7206	3069.179	-282.474	13.31794	4.696125	-50.1729	-4926.72
47206_7206	47206	7206	-3069.19	282.4736	-9.35813	1.660313	50.17294	4926.725
47206_7207	47206	7207	3069.193	-254.584	9.358125	-1.66031	22.35056	-2845.6
47207_7207	47207	7207	-3069.27	188.1548	-1.84669	0.066938	-22.3506	2845.588
47207_7208	47207	7208	3069.271	-159.365	1.846688	-0.06694	37.12931	-1455.49
47208_7208	47208	7208	-3069.27	159.3651	-1.84669	0.066938	-37.1293	1455.488
47208_7209	47208	7209	3069.271	-130.575	1.846688	-0.06694	51.90806	-295.709
47209_7209	47209	7209	-3069.27	130.5754	-5.68444	-0.30319	-51.9081	295.7089
47209_7210	47209	7210	3069.266	-101.786	5.684438	0.303188	97.37963	633.7551
47210_7210	47210	7210	-3069.29	36.03075	0.228375	-0.44231	-97.3796	-633.734
47210_7211	47210	7211	3069.294	-14.4388	-0.22838	0.442313	96.012	785.1467
47211_7211	47211	7211	-3069.29	14.43881	0.228375	-0.44231	-96.012	-785.147
47211_7212	47211	7212	3069.294	7.153125	-0.22838	0.442313	94.64438	807.0051
47212_7212	47212	7212	-3069.29	-7.15313	-4.88775	0.903	-94.6444	-807.004
47212_7213	47212	7213	3069.29	28.74638	4.88775	-0.903	123.9696	699.3053
47213_7213	47213	7213	-3069.29	-28.7464	0.228375	-0.2625	-123.97	-699.305
47213_7214	47213	7214	3069.294	50.33831	-0.22838	0.2625	122.6019	462.0512
47214_7214	47214	7214	-3069.33	-117.082	3.252375	0.707438	-122.602	-462.028
47214_7215	47214	7215	3069.33	145.8713	-3.25238	-0.70744	96.58163	-589.801
47215_7215	47215	7215	-3069.33	-145.871	3.252375	0.707438	-96.5816	589.8008
47215_7216	47215	7216	3069.33	174.6609	-3.25238	-0.70744	70.56131	-1871.95
47216_7216	47216	7216	-3069.33	-174.661	-0.58406	-1.63275	-70.5613	1871.948
47216_7217	47216	7217	3069.331	203.4519	0.584063	1.63275	75.23381	-3384.43
47217_7217	47217	7217	-3069.4	-270.939	8.64675	-26.0124	-75.2338	3384.112
47217_7218	47217	7218	3069.395	298.8287	-8.64675	26.01244	8.217563	-5591.99
47218_7218	47218	7218	-3069.4	-298.829	8.64675	-26.0124	-8.21756	5591.994
47218_7219	47218	7219	3069.395	326.7193	-8.64675	26.01244	-58.7974	-8016.03
47219_7219	47219	7219	-3069.18	-326.719	37.4115	53.69831	58.79738	8392.15
47219_7220	47219	7220	3069.179	363.2908	-37.4115	-53.6983	-414.212	-11669.7
47220_7220	47220	7220	146.0183	716.6198	1.870313	-46.7316	-26.9798	37931.1
47220_7221	47220	7221	-139.479	-661.335	-1.87031	46.73156	3.457125	-29268.3
47221_7221	47221	7221	121.0663	664.9532	1.676063	46.28138	-13.1329	29268.31
47221_7222	47221	7222	-116.343	-612.583	-1.67606	-46.2814	-7.90781	-21465.1
47222_7222	47222	7222	95.43319	559.335	-2.85731	-3.6225	12.28106	21467.13
47222_7223	47222	7223	-92.1493	-506.16	2.857313	3.6225	25.65938	-14324.4

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47223_7223	47223	7223	88.66594	386.0364	1.162875	-1.29413	-17.3604	-1960.79
47223_7224	47223	7224	-87.2616	-344.054	-1.16288	1.294125	3.689438	6479.42
47224_7224	47224	7224	79.00594	283.542	0.737625	17.71219	-3.93488	-6480.45
47224_7225	47224	7225	-78.6673	-254.301	-0.73763	-17.7122	-2.15381	8450.811
47225_7225	47225	7225	75.71944	255.1946	0.460688	-13.3048	2.359875	-8440.26
47225_7226	47225	7226	-75.7194	-200.259	-0.46069	13.30481	-9.25575	11848.88
47226_7226	47226	7226	75.726	137.4293	0.752063	23.18006	9.25575	-11849.6
47226_7227	47226	7227	-75.726	-94.7901	-0.75206	-23.1801	-17.9865	13198.5
47227_7227	47227	7227	75.72863	94.79006	0.48825	-22.6774	17.9865	-13198.5
47227_7228	47227	7228	-75.7286	-52.1811	-0.48825	22.67738	-23.6552	14051.6
47228_7228	47228	7228	75.72863	-8.19919	0.652313	29.10994	23.65519	-14051.2
47228_7229	47228	7229	-75.7286	50.81213	-0.65231	-29.1099	-31.2349	13708.68
47229_7229	47229	7229	75.72994	-50.8121	0.326813	-29.862	31.23488	-13708.7
47229_7230	47229	7230	-75.7299	93.43294	-0.32681	29.862	-35.0319	12871.15
47230_7230	47230	7230	75.71025	-155.413	1.424063	20.86481	35.03194	-12869.7
47230_7231	47230	7231	-75.7103	199.878	-1.42406	-20.8648	-52.2913	10717.56
47231_7231	47231	7231	75.7155	-199.878	1.115625	-22.8309	52.29131	-10717.6
47231_7232	47231	7232	-75.7155	244.3875	-1.11563	22.83094	-65.8258	8023.654
47232_7232	47232	7232	75.71944	-312.403	0.589313	15.95344	65.82581	-8022.78
47232_7233	47232	7233	-75.7194	323.652	-0.58931	-15.9534	-67.6331	7048.116
47233_7233	47233	7233	78.50063	-322.988	0.469875	4.219688	67.6725	-7048.13
47233_7234	47233	7234	-78.6923	345.3135	-0.46988	-4.21969	-70.4734	5208.336
47234_7234	47234	7234	84.12075	-344.031	0.364875	-3.94275	70.35919	-5208.34
47234_7235	47234	7235	-84.8886	375.5824	-0.36487	3.94275	-73.4147	2079.948
47235_7235	47235	7235	90.57431	-374.252	0.2415	-8.37375	73.21519	-2079.94
47235_7236	47235	7236	-91.4222	395.7135	-0.2415	8.37375	-74.5789	-142.967
47236_7236	47236	7236	101.3604	-451.265	-1.80863	-8.14931	74.50406	137.5787
47236_7237	47236	7237	-104.193	499.947	1.808625	8.149313	-55.0856	-5295.42
47237_7237	47237	7237	103.3003	-521.412	-3.33638	5.796	191.856	8587.777
47237_7238	47237	7238	-106.971	567.0958	3.336375	-5.796	-160.087	-13820.6
47238_7238	47238	7238	122.4326	-605.723	7.624313	-33.1721	156.5629	13817.7
47238_7239	47238	7239	-127.155	652.3624	-7.62431	33.17213	-228.467	-19611.8
47239_7239	47239	7239	126.7521	-652.444	7.458938	20.18231	233.8416	19611.76
47239_7240	47239	7240	-132.153	706.1394	-7.45894	-20.1823	-311.933	-26721.9
47240_7240	47240	7240	-2851.33	377.0865	-83.9278	-6.68325	1650.108	6445.673
47240_7241	47240	7241	2851.329	-341.986	83.92781	6.68325	-1001.26	-3666.08
47241_7241	47241	7241	-2851.6	341.9863	-74.1641	5.870813	1001.256	3666.08
47241_7242	47241	7242	2851.599	-303.715	74.16413	-5.87081	-366.751	-903.931
47242_7242	47242	7242	-2851.75	303.7151	-68.2448	7.746375	366.7506	903.9161
47242_7243	47242	7243	2851.748	-267.008	68.24475	-7.74638	193.2551	1437.703
47243_7243	47243	7243	-2853.75	199.5879	-22.0631	4.14225	-193.255	-1437.71
47243_7244	47243	7244	2853.746	-154.256	22.06313	-4.14225	416.85	3230.651
47244_7244	47244	7244	-2853.79	154.2555	-15.2946	-3.52013	-416.85	-3230.65
47244_7245	47244	7245	2853.791	-111.787	15.29456	3.520125	562.0545	4493.528
47245_7245	47245	7245	-2853.32	53.91356	-17.0533	6.314438	-562.055	-4492.39
47245_7246	47245	7246	2853.323	-7.65975	17.05331	-6.31444	738.3941	4810.73
47246_7246	47246	7246	-2853.36	7.65975	-9.80831	-5.901	-738.394	-4810.73
47246_7247	47246	7247	2853.357	33.84413	9.808313	5.901	829.4003	4689.259
47247_7247	47247	7247	-2853.39	-99.7736	-3.37706	8.379	-829.4	-4688.42
47247_7248	47247	7248	2853.386	141.7789	3.377063	-8.379	861.1116	3554.289
47248_7248	47248	7248	-2853.38	-141.779	8.233313	-6.08475	-861.112	-3554.29
47248_7249	47248	7249	2853.375	187.5759	-8.23331	6.08475	776.8136	1868.327
47249_7249	47249	7249	-2853.85	-248.278	32.85188	-0.12469	-776.814	-1867.92
47249_7250	47249	7250	2853.851	292.9618	-32.8519	0.124688	448.6479	-835.349
47250_7250	47250	7250	-2853.75	-292.962	40.47619	2.107875	-448.648	835.3459
47250_7251	47250	7251	2853.754	336.0407	-40.4762	-2.10788	58.85906	-3863.99
47251_7251	47251	7251	-2852.19	-397.583	-15.8222	-66.9874	-58.8591	3862.136
47251_7252	47251	7252	2852.194	432.2561	15.82219	66.98738	181.5056	-7078.34
47252_7252	47252	7252	-2852.23	-432.256	-3.72356	-36.9613	-181.506	7078.558

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47252_7253	47252	7253	2852.234	475.3652	3.723563	36.96131	216.8631	-11501.3
47253_7253	47253	7253	80.19769	665.4638	-62.3503	131.7947	28.21744	31718.85
47253_7254	47253	7254	-75.5987	-627.97	62.35031	-131.795	427.4104	-26946.4
47254_7254	47254	7254	53.08931	552.5638	37.77506	-21.1208	-408.147	26941.73
47254_7255	47254	7255	-47.2159	-494.891	-37.7751	21.12075	-31.6706	-20991.2
47255_7255	47255	7255	35.61731	495.8612	37.78294	26.76188	27.36825	20991.2
47255_7256	47255	7256	-31.8596	-447.704	-37.7829	-26.7619	-407.711	-16306.5
47256_7256	47256	7256	20.40806	402.2406	-16.3052	-19.4552	410.3177	16305.51
47256_7257	47256	7257	-17.9169	-358.339	16.30519	19.45519	-257.037	-12746.5
47257_7257	47257	7257	11.15363	358.6131	-16.2999	2.270625	255.6199	12746.53
47257_7258	47257	7258	-10.0879	-330.518	16.29994	-2.27063	-139.126	-10185.5
47258_7258	47258	7258	5.69625	330.6227	-16.296	12.31781	138.8507	10185.53
47258_7259	47258	7259	-5.20538	-310.704	16.296	-12.3178	-55.7484	-8484.97
47259_7259	47259	7259	87.80756	302.4643	2.117063	21.5145	-12.2049	-5981.51
47259_7260	47259	7260	-87.4755	-271.197	-2.11706	-21.5145	-4.22888	7977.218
47260_7260	47260	7260	84.59325	272.1114	1.861125	-2.268	4.45725	-7998.68
47260_7261	47260	7261	-84.5933	-237.692	-1.86113	2.268	-20.6089	10211.23
47261_7261	47261	7261	84.59456	237.6924	1.765313	-13.8482	20.60888	-10211.2
47261_7262	47261	7262	-84.5946	-205.746	-1.76531	13.84819	-34.8285	11997.41
47262_7262	47262	7262	84.59981	127.4608	0.91875	15.55706	34.8285	-11997.6
47262_7263	47262	7263	-84.5998	-81.5351	-0.91875	-15.5571	-45.4703	13207.88
47263_7263	47263	7263	84.60113	81.53513	0.738938	-12.5816	45.47025	-13207.9
47263_7264	47263	7264	-84.6011	-36.0373	-0.73894	12.58163	-53.9451	13882.39
47264_7264	47264	7264	84.61688	-33.5304	1.596	24.28519	53.94506	-13883.3
47264_7265	47264	7265	-84.6169	79.97588	-1.596	-24.2852	-72.6456	13218.58
47265_7265	47265	7265	84.62213	-79.9759	1.288875	-23.8035	72.64556	-13218.6
47265_7266	47265	7266	-84.6221	124.9631	-1.28888	23.8035	-87.2668	12056.09
47266_7266	47266	7266	84.62081	-197.82	0.727125	13.97944	87.26681	-12057.2
47266_7267	47266	7267	-84.6208	243.3073	-0.72713	-13.9794	-95.6104	9527.129
47267_7267	47267	7267	84.62213	-243.307	0.471188	-14.8247	95.61038	-9527.13
47267_7268	47267	7268	-84.6221	289.2146	-0.47119	14.82469	-101.07	6444.634
47268_7268	47268	7268	84.80456	-369.357	7.884188	13.55813	101.0704	-6445.84
47268_7269	47268	7269	-84.8046	385.2004	-7.88419	-13.5581	-132.569	5185.42
47269_7269	47269	7269	89.71463	-384.091	7.676813	-2.163	132.5533	-5162.87
47269_7270	47269	7270	-90.2462	425.9325	-7.67681	2.163	-207.514	1010.294
47270_7270	47270	7270	99.582	-423.851	7.452375	-9.25575	207.3291	-1010.29
47270_7271	47270	7271	-101.118	468.1609	-7.45238	9.25575	-283.713	-3789.43
47271_7271	47271	7271	116.9385	-549.637	-16.5349	-25.4927	282.8529	3801.109
47271_7272	47271	7272	-120.536	610.5107	16.53488	25.49269	-79.7121	-11067.3
47272_7272	47272	7272	136.7966	-607.064	-16.8879	17.19769	82.85681	11067.27
47272_7273	47272	7273	-142.308	671.0996	16.88794	-17.1977	128.0843	-19099.4
47273_7273	47273	7273	159.7103	-693.042	30.09038	-53.8493	-135.513	19103.07
47273_7274	47273	7274	-162.831	722.5063	-30.0904	53.84925	-32.277	-23128.4
47274_7274	47274	7274	173.5086	-720.026	29.88825	-1.33481	37.884	23128.45
47274_7275	47274	7275	-178.79	763.7451	-29.8883	1.334813	-278.473	-28645.8
47275_7275	47275	7275	-2729.24	191.6434	34.78388	34.65919	796.9684	4176.656
47275_7276	47275	7276	2729.239	-165.284	-34.7839	-34.6592	-988.255	-3195.24
47276_7276	47276	7276	-4289.51	484.5606	-85.8913	-29.9093	1288.711	16371.9
47276_7277	47276	7277	4289.506	-465.23	85.89131	29.90925	-945.297	-14473.2
47277_7277	47277	7277	-4289.65	465.2301	-78.5623	-12.0763	945.2966	14849.6
47277_7278	47277	7278	4289.646	-419.471	78.56231	12.07631	-149.415	-10368.4
47278_7278	47278	7278	-4289.86	419.4711	-66.2288	17.7345	149.415	10368.34
47278_7279	47278	7279	4289.855	-377.818	66.22875	-17.7345	461.3228	-6692.2
47279_7279	47279	7279	-4289.39	288.0544	-26.0479	-8.91975	-461.323	6693.086
47279_7280	47279	7280	4289.394	-235.319	26.04788	8.91975	765.4329	-3637.9
47280_7280	47280	7280	-4289.47	235.3194	-8.12438	6.281625	-765.433	3637.91
47280_7281	47280	7281	4289.465	-180.293	8.124375	-6.28163	864.4046	-1106.39
47281_7281	47281	7281	-4289.67	108.7026	-3.21431	-0.68513	-864.405	1106.449
47281_7282	47281	7282	4289.674	-61.0772	3.214313	0.685125	904.2351	-54.3782

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47282_7282	47282	7282	-4289.66	61.07719	8.911875	-0.53156	-904.235	54.3795
47282_7283	47282	7283	4289.665	-17.0244	-8.91188	0.531563	802.0714	393.2775
47283_7283	47283	7283	-4290.32	-91.8776	-8.80688	-2.47538	-802.071	-393.506
47283_7284	47283	7284	4290.318	133.0193	8.806875	2.475375	896.364	-810.381
47284_7284	47284	7284	-4290.32	-133.019	8.627063	0.817688	-896.364	810.3848
47284_7285	47284	7285	4290.318	170.3546	-8.62706	-0.81769	812.5425	-2284.11
47285_7285	47285	7285	-4290.74	-254.59	128.3861	-14.9166	-812.543	2283.934
47285_7286	47285	7286	4290.741	285.9872	-128.386	14.91656	-236.404	-4492.25
47286_7286	47286	7286	-4290.52	-285.987	135.7204	-7.23713	236.4036	4492.264
47286_7287	47286	7287	4290.515	314.2178	-135.72	7.237125	-1233.48	-6696.98
47287_7287	47287	7287	-4290.2	-314.218	145.2675	-5.082	1233.482	6320.513
47287_7288	47287	7288	4290.203	347.5592	-145.268	5.082	-2397.57	-9061.78
47288_7288	47288	7288	141.5741	1126.721	-26.9889	-38.0481	430.6352	44793.55
47288_7289	47288	7289	-135.764	-1066.19	26.98894	38.04806	-87.4952	-31021.4
47289_7289	47289	7289	118.9453	1068.191	-27.0992	61.24388	78.81694	31021.36
47289_7290	47289	7290	-114.911	-1017.87	27.09919	-61.2439	220.4711	-19273.5
47290_7290	47290	7290	86.23256	927.1185	7.05075	-15.5479	-214.335	19276.8
47290_7291	47290	7291	-84.3911	-894.425	-7.05075	15.54788	162.3287	-12546.2
47291_7291	47291	7291	66.2025	895.9558	7.01925	-1.33088	-163.003	12546.2
47291_7292	47291	7292	-64.8362	-857.954	-7.01925	1.330875	101.8448	-4767.95
47292_7292	47292	7292	49.37756	858.984	6.8775	20.28469	-102.207	4764.368
47292_7293	47292	7293	-49.0875	-842.844	-6.8775	-20.2847	72.83588	-975.552
47293_7293	47293	7293	37.36688	775.0628	-1.55269	12.05006	-72.5169	975.7701
47293_7294	47293	7294	-37.2422	-748.149	1.552688	-12.0501	83.59969	4895.6
47294_7294	47294	7294	33.789	748.3127	-1.61438	4.066125	-83.5433	-4895.62
47294_7295	47294	7295	-33.789	-715.928	1.614375	-4.06613	97.42556	10826.19
47295_7295	47295	7295	33.78506	715.9281	-1.69181	-20.7401	-97.4256	-10826.2
47295_7296	47295	7296	-33.7851	-685.17	1.691813	20.74013	109.3614	15766.75
47296_7296	47296	7296	4.27875	648.3501	3.148688	26.09644	-32.5723	-8833.25
47296_7297	47296	7297	-4.27875	-600.612	-3.14869	-26.0964	-2.01469	15694.21
47297_7297	47297	7297	4.286625	600.6118	3.136875	-15.2394	2.014688	-15694.2
47297_7298	47297	7298	-4.28663	-551.106	-3.13688	15.23944	-37.7541	22255.36
47298_7298	47298	7298	4.239375	457.1083	-0.03019	57.78281	37.75406	-22257.9
47298_7299	47298	7299	-4.23938	-408.321	0.030188	-57.7828	-37.4168	27116.48
47299_7299	47299	7299	4.239375	408.3214	-0.04594	-41.2125	37.41675	-27116.5
47299_7300	47299	7300	-4.23938	-353.551	0.045938	41.2125	-36.8419	31918.3
47300_7300	47300	7300	4.228875	265.8416	-0.66413	59.808	36.84188	-31921.9
47300_7301	47300	7301	-4.22888	-212.897	0.664125	-59.808	-28.7516	34838.71
47301_7301	47301	7301	4.22625	212.8967	-0.67725	-53.2901	28.75163	-34838.7
47301_7302	47301	7302	-4.22625	-162.28	0.67725	53.29013	-20.8569	37023.94
47302_7302	47302	7302	4.235438	73.37531	-0.03806	68.27363	20.85694	-37027.6
47302_7303	47302	7303	-4.23544	-17.8382	0.038063	-68.2736	-20.3713	37610.53
47303_7303	47303	7303	4.235438	17.83819	-0.05381	-72.0628	20.37131	-37610.5
47303_7304	47303	7304	-4.23544	30.17569	0.053813	72.06281	-19.7768	37542.36
47304_7304	47304	7304	4.232813	-121.089	-0.19688	66.72356	19.77675	-37546.6
47304_7305	47304	7305	-4.23281	171.2944	0.196875	-66.7236	-17.5061	35857.39
47305_7305	47305	7305	4.2315	-171.294	-0.21131	-60.6139	17.50613	-35857.4
47305_7306	47305	7306	-4.2315	224.6003	0.211313	60.61388	-14.91	33428.96
47306_7306	47306	7306	4.248563	-321.817	0.85575	57.7185	14.91	-33432.2
47306_7307	47306	7307	-4.24856	373.4601	-0.85575	-57.7185	-25.074	29300.37
47307_7307	47307	7307	4.251188	-373.46	0.838688	-59.5219	25.074	-29300.4
47307_7308	47307	7308	-4.25119	425.3379	-0.83869	59.52188	-35.0818	24531.75
47308_7308	47308	7308	4.270875	-540.099	2.208938	34.27594	35.08181	-24533.7
47308_7309	47308	7309	-4.27088	592.2433	-2.20894	-34.2759	-61.5838	17739.24
47309_7309	47309	7309	4.280063	-592.243	2.190563	-40.5864	61.58381	-17739.2
47309_7310	47309	7310	-4.28006	643.5923	-2.19056	40.58644	-87.4676	10436.95
47310_7310	47310	7310	4.159313	-751.93	-6.53888	-3.61594	87.46763	-10437.6
47310_7311	47310	7311	-4.15931	810.0514	6.538875	3.615938	0	-9.20194

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1	2	3	4	5	6	7	8	9
7000_7000	7000	7000	1.35765	170.5977	1.469475	1.318275	0	1.5876
7000_7001	7000	7001	141.2381	-160.51	-1.46948	-1.31828	-15.4397	1079.108
7001_7001	7001	7001	-141.238	160.5098	1.469475	1.31985	15.43973	-1079.11
7001_7002	7001	7002	261.4043	-151.488	-1.46948	-1.31985	-29.2462	1989.828
7002_7002	7002	7002	-261.444	126.9104	-1.35765	1.573425	29.24618	-1989.84
7002_7003	7002	7003	381.643	-115.285	1.35765	-1.57343	-12.8189	2900.804
7003_7003	7003	7003	-381.649	115.2853	-1.35765	0.971775	12.81893	-2900.81
7003_7004	7003	7004	490.381	-103.651	1.35765	-0.97178	3.62565	3724.869
7004_7004	7004	7004	-490.368	80.51715	0.1071	1.721475	-3.62565	-3724.89
7004_7005	7004	7005	564.5036	-68.8952	-0.1071	-1.72148	2.326275	4286.748
7005_7005	7005	7005	-564.504	68.89523	0.1071	0.0504	-2.32628	-4286.76
7005_7006	7005	7006	627.1398	-57.2654	-0.1071	-0.0504	1.0332	4761.46
7006_7006	7006	7006	-627.143	37.13378	0.12915	1.40175	-1.0332	-4761.48
7006_7007	7006	7007	658.2382	-25.5056	-0.12915	-1.40175	-0.52133	4997.154
7007_7007	7007	7007	-658.238	25.50555	0.127575	-0.54338	0.521325	-4997.16
7007_7008	7007	7008	677.7965	-13.8695	-0.12758	0.543375	-2.0727	5145.388
7008_7008	7008	7008	-677.801	-5.7078	-0.03465	0.9513	2.0727	-5145.41
7008_7009	7008	7009	666.3668	17.33288	0.03465	-0.9513	-1.6506	5058.749
7009_7009	7009	7009	-666.367	-17.3329	-0.03465	-1.01588	1.6506	-5058.75
7009_7010	7009	7010	643.3749	28.96583	0.03465	1.015875	-1.22535	4884.505
7010_7010	7010	7010	-643.38	-48.173	0.133875	0.3591	1.22535	-4884.56
7010_7011	7010	7011	589.7666	59.80433	-0.13388	-0.3591	-2.84288	4478.232
7011_7011	7011	7011	-589.765	-59.8043	0.133875	-1.2789	2.842875	-4478.23
7011_7012	7011	7012	524.6152	71.43255	-0.13388	1.2789	-4.45568	3984.474
7012_7012	7012	7012	-524.623	-91.1594	-0.14963	-0.13545	4.455675	-3984.5
7012_7013	7012	7013	428.3528	102.7861	0.149625	0.13545	-2.64285	3254.893
7013_7013	7013	7013	-428.353	-102.786	-0.14963	-1.40018	2.64285	-3254.89
7013_7014	7013	7014	320.47	114.4206	0.149625	1.400175	-0.82215	2437.267
7014_7014	7014	7014	-320.472	-135.322	0.1134	-0.81743	0.82215	-2437.29
7014_7015	7014	7015	134.8468	150.5338	-0.1134	0.817425	-2.6082	1030.478
7015_7015	7015	7015	-145.703	-149.882	0.077175	-0.59535	1.771875	-1054.16
7015_7016	7015	7016	30.85425	157.7615	-0.07718	0.596925	-2.4066	243.8305
7016_7016	7016	7016	-27.6176	-181.85	-0.27405	-0.54653	2.392425	-243.813
7016_7017	7016	7017	-151.238	192.9596	0.27405	0.524475	0.830025	-1253.2
7017_7017	7017	7017	154.4429	-192.279	-0.27405	-0.33705	-0.83318	1259.329
7017_7018	7017	7018	-306.358	205.5564	0.27405	0.297675	4.474575	-3069.8
7018_7018	7018	7018	312.6296	-230.226	0.36225	-1.20015	-4.59585	3069.74
7018_7019	7018	7019	-416.644	243.4871	-0.36225	1.261575	0.064575	-5194.47
7019_7019	7019	7019	421.9346	-242.194	0.360675	0.3213	0.12285	5194.476
7019_7020	7019	7020	-472.954	256.0367	-0.36068	-0.252	-4.66043	-7575.84
7020_7020	7020	7020	-410.07	93.67155	-1.51673	-0.33075	33.51285	1619.81
7020_7021	7020	7021	485.8245	-84.7602	1.516725	0.33075	-19.1079	-1043.58
7021_7021	7021	7021	-452.844	84.46883	-1.1466	-0.00473	15.03023	882.8127
7021_7022	7021	7022	511.3805	-77.2254	1.1466	0.004725	-6.15195	-490.57
7022_7022	7022	7022	-511.391	77.2254	-1.04423	0.055125	6.15195	490.57
7022_7023	7022	7023	564.6769	-69.982	1.044225	-0.05513	1.93725	-133.521
7023_7023	7023	7023	-564.71	45.91125	-0.22838	-0.08348	-1.93725	133.4797
7023_7024	7023	7024	596.2651	-38.4253	0.228375	0.083475	3.759525	77.95778
7024_7024	7024	7024	-596.265	38.42528	-0.14018	-0.09135	-3.75953	-77.9578
7024_7025	7024	7025	622.1864	-30.9488	0.140175	0.09135	4.877775	251.6441
7025_7025	7025	7025	-622.186	30.94875	-0.14018	-0.09135	-4.87778	-251.644
7025_7026	7025	7026	642.5213	-23.4722	0.140175	0.09135	5.996025	387.8957
7026_7026	7026	7026	-642.526	-0.14963	-0.12443	-0.04095	-5.99603	-387.924
7026_7027	7026	7027	640.8675	5.762925	0.124425	0.04095	6.739425	376.8093
7027_7027	7027	7027	-640.868	-5.76293	-0.1386	-0.03465	-6.73943	-376.809
7027_7028	7027	7028	636.0701	11.36678	0.1386	0.03465	7.5663	344.6604
7028_7028	7028	7028	-636.07	-11.3668	0.007875	-0.0945	-7.5663	-344.659
7028_7029	7028	7029	628.1195	16.98008	-0.00788	0.0945	7.520625	291.3797

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7029_7029	7029	7029	-628.119	-16.9801	0.007875	-0.0945	-7.52063	-291.38
7029_7030	7029	7030	617.0189	22.5918	-0.00788	0.0945	7.47495	217.0019
7030_7030	7030	7030	-617.022	-45.8231	0.0315	-0.0693	-7.47495	-217.01
7030_7031	7030	7031	580.0016	53.29643	-0.0315	0.0693	7.22925	-31.0511
7031_7031	7031	7031	-580.002	-53.2964	0.04095	-0.0693	-7.22925	31.05113
7031_7032	7031	7032	537.3428	60.77925	-0.04095	0.0693	6.900075	-316.895
7032_7032	7032	7032	-537.341	-60.7793	0.140175	-0.0315	-6.90008	316.8963
7032_7033	7032	7033	489.0926	68.2605	-0.14018	0.0315	5.781825	-640.195
7033_7033	7033	7033	-489.071	-92.5911	0.5418	-0.0945	-5.78183	640.2123
7033_7034	7033	7034	419.3942	99.8361	-0.5418	0.0945	1.5876	-1107.1
7034_7034	7034	7034	-419.399	-99.8361	0.439425	-0.22995	-1.5876	1107.093
7034_7035	7034	7035	344.4651	107.0811	-0.43943	0.22995	-1.81598	-1609.2
7035_7035	7035	7035	-384.442	-107.492	0.776475	0.222075	2.382975	1804.281
7035_7036	7035	7036	289.8866	116.4051	-0.77648	-0.22208	-9.7524	-2514.21
7036_7036	7036	7036	550.19	221.0985	-0.0945	-0.3276	-1.23008	8739.42
7036_7037	7036	7037	-540.031	-206.963	0.0945	0.344925	2.427075	-6691.72
7037_7037	7037	7037	535.4575	208.697	-0.09608	0.46305	-2.5137	6691.713
7037_7038	7037	7038	-484.971	-195.062	0.096075	-0.4473	3.72645	-4769.46
7038_7038	7038	7038	479.3875	171.5648	-0.1134	-0.29295	-3.64613	4769.581
7038_7039	7038	7039	-393.43	-157.93	0.1134	0.3087	5.1534	-3205.28
7039_7039	7039	7039	392.5499	159.7617	-0.11813	0.587475	-5.19593	3190.255
7039_7040	7039	7040	-269.364	-148.614	0.118125	-0.57803	6.575625	-1971.74
7040_7040	7040	7040	266.7011	125.0377	0.303975	0.0756	-6.54413	1971.824
7040_7041	7040	7041	-182.998	-117.385	-0.30398	-0.0819	4.036725	-1313.05
7041_7041	7041	7041	198.8831	117.0194	0.14175	0.231525	-1.9026	1224.209
7041_7042	7041	7042	-30.2054	-102.87	-0.14175	-0.23153	-0.28508	-122.784
7042_7042	7042	7042	30.20063	82.75523	-0.0315	0.193725	0.285075	122.7823
7042_7043	7042	7043	61.2801	-71.8389	0.0315	-0.19373	0.0882	431.1326
7043_7043	7043	7043	-61.2817	71.8389	-0.03308	0.130725	-0.0882	-431.136
7043_7044	7043	7044	139.8317	-60.9257	0.033075	-0.13073	0.4788	906.7622
7044_7044	7044	7044	-139.829	42.06038	0.0189	0.124425	-0.4788	-906.759
7044_7045	7044	7045	183.1709	-31.1378	-0.0189	-0.12443	0.247275	1169.193
7045_7045	7045	7045	-183.171	31.13775	0.0189	0.04725	-0.24728	-1169.19
7045_7046	7045	7046	213.5558	-20.2262	-0.0189	-0.04725	0.0252	1353.179
7046_7046	7046	7046	-213.556	1.771875	0.00315	0.08505	-0.0252	-1353.17
7046_7047	7046	7047	209.1899	9.1476	-0.00315	-0.08505	-0.01575	1326.739
7047_7047	7047	7047	-209.19	-9.1476	0.001575	-0.1071	0.01575	-1326.74
7047_7048	7047	7048	191.8996	20.0655	-0.00158	0.1071	-0.03938	1222.044
7048_7048	7048	7048	-191.9	-38.8096	-0.03938	-0.05985	0.039375	-1222.04
7048_7049	7048	7049	139.5009	49.7259	0.039375	0.05985	0.4221	904.7619
7049_7049	7049	7049	-139.501	-49.7259	-0.03938	-0.12443	-0.4221	-904.76
7049_7050	7049	7050	74.1825	60.6438	0.039375	0.124425	0.89145	509.2621
7050_7050	7050	7050	-74.1778	-80.1124	0.007875	-0.16853	-0.89145	-509.254
7050_7051	7050	7051	-59.5397	94.25903	-0.00788	0.168525	0.77175	-345.472
7051_7051	7051	7051	58.27973	-94.3409	0.007875	-0.15908	-0.90405	357.1839
7051_7052	7051	7052	-132.138	101.9198	-0.00788	0.159075	0.8442	-866.641
7052_7052	7052	7052	134.3869	-125.017	-0.06615	-0.40635	-0.85523	866.6091
7052_7053	7052	7053	-254.254	135.8627	0.06615	0.40005	1.639575	-1858.48
7053_7053	7053	7053	237.3982	-135.707	-0.0945	0.114975	-2.22548	1964.71
7053_7054	7053	7054	-324.604	148.4705	0.0945	-0.12915	3.479175	-3305.69
7054_7054	7054	7054	329.6192	-171.39	0.165375	-0.92295	-3.55635	3305.644
7054_7055	7054	7055	-389.948	184.023	-0.16538	0.952875	1.475775	-4924.83
7055_7055	7055	7055	393.9674	-182.476	0.1638	0.502425	-1.37025	4924.838
7055_7056	7055	7056	-419.063	195.5693	-0.1638	-0.46935	-0.6867	-6759.52
7056_7056	7056	7056	-299.086	105.5518	-0.79065	-0.18113	13.81118	1804.022
7056_7057	7056	7057	381.9391	-96.957	0.79065	0.181125	-6.29685	-1156.57
7057_7057	7057	7057	-378.499	96.94283	-0.64418	0.1134	5.67315	1132.496
7057_7058	7057	7058	440.9449	-89.9357	0.644175	-0.1134	-0.68355	-658.033
7058_7058	7058	7058	-440.953	89.93565	-0.567	0.272475	0.68355	658.0319

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7058_7059	7058	7059	498.7112	-82.9301	0.567	-0.27248	3.71385	-219.19
7059_7059	7059	7059	-498.695	59.29718	-0.11813	0.064575	-3.71385	219.2164
7059_7060	7059	7060	537.0624	-52.0727	0.118125	-0.06458	4.65885	72.29408
7060_7060	7060	7060	-537.064	52.07265	-0.03938	0.045675	-4.65885	-72.2941
7060_7061	7060	7061	570.4886	-44.8403	0.039375	-0.04568	4.96755	326.2581
7061_7061	7061	7061	-570.489	44.84025	0.036225	-0.02993	-4.96755	-326.258
7061_7062	7061	7062	598.9237	-37.6079	-0.03623	0.029925	4.68405	542.2977
7062_7062	7062	7062	-598.927	15.1578	-0.04725	0.165375	-4.68405	-542.339
7062_7063	7062	7063	605.3702	-9.73035	0.04725	-0.16538	4.972275	591.2897
7063_7063	7063	7063	-605.37	9.73035	0.0504	-0.01733	-4.97228	-591.291
7063_7064	7063	7064	609.0021	-4.30133	-0.0504	0.017325	4.666725	618.8868
7064_7064	7064	7064	-609.002	4.301325	0.0441	-0.00473	-4.66673	-618.887
7064_7065	7064	7065	609.8258	1.116675	-0.0441	0.004725	4.402125	625.1396
7065_7065	7065	7065	-609.826	-1.11668	0.0504	-0.01733	-4.40213	-625.14
7065_7066	7065	7066	607.8429	6.544125	-0.0504	0.017325	4.096575	610.0715
7066_7066	7066	7066	-607.841	-29.1249	0.099225	0.0378	-4.09658	-610.051
7066_7067	7066	7067	585.2653	36.35573	-0.09923	-0.0378	3.302775	438.5131
7067_7067	7067	7067	-585.265	-36.3557	0.099225	0.0378	-3.30278	-438.513
7067_7068	7067	7068	557.7028	43.58498	-0.09923	-0.0378	2.508975	229.0964
7068_7068	7068	7068	-557.703	-43.585	0.10395	0.03465	-2.50898	-229.096
7068_7069	7068	7069	525.1113	50.82525	-0.10395	-0.03465	1.6758	-18.533
7069_7069	7069	7069	-525.061	-74.1683	0.590625	-0.07875	-1.6758	18.58028
7069_7070	7069	7070	473.1867	81.17078	-0.59063	0.07875	-2.90115	-412.719
7070_7070	7070	7070	-473.179	-81.1708	0.6678	0.020475	2.90115	412.7193
7070_7071	7070	7071	416.6316	88.17323	-0.6678	-0.02048	-8.07188	-842.359
7071_7071	7071	7071	-423.11	-88.2425	0.79065	0.11025	9.47205	882
7071_7072	7071	7072	348.1333	96.8373	-0.79065	-0.11025	-16.9769	-1474.29
7072_7072	7072	7072	397.6686	204.5689	-0.16223	0.10395	3.762675	6393.631
7072_7073	7072	7073	-361.648	-191.566	0.162225	-0.07088	-1.73093	-4486.54
7073_7073	7073	7073	357.4368	193.2037	-0.1638	0.669375	1.68525	4486.535
7073_7074	7073	7074	-283.185	-180.665	0.1638	-0.64103	0.36225	-2765.24
7074_7074	7074	7074	277.9544	156.8149	0.014175	0.19215	-0.32603	2765.307
7074_7075	7074	7075	-174.66	-144.139	-0.01418	-0.19373	0.130725	-1383.03
7075_7075	7075	7075	185.0373	144.2527	0.007875	0.366975	-0.09923	1310.301
7075_7076	7075	7076	-50.7481	-134.01	-0.00788	-0.36855	0.00315	-236.187
7076_7076	7076	7076	48.384	112.255	0.099225	0.281925	0.0063	236.1866
7076_7077	7076	7077	34.9587	-105.054	-0.09923	-0.2835	-0.82845	331.4021
7077_7077	7077	7077	-32.2466	105.7597	0.140175	0.41895	1.19385	-339.784
7077_7078	7077	7078	152.9246	-93.4511	-0.14018	-0.41895	-3.16103	1214.627
7078_7078	7078	7078	-152.928	76.47098	-0.0441	0.499275	3.161025	-1214.63
7078_7079	7078	7079	222.3396	-66.6131	0.0441	-0.49928	-2.66333	1717.819
7079_7079	7079	7079	-222.34	66.61305	-0.04568	0.240975	2.663325	-1717.82
7079_7080	7079	7080	282.1361	-56.7662	0.045675	-0.24098	-2.14673	2151.305
7080_7080	7080	7080	-282.139	39.98768	-0.0378	0.398475	2.146725	-2151.32
7080_7081	7080	7081	316.123	-30.1408	0.0378	-0.39848	-1.71675	2397.692
7081_7081	7081	7081	-316.125	30.14078	-0.04095	-0.00473	1.71675	-2397.69
7081_7082	7081	7082	340.5827	-20.286	0.04095	0.004725	-1.26473	2574.996
7082_7082	7082	7082	-340.584	2.975175	0.001575	0.2016	1.264725	-2575.01
7082_7083	7082	7083	338.1683	7.611975	-0.00158	-0.2016	-1.28678	2557.502
7083_7083	7083	7083	-338.168	-7.61198	0	-0.17955	1.286775	-2557.5
7083_7084	7083	7084	324.7225	18.19755	0	0.17955	-1.28835	2460.027
7084_7084	7084	7084	-324.724	-35.3666	-0.00788	-0.0315	1.28835	-2460.04
7084_7085	7084	7085	285.6436	45.21983	0.007875	0.0315	-1.20173	2176.74
7085_7085	7085	7085	-285.644	-45.2198	-0.00945	-0.36383	1.201725	-2176.74
7085_7086	7085	7086	237.058	55.06515	0.00945	0.363825	-1.09305	1824.519
7086_7086	7086	7086	-237.056	-71.5649	-0.07718	-0.14648	1.09305	-1824.51
7086_7087	7086	7087	162.8755	81.41805	0.077175	0.146475	-0.22365	1286.747
7087_7087	7087	7087	-162.877	-81.4181	-0.0819	-0.55913	0.22365	-1286.74
7087_7088	7087	7088	79.14848	91.26968	0.0819	0.559125	0.6867	679.7669

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7088_7088	7088	7088	-79.1469	-108.146	-0.00945	-0.48668	-0.6867	-679.767
7088_7089	7088	7089	-53.8209	119.9882	0.00945	0.486675	0.820575	-306.893
7089_7089	7089	7089	54.63675	-119.787	-0.0126	-0.4032	-0.74183	325.0815
7089_7090	7089	7090	-138.682	127.0553	0.0126	0.4032	0.8442	-1053.57
7090_7090	7090	7090	141.3578	-147.76	-0.12443	-0.7623	-0.85995	1053.54
7090_7091	7090	7091	-268.068	158.2072	0.124425	0.751275	2.3184	-2238.89
7091_7091	7091	7091	267.8886	-156.931	-0.16065	-0.05355	-2.91218	2259.709
7091_7092	7091	7092	-364.998	169.2353	0.16065	0.0315	5.041575	-3841.21
7092_7092	7092	7092	370.4321	-191.301	0.218925	-1.05053	-5.13923	3841.15
7092_7093	7092	7093	-433.169	203.5404	-0.21893	1.088325	2.4003	-5720.9
7093_7093	7093	7093	437.6531	-201.762	0.2142	0.53865	-2.25855	5720.901
7093_7094	7093	7094	-461.464	214.4552	-0.2142	-0.49613	-0.441	-7636.28
7094_7094	7094	7094	-334.404	94.86068	-0.8001	-0.2772	14.14035	1952.027
7094_7095	7094	7095	406.865	-86.6833	0.8001	0.2772	-6.53468	-1378.98
7095_7095	7095	7095	-409.643	86.94788	-0.82845	-0.03465	7.520625	1392.612
7095_7096	7095	7096	461.6215	-80.2652	0.82845	0.03465	-1.10723	-953.018
7096_7096	7096	7096	-461.628	80.26515	-0.69143	0.215775	1.107225	953.0183
7096_7097	7096	7097	509.5078	-73.573	0.691425	-0.21578	4.2525	-548.081
7097_7097	7097	7097	-509.513	51.17018	-0.08348	-0.10868	-4.2525	548.078
7097_7098	7097	7098	540.1368	-44.2717	0.083475	0.108675	4.92345	-289.076
7098_7098	7098	7098	-540.137	44.27168	0.048825	-0.03623	-4.92345	289.0771
7098_7099	7098	7099	566.3637	-37.3637	-0.04883	0.036225	4.536	-67.2714
7099_7099	7099	7099	-566.364	37.36373	0.1764	-0.0189	-4.536	67.2714
7099_7100	7099	7100	588.1507	-30.4574	-0.1764	0.0189	3.123225	116.9926
7100_7100	7100	7100	-588.152	9.05625	0.0126	-0.03938	-3.12323	-116.966
7100_7101	7100	7101	591.2645	-3.88395	-0.0126	0.039375	3.0492	143.2904
7101_7101	7101	7101	-591.264	3.88395	0.189	-0.0882	-3.0492	-143.29
7101_7102	7101	7102	591.8882	1.296225	-0.189	0.0882	1.916775	148.565
7102_7102	7102	7102	-591.888	-1.29623	-0.15278	0.00945	-1.91678	-148.565
7102_7103	7102	7103	590.0155	6.4764	0.152775	-0.00945	2.835	132.7284
7103_7103	7103	7103	-590.015	-6.4764	0.0126	-0.03308	-2.835	-132.728
7103_7104	7103	7104	585.6559	11.64713	-0.0126	0.033075	2.760975	95.85923
7104_7104	7104	7104	-585.657	-32.9506	-0.12443	-0.03623	-2.76098	-95.8829
7104_7105	7104	7105	562.2671	39.85853	0.124425	0.036225	3.75165	-101.934
7105_7105	7105	7105	-562.269	-39.8585	0.004725	-0.01103	-3.75165	101.934
7105_7106	7105	7106	534.4416	46.7649	-0.00473	0.011025	3.715425	-337.271
7106_7106	7106	7106	-534.442	-46.7649	0	-0.01418	-3.71543	337.2705
7106_7107	7106	7107	502.2203	53.66183	0	0.014175	3.7107	-609.772
7107_7107	7107	7107	-502.201	-76.082	0.732375	-0.1197	-3.7107	609.7849
7107_7108	7107	7108	452.7684	82.77255	-0.73238	0.1197	-1.96245	-1027.85
7108_7108	7108	7108	-452.768	-82.7726	0.732375	-0.1197	1.96245	1027.854
7108_7109	7108	7109	399.1696	89.46158	-0.73238	0.1197	-7.63403	-1481.14
7109_7109	7109	7109	-398.373	-89.2269	0.7497	0.187425	6.86385	1477.177
7109_7110	7109	7110	324.4185	97.39643	-0.7497	-0.18743	-13.9734	-2087.89
7110_7110	7110	7110	466.1291	209.9774	-0.2142	-0.57488	2.54205	7867.679
7110_7111	7110	7111	-447.149	-197.248	0.2142	0.615825	0.1512	-5849.04
7111_7111	7111	7111	442.7514	199.0391	-0.21893	1.091475	-0.30555	5849.035
7111_7112	7111	7112	-386.551	-186.748	0.218925	-1.05368	3.0429	-4015.7
7112_7112	7112	7112	381.2099	164.8836	0.04725	0.05355	-2.95155	4015.794
7112_7113	7112	7113	-292.369	-152.536	-0.04725	-0.05985	2.331	-2528.33
7113_7113	7113	7113	293.1091	153.8901	0.03465	0.691425	-1.8585	2504.639
7113_7114	7113	7114	-173.483	-143.679	-0.03465	-0.69458	1.45215	-1273.89
7114_7114	7114	7114	170.8796	122.7949	0.080325	0.398475	-1.4364	1273.927
7114_7115	7114	7115	-90.8807	-115.709	-0.08033	-0.40005	0.77805	-645.386
7115_7115	7115	7115	96.2199	115.3105	0.06615	0.2961	-0.64418	580.127
7115_7116	7115	7116	46.70978	-103.405	-0.06615	-0.2961	-0.2709	392.5924
7116_7116	7116	7116	-46.7098	86.9337	0	0.291375	0.2709	-392.597
7116_7117	7116	7117	132.7268	-77.3971	0	-0.29138	-0.27878	943.3935
7117_7117	7117	7117	-132.727	77.39708	0	0.18585	0.278775	-943.395

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7117_7118	7117	7118	208.6954	-67.8699	0	-0.18585	-0.2709	1429.851
7118_7118	7118	7118	-208.692	52.11675	-0.01575	0.14805	0.2709	-1429.83
7118_7119	7118	7119	258.2591	-42.5817	0.01575	-0.14805	-0.08978	1747.225
7119_7119	7119	7119	-258.259	42.5817	-0.01575	0.14805	0.089775	-1747.22
7119_7120	7119	7120	297.842	-33.0451	0.01575	-0.14805	0.089775	2000.697
7120_7120	7120	7120	-297.848	16.41465	0	0.23625	-0.08978	-2000.73
7120_7121	7120	7121	310.5459	-6.17085	0	-0.23625	0.089775	2082.035
7121_7121	7121	7121	-310.546	6.17085	-0.00315	-0.20475	-0.08978	-2082.04
7121_7122	7121	7122	311.7256	4.071375	0.00315	0.20475	0.12285	2089.592
7122_7122	7122	7122	-311.726	-20.5412	-0.00473	0.001575	-0.12285	-2089.59
7122_7123	7122	7123	285.2325	30.0762	0.004725	-0.00158	0.171675	1919.95
7123_7123	7123	7123	-285.233	-30.0762	-0.0063	-0.21578	-0.17168	-1919.95
7123_7124	7123	7124	248.7587	39.61283	0.0063	0.215775	0.2394	1686.397
7124_7124	7124	7124	-248.759	-55.6259	-0.0126	-0.05828	-0.2394	-1686.4
7124_7125	7124	7125	185.5445	65.1609	0.0126	0.058275	0.38745	1281.604
7125_7125	7125	7125	-185.544	-65.1609	-0.01575	-0.34965	-0.38745	-1281.6
7125_7126	7125	7126	112.3495	74.69595	0.01575	0.34965	0.568575	812.9079
7126_7126	7126	7126	-112.353	-90.9295	-0.06143	-0.2646	-0.56858	-812.919
7126_7127	7126	7127	-9.92723	102.4506	0.061425	0.2646	1.390725	29.9124
7127_7127	7127	7127	10.8171	-101.954	-0.0567	-0.17325	-1.24898	-27.131
7127_7128	7127	7128	-93.292	108.9475	0.0567	0.171675	1.71675	-508.153
7128_7128	7128	7128	95.57573	-129.413	-0.13073	-0.29925	-1.7262	508.1375
7128_7129	7128	7129	-225.849	139.4033	0.130725	0.288225	3.25395	-1609.27
7129_7129	7129	7129	211.1209	-139.287	-0.1638	0.04095	-3.99578	1712.789
7129_7130	7129	7130	-307.846	151.8127	0.1638	-0.06458	6.169275	-3067.13
7130_7130	7130	7130	312.9793	-176.102	0.496125	-0.33075	-6.21023	3067.111
7130_7131	7130	7131	-381.462	188.5244	-0.49613	0.417375	0	-4748.23
7131_7131	7131	7131	386.7932	-186.17	0.49455	0.105525	0.039375	4748.23
7131_7132	7131	7132	-410.458	198.3713	-0.49455	-0.01103	-5.84798	-6527.75
7132_7132	7132	7132	-300.731	97.20113	-0.37013	0.0693	10.521	1684.449
7132_7133	7132	7133	384.4985	-88.063	0.370125	-0.0693	-6.69375	-1014.5
7133_7133	7133	7133	-357.772	87.71175	-0.40793	-0.01733	6.068475	884.1971
7133_7134	7133	7134	418.1263	-80.8763	0.407925	0.017325	-2.90903	-472.338
7134_7134	7134	7134	-418.117	80.87625	-0.54968	-0.16065	2.909025	472.3362
7134_7135	7134	7135	473.6466	-74.0329	0.549675	0.16065	1.362375	-93.4022
7135_7135	7135	7135	-473.651	50.35748	0.055125	-0.00315	-1.36238	93.4353
7135_7136	7135	7136	508.2242	-43.3109	-0.05513	0.00315	0.924525	142.4871
7136_7136	7136	7136	-508.223	43.31093	0.124425	-0.0252	-0.92453	-142.487
7136_7137	7136	7137	537.6278	-36.2549	-0.12443	0.0252	-0.07245	343.139
7137_7137	7137	7137	-537.628	36.25493	0.124425	-0.0252	0.07245	-343.139
7137_7138	7137	7138	561.8167	-29.2005	-0.12443	0.0252	-1.06785	508.2053
7138_7138	7138	7138	-561.81	8.95545	-0.1071	0.063	1.06785	-508.224
7138_7139	7138	7139	565.3085	-3.66345	0.1071	-0.063	-0.4221	532.0917
7139_7139	7139	7139	-565.308	3.66345	-0.01575	-0.04095	0.4221	-532.092
7139_7140	7139	7140	565.8723	1.626975	0.01575	0.04095	-0.33075	535.9426
7140_7140	7140	7140	-565.872	-1.62698	-0.01575	-0.04095	0.33075	-535.943
7140_7141	7140	7141	563.5035	6.918975	0.01575	0.04095	-0.2394	519.7768
7141_7141	7141	7141	-563.504	-6.91898	-0.01575	-0.04095	0.2394	-519.777
7141_7142	7141	7142	558.2021	12.21098	0.01575	0.04095	-0.14805	483.5959
7142_7142	7142	7142	-558.202	-33.3144	-0.10553	0.004725	0.14805	-483.616
7142_7143	7142	7143	530.9703	40.3704	0.105525	-0.00473	0.694575	297.7947
7143_7143	7143	7143	-530.972	-40.3704	-0.03623	-0.03938	-0.69458	-297.793
7143_7144	7143	7144	498.5253	47.4264	0.036225	0.039375	0.981225	76.3875
7144_7144	7144	7144	-498.525	-47.4264	-0.03623	-0.03938	-0.98123	-76.3875
7144_7145	7144	7145	460.8655	54.48083	0.036225	0.039375	1.26945	-180.604
7145_7145	7145	7145	-460.895	-77.2774	0.338625	-0.0315	-1.26945	180.5769
7145_7146	7145	7146	403.1165	84.11288	-0.33863	0.0315	-1.35608	-574.856
7146_7146	7146	7146	-403.12	-84.1129	0.26775	-0.11813	1.356075	574.8545
7146_7147	7146	7147	340.4473	90.94838	-0.26775	0.118125	-3.4272	-1002.53

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7147_7147	7147	7147	-363.852	-91.2382	0.34335	0.114975	3.52485	1116.689
7147_7148	7147	7148	283.5158	99.64395	-0.34335	-0.11498	-6.7788	-1702.05
7148_7148	7148	7148	429.1765	193.714	-0.12758	-0.1764	0.606375	6518.408
7148_7149	7148	7149	-403.228	-180.815	0.127575	0.2016	0.9954	-4728.75
7149_7149	7149	7149	399.2672	182.5724	-0.12915	0.486675	-1.04108	4728.752
7149_7150	7149	7150	-336.811	-170.138	0.12915	-0.46305	2.657025	-3119.53
7150_7150	7150	7150	331.8289	147.2168	0.023625	0.023625	-2.62238	3119.521
7150_7151	7150	7151	-241.731	-134.685	-0.02363	-0.02835	2.30265	-1811.06
7151_7151	7151	7151	258.9143	134.9854	0.017325	0.187425	-1.8711	1701.684
7151_7152	7151	7152	-135.088	-124.209	-0.01733	-0.189	1.658475	-741.056
7152_7152	7152	7152	132.8686	101.6017	0.063	0.152775	-1.65218	741.0359
7152_7153	7152	7153	-56.4968	-94.0622	-0.063	-0.15435	1.1277	-245.752
7153_7153	7153	7153	57.46703	93.99128	0.05355	0.099225	-0.9261	237.0328
7153_7154	7153	7154	67.28873	-81.459	-0.05355	-0.09923	0.190575	470.1942
7154_7154	7154	7154	-67.2856	63.56385	0.0126	0.07875	-0.19058	-470.194
7154_7155	7154	7155	133.8986	-53.539	-0.0126	-0.07875	0.058275	847.8209
7155_7155	7155	7155	-133.899	53.53898	0.0126	0.07875	-0.05828	-847.821
7155_7156	7155	7156	189.1071	-43.5141	-0.0126	-0.07875	-0.07403	1160.789
7156_7156	7156	7156	-189.107	27.0963	0	-0.01103	0.074025	-1160.79
7156_7157	7156	7157	212.4171	-17.9818	0	0.011025	-0.0756	1292.941
7157_7157	7157	7157	-212.417	17.98178	0.001575	0.074025	0.0756	-1292.94
7157_7158	7157	7158	226.3023	-8.86883	-0.00158	-0.07403	-0.08978	1371.655
7158_7158	7158	7158	-226.301	-5.6952	-0.00158	-0.06615	0.089775	-1371.64
7158_7159	7158	7159	215.6821	14.8176	0.001575	0.06615	-0.07403	1311.451
7159_7159	7159	7159	-215.682	-14.8176	0	0.02205	0.074025	-1311.45
7159_7160	7159	7160	195.6434	23.93213	0	-0.02205	-0.07088	1197.854
7160_7160	7160	7160	-195.643	-40.4838	-0.0126	-0.1008	0.070875	-1197.85
7160_7161	7160	7161	143.8826	50.50868	0.0126	0.1008	0.074025	904.428
7161_7161	7161	7161	-143.883	-50.5087	-0.0126	-0.04725	-0.07403	-904.428
7161_7162	7161	7162	80.71718	60.53513	0.0126	0.04725	0.20475	546.3439
7162_7162	7162	7162	-80.714	-78.6508	-0.05985	-0.10238	-0.20475	-546.35
7162_7163	7162	7163	-40.046	91.18305	0.05985	0.102375	1.01745	-138.235
7163_7163	7163	7163	40.13888	-91.1531	-0.06458	-0.11655	-1.07888	141.5799
7163_7164	7163	7164	-115.917	98.66903	0.064575	0.114975	1.6065	-616.016
7164_7164	7164	7164	118.0778	-121.732	0.0063	-0.16065	-1.61123	616.0298
7164_7165	7164	7165	-243.208	132.4323	-0.0063	0.16065	1.545075	-1545.35
7165_7165	7165	7165	235.7728	-131.601	0.004725	-0.05828	-1.72778	1601.444
7165_7166	7165	7166	-332.75	144.9882	-0.00473	0.05985	1.6569	-2842.9
7166_7166	7166	7166	337.7147	-170.335	0.0882	-0.3213	-1.68053	2842.872
7166_7167	7166	7167	-408.705	183.6277	-0.0882	0.338625	0.584325	-4409.49
7167_7167	7167	7167	412.6106	-181.846	0.086625	0.14805	-0.54968	4409.49
7167_7168	7167	7168	-444.485	195.6796	-0.08663	-0.13073	-0.53393	-6166.9
7168_7168	7168	7168	-268.541	107.3945	-0.32288	-0.12128	6.37245	1577.174
7168_7169	7168	7169	360.7774	-98.3399	0.322875	0.121275	-3.3075	-968.863
7169_7169	7169	7169	-335.833	98.04533	-0.2142	0.080325	2.63025	847.2492
7169_7170	7169	7170	407.4462	-90.6806	0.2142	-0.08033	-0.96705	-402.383
7170_7170	7170	7170	-407.446	90.68063	-0.2142	0.080325	0.96705	402.3826
7170_7171	7170	7171	473.4702	-83.3144	0.2142	-0.08033	0.69615	7.7616
7171_7171	7171	7171	-473.499	59.031	0.01575	0.007875	-0.69615	-7.79468
7171_7172	7171	7172	516.7638	-51.4285	-0.01575	-0.00788	0.565425	276.5684
7172_7172	7172	7172	-516.764	51.42848	-0.02993	0.045675	-0.56543	-276.568
7172_7173	7172	7173	554.0756	-43.826	0.029925	-0.04568	0.801675	508.3454
7173_7173	7173	7173	-554.076	43.82595	0.01575	-0.02205	-0.80168	-508.345
7173_7174	7173	7174	585.4307	-36.2234	-0.01575	0.02205	0.672525	703.1241
7174_7174	7174	7174	-585.432	13.167	0.0189	-0.0378	-0.67253	-703.148
7174_7175	7174	7175	591.4944	-7.4655	-0.0189	0.0378	0.5607	740.8028
7175_7175	7175	7175	-591.494	7.4655	-0.04253	0.092925	-0.5607	-740.803
7175_7176	7175	7176	594.205	-1.764	0.042525	-0.09293	0.814275	757.6459
7176_7176	7176	7176	-594.207	1.764	0.0189	-0.04095	-0.81428	-757.647

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7176_7177	7176	7177	593.5671	3.9375	-0.0189	0.04095	0.704025	753.68
7177_7177	7177	7177	-593.567	-3.9375	0.0189	-0.04095	-0.70403	-753.68
7177_7178	7177	7178	589.5792	9.639	-0.0189	0.04095	0.5922	728.9021
7178_7178	7178	7178	-589.582	-32.8545	0.02835	-0.05513	-0.5922	-728.926
7178_7179	7178	7179	560.867	40.45703	-0.02835	0.055125	0.3591	550.5413
7179_7179	7179	7179	-560.867	-40.457	-0.01575	0.0189	-0.3591	-550.541
7179_7180	7179	7180	526.1949	48.05955	0.01575	-0.0189	0.4914	335.1569
7180_7180	7180	7180	-526.195	-48.0596	0.02835	-0.02678	-0.4914	-335.157
7180_7181	7180	7181	485.5678	55.66208	-0.02835	0.026775	0.2583	82.77728
7181_7181	7181	7181	-485.598	-79.9423	0.259875	-0.01575	-0.2583	-82.8072
7181_7182	7181	7182	422.1331	87.30698	-0.25988	0.01575	-1.75928	-311.439
7182_7182	7182	7182	-422.133	-87.307	0.259875	-0.01575	1.759275	311.4389
7182_7183	7182	7183	353.0788	94.67168	-0.25988	0.01575	-3.77685	-740.406
7183_7183	7183	7183	-371.609	-94.8402	0.2457	-0.0693	4.2525	830.6755
7183_7184	7183	7184	281.1202	103.8839	-0.2457	0.0693	-6.58665	-1440.94
7184_7184	7184	7184	442.9703	201.137	-0.08978	0.39375	1.104075	6066.925
7184_7185	7184	7185	-403.249	-187.382	0.089775	-0.37328	0.026775	-4291.15
7185_7185	7185	7185	399.2657	189.2457	-0.0882	-0.09923	0.007875	4291.155
7185_7186	7185	7186	-317.673	-176.074	0.0882	0.11655	1.10565	-2678.48
7186_7186	7186	7186	312.5981	150.6913	-0.02048	0.177975	-1.11825	2678.489
7186_7187	7186	7187	-202.365	-137.42	0.020475	-0.17483	1.38915	-1409.73
7187_7187	7187	7187	207.5189	138.2315	-0.01733	0.0693	-1.2348	1361.877
7187_7188	7187	7188	-70.7915	-126.843	0.017325	-0.06773	1.437975	-332.721
7188_7188	7188	7188	68.5503	102.3293	0.058275	0.140175	-1.4364	332.719
7188_7189	7188	7189	12.17318	-94.2858	-0.05828	-0.14175	0.959175	176.852
7189_7189	7189	7189	-13.6049	94.68113	0.05355	0.133875	-0.8694	-177.372
7189_7190	7189	7190	137.1888	-81.1787	-0.05355	-0.13388	0.130725	910.4209
7190_7190	7190	7190	-137.187	61.55888	0.023625	0.10395	-0.13073	-910.421
7190_7191	7190	7191	200.3306	-50.756	-0.02363	-0.10395	-0.13388	1284.956
7191_7191	7191	7191	-200.331	50.75595	0.023625	0.10395	0.133875	-1284.96
7191_7192	7191	7192	251.3275	-39.953	-0.02363	-0.10395	-0.40005	1587.446
7192_7192	7192	7192	-251.324	21.80273	-0.02205	0.02835	0.40005	-1587.45
7192_7193	7192	7193	268.5674	-12.0015	0.02205	-0.02835	-0.1764	1689.721
7193_7193	7193	7193	-268.567	12.0015	-0.02205	0.02835	0.1764	-1689.72
7193_7194	7193	7194	275.814	-2.19083	0.02205	-0.02835	0.04725	1732.706
7194_7194	7194	7194	-275.817	-13.9372	-0.0126	0.0063	-0.04725	-1732.72
7194_7195	7194	7195	256.577	23.74785	0.0126	-0.0063	0.171675	1618.594
7195_7195	7195	7195	-256.577	-23.7479	-0.01418	-0.1071	-0.17168	-1618.59
7195_7196	7195	7196	227.3182	33.55853	0.014175	0.1071	0.3087	1445.044
7196_7196	7196	7196	-227.317	-51.6805	-0.02993	-0.12443	-0.3087	-1445.05
7196_7197	7196	7197	163.1338	62.4834	0.029925	0.124425	0.634725	1064.35
7197_7197	7197	7197	-163.134	-62.4834	-0.02993	-0.12443	-0.63473	-1064.35
7197_7198	7197	7198	86.80455	73.28633	0.029925	0.124425	0.96075	611.6024
7198_7198	7198	7198	-86.7967	-93.1424	-0.08978	-0.1575	-0.96075	-611.61
7198_7199	7198	7199	-53.4949	106.6354	0.089775	0.1575	2.200275	-227.149
7199_7199	7199	7199	53.23815	-106.483	-0.09608	-0.17955	-2.32313	217.3961
7199_7200	7199	7200	-141.342	114.523	0.096075	0.1764	3.116925	-773.706
7200_7200	7200	7200	143.8196	-139.518	0.02205	-0.08663	-3.12008	773.7127
7200_7201	7200	7201	-286.631	150.8063	-0.02205	0.0882	2.868075	-1844.44
7201_7201	7201	7201	270.2747	-150.154	0.03465	-0.23153	-4.41473	1961.534
7201_7202	7201	7202	-377.444	164.3607	-0.03465	0.237825	3.954825	-3384.08
7202_7202	7202	7202	382.9408	-190.421	0.09765	0.13545	-3.93908	3384.06
7202_7203	7202	7203	-460.08	204.4665	-0.09765	-0.1134	2.710575	-5114.12
7203_7203	7203	7203	464.3982	-202.241	0.099225	-0.3591	-2.76255	5114.12
7203_7204	7203	7204	-499.776	216.9342	-0.09923	0.382725	1.50885	-7075.86
7204_7204	7204	7204	-277.986	117.8447	-0.43155	0.06615	8.012025	1909.926
7204_7205	7204	7205	375.9824	-108.043	0.43155	-0.06615	-3.906	-1222.03
7205_7205	7205	7205	-354.488	107.7725	-0.4347	0.02835	3.3705	1072.08
7205_7206	7205	7206	430.3514	-99.7967	0.4347	-0.02835	-0.0063	-571.191

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7206_7206	7206	7206	-430.356	99.79673	-0.36698	0.1071	0.0063	571.1895
7206_7207	7206	7207	500.3885	-91.8209	0.366975	-0.1071	2.842875	-108.796
7207_7207	7207	7207	-500.422	65.38613	-0.06143	0.02205	-2.84288	108.7916
7207_7208	7207	7208	546.6526	-57.1536	0.061425	-0.02205	3.331125	196.4466
7208_7208	7208	7208	-546.653	57.1536	-0.06143	0.02205	-3.33113	-196.447
7208_7209	7208	7209	586.6702	-48.9195	0.061425	-0.02205	3.819375	460.6702
7209_7209	7209	7209	-586.67	48.9195	-0.126	0.083475	-3.81938	-460.67
7209_7210	7209	7210	620.476	-40.687	0.126	-0.08348	4.82265	683.8776
7210_7210	7210	7210	-620.489	14.6601	0.055125	0.001575	-4.82265	-683.874
7210_7211	7210	7211	627.039	-8.48453	-0.05513	-0.00158	4.49505	727.1145
7211_7211	7211	7211	-627.039	8.484525	0.055125	0.001575	-4.49505	-727.115
7211_7212	7211	7212	630.0929	-2.31053	-0.05513	-0.00158	4.16745	747.2824
7212_7212	7212	7212	-630.093	2.310525	-0.0315	0.13545	-4.16745	-747.281
7212_7213	7212	7213	629.6535	3.86505	0.0315	-0.13545	4.354875	744.3781
7213_7213	7213	7213	-629.654	-3.86505	0.055125	0.001575	-4.35488	-744.38
7213_7214	7213	7214	625.7192	10.03905	-0.05513	-0.00158	4.02885	718.4032
7214_7214	7214	7214	-625.736	-36.4439	0.209475	-0.00473	-4.02885	-718.402
7214_7215	7214	7215	595.1311	44.67645	-0.20948	0.004725	2.348325	516.3323
7215_7215	7215	7215	-595.131	-44.6765	0.209475	-0.00473	-2.34833	-516.332
7215_7216	7215	7216	558.3139	52.91055	-0.20948	0.004725	0.669375	273.2468
7216_7216	7216	7216	-558.317	-52.9106	0.1449	0.0315	-0.66938	-273.245
7216_7217	7216	7217	515.2865	61.14308	-0.1449	-0.0315	-0.49613	-10.8596
7217_7217	7217	7217	-515.305	-87.5369	0.300825	-0.49613	0.496125	10.80135
7217_7218	7217	7218	448.4041	95.51273	-0.30083	0.496125	-2.82555	-452.523
7218_7218	7218	7218	-448.404	-95.5127	0.300825	-0.49613	2.82555	452.5227
7218_7219	7218	7219	375.6722	103.4885	-0.30083	0.496125	-5.15498	-932.735
7219_7219	7219	7219	-388.414	-103.608	0.795375	0.785925	5.2416	1042.102
7219_7220	7219	7220	292.5248	113.3953	-0.79538	-0.78593	-12.7969	-1677.56
7220_7220	7220	7220	487.9177	217.4162	-0.00158	-0.74498	1.261575	6684.193
7220_7221	7220	7221	-447.023	-202.847	0.001575	0.744975	-1.24583	-4765.72
7221_7221	7221	7221	442.7199	204.9201	-0.00473	1.318275	1.0836	4765.714
7221_7222	7221	7222	-358.695	-191.027	0.004725	-1.3167	-1.01588	-3071.97
7222_7222	7222	7222	353.2804	164.9718	0.048825	0.00315	1.10565	3072.279
7222_7223	7222	7223	-238.504	-150.909	-0.04883	-0.0126	-1.74668	-1662.01
7223_7223	7223	7223	252.2347	151.3465	0.02835	0.36225	1.122975	1562.471
7223_7224	7223	7224	-104.298	-139.041	-0.02835	-0.3654	-1.4616	-540.066
7224_7224	7224	7224	101.8064	110.9477	0.011025	0.196875	1.469475	540.0957
7224_7225	7224	7225	-14.8223	-102.136	-0.01103	-0.19688	-1.56713	-10.406
7225_7225	7225	7225	14.20493	102.7278	0.00945	0.252	1.6506	11.11478
7225_7226	7225	7226	122.1775	-86.5211	-0.00945	-0.252	-1.78763	859.7075
7226_7226	7226	7226	-122.181	62.60625	0.02205	0.37485	1.787625	-859.747
7226_7227	7226	7227	185.1806	-50.0267	-0.02205	-0.37485	-2.04278	1262.014
7227_7227	7227	7227	-185.181	50.02673	0.0189	-0.15435	2.042775	-1262.02
7227_7228	7227	7228	234.0781	-37.4567	-0.0189	0.15435	-2.26328	1574.238
7228_7228	7228	7228	-234.07	13.28198	-0.03938	0.38115	2.263275	-1574.2
7228_7229	7228	7229	241.8917	-0.71033	0.039375	-0.38115	-1.80653	1624.148
7229_7229	7229	7229	-241.895	0.710325	-0.04253	-0.46305	1.806525	-1624.15
7229_7230	7229	7230	235.6594	11.8629	0.042525	0.46305	-1.30725	1584.333
7230_7230	7230	7230	-235.652	-36.9149	0.0252	0.09765	1.30725	-1584.19
7230_7231	7230	7231	184.9381	50.03303	-0.0252	-0.09765	-1.60808	1260.372
7231_7231	7231	7231	-184.935	-50.033	0.020475	-0.5229	1.608075	-1260.37
7231_7232	7231	7232	118.8416	63.1638	-0.02048	0.5229	-1.8648	838.3489
7232_7232	7232	7232	-118.838	-89.1419	0.05985	-0.02835	1.8648	-838.245
7232_7233	7232	7233	92.04143	92.46038	-0.05985	0.02835	-2.04908	687.1624
7233_7233	7233	7233	-91.1043	-92.6179	0.09135	-0.13545	3.213	-688.861
7233_7234	7233	7234	35.74778	99.02655	-0.09135	0.137025	-3.75953	327.8291
7234_7234	7234	7234	-34.5854	-98.9667	0.089775	-0.22365	3.756375	-327.828
7234_7235	7234	7235	-46.0231	107.8718	-0.08978	0.22995	-4.50923	-223.444
7235_7235	7235	7235	47.2374	-107.418	0.0882	-0.25673	4.506075	223.4471

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7235_7236	7235	7236	-99.5589	113.3969	-0.0882	0.263025	-5.0022	-627.83
7236_7236	7236	7236	90.6507	-144.007	-0.26303	-0.74813	7.86555	680.9005
7236_7237	7236	7237	-185.652	155.8352	0.263025	0.710325	-5.0463	-1796.06
7237_7237	7237	7237	188.3023	-154.626	-0.26775	0.127575	5.09985	1796.057
7237_7238	7237	7238	-251.709	166.0223	0.26775	-0.1701	-2.54678	-2899.7
7238_7238	7238	7238	255.5847	-180.572	-0.4095	-2.18453	2.34675	2898.903
7238_7239	7238	7239	-306.558	192.098	0.4095	2.108925	1.504125	-4197.38
7239_7239	7239	7239	306.3674	-192.634	-0.41423	-0.04725	-1.32143	4197.402
7239_7240	7239	7240	-352.318	205.4934	0.414225	-0.02835	5.652675	-5696.2
7240_7240	7240	7240	-406.804	126.0126	-0.71033	0.5481	13.0473	1179.185
7240_7241	7240	7241	484.259	-117.013	0.710325	-0.5481	-7.55528	-549.585
7241_7241	7241	7241	-475.163	116.8713	-0.37958	0.88515	6.811875	505.5797
7241_7242	7241	7242	555.523	-106.924	0.379575	-0.88515	-3.56895	130.3187
7242_7242	7242	7242	-555.528	106.9236	-0.2205	0.836325	3.56895	-130.328
7242_7243	7242	7243	625.8908	-97.3823	0.2205	-0.83633	-1.76085	687.1221
7243_7243	7243	7243	-625.614	69.40553	-0.8568	0.452025	1.76085	-687.146
7243_7244	7243	7244	679.6409	-57.623	0.8568	-0.45203	6.92685	1114.683
7244_7244	7244	7244	-679.655	57.62295	-0.67568	-0.0189	-6.92685	-1114.68
7244_7245	7244	7245	721.1768	-46.5838	0.675675	0.0189	13.34498	1443.253
7245_7245	7245	7245	-721.136	24.53378	-0.42525	0.50085	-13.345	-1442.9
7245_7246	7245	7246	737.2118	-12.5118	0.42525	-0.50085	17.73765	1570.122
7246_7246	7246	7246	-737.218	12.5118	-0.23153	-0.2079	-17.7377	-1570.12
7246_7247	7246	7247	742.7621	-1.72463	0.231525	0.2079	19.87808	1613.991
7247_7247	7247	7247	-742.825	-24.9008	0.329175	0.785925	-19.8781	-1613.68
7247_7248	7247	7248	718.8946	35.81865	-0.32918	-0.78593	16.7895	1424.307
7248_7248	7248	7248	-718.882	-35.8187	0.63945	-0.24728	-16.7895	-1424.31
7248_7249	7248	7249	682.9846	47.7225	-0.63945	0.247275	10.24065	1140.251
7249_7249	7249	7249	-683.043	-69.1346	1.2978	0.177975	-10.2407	-1140.07
7249_7250	7249	7250	620.2035	80.74868	-1.2978	-0.17798	-2.71845	642.8221
7250_7250	7250	7250	-620.178	-80.7487	1.500975	-0.12758	2.71845	-642.822
7250_7251	7250	7251	550.379	91.94535	-1.50098	0.127575	-17.1785	90.49478
7251_7251	7251	7251	-549.837	-116.903	-1.7955	-4.12808	17.17853	-91.0445
7251_7252	7251	7252	470.8415	125.915	1.7955	4.128075	-3.2634	-534.059
7252_7252	7252	7252	-471.366	-125.846	-1.38758	-3.74693	3.075975	536.486
7252_7253	7252	7253	365.7953	136.8785	1.387575	3.746925	10.09575	-1375.1
7253_7253	7253	7253	353.1182	210.8941	-3.2256	10.53675	-11.4944	5662.723
7253_7254	7253	7254	-325.724	-201.778	3.2256	-10.0091	35.00123	-4534.79
7254_7254	7254	7254	319.7187	177.9782	1.7451	-1.45215	-33.8546	4533.178
7254_7255	7254	7255	-268.493	-163.687	-1.7451	1.034775	13.5891	-3094.56
7255_7255	7255	7255	265.5403	164.8348	1.743525	0.672525	-13.6868	3094.538
7255_7256	7255	7256	-198.244	-152.825	-1.74353	-0.97808	-3.84458	-1956.84
7256_7256	7256	7256	194.8637	130.3722	0.1008	0.033075	3.8997	1956.714
7256_7257	7256	7257	-128.4	-119.346	-0.1008	-0.04568	-4.84943	-1140.42
7257_7257	7257	7257	144.5756	118.2542	0.063	0.137025	3.05235	1038.801
7257_7258	7257	7258	-76.901	-110.247	-0.063	-0.14175	-3.50753	-503.487
7258_7258	7258	7258	75.82208	110.5965	0.063	0.14805	3.507525	503.4858
7258_7259	7258	7259	-25.1559	-104.859	-0.063	-0.1512	-3.8304	-149.626
7259_7259	7259	7259	23.84235	76.26623	-0.04095	0.21735	3.831975	149.6363
7259_7260	7259	7260	30.1455	-66.8729	0.04095	-0.21735	-3.51068	195.174
7260_7260	7260	7260	-31.6071	66.6225	-0.02993	0.137025	2.5893	-182.667
7260_7261	7260	7261	85.41855	-56.0763	0.029925	-0.13703	-2.32313	486.2907
7261_7261	7261	7261	-85.4201	56.0763	-0.0315	0.08505	2.323125	-486.292
7261_7262	7261	7262	127.0868	-46.2877	0.0315	-0.08505	-2.07428	721.391
7262_7262	7262	7262	-127.087	15.70433	0.0378	0.152775	2.074275	-721.408
7262_7263	7262	7263	137.2313	-1.63328	-0.0378	-0.15278	-2.5137	778.6517
7263_7263	7263	7263	-137.231	1.633275	0.0378	0	2.5137	-778.653
7263_7264	7263	7264	131.0416	12.30863	-0.0378	0	-2.9484	743.7323
7264_7264	7264	7264	-131.057	-40.0633	-0.04253	-0.0378	2.9484	-743.758
7264_7265	7264	7265	75.2157	54.29498	0.042525	0.0378	-2.45228	428.6867

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7265_7265	7265	7265	-75.2173	-54.295	-0.04253	-0.1827	2.452275	-428.682
7265_7266	7265	7266	5.0715	68.0778	0.042525	0.1827	-1.97033	32.89388
7266_7266	7266	7266	-5.04945	-96.7034	0.00945	-0.4284	1.970325	-32.8136
7266_7267	7266	7267	-115.125	110.6406	-0.00945	0.4284	-2.07585	-645.243
7267_7267	7267	7267	115.1262	-110.641	0.00945	-0.24885	2.07585	645.2539
7267_7268	7267	7268	-252.794	124.7069	-0.00945	0.24885	-2.18138	-1422.02
7268_7268	7268	7268	252.8064	-159.127	-0.0504	-0.9576	2.181375	1422.211
7268_7269	7268	7269	-318.032	163.9811	0.0504	0.9576	-1.98293	-1915.55
7269_7269	7269	7269	303.3907	-163.548	-0.06773	-0.756	2.6523	2086.115
7269_7270	7269	7270	-448.691	175.3589	0.067725	0.754425	-1.9971	-3111.69
7270_7270	7270	7270	451.5635	-172.485	-0.06773	0.063	2.0097	3111.697
7270_7271	7270	7271	-575.971	184.9885	0.067725	-0.0693	-1.31985	-4366.86
7271_7271	7271	7271	518.9121	-216.822	-1.00643	-3.06968	1.935675	4764.587
7271_7272	7271	7272	-627.226	232.8055	1.006425	2.90115	10.41075	-6794.47
7272_7272	7272	7272	632.0585	-229.637	-1.00643	2.360925	-10.1304	6794.497
7272_7273	7272	7273	-683.766	246.7978	1.006425	-2.58773	22.68158	-9121.05
7273_7273	7273	7273	689.1003	-249.559	2.537325	-6.3441	-23.4203	9123.435
7273_7274	7273	7274	-698.524	257.4668	-2.53733	6.63075	9.303525	-10251.1
7274_7274	7274	7274	701.5491	-256.194	2.537325	-2.29005	-8.98538	10251.14
7274_7275	7274	7275	-703.022	267.7925	-2.53733	2.729475	-11.3825	-11839.9
7275_7275	7275	7275	-378.318	187.2707	1.957725	5.94405	23.1525	3526.598
7275_7276	7275	7276	463.7021	-180.5	-1.95773	-5.94405	-33.9208	-2780.28
7276_7276	7276	7276	-464.496	148.8706	-2.34833	-1.24898	33.92078	2781.466
7276_7277	7276	7277	513.9005	-143.813	2.348325	1.248975	-24.5338	-2389.64
7277_7277	7277	7277	-475.143	143.5817	-1.9404	-0.17955	21.98385	2247.16
7277_7278	7277	7278	595.2067	-130.786	1.9404	0.17955	-2.32628	-1337.67
7278_7278	7278	7278	-595.249	130.7864	-1.66635	0.45675	2.326275	1337.663
7278_7279	7278	7279	694.805	-119.139	1.66635	-0.45675	13.0347	-583.523
7279_7279	7279	7279	-694.773	84.90353	-1.08518	0.14805	-13.0347	583.5848
7279_7280	7279	7280	772.9738	-70.1584	1.085175	-0.14805	25.704	8.786925
7280_7280	7280	7280	-773.004	70.15838	-0.6867	0.14175	-25.704	-8.79008
7280_7281	7280	7281	838.7442	-54.7722	0.6867	-0.14175	34.05938	506.7815
7281_7281	7281	7281	-920.239	27.03015	3.287025	0.1701	-103.405	-126.369
7281_7282	7281	7282	938.6827	-16.2509	-3.28703	-0.1701	62.66768	320.7913
7282_7282	7282	7282	-938.65	16.25085	4.106025	-0.07718	-62.6677	-320.791
7282_7283	7282	7283	947.531	-6.27953	-4.10603	0.077175	15.58935	414.403
7283_7283	7283	7283	-947.999	-34.8752	-2.64285	0.149625	-15.5894	-414.49
7283_7284	7283	7284	918.8928	44.1882	2.64285	-0.14963	43.88895	107.6733
7284_7284	7284	7284	-918.92	-44.1882	-1.46475	0.029925	-43.889	-107.675
7284_7285	7284	7285	886.5722	52.63965	1.46475	-0.02993	58.11593	-233.308
7285_7285	7285	7285	-886.681	-85.9651	6.12675	-2.2491	-58.1159	233.2591
7285_7286	7285	7286	836.3849	93.07148	-6.12675	2.2491	8.059275	-763.456
7286_7286	7286	7286	-836.35	-93.0715	6.622875	-1.89315	-8.05928	763.4687
7286_7287	7286	7287	787.7158	99.46125	-6.62288	1.89315	-40.5941	-1276.15
7287_7287	7287	7287	-815.061	-99.5857	7.40565	-0.91823	41.3658	1338.2
7287_7288	7287	7288	759.4823	106.5645	-7.40565	0.918225	-100.717	-1985.68
7288_7288	7288	7288	466.3292	337.3729	-1.33403	-1.197	-9.46733	10351.03
7288_7289	7288	7289	-390.723	-324.867	1.334025	1.390725	26.41433	-6936.11
7289_7289	7289	7289	386.4767	325.8234	-1.3482	5.5377	-27.0097	6936.057
7289_7290	7289	7290	-283.705	-315.137	1.3482	-5.37863	41.88713	-4168.29
7290_7290	7290	7290	275.7778	275.8754	1.14345	-0.33863	-41.317	4169.098
7290_7291	7290	7291	-196.015	-268.997	-1.14345	0.2709	32.886	-2639.88
7291_7291	7291	7291	191.4633	270.0369	1.138725	0.968625	-32.9096	2639.876
7291_7292	7291	7292	-77.9641	-262.119	-1.13873	-1.02218	22.98555	-883.264
7292_7292	7292	7292	82.32683	260.5979	0.756	1.242675	-15.487	819.9384
7292_7293	7292	7293	-12.3055	-256.849	-0.756	-1.25213	12.25823	47.30355
7293_7293	7293	7293	9.398025	230.0445	0.0945	1.20645	-12.2346	-47.2878
7293_7294	7293	7294	95.5962	-223.806	-0.0945	-1.20645	11.5605	1168.059
7294_7294	7294	7294	-96.4231	223.7902	0.089775	0.855225	-11.5526	-1168.07

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7294_7295	7294	7295	218.9912	-216.288	-0.08978	-0.85523	10.78718	2477.303
7295_7295	7295	7295	-186.286	218.0162	0.126	-0.27878	-16.5155	-2661.78
7295_7296	7295	7296	270.2401	-211.812	-0.126	0.278775	15.62558	3778.68
7296_7296	7296	7296	-270.264	176.7859	0.285075	3.5343	-15.6256	-3779.14
7296_7297	7296	7297	374.8232	-166.856	-0.28508	-3.5343	12.48975	5170.208
7297_7297	7297	7297	-374.822	166.8555	0.27405	-0.44258	-12.4898	-5170.22
7297_7298	7297	7298	476.8738	-156.558	-0.27405	0.442575	9.369675	6527.906
7298_7298	7298	7298	-476.932	120.9411	0.17325	5.7204	-9.36968	-6528.66
7298_7299	7298	7299	548.9915	-110.793	-0.17325	-5.7204	7.4277	7487.334
7299_7299	7299	7299	-548.991	110.7934	0.1575	-2.26485	-7.4277	-7487.36
7299_7300	7299	7300	622.3707	-99.3998	-0.1575	2.26485	5.4495	8463.578
7300_7300	7300	7300	-622.435	63.63788	0.21105	5.28885	-5.4495	-8464.53
7300_7301	7300	7301	661.6701	-52.6239	-0.21105	-5.28885	2.8854	8986.509
7301_7301	7301	7301	-661.669	52.6239	0.1953	-3.2319	-2.8854	-8986.52
7301_7302	7301	7302	692.2283	-42.0966	-0.1953	3.2319	0.60165	9393.07
7302_7302	7302	7302	-692.298	5.633775	0.126	5.403825	-0.60165	-9393.99
7302_7303	7302	7303	692.1968	5.917275	-0.126	-5.40383	-1.0143	9392.651
7303_7303	7303	7303	-692.197	-5.91728	0.11025	-4.83368	1.0143	-9392.65
7303_7304	7303	7304	685.5172	15.90435	-0.11025	4.833675	-2.22863	9303.807
7304_7304	7304	7304	-685.602	-54.0698	-0.00945	4.7124	2.228625	-9304.83
7304_7305	7304	7305	647.6542	64.51358	0.00945	-4.7124	-2.11838	8799.988
7305_7305	7305	7305	-647.656	-64.5136	-0.0252	-4.4163	2.118375	-8799.99
7305_7306	7305	7306	600.0498	75.60158	0.0252	4.4163	-1.8081	8166.649
7306_7306	7306	7306	-600.116	-116.054	-0.25515	3.545325	1.8081	-8167.41
7306_7307	7306	7307	520.1784	126.797	0.25515	-3.54533	1.22535	7103.93
7307_7307	7307	7307	-520.182	-126.797	-0.27248	-4.7565	-1.22535	-7103.92
7307_7308	7307	7308	432.7596	137.5873	0.272475	4.7565	4.484025	5940.873
7308_7308	7308	7308	-432.651	-186.907	2.6649	1.54035	-4.48403	-5941.31
7308_7309	7308	7309	304.805	197.7539	-2.6649	-1.54035	-27.4869	4240.462
7309_7309	7309	7309	-304.769	-197.754	2.646	-3.68708	27.4869	-4240.45
7309_7310	7309	7310	171.8309	208.4339	-2.646	3.687075	-58.7475	2471.837
7310_7310	7310	7310	-172.125	-250.307	-4.39268	-1.58603	58.7475	-2471.95
7310_7311	7310	7311	-17.8085	262.3966	4.392675	1.586025	0	-54.9234
7400_7020	7400	7020	1002.85	-122.659	53.4177	0.86625	-277.613	-2067.69
7400_7401	7400	7401	-1002.85	122.6594	-53.4177	-0.86625	59.16173	1525.545
7401_7401	7401	7401	1001.881	-117.845	7.063875	0.770175	-59.7539	-1525.57
7401_7402	7401	7402	-1001.88	117.8447	-7.06388	-0.77018	35.1036	1114.346
7402_7402	7402	7402	1004.433	-93.7724	5.11245	-0.61583	-35.7273	-1114.33
7402_7403	7402	7403	-1004.43	93.77235	-5.11245	0.615825	-20.1175	89.89943
7403_7403	7403	7403	999.0745	-62.1101	-0.6993	-0.16538	18.26685	-89.9168
7403_7404	7403	7404	-999.074	62.11013	0.6993	0.165375	-13.2237	-357.78
7404_7404	7404	7404	1000.249	-38.8379	-1.3104	-0.252	13.29458	357.777
7404_7405	7404	7405	-1000.25	38.83793	1.3104	0.252	-3.84143	-637.859
7405_7405	7405	7405	997.0569	-3.5154	-0.1071	-0.11183	3.353175	637.8577
7405_7406	7405	7406	-997.057	3.5154	0.1071	0.111825	-1.80653	-688.516
7406_7406	7406	7406	995.5764	31.84965	-0.03308	-0.07875	1.93095	688.5176
7406_7407	7406	7407	-995.576	-31.8497	0.033075	0.07875	-1.64273	-406.322
7407_7407	7407	7407	994.6897	52.69478	-0.12758	-0.0756	1.658475	406.3217
7407_7408	7407	7408	-994.69	-52.6948	0.127575	0.0756	-0.94973	-113.529
7408_7408	7408	7408	986.1516	-156.443	-0.6741	-0.9198	0.89775	113.5323
7408_7409	7408	7409	-986.152	156.4432	0.6741	0.9198	1.138725	-585.894
7409_7409	7409	7409	985.1924	153.3278	-1.18598	0.653625	-1.0773	585.9725
7409_7410	7409	7410	-985.192	-153.328	1.185975	-0.65363	4.669875	-121.532
7410_7410	7410	7410	997.531	-56.6039	0.73395	-0.2142	-3.99735	121.5317
7410_7411	7410	7411	-997.531	56.60393	-0.73395	0.2142	-0.07718	-435.999
7411_7411	7411	7411	998.4965	-35.7147	0.3843	-0.06615	0.0063	435.9994
7411_7412	7411	7412	-998.496	35.7147	-0.3843	0.06615	-3.4083	-752.376
7412_7412	7412	7412	1004.463	-0.12443	0.096075	-0.09608	3.6225	752.3775
7412_7413	7412	7413	-1004.46	0.124425	-0.09608	0.096075	-5.00063	-754.171

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7413_7413	7413	7413	1011.421	35.43908	-0.2142	0.2394	5.4936	754.184
7413_7414	7413	7414	-1011.42	-35.4391	0.2142	-0.2394	-3.94695	-498.454
7414_7414	7414	7414	1010.348	58.52385	0.596925	-0.2583	4.08555	498.4544
7414_7415	7414	7415	-1010.35	-58.5239	-0.59693	0.2583	-8.38215	-76.9041
7415_7415	7415	7415	1018.699	90.783	0.020475	-0.08978	10.18553	76.91355
7415_7416	7415	7416	-1018.7	-90.783	-0.02048	0.089775	-10.4013	914.7112
7416_7416	7416	7416	1016.259	114.9167	0.7938	0.382725	10.20285	-914.714
7416_7417	7416	7417	-1016.26	-114.917	-0.7938	-0.38273	-12.9701	1315.246
7417_7417	7417	7417	1017.34	120.0512	-28.8808	-0.28193	15.83663	-1315.23
7417_7036	7417	7036	-1017.34	-120.051	28.88078	0.281925	102.4254	1824.899
7420_7056	7420	7056	860.7076	-111.464	41.00985	0.530775	-162.277	-1951.68
7420_7421	7420	7421	-860.708	111.4643	-41.0099	-0.53078	-5.69835	1475.792
7421_7421	7421	7421	859.5626	-106.936	0.85365	0.571725	2.549925	-1475.78
7421_7422	7421	7422	-859.563	106.9362	-0.85365	-0.57173	-5.52825	1102.845
7422_7422	7422	7422	861.881	-86.2911	0.278775	-0.31973	5.3172	-1102.85
7422_7423	7422	7423	-861.881	86.2911	-0.27878	0.319725	-8.3601	160.6469
7423_7423	7423	7423	855.7668	-59.4641	0.020475	-0.09293	6.9426	-160.641
7423_7424	7423	7424	-855.767	59.46413	-0.02048	0.092925	-7.08593	-268.385
7424_7424	7424	7424	856.9355	-39.1608	-0.63473	-0.05198	7.155225	268.3816
7424_7425	7424	7425	-856.935	39.1608	0.634725	0.051975	-2.57985	-550.689
7425_7425	7425	7425	853.439	-9.12555	-0.14333	-0.01103	2.42235	550.6862
7425_7426	7425	7426	-853.439	9.12555	0.143325	0.011025	-0.34493	-682.194
7426_7426	7426	7426	851.245	21.48458	0.310275	-0.1134	0.5229	682.1955
7426_7427	7426	7427	-851.245	-21.4846	-0.31028	0.1134	-3.27128	-491.972
7427_7427	7427	7427	850.6292	38.84895	-0.41738	0.231525	3.457125	491.9702
7427_7428	7427	7428	-850.629	-38.849	0.417375	-0.23153	-1.1403	-275.99
7428_7428	7428	7428	841.2611	-140.279	-2.18925	-0.94028	1.47735	275.9967
7428_7429	7428	7429	-841.261	140.279	2.18925	0.940275	5.154975	-700.979
7429_7429	7429	7429	841.6627	140.7924	-2.42393	0.8568	-5.13765	701.4719
7429_7430	7429	7430	-841.663	-140.792	2.423925	-0.8568	12.45668	-276.309
7430_7430	7430	7430	852.7066	-37.7921	1.7199	-0.43943	-11.0502	276.3101
7430_7431	7430	7431	-852.707	37.79213	-1.7199	0.439425	1.485225	-486.414
7431_7431	7431	7431	853.3004	-20.4388	0.505575	0.275625	-1.79235	486.4136
7431_7432	7431	7432	-853.3	20.43878	-0.50558	-0.27563	-2.68695	-667.354
7432_7432	7432	7432	856.9985	10.3257	-0.0756	0.04725	3.019275	667.3653
7432_7433	7432	7433	-856.998	-10.3257	0.0756	-0.04725	-1.92623	-518.49
7433_7433	7433	7433	861.955	40.15463	0.3087	0.111825	2.8728	518.4947
7433_7434	7433	7434	-861.955	-40.1546	-0.3087	-0.11183	-5.09513	-229.151
7434_7434	7434	7434	860.7627	60.56033	-0.1449	0.1134	5.057325	229.1515
7434_7435	7434	7435	-860.763	-60.5603	0.1449	-0.1134	-4.0131	207.5456
7435_7435	7435	7435	867.9526	87.70545	-0.756	0.5355	6.0858	-207.544
7435_7436	7435	7436	-867.953	-87.7055	0.756	-0.5355	2.17035	1165.445
7436_7436	7436	7436	865.6279	108.2529	-2.00655	-1.15448	-1.69155	-1165.44
7436_7437	7436	7437	-865.628	-108.253	2.00655	1.154475	8.68455	1542.681
7437_7437	7437	7437	866.817	113.0252	-36.1242	-0.3843	-6.4071	-1542.67
7437_7072	7437	7072	-866.817	-113.025	36.1242	0.3843	154.2539	2025.294
7440_7094	7440	7094	922.1987	-104.789	33.68453	0.42525	-134.343	-1542.99
7440_7441	7440	7441	-922.199	104.7895	-33.6845	-0.42525	-3.66975	1113.653
7441_7441	7441	7441	920.3985	-100.257	0.53865	0.0504	1.5309	-1113.65
7441_7442	7441	7442	-920.399	100.2566	-0.53865	-0.0504	-3.41145	763.7364
7442_7442	7442	7442	922.5594	-77.9168	0.307125	-0.22838	3.35475	-763.736
7442_7443	7442	7443	-922.559	77.91683	-0.30713	0.228375	-6.70635	-86.8943
7443_7443	7443	7443	915.6814	-49.1636	-0.3213	-0.01418	5.6511	86.89748
7443_7444	7443	7444	-915.681	49.16363	0.3213	0.014175	-3.33743	-441.397
7444_7444	7444	7444	916.5886	-27.4554	-0.06773	-0.21578	3.293325	441.3985
7444_7445	7444	7445	-916.589	27.4554	0.067725	0.215775	-2.80665	-639.222
7445_7445	7445	7445	912.2747	4.137525	-0.378	-0.03308	3.03345	639.2232
7445_7446	7445	7446	-912.275	-4.13753	0.378	0.033075	2.414475	-579.554
7446_7446	7446	7446	908.8112	37.3212	1.623825	-0.11655	-2.23493	579.5512

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7446_7447	7446	7447	-908.811	-37.3212	-1.62383	0.11655	-12.1307	-249.299
7447_7447	7447	7447	907.8773	55.61325	-0.37328	0.171675	12.37163	249.2879
7447_7448	7447	7448	-907.877	-55.6133	0.373275	-0.17168	-10.2958	59.89253
7448_7448	7448	7448	900.5787	-135.43	-1.7766	1.43325	11.19825	-59.8862
7448_7449	7448	7449	-900.579	135.4295	1.7766	-1.43325	-5.82435	-349.686
7449_7449	7449	7449	900.4921	135.061	1.529325	-1.57815	5.857425	349.7083
7449_7450	7449	7450	-900.492	-135.061	-1.52933	1.57815	-10.4832	58.79318
7450_7450	7450	7450	908.0678	-55.9283	-0.86783	0.074025	10.26743	-58.7853
7450_7451	7450	7451	-908.068	55.92825	0.867825	-0.07403	-5.44635	-252.162
7451_7451	7451	7451	909.0097	-37.6551	-0.5481	-0.12285	5.48415	252.1622
7451_7452	7451	7452	-909.01	37.6551	0.5481	0.12285	-0.63	-585.36
7452_7452	7452	7452	912.7598	-4.47615	0.07875	-0.01418	0.370125	585.3598
7452_7453	7452	7453	-912.76	4.47615	-0.07875	0.014175	-1.49468	-649.925
7453_7453	7453	7453	917.3698	27.12465	0.19215	0.051975	1.797075	649.9253
7453_7454	7453	7454	-917.37	-27.1247	-0.19215	-0.05198	-3.18623	-454.501
7454_7454	7454	7454	916.4689	48.85493	-0.02835	0.0882	3.15	454.5025
7454_7455	7454	7455	-916.469	-48.8549	0.02835	-0.0882	-2.9484	-102.268
7455_7455	7455	7455	923.306	77.84753	0.85365	0.348075	4.21785	102.2711
7455_7456	7455	7456	-923.306	-77.8475	-0.85365	-0.34808	-13.5434	748.1502
7456_7456	7456	7456	921.2474	99.28013	0.0882	-0.60638	13.71983	-748.145
7456_7457	7456	7457	-921.247	-99.2801	-0.0882	0.606375	-14.027	1093.604
7457_7457	7457	7457	923.0051	104.6399	-30.6905	-0.28665	17.04623	-1093.58
7457_7110	7457	7110	-923.005	-104.64	30.69045	0.28665	108.6671	1537.434
7460_7132	7460	7132	842.4644	-141.788	15.3783	0.0945	-60.7525	-2112.9
7460_7461	7460	7461	-842.464	141.7878	-15.3783	-0.0945	-14.6286	1356.316
7461_7461	7461	7461	846.0128	-101.334	-1.79393	-0.7308	13.68833	-1356.33
7461_7462	7461	7462	-846.013	101.3339	1.793925	0.7308	-7.4277	1002.864
7462_7462	7462	7462	848.2021	-81.007	-1.0395	0.00945	7.678125	-1002.86
7462_7463	7462	7463	-848.202	81.00698	1.0395	-0.00945	3.67605	118.2321
7463_7463	7463	7463	844.0126	-55.8983	-0.3654	-0.04253	-3.41775	-118.238
7463_7464	7463	7464	-844.013	55.89833	0.3654	0.042525	6.046425	-284.618
7464_7464	7464	7464	845.0993	-35.8769	0.820575	-0.30398	-6.18975	284.6151
7464_7465	7464	7465	-845.099	35.87693	-0.82058	0.303975	0.27405	-542.988
7465_7465	7465	7465	845.2395	-8.29395	-0.01733	-0.08348	-0.20003	542.9781
7465_7466	7465	7466	-845.24	8.29395	0.017325	0.083475	0.4599	-662.552
7466_7466	7466	7466	847.2366	20.32223	-0.26775	0.127575	-0.063	662.5474
7466_7467	7466	7467	-847.237	-20.3222	0.26775	-0.12758	2.4381	-482.605
7467_7467	7467	7467	846.6397	37.74015	0.527625	-0.26775	-2.63813	482.6036
7467_7468	7467	7468	-846.64	-37.7402	-0.52763	0.26775	-0.2961	-272.866
7468_7468	7468	7468	841.8643	-143.49	1.198575	-0.42525	0.22995	272.8593
7468_7469	7468	7469	-841.864	143.4904	-1.19858	0.42525	-3.85245	-706.63
7469_7469	7469	7469	844.1039	144.1771	-0.86625	0.38115	-2.29635	713.0781
7469_7470	7469	7470	-844.104	-144.177	0.86625	-0.38115	4.914	-277.236
7470_7470	7470	7470	849.4211	-37.5149	0.2898	-0.0126	-4.5864	277.2394
7470_7471	7470	7471	-849.421	37.51493	-0.2898	0.0126	2.9736	-485.728
7471_7471	7471	7471	850.0212	-19.656	0.455175	-0.0441	-2.93265	485.7284
7471_7472	7471	7472	-850.021	19.656	-0.45518	0.0441	-1.10093	-659.952
7472_7472	7472	7472	848.8226	8.865675	-0.04253	0.0315	0.341775	659.9549
7472_7473	7472	7473	-848.823	-8.86568	0.042525	-0.0315	0.26145	-532.208
7473_7473	7473	7473	849.6117	38.22053	0.6237	-0.0252	-0.2709	532.213
7473_7474	7473	7474	-849.612	-38.2205	-0.6237	0.0252	-4.22258	-256.594
7474_7474	7474	7474	848.4935	57.95685	-0.56228	0.24255	4.099725	256.5959
7474_7475	7474	7475	-848.493	-57.9569	0.562275	-0.24255	-0.05198	161.0989
7475_7475	7475	7475	852.5428	84.75705	1.3041	0.171675	0.5229	-161.091
7475_7476	7475	7476	-852.543	-84.7571	-1.3041	-0.17168	-14.7625	1086.682
7476_7476	7476	7476	850.2638	105.1864	1.47105	0.0378	14.70263	-1086.68
7476_7477	7476	7477	-850.264	-105.186	-1.47105	-0.0378	-19.8324	1453.593
7477_7477	7477	7477	851.9396	109.6578	-26.6144	-0.22995	22.63905	-1453.57
7477_7148	7477	7148	-851.94	-109.658	26.61435	0.22995	86.33993	1902.595

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7480_7168	7480	7168	868.3873	-120.695	28.06335	0.441	-103.197	-2264.9
7480_7481	7480	7481	-868.387	120.6954	-28.0634	-0.441	-11.7133	1770.672
7481_7481	7481	7481	867.4218	-116.104	-1.95458	-2.8791	8.213625	-1770.65
7481_7482	7481	7482	-867.422	116.1043	1.954575	2.8791	-1.3986	1365.662
7482_7482	7482	7482	869.9607	-95.2623	0.27405	0.70245	2.3877	-1365.66
7482_7483	7482	7483	-869.961	95.2623	-0.27405	-0.70245	-5.38808	325.3509
7483_7483	7483	7483	867.5903	-67.862	-0.32288	-0.13545	4.912425	-325.354
7483_7484	7483	7484	-867.59	67.86203	0.322875	0.13545	-2.58458	-163.731
7484_7484	7484	7484	868.9338	-47.6768	-0.28823	-0.2016	2.578275	163.7307
7484_7485	7484	7485	-868.934	47.67683	0.288225	0.2016	-0.4977	-507.544
7485_7485	7485	7485	870.1056	-17.9928	-0.1512	-0.09923	0.855225	507.539
7485_7486	7485	7486	-870.106	17.9928	0.1512	0.099225	1.330875	-766.957
7486_7486	7486	7486	873.7234	11.76998	-0.189	0.1827	-0.60008	766.9526
7486_7487	7486	7487	-873.723	-11.77	0.189	-0.1827	2.27115	-662.744
7487_7487	7487	7487	873.2966	29.73285	0.628425	-0.38115	-2.54678	662.7427
7487_7488	7487	7488	-873.297	-29.7329	-0.62843	0.38115	-0.94815	-497.505
7488_7488	7488	7488	868.0046	-157.385	-0.34808	0.187425	1.113525	497.5079
7488_7489	7488	7489	-868.005	157.385	0.348075	-0.18743	-0.063	-973.281
7489_7489	7489	7489	869.3134	158.1206	-1.6569	-0.25673	3.8367	976.8245
7489_7490	7489	7490	-869.313	-158.121	1.6569	0.256725	1.170225	-498.832
7490_7490	7490	7490	874.9188	-29.2478	0.448875	-0.36225	-0.78593	498.8387
7490_7491	7490	7491	-874.919	29.24775	-0.44888	0.36225	-1.70888	-661.382
7491_7491	7491	7491	875.3393	-10.8565	-0.37485	0.2205	1.431675	661.3819
7491_7492	7491	7492	-875.339	10.85648	0.37485	-0.2205	1.89	-757.614
7492_7492	7492	7492	871.8539	18.38025	0.3087	0.067725	-2.02388	757.627
7492_7493	7492	7493	-871.854	-18.3803	-0.3087	-0.06773	-2.4318	-492.788
7493_7493	7493	7493	870.9167	48.39345	-0.44415	0.250425	2.18295	492.7892
7493_7494	7493	7494	-870.917	-48.3935	0.44415	-0.25043	1.015875	-143.812
7494_7494	7494	7494	869.5559	68.6259	0.7056	0.07875	-0.945	143.8117
7494_7495	7494	7495	-869.556	-68.6259	-0.7056	-0.07875	-4.14225	350.784
7495_7495	7495	7495	872.4445	96.0876	0.631575	0.168525	4.70295	-350.773
7495_7496	7495	7496	-872.444	-96.0876	-0.63158	-0.16853	-11.6015	1400.096
7496_7496	7496	7496	869.8867	116.991	0.801675	0.17325	11.52585	-1400.1
7496_7497	7496	7497	-869.887	-116.991	-0.80168	-0.17325	-14.3215	1808.182
7497_7497	7497	7497	871.0868	121.4073	-30.4117	-0.41895	17.02103	-1808.17
7497_7184	7497	7184	-871.087	-121.407	30.41168	0.41895	107.5064	2351.405
7500_7204	7500	7204	957.8882	-129.945	34.19955	0.842625	-142.07	-2371.69
7500_7501	7500	7501	-957.888	129.9454	-34.1996	-0.84263	2.03175	1816.115
7501_7501	7501	7501	957.5165	-124.628	0.96705	0.063	-3.58628	-1816.15
7501_7502	7501	7502	-957.517	124.6282	-0.96705	-0.063	0.212625	1381.423
7502_7502	7502	7502	960.2318	-101.619	0.7812	-0.20948	-0.29138	-1381.42
7502_7503	7502	7503	-960.232	101.619	-0.7812	0.209475	-8.23095	271.6765
7503_7503	7503	7503	952.2419	-71.253	0.0945	-0.2205	6.75675	-271.681
7503_7504	7503	7504	-952.242	71.253	-0.0945	0.2205	-7.43558	-241.838
7504_7504	7504	7504	953.6405	-49.0975	-1.16708	-0.06773	7.54425	241.835
7504_7505	7504	7505	-953.64	49.09748	1.167075	0.067725	0.86625	-595.886
7505_7505	7505	7505	947.8161	-15.6996	0.237825	-0.07403	-1.9341	595.8871
7505_7506	7505	7506	-947.816	15.6996	-0.23783	0.074025	-1.4994	-822.252
7506_7506	7506	7506	943.3195	18.48893	0.41265	0.2772	1.387575	822.2445
7506_7507	7506	7507	-943.319	-18.4889	-0.41265	-0.2772	-5.04	-658.542
7507_7507	7507	7507	942.7383	37.8819	1.2978	-0.43313	4.76595	658.5437
7507_7508	7507	7508	-942.738	-37.8819	-1.2978	0.433125	-11.9779	-448.018
7508_7508	7508	7508	928.609	-159.496	-1.43483	1.03005	12.45983	447.9883
7508_7509	7508	7509	-928.609	159.4955	1.434825	-1.03005	-8.12228	-930.135
7509_7509	7509	7509	928.7397	160.135	1.7388	-0.82845	8.078175	930.0359
7509_7510	7509	7510	-928.74	-160.135	-1.7388	0.82845	-13.334	-445.947
7510_7510	7510	7510	941.1885	-37.1228	-0.40793	-0.16065	12.83625	445.925
7510_7511	7510	7511	-941.189	37.12275	0.407925	0.16065	-10.5714	-652.233
7511_7511	7511	7511	941.7524	-17.7613	-1.2915	0.228375	10.30208	652.2374

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7511_7512	7511	7512	-941.752	17.76128	1.2915	-0.22838	1.129275	-809.498
7512_7512	7512	7512	944.2046	16.32645	0.19215	0.146475	-0.92768	809.4996
7512_7513	7512	7513	-944.205	-16.3265	-0.19215	-0.14648	-1.8396	-574.111
7513_7513	7513	7513	948.1689	49.65975	0.40635	0.2835	2.326275	574.1174
7513_7514	7513	7514	-948.169	-49.6598	-0.40635	-0.2835	-5.25578	-216.01
7514_7514	7514	7514	946.7577	71.68455	0.36855	0.1701	5.258925	216.0097
7514_7515	7514	7515	-946.758	-71.6846	-0.36855	-0.1701	-7.91438	300.6297
7515_7515	7515	7515	952.9695	101.7749	-0.38273	1.96245	9.0594	-300.606
7515_7516	7515	7516	-952.97	-101.775	0.382725	-1.96245	-4.88093	1412.039
7516_7516	7516	7516	950.2416	124.6093	-4.61003	-4.66358	6.6654	-1412.03
7516_7517	7516	7517	-950.242	-124.609	4.610025	4.663575	9.4122	1846.678
7517_7517	7517	7517	950.4306	130.4573	-48.143	-2.09003	-1.04895	-1846.67
7517_7220	7517	7220	-950.431	-130.457	48.14303	2.090025	198.1933	2380.893
7520_7240	7520	7240	934.7987	4.70925	51.1119	7.158375	-199.198	-3041.28
7520_7521	7520	7521	-934.799	-4.70925	-51.1119	-7.15838	74.97473	3052.726
7521_7521	7521	7521	928.5728	-159.615	9.067275	3.0618	-77.909	-3049.77
7521_7522	7521	7522	-928.573	159.6152	-9.06728	-3.0618	46.28925	2493.127
7522_7522	7522	7522	932.1417	-137.349	7.237125	-0.94815	-47.7005	-2493.1
7522_7523	7522	7523	-932.142	137.3495	-7.23713	0.94815	-31.3346	993.1226
7523_7523	7523	7523	929.3587	-104.111	-0.83003	0.259875	27.60345	-992.365
7523_7524	7523	7524	-929.359	104.1107	0.830025	-0.25988	-21.6216	241.9169
7524_7524	7524	7524	931.5212	-82.5253	-2.5704	-0.70718	21.45623	-241.931
7524_7525	7524	7525	-931.521	82.52528	2.5704	0.707175	-2.91848	-353.348
7525_7525	7525	7525	924.2147	-47.3681	-0.8694	-0.24255	1.371825	353.063
7525_7526	7525	7526	-924.215	47.36813	0.8694	0.24255	11.1699	-1035.89
7526_7526	7526	7526	916.6831	-13.0205	0.650475	-1.41593	-11.718	1035.082
7526_7527	7526	7527	-916.683	13.02053	-0.65048	1.415925	5.9535	-1150.38
7527_7527	7527	7527	916.7555	5.835375	-1.7829	1.752975	-4.58168	1150.383
7527_7528	7527	7528	-916.756	-5.83538	1.7829	-1.75298	14.49315	-1117.95
7528_7528	7528	7528	890.9618	-184.921	0.848925	-3.24923	-13.8002	1117.05
7528_7529	7528	7529	-890.962	184.9208	-0.84893	3.249225	11.23133	-1676.48
7529_7529	7529	7529	890.3255	181.355	-0.44573	2.899575	-11.1557	1675.357
7529_7530	7529	7530	-890.325	-181.355	0.445725	-2.89958	12.4992	-1128.48
7530_7530	7530	7530	905.7557	-7.4655	4.43835	-2.394	-11.7385	1128.05
7530_7531	7530	7531	-905.756	7.4655	-4.43835	2.394	-12.9292	-1169.55
7531_7531	7531	7531	905.7242	11.3589	1.384425	1.302525	11.15573	1169.565
7531_7532	7531	7532	-905.724	-11.3589	-1.38443	-1.30253	-23.4234	-1068.93
7532_7532	7532	7532	904.7147	43.1613	-0.90563	0.12915	22.63905	1068.471
7532_7533	7532	7533	-904.715	-43.1613	0.905625	-0.12915	-9.59648	-446.459
7533_7533	7533	7533	903.357	75.0456	-0.56858	0.637875	9.47835	446.3708
7533_7534	7533	7534	-903.357	-75.0456	0.568575	-0.63788	-5.37233	95.07645
7534_7534	7534	7534	901.3993	95.69543	-2.49008	0.303975	5.454225	-95.0733
7534_7535	7534	7535	-901.399	-95.6954	2.490075	-0.30398	12.48188	784.3673
7535_7535	7535	7535	898.3107	125.0393	7.20405	2.6649	-11.1872	-783.815
7535_7536	7535	7536	-898.311	-125.039	-7.20405	-2.6649	-67.5376	2150.116
7536_7536	7536	7536	895.1024	146.3474	4.786425	-5.01323	69.20393	-2150.06
7536_7537	7536	7537	-895.102	-146.347	-4.78643	5.013225	-85.8989	2660.436
7537_7537	7537	7537	899.5723	150.0314	-22.3067	-11.6267	90.45698	-2660.79
7537_7253	7537	7253	-899.572	-150.031	22.30673	11.62665	0.74025	3306.918
7540_7275	7540	7275	1333.208	-160.774	6.500025	10.27373	-137.611	-2589.61
7540_7541	7540	7541	-1333.21	160.7744	-6.50003	-10.2737	111.0155	1880.952
7541_7541	7541	7541	1331.852	-156.483	9.552375	1.189125	-111.242	-1885.43
7541_7542	7541	7542	-1331.85	156.4826	-9.55238	-1.18913	77.8428	1338.326
7542_7542	7542	7542	1335.337	-123.444	6.79455	0.275625	-78.6224	-1338.28
7542_7543	7542	7543	-1335.34	123.4438	-6.79455	-0.27563	4.465125	-9.072
7543_7543	7543	7543	1332.444	-82.1756	1.400175	-1.49783	-7.53165	7.879725
7543_7544	7543	7544	-1332.44	82.17563	-1.40018	1.497825	-2.5704	-600.436
7544_7544	7544	7544	1334.009	-50.7481	-2.2995	0.12915	3.129525	600.4341
7544_7545	7544	7545	-1334.01	50.74808	2.2995	-0.12915	13.4442	-966.231

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7545_7545	7545	7545	1327.196	-5.39123	-0.11025	-0.81743	-14.8664	964.5001
7545_7546	7545	7546	-1327.2	5.391225	0.11025	0.817425	16.4619	-1042.2
7546_7546	7546	7546	1319.48	40.24283	5.432175	-1.06943	-17.0746	1040.884
7546_7547	7546	7547	-1319.48	-40.2428	-5.43218	1.069425	-31.0448	-684.424
7547_7547	7547	7547	1318.354	67.96913	1.26	0.39375	31.98825	684.3816
7547_7548	7547	7548	-1318.35	-67.9691	-1.26	-0.39375	-38.9876	-306.867
7548_7548	7548	7548	1302.86	-208.634	-0.73868	1.4049	39.5388	304.2995
7548_7549	7548	7549	-1302.86	208.634	0.738675	-1.4049	-37.3086	-934.956
7549_7549	7549	7549	1309.26	212.551	-2.3058	-2.016	37.55273	938.1944
7549_7550	7549	7550	-1309.26	-212.551	2.3058	2.016	-30.681	-304.929
7550_7550	7550	7550	1321.835	-73.8045	3.309075	-0.70403	29.95965	303.0111
7550_7551	7550	7551	-1321.83	73.8045	-3.30908	0.704025	-48.677	-720.545
7551_7551	7551	7551	1323.205	-42.8117	0.137025	-0.14175	47.87843	720.5987
7551_7552	7551	7552	-1323.2	42.81165	-0.13703	0.14175	-49.0345	-1081.32
7552_7552	7552	7552	1323.995	11.22188	-0.31185	-0.37485	47.76975	1081.006
7552_7553	7552	7553	-1324	-11.2219	0.31185	0.37485	-43.3692	-923.022
7553_7553	7553	7553	1323.032	63.57803	0.6993	0.540225	42.61163	922.9689
7553_7554	7553	7554	-1323.03	-63.578	-0.6993	-0.54023	-47.5335	-475.091
7554_7554	7554	7554	1321.003	96.99165	-1.11038	0.0063	47.30985	475.1145
7554_7555	7554	7555	-1321	-96.9917	1.110375	-0.0063	-39.4884	207.6055
7555_7555	7555	7555	1321.49	146.0734	-6.33308	1.6065	41.33115	-206.427
7555_7556	7555	7556	-1321.49	-146.073	6.333075	-1.6065	26.1324	1762.381
7556_7556	7556	7556	1316.884	182.9756	-6.90165	1.548225	-25.8694	-1762.39
7556_7557	7556	7557	-1316.88	-182.976	6.90165	-1.54823	49.53375	2389.725
7557_7557	7557	7557	1362.284	66.5973	-106.809	-8.7759	-43.7582	-2389.11
7557_7288	7557	7288	-1362.28	-66.5973	106.8086	8.7759	489.8549	2720.605
47000_7000	47000	7000	1.574213	199.6922	16.85119	4.54545	0	-3.89156
47000_7001	47000	7001	-1.57421	-188.869	-16.8512	-4.54545	-177.041	2045.083
47001_7001	47001	7001	1.574213	188.869	16.85119	4.556213	177.0405	-2045.08
47001_7002	47001	7002	-1.57421	-179.191	-16.8512	-4.55621	-335.375	3774.272
47002_7002	47002	7002	1.475775	145.8345	-15.346	8.391863	335.3747	-3774.27
47002_7003	47002	7003	-1.47578	-133.364	15.34601	-8.39186	-149.577	5464.477
47003_7003	47003	7003	1.461338	133.3637	-15.346	3.322725	149.5775	-5464.48
47003_7004	47003	7004	-1.46134	-120.883	15.34601	-3.32273	36.36806	7004.729
47004_7004	47004	7004	1.503338	95.58859	1.440338	10.53176	-36.3681	-7004.73
47004_7005	47004	7005	-1.50334	-83.1206	-1.44034	-10.5318	18.92756	8086.362
47005_7005	47005	7005	1.50465	83.12063	1.438763	-3.58208	-18.9276	-8086.37
47005_7006	47005	7006	-1.50465	-70.6451	-1.43876	3.582075	1.506488	9017.58
47006_7006	47006	7006	1.504913	45.99735	0.998288	9.941925	-1.50649	-9017.65
47006_7007	47006	7007	-1.50491	-33.5218	-0.99829	-9.94193	-10.5746	9499.184
47007_7007	47007	7007	1.506488	33.52178	0.995138	-6.61474	10.57455	-9499.19
47007_7008	47007	7008	-1.50649	-21.0412	-0.99514	6.614738	-22.6299	9829.792
47008_7008	47008	7008	1.503338	-3.60623	-0.31763	8.290538	22.62986	-9829.85
47008_7009	47008	7009	-1.50334	16.07708	0.317625	-8.29054	-18.7732	9710.7
47009_7009	47009	7009	1.502025	-16.0771	-0.32078	-8.62365	18.77321	-9710.7
47009_7010	47009	7010	-1.50203	28.5558	0.320775	8.62365	-14.883	9440.348
47010_7010	47010	7010	1.509375	-52.49	1.0878	5.2815	14.88296	-9440.4
47010_7011	47010	7011	-1.50938	64.96718	-1.0878	-5.2815	-28.05	8729.019
47011_7011	47011	7011	1.512263	-64.9672	1.08465	-9.02055	28.04996	-8729.02
47011_7012	47011	7012	-1.51226	77.43986	-1.08465	9.02055	-41.1865	7866.685
47012_7012	47012	7012	1.502025	-102.103	-1.57999	2.639175	41.18651	-7866.74
47012_7013	47012	7013	-1.50203	114.5757	1.579988	-2.63918	-22.0537	6554.79
47013_7013	47013	7013	1.50045	-114.576	-1.58314	-8.75543	22.05368	-6554.79
47013_7014	47013	7014	-1.50045	127.0576	1.583138	8.755425	-2.87831	5090.836
47014_7014	47014	7014	1.512788	-146.606	2.319188	-2.85705	2.878313	-5090.86
47014_7015	47014	7015	-1.51279	162.9248	-2.31919	2.85705	-39.617	2639.063
47015_7015	47015	7015	2.941575	-162.906	2.316038	-7.67445	39.5514	-2638.22
47015_7016	47015	7016	-3.01429	171.4107	-2.31604	7.67445	-58.6845	1257.909
47016_7016	47016	7016	5.968725	-208.843	-1.00328	-5.15498	51.28305	-248.219

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47016_7017	47016	7017	-6.2727	220.7412	1.003275	5.154975	-39.4881	-2413.03
47017_7017	47017	7017	11.67364	-220.521	-1.00511	-1.974	39.55613	2412.964
47017_7018	47017	7018	-12.3459	233.9371	1.005113	1.974	-26.2311	-5449.1
47018_7018	47018	7018	20.44508	-263.349	0.273263	-13.2208	25.37614	5448.998
47018_7019	47018	7019	-21.398	276.0085	-0.27326	13.22081	-28.7986	-8844.79
47019_7019	47019	7019	28.62248	-275.352	0.271425	6.5982	30.53505	8844.789
47019_7020	47019	7020	-29.9121	288.0103	-0.27143	-6.5982	-33.9455	-12454.4
47020_7020	47020	7020	-1018.16	100.6942	-8.36955	-4.25329	190.8622	2945.446
47020_7021	47020	7021	1018.16	-91.0728	8.36955	4.253288	-111.363	-1976.87
47021_7021	47021	7021	-1018.16	91.0728	-7.76659	-1.20566	111.363	1730.885
47021_7022	47021	7022	1018.164	-83.2275	7.766588	1.205663	-51.1949	-1055.66
47022_7022	47022	7022	-1018.17	83.22746	-6.46118	0.147788	51.19485	1055.663
47022_7023	47022	7023	1018.172	-75.3824	6.461175	-0.14779	-1.15421	-441.317
47023_7023	47023	7023	-1018.19	48.84758	-3.3264	-1.80679	1.154213	441.2355
47023_7024	47023	7024	1018.188	-40.7379	3.3264	1.806788	25.47484	-82.5623
47024_7024	47024	7024	-1018.19	40.7379	-2.19791	-1.71623	-25.4748	82.56386
47024_7025	47024	7025	1018.192	-32.6406	2.197913	1.716225	43.05131	210.8172
47025_7025	47025	7025	-1018.19	32.64056	-2.19791	-1.71623	-43.0513	-210.817
47025_7026	47025	7026	1018.192	-24.5422	2.197913	1.716225	60.62779	439.4434
47026_7026	47026	7026	-1018.19	-2.47091	-1.96298	-0.93713	-60.6278	-439.507
47026_7027	47026	7027	1018.194	8.551725	1.962975	0.937125	72.4164	406.4141
47027_7027	47027	7027	-1018.19	-8.55173	-2.14436	-0.86389	-72.4164	-406.414
47027_7028	47027	7028	1018.194	14.62335	2.144363	0.863888	85.27234	336.9566
47028_7028	47028	7028	-1018.2	-14.6234	-0.27773	-1.48208	-85.2723	-336.954
47028_7029	47028	7029	1018.197	20.70285	0.277725	1.482075	86.93344	230.9241
47029_7029	47029	7029	-1018.2	-20.7029	-0.27773	-1.48208	-86.9334	-230.924
47029_7030	47029	7030	1018.197	26.78235	0.277725	1.482075	88.59716	88.39845
47030_7030	47030	7030	-1018.2	-53.3649	0.436013	-1.2516	-88.5972	-88.4111
47030_7031	47030	7031	1018.199	61.46175	-0.43601	1.2516	85.10906	-370.501
47031_7031	47031	7031	-1018.2	-61.4618	0.567788	-1.20173	-85.1091	370.5014
47031_7032	47031	7032	1018.199	69.56539	-0.56779	1.201725	80.55784	-894.81
47032_7032	47032	7032	-1018.2	-69.5654	1.83435	-0.09083	-80.5578	894.8113
47032_7033	47032	7033	1018.197	77.67008	-1.83435	0.090825	65.88251	-1483.91
47033_7033	47033	7033	-1018.2	-104.719	3.008775	-0.9534	-65.8825	1483.939
47033_7034	47033	7034	1018.197	112.5645	-3.00878	0.9534	42.56595	-2325.84
47034_7034	47034	7034	-1018.2	-112.564	1.701788	-3.9396	-42.566	2325.838
47034_7035	47034	7035	1018.198	120.4143	-1.70179	3.9396	29.37926	-3228.68
47035_7035	47035	7035	-1018.19	-120.414	3.652163	3.174938	-29.3793	3487.57
47035_7036	47035	7036	1018.194	130.0341	-3.65216	-3.17494	-5.30722	-4723.67
47036_7036	47036	7036	30.87	251.3511	1.176263	-5.16023	-26.5385	14437.89
47036_7037	47036	7037	-29.5801	-238.693	-1.17626	5.160225	11.75003	-11440.5
47037_7037	47037	7037	23.31683	239.385	1.17285	4.05405	-12.5528	11440.47
47037_7038	47037	7038	-22.3624	-226.727	-1.17285	-4.05405	-2.14699	-8460.64
47038_7038	47038	7038	15.10294	197.1176	-1.94618	-7.33163	2.816625	8460.875
47038_7039	47038	7039	-14.4302	-183.696	1.946175	7.331625	23.00235	-5941.59
47039_7039	47039	7039	-4.74679	285.8712	-0.74576	30.49961	-25.9922	20651.46
47039_7040	47039	7040	5.047613	-274.134	0.745763	-30.4996	34.76813	-17596
47040_7040	47040	7040	-9.96083	234.4637	2.707425	-17.8629	-33.8197	17596.8
47040_7041	47040	7041	10.03328	-226.229	-2.70743	17.86286	11.49514	-15899.3
47041_7041	47041	7041	-12.0186	226.1325	2.729738	9.54975	-11.6519	15895.6
47041_7042	47041	7042	12.01856	-210.727	-2.72974	-9.54975	-30.4581	-11486.1
47042_7042	47042	7042	-12.0306	182.9268	-2.35069	-6.66461	30.45814	11486.24
47042_7043	47042	7043	12.03064	-171.043	2.350688	6.664613	-2.48666	-9380.1
47043_7043	47043	7043	-12.0333	171.0434	-2.33048	9.034463	2.486663	9380.102
47043_7044	47043	7044	12.03326	-159.165	2.330475	-9.03446	25.24148	-7415.66
47044_7044	47044	7044	-12.0236	135.734	0.6237	-0.93293	-25.2415	7415.689
47044_7045	47044	7045	12.02355	-123.841	-0.6237	0.932925	17.82743	-5870.27
47045_7045	47045	7045	-12.022	123.8415	0.6321	3.543225	-17.8274	5870.267
47045_7046	47045	7046	12.02198	-111.964	-0.6321	-3.54323	10.31021	-4467.64

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47046_7046	47046	7046	-12.0233	87.98738	0.029138	-1.63091	-10.3102	4467.636
47046_7047	47046	7047	12.02329	-76.1009	-0.02914	1.630913	9.961088	-3490.93
47047_7047	47047	7047	-12.0246	76.10085	0.049613	4.211025	-9.96109	3490.93
47047_7048	47047	7048	12.0246	-64.2143	-0.04961	-4.21103	9.371513	-2655.85
47048_7048	47048	7048	-12.0278	40.06564	-0.74813	0.254625	-9.37151	2655.845
47048_7049	47048	7049	12.02775	-28.1807	0.748125	-0.25463	18.25976	-2249.71
47049_7049	47049	7049	-12.0278	28.18069	-0.7371	2.138063	-18.2598	2249.711
47049_7050	47049	7050	12.02775	-16.2957	0.7371	-2.13806	27.02674	-1985.04
47050_7050	47050	7050	-12.0217	-5.63798	1.388363	-0.68198	-27.0267	1985.028
47050_7051	47050	7051	12.02171	21.03675	-1.38836	0.681975	5.611725	-2519.31
47051_7051	47051	7051	-11.8411	-21.1376	1.408838	3.173888	-5.58521	2520.676
47051_7052	47051	7052	11.77339	29.37191	-1.40884	-3.17389	-6.0333	-2544.16
47052_7052	47052	7052	-10.4829	-62.6099	0.100538	-3.14239	5.930138	2544.064
47052_7053	47052	7053	10.19629	74.35024	-0.10054	3.142388	-7.11506	-3301.63
47053_7053	47053	7053	-10.7557	-68.0628	-0.15514	3.950888	-4.8069	2705.904
47053_7054	47053	7054	10.11439	80.96051	0.155138	-3.95089	6.859388	-3687.92
47054_7054	47054	7054	-6.03067	-108.644	-0.17929	-3.06705	-7.29829	3687.907
47054_7055	47054	7055	5.120325	120.8075	0.179288	3.06705	9.53505	-5103.87
47055_7055	47055	7055	-1.97663	-120.902	-0.1575	5.2059	-8.80058	5103.871
47055_7056	47055	7056	0.748125	133.0639	0.1575	-5.2059	10.76093	-6714.59
47056_7056	47056	7056	-589.831	139.0505	-1.77476	-0.89539	-27.741	3259.939
47056_7057	47056	7057	589.8312	-129.797	1.774763	0.895388	44.62001	-1949.75
47057_7057	47057	7057	-589.833	129.7973	-1.09751	1.404375	-44.62	1918.041
47057_7058	47057	7058	589.8328	-122.253	1.097513	-1.40438	53.12685	-941.222
47058_7058	47058	7058	-589.835	122.2531	-0.33941	2.615288	-53.1269	941.219
47058_7059	47058	7059	589.8346	-114.709	0.339413	-2.61529	55.75211	-22.9619
47059_7059	47059	7059	-589.825	88.41683	-0.40005	2.282175	-55.7521	23.01653
47059_7060	47059	7060	589.8252	-80.6366	0.40005	-2.28218	58.94096	652.4422
47060_7060	47060	7060	-589.824	80.63659	0.389813	1.410413	-58.941	-652.445
47060_7061	47060	7061	589.8239	-72.8498	-0.38981	-1.41041	55.8201	1266.422
47061_7061	47061	7061	-589.823	72.84979	1.1256	-0.16958	-55.8201	-1266.42
47061_7062	47061	7062	589.8225	-65.063	-1.1256	0.169575	46.81845	1818.055
47062_7062	47062	7062	-589.82	39.63409	0.803775	3.776588	-46.8185	-1818.15
47062_7063	47062	7063	589.8197	-33.7906	-0.80378	-3.77659	41.99134	2038.602
47063_7063	47063	7063	-589.818	33.79058	1.784475	0.388763	-41.9913	-2038.61
47063_7064	47063	7064	589.8183	-27.9473	-1.78448	-0.38876	31.28055	2223.943
47064_7064	47064	7064	-589.818	27.94733	1.718325	0.643125	-31.2806	-2223.94
47064_7065	47064	7065	589.8183	-22.112	-1.71833	-0.64313	20.99003	2373.971
47065_7065	47065	7065	-589.818	22.11195	1.784475	0.373013	-20.99	-2373.97
47065_7066	47065	7066	589.8183	-16.2687	-1.78448	-0.37301	10.27924	2489.192
47066_7066	47066	7066	-589.818	-9.66131	2.387175	1.483125	-10.2792	-2489.16
47066_7067	47066	7067	589.8178	17.44654	-2.38718	-1.48313	-8.80793	2380.751
47067_7067	47067	7067	-589.818	-17.4465	2.387175	1.483125	8.807925	-2380.75
47067_7068	47067	7068	589.8178	25.2315	-2.38718	-1.48313	-27.8951	2210.086
47068_7068	47068	7068	-589.818	-25.2315	2.436	1.299375	27.89509	-2210.09
47068_7069	47068	7069	589.8178	33.02618	-2.436	-1.29938	-47.397	1976.838
47069_7069	47069	7069	-589.802	-58.0931	3.897075	2.696925	47.397	-1976.79
47069_7070	47069	7070	589.8018	65.63261	-3.89708	-2.69693	-77.5892	1497.589
47070_7070	47070	7070	-589.797	-65.6326	4.658063	0.765975	77.58923	-1497.59
47070_7071	47070	7071	589.7973	73.17214	-4.65806	-0.76598	-113.663	960.0381
47071_7071	47071	7071	-589.794	-73.1721	4.714238	1.029263	113.6633	-915.541
47071_7072	47071	7072	589.7945	82.41739	-4.71424	-1.02926	-158.451	178.34
47072_7072	47072	7072	20.60678	195.8116	0.621338	2.05905	58.47004	2851.423
47072_7073	47072	7073	-19.3736	-183.641	-0.62134	-2.05905	-66.2894	-443.15
47073_7073	47073	7073	14.59159	184.0818	0.622388	0.6825	66.29385	443.1551
47073_7074	47073	7074	-13.6781	-171.913	-0.62239	-0.6825	-74.0877	1810.958
47074_7074	47074	7074	7.731675	139.4999	-1.54849	2.547563	73.89401	-1810.99
47074_7075	47074	7075	-7.08593	-126.61	1.548488	-2.54756	-53.3579	3664.106
47075_7075	47075	7075	5.831175	231.3182	-1.8228	18.05396	57.77651	12590.12

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47075_7076	47075	7076	-5.55844	-220.179	1.8228	-18.054	-36.3455	-9857.25
47076_7076	47076	7076	1.751925	182.3543	1.6779	-4.60215	36.81878	9857.608
47076_7077	47076	7077	-1.68446	-174.528	-1.6779	4.60215	-50.6657	-8097.69
47077_7077	47077	7077	0.213413	174.5378	1.677375	4.9728	50.62575	8097.614
47077_7078	47077	7078	-0.21341	-161.28	-1.67738	-4.9728	-74.0801	-5749.95
47078_7078	47078	7078	0.206588	140.3737	-1.31093	-0.82294	74.08013	5749.959
47078_7079	47078	7079	-0.20659	-129.758	1.310925	0.822938	-59.3998	-4237.68
47079_7079	47079	7079	0.205013	129.7582	-1.31276	2.75415	59.39981	4237.679
47079_7080	47079	7080	-0.20501	-119.152	1.312763	-2.75415	-44.7326	-2845.52
47080_7080	47080	7080	0.206325	97.9503	-0.6069	-0.36041	44.73263	2845.54
47080_7081	47080	7081	-0.20633	-87.3458	0.6069	0.360412	-37.942	-1809.27
47081_7081	47081	7081	0.206325	87.34583	-0.60795	1.339538	37.94201	1809.266
47081_7082	47081	7082	-0.20633	-76.7319	0.60795	-1.33954	-31.1422	-890.884
47082_7082	47082	7082	0.206588	54.08918	-0.13178	0.013913	31.14221	890.9035
47082_7083	47082	7083	-0.20659	-42.6891	0.131775	-0.01391	-29.558	-309.024
47083_7083	47083	7083	0.2079	42.68906	-0.1323	0.270637	29.55803	309.0237
47083_7084	47083	7084	-0.2079	-31.2876	0.1323	-0.27064	-27.9712	135.7372
47084_7084	47084	7084	0.205275	8.84625	-0.36199	-0.30345	27.97121	-135.735
47084_7085	47084	7085	-0.20528	1.7661	0.361988	0.30345	-23.9313	175.3629
47085_7085	47085	7085	0.2037	-1.7661	-0.3612	-0.45491	23.93134	-175.364
47085_7086	47085	7086	-0.2037	12.36743	0.3612	0.454913	-19.8944	96.3417
47086_7086	47086	7086	0.2037	-33.9171	-1.15763	-0.98175	19.89435	-96.3651
47086_7087	47086	7087	-0.2037	44.52788	1.157625	0.98175	-6.93053	-342.596
47087_7087	47087	7087	0.200813	-44.5279	-1.1592	-0.37039	6.930525	342.5974
47087_7088	47087	7088	-0.20081	55.13865	1.1592	0.370388	6.035925	-900.268
47088_7088	47088	7088	0.206325	-73.8759	0.599288	-2.51816	-6.03593	900.2771
47088_7089	47088	7089	-0.20633	86.63025	-0.59929	2.518163	-2.02493	-2138.27
47089_7089	47089	7089	0.955238	-86.625	0.598763	1.0899	2.03385	2138.316
47089_7090	47089	7090	-1.02139	94.44488	-0.59876	-1.0899	-6.9741	-2944.72
47090_7090	47090	7090	3.36105	-125.546	-0.41501	-4.81058	6.843638	2944.609
47090_7091	47090	7091	-3.63983	136.6872	0.415013	4.810575	-1.97347	-4352.91
47091_7091	47091	7091	4.198163	-130.993	-0.72949	2.189775	-5.62774	3884.318
47091_7092	47091	7092	-4.8111	143.2421	0.729488	-2.18978	15.29903	-5739.83
47092_7092	47092	7092	10.458	-170.653	-0.45623	-6.9195	-15.9542	5739.688
47092_7093	47092	7093	-11.3274	182.2104	0.456225	6.9195	21.67856	-7995.42
47093_7093	47093	7093	16.07104	-181.854	-0.45439	6.116775	-20.586	7995.425
47093_7094	47093	7094	-17.2444	193.4084	0.454387	-6.11678	26.2752	-10195.8
47094_7094	47094	7094	-778.16	117.8494	-2.26879	-2.9778	5.820938	3737.812
47094_7095	47094	7095	778.1597	-109.061	2.268788	2.9778	15.73609	-2659.28
47095_7095	47095	7095	-778.161	109.0609	-1.56424	-0.50768	-15.7361	2628.113
47095_7096	47095	7096	778.1608	-101.902	1.564238	0.507675	27.84836	-1811.18
47096_7096	47096	7096	-778.164	101.9022	-0.52631	1.9068	-27.8484	1811.181
47096_7097	47096	7097	778.1637	-94.7315	0.526313	-1.9068	31.92683	-1048.79
47097_7097	47097	7097	-778.164	70.06204	-0.69011	-0.81401	-31.9268	1048.788
47097_7098	47097	7098	778.1645	-62.6706	0.690113	0.814013	37.4409	-518.226
47098_7098	47098	7098	-778.163	62.67056	0.315788	-0.1449	-37.4409	518.2265
47098_7099	47098	7099	778.1631	-55.2696	-0.31579	0.1449	34.92195	-46.2207
47099_7099	47099	7099	-778.162	55.26964	1.286513	-0.08584	-34.922	46.22074
47099_7100	47099	7100	778.1616	-47.8703	-1.28651	0.085837	24.62486	366.5374
47100_7100	47100	7100	-778.168	23.6355	0.39375	-0.22155	-24.6249	-366.48
47100_7101	47100	7101	778.1679	-18.0947	-0.39375	0.22155	22.27234	491.5239
47101_7101	47101	7101	-778.165	18.09465	1.7283	-1.06733	-22.2723	-491.525
47101_7102	47101	7102	778.165	-12.5446	-1.7283	1.067325	11.88941	583.4842
47102_7102	47102	7102	-778.168	12.54461	-0.86179	0.87675	-11.8894	-583.486
47102_7103	47102	7103	778.1679	-6.99563	0.861788	-0.87675	17.06276	642.1377
47103_7103	47103	7103	-778.168	6.995625	0.39375	-0.15724	-17.0628	-642.139
47103_7104	47103	7104	778.1679	-1.45346	-0.39375	0.157238	14.71024	667.4567
47104_7104	47104	7104	-778.166	-22.9107	-0.08662	0.44205	-14.7102	-667.512
47104_7105	47104	7105	778.1663	30.31166	0.086625	-0.44205	15.4056	454.5177

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47105_7105	47105	7105	-778.165	-30.3117	0.8841	-0.12548	-15.4056	-454.518
47105_7106	47105	7106	778.165	37.71101	-0.8841	0.125475	8.321513	182.3063
47106_7106	47106	7106	-778.165	-37.711	0.855225	-0.1197	-8.32151	-182.306
47106_7107	47106	7107	778.165	45.10091	-0.85523	0.1197	1.481813	-148.675
47107_7107	47107	7107	-778.163	-69.4268	1.78395	-0.06825	-1.48181	148.6918
47107_7108	47107	7108	778.1634	76.59619	-1.78395	0.06825	-12.3488	-714.75
47108_7108	47108	7108	-778.163	-76.5962	1.78395	-0.06825	12.34879	714.7505
47108_7109	47108	7109	778.1634	83.7627	-1.78395	0.06825	-26.1778	-1336.38
47109_7109	47109	7109	-778.16	-83.7627	2.552813	1.38705	26.17781	1377.879
47109_7110	47109	7110	778.1597	92.53991	-2.55281	-1.38705	-50.4213	-2236.89
47110_7110	47110	7110	23.59324	221.2114	0.326288	-4.1727	14.70026	8521.491
47110_7111	47110	7111	-22.4154	-209.65	-0.32629	4.1727	-18.7976	-5786.7
47111_7111	47111	7111	16.94385	210.1656	0.325238	4.472475	17.99411	5786.701
47111_7112	47111	7112	-16.0729	-198.605	-0.32524	-4.47248	-22.0626	-3198.24
47112_7112	47112	7112	9.5781	168.6712	-0.47854	-1.61464	22.44506	3198.34
47112_7113	47112	7113	-8.96359	-156.426	0.478538	1.614638	-16.096	-1041.56
47113_7113	47113	7113	11.35365	262.1708	-0.53471	16.37633	3.203813	17384.37
47113_7114	47113	7114	-11.0812	-251.324	0.534713	-16.3763	3.09015	-14275.3
47114_7114	47114	7114	6.653063	215.8931	0.85575	-3.66424	-2.64705	14275.82
47114_7115	47114	7115	-6.58691	-208.276	-0.85575	3.664238	-4.41866	-13442
47115_7115	47115	7115	4.784588	208.3263	0.85365	3.150788	4.384275	13441.75
47115_7116	47115	7116	-4.78459	-195.43	-0.85365	-3.15079	-16.3094	-9288.9
47116_7116	47116	7116	4.78485	173.055	-0.59929	-2.49401	16.30939	9288.902
47116_7117	47116	7117	-4.78485	-162.726	0.599288	2.494013	-9.60068	-7409.87
47117_7117	47117	7117	4.78485	162.7261	-0.6027	4.008113	9.600675	7409.872
47117_7118	47117	7118	-4.78485	-152.405	0.6027	-4.00811	-2.85311	-5648
47118_7118	47118	7118	4.783538	132.0147	-0.06746	0.70035	2.853113	5647.957
47118_7119	47118	7119	-4.78354	-121.686	0.067463	-0.70035	-2.08845	-4228.32
47119_7119	47119	7119	4.783538	121.6858	-0.06746	0.70035	2.08845	4228.315
47119_7120	47119	7120	-4.78354	-111.358	0.067463	-0.70035	-1.3251	-2924.27
47120_7120	47120	7120	4.78485	89.22323	-0.06431	-1.12114	1.3251	2924.32
47120_7121	47120	7121	-4.78485	-78.1289	0.064313	1.121138	-0.56254	-1918.43
47121_7121	47121	7121	4.783538	78.12893	-0.07193	2.070338	0.562538	1918.427
47121_7122	47121	7122	-4.78354	-67.0346	0.071925	-2.07034	0.293475	-1045.93
47122_7122	47122	7122	4.783538	44.77673	-0.07455	0.074288	-0.29348	1045.928
47122_7123	47122	7123	-4.78354	-34.4479	0.07455	-0.07429	1.124813	-602.633
47123_7123	47123	7123	4.78485	34.44788	-0.07954	0.613988	-1.12481	602.6333
47123_7124	47123	7124	-4.78485	-24.1203	0.079538	-0.61399	2.002088	-274.924
47124_7124	47124	7124	4.78485	2.230987	-0.14989	0.014437	-2.00209	274.9249
47124_7125	47124	7125	-4.78485	8.096288	0.149888	-0.01444	3.67605	-307.738
47125_7125	47125	7125	4.78485	-8.09629	-0.15803	0.563063	-3.67605	307.7387
47125_7126	47125	7126	-4.78485	18.42514	0.158025	-0.56306	5.4453	-456.126
47126_7126	47126	7126	4.784063	-37.7806	0.2646	-0.41239	-5.4453	456.1665
47126_7127	47126	7127	-4.78406	50.2593	-0.2646	0.412388	1.8732	-1051.33
47127_7127	47127	7127	5.2122	-50.2155	0.2583	0.940275	-1.86506	1052.582
47127_7128	47127	7128	-5.27678	57.83059	-0.2583	-0.94028	-0.2625	-1498.31
47128_7128	47128	7128	7.00245	-89.8346	-0.15829	-1.38206	0.218662	1498.213
47128_7129	47128	7129	-7.27151	100.6787	0.158288	1.382063	1.650075	-2801.09
47129_7129	47129	7129	4.564875	-93.2054	1.009575	2.156438	9.305362	2105.179
47129_7130	47129	7130	-5.19934	105.8523	-1.00958	-2.15644	-22.696	-3419.39
47130_7130	47130	7130	10.09733	-135.511	-1.12061	-0.12915	22.61175	3419.305
47130_7131	47130	7131	-10.9967	147.4418	1.120613	0.12915	-8.57325	-5213.09
47131_7131	47131	7131	15.88729	-146.994	-1.1193	3.045788	8.941013	5213.083
47131_7132	47131	7132	-17.1	158.1421	1.1193	-3.04579	4.2168	-7059.38
47132_7132	47132	7132	-631.302	117.9686	5.106413	2.07585	-72.6332	3027.99
47132_7133	47132	7133	631.3017	-108.119	-5.10641	-2.07585	19.92165	-1773.19
47133_7133	47133	7133	-631.309	108.1185	4.293975	-1.13978	-19.9217	1637.065
47133_7134	47133	7134	631.3086	-100.721	-4.29398	1.139775	-13.3542	-827.81
47134_7134	47134	7134	-631.317	100.7207	2.667	-3.27023	13.35416	827.805

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47134_7135	47134	7135	631.3175	-93.3151	-2.667	3.270225	-34.0526	-74.939
47135_7135	47135	7135	-631.311	68.9346	-0.99934	0.442313	34.05255	75.00465
47135_7136	47135	7136	631.3107	-61.3085	0.999338	-0.44231	-26.0657	445.3284
47136_7136	47136	7136	-631.312	61.30845	-0.20685	-0.11813	26.06573	-445.327
47136_7137	47136	7137	631.3117	-53.6726	0.20685	0.118125	-24.4206	905.2599
47137_7137	47137	7137	-631.312	53.67259	-0.20685	-0.11813	24.42064	-905.26
47137_7138	47137	7138	631.3117	-46.037	0.20685	0.118125	-22.7753	1304.105
47138_7138	47138	7138	-631.308	22.80705	-1.18729	1.93515	22.77529	-1304.15
47138_7139	47138	7139	631.308	-17.079	1.187288	-1.93515	-15.6442	1423.808
47139_7139	47139	7139	-631.31	17.07904	-0.1365	-0.4368	15.64421	-1423.81
47139_7140	47139	7140	631.3096	-11.3523	0.1365	0.4368	-14.8247	1509.105
47140_7140	47140	7140	-631.31	11.35234	-0.1365	-0.4368	14.82469	-1509.1
47140_7141	47140	7141	631.3096	-5.62538	0.1365	0.4368	-14.0078	1560.04
47141_7141	47141	7141	-631.31	5.625375	-0.1365	-0.4368	14.00779	-1560.04
47141_7142	47141	7142	631.3096	0.102638	0.1365	0.4368	-13.1896	1576.612
47142_7142	47142	7142	-631.311	-24.5732	-0.72896	1.395975	13.18958	-1576.67
47142_7143	47142	7143	631.3115	32.20875	0.728963	-1.39598	-7.35341	1349.529
47143_7143	47143	7143	-631.312	-32.2088	0.058538	-0.28928	7.353413	-1349.53
47143_7144	47143	7144	631.3117	39.84566	-0.05854	0.289275	-7.83143	1061.309
47144_7144	47144	7144	-631.312	-39.8457	0.058538	-0.28928	7.831425	-1061.31
47144_7145	47144	7145	631.3117	47.47995	-0.05854	0.289275	-8.30813	712.0026
47145_7145	47145	7145	-631.319	-72.0523	0.568313	0.31605	8.308125	-712.058
47145_7146	47145	7146	631.3185	79.45009	-0.56831	-0.31605	-12.7097	124.9784
47146_7146	47146	7146	-631.32	-79.4501	-0.24675	0.479325	12.70973	-124.977
47146_7147	47146	7147	631.3196	86.84786	0.24675	-0.47933	-10.7985	-519.434
47147_7147	47147	7147	-631.319	-86.8479	0.504	1.18965	10.79846	638.4669
47147_7148	47147	7148	631.3185	95.91514	-0.504	-1.18965	-15.5836	-1506.59
47148_7148	47148	7148	25.71135	190.6934	0.46305	-1.1697	-5.17414	5246.66
47148_7149	47148	7149	-24.5033	-178.763	-0.46305	1.1697	-0.64575	-2925.72
47149_7149	47149	7149	19.82689	179.3418	0.458325	1.147125	0.439687	2925.718
47149_7150	47149	7150	-18.9323	-167.41	-0.45832	-1.14713	-6.18109	-752.42
47150_7150	47150	7150	13.11135	135.0108	-1.04029	-0.69169	6.291075	752.34
47150_7151	47150	7151	-12.48	-122.365	1.040288	0.691688	7.52325	954.9277
47151_7151	47151	7151	23.24805	243.2448	0.793013	7.285425	6.98985	14543.23
47151_7152	47151	7152	-22.963	-231.549	-0.79301	-7.28543	-16.3049	-11752.9
47152_7152	47152	7152	18.92205	191.5667	-1.2453	6.698475	16.42148	11752.83
47152_7153	47152	7153	-18.8543	-183.355	1.2453	-6.69848	-6.1425	-10206.2
47153_7153	47153	7153	17.31398	183.5069	-1.22929	-3.10695	6.199463	10208.2
47153_7154	47153	7154	-17.314	-169.82	1.229288	3.10695	10.69898	-7779.03
47154_7154	47154	7154	17.30531	144.9654	0.534188	0.3822	-10.699	7779.039
47154_7155	47154	7155	-17.3053	-134.016	-0.53419	-0.3822	4.837875	-6244.62
47155_7155	47155	7155	17.30531	134.016	0.534188	0.3822	-4.83788	6244.62
47155_7156	47155	7156	-17.3053	-123.068	-0.53419	-0.3822	-1.02296	-4830.65
47156_7156	47156	7156	17.30951	102.8685	-0.35385	2.1168	1.022963	4830.644
47156_7157	47156	7157	-17.3095	-92.9145	0.35385	-2.1168	2.51265	-3851.71
47157_7157	47157	7157	17.30951	92.9145	-0.33495	-1.73276	-2.51265	3851.715
47157_7158	47157	7158	-17.3095	-82.9618	0.33495	1.732763	5.872388	-2972.33
47158_7158	47158	7158	17.30558	63.64208	0.056175	1.120613	-5.87239	2972.287
47158_7159	47158	7159	-17.3056	-53.6786	-0.05618	-1.12061	5.313	-2385.08
47159_7159	47159	7159	17.30558	53.67863	0.073763	-1.27628	-5.313	2385.081
47159_7160	47159	7160	-17.3056	-43.7259	-0.07376	1.276275	4.577475	-1898.05
47160_7160	47160	7160	17.30584	21.90458	0.102638	0.569363	-4.57748	1898.049
47160_7161	47160	7161	-17.3058	-10.9552	-0.10264	-0.56936	3.445838	-1717.32
47161_7161	47161	7161	17.30584	10.95518	0.11865	-0.99041	-3.44584	1717.318
47161_7162	47161	7162	-17.3058	-0.00446	-0.11865	0.990413	2.145413	-1657.03
47162_7162	47162	7162	17.30794	-21.1958	-0.37905	-0.96548	-2.14541	1657.033
47162_7163	47162	7163	-17.3079	34.88126	0.37905	0.965475	7.355775	-2042.57
47163_7163	47163	7163	17.59616	-34.739	-0.39506	1.053675	-7.34606	2041.553
47163_7164	47163	7164	-17.6655	42.94973	0.395063	-1.05368	10.61051	-2362.03

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47164_7164	47164	7164	19.18088	-78.0229	1.53405	-1.46659	-10.657	2362.112
47164_7165	47164	7165	-19.4628	89.71751	-1.53405	1.466588	-7.36129	-3347.89
47165_7165	47165	7165	15.01973	-80.1111	1.24215	1.30935	4.013625	2579.958
47165_7166	47165	7166	-15.6938	93.78994	-1.24215	-1.30935	-20.4866	-3732.59
47166_7166	47166	7166	20.41515	-125.615	-0.98228	-1.03031	20.37788	3732.503
47166_7167	47166	7167	-21.3728	138.5302	0.982275	1.030313	-8.04484	-5387.98
47167_7167	47167	7167	24.97871	-137.927	-0.99251	3.048938	8.444888	5387.977
47167_7168	47167	7168	-26.2778	150.8417	0.992513	-3.04894	4.023863	-7201.88
47168_7168	47168	7168	-635.901	133.7501	1.271288	-1.82044	-34.3859	3291.137
47168_7169	47168	7169	635.901	-123.935	-1.27129	1.820438	22.31093	-2067.12
47169_7169	47169	7169	-635.899	123.9347	2.00445	0.124163	-22.3109	1926.64
47169_7170	47169	7170	635.8994	-115.927	-2.00445	-0.12416	6.771975	-997.167
47170_7170	47170	7170	-635.899	115.9274	2.00445	0.124163	-6.77197	997.1674
47170_7171	47170	7171	635.8994	-107.92	-2.00445	-0.12416	-8.76986	-129.754
47171_7171	47171	7171	-635.89	80.99411	0.013125	-0.01208	8.769863	129.6905
47171_7172	47171	7172	635.89	-72.7298	-0.01313	0.012075	-8.87933	485.215
47172_7172	47172	7172	-635.89	72.72983	-0.7812	0.594825	8.879325	-485.215
47172_7173	47172	7173	635.89	-64.4629	0.7812	-0.59483	-2.62973	1033.994
47173_7173	47173	7173	-635.89	64.46291	0.013125	-0.69825	2.629725	-1034
47173_7174	47173	7174	635.89	-56.1973	-0.01313	0.69825	-2.73919	1516.647
47174_7174	47174	7174	-635.892	30.10088	0.517913	-0.69431	2.739188	-1516.7
47174_7175	47174	7175	635.8923	-23.9017	-0.51791	0.694313	-5.83931	1678.709
47175_7175	47175	7175	-635.892	23.90168	-0.54364	2.1042	5.839313	-1678.71
47175_7176	47175	7176	635.8923	-17.7012	0.543638	-2.1042	-2.57933	1803.521
47176_7176	47176	7176	-635.892	17.70116	0.517913	-0.90221	2.579325	-1803.52
47176_7177	47176	7177	635.8923	-11.5033	-0.51791	0.902213	-5.67945	1891.135
47177_7177	47177	7177	-635.892	11.50328	0.517913	-0.90221	5.67945	-1891.14
47177_7178	47177	7178	635.8923	-5.30276	-0.51791	0.902213	-8.77984	1941.552
47178_7178	47178	7178	-635.896	-21.2297	1.276275	-0.89224	8.779838	-1941.61
47178_7179	47178	7179	635.8963	29.49529	-1.27628	0.892238	-18.9832	1738.708
47179_7179	47179	7179	-635.898	-29.4953	0.48195	1.281525	18.98321	-1738.71
47179_7180	47179	7180	635.8976	37.76089	-0.48195	-1.28153	-22.8275	1469.676
47180_7180	47180	7180	-635.896	-37.7609	1.276275	-0.55624	22.82753	-1469.68
47180_7181	47180	7181	635.8963	46.02649	-1.27628	0.556238	-33.0309	1134.519
47181_7181	47181	7181	-635.887	-72.135	-0.91586	0.652575	33.0309	-1134.58
47181_7182	47181	7182	635.8874	80.14519	0.915862	-0.65258	-25.929	544.4793
47182_7182	47182	7182	-635.887	-80.1452	-0.91586	0.652575	25.92896	-544.479
47182_7183	47182	7183	635.8874	88.15249	0.915862	-0.65258	-18.8286	-107.673
47183_7183	47183	7183	-635.887	-88.1525	-1.64903	0.235987	18.8286	220.4982
47183_7184	47183	7184	635.8871	97.96789	1.649025	-0.23599	-3.15	-1126.67
47184_7184	47184	7184	31.05349	194.7931	0.917963	0.689325	20.45741	4726.277
47184_7185	47184	7185	-29.7651	-181.878	-0.91796	-0.68933	-31.9801	-2335.72
47185_7185	47185	7185	25.02859	182.5887	0.925575	-1.95116	32.12186	2335.715
47185_7186	47185	7186	-24.076	-169.674	-0.92558	1.951163	-43.7346	-62.4386
47186_7186	47186	7186	18.17786	135.1733	-1.13846	0.724763	43.48838	62.45476
47186_7187	47186	7187	-17.5085	-121.483	1.138463	-0.72476	-28.366	1773.748
47187_7187	47187	7187	23.39269	247.6194	-2.58694	-4.61528	7.334775	15164.45
47187_7188	47187	7188	-23.0934	-235.071	2.586938	4.615275	23.06666	-12100.9
47188_7188	47188	7188	19.04726	191.6675	0.767288	5.371275	-23.2152	12100.84
47188_7189	47188	7189	-18.9748	-182.858	-0.76729	-5.37128	16.884	-9659.49
47189_7189	47189	7189	17.47436	183.0056	0.785138	-3.99289	-16.8389	9662.503
47189_7190	47189	7190	-17.4744	-168.325	-0.78514	3.992888	6.051413	-7247.06
47190_7190	47190	7190	17.4762	144.1679	0.310013	-0.01339	-6.05141	7247.07
47190_7191	47190	7191	-17.4762	-132.422	-0.31001	0.013387	2.638388	-5725.81
47191_7191	47191	7191	17.4762	132.4215	0.310013	-0.01339	-2.63839	5725.812
47191_7192	47191	7192	-17.4762	-120.674	-0.31001	0.013387	-0.77595	-4333.77
47192_7192	47192	7192	17.48355	98.30441	-1.34663	-0.24334	0.77595	4333.76
47192_7193	47192	7193	-17.4836	-87.6477	1.346625	0.243338	12.66536	-3405.84
47193_7193	47193	7193	17.48355	87.6477	-1.34663	-0.22628	-12.6654	3405.844

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47193_7194	47193	7194	-17.4836	-76.9802	1.346625	0.226275	26.12216	-2583.52
47194_7194	47194	7194	17.47673	56.59973	-0.48064	-1.56529	-26.1222	2583.529
47194_7195	47194	7195	-17.4767	-45.932	0.480638	1.565288	30.91856	-2071.38
47195_7195	47195	7195	17.47673	45.93199	-0.49875	0.50715	-30.9186	2071.38
47195_7196	47195	7196	-17.4767	-35.2632	0.49875	-0.50715	35.89005	-1665.81
47196_7196	47196	7196	17.47095	12.21518	0.028088	-0.70429	-35.8901	1665.807
47196_7197	47196	7197	-17.471	-0.47014	-0.02809	0.704288	35.57453	-1596.04
47197_7197	47197	7197	17.47095	0.470137	0.028088	-0.70429	-35.5745	1596.042
47197_7198	47197	7198	-17.471	11.27779	-0.02809	0.704288	35.26058	-1655.49
47198_7198	47198	7198	17.49221	-33.1648	-1.65664	-1.22955	-35.2606	1655.492
47198_7199	47198	7199	-17.4922	47.83616	1.656638	1.22955	58.0272	-2278.33
47199_7199	47199	7199	17.87809	-47.6944	-1.67291	1.023488	-58.0193	2274.332
47199_7200	47199	7200	-17.949	56.50208	1.672913	-1.02349	71.82893	-2717.06
47200_7200	47200	7200	19.65154	-93.2274	1.753238	1.025063	-71.8321	2717.061
47200_7201	47200	7201	-19.9461	105.7741	-1.75324	-1.02506	51.2421	-3921.63
47201_7201	47201	7201	20.223	-95.0287	1.273125	0.095025	-57.2681	2963.088
47201_7202	47201	7202	-20.9365	109.7612	-1.27313	-0.09502	40.38379	-4319.83
47202_7202	47202	7202	25.98671	-141.64	-1.32169	3.606488	-40.1848	4319.811
47202_7203	47202	7203	-27.0008	155.5391	1.321688	-3.60649	56.76773	-6158.39
47203_7203	47203	7203	30.96345	-154.799	-1.31145	0.201075	-57.136	6158.388
47203_7204	47203	7204	-32.3321	168.7001	1.31145	-0.20108	73.59896	-8210.39
47204_7204	47204	7204	-666.867	143.845	0.553612	1.9194	-90.6174	4037.563
47204_7205	47204	7205	666.8671	-133.281	-0.55361	-1.9194	85.35791	-2681.22
47205_7205	47205	7205	-666.867	133.2815	-0.23861	-1.19674	-85.3579	2486.714
47205_7206	47205	7206	666.8668	-124.663	0.238613	1.196738	87.20591	-1487.16
47206_7206	47206	7206	-666.867	124.6631	0.622125	0.722663	-87.2059	1487.156
47206_7207	47206	7207	666.8671	-116.045	-0.62212	-0.72266	82.38746	-554.394
47207_7207	47207	7207	-666.862	86.75651	0.3339	1.078875	-82.3875	554.4076
47207_7208	47207	7208	666.8616	-77.8609	-0.3339	-1.07888	79.70865	104.0729
47208_7208	47208	7208	-666.862	77.86091	0.3339	1.078875	-79.7087	-104.073
47208_7209	47208	7209	666.8616	-68.9653	-0.3339	-1.07888	77.02853	691.3869
47209_7209	47209	7209	-666.863	68.96531	-0.49849	1.94355	-77.0285	-691.385
47209_7210	47209	7210	666.8626	-60.0697	0.498488	-1.94355	81.01931	1207.536
47210_7210	47210	7210	-666.882	30.90203	2.198963	1.1235	-81.0193	-1207.52
47210_7211	47210	7211	666.8823	-24.229	-2.19896	-1.1235	67.8195	1372.917
47211_7211	47211	7211	-666.882	24.22901	2.198963	1.1235	-67.8195	-1372.92
47211_7212	47211	7212	666.8823	-17.5573	-2.19896	-1.1235	54.62126	1498.278
47212_7212	47212	7212	-666.885	17.55731	1.088588	3.6204	-54.6213	-1498.28
47212_7213	47212	7213	666.8849	-10.8869	-1.08859	-3.6204	48.08974	1583.605
47213_7213	47213	7213	-666.882	10.88693	2.198963	0.980438	-48.0897	-1583.61
47213_7214	47213	7214	666.8823	-4.21391	-2.19896	-0.98044	34.8915	1628.909
47214_7214	47214	7214	-666.898	-25.7646	3.614363	1.386263	-34.8915	-1628.9
47214_7215	47214	7215	666.8975	34.66181	-3.61436	-1.38626	5.985263	1387.194
47215_7215	47215	7215	-666.898	-34.6618	3.614363	1.386263	-5.98526	-1387.19
47215_7216	47215	7216	666.8975	43.55741	-3.61436	-1.38626	-22.921	1074.321
47216_7216	47216	7216	-666.902	-43.5574	2.779088	2.729213	22.92098	-1074.32
47216_7217	47216	7217	666.9023	52.4517	-2.77909	-2.72921	-45.1576	690.2758
47217_7217	47217	7217	-666.893	-81.2784	2.92635	-1.93358	45.15761	-690.327
47217_7218	47217	7218	666.8931	89.8968	-2.92635	1.933575	-67.8379	27.01283
47218_7218	47218	7218	-666.893	-89.8968	2.92635	-1.93358	67.83788	-27.0128
47218_7219	47218	7219	666.8931	98.51363	-2.92635	1.933575	-90.5195	-703.087
47219_7219	47219	7219	-666.837	-98.5136	9.175688	6.84075	90.51945	861.8618
47219_7220	47219	7220	666.8369	109.0787	-9.17569	-6.84075	-177.697	-1847.93
47220_7220	47220	7220	21.63184	208.2008	1.480763	-1.3167	16.7265	5496.003
47220_7221	47220	7221	-20.2742	-194.314	-1.48076	1.3167	-35.322	-2970.04
47221_7221	47221	7221	15.3216	194.7642	1.47735	7.224	34.59645	2970.041
47221_7222	47221	7222	-14.3199	-180.865	-1.47735	-7.224	-53.1185	-622.036
47222_7222	47222	7222	8.352225	146.5816	4.1349	-3.29779	53.71669	622.2025
47222_7223	47222	7223	-7.64662	-131.844	-4.1349	3.297788	-108.588	1243.41

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47223_7223	47223	7223	-7.70201	254.4003	-0.06615	38.4216	99.00109	15006.46
47223_7224	47223	7224	8.020163	-240.64	0.06615	-38.4216	-98.2233	-12308.8
47224_7224	47224	7224	-12.0296	195.5512	0.357	-19.6316	99.24679	12310.8
47224_7225	47224	7225	12.10676	-185.881	-0.357	19.63159	-102.194	-10378.1
47225_7225	47225	7225	-13.5878	185.7783	0.407138	17.52949	102.0319	10378.02
47225_7226	47225	7226	13.58779	-168.239	-0.40714	-17.5295	-108.117	-7728.56
47226_7226	47226	7226	-13.5978	140.5748	-0.5124	-9.17516	108.1169	7729.051
47226_7227	47226	7227	13.59776	-126.962	0.5124	9.175163	-102.166	-6174.98
47227_7227	47227	7227	-13.6001	126.9621	-0.46436	12.28028	102.1661	6174.974
47227_7228	47227	7228	13.60013	-113.36	0.464363	-12.2803	-96.7691	-4780.02
47228_7228	47228	7228	-13.5928	84.66176	-3.56318	-7.93826	96.76905	4779.885
47228_7229	47228	7229	13.59278	-71.0569	3.563175	7.938263	-55.3907	-3875.91
47229_7229	47229	7229	-13.6064	71.05691	-3.5049	8.733375	55.39065	3875.905
47229_7230	47229	7230	13.60643	-57.4505	3.5049	-8.73338	-14.6848	-3129.76
47230_7230	47230	7230	-13.7868	24.95456	7.354463	-7.93748	14.68478	3129.25
47230_7231	47230	7231	13.78676	-10.7604	-7.35446	7.937475	-103.77	-2912.91
47231_7231	47231	7231	-13.7576	10.7604	7.4109	3.940125	103.7697	2912.921
47231_7232	47231	7232	13.75763	3.452138	-7.4109	-3.94013	-193.626	-2868.61
47232_7232	47232	7232	-13.5849	-24.7514	-5.90468	-7.72144	193.6263	2868.381
47232_7233	47232	7233	13.5849	28.34108	5.904675	7.721438	-175.527	-3038.23
47233_7233	47233	7233	-13.4279	-28.4225	-5.88263	-4.08424	175.5067	3038.246
47233_7234	47233	7234	13.38698	35.406	5.882625	4.084238	-140.442	-3234.15
47234_7234	47234	7234	-13.0092	-35.5504	-5.8653	-1.23218	140.4611	3234.152
47234_7235	47234	7235	12.84386	45.37365	5.8653	1.232175	-91.2846	-3583.62
47235_7235	47235	7235	-12.3682	-45.5096	-5.8422	3.453975	91.4214	3583.616
47235_7236	47235	7236	12.1842	52.14195	5.8422	-3.45398	-58.3417	-3868.38
47236_7236	47236	7236	-18.0949	-102.339	6.553313	-4.75755	58.06894	3868.01
47236_7237	47236	7237	17.52949	114.9028	-6.55331	4.75755	-128.4	-4970.32
47237_7237	47237	7237	-3.11089	-91.5251	7.9275	3.014025	-6.64755	1704.05
47237_7238	47237	7238	2.3625	103.3473	-7.9275	-3.01403	-68.7346	-2639.93
47238_7238	47238	7238	1.373663	-116.475	-13.603	-10.5984	67.76963	2639.173
47238_7239	47238	7239	-2.32811	128.1648	13.60301	10.59844	60.28286	-3802.17
47239_7239	47239	7239	2.448863	-128.163	-13.5812	-0.29295	-59.45	3802.193
47239_7240	47239	7240	-3.5259	141.1407	13.58123	0.29295	201.4042	-5172.03
47240_7240	47240	7240	-612.773	161.9911	3.828038	1.671338	-122.549	2741.436
47240_7241	47240	7241	612.7727	-152.36	-3.82804	-1.67134	92.94337	-1526.3
47241_7241	47241	7241	-612.756	152.36	5.9283	6.454875	-92.9434	1480.543
47241_7242	47241	7242	612.7561	-141.702	-5.9283	-6.45488	42.22811	-222.624
47242_7242	47242	7242	-612.744	141.702	7.1988	6.917663	-42.2281	222.611
47242_7243	47242	7243	612.7443	-131.479	-7.1988	-6.91766	-16.8478	898.2149
47243_7243	47243	7243	-612	93.02134	-6.3651	4.223625	16.84778	-898.265
47243_7244	47243	7244	612.0001	-80.3961	6.3651	-4.22363	47.64585	1776.972
47244_7244	47244	7244	-612.012	80.39614	-4.91348	0.0084	-47.6459	-1776.98
47244_7245	47244	7245	612.0125	-68.5695	4.913475	-0.0084	94.28764	2484.091
47245_7245	47245	7245	-611.948	43.95458	-4.53259	5.559225	-94.2876	-2483.47
47245_7246	47245	7246	611.9476	-31.0727	4.532588	-5.55923	141.1481	2871.357
47246_7246	47246	7246	-611.958	31.07265	-2.97754	-1.72988	-141.148	-2871.36
47246_7247	47246	7247	611.9584	-19.5137	2.977538	1.729875	168.7799	3106.03
47247_7247	47247	7247	-612.172	-10.915	4.054313	9.211913	-168.78	-3105.42
47247_7248	47247	7248	612.1715	22.61254	-4.05431	-9.21191	130.699	2948
47248_7248	47248	7248	-612.149	-22.6125	6.547013	-2.78329	-130.699	-2948.01
47248_7249	47248	7249	612.1495	35.36978	-6.54701	2.783288	63.67673	2651.204
47249_7249	47249	7249	-612.237	-59.2234	11.81145	3.935663	-63.6767	-2650.76
47249_7250	47249	7250	612.2372	71.66906	-11.8115	-3.93566	-54.3149	1997.007
47250_7250	47250	7250	-612.203	-71.6691	13.44788	-1.39939	54.31493	-1997.01
47250_7251	47250	7251	612.2028	83.66584	-13.4479	1.399388	-183.812	1249.072
47251_7251	47251	7251	-611.462	-114.165	-14.7585	-28.3739	183.8125	-1249.69
47251_7252	47251	7252	611.4617	123.8218	14.75854	28.37389	-69.4215	327.3262
47252_7252	47252	7252	-611.52	-123.822	-12.164	-29.8785	69.42154	-321.375

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47252_7253	47252	7253	611.5203	135.65	12.16399	29.87854	46.0677	-919.573
47253_7253	47253	7253	2.899313	201.3737	-28.1038	77.39393	-117.05	2860.558
47253_7254	47253	7254	-1.99526	-192.338	28.10378	-77.3939	321.8959	-1411.28
47254_7254	47254	7254	-4.93789	160.8164	16.63856	-0.15278	-313.622	1409.524
47254_7255	47254	7255	6.108112	-146.386	-16.6386	0.152775	120.267	397.2617
47255_7255	47255	7255	-9.06229	146.2275	16.68004	1.383638	-120.189	-397.284
47255_7256	47255	7256	9.8196	-133.725	-16.68	-1.38364	-47.5222	1850.797
47256_7256	47256	7256	-13.3292	101.1804	1.686563	7.664738	47.23346	-1850.66
47256_7257	47256	7257	13.83323	-89.4873	-1.68656	-7.66474	-63.0719	2826.996
47257_7257	47257	7257	-15.3815	89.23373	1.725413	-0.00341	63.36724	-2834.95
47257_7258	47257	7258	15.61009	-80.3366	-1.72541	0.003413	-75.6835	3470.969
47258_7258	47258	7258	-16.343	80.19034	1.74615	-4.71109	75.74779	-3470.96
47258_7259	47258	7259	16.44983	-73.8384	-1.74615	4.711088	-84.6494	3883.256
47259_7259	47259	7259	-104.938	-19.5683	-3.58969	-26.1293	152.7595	10529.34
47259_7260	47259	7260	105.0118	29.80898	3.589688	26.12925	-124.898	-10219.5
47260_7260	47260	7260	-104.807	-30.5592	-3.27285	3.735638	124.7088	10227.76
47260_7261	47260	7261	104.8068	42.01575	3.27285	-3.73564	-96.3052	-10542.7
47261_7261	47261	7261	-104.81	-42.0158	-3.15368	15.69041	96.30521	10542.72
47261_7262	47261	7262	104.8097	52.64858	3.153675	-15.6904	-70.9005	-10924
47262_7262	47262	7262	-104.818	-93.9656	-1.46816	-15.6629	70.90046	10924.22
47262_7263	47262	7263	104.8181	109.2509	1.468163	15.66285	-53.9062	-12101
47263_7263	47263	7263	-104.819	-109.251	-1.24399	10.11806	53.90621	12101.01
47263_7264	47263	7264	104.8189	124.3959	1.243988	-10.1181	-39.6296	-13441.4
47264_7264	47264	7264	-104.877	-155.785	-5.5272	-33.5493	39.62963	13442.41
47264_7265	47264	7265	104.8772	171.2437	5.5272	33.54934	25.12598	-15357.6
47265_7265	47265	7265	-104.898	-171.244	-5.14605	22.32221	-25.126	15357.6
47265_7266	47265	7266	104.8976	186.2172	5.14605	-22.3222	83.52041	-17385.3
47266_7266	47266	7266	-104.827	-219.496	0.337575	-42.1381	-83.5204	17387.26
47266_7267	47266	7267	104.8268	234.6354	-0.33758	42.13808	79.64854	-19991.9
47267_7267	47267	7267	-104.825	-234.635	0.654413	18.30491	-79.6485	19991.91
47267_7268	47267	7268	104.8254	249.916	-0.65441	-18.3049	72.07279	-22796.7
47268_7268	47268	7268	-105.081	-295.564	-9.41325	-91.213	-72.0728	22800.26
47268_7269	47268	7269	105.0811	300.8373	9.41325	91.21298	109.6791	-25671.1
47269_7269	47269	7269	-102.41	-301.763	-9.15521	-31.9407	-109.971	25676.66
47269_7270	47269	7270	102.2942	314.653	9.155213	31.94074	199.3727	-28086.7
47270_7270	47270	7270	-97.3623	-316.223	-8.87906	42.64024	-198.089	28086.7
47270_7271	47270	7271	97.02998	329.7412	8.879063	-42.6402	289.059	-31528.8
47271_7271	47271	7271	-89.0211	-361.759	-14.6577	-81.8178	-294.038	31561.7
47271_7272	47271	7272	88.28584	377.9454	14.65774	81.81784	474.0054	-35935.1
47272_7272	47272	7272	-79.8572	-379.833	-14.2178	74.55131	-465.826	35935.27
47272_7273	47272	7273	78.74213	396.2585	14.21779	-74.5513	643.1733	-40920.9
47273_7273	47273	7273	-69.7363	-402.558	36.26228	-113.646	-658.805	40930.19
47273_7274	47273	7274	69.111	409.877	-36.2623	113.646	456.9928	-43258.8
47274_7274	47274	7274	-63.4835	-410.764	36.50666	-9.09274	-448.748	43259.01
47274_7275	47274	7275	62.4393	421.3136	-36.5067	9.092738	155.5856	-46246.8
47275_7275	47275	7275	-2715.62	631.9596	34.93245	100.2808	324.6479	20186.14
47275_7276	47275	7276	2715.625	-624.702	-34.9325	-100.281	-516.751	-16335
47276_7276	47276	7276	-1160.6	182.0729	-25.6239	-12.6226	216.2948	5722.475
47276_7277	47276	7277	1160.602	-176.65	25.62394	12.62258	-113.842	-5005.34
47277_7277	47277	7277	-1160.64	176.6502	-23.6413	-1.44821	113.8423	4876.515
47277_7278	47277	7278	1160.645	-162.913	23.64128	1.448213	125.6611	-3156.53
47278_7278	47278	7278	-1160.71	162.913	-20.3046	7.629563	-125.661	3156.517
47278_7279	47278	7279	1160.707	-150.408	20.30464	-7.62956	312.9	-1711.85
47279_7279	47279	7279	-1160.63	100.5383	-11.3306	1.8795	-312.9	1712.038
47279_7280	47279	7280	1160.63	-84.7064	11.33055	-1.8795	445.1748	-630.658
47280_7280	47280	7280	-1160.67	84.70639	-6.47981	4.515525	-445.175	630.6455
47280_7281	47280	7281	1160.669	-68.1875	6.479813	-4.51553	524.1141	300.6497
47281_7281	47281	7281	-1160.23	61.67963	17.91641	1.922813	-524.114	301.1111
47281_7282	47281	7282	1160.23	-50.242	-17.9164	-1.92281	302.0674	392.4333

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47282_7282	47282	7282	-1160.18	50.24198	21.19583	0.812963	-302.067	-392.438
47282_7283	47282	7283	1160.177	-39.6611	-21.1958	-0.81296	59.08875	907.7345
47283_7283	47283	7283	-1160.84	-26.8488	-10.0829	2.864663	-59.0888	-907.995
47283_7284	47283	7284	1160.841	36.73031	10.08289	-2.86466	167.0398	567.6486
47284_7284	47284	7284	-1160.87	-36.7303	-5.36629	0.55965	-167.04	-567.657
47284_7285	47284	7285	1160.872	45.69679	5.366288	-0.55965	219.1691	167.2382
47285_7285	47285	7285	-1161.02	-77.1894	29.28214	-10.6572	-219.169	-167.293
47285_7286	47285	7286	1161.02	84.72765	-29.2821	10.65724	-20.0597	-494.151
47286_7286	47286	7286	-1160.97	-84.7277	31.26638	-9.81251	20.05973	494.1686
47286_7287	47286	7287	1160.97	91.50934	-31.2664	9.812513	-249.752	-1141.53
47287_7287	47287	7287	-1160.9	-91.5093	33.84859	-5.72801	249.7522	1194.548
47287_7288	47287	7288	1160.895	98.90423	-33.8486	5.728013	-520.993	-1996.63
47288_7288	47288	7288	37.40599	360.7637	-4.33493	1.34925	-68.764	10739.72
47288_7289	47288	7289	-36.42	-349.082	4.334925	-1.34925	123.8121	-6141.75
47289_7289	47289	7289	31.17109	349.5904	-4.35776	23.14883	-125.162	6141.674
47289_7290	47289	7290	-30.4671	-339.43	4.357763	-23.1488	173.2461	-2286.11
47290_7290	47290	7290	21.22916	293.3094	4.129913	6.022275	-171.717	2286.687
47290_7291	47290	7291	-20.9016	-286.513	-4.12991	-6.02228	141.2683	-86.5493
47291_7291	47291	7291	15.84371	286.8366	4.123088	8.5911	-141.143	86.53688
47291_7292	47291	7292	-15.5996	-278.801	-4.12309	-8.5911	105.2286	2714.487
47292_7292	47292	7292	11.17804	279.0126	4.093425	-0.53602	-104.919	-2712.96
47292_7293	47292	7293	-11.1211	-275.072	-4.09343	0.536025	87.43796	3562.969
47293_7293	47293	7293	7.953225	242.2473	1.45425	16.37869	-87.4994	-3563.36
47293_7294	47293	7294	-7.9296	-235.66	-1.45425	-16.3787	77.11384	5269.049
47294_7294	47294	7294	7.04655	235.6877	1.440863	6.93945	-77.0508	-5269.07
47294_7295	47294	7295	-7.04655	-227.753	-1.44086	-6.93945	64.65716	7260.91
47295_7295	47295	7295	7.05075	227.7531	1.42485	-9.31534	-64.6572	-7262.79
47295_7296	47295	7296	-7.05075	-221.244	-1.42485	9.315338	54.60131	8846.06
47296_7296	47296	7296	36.67755	126.6187	2.8812	31.28554	-131.39	-15743.1
47296_7297	47296	7297	-36.6776	-116.205	-2.8812	-31.2855	99.74003	17077.05
47297_7297	47297	7297	36.68595	116.2046	2.785388	-13.6936	-99.74	-17077.1
47297_7298	47297	7298	-36.686	-105.402	-2.78539	13.69358	68.01664	18339.5
47298_7298	47298	7298	36.67361	76.39826	1.558988	45.64875	-68.0166	-18341.6
47298_7299	47298	7299	-36.6736	-65.7513	-1.55899	-45.6488	50.51603	19139.62
47299_7299	47299	7299	36.6807	65.75126	1.424588	-24.2253	-50.516	-19139.7
47299_7300	47299	7300	-36.6807	-53.8002	-1.42459	24.22534	32.55604	19893.16
47300_7300	47300	7300	36.69645	14.02485	1.89945	39.22354	-32.556	-19895.4
47300_7301	47300	7301	-36.6965	-2.47065	-1.89945	-39.2235	9.40485	19995.95
47301_7301	47301	7301	36.70354	2.47065	1.7808	-25.6885	-9.40485	-19996
47301_7302	47301	7302	-36.7035	8.574825	-1.7808	25.68851	-11.3384	19960.42
47302_7302	47302	7302	36.71115	-49.4293	1.805475	39.34403	11.33843	-19962.4
47302_7303	47302	7303	-36.7112	61.5489	-1.80548	-39.344	-34.4187	19253.16
47303_7303	47303	7303	36.71666	-61.5489	1.668188	-32.498	34.41874	-19253.2
47303_7304	47303	7304	-36.7167	72.0258	-1.66819	32.49803	-52.8573	18515.17
47304_7304	47304	7304	36.71509	-114.575	1.30725	34.8096	52.85726	-18517.2
47304_7305	47304	7305	-36.7151	125.5304	-1.30725	-34.8096	-67.9623	17130.04
47305_7305	47305	7305	36.72034	-125.53	1.175738	-26.0243	67.9623	-17130.1
47305_7306	47305	7306	-36.7203	137.1618	-1.17574	26.02425	-82.3982	15518.69
47306_7306	47306	7306	36.65655	-180.3	-3.24791	27.29003	82.39823	-15520.2
47306_7307	47306	7307	-36.6566	191.5688	3.247913	-27.29	-43.8057	13310.28
47307_7307	47307	7307	36.64553	-191.569	-3.3936	-25.9668	43.80574	-13310.3
47307_7308	47307	7308	-36.6455	202.8899	3.3936	25.96676	-3.28388	10955.47
47308_7308	47308	7308	37.04925	-256.383	23.76019	14.99033	3.283875	-10956.3
47308_7309	47308	7309	-37.0493	267.7629	-23.7602	-14.9903	-288.424	7811.276
47309_7309	47309	7309	37.15005	-267.763	23.60295	-17.9747	288.424	-7811.27
47309_7310	47309	7310	-37.1501	278.9661	-23.603	17.97469	-567.36	4580.773
47310_7310	47310	7310	36.28406	-347.334	-42.4145	-3.51173	567.3599	-4581.01
47310_7311	47310	7311	-36.2841	360.018	42.41449	3.511725	0	-149.882

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1	2	3	4	5	6	7	8	9
7000_7000	7000	7000	1.35765	170.5977	1.469475	1.318275	0	1.5876
7000_7001	7000	7001	141.2381	-160.51	-1.46948	-1.31828	-15.4397	1079.108
7001_7001	7001	7001	-141.238	160.5098	1.469475	1.31985	15.43973	-1079.11
7001_7002	7001	7002	261.4043	-151.488	-1.46948	-1.31985	-29.2462	1989.828
7002_7002	7002	7002	-261.444	126.9104	-1.35765	1.573425	29.24618	-1989.84
7002_7003	7002	7003	381.643	-115.285	1.35765	-1.57343	-12.8189	2900.804
7003_7003	7003	7003	-381.649	115.2853	-1.35765	0.971775	12.81893	-2900.81
7003_7004	7003	7004	490.381	-103.651	1.35765	-0.97178	3.62565	3724.869
7004_7004	7004	7004	-490.368	80.51715	0.1071	1.721475	-3.62565	-3724.89
7004_7005	7004	7005	564.5036	-68.8952	-0.1071	-1.72148	2.326275	4286.748
7005_7005	7005	7005	-564.504	68.89523	0.1071	0.0504	-2.32628	-4286.76
7005_7006	7005	7006	627.1398	-57.2654	-0.1071	-0.0504	1.0332	4761.46
7006_7006	7006	7006	-627.143	37.13378	0.12915	1.40175	-1.0332	-4761.48
7006_7007	7006	7007	658.2382	-25.5056	-0.12915	-1.40175	-0.52133	4997.154
7007_7007	7007	7007	-658.238	25.50555	0.127575	-0.54338	0.521325	-4997.16
7007_7008	7007	7008	677.7965	-13.8695	-0.12758	0.543375	-2.0727	5145.388
7008_7008	7008	7008	-677.801	-5.7078	-0.03465	0.9513	2.0727	-5145.41
7008_7009	7008	7009	666.3668	17.33288	0.03465	-0.9513	-1.6506	5058.749
7009_7009	7009	7009	-666.367	-17.3329	-0.03465	-1.01588	1.6506	-5058.75
7009_7010	7009	7010	643.3749	28.96583	0.03465	1.015875	-1.22535	4884.505
7010_7010	7010	7010	-643.38	-48.173	0.133875	0.3591	1.22535	-4884.56
7010_7011	7010	7011	589.7666	59.80433	-0.13388	-0.3591	-2.84288	4478.232
7011_7011	7011	7011	-589.765	-59.8043	0.133875	-1.2789	2.842875	-4478.23
7011_7012	7011	7012	524.6152	71.43255	-0.13388	1.2789	-4.45568	3984.474
7012_7012	7012	7012	-524.623	-91.1594	-0.14963	-0.13545	4.455675	-3984.5
7012_7013	7012	7013	428.3528	102.7861	0.149625	0.13545	-2.64285	3254.893
7013_7013	7013	7013	-428.353	-102.786	-0.14963	-1.40018	2.64285	-3254.89
7013_7014	7013	7014	320.47	114.4206	0.149625	1.400175	-0.82215	2437.267
7014_7014	7014	7014	-320.472	-135.322	0.1134	-0.81743	0.82215	-2437.29
7014_7015	7014	7015	134.8468	150.5338	-0.1134	0.817425	-2.6082	1030.478
7015_7015	7015	7015	-145.703	-149.882	0.077175	-0.59535	1.771875	-1054.16
7015_7016	7015	7016	30.85425	157.7615	-0.07718	0.596925	-2.4066	243.8305
7016_7016	7016	7016	-27.6176	-181.85	-0.27405	-0.54653	2.392425	-243.813
7016_7017	7016	7017	-151.238	192.9596	0.27405	0.524475	0.830025	-1253.2
7017_7017	7017	7017	154.4429	-192.279	-0.27405	-0.33705	-0.83318	1259.329
7017_7018	7017	7018	-306.358	205.5564	0.27405	0.297675	4.474575	-3069.8
7018_7018	7018	7018	312.6296	-230.226	0.36225	-1.20015	-4.59585	3069.74
7018_7019	7018	7019	-416.644	243.4871	-0.36225	1.261575	0.064575	-5194.47
7019_7019	7019	7019	421.9346	-242.194	0.360675	0.3213	0.12285	5194.476
7019_7020	7019	7020	-472.954	256.0367	-0.36068	-0.252	-4.66043	-7575.84
7020_7020	7020	7020	-410.07	93.67155	-1.51673	-0.33075	33.51285	1619.81
7020_7021	7020	7021	485.8245	-84.7602	1.516725	0.33075	-19.1079	-1043.58
7021_7021	7021	7021	-452.844	84.46883	-1.1466	-0.00473	15.03023	882.8127
7021_7022	7021	7022	511.3805	-77.2254	1.1466	0.004725	-6.15195	-490.57
7022_7022	7022	7022	-511.391	77.2254	-1.04423	0.055125	6.15195	490.57
7022_7023	7022	7023	564.6769	-69.982	1.044225	-0.05513	1.93725	-133.521
7023_7023	7023	7023	-564.71	45.91125	-0.22838	-0.08348	-1.93725	133.4797
7023_7024	7023	7024	596.2651	-38.4253	0.228375	0.083475	3.759525	77.95778
7024_7024	7024	7024	-596.265	38.42528	-0.14018	-0.09135	-3.75953	-77.9578
7024_7025	7024	7025	622.1864	-30.9488	0.140175	0.09135	4.877775	251.6441
7025_7025	7025	7025	-622.186	30.94875	-0.14018	-0.09135	-4.87778	-251.644
7025_7026	7025	7026	642.5213	-23.4722	0.140175	0.09135	5.996025	387.8957
7026_7026	7026	7026	-642.526	-0.14963	-0.12443	-0.04095	-5.99603	-387.924
7026_7027	7026	7027	640.8675	5.762925	0.124425	0.04095	6.739425	376.8093
7027_7027	7027	7027	-640.868	-5.76293	-0.1386	-0.03465	-6.73943	-376.809
7027_7028	7027	7028	636.0701	11.36678	0.1386	0.03465	7.5663	344.6604
7028_7028	7028	7028	-636.07	-11.3668	0.007875	-0.0945	-7.5663	-344.659
7028_7029	7028	7029	628.1195	16.98008	-0.00788	0.0945	7.520625	291.3797

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7029_7029	7029	7029	-628.119	-16.9801	0.007875	-0.0945	-7.52063	-291.38
7029_7030	7029	7030	617.0189	22.5918	-0.00788	0.0945	7.47495	217.0019
7030_7030	7030	7030	-617.022	-45.8231	0.0315	-0.0693	-7.47495	-217.01
7030_7031	7030	7031	580.0016	53.29643	-0.0315	0.0693	7.22925	-31.0511
7031_7031	7031	7031	-580.002	-53.2964	0.04095	-0.0693	-7.22925	31.05113
7031_7032	7031	7032	537.3428	60.77925	-0.04095	0.0693	6.900075	-316.895
7032_7032	7032	7032	-537.341	-60.7793	0.140175	-0.0315	-6.90008	316.8963
7032_7033	7032	7033	489.0926	68.2605	-0.14018	0.0315	5.781825	-640.195
7033_7033	7033	7033	-489.071	-92.5911	0.5418	-0.0945	-5.78183	640.2123
7033_7034	7033	7034	419.3942	99.8361	-0.5418	0.0945	1.5876	-1107.1
7034_7034	7034	7034	-419.399	-99.8361	0.439425	-0.22995	-1.5876	1107.093
7034_7035	7034	7035	344.4651	107.0811	-0.43943	0.22995	-1.81598	-1609.2
7035_7035	7035	7035	-384.442	-107.492	0.776475	0.222075	2.382975	1804.281
7035_7036	7035	7036	289.8866	116.4051	-0.77648	-0.22208	-9.7524	-2514.21
7036_7036	7036	7036	550.19	221.0985	-0.0945	-0.3276	-1.23008	8739.42
7036_7037	7036	7037	-540.031	-206.963	0.0945	0.344925	2.427075	-6691.72
7037_7037	7037	7037	535.4575	208.697	-0.09608	0.46305	-2.5137	6691.713
7037_7038	7037	7038	-484.971	-195.062	0.096075	-0.4473	3.72645	-4769.46
7038_7038	7038	7038	479.3875	171.5648	-0.1134	-0.29295	-3.64613	4769.581
7038_7039	7038	7039	-393.43	-157.93	0.1134	0.3087	5.1534	-3205.28
7039_7039	7039	7039	392.5499	159.7617	-0.11813	0.587475	-5.19593	3190.255
7039_7040	7039	7040	-269.364	-148.614	0.118125	-0.57803	6.575625	-1971.74
7040_7040	7040	7040	266.7011	125.0377	0.303975	0.0756	-6.54413	1971.824
7040_7041	7040	7041	-182.998	-117.385	-0.30398	-0.0819	4.036725	-1313.05
7041_7041	7041	7041	198.8831	117.0194	0.14175	0.231525	-1.9026	1224.209
7041_7042	7041	7042	-30.2054	-102.87	-0.14175	-0.23153	-0.28508	-122.784
7042_7042	7042	7042	30.20063	82.75523	-0.0315	0.193725	0.285075	122.7823
7042_7043	7042	7043	61.2801	-71.8389	0.0315	-0.19373	0.0882	431.1326
7043_7043	7043	7043	-61.2817	71.8389	-0.03308	0.130725	-0.0882	-431.136
7043_7044	7043	7044	139.8317	-60.9257	0.033075	-0.13073	0.4788	906.7622
7044_7044	7044	7044	-139.829	42.06038	0.0189	0.124425	-0.4788	-906.759
7044_7045	7044	7045	183.1709	-31.1378	-0.0189	-0.12443	0.247275	1169.193
7045_7045	7045	7045	-183.171	31.13775	0.0189	0.04725	-0.24728	-1169.19
7045_7046	7045	7046	213.5558	-20.2262	-0.0189	-0.04725	0.0252	1353.179
7046_7046	7046	7046	-213.556	1.771875	0.00315	0.08505	-0.0252	-1353.17
7046_7047	7046	7047	209.1899	9.1476	-0.00315	-0.08505	-0.01575	1326.739
7047_7047	7047	7047	-209.19	-9.1476	0.001575	-0.1071	0.01575	-1326.74
7047_7048	7047	7048	191.8996	20.0655	-0.00158	0.1071	-0.03938	1222.044
7048_7048	7048	7048	-191.9	-38.8096	-0.03938	-0.05985	0.039375	-1222.04
7048_7049	7048	7049	139.5009	49.7259	0.039375	0.05985	0.4221	904.7619
7049_7049	7049	7049	-139.501	-49.7259	-0.03938	-0.12443	-0.4221	-904.76
7049_7050	7049	7050	74.1825	60.6438	0.039375	0.124425	0.89145	509.2621
7050_7050	7050	7050	-74.1778	-80.1124	0.007875	-0.16853	-0.89145	-509.254
7050_7051	7050	7051	-59.5397	94.25903	-0.00788	0.168525	0.77175	-345.472
7051_7051	7051	7051	58.27973	-94.3409	0.007875	-0.15908	-0.90405	357.1839
7051_7052	7051	7052	-132.138	101.9198	-0.00788	0.159075	0.8442	-866.641
7052_7052	7052	7052	134.3869	-125.017	-0.06615	-0.40635	-0.85523	866.6091
7052_7053	7052	7053	-254.254	135.8627	0.06615	0.40005	1.639575	-1858.48
7053_7053	7053	7053	237.3982	-135.707	-0.0945	0.114975	-2.22548	1964.71
7053_7054	7053	7054	-324.604	148.4705	0.0945	-0.12915	3.479175	-3305.69
7054_7054	7054	7054	329.6192	-171.39	0.165375	-0.92295	-3.55635	3305.644
7054_7055	7054	7055	-389.948	184.023	-0.16538	0.952875	1.475775	-4924.83
7055_7055	7055	7055	393.9674	-182.476	0.1638	0.502425	-1.37025	4924.838
7055_7056	7055	7056	-419.063	195.5693	-0.1638	-0.46935	-0.6867	-6759.52
7056_7056	7056	7056	-299.086	105.5518	-0.79065	-0.18113	13.81118	1804.022
7056_7057	7056	7057	381.9391	-96.957	0.79065	0.181125	-6.29685	-1156.57
7057_7057	7057	7057	-378.499	96.94283	-0.64418	0.1134	5.67315	1132.496
7057_7058	7057	7058	440.9449	-89.9357	0.644175	-0.1134	-0.68355	-658.033
7058_7058	7058	7058	-440.953	89.93565	-0.567	0.272475	0.68355	658.0319

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7058_7059	7058	7059	498.7112	-82.9301	0.567	-0.27248	3.71385	-219.19
7059_7059	7059	7059	-498.695	59.29718	-0.11813	0.064575	-3.71385	219.2164
7059_7060	7059	7060	537.0624	-52.0727	0.118125	-0.06458	4.65885	72.29408
7060_7060	7060	7060	-537.064	52.07265	-0.03938	0.045675	-4.65885	-72.2941
7060_7061	7060	7061	570.4886	-44.8403	0.039375	-0.04568	4.96755	326.2581
7061_7061	7061	7061	-570.489	44.84025	0.036225	-0.02993	-4.96755	-326.258
7061_7062	7061	7062	598.9237	-37.6079	-0.03623	0.029925	4.68405	542.2977
7062_7062	7062	7062	-598.927	15.1578	-0.04725	0.165375	-4.68405	-542.339
7062_7063	7062	7063	605.3702	-9.73035	0.04725	-0.16538	4.972275	591.2897
7063_7063	7063	7063	-605.37	9.73035	0.0504	-0.01733	-4.97228	-591.291
7063_7064	7063	7064	609.0021	-4.30133	-0.0504	0.017325	4.666725	618.8868
7064_7064	7064	7064	-609.002	4.301325	0.0441	-0.00473	-4.66673	-618.887
7064_7065	7064	7065	609.8258	1.116675	-0.0441	0.004725	4.402125	625.1396
7065_7065	7065	7065	-609.826	-1.11668	0.0504	-0.01733	-4.40213	-625.14
7065_7066	7065	7066	607.8429	6.544125	-0.0504	0.017325	4.096575	610.0715
7066_7066	7066	7066	-607.841	-29.1249	0.099225	0.0378	-4.09658	-610.051
7066_7067	7066	7067	585.2653	36.35573	-0.09923	-0.0378	3.302775	438.5131
7067_7067	7067	7067	-585.265	-36.3557	0.099225	0.0378	-3.30278	-438.513
7067_7068	7067	7068	557.7028	43.58498	-0.09923	-0.0378	2.508975	229.0964
7068_7068	7068	7068	-557.703	-43.585	0.10395	0.03465	-2.50898	-229.096
7068_7069	7068	7069	525.1113	50.82525	-0.10395	-0.03465	1.6758	-18.533
7069_7069	7069	7069	-525.061	-74.1683	0.590625	-0.07875	-1.6758	18.58028
7069_7070	7069	7070	473.1867	81.17078	-0.59063	0.07875	-2.90115	-412.719
7070_7070	7070	7070	-473.179	-81.1708	0.6678	0.020475	2.90115	412.7193
7070_7071	7070	7071	416.6316	88.17323	-0.6678	-0.02048	-8.07188	-842.359
7071_7071	7071	7071	-423.11	-88.2425	0.79065	0.11025	9.47205	882
7071_7072	7071	7072	348.1333	96.8373	-0.79065	-0.11025	-16.9769	-1474.29
7072_7072	7072	7072	397.6686	204.5689	-0.16223	0.10395	3.762675	6393.631
7072_7073	7072	7073	-361.648	-191.566	0.162225	-0.07088	-1.73093	-4486.54
7073_7073	7073	7073	357.4368	193.2037	-0.1638	0.669375	1.68525	4486.535
7073_7074	7073	7074	-283.185	-180.665	0.1638	-0.64103	0.36225	-2765.24
7074_7074	7074	7074	277.9544	156.8149	0.014175	0.19215	-0.32603	2765.307
7074_7075	7074	7075	-174.66	-144.139	-0.01418	-0.19373	0.130725	-1383.03
7075_7075	7075	7075	185.0373	144.2527	0.007875	0.366975	-0.09923	1310.301
7075_7076	7075	7076	-50.7481	-134.01	-0.00788	-0.36855	0.00315	-236.187
7076_7076	7076	7076	48.384	112.255	0.099225	0.281925	0.0063	236.1866
7076_7077	7076	7077	34.9587	-105.054	-0.09923	-0.2835	-0.82845	331.4021
7077_7077	7077	7077	-32.2466	105.7597	0.140175	0.41895	1.19385	-339.784
7077_7078	7077	7078	152.9246	-93.4511	-0.14018	-0.41895	-3.16103	1214.627
7078_7078	7078	7078	-152.928	76.47098	-0.0441	0.499275	3.161025	-1214.63
7078_7079	7078	7079	222.3396	-66.6131	0.0441	-0.49928	-2.66333	1717.819
7079_7079	7079	7079	-222.34	66.61305	-0.04568	0.240975	2.663325	-1717.82
7079_7080	7079	7080	282.1361	-56.7662	0.045675	-0.24098	-2.14673	2151.305
7080_7080	7080	7080	-282.139	39.98768	-0.0378	0.398475	2.146725	-2151.32
7080_7081	7080	7081	316.123	-30.1408	0.0378	-0.39848	-1.71675	2397.692
7081_7081	7081	7081	-316.125	30.14078	-0.04095	-0.00473	1.71675	-2397.69
7081_7082	7081	7082	340.5827	-20.286	0.04095	0.004725	-1.26473	2574.996
7082_7082	7082	7082	-340.584	2.975175	0.001575	0.2016	1.264725	-2575.01
7082_7083	7082	7083	338.1683	7.611975	-0.00158	-0.2016	-1.28678	2557.502
7083_7083	7083	7083	-338.168	-7.61198	0	-0.17955	1.286775	-2557.5
7083_7084	7083	7084	324.7225	18.19755	0	0.17955	-1.28835	2460.027
7084_7084	7084	7084	-324.724	-35.3666	-0.00788	-0.0315	1.28835	-2460.04
7084_7085	7084	7085	285.6436	45.21983	0.007875	0.0315	-1.20173	2176.74
7085_7085	7085	7085	-285.644	-45.2198	-0.00945	-0.36383	1.201725	-2176.74
7085_7086	7085	7086	237.058	55.06515	0.00945	0.363825	-1.09305	1824.519
7086_7086	7086	7086	-237.056	-71.5649	-0.07718	-0.14648	1.09305	-1824.51
7086_7087	7086	7087	162.8755	81.41805	0.077175	0.146475	-0.22365	1286.747
7087_7087	7087	7087	-162.877	-81.4181	-0.0819	-0.55913	0.22365	-1286.74
7087_7088	7087	7088	79.14848	91.26968	0.0819	0.559125	0.6867	679.7669

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7088_7088	7088	7088	-79.1469	-108.146	-0.00945	-0.48668	-0.6867	-679.767
7088_7089	7088	7089	-53.8209	119.9882	0.00945	0.486675	0.820575	-306.893
7089_7089	7089	7089	54.63675	-119.787	-0.0126	-0.4032	-0.74183	325.0815
7089_7090	7089	7090	-138.682	127.0553	0.0126	0.4032	0.8442	-1053.57
7090_7090	7090	7090	141.3578	-147.76	-0.12443	-0.7623	-0.85995	1053.54
7090_7091	7090	7091	-268.068	158.2072	0.124425	0.751275	2.3184	-2238.89
7091_7091	7091	7091	267.8886	-156.931	-0.16065	-0.05355	-2.91218	2259.709
7091_7092	7091	7092	-364.998	169.2353	0.16065	0.0315	5.041575	-3841.21
7092_7092	7092	7092	370.4321	-191.301	0.218925	-1.05053	-5.13923	3841.15
7092_7093	7092	7093	-433.169	203.5404	-0.21893	1.088325	2.4003	-5720.9
7093_7093	7093	7093	437.6531	-201.762	0.2142	0.53865	-2.25855	5720.901
7093_7094	7093	7094	-461.464	214.4552	-0.2142	-0.49613	-0.441	-7636.28
7094_7094	7094	7094	-334.404	94.86068	-0.8001	-0.2772	14.14035	1952.027
7094_7095	7094	7095	406.865	-86.6833	0.8001	0.2772	-6.53468	-1378.98
7095_7095	7095	7095	-409.643	86.94788	-0.82845	-0.03465	7.520625	1392.612
7095_7096	7095	7096	461.6215	-80.2652	0.82845	0.03465	-1.10723	-953.018
7096_7096	7096	7096	-461.628	80.26515	-0.69143	0.215775	1.107225	953.0183
7096_7097	7096	7097	509.5078	-73.573	0.691425	-0.21578	4.2525	-548.081
7097_7097	7097	7097	-509.513	51.17018	-0.08348	-0.10868	-4.2525	548.078
7097_7098	7097	7098	540.1368	-44.2717	0.083475	0.108675	4.92345	-289.076
7098_7098	7098	7098	-540.137	44.27168	0.048825	-0.03623	-4.92345	289.0771
7098_7099	7098	7099	566.3637	-37.3637	-0.04883	0.036225	4.536	-67.2714
7099_7099	7099	7099	-566.364	37.36373	0.1764	-0.0189	-4.536	67.2714
7099_7100	7099	7100	588.1507	-30.4574	-0.1764	0.0189	3.123225	116.9926
7100_7100	7100	7100	-588.152	9.05625	0.0126	-0.03938	-3.12323	-116.966
7100_7101	7100	7101	591.2645	-3.88395	-0.0126	0.039375	3.0492	143.2904
7101_7101	7101	7101	-591.264	3.88395	0.189	-0.0882	-3.0492	-143.29
7101_7102	7101	7102	591.8882	1.296225	-0.189	0.0882	1.916775	148.565
7102_7102	7102	7102	-591.888	-1.29623	-0.15278	0.00945	-1.91678	-148.565
7102_7103	7102	7103	590.0155	6.4764	0.152775	-0.00945	2.835	132.7284
7103_7103	7103	7103	-590.015	-6.4764	0.0126	-0.03308	-2.835	-132.728
7103_7104	7103	7104	585.6559	11.64713	-0.0126	0.033075	2.760975	95.85923
7104_7104	7104	7104	-585.657	-32.9506	-0.12443	-0.03623	-2.76098	-95.8829
7104_7105	7104	7105	562.2671	39.85853	0.124425	0.036225	3.75165	-101.934
7105_7105	7105	7105	-562.269	-39.8585	0.004725	-0.01103	-3.75165	101.934
7105_7106	7105	7106	534.4416	46.7649	-0.00473	0.011025	3.715425	-337.271
7106_7106	7106	7106	-534.442	-46.7649	0	-0.01418	-3.71543	337.2705
7106_7107	7106	7107	502.2203	53.66183	0	0.014175	3.7107	-609.772
7107_7107	7107	7107	-502.201	-76.082	0.732375	-0.1197	-3.7107	609.7849
7107_7108	7107	7108	452.7684	82.77255	-0.73238	0.1197	-1.96245	-1027.85
7108_7108	7108	7108	-452.768	-82.7726	0.732375	-0.1197	1.96245	1027.854
7108_7109	7108	7109	399.1696	89.46158	-0.73238	0.1197	-7.63403	-1481.14
7109_7109	7109	7109	-398.373	-89.2269	0.7497	0.187425	6.86385	1477.177
7109_7110	7109	7110	324.4185	97.39643	-0.7497	-0.18743	-13.9734	-2087.89
7110_7110	7110	7110	466.1291	209.9774	-0.2142	-0.57488	2.54205	7867.679
7110_7111	7110	7111	-447.149	-197.248	0.2142	0.615825	0.1512	-5849.04
7111_7111	7111	7111	442.7514	199.0391	-0.21893	1.091475	-0.30555	5849.035
7111_7112	7111	7112	-386.551	-186.748	0.218925	-1.05368	3.0429	-4015.7
7112_7112	7112	7112	381.2099	164.8836	0.04725	0.05355	-2.95155	4015.794
7112_7113	7112	7113	-292.369	-152.536	-0.04725	-0.05985	2.331	-2528.33
7113_7113	7113	7113	293.1091	153.8901	0.03465	0.691425	-1.8585	2504.639
7113_7114	7113	7114	-173.483	-143.679	-0.03465	-0.69458	1.45215	-1273.89
7114_7114	7114	7114	170.8796	122.7949	0.080325	0.398475	-1.4364	1273.927
7114_7115	7114	7115	-90.8807	-115.709	-0.08033	-0.40005	0.77805	-645.386
7115_7115	7115	7115	96.2199	115.3105	0.06615	0.2961	-0.64418	580.127
7115_7116	7115	7116	46.70978	-103.405	-0.06615	-0.2961	-0.2709	392.5924
7116_7116	7116	7116	-46.7098	86.9337	0	0.291375	0.2709	-392.597
7116_7117	7116	7117	132.7268	-77.3971	0	-0.29138	-0.27878	943.3935
7117_7117	7117	7117	-132.727	77.39708	0	0.18585	0.278775	-943.395

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7117_7118	7117	7118	208.6954	-67.8699	0	-0.18585	-0.2709	1429.851
7118_7118	7118	7118	-208.692	52.11675	-0.01575	0.14805	0.2709	-1429.83
7118_7119	7118	7119	258.2591	-42.5817	0.01575	-0.14805	-0.08978	1747.225
7119_7119	7119	7119	-258.259	42.5817	-0.01575	0.14805	0.089775	-1747.22
7119_7120	7119	7120	297.842	-33.0451	0.01575	-0.14805	0.089775	2000.697
7120_7120	7120	7120	-297.848	16.41465	0	0.23625	-0.08978	-2000.73
7120_7121	7120	7121	310.5459	-6.17085	0	-0.23625	0.089775	2082.035
7121_7121	7121	7121	-310.546	6.17085	-0.00315	-0.20475	-0.08978	-2082.04
7121_7122	7121	7122	311.7256	4.071375	0.00315	0.20475	0.12285	2089.592
7122_7122	7122	7122	-311.726	-20.5412	-0.00473	0.001575	-0.12285	-2089.59
7122_7123	7122	7123	285.2325	30.0762	0.004725	-0.00158	0.171675	1919.95
7123_7123	7123	7123	-285.233	-30.0762	-0.0063	-0.21578	-0.17168	-1919.95
7123_7124	7123	7124	248.7587	39.61283	0.0063	0.215775	0.2394	1686.397
7124_7124	7124	7124	-248.759	-55.6259	-0.0126	-0.05828	-0.2394	-1686.4
7124_7125	7124	7125	185.5445	65.1609	0.0126	0.058275	0.38745	1281.604
7125_7125	7125	7125	-185.544	-65.1609	-0.01575	-0.34965	-0.38745	-1281.6
7125_7126	7125	7126	112.3495	74.69595	0.01575	0.34965	0.568575	812.9079
7126_7126	7126	7126	-112.353	-90.9295	-0.06143	-0.2646	-0.56858	-812.919
7126_7127	7126	7127	-9.92723	102.4506	0.061425	0.2646	1.390725	29.9124
7127_7127	7127	7127	10.8171	-101.954	-0.0567	-0.17325	-1.24898	-27.131
7127_7128	7127	7128	-93.292	108.9475	0.0567	0.171675	1.71675	-508.153
7128_7128	7128	7128	95.57573	-129.413	-0.13073	-0.29925	-1.7262	508.1375
7128_7129	7128	7129	-225.849	139.4033	0.130725	0.288225	3.25395	-1609.27
7129_7129	7129	7129	211.1209	-139.287	-0.1638	0.04095	-3.99578	1712.789
7129_7130	7129	7130	-307.846	151.8127	0.1638	-0.06458	6.169275	-3067.13
7130_7130	7130	7130	312.9793	-176.102	0.496125	-0.33075	-6.21023	3067.111
7130_7131	7130	7131	-381.462	188.5244	-0.49613	0.417375	0	-4748.23
7131_7131	7131	7131	386.7932	-186.17	0.49455	0.105525	0.039375	4748.23
7131_7132	7131	7132	-410.458	198.3713	-0.49455	-0.01103	-5.84798	-6527.75
7132_7132	7132	7132	-300.731	97.20113	-0.37013	0.0693	10.521	1684.449
7132_7133	7132	7133	384.4985	-88.063	0.370125	-0.0693	-6.69375	-1014.5
7133_7133	7133	7133	-357.772	87.71175	-0.40793	-0.01733	6.068475	884.1971
7133_7134	7133	7134	418.1263	-80.8763	0.407925	0.017325	-2.90903	-472.338
7134_7134	7134	7134	-418.117	80.87625	-0.54968	-0.16065	2.909025	472.3362
7134_7135	7134	7135	473.6466	-74.0329	0.549675	0.16065	1.362375	-93.4022
7135_7135	7135	7135	-473.651	50.35748	0.055125	-0.00315	-1.36238	93.4353
7135_7136	7135	7136	508.2242	-43.3109	-0.05513	0.00315	0.924525	142.4871
7136_7136	7136	7136	-508.223	43.31093	0.124425	-0.0252	-0.92453	-142.487
7136_7137	7136	7137	537.6278	-36.2549	-0.12443	0.0252	-0.07245	343.139
7137_7137	7137	7137	-537.628	36.25493	0.124425	-0.0252	0.07245	-343.139
7137_7138	7137	7138	561.8167	-29.2005	-0.12443	0.0252	-1.06785	508.2053
7138_7138	7138	7138	-561.81	8.95545	-0.1071	0.063	1.06785	-508.224
7138_7139	7138	7139	565.3085	-3.66345	0.1071	-0.063	-0.4221	532.0917
7139_7139	7139	7139	-565.308	3.66345	-0.01575	-0.04095	0.4221	-532.092
7139_7140	7139	7140	565.8723	1.626975	0.01575	0.04095	-0.33075	535.9426
7140_7140	7140	7140	-565.872	-1.62698	-0.01575	-0.04095	0.33075	-535.943
7140_7141	7140	7141	563.5035	6.918975	0.01575	0.04095	-0.2394	519.7768
7141_7141	7141	7141	-563.504	-6.91898	-0.01575	-0.04095	0.2394	-519.777
7141_7142	7141	7142	558.2021	12.21098	0.01575	0.04095	-0.14805	483.5959
7142_7142	7142	7142	-558.202	-33.3144	-0.10553	0.004725	0.14805	-483.616
7142_7143	7142	7143	530.9703	40.3704	0.105525	-0.00473	0.694575	297.7947
7143_7143	7143	7143	-530.972	-40.3704	-0.03623	-0.03938	-0.69458	-297.793
7143_7144	7143	7144	498.5253	47.4264	0.036225	0.039375	0.981225	76.3875
7144_7144	7144	7144	-498.525	-47.4264	-0.03623	-0.03938	-0.98123	-76.3875
7144_7145	7144	7145	460.8655	54.48083	0.036225	0.039375	1.26945	-180.604
7145_7145	7145	7145	-460.895	-77.2774	0.338625	-0.0315	-1.26945	180.5769
7145_7146	7145	7146	403.1165	84.11288	-0.33863	0.0315	-1.35608	-574.856
7146_7146	7146	7146	-403.12	-84.1129	0.26775	-0.11813	1.356075	574.8545
7146_7147	7146	7147	340.4473	90.94838	-0.26775	0.118125	-3.4272	-1002.53

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7147_7147	7147	7147	-363.852	-91.2382	0.34335	0.114975	3.52485	1116.689
7147_7148	7147	7148	283.5158	99.64395	-0.34335	-0.11498	-6.7788	-1702.05
7148_7148	7148	7148	429.1765	193.714	-0.12758	-0.1764	0.606375	6518.408
7148_7149	7148	7149	-403.228	-180.815	0.127575	0.2016	0.9954	-4728.75
7149_7149	7149	7149	399.2672	182.5724	-0.12915	0.486675	-1.04108	4728.752
7149_7150	7149	7150	-336.811	-170.138	0.12915	-0.46305	2.657025	-3119.53
7150_7150	7150	7150	331.8289	147.2168	0.023625	0.023625	-2.62238	3119.521
7150_7151	7150	7151	-241.731	-134.685	-0.02363	-0.02835	2.30265	-1811.06
7151_7151	7151	7151	258.9143	134.9854	0.017325	0.187425	-1.8711	1701.684
7151_7152	7151	7152	-135.088	-124.209	-0.01733	-0.189	1.658475	-741.056
7152_7152	7152	7152	132.8686	101.6017	0.063	0.152775	-1.65218	741.0359
7152_7153	7152	7153	-56.4968	-94.0622	-0.063	-0.15435	1.1277	-245.752
7153_7153	7153	7153	57.46703	93.99128	0.05355	0.099225	-0.9261	237.0328
7153_7154	7153	7154	67.28873	-81.459	-0.05355	-0.09923	0.190575	470.1942
7154_7154	7154	7154	-67.2856	63.56385	0.0126	0.07875	-0.19058	-470.194
7154_7155	7154	7155	133.8986	-53.539	-0.0126	-0.07875	0.058275	847.8209
7155_7155	7155	7155	-133.899	53.53898	0.0126	0.07875	-0.05828	-847.821
7155_7156	7155	7156	189.1071	-43.5141	-0.0126	-0.07875	-0.07403	1160.789
7156_7156	7156	7156	-189.107	27.0963	0	-0.01103	0.074025	-1160.79
7156_7157	7156	7157	212.4171	-17.9818	0	0.011025	-0.0756	1292.941
7157_7157	7157	7157	-212.417	17.98178	0.001575	0.074025	0.0756	-1292.94
7157_7158	7157	7158	226.3023	-8.86883	-0.00158	-0.07403	-0.08978	1371.655
7158_7158	7158	7158	-226.301	-5.6952	-0.00158	-0.06615	0.089775	-1371.64
7158_7159	7158	7159	215.6821	14.8176	0.001575	0.06615	-0.07403	1311.451
7159_7159	7159	7159	-215.682	-14.8176	0	0.02205	0.074025	-1311.45
7159_7160	7159	7160	195.6434	23.93213	0	-0.02205	-0.07088	1197.854
7160_7160	7160	7160	-195.643	-40.4838	-0.0126	-0.1008	0.070875	-1197.85
7160_7161	7160	7161	143.8826	50.50868	0.0126	0.1008	0.074025	904.428
7161_7161	7161	7161	-143.883	-50.5087	-0.0126	-0.04725	-0.07403	-904.428
7161_7162	7161	7162	80.71718	60.53513	0.0126	0.04725	0.20475	546.3439
7162_7162	7162	7162	-80.714	-78.6508	-0.05985	-0.10238	-0.20475	-546.35
7162_7163	7162	7163	-40.046	91.18305	0.05985	0.102375	1.01745	-138.235
7163_7163	7163	7163	40.13888	-91.1531	-0.06458	-0.11655	-1.07888	141.5799
7163_7164	7163	7164	-115.917	98.66903	0.064575	0.114975	1.6065	-616.016
7164_7164	7164	7164	118.0778	-121.732	0.0063	-0.16065	-1.61123	616.0298
7164_7165	7164	7165	-243.208	132.4323	-0.0063	0.16065	1.545075	-1545.35
7165_7165	7165	7165	235.7728	-131.601	0.004725	-0.05828	-1.72778	1601.444
7165_7166	7165	7166	-332.75	144.9882	-0.00473	0.05985	1.6569	-2842.9
7166_7166	7166	7166	337.7147	-170.335	0.0882	-0.3213	-1.68053	2842.872
7166_7167	7166	7167	-408.705	183.6277	-0.0882	0.338625	0.584325	-4409.49
7167_7167	7167	7167	412.6106	-181.846	0.086625	0.14805	-0.54968	4409.49
7167_7168	7167	7168	-444.485	195.6796	-0.08663	-0.13073	-0.53393	-6166.9
7168_7168	7168	7168	-268.541	107.3945	-0.32288	-0.12128	6.37245	1577.174
7168_7169	7168	7169	360.7774	-98.3399	0.322875	0.121275	-3.3075	-968.863
7169_7169	7169	7169	-335.833	98.04533	-0.2142	0.080325	2.63025	847.2492
7169_7170	7169	7170	407.4462	-90.6806	0.2142	-0.08033	-0.96705	-402.383
7170_7170	7170	7170	-407.446	90.68063	-0.2142	0.080325	0.96705	402.3826
7170_7171	7170	7171	473.4702	-83.3144	0.2142	-0.08033	0.69615	7.7616
7171_7171	7171	7171	-473.499	59.031	0.01575	0.007875	-0.69615	-7.79468
7171_7172	7171	7172	516.7638	-51.4285	-0.01575	-0.00788	0.565425	276.5684
7172_7172	7172	7172	-516.764	51.42848	-0.02993	0.045675	-0.56543	-276.568
7172_7173	7172	7173	554.0756	-43.826	0.029925	-0.04568	0.801675	508.3454
7173_7173	7173	7173	-554.076	43.82595	0.01575	-0.02205	-0.80168	-508.345
7173_7174	7173	7174	585.4307	-36.2234	-0.01575	0.02205	0.672525	703.1241
7174_7174	7174	7174	-585.432	13.167	0.0189	-0.0378	-0.67253	-703.148
7174_7175	7174	7175	591.4944	-7.4655	-0.0189	0.0378	0.5607	740.8028
7175_7175	7175	7175	-591.494	7.4655	-0.04253	0.092925	-0.5607	-740.803
7175_7176	7175	7176	594.205	-1.764	0.042525	-0.09293	0.814275	757.6459
7176_7176	7176	7176	-594.207	1.764	0.0189	-0.04095	-0.81428	-757.647

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7176_7177	7176	7177	593.5671	3.9375	-0.0189	0.04095	0.704025	753.68
7177_7177	7177	7177	-593.567	-3.9375	0.0189	-0.04095	-0.70403	-753.68
7177_7178	7177	7178	589.5792	9.639	-0.0189	0.04095	0.5922	728.9021
7178_7178	7178	7178	-589.582	-32.8545	0.02835	-0.05513	-0.5922	-728.926
7178_7179	7178	7179	560.867	40.45703	-0.02835	0.055125	0.3591	550.5413
7179_7179	7179	7179	-560.867	-40.457	-0.01575	0.0189	-0.3591	-550.541
7179_7180	7179	7180	526.1949	48.05955	0.01575	-0.0189	0.4914	335.1569
7180_7180	7180	7180	-526.195	-48.0596	0.02835	-0.02678	-0.4914	-335.157
7180_7181	7180	7181	485.5678	55.66208	-0.02835	0.026775	0.2583	82.77728
7181_7181	7181	7181	-485.598	-79.9423	0.259875	-0.01575	-0.2583	-82.8072
7181_7182	7181	7182	422.1331	87.30698	-0.25988	0.01575	-1.75928	-311.439
7182_7182	7182	7182	-422.133	-87.307	0.259875	-0.01575	1.759275	311.4389
7182_7183	7182	7183	353.0788	94.67168	-0.25988	0.01575	-3.77685	-740.406
7183_7183	7183	7183	-371.609	-94.8402	0.2457	-0.0693	4.2525	830.6755
7183_7184	7183	7184	281.1202	103.8839	-0.2457	0.0693	-6.58665	-1440.94
7184_7184	7184	7184	442.9703	201.137	-0.08978	0.39375	1.104075	6066.925
7184_7185	7184	7185	-403.249	-187.382	0.089775	-0.37328	0.026775	-4291.15
7185_7185	7185	7185	399.2657	189.2457	-0.0882	-0.09923	0.007875	4291.155
7185_7186	7185	7186	-317.673	-176.074	0.0882	0.11655	1.10565	-2678.48
7186_7186	7186	7186	312.5981	150.6913	-0.02048	0.177975	-1.11825	2678.489
7186_7187	7186	7187	-202.365	-137.42	0.020475	-0.17483	1.38915	-1409.73
7187_7187	7187	7187	207.5189	138.2315	-0.01733	0.0693	-1.2348	1361.877
7187_7188	7187	7188	-70.7915	-126.843	0.017325	-0.06773	1.437975	-332.721
7188_7188	7188	7188	68.5503	102.3293	0.058275	0.140175	-1.4364	332.719
7188_7189	7188	7189	12.17318	-94.2858	-0.05828	-0.14175	0.959175	176.852
7189_7189	7189	7189	-13.6049	94.68113	0.05355	0.133875	-0.8694	-177.372
7189_7190	7189	7190	137.1888	-81.1787	-0.05355	-0.13388	0.130725	910.4209
7190_7190	7190	7190	-137.187	61.55888	0.023625	0.10395	-0.13073	-910.421
7190_7191	7190	7191	200.3306	-50.756	-0.02363	-0.10395	-0.13388	1284.956
7191_7191	7191	7191	-200.331	50.75595	0.023625	0.10395	0.133875	-1284.96
7191_7192	7191	7192	251.3275	-39.953	-0.02363	-0.10395	-0.40005	1587.446
7192_7192	7192	7192	-251.324	21.80273	-0.02205	0.02835	0.40005	-1587.45
7192_7193	7192	7193	268.5674	-12.0015	0.02205	-0.02835	-0.1764	1689.721
7193_7193	7193	7193	-268.567	12.0015	-0.02205	0.02835	0.1764	-1689.72
7193_7194	7193	7194	275.814	-2.19083	0.02205	-0.02835	0.04725	1732.706
7194_7194	7194	7194	-275.817	-13.9372	-0.0126	0.0063	-0.04725	-1732.72
7194_7195	7194	7195	256.577	23.74785	0.0126	-0.0063	0.171675	1618.594
7195_7195	7195	7195	-256.577	-23.7479	-0.01418	-0.1071	-0.17168	-1618.59
7195_7196	7195	7196	227.3182	33.55853	0.014175	0.1071	0.3087	1445.044
7196_7196	7196	7196	-227.317	-51.6805	-0.02993	-0.12443	-0.3087	-1445.05
7196_7197	7196	7197	163.1338	62.4834	0.029925	0.124425	0.634725	1064.35
7197_7197	7197	7197	-163.134	-62.4834	-0.02993	-0.12443	-0.63473	-1064.35
7197_7198	7197	7198	86.80455	73.28633	0.029925	0.124425	0.96075	611.6024
7198_7198	7198	7198	-86.7967	-93.1424	-0.08978	-0.1575	-0.96075	-611.61
7198_7199	7198	7199	-53.4949	106.6354	0.089775	0.1575	2.200275	-227.149
7199_7199	7199	7199	53.23815	-106.483	-0.09608	-0.17955	-2.32313	217.3961
7199_7200	7199	7200	-141.342	114.523	0.096075	0.1764	3.116925	-773.706
7200_7200	7200	7200	143.8196	-139.518	0.02205	-0.08663	-3.12008	773.7127
7200_7201	7200	7201	-286.631	150.8063	-0.02205	0.0882	2.868075	-1844.44
7201_7201	7201	7201	270.2747	-150.154	0.03465	-0.23153	-4.41473	1961.534
7201_7202	7201	7202	-377.444	164.3607	-0.03465	0.237825	3.954825	-3384.08
7202_7202	7202	7202	382.9408	-190.421	0.09765	0.13545	-3.93908	3384.06
7202_7203	7202	7203	-460.08	204.4665	-0.09765	-0.1134	2.710575	-5114.12
7203_7203	7203	7203	464.3982	-202.241	0.099225	-0.3591	-2.76255	5114.12
7203_7204	7203	7204	-499.776	216.9342	-0.09923	0.382725	1.50885	-7075.86
7204_7204	7204	7204	-277.986	117.8447	-0.43155	0.06615	8.012025	1909.926
7204_7205	7204	7205	375.9824	-108.043	0.43155	-0.06615	-3.906	-1222.03
7205_7205	7205	7205	-354.488	107.7725	-0.4347	0.02835	3.3705	1072.08
7205_7206	7205	7206	430.3514	-99.7967	0.4347	-0.02835	-0.0063	-571.191

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7206_7206	7206	7206	-430.356	99.79673	-0.36698	0.1071	0.0063	571.1895
7206_7207	7206	7207	500.3885	-91.8209	0.366975	-0.1071	2.842875	-108.796
7207_7207	7207	7207	-500.422	65.38613	-0.06143	0.02205	-2.84288	108.7916
7207_7208	7207	7208	546.6526	-57.1536	0.061425	-0.02205	3.331125	196.4466
7208_7208	7208	7208	-546.653	57.1536	-0.06143	0.02205	-3.33113	-196.447
7208_7209	7208	7209	586.6702	-48.9195	0.061425	-0.02205	3.819375	460.6702
7209_7209	7209	7209	-586.67	48.9195	-0.126	0.083475	-3.81938	-460.67
7209_7210	7209	7210	620.476	-40.687	0.126	-0.08348	4.82265	683.8776
7210_7210	7210	7210	-620.489	14.6601	0.055125	0.001575	-4.82265	-683.874
7210_7211	7210	7211	627.039	-8.48453	-0.05513	-0.00158	4.49505	727.1145
7211_7211	7211	7211	-627.039	8.484525	0.055125	0.001575	-4.49505	-727.115
7211_7212	7211	7212	630.0929	-2.31053	-0.05513	-0.00158	4.16745	747.2824
7212_7212	7212	7212	-630.093	2.310525	-0.0315	0.13545	-4.16745	-747.281
7212_7213	7212	7213	629.6535	3.86505	0.0315	-0.13545	4.354875	744.3781
7213_7213	7213	7213	-629.654	-3.86505	0.055125	0.001575	-4.35488	-744.38
7213_7214	7213	7214	625.7192	10.03905	-0.05513	-0.00158	4.02885	718.4032
7214_7214	7214	7214	-625.736	-36.4439	0.209475	-0.00473	-4.02885	-718.402
7214_7215	7214	7215	595.1311	44.67645	-0.20948	0.004725	2.348325	516.3323
7215_7215	7215	7215	-595.131	-44.6765	0.209475	-0.00473	-2.34833	-516.332
7215_7216	7215	7216	558.3139	52.91055	-0.20948	0.004725	0.669375	273.2468
7216_7216	7216	7216	-558.317	-52.9106	0.1449	0.0315	-0.66938	-273.245
7216_7217	7216	7217	515.2865	61.14308	-0.1449	-0.0315	-0.49613	-10.8596
7217_7217	7217	7217	-515.305	-87.5369	0.300825	-0.49613	0.496125	10.80135
7217_7218	7217	7218	448.4041	95.51273	-0.30083	0.496125	-2.82555	-452.523
7218_7218	7218	7218	-448.404	-95.5127	0.300825	-0.49613	2.82555	452.5227
7218_7219	7218	7219	375.6722	103.4885	-0.30083	0.496125	-5.15498	-932.735
7219_7219	7219	7219	-388.414	-103.608	0.795375	0.785925	5.2416	1042.102
7219_7220	7219	7220	292.5248	113.3953	-0.79538	-0.78593	-12.7969	-1677.56
7220_7220	7220	7220	487.9177	217.4162	-0.00158	-0.74498	1.261575	6684.193
7220_7221	7220	7221	-447.023	-202.847	0.001575	0.744975	-1.24583	-4765.72
7221_7221	7221	7221	442.7199	204.9201	-0.00473	1.318275	1.0836	4765.714
7221_7222	7221	7222	-358.695	-191.027	0.004725	-1.3167	-1.01588	-3071.97
7222_7222	7222	7222	353.2804	164.9718	0.048825	0.00315	1.10565	3072.279
7222_7223	7222	7223	-238.504	-150.909	-0.04883	-0.0126	-1.74668	-1662.01
7223_7223	7223	7223	252.2347	151.3465	0.02835	0.36225	1.122975	1562.471
7223_7224	7223	7224	-104.298	-139.041	-0.02835	-0.3654	-1.4616	-540.066
7224_7224	7224	7224	101.8064	110.9477	0.011025	0.196875	1.469475	540.0957
7224_7225	7224	7225	-14.8223	-102.136	-0.01103	-0.19688	-1.56713	-10.406
7225_7225	7225	7225	14.20493	102.7278	0.00945	0.252	1.6506	11.11478
7225_7226	7225	7226	122.1775	-86.5211	-0.00945	-0.252	-1.78763	859.7075
7226_7226	7226	7226	-122.181	62.60625	0.02205	0.37485	1.787625	-859.747
7226_7227	7226	7227	185.1806	-50.0267	-0.02205	-0.37485	-2.04278	1262.014
7227_7227	7227	7227	-185.181	50.02673	0.0189	-0.15435	2.042775	-1262.02
7227_7228	7227	7228	234.0781	-37.4567	-0.0189	0.15435	-2.26328	1574.238
7228_7228	7228	7228	-234.07	13.28198	-0.03938	0.38115	2.263275	-1574.2
7228_7229	7228	7229	241.8917	-0.71033	0.039375	-0.38115	-1.80653	1624.148
7229_7229	7229	7229	-241.895	0.710325	-0.04253	-0.46305	1.806525	-1624.15
7229_7230	7229	7230	235.6594	11.8629	0.042525	0.46305	-1.30725	1584.333
7230_7230	7230	7230	-235.652	-36.9149	0.0252	0.09765	1.30725	-1584.19
7230_7231	7230	7231	184.9381	50.03303	-0.0252	-0.09765	-1.60808	1260.372
7231_7231	7231	7231	-184.935	-50.033	0.020475	-0.5229	1.608075	-1260.37
7231_7232	7231	7232	118.8416	63.1638	-0.02048	0.5229	-1.8648	838.3489
7232_7232	7232	7232	-118.838	-89.1419	0.05985	-0.02835	1.8648	-838.245
7232_7233	7232	7233	92.04143	92.46038	-0.05985	0.02835	-2.04908	687.1624
7233_7233	7233	7233	-91.1043	-92.6179	0.09135	-0.13545	3.213	-688.861
7233_7234	7233	7234	35.74778	99.02655	-0.09135	0.137025	-3.75953	327.8291
7234_7234	7234	7234	-34.5854	-98.9667	0.089775	-0.22365	3.756375	-327.828
7234_7235	7234	7235	-46.0231	107.8718	-0.08978	0.22995	-4.50923	-223.444
7235_7235	7235	7235	47.2374	-107.418	0.0882	-0.25673	4.506075	223.4471

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7235_7236	7235	7236	-99.5589	113.3969	-0.0882	0.263025	-5.0022	-627.83
7236_7236	7236	7236	90.6507	-144.007	-0.26303	-0.74813	7.86555	680.9005
7236_7237	7236	7237	-185.652	155.8352	0.263025	0.710325	-5.0463	-1796.06
7237_7237	7237	7237	188.3023	-154.626	-0.26775	0.127575	5.09985	1796.057
7237_7238	7237	7238	-251.709	166.0223	0.26775	-0.1701	-2.54678	-2899.7
7238_7238	7238	7238	255.5847	-180.572	-0.4095	-2.18453	2.34675	2898.903
7238_7239	7238	7239	-306.558	192.098	0.4095	2.108925	1.504125	-4197.38
7239_7239	7239	7239	306.3674	-192.634	-0.41423	-0.04725	-1.32143	4197.402
7239_7240	7239	7240	-352.318	205.4934	0.414225	-0.02835	5.652675	-5696.2
7240_7240	7240	7240	-406.804	126.0126	-0.71033	0.5481	13.0473	1179.185
7240_7241	7240	7241	484.259	-117.013	0.710325	-0.5481	-7.55528	-549.585
7241_7241	7241	7241	-475.163	116.8713	-0.37958	0.88515	6.811875	505.5797
7241_7242	7241	7242	555.523	-106.924	0.379575	-0.88515	-3.56895	130.3187
7242_7242	7242	7242	-555.528	106.9236	-0.2205	0.836325	3.56895	-130.328
7242_7243	7242	7243	625.8908	-97.3823	0.2205	-0.83633	-1.76085	687.1221
7243_7243	7243	7243	-625.614	69.40553	-0.8568	0.452025	1.76085	-687.146
7243_7244	7243	7244	679.6409	-57.623	0.8568	-0.45203	6.92685	1114.683
7244_7244	7244	7244	-679.655	57.62295	-0.67568	-0.0189	-6.92685	-1114.68
7244_7245	7244	7245	721.1768	-46.5838	0.675675	0.0189	13.34498	1443.253
7245_7245	7245	7245	-721.136	24.53378	-0.42525	0.50085	-13.345	-1442.9
7245_7246	7245	7246	737.2118	-12.5118	0.42525	-0.50085	17.73765	1570.122
7246_7246	7246	7246	-737.218	12.5118	-0.23153	-0.2079	-17.7377	-1570.12
7246_7247	7246	7247	742.7621	-1.72463	0.231525	0.2079	19.87808	1613.991
7247_7247	7247	7247	-742.825	-24.9008	0.329175	0.785925	-19.8781	-1613.68
7247_7248	7247	7248	718.8946	35.81865	-0.32918	-0.78593	16.7895	1424.307
7248_7248	7248	7248	-718.882	-35.8187	0.63945	-0.24728	-16.7895	-1424.31
7248_7249	7248	7249	682.9846	47.7225	-0.63945	0.247275	10.24065	1140.251
7249_7249	7249	7249	-683.043	-69.1346	1.2978	0.177975	-10.2407	-1140.07
7249_7250	7249	7250	620.2035	80.74868	-1.2978	-0.17798	-2.71845	642.8221
7250_7250	7250	7250	-620.178	-80.7487	1.500975	-0.12758	2.71845	-642.822
7250_7251	7250	7251	550.379	91.94535	-1.50098	0.127575	-17.1785	90.49478
7251_7251	7251	7251	-549.837	-116.903	-1.7955	-4.12808	17.17853	-91.0445
7251_7252	7251	7252	470.8415	125.915	1.7955	4.128075	-3.2634	-534.059
7252_7252	7252	7252	-471.366	-125.846	-1.38758	-3.74693	3.075975	536.486
7252_7253	7252	7253	365.7953	136.8785	1.387575	3.746925	10.09575	-1375.1
7253_7253	7253	7253	353.1182	210.8941	-3.2256	10.53675	-11.4944	5662.723
7253_7254	7253	7254	-325.724	-201.778	3.2256	-10.0091	35.00123	-4534.79
7254_7254	7254	7254	319.7187	177.9782	1.7451	-1.45215	-33.8546	4533.178
7254_7255	7254	7255	-268.493	-163.687	-1.7451	1.034775	13.5891	-3094.56
7255_7255	7255	7255	265.5403	164.8348	1.743525	0.672525	-13.6868	3094.538
7255_7256	7255	7256	-198.244	-152.825	-1.74353	-0.97808	-3.84458	-1956.84
7256_7256	7256	7256	194.8637	130.3722	0.1008	0.033075	3.8997	1956.714
7256_7257	7256	7257	-128.4	-119.346	-0.1008	-0.04568	-4.84943	-1140.42
7257_7257	7257	7257	144.5756	118.2542	0.063	0.137025	3.05235	1038.801
7257_7258	7257	7258	-76.901	-110.247	-0.063	-0.14175	-3.50753	-503.487
7258_7258	7258	7258	75.82208	110.5965	0.063	0.14805	3.507525	503.4858
7258_7259	7258	7259	-25.1559	-104.859	-0.063	-0.1512	-3.8304	-149.626
7259_7259	7259	7259	23.84235	76.26623	-0.04095	0.21735	3.831975	149.6363
7259_7260	7259	7260	30.1455	-66.8729	0.04095	-0.21735	-3.51068	195.174
7260_7260	7260	7260	-31.6071	66.6225	-0.02993	0.137025	2.5893	-182.667
7260_7261	7260	7261	85.41855	-56.0763	0.029925	-0.13703	-2.32313	486.2907
7261_7261	7261	7261	-85.4201	56.0763	-0.0315	0.08505	2.323125	-486.292
7261_7262	7261	7262	127.0868	-46.2877	0.0315	-0.08505	-2.07428	721.391
7262_7262	7262	7262	-127.087	15.70433	0.0378	0.152775	2.074275	-721.408
7262_7263	7262	7263	137.2313	-1.63328	-0.0378	-0.15278	-2.5137	778.6517
7263_7263	7263	7263	-137.231	1.633275	0.0378	0	2.5137	-778.653
7263_7264	7263	7264	131.0416	12.30863	-0.0378	0	-2.9484	743.7323
7264_7264	7264	7264	-131.057	-40.0633	-0.04253	-0.0378	2.9484	-743.758
7264_7265	7264	7265	75.2157	54.29498	0.042525	0.0378	-2.45228	428.6867

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7265_7265	7265	7265	-75.2173	-54.295	-0.04253	-0.1827	2.452275	-428.682
7265_7266	7265	7266	5.0715	68.0778	0.042525	0.1827	-1.97033	32.89388
7266_7266	7266	7266	-5.04945	-96.7034	0.00945	-0.4284	1.970325	-32.8136
7266_7267	7266	7267	-115.125	110.6406	-0.00945	0.4284	-2.07585	-645.243
7267_7267	7267	7267	115.1262	-110.641	0.00945	-0.24885	2.07585	645.2539
7267_7268	7267	7268	-252.794	124.7069	-0.00945	0.24885	-2.18138	-1422.02
7268_7268	7268	7268	252.8064	-159.127	-0.0504	-0.9576	2.181375	1422.211
7268_7269	7268	7269	-318.032	163.9811	0.0504	0.9576	-1.98293	-1915.55
7269_7269	7269	7269	303.3907	-163.548	-0.06773	-0.756	2.6523	2086.115
7269_7270	7269	7270	-448.691	175.3589	0.067725	0.754425	-1.9971	-3111.69
7270_7270	7270	7270	451.5635	-172.485	-0.06773	0.063	2.0097	3111.697
7270_7271	7270	7271	-575.971	184.9885	0.067725	-0.0693	-1.31985	-4366.86
7271_7271	7271	7271	518.9121	-216.822	-1.00643	-3.06968	1.935675	4764.587
7271_7272	7271	7272	-627.226	232.8055	1.006425	2.90115	10.41075	-6794.47
7272_7272	7272	7272	632.0585	-229.637	-1.00643	2.360925	-10.1304	6794.497
7272_7273	7272	7273	-683.766	246.7978	1.006425	-2.58773	22.68158	-9121.05
7273_7273	7273	7273	689.1003	-249.559	2.537325	-6.3441	-23.4203	9123.435
7273_7274	7273	7274	-698.524	257.4668	-2.53733	6.63075	9.303525	-10251.1
7274_7274	7274	7274	701.5491	-256.194	2.537325	-2.29005	-8.98538	10251.14
7274_7275	7274	7275	-703.022	267.7925	-2.53733	2.729475	-11.3825	-11839.9
7275_7275	7275	7275	-378.318	187.2707	1.957725	5.94405	23.1525	3526.598
7275_7276	7275	7276	463.7021	-180.5	-1.95773	-5.94405	-33.9208	-2780.28
7276_7276	7276	7276	-464.496	148.8706	-2.34833	-1.24898	33.92078	2781.466
7276_7277	7276	7277	513.9005	-143.813	2.348325	1.248975	-24.5338	-2389.64
7277_7277	7277	7277	-475.143	143.5817	-1.9404	-0.17955	21.98385	2247.16
7277_7278	7277	7278	595.2067	-130.786	1.9404	0.17955	-2.32628	-1337.67
7278_7278	7278	7278	-595.249	130.7864	-1.66635	0.45675	2.326275	1337.663
7278_7279	7278	7279	694.805	-119.139	1.66635	-0.45675	13.0347	-583.523
7279_7279	7279	7279	-694.773	84.90353	-1.08518	0.14805	-13.0347	583.5848
7279_7280	7279	7280	772.9738	-70.1584	1.085175	-0.14805	25.704	8.786925
7280_7280	7280	7280	-773.004	70.15838	-0.6867	0.14175	-25.704	-8.79008
7280_7281	7280	7281	838.7442	-54.7722	0.6867	-0.14175	34.05938	506.7815
7281_7281	7281	7281	-920.239	27.03015	3.287025	0.1701	-103.405	-126.369
7281_7282	7281	7282	938.6827	-16.2509	-3.28703	-0.1701	62.66768	320.7913
7282_7282	7282	7282	-938.65	16.25085	4.106025	-0.07718	-62.6677	-320.791
7282_7283	7282	7283	947.531	-6.27953	-4.10603	0.077175	15.58935	414.403
7283_7283	7283	7283	-947.999	-34.8752	-2.64285	0.149625	-15.5894	-414.49
7283_7284	7283	7284	918.8928	44.1882	2.64285	-0.14963	43.88895	107.6733
7284_7284	7284	7284	-918.92	-44.1882	-1.46475	0.029925	-43.889	-107.675
7284_7285	7284	7285	886.5722	52.63965	1.46475	-0.02993	58.11593	-233.308
7285_7285	7285	7285	-886.681	-85.9651	6.12675	-2.2491	-58.1159	233.2591
7285_7286	7285	7286	836.3849	93.07148	-6.12675	2.2491	8.059275	-763.456
7286_7286	7286	7286	-836.35	-93.0715	6.622875	-1.89315	-8.05928	763.4687
7286_7287	7286	7287	787.7158	99.46125	-6.62288	1.89315	-40.5941	-1276.15
7287_7287	7287	7287	-815.061	-99.5857	7.40565	-0.91823	41.3658	1338.2
7287_7288	7287	7288	759.4823	106.5645	-7.40565	0.918225	-100.717	-1985.68
7288_7288	7288	7288	466.3292	337.3729	-1.33403	-1.197	-9.46733	10351.03
7288_7289	7288	7289	-390.723	-324.867	1.334025	1.390725	26.41433	-6936.11
7289_7289	7289	7289	386.4767	325.8234	-1.3482	5.5377	-27.0097	6936.057
7289_7290	7289	7290	-283.705	-315.137	1.3482	-5.37863	41.88713	-4168.29
7290_7290	7290	7290	275.7778	275.8754	1.14345	-0.33863	-41.317	4169.098
7290_7291	7290	7291	-196.015	-268.997	-1.14345	0.2709	32.886	-2639.88
7291_7291	7291	7291	191.4633	270.0369	1.138725	0.968625	-32.9096	2639.876
7291_7292	7291	7292	-77.9641	-262.119	-1.13873	-1.02218	22.98555	-883.264
7292_7292	7292	7292	82.32683	260.5979	0.756	1.242675	-15.487	819.9384
7292_7293	7292	7293	-12.3055	-256.849	-0.756	-1.25213	12.25823	47.30355
7293_7293	7293	7293	9.398025	230.0445	0.0945	1.20645	-12.2346	-47.2878
7293_7294	7293	7294	95.5962	-223.806	-0.0945	-1.20645	11.5605	1168.059
7294_7294	7294	7294	-96.4231	223.7902	0.089775	0.855225	-11.5526	-1168.07

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7294_7295	7294	7295	218.9912	-216.288	-0.08978	-0.85523	10.78718	2477.303
7295_7295	7295	7295	-186.286	218.0162	0.126	-0.27878	-16.5155	-2661.78
7295_7296	7295	7296	270.2401	-211.812	-0.126	0.278775	15.62558	3778.68
7296_7296	7296	7296	-270.264	176.7859	0.285075	3.5343	-15.6256	-3779.14
7296_7297	7296	7297	374.8232	-166.856	-0.28508	-3.5343	12.48975	5170.208
7297_7297	7297	7297	-374.822	166.8555	0.27405	-0.44258	-12.4898	-5170.22
7297_7298	7297	7298	476.8738	-156.558	-0.27405	0.442575	9.369675	6527.906
7298_7298	7298	7298	-476.932	120.9411	0.17325	5.7204	-9.36968	-6528.66
7298_7299	7298	7299	548.9915	-110.793	-0.17325	-5.7204	7.4277	7487.334
7299_7299	7299	7299	-548.991	110.7934	0.1575	-2.26485	-7.4277	-7487.36
7299_7300	7299	7300	622.3707	-99.3998	-0.1575	2.26485	5.4495	8463.578
7300_7300	7300	7300	-622.435	63.63788	0.21105	5.28885	-5.4495	-8464.53
7300_7301	7300	7301	661.6701	-52.6239	-0.21105	-5.28885	2.8854	8986.509
7301_7301	7301	7301	-661.669	52.6239	0.1953	-3.2319	-2.8854	-8986.52
7301_7302	7301	7302	692.2283	-42.0966	-0.1953	3.2319	0.60165	9393.07
7302_7302	7302	7302	-692.298	5.633775	0.126	5.403825	-0.60165	-9393.99
7302_7303	7302	7303	692.1968	5.917275	-0.126	-5.40383	-1.0143	9392.651
7303_7303	7303	7303	-692.197	-5.91728	0.11025	-4.83368	1.0143	-9392.65
7303_7304	7303	7304	685.5172	15.90435	-0.11025	4.833675	-2.22863	9303.807
7304_7304	7304	7304	-685.602	-54.0698	-0.00945	4.7124	2.228625	-9304.83
7304_7305	7304	7305	647.6542	64.51358	0.00945	-4.7124	-2.11838	8799.988
7305_7305	7305	7305	-647.656	-64.5136	-0.0252	-4.4163	2.118375	-8799.99
7305_7306	7305	7306	600.0498	75.60158	0.0252	4.4163	-1.8081	8166.649
7306_7306	7306	7306	-600.116	-116.054	-0.25515	3.545325	1.8081	-8167.41
7306_7307	7306	7307	520.1784	126.797	0.25515	-3.54533	1.22535	7103.93
7307_7307	7307	7307	-520.182	-126.797	-0.27248	-4.7565	-1.22535	-7103.92
7307_7308	7307	7308	432.7596	137.5873	0.272475	4.7565	4.484025	5940.873
7308_7308	7308	7308	-432.651	-186.907	2.6649	1.54035	-4.48403	-5941.31
7308_7309	7308	7309	304.805	197.7539	-2.6649	-1.54035	-27.4869	4240.462
7309_7309	7309	7309	-304.769	-197.754	2.646	-3.68708	27.4869	-4240.45
7309_7310	7309	7310	171.8309	208.4339	-2.646	3.687075	-58.7475	2471.837
7310_7310	7310	7310	-172.125	-250.307	-4.39268	-1.58603	58.7475	-2471.95
7310_7311	7310	7311	-17.8085	262.3966	4.392675	1.586025	0	-54.9234
7400_7020	7400	7020	1002.85	-122.659	53.4177	0.86625	-277.613	-2067.69
7400_7401	7400	7401	-1002.85	122.6594	-53.4177	-0.86625	59.16173	1525.545
7401_7401	7401	7401	1001.881	-117.845	7.063875	0.770175	-59.7539	-1525.57
7401_7402	7401	7402	-1001.88	117.8447	-7.06388	-0.77018	35.1036	1114.346
7402_7402	7402	7402	1004.433	-93.7724	5.11245	-0.61583	-35.7273	-1114.33
7402_7403	7402	7403	-1004.43	93.77235	-5.11245	0.615825	-20.1175	89.89943
7403_7403	7403	7403	999.0745	-62.1101	-0.6993	-0.16538	18.26685	-89.9168
7403_7404	7403	7404	-999.074	62.11013	0.6993	0.165375	-13.2237	-357.78
7404_7404	7404	7404	1000.249	-38.8379	-1.3104	-0.252	13.29458	357.777
7404_7405	7404	7405	-1000.25	38.83793	1.3104	0.252	-3.84143	-637.859
7405_7405	7405	7405	997.0569	-3.5154	-0.1071	-0.11183	3.353175	637.8577
7405_7406	7405	7406	-997.057	3.5154	0.1071	0.111825	-1.80653	-688.516
7406_7406	7406	7406	995.5764	31.84965	-0.03308	-0.07875	1.93095	688.5176
7406_7407	7406	7407	-995.576	-31.8497	0.033075	0.07875	-1.64273	-406.322
7407_7407	7407	7407	994.6897	52.69478	-0.12758	-0.0756	1.658475	406.3217
7407_7408	7407	7408	-994.69	-52.6948	0.127575	0.0756	-0.94973	-113.529
7408_7408	7408	7408	986.1516	-156.443	-0.6741	-0.9198	0.89775	113.5323
7408_7409	7408	7409	-986.152	156.4432	0.6741	0.9198	1.138725	-585.894
7409_7409	7409	7409	985.1924	153.3278	-1.18598	0.653625	-1.0773	585.9725
7409_7410	7409	7410	-985.192	-153.328	1.185975	-0.65363	4.669875	-121.532
7410_7410	7410	7410	997.531	-56.6039	0.73395	-0.2142	-3.99735	121.5317
7410_7411	7410	7411	-997.531	56.60393	-0.73395	0.2142	-0.07718	-435.999
7411_7411	7411	7411	998.4965	-35.7147	0.3843	-0.06615	0.0063	435.9994
7411_7412	7411	7412	-998.496	35.7147	-0.3843	0.06615	-3.4083	-752.376
7412_7412	7412	7412	1004.463	-0.12443	0.096075	-0.09608	3.6225	752.3775
7412_7413	7412	7413	-1004.46	0.124425	-0.09608	0.096075	-5.00063	-754.171

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7413_7413	7413	7413	1011.421	35.43908	-0.2142	0.2394	5.4936	754.184
7413_7414	7413	7414	-1011.42	-35.4391	0.2142	-0.2394	-3.94695	-498.454
7414_7414	7414	7414	1010.348	58.52385	0.596925	-0.2583	4.08555	498.4544
7414_7415	7414	7415	-1010.35	-58.5239	-0.59693	0.2583	-8.38215	-76.9041
7415_7415	7415	7415	1018.699	90.783	0.020475	-0.08978	10.18553	76.91355
7415_7416	7415	7416	-1018.7	-90.783	-0.02048	0.089775	-10.4013	914.7112
7416_7416	7416	7416	1016.259	114.9167	0.7938	0.382725	10.20285	-914.714
7416_7417	7416	7417	-1016.26	-114.917	-0.7938	-0.38273	-12.9701	1315.246
7417_7417	7417	7417	1017.34	120.0512	-28.8808	-0.28193	15.83663	-1315.23
7417_7036	7417	7036	-1017.34	-120.051	28.88078	0.281925	102.4254	1824.899
7420_7056	7420	7056	860.7076	-111.464	41.00985	0.530775	-162.277	-1951.68
7420_7421	7420	7421	-860.708	111.4643	-41.0099	-0.53078	-5.69835	1475.792
7421_7421	7421	7421	859.5626	-106.936	0.85365	0.571725	2.549925	-1475.78
7421_7422	7421	7422	-859.563	106.9362	-0.85365	-0.57173	-5.52825	1102.845
7422_7422	7422	7422	861.881	-86.2911	0.278775	-0.31973	5.3172	-1102.85
7422_7423	7422	7423	-861.881	86.2911	-0.27878	0.319725	-8.3601	160.6469
7423_7423	7423	7423	855.7668	-59.4641	0.020475	-0.09293	6.9426	-160.641
7423_7424	7423	7424	-855.767	59.46413	-0.02048	0.092925	-7.08593	-268.385
7424_7424	7424	7424	856.9355	-39.1608	-0.63473	-0.05198	7.155225	268.3816
7424_7425	7424	7425	-856.935	39.1608	0.634725	0.051975	-2.57985	-550.689
7425_7425	7425	7425	853.439	-9.12555	-0.14333	-0.01103	2.42235	550.6862
7425_7426	7425	7426	-853.439	9.12555	0.143325	0.011025	-0.34493	-682.194
7426_7426	7426	7426	851.245	21.48458	0.310275	-0.1134	0.5229	682.1955
7426_7427	7426	7427	-851.245	-21.4846	-0.31028	0.1134	-3.27128	-491.972
7427_7427	7427	7427	850.6292	38.84895	-0.41738	0.231525	3.457125	491.9702
7427_7428	7427	7428	-850.629	-38.849	0.417375	-0.23153	-1.1403	-275.99
7428_7428	7428	7428	841.2611	-140.279	-2.18925	-0.94028	1.47735	275.9967
7428_7429	7428	7429	-841.261	140.279	2.18925	0.940275	5.154975	-700.979
7429_7429	7429	7429	841.6627	140.7924	-2.42393	0.8568	-5.13765	701.4719
7429_7430	7429	7430	-841.663	-140.792	2.423925	-0.8568	12.45668	-276.309
7430_7430	7430	7430	852.7066	-37.7921	1.7199	-0.43943	-11.0502	276.3101
7430_7431	7430	7431	-852.707	37.79213	-1.7199	0.439425	1.485225	-486.414
7431_7431	7431	7431	853.3004	-20.4388	0.505575	0.275625	-1.79235	486.4136
7431_7432	7431	7432	-853.3	20.43878	-0.50558	-0.27563	-2.68695	-667.354
7432_7432	7432	7432	856.9985	10.3257	-0.0756	0.04725	3.019275	667.3653
7432_7433	7432	7433	-856.998	-10.3257	0.0756	-0.04725	-1.92623	-518.49
7433_7433	7433	7433	861.955	40.15463	0.3087	0.111825	2.8728	518.4947
7433_7434	7433	7434	-861.955	-40.1546	-0.3087	-0.11183	-5.09513	-229.151
7434_7434	7434	7434	860.7627	60.56033	-0.1449	0.1134	5.057325	229.1515
7434_7435	7434	7435	-860.763	-60.5603	0.1449	-0.1134	-4.0131	207.5456
7435_7435	7435	7435	867.9526	87.70545	-0.756	0.5355	6.0858	-207.544
7435_7436	7435	7436	-867.953	-87.7055	0.756	-0.5355	2.17035	1165.445
7436_7436	7436	7436	865.6279	108.2529	-2.00655	-1.15448	-1.69155	-1165.44
7436_7437	7436	7437	-865.628	-108.253	2.00655	1.154475	8.68455	1542.681
7437_7437	7437	7437	866.817	113.0252	-36.1242	-0.3843	-6.4071	-1542.67
7437_7072	7437	7072	-866.817	-113.025	36.1242	0.3843	154.2539	2025.294
7440_7094	7440	7094	922.1987	-104.789	33.68453	0.42525	-134.343	-1542.99
7440_7441	7440	7441	-922.199	104.7895	-33.6845	-0.42525	-3.66975	1113.653
7441_7441	7441	7441	920.3985	-100.257	0.53865	0.0504	1.5309	-1113.65
7441_7442	7441	7442	-920.399	100.2566	-0.53865	-0.0504	-3.41145	763.7364
7442_7442	7442	7442	922.5594	-77.9168	0.307125	-0.22838	3.35475	-763.736
7442_7443	7442	7443	-922.559	77.91683	-0.30713	0.228375	-6.70635	-86.8943
7443_7443	7443	7443	915.6814	-49.1636	-0.3213	-0.01418	5.6511	86.89748
7443_7444	7443	7444	-915.681	49.16363	0.3213	0.014175	-3.33743	-441.397
7444_7444	7444	7444	916.5886	-27.4554	-0.06773	-0.21578	3.293325	441.3985
7444_7445	7444	7445	-916.589	27.4554	0.067725	0.215775	-2.80665	-639.222
7445_7445	7445	7445	912.2747	4.137525	-0.378	-0.03308	3.03345	639.2232
7445_7446	7445	7446	-912.275	-4.13753	0.378	0.033075	2.414475	-579.554
7446_7446	7446	7446	908.8112	37.3212	1.623825	-0.11655	-2.23493	579.5512

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7446_7447	7446	7447	-908.811	-37.3212	-1.62383	0.11655	-12.1307	-249.299
7447_7447	7447	7447	907.8773	55.61325	-0.37328	0.171675	12.37163	249.2879
7447_7448	7447	7448	-907.877	-55.6133	0.373275	-0.17168	-10.2958	59.89253
7448_7448	7448	7448	900.5787	-135.43	-1.7766	1.43325	11.19825	-59.8862
7448_7449	7448	7449	-900.579	135.4295	1.7766	-1.43325	-5.82435	-349.686
7449_7449	7449	7449	900.4921	135.061	1.529325	-1.57815	5.857425	349.7083
7449_7450	7449	7450	-900.492	-135.061	-1.52933	1.57815	-10.4832	58.79318
7450_7450	7450	7450	908.0678	-55.9283	-0.86783	0.074025	10.26743	-58.7853
7450_7451	7450	7451	-908.068	55.92825	0.867825	-0.07403	-5.44635	-252.162
7451_7451	7451	7451	909.0097	-37.6551	-0.5481	-0.12285	5.48415	252.1622
7451_7452	7451	7452	-909.01	37.6551	0.5481	0.12285	-0.63	-585.36
7452_7452	7452	7452	912.7598	-4.47615	0.07875	-0.01418	0.370125	585.3598
7452_7453	7452	7453	-912.76	4.47615	-0.07875	0.014175	-1.49468	-649.925
7453_7453	7453	7453	917.3698	27.12465	0.19215	0.051975	1.797075	649.9253
7453_7454	7453	7454	-917.37	-27.1247	-0.19215	-0.05198	-3.18623	-454.501
7454_7454	7454	7454	916.4689	48.85493	-0.02835	0.0882	3.15	454.5025
7454_7455	7454	7455	-916.469	-48.8549	0.02835	-0.0882	-2.9484	-102.268
7455_7455	7455	7455	923.306	77.84753	0.85365	0.348075	4.21785	102.2711
7455_7456	7455	7456	-923.306	-77.8475	-0.85365	-0.34808	-13.5434	748.1502
7456_7456	7456	7456	921.2474	99.28013	0.0882	-0.60638	13.71983	-748.145
7456_7457	7456	7457	-921.247	-99.2801	-0.0882	0.606375	-14.027	1093.604
7457_7457	7457	7457	923.0051	104.6399	-30.6905	-0.28665	17.04623	-1093.58
7457_7110	7457	7110	-923.005	-104.64	30.69045	0.28665	108.6671	1537.434
7460_7132	7460	7132	842.4644	-141.788	15.3783	0.0945	-60.7525	-2112.9
7460_7461	7460	7461	-842.464	141.7878	-15.3783	-0.0945	-14.6286	1356.316
7461_7461	7461	7461	846.0128	-101.334	-1.79393	-0.7308	13.68833	-1356.33
7461_7462	7461	7462	-846.013	101.3339	1.793925	0.7308	-7.4277	1002.864
7462_7462	7462	7462	848.2021	-81.007	-1.0395	0.00945	7.678125	-1002.86
7462_7463	7462	7463	-848.202	81.00698	1.0395	-0.00945	3.67605	118.2321
7463_7463	7463	7463	844.0126	-55.8983	-0.3654	-0.04253	-3.41775	-118.238
7463_7464	7463	7464	-844.013	55.89833	0.3654	0.042525	6.046425	-284.618
7464_7464	7464	7464	845.0993	-35.8769	0.820575	-0.30398	-6.18975	284.6151
7464_7465	7464	7465	-845.099	35.87693	-0.82058	0.303975	0.27405	-542.988
7465_7465	7465	7465	845.2395	-8.29395	-0.01733	-0.08348	-0.20003	542.9781
7465_7466	7465	7466	-845.24	8.29395	0.017325	0.083475	0.4599	-662.552
7466_7466	7466	7466	847.2366	20.32223	-0.26775	0.127575	-0.063	662.5474
7466_7467	7466	7467	-847.237	-20.3222	0.26775	-0.12758	2.4381	-482.605
7467_7467	7467	7467	846.6397	37.74015	0.527625	-0.26775	-2.63813	482.6036
7467_7468	7467	7468	-846.64	-37.7402	-0.52763	0.26775	-0.2961	-272.866
7468_7468	7468	7468	841.8643	-143.49	1.198575	-0.42525	0.22995	272.8593
7468_7469	7468	7469	-841.864	143.4904	-1.19858	0.42525	-3.85245	-706.63
7469_7469	7469	7469	844.1039	144.1771	-0.86625	0.38115	-2.29635	713.0781
7469_7470	7469	7470	-844.104	-144.177	0.86625	-0.38115	4.914	-277.236
7470_7470	7470	7470	849.4211	-37.5149	0.2898	-0.0126	-4.5864	277.2394
7470_7471	7470	7471	-849.421	37.51493	-0.2898	0.0126	2.9736	-485.728
7471_7471	7471	7471	850.0212	-19.656	0.455175	-0.0441	-2.93265	485.7284
7471_7472	7471	7472	-850.021	19.656	-0.45518	0.0441	-1.10093	-659.952
7472_7472	7472	7472	848.8226	8.865675	-0.04253	0.0315	0.341775	659.9549
7472_7473	7472	7473	-848.823	-8.86568	0.042525	-0.0315	0.26145	-532.208
7473_7473	7473	7473	849.6117	38.22053	0.6237	-0.0252	-0.2709	532.213
7473_7474	7473	7474	-849.612	-38.2205	-0.6237	0.0252	-4.22258	-256.594
7474_7474	7474	7474	848.4935	57.95685	-0.56228	0.24255	4.099725	256.5959
7474_7475	7474	7475	-848.493	-57.9569	0.562275	-0.24255	-0.05198	161.0989
7475_7475	7475	7475	852.5428	84.75705	1.3041	0.171675	0.5229	-161.091
7475_7476	7475	7476	-852.543	-84.7571	-1.3041	-0.17168	-14.7625	1086.682
7476_7476	7476	7476	850.2638	105.1864	1.47105	0.0378	14.70263	-1086.68
7476_7477	7476	7477	-850.264	-105.186	-1.47105	-0.0378	-19.8324	1453.593
7477_7477	7477	7477	851.9396	109.6578	-26.6144	-0.22995	22.63905	-1453.57
7477_7148	7477	7148	-851.94	-109.658	26.61435	0.22995	86.33993	1902.595

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7480_7168	7480	7168	868.3873	-120.695	28.06335	0.441	-103.197	-2264.9
7480_7481	7480	7481	-868.387	120.6954	-28.0634	-0.441	-11.7133	1770.672
7481_7481	7481	7481	867.4218	-116.104	-1.95458	-2.8791	8.213625	-1770.65
7481_7482	7481	7482	-867.422	116.1043	1.954575	2.8791	-1.3986	1365.662
7482_7482	7482	7482	869.9607	-95.2623	0.27405	0.70245	2.3877	-1365.66
7482_7483	7482	7483	-869.961	95.2623	-0.27405	-0.70245	-5.38808	325.3509
7483_7483	7483	7483	867.5903	-67.862	-0.32288	-0.13545	4.912425	-325.354
7483_7484	7483	7484	-867.59	67.86203	0.322875	0.13545	-2.58458	-163.731
7484_7484	7484	7484	868.9338	-47.6768	-0.28823	-0.2016	2.578275	163.7307
7484_7485	7484	7485	-868.934	47.67683	0.288225	0.2016	-0.4977	-507.544
7485_7485	7485	7485	870.1056	-17.9928	-0.1512	-0.09923	0.855225	507.539
7485_7486	7485	7486	-870.106	17.9928	0.1512	0.099225	1.330875	-766.957
7486_7486	7486	7486	873.7234	11.76998	-0.189	0.1827	-0.60008	766.9526
7486_7487	7486	7487	-873.723	-11.77	0.189	-0.1827	2.27115	-662.744
7487_7487	7487	7487	873.2966	29.73285	0.628425	-0.38115	-2.54678	662.7427
7487_7488	7487	7488	-873.297	-29.7329	-0.62843	0.38115	-0.94815	-497.505
7488_7488	7488	7488	868.0046	-157.385	-0.34808	0.187425	1.113525	497.5079
7488_7489	7488	7489	-868.005	157.385	0.348075	-0.18743	-0.063	-973.281
7489_7489	7489	7489	869.3134	158.1206	-1.6569	-0.25673	3.8367	976.8245
7489_7490	7489	7490	-869.313	-158.121	1.6569	0.256725	1.170225	-498.832
7490_7490	7490	7490	874.9188	-29.2478	0.448875	-0.36225	-0.78593	498.8387
7490_7491	7490	7491	-874.919	29.24775	-0.44888	0.36225	-1.70888	-661.382
7491_7491	7491	7491	875.3393	-10.8565	-0.37485	0.2205	1.431675	661.3819
7491_7492	7491	7492	-875.339	10.85648	0.37485	-0.2205	1.89	-757.614
7492_7492	7492	7492	871.8539	18.38025	0.3087	0.067725	-2.02388	757.627
7492_7493	7492	7493	-871.854	-18.3803	-0.3087	-0.06773	-2.4318	-492.788
7493_7493	7493	7493	870.9167	48.39345	-0.44415	0.250425	2.18295	492.7892
7493_7494	7493	7494	-870.917	-48.3935	0.44415	-0.25043	1.015875	-143.812
7494_7494	7494	7494	869.5559	68.6259	0.7056	0.07875	-0.945	143.8117
7494_7495	7494	7495	-869.556	-68.6259	-0.7056	-0.07875	-4.14225	350.784
7495_7495	7495	7495	872.4445	96.0876	0.631575	0.168525	4.70295	-350.773
7495_7496	7495	7496	-872.444	-96.0876	-0.63158	-0.16853	-11.6015	1400.096
7496_7496	7496	7496	869.8867	116.991	0.801675	0.17325	11.52585	-1400.1
7496_7497	7496	7497	-869.887	-116.991	-0.80168	-0.17325	-14.3215	1808.182
7497_7497	7497	7497	871.0868	121.4073	-30.4117	-0.41895	17.02103	-1808.17
7497_7184	7497	7184	-871.087	-121.407	30.41168	0.41895	107.5064	2351.405
7500_7204	7500	7204	957.8882	-129.945	34.19955	0.842625	-142.07	-2371.69
7500_7501	7500	7501	-957.888	129.9454	-34.1996	-0.84263	2.03175	1816.115
7501_7501	7501	7501	957.5165	-124.628	0.96705	0.063	-3.58628	-1816.15
7501_7502	7501	7502	-957.517	124.6282	-0.96705	-0.063	0.212625	1381.423
7502_7502	7502	7502	960.2318	-101.619	0.7812	-0.20948	-0.29138	-1381.42
7502_7503	7502	7503	-960.232	101.619	-0.7812	0.209475	-8.23095	271.6765
7503_7503	7503	7503	952.2419	-71.253	0.0945	-0.2205	6.75675	-271.681
7503_7504	7503	7504	-952.242	71.253	-0.0945	0.2205	-7.43558	-241.838
7504_7504	7504	7504	953.6405	-49.0975	-1.16708	-0.06773	7.54425	241.835
7504_7505	7504	7505	-953.64	49.09748	1.167075	0.067725	0.86625	-595.886
7505_7505	7505	7505	947.8161	-15.6996	0.237825	-0.07403	-1.9341	595.8871
7505_7506	7505	7506	-947.816	15.6996	-0.23783	0.074025	-1.4994	-822.252
7506_7506	7506	7506	943.3195	18.48893	0.41265	0.2772	1.387575	822.2445
7506_7507	7506	7507	-943.319	-18.4889	-0.41265	-0.2772	-5.04	-658.542
7507_7507	7507	7507	942.7383	37.8819	1.2978	-0.43313	4.76595	658.5437
7507_7508	7507	7508	-942.738	-37.8819	-1.2978	0.433125	-11.9779	-448.018
7508_7508	7508	7508	928.609	-159.496	-1.43483	1.03005	12.45983	447.9883
7508_7509	7508	7509	-928.609	159.4955	1.434825	-1.03005	-8.12228	-930.135
7509_7509	7509	7509	928.7397	160.135	1.7388	-0.82845	8.078175	930.0359
7509_7510	7509	7510	-928.74	-160.135	-1.7388	0.82845	-13.334	-445.947
7510_7510	7510	7510	941.1885	-37.1228	-0.40793	-0.16065	12.83625	445.925
7510_7511	7510	7511	-941.189	37.12275	0.407925	0.16065	-10.5714	-652.233
7511_7511	7511	7511	941.7524	-17.7613	-1.2915	0.228375	10.30208	652.2374

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7511_7512	7511	7512	-941.752	17.76128	1.2915	-0.22838	1.129275	-809.498
7512_7512	7512	7512	944.2046	16.32645	0.19215	0.146475	-0.92768	809.4996
7512_7513	7512	7513	-944.205	-16.3265	-0.19215	-0.14648	-1.8396	-574.111
7513_7513	7513	7513	948.1689	49.65975	0.40635	0.2835	2.326275	574.1174
7513_7514	7513	7514	-948.169	-49.6598	-0.40635	-0.2835	-5.25578	-216.01
7514_7514	7514	7514	946.7577	71.68455	0.36855	0.1701	5.258925	216.0097
7514_7515	7514	7515	-946.758	-71.6846	-0.36855	-0.1701	-7.91438	300.6297
7515_7515	7515	7515	952.9695	101.7749	-0.38273	1.96245	9.0594	-300.606
7515_7516	7515	7516	-952.97	-101.775	0.382725	-1.96245	-4.88093	1412.039
7516_7516	7516	7516	950.2416	124.6093	-4.61003	-4.66358	6.6654	-1412.03
7516_7517	7516	7517	-950.242	-124.609	4.610025	4.663575	9.4122	1846.678
7517_7517	7517	7517	950.4306	130.4573	-48.143	-2.09003	-1.04895	-1846.67
7517_7220	7517	7220	-950.431	-130.457	48.14303	2.090025	198.1933	2380.893
7520_7240	7520	7240	934.7987	4.70925	51.1119	7.158375	-199.198	-3041.28
7520_7521	7520	7521	-934.799	-4.70925	-51.1119	-7.15838	74.97473	3052.726
7521_7521	7521	7521	928.5728	-159.615	9.067275	3.0618	-77.909	-3049.77
7521_7522	7521	7522	-928.573	159.6152	-9.06728	-3.0618	46.28925	2493.127
7522_7522	7522	7522	932.1417	-137.349	7.237125	-0.94815	-47.7005	-2493.1
7522_7523	7522	7523	-932.142	137.3495	-7.23713	0.94815	-31.3346	993.1226
7523_7523	7523	7523	929.3587	-104.111	-0.83003	0.259875	27.60345	-992.365
7523_7524	7523	7524	-929.359	104.1107	0.830025	-0.25988	-21.6216	241.9169
7524_7524	7524	7524	931.5212	-82.5253	-2.5704	-0.70718	21.45623	-241.931
7524_7525	7524	7525	-931.521	82.52528	2.5704	0.707175	-2.91848	-353.348
7525_7525	7525	7525	924.2147	-47.3681	-0.8694	-0.24255	1.371825	353.063
7525_7526	7525	7526	-924.215	47.36813	0.8694	0.24255	11.1699	-1035.89
7526_7526	7526	7526	916.6831	-13.0205	0.650475	-1.41593	-11.718	1035.082
7526_7527	7526	7527	-916.683	13.02053	-0.65048	1.415925	5.9535	-1150.38
7527_7527	7527	7527	916.7555	5.835375	-1.7829	1.752975	-4.58168	1150.383
7527_7528	7527	7528	-916.756	-5.83538	1.7829	-1.75298	14.49315	-1117.95
7528_7528	7528	7528	890.9618	-184.921	0.848925	-3.24923	-13.8002	1117.05
7528_7529	7528	7529	-890.962	184.9208	-0.84893	3.249225	11.23133	-1676.48
7529_7529	7529	7529	890.3255	181.355	-0.44573	2.899575	-11.1557	1675.357
7529_7530	7529	7530	-890.325	-181.355	0.445725	-2.89958	12.4992	-1128.48
7530_7530	7530	7530	905.7557	-7.4655	4.43835	-2.394	-11.7385	1128.05
7530_7531	7530	7531	-905.756	7.4655	-4.43835	2.394	-12.9292	-1169.55
7531_7531	7531	7531	905.7242	11.3589	1.384425	1.302525	11.15573	1169.565
7531_7532	7531	7532	-905.724	-11.3589	-1.38443	-1.30253	-23.4234	-1068.93
7532_7532	7532	7532	904.7147	43.1613	-0.90563	0.12915	22.63905	1068.471
7532_7533	7532	7533	-904.715	-43.1613	0.905625	-0.12915	-9.59648	-446.459
7533_7533	7533	7533	903.357	75.0456	-0.56858	0.637875	9.47835	446.3708
7533_7534	7533	7534	-903.357	-75.0456	0.568575	-0.63788	-5.37233	95.07645
7534_7534	7534	7534	901.3993	95.69543	-2.49008	0.303975	5.454225	-95.0733
7534_7535	7534	7535	-901.399	-95.6954	2.490075	-0.30398	12.48188	784.3673
7535_7535	7535	7535	898.3107	125.0393	7.20405	2.6649	-11.1872	-783.815
7535_7536	7535	7536	-898.311	-125.039	-7.20405	-2.6649	-67.5376	2150.116
7536_7536	7536	7536	895.1024	146.3474	4.786425	-5.01323	69.20393	-2150.06
7536_7537	7536	7537	-895.102	-146.347	-4.78643	5.013225	-85.8989	2660.436
7537_7537	7537	7537	899.5723	150.0314	-22.3067	-11.6267	90.45698	-2660.79
7537_7253	7537	7253	-899.572	-150.031	22.30673	11.62665	0.74025	3306.918
7540_7275	7540	7275	1333.208	-160.774	6.500025	10.27373	-137.611	-2589.61
7540_7541	7540	7541	-1333.21	160.7744	-6.50003	-10.2737	111.0155	1880.952
7541_7541	7541	7541	1331.852	-156.483	9.552375	1.189125	-111.242	-1885.43
7541_7542	7541	7542	-1331.85	156.4826	-9.55238	-1.18913	77.8428	1338.326
7542_7542	7542	7542	1335.337	-123.444	6.79455	0.275625	-78.6224	-1338.28
7542_7543	7542	7543	-1335.34	123.4438	-6.79455	-0.27563	4.465125	-9.072
7543_7543	7543	7543	1332.444	-82.1756	1.400175	-1.49783	-7.53165	7.879725
7543_7544	7543	7544	-1332.44	82.17563	-1.40018	1.497825	-2.5704	-600.436
7544_7544	7544	7544	1334.009	-50.7481	-2.2995	0.12915	3.129525	600.4341
7544_7545	7544	7545	-1334.01	50.74808	2.2995	-0.12915	13.4442	-966.231

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7545_7545	7545	7545	1327.196	-5.39123	-0.11025	-0.81743	-14.8664	964.5001
7545_7546	7545	7546	-1327.2	5.391225	0.11025	0.817425	16.4619	-1042.2
7546_7546	7546	7546	1319.48	40.24283	5.432175	-1.06943	-17.0746	1040.884
7546_7547	7546	7547	-1319.48	-40.2428	-5.43218	1.069425	-31.0448	-684.424
7547_7547	7547	7547	1318.354	67.96913	1.26	0.39375	31.98825	684.3816
7547_7548	7547	7548	-1318.35	-67.9691	-1.26	-0.39375	-38.9876	-306.867
7548_7548	7548	7548	1302.86	-208.634	-0.73868	1.4049	39.5388	304.2995
7548_7549	7548	7549	-1302.86	208.634	0.738675	-1.4049	-37.3086	-934.956
7549_7549	7549	7549	1309.26	212.551	-2.3058	-2.016	37.55273	938.1944
7549_7550	7549	7550	-1309.26	-212.551	2.3058	2.016	-30.681	-304.929
7550_7550	7550	7550	1321.835	-73.8045	3.309075	-0.70403	29.95965	303.0111
7550_7551	7550	7551	-1321.83	73.8045	-3.30908	0.704025	-48.677	-720.545
7551_7551	7551	7551	1323.205	-42.8117	0.137025	-0.14175	47.87843	720.5987
7551_7552	7551	7552	-1323.2	42.81165	-0.13703	0.14175	-49.0345	-1081.32
7552_7552	7552	7552	1323.995	11.22188	-0.31185	-0.37485	47.76975	1081.006
7552_7553	7552	7553	-1324	-11.2219	0.31185	0.37485	-43.3692	-923.022
7553_7553	7553	7553	1323.032	63.57803	0.6993	0.540225	42.61163	922.9689
7553_7554	7553	7554	-1323.03	-63.578	-0.6993	-0.54023	-47.5335	-475.091
7554_7554	7554	7554	1321.003	96.99165	-1.11038	0.0063	47.30985	475.1145
7554_7555	7554	7555	-1321	-96.9917	1.110375	-0.0063	-39.4884	207.6055
7555_7555	7555	7555	1321.49	146.0734	-6.33308	1.6065	41.33115	-206.427
7555_7556	7555	7556	-1321.49	-146.073	6.333075	-1.6065	26.1324	1762.381
7556_7556	7556	7556	1316.884	182.9756	-6.90165	1.548225	-25.8694	-1762.39
7556_7557	7556	7557	-1316.88	-182.976	6.90165	-1.54823	49.53375	2389.725
7557_7557	7557	7557	1362.284	66.5973	-106.809	-8.7759	-43.7582	-2389.11
7557_7288	7557	7288	-1362.28	-66.5973	106.8086	8.7759	489.8549	2720.605
47000_7000	47000	7000	1.574213	199.6922	16.85119	4.54545	0	-3.89156
47000_7001	47000	7001	-1.57421	-188.869	-16.8512	-4.54545	-177.041	2045.083
47001_7001	47001	7001	1.574213	188.869	16.85119	4.556213	177.0405	-2045.08
47001_7002	47001	7002	-1.57421	-179.191	-16.8512	-4.55621	-335.375	3774.272
47002_7002	47002	7002	1.475775	145.8345	-15.346	8.391863	335.3747	-3774.27
47002_7003	47002	7003	-1.47578	-133.364	15.34601	-8.39186	-149.577	5464.477
47003_7003	47003	7003	1.461338	133.3637	-15.346	3.322725	149.5775	-5464.48
47003_7004	47003	7004	-1.46134	-120.883	15.34601	-3.32273	36.36806	7004.729
47004_7004	47004	7004	1.503338	95.58859	1.440338	10.53176	-36.3681	-7004.73
47004_7005	47004	7005	-1.50334	-83.1206	-1.44034	-10.5318	18.92756	8086.362
47005_7005	47005	7005	1.50465	83.12063	1.438763	-3.58208	-18.9276	-8086.37
47005_7006	47005	7006	-1.50465	-70.6451	-1.43876	3.582075	1.506488	9017.58
47006_7006	47006	7006	1.504913	45.99735	0.998288	9.941925	-1.50649	-9017.65
47006_7007	47006	7007	-1.50491	-33.5218	-0.99829	-9.94193	-10.5746	9499.184
47007_7007	47007	7007	1.506488	33.52178	0.995138	-6.61474	10.57455	-9499.19
47007_7008	47007	7008	-1.50649	-21.0412	-0.99514	6.614738	-22.6299	9829.792
47008_7008	47008	7008	1.503338	-3.60623	-0.31763	8.290538	22.62986	-9829.85
47008_7009	47008	7009	-1.50334	16.07708	0.317625	-8.29054	-18.7732	9710.7
47009_7009	47009	7009	1.502025	-16.0771	-0.32078	-8.62365	18.77321	-9710.7
47009_7010	47009	7010	-1.50203	28.5558	0.320775	8.62365	-14.883	9440.348
47010_7010	47010	7010	1.509375	-52.49	1.0878	5.2815	14.88296	-9440.4
47010_7011	47010	7011	-1.50938	64.96718	-1.0878	-5.2815	-28.05	8729.019
47011_7011	47011	7011	1.512263	-64.9672	1.08465	-9.02055	28.04996	-8729.02
47011_7012	47011	7012	-1.51226	77.43986	-1.08465	9.02055	-41.1865	7866.685
47012_7012	47012	7012	1.502025	-102.103	-1.57999	2.639175	41.18651	-7866.74
47012_7013	47012	7013	-1.50203	114.5757	1.579988	-2.63918	-22.0537	6554.79
47013_7013	47013	7013	1.50045	-114.576	-1.58314	-8.75543	22.05368	-6554.79
47013_7014	47013	7014	-1.50045	127.0576	1.583138	8.755425	-2.87831	5090.836
47014_7014	47014	7014	1.512788	-146.606	2.319188	-2.85705	2.878313	-5090.86
47014_7015	47014	7015	-1.51279	162.9248	-2.31919	2.85705	-39.617	2639.063
47015_7015	47015	7015	2.941575	-162.906	2.316038	-7.67445	39.5514	-2638.22
47015_7016	47015	7016	-3.01429	171.4107	-2.31604	7.67445	-58.6845	1257.909
47016_7016	47016	7016	5.968725	-208.843	-1.00328	-5.15498	51.28305	-248.219

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47016_7017	47016	7017	-6.2727	220.7412	1.003275	5.154975	-39.4881	-2413.03
47017_7017	47017	7017	11.67364	-220.521	-1.00511	-1.974	39.55613	2412.964
47017_7018	47017	7018	-12.3459	233.9371	1.005113	1.974	-26.2311	-5449.1
47018_7018	47018	7018	20.44508	-263.349	0.273263	-13.2208	25.37614	5448.998
47018_7019	47018	7019	-21.398	276.0085	-0.27326	13.22081	-28.7986	-8844.79
47019_7019	47019	7019	28.62248	-275.352	0.271425	6.5982	30.53505	8844.789
47019_7020	47019	7020	-29.9121	288.0103	-0.27143	-6.5982	-33.9455	-12454.4
47020_7020	47020	7020	-1018.16	100.6942	-8.36955	-4.25329	190.8622	2945.446
47020_7021	47020	7021	1018.16	-91.0728	8.36955	4.253288	-111.363	-1976.87
47021_7021	47021	7021	-1018.16	91.0728	-7.76659	-1.20566	111.363	1730.885
47021_7022	47021	7022	1018.164	-83.2275	7.766588	1.205663	-51.1949	-1055.66
47022_7022	47022	7022	-1018.17	83.22746	-6.46118	0.147788	51.19485	1055.663
47022_7023	47022	7023	1018.172	-75.3824	6.461175	-0.14779	-1.15421	-441.317
47023_7023	47023	7023	-1018.19	48.84758	-3.3264	-1.80679	1.154213	441.2355
47023_7024	47023	7024	1018.188	-40.7379	3.3264	1.806788	25.47484	-82.5623
47024_7024	47024	7024	-1018.19	40.7379	-2.19791	-1.71623	-25.4748	82.56386
47024_7025	47024	7025	1018.192	-32.6406	2.197913	1.716225	43.05131	210.8172
47025_7025	47025	7025	-1018.19	32.64056	-2.19791	-1.71623	-43.0513	-210.817
47025_7026	47025	7026	1018.192	-24.5422	2.197913	1.716225	60.62779	439.4434
47026_7026	47026	7026	-1018.19	-2.47091	-1.96298	-0.93713	-60.6278	-439.507
47026_7027	47026	7027	1018.194	8.551725	1.962975	0.937125	72.4164	406.4141
47027_7027	47027	7027	-1018.19	-8.55173	-2.14436	-0.86389	-72.4164	-406.414
47027_7028	47027	7028	1018.194	14.62335	2.144363	0.863888	85.27234	336.9566
47028_7028	47028	7028	-1018.2	-14.6234	-0.27773	-1.48208	-85.2723	-336.954
47028_7029	47028	7029	1018.197	20.70285	0.277725	1.482075	86.93344	230.9241
47029_7029	47029	7029	-1018.2	-20.7029	-0.27773	-1.48208	-86.9334	-230.924
47029_7030	47029	7030	1018.197	26.78235	0.277725	1.482075	88.59716	88.39845
47030_7030	47030	7030	-1018.2	-53.3649	0.436013	-1.2516	-88.5972	-88.4111
47030_7031	47030	7031	1018.199	61.46175	-0.43601	1.2516	85.10906	-370.501
47031_7031	47031	7031	-1018.2	-61.4618	0.567788	-1.20173	-85.1091	370.5014
47031_7032	47031	7032	1018.199	69.56539	-0.56779	1.201725	80.55784	-894.81
47032_7032	47032	7032	-1018.2	-69.5654	1.83435	-0.09083	-80.5578	894.8113
47032_7033	47032	7033	1018.197	77.67008	-1.83435	0.090825	65.88251	-1483.91
47033_7033	47033	7033	-1018.2	-104.719	3.008775	-0.9534	-65.8825	1483.939
47033_7034	47033	7034	1018.197	112.5645	-3.00878	0.9534	42.56595	-2325.84
47034_7034	47034	7034	-1018.2	-112.564	1.701788	-3.9396	-42.566	2325.838
47034_7035	47034	7035	1018.198	120.4143	-1.70179	3.9396	29.37926	-3228.68
47035_7035	47035	7035	-1018.19	-120.414	3.652163	3.174938	-29.3793	3487.57
47035_7036	47035	7036	1018.194	130.0341	-3.65216	-3.17494	-5.30722	-4723.67
47036_7036	47036	7036	30.87	251.3511	1.176263	-5.16023	-26.5385	14437.89
47036_7037	47036	7037	-29.5801	-238.693	-1.17626	5.160225	11.75003	-11440.5
47037_7037	47037	7037	23.31683	239.385	1.17285	4.05405	-12.5528	11440.47
47037_7038	47037	7038	-22.3624	-226.727	-1.17285	-4.05405	-2.14699	-8460.64
47038_7038	47038	7038	15.10294	197.1176	-1.94618	-7.33163	2.816625	8460.875
47038_7039	47038	7039	-14.4302	-183.696	1.946175	7.331625	23.00235	-5941.59
47039_7039	47039	7039	-4.74679	285.8712	-0.74576	30.49961	-25.9922	20651.46
47039_7040	47039	7040	5.047613	-274.134	0.745763	-30.4996	34.76813	-17596
47040_7040	47040	7040	-9.96083	234.4637	2.707425	-17.8629	-33.8197	17596.8
47040_7041	47040	7041	10.03328	-226.229	-2.70743	17.86286	11.49514	-15899.3
47041_7041	47041	7041	-12.0186	226.1325	2.729738	9.54975	-11.6519	15895.6
47041_7042	47041	7042	12.01856	-210.727	-2.72974	-9.54975	-30.4581	-11486.1
47042_7042	47042	7042	-12.0306	182.9268	-2.35069	-6.66461	30.45814	11486.24
47042_7043	47042	7043	12.03064	-171.043	2.350688	6.664613	-2.48666	-9380.1
47043_7043	47043	7043	-12.0333	171.0434	-2.33048	9.034463	2.486663	9380.102
47043_7044	47043	7044	12.03326	-159.165	2.330475	-9.03446	25.24148	-7415.66
47044_7044	47044	7044	-12.0236	135.734	0.6237	-0.93293	-25.2415	7415.689
47044_7045	47044	7045	12.02355	-123.841	-0.6237	0.932925	17.82743	-5870.27
47045_7045	47045	7045	-12.022	123.8415	0.6321	3.543225	-17.8274	5870.267
47045_7046	47045	7046	12.02198	-111.964	-0.6321	-3.54323	10.31021	-4467.64

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47046_7046	47046	7046	-12.0233	87.98738	0.029138	-1.63091	-10.3102	4467.636
47046_7047	47046	7047	12.02329	-76.1009	-0.02914	1.630913	9.961088	-3490.93
47047_7047	47047	7047	-12.0246	76.10085	0.049613	4.211025	-9.96109	3490.93
47047_7048	47047	7048	12.0246	-64.2143	-0.04961	-4.21103	9.371513	-2655.85
47048_7048	47048	7048	-12.0278	40.06564	-0.74813	0.254625	-9.37151	2655.845
47048_7049	47048	7049	12.02775	-28.1807	0.748125	-0.25463	18.25976	-2249.71
47049_7049	47049	7049	-12.0278	28.18069	-0.7371	2.138063	-18.2598	2249.711
47049_7050	47049	7050	12.02775	-16.2957	0.7371	-2.13806	27.02674	-1985.04
47050_7050	47050	7050	-12.0217	-5.63798	1.388363	-0.68198	-27.0267	1985.028
47050_7051	47050	7051	12.02171	21.03675	-1.38836	0.681975	5.611725	-2519.31
47051_7051	47051	7051	-11.8411	-21.1376	1.408838	3.173888	-5.58521	2520.676
47051_7052	47051	7052	11.77339	29.37191	-1.40884	-3.17389	-6.0333	-2544.16
47052_7052	47052	7052	-10.4829	-62.6099	0.100538	-3.14239	5.930138	2544.064
47052_7053	47052	7053	10.19629	74.35024	-0.10054	3.142388	-7.11506	-3301.63
47053_7053	47053	7053	-10.7557	-68.0628	-0.15514	3.950888	-4.8069	2705.904
47053_7054	47053	7054	10.11439	80.96051	0.155138	-3.95089	6.859388	-3687.92
47054_7054	47054	7054	-6.03067	-108.644	-0.17929	-3.06705	-7.29829	3687.907
47054_7055	47054	7055	5.120325	120.8075	0.179288	3.06705	9.53505	-5103.87
47055_7055	47055	7055	-1.97663	-120.902	-0.1575	5.2059	-8.80058	5103.871
47055_7056	47055	7056	0.748125	133.0639	0.1575	-5.2059	10.76093	-6714.59
47056_7056	47056	7056	-589.831	139.0505	-1.77476	-0.89539	-27.741	3259.939
47056_7057	47056	7057	589.8312	-129.797	1.774763	0.895388	44.62001	-1949.75
47057_7057	47057	7057	-589.833	129.7973	-1.09751	1.404375	-44.62	1918.041
47057_7058	47057	7058	589.8328	-122.253	1.097513	-1.40438	53.12685	-941.222
47058_7058	47058	7058	-589.835	122.2531	-0.33941	2.615288	-53.1269	941.219
47058_7059	47058	7059	589.8346	-114.709	0.339413	-2.61529	55.75211	-22.9619
47059_7059	47059	7059	-589.825	88.41683	-0.40005	2.282175	-55.7521	23.01653
47059_7060	47059	7060	589.8252	-80.6366	0.40005	-2.28218	58.94096	652.4422
47060_7060	47060	7060	-589.824	80.63659	0.389813	1.410413	-58.941	-652.445
47060_7061	47060	7061	589.8239	-72.8498	-0.38981	-1.41041	55.8201	1266.422
47061_7061	47061	7061	-589.823	72.84979	1.1256	-0.16958	-55.8201	-1266.42
47061_7062	47061	7062	589.8225	-65.063	-1.1256	0.169575	46.81845	1818.055
47062_7062	47062	7062	-589.82	39.63409	0.803775	3.776588	-46.8185	-1818.15
47062_7063	47062	7063	589.8197	-33.7906	-0.80378	-3.77659	41.99134	2038.602
47063_7063	47063	7063	-589.818	33.79058	1.784475	0.388763	-41.9913	-2038.61
47063_7064	47063	7064	589.8183	-27.9473	-1.78448	-0.38876	31.28055	2223.943
47064_7064	47064	7064	-589.818	27.94733	1.718325	0.643125	-31.2806	-2223.94
47064_7065	47064	7065	589.8183	-22.112	-1.71833	-0.64313	20.99003	2373.971
47065_7065	47065	7065	-589.818	22.11195	1.784475	0.373013	-20.99	-2373.97
47065_7066	47065	7066	589.8183	-16.2687	-1.78448	-0.37301	10.27924	2489.192
47066_7066	47066	7066	-589.818	-9.66131	2.387175	1.483125	-10.2792	-2489.16
47066_7067	47066	7067	589.8178	17.44654	-2.38718	-1.48313	-8.80793	2380.751
47067_7067	47067	7067	-589.818	-17.4465	2.387175	1.483125	8.807925	-2380.75
47067_7068	47067	7068	589.8178	25.2315	-2.38718	-1.48313	-27.8951	2210.086
47068_7068	47068	7068	-589.818	-25.2315	2.436	1.299375	27.89509	-2210.09
47068_7069	47068	7069	589.8178	33.02618	-2.436	-1.29938	-47.397	1976.838
47069_7069	47069	7069	-589.802	-58.0931	3.897075	2.696925	47.397	-1976.79
47069_7070	47069	7070	589.8018	65.63261	-3.89708	-2.69693	-77.5892	1497.589
47070_7070	47070	7070	-589.797	-65.6326	4.658063	0.765975	77.58923	-1497.59
47070_7071	47070	7071	589.7973	73.17214	-4.65806	-0.76598	-113.663	960.0381
47071_7071	47071	7071	-589.794	-73.1721	4.714238	1.029263	113.6633	-915.541
47071_7072	47071	7072	589.7945	82.41739	-4.71424	-1.02926	-158.451	178.34
47072_7072	47072	7072	20.60678	195.8116	0.621338	2.05905	58.47004	2851.423
47072_7073	47072	7073	-19.3736	-183.641	-0.62134	-2.05905	-66.2894	-443.15
47073_7073	47073	7073	14.59159	184.0818	0.622388	0.6825	66.29385	443.1551
47073_7074	47073	7074	-13.6781	-171.913	-0.62239	-0.6825	-74.0877	1810.958
47074_7074	47074	7074	7.731675	139.4999	-1.54849	2.547563	73.89401	-1810.99
47074_7075	47074	7075	-7.08593	-126.61	1.548488	-2.54756	-53.3579	3664.106
47075_7075	47075	7075	5.831175	231.3182	-1.8228	18.05396	57.77651	12590.12

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47075_7076	47075	7076	-5.55844	-220.179	1.8228	-18.054	-36.3455	-9857.25
47076_7076	47076	7076	1.751925	182.3543	1.6779	-4.60215	36.81878	9857.608
47076_7077	47076	7077	-1.68446	-174.528	-1.6779	4.60215	-50.6657	-8097.69
47077_7077	47077	7077	0.213413	174.5378	1.677375	4.9728	50.62575	8097.614
47077_7078	47077	7078	-0.21341	-161.28	-1.67738	-4.9728	-74.0801	-5749.95
47078_7078	47078	7078	0.206588	140.3737	-1.31093	-0.82294	74.08013	5749.959
47078_7079	47078	7079	-0.20659	-129.758	1.310925	0.822938	-59.3998	-4237.68
47079_7079	47079	7079	0.205013	129.7582	-1.31276	2.75415	59.39981	4237.679
47079_7080	47079	7080	-0.20501	-119.152	1.312763	-2.75415	-44.7326	-2845.52
47080_7080	47080	7080	0.206325	97.9503	-0.6069	-0.36041	44.73263	2845.54
47080_7081	47080	7081	-0.20633	-87.3458	0.6069	0.360412	-37.942	-1809.27
47081_7081	47081	7081	0.206325	87.34583	-0.60795	1.339538	37.94201	1809.266
47081_7082	47081	7082	-0.20633	-76.7319	0.60795	-1.33954	-31.1422	-890.884
47082_7082	47082	7082	0.206588	54.08918	-0.13178	0.013913	31.14221	890.9035
47082_7083	47082	7083	-0.20659	-42.6891	0.131775	-0.01391	-29.558	-309.024
47083_7083	47083	7083	0.2079	42.68906	-0.1323	0.270637	29.55803	309.0237
47083_7084	47083	7084	-0.2079	-31.2876	0.1323	-0.27064	-27.9712	135.7372
47084_7084	47084	7084	0.205275	8.84625	-0.36199	-0.30345	27.97121	-135.735
47084_7085	47084	7085	-0.20528	1.7661	0.361988	0.30345	-23.9313	175.3629
47085_7085	47085	7085	0.2037	-1.7661	-0.3612	-0.45491	23.93134	-175.364
47085_7086	47085	7086	-0.2037	12.36743	0.3612	0.454913	-19.8944	96.3417
47086_7086	47086	7086	0.2037	-33.9171	-1.15763	-0.98175	19.89435	-96.3651
47086_7087	47086	7087	-0.2037	44.52788	1.157625	0.98175	-6.93053	-342.596
47087_7087	47087	7087	0.200813	-44.5279	-1.1592	-0.37039	6.930525	342.5974
47087_7088	47087	7088	-0.20081	55.13865	1.1592	0.370388	6.035925	-900.268
47088_7088	47088	7088	0.206325	-73.8759	0.599288	-2.51816	-6.03593	900.2771
47088_7089	47088	7089	-0.20633	86.63025	-0.59929	2.518163	-2.02493	-2138.27
47089_7089	47089	7089	0.955238	-86.625	0.598763	1.0899	2.03385	2138.316
47089_7090	47089	7090	-1.02139	94.44488	-0.59876	-1.0899	-6.9741	-2944.72
47090_7090	47090	7090	3.36105	-125.546	-0.41501	-4.81058	6.843638	2944.609
47090_7091	47090	7091	-3.63983	136.6872	0.415013	4.810575	-1.97347	-4352.91
47091_7091	47091	7091	4.198163	-130.993	-0.72949	2.189775	-5.62774	3884.318
47091_7092	47091	7092	-4.8111	143.2421	0.729488	-2.18978	15.29903	-5739.83
47092_7092	47092	7092	10.458	-170.653	-0.45623	-6.9195	-15.9542	5739.688
47092_7093	47092	7093	-11.3274	182.2104	0.456225	6.9195	21.67856	-7995.42
47093_7093	47093	7093	16.07104	-181.854	-0.45439	6.116775	-20.586	7995.425
47093_7094	47093	7094	-17.2444	193.4084	0.454387	-6.11678	26.2752	-10195.8
47094_7094	47094	7094	-778.16	117.8494	-2.26879	-2.9778	5.820938	3737.812
47094_7095	47094	7095	778.1597	-109.061	2.268788	2.9778	15.73609	-2659.28
47095_7095	47095	7095	-778.161	109.0609	-1.56424	-0.50768	-15.7361	2628.113
47095_7096	47095	7096	778.1608	-101.902	1.564238	0.507675	27.84836	-1811.18
47096_7096	47096	7096	-778.164	101.9022	-0.52631	1.9068	-27.8484	1811.181
47096_7097	47096	7097	778.1637	-94.7315	0.526313	-1.9068	31.92683	-1048.79
47097_7097	47097	7097	-778.164	70.06204	-0.69011	-0.81401	-31.9268	1048.788
47097_7098	47097	7098	778.1645	-62.6706	0.690113	0.814013	37.4409	-518.226
47098_7098	47098	7098	-778.163	62.67056	0.315788	-0.1449	-37.4409	518.2265
47098_7099	47098	7099	778.1631	-55.2696	-0.31579	0.1449	34.92195	-46.2207
47099_7099	47099	7099	-778.162	55.26964	1.286513	-0.08584	-34.922	46.22074
47099_7100	47099	7100	778.1616	-47.8703	-1.28651	0.085837	24.62486	366.5374
47100_7100	47100	7100	-778.168	23.6355	0.39375	-0.22155	-24.6249	-366.48
47100_7101	47100	7101	778.1679	-18.0947	-0.39375	0.22155	22.27234	491.5239
47101_7101	47101	7101	-778.165	18.09465	1.7283	-1.06733	-22.2723	-491.525
47101_7102	47101	7102	778.165	-12.5446	-1.7283	1.067325	11.88941	583.4842
47102_7102	47102	7102	-778.168	12.54461	-0.86179	0.87675	-11.8894	-583.486
47102_7103	47102	7103	778.1679	-6.99563	0.861788	-0.87675	17.06276	642.1377
47103_7103	47103	7103	-778.168	6.995625	0.39375	-0.15724	-17.0628	-642.139
47103_7104	47103	7104	778.1679	-1.45346	-0.39375	0.157238	14.71024	667.4567
47104_7104	47104	7104	-778.166	-22.9107	-0.08662	0.44205	-14.7102	-667.512
47104_7105	47104	7105	778.1663	30.31166	0.086625	-0.44205	15.4056	454.5177

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47105_7105	47105	7105	-778.165	-30.3117	0.8841	-0.12548	-15.4056	-454.518
47105_7106	47105	7106	778.165	37.71101	-0.8841	0.125475	8.321513	182.3063
47106_7106	47106	7106	-778.165	-37.711	0.855225	-0.1197	-8.32151	-182.306
47106_7107	47106	7107	778.165	45.10091	-0.85523	0.1197	1.481813	-148.675
47107_7107	47107	7107	-778.163	-69.4268	1.78395	-0.06825	-1.48181	148.6918
47107_7108	47107	7108	778.1634	76.59619	-1.78395	0.06825	-12.3488	-714.75
47108_7108	47108	7108	-778.163	-76.5962	1.78395	-0.06825	12.34879	714.7505
47108_7109	47108	7109	778.1634	83.7627	-1.78395	0.06825	-26.1778	-1336.38
47109_7109	47109	7109	-778.16	-83.7627	2.552813	1.38705	26.17781	1377.879
47109_7110	47109	7110	778.1597	92.53991	-2.55281	-1.38705	-50.4213	-2236.89
47110_7110	47110	7110	23.59324	221.2114	0.326288	-4.1727	14.70026	8521.491
47110_7111	47110	7111	-22.4154	-209.65	-0.32629	4.1727	-18.7976	-5786.7
47111_7111	47111	7111	16.94385	210.1656	0.325238	4.472475	17.99411	5786.701
47111_7112	47111	7112	-16.0729	-198.605	-0.32524	-4.47248	-22.0626	-3198.24
47112_7112	47112	7112	9.5781	168.6712	-0.47854	-1.61464	22.44506	3198.34
47112_7113	47112	7113	-8.96359	-156.426	0.478538	1.614638	-16.096	-1041.56
47113_7113	47113	7113	11.35365	262.1708	-0.53471	16.37633	3.203813	17384.37
47113_7114	47113	7114	-11.0812	-251.324	0.534713	-16.3763	3.09015	-14275.3
47114_7114	47114	7114	6.653063	215.8931	0.85575	-3.66424	-2.64705	14275.82
47114_7115	47114	7115	-6.58691	-208.276	-0.85575	3.664238	-4.41866	-13442
47115_7115	47115	7115	4.784588	208.3263	0.85365	3.150788	4.384275	13441.75
47115_7116	47115	7116	-4.78459	-195.43	-0.85365	-3.15079	-16.3094	-9288.9
47116_7116	47116	7116	4.78485	173.055	-0.59929	-2.49401	16.30939	9288.902
47116_7117	47116	7117	-4.78485	-162.726	0.599288	2.494013	-9.60068	-7409.87
47117_7117	47117	7117	4.78485	162.7261	-0.6027	4.008113	9.600675	7409.872
47117_7118	47117	7118	-4.78485	-152.405	0.6027	-4.00811	-2.85311	-5648
47118_7118	47118	7118	4.783538	132.0147	-0.06746	0.70035	2.853113	5647.957
47118_7119	47118	7119	-4.78354	-121.686	0.067463	-0.70035	-2.08845	-4228.32
47119_7119	47119	7119	4.783538	121.6858	-0.06746	0.70035	2.08845	4228.315
47119_7120	47119	7120	-4.78354	-111.358	0.067463	-0.70035	-1.3251	-2924.27
47120_7120	47120	7120	4.78485	89.22323	-0.06431	-1.12114	1.3251	2924.32
47120_7121	47120	7121	-4.78485	-78.1289	0.064313	1.121138	-0.56254	-1918.43
47121_7121	47121	7121	4.783538	78.12893	-0.07193	2.070338	0.562538	1918.427
47121_7122	47121	7122	-4.78354	-67.0346	0.071925	-2.07034	0.293475	-1045.93
47122_7122	47122	7122	4.783538	44.77673	-0.07455	0.074288	-0.29348	1045.928
47122_7123	47122	7123	-4.78354	-34.4479	0.07455	-0.07429	1.124813	-602.633
47123_7123	47123	7123	4.78485	34.44788	-0.07954	0.613988	-1.12481	602.6333
47123_7124	47123	7124	-4.78485	-24.1203	0.079538	-0.61399	2.002088	-274.924
47124_7124	47124	7124	4.78485	2.230987	-0.14989	0.014437	-2.00209	274.9249
47124_7125	47124	7125	-4.78485	8.096288	0.149888	-0.01444	3.67605	-307.738
47125_7125	47125	7125	4.78485	-8.09629	-0.15803	0.563063	-3.67605	307.7387
47125_7126	47125	7126	-4.78485	18.42514	0.158025	-0.56306	5.4453	-456.126
47126_7126	47126	7126	4.784063	-37.7806	0.2646	-0.41239	-5.4453	456.1665
47126_7127	47126	7127	-4.78406	50.2593	-0.2646	0.412388	1.8732	-1051.33
47127_7127	47127	7127	5.2122	-50.2155	0.2583	0.940275	-1.86506	1052.582
47127_7128	47127	7128	-5.27678	57.83059	-0.2583	-0.94028	-0.2625	-1498.31
47128_7128	47128	7128	7.00245	-89.8346	-0.15829	-1.38206	0.218662	1498.213
47128_7129	47128	7129	-7.27151	100.6787	0.158288	1.382063	1.650075	-2801.09
47129_7129	47129	7129	4.564875	-93.2054	1.009575	2.156438	9.305362	2105.179
47129_7130	47129	7130	-5.19934	105.8523	-1.00958	-2.15644	-22.696	-3419.39
47130_7130	47130	7130	10.09733	-135.511	-1.12061	-0.12915	22.61175	3419.305
47130_7131	47130	7131	-10.9967	147.4418	1.120613	0.12915	-8.57325	-5213.09
47131_7131	47131	7131	15.88729	-146.994	-1.1193	3.045788	8.941013	5213.083
47131_7132	47131	7132	-17.1	158.1421	1.1193	-3.04579	4.2168	-7059.38
47132_7132	47132	7132	-631.302	117.9686	5.106413	2.07585	-72.6332	3027.99
47132_7133	47132	7133	631.3017	-108.119	-5.10641	-2.07585	19.92165	-1773.19
47133_7133	47133	7133	-631.309	108.1185	4.293975	-1.13978	-19.9217	1637.065
47133_7134	47133	7134	631.3086	-100.721	-4.29398	1.139775	-13.3542	-827.81
47134_7134	47134	7134	-631.317	100.7207	2.667	-3.27023	13.35416	827.805

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47134_7135	47134	7135	631.3175	-93.3151	-2.667	3.270225	-34.0526	-74.939
47135_7135	47135	7135	-631.311	68.9346	-0.99934	0.442313	34.05255	75.00465
47135_7136	47135	7136	631.3107	-61.3085	0.999338	-0.44231	-26.0657	445.3284
47136_7136	47136	7136	-631.312	61.30845	-0.20685	-0.11813	26.06573	-445.327
47136_7137	47136	7137	631.3117	-53.6726	0.20685	0.118125	-24.4206	905.2599
47137_7137	47137	7137	-631.312	53.67259	-0.20685	-0.11813	24.42064	-905.26
47137_7138	47137	7138	631.3117	-46.037	0.20685	0.118125	-22.7753	1304.105
47138_7138	47138	7138	-631.308	22.80705	-1.18729	1.93515	22.77529	-1304.15
47138_7139	47138	7139	631.308	-17.079	1.187288	-1.93515	-15.6442	1423.808
47139_7139	47139	7139	-631.31	17.07904	-0.1365	-0.4368	15.64421	-1423.81
47139_7140	47139	7140	631.3096	-11.3523	0.1365	0.4368	-14.8247	1509.105
47140_7140	47140	7140	-631.31	11.35234	-0.1365	-0.4368	14.82469	-1509.1
47140_7141	47140	7141	631.3096	-5.62538	0.1365	0.4368	-14.0078	1560.04
47141_7141	47141	7141	-631.31	5.625375	-0.1365	-0.4368	14.00779	-1560.04
47141_7142	47141	7142	631.3096	0.102638	0.1365	0.4368	-13.1896	1576.612
47142_7142	47142	7142	-631.311	-24.5732	-0.72896	1.395975	13.18958	-1576.67
47142_7143	47142	7143	631.3115	32.20875	0.728963	-1.39598	-7.35341	1349.529
47143_7143	47143	7143	-631.312	-32.2088	0.058538	-0.28928	7.353413	-1349.53
47143_7144	47143	7144	631.3117	39.84566	-0.05854	0.289275	-7.83143	1061.309
47144_7144	47144	7144	-631.312	-39.8457	0.058538	-0.28928	7.831425	-1061.31
47144_7145	47144	7145	631.3117	47.47995	-0.05854	0.289275	-8.30813	712.0026
47145_7145	47145	7145	-631.319	-72.0523	0.568313	0.31605	8.308125	-712.058
47145_7146	47145	7146	631.3185	79.45009	-0.56831	-0.31605	-12.7097	124.9784
47146_7146	47146	7146	-631.32	-79.4501	-0.24675	0.479325	12.70973	-124.977
47146_7147	47146	7147	631.3196	86.84786	0.24675	-0.47933	-10.7985	-519.434
47147_7147	47147	7147	-631.319	-86.8479	0.504	1.18965	10.79846	638.4669
47147_7148	47147	7148	631.3185	95.91514	-0.504	-1.18965	-15.5836	-1506.59
47148_7148	47148	7148	25.71135	190.6934	0.46305	-1.1697	-5.17414	5246.66
47148_7149	47148	7149	-24.5033	-178.763	-0.46305	1.1697	-0.64575	-2925.72
47149_7149	47149	7149	19.82689	179.3418	0.458325	1.147125	0.439687	2925.718
47149_7150	47149	7150	-18.9323	-167.41	-0.45832	-1.14713	-6.18109	-752.42
47150_7150	47150	7150	13.11135	135.0108	-1.04029	-0.69169	6.291075	752.34
47150_7151	47150	7151	-12.48	-122.365	1.040288	0.691688	7.52325	954.9277
47151_7151	47151	7151	23.24805	243.2448	0.793013	7.285425	6.98985	14543.23
47151_7152	47151	7152	-22.963	-231.549	-0.79301	-7.28543	-16.3049	-11752.9
47152_7152	47152	7152	18.92205	191.5667	-1.2453	6.698475	16.42148	11752.83
47152_7153	47152	7153	-18.8543	-183.355	1.2453	-6.69848	-6.1425	-10206.2
47153_7153	47153	7153	17.31398	183.5069	-1.22929	-3.10695	6.199463	10208.2
47153_7154	47153	7154	-17.314	-169.82	1.229288	3.10695	10.69898	-7779.03
47154_7154	47154	7154	17.30531	144.9654	0.534188	0.3822	-10.699	7779.039
47154_7155	47154	7155	-17.3053	-134.016	-0.53419	-0.3822	4.837875	-6244.62
47155_7155	47155	7155	17.30531	134.016	0.534188	0.3822	-4.83788	6244.62
47155_7156	47155	7156	-17.3053	-123.068	-0.53419	-0.3822	-1.02296	-4830.65
47156_7156	47156	7156	17.30951	102.8685	-0.35385	2.1168	1.022963	4830.644
47156_7157	47156	7157	-17.3095	-92.9145	0.35385	-2.1168	2.51265	-3851.71
47157_7157	47157	7157	17.30951	92.9145	-0.33495	-1.73276	-2.51265	3851.715
47157_7158	47157	7158	-17.3095	-82.9618	0.33495	1.732763	5.872388	-2972.33
47158_7158	47158	7158	17.30558	63.64208	0.056175	1.120613	-5.87239	2972.287
47158_7159	47158	7159	-17.3056	-53.6786	-0.05618	-1.12061	5.313	-2385.08
47159_7159	47159	7159	17.30558	53.67863	0.073763	-1.27628	-5.313	2385.081
47159_7160	47159	7160	-17.3056	-43.7259	-0.07376	1.276275	4.577475	-1898.05
47160_7160	47160	7160	17.30584	21.90458	0.102638	0.569363	-4.57748	1898.049
47160_7161	47160	7161	-17.3058	-10.9552	-0.10264	-0.56936	3.445838	-1717.32
47161_7161	47161	7161	17.30584	10.95518	0.11865	-0.99041	-3.44584	1717.318
47161_7162	47161	7162	-17.3058	-0.00446	-0.11865	0.990413	2.145413	-1657.03
47162_7162	47162	7162	17.30794	-21.1958	-0.37905	-0.96548	-2.14541	1657.033
47162_7163	47162	7163	-17.3079	34.88126	0.37905	0.965475	7.355775	-2042.57
47163_7163	47163	7163	17.59616	-34.739	-0.39506	1.053675	-7.34606	2041.553
47163_7164	47163	7164	-17.6655	42.94973	0.395063	-1.05368	10.61051	-2362.03

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47164_7164	47164	7164	19.18088	-78.0229	1.53405	-1.46659	-10.657	2362.112
47164_7165	47164	7165	-19.4628	89.71751	-1.53405	1.466588	-7.36129	-3347.89
47165_7165	47165	7165	15.01973	-80.1111	1.24215	1.30935	4.013625	2579.958
47165_7166	47165	7166	-15.6938	93.78994	-1.24215	-1.30935	-20.4866	-3732.59
47166_7166	47166	7166	20.41515	-125.615	-0.98228	-1.03031	20.37788	3732.503
47166_7167	47166	7167	-21.3728	138.5302	0.982275	1.030313	-8.04484	-5387.98
47167_7167	47167	7167	24.97871	-137.927	-0.99251	3.048938	8.444888	5387.977
47167_7168	47167	7168	-26.2778	150.8417	0.992513	-3.04894	4.023863	-7201.88
47168_7168	47168	7168	-635.901	133.7501	1.271288	-1.82044	-34.3859	3291.137
47168_7169	47168	7169	635.901	-123.935	-1.27129	1.820438	22.31093	-2067.12
47169_7169	47169	7169	-635.899	123.9347	2.00445	0.124163	-22.3109	1926.64
47169_7170	47169	7170	635.8994	-115.927	-2.00445	-0.12416	6.771975	-997.167
47170_7170	47170	7170	-635.899	115.9274	2.00445	0.124163	-6.77197	997.1674
47170_7171	47170	7171	635.8994	-107.92	-2.00445	-0.12416	-8.76986	-129.754
47171_7171	47171	7171	-635.89	80.99411	0.013125	-0.01208	8.769863	129.6905
47171_7172	47171	7172	635.89	-72.7298	-0.01313	0.012075	-8.87933	485.215
47172_7172	47172	7172	-635.89	72.72983	-0.7812	0.594825	8.879325	-485.215
47172_7173	47172	7173	635.89	-64.4629	0.7812	-0.59483	-2.62973	1033.994
47173_7173	47173	7173	-635.89	64.46291	0.013125	-0.69825	2.629725	-1034
47173_7174	47173	7174	635.89	-56.1973	-0.01313	0.69825	-2.73919	1516.647
47174_7174	47174	7174	-635.892	30.10088	0.517913	-0.69431	2.739188	-1516.7
47174_7175	47174	7175	635.8923	-23.9017	-0.51791	0.694313	-5.83931	1678.709
47175_7175	47175	7175	-635.892	23.90168	-0.54364	2.1042	5.839313	-1678.71
47175_7176	47175	7176	635.8923	-17.7012	0.543638	-2.1042	-2.57933	1803.521
47176_7176	47176	7176	-635.892	17.70116	0.517913	-0.90221	2.579325	-1803.52
47176_7177	47176	7177	635.8923	-11.5033	-0.51791	0.902213	-5.67945	1891.135
47177_7177	47177	7177	-635.892	11.50328	0.517913	-0.90221	5.67945	-1891.14
47177_7178	47177	7178	635.8923	-5.30276	-0.51791	0.902213	-8.77984	1941.552
47178_7178	47178	7178	-635.896	-21.2297	1.276275	-0.89224	8.779838	-1941.61
47178_7179	47178	7179	635.8963	29.49529	-1.27628	0.892238	-18.9832	1738.708
47179_7179	47179	7179	-635.898	-29.4953	0.48195	1.281525	18.98321	-1738.71
47179_7180	47179	7180	635.8976	37.76089	-0.48195	-1.28153	-22.8275	1469.676
47180_7180	47180	7180	-635.896	-37.7609	1.276275	-0.55624	22.82753	-1469.68
47180_7181	47180	7181	635.8963	46.02649	-1.27628	0.556238	-33.0309	1134.519
47181_7181	47181	7181	-635.887	-72.135	-0.91586	0.652575	33.0309	-1134.58
47181_7182	47181	7182	635.8874	80.14519	0.915862	-0.65258	-25.929	544.4793
47182_7182	47182	7182	-635.887	-80.1452	-0.91586	0.652575	25.92896	-544.479
47182_7183	47182	7183	635.8874	88.15249	0.915862	-0.65258	-18.8286	-107.673
47183_7183	47183	7183	-635.887	-88.1525	-1.64903	0.235987	18.8286	220.4982
47183_7184	47183	7184	635.8871	97.96789	1.649025	-0.23599	-3.15	-1126.67
47184_7184	47184	7184	31.05349	194.7931	0.917963	0.689325	20.45741	4726.277
47184_7185	47184	7185	-29.7651	-181.878	-0.91796	-0.68933	-31.9801	-2335.72
47185_7185	47185	7185	25.02859	182.5887	0.925575	-1.95116	32.12186	2335.715
47185_7186	47185	7186	-24.076	-169.674	-0.92558	1.951163	-43.7346	-62.4386
47186_7186	47186	7186	18.17786	135.1733	-1.13846	0.724763	43.48838	62.45476
47186_7187	47186	7187	-17.5085	-121.483	1.138463	-0.72476	-28.366	1773.748
47187_7187	47187	7187	23.39269	247.6194	-2.58694	-4.61528	7.334775	15164.45
47187_7188	47187	7188	-23.0934	-235.071	2.586938	4.615275	23.06666	-12100.9
47188_7188	47188	7188	19.04726	191.6675	0.767288	5.371275	-23.2152	12100.84
47188_7189	47188	7189	-18.9748	-182.858	-0.76729	-5.37128	16.884	-9659.49
47189_7189	47189	7189	17.47436	183.0056	0.785138	-3.99289	-16.8389	9662.503
47189_7190	47189	7190	-17.4744	-168.325	-0.78514	3.992888	6.051413	-7247.06
47190_7190	47190	7190	17.4762	144.1679	0.310013	-0.01339	-6.05141	7247.07
47190_7191	47190	7191	-17.4762	-132.422	-0.31001	0.013387	2.638388	-5725.81
47191_7191	47191	7191	17.4762	132.4215	0.310013	-0.01339	-2.63839	5725.812
47191_7192	47191	7192	-17.4762	-120.674	-0.31001	0.013387	-0.77595	-4333.77
47192_7192	47192	7192	17.48355	98.30441	-1.34663	-0.24334	0.77595	4333.76
47192_7193	47192	7193	-17.4836	-87.6477	1.346625	0.243338	12.66536	-3405.84
47193_7193	47193	7193	17.48355	87.6477	-1.34663	-0.22628	-12.6654	3405.844

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47193_7194	47193	7194	-17.4836	-76.9802	1.346625	0.226275	26.12216	-2583.52
47194_7194	47194	7194	17.47673	56.59973	-0.48064	-1.56529	-26.1222	2583.529
47194_7195	47194	7195	-17.4767	-45.932	0.480638	1.565288	30.91856	-2071.38
47195_7195	47195	7195	17.47673	45.93199	-0.49875	0.50715	-30.9186	2071.38
47195_7196	47195	7196	-17.4767	-35.2632	0.49875	-0.50715	35.89005	-1665.81
47196_7196	47196	7196	17.47095	12.21518	0.028088	-0.70429	-35.8901	1665.807
47196_7197	47196	7197	-17.471	-0.47014	-0.02809	0.704288	35.57453	-1596.04
47197_7197	47197	7197	17.47095	0.470137	0.028088	-0.70429	-35.5745	1596.042
47197_7198	47197	7198	-17.471	11.27779	-0.02809	0.704288	35.26058	-1655.49
47198_7198	47198	7198	17.49221	-33.1648	-1.65664	-1.22955	-35.2606	1655.492
47198_7199	47198	7199	-17.4922	47.83616	1.656638	1.22955	58.0272	-2278.33
47199_7199	47199	7199	17.87809	-47.6944	-1.67291	1.023488	-58.0193	2274.332
47199_7200	47199	7200	-17.949	56.50208	1.672913	-1.02349	71.82893	-2717.06
47200_7200	47200	7200	19.65154	-93.2274	1.753238	1.025063	-71.8321	2717.061
47200_7201	47200	7201	-19.9461	105.7741	-1.75324	-1.02506	51.2421	-3921.63
47201_7201	47201	7201	20.223	-95.0287	1.273125	0.095025	-57.2681	2963.088
47201_7202	47201	7202	-20.9365	109.7612	-1.27313	-0.09502	40.38379	-4319.83
47202_7202	47202	7202	25.98671	-141.64	-1.32169	3.606488	-40.1848	4319.811
47202_7203	47202	7203	-27.0008	155.5391	1.321688	-3.60649	56.76773	-6158.39
47203_7203	47203	7203	30.96345	-154.799	-1.31145	0.201075	-57.136	6158.388
47203_7204	47203	7204	-32.3321	168.7001	1.31145	-0.20108	73.59896	-8210.39
47204_7204	47204	7204	-666.867	143.845	0.553612	1.9194	-90.6174	4037.563
47204_7205	47204	7205	666.8671	-133.281	-0.55361	-1.9194	85.35791	-2681.22
47205_7205	47205	7205	-666.867	133.2815	-0.23861	-1.19674	-85.3579	2486.714
47205_7206	47205	7206	666.8668	-124.663	0.238613	1.196738	87.20591	-1487.16
47206_7206	47206	7206	-666.867	124.6631	0.622125	0.722663	-87.2059	1487.156
47206_7207	47206	7207	666.8671	-116.045	-0.62212	-0.72266	82.38746	-554.394
47207_7207	47207	7207	-666.862	86.75651	0.3339	1.078875	-82.3875	554.4076
47207_7208	47207	7208	666.8616	-77.8609	-0.3339	-1.07888	79.70865	104.0729
47208_7208	47208	7208	-666.862	77.86091	0.3339	1.078875	-79.7087	-104.073
47208_7209	47208	7209	666.8616	-68.9653	-0.3339	-1.07888	77.02853	691.3869
47209_7209	47209	7209	-666.863	68.96531	-0.49849	1.94355	-77.0285	-691.385
47209_7210	47209	7210	666.8626	-60.0697	0.498488	-1.94355	81.01931	1207.536
47210_7210	47210	7210	-666.882	30.90203	2.198963	1.1235	-81.0193	-1207.52
47210_7211	47210	7211	666.8823	-24.229	-2.19896	-1.1235	67.8195	1372.917
47211_7211	47211	7211	-666.882	24.22901	2.198963	1.1235	-67.8195	-1372.92
47211_7212	47211	7212	666.8823	-17.5573	-2.19896	-1.1235	54.62126	1498.278
47212_7212	47212	7212	-666.885	17.55731	1.088588	3.6204	-54.6213	-1498.28
47212_7213	47212	7213	666.8849	-10.8869	-1.08859	-3.6204	48.08974	1583.605
47213_7213	47213	7213	-666.882	10.88693	2.198963	0.980438	-48.0897	-1583.61
47213_7214	47213	7214	666.8823	-4.21391	-2.19896	-0.98044	34.8915	1628.909
47214_7214	47214	7214	-666.898	-25.7646	3.614363	1.386263	-34.8915	-1628.9
47214_7215	47214	7215	666.8975	34.66181	-3.61436	-1.38626	5.985263	1387.194
47215_7215	47215	7215	-666.898	-34.6618	3.614363	1.386263	-5.98526	-1387.19
47215_7216	47215	7216	666.8975	43.55741	-3.61436	-1.38626	-22.921	1074.321
47216_7216	47216	7216	-666.902	-43.5574	2.779088	2.729213	22.92098	-1074.32
47216_7217	47216	7217	666.9023	52.4517	-2.77909	-2.72921	-45.1576	690.2758
47217_7217	47217	7217	-666.893	-81.2784	2.92635	-1.93358	45.15761	-690.327
47217_7218	47217	7218	666.8931	89.8968	-2.92635	1.933575	-67.8379	27.01283
47218_7218	47218	7218	-666.893	-89.8968	2.92635	-1.93358	67.83788	-27.0128
47218_7219	47218	7219	666.8931	98.51363	-2.92635	1.933575	-90.5195	-703.087
47219_7219	47219	7219	-666.837	-98.5136	9.175688	6.84075	90.51945	861.8618
47219_7220	47219	7220	666.8369	109.0787	-9.17569	-6.84075	-177.697	-1847.93
47220_7220	47220	7220	21.63184	208.2008	1.480763	-1.3167	16.7265	5496.003
47220_7221	47220	7221	-20.2742	-194.314	-1.48076	1.3167	-35.322	-2970.04
47221_7221	47221	7221	15.3216	194.7642	1.47735	7.224	34.59645	2970.041
47221_7222	47221	7222	-14.3199	-180.865	-1.47735	-7.224	-53.1185	-622.036
47222_7222	47222	7222	8.352225	146.5816	4.1349	-3.29779	53.71669	622.2025
47222_7223	47222	7223	-7.64662	-131.844	-4.1349	3.297788	-108.588	1243.41

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47223_7223	47223	7223	-7.70201	254.4003	-0.06615	38.4216	99.00109	15006.46
47223_7224	47223	7224	8.020163	-240.64	0.06615	-38.4216	-98.2233	-12308.8
47224_7224	47224	7224	-12.0296	195.5512	0.357	-19.6316	99.24679	12310.8
47224_7225	47224	7225	12.10676	-185.881	-0.357	19.63159	-102.194	-10378.1
47225_7225	47225	7225	-13.5878	185.7783	0.407138	17.52949	102.0319	10378.02
47225_7226	47225	7226	13.58779	-168.239	-0.40714	-17.5295	-108.117	-7728.56
47226_7226	47226	7226	-13.5978	140.5748	-0.5124	-9.17516	108.1169	7729.051
47226_7227	47226	7227	13.59776	-126.962	0.5124	9.175163	-102.166	-6174.98
47227_7227	47227	7227	-13.6001	126.9621	-0.46436	12.28028	102.1661	6174.974
47227_7228	47227	7228	13.60013	-113.36	0.464363	-12.2803	-96.7691	-4780.02
47228_7228	47228	7228	-13.5928	84.66176	-3.56318	-7.93826	96.76905	4779.885
47228_7229	47228	7229	13.59278	-71.0569	3.563175	7.938263	-55.3907	-3875.91
47229_7229	47229	7229	-13.6064	71.05691	-3.5049	8.733375	55.39065	3875.905
47229_7230	47229	7230	13.60643	-57.4505	3.5049	-8.73338	-14.6848	-3129.76
47230_7230	47230	7230	-13.7868	24.95456	7.354463	-7.93748	14.68478	3129.25
47230_7231	47230	7231	13.78676	-10.7604	-7.35446	7.937475	-103.77	-2912.91
47231_7231	47231	7231	-13.7576	10.7604	7.4109	3.940125	103.7697	2912.921
47231_7232	47231	7232	13.75763	3.452138	-7.4109	-3.94013	-193.626	-2868.61
47232_7232	47232	7232	-13.5849	-24.7514	-5.90468	-7.72144	193.6263	2868.381
47232_7233	47232	7233	13.5849	28.34108	5.904675	7.721438	-175.527	-3038.23
47233_7233	47233	7233	-13.4279	-28.4225	-5.88263	-4.08424	175.5067	3038.246
47233_7234	47233	7234	13.38698	35.406	5.882625	4.084238	-140.442	-3234.15
47234_7234	47234	7234	-13.0092	-35.5504	-5.8653	-1.23218	140.4611	3234.152
47234_7235	47234	7235	12.84386	45.37365	5.8653	1.232175	-91.2846	-3583.62
47235_7235	47235	7235	-12.3682	-45.5096	-5.8422	3.453975	91.4214	3583.616
47235_7236	47235	7236	12.1842	52.14195	5.8422	-3.45398	-58.3417	-3868.38
47236_7236	47236	7236	-18.0949	-102.339	6.553313	-4.75755	58.06894	3868.01
47236_7237	47236	7237	17.52949	114.9028	-6.55331	4.75755	-128.4	-4970.32
47237_7237	47237	7237	-3.11089	-91.5251	7.9275	3.014025	-6.64755	1704.05
47237_7238	47237	7238	2.3625	103.3473	-7.9275	-3.01403	-68.7346	-2639.93
47238_7238	47238	7238	1.373663	-116.475	-13.603	-10.5984	67.76963	2639.173
47238_7239	47238	7239	-2.32811	128.1648	13.60301	10.59844	60.28286	-3802.17
47239_7239	47239	7239	2.448863	-128.163	-13.5812	-0.29295	-59.45	3802.193
47239_7240	47239	7240	-3.5259	141.1407	13.58123	0.29295	201.4042	-5172.03
47240_7240	47240	7240	-612.773	161.9911	3.828038	1.671338	-122.549	2741.436
47240_7241	47240	7241	612.7727	-152.36	-3.82804	-1.67134	92.94337	-1526.3
47241_7241	47241	7241	-612.756	152.36	5.9283	6.454875	-92.9434	1480.543
47241_7242	47241	7242	612.7561	-141.702	-5.9283	-6.45488	42.22811	-222.624
47242_7242	47242	7242	-612.744	141.702	7.1988	6.917663	-42.2281	222.611
47242_7243	47242	7243	612.7443	-131.479	-7.1988	-6.91766	-16.8478	898.2149
47243_7243	47243	7243	-612	93.02134	-6.3651	4.223625	16.84778	-898.265
47243_7244	47243	7244	612.0001	-80.3961	6.3651	-4.22363	47.64585	1776.972
47244_7244	47244	7244	-612.012	80.39614	-4.91348	0.0084	-47.6459	-1776.98
47244_7245	47244	7245	612.0125	-68.5695	4.913475	-0.0084	94.28764	2484.091
47245_7245	47245	7245	-611.948	43.95458	-4.53259	5.559225	-94.2876	-2483.47
47245_7246	47245	7246	611.9476	-31.0727	4.532588	-5.55923	141.1481	2871.357
47246_7246	47246	7246	-611.958	31.07265	-2.97754	-1.72988	-141.148	-2871.36
47246_7247	47246	7247	611.9584	-19.5137	2.977538	1.729875	168.7799	3106.03
47247_7247	47247	7247	-612.172	-10.915	4.054313	9.211913	-168.78	-3105.42
47247_7248	47247	7248	612.1715	22.61254	-4.05431	-9.21191	130.699	2948
47248_7248	47248	7248	-612.149	-22.6125	6.547013	-2.78329	-130.699	-2948.01
47248_7249	47248	7249	612.1495	35.36978	-6.54701	2.783288	63.67673	2651.204
47249_7249	47249	7249	-612.237	-59.2234	11.81145	3.935663	-63.6767	-2650.76
47249_7250	47249	7250	612.2372	71.66906	-11.8115	-3.93566	-54.3149	1997.007
47250_7250	47250	7250	-612.203	-71.6691	13.44788	-1.39939	54.31493	-1997.01
47250_7251	47250	7251	612.2028	83.66584	-13.4479	1.399388	-183.812	1249.072
47251_7251	47251	7251	-611.462	-114.165	-14.7585	-28.3739	183.8125	-1249.69
47251_7252	47251	7252	611.4617	123.8218	14.75854	28.37389	-69.4215	327.3262
47252_7252	47252	7252	-611.52	-123.822	-12.164	-29.8785	69.42154	-321.375

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47252_7253	47252	7253	611.5203	135.65	12.16399	29.87854	46.0677	-919.573
47253_7253	47253	7253	2.899313	201.3737	-28.1038	77.39393	-117.05	2860.558
47253_7254	47253	7254	-1.99526	-192.338	28.10378	-77.3939	321.8959	-1411.28
47254_7254	47254	7254	-4.93789	160.8164	16.63856	-0.15278	-313.622	1409.524
47254_7255	47254	7255	6.108112	-146.386	-16.6386	0.152775	120.267	397.2617
47255_7255	47255	7255	-9.06229	146.2275	16.68004	1.383638	-120.189	-397.284
47255_7256	47255	7256	9.8196	-133.725	-16.68	-1.38364	-47.5222	1850.797
47256_7256	47256	7256	-13.3292	101.1804	1.686563	7.664738	47.23346	-1850.66
47256_7257	47256	7257	13.83323	-89.4873	-1.68656	-7.66474	-63.0719	2826.996
47257_7257	47257	7257	-15.3815	89.23373	1.725413	-0.00341	63.36724	-2834.95
47257_7258	47257	7258	15.61009	-80.3366	-1.72541	0.003413	-75.6835	3470.969
47258_7258	47258	7258	-16.343	80.19034	1.74615	-4.71109	75.74779	-3470.96
47258_7259	47258	7259	16.44983	-73.8384	-1.74615	4.711088	-84.6494	3883.256
47259_7259	47259	7259	-104.938	-19.5683	-3.58969	-26.1293	152.7595	10529.34
47259_7260	47259	7260	105.0118	29.80898	3.589688	26.12925	-124.898	-10219.5
47260_7260	47260	7260	-104.807	-30.5592	-3.27285	3.735638	124.7088	10227.76
47260_7261	47260	7261	104.8068	42.01575	3.27285	-3.73564	-96.3052	-10542.7
47261_7261	47261	7261	-104.81	-42.0158	-3.15368	15.69041	96.30521	10542.72
47261_7262	47261	7262	104.8097	52.64858	3.153675	-15.6904	-70.9005	-10924
47262_7262	47262	7262	-104.818	-93.9656	-1.46816	-15.6629	70.90046	10924.22
47262_7263	47262	7263	104.8181	109.2509	1.468163	15.66285	-53.9062	-12101
47263_7263	47263	7263	-104.819	-109.251	-1.24399	10.11806	53.90621	12101.01
47263_7264	47263	7264	104.8189	124.3959	1.243988	-10.1181	-39.6296	-13441.4
47264_7264	47264	7264	-104.877	-155.785	-5.5272	-33.5493	39.62963	13442.41
47264_7265	47264	7265	104.8772	171.2437	5.5272	33.54934	25.12598	-15357.6
47265_7265	47265	7265	-104.898	-171.244	-5.14605	22.32221	-25.126	15357.6
47265_7266	47265	7266	104.8976	186.2172	5.14605	-22.3222	83.52041	-17385.3
47266_7266	47266	7266	-104.827	-219.496	0.337575	-42.1381	-83.5204	17387.26
47266_7267	47266	7267	104.8268	234.6354	-0.33758	42.13808	79.64854	-19991.9
47267_7267	47267	7267	-104.825	-234.635	0.654413	18.30491	-79.6485	19991.91
47267_7268	47267	7268	104.8254	249.916	-0.65441	-18.3049	72.07279	-22796.7
47268_7268	47268	7268	-105.081	-295.564	-9.41325	-91.213	-72.0728	22800.26
47268_7269	47268	7269	105.0811	300.8373	9.41325	91.21298	109.6791	-25671.1
47269_7269	47269	7269	-102.41	-301.763	-9.15521	-31.9407	-109.971	25676.66
47269_7270	47269	7270	102.2942	314.653	9.155213	31.94074	199.3727	-28086.7
47270_7270	47270	7270	-97.3623	-316.223	-8.87906	42.64024	-198.089	28086.7
47270_7271	47270	7271	97.02998	329.7412	8.879063	-42.6402	289.059	-31528.8
47271_7271	47271	7271	-89.0211	-361.759	-14.6577	-81.8178	-294.038	31561.7
47271_7272	47271	7272	88.28584	377.9454	14.65774	81.81784	474.0054	-35935.1
47272_7272	47272	7272	-79.8572	-379.833	-14.2178	74.55131	-465.826	35935.27
47272_7273	47272	7273	78.74213	396.2585	14.21779	-74.5513	643.1733	-40920.9
47273_7273	47273	7273	-69.7363	-402.558	36.26228	-113.646	-658.805	40930.19
47273_7274	47273	7274	69.111	409.877	-36.2623	113.646	456.9928	-43258.8
47274_7274	47274	7274	-63.4835	-410.764	36.50666	-9.09274	-448.748	43259.01
47274_7275	47274	7275	62.4393	421.3136	-36.5067	9.092738	155.5856	-46246.8
47275_7275	47275	7275	-2715.62	631.9596	34.93245	100.2808	324.6479	20186.14
47275_7276	47275	7276	2715.625	-624.702	-34.9325	-100.281	-516.751	-16335
47276_7276	47276	7276	-1160.6	182.0729	-25.6239	-12.6226	216.2948	5722.475
47276_7277	47276	7277	1160.602	-176.65	25.62394	12.62258	-113.842	-5005.34
47277_7277	47277	7277	-1160.64	176.6502	-23.6413	-1.44821	113.8423	4876.515
47277_7278	47277	7278	1160.645	-162.913	23.64128	1.448213	125.6611	-3156.53
47278_7278	47278	7278	-1160.71	162.913	-20.3046	7.629563	-125.661	3156.517
47278_7279	47278	7279	1160.707	-150.408	20.30464	-7.62956	312.9	-1711.85
47279_7279	47279	7279	-1160.63	100.5383	-11.3306	1.8795	-312.9	1712.038
47279_7280	47279	7280	1160.63	-84.7064	11.33055	-1.8795	445.1748	-630.658
47280_7280	47280	7280	-1160.67	84.70639	-6.47981	4.515525	-445.175	630.6455
47280_7281	47280	7281	1160.669	-68.1875	6.479813	-4.51553	524.1141	300.6497
47281_7281	47281	7281	-1160.23	61.67963	17.91641	1.922813	-524.114	301.1111
47281_7282	47281	7282	1160.23	-50.242	-17.9164	-1.92281	302.0674	392.4333

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47282_7282	47282	7282	-1160.18	50.24198	21.19583	0.812963	-302.067	-392.438
47282_7283	47282	7283	1160.177	-39.6611	-21.1958	-0.81296	59.08875	907.7345
47283_7283	47283	7283	-1160.84	-26.8488	-10.0829	2.864663	-59.0888	-907.995
47283_7284	47283	7284	1160.841	36.73031	10.08289	-2.86466	167.0398	567.6486
47284_7284	47284	7284	-1160.87	-36.7303	-5.36629	0.55965	-167.04	-567.657
47284_7285	47284	7285	1160.872	45.69679	5.366288	-0.55965	219.1691	167.2382
47285_7285	47285	7285	-1161.02	-77.1894	29.28214	-10.6572	-219.169	-167.293
47285_7286	47285	7286	1161.02	84.72765	-29.2821	10.65724	-20.0597	-494.151
47286_7286	47286	7286	-1160.97	-84.7277	31.26638	-9.81251	20.05973	494.1686
47286_7287	47286	7287	1160.97	91.50934	-31.2664	9.812513	-249.752	-1141.53
47287_7287	47287	7287	-1160.9	-91.5093	33.84859	-5.72801	249.7522	1194.548
47287_7288	47287	7288	1160.895	98.90423	-33.8486	5.728013	-520.993	-1996.63
47288_7288	47288	7288	37.40599	360.7637	-4.33493	1.34925	-68.764	10739.72
47288_7289	47288	7289	-36.42	-349.082	4.334925	-1.34925	123.8121	-6141.75
47289_7289	47289	7289	31.17109	349.5904	-4.35776	23.14883	-125.162	6141.674
47289_7290	47289	7290	-30.4671	-339.43	4.357763	-23.1488	173.2461	-2286.11
47290_7290	47290	7290	21.22916	293.3094	4.129913	6.022275	-171.717	2286.687
47290_7291	47290	7291	-20.9016	-286.513	-4.12991	-6.02228	141.2683	-86.5493
47291_7291	47291	7291	15.84371	286.8366	4.123088	8.5911	-141.143	86.53688
47291_7292	47291	7292	-15.5996	-278.801	-4.12309	-8.5911	105.2286	2714.487
47292_7292	47292	7292	11.17804	279.0126	4.093425	-0.53602	-104.919	-2712.96
47292_7293	47292	7293	-11.1211	-275.072	-4.09343	0.536025	87.43796	3562.969
47293_7293	47293	7293	7.953225	242.2473	1.45425	16.37869	-87.4994	-3563.36
47293_7294	47293	7294	-7.9296	-235.66	-1.45425	-16.3787	77.11384	5269.049
47294_7294	47294	7294	7.04655	235.6877	1.440863	6.93945	-77.0508	-5269.07
47294_7295	47294	7295	-7.04655	-227.753	-1.44086	-6.93945	64.65716	7260.91
47295_7295	47295	7295	7.05075	227.7531	1.42485	-9.31534	-64.6572	-7262.79
47295_7296	47295	7296	-7.05075	-221.244	-1.42485	9.315338	54.60131	8846.06
47296_7296	47296	7296	36.67755	126.6187	2.8812	31.28554	-131.39	-15743.1
47296_7297	47296	7297	-36.6776	-116.205	-2.8812	-31.2855	99.74003	17077.05
47297_7297	47297	7297	36.68595	116.2046	2.785388	-13.6936	-99.74	-17077.1
47297_7298	47297	7298	-36.686	-105.402	-2.78539	13.69358	68.01664	18339.5
47298_7298	47298	7298	36.67361	76.39826	1.558988	45.64875	-68.0166	-18341.6
47298_7299	47298	7299	-36.6736	-65.7513	-1.55899	-45.6488	50.51603	19139.62
47299_7299	47299	7299	36.6807	65.75126	1.424588	-24.2253	-50.516	-19139.7
47299_7300	47299	7300	-36.6807	-53.8002	-1.42459	24.22534	32.55604	19893.16
47300_7300	47300	7300	36.69645	14.02485	1.89945	39.22354	-32.556	-19895.4
47300_7301	47300	7301	-36.6965	-2.47065	-1.89945	-39.2235	9.40485	19995.95
47301_7301	47301	7301	36.70354	2.47065	1.7808	-25.6885	-9.40485	-19996
47301_7302	47301	7302	-36.7035	8.574825	-1.7808	25.68851	-11.3384	19960.42
47302_7302	47302	7302	36.71115	-49.4293	1.805475	39.34403	11.33843	-19962.4
47302_7303	47302	7303	-36.7112	61.5489	-1.80548	-39.344	-34.4187	19253.16
47303_7303	47303	7303	36.71666	-61.5489	1.668188	-32.498	34.41874	-19253.2
47303_7304	47303	7304	-36.7167	72.0258	-1.66819	32.49803	-52.8573	18515.17
47304_7304	47304	7304	36.71509	-114.575	1.30725	34.8096	52.85726	-18517.2
47304_7305	47304	7305	-36.7151	125.5304	-1.30725	-34.8096	-67.9623	17130.04
47305_7305	47305	7305	36.72034	-125.53	1.175738	-26.0243	67.9623	-17130.1
47305_7306	47305	7306	-36.7203	137.1618	-1.17574	26.02425	-82.3982	15518.69
47306_7306	47306	7306	36.65655	-180.3	-3.24791	27.29003	82.39823	-15520.2
47306_7307	47306	7307	-36.6566	191.5688	3.247913	-27.29	-43.8057	13310.28
47307_7307	47307	7307	36.64553	-191.569	-3.3936	-25.9668	43.80574	-13310.3
47307_7308	47307	7308	-36.6455	202.8899	3.3936	25.96676	-3.28388	10955.47
47308_7308	47308	7308	37.04925	-256.383	23.76019	14.99033	3.283875	-10956.3
47308_7309	47308	7309	-37.0493	267.7629	-23.7602	-14.9903	-288.424	7811.276
47309_7309	47309	7309	37.15005	-267.763	23.60295	-17.9747	288.424	-7811.27
47309_7310	47309	7310	-37.1501	278.9661	-23.603	17.97469	-567.36	4580.773
47310_7310	47310	7310	36.28406	-347.334	-42.4145	-3.51173	567.3599	-4581.01
47310_7311	47310	7311	-36.2841	360.018	42.41449	3.511725	0	-149.882

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
7000_7000	7000	7000	1.857	14.231	-0.141	-0.063	0	6.507	1
7000_7001	7000	7001	42.225	-50.245	0.059	0.042	0.623	324.34	1
7001_7001	7001	7001	2.244	-3.013	0.171	0.091	1.8	18.154	1
7001_7002	7001	7002	68.566	-42.834	0.079	0.049	1.574	525.082	1
7002_7002	7002	7002	4.647	-3.305	-0.055	0.106	3.268	37.143	1
7002_7003	7002	7003	94.872	-34.637	-0.059	-0.015	1.081	724.99	1
7003_7003	7003	7003	7.951	-3.343	-0.049	0.12	2.542	62.529	1
7003_7004	7003	7004	109.573	-26.731	-0.07	0.138	0.509	837.205	1
7004_7004	7004	7004	11.273	-3.298	0.012	0.078	1.943	87.697	1
7004_7005	7004	7005	122.461	-28.186	0.002	-0.119	0.691	935.349	1
7005_7005	7005	7005	14.546	-3.298	0.012	0.122	2.085	112.502	1
7005_7006	7005	7006	126.551	-21.568	0.001	0.233	0.866	966.593	1
7006_7006	7006	7006	17.822	-3.353	0.036	0.059	2.23	137.323	1
7006_7007	7006	7007	133.369	-25.341	0.015	-0.117	1.21	1018.36	1
7007_7007	7007	7007	21.151	-3.353	0.036	0.123	2.663	162.554	1
7007_7008	7007	7008	132.945	-19.135	0.016	0.261	1.586	1015.14	1
7008_7008	7008	7008	24.483	-3.402	0.039	0.032	3.092	187.85	1
7008_7009	7008	7009	136.336	-23.274	0.034	-0.127	2.199	1040.787	1
7009_7009	7009	7009	27.86	-3.402	0.039	0.115	3.562	213.438	1
7009_7010	7009	7010	132.859	-17.136	0.035	0.253	2.806	1014.355	1
7010_7010	7010	7010	31.239	-3.479	0.038	0.002	4.034	239.044	1
7010_7011	7010	7011	133.123	-20.973	0.027	-0.128	3.308	1016.266	1
7011_7011	7011	7011	34.71	-3.502	0.038	0.099	4.448	265.58	1
7011_7012	7011	7012	127.277	-1.214	0.028	0.23	3.485	972.039	1
7012_7012	7012	7012	38.187	-3.681	0.038	-0.039	4.907	291.931	1
7012_7013	7012	7013	124.782	-4.941	0.058	-0.161	4.349	953.04	1
7013_7013	7013	7013	41.841	-3.681	0.039	0.085	5.373	319.626	1
7013_7014	7013	7014	115.199	1.702	0.055	0.202	5.117	880.306	1
7014_7014	7014	7014	45.499	-3.845	0.042	-0.024	5.84	347.343	1
7014_7015	7014	7015	104.122	1.266	0.048	-0.061	5.843	796.164	1
7015_7015	7015	7015	55.098	-3.704	0.029	-0.005	4.428	394.287	1
7015_7016	7015	7016	100.047	-7.55	0.034	0.03	4.022	737.151	1
7016_7016	7016	7016	56.652	-4.153	0.015	-0.068	4.665	416.083	1
7016_7017	7016	7017	80.465	-8.208	-0.011	-0.087	3.655	659.052	1
7017_7017	7017	7017	55.526	-4.063	0.015	-0.066	4.806	458.942	1
7017_7018	7017	7018	51.297	-1.86	-0.007	-0.025	3.224	522.956	1
7018_7018	7018	7018	50.635	-4.489	0.003	-0.161	4.969	511.432	1
7018_7019	7018	7019	28.356	0.645	-0.004	-0.097	2.887	369.62	1
7019_7019	7019	7019	44.545	-4.567	0.003	-0.097	5.031	568.986	1
7019_7020	7019	7020	13.984	-1.146	0.011	-0.044	2.127	230.547	1
7020_7020	7020	7020	43.075	24.872	-0.075	-0.031	1.719	371.958	1
7020_7021	7020	7021	74.615	-23.545	-0.011	-0.067	3.767	320.172	1
7021_7021	7021	7021	26.948	19.398	-0.063	-0.007	1.38	240.279	1
7021_7022	7021	7022	78.419	-20.229	-0.003	-0.031	2.614	359.562	1
7022_7022	7022	7022	14.822	14.888	-0.064	0.009	1.444	173.418	1
7022_7023	7022	7023	80.449	-21.675	0.011	0.013	2.156	414.112	1
7023_7023	7023	7023	5.171	1.09	-0.047	-0.031	2.391	90.645	1
7023_7024	7023	7024	83.532	-21.552	-0.031	-0.053	1.656	455.429	1
7024_7024	7024	7024	4.372	1.057	-0.044	-0.021	1.945	82.159	1
7024_7025	7024	7025	84.311	-16.99	-0.026	-0.002	1.227	478.981	1
7025_7025	7025	7025	3.582	1.057	-0.044	-0.021	1.595	76.865	1
7025_7026	7025	7026	83.116	-12.043	-0.019	0.002	0.891	484.809	1
7026_7026	7026	7026	2.817	0.98	-0.039	-0.03	1.175	66.58	1
7026_7027	7026	7027	84.342	-15.456	-0.021	-0.047	0.659	500.941	1
7027_7027	7027	7027	2.27	0.962	-0.038	-0.03	0.93	61.559	1
7027_7028	7027	7028	84.405	-11.716	-0.014	-0.057	0.509	506.763	1
7028_7028	7028	7028	1.738	0.948	-0.035	-0.02	0.698	56.92	1
7028_7029	7028	7029	83.039	-18.458	0.021	0.05	0.484	496.681	1
7029_7029	7029	7029	1.549	-0.519	0.008	0.01	-0.43	-28.742	1
7029_7030	7029	7030	81.287	-14.985	0.028	0.049	0.657	478.988	1
7030_7030	7030	7030	1.856	-0.561	0.008	0.017	-0.405	-28.757	1
7030_7031	7030	7031	81.73	-16.944	0.025	-0.002	0.905	471.221	1
7031_7031	7031	7031	2.314	-0.657	0.011	0.019	-0.364	-30.24	1
7031_7032	7031	7032	80.068	-12.376	0.031	0.006	1.253	445.712	1
7032_7032	7032	7032	2.827	-0.71	0.012	0.017	-0.267	-29.038	1
7032_7033	7032	7033	76.046	-8.268	0.036	0.057	1.675	402.516	1
7033_7033	7033	7033	3.381	-0.765	0.035	0.019	-0.147	-26.993	1
7033_7034	7033	7034	72.919	-8.205	0.004	0.035	1.875	364.246	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7034_7034	7034	7034	12.736	-16.862	0.064	-0.012	1.019	157.934	1
7034_7035	7034	7035	68.096	-10.478	0.026	-0.003	2.488	300.869	1
7035_7035	7035	7035	23.609	-19.413	0.085	0.056	1.667	246.242	1
7035_7036	7035	7036	61.866	-7.395	0.042	0.072	4.108	243.184	1
7036_7036	7036	7036	51.984	26.934	0.007	-0.191	-3.338	590.247	1
7036_7037	7036	7037	14.977	-34.591	0.008	0.075	2.047	329.199	1
7037_7037	7037	7037	44.308	21.254	-0.004	-0.066	-3.211	387.266	1
7037_7038	7037	7038	34.335	-28.464	0	0.068	2.343	464.693	1
7038_7038	7038	7038	36.138	16.077	-0.002	-0.132	-3.046	247.648	1
7038_7039	7038	7039	57.569	-25.189	0.019	0.012	2.787	581.146	1
7039_7039	7039	7039	37.588	4.964	-0.007	0.079	3.172	375.157	1
7039_7040	7039	7040	73.048	-18.74	0.023	0.099	3.2	630.281	1
7040_7040	7040	7040	36.833	4.265	-0.011	-0.009	3.094	329.766	1
7040_7041	7040	7041	82.034	-21.514	-0.01	-0.06	3.198	679.271	1
7041_7041	7041	7041	39.436	4.219	-0.004	0.024	1.415	282.355	1
7041_7042	7041	7042	98.117	-12.578	0	0.043	1.563	664.359	1
7042_7042	7042	7042	32.98	3.773	-0.008	-0.015	1.352	242.7	1
7042_7043	7042	7043	106.121	-15.852	-0.012	-0.044	1.464	711.229	1
7043_7043	7043	7043	28.545	3.717	-0.007	0.016	1.244	213.388	1
7043_7044	7043	7044	107.631	-20.649	-0.004	0.059	1.425	709.931	1
7044_7044	7044	7044	24.16	3.567	-0.006	-0.015	1.154	186.243	1
7044_7045	7044	7045	114.24	-24.275	-0.002	-0.016	1.39	747.315	1
7045_7045	7045	7045	19.958	3.515	-0.005	-0.005	1.075	158.539	1
7045_7046	7045	7046	112.271	-17.492	0	0.032	1.374	733.937	1
7046_7046	7046	7046	22.185	-3.839	0.01	0.002	1.109	144.523	1
7046_7047	7046	7047	115.222	-21.317	0.004	-0.05	1.402	751.467	1
7047_7047	7047	7047	26.744	-3.866	0.01	0.027	1.236	173.061	1
7047_7048	7047	7048	110.082	-14.657	0.006	0.053	1.452	720.645	1
7048_7048	7048	7048	31.333	-3.943	0.01	-0.005	1.365	201.894	1
7048_7049	7048	7049	109.287	-18.12	0.011	-0.029	1.54	716.351	1
7049_7049	7049	7049	36.007	-3.949	0.01	0.012	1.488	230.397	1
7049_7050	7049	7050	101.675	-11.653	0.012	0.022	1.63	669.679	1
7050_7050	7050	7050	40.697	-4.172	0.012	-0.02	1.613	259.517	1
7050_7051	7050	7051	96.283	-13.349	0.008	-0.037	1.653	633.933	1
7051_7051	7051	7051	44.876	-4.119	0.014	0.007	2.102	310.808	1
7051_7052	7051	7052	82.141	-8.203	0.013	0.044	1.977	610.074	1
7052_7052	7052	7052	47.088	-4.366	0.004	-0.069	2.219	333.745	1
7052_7053	7052	7053	67.857	-9.028	-0.015	-0.089	1.702	561.644	1
7053_7053	7053	7053	43.133	-4.432	0.006	-0.066	3.106	396.206	1
7053_7054	7053	7054	39.279	-2.682	-0.013	-0.013	1.95	481.113	1
7054_7054	7054	7054	39.976	-4.796	0.011	-0.156	3.157	452.909	1
7054_7055	7054	7055	21.231	-0.03	0	-0.094	1.806	345.021	1
7055_7055	7055	7055	39.836	-20.351	-0.009	0.259	-2.746	361.777	1
7055_7056	7055	7056	17.824	-2.688	-0.006	0.1	-0.524	134.01	1
7056_7056	7056	7056	34.983	23.254	-0.061	-0.052	1.45	342.325	1
7056_7057	7056	7057	70.758	-29.376	-0.003	-0.127	2.235	348.298	1
7057_7057	7057	7057	18.465	18.365	-0.057	-0.019	1.206	224.41	1
7057_7058	7057	7058	75.424	-25.561	0.003	-0.058	1.755	406.718	1
7058_7058	7058	7058	7.683	14.228	-0.058	0.006	1.162	159.684	1
7058_7059	7058	7059	78.109	-21.357	0.009	0.035	1.591	449.016	1
7059_7059	7059	7059	5.125	0.928	-0.031	-0.074	1.673	84.497	1
7059_7060	7059	7060	81.52	-21.34	-0.023	-0.168	1.229	495.534	1
7060_7060	7060	7060	4.492	0.897	-0.029	-0.052	1.38	76.806	1
7060_7061	7060	7061	82.686	-16.717	-0.02	-0.044	0.911	522.639	1
7061_7061	7061	7061	3.873	0.897	-0.028	-0.035	1.15	72.106	1
7061_7062	7061	7062	81.883	-11.725	-0.017	0.08	0.649	530.181	1
7062_7062	7062	7062	4.07	-0.887	0.027	0.044	0.032	51.851	1
7062_7063	7062	7063	83.254	-15.369	-0.015	-0.157	0.491	548.384	1
7063_7063	7063	7063	4.53	-0.887	0.027	0.061	0.193	55.338	1
7063_7064	7063	7064	83.493	-11.632	-0.011	0.022	0.383	555.479	1
7064_7064	7064	7064	4.988	-0.887	0.027	0.06	0.357	58.825	1
7064_7065	7064	7065	82.893	-18.603	0.017	0.057	0.428	547.979	1
7065_7065	7065	7065	5.453	-0.916	0.029	0.064	0.53	64.897	1
7065_7066	7065	7066	81.33	-15.135	0.022	0.073	0.577	529.152	1
7066_7066	7066	7066	5.928	-0.926	0.03	0.053	0.703	68.502	1
7066_7067	7066	7067	81.921	-17.279	0.023	0.039	0.818	521.115	1
7067_7067	7067	7067	6.582	-0.956	0.031	0.056	0.97	76.136	1
7067_7068	7067	7068	80.552	-12.668	0.027	0.051	1.124	493.684	1
7068_7068	7068	7068	7.242	-0.987	0.033	0.059	1.259	84.183	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7068_7069	7068	7069	76.967	-8.51	0.032	0.069	1.49	447.082	1
7069_7069	7069	7069	7.925	-1.046	0.045	0.026	1.521	89.362	1
7069_7070	7069	7070	74.191	-8.509	0.003	-0.017	1.643	405.392	1
7070_7070	7070	7070	8.624	-1.046	0.045	0.049	1.867	94.672	1
7070_7071	7070	7071	69.433	-4.727	0.008	0.083	1.893	349.76	1
7071_7071	7071	7071	18.389	-19.237	0.067	0.045	1.143	228.629	1
7071_7072	7071	7072	63.587	-7.424	0.028	0.095	3.036	264.807	1
7072_7072	7072	7072	43.374	30.471	0.017	-0.224	-2.736	511.852	1
7072_7073	7072	7073	16.652	-34.681	0	0.091	1.723	349.211	1
7073_7073	7073	7073	34.672	4.548	-0.009	0.13	2.984	510.597	1
7073_7074	7073	7074	35.937	-28.342	-0.008	0.082	1.849	489.556	1
7074_7074	7074	7074	39.473	4.281	-0.002	0.074	2.872	456.608	1
7074_7075	7074	7075	58.913	-24.943	0.019	0.021	2.222	610.747	1
7075_7075	7075	7075	47.526	4.139	-0.001	0.064	2.076	382.238	1
7075_7076	7075	7076	82.037	-18.271	0.016	0.08	1.902	627.589	1
7076_7076	7076	7076	47.506	3.755	-0.01	0.009	2.064	344.265	1
7076_7077	7076	7077	92.578	-21.333	-0.013	-0.02	1.849	681.264	1
7077_7077	7077	7077	42.264	3.793	-0.014	0.039	2.846	324.048	1
7077_7078	7077	7078	92.345	-25.158	-0.002	0.083	2.678	734.029	1
7078_7078	7078	7078	37.669	3.701	-0.016	-0.021	2.653	290.735	1
7078_7079	7078	7079	101.536	-28.063	-0.016	-0.028	2.496	795.644	1
7079_7079	7079	7079	34.132	3.644	-0.015	0.019	2.464	261.793	1
7079_7080	7079	7080	103.997	-21.649	-0.014	0.089	2.317	809.204	1
7080_7080	7080	7080	30.621	3.505	-0.014	-0.038	2.267	232.415	1
7080_7081	7080	7081	110.183	-25.449	0	-0.048	2.289	850.919	1
7081_7081	7081	7081	27.224	3.505	-0.014	-0.003	2.108	207.787	1
7081_7082	7081	7082	109.576	-19.095	0.002	0.09	2.281	844.784	1
7082_7082	7082	7082	23.884	3.385	-0.015	-0.049	1.911	178.944	1
7082_7083	7082	7083	113.034	-22.786	0.001	-0.057	2.259	869.674	1
7083_7083	7083	7083	20.95	-3.32	0.018	0.046	1.68	158.089	1
7083_7084	7083	7084	109.077	-3.779	0	0.06	2.275	841.121	1
7084_7084	7084	7084	24.42	-3.383	0.018	0.003	1.912	184.393	1
7084_7085	7084	7085	109.589	-8.289	0.005	-0.084	2.337	844.72	1
7085_7085	7085	7085	27.72	-3.413	0.018	0.035	2.125	209.755	1
7085_7086	7085	7086	103.304	-1.646	0.007	0.048	2.419	800.441	1
7086_7086	7086	7086	31.038	-3.527	0.02	-0.042	2.336	235.423	1
7086_7087	7086	7087	100.884	-5.758	0.017	-0.157	2.607	785.329	1
7087_7087	7087	7087	34.464	-3.533	0.021	0.041	2.562	260.567	1
7087_7088	7087	7088	92.439	-11.503	0.02	0.097	2.671	731.961	1
7088_7088	7088	7088	37.897	-3.663	0.018	-0.053	2.792	286.592	1
7088_7089	7088	7089	86.657	-12.955	0.016	-0.103	2.732	689.106	1
7089_7089	7089	7089	41.527	-3.613	0.016	0.015	2.722	334.928	1
7089_7090	7089	7090	75.956	-8.466	0.017	0.083	2.514	666.554	1
7090_7090	7090	7090	43.137	-3.881	0.008	-0.086	2.854	356.255	1
7090_7091	7090	7091	62.009	-9.264	-0.014	-0.118	2.206	608.157	1
7091_7091	7091	7091	42.18	-3.858	0.01	-0.086	3.726	397.786	1
7091_7092	7091	7092	38.301	-2.619	-0.01	-0.035	2.407	489.71	1
7092_7092	7092	7092	38.635	-4.066	0.017	-0.152	3.864	445.632	1
7092_7093	7092	7093	20.278	-0.043	0	-0.094	2.233	346.473	1
7093_7093	7093	7093	33.955	-4.397	0.017	-0.141	4.039	502.686	1
7093_7094	7093	7094	13.901	-3.007	-0.003	0.084	-0.199	139.01	1
7094_7094	7094	7094	33.043	22.769	-0.073	-0.045	1.657	341.551	1
7094_7095	7094	7095	69.201	-23.58	-0.015	-0.114	2.87	331.449	1
7095_7095	7095	7095	16.134	17.994	-0.088	-0.026	1.727	229.629	1
7095_7096	7095	7096	71.369	-25.654	0.002	-0.068	2.589	417.516	1
7096_7096	7096	7096	6.877	0.824	-0.06	-0.013	2.866	85.211	1
7096_7097	7096	7097	73.633	-21.345	0.011	0.037	2.344	460.633	1
7097_7097	7097	7097	6.366	0.744	-0.046	-0.063	2.315	77.477	1
7097_7098	7097	7098	76.677	-21.489	-0.04	-0.177	1.774	508.934	1
7098_7098	7098	7098	5.889	0.74	-0.045	-0.044	1.936	73.001	1
7098_7099	7098	7099	77.6	-16.771	-0.037	-0.047	1.263	536.824	1
7099_7099	7099	7099	5.427	0.715	-0.043	-0.026	1.533	66.576	1
7099_7100	7099	7100	76.653	-11.67	-0.032	0.088	0.833	543.876	1
7100_7100	7100	7100	4.968	0.726	-0.045	-0.049	1.189	62.692	1
7100_7101	7100	7101	77.943	-15.655	-0.027	-0.051	0.581	563.434	1
7101_7101	7101	7101	4.629	0.68	-0.041	-0.026	0.89	55.91	1
7101_7102	7101	7102	78.163	-11.865	-0.021	0.17	0.412	571.293	1
7102_7102	7102	7102	4.302	0.68	-0.042	-0.061	0.645	53.137	1
7102_7103	7102	7103	77.435	-18.657	0.03	-0.135	0.609	563.984	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7103_7103	7103	7103	3.974	0.68	-0.041	-0.045	0.393	50.364	1
7103_7104	7103	7104	75.973	-15.141	0.035	0.051	0.87	544.556	1
7104_7104	7104	7104	4.194	-0.852	0.039	0.042	1.301	70.166	1
7104_7105	7104	7105	76.683	-17.541	0.042	-0.045	1.329	537.59	1
7105_7105	7105	7105	4.742	-0.852	0.04	0.061	1.614	74.796	1
7105_7106	7105	7106	75.527	-12.817	0.046	0.093	1.871	509.739	1
7106_7106	7106	7106	5.294	-0.901	0.043	0.064	2.037	84.122	1
7106_7107	7106	7107	72.253	-8.57	0.053	0.094	2.509	461.422	1
7107_7107	7107	7107	5.873	-0.952	0.06	0.036	2.382	89.014	1
7107_7108	7107	7108	69.787	-8.667	-0.001	0.031	2.744	418.418	1
7108_7108	7108	7108	6.466	-0.984	0.062	0.038	2.948	97.407	1
7108_7109	7108	7109	65.324	-10.646	0.023	0.044	3.501	341.701	1
7109_7109	7109	7109	16.495	-18.657	0.079	0.053	1.474	223.35	1
7109_7110	7109	7110	61.361	-7.324	0.03	0.094	3.84	264.13	1
7110_7110	7110	7110	42.226	28.206	0.028	-0.264	-4.25	506.373	1
7110_7111	7110	7111	16.23	-34.433	-0.004	0.072	2.489	355.352	1
7111_7111	7111	7111	34.328	20.101	0.016	-0.054	-3.934	317.105	1
7111_7112	7111	7112	34.865	-27.88	-0.013	0.097	2.679	494.69	1
7112_7112	7112	7112	38.084	4.461	-0.015	0.099	3.961	458.982	1
7112_7113	7112	7113	56.941	-24.542	0.007	0.049	3.003	614.382	1
7113_7113	7113	7113	42.237	4.38	-0.011	0.078	2.978	401.611	1
7113_7114	7113	7114	71.939	-17.678	0.007	0.096	2.604	656.884	1
7114_7114	7114	7114	42.048	4.103	-0.018	0.029	2.846	360.704	1
7114_7115	7114	7115	80.299	-20.806	-0.019	0.002	2.531	705.804	1
7115_7115	7115	7115	44.423	4.142	-0.015	0.016	2.245	303.048	1
7115_7116	7115	7116	94.017	-12.328	-0.013	0.028	2.011	664.91	1
7116_7116	7116	7116	39.038	3.933	-0.016	-0.017	2.039	266.721	1
7116_7117	7116	7117	100.99	-15.847	-0.02	-0.035	1.839	708.264	1
7117_7117	7117	7117	34.931	3.91	-0.016	0.009	1.855	239.321	1
7117_7118	7117	7118	102.064	-9.005	-0.019	0.046	1.647	712.288	1
7118_7118	7118	7118	30.857	3.807	-0.015	-0.019	1.672	211.812	1
7118_7119	7118	7119	107.776	-24.589	-0.009	0.005	1.516	740.875	1
7119_7119	7119	7119	26.885	3.776	-0.015	-0.019	1.5	184.954	1
7119_7120	7119	7120	106.064	-6.481	-0.01	0	1.424	731.982	1
7120_7120	7120	7120	22.959	3.706	-0.014	-0.043	1.322	157.603	1
7120_7121	7120	7121	109.55	-10.661	-0.009	-0.091	1.309	752.232	1
7121_7121	7121	7121	18.832	3.633	-0.014	-0.015	1.131	128.51	1
7121_7122	7121	7122	104.404	-3.257	-0.006	0.068	1.225	718.598	1
7122_7122	7122	7122	15.342	-2.288	0.006	0.002	0.865	109.853	1
7122_7123	7122	7123	104.093	-7.982	-0.005	-0.06	1.164	717.369	1
7123_7123	7123	7123	17.755	-2.347	0.006	0.017	0.943	127.986	1
7123_7124	7123	7124	96.234	-1.084	-0.003	0.023	1.128	669.08	1
7124_7124	7124	7124	20.226	-2.471	0.006	-0.018	1.015	145.899	1
7124_7125	7124	7125	92.822	-5.382	0.002	-0.098	1.149	650.343	1
7125_7125	7125	7125	22.834	-2.494	0.007	0.019	1.09	163.562	1
7125_7126	7125	7126	82.813	-10.372	0.006	0.054	1.163	595.875	1
7126_7126	7126	7126	25.478	-2.738	0.005	-0.02	1.168	183.836	1
7126_7127	7126	7127	76.571	-12.037	0.01	-0.045	1.234	555.327	1
7127_7127	7127	7127	29.988	-2.748	0.005	0	1.107	211.888	1
7127_7128	7127	7128	69.375	-7.459	0.011	0.019	1.175	513.454	1
7128_7128	7128	7128	31.464	-3.203	0.008	-0.039	1.149	227.032	1
7128_7129	7128	7129	55.949	-8.757	-0.002	-0.058	1.112	466.343	1
7129_7129	7129	7129	29.958	-9.401	0.005	0.116	-0.68	174.201	1
7129_7130	7129	7130	29.461	-2.206	0.005	0.003	1.36	386.462	1
7130_7130	7130	7130	37.851	-14.256	0.049	0.063	-1.201	290.097	1
7130_7131	7130	7131	17.023	-3.526	0.016	0.046	0.682	149.746	1
7131_7131	7131	7131	45.556	-20.99	0.052	0.14	-0.796	433.892	1
7131_7132	7131	7132	16.616	-3.242	0.016	0.03	0.863	180.76	1
7132_7132	7132	7132	38.164	23.108	-0.079	0.007	1.511	348.69	1
7132_7133	7132	7133	65.456	-25.079	0.041	0.038	0.774	268.576	1
7133_7133	7133	7133	21.264	17.58	-0.065	-0.01	0.782	204.128	1
7133_7134	7133	7134	72.033	-26.64	0.053	0.001	0.873	341.168	1
7134_7134	7134	7134	9.952	14.597	-0.062	-0.052	0.417	132.832	1
7134_7135	7134	7135	75.563	-22.152	0.065	-0.083	1.286	385.712	1
7135_7135	7135	7135	5.601	-0.191	-0.018	-0.019	0.941	40.814	1
7135_7136	7135	7136	79.793	-21.836	-0.033	-0.065	0.951	434.01	1
7136_7136	7136	7136	5.742	-0.191	-0.018	-0.013	0.799	41.776	1
7136_7137	7136	7137	81.194	-16.939	-0.032	0.002	0.632	461.04	1
7137_7137	7137	7137	5.884	-0.194	-0.017	-0.012	0.639	40.97	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7137_7138	7137	7138	80.16	-11.639	-0.029	0.007	0.356	467.605	1
7138_7138	7138	7138	6.027	-0.213	-0.013	-0.023	0.505	41.947	1
7138_7139	7138	7139	81.876	-16.108	-0.009	-0.088	0.28	487.483	1
7139_7139	7139	7139	6.145	-0.213	-0.013	-0.014	0.426	42.752	1
7139_7140	7139	7140	82.231	-12.167	-0.007	0.011	0.238	495.999	1
7140_7140	7140	7140	6.263	-0.213	-0.013	-0.014	0.347	43.557	1
7140_7141	7140	7141	80.653	-17.923	0.012	0.033	0.376	491.374	1
7141_7141	7141	7141	6.381	-0.213	-0.013	-0.014	0.267	44.362	1
7141_7142	7141	7142	78.543	-14.267	0.016	0.035	0.498	472.806	1
7142_7142	7142	7142	6.499	-0.222	-0.013	-0.024	0.188	45.166	1
7142_7143	7142	7143	78.929	-16.893	0.017	-0.031	0.686	467.013	1
7143_7143	7143	7143	6.668	-0.23	-0.014	-0.018	0.069	48.1	1
7143_7144	7143	7144	76.879	-12.002	0.018	0.038	0.9	440.601	1
7144_7144	7144	7144	6.838	-0.23	-0.014	-0.018	-0.041	49.259	1
7144_7145	7144	7145	72.113	-7.594	0.021	0.04	1.149	393.648	1
7145_7145	7145	7145	7.009	-0.233	-0.029	-0.016	-0.15	50.417	1
7145_7146	7145	7146	68.254	-7.67	-0.014	0.041	1.12	351.567	1
7146_7146	7146	7146	8.764	-15.373	0.041	-0.006	0.521	139.748	1
7146_7147	7146	7147	62.101	-3.654	-0.005	-0.009	1.202	294.79	1
7147_7147	7147	7147	19.173	-18.526	0.045	0.042	0.697	218.487	1
7147_7148	7147	7148	53.636	-6.004	0.006	0.051	1.62	210.247	1
7148_7148	7148	7148	58.457	23.625	0.01	-0.142	-1.727	565.356	1
7148_7149	7148	7149	21.951	2.193	0	-0.043	0.035	128.642	1
7149_7149	7149	7149	51.885	18.773	0.002	-0.022	-1.557	376.3	1
7149_7150	7149	7150	26.12	-27.489	-0.006	0.043	1.187	424.698	1
7150_7150	7150	7150	45.41	13.325	0.002	-0.09	-1.357	248.811	1
7150_7151	7150	7151	46.028	-24.07	0.013	0.024	1.402	528.096	1
7151_7151	7151	7151	39.107	8.774	-0.005	-0.012	-0.847	146.052	1
7151_7152	7151	7152	65.612	-17.411	0.012	0.028	1.324	526.941	1
7152_7152	7152	7152	32.458	4.274	-0.01	0.024	1.304	264.375	1
7152_7153	7152	7153	73.61	-20.502	-0.013	0.04	1.228	566.305	1
7153_7153	7153	7153	32.192	4.202	-0.009	-0.006	1.005	229.484	1
7153_7154	7153	7154	81.876	-12.208	-0.01	-0.01	0.89	561.618	1
7154_7154	7154	7154	26.246	3.988	-0.006	-0.005	0.884	194.045	1
7154_7155	7154	7155	87.78	-15.398	-0.006	-0.002	0.836	596.482	1
7155_7155	7155	7155	21.746	3.925	-0.006	-0.005	0.812	166.105	1
7155_7156	7155	7156	87.434	-8.503	-0.005	0.001	0.789	594.162	1
7156_7156	7156	7156	17.328	3.799	-0.007	-0.006	0.731	137.453	1
7156_7157	7156	7157	90.833	-12.581	-0.002	0.017	0.775	612.727	1
7157_7157	7157	7157	13.451	3.669	-0.007	-0.014	0.644	111.606	1
7157_7158	7157	7158	88.259	-6.332	-0.002	-0.02	0.757	597.323	1
7158_7158	7158	7158	9.798	3.322	-0.006	-0.009	0.516	82.535	1
7158_7159	7158	7159	90.477	-21.078	0.003	0.021	0.778	610.559	1
7159_7159	7159	7159	11.848	-2.858	0.006	0.004	0.595	90.503	1
7159_7160	7159	7160	86.905	-15.17	0.002	-0.014	0.787	591.014	1
7160_7160	7160	7160	14.978	-3.181	0.007	0.007	0.702	116.824	1
7160_7161	7160	7161	87.051	-18.275	0.009	0.018	0.869	592.254	1
7161_7161	7161	7161	18.694	-3.356	0.006	-0.001	0.801	143.581	1
7161_7162	7161	7162	80.951	-11.989	0.008	-0.012	0.942	556.412	1
7162_7162	7162	7162	22.569	-3.682	0.008	-0.006	0.884	169.982	1
7162_7163	7162	7163	77.57	-13.128	0.01	-0.013	1.037	532.735	1
7163_7163	7163	7163	27.461	-6.666	0.002	0.025	-0.586	59.681	1
7163_7164	7163	7164	66.039	-8.676	0.014	0.015	1.192	509.628	1
7164_7164	7164	7164	33.343	-7.336	0.008	0.013	-0.656	95.069	1
7164_7165	7164	7165	53.707	-9.356	-0.012	-0.022	1.008	469.758	1
7165_7165	7165	7165	41.005	-8.421	0.005	0.061	-0.787	159.054	1
7165_7166	7165	7166	29.024	-3.033	-0.009	-0.028	0.935	390.023	1
7166_7166	7166	7166	48.873	-12.817	0.002	0.02	-1.057	260.429	1
7166_7167	7166	7167	24.512	-3.004	-0.001	0.02	0.085	146.556	1
7167_7167	7167	7167	56.032	-18.62	-0.004	0.109	-1.2	391.968	1
7167_7168	7167	7168	24.05	-2.581	-0.002	0.034	0.065	175.479	1
7168_7168	7168	7168	42.109	24.178	-0.035	-0.035	0.72	341.241	1
7168_7169	7168	7169	64.806	-30.389	0.005	-0.048	0.985	286.315	1
7169_7169	7169	7169	23.692	18.6	-0.027	0.002	0.47	211.265	1
7169_7170	7169	7170	72.182	-26.452	0.007	-0.004	0.72	338.516	1
7170_7170	7170	7170	10.555	16.071	-0.027	0	0.342	136.919	1
7170_7171	7170	7171	76.653	-22.187	0.011	-0.003	0.718	380.963	1
7171_7171	7171	7171	7.556	0.293	0.012	0.021	-0.052	55.299	1
7171_7172	7171	7172	81.962	-22.083	-0.012	0.003	0.561	427.531	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7172_7172	7172	7172	7.326	0.293	0.011	0.014	0.04	53.872	1
7172_7173	7172	7173	84.545	-17.349	-0.008	-0.05	0.444	455.499	1
7173_7173	7173	7173	7.101	0.285	0.011	0.02	0.14	50.648	1
7173_7174	7173	7174	84.664	-12.224	-0.006	0.012	0.349	464.692	1
7174_7174	7174	7174	6.878	0.267	0.011	0.017	0.227	49.258	1
7174_7175	7174	7175	86.937	-15.874	-0.009	0.013	0.273	483.24	1
7175_7175	7175	7175	6.721	0.267	0.011	0.009	0.291	48.285	1
7175_7176	7175	7176	88.527	-21.978	0.007	-0.054	0.244	490.77	1
7176_7176	7176	7176	6.564	0.267	0.011	0.017	0.355	47.312	1
7176_7177	7176	7177	88.137	-18.123	0.009	0.034	0.291	483.41	1
7177_7177	7177	7177	6.407	0.267	0.011	0.017	0.419	46.338	1
7177_7178	7177	7178	86.305	-14.54	0.011	0.036	0.369	465.214	1
7178_7178	7178	7178	6.251	0.243	0.012	0.015	0.483	45.364	1
7178_7179	7178	7179	86.752	-16.633	0.008	0.035	0.459	456.427	1
7179_7179	7179	7179	6.06	0.243	0.012	0.009	0.577	44.18	1
7179_7180	7179	7180	84.728	-11.909	0.012	-0.02	0.587	428.966	1
7180_7180	7180	7180	5.869	0.243	0.012	0.014	0.671	42.996	1
7180_7181	7180	7181	79.968	-7.651	0.012	0.038	0.735	382.911	1
7181_7181	7181	7181	5.679	0.208	0.013	0.009	0.765	41.812	1
7181_7182	7181	7182	75.963	-7.492	-0.008	0.022	0.728	340.642	1
7182_7182	7182	7182	11.99	-14.052	0.028	0.02	0.431	142.341	1
7182_7183	7182	7183	69.71	-3.667	-0.003	0.029	0.785	285.538	1
7183_7183	7183	7183	23.707	-18.7	0.031	-0.003	0.543	214.879	1
7183_7184	7183	7184	62.091	-6.231	0.009	0.012	1.202	201.745	1
7184_7184	7184	7184	59.094	29.736	0.008	-0.073	-1.274	599.483	1
7184_7185	7184	7185	15.107	2.917	-0.002	-0.02	0.082	105.962	1
7185_7185	7185	7185	50.613	21.466	0.002	-0.056	-1.12	392.953	1
7185_7186	7185	7186	31.418	-28.939	-0.004	0.015	0.889	385.497	1
7186_7186	7186	7186	41.8	16.23	-0.003	-0.057	-0.997	246.869	1
7186_7187	7186	7187	54.799	-25.373	0.013	0.073	1.073	495.859	1
7187_7187	7187	7187	35.225	4.001	-0.004	-0.001	1.142	266.096	1
7187_7188	7187	7188	74.405	-18.933	0.011	-0.003	1.132	525.447	1
7188_7188	7188	7188	34.08	3.505	-0.006	0.02	1.11	229.979	1
7188_7189	7188	7189	84.388	-21.217	-0.006	0.034	1.091	572.295	1
7189_7189	7189	7189	32.561	3.566	-0.006	-0.007	0.962	214.707	1
7189_7190	7189	7190	92.079	-13.233	-0.004	-0.014	0.95	618.563	1
7190_7190	7190	7190	27.601	3.312	-0.006	-0.005	0.885	183.102	1
7190_7191	7190	7191	99.361	-15.676	-0.006	-0.003	0.898	661.998	1
7191_7191	7191	7191	23.943	3.231	-0.006	-0.006	0.819	158.127	1
7191_7192	7191	7192	100.591	-9.025	-0.004	0	0.862	668.111	1
7192_7192	7192	7192	20.344	3.086	-0.006	-0.011	0.746	133.793	1
7192_7193	7192	7193	104.766	-23.846	0.004	0.004	0.901	689.453	1
7193_7193	7193	7193	17.237	3.009	-0.006	-0.011	0.673	112.738	1
7193_7194	7193	7194	103.266	-18.072	0.006	0.008	0.946	680.635	1
7194_7194	7194	7194	16.727	-3.076	0.007	0.005	0.692	101.507	1
7194_7195	7194	7195	105.5	-21.387	0.004	-0.024	0.971	694.378	1
7195_7195	7195	7195	19.935	-3.192	0.008	0.013	0.787	123.905	1
7195_7196	7195	7196	102.11	-15.738	0.007	0.025	1.021	674.729	1
7196_7196	7196	7196	23.279	-3.478	0.008	0.002	0.89	149.485	1
7196_7197	7196	7197	101.643	-18.256	0.011	-0.002	1.117	672.186	1
7197_7197	7197	7197	27.202	-3.598	0.008	0.001	0.989	176.884	1
7197_7198	7197	7198	95.257	-12.255	0.013	0.001	1.222	633.198	1
7198_7198	7198	7198	31.255	-3.999	0.008	-0.01	1.079	202.454	1
7198_7199	7198	7199	90.544	-12.91	0.008	-0.019	1.261	601.513	1
7199_7199	7199	7199	35.988	-4.021	0.008	-0.006	1.249	232.924	1
7199_7200	7199	7200	79.365	-8.553	0.01	0.012	1.373	545.399	1
7200_7200	7200	7200	38.488	-4.452	0.006	-0.003	1.319	253.93	1
7200_7201	7200	7201	64.753	-8.506	-0.008	0.007	1.205	497.644	1
7201_7201	7201	7201	36.381	-4.543	0.009	-0.112	2.131	311.672	1
7201_7202	7201	7202	36.406	-2.545	-0.011	-0.099	1.552	424.244	1
7202_7202	7202	7202	42.627	-14.929	0.002	0.089	-2.128	265.382	1
7202_7203	7202	7203	18.179	0.114	0	-0.024	1.423	295.396	1
7203_7203	7203	7203	51.106	-21.586	-0.004	0.126	-2.311	415.582	1
7203_7204	7203	7204	15.199	-2.631	0	0.038	-0.142	131.973	1
7204_7204	7204	7204	43.744	-25.143	-0.044	-0.008	1.191	368.427	1
7204_7205	7204	7205	71.966	-29.726	-0.007	-0.018	1.565	318.483	1
7205_7205	7205	7205	25.517	20.753	-0.041	-0.028	0.904	236.67	1
7205_7206	7205	7206	78.277	-26.126	0.004	-0.049	1.172	378.19	1
7206_7206	7206	7206	12.311	15.982	-0.041	-0.01	0.86	163.479	1

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7206_7207	7206	7207	82.072	-22.223	0.008	0.004	1.065	421.176	1
7207_7207	7207	7207	5.262	0.61	-0.025	-0.024	0.94	52.176	1
7207_7208	7207	7208	86.533	-21.834	-0.013	-0.005	0.824	467.534	1
7208_7208	7208	7208	4.803	0.608	-0.024	-0.024	0.74	48.905	1
7208_7209	7208	7209	88.726	-17.443	-0.008	0.006	0.656	497.158	1
7209_7209	7209	7209	4.344	0.608	-0.025	-0.03	0.545	45.847	1
7209_7210	7209	7210	88.93	-12.68	-0.002	-0.049	0.569	510.102	1
7210_7210	7210	7210	4.407	-0.555	0.024	0.027	0.24	49.727	1
7210_7211	7210	7211	90.746	-15.363	-0.016	0.007	0.442	528.724	1
7211_7211	7211	7211	4.721	-0.555	0.024	0.027	0.385	51.802	1
7211_7212	7211	7212	91.6	-22.742	0.01	0.039	0.423	540.354	1
7212_7212	7212	7212	5.035	-0.555	0.024	0.018	0.531	53.877	1
7212_7213	7212	7213	91.344	-19.104	0.017	-0.046	0.529	534.898	1
7213_7213	7213	7213	5.353	-0.562	0.025	0.028	0.68	57.075	1
7213_7214	7213	7214	89.844	-15.704	0.02	0.05	0.683	519.169	1
7214_7214	7214	7214	5.671	-0.558	0.029	0.023	0.841	60.597	1
7214_7215	7214	7215	89.953	-16.931	0.009	0.033	0.823	509.467	1
7215_7215	7215	7215	6.093	-0.558	0.029	0.023	1.07	63.379	1
7215_7216	7215	7216	88.043	-12.531	0.014	0.042	1.032	483	1
7216_7216	7216	7216	6.522	-0.574	0.029	0.015	1.341	68.812	1
7216_7217	7216	7217	83.8	-8.55	0.021	-0.01	1.318	439.439	1
7217_7217	7217	7217	6.956	-0.587	0.022	-0.02	1.577	71.669	1
7217_7218	7217	7218	80.041	-8.076	-0.002	-0.082	1.449	398.084	1
7218_7218	7218	7218	11.942	-15.871	0.023	-0.078	0.89	165.037	1
7218_7219	7218	7219	74.373	-4.546	0.002	-0.103	1.636	345.137	1
7219_7219	7219	7219	24.064	-19.854	0.033	0.208	0.801	236.386	1
7219_7220	7219	7220	66.984	-7.468	-0.007	0.21	2.024	256.582	1
7220_7220	7220	7220	57.578	28.197	0.025	-0.22	-2.487	550.726	1
7220_7221	7220	7221	19.288	-34.506	0.003	0.006	1.52	338.945	1
7221_7221	7221	7221	48.299	20.483	0.014	0.017	-2.077	339.471	1
7221_7222	7221	7222	40.024	-29.001	-0.002	0.085	1.693	469.507	1
7222_7222	7222	7222	43.938	5.509	-0.013	0.024	2.737	432.645	1
7222_7223	7222	7223	64.554	-25.454	0.011	-0.033	1.938	582.233	1
7223_7223	7223	7223	50.349	5.386	-0.008	0.052	1.663	348.922	1
7223_7224	7223	7224	89.073	-19.498	0.01	0.069	1.423	598.071	1
7224_7224	7224	7224	48.531	5.063	-0.014	-0.044	1.584	302.246	1
7224_7225	7224	7225	99.421	-20.88	-0.011	-0.125	1.367	645.266	1
7225_7225	7225	7225	43.18	5.213	-0.014	0.038	1.548	292.81	1
7225_7226	7225	7226	100.401	-12.737	-0.006	0.09	1.368	729.827	1
7226_7226	7226	7226	35.804	4.931	-0.014	-0.062	1.343	242.069	1
7226_7227	7226	7227	106.077	-13.962	-0.014	-0.18	1.226	769.559	1
7227_7227	7227	7227	30.342	4.829	-0.014	0.024	1.167	203.843	1
7227_7228	7227	7228	105.886	-7.415	-0.009	0.135	1.12	770.023	1
7228_7228	7228	7228	25.013	4.657	-0.015	-0.064	0.989	166.862	1
7228_7229	7228	7229	107.49	-21.534	-0.005	-0.223	0.987	781.359	1
7229_7229	7229	7229	23.172	-3.923	0.002	0.039	0.717	156.523	1
7229_7230	7229	7230	102.457	-15.385	0	0.15	0.945	748.092	1
7230_7230	7230	7230	27.683	-4.352	0.007	-0.074	0.768	193.119	1
7230_7231	7230	7231	99.736	-16.274	0.008	-0.205	0.984	727.807	1
7231_7231	7231	7231	32.824	-4.483	0.008	0.038	0.865	229.918	1
7231_7232	7231	7232	91.161	-10.361	0.013	0.121	1.095	667.764	1
7232_7232	7232	7232	38.116	-5.002	0	-0.104	0.973	266.635	1
7232_7233	7232	7233	89.644	-14.62	-0.022	-0.208	1.016	656.42	1
7233_7233	7233	7233	39.484	-4.929	0.001	-0.048	1.526	276.743	1
7233_7234	7233	7234	84.661	-11.589	-0.029	-0.075	1.381	633.254	1
7234_7234	7234	7234	41.886	-4.894	0.001	-0.032	1.536	298.767	1
7234_7235	7234	7235	73.088	-7.582	-0.022	-0.022	1.162	583.337	1
7235_7235	7235	7235	43.667	-4.81	0.002	-0.006	1.547	328.825	1
7235_7236	7235	7236	63.364	-5.126	-0.015	0.037	1.085	542.119	1
7236_7236	7236	7236	37.17	-5.274	-0.019	-0.175	2.446	384.26	1
7236_7237	7236	7237	37.114	-3.785	-0.047	-0.159	1.277	512.039	1
7237_7237	7237	7237	43.63	-17.765	0.005	0.187	-1.126	271.045	1
7237_7238	7237	7238	23.542	-0.343	-0.05	0.067	0.754	412.083	1
7238_7238	7238	7238	51.719	-17.181	-0.056	-0.087	-1.242	410.694	1
7238_7239	7238	7239	16.676	-6.84	0.106	0.003	1.637	357.034	1
7239_7239	7239	7239	55.746	-19.491	-0.071	0.19	-1.87	540.964	1
7239_7240	7239	7240	15.762	-4.353	0.015	0.067	0.663	173.821	1
7240_7240	7240	7240	25.745	18.962	-0.05	-0.09	0.983	350.945	1
7240_7241	7240	7241	82.282	-23.981	-0.065	-0.411	2.978	432.214	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7241_7241	7241	7241	15.409	16.874	-0.041	0.058	0.808	265	1
7241_7242	7241	7242	84.069	-19.452	-0.059	-0.144	1.92	461.46	1
7242_7242	7242	7242	5.948	0.836	-0.004	-0.063	-0.801	-22.138	1
7242_7243	7242	7243	82.41	-14.981	-0.052	0.005	1.331	468.589	1
7243_7243	7243	7243	5.378	0.689	0.016	-0.028	-0.833	-25.398	1
7243_7244	7243	7244	87.309	-21.841	-0.031	-0.191	0.929	530.696	1
7244_7244	7244	7244	4.801	0.673	0.014	-0.04	-0.662	-29.176	1
7244_7245	7244	7245	90.08	-16.922	-0.037	0.026	0.445	569.96	1
7245_7245	7245	7245	4.499	0.351	-0.03	-0.054	0.097	55.141	1
7245_7246	7245	7246	92.777	-14.092	0.026	-0.149	0.612	603.977	1
7246_7246	7246	7246	4.193	0.351	-0.029	-0.03	-0.211	52.728	1
7246_7247	7246	7247	94.116	-20.613	0.031	0.115	0.839	610.082	1
7247_7247	7247	7247	3.92	0.279	-0.035	-0.061	-0.478	50.552	1
7247_7248	7247	7248	95.245	-19.128	-0.001	-0.226	0.841	605.972	1
7248_7248	7248	7248	3.813	-0.61	0.044	0.069	1.124	71.186	1
7248_7249	7248	7249	93.499	-13.756	-0.003	0.174	0.92	572.007	1
7249_7249	7249	7249	4.331	-0.615	0.073	0.01	1.578	75.322	1
7249_7250	7249	7250	91.469	-11.623	0.079	-0.092	1.927	531.792	1
7250_7250	7250	7250	4.848	-0.615	0.075	0.048	2.309	79.404	1
7250_7251	7250	7251	86.83	-7.328	0.072	0.138	2.875	470.727	1
7251_7251	7251	7251	5.37	-0.684	-0.09	-0.202	3.033	83.303	1
7251_7252	7251	7252	88.499	-14.906	-0.046	-0.209	2.688	463.896	1
7252_7252	7252	7252	12.986	-14.747	-0.051	-0.074	0.725	242.724	1
7252_7253	7252	7253	88.24	-10.198	-0.058	0.106	2.174	432.292	1
7253_7253	7253	7253	56.648	17.64	0.053	-0.445	-2.686	637.046	1
7253_7254	7253	7254	18.6	3.846	0.066	-0.312	-0.666	133.654	1
7254_7254	7254	7254	55.758	20.288	-0.073	-0.217	-2.279	540.316	1
7254_7255	7254	7255	28.623	-27.486	0.073	0.015	2.41	453.849	1
7255_7255	7255	7255	50.544	15.981	-0.068	0.026	-2.873	377.356	1
7255_7256	7255	7256	40.035	-22.583	0.083	0.136	3.509	505.526	1
7256_7256	7256	7256	44.789	20.292	0.023	-0.16	-3.387	263.468	1
7256_7257	7256	7257	55.56	-29.019	-0.04	-0.084	3.436	593.195	1
7257_7257	7257	7257	49.444	5.152	0.004	0.037	2.431	365.257	1
7257_7258	7257	7258	79.054	-25.984	-0.026	0.038	2.076	586.293	1
7258_7258	7258	7258	48.947	5.292	0.004	0.042	2.459	337.468	1
7258_7259	7258	7259	86.58	-23.515	-0.026	0.066	1.991	615.837	1
7259_7259	7259	7259	47.708	5.056	-0.026	-0.049	2.488	317.649	1
7259_7260	7259	7260	96.964	-23.288	-0.013	-0.128	1.954	669.503	1
7260_7260	7260	7260	46.171	5.17	-0.019	0	1.686	273.433	1
7260_7261	7260	7261	107.614	-18.87	-0.008	0.014	1.404	671.027	1
7261_7261	7261	7261	41.668	5.119	-0.018	0.026	1.529	246.654	1
7261_7262	7261	7262	110.94	-14.82	-0.007	0.078	1.361	693.539	1
7262_7262	7262	7262	37.501	4.886	-0.014	-0.037	1.38	222.147	1
7262_7263	7262	7263	117.956	-14.752	-0.015	-0.09	1.201	737.686	1
7263_7263	7263	7263	31.809	4.842	-0.014	0	1.212	188.843	1
7263_7264	7263	7264	118.466	-8.675	-0.013	0.05	1.026	744.373	1
7264_7264	7264	7264	26.289	4.612	-0.011	-0.043	1.041	154.661	1
7264_7265	7264	7265	120.244	-9.093	-0.006	-0.148	0.917	757.756	1
7265_7265	7265	7265	23.483	-4.825	0	0.014	0.614	161.486	1
7265_7266	7265	7266	115.172	-16.34	0.001	0.088	0.743	734.956	1
7266_7266	7266	7266	29.083	-5.136	0.003	-0.061	0.614	195.291	1
7266_7267	7266	7267	112.125	-16.719	-0.005	-0.133	0.605	716.977	1
7267_7267	7267	7267	35.114	-5.212	0.004	0.003	0.645	230.943	1
7267_7268	7267	7268	103.416	-11.281	0	0.05	0.539	664.957	1
7268_7268	7268	7268	41.279	-5.761	-0.007	-0.113	0.689	267.805	1
7268_7269	7268	7269	101.154	-14.374	-0.038	-0.218	0.37	650.824	1
7269_7269	7269	7269	40.722	-5.725	-0.008	-0.077	0.886	306.255	1
7269_7270	7269	7270	84.148	-9.83	-0.044	-0.111	0.014	659.814	1
7270_7270	7270	7270	44.676	-5.608	-0.006	0.003	0.808	343.144	1
7270_7271	7270	7271	66.687	-5.482	-0.036	0.06	-0.362	587.39	1
7271_7271	7271	7271	39.74	-6.176	-0.077	-0.271	1.16	422.415	1
7271_7272	7271	7272	38.058	-3.778	-0.09	-0.268	-1.553	541.538	1
7272_7272	7272	7272	44.563	-20.173	0.087	0.171	1.124	280.542	1
7272_7273	7272	7273	19.856	0.265	-0.063	0.138	-1.971	404.527	1
7273_7273	7273	7273	55.731	-18.268	-0.422	0.118	2.78	476.325	1
7273_7274	7273	7274	17.261	-10.456	0.295	-0.082	-0.044	381.486	1
7274_7274	7274	7274	57.946	-19.054	-0.443	0.403	0.485	550.676	1
7274_7275	7274	7275	14.112	-3.43	-0.019	0.036	-0.068	156.357	1
7275_7275	7275	7275	21.467	15.694	0.096	0.414	1.306	324.333	1

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7275_7276	7275	7276	85.327	-16.218	0.27	0.401	4.07	450.743	1
7276_7276	7276	7276	14.429	15.301	-0.076	-0.113	2.092	277.647	1
7276_7277	7276	7277	86.881	-23.59	-0.112	-0.253	3.386	473.622	1
7277_7277	7277	7277	10.842	13.898	-0.071	-0.033	1.8	239.285	1
7277_7278	7277	7278	88.635	-18.214	-0.086	-0.101	1.661	497.881	1
7278_7278	7278	7278	4.498	0.671	-0.007	-0.038	0.048	-19.568	1
7278_7279	7278	7279	85.848	-13.095	-0.073	0.114	0.673	495.893	1
7279_7279	7279	7279	3.966	0.753	-0.008	-0.017	-0.031	-22.933	1
7279_7280	7279	7280	87.408	-16.019	0.034	-0.229	0.894	527.694	1
7280_7280	7280	7280	3.219	0.726	-0.01	-0.035	-0.128	-27.456	1
7280_7281	7280	7281	84.625	-8.835	0.026	0.124	1.014	518.879	1
7281_7281	7281	7281	4.165	0.616	0.018	-0.006	-0.771	-42.901	1
7281_7282	7281	7282	75.307	-20.84	0	-0.202	0.931	569.129	1
7282_7282	7282	7282	3.648	0.592	0.012	-0.042	-0.541	-46.508	1
7282_7283	7282	7283	75.099	-14.51	0.004	0.182	0.579	534.235	1
7283_7283	7283	7283	3.176	0.642	-0.064	0.018	-0.409	-51.439	1
7283_7284	7283	7284	79.976	-17.99	0.175	-0.279	2.289	545.341	1
7284_7284	7284	7284	2.722	0.607	-0.071	-0.041	-1.026	-53.149	1
7284_7285	7284	7285	81.947	-18.46	0.193	0.23	4.562	498.492	1
7285_7285	7285	7285	2.326	0.532	-0.051	0.051	-1.641	-54.729	1
7285_7286	7285	7286	86.27	-22.444	-0.115	-0.264	3.993	510.412	1
7286_7286	7286	7286	2.032	0.518	-0.052	0.024	-1.983	-55.91	1
7286_7287	7286	7287	88.137	-18.922	-0.141	-0.05	3.189	503.346	1
7287_7287	7287	7287	6.706	-14.936	0.051	0.142	1.324	297.169	1
7287_7288	7287	7288	88.961	-15.624	-0.178	0.209	2.018	489.598	1
7288_7288	7288	7288	31.072	8.865	0.068	-0.099	3.203	768.237	1
7288_7289	7288	7289	22.366	-27.596	0.147	-0.074	2.609	526.323	1
7289_7289	7289	7289	33.374	8.696	0.068	0.502	4.086	669.452	1
7289_7290	7289	7290	33.654	-22.136	0.157	0.377	4.661	618.36	1
7290_7290	7290	7290	34.676	6.615	0.039	-0.108	4.882	586.677	1
7290_7291	7290	7291	42.672	-25.516	0.002	-0.172	4.951	696.634	1
7291_7291	7291	7291	35.25	6.551	0.04	-0.056	5.218	544.128	1
7291_7292	7291	7292	51.734	-20.906	0.017	-0.119	5.415	766.265	1
7292_7292	7292	7292	40.509	6.506	0.029	0.267	3.744	459.987	1
7292_7293	7292	7293	64.361	-18.508	0.017	0.403	3.811	729.989	1
7293_7293	7293	7293	39.33	4.517	-0.029	-0.145	3.888	439.331	1
7293_7294	7293	7294	72.72	-39.426	-0.06	-0.288	3.849	815.718	1
7294_7294	7294	7294	37.511	4.541	-0.028	-0.018	3.681	416.5	1
7294_7295	7294	7295	80.565	-34.71	-0.054	-0.048	3.382	898.196	1
7295_7295	7295	7295	29.885	4.505	-0.042	0.238	5.314	417.462	1
7295_7296	7295	7296	72.823	-31.212	-0.071	0.477	4.705	1018.838	1
7296_7296	7296	7296	28.128	3.951	-0.05	-0.176	5.015	394.095	1
7296_7297	7296	7297	80.57	-32.782	-0.065	-0.484	4.089	1121.786	1
7297_7297	7297	7297	25.73	3.92	-0.049	0.102	4.489	361.475	1
7297_7298	7297	7298	84.449	-26.789	-0.067	0.311	3.303	1173.168	1
7298_7298	7298	7298	23.263	3.429	-0.05	-0.217	3.954	327.697	1
7298_7299	7298	7299	89.887	-29.814	-0.045	-0.775	2.683	1245.257	1
7299_7299	7299	7299	21.13	3.426	-0.048	0.102	3.394	299.217	1
7299_7300	7299	7300	91.302	-23.421	-0.039	0.453	2.038	1263.754	1
7300_7300	7300	7300	18.748	3.091	-0.05	-0.17	2.791	266.816	1
7300_7301	7300	7301	94.731	-12.455	-0.061	-0.693	1.421	1309.705	1
7301_7301	7301	7301	16.668	3.065	-0.048	0.056	2.197	237.94	1
7301_7302	7301	7302	94.274	-6.483	-0.055	0.521	0.688	1303.333	1
7302_7302	7302	7302	14.693	2.882	-0.043	-0.163	1.64	210.974	1
7302_7303	7302	7303	96.118	-9.981	-0.034	-0.767	0.166	1327.412	1
7303_7303	7303	7303	12.662	2.863	-0.042	0.037	1.094	183.004	1
7303_7304	7303	7304	93.628	-4.318	-0.027	0.646	-0.183	1293.671	1
7304_7304	7304	7304	10.92	2.699	-0.024	-0.147	0.643	158.254	1
7304_7305	7304	7305	93.312	-8.274	-0.016	-0.769	-0.38	1288.383	1
7305_7305	7305	7305	9.201	2.646	-0.022	-0.007	0.386	133.128	1
7305_7306	7305	7306	87.847	-1.706	-0.009	0.533	-0.47	1213.813	1
7306_7306	7306	7306	7.419	2.458	0.001	-0.127	0.124	107.611	1
7306_7307	7306	7307	83.025	-3.897	0.011	-0.731	-0.272	1146.778	1
7307_7307	7307	7307	5.845	2.329	0	-0.025	0.141	82.504	1
7307_7308	7307	7308	71.643	3.422	0.014	0.548	-0.061	991.001	1
7308_7308	7308	7308	4.364	2.202	-0.093	-0.097	0.109	57.952	1
7308_7309	7308	7309	56.64	9.615	-0.064	-0.55	-0.814	788.799	1
7309_7309	7309	7309	2.982	1.95	-0.041	-0.045	-0.407	35.226	1
7309_7310	7309	7310	34.53	18.099	-0.047	0.347	-1.195	487.337	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7310_7310	7310	7310	2.567	-2.558	-0.844	-0.04	11.285	-10.103	1
7310_7311	7310	7311	2.322	-2.425	-0.602	0.01	0	7.217	1
7400_7020	7400	7020	65.858	-6.887	2.134	-0.022	11.98	-74.867	1
7400_7401	7400	7401	12.469	0.765	0.854	0.028	-7.512	62.415	1
7401_7401	7401	7401	65.823	-5.558	-1.175	0.39	20.037	-46.693	1
7401_7402	7401	7402	12.447	0.806	0.559	-0.214	-5.428	59.598	1
7402_7402	7402	7402	65.935	-3.978	-1.305	-0.047	15.925	-27.308	1
7402_7403	7402	7403	12.425	1.105	0.534	0.036	0.434	47.532	1
7403_7403	7403	7403	60.225	-1.999	-0.036	0.079	1.748	16.142	1
7403_7404	7403	7404	12.788	1.531	-0.021	-0.041	0.24	37.118	1
7404_7404	7404	7404	60.256	-0.597	-0.073	0.063	1.495	30.552	1
7404_7405	7404	7405	12.749	1.828	-0.029	-0.023	0.038	23.933	1
7405_7405	7405	7405	56.392	1.155	-0.082	0.076	1.141	34.853	1
7405_7406	7405	7406	13.098	2.311	0.034	-0.035	0.449	-9.25	1
7406_7406	7406	7406	53.498	2.914	0.674	0.124	0.177	18.214	1
7406_7407	7406	7407	13.487	2.812	-0.749	-0.081	-6.28	-34.211	1
7407_7407	7407	7407	53.426	4.034	0.669	-0.005	6.147	-7.603	1
7407_7408	7407	7408	13.425	3.094	-0.751	0.048	-10.452	-51.402	1
7408_7408	7408	7408	54.841	-4.703	1.969	-0.569	-11.964	-75.019	1
7408_7409	7408	7409	14.243	0.122	0.572	-0.831	-9.179	-51.765	1
7409_7409	7409	7409	55.051	5.558	1.581	0.502	-6.004	-60.519	1
7409_7410	7409	7410	14.347	0.191	0.007	0.78	-9.143	-51.983	1
7410_7410	7410	7410	57.813	-5.779	0.128	-0.075	-1.144	-67.677	1
7410_7411	7410	7411	14.677	-2.884	0.637	-0.088	-5.226	-35.827	1
7411_7411	7411	7411	57.922	-4.568	0.108	-0.078	-0.428	-35.572	1
7411_7412	7411	7412	14.734	-2.577	0.632	0.009	0.374	-13.003	1
7412_7412	7412	7412	61.575	-2.679	0.054	-0.074	0.371	4.891	1
7412_7413	7412	7413	15.414	-2.051	-0.012	-0.024	0.225	16.676	1
7413_7413	7413	7413	66.283	-0.834	-0.012	-0.04	1.009	43.49	1
7413_7414	7413	7414	16.141	-1.534	-0.048	-0.016	-0.102	27.714	1
7414_7414	7414	7414	66.285	0.68	0.043	-0.101	0.938	49.506	1
7414_7415	7414	7415	16.172	-1.165	-0.034	-0.036	-0.341	36.106	1
7415_7415	7415	7415	72.911	2.716	1.724	0.054	1.187	44.611	1
7415_7416	7415	7416	17.006	-0.689	1.067	0.042	11.315	43.47	1
7416_7416	7416	7416	72.825	4.445	1.78	-0.433	20.016	14.939	1
7416_7417	7416	7417	17.017	-0.285	1.081	-0.261	15.089	44.463	1
7417_7417	7417	7417	72.894	5.652	-1.343	0.049	27.131	-0.546	1
7417_7036	7417	7036	17.053	-0.269	0.51	0.036	17.695	45.56	1
7420_7056	7420	7056	70.477	-5.902	1.702	-0.041	13.269	-40.913	1
7420_7421	7420	7421	17.02	-0.05	-0.784	-0.027	8.362	30.498	1
7421_7421	7421	7421	70.384	-4.713	-1.34	0.327	19.247	-16.743	1
7421_7422	7421	7422	16.966	-0.072	-0.604	0.118	5.89	30.746	1
7422_7422	7422	7422	70.476	-3.024	-1.388	-0.023	14.577	-0.309	1
7422_7423	7422	7423	16.962	0.335	-0.616	-0.002	-0.825	27.092	1
7423_7423	7423	7423	63.285	-1.168	0.108	0.056	-0.498	32.708	1
7423_7424	7423	7424	15.71	0.758	0.075	0.011	-0.278	21.895	1
7424_7424	7424	7424	63.295	0.332	0.059	0.081	0.293	41.137	1
7424_7425	7424	7425	15.687	1.13	0.062	0.034	0.177	13.747	1
7425_7425	7425	7425	58.25	1.963	-0.073	0.073	0.824	38.741	1
7425_7426	7425	7426	14.523	1.576	0.022	0.02	0.472	-8.959	1
7426_7426	7426	7426	54.287	3.692	0.36	0.105	-0.11	10.445	1
7426_7427	7426	7427	13.43	2.019	-0.33	0.012	-2.464	-26.833	1
7427_7427	7427	7427	54.201	4.799	0.313	0.024	3.069	-22.243	1
7427_7428	7427	7428	13.386	2.292	-0.342	0.04	-4.378	-39.576	1
7428_7428	7428	7428	51.162	-6.062	-1.534	0.074	5.231	-50.069	1
7428_7429	7428	7429	12.644	-0.414	-0.146	-0.542	-5.101	-38.493	1
7429_7429	7429	7429	50.991	5.284	-1.489	-0.011	0.57	-31.802	1
7429_7430	7429	7430	12.606	0.193	-0.474	0.578	-6.541	-38.993	1
7430_7430	7430	7430	53.608	-4.531	0.033	-0.05	0.507	-44.012	1
7430_7431	7430	7431	12.389	-2.17	0.544	-0.054	-4.029	-25.295	1
7431_7431	7431	7431	53.69	-3.439	-0.045	-0.091	0.698	-18.823	1
7431_7432	7431	7432	12.431	-1.918	0.525	-0.007	0.636	-8.318	1
7432_7432	7432	7432	57.406	-1.71	0.046	-0.074	0.163	11.624	1
7432_7433	7432	7433	12.91	-1.482	-0.035	-0.022	0.159	13.088	1
7433_7433	7433	7433	62.16	-0.104	-0.074	-0.078	0.728	36.279	1
7433_7434	7433	7434	13.435	-1.056	-0.076	-0.034	-0.34	20.632	1
7434_7434	7434	7434	62.145	1.368	-0.108	-0.063	0.183	37.03	1
7434_7435	7434	7435	13.456	-0.737	-0.083	-0.014	-0.944	25.948	1
7435_7435	7435	7435	69.005	3.208	1.52	0.03	-0.665	27.165	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7435_7436	7435	7436	14.082	-0.345	0.867	0.01	8.544	29.397	1
7436_7436	7436	7436	68.911	4.842	1.419	-0.359	15.936	-7.868	1
7436_7437	7436	7437	14.088	-0.012	0.846	-0.148	11.478	29.442	1
7437_7437	7437	7437	68.997	6.017	-1.605	0.046	21.974	-24.743	1
7437_7072	7437	7072	14.123	-0.009	0.216	0.034	12.96	29.478	1
7440_7094	7440	7094	67.893	-5.849	1.611	-0.048	10.704	-46.118	1
7440_7441	7440	7441	15.264	0.023	-0.442	-0.033	8.727	32.193	1
7441_7441	7441	7441	67.78	-4.695	-1.17	0.301	16.252	-22.152	1
7441_7442	7441	7442	15.214	0.022	-0.628	0.139	6.025	32.118	1
7442_7442	7442	7442	67.873	-3.051	-1.188	0.004	12.17	-5.767	1
7442_7443	7442	7443	15.209	0.39	-0.632	0.001	-0.865	27.857	1
7443_7443	7443	7443	61.112	-1.28	0.084	0.09	-0.664	27.537	1
7443_7444	7443	7444	14.436	0.808	0.069	0.028	-0.339	22.41	1
7444_7444	7444	7444	61.125	0.168	0.101	0.081	-0.061	36.765	1
7444_7445	7444	7445	14.413	1.15	0.073	0.03	0.185	14.122	1
7445_7445	7445	7445	56.483	1.699	-0.07	0.09	0.794	35.549	1
7445_7446	7445	7446	13.719	1.593	0.025	0.026	0.53	-8.802	1
7446_7446	7446	7446	52.822	3.403	0.23	0.122	-0.077	11.041	1
7446_7447	7446	7447	13.089	2.056	-0.364	0.03	-2.682	-27.043	1
7447_7447	7447	7447	52.743	4.466	0.112	0.042	1.938	-19.071	1
7447_7448	7447	7448	13.044	2.319	-0.394	0.027	-4.9	-39.932	1
7448_7448	7448	7448	49.907	-6.119	-1.535	-0.211	3.018	-44.97	1
7448_7449	7448	7449	12.747	-0.379	-0.075	-0.837	-5.445	-38.957	1
7449_7449	7449	7449	49.719	5.293	-1.484	0.268	-1.637	-26.541	1
7449_7450	7449	7450	12.705	0.183	-0.426	0.883	-6.744	-39.49	1
7450_7450	7450	7450	51.01	-4.334	-0.301	-0.064	4.126	-43.392	1
7450_7451	7450	7451	12	-2.455	0.486	-0.014	-3.61	-25.855	1
7451_7451	7451	7451	51.087	-3.308	-0.283	-0.107	2.447	-19.295	1
7451_7452	7451	7452	12.046	-2.213	0.49	0.067	0.724	-6.271	1
7452_7452	7452	7452	54.737	-1.67	0.064	-0.088	-0.224	9.973	1
7452_7453	7452	7453	11.686	-1.756	-0.064	0.038	-0.132	19.101	1
7453_7453	7453	7453	59.375	-0.211	-0.067	-0.087	0.553	34.065	1
7453_7454	7453	7454	11.373	-1.332	0.043	0.034	0.256	28.586	1
7454_7454	7454	7454	59.364	1.196	-0.082	-0.08	0.064	35.583	1
7454_7455	7454	7455	11.401	-1.063	0.04	0.035	0.546	36.246	1
7455_7455	7455	7455	66.093	2.906	1.078	-0.01	-0.671	26.959	1
7455_7456	7455	7456	11.668	-0.302	0.351	-0.008	3.313	23.914	1
7456_7456	7456	7456	66.009	4.441	1.022	-0.272	11.1	-4.785	1
7456_7457	7456	7457	11.673	-0.031	0.341	-0.064	4.492	24.023	1
7457_7457	7457	7457	66.124	5.633	-1.387	0.04	15.594	-20.232	1
7457_7110	7457	7110	11.713	-0.042	0.499	0.02	6.813	24.193	1
7460_7132	7460	7132	77.111	-10.042	1.09	-0.037	9.217	-66.655	1
7460_7461	7460	7461	18.406	-1.152	-0.191	-0.024	8.102	34.569	1
7461_7461	7461	7461	77.322	-5.597	-1.045	0.239	13.632	-17.435	1
7461_7462	7461	7462	18.385	-0.337	-0.589	0.152	5.516	35.743	1
7462_7462	7462	7462	77.435	-3.74	-0.975	-0.002	9.99	2.092	1
7462_7463	7462	7463	18.389	0.105	-0.572	-0.013	-0.741	34.601	1
7463_7463	7463	7463	71.955	-1.799	0.037	0.098	-0.646	42.937	1
7463_7464	7463	7464	17.998	0.647	0.059	0.036	-0.381	30.103	1
7464_7464	7464	7464	71.977	-0.093	0.14	0.027	-0.405	55.9	1
7464_7465	7464	7465	17.977	1.073	0.086	0.002	0.221	22.372	1
7465_7465	7465	7465	68.657	1.623	-0.016	0.065	0.638	56.562	1
7465_7466	7465	7466	17.659	1.634	0.013	0.014	0.335	-1.173	1
7466_7466	7466	7466	66.553	3.582	-0.263	0.052	0.507	32.744	1
7466_7467	7466	7467	17.404	2.217	-0.168	-0.003	-1.204	-20.893	1
7467_7467	7467	7467	66.466	4.898	-0.198	0.088	-1.813	1.907	1
7467_7468	7467	7468	17.355	2.574	-0.15	0.041	-2.031	-35.199	1
7468_7468	7468	7468	65.157	-9.099	-0.24	-0.105	-3.042	-26.485	1
7468_7469	7468	7469	17.415	-1.147	0.502	-0.326	-0.662	-31.739	1
7469_7469	7469	7469	60.977	9.123	0.331	-0.056	-3.085	17.451	1
7469_7470	7469	7470	16.668	1.587	-0.344	0.227	-1.498	-19.524	1
7470_7470	7470	7470	62.549	-4.042	0.164	-0.077	-2.044	-10.125	1
7470_7471	7470	7471	16.767	-1.986	0.111	-0.02	-0.808	-8.483	1
7471_7471	7471	7471	62.62	-2.726	0.176	-0.056	-1.133	12.337	1
7471_7472	7471	7472	16.805	-1.634	0.114	-0.001	0.205	5.997	1
7472_7472	7472	7472	64.927	-1.004	0.013	-0.063	0.297	36.504	1
7472_7473	7472	7473	17.152	-1.118	-0.009	-0.008	0.1	22.142	1
7473_7473	7473	7473	68.534	0.65	-0.013	-0.088	0.432	50.962	1
7473_7474	7473	7474	17.639	-0.598	-0.03	-0.032	-0.071	26.349	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7474_7474	7474	7474	68.5	2.243	-0.109	-0.03	0.318	46.272	1
7474_7475	7474	7475	17.648	-0.188	-0.055	0.008	-0.48	27.701	1
7475_7475	7475	7475	74.337	4.134	0.814	-0.003	-0.512	30.107	1
7475_7476	7475	7476	18.225	0.289	0.296	0	2.78	24.487	1
7476_7476	7476	7476	74.216	5.916	0.829	-0.201	8.374	-15.037	1
7476_7477	7476	7477	18.212	0.727	0.3	-0.072	3.827	21.952	1
7477_7477	7477	7477	74.351	7.032	-1.597	0.037	12.012	-35.661	1
7477_7148	7477	7148	18.26	0.72	0.344	0.017	5.475	19.006	1
7480_7168	7480	7168	78.365	-7.387	1.414	-0.044	6.234	-64.263	1
7480_7481	7480	7481	20.086	-0.757	-0.445	-0.021	4.237	28.323	1
7481_7481	7481	7481	78.282	-6.257	-0.972	0.166	11.311	-34.025	1
7481_7482	7481	7482	20.039	-0.73	-0.353	0.13	2.814	30.862	1
7482_7482	7482	7482	78.412	-4.377	-0.768	0.008	7.931	-12.193	1
7482_7483	7482	7483	20.052	-0.248	-0.3	-0.019	-0.486	33.577	1
7483_7483	7483	7483	72.693	-2.284	0.058	0.054	-0.404	35.602	1
7483_7484	7483	7484	19.707	0.313	0.043	0.009	-0.175	31.483	1
7484_7484	7484	7484	72.726	-0.594	0.061	0.051	0.018	52.064	1
7484_7485	7484	7485	19.694	0.771	0.044	0.012	0.143	25.926	1
7485_7485	7485	7485	69.236	1.263	-0.019	0.056	0.534	56.344	1
7485_7486	7485	7486	19.414	1.378	0.011	0.008	0.288	6.087	1
7486_7486	7486	7486	67.062	3.22	-0.218	0.049	0.389	38.135	1
7486_7487	7486	7487	19.234	1.995	-0.166	-0.005	-1.185	-11.58	1
7487_7487	7487	7487	66.981	4.598	-0.154	0.072	-1.544	9.625	1
7487_7488	7487	7488	19.189	2.39	-0.147	0.03	-1.999	-24.865	1
7488_7488	7488	7488	65.575	-9.54	-0.443	-0.029	-2.462	-15.928	1
7488_7489	7488	7489	19.281	-1.725	0.247	-0.295	-1.357	-19.864	1
7489_7489	7489	7489	66.964	9.867	0.336	0.035	-3.672	16.611	1
7489_7490	7489	7490	15.057	1.303	-0.394	0.302	-2.203	-24.093	1
7490_7490	7490	7490	68.527	-4.578	0.238	-0.082	-2.592	-13.214	1
7490_7491	7490	7491	15.084	-1.925	0.17	-0.019	-1.148	-13.34	1
7491_7491	7491	7491	68.608	-3.138	0.173	-0.044	-1.276	12.231	1
7491_7492	7491	7492	15.121	-1.607	0.156	-0.008	0.236	0.907	1
7492_7492	7492	7492	70.957	-1.191	0.036	-0.057	0.16	40.043	1
7492_7493	7492	7493	15.381	-1.144	-0.009	-0.012	0.142	17.396	1
7493_7493	7493	7493	74.681	0.741	-0.122	-0.02	0.595	57.198	1
7493_7494	7493	7494	15.743	-0.669	-0.067	-0.003	-0.298	22.158	1
7494_7494	7494	7494	74.644	2.476	-0.021	-0.084	-0.259	51.857	1
7494_7495	7494	7495	15.754	-0.303	-0.045	-0.027	-0.613	24.344	1
7495_7495	7495	7495	80.639	4.662	0.787	0.001	-0.473	34.011	1
7495_7496	7495	7496	16.204	0.124	0.404	0.003	3.808	22.985	1
7496_7496	7496	7496	80.504	6.595	0.803	-0.19	8.117	-16.897	1
7496_7497	7496	7497	16.196	0.513	0.407	-0.093	5.229	21.194	1
7497_7497	7497	7497	80.607	7.773	-1.323	0.047	11.581	-39.89	1
7497_7184	7497	7184	16.231	0.508	0.121	0.022	6.03	19.114	1
7500_7204	7500	7204	79.202	-6.646	1.118	-0.055	8.657	-38.626	1
7500_7501	7500	7501	15.415	0.034	-0.386	-0.029	5.723	32.619	1
7501_7501	7501	7501	79.156	-5.378	-0.857	0.239	12.694	-11.411	1
7501_7502	7501	7502	15.386	0.025	-0.412	0.093	4.069	32.533	1
7502_7502	7502	7502	79.262	-3.477	-0.873	0.007	9.709	7.347	1
7502_7503	7502	7503	15.38	0.395	-0.415	0.002	-0.459	28.224	1
7503_7503	7503	7503	71.847	-1.095	0.067	0.042	0.16	46.748	1
7503_7504	7503	7504	14.527	0.796	0.046	0.002	-0.14	22.488	1
7504_7504	7504	7504	71.855	0.504	-0.031	0.1	0.673	53.724	1
7504_7505	7504	7505	14.505	1.133	0.026	0.035	0.055	14.315	1
7505_7505	7505	7505	66.28	2.572	-0.004	0.072	0.457	50.089	1
7505_7506	7505	7506	13.705	1.579	0.035	0.016	0.53	-8.364	1
7506_7506	7506	7506	61.711	4.65	-0.009	0.067	0.48	13	1
7506_7507	7506	7507	12.974	2.028	-0.426	-0.016	-3.256	-26.36	1
7507_7507	7507	7507	61.602	5.918	0.051	0.085	0.416	-28.169	1
7507_7508	7507	7508	12.93	2.294	-0.413	0.075	-5.54	-39.113	1
7508_7508	7508	7508	57.9	-6.382	-1.51	-0.577	0.862	-62.405	1
7508_7509	7508	7509	12.488	-0.368	-0.027	-0.937	-5.891	-38.163	1
7509_7509	7509	7509	57.777	5.85	-1.585	0.603	-3.707	-43.201	1
7509_7510	7509	7510	12.445	0.196	-0.416	0.964	-7.153	-38.811	1
7510_7510	7510	7510	57.86	-4.673	-0.336	-0.024	5.227	-35.981	1
7510_7511	7510	7511	13.094	-1.971	0.145	-0.028	-0.924	-21.095	1
7511_7511	7511	7511	57.943	-3.482	-0.391	-0.102	3.364	-10.012	1
7511_7512	7511	7512	13.132	-1.701	0.132	-0.029	0.251	-6.031	1
7512_7512	7512	7512	63.074	-1.541	0.059	-0.073	-0.201	20.816	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7512_7513	7512	7513	14.054	-1.246	-0.007	-0.027	0.135	12.028	1
7513_7513	7513	7513	69.276	0.416	-0.053	-0.068	0.574	43.041	1
7513_7514	7513	7514	15.052	-0.804	-0.048	-0.031	-0.214	17.759	1
7514_7514	7514	7514	69.248	2.026	-0.056	-0.071	0.188	40.041	1
7514_7515	7514	7515	15.067	-0.454	-0.049	-0.025	-0.569	21.028	1
7515_7515	7515	7515	77.31	4.302	0.905	0.023	-0.303	25.441	1
7515_7516	7515	7516	16.124	-0.041	0.422	-0.031	4.001	21.437	1
7516_7516	7516	7516	77.188	6.154	0.556	-0.306	9.6	-21.522	1
7516_7517	7516	7517	16.122	0.346	0.348	-0.028	5.186	20.236	1
7517_7517	7517	7517	77.233	7.485	-1.211	0.034	12.099	-42.946	1
7517_7220	7517	7220	16.156	0.333	0.637	0.037	7.877	18.892	1
7520_7240	7520	7240	83.419	7.415	3.741	0.427	13.417	-19.491	1
7520_7521	7520	7521	17.996	3.312	1.154	-0.199	12.803	39.447	1
7521_7521	7521	7521	84.415	-6.217	-1.304	0.389	21.204	-24.892	1
7521_7522	7521	7522	18.699	0.049	-0.797	0.168	9.73	39.118	1
7522_7522	7522	7522	84.547	-4.617	-1.468	-0.021	16.755	-15.331	1
7522_7523	7522	7523	18.691	0.496	-0.836	0.015	0.625	33.697	1
7523_7523	7523	7523	77.543	-2.042	0.03	0.002	0.343	35.054	1
7523_7524	7523	7524	17.599	0.908	-0.007	0.008	0.481	27.127	1
7524_7524	7524	7524	77.573	-0.498	-0.125	0.081	0.668	46.204	1
7524_7525	7524	7525	17.574	1.316	-0.042	0.049	0.195	17.633	1
7525_7525	7525	7525	71.941	1.886	0.049	0.052	-0.479	48.819	1
7525_7526	7525	7526	16.897	1.857	-0.001	0.034	0.12	-9.027	1
7526_7526	7526	7526	67.137	4.39	-1.053	0.014	-0.033	21.596	1
7526_7527	7526	7527	16.466	2.493	-0.918	0.016	-8.109	-31.149	1
7527_7527	7527	7527	67.03	5.769	-1.238	0.161	-9.379	-17.263	1
7527_7528	7527	7528	16.409	2.83	-0.965	0.101	-13.507	-46.866	1
7528_7528	7528	7528	61.928	-7.559	0.111	-1.826	-16.737	-51.459	1
7528_7529	7528	7529	15.733	-0.66	0.384	-1.487	-12.711	-44.744	1
7529_7529	7529	7529	61.667	6.555	-1.009	2.017	-16.642	-34.756	1
7529_7530	7529	7530	15.569	0.238	-0.48	1.609	-14.189	-46.168	1
7530_7530	7530	7530	66.282	-5.187	-0.835	0.112	15.129	-33.965	1
7530_7531	7530	7531	15.838	-2.459	-0.224	0.069	2.732	-25.308	1
7531_7531	7531	7531	66.373	-3.807	-1.066	-0.123	10.494	-5.119	1
7531_7532	7531	7532	15.885	-2.129	-0.281	-0.074	0.28	-6.441	1
7532_7532	7532	7532	71.174	-1.674	-0.006	-0.048	0.787	26.476	1
7532_7533	7532	7533	17	-1.566	0.011	-0.029	0.408	16.192	1
7533_7533	7533	7533	76.631	0.81	0.008	-0.091	0.4	50.586	1
7533_7534	7533	7534	18.231	-1.02	-0.007	-0.057	0.299	23.545	1
7534_7534	7534	7534	76.592	2.563	-0.159	-0.003	0.425	44.744	1
7534_7535	7534	7535	18.249	-0.603	-0.048	-0.011	-0.063	27.887	1
7535_7535	7535	7535	82.373	5.269	0.38	0.007	-1.012	26.29	1
7535_7536	7535	7536	19.498	-0.067	0.116	-0.049	1.136	28.397	1
7536_7536	7536	7536	82.225	7.225	0.153	-0.156	3.165	-31.284	1
7536_7537	7536	7537	19.494	0.396	0.061	0.004	1.328	27.016	1
7537_7537	7537	7537	82.234	8.388	0.103	0.336	3.523	-56.36	1
7537_7253	7537	7253	19.462	0.409	0.329	0.261	2.613	25.387	1
7540_7275	7540	7275	85.463	-7.302	-2.397	-0.651	0.267	-59.113	1
7540_7541	7540	7541	16.423	0.279	0.122	-0.064	9.201	41.347	1
7541_7541	7541	7541	84.198	-6.543	0.714	-0.087	-10.095	-29.081	1
7541_7542	7541	7542	16.675	0.318	-0.555	0.078	6.908	40.279	1
7542_7542	7542	7542	84.336	-4.455	0.538	0.088	-7.601	-6.202	1
7542_7543	7542	7543	16.661	0.73	-0.591	-0.007	0.485	32.304	1
7543_7543	7543	7543	78.397	-1.934	0.256	-0.025	-2.186	38.259	1
7543_7544	7543	7544	15.206	1.04	0.015	0.001	0.494	25.021	1
7544_7544	7544	7544	78.421	-0.085	0.036	0.13	-0.287	52.203	1
7544_7545	7544	7545	15.177	1.398	-0.029	0.059	0.31	14.946	1
7545_7545	7545	7545	73.089	2.489	-0.003	0.07	-0.508	52.665	1
7545_7546	7545	7546	14.33	1.848	-0.023	0.046	-0.099	-11.609	1
7546_7546	7546	7546	68.971	5.272	-1.989	-0.006	-1.028	16.654	1
7546_7547	7546	7547	13.94	2.467	-1.031	0.032	-9.371	-33.497	1
7547_7547	7547	7547	68.838	6.718	-2.211	0.293	-18.685	-30.021	1
7547_7548	7547	7548	13.882	2.758	-1.078	0.125	-15.403	-48.803	1
7548_7548	7548	7548	62.834	-7.339	0.966	-3.792	-31.482	-66.516	1
7548_7549	7548	7549	12.679	-0.234	0.435	-1.986	-14.397	-48.105	1
7549_7549	7549	7549	62.391	5.76	-1.294	4.183	-28.76	-47.181	1
7549_7550	7549	7550	12.378	-0.54	-0.675	2.225	-16.518	-47.964	1
7550_7550	7550	7550	65.439	-4.157	-1.564	0.191	26.507	-5.363	1
7550_7551	7550	7551	10.938	-2.896	1.083	-0.041	-10.211	-31.24	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7551_7551	7551	7551	65.515	-2.62	-1.721	-0.18	17.642	18.171	1
7551_7552	7551	7552	11.005	-2.64	1.054	0.124	-1.297	-9.009	1
7552_7552	7552	7552	68.199	0.464	-0.146	-0.05	2.856	41.076	1
7552_7553	7552	7553	10.868	-2.296	0.16	0.038	1.062	23.401	1
7553_7553	7553	7553	71.44	3.154	-0.181	-0.051	0.466	35.501	1
7553_7554	7553	7554	10.501	-1.824	0.134	0.013	2.026	35.963	1
7554_7554	7554	7554	71.337	4.959	-0.278	-0.012	-0.814	13.28	1
7554_7555	7554	7555	10.544	-1.558	0.118	0.013	2.841	46.933	1
7555_7555	7555	7555	74.506	7.643	-0.18	0.008	-2.954	-14.798	1
7555_7556	7555	7556	10.501	-1.15	-0.285	-0.017	-0.285	57.598	1
7556_7556	7556	7556	74.263	9.724	-0.213	0.101	-4.863	-96.216	1
7556_7557	7556	7557	10.528	-0.856	-0.29	0.017	-1.286	60.534	1
7557_7557	7557	7557	73.916	4.848	2.112	0.393	-5.879	-129.048	1
7557_7288	7557	7288	11.32	-1.99	-2.789	-0.278	-12.922	68.677	1
47000_7000	47000	7000	1.462	15.266	-0.892	-0.488	0	11.236	1
47000_7001	47000	7001	0.595	3.237	-0.737	-0.616	-7.744	-29.06	1
47001_7001	47001	7001	1.462	15.266	-0.892	-0.488	-9.373	-149.159	1
47001_7002	47001	7002	0.595	3.237	-0.737	-0.615	-14.67	-59.473	1
47002_7002	47002	7002	1.468	17.695	0.442	-0.521	-17.756	-292.624	1
47002_7003	47002	7003	0.599	3.323	0.15	-0.752	-12.854	-99.705	1
47003_7003	47003	7003	1.469	17.695	0.441	-0.991	-12.4	-506.869	1
47003_7004	47003	7004	0.599	3.323	0.149	-0.845	-11.044	-139.965	1
47004_7004	47004	7004	1.467	23.374	-0.001	0.176	-7.057	-721.32	1
47004_7005	47004	7005	0.598	3.298	-0.05	-0.545	-11.645	-179.884	1
47005_7005	47005	7005	1.467	23.374	-0.003	-1.576	-7.066	-1004.263	1
47005_7006	47005	7006	0.598	3.298	-0.051	-0.859	-12.26	-219.825	1
47006_7006	47006	7006	1.467	32.807	-0.098	0.798	-7.107	-1287.359	1
47006_7007	47006	7007	0.597	3.362	-0.195	-0.409	-14.619	-260.539	1
47007_7007	47007	7007	1.467	-3.993	-0.101	-2.138	-8.297	-1684.682	1
47007_7008	47007	7008	0.597	3.362	-0.196	-0.863	-16.993	-301.275	1
47008_7008	47008	7008	1.467	7.489	-0.211	1.015	-9.518	-1636.293	1
47008_7009	47008	7009	0.597	3.439	-0.214	-0.207	-19.589	-342.913	1
47009_7009	47009	7009	1.466	-11.77	-0.214	-1.993	-12.075	-1726.96	1
47009_7010	47009	7010	0.596	3.439	-0.215	-0.804	-22.199	-384.574	1
47010_7010	47010	7010	1.466	-21.905	-0.168	0.771	-14.665	-1584.464	1
47010_7011	47010	7011	0.596	3.584	-0.21	0.008	-24.743	-427.998	1
47011_7011	47011	7011	1.466	-27.722	-0.17	-1.391	-16.694	-1319.129	1
47011_7012	47011	7012	0.596	3.584	-0.211	-0.694	-27.297	-471.407	1
47012_7012	47012	7012	1.465	-20.045	-0.319	0.511	-18.752	-983.396	1
47012_7013	47012	7013	0.596	3.866	-0.225	0.3	-30.022	-518.224	1
47013_7013	47013	7013	1.464	-20.045	-0.321	-0.777	-22.612	-740.655	1
47013_7014	47013	7014	0.595	3.866	-0.226	-0.601	-32.761	-565.066	1
47014_7014	47014	7014	1.465	-15.608	-0.145	0.014	-26.504	-497.802	1
47014_7015	47014	7015	0.595	4.197	-0.226	0.205	-36.349	-631.56	1
47015_7015	47015	7015	1.76	-43.526	-0.287	-0.627	-36.982	-1298.677	1
47015_7016	47015	7016	0.558	4.202	-0.227	-0.113	-38.227	-665.926	1
47016_7016	47016	7016	2.377	-40.109	0.002	0.541	-39.509	-1166.215	1
47016_7017	47016	7017	0.463	5.085	-0.108	0.54	-38.276	-713.641	1
47017_7017	47017	7017	3.642	-46.796	0.065	-0.085	-38.689	-1014.723	1
47017_7018	47017	7018	0.338	5.079	-0.107	0.132	-39.332	-777.004	1
47018_7018	47018	7018	4.945	-49.627	-0.201	0.228	-35.566	-743.141	1
47018_7019	47018	7019	0.165	5.676	-0.042	1.117	-39.846	-848.158	1
47019_7019	47019	7019	6.886	-56.995	-0.161	0.454	-35.679	-463.239	1
47019_7020	47019	7020	0.173	-1.14	0.098	-0.157	19.49	309.468	1
47020_7020	47020	7020	12.314	-0.938	0.434	0.384	-28.912	-142.72	1
47020_7021	47020	7021	60.683	1.689	-0.437	-0.766	49.234	10.726	1
47021_7021	47021	7021	12.315	-0.938	0.427	0.202	-24.791	-130.833	1
47021_7022	47021	7022	60.682	1.689	-0.473	-0.645	45.57	12.304	1
47022_7022	47022	7022	12.315	-0.938	0.411	0.044	-21.485	-123.564	1
47022_7023	47022	7023	60.682	1.689	-0.551	-0.629	41.303	-0.777	1
47023_7023	47023	7023	12.316	-0.898	0.275	0.394	-18.303	-116.296	1
47023_7024	47023	7024	60.688	2.193	-0.837	-0.847	34.6	-18.334	1
47024_7024	47024	7024	12.316	-0.898	0.261	0.273	-16.104	-109.104	1
47024_7025	47024	7025	60.687	2.193	-0.904	-0.868	27.37	-35.866	1
47025_7025	47025	7025	12.316	-0.898	0.261	0.273	-14.018	-101.922	1
47025_7026	47025	7026	60.687	2.193	-0.904	-0.868	20.14	-53.4	1
47026_7026	47026	7026	12.316	-0.903	0.251	0.432	-11.932	-94.74	1
47026_7027	47026	7027	60.686	2.833	-1.021	-0.88	14.009	-70.405	1
47027_7027	47027	7027	12.316	-0.903	0.253	0.448	-10.426	-89.315	1

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47027_7028	47027	7028	60.687	2.833	-1.01	-0.868	7.953	-87.387	1
47028_7028	47028	7028	12.317	-0.903	0.23	0.294	-8.909	-83.9	1
47028_7029	47028	7029	60.685	2.833	-1.122	-1.028	1.22	-104.392	1
47029_7029	47029	7029	12.317	-0.903	0.23	0.294	-7.526	-78.476	1
47029_7030	47029	7030	60.685	2.833	-1.122	-1.028	-5.513	-121.399	1
47030_7030	47030	7030	12.317	-0.911	0.226	0.452	-6.143	-73.054	1
47030_7031	47030	7031	60.684	3.217	-0.98	-0.844	-13.343	-147.11	1
47031_7031	47031	7031	12.317	-0.911	0.224	0.443	-4.338	-65.77	1
47031_7032	47031	7032	60.684	3.217	-0.987	-0.863	-21.246	-172.853	1
47032_7032	47032	7032	12.317	-0.911	0.209	0.37	-2.544	-58.478	1
47032_7033	47032	7033	60.683	3.217	-1.063	-1.078	-29.751	-198.591	1
47033_7033	47033	7033	12.32	-0.929	0.508	0.374	-0.872	-51.187	1
47033_7034	47033	7034	60.683	3.347	-0.923	-0.674	-36.9	-224.531	1
47034_7034	47034	7034	12.319	-0.929	0.524	0.431	3.065	-43.984	1
47034_7035	47034	7035	60.684	3.347	-0.845	-0.386	-43.446	-250.47	1
47035_7035	47035	7035	12.32	-0.929	0.5	0.487	7.125	-39.914	1
47035_7036	47035	7036	60.682	3.347	-0.961	-1.11	-52.572	-297.685	1
47036_7036	47036	7036	23.619	42.87	0.148	-1.195	-29.359	710.1	1
47036_7037	47036	7037	12.437	-7.401	-0.061	-0.761	-27.257	-787.486	1
47037_7037	47037	7037	22.484	43.026	0.132	-0.334	-27.623	186.477	1
47037_7038	47037	7038	12.626	-7.073	-0.072	-0.672	-28.117	-698.829	1
47038_7038	47038	7038	21.621	44.716	-0.124	-0.154	-26.703	-203.623	1
47038_7039	47038	7039	12.835	-6.089	0.071	-0.167	-27.172	-618.039	1
47039_7039	47039	7039	20.223	32.693	-0.144	-0.964	-28.587	-606.369	1
47039_7040	47039	7040	12.981	-5.773	0.043	-0.834	-26.631	-548.867	1
47040_7040	47040	7040	19.505	17.037	0.07	0.814	-30.284	-894.361	1
47040_7041	47040	7041	13.083	-4.793	0.093	0.256	-25.883	-509.349	1
47041_7041	47041	7041	19.381	4.815	0.008	-0.913	-29.923	-1023.541	1
47041_7042	47041	7042	13.125	-4.678	0.068	-0.499	-24.834	-433.44	1
47042_7042	47042	7042	19.38	-2.218	0.249	0.826	-29.799	-1097.906	1
47042_7043	47042	7043	13.125	-4.11	0.159	0.304	-22.946	-384.54	1
47043_7043	47043	7043	19.381	-21.783	0.216	-0.967	-26.838	-1071.508	1
47043_7044	47043	7044	13.126	-4.11	0.137	-0.34	-21.32	-335.639	1
47044_7044	47044	7044	19.38	-14.033	0.083	0.388	-24.263	-812.301	1
47044_7045	47044	7045	13.126	-3.885	0.102	0.307	-20.102	-289.381	1
47045_7045	47045	7045	19.381	-14.033	0.068	-0.104	-23.279	-645.208	1
47045_7046	47045	7046	13.126	-3.885	0.092	0.086	-19.005	-243.164	1
47046_7046	47046	7046	19.38	-9.552	0.034	0.568	-22.471	-478.227	1
47046_7047	47046	7047	13.126	-3.8	0.097	0.507	-17.853	-197.928	1
47047_7047	47047	7047	19.38	-9.552	0.001	-0.042	-22.071	-364.512	1
47047_7048	47047	7048	13.126	-3.8	0.075	0.176	-16.962	-152.698	1
47048_7048	47048	7048	19.38	-7.423	0.024	0.456	-22.057	-250.801	1
47048_7049	47048	7049	13.126	-3.842	0.092	0.494	-15.872	-106.978	1
47049_7049	47049	7049	19.38	-7.423	0.007	0.32	-21.775	-162.453	1
47049_7050	47049	7050	13.126	-3.842	0.081	0.405	-14.913	-61.259	1
47050_7050	47050	7050	19.381	-6.829	0.118	0.423	-21.686	-74.101	1
47050_7051	47050	7051	13.127	-3.974	0.184	0.451	-12.08	0.017	1
47051_7051	47051	7051	19.438	-6.666	0.086	0.651	-19.861	29.303	1
47051_7052	47051	7052	13.16	-3.863	0.162	0.568	-10.743	30.58	1
47052_7052	47052	7052	19.545	-6.543	0.207	0.187	-19.161	84.27	1
47052_7053	47052	7053	13.225	-3.883	0.251	0.285	-7.791	76.247	1
47053_7053	47053	7053	19.705	-6.044	0.164	1.023	-16.695	154.936	1
47053_7054	47053	7054	13.32	-3.546	0.222	0.725	-4.825	119.022	1
47054_7054	47054	7054	19.867	-5.77	0.002	0.342	-14.566	235.112	1
47054_7055	47054	7055	13.418	-3.387	-0.048	0.358	-5.438	161.468	1
47055_7055	47055	7055	20.01	-5.251	-0.029	1.208	-14.478	307.421	1
47055_7056	47055	7056	13.502	-3.037	-0.069	0.756	-6.261	199.611	1
47056_7056	47056	7056	10.937	-0.787	0.234	0.382	-15.728	-121.232	1
47056_7057	47056	7057	52.352	1.39	-0.532	-0.864	42.816	-31.638	1
47057_7057	47057	7057	10.937	-0.787	0.221	0.239	-13.504	-113.168	1
47057_7058	47057	7058	52.351	1.39	-0.592	-0.868	38.225	-39.595	1
47058_7058	47058	7058	10.937	-0.787	0.207	0.101	-11.787	-107.072	1
47058_7059	47058	7059	52.35	1.39	-0.66	-0.919	33.113	-50.365	1
47059_7059	47059	7059	10.937	-0.764	0.098	0.448	-10.18	-100.976	1
47059_7060	47059	7060	52.345	1.981	-0.726	-0.961	27.311	-66.201	1
47060_7060	47060	7060	10.938	-0.764	0.084	0.321	-9.396	-94.873	1
47060_7061	47060	7061	52.344	1.981	-0.796	-1.05	20.942	-82.052	1
47061_7061	47061	7061	10.938	-0.764	0.07	0.211	-8.727	-88.763	1
47061_7062	47061	7062	52.343	1.981	-0.861	-1.152	14.052	-97.902	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47062_7062	47062	7062	10.938	-0.772	0.101	0.464	-8.168	-82.654	1
47062_7063	47062	7063	52.343	2.716	-0.877	-0.984	8.786	-114.202	1
47063_7063	47063	7063	10.938	-0.772	0.083	0.335	-7.56	-78.017	1
47063_7064	47063	7064	52.341	2.716	-0.964	-1.174	2.998	-130.506	1
47064_7064	47064	7064	10.938	-0.772	0.084	0.343	-7.06	-73.379	1
47064_7065	47064	7065	52.341	2.716	-0.958	-1.159	-2.744	-146.786	1
47065_7065	47065	7065	10.938	-0.772	0.083	0.335	-6.554	-68.75	1
47065_7066	47065	7066	52.341	2.716	-0.964	-1.176	-8.532	-163.092	1
47066_7066	47066	7066	10.938	-0.774	0.042	0.415	-6.055	-64.114	1
47066_7067	47066	7067	52.34	3.208	-0.892	-1.081	-15.668	-188.755	1
47067_7067	47067	7067	10.938	-0.774	0.042	0.415	-5.718	-57.925	1
47067_7068	47067	7068	52.34	3.208	-0.892	-1.081	-22.804	-214.414	1
47068_7068	47068	7068	10.938	-0.774	0.041	0.411	-5.382	-51.736	1
47068_7069	47068	7069	52.34	3.208	-0.897	-1.099	-29.984	-240.104	1
47069_7069	47069	7069	10.94	-0.79	0.287	0.456	-5.052	-45.54	1
47069_7070	47069	7070	52.343	3.41	-0.876	-0.603	-36.768	-266.527	1
47070_7070	47070	7070	10.94	-0.79	0.273	0.406	-2.831	-39.424	1
47070_7071	47070	7071	52.341	3.41	-0.943	-0.946	-44.074	-292.936	1
47071_7071	47071	7071	10.94	-0.79	0.272	0.423	-0.719	-34.134	1
47071_7072	47071	7072	52.341	3.41	-0.948	-1.046	-53.083	-329.275	1
47072_7072	47072	7072	19.811	46.483	0.237	-1.125	-29.679	539.008	1
47072_7073	47072	7073	7.418	-6.258	0.109	-0.848	-27.606	-773.37	1
47073_7073	47073	7073	18.596	46.982	0.225	-0.466	-26.716	-45.174	1
47073_7074	47073	7074	7.579	-6.063	0.102	-0.745	-26.289	-697.354	1
47074_7074	47074	7074	17.517	44.048	-0.205	-0.29	-25.24	-276.509	1
47074_7075	47074	7075	7.749	-5.422	-0.013	-0.296	-26.462	-625.472	1
47075_7075	47075	7075	15.999	31.911	-0.206	-0.892	-28.11	-674.788	1
47075_7076	47075	7076	7.885	-5.222	-0.027	-0.726	-26.755	-561.509	1
47076_7076	47076	7076	15.441	16.787	0.17	0.26	-30.668	-946.009	1
47076_7077	47076	7077	7.977	-4.283	0.107	-0.035	-25.881	-526.165	1
47077_7077	47077	7077	15.299	2.737	0.172	-0.65	-28.933	-1070.809	1
47077_7078	47077	7078	8.013	-4.215	0.098	-0.393	-24.512	-470.096	1
47078_7078	47078	7078	15.3	-11.625	0.171	0.381	-27.142	-1179.872	1
47078_7079	47078	7079	8.014	-3.905	0.142	0.156	-22.927	-426.37	1
47079_7079	47079	7079	15.3	-19.854	0.158	-0.504	-25.232	-1049.716	1
47079_7080	47079	7080	8.014	-3.905	0.135	-0.203	-21.419	-382.686	1
47080_7080	47080	7080	15.3	-12.905	0.068	0.417	-23.468	-827.641	1
47080_7081	47080	7081	8.014	-3.693	0.114	0.31	-20.145	-341.378	1
47081_7081	47081	7081	15.3	-12.905	0.053	-0.225	-22.713	-683.292	1
47081_7082	47081	7082	8.014	-3.693	0.106	-0.011	-18.955	-300.032	1
47082_7082	47082	7082	15.301	-8.64	0.083	0.422	-22.118	-538.838	1
47082_7083	47082	7083	8.014	-3.588	0.119	0.419	-17.523	-256.89	1
47083_7083	47083	7083	15.301	-8.64	0.071	0.061	-21.113	-434.944	1
47083_7084	47083	7084	8.014	-3.588	0.112	0.205	-16.171	-213.746	1
47084_7084	47084	7084	15.301	-6.537	0.061	0.472	-20.262	-331.059	1
47084_7085	47084	7085	8.014	-3.563	0.109	0.494	-14.946	-173.872	1
47085_7085	47085	7085	15.301	-6.537	0.048	0.252	-19.579	-257.898	1
47085_7086	47085	7086	8.015	-3.563	0.103	0.346	-13.799	-134.033	1
47086_7086	47086	7086	15.301	-5.272	0.048	0.579	-18.236	-167.387	1
47086_7087	47086	7087	8.015	-3.596	0.087	0.576	-12.827	-93.789	1
47087_7087	47087	7087	15.301	-5.272	0.02	0.385	-17.701	-108.389	1
47087_7088	47087	7088	8.015	-3.596	0.073	0.409	-12.014	-53.548	1
47088_7088	47088	7088	15.302	-5.344	0.173	0.518	-17.473	-49.397	1
47088_7089	47088	7089	8.015	-3.685	0.213	0.502	-9.145	-3.974	1
47089_7089	47089	7089	15.351	-5.609	0.141	0.68	-16.175	24.254	1
47089_7090	47089	7090	8.047	-3.616	0.198	0.536	-7.506	27.368	1
47090_7090	47090	7090	15.448	-5.676	0.225	0.357	-15.009	70.508	1
47090_7091	47090	7091	8.109	-3.623	0.238	0.364	-4.701	69.949	1
47091_7091	47091	7091	15.586	-5.286	0.2	0.921	-12.339	134.65	1
47091_7092	47091	7092	8.197	-3.419	0.226	0.632	-1.691	113.956	1
47092_7092	47092	7092	16.158	-46.881	-0.246	0.399	-26.444	-628.181	1
47092_7093	47092	7093	8.292	-3.35	-0.024	0.362	-1.999	155.947	1
47093_7093	47093	7093	17.374	-46.444	-0.266	1.104	-29.515	-40.547	1
47093_7094	47093	7094	8.377	-3.133	-0.037	0.662	-2.427	195.306	1
47094_7094	47094	7094	11.538	0.611	-0.21	-0.321	3.269	-32.066	1
47094_7095	47094	7095	51.282	1.639	-0.538	-0.857	38.912	-12.955	1
47095_7095	47095	7095	11.538	0.611	-0.221	-0.346	1.268	-37.412	1
47095_7096	47095	7096	51.282	1.639	-0.584	-0.845	34.387	-23.596	1
47096_7096	47096	7096	11.538	0.611	-0.236	-0.402	-0.443	-42.143	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47096_7097	47096	7097	51.281	1.639	-0.653	-0.877	29.326	-36.308	1
47097_7097	47097	7097	11.537	0.605	-0.055	-0.27	-2.275	-46.88	1
47097_7098	47097	7098	51.281	2.203	-0.701	-0.95	23.725	-53.923	1
47098_7098	47098	7098	11.537	0.605	-0.07	-0.336	-2.714	-51.714	1
47098_7099	47098	7099	51.281	2.203	-0.767	-1.02	17.588	-71.559	1
47099_7099	47099	7099	11.537	0.605	-0.084	-0.407	-3.274	-56.553	1
47099_7100	47099	7100	51.28	2.203	-0.831	-1.109	10.938	-89.193	1
47100_7100	47100	7100	11.537	0.602	-0.112	-0.301	-3.948	-61.392	1
47100_7101	47100	7101	51.28	2.95	-0.943	-1.097	5.286	-106.882	1
47101_7101	47101	7101	11.537	0.602	-0.132	-0.413	-4.619	-65.001	1
47101_7102	47101	7102	51.278	2.95	-1.031	-1.281	-0.904	-124.591	1
47102_7102	47102	7102	11.537	0.602	-0.093	-0.184	-5.409	-68.618	1
47102_7103	47102	7103	51.282	2.95	-0.86	-0.866	-6.069	-142.307	1
47103_7103	47103	7103	11.537	0.602	-0.112	-0.301	-5.969	-72.233	1
47103_7104	47103	7104	51.28	2.95	-0.943	-1.095	-11.721	-159.988	1
47104_7104	47104	7104	11.537	0.589	-0.086	-0.196	-6.64	-75.843	1
47104_7105	47104	7105	51.28	3.433	-0.813	-0.886	-18.228	-187.458	1
47105_7105	47105	7105	11.537	0.589	-0.1	-0.297	-7.329	-80.555	1
47105_7106	47105	7106	51.279	3.433	-0.877	-1.121	-25.248	-214.93	1
47106_7106	47106	7106	11.537	0.589	-0.1	-0.294	-8.133	-85.267	1
47106_7107	47106	7107	51.279	3.433	-0.875	-1.112	-32.243	-242.369	1
47107_7107	47107	7107	11.537	0.601	-0.18	-0.161	-8.933	-89.974	1
47107_7108	47107	7108	51.278	3.641	-0.822	-0.707	-38.615	-270.603	1
47108_7108	47108	7108	11.537	0.601	-0.18	-0.161	-10.327	-94.636	1
47108_7109	47108	7109	51.278	3.641	-0.822	-0.707	-44.986	-298.834	1
47109_7109	47109	7109	11.536	0.601	-0.191	-0.269	-11.721	-99.912	1
47109_7110	47109	7110	51.277	3.641	-0.873	-1.049	-53.27	-336.136	1
47110_7110	47110	7110	19.7	45.379	0.291	-1.111	-36.17	519.238	1
47110_7111	47110	7111	7.965	2.177	0.044	-0.484	-3.042	122.296	1
47111_7111	47111	7111	18.552	41.104	0.271	-0.238	-33.698	108.785	1
47111_7112	47111	7112	7.906	2.384	0.031	-0.209	-2.673	92.404	1
47112_7112	47112	7112	17.71	43.033	-0.019	-0.445	-31.081	-264.747	1
47112_7113	47112	7113	7.836	2.457	-0.126	-0.439	-4.328	59.832	1
47113_7113	47113	7113	16.377	4.787	-0.128	-0.247	-13.796	131.302	1
47113_7114	47113	7114	7.772	2.653	-0.136	-0.231	-5.934	29.928	1
47114_7114	47114	7114	16.294	4.689	-0.02	-0.548	-15.298	75.034	1
47114_7115	47114	7115	7.726	2.647	-0.105	-0.379	-6.804	8.087	1
47115_7115	47115	7115	16.253	4.829	-0.029	-0.395	-15.467	35.645	1
47115_7116	47115	7116	7.703	2.714	-0.11	-0.32	-8.34	-30.165	1
47116_7116	47116	7116	16.253	4.725	0.036	-0.315	-15.874	-31.837	1
47116_7117	47116	7117	7.703	2.608	-0.04	-0.303	-8.782	-59.35	1
47117_7117	47117	7117	16.253	4.725	0.022	-0.389	-15.472	-84.714	1
47117_7118	47117	7118	7.703	2.608	-0.046	-0.355	-9.3	-88.509	1
47118_7118	47118	7118	16.253	5.32	0.018	-0.236	-15.231	-137.532	1
47118_7119	47118	7119	7.703	2.566	-0.042	-0.284	-9.772	-117.222	1
47119_7119	47119	7119	16.253	5.32	0.018	-0.236	-15.032	-197.068	1
47119_7120	47119	7120	7.703	2.566	-0.042	-0.284	-10.244	-145.935	1
47120_7120	47120	7120	16.253	7.201	0.027	0.144	-14.834	-256.629	1
47120_7121	47120	7121	7.703	2.567	-0.051	-0.068	-10.859	-176.792	1
47121_7121	47121	7121	16.253	7.201	-0.001	-0.427	-14.516	-343.192	1
47121_7122	47121	7122	7.703	2.567	-0.064	-0.362	-11.628	-207.647	1
47122_7122	47122	7122	16.253	11.388	0.009	0.205	-14.522	-429.753	1
47122_7123	47122	7123	7.703	2.652	-0.045	-0.005	-12.136	-237.326	1
47123_7123	47123	7123	16.253	11.388	-0.006	-0.293	-14.424	-557.19	1
47123_7124	47123	7124	7.703	2.652	-0.052	-0.217	-12.722	-267.004	1
47124_7124	47124	7124	16.253	18.58	-0.05	0.864	-14.489	-684.629	1
47124_7125	47124	7125	7.703	2.841	-0.06	0.28	-13.396	-298.8	1
47125_7125	47125	7125	16.253	9.965	-0.079	-0.731	-15.046	-892.555	1
47125_7126	47125	7126	7.702	2.841	-0.074	-0.254	-14.225	-330.596	1
47126_7126	47126	7126	16.252	-7.949	-0.103	0.655	-15.928	-1004.15	1
47126_7127	47126	7127	7.702	3.166	-0.055	0.305	-14.974	-373.412	1
47127_7127	47127	7127	16.399	-17.393	-0.125	-0.364	-17.327	-892.437	1
47127_7128	47127	7128	7.692	-3.89	0.234	0.506	-0.353	79.257	1
47128_7128	47128	7128	16.997	-31.924	-0.003	0.787	-17.925	-850.014	1
47128_7129	47128	7129	7.759	-3.96	0.226	0.313	2.305	125.795	1
47129_7129	47129	7129	18.485	-44.115	-0.012	0.039	-18.116	-662.594	1
47129_7130	47129	7130	7.858	-3.76	0.21	0.584	5.114	173.221	1
47130_7130	47130	7130	19.461	-45.431	0.589	0.388	-17.85	-357.85	1
47130_7131	47130	7131	7.961	-3.709	0.203	0.487	7.678	219.717	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47131_7131	47131	7131	21.018	-46.563	0.576	0.846	-10.317	149.545	1
47131_7132	47131	7132	8.08	-3.443	0.198	0.382	10.034	260.166	1
47132_7132	47132	7132	13.173	0.089	-0.038	-0.436	-5.651	-68.061	1
47132_7133	47132	7133	56.94	-0.222	0.233	-0.714	15.213	-95.11	1
47133_7133	47133	7133	13.173	0.089	-0.021	-0.343	-6.039	-66.135	1
47133_7134	47133	7134	56.94	-0.222	0.306	-0.657	17.585	-81.11	1
47134_7134	47134	7134	13.173	0.089	0.013	-0.171	-6.198	-66.822	1
47134_7135	47134	7135	56.939	-0.222	0.453	-0.448	21.098	-79.386	1
47135_7135	47135	7135	13.174	0.143	-0.074	-0.213	-6.095	-67.511	1
47135_7136	47135	7136	56.938	0.922	-0.716	-0.618	15.38	-86.761	1
47136_7136	47136	7136	13.174	0.143	-0.09	-0.299	-6.683	-68.657	1
47136_7137	47136	7137	56.937	0.922	-0.787	-0.727	9.081	-94.138	1
47137_7137	47137	7137	13.174	0.143	-0.09	-0.299	-7.403	-69.804	1
47137_7138	47137	7138	56.937	0.922	-0.787	-0.727	2.783	-101.515	1
47138_7138	47138	7138	13.173	0.124	0.004	-0.137	-8.124	-70.951	1
47138_7139	47138	7139	56.936	1.577	-0.497	-0.608	-0.201	-110.972	1
47139_7139	47139	7139	13.173	0.124	-0.018	-0.256	-8.098	-71.693	1
47139_7140	47139	7140	56.935	1.577	-0.592	-0.793	-3.755	-120.432	1
47140_7140	47140	7140	13.173	0.124	-0.018	-0.256	-8.203	-72.436	1
47140_7141	47140	7141	56.935	1.577	-0.592	-0.793	-7.309	-129.893	1
47141_7141	47141	7141	13.173	0.124	-0.018	-0.256	-8.309	-73.178	1
47141_7142	47141	7142	56.935	1.577	-0.592	-0.793	-10.863	-139.354	1
47142_7142	47142	7142	13.173	0.121	-0.007	-0.121	-8.414	-73.921	1
47142_7143	47142	7143	56.936	2.034	-0.473	-0.565	-14.649	-155.621	1
47143_7143	47143	7143	13.173	0.121	-0.024	-0.215	-8.473	-74.886	1
47143_7144	47143	7144	56.935	2.034	-0.544	-0.759	-19.004	-171.892	1
47144_7144	47144	7144	13.173	0.121	-0.024	-0.215	-8.663	-75.852	1
47144_7145	47144	7145	56.935	2.034	-0.544	-0.759	-23.359	-188.163	1
47145_7145	47145	7145	13.174	0.143	-0.085	-0.167	-8.854	-76.818	1
47145_7146	47145	7146	56.933	2.202	-0.453	-0.606	-26.868	-205.226	1
47146_7146	47146	7146	13.174	0.143	-0.068	-0.067	-9.515	-77.923	1
47146_7147	47146	7147	56.934	2.202	-0.379	-0.341	-29.807	-222.293	1
47147_7147	47147	7147	13.174	0.143	-0.084	-0.176	-10.044	-81.511	1
47147_7148	47147	7148	56.933	2.202	-0.447	-0.69	-34.053	-253.946	1
47148_7148	47148	7148	32.907	33.053	0.207	-0.948	-24.191	822.545	1
47148_7149	47148	7149	16.642	2.6	-0.002	-0.38	0.212	197.896	1
47149_7149	47149	7149	32.038	32.623	0.172	-0.047	-21.71	435.096	1
47149_7150	47149	7150	16.569	3.034	-0.015	-0.228	0.001	159.864	1
47150_7150	47150	7150	31.427	35.001	-0.064	-0.509	-19.824	99.018	1
47150_7151	47150	7151	16.494	-6.166	0.054	-0.259	-20.507	-538.421	1
47151_7151	47151	7151	30.527	35.789	-0.092	-0.293	-20.671	-355.732	1
47151_7152	47151	7152	16.646	-5.744	0.038	-0.251	-20.045	-465.472	1
47152_7152	47152	7152	30.043	39.258	0.113	-0.81	-21.196	-545.092	1
47152_7153	47152	7153	16.741	-4.841	0.151	-0.403	-18.799	-425.531	1
47153_7153	47153	7153	29.712	2.709	0.142	0.187	-20.271	-865.55	1
47153_7154	47153	7154	16.781	-4.7	0.167	0.148	-16.507	-358.967	1
47154_7154	47154	7154	29.712	13.383	0.117	0.023	-18.323	-902.8	1
47154_7155	47154	7155	16.781	-4.377	0.102	0.126	-15.387	-310.822	1
47155_7155	47155	7155	29.712	-5.855	0.117	0.023	-17.032	-1050.02	1
47155_7156	47155	7156	16.781	-4.377	0.102	0.126	-14.267	-262.678	1
47156_7156	47156	7156	29.712	-14.888	0.063	-0.229	-15.741	-985.617	1
47156_7157	47156	7157	16.781	-4.267	0.102	0.15	-13.252	-220.011	1
47157_7157	47157	7157	29.712	-22.478	0.092	0.608	-15.116	-836.733	1
47157_7158	47157	7158	16.781	-4.267	0.118	0.37	-12.069	-177.344	1
47158_7158	47158	7158	29.712	-15.543	0.017	0.049	-14.194	-611.888	1
47158_7159	47158	7159	16.781	-4.229	0.1	0.279	-11.07	-135.013	1
47159_7159	47159	7159	29.712	-15.543	0.047	0.508	-14.02	-456.297	1
47159_7160	47159	7160	16.781	-4.229	0.117	0.414	-9.904	-92.723	1
47160_7160	47160	7160	29.712	-11.583	-0.028	0.228	-13.548	-300.861	1
47160_7161	47160	7161	16.781	-4.267	0.094	0.365	-8.865	-45.791	1
47161_7161	47161	7161	29.712	-11.583	-0.001	0.386	-13.855	-173.449	1
47161_7162	47161	7162	16.781	-4.267	0.11	0.407	-7.659	1.143	1
47162_7162	47162	7162	29.712	-9.928	0.035	0.285	-13.865	-46.038	1
47162_7163	47162	7163	16.781	-4.378	0.164	0.346	-5.402	61.344	1
47163_7163	47163	7163	30.002	-39.575	-0.124	-0.169	-20.574	-855.31	1
47163_7164	47163	7164	16.816	-4.239	0.148	0.459	-4.179	95.329	1
47164_7164	47164	7164	30.51	-36.428	0.13	0.265	-22.22	-760.388	1
47164_7165	47164	7165	16.886	-4.191	0.228	0.257	-1.494	144.593	1
47165_7165	47165	7165	31.418	-38.176	0.133	0.554	-20.702	-446.738	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47165_7166	47165	7166	16.986	-3.765	0.217	0.449	1.398	190.046	1
47166_7166	47166	7166	32.074	-34.884	-0.199	0.065	-18.79	15.268	1
47166_7167	47166	7167	17.086	-3.474	-0.017	0.257	1.183	233.585	1
47167_7167	47167	7167	32.973	-34.036	-0.223	0.98	-21.239	452.525	1
47167_7168	47167	7168	17.171	-3.027	-0.031	0.412	0.825	271.612	1
47168_7168	47168	7168	10.878	-0.185	0.082	0.162	-8.717	-61.717	1
47168_7169	47168	7169	55.015	-1.892	0.542	0.743	-29.274	-203.741	1
47169_7169	47169	7169	10.878	-0.185	0.069	0.077	-7.941	-57.555	1
47169_7170	47169	7170	55.016	-1.892	0.479	0.402	-25.562	-176.923	1
47170_7170	47170	7170	10.878	-0.185	0.069	0.077	-7.406	-56.12	1
47170_7171	47170	7171	55.016	-1.892	0.479	0.402	-21.85	-162.258	1
47171_7171	47171	7171	10.878	-0.177	0.045	0.119	-6.871	-54.684	1
47171_7172	47171	7172	55.014	-1.772	0.572	0.599	-17.273	-148.081	1
47172_7172	47172	7172	10.878	-0.177	0.058	0.186	-6.512	-53.268	1
47172_7173	47172	7173	55.013	-1.772	0.641	0.785	-12.145	-133.905	1
47173_7173	47173	7173	10.878	-0.177	0.045	0.121	-6.044	-51.853	1
47173_7174	47173	7174	55.014	-1.772	0.572	0.617	-7.567	-119.732	1
47174_7174	47174	7174	10.878	-0.176	0.045	0.145	-5.686	-50.437	1
47174_7175	47174	7175	55.013	-1.366	0.632	0.639	-3.773	-111.531	1
47175_7175	47175	7175	10.878	-0.176	0.063	0.227	-5.415	-49.381	1
47175_7176	47175	7176	55.012	-1.366	0.724	0.825	0.571	-103.333	1
47176_7176	47176	7176	10.878	-0.176	0.045	0.147	-5.035	-48.325	1
47176_7177	47176	7177	55.013	-1.366	0.632	0.652	4.364	-95.137	1
47177_7177	47177	7177	10.878	-0.176	0.045	0.147	-4.764	-47.269	1
47177_7178	47177	7178	55.013	-1.366	0.632	0.652	8.158	-86.94	1
47178_7178	47178	7178	10.878	-0.172	0.036	0.177	-4.493	-46.213	1
47178_7179	47178	7179	55.014	-0.736	0.5	0.593	12.159	-81.044	1
47179_7179	47179	7179	10.878	-0.172	0.049	0.233	-4.207	-44.836	1
47179_7180	47179	7180	55.013	-0.736	0.569	0.695	16.709	-75.151	1
47180_7180	47180	7180	10.878	-0.172	0.036	0.178	-3.813	-43.458	1
47180_7181	47180	7181	55.014	-0.736	0.5	0.601	20.709	-69.26	1
47181_7181	47181	7181	10.878	-0.171	0.131	0.199	-3.528	-42.081	1
47181_7182	47181	7182	55.019	-0.688	0.345	0.46	23.395	-41.855	1
47182_7182	47182	7182	10.878	-0.171	0.131	0.199	-2.51	-40.757	1
47182_7183	47182	7183	55.019	-0.688	0.345	0.46	26.072	-36.522	1
47183_7183	47183	7183	10.877	-0.171	0.144	0.27	-1.492	-41.363	1
47183_7184	47183	7184	55.019	-0.688	0.409	0.575	29.957	-39.747	1
47184_7184	47184	7184	25.386	39.385	0.205	-0.639	-24.737	881.829	1
47184_7185	47184	7185	8.467	3.257	-0.035	-0.239	1.319	170.524	1
47185_7185	47185	7185	24.353	40.032	0.223	-0.371	-22.143	387.059	1
47185_7186	47185	7186	8.509	-5.753	0.087	0.066	-21.49	-542.823	1
47186_7186	47186	7186	23.56	44.721	-0.205	-0.876	-19.309	-114.707	1
47186_7187	47186	7187	8.672	-5.064	0.027	-0.641	-21.059	-475.647	1
47187_7187	47187	7187	22.501	38.046	-0.14	0.052	-22.287	-372.896	1
47187_7188	47187	7188	8.796	-4.846	0.033	0.198	-20.685	-416.305	1
47188_7188	47188	7188	21.87	35.687	0.045	-0.808	-23.841	-714.063	1
47188_7189	47188	7189	8.876	-4.056	0.098	-0.369	-19.862	-382.844	1
47189_7189	47189	7189	21.587	9.419	0.07	0.309	-23.526	-892.599	1
47189_7190	47189	7190	8.909	-3.983	0.107	0.147	-18.395	-326.541	1
47190_7190	47190	7190	21.587	8.89	0.146	0.112	-22.57	-1022.114	1
47190_7191	47190	7191	8.909	-3.655	0.101	0.109	-17.281	-286.33	1
47191_7191	47191	7191	21.587	-17.873	0.146	0.112	-20.962	-1119.904	1
47191_7192	47191	7192	8.909	-3.655	0.101	0.109	-16.168	-246.12	1
47192_7192	47192	7192	21.588	-18.794	0.008	0.269	-19.354	-923.296	1
47192_7193	47192	7193	8.909	-3.5	0.083	0.252	-15.342	-211.193	1
47193_7193	47193	7193	21.588	-18.794	0.008	0.265	-19.277	-735.727	1
47193_7194	47193	7194	8.909	-3.5	0.083	0.251	-14.516	-176.233	1
47194_7194	47194	7194	21.588	-13.464	0.002	0.573	-19.2	-547.974	1
47194_7195	47194	7195	8.909	-3.445	0.1	0.436	-13.52	-141.82	1
47195_7195	47195	7195	21.588	-13.464	-0.019	0.159	-19.176	-413.471	1
47195_7196	47195	7196	8.909	-3.445	0.091	0.294	-12.614	-107.407	1
47196_7196	47196	7196	21.588	-10.362	-0.036	0.391	-19.367	-278.97	1
47196_7197	47196	7197	8.909	-3.468	0.101	0.427	-11.508	-69.255	1
47197_7197	47197	7197	21.588	-10.362	-0.036	0.391	-19.765	-164.992	1
47197_7198	47197	7198	8.909	-3.468	0.101	0.427	-10.403	-31.105	1
47198_7198	47198	7198	21.588	-9.063	-0.014	0.36	-20.162	-51.016	1
47198_7199	47198	7199	8.908	-3.563	0.152	0.399	-8.316	17.853	1
47199_7199	47199	7199	21.661	-8.888	-0.035	0.589	-20.346	68.715	1
47199_7200	47199	7200	8.937	-3.491	0.143	0.516	-7.131	44.674	1

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47200_7200	47200	7200	21.789	-8.337	0.066	0.358	-20.634	142.035	1
47200_7201	47200	7201	8.993	-3.516	0.191	0.376	-4.883	85.997	1
47201_7201	47201	7201	22.389	-40.664	0.075	1.227	-31.278	-501.308	1
47201_7202	47201	7202	9.077	-3.292	0.199	0.481	-2.229	126.796	1
47202_7202	47202	7202	23.137	-37.966	-0.25	0.55	-29.986	-8.593	1
47202_7203	47202	7203	9.166	-3.196	-0.016	0.473	-2.418	166.852	1
47203_7203	47203	7203	24.099	-37.363	-0.234	1.023	-33.131	467.238	1
47203_7204	47203	7204	9.245	-2.961	-0.009	0.402	-2.525	204.045	1
47204_7204	47204	7204	10.458	-0.578	0.249	0.186	-15.496	-83.265	1
47204_7205	47204	7205	55.443	1.383	-0.58	-0.853	37.771	-64.537	1
47205_7205	47205	7205	10.458	-0.578	0.261	0.202	-13.133	-74.72	1
47205_7206	47205	7206	55.444	1.383	-0.514	-0.626	33.789	-59.086	1
47206_7206	47206	7206	10.458	-0.578	0.248	0.111	-11.109	-70.237	1
47206_7207	47206	7207	55.443	1.383	-0.585	-0.703	29.252	-69.804	1
47207_7207	47207	7207	10.458	-0.565	0.228	0.212	-9.19	-65.753	1
47207_7208	47207	7208	55.445	1.806	-0.83	-0.934	22.613	-84.252	1
47208_7208	47208	7208	10.458	-0.565	0.228	0.212	-7.363	-61.231	1
47208_7209	47208	7209	55.445	1.806	-0.83	-0.934	15.973	-98.698	1
47209_7209	47209	7209	10.458	-0.565	0.241	0.283	-5.536	-56.71	1
47209_7210	47209	7210	55.446	1.806	-0.761	-0.811	9.889	-113.145	1
47210_7210	47210	7210	10.459	-0.577	0.208	0.249	-3.604	-52.188	1
47210_7211	47210	7211	55.447	2.331	-1.053	-1.012	3.572	-127.134	1
47211_7211	47211	7211	10.459	-0.577	0.208	0.249	-2.359	-48.726	1
47211_7212	47211	7212	55.447	2.331	-1.053	-1.012	-2.744	-141.123	1
47212_7212	47212	7212	10.458	-0.577	0.225	0.324	-1.113	-45.263	1
47212_7213	47212	7213	55.449	2.331	-0.96	-0.777	-8.506	-155.113	1
47213_7213	47213	7213	10.459	-0.577	0.208	0.254	0.237	-41.802	1
47213_7214	47213	7214	55.447	2.331	-1.053	-1.035	-14.823	-169.1	1
47214_7214	47214	7214	10.459	-0.577	0.203	0.275	1.482	-38.339	1
47214_7215	47214	7215	55.447	2.578	-1.055	-0.898	-23.261	-189.721	1
47215_7215	47215	7215	10.459	-0.577	0.203	0.275	3.104	-33.725	1
47215_7216	47215	7216	55.447	2.578	-1.055	-0.898	-31.699	-210.343	1
47216_7216	47216	7216	10.458	-0.577	0.216	0.312	4.727	-29.11	1
47216_7217	47216	7217	55.449	2.578	-0.985	-0.635	-39.584	-230.965	1
47217_7217	47217	7217	10.458	-0.578	0.299	0.304	6.454	-24.495	1
47217_7218	47217	7218	55.44	2.639	-0.377	0.488	-42.507	-251.404	1
47218_7218	47218	7218	10.458	-0.578	0.299	0.304	8.769	-20.012	1
47218_7219	47218	7219	55.44	2.639	-0.377	0.488	-45.431	-271.858	1
47219_7219	47219	7219	10.46	-0.578	0.201	0.206	11.084	-18.022	1
47219_7220	47219	7220	55.434	2.639	-0.897	-2.273	-53.951	-310.124	1
47220_7220	47220	7220	28.018	30.446	0.417	-1.934	-41.211	881.301	1
47220_7221	47220	7221	10.417	3.564	0.068	-0.797	-11.859	125.886	1
47221_7221	47221	7221	27.258	27.181	0.298	0.629	-35.622	540.466	1
47221_7222	47221	7222	10.323	3.828	0.036	-0.094	-11.453	77.9	1
47222_7222	47222	7222	26.708	27.126	-0.065	-0.533	-31.606	248.662	1
47222_7223	47222	7223	10.221	3.98	-0.12	-0.507	-13.013	25.11	1
47223_7223	47223	7223	26.069	23.518	-0.101	0.126	-31.38	0.719	1
47223_7224	47223	7224	10.12	4.23	-0.149	-0.065	-14.777	-21.312	1
47224_7224	47224	7224	25.76	25.498	0.107	0.749	-31.828	-218.504	1
47224_7225	47224	7225	10.056	4.324	-0.044	-0.158	-15.139	-56.997	1
47225_7225	47225	7225	25.565	22.438	0.005	-0.458	-29.718	-323.268	1
47225_7226	47225	7226	10.021	4.404	-0.081	-0.245	-16.351	-122.849	1
47226_7226	47226	7226	25.568	28.03	0.205	1.787	-29.648	-659.174	1
47226_7227	47226	7227	10.022	4.467	-0.002	0.204	-16.377	-174.747	1
47227_7227	47227	7227	25.568	21.166	0.116	-1.634	-27.267	-984.817	1
47227_7228	47227	7228	10.022	4.467	-0.037	-0.403	-16.807	-226.6	1
47228_7228	47228	7228	25.568	7.085	0.134	3.151	-25.918	-1230.503	1
47228_7229	47228	7229	10.022	4.667	0.016	0.678	-16.62	-280.784	1
47229_7229	47229	7229	25.568	-9.834	0.024	-2.496	-24.363	-1312.763	1
47229_7230	47229	7230	10.022	4.667	-0.027	-0.53	-16.934	-334.985	1
47230_7230	47230	7230	25.569	-1.547	-0.023	2.876	-24.084	-1198.366	1
47230_7231	47230	7231	10.023	5.049	-0.163	1.083	-18.903	-396.102	1
47231_7231	47231	7231	25.569	-38.347	-0.127	-1.933	-24.36	-1179.628	1
47231_7232	47231	7232	10.023	5.049	-0.203	-0.532	-21.371	-457.33	1
47232_7232	47232	7232	25.558	-32.781	0.593	1.528	-25.9	-714.532	1
47232_7233	47232	7233	10.018	5.68	0.047	1.475	-21.227	-474.7	1
47233_7233	47233	7233	25.75	-32.631	0.553	0.698	-24.078	-614.075	1
47233_7234	47233	7234	9.985	5.739	0.031	0.848	-21.037	-508.908	1
47234_7234	47234	7234	26.105	-32.348	0.517	0.339	-20.784	-419.603	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47234_7235	47234	7235	9.922	5.847	0.017	0.367	-20.894	-557.941	1
47235_7235	47235	7235	26.484	-35.354	0.494	0.04	-16.668	-254.915	1
47235_7236	47235	7236	9.859	5.953	0.001	-0.318	-20.909	-591.651	1
47236_7236	47236	7236	26.724	-32.528	0.086	0.11	-13.877	-63.143	1
47236_7237	47236	7237	9.666	6.582	0.172	1.154	-19.01	-665.91	1
47237_7237	47237	7237	27.361	-34.831	0.006	1.067	-13.034	219.257	1
47237_7238	47237	7238	9.544	6.758	0.143	-0.466	-17.751	-730.173	1
47238_7238	47238	7238	27.288	-25.449	-0.749	-1.023	-13.145	550.323	1
47238_7239	47238	7239	9.236	9.359	-0.243	1.515	-19.908	-818.141	1
47239_7239	47239	7239	27.318	-25.415	-0.817	1.149	-20.016	789.899	1
47239_7240	47239	7240	9.223	9.371	-0.27	-0.683	-22.915	-916.088	1
47240_7240	47240	7240	13.994	1.001	-0.033	-0.445	-6.766	-29.062	1
47240_7241	47240	7241	58.16	-4.517	1.283	1.667	-33.848	-318.965	1
47241_7241	47241	7241	13.994	1.001	-0.081	-0.565	-7.021	-35.756	1
47241_7242	47241	7242	58.164	-4.517	1.084	0.494	-24.575	-275.98	1
47242_7242	47242	7242	13.994	1.001	-0.11	-0.657	-7.713	-44.321	1
47242_7243	47242	7243	58.166	-4.517	0.963	-0.079	-16.671	-238.914	1
47243_7243	47243	7243	13.98	0.894	0.125	-0.325	-8.616	-52.512	1
47243_7244	47243	7244	58.171	-3.898	0.746	0.893	-9.109	-199.334	1
47244_7244	47244	7244	13.981	0.894	0.092	-0.471	-7.352	-61.567	1
47244_7245	47244	7245	58.173	-3.898	0.608	0.42	-3.334	-162.33	1
47245_7245	47245	7245	13.983	0.882	-0.023	-0.257	-6.483	-70.029	1
47245_7246	47245	7246	58.158	-3.958	0.813	0.704	5.074	-121.368	1
47246_7246	47246	7246	13.983	0.882	-0.058	-0.458	-6.717	-79.146	1
47246_7247	47246	7247	58.16	-3.958	0.665	11.248	-84.647	1	1
47247_7247	47247	7247	13.985	0.86	-0.135	-0.101	-7.256	-87.306	1
47247_7248	47247	7248	58.15	-4.002	0.856	0.625	19.282	-47.054	1
47248_7248	47248	7248	13.984	0.86	-0.192	-0.489	-8.527	-95.382	1
47248_7249	47248	7249	58.153	-4.002	0.619	0.433	25.619	-6.085	1
47249_7249	47249	7249	13.988	0.836	-0.381	-0.062	-10.495	-104.167	1
47249_7250	47249	7250	58.145	-4.189	0.734	0.402	32.949	35.759	1
47250_7250	47250	7250	13.987	0.836	-0.418	-0.362	-14.302	-112.521	1
47250_7251	47250	7251	58.147	-4.189	0.578	0.497	38.519	76.096	1
47251_7251	47251	7251	13.959	0.867	0.665	1.121	-18.332	-120.534	1
47251_7252	47251	7252	58.165	-8.118	-0.219	-0.509	36.821	138.992	1
47252_7252	47252	7252	13.962	0.867	0.606	0.587	-13.179	-127.393	1
47252_7253	47252	7253	58.164	-8.118	-0.466	0.076	32.397	215.52	1
47253_7253	47253	7253	28.267	10.436	0.69	-3.2	-26.045	748.485	1
47253_7254	47253	7254	13.596	4.321	0.726	-2.406	-7.745	200.07	1
47254_7254	47254	7254	28.194	12.263	-0.605	-1.243	-21.199	672.403	1
47254_7255	47254	7255	13.512	4.328	-0.414	-0.65	-12.733	149.796	1
47255_7255	47255	7255	27.941	12.34	-0.656	0.573	-27.688	519.285	1
47255_7256	47255	7256	13.42	4.603	-0.445	-0.035	-17.242	103.511	1
47256_7256	47256	7256	27.87	16.482	0.189	-1.047	-34.178	395.184	1
47256_7257	47256	7257	13.323	4.624	-0.042	-0.655	-17.592	60.053	1
47257_7257	47257	7257	27.581	16.963	0.13	-0.019	-32.431	251.96	1
47257_7258	47257	7258	13.241	4.855	-0.07	-0.189	-18.105	30.985	1
47258_7258	47258	7258	27.424	17.215	0.097	0.428	-31.504	130.766	1
47258_7259	47258	7259	13.196	4.976	-0.086	0.014	-18.545	5.616	1
47259_7259	47259	7259	27.267	18.507	0.288	0.176	-31.001	42.985	1
47259_7260	47259	7260	13.146	5.017	0.094	-0.141	-17.81	-33.316	1
47260_7260	47260	7260	27.135	18.701	0.205	0.092	-28.768	-102.75	1
47260_7261	47260	7261	13.11	5.111	0.055	-0.111	-17.338	-78.703	1
47261_7261	47261	7261	27.135	18.701	0.174	-0.209	-26.986	-265.075	1
47261_7262	47261	7262	13.111	5.111	0.04	-0.2	-17.018	-119.874	1
47262_7262	47262	7262	27.137	21.876	0.322	0.966	-25.581	-415.74	1
47262_7263	47262	7263	13.111	5.16	0.113	0.227	-15.706	-179.643	1
47263_7263	47263	7263	27.137	21.876	0.264	-0.459	-21.85	-669.094	1
47263_7264	47263	7264	13.111	5.16	0.085	-0.156	-14.727	-238.853	1
47264_7264	47264	7264	27.137	27.241	0.058	2.604	-18.818	-920.159	1
47264_7265	47264	7265	13.112	5.371	0.052	0.786	-14.114	-301.778	1
47265_7265	47265	7265	27.137	4.689	-0.041	-1.904	-18.144	-1239.223	1
47265_7266	47265	7266	13.112	5.371	0.005	-0.312	-14.062	-362.709	1
47266_7266	47266	7266	27.141	-2.953	0.193	2.598	-18.611	-1292.605	1
47266_7267	47266	7267	13.111	5.771	-0.053	1.19	-14.671	-428.959	1
47267_7267	47267	7267	27.141	-2.953	0.111	-1.208	-16.393	-1258.738	1
47267_7268	47267	7268	13.111	5.771	-0.093	-0.106	-15.746	-495.777	1
47268_7268	47268	7268	27.165	-33.93	1.004	3.848	-15.105	-1224.674	1
47268_7269	47268	7269	13.119	6.432	0.226	2.243	-14.842	-521.546	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47269_7269	47269	7269	27.504	-41.573	0.928	1.247	-11.267	-1103.286	1
47269_7270	47269	7270	13.062	6.549	0.194	1.108	-12.938	-586.129	1
47270_7270	47270	7270	28.24	-46.518	0.89	-0.985	-1.437	-988.798	1
47270_7271	47270	7271	12.958	6.753	0.159	-0.24	-11.324	-655.332	1
47271_7271	47271	7271	29.131	-42.737	1.339	1.117	7.765	-519.097	1
47271_7272	47271	7272	12.826	7.557	0.961	2.172	0.572	-751.437	1
47272_7272	47272	7272	30.087	-42.073	1.225	0.598	24.223	5.58	1
47272_7273	47272	7273	12.658	7.842	0.906	-0.98	11.709	-849.263	1
47273_7273	47273	7273	29.507	-29.014	-5.879	1.972	39.686	530.284	1
47273_7274	47273	7274	12.128	11.122	-3.01	3.025	-4.699	-911.371	1
47274_7274	47274	7274	29.883	-28.614	-5.943	3.498	7.153	691.748	1
47274_7275	47274	7275	11.969	11.284	-3.04	0.954	-29.284	-1001.989	1
47275_7275	47275	7275	11.965	0.803	-0.035	-1.606	4.779	-24.681	1
47275_7276	47275	7276	63.293	-7.754	-2.596	-2.929	-53.538	-371.961	1
47276_7276	47276	7276	11.963	0.81	-0.109	-0.291	4.585	-29.136	1
47276_7277	47276	7277	63.42	-5.423	1.859	1.506	-46.104	-350.418	1
47277_7277	47277	7277	11.963	0.81	-0.13	-0.332	4.148	-31.045	1
47277_7278	47277	7278	63.423	-5.423	1.751	0.713	-28.366	-288.446	1
47278_7278	47278	7278	11.963	0.81	-0.164	-0.445	2.833	-39.249	1
47278_7279	47278	7279	63.428	-5.423	1.569	-0.116	-13.901	-238.442	1
47279_7279	47279	7279	11.963	0.957	-0.15	-0.223	1.32	-46.724	1
47279_7280	47279	7280	63.407	-4.9	0.299	1.044	-10.406	-181.274	1
47280_7280	47280	7280	11.963	0.957	-0.2	-0.464	-0.433	-57.897	1
47280_7281	47280	7281	63.408	-4.9	0.034	0.287	-9.988	-121.587	1
47281_7281	47281	7281	11.968	0.785	0.033	-0.05	-2.87	-75.775	1
47281_7282	47281	7282	63.422	-5.137	0.479	0.389	-4.05	-90.807	1
47282_7282	47282	7282	11.968	0.785	-0.001	-0.292	-2.466	-85.507	1
47282_7283	47282	7283	63.423	-5.137	0.3	0.132	-0.612	-31.922	1
47283_7283	47283	7283	11.962	0.841	-0.308	0.106	-2.481	-94.524	1
47283_7284	47283	7284	63.45	-5.897	1.38	0.113	14.166	31.192	1
47284_7284	47284	7284	11.961	0.841	-0.357	-0.315	-5.78	-103.526	1
47284_7285	47284	7285	63.455	-5.897	1.123	0.24	25.072	88.481	1
47285_7285	47285	7285	11.96	0.721	-0.41	0.367	-9.247	-111.691	1
47285_7286	47285	7286	63.464	-8.697	-0.474	-0.293	21.197	159.517	1
47286_7286	47286	7286	11.959	0.721	-0.43	0.166	-12.596	-117.581	1
47286_7287	47286	7287	63.463	-8.697	-0.583	-0.021	16.916	223.412	1
47287_7287	47287	7287	11.958	0.721	-0.457	-0.128	-15.758	-123.423	1
47287_7288	47287	7288	63.462	-8.697	-0.724	0.444	11.114	290.21	1
47288_7288	47288	7288	8.497	48.693	-0.634	0.255	-6.848	27.675	1
47288_7289	47288	7289	1.545	-9.37	-0.31	0.677	-15.011	-888.064	1
47289_7289	47289	7289	7.597	42.792	-0.62	-0.89	-15.732	-273.522	1
47289_7290	47289	7290	1.686	-9.492	-0.314	-2.093	-18.985	-799.349	1
47290_7290	47290	7290	6.994	46.578	-0.158	0.96	-22.912	-529.877	1
47290_7291	47290	7291	1.993	-7.279	-0.145	0.718	-20.208	-745.775	1
47291_7291	47291	7291	6.12	41.922	-0.185	0.711	-24.34	-626.414	1
47291_7292	47291	7292	2.122	-7.243	-0.147	0.406	-21.451	-682.684	1
47292_7292	47292	7292	5.451	39.745	-0.201	-2.566	-25.848	-864.656	1
47292_7293	47292	7293	2.236	-7.208	-0.157	-2.094	-22.07	-651.448	1
47293_7293	47293	7293	5.093	47.171	0.35	2.334	-26.585	-834.644	1
47293_7294	47293	7294	2.33	-4.89	0.17	1.198	-20.891	-616.616	1
47294_7294	47294	7294	4.926	42.307	0.307	0.429	-23.897	-934.694	1
47294_7295	47294	7295	2.349	-4.882	0.165	0.138	-19.465	-574.656	1
47295_7295	47295	7295	4.927	5.507	0.295	-2.467	-21.261	-1299.676	1
47295_7296	47295	7296	2.349	-4.882	0.16	-1.136	-18.336	-540.856	1
47296_7296	47296	7296	4.927	13.23	0.239	2.205	-19.177	-1338.655	1
47296_7297	47296	7297	2.35	-4.186	0.191	0.804	-16.235	-494.926	1
47297_7297	47297	7297	4.927	13.23	0.226	-1.703	-16.553	-1484.014	1
47297_7298	47297	7298	2.351	-4.186	0.185	-0.499	-14.126	-447.23	1
47298_7298	47298	7298	4.928	-12.958	0.196	3.218	-13.979	-1634.919	1
47298_7299	47298	7299	2.351	-3.595	0.185	0.981	-12.046	-406.914	1
47299_7299	47299	7299	4.929	-21.58	0.178	-2.22	-11.778	-1489.431	1
47299_7300	47299	7300	2.352	-3.595	0.177	-0.504	-9.818	-361.6	1
47300_7300	47300	7300	4.931	-16.788	0.245	2.024	-9.535	-1217.531	1
47300_7301	47300	7301	2.353	-3.178	0.185	0.753	-7.566	-322.915	1
47301_7301	47301	7301	4.932	-16.788	0.229	-1.264	-6.545	-1012.97	1
47301_7302	47301	7302	2.354	-3.178	0.177	-0.295	-5.502	-285.894	1
47302_7302	47302	7302	4.931	-11.743	0.165	1.642	-3.874	-817.487	1
47302_7303	47302	7303	2.354	-2.941	0.16	0.722	-3.46	-248.337	1
47303_7303	47303	7303	4.932	-11.743	0.147	-0.848	-1.759	-667.39	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47303_7304	47303	7304	2.355	-2.941	0.151	-0.205	-1.792	-215.844	1
47304_7304	47304	7304	4.932	-8.415	0.089	1.299	-0.134	-537.739	1
47304_7305	47304	7305	2.354	-2.77	0.087	0.655	-0.785	-183.864	1
47305_7305	47305	7305	4.932	-8.415	0.071	-0.265	0.891	-440.509	1
47305_7306	47305	7306	2.354	-2.77	0.079	0.002	0.18	-149.879	1
47306_7306	47306	7306	4.93	-6.433	-0.081	1.019	1.765	-337.292	1
47306_7307	47306	7307	2.353	-2.611	-0.036	0.579	-0.243	-118.86	1
47307_7307	47307	7307	4.93	-6.433	-0.1	-0.025	0.807	-260.831	1
47307_7308	47307	7308	2.353	-2.611	-0.045	0.104	-0.781	-87.686	1
47308_7308	47308	7308	4.959	-5.775	1.772	0.692	-0.392	-184.067	1
47308_7309	47308	7309	2.376	-2.685	1.42	0.437	16.259	-55.48	1
47309_7309	47309	7309	4.967	-5.775	1.751	0.208	20.876	-114.762	1
47309_7310	47309	7310	2.382	-2.685	1.41	0.202	32.919	-23.753	1
47310_7310	47310	7310	4.903	-5.409	-3.108	-0.129	41.572	-46.518	1
47310_7311	47310	7311	2.331	-2.544	-2.461	0.049	0	10.275	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
7000_7000	7000	7000	-0.784	-3.017	0.116	0.08	0	-2.865	1
7000_7001	7000	7001	-2.244	3.013	-0.171	-0.091	-1.8	-18.154	1
7001_7001	7001	7001	-42.225	15.941	-0.059	-0.042	-0.623	-324.34	1
7001_7002	7001	7002	-4.651	3.172	-0.164	-0.093	-3.268	-37.143	1
7002_7002	7002	7002	-68.566	12.906	0.052	0.01	-1.574	-525.101	1
7002_7003	7002	7003	-7.952	3.343	0.05	-0.107	-2.542	-62.529	1
7003_7003	7003	7003	-94.872	0.333	0.058	-0.136	-1.081	-724.99	1
7003_7004	7003	7004	-11.272	3.343	0.049	-0.12	-1.943	-87.696	1
7004_7004	7004	7004	-109.58	1.016	-0.003	0.115	-0.509	-837.248	1
7004_7005	7004	7005	-14.546	3.298	-0.012	-0.078	-2.085	-112.503	1
7005_7005	7005	7005	-122.461	-6.118	-0.002	-0.246	-0.691	-935.348	1
7005_7006	7005	7006	-17.821	3.298	-0.012	-0.122	-2.23	-137.322	1
7006_7006	7006	7006	-126.549	-2.399	-0.014	0.115	-0.866	-966.581	1
7006_7007	7006	7007	-21.151	3.353	-0.036	-0.059	-2.663	-162.554	1
7007_7007	7007	7007	-133.369	-8.963	-0.015	-0.28	-1.21	-1018.36	1
7007_7008	7007	7008	-24.483	3.355	-0.036	-0.123	-3.092	-187.849	1
7008_7008	7008	7008	-132.945	-4.572	-0.034	0.124	-1.586	-1015.139	1
7008_7009	7008	7009	-27.86	3.402	-0.039	-0.032	-3.562	-213.438	1
7009_7009	7009	7009	-136.336	-11.03	-0.035	-0.278	-2.199	-1040.786	1
7009_7010	7009	7010	-31.238	3.402	-0.039	-0.115	-4.034	-239.041	1
7010_7010	7010	7010	-132.866	-6.838	-0.028	0.123	-2.806	-1014.405	1
7010_7011	7010	7011	-34.709	3.502	-0.038	-0.002	-4.448	-265.58	1
7011_7011	7011	7011	-133.124	-13.331	-0.028	-0.244	-3.308	-1016.265	1
7011_7012	7011	7012	-38.186	3.502	-0.038	-0.099	-4.907	-291.928	1
7012_7012	7012	7012	-127.278	-22.963	-0.058	0.136	-3.485	-972.046	1
7012_7013	7012	7013	-41.841	3.681	-0.038	0.039	-5.373	-319.626	1
7013_7013	7013	7013	-124.783	-29.363	-0.058	-0.209	-4.349	-953.04	1
7013_7014	7013	7014	-45.498	3.681	-0.039	-0.085	-5.84	-347.338	1
7014_7014	7014	7014	-115.205	-27.906	-0.039	0.048	-5.117	-880.348	1
7014_7015	7014	7015	-50.509	3.87	-0.042	0.025	-6.48	-385.391	1
7015_7015	7015	7015	-113.215	-35.613	-0.033	-0.035	-3.993	-814.435	1
7015_7016	7015	7016	-56.571	3.708	-0.029	0.005	-4.666	-416.083	1
7016_7016	7016	7016	-99.497	-19.882	0.012	0.084	-4.02	-737.175	1
7016_7017	7016	7017	-55.849	4.249	-0.015	0.069	-4.799	-456.643	1
7017_7017	7017	7017	-78.407	-26.396	0.011	0.017	-3.665	-662.387	1
7017_7018	7017	7018	-50.503	4.207	-0.015	0.068	-4.97	-511.435	1
7018_7018	7018	7018	-49.158	-29.631	-0.007	0.093	-3.224	-522.946	1
7018_7019	7018	7019	-44.434	4.631	-0.003	0.162	-5.01	-568.991	1
7019_7019	7019	7019	-25.12	-35.622	0.004	0.046	-2.901	-369.617	1
7019_7020	7019	7020	-38.038	4.783	-0.003	0.096	-5.018	-630.492	1
7020_7020	7020	7020	-70.376	-7.429	0.023	0.063	-4.452	-260.71	1
7020_7021	7020	7021	-25.085	-19.465	0.081	0.042	-1.754	-249.42	1
7021_7021	7021	7021	-75.199	-10.509	0.011	0.029	-2.963	-317.234	1
7021_7022	7021	7022	-14.823	-14.888	0.066	0.012	-1.444	-173.418	1
7022_7022	7022	7022	-78.419	-13.744	0.007	-0.012	-2.614	-359.562	1
7022_7023	7022	7023	-5.172	-1.163	0.057	0.004	-2.391	-90.646	1
7023_7023	7023	7023	-80.451	-8.309	0.037	0.052	-2.156	-414.086	1
7023_7024	7023	7024	-4.372	-1.057	0.045	0.03	-1.945	-82.158	1
7024_7024	7024	7024	-83.532	-12.421	0.033	0.005	-1.656	-455.43	1
7024_7025	7024	7025	-3.582	-1.057	0.044	0.021	-1.595	-76.865	1
7025_7025	7025	7025	-84.311	-16.984	0.026	0.002	-1.227	-478.981	1
7025_7026	7025	7026	-2.817	-0.992	0.04	0.02	-1.175	-66.58	1
7026_7026	7026	7026	-83.11	-15.038	0.028	0.047	-0.891	-484.779	1
7026_7027	7026	7027	-2.27	-0.962	0.038	0.029	-0.93	-61.559	1
7027_7027	7027	7027	-84.342	-18.517	0.021	0.055	-0.659	-500.941	1
7027_7028	7027	7028	-1.738	-0.948	0.037	0.03	-0.698	-56.919	1
7028_7028	7028	7028	-84.405	-22.257	0.016	-0.032	-0.509	-506.763	1
7028_7029	7028	7029	-1.549	0.519	-0.008	-0.01	0.43	28.742	1
7029_7029	7029	7029	-83.039	-15.515	-0.021	-0.05	-0.484	-496.681	1
7029_7030	7029	7030	-1.856	0.558	-0.009	-0.011	0.405	28.757	1
7030_7030	7030	7030	-81.287	-12.079	-0.017	0.006	-0.657	-478.986	1
7030_7031	7030	7031	-2.314	0.657	-0.011	-0.019	0.364	30.24	1
7031_7031	7031	7031	-81.73	-17.029	-0.024	-0.003	-0.905	-471.221	1
7031_7032	7031	7032	-2.827	0.71	-0.013	-0.021	0.267	29.038	1
7032_7032	7032	7032	-80.068	-21.597	-0.029	-0.059	-1.253	-445.711	1
7032_7033	7032	7033	-3.379	0.755	-0.014	-0.018	0.147	26.992	1
7033_7033	7033	7033	-76.045	-21.677	0.007	-0.03	-1.675	-402.525	1
7033_7034	7033	7034	-12.737	16.862	-0.066	-0.008	-1.019	-157.934	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7034_7034	7034	7034	-72.919	-25.768	-0.007	0.009	-1.875	-364.246	1
7034_7035	7034	7035	-25.664	19.339	-0.062	0.013	-1.271	-236.158	1
7035_7035	7035	7035	-67.247	-23.585	-0.026	-0.077	-3.265	-305.101	1
7035_7036	7035	7036	-42.373	24.822	-0.077	-0.048	-1.76	-371.713	1
7036_7036	7036	7036	-14.082	-3.548	0.006	0.057	-0.203	-157.691	1
7036_7037	7036	7037	-44.761	-20.695	0.002	0.193	3.202	-387.267	1
7037_7037	7037	7037	-18.201	-0.147	-0.009	-0.062	-2.043	-329.2	1
7037_7038	7037	7038	-36.397	-14.338	0.013	0.069	3.056	-247.635	1
7038_7038	7038	7038	-36.457	-2.673	-0.015	-0.018	-2.344	-464.699	1
7038_7039	7038	7039	-37.221	-5.034	0.011	-0.05	-3.19	-375.942	1
7039_7039	7039	7039	-59.712	-9.001	-0.023	-0.102	-2.778	-577.262	1
7039_7040	7039	7040	-36.92	-4.858	0.008	-0.078	-3.092	-329.759	1
7040_7040	7040	7040	-73.593	-8.341	0.014	0.051	-3.204	-630.312	1
7040_7041	7040	7041	-34.738	-4.241	0.011	0.009	-3.001	-304.846	1
7041_7041	7041	7041	-92.502	-13.306	0.003	-0.043	-1.507	-628.877	1
7041_7042	7041	7042	-32.98	-4.199	0.004	-0.024	-1.352	-242.696	1
7042_7042	7042	7042	-98.126	-11.548	0.013	0.039	-1.563	-664.41	1
7042_7043	7042	7043	-28.545	-3.717	0.008	0.015	-1.244	-213.388	1
7043_7043	7043	7043	-106.121	-17.952	0.01	-0.059	-1.464	-711.229	1
7043_7044	7043	7044	-24.16	-3.702	0.007	-0.016	-1.154	-186.242	1
7044_7044	7044	7044	-107.626	-2.385	0.003	0.018	-1.425	-709.907	1
7044_7045	7044	7045	-19.958	-3.515	0.006	0.015	-1.075	-158.539	1
7045_7045	7045	7045	-114.24	-9.529	0.001	-0.033	-1.39	-747.315	1
7045_7046	7045	7046	-22.185	3.814	-0.01	-0.026	-1.109	-144.522	1
7046_7046	7046	7046	-112.262	-5.357	-0.003	0.05	-1.374	-733.888	1
7046_7047	7046	7047	-26.744	3.866	-0.01	-0.002	-1.236	-173.061	1
7047_7047	7047	7047	-115.222	-12.487	-0.006	-0.059	-1.402	-751.467	1
7047_7048	7047	7048	-31.333	3.891	-0.01	-0.027	-1.365	-201.892	1
7048_7048	7048	7048	-110.078	-8.531	-0.009	0.031	-1.452	-720.62	1
7048_7049	7048	7049	-36.007	3.949	-0.01	0.005	-1.488	-230.397	1
7049_7049	7049	7049	-109.287	-15.684	-0.012	-0.023	-1.54	-716.351	1
7049_7050	7049	7050	-40.696	3.967	-0.01	-0.012	-1.613	-259.517	1
7050_7050	7050	7050	-101.666	-12.43	-0.005	0.037	-1.63	-669.632	1
7050_7051	7050	7051	-47.146	4.206	-0.012	0.021	-1.798	-299.506	1
7051_7051	7051	7051	-91.151	-21.483	-0.011	-0.053	-1.933	-658.186	1
7051_7052	7051	7052	-47.008	4.122	-0.014	-0.007	-2.22	-333.749	1
7052_7052	7052	7052	-81.618	-18.538	0.015	0.086	-1.974	-610.044	1
7052_7053	7052	7053	-47.433	4.507	-0.004	0.07	-2.246	-375.903	1
7053_7053	7053	7053	-59.617	-25.185	0.018	0.003	-2.337	-597.064	1
7053_7054	7053	7054	-39.853	4.646	-0.006	0.066	-3.158	-452.908	1
7054_7054	7054	7054	-37.143	-28.601	-0.009	0.092	-1.949	-481.134	1
7054_7055	7054	7055	-39.421	18.981	0.005	-0.045	2.719	-364.403	1
7055_7055	7055	7055	-17.993	-34.851	-0.001	0.065	-1.812	-345.02	1
7055_7056	7055	7056	-46.859	26.665	0.017	-0.257	2.999	-568.97	1
7056_7056	7056	7056	-64.73	-7.407	0.02	0.116	-3.006	-259.653	1
7056_7057	7056	7057	-18.351	-18.368	0.065	0.07	-1.339	-224.622	1
7057_7057	7057	7057	-70.681	-4.808	0.006	0.055	-2.014	-350.009	1
7057_7058	7057	7058	-7.683	-14.228	0.06	0.032	-1.162	-159.683	1
7058_7058	7058	7058	-75.424	-8.618	0.001	-0.04	-1.755	-406.718	1
7058_7059	7058	7059	-5.125	-0.979	0.039	0.018	-1.673	-84.497	1
7059_7059	7059	7059	-78.107	-8.671	0.027	0.158	-1.591	-449.037	1
7059_7060	7059	7060	-4.492	-0.897	0.03	0.071	-1.38	-76.805	1
7060_7060	7060	7060	-81.52	-12.839	0.025	0.044	-1.229	-495.535	1
7060_7061	7060	7061	-3.873	-0.897	0.029	0.052	-1.15	-72.106	1
7061_7061	7061	7061	-82.686	-17.462	0.022	-0.078	-0.911	-522.638	1
7061_7062	7061	7062	-4.07	0.879	-0.026	-0.072	-0.032	-51.851	1
7062_7062	7062	7062	-81.874	-15.331	0.02	0.149	-0.649	-530.129	1
7062_7063	7062	7063	-4.529	0.887	-0.027	-0.044	-0.193	-55.338	1
7063_7063	7063	7063	-83.254	-18.81	0.017	-0.014	-0.491	-548.384	1
7063_7064	7063	7064	-4.989	0.887	-0.027	-0.061	-0.357	-58.825	1
7064_7064	7064	7064	-83.493	-22.547	0.011	-0.01	-0.383	-555.479	1
7064_7065	7064	7065	-5.453	0.916	-0.029	-0.063	-0.53	-64.897	1
7065_7065	7065	7065	-82.893	-15.576	-0.017	-0.069	-0.428	-547.979	1
7065_7066	7065	7066	-5.928	0.916	-0.029	-0.064	-0.703	-68.501	1
7066_7066	7066	7066	-81.337	-11.913	-0.018	-0.026	-0.577	-529.195	1
7066_7067	7066	7067	-6.582	0.956	-0.031	-0.056	-0.97	-76.136	1
7067_7067	7067	7067	-81.921	-16.9	-0.023	-0.039	-0.818	-521.115	1
7067_7068	7067	7068	-7.242	0.987	-0.033	-0.058	-1.259	-84.183	1
7068_7068	7068	7068	-80.552	-21.511	-0.027	-0.059	-1.124	-493.684	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7068_7069	7068	7069	-7.923	0.987	-0.033	-0.059	-1.521	-89.36	1
7069_7069	7069	7069	-76.964	-21.483	0.007	0.014	-1.49	-447.123	1
7069_7070	7069	7070	-8.624	1.046	-0.045	-0.026	-1.867	-94.672	1
7070_7070	7070	7070	-74.191	-25.67	0	-0.081	-1.643	-405.392	1
7070_7071	7070	7071	-18.804	18.462	-0.058	-0.037	-1.04	-229.543	1
7071_7071	7071	7071	-69.245	-23.555	-0.017	-0.093	-2.456	-332.142	1
7071_7072	7071	7072	-35.212	23.377	-0.063	-0.032	-1.363	-350.406	1
7072_7072	7072	7072	-13.718	-0.449	0.012	-0.08	-1.569	-173.886	1
7072_7073	7072	7073	-34.782	-4.592	0.009	-0.171	-2.987	-510.596	1
7073_7073	7073	7073	-19.896	-0.169	-0.001	-0.076	-1.72	-349.211	1
7073_7074	7073	7074	-39.589	-4.426	0.009	-0.128	-2.873	-456.603	1
7074_7074	7074	7074	-38.069	-2.815	-0.014	-0.027	-1.849	-489.574	1
7074_7075	7074	7075	-43.11	-4.19	0.002	-0.073	-2.842	-405.687	1
7075_7075	7075	7075	-67.356	-9.238	-0.016	-0.08	-1.621	-574.223	1
7075_7076	7075	7076	-47.584	-4.106	0.001	-0.064	-2.063	-344.261	1
7076_7076	7076	7076	-82.545	-8.305	0.014	0.016	-1.903	-627.57	1
7076_7077	7076	7077	-45.708	-3.752	0.01	-0.009	-1.984	-323.06	1
7077_7077	7077	7077	-85.484	-12.86	0.017	-0.071	-2.653	-692.127	1
7077_7078	7077	7078	-37.669	-3.793	0.014	-0.039	-2.653	-290.734	1
7078_7078	7078	7078	-92.341	0.607	0.017	0.032	-2.678	-734	1
7078_7079	7078	7079	-34.132	-3.644	0.016	0.021	-2.464	-261.793	1
7079_7079	7079	7079	-101.536	-6.106	0.015	-0.092	-2.496	-795.644	1
7079_7080	7079	7080	-30.621	-3.565	0.015	-0.018	-2.267	-232.413	1
7080_7080	7080	7080	-103.998	-2.09	0.002	0.05	-2.317	-809.213	1
7080_7081	7080	7081	-27.224	-3.505	0.014	0.038	-2.108	-207.787	1
7081_7081	7081	7081	-110.183	-8.72	-0.001	-0.095	-2.289	-850.919	1
7081_7082	7081	7082	-23.884	-3.413	0.014	0.003	-1.911	-178.943	1
7082_7082	7082	7082	-109.58	-4.267	0.001	0.061	-2.281	-844.805	1
7082_7083	7082	7083	-20.95	3.32	-0.018	-0.023	-1.68	-158.089	1
7083_7083	7083	7083	-113.034	-11.383	-0.002	-0.072	-2.259	-869.674	1
7083_7084	7083	7084	-24.42	3.344	-0.018	-0.047	-1.912	-184.392	1
7084_7084	7084	7084	-109.078	-19.498	-0.004	0.08	-2.275	-841.13	1
7084_7085	7084	7085	-27.72	3.413	-0.018	-0.003	-2.125	-209.755	1
7085_7085	7085	7085	-109.589	-25.88	-0.006	-0.045	-2.337	-844.72	1
7085_7086	7085	7086	-31.038	3.442	-0.018	-0.035	-2.336	-235.422	1
7086_7086	7086	7086	-103.298	-21.967	-0.016	0.142	-2.419	-800.403	1
7086_7087	7086	7087	-34.464	3.533	-0.02	0.042	-2.562	-260.567	1
7087_7087	7087	7087	-100.884	-28.41	-0.019	-0.094	-2.607	-785.329	1
7087_7088	7087	7088	-37.897	3.555	-0.02	-0.042	-2.792	-286.59	1
7088_7088	7088	7088	-92.44	-13.462	-0.012	0.104	-2.671	-731.966	1
7088_7089	7088	7089	-42.199	3.701	-0.017	0.053	-3.026	-319.238	1
7089_7089	7089	7089	-84.843	-21.365	-0.016	-0.099	-2.459	-722.191	1
7089_7090	7089	7090	-43.064	3.616	-0.016	-0.015	-2.855	-356.259	1
7090_7090	7090	7090	-75.417	-18.364	0.015	0.116	-2.511	-666.514	1
7090_7091	7090	7091	-42.894	3.911	-0.008	0.087	-2.946	-393.417	1
7091_7091	7091	7091	-59.191	-25.125	0.015	0.032	-2.794	-615.603	1
7091_7092	7091	7092	-38.526	3.943	-0.01	0.088	-3.863	-445.636	1
7092_7092	7092	7092	-36.171	-28.441	-0.011	0.094	-2.407	-489.681	1
7092_7093	7092	7093	-33.85	4.377	-0.017	0.157	-4.028	-502.688	1
7093_7093	7093	7093	-17.014	-34.877	-0.001	0.066	-2.241	-346.472	1
7093_7094	7093	7094	-41.536	29.54	0.023	-0.242	3.651	-522.881	1
7094_7094	7094	7094	-63.678	-7.378	0.028	0.105	-3.508	-262.912	1
7094_7095	7094	7095	-17.218	-16.306	0.079	0.067	-1.702	-229.261	1
7095_7095	7095	7095	-67.27	-10.697	0.022	0.071	-3.303	-340.876	1
7095_7096	7095	7096	-6.878	-0.824	0.06	0.036	-2.866	-85.211	1
7096_7096	7096	7096	-71.369	-8.694	0.003	-0.042	-2.589	-417.516	1
7096_7097	7096	7097	-6.366	-0.791	0.057	0.012	-2.315	-77.477	1
7097_7097	7097	7097	-73.633	-8.616	0.047	0.167	-2.344	-460.631	1
7097_7098	7097	7098	-5.889	-0.74	0.046	0.063	-1.936	-73.001	1
7098_7098	7098	7098	-76.676	-12.859	0.044	0.047	-1.774	-508.935	1
7098_7099	7098	7099	-5.427	-0.715	0.044	0.042	-1.533	-66.576	1
7099_7099	7099	7099	-77.6	-17.578	0.04	-0.085	-1.263	-536.824	1
7099_7100	7099	7100	-4.968	-0.715	0.043	0.026	-1.189	-62.692	1
7100_7100	7100	7100	-76.659	-15.175	0.036	0.058	-0.833	-543.918	1
7100_7101	7100	7101	-4.629	-0.68	0.041	0.045	-0.89	-55.91	1
7101_7101	7101	7101	-77.943	-18.693	0.03	-0.14	-0.581	-563.433	1
7101_7102	7101	7102	-4.301	-0.68	0.041	0.026	-0.645	-53.138	1
7102_7102	7102	7102	-78.163	-22.484	0.015	0.205	-0.412	-571.293	1
7102_7103	7102	7103	-3.974	-0.68	0.042	0.061	-0.393	-50.364	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7103_7103	7103	7103	-77.435	-15.692	-0.027	-0.044	-0.609	-563.984	1
7103_7104	7103	7104	-4.194	0.864	-0.042	-0.061	-1.301	-70.166	1
7104_7104	7104	7104	-75.967	-11.701	-0.033	0.05	-0.87	-544.52	1
7104_7105	7104	7105	-4.741	0.852	-0.039	-0.042	-1.614	-74.796	1
7105_7105	7105	7105	-76.683	-16.808	-0.039	-0.087	-1.329	-537.59	1
7105_7106	7105	7106	-5.294	0.901	-0.043	-0.065	-2.037	-84.122	1
7106_7106	7106	7106	-75.527	-21.531	-0.046	-0.089	-1.871	-509.739	1
7106_7107	7106	7107	-5.872	0.901	-0.043	-0.064	-2.382	-89.013	1
7107_7107	7107	7107	-72.252	-21.359	0.015	-0.026	-2.509	-461.431	1
7107_7108	7107	7108	-6.466	0.984	-0.062	-0.038	-2.948	-97.407	1
7108_7108	7108	7108	-69.787	-25.681	0.001	-0.031	-2.744	-418.418	1
7108_7109	7108	7109	-15.605	18.706	-0.086	-0.012	-1.639	-227.696	1
7109_7109	7109	7109	-67.135	-29.51	-0.007	-0.092	-2.843	-351.108	1
7109_7110	7109	7110	-32.519	22.744	-0.075	-0.042	-1.705	-342.854	1
7110_7110	7110	7110	-12.582	-1.043	0.014	-0.06	-1.768	-197.284	1
7110_7111	7110	7111	-34.762	-19.644	-0.018	0.274	3.922	-317.107	1
7111_7111	7111	7111	-19.49	-0.454	0.002	-0.098	-2.481	-355.354	1
7111_7112	7111	7112	-38.205	-4.683	0.019	-0.163	-3.958	-461.062	1
7112_7112	7112	7112	-36.986	-3.054	-0.004	-0.05	-2.678	-494.702	1
7112_7113	7112	7113	-41.477	-4.374	0.015	-0.097	-3.764	-406.291	1
7113_7113	7113	7113	-59.801	-9.799	-0.007	-0.098	-2.374	-606.672	1
7113_7114	7113	7114	-42.128	-4.35	0.011	-0.077	-2.846	-360.7	1
7114_7114	7114	7114	-72.462	-8.929	0.02	-0.004	-2.605	-656.898	1
7114_7115	7114	7115	-40.205	-4.06	0.018	-0.029	-2.699	-334.964	1
7115_7115	7115	7115	-89.604	-13.411	0.015	-0.024	-2.104	-635.464	1
7115_7116	7115	7116	-39.038	-4.093	0.015	-0.015	-2.039	-266.721	1
7116_7116	7116	7116	-94.018	-11.866	0.02	0.032	-2.011	-664.914	1
7116_7117	7116	7117	-34.931	-3.91	0.016	0.017	-1.855	-239.321	1
7117_7117	7117	7117	-100.99	-18.127	0.02	-0.044	-1.839	-708.264	1
7117_7118	7117	7118	-30.857	-3.877	0.016	-0.009	-1.672	-211.812	1
7118_7118	7118	7118	-102.055	-14.249	0.011	0.008	-1.647	-712.232	1
7118_7119	7118	7119	-26.885	-3.776	0.015	0.019	-1.5	-184.954	1
7119_7119	7119	7119	-107.776	-9.385	0.009	-0.005	-1.516	-740.875	1
7119_7120	7119	7120	-22.959	-3.721	0.015	0.018	-1.322	-157.602	1
7120_7120	7120	7120	-106.074	-16.316	0.01	0.081	-1.424	-732.046	1
7120_7121	7120	7121	-18.832	-3.633	0.014	0.042	-1.131	-128.51	1
7121_7121	7121	7121	-109.55	-23.313	0.007	-0.068	-1.309	-752.232	1
7121_7122	7121	7122	-15.342	2.258	-0.007	-0.026	-0.865	-109.853	1
7122_7122	7122	7122	-104.404	-19.389	0.006	0.058	-1.225	-718.599	1
7122_7123	7122	7123	-17.755	2.347	-0.006	-0.002	-0.943	-127.986	1
7123_7123	7123	7123	-104.093	-25.991	0.004	-0.021	-1.164	-717.369	1
7123_7124	7123	7124	-20.226	2.388	-0.006	-0.017	-1.015	-145.899	1
7124_7124	7124	7124	-96.234	-21.945	-0.001	0.088	-1.128	-669.083	1
7124_7125	7124	7125	-22.834	2.494	-0.006	0.018	-1.09	-163.562	1
7125_7125	7125	7125	-92.822	-28.592	-0.004	-0.05	-1.149	-650.343	1
7125_7126	7125	7126	-25.478	2.562	-0.007	-0.02	-1.168	-183.835	1
7126_7126	7126	7126	-82.821	-13.967	-0.006	0.047	-1.163	-595.922	1
7126_7127	7126	7127	-28.974	2.799	-0.005	0.02	-1.235	-208.44	1
7127_7127	7127	7127	-79.015	-21.98	-0.01	-0.023	-1.106	-564.369	1
7127_7128	7127	7128	-31.406	2.75	-0.005	0.001	-1.15	-227.037	1
7128_7128	7128	7128	-68.855	-18.471	0.003	0.055	-1.173	-513.411	1
7128_7129	7128	7129	-31.891	3.346	-0.008	0.04	-1.228	-258.706	1
7129_7129	7129	7129	-48.18	-25.317	0	-0.016	-1.375	-500.476	1
7129_7130	7129	7130	-37.579	15.65	0.007	-0.118	1.197	-290.089	1
7130_7130	7130	7130	-27.327	-29.004	0.055	0.058	-1.359	-386.433	1
7130_7131	7130	7131	-44.954	21.63	-0.053	-0.048	0.802	-433.892	1
7131_7131	7131	7131	-17.12	3.272	-0.016	-0.033	-0.697	-150.914	1
7131_7132	7131	7132	-51.587	29.241	-0.049	-0.125	0.276	-623.281	1
7132_7132	7132	7132	-58.013	-5.416	-0.033	0.001	-0.583	-185.261	1
7132_7133	7132	7133	-19.472	-17.65	0.071	-0.012	-0.863	-212.911	1
7133_7133	7133	7133	-66.158	-9.025	-0.041	0.022	-0.701	-265.075	1
7133_7134	7133	7134	-9.951	-14.597	0.059	0.012	-0.417	-132.833	1
7134_7134	7134	7134	-72.032	-7.363	-0.059	0.103	-0.873	-341.167	1
7134_7135	7134	7135	-5.6	0.124	0.011	0.021	-0.941	-40.814	1
7135_7135	7135	7135	-75.565	-7.735	0.036	0.062	-1.286	-385.739	1
7135_7136	7135	7136	-5.742	0.191	0.018	0.019	-0.799	-41.776	1
7136_7136	7136	7136	-79.792	-12.168	0.036	0.001	-0.951	-434.01	1
7136_7137	7136	7137	-5.884	0.194	0.017	0.012	-0.639	-40.97	1
7137_7137	7137	7137	-81.194	-17.064	0.032	-0.002	-0.632	-461.04	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7137_7138	7137	7138	-6.027	0.194	0.017	0.012	-0.505	-41.948	1
7138_7138	7138	7138	-80.152	-14.245	0.012	0.082	-0.356	-467.566	1
7138_7139	7138	7139	-6.145	0.213	0.013	0.023	-0.426	-42.752	1
7139_7139	7139	7139	-81.876	-17.896	0.011	-0.008	-0.28	-487.484	1
7139_7140	7139	7140	-6.263	0.213	0.013	0.014	-0.347	-43.557	1
7140_7140	7140	7140	-82.231	-21.837	0.007	-0.011	-0.238	-495.999	1
7140_7141	7140	7141	-6.381	0.213	0.013	0.014	-0.267	-44.362	1
7141_7141	7141	7141	-80.653	-16.08	-0.012	-0.033	-0.376	-491.374	1
7141_7142	7141	7142	-6.499	0.213	0.013	0.014	-0.188	-45.167	1
7142_7142	7142	7142	-78.536	-11.828	-0.013	0.032	-0.498	-472.768	1
7142_7143	7142	7143	-6.669	0.23	0.014	0.025	-0.069	-48.1	1
7143_7143	7143	7143	-78.929	-17.11	-0.015	-0.037	-0.686	-467.013	1
7143_7144	7143	7144	-6.838	0.23	0.014	0.018	0.041	-49.259	1
7144_7144	7144	7144	-76.879	-22.002	-0.018	-0.038	-0.9	-440.601	1
7144_7145	7144	7145	-7.008	0.23	0.014	0.018	0.15	-50.418	1
7145_7145	7145	7145	-72.115	-21.881	0.021	-0.033	-1.149	-393.625	1
7145_7146	7145	7146	-8.765	15.373	-0.043	-0.015	-0.521	-139.748	1
7146_7146	7146	7146	-68.254	-26.334	0.012	0.013	-1.12	-351.567	1
7146_7147	7146	7147	-20.722	17.816	-0.042	0.008	-0.71	-212.646	1
7147_7147	7147	7147	-61.155	-30.446	0.008	-0.044	-1.237	-299.468	1
7147_7148	7147	7148	-37.458	25.308	-0.045	-0.036	-0.802	-339.211	1
7148_7148	7148	7148	-21.592	-2.223	0	0.043	-0.04	-153.968	1
7148_7149	7148	7149	-52.278	-17.908	-0.004	0.14	1.552	-376.301	1
7149_7149	7149	7149	-21.9	-2.639	0.001	0.025	-0.033	-128.642	1
7149_7150	7149	7150	-45.627	-12.231	0.004	0.025	1.4	-248.288	1
7150_7150	7150	7150	-28.208	-3.336	-0.009	-0.022	-1.186	-424.676	1
7150_7151	7150	7151	-38.561	-8.03	0.004	0.084	1.042	-150.077	1
7151_7151	7151	7151	-54.424	-9.736	-0.012	-0.027	-1.136	-490.417	1
7151_7152	7151	7152	-32.54	-4.72	0.004	-0.022	-1.304	-264.376	1
7152_7152	7152	7152	-66.105	-8.835	0.015	-0.033	-1.324	-526.906	1
7152_7153	7152	7153	-29.978	-4.242	0.01	-0.023	-1.223	-240.513	1
7153_7153	7153	7153	-79.015	-13.291	0.012	0.014	-1.01	-540.672	1
7153_7154	7153	7154	-26.246	-4.148	0.009	0.006	-0.884	-194.045	1
7154_7154	7154	7154	-81.876	-11.994	0.007	0.004	-0.89	-561.618	1
7154_7155	7154	7155	-21.746	-3.925	0.006	0.005	-0.812	-166.105	1
7155_7155	7155	7155	-87.78	-18.296	0.006	0.002	-0.836	-596.482	1
7155_7156	7155	7156	-17.328	-3.813	0.006	0.005	-0.731	-137.453	1
7156_7156	7156	7156	-87.434	-15.203	0.003	-0.011	-0.789	-594.161	1
7156_7157	7156	7157	-13.451	-3.669	0.007	0.006	-0.644	-111.606	1
7157_7157	7157	7157	-90.833	-21.113	0.003	0.024	-0.775	-612.727	1
7157_7158	7157	7158	-9.798	-3.327	0.007	0.012	-0.516	-82.535	1
7158_7158	7158	7158	-88.25	-17.316	0	-0.009	-0.757	-597.272	1
7158_7159	7158	7159	-11.848	2.858	-0.006	-0.01	-0.595	-90.502	1
7159_7159	7159	7159	-90.477	-12.616	-0.001	0.02	-0.778	-610.559	1
7159_7160	7159	7160	-14.978	3.142	-0.006	-0.004	-0.702	-116.825	1
7160_7160	7160	7160	-86.905	-8.567	-0.008	-0.014	-0.787	-591.012	1
7160_7161	7160	7161	-18.694	3.356	-0.007	-0.008	-0.801	-143.581	1
7161_7161	7161	7161	-87.051	-15.419	-0.008	0.018	-0.869	-592.254	1
7161_7162	7161	7162	-22.569	3.474	-0.006	0.001	-0.884	-169.982	1
7162_7162	7162	7162	-80.951	-12.424	-0.007	0.014	-0.942	-556.413	1
7162_7163	7162	7163	-27.875	3.816	-0.008	0.006	-0.992	-204.281	1
7163_7163	7163	7163	-73.897	-20.647	-0.012	-0.017	-1.099	-549.872	1
7163_7164	7163	7164	-33.223	8.014	-0.001	-0.025	0.656	-95.072	1
7164_7164	7164	7164	-65.543	-17.846	0.013	0.024	-1.192	-509.663	1
7164_7165	7164	7165	-41.09	9.204	-0.006	-0.012	0.705	-157.496	1
7165_7165	7165	7165	-48.253	-24.383	0.012	0.033	-1.129	-491.741	1
7165_7166	7165	7166	-48.642	14.751	0	-0.067	1.052	-260.424	1
7166_7166	7166	7166	-26.963	-27.888	-0.003	0.034	-0.936	-390.002	1
7166_7167	7166	7167	-55.631	19.49	0.003	-0.018	1.204	-391.967	1
7167_7167	7167	7167	-24.57	2.543	0.002	-0.034	-0.087	-146.556	1
7167_7168	7167	7168	-62.564	24.394	0.009	-0.111	1.356	-583.878	1
7168_7168	7168	7168	-56.676	-6.107	0.007	0.047	-1.311	-200.989	1
7168_7169	7168	7169	-22.115	-18.656	0.036	0.04	-0.591	-219.001	1
7169_7169	7169	7169	-65.461	-3.549	-0.002	0.004	-0.783	-283.04	1
7169_7170	7169	7170	-10.555	-16.071	0.027	0	-0.342	-136.919	1
7170_7170	7170	7170	-72.182	-7.395	-0.007	0.004	-0.72	-338.516	1
7170_7171	7170	7171	-7.555	-0.304	-0.021	-0.019	0.052	-55.299	1
7171_7171	7171	7171	-76.655	-7.501	0.014	0.005	-0.718	-380.943	1
7171_7172	7171	7172	-7.326	-0.293	-0.012	-0.021	-0.04	-53.872	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7172_7172	7172	7172	-81.962	-11.764	0.01	0.054	-0.561	-427.53	1
7172_7173	7172	7173	-7.101	-0.285	-0.011	-0.013	-0.14	-50.648	1
7173_7173	7173	7173	-84.545	-16.498	0.009	-0.011	-0.444	-455.499	1
7173_7174	7173	7174	-6.878	-0.285	-0.011	-0.02	-0.227	-49.259	1
7174_7174	7174	7174	-84.658	-14.397	0.012	-0.005	-0.349	-464.659	1
7174_7175	7174	7175	-6.721	-0.267	-0.011	-0.017	-0.291	-48.285	1
7175_7175	7175	7175	-86.937	-17.973	0.008	0.073	-0.273	-483.239	1
7175_7176	7175	7176	-6.564	-0.267	-0.011	-0.009	-0.355	-47.312	1
7176_7176	7176	7176	-88.527	-11.869	-0.006	-0.033	-0.244	-490.77	1
7176_7177	7176	7177	-6.407	-0.267	-0.011	-0.017	-0.419	-46.338	1
7177_7177	7177	7177	-88.137	-15.725	-0.009	-0.034	-0.291	-483.41	1
7177_7178	7177	7178	-6.251	-0.267	-0.011	-0.017	-0.483	-45.365	1
7178_7178	7178	7178	-86.299	-12.105	-0.005	-0.027	-0.369	-465.18	1
7178_7179	7178	7179	-6.06	-0.243	-0.012	-0.015	-0.577	-44.18	1
7179_7179	7179	7179	-86.752	-17.214	-0.009	0.026	-0.459	-456.427	1
7179_7180	7179	7180	-5.869	-0.243	-0.012	-0.009	-0.671	-42.996	1
7180_7180	7180	7180	-84.728	-21.938	-0.01	-0.037	-0.587	-428.966	1
7180_7181	7180	7181	-5.679	-0.243	-0.012	-0.014	-0.765	-41.812	1
7181_7181	7181	7181	-79.97	-22.115	0.012	-0.017	-0.735	-382.89	1
7181_7182	7181	7182	-11.99	14.052	-0.028	-0.02	-0.431	-142.341	1
7182_7182	7182	7182	-75.963	-26.356	0.008	-0.022	-0.728	-340.642	1
7182_7183	7182	7183	-24.676	18.666	-0.028	-0.017	-0.482	-210.123	1
7183_7183	7183	7183	-69.637	-30.234	0.001	0.008	-0.884	-285.957	1
7183_7184	7183	7184	-43.184	24.216	-0.031	0.004	-0.647	-336.286	1
7184_7184	7184	7184	-15.194	-2.948	0.002	0.02	-0.107	-135.363	1
7184_7185	7184	7185	-51.055	-20.807	-0.001	0.065	1.122	-392.953	1
7185_7185	7185	7185	-15.171	0.394	-0.002	-0.004	-0.833	-257.487	1
7185_7186	7185	7186	-42.059	-14.427	0.003	0.056	0.999	-246.871	1
7186_7186	7186	7186	-33.495	-2.321	-0.01	-0.057	-0.886	-385.499	1
7186_7187	7186	7187	-33.22	-4.028	0.004	-0.067	-1.288	-275.775	1
7187_7187	7187	7187	-60.087	-8.509	-0.011	0.009	-0.96	-474.805	1
7187_7188	7187	7188	-34.148	-3.858	0.004	0.002	-1.111	-229.978	1
7188_7188	7188	7188	-74.928	-8.213	0.008	-0.028	-1.131	-525.447	1
7188_7189	7188	7189	-31.987	-3.504	0.006	-0.02	-1.06	-211.405	1
7189_7189	7189	7189	-86.22	-12.688	0.007	0.02	-0.99	-580.917	1
7189_7190	7189	7190	-27.601	-3.499	0.006	0.007	-0.885	-183.102	1
7190_7190	7190	7190	-92.079	-12.053	0.007	0.007	-0.95	-618.562	1
7190_7191	7190	7191	-23.943	-3.231	0.006	0.006	-0.819	-158.127	1
7191_7191	7191	7191	-99.361	-18.167	0.006	0.003	-0.898	-661.998	1
7191_7192	7191	7192	-20.344	-3.142	0.006	0.006	-0.746	-133.794	1
7192_7192	7192	7192	-100.59	-15.638	-0.001	0.008	-0.862	-668.108	1
7192_7193	7192	7193	-17.237	-3.009	0.006	0.011	-0.673	-112.738	1
7193_7193	7193	7193	-104.766	-9.996	-0.004	-0.004	-0.901	-689.453	1
7193_7194	7193	7194	-16.727	3.032	-0.008	-0.014	-0.692	-101.507	1
7194_7194	7194	7194	-103.267	-6.492	-0.003	0.026	-0.946	-680.639	1
7194_7195	7194	7195	-19.935	3.192	-0.007	-0.005	-0.787	-123.905	1
7195_7195	7195	7195	-105.5	-12.455	-0.005	-0.025	-0.971	-694.378	1
7195_7196	7195	7196	-23.28	3.361	-0.008	-0.014	-0.89	-149.486	1
7196_7196	7196	7196	-102.11	-9.052	-0.01	0.006	-1.021	-674.733	1
7196_7197	7196	7197	-27.202	3.598	-0.008	-0.001	-0.989	-176.884	1
7197_7197	7197	7197	-101.643	-15.586	-0.011	0.002	-1.117	-672.186	1
7197_7198	7197	7198	-31.255	3.638	-0.008	-0.001	-1.079	-202.455	1
7198_7198	7198	7198	-95.259	-13.229	-0.006	0.021	-1.222	-633.202	1
7198_7199	7198	7199	-36.905	4.093	-0.008	0.011	-1.185	-238.726	1
7199_7199	7199	7199	-88.003	-21.144	-0.009	-0.014	-1.33	-587.411	1
7199_7200	7199	7200	-38.405	4.02	-0.008	0.007	-1.319	-253.925	1
7200_7200	7200	7200	-78.828	-19.321	0.007	0.001	-1.373	-545.406	1
7200_7201	7200	7201	-39.909	4.574	-0.006	0.004	-1.381	-293.629	1
7201_7201	7201	7201	-56.969	-25.604	0.013	0.122	-1.845	-533.743	1
7201_7202	7201	7202	-42.359	16.779	0.004	-0.095	2.125	-265.393	1
7202_7202	7202	7202	-34.282	-29.115	-0.008	0.037	-1.558	-424.249	1
7202_7203	7202	7203	-50.648	22.252	0.005	-0.091	2.309	-415.583	1
7203_7203	7203	7203	-15.182	2.604	0	-0.038	0.137	-105.147	1
7203_7204	7203	7204	-58.508	27.569	0.01	-0.132	2.468	-628.073	1
7204_7204	7204	7204	-65.286	-7.379	0.021	0.038	-2.204	-234.992	1
7204_7205	7204	7205	-24.134	-20.806	0.046	0.013	-1.048	-240.47	1
7205_7205	7205	7205	-72.637	-4.407	0.003	0.053	-1.35	-323.93	1
7205_7206	7205	7206	-12.311	-15.982	0.042	0.033	-0.86	-163.479	1
7206_7206	7206	7206	-78.277	-7.933	-0.001	-0.003	-1.172	-378.191	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7206_7207	7206	7207	-5.263	-0.674	0.024	0.014	-0.94	-52.177	1
7207_7207	7207	7207	-82.075	-8.262	0.018	0.014	-1.065	-421.176	1
7207_7208	7207	7208	-4.803	-0.608	0.024	0.024	-0.74	-48.905	1
7208_7208	7208	7208	-86.533	-12.225	0.013	0.005	-0.824	-467.534	1
7208_7209	7208	7209	-4.344	-0.608	0.024	0.024	-0.545	-45.847	1
7209_7209	7209	7209	-88.726	-16.616	0.006	0.06	-0.656	-497.157	1
7209_7210	7209	7210	-4.407	0.54	-0.024	-0.024	-0.24	-49.728	1
7210_7210	7210	7210	-88.932	-15.317	0.021	0.001	-0.569	-510.103	1
7210_7211	7210	7211	-4.721	0.555	-0.024	-0.027	-0.385	-51.802	1
7211_7211	7211	7211	-90.746	-18.695	0.016	-0.007	-0.442	-528.724	1
7211_7212	7211	7212	-5.035	0.555	-0.024	-0.027	-0.531	-53.876	1
7212_7212	7212	7212	-91.599	-11.317	-0.012	0.057	-0.423	-540.354	1
7212_7213	7212	7213	-5.352	0.562	-0.024	-0.018	-0.68	-57.075	1
7213_7213	7213	7213	-91.345	-14.955	-0.015	-0.049	-0.529	-534.897	1
7213_7214	7213	7214	-5.672	0.57	-0.026	-0.029	-0.841	-60.597	1
7214_7214	7214	7214	-89.846	-12.36	-0.003	-0.027	-0.683	-519.169	1
7214_7215	7214	7215	-6.093	0.558	-0.029	-0.023	-1.07	-63.379	1
7215_7215	7215	7215	-89.953	-17.128	-0.009	-0.033	-0.823	-509.467	1
7215_7216	7215	7216	-6.522	0.574	-0.03	-0.024	-1.341	-68.811	1
7216_7216	7216	7216	-88.043	-21.528	-0.016	0.023	-1.032	-483	1
7216_7217	7216	7217	-6.955	0.574	-0.029	-0.015	-1.577	-71.673	1
7217_7217	7217	7217	-83.801	-22.081	0.008	0.069	-1.318	-439.426	1
7217_7218	7217	7218	-11.942	15.871	-0.023	0.078	-0.89	-165.037	1
7218_7218	7218	7218	-80.041	-25.983	0.002	0.082	-1.449	-398.084	1
7218_7219	7218	7219	-24.744	19.832	-0.023	0.077	-0.788	-235.985	1
7219_7219	7219	7219	-74.187	-29.546	0.019	-0.297	-1.664	-337.033	1
7219_7220	7219	7220	-43.602	24.999	-0.031	-0.184	-0.762	-356.647	1
7220_7220	7220	7220	-14.752	-3.24	-0.004	0.088	0.781	-109.367	1
7220_7221	7220	7221	-48.713	-19.698	-0.019	0.216	2.063	-339.475	1
7221_7221	7221	7221	-22.415	-0.23	-0.005	-0.097	-1.509	-338.949	1
7221_7222	7221	7222	-44.082	-5.676	-0.002	-0.16	-2.733	-432.609	1
7222_7222	7222	7222	-42.143	-2.953	-0.007	0.013	-1.696	-469.541	1
7222_7223	7222	7223	-46.247	-5.409	0.013	-0.021	-2.565	-373.049	1
7223_7223	7223	7223	-72.882	-8.607	-0.009	-0.077	-1.254	-542.907	1
7223_7224	7223	7224	-48.622	-5.252	0.008	-0.05	-1.583	-302.212	1
7224_7224	7224	7224	-89.617	-8.996	0.012	0.106	-1.425	-598.123	1
7224_7225	7224	7225	-45.366	-5.064	0.014	0.045	-1.471	-276.101	1
7225_7225	7225	7225	-94.419	-13.794	0.008	-0.1	-1.438	-684.273	1
7225_7226	7225	7226	-35.802	-5.099	0.014	-0.037	-1.343	-242.054	1
7226_7226	7226	7226	-100.408	-14.005	0.014	0.153	-1.368	-729.879	1
7226_7227	7226	7227	-30.343	-4.829	0.015	0.062	-1.167	-203.842	1
7227_7227	7227	7227	-106.076	-20.043	0.01	-0.143	-1.226	-769.56	1
7227_7228	7227	7228	-25.014	-4.725	0.014	-0.023	-0.989	-166.866	1
7228_7228	7228	7228	-105.883	-18.743	0.008	0.197	-1.12	-770.007	1
7228_7229	7228	7229	-23.172	3.923	-0.002	0.042	-0.717	-156.523	1
7229_7229	7229	7229	-107.49	-12.47	0	-0.183	-0.987	-781.359	1
7229_7230	7229	7230	-27.688	4.169	-0.002	-0.04	-0.768	-193.146	1
7230_7230	7230	7230	-102.438	-11.219	-0.005	0.192	-0.945	-747.978	1
7230_7231	7230	7231	-32.823	4.483	-0.007	0.075	-0.865	-229.918	1
7231_7231	7231	7231	-99.736	-17.73	-0.012	-0.153	-0.984	-727.808	1
7231_7232	7231	7232	-38.118	4.571	-0.008	-0.038	-0.973	-266.658	1
7232_7232	7232	7232	-91.163	-17.804	0.023	0.202	-1.095	-667.72	1
7232_7233	7232	7233	-39.592	5.002	0	0.104	-0.973	-276.06	1
7233_7233	7233	7233	-89.185	-19.512	0.032	0.071	-1.594	-658.045	1
7233_7234	7233	7234	-41.826	5.028	0	0.048	-1.536	-298.767	1
7234_7234	7234	7234	-84.18	-22.648	0.027	0.017	-1.382	-633.255	1
7234_7235	7234	7235	-43.609	4.934	-0.001	0.032	-1.545	-328.825	1
7235_7235	7235	7235	-72.171	-26.71	0.019	-0.046	-1.165	-583.337	1
7235_7236	7235	7236	-43.82	4.829	-0.002	0.006	-1.556	-349.736	1
7236_7236	7236	7236	-51.134	-26.221	0.037	0.146	-1.7	-598.639	1
7236_7237	7236	7237	-43.323	18.388	-0.013	-0.01	1.137	-281.046	1
7237_7237	7237	7237	-35.01	-30.912	0.042	-0.087	-1.293	-512.038	1
7237_7238	7237	7238	-51.808	23.71	-0.004	-0.184	1.219	-410.813	1
7238_7238	7238	7238	-21.583	-23.954	-0.112	-0.03	-0.754	-412.05	1
7238_7239	7238	7239	-55.765	19.418	0.064	0.081	1.894	-540.962	1
7239_7239	7239	7239	-15.075	4.34	-0.015	-0.069	-0.511	-138.511	1
7239_7240	7239	7240	-60.158	23.547	0.083	-0.193	2.911	-707.443	1
7240_7240	7240	7240	-79.467	-6.78	0.075	0.368	-3.789	-388.849	1
7240_7241	7240	7241	-14.586	-16.894	0.055	0.114	-0.896	-269.006	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7241_7241	7241	7241	-82.756	-10.392	0.072	0.122	-2.685	-429.88	1
7241_7242	7241	7242	-5.948	-0.836	0.001	0.055	0.801	22.139	1
7242_7242	7242	7242	-84.068	-14.893	0.066	-0.026	-1.92	-461.46	1
7242_7243	7242	7243	-5.384	-0.811	0.003	0.061	0.833	25.411	1
7243_7243	7243	7243	-82.381	-7.898	0.027	0.17	-1.331	-468.46	1
7243_7244	7243	7244	-4.801	-0.673	-0.017	0.027	0.662	29.177	1
7244_7244	7244	7244	-87.309	-12.503	0.037	-0.034	-0.929	-530.697	1
7244_7245	7244	7245	-4.5	-0.365	0.028	0.029	-0.097	-55.155	1
7245_7245	7245	7245	-90.044	-14.684	-0.02	0.123	-0.445	-569.837	1
7245_7246	7245	7246	-4.194	-0.351	0.03	0.054	0.211	-52.727	1
7246_7246	7246	7246	-92.777	-20.252	-0.02	-0.124	-0.612	-603.978	1
7246_7247	7246	7247	-3.919	-0.351	0.029	0.03	0.478	-50.562	1
7247_7247	7247	7247	-94.109	-9.824	0.009	0.21	-0.839	-609.959	1
7247_7248	7247	7248	-3.812	0.61	-0.041	-0.017	-1.124	-71.187	1
7248_7248	7248	7248	-95.245	-15.217	0.012	-0.213	-0.841	-605.972	1
7248_7249	7248	7249	-4.337	0.61	-0.044	-0.069	-1.578	-75.338	1
7249_7249	7249	7249	-93.471	-17.739	-0.071	0.078	-0.92	-571.935	1
7249_7250	7249	7250	-4.847	0.615	-0.073	-0.01	-2.309	-79.405	1
7250_7250	7250	7250	-91.47	-22.721	-0.07	-0.161	-1.927	-531.792	1
7250_7251	7250	7251	-5.345	0.615	-0.075	-0.048	-3.033	-83.341	1
7251_7251	7251	7251	-86.842	-15.35	0.047	0.175	-2.875	-470.659	1
7251_7252	7251	7252	-12.781	14.755	0.065	0.257	-0.769	-243.718	1
7252_7252	7252	7252	-89.01	-19.427	0.061	-0.141	-2.534	-461.417	1
7252_7253	7252	7253	-25.466	17.527	0.034	0.057	0.033	-327.892	1
7253_7253	7253	7253	-18.926	-3.859	-0.066	0.322	1.144	-156.443	1
7253_7254	7253	7254	-55.687	-15.804	-0.054	0.438	2.26	-540.333	1
7254_7254	7254	7254	-18.535	-3.891	0.037	0.093	0.687	-133.667	1
7254_7255	7254	7255	-50.826	-15.281	0.063	0.223	2.86	-377.359	1
7255_7255	7255	7255	-31.227	-7.374	-0.075	-0.135	-2.398	-453.852	1
7255_7256	7255	7256	-44.801	-14.332	0.065	-0.016	3.401	-263.485	1
7256_7256	7256	7256	-41.482	-2.044	0.035	0.052	-3.515	-505.478	1
7256_7257	7256	7257	-42.619	-5.246	-0.005	-0.005	-3.87	-400.718	1
7257_7257	7257	7257	-67.586	-5.184	0.023	-0.045	-2.162	-536.488	1
7257_7258	7257	7258	-49.001	-5.129	-0.004	-0.038	-2.459	-337.467	1
7258_7258	7258	7258	-79.925	-8.282	0.025	-0.072	-2.075	-586.293	1
7258_7259	7258	7259	-47.768	-5.249	-0.004	-0.042	-2.487	-317.654	1
7259_7259	7259	7259	-87.059	-7.31	0.013	0.109	-1.994	-615.827	1
7259_7260	7259	7260	-44.78	-4.999	0.026	0.05	-2.295	-290.548	1
7260_7260	7260	7260	-100.628	-10.857	0.008	-0.023	-1.439	-627.168	1
7260_7261	7260	7261	-41.668	-5.119	0.019	0	-1.529	-246.654	1
7261_7261	7261	7261	-107.614	-15.007	0.007	-0.084	-1.404	-671.026	1
7261_7262	7261	7262	-37.501	-5.076	0.019	-0.026	-1.38	-222.142	1
7262_7262	7262	7262	-110.941	-13.381	0.014	0.076	-1.361	-693.549	1
7262_7263	7262	7263	-31.809	-4.842	0.014	0.037	-1.212	-188.842	1
7263_7263	7263	7263	-117.955	-19.125	0.013	-0.055	-1.201	-737.686	1
7263_7264	7263	7264	-26.287	-4.714	0.014	0	-1.041	-154.65	1
7264_7264	7264	7264	-118.474	-18.709	0.007	0.125	-1.026	-744.42	1
7264_7265	7264	7265	-23.483	4.825	0.002	0.04	-0.614	-161.485	1
7265_7265	7265	7265	-120.244	-24.784	0.002	-0.107	-0.917	-757.756	1
7265_7266	7265	7266	-29.078	4.914	0	-0.015	-0.614	-195.266	1
7266_7266	7266	7266	-115.188	-11.325	0.007	0.125	-0.743	-735.053	1
7266_7267	7266	7267	-35.114	5.212	-0.003	0.061	-0.645	-230.942	1
7267_7267	7267	7267	-112.125	-17.159	0.002	-0.067	-0.605	-716.978	1
7267_7268	7267	7268	-41.276	5.294	-0.004	-0.004	-0.689	-267.765	1
7268_7268	7268	7268	-103.414	-17.562	0.039	0.212	-0.539	-665.028	1
7268_7269	7268	7269	-43.605	5.761	0.007	0.113	-0.66	-280.93	1
7269_7269	7269	7269	-94.167	-19.735	0.048	0.101	-0.495	-709.486	1
7269_7270	7269	7270	-44.58	5.725	0.008	0.077	-0.807	-343.144	1
7270_7270	7270	7270	-83.431	-24.443	0.041	-0.08	-0.018	-659.814	1
7270_7271	7270	7271	-45.828	5.718	0.007	-0.004	-0.729	-387.944	1
7271_7271	7271	7271	-55.747	-25.864	0.106	0.256	0.587	-644.348	1
7271_7272	7271	7272	-44.139	20.936	-0.096	0.001	-1.11	-280.547	1
7272_7272	7272	7272	-35.837	-30.811	0.083	-0.187	1.53	-541.543	1
7272_7273	7272	7273	-56.177	27.593	-0.094	-0.12	-2.773	-476.343	1
7273_7273	7273	7273	-18.156	-22.243	-0.334	0.071	1.99	-404.644	1
7273_7274	7273	7274	-57.749	18.305	0.422	-0.166	-0.433	-554.498	1
7274_7274	7274	7274	-14.087	-24.582	-0.298	-0.081	0.03	-381.486	1
7274_7275	7274	7275	-60.198	21.499	0.47	-0.494	3.237	-666.6	1
7275_7275	7275	7275	-87.186	-15.417	-0.289	-0.483	-2.762	-452.397	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7275_7276	7275	7276	-14.458	-14.674	-0.11	-0.419	-2.092	-277.559	1
7276_7276	7276	7276	-85.26	-8.793	0.119	0.237	-4.07	-450.866	1
7276_7277	7276	7277	-9.303	-13.92	0.084	0.124	-2.009	-247.572	1
7277_7277	7277	7277	-87.088	-10.723	0.105	0.081	-3.034	-464.919	1
7277_7278	7277	7278	-4.498	-0.671	0.005	0.029	-0.048	19.569	1
7278_7278	7278	7278	-88.633	-16.061	0.094	-0.136	-1.661	-497.88	1
7278_7279	7278	7279	-3.966	-0.658	0.007	0.037	0.031	22.929	1
7279_7279	7279	7279	-85.875	-12.196	-0.034	0.197	-0.673	-495.954	1
7279_7280	7279	7280	-3.219	-0.726	0.007	0.016	0.128	27.457	1
7280_7280	7280	7280	-87.41	-18.256	-0.025	-0.136	-0.894	-527.695	1
7280_7281	7280	7281	-2.478	-0.687	0.01	0.033	0.254	31.201	1
7281_7281	7281	7281	-73.27	-18.133	0.085	0.17	-3.079	-572.352	1
7281_7282	7281	7282	-3.648	-0.592	-0.019	0.006	0.541	46.509	1
7282_7282	7282	7282	-75.307	-13.841	0.019	-0.236	-0.931	-569.128	1
7282_7283	7282	7283	-3.181	-0.592	-0.012	0.042	0.409	51.431	1
7283_7283	7283	7283	-75.105	-10.403	-0.129	0.236	-0.579	-534.208	1
7283_7284	7283	7284	-2.723	-0.607	0.061	-0.017	1.026	53.149	1
7284_7284	7284	7284	-79.978	-16.692	-0.139	-0.325	-2.289	-545.34	1
7284_7285	7284	7285	-2.326	-0.581	0.068	0.039	1.641	54.731	1
7285_7285	7285	7285	-81.947	-8.048	0.108	0.242	-4.562	-498.441	1
7285_7286	7285	7286	-2.032	-0.518	0.048	-0.05	1.983	55.91	1
7286_7286	7286	7286	-86.269	-12.238	0.136	0.026	-3.993	-510.413	1
7286_7287	7286	7287	-7.81	14.917	-0.036	0.046	-1.299	-291.185	1
7287_7287	7287	7287	-88.274	-15.779	0.173	-0.267	-3.25	-510.438	1
7287_7288	7287	7288	-15	16.661	-0.05	-0.136	-1.333	-378.523	1
7288_7288	7288	7288	-13.49	-2.339	-0.131	0.022	-0.435	-368.56	1
7288_7289	7288	7289	-33.49	-8.693	-0.067	0.085	-4.145	-669.451	1
7289_7289	7289	7289	-25.101	-7.81	-0.15	-0.397	-2.563	-526.324	1
7289_7290	7289	7290	-34.946	-8.624	-0.068	-0.511	-4.838	-586.602	1
7290_7290	7290	7290	-35.404	-6.164	0.009	0.13	-4.694	-618.401	1
7290_7291	7290	7291	-35.363	-6.487	-0.04	0.104	-5.228	-544.127	1
7291_7291	7291	7291	-44.152	-9.723	-0.003	0.079	-4.938	-696.635	1
7291_7292	7291	7292	-34.705	-6.533	-0.04	0.054	-5.568	-497.359	1
7292_7292	7292	7292	-61.697	-14.104	-0.014	-0.423	-3.635	-708.552	1
7292_7293	7292	7293	-39.409	-6.454	-0.029	-0.267	-3.882	-439.281	1
7293_7293	7293	7293	-64.649	-6.43	0.057	0.237	-3.821	-730.072	1
7293_7294	7293	7294	-37.528	-4.517	0.029	0.145	-3.682	-416.499	1
7294_7294	7294	7294	-72.865	4.581	0.058	0.028	-3.847	-815.72	1
7294_7295	7294	7295	-34.987	-4.469	0.028	0.018	-3.471	-388.684	1
7295_7295	7295	7295	-68.761	-0.091	0.08	-0.544	-5.179	-964.773	1
7295_7296	7295	7296	-28.125	-4.505	0.042	-0.238	-5.015	-394.05	1
7296_7296	7296	7296	-72.83	3.595	0.059	0.454	-4.705	-1018.939	1
7296_7297	7296	7297	-25.73	-3.92	0.05	0.176	-4.489	-361.474	1
7297_7297	7297	7297	-80.57	-2.296	0.062	-0.379	-4.089	-1121.787	1
7297_7298	7297	7298	-23.261	-3.875	0.048	-0.101	-3.954	-327.66	1
7298_7298	7298	7298	-84.458	0.616	0.046	0.737	-3.303	-1173.286	1
7298_7299	7298	7299	-21.131	-3.426	0.05	0.217	-3.394	-299.216	1
7299_7299	7299	7299	-89.887	-5.265	0.041	-0.553	-2.683	-1245.258	1
7299_7300	7299	7300	-18.746	-3.404	0.049	-0.102	-2.791	-266.785	1
7300_7300	7300	7300	-91.309	-1.981	0.058	0.661	-2.038	-1263.874	1
7300_7301	7300	7301	-16.669	-3.065	0.049	0.169	-2.197	-237.939	1
7301_7301	7301	7301	-94.731	-22.623	0.057	-0.549	-1.421	-1309.706	1
7301_7302	7301	7302	-14.692	-3.048	0.048	-0.056	-1.64	-210.952	1
7302_7302	7302	7302	-94.283	-18.842	0.036	0.67	-0.688	-1303.452	1
7302_7303	7302	7303	-12.662	-2.863	0.043	0.163	-1.094	-183.003	1
7303_7303	7303	7303	-96.118	-25.097	0.03	-0.68	-0.166	-1327.412	1
7303_7304	7303	7304	-10.918	-2.827	0.042	-0.036	-0.643	-158.233	1
7304_7304	7304	7304	-93.646	-20.954	0.018	0.685	0.183	-1293.893	1
7304_7305	7304	7305	-9.201	-2.646	0.023	0.145	-0.386	-133.127	1
7305_7305	7305	7305	-93.312	-26.804	0.012	-0.568	0.38	-1288.385	1
7305_7306	7305	7306	-7.418	-2.596	0.022	0.008	-0.124	-107.6	1
7306_7306	7306	7306	-87.853	-24.444	-0.013	0.656	0.47	-1213.89	1
7306_7307	7306	7307	-5.845	-2.329	0.001	0.122	-0.141	-82.503	1
7307_7307	7307	7307	-83.025	-31.181	-0.015	-0.609	0.272	-1146.779	1
7307_7308	7307	7308	-4.368	-2.132	0.003	0.023	-0.109	-57.943	1
7308_7308	7308	7308	-71.652	-32.181	0.072	0.505	0.061	-991.17	1
7308_7309	7308	7309	-2.982	-1.95	0.041	0.089	0.407	-35.225	1
7309_7309	7309	7309	-56.639	-44.693	0.06	-0.422	0.814	-788.8	1
7309_7310	7309	7310	-2.622	2.646	-0.482	-0.051	-11.285	10.104	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7310_7310	7310	7310	-34.538	-50.686	-0.089	0.035	1.195	-487.39	1
7310_7311	7310	7311	-5.145	10.869	0.481	0.001	0	-19.457	1
7400_7020	7400	7020	-12.469	-0.765	-0.854	-0.028	11.006	-65.545	1
7400_7401	7400	7401	-65.858	6.887	-2.134	0.022	-20.708	46.704	1
7401_7401	7401	7401	-12.447	-0.806	-0.559	0.214	7.38	-62.411	1
7401_7402	7401	7402	-65.823	5.558	1.175	-0.39	-15.936	27.299	1
7402_7402	7402	7402	-12.425	-1.105	-0.534	-0.036	5.397	-59.601	1
7402_7403	7402	7403	-65.935	3.978	1.305	0.047	-1.673	-16.146	1
7403_7403	7403	7403	-12.788	-1.531	0.021	0.041	-0.389	-48.154	1
7403_7404	7403	7404	-60.225	1.999	0.036	-0.079	-1.487	-30.552	1
7404_7404	7404	7404	-12.749	-1.828	0.029	0.023	-0.247	-37.118	1
7404_7405	7404	7405	-60.256	0.597	0.073	-0.063	-0.967	-34.854	1
7405_7405	7405	7405	-13.098	-2.311	-0.034	0.035	0.039	-24.05	1
7405_7406	7405	7406	-56.392	-1.155	0.082	-0.076	0.034	-18.214	1
7406_7406	7406	7406	-13.487	-2.812	0.749	0.081	-0.358	9.295	1
7406_7407	7406	7407	-53.498	-2.914	-0.674	-0.124	-6.146	7.603	1
7407_7407	7407	7407	-13.425	-3.094	0.751	-0.048	6.281	34.211	1
7407_7408	7407	7408	-53.426	-4.034	-0.669	0.005	-9.861	30.016	1
7408_7408	7408	7408	-14.243	-0.122	-0.572	0.831	10.905	51.397	1
7408_7409	7408	7409	-54.841	4.703	-1.969	0.569	6.02	60.819	1
7409_7409	7409	7409	-14.347	-0.191	-0.007	-0.78	9.165	51.406	1
7409_7410	7409	7410	-55.051	-5.558	-1.581	-0.502	1.216	77.356	1
7410_7410	7410	7410	-14.677	2.884	-0.637	0.088	8.766	51.851	1
7410_7411	7410	7411	-57.813	5.779	-0.128	0.075	0.431	35.572	1
7411_7411	7411	7411	-14.734	2.577	-0.632	-0.009	5.221	35.828	1
7411_7412	7411	7412	-57.922	4.568	-0.108	0.078	-0.526	-4.89	1
7412_7412	7412	7412	-15.414	2.051	0.012	0.024	-0.401	12.883	1
7412_7413	7412	7413	-61.575	2.679	-0.054	0.074	-1.148	-43.489	1
7413_7413	7413	7413	-16.141	1.534	0.048	0.016	-0.243	-16.646	1
7413_7414	7413	7414	-66.283	0.834	0.012	0.04	-0.925	-49.507	1
7414_7414	7414	7414	-16.172	1.165	0.034	0.036	0.095	-27.714	1
7414_7415	7414	7415	-66.285	-0.68	-0.043	0.101	-1.244	-44.609	1
7415_7415	7415	7415	-17.006	0.689	-1.067	-0.042	0.344	-35.942	1
7415_7416	7415	7416	-72.911	-2.716	-1.724	-0.054	-20.017	-14.943	1
7416_7416	7416	7416	-17.017	0.285	-1.081	0.261	-11.322	-43.468	1
7416_7417	7416	7417	-72.825	-4.445	-1.78	0.433	-26.221	0.553	1
7417_7417	7417	7417	-17.053	0.269	-0.51	-0.036	-15.607	-44.461	1
7417_7036	7417	7036	-72.894	-5.652	1.343	-0.049	-21.632	23.689	1
7420_7056	7420	7056	-17.02	0.05	0.784	0.027	-11.572	-30.295	1
7420_7421	7420	7421	-70.477	5.902	-1.702	0.041	-20.239	16.738	1
7421_7421	7421	7421	-16.966	0.072	0.604	-0.118	-7.997	-30.494	1
7421_7422	7421	7422	-70.384	4.713	1.34	-0.327	-14.573	0.306	1
7422_7422	7422	7422	-16.962	-0.335	0.616	0.002	-5.898	-30.745	1
7422_7423	7422	7423	-70.476	3.024	1.388	0.023	0.577	-32.709	1
7423_7423	7423	7423	-15.71	-0.758	-0.075	-0.011	0.818	-27.364	1
7423_7424	7423	7424	-63.285	1.168	-0.108	-0.056	-0.28	-41.137	1
7424_7424	7424	7424	-15.687	-1.13	-0.062	-0.034	0.272	-21.895	1
7424_7425	7424	7425	-63.295	-0.332	-0.059	-0.081	-0.716	-38.742	1
7425_7425	7425	7425	-14.523	-1.576	-0.022	-0.02	-0.152	-13.747	1
7425_7426	7425	7426	-58.25	-1.963	0.073	-0.073	0.229	-10.445	1
7426_7426	7426	7426	-13.43	-2.019	0.33	-0.012	-0.461	8.959	1
7426_7427	7426	7427	-54.287	-3.692	-0.36	-0.105	-3.076	22.242	1
7427_7427	7427	7427	-13.386	-2.292	0.342	-0.04	2.474	26.832	1
7427_7428	7427	7428	-54.201	-4.799	-0.313	-0.024	-4.806	48.921	1
7428_7428	7428	7428	-12.644	0.414	0.146	0.542	4.66	39.748	1
7428_7429	7428	7429	-51.162	6.062	1.534	-0.074	-0.584	31.704	1
7429_7429	7429	7429	-12.606	-0.193	0.474	-0.578	5.11	38.41	1
7429_7430	7429	7430	-50.991	-5.284	1.489	0.011	3.926	47.757	1
7430_7430	7430	7430	-12.389	2.17	-0.544	0.054	7.053	37.36	1
7430_7431	7430	7431	-53.608	4.531	-0.033	0.05	-0.688	18.824	1
7431_7431	7431	7431	-12.431	1.918	-0.525	0.007	4.014	25.298	1
7431_7432	7431	7432	-53.69	3.439	0.045	0.091	-0.299	-11.625	1
7432_7432	7432	7432	-12.91	1.482	0.035	0.022	-0.661	8.277	1
7432_7433	7432	7433	-57.406	1.71	-0.046	0.074	-0.83	-36.277	1
7433_7433	7433	7433	-13.435	1.056	0.076	0.034	-0.207	-13.025	1
7433_7434	7433	7434	-62.16	0.104	0.074	0.078	-0.191	-37.03	1
7434_7434	7434	7434	-13.456	0.737	0.083	0.014	0.344	-20.632	1
7434_7435	7434	7435	-62.145	-1.368	0.108	0.063	0.594	-27.164	1
7435_7435	7435	7435	-14.082	0.345	-0.867	-0.01	0.924	-25.624	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7435_7436	7435	7436	-69.005	-3.208	-1.52	-0.03	-15.936	7.875	1
7436_7436	7436	7436	-14.088	0.012	-0.846	0.148	-8.531	-29.401	1
7436_7437	7436	7437	-68.911	-4.842	-1.419	0.359	-20.881	24.742	1
7437_7437	7437	7437	-14.123	0.009	-0.216	-0.034	-12.078	-29.439	1
7437_7072	7437	7072	-68.997	-6.017	1.605	-0.046	-15.405	49.368	1
7440_7094	7440	7094	-15.264	-0.023	0.442	0.033	-10.536	-32.287	1
7440_7441	7440	7441	-67.893	5.849	-1.611	0.048	-17.303	22.155	1
7441_7441	7441	7441	-15.214	-0.022	0.628	-0.139	-8.216	-32.194	1
7441_7442	7441	7442	-67.78	4.695	1.17	-0.301	-12.167	5.766	1
7442_7442	7442	7442	-15.209	-0.39	0.632	-0.001	-6.029	-32.118	1
7442_7443	7442	7443	-67.873	3.051	1.188	-0.004	0.796	-27.538	1
7443_7443	7443	7443	-14.436	-0.808	-0.069	-0.028	0.835	-28.239	1
7443_7444	7443	7444	-61.112	1.28	-0.084	-0.09	0.06	-36.765	1
7444_7444	7444	7444	-14.413	-1.15	-0.073	-0.03	0.341	-22.41	1
7444_7445	7444	7445	-61.125	-0.168	-0.101	-0.081	-0.666	-35.552	1
7445_7445	7445	7445	-13.719	-1.593	-0.025	-0.026	-0.164	-14.172	1
7445_7446	7445	7446	-56.483	-1.699	0.07	-0.09	0.215	-11.039	1
7446_7446	7446	7446	-13.089	-2.056	0.364	-0.03	-0.542	8.85	1
7446_7447	7446	7447	-52.822	-3.403	-0.23	-0.122	-1.954	19.069	1
7447_7447	7447	7447	-13.044	-2.319	0.394	-0.027	2.707	27.041	1
7447_7448	7447	7448	-52.743	-4.466	-0.112	-0.042	-2.562	43.898	1
7448_7448	7448	7448	-12.747	0.379	0.075	0.837	5.217	40.104	1
7448_7449	7448	7449	-49.907	6.119	1.535	0.211	1.625	26.465	1
7449_7449	7449	7449	-12.705	-0.183	0.426	-0.883	5.455	38.937	1
7449_7450	7449	7450	-49.719	-5.293	1.484	-0.268	6.124	42.551	1
7450_7450	7450	7450	-12	2.455	-0.486	0.014	6.31	39.504	1
7450_7451	7450	7451	-51.01	4.334	0.301	0.064	-2.452	19.294	1
7451_7451	7451	7451	-12.046	2.213	-0.49	-0.067	3.613	25.854	1
7451_7452	7451	7452	-51.087	3.308	0.283	0.107	0.057	-9.974	1
7452_7452	7452	7452	-11.686	1.756	0.064	-0.038	-0.784	6.22	1
7452_7453	7452	7453	-54.737	1.67	-0.064	0.088	-0.698	-34.062	1
7453_7453	7453	7453	-11.373	1.332	-0.043	-0.034	0.055	-18.987	1
7453_7454	7453	7454	-59.375	0.211	0.067	0.087	-0.069	-35.583	1
7454_7454	7454	7454	-11.401	1.063	-0.04	-0.035	-0.255	-28.586	1
7454_7455	7454	7455	-59.364	-1.196	0.082	0.08	0.525	-26.958	1
7455_7455	7455	7455	-11.668	0.302	-0.351	0.008	0.518	-20.612	1
7455_7456	7455	7456	-66.093	-2.906	-1.078	0.01	-11.102	4.787	1
7456_7456	7456	7456	-11.673	0.031	-0.341	0.064	-3.306	-23.915	1
7456_7457	7456	7457	-66.009	-4.441	-1.022	0.272	-14.657	20.237	1
7457_7457	7457	7457	-11.713	0.042	-0.499	-0.02	-4.767	-24.021	1
7457_7110	7457	7110	-66.124	-5.633	1.387	-0.04	-9.913	43.307	1
7460_7132	7460	7132	-18.406	1.152	0.191	0.024	-9.036	-28.921	1
7460_7461	7460	7461	-77.111	10.042	-1.09	0.037	-14.56	17.427	1
7461_7461	7461	7461	-18.385	0.337	0.589	-0.152	-7.571	-34.569	1
7461_7462	7461	7462	-77.322	5.597	1.045	-0.239	-9.988	-2.089	1
7462_7462	7462	7462	-18.389	-0.105	0.572	0.013	-5.508	-35.745	1
7462_7463	7462	7463	-77.435	3.74	0.975	0.002	0.653	-42.938	1
7463_7463	7463	7463	-17.998	-0.647	-0.059	-0.036	0.81	-34.766	1
7463_7464	7463	7464	-71.955	1.799	-0.037	-0.098	0.379	-55.9	1
7464_7464	7464	7464	-17.977	-1.073	-0.086	-0.002	0.396	-30.103	1
7464_7465	7464	7465	-71.977	0.093	-0.14	-0.027	-0.601	-56.567	1
7465_7465	7465	7465	-17.659	-1.634	-0.013	-0.014	-0.145	-22.389	1
7465_7466	7465	7466	-68.657	-1.623	0.016	-0.065	-0.402	-33.168	1
7466_7466	7466	7466	-17.404	-2.217	0.168	0.003	-0.28	1.265	1
7466_7467	7466	7467	-66.553	-3.582	0.263	-0.052	1.818	-1.025	1
7467_7467	7467	7467	-17.355	-2.574	0.15	-0.041	1.195	20.893	1
7467_7468	7467	7468	-66.466	-4.898	0.198	-0.088	2.915	25.315	1
7468_7468	7468	7468	-17.415	1.147	-0.502	0.326	2.18	35.206	1
7468_7469	7468	7469	-65.157	9.099	0.24	0.105	3.767	-1.022	1
7469_7469	7469	7469	-16.668	-1.587	0.344	-0.227	0.459	14.727	1
7469_7470	7469	7470	-60.977	-9.123	-0.331	0.056	2.085	10.127	1
7470_7470	7470	7470	-16.767	1.986	-0.111	0.02	1.425	19.523	1
7470_7471	7470	7471	-62.549	4.042	-0.164	0.077	1.132	-12.337	1
7471_7471	7471	7471	-16.805	1.634	-0.114	0.001	0.809	8.483	1
7471_7472	7471	7472	-62.62	2.726	-0.176	0.056	-0.43	-36.502	1
7472_7472	7472	7472	-17.152	1.118	0.009	0.008	-0.225	-6.029	1
7472_7473	7472	7473	-64.927	1.004	-0.013	0.063	-0.487	-50.965	1
7473_7473	7473	7473	-17.639	0.598	0.03	0.032	-0.142	-22.039	1
7473_7474	7473	7474	-68.534	-0.65	0.013	0.088	-0.341	-46.272	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7474_7474	7474	7474	-17.648	0.188	0.055	-0.008	0.084	-26.349	1
7474_7475	7474	7475	-68.5	-2.243	0.109	0.03	0.471	-30.105	1
7475_7475	7475	7475	-18.225	-0.289	-0.296	0	0.457	-27.648	1
7475_7476	7475	7476	-74.337	-4.134	-0.814	0.003	-8.377	15.037	1
7476_7476	7476	7476	-18.212	-0.727	-0.3	0.072	-2.78	-24.487	1
7476_7477	7476	7477	-74.216	-5.916	-0.829	0.201	-11.264	35.674	1
7477_7477	7477	7477	-18.26	-0.72	-0.344	-0.017	-4.065	-21.953	1
7477_7148	7477	7148	-74.351	-7.032	1.597	-0.037	-5.473	64.456	1
7480_7168	7480	7168	-20.086	0.757	0.445	0.021	-6.058	-25.223	1
7480_7481	7480	7481	-78.365	7.387	-1.414	0.044	-12.025	34.014	1
7481_7481	7481	7481	-20.039	0.73	0.353	-0.13	-4.045	-28.317	1
7481_7482	7481	7482	-78.282	6.257	0.972	-0.166	-7.92	12.199	1
7482_7482	7482	7482	-20.052	0.248	0.3	0.019	-2.792	-30.864	1
7482_7483	7482	7483	-78.412	4.377	0.768	-0.008	0.456	-35.604	1
7483_7483	7483	7483	-19.707	-0.313	-0.043	-0.009	0.488	-33.736	1
7483_7484	7483	7484	-72.693	2.284	-0.058	-0.054	-0.017	-52.064	1
7484_7484	7484	7484	-19.694	-0.771	-0.044	-0.012	0.176	-31.483	1
7484_7485	7484	7485	-72.726	0.594	-0.061	-0.051	-0.46	-56.347	1
7485_7485	7485	7485	-19.414	-1.378	-0.011	-0.008	-0.124	-25.948	1
7485_7486	7485	7486	-69.236	-1.263	0.019	-0.056	-0.264	-38.136	1
7486_7486	7486	7486	-19.234	-1.995	0.166	0.005	-0.286	-6.087	1
7486_7487	7486	7487	-67.062	-3.22	0.218	-0.049	1.541	-9.625	1
7487_7487	7487	7487	-19.189	-2.39	0.147	-0.03	1.18	11.58	1
7487_7488	7487	7488	-66.981	-4.598	0.154	-0.072	2.401	15.93	1
7488_7488	7488	7488	-19.281	1.725	-0.247	0.295	2.103	25.078	1
7488_7489	7488	7489	-65.575	9.54	0.443	0.029	3.8	-12.912	1
7489_7489	7489	7489	-15.057	-1.303	0.394	-0.302	1.013	20.155	1
7489_7490	7489	7490	-66.964	-9.867	-0.336	-0.035	2.656	13.216	1
7490_7490	7490	7490	-15.084	1.925	-0.17	0.019	2.095	24.037	1
7490_7491	7490	7491	-68.527	4.578	-0.238	0.082	1.27	-12.231	1
7491_7491	7491	7491	-15.121	1.607	-0.156	0.008	1.143	13.34	1
7491_7492	7491	7492	-68.608	3.138	-0.173	0.044	-0.253	-40.041	1
7492_7492	7492	7492	-15.381	1.144	0.009	0.012	-0.268	-0.908	1
7492_7493	7492	7493	-70.957	1.191	-0.036	0.057	-0.676	-57.199	1
7493_7493	7493	7493	-15.743	0.669	0.067	0.003	-0.182	-17.33	1
7493_7494	7493	7494	-74.681	-0.741	0.122	0.02	0.282	-51.857	1
7494_7494	7494	7494	-15.754	0.303	0.045	0.027	0.288	-22.158	1
7494_7495	7494	7495	-74.644	-2.476	0.021	0.084	0.414	-34.009	1
7495_7495	7495	7495	-16.204	-0.124	-0.404	-0.003	0.603	-24.344	1
7495_7496	7495	7496	-80.639	-4.662	-0.787	-0.001	-8.12	16.896	1
7496_7496	7496	7496	-16.196	-0.513	-0.407	0.093	-3.809	-22.984	1
7496_7497	7496	7497	-80.504	-6.595	-0.803	0.19	-10.917	39.901	1
7497_7497	7497	7497	-16.231	-0.508	-0.121	-0.022	-5.536	-21.195	1
7497_7184	7497	7184	-80.607	-7.773	1.323	-0.047	-6.166	71.718	1
7500_7204	7500	7204	-15.415	-0.034	0.386	0.029	-7.305	-32.757	1
7500_7501	7500	7501	-79.202	6.646	-1.118	0.055	-13.235	11.413	1
7501_7501	7501	7501	-15.386	-0.025	0.412	-0.093	-5.505	-32.621	1
7501_7502	7501	7502	-79.156	5.378	0.857	-0.239	-9.705	-7.348	1
7502_7502	7502	7502	-15.38	-0.395	0.415	-0.002	-4.072	-32.532	1
7502_7503	7502	7503	-79.262	3.477	0.873	-0.007	-0.179	-45.321	1
7503_7503	7503	7503	-14.527	-0.796	-0.046	-0.002	0.469	-28.224	1
7503_7504	7503	7504	-71.847	1.095	-0.067	-0.042	-0.64	-54.637	1
7504_7504	7504	7504	-14.505	-1.133	-0.026	-0.035	0.129	-22.488	1
7504_7505	7504	7505	-71.855	-0.504	0.031	-0.1	-0.448	-50.089	1
7505_7505	7505	7505	-13.705	-1.579	-0.035	-0.016	-0.021	-14.4	1
7505_7506	7505	7506	-66.28	-2.572	0.004	-0.072	-0.406	-13	1
7506_7506	7506	7506	-12.974	-2.028	0.426	0.016	-0.515	8.404	1
7506_7507	7506	7507	-61.711	-4.65	0.009	-0.067	-0.403	28.169	1
7507_7507	7507	7507	-12.93	-2.294	0.413	-0.075	3.245	26.361	1
7507_7508	7507	7508	-61.602	-5.918	-0.051	-0.085	-0.698	61.056	1
7508_7508	7508	7508	-12.488	0.368	0.027	0.937	5.81	39.276	1
7508_7509	7508	7509	-57.9	6.382	1.51	0.577	3.701	43.112	1
7509_7509	7509	7509	-12.445	-0.196	0.416	-0.964	5.897	38.218	1
7509_7510	7509	7510	-57.777	-5.85	1.585	-0.603	8.499	60.885	1
7510_7510	7510	7510	-13.094	1.971	-0.145	0.028	1.727	32.049	1
7510_7511	7510	7511	-57.86	4.673	0.336	0.024	-3.361	10.013	1
7511_7511	7511	7511	-13.132	1.701	-0.132	0.029	0.915	21.095	1
7511_7512	7511	7512	-57.943	3.482	0.391	0.102	0.099	-20.816	1
7512_7512	7512	7512	-14.054	1.246	0.007	0.027	-0.237	5.935	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7512_7513	7512	7513	-63.074	1.541	-0.059	0.073	-0.65	-43.04	1
7513_7513	7513	7513	-15.052	0.804	0.048	0.031	-0.135	-11.963	1
7513_7514	7513	7514	-69.276	-0.416	0.053	0.068	-0.19	-40.041	1
7514_7514	7514	7514	-15.067	0.454	0.049	0.025	0.215	-17.759	1
7514_7515	7514	7515	-69.248	-2.026	0.056	0.071	0.216	-25.439	1
7515_7515	7515	7515	-16.124	0.041	-0.422	0.031	0.602	-20.993	1
7515_7516	7515	7516	-77.31	-4.302	-0.905	-0.023	-9.576	21.535	1
7516_7516	7516	7516	-16.122	-0.346	-0.348	0.028	-3.973	-21.442	1
7516_7517	7516	7517	-77.188	-6.154	-0.556	0.306	-11.541	42.988	1
7517_7517	7517	7517	-16.156	-0.333	-0.637	-0.037	-5.267	-20.254	1
7517_7220	7517	7220	-77.233	-7.485	1.211	-0.034	-7.139	73.597	1
7520_7240	7520	7240	-17.996	-3.312	-1.154	0.199	-9.999	-47.496	1
7520_7521	7520	7521	-83.419	-7.415	-3.741	-0.427	-22.51	37.513	1
7521_7521	7521	7521	-18.699	-0.049	0.797	-0.168	-12.511	-39.289	1
7521_7522	7521	7522	-84.415	6.217	1.304	-0.389	-16.656	3.211	1
7522_7522	7522	7522	-18.691	-0.496	0.836	-0.015	-9.755	-39.112	1
7522_7523	7522	7523	-84.547	4.617	1.468	0.021	-0.721	-35.092	1
7523_7523	7523	7523	-17.599	-0.908	0.007	-0.008	-0.534	-33.674	1
7523_7524	7523	7524	-77.543	2.042	-0.03	-0.002	-0.563	-49.773	1
7524_7524	7524	7524	-17.574	-1.316	0.042	-0.049	-0.499	-27.127	1
7524_7525	7524	7525	-77.573	0.498	0.125	-0.081	0.234	-49.799	1
7525_7525	7525	7525	-16.897	-1.857	0.001	-0.034	-0.137	-17.739	1
7525_7526	7525	7526	-71.941	-1.886	-0.049	-0.052	-0.229	-21.635	1
7526_7526	7526	7526	-16.466	-2.493	0.918	-0.016	-0.018	9.076	1
7526_7527	7526	7527	-67.137	-4.39	1.053	-0.014	9.36	17.274	1
7527_7527	7527	7527	-16.409	-2.83	0.965	-0.101	8.145	31.139	1
7527_7528	7527	7528	-67.03	-5.769	1.238	-0.161	16.258	49.321	1
7528_7528	7528	7528	-15.733	0.66	-0.384	1.487	13.873	46.739	1
7528_7529	7528	7529	-61.928	7.559	-0.111	1.826	16.402	28.591	1
7529_7529	7529	7529	-15.569	-0.238	0.48	-1.609	12.741	45.451	1
7529_7530	7529	7530	-61.667	-6.555	1.009	-2.017	19.685	54.522	1
7530_7530	7530	7530	-15.838	2.459	0.224	-0.069	-3.978	38.976	1
7530_7531	7530	7531	-66.282	5.187	0.835	-0.112	-10.486	5.135	1
7531_7531	7531	7531	-15.885	2.129	0.281	0.074	-2.77	25.304	1
7531_7532	7531	7532	-66.373	3.807	1.066	0.123	-1.05	-28.608	1
7532_7532	7532	7532	-17	1.566	-0.011	0.029	-0.243	6.381	1
7532_7533	7532	7533	-71.174	1.674	0.006	0.048	-0.696	-50.598	1
7533_7533	7533	7533	-18.231	1.02	0.007	0.057	-0.35	-16.184	1
7533_7534	7533	7534	-76.631	-0.81	-0.008	0.091	-0.46	-44.743	1
7534_7534	7534	7534	-18.249	0.603	0.048	0.011	-0.281	-23.545	1
7534_7535	7534	7535	-76.592	-2.563	0.159	0.003	0.72	-26.283	1
7535_7535	7535	7535	-19.498	0.067	-0.116	0.049	0.134	-27.665	1
7535_7536	7535	7536	-82.373	-5.269	-0.38	-0.007	-3.142	31.287	1
7536_7536	7536	7536	-19.494	-0.396	-0.061	-0.004	-1.113	-28.398	1
7536_7537	7536	7537	-82.225	-7.225	-0.153	0.156	-3.699	56.481	1
7537_7537	7537	7537	-19.462	-0.409	-0.329	-0.261	-1.268	-27.058	1
7537_7253	7537	7253	-82.234	-8.388	-0.103	-0.336	-3.946	90.653	1
7540_7275	7540	7275	-16.423	-0.279	-0.122	0.064	-8.703	-42.49	1
7540_7541	7540	7541	-85.463	7.302	2.397	0.651	9.54	29.235	1
7541_7541	7541	7541	-16.675	-0.318	0.555	-0.078	-8.848	-41.39	1
7541_7542	7541	7542	-84.198	6.543	-0.714	0.087	7.597	6.206	1
7542_7542	7542	7542	-16.661	-0.73	0.591	0.007	-6.933	-40.275	1
7542_7543	7542	7543	-84.336	4.455	-0.538	-0.088	1.727	-42.423	1
7543_7543	7543	7543	-15.206	-1.04	-0.015	-0.001	-0.386	-32.517	1
7543_7544	7543	7544	-78.397	1.934	-0.256	0.025	0.339	-52.203	1
7544_7544	7544	7544	-15.177	-1.398	0.029	-0.059	-0.519	-25.02	1
7544_7545	7544	7545	-78.421	0.085	-0.036	-0.13	0.029	-52.817	1
7545_7545	7545	7545	-14.33	-1.848	0.023	-0.046	-0.227	-15.029	1
7545_7546	7545	7546	-73.089	-2.489	0.003	-0.07	0.555	-16.785	1
7546_7546	7546	7546	-13.94	-2.467	1.031	-0.032	0.238	11.644	1
7546_7547	7546	7547	-68.971	-5.272	1.989	0.006	18.646	30.046	1
7547_7547	7547	7547	-13.882	-2.758	1.078	-0.125	9.416	33.484	1
7547_7548	7547	7548	-68.838	-6.718	2.211	-0.293	30.967	67.332	1
7548_7548	7548	7548	-12.679	0.234	-0.435	1.986	15.711	48.813	1
7548_7549	7548	7549	-62.834	7.339	-0.966	3.792	28.563	44.331	1
7549_7549	7549	7549	-12.378	0.54	0.675	-2.225	14.507	49.574	1
7549_7550	7549	7550	-62.391	-5.76	1.294	-4.183	32.616	64.341	1
7550_7550	7550	7550	-10.938	2.896	-1.083	0.041	16.336	47.621	1
7550_7551	7550	7551	-65.439	4.157	1.564	-0.191	-17.662	-18.151	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7551_7551	7551	7551	-11.005	2.64	-1.054	-0.124	10.176	31.251	1
7551_7552	7551	7552	-65.515	2.62	1.721	0.18	-3.141	-40.248	1
7552_7552	7552	7552	-10.868	2.296	-0.16	-0.038	1.186	8.926	1
7552_7553	7552	7553	-68.199	-0.464	0.146	0.05	-0.804	-34.546	1
7553_7553	7553	7553	-10.501	1.824	-0.134	-0.013	-1.085	-23.111	1
7553_7554	7553	7554	-71.44	-3.154	0.181	0.051	0.807	-13.281	1
7554_7554	7554	7554	-10.544	1.558	-0.118	-0.013	-2.009	-35.964	1
7554_7555	7554	7555	-71.337	-4.959	0.278	0.012	2.774	21.623	1
7555_7555	7555	7555	-10.501	1.15	0.285	0.017	-2.753	-45.344	1
7555_7556	7555	7556	-74.506	-7.643	0.18	-0.008	4.877	96.215	1
7556_7556	7556	7556	-10.528	0.856	0.29	-0.017	0.292	-57.598	1
7556_7557	7556	7557	-74.263	-9.724	0.213	-0.101	5.592	129.556	1
7557_7557	7557	7557	-11.32	1.99	2.789	0.278	1.273	-60.366	1
7557_7288	7557	7288	-73.916	-4.848	-2.112	-0.393	-2.942	149.297	1
47000_7000	47000	7000	-0.595	-3.237	0.737	0.616	0	-4.946	1
47000_7001	47000	7001	-1.462	-15.266	0.892	0.488	9.373	149.159	1
47001_7001	47001	7001	-0.595	-3.237	0.737	0.615	7.744	29.06	1
47001_7002	47001	7002	-1.462	-15.266	0.892	0.488	17.756	292.604	1
47002_7002	47002	7002	-0.599	-3.323	-0.15	0.752	14.67	59.473	1
47002_7003	47002	7003	-1.468	-17.695	-0.442	0.521	12.4	506.87	1
47003_7003	47003	7003	-0.599	-3.323	-0.149	0.845	12.854	99.704	1
47003_7004	47003	7004	-1.469	-17.695	-0.441	0.991	7.057	721.267	1
47004_7004	47004	7004	-0.598	-3.298	0.05	0.545	11.044	139.966	1
47004_7005	47004	7005	-1.467	-23.374	0.001	-0.176	7.066	1004.264	1
47005_7005	47005	7005	-0.598	-3.298	0.051	0.859	11.645	179.883	1
47005_7006	47005	7006	-1.467	-23.374	0.003	1.576	7.107	1287.378	1
47006_7006	47006	7006	-0.597	-3.362	0.195	0.409	12.26	219.825	1
47006_7007	47006	7007	-1.467	-32.807	0.098	-0.798	8.297	1684.683	1
47007_7007	47007	7007	-0.597	-3.362	0.196	0.863	14.619	260.538	1
47007_7008	47007	7008	-1.467	3.993	0.101	2.138	9.518	1636.296	1
47008_7008	47008	7008	-0.597	-3.439	0.214	0.207	16.993	301.277	1
47008_7009	47008	7009	-1.467	-7.489	0.211	-1.015	12.075	1726.96	1
47009_7009	47009	7009	-0.596	-3.439	0.215	0.804	19.589	342.912	1
47009_7010	47009	7010	-1.466	11.77	0.214	1.993	14.665	1584.378	1
47010_7010	47010	7010	-0.596	-3.584	0.21	-0.008	22.199	384.579	1
47010_7011	47010	7011	-1.466	21.905	0.168	-0.771	16.694	1319.129	1
47011_7011	47011	7011	-0.596	-3.584	0.211	0.694	24.743	472.997	1
47011_7012	47011	7012	-1.466	27.722	0.17	1.391	18.752	983.388	1
47012_7012	47012	7012	-0.596	-3.866	0.225	-0.3	27.297	471.411	1
47012_7013	47012	7013	-1.465	20.045	0.319	-0.511	22.612	740.655	1
47013_7013	47013	7013	-0.595	-3.866	0.226	0.601	30.022	518.224	1
47013_7014	47013	7014	-1.464	20.045	0.321	0.777	26.504	497.762	1
47014_7014	47014	7014	-0.595	-4.197	0.226	-0.205	32.761	565.074	1
47014_7015	47014	7015	-1.465	15.608	0.145	-0.014	28.803	250.544	1
47015_7015	47015	7015	-0.558	-4.202	0.227	0.113	36.351	631.229	1
47015_7016	47015	7016	-1.76	43.526	0.287	0.627	39.351	939.263	1
47016_7016	47016	7016	-0.463	-5.085	0.108	-0.54	37.002	653.873	1
47016_7017	47016	7017	-2.377	40.109	-0.002	-0.541	39.488	694.773	1
47017_7017	47017	7017	-0.338	-5.079	0.107	-0.132	37.908	709.63	1
47017_7018	47017	7018	-3.642	46.796	-0.065	0.085	37.821	394.018	1
47018_7018	47018	7018	-0.165	-5.676	0.042	-1.117	39.317	776.999	1
47018_7019	47018	7019	-4.945	49.627	0.201	-0.228	38.091	120.949	1
47019_7019	47019	7019	-0.173	1.14	-0.098	0.157	-18.254	-295.151	1
47019_7020	47019	7020	-6.886	56.995	0.161	-0.454	37.707	-252.792	1
47020_7020	47020	7020	-60.683	-1.689	0.437	0.766	-53.385	-26.768	1
47020_7021	47020	7021	-12.314	0.938	-0.434	-0.384	24.791	133.808	1
47021_7021	47021	7021	-60.682	-1.689	0.473	0.645	-49.234	-25.388	1
47021_7022	47021	7022	-12.315	0.938	-0.427	-0.202	21.485	123.564	1
47022_7022	47022	7022	-60.682	-1.689	0.551	0.629	-45.57	-12.305	1
47022_7023	47022	7023	-12.315	0.938	-0.411	-0.044	18.303	116.297	1
47023_7023	47023	7023	-60.688	-2.193	0.837	0.847	-41.303	0.775	1
47023_7024	47023	7024	-12.316	0.898	-0.275	-0.394	16.104	109.104	1
47024_7024	47024	7024	-60.687	-2.193	0.904	0.868	-34.6	18.333	1
47024_7025	47024	7025	-12.316	0.898	-0.261	-0.273	14.018	101.922	1
47025_7025	47025	7025	-60.687	-2.193	0.904	0.868	-27.37	35.866	1
47025_7026	47025	7026	-12.316	0.898	-0.261	-0.273	11.932	94.739	1
47026_7026	47026	7026	-60.686	-2.833	1.021	0.88	-20.14	53.395	1
47026_7027	47026	7027	-12.316	0.903	-0.251	-0.432	10.426	89.315	1
47027_7027	47027	7027	-60.687	-2.833	1.01	0.868	-14.009	70.405	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47027_7028	47027	7028	-12.316	0.903	-0.253	-0.448	8.909	83.899	1
47028_7028	47028	7028	-60.685	-2.833	1.122	1.028	-7.953	87.385	1
47028_7029	47028	7029	-12.317	0.903	-0.23	-0.294	7.526	78.476	1
47029_7029	47029	7029	-60.685	-2.833	1.122	1.028	-1.22	104.392	1
47029_7030	47029	7030	-12.317	0.903	-0.23	-0.294	6.143	73.053	1
47030_7030	47030	7030	-60.684	-3.217	0.98	0.844	5.513	121.399	1
47030_7031	47030	7031	-12.317	0.911	-0.226	-0.452	4.338	65.77	1
47031_7031	47031	7031	-60.684	-3.217	0.987	0.863	13.343	147.11	1
47031_7032	47031	7032	-12.317	0.911	-0.224	-0.443	2.544	58.477	1
47032_7032	47032	7032	-60.683	-3.217	1.063	1.078	21.246	172.852	1
47032_7033	47032	7033	-12.317	0.911	-0.209	-0.37	0.872	51.186	1
47033_7033	47033	7033	-60.683	-3.347	0.923	0.674	29.751	198.595	1
47033_7034	47033	7034	-12.32	0.929	-0.508	-0.374	-3.065	43.985	1
47034_7034	47034	7034	-60.684	-3.347	0.845	0.386	36.9	224.532	1
47034_7035	47034	7035	-12.319	0.929	-0.524	-0.431	-7.125	36.781	1
47035_7035	47035	7035	-60.682	-3.347	0.961	1.11	43.446	265.898	1
47035_7036	47035	7036	-12.32	0.929	-0.5	-0.487	-11.877	31.087	1
47036_7036	47036	7036	-12.437	7.401	0.061	0.761	26.489	880.482	1
47036_7037	47036	7037	-23.619	-42.87	-0.148	1.195	27.502	-171.424	1
47037_7037	47037	7037	-12.626	7.073	0.072	0.672	27.22	787.487	1
47037_7038	47037	7038	-22.484	-43.026	-0.132	0.334	25.973	-352.864	1
47038_7038	47038	7038	-12.835	6.089	-0.071	0.167	28.115	698.837	1
47038_7039	47038	7039	-21.621	-44.716	0.124	0.154	28.353	796.947	1
47039_7039	47039	7039	-12.981	5.773	-0.043	0.834	27.134	616.734	1
47039_7040	47039	7040	-20.223	-32.693	0.144	0.964	30.276	990.718	1
47040_7040	47040	7040	-13.083	4.793	-0.093	-0.256	26.647	548.879	1
47040_7041	47040	7041	-19.505	-17.037	-0.07	-0.814	29.708	1034.872	1
47041_7041	47041	7041	-13.125	4.678	-0.068	0.499	25.88	505.603	1
47041_7042	47041	7042	-19.381	-4.815	-0.008	0.913	29.799	1097.816	1
47042_7042	47042	7042	-13.125	4.11	-0.159	-0.304	24.834	433.449	1
47042_7043	47042	7043	-19.38	2.218	-0.249	-0.826	26.838	1071.508	1
47043_7043	47043	7043	-13.126	4.11	-0.137	0.34	22.946	384.54	1
47043_7044	47043	7044	-19.381	21.783	-0.216	0.967	24.263	812.33	1
47044_7044	47044	7044	-13.126	3.885	-0.102	-0.307	21.32	335.64	1
47044_7045	47044	7045	-19.38	14.033	-0.083	-0.388	23.279	645.208	1
47045_7045	47045	7045	-13.126	3.885	-0.092	-0.086	20.102	289.381	1
47045_7046	47045	7046	-19.381	14.033	-0.068	0.104	22.471	148.268	1
47046_7046	47046	7046	-13.126	3.8	-0.097	-0.507	19.005	243.166	1
47046_7047	47046	7047	-19.38	9.552	-0.034	-0.568	22.071	364.512	1
47047_7047	47047	7047	-13.126	3.8	-0.075	-0.176	17.853	197.929	1
47047_7048	47047	7048	-19.38	9.552	-0.001	0.042	22.057	250.813	1
47048_7048	47048	7048	-13.126	3.842	-0.092	-0.494	16.962	152.699	1
47048_7049	47048	7049	-19.38	7.423	-0.024	-0.456	21.775	162.453	1
47049_7049	47049	7049	-13.126	3.842	-0.081	-0.405	15.872	106.978	1
47049_7050	47049	7050	-19.38	7.423	-0.007	-0.32	21.686	74.111	1
47050_7050	47050	7050	-13.127	3.974	-0.184	-0.451	14.913	61.261	1
47050_7051	47050	7051	-19.381	6.829	-0.118	-0.423	19.866	-31.214	1
47051_7051	47051	7051	-13.16	3.863	-0.162	-0.568	12.076	1.278	1
47051_7052	47051	7052	-19.438	6.666	-0.086	-0.651	19.155	-84.276	1
47052_7052	47052	7052	-13.225	3.883	-0.251	-0.285	10.743	-30.575	1
47052_7053	47052	7053	-19.545	6.543	-0.207	-0.187	16.725	-161.228	1
47053_7053	47053	7053	-13.32	3.546	-0.222	-0.725	7.769	-71.985	1
47053_7054	47053	7054	-19.705	6.044	-0.164	-1.023	14.518	-235.119	1
47054_7054	47054	7054	-13.418	3.387	0.048	-0.358	4.842	-119.02	1
47054_7055	47054	7055	-19.867	5.77	-0.002	-0.342	14.541	-307.42	1
47055_7055	47055	7055	-13.502	3.037	0.069	-0.756	5.401	-161.467	1
47055_7056	47055	7056	-20.01	5.251	0.029	-1.208	14.842	-373.373	1
47056_7056	47056	7056	-52.352	-1.39	0.532	0.864	-47.875	18.425	1
47056_7057	47056	7057	-10.937	0.787	-0.234	-0.382	13.504	113.755	1
47057_7057	47057	7057	-52.351	-1.39	0.592	0.868	-42.816	28.822	1
47057_7058	47057	7058	-10.937	0.787	-0.221	-0.239	11.787	107.071	1
47058_7058	47058	7058	-52.35	-1.39	0.66	0.919	-38.225	39.593	1
47058_7059	47058	7059	-10.937	0.787	-0.207	-0.101	10.18	100.976	1
47059_7059	47059	7059	-52.345	-1.981	0.726	0.961	-33.113	50.366	1
47059_7060	47059	7060	-10.937	0.764	-0.098	-0.448	9.396	94.873	1
47060_7060	47060	7060	-52.344	-1.981	0.796	1.05	-27.311	66.199	1
47060_7061	47060	7061	-10.938	0.764	-0.084	-0.321	8.727	88.763	1
47061_7061	47061	7061	-52.343	-1.981	0.861	1.152	-20.942	82.051	1
47061_7062	47061	7062	-10.938	0.764	-0.07	-0.211	8.168	82.654	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47062_7062	47062	7062	-52.343	-2.716	0.877	0.984	-14.052	97.893	1
47062_7063	47062	7063	-10.938	0.772	-0.101	-0.464	7.56	78.016	1
47063_7063	47063	7063	-52.341	-2.716	0.964	1.174	-8.786	114.2	1
47063_7064	47063	7064	-10.938	0.772	-0.083	-0.335	7.06	73.379	1
47064_7064	47064	7064	-52.341	-2.716	0.958	1.159	-2.998	130.506	1
47064_7065	47064	7065	-10.938	0.772	-0.084	-0.343	6.554	68.75	1
47065_7065	47065	7065	-52.341	-2.716	0.964	1.176	2.744	146.785	1
47065_7066	47065	7066	-10.938	0.772	-0.083	-0.335	6.055	64.112	1
47066_7066	47066	7066	-52.34	-3.208	0.892	1.081	8.532	163.097	1
47066_7067	47066	7067	-10.938	0.774	-0.042	-0.415	5.718	57.925	1
47067_7067	47067	7067	-52.34	-3.208	0.892	1.081	15.668	188.755	1
47067_7068	47067	7068	-10.938	0.774	-0.042	-0.415	5.382	51.736	1
47068_7068	47068	7068	-52.34	-3.208	0.897	1.099	22.804	214.414	1
47068_7069	47068	7069	-10.938	0.774	-0.041	-0.411	5.052	45.539	1
47069_7069	47069	7069	-52.343	-3.41	0.876	0.603	29.984	240.114	1
47069_7070	47069	7070	-10.94	0.79	-0.287	-0.456	2.831	39.424	1
47070_7070	47070	7070	-52.341	-3.41	0.943	0.946	36.768	266.526	1
47070_7071	47070	7071	-10.94	0.79	-0.273	-0.406	0.719	33.308	1
47071_7071	47071	7071	-52.341	-3.41	0.948	1.046	44.074	296.885	1
47071_7072	47071	7072	-10.94	0.79	-0.272	-0.423	-1.861	26.633	1
47072_7072	47072	7072	-7.418	6.258	-0.109	0.848	28.973	852.017	1
47072_7073	47072	7073	-19.811	-46.483	-0.237	1.125	26.699	45.173	1
47073_7073	47073	7073	-7.579	6.063	-0.102	0.745	27.572	773.371	1
47073_7074	47073	7074	-18.596	-46.982	-0.225	0.466	23.893	634.252	1
47074_7074	47074	7074	-7.749	5.422	0.013	0.296	26.289	697.365	1
47074_7075	47074	7075	-17.517	-44.048	0.205	0.29	27.958	860.588	1
47075_7075	47075	7075	-7.885	5.222	0.027	0.726	26.434	622.888	1
47075_7076	47075	7076	-15.999	-31.911	0.206	0.892	30.527	1049.851	1
47076_7076	47076	7076	-7.977	4.283	-0.107	0.035	26.766	561.514	1
47076_7077	47076	7077	-15.441	-16.787	-0.17	-0.26	29.269	1084.56	1
47077_7077	47077	7077	-8.013	4.215	-0.098	0.393	25.881	529.034	1
47077_7078	47077	7078	-15.299	-2.737	-0.172	0.65	26.523	1109.078	1
47078_7078	47078	7078	-8.014	3.905	-0.142	-0.156	24.512	470.096	1
47078_7079	47078	7079	-15.3	11.625	-0.171	-0.381	25.232	1049.717	1
47079_7079	47079	7079	-8.014	3.905	-0.135	0.203	22.927	426.37	1
47079_7080	47079	7080	-15.3	19.854	-0.158	0.504	23.468	827.63	1
47080_7080	47080	7080	-8.014	3.693	-0.114	-0.31	21.419	382.689	1
47080_7081	47080	7081	-15.3	12.905	-0.068	-0.417	22.713	683.292	1
47081_7081	47081	7081	-8.014	3.693	-0.106	0.011	20.145	341.378	1
47081_7082	47081	7082	-15.3	12.905	-0.053	0.225	22.118	538.822	1
47082_7082	47082	7082	-8.014	3.588	-0.119	-0.419	18.955	300.035	1
47082_7083	47082	7083	-15.301	8.64	-0.083	-0.422	21.113	434.944	1
47083_7083	47083	7083	-8.014	3.588	-0.112	-0.205	17.523	256.89	1
47083_7084	47083	7084	-15.301	8.64	-0.071	-0.061	20.262	331.055	1
47084_7084	47084	7084	-8.014	3.563	-0.109	-0.494	16.171	213.749	1
47084_7085	47084	7085	-15.301	6.537	-0.061	-0.472	19.579	257.897	1
47085_7085	47085	7085	-8.015	3.563	-0.103	-0.346	14.946	173.872	1
47085_7086	47085	7086	-15.301	6.537	-0.048	-0.252	19.042	184.804	1
47086_7086	47086	7086	-8.015	3.596	-0.087	-0.576	13.799	134.034	1
47086_7087	47086	7087	-15.301	5.272	-0.048	-0.579	17.701	108.389	1
47087_7087	47087	7087	-8.015	3.596	-0.073	-0.409	12.827	93.79	1
47087_7088	47087	7088	-15.301	5.272	-0.02	-0.385	17.473	49.396	1
47088_7088	47088	7088	-8.015	3.685	-0.213	-0.502	12.014	53.548	1
47088_7089	47088	7089	-15.302	5.344	-0.173	-0.518	15.151	-22.493	1
47089_7089	47089	7089	-8.047	3.616	-0.198	-0.536	9.14	2.453	1
47089_7090	47089	7090	-15.351	5.609	-0.141	-0.68	15.008	-70.513	1
47090_7090	47090	7090	-8.109	3.623	-0.238	-0.364	7.504	-27.365	1
47090_7091	47090	7091	-15.448	5.676	-0.225	-0.357	12.365	-137.219	1
47091_7091	47091	7091	-8.197	3.419	-0.226	-0.632	4.683	-68.603	1
47091_7092	47091	7092	-15.586	5.286	-0.2	-0.921	9.68	-204.784	1
47092_7092	47092	7092	-8.292	3.35	0.024	-0.362	1.698	-113.952	1
47092_7093	47092	7093	-16.158	46.881	0.246	-0.399	29.529	40.55	1
47093_7093	47093	7093	-8.377	3.133	0.037	-0.662	1.964	-155.946	1
47093_7094	47093	7094	-17.374	46.444	0.266	-1.104	32.86	-542.914	1
47094_7094	47094	7094	-51.282	-1.639	0.538	0.857	-44.025	-2.63	1
47094_7095	47094	7095	-11.538	-0.611	0.21	0.321	-1.268	37.874	1
47095_7095	47095	7095	-51.282	-1.639	0.584	0.845	-38.912	10.9	1
47095_7096	47095	7096	-11.538	-0.611	0.221	0.346	0.443	42.143	1
47096_7096	47096	7096	-51.281	-1.639	0.653	0.877	-34.387	23.595	1

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47096_7097	47096	7097	-11.538	-0.611	0.236	0.402	2.275	46.88	1
47097_7097	47097	7097	-51.281	-2.203	0.701	0.95	-29.326	36.308	1
47097_7098	47097	7098	-11.537	-0.605	0.055	0.27	2.714	51.714	1
47098_7098	47098	7098	-51.281	-2.203	0.767	1.02	-23.725	53.922	1
47098_7099	47098	7099	-11.537	-0.605	0.07	0.336	3.274	56.553	1
47099_7099	47099	7099	-51.28	-2.203	0.831	1.109	-17.588	71.557	1
47099_7100	47099	7100	-11.537	-0.605	0.084	0.407	3.948	61.392	1
47100_7100	47100	7100	-51.28	-2.95	0.943	1.097	-10.938	89.2	1
47100_7101	47100	7101	-11.537	-0.602	0.112	0.301	4.619	65.002	1
47101_7101	47101	7101	-51.278	-2.95	1.031	1.281	-5.286	106.88	1
47101_7102	47101	7102	-11.537	-0.602	0.132	0.413	5.409	68.617	1
47102_7102	47102	7102	-51.282	-2.95	0.86	0.866	0.904	124.594	1
47102_7103	47102	7103	-11.537	-0.602	0.093	0.184	5.969	72.234	1
47103_7103	47103	7103	-51.28	-2.95	0.943	1.095	6.069	142.305	1
47103_7104	47103	7104	-11.537	-0.602	0.112	0.301	6.64	75.843	1
47104_7104	47104	7104	-51.28	-3.433	0.813	0.886	11.721	159.983	1
47104_7105	47104	7105	-11.537	-0.589	0.086	0.196	7.329	80.555	1
47105_7105	47105	7105	-51.279	-3.433	0.877	1.121	18.228	187.456	1
47105_7106	47105	7106	-11.537	-0.589	0.1	0.297	8.133	85.267	1
47106_7106	47106	7106	-51.279	-3.433	0.875	1.112	25.248	214.93	1
47106_7107	47106	7107	-11.537	-0.589	0.1	0.294	8.933	89.974	1
47107_7107	47107	7107	-51.278	-3.641	0.822	0.707	32.243	242.372	1
47107_7108	47107	7108	-11.537	-0.601	0.18	0.161	10.327	94.636	1
47108_7108	47108	7108	-51.278	-3.641	0.822	0.707	38.615	270.603	1
47108_7109	47108	7109	-11.537	-0.601	0.18	0.161	11.721	99.297	1
47109_7109	47109	7109	-51.277	-3.641	0.873	1.049	44.986	301.567	1
47109_7110	47109	7110	-11.536	-0.601	0.191	0.269	13.536	105.62	1
47110_7110	47110	7110	-7.965	-2.177	-0.044	0.484	3.592	-149.658	1
47110_7111	47110	7111	-19.7	-45.379	-0.291	1.111	32.508	51.125	1
47111_7111	47111	7111	-7.906	-2.384	-0.031	0.209	3.068	-122.296	1
47111_7112	47111	7112	-18.552	-41.104	-0.271	0.238	30.294	406.638	1
47112_7112	47112	7112	-7.836	-2.457	0.126	0.439	2.663	-92.408	1
47112_7113	47112	7113	-17.71	-43.033	0.019	0.445	31.339	835.384	1
47113_7113	47113	7113	-7.772	-2.653	0.136	0.231	4.34	-61.119	1
47113_7114	47113	7114	-16.377	-4.787	0.128	0.247	15.301	-75.026	1
47114_7114	47114	7114	-7.726	-2.647	0.105	0.379	5.934	-29.932	1
47114_7115	47114	7115	-16.294	-4.689	0.02	0.548	15.463	-36.343	1
47115_7115	47115	7115	-7.703	-2.714	0.11	0.32	6.807	-7.756	1
47115_7116	47115	7116	-16.253	-4.829	0.029	0.395	15.874	31.837	1
47116_7116	47116	7116	-7.703	-2.608	0.04	0.303	8.34	30.164	1
47116_7117	47116	7117	-16.253	-4.725	-0.036	0.315	15.472	84.714	1
47117_7117	47117	7117	-7.703	-2.608	0.046	0.355	8.782	59.35	1
47117_7118	47117	7118	-16.253	-4.725	-0.022	0.389	15.231	137.543	1
47118_7118	47118	7118	-7.703	-2.566	0.042	0.284	9.3	88.509	1
47118_7119	47118	7119	-16.253	-5.32	-0.018	0.236	15.032	197.068	1
47119_7119	47119	7119	-7.703	-2.566	0.042	0.284	9.772	117.222	1
47119_7120	47119	7120	-16.253	-5.32	-0.018	0.236	14.834	256.604	1
47120_7120	47120	7120	-7.703	-2.567	0.051	0.068	10.244	145.935	1
47120_7121	47120	7121	-16.253	-7.201	-0.027	-0.144	14.516	343.192	1
47121_7121	47121	7121	-7.703	-2.567	0.064	0.362	10.859	176.791	1
47121_7122	47121	7122	-16.253	-7.201	0.001	0.427	14.522	429.753	1
47122_7122	47122	7122	-7.703	-2.652	0.045	0.005	11.628	207.647	1
47122_7123	47122	7123	-16.253	-11.388	-0.009	-0.205	14.424	557.19	1
47123_7123	47123	7123	-7.703	-2.652	0.052	0.217	12.136	237.326	1
47123_7124	47123	7124	-16.253	-11.388	0.006	0.293	14.489	684.626	1
47124_7124	47124	7124	-7.703	-2.841	0.06	-0.28	12.722	267.005	1
47124_7125	47124	7125	-16.253	-18.58	0.05	-0.864	15.046	892.555	1
47125_7125	47125	7125	-7.702	-2.841	0.074	0.254	13.396	298.801	1
47125_7126	47125	7126	-16.253	-9.965	0.079	0.731	15.928	1004.068	1
47126_7126	47126	7126	-7.702	-3.166	0.055	-0.305	14.225	330.6	1
47126_7127	47126	7127	-16.252	7.949	0.103	-0.655	17.323	896.678	1
47127_7127	47127	7127	-7.692	3.89	-0.234	-0.506	2.282	-47.16	1
47127_7128	47127	7128	-16.399	17.393	0.125	0.364	18.357	748.934	1
47128_7128	47128	7128	-7.759	3.96	-0.226	-0.313	0.349	-79.254	1
47128_7129	47128	7129	-16.997	31.924	0.003	-0.787	17.956	474.785	1
47129_7129	47129	7129	-7.858	3.76	-0.21	-0.584	-2.329	-123.332	1
47129_7130	47129	7130	-18.485	44.115	0.012	-0.039	18.275	77.338	1
47130_7130	47130	7130	-7.961	3.709	-0.203	-0.487	-5.129	-173.219	1
47130_7131	47130	7131	-19.461	45.431	-0.589	-0.388	10.461	-211.644	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47131_7131	47131	7131	-8.08	3.443	-0.198	-0.382	-7.707	-219.716	1
47131_7132	47131	7132	-21.018	46.563	-0.576	-0.846	3.556	-696.612	1
47132_7132	47132	7132	-56.94	0.222	-0.233	0.714	-12.812	97.405	1
47132_7133	47132	7133	-13.173	-0.089	0.038	0.436	6.039	68.975	1
47133_7133	47133	7133	-56.94	0.222	-0.306	0.657	-15.213	82.834	1
47133_7134	47133	7134	-13.173	-0.089	0.021	0.343	6.198	66.822	1
47134_7134	47134	7134	-56.939	0.222	-0.453	0.448	-17.585	81.112	1
47134_7135	47134	7135	-13.173	-0.089	-0.013	0.171	6.095	67.51	1
47135_7135	47135	7135	-56.938	-0.922	0.716	0.618	-21.098	79.393	1
47135_7136	47135	7136	-13.174	-0.143	0.074	0.213	6.683	68.657	1
47136_7136	47136	7136	-56.937	-0.922	0.787	0.727	-15.38	86.761	1
47136_7137	47136	7137	-13.174	-0.143	0.09	0.299	7.403	69.804	1
47137_7137	47137	7137	-56.937	-0.922	0.787	0.727	-9.081	94.138	1
47137_7138	47137	7138	-13.174	-0.143	0.09	0.299	8.124	70.951	1
47138_7138	47138	7138	-56.936	-1.577	0.497	0.608	-2.783	101.511	1
47138_7139	47138	7139	-13.173	-0.124	-0.004	0.137	8.098	71.694	1
47139_7139	47139	7139	-56.935	-1.577	0.592	0.793	0.201	110.971	1
47139_7140	47139	7140	-13.173	-0.124	0.018	0.256	8.203	72.436	1
47140_7140	47140	7140	-56.935	-1.577	0.592	0.793	3.755	120.432	1
47140_7141	47140	7141	-13.173	-0.124	0.018	0.256	8.309	73.178	1
47141_7141	47141	7141	-56.935	-1.577	0.592	0.793	7.309	129.893	1
47141_7142	47141	7142	-13.173	-0.124	0.018	0.256	8.414	73.921	1
47142_7142	47142	7142	-56.936	-2.034	0.473	0.565	10.863	139.35	1
47142_7143	47142	7143	-13.173	-0.121	0.007	0.121	8.473	74.887	1
47143_7143	47143	7143	-56.935	-2.034	0.544	0.759	14.649	155.62	1
47143_7144	47143	7144	-13.173	-0.121	0.024	0.215	8.663	75.852	1
47144_7144	47144	7144	-56.935	-2.034	0.544	0.759	19.004	171.892	1
47144_7145	47144	7145	-13.173	-0.121	0.024	0.215	8.854	76.818	1
47145_7145	47145	7145	-56.933	-2.202	0.453	0.606	23.359	188.16	1
47145_7146	47145	7146	-13.174	-0.143	0.085	0.167	9.515	77.923	1
47146_7146	47146	7146	-56.934	-2.202	0.379	0.341	26.868	205.227	1
47146_7147	47146	7147	-13.174	-0.143	0.068	0.067	10.044	79.027	1
47147_7147	47147	7147	-56.933	-2.202	0.447	0.69	29.807	233.027	1
47147_7148	47147	7148	-13.174	-0.143	0.084	0.176	10.842	82.865	1
47148_7148	47148	7148	-16.642	-2.6	0.002	0.38	-0.238	-230.567	1
47148_7149	47148	7149	-32.907	-33.053	-0.207	0.948	21.591	-407.265	1
47149_7149	47149	7149	-16.569	-3.034	0.015	0.228	-0.191	-197.896	1
47149_7150	47149	7150	-32.038	-32.623	-0.172	0.047	19.547	-26.157	1
47150_7150	47150	7150	-16.494	6.166	-0.054	0.259	21.222	620.217	1
47150_7151	47150	7151	-31.427	-35.001	0.064	0.509	20.673	365.336	1
47151_7151	47151	7151	-16.646	5.744	-0.038	0.251	20.495	532.984	1
47151_7152	47151	7152	-30.527	-35.789	0.092	0.293	21.748	776.389	1
47152_7152	47152	7152	-16.741	4.841	-0.151	0.403	20.042	465.468	1
47152_7153	47152	7153	-30.043	-39.258	-0.113	0.81	20.265	868.985	1
47153_7153	47153	7153	-16.781	4.7	-0.167	-0.148	18.802	423.591	1
47153_7154	47153	7154	-29.712	-2.709	-0.142	-0.187	18.323	902.801	1
47154_7154	47154	7154	-16.781	4.377	-0.102	-0.126	16.507	358.967	1
47154_7155	47154	7155	-29.712	-13.383	-0.117	-0.023	17.032	1050.02	1
47155_7155	47155	7155	-16.781	4.377	-0.102	-0.126	15.387	310.822	1
47155_7156	47155	7156	-29.712	5.855	-0.117	-0.023	15.741	985.619	1
47156_7156	47156	7156	-16.781	4.267	-0.102	-0.15	14.267	262.677	1
47156_7157	47156	7157	-29.712	14.888	-0.063	0.229	15.116	836.733	1
47157_7157	47157	7157	-16.781	4.267	-0.118	-0.37	13.252	220.011	1
47157_7158	47157	7158	-29.712	22.478	-0.092	-0.608	14.194	611.953	1
47158_7158	47158	7158	-16.781	4.229	-0.1	-0.279	12.069	177.343	1
47158_7159	47158	7159	-29.712	15.543	-0.017	-0.049	14.02	456.297	1
47159_7159	47159	7159	-16.781	4.229	-0.117	-0.414	11.07	135.012	1
47159_7160	47159	7160	-29.712	15.543	-0.047	-0.508	13.548	300.861	1
47160_7160	47160	7160	-16.781	4.267	-0.094	-0.365	9.904	92.724	1
47160_7161	47160	7161	-29.712	11.583	0.028	-0.228	13.855	173.45	1
47161_7161	47161	7161	-16.781	4.267	-0.11	-0.407	8.865	45.79	1
47161_7162	47161	7162	-29.712	11.583	0.001	-0.386	13.865	46.038	1
47162_7162	47162	7162	-16.781	4.378	-0.164	-0.346	7.659	-1.143	1
47162_7163	47162	7163	-29.712	9.928	-0.035	-0.285	13.384	-90.48	1
47163_7163	47163	7163	-16.816	4.239	-0.148	-0.459	5.399	-60.356	1
47163_7164	47163	7164	-30.002	39.575	0.124	0.169	21.596	528.797	1
47164_7164	47164	7164	-16.886	4.191	-0.228	-0.257	4.178	-95.33	1
47164_7165	47164	7165	-30.51	36.428	-0.13	-0.265	20.69	332.223	1
47165_7165	47165	7165	-16.986	3.765	-0.217	-0.449	1.48	-140.142	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47165_7166	47165	7166	-31.418	38.176	-0.133	-0.554	18.941	-59.328	1
47166_7166	47166	7166	-17.086	3.474	0.017	-0.257	-1.397	-190.044	1
47166_7167	47166	7167	-32.074	34.884	0.199	-0.065	21.284	-452.524	1
47167_7167	47167	7167	-17.171	3.027	0.031	-0.412	-1.208	-233.585	1
47167_7168	47167	7168	-32.973	34.036	0.223	-0.98	24.034	-880.118	1
47168_7168	47168	7168	-55.015	1.892	-0.542	-0.743	34.428	221.717	1
47168_7169	47168	7169	-10.878	0.185	-0.082	-0.162	7.941	59.958	1
47169_7169	47169	7169	-55.016	1.892	-0.479	-0.402	29.274	191.588	1
47169_7170	47169	7170	-10.878	0.185	-0.069	-0.077	7.406	56.12	1
47170_7170	47170	7170	-55.016	1.892	-0.479	-0.402	25.562	176.923	1
47170_7171	47170	7171	-10.878	0.185	-0.069	-0.077	6.871	54.684	1
47171_7171	47171	7171	-55.014	1.772	-0.572	-0.599	21.85	162.255	1
47171_7172	47171	7172	-10.878	0.177	-0.045	-0.119	6.512	53.268	1
47172_7172	47172	7172	-55.013	1.772	-0.641	-0.785	17.273	148.08	1
47172_7173	47172	7173	-10.878	0.177	-0.058	-0.186	6.044	51.853	1
47173_7173	47173	7173	-55.014	1.772	-0.572	-0.617	12.145	133.906	1
47173_7174	47173	7174	-10.878	0.177	-0.045	-0.121	5.686	50.437	1
47174_7174	47174	7174	-55.013	1.366	-0.632	-0.639	7.567	119.728	1
47174_7175	47174	7175	-10.878	0.176	-0.045	-0.145	5.415	49.381	1
47175_7175	47175	7175	-55.012	1.366	-0.724	-0.825	3.773	111.53	1
47175_7176	47175	7176	-10.878	0.176	-0.063	-0.227	5.035	48.325	1
47176_7176	47176	7176	-55.013	1.366	-0.632	-0.652	-0.571	103.334	1
47176_7177	47176	7177	-10.878	0.176	-0.045	-0.147	4.764	47.269	1
47177_7177	47177	7177	-55.013	1.366	-0.632	-0.652	-4.364	95.137	1
47177_7178	47177	7178	-10.878	0.176	-0.045	-0.147	4.493	46.213	1
47178_7178	47178	7178	-55.014	0.736	-0.5	-0.593	-8.158	86.935	1
47178_7179	47178	7179	-10.878	0.172	-0.036	-0.177	4.207	44.836	1
47179_7179	47179	7179	-55.013	0.736	-0.569	-0.695	-12.159	81.043	1
47179_7180	47179	7180	-10.878	0.172	-0.049	-0.233	3.813	43.458	1
47180_7180	47180	7180	-55.014	0.736	-0.5	-0.601	-16.709	75.152	1
47180_7181	47180	7181	-10.878	0.172	-0.036	-0.178	3.528	42.081	1
47181_7181	47181	7181	-55.019	0.688	-0.345	-0.46	-20.719	47.188	1
47181_7182	47181	7182	-10.878	0.171	-0.131	-0.199	2.51	40.757	1
47182_7182	47182	7182	-55.019	0.688	-0.345	-0.46	-23.395	41.855	1
47182_7183	47182	7183	-10.878	0.171	-0.131	-0.199	1.492	39.434	1
47183_7183	47183	7183	-55.019	0.688	-0.409	-0.575	-26.072	46.284	1
47183_7184	47183	7184	-10.877	0.171	-0.144	-0.27	0.125	39.741	1
47184_7184	47184	7184	-8.467	-3.257	0.035	0.239	-1.758	-211.441	1
47184_7185	47184	7185	-25.386	-39.385	-0.205	0.639	22.157	-387.058	1
47185_7185	47185	7185	-8.509	5.753	-0.087	-0.066	22.582	614.926	1
47185_7186	47185	7186	-24.353	-40.032	-0.223	0.371	19.354	114.703	1
47186_7186	47186	7186	-8.672	5.064	-0.027	0.641	21.421	542.828	1
47186_7187	47186	7187	-23.56	-44.721	0.205	0.876	22.028	707.978	1
47187_7187	47187	7187	-8.796	4.846	-0.033	-0.198	21.076	473.259	1
47187_7188	47187	7188	-22.501	-38.046	0.14	-0.052	23.936	820.067	1
47188_7188	47188	7188	-8.876	4.056	-0.098	0.369	20.672	416.307	1
47188_7189	47188	7189	-21.87	-35.687	-0.045	0.808	23.47	1008.491	1
47189_7189	47189	7189	-8.909	3.983	-0.107	-0.147	19.864	381.309	1
47189_7190	47189	7190	-21.587	-9.419	-0.07	-0.309	22.57	1022.115	1
47190_7190	47190	7190	-8.909	3.655	-0.101	-0.109	18.395	326.54	1
47190_7191	47190	7191	-21.587	-8.89	-0.146	-0.112	20.962	1119.904	1
47191_7191	47191	7191	-8.909	3.655	-0.101	-0.109	17.281	286.33	1
47191_7192	47191	7192	-21.587	17.873	-0.146	-0.112	19.354	923.3	1
47192_7192	47192	7192	-8.909	3.5	-0.083	-0.252	16.168	246.119	1
47192_7193	47192	7193	-21.588	18.794	-0.008	-0.269	19.277	735.727	1
47193_7193	47193	7193	-8.909	3.5	-0.083	-0.251	15.342	211.193	1
47193_7194	47193	7194	-21.588	18.794	-0.008	-0.265	19.2	547.97	1
47194_7194	47194	7194	-8.909	3.445	-0.1	-0.436	14.516	176.232	1
47194_7195	47194	7195	-21.588	13.464	-0.002	-0.573	19.176	413.47	1
47195_7195	47195	7195	-8.909	3.445	-0.091	-0.294	13.52	141.82	1
47195_7196	47195	7196	-21.588	13.464	0.019	-0.159	19.367	278.968	1
47196_7196	47196	7196	-8.909	3.468	-0.101	-0.427	12.614	107.406	1
47196_7197	47196	7197	-21.588	10.362	0.036	-0.391	19.765	164.992	1
47197_7197	47197	7197	-8.909	3.468	-0.101	-0.427	11.508	69.255	1
47197_7198	47197	7198	-21.588	10.362	0.036	-0.391	20.162	51.013	1
47198_7198	47198	7198	-8.908	3.563	-0.152	-0.399	10.403	31.105	1
47198_7199	47198	7199	-21.588	9.063	0.014	-0.36	20.35	-73.511	1
47199_7199	47199	7199	-8.937	3.491	-0.143	-0.516	8.312	-15.874	1
47199_7200	47199	7200	-21.661	8.888	0.035	-0.589	20.632	-142.041	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47200_7200	47200	7200	-8.993	3.516	-0.191	-0.376	7.128	-44.672	1
47200_7201	47200	7201	-21.789	8.337	-0.066	-0.358	19.863	-240.026	1
47201_7201	47201	7201	-9.077	3.292	-0.199	-0.481	4.873	-83.128	1
47201_7202	47201	7202	-22.389	40.664	-0.075	-1.227	30.279	-38.133	1
47202_7202	47202	7202	-9.166	3.196	0.016	-0.473	2.221	-126.794	1
47202_7203	47202	7203	-23.137	37.966	0.25	-0.55	33.119	-467.239	1
47203_7203	47203	7203	-9.245	2.961	0.009	-0.402	2.418	-166.852	1
47203_7204	47203	7204	-24.099	37.363	0.234	-1.023	36.067	-936.537	1
47204_7204	47204	7204	-55.443	-1.383	0.58	0.853	-43.279	51.398	1
47204_7205	47204	7205	-10.458	0.578	-0.249	-0.186	13.133	77.77	1
47205_7205	47205	7205	-55.444	-1.383	0.514	0.626	-37.771	48.367	1
47205_7206	47205	7206	-10.458	0.578	-0.261	-0.202	11.109	70.237	1
47206_7206	47206	7206	-55.443	-1.383	0.585	0.703	-33.789	59.085	1
47206_7207	47206	7207	-10.458	0.578	-0.248	-0.111	9.19	65.754	1
47207_7207	47207	7207	-55.445	-1.806	0.83	0.934	-29.252	69.806	1
47207_7208	47207	7208	-10.458	0.565	-0.228	-0.212	7.363	61.231	1
47208_7208	47208	7208	-55.445	-1.806	0.83	0.934	-22.613	84.252	1
47208_7209	47208	7209	-10.458	0.565	-0.228	-0.212	5.536	56.71	1
47209_7209	47209	7209	-55.446	-1.806	0.761	0.811	-15.973	98.699	1
47209_7210	47209	7210	-10.458	0.565	-0.241	-0.283	3.604	52.188	1
47210_7210	47210	7210	-55.447	-2.331	1.053	1.012	-9.889	113.145	1
47210_7211	47210	7211	-10.459	0.577	-0.208	-0.249	2.359	48.726	1
47211_7211	47211	7211	-55.447	-2.331	1.053	1.012	-3.572	127.134	1
47211_7212	47211	7212	-10.459	0.577	-0.208	-0.249	1.113	45.264	1
47212_7212	47212	7212	-55.449	-2.331	0.96	0.777	2.744	141.124	1
47212_7213	47212	7213	-10.458	0.577	-0.225	-0.324	-0.237	41.801	1
47213_7213	47213	7213	-55.447	-2.331	1.053	1.035	8.506	155.112	1
47213_7214	47213	7214	-10.459	0.577	-0.208	-0.254	-1.482	38.339	1
47214_7214	47214	7214	-55.447	-2.578	1.055	0.898	14.823	169.099	1
47214_7215	47214	7215	-10.459	0.577	-0.203	-0.275	-3.104	33.725	1
47215_7215	47215	7215	-55.447	-2.578	1.055	0.898	23.261	189.721	1
47215_7216	47215	7216	-10.459	0.577	-0.203	-0.275	-4.727	29.11	1
47216_7216	47216	7216	-55.449	-2.578	0.985	0.635	31.699	210.344	1
47216_7217	47216	7217	-10.458	0.577	-0.216	-0.312	-6.454	24.495	1
47217_7217	47217	7217	-55.44	-2.639	0.377	-0.488	39.584	230.949	1
47217_7218	47217	7218	-10.458	0.578	-0.299	-0.304	-8.769	20.012	1
47218_7218	47218	7218	-55.44	-2.639	0.377	-0.488	42.507	251.404	1
47218_7219	47218	7219	-10.458	0.578	-0.299	-0.304	-11.084	15.529	1
47219_7219	47219	7219	-55.434	-2.639	0.897	2.273	45.431	285.051	1
47219_7220	47219	7220	-10.46	0.578	-0.201	-0.206	-12.991	12.527	1
47220_7220	47220	7220	-10.417	-3.564	-0.068	0.797	12.711	-170.615	1
47220_7221	47220	7221	-28.018	-30.446	-0.417	1.934	35.979	-499.17	1
47221_7221	47221	7221	-10.323	-3.828	-0.036	0.094	11.904	-125.884	1
47221_7222	47221	7222	-27.258	-27.181	-0.298	-0.629	31.889	-199.764	1
47222_7222	47222	7222	-10.221	-3.98	0.12	0.507	11.419	-77.913	1
47222_7223	47222	7223	-26.708	-27.126	0.065	0.533	32.474	111.264	1
47223_7223	47223	7223	-10.12	-4.23	0.149	0.065	13.024	-28.376	1
47223_7224	47223	7224	-26.069	-23.518	0.101	-0.126	32.571	275.548	1
47224_7224	47224	7224	-10.056	-4.324	0.044	0.158	14.774	21.307	1
47224_7225	47224	7225	-25.76	-25.498	-0.107	-0.749	30.942	428.956	1
47225_7225	47225	7225	-10.021	-4.404	0.081	0.245	15.14	56.927	1
47225_7226	47225	7226	-25.565	-22.438	-0.005	0.458	29.648	659.117	1
47226_7226	47226	7226	-10.022	-4.467	0.002	-0.204	16.351	122.857	1
47226_7227	47226	7227	-25.568	-28.03	-0.205	-1.787	27.267	984.817	1
47227_7227	47227	7227	-10.022	-4.467	0.037	0.403	16.377	174.747	1
47227_7228	47227	7228	-25.568	-21.166	-0.116	1.634	25.918	1230.53	1
47228_7228	47228	7228	-10.022	-4.667	-0.016	-0.678	16.807	226.593	1
47228_7229	47228	7229	-25.568	-7.085	-0.134	-3.151	24.363	1312.761	1
47229_7229	47229	7229	-10.022	-4.667	0.027	0.53	16.62	280.784	1
47229_7230	47229	7230	-25.568	9.834	-0.024	2.496	24.084	1198.569	1
47230_7230	47230	7230	-10.023	-5.049	0.163	-1.083	16.934	334.938	1
47230_7231	47230	7231	-25.569	1.547	0.023	-2.876	24.36	1179.626	1
47231_7231	47231	7231	-10.023	-5.049	0.203	0.532	18.903	396.103	1
47231_7232	47231	7232	-25.569	38.347	0.127	1.933	25.9	714.58	1
47232_7232	47232	7232	-10.018	-5.68	-0.047	-1.475	21.371	457.291	1
47232_7233	47232	7233	-25.558	32.781	-0.593	-1.528	24.082	614.068	1
47233_7233	47233	7233	-9.985	-5.739	-0.031	-0.848	21.222	474.704	1
47233_7234	47233	7234	-25.75	32.631	-0.553	-0.698	20.783	419.602	1
47234_7234	47234	7234	-9.922	-5.847	-0.017	-0.367	21.038	508.908	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47234_7235	47234	7235	-26.105	32.348	-0.517	-0.339	16.447	148.345	1
47235_7235	47235	7235	-9.859	-5.953	-0.001	0.318	20.914	557.941	1
47235_7236	47235	7236	-26.484	35.354	-0.494	-0.04	13.872	54.728	1
47236_7236	47236	7236	-9.666	-6.582	-0.172	-1.154	20.861	595.274	1
47236_7237	47236	7237	-26.724	32.528	-0.086	-0.11	12.958	-285.966	1
47237_7237	47237	7237	-9.544	-6.758	-0.143	0.466	19.111	665.908	1
47237_7238	47237	7238	-27.361	34.831	-0.006	-1.067	12.977	-550.496	1
47238_7238	47238	7238	-9.236	-9.359	0.243	-1.515	17.621	730.034	1
47238_7239	47238	7239	-27.288	25.449	0.749	1.023	20.192	-789.895	1
47239_7239	47239	7239	-9.223	-9.371	0.27	0.683	20.091	818.137	1
47239_7240	47239	7240	-27.318	25.415	0.817	-1.149	28.556	-1055.558	1
47240_7240	47240	7240	-58.16	4.517	-1.283	-1.667	43.767	353.887	1
47240_7241	47240	7241	-13.994	-1.001	0.033	0.445	7.021	36.803	1
47241_7241	47241	7241	-58.164	4.517	-1.084	-0.494	33.848	314.626	1
47241_7242	47241	7242	-13.994	-1.001	0.081	0.565	7.713	44.322	1
47242_7242	47242	7242	-58.166	4.517	-0.963	0.079	24.575	275.981	1
47242_7243	47242	7243	-13.994	-1.001	0.11	0.657	8.616	52.536	1
47243_7243	47243	7243	-58.171	3.898	-0.746	-0.893	16.671	238.834	1
47243_7244	47243	7244	-13.98	-0.894	-0.125	0.325	7.352	61.568	1
47244_7244	47244	7244	-58.173	3.898	-0.608	-0.42	9.109	199.335	1
47244_7245	47244	7245	-13.981	-0.894	-0.092	0.471	6.483	70.051	1
47245_7245	47245	7245	-58.158	3.958	-0.813	-0.704	3.334	162.295	1
47245_7246	47245	7246	-13.983	-0.882	0.023	0.257	6.717	79.146	1
47246_7246	47246	7246	-58.16	3.958	-0.665	-0.396	-5.074	121.37	1
47246_7247	47246	7247	-13.983	-0.882	0.058	0.458	7.256	87.327	1
47247_7247	47247	7247	-58.15	4.002	-0.856	-0.625	-11.248	84.634	1
47247_7248	47247	7248	-13.985	-0.86	0.135	0.101	8.527	95.383	1
47248_7248	47248	7248	-58.153	4.002	-0.619	-0.433	-19.282	47.056	1
47248_7249	47248	7249	-13.984	-0.86	0.192	0.489	10.495	104.188	1
47249_7249	47249	7249	-58.145	4.189	-0.734	-0.402	-25.619	6.083	1
47249_7250	47249	7250	-13.988	-0.836	0.381	0.062	14.302	112.521	1
47250_7250	47250	7250	-58.147	4.189	-0.578	-0.497	-32.949	-35.758	1
47250_7251	47250	7251	-13.987	-0.836	0.418	0.362	18.332	120.575	1
47251_7251	47251	7251	-58.165	8.118	0.219	0.509	-38.519	-76.064	1
47251_7252	47251	7252	-13.959	-0.867	-0.665	-1.121	13.179	127.256	1
47252_7252	47252	7252	-58.164	8.118	0.466	-0.076	-36.821	-138.438	1
47252_7253	47252	7253	-13.962	-0.867	-0.606	-0.587	7.43	135.627	1
47253_7253	47253	7253	-13.596	-4.321	-0.726	2.406	13.036	-231.564	1
47253_7254	47253	7254	-28.267	-10.436	-0.69	3.2	21.016	-672.414	1
47254_7254	47254	7254	-13.512	-4.328	0.414	0.65	7.92	-200.089	1
47254_7255	47254	7255	-28.194	-12.263	0.605	1.243	28.233	-529.888	1
47255_7255	47255	7255	-13.42	-4.603	0.445	0.035	12.765	-149.794	1
47255_7256	47255	7256	-27.941	-12.34	0.656	-0.573	34.288	-395.215	1
47256_7256	47256	7256	-13.323	-4.624	0.042	0.655	17.2	-103.494	1
47256_7257	47256	7257	-27.87	-16.482	-0.189	1.047	32.405	-240.34	1
47257_7257	47257	7257	-13.241	-4.855	0.07	0.189	17.605	-65.668	1
47257_7258	47257	7258	-27.581	-16.963	-0.13	0.019	31.503	-130.767	1
47258_7258	47258	7258	-13.196	-4.976	0.086	-0.014	18.107	-30.985	1
47258_7259	47258	7259	-27.424	-17.215	-0.097	-0.428	31.01	-42.993	1
47259_7259	47259	7259	-13.146	-5.017	-0.094	0.141	18.542	-5.614	1
47259_7260	47259	7260	-27.267	-18.507	-0.288	-0.176	28.77	100.624	1
47260_7260	47260	7260	-13.11	-5.111	-0.055	0.111	17.811	34.343	1
47260_7261	47260	7261	-27.135	-18.701	-0.205	-0.092	26.986	265.075	1
47261_7261	47261	7261	-13.111	-5.111	-0.04	0.2	17.338	78.702	1
47261_7262	47261	7262	-27.135	-18.701	-0.174	0.209	25.581	415.733	1
47262_7262	47262	7262	-13.111	-5.16	-0.113	-0.227	17.018	119.877	1
47262_7263	47262	7263	-27.137	-21.876	-0.322	-0.966	21.85	669.094	1
47263_7263	47263	7263	-13.111	-5.16	-0.085	0.156	15.706	179.643	1
47263_7264	47263	7264	-27.137	-21.876	-0.264	0.459	18.818	920.092	1
47264_7264	47264	7264	-13.112	-5.371	-0.052	-0.786	14.727	238.872	1
47264_7265	47264	7265	-27.137	-27.241	-0.058	-2.604	18.144	1239.221	1
47265_7265	47265	7265	-13.112	-5.371	-0.005	0.312	14.114	301.779	1
47265_7266	47265	7266	-27.137	-4.689	0.041	1.904	18.611	1292.424	1
47266_7266	47266	7266	-13.111	-5.771	0.053	-1.19	14.062	362.756	1
47266_7267	47266	7267	-27.141	2.953	-0.193	-2.598	16.393	1258.736	1
47267_7267	47267	7267	-13.111	-5.771	0.093	0.106	14.671	428.961	1
47267_7268	47267	7268	-27.141	2.953	-0.111	1.208	15.105	1224.556	1
47268_7268	47268	7268	-13.119	-6.432	-0.226	-2.243	15.746	495.849	1
47268_7269	47268	7269	-27.165	33.93	-1.004	-3.848	11.095	1089.114	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47269_7269	47269	7269	-13.062	-6.549	-0.194	-1.108	14.833	522.181	1
47269_7270	47269	7270	-27.504	41.573	-0.928	-1.247	2.203	697.334	1
47270_7270	47270	7270	-12.958	-6.753	-0.159	0.24	12.957	586.13	1
47270_7271	47270	7271	-28.24	46.518	-0.89	0.985	-7.685	512.112	1
47271_7271	47271	7271	-12.826	-7.557	-0.961	-2.172	11.228	658.665	1
47271_7272	47271	7272	-29.131	42.737	-1.339	-1.117	-24.203	-5.59	1
47272_7272	47272	7272	-12.658	-7.842	-0.906	0.98	-0.407	751.44	1
47272_7273	47272	7273	-30.087	42.073	-1.225	-0.598	-39.506	-530.39	1
47273_7273	47273	7273	-12.128	-11.122	3.01	-3.025	-12.05	849.475	1
47273_7274	47273	7274	-29.507	29.014	5.879	-1.972	-6.966	-691.756	1
47274_7274	47274	7274	-11.969	-11.284	3.04	-0.954	4.869	911.374	1
47274_7275	47274	7275	-29.883	28.614	5.943	-3.498	40.57	-921.533	1
47275_7275	47275	7275	-63.293	7.754	2.596	2.929	39.263	414.603	1
47275_7276	47275	7276	-11.965	-0.803	0.035	1.606	-4.585	29.099	1
47276_7276	47276	7276	-63.42	5.423	-1.859	-1.506	53.538	372.099	1
47276_7277	47276	7277	-11.963	-0.81	0.109	0.291	-4.148	32.374	1
47277_7277	47277	7277	-63.423	5.423	-1.751	-0.713	46.104	343.38	1
47277_7278	47277	7278	-11.963	-0.81	0.13	0.332	-2.833	39.25	1
47278_7278	47278	7278	-63.428	5.423	-1.569	0.116	28.366	288.447	1
47278_7279	47278	7279	-11.963	-0.81	0.164	0.445	-1.32	46.718	1
47279_7279	47279	7279	-63.407	4.9	-0.299	-1.044	13.901	238.479	1
47279_7280	47279	7280	-11.963	-0.957	0.15	0.223	0.433	57.898	1
47280_7280	47280	7280	-63.408	4.9	-0.034	-0.287	10.406	181.277	1
47280_7281	47280	7281	-11.963	-0.957	0.2	0.464	2.87	69.557	1
47281_7281	47281	7281	-63.422	5.137	-0.479	-0.389	9.988	154.47	1
47281_7282	47281	7282	-11.968	-0.785	-0.033	0.05	2.466	85.508	1
47282_7282	47282	7282	-63.423	5.137	-0.3	-0.132	4.05	90.808	1
47282_7283	47282	7283	-11.968	-0.785	0.001	0.292	2.481	94.51	1
47283_7283	47283	7283	-63.45	5.897	-1.38	-0.113	0.612	31.938	1
47283_7284	47283	7284	-11.962	-0.841	0.308	-0.106	5.78	103.526	1
47284_7284	47284	7284	-63.455	5.897	-1.123	-0.24	-14.166	-31.191	1
47284_7285	47284	7285	-11.961	-0.841	0.357	0.315	9.247	111.695	1
47285_7285	47285	7285	-63.464	8.697	0.474	0.293	-25.072	-88.459	1
47285_7286	47285	7286	-11.96	-0.721	0.41	-0.367	12.596	117.581	1
47286_7286	47286	7286	-63.463	8.697	0.583	0.021	-21.197	-159.518	1
47286_7287	47286	7287	-11.959	-0.721	0.43	-0.166	15.758	122.877	1
47287_7287	47287	7287	-63.462	8.697	0.724	-0.444	-16.916	-220.515	1
47287_7288	47287	7288	-11.958	-0.721	0.457	0.128	19.42	129.2	1
47288_7288	47288	7288	-1.545	9.37	0.31	-0.677	11.075	1007.071	1
47288_7289	47288	7289	-8.497	-48.693	0.634	-0.255	14.905	590.764	1
47289_7289	47289	7289	-1.686	9.492	0.314	2.093	15.523	904.094	1
47289_7290	47289	7290	-7.597	-42.792	0.62	0.89	22.577	745.739	1
47290_7290	47290	7290	-1.993	7.279	0.145	-0.718	19.141	799.45	1
47290_7291	47290	7291	-6.994	-46.578	0.158	-0.96	24.079	873.321	1
47291_7291	47291	7291	-2.122	7.243	0.147	-0.406	20.172	745.776	1
47291_7292	47291	7292	-6.12	-41.922	0.185	-0.711	25.95	991.582	1
47292_7292	47292	7292	-2.236	7.208	0.157	2.094	21.401	682.233	1
47292_7293	47292	7293	-5.451	-39.745	0.201	2.566	26.705	1034.396	1
47293_7293	47293	7293	-2.33	4.89	-0.17	-1.198	22.103	651.523	1
47293_7294	47293	7294	-5.093	-47.171	-0.35	-2.334	24.086	1171.358	1
47294_7294	47294	7294	-2.349	4.882	-0.165	-0.138	20.887	616.617	1
47294_7295	47294	7295	-4.926	-42.307	-0.307	-0.429	21.261	1298.362	1
47295_7295	47295	7295	-2.349	4.882	-0.16	1.136	19.465	575.283	1
47295_7296	47295	7296	-4.927	-5.507	-0.295	2.467	19.177	1338.516	1
47296_7296	47296	7296	-2.35	4.186	-0.191	-0.804	18.336	540.919	1
47296_7297	47296	7297	-4.927	-13.23	-0.239	-2.205	16.553	1484.013	1
47297_7297	47297	7297	-2.351	4.186	-0.185	0.499	16.235	494.926	1
47297_7298	47297	7298	-4.927	-13.23	-0.226	1.703	13.979	1634.757	1
47298_7298	47298	7298	-2.351	3.595	-0.185	-0.981	14.126	447.279	1
47298_7299	47298	7299	-4.928	12.958	-0.196	-3.218	11.778	1489.429	1
47299_7299	47299	7299	-2.352	3.595	-0.177	0.504	12.046	406.915	1
47299_7300	47299	7300	-4.929	21.58	-0.178	2.22	9.535	1217.411	1
47300_7300	47300	7300	-2.353	3.178	-0.185	-0.753	9.818	361.641	1
47300_7301	47300	7301	-4.931	16.788	-0.245	-2.024	6.545	1012.968	1
47301_7301	47301	7301	-2.354	3.178	-0.177	0.295	7.566	322.916	1
47301_7302	47301	7302	-4.932	16.788	-0.229	1.264	3.874	817.409	1
47302_7302	47302	7302	-2.354	2.941	-0.16	-0.722	5.502	285.923	1
47302_7303	47302	7303	-4.931	11.743	-0.165	-1.642	1.759	667.389	1
47303_7303	47303	7303	-2.355	2.941	-0.151	0.205	3.46	248.338	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47303_7304	47303	7304	-4.932	11.743	-0.147	0.848	0.134	537.627	1
47304_7304	47304	7304	-2.354	2.77	-0.087	-0.655	1.792	215.874	1
47304_7305	47304	7305	-4.932	8.415	-0.089	-1.299	-0.891	440.507	1
47305_7305	47305	7305	-2.354	2.77	-0.079	-0.002	0.785	183.866	1
47305_7306	47305	7306	-4.932	8.415	-0.071	0.265	-1.765	337.274	1
47306_7306	47306	7306	-2.353	2.611	0.036	-0.579	-0.18	149.894	1
47306_7307	47306	7307	-4.93	6.433	0.081	-1.019	-0.807	260.829	1
47307_7307	47307	7307	-2.353	2.611	0.045	-0.104	0.243	118.861	1
47307_7308	47307	7308	-4.93	6.433	0.1	0.025	0.392	184.02	1
47308_7308	47308	7308	-2.376	2.685	-1.42	-0.437	0.781	87.7	1
47308_7309	47308	7309	-4.959	5.775	-1.772	-0.692	-20.876	114.761	1
47309_7309	47309	7309	-2.382	2.685	-1.41	-0.202	-16.259	55.481	1
47309_7310	47309	7310	-4.967	5.775	-1.751	-0.208	-41.572	46.515	1
47310_7310	47310	7310	-2.331	2.544	2.461	-0.049	-32.919	23.754	1
47310_7311	47310	7311	-4.903	5.409	3.108	0.129	0	-25.828	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
7000_7000	7000	7000	1.052	50.245	-0.059	-0.042	0	3.648	1
7000_7001	7000	7001	-2.109	3.221	-0.15	-0.091	-1.581	-18.496	1
7001_7001	7001	7001	-35.571	42.834	-0.079	-0.049	-0.831	-275.015	1
7001_7002	7001	7002	20.992	5.117	0.007	0.01	0.148	159.948	1
7002_7002	7002	7002	-54.874	38.921	0.065	0.007	-2.015	-422.325	1
7002_7003	7002	7003	33.332	7.214	-0.012	-0.012	0.214	254.256	1
7003_7003	7003	7003	-74.949	31.597	0.073	-0.138	-1.481	-575.085	1
7003_7004	7003	7004	45.883	12.428	-0.018	0.068	0.131	350.026	1
7004_7004	7004	7004	-85.076	33.19	-0.001	0.105	-0.763	-652.171	1
7004_7005	7004	7005	66.347	14.97	0.002	-0.082	0.235	506.757	1
7005_7005	7005	7005	-94.672	27.003	-0.001	-0.224	-0.944	-725.055	1
7005_7006	7005	7006	79.306	22.417	0.003	0.18	0.383	606.457	1
7006_7006	7006	7006	-97.379	30.582	-0.015	0.103	-1.119	-745.604	1
7006_7007	7006	7007	90.325	20.789	0.011	-0.097	0.638	690.963	1
7007_7007	7007	7007	-102.537	24.739	-0.017	-0.247	-1.485	-784.665	1
7007_7008	7007	7008	93.688	27.079	0.012	0.229	0.944	717.073	1
7008_7008	7008	7008	-101.778	28.554	-0.034	0.115	-1.886	-778.837	1
7008_7009	7008	7009	98.987	23.559	0.03	-0.102	1.478	757.581	1
7009_7009	7009	7009	-103.947	22.768	-0.035	-0.237	-2.479	-795.187	1
7009_7010	7009	7010	97.871	29.532	0.032	0.243	2.082	749.283	1
7010_7010	7010	7010	-100.473	26.249	-0.027	0.116	-3.055	-768.761	1
7010_7011	7010	7011	99.474	25.79	0.026	-0.099	2.627	761.476	1
7011_7011	7011	7011	-99.785	20.466	-0.027	-0.202	-3.494	-763.434	1
7011_7012	7011	7012	94.907	31.766	0.028	0.222	3.185	726.829	1
7012_7012	7012	7012	-93.302	23.209	-0.049	0.138	-3.893	-714.131	1
7012_7013	7012	7013	92.767	28.425	0.058	-0.12	4.086	710.535	1
7013_7013	7013	7013	-89.877	17.534	-0.046	-0.169	-4.43	-687.876	1
7013_7014	7013	7014	84.35	34.514	0.059	0.197	4.983	646.656	1
7014_7014	7014	7014	-74.487	17.326	-0.051	0.047	-4.711	-570.643	1
7014_7015	7014	7015	67.513	32.239	0.036	-0.041	5.667	518.957	1
7015_7015	7015	7015	-85.874	13.306	-0.033	-0.026	-3.623	-615.556	1
7015_7016	7015	7016	75.1	40.574	0.031	0.03	4.235	558.74	1
7016_7016	7016	7016	-67.69	13.59	0.009	0.081	-3.607	-497.283	1
7016_7017	7016	7017	49.568	37.832	0	-0.066	4.249	418.758	1
7017_7017	7017	7017	-47.592	7.807	0.005	0.031	-3.131	-393.536	1
7017_7018	7017	7018	21.177	44.48	-0.007	-0.037	4.072	244.537	1
7018_7018	7018	7018	-26.7	5.43	0.009	0.087	-2.757	-269.785	1
7018_7019	7018	7019	1.784	47.472	0.022	-0.075	4.101	77.081	1
7019_7019	7019	7019	-9.751	1.612	0.016	0.053	-2.122	-126.783	1
7019_7020	7019	7020	-15.958	54.776	0.017	-0.102	4.061	-165.61	1
7020_7020	7020	7020	0.665	47.743	-0.04	0.031	-1.19	107.806	1
7020_7021	7020	7021	64.067	7.429	-0.023	-0.063	4.23	215.37	1
7021_7021	7021	7021	-18.887	42.742	-0.038	0.017	-0.827	-51.857	1
7021_7022	7021	7022	67.59	10.509	-0.011	-0.029	2.876	266.249	1
7022_7022	7022	7022	-29.759	37.853	-0.043	-0.005	-0.764	-135.217	1
7022_7023	7022	7023	68.469	13.744	-0.007	0.012	2.559	292.889	1
7023_7023	7023	7023	-37.894	37.07	0.005	0.028	-0.766	-196.586	1
7023_7024	7023	7024	69.353	13.964	-0.041	-0.052	2.015	321.538	1
7024_7024	7024	7024	-46.867	31.993	-0.002	-0.013	-0.451	-260.108	1
7024_7025	7024	7025	68.626	17.588	-0.038	-0.01	1.518	338.921	1
7025_7025	7025	7025	-52.524	27.24	-0.009	-0.015	-0.242	-297.953	1
7025_7026	7025	7026	65.383	21.732	-0.032	-0.007	1.111	338.147	1
7026_7026	7026	7026	-59.398	30.427	-0.016	0.023	-0.194	-341.788	1
7026_7027	7026	7027	68.264	20.161	-0.035	-0.045	0.782	374.424	1
7027_7027	7027	7027	-63.169	26.745	-0.024	0.028	-0.209	-363.065	1
7027_7028	7027	7028	66.916	23.311	-0.029	-0.055	0.554	375.774	1
7028_7028	7028	7028	-65.1	23.257	-0.029	-0.05	-0.315	-370.15	1
7028_7029	7028	7029	64.428	26.799	-0.024	0.023	0.389	366.858	1
7029_7029	7029	7029	-65.895	20.116	-0.035	-0.047	-0.486	-367.421	1
7029_7030	7029	7030	60.188	30.489	-0.016	0.026	0.314	344.106	1
7030_7030	7030	7030	-62.182	21.691	-0.031	-0.003	-0.741	-329.25	1
7030_7031	7030	7031	52.877	27.248	-0.012	-0.019	0.285	298.853	1
7031_7031	7031	7031	-64.452	17.545	-0.037	-0.011	-1.07	-327.998	1
7031_7032	7031	7032	46.624	32.008	-0.004	-0.013	0.395	258.888	1
7032_7032	7032	7032	-64.204	13.927	-0.04	-0.056	-1.492	-308.885	1
7032_7033	7032	7033	37.096	37.098	0.002	0.032	0.61	193.555	1
7033_7033	7033	7033	-62.324	13.723	-0.012	-0.036	-1.973	-278.441	1
7033_7034	7033	7034	28.367	37.808	-0.041	0.019	0.547	130.364	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7034_7034	7034	7034	-60.507	10.478	-0.026	0.003	-2.288	-250.017	1
7034_7035	7034	7035	16.861	42.713	-0.031	-0.005	0.597	45.287	1
7035_7035	7035	7035	-55.619	7.395	-0.042	-0.072	-3.71	-197.932	1
7035_7036	7035	7036	-3.334	47.748	-0.035	0.025	0.91	-116.51	1
7036_7036	7036	7036	31.205	52.633	0.013	-0.126	-2.9	224.15	1
7036_7037	7036	7037	12.87	3.715	-0.008	-0.055	0.319	124.985	1
7037_7037	7037	7037	17.674	45.293	0.015	-0.074	-2.959	10.577	1
7037_7038	7037	7038	17.235	6.056	0.014	0.056	2.043	231.545	1
7038_7038	7038	7038	3.257	42.262	-0.014	-0.045	-2.968	-126.773	1
7038_7039	7038	7039	33.271	8.473	0.012	0.026	2.401	339.224	1
7039_7039	7039	7039	-19.636	35.761	-0.013	-0.078	-3.211	-274.108	1
7039_7040	7039	7040	47.801	14.231	0.021	0.096	2.913	422.095	1
7040_7040	7040	7040	-40.733	38.468	-0.001	0.033	-3.341	-394.274	1
7040_7041	7040	7041	61.003	13.936	-0.017	-0.045	2.976	517.793	1
7041_7041	7041	7041	-43.409	29.649	-0.003	-0.039	-1.56	-326.414	1
7041_7042	7041	7042	60.169	17.689	-0.004	0.04	1.401	430.916	1
7042_7042	7042	7042	-60.855	32.223	0.007	0.031	-1.565	-428.272	1
7042_7043	7042	7043	72.369	17.004	-0.013	-0.035	1.367	508.365	1
7043_7043	7043	7043	-70.534	25.797	0.003	-0.055	-1.459	-483.761	1
7043_7044	7043	7044	72.622	22.872	-0.011	0.054	1.305	509.558	1
7044_7044	7044	7044	-73.071	29.027	0.001	0.013	-1.396	-497.119	1
7044_7045	7044	7045	77.431	19.727	-0.005	-0.022	1.311	536.017	1
7045_7045	7045	7045	-78.765	22.704	0	-0.031	-1.358	-530.767	1
7045_7046	7045	7046	75.789	25.862	-0.003	0.022	1.316	522.542	1
7046_7046	7046	7046	-77.536	26.12	-0.005	0.045	-1.334	-523.424	1
7046_7047	7046	7047	78.019	22.361	0	-0.047	1.356	532.333	1
7047_7047	7047	7047	-79.992	19.946	-0.007	-0.048	-1.353	-538.734	1
7047_7048	7047	7048	73.466	28.696	0.003	0.046	1.422	501.648	1
7048_7048	7048	7048	-75.749	22.998	-0.011	0.025	-1.379	-513.192	1
7048_7049	7048	7049	72.111	25.381	0.006	-0.033	1.522	491.398	1
7049_7049	7049	7049	-75.888	17.086	-0.012	-0.02	-1.444	-512.617	1
7049_7050	7049	7050	63.49	31.857	0.008	0.012	1.647	438.358	1
7050_7050	7050	7050	-63.947	17.71	-0.01	0.034	-1.461	-435.741	1
7050_7051	7050	7051	47.153	29.213	-0.001	-0.034	1.672	339.553	1
7051_7051	7051	7051	-68.865	13.777	-0.014	-0.04	-1.802	-502.362	1
7051_7052	7051	7052	47.859	38.097	0.003	0.03	2.025	389.025	1
7052_7052	7052	7052	-54.932	14.221	0.013	0.084	-1.789	-411.814	1
7052_7053	7052	7053	26.09	35.241	-0.009	-0.066	1.943	273.663	1
7053_7053	7053	7053	-36.109	8.486	0.01	0.023	-2.004	-355.177	1
7053_7054	7053	7054	0.844	42.074	-0.015	-0.047	2.418	140.57	1
7054_7054	7054	7054	-20.249	5.942	0.004	0.082	-1.71	-247.852	1
7054_7055	7054	7055	-13.198	45.203	0.023	-0.082	2.559	0.364	1
7055_7055	7055	7055	-16.846	2.728	0.006	-0.1	0.44	-106.109	1
7055_7056	7055	7056	-26.701	52.75	0.021	-0.137	2.645	-217.263	1
7056_7056	7056	7056	-4.413	47.276	-0.031	0.071	-0.66	76.475	1
7056_7057	7056	7057	58.67	7.407	-0.02	-0.116	2.812	213.6	1
7057_7057	7057	7057	-23.839	42.348	-0.034	0.031	-0.55	-86.568	1
7057_7058	7057	7058	63.438	10.693	-0.013	-0.06	2.136	276.936	1
7058_7058	7058	7058	-33.925	37.418	-0.038	-0.02	-0.545	-173.548	1
7058_7059	7058	7059	65.257	14.076	-0.008	0.029	1.872	310.847	1
7059_7059	7059	7059	-41.316	36.951	0.004	0.11	-0.605	-236.412	1
7059_7060	7059	7060	66.88	14.304	-0.031	-0.151	1.479	345.735	1
7060_7060	7060	7060	-49.482	31.895	-0.001	0.001	-0.378	-301.574	1
7060_7061	7060	7061	66.819	17.998	-0.029	-0.051	1.112	367.317	1
7061_7061	7061	7061	-54.615	27.173	-0.006	-0.092	-0.229	-340.039	1
7061_7062	7061	7062	64.328	22.216	-0.027	0.061	0.792	369.263	1
7062_7062	7062	7062	-60.881	30.611	-0.014	0.091	-0.189	-384.893	1
7062_7063	7062	7063	67.553	20.494	-0.026	-0.146	0.563	410.563	1
7063_7063	7063	7063	-64.4	26.936	-0.017	-0.069	-0.221	-406.896	1
7063_7064	7063	7064	66.589	23.654	-0.023	-0.001	0.393	413.511	1
7064_7064	7064	7064	-66.264	23.458	-0.023	-0.063	-0.308	-414.252	1
7064_7065	7064	7065	64.57	27.148	-0.017	-0.002	0.286	405.807	1
7065_7065	7065	7065	-67.027	20.313	-0.028	-0.076	-0.457	-410.63	1
7065_7066	7065	7066	60.836	30.825	-0.012	0.018	0.243	382.952	1
7066_7066	7066	7066	-63.621	22.041	-0.026	-0.049	-0.677	-369.133	1
7066_7067	7066	7067	54.37	27.329	-0.003	-0.021	0.277	337.374	1
7067_7067	7067	7067	-65.916	17.841	-0.031	-0.06	-0.968	-366.958	1
7067_7068	7067	7068	49.002	32.064	0.003	-0.009	0.424	298.159	1
7068_7068	7068	7068	-65.802	14.166	-0.035	-0.076	-1.319	-345.27	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7068_7069	7068	7069	40.531	37.129	0.008	0.01	0.657	231.727	1
7069_7069	7069	7069	-64.113	13.99	-0.01	0.006	-1.722	-311.207	1
7069_7070	7069	7070	32.972	37.553	-0.037	-0.019	0.575	168.727	1
7070_7070	7070	7070	-62.312	10.643	-0.015	-0.087	-1.977	-278.582	1
7070_7071	7070	7071	22.704	42.487	-0.032	0.039	0.565	81.434	1
7071_7071	7071	7071	-57.572	7.424	-0.028	-0.095	-2.769	-218.463	1
7071_7072	7071	7072	3.241	47.447	-0.029	0.046	0.727	-82.556	1
7072_7072	7072	7072	26.554	52.349	0.018	-0.153	-2.445	195.055	1
7072_7073	7072	7073	9.224	3.31	-0.004	-0.054	0.628	98.488	1
7073_7073	7073	7073	12.044	44.828	0.02	-0.091	-2.369	-29.366	1
7073_7074	7073	7074	18.854	6.024	0.005	0.066	1.654	248.771	1
7074_7074	7074	7074	-3.416	41.787	-0.018	-0.059	-2.238	-175.478	1
7074_7075	7074	7075	34.809	8.563	0.01	0.035	1.928	359.991	1
7075_7075	7075	7075	-30.667	35.027	-0.011	-0.068	-1.833	-311.686	1
7075_7076	7075	7076	54.101	14.375	0.014	0.075	1.724	419.681	1
7076_7076	7076	7076	-53.776	38.028	0.005	0.004	-1.943	-431.481	1
7076_7077	7076	7077	68.739	13.836	-0.014	-0.013	1.732	515.401	1
7077_7077	7077	7077	-50.163	30.243	-0.001	-0.08	-2.674	-425.298	1
7077_7078	7077	7078	58.458	18.013	-0.018	0.063	2.334	494.392	1
7078_7078	7078	7078	-63.823	32.896	0.016	0.02	-2.661	-519.667	1
7078_7079	7078	7079	69.408	17.263	-0.016	-0.038	2.327	576.213	1
7079_7079	7079	7079	-72.196	26.865	0.013	-0.086	-2.451	-576.709	1
7079_7080	7079	7080	71.138	22.881	-0.015	0.068	2.243	587.5	1
7080_7080	7080	7080	-74.743	30.325	0	0.04	-2.274	-592.831	1
7080_7081	7080	7081	76.707	19.762	-0.005	-0.055	2.24	623.86	1
7081_7081	7081	7081	-79.857	24.368	-0.002	-0.085	-2.241	-629.038	1
7081_7082	7081	7082	77.091	25.557	-0.002	0.071	2.252	621.72	1
7082_7082	7082	7082	-77.769	27.68	-0.002	0.05	-2.226	-614.631	1
7082_7083	7082	7083	79.204	21.829	-0.004	-0.064	2.233	632.242	1
7083_7083	7083	7083	-80.067	21.4	-0.004	-0.064	-2.205	-633.5	1
7083_7084	7083	7084	76.774	28.146	-0.002	0.05	2.238	610.425	1
7084_7084	7084	7084	-77.908	25.133	-0.008	0.061	-2.213	-620.796	1
7084_7085	7084	7085	78.815	24.75	0.003	-0.077	2.303	622.51	1
7085_7085	7085	7085	-77.558	19.381	-0.009	-0.053	-2.252	-621.384	1
7085_7086	7085	7086	73.581	30.741	0.005	0.037	2.389	583.58	1
7086_7086	7086	7086	-72.121	22.572	-0.018	0.129	-2.293	-584.402	1
7086_7087	7086	7087	71.004	27.167	0.015	-0.132	2.583	565.394	1
7087_7087	7087	7087	-70.448	16.977	-0.019	-0.088	-2.39	-572.556	1
7087_7088	7087	7088	62.646	33.231	0.018	0.083	2.812	506.615	1
7088_7088	7088	7088	-60.457	18.09	-0.017	0.094	-2.428	-497.27	1
7088_7089	7088	7089	50.498	30.46	0.001	-0.098	2.833	421.354	1
7089_7089	7089	7089	-63.373	14.004	-0.018	-0.073	-2.288	-547.705	1
7089_7090	7089	7090	48.421	38.174	0.007	0.064	2.637	452.1	1
7090_7090	7090	7090	-49.988	14.408	0.012	0.109	-2.255	-445.434	1
7090_7091	7090	7091	27.651	35.12	-0.009	-0.098	2.539	326.799	1
7091_7091	7091	7091	-35.097	8.373	0.007	0.041	-2.406	-360.499	1
7091_7092	7091	7092	4.27	41.846	-0.014	-0.068	2.961	172.612	1
7092_7092	7092	7092	-19.182	5.894	0.005	0.082	-2.112	-246.8	1
7092_7093	7092	7093	-10.598	44.788	0.026	-0.088	3.123	26.643	1
7093_7093	7093	7093	-10.304	3.304	0	-0.076	-0.09	-108.239	1
7093_7094	7093	7094	-24.856	52.462	0.024	-0.135	3.223	-201.057	1
7094_7094	7094	7094	-4.567	47.079	-0.036	0.062	-0.784	80.056	1
7094_7095	7094	7095	57.788	7.378	-0.028	-0.105	3.245	216.332	1
7095_7095	7095	7095	-23.041	42.178	-0.05	0.035	-0.84	-87.605	1
7095_7096	7095	7096	60.62	10.697	-0.022	-0.071	3.132	284.633	1
7096_7096	7096	7096	-32.269	37.135	-0.058	-0.024	-0.85	-177.174	1
7096_7097	7096	7097	62.059	14.132	-0.015	0.03	2.728	318.483	1
7097_7097	7097	7097	-38.94	36.904	0.012	0.114	-0.962	-241.219	1
7097_7098	7097	7098	63.387	14.25	-0.051	-0.159	2.116	354.311	1
7098_7098	7098	7098	-46.464	31.765	0.005	0.001	-0.585	-308.712	1
7098_7099	7098	7099	63.133	17.997	-0.05	-0.055	1.536	376.286	1
7099_7099	7099	7099	-51.119	26.985	-0.002	-0.1	-0.326	-348.042	1
7099_7100	7099	7100	60.583	22.296	-0.046	0.067	1.02	377.643	1
7100_7100	7100	7100	-56.862	30.77	-0.018	-0.019	-0.231	-394.058	1
7100_7101	7100	7101	63.543	20.345	-0.044	-0.073	0.655	421.112	1
7101_7101	7101	7101	-60.174	27.035	-0.024	-0.205	-0.286	-417.42	1
7101_7102	7101	7102	62.596	23.531	-0.04	0.111	0.382	424.431	1
7102_7102	7102	7102	-61.93	23.497	-0.039	0.107	-0.425	-425.363	1
7102_7103	7102	7103	60.657	27.07	-0.024	-0.2	0.252	416.542	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7103_7103	7103	7103	-62.704	20.312	-0.045	-0.068	-0.705	-422.136	1
7103_7104	7103	7104	57.162	30.807	-0.019	-0.025	0.205	393.264	1
7104_7104	7104	7104	-59.526	22.255	-0.048	0.028	-1.088	-378.852	1
7104_7105	7104	7105	51.25	26.991	-0.001	-0.081	0.315	347.447	1
7105_7105	7105	7105	-61.852	17.952	-0.052	-0.097	-1.633	-377.54	1
7105_7106	7105	7106	46.365	31.778	0.006	0.029	0.596	308.356	1
7106_7106	7106	7106	-61.884	14.202	-0.058	-0.097	-2.244	-355.549	1
7106_7107	7106	7107	38.601	36.923	0.016	0.038	1.02	241.031	1
7107_7107	7107	7107	-60.348	14.096	-0.01	-0.039	-2.937	-319.71	1
7107_7108	7107	7108	31.714	37.108	-0.06	0.009	0.912	177.346	1
7108_7108	7108	7108	-58.698	10.646	-0.023	-0.044	-3.323	-285.667	1
7108_7109	7108	7109	22.243	42.16	-0.05	0.01	0.928	87.78	1
7109_7109	7109	7109	-55.556	7.324	-0.03	-0.094	-3.559	-217.817	1
7109_7110	7109	7110	3.69	47.099	-0.037	0.044	0.913	-79.682	1
7110_7110	7110	7110	25.599	51.622	0.027	-0.147	-3.647	186.453	1
7110_7111	7110	7111	9.05	2.095	0.002	-0.056	-0.037	79.855	1
7111_7111	7111	7111	11.87	43.822	0.029	-0.09	-3.56	-373.702	1
7111_7112	7111	7112	18.407	6.232	0.003	0.085	2.311	252.103	1
7112_7112	7112	7112	-2.119	40.859	-0.002	-0.087	-3.402	-170.443	1
7112_7113	7112	7113	33.722	8.744	0.001	0.052	2.578	362.445	1
7113_7113	7113	7113	-24.151	34.049	0.001	-0.082	-2.786	-313.92	1
7113_7114	7113	7114	47.677	14.868	0.006	0.09	2.344	441.582	1
7114_7114	7114	7114	-43.419	37.171	0.012	-0.029	-2.765	-429.685	1
7114_7115	7114	7115	60.024	14.406	-0.021	0.003	2.354	538.001	1
7115_7115	7115	7115	-48.098	28.852	0.008	-0.034	-2.197	-364.716	1
7115_7116	7115	7116	60.511	18.433	-0.016	0.021	1.826	447.21	1
7116_7116	7116	7116	-60.931	31.816	0.019	0.019	-2.063	-443.865	1
7116_7117	7116	7117	70.573	17.237	-0.019	-0.03	1.745	514.688	1
7117_7117	7117	7117	-68.925	25.596	0.017	-0.049	-1.818	-492.757	1
7117_7118	7117	7118	70.887	22.966	-0.019	0.04	1.596	516.559	1
7118_7118	7118	7118	-70.583	29.273	0.009	-0.008	-1.598	-502.181	1
7118_7119	7118	7119	75.381	19.508	-0.011	-0.01	1.513	543.147	1
7119_7119	7119	7119	-75.313	23.103	0.008	-0.011	-1.464	-532.549	1
7119_7120	7119	7120	74.311	25.418	-0.011	-0.006	1.415	533.311	1
7120_7120	7120	7120	-72.161	26.575	0.006	0.074	-1.337	-513.954	1
7120_7121	7120	7121	75.412	21.523	-0.01	-0.075	1.305	537.272	1
7121_7121	7121	7121	-73.804	20.088	0.003	-0.061	-1.23	-527.44	1
7121_7122	7121	7122	71.499	28.017	-0.008	0.061	1.219	509.545	1
7122_7122	7122	7122	-70.466	24.008	0.002	0.044	-1.162	-509.668	1
7122_7123	7122	7123	72.55	24.511	-0.006	-0.055	1.156	514.811	1
7123_7123	7123	7123	-69.384	18.076	0.001	-0.027	-1.109	-506.502	1
7123_7124	7123	7124	65.766	30.678	-0.004	0.016	1.113	471.357	1
7124_7124	7124	7124	-62.847	21.452	-0.003	0.078	-1.074	-467.631	1
7124_7125	7124	7125	62.009	27.022	0	-0.082	1.127	448.609	1
7125_7125	7125	7125	-60.81	15.754	-0.006	-0.048	-1.073	-455.205	1
7125_7126	7125	7126	51.944	33.248	0.003	0.043	1.18	386.69	1
7126_7126	7126	7126	-50.134	17.072	-0.011	0.04	-1.069	-384.249	1
7126_7127	7126	7127	37.813	30.334	-0.004	-0.05	1.141	299.664	1
7127_7127	7127	7127	-56.396	12.918	-0.011	-0.017	-1.057	-413.888	1
7127_7128	7127	7128	37.501	38.11	0.002	0.009	1.085	308.088	1
7128_7128	7128	7128	-42.639	13.802	0	0.053	-1.09	-326.236	1
7128_7129	7128	7129	15.336	34.772	0.002	-0.044	1.15	189.654	1
7129_7129	7129	7129	-25.912	7.917	-0.008	0.005	-1.25	-273.362	1
7129_7130	7129	7130	-8.84	41.661	0.001	-0.02	1.453	48.501	1
7130_7130	7130	7130	-11.925	5.062	0.065	0.048	-1.351	-170.38	1
7130_7131	7130	7131	-22.106	44.891	-0.047	-0.054	0.822	-96.196	1
7131_7131	7131	7131	-14.67	3.52	-0.017	-0.029	-0.804	-151.425	1
7131_7132	7131	7132	-33.327	52.535	-0.047	-0.075	0.218	-289.548	1
7132_7132	7132	7132	5.408	47.473	-0.074	-0.06	0.722	151.617	1
7132_7133	7132	7133	53.115	5.416	0.033	-0.001	0.927	148.957	1
7133_7133	7133	7133	-18.434	41.995	-0.073	-0.015	0.108	-43.738	1
7133_7134	7133	7134	59.697	9.025	0.041	-0.022	1.021	220.98	1
7134_7134	7134	7134	-29.783	36.699	-0.08	0.027	-0.34	-131.993	1
7134_7135	7134	7135	62.312	12.587	0.055	-0.102	1.368	257.54	1
7135_7135	7135	7135	-37.935	36.16	0.021	0.035	-0.827	-195.464	1
7135_7136	7135	7136	64.497	13.193	-0.038	-0.061	1.027	293.405	1
7136_7136	7136	7136	-46.671	30.821	0.018	-0.021	-0.544	-259.988	1
7136_7137	7136	7137	64.857	17.093	-0.038	-0.007	0.685	316.501	1
7137_7137	7137	7137	-51.826	25.874	0.012	-0.023	-0.32	-297.063	1

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7137_7138	7137	7138	62.243	21.536	-0.035	-0.003	0.381	318.337	1
7138_7138	7138	7138	-57.891	30.095	-0.01	0.056	-0.184	-337.916	1
7138_7139	7138	7139	65.858	19.228	-0.016	-0.078	0.276	359.26	1
7139_7139	7139	7139	-61.608	26.21	-0.012	-0.033	-0.23	-361.064	1
7139_7140	7139	7140	65.026	22.518	-0.015	0.001	0.191	363.811	1
7140_7140	7140	7140	-63.36	22.538	-0.016	-0.034	-0.308	-368.979	1
7140_7141	7140	7141	62.891	26.183	-0.011	0.005	0.15	357.289	1
7141_7141	7141	7141	-63.814	19.241	-0.019	-0.036	-0.426	-365.74	1
7141_7142	7141	7142	58.787	30.063	-0.007	0.009	0.153	335.58	1
7142_7142	7142	7142	-59.702	21.383	-0.02	0.024	-0.585	-326.514	1
7142_7143	7142	7143	52.149	26.065	0	-0.042	0.22	294.975	1
7143_7143	7143	7143	-61.669	16.937	-0.021	-0.04	-0.8	-325.205	1
7143_7144	7143	7144	46.276	31.019	0.003	0.013	0.353	258.554	1
7144_7144	7144	7144	-60.737	13.054	-0.023	-0.04	-1.033	-303.094	1
7144_7145	7144	7145	36.791	36.36	0.006	0.017	0.541	194.456	1
7145_7145	7145	7145	-57.907	12.926	0.009	-0.041	-1.29	-267.448	1
7145_7146	7145	7146	28.109	36.754	-0.04	0.017	0.389	132.787	1
7146_7146	7146	7146	-55.016	9.378	-0.001	0.003	-1.334	-233.387	1
7146_7147	7146	7147	16.319	41.968	-0.034	-0.011	0.285	46.685	1
7147_7147	7147	7147	-48.582	6.004	-0.006	-0.051	-1.564	-173.426	1
7147_7148	7147	7148	-4.739	47.318	-0.032	0.007	0.182	-117.932	1
7148_7148	7148	7148	37.918	50.692	0.015	-0.09	-1.619	243.71	1
7148_7149	7148	7149	19.443	2.308	-0.002	-0.039	0.125	126.748	1
7149_7149	7149	7149	26.003	43.042	0.017	-0.042	-1.517	40.216	1
7149_7150	7149	7150	11.344	6.398	0.007	0.034	1.132	203.89	1
7150_7150	7150	7150	14.015	40.025	-0.009	-0.049	-1.396	-84.442	1
7150_7151	7150	7151	24.704	8.972	0.006	0.024	1.25	300.646	1
7151_7151	7151	7151	-9.176	33.32	-0.006	-0.025	-1.243	-202.846	1
7151_7152	7151	7152	40.834	14.744	0.01	0.025	1.222	344.349	1
7152_7152	7152	7152	-29.301	36.276	0.007	-0.044	-1.274	-306.609	1
7152_7153	7152	7153	52.727	14.226	-0.016	0.029	1.166	423.123	1
7153_7153	7153	7153	-30.596	28.145	0.005	-0.001	-0.966	-271.482	1
7153_7154	7153	7154	48.642	18.223	-0.013	-0.015	0.808	364.813	1
7154_7154	7154	7154	-43.695	30.633	0.004	-0.005	-0.872	-344.78	1
7154_7155	7154	7155	57.217	17.238	-0.007	-0.005	0.791	420.073	1
7155_7155	7155	7155	-51.23	24.362	0.002	-0.008	-0.81	-386.966	1
7155_7156	7155	7156	55.734	22.981	-0.007	-0.003	0.75	414.332	1
7156_7156	7156	7156	-54.43	27.799	-0.001	-0.023	-0.765	-405.248	1
7156_7157	7156	7157	60.286	20.248	-0.003	0.008	0.746	440.577	1
7157_7157	7157	7157	-58.428	22.195	0	0.009	-0.755	-428.564	1
7157_7158	7157	7158	57.631	25.712	-0.004	-0.024	0.726	425.076	1
7158_7158	7158	7158	-57.193	25.679	-0.003	-0.021	-0.74	-422.431	1
7158_7159	7158	7159	58.54	22.311	0	0.006	0.741	429.339	1
7159_7159	7159	7159	-59.695	20.209	-0.002	0.011	-0.755	-437.105	1
7159_7160	7159	7160	54.356	27.89	-0.001	-0.026	0.749	404.897	1
7160_7160	7160	7160	-54.911	22.972	-0.009	-0.019	-0.757	-409.646	1
7160_7161	7160	7161	50.819	24.577	0.004	0.003	0.818	384.623	1
7161_7161	7161	7161	-56.172	17.228	-0.008	0.009	-0.83	-414.288	1
7161_7162	7161	7162	43.059	30.789	0.004	-0.023	0.897	341.069	1
7162_7162	7162	7162	-47.275	18.076	-0.012	0.011	-0.861	-357.426	1
7162_7163	7162	7163	29.445	28.507	0.003	-0.016	0.971	264.803	1
7163_7163	7163	7163	-52.347	14.068	-0.015	-0.014	-1.048	-407.274	1
7163_7164	7163	7164	29.014	36.519	0.006	0.005	1.131	293.568	1
7164_7164	7164	7164	-39.906	14.41	0.011	0.02	-1.106	-327.655	1
7164_7165	7164	7165	8.098	33.862	-0.007	-0.022	1.083	186.979	1
7165_7165	7165	7165	-25.026	8.692	0.007	0.029	-1.016	-272.848	1
7165_7166	7165	7166	-15.031	40.418	-0.01	-0.048	1.076	61.598	1
7166_7166	7166	7166	-10.846	6.14	0.007	0.028	-0.894	-178.87	1
7166_7167	7166	7167	-28.031	43.701	0.013	-0.033	1.183	-65.632	1
7167_7167	7167	7167	-22.44	2.705	0.001	-0.031	-0.168	-146.943	1
7167_7168	7167	7168	-40.607	51.21	0.012	-0.071	1.26	-267.566	1
7168_7168	7168	7168	5.877	47.779	-0.025	0.016	-0.154	120.492	1
7168_7169	7168	7169	51.2	6.107	-0.007	-0.047	1.246	164.877	1
7169_7169	7169	7169	-16.727	42.601	-0.022	0.002	-0.18	-41.166	1
7169_7170	7169	7170	57.884	9.348	-0.002	-0.007	0.856	223.995	1
7170_7170	7170	7170	-29.6	37.531	-0.024	0.003	-0.241	-127.087	1
7170_7171	7170	7171	61.218	12.747	0.003	-0.007	0.805	257.921	1
7171_7171	7171	7171	-39.278	36.84	0.002	-0.016	-0.329	-190.242	1
7171_7172	7171	7172	64.451	13.016	-0.016	-0.009	0.634	293.07	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7172_7172	7172	7172	-49.591	31.604	-0.002	0.024	-0.228	-254.631	1
7172_7173	7172	7173	65.782	16.775	-0.012	-0.053	0.5	316.042	1
7173_7173	7173	7173	-56.126	26.71	-0.004	-0.029	-0.175	-292.769	1
7173_7174	7173	7174	64.204	21.078	-0.011	0.004	0.383	320.149	1
7174_7174	7174	7174	-63.49	30.17	-0.006	-0.029	-0.167	-334.876	1
7174_7175	7174	7175	68.754	19.396	-0.014	0	0.281	359.263	1
7175_7175	7175	7175	-67.721	26.371	-0.01	0.044	-0.179	-356.044	1
7175_7176	7175	7176	68.392	22.632	-0.011	-0.071	0.215	363.348	1
7176_7176	7176	7176	-69.898	22.773	-0.011	-0.036	-0.232	-362.849	1
7176_7177	7176	7177	66.669	26.223	-0.009	0.007	0.171	356.972	1
7177_7177	7177	7177	-70.697	19.529	-0.014	-0.036	-0.308	-359.141	1
7177_7178	7177	7178	62.903	30.015	-0.006	0.009	0.162	336.263	1
7178_7178	7178	7178	-66.664	21.222	-0.009	-0.036	-0.413	-320.231	1
7178_7179	7178	7179	55.945	26.662	-0.004	0.007	0.173	294.222	1
7179_7179	7179	7179	-68.779	16.924	-0.013	0.012	-0.519	-316.599	1
7179_7180	7179	7180	49.981	31.538	0	-0.037	0.241	256.328	1
7180_7180	7180	7180	-67.971	13.165	-0.014	-0.039	-0.669	-294.108	1
7180_7181	7180	7181	40.265	36.754	0.001	0.013	0.339	192.35	1
7181_7181	7181	7181	-65.223	12.859	0.004	-0.025	-0.825	-259.328	1
7181_7182	7181	7182	31.102	37.564	-0.025	-0.002	0.247	129.075	1
7182_7182	7182	7182	-62.323	9.475	-0.001	-0.03	-0.867	-225.676	1
7182_7183	7182	7183	18.749	42.607	-0.022	0.004	0.181	43.295	1
7183_7183	7183	7183	-56.417	6.231	-0.009	-0.012	-1.113	-165.249	1
7183_7184	7183	7184	-3.593	47.694	-0.02	-0.014	0.159	-116.463	1
7184_7184	7184	7184	37.629	52.834	0.01	-0.091	-1.169	287.465	1
7184_7185	7184	7185	12.709	3.092	-0.003	-0.018	0.137	104.72	1
7185_7185	7185	7185	23.775	45.463	0.012	-0.038	-1.118	73.754	1
7185_7186	7185	7186	13.723	5.54	0.005	0.003	0.844	174.043	1
7186_7186	7186	7186	8.781	42.007	-0.011	-0.08	-1.013	-68.048	1
7186_7187	7186	7187	29.408	8.103	0.008	0.052	0.978	272.837	1
7187_7187	7187	7187	-16.899	35.406	-0.007	-0.007	-1.045	-207.695	1
7187_7188	7187	7188	46.27	13.698	0.01	-0.009	1.048	336.264	1
7188_7188	7188	7188	-40.44	37.566	0.001	-0.041	-1.099	-324.955	1
7188_7189	7188	7189	60.628	13.686	-0.009	0.024	1.038	422.469	1
7189_7189	7189	7189	-41.269	29.773	0.001	0.001	-0.953	-315.288	1
7189_7190	7189	7190	55.895	17.76	-0.008	-0.02	0.867	398.388	1
7190_7190	7190	7190	-56.224	31.688	0.002	-0.007	-0.915	-402.541	1
7190_7191	7190	7191	66.594	17.38	-0.007	-0.008	0.849	466.453	1
7191_7191	7191	7191	-64.473	25.615	0	-0.01	-0.869	-450.578	1
7191_7192	7191	7192	66.822	22.995	-0.007	-0.005	0.812	469.138	1
7192_7192	7192	7192	-68.562	28.589	-0.005	-0.006	-0.844	-474.684	1
7192_7193	7192	7193	72.485	20.787	0	-0.009	0.847	502.173	1
7193_7193	7193	7193	-72.741	23.186	-0.006	-0.009	-0.876	-499.85	1
7193_7194	7193	7194	70.771	26.1	0.001	-0.006	0.887	490.865	1
7194_7194	7194	7194	-71.907	26.182	-0.005	0.02	-0.908	-495.517	1
7194_7195	7194	7195	72.035	23.19	0	-0.03	0.921	496.963	1
7195_7195	7195	7195	-74.229	20.926	-0.007	-0.024	-0.937	-509.562	1
7195_7196	7195	7196	68.207	28.598	0.002	0.013	0.969	473.151	1
7196_7196	7196	7196	-69.372	23.156	-0.012	0	-0.969	-480.364	1
7196_7197	7196	7197	64.313	25.807	0.006	-0.014	1.062	449.508	1
7197_7197	7197	7197	-69.913	17.644	-0.013	-0.002	-1.056	-481.473	1
7197_7198	7197	7198	56.383	31.847	0.007	-0.011	1.178	402.594	1
7198_7198	7198	7198	-60.169	18.075	-0.009	0.017	-1.11	-418.467	1
7198_7199	7198	7199	41.624	30.137	0.004	-0.022	1.278	315.672	1
7199_7199	7199	7199	-65.148	14.126	-0.011	-0.011	-1.243	-442.696	1
7199_7200	7199	7200	41.664	37.981	0.006	-0.002	1.425	327.963	1
7200_7200	7200	7200	-51.173	13.861	0.007	-0.007	-1.243	-359.642	1
7200_7201	7200	7201	18.461	36.249	-0.002	-0.015	1.416	212.093	1
7201_7201	7201	7201	-32.476	8.451	0.009	0.089	-1.608	-306.324	1
7201_7202	7201	7202	-7.036	42.782	-0.008	-0.134	2.004	79.721	1
7202_7202	7202	7202	-16.72	5.945	0.004	0.021	-1.347	-205.516	1
7202_7203	7202	7203	-21.154	46.346	0.019	-0.069	2.104	-58.731	1
7203_7203	7203	7203	-12.301	2.809	-0.001	-0.029	-0.096	-103.677	1
7203_7204	7203	7204	-34.399	53.417	0.016	-0.143	2.123	-266.684	1
7204_7204	7204	7204	0.369	48.658	-0.022	-0.001	-0.386	103.784	1
7204_7205	7204	7205	58.883	7.379	-0.021	-0.038	2.004	191.282	1
7205_7205	7205	7205	-20.918	43.897	-0.026	0.02	-0.279	-58.852	1
7205_7206	7205	7206	64.715	10.444	-0.008	-0.054	1.45	257.02	1
7206_7206	7206	7206	-32.973	39.19	-0.029	-0.015	-0.286	-147.303	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7206_7207	7206	7207	67.291	13.584	-0.004	-0.003	1.269	290.485	1
7207_7207	7207	7207	-42.334	38.096	-0.006	-0.022	-0.336	-214.85	1
7207_7208	7207	7208	69.702	14.01	-0.022	-0.021	0.983	324.727	1
7208_7208	7208	7208	-52.204	33.154	-0.011	-0.03	-0.242	-282.73	1
7208_7209	7208	7209	70.48	17.527	-0.017	-0.012	0.76	347.889	1
7209_7209	7209	7209	-58.784	28.477	-0.016	0.013	-0.219	-325.759	1
7209_7210	7209	7210	68.799	21.53	-0.01	-0.062	0.625	353.97	1
7210_7210	7210	7210	-66.577	31	-0.011	-0.036	-0.295	-374.874	1
7210_7211	7210	7211	72.865	20.528	-0.026	-0.01	0.444	394.907	1
7211_7211	7211	7211	-70.536	27.409	-0.016	-0.043	-0.332	-397.03	1
7211_7212	7211	7212	72.201	23.608	-0.021	-0.001	0.319	399.207	1
7212_7212	7212	7212	-72.681	23.993	-0.023	0.034	-0.426	-405.48	1
7212_7213	7212	7213	70.392	27.002	-0.014	-0.079	0.26	393.794	1
7213_7213	7213	7213	-73.642	20.888	-0.025	-0.054	-0.587	-404.017	1
7213_7214	7213	7214	66.799	30.576	-0.011	0.011	0.246	374.829	1
7214_7214	7214	7214	-69.832	21.836	-0.013	-0.037	-0.798	-366.024	1
7214_7215	7214	7215	59.35	28.206	-0.017	-0.003	0.192	328.72	1
7215_7215	7215	7215	-71.766	17.817	-0.018	-0.044	-0.989	-362.989	1
7215_7216	7215	7216	53.182	32.861	-0.012	0.007	0.238	289.382	1
7216_7216	7216	7216	-71.173	14.273	-0.025	0.002	-1.239	-342.498	1
7216_7217	7216	7217	43.733	37.786	-0.006	-0.037	0.373	225.256	1
7217_7217	7217	7217	-68.863	13.722	-0.003	0.08	-1.568	-310.358	1
7217_7218	7217	7218	34.617	39.079	-0.018	0.01	0.453	160.32	1
7218_7218	7218	7218	-66.229	10.57	-0.008	0.094	-1.752	-278.057	1
7218_7219	7218	7219	22.764	43.775	-0.017	-0.024	0.54	74.264	1
7219_7219	7219	7219	-60.384	7.468	0.007	-0.21	-2.094	-212.844	1
7219_7220	7219	7220	1.205	48.456	-0.029	0.162	0.492	-83.979	1
7220_7220	7220	7220	31.732	53.518	0.016	-0.07	-2.188	201.107	1
7220_7221	7220	7221	10.689	3.566	0.004	-0.087	-0.703	76.327	1
7221_7221	7221	7221	17.013	46.804	0.018	-0.048	-2.095	-8.724	1
7221_7222	7221	7222	21.095	6.359	0.007	0.088	1.475	241.469	1
7222_7222	7222	7222	0.648	43.255	-0.014	0.013	-1.887	-153.735	1
7222_7223	7222	7223	38.107	8.934	0.005	0	1.701	343.117	1
7223_7223	7223	7223	-28.325	37.032	-0.01	-0.043	-1.331	-284.45	1
7223_7224	7223	7224	58.812	14.096	0.008	0.072	1.309	399.148	1
7224_7224	7224	7224	-53.736	38.46	0.007	0.109	-1.416	-403.961	1
7224_7225	7224	7225	74.091	14.688	-0.012	-0.094	1.291	487.91	1
7225_7225	7225	7225	-47.415	30.463	0.002	-0.061	-1.363	-397.416	1
7225_7226	7225	7226	62.076	18.598	-0.009	0.093	1.275	473.351	1
7226_7226	7226	7226	-63.346	31.356	0.01	0.16	-1.286	-499.704	1
7226_7227	7226	7227	72.552	19.517	-0.014	-0.137	1.182	549.288	1
7227_7227	7227	7227	-70.209	25.373	0.005	-0.109	-1.121	-543.535	1
7227_7228	7227	7228	71.329	25.135	-0.011	0.132	1.093	546.076	1
7228_7228	7228	7228	-70.842	26.603	0.004	0.209	-1.014	-546.862	1
7228_7229	7228	7229	72.119	24.092	-0.008	-0.177	1.019	553.571	1
7229_7229	7229	7229	-72.765	20.854	-0.001	-0.131	-0.91	-557.215	1
7229_7230	7229	7230	66.596	29.985	-0.003	0.16	0.994	519.727	1
7230_7230	7230	7230	-68.713	21.545	-0.009	0.194	-0.854	-527.278	1
7230_7231	7230	7231	60.523	29.084	-0.001	-0.152	0.987	481.632	1
7231_7231	7231	7231	-67.287	16.101	-0.014	-0.104	-0.899	-511.624	1
7231_7232	7231	7232	48.649	35.434	0.005	0.133	1.069	405.972	1
7232_7232	7232	7232	-78.854	19.963	0.02	0.2	-1.048	-583.498	1
7232_7233	7232	7233	67.596	36.167	-0.026	-0.156	1.029	526.234	1
7233_7233	7233	7233	-71.338	17.121	0.025	0.072	-1.499	-533.618	1
7233_7234	7233	7234	52.927	37.802	-0.038	-0.055	1.398	442.783	1
7234_7234	7234	7234	-62.389	13.418	0.016	0.024	-1.302	-475.334	1
7234_7235	7234	7235	33.553	40.974	-0.037	-0.016	1.106	337.717	1
7235_7235	7235	7235	-57.924	11.188	0.009	-0.027	-1.168	-466.013	1
7235_7236	7235	7236	28.701	45.477	-0.033	0.034	0.932	325.047	1
7236_7236	7236	7236	-33.934	9.864	0.052	0.156	-1.799	-397.132	1
7236_7237	7236	7237	-3.656	45.201	-0.013	-0.095	1.349	155.859	1
7237_7237	7237	7237	-23.173	6.807	0.052	-0.041	-1.171	-328.743	1
7237_7238	7237	7238	-15.303	50.65	-0.013	0.024	1.236	42.067	1
7238_7238	7238	7238	-13.378	12.815	-0.101	-0.041	-0.563	-236.495	1
7238_7239	7238	7239	-20.231	43.063	0.111	0.017	2.174	-32.225	1
7239_7239	7239	7239	-6.794	8.948	-0.091	-0.163	-1.296	-162.44	1
7239_7240	7239	7240	-27.082	48.154	0.119	0.052	3.344	-172.323	1
7240_7240	7240	7240	-27.598	42.285	0.015	0.308	-1.931	-62.398	1
7240_7241	7240	7241	70.506	12.681	-0.083	-0.334	3.371	300.978	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7241_7241	7241	7241	-32.648	37.41	0.009	0.138	-1.276	-118.606	1
7241_7242	7241	7242	70.351	15.967	-0.081	-0.119	2.164	315.843	1
7242_7242	7242	7242	-39.548	32.91	0.002	0.06	-0.937	-182.672	1
7242_7243	7242	7243	69.091	20.179	-0.077	0.019	1.404	326.327	1
7243_7243	7243	7243	-40.422	39.452	0.019	0.141	-0.682	-195.026	1
7243_7244	7243	7244	69.113	13.998	-0.023	-0.157	1.134	347.252	1
7244_7244	7244	7244	-54.276	33.823	0.014	-0.033	-0.337	-304.193	1
7244_7245	7244	7245	70.163	18.101	-0.036	0.023	0.672	380.797	1
7245_7245	7245	7245	-60.744	30.861	-0.037	0.121	-0.173	-348.869	1
7245_7246	7245	7246	68.64	20.175	0.016	-0.109	0.691	389.411	1
7246_7246	7246	7246	-69.398	25.737	-0.032	-0.102	-0.548	-406.138	1
7246_7247	7246	7247	68.021	25.306	0.016	0.11	0.788	401.216	1
7247_7247	7247	7247	-72.173	24.261	-0.005	0.206	-0.859	-411.55	1
7247_7248	7247	7248	65.488	26.841	-0.031	-0.165	0.511	390.045	1
7248_7248	7248	7248	-74.018	19.333	-0.002	-0.153	-1.034	-402.753	1
7248_7249	7248	7249	57.626	32.07	-0.034	0.175	0.236	331.565	1
7249_7249	7249	7249	-74.983	17.328	-0.082	0.082	-1.285	-384.618	1
7249_7250	7249	7250	50.129	35.002	0.019	-0.055	0.574	270.345	1
7250_7250	7250	7250	-74.887	13.477	-0.071	-0.125	-2.337	-359.329	1
7250_7251	7250	7251	39.325	40.867	0.033	0.121	1.271	176.985	1
7251_7251	7251	7251	-74.271	20.304	0.043	0.201	-3.163	-335.342	1
7251_7252	7251	7252	39.794	34.191	-0.03	-0.042	1.549	167.443	1
7252_7252	7252	7252	-74.193	15.853	0.054	-0.085	-2.843	-309.012	1
7252_7253	7252	7253	30.138	38.181	-0.049	0.121	1.254	74.832	1
7253_7253	7253	7253	16.028	41.806	0.058	-0.337	-2.303	23.736	1
7253_7254	7253	7254	11.37	16.464	-0.059	0.125	1.103	201.976	1
7254_7254	7254	7254	20.236	46.062	-0.09	-0.071	-2.097	65.892	1
7254_7255	7254	7255	16.31	8.706	0.052	0.031	1.849	242.776	1
7255_7255	7255	7255	8.325	41.018	-0.095	-0.079	-3.26	-85.397	1
7255_7256	7255	7256	26.538	13.105	0.069	0.135	2.892	322.876	1
7256_7256	7256	7256	-1.139	48.917	0.045	0.028	-4.27	-172.074	1
7256_7257	7256	7257	39.168	8.49	-0.031	-0.038	2.988	412.245	1
7257_7257	7257	7257	-28.686	45.097	0.026	-0.036	-2.432	-299.08	1
7257_7258	7257	7258	60.881	11.249	-0.021	0.041	1.906	449.186	1
7258_7258	7258	7258	-47.954	42.495	0.024	-0.046	-2.239	-403.929	1
7258_7259	7258	7259	71.208	14.097	-0.023	0.068	1.88	505.47	1
7259_7259	7259	7259	-49.997	41.946	0.014	0.115	-2.112	-403.485	1
7259_7260	7259	7260	73.969	13.315	-0.012	-0.096	1.838	515.681	1
7260_7260	7260	7260	-62.923	37.14	0.007	-0.004	-1.457	-430.633	1
7260_7261	7260	7261	80.557	16.523	-0.007	0.022	1.341	510.266	1
7261_7261	7261	7261	-73.798	33.043	0.006	-0.052	-1.361	-494.368	1
7261_7262	7261	7262	84.892	20.388	-0.007	0.081	1.327	539.556	1
7262_7262	7262	7262	-70.558	32.734	0.014	0.085	-1.252	-479.119	1
7262_7263	7262	7263	82.294	19.002	-0.013	-0.068	1.194	529.003	1
7263_7263	7263	7263	-78.78	26.997	0.012	-0.036	-1.01	-527.914	1
7263_7264	7263	7264	82.679	24.353	-0.012	0.051	1.064	536.221	1
7264_7264	7264	7264	-79.973	27.259	0.003	0.138	-0.792	-536.119	1
7264_7265	7264	7265	82.73	24.131	-0.007	-0.112	0.96	540.681	1
7265_7265	7265	7265	-83.015	21.88	-0.002	-0.076	-0.68	-553.323	1
7265_7266	7265	7266	78.515	29.9	-0.003	0.099	0.904	520.52	1
7266_7266	7266	7266	-79.889	22.112	0.004	0.127	-0.611	-533.769	1
7266_7267	7266	7267	72.849	29.787	-0.012	-0.1	0.743	491.625	1
7267_7267	7267	7267	-77.622	17.068	-0.001	-0.041	-0.495	-516.829	1
7267_7268	7267	7268	60.807	35.569	-0.008	0.06	0.628	426.231	1
7268_7268	7268	7268	-87.475	19.846	0.036	0.211	-0.49	-570.625	1
7268_7269	7268	7269	76.053	36.515	-0.039	-0.166	0.46	513.997	1
7269_7269	7269	7269	-67.709	15.625	0.041	0.11	-0.409	-525.03	1
7269_7270	7269	7270	43.091	38.702	-0.05	-0.079	0.119	400.254	1
7270_7270	7270	7270	-58.133	11.624	0.032	-0.043	0.002	-468.961	1
7270_7271	7270	7271	22.8	43.629	-0.048	0.066	-0.415	297.065	1
7271_7271	7271	7271	-34.756	9.99	0.079	0.266	0.388	-410.268	1
7271_7272	7271	7272	-5.599	45.574	-0.117	-0.15	-2.147	155.441	1
7272_7272	7272	7272	-20.174	6.4	0.051	-0.087	0.985	-308.177	1
7272_7273	7272	7273	-23.435	51.286	-0.108	0.16	-3.431	-32.084	1
7273_7273	7273	7273	-14.494	16.479	-0.249	-0.001	1.329	-282.117	1
7273_7274	7273	7274	-14.675	42.633	0.488	-0.257	-0.552	73.108	1
7274_7274	7274	7274	-9.511	13.474	-0.192	-0.148	-0.18	-219.249	1
7274_7275	7274	7275	-22.623	45.019	0.474	-0.246	3.312	-47.864	1
7275_7275	7275	7275	-41.323	35.483	-0.142	0.042	-1.255	-169.802	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7275_7276	7275	7276	76.155	20.938	0.305	0.571	4.642	351.051	1
7276_7276	7276	7276	-46.14	41.442	0.043	0.185	-1.726	-215.746	1
7276_7277	7276	7277	79.279	14.58	-0.13	-0.215	3.885	388.254	1
7277_7277	7277	7277	-34.799	35.442	0.019	0.074	-0.775	-139.119	1
7277_7278	7277	7278	71.462	16.327	-0.116	-0.073	2.141	332.522	1
7278_7278	7278	7278	-43.933	30.248	0.005	-0.057	-0.233	-213.24	1
7278_7279	7278	7279	70.097	21.272	-0.107	0.126	0.872	343.251	1
7279_7279	7279	7279	-43.012	32.339	-0.034	0.166	0.028	-205.495	1
7279_7280	7279	7280	65.959	17.885	0.034	-0.178	1.156	331.943	1
7280_7280	7280	7280	-50.993	25.387	-0.024	-0.094	-0.142	-256.644	1
7280_7281	7280	7281	59.68	23.374	0.024	0.117	1.285	307.592	1
7281_7281	7281	7281	-50.376	25.894	-0.015	0.18	-0.518	-289.282	1
7281_7282	7281	7282	50.181	23.339	-0.097	-0.142	2.183	320.114	1
7282_7282	7282	7282	-57.805	20.133	-0.015	-0.152	-0.31	-328.944	1
7282_7283	7282	7283	44.769	30.33	-0.088	0.197	0.867	276.114	1
7283_7283	7283	7283	-62.404	23.179	-0.202	0.259	-0.303	-333.458	1
7283_7284	7283	7284	43.35	27.211	0.004	-0.148	0.888	259.93	1
7284_7284	7284	7284	-69.614	18.46	-0.193	-0.23	-2.69	-368.477	1
7284_7285	7284	7285	40.374	33.405	0.02	0.255	1.473	216.168	1
7285_7285	7285	7285	-73.66	22.444	0.115	0.264	-4.935	-377.482	1
7285_7286	7285	7286	41.308	31.741	-0.057	-0.089	1.736	205.989	1
7286_7286	7286	7286	-78.577	18.922	0.141	0.05	-4.227	-402.572	1
7286_7287	7286	7287	40.847	36.203	-0.083	0	1.635	177.468	1
7287_7287	7287	7287	-80.537	15.624	0.178	-0.209	-3.443	-397.357	1
7287_7288	7287	7288	36.714	40.389	-0.116	0.178	1.071	102.883	1
7288_7288	7288	7288	8.184	47.276	-0.15	0.037	-1.624	20.438	1
7288_7289	7288	7289	10.859	8.775	0.119	0.036	1.828	232.637	1
7289_7289	7289	7289	-3.845	41.418	-0.147	-0.228	-3.727	-199.116	1
7289_7290	7289	7290	20.336	13.681	0.143	0.384	3.893	353.091	1
7290_7290	7290	7290	-17.614	44.904	-0.038	0.155	-5.432	-380.784	1
7290_7291	7290	7291	31.142	12.14	-0.017	-0.093	4.312	493.09	1
7291_7291	7291	7291	-25.192	40.275	-0.044	0.115	-5.77	-446.958	1
7291_7292	7291	7292	36.612	15.402	-0.006	-0.062	4.611	537.529	1
7292_7292	7292	7292	-47.68	37.796	-0.032	-0.321	-4.129	-567.5	1
7292_7293	7292	7293	52.928	19.525	0.008	0.395	3.463	598.478	1
7293_7293	7293	7293	-47.086	44.667	0.056	0.275	-4.248	-546.787	1
7293_7294	7293	7294	54.729	12.537	-0.051	-0.206	3.239	616.494	1
7294_7294	7294	7294	-53.753	40.009	0.049	0.051	-3.818	-611.834	1
7294_7295	7294	7295	58.788	15.541	-0.055	-0.011	2.943	661.879	1
7295_7295	7295	7295	-54.589	36.689	0.062	-0.422	-5.204	-776.204	1
7295_7296	7295	7296	55.62	19.618	-0.09	0.516	4.096	786.984	1
7296_7296	7296	7296	-53.279	38.161	0.068	0.464	-4.827	-758.582	1
7296_7297	7296	7297	56.561	16.801	-0.045	-0.351	3.761	800.643	1
7297_7297	7297	7297	-59.762	32.418	0.069	-0.271	-4.025	-844.591	1
7297_7298	7297	7298	59.983	21.802	-0.047	0.348	3.368	847.421	1
7298_7298	7298	7298	-63.498	35.296	0.044	0.741	-3.107	-894.019	1
7298_7299	7298	7299	65.572	19.736	-0.048	-0.589	2.88	922.337	1
7299_7299	7299	7299	-66.359	29.174	0.039	-0.396	-2.446	-931.712	1
7299_7300	7299	7300	66.311	24.998	-0.044	0.514	2.322	932.189	1
7300_7300	7300	7300	-67.952	32.36	0.054	0.654	-1.797	-952.396	1
7300_7301	7300	7301	70.824	22.554	-0.061	-0.546	1.535	992.058	1
7301_7301	7301	7301	-71.287	26.804	0.047	-0.409	-1.012	-995.897	1
7301_7302	7301	7302	71.763	28.215	-0.057	0.518	0.797	1004.3	1
7302_7302	7302	7302	-68.231	29.795	0.026	0.699	-0.37	-953.657	1
7302_7303	7302	7303	72.233	24.744	-0.037	-0.614	0.251	1010.27	1
7303_7303	7303	7303	-70.783	24.406	0.02	-0.509	0.011	-985.394	1
7303_7304	7303	7304	72.899	30.683	-0.031	0.642	-0.149	1018.767	1
7304_7304	7304	7304	-65.967	27.141	0.008	0.666	0.236	-917.857	1
7304_7305	7304	7305	72.324	26.77	-0.019	-0.634	-0.387	1010.632	1
7305_7305	7305	7305	-61.029	20.504	0.002	-0.385	0.289	-846.737	1
7305_7306	7305	7306	67.413	32.287	-0.013	0.536	-0.543	944.493	1
7306_7306	7306	7306	-51.778	20.087	-0.008	0.552	0.251	-716.153	1
7306_7307	7306	7307	64.707	29.936	0.013	-0.607	-0.34	907.045	1
7307_7307	7307	7307	-40.211	12.678	-0.007	-0.304	0.111	-553.309	1
7307_7308	7307	7308	56.305	36.246	0.016	0.583	-0.104	793.01	1
7308_7308	7308	7308	-26.992	9.585	0.017	0.3	0.011	-370.699	1
7308_7309	7308	7309	45.482	36.971	-0.082	-0.474	-1.065	645.565	1
7309_7309	7309	7309	-17.297	5.117	0.014	-0.134	0.196	-236.814	1
7309_7310	7309	7310	27.384	44.693	-0.06	0.422	-1.523	399.595	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7310_7310	7310	7310	-0.215	2.504	0.571	-0.025	-7.632	18.371	1
7310_7311	7310	7311	-3.016	50.686	0.089	-0.035	0	-12.22	1
7400_7020	7400	7020	20.534	1.164	1.163	0.04	-18.717	109.238	1
7400_7401	7400	7401	-29.477	16.594	-2.885	0.034	-10.782	358.535	1
7401_7401	7401	7401	19.738	1.272	0.993	-0.371	-13.305	102.774	1
7401_7402	7401	7402	-26.826	13.827	0.457	-0.655	-7.851	316.248	1
7402_7402	7402	7402	25.005	1.812	1.124	0.072	-11.755	108.602	1
7402_7403	7402	7403	-26.463	13.185	0.485	0.165	-2.172	173.022	1
7403_7403	7403	7403	32.434	2.739	-0.001	-0.087	0.205	96.664	1
7403_7404	7403	7404	-22.82	10.251	0.063	-0.086	-1.502	100.335	1
7404_7404	7404	7404	36.229	3.546	-0.016	-0.045	0.148	80.59	1
7404_7405	7404	7405	-23.053	9.717	0.075	0.011	-0.939	30.259	1
7405_7405	7405	7405	41.025	4.93	0.067	-0.078	-0.217	57.882	1
7405_7406	7405	7406	-21.555	7.677	0.05	-0.029	-0.162	-82.769	1
7406_7406	7406	7406	45.616	6.568	-0.929	-0.138	0.527	-10.313	1
7406_7407	7406	7407	-20.322	6.488	-0.109	-0.019	-1.228	-144.398	1
7407_7407	7407	7407	46.975	7.551	-0.924	0.015	-7.617	-66.777	1
7407_7408	7407	7408	-20.454	6.061	-0.108	-0.007	-1.832	-178.074	1
7408_7408	7408	7408	6.812	0.111	0.277	-0.423	-5.525	-26.011	1
7408_7409	7408	7409	-22.881	10.385	0.813	-0.172	-2.209	-189.225	1
7409_7409	7409	7409	21.479	10.159	0.572	0.083	-0.737	189.413	1
7409_7410	7409	7410	13.488	0.216	0.037	0.703	-8.157	-48.24	1
7410_7410	7410	7410	20.108	5.948	-0.031	-0.033	0.765	177.124	1
7410_7411	7410	7411	-51.251	7.269	-0.304	0.089	1.841	69.948	1
7411_7411	7411	7411	20.197	6.37	-0.038	0.002	0.585	142.942	1
7411_7412	7411	7412	-49.775	6.207	-0.311	0.072	-0.712	16.591	1
7412_7412	7412	7412	20.434	7.485	0.047	-0.021	0.211	84.388	1
7412_7413	7412	7413	-50.578	4.664	-0.024	0.072	-0.968	-49.131	1
7413_7413	7413	7413	21.235	9.435	0.072	-0.051	0.994	-26.807	1
7413_7414	7413	7414	-49.606	3.309	0.073	0.033	-0.295	-70.459	1
7414_7414	7414	7414	23.18	9.943	0.089	-0.014	1.562	-96.728	1
7414_7415	7414	7415	-45.439	2.216	0.041	0.092	0.082	-82.965	1
7415_7415	7415	7415	26.192	12.822	0.562	-0.042	2.433	-166.347	1
7415_7416	7415	7416	-44.504	1.143	-1.753	-0.068	-18.86	-90.905	1
7416_7416	7416	7416	26.83	13.459	0.613	-0.013	8.869	-305.364	1
7416_7417	7416	7417	-4.758	0.213	-0.328	0.085	-4.756	-18.296	1
7417_7417	7417	7417	27.46	16.196	-2.91	0.036	11.828	-350.986	1
7417_7036	7417	7036	-33.592	0.25	-1.001	-0.049	-24.835	-72.738	1
7420_7056	7420	7056	14.71	0.465	1.077	0.03	-13.447	64.951	1
7420_7421	7420	7421	-30.58	15.379	-2.922	0.029	-10.521	309.767	1
7421_7421	7421	7421	15.059	0.576	0.696	-0.186	-8.94	64.002	1
7421_7422	7421	7422	-27.841	12.581	0.537	-0.3	-7.021	272.406	1
7422_7422	7422	7422	20.86	1.004	0.912	0.02	-8.804	73.669	1
7422_7423	7422	7423	-27.452	11.917	0.537	0.056	-0.93	143.22	1
7423_7423	7423	7423	27.747	1.763	-0.062	-0.075	1.048	70.682	1
7423_7424	7423	7424	-23.65	9	0.014	-0.077	-0.801	80.94	1
7424_7424	7424	7424	46.087	2.498	0.112	0.087	-0.132	57.969	1
7424_7425	7424	7425	-21.939	8.443	0.033	0.01	-0.529	18.814	1
7425_7425	7425	7425	46.886	3.68	-0.046	0.07	0.771	42.286	1
7425_7426	7425	7426	-21.406	6.484	0.025	-0.022	-0.11	-77.004	1
7426_7426	7426	7426	41.621	5.121	-0.723	-0.104	0.902	-1.646	1
7426_7427	7426	7427	-21.267	5.335	-0.075	0.022	-0.814	-125.679	1
7427_7427	7427	7427	47.4	6.043	0.168	0.025	1.951	-52.856	1
7427_7428	7427	7428	-21.372	4.9	-0.059	-0.067	-1.191	-152.917	1
7428_7428	7428	7428	-12.414	0.428	0.154	0.519	4.415	38.699	1
7428_7429	7428	7429	-22.276	9.37	0.509	-0.118	-1.174	-168.48	1
7429_7429	7429	7429	22.37	9.358	0.52	0.02	-0.065	168.494	1
7429_7430	7429	7430	11.954	0.432	-0.112	0.712	-7.151	-36.577	1
7430_7430	7430	7430	21.431	4.897	-0.041	-0.114	1.073	153.083	1
7430_7431	7430	7431	-43.096	6.238	-0.431	-0.088	2.747	50.191	1
7431_7431	7431	7431	21.327	5.332	-0.068	0.047	0.763	125.858	1
7431_7432	7431	7432	-41.81	5.361	-0.382	-0.073	-0.542	4.311	1
7432_7432	7432	7432	21.509	6.465	0.026	-0.022	0.117	77.198	1
7432_7433	7432	7433	-37.462	3.836	0.067	-0.073	0.214	-48.28	1
7433_7433	7433	7433	22.095	8.4	0.03	-0.001	0.554	-18.429	1
7433_7434	7433	7434	-33.063	2.612	-0.096	-0.056	-0.665	-64.562	1
7434_7434	7434	7434	23.817	8.963	0.015	-0.068	0.794	-80.292	1
7434_7435	7434	7435	-27.748	1.896	-0.076	-0.069	-1.177	-73.234	1
7435_7435	7435	7435	27.629	11.888	0.578	0.106	0.899	-142.417	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7435_7436	7435	7436	-21.225	1.112	1.085	0.042	10.551	-78.768	1
7436_7436	7436	7436	28.018	12.549	0.56	-0.476	7.519	-271.373	1
7436_7437	7436	7437	-15.192	0.691	0.858	-0.258	11.014	-69.516	1
7437_7437	7437	7437	30.735	15.404	-2.826	0.037	11.051	-308.786	1
7437_7072	7437	7072	-15.216	0.575	1.005	0.039	15.521	-71.874	1
7440_7094	7440	7094	14.141	0.556	1.066	0.029	-10.315	66.894	1
7440_7441	7440	7441	-31.364	15.177	-2.848	0.047	-9.76	297.519	1
7441_7441	7441	7441	13.444	0.663	0.435	-0.123	-5.44	63.048	1
7441_7442	7441	7442	-27.811	12.31	0.522	-0.21	-6.371	262.896	1
7442_7442	7442	7442	19.534	1.063	0.647	-0.011	-6.025	72.88	1
7442_7443	7442	7443	-27.446	11.636	0.515	0.013	-0.598	136.672	1
7443_7443	7443	7443	26.617	1.789	-0.072	-0.055	0.993	69.487	1
7443_7444	7443	7444	-23.724	8.687	0.008	-0.04	-0.495	76.498	1
7444_7444	7444	7444	29.675	2.458	-0.068	-0.088	0.501	59.774	1
7444_7445	7444	7445	-22.051	8.123	0.007	-0.043	-0.457	16.77	1
7445_7445	7445	7445	34.533	3.576	0.078	-0.084	-0.223	45.445	1
7445_7446	7445	7446	-21.56	6.188	0.027	-0.029	-0.013	-74.693	1
7446_7446	7446	7446	39.101	4.991	-0.442	-0.078	0.653	-2.816	1
7446_7447	7446	7447	-21.402	5.041	-0.111	0.073	-1	-120.642	1
7447_7447	7447	7447	40.761	5.799	-0.521	-0.112	-3.192	-44.65	1
7447_7448	7447	7448	-21.313	4.61	-0.062	-0.164	-1.404	-146.949	1
7448_7448	7448	7448	-12.331	0.394	0.105	0.774	4.717	38.396	1
7448_7449	7448	7449	-22.502	9.125	0.519	-0.107	-0.8	-161.617	1
7449_7449	7449	7449	22.054	9.057	0.565	-0.147	1.033	161.556	1
7449_7450	7449	7450	8.707	0.248	0.161	0.513	-2.84	-28.121	1
7450_7450	7450	7450	21.332	4.631	-0.108	0.021	1.493	146.329	1
7450_7451	7450	7451	-42.134	6.01	-0.538	-0.036	3.99	46.136	1
7451_7451	7451	7451	21.235	5.059	-0.101	-0.039	0.914	120.583	1
7451_7452	7451	7452	-40.809	5.174	-0.565	-0.133	-0.913	2.259	1
7452_7452	7452	7452	21.312	6.189	0.028	-0.029	-0.035	74.428	1
7452_7453	7452	7453	-36.201	3.703	0.1	-0.09	0.289	-47.746	1
7453_7453	7453	7453	21.677	8.105	0.015	-0.023	0.412	-17.156	1
7453_7454	7453	7454	-31.148	2.531	-0.092	-0.079	-0.611	-62.466	1
7454_7454	7454	7454	23.231	8.654	0.007	-0.061	0.528	-76.836	1
7454_7455	7454	7455	-28.213	1.826	-0.081	-0.076	-1.166	-72.612	1
7455_7455	7455	7455	26.77	11.591	0.493	0.048	0.612	-136.825	1
7455_7456	7455	7456	-21.317	1.047	0.794	0.001	7.418	-76.271	1
7456_7456	7456	7456	27.131	12.219	0.485	-0.319	6.183	-262.625	1
7456_7457	7456	7457	-15.303	0.628	0.611	-0.184	7.647	-66.577	1
7457_7457	7457	7457	29.708	15.143	-2.8	0.039	9.087	-298.977	1
7457_7110	7457	7110	-15.335	0.51	0.978	0.037	11.958	-68.668	1
7460_7132	7460	7132	-18.357	1.156	0.204	0.023	-8.928	-28.284	1
7460_7461	7460	7461	-38.348	17.149	-1.896	0.047	-9.512	285.92	1
7461_7461	7461	7461	9.09	1.521	0.316	-0.041	-4.19	67.758	1
7461_7462	7461	7462	-32.882	12.693	0.56	0.036	-6.1	260.107	1
7462_7462	7462	7462	12.776	1.778	0.435	-0.024	-4.218	68.544	1
7462_7463	7462	7463	-29.845	11.959	0.494	-0.056	-0.383	135.418	1
7463_7463	7463	7463	16.793	2.321	-0.041	-0.019	0.416	52.806	1
7463_7464	7463	7464	-25.876	9.049	0.03	0.008	-0.347	74.241	1
7464_7464	7464	7464	21.294	2.777	-0.016	-0.081	0.109	39.976	1
7464_7465	7464	7465	-25.455	8.445	-0.002	-0.089	-0.399	13.727	1
7465_7465	7465	7465	25.826	3.619	0.03	-0.056	-0.145	22.822	1
7465_7466	7465	7466	-23.504	6.597	0.018	-0.029	-0.111	-81.528	1
7466_7466	7466	7466	54.564	5.237	-0.29	0.033	0.627	9.745	1
7466_7467	7466	7467	-21.924	5.57	0.034	-0.059	0.185	-132.189	1
7467_7467	7467	7467	57.093	6.384	-0.235	0.107	-1.932	-33.959	1
7467_7468	7467	7468	-21.432	5.126	0.009	0.062	0.232	-160.923	1
7468_7468	7468	7468	-17.036	1.176	-0.47	0.308	2.053	33.317	1
7468_7469	7468	7469	-43.02	11.027	0.362	0.037	3.073	-131.906	1
7469_7469	7469	7469	40.713	11.129	0.46	-0.065	-2.826	141.642	1
7469_7470	7469	7470	16.612	1.601	-0.335	0.222	-1.463	-19.106	1
7470_7470	7470	7470	22.343	5.312	0.029	-0.004	-0.249	162.728	1
7470_7471	7470	7471	-37.479	6.442	0.004	-0.064	-0.212	74.407	1
7471_7471	7471	7471	22.226	5.78	0.032	-0.028	-0.079	133.208	1
7471_7472	7471	7472	-36.224	5.674	-0.014	-0.074	-0.245	25.966	1
7472_7472	7472	7472	23.505	6.934	0.01	-0.032	0.154	80.791	1
7472_7473	7472	7473	-32.515	4.45	0.044	-0.066	0.207	-35.642	1
7473_7473	7473	7473	24.62	9	0.034	0.027	0.288	-19.491	1
7473_7474	7473	7474	-29.618	3.38	-0.078	-0.024	-0.528	-58.383	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7474_7474	7474	7474	24.973	9.578	0.003	-0.107	0.577	-84.208	1
7474_7475	7474	7475	-27.085	2.729	-0.035	-0.092	-0.729	-76.002	1
7475_7475	7475	7475	28.748	12.688	0.433	-0.012	0.525	-149.943	1
7475_7476	7475	7476	-22.38	1.979	0.597	-0.014	5.657	-92.944	1
7476_7476	7476	7476	31.593	13.386	0.471	-0.089	5.558	-282.866	1
7476_7477	7476	7477	-18.371	1.494	0.489	-0.108	6.3	-91.201	1
7477_7477	7477	7477	32.54	16.349	-2.861	0.041	7.986	-327.326	1
7477_7148	7477	7148	-18.417	1.401	0.441	0.026	8.413	-96.936	1
7480_7168	7480	7168	14.323	1.049	0.472	0.023	-7.996	75.035	1
7480_7481	7480	7481	-35.083	16.714	-2.587	0.035	-7.985	336.729	1
7481_7481	7481	7481	12.779	1.151	0.389	0.03	-5.242	67.753	1
7481_7482	7481	7482	-34.133	13.804	0.508	0.461	-5.178	290.956	1
7482_7482	7482	7482	17.506	1.518	0.538	-0.049	-5.057	71.743	1
7482_7483	7482	7483	-31.076	13.055	0.395	-0.188	-0.763	154.575	1
7483_7483	7483	7483	23.328	2.164	-0.057	-0.039	0.749	60.353	1
7483_7484	7483	7484	-26.946	9.943	0.028	-0.042	-0.588	86.659	1
7484_7484	7484	7484	27.53	2.746	-0.059	-0.052	0.356	47.811	1
7484_7485	7484	7485	-26.542	9.324	0.027	-0.031	-0.392	19.655	1
7485_7485	7485	7485	31.248	3.79	0.04	-0.052	-0.197	29.842	1
7485_7486	7485	7486	-24.685	7.261	0.023	-0.026	-0.045	-85.69	1
7486_7486	7486	7486	34.93	5.073	0.002	-0.079	0.216	-22.708	1
7486_7487	7486	7487	-23.688	6.092	0.019	-0.062	0.093	-140.819	1
7487_7487	7487	7487	58.278	5.851	-0.194	0.088	-1.71	-21.125	1
7487_7488	7487	7488	-23.406	5.609	-0.004	0.067	0.099	-172.198	1
7488_7488	7488	7488	-19.109	1.744	-0.235	0.288	2.047	24.209	1
7488_7489	7488	7489	-44.294	11.816	0.53	-0.039	3.068	-146.123	1
7489_7489	7489	7489	45.676	12.108	0.51	-0.04	-3.05	149.904	1
7489_7490	7489	7490	14.972	1.316	-0.386	0.294	-2.147	-23.488	1
7490_7490	7490	7490	24.1	5.606	0.019	-0.095	0.069	173.832	1
7490_7491	7490	7491	-34.027	5.851	0.016	-0.106	-0.483	72.431	1
7491_7491	7491	7491	24.408	6.115	0.002	0.034	0.084	142.534	1
7491_7492	7491	7492	-32.475	5.15	0.037	-0.027	-0.084	29.015	1
7492_7492	7492	7492	26.087	7.326	0.024	-0.027	0.105	87.083	1
7492_7493	7492	7493	-28.82	4.007	0.028	-0.05	0.153	-26.051	1
7493_7493	7493	7493	27.554	9.467	0.007	-0.086	0.471	-18.704	1
7493_7494	7493	7494	-24.084	3.062	-0.026	-0.076	-0.179	-45.142	1
7494_7494	7494	7494	27.98	10.113	0.04	0.019	0.481	-86.736	1
7494_7495	7494	7495	-20.917	2.544	-0.055	-0.01	-0.586	-60.757	1
7495_7495	7495	7495	32.278	13.266	0.341	-0.012	0.753	-155.939	1
7495_7496	7495	7496	-15.245	1.973	0.372	-0.012	3.427	-76.715	1
7496_7496	7496	7496	35.423	14.06	0.381	-0.068	4.787	-294.815	1
7496_7497	7496	7497	-11.371	1.652	0.27	-0.058	3.388	-75.709	1
7497_7497	7497	7497	36.457	16.912	-2.453	0.047	6.8	-341.515	1
7497_7184	7497	7184	-12.108	1.562	0.726	0.019	6.721	-83.567	1
7500_7204	7500	7204	7.641	0.229	0.631	0.033	-7.488	36.406	1
7500_7501	7500	7501	-31.875	16.785	-2.343	0.051	-5.761	362.848	1
7501_7501	7501	7501	8.43	0.307	0.4	-0.1	-5.195	37.877	1
7501_7502	7501	7502	-31.2	14.082	0.265	-0.165	-4.42	315.095	1
7502_7502	7502	7502	42.016	0.69	-0.78	0.005	7.785	75.281	1
7502_7503	7502	7503	-30.495	13.339	0.255	0.005	-1.453	170.7	1
7503_7503	7503	7503	48.309	1.76	0.098	0.012	-0.646	79.812	1
7503_7504	7503	7504	-26.772	10.445	0.034	-0.12	-1.134	97.953	1
7504_7504	7504	7504	52.617	2.938	0.026	0.107	0.161	71.047	1
7504_7505	7504	7505	-24.575	9.866	0.065	0.043	-0.578	25.457	1
7505_7505	7505	7505	53.406	4.397	0.024	0.068	0.354	53.233	1
7505_7506	7505	7506	-22.891	7.865	0.031	-0.02	-0.055	-92.069	1
7506_7506	7506	7506	53.922	6.098	-0.172	0.048	0.703	-7.106	1
7506_7507	7506	7507	-22.533	6.65	-0.071	-0.065	-0.706	-152.953	1
7507_7507	7507	7507	55.906	7.229	-0.089	0.118	-0.572	-58.682	1
7507_7508	7507	7508	-22.607	6.186	-0.089	0.091	-1.128	-187.581	1
7508_7508	7508	7508	-12.24	0.468	-0.446	0.431	3.912	30.761	1
7508_7509	7508	7509	-24.216	10.877	0.474	-0.029	-0.464	-201.155	1
7509_7509	7509	7509	23.383	10.974	0.646	-0.238	1.774	206.813	1
7509_7510	7509	7510	12.307	0.704	0.303	0.401	-1.648	-31.504	1
7510_7510	7510	7510	22.834	6.314	-0.135	-0.086	2.283	188.007	1
7510_7511	7510	7511	-50.23	7.132	-0.739	-0.039	5.464	58.46	1
7511_7511	7511	7511	22.699	6.782	-0.153	0.025	1.471	152.92	1
7511_7512	7511	7512	-48.486	6.112	-0.705	-0.096	-0.675	6.831	1
7512_7512	7512	7512	23.869	8.077	0.044	-0.032	0.074	89.505	1

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7512_7513	7512	7513	-43.285	4.354	0.072	-0.07	0.193	-52.896	1
7513_7513	7513	7513	26.237	10.15	0.02	-0.026	0.751	-29.958	1
7513_7514	7513	7514	-38.013	2.912	-0.022	-0.057	-0.169	-71.004	1
7514_7514	7514	7514	25.995	10.757	0.019	-0.051	0.893	-103.155	1
7514_7515	7514	7515	-32.947	2.09	-0.022	-0.052	-0.356	-81.268	1
7515_7515	7515	7515	30.64	13.635	0.183	0.386	1.151	-178.615	1
7515_7516	7515	7516	-25.172	1.183	0.418	0.09	4.059	-86.431	1
7516_7516	7516	7516	31.067	14.374	0.068	-1.199	3.678	-326.533	1
7516_7517	7516	7517	-16.966	0.692	0.348	-0.314	3.755	-72.979	1
7517_7517	7517	7517	34.073	17.073	-2.358	-0.051	6.09	-369.816	1
7517_7220	7517	7220	-17.81	0.615	1.072	0.026	8.686	-77.503	1
7520_7240	7520	7240	74.129	10.076	2.346	0.15	14.761	84.243	1
7520_7521	7520	7521	-34.965	11.136	-5.647	-0.681	-10.685	420.346	1
7521_7521	7521	7521	9.816	0.389	0.585	-0.227	8.185	45.957	1
7521_7522	7521	7522	-40.783	15.803	0.513	-0.921	-12.231	368.352	1
7522_7522	7522	7522	16.926	0.717	0.822	0.017	-9.127	61.489	1
7522_7523	7522	7523	-38.78	14.847	0.511	0.128	-5.59	208.716	1
7523_7523	7523	7523	28.369	1.576	0.025	-0.111	-0.22	66.25	1
7523_7524	7523	7524	-36.46	12.143	0.239	-0.205	-3.473	121.774	1
7524_7524	7524	7524	54.25	2.712	-0.02	0.11	-0.09	71.828	1
7524_7525	7524	7525	-34.392	11.323	0.298	0.112	-1.131	37.715	1
7525_7525	7525	7525	58.604	4.331	0.078	0.061	-0.545	58.738	1
7525_7526	7525	7526	-33.144	9.168	0.172	0.004	1.552	-96.835	1
7526_7526	7526	7526	59.52	6.324	-1.249	0.061	0.28	0.437	1
7526_7527	7526	7527	-31.601	7.632	-0.03	0.225	1.414	-168.683	1
7527_7527	7527	7527	59.374	7.545	-1.415	0.135	-10.84	-55.542	1
7527_7528	7527	7528	-31.751	6.981	0.046	-0.251	1.468	-207.48	1
7528_7528	7528	7528	-15.532	0.669	-0.353	1.472	13.655	45.762	1
7528_7529	7528	7529	-31.625	13.488	-0.244	0.539	3.921	-230.422	1
7529_7529	7529	7529	32.721	13.429	0.541	-0.703	5.837	233.67	1
7529_7530	7529	7530	14.792	0.756	0.237	-0.37	4.142	-38.277	1
7530_7530	7530	7530	31.825	6.711	0.032	-0.368	3.392	210.049	1
7530_7531	7530	7531	-51.314	7.052	-1.558	-0.019	12.901	57.236	1
7531_7531	7531	7531	32.634	7.387	-0.154	0.133	4.046	169.965	1
7531_7532	7531	7532	-51.455	5.986	-1.375	-0.093	0.63	4.219	1
7532_7532	7532	7532	34.036	8.913	-0.186	-0.019	2.495	102.371	1
7532_7533	7532	7533	-44.936	4.268	-0.145	-0.046	-1.539	-52.954	1
7533_7533	7533	7533	36.554	11.095	-0.147	0.123	-0.286	-29.119	1
7533_7534	7533	7534	-38.372	2.784	-0.095	0.024	-2.239	-69.399	1
7534_7534	7534	7534	37.64	11.943	-0.22	-0.09	-1.287	-109.977	1
7534_7535	7534	7535	-32.906	1.972	-0.018	-0.075	-2.159	-78.332	1
7535_7535	7535	7535	41.072	14.783	0.133	0.314	-2.831	-194.288	1
7535_7536	7535	7536	-23.162	1.101	-0.082	0.026	-2.943	-79.969	1
7536_7536	7536	7536	41.536	15.764	0.027	-0.657	-1.101	-354.624	1
7536_7537	7536	7537	-16.429	0.627	-0.019	-0.109	-2.439	-68.295	1
7537_7537	7537	7537	45.444	17.929	-0.036	0.039	-0.632	-400.313	1
7537_7253	7537	7253	-18.478	0.601	1.064	0.744	1.645	-75.003	1
7540_7275	7540	7275	8.954	0.301	-0.005	-0.082	4.905	25.814	1
7540_7541	7540	7541	-44.701	16.083	0.168	-0.139	2.876	390.586	1
7541_7541	7541	7541	7.071	0.276	-0.272	0.038	4.333	20.932	1
7541_7542	7541	7542	-41.211	14.735	-0.612	-0.78	0.145	346.083	1
7542_7542	7542	7542	35.007	0.795	-0.374	0.016	3.505	66.856	1
7542_7543	7542	7543	-39.591	13.713	-0.512	-0.045	-5.517	198.197	1
7543_7543	7543	7543	48.611	1.752	0.186	-0.067	-1.946	81.594	1
7543_7544	7543	7544	-36.634	11.493	0.167	-0.28	-3.85	114.271	1
7544_7544	7544	7544	54.993	2.975	0.058	0.153	-0.716	75.311	1
7544_7545	7544	7545	-36.895	10.626	0.26	0.132	-1.869	37.679	1
7545_7545	7545	7545	59.64	4.703	0.061	0.084	-0.81	60.71	1
7545_7546	7545	7546	-33.904	8.854	0.326	0.047	3.442	-96.032	1
7546_7546	7546	7546	60.976	7.01	-2.047	0.064	-0.491	-3.068	1
7546_7547	7546	7547	-32.739	7.49	0.116	0.348	4.649	-166.076	1
7547_7547	7547	7547	60.808	8.287	-2.247	0.254	-18.71	-65.134	1
7547_7548	7547	7548	-32.889	6.801	0.208	-0.263	5.575	-203.855	1
7548_7548	7548	7548	-11.492	0.269	-0.454	1.733	14.059	42.967	1
7548_7549	7548	7549	-31.924	13.706	-0.959	1.495	8.971	-230.01	1
7549_7549	7549	7549	39.359	14.813	1.08	-1.911	13.021	220.591	1
7549_7550	7549	7550	-8.679	0.433	0.436	-1.711	12.605	35.845	1
7550_7550	7550	7550	35.272	6.689	-0.085	-0.275	6.771	204.909	1
7550_7551	7550	7551	-52.193	8.066	-2.276	0.12	20.212	60.263	1

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7551_7551	7551	7551	35.187	7.515	-0.169	-0.029	6.174	166.903	1
7551_7552	7551	7552	-50.581	6.861	-2.123	-0.211	2.184	5.415	1
7552_7552	7552	7552	38.316	9.308	-0.36	-0.047	4.402	98.699	1
7552_7553	7552	7553	-46.171	5.067	-0.362	-0.037	-3.064	-62.884	1
7553_7553	7553	7553	42.407	11.577	-0.383	0.09	-1.028	-36.536	1
7553_7554	7553	7554	-36.98	3.446	-0.27	-0.003	-4.872	-80.499	1
7554_7554	7554	7554	42.762	12.648	-0.439	0.019	-3.708	-118.324	1
7554_7555	7554	7555	-31.386	2.584	-0.212	0.003	-5.998	-92.489	1
7555_7555	7555	7555	45.642	15.488	-0.094	0.212	-6.943	-206.737	1
7555_7556	7555	7556	-20.517	1.714	0.522	0.031	0.188	-97.12	1
7556_7556	7556	7556	49.597	16.784	-0.14	0.27	-8.224	-363.889	1
7556_7557	7556	7557	-14.848	1.23	0.521	-0.034	2.684	-88.574	1
7557_7557	7557	7557	45.309	14.89	2.806	0.224	-7.893	-428.339	1
7557_7288	7557	7288	-39.11	3.925	5.527	0.542	21.648	-128.766	1
47000_7000	47000	7000	0.836	53.901	-0.377	-0.325	0	6.298	1
47000_7001	47000	7001	0.486	3.456	-0.955	-0.703	-10.037	-31.935	1
47001_7001	47001	7001	1.05	45.951	-0.502	-0.379	-5.277	-474.84	1
47001_7002	47001	7002	-0.164	5.49	0.047	0.075	0.939	276.166	1
47002_7002	47002	7002	1.246	41.752	0.412	0.053	-12.797	-729.186	1
47002_7003	47002	7003	-0.317	7.739	-0.076	-0.092	1.356	438.997	1
47003_7003	47003	7003	1.365	33.896	0.465	-1.063	-9.403	-992.942	1
47003_7004	47003	7004	-0.441	13.333	-0.116	0.527	0.83	604.354	1
47004_7004	47004	7004	1.429	35.605	-0.008	0.812	-4.846	-1126.038	1
47004_7005	47004	7005	-0.759	16.06	0.013	-0.633	1.495	874.965	1
47005_7005	47005	7005	1.46	28.967	-0.004	-1.728	-5.994	-1251.88	1
47005_7006	47005	7006	-1.047	24.048	0.018	1.393	2.432	1047.109	1
47006_7006	47006	7006	1.467	32.807	-0.098	0.798	-7.107	-1287.359	1
47006_7007	47006	7007	-1.239	22.301	0.068	-0.751	4.053	1193.016	1
47007_7007	47007	7007	1.46	26.539	-0.108	-1.912	-9.428	-1354.802	1
47007_7008	47007	7008	-1.359	29.049	0.079	1.774	5.996	1238.097	1
47008_7008	47008	7008	1.446	30.632	-0.218	0.888	-11.976	-1344.738	1
47008_7009	47008	7009	-1.426	25.273	0.189	-0.791	9.383	1308.038	1
47009_7009	47009	7009	1.429	24.424	-0.22	-1.836	-15.744	-1372.969	1
47009_7010	47009	7010	-1.457	31.681	0.205	1.879	13.221	1293.712	1
47010_7010	47010	7010	1.41	28.159	-0.172	0.9	-19.396	-1327.343	1
47010_7011	47010	7011	-1.465	27.666	0.168	-0.769	16.679	1314.763	1
47011_7011	47011	7011	1.388	21.955	-0.173	-1.564	-22.189	-1318.144	1
47011_7012	47011	7012	-1.458	34.078	0.175	1.716	20.223	1254.942	1
47012_7012	47012	7012	1.356	24.898	-0.311	1.069	-24.722	-1233.018	1
47012_7013	47012	7013	-1.444	30.493	0.366	-0.925	25.947	1226.809	1
47013_7013	47013	7013	1.299	18.809	-0.29	-1.309	-28.128	-1187.685	1
47013_7014	47013	7014	-1.427	37.025	0.372	1.527	31.639	1116.516	1
47014_7014	47014	7014	1.183	18.586	-0.326	0.364	-29.914	-985.271	1
47014_7015	47014	7015	-1.409	34.585	0.23	-0.319	35.982	896.031	1
47015_7015	47015	7015	0.974	14.611	-0.304	-0.536	-33.663	-1038.405	1
47015_7016	47015	7016	-1.76	43.526	0.287	0.627	39.351	939.263	1
47016_7016	47016	7016	0.568	15.177	0.083	0.83	-33.519	-835.952	1
47016_7017	47016	7017	-2.377	40.109	-0.002	-0.541	39.488	694.773	1
47017_7017	47017	7017	0.328	8.902	0.042	-0.035	-29.079	-649.699	1
47017_7018	47017	7018	-3.642	46.796	-0.065	0.085	37.821	394.018	1
47018_7018	47018	7018	0.137	6.131	0.085	0.595	-25.607	-434.701	1
47018_7019	47018	7019	-4.945	49.627	0.201	-0.228	38.091	120.949	1
47019_7019	47019	7019	0.248	1.841	0.153	0.234	-19.706	-198.939	1
47019_7020	47019	7020	-6.886	56.995	0.161	-0.454	37.707	-252.792	1
47020_7020	47020	7020	-21.284	51.538	-0.368	0.413	-11.049	181.144	1
47020_7021	47020	7021	50.636	8.02	-0.217	-0.842	39.292	361.881	1
47021_7021	47021	7021	-17.867	46.299	-0.447	0.318	-9.762	-89.705	1
47021_7022	47021	7022	44.646	11.383	-0.133	-0.536	33.959	460.567	1
47022_7022	47022	7022	-15.354	41.003	-0.504	-0.085	-9.022	-233.903	1
47022_7023	47022	7023	39.682	14.888	-0.083	0.227	30.22	506.651	1
47023_7023	47023	7023	-13.714	40.155	0.054	0.516	-9.049	-340.063	1
47023_7024	47023	7024	34.247	15.126	-0.486	-0.946	23.797	556.209	1
47024_7024	47024	7024	-12.901	34.656	-0.022	-0.238	-5.325	-449.945	1
47024_7025	47024	7025	28.924	19.052	-0.45	-0.186	17.93	586.279	1
47025_7025	47025	7025	-12.914	29.506	-0.112	-0.268	-2.859	-515.41	1
47025_7026	47025	7026	23.912	23.541	-0.373	-0.126	13.118	584.94	1
47026_7026	47026	7026	-13.447	32.958	-0.192	0.427	-2.286	-591.239	1
47026_7027	47026	7027	19.852	21.839	-0.417	-0.825	9.23	647.693	1
47027_7027	47027	7027	-14.401	28.971	-0.283	0.506	-2.473	-628.044	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47027_7028	47027	7028	17.367	25.25	-0.337	-0.997	6.538	650.028	1
47028_7028	47028	7028	-15.803	25.193	-0.34	-0.905	-3.718	-640.299	1
47028_7029	47028	7029	15.513	29.029	-0.283	0.425	4.598	634.604	1
47029_7029	47029	7029	-17.729	21.79	-0.417	-0.86	-5.744	-635.579	1
47029_7030	47029	7030	14.16	33.027	-0.194	0.476	3.703	595.248	1
47030_7030	47030	7030	-20.909	23.496	-0.36	-0.049	-8.746	-569.55	1
47030_7031	47030	7031	13.266	29.515	-0.138	-0.35	3.369	516.968	1
47031_7031	47031	7031	-24.847	19.005	-0.438	-0.201	-12.635	-567.383	1
47031_7032	47031	7032	12.803	34.672	-0.052	-0.245	4.659	447.835	1
47032_7032	47032	7032	-29.021	15.086	-0.477	-1.017	-17.622	-534.322	1
47032_7033	47032	7033	13.158	40.185	0.023	0.589	7.209	334.819	1
47033_7033	47033	7033	-33.29	14.865	-0.147	-0.655	-23.296	-481.658	1
47033_7034	47033	7034	14.283	40.954	-0.481	0.353	6.464	225.508	1
47034_7034	47034	7034	-37.177	11.35	-0.305	0.049	-27.015	-432.489	1
47034_7035	47034	7035	16.192	46.267	-0.371	-0.089	7.052	78.338	1
47035_7035	47035	7035	-41.858	7.98	-0.377	-0.954	-33.385	-331.506	1
47035_7036	47035	7036	18.855	51.523	-0.312	0.323	8.19	-195.137	1
47036_7036	47036	7036	22.686	54.998	0.115	-0.846	-26.089	341.104	1
47036_7037	47036	7037	4.308	4.087	-0.075	-0.614	2.856	195.509	1
47037_7037	47037	7037	22.329	47.613	0.138	-0.382	-26.625	16.546	1
47037_7038	47037	7038	-7.922	6.65	0.123	0.313	18.379	371.909	1
47038_7038	47038	7038	21.621	44.716	-0.124	-0.154	-26.703	-203.623	1
47038_7039	47038	7039	-11.096	9.441	0.105	0.001	21.607	558.246	1
47039_7039	47039	7039	20.182	38.113	-0.114	-0.807	-28.917	-453.356	1
47039_7040	47039	7040	-14.446	15.702	0.187	1.1	26.233	707.32	1
47040_7040	47040	7040	19.13	41.338	-0.008	0.628	-30.08	-660.7	1
47040_7041	47040	7041	-17.033	15.215	-0.151	-0.79	26.794	870.725	1
47041_7041	47041	7041	17.506	32.277	-0.051	-0.806	-29.795	-590.08	1
47041_7042	47041	7042	-18.338	19.257	-0.083	0.83	26.748	778.995	1
47042_7042	47042	7042	16.466	35.078	0.129	0.642	-29.883	-774.216	1
47042_7043	47042	7043	-19.323	18.511	-0.252	-0.731	26.097	919.004	1
47043_7043	47043	7043	15.607	28.083	0.063	-1.149	-27.861	-874.527	1
47043_7044	47043	7044	-19.229	24.898	-0.212	1.124	24.918	921.162	1
47044_7044	47044	7044	15.055	31.599	0.022	0.268	-26.663	-898.675	1
47044_7045	47044	7045	-18.497	21.475	-0.088	-0.46	25.023	968.994	1
47045_7045	47045	7045	14.827	24.715	-0.009	-0.645	-25.927	-959.503	1
47045_7046	47045	7046	-17.525	28.154	-0.064	0.462	25.119	944.634	1
47046_7046	47046	7046	14.854	28.435	-0.089	0.938	-25.466	-946.229	1
47046_7047	47046	7047	-16.503	24.342	0.006	-0.984	25.886	962.334	1
47047_7047	47047	7047	14.975	21.714	-0.126	-1.012	-25.837	-973.905	1
47047_7048	47047	7048	-15.645	31.239	0.053	0.958	27.157	906.862	1
47048_7048	47048	7048	15.016	25.036	-0.217	0.533	-26.325	-927.732	1
47048_7049	47048	7049	-15.081	27.63	0.105	-0.691	29.058	888.332	1
47049_7049	47049	7049	14.627	18.6	-0.232	-0.426	-27.577	-926.692	1
47049_7050	47049	7050	-14.849	34.68	0.15	0.248	31.454	792.449	1
47050_7050	47050	7050	13.368	19.279	-0.186	0.706	-27.892	-787.718	1
47050_7051	47050	7051	-14.881	31.802	-0.011	-0.717	31.92	613.832	1
47051_7051	47051	7051	12.138	15.158	-0.231	-0.693	-29.429	-875.745	1
47051_7052	47051	7052	-15.402	41.068	0.055	0.557	33.07	675.873	1
47052_7052	47052	7052	9.829	15.887	0.215	1.057	-29.229	-715.464	1
47052_7053	47052	7053	-15.963	37.618	-0.147	-0.771	31.743	469.364	1
47053_7053	47053	7053	7.019	9.488	0.116	0.006	-23.906	-575.235	1
47053_7054	47053	7054	-16.922	44.402	-0.184	-0.174	28.845	-222.679	1
47054_7054	47054	7054	4.548	6.581	0.051	0.495	-20.396	-392.625	1
47054_7055	47054	7055	-17.322	47.414	0.269	-0.393	30.524	0.562	1
47055_7055	47055	7055	-12.379	3.134	0.07	-0.773	5.283	-164.423	1
47055_7056	47055	7056	-17.728	55.037	0.245	-0.787	31.554	-327.666	1
47056_7056	47056	7056	-21.348	50.894	-0.374	0.642	-7.875	125.872	1
47056_7057	47056	7057	45.064	7.973	-0.244	-1.051	33.541	351.567	1
47057_7057	47057	7057	-18.581	45.595	-0.444	0.277	-7.278	-142.276	1
47057_7058	47057	7058	40.295	11.513	-0.169	-0.529	28.274	455.147	1
47058_7058	47058	7058	-16.547	40.287	-0.506	-0.178	-7.217	-285.229	1
47058_7059	47058	7059	36.348	15.156	-0.107	0.252	24.782	510.881	1
47059_7059	47059	7059	-15.229	39.785	0.047	0.962	-8.007	-388.546	1
47059_7060	47059	7060	31.914	15.401	-0.405	-1.324	19.574	568.22	1
47060_7060	47060	7060	-14.617	34.34	-0.012	0.011	-4.998	-495.64	1
47060_7061	47060	7061	27.582	19.378	-0.387	-0.449	14.717	603.689	1
47061_7061	47061	7061	-14.722	29.256	-0.074	-0.81	-3.025	-558.858	1
47061_7062	47061	7062	23.481	23.92	-0.352	0.54	10.487	606.888	1

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47062_062	47062	7062	-15.264	32.959	-0.179	0.798	-2.508	-632.576	1
47062_063	47062	7063	20.181	22.065	-0.338	-1.283	7.458	674.765	1
47063_063	47063	7063	-16.193	29.001	-0.228	-0.61	-2.932	-668.738	1
47063_064	47063	7064	18.163	25.468	-0.302	-0.007	5.201	679.611	1
47064_064	47064	7064	-17.532	25.257	-0.303	-0.552	-4.078	-680.828	1
47064_065	47064	7065	16.662	29.229	-0.228	-0.021	3.787	666.949	1
47065_065	47065	7065	-19.382	21.871	-0.369	-0.672	-6.053	-674.876	1
47065_066	47065	7066	15.579	33.189	-0.156	0.161	3.219	629.386	1
47066_066	47066	7066	-22.451	23.731	-0.351	-0.43	-8.964	-606.674	1
47066_067	47066	7067	14.881	29.425	-0.043	-0.185	3.669	554.479	1
47067_067	47067	7067	-26.306	19.209	-0.41	-0.528	-12.812	-603.1	1
47067_068	47067	7068	14.571	34.522	0.034	-0.082	5.616	490.028	1
47068_068	47068	7068	-30.397	15.252	-0.464	-0.669	-17.459	-567.456	1
47068_069	47068	7069	14.978	39.977	0.109	0.085	8.695	380.846	1
47069_069	47069	7069	-34.568	15.063	-0.134	0.048	-22.796	-511.473	1
47069_070	47069	7070	16.072	40.432	-0.485	-0.168	7.614	277.306	1
47070_070	47070	7070	-38.291	11.459	-0.198	-0.763	-26.165	-457.854	1
47070_071	47070	7071	17.896	45.745	-0.419	0.343	7.479	133.838	1
47071_071	47071	7071	-42.805	7.987	-0.317	-0.848	-31.241	-357.626	1
47071_072	47071	7072	20.445	51.045	-0.323	0.411	8.201	-135.145	1
47072_072	47072	7072	19.412	54.591	0.202	-0.888	-27.57	292.669	1
47072_073	47072	7073	3.176	3.614	-0.039	-0.509	6.632	153.362	1
47073_073	47073	7073	18.596	46.982	0.225	-0.466	-26.716	-45.174	1
47073_074	47073	7074	-6.133	6.638	0.057	0.347	18.655	392	1
47074_074	47074	7074	17.517	44.048	-0.205	-0.29	-25.24	-276.509	1
47074_075	47074	7075	-8.812	9.542	0.118	0.113	21.746	579.911	1
47075_075	47075	7075	15.786	37.33	-0.173	-0.784	-28.279	-531.718	1
47075_076	47075	7076	-11.683	16.028	0.215	0.912	26.59	725.213	1
47076_076	47076	7076	14.58	40.952	0.075	0.151	-29.96	-745.603	1
47076_077	47076	7077	-13.838	15.208	-0.218	-0.272	26.703	893.641	1
47077_077	47077	7077	12.906	32.573	-0.007	-0.762	-28.737	-729.176	1
47077_078	47077	7078	-14.784	19.4	-0.197	0.607	25.085	847.638	1
47078_078	47078	7078	11.932	35.429	0.167	0.194	-28.602	-890.973	1
47078_079	47078	7079	-15.294	18.592	-0.17	-0.367	25.013	987.921	1
47079_079	47079	7079	11.166	28.934	0.14	-0.821	-26.346	-988.772	1
47079_080	47079	7080	-15.032	24.643	-0.165	0.648	24.107	1007.273	1
47080_080	47080	7080	10.677	32.661	-0.002	0.385	-24.439	-1016.412	1
47080_081	47080	7081	-14.192	21.284	-0.049	-0.525	24.076	1069.612	1
47081_081	47081	7081	10.495	26.244	-0.023	-0.818	-24.09	-1078.49	1
47081_082	47081	7082	-13.161	27.525	-0.026	0.68	24.203	1065.943	1
47082_082	47082	7082	10.648	29.812	-0.017	0.48	-23.923	-1053.789	1
47082_083	47082	7083	-12.157	23.51	-0.044	-0.617	24.001	1083.982	1
47083_083	47083	7083	11.111	23.048	-0.04	-0.612	-23.7	-1086.139	1
47083_084	47083	7084	-11.278	30.313	-0.021	0.476	24.059	1046.578	1
47084_084	47084	7084	11.728	27.069	-0.085	0.584	-23.781	-1064.359	1
47084_085	47084	7085	-10.709	26.657	0.035	-0.733	24.75	1067.297	1
47085_085	47085	7085	12.382	20.874	-0.102	-0.505	-24.201	-1065.366	1
47085_086	47085	7086	-10.504	33.109	0.058	0.357	25.68	1000.55	1
47086_086	47086	7086	12.892	24.311	-0.19	1.232	-24.64	-1001.961	1
47086_087	47086	7087	-10.606	29.259	0.163	-1.267	-27.757	969.372	1
47087_087	47087	7087	12.949	18.284	-0.206	-0.841	-25.689	-981.651	1
47087_088	47087	7088	-10.986	35.79	0.198	0.792	30.22	868.595	1
47088_088	47088	7088	12.352	19.483	-0.186	0.904	-26.091	-852.572	1
47088_089	47088	7089	-11.573	32.805	0.01	-0.94	30.45	722.413	1
47089_089	47089	7089	11.418	15.252	-0.212	-0.714	-27.335	-894.187	1
47089_090	47089	7090	-12.74	40.853	0.089	0.635	31.509	735.871	1
47090_090	47090	7090	9.428	15.888	0.139	0.818	-26.956	-725.021	1
47090_091	47090	7091	-13.715	37.237	-0.11	-0.698	30.342	525.872	1
47091_091	47091	7091	6.868	9.323	0.066	0.135	-22.746	-574.153	1
47091_092	47091	7092	-15.218	44.063	-0.136	-0.333	27.996	268.993	1
47092_092	47092	7092	4.508	6.492	0.044	0.469	-19.968	-384.606	1
47092_093	47092	7093	-16.158	46.881	0.246	-0.399	29.529	40.55	1
47093_093	47093	7093	-4.089	3.618	0.007	-0.67	-0.538	-166.98	1
47093_094	47093	7094	-17.018	54.638	0.223	-0.723	30.473	-298.611	1
47094_094	47094	7094	-21.31	50.594	-0.342	0.579	-7.414	129.546	1
47094_095	47094	7095	44.148	7.929	-0.262	-0.975	30.677	350.067	1
47095_095	47095	7095	-18.619	45.188	-0.415	0.283	-6.903	-138.25	1
47095_096	47095	7096	39.587	11.46	-0.181	-0.565	25.726	449.18	1
47096_096	47096	7096	-16.619	39.785	-0.474	-0.195	-6.981	-279.598	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47096_7097	47096	7097	35.823	15.14	-0.124	0.238	22.411	502.598	1
47097_7097	47097	7097	-15.294	39.538	0.099	0.91	-7.902	-380.669	1
47097_7098	47097	7098	31.554	15.267	-0.421	-1.275	17.379	559.138	1
47098_7098	47098	7098	-14.625	34.033	0.045	0.008	-4.807	-487.179	1
47098_7099	47098	7099	27.366	19.282	-0.408	-0.443	12.62	593.817	1
47099_7099	47099	7099	-14.631	28.911	-0.013	-0.801	-2.681	-549.246	1
47099_7100	47099	7100	23.386	23.887	-0.381	0.535	8.381	595.958	1
47100_7100	47100	7100	-15.074	32.966	-0.151	-0.151	-1.899	-621.863	1
47100_7101	47100	7101	20.186	21.797	-0.365	-0.587	5.382	664.557	1
47101_7101	47101	7101	-15.881	28.964	-0.197	-1.638	-2.35	-658.731	1
47101_7102	47101	7102	18.22	25.211	-0.328	0.884	3.136	669.795	1
47102_7102	47102	7102	-17.08	25.174	-0.324	0.854	-3.488	-671.266	1
47102_7103	47102	7103	16.742	29.002	-0.199	-1.599	2.073	657.345	1
47103_7103	47103	7103	-18.776	21.762	-0.366	-0.54	-5.794	-666.173	1
47103_7104	47103	7104	15.653	33.006	-0.153	-0.199	1.684	620.61	1
47104_7104	47104	7104	-21.625	23.843	-0.393	0.227	-8.936	-597.867	1
47104_7105	47104	7105	14.926	28.917	-0.008	-0.646	2.585	548.306	1
47105_7105	47105	7105	-25.267	19.233	-0.423	-0.776	-13.415	-595.796	1
47105_7106	47105	7106	14.54	34.046	0.053	0.235	4.897	486.618	1
47106_7106	47106	7106	-29.131	15.215	-0.478	-0.774	-18.436	-561.092	1
47106_7107	47106	7107	14.829	39.558	0.129	0.303	8.375	380.372	1
47107_7107	47107	7107	-33.098	15.102	-0.084	-0.309	-24.125	-504.534	1
47107_7108	47107	7108	15.774	39.756	-0.491	0.073	7.491	279.87	1
47108_7108	47108	7108	-36.586	11.405	-0.189	-0.349	-27.298	-450.811	1
47108_7109	47108	7109	17.417	45.169	-0.409	0.079	7.622	138.526	1
47109_7109	47109	7109	-40.826	7.868	-0.27	-0.862	-32.522	-351.29	1
47109_7110	47109	7110	19.763	50.594	-0.337	0.404	8.344	-128.51	1
47110_7110	47110	7110	19.17	53.765	0.247	-0.728	-33.307	276.05	1
47110_7111	47110	7111	5.917	2.34	0.027	-0.471	-1.208	125.613	1
47111_7111	47111	7111	18.511	45.877	0.267	-0.345	-32.52	-51.128	1
47111_7112	47111	7112	-5.955	6.832	0.026	0.452	21.108	391.589	1
47112_7112	47112	7112	17.71	43.033	-0.019	-0.445	-31.081	-264.747	1
47112_7113	47112	7113	-8.602	9.695	0.012	0.212	23.553	575.339	1
47113_7113	47113	7113	16.258	36.113	0.014	-0.531	-32.145	-503.522	1
47113_7114	47113	7114	-11.436	16.353	0.067	0.632	27.054	716.418	1
47114_7114	47114	7114	15.286	39.776	0.141	-0.188	-31.904	-697.116	1
47114_7115	47114	7115	-13.65	15.667	-0.237	-0.026	27.164	875.487	1
47115_7115	47115	7115	13.983	31.252	0.106	-0.483	-30.485	-659.573	1
47115_7116	47115	7116	-14.725	19.967	-0.22	0.3	25.345	808.76	1
47116_7116	47116	7116	13.236	34.463	0.261	0.269	-28.631	-802.709	1
47116_7117	47116	7117	-15.476	18.671	-0.27	-0.43	24.212	930.789	1
47117_7117	47117	7117	12.671	27.725	0.232	-0.693	-25.231	-891.129	1
47117_7118	47117	7118	-15.442	24.876	-0.268	0.562	22.151	934.173	1
47118_7118	47118	7118	12.376	31.708	0.122	-0.107	-22.18	-908.171	1
47118_7119	47118	7119	-14.902	21.131	-0.149	-0.137	20.995	982.257	1
47119_7119	47119	7119	12.397	25.024	0.11	-0.153	-20.313	-963.09	1
47119_7120	47119	7120	-14.166	27.532	-0.147	-0.092	19.643	964.469	1
47120_7120	47120	7120	12.789	28.786	0.084	1.047	-18.553	-929.462	1
47120_7121	47120	7121	-13.404	23.313	-0.138	-1.058	18.113	971.633	1
47121_7121	47121	7121	13.518	21.759	0.047	-0.862	-17.074	-953.851	1
47121_7122	47121	7122	-12.746	30.348	-0.106	0.872	16.914	921.489	1
47122_7122	47122	7122	14.406	26.005	0.033	0.63	-16.12	-921.712	1
47122_7123	47122	7123	-12.386	26.55	-0.086	-0.784	16.037	931.012	1
47123_7123	47123	7123	15.334	19.58	0.008	-0.384	-15.39	-915.985	1
47123_7124	47123	7124	-12.382	33.23	-0.062	0.232	15.445	852.428	1
47124_7124	47124	7124	16.071	23.237	-0.048	1.105	-14.9	-845.689	1
47124_7125	47124	7125	-12.705	29.269	0.004	-1.17	15.644	811.289	1
47125_7125	47125	7125	16.223	17.064	-0.08	-0.685	-14.898	-823.217	1
47125_7126	47125	7126	-13.328	36.014	0.045	0.603	16.381	699.311	1
47126_7126	47126	7126	15.583	18.493	-0.152	0.57	-14.841	-694.897	1
47126_7127	47126	7127	-14.181	32.857	-0.059	-0.705	15.832	541.928	1
47127_7127	47127	7127	14.549	14.208	-0.178	-0.382	-16.361	-733.439	1
47127_7128	47127	7128	-15.688	41.191	0.024	0.245	16.805	544.001	1
47128_7128	47128	7128	12.259	15.339	0.004	0.862	-16.885	-576.047	1
47128_7129	47128	7129	-16.829	37.274	0.032	-0.663	17.807	330.345	1
47129_7129	47129	7129	9.232	8.756	-0.104	-0.084	-15.717	-446.11	1
47129_7130	47129	7130	-18.485	44.115	0.012	-0.039	18.275	77.338	1
47130_7130	47130	7130	6.45	5.521	0.822	0.28	-16.992	-271.679	1
47130_7131	47130	7131	-19.459	47.236	-0.586	-0.4	10.348	-149.544	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47131_7131	47131	7131	-4.695	3.931	-0.209	-0.385	-10.014	-237.341	1
47131_7132	47131	7132	-20.566	54.951	-0.596	-0.642	2.749	-438.377	1
47132_7132	47132	7132	-22.202	51.172	-0.934	-0.603	9.083	251.629	1
47132_7133	47132	7133	48.715	5.838	0.42	-0.009	11.665	247.215	1
47133_7133	47133	7133	-18.98	45.448	-1.019	-0.222	1.498	-75.081	1
47133_7134	47133	7134	43.111	9.767	0.572	-0.32	14.164	379.339	1
47134_7134	47134	7134	-16.48	39.717	-1.106	0.399	-4.719	-226.582	1
47134_7135	47134	7135	38.782	13.622	0.756	-1.487	18.979	442.099	1
47135_7135	47135	7135	-14.665	39.134	0.293	0.518	-11.48	-335.539	1
47135_7136	47135	7136	33.936	14.278	-0.524	-0.886	14.26	503.666	1
47136_7136	47136	7136	-13.529	33.356	0.245	-0.312	-7.549	-446.302	1
47136_7137	47136	7137	29.162	18.499	-0.526	-0.097	9.502	543.313	1
47137_7137	47137	7137	-13.09	28.002	0.171	-0.334	-4.436	-509.945	1
47137_7138	47137	7138	24.612	23.308	-0.482	-0.045	5.294	546.464	1
47138_7138	47138	7138	-13.214	32.57	-0.14	0.817	-2.557	-580.075	1
47138_7139	47138	7139	20.852	20.809	-0.219	-1.146	3.829	616.715	1
47139_7139	47139	7139	-13.727	28.365	-0.17	-0.487	-3.188	-619.81	1
47139_7140	47139	7140	18.486	24.369	-0.203	0.011	2.646	624.527	1
47140_7140	47140	7140	-14.662	24.392	-0.219	-0.504	-4.279	-633.398	1
47140_7141	47140	7141	16.625	28.336	-0.151	0.067	2.075	613.331	1
47141_7141	47141	7141	-16.126	20.823	-0.265	-0.521	-5.915	-627.837	1
47141_7142	47141	7142	15.169	32.535	-0.097	0.137	2.117	576.065	1
47142_7142	47142	7142	-18.709	23.142	-0.271	0.347	-8.117	-560.501	1
47142_7143	47142	7143	14.083	28.208	0.003	-0.614	3.047	506.361	1
47143_7143	47143	7143	-22.117	18.33	-0.286	-0.583	-11.097	-558.255	1
47143_7144	47143	7144	13.237	33.57	0.039	0.187	4.895	443.839	1
47144_7144	47144	7144	-25.76	14.128	-0.32	-0.588	-14.336	-520.299	1
47144_7145	47144	7145	13.092	39.35	0.09	0.255	7.508	333.808	1
47145_7145	47145	7145	-29.539	13.989	0.121	-0.602	-17.899	-459.107	1
47145_7146	47145	7146	13.654	39.776	-0.548	0.25	5.396	227.945	1
47146_7146	47146	7146	-32.853	10.149	-0.01	0.044	-18.513	-400.637	1
47146_7147	47146	7147	14.959	45.419	-0.478	-0.16	3.953	80.14	1
47147_7147	47147	7147	-36.863	6.477	-0.079	-0.524	-21.11	-289.799	1
47147_7148	47147	7148	17.027	51.047	-0.438	0.072	2.46	-197.067	1
47148_7148	47148	7148	30.171	53.12	0.205	-0.562	-21.83	371.377	1
47148_7149	47148	7149	14.234	2.74	-0.017	-0.37	1.43	201.607	1
47149_7149	47149	7149	30.818	45.393	0.225	-0.189	-20.464	62.932	1
47149_7150	47149	7150	-12.461	6.932	0.091	0.168	15.266	327.295	1
47150_7150	47150	7150	31.155	42.475	-0.127	-0.326	-18.83	-135.551	1
47150_7151	47150	7151	-16.698	9.883	0.082	0.101	16.863	493.97	1
47151_7151	47151	7151	30.527	35.789	-0.092	-0.293	-20.671	-355.732	1
47151_7152	47151	7152	-21.227	16.365	0.169	0.295	20.318	612.188	1
47152_7152	47152	7152	30.043	39.258	0.113	-0.81	-21.196	-545.092	1
47152_7153	47152	7153	-24.797	15.633	-0.263	0.499	19.389	754.935	1
47153_7153	47153	7153	29.427	30.74	0.101	-0.016	-19.555	-505.726	1
47153_7154	47153	7154	-26.734	19.902	-0.271	-0.409	16.343	679.587	1
47154_7154	47154	7154	29.138	33.457	0.073	-0.15	-17.647	-642.269	1
47154_7155	47154	7155	-28.73	18.827	-0.145	-0.147	16.005	782.527	1
47155_7155	47155	7155	28.98	26.608	0.05	-0.211	-16.394	-720.855	1
47155_7156	47155	7156	-29.53	25.1	-0.135	-0.096	15.168	771.833	1
47156_7156	47156	7156	29.022	30.361	-0.013	-0.631	-15.471	-754.912	1
47156_7157	47156	7157	-29.662	22.114	-0.065	0.218	15.094	820.723	1
47157_7157	47157	7157	29.218	24.241	-0.001	0.243	-15.274	-798.345	1
47157_7158	47157	7158	-29.527	28.082	-0.079	-0.68	14.696	791.847	1
47158_7158	47158	7158	29.478	28.046	-0.063	-0.598	-14.978	-786.92	1
47158_7159	47158	7159	-29.26	24.368	-0.01	0.166	15.001	799.789	1
47159_7159	47159	7159	29.625	22.073	-0.046	0.295	-15.285	-814.255	1
47159_7160	47159	7160	-29.044	30.462	-0.024	-0.722	15.157	754.258	1
47160_7160	47160	7160	29.524	25.09	-0.188	-0.522	-15.313	-763.103	1
47160_7161	47160	7161	-28.977	26.843	0.089	0.08	16.55	716.491	1
47161_7161	47161	7161	28.771	18.817	-0.17	0.246	-16.792	-771.752	1
47161_7162	47161	7162	-29.107	33.627	0.09	-0.647	18.147	635.356	1
47162_7162	47162	7162	26.843	19.742	-0.235	0.314	-17.426	-665.826	1
47162_7163	47162	7163	-29.379	31.135	0.057	-0.438	19.657	493.284	1
47163_7163	47163	7163	24.942	15.489	-0.283	-0.36	-20.008	-736.255	1
47163_7164	47163	7164	-30.002	39.575	0.124	0.169	21.596	528.797	1
47164_7164	47164	7164	21.411	16.031	0.203	0.222	-21.118	-590.198	1
47164_7165	47164	7165	-30.51	36.428	-0.13	-0.265	20.69	332.223	1
47165_7165	47165	7165	16.904	9.645	0.12	0.218	-17.342	-466.612	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47165_7166	47165	7166	-31.187	43.066	-0.17	-0.459	18.371	102.736	1
47166_7166	47166	7166	12.636	6.685	0.119	0.188	-15.251	-298.33	1
47166_7167	47166	7167	-30.934	46.268	0.226	-0.191	20.185	-106.486	1
47167_7167	47167	7167	-14.501	3.228	0.017	-0.401	-2.701	-240.365	1
47167_7168	47167	7168	-30.337	53.855	0.201	-0.596	21.511	-421.739	1
47168_7168	47168	7168	-19.106	51.791	-0.42	0.217	-2.629	209.829	1
47168_7169	47168	7169	40.391	6.62	-0.117	-0.624	21.267	287.122	1
47169_7169	47169	7169	-16.741	46.318	-0.464	0.025	-3.872	-73.578	1
47169_7170	47169	7170	36.175	10.164	-0.044	-0.125	18.379	400.352	1
47170_7170	47170	7170	-15.152	40.805	-0.517	0.052	-5.168	-227.145	1
47170_7171	47170	7171	32.65	13.859	0.054	-0.112	17.272	460.989	1
47171_7171	47171	7171	-14.343	40.054	0.043	-0.269	-7.07	-340.025	1
47171_7172	47171	7172	28.63	14.152	-0.339	-0.158	13.616	523.811	1
47172_7172	47172	7172	-14.256	34.361	-0.034	0.402	-4.901	-455.108	1
47172_7173	47172	7173	24.706	18.238	-0.26	-0.894	10.735	564.871	1
47173_7173	47173	7173	-14.912	29.04	-0.075	-0.49	-3.761	-523.274	1
47173_7174	47173	7174	20.996	22.917	-0.239	0.072	8.219	572.211	1
47174_7174	47174	7174	-15.882	32.802	-0.123	-0.486	-3.59	-598.532	1
47174_7175	47174	7175	18.101	21.088	-0.308	0.005	6.039	642.121	1
47175_7175	47175	7175	-17.248	28.672	-0.214	0.731	-3.842	-636.367	1
47175_7176	47175	7176	16.41	24.607	-0.226	-1.187	4.624	649.422	1
47176_7176	47176	7176	-19.04	24.76	-0.244	-0.611	-4.988	-648.529	1
47176_7177	47176	7177	15.257	28.51	-0.193	0.111	3.678	638.025	1
47177_7177	47177	7177	-21.354	21.232	-0.298	-0.609	-6.613	-641.901	1
47177_7178	47177	7178	14.541	32.634	-0.129	0.159	3.475	601.012	1
47178_7178	47178	7178	-25.051	23.073	-0.203	-0.612	-8.867	-572.356	1
47178_7179	47178	7179	14.224	28.989	-0.082	0.116	3.72	525.871	1
47179_7179	47179	7179	-29.525	18.401	-0.289	0.208	-11.132	-565.865	1
47179_7180	47179	7180	14.45	34.29	-0.009	-0.625	5.171	458.141	1
47180_7180	47180	7180	-34.186	14.313	-0.297	-0.661	-14.353	-525.667	1
47180_7181	47180	7181	15.416	39.96	0.029	0.221	7.282	343.792	1
47181_7181	47181	7181	-38.912	13.981	0.083	-0.42	-17.705	-463.504	1
47181_7182	47181	7182	17.111	40.841	-0.537	-0.032	5.292	230.699	1
47182_7182	47182	7182	-43.083	10.302	-0.018	-0.508	-18.603	-403.357	1
47182_7183	47182	7183	19.525	46.324	-0.48	0.072	3.884	77.382	1
47183_7183	47183	7183	-48.026	6.762	-0.178	-0.173	-21.216	-290.887	1
47183_7184	47183	7184	22.688	51.763	-0.382	-0.201	3.037	-205.009	1
47184_7184	47184	7184	23.886	55.553	0.182	-0.802	-22.267	457.851	1
47184_7185	47184	7185	5.834	3.479	-0.049	-0.234	2.424	174.437	1
47185_7185	47185	7185	23.857	48.102	0.235	-0.256	-21.296	120.932	1
47185_7186	47185	7186	-8.477	6.108	0.104	-0.123	16.077	293.381	1
47186_7186	47186	7186	23.56	44.721	-0.205	-0.876	-19.309	-114.707	1
47186_7187	47186	7187	-11.84	9.091	0.147	0.513	18.641	471.616	1
47187_7187	47187	7187	22.501	38.046	-0.14	0.052	-22.287	-372.896	1
47187_7188	47187	7188	-15.49	15.349	0.206	-0.385	22.358	612.058	1
47188_7188	47188	7188	21.775	40.717	0.026	-0.808	-23.439	-591.474	1
47188_7189	47188	7189	-18.331	15.125	-0.188	0.453	22.136	771.738	1
47189_7189	47189	7189	20.901	32.375	0.012	0.038	-22.412	-565.472	1
47189_7190	47189	7190	-19.819	19.313	-0.181	-0.508	20.38	714.512	1
47190_7190	47190	7190	20.472	34.457	0.046	-0.181	-21.5	-721.961	1
47190_7191	47190	7191	-21.184	18.899	-0.175	-0.197	19.951	836.587	1
47191_7191	47191	7191	20.207	27.853	0.012	-0.26	-20.434	-808.117	1
47191_7192	47191	7192	-21.578	25.005	-0.154	-0.137	19.079	841.404	1
47192_7192	47192	7192	20.162	31.088	-0.117	-0.161	-19.834	-851.349	1
47192_7193	47192	7193	-21.413	22.604	0.001	-0.234	19.909	900.652	1
47193_7193	47193	7193	20.275	25.213	-0.138	-0.24	-20.598	-896.486	1
47193_7194	47193	7194	-21.075	28.381	0.026	-0.161	20.846	880.372	1
47194_7194	47194	7194	20.456	28.47	-0.122	0.508	-21.348	-888.714	1
47194_7195	47194	7195	-20.66	25.217	0.001	-0.765	21.643	891.308	1
47195_7195	47195	7195	20.538	22.755	-0.165	-0.614	-22.021	-913.905	1
47195_7196	47195	7196	-20.332	31.098	0.049	0.329	22.77	848.6	1
47196_7196	47196	7196	20.422	25.18	-0.281	0.011	-22.776	-861.538	1
47196_7197	47196	7197	-20.171	28.063	0.129	-0.352	24.973	806.197	1
47197_7197	47197	7197	19.799	19.186	-0.297	-0.059	-24.821	-863.527	1
47197_7198	47197	7198	-20.208	34.63	0.17	-0.289	27.687	722.056	1
47198_7198	47198	7198	18.255	19.655	-0.204	0.432	-26.093	-750.525	1
47198_7199	47198	7199	-20.391	32.771	0.098	-0.57	30.052	566.162	1
47199_7199	47199	7199	16.743	15.571	-0.25	-0.307	-27.715	-816.239	1
47199_7200	47199	7200	-20.913	40.965	0.129	0.059	31.764	602.611	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47200_7200	47200	7200	14.007	15.554	0.164	-0.37	-27.713	-660.82	1
47200_7201	47200	7201	-21.427	38.766	-0.034	-0.023	31.573	384.626	1
47201_7201	47201	7201	10.635	9.492	0.13	0.833	-23.366	-520.864	1
47201_7202	47201	7202	-22.218	45.309	-0.111	-1.312	29.127	132.524	1
47202_7202	47202	7202	7.583	6.588	0.059	-0.025	-19.561	-341.637	1
47202_7203	47202	7203	-22.319	48.843	0.274	-0.391	30.565	-95.251	1
47203_7203	47203	7203	-6.091	3.199	-0.016	-0.367	-0.707	-171.545	1
47203_7204	47203	7204	-22.263	56.03	0.227	-1.166	30.849	-421.543	1
47204_7204	47204	7204	-23.118	52.442	-0.314	-0.012	-5.601	179.403	1
47204_7205	47204	7205	48.102	7.953	-0.305	-0.469	29.113	330.654	1
47205_7205	47205	7205	-20.089	47.43	-0.434	0.319	-4.698	-102.113	1
47205_7206	47205	7206	43.154	11.284	-0.135	-0.873	24.406	445.948	1
47206_7206	47206	7206	-17.844	42.344	-0.486	-0.236	-4.811	-255.581	1
47206_7207	47206	7207	38.984	14.677	-0.074	-0.046	21.365	504.012	1
47207_7207	47207	7207	-16.389	41.162	-0.096	-0.36	-5.663	-372.781	1
47207_7208	47207	7208	34.339	15.138	-0.374	-0.348	16.556	563.426	1
47208_7208	47208	7208	-15.701	35.822	-0.179	-0.484	-4.077	-490.557	1
47208_7209	47208	7209	29.771	18.938	-0.291	-0.195	12.797	603.613	1
47209_7209	47209	7209	-15.807	30.769	-0.274	0.214	-3.687	-565.216	1
47209_7210	47209	7210	25.417	23.263	-0.172	-1.014	10.521	614.165	1
47210_7210	47210	7210	-16.401	33.495	-0.18	-0.583	-4.962	-650.433	1
47210_7211	47210	7211	21.846	22.181	-0.43	-0.156	7.473	685.192	1
47211_7211	47211	7211	-17.409	29.615	-0.266	-0.698	-5.591	-688.877	1
47211_7212	47211	7212	19.645	25.508	-0.353	-0.014	5.377	692.654	1
47212_7212	47212	7212	-18.858	25.924	-0.379	0.544	-7.179	-703.537	1
47212_7213	47212	7213	17.988	29.175	-0.241	-1.28	4.377	683.262	1
47213_7213	47213	7213	-20.836	22.569	-0.425	-0.884	-9.888	-700.999	1
47213_7214	47213	7214	16.783	33.037	-0.186	0.184	4.136	650.357	1
47214_7214	47214	7214	-24.091	23.594	-0.225	-0.598	-13.438	-635.078	1
47214_7215	47214	7215	16.005	30.476	-0.288	-0.043	3.234	570.354	1
47215_7215	47215	7215	-28.096	19.251	-0.307	-0.717	-16.65	-629.812	1
47215_7216	47215	7216	15.652	35.506	-0.207	0.115	4.012	502.1	1
47216_7216	47216	7216	-32.297	15.421	-0.418	0.026	-20.865	-594.258	1
47216_7217	47216	7217	16.092	40.827	-0.099	-0.601	6.281	390.836	1
47217_7217	47217	7217	-36.577	14.827	-0.054	1.299	-26.392	-538.494	1
47217_7218	47217	7218	17.296	42.224	-0.306	0.163	7.634	278.168	1
47218_7218	47218	7218	-40.357	11.421	-0.134	1.524	-29.498	-482.449	1
47218_7219	47218	7219	19.272	47.298	-0.29	-0.394	9.092	128.854	1
47219_7219	47219	7219	-44.808	8.06	0.122	-2.743	-34.667	-372.612	1
47219_7220	47219	7220	21.999	52.296	-0.488	2.108	8.142	-147.016	1
47220_7220	47220	7220	24.172	56.152	0.271	-0.29	-36.207	321.823	1
47220_7221	47220	7221	6.659	3.967	0.068	-0.841	-11.856	127.766	1
47221_7221	47221	7221	24.867	49.304	0.302	-0.128	-34.67	-14.326	1
47221_7222	47221	7222	-8.061	7.129	0.12	0.732	24.429	406.449	1
47222_7222	47222	7222	25.462	45.769	-0.229	0.485	-31.234	-258.771	1
47222_7223	47222	7223	-11.516	10.123	0.085	-0.294	28.15	590.812	1
47223_7223	47223	7223	25.345	39.538	-0.248	-0.588	-33.94	-522.273	1
47223_7224	47223	7224	-15.451	15.932	0.208	1.2	33.389	742.563	1
47224_7224	47224	7224	25.261	41.484	0.168	2.34	-36.088	-751.517	1
47224_7225	47224	7225	-18.739	16.244	-0.301	-2.02	32.904	910.834	1
47225_7225	47225	7225	25.388	32.967	0.038	-0.886	-33.019	-699.521	1
47225_7226	47225	7226	-20.647	20.127	-0.218	1.359	30.885	833.18	1
47226_7226	47226	7226	25.539	33.934	0.234	2.336	-31.144	-879.564	1
47226_7227	47226	7227	-23.072	21.122	-0.347	-2	28.633	966.841	1
47227_7227	47227	7227	25.542	27.46	0.114	-1.59	-27.143	-956.715	1
47227_7228	47227	7228	-24.305	27.202	-0.26	1.92	26.476	961.187	1
47228_7228	47228	7228	25.35	28.79	0.106	3.045	-24.566	-962.571	1
47228_7229	47228	7229	-24.964	26.073	-0.2	-2.578	24.688	974.381	1
47229_7229	47229	7229	24.833	22.569	-0.017	-1.912	-22.036	-980.794	1
47229_7230	47229	7230	-25.344	32.45	-0.079	2.327	24.072	914.809	1
47230_7230	47230	7230	23.744	23.316	-0.216	2.83	-20.679	-928.1	1
47230_7231	47230	7231	-25.528	31.475	-0.027	-2.218	23.919	847.756	1
47231_7231	47231	7231	21.987	17.425	-0.331	-1.509	-21.778	-900.546	1
47231_7232	47231	7232	-25.569	38.347	0.127	1.933	25.9	714.58	1
47232_7232	47232	7232	21.456	21.604	0.474	2.912	-25.381	-1027.057	1
47232_7233	47232	7233	-25.377	39.14	-0.626	-2.27	24.926	926.262	1
47233_7233	47233	7233	20.211	18.736	0.379	1.381	-23.138	-936.945	1
47233_7234	47233	7234	-25.521	40.698	-0.592	-1.029	21.581	776.12	1
47234_7234	47234	7234	18.241	15.014	0.25	0.294	-20.099	-833.175	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47234_7235	47234	7235	-25.747	43.834	-0.564	-0.153	17.078	588.178	1
47235_7235	47235	7235	16.762	12.795	0.145	-0.828	-18.016	-811.622	1
47235_7236	47235	7236	-25.766	48.392	-0.516	0.918	14.379	562.493	1
47236_7236	47236	7236	13.574	10.948	0.508	1.121	-17.652	-625.923	1
47236_7237	47236	7237	-25.72	47.667	-0.127	-0.659	13.233	242.252	1
47237_7237	47237	7237	11.074	7.583	0.514	-0.511	-11.469	-510.969	1
47237_7238	47237	7238	-25.574	53.234	-0.126	0.381	12.109	64.486	1
47238_7238	47238	7238	8.132	13.673	-0.986	-0.428	-5.508	-362.531	1
47238_7239	47238	7239	-24.304	45.133	1.086	0.49	21.297	-48.708	1
47239_7239	47239	7239	5.94	9.418	-0.894	-1.504	-12.668	-245.523	1
47239_7240	47239	7240	-22.81	50.227	1.167	0.897	32.758	-257.119	1
47240_7240	47240	7240	-29.983	45.254	0.15	2.643	-18.923	-99.638	1
47240_7241	47240	7241	50.386	13.571	-0.809	-2.868	33.046	480.611	1
47241_7241	47241	7241	-27.211	40.085	0.103	1.25	-13.872	-191.327	1
47241_7242	47241	7242	46.9	17.108	-0.881	-1.08	23.529	509.495	1
47242_7242	47242	7242	-25.368	35.263	0.023	0.545	-10.182	-294.672	1
47242_7243	47242	7243	42.916	21.622	-0.834	0.168	15.265	526.407	1
47243_7243	47243	7243	-24.308	42.273	0.204	1.28	-7.413	-314.601	1
47243_7244	47243	7244	38.875	14.999	-0.251	-1.42	12.328	560.161	1
47244_7244	47244	7244	-24.398	36.241	0.15	-0.301	-3.669	-490.702	1
47244_7245	47244	7245	33.962	19.395	-0.39	0.21	7.307	614.275	1
47245_7245	47245	7245	-25.665	33.067	-0.402	1.093	-1.879	-562.77	1
47245_7246	47245	7246	29.937	21.618	0.171	-0.987	7.515	628.17	1
47246_7246	47246	7246	-27.849	27.577	-0.349	-0.921	-5.962	-655.152	1
47246_7247	47246	7247	26.686	27.115	0.175	0.993	8.562	647.213	1
47247_7247	47247	7247	-31.07	25.995	-0.059	1.863	-9.34	-663.883	1
47247_7248	47247	7248	24.958	28.76	-0.336	-1.497	5.557	629.192	1
47248_7248	47248	7248	-35.626	20.715	-0.026	-1.386	-11.24	-649.692	1
47248_7249	47248	7249	24.23	34.363	-0.371	1.59	2.565	534.857	1
47249_7249	47249	7249	-40.645	18.567	-0.888	0.741	-13.972	-620.438	1
47249_7250	47249	7250	24.6	37.505	0.204	-0.494	6.244	436.101	1
47250_7250	47250	7250	-45.421	14.441	-0.77	-1.132	-25.407	-579.643	1
47250_7251	47250	7251	26.131	43.789	0.363	1.093	13.82	285.5	1
47251_7251	47251	7251	-49.142	21.755	0.468	1.823	-34.386	-540.95	1
47251_7252	47251	7252	28.712	36.636	-0.321	-0.376	16.841	270.107	1
47252_7252	47252	7252	-53.229	16.996	0.628	-0.771	-32.795	-500.86	1
47252_7253	47252	7253	31.587	40.934	-0.565	1.092	14.461	121.291	1
47253_7253	47253	7253	19.256	43.587	0.665	-2.393	-26.636	35.927	1
47253_7254	47253	7254	-3.863	17.365	-0.676	0.843	12.741	309.069	1
47254_7254	47254	7254	21.2	48.274	-1.035	-0.236	-24.189	100.83	1
47254_7255	47254	7255	-6.224	9.471	0.605	-0.063	21.326	378.05	1
47255_7255	47255	7255	21.678	43.122	-1.091	-0.196	-37.604	-132.981	1
47255_7256	47255	7256	-8.47	14.326	0.79	0.737	33.371	510.221	1
47256_7256	47256	7256	22.78	51.642	0.515	0.76	-49.231	-271.917	1
47256_7257	47256	7257	-11.118	9.593	-0.362	-0.699	34.453	659.423	1
47257_7257	47257	7257	22.824	48.054	0.467	-0.145	-44.452	-525.381	1
47257_7258	47257	7258	-13.32	12.935	-0.39	0.39	34.848	795.31	1
47258_7258	47258	7258	23.004	45.441	0.434	-0.592	-40.936	-715.18	1
47258_7259	47258	7259	-14.944	15.873	-0.424	1.13	34.367	898.54	1
47259_7259	47259	7259	23.494	45.191	0.247	2.633	-38.587	-717.249	1
47259_7260	47259	7260	-16.157	14.71	-0.222	-2.191	33.59	919.186	1
47260_7260	47260	7260	24.081	40.345	0.174	-0.092	-36.132	-820.424	1
47260_7261	47260	7261	-17.754	17.949	-0.185	0.459	33.264	972.137	1
47261_7261	47261	7261	24.838	35.894	0.158	-1.07	-33.743	-941.849	1
47261_7262	47261	7262	-19.292	22.148	-0.175	1.67	32.903	1027.939	1
47262_7262	47262	7262	25.803	35.558	0.352	1.744	-31.053	-912.797	1
47262_7263	47262	7263	-20.6	20.642	-0.332	-1.397	29.609	1007.834	1
47263_7263	47263	7263	26.568	29.327	0.298	-0.746	-25.044	-1005.759	1
47263_7264	47263	7264	-22.207	26.455	-0.307	1.058	26.388	1021.585	1
47264_7264	47264	7264	27.038	29.611	0.064	2.842	-19.637	-1021.391	1
47264_7265	47264	7265	-23.535	26.213	-0.179	-2.316	23.8	1030.082	1
47265_7265	47265	7265	27.051	23.768	-0.041	-1.568	-16.863	-1054.166	1
47265_7266	47265	7266	-24.69	32.48	-0.072	2.042	22.43	991.673	1
47266_7266	47266	7266	26.441	24.02	0.09	2.621	-15.151	-1016.913	1
47266_7267	47266	7267	-25.668	32.357	-0.297	-2.072	18.438	936.622	1
47267_7267	47267	7267	25.119	18.541	-0.03	-0.836	-12.28	-984.64	1
47267_7268	47267	7268	-26.481	38.638	-0.195	1.229	15.585	812.037	1
47268_7268	47268	7268	24.546	21.558	0.9	4.343	-12.162	-1087.131	1
47268_7269	47268	7269	-27.036	39.666	-0.97	-3.426	11.42	979.244	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47269_7269	47269	7269	22.527	17.174	0.755	1.729	-7.561	-918.475	1
47269_7270	47269	7270	-27.504	41.573	-0.928	-1.247	2.203	697.334	1
47270_7270	47270	7270	19.931	13.166	0.584	-0.686	0.036	-817.038	1
47270_7271	47270	7271	-28.24	46.518	-0.89	0.985	-7.685	512.112	1
47271_7271	47271	7271	16.402	11.127	0.93	2.384	4.5	-648.397	1
47271_7272	47271	7272	-28.83	48.091	-1.363	-1.578	-25.091	241.831	1
47272_7272	47272	7272	12.869	7.126	0.602	-0.594	11.533	-479.453	1
47272_7273	47272	7273	-28.999	53.944	-1.258	0.85	-40.155	-49.031	1
47273_7273	47273	7273	10.177	17.498	-2.911	0.222	15.535	-431.126	1
47273_7274	47273	7274	-26.736	44.606	5.711	-2.254	-6.388	110.823	1
47274_7274	47274	7274	8.037	14.212	-2.242	-1.257	-2.067	-332.356	1
47274_7275	47274	7275	-26.39	47.033	5.539	-1.452	38.785	-71.719	1
47275_7275	47275	7275	-30.463	38.036	-1.664	0.378	-14.678	-271.806	1
47275_7276	47275	7276	48.788	22.444	3.564	5.086	54.299	561.934	1
47276_7276	47276	7276	-28.969	44.423	0.505	1.649	-20.191	-345.349	1
47276_7277	47276	7277	46.39	15.629	-1.516	-1.915	45.444	621.485	1
47277_7277	47277	7277	-26.555	38.053	0.253	0.732	-10.121	-228.24	1
47277_7278	47277	7278	44.543	17.53	-1.514	-0.723	27.949	545.538	1
47278_7278	47278	7278	-25.504	32.476	0.064	-0.566	-3.037	-349.844	1
47278_7279	47278	7279	40.049	22.839	-1.4	1.251	11.384	563.141	1
47279_7279	47279	7279	-25.668	34.721	-0.443	1.643	0.361	-337.136	1
47279_7280	47279	7280	35.775	19.203	0.445	-1.77	15.088	544.588	1
47280_7280	47280	7280	-27.654	27.257	-0.311	-0.932	-1.853	-421.053	1
47280_7281	47280	7281	30.822	25.096	0.316	1.163	16.78	504.638	1
47281_7281	47281	7281	-31.483	27.475	-0.064	0.967	-2.226	-423.425	1
47281_7282	47281	7282	27.2	24.764	-0.417	-0.762	9.385	468.554	1
47282_7282	47282	7282	-36.517	21.363	-0.064	-0.816	-1.332	-481.478	1
47282_7283	47282	7283	25.501	32.182	-0.378	1.057	3.728	404.151	1
47283_7283	47283	7283	-42.242	24.595	-0.868	1.39	-1.303	-488.086	1
47283_7284	47283	7284	25.661	28.873	0.016	-0.795	3.817	380.463	1
47284_7284	47284	7284	-47.579	19.588	-0.828	-1.237	-11.567	-539.344	1
47284_7285	47284	7285	27.275	35.445	0.088	1.371	6.334	316.408	1
47285_7285	47285	7285	-51.961	23.815	0.496	1.418	-21.219	-552.524	1
47285_7286	47285	7286	29.881	33.679	-0.246	-0.478	7.465	301.508	1
47286_7286	47286	7286	-55.444	20.078	0.607	0.271	-18.175	-589.248	1
47286_7287	47286	7287	32.963	38.414	-0.356	0.003	7.031	259.761	1
47287_7287	47287	7287	-58.89	16.557	0.751	-1.043	-14.529	-571.563	1
47287_7288	47287	7288	36.359	42.802	-0.491	0.889	4.518	147.989	1
47288_7288	47288	7288	8.497	48.693	-0.634	0.255	-6.848	27.675	1
47288_7289	47288	7289	-1.559	9.203	0.504	0.069	7.711	319.57	1
47289_7289	47289	7289	7.597	42.792	-0.62	-0.89	-15.732	-273.522	1
47289_7290	47289	7290	-1.942	14.463	0.602	1.619	16.441	491.34	1
47290_7290	47290	7290	6.994	46.578	-0.158	0.96	-22.912	-529.877	1
47290_7291	47290	7291	-2.837	12.943	-0.07	-0.619	18.19	691.069	1
47291_7291	47291	7291	6.12	41.922	-0.185	0.711	-24.34	-626.414	1
47291_7292	47291	7292	-3.268	16.347	-0.025	-0.424	19.45	757.889	1
47292_7292	47292	7292	5.451	39.745	-0.201	-2.566	-25.848	-864.656	1
47292_7293	47292	7293	-3.783	20.823	0.05	3.204	21.686	913.547	1
47293_7293	47293	7293	5.093	47.171	0.35	2.334	-26.585	-834.644	1
47293_7294	47293	7294	-4.187	13.307	-0.322	-1.751	20.273	941.812	1
47294_7294	47294	7294	4.926	42.307	0.307	0.429	-23.897	-934.694	1
47294_7295	47294	7295	-4.437	16.433	-0.346	-0.09	18.421	1011.146	1
47295_7295	47295	7295	4.919	38.49	0.254	-2.059	-21.273	-1105.026	1
47295_7296	47295	7296	-4.63	20.58	-0.368	2.517	16.746	1120.372	1
47296_7296	47296	7296	4.901	40.033	0.277	2.261	-19.732	-1079.939	1
47296_7297	47296	7297	-4.743	17.625	-0.184	-1.712	15.374	1139.818	1
47297_7297	47297	7297	4.877	34.009	0.281	-1.32	-16.452	-1202.384	1
47297_7298	47297	7298	-4.866	22.872	-0.194	1.698	13.767	1206.412	1
47298_7298	47298	7298	4.849	37.028	0.18	3.613	-12.701	-1272.751	1
47298_7299	47298	7299	-4.921	20.705	-0.195	-2.87	11.773	1313.065	1
47299_7299	47299	7299	4.813	30.605	0.157	-1.93	-9.997	-1326.412	1
47299_7300	47299	7300	-4.923	26.225	-0.179	2.503	9.494	1327.091	1
47300_7300	47300	7300	4.763	33.948	0.219	3.187	-7.344	-1355.858	1
47300_7301	47300	7301	-4.906	23.661	-0.25	-2.663	6.274	1412.321	1
47301_7301	47301	7301	4.678	28.119	0.191	-1.995	-4.136	-1417.788	1
47301_7302	47301	7302	-4.882	29.599	-0.235	2.523	3.258	1429.749	1
47302_7302	47302	7302	4.521	31.257	0.107	3.408	-1.512	-1357.653	1
47302_7303	47302	7303	-4.854	25.958	-0.153	-2.991	1.024	1438.249	1
47303_7303	47303	7303	4.304	25.603	0.081	-2.483	0.043	-1402.835	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47303_7304	47303	7304	-4.818	32.188	-0.127	3.131	-0.608	1450.345	1
47304_7304	47304	7304	3.962	28.472	0.032	3.246	0.964	-1306.687	1
47304_7305	47304	7305	-4.77	28.084	-0.076	-3.088	-1.583	1438.764	1
47305_7305	47305	7305	3.429	21.51	0.009	-1.878	1.18	-1205.438	1
47305_7306	47305	7306	-4.691	33.871	-0.053	2.614	-2.222	1344.607	1
47306_7306	47306	7306	2.688	21.073	-0.032	2.69	1.026	-1019.536	1
47306_7307	47306	7307	-4.549	31.405	0.055	-2.96	-1.392	1291.294	1
47307_7307	47307	7307	1.807	13.3	-0.029	-1.481	0.454	-787.707	1
47307_7308	47307	7308	-4.326	38.024	0.066	2.841	-0.427	1128.951	1
47308_7308	47308	7308	1.142	10.055	0.07	1.464	0.045	-527.738	1
47308_7309	47308	7309	-3.986	38.785	-0.337	-2.308	-4.354	919.044	1
47309_7309	47309	7309	0.66	5.368	0.059	-0.652	0.802	-337.135	1
47309_7310	47309	7310	-3.474	46.886	-0.245	2.057	-6.225	568.874	1
47310_7310	47310	7310	-2.091	2.627	2.332	-0.124	-31.199	26.154	1
47310_7311	47310	7311	-2.748	53.173	0.365	-0.17	0	-17.396	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
7000_7000	7000	7000	-0.666	-3.221	0.15	0.091	0	-2.532	1
7000_7001	7000	7001	42.225	-50.245	0.059	0.042	0.623	324.34	1
7001_7001	7001	7001	-24.934	-5.117	-0.007	-0.01	-0.078	-189.823	1
7001_7002	7001	7002	68.566	-42.834	0.079	0.049	1.574	525.082	1
7002_7002	7002	7002	-40.493	-7.214	0.012	0.012	-0.358	-308.526	1
7002_7003	7002	7003	93.506	-38.921	-0.065	-0.007	1.229	715.107	1
7003_7003	7003	7003	-58.228	-12.428	0.018	-0.068	-0.352	-443.584	1
7003_7004	7003	7004	106.334	-31.597	-0.073	0.138	0.593	812.945	1
7004_7004	7004	7004	-81.203	-14.97	-0.002	0.082	-0.211	-619.348	1
7004_7005	7004	7005	118.013	-33.19	0.001	-0.105	0.778	901.789	1
7005_7005	7005	7005	-101.565	-22.417	-0.003	-0.18	-0.348	-775.158	1
7005_7006	7005	7006	121.485	-27.003	0.001	0.224	0.952	928.263	1
7006_7006	7006	7006	-110.965	-20.789	-0.011	0.097	-0.508	-847.39	1
7006_7007	7006	7007	127.742	-30.582	0.015	-0.103	1.307	975.723	1
7007_7007	7007	7007	-120.59	-27.079	-0.012	-0.229	-0.794	-920.958	1
7007_7008	7007	7008	127.114	-24.739	0.017	0.247	1.692	970.929	1
7008_7008	7008	7008	-122.37	-23.559	-0.03	0.102	-1.118	-934.796	1
7008_7009	7008	7009	130.119	-28.554	0.034	-0.115	2.302	993.629	1
7009_7009	7009	7009	-127.201	-29.532	-0.032	-0.243	-1.691	-971.57	1
7009_7010	7009	7010	126.559	-22.768	0.035	0.237	2.9	966.557	1
7010_7010	7010	7010	-125.085	-25.79	-0.026	0.099	-2.306	-955.572	1
7010_7011	7010	7011	126.539	-26.249	0.027	-0.116	3.383	966.312	1
7011_7011	7011	7011	-126.446	-31.766	-0.028	-0.222	-2.851	-965.857	1
7011_7012	7011	7012	120.105	-20.466	0.027	0.202	3.824	917.431	1
7012_7012	7012	7012	-120.985	-28.425	-0.058	0.12	-3.388	-924.396	1
7012_7013	7012	7013	116.343	-23.209	0.049	-0.138	4.486	888.755	1
7013_7013	7013	7013	-118.634	-34.514	-0.059	-0.197	-4.273	-906.492	1
7013_7014	7013	7014	107.294	-17.534	0.046	0.169	4.983	819.878	1
7014_7014	7014	7014	-109.383	-32.239	-0.036	0.041	-5.094	-836.279	1
7014_7015	7014	7015	96.988	-17.326	0.051	-0.047	5.524	741.176	1
7015_7015	7015	7015	-106.894	-40.579	-0.031	-0.031	-3.98	-769.843	1
7015_7016	7015	7016	93.626	-13.312	0.033	0.025	3.892	689.488	1
7016_7016	7016	7016	-92.979	-37.882	0	0.066	-4.251	-693.747	1
7016_7017	7016	7017	74.801	-13.639	-0.009	-0.08	3.502	611.369	1
7017_7017	7017	7017	-71.573	-44.521	0.007	0.038	-4.165	-614.639	1
7017_7018	7017	7018	47.048	-7.909	-0.005	-0.03	3.071	476.501	1
7018_7018	7018	7018	-41.549	-47.501	-0.022	0.072	-3.829	-461.21	1
7018_7019	7018	7019	25.449	-5.511	-0.009	-0.085	2.642	326.02	1
7019_7019	7019	7019	-17.242	-54.755	-0.017	0.099	-3.842	-295.221	1
7019_7020	7019	7020	8.596	-1.647	-0.016	-0.05	1.916	145.483	1
7020_7020	7020	7020	-70.376	-7.429	0.023	0.063	-4.452	-260.71	1
7020_7021	7020	7021	39.874	-47.743	0.04	-0.031	1.566	183.56	1
7021_7021	7021	7021	-75.199	-10.509	0.011	0.029	-2.963	-317.234	1
7021_7022	7021	7022	49.835	-42.742	0.038	-0.017	1.12	259.228	1
7022_7022	7022	7022	-78.419	-13.744	0.007	-0.012	-2.614	-359.562	1
7022_7023	7022	7023	57.163	-37.853	0.043	0.005	1.095	318.841	1
7023_7023	7023	7023	-79.802	-13.964	0.041	0.052	-2.345	-391.556	1
7023_7024	7023	7024	65.635	-37.07	-0.005	-0.028	0.73	382.463	1
7024_7024	7024	7024	-81.77	-17.588	0.038	0.01	-1.823	-426.991	1
7024_7025	7024	7025	70.775	-31.993	0.002	0.013	0.466	420.308	1
7025_7025	7025	7025	-81.624	-21.732	0.032	0.007	-1.364	-446.966	1
7025_7026	7025	7026	72.879	-27.24	0.009	0.015	0.318	434.349	1
7026_7026	7026	7026	-79.577	-20.161	0.035	0.045	-0.994	-450.226	1
7026_7027	7026	7027	76.47	-30.427	0.016	-0.023	0.291	456.186	1
7027_7027	7027	7027	-79.974	-23.311	0.029	0.055	-0.725	-463.271	1
7027_7028	7027	7028	78.151	-26.745	0.024	-0.028	0.353	463.456	1
7028_7028	7028	7028	-79.462	-26.799	0.024	-0.023	-0.533	-467.598	1
7028_7029	7028	7029	78.148	-23.257	0.029	0.05	0.488	457.577	1
7029_7029	7029	7029	-77.293	-30.489	0.016	-0.026	-0.412	-458.72	1
7029_7030	7029	7030	77.18	-20.116	0.035	0.047	0.698	443.039	1
7030_7030	7030	7030	-73.231	-27.248	0.012	0.019	-0.379	-435.237	1
7030_7031	7030	7031	78.385	-21.691	0.031	0.003	0.985	437.821	1
7031_7031	7031	7031	-70.563	-32.008	0.004	0.013	-0.429	-419.298	1
7031_7032	7031	7032	77.574	-17.545	0.037	0.011	1.367	415.923	1
7032_7032	7032	7032	-64.838	-37.098	-0.002	-0.032	-0.595	-379.448	1
7032_7033	7032	7033	74.619	-13.927	0.04	0.056	1.816	378.674	1
7033_7033	7033	7033	-55.747	-37.808	0.041	-0.019	-0.863	-313.831	1
7033_7034	7033	7034	72.262	-13.723	0.012	0.036	2.069	345.032	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7034_7034	7034	7034	-47.798	-42.713	0.031	0.005	-0.841	-252.582	1
7034_7035	7034	7035	68.096	-10.478	0.026	-0.003	2.488	300.869	1
7035_7035	7035	7035	-36.994	-47.748	0.035	-0.025	-1.239	-175.665	1
7035_7036	7035	7036	61.866	-7.395	0.042	0.072	4.108	243.184	1
7036_7036	7036	7036	-12.971	-3.751	0.008	0.054	-0.424	-162.222	1
7036_7037	7036	7037	0.042	-52.598	-0.013	0.124	2.739	223.728	1
7037_7037	7037	7037	-16.867	-6.13	-0.014	-0.054	-1.872	-291.046	1
7037_7038	7037	7038	19.113	-45.298	-0.015	0.072	2.767	361.281	1
7038_7038	7038	7038	-34.059	-8.566	-0.012	-0.024	-2.247	-425.544	1
7038_7039	7038	7039	42.939	-42.276	0.014	0.047	3.151	484.274	1
7039_7039	7039	7039	-56.14	-14.274	-0.021	-0.094	-2.669	-539.275	1
7039_7040	7039	7040	59.363	-35.796	0.013	0.079	3.361	537.929	1
7040_7040	7040	7040	-69.404	-13.942	0.017	0.045	-3.115	-594.491	1
7040_7041	7040	7041	70.34	-38.471	0.001	-0.033	3.349	595.636	1
7041_7041	7041	7041	-87.307	-17.689	0.004	-0.04	-1.468	-595.24	1
7041_7042	7041	7042	88.897	-29.649	0.003	0.039	1.601	601.843	1
7042_7042	7042	7042	-92.493	-17.004	0.013	0.035	-1.524	-630.217	1
7042_7043	7042	7043	98.99	-32.223	-0.007	-0.031	1.485	659.182	1
7043_7043	7043	7043	-99.686	-22.872	0.011	-0.054	-1.437	-673.433	1
7043_7044	7043	7044	101.06	-25.797	-0.003	0.055	1.42	668.594	1
7044_7044	7044	7044	-100.793	-19.727	0.005	0.022	-1.365	-677.47	1
7044_7045	7044	7045	107.445	-29.027	-0.001	-0.013	1.383	705.255	1
7045_7045	7045	7045	-106.387	-25.862	0.003	-0.022	-1.355	-707.814	1
7045_7046	7045	7046	105.627	-22.704	0	0.031	1.363	693.413	1
7046_7046	7046	7046	-104.492	-22.361	0	0.047	-1.352	-692.633	1
7046_7047	7046	7047	108.461	-26.12	0.005	-0.045	1.389	710.675	1
7047_7047	7047	7047	-107.435	-28.696	-0.003	-0.046	-1.389	-707.333	1
7047_7048	7047	7048	103.604	-19.946	0.007	0.048	1.431	681.705	1
7048_7048	7048	7048	-102.154	-25.381	-0.006	0.033	-1.456	-673.312	1
7048_7049	7048	7049	102.972	-22.998	0.011	-0.025	1.514	678.029	1
7049_7049	7049	7049	-101.197	-31.857	-0.008	-0.012	-1.554	-666.672	1
7049_7050	7049	7050	96.11	-17.086	0.012	0.02	1.589	635.065	1
7050_7050	7050	7050	-91.957	-29.213	0.001	0.034	-1.68	-610.843	1
7050_7051	7050	7051	91.109	-17.71	0.01	-0.034	1.611	600.209	1
7051_7051	7051	7051	-78.788	-38.114	-0.003	-0.03	-1.997	-581.986	1
7051_7052	7051	7052	77.709	-13.778	0.014	0.039	1.919	576.02	1
7052_7052	7052	7052	-67.418	-35.334	0.009	0.067	-2.049	-524.818	1
7052_7053	7052	7053	64.006	-14.253	-0.013	-0.082	1.634	526.094	1
7053_7053	7053	7053	-45.514	-42.117	0.015	0.049	-2.623	-501.209	1
7053_7054	7053	7054	36.877	-8.575	-0.01	-0.022	1.875	442.588	1
7054_7054	7054	7054	-22.527	-45.245	-0.023	0.078	-2.276	-375.446	1
7054_7055	7054	7055	19.751	-6.015	-0.004	-0.081	1.656	307.231	1
7055_7055	7055	7055	-3.858	-52.755	-0.021	0.133	-2.387	-235.098	1
7055_7056	7055	7056	17.004	-2.753	-0.006	0.101	-0.514	134.882	1
7056_7056	7056	7056	-64.73	-7.407	0.02	0.116	-3.006	-259.653	1
7056_7057	7056	7057	43.098	-47.276	0.031	-0.071	0.958	217.48	1
7057_7057	7057	7057	-70.584	-10.693	0.013	0.06	-2.235	-331.231	1
7057_7058	7057	7058	52.14	-42.348	0.034	-0.031	0.81	301.6	1
7058_7058	7058	7058	-74.664	-14.076	0.008	-0.029	-1.935	-382.317	1
7058_7059	7058	7059	58.929	-37.418	0.038	0.02	0.841	363.528	1
7059_7059	7059	7059	-76.735	-14.304	0.031	0.151	-1.723	-420.617	1
7059_7060	7059	7060	66.776	-36.951	-0.004	-0.11	0.576	429.854	1
7060_7060	7060	7060	-79.234	-17.998	0.029	0.051	-1.346	-461.647	1
7060_7061	7060	7061	71.483	-31.895	0.001	-0.001	0.385	468.736	1
7061_7061	7061	7061	-79.651	-22.216	0.027	-0.061	-1.005	-485.691	1
7061_7062	7061	7062	73.357	-27.173	0.006	0.092	0.273	482.44	1
7062_7062	7062	7062	-78.164	-20.494	0.026	0.146	-0.717	-491.18	1
7062_7063	7062	7063	76.73	-30.611	0.014	-0.091	0.271	505.31	1
7063_7063	7063	7063	-78.834	-23.654	0.023	0.001	-0.53	-506.548	1
7063_7064	7063	7064	78.344	-26.936	0.017	0.069	0.325	512.842	1
7064_7064	7064	7064	-78.6	-27.148	0.017	0.002	-0.389	-512.409	1
7064_7065	7064	7065	78.388	-23.458	0.023	0.063	0.445	506.367	1
7065_7065	7065	7065	-76.794	-30.825	0.012	-0.018	-0.314	-504.196	1
7065_7066	7065	7066	77.543	-20.313	0.028	0.076	0.625	490.527	1
7066_7066	7066	7066	-73.216	-27.329	0.003	0.021	-0.303	-480.56	1
7066_7067	7066	7067	78.82	-22.041	0.026	0.049	0.889	484.612	1
7067_7067	7067	7067	-71.112	-32.064	-0.003	0.009	-0.404	-466.149	1
7067_7068	7067	7068	78.219	-17.841	0.031	0.06	1.216	460.433	1
7068_7068	7068	7068	-66.166	-37.129	-0.008	-0.01	-0.591	-426.502	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7068_7069	7068	7069	75.583	-14.166	0.035	0.076	1.599	419.582	1
7069_7069	7069	7069	-58.053	-37.553	0.037	0.019	-0.859	-359.293	1
7069_7070	7069	7070	73.457	-13.99	0.01	-0.006	1.8	382.2	1
7070_7070	7070	7070	-51.079	-42.487	0.032	-0.039	-0.81	-297.022	1
7070_7071	7070	7071	69.42	-10.643	0.015	0.087	2.093	332.586	1
7071_7071	7071	7071	-41.684	-47.447	0.029	-0.046	-0.999	-213.64	1
7071_7072	7071	7072	63.587	-7.424	0.028	0.095	3.036	264.807	1
7072_7072	7072	7072	-9.513	-3.337	0.004	0.053	-0.676	-131.194	1
7072_7073	7072	7073	3.842	-52.349	-0.018	0.149	2.22	255.743	1
7073_7073	7073	7073	-18.362	-6.097	-0.005	-0.065	-1.591	-308.923	1
7073_7074	7073	7074	23.577	-44.867	-0.02	0.087	2.119	402.509	1
7074_7074	7074	7074	-35.51	-8.653	-0.01	-0.033	-1.789	-448.322	1
7074_7075	7074	7075	47.978	-41.826	0.018	0.061	2.479	534.227	1
7075_7075	7075	7075	-63.124	-14.408	-0.014	-0.074	-1.56	-535.54	1
7075_7076	7075	7076	71.851	-35.117	0.011	0.069	1.965	561.608	1
7076_7076	7076	7076	-77.518	-13.838	0.014	0.013	-1.848	-589.791	1
7076_7077	7076	7077	84.565	-38.043	-0.005	-0.004	1.903	624.962	1
7077_7077	7077	7077	-80.282	-18.013	0.018	-0.063	-2.591	-652.602	1
7077_7078	7077	7078	86.805	-30.243	0.001	0.08	2.682	690.928	1
7078_7078	7078	7078	-86.157	-17.263	0.016	0.038	-2.504	-697.631	1
7078_7079	7078	7079	95.74	-32.896	-0.016	-0.02	2.487	751.041	1
7079_7079	7079	7079	-93.317	-22.881	0.015	-0.068	-2.414	-748.284	1
7079_7080	7079	7080	98.237	-26.865	-0.013	0.086	2.306	765.488	1
7080_7080	7080	7080	-95.86	-19.762	0.005	0.055	-2.291	-762.71	1
7080_7081	7080	7081	104.134	-30.325	0	-0.04	2.276	805.902	1
7081_7081	7081	7081	-101.882	-25.557	0.002	-0.071	-2.279	-801.442	1
7081_7082	7081	7082	103.495	-24.368	0.002	0.085	2.266	800.395	1
7082_7082	7082	7082	-101.95	-21.829	0.004	0.064	-2.282	-797.132	1
7082_7083	7082	7083	106.611	-27.68	0.002	-0.05	2.245	823.72	1
7083_7083	7083	7083	-106.1	-28.146	0.002	-0.05	-2.262	-823.025	1
7083_7084	7083	7084	102.364	-21.4	0.004	0.064	2.25	795.145	1
7084_7084	7084	7084	-102.82	-24.75	-0.003	0.077	-2.266	-796.529	1
7084_7085	7084	7085	102.284	-25.133	0.008	-0.061	2.301	797.505	1
7085_7085	7085	7085	-103.368	-30.741	-0.005	-0.037	-2.329	-799.517	1
7085_7086	7085	7086	96.338	-19.381	0.009	0.053	2.357	757.523	1
7086_7086	7086	7086	-97.35	-27.167	-0.015	0.132	-2.413	-756.384	1
7086_7087	7086	7087	94.011	-22.572	0.018	-0.129	2.49	743.092	1
7087_7087	7087	7087	-94.87	-33.231	-0.018	-0.083	-2.606	-740.221	1
7087_7088	7087	7088	86.911	-16.977	0.019	0.088	2.605	691.899	1
7088_7088	7088	7088	-86.005	-30.46	-0.001	0.098	-2.821	-678.755	1
7088_7089	7088	7089	81.544	-18.09	0.017	-0.094	2.661	650.14	1
7089_7089	7089	7089	-76.513	-38.182	-0.007	-0.064	-2.576	-657.107	1
7089_7090	7089	7090	71.424	-14.008	0.018	0.073	2.434	626.649	1
7090_7090	7090	7090	-65.228	-35.181	0.009	0.098	-2.647	-591.97	1
7090_7091	7090	7091	58.119	-14.443	-0.012	-0.108	2.118	566.609	1
7091_7091	7091	7091	-48.089	-41.869	0.014	0.07	-3.153	-535.938	1
7091_7092	7091	7092	35.686	-8.461	-0.007	-0.04	2.314	447.802	1
7092_7092	7092	7092	-24.28	-44.81	-0.026	0.084	-2.797	-403.101	1
7092_7093	7092	7093	18.705	-5.964	-0.005	-0.082	2.053	306.171	1
7093_7093	7093	7093	-4.932	-52.447	-0.024	0.13	-2.927	-254.796	1
7093_7094	7093	7094	10.472	-3.333	0	0.076	0.086	141.475	1
7094_7094	7094	7094	-63.678	-7.378	0.028	0.105	-3.508	-262.912	1
7094_7095	7094	7095	42.149	-47.079	0.036	-0.062	1.128	217.157	1
7095_7095	7095	7095	-67.27	-10.697	0.022	0.071	-3.303	-340.876	1
7095_7096	7095	7096	49.263	-42.178	0.05	-0.035	1.231	309.37	1
7096_7096	7096	7096	-70.856	-14.132	0.015	-0.03	-2.846	-392.879	1
7096_7097	7096	7097	55.385	-37.135	0.058	0.024	1.297	372.666	1
7097_7097	7097	7097	-72.532	-14.25	0.051	0.159	-2.526	-431.652	1
7097_7098	7097	7098	62.623	-36.904	-0.012	-0.114	0.865	441.517	1
7098_7098	7098	7098	-74.697	-17.997	0.05	0.055	-1.934	-474.085	1
7098_7099	7098	7099	66.875	-31.765	-0.005	-0.001	0.541	481.327	1
7099_7099	7099	7099	-74.908	-22.296	0.046	-0.067	-1.392	-498.795	1
7099_7100	7099	7100	68.457	-26.985	0.002	0.1	0.339	494.673	1
7100_7100	7100	7100	-73.331	-20.345	0.044	0.073	-0.921	-503.887	1
7100_7101	7100	7101	71.665	-30.77	0.018	0.019	0.341	519.249	1
7101_7101	7101	7101	-73.935	-23.531	0.04	-0.111	-0.622	-520.327	1
7101_7102	7101	7102	73.201	-27.035	0.024	0.205	0.43	527.594	1
7102_7102	7102	7102	-73.702	-27.07	0.024	0.2	-0.398	-526.871	1
7102_7103	7102	7103	73.254	-23.497	0.039	-0.107	0.662	521.129	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7103_7103	7103	7103	-71.983	-30.807	0.019	0.025	-0.317	-518.607	1
7103_7104	7103	7104	72.475	-20.312	0.045	0.068	0.972	504.778	1
7104_7104	7104	7104	-68.592	-26.991	0.001	0.081	-0.322	-494.111	1
7104_7105	7104	7105	73.825	-22.255	0.048	-0.028	1.471	499.782	1
7105_7105	7105	7105	-66.782	-31.778	-0.006	-0.029	-0.545	-481.026	1
7105_7106	7105	7106	73.386	-17.952	0.052	0.097	2.046	475.084	1
7106_7106	7106	7106	-62.294	-36.923	-0.016	-0.038	-0.894	-441.408	1
7106_7107	7106	7107	70.997	-14.202	0.058	0.097	2.71	432.62	1
7107_7107	7107	7107	-54.809	-37.108	0.06	-0.009	-1.375	-372.665	1
7107_7108	7107	7108	69.121	-14.096	0.01	0.039	3.017	393.903	1
7108_7108	7108	7108	-48.483	-42.16	0.05	-0.01	-1.314	-309.695	1
7108_7109	7108	7109	65.324	-10.646	0.023	0.044	3.501	341.701	1
7109_7109	7109	7109	-41.019	-47.099	0.037	-0.044	-1.263	-218.138	1
7109_7110	7109	7110	61.361	-7.324	0.03	0.094	3.84	264.13	1
7110_7110	7110	7110	-9.063	-2.115	-0.002	0.057	0.06	-101.595	1
7110_7111	7110	7111	3.769	-51.605	-0.027	0.142	3.306	263.473	1
7111_7111	7111	7111	-18.022	-6.304	-0.003	-0.085	-2.274	-314.589	1
7111_7112	7111	7112	22.252	-43.84	-0.029	0.085	3.193	403.273	1
7112_7112	7112	7112	-34.538	-8.833	-0.001	-0.051	-2.56	-453.165	1
7112_7113	7112	7113	44.728	-40.877	0.002	0.087	3.43	526.265	1
7113_7113	7113	7113	-56.189	-14.903	-0.006	-0.089	-2.276	-566.511	1
7113_7114	7113	7114	60.396	-34.105	-0.001	0.082	2.771	572.048	1
7114_7114	7114	7114	-68.331	-14.41	0.021	-0.004	-2.524	-619.316	1
7114_7115	7114	7115	70.616	-37.178	-0.012	0.028	2.665	630.094	1
7115_7115	7115	7115	-84.603	-18.433	0.016	-0.021	-2.048	-601.482	1
7115_7116	7115	7116	85.807	-28.852	-0.008	0.034	2.09	606.181	1
7116_7116	7116	7116	-88.618	-17.237	0.019	0.03	-1.963	-630.238	1
7116_7117	7116	7117	94.239	-31.816	-0.019	-0.019	1.853	657.146	1
7117_7117	7117	7117	-94.907	-22.966	0.019	-0.04	-1.812	-670.371	1
7117_7118	7117	7118	95.696	-25.596	-0.017	0.049	1.631	664.183	1
7118_7118	7118	7118	-95.803	-19.508	0.011	0.01	-1.633	-673.914	1
7118_7119	7118	7119	101.227	-29.273	-0.009	0.008	1.5	698.405	1
7119_7119	7119	7119	-100.919	-25.418	0.011	0.006	-1.534	-703.69	1
7119_7120	7119	7120	99.497	-23.103	-0.008	0.011	1.375	687.41	1
7120_7120	7120	7120	-99.613	-21.523	0.01	0.075	-1.424	-692.242	1
7120_7121	7120	7121	102.043	-26.575	-0.006	-0.074	1.264	705.299	1
7121_7121	7121	7121	-103.002	-28.017	0.008	-0.061	-1.311	-711.27	1
7121_7122	7121	7122	96.392	-20.088	-0.003	0.061	1.189	672.075	1
7122_7122	7122	7122	-98.207	-24.511	0.006	0.055	-1.225	-679.106	1
7122_7123	7122	7123	95.597	-24.008	-0.002	-0.044	1.135	670.586	1
7123_7123	7123	7123	-97.878	-30.678	0.004	-0.016	-1.163	-676.986	1
7123_7124	7123	7124	88.306	-18.076	-0.001	0.027	1.103	627.661	1
7124_7124	7124	7124	-90.294	-27.022	0	0.082	-1.124	-629.726	1
7124_7125	7124	7125	85.302	-21.452	0.003	-0.078	1.112	611.418	1
7125_7125	7125	7125	-86.746	-33.248	-0.003	-0.043	-1.144	-609.538	1
7125_7126	7125	7126	77.3	-15.754	0.006	0.048	1.138	560.796	1
7126_7126	7126	7126	-76.175	-30.334	0.004	0.05	-1.199	-545.31	1
7126_7127	7126	7127	71.725	-17.072	0.011	-0.04	1.217	522.504	1
7127_7127	7127	7127	-68.944	-38.123	-0.002	-0.009	-1.072	-498.766	1
7127_7128	7127	7128	65.038	-12.919	0.011	0.016	1.151	481.761	1
7128_7128	7128	7128	-56.15	-34.849	-0.002	0.043	-1.125	-435.203	1
7128_7129	7128	7129	52.409	-13.828	0	-0.053	1.087	434.221	1
7129_7129	7129	7129	-34.622	-41.664	-0.001	0.019	-1.44	-406.017	1
7129_7130	7129	7130	27.53	-7.992	0.008	-0.006	1.359	352.62	1
7130_7130	7130	7130	-12.367	-44.883	0.047	0.062	-1.407	-277.554	1
7130_7131	7130	7131	12.071	-5.116	-0.065	-0.037	0.532	219.279	1
7131_7131	7131	7131	5.674	-52.488	0.047	0.084	-0.774	-133.312	1
7131_7132	7131	7132	14.171	-3.563	0.017	0.026	1.004	185.964	1
7132_7132	7132	7132	-58.013	-5.416	-0.033	0.001	-0.583	-185.261	1
7132_7133	7132	7133	37.523	-47.473	0.074	0.06	0.044	166.583	1
7133_7133	7133	7133	-66.158	-9.025	-0.041	0.022	-0.701	-265.075	1
7133_7134	7133	7134	48.503	-41.995	0.073	0.015	0.461	248.923	1
7134_7134	7134	7134	-71.336	-12.587	-0.055	0.102	-0.945	-319.12	1
7134_7135	7134	7135	56.094	-36.699	0.08	-0.027	0.958	311.536	1
7135_7135	7135	7135	-74.235	-13.193	0.038	0.061	-1.329	-359.862	1
7135_7136	7135	7136	64.628	-36.16	-0.021	-0.035	0.658	377.615	1
7136_7136	7136	7136	-77.491	-17.093	0.038	0.007	-0.988	-402.712	1
7136_7137	7136	7137	69.452	-30.821	-0.018	0.021	0.403	415.441	1
7137_7137	7137	7137	-78.161	-21.536	0.035	0.003	-0.659	-426.959	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7137_7138	7137	7138	70.949	-25.874	-0.012	0.023	0.221	427.561	1
7138_7138	7138	7138	-76.517	-19.228	0.016	0.078	-0.37	-431.996	1
7138_7139	7138	7139	74.574	-30.095	0.01	-0.056	0.245	451.759	1
7139_7139	7139	7139	-77.508	-22.518	0.015	-0.001	-0.278	-448.989	1
7139_7140	7139	7140	76.138	-26.21	0.012	0.033	0.303	460.209	1
7140_7140	7140	7140	-77.405	-26.183	0.011	-0.005	-0.215	-456.331	1
7140_7141	7140	7141	75.854	-22.538	0.016	0.034	0.403	454.235	1
7141_7141	7141	7141	-75.452	-30.063	0.007	-0.009	-0.195	-449.3	1
7141_7142	7141	7142	74.479	-19.241	0.019	0.036	0.541	438.523	1
7142_7142	7142	7142	-71.414	-26.065	0	0.042	-0.218	-426.436	1
7142_7143	7142	7143	75.506	-21.383	0.02	-0.024	0.741	434.363	1
7143_7143	7143	7143	-69.202	-31.019	-0.003	-0.013	-0.33	-415.003	1
7143_7144	7143	7144	74.187	-16.937	0.021	0.04	0.964	410.63	1
7144_7144	7144	7144	-63.665	-36.36	-0.006	-0.017	-0.489	-377.842	1
7144_7145	7144	7145	70.385	-13.054	0.023	0.04	1.218	368.934	1
7145_7145	7145	7145	-54.426	-36.754	0.04	-0.017	-0.695	-312.367	1
7145_7146	7145	7146	67.162	-12.926	-0.009	0.041	1.222	330.604	1
7146_7146	7146	7146	-46.369	-41.968	0.034	0.011	-0.552	-251.743	1
7146_7147	7146	7147	61.73	-9.378	0.001	-0.003	1.339	279.207	1
7147_7147	7147	7147	-35.091	-47.318	0.032	-0.007	-0.491	-172.281	1
7147_7148	7147	7148	53.636	-6.004	0.006	0.051	1.62	210.247	1
7148_7148	7148	7148	-19.076	-2.339	0.002	0.039	-0.144	-152.678	1
7148_7149	7148	7149	-7.931	-50.676	-0.015	0.087	1.428	189.172	1
7149_7149	7149	7149	-11.609	-6.466	-0.007	-0.033	-1.047	-264.684	1
7149_7150	7149	7150	8.69	-43.063	-0.017	0.039	1.308	315.261	1
7150_7150	7150	7150	-26.573	-9.057	-0.006	-0.023	-1.169	-389.402	1
7150_7151	7150	7151	29.236	-40.05	0.009	0.05	1.521	425.47	1
7151_7151	7151	7151	-51.307	-14.771	-0.01	-0.024	-1.102	-458.762	1
7151_7152	7151	7152	49.136	-33.405	0.006	0.026	1.308	436.711	1
7152_7152	7152	7152	-62.412	-14.226	0.016	-0.029	-1.296	-497.191	1
7152_7153	7152	7153	59.62	-36.292	-0.007	0.044	1.218	487.045	1
7153_7153	7153	7153	-74.556	-18.223	0.013	0.015	-0.992	-511.72	1
7153_7154	7153	7154	70.621	-28.145	-0.005	0.001	0.898	498.384	1
7154_7154	7154	7154	-76.828	-17.238	0.007	0.005	-0.87	-531.247	1
7154_7155	7154	7155	78.546	-30.633	-0.004	0.005	0.833	542.345	1
7155_7155	7155	7155	-81.879	-22.981	0.007	0.003	-0.823	-562.547	1
7155_7156	7155	7156	78.946	-24.362	-0.002	0.008	0.783	544.087	1
7156_7156	7156	7156	-81.227	-20.248	0.003	-0.008	-0.778	-559.291	1
7156_7157	7156	7157	83.181	-27.799	0.001	0.023	0.771	568.236	1
7157_7157	7157	7157	-84.224	-25.712	0.004	0.024	-0.766	-575.828	1
7157_7158	7157	7158	81.383	-22.195	0	-0.009	0.755	558.694	1
7158_7158	7158	7158	-81.638	-22.311	0	-0.006	-0.746	-560.281	1
7158_7159	7158	7159	83.778	-25.679	0.003	0.021	0.771	573.14	1
7159_7159	7159	7159	-83.201	-27.89	0.001	0.026	-0.761	-568.423	1
7159_7160	7159	7160	80.597	-20.209	0.002	-0.011	0.778	555.596	1
7160_7160	7160	7160	-78.78	-24.577	-0.004	-0.003	-0.769	-543.132	1
7160_7161	7160	7161	81.046	-22.972	0.009	0.019	0.859	557.804	1
7161_7161	7161	7161	-78.087	-30.789	-0.004	0.023	-0.848	-539.639	1
7161_7162	7161	7162	75.773	-17.228	0.008	-0.009	0.922	525.402	1
7162_7162	7162	7162	-69.985	-28.507	-0.003	0.016	-0.933	-494.62	1
7162_7163	7162	7163	72.98	-18.076	0.012	-0.011	1.021	503.148	1
7163_7163	7163	7163	-60.033	-36.539	-0.006	-0.005	-1.078	-473.131	1
7163_7164	7163	7164	62.137	-14.067	0.015	0.014	1.17	479.687	1
7164_7164	7164	7164	-49.195	-33.962	0.007	0.023	-1.164	-422.138	1
7164_7165	7164	7165	50.439	-14.432	-0.011	-0.019	0.981	438.218	1
7165_7165	7165	7165	-31.026	-40.47	0.01	0.049	-1.208	-393.898	1
7165_7166	7165	7166	27.164	-8.775	-0.007	-0.028	0.923	356.426	1
7166_7166	7166	7166	-9.012	-43.747	-0.013	0.03	-1.017	-283.872	1
7166_7167	7166	7167	11.324	-6.206	-0.007	-0.027	0.806	235.521	1
7167_7167	7167	7167	8.772	-51.21	-0.012	0.069	-1.113	-157.071	1
7167_7168	7167	7168	21.903	-2.745	-0.001	0.031	0.157	176.941	1
7168_7168	7168	7168	-56.676	-6.107	0.007	0.047	-1.311	-200.989	1
7168_7169	7168	7169	36.964	-47.779	0.025	-0.016	0.388	162.05	1
7169_7169	7169	7169	-64.978	-9.348	0.002	0.007	-0.872	-268.065	1
7169_7170	7169	7170	49.058	-42.601	0.022	-0.002	0.348	242.007	1
7170_7170	7170	7170	-70.892	-12.747	-0.003	0.007	-0.785	-318.017	1
7170_7171	7170	7171	58.083	-37.531	0.024	-0.003	0.428	304.023	1
7171_7171	7171	7171	-74.648	-13.016	0.016	0.009	-0.761	-356.415	1
7171_7172	7171	7172	68.138	-36.84	-0.002	0.016	0.314	369.523	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7172_7172	7172	7172	-78.923	-16.775	0.012	0.053	-0.597	-397.678	1
7172_7173	7172	7173	74.349	-31.604	0.002	-0.024	0.241	408.431	1
7173_7173	7173	7173	-80.717	-21.078	0.011	-0.004	-0.472	-422.724	1
7173_7174	7173	7174	77.05	-26.71	0.004	0.029	0.203	422.752	1
7174_7174	7174	7174	-80.15	-19.396	0.014	0	-0.368	-430.056	1
7174_7175	7174	7175	81.216	-30.17	0.006	0.029	0.202	444.993	1
7175_7175	7175	7175	-81.689	-22.632	0.011	0.071	-0.279	-445.954	1
7175_7176	7175	7176	83.215	-26.371	0.01	-0.044	0.239	452.296	1
7176_7176	7176	7176	-82.076	-26.223	0.009	-0.007	-0.225	-445.681	1
7176_7177	7176	7177	83.278	-22.773	0.011	0.036	0.301	445.969	1
7177_7177	7177	7177	-80.539	-30.015	0.006	-0.009	-0.198	-445.816	1
7177_7178	7177	7178	82.171	-19.529	0.014	0.036	0.391	430.418	1
7178_7178	7178	7178	-76.832	-26.662	0.004	-0.007	-0.204	-423.976	1
7178_7179	7178	7179	83.289	-21.222	0.009	0.036	0.489	423.506	1
7179_7179	7179	7179	-74.688	-31.538	0	0.037	-0.244	-409.81	1
7179_7180	7179	7180	82.037	-16.924	0.013	-0.012	0.626	398.961	1
7180_7180	7180	7180	-69.057	-36.754	-0.001	-0.013	-0.328	-371.212	1
7180_7181	7180	7181	78.284	-13.165	0.014	0.039	0.78	358.175	1
7181_7181	7181	7181	-59.61	-37.564	0.025	0.002	-0.44	-306.167	1
7181_7182	7181	7182	74.982	-12.859	-0.004	0.025	0.795	319.952	1
7182_7182	7182	7182	-51.084	-42.607	0.022	-0.004	-0.354	-244.161	1
7182_7183	7182	7183	69.513	-9.475	0.001	0.03	0.873	270.345	1
7183_7183	7183	7183	-39.841	-47.694	0.02	0.014	-0.35	-162.898	1
7183_7184	7183	7184	62.091	-6.231	0.009	0.012	1.202	201.745	1
7184_7184	7184	7184	-12.807	-3.124	0.003	0.017	-0.171	-135.195	1
7184_7185	7184	7185	-4.664	-52.851	-0.01	0.089	1.049	146.388	1
7185_7185	7185	7185	-14.001	-5.603	-0.005	-0.002	-0.776	-225.619	1
7185_7186	7185	7186	15.027	-45.529	-0.012	0.036	0.963	285.925	1
7186_7186	7186	7186	-31.169	-8.185	-0.008	-0.05	-0.875	-351.32	1
7186_7187	7186	7187	39.718	-42.082	0.011	0.082	1.156	409.576	1
7187_7187	7187	7187	-56.188	-13.718	-0.01	0.01	-0.935	-441.386	1
7187_7188	7187	7188	60.476	-35.526	0.007	0.008	1.122	450.545	1
7188_7188	7188	7188	-70.22	-13.685	0.009	-0.024	-1.11	-492.551	1
7188_7189	7188	7189	72.836	-37.59	-0.001	0.041	1.089	507.683	1
7189_7189	7189	7189	-80.857	-17.76	0.008	0.02	-0.973	-546.452	1
7189_7190	7189	7190	83.115	-29.773	-0.001	-0.001	0.946	563.495	1
7190_7190	7190	7190	-86.135	-17.38	0.007	0.008	-0.93	-582.365	1
7190_7191	7190	7191	91.853	-31.688	-0.002	0.007	0.893	613.878	1
7191_7191	7191	7191	-92.678	-22.995	0.007	0.005	-0.884	-622.501	1
7191_7192	7191	7192	93.274	-25.615	0	0.01	0.864	621.412	1
7192_7192	7192	7192	-93.69	-20.787	0	0.009	-0.847	-627.953	1
7192_7193	7192	7193	97.727	-28.589	0.005	0.006	0.893	647.675	1
7193_7193	7193	7193	-97.423	-26.1	-0.001	0.006	-0.876	-648.95	1
7193_7194	7193	7194	96.417	-23.186	0.006	0.009	0.935	640.29	1
7194_7194	7194	7194	-95.716	-23.19	0	0.03	-0.92	-637.428	1
7194_7195	7194	7195	98.643	-26.182	0.005	-0.02	0.96	654.101	1
7195_7195	7195	7195	-97.41	-28.598	-0.002	-0.013	-0.948	-646.37	1
7195_7196	7195	7196	95.597	-20.926	0.007	0.024	1.007	636.309	1
7196_7196	7196	7196	-93.33	-25.807	-0.006	0.014	-1.002	-621.625	1
7196_7197	7196	7197	95.408	-23.156	0.012	0	1.1	634.798	1
7197_7197	7197	7197	-92.191	-31.847	-0.007	0.011	-1.098	-614.994	1
7197_7198	7197	7198	89.752	-17.644	0.013	0.002	1.195	599.147	1
7198_7198	7198	7198	-83.951	-30.137	-0.004	0.022	-1.221	-566.736	1
7198_7199	7198	7199	85.555	-18.075	0.009	-0.017	1.229	569.048	1
7199_7199	7199	7199	-73.944	-38.018	-0.006	0.002	-1.377	-510.139	1
7199_7200	7199	7200	74.918	-14.12	0.011	0.011	1.336	514.141	1
7200_7200	7200	7200	-62.428	-36.422	0.002	0.015	-1.434	-457.301	1
7200_7201	7200	7201	60.927	-13.87	-0.007	0.007	1.157	465.205	1
7201_7201	7201	7201	-40.282	-42.946	0.008	0.135	-2.106	-431.425	1
7201_7202	7201	7202	34.064	-8.528	-0.009	-0.088	1.489	389.082	1
7202_7202	7202	7202	-17.073	-46.519	-0.019	0.065	-1.868	-310.954	1
7202_7203	7202	7203	16.848	-6.009	-0.004	-0.02	1.296	261.562	1
7203_7203	7203	7203	1.795	-53.554	-0.016	0.139	-1.927	-174.027	1
7203_7204	7203	7204	12.329	-2.837	0.001	0.028	0.114	131.704	1
7204_7204	7204	7204	-65.286	-7.379	0.021	0.038	-2.204	-234.992	1
7204_7205	7204	7205	41.848	-48.658	0.022	0.001	0.591	184.424	1
7205_7205	7205	7205	-72.349	-10.444	0.008	0.054	-1.512	-307.424	1
7205_7206	7205	7206	53.005	-43.897	0.026	-0.02	0.479	270.712	1
7206_7206	7206	7206	-77.22	-13.584	0.004	0.003	-1.303	-356.044	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7206_7207	7206	7207	61.619	-39.19	0.029	0.015	0.51	336.444	1
7207_7207	7207	7207	-80.273	-14.01	0.022	0.021	-1.161	-394.524	1
7207_7208	7207	7208	71.079	-38.096	0.006	0.022	0.382	404.641	1
7208_7208	7208	7208	-83.705	-17.527	0.017	0.012	-0.898	-435.209	1
7208_7209	7208	7209	77.22	-33.154	0.011	0.03	0.327	447.9	1
7209_7209	7209	7209	-85.045	-21.53	0.01	0.062	-0.707	-461.233	1
7209_7210	7209	7210	80.272	-28.477	0.016	-0.013	0.349	467.632	1
7210_7210	7210	7210	-84.482	-20.528	0.026	0.01	-0.597	-471.61	1
7210_7211	7210	7211	84.12	-31	0.011	0.036	0.359	490.702	1
7211_7211	7211	7211	-85.561	-23.608	0.021	0.001	-0.445	-487.417	1
7211_7212	7211	7212	86.047	-27.409	0.016	0.043	0.427	499.442	1
7212_7212	7212	7212	-85.672	-27.002	0.014	0.079	-0.346	-494.686	1
7212_7213	7212	7213	86.259	-23.993	0.023	-0.034	0.562	495.13	1
7213_7213	7213	7213	-84.102	-30.576	0.011	-0.011	-0.312	-489.076	1
7213_7214	7213	7214	85.462	-20.888	0.025	0.054	0.739	482.062	1
7214_7214	7214	7214	-80.633	-28.206	0.017	0.003	-0.329	-469.242	1
7214_7215	7214	7215	86.309	-21.836	0.013	0.037	0.905	474.81	1
7215_7215	7215	7215	-77.977	-32.861	0.012	-0.007	-0.337	-453.095	1
7215_7216	7215	7216	85.209	-17.817	0.018	0.044	1.135	451.751	1
7216_7216	7216	7216	-72.244	-37.786	0.006	0.037	-0.42	-413.505	1
7216_7217	7216	7217	81.942	-14.273	0.025	-0.002	1.438	413.603	1
7217_7217	7217	7217	-63.182	-39.079	0.018	-0.01	-0.594	-348.924	1
7217_7218	7217	7218	78.893	-13.722	0.003	-0.08	1.593	376.586	1
7218_7218	7218	7218	-54.762	-43.775	0.017	0.024	-0.674	-285.532	1
7218_7219	7218	7219	73.955	-10.57	0.008	-0.094	1.814	329.069	1
7219_7219	7219	7219	-44.029	-48.456	0.029	-0.162	-0.772	-199.813	1
7219_7220	7219	7220	66.984	-7.468	-0.007	0.21	2.024	256.582	1
7220_7220	7220	7220	-11.607	-3.583	-0.004	0.088	0.753	-109.376	1
7220_7221	7220	7221	2.691	-53.711	-0.016	0.066	1.982	233.209	1
7221_7221	7221	7221	-20.83	-6.436	-0.007	-0.086	-1.384	-301.95	1
7221_7222	7221	7222	23.663	-47.036	-0.018	0.044	1.866	375.664	1
7222_7222	7222	7222	-39.441	-9.021	-0.005	0.001	-1.633	-430.792	1
7222_7223	7222	7223	49.566	-43.473	0.014	-0.01	2.071	502.966	1
7223_7223	7223	7223	-68.451	-14.106	-0.008	-0.071	-1.213	-506.361	1
7223_7224	7223	7224	74.827	-37.239	0.01	0.044	1.445	530.395	1
7224_7224	7224	7224	-84.319	-14.681	0.012	0.093	-1.389	-561.669	1
7224_7225	7224	7225	87.213	-38.505	-0.007	-0.109	1.361	585.982	1
7225_7225	7225	7225	-88.881	-18.598	0.009	-0.093	-1.41	-644.507	1
7225_7226	7225	7226	91.32	-30.463	-0.002	0.061	1.34	677.762	1
7226_7226	7226	7226	-94.385	-19.517	0.014	0.137	-1.348	-688.696	1
7226_7227	7226	7227	98.423	-31.356	-0.01	-0.16	1.174	723.678	1
7227_7227	7227	7227	-99.426	-25.135	0.011	-0.132	-1.218	-725.483	1
7227_7228	7227	7228	98.573	-25.373	-0.005	0.109	1.066	724.644	1
7228_7228	7228	7228	-99.053	-24.092	0.008	0.177	-1.115	-725.554	1
7228_7229	7228	7229	100.583	-26.603	-0.004	-0.209	0.963	736.764	1
7229_7229	7229	7229	-100.125	-29.985	0.003	-0.16	-1.032	-733.813	1
7229_7230	7229	7230	96.085	-20.854	0.001	0.131	0.918	706.112	1
7230_7230	7230	7230	-94.451	-29.084	0.001	0.152	-1.001	-698.27	1
7230_7231	7230	7231	93.846	-21.545	0.009	-0.194	0.962	687.76	1
7231_7231	7231	7231	-90.027	-35.434	-0.005	-0.133	-1.006	-670.178	1
7231_7232	7231	7232	86.089	-16.101	0.014	0.104	1.065	631.68	1
7232_7232	7232	7232	-78.269	-36.167	0.026	0.156	-1.108	-594.383	1
7232_7233	7232	7233	84.745	-19.963	-0.02	-0.2	0.988	621.114	1
7233_7233	7233	7233	-75.335	-37.823	0.038	0.055	-1.626	-580.165	1
7233_7234	7233	7234	80.044	-17.116	-0.025	-0.072	1.353	598.238	1
7234_7234	7234	7234	-68.317	-41.078	0.037	0.018	-1.412	-545.261	1
7234_7235	7234	7235	69.309	-13.42	-0.016	-0.023	1.166	550.677	1
7235_7235	7235	7235	-54.008	-45.607	0.033	-0.032	-1.121	-480.3	1
7235_7236	7235	7236	60.197	-11.207	-0.009	0.028	1.114	510.878	1
7236_7236	7236	7236	-33.806	-45.338	0.013	0.097	-1.488	-478.287	1
7236_7237	7236	7237	35.411	-9.926	-0.052	-0.148	1.243	478.299	1
7237_7237	7237	7237	-15.87	-50.805	0.013	-0.022	-1.359	-367.197	1
7237_7238	7237	7238	22.623	-6.869	-0.052	0.05	0.673	380.369	1
7238_7238	7238	7238	-1.741	-43.198	-0.111	-0.037	-1.131	-245.387	1
7238_7239	7238	7239	16.191	-12.849	0.101	0.022	1.51	325.01	1
7239_7239	7239	7239	5.192	-48.27	-0.119	-0.074	-2.1	-177.239	1
7239_7240	7239	7240	8.896	-8.962	0.091	0.146	2.249	230.528	1
7240_7240	7240	7240	-78.589	-12.681	0.083	0.334	-4.009	-366.684	1
7240_7241	7240	7241	54.552	-42.285	-0.015	-0.308	1.813	281.493	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7241_7241	7241	7241	-81.818	-15.967	0.081	0.119	-2.857	-406.579	1
7241_7242	7241	7242	59.515	-37.41	-0.009	-0.138	1.195	331.205	1
7242_7242	7242	7242	-82.991	-20.179	0.077	-0.019	-2.034	-436.315	1
7242_7243	7242	7243	62.216	-32.91	-0.002	-0.06	0.919	362.048	1
7243_7243	7243	7243	-81.021	-13.998	0.023	0.157	-1.368	-441.481	1
7243_7244	7243	7244	73.982	-39.452	-0.019	-0.141	0.492	460.593	1
7244_7244	7244	7244	-84.588	-18.101	0.036	-0.023	-1.012	-494.943	1
7244_7245	7244	7245	81.229	-33.823	-0.014	0.033	0.207	517.482	1
7245_7245	7245	7245	-86.151	-20.175	-0.016	0.109	-0.529	-527.982	1
7245_7246	7245	7246	87.53	-30.861	0.037	-0.121	0.555	560.83	1
7246_7246	7246	7246	-87.73	-25.306	-0.016	-0.11	-0.638	-557.173	1
7246_7247	7246	7247	89.442	-25.737	0.032	0.102	0.846	564.751	1
7247_7247	7247	7247	-86.645	-26.841	0.031	0.165	-0.801	-557.461	1
7247_7248	7247	7248	91.296	-24.261	0.005	-0.206	0.91	562.875	1
7248_7248	7248	7248	-85.186	-32.07	0.034	-0.175	-0.586	-549.653	1
7248_7249	7248	7249	90.632	-19.333	0.002	0.153	1.059	534.223	1
7249_7249	7249	7249	-79.479	-35.002	-0.019	0.055	-0.387	-502.59	1
7249_7250	7249	7250	89.513	-17.328	0.082	-0.082	2.101	499.594	1
7250_7250	7250	7250	-72.36	-40.867	-0.033	-0.121	-0.949	-438.393	1
7250_7251	7250	7251	85.781	-13.477	0.071	0.125	3.019	445.538	1
7251_7251	7251	7251	-62.041	-34.191	0.03	0.042	-1.778	-343.487	1
7251_7252	7251	7252	87.481	-20.304	-0.043	-0.201	2.829	439.881	1
7252_7252	7252	7252	-60.823	-38.181	0.049	-0.121	-1.719	-314.624	1
7252_7253	7252	7253	86.933	-15.853	-0.054	0.085	2.327	408.573	1
7253_7253	7253	7253	-14.607	-16.471	0.059	-0.135	-1.53	-287.814	1
7253_7254	7253	7254	-1.91	-41.924	-0.058	0.328	1.883	184.149	1
7254_7254	7254	7254	-17.466	-8.759	-0.052	-0.018	-1.24	-318.982	1
7254_7255	7254	7255	9.396	-46.276	0.09	0.092	3.14	295.515	1
7255_7255	7255	7255	-29.713	-13.158	-0.069	-0.123	-2.203	-420.156	1
7255_7256	7255	7256	20.286	-41.19	0.095	0.096	4.212	358.524	1
7256_7256	7256	7256	-39.65	-8.547	0.031	0.034	-3.283	-474.327	1
7256_7257	7256	7257	37.564	-49.068	-0.045	-0.034	3.85	473.292	1
7257_7257	7257	7257	-64.151	-11.268	0.021	-0.043	-2.059	-505.349	1
7257_7258	7257	7258	61.053	-45.272	-0.026	0.034	2.249	490.635	1
7258_7258	7258	7258	-75.759	-14.097	0.023	-0.069	-1.998	-553.197	1
7258_7259	7258	7259	70.43	-42.572	-0.024	0.045	2.118	532.653	1
7259_7259	7259	7259	-82.391	-13.309	0.012	0.095	-1.932	-581.297	1
7259_7260	7259	7260	83.049	-41.99	-0.014	-0.116	2.007	599.126	1
7260_7260	7260	7260	-95.05	-16.523	0.007	-0.022	-1.406	-592.042	1
7260_7261	7260	7261	95.5	-37.14	-0.007	0.004	1.396	614.446	1
7261_7261	7261	7261	-101.49	-20.388	0.007	-0.081	-1.383	-633.209	1
7261_7262	7261	7262	100.698	-33.043	-0.006	0.052	1.309	646.149	1
7262_7262	7262	7262	-104.534	-19.002	0.013	0.068	-1.349	-654.487	1
7262_7263	7262	7263	108.868	-32.734	-0.014	-0.085	1.088	695.277	1
7263_7263	7263	7263	-110.916	-24.353	0.012	-0.051	-1.206	-695.544	1
7263_7264	7263	7264	110.083	-26.997	-0.012	0.036	0.872	704.534	1
7264_7264	7264	7264	-111.292	-24.131	0.007	0.112	-1.044	-701.834	1
7264_7265	7264	7265	112.236	-27.259	-0.003	-0.138	0.761	718.161	1
7265_7265	7265	7265	-112.793	-29.9	0.003	-0.099	-0.938	-713.93	1
7265_7266	7265	7266	108.098	-21.88	0.002	0.076	0.699	694.854	1
7266_7266	7266	7266	-107.377	-29.787	0.012	0.1	-0.881	-686.443	1
7266_7267	7266	7267	105.521	-22.112	-0.004	-0.127	0.569	678.393	1
7267_7267	7267	7267	-102.42	-35.569	0.008	-0.06	-0.719	-661.023	1
7267_7268	7267	7268	97.59	-17.068	0.001	0.041	0.509	629.497	1
7268_7268	7268	7268	-90.796	-36.515	0.039	0.166	-0.617	-597.179	1
7268_7269	7268	7269	95.488	-19.846	-0.036	-0.211	0.345	615.836	1
7269_7269	7269	7269	-80.851	-38.748	0.05	0.081	-0.61	-630.674	1
7269_7270	7269	7270	79.558	-15.62	-0.041	-0.109	0.01	623.441	1
7270_7270	7270	7270	-67.311	-43.797	0.048	-0.061	-0.078	-567.548	1
7270_7271	7270	7271	63.038	-11.654	-0.032	0.046	-0.325	552.206	1
7271_7271	7271	7271	-38.658	-45.755	0.117	0.17	0.717	-526.599	1
7271_7272	7271	7272	36.13	-10.069	-0.079	-0.252	-1.364	504.576	1
7272_7272	7272	7272	-16.887	-51.515	0.108	-0.136	2.09	-400.987	1
7272_7273	7272	7273	19.16	-6.485	-0.051	0.098	-1.626	371.907	1
7273_7273	7273	7273	1.732	-42.725	-0.488	0.201	3.269	-234.968	1
7273_7274	7273	7274	16.825	-16.499	0.249	-0.027	0.056	348.648	1
7274_7274	7274	7274	5.811	-45.144	-0.474	0.164	0.491	-201.853	1
7274_7275	7274	7275	11.863	-13.496	0.192	0.114	1.72	297.979	1
7275_7275	7275	7275	-85.878	-20.938	-0.305	-0.571	-2.967	-428.159	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7275_7276	7275	7276	57.799	-35.483	0.142	-0.042	2.037	300.473	1
7276_7276	7276	7276	-84.201	-14.58	0.13	0.215	-4.403	-427.291	1
7276_7277	7276	7277	60.131	-41.442	-0.043	-0.185	1.554	326.706	1
7277_7277	7277	7277	-85.752	-16.327	0.116	0.073	-3.316	-440.767	1
7277_7278	7277	7278	65.818	-35.442	-0.019	-0.074	0.579	374.088	1
7278_7278	7278	7278	-87.044	-21.272	0.107	-0.126	-1.861	-471.627	1
7278_7279	7278	7279	68.031	-30.248	-0.005	0.057	0.187	395.782	1
7279_7279	7279	7279	-83.999	-17.885	-0.034	0.178	-0.758	-468.593	1
7279_7280	7279	7280	75.63	-32.339	0.034	-0.166	0.368	452.577	1
7280_7280	7280	7280	-84.279	-23.374	-0.024	-0.117	-0.991	-493.938	1
7280_7281	7280	7281	77.712	-25.387	0.024	0.094	0.432	459.041	1
7281_7281	7281	7281	-70.072	-23.339	0.097	0.142	-3.386	-529.794	1
7281_7282	7281	7282	72.444	-25.894	0.015	-0.18	0.703	521.92	1
7282_7282	7282	7282	-68.679	-30.33	0.088	-0.197	-1.874	-528.156	1
7282_7283	7282	7283	73.676	-20.133	0.015	0.152	0.479	496.251	1
7283_7283	7283	7283	-63.384	-27.211	-0.004	0.148	-0.847	-471.116	1
7283_7284	7283	7284	79.469	-23.179	0.202	-0.259	2.464	513.352	1
7284_7284	7284	7284	-62.693	-33.405	-0.02	-0.255	-1.274	-451.439	1
7284_7285	7284	7285	81.947	-18.46	0.193	0.23	4.562	498.492	1
7285_7285	7285	7285	-59.141	-31.741	0.057	0.089	-2.204	-393.982	1
7285_7286	7285	7286	86.27	-22.444	-0.115	-0.264	3.993	510.412	1
7286_7286	7286	7286	-59.137	-36.203	0.083	0	-2.243	-370.271	1
7286_7287	7286	7287	88.137	-18.922	-0.141	-0.05	3.189	503.346	1
7287_7287	7287	7287	-58.492	-40.389	0.116	-0.178	-2.003	-341.334	1
7287_7288	7287	7288	88.961	-15.624	-0.178	0.209	2.018	489.598	1
7288_7288	7288	7288	-12.333	-8.812	-0.119	-0.019	-0.312	-322.333	1
7288_7289	7288	7289	14.939	-47.254	0.15	-0.015	3.534	430.059	1
7289_7289	7289	7289	-23.032	-13.738	-0.143	-0.367	-2.32	-473.869	1
7289_7290	7289	7290	26.598	-41.409	0.147	0.245	5.35	553.909	1
7290_7290	7290	7290	-32.627	-12.173	0.017	0.092	-4.435	-565.203	1
7290_7291	7290	7291	36.246	-44.891	0.038	-0.153	5.709	623.13	1
7291_7291	7291	7291	-40.854	-15.429	0.006	0.062	-4.662	-642.368	1
7291_7292	7291	7292	46.164	-40.261	0.044	-0.113	6.152	703.276	1
7292_7292	7292	7292	-57.311	-19.529	-0.008	-0.395	-3.43	-657.956	1
7292_7293	7292	7293	58.895	-37.797	0.032	0.321	4.266	677.648	1
7293_7293	7293	7293	-60.082	-12.538	0.051	0.206	-3.606	-679.221	1
7293_7294	7293	7294	68.098	-44.666	-0.056	-0.275	3.848	766.751	1
7294_7294	7294	7294	-67.444	-15.541	0.055	0.011	-3.419	-754.345	1
7294_7295	7294	7295	76.039	-40.009	-0.049	-0.051	3.397	849.885	1
7295_7295	7295	7295	-63.284	-19.618	0.09	-0.516	-4.732	-888.936	1
7295_7296	7295	7296	68.921	-36.689	-0.062	0.422	4.765	966.876	1
7296_7296	7296	7296	-66.785	-16.801	0.045	0.351	-4.256	-936.663	1
7296_7297	7296	7297	76.501	-38.161	-0.068	-0.464	4.083	1067.533	1
7297_7297	7297	7297	-73.742	-21.802	0.047	-0.348	-3.908	-1030.468	1
7297_7298	7297	7298	80.221	-32.418	-0.069	0.271	3.241	1116.776	1
7298_7298	7298	7298	-77.847	-19.736	0.048	0.589	-3.415	-1085.633	1
7298_7299	7298	7299	85.45	-35.296	-0.044	-0.741	2.611	1186.057	1
7299_7299	7299	7299	-83.765	-24.998	0.044	-0.514	-2.874	-1164.393	1
7299_7300	7299	7300	86.729	-29.174	-0.039	0.396	1.96	1202.703	1
7300_7300	7300	7300	-86.047	-22.554	0.061	0.546	-2.28	-1194.58	1
7300_7301	7300	7301	89.793	-32.36	-0.054	-0.654	1.143	1242.963	1
7301_7301	7301	7301	-89.968	-28.215	0.057	-0.518	-1.465	-1246.5	1
7301_7302	7301	7302	88.582	-26.804	-0.047	0.409	0.468	1225.989	1
7302_7302	7302	7302	-89.751	-24.744	0.037	0.614	-0.728	-1243.328	1
7302_7303	7302	7303	89.325	-29.795	-0.026	-0.699	0.034	1234.285	1
7303_7303	7303	7303	-91.678	-30.683	0.031	-0.642	-0.195	-1268.607	1
7303_7304	7303	7304	85.72	-24.406	-0.02	0.509	-0.229	1184.122	1
7304_7304	7304	7304	-89.457	-26.77	0.019	0.634	0.172	-1238.571	1
7304_7305	7304	7305	83.338	-27.141	-0.008	-0.666	-0.325	1148.949	1
7305_7305	7305	7305	-89.353	-32.287	0.013	-0.536	0.385	-1236.376	1
7305_7306	7305	7306	74.962	-20.504	-0.002	0.385	-0.317	1032.1	1
7306_7306	7306	7306	-84.414	-29.936	-0.013	0.607	0.5	-1169.23	1
7306_7307	7306	7307	65.002	-20.087	0.008	-0.552	-0.159	892.082	1
7307_7307	7307	7307	-80.275	-36.246	-0.016	-0.583	0.298	-1111.907	1
7307_7308	7307	7308	48.595	-12.678	0.007	0.304	-0.025	664.852	1
7308_7308	7308	7308	-70.057	-36.971	0.082	0.474	0.075	-972.508	1
7308_7309	7308	7309	33.363	-9.585	-0.017	-0.3	-0.216	455.464	1
7309_7309	7309	7309	-56.639	-44.693	0.06	-0.422	0.814	-788.8	1
7309_7310	7309	7310	20.646	-5.117	-0.014	0.134	-0.367	281.373	1

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7310_7310	7310	7310	-34.538	-50.686	-0.089	0.035	1.195	-487.39	1
7310_7311	7310	7311	2.07	-2.504	-0.571	0.025	0	6.308	1
7400_7020	7400	7020	29.477	-16.594	2.885	-0.034	-1.017	-426.396	1
7400_7401	7400	7401	-20.534	-1.164	-1.163	-0.04	13.962	-104.478	1
7401_7401	7401	7401	26.826	-13.827	-0.457	0.655	9.444	-364.497	1
7401_7402	7401	7402	-19.738	-1.272	-0.993	0.371	9.839	-98.335	1
7402_7402	7402	7402	26.463	-13.185	-0.485	-0.165	7.469	-317.058	1
7402_7403	7402	7403	-25.005	-1.812	-1.124	-0.072	-0.523	-88.807	1
7403_7403	7403	7403	22.82	-10.251	-0.063	0.086	1.957	-174.227	1
7403_7404	7403	7404	-32.434	-2.739	0.001	0.087	-0.196	-76.918	1
7404_7404	7404	7404	23.053	-9.717	-0.075	-0.011	1.482	-100.335	1
7404_7405	7404	7405	-36.229	-3.546	0.016	0.045	-0.033	-55.019	1
7405_7405	7405	7405	21.555	-7.677	-0.05	0.029	0.882	-27.83	1
7405_7406	7405	7406	-41.025	-4.93	-0.067	0.078	-0.755	13.142	1
7406_7406	7406	7406	20.322	-6.488	0.109	0.019	0.261	86.914	1
7406_7407	7406	7407	-45.616	-6.568	0.929	0.138	7.701	68.511	1
7407_7407	7407	7407	20.454	-6.061	0.108	0.007	1.234	144.398	1
7407_7408	7407	7408	-46.975	-7.551	0.924	-0.015	12.752	108.732	1
7408_7408	7408	7408	22.881	-10.385	-0.813	0.172	4.663	157.869	1
7408_7409	7408	7409	-6.812	-0.111	-0.277	0.423	4.688	26.346	1
7409_7409	7409	7409	-13.488	-0.216	-0.037	-0.703	8.27	47.585	1
7409_7410	7409	7410	-21.479	-10.159	-0.572	-0.083	-0.995	-158.642	1
7410_7410	7410	7410	51.251	-7.269	0.304	-0.089	-3.532	-110.329	1
7410_7411	7410	7411	-20.108	-5.948	0.031	0.033	-0.595	-144.08	1
7411_7411	7411	7411	49.775	-6.207	0.311	-0.072	-2.046	-71.573	1
7411_7412	7411	7412	-20.197	-6.37	0.038	-0.002	-0.248	-86.519	1
7412_7412	7412	7412	50.578	-4.664	0.024	-0.072	0.623	-18.078	1
7412_7413	7412	7413	-20.434	-7.485	-0.047	0.021	-0.892	23.478	1
7413_7413	7413	7413	49.606	-3.309	-0.073	-0.033	0.821	46.585	1
7413_7414	7413	7414	-21.235	-9.435	-0.072	0.051	-1.516	94.892	1
7414_7414	7414	7414	45.439	-2.216	-0.041	-0.092	0.213	67	1
7414_7415	7414	7415	-23.18	-9.943	-0.089	0.014	-2.206	168.346	1
7415_7415	7415	7415	44.504	-1.143	1.753	0.068	-0.287	78.425	1
7415_7416	7415	7416	-26.192	-12.822	-0.562	0.042	-8.573	306.402	1
7416_7416	7416	7416	4.758	-0.213	0.328	-0.085	3.614	17.554	1
7416_7417	7416	7417	-26.83	-13.459	-0.613	0.013	-11.004	352.274	1
7417_7417	7417	7417	33.592	-0.25	1.001	0.049	20.735	71.716	1
7417_7036	7417	7036	-27.46	-16.196	2.91	-0.036	0.086	417.309	1
7420_7056	7420	7056	30.58	-15.379	2.922	-0.029	-1.447	-372.761	1
7420_7421	7420	7421	-14.71	-0.465	-1.077	-0.03	9.035	-63.048	1
7421_7421	7421	7421	27.841	-12.581	-0.537	0.3	8.895	-316.279	1
7421_7422	7421	7422	-15.059	-0.576	-0.696	0.186	6.514	-61.993	1
7422_7422	7422	7422	27.452	-11.917	-0.537	-0.056	6.796	-273.341	1
7422_7423	7422	7423	-20.86	-1.004	-0.912	-0.02	-1.159	-62.712	1
7423_7423	7423	7423	23.65	-9	-0.014	0.077	0.9	-145.876	1
7423_7424	7423	7424	-27.747	-1.763	0.062	0.075	-0.599	-57.962	1
7424_7424	7424	7424	21.939	-8.443	-0.033	-0.01	0.768	-79.68	1
7424_7425	7424	7425	-46.087	-2.498	-0.112	-0.087	-0.678	-39.962	1
7425_7425	7425	7425	21.406	-6.484	-0.025	0.022	0.467	-16.441	1
7425_7426	7425	7426	-46.886	-3.68	0.046	-0.07	-0.102	10.749	1
7426_7426	7426	7426	21.267	-5.335	0.075	-0.022	0.148	78.445	1
7426_7427	7426	7427	-41.621	-5.121	0.723	0.104	5.504	46.984	1
7427_7427	7427	7427	21.372	-4.9	0.059	0.067	0.862	125.678	1
7427_7428	7427	7428	-47.4	-6.043	-0.168	-0.025	-2.884	86.452	1
7428_7428	7428	7428	22.276	-9.37	-0.509	0.118	2.715	140.093	1
7428_7429	7428	7429	12.414	-0.428	-0.154	-0.519	-4.882	-37.403	1
7429_7429	7429	7429	-11.954	-0.432	0.112	-0.712	6.814	35.272	1
7429_7430	7429	7430	-22.37	-9.358	-0.52	-0.02	-1.506	-140.236	1
7430_7430	7430	7430	43.096	-6.238	0.431	0.088	-5.143	-84.871	1
7430_7431	7430	7431	-21.431	-4.897	0.041	0.114	-0.843	-125.858	1
7431_7431	7431	7431	41.81	-5.361	0.382	0.073	-2.839	-51.771	1
7431_7432	7431	7432	-21.327	-5.332	0.068	-0.047	-0.16	-78.653	1
7432_7432	7432	7432	37.462	-3.836	-0.067	0.073	0.755	-7.021	1
7432_7433	7432	7433	-21.509	-6.465	-0.026	0.022	-0.488	16.013	1
7433_7433	7433	7433	33.063	-2.612	0.096	0.056	-0.027	45.74	1
7433_7434	7433	7434	-22.095	-8.4	-0.03	0.001	-0.772	78.96	1
7434_7434	7434	7434	27.748	-1.896	0.076	0.069	0.628	59.561	1
7434_7435	7434	7435	-23.817	-8.963	-0.015	0.068	-0.902	144.92	1
7435_7435	7435	7435	21.225	-1.112	-1.085	-0.042	1.3	66.626	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7435_7436	7435	7436	-27.629	-11.888	-0.578	-0.106	-7.213	272.252	1
7436_7436	7436	7436	15.192	-0.691	-0.858	0.258	-8.026	67.11	1
7436_7437	7436	7437	-28.018	-12.549	-0.56	0.476	-9.472	315.102	1
7437_7437	7437	7437	15.216	-0.575	-1.005	-0.039	-11.409	69.52	1
7437_7072	7437	7072	-30.735	-15.404	2.826	-0.037	0.515	371.83	1
7440_7094	7440	7094	31.364	-15.177	2.848	-0.047	-1.911	-359.7	1
7440_7441	7440	7441	-14.141	-0.556	-1.066	-0.029	5.946	-64.617	1
7441_7441	7441	7441	27.811	-12.31	-0.522	0.21	8.193	-305.862	1
7441_7442	7441	7442	-13.444	-0.663	-0.435	0.123	3.922	-60.735	1
7442_7442	7442	7442	27.446	-11.636	-0.515	-0.013	6.217	-263.706	1
7442_7443	7442	7443	-19.534	-1.063	-0.647	0.011	-1.038	-61.279	1
7443_7443	7443	7443	23.724	-8.687	-0.008	0.04	0.554	-139.135	1
7443_7444	7443	7444	-26.617	-1.789	0.072	0.055	-0.476	-56.589	1
7444_7444	7444	7444	22.051	-8.123	-0.007	0.043	0.505	-75.3	1
7444_7445	7444	7445	-29.675	-2.458	0.068	0.088	-0.009	-42.062	1
7445_7445	7445	7445	21.56	-6.188	-0.027	0.029	0.403	-14.561	1
7445_7446	7445	7446	-34.533	-3.576	-0.078	0.084	-0.9	6.131	1
7446_7446	7446	7446	21.402	-5.041	0.111	-0.073	0.021	76.035	1
7446_7447	7446	7447	-39.101	-4.991	0.442	0.078	3.258	46.984	1
7447_7447	7447	7447	21.313	-4.61	0.062	0.164	1.06	121.322	1
7447_7448	7447	7448	-40.761	-5.799	0.521	0.112	6.087	76.891	1
7448_7448	7448	7448	22.502	-9.125	-0.519	0.107	2.37	134.021	1
7448_7449	7448	7449	12.331	-0.394	-0.105	-0.774	-5.036	-37.205	1
7449_7449	7449	7449	-8.707	-0.248	-0.161	-0.513	3.328	27.37	1
7449_7450	7449	7450	-22.054	-9.057	-0.565	0.147	-2.743	-134.163	1
7450_7450	7450	7450	42.134	-6.01	0.538	0.036	-6.981	-79.548	1
7450_7451	7450	7451	-21.332	-4.631	0.108	-0.021	-0.896	-120.583	1
7451_7451	7451	7451	40.809	-5.174	0.565	0.133	-4.086	-48.044	1
7451_7452	7451	7452	-21.235	-5.059	0.101	0.039	-0.02	-75.818	1
7452_7452	7452	7452	36.201	-3.703	-0.1	0.09	1.147	-5.663	1
7452_7453	7452	7453	-21.312	-6.189	-0.028	0.029	-0.371	14.84	1
7453_7453	7453	7453	31.148	-2.531	0.092	0.079	-0.049	44.23	1
7453_7454	7453	7454	-21.677	-8.105	-0.015	0.023	-0.521	75.545	1
7454_7454	7454	7454	28.213	-1.826	0.081	0.076	0.582	59.446	1
7454_7455	7454	7455	-23.231	-8.654	-0.007	0.061	-0.58	139.229	1
7455_7455	7455	7455	21.317	-1.047	-0.794	-0.001	1.254	64.834	1
7455_7456	7455	7456	-26.77	-11.591	-0.493	-0.048	-5.995	263.446	1
7456_7456	7456	7456	15.303	-0.628	-0.611	0.184	-5.52	64.392	1
7456_7457	7456	7457	-27.131	-12.219	-0.485	0.319	-7.871	305.143	1
7457_7457	7457	7457	15.335	-0.51	-0.978	-0.037	-7.951	66.58	1
7457_7110	7457	7110	-29.708	-15.143	2.8	-0.039	2.383	361.005	1
7460_7132	7460	7132	38.348	-17.149	1.896	-0.047	0.219	-369.985	1
7460_7461	7460	7461	18.357	-1.156	-0.204	-0.023	7.927	33.952	1
7461_7461	7461	7461	32.882	-12.693	-0.56	-0.036	8.052	-304.381	1
7461_7462	7461	7462	-9.09	-1.521	-0.316	0.041	3.088	-62.454	1
7462_7462	7462	7462	29.845	-11.959	-0.494	0.056	5.776	-266.012	1
7462_7463	7462	7463	-12.776	-1.778	-0.435	0.024	-0.537	-49.125	1
7463_7463	7463	7463	25.876	-9.049	-0.03	-0.008	0.564	-139.459	1
7463_7464	7463	7464	-16.793	-2.321	0.041	0.019	-0.12	-36.079	1
7464_7464	7464	7464	25.455	-8.445	0.002	0.089	0.386	-74.549	1
7464_7465	7464	7465	-21.294	-2.777	0.016	0.081	0.009	-19.977	1
7465_7465	7465	7465	23.504	-6.597	-0.018	0.029	0.368	-13.587	1
7465_7466	7465	7466	-25.826	-3.619	-0.03	0.056	-0.284	29.361	1
7466_7466	7466	7466	21.924	-5.57	-0.034	0.059	0.118	82.87	1
7466_7467	7466	7467	-54.564	-5.237	0.29	-0.033	1.939	36.628	1
7467_7467	7467	7467	21.432	-5.126	-0.009	-0.062	-0.181	132.437	1
7467_7468	7467	7468	-57.093	-6.384	0.235	-0.107	3.239	69.437	1
7468_7468	7468	7468	43.02	-11.027	-0.362	-0.037	-1.98	98.571	1
7468_7469	7468	7469	17.036	-1.176	0.47	-0.308	-0.632	-29.764	1
7469_7469	7469	7469	-16.612	-1.601	0.335	-0.222	0.45	14.266	1
7469_7470	7469	7470	-40.713	-11.129	-0.46	0.065	1.434	-107.998	1
7470_7470	7470	7470	37.479	-6.442	-0.004	0.064	0.237	-110.211	1
7470_7471	7470	7471	-22.343	-5.312	-0.029	0.004	0.09	-133.208	1
7471_7471	7471	7471	36.224	-5.674	0.014	0.074	0.118	-76.257	1
7471_7472	7471	7472	-22.226	-5.78	-0.032	0.028	-0.207	-81.976	1
7472_7472	7472	7472	32.515	-4.45	-0.044	0.066	0.429	-28.473	1
7472_7473	7472	7473	-23.505	-6.934	-0.01	0.032	-0.3	19.119	1
7473_7473	7473	7473	29.618	-3.38	0.078	0.024	-0.037	34.013	1
7473_7474	7473	7474	-24.62	-9	-0.034	-0.027	-0.534	84.394	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7474_7474	7474	7474	27.085	-2.729	0.035	0.092	0.479	56.336	1
7474_7475	7474	7475	-24.973	-9.578	-0.003	0.107	-0.598	153.235	1
7475_7475	7475	7475	22.38	-1.979	-0.597	0.014	0.868	71.328	1
7475_7476	7475	7476	-28.748	-12.688	-0.433	0.012	-5.25	288.502	1
7476_7476	7476	7476	18.371	-1.494	-0.489	0.108	-4.596	85.988	1
7476_7477	7476	7477	-31.593	-13.386	-0.471	0.089	-7.201	329.558	1
7477_7477	7477	7477	18.417	-1.401	-0.441	-0.026	-6.607	91.199	1
7477_7148	7477	7148	-32.54	-16.349	2.861	-0.041	3.73	394.27	1
7480_7168	7480	7168	35.083	-16.714	2.587	-0.035	-2.608	-405.168	1
7480_7481	7480	7481	-14.323	-1.049	-0.472	-0.023	6.063	-70.741	1
7481_7481	7481	7481	34.133	-13.804	-0.508	-0.461	6.951	-339.105	1
7481_7482	7481	7482	-12.779	-1.151	-0.389	-0.03	3.884	-63.738	1
7482_7482	7482	7482	31.076	-13.055	-0.395	0.188	5.082	-297.138	1
7482_7483	7482	7483	-17.506	-1.518	-0.538	0.049	-0.815	-55.163	1
7483_7483	7483	7483	26.946	-9.943	-0.028	0.042	0.789	-158.322	1
7483_7484	7483	7484	-23.328	-2.164	0.057	0.039	-0.341	-44.759	1
7484_7484	7484	7484	26.542	-9.324	-0.027	0.031	0.589	-86.894	1
7484_7485	7484	7485	-27.53	-2.746	0.059	0.052	0.068	-28.011	1
7485_7485	7485	7485	24.685	-7.261	-0.023	0.026	0.377	-19	1
7485_7486	7485	7486	-31.248	-3.79	-0.04	0.052	-0.373	24.797	1
7486_7486	7486	7486	23.688	-6.092	-0.019	0.062	0.076	86.884	1
7486_7487	7486	7487	-34.93	-5.073	-0.002	0.079	-0.231	67.622	1
7487_7487	7487	7487	23.406	-5.609	0.004	-0.067	-0.121	141.024	1
7487_7488	7487	7488	-58.278	-5.851	0.194	-0.088	2.787	53.64	1
7488_7488	7488	7488	44.294	-11.816	-0.53	0.039	-1.464	110.402	1
7488_7489	7488	7489	19.109	-1.744	0.235	-0.288	-1.336	-18.936	1
7489_7489	7489	7489	-14.972	-1.316	0.386	-0.294	0.979	19.508	1
7489_7490	7489	7490	-45.676	-12.108	-0.51	0.04	1.51	-113.302	1
7490_7490	7490	7490	34.027	-5.851	-0.016	0.106	0.575	-104.95	1
7490_7491	7490	7491	-24.1	-5.606	-0.019	0.095	-0.173	-142.675	1
7491_7491	7491	7491	32.475	-5.15	-0.037	0.027	0.411	-74.657	1
7491_7492	7491	7492	-24.408	-6.115	-0.002	-0.034	-0.103	-88.337	1
7492_7492	7492	7492	28.82	-4.007	-0.028	0.05	0.256	-31.687	1
7492_7493	7492	7493	-26.087	-7.326	-0.024	0.027	-0.452	18.477	1
7493_7493	7493	7493	24.084	-3.062	0.026	0.076	-0.012	23.058	1
7493_7494	7493	7494	-27.554	-9.467	-0.007	0.086	-0.523	86.972	1
7494_7494	7494	7494	20.917	-2.544	0.055	0.01	0.192	42.422	1
7494_7495	7494	7495	-27.98	-10.113	-0.04	-0.019	-0.767	159.621	1
7495_7495	7495	7495	15.245	-1.973	-0.372	0.012	0.633	55.168	1
7495_7496	7495	7496	-32.278	-13.266	-0.341	0.012	-4.475	300.811	1
7496_7496	7496	7496	11.371	-1.652	-0.27	0.058	-2.446	69.946	1
7496_7497	7496	7497	-35.423	-14.06	-0.381	0.068	-6.115	343.858	1
7497_7497	7497	7497	12.108	-1.562	-0.726	-0.019	-3.747	77.171	1
7497_7184	7497	7184	-36.457	-16.912	2.453	-0.047	3.243	410.768	1
7500_7204	7500	7204	31.875	-16.785	2.343	-0.051	-3.834	-431.579	1
7500_7501	7500	7501	-7.641	-0.229	-0.631	-0.033	4.906	-35.469	1
7501_7501	7501	7501	31.2	-14.082	-0.265	0.165	5.344	-364.215	1
7501_7502	7501	7502	-8.43	-0.307	-0.4	0.1	3.798	-36.807	1
7502_7502	7502	7502	30.495	-13.339	-0.255	-0.005	4.236	-316.367	1
7502_7503	7502	7503	-42.016	-0.69	0.78	-0.005	0.73	-67.742	1
7503_7503	7503	7503	26.772	-10.445	-0.034	0.12	1.382	-173.234	1
7503_7504	7503	7504	-48.309	-1.76	-0.098	-0.012	-0.063	-67.128	1
7504_7504	7504	7504	24.575	-9.866	-0.065	-0.043	1.049	-96.599	1
7504_7505	7504	7505	-52.617	-2.938	-0.026	-0.107	-0.352	-49.86	1
7505_7505	7505	7505	22.891	-7.865	-0.031	0.02	0.504	-21.321	1
7505_7506	7505	7506	-53.406	-4.397	-0.024	-0.068	-0.702	10.162	1
7506_7506	7506	7506	22.533	-6.65	0.071	0.065	0.074	94.07	1
7506_7507	7506	7507	-53.922	-6.098	0.172	-0.048	0.821	61.099	1
7507_7507	7507	7507	22.607	-6.186	0.089	-0.091	0.635	153.201	1
7507_7508	7507	7508	-55.906	-7.229	0.089	-0.118	1.067	98.858	1
7508_7508	7508	7508	24.216	-10.877	-0.474	0.029	1.896	168.275	1
7508_7509	7508	7509	12.24	-0.468	0.446	-0.431	-2.564	-29.348	1
7509_7509	7509	7509	-12.307	-0.704	-0.303	-0.401	2.564	29.376	1
7509_7510	7509	7510	-23.383	-10.974	-0.646	0.238	-3.725	-173.64	1
7510_7510	7510	7510	50.23	-7.132	0.739	0.039	-9.571	-98.094	1
7510_7511	7510	7511	-22.834	-6.314	0.135	0.086	-1.535	-152.919	1
7511_7511	7511	7511	48.486	-6.112	0.705	0.096	-5.569	-60.946	1
7511_7512	7511	7512	-22.699	-6.782	0.153	-0.025	-0.116	-92.872	1
7512_7512	7512	7512	43.285	-4.354	-0.072	0.07	0.851	-9.884	1

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7512_7513	7512	7513	-23.869	-8.077	-0.044	0.032	-0.705	26.946	1
7513_7513	7513	7513	38.013	-2.912	0.022	0.057	0.011	50.003	1
7513_7514	7513	7514	-26.237	-10.15	-0.02	0.026	-0.892	103.155	1
7514_7514	7514	7514	32.947	-2.09	0.022	0.052	0.195	66.206	1
7514_7515	7514	7515	-25.995	-10.757	-0.019	0.051	-1.027	180.685	1
7515_7515	7515	7515	25.172	-1.183	-0.418	-0.09	0.502	73.51	1
7515_7516	7515	7516	-30.64	-13.635	-0.183	-0.386	-3.154	327.516	1
7516_7516	7516	7516	16.966	-0.692	-0.348	0.314	-2.542	70.564	1
7516_7517	7516	7517	-31.067	-14.374	-0.068	1.199	-3.916	376.672	1
7517_7517	7517	7517	17.81	-0.615	-1.072	-0.026	-4.298	74.986	1
7517_7220	7517	7220	-34.073	-17.073	2.358	0.051	3.564	439.732	1
7520_7240	7520	7240	34.965	-11.136	5.647	0.681	-3.039	-447.412	1
7520_7521	7520	7521	-74.129	-10.076	-2.346	-0.15	-20.463	-59.755	1
7521_7521	7521	7521	40.783	-15.803	-0.513	0.921	14.02	-423.464	1
7521_7522	7521	7522	-9.816	-0.389	-0.585	0.227	6.146	-44.599	1
7522_7522	7522	7522	38.78	-14.847	-0.511	-0.128	11.17	-370.862	1
7522_7523	7522	7523	-16.926	-0.717	-0.822	-0.017	0.148	-53.657	1
7523_7523	7523	7523	36.46	-12.143	-0.239	0.205	5.199	-209.306	1
7523_7524	7523	7524	-28.369	-1.576	-0.025	0.111	0.041	-54.891	1
7524_7524	7524	7524	34.392	-11.323	-0.298	-0.112	3.278	-119.391	1
7524_7525	7524	7525	-54.25	-2.712	0.02	-0.11	0.231	-52.264	1
7525_7525	7525	7525	33.144	-9.168	-0.172	-0.004	0.921	-35.321	1
7525_7526	7525	7526	-58.604	-4.331	-0.078	-0.061	-0.576	3.7	1
7526_7526	7526	7526	31.601	-7.632	0.03	-0.225	-1.678	101.104	1
7526_7527	7526	7527	-59.52	-6.324	1.249	-0.061	10.776	55.554	1
7527_7527	7527	7527	31.751	-6.981	-0.046	0.251	-1.213	168.684	1
7527_7528	7527	7528	-59.374	-7.545	1.415	-0.135	18.705	97.472	1
7528_7528	7528	7528	31.625	-13.488	0.244	-0.539	-4.661	189.617	1
7528_7529	7528	7529	15.532	-0.669	0.353	-1.472	-12.589	-43.737	1
7529_7529	7529	7529	-14.792	-0.756	-0.237	0.37	-3.427	35.997	1
7529_7530	7529	7530	-32.721	-13.429	-0.541	0.703	-7.469	-193.175	1
7530_7530	7530	7530	51.314	-7.052	1.558	0.019	-21.563	-96.433	1
7530_7531	7530	7531	-31.825	-6.711	-0.032	0.368	-3.569	-172.749	1
7531_7531	7531	7531	51.455	-5.986	1.375	0.093	-12.814	-57.256	1
7531_7532	7531	7532	-32.634	-7.387	0.154	-0.133	-2.68	-104.515	1
7532_7532	7532	7532	44.936	-4.268	0.145	0.046	-0.552	-8.56	1
7532_7533	7532	7533	-34.036	-8.913	0.186	0.019	0.188	26.077	1
7533_7533	7533	7533	38.372	-2.784	0.095	-0.024	1.551	49.309	1
7533_7534	7533	7534	-36.554	-11.095	0.147	-0.123	1.347	109.169	1
7534_7534	7534	7534	32.906	-1.972	0.018	0.075	2.032	64.131	1
7534_7535	7534	7535	-37.64	-11.943	0.22	0.09	2.872	196.006	1
7535_7535	7535	7535	23.162	-1.101	0.082	-0.026	2.049	67.934	1
7535_7536	7535	7536	-41.072	-14.783	-0.133	-0.314	1.381	355.823	1
7536_7536	7536	7536	16.429	-0.627	0.019	0.109	2.371	66.109	1
7536_7537	7536	7537	-41.536	-15.764	-0.027	0.657	1.006	409.599	1
7537_7537	7537	7537	18.478	-0.601	-1.064	-0.744	2.705	72.546	1
7537_7253	7537	7253	-45.444	-17.929	0.036	-0.039	0.779	473.613	1
7540_7275	7540	7275	44.701	-16.083	-0.168	0.139	-2.187	-456.398	1
7540_7541	7540	7541	-8.954	-0.301	0.005	0.082	-4.883	-24.58	1
7541_7541	7541	7541	41.211	-14.735	0.612	0.78	-2.286	-397.6	1
7541_7542	7541	7542	-7.071	-0.276	0.272	-0.038	-3.383	-19.968	1
7542_7542	7542	7542	39.591	-13.713	0.512	0.045	-0.076	-347.867	1
7542_7543	7542	7543	-35.007	-0.795	0.374	-0.016	0.573	-58.175	1
7543_7543	7543	7543	36.634	-11.493	-0.167	0.28	5.052	-197.143	1
7543_7544	7543	7544	-48.611	-1.752	-0.186	0.067	0.605	-68.962	1
7544_7544	7544	7544	36.895	-10.626	-0.26	-0.132	3.742	-114.274	1
7544_7545	7544	7545	-54.993	-2.975	-0.058	-0.153	0.296	-53.87	1
7545_7545	7545	7545	33.904	-8.854	-0.326	-0.047	1.253	-31.597	1
7545_7546	7545	7546	-59.64	-4.703	-0.061	-0.084	-0.064	7.082	1
7546_7546	7546	7546	32.739	-7.49	-0.116	-0.348	-3.62	99.73	1
7546_7547	7546	7547	-60.976	-7.01	2.047	-0.064	18.623	65.159	1
7547_7547	7547	7547	32.889	-6.801	-0.208	0.263	-4.419	166.083	1
7547_7548	7547	7548	-60.808	-8.287	2.247	-0.254	31.189	111.159	1
7548_7548	7548	7548	31.924	-13.706	0.959	-1.495	-11.87	188.579	1
7548_7549	7548	7549	11.492	-0.269	0.454	-1.733	-12.685	-42.154	1
7549_7549	7549	7549	8.679	-0.433	-0.436	1.711	-11.307	-37.135	1
7549_7550	7549	7550	-39.359	-14.813	-1.08	1.911	-16.237	-176.456	1
7550_7550	7550	7550	52.193	-8.066	2.276	-0.12	-33.087	-105.894	1
7550_7551	7550	7551	-35.272	-6.689	0.085	0.275	-6.289	-167.07	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7551_7551	7551	7551	50.581	-6.861	2.123	0.211	-20.073	-63.225	1
7551_7552	7551	7552	-35.187	-7.515	0.169	0.029	-4.749	-103.587	1
7552_7552	7552	7552	46.171	-5.067	0.362	0.037	-2.04	-8.452	1
7552_7553	7552	7553	-38.316	-9.308	0.36	0.047	0.674	32.355	1
7553_7553	7553	7553	36.98	-3.446	0.27	0.003	2.97	56.224	1
7553_7554	7553	7554	-42.407	-11.577	0.383	-0.09	3.728	118.091	1
7554_7554	7554	7554	31.386	-2.584	0.212	-0.003	4.504	74.299	1
7554_7555	7554	7555	-42.762	-12.648	0.439	-0.019	6.795	207.353	1
7555_7555	7555	7555	20.517	-1.714	-0.522	-0.031	5.369	78.861	1
7555_7556	7555	7556	-45.642	-15.488	0.094	-0.212	7.943	371.718	1
7556_7556	7556	7556	14.848	-1.23	-0.521	0.034	-0.897	84.357	1
7556_7557	7556	7557	-49.597	-16.784	0.14	-0.27	8.706	421.435	1
7557_7557	7557	7557	39.11	-3.925	-5.527	-0.542	1.434	112.373	1
7557_7288	7557	7288	-45.309	-14.89	-2.806	-0.224	-3.829	490.528	1
47000_7000	47000	7000	-0.486	-3.456	0.955	0.703	0	-4.372	1
47000_7001	47000	7001	-0.836	-53.901	0.377	0.325	3.956	560.005	1
47001_7001	47001	7001	0.164	-5.49	-0.047	-0.075	-0.496	-327.748	1
47001_7002	47001	7002	-1.05	-45.951	0.502	0.379	9.997	906.606	1
47002_7002	47002	7002	0.317	-7.739	0.076	0.092	-2.272	-532.701	1
47002_7003	47002	7003	-1.246	-41.752	-0.412	-0.053	7.806	1234.703	1
47003_7003	47003	7003	0.441	-13.333	0.116	-0.527	-2.234	-765.892	1
47003_7004	47003	7004	-1.365	-33.896	-0.465	1.063	3.765	1403.631	1
47004_7004	47004	7004	0.759	-16.06	-0.013	0.633	-1.339	-1069.366	1
47004_7005	47004	7005	-1.429	-35.605	0.008	-0.812	4.937	1557.028	1
47005_7005	47005	7005	1.047	-24.048	-0.018	-1.393	-2.21	-1338.387	1
47005_7006	47005	7006	-1.46	-28.967	0.004	1.728	6.046	1602.739	1
47006_7006	47006	7006	1.239	-22.301	-0.068	0.751	-3.223	-1463.103	1
47006_7007	47006	7007	-1.467	-32.807	0.098	-0.798	8.297	1684.683	1
47007_7007	47007	7007	1.359	-29.049	-0.079	-1.774	-5.039	-1590.125	1
47007_7008	47007	7008	-1.46	-26.539	0.108	1.912	10.742	1676.406	1
47008_7008	47008	7008	1.426	-25.273	-0.189	0.791	-7.099	-1614.018	1
47008_7009	47008	7009	-1.446	-30.632	0.218	-0.888	14.617	1715.599	1
47009_7009	47009	7009	1.457	-31.681	-0.205	-1.879	-10.739	-1677.512	1
47009_7010	47009	7010	-1.429	-24.424	0.22	1.836	18.415	1668.857	1
47010_7010	47010	7010	1.465	-27.666	-0.168	0.769	-14.642	-1649.89	1
47010_7011	47010	7011	-1.41	-28.159	0.172	-0.9	21.484	1668.434	1
47011_7011	47011	7011	1.458	-34.078	-0.175	-1.716	-18.106	-1667.647	1
47011_7012	47011	7012	-1.388	-21.955	0.173	1.564	24.285	1584.036	1
47012_7012	47012	7012	1.444	-30.493	-0.366	0.925	-21.512	-1596.061	1
47012_7013	47012	7013	-1.356	-24.898	0.311	-1.069	28.484	1534.524	1
47013_7013	47013	7013	1.427	-37.025	-0.372	-1.527	-27.133	-1565.149	1
47013_7014	47013	7014	-1.299	-18.809	0.29	1.309	31.643	1415.6	1
47014_7014	47014	7014	1.409	-34.585	-0.23	0.319	-32.344	-1443.919	1
47014_7015	47014	7015	-1.183	-18.586	0.326	-0.364	35.076	1279.714	1
47015_7015	47015	7015	1.76	-43.526	-0.287	-0.627	-36.982	-1298.677	1
47015_7016	47015	7016	-0.974	-14.611	0.304	0.536	36.169	1159.056	1
47016_7016	47016	7016	2.377	-40.109	0.002	0.541	-39.509	-1166.215	1
47016_7017	47016	7017	-0.568	-15.177	-0.083	-0.83	32.543	1014.34	1
47017_7017	47017	7017	3.642	-46.796	0.065	-0.085	-38.689	-1014.723	1
47017_7018	47017	7018	-0.328	-8.902	-0.042	0.035	28.525	767.778	1
47018_7018	47018	7018	4.945	-49.627	-0.201	0.228	-35.566	-743.141	1
47018_7019	47018	7019	-0.137	-6.131	-0.085	-0.595	24.542	511.567	1
47019_7019	47019	7019	6.886	-56.995	-0.161	0.454	-35.679	-463.239	1
47019_7020	47019	7020	-0.248	-1.841	-0.153	-0.234	17.789	222.068	1
47020_7020	47020	7020	-50.636	-8.02	0.217	0.842	-41.353	-438.064	1
47020_7021	47020	7021	21.284	-51.538	0.368	-0.413	14.549	308.43	1
47021_7021	47021	7021	-44.646	-11.383	0.133	0.536	-34.987	-548.763	1
47021_7022	47021	7022	17.867	-46.299	0.447	-0.318	13.228	448.423	1
47022_7022	47022	7022	-39.682	-14.888	0.083	-0.227	-30.865	-621.984	1
47022_7023	47022	7023	15.354	-41.003	0.504	0.085	12.929	551.543	1
47023_7023	47023	7023	-34.247	-15.126	0.486	0.946	-27.686	-677.329	1
47023_7024	47023	7024	13.714	-40.155	-0.054	-0.516	8.62	661.6	1
47024_7024	47024	7024	-28.924	-19.052	0.45	0.186	-21.531	-738.625	1
47024_7025	47024	7025	12.901	-34.656	0.022	0.238	5.502	727.064	1
47025_7025	47025	7025	-23.912	-23.541	0.373	0.126	-16.102	-773.179	1
47025_7026	47025	7026	12.914	-29.506	0.112	0.268	3.754	751.353	1
47026_7026	47026	7026	-19.852	-21.839	0.417	0.825	-11.733	-778.818	1
47026_7027	47026	7027	13.447	-32.958	0.192	-0.427	3.439	789.127	1
47027_7027	47027	7027	-17.367	-25.25	0.337	0.997	-8.558	-801.384	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47027_7028	47027	7028	14.401	-28.971	0.283	-0.506	4.168	801.704	1
47028_7028	47028	7028	-15.513	-29.029	0.283	-0.425	-6.294	-808.869	1
47028_7029	47028	7029	15.803	-25.193	0.34	0.905	5.759	791.535	1
47029_7029	47029	7029	-14.16	-33.027	0.194	-0.476	-4.868	-793.511	1
47029_7030	47029	7030	17.729	-21.79	0.417	0.86	8.244	766.385	1
47030_7030	47030	7030	-13.266	-29.515	0.138	0.35	-4.474	-752.89	1
47030_7031	47030	7031	20.909	-23.496	0.36	0.049	11.626	757.359	1
47031_7031	47031	7031	-12.803	-34.672	0.052	0.245	-5.072	-725.318	1
47031_7032	47031	7032	24.847	-19.005	0.438	0.201	16.14	719.479	1
47032_7032	47032	7032	-13.158	-40.185	-0.023	-0.589	-7.026	-656.384	1
47032_7033	47032	7033	29.021	-15.086	0.477	1.017	21.443	655.044	1
47033_7033	47033	7033	-14.283	-40.954	0.481	-0.353	-10.188	-542.876	1
47033_7034	47033	7034	33.29	-14.865	0.147	0.655	24.432	596.85	1
47034_7034	47034	7034	-16.192	-46.267	0.371	0.089	-9.929	-436.927	1
47034_7035	47034	7035	37.177	-11.35	0.305	-0.049	29.383	520.454	1
47035_7035	47035	7035	-18.855	-51.523	0.312	-0.323	-11.153	-294.213	1
47035_7036	47035	7036	41.858	-7.98	0.377	0.954	36.97	407.297	1
47036_7036	47036	7036	-4.308	-4.087	0.075	0.614	-3.804	-246.865	1
47036_7037	47036	7037	-22.686	-54.998	-0.115	0.846	24.645	349.967	1
47037_7037	47037	7037	7.922	-6.65	-0.123	-0.313	-16.842	-455.27	1
47037_7038	47037	7038	-22.329	-47.613	-0.138	0.382	24.897	580.291	1
47038_7038	47038	7038	11.096	-9.441	-0.105	-0.001	-20.219	-683.511	1
47038_7039	47038	7039	-21.621	-44.716	0.124	0.154	28.353	796.947	1
47039_7039	47039	7039	14.446	-15.702	-0.187	-1.1	-24.035	-891.924	1
47039_7040	47039	7040	-20.182	-38.113	0.114	0.807	30.259	901.428	1
47040_7040	47040	7040	17.033	-15.215	0.151	0.79	-28.042	-996.211	1
47040_7041	47040	7041	-19.13	-41.338	0.008	-0.628	30.15	1001.626	1
47041_7041	47041	7041	18.338	-19.257	0.083	-0.83	-28.023	-1076.055	1
47041_7042	47041	7042	-17.506	-32.277	0.051	0.806	30.577	1087.991	1
47042_7042	47042	7042	19.323	-18.511	0.252	0.731	-29.101	-1139.286	1
47042_7043	47042	7043	-16.466	-35.078	-0.129	-0.642	28.353	1191.646	1
47043_7043	47043	7043	19.229	-24.898	0.212	-1.124	-27.445	-1217.409	1
47043_7044	47043	7044	-15.607	-28.083	-0.063	1.149	27.109	1208.662	1
47044_7044	47044	7044	18.497	-21.475	0.088	0.46	-26.07	-1224.708	1
47044_7045	47044	7045	-15.055	-31.599	-0.022	-0.268	26.403	1274.936	1
47045_7045	47045	7045	17.525	-28.154	0.064	-0.462	-25.878	-1279.562	1
47045_7046	47045	7046	-14.827	-24.715	0.009	0.645	26.032	1253.528	1
47046_7046	47046	7046	16.503	-24.342	-0.006	0.984	-25.819	-1252.118	1
47046_7047	47046	7047	-14.854	-28.435	0.089	-0.938	26.524	1284.734	1
47047_7047	47047	7047	15.645	-31.239	-0.053	-0.958	-26.524	-1278.693	1
47047_7048	47047	7048	-14.975	-21.714	0.126	1.012	27.333	1232.363	1
47048_7048	47048	7048	15.081	-27.63	-0.105	0.691	-27.804	-1217.19	1
47048_7049	47048	7049	-15.016	-25.036	0.217	-0.533	28.903	1225.718	1
47049_7049	47049	7049	14.849	-34.68	-0.15	-0.248	-29.674	-1205.188	1
47049_7050	47049	7050	-14.627	-18.6	0.232	0.426	30.343	1148.05	1
47050_7050	47050	7050	14.881	-31.802	0.011	0.717	-32.085	-1104.262	1
47050_7051	47050	7051	-13.368	-19.279	0.186	-0.706	30.766	1085.037	1
47051_7051	47051	7051	15.402	-41.068	-0.055	-0.557	-32.613	-1014.55	1
47051_7052	47051	7052	-12.138	-15.158	0.231	0.693	31.336	1000.747	1
47052_7052	47052	7052	15.963	-37.618	0.147	0.771	-33.472	-911.792	1
47052_7053	47052	7053	-9.829	-15.887	-0.215	-1.057	26.697	902.313	1
47053_7053	47053	7053	16.922	-44.402	0.184	0.174	-31.287	-811.745	1
47053_7054	47053	7054	-7.019	-9.488	-0.116	-0.006	22.363	701.109	1
47054_7054	47054	7054	17.322	-47.414	-0.269	0.393	-27.149	-594.749	1
47054_7055	47054	7055	-4.548	-6.581	-0.051	-0.495	19.758	475.092	1
47055_7055	47055	7055	17.728	-55.037	-0.245	0.787	-28.477	-363.548	1
47055_7056	47055	7056	12.379	-3.134	-0.07	0.773	-6.167	203.777	1
47056_7056	47056	7056	-45.064	-7.973	0.244	1.051	-35.856	-427.367	1
47056_7057	47056	7057	21.348	-50.894	0.374	-0.642	11.428	357.953	1
47057_7057	47057	7057	-40.295	-11.513	0.169	0.529	-29.581	-544.382	1
47057_7058	47057	7058	18.581	-45.595	0.444	-0.277	10.717	495.684	1
47058_7058	47058	7058	-36.348	-15.156	0.107	-0.252	-25.613	-628.343	1
47058_7059	47058	7059	16.547	-40.287	0.506	0.178	11.135	597.463	1
47059_7059	47059	7059	-31.914	-15.401	0.405	1.324	-22.814	-691.289	1
47059_7060	47059	7060	15.229	-39.785	-0.047	-0.962	7.631	706.47	1
47060_7060	47060	7060	-27.582	-19.378	0.387	0.449	-17.813	-758.722	1
47060_7061	47060	7061	14.617	-34.34	0.012	-0.011	5.091	770.374	1
47061_7061	47061	7061	-23.481	-23.92	0.352	-0.54	-13.305	-798.239	1
47061_7062	47061	7062	14.722	-29.256	0.074	0.81	3.613	792.897	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47062_062	47062	7062	-20.181	-22.065	0.338	1.283	-9.489	-807.26	1
47062_063	47062	7063	15.264	-32.959	0.179	-0.798	3.582	830.483	1
47063_063	47063	7063	-18.163	-25.468	0.302	0.007	-7.015	-832.518	1
47063_064	47063	7064	16.193	-29.001	0.228	0.61	4.302	842.863	1
47064_064	47064	7064	-16.662	-29.229	0.228	0.021	-5.155	-842.151	1
47064_065	47064	7065	17.532	-25.257	0.303	0.552	5.892	832.221	1
47065_065	47065	7065	-15.579	-33.189	0.156	-0.161	-4.155	-828.653	1
47065_066	47065	7066	19.382	-21.871	0.369	0.672	8.268	806.188	1
47066_066	47066	7066	-14.881	-29.425	0.043	0.185	-4.015	-789.806	1
47066_067	47066	7067	22.451	-23.731	0.351	0.43	11.767	796.465	1
47067_067	47067	7067	-14.571	-34.522	-0.034	0.082	-5.342	-766.122	1
47067_068	47067	7068	26.306	-19.209	0.41	0.528	16.091	756.728	1
47068_068	47068	7068	-14.978	-39.977	-0.109	-0.085	-7.826	-700.961	1
47068_069	47068	7069	30.397	-15.252	0.464	0.669	21.172	689.589	1
47069_069	47069	7069	-16.072	-40.432	0.485	0.168	-11.37	-590.502	1
47069_070	47069	7070	34.568	-15.063	0.134	-0.048	23.831	628.15	1
47070_070	47070	7070	-17.896	-45.745	0.419	-0.343	-10.728	-488.159	1
47070_071	47070	7071	38.291	-11.459	0.198	0.763	27.702	546.61	1
47071_071	47071	7071	-20.445	-51.045	0.323	-0.411	-11.265	-349.731	1
47071_072	47071	7072	42.805	-7.987	0.317	0.848	34.249	433.492	1
47072_072	47072	7072	-3.176	-3.614	0.039	0.509	-7.121	-198.778	1
47072_073	47072	7073	-19.412	-54.591	-0.202	0.888	25.034	393.417	1
47073_073	47073	7073	6.133	-6.638	-0.057	-0.347	-17.942	-475.226	1
47073_074	47073	7074	-18.596	-46.982	-0.225	0.466	23.893	634.252	1
47074_074	47074	7074	8.812	-9.542	-0.118	-0.113	-20.181	-706.442	1
47074_075	47074	7075	-17.517	-44.048	0.205	0.29	27.958	860.588	1
47075_075	47075	7075	11.683	-16.028	-0.215	-0.912	-24.062	-913.599	1
47075_076	47075	7076	-15.786	-37.33	0.173	0.784	30.316	970.464	1
47076_076	47076	7076	13.838	-15.208	0.218	0.272	-28.499	-1019.166	1
47076_077	47076	7077	-14.58	-40.952	-0.075	-0.151	29.343	1083.606	1
47077_077	47077	7077	14.784	-19.4	0.197	-0.607	-27.845	-1118.891	1
47077_078	47077	7078	-12.906	-32.573	0.007	0.762	28.83	1184.6	1
47078_078	47078	7078	15.294	-18.592	0.17	0.367	-26.913	-1196.092	1
47078_079	47078	7079	-11.932	-35.429	-0.167	-0.194	26.731	1287.663	1
47079_079	47079	7079	15.032	-24.643	0.165	-0.648	-25.949	-1282.937	1
47079_080	47079	7080	-11.166	-28.934	-0.14	0.821	24.782	1312.434	1
47080_080	47080	7080	14.192	-21.284	0.049	0.525	-24.628	-1307.671	1
47080_081	47080	7081	-10.677	-32.661	0.002	-0.385	24.463	1381.724	1
47081_081	47081	7081	13.161	-27.525	0.026	-0.68	-24.495	-1374.077	1
47081_082	47081	7082	-10.495	-26.244	0.023	0.818	24.352	1372.281	1
47082_082	47082	7082	12.157	-23.51	0.044	0.617	-24.531	-1366.687	1
47082_083	47082	7083	-10.648	-29.812	0.017	-0.48	24.128	1412.272	1
47083_083	47083	7083	11.278	-30.313	0.021	-0.476	-24.311	-1411.081	1
47083_084	47083	7084	-11.111	-23.048	0.04	0.612	24.186	1363.28	1
47084_084	47084	7084	10.709	-26.657	-0.035	0.733	-24.355	-1365.653	1
47084_085	47084	7085	-11.728	-27.069	0.085	-0.584	24.728	1367.327	1
47085_085	47085	7085	10.504	-33.109	-0.058	-0.357	-25.034	-1370.777	1
47085_086	47085	7086	-12.382	-20.874	0.102	0.505	25.336	1298.777	1
47086_086	47086	7086	10.606	-29.259	-0.163	1.267	-25.937	-1296.825	1
47086_087	47086	7087	-12.892	-24.311	0.19	-1.232	26.761	1274.036	1
47087_087	47087	7087	10.986	-35.79	-0.198	-0.792	-28.004	-1269.112	1
47087_088	47087	7088	-12.949	-18.284	0.206	0.841	27.994	1186.265	1
47088_088	47088	7088	11.573	-32.805	-0.01	0.94	-30.318	-1163.729	1
47088_089	47088	7089	-12.352	-19.483	0.186	-0.904	28.598	1114.669	1
47089_089	47089	7089	12.74	-40.853	-0.089	-0.635	-30.776	-1072.797	1
47089_090	47089	7090	-11.418	-15.252	0.212	0.714	29.079	1019.979	1
47090_090	47090	7090	13.715	-37.237	0.11	0.698	-31.634	-963.532	1
47090_091	47090	7091	-9.428	-15.888	-0.139	-0.818	25.317	911.766	1
47091_091	47091	7091	15.218	-44.063	0.136	0.333	-29.806	-853.567	1
47091_092	47091	7092	-6.868	-9.323	-0.066	-0.135	21.874	697.841	1
47092_092	47092	7092	16.158	-46.881	-0.246	0.399	-26.444	-628.181	1
47092_093	47092	7093	-4.508	-6.492	-0.044	-0.469	19.416	465.979	1
47093_093	47093	7093	17.018	-54.638	-0.223	0.723	-27.669	-387.788	1
47093_094	47093	7094	4.089	-3.618	-0.007	0.67	0.449	212.43	1
47094_094	47094	7094	-44.148	-7.929	0.262	0.975	-33.167	-425.443	1
47094_095	47094	7095	21.31	-50.594	0.342	-0.579	10.666	351.402	1
47095_095	47095	7095	-39.587	-11.46	0.181	0.565	-27.13	-537.936	1
47095_096	47095	7096	18.619	-45.188	0.415	-0.283	10.115	488.217	1
47096_096	47096	7096	-35.823	-15.14	0.124	-0.238	-23.375	-620.003	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47096_7097	47096	7097	16.619	-39.785	0.474	0.195	10.655	588.105	1
47097_7097	47097	7097	-31.554	-15.267	0.421	1.275	-20.746	-681.191	1
47097_7098	47097	7098	15.294	-39.538	-0.099	-0.91	7.108	696.758	1
47098_7098	47098	7098	-27.366	-19.282	0.408	0.443	-15.89	-748.155	1
47098_7099	47098	7099	14.625	-34.033	-0.045	-0.008	4.445	759.583	1
47099_7099	47099	7099	-23.386	-23.887	0.381	-0.535	-11.432	-787.15	1
47099_7100	47099	7100	14.631	-28.911	0.013	0.801	2.788	780.643	1
47100_7100	47100	7100	-20.186	-21.797	0.365	0.587	-7.569	-795.185	1
47100_7101	47100	7101	15.074	-32.966	0.151	0.151	2.801	819.428	1
47101_7101	47101	7101	-18.22	-25.211	0.328	-0.884	-5.106	-821.128	1
47101_7102	47101	7102	15.881	-28.964	0.197	1.638	3.533	832.596	1
47102_7102	47102	7102	-16.742	-29.002	0.199	1.599	-3.268	-831.456	1
47102_7103	47102	7103	17.08	-25.174	0.324	-0.854	5.434	822.394	1
47103_7103	47103	7103	-15.653	-33.006	0.153	0.199	-2.602	-818.414	1
47103_7104	47103	7104	18.776	-21.762	0.366	0.54	7.986	796.591	1
47104_7104	47104	7104	-14.926	-28.917	0.008	0.646	-2.646	-779.757	1
47104_7105	47104	7105	21.625	-23.843	0.393	-0.227	12.084	788.706	1
47105_7105	47105	7105	-14.54	-34.046	-0.053	-0.235	-4.476	-759.108	1
47105_7106	47105	7106	25.267	-19.233	0.423	0.776	16.804	749.731	1
47106_7106	47106	7106	-14.829	-39.558	-0.129	-0.303	-7.345	-696.587	1
47106_7107	47106	7107	29.131	-15.215	0.478	0.774	22.259	682.718	1
47107_7107	47107	7107	-15.774	-39.756	0.491	-0.073	-11.296	-588.103	1
47107_7108	47107	7108	33.098	-15.102	0.084	0.309	24.779	621.62	1
47108_7108	47108	7108	-17.417	-45.169	0.409	-0.079	-10.793	-488.73	1
47108_7109	47108	7109	36.586	-11.405	0.189	0.349	28.761	539.239	1
47109_7109	47109	7109	-19.763	-50.594	0.337	-0.404	-11.542	-351.807	1
47109_7110	47109	7110	40.826	-7.868	0.27	0.862	35.085	425.982	1
47110_7110	47110	7110	-5.917	-2.34	-0.027	0.471	1.542	-155.018	1
47110_7111	47110	7111	-19.17	-53.765	-0.247	0.728	30.197	399.709	1
47111_7111	47111	7111	5.955	-6.832	-0.026	-0.452	-20.778	-477.256	1
47111_7112	47111	7112	-18.511	-45.877	-0.267	0.345	29.168	626.399	1
47112_7112	47112	7112	8.602	-9.695	-0.012	-0.212	-23.391	-703.897	1
47112_7113	47112	7113	-17.71	-43.033	0.019	0.445	31.339	835.384	1
47113_7113	47113	7113	11.436	-16.353	-0.067	-0.632	-26.264	-908.673	1
47113_7114	47113	7114	-16.258	-36.113	-0.014	0.531	31.977	928.083	1
47114_7114	47114	7114	13.65	-15.667	0.237	0.026	-29.123	-1004.772	1
47114_7115	47114	7115	-15.286	-39.776	-0.141	0.188	30.744	1025.35	1
47115_7115	47115	7115	14.725	-19.967	0.22	-0.3	-28.418	-1087.753	1
47115_7116	47115	7116	-13.983	-31.252	-0.106	0.483	29.001	1096.251	1
47116_7116	47116	7116	15.476	-18.671	0.27	0.43	-27.238	-1139.756	1
47116_7117	47116	7117	-13.236	-34.463	-0.261	-0.269	25.71	1188.418	1
47117_7117	47117	7117	15.442	-24.876	0.268	-0.562	-25.152	-1212.335	1
47117_7118	47117	7118	-12.671	-27.725	-0.232	0.693	22.641	1201.144	1
47118_7118	47118	7118	14.902	-21.131	0.149	0.137	-22.668	-1218.742	1
47118_7119	47118	7119	-12.376	-31.708	-0.122	0.107	20.818	1263.033	1
47119_7119	47119	7119	14.166	-27.532	0.147	0.092	-21.294	-1272.592	1
47119_7120	47119	7120	-12.397	-25.024	-0.11	0.153	19.079	1243.149	1
47120_7120	47120	7120	13.404	-23.313	0.138	1.058	-19.768	-1251.888	1
47120_7121	47120	7121	-12.789	-28.786	-0.084	-1.047	17.539	1275.502	1
47121_7121	47121	7121	12.746	-30.348	0.106	-0.872	-18.188	-1286.3	1
47121_7122	47121	7122	-13.518	-21.759	-0.047	0.862	16.504	1215.417	1
47122_7122	47122	7122	12.386	-26.55	0.086	0.784	-17.001	-1228.132	1
47122_7123	47122	7123	-14.406	-26.005	-0.033	-0.63	15.756	1212.725	1
47123_7123	47123	7123	12.382	-33.23	0.062	-0.232	-16.14	-1224.298	1
47123_7124	47123	7124	-15.334	-19.58	-0.008	0.384	15.302	1135.097	1
47124_7124	47124	7124	12.705	-29.269	-0.004	1.17	-15.604	-1138.83	1
47124_7125	47124	7125	-16.071	-23.237	0.048	-1.105	15.438	1105.722	1
47125_7125	47125	7125	13.328	-36.014	-0.045	-0.603	-15.879	-1102.321	1
47125_7126	47125	7126	-16.223	-17.064	0.08	0.685	15.798	1014.174	1
47126_7126	47126	7126	14.181	-32.857	0.059	0.705	-16.636	-986.168	1
47126_7127	47126	7127	-15.583	-18.493	0.152	-0.57	16.895	944.924	1
47127_7127	47127	7127	15.688	-41.191	-0.024	-0.245	-16.608	-883.849	1
47127_7128	47127	7128	-14.549	-14.208	0.178	0.382	17.829	850.663	1
47128_7128	47128	7128	16.829	-37.274	-0.032	0.663	-17.43	-768.454	1
47128_7129	47128	7129	-12.259	-15.339	-0.004	-0.862	16.835	756.341	1
47129_7129	47129	7129	18.485	-44.115	-0.012	0.039	-18.116	-662.594	1
47129_7130	47129	7130	-9.232	-8.756	0.104	0.084	17.097	562.271	1
47130_7130	47130	7130	19.459	-47.236	0.586	0.4	-17.699	-442.574	1
47130_7131	47130	7131	-6.45	-5.521	-0.822	-0.28	6.694	340.888	1

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47131_7131	47131	7131	20.566	-54.951	0.596	0.642	-9.751	-207.245	1
47131_7132	47131	7132	4.695	-3.931	0.209	0.385	12.473	283.529	1
47132_7132	47132	7132	-48.715	-5.838	-0.42	0.009	-7.33	-307.466	1
47132_7133	47132	7133	22.202	-51.172	0.934	0.603	0.551	276.468	1
47133_7133	47133	7133	-43.111	-9.767	-0.572	0.32	-9.733	-455.034	1
47133_7134	47133	7134	18.98	-45.448	1.019	0.222	6.398	427.307	1
47134_7134	47134	7134	-38.782	-13.622	-0.756	1.487	-13.109	-547.808	1
47134_7135	47134	7135	16.48	-39.717	1.106	-0.399	13.302	534.789	1
47135_7135	47135	7135	-33.936	-14.278	0.524	0.886	-18.443	-617.748	1
47135_7136	47135	7136	14.665	-39.134	-0.293	-0.518	9.138	648.222	1
47136_7136	47136	7136	-29.162	-18.499	0.526	0.097	-13.712	-691.304	1
47136_7137	47136	7137	13.529	-33.356	-0.245	0.312	5.59	713.155	1
47137_7137	47137	7137	-24.612	-23.308	0.482	0.045	-9.148	-732.928	1
47137_7138	47137	7138	13.09	-28.002	-0.171	0.334	3.069	733.962	1
47138_7138	47138	7138	-20.852	-20.809	0.219	1.146	-5.142	-741.574	1
47138_7139	47138	7139	13.214	-32.57	0.14	-0.817	3.396	775.5	1
47139_7139	47139	7139	-18.486	-24.369	0.203	-0.011	-3.862	-770.745	1
47139_7140	47139	7140	13.727	-28.365	0.17	0.487	4.207	790.005	1
47140_7140	47140	7140	-16.625	-28.336	0.151	-0.067	-2.979	-783.348	1
47140_7141	47140	7141	14.662	-24.392	0.219	0.504	5.595	779.75	1
47141_7141	47141	7141	-15.169	-32.535	0.097	-0.137	-2.7	-771.278	1
47141_7142	47141	7142	16.126	-20.823	0.265	0.521	7.507	752.778	1
47142_7142	47142	7142	-14.083	-28.208	-0.003	0.614	-3.027	-732.03	1
47142_7143	47142	7143	18.709	-23.142	0.271	-0.347	10.286	745.637	1
47143_7143	47143	7143	-13.237	-33.57	-0.039	-0.187	-4.581	-712.404	1
47143_7144	47143	7144	22.117	-18.33	0.286	0.583	13.384	704.897	1
47144_7144	47144	7144	-13.092	-39.35	-0.09	-0.255	-6.787	-648.613	1
47144_7145	47144	7145	25.76	-14.128	0.32	0.588	16.899	633.321	1
47145_7145	47145	7145	-13.654	-39.776	0.548	-0.25	-9.646	-536.216	1
47145_7146	47145	7146	29.539	-13.989	-0.121	0.602	16.965	567.522	1
47146_7146	47146	7146	-14.959	-45.419	0.478	0.16	-7.66	-432.149	1
47146_7147	47146	7147	32.853	-10.149	0.01	-0.044	18.588	479.294	1
47147_7147	47147	7147	-17.027	-51.047	0.438	-0.072	-6.621	-587.885	1
47147_7148	47147	7148	36.863	-6.477	0.079	0.524	21.858	351.328	1
47148_7148	47148	7148	-14.234	-2.74	0.017	0.37	-1.644	-236.037	1
47148_7149	47148	7149	-30.171	-53.12	-0.205	0.562	19.26	296.029	1
47149_7149	47149	7149	12.461	-6.932	-0.091	-0.168	-14.125	-414.195	1
47149_7150	47149	7150	-30.818	-45.393	-0.225	0.189	17.642	506.074	1
47150_7150	47150	7150	16.698	-9.883	-0.082	-0.101	-15.773	-625.089	1
47150_7151	47150	7151	-31.155	-42.475	0.127	0.326	20.519	699.06	1
47151_7151	47151	7151	21.227	-16.365	-0.169	-0.295	-18.33	-804.534	1
47151_7152	47151	7152	-30.527	-35.789	0.092	0.293	21.748	776.389	1
47152_7152	47152	7152	24.797	-15.633	0.263	-0.499	-21.558	-883.911	1
47152_7153	47152	7153	-30.043	-39.258	-0.113	0.81	20.265	868.985	1
47153_7153	47153	7153	26.734	-19.902	0.271	0.409	-20.074	-953.25	1
47153_7154	47153	7154	-29.427	-30.74	-0.101	0.016	18.165	928.408	1
47154_7154	47154	7154	28.73	-18.827	0.145	0.147	-17.603	-989.627	1
47154_7155	47154	7155	-29.138	-33.457	-0.073	0.15	16.847	1010.3	1
47155_7155	47155	7155	29.53	-25.1	0.135	0.096	-16.65	-1047.934	1
47155_7156	47155	7156	-28.98	-26.608	-0.05	0.211	15.846	1013.546	1
47156_7156	47156	7156	29.662	-22.114	0.065	-0.218	-15.74	-1041.869	1
47156_7157	47156	7157	-29.022	-30.361	0.013	0.631	15.605	1058.53	1
47157_7157	47157	7157	29.527	-28.082	0.079	0.68	-15.491	-1072.673	1
47157_7158	47157	7158	-29.218	-24.241	0.001	-0.243	15.283	1040.755	1
47158_7158	47158	7158	29.26	-24.368	0.01	-0.166	-15.097	-1043.713	1
47158_7159	47158	7159	-29.478	-28.046	0.063	0.598	15.606	1067.667	1
47159_7159	47159	7159	29.044	-30.462	0.024	0.722	-15.399	-1058.879	1
47159_7160	47159	7160	-29.625	-22.073	0.046	-0.295	15.748	1034.984	1
47160_7160	47160	7160	28.977	-26.843	-0.089	-0.08	-15.567	-1011.767	1
47160_7161	47160	7161	-29.524	-25.09	0.188	0.522	17.379	1039.098	1
47161_7161	47161	7161	29.107	-33.627	-0.09	0.647	-17.16	-1005.26	1
47161_7162	47161	7162	-28.771	-18.817	0.17	-0.246	18.666	978.738	1
47162_7162	47162	7162	29.379	-31.135	-0.057	0.438	-18.876	-921.396	1
47162_7163	47162	7163	-26.843	-19.742	0.235	-0.314	20.654	937.282	1
47163_7163	47163	7163	30.002	-39.575	-0.124	-0.169	-20.574	-855.31	1
47163_7164	47163	7164	-24.942	-15.489	0.283	0.36	22.344	864.049	1
47164_7164	47164	7164	30.51	-36.428	0.13	0.265	-22.22	-760.388	1
47164_7165	47164	7165	-21.411	-16.031	-0.203	-0.222	18.731	778.624	1
47165_7165	47165	7165	31.187	-43.066	0.17	0.459	-20.627	-673.626	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47165_7166	47165	7166	-16.904	-9.645	-0.12	-0.218	15.757	594.467	1
47166_7166	47166	7166	30.934	-46.268	-0.226	0.191	-17.352	-473.457	1
47166_7167	47166	7167	-12.636	-6.685	-0.119	-0.188	13.762	382.125	1
47167_7167	47167	7167	30.337	-53.855	-0.201	0.596	-18.992	-254.842	1
47167_7168	47167	7168	14.501	-3.228	-0.017	0.401	2.492	280.922	1
47168_7168	47168	7168	-40.391	-6.62	0.117	0.624	-22.38	-350.009	1
47168_7169	47168	7169	19.106	-51.791	0.42	-0.217	6.619	282.199	1
47169_7169	47169	7169	-36.175	-10.164	0.044	0.125	-18.717	-479.12	1
47169_7170	47169	7170	16.741	-46.318	0.464	-0.025	7.468	432.545	1
47170_7170	47170	7170	-32.65	-13.859	-0.054	0.112	-16.854	-568.4	1
47170_7171	47170	7171	15.152	-40.805	0.517	-0.052	9.178	543.388	1
47171_7171	47171	7171	-28.63	-14.152	0.339	0.158	-16.325	-637.029	1
47171_7172	47171	7172	14.343	-40.054	-0.043	0.269	6.729	660.457	1
47172_7172	47172	7172	-24.706	-18.238	0.26	0.894	-12.817	-710.78	1
47172_7173	47172	7173	14.256	-34.361	0.034	-0.402	5.173	729.999	1
47173_7173	47173	7173	-20.996	-22.917	0.239	-0.072	-10.135	-755.546	1
47173_7174	47173	7174	14.912	-29.04	0.075	0.49	4.362	755.595	1
47174_7174	47174	7174	-18.101	-21.088	0.308	-0.005	-7.888	-768.651	1
47174_7175	47174	7175	15.882	-32.802	0.123	0.486	4.331	795.347	1
47175_7175	47175	7175	-16.41	-24.607	0.226	1.187	-5.982	-797.065	1
47175_7176	47175	7176	17.248	-28.672	0.214	-0.731	5.124	808.401	1
47176_7176	47176	7176	-15.257	-28.51	0.193	-0.111	-4.834	-809.089	1
47176_7177	47176	7177	19.04	-24.76	0.244	0.611	6.452	797.091	1
47177_7177	47177	7177	-14.541	-32.634	0.129	-0.159	-4.248	-796.818	1
47177_7178	47177	7178	21.354	-21.232	0.298	0.609	8.402	769.297	1
47178_7178	47178	7178	-14.224	-28.989	0.082	-0.116	-4.375	-757.783	1
47178_7179	47178	7179	25.051	-23.073	0.203	0.612	10.491	756.943	1
47179_7179	47179	7179	-14.45	-34.29	0.009	0.625	-5.243	-732.464	1
47179_7180	47179	7180	29.525	-18.401	0.289	-0.208	13.442	713.074	1
47180_7180	47180	7180	-15.416	-39.96	-0.029	-0.221	-7.05	-663.478	1
47180_7181	47180	7181	34.186	-14.313	0.297	0.661	16.731	640.175	1
47181_7181	47181	7181	-17.111	-40.841	0.537	0.032	-9.454	-547.22	1
47181_7182	47181	7182	38.912	-13.981	-0.083	0.42	17.058	571.858	1
47182_7182	47182	7182	-19.525	-46.324	0.48	-0.072	-7.603	-436.395	1
47182_7183	47182	7183	43.083	-10.302	0.018	0.508	18.745	483.195	1
47183_7183	47183	7183	-22.688	-51.763	0.382	0.201	-6.665	-286.748	1
47183_7184	47183	7184	48.026	-6.762	0.178	0.173	22.911	355.128	1
47184_7184	47184	7184	-5.834	-3.479	0.049	0.234	-3.039	-218.146	1
47184_7185	47184	7185	-23.886	-55.553	-0.182	0.802	19.98	240.026	1
47185_7185	47185	7185	8.477	-6.108	-0.104	0.123	-14.773	-369.938	1
47185_7186	47185	7186	-23.857	-48.102	-0.235	0.256	18.347	481.978	1
47186_7186	47186	7186	11.84	-9.091	-0.147	-0.513	-16.687	-592.214	1
47186_7187	47186	7187	-23.56	-44.721	0.205	0.876	22.028	707.978	1
47187_7187	47187	7187	15.49	-15.349	-0.206	0.385	-19.94	-792.464	1
47187_7188	47187	7188	-22.501	-38.046	0.14	-0.052	23.936	820.067	1
47188_7188	47188	7188	18.331	-15.125	0.188	-0.453	-23.689	-896.525	1
47188_7189	47188	7189	-21.775	-40.717	-0.026	0.808	23.226	927.401	1
47189_7189	47189	7189	19.819	-19.313	0.181	0.508	-22.865	-980.066	1
47189_7190	47189	7190	-20.901	-32.375	-0.012	-0.038	22.241	1010.633	1
47190_7190	47190	7190	21.184	-18.899	0.175	0.197	-21.871	-1044.477	1
47190_7191	47190	7191	-20.472	-34.457	-0.046	0.181	20.997	1100.997	1
47191_7191	47191	7191	21.578	-25.005	0.154	0.137	-20.773	-1116.461	1
47191_7192	47191	7192	-20.207	-27.853	-0.012	0.26	20.306	1114.509	1
47192_7192	47192	7192	21.413	-22.604	-0.001	0.234	-19.9	-1126.24	1
47192_7193	47192	7193	-20.162	-31.088	0.117	0.161	20.997	1161.611	1
47193_7193	47193	7193	21.075	-28.381	-0.026	0.161	-20.582	-1163.897	1
47193_7194	47193	7194	-20.275	-25.213	0.138	0.24	21.981	1148.366	1
47194_7194	47194	7194	20.66	-25.217	-0.001	0.765	-21.633	-1143.233	1
47194_7195	47194	7195	-20.456	-28.47	0.122	-0.508	22.565	1173.137	1
47195_7195	47195	7195	20.332	-31.098	-0.049	-0.329	-22.284	-1159.27	1
47195_7196	47195	7196	-20.538	-22.755	0.165	0.614	23.674	1141.226	1
47196_7196	47196	7196	20.171	-28.063	-0.129	0.352	-23.549	-1114.89	1
47196_7197	47196	7197	-20.422	-25.18	0.281	-0.011	25.862	1138.517	1
47197_7197	47197	7197	20.208	-34.63	-0.17	0.289	-25.817	-1102.997	1
47197_7198	47197	7198	-19.799	-19.186	0.297	0.059	28.092	1074.576	1
47198_7198	47198	7198	20.391	-32.771	-0.098	0.57	-28.711	-1016.446	1
47198_7199	47198	7199	-18.255	-19.655	0.204	-0.432	28.898	1020.592	1
47199_7199	47199	7199	20.913	-40.965	-0.129	-0.059	-30.703	-940.589	1
47199_7200	47199	7200	-16.743	-15.571	0.25	0.307	29.78	944.703	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47200_7200	47200	7200	21.427	-38.766	0.034	0.023	-31.971	-840.262	1
47200_7201	47200	7201	-14.007	-15.554	-0.164	0.37	25.783	843.637	1
47201_7201	47201	7201	22.218	-45.309	0.111	1.312	-30.606	-733.583	1
47201_7202	47201	7202	-10.635	-9.492	-0.13	-0.833	21.643	646.787	1
47202_7202	47202	7202	22.319	-48.843	-0.274	0.391	-27.131	-516.912	1
47202_7203	47202	7203	-7.583	-6.588	-0.059	0.025	18.824	424.202	1
47203_7203	47203	7203	22.263	-56.03	-0.227	1.166	-28.001	-282.238	1
47203_7204	47203	7204	6.091	-3.199	0.016	0.367	0.902	211.731	1
47204_7204	47204	7204	-48.102	-7.953	0.305	0.469	-32.01	-406.212	1
47204_7205	47204	7205	23.118	-52.442	0.314	0.012	8.587	318.8	1
47205_7205	47205	7205	-43.154	-11.284	0.135	0.873	-25.449	-533.402	1
47205_7206	47205	7206	20.089	-47.43	0.434	-0.319	8.064	469.705	1
47206_7206	47206	7206	-38.984	-14.677	0.074	0.046	-21.939	-617.763	1
47206_7207	47206	7207	17.844	-42.344	0.486	0.236	8.578	583.754	1
47207_7207	47207	7207	-34.339	-15.138	0.374	0.348	-19.551	-684.528	1
47207_7208	47207	7208	16.389	-41.162	0.096	0.36	6.432	702.081	1
47208_7208	47208	7208	-29.771	-18.938	0.291	0.195	-15.124	-755.119	1
47208_7209	47208	7209	15.701	-35.822	0.179	0.484	5.505	777.139	1
47209_7209	47209	7209	-25.417	-23.263	0.172	1.014	-11.897	-800.272	1
47209_7210	47209	7210	15.807	-30.769	0.274	-0.214	5.883	811.376	1
47210_7210	47210	7210	-21.846	-22.181	0.43	0.156	-10.051	-218.277	1
47210_7211	47210	7211	16.401	-33.495	0.18	0.583	6.041	851.404	1
47211_7211	47211	7211	-19.645	-25.508	0.353	0.014	-7.496	-845.704	1
47211_7212	47211	7212	17.409	-29.615	0.266	0.698	7.185	866.569	1
47212_7212	47212	7212	-17.988	-29.175	0.241	1.28	-5.823	-858.316	1
47212_7213	47212	7213	18.858	-25.924	0.379	-0.544	9.453	859.087	1
47213_7213	47213	7213	-16.783	-33.037	0.186	-0.184	-5.249	-848.583	1
47213_7214	47213	7214	20.836	-22.569	0.425	0.884	12.436	836.413	1
47214_7214	47214	7214	-16.005	-30.476	0.288	0.043	-5.541	-814.169	1
47214_7215	47214	7215	24.091	-23.594	0.225	0.598	15.236	823.83	1
47215_7215	47215	7215	-15.652	-35.506	0.207	-0.115	-5.668	-786.153	1
47215_7216	47215	7216	28.096	-19.251	0.307	0.717	19.104	783.821	1
47216_7216	47216	7216	-16.092	-40.827	0.099	0.601	-7.07	-717.462	1
47216_7217	47216	7217	32.297	-15.421	0.418	-0.026	24.212	717.632	1
47217_7217	47217	7217	-17.296	-42.224	0.306	-0.163	-10.004	-605.409	1
47217_7218	47217	7218	36.577	-14.827	0.054	-1.299	26.811	653.404	1
47218_7218	47218	7218	-19.272	-47.298	0.29	0.394	-11.341	-495.419	1
47218_7219	47218	7219	40.357	-11.421	0.134	-1.524	30.538	570.959	1
47219_7219	47219	7219	-21.999	-52.296	0.488	-2.108	-12.779	-349.8	1
47219_7220	47219	7220	44.808	-8.06	-0.122	2.743	33.511	449.182	1
47220_7220	47220	7220	-6.659	-3.967	-0.068	0.841	12.71	-177.554	1
47220_7221	47220	7221	-24.172	-56.152	-0.271	0.29	32.803	382.938	1
47221_7221	47221	7221	8.061	-7.129	-0.12	-0.732	-22.921	-495.814	1
47221_7222	47221	7222	-24.867	-49.304	-0.302	0.128	30.886	632.33	1
47222_7222	47222	7222	11.516	-10.123	-0.085	0.294	-27.022	-725.123	1
47222_7223	47222	7223	-25.462	-45.769	0.229	-0.485	34.277	866.055	1
47223_7223	47223	7223	15.451	-15.932	-0.208	-1.2	-30.948	-929.721	1
47223_7224	47223	7224	-25.345	-39.538	0.248	0.588	36.853	986.731	1
47224_7224	47224	7224	18.739	-16.244	0.301	2.02	-35.39	-1044.911	1
47224_7225	47224	7225	-25.261	-41.484	-0.168	-2.34	34.697	1093.916	1
47225_7225	47225	7225	20.647	-20.127	0.218	-1.359	-34.153	-1134.444	1
47225_7226	47225	7226	-25.388	-32.967	-0.038	0.886	32.453	1192.977	1
47226_7226	47226	7226	23.072	-21.122	0.347	2	-32.663	-1212.223	1
47226_7227	47226	7227	-25.539	-33.934	-0.234	-2.336	28.426	1273.797	1
47227_7227	47227	7227	24.305	-27.202	0.26	-1.92	-29.495	-1276.974	1
47227_7228	47227	7228	-25.542	-27.46	-0.114	1.59	25.823	1275.497	1
47228_7228	47228	7228	24.964	-26.073	0.2	2.578	-27.006	-1277.099	1
47228_7229	47228	7229	-25.35	-28.79	-0.106	-3.045	23.332	1296.831	1
47229_7229	47229	7229	25.344	-32.45	0.079	-2.327	-24.987	-1291.637	1
47229_7230	47229	7230	-24.833	-22.569	0.017	1.912	22.234	1242.879	1
47230_7230	47230	7230	25.528	-31.475	0.027	2.218	-24.245	-1229.075	1
47230_7231	47230	7231	-23.744	-23.316	0.216	-2.83	23.299	1210.576	1
47231_7231	47231	7231	25.569	-38.347	-0.127	-1.933	-24.36	-1179.628	1
47231_7232	47231	7232	-21.987	-17.425	0.331	1.509	25.79	1111.865	1
47232_7232	47232	7232	25.377	-39.14	0.626	2.27	-26.844	-1046.216	1
47232_7233	47232	7233	-21.456	-21.604	-0.474	-2.912	23.929	1093.268	1
47233_7233	47233	7233	25.521	-40.698	0.592	1.029	-25.109	-1018.675	1
47233_7234	47233	7234	-20.211	-18.736	-0.379	-1.381	20.882	1048.605	1
47234_7234	47234	7234	25.747	-43.834	0.564	0.153	-21.806	-955.744	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47234_7235	47234	7235	-18.241	-15.014	-0.25	-0.294	18.004	959.075	1
47235_7235	47235	7235	25.766	-48.392	0.516	-0.918	-17.298	-836.503	1
47235_7236	47235	7236	-16.762	-12.795	-0.145	0.828	17.196	884.073	1
47236_7236	47236	7236	25.72	-47.667	0.127	0.659	-14.597	-753.833	1
47236_7237	47236	7237	-13.574	-10.948	-0.508	-1.121	12.197	743.424	1
47237_7237	47237	7237	25.574	-53.234	0.126	-0.381	-13.312	-570.737	1
47237_7238	47237	7238	-11.074	-7.583	-0.514	0.511	6.585	583.081	1
47238_7238	47238	7238	24.304	-45.133	-1.086	-0.49	-11.074	-376.163	1
47238_7239	47238	7239	-8.132	-13.673	0.986	0.428	14.789	491.244	1
47239_7239	47239	7239	22.81	-50.227	-1.167	-0.897	-20.559	-267.891	1
47239_7240	47239	7240	-5.94	-9.418	0.894	1.504	22.009	343.965	1
47240_7240	47240	7240	-50.386	-13.571	0.809	2.868	-39.301	-585.532	1
47240_7241	47240	7241	29.983	-45.254	-0.15	-2.643	17.767	449.496	1
47241_7241	47241	7241	-46.9	-17.108	0.881	1.08	-31.063	-655.863	1
47241_7242	47241	7242	27.211	-40.085	-0.103	-1.25	12.995	534.275	1
47242_7242	47242	7242	-42.916	-21.622	0.834	-0.168	-22.111	-703.832	1
47242_7243	47242	7243	25.368	-35.263	-0.023	-0.545	9.991	584.03	1
47243_7243	47243	7243	-38.875	-14.999	0.251	1.42	-14.875	-712.166	1
47243_7244	47243	7244	24.308	-42.273	-0.204	-1.28	5.351	742.996	1
47244_7244	47244	7244	-33.962	-19.395	0.39	-0.21	-11.007	-798.405	1
47244_7245	47244	7245	24.398	-36.241	-0.15	0.301	2.245	834.764	1
47245_7245	47245	7245	-29.937	-21.618	-0.171	0.987	-5.752	-851.702	1
47245_7246	47245	7246	25.665	-33.067	0.402	-1.093	6.036	904.691	1
47246_7246	47246	7246	-26.686	-27.115	-0.175	-0.993	-6.942	-898.792	1
47246_7247	47246	7247	27.849	-27.577	0.349	0.921	9.203	911.016	1
47247_7247	47247	7247	-24.958	-28.76	0.336	1.497	-8.712	-899.256	1
47247_7248	47247	7248	31.07	-25.995	0.059	-1.863	9.893	907.99	1
47248_7248	47248	7248	-24.23	-34.363	0.371	-1.59	-6.367	-886.66	1
47248_7249	47248	7249	35.626	-20.715	0.026	1.386	11.509	861.771	1
47249_7249	47249	7249	-24.6	-37.505	-0.204	0.494	-4.204	-810.742	1
47249_7250	47249	7250	40.645	-18.567	0.888	-0.741	22.84	805.909	1
47250_7250	47250	7250	-26.131	-43.789	-0.363	-1.093	-10.32	-707.183	1
47250_7251	47250	7251	45.421	-14.441	0.77	1.132	32.822	718.71	1
47251_7251	47251	7251	-28.712	-36.636	0.321	0.376	-19.331	-554.089	1
47251_7252	47251	7252	49.142	-21.755	-0.468	-1.823	30.759	709.583	1
47252_7252	47252	7252	-31.587	-40.934	0.565	-1.092	-19.823	-509.957	1
47252_7253	47252	7253	53.229	-16.996	-0.628	0.771	26.834	662.235	1
47253_7253	47253	7253	3.863	-17.365	0.676	-0.843	-17.667	-435.645	1
47253_7254	47253	7254	-19.256	-43.587	-0.665	2.393	21.787	281.79	1
47254_7254	47254	7254	6.224	-9.471	-0.605	0.063	-14.3	-488.114	1
47254_7255	47254	7255	-21.2	-48.274	1.035	0.236	36.218	460.175	1
47255_7255	47255	7255	8.47	-14.326	-0.79	-0.737	-25.428	-654.266	1
47255_7256	47255	7256	-21.678	-43.122	1.091	0.196	48.578	566.553	1
47256_7256	47256	7256	11.118	-9.593	0.362	0.699	-37.853	-749.549	1
47256_7257	47256	7257	-22.78	-51.642	-0.515	-0.76	44.388	757.074	1
47257_7257	47257	7257	13.32	-12.935	0.39	-0.39	-37.632	-887.725	1
47257_7258	47257	7258	-22.824	-48.054	-0.467	0.145	41.115	868.697	1
47258_7258	47258	7258	14.944	-15.873	0.424	-1.13	-36.527	-979.467	1
47258_7259	47258	7259	-23.004	-45.441	-0.434	0.592	38.721	946.862	1
47259_7259	47259	7259	16.157	-14.71	0.222	2.191	-35.309	-1033.334	1
47259_7260	47259	7260	-23.494	-45.191	-0.247	-2.633	36.669	1067.924	1
47260_7260	47260	7260	17.754	-17.949	0.185	-0.459	-34.865	-1127.933	1
47260_7261	47260	7261	-24.081	-40.345	-0.174	0.092	34.619	1170.616	1
47261_7261	47261	7261	19.292	-22.148	0.175	-1.67	-34.31	-1206.363	1
47261_7262	47261	7262	-24.838	-35.894	-0.158	1.07	32.468	1231.014	1
47262_7262	47262	7262	20.6	-20.642	0.332	1.397	-33.458	-1246.9	1
47262_7263	47262	7263	-25.803	-35.558	-0.352	-1.744	26.98	1324.612	1
47263_7263	47263	7263	22.207	-26.455	0.307	-1.058	-29.912	-1325.121	1
47263_7264	47263	7264	-26.568	-29.327	-0.298	0.746	21.625	1342.248	1
47264_7264	47264	7264	23.535	-26.213	0.179	2.316	-25.901	-1337.103	1
47264_7265	47264	7265	-27.038	-29.611	-0.064	-2.842	18.885	1368.209	1
47265_7265	47265	7265	24.69	-32.48	0.072	-2.042	-23.251	-1360.148	1
47265_7266	47265	7266	-27.051	-23.768	0.041	1.568	17.332	1323.805	1
47266_7266	47266	7266	25.668	-32.357	0.297	2.072	-21.847	-1307.781	1
47266_7267	47266	7267	-26.441	-24.02	-0.09	-2.621	14.118	1292.444	1
47267_7267	47267	7267	26.481	-38.638	0.195	-1.229	-17.838	-1259.352	1
47267_7268	47267	7268	-25.119	-18.541	0.03	0.836	12.621	1199.289	1
47268_7268	47268	7268	27.036	-39.666	0.97	3.426	-15.294	-1137.72	1
47268_7269	47268	7269	-24.546	-21.558	-0.9	-4.343	8.565	1173.263	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47269_7269	47269	7269	27.504	-41.573	0.928	1.247	-11.267	-1103.286	1
47269_7270	47269	7270	-22.527	-17.174	-0.755	-1.729	0.19	1086.178	1
47270_7270	47270	7270	28.24	-46.518	0.89	-0.985	-1.437	-988.798	1
47270_7271	47270	7271	-19.931	-13.166	-0.584	0.686	-6.02	951.952	1
47271_7271	47271	7271	28.83	-48.091	1.363	1.578	8.361	-832.249	1
47271_7272	47271	7272	-16.402	-11.127	-0.93	-2.384	-15.912	785.007	1
47272_7272	47272	7272	28.999	-53.944	1.258	-0.85	24.468	-623.846	1
47272_7273	47272	7273	-12.869	-7.126	-0.602	0.594	-19.037	568.341	1
47273_7273	47273	7273	26.736	-44.606	-5.711	2.254	38.173	-359.073	1
47273_7274	47273	7274	-10.177	-17.498	2.911	-0.222	0.663	528.51	1
47274_7274	47274	7274	26.39	-47.033	-5.539	1.452	5.699	-305.985	1
47274_7275	47274	7275	-8.037	-14.212	2.242	1.257	20.075	446.49	1
47275_7275	47275	7275	-48.788	-22.444	-3.564	-5.086	-34.702	-685.361	1
47275_7276	47275	7276	30.463	-38.036	1.664	-0.378	23.826	480.972	1
47276_7276	47276	7276	-46.39	-15.629	1.516	1.915	-51.504	-683.972	1
47276_7277	47276	7277	28.969	-44.423	-0.505	-1.649	18.172	522.964	1
47277_7277	47277	7277	-44.543	-17.53	1.514	0.723	-43.283	-723.126	1
47277_7278	47277	7278	26.555	-38.053	-0.253	-0.732	7.562	613.733	1
47278_7278	47278	7278	-40.049	-22.839	1.4	-1.251	-24.296	-773.755	1
47278_7279	47278	7279	25.504	-32.476	-0.064	0.566	2.444	649.323	1
47279_7279	47279	7279	-35.775	-19.203	-0.445	1.77	-9.895	-768.778	1
47279_7280	47279	7280	25.668	-34.721	0.443	-1.643	4.81	742.503	1
47280_7280	47280	7280	-30.822	-25.096	-0.316	-1.163	-12.935	-810.359	1
47280_7281	47280	7281	27.654	-27.257	0.311	0.932	5.637	753.106	1
47281_7281	47281	7281	-27.2	-24.764	0.417	0.762	-14.557	-775.465	1
47281_7282	47281	7282	31.483	-27.475	0.064	-0.967	3.022	763.939	1
47282_7282	47282	7282	-25.501	-32.182	0.378	-1.057	-8.057	-773.067	1
47282_7283	47282	7283	36.517	-21.363	0.064	0.816	2.061	726.367	1
47283_7283	47283	7283	-25.661	-28.873	-0.016	0.795	-3.64	-689.577	1
47283_7284	47283	7284	42.242	-24.595	0.868	-1.39	10.593	-751.399	1
47284_7284	47284	7284	-27.275	-35.445	-0.088	-1.371	-5.478	-660.776	1
47284_7285	47284	7285	47.579	-19.588	0.828	1.237	19.614	729.649	1
47285_7285	47285	7285	-29.881	-33.679	0.246	0.478	-9.474	-576.676	1
47285_7286	47285	7286	51.961	-23.815	-0.496	-1.418	17.167	747.095	1
47286_7286	47286	7286	-32.963	-38.414	0.356	-0.003	-9.643	-541.97	1
47286_7287	47286	7287	55.444	-20.078	-0.607	-0.271	13.713	736.753	1
47287_7287	47287	7287	-36.359	-42.802	0.491	-0.889	-8.451	-490.979	1
47287_7288	47287	7288	58.89	-16.557	-0.751	1.043	8.513	704.244	1
47288_7288	47288	7288	1.559	-9.203	-0.504	-0.069	-1.315	-436.459	1
47288_7289	47288	7289	-8.497	-48.693	0.634	-0.255	14.905	590.764	1
47289_7289	47289	7289	1.942	-14.463	-0.602	-1.619	-9.802	-650.945	1
47289_7290	47289	7290	-7.597	-42.792	0.62	0.89	22.577	745.739	1
47290_7290	47290	7290	2.837	-12.943	0.07	0.619	-18.709	-786.503	1
47290_7291	47290	7291	-6.994	-46.578	0.158	-0.96	24.079	873.321	1
47291_7291	47291	7291	3.268	-16.347	0.025	0.424	-19.669	-900.283	1
47291_7292	47291	7292	-6.12	-41.922	0.185	-0.711	25.95	991.582	1
47292_7292	47292	7292	3.783	-20.823	-0.05	-3.204	-21.474	-1002.476	1
47292_7293	47292	7293	-5.451	-39.745	0.201	2.566	26.705	1034.396	1
47293_7293	47293	7293	4.187	-13.307	0.322	1.751	-22.571	-1036.798	1
47293_7294	47293	7294	-5.093	-47.171	-0.35	-2.334	24.086	1171.358	1
47294_7294	47294	7294	4.437	-16.433	0.346	0.09	-21.397	-1152.406	1
47294_7295	47294	7295	-4.926	-42.307	-0.307	-0.429	21.261	1298.362	1
47295_7295	47295	7295	4.63	-20.58	0.368	-2.517	-19.342	-1265.514	1
47295_7296	47295	7296	-4.919	-38.49	-0.254	2.059	19.479	1376.472	1
47296_7296	47296	7296	4.743	-17.625	0.184	1.712	-17.399	-1333.46	1
47296_7297	47296	7297	-4.901	-40.033	-0.277	-2.261	16.689	1519.771	1
47297_7297	47297	7297	4.866	-22.872	0.194	-1.698	-15.975	-1467.004	1
47297_7298	47297	7298	-4.877	-34.009	-0.281	1.32	13.248	1589.873	1
47298_7298	47298	7298	4.921	-20.705	0.195	2.87	-13.961	-1545.538	1
47298_7299	47298	7299	-4.849	-37.028	-0.18	-3.613	10.674	1688.504	1
47299_7299	47299	7299	4.923	-26.225	0.179	-2.503	-11.747	-1657.663	1
47299_7300	47299	7300	-4.813	-30.605	-0.157	1.93	8.012	1712.202	1
47300_7300	47300	7300	4.906	-23.661	0.25	2.663	-9.321	-1700.637	1
47300_7301	47300	7301	-4.763	-33.948	-0.219	-3.187	4.671	1769.517	1
47301_7301	47301	7301	4.882	-29.599	0.235	-2.523	-5.99	-1774.552	1
47301_7302	47301	7302	-4.678	-28.119	-0.191	1.995	1.914	1745.352	1
47302_7302	47302	7302	4.854	-25.958	0.153	2.991	-2.975	-1770.036	1
47302_7303	47302	7303	-4.521	-31.257	-0.107	-3.408	0.139	1757.162	1
47303_7303	47303	7303	4.818	-32.188	0.127	-3.131	-0.796	-1806.025	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47303_7304	47303	7304	-4.304	-25.603	-0.081	2.483	-0.934	1685.75	1
47304_7304	47304	7304	4.77	-28.084	0.076	3.088	0.702	-1763.265	1
47304_7305	47304	7305	-3.962	-28.472	-0.032	-3.246	-1.329	1635.677	1
47305_7305	47305	7305	4.691	-33.871	0.053	-2.614	1.574	-1760.139	1
47305_7306	47305	7306	-3.429	-21.51	-0.009	1.878	-1.295	1469.327	1
47306_7306	47306	7306	4.549	-31.405	-0.055	2.96	2.043	-1664.549	1
47306_7307	47306	7307	-2.688	-21.073	0.032	-2.69	-0.649	1269.992	1
47307_7307	47307	7307	4.326	-38.024	-0.066	-2.841	1.218	-1582.942	1
47307_7308	47307	7308	-1.807	-13.3	0.029	1.481	-0.104	946.503	1
47308_7308	47308	7308	3.986	-38.785	0.337	2.308	0.307	-1384.49	1
47308_7309	47308	7309	-1.142	-10.055	-0.07	-1.464	-0.885	648.412	1
47309_7309	47309	7309	3.474	-46.886	0.245	-2.057	3.327	-1122.957	1
47309_7310	47309	7310	-0.66	-5.368	-0.059	0.652	-1.5	400.571	1
47310_7310	47310	7310	2.748	-53.173	-0.365	0.17	4.884	-693.862	1
47310_7311	47310	7311	2.091	-2.627	-2.332	0.124	0	8.981	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
7000_7000	7000	7000	1.857	14.231	-0.141	-0.063	0	6.507	1
7000_7001	7000	7001	42.225	-50.245	0.059	0.042	0.623	324.34	1
7001_7001	7001	7001	2.194	-3.19	0.162	0.093	1.704	18.646	1
7001_7002	7001	7002	68.566	-42.834	0.079	0.049	1.574	525.082	1
7002_7002	7002	7002	4.633	-3.343	-0.05	0.107	3.141	37.379	1
7002_7003	7002	7003	94.872	-34.637	-0.059	-0.015	1.081	724.99	1
7003_7003	7003	7003	7.946	-3.344	-0.049	0.12	2.53	62.529	1
7003_7004	7003	7004	109.573	-26.731	-0.07	0.138	0.509	837.205	1
7004_7004	7004	7004	11.268	-3.299	0.012	0.078	1.942	87.703	1
7004_7005	7004	7005	122.461	-28.186	0.002	-0.119	0.691	935.349	1
7005_7005	7005	7005	14.543	-3.299	0.012	0.122	2.083	112.517	1
7005_7006	7005	7006	126.551	-21.568	0.001	0.233	0.866	966.593	1
7006_7006	7006	7006	17.819	-3.355	0.036	0.059	2.226	137.348	1
7006_7007	7006	7007	133.369	-25.341	0.015	-0.117	1.21	1018.36	1
7007_7007	7007	7007	21.132	-3.358	0.036	0.123	2.641	162.597	1
7007_7008	7007	7008	132.945	-19.135	0.016	0.261	1.586	1015.14	1
7008_7008	7008	7008	24.457	-3.412	0.038	0.031	3.059	187.882	1
7008_7009	7008	7009	136.336	-23.274	0.034	-0.127	2.199	1040.787	1
7009_7009	7009	7009	27.843	-3.412	0.039	0.114	3.524	213.544	1
7009_7010	7009	7010	132.859	-17.136	0.035	0.253	2.806	1014.355	1
7010_7010	7010	7010	31.232	-3.502	0.038	0.002	3.991	239.226	1
7010_7011	7010	7011	133.104	-7.747	0.027	-0.138	2.961	1016.282	1
7011_7011	7011	7011	34.71	-3.502	0.038	0.099	4.448	265.58	1
7011_7012	7011	7012	127.277	-1.214	0.028	0.23	3.485	972.039	1
7012_7012	7012	7012	38.187	-3.681	0.038	-0.039	4.907	291.931	1
7012_7013	7012	7013	124.782	-4.941	0.058	-0.161	4.349	953.04	1
7013_7013	7013	7013	41.841	-3.681	0.039	0.085	5.373	319.626	1
7013_7014	7013	7014	115.199	1.702	0.055	0.202	5.117	880.306	1
7014_7014	7014	7014	45.499	-3.845	0.042	-0.024	5.84	347.343	1
7014_7015	7014	7015	104.122	1.266	0.048	-0.061	5.843	796.164	1
7015_7015	7015	7015	55.098	-3.704	0.029	-0.005	4.428	394.287	1
7015_7016	7015	7016	99.988	6.101	0.034	0.032	4.255	738.382	1
7016_7016	7016	7016	56.652	-4.153	0.015	-0.068	4.665	416.083	1
7016_7017	7016	7017	80.465	-8.208	-0.011	-0.087	3.655	659.052	1
7017_7017	7017	7017	55.526	-4.063	0.015	-0.066	4.806	458.942	1
7017_7018	7017	7018	51.297	-1.86	-0.007	-0.025	3.224	522.956	1
7018_7018	7018	7018	50.635	-4.489	0.003	-0.161	4.969	511.432	1
7018_7019	7018	7019	28.356	0.645	-0.004	-0.097	2.887	369.62	1
7019_7019	7019	7019	44.545	-4.567	0.003	-0.097	5.031	568.986	1
7019_7020	7019	7020	13.982	-1.153	0.011	-0.043	2.109	230.583	1
7020_7020	7020	7020	42.854	22.06	-0.078	-0.037	2.126	372.747	1
7020_7021	7020	7021	73.43	-29.519	-0.003	-0.065	3.419	333.004	1
7021_7021	7021	7021	25.603	14.888	-0.066	-0.012	1.956	245.652	1
7021_7022	7021	7022	78.267	-25.754	0.005	-0.03	2.378	377.451	1
7022_7022	7022	7022	11.162	10.243	-0.067	0.003	2.165	181.823	1
7022_7023	7022	7023	80.449	-21.675	0.011	0.013	2.156	414.112	1
7023_7023	7023	7023	-6.319	1.89	-0.097	-0.062	3.976	146.184	1
7023_7024	7023	7024	83.532	-21.552	-0.031	-0.053	1.656	455.429	1
7024_7024	7024	7024	-6.683	1.789	-0.092	-0.047	3.22	137.148	1
7024_7025	7024	7025	84.311	-16.99	-0.026	-0.002	1.227	478.981	1
7025_7025	7025	7025	-6.992	1.726	-0.091	-0.046	2.493	128.455	1
7025_7026	7025	7026	83.116	-12.043	-0.019	0.002	0.891	484.809	1
7026_7026	7026	7026	-7.88	1.321	-0.095	-0.064	1.768	119.863	1
7026_7027	7026	7027	84.342	-15.456	-0.021	-0.047	0.659	500.941	1
7027_7027	7027	7027	-7.787	1.304	-0.095	-0.065	1.21	114.953	1
7027_7028	7027	7028	84.405	-11.716	-0.014	-0.057	0.509	506.763	1
7028_7028	7028	7028	-8.519	1.304	-0.088	-0.046	0.643	110.058	1
7028_7029	7028	7029	82.534	-7.859	-0.008	0.033	0.435	497.761	1
7029_7029	7029	7029	-9.25	1.304	-0.088	-0.046	0.113	105.156	1
7029_7030	7029	7030	81.287	-14.985	0.028	0.049	0.657	478.988	1
7030_7030	7030	7030	-9.983	0.67	-0.085	-0.059	-0.417	100.254	1
7030_7031	7030	7031	81.73	-16.944	0.025	-0.002	0.905	471.221	1
7031_7031	7031	7031	-10.483	0.67	-0.084	-0.058	-1.093	96.899	1
7031_7032	7031	7032	80.068	-12.376	0.031	0.006	1.253	445.712	1
7032_7032	7032	7032	-19.538	-1.986	0.094	0.061	1.937	103.355	1
7032_7033	7032	7033	76.046	-8.268	0.036	0.057	1.675	402.516	1
7033_7033	7033	7033	-5.9	-7.593	0.075	0.024	1.59	124.519	1
7033_7034	7033	7034	72.919	-8.205	0.004	0.035	1.875	364.246	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7034_7034	7034	7034	10.075	-12.077	0.068	-0.006	1.533	171.777	1
7034_7035	7034	7035	67.917	-4.529	0.017	-0.008	2.239	314.079	1
7035_7035	7035	7035	22.807	-16.927	0.088	0.06	1.99	250.276	1
7035_7036	7035	7036	60.512	-0.868	0.032	0.071	3.711	248.455	1
7036_7036	7036	7036	51.272	23.775	0.002	-0.193	-3.27	590.738	1
7036_7037	7036	7037	14.977	-34.591	0.008	0.075	2.047	329.199	1
7037_7037	7037	7037	30.278	6.227	0.01	0.102	3.137	505.548	1
7037_7038	7037	7038	34.335	-28.464	0	0.068	2.343	464.693	1
7038_7038	7038	7038	34.249	5.329	-0.009	0.05	3.26	438.167	1
7038_7039	7038	7039	57.569	-25.189	0.019	0.012	2.787	581.146	1
7039_7039	7039	7039	37.418	5.071	-0.006	0.079	3.128	376.445	1
7039_7040	7039	7040	73.048	-18.74	0.023	0.099	3.2	630.281	1
7040_7040	7040	7040	36.608	4.344	-0.011	-0.009	3.066	331.53	1
7040_7041	7040	7041	82.034	-21.514	-0.01	-0.06	3.198	679.271	1
7041_7041	7041	7041	39.35	4.27	-0.004	0.024	1.41	283.512	1
7041_7042	7041	7042	98.117	-12.578	0	0.043	1.563	664.359	1
7042_7042	7042	7042	32.8	3.808	-0.009	-0.015	1.349	243.853	1
7042_7043	7042	7043	106.121	-15.852	-0.012	-0.044	1.464	711.229	1
7043_7043	7043	7043	28.294	3.808	-0.007	0.016	1.247	216.568	1
7043_7044	7043	7044	107.494	-8.791	-0.008	0.059	1.39	716.153	1
7044_7044	7044	7044	23.788	3.633	-0.006	-0.015	1.159	189.288	1
7044_7045	7044	7045	113.463	-12.764	-0.004	-0.024	1.373	748.616	1
7045_7045	7045	7045	19.485	3.633	-0.005	-0.005	1.092	163.234	1
7045_7046	7045	7046	112.271	-17.492	0	0.032	1.374	733.937	1
7046_7046	7046	7046	21.682	-2.939	0.01	0.002	1.128	147.205	1
7046_7047	7046	7047	115.222	-21.317	0.004	-0.05	1.402	751.467	1
7047_7047	7047	7047	26.346	-3.939	0.01	0.027	1.243	175.445	1
7047_7048	7047	7048	110.082	-14.657	0.006	0.053	1.452	720.645	1
7048_7048	7048	7048	31.01	-4.016	0.01	-0.005	1.363	203.682	1
7048_7049	7048	7049	109.287	-18.12	0.011	-0.029	1.54	716.351	1
7049_7049	7049	7049	35.763	-4.016	0.01	0.012	1.484	232.464	1
7049_7050	7049	7050	101.675	-11.653	0.012	0.022	1.63	669.679	1
7050_7050	7050	7050	40.517	-4.26	0.012	-0.021	1.607	261.244	1
7050_7051	7050	7051	96.283	-13.349	0.008	-0.037	1.653	633.933	1
7051_7051	7051	7051	44.59	-4.205	0.014	0.007	2.073	312.281	1
7051_7052	7051	7052	82.141	-8.203	0.013	0.044	1.977	610.074	1
7052_7052	7052	7052	46.862	-4.533	0.004	-0.07	2.185	335.659	1
7052_7053	7052	7053	67.857	-9.028	-0.015	-0.089	1.702	561.644	1
7053_7053	7053	7053	42.976	-4.62	0.006	-0.064	3.053	399.717	1
7053_7054	7053	7054	39.279	-2.682	-0.013	-0.013	1.95	481.113	1
7054_7054	7054	7054	39.777	-4.969	0.011	-0.157	3.1	454.597	1
7054_7055	7054	7055	21.231	-0.03	0	-0.094	1.806	345.021	1
7055_7055	7055	7055	35.198	-5.201	0.011	-0.137	3.216	513.391	1
7055_7056	7055	7056	11.625	-1.307	0.008	-0.04	0.98	196.095	1
7056_7056	7056	7056	34.891	21.658	-0.063	-0.059	1.61	343.494	1
7056_7057	7056	7057	70.758	-29.376	-0.003	-0.127	2.235	348.298	1
7057_7057	7057	7057	17.192	14.228	-0.06	-0.032	1.624	231.927	1
7057_7058	7057	7058	75.424	-25.561	0.003	-0.058	1.755	406.718	1
7058_7058	7058	7058	2.237	8.948	-0.06	-0.013	1.85	171.669	1
7058_7059	7058	7059	78.109	-21.357	0.009	0.035	1.591	449.016	1
7059_7059	7059	7059	-7.952	1.939	-0.078	-0.161	3.01	152.684	1
7059_7060	7059	7060	81.52	-21.34	-0.023	-0.168	1.229	495.534	1
7060_7060	7060	7060	-8.344	1.881	-0.073	-0.124	2.393	142.672	1
7060_7061	7060	7061	82.686	-16.717	-0.02	-0.044	0.911	522.639	1
7061_7061	7061	7061	-9.06	1.847	-0.069	-0.092	1.813	132.922	1
7061_7062	7061	7062	81.883	-11.725	-0.017	0.08	0.649	530.181	1
7062_7062	7062	7062	-9.349	1.465	-0.075	-0.158	1.273	123.374	1
7062_7063	7062	7063	83.254	-15.369	-0.015	-0.157	0.491	548.384	1
7063_7063	7063	7063	-10.108	1.465	-0.07	-0.121	0.823	117.614	1
7063_7064	7063	7064	83.328	-22.326	0.011	0.063	0.342	555.754	1
7064_7064	7064	7064	-9.975	-1.178	0.07	0.138	0.056	117.826	1
7064_7065	7064	7065	82.893	-18.603	0.017	0.057	0.428	547.979	1
7065_7065	7065	7065	-9.366	-1.178	0.071	0.14	0.478	122.453	1
7065_7066	7065	7066	81.33	-15.135	0.022	0.073	0.577	529.152	1
7066_7066	7066	7066	-9.901	-1.631	0.07	0.125	0.891	127.113	1
7066_7067	7066	7067	81.921	-17.279	0.023	0.039	0.818	521.115	1
7067_7067	7067	7067	-9.319	-1.653	0.07	0.126	1.446	135.717	1
7067_7068	7067	7068	80.552	-12.668	0.027	0.051	1.124	493.684	1
7068_7068	7068	7068	-9.569	-1.717	0.071	0.13	2.002	144.405	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7068_7069	7068	7069	76.967	-8.51	0.032	0.069	1.49	447.082	1
7069_7069	7069	7069	-8.527	-1.92	0.068	0.071	2.571	153.442	1
7069_7070	7069	7070	74.191	-8.509	0.003	-0.017	1.643	405.392	1
7070_7070	7070	7070	4.086	-10.245	0.064	0.066	1.405	175.415	1
7070_7071	7070	7071	69.433	-4.727	0.008	0.083	1.893	349.76	1
7071_7071	7071	7071	16.801	-14.318	0.071	0.06	1.67	238.536	1
7071_7072	7071	7072	62.611	-0.929	0.021	0.094	2.756	272.88	1
7072_7072	7072	7072	28.922	5.453	-0.009	0.166	2.937	589.736	1
7072_7073	7072	7073	16.652	-34.681	0	0.091	1.723	349.211	1
7073_7073	7073	7073	33.986	5.212	-0.008	0.132	2.821	525.274	1
7073_7074	7073	7074	35.937	-28.342	-0.008	0.082	1.849	489.556	1
7074_7074	7074	7074	38.964	4.642	-0.001	0.071	2.772	466.088	1
7074_7075	7074	7075	58.913	-24.943	0.019	0.021	2.222	610.747	1
7075_7075	7075	7075	47.156	4.411	0	0.066	2.026	387.711	1
7075_7076	7075	7076	82.037	-18.271	0.016	0.08	1.902	627.589	1
7076_7076	7076	7076	47.178	3.875	-0.009	0.009	2.038	347.727	1
7076_7077	7076	7077	92.578	-21.333	-0.013	-0.02	1.849	681.264	1
7077_7077	7077	7077	41.794	3.984	-0.013	0.041	2.815	330.791	1
7077_7078	7077	7078	91.918	-13.27	-0.012	0.075	2.564	738.822	1
7078_7078	7078	7078	36.968	3.816	-0.016	-0.02	2.638	295.802	1
7078_7079	7078	7079	101.536	-28.063	-0.016	-0.028	2.496	795.644	1
7079_7079	7079	7079	33.265	3.816	-0.015	0.02	2.464	268.96	1
7079_7080	7079	7080	103.997	-21.649	-0.014	0.089	2.317	809.204	1
7080_7080	7080	7080	29.566	3.688	-0.013	-0.038	2.295	242.146	1
7080_7081	7080	7081	110.183	-25.449	0	-0.048	2.289	850.919	1
7081_7081	7081	7081	25.991	3.688	-0.013	-0.002	2.146	216.23	1
7081_7082	7081	7082	109.576	-19.095	0.002	0.09	2.281	844.784	1
7082_7082	7082	7082	22.602	3.624	-0.014	-0.051	2.006	190.309	1
7082_7083	7082	7083	113.034	-22.786	0.001	-0.057	2.259	869.674	1
7083_7083	7083	7083	20.274	-3.447	0.017	0.047	1.734	163.251	1
7083_7084	7083	7084	109.077	-3.779	0	0.06	2.275	841.121	1
7084_7084	7084	7084	23.867	-3.504	0.017	0.003	1.944	189.291	1
7084_7085	7084	7085	109.589	-8.289	0.005	-0.084	2.337	844.72	1
7085_7085	7085	7085	27.265	-3.504	0.017	0.035	2.136	213.924	1
7085_7086	7085	7086	102.646	-14.003	0.009	0.056	2.384	801.44	1
7086_7086	7086	7086	30.66	-3.616	0.02	-0.043	2.33	238.535	1
7086_7087	7086	7087	100.18	-17.596	0.018	-0.14	2.533	786.602	1
7087_7087	7087	7087	33.93	-3.629	0.02	0.041	2.532	264.007	1
7087_7088	7087	7088	92.439	-11.503	0.02	0.097	2.671	731.961	1
7088_7088	7088	7088	37.449	-3.794	0.017	-0.055	2.754	289.519	1
7088_7089	7088	7089	86.657	-12.955	0.016	-0.103	2.732	689.106	1
7089_7089	7089	7089	41.18	-3.716	0.015	0.016	2.678	337.273	1
7089_7090	7089	7090	75.956	-8.466	0.017	0.083	2.514	666.554	1
7090_7090	7090	7090	42.854	-4.063	0.007	-0.088	2.805	359.16	1
7090_7091	7090	7091	62.009	-9.264	-0.014	-0.118	2.206	608.157	1
7091_7091	7091	7091	41.83	-4.112	0.009	-0.084	3.617	402.421	1
7091_7092	7091	7092	38.301	-2.619	-0.01	-0.035	2.407	489.71	1
7092_7092	7092	7092	38.263	-4.51	0.017	-0.155	3.701	452.747	1
7092_7093	7092	7093	20.278	-0.043	0	-0.094	2.233	346.473	1
7093_7093	7093	7093	33.636	-4.692	0.017	-0.136	3.903	507.371	1
7093_7094	7093	7094	5.268	4.97	-0.008	-0.061	1.77	157.469	1
7094_7094	7094	7094	32.958	21.186	-0.075	-0.051	1.84	342.52	1
7094_7095	7094	7095	69.127	-29.455	-0.006	-0.112	2.59	349.408	1
7095_7095	7095	7095	14.939	13.931	-0.092	-0.04	2.34	237.265	1
7095_7096	7095	7096	71.369	-25.654	0.002	-0.068	2.589	417.516	1
7096_7096	7096	7096	1.021	8.81	-0.091	-0.017	2.639	176.441	1
7096_7097	7096	7097	73.633	-21.345	0.011	0.037	2.344	460.633	1
7097_7097	7097	7097	-8.143	1.927	-0.118	-0.166	4.325	157.821	1
7097_7098	7097	7098	76.677	-21.489	-0.04	-0.177	1.774	508.934	1
7098_7098	7098	7098	-8.375	1.854	-0.111	-0.127	3.389	147.513	1
7098_7099	7098	7099	77.6	-16.771	-0.037	-0.047	1.263	536.824	1
7099_7099	7099	7099	-8.788	1.804	-0.105	-0.092	2.507	137.605	1
7099_7100	7099	7100	76.653	-11.67	-0.032	0.088	0.833	543.876	1
7100_7100	7100	7100	-8.96	1.393	-0.119	-0.136	1.68	128.014	1
7100_7101	7100	7101	77.943	-15.655	-0.027	-0.051	0.581	563.434	1
7101_7101	7101	7101	-9.193	1.383	-0.111	-0.093	0.977	122.36	1
7101_7102	7101	7102	77.839	-22.447	0.015	0.21	0.433	571.766	1
7102_7102	7102	7102	-11.32	-1.466	0.104	0.099	0.56	121.74	1
7102_7103	7102	7103	77.435	-18.657	0.03	-0.135	0.609	563.984	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7103_7103	7103	7103	-10.968	-1.471	0.112	0.141	1.178	127.72	1
7103_7104	7103	7104	75.973	-15.141	0.035	0.051	0.87	544.556	1
7104_7104	7104	7104	-10.261	-1.799	0.102	0.108	1.851	133.7	1
7104_7105	7104	7105	76.683	-17.541	0.042	-0.045	1.329	537.59	1
7105_7105	7105	7105	-9.96	-1.843	0.109	0.145	2.663	143.637	1
7105_7106	7105	7106	75.527	-12.817	0.046	0.093	1.871	509.739	1
7106_7106	7106	7106	-9.542	-1.883	0.11	0.145	3.538	153.805	1
7106_7107	7106	7107	72.253	-8.57	0.053	0.094	2.509	461.422	1
7107_7107	7107	7107	-9.663	-2.143	0.102	0.092	4.422	164.257	1
7107_7108	7107	7108	69.787	-8.667	-0.001	0.031	2.744	418.418	1
7108_7108	7108	7108	-0.386	-8.797	0.094	0.047	2.732	178.484	1
7108_7109	7108	7109	65.323	-4.76	0.012	0.035	3.163	359.952	1
7109_7109	7109	7109	14.983	-13.868	0.083	0.067	2.143	234.024	1
7109_7110	7109	7110	60.473	-0.854	0.021	0.093	3.483	272.41	1
7110_7110	7110	7110	28.008	5.565	-0.019	0.144	4.279	593.442	1
7110_7111	7110	7111	16.23	-34.433	-0.004	0.072	2.489	355.352	1
7111_7111	7111	7111	32.915	5.321	-0.018	0.168	4.031	527.93	1
7111_7112	7111	7112	34.865	-27.88	-0.013	0.097	2.679	494.69	1
7112_7112	7112	7112	37.521	4.807	-0.014	0.097	3.843	467.557	1
7112_7113	7112	7113	56.941	-24.542	0.007	0.049	3.003	614.382	1
7113_7113	7113	7113	41.747	4.648	-0.011	0.08	2.913	407.061	1
7113_7114	7113	7114	71.939	-17.678	0.007	0.096	2.604	656.884	1
7114_7114	7114	7114	41.677	4.215	-0.017	0.03	2.815	364.204	1
7114_7115	7114	7115	80.299	-20.806	-0.019	0.002	2.531	705.804	1
7115_7115	7115	7115	44.061	4.243	-0.014	0.016	2.222	305.669	1
7115_7116	7115	7116	94.017	-12.328	-0.013	0.028	2.011	664.91	1
7116_7116	7116	7116	38.515	4.02	-0.016	-0.017	2.026	270.158	1
7116_7117	7116	7117	100.99	-15.847	-0.02	-0.035	1.839	708.264	1
7117_7117	7117	7117	34.307	4.02	-0.016	0.01	1.845	243.213	1
7117_7118	7117	7118	102.064	-9.005	-0.019	0.046	1.647	712.288	1
7118_7118	7118	7118	30.102	3.906	-0.014	-0.018	1.669	216.291	1
7118_7119	7118	7119	107.482	-13.331	-0.01	-0.004	1.539	743.9	1
7119_7119	7119	7119	26.014	3.906	-0.014	-0.018	1.508	190.111	1
7119_7120	7119	7120	106.064	-6.481	-0.01	0	1.424	731.982	1
7120_7120	7120	7120	21.925	3.867	-0.014	-0.044	1.348	163.931	1
7120_7121	7120	7121	109.55	-10.661	-0.009	-0.091	1.309	752.232	1
7121_7121	7121	7121	17.576	3.867	-0.013	-0.015	1.178	136.085	1
7121_7122	7121	7122	104.404	-3.257	-0.006	0.068	1.225	718.598	1
7122_7122	7122	7122	14.352	-2.512	0.004	0.001	0.904	118.441	1
7122_7123	7122	7123	104.093	-7.982	-0.005	-0.06	1.164	717.369	1
7123_7123	7123	7123	16.982	-2.512	0.005	0.017	0.954	135.278	1
7123_7124	7123	7124	96.234	-1.084	-0.003	0.023	1.128	669.08	1
7124_7124	7124	7124	19.545	-2.653	0.006	-0.019	1.005	152.118	1
7124_7125	7124	7125	91.686	-16.624	0.003	-0.085	1.129	650.787	1
7125_7125	7125	7125	22.322	-2.653	0.006	0.019	1.067	169.901	1
7125_7126	7125	7126	82.813	-10.372	0.006	0.054	1.163	595.875	1
7126_7126	7126	7126	24.951	-2.912	0.005	-0.021	1.129	187.71	1
7126_7127	7126	7127	76.571	-12.037	0.01	-0.045	1.234	555.327	1
7127_7127	7127	7127	29.619	-2.877	0.005	0	1.067	214.63	1
7127_7128	7127	7128	69.375	-7.459	0.011	0.019	1.175	513.454	1
7128_7128	7128	7128	31.186	-3.442	0.007	-0.04	1.106	230.429	1
7128_7129	7128	7129	55.949	-8.757	-0.002	-0.058	1.112	466.343	1
7129_7129	7129	7129	28.223	-3.641	0.009	-0.023	1.447	279.768	1
7129_7130	7129	7130	29.461	-2.206	0.005	0.003	1.36	386.462	1
7130_7130	7130	7130	26.091	-4.173	-0.026	-0.074	1.533	321.621	1
7130_7131	7130	7131	13.02	0.758	-0.062	-0.044	0.586	251.152	1
7131_7131	7131	7131	44.926	-17.561	0.052	0.14	-0.725	438.293	1
7131_7132	7131	7132	15.866	-3.496	0.016	0.029	0.957	188.928	1
7132_7132	7132	7132	38.1	25.15	-0.081	0.004	1.468	348.947	1
7132_7133	7132	7133	65.184	-30.815	0.047	0.053	0.661	285.997	1
7133_7133	7133	7133	20.748	15.127	-0.06	-0.011	0.856	204.988	1
7133_7134	7133	7134	72.033	-26.64	0.053	0.001	0.873	341.168	1
7134_7134	7134	7134	8.699	10.836	-0.051	-0.058	0.63	140.258	1
7134_7135	7134	7135	75.563	-22.152	0.065	-0.083	1.286	385.712	1
7135_7135	7135	7135	-12.313	0.376	0.049	0.041	-1.078	109.875	1
7135_7136	7135	7136	79.793	-21.836	-0.033	-0.065	0.951	434.01	1
7136_7136	7136	7136	-12.59	0.376	0.053	0.057	-0.687	107.98	1
7136_7137	7136	7137	81.194	-16.939	-0.032	0.002	0.632	461.04	1
7137_7137	7137	7137	-12.266	0.356	0.052	0.056	-0.236	106.094	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7137_7138	7137	7138	80.16	-11.639	-0.029	0.007	0.356	467.605	1
7138_7138	7138	7138	-12.183	-0.134	0.032	0.035	0.192	104.31	1
7138_7139	7138	7139	80.032	-25.938	0.006	-0.067	0.259	489.529	1
7139_7139	7139	7139	-12.108	-0.134	0.037	0.056	0.382	104.816	1
7139_7140	7139	7140	81.405	-21.87	0.008	0.03	0.295	498.501	1
7140_7140	7140	7140	-12.377	-0.137	0.037	0.056	0.596	105.336	1
7140_7141	7140	7141	80.653	-17.923	0.012	0.033	0.376	491.374	1
7141_7141	7141	7141	-12.301	-0.137	0.037	0.056	0.819	105.855	1
7141_7142	7141	7142	78.543	-14.267	0.016	0.035	0.498	472.806	1
7142_7142	7142	7142	-12.824	-0.463	0.034	0.035	1.037	106.383	1
7142_7143	7142	7143	78.929	-16.893	0.017	-0.031	0.686	467.013	1
7143_7143	7143	7143	-13.14	-0.494	0.038	0.052	1.302	108.749	1
7143_7144	7143	7144	76.879	-12.002	0.018	0.038	0.9	440.601	1
7144_7144	7144	7144	-13.679	-0.545	0.039	0.053	1.606	111.343	1
7144_7145	7144	7145	72.113	-7.594	0.021	0.04	1.149	393.648	1
7145_7145	7145	7145	-14.751	-0.792	0.031	0.042	1.915	114.256	1
7145_7146	7145	7146	68.254	-7.67	-0.014	0.041	1.12	351.567	1
7146_7146	7146	7146	6.059	-10.722	0.038	-0.001	0.834	151.835	1
7146_7147	7146	7147	62.101	-3.654	-0.005	-0.009	1.202	294.79	1
7147_7147	7147	7147	18.15	-15.422	0.044	0.045	0.863	222.812	1
7147_7148	7147	7148	52.937	0.352	0.001	0.048	1.447	217.945	1
7148_7148	7148	7148	58.457	23.625	0.01	-0.142	-1.727	565.356	1
7148_7149	7148	7149	9.122	-33.936	0.002	0.046	1.127	299.634	1
7149_7149	7149	7149	24.059	6.232	-0.007	0.076	1.769	457.016	1
7149_7150	7149	7150	26.12	-27.489	-0.006	0.043	1.187	424.698	1
7150_7150	7150	7150	27.264	5.498	-0.005	0.046	1.687	391.9	1
7150_7151	7150	7151	46.028	-24.07	0.013	0.024	1.402	528.096	1
7151_7151	7151	7151	33.568	5.006	-0.004	0.023	1.323	309.536	1
7151_7152	7151	7152	65.612	-17.411	0.012	0.028	1.324	526.941	1
7152_7152	7152	7152	32.096	4.395	-0.01	0.024	1.288	267.781	1
7152_7153	7152	7153	73.61	-20.502	-0.013	0.04	1.228	566.305	1
7153_7153	7153	7153	31.785	4.338	-0.009	-0.006	0.993	233.004	1
7153_7154	7153	7154	81.876	-12.208	-0.01	-0.01	0.89	561.618	1
7154_7154	7154	7154	25.617	4.102	-0.006	-0.005	0.874	198.035	1
7154_7155	7154	7155	87.78	-15.398	-0.006	-0.002	0.836	596.482	1
7155_7155	7155	7155	20.95	4.102	-0.006	-0.005	0.811	171.582	1
7155_7156	7155	7156	87.434	-8.503	-0.005	0.001	0.789	594.162	1
7156_7156	7156	7156	16.538	4.033	-0.006	-0.006	0.754	145.152	1
7156_7157	7156	7157	90.833	-12.581	-0.002	0.017	0.775	612.727	1
7157_7157	7157	7157	12.367	4.033	-0.007	-0.014	0.693	121.507	1
7157_7158	7157	7158	88.259	-6.332	-0.002	-0.02	0.757	597.323	1
7158_7158	7158	7158	8.196	4.01	-0.006	-0.011	0.626	97.861	1
7158_7159	7158	7159	90.477	-21.078	0.003	0.021	0.778	610.559	1
7159_7159	7159	7159	10.132	-3.515	0.005	0.004	0.689	108.284	1
7159_7160	7159	7160	86.905	-15.17	0.002	-0.014	0.787	591.014	1
7160_7160	7160	7160	13.65	-3.644	0.007	0.008	0.736	128.893	1
7160_7161	7160	7161	87.051	-18.275	0.009	0.018	0.869	592.254	1
7161_7161	7161	7161	17.796	-3.644	0.006	-0.002	0.809	152.397	1
7161_7162	7161	7162	80.951	-11.989	0.008	-0.012	0.942	556.412	1
7162_7162	7162	7162	21.942	-3.953	0.007	-0.006	0.875	175.901	1
7162_7163	7162	7163	77.57	-13.128	0.01	-0.013	1.037	532.735	1
7163_7163	7163	7163	26.203	-4.003	0.009	-0.001	1.035	214.602	1
7163_7164	7163	7164	66.039	-8.676	0.014	0.015	1.192	509.628	1
7164_7164	7164	7164	28.515	-4.683	0.002	-0.018	1.094	235.79	1
7164_7165	7164	7165	53.707	-9.356	-0.012	-0.022	1.008	469.758	1
7165_7165	7165	7165	27.822	-5.041	0.003	-0.044	1.247	287.679	1
7165_7166	7165	7166	29.024	-3.033	-0.009	-0.028	0.935	390.023	1
7166_7166	7166	7166	26.406	-5.906	0.005	-0.055	1.27	340.876	1
7166_7167	7166	7167	12.14	-0.355	-0.004	-0.033	0.87	268.085	1
7167_7167	7167	7167	23.568	-6.416	0.006	-0.066	1.321	402.238	1
7167_7168	7167	7168	23.439	-2.708	-0.001	0.033	0.115	179.747	1
7168_7168	7168	7168	42.109	24.178	-0.035	-0.035	0.72	341.241	1
7168_7169	7168	7169	64.806	-30.389	0.005	-0.048	0.985	286.315	1
7169_7169	7169	7169	22.751	16.071	-0.027	0	0.553	212.684	1
7169_7170	7169	7170	72.182	-26.452	0.007	-0.004	0.72	338.516	1
7170_7170	7170	7170	8.541	11.572	-0.027	-0.004	0.517	146.945	1
7170_7171	7170	7171	76.653	-22.187	0.011	-0.003	0.718	380.963	1
7171_7171	7171	7171	-4.541	8	-0.017	-0.024	0.519	103.004	1
7171_7172	7171	7172	81.962	-22.083	-0.012	0.003	0.561	427.531	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7172_7172	7172	7172	-2.744	0.861	0.025	0.029	-0.514	94.223	1
7172_7173	7172	7173	84.545	-17.349	-0.008	-0.05	0.444	455.499	1
7173_7173	7173	7173	-3.418	0.861	0.027	0.041	-0.314	90.033	1
7173_7174	7173	7174	84.664	-12.224	-0.006	0.012	0.349	464.692	1
7174_7174	7174	7174	-4.093	0.301	0.029	0.041	-0.1	85.841	1
7174_7175	7174	7175	86.937	-15.874	-0.009	0.013	0.273	483.24	1
7175_7175	7175	7175	-4.27	0.301	0.026	0.026	0.072	84.744	1
7175_7176	7175	7176	87.788	-12.023	-0.005	-0.074	0.235	491.024	1
7176_7176	7176	7176	-5.797	0.263	0.03	0.042	0.212	83.696	1
7176_7177	7176	7177	86.431	-8.057	-0.003	0.016	0.224	483.621	1
7177_7177	7177	7177	-11.933	-0.091	-0.027	-0.037	-0.024	83.425	1
7177_7178	7177	7178	86.305	-14.54	0.011	0.036	0.369	465.214	1
7178_7178	7178	7178	-11.88	-0.774	-0.024	-0.035	-0.186	83.754	1
7178_7179	7178	7179	86.752	-16.633	0.008	0.035	0.459	456.427	1
7179_7179	7179	7179	-11.273	-0.774	-0.027	-0.046	-0.38	87.519	1
7179_7180	7179	7180	84.728	-11.909	0.012	-0.02	0.587	428.966	1
7180_7180	7180	7180	-10.915	-0.779	-0.024	-0.034	-0.601	91.299	1
7180_7181	7180	7181	79.968	-7.651	0.012	0.038	0.735	382.911	1
7181_7181	7181	7181	-1.378	-7.654	0.026	0.026	0.546	101.357	1
7181_7182	7181	7182	75.963	-7.492	-0.008	0.022	0.728	340.642	1
7182_7182	7182	7182	10.757	-11.627	0.027	0.022	0.535	145.525	1
7182_7183	7182	7183	69.71	-3.667	-0.003	0.029	0.785	285.538	1
7183_7183	7183	7183	23.154	-16.163	0.031	-0.001	0.64	216.46	1
7183_7184	7183	7184	61.176	0.161	0.005	0.005	1.078	209.166	1
7184_7184	7184	7184	58.982	26.67	0.006	-0.07	-1.242	603.458	1
7184_7185	7184	7185	12.037	-34.99	0.003	0.071	0.831	257.487	1
7185_7185	7185	7185	50.447	19.808	0.001	-0.056	-1.095	393.963	1
7185_7186	7185	7186	31.418	-28.939	-0.004	0.015	0.889	385.497	1
7186_7186	7186	7186	30.827	4.382	-0.003	0.066	1.237	326.625	1
7186_7187	7186	7187	54.799	-25.373	0.013	0.073	1.073	495.859	1
7187_7187	7187	7187	34.944	4.141	-0.003	-0.001	1.095	268.261	1
7187_7188	7187	7188	74.405	-18.933	0.011	-0.003	1.132	525.447	1
7188_7188	7188	7188	33.634	3.646	-0.005	0.021	1.061	233.568	1
7188_7189	7188	7189	84.388	-21.217	-0.006	0.034	1.091	572.295	1
7189_7189	7189	7189	32.158	3.683	-0.005	-0.007	0.93	217.551	1
7189_7190	7189	7190	92.079	-13.233	-0.004	-0.014	0.95	618.563	1
7190_7190	7190	7190	27.024	3.423	-0.005	-0.005	0.858	186.856	1
7190_7191	7190	7191	99.361	-15.676	-0.006	-0.003	0.898	661.998	1
7191_7191	7191	7191	23.343	3.416	-0.005	-0.005	0.808	164.048	1
7191_7192	7191	7192	100.591	-9.025	-0.004	0	0.862	668.111	1
7192_7192	7192	7192	19.501	3.306	-0.005	-0.011	0.75	141.263	1
7192_7193	7192	7193	104.596	-12.507	0.002	-0.004	0.89	690.586	1
7193_7193	7193	7193	16.204	3.304	-0.005	-0.011	0.704	121.264	1
7193_7194	7193	7194	103.266	-18.072	0.006	0.008	0.946	680.635	1
7194_7194	7194	7194	15.338	-3.555	0.007	0.004	0.753	112.697	1
7194_7195	7194	7195	105.5	-21.387	0.004	-0.024	0.971	694.378	1
7195_7195	7195	7195	18.968	-3.555	0.007	0.013	0.824	134.229	1
7195_7196	7195	7196	102.11	-15.738	0.007	0.025	1.021	674.729	1
7196_7196	7196	7196	22.598	-3.733	0.008	0.001	0.898	155.76	1
7196_7197	7196	7197	101.643	-18.256	0.011	-0.002	1.117	672.186	1
7197_7197	7197	7197	26.444	-3.758	0.008	0.001	0.972	180.73	1
7197_7198	7197	7198	95.257	-12.255	0.013	0.001	1.222	633.198	1
7198_7198	7198	7198	30.67	-4.2	0.008	-0.011	1.059	205.793	1
7198_7199	7198	7199	90.544	-12.91	0.008	-0.019	1.261	601.513	1
7199_7199	7199	7199	35.655	-4.138	0.008	-0.006	1.225	235.068	1
7199_7200	7199	7200	79.365	-8.553	0.01	0.012	1.373	545.399	1
7200_7200	7200	7200	38.24	-4.657	0.006	-0.003	1.294	256.65	1
7200_7201	7200	7201	64.753	-8.506	-0.008	0.007	1.205	497.644	1
7201_7201	7201	7201	35.982	-4.849	0.008	-0.11	2.048	316.695	1
7201_7202	7201	7202	36.406	-2.545	-0.011	-0.099	1.552	424.244	1
7202_7202	7202	7202	34.371	-5.486	0.006	-0.042	2.156	369.387	1
7202_7203	7202	7203	18.179	0.114	0	-0.024	1.423	295.396	1
7203_7203	7203	7203	31.233	-5.758	0.006	-0.167	2.2	428.564	1
7203_7204	7203	7204	11.517	-1.075	0.006	-0.07	0.989	159.151	1
7204_7204	7204	7204	43.666	24.406	-0.044	-0.009	1.24	368.551	1
7204_7205	7204	7205	71.966	-29.726	-0.007	-0.018	1.565	318.483	1
7205_7205	7205	7205	25.288	18.152	-0.042	-0.031	1.055	241.354	1
7205_7206	7205	7206	78.277	-26.126	0.004	-0.049	1.172	378.19	1
7206_7206	7206	7206	10.852	12.985	-0.041	-0.013	1.053	169.939	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7206_7207	7206	7207	82.072	-22.223	0.008	0.004	1.065	421.176	1
7207_7207	7207	7207	-3.284	8.186	-0.04	-0.04	1.134	121.143	1
7207_7208	7207	7208	86.533	-21.834	-0.013	-0.005	0.824	467.534	1
7208_7208	7208	7208	-9.266	0.06	0.055	0.063	-1.206	108.194	1
7208_7209	7208	7209	88.726	-17.443	-0.008	0.006	0.656	497.158	1
7209_7209	7209	7209	-9.312	0.06	0.052	0.048	-0.764	107.893	1
7209_7210	7209	7210	88.93	-12.68	-0.002	-0.049	0.569	510.102	1
7210_7210	7210	7210	-9.358	-0.576	0.062	0.064	-0.347	107.592	1
7210_7211	7210	7211	89.893	-26.479	0.005	0.031	0.386	531.249	1
7211_7211	7211	7211	-9.032	-0.576	0.062	0.064	0.024	109.743	1
7211_7212	7211	7212	91.6	-22.742	0.01	0.039	0.423	540.354	1
7212_7212	7212	7212	-8.707	-0.576	0.058	0.044	0.396	111.895	1
7212_7213	7212	7213	91.344	-19.104	0.017	-0.046	0.529	534.898	1
7213_7213	7213	7213	-9.554	-0.614	0.063	0.065	0.725	114.114	1
7213_7214	7213	7214	89.844	-15.704	0.02	0.05	0.683	519.169	1
7214_7214	7214	7214	-9.207	-0.942	0.064	0.056	1.102	116.406	1
7214_7215	7214	7215	89.953	-16.931	0.009	0.033	0.823	509.467	1
7215_7215	7215	7215	-9.987	-1.043	0.065	0.057	1.598	121.221	1
7215_7216	7215	7216	88.043	-12.531	0.014	0.042	1.032	483	1
7216_7216	7216	7216	-10.454	-1.179	0.061	0.04	2.095	126.438	1
7216_7217	7216	7217	83.8	-8.55	0.021	-0.01	1.318	439.439	1
7217_7217	7217	7217	-5.38	-6.531	0.023	-0.053	1.632	134.746	1
7217_7218	7217	7218	80.041	-8.076	-0.002	-0.082	1.449	398.084	1
7218_7218	7218	7218	8.451	-10.78	0.024	-0.069	1.322	176.533	1
7218_7219	7218	7219	74.373	-4.546	0.002	-0.103	1.636	345.137	1
7219_7219	7219	7219	22.808	-15.89	0.036	0.216	1.088	242.454	1
7219_7220	7219	7220	66.485	-0.954	-0.012	0.243	1.805	265.416	1
7220_7220	7220	7220	34.614	6.399	0.001	0.038	2.581	573.181	1
7220_7221	7220	7221	19.288	-34.506	0.003	0.006	1.52	338.945	1
7221_7221	7221	7221	39.432	6.174	0.002	0.161	2.576	502.319	1
7221_7222	7221	7222	40.024	-29.001	-0.002	0.085	1.693	469.507	1
7222_7222	7222	7222	43.589	5.7	-0.012	0.022	2.649	436.555	1
7222_7223	7222	7223	64.554	-25.454	0.011	-0.033	1.938	582.233	1
7223_7223	7223	7223	50.058	5.533	-0.007	0.053	1.62	351.009	1
7223_7224	7223	7224	89.073	-19.498	0.01	0.069	1.423	598.071	1
7224_7224	7224	7224	48.233	5.197	-0.013	-0.045	1.545	305.465	1
7224_7225	7224	7225	99.421	-20.88	-0.011	-0.125	1.367	645.266	1
7225_7225	7225	7225	42.793	5.331	-0.013	0.039	1.516	295.54	1
7225_7226	7225	7226	100.401	-12.737	-0.006	0.09	1.368	729.827	1
7226_7226	7226	7226	35.11	5.092	-0.014	-0.062	1.323	246.492	1
7226_7227	7226	7227	106.077	-13.962	-0.014	-0.18	1.226	769.559	1
7227_7227	7227	7227	29.637	5.079	-0.013	0.026	1.169	210.124	1
7227_7228	7227	7228	105.886	-7.415	-0.009	0.135	1.12	770.023	1
7228_7228	7228	7228	23.958	4.963	-0.014	-0.065	1.017	173.868	1
7228_7229	7228	7229	107.49	-21.534	-0.005	-0.223	0.987	781.359	1
7229_7229	7229	7229	21.914	-4.449	0.002	0.04	0.762	169.223	1
7229_7230	7229	7230	102.457	-15.385	0	0.15	0.945	748.092	1
7230_7230	7230	7230	26.884	-4.719	0.008	-0.078	0.781	200.961	1
7230_7231	7230	7231	99.736	-16.274	0.008	-0.205	0.984	727.807	1
7231_7231	7231	7231	32.025	-4.762	0.009	0.038	0.866	236.377	1
7231_7232	7231	7232	91.161	-10.361	0.013	0.121	1.095	667.764	1
7232_7232	7232	7232	37.56	-5.283	-0.001	-0.106	0.974	271.865	1
7232_7233	7232	7233	89.644	-14.62	-0.022	-0.208	1.016	656.42	1
7233_7233	7233	7233	39.01	-5.224	-0.001	-0.048	1.523	282.517	1
7233_7234	7233	7234	84.661	-11.589	-0.029	-0.075	1.381	633.254	1
7234_7234	7234	7234	41.517	-5.107	0	-0.032	1.52	302.614	1
7234_7235	7234	7235	73.088	-7.582	-0.022	-0.022	1.162	583.337	1
7235_7235	7235	7235	43.411	-5.005	0.001	-0.004	1.524	332.776	1
7235_7236	7235	7236	63.364	-5.126	-0.015	0.037	1.085	542.119	1
7236_7236	7236	7236	36.676	-5.636	-0.019	-0.175	2.389	391.039	1
7236_7237	7236	7237	37.114	-3.785	-0.047	-0.159	1.277	512.039	1
7237_7237	7237	7237	35.277	-5.79	-0.016	0.015	2.169	441.643	1
7237_7238	7237	7238	23.542	-0.343	-0.05	0.067	0.754	412.083	1
7238_7238	7238	7238	33.177	-8.273	0.029	-0.224	2.001	489.442	1
7238_7239	7238	7239	16.676	-6.84	0.106	0.003	1.637	357.034	1
7239_7239	7239	7239	31.068	-8.505	0.031	0.049	2.272	554.571	1
7239_7240	7239	7240	8.942	-2.53	0.099	0.155	2.478	260.121	1
7240_7240	7240	7240	24.777	16.022	-0.058	-0.123	1.478	356.719	1
7240_7241	7240	7241	82.282	-23.981	-0.065	-0.411	2.978	432.214	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7241_7241	7241	7241	13.726	13.33	-0.051	0.034	1.319	276.471	1
7241_7242	7241	7242	84.069	-19.452	-0.059	-0.144	1.92	461.46	1
7242_7242	7242	7242	0.057	9.981	-0.056	0.083	1.344	209.351	1
7242_7243	7242	7243	82.41	-14.981	-0.052	0.005	1.331	468.589	1
7243_7243	7243	7243	-9.709	9.706	-0.057	-0.067	1.086	159.577	1
7243_7244	7243	7244	87.309	-21.841	-0.031	-0.191	0.929	530.696	1
7244_7244	7244	7244	-18.598	1.374	-0.056	-0.055	0.959	129.212	1
7244_7245	7244	7245	90.08	-16.922	-0.037	0.026	0.445	569.96	1
7245_7245	7245	7245	-11.962	-0.504	0.062	0.051	-1.008	127.626	1
7245_7246	7245	7246	92.747	-26.008	0.035	-0.135	0.56	606.998	1
7246_7246	7246	7246	-11.524	-0.504	0.072	0.11	-0.367	131.084	1
7246_7247	7246	7247	94.116	-20.613	0.031	0.115	0.839	610.082	1
7247_7247	7247	7247	-12.477	-0.912	0.091	0.021	0.249	134.183	1
7247_7248	7247	7248	95.245	-19.128	-0.001	-0.226	0.841	605.972	1
7248_7248	7248	7248	-12.283	-0.949	0.109	0.122	1.085	140.085	1
7248_7249	7248	7249	93.499	-13.756	-0.003	0.174	0.92	572.007	1
7249_7249	7249	7249	-14.297	-1.52	0.137	0.011	2.106	147.422	1
7249_7250	7249	7250	91.469	-11.623	0.079	-0.092	1.927	531.792	1
7250_7250	7250	7250	-15.899	-2.474	0.15	0.082	3.23	159.274	1
7250_7251	7250	7251	86.83	-7.328	0.072	0.138	2.875	470.727	1
7251_7251	7251	7251	-0.306	-9.525	-0.108	-0.318	2.683	200.841	1
7251_7252	7251	7252	88.499	-14.906	-0.046	-0.209	2.688	463.896	1
7252_7252	7252	7252	10.402	-11.399	-0.073	-0.106	1.334	253.744	1
7252_7253	7252	7253	88.24	-10.198	-0.058	0.106	2.174	432.292	1
7253_7253	7253	7253	35.309	10.725	-0.248	1.025	1.75	648.513	1
7253_7254	7253	7254	16.079	-21.626	-0.064	0.203	1.34	352.45	1
7254_7254	7254	7254	36.387	7.624	0.168	-0.053	0.056	584.751	1
7254_7255	7254	7255	28.623	-27.486	0.073	0.015	2.41	453.849	1
7255_7255	7255	7255	39.438	7.516	0.169	0.143	1.989	509.727	1
7255_7256	7255	7256	40.035	-22.583	0.083	0.136	3.509	505.526	1
7256_7256	7256	7256	40.881	5.521	0.006	-0.001	3.696	447.606	1
7256_7257	7256	7257	55.56	-29.019	-0.04	-0.084	3.436	593.195	1
7257_7257	7257	7257	49.044	5.293	0.004	0.037	2.362	366.997	1
7257_7258	7257	7258	79.054	-25.984	-0.026	0.038	2.076	586.293	1
7258_7258	7258	7258	48.813	5.37	0.004	0.043	2.432	338.788	1
7258_7259	7258	7259	86.58	-23.515	-0.026	0.066	1.991	615.837	1
7259_7259	7259	7259	47.535	5.138	-0.026	-0.049	2.456	319.595	1
7259_7260	7259	7260	96.964	-23.288	-0.013	-0.128	1.954	669.503	1
7260_7260	7260	7260	45.966	5.25	-0.018	0.001	1.663	275.037	1
7260_7261	7260	7261	107.614	-18.87	-0.008	0.014	1.404	671.027	1
7261_7261	7261	7261	41.361	5.25	-0.018	0.027	1.504	249.054	1
7261_7262	7261	7262	110.94	-14.82	-0.007	0.078	1.361	693.539	1
7262_7262	7262	7262	37.087	5.011	-0.014	-0.036	1.359	224.944	1
7262_7263	7262	7263	116.726	-27.662	-0.014	-0.089	1.123	737.984	1
7263_7263	7263	7263	31.247	5.009	-0.014	0.002	1.197	191.857	1
7263_7264	7263	7264	117.78	-21.645	-0.012	0.043	0.913	746.695	1
7264_7264	7264	7264	25.751	4.843	-0.011	-0.042	1.049	159.148	1
7264_7265	7264	7265	119.809	-22.064	-0.003	-0.145	0.802	760.218	1
7265_7265	7265	7265	22.955	-5.061	0	0.015	0.616	165.844	1
7265_7266	7265	7266	115.172	-16.34	0.001	0.088	0.743	734.956	1
7266_7266	7266	7266	28.617	-5.365	0.002	-0.061	0.61	198.653	1
7266_7267	7266	7267	112.125	-16.719	-0.005	-0.133	0.605	716.977	1
7267_7267	7267	7267	34.836	-5.365	0.004	0.004	0.639	233.746	1
7267_7268	7267	7268	103.416	-11.281	0	0.05	0.539	664.957	1
7268_7268	7268	7268	40.988	-5.908	-0.008	-0.113	0.681	269.309	1
7268_7269	7268	7269	101.154	-14.374	-0.038	-0.218	0.37	650.824	1
7269_7269	7269	7269	40.439	-5.881	-0.009	-0.077	0.871	308.284	1
7269_7270	7269	7270	84.148	-9.83	-0.044	-0.111	0.014	659.814	1
7270_7270	7270	7270	44.525	-5.78	-0.007	0.005	0.784	346.123	1
7270_7271	7270	7271	66.687	-5.482	-0.036	0.06	-0.362	587.39	1
7271_7271	7271	7271	39.441	-6.489	-0.08	-0.271	1.087	427.293	1
7271_7272	7271	7272	38.058	-3.778	-0.09	-0.268	-1.553	541.538	1
7272_7272	7272	7272	38.051	-6.662	-0.076	0.104	0.124	493.029	1
7272_7273	7272	7273	19.856	0.265	-0.063	0.138	-1.971	404.527	1
7273_7273	7273	7273	34.627	-9.783	0.254	-0.333	-0.894	565.633	1
7273_7274	7273	7274	17.261	-10.456	0.295	-0.082	-0.044	381.486	1
7274_7274	7274	7274	33.42	-10.022	0.258	-0.118	0.524	610.435	1
7274_7275	7274	7275	11.846	-7.261	0.24	0.077	2.016	329.832	1
7275_7275	7275	7275	18.623	12.69	0.139	0.42	1.884	336.606	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7275_7276	7275	7276	85.327	-16.218	0.27	0.401	4.07	450.743	1
7276_7276	7276	7276	11.304	11.499	-0.101	-0.141	2.835	290.568	1
7276_7277	7276	7277	86.881	-23.59	-0.112	-0.253	3.386	473.622	1
7277_7277	7277	7277	7.213	10.302	-0.093	-0.047	2.384	252.585	1
7277_7278	7277	7278	88.635	-18.214	-0.086	-0.101	1.661	497.881	1
7278_7278	7278	7278	-6.478	7.958	-0.1	0.034	1.726	192.25	1
7278_7279	7278	7279	85.848	-13.095	-0.073	0.114	0.673	495.893	1
7279_7279	7279	7279	-16.909	6.498	-0.022	-0.09	0.913	147.746	1
7279_7280	7279	7280	87.408	-16.019	0.034	-0.229	0.894	527.694	1
7280_7280	7280	7280	-19.85	2.972	-0.005	-0.034	0.927	116.809	1
7280_7281	7280	7281	84.625	-8.835	0.026	0.124	1.014	518.879	1
7281_7281	7281	7281	-18.973	-0.504	0.19	0.008	-4.84	139.393	1
7281_7282	7281	7282	72.978	-9.111	-0.056	-0.222	1.696	574.378	1
7282_7282	7282	7282	-20.384	-0.636	0.227	0.118	-2.668	144.545	1
7282_7283	7282	7283	75.099	-14.51	0.004	0.182	0.579	534.235	1
7283_7283	7283	7283	-22.152	-2.236	0.201	-0.051	-0.211	150.681	1
7283_7284	7283	7284	79.976	-17.99	0.175	-0.279	2.289	545.341	1
7284_7284	7284	7284	-23.106	-2.988	0.261	0.133	1.793	170.441	1
7284_7285	7284	7285	81.74	-12.773	0.173	0.265	4.227	523.796	1
7285_7285	7285	7285	-14.499	-7.58	0.048	-0.185	3.149	203.49	1
7285_7286	7285	7286	85.809	-16.978	-0.11	-0.272	3.757	532.05	1
7286_7286	7286	7286	-5.156	-9.099	0.053	-0.065	2.844	253.31	1
7286_7287	7286	7287	87.583	-13.197	-0.137	-0.051	3.02	521.633	1
7287_7287	7287	7287	3.926	-11.349	0.06	0.14	2.366	314.057	1
7287_7288	7287	7288	88.381	-9.542	-0.175	0.238	1.885	504.947	1
7288_7288	7288	7288	31.063	8.899	0.069	-0.101	3.159	768.411	1
7288_7289	7288	7289	22.366	-27.596	0.147	-0.074	2.609	526.323	1
7289_7289	7289	7289	33.345	8.784	0.07	0.5	4.009	669.64	1
7289_7290	7289	7290	33.654	-22.136	0.157	0.377	4.661	618.36	1
7290_7290	7290	7290	34.676	6.615	0.039	-0.108	4.882	586.677	1
7290_7291	7290	7291	42.672	-25.516	0.002	-0.172	4.951	696.634	1
7291_7291	7291	7291	35.233	6.647	0.039	-0.056	5.158	544.753	1
7291_7292	7291	7292	51.734	-20.906	0.017	-0.119	5.415	766.265	1
7292_7292	7292	7292	40.463	6.585	0.028	0.268	3.706	460.002	1
7292_7293	7292	7293	64.361	-18.508	0.017	0.403	3.811	729.989	1
7293_7293	7293	7293	39.325	4.54	-0.029	-0.145	3.872	439.567	1
7293_7294	7293	7294	72.72	-39.426	-0.06	-0.288	3.849	815.718	1
7294_7294	7294	7294	37.496	4.565	-0.028	-0.018	3.665	416.62	1
7294_7295	7294	7295	80.565	-34.71	-0.054	-0.048	3.382	898.196	1
7295_7295	7295	7295	29.866	4.578	-0.042	0.239	5.263	418.336	1
7295_7296	7295	7296	72.823	-31.212	-0.071	0.477	4.705	1018.838	1
7296_7296	7296	7296	28.08	3.994	-0.05	-0.175	4.966	394.591	1
7296_7297	7296	7297	80.57	-32.782	-0.065	-0.484	4.089	1121.786	1
7297_7297	7297	7297	25.649	3.994	-0.048	0.103	4.419	362.259	1
7297_7298	7297	7298	84.449	-26.789	-0.067	0.311	3.303	1173.168	1
7298_7298	7298	7298	23.232	3.472	-0.05	-0.216	3.914	328.973	1
7298_7299	7298	7299	89.887	-29.814	-0.045	-0.775	2.683	1245.257	1
7299_7299	7299	7299	21.072	3.472	-0.048	0.104	3.354	300.247	1
7299_7300	7299	7300	91.302	-23.421	-0.039	0.453	2.038	1263.754	1
7300_7300	7300	7300	18.649	3.129	-0.05	-0.169	2.747	268.026	1
7300_7301	7300	7301	94.731	-12.455	-0.061	-0.693	1.421	1309.705	1
7301_7301	7301	7301	16.537	3.129	-0.048	0.059	2.143	239.932	1
7301_7302	7301	7302	94.274	-6.483	-0.055	0.521	0.688	1303.333	1
7302_7302	7302	7302	14.579	2.932	-0.043	-0.163	1.598	213.165	1
7302_7303	7302	7303	96.118	-9.981	-0.034	-0.767	0.166	1327.412	1
7303_7303	7303	7303	12.503	2.932	-0.042	0.039	1.043	185.553	1
7303_7304	7303	7304	93.628	-4.318	-0.027	0.646	-0.183	1293.671	1
7304_7304	7304	7304	10.711	2.785	-0.024	-0.149	0.582	161.704	1
7304_7305	7304	7305	93.312	-8.274	-0.016	-0.769	-0.38	1288.383	1
7305_7305	7305	7305	8.929	2.785	-0.022	-0.005	0.306	137.991	1
7305_7306	7305	7306	87.847	-1.706	-0.009	0.533	-0.47	1213.813	1
7306_7306	7306	7306	7.114	2.628	0.005	-0.132	0.043	112.864	1
7306_7307	7306	7307	83.025	-3.897	0.011	-0.731	-0.272	1146.778	1
7307_7307	7307	7307	5.393	2.627	0.007	-0.027	0.107	89.852	1
7307_7308	7307	7308	71.643	3.422	0.014	0.548	-0.061	991.001	1
7308_7308	7308	7308	3.696	2.705	-0.289	-0.105	0.189	66.761	1
7308_7309	7308	7309	56.64	9.615	-0.064	-0.55	-0.814	788.799	1
7309_7309	7309	7309	1.991	2.691	-0.275	-0.053	-3.13	42.898	1
7309_7310	7309	7310	34.53	18.099	-0.047	0.347	-1.195	487.337	1

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7310_7310	7310	7310	0.836	2.23	0.338	-0.061	-4.521	19.916	1
7310_7311	7310	7311	2.322	-2.425	-0.602	0.01	0	7.217	1
7400_7020	7400	7020	32.975	0.893	0.7	0.041	-22.418	123.906	1
7400_7401	7400	7401	-25.145	16.432	-3.03	0.023	-9.129	365.584	1
7401_7401	7401	7401	35.089	0.788	1.449	-0.505	-19.912	120.612	1
7401_7402	7401	7402	-25.271	13.779	0.417	-0.646	-7.358	317.481	1
7402_7402	7402	7402	36.903	1.546	1.414	0.089	-15.237	117.963	1
7402_7403	7402	7403	-23.431	13.101	0.393	0.164	-2.105	174.34	1
7403_7403	7403	7403	41.842	2.488	0.019	-0.097	-0.103	101.917	1
7403_7404	7403	7404	-23.308	10.25	0.063	-0.087	-1.519	100.474	1
7404_7404	7404	7404	45.297	3.27	-0.002	-0.045	-0.007	84.63	1
7404_7405	7404	7405	-25.411	9.609	0.078	0.007	-0.987	30.833	1
7405_7405	7405	7405	51.264	4.149	0.079	-0.076	-0.312	62.802	1
7405_7406	7405	7406	-29.91	-4.454	-0.053	0.068	-0.647	16.083	1
7406_7406	7406	7406	20.713	-5.381	-0.146	-0.023	0.401	94.862	1
7406_7407	7406	7407	-40.17	-6.375	0.946	0.136	7.879	70.704	1
7407_7407	7407	7407	19.648	-5.842	0.001	0.008	0.349	147.105	1
7407_7408	7407	7408	-41.983	-7.356	0.947	-0.02	13.102	111.386	1
7408_7408	7408	7408	18.073	-9.945	-0.07	0.047	0.976	179.847	1
7408_7409	7408	7409	-42.188	1.525	-1.75	0.82	8.704	106.184	1
7409_7409	7409	7409	18.045	9.875	-0.026	-0.036	0.763	209.845	1
7409_7410	7409	7410	-44.304	-2.373	-1.27	-0.713	4.613	112.786	1
7410_7410	7410	7410	19.6	5.756	-0.021	-0.023	0.63	179.987	1
7410_7411	7410	7411	-43.898	6.955	-0.412	0.095	2.774	73.499	1
7411_7411	7411	7411	19.548	6.079	-0.024	0.019	0.473	148.217	1
7411_7412	7411	7412	-36.626	5.466	-0.489	0.046	-0.726	21.424	1
7412_7412	7412	7412	20.849	6.019	0.003	0.012	0.351	97.282	1
7412_7413	7412	7413	-25.971	-6.974	-0.066	0.037	-1.124	29.005	1
7413_7413	7413	7413	49.408	-0.716	-0.052	0.081	-0.079	54.026	1
7413_7414	7413	7414	-23.402	-9.411	-0.073	0.057	-1.589	96.728	1
7414_7414	7414	7414	56.367	-1.906	-0.014	-0.104	0.474	73.21	1
7414_7415	7414	7415	-23.181	-9.943	-0.089	0.014	-2.206	168.346	1
7415_7415	7415	7415	58.474	-0.741	1.928	0.077	0.189	87.365	1
7415_7416	7415	7416	-23.829	-12.804	-0.474	0.044	-7.576	308.035	1
7416_7416	7416	7416	53.539	0.295	1.935	-0.491	20.699	96.769	1
7416_7417	7416	7417	-23.519	-13.366	-0.49	-0.018	-9.214	354.622	1
7417_7417	7417	7417	53.636	0.386	-0.016	0.049	28.364	95.737	1
7417_7036	7417	7036	-23.396	-15.905	3.053	-0.022	2.868	419.736	1
7420_7056	7420	7056	29.889	0.064	0.743	0.041	-19.786	83.466	1
7420_7421	7420	7421	-23.979	15.023	-3.176	0.011	-8.137	318.834	1
7421_7421	7421	7421	30.765	0.06	1.253	-0.318	-16.493	83.213	1
7421_7422	7421	7422	-24.104	12.457	0.436	-0.277	-5.948	275.377	1
7422_7422	7422	7422	31.483	0.765	1.251	0.031	-12.317	83.14	1
7422_7423	7422	7423	-23.835	11.847	0.433	0.055	-0.989	145.889	1
7423_7423	7423	7423	36.461	1.535	-0.062	-0.084	1.094	76.175	1
7423_7424	7423	7424	-23.65	9	0.014	-0.077	-0.801	80.94	1
7424_7424	7424	7424	40.677	2.172	-0.093	-0.049	0.661	66.09	1
7424_7425	7424	7425	-24.331	8.416	0.029	0.004	-0.572	20.171	1
7425_7425	7425	7425	46.467	2.963	0.091	-0.071	-0.248	52.186	1
7425_7426	7425	7426	-34.194	-3.296	0.016	-0.055	-0.344	14.639	1
7426_7426	7426	7426	21.72	-4.624	-0.092	-0.054	0.356	84.296	1
7426_7427	7426	7427	-40.484	-4.94	-0.08	-0.097	-0.954	56.457	1
7427_7427	7427	7427	20.849	-4.707	-0.03	0.064	0.184	128.173	1
7427_7428	7427	7428	-42.305	-5.882	-0.078	-0.028	-1.658	88.878	1
7428_7428	7428	7428	19.486	-9.12	0.048	0.054	0.462	154.895	1
7428_7429	7428	7429	-38.815	2.486	1.21	0.24	2.308	80.976	1
7429_7429	7429	7429	19.478	9.104	0.042	-0.048	0.657	182.557	1
7429_7430	7429	7430	-40.541	-2.29	1.396	-0.282	6.216	87.48	1
7430_7430	7430	7430	20.817	4.811	-0.02	-0.109	0.79	155.112	1
7430_7431	7430	7431	-36.666	5.943	-0.483	-0.081	3.26	54.118	1
7431_7431	7431	7431	20.739	5.131	-0.037	0.062	0.526	128.405	1
7431_7432	7431	7432	-30.135	4.067	-0.381	0.064	-0.731	13.355	1
7432_7432	7432	7432	20.913	5.527	-0.003	0.004	0.284	84.556	1
7432_7433	7432	7433	-24.766	-6.263	-0.038	0.034	-0.597	19.859	1
7433_7433	7433	7433	46.238	-1.606	0.095	0.057	-0.043	52.83	1
7433_7434	7433	7434	-24.022	-8.396	-0.026	0.006	-0.78	80.292	1
7434_7434	7434	7434	41.311	-1.353	0.076	0.08	0.659	67.937	1
7434_7435	7434	7435	-23.817	-8.963	-0.015	0.068	-0.902	144.92	1
7435_7435	7435	7435	37.075	-0.544	-1.539	-0.058	1.489	78.987	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7435_7436	7435	7436	-24.583	-11.843	-0.481	-0.105	-6.208	274.115	1
7436_7436	7436	7436	31.908	-0.11	-1.473	0.41	-14.133	87.209	1
7436_7437	7436	7437	-24.296	-12.422	-0.449	0.452	-7.884	317.4	1
7437_7437	7437	7437	30.029	-0.202	-0.543	-0.051	-19.226	87.684	1
7437_7072	7437	7072	-26.343	-15.263	3.008	-0.026	2.903	379.091	1
7440_7094	7440	7094	28.084	0.186	0.678	0.044	-15.198	83.366	1
7440_7441	7440	7441	-24.074	14.774	-3.145	0.024	-7.635	307.923	1
7441_7441	7441	7441	28.753	0.188	0.945	-0.243	-12.209	82.74	1
7441_7442	7441	7442	-24.187	12.171	0.439	-0.188	-5.523	265.428	1
7442_7442	7442	7442	29.997	0.827	0.972	-0.005	-9.247	82.296	1
7442_7443	7442	7443	-23.928	11.55	0.43	0.015	-0.662	139.147	1
7443_7443	7443	7443	35.454	1.519	-0.084	-0.063	1.156	74.563	1
7443_7444	7443	7444	-23.724	8.687	0.008	-0.04	-0.495	76.498	1
7444_7444	7444	7444	38.121	2.205	-0.076	-0.095	0.552	64.23	1
7444_7445	7444	7445	-24.385	8.103	0.001	-0.051	-0.492	18.021	1
7445_7445	7445	7445	43.951	2.897	0.074	-0.085	-0.235	50.32	1
7445_7446	7445	7446	-31.183	-3.086	0.012	-0.065	-0.377	13.885	1
7446_7446	7446	7446	21.527	-4.384	0.004	-0.106	0.18	81.395	1
7446_7447	7446	7447	-38.32	-4.703	0.026	-0.13	-0.082	53.784	1
7447_7447	7447	7447	20.85	-4.44	0.014	0.158	0.709	122.997	1
7447_7448	7447	7448	-39.902	-5.567	0.09	-0.013	0.26	84.46	1
7448_7448	7448	7448	19.601	-8.852	0.018	0.139	0.987	148.188	1
7448_7449	7448	7449	-35.963	2.23	1.195	0.625	4.213	77.005	1
7449_7449	7449	7449	19.615	8.87	0.046	-0.138	1.032	174.999	1
7449_7450	7449	7450	-38.616	-2.183	1.432	-0.646	8.234	83.128	1
7450_7450	7450	7450	20.874	4.542	-0.061	0.028	0.887	148.208	1
7450_7451	7450	7451	-36.337	5.26	0.102	0.079	-1.036	52.243	1
7451_7451	7451	7451	20.847	4.862	-0.035	-0.02	0.426	122.988	1
7451_7452	7451	7452	-29.388	4.058	-0.016	0.062	-0.339	13.531	1
7452_7452	7452	7452	21.079	5.292	-0.006	0.003	0.256	81.519	1
7452_7453	7452	7453	11.653	-1.761	-0.063	0.039	-0.131	19.124	1
7453_7453	7453	7453	45.006	-1.556	0.094	0.081	-0.049	52.392	1
7453_7454	7453	7454	-23.43	-8.101	-0.012	0.03	-0.523	76.836	1
7454_7454	7454	7454	39.958	-1.315	0.087	0.085	0.644	66.88	1
7454_7455	7454	7455	-23.231	-8.654	-0.007	0.061	-0.58	139.229	1
7455_7455	7455	7455	35.844	-0.528	-1.147	-0.007	1.57	77.52	1
7455_7456	7455	7456	-23.918	-11.545	-0.427	-0.05	-5.33	265.205	1
7456_7456	7456	7456	31.866	-0.049	-1.1	0.304	-10.221	85.064	1
7456_7457	7456	7457	-23.644	-12.097	-0.41	0.301	-6.817	307.298	1
7457_7457	7457	7457	30.314	-0.099	-0.623	-0.049	-14.133	85.424	1
7457_7110	7457	7110	-25.565	-14.989	2.989	-0.027	4.235	367.96	1
7460_7132	7460	7132	17.677	0.482	0.198	0.017	-8.737	79.708	1
7460_7461	7460	7461	-24.316	16.091	-2.299	0.025	-7.126	311.707	1
7461_7461	7461	7461	18.911	1.218	0.577	-0.094	-7.828	77.704	1
7461_7462	7461	7462	-25.066	12.415	0.449	0.069	-5.031	268.415	1
7462_7462	7462	7462	53.446	-0.391	-1.012	-0.018	9.946	75.322	1
7462_7463	7462	7463	-24.668	11.76	0.418	-0.055	-0.418	139.735	1
7463_7463	7463	7463	56.723	0.734	0.086	0.105	-1.149	80.732	1
7463_7464	7463	7464	-25.248	9.046	0.03	0.009	-0.348	74.55	1
7464_7464	7464	7464	60.78	1.943	0.168	0.011	-0.565	76.198	1
7464_7465	7464	7465	17.813	1.099	0.087	0.003	0.226	22.502	1
7465_7465	7465	7465	63.131	3.208	-0.009	0.063	0.657	63.293	1
7465_7466	7465	7466	-17.127	-3.376	-0.03	0.048	-0.311	32.393	1
7466_7466	7466	7466	19.773	-5.479	-0.005	0.053	0.094	83.558	1
7466_7467	7466	7467	-23.421	-4.5	-0.022	0.077	-0.357	70.976	1
7467_7467	7467	7467	20.543	-5.117	0.002	-0.067	-0.087	132.483	1
7467_7468	7467	7468	-25.076	-5.103	-0.061	0.022	-0.837	99.164	1
7468_7468	7468	7468	20.309	-9.687	-0.078	-0.011	-0.277	160.923	1
7468_7469	7468	7469	-24.81	0.177	-0.28	0.191	-1.502	98.124	1
7469_7469	7469	7469	21.18	10.048	0.184	-0.008	-0.953	193.1	1
7469_7470	7469	7470	-34.872	-0.993	0.503	-0.361	0.159	113.183	1
7470_7470	7470	7470	22.007	5.31	0.026	-0.003	-0.207	162.806	1
7470_7471	7470	7471	-31.823	6.227	-0.041	-0.055	0.146	78.242	1
7471_7471	7471	7471	21.89	5.772	0.029	-0.027	-0.054	133.293	1
7471_7472	7471	7472	-26.681	5.17	-0.087	-0.07	-0.3	29.975	1
7472_7472	7472	7472	19.621	6.566	0.002	-0.017	0.181	82.555	1
7472_7473	7472	7473	17.021	-1.141	-0.009	-0.009	0.103	22.282	1
7473_7473	7473	7473	61.55	-1.072	-0.043	-0.099	0.495	57.731	1
7473_7474	7473	7474	-24.62	-9	-0.034	-0.027	-0.534	84.394	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7474_7474	7474	7474	59.177	0.164	-0.132	-0.007	0.125	66	1
7474_7475	7474	7475	-24.404	-9.57	-0.004	0.106	-0.6	153.364	1
7475_7475	7475	7475	31.85	-1.667	-0.798	0.009	1.002	78.425	1
7475_7476	7475	7476	-24.54	-12.535	-0.378	0.011	-4.682	290.108	1
7476_7476	7476	7476	29.242	-1.122	-0.745	0.164	-7.218	97.683	1
7476_7477	7476	7477	-26.683	-13.291	-0.417	0.074	-6.472	336.175	1
7477_7477	7477	7477	28.182	-1.147	-0.041	-0.03	-9.985	101.772	1
7477_7148	7477	7148	-27.584	-16.162	3.037	-0.029	5.172	402.041	1
7480_7168	7480	7168	23.958	0.81	0.212	0.027	-9.686	83.181	1
7480_7481	7480	7481	-26.056	16.157	-2.906	0.012	-6.571	346.692	1
7481_7481	7481	7481	23.915	0.848	0.599	0.003	-8.358	79.871	1
7481_7482	7481	7482	-26.2	13.551	0.402	0.5	-4.317	299.408	1
7482_7482	7482	7482	25.822	1.351	0.696	-0.05	-6.656	77.266	1
7482_7483	7482	7483	-25.826	12.871	0.333	-0.188	-0.805	158.528	1
7483_7483	7483	7483	58.176	0.195	0.09	0.043	-0.849	72.918	1
7483_7484	7483	7484	-26.318	9.939	0.028	-0.041	-0.587	86.894	1
7484_7484	7484	7484	62.666	1.384	0.091	0.047	-0.171	72.217	1
7484_7485	7484	7485	19.603	0.785	0.045	0.012	0.146	26.064	1
7485_7485	7485	7485	64.749	2.625	-0.012	0.053	0.538	63.007	1
7485_7486	7485	7486	-24.249	-3.593	-0.039	0.048	-0.402	26.357	1
7486_7486	7486	7486	21.299	-5.927	0.009	0.055	0.056	87.876	1
7486_7487	7486	7487	-30.694	-4.94	0.032	0.079	0.032	69.112	1
7487_7487	7487	7487	22.838	-5.6	0.009	-0.07	-0.072	141.15	1
7487_7488	7487	7488	-31.866	-5.655	-0.01	0.017	-0.127	100.477	1
7488_7488	7488	7488	21.71	-10.474	-0.146	0.036	-0.05	172.271	1
7488_7489	7488	7489	-32.221	1.161	-0.416	0.305	-1.236	96.559	1
7489_7489	7489	7489	23.378	10.825	0.201	-0.041	-0.74	206.382	1
7489_7490	7489	7490	-30.888	-0.744	0.612	-0.274	-0.16	108.479	1
7490_7490	7490	7490	24.1	5.606	0.019	-0.095	0.069	173.832	1
7490_7491	7490	7491	-26.153	5.487	-0.039	-0.097	0.003	77.131	1
7491_7491	7491	7491	23.47	6.093	-0.006	0.036	0.15	142.693	1
7491_7492	7491	7492	-20.555	4.506	-0.057	-0.021	-0.192	34.477	1
7492_7492	7492	7492	21.12	6.976	0.014	-0.014	0.128	88.92	1
7492_7493	7492	7493	-28.743	-7.239	-0.027	0.031	-0.493	18.713	1
7493_7493	7493	7493	69.446	-0.871	-0.143	-0.008	0.599	62.482	1
7493_7494	7493	7494	-27.554	-9.467	-0.007	0.086	-0.523	86.972	1
7494_7494	7494	7494	63.995	0.209	-0.06	-0.089	-0.437	70.023	1
7494_7495	7494	7495	-27.326	-10.105	-0.04	-0.02	-0.77	159.8	1
7495_7495	7495	7495	62.926	1.291	0.836	0.009	-0.97	69.271	1
7495_7496	7495	7496	-27.57	-13.107	-0.286	0.011	-3.915	302.748	1
7496_7496	7496	7496	23.565	-1.227	-0.549	0.117	-5.237	82.74	1
7496_7497	7496	7497	-30	-13.947	-0.325	0.053	-5.378	350.91	1
7497_7497	7497	7497	23.607	-1.202	-0.317	-0.025	-7.44	87.016	1
7497_7184	7497	7184	-31.01	-16.724	2.644	-0.034	4.757	418.999	1
7500_7204	7500	7204	52.38	-0.739	0.054	-0.043	12.427	80.643	1
7500_7501	7500	7501	-27.452	16.534	-2.517	0.034	-4.726	367.387	1
7501_7501	7501	7501	57.117	-0.954	-0.915	0.215	12.722	84.612	1
7501_7502	7501	7502	-26.914	13.965	0.195	-0.145	-3.657	318.644	1
7502_7502	7502	7502	57.138	0.416	-0.927	0.004	9.538	87.94	1
7502_7503	7502	7503	-27.241	13.315	0.2	0.007	-1.458	173.236	1
7503_7503	7503	7503	59.909	1.458	0.096	0.017	-0.447	85.663	1
7503_7504	7503	7504	-26.772	10.445	0.034	-0.12	-1.134	97.953	1
7504_7504	7504	7504	62.237	2.759	0.009	0.114	0.325	75.676	1
7504_7505	7504	7505	-27.593	9.788	0.066	0.037	-0.621	27.216	1
7505_7505	7505	7505	62.323	4.086	0.012	0.073	0.399	57.08	1
7505_7506	7505	7506	-37.326	-3.692	-0.038	-0.051	-0.771	14.449	1
7506_7506	7506	7506	23.515	-5.482	0	0.033	0.111	102.289	1
7506_7507	7506	7507	-48.265	-5.933	0.241	-0.039	1.374	63.686	1
7507_7507	7507	7507	21.87	-5.937	0.058	-0.102	0.374	156.812	1
7507_7508	7507	7508	-49.846	-7.036	0.172	-0.125	2.139	102.466	1
7508_7508	7508	7508	20.256	-10.561	0.064	0.158	1.111	190.151	1
7508_7509	7508	7509	-45.911	2.866	1.232	0.967	6.119	93.501	1
7509_7509	7509	7509	20.272	10.634	0.136	-0.159	1.306	222.081	1
7509_7510	7509	7510	-47.454	-2.854	1.538	-0.985	10.616	101.84	1
7510_7510	7510	7510	22.183	6.213	-0.084	-0.085	1.601	189.931	1
7510_7511	7510	7511	-43.246	6.842	-0.776	-0.034	5.833	63.519	1
7511_7511	7511	7511	21.987	6.558	-0.078	0.041	0.882	155.727	1
7511_7512	7511	7512	-32.217	5.051	-0.743	-0.086	-0.679	13.444	1
7512_7512	7512	7512	22.605	6.684	0	0.001	0.368	100.544	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7512_7513	7512	7513	-28.362	-7.708	-0.058	0.044	-0.808	30.266	1
7513_7513	7513	7513	51.38	-1.747	0.014	0.057	-0.027	58.329	1
7513_7514	7513	7514	-26.775	-10.131	-0.019	0.028	-0.897	103.193	1
7514_7514	7514	7514	47.079	-1.486	0.016	0.06	0.109	74.992	1
7514_7515	7514	7515	-25.995	-10.757	-0.019	0.051	-1.027	180.685	1
7515_7515	7515	7515	42.008	-0.564	-0.642	-0.102	0.403	87.215	1
7515_7516	7515	7516	-27.239	-13.586	-0.129	-0.389	-2.568	329.031	1
7516_7516	7516	7516	36.463	-0.048	-0.751	0.479	-6.028	95.696	1
7516_7517	7516	7517	-26.905	-14.235	-0.023	1.19	-3.06	378.68	1
7517_7517	7517	7517	35.225	-0.161	-0.752	-0.036	-8.887	95.866	1
7517_7220	7517	7220	-29.201	-16.96	2.349	0.073	4.402	447.704	1
7520_7240	7520	7240	58.273	9.26	1.432	-0.057	13.971	102.29	1
7520_7521	7520	7521	-38.497	10.987	-5.981	-0.697	-13.11	426.013	1
7521_7521	7521	7521	59.451	-1.309	-1.098	0.158	16.589	79.06	1
7521_7522	7521	7522	-37.322	15.742	0.404	-0.896	-10.937	371.489	1
7522_7522	7522	7522	61.71	-0.003	-1.251	0.023	13.131	83.651	1
7522_7523	7522	7523	-36.797	14.82	0.44	0.128	-5.552	209.508	1
7523_7523	7523	7523	63.384	1.117	0.09	-0.037	-0.793	85.526	1
7523_7524	7523	7524	-37.251	12.123	0.239	-0.207	-3.495	121.784	1
7524_7524	7524	7524	66.051	2.466	-0.04	0.116	-0.072	78.007	1
7524_7525	7524	7525	-38.467	11.189	0.304	0.107	-1.239	40.742	1
7525_7525	7525	7525	65.932	4.073	0.08	0.06	-0.627	61.544	1
7525_7526	7525	7526	-34.062	-3.215	-0.042	-0.049	-0.412	10.49	1
7526_7526	7526	7526	33.142	-6.08	0.5	-0.216	-1.996	112.653	1
7526_7527	7526	7527	-49.652	-6.009	1.285	-0.063	11.053	59.872	1
7527_7527	7527	7527	31.065	-6.672	0.16	0.226	0.407	173.22	1
7527_7528	7527	7528	-54.542	-7.38	1.429	-0.133	18.994	100.126	1
7528_7528	7528	7528	28.83	-13.108	0.227	0.041	0.746	210.405	1
7528_7529	7528	7529	-48.152	3.312	-0.238	2.12	18.839	89.453	1
7529_7529	7529	7529	28.766	12.899	0.304	-0.184	1.272	250.155	1
7529_7530	7529	7530	-50.54	-3.288	1.056	-2.342	22.074	99.586	1
7530_7530	7530	7530	31.217	6.635	0.112	-0.379	2.255	211.157	1
7530_7531	7530	7531	-44.447	6.726	-1.541	-0.028	13.098	61.545	1
7531_7531	7531	7531	30.704	7.099	0.11	0.161	1.827	174.811	1
7531_7532	7531	7532	-33.122	4.92	-1.317	-0.09	0.772	13.026	1
7532_7532	7532	7532	30.55	7.525	-0.158	-0.01	2.743	114.67	1
7532_7533	7532	7533	-40.001	-8.455	0.177	0.024	0.316	30.4	1
7533_7533	7533	7533	53.765	-1.105	0.066	-0.028	1.785	60.281	1
7533_7534	7533	7534	-37.967	-11.077	0.145	-0.122	1.37	109.982	1
7534_7534	7534	7534	48.88	-1.244	-0.019	0.079	2.342	74.383	1
7534_7535	7534	7535	-37.64	-11.943	0.22	0.09	2.872	196.006	1
7535_7535	7535	7535	43.127	-0.375	0.145	-0.025	2.403	85.147	1
7535_7536	7535	7536	-37.71	-14.721	-0.128	-0.317	1.397	356.742	1
7536_7536	7536	7536	36.564	0.055	0.02	0.142	3.662	91.981	1
7536_7537	7536	7537	-37.35	-15.613	-0.034	0.658	1.002	411.192	1
7537_7537	7537	7537	35.866	-0.119	-1.417	-1.007	3.823	91.55	1
7537_7253	7537	7253	-40.614	-17.888	0.043	0.025	0.881	483.658	1
7540_7275	7540	7275	53.905	-0.874	-1.273	-0.494	6.892	80.694	1
7540_7541	7540	7541	-39.333	15.955	-0.069	-0.269	1.967	399.342	1
7541_7541	7541	7541	57.12	-1.064	-0.042	-0.15	0.095	85.399	1
7541_7542	7541	7542	-39.238	14.689	-0.588	-0.787	-0.121	347.866	1
7542_7542	7542	7542	60.221	0.197	-0.117	0.044	-0.672	89.784	1
7542_7543	7542	7543	-38.025	13.658	-0.495	-0.042	-5.51	198.299	1
7543_7543	7543	7543	64.527	1.312	0.255	-0.087	-2.839	90.754	1
7543_7544	7543	7544	-39.347	11.453	0.149	-0.293	-3.983	115.273	1
7544_7544	7544	7544	66.979	2.72	0.073	0.166	-0.949	81.833	1
7544_7545	7544	7545	-39.606	10.522	0.25	0.125	-2.076	39.431	1
7545_7545	7545	7545	66.855	4.467	0.055	0.082	-0.86	63.609	1
7545_7546	7545	7546	-36.363	-3.687	-0.034	-0.072	-0.118	13.901	1
7546_7546	7546	7546	35.651	-5.722	0.937	-0.318	-3.974	116.672	1
7546_7547	7546	7547	-53.033	-6.782	1.978	-0.075	17.866	69.059	1
7547_7547	7547	7547	32.757	-6.221	0.375	0.185	0.448	172.829	1
7547_7548	7547	7548	-55.87	-8.095	2.193	-0.243	30.459	113.412	1
7548_7548	7548	7548	30.37	-13.196	0.661	-0.105	-0.353	208.215	1
7548_7549	7548	7549	-48.052	2.994	-0.888	3.645	27.742	103.031	1
7549_7549	7549	7549	30.711	13.659	0.758	-0.379	1.762	248.351	1
7549_7550	7549	7550	-50.475	-2.308	1.332	-4.241	32.46	112.072	1
7550_7550	7550	7550	32.839	6.43	0.299	-0.329	1.398	207.728	1
7550_7551	7550	7551	-43.113	7.599	-2.123	0.087	19.431	67.675	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7551_7551	7551	7551	32.074	6.868	0.436	0.02	1.157	171.487	1
7551_7552	7551	7552	-28.176	5.19	-1.693	-0.186	2.23	15.964	1
7552_7552	7552	7552	32.269	6.968	-0.222	-0.058	4.549	116.916	1
7552_7553	7552	7553	-44.713	-8.963	0.366	0.044	0.987	37.431	1
7553_7553	7553	7553	54.503	-1.135	0.192	-0.014	3.562	72.1	1
7553_7554	7553	7554	-43.068	-11.563	0.384	-0.09	3.766	118.322	1
7554_7554	7554	7554	49.588	-1.662	0.192	-0.018	5.241	88.359	1
7554_7555	7554	7555	-42.762	-12.648	0.439	-0.019	6.795	207.353	1
7555_7555	7555	7555	43.819	-0.629	-0.285	-0.02	6.857	101.78	1
7555_7556	7555	7556	-45.642	-15.488	0.094	-0.212	7.943	371.718	1
7556_7556	7556	7556	37.437	-0.137	-0.398	-0.05	2.611	112.319	1
7556_7557	7556	7557	-45.19	-16.759	0.112	-0.268	8.275	429.177	1
7557_7557	7557	7557	36.903	-3.904	-5.4	-0.533	0.951	112.85	1
7557_7288	7557	7288	-45.309	-14.89	-2.806	-0.224	-3.829	490.528	1
47000_7000	47000	7000	1.462	15.266	-0.892	-0.488	0	11.236	1
47000_7001	47000	7001	-0.836	-53.901	0.377	0.325	3.956	560.005	1
47001_7001	47001	7001	-0.39	-3.422	1.03	0.717	10.82	32.194	1
47001_7002	47001	7002	-1.05	-45.951	0.502	0.379	9.997	906.606	1
47002_7002	47002	7002	-0.438	-3.587	-0.314	0.827	19.947	64.539	1
47002_7003	47002	7003	-1.154	-37.157	-0.372	-0.113	6.866	1251.767	1
47003_7003	47003	7003	-0.447	-3.587	-0.308	0.927	16.065	107.963	1
47003_7004	47003	7004	-1.309	-28.676	-0.442	1.071	3.233	1445.518	1
47004_7004	47004	7004	-0.445	-3.54	0.074	0.602	12.329	151.427	1
47004_7005	47004	7005	-1.399	-30.237	0.011	-0.917	4.39	1614.972	1
47005_7005	47005	7005	-0.445	-3.54	0.075	0.941	13.226	194.272	1
47005_7006	47005	7006	-1.447	-23.138	0.006	1.804	5.496	1668.918	1
47006_7006	47006	7006	-0.444	-3.599	0.227	0.459	14.134	237.144	1
47006_7007	47006	7007	-1.465	-27.185	0.095	-0.904	7.686	1758.3	1
47007_7007	47007	7007	-0.472	-3.602	0.226	0.947	16.767	280.739	1
47007_7008	47007	7008	-1.465	-20.527	0.103	2.014	10.073	1752.74	1
47008_7008	47008	7008	-0.489	-3.66	0.244	0.242	19.422	324.397	1
47008_7009	47008	7009	-1.454	-24.968	0.218	-0.985	13.963	1797.021	1
47009_7009	47009	7009	-0.488	-3.66	0.245	0.884	22.376	368.706	1
47009_7010	47009	7010	-1.438	-18.383	0.219	1.957	17.818	1751.384	1
47010_7010	47010	7010	-0.488	-3.756	0.24	0.013	25.343	413.047	1
47010_7011	47010	7011	-1.452	-8.31	0.173	-1.065	18.804	1754.712	1
47011_7011	47011	7011	-0.488	-3.756	0.241	0.764	28.247	458.55	1
47011_7012	47011	7012	-1.437	-1.303	0.175	1.779	22.129	1678.322	1
47012_7012	47012	7012	-0.487	-3.949	0.244	-0.301	31.16	504.048	1
47012_7013	47012	7013	-1.419	-5.301	0.366	-1.247	27.618	1645.518	1
47013_7013	47013	7013	-0.487	-3.949	0.245	0.659	34.117	551.866	1
47013_7014	47013	7014	-1.399	1.826	0.351	1.56	32.495	1519.936	1
47014_7014	47014	7014	-0.487	-4.124	0.269	-0.188	37.085	599.721	1
47014_7015	47014	7015	-1.361	1.359	0.303	-0.472	37.102	1374.657	1
47015_7015	47015	7015	-0.464	-4.155	0.267	0.105	41.151	665.138	1
47015_7016	47015	7016	-1.385	6.297	0.312	0.652	39.544	1241.247	1
47016_7016	47016	7016	-0.373	-4.918	0.141	-0.515	43.357	699.452	1
47016_7017	47016	7017	-0.797	-9.409	-0.1	-0.914	33.973	1093.45	1
47017_7017	47017	7017	-0.268	-4.989	0.14	-0.186	44.643	757.679	1
47017_7018	47017	7018	-0.737	-2.553	-0.066	0.128	29.947	842.629	1
47018_7018	47018	7018	-0.117	-5.484	0.03	-1.128	46.163	824.062	1
47018_7019	47018	7019	-0.708	0.266	-0.039	-0.695	26.818	579.979	1
47019_7019	47019	7019	0.027	-5.485	0.031	-0.229	46.711	892.809	1
47019_7020	47019	7020	0.114	-1.415	0.099	-0.127	19.582	351.967	1
47020_7020	47020	7020	-13.376	23.814	-0.725	-0.492	19.748	626.316	1
47020_7021	47020	7021	40.235	-31.865	-0.024	-0.862	31.76	559.537	1
47021_7021	47021	7021	-17.723	16.127	-0.78	-0.223	23.098	424.938	1
47021_7022	47021	7022	35.16	-27.897	0.057	-0.542	28.083	652.929	1
47022_7022	47022	7022	-25.601	11.095	-0.791	0.061	25.566	314.524	1
47022_7023	47022	7023	29.888	-23.478	0.127	0.23	25.459	716.346	1
47023_7023	47023	7023	-45.096	2.047	-1.141	-1.121	46.955	252.875	1
47023_7024	47023	7024	24.946	-23.345	-0.36	-0.971	19.559	787.819	1
47024_7024	47024	7024	-43.517	1.938	-1.086	-0.853	38.026	237.244	1
47024_7025	47024	7025	20.562	-18.403	-0.307	-0.045	14.485	828.559	1
47025_7025	47025	7025	-41.932	1.87	-1.077	-0.843	29.435	222.207	1
47025_7026	47025	7026	17.251	-13.045	-0.223	0.032	10.517	838.641	1
47026_7026	47026	7026	-41.302	1.431	-1.125	-1.16	20.872	207.344	1
47026_7027	47026	7027	15.359	-16.742	-0.252	-0.848	7.778	866.547	1
47027_7027	47027	7027	-39.978	1.413	-1.116	-1.186	14.288	198.85	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47027_7028	47027	7028	14.068	-12.691	-0.162	-1.03	6.01	876.618	1
47028_7028	47028	7028	-39.979	1.413	-1.043	-0.837	7.596	190.383	1
47028_7029	47028	7029	13.221	-8.512	-0.097	0.609	5.132	861.047	1
47029_7029	47029	7029	-39.979	1.413	-1.043	-0.837	1.335	181.903	1
47029_7030	47029	7030	15.713	-16.232	0.334	0.893	7.756	828.573	1
47030_7030	47030	7030	-39.981	0.726	-0.998	-1.08	-4.926	173.423	1
47030_7031	47030	7031	18.281	-18.354	0.29	-0.042	10.688	815.136	1
47031_7031	47031	7031	-39.981	0.726	-0.993	-1.059	-12.902	167.62	1
47031_7032	47031	7032	21.718	-13.406	0.372	0.111	14.795	771.009	1
47032_7032	47032	7032	-56.037	-2.151	1.105	1.118	22.874	178.787	1
47032_7033	47032	7033	25.605	-8.956	0.42	1.032	19.784	696.288	1
47033_7033	47033	7033	-39.242	-8.225	0.889	0.436	18.773	215.397	1
47033_7034	47033	7034	29.747	-8.888	0.044	0.643	22.139	630.087	1
47034_7034	47034	7034	-24.94	-13.081	0.805	-0.108	18.108	297.146	1
47034_7035	47034	7035	33.73	-4.906	0.2	-0.142	26.441	543.306	1
47035_7035	47035	7035	-17.363	-18.265	0.792	0.784	17.908	419.176	1
47035_7036	47035	7036	38.78	-0.936	0.284	0.938	33.401	416.126	1
47036_7036	47036	7036	20.862	25.422	0.019	-1.471	-29.427	898.968	1
47036_7037	47036	7037	-13.756	-35.935	0.074	0.452	18.411	514.951	1
47037_7037	47037	7037	-12.331	6.943	0.089	0.665	28.224	790.805	1
47037_7038	47037	7038	-15.477	-29.597	-0.003	0.4	21.084	746.392	1
47038_7038	47038	7038	-12.534	6.021	-0.085	0.178	29.332	703.786	1
47038_7039	47038	7039	-17.562	-26.277	0.169	-0.217	25.077	956.365	1
47039_7039	47039	7039	-12.678	5.712	-0.057	0.834	28.166	622.615	1
47039_7040	47039	7040	-18.609	-19.629	0.206	1.122	28.813	1056.187	1
47040_7040	47040	7040	-12.66	4.782	-0.098	-0.258	27.603	555.557	1
47040_7041	47040	7041	-19.142	-22.999	-0.091	-1.02	28.792	1142.268	1
47041_7041	47041	7041	-12.46	4.648	-0.076	0.502	26.927	512.523	1
47041_7042	47041	7042	-19.347	-13.693	-0.006	0.899	29.834	1201.006	1
47042_7042	47042	7042	-12.46	4.145	-0.163	-0.316	25.755	440.83	1
47042_7043	47042	7043	-18.909	-17.257	-0.23	-0.928	27.952	1285.736	1
47043_7043	47043	7043	-12.46	4.145	-0.142	0.339	23.819	391.504	1
47043_7044	47043	7044	-17.974	-9.57	-0.159	1.225	26.544	1294.637	1
47044_7044	47044	7044	-12.46	3.955	-0.108	-0.322	22.13	342.188	1
47044_7045	47044	7045	-16.962	-13.895	-0.069	-0.501	26.215	1353.323	1
47045_7045	47045	7045	-12.461	3.955	-0.098	-0.097	20.846	295.089	1
47045_7046	47045	7046	-14.907	-19.042	0	0.669	26.227	1326.787	1
47046_7046	47046	7046	-4.384	-4.288	0.185	0.039	21.531	266.112	1
47046_7047	47046	7047	-14.814	-23.206	0.08	-1.039	26.77	1358.478	1
47047_7047	47047	7047	-4.383	-4.288	0.192	0.57	23.733	317.163	1
47047_7048	47047	7048	-14.897	-15.956	0.123	1.1	27.716	1302.758	1
47048_7048	47048	7048	-4.383	-4.372	0.194	-0.111	26.021	368.209	1
47048_7049	47048	7049	-15.041	-19.726	0.208	-0.601	29.401	1294.996	1
47049_7049	47049	7049	-4.383	-4.372	0.198	0.241	28.328	420.24	1
47049_7050	47049	7050	-14.88	-12.686	0.233	0.453	31.115	1210.622	1
47050_7050	47050	7050	-4.383	-4.637	0.221	-0.436	30.679	472.268	1
47050_7051	47050	7051	-14.027	-14.532	0.162	-0.772	31.559	1146.003	1
47051_7051	47051	7051	-4.651	-4.702	0.225	0.211	33.853	544.384	1
47051_7052	47051	7052	-13.084	-9.139	0.216	0.778	32.277	1059.911	1
47052_7052	47052	7052	-4.56	-5.331	0.058	-0.796	35.694	583.156	1
47052_7053	47052	7053	-11.162	-10.31	-0.242	-1.155	27.806	963.285	1
47053_7053	47053	7053	-4.423	-5.445	0.068	-0.267	36.414	647.37	1
47053_7054	47053	7054	-8.67	-3.296	-0.156	0.076	32.257	762.136	1
47054_7054	47054	7054	-4.482	-5.852	0.128	-0.968	36.992	720.133	1
47054_7055	47054	7055	-6.282	-0.351	0	-0.583	21.547	533.53	1
47055_7055	47055	7055	-4.493	-6.024	0.136	-0.706	38.36	793.892	1
47055_7056	47055	7056	0.329	-1.547	0.091	-0.2	11.69	295.741	1
47056_7056	47056	7056	-15.206	23.315	-0.746	-0.531	19.204	565.361	1
47056_7057	47056	7057	36.75	-31.624	-0.035	-1.148	26.659	573.268	1
47057_7057	47057	7057	-19.907	15.319	-0.79	-0.281	21.503	381.175	1
47057_7058	47057	7058	32.688	-27.521	0.035	-0.51	23.236	668.446	1
47058_7058	47058	7058	-30.393	9.634	-0.788	-0.113	24.496	282.139	1
47058_7059	47058	7059	28.384	-22.995	0.113	0.305	21.062	737.964	1
47059_7059	47059	7059	-41.876	2.088	-1.031	-1.411	39.852	250.938	1
47059_7060	47059	7060	24.337	-22.976	-0.303	-1.474	16.269	814.416	1
47060_7060	47060	7060	-40.493	2.025	-0.966	-1.088	31.672	234.483	1
47060_7061	47060	7061	20.752	-17.999	-0.269	-0.385	12.054	858.963	1
47061_7061	47061	7061	-39.646	1.989	-0.91	-0.809	23.998	218.459	1
47061_7062	47061	7062	18.07	-12.624	-0.221	0.707	8.597	871.36	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47062_7062	47062	7062	-38.202	1.577	-0.991	-1.386	16.853	202.767	1
47062_7063	47062	7063	16.54	-16.547	-0.197	-1.377	6.5	901.276	1
47063_7063	47063	7063	-38.203	1.577	-0.928	-1.065	10.901	193.299	1
47063_7064	47063	7064	15.203	-24.038	0.148	0.553	4.522	913.389	1
47064_7064	47064	7064	-38.046	-1.269	0.931	1.21	0.74	193.648	1
47064_7065	47064	7065	16.081	-20.03	0.225	0.504	5.669	900.61	1
47065_7065	47065	7065	-38.045	-1.269	0.936	1.233	6.322	201.253	1
47065_7066	47065	7066	17.447	-16.295	0.295	0.637	7.641	869.669	1
47066_7066	47066	7066	-39.76	-1.756	0.924	1.102	11.79	208.912	1
47066_7067	47066	7067	19.909	-18.604	0.3	0.343	10.822	856.46	1
47067_7067	47067	7067	-40.582	-1.779	0.929	1.108	19.143	223.053	1
47067_7068	47067	7068	23.255	-13.639	0.363	0.448	14.875	811.376	1
47068_7068	47068	7068	-42.663	-1.848	0.943	1.141	26.503	237.332	1
47068_7069	47068	7069	27.06	-9.162	0.419	0.602	19.726	734.786	1
47069_7069	47069	7069	-42.882	-2.067	0.897	0.624	34.029	252.185	1
47069_7070	47069	7070	31.108	-9.162	0.035	-0.147	21.746	666.267	1
47070_7070	47070	7070	-28.369	-11.03	0.842	0.576	18.598	288.297	1
47070_7071	47070	7071	34.936	-5.089	0.107	0.733	25.059	574.836	1
47071_7071	47071	7071	-20.741	-15.403	0.804	0.538	18.842	390.487	1
47071_7072	47071	7072	39.84	-1	0.234	0.834	31.091	446.709	1
47072_7072	47072	7072	-6.383	6.113	-0.101	0.936	33.124	884.868	1
47072_7073	47072	7073	-11.675	-35.934	0.004	0.496	19.425	537.201	1
47073_7073	47073	7073	-6.54	5.945	-0.095	0.751	31.82	808.044	1
47073_7074	47073	7074	-12.91	-29.364	-0.087	0.452	20.853	771.417	1
47074_7074	47074	7074	-6.209	5.35	-0.016	0.345	31.262	734.436	1
47074_7075	47074	7075	-14.529	-25.911	0.218	-0.031	25.055	983.854	1
47075_7075	47075	7075	-6.089	5.154	-0.007	0.732	31.247	661.412	1
47075_7076	47075	7076	-15.136	-19.023	0.254	0.957	29.335	1084.48	1
47076_7076	47076	7076	-5.786	4.34	-0.142	0.041	31.43	600.877	1
47076_7077	47076	7077	-15.357	-22.821	-0.2	-0.39	28.514	1181.227	1
47077_7077	47077	7077	-5.822	4.291	-0.136	0.394	30.253	567.143	1
47077_7078	47077	7078	-15.174	-14.292	-0.128	0.719	27.554	1266.714	1
47078_7078	47078	7078	-5.822	4.11	-0.167	-0.194	28.356	507.154	1
47078_7079	47078	7079	-12.472	-30.224	-0.174	-0.266	26.826	1364.137	1
47079_7079	47079	7079	-5.823	4.11	-0.162	0.195	26.483	461.134	1
47079_7080	47079	7080	-11.577	-23.316	-0.151	0.849	24.907	1387.384	1
47080_7080	47080	7080	-5.823	3.973	-0.143	-0.364	24.667	415.161	1
47080_7081	47080	7081	-10.921	-27.409	-0.005	-0.457	24.604	1458.905	1
47081_7081	47081	7081	-5.823	3.973	-0.138	-0.016	23.065	370.728	1
47081_7082	47081	7082	-10.557	-20.566	0.017	0.858	24.512	1448.386	1
47082_7082	47082	7082	-5.539	3.903	-0.15	-0.484	21.56	326.286	1
47082_7083	47082	7083	-10.521	-24.54	0.009	-0.549	24.28	1491.061	1
47083_7083	47083	7083	-3.408	-3.713	0.188	0.453	18.636	279.895	1
47083_7084	47083	7084	-10.549	-4.07	0.002	0.578	24.447	1442.106	1
47084_7084	47084	7084	-3.407	-3.773	0.184	0.026	20.893	324.541	1
47084_7085	47084	7085	-10.525	-8.927	0.056	-0.804	25.121	1448.276	1
47085_7085	47085	7085	-3.407	-3.773	0.187	0.338	22.953	366.774	1
47085_7086	47085	7086	-12.002	-15.081	0.098	0.536	25.619	1374.074	1
47086_7086	47086	7086	-3.407	-3.894	0.21	-0.411	25.044	408.969	1
47086_7087	47086	7087	-12.638	-18.951	0.192	-1.339	27.227	1348.634	1
47087_7087	47087	7087	-3.777	-3.908	0.214	0.395	27.211	452.642	1
47087_7088	47087	7088	-12.947	-12.388	0.211	0.93	28.706	1254.952	1
47088_7088	47088	7088	-3.777	-4.086	0.178	-0.523	29.601	496.382	1
47088_7089	47088	7089	-12.75	-13.953	0.173	-0.99	29.365	1181.476	1
47089_7089	47089	7089	-3.741	-4.119	0.185	0.207	31.999	550.635	1
47089_7090	47089	7090	-12.143	-9.315	0.207	0.809	30.03	1084.931	1
47090_7090	47090	7090	-3.659	-4.72	0.082	-0.595	33.519	584.594	1
47090_7091	47090	7091	-10.603	-10.396	-0.163	-0.905	26.37	978.623	1
47091_7091	47091	7091	-3.797	-4.859	0.085	-0.414	34.2	640.92	1
47091_7092	47091	7092	-8.423	-3.194	-0.098	-0.088	22.756	763.15	1
47092_7092	47092	7092	-3.857	-5.311	0.157	-0.915	34.994	705.548	1
47092_7093	47092	7093	-6.184	-0.337	0.003	-0.559	21.118	527.317	1
47093_7093	47093	7093	-3.797	-5.435	0.163	-0.647	36.89	772.196	1
47093_7094	47093	7094	-4.476	5.055	-0.077	-0.285	16.728	233.873	1
47094_7094	47094	7094	-15.018	22.768	-0.706	-0.47	17.395	554.264	1
47094_7095	47094	7095	36.187	-31.654	-0.06	-1.04	24.489	565.411	1
47095_7095	47095	7095	-19.256	14.925	-0.752	-0.321	19.22	374.428	1
47095_7096	47095	7096	32.3	-27.485	0.016	-0.543	21.267	658.882	1
47096_7096	47096	7096	-29.13	9.439	-0.748	-0.136	21.676	278.442	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47096_7097	47096	7097	28.139	-22.868	0.091	0.292	19.257	726.926	1
47097_7097	47097	7097	-39.351	2.064	-0.972	-1.33	35.525	249.057	1
47097_7098	47097	7098	24.222	-23.023	-0.332	-1.416	14.575	803.149	1
47098_7098	47098	7098	-37.903	1.986	-0.915	-1.019	27.841	232.79	1
47098_7099	47098	7099	20.737	-17.968	-0.304	-0.377	10.374	847.163	1
47099_7099	47099	7099	-36.789	1.932	-0.863	-0.738	20.592	217.155	1
47099_7100	47099	7100	18.122	-12.503	-0.262	0.704	6.841	858.291	1
47100_7100	47100	7100	-35.377	1.492	-0.977	-1.086	13.802	202.018	1
47100_7101	47100	7101	16.622	-16.773	-0.221	-0.409	4.774	889.155	1
47101_7101	47101	7101	-34.738	1.482	-0.912	-0.747	8.025	193.097	1
47101_7102	47101	7102	15.022	-24.049	0.119	1.681	3.553	902.304	1
47102_7102	47102	7102	-37.752	-1.57	0.856	0.795	4.6	192.118	1
47102_7103	47102	7103	15.78	-19.988	0.245	-1.083	5.005	890.023	1
47103_7103	47103	7103	-38.274	-1.576	0.922	1.124	9.678	201.555	1
47103_7104	47103	7104	17.005	-16.221	0.291	0.409	7.15	859.365	1
47104_7104	47104	7104	-38.274	-1.928	0.836	0.866	15.206	210.993	1
47104_7105	47104	7105	19.257	-18.793	0.341	-0.362	10.913	848.372	1
47105_7105	47105	7105	-39.558	-1.975	0.894	1.16	21.876	226.674	1
47105_7106	47105	7106	22.395	-13.732	0.378	0.74	15.371	804.419	1
47106_7106	47106	7106	-40.709	-2.017	0.902	1.16	29.062	242.72	1
47106_7107	47106	7107	25.976	-9.182	0.435	0.754	20.608	728.171	1
47107_7107	47107	7107	-42.7	-2.296	0.836	0.733	36.321	259.214	1
47107_7108	47107	7108	29.821	-9.286	-0.008	0.25	22.54	660.305	1
47108_7108	47108	7108	-31.551	-9.425	0.771	0.378	22.443	281.666	1
47108_7109	47108	7109	33.417	-5.1	0.099	0.281	25.979	568.041	1
47109_7109	47109	7109	-20.734	-14.897	0.763	0.61	19.576	377.428	1
47109_7110	47109	7110	38.043	-0.917	0.192	0.854	31.824	439.335	1
47110_7110	47110	7110	-6.162	6.192	-0.177	0.628	39.073	878.613	1
47110_7111	47110	7111	-11.479	-35.657	-0.034	0.271	22.731	539.097	1
47111_7111	47111	7111	-6.277	6.018	-0.166	0.943	36.829	800.91	1
47111_7112	47111	7112	-12.668	-28.878	-0.119	0.503	24.477	768.396	1
47112_7112	47112	7112	-6.186	5.485	-0.129	0.492	35.107	726.251	1
47112_7113	47112	7113	-14.3	-25.497	0.064	0.153	27.436	975.26	1
47113_7113	47113	7113	-6.103	5.298	-0.122	0.509	33.61	652.917	1
47113_7114	47113	7114	-15.022	-18.384	0.077	0.67	30.05	1065.721	1
47114_7114	47114	7114	-5.76	4.646	-0.198	0.195	32.475	590.88	1
47114_7115	47114	7115	-15.399	-22.141	-0.216	-0.039	29.206	1148.553	1
47115_7115	47115	7115	-5.801	4.596	-0.195	0.231	30.841	552.789	1
47115_7116	47115	7116	-15.501	-13.353	-0.175	0.4	27.906	1202.46	1
47116_7116	47116	7116	-5.801	4.354	-0.224	-0.244	28.119	488.568	1
47116_7117	47116	7117	-15.18	-17.165	-0.284	-0.495	25.523	1280.863	1
47117_7117	47117	7117	-5.801	4.354	-0.219	0.142	25.61	439.839	1
47117_7118	47117	7118	-14.478	-9.754	-0.268	0.657	22.855	1288.14	1
47118_7118	47118	7118	-5.801	4.231	-0.199	-0.26	23.161	391.153	1
47118_7119	47118	7119	-13.718	-14.44	-0.145	-0.06	21.363	1345.309	1
47119_7119	47119	7119	-5.801	4.231	-0.199	-0.26	20.935	343.806	1
47119_7120	47119	7120	-13.019	-7.021	-0.138	0.003	19.767	1323.755	1
47120_7120	47120	7120	-5.802	4.189	-0.196	-0.622	18.708	296.462	1
47120_7121	47120	7121	-12.508	-11.547	-0.12	-1.294	18.169	1360.377	1
47121_7121	47121	7121	-5.802	4.189	-0.186	-0.213	16.351	246.104	1
47121_7122	47121	7122	-12.34	-3.528	-0.085	0.958	16.999	1299.552	1
47122_7122	47122	7122	-6.542	-2.721	0.062	0.02	12.548	214.195	1
47122_7123	47122	7123	-12.527	-8.646	-0.066	-0.858	16.158	1297.33	1
47123_7123	47123	7123	-6.542	-2.721	0.068	0.239	13.24	244.645	1
47123_7124	47123	7124	-13.03	-1.174	-0.04	0.329	15.651	1210.001	1
47124_7124	47124	7124	-6.647	-2.874	0.077	-0.274	13.947	275.099	1
47124_7125	47124	7125	-15.699	-18.007	0.046	-1.213	15.669	1176.918	1
47125_7125	47125	7125	-6.646	-2.874	0.089	0.275	14.813	307.258	1
47125_7126	47125	7126	-16.168	-11.235	0.08	0.766	16.134	1077.612	1
47126_7126	47126	7126	-6.887	-3.154	0.066	-0.297	15.67	339.465	1
47126_7127	47126	7127	-16.026	-13.038	0.134	-0.641	17.125	1004.284	1
47127_7127	47127	7127	-6.92	-3.218	0.075	0.054	16.523	380.34	1
47127_7128	47127	7128	-15.381	-8.303	0.172	0.434	18.197	906.625	1
47128_7128	47128	7128	-6.851	-4.009	0.108	-0.595	17.133	406.877	1
47128_7129	47128	7129	-13.622	-9.915	-0.033	-0.954	17.236	812.291	1
47129_7129	47129	7129	-6.906	-4.214	0.118	-0.078	18.2	456.564	1
47129_7130	47129	7130	-11.024	-2.665	0.061	0.168	17.107	616.234	1
47130_7130	47130	7130	-7.003	-4.788	-0.322	-0.496	19.285	512.842	1
47130_7131	47130	7131	-8.367	0.605	-0.777	-0.339	7.376	390.437	1

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47131_7131	47131	7131	15.482	-19.117	0.65	1.155	-9.144	681.364	1
47131_7132	47131	7132	6.262	-3.886	0.207	0.398	12.026	286.038	1
47132_7132	47132	7132	-13.247	27.109	-1.017	0.038	18.466	579.125	1
47132_7133	47132	7133	39.243	-33.216	0.59	0.529	8.317	474.651	1
47133_7133	47133	7133	-14.666	16.371	-0.834	-0.162	11.875	351.887	1
47133_7134	47133	7134	34.783	-28.831	0.731	0.008	12.119	585.657	1
47134_7134	47134	7134	-18.712	11.727	-0.714	-0.846	8.75	240.77	1
47134_7135	47134	7135	30.052	-23.974	0.907	-1.211	17.851	662.122	1
47135_7135	47135	7135	-44.849	0.407	0.68	0.594	-14.967	188.614	1
47135_7136	47135	7136	25.557	-23.631	-0.462	-0.948	13.195	745.031	1
47136_7136	47136	7136	-44.848	0.407	0.736	0.827	-9.533	185.361	1
47136_7137	47136	7137	21.516	-18.333	-0.447	0.035	8.771	791.432	1
47137_7137	47137	7137	-43.901	0.385	0.724	0.824	-3.277	182.123	1
47137_7138	47137	7138	18.365	-12.596	-0.402	0.109	4.935	802.701	1
47138_7138	47138	7138	-43.356	-0.145	0.439	0.519	2.664	179.061	1
47138_7139	47138	7139	13.093	-28.071	0.082	-0.984	3.592	840.336	1
47139_7139	47139	7139	-43.356	-0.145	0.512	0.818	5.3	179.93	1
47139_7140	47139	7140	13.184	-23.669	0.114	0.445	4.097	855.738	1
47140_7140	47140	7140	-43.9	-0.149	0.516	0.822	8.272	180.821	1
47140_7141	47140	7141	13.646	-19.397	0.168	0.482	5.213	843.504	1
47141_7141	47141	7141	-43.9	-0.149	0.516	0.822	11.37	181.713	1
47141_7142	47141	7142	14.61	-15.44	0.218	0.506	6.905	811.63	1
47142_7142	47142	7142	-44.847	-0.501	0.466	0.518	14.392	182.62	1
47142_7143	47142	7143	16.559	-18.282	0.235	-0.46	9.516	801.686	1
47143_7143	47143	7143	-45.893	-0.535	0.53	0.759	18.076	186.681	1
47143_7144	47143	7144	19.433	-12.989	0.256	0.563	12.494	756.346	1
47144_7144	47144	7144	-47.345	-0.589	0.539	0.768	22.295	191.134	1
47144_7145	47144	7145	22.77	-8.218	0.294	0.588	15.943	675.746	1
47145_7145	47145	7145	-49.711	-0.857	0.425	0.608	26.578	196.134	1
47145_7146	47145	7146	26.413	-8.301	-0.199	0.593	15.549	603.508	1
47146_7146	47146	7146	-25.556	-11.604	0.533	-0.013	11.57	260.643	1
47146_7147	47146	7147	29.833	-3.955	-0.071	-0.129	16.687	506.043	1
47147_7147	47147	7147	-18.49	-16.638	0.593	0.456	11.651	372.324	1
47147_7148	47147	7148	34.252	0.38	0.009	0.49	19.527	364.191	1
47148_7148	47148	7148	32.442	25.416	0.131	-1.006	-23.305	861.517	1
47148_7149	47148	7149	-18.793	-35.337	0.025	0.251	15.201	468.887	1
47149_7149	47149	7149	-15.866	6.872	-0.091	0.468	23.862	715.17	1
47149_7150	47149	7150	-21.585	-28.669	-0.076	0.244	16.011	681.747	1
47150_7150	47150	7150	-16.006	6.13	-0.072	0.265	22.762	629.099	1
47150_7151	47150	7151	-24.837	-25.193	0.171	0.083	18.911	867.676	1
47151_7151	47151	7151	-15.94	5.692	-0.06	0.235	22.006	542.836	1
47151_7152	47151	7152	-26.845	-18.291	0.202	0.339	22.015	936.8	1
47152_7152	47152	7152	-15.813	4.87	-0.16	0.404	21.413	476.064	1
47152_7153	47152	7153	-28.024	-22.049	-0.224	0.721	20.428	1010.401	1
47153_7153	47153	7153	-15.853	4.737	-0.176	-0.167	20.093	434.048	1
47153_7154	47153	7154	-29.256	-13.334	-0.197	-0.271	18.01	1046.203	1
47154_7154	47154	7154	-15.853	4.48	-0.115	-0.144	17.678	368.908	1
47154_7155	47154	7155	-29.675	-16.817	-0.126	-0.057	16.92	1111.148	1
47155_7155	47155	7155	-15.853	4.48	-0.115	-0.144	16.418	319.63	1
47155_7156	47155	7156	-29.567	-9.287	-0.103	0.024	15.974	1106.827	1
47156_7156	47156	7156	-15.428	4.405	-0.122	-0.172	15.248	270.395	1
47156_7157	47156	7157	-29.357	-13.741	-0.04	0.466	15.681	1141.411	1
47157_7157	47157	7157	-15.428	4.405	-0.137	-0.398	14.03	226.347	1
47157_7158	47157	7158	-29.112	-6.916	-0.051	-0.557	15.308	1112.716	1
47158_7158	47158	7158	-15.428	4.379	-0.115	-0.302	12.658	182.299	1
47158_7159	47158	7159	-29.311	-23.021	0.053	0.589	15.74	1137.372	1
47159_7159	47159	7159	-15.263	-3.839	0.101	0.106	13.939	201.716	1
47159_7160	47159	7160	-29.523	-16.568	0.041	-0.389	15.923	1100.963	1
47160_7160	47160	7160	-15.461	-3.98	0.134	0.215	14.896	240.107	1
47160_7161	47160	7161	-29.647	-19.96	0.18	0.513	17.592	1103.272	1
47161_7161	47161	7161	-15.462	-3.98	0.12	-0.043	16.376	283.891	1
47161_7162	47161	7162	-29.268	-13.095	0.17	-0.328	19.054	1036.505	1
47162_7162	47162	7162	-15.462	-4.317	0.15	-0.171	17.701	327.675	1
47162_7163	47162	7163	-27.915	-14.339	0.21	-0.367	20.979	992.398	1
47163_7163	47163	7163	-15.425	-4.445	0.165	0.05	19.769	387.949	1
47163_7164	47163	7164	-26.426	-9.646	0.27	0.394	22.76	917.981	1
47164_7164	47164	7164	-15.662	-5.357	0.038	-0.184	20.888	424.723	1
47164_7165	47164	7165	-23.457	-10.59	-0.228	-0.271	19.252	834.665	1
47165_7165	47165	7165	-15.577	-5.76	0.047	-0.382	21.281	491.975	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47165_7166	47165	7166	-19.413	-3.576	-0.158	-0.223	15.956	650.501	1
47166_7166	47166	7166	-15.525	-6.681	0.091	-0.447	21.678	568.531	1
47166_7167	47166	7167	-15.306	-0.561	-0.062	-0.245	14.847	434.959	1
47167_7167	47167	7167	-15.499	-7.134	0.105	-0.519	22.545	652.618	1
47167_7168	47167	7168	15.829	-3.21	-0.023	0.413	1.946	283.318	1
47168_7168	47168	7168	-14.849	26.209	-0.603	-0.462	12.284	594.248	1
47168_7169	47168	7169	32.98	-32.942	0.078	-0.64	16.808	498.599	1
47169_7169	47169	7169	-19.037	17.473	-0.586	0.008	11.875	380.136	1
47169_7170	47169	7170	29.318	-28.76	0.14	-0.072	15.449	605.039	1
47170_7170	47170	7170	-25.05	12.582	-0.571	-0.066	11.091	262.639	1
47170_7171	47170	7171	25.403	-24.123	0.238	-0.053	15.418	680.906	1
47171_7171	47171	7171	-35.009	8.697	-0.364	-0.403	11.137	184.102	1
47171_7172	47171	7172	21.778	-24.01	-0.25	0.055	12.043	764.136	1
47172_7172	47172	7172	-29.687	0.936	0.537	0.49	-11.041	168.407	1
47172_7173	47172	7173	18.597	-18.862	-0.172	-0.84	9.531	814.125	1
47173_7173	47173	7173	-29.686	0.936	0.574	0.691	-6.743	160.919	1
47173_7174	47173	7174	16.341	-13.29	-0.138	0.206	7.498	830.556	1
47174_7174	47174	7174	-29.687	0.327	0.616	0.696	-2.148	153.426	1
47174_7175	47174	7175	15.159	-17.259	-0.191	0.212	5.863	863.707	1
47175_7175	47175	7175	-29.688	0.327	0.567	0.444	1.551	151.465	1
47175_7176	47175	7176	14.494	-13.072	-0.102	-1.235	5.034	877.62	1
47176_7176	47176	7176	-31.938	0.286	0.635	0.709	4.542	149.592	1
47176_7177	47176	7177	14.22	-8.76	-0.06	0.27	4.813	864.388	1
47177_7177	47177	7177	-42.036	-0.099	-0.576	-0.617	-0.526	149.109	1
47177_7178	47177	7178	18.923	-15.808	0.242	0.599	7.925	831.488	1
47178_7178	47178	7178	-42.036	-0.841	-0.523	-0.583	-3.981	149.696	1
47178_7179	47178	7179	22.007	-18.084	0.163	0.587	9.845	815.784	1
47179_7179	47179	7179	-42.036	-0.841	-0.575	-0.779	-8.165	156.425	1
47179_7180	47179	7180	25.979	-12.948	0.248	-0.33	12.606	766.702	1
47180_7180	47180	7180	-42.451	-0.847	-0.525	-0.576	-12.908	163.181	1
47180_7181	47180	7181	30.378	-8.319	0.265	0.635	15.781	684.386	1
47181_7181	47181	7181	-29.327	-8.322	0.558	0.434	11.729	181.159	1
47181_7182	47181	7182	35.017	-8.145	-0.166	0.375	15.629	608.838	1
47182_7182	47182	7182	-20.998	-12.641	0.584	0.371	11.481	260.1	1
47182_7183	47182	7183	39.356	-3.987	-0.062	0.478	16.838	510.35	1
47183_7183	47183	7183	-16.414	-17.542	0.583	-0.017	12.194	381.031	1
47183_7184	47183	7184	44.792	0.175	0.103	0.065	20.535	368.193	1
47184_7184	47184	7184	24.417	28.75	0.11	-0.552	-23.646	961.138	1
47184_7185	47184	7185	-14.341	-36.508	0.054	0.639	15.831	422.191	1
47185_7185	47185	7185	22.348	21.606	0.016	-0.48	-20.861	645.965	1
47185_7186	47185	7186	-16.31	-30.216	-0.073	0.013	-16.934	649.825	1
47186_7186	47186	7186	-8.198	5.048	-0.05	0.663	23.569	550.586	1
47186_7187	47186	7187	-18.705	-26.565	0.239	0.768	20.45	857.124	1
47187_7187	47187	7187	-8.033	4.807	-0.062	-0.227	23.365	481.635	1
47187_7188	47187	7188	-20.046	-19.864	0.24	-0.287	24.149	956.402	1
47188_7188	47188	7188	-8.112	4.082	-0.117	0.371	22.627	425.133	1
47188_7189	47188	7189	-20.793	-22.833	-0.135	0.671	23.268	1045.431	1
47189_7189	47189	7189	-7.948	4.005	-0.127	-0.166	21.87	390.179	1
47189_7190	47189	7190	-21.464	-14.389	-0.091	-0.369	22.33	1109.398	1
47190_7190	47190	7190	-7.876	3.722	-0.121	-0.13	20.175	335.129	1
47190_7191	47190	7191	-21.535	-17.046	-0.137	-0.089	21.114	1187.3	1
47191_7191	47191	7191	-7.587	3.715	-0.124	-0.132	18.987	294.222	1
47191_7192	47191	7192	-21.184	-9.814	-0.1	0.011	20.254	1198.263	1
47192_7192	47192	7192	-7.587	3.594	-0.111	-0.281	17.628	253.356	1
47192_7193	47192	7193	-20.805	-13.6	0.044	-0.113	20.924	1238.573	1
47193_7193	47193	7193	-7.457	3.593	-0.113	-0.281	16.554	217.489	1
47193_7194	47193	7194	-20.192	-19.652	0.132	0.199	22.227	1220.725	1
47194_7194	47194	7194	-6.439	-3.866	0.167	0.103	17.71	202.123	1
47194_7195	47194	7195	-20.34	-23.257	0.106	-0.602	22.814	1245.375	1
47195_7195	47195	7195	-6.439	-3.866	0.173	0.344	19.376	240.741	1
47195_7196	47195	7196	-20.475	-17.114	0.158	0.632	24.004	1210.133	1
47196_7196	47196	7196	-6.439	-4.059	0.187	0.03	21.106	279.357	1
47196_7197	47196	7197	-20.542	-19.852	0.265	-0.058	26.263	1205.572	1
47197_7197	47197	7197	-7.079	-4.087	0.184	0.026	22.859	324.141	1
47197_7198	47197	7198	-20.213	-13.326	0.294	0.025	28.727	1135.647	1
47198_7198	47198	7198	-7.079	-4.567	0.177	-0.278	24.882	369.092	1
47198_7199	47198	7199	-19.109	-14.038	0.18	-0.49	29.643	1078.819	1
47199_7199	47199	7199	-7.041	-4.624	0.184	-0.038	27.313	433.416	1
47199_7200	47199	7200	-17.908	-9.56	0.233	0.334	30.599	1002.137	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47200_7200	47200	7200	-6.952	-5.45	0.124	0.19	28.841	471.578	1
47200_7201	47200	7201	-15.592	-9.83	-0.175	0.366	26.853	902.464	1
47201_7201	47201	7201	-7.229	-5.694	0.11	-1.016	29.758	538.499	1
47201_7202	47201	7202	-12.561	-3.203	-0.155	-0.964	22.557	705.237	1
47202_7202	47202	7202	-7.048	-6.426	0.093	-0.054	31.312	614.047	1
47202_7203	47202	7203	-9.619	-0.211	-0.001	0.006	20.661	479.073	1
47203_7203	47203	7203	-7.088	-6.655	0.089	-1.428	31.983	695.046	1
47203_7204	47203	7204	1.513	-1.346	0.087	-0.585	14.366	251.567	1
47204_7204	47204	7204	-16.084	26.304	-0.644	-0.112	18.005	637.086	1
47204_7205	47204	7205	39.452	-32.038	-0.096	-0.227	22.729	550.537	1
47205_7205	47205	7205	-18.855	19.613	-0.702	-0.499	17.753	418.768	1
47205_7206	47205	7206	35.139	-28.229	0.065	-0.799	19.736	656.188	1
47206_7206	47206	7206	-24.912	14.03	-0.694	-0.204	17.734	294.857	1
47206_7207	47206	7207	30.595	-24.011	0.132	0.057	17.926	730.772	1
47207_7207	47207	7207	-36.2	8.845	-0.682	-0.652	19.091	210.191	1
47207_7208	47207	7208	26.311	-23.591	-0.223	-0.075	13.871	811.205	1
47208_7208	47208	7208	-42.929	0.065	0.931	1.014	-20.308	187.724	1
47208_7209	47208	7209	22.472	-18.847	-0.134	0.099	11.047	862.605	1
47209_7209	47209	7209	-42.93	0.065	0.877	0.78	-12.863	187.202	1
47209_7210	47209	7210	19.532	-13.7	-0.028	-0.794	9.586	885.065	1
47210_7210	47210	7210	-42.93	-0.622	1.042	1.039	-5.847	186.68	1
47210_7211	47210	7211	15.784	-28.61	0.083	0.504	6.492	921.756	1
47211_7211	47211	7211	-42.93	-0.622	1.042	1.039	0.408	190.412	1
47211_7212	47211	7212	16.332	-24.573	0.173	0.641	7.123	937.555	1
47212_7212	47212	7212	-42.932	-0.622	0.971	0.716	6.663	194.146	1
47212_7213	47212	7213	17.288	-20.642	0.289	-0.747	8.912	928.086	1
47213_7213	47213	7213	-44.911	-0.663	1.057	1.057	12.201	197.996	1
47213_7214	47213	7214	18.765	-16.968	0.343	0.815	11.499	900.797	1
47214_7214	47214	7214	-44.912	-1.017	1.075	0.91	18.544	201.973	1
47214_7215	47214	7215	21.406	-18.293	0.149	0.538	13.862	883.963	1
47215_7215	47215	7215	-47.437	-1.127	1.087	0.922	26.903	210.328	1
47215_7216	47215	7216	24.917	-13.54	0.237	0.675	17.372	838.041	1
47216_7216	47216	7216	-49.542	-1.274	1.031	0.653	35.269	219.38	1
47216_7217	47216	7217	28.857	-9.238	0.352	-0.164	22.194	762.458	1
47217_7217	47217	7217	-43.155	-7.057	0.387	-0.858	27.468	233.795	1
47217_7218	47217	7218	33.048	-8.726	-0.034	-1.323	24.399	690.705	1
47218_7218	47218	7218	-30.6	-11.647	0.397	-1.124	22.251	306.298	1
47218_7219	47218	7219	36.983	-4.912	0.035	-1.672	27.547	598.838	1
47219_7219	47219	7219	-21.841	-17.149	0.595	2.81	18.011	424.45	1
47219_7220	47219	7220	41.904	-1.029	-0.206	3.164	29.894	464.647	1
47220_7220	47220	7220	-6.084	7.363	0.015	-0.16	42.694	917.235	1
47220_7221	47220	7221	-13.844	-35.7	0.043	-0.288	25.147	556.562	1
47221_7221	47221	7221	-6.27	7.206	0.037	1.369	42.674	824.827	1
47221_7222	47221	7222	-16.047	-29.914	-0.028	0.654	28.038	790.291	1
47222_7222	47222	7222	-6.107	6.67	-0.205	-0.189	43.856	734.824	1
47222_7223	47222	7223	-18.834	-26.27	0.189	-0.751	32.071	1002.544	1
47223_7223	47223	7223	-6.141	6.505	-0.188	0.737	41.309	644.482	1
47223_7224	47223	7224	-20.757	-20.149	0.264	1.115	36.282	1112.633	1
47224_7224	47224	7224	-6.015	5.822	-0.333	-1.038	39.393	568.278	1
47224_7225	47224	7225	-22.006	-22.292	-0.28	-2.671	34.848	1204.588	1
47225_7225	47225	7225	-5.981	5.77	-0.312	0.575	36.714	520.201	1
47225_7226	47225	7226	-23.801	-13.785	-0.153	1.311	33.135	1284.62	1
47226_7226	47226	7226	-5.982	5.511	-0.333	-0.908	32.043	433.869	1
47226_7227	47226	7227	-24.738	-15.11	-0.332	-2.628	29.7	1354.556	1
47227_7227	47227	7227	-5.602	5.496	-0.318	0.374	28.327	369.854	1
47227_7228	47227	7228	-25.189	-8.025	-0.211	1.969	27.123	1355.373	1
47228_7228	47228	7228	-5.603	5.371	-0.335	-0.954	24.639	306.037	1
47228_7229	47228	7229	-25.482	-23.305	-0.12	-3.25	23.908	1375.325	1
47229_7229	47229	7229	-7.857	-4.815	0.04	0.584	18.448	297.862	1
47229_7230	47229	7230	-25.179	-16.65	0.008	2.184	22.895	1316.77	1
47230_7230	47230	7230	-7.859	-5.107	0.182	-1.134	18.917	353.727	1
47230_7231	47230	7231	-24.399	-17.612	0.19	-2.993	23.84	1281.065	1
47231_7231	47231	7231	-8.554	-5.154	0.217	0.559	20.967	416.064	1
47231_7232	47231	7232	-22.98	-11.212	0.321	1.768	26.535	1175.379	1
47232_7232	47232	7232	-8.591	-5.717	-0.021	-1.542	23.588	478.528	1
47232_7233	47232	7233	-22.535	-15.822	-0.536	-3.026	24.611	1155.412	1
47233_7233	47233	7233	-8.558	-5.768	-0.008	-0.894	23.518	496.054	1
47233_7234	47233	7234	-21.481	-12.776	-0.451	-1.439	21.327	1109.982	1
47234_7234	47234	7234	-8.495	-5.86	0.004	-0.41	23.473	530.429	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47234_7235	47234	7235	-19.801	-8.76	-0.334	-0.26	17.936	1015.956	1
47235_7235	47235	7235	-8.431	-5.951	0.018	0.282	23.528	579.571	1
47235_7236	47235	7236	-18.515	-6.315	-0.23	1.005	16.743	938.135	1
47236_7236	47236	7236	-8.438	-6.497	-0.183	-1.217	23.437	616.321	1
47236_7237	47236	7237	-15.563	-4.503	-0.463	-1.209	12.533	795.867	1
47237_7237	47237	7237	-8.73	-6.727	-0.155	0.429	21.25	686.45	1
47237_7238	47237	7238	-13.216	-0.775	-0.486	0.668	7.382	631.697	1
47238_7238	47238	7238	-8.423	-9.329	0.287	-1.531	19.646	750.282	1
47238_7239	47238	7239	-10.298	-7.442	1.041	0.289	16.04	539.647	1
47239_7239	47239	7239	-8.63	-9.402	0.307	0.72	22.247	838.219	1
47239_7240	47239	7240	-8.033	-2.776	0.972	1.609	24.247	388.12	1
47240_7240	47240	7240	-28.758	17.147	-0.57	-1.055	14.484	569.62	1
47240_7241	47240	7241	43.81	-25.665	-0.635	-3.523	29.189	690.173	1
47241_7241	47241	7241	-32.685	14.283	-0.553	0.306	14.342	445.982	1
47241_7242	47241	7242	39.682	-20.842	-0.636	-1.307	20.877	744.393	1
47242_7242	47242	7242	-40.677	10.695	-0.608	0.749	14.611	337.71	1
47242_7243	47242	7243	35.738	-16.052	-0.562	0.045	14.467	755.894	1
47243_7243	47243	7243	-46.032	10.4	-0.622	-0.609	11.804	257.418	1
47243_7244	47243	7244	31.193	-23.403	-0.333	-1.726	10.1	856.081	1
47244_7244	47244	7244	-53.816	1.473	-0.612	-0.495	10.426	208.436	1
47244_7245	47244	7245	27.818	-18.132	-0.404	0.235	4.836	919.418	1
47245_7245	47245	7245	-43.283	-0.54	0.674	0.46	-10.964	205.877	1
47245_7246	47245	7246	24.714	-27.868	0.386	-1.219	6.094	979.165	1
47246_7246	47246	7246	-43.281	-0.54	0.784	0.997	-3.99	211.456	1
47246_7247	47246	7247	26.223	-22.087	0.337	1.044	9.126	984.139	1
47247_7247	47247	7247	-45.353	-0.978	0.99	0.19	2.706	216.455	1
47247_7248	47247	7248	28.764	-20.495	-0.009	-2.051	9.145	977.51	1
47248_7248	47248	7248	-46.203	-1.017	1.182	1.108	11.801	225.975	1
47248_7249	47248	7249	32.686	-14.739	-0.037	1.577	10.008	922.719	1
47249_7249	47249	7249	-50.735	-1.629	1.485	0.101	22.898	237.811	1
47249_7250	47249	7250	37.389	-12.454	0.862	-0.831	20.949	857.848	1
47250_7250	47250	7250	-55.51	-2.651	1.63	0.746	35.113	256.929	1
47250_7251	47250	7251	42.132	-7.852	0.781	1.254	31.257	759.342	1
47251_7251	47251	7251	-39.579	-10.206	-1.171	-2.883	29.167	323.982	1
47251_7252	47251	7252	46.034	-15.972	-0.504	-1.896	29.227	748.324	1
47252_7252	47252	7252	-33.901	-12.221	-0.846	-0.955	15.391	411.281	1
47252_7253	47252	7253	50.574	-10.933	-0.668	0.958	25.077	700.68	1
47253_7253	47253	7253	-4.499	11.906	-2.857	8.255	20.433	981.612	1
47253_7254	47253	7254	-10.505	-22.086	-0.738	1.452	15.497	539.328	1
47254_7254	47254	7254	-4.913	8.696	1.932	-0.462	0.629	894.8	1
47254_7255	47254	7255	-13.054	-28.176	0.838	-0.294	27.786	706.733	1
47255_7255	47255	7255	-5.086	8.593	1.945	0.944	22.956	793.745	1
47255_7256	47255	7256	-14.405	-23.11	0.961	0.653	40.485	798.852	1
47256_7256	47256	7256	-5.261	6.415	0.064	-0.448	42.619	707.324	1
47256_7257	47256	7257	-16.365	-30.061	-0.457	-1.153	39.611	948.869	1
47257_7257	47257	7257	-5.372	6.323	0.076	0.171	43.174	644.688	1
47257_7258	47257	7258	-17.241	-27.005	-0.468	0.269	37.951	1038.066	1
47258_7258	47258	7258	-4.893	6.22	0.081	0.489	44.455	599.843	1
47258_7259	47258	7259	-17.94	-24.684	-0.468	1.071	36.402	1094.733	1
47259_7259	47259	7259	-4.953	5.738	-0.468	-1.241	44.882	568.123	1
47259_7260	47259	7260	-19.094	-24.871	-0.247	-2.887	35.7	1193.368	1
47260_7260	47260	7260	-4.995	5.703	-0.453	0.018	41.238	523.988	1
47260_7261	47260	7261	-20.331	-20.498	-0.198	0.287	34.816	1278.411	1
47261_7261	47261	7261	-4.995	5.703	-0.447	0.556	37.306	474.487	1
47261_7262	47261	7262	-21.524	-16.098	-0.172	1.614	33.747	1321.3	1
47262_7262	47262	7262	-4.997	5.443	-0.348	-0.744	33.701	428.553	1
47262_7263	47262	7263	-25.284	-30.049	-0.353	-1.838	27.856	1405.976	1
47263_7263	47263	7263	-4.953	5.441	-0.338	0.034	29.693	365.517	1
47263_7264	47263	7264	-26.163	-23.513	-0.305	0.886	22.654	1422.57	1
47264_7264	47264	7264	-4.412	5.261	-0.261	-0.872	26.022	303.202	1
47264_7265	47264	7265	-26.824	-23.967	-0.075	-2.996	19.901	1448.335	1
47265_7265	47265	7265	-11.57	-5.498	-0.008	0.313	15.281	315.959	1
47265_7266	47265	7266	-27.111	-17.75	0.034	1.821	18.428	1400.205	1
47266_7266	47266	7266	-11.846	-5.828	0.061	-1.264	15.132	378.466	1
47266_7267	47266	7267	-26.861	-18.161	-0.123	-2.739	14.992	1365.954	1
47267_7267	47267	7267	-11.845	-5.828	0.097	0.083	15.836	445.323	1
47267_7268	47267	7268	-25.943	-12.254	0.003	1.029	13.357	1266.848	1
47268_7268	47268	7268	-12.118	-6.418	-0.196	-2.339	16.882	513.076	1
47268_7269	47268	7269	-25.507	-15.614	-0.952	-4.494	9.174	1239.922	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47269_7269	47269	7269	-12.06	-6.526	-0.167	-1.172	16.089	539.304	1
47269_7270	47269	7270	-23.885	-10.947	-0.822	-1.771	0.265	1149.547	1
47270_7270	47270	7270	-11.957	-6.714	-0.134	0.197	14.482	603.026	1
47270_7271	47270	7271	-21.694	-6.59	-0.66	0.897	-6.692	1012.605	1
47271_7271	47271	7271	-12.11	-7.472	-0.936	-2.256	12.76	675.304	1
47271_7272	47271	7272	-18.525	-4.527	-1.053	-2.546	-18.118	842.512	1
47272_7272	47272	7272	-11.943	-7.742	-0.884	0.92	1.434	767.042	1
47272_7273	47272	7273	-15.228	-0.097	-0.742	0.887	-23.078	618.191	1
47273_7273	47273	7273	-11.688	-10.941	2.972	-2.956	-10.376	864.391	1
47273_7274	47273	7274	-12.552	-11.229	3.454	-0.696	-0.491	578.289	1
47274_7274	47274	7274	-11.645	-11.161	3.012	-0.883	6.154	925.348	1
47274_7275	47274	7275	-10.461	-7.769	2.808	1	23.553	494.218	1
47275_7275	47275	7275	-36.439	13.603	1.629	3.743	22.041	538.811	1
47275_7276	47275	7276	43.589	-17.385	3.16	3.571	47.606	721.513	1
47276_7276	47276	7276	-38.756	12.327	-1.18	-1.257	33.164	465.118	1
47276_7277	47276	7277	41.553	-25.288	-1.305	-2.255	39.61	758.135	1
47277_7277	47277	7277	-42.226	11.061	-1.217	-0.471	31.123	414.394	1
47277_7278	47277	7278	37.02	-19.555	-1.119	-1.002	21.689	816.828	1
47278_7278	47278	7278	-51.478	8.544	-1.308	0.336	22.526	315.407	1
47278_7279	47278	7279	32.94	-14.059	-0.957	1.131	8.791	813.567	1
47279_7279	47279	7279	-58.84	6.977	-0.292	-0.893	11.912	242.393	1
47279_7280	47279	7280	28.677	-17.199	0.446	-2.269	11.676	865.739	1
47280_7280	47280	7280	-56.994	3.191	-0.067	-0.336	12.107	191.638	1
47280_7281	47280	7281	26.06	-9.486	0.342	1.229	13.238	851.278	1
47281_7281	47281	7281	-44.199	-0.535	0.819	0.04	-20.808	204.03	1
47281_7282	47281	7282	25.384	-9.667	-0.242	-1.193	7.294	840.723	1
47282_7282	47282	7282	-46.807	-0.675	0.977	0.637	-11.473	211.572	1
47282_7283	47282	7283	33.523	-15.396	0.019	0.977	2.492	781.965	1
47283_7283	47283	7283	-50.032	-2.373	0.865	-0.274	-0.906	220.554	1
47283_7284	47283	7284	38.772	-19.089	0.754	-1.499	9.844	798.221	1
47284_7284	47284	7284	-53.916	-3.17	1.122	0.715	7.709	249.476	1
47284_7285	47284	7285	44	-13.553	0.744	1.425	18.174	766.686	1
47285_7285	47285	7285	-46.404	-8.043	0.206	-0.997	13.542	297.85	1
47285_7286	47285	7286	48.51	-18.016	-0.474	-1.464	16.155	778.767	1
47286_7286	47286	7286	-40.066	-9.655	0.227	-0.351	12.228	370.773	1
47286_7287	47286	7287	52.303	-14.003	-0.589	-0.273	12.986	763.52	1
47287_7287	47287	7287	-32.951	-12.028	0.254	0.702	9.985	451.743	1
47287_7288	47287	7288	56.253	-10.112	-0.737	1.191	7.954	726.322	1
47288_7288	47288	7288	-1.463	9.512	0.29	-0.633	13.317	1040.475	1
47288_7289	47288	7289	-5.641	-28.275	0.622	-0.481	11.002	723	1
47289_7289	47289	7289	-1.583	9.455	0.295	2.163	16.933	919.871	1
47289_7290	47289	7290	-5.294	-22.658	0.663	1.547	19.676	860.472	1
47290_7290	47290	7290	-1.836	7.176	0.164	-0.711	20.592	816.384	1
47290_7291	47290	7291	-5.282	-26.287	0.01	-1.024	20.882	976.336	1
47291_7291	47291	7291	-1.962	7.142	0.166	-0.411	21.762	763.474	1
47291_7292	47291	7292	-4.953	-21.61	0.072	-0.723	22.842	1080.394	1
47292_7292	47292	7292	-2.062	7.096	0.175	2.135	23.203	700.87	1
47292_7293	47292	7293	-4.694	-19.338	0.107	3.268	23.863	1114.293	1
47293_7293	47293	7293	-2.088	4.835	-0.181	-1.24	24.235	670.977	1
47293_7294	47293	7294	-5.047	-41.625	-0.375	-2.444	24.087	1246.165	1
47294_7294	47294	7294	-2.106	4.827	-0.177	-0.151	22.94	636.467	1
47294_7295	47294	7295	-4.921	-36.704	-0.338	-0.403	21.171	1372.165	1
47295_7295	47295	7295	-2.069	4.802	-0.172	1.166	21.516	595.555	1
47295_7296	47295	7296	-4.925	-32.743	-0.289	2.327	19.233	1450.446	1
47296_7296	47296	7296	-2.07	4.19	-0.204	-0.854	20.299	561.752	1
47296_7297	47296	7297	-4.913	-34.391	-0.265	-2.36	16.715	1597.006	1
47297_7297	47297	7297	-2.071	4.19	-0.198	0.504	18.064	515.722	1
47297_7298	47297	7298	-4.891	-28.104	-0.273	1.515	13.504	1670.156	1
47298_7298	47298	7298	-1.96	3.642	-0.204	-1.055	16.002	468.336	1
47298_7299	47298	7299	-4.865	-31.277	-0.184	-3.777	10.966	1772.782	1
47299_7299	47299	7299	-1.961	3.642	-0.197	0.505	13.711	427.439	1
47299_7300	47299	7300	-4.833	-24.571	-0.161	2.207	8.332	1799.116	1
47300_7300	47300	7300	-1.962	3.282	-0.203	-0.823	11.231	381.57	1
47300_7301	47300	7301	-4.866	-13.066	-0.248	-3.377	5.807	1864.533	1
47301_7301	47301	7301	-1.962	3.282	-0.196	0.286	8.76	341.574	1
47301_7302	47301	7302	-4.837	-6.801	-0.224	2.54	2.811	1855.461	1
47302_7302	47302	7302	-1.891	3.075	-0.178	-0.795	6.533	303.467	1
47302_7303	47302	7303	-4.792	-10.471	-0.14	-3.738	0.681	1889.741	1
47303_7303	47303	7303	-1.892	3.075	-0.171	0.191	4.263	264.159	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47303_7304	47303	7304	-4.731	-4.53	-0.111	3.147	-0.748	1841.706	1
47304_7304	47304	7304	-1.891	2.922	-0.098	-0.724	2.379	230.207	1
47304_7305	47304	7305	-4.625	-8.68	-0.064	-3.747	-1.553	1834.179	1
47305_7305	47305	7305	-1.891	2.922	-0.091	-0.027	1.249	196.449	1
47305_7306	47305	7306	-4.442	-1.79	-0.036	2.598	-1.923	1728.019	1
47306_7306	47306	7306	-1.795	2.757	0.022	-0.644	0.175	160.677	1
47306_7307	47306	7307	-4.158	-4.088	0.046	-3.563	-1.113	1632.586	1
47307_7307	47307	7307	-1.783	2.756	0.029	-0.133	0.437	127.916	1
47307_7308	47307	7308	-3.729	3.59	0.056	2.669	-0.248	1410.816	1
47308_7308	47308	7308	-1.732	2.837	-1.182	-0.513	0.771	95.043	1
47308_7309	47308	7309	-3.473	10.086	-0.26	-2.682	-3.327	1122.956	1
47309_7309	47309	7309	-1.616	2.823	-1.122	-0.258	-12.796	61.07	1
47309_7310	47309	7310	-2.753	18.987	-0.193	1.692	-4.884	693.786	1
47310_7310	47310	7310	-0.867	2.339	1.382	-0.297	-18.48	28.353	1
47310_7311	47310	7311	2.331	-2.544	-2.461	0.049	0	10.275	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
7000_7000	7000	7000	-0.784	-3.017	0.116	0.08	0	-2.865	1
7000_7001	7000	7001	-2.194	3.19	-0.162	-0.093	-1.704	-18.646	1
7001_7001	7001	7001	-42.225	15.941	-0.059	-0.042	-0.623	-324.34	1
7001_7002	7001	7002	-4.637	3.212	-0.158	-0.092	-3.141	-37.379	1
7002_7002	7002	7002	-68.566	12.906	0.052	0.01	-1.574	-525.101	1
7002_7003	7002	7003	-7.946	3.344	0.049	-0.107	-2.53	-62.529	1
7003_7003	7003	7003	-94.872	0.333	0.058	-0.136	-1.081	-724.99	1
7003_7004	7003	7004	-11.267	3.344	0.049	-0.12	-1.942	-87.702	1
7004_7004	7004	7004	-109.58	1.016	-0.003	0.115	-0.509	-837.248	1
7004_7005	7004	7005	-14.543	3.299	-0.012	-0.078	-2.083	-112.518	1
7005_7005	7005	7005	-122.461	-6.118	-0.002	-0.246	-0.691	-935.348	1
7005_7006	7005	7006	-17.819	3.299	-0.012	-0.122	-2.226	-137.347	1
7006_7006	7006	7006	-126.549	-2.399	-0.014	0.115	-0.866	-966.581	1
7006_7007	7006	7007	-21.132	3.358	-0.035	-0.059	-2.641	-162.597	1
7007_7007	7007	7007	-133.369	-8.963	-0.015	-0.28	-1.21	-1018.36	1
7007_7008	7007	7008	-24.457	3.359	-0.035	-0.122	-3.059	-187.881	1
7008_7008	7008	7008	-132.945	-4.572	-0.034	0.124	-1.586	-1015.139	1
7008_7009	7008	7009	-27.843	3.412	-0.038	-0.031	-3.524	-213.545	1
7009_7009	7009	7009	-136.336	-11.03	-0.035	-0.278	-2.199	-1040.786	1
7009_7010	7009	7010	-31.231	3.412	-0.039	-0.114	-3.991	-239.223	1
7010_7010	7010	7010	-132.866	-6.838	-0.028	0.123	-2.806	-1014.405	1
7010_7011	7010	7011	-34.709	3.502	-0.038	-0.002	-4.448	-265.58	1
7011_7011	7011	7011	-133.104	-26.557	-0.028	-0.234	-2.961	-1016.282	1
7011_7012	7011	7012	-38.186	3.502	-0.038	-0.099	-4.907	-291.928	1
7012_7012	7012	7012	-127.278	-22.963	-0.058	0.136	-3.485	-972.046	1
7012_7013	7012	7013	-41.841	3.681	-0.038	0.039	-5.373	-319.626	1
7013_7013	7013	7013	-124.783	-29.363	-0.058	-0.209	-4.349	-953.04	1
7013_7014	7013	7014	-45.498	3.681	-0.039	-0.085	-5.84	-347.338	1
7014_7014	7014	7014	-115.205	-27.906	-0.039	0.048	-5.117	-880.348	1
7014_7015	7014	7015	-50.509	3.87	-0.042	0.025	-6.48	-385.391	1
7015_7015	7015	7015	-113.215	-35.613	-0.033	-0.035	-3.993	-814.435	1
7015_7016	7015	7016	-56.571	3.708	-0.029	0.005	-4.666	-416.083	1
7016_7016	7016	7016	-99.232	-32.717	0.004	0.076	-4.254	-738.413	1
7016_7017	7016	7017	-55.849	4.249	-0.015	0.069	-4.799	-456.643	1
7017_7017	7017	7017	-78.407	-26.396	0.011	0.017	-3.665	-662.387	1
7017_7018	7017	7018	-50.503	4.207	-0.015	0.068	-4.97	-511.435	1
7018_7018	7018	7018	-49.158	-29.631	-0.007	0.093	-3.224	-522.946	1
7018_7019	7018	7019	-44.434	4.631	-0.003	0.162	-5.01	-568.991	1
7019_7019	7019	7019	-25.12	-35.622	0.004	0.046	-2.901	-369.617	1
7019_7020	7019	7020	-38.035	4.823	-0.003	0.095	-4.979	-630.495	1
7020_7020	7020	7020	-68.256	-0.901	0.016	0.064	-4.069	-264.558	1
7020_7021	7020	7021	-23.606	-14.94	0.085	0.05	-2.487	-255.446	1
7021_7021	7021	7021	-74.215	-4.556	0.004	0.028	-2.69	-329.823	1
7021_7022	7021	7022	-11.163	-10.243	0.07	0.019	-2.165	-181.823	1
7022_7022	7022	7022	-78.267	-8.219	-0.001	-0.016	-2.378	-377.451	1
7022_7023	7022	7023	6.32	-2.059	0.078	0.018	-3.976	-146.187	1
7023_7023	7023	7023	-80.451	-8.309	0.037	0.052	-2.156	-414.086	1
7023_7024	7023	7024	6.682	-1.789	0.096	0.061	-3.22	-137.147	1
7024_7024	7024	7024	-83.532	-12.421	0.033	0.005	-1.656	-455.43	1
7024_7025	7024	7025	6.992	-1.726	0.091	0.046	-2.493	-128.455	1
7025_7025	7025	7025	-84.311	-16.984	0.026	0.002	-1.227	-478.981	1
7025_7026	7025	7026	7.879	-1.706	0.091	0.046	-1.768	-119.865	1
7026_7026	7026	7026	-83.11	-15.038	0.028	0.047	-0.891	-484.779	1
7026_7027	7026	7027	7.787	-1.304	0.094	0.063	-1.21	-114.953	1
7027_7027	7027	7027	-84.342	-18.517	0.021	0.055	-0.659	-500.941	1
7027_7028	7027	7028	8.518	-1.304	0.095	0.065	-0.643	-110.057	1
7028_7028	7028	7028	-84.405	-22.257	0.016	-0.032	-0.509	-506.763	1
7028_7029	7028	7029	9.25	-1.304	0.088	0.046	-0.113	-105.156	1
7029_7029	7029	7029	-82.534	-26.115	0.008	-0.033	-0.435	-497.761	1
7029_7030	7029	7030	9.982	-1.304	0.088	0.046	0.417	-100.253	1
7030_7030	7030	7030	-81.287	-12.079	-0.017	0.006	-0.657	-478.986	1
7030_7031	7030	7031	10.483	-0.67	0.085	0.059	1.093	-96.899	1
7031_7031	7031	7031	-81.73	-17.029	-0.024	-0.003	-0.905	-471.221	1
7031_7032	7031	7032	19.538	1.986	-0.088	-0.049	-1.937	-103.355	1
7032_7032	7032	7032	-80.068	-21.597	-0.029	-0.059	-1.253	-445.711	1
7032_7033	7032	7033	5.902	7.83	-0.062	-0.044	-1.59	-124.517	1
7033_7033	7033	7033	-76.045	-21.677	0.007	-0.03	-1.675	-402.525	1
7033_7034	7033	7034	-10.076	12.077	-0.071	-0.015	-1.533	-171.776	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7034_7034	7034	7034	-72.919	-25.768	-0.007	0.009	-1.875	-364.246	1
7034_7035	7034	7035	-24.95	16.864	-0.064	0.012	-1.516	-239.769	1
7035_7035	7035	7035	-66.872	-29.557	-0.015	-0.071	-2.938	-319.269	1
7035_7036	7035	7036	-42.199	23.634	-0.079	-0.05	-1.91	-371.766	1
7036_7036	7036	7036	-13.635	-3.723	0.008	0.056	-0.343	-162.962	1
7036_7037	7036	7037	-30.427	-6.489	-0.009	-0.123	-3.142	-505.547	1
7037_7037	7037	7037	-18.201	-0.147	-0.009	-0.062	-2.043	-329.2	1
7037_7038	7037	7038	-34.419	-6.098	-0.01	-0.104	-3.261	-438.163	1
7038_7038	7038	7038	-36.457	-2.673	-0.015	-0.018	-2.344	-464.699	1
7038_7039	7038	7039	-37.046	-5.235	0.009	-0.048	-3.135	-379.113	1
7039_7039	7039	7039	-59.712	-9.001	-0.023	-0.102	-2.778	-577.262	1
7039_7040	7039	7040	-36.698	-5.014	0.007	-0.078	-3.064	-331.523	1
7040_7040	7040	7040	-73.593	-8.341	0.014	0.051	-3.204	-630.312	1
7040_7041	7040	7041	-34.461	-4.341	0.011	0.01	-2.976	-306.919	1
7041_7041	7041	7041	-92.502	-13.306	0.003	-0.043	-1.507	-628.877	1
7041_7042	7041	7042	-32.8	-4.27	0.004	-0.024	-1.349	-243.849	1
7042_7042	7042	7042	-98.126	-11.548	0.013	0.039	-1.563	-664.41	1
7042_7043	7042	7043	-28.294	-3.808	0.009	0.015	-1.247	-166.568	1
7043_7043	7043	7043	-106.121	-17.952	0.01	-0.059	-1.464	-711.229	1
7043_7044	7043	7044	-23.788	-3.808	0.007	-0.016	-1.159	-189.287	1
7044_7044	7044	7044	-107.49	-14.416	0.004	0.023	-1.39	-716.13	1
7044_7045	7044	7045	-19.485	-3.633	0.006	0.015	-1.092	-163.234	1
7045_7045	7045	7045	-113.463	-21.04	0.003	-0.025	-1.373	-748.616	1
7045_7046	7045	7046	-21.682	3.905	-0.009	-0.026	-1.128	-147.204	1
7046_7046	7046	7046	-112.262	-5.357	-0.003	0.05	-1.374	-733.888	1
7046_7047	7046	7047	-26.346	3.939	-0.01	-0.002	-1.243	-175.445	1
7047_7047	7047	7047	-115.222	-12.487	-0.006	-0.059	-1.402	-751.467	1
7047_7048	7047	7048	-31.009	3.939	-0.01	-0.027	-1.363	-203.68	1
7048_7048	7048	7048	-110.078	-8.531	-0.009	0.031	-1.452	-720.62	1
7048_7049	7048	7049	-35.763	4.016	-0.01	0.005	-1.484	-232.464	1
7049_7049	7049	7049	-109.287	-15.684	-0.012	-0.023	-1.54	-716.351	1
7049_7050	7049	7050	-40.516	4.016	-0.01	-0.012	-1.607	-261.243	1
7050_7050	7050	7050	-101.666	-12.43	-0.005	0.037	-1.63	-669.632	1
7050_7051	7050	7051	-46.878	4.283	-0.011	0.021	-1.773	-300.881	1
7051_7051	7051	7051	-91.151	-21.483	-0.011	-0.053	-1.933	-658.186	1
7051_7052	7051	7052	-46.779	4.207	-0.014	-0.007	-2.186	-335.663	1
7052_7052	7052	7052	-81.618	-18.538	0.015	0.086	-1.974	-610.044	1
7052_7053	7052	7053	-47.328	4.565	-0.004	0.07	-2.227	-376.563	1
7053_7053	7053	7053	-59.617	-25.185	0.018	0.003	-2.337	-597.064	1
7053_7054	7053	7054	-39.647	4.755	-0.006	0.064	-3.101	-454.596	1
7054_7054	7054	7054	-37.143	-28.601	-0.009	0.092	-1.949	-481.134	1
7054_7055	7054	7055	-35.075	5.146	-0.011	0.159	-3.208	-513.393	1
7055_7055	7055	7055	-17.993	-34.851	-0.001	0.065	-1.812	-345.02	1
7055_7056	7055	7056	-29.99	5.396	-0.011	0.137	-3.324	-576.728	1
7056_7056	7056	7056	-63.949	-0.96	0.014	0.121	-2.721	-269.85	1
7056_7057	7056	7057	-17.063	-14.23	0.068	0.084	-1.803	-232.239	1
7057_7057	7057	7057	-70.681	-4.808	0.006	0.055	-2.014	-350.009	1
7057_7058	7057	7058	-2.238	-8.948	0.062	0.054	-1.85	-171.668	1
7058_7058	7058	7058	-75.424	-8.618	0.001	-0.04	-1.755	-406.718	1
7058_7059	7058	7059	7.952	-2.105	0.064	0.056	-3.01	-152.682	1
7059_7059	7059	7059	-78.107	-8.671	0.027	0.158	-1.591	-449.037	1
7059_7060	7059	7060	8.343	-1.881	0.077	0.16	-2.393	-142.671	1
7060_7060	7060	7060	-81.52	-12.839	0.025	0.044	-1.229	-495.535	1
7060_7061	7060	7061	9.059	-1.847	0.073	0.123	-1.813	-132.921	1
7061_7061	7061	7061	-82.686	-17.462	0.022	-0.078	-0.911	-522.638	1
7061_7062	7061	7062	9.348	-1.799	0.068	0.091	-1.273	-123.378	1
7062_7062	7062	7062	-81.874	-15.331	0.02	0.149	-0.649	-530.129	1
7062_7063	7062	7063	10.107	-1.465	0.075	0.158	-0.823	-117.612	1
7063_7063	7063	7063	-83.254	-18.81	0.017	-0.014	-0.491	-548.384	1
7063_7064	7063	7064	9.975	1.178	-0.071	-0.14	-0.056	-117.826	1
7064_7064	7064	7064	-83.328	-11.853	-0.011	-0.051	-0.342	-555.754	1
7064_7065	7064	7065	9.366	1.178	-0.07	-0.138	-0.478	-122.453	1
7065_7065	7065	7065	-82.893	-15.576	-0.017	-0.069	-0.428	-547.979	1
7065_7066	7065	7066	9.902	1.191	-0.072	-0.142	-0.891	-127.11	1
7066_7066	7066	7066	-81.337	-11.913	-0.018	-0.026	-0.577	-529.195	1
7066_7067	7066	7067	9.319	1.653	-0.07	-0.126	-1.446	-135.717	1
7067_7067	7067	7067	-81.921	-16.9	-0.023	-0.039	-0.818	-521.115	1
7067_7068	7067	7068	9.569	1.717	-0.071	-0.128	-2.002	-144.405	1
7068_7068	7068	7068	-80.552	-21.511	-0.027	-0.059	-1.124	-493.684	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7068_7069	7068	7069	8.526	1.733	-0.071	-0.13	-2.571	-153.436	1
7069_7069	7069	7069	-76.964	-21.483	0.007	0.014	-1.49	-447.123	1
7069_7070	7069	7070	-4.085	10.245	-0.061	-0.023	-1.405	-175.416	1
7070_7070	7070	7070	-74.191	-25.67	0	-0.081	-1.643	-405.392	1
7070_7071	7070	7071	-17.253	14.306	-0.061	-0.05	-1.423	-236.641	1
7071_7071	7071	7071	-69.213	-29.476	-0.009	-0.09	-2.222	-349.539	1
7071_7072	7071	7072	-35.044	21.782	-0.065	-0.037	-1.52	-351.5	1
7072_7072	7072	7072	-13.66	-0.484	0.012	-0.08	-1.568	-174.804	1
7072_7073	7072	7073	-34.111	-5.317	0.009	-0.165	-2.825	-525.273	1
7073_7073	7073	7073	-19.896	-0.169	-0.001	-0.076	-1.72	-349.211	1
7073_7074	7073	7074	-39.097	-4.962	0.008	-0.131	-2.773	-466.081	1
7074_7074	7074	7074	-38.069	-2.815	-0.014	-0.027	-1.849	-489.574	1
7074_7075	7074	7075	-42.454	-4.548	0.001	-0.071	-2.753	-411.877	1
7075_7075	7075	7075	-67.356	-9.238	-0.016	-0.08	-1.621	-574.223	1
7075_7076	7075	7076	-47.26	-4.32	0.001	-0.066	-2.037	-347.724	1
7076_7076	7076	7076	-82.545	-8.305	0.014	0.016	-1.903	-627.57	1
7076_7077	7076	7077	-45.302	-3.873	0.009	-0.008	-1.962	-325.894	1
7077_7077	7077	7077	-85.484	-12.86	0.017	-0.071	-2.653	-692.127	1
7077_7078	7077	7078	-36.968	-3.984	0.013	-0.041	-2.638	-295.801	1
7078_7078	7078	7078	-91.914	-11.807	0.016	0.041	-2.564	-738.795	1
7078_7079	7078	7079	-33.265	-3.816	0.016	0.02	-2.464	-268.96	1
7079_7079	7079	7079	-101.536	-6.106	0.015	-0.092	-2.496	-795.644	1
7079_7080	7079	7080	-29.566	-3.816	0.015	-0.02	-2.295	-242.144	1
7080_7080	7080	7080	-103.998	-2.09	0.002	0.05	-2.317	-809.213	1
7080_7081	7080	7081	-25.991	-3.688	0.013	0.038	-2.146	-216.23	1
7081_7081	7081	7081	-110.183	-8.72	-0.001	-0.095	-2.289	-850.919	1
7081_7082	7081	7082	-22.602	-3.685	0.013	0.002	-2.006	-190.307	1
7082_7082	7082	7082	-109.58	-4.267	0.001	0.061	-2.281	-844.805	1
7082_7083	7082	7083	-20.274	3.447	-0.017	-0.023	-1.734	-163.251	1
7083_7083	7083	7083	-113.034	-11.383	-0.002	-0.072	-2.259	-869.674	1
7083_7084	7083	7084	-23.866	3.447	-0.017	-0.047	-1.944	-189.29	1
7084_7084	7084	7084	-109.078	-19.498	-0.004	0.08	-2.275	-841.13	1
7084_7085	7084	7085	-27.265	3.504	-0.017	-0.003	-2.136	-213.924	1
7085_7085	7085	7085	-109.589	-25.88	-0.006	-0.045	-2.337	-844.72	1
7085_7086	7085	7086	-30.659	3.504	-0.017	-0.035	-2.33	-238.534	1
7086_7086	7086	7086	-102.64	-9.929	-0.018	0.14	-2.384	-801.404	1
7086_7087	7086	7087	-33.929	3.629	-0.019	0.043	-2.532	-264.007	1
7087_7087	7087	7087	-100.18	-16.573	-0.02	-0.112	-2.533	-786.603	1
7087_7088	7087	7088	-37.449	3.629	-0.02	-0.041	-2.754	-289.517	1
7088_7088	7088	7088	-92.44	-13.462	-0.012	0.104	-2.671	-731.966	1
7088_7089	7088	7089	-41.872	3.794	-0.017	0.055	-2.977	-321.581	1
7089_7089	7089	7089	-84.843	-21.365	-0.016	-0.099	-2.459	-722.191	1
7089_7090	7089	7090	-42.778	3.718	-0.015	-0.015	-2.806	-359.165	1
7090_7090	7090	7090	-75.417	-18.364	0.015	0.116	-2.511	-666.514	1
7090_7091	7090	7091	-42.601	4.127	-0.007	0.089	-2.864	-397.874	1
7091_7091	7091	7091	-59.191	-25.125	0.015	0.032	-2.794	-615.603	1
7091_7092	7091	7092	-38.139	4.236	-0.009	0.085	-3.7	-452.753	1
7092_7092	7092	7092	-36.171	-28.441	-0.011	0.094	-2.407	-489.681	1
7092_7093	7092	7093	-33.524	4.65	-0.017	0.158	-3.892	-507.373	1
7093_7093	7093	7093	-17.014	-34.877	-0.001	0.066	-2.241	-346.472	1
7093_7094	7093	7094	-28.498	4.86	-0.017	0.139	-4.087	-566.142	1
7094_7094	7094	7094	-62.656	-0.904	0.019	0.108	-3.179	-271.147	1
7094_7095	7094	7095	-16.045	-13.888	0.081	0.074	-2.033	-231.863	1
7095_7095	7095	7095	-67.121	-4.803	0.011	0.066	-2.981	-359.205	1
7095_7096	7095	7096	-1.022	-8.81	0.096	0.063	-2.639	-176.441	1
7096_7096	7096	7096	-71.369	-8.694	0.003	-0.042	-2.589	-417.516	1
7096_7097	7096	7097	8.143	-2.106	0.099	0.059	-4.325	-157.821	1
7097_7097	7097	7097	-73.633	-8.616	0.047	0.167	-2.344	-460.631	1
7097_7098	7097	7098	8.374	-1.854	0.117	0.165	-3.389	-147.512	1
7098_7098	7098	7098	-76.676	-12.859	0.044	0.047	-1.774	-508.935	1
7098_7099	7098	7099	8.787	-1.804	0.111	0.126	-2.507	-137.605	1
7099_7099	7099	7099	-77.6	-17.578	0.04	-0.085	-1.263	-536.824	1
7099_7100	7099	7100	8.961	-1.744	0.104	0.09	-1.68	-128.01	1
7100_7100	7100	7100	-76.659	-15.175	0.036	0.058	-0.833	-543.918	1
7100_7101	7100	7101	9.192	-1.383	0.118	0.135	-0.977	-122.359	1
7101_7101	7101	7101	-77.943	-18.693	0.03	-0.14	-0.581	-563.433	1
7101_7102	7101	7102	11.318	1.466	-0.12	-0.179	-0.56	-121.738	1
7102_7102	7102	7102	-77.838	-11.902	-0.021	0.166	-0.433	-571.766	1
7102_7103	7102	7103	10.969	1.471	-0.105	-0.1	-1.178	-127.721	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7103_7103	7103	7103	-77.435	-15.692	-0.027	-0.044	-0.609	-563.984	1
7103_7104	7103	7104	10.261	1.471	-0.112	-0.141	-1.851	-133.703	1
7104_7104	7104	7104	-75.967	-11.701	-0.033	0.05	-0.87	-544.52	1
7104_7105	7104	7105	9.961	1.843	-0.103	-0.11	-2.663	-143.638	1
7105_7105	7105	7105	-76.683	-16.808	-0.039	-0.087	-1.329	-537.59	1
7105_7106	7105	7106	9.542	1.883	-0.11	-0.146	-3.538	-153.805	1
7106_7106	7106	7106	-75.527	-21.531	-0.046	-0.089	-1.871	-509.739	1
7106_7107	7106	7107	9.663	1.966	-0.111	-0.147	-4.422	-164.256	1
7107_7107	7107	7107	-72.252	-21.359	0.015	-0.026	-2.509	-461.431	1
7107_7108	7107	7108	0.386	8.797	-0.094	-0.047	-2.732	-178.484	1
7108_7108	7108	7108	-69.787	-25.681	0.001	-0.031	-2.744	-418.418	1
7108_7109	7108	7109	-14.074	13.905	-0.09	-0.025	-2.383	-238.465	1
7109_7109	7109	7109	-67.135	-29.51	-0.007	-0.092	-2.843	-351.108	1
7109_7110	7109	7110	-32.332	21.161	-0.077	-0.047	-1.901	-343.952	1
7110_7110	7110	7110	-12.091	-1.232	0.013	-0.054	-1.63	-203.075	1
7110_7111	7110	7111	-33.043	-5.423	0.019	-0.14	-4.043	-527.927	1
7111_7111	7111	7111	-19.49	-0.454	0.002	-0.098	-2.481	-355.354	1
7111_7112	7111	7112	-37.658	-5.135	0.018	-0.165	-3.844	-467.551	1
7112_7112	7112	7112	-36.986	-3.054	-0.004	-0.05	-2.678	-494.702	1
7112_7113	7112	7113	-40.951	-4.682	0.014	-0.096	-3.681	-411.972	1
7113_7113	7113	7113	-59.801	-9.799	-0.007	-0.098	-2.374	-606.672	1
7113_7114	7113	7114	-41.761	-4.554	0.011	-0.079	-2.814	-364.199	1
7114_7114	7114	7114	-72.462	-8.929	0.02	-0.004	-2.605	-656.898	1
7114_7115	7114	7115	-39.759	-4.213	0.017	-0.029	-2.673	-339.544	1
7115_7115	7115	7115	-89.604	-13.411	0.015	-0.024	-2.104	-635.464	1
7115_7116	7115	7116	-38.515	-4.243	0.014	-0.016	-2.026	-270.158	1
7116_7116	7116	7116	-94.018	-11.866	0.02	0.032	-2.011	-664.914	1
7116_7117	7116	7117	-34.307	-4.02	0.016	0.017	-1.845	-243.213	1
7117_7117	7117	7117	-100.99	-18.127	0.02	-0.044	-1.839	-708.264	1
7117_7118	7117	7118	-30.103	-4.02	0.016	-0.01	-1.669	-216.292	1
7118_7118	7118	7118	-102.055	-14.249	0.011	0.008	-1.647	-712.232	1
7118_7119	7118	7119	-26.014	-3.906	0.014	0.018	-1.508	-190.111	1
7119_7119	7119	7119	-107.482	-20.643	0.01	0.004	-1.539	-743.9	1
7119_7120	7119	7120	-21.925	-3.906	0.014	0.018	-1.348	-163.93	1
7120_7120	7120	7120	-106.074	-16.316	0.01	0.081	-1.424	-732.046	1
7120_7121	7120	7121	-17.576	-3.867	0.014	0.044	-1.178	-136.085	1
7121_7121	7121	7121	-109.55	-23.313	0.007	-0.068	-1.309	-752.232	1
7121_7122	7121	7122	-14.352	2.45	-0.006	-0.027	-0.904	-118.441	1
7122_7122	7122	7122	-104.404	-19.389	0.006	0.058	-1.225	-718.599	1
7122_7123	7122	7123	-16.982	2.512	-0.004	-0.001	-0.954	-135.278	1
7123_7123	7123	7123	-104.093	-25.991	0.004	-0.021	-1.164	-717.369	1
7123_7124	7123	7124	-19.545	2.513	-0.005	-0.017	-1.005	-152.118	1
7124_7124	7124	7124	-96.234	-21.945	-0.001	0.088	-1.128	-669.083	1
7124_7125	7124	7125	-22.322	2.653	-0.006	0.019	-1.067	-169.901	1
7125_7125	7125	7125	-91.686	-17.35	-0.005	-0.063	-1.129	-650.787	1
7125_7126	7125	7126	-24.95	2.66	-0.006	-0.019	-1.129	-187.708	1
7126_7126	7126	7126	-82.821	-13.967	-0.006	0.047	-1.163	-595.922	1
7126_7127	7126	7127	-28.599	2.916	-0.005	0.021	-1.191	-211.314	1
7127_7127	7127	7127	-79.015	-21.98	-0.01	-0.023	-1.106	-564.369	1
7127_7128	7127	7128	-31.123	2.878	-0.005	0	-1.107	-230.434	1
7128_7128	7128	7128	-68.855	-18.471	0.003	0.055	-1.173	-513.411	1
7128_7129	7128	7129	-31.66	3.492	-0.007	0.04	-1.173	-260.805	1
7129_7129	7129	7129	-48.18	-25.317	0	-0.016	-1.375	-500.476	1
7129_7130	7129	7130	-25.976	3.751	-0.009	0.024	-1.533	-321.626	1
7130_7130	7130	7130	-27.327	-29.004	0.055	0.058	-1.359	-386.433	1
7130_7131	7130	7131	-44.42	18.161	-0.052	-0.051	0.732	-438.293	1
7131_7131	7131	7131	-9.545	-35.473	0.061	0.045	-0.587	-251.152	1
7131_7132	7131	7132	-51.41	26.334	-0.051	-0.128	0.251	-631.097	1
7132_7132	7132	7132	-56.662	1.021	-0.038	-0.019	-0.439	-192.215	1
7132_7133	7132	7133	-18.922	-15.188	0.065	-0.012	-0.944	-213.932	1
7133_7133	7133	7133	-66.104	-3.311	-0.046	0.015	-0.599	-281.432	1
7133_7134	7133	7134	-8.698	-10.836	0.048	0.015	-0.63	-140.259	1
7134_7134	7134	7134	-72.032	-7.363	-0.059	0.103	-0.873	-341.167	1
7134_7135	7134	7135	12.312	-1.131	0.009	-0.017	1.078	-109.869	1
7135_7135	7135	7135	-75.565	-7.735	0.036	0.062	-1.286	-385.739	1
7135_7136	7135	7136	12.59	-0.376	-0.049	-0.041	0.687	-107.981	1
7136_7136	7136	7136	-79.792	-12.168	0.036	0.001	-0.951	-434.01	1
7136_7137	7136	7137	12.266	-0.356	-0.052	-0.056	0.236	-106.094	1
7137_7137	7137	7137	-81.194	-17.064	0.032	-0.002	-0.632	-461.04	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7137_7138	7137	7138	12.183	-0.342	-0.052	-0.056	-0.192	-104.313	1
7138_7138	7138	7138	-80.152	-14.245	0.012	0.082	-0.356	-467.566	1
7138_7139	7138	7139	12.109	0.134	-0.032	-0.035	-0.382	-104.817	1
7139_7139	7139	7139	-80.033	-8.066	-0.004	-0.028	-0.259	-489.529	1
7139_7140	7139	7140	12.377	0.137	-0.037	-0.056	-0.596	-105.336	1
7140_7140	7140	7140	-81.405	-12.134	-0.008	-0.03	-0.295	-498.501	1
7140_7141	7140	7141	12.301	0.137	-0.037	-0.056	-0.819	-105.855	1
7141_7141	7141	7141	-80.653	-16.08	-0.012	-0.033	-0.376	-491.374	1
7141_7142	7141	7142	12.823	0.146	-0.038	-0.057	-1.037	-106.386	1
7142_7142	7142	7142	-78.536	-11.828	-0.013	0.032	-0.498	-472.768	1
7142_7143	7142	7143	13.14	0.494	-0.034	-0.036	-1.302	-108.749	1
7143_7143	7143	7143	-78.929	-17.11	-0.015	-0.037	-0.686	-467.013	1
7143_7144	7143	7144	13.679	0.545	-0.039	-0.053	-1.606	-111.343	1
7144_7144	7144	7144	-76.879	-22.002	-0.018	-0.038	-0.9	-440.601	1
7144_7145	7144	7145	14.752	0.645	-0.04	-0.053	-1.915	-114.258	1
7145_7145	7145	7145	-72.115	-21.881	0.021	-0.033	-1.149	-393.625	1
7145_7146	7145	7146	-6.06	10.722	-0.041	-0.022	-0.834	-151.835	1
7146_7146	7146	7146	-68.254	-26.334	0.012	0.013	-1.12	-351.567	1
7146_7147	7146	7147	-19.772	15.373	-0.041	0.006	-0.84	-214.862	1
7147_7147	7147	7147	-61.155	-30.446	0.008	-0.044	-1.237	-299.468	1
7147_7148	7147	7148	-37.4	23.286	-0.045	-0.038	-0.896	-341.209	1
7148_7148	7148	7148	-8.398	-1.706	0.007	-0.032	-0.714	-173.378	1
7148_7149	7148	7149	-24.208	-6.588	0.008	-0.087	-1.772	-457.016	1
7149_7149	7149	7149	-12.321	-0.669	-0.003	-0.041	-1.125	-299.634	1
7149_7150	7149	7150	-27.419	-6.103	0.007	-0.074	-1.688	-391.901	1
7150_7150	7150	7150	-28.208	-3.336	-0.009	-0.022	-1.186	-424.676	1
7150_7151	7150	7151	-29.229	-5.38	0.006	-0.045	-1.632	-333.557	1
7151_7151	7151	7151	-54.424	-9.736	-0.012	-0.027	-1.136	-490.417	1
7151_7152	7151	7152	-32.183	-4.948	0.004	-0.023	-1.288	-267.783	1
7152_7152	7152	7152	-66.105	-8.835	0.015	-0.033	-1.324	-526.906	1
7152_7153	7152	7153	-29.517	-4.393	0.01	-0.024	-1.208	-244.3	1
7153_7153	7153	7153	-79.015	-13.291	0.012	0.014	-1.01	-540.672	1
7153_7154	7153	7154	-25.617	-4.338	0.009	0.006	-0.874	-198.036	1
7154_7154	7154	7154	-81.876	-11.994	0.007	0.004	-0.89	-561.618	1
7154_7155	7154	7155	-20.95	-4.102	0.006	0.005	-0.811	-171.582	1
7155_7155	7155	7155	-87.78	-18.296	0.006	0.002	-0.836	-596.482	1
7155_7156	7155	7156	-16.538	-4.094	0.006	0.005	-0.754	-145.153	1
7156_7156	7156	7156	-87.434	-15.203	0.003	-0.011	-0.789	-594.161	1
7156_7157	7156	7157	-12.367	-4.033	0.006	0.006	-0.693	-121.507	1
7157_7157	7157	7157	-90.833	-21.113	0.003	0.024	-0.775	-612.727	1
7157_7158	7157	7158	-8.196	-4.033	0.007	0.014	-0.626	-97.861	1
7158_7158	7158	7158	-88.25	-17.316	0	-0.009	-0.757	-597.272	1
7158_7159	7158	7159	-10.132	3.515	-0.006	-0.011	-0.689	-108.284	1
7159_7159	7159	7159	-90.477	-12.616	-0.001	0.02	-0.778	-610.559	1
7159_7160	7159	7160	-13.65	3.516	-0.005	-0.004	-0.736	-128.894	1
7160_7160	7160	7160	-86.905	-8.567	-0.008	-0.014	-0.787	-591.012	1
7160_7161	7160	7161	-17.796	3.644	-0.007	-0.008	-0.809	-152.397	1
7161_7161	7161	7161	-87.051	-15.419	-0.008	0.018	-0.869	-592.254	1
7161_7162	7161	7162	-21.942	3.644	-0.006	0.002	-0.875	-175.901	1
7162_7162	7162	7162	-80.951	-12.424	-0.007	0.014	-0.942	-556.413	1
7162_7163	7162	7163	-27.564	3.953	-0.007	0.006	-0.977	-207.769	1
7163_7163	7163	7163	-73.897	-20.647	-0.012	-0.017	-1.099	-549.872	1
7163_7164	7163	7164	-28.432	4.026	-0.009	0.001	-1.094	-235.785	1
7164_7164	7164	7164	-65.543	-17.846	0.013	0.024	-1.192	-509.663	1
7164_7165	7164	7165	-30.15	4.715	-0.002	0.019	-1.114	-274.524	1
7165_7165	7165	7165	-48.253	-24.383	0.012	0.033	-1.129	-491.741	1
7165_7166	7165	7166	-26.25	5.147	-0.003	0.044	-1.269	-340.877	1
7166_7166	7166	7166	-26.963	-27.888	-0.003	0.034	-0.936	-390.002	1
7166_7167	7166	7167	-23.425	6.066	-0.005	0.056	-1.319	-402.239	1
7167_7167	7167	7167	-8.999	-34.147	0.003	0.039	-0.872	-268.085	1
7167_7168	7167	7168	-62.564	24.394	0.009	-0.111	1.356	-583.878	1
7168_7168	7168	7168	-55.987	0.294	0.003	0.047	-1.173	-208.19	1
7168_7169	7168	7169	-21.117	-16.119	0.036	0.042	-0.696	-220.704	1
7169_7169	7169	7169	-65.461	-3.549	-0.002	0.004	-0.783	-283.04	1
7169_7170	7169	7170	-8.541	-11.572	0.027	0.004	-0.517	-146.945	1
7170_7170	7170	7170	-72.182	-7.395	-0.007	0.004	-0.72	-338.516	1
7170_7171	7170	7171	4.541	-7.611	0.026	0.01	-0.519	-103.001	1
7171_7171	7171	7171	-76.655	-7.501	0.014	0.005	-0.718	-380.943	1
7171_7172	7171	7172	2.743	-0.861	-0.027	-0.042	0.514	-94.223	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7172_7172	7172	7172	-81.962	-11.764	0.01	0.054	-0.561	-427.53	1
7172_7173	7172	7173	3.418	-0.861	-0.025	-0.029	0.314	-90.034	1
7173_7173	7173	7173	-84.545	-16.498	0.009	-0.011	-0.444	-455.499	1
7173_7174	7173	7174	4.092	-0.861	-0.027	-0.041	0.1	-85.844	1
7174_7174	7174	7174	-84.658	-14.397	0.012	-0.005	-0.349	-464.659	1
7174_7175	7174	7175	4.27	-0.301	-0.029	-0.041	-0.072	-84.743	1
7175_7175	7175	7175	-86.937	-17.973	0.008	0.073	-0.273	-483.239	1
7175_7176	7175	7176	5.797	-0.263	-0.027	-0.027	-0.212	-83.696	1
7176_7176	7176	7176	-87.788	-21.824	0.006	-0.014	-0.235	-491.024	1
7176_7177	7176	7177	11.933	0.091	0.027	0.037	0.024	-83.425	1
7177_7177	7177	7177	-86.431	-25.79	0.003	-0.016	-0.224	-483.621	1
7177_7178	7177	7178	11.879	0.091	0.027	0.037	0.186	-83.758	1
7178_7178	7178	7178	-86.299	-12.105	-0.005	-0.027	-0.369	-465.18	1
7178_7179	7178	7179	11.274	0.774	0.024	0.035	0.38	-87.519	1
7179_7179	7179	7179	-86.752	-17.214	-0.009	0.026	-0.459	-456.427	1
7179_7180	7179	7180	10.915	0.779	0.027	0.046	0.601	-91.299	1
7180_7180	7180	7180	-84.728	-21.938	-0.01	-0.037	-0.587	-428.966	1
7180_7181	7180	7181	1.378	8	-0.018	-0.033	-0.546	-101.355	1
7181_7181	7181	7181	-79.97	-22.115	0.012	-0.017	-0.735	-382.89	1
7181_7182	7181	7182	-10.757	11.627	-0.027	-0.022	-0.535	-145.525	1
7182_7182	7182	7182	-75.963	-26.356	0.008	-0.022	-0.728	-240.642	1
7182_7183	7182	7183	-24.152	16.135	-0.028	-0.019	-0.568	-311.556	1
7183_7183	7183	7183	-69.637	-30.234	0.001	0.008	-0.884	-285.957	1
7183_7184	7183	7184	-43.184	24.216	-0.031	0.004	-0.647	-336.286	1
7184_7184	7184	7184	-14.331	-3.09	0.002	0.019	-0.145	-138.062	1
7184_7185	7184	7185	-50.855	-19.159	0	0.064	1.097	-393.963	1
7185_7185	7185	7185	-15.171	0.394	-0.002	-0.004	-0.833	-257.487	1
7185_7186	7185	7186	-30.959	-4.893	0.004	-0.011	-1.242	-326.622	1
7186_7186	7186	7186	-33.495	-2.321	-0.01	-0.057	-0.886	-385.499	1
7186_7187	7186	7187	-32.884	-4.262	0.003	-0.066	-1.225	-279.896	1
7187_7187	7187	7187	-60.087	-8.509	-0.011	0.009	-0.96	-474.805	1
7187_7188	7187	7188	-33.707	-4.118	0.003	0.001	-1.061	-233.566	1
7188_7188	7188	7188	-74.928	-8.213	0.008	-0.028	-1.131	-525.447	1
7188_7189	7188	7189	-31.568	-3.635	0.006	-0.02	-1.025	-214.344	1
7189_7189	7189	7189	-86.22	-12.688	0.007	0.02	-0.99	-580.917	1
7189_7190	7189	7190	-27.024	-3.679	0.005	0.007	-0.858	-186.857	1
7190_7190	7190	7190	-92.079	-12.053	0.007	0.007	-0.95	-618.562	1
7190_7191	7190	7191	-23.343	-3.416	0.005	0.005	-0.808	-164.048	1
7191_7191	7191	7191	-99.361	-18.167	0.006	0.003	-0.898	-661.998	1
7191_7192	7191	7192	-19.502	-3.416	0.005	0.005	-0.75	-141.263	1
7192_7192	7192	7192	-100.59	-15.638	-0.001	0.008	-0.862	-668.108	1
7192_7193	7192	7193	-16.204	-3.304	0.005	0.011	-0.704	-121.264	1
7193_7193	7193	7193	-104.596	-21.335	-0.002	0.004	-0.89	-690.586	1
7193_7194	7193	7194	-15.338	3.469	-0.008	-0.014	-0.753	-112.697	1
7194_7194	7194	7194	-103.267	-6.492	-0.003	0.026	-0.946	-680.639	1
7194_7195	7194	7195	-18.968	3.555	-0.007	-0.004	-0.824	-134.229	1
7195_7195	7195	7195	-105.5	-12.455	-0.005	-0.025	-0.971	-694.378	1
7195_7196	7195	7196	-22.598	3.555	-0.007	-0.013	-0.898	-155.761	1
7196_7196	7196	7196	-102.11	-9.052	-0.01	0.006	-1.021	-674.733	1
7196_7197	7196	7197	-26.444	3.758	-0.008	-0.001	-0.972	-180.73	1
7197_7197	7197	7197	-101.643	-15.586	-0.011	0.002	-1.117	-672.186	1
7197_7198	7197	7198	-30.67	3.758	-0.008	-0.001	-1.059	-205.794	1
7198_7198	7198	7198	-95.259	-13.229	-0.006	0.021	-1.222	-633.202	1
7198_7199	7198	7199	-36.568	4.2	-0.008	0.011	-1.162	-240.781	1
7199_7199	7199	7199	-88.003	-21.144	-0.009	-0.014	-1.33	-587.411	1
7199_7200	7199	7200	-38.154	4.138	-0.008	0.006	-1.293	-256.644	1
7200_7200	7200	7200	-78.828	-19.321	0.007	0.001	-1.373	-545.406	1
7200_7201	7200	7201	-39.582	4.738	-0.005	0.004	-1.336	-295.611	1
7201_7201	7201	7201	-56.969	-25.604	0.013	0.122	-1.845	-533.743	1
7201_7202	7201	7202	-34.217	4.932	-0.008	0.111	-2.148	-369.381	1
7202_7202	7202	7202	-34.282	-29.115	-0.008	0.037	-1.558	-424.249	1
7202_7203	7202	7203	-31.102	5.651	-0.007	0.043	-2.207	-428.563	1
7203_7203	7203	7203	-15.017	-34.883	0.001	0.106	-1.418	-295.396	1
7203_7204	7203	7204	-58.508	27.569	0.01	-0.132	2.468	-628.073	1
7204_7204	7204	7204	-64.56	-0.832	0.015	0.031	-1.982	-244.231	1
7204_7205	7204	7205	-23.854	-18.198	0.047	0.016	-1.222	-245.437	1
7205_7205	7205	7205	-72.637	-4.407	0.003	0.053	-1.35	-323.93	1
7205_7206	7205	7206	-10.852	-12.985	0.043	0.036	-1.053	-169.939	1
7206_7206	7206	7206	-78.277	-7.933	-0.001	-0.003	-1.172	-378.191	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7206_7207	7206	7207	3.283	-7.911	0.042	0.02	-1.134	-121.145	1
7207_7207	7207	7207	-82.075	-8.262	0.018	0.014	-1.065	-421.176	1
7207_7208	7207	7208	9.266	-0.06	-0.055	-0.063	1.206	-108.194	1
7208_7208	7208	7208	-86.533	-12.225	0.013	0.005	-0.824	-467.534	1
7208_7209	7208	7209	9.312	-0.06	-0.055	-0.063	0.764	-107.892	1
7209_7209	7209	7209	-88.726	-16.616	0.006	0.06	-0.656	-497.157	1
7209_7210	7209	7210	9.358	-0.06	-0.052	-0.048	0.347	-107.592	1
7210_7210	7210	7210	-88.932	-15.317	0.021	0.001	-0.569	-510.103	1
7210_7211	7210	7211	9.032	0.576	-0.062	-0.064	-0.024	-109.743	1
7211_7211	7211	7211	-89.893	-7.58	-0.005	-0.031	-0.386	-531.249	1
7211_7212	7211	7212	8.706	0.576	-0.062	-0.064	-0.396	-111.894	1
7212_7212	7212	7212	-91.599	-11.317	-0.012	0.057	-0.423	-540.354	1
7212_7213	7212	7213	9.555	0.614	-0.058	-0.045	-0.725	-114.115	1
7213_7213	7213	7213	-91.345	-14.955	-0.015	-0.049	-0.529	-534.897	1
7213_7214	7213	7214	9.207	0.614	-0.063	-0.065	-1.102	-116.407	1
7214_7214	7214	7214	-89.846	-12.36	-0.003	-0.027	-0.683	-519.169	1
7214_7215	7214	7215	9.987	1.043	-0.065	-0.057	-1.598	-121.221	1
7215_7215	7215	7215	-89.953	-17.128	-0.009	-0.033	-0.823	-509.467	1
7215_7216	7215	7216	10.454	1.179	-0.065	-0.057	-2.095	-126.438	1
7216_7216	7216	7216	-88.043	-21.528	-0.016	0.023	-1.032	-483	1
7216_7217	7216	7217	5.382	6.69	-0.046	-0.03	-1.632	-134.757	1
7217_7217	7217	7217	-83.801	-22.081	0.008	0.069	-1.318	-439.426	1
7217_7218	7217	7218	-8.451	10.78	-0.024	0.069	-1.322	-176.533	1
7218_7218	7218	7218	-80.041	-25.983	0.002	0.082	-1.449	-398.084	1
7218_7219	7218	7219	-23.543	15.871	-0.023	0.078	-1.07	-241.636	1
7219_7219	7219	7219	-74.187	-29.546	0.019	-0.297	-1.664	-337.033	1
7219_7220	7219	7220	-43.465	23.339	-0.032	-0.194	-0.872	-357.846	1
7220_7220	7220	7220	-6.271	4.085	-0.008	-0.019	-1.156	-171.834	1
7220_7221	7220	7221	-39.575	-6.231	-0.001	-0.039	-2.592	-502.313	1
7221_7221	7221	7221	-22.415	-0.23	-0.005	-0.097	-1.509	-338.949	1
7221_7222	7221	7222	-43.742	-5.955	-0.002	-0.161	-2.645	-436.519	1
7222_7222	7222	7222	-42.143	-2.953	-0.007	0.013	-1.696	-469.541	1
7222_7223	7222	7223	-45.895	-5.583	0.012	-0.02	-2.499	-375.475	1
7223_7223	7223	7223	-72.882	-8.607	-0.009	-0.077	-1.254	-542.907	1
7223_7224	7223	7224	-48.328	-5.48	0.007	-0.052	-1.544	-305.43	1
7224_7224	7224	7224	-89.617	-8.996	0.012	0.106	-1.425	-598.123	1
7224_7225	7224	7225	-45.021	-5.193	0.013	0.045	-1.441	-278.68	1
7225_7225	7225	7225	-94.419	-13.794	0.008	-0.1	-1.438	-684.273	1
7225_7226	7225	7226	-35.109	-5.331	0.013	-0.039	-1.323	-246.476	1
7226_7226	7226	7226	-100.408	-14.005	0.014	0.153	-1.368	-729.879	1
7226_7227	7226	7227	-29.637	-5.079	0.014	0.062	-1.169	-210.123	1
7227_7227	7227	7227	-106.076	-20.043	0.01	-0.143	-1.226	-769.56	1
7227_7228	7227	7228	-23.959	-5.079	0.013	-0.026	-1.017	-173.872	1
7228_7228	7228	7228	-105.883	-18.743	0.008	0.197	-1.12	-770.007	1
7228_7229	7228	7229	-21.914	4.449	0	0.048	-0.762	-169.223	1
7229_7229	7229	7229	-107.49	-12.47	0	-0.183	-0.987	-781.359	1
7229_7230	7229	7230	-26.889	4.449	-0.002	-0.04	-0.781	-200.989	1
7230_7230	7230	7230	-102.438	-11.219	-0.005	0.192	-0.945	-747.978	1
7230_7231	7230	7231	-32.024	4.762	-0.008	0.078	-0.866	-236.376	1
7231_7231	7231	7231	-99.736	-17.73	-0.012	-0.153	-0.984	-727.808	1
7231_7232	7231	7232	-37.562	4.765	-0.009	-0.038	-0.974	-271.888	1
7232_7232	7232	7232	-91.163	-17.804	0.023	0.202	-1.095	-667.72	1
7232_7233	7232	7233	-39.119	5.283	0.001	0.106	-0.971	-281.819	1
7233_7233	7233	7233	-89.185	-19.512	0.032	0.071	-1.594	-658.045	1
7233_7234	7233	7234	-41.455	5.223	0.001	0.048	-1.52	-302.614	1
7234_7234	7234	7234	-84.18	-22.648	0.027	0.017	-1.382	-633.255	1
7234_7235	7234	7235	-43.351	5.114	0	0.032	-1.523	-332.776	1
7235_7235	7235	7235	-72.171	-26.71	0.019	-0.046	-1.165	-583.337	1
7235_7236	7235	7236	-43.622	5.024	-0.001	0.004	-1.531	-354.388	1
7236_7236	7236	7236	-51.134	-26.221	0.037	0.146	-1.7	-598.639	1
7236_7237	7236	7237	-35.17	5.769	0.019	0.171	-2.156	-441.645	1
7237_7237	7237	7237	-35.01	-30.912	0.042	-0.087	-1.293	-512.038	1
7237_7238	7237	7238	-32.907	5.877	0.016	-0.017	-2.018	-489.532	1
7238_7238	7238	7238	-21.583	-23.954	-0.112	-0.03	-0.754	-412.05	1
7238_7239	7238	7239	-31.075	8.436	-0.029	0.229	-2.247	-554.574	1
7239_7239	7239	7239	-13.895	-28.38	-0.109	-0.185	-1.653	-357.03	1
7239_7240	7239	7240	-60.158	23.547	0.083	-0.193	2.911	-707.443	1
7240_7240	7240	7240	-79.467	-6.78	0.075	0.368	-3.789	-388.849	1
7240_7241	7240	7241	-12.832	-13.347	0.068	0.148	-1.463	-280.819	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7241_7241	7241	7241	-82.756	-10.392	0.072	0.122	-2.685	-429.88	1
7241_7242	7241	7242	-0.058	-9.981	0.064	-0.005	-1.344	-209.352	1
7242_7242	7242	7242	-84.068	-14.893	0.066	-0.026	-1.92	-461.46	1
7242_7243	7242	7243	9.703	-8.244	0.064	-0.064	-1.086	-159.631	1
7243_7243	7243	7243	-82.381	-7.898	0.027	0.17	-1.331	-468.46	1
7243_7244	7243	7244	18.597	-1.374	0.068	0.109	-0.959	-129.211	1
7244_7244	7244	7244	-87.309	-12.503	0.037	-0.034	-0.929	-530.697	1
7244_7245	7244	7245	11.952	0.122	-0.023	-0.106	1.008	-127.661	1
7245_7245	7245	7245	-90.044	-14.684	-0.02	0.123	-0.445	-569.837	1
7245_7246	7245	7246	11.525	0.504	-0.062	-0.051	0.367	-131.086	1
7246_7246	7246	7246	-92.747	-8.336	-0.03	-0.14	-0.56	-606.998	1
7246_7247	7246	7247	12.472	0.586	-0.073	-0.11	-0.249	-134.214	1
7247_7247	7247	7247	-94.109	-9.824	0.009	0.21	-0.839	-609.959	1
7247_7248	7247	7248	12.286	0.949	-0.091	-0.021	-1.085	-140.086	1
7248_7248	7248	7248	-95.245	-15.217	0.012	-0.213	-0.841	-605.972	1
7248_7249	7248	7249	14.292	1.297	-0.112	-0.12	-2.106	-147.451	1
7249_7249	7249	7249	-93.471	-17.739	-0.071	0.078	-0.92	-571.935	1
7249_7250	7249	7250	15.901	2.474	-0.136	-0.007	-3.23	-159.274	1
7250_7250	7250	7250	-91.47	-22.721	-0.07	-0.161	-1.927	-531.792	1
7250_7251	7250	7251	0.338	10.452	-0.109	-0.054	-2.683	-200.9	1
7251_7251	7251	7251	-86.842	-15.35	0.047	0.175	-2.875	-470.659	1
7251_7252	7251	7252	-10.195	11.405	0.091	0.297	-1.416	-254.753	1
7252_7252	7252	7252	-89.01	-19.427	0.061	-0.141	-2.534	-461.417	1
7252_7253	7252	7253	-24.837	14.747	0.051	0.074	-0.239	-335.341	1
7253_7253	7253	7253	-15.106	-10.428	0.063	-0.176	-1.656	-320.802	1
7253_7254	7253	7254	-36.866	-10.592	0.249	-0.99	0.043	-584.891	1
7254_7254	7254	7254	-18.318	-2.498	-0.06	-0.01	-1.356	-352.419	1
7254_7255	7254	7255	-39.58	-7.487	-0.168	0.013	-2.003	-509.725	1
7255_7255	7255	7255	-31.227	-7.374	-0.075	-0.135	-2.398	-453.852	1
7255_7256	7255	7256	-41.083	-7.411	-0.169	-0.173	-3.69	-447.631	1
7256_7256	7256	7256	-41.482	-2.044	0.035	0.052	-3.515	-505.478	1
7256_7257	7256	7257	-42.121	-5.462	-0.006	0	-3.748	-404.512	1
7257_7257	7257	7257	-67.586	-5.184	0.023	-0.045	-2.162	-536.488	1
7257_7258	7257	7258	-48.868	-5.212	-0.004	-0.037	-2.433	-338.787	1
7258_7258	7258	7258	-79.925	-8.282	0.025	-0.072	-2.075	-586.293	1
7258_7259	7258	7259	-47.597	-5.365	-0.004	-0.043	-2.455	-319.6	1
7259_7259	7259	7259	-87.059	-7.31	0.013	0.109	-1.994	-615.827	1
7259_7260	7259	7260	-44.547	-5.139	0.026	0.05	-2.257	-293.747	1
7260_7260	7260	7260	-100.628	-10.857	0.008	-0.023	-1.439	-627.168	1
7260_7261	7260	7261	-41.361	-5.25	0.018	-0.001	-1.504	-249.054	1
7261_7261	7261	7261	-107.614	-15.007	0.007	-0.084	-1.404	-671.026	1
7261_7262	7261	7262	-37.087	-5.25	0.018	-0.027	-1.359	-224.939	1
7262_7262	7262	7262	-110.941	-13.381	0.014	0.076	-1.361	-693.549	1
7262_7263	7262	7263	-31.247	-5.009	0.014	0.036	-1.197	-191.856	1
7263_7263	7263	7263	-116.725	-6.215	0.012	-0.056	-1.123	-737.985	1
7263_7264	7263	7264	-25.749	-4.98	0.014	-0.001	-1.049	-159.137	1
7264_7264	7264	7264	-117.789	-5.588	0.004	0.138	-0.913	-746.743	1
7264_7265	7264	7265	-22.955	5.061	0.002	0.041	-0.616	-165.844	1
7265_7265	7265	7265	-119.809	-11.813	-0.001	-0.11	-0.802	-760.219	1
7265_7266	7265	7266	-28.612	5.075	0	-0.015	-0.61	-198.628	1
7266_7266	7266	7266	-115.188	-11.325	0.007	0.125	-0.743	-735.053	1
7266_7267	7266	7267	-34.836	5.365	-0.002	0.061	-0.639	-233.745	1
7267_7267	7267	7267	-112.125	-17.159	0.002	-0.067	-0.605	-716.978	1
7267_7268	7267	7268	-40.985	5.385	-0.004	-0.004	-0.681	-269.269	1
7268_7268	7268	7268	-103.414	-17.562	0.039	0.212	-0.539	-665.028	1
7268_7269	7268	7269	-43.373	5.908	0.008	0.113	-0.649	-282.768	1
7269_7269	7269	7269	-94.167	-19.735	0.048	0.101	-0.495	-709.486	1
7269_7270	7269	7270	-44.425	5.881	0.009	0.076	-0.783	-346.123	1
7270_7270	7270	7270	-83.431	-24.443	0.041	-0.08	-0.018	-659.814	1
7270_7271	7270	7271	-45.597	5.847	0.008	-0.006	-0.696	-389.898	1
7271_7271	7271	7271	-55.747	-25.864	0.106	0.256	0.587	-644.348	1
7271_7272	7271	7272	-37.905	6.575	0.08	0.258	-0.105	-493.027	1
7272_7272	7272	7272	-35.837	-30.811	0.083	-0.187	1.53	-541.543	1
7272_7273	7272	7273	-34.182	6.862	0.076	-0.124	0.857	-565.497	1
7273_7273	7273	7273	-18.156	-22.243	-0.334	0.071	1.99	-404.644	1
7273_7274	7273	7274	-33.295	9.912	-0.255	0.363	-0.504	-610.432	1
7274_7274	7274	7274	-14.087	-24.582	-0.298	-0.081	0.03	-381.486	1
7274_7275	7274	7275	-31.262	10.125	-0.258	0.162	-2.592	-677.374	1
7275_7275	7275	7275	-87.186	-15.417	-0.289	-0.483	-2.762	-452.397	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7275_7276	7275	7276	-11.346	-12.106	-0.149	-0.419	-2.835	-290.474	1
7276_7276	7276	7276	-85.26	-8.793	0.119	0.237	-4.07	-450.866	1
7276_7277	7276	7277	-5.41	-10.319	0.11	0.148	-2.661	-261.807	1
7277_7277	7277	7277	-87.088	-10.723	0.105	0.081	-3.034	-464.919	1
7277_7278	7277	7278	6.476	-7.958	0.112	0.058	-1.726	-192.249	1
7278_7278	7278	7278	-88.633	-16.061	0.094	-0.136	-1.661	-497.88	1
7278_7279	7278	7279	16.923	-6.545	0.111	-0.025	-0.913	-147.723	1
7279_7279	7279	7279	-85.875	-12.196	-0.034	0.197	-0.673	-495.954	1
7279_7280	7279	7280	19.85	-2.972	0.023	0.115	-0.927	-116.807	1
7280_7280	7280	7280	-87.41	-18.256	-0.025	-0.136	-0.894	-527.695	1
7280_7281	7280	7281	11.436	0.037	-0.006	-0.118	1.52	-110.473	1
7281_7281	7281	7281	-73.27	-18.133	0.085	0.17	-3.079	-572.352	1
7281_7282	7281	7282	20.386	0.636	-0.196	-0.007	2.668	-144.545	1
7282_7282	7282	7282	-72.978	-25.571	0.073	-0.22	-1.696	-574.378	1
7282_7283	7282	7283	22.15	0.923	-0.235	-0.117	0.211	-150.671	1
7283_7283	7283	7283	-75.105	-10.403	-0.129	0.236	-0.579	-534.208	1
7283_7284	7283	7284	23.109	2.988	-0.21	0.056	-1.793	-170.441	1
7284_7284	7284	7284	-79.978	-16.692	-0.139	-0.325	-2.289	-545.34	1
7284_7285	7284	7285	14.503	6.952	-0.22	-0.111	-3.149	-203.5	1
7285_7285	7285	7285	-81.739	-13.307	0.101	0.236	-4.227	-523.741	1
7285_7286	7285	7286	5.156	9.099	-0.037	0.183	-2.844	-253.309	1
7286_7286	7286	7286	-85.808	-17.703	0.13	0.025	-3.757	-532.051	1
7286_7287	7286	7287	-5.177	11.335	-0.042	0.058	-2.322	-307.601	1
7287_7287	7287	7287	-87.623	-21.512	0.167	-0.279	-3.078	-529.146	1
7287_7288	7287	7288	-13.799	13.589	-0.053	-0.143	-2.093	-386.876	1
7288_7288	7288	7288	-13.49	-2.339	-0.131	0.022	-0.435	-368.56	1
7288_7289	7288	7289	-33.462	-8.782	-0.068	0.089	-4.069	-669.639	1
7289_7289	7289	7289	-25.101	-7.81	-0.15	-0.397	-2.563	-526.324	1
7289_7290	7289	7290	-34.946	-8.624	-0.068	-0.511	-4.838	-586.602	1
7290_7290	7290	7290	-35.404	-6.164	0.009	0.13	-4.694	-618.401	1
7290_7291	7290	7291	-35.348	-6.584	-0.039	0.105	-5.168	-544.752	1
7291_7291	7291	7291	-44.152	-9.723	-0.003	0.079	-4.938	-696.635	1
7291_7292	7291	7292	-34.658	-6.614	-0.039	0.054	-5.512	-497.385	1
7292_7292	7292	7292	-61.697	-14.104	-0.014	-0.423	-3.635	-708.552	1
7292_7293	7292	7293	-39.404	-6.503	-0.029	-0.268	-3.866	-439.516	1
7293_7293	7293	7293	-64.649	-6.43	0.057	0.237	-3.821	-730.072	1
7293_7294	7293	7294	-37.513	-4.54	0.029	0.145	-3.666	-416.619	1
7294_7294	7294	7294	-72.865	4.581	0.058	0.028	-3.847	-815.72	1
7294_7295	7294	7295	-34.982	-4.541	0.028	0.018	-3.437	-389.479	1
7295_7295	7295	7295	-68.761	-0.091	0.08	-0.544	-5.179	-964.773	1
7295_7296	7295	7296	-28.077	-4.578	0.042	-0.239	-4.966	-394.546	1
7296_7296	7296	7296	-72.83	3.595	0.059	0.454	-4.705	-1018.939	1
7296_7297	7296	7297	-25.65	-3.994	0.05	0.175	-4.419	-362.259	1
7297_7297	7297	7297	-80.57	-2.296	0.062	-0.379	-4.089	-1121.787	1
7297_7298	7297	7298	-23.23	-3.951	0.049	-0.103	-3.914	-328.937	1
7298_7298	7298	7298	-84.458	0.616	0.046	0.737	-3.303	-1173.286	1
7298_7299	7298	7299	-21.072	-3.472	0.05	0.216	-3.354	-300.246	1
7299_7299	7299	7299	-89.887	-5.265	0.041	-0.553	-2.683	-1245.258	1
7299_7300	7299	7300	-18.648	-3.472	0.048	-0.104	-2.747	-267.995	1
7300_7300	7300	7300	-91.309	-1.981	0.058	0.661	-2.038	-1263.874	1
7300_7301	7300	7301	-16.537	-3.129	0.05	0.169	-2.143	-239.931	1
7301_7301	7301	7301	-94.731	-22.623	0.057	-0.549	-1.421	-1309.706	1
7301_7302	7301	7302	-14.578	-3.121	0.048	-0.058	-1.598	-213.142	1
7302_7302	7302	7302	-94.283	-18.842	0.036	0.67	-0.688	-1303.452	1
7302_7303	7302	7303	-12.504	-2.932	0.043	0.163	-1.043	-185.553	1
7303_7303	7303	7303	-96.118	-25.097	0.03	-0.68	-0.166	-1327.412	1
7303_7304	7303	7304	-10.709	-2.932	0.042	-0.039	-0.582	-161.682	1
7304_7304	7304	7304	-93.646	-20.954	0.018	0.685	0.183	-1293.893	1
7304_7305	7304	7305	-8.929	-2.785	0.024	0.149	-0.306	-137.991	1
7305_7305	7305	7305	-93.312	-26.804	0.012	-0.568	0.38	-1288.385	1
7305_7306	7305	7306	-7.112	-2.78	0.022	0.006	-0.043	-112.853	1
7306_7306	7306	7306	-87.853	-24.444	-0.013	0.656	0.47	-1213.89	1
7306_7307	7306	7307	-5.392	-2.627	-0.005	0.132	-0.107	-89.851	1
7307_7307	7307	7307	-83.025	-31.181	-0.015	-0.609	0.272	-1146.779	1
7307_7308	7307	7308	-3.71	-2.621	-0.007	0.027	-0.189	-66.751	1
7308_7308	7308	7308	-71.652	-32.181	0.072	0.505	0.061	-991.17	1
7308_7309	7308	7309	-1.994	-2.691	0.276	0.106	3.13	-42.896	1
7309_7309	7309	7309	-56.639	-44.693	0.06	-0.422	0.814	-788.8	1
7309_7310	7309	7310	-0.815	-2.539	0.196	0.053	4.521	-19.912	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7310_7310	7310	7310	-34.538	-50.686	-0.089	0.035	1.195	-487.39	1
7310_7311	7310	7311	-5.096	16.879	0.335	-0.017	0	-19.861	1
7400_7020	7400	7020	26.014	-16.514	2.998	-0.026	-2.76	-432.816	1
7400_7401	7400	7401	-35.154	-0.784	-0.604	-0.041	20.329	-120.621	1
7401_7401	7401	7401	25.271	-13.779	-0.417	0.646	8.813	-365.565	1
7401_7402	7401	7402	-36.927	-0.659	-1.488	0.514	15.298	-117.954	1
7402_7402	7402	7402	25.594	-13.169	-0.46	-0.165	7.185	-317.486	1
7402_7403	7402	7403	-40.83	-1.299	-1.477	-0.091	-0.09	-101.916	1
7403_7403	7403	7403	23.308	-10.25	-0.063	0.087	1.976	-174.358	1
7403_7404	7403	7404	-45.361	-2.215	-0.027	0.098	0.024	-84.629	1
7404_7404	7404	7404	23.54	-9.705	-0.076	-0.01	1.498	-100.474	1
7404_7405	7404	7405	-50.707	-2.448	-0.005	0.043	0.058	-62.801	1
7405_7405	7405	7405	25.432	-7.362	-0.066	0.04	1.025	-30.835	1
7405_7406	7405	7406	-19.96	6.247	-0.002	0.005	-0.454	-94.863	1
7406_7406	7406	7406	31.266	5.612	-0.927	-0.126	0.452	-16.083	1
7406_7407	7406	7407	-19.521	6.253	-0.003	-0.002	-0.343	-147.105	1
7407_7407	7407	7407	40.028	7.215	-0.95	0.022	-7.883	-70.703	1
7407_7408	7407	7408	-19.751	5.951	-0.034	-0.008	-0.815	-179.847	1
7408_7408	7408	7408	44.141	-1.787	1.807	-0.8	-13.937	-111.383	1
7408_7409	7408	7409	-18.073	9.945	0.07	-0.047	-0.766	-209.876	1
7409_7409	7409	7409	42.348	2.096	1.201	0.732	-8.682	-105.789	1
7409_7410	7409	7410	-18.166	-9.788	0.121	0.053	-0.615	-179.987	1
7410_7410	7410	7410	45.94	-7.091	0.383	-0.093	-4.655	-112.786	1
7410_7411	7410	7411	-19.671	-5.669	0.018	0.021	-0.495	-148.217	1
7411_7411	7411	7411	44.034	-6.035	0.396	-0.062	-2.764	-73.5	1
7411_7412	7411	7412	-21.651	-5.179	0.006	-0.034	-0.278	-97.281	1
7412_7412	7412	7412	38.86	-4.273	0.005	-0.06	0.675	-21.423	1
7412_7413	7412	7413	-49.268	2.309	0.062	-0.067	0.3	-54.027	1
7413_7413	7413	7413	25.978	9.23	0.072	-0.061	1.114	-29	1
7413_7414	7413	7414	-56.309	3.192	0.06	0.034	-0.455	-73.21	1
7414_7414	7414	7414	23.181	9.943	0.089	-0.014	1.562	-96.728	1
7414_7415	7414	7415	-54.036	2.034	0.021	0.102	-0.268	-87.364	1
7415_7415	7415	7415	23.216	12.78	0.449	-0.045	2.387	-168.345	1
7415_7416	7415	7416	-53.532	0.975	-1.893	-0.076	-20.683	-96.774	1
7416_7416	7416	7416	23.519	13.366	0.49	0.018	7.508	-308.036	1
7416_7417	7416	7417	-53.539	-0.295	-1.935	0.491	-27.443	-95.739	1
7417_7417	7417	7417	23.396	15.905	-3.053	0.022	9.635	-354.607	1
7417_7036	7417	7036	-51.435	-0.235	-0.121	-0.05	-28.409	-94.7	1
7420_7056	7420	7056	23.979	-15.023	3.176	-0.011	-4.873	-380.371	1
7420_7421	7420	7421	-30.833	-0.007	-0.708	-0.041	17.118	-83.208	1
7421_7421	7421	7421	24.104	-12.457	-0.436	0.277	7.468	-318.819	1
7421_7422	7421	7422	-31.491	0.01	-1.273	0.322	12.329	-83.137	1
7422_7422	7422	7422	24.396	-11.875	-0.45	-0.056	5.897	-275.378	1
7422_7423	7422	7423	-35.588	-0.513	-1.345	-0.034	-1.369	-76.176	1
7423_7423	7423	7423	23.65	-9	-0.014	0.077	0.9	-145.876	1
7423_7424	7423	7424	-40.718	-1.207	0.06	0.085	-0.645	-66.09	1
7424_7424	7424	7424	23.857	-8.437	-0.03	-0.005	0.781	-80.941	1
7424_7425	7424	7425	-45.811	-1.431	0.091	0.048	0.015	-52.185	1
7425_7425	7425	7425	24.629	-6.277	-0.042	0.034	0.577	-20.174	1
7425_7426	7425	7426	-20.936	5.542	-0.014	0.004	-0.423	-84.296	1
7426_7426	7426	7426	32.06	4.337	-0.082	0.074	0.382	-14.639	1
7426_7427	7426	7427	-20.748	5.132	0.014	0.04	-0.135	-128.173	1
7427_7427	7427	7427	40.375	5.765	0.044	0.03	0.934	-56.457	1
7427_7428	7427	7428	-20.808	4.811	0.004	-0.065	-0.357	-154.895	1
7428_7428	7428	7428	40.641	-2.757	-1.273	-0.205	1.874	-88.878	1
7428_7429	7428	7429	-19.481	9.156	-0.004	-0.06	-0.659	-182.569	1
7429_7429	7429	7429	38.72	2.038	-1.355	0.316	-2.325	-81.006	1
7429_7430	7429	7430	-19.476	-9.075	-0.011	0.052	-0.73	-155.112	1
7430_7430	7430	7430	38.466	-6.064	0.471	0.083	-5.748	-87.479	1
7430_7431	7430	7431	-20.839	-4.708	0.011	0.106	-0.607	-128.404	1
7431_7431	7431	7431	36.78	-5.196	0.428	0.071	-3.224	-54.12	1
7431_7432	7431	7432	-21.653	-4.624	0.007	-0.073	-0.241	-84.553	1
7432_7432	7432	7432	31.625	-3.05	-0.007	-0.055	0.68	-13.355	1
7432_7433	7432	7433	-46.937	3.142	0.066	-0.072	0.244	-52.83	1
7433_7433	7433	7433	24.495	8.375	0.025	-0.007	0.598	-19.862	1
7433_7434	7433	7434	-41.267	2.331	-0.098	-0.059	-0.67	-67.937	1
7434_7434	7434	7434	23.817	8.963	0.015	-0.068	0.794	-80.292	1
7434_7435	7434	7435	-38.122	1.608	-0.077	-0.079	-1.222	-78.986	1
7435_7435	7435	7435	24.025	11.814	0.461	0.105	0.967	-144.918	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7435_7436	7435	7436	-31.898	0.867	1.425	0.055	14.101	-87.215	1
7436_7436	7436	7436	24.296	12.422	0.449	-0.452	6.318	-274.112	1
7436_7437	7436	7437	-29.956	0.239	1.418	-0.398	18.516	-87.678	1
7437_7437	7437	7437	24.17	15.047	-3.089	0.019	8.387	-317.399	1
7437_7072	7437	7072	-30.029	0.202	0.543	0.051	21.447	-88.51	1
7440_7094	7440	7094	26.189	-15.006	3.063	-0.032	-4.176	-368.748	1
7440_7441	7440	7441	-28.829	-0.144	-0.648	-0.044	12.722	-82.741	1
7441_7441	7441	7441	24.187	-12.171	-0.439	0.188	7.055	-307.909	1
7441_7442	7441	7442	-30.008	-0.099	-0.98	0.251	9.25	-82.295	1
7442_7442	7442	7442	24.475	-11.582	-0.445	-0.014	5.505	-265.429	1
7442_7443	7442	7443	-34.585	-0.524	-1.079	0.003	-1.453	-74.565	1
7443_7443	7443	7443	23.724	-8.687	-0.008	0.04	0.554	-139.135	1
7443_7444	7443	7444	-38.162	-1.301	0.086	0.064	-0.56	-64.23	1
7444_7444	7444	7444	23.923	-8.122	-0.002	0.05	0.503	-76.498	1
7444_7445	7444	7445	-43.321	-1.469	0.075	0.092	-0.007	-50.32	1
7445_7445	7445	7445	24.738	-5.989	-0.041	0.043	0.499	-18.015	1
7445_7446	7445	7446	-20.776	5.301	-0.006	0.003	-0.276	-81.397	1
7446_7446	7446	7446	29.632	4.096	-0.163	0.102	0.446	-13.884	1
7446_7447	7446	7447	-20.757	4.859	-0.055	0.093	-0.59	-122.998	1
7447_7447	7447	7447	38.218	5.474	-0.113	0.013	0.032	-53.784	1
7447_7448	7447	7448	-20.858	4.535	-0.031	-0.161	-1	-148.187	1
7448_7448	7448	7448	38.719	-2.641	-1.296	-0.572	0.033	-84.459	1
7448_7449	7448	7449	-19.62	8.889	0.025	-0.138	-1.032	-175.001	1
7449_7449	7449	7449	35.868	1.81	-1.365	0.699	-4.23	-77.052	1
7449_7450	7449	7450	-19.631	-8.846	-0.013	0.136	-1.063	-148.207	1
7450_7450	7450	7450	36.94	-5.834	0.573	0.029	-7.441	-83.134	1
7450_7451	7450	7451	-20.94	-4.441	0.041	-0.03	-0.407	-122.988	1
7451_7451	7451	7451	36.435	-4.529	-0.089	-0.082	1.026	-52.243	1
7451_7452	7451	7452	-21.839	-4.374	-0.025	0.004	-0.205	-81.518	1
7452_7452	7452	7452	30.998	-3.061	0.02	-0.063	0.234	-13.531	1
7452_7453	7452	7453	-45.593	3.042	0.096	-0.089	0.31	-52.391	1
7453_7453	7453	7453	-11.243	1.344	-0.044	-0.035	0.054	-19.124	1
7453_7454	7453	7454	-39.915	2.261	-0.097	-0.084	-0.648	-66.88	1
7454_7454	7454	7454	23.231	8.654	0.007	-0.061	0.528	-76.836	1
7454_7455	7454	7455	-36.693	1.575	-0.087	-0.084	-1.266	-77.519	1
7455_7455	7455	7455	23.396	11.515	0.414	0.05	0.67	-139.228	1
7455_7456	7455	7456	-31.857	0.789	1.073	0.005	10.204	-85.067	1
7456_7456	7456	7456	23.644	12.097	0.41	-0.301	5.391	-265.204	1
7456_7457	7456	7457	-30.233	0.164	1.062	-0.296	13.548	-85.421	1
7457_7457	7457	7457	23.535	14.766	-3.077	0.019	7.322	-307.284	1
7457_7110	7457	7110	-28.891	0.178	0.676	0.048	16.411	-85.892	1
7460_7132	7460	7132	27.967	-16.679	2.182	-0.033	-2.754	-392.705	1
7460_7461	7460	7461	-18.995	-0.365	-0.15	-0.017	8.234	-77.703	1
7461_7461	7461	7461	25.066	-12.415	-0.449	-0.069	6.598	-311.719	1
7461_7462	7461	7462	-53.42	1.674	1.061	-0.29	-9.962	-75.319	1
7462_7462	7462	7462	25.357	-11.81	-0.429	0.056	5.1	-268.414	1
7462_7463	7462	7463	-59.362	0.658	1.047	0.019	1.093	-80.731	1
7463_7463	7463	7463	25.248	-9.046	-0.03	-0.009	0.566	-139.747	1
7463_7464	7463	7464	-60.81	-0.502	-0.081	-0.107	0.529	-76.198	1
7464_7464	7464	7464	25.455	-8.445	0.002	0.089	0.386	-74.549	1
7464_7465	7464	7465	-65.733	-1.642	-0.166	-0.013	-0.648	-63.298	1
7465_7465	7465	7465	-17.552	-1.663	-0.014	-0.015	-0.147	-22.501	1
7465_7466	7465	7466	-18.935	6.327	0.01	-0.014	-0.113	-83.558	1
7466_7466	7466	7466	17.799	4.089	-0.024	-0.071	0.203	-32.393	1
7466_7467	7466	7467	-20.433	5.539	0.015	-0.055	0.032	-132.483	1
7467_7467	7467	7467	23.323	4.981	0.045	-0.019	0.385	-70.976	1
7467_7468	7467	7468	-21.432	5.126	0.009	0.062	0.232	-160.923	1
7468_7468	7468	7468	26.581	-0.426	0.307	-0.179	0.864	-99.167	1
7468_7469	7468	7469	-20.901	9.804	0.1	0.012	0.679	-190.27	1
7469_7469	7469	7469	33.338	0.769	-0.477	0.37	1.114	-110.521	1
7469_7470	7469	7470	-20.855	-9.978	-0.168	0.005	0.356	-162.803	1
7470_7470	7470	7470	33.334	-6.324	0.029	0.058	-0.214	-113.184	1
7470_7471	7470	7471	-22.007	-5.31	-0.026	0.003	0.065	-133.293	1
7471_7471	7471	7471	31.947	-5.557	0.048	0.073	-0.152	-78.242	1
7471_7472	7471	7472	-20.486	-5.619	-0.013	0.021	-0.196	-82.554	1
7472_7472	7472	7472	26.164	-4.239	-0.042	0.061	0.436	-29.975	1
7472_7473	7472	7473	-58.579	2.488	-0.009	0.058	-0.514	-57.736	1
7473_7473	7473	7473	-17.441	0.622	0.031	0.032	-0.149	-22.282	1
7473_7474	7473	7474	-59.165	1.212	0.047	0.098	-0.158	-66	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7474_7474	7474	7474	24.404	9.57	0.004	-0.106	0.574	-84.393	1
7474_7475	7474	7475	-32.264	2.593	-0.034	-0.098	-0.763	-78.427	1
7475_7475	7475	7475	23.905	12.483	0.368	-0.01	0.564	-153.348	1
7475_7476	7475	7476	-29.206	1.823	0.751	-0.011	7.225	-97.682	1
7476_7476	7476	7476	24.232	13.12	0.382	-0.064	4.665	-290.108	1
7476_7477	7476	7477	-28.113	1.198	0.723	-0.159	9.508	-101.775	1
7477_7477	7477	7477	26.605	16.052	-3.078	0.026	7.09	-336.155	1
7477_7148	7477	7148	-27.512	1.182	0.071	0.03	10.071	-106.511	1
7480_7168	7480	7168	28.718	-16.449	2.815	-0.02	-4.451	-413.93	1
7480_7481	7480	7481	-23.966	-0.81	-0.211	-0.027	8.822	-79.863	1
7481_7481	7481	7481	26.2	-13.551	-0.402	-0.5	5.72	-346.676	1
7481_7482	7481	7482	-25.849	-0.732	-0.627	0.004	6.598	-77.271	1
7482_7482	7482	7482	26.519	-12.918	-0.342	0.189	4.536	-299.406	1
7482_7483	7482	7483	-61.449	1.179	0.755	0.04	0.89	-72.921	1
7483_7483	7483	7483	26.318	-9.939	-0.028	0.041	0.791	-158.521	1
7483_7484	7483	7484	-62.681	0.073	-0.088	-0.046	0.171	-72.217	1
7484_7484	7484	7484	26.542	-9.324	-0.027	0.031	0.589	-86.894	1
7484_7485	7484	7485	-67.804	-0.992	-0.084	-0.049	-0.482	-63.01	1
7485_7485	7485	7485	-19.361	-1.393	-0.011	-0.008	-0.126	-26.064	1
7485_7486	7485	7486	-20.355	6.875	0.015	-0.012	-0.059	-87.877	1
7486_7486	7486	7486	25.011	4.549	-0.075	-0.076	0.298	-26.357	1
7486_7487	7486	7487	-22.718	6.068	0.009	-0.06	0.014	-141.15	1
7487_7487	7487	7487	30.586	5.57	-0.002	-0.015	-0.004	-69.112	1
7487_7488	7487	7488	-22.838	5.6	-0.009	0.07	0.02	-172.27	1
7488_7488	7488	7488	33.518	-1.349	0.438	-0.295	0.125	-100.48	1
7488_7489	7488	7489	-22.266	10.6	0.175	-0.037	0.658	-204.242	1
7489_7489	7489	7489	27.678	0.287	-0.568	0.296	1.544	-106.759	1
7489_7490	7489	7490	-22.957	-10.743	-0.184	0.04	0.081	-173.83	1
7490_7490	7490	7490	29.318	-5.705	0.017	0.102	0.096	-108.48	1
7490_7491	7490	7491	-23.593	-5.599	-0.014	0.093	-0.21	-142.693	1
7491_7491	7491	7491	26.262	-4.936	0.013	0.024	0.031	-77.131	1
7491_7492	7491	7492	-22.072	-5.981	0.02	-0.04	-0.09	-88.919	1
7492_7492	7492	7492	19.918	-3.733	-0.03	0.043	0.306	-34.478	1
7492_7493	7492	7493	-66.064	2.53	-0.028	0.055	-0.654	-62.484	1
7493_7493	7493	7493	27.553	9.467	0.007	-0.086	0.471	-18.704	1
7493_7494	7493	7494	-63.983	1.279	0.147	0.005	0.468	-70.022	1
7494_7494	7494	7494	27.326	10.105	0.04	0.02	0.482	-86.973	1
7494_7495	7494	7495	-59.161	0.081	0.066	0.086	0.932	-69.271	1
7495_7495	7495	7495	26.849	13.056	0.276	-0.011	0.798	-159.788	1
7495_7496	7495	7496	-23.528	1.792	0.554	-0.008	5.244	-82.739	1
7496_7496	7496	7496	27.247	13.765	0.291	-0.044	3.897	-302.748	1
7496_7497	7496	7497	-23.562	1.227	0.549	-0.117	7.152	-87.019	1
7497_7497	7497	7497	29.915	16.617	-2.686	0.031	5.896	-350.896	1
7497_7184	7497	7184	-21.668	1.31	0.391	0.024	8.487	-92.368	1
7500_7204	7500	7204	27.452	-16.534	2.517	-0.034	-5.581	-435.09	1
7500_7501	7500	7501	-57.197	1.078	-0.257	0.041	-13.243	-84.608	1
7501_7501	7501	7501	27.588	-14	-0.207	0.149	4.509	-367.385	1
7501_7502	7501	7502	-57.131	0.955	0.915	-0.215	-9.53	-87.941	1
7502_7502	7502	7502	27.241	-13.315	-0.2	-0.007	3.641	-318.645	1
7502_7503	7502	7503	-65.325	0.045	0.963	-0.004	0.448	-85.664	1
7503_7503	7503	7503	26.772	-10.445	-0.034	0.12	1.382	-173.235	1
7503_7504	7503	7504	-62.284	-1.312	-0.094	-0.019	-0.288	-75.676	1
7504_7504	7504	7504	27.008	-9.82	-0.066	-0.038	1.09	-97.954	1
7504_7505	7504	7505	-67.412	-2.333	0.004	-0.114	-0.406	-57.08	1
7505_7505	7505	7505	27.521	-7.554	-0.041	0.035	0.629	-27.217	1
7505_7506	7505	7506	-22.574	6.415	0	0.013	-0.155	-102.291	1
7506_7506	7506	7506	34.816	4.829	-0.374	0.015	0.783	-14.449	1
7506_7507	7506	7507	-21.743	6.385	-0.04	-0.051	-0.439	-156.812	1
7507_7507	7507	7507	48.133	6.924	-0.193	0.125	-1.346	-63.686	1
7507_7508	7507	7508	-21.944	6.123	-0.072	0.098	-0.901	-190.156	1
7508_7508	7508	7508	47.514	-3.095	-1.276	-0.94	-2.097	-102.467	1
7508_7509	7508	7509	-20.256	10.561	-0.064	-0.158	-1.306	-222.077	1
7509_7509	7509	7509	45.853	2.63	-1.511	1.013	-6.129	-93.605	1
7509_7510	7509	7510	-20.272	-10.634	-0.136	0.159	-1.718	-189.934	1
7510_7510	7510	7510	44.806	-6.947	0.771	0.035	-10.059	-101.83	1
7510_7511	7510	7511	-22.117	-6.105	0.061	0.084	-0.947	-155.726	1
7511_7511	7511	7511	43.378	-5.952	0.733	0.095	-5.805	-63.521	1
7511_7512	7511	7512	-23.375	-5.68	-0.031	-0.061	-0.291	-100.543	1
7512_7512	7512	7512	30.626	-3.846	-0.065	0.06	0.813	-13.445	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7512_7513	7512	7513	-52.879	3.513	0.074	-0.069	0.232	-58.33	1
7513_7513	7513	7513	28.839	10.012	0.018	-0.031	0.779	-30.263	1
7513_7514	7513	7514	-47.032	2.58	-0.018	-0.059	-0.109	-74.992	1
7514_7514	7514	7514	26.533	10.751	0.018	-0.053	0.897	-103.193	1
7514_7515	7514	7515	-43.594	1.787	-0.018	-0.059	-0.261	-87.217	1
7515_7515	7515	7515	26.608	13.556	0.118	0.389	1.158	-180.678	1
7515_7516	7515	7516	-36.454	0.923	0.582	0.103	5.909	-95.704	1
7516_7516	7516	7516	26.905	14.235	0.023	-1.19	2.981	-329.026	1
7516_7517	7516	7517	-35.194	0.133	0.729	-0.474	8.385	-95.896	1
7517_7517	7517	7517	26.779	16.754	-2.344	-0.085	4.674	-378.665	1
7517_7220	7517	7220	-35.225	0.161	0.752	0.036	11.965	-96.525	1
7520_7240	7520	7240	38.497	-10.987	5.981	0.697	-1.426	-452.715	1
7520_7521	7520	7521	-58.273	-9.26	-1.432	0.057	-17.451	-79.785	1
7521_7521	7521	7521	37.322	-15.742	-0.404	0.896	12.345	-426.39	1
7521_7522	7521	7522	-61.694	1.479	1.124	-0.164	-13.081	-83.659	1
7522_7522	7522	7522	37.687	-14.845	-0.472	-0.128	10.732	-371.496	1
7522_7523	7522	7523	-69.366	0.538	1.347	-0.018	0.513	-85.61	1
7523_7523	7523	7523	36.473	-12.143	-0.239	0.205	5.199	-209.306	1
7523_7524	7523	7524	-66.09	-0.933	-0.089	0.037	0.124	-78.007	1
7524_7524	7524	7524	37.521	-11.256	-0.304	-0.109	3.416	-121.786	1
7524_7525	7524	7525	-71.252	-2.038	0.057	-0.114	0.396	-61.621	1
7525_7525	7525	7525	37.634	-8.804	-0.16	0.009	1.048	-40.702	1
7525_7526	7525	7526	-32.347	7.337	0.156	0.04	2.071	-112.745	1
7526_7526	7526	7526	31.676	4.331	-1.168	0.041	0.218	-10.501	1
7526_7527	7526	7527	-30.921	7.31	-0.234	0.229	-0.201	-173.221	1
7527_7527	7527	7527	49.514	7.027	-1.425	0.131	-11.122	-59.859	1
7527_7528	7527	7528	-31.067	6.819	-0.101	-0.234	-0.492	-210.555	1
7528_7528	7528	7528	50.728	-3.684	0.221	-2.114	-19.502	-99.747	1
7528_7529	7528	7529	-28.797	13.133	-0.229	-0.019	-1.235	-250.088	1
7529_7529	7529	7529	47.965	2.92	-1.04	2.346	-18.894	-90.524	1
7529_7530	7529	7530	-28.766	-12.899	-0.304	0.184	-2.188	-211.258	1
7530_7530	7530	7530	46.948	-6.888	1.552	0.027	-21.706	-99.185	1
7530_7531	7530	7531	-30.844	-6.46	-0.204	0.388	-2.093	-174.807	1
7531_7531	7531	7531	44.582	-5.803	1.381	0.092	-13.004	-61.565	1
7531_7532	7531	7532	-31.144	-6.338	-0.332	-0.177	-2.822	-114.727	1
7532_7532	7532	7532	31.246	-3.761	0.126	0.047	-0.601	-13.047	1
7532_7533	7532	7533	-55.849	2.962	-0.109	-0.034	-1.693	-60.323	1
7533_7533	7533	7533	40.973	10.912	-0.14	0.118	-0.366	-30.35	1
7533_7534	7533	7534	-48.838	2.362	-0.09	0.03	-2.397	-74.381	1
7534_7534	7534	7534	37.703	11.942	-0.22	-0.09	-1.288	-109.983	1
7534_7535	7534	7535	-44.942	1.615	0.006	-0.08	-2.27	-85.189	1
7535_7535	7535	7535	37.64	14.719	0.127	0.317	-2.79	-195.884	1
7535_7536	7535	7536	-36.554	0.814	-0.123	0.029	-3.733	-91.978	1
7536_7536	7536	7536	37.35	15.613	0.034	-0.658	-1.12	-356.742	1
7536_7537	7536	7537	-35.612	0.009	-0.019	-0.142	-3.684	-91.794	1
7537_7537	7537	7537	37.261	17.63	-0.069	-0.078	-0.685	-410.96	1
7537_7253	7537	7253	-34.262	0.207	1.396	0.991	1.966	-92.235	1
7540_7275	7540	7275	39.333	-15.955	0.069	0.269	-2.25	-464.628	1
7540_7541	7540	7541	-57.737	1.148	1.416	0.524	-0.732	-85.292	1
7541_7541	7541	7541	39.238	-14.689	0.588	0.787	-1.935	-399.224	1
7541_7542	7541	7542	-60.207	1.295	-0.011	0.164	0.724	-89.784	1
7542_7542	7542	7542	39.591	-13.713	0.512	0.045	-0.076	-347.867	1
7542_7543	7542	7543	-70.257	0.537	-0.062	-0.059	2.391	-91.01	1
7543_7543	7543	7543	37.946	-11.484	-0.158	0.288	5.065	-197.957	1
7543_7544	7543	7544	-67.024	-1.14	-0.264	0.088	1.028	-81.832	1
7544_7544	7544	7544	39.606	-10.522	-0.25	-0.125	3.875	-115.277	1
7544_7545	7544	7545	-72.103	-2.303	-0.074	-0.166	0.419	-63.78	1
7545_7545	7545	7545	38.768	-8.528	-0.33	-0.016	1.784	-39.37	1
7545_7546	7545	7546	-34.956	6.761	0.224	0.112	4.1	-116.885	1
7546_7546	7546	7546	33.9	5.051	-1.652	0.064	-0.235	-13.949	1
7546_7547	7546	7547	-32.618	6.908	-0.468	0.345	-0.21	-172.829	1
7547_7547	7547	7547	52.872	7.892	-2.152	0.237	-17.959	-69.035	1
7547_7548	7547	7548	-32.343	6.536	-0.176	-0.213	0.267	-208.216	1
7548_7548	7548	7548	50.871	-3.397	0.898	-3.712	-30.979	-112.61	1
7548_7549	7548	7549	-30.37	13.196	-0.661	0.105	-1.646	-248.103	1
7549_7549	7549	7549	47.656	1.928	-1.296	4.171	-27.967	-105.836	1
7549_7550	7549	7550	-30.184	-13.302	-0.669	0.056	-1.426	-207.954	1
7550_7550	7550	7550	45.858	-7.811	2.174	-0.094	-32.06	-111.14	1
7550_7551	7550	7551	-32.225	-6.115	-0.504	0.353	-1.349	-171.485	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7551_7551	7551	7551	43.284	-6.589	2.013	0.209	-19.356	-67.697	1
7551_7552	7551	7552	-32.613	-5.755	-0.883	-0.058	-4.696	-116.992	1
7552_7552	7552	7552	26.42	-4.184	0.298	0.049	-2.001	-16.068	1
7552_7553	7552	7553	-56.506	3.216	-0.276	-0.004	-3.424	-72.165	1
7553_7553	7553	7553	45.692	11.466	-0.387	0.087	-1.142	-37.323	1
7553_7554	7553	7554	-49.529	2.914	-0.263	0.009	-5.285	-88.357	1
7554_7554	7554	7554	42.762	12.648	-0.439	0.019	-3.708	-118.324	1
7554_7555	7554	7555	-45.545	2.093	-0.208	0.014	-6.635	-101.811	1
7555_7555	7555	7555	42.806	15.381	-0.078	0.215	-6.77	-207.175	1
7555_7556	7555	7556	-37.419	1.184	0.381	0.027	-2.626	-112.319	1
7556_7556	7556	7556	45.19	16.759	-0.112	0.268	-7.89	-371.719	1
7556_7557	7556	7557	-35.292	0.327	0.424	0.041	-0.77	-113.252	1
7557_7557	7557	7557	45.309	14.89	2.806	0.224	-7.893	-428.339	1
7557_7288	7557	7288	-36.903	3.904	5.4	0.533	21.604	-129.155	1
47000_7000	47000	7000	-0.595	-3.237	0.737	0.616	0	-4.946	1
47000_7001	47000	7001	0.39	3.422	-1.03	-0.717	-10.82	-32.194	1
47001_7001	47001	7001	0.836	17.101	-0.377	-0.322	-3.956	-560.005	1
47001_7002	47001	7002	0.432	3.445	-1.002	-0.714	-19.947	-64.538	1
47002_7002	47002	7002	1.053	13.845	0.33	0.08	-9.997	-906.639	1
47002_7003	47002	7003	0.446	3.587	0.309	-0.827	-16.065	-107.963	1
47003_7003	47003	7003	1.155	0.357	0.371	-1.048	-6.866	-1251.766	1
47003_7004	47003	7004	0.447	3.587	0.308	-0.927	-12.329	-151.426	1
47004_7004	47004	7004	1.307	1.09	-0.016	0.892	-3.233	-1445.591	1
47004_7005	47004	7005	0.445	3.54	-0.074	-0.602	-13.226	-194.273	1
47005_7005	47005	7005	1.399	-6.563	-0.013	-1.901	-4.39	-1614.972	1
47005_7006	47005	7006	0.445	3.54	-0.075	-0.941	-14.134	-237.143	1
47006_7006	47006	7006	1.447	-2.573	-0.089	0.891	-5.496	-1668.898	1
47006_7007	47006	7007	0.472	3.602	-0.225	-0.458	-16.767	-280.74	1
47007_7007	47007	7007	1.465	-9.615	-0.097	-2.161	-7.686	-1758.299	1
47007_7008	47007	7008	0.489	3.603	-0.225	-0.946	-19.422	-324.396	1
47008_7008	47008	7008	1.465	-4.904	-0.215	0.956	-10.073	-1752.738	1
47008_7009	47008	7009	0.489	3.66	-0.244	-0.242	-22.376	-368.707	1
47009_7009	47009	7009	1.454	-11.832	-0.22	-2.146	-13.963	-1797.02	1
47009_7010	47009	7010	0.488	3.66	-0.245	-0.884	-25.343	-413.042	1
47010_7010	47010	7010	1.438	-7.335	-0.175	0.95	-17.818	-1751.471	1
47010_7011	47010	7011	0.488	3.756	-0.24	-0.013	-28.247	-458.55	1
47011_7011	47011	7011	1.452	-28.49	-0.176	-1.81	-18.804	-1754.711	1
47011_7012	47011	7012	0.488	3.756	-0.241	-0.764	-31.16	-504.043	1
47012_7012	47012	7012	1.436	-24.634	-0.371	1.048	-22.129	-1678.334	1
47012_7013	47012	7013	0.487	3.949	-0.244	0.301	-34.117	-551.866	1
47013_7013	47013	7013	1.418	-31.499	-0.368	-1.613	-27.618	-1645.518	1
47013_7014	47013	7014	0.487	3.949	-0.245	-0.659	-37.085	-599.714	1
47014_7014	47014	7014	1.398	-29.937	-0.251	0.373	-32.495	-1520.008	1
47014_7015	47014	7015	0.501	4.151	-0.267	0.19	-41.148	-665.416	1
47015_7015	47015	7015	1.695	-38.145	-0.304	-0.693	-37.109	-1373.901	1
47015_7016	47015	7016	0.464	4.155	-0.267	-0.105	-43.359	-699.451	1
47016_7016	47016	7016	2.208	-34.492	0.04	0.682	-39.532	-1241.3	1
47016_7017	47016	7017	0.391	4.981	-0.139	0.521	-44.598	-757.63	1
47017_7017	47017	7017	2.407	-27.329	0.098	-0.285	-34.042	-1093.552	1
47017_7018	47017	7018	0.279	5.027	-0.139	0.182	-46.166	-824.066	1
47018_7018	47018	7018	3.17	-30.619	-0.061	0.592	-29.943	-842.614	1
47018_7019	47018	7019	0.117	5.484	-0.03	1.128	-46.541	-892.818	1
47019_7019	47019	7019	4.439	-36.858	0.037	0.022	-26.93	-579.975	1
47019_7020	47019	7020	-0.015	5.596	-0.032	0.214	-46.233	-962.403	1
47020_7020	47020	7020	-46.694	-0.973	0.144	0.856	-37.794	-444.529	1
47020_7021	47020	7021	17.723	-16.127	0.791	0.666	-23.098	-429.22	1
47021_7021	47021	7021	-40.235	-4.935	0.048	0.519	-31.76	-569.258	1
47021_7022	47021	7022	25.6	-11.095	0.824	0.342	-25.566	-314.524	1
47022_7022	47022	7022	-35.16	-8.903	-0.012	-0.296	-28.083	-652.929	1
47022_7023	47022	7023	45.098	-2.23	0.925	0.325	-46.955	-252.879	1
47023_7023	47023	7023	-29.897	-9	0.433	0.95	-25.459	-716.309	1
47023_7024	47023	7024	43.515	-1.938	1.134	1.115	-38.026	-237.243	1
47024_7024	47024	7024	-24.946	-13.455	0.388	0.099	-19.559	-787.819	1
47024_7025	47024	7025	41.932	-1.87	1.077	0.843	-29.435	-222.207	1
47025_7025	47025	7025	-20.562	-18.397	0.307	0.045	-14.485	-828.559	1
47025_7026	47025	7026	41.301	-1.848	1.072	0.839	-20.872	-207.348	1
47026_7026	47026	7026	-17.249	-16.29	0.334	0.85	-10.517	-838.589	1
47026_7027	47026	7027	39.978	-1.413	1.109	1.151	-14.288	-198.85	1
47027_7027	47027	7027	-15.359	-20.058	0.249	1.002	-7.778	-866.546	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47027_7028	47027	7028	39.978	-1.413	1.116	1.186	-7.596	-190.381	1
47028_7028	47028	7028	-14.067	-24.109	0.188	-0.577	-6.01	-876.618	1
47028_7029	47028	7029	39.979	-1.413	1.043	0.837	-1.335	-181.903	1
47029_7029	47029	7029	-13.221	-28.288	0.097	-0.609	-5.132	-861.047	1
47029_7030	47029	7030	39.979	-1.413	1.043	0.837	4.926	-173.422	1
47030_7030	47030	7030	-15.713	-13.084	-0.199	0.114	-7.756	-828.568	1
47030_7031	47030	7031	39.981	-0.726	0.998	1.08	12.902	-167.62	1
47031_7031	47031	7031	-18.281	-18.446	-0.288	-0.063	-10.688	-815.136	1
47031_7032	47031	7032	56.039	2.151	-1.035	-0.895	-22.874	-178.788	1
47032_7032	47032	7032	-21.719	-23.394	-0.345	-1.069	-14.795	-771.009	1
47032_7033	47032	7033	39.244	8.481	-0.732	-0.806	-18.773	-215.394	1
47033_7033	47033	7033	-25.601	-23.48	0.081	-0.541	-19.784	-696.302	1
47033_7034	47033	7034	24.939	13.081	-0.837	-0.273	-18.108	-297.145	1
47034_7034	47034	7034	-29.747	-27.912	-0.082	0.165	-22.139	-630.087	1
47034_7035	47034	7035	17.363	18.267	-0.759	0.212	-17.906	-414.762	1
47035_7035	47035	7035	-33.73	-31.894	-0.135	-0.933	-26.441	-534.729	1
47035_7036	47035	7036	13.482	25.503	-0.707	-0.652	-17.191	-622.654	1
47036_7036	47036	7036	-5.135	-4.068	0.068	0.626	-3.073	-247.99	1
47036_7037	47036	7037	12.145	-7.263	-0.079	-0.777	-28.261	-790.804	1
47037_7037	47037	7037	10.041	-0.413	-0.082	-0.378	-18.386	-514.952	1
47037_7038	47037	7038	12.331	-6.943	-0.089	-0.665	-29.337	-703.779	1
47038_7038	47038	7038	13.058	-3.238	-0.133	0.084	-21.085	-746.402	1
47038_7039	47038	7039	12.534	-6.021	0.085	-0.178	-28.204	-623.889	1
47039_7039	47039	7039	15.969	-10.088	-0.204	-1.205	-25.012	-954.752	1
47039_7040	47039	7040	12.56	-5.685	0.06	-0.832	-25.587	-555.545	1
47040_7040	47040	7040	18.024	-9.192	0.129	0.885	-28.841	-1056.239	1
47040_7041	47040	7041	12.66	-4.782	0.098	0.258	-26.791	-516.117	1
47041_7041	47041	7041	18.939	-14.485	0.055	-0.902	-28.782	-1136.863	1
47041_7042	47041	7042	12.46	-4.648	0.076	-0.502	-25.755	-440.821	1
47042_7042	47042	7042	19.346	-12.571	0.25	0.81	-29.834	-1201.097	1
47042_7043	47042	7043	12.46	-4.145	0.163	0.316	-23.819	-391.504	1
47043_7043	47043	7043	18.909	-19.543	0.199	-1.224	-27.952	-1285.736	1
47043_7044	47043	7044	12.46	-4.145	0.142	-0.339	-22.13	-342.186	1
47044_7044	47044	7044	17.975	-15.693	0.085	0.482	-26.544	-1294.595	1
47044_7045	47044	7045	12.46	-3.955	0.108	0.322	-20.846	-295.089	1
47045_7045	47045	7045	16.962	-22.905	0.056	-0.531	-26.215	-1353.323	1
47045_7046	47045	7046	4.384	4.251	-0.181	-0.536	-21.531	-266.111	1
47046_7046	47046	7046	14.908	-5.832	-0.06	1.038	-26.227	-1326.698	1
47046_7047	47046	7047	4.384	4.288	-0.185	-0.039	-23.733	-317.163	1
47047_7047	47047	7047	14.814	-13.594	-0.105	-1.235	-26.77	-1358.477	1
47047_7048	47047	7048	4.383	4.288	-0.192	-0.57	-26.021	-368.207	1
47048_7048	47048	7048	14.897	-9.287	-0.179	0.643	-27.716	-1302.713	1
47048_7049	47048	7049	4.383	4.372	-0.194	0.111	-28.328	-420.24	1
47049_7049	47049	7049	15.04	-17.074	-0.221	-0.483	-29.401	-1294.996	1
47049_7050	47049	7050	4.383	4.372	-0.198	-0.241	-30.679	-472.267	1
47050_7050	47050	7050	14.882	-13.531	-0.098	0.778	-31.115	-1210.539	1
47050_7051	47050	7051	4.69	4.663	-0.217	0.438	-33.85	-543.922	1
47051_7051	47051	7051	14.22	-22.998	-0.185	-0.9	-31.568	-1147.386	1
47051_7052	47051	7052	4.651	4.702	-0.225	-0.211	-35.706	-583.163	1
47052_7052	47052	7052	13.632	-19.315	0.248	1.067	-32.253	-1059.859	1
47052_7053	47052	7053	4.56	5.331	-0.058	0.796	-36.374	-645.85	1
47053_7053	47053	7053	12.729	-26.164	0.217	-0.203	-27.871	-966.988	1
47053_7054	47053	7054	4.637	5.488	-0.066	0.264	-36.993	-720.131	1
47054_7054	47054	7054	11.073	-29.622	-0.109	0.553	-23.248	-762.17	1
47054_7055	47054	7055	4.649	5.905	-0.128	0.971	-38.271	-793.896	1
47055_7055	47055	7055	9.97	-36.099	-0.01	0.296	-21.61	-533.528	1
47055_7056	47055	7056	4.675	6.084	-0.136	0.698	-39.638	-869.794	1
47056_7056	47056	7056	-41.933	-1.033	0.163	1.092	-32.451	-444.149	1
47056_7057	47056	7057	19.906	-15.319	0.813	0.763	-21.503	-382.245	1
47057_7057	47057	7057	-36.75	-5.176	0.077	0.485	-26.659	-575.245	1
47057_7058	47057	7058	30.392	-9.634	0.827	0.476	-24.496	-282.139	1
47058_7058	47058	7058	-32.688	-9.279	0.007	-0.35	-23.236	-668.446	1
47058_7059	47058	7059	41.875	-2.266	0.841	0.496	-39.852	-250.935	1
47059_7059	47059	7059	-28.378	-9.335	0.362	1.388	-21.062	-737.998	1
47059_7060	47059	7060	40.492	-2.025	1.021	1.402	-31.672	-234.481	1
47060_7060	47060	7060	-24.336	-13.824	0.336	0.385	-16.269	-814.417	1
47060_7061	47060	7061	39.645	-1.989	0.96	1.082	-23.998	-218.457	1
47061_7061	47061	7061	-20.752	-18.801	0.295	-0.686	-12.054	-858.963	1
47061_7062	47061	7062	38.202	-1.937	0.899	0.796	-16.853	-202.773	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47062_7062	47062	7062	-18.068	-16.507	0.268	1.31	-8.597	-871.273	1
47062_7063	47062	7063	38.202	-1.577	0.991	1.386	-10.901	-193.297	1
47063_7063	47063	7063	-16.54	-20.253	0.225	-0.12	-6.5	-901.277	1
47063_7064	47063	7064	38.045	1.269	-0.936	-1.232	-0.74	-193.648	1
47064_7064	47064	7064	-15.203	-12.762	-0.15	-0.449	-4.522	-913.389	1
47064_7065	47064	7065	38.046	1.269	-0.931	-1.21	-6.322	-201.253	1
47065_7065	47065	7065	-16.081	-16.77	-0.223	-0.606	-5.669	-900.61	1
47065_7066	47065	7066	39.761	1.282	-0.95	-1.245	-11.79	-208.906	1
47066_7066	47066	7066	-17.449	-12.826	-0.235	-0.232	-7.641	-869.739	1
47066_7067	47066	7067	40.582	1.779	-0.929	-1.108	-19.143	-223.053	1
47067_7067	47067	7067	-19.909	-18.196	-0.3	-0.343	-10.822	-856.46	1
47067_7068	47067	7068	42.663	1.848	-0.939	-1.121	-26.503	-237.332	1
47068_7068	47068	7068	-23.255	-23.161	-0.361	-0.515	-14.875	-811.376	1
47068_7069	47068	7069	42.88	1.866	-0.943	-1.142	-34.029	-252.175	1
47069_7069	47069	7069	-27.047	-23.131	0.086	0.127	-19.726	-734.852	1
47069_7070	47069	7070	28.37	11.03	-0.805	-0.204	-18.598	-288.298	1
47070_7070	47070	7070	-31.108	-27.638	0.005	-0.711	-21.746	-666.266	1
47070_7071	47070	7071	20.742	15.403	-0.802	-0.439	-18.842	-388.922	1
47071_7071	47071	7071	-34.936	-31.711	-0.104	-0.797	-25.059	-572.2	1
47071_7072	47071	7072	15.494	23.433	-0.729	-0.328	-17.146	-575.411	1
47072_7072	47072	7072	-4.894	-0.724	0.132	-0.428	-17.679	-262.285	1
47072_7073	47072	7073	6.383	-6.113	0.101	-0.936	-31.855	-808.042	1
47073_7073	47073	7073	7.981	-0.471	-0.01	-0.418	-19.399	-537.202	1
47073_7074	47073	7074	6.05	-5.82	0.095	-0.746	-31.272	-734.427	1
47074_7074	47074	7074	10.518	-3.413	-0.157	-0.056	-20.852	-771.444	1
47074_7075	47074	7075	6.209	-5.35	0.016	-0.345	-31.052	-663.494	1
47075_7075	47075	7075	12.961	-10.515	-0.242	-1.004	-25.005	-979.59	1
47075_7076	47075	7076	5.696	-5.095	0.01	-0.728	-31.421	-600.871	1
47076_7076	47076	7076	14.597	-9.241	0.212	0.318	-29.353	-1084.447	1
47076_7077	47076	7077	5.786	-4.34	0.142	-0.041	-30.254	-565.059	1
47077_7077	47077	7077	15.164	-13.85	0.182	-0.676	-28.51	-1186.656	1
47077_7078	47077	7078	5.822	-4.291	0.136	-0.394	-28.356	-507.153	1
47078_7078	47078	7078	15.175	-12.717	0.175	0.393	-27.554	-1266.668	1
47078_7079	47078	7079	5.822	-4.11	0.167	0.194	-26.483	-461.134	1
47079_7079	47079	7079	12.472	-6.576	0.164	-0.885	-26.826	-1364.136	1
47079_7080	47079	7080	5.823	-4.11	0.162	-0.195	-24.667	-415.157	1
47080_7080	47080	7080	11.577	-2.251	0.017	0.481	-24.907	-1387.4	1
47080_7081	47080	7081	5.823	-3.973	0.143	0.364	-23.065	-370.728	1
47081_7081	47081	7081	10.921	-9.391	-0.005	-0.912	-24.604	-1458.905	1
47081_7082	47081	7082	5.539	-3.969	0.139	0.018	-21.56	-326.283	1
47082_7082	47082	7082	10.557	-4.595	0.007	0.585	-24.512	-1448.423	1
47082_7083	47082	7083	3.408	3.713	-0.185	-0.221	-18.636	-279.895	1
47083_7083	47083	7083	10.521	-12.26	-0.018	-0.689	-24.28	-1491.061	1
47083_7084	47083	7084	3.408	3.713	-0.188	-0.453	-20.893	-324.539	1
47084_7084	47084	7084	10.549	-20.999	-0.043	0.763	-24.447	-1442.122	1
47084_7085	47084	7085	3.407	3.773	-0.184	-0.026	-22.953	-366.774	1
47085_7085	47085	7085	10.525	-27.873	-0.065	-0.428	-25.121	-1448.277	1
47085_7086	47085	7086	3.407	3.773	-0.187	-0.338	-25.044	-408.968	1
47086_7086	47086	7086	12.002	-10.693	-0.191	1.336	-25.619	-1374.011	1
47086_7087	47086	7087	3.777	3.908	-0.207	0.413	-27.211	-452.642	1
47087_7087	47087	7087	12.637	-17.849	-0.215	-1.068	-27.227	-1348.635	1
47087_7088	47087	7088	3.777	3.908	-0.214	-0.395	-29.601	-496.379	1
47088_7088	47088	7088	12.947	-14.499	-0.126	0.993	-28.706	-1254.96	1
47088_7089	47088	7089	3.777	4.086	-0.178	0.523	-31.996	-551.352	1
47089_7089	47089	7089	12.946	-22.736	-0.197	-0.952	-29.374	-1179.055	1
47089_7090	47089	7090	3.741	4.119	-0.185	-0.207	-33.526	-584.602	1
47090_7090	47090	7090	12.703	-19.092	0.178	0.863	-30.01	-1084.865	1
47090_7091	47090	7091	3.873	4.755	-0.079	0.599	-34.23	-640.244	1
47091_7091	47091	7091	12.183	-26.095	0.145	0.019	-26.417	-980.446	1
47091_7092	47091	7092	4.005	4.896	-0.082	0.411	-34.987	-705.557	1
47092_7092	47092	7092	10.809	-29.452	-0.102	0.535	-22.756	-763.104	1
47092_7093	47092	7093	3.938	5.334	-0.157	0.917	-36.801	-772.2	1
47093_7093	47093	7093	9.891	-36.114	-0.013	0.271	-21.181	-527.315	1
47093_7094	47093	7094	3.941	5.479	-0.163	0.642	-38.632	-840.838	1
47094_7094	47094	7094	-41.154	-0.972	0.184	1.004	-30.058	-438.769	1
47094_7095	47094	7095	19.255	-14.925	0.77	0.69	-19.22	-375.199	1
47095_7095	47095	7095	-36.186	-5.146	0.092	0.525	-24.489	-566.861	1
47095_7096	47095	7096	29.129	-9.439	0.787	0.507	-21.676	-278.442	1
47096_7096	47096	7096	-32.3	-9.315	0.027	-0.336	-21.267	-658.882	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47096_7097	47096	7097	39.352	-2.256	0.814	0.471	-35.525	-249.058	1
47097_7097	47097	7097	-28.14	-9.231	0.383	1.335	-19.257	-726.923	1
47097_7098	47097	7098	37.902	-1.986	0.964	1.319	-27.841	-232.788	1
47098_7098	47098	7098	-24.222	-13.777	0.363	0.379	-14.575	-803.151	1
47098_7099	47098	7099	36.788	-1.932	0.909	1.009	-20.592	-217.154	1
47099_7099	47099	7099	-20.736	-18.832	0.329	-0.681	-10.374	-847.163	1
47099_7100	47099	7100	35.377	-1.869	0.855	0.723	-13.802	-202.013	1
47100_7100	47100	7100	-18.123	-16.258	0.292	0.46	-6.841	-858.358	1
47100_7101	47100	7101	34.736	-1.482	0.971	1.079	-8.025	-193.095	1
47101_7101	47101	7101	-16.621	-20.027	0.25	-1.119	-4.774	-889.155	1
47101_7102	47101	7102	37.749	1.57	-0.982	-1.435	-4.6	-192.114	1
47102_7102	47102	7102	-15.021	-12.751	-0.169	1.324	-3.553	-902.305	1
47102_7103	47102	7103	38.276	1.576	-0.861	-0.799	-9.678	-201.557	1
47103_7103	47103	7103	-15.78	-16.812	-0.219	-0.351	-5.005	-890.024	1
47103_7104	47103	7104	38.274	1.576	-0.922	-1.124	-15.206	-210.997	1
47104_7104	47104	7104	-17.004	-12.536	-0.273	0.402	-7.15	-859.308	1
47104_7105	47104	7105	39.559	1.975	-0.845	-0.877	-21.876	-226.675	1
47105_7105	47105	7105	-19.258	-18.007	-0.317	-0.697	-10.913	-848.372	1
47105_7106	47105	7106	40.709	2.017	-0.903	-1.169	-29.062	-242.72	1
47106_7106	47106	7106	-22.395	-23.068	-0.379	-0.71	-15.371	-804.419	1
47106_7107	47106	7107	42.7	2.106	-0.914	-1.172	-36.321	-259.212	1
47107_7107	47107	7107	-25.973	-22.884	0.122	-0.204	-20.608	-728.185	1
47107_7108	47107	7108	31.551	9.425	-0.771	-0.378	-22.443	-281.666	1
47108_7108	47108	7108	-29.821	-27.514	0.008	-0.25	-22.54	-660.305	1
47108_7109	47108	7109	20.734	14.897	-0.742	-0.198	-19.576	-1976.322	1
47109_7109	47109	7109	-33.417	-31.7	-0.066	-0.846	-25.979	-566.258	1
47109_7110	47109	7110	15.575	22.731	-0.702	-0.427	-17.368	-554.717	1
47110_7110	47110	7110	-1.202	-1.463	0.116	-0.233	-14.885	-300.66	1
47110_7111	47110	7111	6.118	-6.18	0.177	-0.629	-36.922	-800.906	1
47111_7111	47111	7111	7.779	-0.751	0.021	-0.538	-22.665	-539.099	1
47111_7112	47111	7112	6.023	-5.952	0.167	-0.94	-35.116	-726.242	1
47112_7112	47112	7112	10.291	-3.632	-0.035	-0.186	-24.467	-768.414	1
47112_7113	47112	7113	5.967	-5.45	0.13	-0.494	-33.629	-653.958	1
47113_7113	47113	7113	12.73	-10.94	-0.08	-0.702	-27.4	-973.089	1
47113_7114	47113	7114	5.67	-5.233	0.126	-0.503	-32.473	-590.872	1
47114_7114	47114	7114	14.475	-9.796	0.23	0.031	-30.059	-1065.744	1
47114_7115	47114	7115	5.76	-4.646	0.198	-0.195	-30.84	-552.539	1
47115_7115	47115	7115	15.207	-14.526	0.207	-0.346	-29.205	-1149.207	1
47115_7116	47115	7116	5.801	-4.596	0.195	-0.231	-28.119	-488.568	1
47116_7116	47116	7116	15.501	-12.853	0.278	0.458	-27.906	-1202.467	1
47116_7117	47116	7117	5.801	-4.354	0.224	0.244	-25.61	-439.839	1
47117_7117	47117	7117	15.18	-19.635	0.271	-0.629	-25.523	-1280.863	1
47117_7118	47117	7118	5.801	-4.354	0.219	-0.142	-23.161	-391.155	1
47118_7118	47118	7118	14.479	-15.434	0.149	0.113	-22.855	-1288.039	1
47118_7119	47118	7119	5.801	-4.231	0.199	0.26	-20.935	-343.806	1
47119_7119	47119	7119	13.718	-22.36	0.145	0.06	-21.363	-1345.309	1
47119_7120	47119	7120	5.801	-4.231	0.199	0.26	-18.708	-296.46	1
47120_7120	47120	7120	13.018	-17.673	0.133	1.149	-19.767	-1323.872	1
47120_7121	47120	7121	5.802	-4.189	0.196	0.622	-16.351	-246.104	1
47121_7121	47121	7121	12.508	-25.253	0.099	-0.969	-18.169	-1360.377	1
47121_7122	47121	7122	6.542	2.654	-0.079	-0.388	-12.548	-214.195	1
47122_7122	47122	7122	12.34	-21.002	0.079	0.817	-16.999	-1299.553	1
47122_7123	47122	7123	6.542	2.721	-0.062	-0.02	-13.24	-244.645	1
47123_7123	47123	7123	12.527	-28.154	0.054	-0.301	-16.158	-1297.33	1
47123_7124	47123	7124	6.647	2.722	-0.067	-0.238	-13.947	-275.099	1
47124_7124	47124	7124	13.03	-23.771	-0.013	1.256	-15.651	-1210.005	1
47124_7125	47124	7125	6.647	2.874	-0.077	0.274	-14.813	-307.258	1
47125_7125	47125	7125	15.698	-18.793	-0.074	-0.89	-15.669	-1176.918	1
47125_7126	47125	7126	6.888	2.881	-0.088	-0.274	-15.67	-339.462	1
47126_7126	47126	7126	16.167	-15.129	-0.08	0.672	-16.134	-1077.698	1
47126_7127	47126	7127	6.947	3.159	-0.066	0.297	-16.522	-382.152	1
47127_7127	47127	7127	16.227	-23.625	-0.156	-0.515	-17.13	-1000.102	1
47127_7128	47127	7128	6.92	3.218	-0.075	-0.054	-17.143	-406.886	1
47128_7128	47128	7128	15.934	-19.409	0.045	0.878	-18.176	-906.548	1
47128_7129	47128	7129	7.012	4.036	-0.103	0.599	-18.172	-454.279	1
47129_7129	47129	7129	15.208	-26.494	0.004	-0.298	-17.291	-816.746	1
47129_7130	47129	7130	7.142	4.258	-0.11	0.075	-19.288	-512.85	1
47130_7130	47130	7130	13.442	-30.243	0.688	0.372	-17.098	-616.188	1
47130_7131	47130	7131	-14.838	19.621	-0.659	-0.384	9.212	-681.364	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47131_7131	47131	7131	12.364	-36.91	0.772	0.317	-7.39	-390.436	1
47131_7132	47131	7132	-18.483	28.129	-0.635	-1.118	3.184	-955.485	1
47132_7132	47132	7132	-45.336	1.101	-0.48	-0.194	-5.527	-319.008	1
47132_7133	47132	7133	14.667	-16.371	0.815	-0.116	-11.875	-355.049	1
47133_7133	47133	7133	-39.242	-3.584	-0.641	0.222	-8.317	-483.113	1
47133_7134	47133	7134	18.713	-11.727	0.666	0.226	-8.75	-240.772	1
47134_7134	47134	7134	-34.781	-7.969	-0.821	1.501	-12.119	-585.655	1
47134_7135	47134	7135	44.846	-1.224	0.129	-0.252	14.967	-188.603	1
47135_7135	47135	7135	-30.048	-8.372	0.5	0.91	-17.851	-662.168	1
47135_7136	47135	7136	44.849	-0.407	-0.68	-0.594	9.533	-185.362	1
47136_7136	47136	7136	-25.556	-13.169	0.494	0.011	-13.195	-745.032	1
47136_7137	47136	7137	43.901	-0.385	-0.724	-0.824	3.277	-182.123	1
47137_7137	47137	7137	-21.516	-18.467	0.447	-0.035	-8.771	-791.432	1
47137_7138	47137	7138	43.357	-0.37	-0.716	-0.822	-2.664	-179.066	1
47138_7138	47138	7138	-18.363	-15.417	0.172	1.198	-4.935	-802.634	1
47138_7139	47138	7139	43.356	0.145	-0.439	-0.519	-5.3	-179.931	1
47139_7139	47139	7139	-13.093	-8.729	-0.06	-0.417	-3.592	-840.337	1
47139_7140	47139	7140	43.9	0.149	-0.516	-0.822	-8.272	-180.821	1
47140_7140	47140	7140	-13.184	-13.131	-0.114	-0.445	-4.097	-855.738	1
47140_7141	47140	7141	43.9	0.149	-0.516	-0.822	-11.37	-181.713	1
47141_7141	47141	7141	-13.646	-17.403	-0.168	-0.482	-5.213	-843.504	1
47141_7142	47141	7142	44.847	0.158	-0.525	-0.829	-14.392	-182.624	1
47142_7142	47142	7142	-14.608	-12.801	-0.187	0.468	-6.905	-811.565	1
47142_7143	47142	7143	45.894	0.535	-0.472	-0.525	-18.076	-186.681	1
47143_7143	47143	7143	-16.56	-18.518	-0.214	-0.542	-9.516	-801.686	1
47143_7144	47143	7144	47.345	0.589	-0.539	-0.768	-22.295	-191.134	1
47144_7144	47144	7144	-19.433	-23.811	-0.256	-0.563	-12.494	-756.346	1
47144_7145	47144	7145	49.713	0.698	-0.552	-0.781	-26.578	-196.138	1
47145_7145	47145	7145	-22.779	-23.681	0.293	-0.478	-15.943	-675.706	1
47145_7146	47145	7146	25.555	11.604	-0.566	-0.323	-11.57	-260.643	1
47146_7146	47146	7146	-26.414	-28.499	0.165	0.185	-15.549	-603.508	1
47146_7147	47146	7147	18.491	16.638	-0.571	0.095	-11.651	-368.838	1
47147_7147	47147	7147	-29.833	-32.845	0.106	-0.452	-16.687	-500.418	1
47147_7148	47147	7148	14.025	25.12	-0.606	-0.386	-12.085	-570.167	1
47148_7148	47148	7148	2.696	-1.903	0.095	-0.179	-9.631	-264.202	1
47148_7149	47148	7149	15.681	-7.284	0.104	-0.521	-23.9	-715.169	1
47149_7149	47149	7149	15.113	-0.881	-0.037	-0.228	-15.174	-468.888	1
47149_7150	47149	7150	15.824	-6.86	0.091	-0.467	-22.776	-629.1	1
47150_7150	47150	7150	19.208	-3.855	-0.121	-0.085	-16	-681.712	1
47150_7151	47150	7151	15.79	-6.096	0.075	-0.266	-22.019	-548.043	1
47151_7151	47151	7151	23.289	-10.972	-0.193	-0.348	-18.889	-860.046	1
47151_7152	47151	7152	15.72	-5.66	0.063	-0.233	-21.416	-476.067	1
47152_7152	47152	7152	26.309	-9.796	0.251	-0.584	-22.012	-936.739	1
47152_7153	47152	7153	15.813	-4.87	0.16	-0.404	-20.091	-435.881	1
47153_7153	47153	7153	27.838	-14.516	0.251	0.402	-20.433	-1007.183	1
47153_7154	47153	7154	15.853	-4.737	0.176	0.167	-17.678	-368.908	1
47154_7154	47154	7154	29.256	-13.1	0.144	0.121	-18.01	-1046.202	1
47154_7155	47154	7155	15.853	-4.48	0.115	0.144	-16.418	-319.63	1
47155_7155	47155	7155	29.675	-19.983	0.126	0.057	-16.92	-1111.148	1
47155_7156	47155	7156	15.428	-4.471	0.117	0.146	-15.248	-270.396	1
47156_7156	47156	7156	29.567	-16.604	0.06	-0.306	-15.974	-1106.825	1
47156_7157	47156	7157	15.428	-4.405	0.122	0.172	-14.03	-226.348	1
47157_7157	47157	7157	29.357	-23.059	0.069	0.676	-15.681	-1141.411	1
47157_7158	47157	7158	15.428	-4.405	0.137	0.398	-12.658	-182.299	1
47158_7158	47158	7158	29.113	-18.913	0.003	-0.255	-15.308	-1112.62	1
47158_7159	47158	7159	15.263	3.839	-0.117	-0.308	-13.939	-201.716	1
47159_7159	47159	7159	29.312	-13.779	-0.023	0.554	-15.74	-1137.372	1
47159_7160	47159	7160	15.462	3.84	-0.1	-0.104	-14.896	-240.108	1
47160_7160	47160	7160	29.523	-9.357	-0.158	-0.389	-15.923	-1100.958	1
47160_7161	47160	7161	15.461	3.98	-0.134	-0.215	-16.376	-283.891	1
47161_7161	47161	7161	29.647	-16.84	-0.153	0.49	-17.592	-1103.272	1
47161_7162	47161	7162	15.462	3.98	-0.12	0.043	-17.701	-327.675	1
47162_7162	47162	7162	29.268	-13.569	-0.152	0.403	-19.054	-1036.507	1
47162_7163	47162	7163	15.462	4.317	-0.15	0.171	-19.768	-387.04	1
47163_7163	47163	7163	28.1	-22.229	-0.237	-0.435	-20.983	-994.04	1
47163_7164	47163	7164	15.75	4.468	-0.164	-0.049	-20.888	-424.715	1
47164_7164	47164	7164	26.961	-18.766	0.239	0.282	-22.755	-918.045	1
47164_7165	47164	7165	15.718	5.366	-0.037	0.185	-21.275	-487.774	1
47165_7165	47165	7165	24.996	-25.578	0.212	0.253	-19.264	-840.952	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47165_7166	47165	7166	15.712	5.785	-0.044	0.38	-21.659	-568.534	1
47166_7166	47166	7166	21.778	-29.161	-0.058	0.253	-15.973	-650.467	1
47166_7167	47166	7167	15.68	6.727	-0.092	0.451	-22.512	-652.619	1
47167_7167	47167	7167	18.966	-35.655	0.049	0.286	-14.87	-434.958	1
47167_7168	47167	7168	-32.47	26.39	0.15	-1.036	23.144	-920.312	1
47168_7168	47168	7168	-37.647	0.319	0.045	0.63	-20.02	-362.549	1
47168_7169	47168	7169	19.036	-17.473	0.608	0.565	-11.875	-384.341	1
47169_7169	47169	7169	-32.98	-3.858	-0.04	0.073	-16.808	-505.885	1
47169_7170	47169	7170	25.05	-12.582	0.571	0.066	-11.091	-262.639	1
47170_7170	47170	7170	-29.318	-8.04	-0.14	0.072	-15.449	-605.039	1
47170_7171	47170	7171	35.008	-8.274	0.548	0.17	-11.137	-184.097	1
47171_7171	47171	7171	-25.412	-8.155	0.303	0.086	-15.418	-680.869	1
47171_7172	47171	7172	29.686	-0.936	-0.574	-0.7	11.041	-168.406	1
47172_7172	47172	7172	-21.778	-12.79	0.223	0.9	-12.043	-764.136	1
47172_7173	47172	7173	29.687	-0.936	-0.537	-0.49	6.743	-160.92	1
47173_7173	47173	7173	-18.597	-17.938	0.195	-0.178	-9.531	-814.126	1
47173_7174	47173	7174	29.686	-0.936	-0.574	-0.691	2.148	-153.431	1
47174_7174	47174	7174	-16.34	-15.653	0.251	-0.077	-7.498	-830.497	1
47174_7175	47174	7175	29.687	-0.327	-0.616	-0.696	-1.551	-151.464	1
47175_7175	47175	7175	-15.16	-19.541	0.166	1.227	-5.863	-863.706	1
47175_7176	47175	7176	31.939	-0.286	-0.582	-0.46	-4.542	-149.593	1
47176_7176	47176	7176	-14.494	-23.728	0.126	-0.228	-5.034	-877.62	1
47176_7177	47176	7177	42.036	0.099	0.576	0.617	0.526	-149.109	1
47177_7177	47177	7177	-14.22	-28.04	0.06	-0.27	-4.813	-864.388	1
47177_7178	47177	7178	42.036	0.099	0.576	0.617	3.981	-149.703	1
47178_7178	47178	7178	-18.921	-13.161	-0.116	-0.449	-7.925	-831.429	1
47178_7179	47178	7179	42.036	0.841	0.523	0.583	8.165	-156.426	1
47179_7179	47179	7179	-22.007	-18.716	-0.191	0.432	-9.845	-815.785	1
47179_7180	47179	7180	42.45	0.847	0.578	0.78	12.908	-163.181	1
47180_7180	47180	7180	-25.979	-23.852	-0.215	-0.628	-12.606	-766.702	1
47180_7181	47180	7181	29.326	8.698	-0.386	-0.551	-11.729	-181.154	1
47181_7181	47181	7181	-30.387	-24.045	0.264	-0.293	-15.781	-684.35	1
47181_7182	47181	7182	20.998	12.641	-0.584	-0.371	-11.481	-260.1	1
47182_7182	47182	7182	-35.017	-28.655	0.166	-0.375	-15.629	-608.838	1
47182_7183	47182	7183	16.414	17.542	-0.602	-0.316	-12.194	-378.119	1
47183_7183	47183	7183	-39.356	-32.813	0.017	0.114	-16.838	-503.367	1
47183_7184	47183	7184	14.226	26.282	-0.59	0.06	-12.33	-591.959	1
47184_7184	47184	7184	-6.816	-3.464	0.046	0.239	-2.751	-219.894	1
47184_7185	47184	7185	-22.902	-21.018	0	0.507	20.893	-645.964	1
47185_7185	47185	7185	10.685	0.168	-0.046	0.109	-15.867	-422.19	1
47185_7186	47185	7186	8.037	-5.702	0.082	0.094	-23.644	-550.58	1
47186_7186	47186	7186	13.923	-2.892	-0.184	-0.6	-16.88	-649.828	1
47186_7187	47186	7187	7.91	-5.007	0.056	-0.667	-23.348	-483.819	1
47187_7187	47187	7187	17.158	-9.765	-0.228	0.382	-20.478	-852.465	1
47187_7188	47187	7188	8.033	-4.807	0.062	0.227	-22.641	-425.13	1
47188_7188	47188	7188	19.491	-9.191	0.169	-0.538	-24.132	-956.402	1
47188_7189	47188	7189	7.915	-4.07	0.119	-0.371	-21.868	-391.549	1
47189_7189	47189	7189	20.605	-13.797	0.155	0.507	-23.273	-1041.881	1
47189_7190	47189	7190	7.876	-4.001	0.127	0.167	-20.175	-335.129	1
47190_7190	47190	7190	21.464	-13.107	0.168	0.166	-22.33	-1109.396	1
47190_7191	47190	7191	7.587	-3.715	0.124	0.132	-18.987	-294.222	1
47191_7191	47191	7191	21.535	-19.754	0.137	0.089	-21.114	-1187.3	1
47191_7192	47191	7192	7.587	-3.715	0.124	0.132	-17.628	-253.357	1
47192_7192	47192	7192	21.185	-17.005	-0.013	0.194	-20.254	-1198.259	1
47192_7193	47192	7193	7.457	-3.593	0.113	0.282	-16.554	-217.489	1
47193_7193	47193	7193	20.805	-23.2	-0.044	0.107	-20.924	-1238.573	1
47193_7194	47193	7194	6.439	3.772	-0.19	-0.369	-17.71	-202.123	1
47194_7194	47194	7194	20.192	-7.059	-0.074	0.654	-22.227	-1220.732	1
47194_7195	47194	7195	6.439	3.866	-0.167	-0.103	-19.376	-240.741	1
47195_7195	47195	7195	20.34	-13.543	-0.126	-0.644	-22.814	-1245.374	1
47195_7196	47195	7196	6.439	3.866	-0.173	-0.344	-21.106	-279.359	1
47196_7196	47196	7196	20.476	-9.843	-0.227	0.151	-24.004	-1210.14	1
47196_7197	47196	7197	7.079	4.087	-0.184	-0.026	-22.859	-324.141	1
47197_7197	47197	7197	20.542	-16.948	-0.265	0.058	-26.263	-1205.572	1
47197_7198	47197	7198	7.079	4.087	-0.184	-0.026	-24.882	-369.093	1
47198_7198	47198	7198	20.211	-14.386	-0.133	0.531	-28.727	-1135.654	1
47198_7199	47198	7199	7.079	4.567	-0.177	0.278	-27.313	-431.844	1
47199_7199	47199	7199	19.292	-22.606	-0.199	-0.364	-29.647	-1083.064	1
47199_7200	47199	7200	7.041	4.624	-0.184	0.038	-28.829	-471.568	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47200_7200	47200	7200	18.458	-20.075	0.167	-0.242	-30.61	-1002.15	1
47200_7201	47200	7201	7.368	5.513	-0.117	-0.186	-29.785	-536.084	1
47201_7201	47201	7201	17.121	-26.543	0.189	1.201	-26.81	-907.561	1
47201_7202	47201	7202	7.229	5.694	-0.11	1.016	-31.22	-614.037	1
47202_7202	47202	7202	14.932	-30.138	-0.114	0.124	-22.628	-705.246	1
47202_7203	47202	7203	7.255	6.472	-0.095	0.056	-32.049	-695.044	1
47203_7203	47203	7203	13.218	-36.167	0.009	0.903	-20.617	-479.074	1
47203_7204	47203	7204	-23.61	29.739	0.152	-0.969	35.861	-992.784	1
47204_7204	47204	7204	-44.861	-0.897	0.225	0.385	-28.792	-422.182	1
47204_7205	47204	7205	18.855	-19.613	0.68	0.199	-17.753	-424.268	1
47205_7205	47205	7205	-39.452	-4.762	0.049	0.867	-22.729	-562.043	1
47205_7206	47205	7206	24.911	-14.03	0.726	0.584	-17.734	-294.857	1
47206_7206	47206	7206	-35.139	-8.571	-0.02	-0.047	-19.736	-656.188	1
47206_7207	47206	7207	36.199	-8.548	0.7	0.318	-19.091	-210.196	1
47207_7207	47207	7207	-30.599	-8.927	0.31	0.226	-17.926	-730.772	1
47207_7208	47207	7208	42.929	-0.065	-0.931	-1.014	20.308	-187.724	1
47208_7208	47208	7208	-26.311	-13.209	0.223	0.075	-13.871	-811.205	1
47208_7209	47208	7209	42.929	-0.065	-0.931	-1.014	12.863	-187.201	1
47209_7209	47209	7209	-22.472	-17.953	0.106	0.979	-11.047	-862.605	1
47209_7210	47209	7210	42.93	-0.065	-0.877	-0.78	5.847	-186.68	1
47210_7210	47210	7210	-19.536	-16.55	0.347	0.014	-9.586	-885.067	1
47210_7211	47210	7211	42.93	0.622	-1.042	-1.039	-0.408	-190.412	1
47211_7211	47211	7211	-15.784	-8.19	-0.083	-0.504	-6.492	-921.756	1
47211_7212	47211	7212	42.93	0.622	-1.042	-1.039	-6.663	-194.145	1
47212_7212	47212	7212	-16.332	-12.227	-0.2	0.922	-7.123	-937.554	1
47212_7213	47212	7213	44.913	0.663	-0.982	-0.727	-12.201	-197.998	1
47213_7213	47213	7213	-17.289	-16.158	-0.26	-0.8	-8.912	-928.086	1
47213_7214	47213	7214	44.911	0.663	-1.057	-1.057	-18.544	-201.974	1
47214_7214	47214	7214	-18.768	-13.355	-0.045	-0.439	-11.499	-900.797	1
47214_7215	47214	7215	47.437	1.127	-1.087	-0.922	-26.903	-210.328	1
47215_7215	47215	7215	-21.406	-18.507	-0.149	-0.538	-13.862	-883.963	1
47215_7216	47215	7216	49.54	1.274	-1.093	-0.927	-35.269	-219.379	1
47216_7216	47216	7216	-24.917	-23.26	-0.268	0.373	-17.372	-838.041	1
47216_7217	47216	7217	43.161	7.229	-0.77	-0.487	-27.468	-233.813	1
47217_7217	47217	7217	-28.863	-23.858	0.129	1.119	-22.194	-762.436	1
47217_7218	47217	7218	30.6	11.647	-0.397	1.124	-22.251	-306.298	1
47218_7218	47218	7218	-33.048	-28.074	0.034	1.323	-24.399	-690.705	1
47218_7219	47218	7219	21.845	17.149	-0.391	1.261	-18.011	-419.255	1
47219_7219	47219	7219	-36.982	-31.888	0.312	-3.866	-27.547	-590.021	1
47219_7220	47219	7220	16.699	25.189	-0.523	-2.529	-14.432	-626.458	1
47220_7220	47220	7220	7.475	4.103	-0.132	0.047	-19.131	-274.978	1
47220_7221	47220	7221	6.084	-7.363	-0.015	0.16	-42.881	-824.818	1
47221_7221	47221	7221	10.285	-0.664	-0.076	-0.841	-25.004	-556.568	1
47221_7222	47221	7222	5.917	-7.134	-0.035	-1.359	-43.812	-734.763	1
47222_7222	47222	7222	13.69	-3.742	-0.119	0.452	-28.066	-790.347	1
47222_7223	47222	7223	5.978	-6.654	0.206	0.188	-41.371	-646.529	1
47223_7223	47223	7223	17.328	-10.064	-0.241	-1.299	-31.977	-996.822	1
47223_7224	47223	7224	5.908	-6.476	0.191	-0.732	-39.377	-568.213	1
47224_7224	47224	7224	20.219	-10.102	0.293	2.277	-36.317	-1112.73	1
47224_7225	47224	7225	5.933	-5.817	0.334	1.038	-36.723	-520.242	1
47225_7225	47225	7225	21.828	-14.929	0.2	-1.461	-34.826	-1204.437	1
47225_7226	47225	7226	5.981	-5.77	0.312	-0.575	-32.043	-433.84	1
47226_7226	47226	7226	23.804	-15.156	0.343	2.23	-33.135	-1284.712	1
47226_7227	47226	7227	5.601	-5.496	0.337	0.911	-28.327	-369.853	1
47227_7227	47227	7227	24.739	-21.69	0.247	-2.078	-29.7	-1354.557	1
47227_7228	47227	7228	5.602	-5.496	0.318	-0.374	-24.639	-306.045	1
47228_7228	47228	7228	25.19	-20.284	0.191	2.871	-27.123	-1355.344	1
47228_7229	47228	7229	7.857	4.815	-0.007	0.698	-18.448	-297.862	1
47229_7229	47229	7229	25.482	-13.495	0.01	-2.667	-23.908	-1375.326	1
47229_7230	47229	7230	7.857	4.815	-0.04	-0.584	-18.917	-353.775	1
47230_7230	47230	7230	25.181	-12.142	-0.126	2.798	-22.895	-1316.57	1
47230_7231	47230	7231	8.555	5.154	-0.182	1.137	-20.967	-416.063	1
47231_7231	47231	7231	24.398	-19.188	-0.289	-2.23	-23.84	-1281.066	1
47231_7232	47231	7232	8.596	5.156	-0.217	-0.559	-23.588	-478.57	1
47232_7232	47232	7232	22.965	-19.268	0.56	2.951	-26.535	-1175.301	1
47232_7233	47232	7233	8.591	5.717	0.021	1.542	-23.523	-496.051	1
47233_7233	47233	7233	22.658	-20.846	0.5	1.342	-24.603	-1155.419	1
47233_7234	47233	7234	8.558	5.768	0.008	0.894	-23.471	-530.428	1
47234_7234	47234	7234	21.957	-23.785	0.421	0.123	-21.336	-1109.982	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47234_7235	47234	7235	8.495	5.86	-0.004	0.41	-23.508	-579.572	1
47235_7235	47235	7235	20.717	-27.814	0.301	-1.202	-17.977	-1015.955	1
47235_7236	47235	7236	8.431	5.951	-0.018	-0.282	-23.631	-613.268	1
47236_7236	47236	7236	19.684	-27.126	0.363	1.048	-16.679	-943.52	1
47236_7237	47236	7237	8.851	6.566	0.182	1.213	-21.147	-686.452	1
47237_7237	47237	7237	17.806	-31.939	0.416	-0.914	-12.658	-795.865	1
47237_7238	47237	7238	8.73	6.727	0.155	-0.429	-19.773	-750.421	1
47238_7238	47238	7238	15.348	-24.606	-1.102	-0.367	-7.38	-631.646	1
47238_7239	47238	7239	8.643	9.392	-0.281	1.531	-22.06	-838.223	1
47239_7239	47239	7239	13.323	-29.22	-1.071	-1.736	-16.162	-539.64	1
47239_7240	47239	7240	-27.318	25.415	0.817	-1.149	28.556	-1055.558	1
47240_7240	47240	7240	-47.602	-7.256	0.738	3.158	-37.142	-620.926	1
47240_7241	47240	7241	32.683	-14.283	0.665	1.271	-14.342	-448.421	1
47241_7241	47241	7241	-43.807	-11.135	0.785	1.101	-29.189	-693.451	1
47241_7242	47241	7242	40.675	-10.695	0.692	-0.048	-14.611	-337.711	1
47242_7242	47242	7242	-39.68	-15.958	0.718	-0.238	-20.877	-744.394	1
47242_7243	47242	7243	46.033	-8.833	0.691	-0.578	-11.804	-257.505	1
47243_7243	47243	7243	-35.717	-8.463	0.292	1.539	-14.467	-755.686	1
47243_7244	47243	7244	53.815	-1.473	0.739	0.99	-10.426	-208.434	1
47244_7244	47244	7244	-31.192	-13.397	0.407	-0.304	-10.1	-856.083	1
47244_7245	47244	7245	43.274	0.131	-0.254	-0.965	10.964	-205.933	1
47245_7245	47245	7245	-27.786	-15.733	-0.223	1.112	-4.836	-919.219	1
47245_7246	47245	7246	43.283	0.54	-0.674	-0.46	3.99	-211.458	1
47246_7246	47246	7246	-24.715	-8.932	-0.323	-1.268	-6.094	-979.165	1
47246_7247	47246	7247	45.351	0.628	-0.794	-0.994	-2.706	-216.504	1
47247_7247	47247	7247	-26.237	-10.526	0.1	1.907	-9.126	-983.941	1
47247_7248	47247	7248	46.208	1.017	-0.994	-0.189	-11.801	-225.977	1
47248_7248	47248	7248	-28.763	-16.305	0.126	-1.927	-9.145	-977.51	1
47248_7249	47248	7249	50.733	1.389	-1.217	-1.091	-22.898	-237.858	1
47249_7249	47249	7249	-32.657	-19.007	-0.774	0.706	-10.008	-922.604	1
47249_7250	47249	7250	55.515	2.651	-1.482	-0.06	-35.113	-256.93	1
47250_7250	47250	7250	-37.391	-24.346	-0.762	-1.461	-20.949	-857.848	1
47250_7251	47250	7251	39.64	11.199	-1.181	-0.491	-29.167	-324.077	1
47251_7251	47251	7251	-42.163	-16.448	0.513	1.581	-31.257	-759.233	1
47251_7252	47251	7252	33.897	12.221	0.99	2.691	-15.391	-410.95	1
47252_7252	47252	7252	-46.031	-20.828	0.699	-1.272	-29.227	-747.887	1
47252_7253	47252	7253	27.765	15.81	0.59	0.665	-2.76	-543.536	1
47253_7253	47253	7253	5.708	-11.13	0.722	-1.166	-19.128	-485.577	1
47253_7254	47253	7254	4.359	-11.861	2.874	-8.303	0.237	-895.014	1
47254_7254	47254	7254	8.067	-2.985	-0.693	0.156	-15.628	-539.28	1
47254_7255	47254	7255	4.913	-8.696	-1.932	0.462	-23.084	-793.742	1
47255_7255	47255	7255	10.249	-8.295	-0.863	-0.809	-27.673	-706.737	1
47255_7256	47255	7256	5.048	-8.582	-1.947	-0.944	-42.581	-707.364	1
47256_7256	47256	7256	12.86	-2.752	0.406	0.883	-40.526	-798.775	1
47256_7257	47256	7257	5.261	-6.415	-0.064	0.448	-43.223	-647.054	1
47257_7257	47257	7257	14.893	-6.448	0.425	-0.398	-39.528	-942.425	1
47257_7258	47257	7258	4.836	-6.264	-0.075	-0.169	-44.468	-599.842	1
47258_7258	47258	7258	16.382	-9.633	0.448	-1.181	-37.931	-1038.066	1
47258_7259	47258	7259	4.893	-6.22	-0.081	-0.489	-44.87	-568.131	1
47259_7259	47259	7259	17.471	-8.237	0.23	2.481	-36.434	-1094.716	1
47259_7260	47259	7260	4.953	-5.738	0.468	1.241	-41.248	-523.595	1
47260_7260	47260	7260	18.917	-11.793	0.189	-0.465	-35.679	-1194.854	1
47260_7261	47260	7261	4.995	-5.703	0.453	-0.018	-37.306	-474.488	1
47261_7261	47261	7261	20.332	-16.302	0.175	-1.737	-34.816	-1278.41	1
47261_7262	47261	7262	4.995	-5.703	0.447	-0.556	-33.701	-428.545	1
47262_7262	47262	7262	21.526	-14.535	0.338	1.558	-33.747	-1321.32	1
47262_7263	47262	7263	4.952	-5.441	0.349	0.744	-29.693	-365.516	1
47263_7263	47263	7263	25.285	-6.751	0.299	-1.157	-27.856	-1405.976	1
47263_7264	47263	7264	4.412	-5.41	0.343	-0.025	-26.022	-303.181	1
47264_7264	47264	7264	26.163	-6.07	0.1	2.841	-22.654	-1422.662	1
47264_7265	47264	7265	11.57	5.498	0.05	0.837	-15.281	-315.958	1
47265_7265	47265	7265	26.824	-12.833	-0.023	-2.273	-19.901	-1448.336	1
47265_7266	47265	7266	11.847	5.512	0.008	-0.314	-15.132	-378.417	1
47266_7266	47266	7266	27.114	-12.302	0.182	2.584	-18.428	-1400.391	1
47266_7267	47266	7267	11.846	5.828	-0.061	1.264	-15.836	-445.321	1
47267_7267	47267	7267	26.861	-18.639	0.042	-1.391	-14.992	-1365.956	1
47267_7268	47267	7268	12.11	5.85	-0.097	-0.085	-16.882	-513	1
47268_7268	47268	7268	25.969	-19.077	0.979	4.366	-13.357	-1266.982	1
47268_7269	47268	7269	12.118	6.418	0.196	2.339	-16.099	-538.717	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47269_7269	47269	7269	25.698	-20.958	0.89	1.583	-9.16	-1241.158	1
47269_7270	47269	7270	12.06	6.526	0.167	1.172	-14.463	-603.026	1
47270_7270	47270	7270	24.62	-25.468	0.758	-1.266	-0.313	-1149.547	1
47270_7271	47270	7271	12.238	6.755	0.139	-0.204	-12.858	-672.147	1
47271_7271	47271	7271	23.154	-26.692	1.234	2.32	6.824	-1018.341	1
47271_7272	47271	7272	12.11	7.472	0.936	2.256	-1.267	-767.04	1
47272_7272	47272	7272	20.916	-31.774	0.974	-1.379	17.931	-842.518	1
47272_7273	47272	7273	12.204	7.803	0.89	-0.936	10.046	-864.183	1
47273_7273	47273	7273	17.048	-22.818	-3.905	0.938	23.25	-618.37	1
47273_7274	47273	7274	11.801	11.003	-2.983	2.97	-5.98	-925.344	1
47274_7274	47274	7274	16.017	-25.224	-3.485	-0.666	0.366	-578.289	1
47274_7275	47274	7275	11.645	11.161	-3.012	0.883	-30.346	-1014.974	1
47275_7275	47275	7275	-46.115	-16.526	-3.377	-4.304	-32.302	-724.16	1
47275_7276	47275	7276	38.674	-12.977	-1.739	-3.728	-33.164	-464.967	1
47276_7276	47276	7276	-43.462	-9.425	1.396	2.113	-47.606	-721.71	1
47276_7277	47276	7277	42.224	-11.061	1.29	1.322	-31.123	-419.08	1
47277_7277	47277	7277	-41.551	-11.512	1.376	0.807	-39.61	-762.75	1
47277_7278	47277	7278	51.475	-8.544	1.456	0.571	-22.526	-315.406	1
47278_7278	47278	7278	-37.016	-17.245	1.226	-1.347	-21.689	-816.827	1
47278_7279	47278	7279	58.859	-7.027	1.453	-0.244	-11.912	-242.355	1
47279_7279	47279	7279	-32.97	-13.094	-0.441	1.957	-8.791	-813.667	1
47279_7280	47279	7280	56.994	-3.191	0.305	1.137	-12.107	-191.635	1
47280_7280	47280	7280	-28.679	-19.601	-0.326	-1.349	-11.676	-865.741	1
47280_7281	47280	7281	42.045	0.039	-0.073	-1.173	19.846	-181.243	1
47281_7281	47281	7281	-26.049	-19.24	0.364	0.916	-13.238	-837.758	1
47281_7282	47281	7282	46.81	0.675	-0.844	-0.039	11.473	-211.573	1
47282_7282	47282	7282	-25.384	-27.133	0.313	-1.184	-7.294	-840.723	1
47282_7283	47282	7283	50.029	0.98	-1.01	-0.63	0.906	-220.539	1
47283_7283	47283	7283	-33.535	-11.039	-0.555	1.27	-2.492	-781.925	1
47283_7284	47283	7284	53.92	3.17	-0.903	0.299	-7.709	-249.477	1
47284_7284	47284	7284	-38.775	-17.711	-0.596	-1.745	-9.844	-798.22	1
47284_7285	47284	7285	46.41	7.377	-0.947	-0.597	-13.542	-297.865	1
47285_7285	47285	7285	-44.006	-14.119	0.435	1.269	-18.174	-766.606	1
47285_7286	47285	7286	40.067	9.655	-0.159	0.985	-12.228	-370.771	1
47286_7286	47286	7286	-48.509	-18.784	0.557	0.133	-16.155	-778.768	1
47286_7287	47286	7287	32.952	12.028	-0.18	0.312	-9.985	-450.239	1
47287_7287	47287	7287	-52.301	-22.797	0.706	-1.394	-12.986	-761.131	1
47287_7288	47287	7288	28.662	14.401	-0.223	-0.717	-8.831	-556.487	1
47288_7288	47288	7288	2.438	-2.562	-0.552	0.126	-1.832	-499.052	1
47288_7289	47288	7289	1.442	-9.477	-0.287	0.627	-17.156	-919.87	1
47289_7289	47289	7289	2.667	-8.355	-0.633	-1.749	-10.827	-723.001	1
47289_7290	47289	7290	1.533	-9.364	-0.288	-2.171	-20.433	-816.28	1
47290_7290	47290	7290	3.408	-6.713	0.036	0.811	-19.798	-860.53	1
47290_7291	47290	7291	1.836	-7.176	-0.164	0.711	-21.799	-763.473	1
47291_7291	47291	7291	3.694	-10.406	-0.014	0.517	-20.834	-976.338	1
47291_7292	47291	7292	1.95	-7.127	-0.166	0.411	-23.255	-701.287	1
47292_7292	47292	7292	4.071	-15.11	-0.091	-3.441	-22.761	-1079.567	1
47292_7293	47292	7293	1.996	-7.012	-0.178	-2.131	-24.201	-670.9	1
47293_7293	47293	7293	4.396	-6.854	0.355	2.016	-23.916	-1114.42	1
47293_7294	47293	7294	2.088	-4.835	0.181	1.24	-22.945	-636.465	1
47294_7294	47294	7294	4.891	4.844	0.366	0.233	-24.078	-1246.167	1
47294_7295	47294	7295	2.068	-4.802	0.177	0.152	-21.516	-595.003	1
47295_7295	47295	7295	4.922	-0.096	0.327	-2.653	-21.171	-1373.478	1
47295_7296	47295	7296	2.069	-4.802	0.172	-1.166	-20.299	-561.686	1
47296_7296	47296	7296	4.925	3.771	0.241	2.212	-19.233	-1450.59	1
47296_7297	47296	7297	2.07	-4.19	0.204	0.854	-18.064	-515.722	1
47297_7297	47297	7297	4.914	-2.409	0.252	-1.846	-16.715	-1597.007	1
47297_7298	47297	7298	1.959	-4.145	0.199	-0.501	-16.002	-468.283	1
47298_7298	47298	7298	4.891	0.646	0.19	3.595	-13.504	-1670.323	1
47298_7299	47298	7299	1.96	-3.642	0.204	1.055	-13.711	-427.438	1
47299_7299	47299	7299	4.866	-5.523	0.166	-2.695	-10.966	-1772.784	1
47299_7300	47299	7300	1.961	-3.642	0.197	-0.505	-11.231	-381.526	1
47300_7300	47300	7300	4.835	-2.078	0.238	3.22	-8.332	-1799.286	1
47300_7301	47300	7301	1.962	-3.282	0.203	0.823	-8.76	-341.573	1
47301_7301	47301	7301	4.867	-23.734	0.232	-2.676	-5.807	-1864.534	1
47301_7302	47301	7302	1.891	-3.274	0.197	-0.284	-6.533	-303.436	1
47302_7302	47302	7302	4.837	-19.767	0.149	3.266	-2.811	-1855.63	1
47302_7303	47302	7303	1.891	-3.075	0.178	0.795	-4.263	-264.158	1
47303_7303	47303	7303	4.793	-26.329	0.122	-3.313	-0.681	-1889.741	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47303_7304	47303	7304	1.892	-3.075	0.171	-0.191	-2.379	-230.175	1
47304_7304	47304	7304	4.731	-21.982	0.072	3.339	0.748	-1842.022	1
47304_7305	47304	7305	1.891	-2.922	0.098	0.724	-1.249	-196.447	1
47305_7305	47305	7305	4.626	-28.12	0.048	-2.767	1.553	-1834.18	1
47305_7306	47305	7306	1.796	-2.916	0.092	0.028	-0.175	-160.661	1
47306_7306	47306	7306	4.441	-25.643	-0.052	3.196	1.923	-1728.128	1
47306_7307	47306	7307	1.784	-2.756	-0.022	0.645	-0.437	-127.915	1
47307_7307	47307	7307	4.158	-32.712	-0.063	-2.97	1.113	-1632.587	1
47307_7308	47307	7308	1.713	-2.749	-0.027	0.133	-0.771	-95.029	1
47308_7308	47308	7308	3.734	-33.76	0.293	2.462	0.248	-1411.058	1
47308_7309	47308	7309	1.611	-2.823	1.129	0.515	12.796	-61.069	1
47309_7309	47309	7309	3.474	-46.886	0.245	-2.057	3.327	-1122.957	1
47309_7310	47309	7310	0.894	-2.663	0.801	0.259	18.48	-28.348	1
47310_7310	47310	7310	2.748	-53.173	-0.365	0.17	4.884	-693.862	1
47310_7311	47310	7311	-4.721	17.707	1.371	-0.082	0	-28.275	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
7000_7000	7000	7000	2.7855	21.3465	-0.2115	-0.0945	0	9.7605	1
7000_7001	7000	7001	63.3375	-75.3675	0.0885	0.063	0.9345	486.51	1
7001_7001	7001	7001	3.366	-4.5195	0.2565	0.1365	2.7	27.231	1
7001_7002	7001	7002	102.849	-64.251	0.1185	0.0735	2.361	787.623	1
7002_7002	7002	7002	6.9705	-4.9575	-0.0825	0.159	4.902	55.7145	1
7002_7003	7002	7003	142.308	-51.9555	-0.0885	-0.0225	1.6215	1087.485	1
7003_7003	7003	7003	11.9265	-5.0145	-0.0735	0.18	3.813	93.7935	1
7003_7004	7003	7004	164.3595	-40.0965	-0.105	0.207	0.7635	1255.808	1
7004_7004	7004	7004	16.9095	-4.947	0.018	0.117	2.9145	131.5455	1
7004_7005	7004	7005	183.6915	-42.279	0.003	-0.1785	1.0365	1403.024	1
7005_7005	7005	7005	21.819	-4.947	0.018	0.183	3.1275	168.753	1
7005_7006	7005	7006	189.8265	-32.352	0.0015	0.3495	1.299	1449.89	1
7006_7006	7006	7006	26.733	-5.0295	0.054	0.0885	3.345	205.9845	1
7006_7007	7006	7007	200.0535	-38.0115	0.0225	-0.1755	1.815	1527.54	1
7007_7007	7007	7007	31.7265	-5.0295	0.054	0.1845	3.9945	243.831	1
7007_7008	7007	7008	199.4175	-28.7025	0.024	0.3915	2.379	1522.71	1
7008_7008	7008	7008	36.7245	-5.103	0.0585	0.048	4.638	281.775	1
7008_7009	7008	7009	204.504	-34.911	0.051	-0.1905	3.2985	1561.181	1
7009_7009	7009	7009	41.79	-5.103	0.0585	0.1725	5.343	320.157	1
7009_7010	7009	7010	199.2885	-25.704	0.0525	0.3795	4.209	1521.533	1
7010_7010	7010	7010	46.8585	-5.2185	0.057	0.003	6.051	358.566	1
7010_7011	7010	7011	199.6845	-31.4595	0.0405	-0.192	4.962	1524.399	1
7011_7011	7011	7011	52.065	-5.253	0.057	0.1485	6.672	398.37	1
7011_7012	7011	7012	190.9155	-1.821	0.042	0.345	5.2275	1458.059	1
7012_7012	7012	7012	57.2805	-5.5215	0.057	-0.0585	7.3605	437.8965	1
7012_7013	7012	7013	187.173	-7.4115	0.087	-0.2415	6.5235	1429.56	1
7013_7013	7013	7013	62.7615	-5.5215	0.0585	0.1275	8.0595	479.439	1
7013_7014	7013	7014	172.7985	2.553	0.0825	0.303	7.6755	1320.459	1
7014_7014	7014	7014	68.2485	-5.7675	0.063	-0.036	8.76	521.0145	1
7014_7015	7014	7015	156.183	1.899	0.072	-0.0915	8.7645	1194.246	1
7015_7015	7015	7015	82.647	-5.556	0.0435	-0.0075	6.642	591.4305	1
7015_7016	7015	7016	150.0705	-11.325	0.051	0.045	6.033	1105.727	1
7016_7016	7016	7016	84.978	-6.2295	0.0225	-0.102	6.9975	624.1245	1
7016_7017	7016	7017	120.6975	-12.312	-0.0165	-0.1305	5.4825	988.578	1
7017_7017	7017	7017	83.289	-6.0945	0.0225	-0.099	7.209	688.413	1
7017_7018	7017	7018	76.9455	-2.79	-0.0105	-0.0375	4.836	784.434	1
7018_7018	7018	7018	75.9525	-6.7335	0.0045	-0.2415	7.4535	767.148	1
7018_7019	7018	7019	42.534	0.9675	-0.006	-0.1455	4.3305	554.43	1
7019_7019	7019	7019	66.8175	-6.8505	0.0045	-0.1455	7.5465	853.479	1
7019_7020	7019	7020	20.976	-1.719	0.0165	-0.066	3.1905	345.8205	1
7020_7020	7020	7020	64.6125	37.308	-0.1125	-0.0465	2.5785	557.937	1
7020_7021	7020	7021	111.9225	-35.3175	-0.0165	-0.1005	5.6505	480.258	1
7021_7021	7021	7021	40.422	29.097	-0.0945	-0.0105	2.07	360.4185	1
7021_7022	7021	7022	117.6285	-30.3435	-0.0045	-0.0465	3.921	539.343	1
7022_7022	7022	7022	22.233	22.332	-0.096	0.0135	2.166	260.127	1
7022_7023	7022	7023	120.6735	-32.5125	0.0165	0.0195	3.234	621.168	1
7023_7023	7023	7023	7.7565	1.635	-0.0705	-0.0465	3.5865	135.9675	1
7023_7024	7023	7024	125.298	-32.328	-0.0465	-0.0795	2.484	683.1435	1
7024_7024	7024	7024	6.558	1.5855	-0.066	-0.0315	2.9175	123.2385	1
7024_7025	7024	7025	126.4665	-25.485	-0.039	-0.003	1.8405	718.4715	1
7025_7025	7025	7025	5.373	1.5855	-0.066	-0.0315	2.3925	115.2975	1
7025_7026	7025	7026	124.674	-18.0645	-0.0285	0.003	1.3365	727.2135	1
7026_7026	7026	7026	4.2255	1.47	-0.0585	-0.045	1.7625	99.87	1
7026_7027	7026	7027	126.513	-23.184	-0.0315	-0.0705	0.9885	751.4115	1
7027_7027	7027	7027	3.405	1.443	-0.057	-0.045	1.395	92.3385	1
7027_7028	7027	7028	126.6075	-17.574	-0.021	-0.0855	0.7635	760.1445	1
7028_7028	7028	7028	2.607	1.422	-0.0525	-0.03	1.047	85.38	1
7028_7029	7028	7029	124.5585	-27.687	0.0315	0.075	0.726	745.0215	1
7029_7029	7029	7029	2.3235	-0.7785	0.012	0.015	-0.645	-43.113	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7029_7030	7029	7030	121.9305	-22.4775	0.042	0.0735	0.9855	718.482	1
7030_7030	7030	7030	2.784	-0.8415	0.012	0.0255	-0.6075	-43.1355	1
7030_7031	7030	7031	122.595	-25.416	0.0375	-0.003	1.3575	706.8315	1
7031_7031	7031	7031	3.471	-0.9855	0.0165	0.0285	-0.546	-45.36	1
7031_7032	7031	7032	120.102	-18.564	0.0465	0.009	1.8795	668.568	1
7032_7032	7032	7032	4.2405	-1.065	0.018	0.0255	-0.4005	-43.557	1
7032_7033	7032	7033	114.069	-12.402	0.054	0.0855	2.5125	603.774	1
7033_7033	7033	7033	5.0715	-1.1475	0.0525	0.0285	-0.2205	-40.4895	1
7033_7034	7033	7034	109.3785	-12.3075	0.006	0.0525	2.8125	546.369	1
7034_7034	7034	7034	19.104	-25.293	0.096	-0.018	1.5285	236.901	1
7034_7035	7034	7035	102.144	-15.717	0.039	-0.0045	3.732	451.3035	1
7035_7035	7035	7035	35.4135	-29.1195	0.1275	0.084	2.5005	369.363	1
7035_7036	7035	7036	92.799	-11.0925	0.063	0.108	6.162	364.776	1
7036_7036	7036	7036	77.976	40.401	0.0105	-0.2865	-5.007	885.3705	1
7036_7037	7036	7037	22.4655	-51.8865	0.012	0.1125	3.0705	493.7985	1
7037_7037	7037	7037	66.462	31.881	-0.006	-0.099	-4.8165	580.899	1
7037_7038	7037	7038	51.5025	-42.696	0	0.102	3.5145	697.0395	1
7038_7038	7038	7038	54.207	24.1155	-0.003	-0.198	-4.569	371.472	1
7038_7039	7038	7039	86.3535	-37.7835	0.0285	0.018	4.1805	871.719	1
7039_7039	7039	7039	56.382	7.446	-0.0105	0.1185	4.758	562.7355	1
7039_7040	7039	7040	109.572	-28.11	0.0345	0.1485	4.8	945.4215	1
7040_7040	7040	7040	55.2495	6.3975	-0.0165	-0.0135	4.641	494.649	1
7040_7041	7040	7041	123.051	-32.271	-0.015	-0.09	4.797	1018.907	1
7041_7041	7041	7041	59.154	6.3285	-0.006	0.036	2.1225	423.5325	1
7041_7042	7041	7042	147.1755	-18.867	0	0.0645	2.3445	996.5385	1
7042_7042	7042	7042	49.47	5.6595	-0.012	-0.0225	2.028	364.05	1
7042_7043	7042	7043	159.1815	-23.778	-0.018	-0.066	2.196	1066.844	1
7043_7043	7043	7043	42.8175	5.5755	-0.0105	0.024	1.866	320.082	1
7043_7044	7043	7044	161.4465	-30.9735	-0.006	0.0885	2.1375	1064.897	1
7044_7044	7044	7044	36.24	5.3505	-0.009	-0.0225	1.731	279.3645	1
7044_7045	7044	7045	171.36	-36.4125	-0.003	-0.024	2.085	1120.973	1
7045_7045	7045	7045	29.937	5.2725	-0.0075	-0.0075	1.6125	237.8085	1
7045_7046	7045	7046	168.4065	-26.238	0	0.048	2.061	1100.906	1
7046_7046	7046	7046	33.2775	-5.7585	0.015	0.003	1.6635	216.7845	1
7046_7047	7046	7047	172.833	-31.9755	0.006	-0.075	2.103	1127.201	1
7047_7047	7047	7047	40.116	-5.799	0.015	0.0405	1.854	259.5915	1
7047_7048	7047	7048	165.123	-21.9855	0.009	0.0795	2.178	1080.968	1
7048_7048	7048	7048	46.9995	-5.9145	0.015	-0.0075	2.0475	302.841	1
7048_7049	7048	7049	163.9305	-27.18	0.0165	-0.0435	2.31	1074.527	1
7049_7049	7049	7049	54.0105	-5.9235	0.015	0.018	2.232	345.5955	1
7049_7050	7049	7050	152.5125	-17.4795	0.018	0.033	2.445	1004.519	1
7050_7050	7050	7050	61.0455	-6.258	0.018	-0.03	2.4195	389.2755	1
7050_7051	7050	7051	144.4245	-20.0235	0.012	-0.0555	2.4795	950.8995	1
7051_7051	7051	7051	67.314	-6.1785	0.021	0.0105	3.153	466.212	1
7051_7052	7051	7052	123.2115	-12.3045	0.0195	0.066	2.9655	915.111	1
7052_7052	7052	7052	70.632	-6.549	0.006	-0.1035	3.3285	500.6175	1
7052_7053	7052	7053	101.7855	-13.542	-0.0225	-0.1335	2.553	842.466	1
7053_7053	7053	7053	64.6995	-6.648	0.009	-0.099	4.659	594.309	1
7053_7054	7053	7054	58.9185	-4.023	-0.0195	-0.0195	2.925	721.6695	1
7054_7054	7054	7054	59.964	-7.194	0.0165	-0.234	4.7355	679.3635	1
7054_7055	7054	7055	31.8465	-0.045	0	-0.141	2.709	517.5315	1
7055_7055	7055	7055	59.754	-30.5265	-0.0135	0.3885	-4.119	542.6655	1
7055_7056	7055	7056	26.736	-4.032	-0.009	0.15	-0.786	201.015	1
7056_7056	7056	7056	52.4745	34.881	-0.0915	-0.078	2.175	513.4875	1
7056_7057	7056	7057	106.137	-44.064	-0.0045	-0.1905	3.3525	522.447	1
7057_7057	7057	7057	27.6975	27.5475	-0.0855	-0.0285	1.809	336.615	1
7057_7058	7057	7058	113.136	-38.3415	0.0045	-0.087	2.6325	610.077	1
7058_7058	7058	7058	11.5245	21.342	-0.087	0.009	1.743	239.526	1
7058_7059	7058	7059	117.1635	-32.0355	0.0135	0.0525	2.3865	673.524	1
7059_7059	7059	7059	7.6875	1.392	-0.0465	-0.111	2.5095	126.7455	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7059_7060	7059	7060	122.28	-32.01	-0.0345	-0.252	1.8435	743.301	1
7060_7060	7060	7060	6.738	1.3455	-0.0435	-0.078	2.07	115.209	1
7060_7061	7060	7061	124.029	-25.0755	-0.03	-0.066	1.3665	783.9585	1
7061_7061	7061	7061	5.8095	1.3455	-0.042	-0.0525	1.725	108.159	1
7061_7062	7061	7062	122.8245	-17.5875	-0.0255	0.12	0.9735	795.2715	1
7062_7062	7062	7062	6.105	-1.3305	0.0405	0.066	0.048	77.7765	1
7062_7063	7062	7063	124.881	-23.0535	-0.0225	-0.2355	0.7365	822.576	1
7063_7063	7063	7063	6.795	-1.3305	0.0405	0.0915	0.2895	83.007	1
7063_7064	7063	7064	125.2395	-17.448	-0.0165	0.033	0.5745	833.2185	1
7064_7064	7064	7064	7.482	-1.3305	0.0405	0.09	0.5355	88.2375	1
7064_7065	7064	7065	124.3395	-27.9045	0.0255	0.0855	0.642	821.9685	1
7065_7065	7065	7065	8.1795	-1.374	0.0435	0.096	0.795	97.3455	1
7065_7066	7065	7066	121.995	-22.7025	0.033	0.1095	0.8655	793.728	1
7066_7066	7066	7066	8.892	-1.389	0.045	0.0795	1.0545	102.753	1
7066_7067	7066	7067	122.8815	-25.9185	0.0345	0.0585	1.227	781.6725	1
7067_7067	7067	7067	9.873	-1.434	0.0465	0.084	1.455	114.204	1
7067_7068	7067	7068	120.828	-19.002	0.0405	0.0765	1.686	740.526	1
7068_7068	7068	7068	10.863	-1.4805	0.0495	0.0885	1.8885	126.2745	1
7068_7069	7068	7069	115.4505	-12.765	0.048	0.1035	2.235	670.623	1
7069_7069	7069	7069	11.8875	-1.569	0.0675	0.039	2.2815	134.043	1
7069_7070	7069	7070	111.2865	-12.7635	0.0045	-0.0255	2.4645	608.088	1
7070_7070	7070	7070	12.936	-1.569	0.0675	0.0735	2.8005	142.008	1
7070_7071	7070	7071	104.1495	-7.0905	0.012	0.1245	2.8395	524.64	1
7071_7071	7071	7071	27.5835	-28.8555	0.1005	0.0675	1.7145	342.9435	1
7071_7072	7071	7072	95.3805	-11.136	0.042	0.1425	4.554	397.2105	1
7072_7072	7072	7072	65.061	45.7065	0.0255	-0.336	-4.104	767.778	1
7072_7073	7072	7073	24.978	-52.0215	0	0.1365	2.5845	523.8165	1
7073_7073	7073	7073	52.008	6.822	-0.0135	0.195	4.476	765.8955	1
7073_7074	7073	7074	53.9055	-42.513	-0.012	0.123	2.7735	734.334	1
7074_7074	7074	7074	59.2095	6.4215	-0.003	0.111	4.308	684.912	1
7074_7075	7074	7075	88.3695	-37.4145	0.0285	0.0315	3.333	916.1205	1
7075_7075	7075	7075	71.289	6.2085	-0.0015	0.096	3.114	573.357	1
7075_7076	7075	7076	123.0555	-27.4065	0.024	0.12	2.853	941.3835	1
7076_7076	7076	7076	71.259	5.6325	-0.015	0.0135	3.096	516.3975	1
7076_7077	7076	7077	138.867	-31.9995	-0.0195	-0.03	2.7735	1021.896	1
7077_7077	7077	7077	63.396	5.6895	-0.021	0.0585	4.269	486.072	1
7077_7078	7077	7078	138.5175	-37.737	-0.003	0.1245	4.017	1101.044	1
7078_7078	7078	7078	56.5035	5.5515	-0.024	-0.0315	3.9795	436.1025	1
7078_7079	7078	7079	152.304	-42.0945	-0.024	-0.042	3.744	1193.466	1
7079_7079	7079	7079	51.198	5.466	-0.0225	0.0285	3.696	392.6895	1
7079_7080	7079	7080	155.9955	-32.4735	-0.021	0.1335	3.4755	1213.806	1
7080_7080	7080	7080	45.9315	5.2575	-0.021	-0.057	3.4005	348.6225	1
7080_7081	7080	7081	165.2745	-38.1735	0	-0.072	3.4335	1276.379	1
7081_7081	7081	7081	40.836	5.2575	-0.021	-0.0045	3.162	311.6805	1
7081_7082	7081	7082	164.364	-28.6425	0.003	0.135	3.4215	1267.176	1
7082_7082	7082	7082	35.826	5.0775	-0.0225	-0.0735	2.8665	268.416	1
7082_7083	7082	7083	169.551	-34.179	0.0015	-0.0855	3.3885	1304.511	1
7083_7083	7083	7083	31.425	-4.98	0.027	0.069	2.52	237.1335	1
7083_7084	7083	7084	163.6155	-5.6685	0	0.09	3.4125	1261.682	1
7084_7084	7084	7084	36.63	-5.0745	0.027	0.0045	2.868	276.5895	1
7084_7085	7084	7085	164.3835	-12.4335	0.0075	-0.126	3.5055	1267.08	1
7085_7085	7085	7085	41.58	-5.1195	0.027	0.0525	3.1875	314.6325	1
7085_7086	7085	7086	154.956	-2.469	0.0105	0.072	3.6285	1200.662	1
7086_7086	7086	7086	46.557	-5.2905	0.03	-0.063	3.504	353.1345	1
7086_7087	7086	7087	151.326	-8.637	0.0255	-0.2355	3.9105	1177.994	1
7087_7087	7087	7087	51.696	-5.2995	0.0315	0.0615	3.843	390.8505	1
7087_7088	7087	7088	138.6585	-17.2545	0.03	0.1455	4.0065	1097.942	1
7088_7088	7088	7088	56.8455	-5.4945	0.027	-0.0795	4.188	429.888	1
7088_7089	7088	7089	129.9855	-19.4325	0.024	-0.1545	4.098	1033.659	1
7089_7089	7089	7089	62.2905	-5.4195	0.024	0.0225	4.083	502.392	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7089_7090	7089	7090	113.934	-12.699	0.0255	0.1245	3.771	999.831	1
7090_7090	7090	7090	64.7055	-5.8215	0.012	-0.129	4.281	534.3825	1
7090_7091	7090	7091	93.0135	-13.896	-0.021	-0.177	3.309	912.2355	1
7091_7091	7091	7091	63.27	-5.787	0.015	-0.129	5.589	596.679	1
7091_7092	7091	7092	57.4515	-3.9285	-0.015	-0.0525	3.6105	734.565	1
7092_7092	7092	7092	57.9525	-6.099	0.0255	-0.228	5.796	668.448	1
7092_7093	7092	7093	30.417	-0.0645	0	-0.141	3.3495	519.7095	1
7093_7093	7093	7093	50.9325	-6.5955	0.0255	-0.2115	6.0585	754.029	1
7093_7094	7093	7094	20.8515	-4.5105	-0.0045	0.126	-0.2985	208.515	1
7094_7094	7094	7094	49.5645	34.1535	-0.1095	-0.0675	2.4855	512.3265	1
7094_7095	7094	7095	103.8015	-35.37	-0.0225	-0.171	4.305	497.1735	1
7095_7095	7095	7095	24.201	26.991	-0.132	-0.039	2.5905	344.4435	1
7095_7096	7095	7096	107.0535	-38.481	0.003	-0.102	3.8835	626.274	1
7096_7096	7096	7096	10.3155	1.236	-0.09	-0.0195	4.299	127.8165	1
7096_7097	7096	7097	110.4495	-32.0175	0.0165	0.0555	3.516	690.9495	1
7097_7097	7097	7097	9.549	1.116	-0.069	-0.0945	3.4725	116.2155	1
7097_7098	7097	7098	115.0155	-32.2335	-0.06	-0.2655	2.661	763.401	1
7098_7098	7098	7098	8.8335	1.11	-0.0675	-0.066	2.904	109.5015	1
7098_7099	7098	7099	116.4	-25.1565	-0.0555	-0.0705	1.8945	805.236	1
7099_7099	7099	7099	8.1405	1.0725	-0.0645	-0.039	2.2995	99.864	1
7099_7100	7099	7100	114.9795	-17.505	-0.048	0.132	1.2495	815.814	1
7100_7100	7100	7100	7.452	1.089	-0.0675	-0.0735	1.7835	94.038	1
7100_7101	7100	7101	116.9145	-23.4825	-0.0405	-0.0765	0.8715	845.151	1
7101_7101	7101	7101	6.9435	1.02	-0.0615	-0.039	1.335	83.865	1
7101_7102	7101	7102	117.2445	-17.7975	-0.0315	0.255	0.618	856.9395	1
7102_7102	7102	7102	6.453	1.02	-0.063	-0.0915	0.9675	79.7055	1
7102_7103	7102	7103	116.1525	-27.9855	0.045	-0.2025	0.9135	845.976	1
7103_7103	7103	7103	5.961	1.02	-0.0615	-0.0675	0.5895	75.546	1
7103_7104	7103	7104	113.9595	-22.7115	0.0525	0.0765	1.305	816.834	1
7104_7104	7104	7104	6.291	-1.278	0.0585	0.063	1.9515	105.249	1
7104_7105	7104	7105	115.0245	-26.3115	0.063	-0.0675	1.9935	806.385	1
7105_7105	7105	7105	7.113	-1.278	0.06	0.0915	2.421	112.194	1
7105_7106	7105	7106	113.2905	-19.2255	0.069	0.1395	2.8065	764.6085	1
7106_7106	7106	7106	7.941	-1.3515	0.0645	0.096	3.0555	126.183	1
7106_7107	7106	7107	108.3795	-12.855	0.0795	0.141	3.7635	692.133	1
7107_7107	7107	7107	8.8095	-1.428	0.09	0.054	3.573	133.521	1
7107_7108	7107	7108	104.6805	-13.0005	-0.0015	0.0465	4.116	627.627	1
7108_7108	7108	7108	9.699	-1.476	0.093	0.057	4.422	146.1105	1
7108_7109	7108	7109	97.986	-15.969	0.0345	0.066	5.2515	512.5515	1
7109_7109	7109	7109	24.7425	-27.9855	0.1185	0.0795	2.211	335.025	1
7109_7110	7109	7110	92.0415	-10.986	0.045	0.141	5.76	396.195	1
7110_7110	7110	7110	63.339	42.309	0.042	-0.396	-6.375	759.5595	1
7110_7111	7110	7111	24.345	-51.6495	-0.006	0.108	3.7335	533.028	1
7111_7111	7111	7111	51.492	30.1515	0.024	-0.081	-5.901	475.6575	1
7111_7112	7111	7112	52.2975	-41.82	-0.0195	0.1455	4.0185	742.035	1
7112_7112	7112	7112	57.126	6.6915	-0.0225	0.1485	5.9415	688.473	1
7112_7113	7112	7113	85.4115	-36.813	0.0105	0.0735	4.5045	921.573	1
7113_7113	7113	7113	63.3555	6.57	-0.0165	0.117	4.467	602.4165	1
7113_7114	7113	7114	107.9085	-26.517	0.0105	0.144	3.906	985.326	1
7114_7114	7114	7114	63.072	6.1545	-0.027	0.0435	4.269	541.056	1
7114_7115	7114	7115	120.4485	-31.209	-0.0285	0.003	3.7965	1058.706	1
7115_7115	7115	7115	66.6345	6.213	-0.0225	0.024	3.3675	454.572	1
7115_7116	7115	7116	141.0255	-18.492	-0.0195	0.042	3.0165	997.365	1
7116_7116	7116	7116	58.557	5.8995	-0.024	-0.0255	3.0585	400.0815	1
7116_7117	7116	7117	151.485	-23.7705	-0.03	-0.0525	2.7585	1062.396	1
7117_7117	7117	7117	52.3965	5.865	-0.024	0.0135	2.7825	358.9815	1
7117_7118	7117	7118	153.096	-13.5075	-0.0285	0.069	2.4705	1068.432	1
7118_7118	7118	7118	46.2855	5.7105	-0.0225	-0.0285	2.508	317.718	1
7118_7119	7118	7119	161.664	-36.8835	-0.0135	0.0075	2.274	1111.313	1
7119_7119	7119	7119	40.3275	5.664	-0.0225	-0.0285	2.25	277.431	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7119_7120	7119	7120	159.096	-9.7215	-0.015	0	2.136	1097.973	1
7120_7120	7120	7120	34.4385	5.559	-0.021	-0.0645	1.983	236.4045	1
7120_7121	7120	7121	164.325	-15.9915	-0.0135	-0.1365	1.9635	1128.348	1
7121_7121	7121	7121	28.248	5.4495	-0.021	-0.0225	1.6965	192.765	1
7121_7122	7121	7122	156.606	-4.8855	-0.009	0.102	1.8375	1077.897	1
7122_7122	7122	7122	23.013	-3.432	0.009	0.003	1.2975	164.7795	1
7122_7123	7122	7123	156.1395	-11.973	-0.0075	-0.09	1.746	1076.054	1
7123_7123	7123	7123	26.6325	-3.5205	0.009	0.0255	1.4145	191.979	1
7123_7124	7123	7124	144.351	-1.626	-0.0045	0.0345	1.692	1003.62	1
7124_7124	7124	7124	30.339	-3.7065	0.009	-0.027	1.5225	218.8485	1
7124_7125	7124	7125	139.233	-8.073	0.003	-0.147	1.7235	975.5145	1
7125_7125	7125	7125	34.251	-3.741	0.0105	0.0285	1.635	245.343	1
7125_7126	7125	7126	124.2195	-15.558	0.009	0.081	1.7445	893.8125	1
7126_7126	7126	7126	38.217	-4.107	0.0075	-0.03	1.752	275.754	1
7126_7127	7126	7127	114.8565	-18.0555	0.015	-0.0675	1.851	832.9905	1
7127_7127	7127	7127	44.982	-4.122	0.0075	0	1.6605	317.832	1
7127_7128	7127	7128	104.0625	-11.1885	0.0165	0.0285	1.7625	770.181	1
7128_7128	7128	7128	47.196	-4.8045	0.012	-0.0585	1.7235	340.548	1
7128_7129	7128	7129	83.9235	-13.1355	-0.003	-0.087	1.668	699.5145	1
7129_7129	7129	7129	44.937	-14.1015	0.0075	0.174	-1.02	261.3015	1
7129_7130	7129	7130	44.1915	-3.309	0.0075	0.0045	2.04	579.693	1
7130_7130	7130	7130	56.7765	-21.384	0.0735	0.0945	-1.8015	435.1455	1
7130_7131	7130	7131	25.5345	-5.289	0.024	0.069	1.023	224.619	1
7131_7131	7131	7131	68.334	-31.485	0.078	0.21	-1.194	650.838	1
7131_7132	7131	7132	24.924	-4.863	0.024	0.045	1.2945	271.14	1
7132_7132	7132	7132	57.246	34.662	-0.1185	0.0105	2.2665	523.035	1
7132_7133	7132	7133	98.184	-37.6185	0.0615	0.057	1.161	402.864	1
7133_7133	7133	7133	31.896	26.37	-0.0975	-0.015	1.173	306.192	1
7133_7134	7133	7134	108.0495	-39.96	0.0795	0.0015	1.3095	511.752	1
7134_7134	7134	7134	14.928	21.8955	-0.093	-0.078	0.6255	199.248	1
7134_7135	7134	7135	113.3445	-33.228	0.0975	-0.1245	1.929	578.568	1
7135_7135	7135	7135	8.4015	-0.2865	-0.027	-0.0285	1.4115	61.221	1
7135_7136	7135	7136	119.6895	-32.754	-0.0495	-0.0975	1.4265	651.015	1
7136_7136	7136	7136	8.613	-0.2865	-0.027	-0.0195	1.1985	62.664	1
7136_7137	7136	7137	121.791	-25.4085	-0.048	0.003	0.948	691.56	1
7137_7137	7137	7137	8.826	-0.291	-0.0255	-0.018	0.9585	61.455	1
7137_7138	7137	7138	120.24	-17.4585	-0.0435	0.0105	0.534	701.4075	1
7138_7138	7138	7138	9.0405	-0.3195	-0.0195	-0.0345	0.7575	62.9205	1
7138_7139	7138	7139	122.814	-24.162	-0.0135	-0.132	0.42	731.2245	1
7139_7139	7139	7139	9.2175	-0.3195	-0.0195	-0.021	0.639	64.128	1
7139_7140	7139	7140	123.3465	-18.2505	-0.0105	0.0165	0.357	743.9985	1
7140_7140	7140	7140	9.3945	-0.3195	-0.0195	-0.021	0.5205	65.3355	1
7140_7141	7140	7141	120.9795	-26.8845	0.018	0.0495	0.564	737.061	1
7141_7141	7141	7141	9.5715	-0.3195	-0.0195	-0.021	0.4005	66.543	1
7141_7142	7141	7142	117.8145	-21.4005	0.024	0.0525	0.747	709.209	1
7142_7142	7142	7142	9.7485	-0.333	-0.0195	-0.036	0.282	67.749	1
7142_7143	7142	7143	118.3935	-25.3395	0.0255	-0.0465	1.029	700.5195	1
7143_7143	7143	7143	10.002	-0.345	-0.021	-0.027	0.1035	72.15	1
7143_7144	7143	7144	115.3185	-18.003	0.027	0.057	1.35	660.9015	1
7144_7144	7144	7144	10.257	-0.345	-0.021	-0.027	-0.0615	73.8885	1
7144_7145	7144	7145	108.1695	-11.391	0.0315	0.06	1.7235	590.472	1
7145_7145	7145	7145	10.5135	-0.3495	-0.0435	-0.024	-0.225	75.6255	1
7145_7146	7145	7146	102.381	-11.505	-0.021	0.0615	1.68	527.3505	1
7146_7146	7146	7146	13.146	-23.0595	0.0615	-0.009	0.7815	209.622	1
7146_7147	7146	7147	93.1515	-5.481	-0.0075	-0.0135	1.803	442.185	1
7147_7147	7147	7147	28.7595	-27.789	0.0675	0.063	1.0455	327.7305	1
7147_7148	7147	7148	80.454	-9.006	0.009	0.0765	2.43	315.3705	1
7148_7148	7148	7148	87.6855	35.4375	0.015	-0.213	-2.5905	848.034	1
7148_7149	7148	7149	32.9265	3.2895	0	-0.0645	0.0525	192.963	1
7149_7149	7149	7149	77.8275	28.1595	0.003	-0.033	-2.3355	564.45	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7149_7150	7149	7150	39.18	-41.2335	-0.009	0.0645	1.7805	637.047	1
7150_7150	7150	7150	68.115	19.9875	0.003	-0.135	-2.0355	373.2165	1
7150_7151	7150	7151	69.042	-36.105	0.0195	0.036	2.103	792.144	1
7151_7151	7151	7151	58.6605	13.161	-0.0075	-0.018	-1.2705	219.078	1
7151_7152	7151	7152	98.418	-26.1165	0.018	0.042	1.986	790.4115	1
7152_7152	7152	7152	48.687	6.411	-0.015	0.036	1.956	396.5625	1
7152_7153	7152	7153	110.415	-30.753	-0.0195	0.06	1.842	849.4575	1
7153_7153	7153	7153	48.288	6.303	-0.0135	-0.009	1.5075	344.226	1
7153_7154	7153	7154	122.814	-18.312	-0.015	-0.015	1.335	842.427	1
7154_7154	7154	7154	39.369	5.982	-0.009	-0.0075	1.326	291.0675	1
7154_7155	7154	7155	131.67	-23.097	-0.009	-0.003	1.254	894.723	1
7155_7155	7155	7155	32.619	5.8875	-0.009	-0.0075	1.218	249.1575	1
7155_7156	7155	7156	131.151	-12.7545	-0.0075	0.0015	1.1835	891.243	1
7156_7156	7156	7156	25.992	5.6985	-0.0105	-0.009	1.0965	206.1795	1
7156_7157	7156	7157	136.2495	-18.8715	-0.003	0.0255	1.1625	919.0905	1
7157_7157	7157	7157	20.1765	5.5035	-0.0105	-0.021	0.966	167.409	1
7157_7158	7157	7158	132.3885	-9.498	-0.003	-0.03	1.1355	895.9845	1
7158_7158	7158	7158	14.697	4.983	-0.009	-0.0135	0.774	123.8025	1
7158_7159	7158	7159	135.7155	-31.617	0.0045	0.0315	1.167	915.8385	1
7159_7159	7159	7159	17.772	-4.287	0.009	0.006	0.8925	135.7545	1
7159_7160	7159	7160	130.3575	-22.755	0.003	-0.021	1.1805	886.521	1
7160_7160	7160	7160	22.467	-4.7715	0.0105	0.0105	1.053	175.236	1
7160_7161	7160	7161	130.5765	-27.4125	0.0135	0.027	1.3035	888.381	1
7161_7161	7161	7161	28.041	-5.034	0.009	-0.0015	1.2015	215.3715	1
7161_7162	7161	7162	121.4265	-17.9835	0.012	-0.018	1.413	834.618	1
7162_7162	7162	7162	33.8535	-5.523	0.012	-0.009	1.326	254.973	1
7162_7163	7162	7163	116.355	-19.692	0.015	-0.0195	1.5555	799.1025	1
7163_7163	7163	7163	41.1915	-9.999	0.003	0.0375	-0.879	89.5215	1
7163_7164	7163	7164	99.0585	-13.014	0.021	0.0225	1.788	764.442	1
7164_7164	7164	7164	50.0145	-11.004	0.012	0.0195	-0.984	142.6035	1
7164_7165	7164	7165	80.5605	-14.034	-0.018	-0.033	1.512	704.637	1
7165_7165	7165	7165	61.5075	-12.6315	0.0075	0.0915	-1.1805	238.581	1
7165_7166	7165	7166	43.536	-4.5495	-0.0135	-0.042	1.4025	585.0345	1
7166_7166	7166	7166	73.3095	-19.2255	0.003	0.03	-1.5855	390.6435	1
7166_7167	7166	7167	36.768	-4.506	-0.0015	0.03	0.1275	219.834	1
7167_7167	7167	7167	84.048	-27.93	-0.006	0.1635	-1.8	587.952	1
7167_7168	7167	7168	36.075	-3.8715	-0.003	0.051	0.0975	263.2185	1
7168_7168	7168	7168	63.1635	36.267	-0.0525	-0.0525	1.08	511.8615	1
7168_7169	7168	7169	97.209	-45.5835	0.0075	-0.072	1.4775	429.4725	1
7169_7169	7169	7169	35.538	27.9	-0.0405	0.003	0.705	316.8975	1
7169_7170	7169	7170	108.273	-39.678	0.0105	-0.006	1.08	507.774	1
7170_7170	7170	7170	15.8325	24.1065	-0.0405	0	0.513	205.3785	1
7170_7171	7170	7171	114.9795	-33.2805	0.0165	-0.0045	1.077	571.4445	1
7171_7171	7171	7171	11.334	0.4395	0.018	0.0315	-0.078	82.9485	1
7171_7172	7171	7172	122.943	-33.1245	-0.018	0.0045	0.8415	641.2965	1
7172_7172	7172	7172	10.989	0.4395	0.0165	0.021	0.06	80.808	1
7172_7173	7172	7173	126.8175	-26.0235	-0.012	-0.075	0.666	683.2485	1
7173_7173	7173	7173	10.6515	0.4275	0.0165	0.03	0.21	75.972	1
7173_7174	7173	7174	126.996	-18.336	-0.009	0.018	0.5235	697.038	1
7174_7174	7174	7174	10.317	0.4005	0.0165	0.0255	0.3405	73.887	1
7174_7175	7174	7175	130.4055	-23.811	-0.0135	0.0195	0.4095	724.86	1
7175_7175	7175	7175	10.0815	0.4005	0.0165	0.0135	0.4365	72.4275	1
7175_7176	7175	7176	132.7905	-32.967	0.0105	-0.081	0.366	736.155	1
7176_7176	7176	7176	9.846	0.4005	0.0165	0.0255	0.5325	70.968	1
7176_7177	7176	7177	132.2055	-27.1845	0.0135	0.051	0.4365	725.115	1
7177_7177	7177	7177	9.6105	0.4005	0.0165	0.0255	0.6285	69.507	1
7177_7178	7177	7178	129.4575	-21.81	0.0165	0.054	0.5535	697.821	1
7178_7178	7178	7178	9.3765	0.3645	0.018	0.0225	0.7245	68.046	1
7178_7179	7178	7179	130.128	-24.9495	0.012	0.0525	0.6885	684.6405	1
7179_7179	7179	7179	9.09	0.3645	0.018	0.0135	0.8655	66.27	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7179_7180	7179	7180	127.092	-17.8635	0.018	-0.03	0.8805	643.449	1
7180_7180	7180	7180	8.8035	0.3645	0.018	0.021	1.0065	64.494	1
7180_7181	7180	7181	119.952	-11.4765	0.018	0.057	1.1025	574.3665	1
7181_7181	7181	7181	8.5185	0.312	0.0195	0.0135	1.1475	62.718	1
7181_7182	7181	7182	113.9445	-11.238	-0.012	0.033	1.092	510.963	1
7182_7182	7182	7182	17.985	-21.078	0.042	0.03	0.6465	213.5115	1
7182_7183	7182	7183	104.565	-5.5005	-0.0045	0.0435	1.1775	428.307	1
7183_7183	7183	7183	35.5605	-28.05	0.0465	-0.0045	0.8145	322.3185	1
7183_7184	7183	7184	93.1365	-9.3465	0.0135	0.018	1.803	302.6175	1
7184_7184	7184	7184	88.641	44.604	0.012	-0.1095	-1.911	899.2245	1
7184_7185	7184	7185	22.6605	4.3755	-0.003	-0.03	0.123	158.943	1
7185_7185	7185	7185	75.9195	32.199	0.003	-0.084	-1.68	589.4295	1
7185_7186	7185	7186	47.127	-43.4085	-0.006	0.0225	1.3335	578.2455	1
7186_7186	7186	7186	62.7	24.345	-0.0045	-0.0855	-1.4955	370.3035	1
7186_7187	7186	7187	82.1985	-38.0595	0.0195	0.1095	1.6095	743.7885	1
7187_7187	7187	7187	52.8375	6.0015	-0.006	-0.0015	1.713	399.144	1
7187_7188	7187	7188	111.6075	-28.3995	0.0165	-0.0045	1.698	788.1705	1
7188_7188	7188	7188	51.12	5.2575	-0.009	0.03	1.665	344.9685	1
7188_7189	7188	7189	126.582	-31.8255	-0.009	0.051	1.6365	858.4425	1
7189_7189	7189	7189	48.8415	5.349	-0.009	-0.0105	1.443	322.0605	1
7189_7190	7189	7190	138.1185	-19.8495	-0.006	-0.021	1.425	927.8445	1
7190_7190	7190	7190	41.4015	4.968	-0.009	-0.0075	1.3275	274.653	1
7190_7191	7190	7191	149.0415	-23.514	-0.009	-0.0045	1.347	992.997	1
7191_7191	7191	7191	35.9145	4.8465	-0.009	-0.009	1.2285	237.1905	1
7191_7192	7191	7192	150.8865	-13.5375	-0.006	0	1.293	1002.167	1
7192_7192	7192	7192	30.516	4.629	-0.009	-0.0165	1.119	200.6895	1
7192_7193	7192	7193	157.149	-35.769	0.006	0.006	1.3515	1034.18	1
7193_7193	7193	7193	25.8555	4.5135	-0.009	-0.0165	1.0095	169.107	1
7193_7194	7193	7194	154.899	-27.108	0.009	0.012	1.419	1020.953	1
7194_7194	7194	7194	25.0905	-4.614	0.0105	0.0075	1.038	152.2605	1
7194_7195	7194	7195	158.25	-32.0805	0.006	-0.036	1.4565	1041.567	1
7195_7195	7195	7195	29.9025	-4.788	0.012	0.0195	1.1805	185.8575	1
7195_7196	7195	7196	153.165	-23.607	0.0105	0.0375	1.5315	1012.094	1
7196_7196	7196	7196	34.9185	-5.217	0.012	0.003	1.335	224.2275	1
7196_7197	7196	7197	152.4645	-27.384	0.0165	-0.003	1.6755	1008.279	1
7197_7197	7197	7197	40.803	-5.397	0.012	0.0015	1.4835	265.326	1
7197_7198	7197	7198	142.8855	-18.3825	0.0195	0.0015	1.833	949.797	1
7198_7198	7198	7198	46.8825	-5.9985	0.012	-0.015	1.6185	303.681	1
7198_7199	7198	7199	135.816	-19.365	0.012	-0.0285	1.8915	902.2695	1
7199_7199	7199	7199	53.982	-6.0315	0.012	-0.009	1.8735	349.386	1
7199_7200	7199	7200	119.0475	-12.8295	0.015	0.018	2.0595	818.0985	1
7200_7200	7200	7200	57.732	-6.678	0.009	-0.0045	1.9785	380.895	1
7200_7201	7200	7201	97.1295	-12.759	-0.012	0.0105	1.8075	746.466	1
7201_7201	7201	7201	54.5715	-6.8145	0.0135	-0.168	3.1965	467.508	1
7201_7202	7201	7202	54.609	-3.8175	-0.0165	-0.1485	2.328	636.366	1
7202_7202	7202	7202	63.9405	-22.3935	0.003	0.1335	-3.192	398.073	1
7202_7203	7202	7203	27.2685	0.171	0	-0.036	2.1345	443.094	1
7203_7203	7203	7203	76.659	-32.379	-0.006	0.189	-3.4665	623.373	1
7203_7204	7203	7204	22.7985	-3.9465	0	0.057	-0.213	197.9595	1
7204_7204	7204	7204	65.616	37.7145	-0.066	-0.012	1.7865	552.6405	1
7204_7205	7204	7205	107.949	-44.589	-0.0105	-0.027	2.3475	477.7245	1
7205_7205	7205	7205	38.2755	31.1295	-0.0615	-0.042	1.356	355.005	1
7205_7206	7205	7206	117.4155	-39.189	0.006	-0.0735	1.758	567.285	1
7206_7206	7206	7206	18.4665	23.973	-0.0615	-0.015	1.29	245.2185	1
7206_7207	7206	7207	123.108	-33.3345	0.012	0.006	1.5975	631.764	1
7207_7207	7207	7207	7.893	0.915	-0.0375	-0.036	1.41	78.264	1
7207_7208	7207	7208	129.7995	-32.751	-0.0195	-0.0075	1.236	701.301	1
7208_7208	7208	7208	7.2045	0.912	-0.036	-0.036	1.11	73.3575	1
7208_7209	7208	7209	133.089	-26.1645	-0.012	0.009	0.984	745.737	1
7209_7209	7209	7209	6.516	0.912	-0.0375	-0.045	0.8175	68.7705	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7209_7210	7209	7210	133.395	-19.02	-0.003	-0.0735	0.8535	765.153	1
7210_7210	7210	7210	6.6105	-0.8325	0.036	0.0405	0.36	74.5905	1
7210_7211	7210	7211	136.119	-23.0445	-0.024	0.0105	0.663	793.086	1
7211_7211	7211	7211	7.0815	-0.8325	0.036	0.0405	0.5775	77.703	1
7211_7212	7211	7212	137.4	-34.113	0.015	0.0585	0.6345	810.531	1
7212_7212	7212	7212	7.5525	-0.8325	0.036	0.027	0.7965	80.8155	1
7212_7213	7212	7213	137.016	-28.656	0.0255	-0.069	0.7935	802.347	1
7213_7213	7213	7213	8.0295	-0.843	0.0375	0.042	1.02	85.6125	1
7213_7214	7213	7214	134.766	-23.556	0.03	0.075	1.0245	778.7535	1
7214_7214	7214	7214	8.5065	-0.837	0.0435	0.0345	1.2615	90.8955	1
7214_7215	7214	7215	134.9295	-25.3965	0.0135	0.0495	1.2345	764.2005	1
7215_7215	7215	7215	9.1395	-0.837	0.0435	0.0345	1.605	95.0685	1
7215_7216	7215	7216	132.0645	-18.7965	0.021	0.063	1.548	724.5	1
7216_7216	7216	7216	9.783	-0.861	0.0435	0.0225	2.0115	103.218	1
7216_7217	7216	7217	125.7	-12.825	0.0315	-0.015	1.977	659.1585	1
7217_7217	7217	7217	10.434	-0.8805	0.033	-0.03	2.3655	107.5035	1
7217_7218	7217	7218	120.0615	-12.114	-0.003	-0.123	2.1735	597.126	1
7218_7218	7218	7218	17.913	-23.8065	0.0345	-0.117	1.335	247.5555	1
7218_7219	7218	7219	111.5595	-6.819	0.003	-0.1545	2.454	517.7055	1
7219_7219	7219	7219	36.096	-29.781	0.0495	0.312	1.2015	354.579	1
7219_7220	7219	7220	100.476	-11.202	-0.0105	0.315	3.036	384.873	1
7220_7220	7220	7220	86.367	42.2955	0.0375	-0.33	-3.7305	826.089	1
7220_7221	7220	7221	28.932	-51.759	0.0045	0.009	2.28	508.4175	1
7221_7221	7221	7221	72.4485	30.7245	0.021	0.0255	-3.1155	509.2065	1
7221_7222	7221	7222	60.036	-43.5015	-0.003	0.1275	2.5395	704.2605	1
7222_7222	7222	7222	65.907	8.2635	-0.0195	0.036	4.1055	648.9675	1
7222_7223	7222	7223	96.831	-38.181	0.0165	-0.0495	2.907	873.3495	1
7223_7223	7223	7223	75.5235	8.079	-0.012	0.078	2.4945	523.383	1
7223_7224	7223	7224	133.6095	-29.247	0.015	0.1035	2.1345	897.1065	1
7224_7224	7224	7224	72.7965	7.5945	-0.021	-0.066	2.376	453.369	1
7224_7225	7224	7225	149.1315	-31.32	-0.0165	-0.1875	2.0505	967.899	1
7225_7225	7225	7225	64.77	7.8195	-0.021	0.057	2.322	439.215	1
7225_7226	7225	7226	150.6015	-19.1055	-0.009	0.135	2.052	1094.741	1
7226_7226	7226	7226	53.706	7.3965	-0.021	-0.093	2.0145	363.1035	1
7226_7227	7226	7227	159.1155	-20.943	-0.021	-0.27	1.839	1154.339	1
7227_7227	7227	7227	45.513	7.2435	-0.021	0.036	1.7505	305.7645	1
7227_7228	7227	7228	158.829	-11.1225	-0.0135	0.2025	1.68	1155.035	1
7228_7228	7228	7228	37.5195	6.9855	-0.0225	-0.096	1.4835	250.293	1
7228_7229	7228	7229	161.235	-32.301	-0.0075	-0.3345	1.4805	1172.039	1
7229_7229	7229	7229	34.758	-5.8845	0.003	0.0585	1.0755	234.7845	1
7229_7230	7229	7230	153.6855	-23.0775	0	0.225	1.4175	1122.138	1
7230_7230	7230	7230	41.5245	-6.528	0.0105	-0.111	1.152	289.6785	1
7230_7231	7230	7231	149.604	-24.411	0.012	-0.3075	1.476	1091.711	1
7231_7231	7231	7231	49.236	-6.7245	0.012	0.057	1.2975	344.877	1
7231_7232	7231	7232	136.7415	-15.5415	0.0195	0.1815	1.6425	1001.646	1
7232_7232	7232	7232	57.174	-7.503	0	-0.156	1.4595	399.9525	1
7232_7233	7232	7233	134.466	-21.93	-0.033	-0.312	1.524	984.63	1
7233_7233	7233	7233	59.226	-7.3935	0.0015	-0.072	2.289	415.1145	1
7233_7234	7233	7234	126.9915	-17.3835	-0.0435	-0.1125	2.0715	949.881	1
7234_7234	7234	7234	62.829	-7.341	0.0015	-0.048	2.304	448.1505	1
7234_7235	7234	7235	109.632	-11.373	-0.033	-0.033	1.743	875.0055	1
7235_7235	7235	7235	65.5005	-7.215	0.003	-0.009	2.3205	493.2375	1
7235_7236	7235	7236	95.046	-7.689	-0.0225	0.0555	1.6275	813.1785	1
7236_7236	7236	7236	55.755	-7.911	-0.0285	-0.2625	3.669	576.39	1
7236_7237	7236	7237	55.671	-5.6775	-0.0705	-0.2385	1.9155	768.0585	1
7237_7237	7237	7237	65.445	-26.6475	0.0075	0.2805	-1.689	406.5675	1
7237_7238	7237	7238	35.313	-0.5145	-0.075	0.1005	1.131	618.1245	1
7238_7238	7238	7238	77.5785	-25.7715	-0.084	-0.1305	-1.863	616.041	1
7238_7239	7238	7239	25.014	-10.26	0.159	0.0045	2.4555	535.551	1
7239_7239	7239	7239	83.619	-29.2365	-0.1065	0.285	-2.805	811.446	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7239_7240	7239	7240	23.643	-6.5295	0.0225	0.1005	0.9945	260.7315	1
7240_7240	7240	7240	38.6175	28.443	-0.075	-0.135	1.4745	526.4175	1
7240_7241	7240	7241	123.423	-35.9715	-0.0975	-0.6165	4.467	648.321	1
7241_7241	7241	7241	23.1135	25.311	-0.0615	0.087	1.212	397.5	1
7241_7242	7241	7242	126.1035	-29.178	-0.0885	-0.216	2.88	692.19	1
7242_7242	7242	7242	8.922	1.254	-0.006	-0.0945	-1.2015	-33.207	1
7242_7243	7242	7243	123.615	-22.4715	-0.078	0.0075	1.9965	702.8835	1
7243_7243	7243	7243	8.067	1.0335	0.024	-0.042	-1.2495	-38.097	1
7243_7244	7243	7244	130.9635	-32.7615	-0.0465	-0.2865	1.3935	796.044	1
7244_7244	7244	7244	7.2015	1.0095	0.021	-0.06	-0.993	-43.764	1
7244_7245	7244	7245	135.12	-25.383	-0.0555	0.039	0.6675	854.94	1
7245_7245	7245	7245	6.7485	0.5265	-0.045	-0.081	0.1455	82.7115	1
7245_7246	7245	7246	139.1655	-21.138	0.039	-0.2235	0.918	905.9655	1
7246_7246	7246	7246	6.2895	0.5265	-0.0435	-0.045	-0.3165	79.092	1
7246_7247	7246	7247	141.174	-30.9195	0.0465	0.1725	1.2585	915.123	1
7247_7247	7247	7247	5.88	0.4185	-0.0525	-0.0915	-0.717	75.828	1
7247_7248	7247	7248	142.8675	-28.692	-0.0015	-0.339	1.2615	908.958	1
7248_7248	7248	7248	5.7195	-0.915	0.066	0.1035	1.686	106.779	1
7248_7249	7248	7249	140.2485	-20.634	-0.0045	0.261	1.38	858.0105	1
7249_7249	7249	7249	6.4965	-0.9225	0.1095	0.015	2.367	112.983	1
7249_7250	7249	7250	137.2035	-17.4345	0.1185	-0.138	2.8905	797.688	1
7250_7250	7250	7250	7.272	-0.9225	0.1125	0.072	3.4635	119.106	1
7250_7251	7250	7251	130.245	-10.992	0.108	0.207	4.3125	706.0905	1
7251_7251	7251	7251	8.055	-1.026	-0.135	-0.303	4.5495	124.9545	1
7251_7252	7251	7252	132.7485	-22.359	-0.069	-0.3135	4.032	695.844	1
7252_7252	7252	7252	19.479	-22.1205	-0.0765	-0.111	1.0875	364.086	1
7252_7253	7252	7253	132.36	-15.297	-0.087	0.159	3.261	648.438	1
7253_7253	7253	7253	84.972	26.46	0.0795	-0.6675	-4.029	955.569	1
7253_7254	7253	7254	27.9	5.769	0.099	-0.468	-0.999	200.481	1
7254_7254	7254	7254	83.637	30.432	-0.1095	-0.3255	-3.4185	810.474	1
7254_7255	7254	7255	42.9345	-41.229	0.1095	0.0225	3.615	680.7735	1
7255_7255	7255	7255	75.816	23.9715	-0.102	0.039	-4.3095	566.034	1
7255_7256	7255	7256	60.0525	-33.8745	0.1245	0.204	5.2635	758.289	1
7256_7256	7256	7256	67.1835	30.438	0.0345	-0.24	-5.0805	395.202	1
7256_7257	7256	7257	83.34	-43.5285	-0.06	-0.126	5.154	889.7925	1
7257_7257	7257	7257	74.166	7.728	0.006	0.0555	3.6465	547.8855	1
7257_7258	7257	7258	118.581	-38.976	-0.039	0.057	3.114	879.4395	1
7258_7258	7258	7258	73.4205	7.938	0.006	0.063	3.6885	506.202	1
7258_7259	7258	7259	129.87	-35.2725	-0.039	0.099	2.9865	923.7555	1
7259_7259	7259	7259	71.562	7.584	-0.039	-0.0735	3.732	476.4735	1
7259_7260	7259	7260	145.446	-34.932	-0.0195	-0.192	2.931	1004.255	1
7260_7260	7260	7260	69.2565	7.755	-0.0285	0	2.529	410.1495	1
7260_7261	7260	7261	161.421	-28.305	-0.012	0.021	2.106	1006.541	1
7261_7261	7261	7261	62.502	7.6785	-0.027	0.039	2.2935	369.981	1
7261_7262	7261	7262	166.41	-22.23	-0.0105	0.117	2.0415	1040.309	1
7262_7262	7262	7262	56.2515	7.329	-0.021	-0.0555	2.07	333.2205	1
7262_7263	7262	7263	176.934	-22.128	-0.0225	-0.135	1.8015	1106.529	1
7263_7263	7263	7263	47.7135	7.263	-0.021	0	1.818	283.2645	1
7263_7264	7263	7264	177.699	-13.0125	-0.0195	0.075	1.539	1116.56	1
7264_7264	7264	7264	39.4335	6.918	-0.0165	-0.0645	1.5615	231.9915	1
7264_7265	7264	7265	180.366	-13.6395	-0.009	-0.222	1.3755	1136.634	1
7265_7265	7265	7265	35.2245	-7.2375	0	0.021	0.921	242.229	1
7265_7266	7265	7266	172.758	-24.51	0.0015	0.132	1.1145	1102.434	1
7266_7266	7266	7266	43.6245	-7.704	0.0045	-0.0915	0.921	292.9365	1
7266_7267	7266	7267	168.1875	-25.0785	-0.0075	-0.1995	0.9075	1075.466	1
7267_7267	7267	7267	52.671	-7.818	0.006	0.0045	0.9675	346.4145	1
7267_7268	7267	7268	155.124	-16.9215	0	0.075	0.8085	997.4355	1
7268_7268	7268	7268	61.9185	-8.6415	-0.0105	-0.1695	1.0335	401.7075	1
7268_7269	7268	7269	151.731	-21.561	-0.057	-0.327	0.555	976.236	1
7269_7269	7269	7269	61.083	-8.5875	-0.012	-0.1155	1.329	459.3825	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7269_7270	7269	7270	126.222	-14.745	-0.066	-0.1665	0.021	989.721	1
7270_7270	7270	7270	67.014	-8.412	-0.009	0.0045	1.212	514.716	1
7270_7271	7270	7271	100.0305	-8.223	-0.054	0.09	-0.543	881.085	1
7271_7271	7271	7271	59.61	-9.264	-0.1155	-0.4065	1.74	633.6225	1
7271_7272	7271	7272	57.087	-5.667	-0.135	-0.402	-2.3295	812.307	1
7272_7272	7272	7272	66.8445	-30.2595	0.1305	0.2565	1.686	420.813	1
7272_7273	7272	7273	29.784	0.3975	-0.0945	0.207	-2.9565	606.7905	1
7273_7273	7273	7273	83.5965	-27.402	-0.633	0.177	4.17	714.4875	1
7273_7274	7273	7274	25.8915	-15.684	0.4425	-0.123	-0.066	572.229	1
7274_7274	7274	7274	86.919	-28.581	-0.6645	0.6045	0.7275	826.014	1
7274_7275	7274	7275	21.168	-5.145	-0.0285	0.054	-0.102	234.5355	1
7275_7275	7275	7275	32.2005	23.541	0.144	0.621	1.959	486.4995	1
7275_7276	7275	7276	127.9905	-24.327	0.405	0.6015	6.105	676.1145	1
7276_7276	7276	7276	21.6435	22.9515	-0.114	-0.1695	3.138	416.4705	1
7276_7277	7276	7277	130.3215	-35.385	-0.168	-0.3795	5.079	710.433	1
7277_7277	7277	7277	16.263	20.847	-0.1065	-0.0495	2.7	358.9275	1
7277_7278	7277	7278	132.9525	-27.321	-0.129	-0.1515	2.4915	746.8215	1
7278_7278	7278	7278	6.747	1.0065	-0.0105	-0.057	0.072	-29.352	1
7278_7279	7278	7279	128.772	-19.6425	-0.1095	0.171	1.0095	743.8395	1
7279_7279	7279	7279	5.949	1.1295	-0.012	-0.0255	-0.0465	-34.3995	1
7279_7280	7279	7280	131.112	-24.0285	0.051	-0.3435	1.341	791.541	1
7280_7280	7280	7280	4.8285	1.089	-0.015	-0.0525	-0.192	-41.184	1
7280_7281	7280	7281	126.9375	-13.2525	0.039	0.186	1.521	778.3185	1
7281_7281	7281	7281	6.2475	0.924	0.027	-0.009	-1.1565	-64.3515	1
7281_7282	7281	7282	112.9605	-31.26	0	-0.303	1.3965	853.6935	1
7282_7282	7282	7282	5.472	0.888	0.018	-0.063	-0.8115	-69.762	1
7282_7283	7282	7283	112.6485	-21.765	0.006	0.273	0.8685	801.3525	1
7283_7283	7283	7283	4.764	0.963	-0.096	0.027	-0.6135	-77.1585	1
7283_7284	7283	7284	119.964	-26.985	0.2625	-0.4185	3.4335	818.0115	1
7284_7284	7284	7284	4.083	0.9105	-0.1065	-0.0615	-1.539	-79.7235	1
7284_7285	7284	7285	122.9205	-27.69	0.2895	0.345	6.843	747.738	1
7285_7285	7285	7285	3.489	0.798	-0.0765	0.0765	-2.4615	-82.0935	1
7285_7286	7285	7286	129.405	-33.666	-0.1725	-0.396	5.9895	765.618	1
7286_7286	7286	7286	3.048	0.777	-0.078	0.036	-2.9745	-83.865	1
7286_7287	7286	7287	132.2055	-28.383	-0.2115	-0.075	4.7835	755.019	1
7287_7287	7287	7287	10.059	-22.404	0.0765	0.213	1.986	445.7535	1
7287_7288	7287	7288	133.4415	-23.436	-0.267	0.3135	3.027	734.397	1
7288_7288	7288	7288	46.608	13.2975	0.102	-0.1485	4.8045	1152.356	1
7288_7289	7288	7289	33.549	-41.394	0.2205	-0.111	3.9135	789.4845	1
7289_7289	7289	7289	50.061	13.044	0.102	0.753	6.129	1004.178	1
7289_7290	7289	7290	50.481	-33.204	0.2355	0.5655	6.9915	927.54	1
7290_7290	7290	7290	52.014	9.9225	0.0585	-0.162	7.323	880.0155	1
7290_7291	7290	7291	64.008	-38.274	0.003	-0.258	7.4265	1044.951	1
7291_7291	7291	7291	52.875	9.8265	0.06	-0.084	7.827	816.192	1
7291_7292	7291	7292	77.601	-31.359	0.0255	-0.1785	8.1225	1149.398	1
7292_7292	7292	7292	60.7635	9.759	0.0435	0.4005	5.616	689.9805	1
7292_7293	7292	7293	96.5415	-27.762	0.0255	0.6045	5.7165	1094.984	1
7293_7293	7293	7293	58.995	6.7755	-0.0435	-0.2175	5.832	658.9965	1
7293_7294	7293	7294	109.08	-59.139	-0.09	-0.432	5.7735	1223.577	1
7294_7294	7294	7294	56.2665	6.8115	-0.042	-0.027	5.5215	624.75	1
7294_7295	7294	7295	120.8475	-52.065	-0.081	-0.072	5.073	1347.294	1
7295_7295	7295	7295	44.8275	6.7575	-0.063	0.357	7.971	626.193	1
7295_7296	7295	7296	109.2345	-46.818	-0.1065	0.7155	7.0575	1528.257	1
7296_7296	7296	7296	42.192	5.9265	-0.075	-0.264	7.5225	591.1425	1
7296_7297	7296	7297	120.855	-49.173	-0.0975	-0.726	6.1335	1682.679	1
7297_7297	7297	7297	38.595	5.88	-0.0735	0.153	6.7335	542.2125	1
7297_7298	7297	7298	126.6735	-40.1835	-0.1005	0.4665	4.9545	1759.752	1
7298_7298	7298	7298	34.8945	5.1435	-0.075	-0.3255	5.931	491.5455	1
7298_7299	7298	7299	134.8305	-44.721	-0.0675	-1.1625	4.0245	1867.886	1
7299_7299	7299	7299	31.695	5.139	-0.072	0.153	5.091	448.8255	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7299_7300	7299	7300	136.953	-35.1315	-0.0585	0.6795	3.057	1895.631	1
7300_7300	7300	7300	28.122	4.6365	-0.075	-0.255	4.1865	400.224	1
7300_7301	7300	7301	142.0965	-18.6825	-0.0915	-1.0395	2.1315	1964.558	1
7301_7301	7301	7301	25.002	4.5975	-0.072	0.084	3.2955	356.91	1
7301_7302	7301	7302	141.411	-9.7245	-0.0825	0.7815	1.032	1955	1
7302_7302	7302	7302	22.0395	4.323	-0.0645	-0.2445	2.46	316.461	1
7302_7303	7302	7303	144.177	-14.9715	-0.051	-1.1505	0.249	1991.118	1
7303_7303	7303	7303	18.993	4.2945	-0.063	0.0555	1.641	274.506	1
7303_7304	7303	7304	140.442	-6.477	-0.0405	0.969	-0.2745	1940.507	1
7304_7304	7304	7304	16.38	4.0485	-0.036	-0.2205	0.9645	237.381	1
7304_7305	7304	7305	139.968	-12.411	-0.024	-1.1535	-0.57	1932.575	1
7305_7305	7305	7305	13.8015	3.969	-0.033	-0.0105	0.579	199.692	1
7305_7306	7305	7306	131.7705	-2.559	-0.0135	0.7995	-0.705	1820.72	1
7306_7306	7306	7306	11.1285	3.687	0.0015	-0.1905	0.186	161.4165	1
7306_7307	7306	7307	124.5375	-5.8455	0.0165	-1.0965	-0.408	1720.167	1
7307_7307	7307	7307	8.7675	3.4935	0	-0.0375	0.2115	123.756	1
7307_7308	7307	7308	107.4645	5.133	0.021	0.822	-0.0915	1486.502	1
7308_7308	7308	7308	6.546	3.303	-0.1395	-0.1455	0.1635	86.928	1
7308_7309	7308	7309	84.96	14.4225	-0.096	-0.825	-1.221	1183.199	1
7309_7309	7309	7309	4.473	2.925	-0.0615	-0.0675	-0.6105	52.839	1
7309_7310	7309	7310	51.795	27.1485	-0.0705	0.5205	-1.7925	731.0055	1
7310_7310	7310	7310	3.8505	-3.837	-1.266	-0.06	16.9275	-15.1545	1
7310_7311	7310	7311	3.483	-3.6375	-0.903	0.015	0	10.8255	1
7400_7020	7400	7020	98.787	-10.3305	3.201	-0.033	17.97	-112.301	1
7400_7401	7400	7401	18.7035	1.1475	1.281	0.042	-11.268	93.6225	1
7401_7401	7401	7401	98.7345	-8.337	-1.7625	0.585	30.0555	-70.0395	1
7401_7402	7401	7402	18.6705	1.209	0.8385	-0.321	-8.142	89.397	1
7402_7402	7402	7402	98.9025	-5.967	-1.9575	-0.0705	23.8875	-40.962	1
7402_7403	7402	7403	18.6375	1.6575	0.801	0.054	0.651	71.298	1
7403_7403	7403	7403	90.3375	-2.9985	-0.054	0.1185	2.622	24.213	1
7403_7404	7403	7404	19.182	2.2965	-0.0315	-0.0615	0.36	55.677	1
7404_7404	7404	7404	90.384	-0.8955	-0.1095	0.0945	2.2425	45.828	1
7404_7405	7404	7405	19.1235	2.742	-0.0435	-0.0345	0.057	35.8995	1
7405_7405	7405	7405	84.588	1.7325	-0.123	0.114	1.7115	52.2795	1
7405_7406	7405	7406	19.647	3.4665	0.051	-0.0525	0.6735	-13.875	1
7406_7406	7406	7406	80.247	4.371	1.011	0.186	0.2655	27.321	1
7406_7407	7406	7407	20.2305	4.218	-1.1235	-0.1215	-9.42	-51.3165	1
7407_7407	7407	7407	80.139	6.051	1.0035	-0.0075	9.2205	-11.4045	1
7407_7408	7407	7408	20.1375	4.641	-1.1265	0.072	-15.678	-77.103	1
7408_7408	7408	7408	82.2615	-7.0545	2.9535	-0.8535	-17.946	-112.529	1
7408_7409	7408	7409	21.3645	0.183	0.858	-1.2465	-13.7685	-77.6475	1
7409_7409	7409	7409	82.5765	8.337	2.3715	0.753	-9.006	-90.7785	1
7409_7410	7409	7410	21.5205	0.2865	0.0105	1.17	-13.7145	-77.9745	1
7410_7410	7410	7410	86.7195	-8.6685	0.192	-0.1125	-1.716	-101.516	1
7410_7411	7410	7411	22.0155	-4.326	0.9555	-0.132	-7.839	-53.7405	1
7411_7411	7411	7411	86.883	-6.852	0.162	-0.117	-0.642	-53.358	1
7411_7412	7411	7412	22.101	-3.8655	0.948	0.0135	0.561	-19.5045	1
7412_7412	7412	7412	92.3625	-4.0185	0.081	-0.111	0.5565	7.3365	1
7412_7413	7412	7413	23.121	-3.0765	-0.018	-0.036	0.3375	25.014	1
7413_7413	7413	7413	99.4245	-1.251	-0.018	-0.06	1.5135	65.235	1
7413_7414	7413	7414	24.2115	-2.301	-0.072	-0.024	-0.153	41.571	1
7414_7414	7414	7414	99.4275	1.02	0.0645	-0.1515	1.407	74.259	1
7414_7415	7414	7415	24.258	-1.7475	-0.051	-0.054	-0.5115	54.159	1
7415_7415	7415	7415	109.3665	4.074	2.586	0.081	1.7805	66.9165	1
7415_7416	7415	7416	25.509	-1.0335	1.6005	0.063	16.9725	65.205	1
7416_7416	7416	7416	109.2375	6.6675	2.67	-0.6495	30.024	22.4085	1
7416_7417	7416	7417	25.5255	-0.4275	1.6215	-0.3915	22.6335	66.6945	1
7417_7417	7417	7417	109.341	8.478	-2.0145	0.0735	40.6965	-0.819	1
7417_7036	7417	7036	25.5795	-0.4035	0.765	0.054	26.5425	68.34	1
7420_7056	7420	7056	105.7155	-8.853	2.553	-0.0615	19.9035	-61.3695	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7420_7421	7420	7421	25.53	-0.075	-1.176	-0.0405	12.543	45.747	1
7421_7421	7421	7421	105.576	-7.0695	-2.01	0.4905	28.8705	-25.1145	1
7421_7422	7421	7422	25.449	-0.108	-0.906	0.177	8.835	46.119	1
7422_7422	7422	7422	105.714	-4.536	-2.082	-0.0345	21.8655	-0.4635	1
7422_7423	7422	7423	25.443	0.5025	-0.924	-0.003	-1.2375	40.638	1
7423_7423	7423	7423	94.9275	-1.752	0.162	0.084	-0.747	49.062	1
7423_7424	7423	7424	23.565	1.137	0.1125	0.0165	-0.417	32.8425	1
7424_7424	7424	7424	94.9425	0.498	0.0885	0.1215	0.4395	61.7055	1
7424_7425	7424	7425	23.5305	1.695	0.093	0.051	0.2655	20.6205	1
7425_7425	7425	7425	87.375	2.9445	-0.1095	0.1095	1.236	58.1115	1
7425_7426	7425	7426	21.7845	2.364	0.033	0.03	0.708	-13.4385	1
7426_7426	7426	7426	81.4305	5.538	0.54	0.1575	-0.165	15.6675	1
7426_7427	7426	7427	20.145	3.0285	-0.495	0.018	-3.696	-40.2495	1
7427_7427	7427	7427	81.3015	7.1985	0.4695	0.036	4.6035	-33.3645	1
7427_7428	7427	7428	20.079	3.438	-0.513	0.06	-6.567	-59.364	1
7428_7428	7428	7428	76.743	-9.093	-2.301	0.111	7.8465	-75.1035	1
7428_7429	7428	7429	18.966	-0.621	-0.219	-0.813	-7.6515	-57.7395	1
7429_7429	7429	7429	76.4865	7.926	-2.2335	-0.0165	0.855	-47.703	1
7429_7430	7429	7430	18.909	0.2895	-0.711	0.867	-9.8115	-58.4895	1
7430_7430	7430	7430	80.412	-6.7965	0.0495	-0.075	0.7605	-66.018	1
7430_7431	7430	7431	18.5835	-3.255	0.816	-0.081	-6.0435	-37.9425	1
7431_7431	7431	7431	80.535	-5.1585	-0.0675	-0.1365	1.047	-28.2345	1
7431_7432	7431	7432	18.6465	-2.877	0.7875	-0.0105	0.954	-12.477	1
7432_7432	7432	7432	86.109	-2.565	0.069	-0.111	0.2445	17.436	1
7432_7433	7432	7433	19.365	-2.223	-0.0525	-0.033	0.2385	19.632	1
7433_7433	7433	7433	93.24	-0.156	-0.111	-0.117	1.092	54.4185	1
7433_7434	7433	7434	20.1525	-1.584	-0.114	-0.051	-0.51	30.948	1
7434_7434	7434	7434	93.2175	2.052	-0.162	-0.0945	0.2745	55.545	1
7434_7435	7434	7435	20.184	-1.1055	-0.1245	-0.021	-1.416	38.922	1
7435_7435	7435	7435	103.5075	4.812	2.28	0.045	-0.9975	40.7475	1
7435_7436	7435	7436	21.123	-0.5175	1.3005	0.015	12.816	44.0955	1
7436_7436	7436	7436	103.3665	7.263	2.1285	-0.5385	23.904	-11.802	1
7436_7437	7436	7437	21.132	-0.018	1.269	-0.222	17.217	44.163	1
7437_7437	7437	7437	103.4955	9.0255	-2.4075	0.069	32.961	-37.1145	1
7437_7072	7437	7072	21.1845	-0.0135	0.324	0.051	19.44	44.217	1
7440_7094	7440	7094	101.8395	-8.7735	2.4165	-0.072	16.056	-69.177	1
7440_7441	7440	7441	22.896	0.0345	-0.663	-0.0495	13.0905	48.2895	1
7441_7441	7441	7441	101.67	-7.0425	-1.755	0.4515	24.378	-33.228	1
7441_7442	7441	7442	22.821	0.033	-0.942	0.2085	9.0375	48.177	1
7442_7442	7442	7442	101.8095	-4.5765	-1.782	0.006	18.255	-8.6505	1
7442_7443	7442	7443	22.8135	0.585	-0.948	0.0015	-1.2975	41.7855	1
7443_7443	7443	7443	91.668	-1.92	0.126	0.135	-0.996	41.3055	1
7443_7444	7443	7444	21.654	1.212	0.1035	0.042	-0.5085	33.615	1
7444_7444	7444	7444	91.6875	0.252	0.1515	0.1215	-0.0915	55.1475	1
7444_7445	7444	7445	21.6195	1.725	0.1095	0.045	0.2775	21.183	1
7445_7445	7445	7445	84.7245	2.5485	-0.105	0.135	1.191	53.3235	1
7445_7446	7445	7446	20.5785	2.3895	0.0375	0.039	0.795	-13.203	1
7446_7446	7446	7446	79.233	5.1045	0.345	0.183	-0.1155	16.5615	1
7446_7447	7446	7447	19.6335	3.084	-0.546	0.045	-4.023	-40.5645	1
7447_7447	7447	7447	79.1145	6.699	0.168	0.063	2.907	-28.6065	1
7447_7448	7447	7448	19.566	3.4785	-0.591	0.0405	-7.35	-59.898	1
7448_7448	7448	7448	74.8605	-9.1785	-2.3025	-0.3165	4.527	-67.455	1
7448_7449	7448	7449	19.1205	-0.5685	-0.1125	-1.2555	-8.1675	-58.4355	1
7449_7449	7449	7449	74.5785	7.9395	-2.226	0.402	-2.4555	-39.8115	1
7449_7450	7449	7450	19.0575	0.2745	-0.639	1.3245	-10.116	-59.235	1
7450_7450	7450	7450	76.515	-6.501	-0.4515	-0.096	6.189	-65.088	1
7450_7451	7450	7451	18	-3.6825	0.729	-0.021	-5.415	-38.7825	1
7451_7451	7451	7451	76.6305	-4.962	-0.4245	-0.1605	3.6705	-28.9425	1
7451_7452	7451	7452	18.069	-3.3195	0.735	0.1005	1.086	-9.4065	1
7452_7452	7452	7452	82.1055	-2.505	0.096	-0.132	-0.336	14.9595	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7452_7453	7452	7453	17.529	-2.634	-0.096	0.057	-0.198	28.6515	1
7453_7453	7453	7453	89.0625	-0.3165	-0.1005	-0.1305	0.8295	51.0975	1
7453_7454	7453	7454	17.0595	-1.998	0.0645	0.051	0.384	42.879	1
7454_7454	7454	7454	89.046	1.794	-0.123	-0.12	0.096	53.3745	1
7454_7455	7454	7455	17.1015	-1.5945	0.06	0.0525	0.819	54.369	1
7455_7455	7455	7455	99.1395	4.359	1.617	-0.015	-1.0065	40.4385	1
7455_7456	7455	7456	17.502	-0.453	0.5265	-0.012	4.9695	35.871	1
7456_7456	7456	7456	99.0135	6.6615	1.533	-0.408	16.65	-7.1775	1
7456_7457	7456	7457	17.5095	-0.0465	0.5115	-0.096	6.738	36.0345	1
7457_7457	7457	7457	99.186	8.4495	-2.0805	0.06	23.391	-30.348	1
7457_7110	7457	7110	17.5695	-0.063	0.7485	0.03	10.2195	36.2895	1
7460_7132	7460	7132	115.6665	-15.063	1.635	-0.0555	13.8255	-99.9825	1
7460_7461	7460	7461	27.609	-1.728	-0.2865	-0.036	12.153	51.8535	1
7461_7461	7461	7461	115.983	-8.3955	-1.5675	0.3585	20.448	-26.1525	1
7461_7462	7461	7462	27.5775	-0.5055	-0.8835	0.228	8.274	53.6145	1
7462_7462	7462	7462	116.1525	-5.61	-1.4625	-0.003	14.985	3.138	1
7462_7463	7462	7463	27.5835	0.1575	-0.858	-0.0195	-1.1115	51.9015	1
7463_7463	7463	7463	107.9325	-2.6985	0.0555	0.147	-0.969	64.4055	1
7463_7464	7463	7464	26.997	0.9705	0.0885	0.054	-0.5715	45.1545	1
7464_7464	7464	7464	107.9655	-0.1395	0.21	0.0405	-0.6075	83.85	1
7464_7465	7464	7465	26.9655	1.6095	0.129	0.003	0.3315	33.558	1
7465_7465	7465	7465	102.9855	2.4345	-0.024	0.0975	0.957	84.843	1
7465_7466	7465	7466	26.4885	2.451	0.0195	0.021	0.5025	-1.7595	1
7466_7466	7466	7466	99.8295	5.373	-0.3945	0.078	0.7605	49.116	1
7466_7467	7466	7467	26.106	3.3255	-0.252	-0.0045	-1.806	-31.3395	1
7467_7467	7467	7467	99.699	7.347	-0.297	0.132	-2.7195	2.8605	1
7467_7468	7467	7468	26.0325	3.861	-0.225	0.0615	-3.0465	-52.7985	1
7468_7468	7468	7468	97.7355	-13.6485	-0.36	-0.1575	-4.563	-39.7275	1
7468_7469	7468	7469	26.1225	-1.7205	0.753	-0.489	-0.993	-47.6085	1
7469_7469	7469	7469	91.4655	13.6845	0.4965	-0.084	-4.6275	26.1765	1
7469_7470	7469	7470	25.002	2.3805	-0.516	0.3405	-2.247	-29.286	1
7470_7470	7470	7470	93.8235	-6.063	0.246	-0.1155	-3.066	-15.1875	1
7470_7471	7470	7471	25.1505	-2.979	0.1665	-0.03	-1.212	-12.7245	1
7471_7471	7471	7471	93.93	-4.089	0.264	-0.084	-1.6995	18.5055	1
7471_7472	7471	7472	25.2075	-2.451	0.171	-0.0015	0.3075	8.9955	1
7472_7472	7472	7472	97.3905	-1.506	0.0195	-0.0945	0.4455	54.756	1
7472_7473	7472	7473	25.728	-1.677	-0.0135	-0.012	0.15	33.213	1
7473_7473	7473	7473	102.801	0.975	-0.0195	-0.132	0.648	76.443	1
7473_7474	7473	7474	26.4585	-0.897	-0.045	-0.048	-0.1065	39.5235	1
7474_7474	7474	7474	102.75	3.3645	-0.1635	-0.045	0.477	69.408	1
7474_7475	7474	7475	26.472	-0.282	-0.0825	0.012	-0.72	41.5515	1
7475_7475	7475	7475	111.5055	6.201	1.221	-0.0045	-0.768	45.1605	1
7475_7476	7475	7476	27.3375	0.4335	0.444	0	4.17	36.7305	1
7476_7476	7476	7476	111.324	8.874	1.2435	-0.3015	12.561	-22.5555	1
7476_7477	7476	7477	27.318	1.0905	0.45	-0.108	5.7405	32.928	1
7477_7477	7477	7477	111.5265	10.548	-2.3955	0.0555	18.018	-53.4915	1
7477_7148	7477	7148	27.39	1.08	0.516	0.0255	8.2125	28.509	1
7480_7168	7480	7168	117.5475	-11.0805	2.121	-0.066	9.351	-96.3945	1
7480_7481	7480	7481	30.129	-1.1355	-0.6675	-0.0315	6.3555	42.4845	1
7481_7481	7481	7481	117.423	-9.3855	-1.458	0.249	16.9665	-51.0375	1
7481_7482	7481	7482	30.0585	-1.095	-0.5295	0.195	4.221	46.293	1
7482_7482	7482	7482	117.618	-6.5655	-1.152	0.012	11.8965	-18.2895	1
7482_7483	7482	7483	30.078	-0.372	-0.45	-0.0285	-0.729	50.3655	1
7483_7483	7483	7483	109.0395	-3.426	0.087	0.081	-0.606	53.403	1
7483_7484	7483	7484	29.5605	0.4695	0.0645	0.0135	-0.2625	47.2245	1
7484_7484	7484	7484	109.089	-0.891	0.0915	0.0765	0.027	78.096	1
7484_7485	7484	7485	29.541	1.1565	0.066	0.018	0.2145	38.889	1
7485_7485	7485	7485	103.854	1.8945	-0.0285	0.084	0.801	84.516	1
7485_7486	7485	7486	29.121	2.067	0.0165	0.012	0.432	9.1305	1
7486_7486	7486	7486	100.593	4.83	-0.327	0.0735	0.5835	57.2025	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7486_7487	7486	7487	28.851	2.9925	-0.249	-0.0075	-1.7775	-17.37	1
7487_7487	7487	7487	100.4715	6.897	-0.231	0.108	-2.316	14.4375	1
7487_7488	7487	7488	28.7835	3.585	-0.2205	0.045	-2.9985	-37.2975	1
7488_7488	7488	7488	98.3625	-14.31	-0.6645	-0.0435	-3.693	-23.892	1
7488_7489	7488	7489	28.9215	-2.5875	0.3705	-0.4425	-2.0355	-29.796	1
7489_7489	7489	7489	100.446	14.8005	0.504	0.0525	-5.508	24.9165	1
7489_7490	7489	7490	22.5855	1.9545	-0.591	0.453	-3.3045	-36.1395	1
7490_7490	7490	7490	102.7905	-6.867	0.357	-0.123	-3.888	-19.821	1
7490_7491	7490	7491	22.626	-2.8875	0.255	-0.0285	-1.722	-20.01	1
7491_7491	7491	7491	102.912	-4.707	0.2595	-0.066	-1.914	18.3465	1
7491_7492	7491	7492	22.6815	-2.4105	0.234	-0.012	0.354	1.3605	1
7492_7492	7492	7492	106.4355	-1.7865	0.054	-0.0855	0.24	60.0645	1
7492_7493	7492	7493	23.0715	-1.716	-0.0135	-0.018	0.213	26.094	1
7493_7493	7493	7493	112.0215	1.1115	-0.183	-0.03	0.8925	85.797	1
7493_7494	7493	7494	23.6145	-1.0035	-0.1005	-0.0045	-0.447	33.237	1
7494_7494	7494	7494	111.966	3.714	-0.0315	-0.126	-0.3885	77.7855	1
7494_7495	7494	7495	23.631	-0.4545	-0.0675	-0.0405	-0.9195	36.516	1
7495_7495	7495	7495	120.9585	6.993	1.1805	0.0015	-0.7095	51.0165	1
7495_7496	7495	7496	24.306	0.186	0.606	0.0045	5.712	34.4775	1
7496_7496	7496	7496	120.756	9.8925	1.2045	-0.285	12.1755	-25.3455	1
7496_7497	7496	7497	24.294	0.7695	0.6105	-0.1395	7.8435	31.791	1
7497_7497	7497	7497	120.9105	11.6595	-1.9845	0.0705	17.3715	-59.835	1
7497_7184	7497	7184	24.3465	0.762	0.1815	0.033	9.045	28.671	1
7500_7204	7500	7204	118.803	-9.969	1.677	-0.0825	12.9855	-57.939	1
7500_7501	7500	7501	23.1225	0.051	-0.579	-0.0435	8.5845	48.9285	1
7501_7501	7501	7501	118.734	-8.067	-1.2855	0.3585	19.041	-17.1165	1
7501_7502	7501	7502	23.079	0.0375	-0.618	0.1395	6.1035	48.7995	1
7502_7502	7502	7502	118.893	-5.2155	-1.3095	0.0105	14.5635	11.0205	1
7502_7503	7502	7503	23.07	0.5925	-0.6225	0.003	-0.6885	42.336	1
7503_7503	7503	7503	107.7705	-1.6425	0.1005	0.063	0.24	70.122	1
7503_7504	7503	7504	21.7905	1.194	0.069	0.003	-0.21	33.732	1
7504_7504	7504	7504	107.7825	0.756	-0.0465	0.15	1.0095	80.586	1
7504_7505	7504	7505	21.7575	1.6995	0.039	0.0525	0.0825	21.4725	1
7505_7505	7505	7505	99.42	3.858	-0.006	0.108	0.6855	75.1335	1
7505_7506	7505	7506	20.5575	2.3685	0.0525	0.024	0.795	-12.546	1
7506_7506	7506	7506	92.5665	6.975	-0.0135	0.1005	0.72	19.5	1
7506_7507	7506	7507	19.461	3.042	-0.639	-0.024	-4.884	-39.54	1
7507_7507	7507	7507	92.403	8.877	0.0765	0.1275	0.624	-42.2535	1
7507_7508	7507	7508	19.395	3.441	-0.6195	0.1125	-8.31	-58.6695	1
7508_7508	7508	7508	86.85	-9.573	-2.265	-0.8655	1.293	-93.6075	1
7508_7509	7508	7509	18.732	-0.552	-0.0405	-1.4055	-8.8365	-57.2445	1
7509_7509	7509	7509	86.6655	8.775	-2.3775	0.9045	-5.5605	-64.8015	1
7509_7510	7509	7510	18.6675	0.294	-0.624	1.446	-10.7295	-58.2165	1
7510_7510	7510	7510	86.79	-7.0095	-0.504	-0.036	7.8405	-53.9715	1
7510_7511	7510	7511	19.641	-2.9565	0.2175	-0.042	-1.386	-31.6425	1
7511_7511	7511	7511	86.9145	-5.223	-0.5865	-0.153	5.046	-15.018	1
7511_7512	7511	7512	19.698	-2.5515	0.198	-0.0435	0.3765	-9.0465	1
7512_7512	7512	7512	94.611	-2.3115	0.0885	-0.1095	-0.3015	31.224	1
7512_7513	7512	7513	21.081	-1.869	-0.0105	-0.0405	0.2025	18.042	1
7513_7513	7513	7513	103.914	0.624	-0.0795	-0.102	0.861	64.5615	1
7513_7514	7513	7514	22.578	-1.206	-0.072	-0.0465	-0.321	26.6385	1
7514_7514	7514	7514	103.872	3.039	-0.084	-0.1065	0.282	60.0615	1
7514_7515	7514	7515	22.6005	-0.681	-0.0735	-0.0375	-0.8535	31.542	1
7515_7515	7515	7515	115.965	6.453	1.3575	0.0345	-0.4545	38.1615	1
7515_7516	7515	7516	24.186	-0.0615	0.633	-0.0465	6.0015	32.1555	1
7516_7516	7516	7516	115.782	9.231	0.834	-0.459	14.4	-32.283	1
7516_7517	7516	7517	24.183	0.519	0.522	-0.042	7.779	30.354	1
7517_7517	7517	7517	115.8495	11.2275	-1.8165	0.051	18.1485	-64.419	1
7517_7220	7517	7220	24.234	0.4995	0.9555	0.0555	11.8155	28.338	1
7520_7240	7520	7240	125.1285	11.1225	5.6115	0.6405	20.1255	-29.2365	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7520_7521	7520	7521	26.994	4.968	1.731	-0.2985	19.2045	59.1705	1
7521_7521	7521	7521	126.6225	-9.3255	-1.956	0.5835	31.806	-37.338	1
7521_7522	7521	7522	28.0485	0.0735	-1.1955	0.252	14.595	58.677	1
7522_7522	7522	7522	126.8205	-6.9255	-2.202	-0.0315	25.1325	-22.9965	1
7522_7523	7522	7523	28.0365	0.744	-1.254	0.0225	0.9375	50.5455	1
7523_7523	7523	7523	116.3145	-3.063	0.045	0.003	0.5145	52.581	1
7523_7524	7523	7524	26.3985	1.362	-0.0105	0.012	0.7215	40.6905	1
7524_7524	7524	7524	116.3595	-0.747	-0.1875	0.1215	1.002	69.306	1
7524_7525	7524	7525	26.361	1.974	-0.063	0.0735	0.2925	26.4495	1
7525_7525	7525	7525	107.9115	2.829	0.0735	0.078	-0.7185	73.2285	1
7525_7526	7525	7526	25.3455	2.7855	-0.0015	0.051	0.18	-13.5405	1
7526_7526	7526	7526	100.7055	6.585	-1.5795	0.021	-0.0495	32.394	1
7526_7527	7526	7527	24.699	3.7395	-1.377	0.024	-12.1635	-46.7235	1
7527_7527	7527	7527	100.545	8.6535	-1.857	0.2415	-14.0685	-25.8945	1
7527_7528	7527	7528	24.6135	4.245	-1.4475	0.1515	-20.2605	-70.299	1
7528_7528	7528	7528	92.892	-11.3385	0.1665	-2.739	-25.1055	-77.1885	1
7528_7529	7528	7529	23.5995	-0.99	0.576	-2.2305	-19.0665	-67.116	1
7529_7529	7529	7529	92.5005	9.8325	-1.5135	3.0255	-24.963	-52.134	1
7529_7530	7529	7530	23.3535	0.357	-0.72	2.4135	-21.2835	-69.252	1
7530_7530	7530	7530	99.423	-7.7805	-1.2525	0.168	22.6935	-50.9475	1
7530_7531	7530	7531	23.757	-3.6885	-0.336	0.1035	4.098	-37.962	1
7531_7531	7531	7531	99.5595	-5.7105	-1.599	-0.1845	15.741	-7.6785	1
7531_7532	7531	7532	23.8275	-3.1935	-0.4215	-0.111	0.42	-9.6615	1
7532_7532	7532	7532	106.761	-2.511	-0.009	-0.072	1.1805	39.714	1
7532_7533	7532	7533	25.5	-2.349	0.0165	-0.0435	0.612	24.288	1
7533_7533	7533	7533	114.9465	1.215	0.012	-0.1365	0.6	75.879	1
7533_7534	7533	7534	27.3465	-1.53	-0.0105	-0.0855	0.4485	35.3175	1
7534_7534	7534	7534	114.888	3.8445	-0.2385	-0.0045	0.6375	67.116	1
7534_7535	7534	7535	27.3735	-0.9045	-0.072	-0.0165	-0.0945	41.8305	1
7535_7535	7535	7535	123.5595	7.9035	0.57	0.0105	-1.518	39.435	1
7535_7536	7535	7536	29.247	-0.1005	0.174	-0.0735	1.704	42.5955	1
7536_7536	7536	7536	123.3375	10.8375	0.2295	-0.234	4.7475	-46.926	1
7536_7537	7536	7537	29.241	0.594	0.0915	0.006	1.992	40.524	1
7537_7537	7537	7537	123.351	12.582	0.1545	0.504	5.2845	-84.54	1
7537_7253	7537	7253	29.193	0.6135	0.4935	0.3915	3.9195	38.0805	1
7540_7275	7540	7275	128.1945	-10.953	-3.5955	-0.9765	0.4005	-88.6695	1
7540_7541	7540	7541	24.6345	0.4185	0.183	-0.096	13.8015	62.0205	1
7541_7541	7541	7541	126.297	-9.8145	1.071	-0.1305	-15.1425	-43.6215	1
7541_7542	7541	7542	25.0125	0.477	-0.8325	0.117	10.362	60.4185	1
7542_7542	7542	7542	126.504	-6.6825	0.807	0.132	-11.4015	-9.303	1
7542_7543	7542	7543	24.9915	1.095	-0.8865	-0.0105	0.7275	48.456	1
7543_7543	7543	7543	117.5955	-2.901	0.384	-0.0375	-3.279	57.3885	1
7543_7544	7543	7544	22.809	1.56	0.0225	0.0015	0.741	37.5315	1
7544_7544	7544	7544	117.6315	-0.1275	0.054	0.195	-0.4305	78.3045	1
7544_7545	7544	7545	22.7655	2.097	-0.0435	0.0885	0.465	22.419	1
7545_7545	7545	7545	109.6335	3.7335	-0.0045	0.105	-0.762	78.9975	1
7545_7546	7545	7546	21.495	2.772	-0.0345	0.069	-0.1485	-17.4135	1
7546_7546	7546	7546	103.4565	7.908	-2.9835	-0.009	-1.542	24.981	1
7546_7547	7546	7547	20.91	3.7005	-1.5465	0.048	-14.0565	-50.2455	1
7547_7547	7547	7547	103.257	10.077	-3.3165	0.4395	-28.0275	-45.0315	1
7547_7548	7547	7548	20.823	4.137	-1.617	0.1875	-23.1045	-73.2045	1
7548_7548	7548	7548	94.251	-11.0085	1.449	-5.688	-47.223	-99.774	1
7548_7549	7548	7549	19.0185	-0.351	0.6525	-2.979	-21.5955	-72.1575	1
7549_7549	7549	7549	93.5865	8.64	-1.941	6.2745	-43.14	-70.7715	1
7549_7550	7549	7550	18.567	-0.81	-1.0125	3.3375	-24.777	-71.946	1
7550_7550	7550	7550	98.1585	-6.2355	-2.346	0.2865	39.7605	-8.0445	1
7550_7551	7550	7551	16.407	-4.344	1.6245	-0.0615	-15.3165	-46.86	1
7551_7551	7551	7551	98.2725	-3.93	-2.5815	-0.27	26.463	27.2565	1
7551_7552	7551	7552	16.5075	-3.96	1.581	0.186	-1.9455	-13.5135	1
7552_7552	7552	7552	102.2985	0.696	-0.219	-0.075	4.284	61.614	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7552_7553	7552	7553	16.302	-3.444	0.24	0.057	1.593	35.1015	1
7553_7553	7553	7553	107.16	4.731	-0.2715	-0.0765	0.699	53.2515	1
7553_7554	7553	7554	15.7515	-2.736	0.201	0.0195	3.039	53.9445	1
7554_7554	7554	7554	107.0055	7.4385	-0.417	-0.018	-1.221	19.92	1
7554_7555	7554	7555	15.816	-2.337	0.177	0.0195	4.2615	70.3995	1
7555_7555	7555	7555	111.759	11.4645	-0.27	0.012	-4.431	-22.197	1
7555_7556	7555	7556	15.7515	-1.725	-0.4275	-0.0255	-0.4275	86.397	1
7556_7556	7556	7556	111.3945	14.586	-0.3195	0.1515	-7.2945	-144.324	1
7556_7557	7556	7557	15.792	-1.284	-0.435	0.0255	-1.929	90.801	1
7557_7557	7557	7557	110.874	7.272	3.168	0.5895	-8.8185	-193.572	1
7557_7288	7557	7288	16.98	-2.985	-4.1835	-0.417	-19.383	103.0155	1
47000_7000	47000	7000	2.193	22.899	-1.338	-0.732	0	16.854	1
47000_7001	47000	7001	0.8925	4.8555	-1.1055	-0.924	-11.616	-43.59	1
47001_7001	47001	7001	2.193	22.899	-1.338	-0.732	-14.0595	-223.739	1
47001_7002	47001	7002	0.8925	4.8555	-1.1055	-0.9225	-22.005	-89.2095	1
47002_7002	47002	7002	2.202	26.5425	0.663	-0.7815	-26.634	-438.936	1
47002_7003	47002	7003	0.8985	4.9845	0.225	-1.128	-19.281	-149.558	1
47003_7003	47003	7003	2.2035	26.5425	0.6615	-1.4865	-18.6	-760.304	1
47003_7004	47003	7004	0.8985	4.9845	0.2235	-1.2675	-16.566	-209.948	1
47004_7004	47004	7004	2.2005	35.061	-0.0015	0.264	-10.5855	-1081.98	1
47004_7005	47004	7005	0.897	4.947	-0.075	-0.8175	-17.4675	-269.826	1
47005_7005	47005	7005	2.2005	35.061	-0.0045	-2.364	-10.599	-1506.39	1
47005_7006	47005	7006	0.897	4.947	-0.0765	-1.2885	-18.39	-329.738	1
47006_7006	47006	7006	2.2005	49.2105	-0.147	1.197	-10.6605	-1931.04	1
47006_7007	47006	7007	0.8955	5.043	-0.2925	-0.6135	-21.9285	-390.809	1
47007_7007	47007	7007	2.2005	-5.9895	-0.1515	-3.207	-12.4455	-2527.02	1
47007_7008	47007	7008	0.8955	5.043	-0.294	-1.2945	-25.4895	-451.913	1
47008_7008	47008	7008	2.2005	11.2335	-0.3165	1.5225	-14.277	-2454.44	1
47008_7009	47008	7009	0.8955	5.1585	-0.321	-0.3105	-29.3835	-514.37	1
47009_7009	47009	7009	2.199	-17.655	-0.321	-2.9895	-18.1125	-2590.44	1
47009_7010	47009	7010	0.894	5.1585	-0.3225	-1.206	-33.2985	-576.861	1
47010_7010	47010	7010	2.199	-32.8575	-0.252	1.1565	-21.9975	-2376.7	1
47010_7011	47010	7011	0.894	5.376	-0.315	0.012	-37.1145	-641.997	1
47011_7011	47011	7011	2.199	-41.583	-0.255	-2.0865	-25.041	-1978.69	1
47011_7012	47011	7012	0.894	5.376	-0.3165	-1.041	-40.9455	-707.111	1
47012_7012	47012	7012	2.1975	-30.0675	-0.4785	0.7665	-28.128	-1475.09	1
47012_7013	47012	7013	0.894	5.799	-0.3375	0.45	-45.033	-777.336	1
47013_7013	47013	7013	2.196	-30.0675	-0.4815	-1.1655	-33.918	-1110.98	1
47013_7014	47013	7014	0.8925	5.799	-0.339	-0.9015	-49.1415	-847.599	1
47014_7014	47014	7014	2.1975	-23.412	-0.2175	0.021	-39.756	-746.703	1
47014_7015	47014	7015	0.8925	6.2955	-0.339	0.3075	-54.5235	-947.34	1
47015_7015	47015	7015	2.64	-65.289	-0.4305	-0.9405	-55.473	-1948.02	1
47015_7016	47015	7016	0.837	6.303	-0.3405	-0.1695	-57.3405	-998.889	1
47016_7016	47016	7016	3.5655	-60.1635	0.003	0.8115	-59.2635	-1749.32	1
47016_7017	47016	7017	0.6945	7.6275	-0.162	0.81	-57.414	-1070.46	1
47017_7017	47017	7017	5.463	-70.194	0.0975	-0.1275	-58.0335	-1522.08	1
47017_7018	47017	7018	0.507	7.6185	-0.1605	0.198	-58.998	-1165.51	1
47018_7018	47018	7018	7.4175	-74.4405	-0.3015	0.342	-53.349	-1114.71	1
47018_7019	47018	7019	0.2475	8.514	-0.063	1.6755	-59.769	-1272.24	1
47019_7019	47019	7019	10.329	-85.4925	-0.2415	0.681	-53.5185	-694.859	1
47019_7020	47019	7020	0.2595	-1.71	0.147	-0.2355	29.235	464.202	1
47020_7020	47020	7020	18.471	-1.407	0.651	0.576	-43.368	-214.08	1
47020_7021	47020	7021	91.0245	2.5335	-0.6555	-1.149	73.851	16.089	1
47021_7021	47021	7021	18.4725	-1.407	0.6405	0.303	-37.1865	-196.25	1
47021_7022	47021	7022	91.023	2.5335	-0.7095	-0.9675	68.355	18.456	1
47022_7022	47022	7022	18.4725	-1.407	0.6165	0.066	-32.2275	-185.346	1
47022_7023	47022	7023	91.023	2.5335	-0.8265	-0.9435	61.9545	-1.1655	1
47023_7023	47023	7023	18.474	-1.347	0.4125	0.591	-27.4545	-174.444	1
47023_7024	47023	7024	91.032	3.2895	-1.2555	-1.2705	51.9	-27.501	1
47024_7024	47024	7024	18.474	-1.347	0.3915	0.4095	-24.156	-163.656	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47024_7025	47024	7025	91.0305	3.2895	-1.356	-1.302	41.055	-53.799	1
47025_7025	47025	7025	18.474	-1.347	0.3915	0.4095	-21.027	-152.883	1
47025_7026	47025	7026	91.0305	3.2895	-1.356	-1.302	30.21	-80.1	1
47026_7026	47026	7026	18.474	-1.3545	0.3765	0.648	-17.898	-142.11	1
47026_7027	47026	7027	91.029	4.2495	-1.5315	-1.32	21.0135	-105.608	1
47027_7027	47027	7027	18.474	-1.3545	0.3795	0.672	-15.639	-133.973	1
47027_7028	47027	7028	91.0305	4.2495	-1.515	-1.302	11.9295	-131.081	1
47028_7028	47028	7028	18.4755	-1.3545	0.345	0.441	-13.3635	-125.85	1
47028_7029	47028	7029	91.0275	4.2495	-1.683	-1.542	1.83	-156.588	1
47029_7029	47029	7029	18.4755	-1.3545	0.345	0.441	-11.289	-117.714	1
47029_7030	47029	7030	91.0275	4.2495	-1.683	-1.542	-8.2695	-182.099	1
47030_7030	47030	7030	18.4755	-1.3665	0.339	0.678	-9.2145	-109.581	1
47030_7031	47030	7031	91.026	4.8255	-1.47	-1.266	-20.0145	-220.665	1
47031_7031	47031	7031	18.4755	-1.3665	0.336	0.6645	-6.507	-98.655	1
47031_7032	47031	7032	91.026	4.8255	-1.4805	-1.2945	-31.869	-259.28	1
47032_7032	47032	7032	18.4755	-1.3665	0.3135	0.555	-3.816	-87.717	1
47032_7033	47032	7033	91.0245	4.8255	-1.5945	-1.617	-44.6265	-297.887	1
47033_7033	47033	7033	18.48	-1.3935	0.762	0.561	-1.308	-76.7805	1
47033_7034	47033	7034	91.0245	5.0205	-1.3845	-1.011	-55.35	-336.797	1
47034_7034	47034	7034	18.4785	-1.3935	0.786	0.6465	4.5975	-65.976	1
47034_7035	47034	7035	91.026	5.0205	-1.2675	-0.579	-65.169	-375.705	1
47035_7035	47035	7035	18.48	-1.3935	0.75	0.7305	10.6875	-59.871	1
47035_7036	47035	7036	91.023	5.0205	-1.4415	-1.665	-78.858	-446.528	1
47036_7036	47036	7036	35.4285	64.305	0.222	-1.7925	-44.0385	1065.15	1
47036_7037	47036	7037	18.6555	-11.1015	-0.0915	-1.1415	-40.8855	-1181.23	1
47037_7037	47037	7037	33.726	64.539	0.198	-0.501	-41.4345	279.7155	1
47037_7038	47037	7038	18.939	-10.6095	-0.108	-1.008	-42.1755	-1048.24	1
47038_7038	47038	7038	32.4315	67.074	-0.186	-0.231	-40.0545	-305.435	1
47038_7039	47038	7039	19.2525	-9.1335	0.1065	-0.2505	-40.758	-927.059	1
47039_7039	47039	7039	30.3345	49.0395	-0.216	-1.446	-42.8805	-909.554	1
47039_7040	47039	7040	19.4715	-8.6595	0.0645	-1.251	-39.9465	-823.301	1
47040_7040	47040	7040	29.2575	25.5555	0.105	1.221	-45.426	-1341.54	1
47040_7041	47040	7041	19.6245	-7.1895	0.1395	0.384	-38.8245	-764.024	1
47041_7041	47041	7041	29.0715	7.2225	0.012	-1.3695	-44.8845	-1535.31	1
47041_7042	47041	7042	19.6875	-7.017	0.102	-0.7485	-37.251	-650.16	1
47042_7042	47042	7042	29.07	-3.327	0.3735	1.239	-44.6985	-1646.86	1
47042_7043	47042	7043	19.6875	-6.165	0.2385	0.456	-34.419	-576.81	1
47043_7043	47043	7043	29.0715	-32.6745	0.324	-1.4505	-40.257	-1607.26	1
47043_7044	47043	7044	19.689	-6.165	0.2055	-0.51	-31.98	-503.459	1
47044_7044	47044	7044	29.07	-21.0495	0.1245	0.582	-36.3945	-1218.45	1
47044_7045	47044	7045	19.689	-5.8275	0.153	0.4605	-30.153	-434.072	1
47045_7045	47045	7045	29.0715	-21.0495	0.102	-0.156	-34.9185	-967.812	1
47045_7046	47045	7046	19.689	-5.8275	0.138	0.129	-28.5075	-364.746	1
47046_7046	47046	7046	29.07	-14.328	0.051	0.852	-33.7065	-717.341	1
47046_7047	47046	7047	19.689	-5.7	0.1455	0.7605	-26.7795	-296.892	1
47047_7047	47047	7047	29.07	-14.328	0.0015	-0.063	-33.1065	-546.768	1
47047_7048	47047	7048	19.689	-5.7	0.1125	0.264	-25.443	-229.047	1
47048_7048	47048	7048	29.07	-11.1345	0.036	0.684	-33.0855	-376.202	1
47048_7049	47048	7049	19.689	-5.763	0.138	0.741	-23.808	-160.467	1
47049_7049	47049	7049	29.07	-11.1345	0.0105	0.48	-32.6625	-243.68	1
47049_7050	47049	7050	19.689	-5.763	0.1215	0.6075	-22.3695	-91.8885	1
47050_7050	47050	7050	29.0715	-10.2435	0.177	0.6345	-32.529	-111.152	1
47050_7051	47050	7051	19.6905	-5.961	0.276	0.6765	-18.12	0.0255	1
47051_7051	47051	7051	29.157	-9.999	0.129	0.9765	-29.7915	43.9545	1
47051_7052	47051	7052	19.74	-5.7945	0.243	0.852	-16.1145	45.87	1
47052_7052	47052	7052	29.3175	-9.8145	0.3105	0.2805	-28.7415	126.405	1
47052_7053	47052	7053	19.8375	-5.8245	0.3765	0.4275	-11.6865	114.3705	1
47053_7053	47053	7053	29.5575	-9.066	0.246	1.5345	-25.0425	232.404	1
47053_7054	47053	7054	19.98	-5.319	0.333	1.0875	-7.2375	178.533	1
47054_7054	47054	7054	29.8005	-8.655	0.003	0.513	-21.849	352.668	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47054_7055	47054	7055	20.127	-5.0805	-0.072	0.537	-8.157	242.202	1
47055_7055	47055	7055	30.015	-7.8765	-0.0435	1.812	-21.717	461.1315	1
47055_7056	47055	7056	20.253	-4.5555	-0.1035	1.134	-9.3915	299.4165	1
47056_7056	47056	7056	16.4055	-1.1805	0.351	0.573	-23.592	-181.848	1
47056_7057	47056	7057	78.528	2.085	-0.798	-1.296	64.224	-47.457	1
47057_7057	47057	7057	16.4055	-1.1805	0.3315	0.3585	-20.256	-169.752	1
47057_7058	47057	7058	78.5265	2.085	-0.888	-1.302	57.3375	-59.3925	1
47058_7058	47058	7058	16.4055	-1.1805	0.3105	0.1515	-17.6805	-160.608	1
47058_7059	47058	7059	78.525	2.085	-0.99	-1.3785	49.6695	-75.5475	1
47059_7059	47059	7059	16.4055	-1.146	0.147	0.672	-15.27	-151.464	1
47059_7060	47059	7060	78.5175	2.9715	-1.089	-1.4415	40.9665	-99.3015	1
47060_7060	47060	7060	16.407	-1.146	0.126	0.4815	-14.094	-142.31	1
47060_7061	47060	7061	78.516	2.9715	-1.194	-1.575	31.413	-123.078	1
47061_7061	47061	7061	16.407	-1.146	0.105	0.3165	-13.0905	-133.145	1
47061_7062	47061	7062	78.5145	2.9715	-1.2915	-1.728	21.078	-146.853	1
47062_7062	47062	7062	16.407	-1.158	0.1515	0.696	-12.252	-123.981	1
47062_7063	47062	7063	78.5145	4.074	-1.3155	-1.476	13.179	-171.303	1
47063_7063	47063	7063	16.407	-1.158	0.1245	0.5025	-11.34	-117.026	1
47063_7064	47063	7064	78.5115	4.074	-1.446	-1.761	4.497	-195.759	1
47064_7064	47064	7064	16.407	-1.158	0.126	0.5145	-10.59	-110.069	1
47064_7065	47064	7065	78.5115	4.074	-1.437	-1.7385	-4.116	-220.179	1
47065_7065	47065	7065	16.407	-1.158	0.1245	0.5025	-9.831	-103.125	1
47065_7066	47065	7066	78.5115	4.074	-1.446	-1.764	-12.798	-244.638	1
47066_7066	47066	7066	16.407	-1.161	0.063	0.6225	-9.0825	-96.171	1
47066_7067	47066	7067	78.51	4.812	-1.338	-1.6215	-23.502	-283.133	1
47067_7067	47067	7067	16.407	-1.161	0.063	0.6225	-8.577	-86.8875	1
47067_7068	47067	7068	78.51	4.812	-1.338	-1.6215	-34.206	-321.621	1
47068_7068	47068	7068	16.407	-1.161	0.0615	0.6165	-8.073	-77.604	1
47068_7069	47068	7069	78.51	4.812	-1.3455	-1.6485	-44.976	-360.156	1
47069_7069	47069	7069	16.41	-1.185	0.4305	0.684	-7.578	-68.31	1
47069_7070	47069	7070	78.5145	5.115	-1.314	-0.9045	-55.152	-399.791	1
47070_7070	47070	7070	16.41	-1.185	0.4095	0.609	-4.2465	-59.136	1
47070_7071	47070	7071	78.5115	5.115	-1.4145	-1.419	-66.111	-439.404	1
47071_7071	47071	7071	16.41	-1.185	0.408	0.6345	-1.0785	-51.201	1
47071_7072	47071	7072	78.5115	5.115	-1.422	-1.569	-79.6245	-493.913	1
47072_7072	47072	7072	29.7165	69.7245	0.3555	-1.6875	-44.5185	808.512	1
47072_7073	47072	7073	11.127	-9.387	0.1635	-1.272	-41.409	-1160.06	1
47073_7073	47073	7073	27.894	70.473	0.3375	-0.699	-40.074	-67.761	1
47073_7074	47073	7074	11.3685	-9.0945	0.153	-1.1175	-39.4335	-1046.03	1
47074_7074	47074	7074	26.2755	66.072	-0.3075	-0.435	-37.86	-414.764	1
47074_7075	47074	7075	11.6235	-8.133	-0.0195	-0.444	-39.693	-938.208	1
47075_7075	47075	7075	23.9985	47.8665	-0.309	-1.338	-42.165	-1012.18	1
47075_7076	47075	7076	11.8275	-7.833	-0.0405	-1.089	-40.1325	-842.264	1
47076_7076	47076	7076	23.1615	25.1805	0.255	0.39	-46.002	-1419.01	1
47076_7077	47076	7077	11.9655	-6.4245	0.1605	-0.0525	-38.8215	-789.248	1
47077_7077	47077	7077	22.9485	4.1055	0.258	-0.975	-43.3995	-1606.21	1
47077_7078	47077	7078	12.0195	-6.3225	0.147	-0.5895	-36.768	-705.144	1
47078_7078	47078	7078	22.95	-17.4375	0.2565	0.5715	-40.713	-1769.81	1
47078_7079	47078	7079	12.021	-5.8575	0.213	0.234	-34.3905	-639.555	1
47079_7079	47079	7079	22.95	-29.781	0.237	-0.756	-37.848	-1574.57	1
47079_7080	47079	7080	12.021	-5.8575	0.2025	-0.3045	-32.1285	-574.029	1
47080_7080	47080	7080	22.95	-19.3575	0.102	0.6255	-35.202	-1241.46	1
47080_7081	47080	7081	12.021	-5.5395	0.171	0.465	-30.2175	-512.067	1
47081_7081	47081	7081	22.95	-19.3575	0.0795	-0.3375	-34.0695	-1024.94	1
47081_7082	47081	7082	12.021	-5.5395	0.159	-0.0165	-28.4325	-450.048	1
47082_7082	47082	7082	22.9515	-12.96	0.1245	0.633	-33.177	-808.257	1
47082_7083	47082	7083	12.021	-5.382	0.1785	0.6285	-26.2845	-385.335	1
47083_7083	47083	7083	22.9515	-12.96	0.1065	0.0915	-31.6695	-652.416	1
47083_7084	47083	7084	12.021	-5.382	0.168	0.3075	-24.2565	-320.619	1
47084_7084	47084	7084	22.9515	-9.8055	0.0915	0.708	-30.393	-496.589	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47084_7085	47084	7085	12.021	-5.3445	0.1635	0.741	-22.419	-260.808	1
47085_7085	47085	7085	22.9515	-9.8055	0.072	0.378	-29.3685	-386.847	1
47085_7086	47085	7086	12.0225	-5.3445	0.1545	0.519	-20.6985	-201.05	1
47086_7086	47086	7086	22.9515	-7.908	0.072	0.8685	-27.354	-251.081	1
47086_7087	47086	7087	12.0225	-5.394	0.1305	0.864	-19.2405	-140.684	1
47087_7087	47087	7087	22.9515	-7.908	0.03	0.5775	-26.5515	-162.584	1
47087_7088	47087	7088	12.0225	-5.394	0.1095	0.6135	-18.021	-80.322	1
47088_7088	47088	7088	22.953	-8.016	0.2595	0.777	-26.2095	-74.0955	1
47088_7089	47088	7089	12.0225	-5.5275	0.3195	0.753	-13.7175	-5.961	1
47089_7089	47089	7089	23.0265	-8.4135	0.2115	1.02	-24.2625	36.381	1
47089_7090	47089	7090	12.0705	-5.424	0.297	0.804	-11.259	41.052	1
47090_7090	47090	7090	23.172	-8.514	0.3375	0.5355	-22.5135	105.762	1
47090_7091	47090	7091	12.1635	-5.4345	0.357	0.546	-7.0515	104.9235	1
47091_7091	47091	7091	23.379	-7.929	0.3	1.3815	-18.5085	201.975	1
47091_7092	47091	7092	12.2955	-5.1285	0.339	0.948	-2.5365	170.934	1
47092_7092	47092	7092	24.237	-70.3215	-0.369	0.5985	-39.666	-942.272	1
47092_7093	47092	7093	12.438	-5.025	-0.036	0.543	-2.9985	233.9205	1
47093_7093	47093	7093	26.061	-69.666	-0.399	1.656	-44.2725	-60.8205	1
47093_7094	47093	7094	12.5655	-4.6995	-0.0555	0.993	-3.6405	292.959	1
47094_7094	47094	7094	17.307	0.9165	-0.315	-0.4815	4.9035	-48.099	1
47094_7095	47094	7095	76.923	2.4585	-0.807	-1.2855	58.368	-19.4325	1
47095_7095	47095	7095	17.307	0.9165	-0.3315	-0.519	1.902	-56.118	1
47095_7096	47095	7096	76.923	2.4585	-0.876	-1.2675	51.5805	-35.394	1
47096_7096	47096	7096	17.307	0.9165	-0.354	-0.603	-0.6645	-63.2145	1
47096_7097	47096	7097	76.9215	2.4585	-0.9795	-1.3155	43.989	-54.462	1
47097_7097	47097	7097	17.3055	0.9075	-0.0825	-0.405	-3.4125	-70.32	1
47097_7098	47097	7098	76.9215	3.3045	-1.0515	-1.425	35.5875	-80.8845	1
47098_7098	47098	7098	17.3055	0.9075	-0.105	-0.504	-4.071	-77.571	1
47098_7099	47098	7099	76.9215	3.3045	-1.1505	-1.53	26.382	-107.339	1
47099_7099	47099	7099	17.3055	0.9075	-0.126	-0.6105	-4.911	-84.8295	1
47099_7100	47099	7100	76.92	3.3045	-1.2465	-1.6635	16.407	-133.79	1
47100_7100	47100	7100	17.3055	0.903	-0.168	-0.4515	-5.922	-92.088	1
47100_7101	47100	7101	76.92	4.425	-1.4145	-1.6455	7.929	-160.323	1
47101_7101	47101	7101	17.3055	0.903	-0.198	-0.6195	-6.9285	-97.5015	1
47101_7102	47101	7102	76.917	4.425	-1.5465	-1.9215	-1.356	-186.887	1
47102_7102	47102	7102	17.3055	0.903	-0.1395	-0.276	-8.1135	-102.927	1
47102_7103	47102	7103	76.923	4.425	-1.29	-1.299	-9.1035	-213.461	1
47103_7103	47103	7103	17.3055	0.903	-0.168	-0.4515	-8.9535	-108.35	1
47103_7104	47103	7104	76.92	4.425	-1.4145	-1.6425	-17.5815	-239.982	1
47104_7104	47104	7104	17.3055	0.8835	-0.129	-0.294	-9.96	-113.765	1
47104_7105	47104	7105	76.92	5.1495	-1.2195	-1.329	-27.342	-281.187	1
47105_7105	47105	7105	17.3055	0.8835	-0.15	-0.4455	-10.9935	-120.833	1
47105_7106	47105	7106	76.9185	5.1495	-1.3155	-1.6815	-37.872	-322.395	1
47106_7106	47106	7106	17.3055	0.8835	-0.15	-0.441	-12.1995	-127.901	1
47106_7107	47106	7107	76.9185	5.1495	-1.3125	-1.668	-48.3645	-363.554	1
47107_7107	47107	7107	17.3055	0.9015	-0.27	-0.2415	-13.3995	-134.961	1
47107_7108	47107	7108	76.917	5.4615	-1.233	-1.0605	-57.9225	-405.905	1
47108_7108	47108	7108	17.3055	0.9015	-0.27	-0.2415	-15.4905	-141.954	1
47108_7109	47108	7109	76.917	5.4615	-1.233	-1.0605	-67.479	-448.251	1
47109_7109	47109	7109	17.304	0.9015	-0.2865	-0.4035	-17.5815	-149.868	1
47109_7110	47109	7110	76.9155	5.4615	-1.3095	-1.5735	-79.905	-504.204	1
47110_7110	47110	7110	29.55	68.0685	0.4365	-1.6665	-54.255	778.857	1
47110_7111	47110	7111	11.9475	3.2655	0.066	-0.726	-4.563	183.444	1
47111_7111	47111	7111	27.828	61.656	0.4065	-0.357	-50.547	163.1775	1
47111_7112	47111	7112	11.859	3.576	0.0465	-0.3135	-4.0095	138.606	1
47112_7112	47112	7112	26.565	64.5495	-0.0285	-0.6675	-46.6215	-397.121	1
47112_7113	47112	7113	11.754	3.6855	-0.189	-0.6585	-6.492	89.748	1
47113_7113	47113	7113	24.5655	7.1805	-0.192	-0.3705	-20.694	196.953	1
47113_7114	47113	7114	11.658	3.9795	-0.204	-0.3465	-8.901	44.892	1
47114_7114	47114	7114	24.441	7.0335	-0.03	-0.822	-22.947	112.551	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47114_7115	47114	7115	11.589	3.9705	-0.1575	-0.5685	-10.206	12.1305	1
47115_7115	47115	7115	24.3795	7.2435	-0.0435	-0.5925	-23.2005	53.4675	1
47115_7116	47115	7116	11.5545	4.071	-0.165	-0.48	-12.51	-45.2475	1
47116_7116	47116	7116	24.3795	7.0875	0.054	-0.4725	-23.811	-47.7555	1
47116_7117	47116	7117	11.5545	3.912	-0.06	-0.4545	-13.173	-89.025	1
47117_7117	47117	7117	24.3795	7.0875	0.033	-0.5835	-23.208	-127.071	1
47117_7118	47117	7118	11.5545	3.912	-0.069	-0.5325	-13.95	-132.764	1
47118_7118	47118	7118	24.3795	7.98	0.027	-0.354	-22.8465	-206.298	1
47118_7119	47118	7119	11.5545	3.849	-0.063	-0.426	-14.658	-175.833	1
47119_7119	47119	7119	24.3795	7.98	0.027	-0.354	-22.548	-295.602	1
47119_7120	47119	7120	11.5545	3.849	-0.063	-0.426	-15.366	-218.903	1
47120_7120	47120	7120	24.3795	10.8015	0.0405	0.216	-22.251	-384.944	1
47120_7121	47120	7121	11.5545	3.8505	-0.0765	-0.102	-16.2885	-265.188	1
47121_7121	47121	7121	24.3795	10.8015	-0.0015	-0.6405	-21.774	-514.788	1
47121_7122	47121	7122	11.5545	3.8505	-0.096	-0.543	-17.442	-311.471	1
47122_7122	47122	7122	24.3795	17.082	0.0135	0.3075	-21.783	-644.63	1
47122_7123	47122	7123	11.5545	3.978	-0.0675	-0.0075	-18.204	-355.989	1
47123_7123	47123	7123	24.3795	17.082	-0.009	-0.4395	-21.636	-835.785	1
47123_7124	47123	7124	11.5545	3.978	-0.078	-0.3255	-19.083	-400.506	1
47124_7124	47124	7124	24.3795	27.87	-0.075	1.296	-21.7335	-1026.94	1
47124_7125	47124	7125	11.5545	4.2615	-0.09	0.42	-20.094	-448.2	1
47125_7125	47125	7125	24.3795	14.9475	-0.1185	-1.0965	-22.569	-1338.83	1
47125_7126	47125	7126	11.553	4.2615	-0.111	-0.381	-21.3375	-495.894	1
47126_7126	47126	7126	24.378	-11.9235	-0.1545	0.9825	-23.892	-1506.23	1
47126_7127	47126	7127	11.553	4.749	-0.0825	0.4575	-22.461	-560.118	1
47127_7127	47127	7127	24.5985	-26.0895	-0.1875	-0.546	-25.9905	-1338.66	1
47127_7128	47127	7128	11.538	-5.835	0.351	0.759	-0.5295	118.8855	1
47128_7128	47128	7128	25.4955	-47.886	-0.0045	1.1805	-26.8875	-1275.02	1
47128_7129	47128	7129	11.6385	-5.94	0.339	0.4695	3.4575	188.6925	1
47129_7129	47129	7129	27.7275	-66.1725	-0.018	0.0585	-27.174	-993.891	1
47129_7130	47129	7130	11.787	-5.64	0.315	0.876	7.671	259.8315	1
47130_7130	47130	7130	29.1915	-68.1465	0.8835	0.582	-26.775	-536.775	1
47130_7131	47130	7131	11.9415	-5.5635	0.3045	0.7305	11.517	329.5755	1
47131_7131	47131	7131	31.527	-69.8445	0.864	1.269	-15.4755	224.3175	1
47131_7132	47131	7132	12.12	-5.1645	0.297	0.573	15.051	390.249	1
47132_7132	47132	7132	19.7595	0.1335	-0.057	-0.654	-8.4765	-102.092	1
47132_7133	47132	7133	85.41	-0.333	0.3495	-1.071	22.8195	-142.665	1
47133_7133	47133	7133	19.7595	0.1335	-0.0315	-0.5145	-9.0585	-99.2025	1
47133_7134	47133	7134	85.41	-0.333	0.459	-0.9855	26.3775	-121.665	1
47134_7134	47134	7134	19.7595	0.1335	0.0195	-0.2565	-9.297	-100.233	1
47134_7135	47134	7135	85.4085	-0.333	0.6795	-0.672	31.647	-119.079	1
47135_7135	47135	7135	19.761	0.2145	-0.111	-0.3195	-9.1425	-101.267	1
47135_7136	47135	7136	85.407	1.383	-1.074	-0.927	23.07	-130.142	1
47136_7136	47136	7136	19.761	0.2145	-0.135	-0.4485	-10.0245	-102.986	1
47136_7137	47136	7137	85.4055	1.383	-1.1805	-1.0905	13.6215	-141.207	1
47137_7137	47137	7137	19.761	0.2145	-0.135	-0.4485	-11.1045	-104.706	1
47137_7138	47137	7138	85.4055	1.383	-1.1805	-1.0905	4.1745	-152.273	1
47138_7138	47138	7138	19.7595	0.186	0.006	-0.2055	-12.186	-106.427	1
47138_7139	47138	7139	85.404	2.3655	-0.7455	-0.912	-0.3015	-166.458	1
47139_7139	47139	7139	19.7595	0.186	-0.027	-0.384	-12.147	-107.54	1
47139_7140	47139	7140	85.4025	2.3655	-0.888	-1.1895	-5.6325	-180.648	1
47140_7140	47140	7140	19.7595	0.186	-0.027	-0.384	-12.3045	-108.654	1
47140_7141	47140	7141	85.4025	2.3655	-0.888	-1.1895	-10.9635	-194.84	1
47141_7141	47141	7141	19.7595	0.186	-0.027	-0.384	-12.4635	-109.767	1
47141_7142	47141	7142	85.4025	2.3655	-0.888	-1.1895	-16.2945	-209.031	1
47142_7142	47142	7142	19.7595	0.1815	-0.0105	-0.1815	-12.621	-110.882	1
47142_7143	47142	7143	85.404	3.051	-0.7095	-0.8475	-21.9735	-233.432	1
47143_7143	47143	7143	19.7595	0.1815	-0.036	-0.3225	-12.7095	-112.329	1
47143_7144	47143	7144	85.4025	3.051	-0.816	-1.1385	-28.506	-257.838	1
47144_7144	47144	7144	19.7595	0.1815	-0.036	-0.3225	-12.9945	-113.778	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47144_7145	47144	7145	85.4025	3.051	-0.816	-1.1385	-35.0385	-282.245	1
47145_7145	47145	7145	19.761	0.2145	-0.1275	-0.2505	-13.281	-115.227	1
47145_7146	47145	7146	85.3995	3.303	-0.6795	-0.909	-40.302	-307.839	1
47146_7146	47146	7146	19.761	0.2145	-0.102	-0.1005	-14.2725	-116.885	1
47146_7147	47146	7147	85.401	3.303	-0.5685	-0.5115	-44.7105	-333.44	1
47147_7147	47147	7147	19.761	0.2145	-0.126	-0.264	-15.066	-122.267	1
47147_7148	47147	7148	85.3995	3.303	-0.6705	-1.035	-51.0795	-380.919	1
47148_7148	47148	7148	49.3605	49.5795	0.3105	-1.422	-36.2865	1233.818	1
47148_7149	47148	7149	24.963	3.9	-0.003	-0.57	0.318	296.844	1
47149_7149	47149	7149	48.057	48.9345	0.258	-0.0705	-32.565	652.644	1
47149_7150	47149	7150	24.8535	4.551	-0.0225	-0.342	0.0015	239.796	1
47150_7150	47150	7150	47.1405	52.5015	-0.096	-0.7635	-29.736	148.527	1
47150_7151	47150	7151	24.741	-9.249	0.081	-0.3885	-30.7605	-807.632	1
47151_7151	47151	7151	45.7905	53.6835	-0.138	-0.4395	-31.0065	-533.598	1
47151_7152	47151	7152	24.969	-8.616	0.057	-0.3765	-30.0675	-698.208	1
47152_7152	47152	7152	45.0645	58.887	0.1695	-1.215	-31.794	-817.638	1
47152_7153	47152	7153	25.1115	-7.2615	0.2265	-0.6045	-28.1985	-638.297	1
47153_7153	47153	7153	44.568	4.0635	0.213	0.2805	-30.4065	-1298.33	1
47153_7154	47153	7154	25.1715	-7.05	0.2505	0.222	-24.7605	-538.451	1
47154_7154	47154	7154	44.568	20.0745	0.1755	0.0345	-27.4845	-1354.2	1
47154_7155	47154	7155	25.1715	-6.5655	0.153	0.189	-23.0805	-466.233	1
47155_7155	47155	7155	44.568	-8.7825	0.1755	0.0345	-25.548	-1575.03	1
47155_7156	47155	7156	25.1715	-6.5655	0.153	0.189	-21.4005	-394.017	1
47156_7156	47156	7156	44.568	-22.332	0.0945	-0.3435	-23.6115	-1478.43	1
47156_7157	47156	7157	25.1715	-6.4005	0.153	0.225	-19.878	-330.017	1
47157_7157	47157	7157	44.568	-33.717	0.138	0.912	-22.674	-1255.1	1
47157_7158	47157	7158	25.1715	-6.4005	0.177	0.555	-18.1035	-266.016	1
47158_7158	47158	7158	44.568	-23.3145	0.0255	0.0735	-21.291	-917.832	1
47158_7159	47158	7159	25.1715	-6.3435	0.15	0.4185	-16.605	-202.52	1
47159_7159	47159	7159	44.568	-23.3145	0.0705	0.762	-21.03	-684.446	1
47159_7160	47159	7160	25.1715	-6.3435	0.1755	0.621	-14.856	-139.085	1
47160_7160	47160	7160	44.568	-17.3745	-0.042	0.342	-20.322	-451.292	1
47160_7161	47160	7161	25.1715	-6.4005	0.141	0.5475	-13.2975	-68.6865	1
47161_7161	47161	7161	44.568	-17.3745	-0.0015	0.579	-20.7825	-260.174	1
47161_7162	47161	7162	25.1715	-6.4005	0.165	0.6105	-11.4885	1.7145	1
47162_7162	47162	7162	44.568	-14.892	0.0525	0.4275	-20.7975	-69.057	1
47162_7163	47162	7163	25.1715	-6.567	0.246	0.519	-8.103	92.016	1
47163_7163	47163	7163	45.003	-59.3625	-0.186	-0.2535	-30.861	-1282.97	1
47163_7164	47163	7164	25.224	-6.3585	0.222	0.6885	-6.2685	142.9935	1
47164_7164	47164	7164	45.765	-54.642	0.195	0.3975	-33.33	-1140.58	1
47164_7165	47164	7165	25.329	-6.2865	0.342	0.3855	-2.241	216.8895	1
47165_7165	47165	7165	47.127	-57.264	0.1995	0.831	-31.053	-670.107	1
47165_7166	47165	7166	25.479	-5.6475	0.3255	0.6735	2.097	285.069	1
47166_7166	47166	7166	48.111	-52.326	-0.2985	0.0975	-28.185	22.902	1
47166_7167	47166	7167	25.629	-5.211	-0.0255	0.3855	1.7745	350.3775	1
47167_7167	47167	7167	49.4595	-51.054	-0.3345	1.47	-31.8585	678.7875	1
47167_7168	47167	7168	25.7565	-4.5405	-0.0465	0.618	1.2375	407.418	1
47168_7168	47168	7168	16.317	-0.2775	0.123	0.243	-13.0755	-92.5755	1
47168_7169	47168	7169	82.5225	-2.838	0.813	1.1145	-43.911	-305.612	1
47169_7169	47169	7169	16.317	-0.2775	0.1035	0.1155	-11.9115	-86.3325	1
47169_7170	47169	7170	82.524	-2.838	0.7185	0.603	-38.343	-265.385	1
47170_7170	47170	7170	16.317	-0.2775	0.1035	0.1155	-11.109	-84.18	1
47170_7171	47170	7171	82.524	-2.838	0.7185	0.603	-32.775	-243.387	1
47171_7171	47171	7171	16.317	-0.2655	0.0675	0.1785	-10.3065	-82.026	1
47171_7172	47171	7172	82.521	-2.658	0.858	0.8985	-25.9095	-222.122	1
47172_7172	47172	7172	16.317	-0.2655	0.087	0.279	-9.768	-79.902	1
47172_7173	47172	7173	82.5195	-2.658	0.9615	1.1775	-18.2175	-200.858	1
47173_7173	47173	7173	16.317	-0.2655	0.0675	0.1815	-9.066	-77.7795	1
47173_7174	47173	7174	82.521	-2.658	0.858	0.9255	-11.3505	-179.598	1
47174_7174	47174	7174	16.317	-0.264	0.0675	0.2175	-8.529	-75.6555	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47174_7175	47174	7175	82.5195	-2.049	0.948	0.9585	-5.6595	-167.297	1
47175_7175	47175	7175	16.317	-0.264	0.0945	0.3405	-8.1225	-74.0715	1
47175_7176	47175	7176	82.518	-2.049	1.086	1.2375	0.8565	-155	1
47176_7176	47176	7176	16.317	-0.264	0.0675	0.2205	-7.5525	-72.4875	1
47176_7177	47176	7177	82.5195	-2.049	0.948	0.978	6.546	-142.706	1
47177_7177	47177	7177	16.317	-0.264	0.0675	0.2205	-7.146	-70.9035	1
47177_7178	47177	7178	82.5195	-2.049	0.948	0.978	12.237	-130.41	1
47178_7178	47178	7178	16.317	-0.258	0.054	0.2655	-6.7395	-69.3195	1
47178_7179	47178	7179	82.521	-1.104	0.75	0.8895	18.2385	-121.566	1
47179_7179	47179	7179	16.317	-0.258	0.0735	0.3495	-6.3105	-67.254	1
47179_7180	47179	7180	82.5195	-1.104	0.8535	1.0425	25.0635	-112.727	1
47180_7180	47180	7180	16.317	-0.258	0.054	0.267	-5.7195	-65.187	1
47180_7181	47180	7181	82.521	-1.104	0.75	0.9015	31.0635	-103.89	1
47181_7181	47181	7181	16.317	-0.2565	0.1965	0.2985	-5.292	-63.1215	1
47181_7182	47181	7182	82.5285	-1.032	0.5175	0.69	35.0925	-62.7825	1
47182_7182	47182	7182	16.317	-0.2565	0.1965	0.2985	-3.765	-61.1355	1
47182_7183	47182	7183	82.5285	-1.032	0.5175	0.69	39.108	-54.783	1
47183_7183	47183	7183	16.3155	-0.2565	0.216	0.405	-2.238	-62.0445	1
47183_7184	47183	7184	82.5285	-1.032	0.6135	0.8625	44.9355	-59.6205	1
47184_7184	47184	7184	38.079	59.0775	0.3075	-0.9585	-37.1055	1322.744	1
47184_7185	47184	7185	12.7005	4.8855	-0.0525	-0.3585	1.9785	255.786	1
47185_7185	47185	7185	36.5295	60.048	0.3345	-0.5565	-33.2145	580.5885	1
47185_7186	47185	7186	12.7635	-8.6295	0.1305	0.099	-32.235	-814.235	1
47186_7186	47186	7186	35.34	67.0815	-0.3075	-1.314	-28.9635	-172.061	1
47186_7187	47186	7187	13.008	-7.596	0.0405	-0.9615	-31.5885	-713.471	1
47187_7187	47187	7187	33.7515	57.069	-0.21	0.078	-33.4305	-559.344	1
47187_7188	47187	7188	13.194	-7.269	0.0495	0.297	-31.0275	-624.458	1
47188_7188	47188	7188	32.805	53.5305	0.0675	-1.212	-35.7615	-1071.09	1
47188_7189	47188	7189	13.314	-6.084	0.147	-0.5535	-29.793	-574.266	1
47189_7189	47189	7189	32.3805	14.1285	0.105	0.4635	-35.289	-1338.9	1
47189_7190	47189	7190	13.3635	-5.9745	0.1605	0.2205	-27.5925	-489.812	1
47190_7190	47190	7190	32.3805	13.335	0.219	0.168	-33.855	-1533.17	1
47190_7191	47190	7191	13.3635	-5.4825	0.1515	0.1635	-25.9215	-429.495	1
47191_7191	47191	7191	32.3805	-26.8095	0.219	0.168	-31.443	-1679.86	1
47191_7192	47191	7192	13.3635	-5.4825	0.1515	0.1635	-24.252	-369.18	1
47192_7192	47192	7192	32.382	-28.191	0.012	0.4035	-29.031	-1384.94	1
47192_7193	47192	7193	13.3635	-5.25	0.1245	0.378	-23.013	-316.79	1
47193_7193	47193	7193	32.382	-28.191	0.012	0.3975	-28.9155	-1103.59	1
47193_7194	47193	7194	13.3635	-5.25	0.1245	0.3765	-21.774	-264.35	1
47194_7194	47194	7194	32.382	-20.196	0.003	0.8595	-28.8	-821.961	1
47194_7195	47194	7195	13.3635	-5.1675	0.15	0.654	-20.28	-212.73	1
47195_7195	47195	7195	32.382	-20.196	-0.0285	0.2385	-28.764	-620.207	1
47195_7196	47195	7196	13.3635	-5.1675	0.1365	0.441	-18.921	-161.111	1
47196_7196	47196	7196	32.382	-15.543	-0.054	0.5865	-29.0505	-418.455	1
47196_7197	47196	7197	13.3635	-5.202	0.1515	0.6405	-17.262	-103.883	1
47197_7197	47197	7197	32.382	-15.543	-0.054	0.5865	-29.6475	-247.488	1
47197_7198	47197	7198	13.3635	-5.202	0.1515	0.6405	-15.6045	-46.6575	1
47198_7198	47198	7198	32.382	-13.5945	-0.021	0.54	-30.243	-76.524	1
47198_7199	47198	7199	13.362	-5.3445	0.228	0.5985	-12.474	26.7795	1
47199_7199	47199	7199	32.4915	-13.332	-0.0525	0.8835	-30.519	103.0725	1
47199_7200	47199	7200	13.4055	-5.2365	0.2145	0.774	-10.6965	67.011	1
47200_7200	47200	7200	32.6835	-12.5055	0.099	0.537	-30.951	213.0525	1
47200_7201	47200	7201	13.4895	-5.274	0.2865	0.564	-7.3245	128.9955	1
47201_7201	47201	7201	33.5835	-60.996	0.1125	1.8405	-46.917	-751.962	1
47201_7202	47201	7202	13.6155	-4.938	0.2985	0.7215	-3.3435	190.194	1
47202_7202	47202	7202	34.7055	-56.949	-0.375	0.825	-44.979	-12.8895	1
47202_7203	47202	7203	13.749	-4.794	-0.024	0.7095	-3.627	250.278	1
47203_7203	47203	7203	36.1485	-56.0445	-0.351	1.5345	-49.6965	700.857	1
47203_7204	47203	7204	13.8675	-4.4415	-0.0135	0.603	-3.7875	306.0675	1
47204_7204	47204	7204	15.687	-0.867	0.3735	0.279	-23.244	-124.898	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47204_7205	47204	7205	83.1645	2.0745	-0.87	-1.2795	56.6565	-96.8055	1
47205_7205	47205	7205	15.687	-0.867	0.3915	0.303	-19.6995	-112.08	1
47205_7206	47205	7206	83.166	2.0745	-0.771	-0.939	50.6835	-88.629	1
47206_7206	47206	7206	15.687	-0.867	0.372	0.1665	-16.6635	-105.356	1
47206_7207	47206	7207	83.1645	2.0745	-0.8775	-1.0545	43.878	-104.706	1
47207_7207	47207	7207	15.687	-0.8475	0.342	0.318	-13.785	-98.6295	1
47207_7208	47207	7208	83.1675	2.709	-1.245	-1.401	33.9195	-126.378	1
47208_7208	47208	7208	15.687	-0.8475	0.342	0.318	-11.0445	-91.8465	1
47208_7209	47208	7209	83.1675	2.709	-1.245	-1.401	23.9595	-148.047	1
47209_7209	47209	7209	15.687	-0.8475	0.3615	0.4245	-8.304	-85.065	1
47209_7210	47209	7210	83.169	2.709	-1.1415	-1.2165	14.8335	-169.718	1
47210_7210	47210	7210	15.6885	-0.8655	0.312	0.3735	-5.406	-78.282	1
47210_7211	47210	7211	83.1705	3.4965	-1.5795	-1.518	5.358	-190.701	1
47211_7211	47211	7211	15.6885	-0.8655	0.312	0.3735	-3.5385	-73.089	1
47211_7212	47211	7212	83.1705	3.4965	-1.5795	-1.518	-4.116	-211.685	1
47212_7212	47212	7212	15.687	-0.8655	0.3375	0.486	-1.6695	-67.8945	1
47212_7213	47212	7213	83.1735	3.4965	-1.44	-1.1655	-12.759	-232.67	1
47213_7213	47213	7213	15.6885	-0.8655	0.312	0.381	0.3555	-62.703	1
47213_7214	47213	7214	83.1705	3.4965	-1.5795	-1.5525	-22.2345	-253.65	1
47214_7214	47214	7214	15.6885	-0.8655	0.3045	0.4125	2.223	-57.5085	1
47214_7215	47214	7215	83.1705	3.867	-1.5825	-1.347	-34.8915	-284.582	1
47215_7215	47215	7215	15.6885	-0.8655	0.3045	0.4125	4.656	-50.5875	1
47215_7216	47215	7216	83.1705	3.867	-1.5825	-1.347	-47.5485	-315.515	1
47216_7216	47216	7216	15.687	-0.8655	0.324	0.468	7.0905	-43.665	1
47216_7217	47216	7217	83.1735	3.867	-1.4775	-0.9525	-59.376	-346.448	1
47217_7217	47217	7217	15.687	-0.867	0.4485	0.456	9.681	-36.7425	1
47217_7218	47217	7218	83.16	3.9585	-0.5655	0.732	-63.7605	-377.106	1
47218_7218	47218	7218	15.687	-0.867	0.4485	0.456	13.1535	-30.018	1
47218_7219	47218	7219	83.16	3.9585	-0.5655	0.732	-68.1465	-407.787	1
47219_7219	47219	7219	15.69	-0.867	0.3015	0.309	16.626	-27.033	1
47219_7220	47219	7220	83.151	3.9585	-1.3455	-3.4095	-80.9265	-465.186	1
47220_7220	47220	7220	42.027	45.669	0.6255	-2.901	-61.8165	1321.952	1
47220_7221	47220	7221	15.6255	5.346	0.102	-1.1955	-17.7885	188.829	1
47221_7221	47221	7221	40.887	40.7715	0.447	0.9435	-53.433	810.699	1
47221_7222	47221	7222	15.4845	5.742	0.054	-0.141	-17.1795	116.85	1
47222_7222	47222	7222	40.062	40.689	-0.0975	-0.7995	-47.409	372.993	1
47222_7223	47222	7223	15.3315	5.97	-0.18	-0.7605	-19.5195	37.665	1
47223_7223	47223	7223	39.1035	35.277	-0.1515	0.189	-47.07	1.0785	1
47223_7224	47223	7224	15.18	6.345	-0.2235	-0.0975	-22.1655	-31.968	1
47224_7224	47224	7224	38.64	38.247	0.1605	1.1235	-47.742	-327.756	1
47224_7225	47224	7225	15.084	6.486	-0.066	-0.237	-22.7085	-85.4955	1
47225_7225	47225	7225	38.3475	33.657	0.0075	-0.687	-44.577	-484.902	1
47225_7226	47225	7226	15.0315	6.606	-0.1215	-0.3675	-24.5265	-184.274	1
47226_7226	47226	7226	38.352	42.045	0.3075	2.6805	-44.472	-988.761	1
47226_7227	47226	7227	15.033	6.7005	-0.003	0.306	-24.5655	-262.121	1
47227_7227	47227	7227	38.352	31.749	0.174	-2.451	-40.9005	-1477.23	1
47227_7228	47227	7228	15.033	6.7005	-0.0555	-0.6045	-25.2105	-339.9	1
47228_7228	47228	7228	38.352	10.6275	0.201	4.7265	-38.877	-1845.75	1
47228_7229	47228	7229	15.033	7.0005	0.024	1.017	-24.93	-421.176	1
47229_7229	47229	7229	38.352	-14.751	0.036	-3.744	-36.5445	-1969.14	1
47229_7230	47229	7230	15.033	7.0005	-0.0405	-0.795	-25.401	-502.478	1
47230_7230	47230	7230	38.3535	-2.3205	-0.0345	4.314	-36.126	-1797.55	1
47230_7231	47230	7231	15.0345	7.5735	-0.2445	1.6245	-28.3545	-594.153	1
47231_7231	47231	7231	38.3535	-57.5205	-0.1905	-2.8995	-36.54	-1769.44	1
47231_7232	47231	7232	15.0345	7.5735	-0.3045	-0.798	-32.0565	-685.995	1
47232_7232	47232	7232	38.337	-49.1715	0.8895	2.292	-38.85	-1071.8	1
47232_7233	47232	7233	15.027	8.52	0.0705	2.2125	-31.8405	-712.05	1
47233_7233	47233	7233	38.625	-48.9465	0.8295	1.047	-36.117	-921.113	1
47233_7234	47233	7234	14.9775	8.6085	0.0465	1.272	-31.5555	-763.362	1
47234_7234	47234	7234	39.1575	-48.522	0.7755	0.5085	-31.176	-629.405	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47234_7235	47234	7235	14.883	8.7705	0.0255	0.5505	-31.341	-836.912	1
47235_7235	47235	7235	39.726	-53.031	0.741	0.06	-25.002	-382.373	1
47235_7236	47235	7236	14.7885	8.9295	0.0015	-0.477	-31.3635	-887.477	1
47236_7236	47236	7236	40.086	-48.792	0.129	0.165	-20.8155	-94.7145	1
47236_7237	47236	7237	14.499	9.873	0.258	1.731	-28.515	-998.865	1
47237_7237	47237	7237	41.0415	-52.2465	0.009	1.6005	-19.551	328.8855	1
47237_7238	47237	7238	14.316	10.137	0.2145	-0.699	-26.6265	-1095.26	1
47238_7238	47238	7238	40.932	-38.1735	-1.1235	-1.5345	-19.7175	825.4845	1
47238_7239	47238	7239	13.854	14.0385	-0.3645	2.2725	-29.862	-1227.21	1
47239_7239	47239	7239	40.977	-38.1225	-1.2255	1.7235	-30.024	1184.849	1
47239_7240	47239	7240	13.8345	14.0565	-0.405	-1.0245	-34.3725	-1374.13	1
47240_7240	47240	7240	20.991	1.5015	-0.0495	-0.6675	-10.149	-43.593	1
47240_7241	47240	7241	87.24	-6.7755	1.9245	2.5005	-50.772	-478.448	1
47241_7241	47241	7241	20.991	1.5015	-0.1215	-0.8475	-10.5315	-53.634	1
47241_7242	47241	7242	87.246	-6.7755	1.626	0.741	-36.8625	-413.97	1
47242_7242	47242	7242	20.991	1.5015	-0.165	-0.9855	-11.5695	-66.4815	1
47242_7243	47242	7243	87.249	-6.7755	1.4445	-0.1185	-25.0065	-358.371	1
47243_7243	47243	7243	20.97	1.341	0.1875	-0.4875	-12.924	-78.768	1
47243_7244	47243	7244	87.2565	-5.847	1.119	1.3395	-13.6635	-299.001	1
47244_7244	47244	7244	20.9715	1.341	0.138	-0.7065	-11.028	-92.3505	1
47244_7245	47244	7245	87.2595	-5.847	0.912	0.63	-5.001	-243.495	1
47245_7245	47245	7245	20.9745	1.323	-0.0345	-0.3855	-9.7245	-105.044	1
47245_7246	47245	7246	87.237	-5.937	1.2195	1.056	7.611	-182.052	1
47246_7246	47246	7246	20.9745	1.323	-0.087	-0.687	-10.0755	-118.719	1
47246_7247	47246	7247	87.24	-5.937	0.9975	0.594	16.872	-126.971	1
47247_7247	47247	7247	20.9775	1.29	-0.2025	-0.1515	-10.884	-130.959	1
47247_7248	47247	7248	87.225	-6.003	1.284	0.9375	28.923	-70.581	1
47248_7248	47248	7248	20.976	1.29	-0.288	-0.7335	-12.7905	-143.073	1
47248_7249	47248	7249	87.2295	-6.003	0.9285	0.6495	38.4285	-9.1275	1
47249_7249	47249	7249	20.982	1.254	-0.5715	-0.093	-15.7425	-156.251	1
47249_7250	47249	7250	87.2175	-6.2835	1.101	0.603	49.4235	53.6385	1
47250_7250	47250	7250	20.9805	1.254	-0.627	-0.543	-21.453	-168.782	1
47250_7251	47250	7251	87.2205	-6.2835	0.867	0.7455	57.7785	114.144	1
47251_7251	47251	7251	20.9385	1.3005	0.9975	1.6815	-27.498	-180.801	1
47251_7252	47251	7252	87.2475	-12.177	-0.3285	-0.7635	55.2315	208.488	1
47252_7252	47252	7252	20.943	1.3005	0.909	0.8805	-19.7685	-191.09	1
47252_7253	47252	7253	87.246	-12.177	-0.699	0.114	48.5955	323.28	1
47253_7253	47253	7253	42.4005	15.654	1.035	-4.8	-39.0675	1122.728	1
47253_7254	47253	7254	20.394	6.4815	1.089	-3.609	-11.6175	300.105	1
47254_7254	47254	7254	42.291	18.3945	-0.9075	-1.8645	-31.7985	1008.605	1
47254_7255	47254	7255	20.268	6.492	-0.621	-0.975	-19.0995	224.694	1
47255_7255	47255	7255	41.9115	18.51	-0.984	0.8595	-41.532	778.9275	1
47255_7256	47255	7256	20.13	6.9045	-0.6675	-0.0525	-25.863	155.2665	1
47256_7256	47256	7256	41.805	24.723	0.2835	-1.5705	-51.267	592.776	1
47256_7257	47256	7257	19.9845	6.936	-0.063	-0.9825	-26.388	90.0795	1
47257_7257	47257	7257	41.3715	25.4445	0.195	-0.0285	-48.6465	377.94	1
47257_7258	47257	7258	19.8615	7.2825	-0.105	-0.2835	-27.1575	46.4775	1
47258_7258	47258	7258	41.136	25.8225	0.1455	0.642	-47.256	196.149	1
47258_7259	47258	7259	19.794	7.464	-0.129	0.021	-27.8175	8.424	1
47259_7259	47259	7259	40.9005	27.7605	0.432	0.264	-46.5015	64.4775	1
47259_7260	47259	7260	19.719	7.5255	0.141	-0.2115	-26.715	-49.974	1
47260_7260	47260	7260	40.7025	28.0515	0.3075	0.138	-43.152	-154.125	1
47260_7261	47260	7261	19.665	7.6665	0.0825	-0.1665	-26.007	-118.055	1
47261_7261	47261	7261	40.7025	28.0515	0.261	-0.3135	-40.479	-397.613	1
47261_7262	47261	7262	19.6665	7.6665	0.06	-0.3	-25.527	-179.811	1
47262_7262	47262	7262	40.7055	32.814	0.483	1.449	-38.3715	-623.61	1
47262_7263	47262	7263	19.6665	7.74	0.1695	0.3405	-23.559	-269.465	1
47263_7263	47263	7263	40.7055	32.814	0.396	-0.6885	-32.775	-1003.64	1
47263_7264	47263	7264	19.6665	7.74	0.1275	-0.234	-22.0905	-358.28	1
47264_7264	47264	7264	40.7055	40.8615	0.087	3.906	-28.227	-1380.24	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47264_7265	47264	7265	19.668	8.0565	0.078	1.179	-21.171	-452.667	1
47265_7265	47265	7265	40.7055	7.0335	-0.0615	-2.856	-27.216	-1858.83	1
47265_7266	47265	7266	19.668	8.0565	0.0075	-0.468	-21.093	-544.064	1
47266_7266	47266	7266	40.7115	-4.4295	0.2895	3.897	-27.9165	-1938.91	1
47266_7267	47266	7267	19.6665	8.6565	-0.0795	1.785	-22.0065	-643.439	1
47267_7267	47267	7267	40.7115	-4.4295	0.1665	-1.812	-24.5895	-1888.11	1
47267_7268	47267	7268	19.6665	8.6565	-0.1395	-0.159	-23.619	-743.666	1
47268_7268	47268	7268	40.7475	-50.895	1.506	5.772	-22.6575	-1837.01	1
47268_7269	47268	7269	19.6785	9.648	0.339	3.3645	-22.263	-782.319	1
47269_7269	47269	7269	41.256	-62.3595	1.392	1.8705	-16.9005	-1654.93	1
47269_7270	47269	7270	19.593	9.8235	0.291	1.662	-19.407	-879.194	1
47270_7270	47270	7270	42.36	-69.777	1.335	-1.4775	-2.1555	-1483.2	1
47270_7271	47270	7271	19.437	10.1295	0.2385	-0.36	-16.986	-982.998	1
47271_7271	47271	7271	43.6965	-64.1055	2.0085	1.6755	11.6475	-778.646	1
47271_7272	47271	7272	19.239	11.3355	1.4415	3.258	0.858	-1127.16	1
47272_7272	47272	7272	45.1305	-63.1095	1.8375	0.897	36.3345	8.37	1
47272_7273	47272	7273	18.987	11.763	1.359	-1.47	17.5635	-1273.89	1
47273_7273	47273	7273	44.2605	-43.521	-8.8185	2.958	59.529	795.426	1
47273_7274	47273	7274	18.192	16.683	-4.515	4.5375	-7.0485	-1367.06	1
47274_7274	47274	7274	44.8245	-42.921	-8.9145	5.247	10.7295	1037.622	1
47274_7275	47274	7275	17.9535	16.926	-4.56	1.431	-43.926	-1502.98	1
47275_7275	47275	7275	17.9475	1.2045	-0.0525	-2.409	7.1685	-37.0215	1
47275_7276	47275	7276	94.9395	-11.631	-3.894	-4.3935	-80.307	-557.942	1
47276_7276	47276	7276	17.9445	1.215	-0.1635	-0.4365	6.8775	-43.704	1
47276_7277	47276	7277	95.13	-8.1345	2.7885	2.259	-69.156	-525.627	1
47277_7277	47277	7277	17.9445	1.215	-0.195	-0.498	6.222	-46.5675	1
47277_7278	47277	7278	95.1345	-8.1345	2.6265	1.0695	-42.549	-432.669	1
47278_7278	47278	7278	17.9445	1.215	-0.246	-0.6675	4.2495	-58.8735	1
47278_7279	47278	7279	95.142	-8.1345	2.3535	-0.174	-20.8515	-357.663	1
47279_7279	47279	7279	17.9445	1.4355	-0.225	-0.3345	1.98	-70.086	1
47279_7280	47279	7280	95.1105	-7.35	0.4485	1.566	-15.609	-271.911	1
47280_7280	47280	7280	17.9445	1.4355	-0.3	-0.696	-0.6495	-86.8455	1
47280_7281	47280	7281	95.112	-7.35	0.051	0.4305	-14.982	-182.381	1
47281_7281	47281	7281	17.952	1.1775	0.0495	-0.075	-4.305	-113.663	1
47281_7282	47281	7282	95.133	-7.7055	0.7185	0.5835	-6.075	-136.211	1
47282_7282	47282	7282	17.952	1.1775	-0.0015	-0.438	-3.699	-128.261	1
47282_7283	47282	7283	95.1345	-7.7055	0.45	0.198	-0.918	-47.883	1
47283_7283	47283	7283	17.943	1.2615	-0.462	0.159	-3.7215	-141.786	1
47283_7284	47283	7284	95.175	-8.8455	2.07	0.1695	21.249	46.788	1
47284_7284	47284	7284	17.9415	1.2615	-0.5355	-0.4725	-8.67	-155.289	1
47284_7285	47284	7285	95.1825	-8.8455	1.6845	0.36	37.608	132.7215	1
47285_7285	47285	7285	17.94	1.0815	-0.615	0.5505	-13.8705	-167.537	1
47285_7286	47285	7286	95.196	-13.0455	-0.711	-0.4395	31.7955	239.2755	1
47286_7286	47286	7286	17.9385	1.0815	-0.645	0.249	-18.894	-176.372	1
47286_7287	47286	7287	95.1945	-13.0455	-0.8745	-0.0315	25.374	335.118	1
47287_7287	47287	7287	17.937	1.0815	-0.6855	-0.192	-23.637	-185.135	1
47287_7288	47287	7288	95.193	-13.0455	-1.086	0.666	16.671	435.315	1
47288_7288	47288	7288	12.7455	73.0395	-0.951	0.3825	-10.272	41.5125	1
47288_7289	47288	7289	2.3175	-14.055	-0.465	1.0155	-22.5165	-1332.1	1
47289_7289	47289	7289	11.3955	64.188	-0.93	-1.335	-23.598	-410.283	1
47289_7290	47289	7290	2.529	-14.238	-0.471	-3.1395	-28.4775	-1199.02	1
47290_7290	47290	7290	10.491	69.867	-0.237	1.44	-34.368	-794.816	1
47290_7291	47290	7291	2.9895	-10.9185	-0.2175	1.077	-30.312	-1118.66	1
47291_7291	47291	7291	9.18	62.883	-0.2775	1.0665	-36.51	-939.621	1
47291_7292	47291	7292	3.183	-10.8645	-0.2205	0.609	-32.1765	-1024.03	1
47292_7292	47292	7292	8.1765	59.6175	-0.3015	-3.849	-38.772	-1296.98	1
47292_7293	47292	7293	3.354	-10.812	-0.2355	-3.141	-33.105	-977.172	1
47293_7293	47293	7293	7.6395	70.7565	0.525	3.501	-39.8775	-1251.97	1
47293_7294	47293	7294	3.495	-7.335	0.255	1.797	-31.3365	-924.924	1
47294_7294	47294	7294	7.389	63.4605	0.4605	0.6435	-35.8455	-1402.04	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47294_7295	47294	7295	3.5235	-7.323	0.2475	0.207	-29.1975	-861.984	1
47295_7295	47295	7295	7.3905	8.2605	0.4425	-3.7005	-31.8915	-1949.51	1
47295_7296	47295	7296	3.5235	-7.323	0.24	-1.704	-27.504	-811.284	1
47296_7296	47296	7296	7.3905	19.845	0.3585	3.3075	-28.7655	-2007.98	1
47296_7297	47296	7297	3.525	-6.279	0.2865	1.206	-24.3525	-742.389	1
47297_7297	47297	7297	7.3905	19.845	0.339	-2.5545	-24.8295	-2226.02	1
47297_7298	47297	7298	3.5265	-6.279	0.2775	-0.7485	-21.189	-670.845	1
47298_7298	47298	7298	7.392	-19.437	0.294	4.827	-20.9685	-2452.38	1
47298_7299	47298	7299	3.5265	-5.3925	0.2775	1.4715	-18.069	-610.371	1
47299_7299	47299	7299	7.3935	-32.37	0.267	-3.33	-17.667	-2234.15	1
47299_7300	47299	7300	3.528	-5.3925	0.2655	-0.756	-14.727	-542.4	1
47300_7300	47300	7300	7.3965	-25.182	0.3675	3.036	-14.3025	-1826.3	1
47300_7301	47300	7301	3.5295	-4.767	0.2775	1.1295	-11.349	-484.373	1
47301_7301	47301	7301	7.398	-25.182	0.3435	-1.896	-9.8175	-1519.46	1
47301_7302	47301	7302	3.531	-4.767	0.2655	-0.4425	-8.253	-428.841	1
47302_7302	47302	7302	7.3965	-17.6145	0.2475	2.463	-5.811	-1226.23	1
47302_7303	47302	7303	3.531	-4.4115	0.24	1.083	-5.19	-372.506	1
47303_7303	47303	7303	7.398	-17.6145	0.2205	-1.272	-2.6385	-1001.09	1
47303_7304	47303	7304	3.5325	-4.4115	0.2265	-0.3075	-2.688	-323.766	1
47304_7304	47304	7304	7.398	-12.6225	0.1335	1.9485	-0.201	-806.609	1
47304_7305	47304	7305	3.531	-4.155	0.1305	0.9825	-1.1775	-275.796	1
47305_7305	47305	7305	7.398	-12.6225	0.1065	-0.3975	1.3365	-660.764	1
47305_7306	47305	7306	3.531	-4.155	0.1185	0.003	0.27	-224.819	1
47306_7306	47306	7306	7.395	-9.6495	-0.1215	1.5285	2.6475	-505.938	1
47306_7307	47306	7307	3.5295	-3.9165	-0.054	0.8685	-0.3645	-178.29	1
47307_7307	47307	7307	7.395	-9.6495	-0.15	-0.0375	1.2105	-391.247	1
47307_7308	47307	7308	3.5295	-3.9165	-0.0675	0.156	-1.1715	-131.529	1
47308_7308	47308	7308	7.4385	-8.6625	2.658	1.038	-0.588	-276.101	1
47308_7309	47308	7309	3.564	-4.0275	2.13	0.6555	24.3885	-83.22	1
47309_7309	47309	7309	7.4505	-8.6625	2.6265	0.312	31.314	-172.143	1
47309_7310	47309	7310	3.573	-4.0275	2.115	0.303	49.3785	-35.6295	1
47310_7310	47310	7310	7.3545	-8.1135	-4.662	-0.1935	62.358	-69.777	1
47310_7311	47310	7311	3.4965	-3.816	-3.6915	0.0735	0	15.4125	1

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
7000_7000	7000	7000	-1.176	-4.5255	0.174	0.12	0	-4.2975	1
7000_7001	7000	7001	-3.366	4.5195	-0.2565	-0.1365	-2.7	-27.231	1
7001_7001	7001	7001	-63.3375	23.9115	-0.0885	-0.063	-0.9345	-486.51	1
7001_7002	7001	7002	-6.9765	4.758	-0.246	-0.1395	-4.902	-55.7145	1
7002_7002	7002	7002	-102.849	19.359	0.078	0.015	-2.361	-787.652	1
7002_7003	7002	7003	-11.928	5.0145	0.075	-0.1605	-3.813	-93.7935	1
7003_7003	7003	7003	-142.308	0.4995	0.087	-0.204	-1.6215	-1087.49	1
7003_7004	7003	7004	-16.908	5.0145	0.0735	-0.18	-2.9145	-131.544	1
7004_7004	7004	7004	-164.37	1.524	-0.0045	0.1725	-0.7635	-1255.87	1
7004_7005	7004	7005	-21.819	4.947	-0.018	-0.117	-3.1275	-168.755	1
7005_7005	7005	7005	-183.692	-9.177	-0.003	-0.369	-1.0365	-1403.02	1
7005_7006	7005	7006	-26.7315	4.947	-0.018	-0.183	-3.345	-205.983	1
7006_7006	7006	7006	-189.824	-3.5985	-0.021	0.1725	-1.299	-1449.87	1
7006_7007	7006	7007	-31.7265	5.0295	-0.054	-0.0885	-3.9945	-243.831	1
7007_7007	7007	7007	-200.054	-13.4445	-0.0225	-0.42	-1.815	-1527.54	1
7007_7008	7007	7008	-36.7245	5.0325	-0.054	-0.1845	-4.638	-281.774	1
7008_7008	7008	7008	-199.418	-6.858	-0.051	0.186	-2.379	-1522.71	1
7008_7009	7008	7009	-41.79	5.103	-0.0585	-0.048	-5.343	-320.157	1
7009_7009	7009	7009	-204.504	-16.545	-0.0525	-0.417	-3.2985	-1561.18	1
7009_7010	7009	7010	-46.857	5.103	-0.0585	-0.1725	-6.051	-358.562	1
7010_7010	7010	7010	-199.299	-10.257	-0.042	0.1845	-4.209	-1521.61	1
7010_7011	7010	7011	-52.0635	5.253	-0.057	-0.003	-6.672	-398.37	1
7011_7011	7011	7011	-199.686	-19.9965	-0.042	-0.366	-4.962	-1524.4	1
7011_7012	7011	7012	-57.279	5.253	-0.057	-0.1485	-7.3605	-437.892	1
7012_7012	7012	7012	-190.917	-34.4445	-0.087	0.204	-5.2275	-1458.07	1
7012_7013	7012	7013	-62.7615	5.5215	-0.057	0.0585	-8.0595	-479.439	1
7013_7013	7013	7013	-187.175	-44.0445	-0.087	-0.3135	-6.5235	-1429.56	1
7013_7014	7013	7014	-68.247	5.5215	-0.0585	-0.1275	-8.76	-521.007	1
7014_7014	7014	7014	-172.808	-41.859	-0.0585	0.072	-7.6755	-1320.52	1
7014_7015	7014	7015	-75.7635	5.805	-0.063	0.0375	-9.72	-578.087	1
7015_7015	7015	7015	-169.823	-53.4195	-0.0495	-0.0525	-5.9895	-1221.65	1
7015_7016	7015	7016	-84.8565	5.562	-0.0435	0.0075	-6.999	-624.125	1
7016_7016	7016	7016	-149.246	-29.823	0.018	0.126	-6.03	-1105.76	1
7016_7017	7016	7017	-83.7735	6.3735	-0.0225	0.1035	-7.1985	-684.965	1
7017_7017	7017	7017	-117.611	-39.594	0.0165	0.0255	-5.4975	-993.581	1
7017_7018	7017	7018	-75.7545	6.3105	-0.0225	0.102	-7.455	-767.153	1
7018_7018	7018	7018	-73.737	-44.4465	-0.0105	0.1395	-4.836	-784.419	1
7018_7019	7018	7019	-66.651	6.9465	-0.0045	0.243	-7.515	-853.487	1
7019_7019	7019	7019	-37.68	-53.433	0.006	0.069	-4.3515	-554.426	1
7019_7020	7019	7020	-57.057	7.1745	-0.0045	0.144	-7.527	-945.738	1
7020_7020	7020	7020	-105.564	-11.1435	0.0345	0.0945	-6.678	-391.065	1
7020_7021	7020	7021	-37.6275	-29.1975	0.1215	0.063	-2.631	-374.13	1
7021_7021	7021	7021	-112.799	-15.7635	0.0165	0.0435	-4.4445	-475.851	1
7021_7022	7021	7022	-22.2345	-22.332	0.099	0.018	-2.166	-260.127	1
7022_7022	7022	7022	-117.629	-20.616	0.0105	-0.018	-3.921	-539.343	1
7022_7023	7022	7023	-7.758	-1.7445	0.0855	0.006	-3.5865	-135.969	1
7023_7023	7023	7023	-120.677	-12.4635	0.0555	0.078	-3.234	-621.129	1
7023_7024	7023	7024	-6.558	-1.5855	0.0675	0.045	-2.9175	-123.237	1
7024_7024	7024	7024	-125.298	-18.6315	0.0495	0.0075	-2.484	-683.145	1
7024_7025	7024	7025	-5.373	-1.5855	0.066	0.0315	-2.3925	-115.298	1
7025_7025	7025	7025	-126.467	-25.476	0.039	0.003	-1.8405	-718.472	1
7025_7026	7025	7026	-4.2255	-1.488	0.06	0.03	-1.7625	-99.87	1
7026_7026	7026	7026	-124.665	-22.557	0.042	0.0705	-1.3365	-727.169	1
7026_7027	7026	7027	-3.405	-1.443	0.057	0.0435	-1.395	-92.3385	1
7027_7027	7027	7027	-126.513	-27.7755	0.0315	0.0825	-0.9885	-751.412	1
7027_7028	7027	7028	-2.607	-1.422	0.0555	0.045	-1.047	-85.3785	1
7028_7028	7028	7028	-126.608	-33.3855	0.024	-0.048	-0.7635	-760.145	1
7028_7029	7028	7029	-2.3235	0.7785	-0.012	-0.015	0.645	43.113	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7029_7029	7029	7029	-124.559	-23.2725	-0.0315	-0.075	-0.726	-745.022	1
7029_7030	7029	7030	-2.784	0.837	-0.0135	-0.0165	0.6075	43.1355	1
7030_7030	7030	7030	-121.931	-18.1185	-0.0255	0.009	-0.9855	-718.479	1
7030_7031	7030	7031	-3.471	0.9855	-0.0165	-0.0285	0.546	45.36	1
7031_7031	7031	7031	-122.595	-25.5435	-0.036	-0.0045	-1.3575	-706.832	1
7031_7032	7031	7032	-4.2405	1.065	-0.0195	-0.0315	0.4005	43.557	1
7032_7032	7032	7032	-120.102	-32.3955	-0.0435	-0.0885	-1.8795	-668.567	1
7032_7033	7032	7033	-5.0685	1.1325	-0.021	-0.027	0.2205	40.488	1
7033_7033	7033	7033	-114.068	-32.5155	0.0105	-0.045	-2.5125	-603.788	1
7033_7034	7033	7034	-19.1055	25.293	-0.099	-0.012	-1.5285	-236.901	1
7034_7034	7034	7034	-109.379	-38.652	-0.0105	0.0135	-2.8125	-546.369	1
7034_7035	7034	7035	-38.496	29.0085	-0.093	0.0195	-1.9065	-354.237	1
7035_7035	7035	7035	-100.871	-35.3775	-0.039	-0.1155	-4.8975	-457.652	1
7035_7036	7035	7036	-63.5595	37.233	-0.1155	-0.072	-2.64	-557.57	1
7036_7036	7036	7036	-21.123	-5.322	0.009	0.0855	-0.3045	-236.537	1
7036_7037	7036	7037	-67.1415	-31.0425	0.003	0.2895	4.803	-580.901	1
7037_7037	7037	7037	-27.3015	-0.2205	-0.0135	-0.093	-3.0645	-493.8	1
7037_7038	7037	7038	-54.5955	-21.507	0.0195	0.1035	4.584	-371.453	1
7038_7038	7038	7038	-54.6855	-4.0095	-0.0225	-0.027	-3.516	-697.049	1
7038_7039	7038	7039	-55.8315	-7.551	0.0165	-0.075	-4.785	-563.913	1
7039_7039	7039	7039	-89.568	-13.5015	-0.0345	-0.153	-4.167	-865.893	1
7039_7040	7039	7040	-55.38	-7.287	0.012	-0.117	-4.638	-494.639	1
7040_7040	7040	7040	-110.39	-12.5115	0.021	0.0765	-4.806	-945.468	1
7040_7041	7040	7041	-52.107	-6.3615	0.0165	0.0135	-4.5015	-457.269	1
7041_7041	7041	7041	-138.753	-19.959	0.0045	-0.0645	-2.2605	-943.316	1
7041_7042	7041	7042	-49.47	-6.2985	0.006	-0.036	-2.028	-364.044	1
7042_7042	7042	7042	-147.189	-17.322	0.0195	0.0585	-2.3445	-996.615	1
7042_7043	7042	7043	-42.8175	-5.5755	0.012	0.0225	-1.866	-320.082	1
7043_7043	7043	7043	-159.182	-26.928	0.015	-0.0885	-2.196	-1066.84	1
7043_7044	7043	7044	-36.24	-5.553	0.0105	-0.024	-1.731	-279.363	1
7044_7044	7044	7044	-161.439	-3.5775	0.0045	0.027	-2.1375	-1064.86	1
7044_7045	7044	7045	-29.937	-5.2725	0.009	0.0225	-1.6125	-237.809	1
7045_7045	7045	7045	-171.36	-14.2935	0.0015	-0.0495	-2.085	-1120.97	1
7045_7046	7045	7046	-33.2775	5.721	-0.015	-0.039	-1.6635	-216.783	1
7046_7046	7046	7046	-168.393	-8.0355	-0.0045	0.075	-2.061	-1100.83	1
7046_7047	7046	7047	-40.116	5.799	-0.015	-0.003	-1.854	-259.592	1
7047_7047	7047	7047	-172.833	-18.7305	-0.009	-0.0885	-2.103	-1127.2	1
7047_7048	7047	7048	-46.9995	5.8365	-0.015	-0.0405	-2.0475	-302.838	1
7048_7048	7048	7048	-165.117	-12.7965	-0.0135	0.0465	-2.178	-1080.93	1
7048_7049	7048	7049	-54.0105	5.9235	-0.015	0.0075	-2.232	-345.596	1
7049_7049	7049	7049	-163.931	-23.526	-0.018	-0.0345	-2.31	-1074.53	1
7049_7050	7049	7050	-61.044	5.9505	-0.015	-0.018	-2.4195	-389.276	1
7050_7050	7050	7050	-152.499	-18.645	-0.0075	0.0555	-2.445	-1004.45	1
7050_7051	7050	7051	-70.719	6.309	-0.018	0.0315	-2.697	-449.259	1
7051_7051	7051	7051	-136.727	-32.2245	-0.0165	-0.0795	-2.8995	-987.279	1
7051_7052	7051	7052	-70.512	6.183	-0.021	-0.0105	-3.33	-500.624	1
7052_7052	7052	7052	-122.427	-27.807	0.0225	0.129	-2.961	-915.066	1
7052_7053	7052	7053	-71.1495	6.7605	-0.006	0.105	-3.369	-563.855	1
7053_7053	7053	7053	-89.4255	-37.7775	0.027	0.0045	-3.5055	-895.596	1
7053_7054	7053	7054	-59.7795	6.969	-0.009	0.099	-4.737	-679.362	1
7054_7054	7054	7054	-55.7145	-42.9015	-0.0135	0.138	-2.9235	-721.701	1
7054_7055	7054	7055	-59.1315	28.4715	0.0075	-0.0675	4.0785	-546.605	1
7055_7055	7055	7055	-26.9895	-52.2765	-0.0015	0.0975	-2.718	-517.53	1
7055_7056	7055	7056	-70.2885	39.9975	0.0255	-0.3855	4.4985	-853.455	1
7056_7056	7056	7056	-97.095	-11.1105	0.03	0.174	-4.509	-389.48	1
7056_7057	7056	7057	-27.5265	-27.552	0.0975	0.105	-2.0085	-336.933	1
7057_7057	7057	7057	-106.022	-7.212	0.009	0.0825	-3.021	-525.014	1
7057_7058	7057	7058	-11.5245	-21.342	0.09	0.048	-1.743	-239.525	1
7058_7058	7058	7058	-113.136	-12.927	0.0015	-0.06	-2.6325	-610.077	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7058_7059	7058	7059	-7.6875	-1.4685	0.0585	0.027	-2.5095	-126.746	1
7059_7059	7059	7059	-117.161	-13.0065	0.0405	0.237	-2.3865	-673.556	1
7059_7060	7059	7060	-6.738	-1.3455	0.045	0.1065	-2.07	-115.208	1
7060_7060	7060	7060	-122.28	-19.2585	0.0375	0.066	-1.8435	-743.303	1
7060_7061	7060	7061	-5.8095	-1.3455	0.0435	0.078	-1.725	-108.159	1
7061_7061	7061	7061	-124.029	-26.193	0.033	-0.117	-1.3665	-783.957	1
7061_7062	7061	7062	-6.105	1.3185	-0.039	-0.108	-0.048	-77.7765	1
7062_7062	7062	7062	-122.811	-22.9965	0.03	0.2235	-0.9735	-795.194	1
7062_7063	7062	7063	-6.7935	1.3305	-0.0405	-0.066	-0.2895	-83.007	1
7063_7063	7063	7063	-124.881	-28.215	0.0255	-0.021	-0.7365	-822.576	1
7063_7064	7063	7064	-7.4835	1.3305	-0.0405	-0.0915	-0.5355	-88.2375	1
7064_7064	7064	7064	-125.24	-33.8205	0.0165	-0.015	-0.5745	-833.219	1
7064_7065	7064	7065	-8.1795	1.374	-0.0435	-0.0945	-0.795	-97.3455	1
7065_7065	7065	7065	-124.34	-23.364	-0.0255	-0.1035	-0.642	-821.969	1
7065_7066	7065	7066	-8.892	1.374	-0.0435	-0.096	-1.0545	-102.752	1
7066_7066	7066	7066	-122.006	-17.8695	-0.027	-0.039	-0.8655	-793.793	1
7066_7067	7066	7067	-9.873	1.434	-0.0465	-0.084	-1.455	-114.204	1
7067_7067	7067	7067	-122.882	-25.35	-0.0345	-0.0585	-1.227	-781.673	1
7067_7068	7067	7068	-10.863	1.4805	-0.0495	-0.087	-1.8885	-126.275	1
7068_7068	7068	7068	-120.828	-32.2665	-0.0405	-0.0885	-1.686	-740.526	1
7068_7069	7068	7069	-11.8845	1.4805	-0.0495	-0.0885	-2.2815	-134.04	1
7069_7069	7069	7069	-115.446	-32.2245	0.0105	0.021	-2.235	-670.685	1
7069_7070	7069	7070	-12.936	1.569	-0.0675	-0.039	-2.8005	-142.008	1
7070_7070	7070	7070	-111.287	-38.505	0	-0.1215	-2.4645	-608.088	1
7070_7071	7070	7071	-28.206	27.693	-0.087	-0.0555	-1.56	-344.315	1
7071_7071	7071	7071	-103.868	-35.3325	-0.0255	-0.1395	-3.684	-498.213	1
7071_7072	7071	7072	-52.818	35.0655	-0.0945	-0.048	-2.0445	-525.609	1
7072_7072	7072	7072	-20.577	-0.6735	0.018	-0.12	-2.3535	-260.829	1
7072_7073	7072	7073	-52.173	-6.888	0.0135	-0.2565	-4.4805	-765.894	1
7073_7073	7073	7073	-29.844	-0.2535	-0.0015	-0.114	-2.58	-523.817	1
7073_7074	7073	7074	-59.3835	-6.639	0.0135	-0.192	-4.3095	-684.905	1
7074_7074	7074	7074	-57.1035	-4.2225	-0.021	-0.0405	-2.7735	-734.361	1
7074_7075	7074	7075	-64.665	-6.285	0.003	-0.1095	-4.263	-608.531	1
7075_7075	7075	7075	-101.034	-13.857	-0.024	-0.12	-2.4315	-861.335	1
7075_7076	7075	7076	-71.376	-6.159	0.0015	-0.096	-3.0945	-516.392	1
7076_7076	7076	7076	-123.818	-12.4575	0.021	0.024	-2.8545	-941.355	1
7076_7077	7076	7077	-68.562	-5.628	0.015	-0.0135	-2.976	-484.59	1
7077_7077	7077	7077	-128.226	-19.29	0.0255	-0.1065	-3.9795	-1038.19	1
7077_7078	7077	7078	-56.5035	-5.6895	0.021	-0.0585	-3.9795	-436.101	1
7078_7078	7078	7078	-138.512	0.9105	0.0255	0.048	-4.017	-1101	1
7078_7079	7078	7079	-51.198	-5.466	0.024	0.0315	-3.696	-392.69	1
7079_7079	7079	7079	-152.304	-9.159	0.0225	-0.138	-3.744	-1193.47	1
7079_7080	7079	7080	-45.9315	-5.3475	0.0225	-0.027	-3.4005	-348.62	1
7080_7080	7080	7080	-155.997	-3.135	0.003	0.075	-3.4755	-1213.82	1
7080_7081	7080	7081	-40.836	-5.2575	0.021	0.057	-3.162	-311.681	1
7081_7081	7081	7081	-165.275	-13.08	-0.0015	-0.1425	-3.4335	-1276.38	1
7081_7082	7081	7082	-35.826	-5.1195	0.021	0.0045	-2.8665	-268.415	1
7082_7082	7082	7082	-164.37	-6.4005	0.0015	0.0915	-3.4215	-1267.21	1
7082_7083	7082	7083	-31.425	4.98	-0.027	-0.0345	-2.52	-237.134	1
7083_7083	7083	7083	-169.551	-17.0745	-0.003	-0.108	-3.3885	-1304.51	1
7083_7084	7083	7084	-36.63	5.016	-0.027	-0.0705	-2.868	-276.588	1
7084_7084	7084	7084	-163.617	-29.247	-0.006	0.12	-3.4125	-1261.7	1
7084_7085	7084	7085	-41.58	5.1195	-0.027	-0.0045	-3.1875	-314.633	1
7085_7085	7085	7085	-164.384	-38.82	-0.009	-0.0675	-3.5055	-1267.08	1
7085_7086	7085	7086	-46.557	5.163	-0.027	-0.0525	-3.504	-353.133	1
7086_7086	7086	7086	-154.947	-32.9505	-0.024	0.213	-3.6285	-1200.6	1
7086_7087	7086	7087	-51.696	5.2995	-0.03	0.063	-3.843	-390.851	1
7087_7087	7087	7087	-151.326	-42.615	-0.0285	-0.141	-3.9105	-1177.99	1
7087_7088	7087	7088	-56.8455	5.3325	-0.03	-0.063	-4.188	-429.885	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7088_7088	7088	7088	-138.66	-20.193	-0.018	0.156	-4.0065	-1097.95	1
7088_7089	7088	7089	-63.2985	5.5515	-0.0255	0.0795	-4.539	-478.857	1
7089_7089	7089	7089	-127.265	-32.0475	-0.024	-0.1485	-3.6885	-1083.29	1
7089_7090	7089	7090	-64.596	5.424	-0.024	-0.0225	-4.2825	-534.389	1
7090_7090	7090	7090	-113.126	-27.546	0.0225	0.174	-3.7665	-999.771	1
7090_7091	7090	7091	-64.341	5.8665	-0.012	0.1305	-4.419	-590.126	1
7091_7091	7091	7091	-88.7865	-37.6875	0.0225	0.048	-4.191	-923.405	1
7091_7092	7091	7092	-57.789	5.9145	-0.015	0.132	-5.7945	-668.454	1
7092_7092	7092	7092	-54.2565	-42.6615	-0.0165	0.141	-3.6105	-734.522	1
7092_7093	7092	7093	-50.775	6.5655	-0.0255	0.2355	-6.042	-754.032	1
7093_7093	7093	7093	-25.521	-52.3155	-0.0015	0.099	-3.3615	-519.708	1
7093_7094	7093	7094	-62.304	44.31	0.0345	-0.363	5.4765	-784.322	1
7094_7094	7094	7094	-95.517	-11.067	0.042	0.1575	-5.262	-394.368	1
7094_7095	7094	7095	-25.827	-24.459	0.1185	0.1005	-2.553	-343.892	1
7095_7095	7095	7095	-100.905	-16.0455	0.033	0.1065	-4.9545	-511.314	1
7095_7096	7095	7096	-10.317	-1.236	0.09	0.054	-4.299	-127.817	1
7096_7096	7096	7096	-107.054	-13.041	0.0045	-0.063	-3.8835	-626.274	1
7096_7097	7096	7097	-9.549	-1.1865	0.0855	0.018	-3.4725	-116.216	1
7097_7097	7097	7097	-110.45	-12.924	0.0705	0.2505	-3.516	-690.947	1
7097_7098	7097	7098	-8.8335	-1.11	0.069	0.0945	-2.904	-109.502	1
7098_7098	7098	7098	-115.014	-19.2885	0.066	0.0705	-2.661	-763.403	1
7098_7099	7098	7099	-8.1405	-1.0725	0.066	0.063	-2.2995	-99.864	1
7099_7099	7099	7099	-116.4	-26.367	0.06	-0.1275	-1.8945	-805.236	1
7099_7100	7099	7100	-7.452	-1.0725	0.0645	0.039	-1.7835	-94.038	1
7100_7100	7100	7100	-114.989	-22.7625	0.054	0.087	-1.2495	-815.877	1
7100_7101	7100	7101	-6.9435	-1.02	0.0615	0.0675	-1.335	-83.865	1
7101_7101	7101	7101	-116.915	-28.0395	0.045	-0.21	-0.8715	-845.15	1
7101_7102	7101	7102	-6.4515	-1.02	0.0615	0.039	-0.9675	-79.707	1
7102_7102	7102	7102	-117.245	-33.726	0.0225	0.3075	-0.618	-856.94	1
7102_7103	7102	7103	-5.961	-1.02	0.063	0.0915	-0.5895	-75.546	1
7103_7103	7103	7103	-116.153	-23.538	-0.0405	-0.066	-0.9135	-845.976	1
7103_7104	7103	7104	-6.291	1.296	-0.063	-0.0915	-1.9515	-105.249	1
7104_7104	7104	7104	-113.951	-17.5515	-0.0495	0.075	-1.305	-816.78	1
7104_7105	7104	7105	-7.1115	1.278	-0.0585	-0.063	-2.421	-112.194	1
7105_7105	7105	7105	-115.025	-25.212	-0.0585	-0.1305	-1.9935	-806.385	1
7105_7106	7105	7106	-7.941	1.3515	-0.0645	-0.0975	-3.0555	-126.183	1
7106_7106	7106	7106	-113.291	-32.2965	-0.069	-0.1335	-2.8065	-764.609	1
7106_7107	7106	7107	-8.808	1.3515	-0.0645	-0.096	-3.573	-133.52	1
7107_7107	7107	7107	-108.378	-32.0385	0.0225	-0.039	-3.7635	-692.147	1
7107_7108	7107	7108	-9.699	1.476	-0.093	-0.057	-4.422	-146.111	1
7108_7108	7108	7108	-104.681	-38.5215	0.0015	-0.0465	-4.116	-627.627	1
7108_7109	7108	7109	-23.4075	28.059	-0.129	-0.018	-2.4585	-341.544	1
7109_7109	7109	7109	-100.703	-44.265	-0.0105	-0.138	-4.2645	-526.662	1
7109_7110	7109	7110	-48.7785	34.116	-0.1125	-0.063	-2.5575	-514.281	1
7110_7110	7110	7110	-18.873	-1.5645	0.021	-0.09	-2.652	-295.926	1
7110_7111	7110	7111	-52.143	-29.466	-0.027	0.411	5.883	-475.661	1
7111_7111	7111	7111	-29.235	-0.681	0.003	-0.147	-3.7215	-533.031	1
7111_7112	7111	7112	-57.3075	-7.0245	0.0285	-0.2445	-5.937	-691.593	1
7112_7112	7112	7112	-55.479	-4.581	-0.006	-0.075	-4.017	-742.053	1
7112_7113	7112	7113	-62.2155	-6.561	0.0225	-0.1455	-5.646	-609.437	1
7113_7113	7113	7113	-89.7015	-14.6985	-0.0105	-0.147	-3.561	-910.008	1
7113_7114	7113	7114	-63.192	-6.525	0.0165	-0.1155	-4.269	-541.05	1
7114_7114	7114	7114	-108.693	-13.3935	0.03	-0.006	-3.9075	-985.347	1
7114_7115	7114	7115	-60.3075	-6.09	0.027	-0.0435	-4.0485	-502.446	1
7115_7115	7115	7115	-134.406	-20.1165	0.0225	-0.036	-3.156	-953.196	1
7115_7116	7115	7116	-58.557	-6.1395	0.0225	-0.0225	-3.0585	-400.082	1
7116_7116	7116	7116	-141.027	-17.799	0.03	0.048	-3.0165	-997.371	1
7116_7117	7116	7117	-52.3965	-5.865	0.024	0.0255	-2.7825	-358.982	1
7117_7117	7117	7117	-151.485	-27.1905	0.03	-0.066	-2.7585	-1062.4	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7117_7118	7117	7118	-46.2855	-5.8155	0.024	-0.0135	-2.508	-317.718	1
7118_7118	7118	7118	-153.083	-21.3735	0.0165	0.012	-2.4705	-1068.35	1
7118_7119	7118	7119	-40.3275	-5.664	0.0225	0.0285	-2.25	-277.431	1
7119_7119	7119	7119	-161.664	-14.0775	0.0135	-0.0075	-2.274	-1111.31	1
7119_7120	7119	7120	-34.4385	-5.5815	0.0225	0.027	-1.983	-236.403	1
7120_7120	7120	7120	-159.111	-24.474	0.015	0.1215	-2.136	-1098.07	1
7120_7121	7120	7121	-28.248	-5.4495	0.021	0.063	-1.6965	-192.765	1
7121_7121	7121	7121	-164.325	-34.9695	0.0105	-0.102	-1.9635	-1128.35	1
7121_7122	7121	7122	-23.013	3.387	-0.0105	-0.039	-1.2975	-164.78	1
7122_7122	7122	7122	-156.606	-29.0835	0.009	0.087	-1.8375	-1077.9	1
7122_7123	7122	7123	-26.6325	3.5205	-0.009	-0.003	-1.4145	-191.979	1
7123_7123	7123	7123	-156.14	-38.9865	0.006	-0.0315	-1.746	-1076.05	1
7123_7124	7123	7124	-30.339	3.582	-0.009	-0.0255	-1.5225	-218.849	1
7124_7124	7124	7124	-144.351	-32.9175	-0.0015	0.132	-1.692	-1003.62	1
7124_7125	7124	7125	-34.251	3.741	-0.009	0.027	-1.635	-245.343	1
7125_7125	7125	7125	-139.233	-42.888	-0.006	-0.075	-1.7235	-975.515	1
7125_7126	7125	7126	-38.217	3.843	-0.0105	-0.03	-1.752	-275.753	1
7126_7126	7126	7126	-124.232	-20.9505	-0.009	0.0705	-1.7445	-893.883	1
7126_7127	7126	7127	-43.461	4.1985	-0.0075	0.03	-1.8525	-312.66	1
7127_7127	7127	7127	-118.523	-32.97	-0.015	-0.0345	-1.659	-846.554	1
7127_7128	7127	7128	-47.109	4.125	-0.0075	0.0015	-1.725	-340.556	1
7128_7128	7128	7128	-103.283	-27.7065	0.0045	0.0825	-1.7595	-770.117	1
7128_7129	7128	7129	-47.8365	5.019	-0.012	0.06	-1.842	-388.059	1
7129_7129	7129	7129	-72.27	-37.9755	0	-0.024	-2.0625	-750.714	1
7129_7130	7129	7130	-56.3685	23.475	0.0105	-0.177	1.7955	-435.134	1
7130_7130	7130	7130	-40.9905	-43.506	0.0825	0.087	-2.0385	-579.65	1
7130_7131	7130	7131	-67.431	32.445	-0.0795	-0.072	1.203	-650.838	1
7131_7131	7131	7131	-25.68	4.908	-0.024	-0.0495	-1.0455	-226.371	1
7131_7132	7131	7132	-77.3805	43.8615	-0.0735	-0.1875	0.414	-934.922	1
7132_7132	7132	7132	-87.0195	-8.124	-0.0495	0.0015	-0.8745	-277.892	1
7132_7133	7132	7133	-29.208	-26.475	0.1065	-0.018	-1.2945	-319.367	1
7133_7133	7133	7133	-99.237	-13.5375	-0.0615	0.033	-1.0515	-397.613	1
7133_7134	7133	7134	-14.9265	-21.8955	0.0885	0.018	-0.6255	-199.25	1
7134_7134	7134	7134	-108.048	-11.0445	-0.0885	0.1545	-1.3095	-511.751	1
7134_7135	7134	7135	-8.4	0.186	0.0165	0.0315	-1.4115	-61.221	1
7135_7135	7135	7135	-113.348	-11.6025	0.054	0.093	-1.929	-578.609	1
7135_7136	7135	7136	-8.613	0.2865	0.027	0.0285	-1.1985	-62.664	1
7136_7136	7136	7136	-119.688	-18.252	0.054	0.0015	-1.4265	-651.015	1
7136_7137	7136	7137	-8.826	0.291	0.0255	0.018	-0.9585	-61.455	1
7137_7137	7137	7137	-121.791	-25.596	0.048	-0.003	-0.948	-691.56	1
7137_7138	7137	7138	-9.0405	0.291	0.0255	0.018	-0.7575	-62.922	1
7138_7138	7138	7138	-120.228	-21.3675	0.018	0.123	-0.534	-701.349	1
7138_7139	7138	7139	-9.2175	0.3195	0.0195	0.0345	-0.639	-64.128	1
7139_7139	7139	7139	-122.814	-26.844	0.0165	-0.012	-0.42	-731.226	1
7139_7140	7139	7140	-9.3945	0.3195	0.0195	0.021	-0.5205	-65.3355	1
7140_7140	7140	7140	-123.347	-32.7555	0.0105	-0.0165	-0.357	-743.999	1
7140_7141	7140	7141	-9.5715	0.3195	0.0195	0.021	-0.4005	-66.543	1
7141_7141	7141	7141	-120.98	-24.12	-0.018	-0.0495	-0.564	-737.061	1
7141_7142	7141	7142	-9.7485	0.3195	0.0195	0.021	-0.282	-67.7505	1
7142_7142	7142	7142	-117.804	-17.742	-0.0195	0.048	-0.747	-709.152	1
7142_7143	7142	7143	-10.0035	0.345	0.021	0.0375	-0.1035	-72.15	1
7143_7143	7143	7143	-118.394	-25.665	-0.0225	-0.0555	-1.029	-700.52	1
7143_7144	7143	7144	-10.257	0.345	0.021	0.027	0.0615	-73.8885	1
7144_7144	7144	7144	-115.319	-33.003	-0.027	-0.057	-1.35	-660.902	1
7144_7145	7144	7145	-10.512	0.345	0.021	0.027	0.225	-75.627	1
7145_7145	7145	7145	-108.173	-32.8215	0.0315	-0.0495	-1.7235	-590.438	1
7145_7146	7145	7146	-13.1475	23.0595	-0.0645	-0.0225	-0.7815	-209.622	1
7146_7146	7146	7146	-102.381	-39.501	0.018	0.0195	-1.68	-527.351	1
7146_7147	7146	7147	-31.083	26.724	-0.063	0.012	-1.065	-318.969	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7147_7147	7147	7147	-91.7325	-45.669	0.012	-0.066	-1.8555	-449.202	1
7147_7148	7147	7148	-56.187	37.962	-0.0675	-0.054	-1.203	-508.817	1
7148_7148	7148	7148	-32.388	-3.3345	0	0.0645	-0.06	-230.952	1
7148_7149	7148	7149	-78.417	-26.862	-0.006	0.21	2.328	-564.452	1
7149_7149	7149	7149	-32.85	-3.9585	0.0015	0.0375	-0.0495	-192.963	1
7149_7150	7149	7150	-68.4405	-18.3465	0.006	0.0375	2.1	-372.432	1
7150_7150	7150	7150	-42.312	-5.004	-0.0135	-0.033	-1.779	-637.014	1
7150_7151	7150	7151	-57.8415	-12.045	0.006	0.126	1.563	-225.116	1
7151_7151	7151	7151	-81.636	-14.604	-0.018	-0.0405	-1.704	-735.626	1
7151_7152	7151	7152	-48.81	-7.08	0.006	-0.033	-1.956	-396.564	1
7152_7152	7152	7152	-99.1575	-13.2525	0.0225	-0.0495	-1.986	-790.359	1
7152_7153	7152	7153	-44.967	-6.363	0.015	-0.0345	-1.8345	-360.77	1
7153_7153	7153	7153	-118.523	-19.9365	0.018	0.021	-1.515	-811.008	1
7153_7154	7153	7154	-39.369	-6.222	0.0135	0.009	-1.326	-291.068	1
7154_7154	7154	7154	-122.814	-17.991	0.0105	0.006	-1.335	-842.427	1
7154_7155	7154	7155	-32.619	-5.8875	0.009	0.0075	-1.218	-249.158	1
7155_7155	7155	7155	-131.67	-27.444	0.009	0.003	-1.254	-894.723	1
7155_7156	7155	7156	-25.992	-5.7195	0.009	0.0075	-1.0965	-206.18	1
7156_7156	7156	7156	-131.151	-22.8045	0.0045	-0.0165	-1.1835	-891.242	1
7156_7157	7156	7157	-20.1765	-5.5035	0.0105	0.009	-0.966	-167.409	1
7157_7157	7157	7157	-136.25	-31.6695	0.0045	0.036	-1.1625	-919.091	1
7157_7158	7157	7158	-14.697	-4.9905	0.0105	0.018	-0.774	-123.803	1
7158_7158	7158	7158	-132.375	-25.974	0	-0.0135	-1.1355	-895.908	1
7158_7159	7158	7159	-17.772	4.287	-0.009	-0.015	-0.8925	-135.753	1
7159_7159	7159	7159	-135.716	-18.924	-0.0015	0.03	-1.167	-915.839	1
7159_7160	7159	7160	-22.467	4.713	-0.009	-0.006	-1.053	-175.238	1
7160_7160	7160	7160	-130.358	-12.8505	-0.012	-0.021	-1.1805	-886.518	1
7160_7161	7160	7161	-28.041	5.034	-0.0105	-0.012	-1.2015	-215.372	1
7161_7161	7161	7161	-130.577	-23.1285	-0.012	0.027	-1.3035	-888.381	1
7161_7162	7161	7162	-33.8535	5.211	-0.009	0.0015	-1.326	-254.973	1
7162_7162	7162	7162	-121.427	-18.636	-0.0105	0.021	-1.413	-834.62	1
7162_7163	7162	7163	-41.8125	5.724	-0.012	0.009	-1.488	-306.422	1
7163_7163	7163	7163	-110.846	-30.9705	-0.018	-0.0255	-1.6485	-824.808	1
7163_7164	7163	7164	-49.8345	12.021	-0.0015	-0.0375	0.984	-142.608	1
7164_7164	7164	7164	-98.3145	-26.769	0.0195	0.036	-1.788	-764.495	1
7164_7165	7164	7165	-61.635	13.806	-0.009	-0.018	1.0575	-236.244	1
7165_7165	7165	7165	-72.3795	-36.5745	0.018	0.0495	-1.6935	-737.612	1
7165_7166	7165	7166	-72.963	22.1265	0	-0.1005	1.578	-390.636	1
7166_7166	7166	7166	-40.4445	-41.832	-0.0045	0.051	-1.404	-585.003	1
7166_7167	7166	7167	-83.4465	29.235	0.0045	-0.027	1.806	-587.951	1
7167_7167	7167	7167	-36.855	3.8145	0.003	-0.051	-0.1305	-219.834	1
7167_7168	7167	7168	-93.846	36.591	0.0135	-0.1665	2.034	-875.817	1
7168_7168	7168	7168	-85.014	-9.1605	0.0105	0.0705	-1.9665	-301.484	1
7168_7169	7168	7169	-33.1725	-27.984	0.054	0.06	-0.8865	-328.502	1
7169_7169	7169	7169	-98.1915	-5.3235	-0.003	0.006	-1.1745	-424.56	1
7169_7170	7169	7170	-15.8325	-24.1065	0.0405	0	-0.513	-205.379	1
7170_7170	7170	7170	-108.273	-11.0925	-0.0105	0.006	-1.08	-507.774	1
7170_7171	7170	7171	-11.3325	-0.456	-0.0315	-0.0285	0.078	-82.9485	1
7171_7171	7171	7171	-114.983	-11.2515	0.021	0.0075	-1.077	-571.415	1
7171_7172	7171	7172	-10.989	-0.4395	-0.018	-0.0315	-0.06	-80.808	1
7172_7172	7172	7172	-122.943	-17.646	0.015	0.081	-0.8415	-641.295	1
7172_7173	7172	7173	-10.6515	-0.4275	-0.0165	-0.0195	-0.21	-75.972	1
7173_7173	7173	7173	-126.818	-24.747	0.0135	-0.0165	-0.666	-683.249	1
7173_7174	7173	7174	-10.317	-0.4275	-0.0165	-0.03	-0.3405	-73.8885	1
7174_7174	7174	7174	-126.987	-21.5955	0.018	-0.0075	-0.5235	-696.989	1
7174_7175	7174	7175	-10.0815	-0.4005	-0.0165	-0.0255	-0.4365	-72.4275	1
7175_7175	7175	7175	-130.406	-26.9595	0.012	0.1095	-0.4095	-724.859	1
7175_7176	7175	7176	-9.846	-0.4005	-0.0165	-0.0135	-0.5325	-70.968	1
7176_7176	7176	7176	-132.791	-17.8035	-0.009	-0.0495	-0.366	-736.155	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7176_7177	7176	7177	-9.6105	-0.4005	-0.0165	-0.0255	-0.6285	-69.507	1
7177_7177	7177	7177	-132.206	-23.5875	-0.0135	-0.051	-0.4365	-725.115	1
7177_7178	7177	7178	-9.3765	-0.4005	-0.0165	-0.0255	-0.7245	-68.0475	1
7178_7178	7178	7178	-129.449	-18.1575	-0.0075	-0.0405	-0.5535	-697.77	1
7178_7179	7178	7179	-9.09	-0.3645	-0.018	-0.0225	-0.8655	-66.27	1
7179_7179	7179	7179	-130.128	-25.821	-0.0135	0.039	-0.6885	-684.641	1
7179_7180	7179	7180	-8.8035	-0.3645	-0.018	-0.0135	-1.0065	-64.494	1
7180_7180	7180	7180	-127.092	-32.907	-0.015	-0.0555	-0.8805	-643.449	1
7180_7181	7180	7181	-8.5185	-0.3645	-0.018	-0.021	-1.1475	-62.718	1
7181_7181	7181	7181	-119.955	-33.1725	0.018	-0.0255	-1.1025	-574.335	1
7181_7182	7181	7182	-17.985	21.078	-0.042	-0.03	-0.6465	-213.512	1
7182_7182	7182	7182	-113.945	-39.534	0.012	-0.033	-1.092	-510.963	1
7182_7183	7182	7183	-37.014	27.999	-0.042	-0.0255	-0.723	-315.185	1
7183_7183	7183	7183	-104.456	-45.351	0.0015	0.012	-1.326	-428.936	1
7183_7184	7183	7184	-64.776	36.324	-0.0465	0.006	-0.9705	-504.429	1
7184_7184	7184	7184	-22.791	-4.422	0.003	0.03	-0.1605	-203.045	1
7184_7185	7184	7185	-76.5825	-31.2105	-0.0015	0.0975	1.683	-589.43	1
7185_7185	7185	7185	-22.7565	0.591	-0.003	-0.006	-1.2495	-386.231	1
7185_7186	7185	7186	-63.0885	-21.6405	0.0045	0.084	1.4985	-370.307	1
7186_7186	7186	7186	-50.2425	-3.4815	-0.015	-0.0855	-1.329	-578.249	1
7186_7187	7186	7187	-49.83	-6.042	0.006	-0.1005	-1.932	-413.663	1
7187_7187	7187	7187	-90.1305	-12.7635	-0.0165	0.0135	-1.44	-712.208	1
7187_7188	7187	7188	-51.222	-5.787	0.006	0.003	-1.6665	-344.967	1
7188_7188	7188	7188	-112.392	-12.3195	0.012	-0.042	-1.6965	-788.171	1
7188_7189	7188	7189	-47.9805	-5.256	0.009	-0.03	-1.59	-317.108	1
7189_7189	7189	7189	-129.33	-19.032	0.0105	0.03	-1.485	-871.376	1
7189_7190	7189	7190	-41.4015	-5.2485	0.009	0.0105	-1.3275	-274.653	1
7190_7190	7190	7190	-138.119	-18.0795	0.0105	0.0105	-1.425	-927.843	1
7190_7191	7190	7191	-35.9145	-4.8465	0.009	0.009	-1.2285	-237.191	1
7191_7191	7191	7191	-149.042	-27.2505	0.009	0.0045	-1.347	-992.997	1
7191_7192	7191	7192	-30.516	-4.713	0.009	0.009	-1.119	-200.691	1
7192_7192	7192	7192	-150.885	-23.457	-0.0015	0.012	-1.293	-1002.16	1
7192_7193	7192	7193	-25.8555	-4.5135	0.009	0.0165	-1.0095	-169.107	1
7193_7193	7193	7193	-157.149	-14.994	-0.006	-0.006	-1.3515	-1034.18	1
7193_7194	7193	7194	-25.0905	4.548	-0.012	-0.021	-1.038	-152.261	1
7194_7194	7194	7194	-154.901	-9.738	-0.0045	0.039	-1.419	-1020.96	1
7194_7195	7194	7195	-29.9025	4.788	-0.0105	-0.0075	-1.1805	-185.858	1
7195_7195	7195	7195	-158.25	-18.6825	-0.0075	-0.0375	-1.4565	-1041.57	1
7195_7196	7195	7196	-34.92	5.0415	-0.012	-0.021	-1.335	-224.229	1
7196_7196	7196	7196	-153.165	-13.578	-0.015	0.009	-1.5315	-1012.1	1
7196_7197	7196	7197	-40.803	5.397	-0.012	-0.0015	-1.4835	-265.326	1
7197_7197	7197	7197	-152.465	-23.379	-0.0165	0.003	-1.6755	-1008.28	1
7197_7198	7197	7198	-46.8825	5.457	-0.012	-0.0015	-1.6185	-303.683	1
7198_7198	7198	7198	-142.889	-19.8435	-0.009	0.0315	-1.833	-949.803	1
7198_7199	7198	7199	-55.3575	6.1395	-0.012	0.0165	-1.7775	-358.089	1
7199_7199	7199	7199	-132.005	-31.716	-0.0135	-0.021	-1.995	-881.117	1
7199_7200	7199	7200	-57.6075	6.03	-0.012	0.0105	-1.9785	-380.888	1
7200_7200	7200	7200	-118.242	-28.9815	0.0105	0.0015	-2.0595	-818.109	1
7200_7201	7200	7201	-59.8635	6.861	-0.009	0.006	-2.0715	-440.444	1
7201_7201	7201	7201	-85.4535	-38.406	0.0195	0.183	-2.7675	-800.615	1
7201_7202	7201	7202	-63.5385	25.1685	0.006	-0.1425	3.1875	-398.09	1
7202_7202	7202	7202	-51.423	-43.6725	-0.012	0.0555	-2.337	-636.374	1
7202_7203	7202	7203	-75.972	33.378	0.0075	-0.1365	3.4635	-623.375	1
7203_7203	7203	7203	-22.773	3.906	0	-0.057	0.2055	-157.721	1
7203_7204	7203	7204	-87.762	41.3535	0.015	-0.198	3.702	-942.11	1
7204_7204	7204	7204	-97.929	-11.0685	0.0315	0.057	-3.306	-352.488	1
7204_7205	7204	7205	-36.201	-31.209	0.069	0.0195	-1.572	-360.705	1
7205_7205	7205	7205	-108.956	-6.6105	0.0045	0.0795	-2.025	-485.895	1
7205_7206	7205	7206	-18.4665	-23.973	0.063	0.0495	-1.29	-245.219	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7206_7206	7206	7206	-117.416	-11.8995	-0.0015	-0.0045	-1.758	-567.287	1
7206_7207	7206	7207	-7.8945	-1.011	0.036	0.021	-1.41	-78.2655	1
7207_7207	7207	7207	-123.113	-12.393	0.027	0.021	-1.5975	-631.764	1
7207_7208	7207	7208	-7.2045	-0.912	0.036	0.036	-1.11	-73.3575	1
7208_7208	7208	7208	-129.8	-18.3375	0.0195	0.0075	-1.236	-701.301	1
7208_7209	7208	7209	-6.516	-0.912	0.036	0.036	-0.8175	-68.7705	1
7209_7209	7209	7209	-133.089	-24.924	0.009	0.09	-0.984	-745.736	1
7209_7210	7209	7210	-6.6105	0.81	-0.036	-0.036	-0.36	-74.592	1
7210_7210	7210	7210	-133.398	-22.9755	0.0315	0.0015	-0.8535	-765.155	1
7210_7211	7210	7211	-7.0815	0.8325	-0.036	-0.0405	-0.5775	-77.703	1
7211_7211	7211	7211	-136.119	-28.0425	0.024	-0.0105	-0.663	-793.086	1
7211_7212	7211	7212	-7.5525	0.8325	-0.036	-0.0405	-0.7965	-80.814	1
7212_7212	7212	7212	-137.399	-16.9755	-0.018	0.0855	-0.6345	-810.531	1
7212_7213	7212	7213	-8.028	0.843	-0.036	-0.027	-1.02	-85.6125	1
7213_7213	7213	7213	-137.018	-22.4325	-0.0225	-0.0735	-0.7935	-802.346	1
7213_7214	7213	7214	-8.508	0.855	-0.039	-0.0435	-1.2615	-90.8955	1
7214_7214	7214	7214	-134.769	-18.54	-0.0045	-0.0405	-1.0245	-778.754	1
7214_7215	7214	7215	-9.1395	0.837	-0.0435	-0.0345	-1.605	-95.0685	1
7215_7215	7215	7215	-134.93	-25.692	-0.0135	-0.0495	-1.2345	-764.201	1
7215_7216	7215	7216	-9.783	0.861	-0.045	-0.036	-2.0115	-103.217	1
7216_7216	7216	7216	-132.065	-32.292	-0.024	0.0345	-1.548	-724.5	1
7216_7217	7216	7217	-10.4325	0.861	-0.0435	-0.0225	-2.3655	-107.51	1
7217_7217	7217	7217	-125.702	-33.1215	0.012	0.1035	-1.977	-659.139	1
7217_7218	7217	7218	-17.913	23.8065	-0.0345	0.117	-1.335	-247.556	1
7218_7218	7218	7218	-120.062	-38.9745	0.003	0.123	-2.1735	-597.126	1
7218_7219	7218	7219	-37.116	29.748	-0.0345	0.1155	-1.182	-353.978	1
7219_7219	7219	7219	-111.281	-44.319	0.0285	-0.4455	-2.496	-505.55	1
7219_7220	7219	7220	-65.403	37.4985	-0.0465	-0.276	-1.143	-534.971	1
7220_7220	7220	7220	-22.128	-4.86	-0.006	0.132	1.1715	-164.051	1
7220_7221	7220	7221	-73.0695	-29.547	-0.0285	0.324	3.0945	-509.213	1
7221_7221	7221	7221	-33.6225	-0.345	-0.0075	-0.1455	-2.2635	-508.424	1
7221_7222	7221	7222	-66.123	-8.514	-0.003	-0.24	-4.0995	-648.914	1
7222_7222	7222	7222	-63.2145	-4.4295	-0.0105	0.0195	-2.544	-704.312	1
7222_7223	7222	7223	-69.3705	-8.1135	0.0195	-0.0315	-3.8475	-559.574	1
7223_7223	7223	7223	-109.323	-12.9105	-0.0135	-0.1155	-1.881	-814.361	1
7223_7224	7223	7224	-72.933	-7.878	0.012	-0.075	-2.3745	-453.318	1
7224_7224	7224	7224	-134.426	-13.494	0.018	0.159	-2.1375	-897.185	1
7224_7225	7224	7225	-68.049	-7.596	0.021	0.0675	-2.2065	-414.152	1
7225_7225	7225	7225	-141.629	-20.691	0.012	-0.15	-2.157	-1026.41	1
7225_7226	7225	7226	-53.703	-7.6485	0.021	-0.0555	-2.0145	-363.081	1
7226_7226	7226	7226	-150.612	-21.0075	0.021	0.2295	-2.052	-1094.82	1
7226_7227	7226	7227	-45.5145	-7.2435	0.0225	0.093	-1.7505	-305.763	1
7227_7227	7227	7227	-159.114	-30.0645	0.015	-0.2145	-1.839	-1154.34	1
7227_7228	7227	7228	-37.521	-7.0875	0.021	-0.0345	-1.4835	-250.299	1
7228_7228	7228	7228	-158.825	-28.1145	0.012	0.2955	-1.68	-1155.01	1
7228_7229	7228	7229	-34.758	5.8845	-0.003	0.063	-1.0755	-234.785	1
7229_7229	7229	7229	-161.235	-18.705	0	-0.2745	-1.4805	-1172.04	1
7229_7230	7229	7230	-41.532	6.2535	-0.003	-0.06	-1.152	-289.719	1
7230_7230	7230	7230	-153.657	-16.8285	-0.0075	0.288	-1.4175	-1121.97	1
7230_7231	7230	7231	-49.2345	6.7245	-0.0105	0.1125	-1.2975	-344.877	1
7231_7231	7231	7231	-149.604	-26.595	-0.018	-0.2295	-1.476	-1091.71	1
7231_7232	7231	7232	-57.177	6.8565	-0.012	-0.057	-1.4595	-399.987	1
7232_7232	7232	7232	-136.745	-26.706	0.0345	0.303	-1.6425	-1001.58	1
7232_7233	7232	7233	-59.388	7.503	0	0.156	-1.4595	-414.09	1
7233_7233	7233	7233	-133.778	-29.268	0.048	0.1065	-2.391	-987.068	1
7233_7234	7233	7234	-62.739	7.542	0	0.072	-2.304	-448.151	1
7234_7234	7234	7234	-126.27	-33.972	0.0405	0.0255	-2.073	-949.883	1
7234_7235	7234	7235	-65.4135	7.401	-0.0015	0.048	-2.3175	-493.238	1
7235_7235	7235	7235	-108.257	-40.065	0.0285	-0.069	-1.7475	-875.006	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7235_7236	7235	7236	-65.73	7.2435	-0.003	0.009	-2.334	-524.604	1
7236_7236	7236	7236	-76.701	-39.3315	0.0555	0.219	-2.55	-897.959	1
7236_7237	7236	7237	-64.9845	27.582	-0.0195	-0.015	1.7055	-406.569	1
7237_7237	7237	7237	-52.515	-46.368	0.063	-0.1305	-1.9395	-768.057	1
7237_7238	7237	7238	-77.712	35.565	-0.006	-0.276	1.8285	-616.22	1
7238_7238	7238	7238	-32.3745	-35.931	-0.168	-0.045	-1.131	-618.075	1
7238_7239	7238	7239	-83.6475	29.127	0.096	0.1215	2.841	-811.443	1
7239_7239	7239	7239	-22.6125	6.51	-0.0225	-0.1035	-0.7665	-207.767	1
7239_7240	7239	7240	-90.237	35.3205	0.1245	-0.2895	4.3665	-1061.16	1
7240_7240	7240	7240	-119.201	-10.17	0.1125	0.552	-5.6835	-583.274	1
7240_7241	7240	7241	-21.879	-25.341	0.0825	0.171	-1.344	-403.509	1
7241_7241	7241	7241	-124.134	-15.588	0.108	0.183	-4.0275	-644.82	1
7241_7242	7241	7242	-8.922	-1.254	0.0015	0.0825	1.2015	33.2085	1
7242_7242	7242	7242	-126.102	-22.3395	0.099	-0.039	-2.88	-692.19	1
7242_7243	7242	7243	-8.076	-1.2165	0.0045	0.0915	1.2495	38.1165	1
7243_7243	7243	7243	-123.572	-11.847	0.0405	0.255	-1.9965	-702.69	1
7243_7244	7243	7244	-7.2015	-1.0095	-0.0255	0.0405	0.993	43.7655	1
7244_7244	7244	7244	-130.964	-18.7545	0.0555	-0.051	-1.3935	-796.046	1
7244_7245	7244	7245	-6.75	-0.5475	0.042	0.0435	-0.1455	-82.7325	1
7245_7245	7245	7245	-135.066	-22.026	-0.03	0.1845	-0.6675	-854.756	1
7245_7246	7245	7246	-6.291	-0.5265	0.045	0.081	0.3165	-79.0905	1
7246_7246	7246	7246	-139.166	-30.378	-0.03	-0.186	-0.918	-905.967	1
7246_7247	7246	7247	-5.8785	-0.5265	0.0435	0.045	0.717	-75.843	1
7247_7247	7247	7247	-141.164	-14.736	0.0135	0.315	-1.2585	-914.939	1
7247_7248	7247	7248	-5.718	0.915	-0.0615	-0.0255	-1.686	-106.781	1
7248_7248	7248	7248	-142.868	-22.8255	0.018	-0.3195	-1.2615	-908.958	1
7248_7249	7248	7249	-6.5055	0.915	-0.066	-0.1035	-2.367	-113.007	1
7249_7249	7249	7249	-140.207	-26.6085	-0.1065	0.117	-1.38	-857.903	1
7249_7250	7249	7250	-7.2705	0.9225	-0.1095	-0.015	-3.4635	-119.108	1
7250_7250	7250	7250	-137.205	-34.0815	-0.105	-0.2415	-2.8905	-797.688	1
7250_7251	7250	7251	-8.0175	0.9225	-0.1125	-0.072	-4.5495	-125.012	1
7251_7251	7251	7251	-130.263	-23.025	0.0705	0.2625	-4.3125	-705.989	1
7251_7252	7251	7252	-19.1715	22.1325	0.0975	0.3855	-1.1535	-365.577	1
7252_7252	7252	7252	-133.515	-29.1405	0.0915	-0.2115	-3.801	-692.126	1
7252_7253	7252	7253	-38.199	26.2905	0.051	0.0855	0.0495	-491.838	1
7253_7253	7253	7253	-28.389	-5.7885	-0.099	0.483	1.716	-234.665	1
7253_7254	7253	7254	-83.5305	-23.706	-0.081	0.657	3.39	-810.5	1
7254_7254	7254	7254	-27.8025	-5.8365	0.0555	0.1395	1.0305	-200.501	1
7254_7255	7254	7255	-76.239	-22.9215	0.0945	0.3345	4.29	-566.039	1
7255_7255	7255	7255	-46.8405	-11.061	-0.1125	-0.2025	-3.597	-680.778	1
7255_7256	7255	7256	-67.2015	-21.498	0.0975	-0.024	5.1015	-395.228	1
7256_7256	7256	7256	-62.223	-3.066	0.0525	0.078	-5.2725	-758.217	1
7256_7257	7256	7257	-63.9285	-7.869	-0.0075	-0.0075	-5.805	-601.077	1
7257_7257	7257	7257	-101.379	-7.776	0.0345	-0.0675	-3.243	-804.732	1
7257_7258	7257	7258	-73.5015	-7.6935	-0.006	-0.057	-3.6885	-506.201	1
7258_7258	7258	7258	-119.888	-12.423	0.0375	-0.108	-3.1125	-879.44	1
7258_7259	7258	7259	-71.652	-7.8735	-0.006	-0.063	-3.7305	-476.481	1
7259_7259	7259	7259	-130.589	-10.965	0.0195	0.1635	-2.991	-923.741	1
7259_7260	7259	7260	-67.17	-7.4985	0.039	0.075	-3.4425	-435.822	1
7260_7260	7260	7260	-150.942	-16.2855	0.012	-0.0345	-2.1585	-940.752	1
7260_7261	7260	7261	-62.502	-7.6785	0.0285	0	-2.2935	-369.981	1
7261_7261	7261	7261	-161.421	-22.5105	0.0105	-0.126	-2.106	-1006.54	1
7261_7262	7261	7262	-56.2515	-7.614	0.0285	-0.039	-2.07	-333.213	1
7262_7262	7262	7262	-166.412	-20.0715	0.021	0.114	-2.0415	-1040.32	1
7262_7263	7262	7263	-47.7135	-7.263	0.021	0.0555	-1.818	-283.263	1
7263_7263	7263	7263	-176.933	-28.6875	0.0195	-0.0825	-1.8015	-1106.53	1
7263_7264	7263	7264	-39.4305	-7.071	0.021	0	-1.5615	-231.975	1
7264_7264	7264	7264	-177.711	-28.0635	0.0105	0.1875	-1.539	-1116.63	1
7264_7265	7264	7265	-35.2245	7.2375	0.003	0.06	-0.921	-242.228	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7265_7265	7265	7265	-180.366	-37.176	0.003	-0.1605	-1.3755	-1136.63	1
7265_7266	7265	7266	-43.617	7.371	0	-0.0225	-0.921	-292.899	1
7266_7266	7266	7266	-172.782	-16.9875	0.0105	0.1875	-1.1145	-1102.58	1
7266_7267	7266	7267	-52.671	7.818	-0.0045	0.0915	-0.9675	-346.413	1
7267_7267	7267	7267	-168.188	-25.7385	0.003	-0.1005	-0.9075	-1075.47	1
7267_7268	7267	7268	-61.914	7.941	-0.006	-0.006	-1.0335	-401.648	1
7268_7268	7268	7268	-155.121	-26.343	0.0585	0.318	-0.8085	-997.542	1
7268_7269	7268	7269	-65.4075	8.6415	0.0105	0.1695	-0.99	-421.395	1
7269_7269	7269	7269	-141.251	-29.6025	0.072	0.1515	-0.7425	-1064.23	1
7269_7270	7269	7270	-66.87	8.5875	0.012	0.1155	-1.2105	-514.716	1
7270_7270	7270	7270	-125.147	-36.6645	0.0615	-0.12	-0.027	-989.721	1
7270_7271	7270	7271	-68.742	8.577	0.0105	-0.006	-1.0935	-581.916	1
7271_7271	7271	7271	-83.6205	-38.796	0.159	0.384	0.8805	-966.522	1
7271_7272	7271	7272	-66.2085	31.404	-0.144	0.0015	-1.665	-420.821	1
7272_7272	7272	7272	-53.7555	-46.2165	0.1245	-0.2805	2.295	-812.315	1
7272_7273	7272	7273	-84.2655	41.3895	-0.141	-0.18	-4.1595	-714.515	1
7273_7273	7273	7273	-27.234	-33.3645	-0.501	0.1065	2.985	-606.966	1
7273_7274	7273	7274	-86.6235	27.4575	0.633	-0.249	-0.6495	-831.747	1
7274_7274	7274	7274	-21.1305	-36.873	-0.447	-0.1215	0.045	-572.229	1
7274_7275	7274	7275	-90.297	32.2485	0.705	-0.741	4.8555	-999.9	1
7275_7275	7275	7275	-130.779	-23.1255	-0.4335	-0.7245	-4.143	-678.596	1
7275_7276	7275	7276	-21.687	-22.011	-0.165	-0.6285	-3.138	-416.339	1
7276_7276	7276	7276	-127.89	-13.1895	0.1785	0.3555	-6.105	-676.299	1
7276_7277	7276	7277	-13.9545	-20.88	0.126	0.186	-3.0135	-371.358	1
7277_7277	7277	7277	-130.632	-16.0845	0.1575	0.1215	-4.551	-697.379	1
7277_7278	7277	7278	-6.747	-1.0065	0.0075	0.0435	-0.072	29.3535	1
7278_7278	7278	7278	-132.95	-24.0915	0.141	-0.204	-2.4915	-746.82	1
7278_7279	7278	7279	-5.949	-0.987	0.0105	0.0555	0.0465	34.3935	1
7279_7279	7279	7279	-128.813	-18.294	-0.051	0.2955	-1.0095	-743.931	1
7279_7280	7279	7280	-4.8285	-1.089	0.0105	0.024	0.192	41.1855	1
7280_7280	7280	7280	-131.115	-27.384	-0.0375	-0.204	-1.341	-791.543	1
7280_7281	7280	7281	-3.717	-1.0305	0.015	0.0495	0.381	46.8015	1
7281_7281	7281	7281	-109.905	-27.1995	0.1275	0.255	-4.6185	-858.528	1
7281_7282	7281	7282	-5.472	-0.888	-0.0285	0.009	0.8115	69.7635	1
7282_7282	7282	7282	-112.961	-20.7615	0.0285	-0.354	-1.3965	-853.692	1
7282_7283	7282	7283	-4.7715	-0.888	-0.018	0.063	0.6135	77.1465	1
7283_7283	7283	7283	-112.658	-15.6045	-0.1935	0.354	-0.8685	-801.312	1
7283_7284	7283	7284	-4.0845	-0.9105	0.0915	-0.0255	1.539	79.7235	1
7284_7284	7284	7284	-119.967	-25.038	-0.2085	-0.4875	-3.4335	-818.01	1
7284_7285	7284	7285	-3.489	-0.8715	0.102	0.0585	2.4615	82.0965	1
7285_7285	7285	7285	-122.921	-12.072	0.162	0.363	-6.843	-747.662	1
7285_7286	7285	7286	-3.048	-0.777	0.072	-0.075	2.9745	83.865	1
7286_7286	7286	7286	-129.404	-18.357	0.204	0.039	-5.9895	-765.62	1
7286_7287	7286	7287	-11.715	22.3755	-0.054	0.069	-1.9485	-436.778	1
7287_7287	7287	7287	-132.411	-23.6685	0.2595	-0.4005	-4.875	-765.657	1
7287_7288	7287	7288	-22.5	24.9915	-0.075	-0.204	-1.9995	-567.785	1
7288_7288	7288	7288	-20.235	-3.5085	-0.1965	0.033	-0.6525	-552.84	1
7288_7289	7288	7289	-50.235	-13.0395	-0.1005	0.1275	-6.2175	-1004.18	1
7289_7289	7289	7289	-37.6515	-11.715	-0.225	-0.5955	-3.8445	-789.486	1
7289_7290	7289	7290	-52.419	-12.936	-0.102	-0.7665	-7.257	-879.903	1
7290_7290	7290	7290	-53.106	-9.246	0.0135	0.195	-7.041	-927.602	1
7290_7291	7290	7291	-53.0445	-9.7305	-0.06	0.156	-7.842	-816.191	1
7291_7291	7291	7291	-66.228	-14.5845	-0.0045	0.1185	-7.407	-1044.95	1
7291_7292	7291	7292	-52.0575	-9.7995	-0.06	0.081	-8.352	-746.039	1
7292_7292	7292	7292	-92.5455	-21.156	-0.021	-0.6345	-5.4525	-1062.83	1
7292_7293	7292	7293	-59.1135	-9.681	-0.0435	-0.4005	-5.823	-658.922	1
7293_7293	7293	7293	-96.9735	-9.645	0.0855	0.3555	-5.7315	-1095.11	1
7293_7294	7293	7294	-56.292	-6.7755	0.0435	0.2175	-5.523	-624.749	1
7294_7294	7294	7294	-109.298	6.8715	0.087	0.042	-5.7705	-1223.58	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7294_7295	7294	7295	-52.4805	-6.7035	0.042	0.027	-5.2065	-583.026	1
7295_7295	7295	7295	-103.142	-0.1365	0.12	-0.816	-7.7685	-1447.16	1
7295_7296	7295	7296	-42.1875	-6.7575	0.063	-0.357	-7.5225	-591.075	1
7296_7296	7296	7296	-109.245	5.3925	0.0885	0.681	-7.0575	-1528.41	1
7296_7297	7296	7297	-38.595	-5.88	0.075	0.264	-6.7335	-542.211	1
7297_7297	7297	7297	-120.855	-3.444	0.093	-0.5685	-6.1335	-1682.68	1
7297_7298	7297	7298	-34.8915	-5.8125	0.072	-0.1515	-5.931	-491.49	1
7298_7298	7298	7298	-126.687	0.924	0.069	1.1055	-4.9545	-1759.93	1
7298_7299	7298	7299	-31.6965	-5.139	0.075	0.3255	-5.091	-448.824	1
7299_7299	7299	7299	-134.831	-7.8975	0.0615	-0.8295	-4.0245	-1867.89	1
7299_7300	7299	7300	-28.119	-5.106	0.0735	-0.153	-4.1865	-400.178	1
7300_7300	7300	7300	-136.964	-2.9715	0.087	0.9915	-3.057	-1895.81	1
7300_7301	7300	7301	-25.0035	-4.5975	0.0735	0.2535	-3.2955	-356.909	1
7301_7301	7301	7301	-142.097	-33.9345	0.0855	-0.8235	-2.1315	-1964.56	1
7301_7302	7301	7302	-22.038	-4.572	0.072	-0.084	-2.46	-316.428	1
7302_7302	7302	7302	-141.425	-28.263	0.054	1.005	-1.032	-1955.18	1
7302_7303	7302	7303	-18.993	-4.2945	0.0645	0.2445	-1.641	-274.505	1
7303_7303	7303	7303	-144.177	-37.6455	0.045	-1.02	-0.249	-1991.12	1
7303_7304	7303	7304	-16.377	-4.2405	0.063	-0.054	-0.9645	-237.35	1
7304_7304	7304	7304	-140.469	-31.431	0.027	1.0275	0.2745	-1940.84	1
7304_7305	7304	7305	-13.8015	-3.969	0.0345	0.2175	-0.579	-199.691	1
7305_7305	7305	7305	-139.968	-40.206	0.018	-0.852	0.57	-1932.58	1
7305_7306	7305	7306	-11.127	-3.894	0.033	0.012	-0.186	-161.4	1
7306_7306	7306	7306	-131.78	-36.666	-0.0195	0.984	0.705	-1820.84	1
7306_7307	7306	7307	-8.7675	-3.4935	0.0015	0.183	-0.2115	-123.755	1
7307_7307	7307	7307	-124.538	-46.7715	-0.0225	-0.9135	0.408	-1720.17	1
7307_7308	7307	7308	-6.552	-3.198	0.0045	0.0345	-0.1635	-86.9145	1
7308_7308	7308	7308	-107.478	-48.2715	0.108	0.7575	0.0915	-1486.76	1
7308_7309	7308	7309	-4.473	-2.925	0.0615	0.1335	0.6105	-52.8375	1
7309_7309	7309	7309	-84.9585	-67.0395	0.09	-0.633	1.221	-1183.2	1
7309_7310	7309	7310	-3.933	3.969	-0.723	-0.0765	-16.9275	15.156	1
7310_7310	7310	7310	-51.807	-76.029	-0.1335	0.0525	1.7925	-731.085	1
7310_7311	7310	7311	-7.7175	16.3035	0.7215	0.0015	0	-29.1855	1
7400_7020	7400	7020	-18.7035	-1.1475	-1.281	-0.042	16.509	-98.3175	1
7400_7401	7400	7401	-98.787	10.3305	-3.201	0.033	-31.062	70.056	1
7401_7401	7401	7401	-18.6705	-1.209	-0.8385	0.321	11.07	-93.6165	1
7401_7402	7401	7402	-98.7345	8.337	1.7625	-0.585	-23.904	40.9485	1
7402_7402	7402	7402	-18.6375	-1.6575	-0.801	-0.054	8.0955	-89.4015	1
7402_7403	7402	7403	-98.9025	5.967	1.9575	0.0705	-2.5095	-24.219	1
7403_7403	7403	7403	-19.182	-2.2965	0.0315	0.0615	-0.5835	-72.231	1
7403_7404	7403	7404	-90.3375	2.9985	0.054	-0.1185	-2.2305	-45.828	1
7404_7404	7404	7404	-19.1235	-2.742	0.0435	0.0345	-0.3705	-55.677	1
7404_7405	7404	7405	-90.384	0.8955	0.1095	-0.0945	-1.4505	-52.281	1
7405_7405	7405	7405	-19.647	-3.4665	-0.051	0.0525	0.0585	-36.075	1
7405_7406	7405	7406	-84.588	-1.7325	0.123	-0.114	0.051	-27.321	1
7406_7406	7406	7406	-20.2305	-4.218	1.1235	0.1215	-0.537	13.9425	1
7406_7407	7406	7407	-80.247	-4.371	-1.011	-0.186	-9.219	11.4045	1
7407_7407	7407	7407	-20.1375	-4.641	1.1265	-0.072	9.4215	51.3165	1
7407_7408	7407	7408	-80.139	-6.051	-1.0035	0.0075	-14.7915	45.024	1
7408_7408	7408	7408	-21.3645	-0.183	-0.858	1.2465	16.3575	77.0955	1
7408_7409	7408	7409	-82.2615	7.0545	-2.9535	0.8535	9.03	91.2285	1
7409_7409	7409	7409	-21.5205	-0.2865	-0.0105	-1.17	13.7475	77.109	1
7409_7410	7409	7410	-82.5765	-8.337	-2.3715	-0.753	1.824	116.034	1
7410_7410	7410	7410	-22.0155	4.326	-0.9555	0.132	13.149	77.7765	1
7410_7411	7410	7411	-86.7195	8.6685	-0.192	0.1125	0.6465	53.358	1
7411_7411	7411	7411	-22.101	3.8655	-0.948	-0.0135	7.8315	53.742	1
7411_7412	7411	7412	-86.883	6.852	-0.162	0.117	-0.789	-7.335	1
7412_7412	7412	7412	-23.121	3.0765	0.018	0.036	-0.6015	19.3245	1
7412_7413	7412	7413	-92.3625	4.0185	-0.081	0.111	-1.722	-65.2335	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7413_7413	7413	7413	-24.2115	2.301	0.072	0.024	-0.3645	-24.969	1
7413_7414	7413	7414	-99.4245	1.251	0.018	0.06	-1.3875	-74.2605	1
7414_7414	7414	7414	-24.258	1.7475	0.051	0.054	0.1425	-41.571	1
7414_7415	7414	7415	-99.4275	-1.02	-0.0645	0.1515	-1.866	-66.9135	1
7415_7415	7415	7415	-25.509	1.0335	-1.6005	-0.063	0.516	-53.913	1
7415_7416	7415	7416	-109.367	-4.074	-2.586	-0.081	-30.0255	-22.4145	1
7416_7416	7416	7416	-25.5255	0.4275	-1.6215	0.3915	-16.983	-65.202	1
7416_7417	7416	7417	-109.238	-6.6675	-2.67	0.6495	-39.3315	0.8295	1
7417_7417	7417	7417	-25.5795	0.4035	-0.765	-0.054	-23.4105	-66.6915	1
7417_7036	7417	7036	-109.341	-8.478	2.0145	-0.0735	-32.448	35.5335	1
7420_7056	7420	7056	-25.53	0.075	1.176	0.0405	-17.358	-45.4425	1
7420_7421	7420	7421	-105.716	8.853	-2.553	0.0615	-30.3585	25.107	1
7421_7421	7421	7421	-25.449	0.108	0.906	-0.177	-11.9955	-45.741	1
7421_7422	7421	7422	-105.576	7.0695	2.01	-0.4905	-21.8595	0.459	1
7422_7422	7422	7422	-25.443	-0.5025	0.924	0.003	-8.847	-46.1175	1
7422_7423	7422	7423	-105.714	4.536	2.082	0.0345	0.8655	-49.0635	1
7423_7423	7423	7423	-23.565	-1.137	-0.1125	-0.0165	1.227	-41.046	1
7423_7424	7423	7424	-94.9275	1.752	-0.162	-0.084	-0.42	-61.7055	1
7424_7424	7424	7424	-23.5305	-1.695	-0.093	-0.051	0.408	-32.8425	1
7424_7425	7424	7425	-94.9425	-0.498	-0.0885	-0.1215	-1.074	-58.113	1
7425_7425	7425	7425	-21.7845	-2.364	-0.033	-0.03	-0.228	-20.6205	1
7425_7426	7425	7426	-87.375	-2.9445	0.1095	-0.1095	0.3435	-15.6675	1
7426_7426	7426	7426	-20.145	-3.0285	0.495	-0.018	-0.6915	13.4385	1
7426_7427	7426	7427	-81.4305	-5.538	-0.54	-0.1575	-4.614	33.363	1
7427_7427	7427	7427	-20.079	-3.438	0.513	-0.06	3.711	40.248	1
7427_7428	7427	7428	-81.3015	-7.1985	-0.4695	-0.036	-7.209	73.3815	1
7428_7428	7428	7428	-18.966	0.621	0.219	0.813	6.99	59.622	1
7428_7429	7428	7429	-76.743	9.093	2.301	-0.111	-0.876	47.556	1
7429_7429	7429	7429	-18.909	-0.2895	0.711	-0.867	7.665	57.615	1
7429_7430	7429	7430	-76.4865	-7.926	2.2335	0.0165	5.889	71.6355	1
7430_7430	7430	7430	-18.5835	3.255	-0.816	0.081	10.5795	56.04	1
7430_7431	7430	7431	-80.412	6.7965	-0.0495	0.075	-1.032	28.236	1
7431_7431	7431	7431	-18.6465	2.877	-0.7875	0.0105	6.021	37.947	1
7431_7432	7431	7432	-80.535	5.1585	0.0675	0.1365	-0.4485	-17.4375	1
7432_7432	7432	7432	-19.365	2.223	0.0525	0.033	-0.9915	12.4155	1
7432_7433	7432	7433	-86.109	2.565	-0.069	0.111	-1.245	-54.4155	1
7433_7433	7433	7433	-20.1525	1.584	0.114	0.051	-0.3105	-19.5375	1
7433_7434	7433	7434	-93.24	0.156	0.111	0.117	-0.2865	-55.545	1
7434_7434	7434	7434	-20.184	1.1055	0.1245	0.021	0.516	-30.948	1
7434_7435	7434	7435	-93.2175	-2.052	0.162	0.0945	0.891	-40.746	1
7435_7435	7435	7435	-21.123	0.5175	-1.3005	-0.015	1.386	-38.436	1
7435_7436	7435	7436	-103.508	-4.812	-2.28	-0.045	-23.904	11.8125	1
7436_7436	7436	7436	-21.132	0.018	-1.269	0.222	-12.7965	-44.1015	1
7436_7437	7436	7437	-103.367	-7.263	-2.1285	0.5385	-31.3215	37.113	1
7437_7437	7437	7437	-21.1845	0.0135	-0.324	-0.051	-18.117	-44.1585	1
7437_7072	7437	7072	-103.496	-9.0255	2.4075	-0.069	-23.1075	74.052	1
7440_7094	7440	7094	-22.896	-0.0345	0.663	0.0495	-15.804	-48.4305	1
7440_7441	7440	7441	-101.84	8.7735	-2.4165	0.072	-25.9545	33.2325	1
7441_7441	7441	7441	-22.821	-0.033	0.942	-0.2085	-12.324	-48.291	1
7441_7442	7441	7442	-101.67	7.0425	1.755	-0.4515	-18.2505	8.649	1
7442_7442	7442	7442	-22.8135	-0.585	0.948	-0.0015	-9.0435	-48.177	1
7442_7443	7442	7443	-101.81	4.5765	1.782	-0.006	1.194	-41.307	1
7443_7443	7443	7443	-21.654	-1.212	-0.1035	-0.042	1.2525	-42.3585	1
7443_7444	7443	7444	-91.668	1.92	-0.126	-0.135	0.09	-55.1475	1
7444_7444	7444	7444	-21.6195	-1.725	-0.1095	-0.045	0.5115	-33.615	1
7444_7445	7444	7445	-91.6875	-0.252	-0.1515	-0.1215	-0.999	-53.328	1
7445_7445	7445	7445	-20.5785	-2.3895	-0.0375	-0.039	-0.246	-21.258	1
7445_7446	7445	7446	-84.7245	-2.5485	0.105	-0.135	0.3225	-16.5585	1
7446_7446	7446	7446	-19.6335	-3.084	0.546	-0.045	-0.813	13.275	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7446_7447	7446	7447	-79.233	-5.1045	-0.345	-0.183	-2.931	28.6035	1
7447_7447	7447	7447	-19.566	-3.4785	0.591	-0.0405	4.0605	40.5615	1
7447_7448	7447	7448	-79.1145	-6.699	-0.168	-0.063	-3.843	65.847	1
7448_7448	7448	7448	-19.1205	0.5685	0.1125	1.2555	7.8255	60.156	1
7448_7449	7448	7449	-74.8605	9.1785	2.3025	0.3165	2.4375	39.6975	1
7449_7449	7449	7449	-19.0575	-0.2745	0.639	-1.3245	8.1825	58.4055	1
7449_7450	7449	7450	-74.5785	-7.9395	2.226	-0.402	9.186	63.8265	1
7450_7450	7450	7450	-18	3.6825	-0.729	0.021	9.465	59.256	1
7450_7451	7450	7451	-76.515	6.501	0.4515	0.096	-3.678	28.941	1
7451_7451	7451	7451	-18.069	3.3195	-0.735	-0.1005	5.4195	38.781	1
7451_7452	7451	7452	-76.6305	4.962	0.4245	0.1605	0.0855	-14.961	1
7452_7452	7452	7452	-17.529	2.634	0.096	-0.057	-1.176	9.33	1
7452_7453	7452	7453	-82.1055	2.505	-0.096	0.132	-1.047	-51.093	1
7453_7453	7453	7453	-17.0595	1.998	-0.0645	-0.051	0.0825	-28.4805	1
7453_7454	7453	7454	-89.0625	0.3165	0.1005	0.1305	-0.1035	-53.3745	1
7454_7454	7454	7454	-17.1015	1.5945	-0.06	-0.0525	-0.3825	-42.879	1
7454_7455	7454	7455	-89.046	-1.794	0.123	0.12	0.7875	-40.437	1
7455_7455	7455	7455	-17.502	0.453	-0.5265	0.012	0.777	-30.918	1
7455_7456	7455	7456	-99.1395	-4.359	-1.617	0.015	-16.653	7.1805	1
7456_7456	7456	7456	-17.5095	0.0465	-0.5115	0.096	-4.959	-35.8725	1
7456_7457	7456	7457	-99.0135	-6.6615	-1.533	0.408	-21.9855	30.3555	1
7457_7457	7457	7457	-17.5695	0.063	-0.7485	-0.03	-7.1505	-36.0315	1
7457_7110	7457	7110	-99.186	-8.4495	2.0805	-0.06	-14.8695	64.9605	1
7460_7132	7460	7132	-27.609	1.728	0.2865	0.036	-13.554	-43.3815	1
7460_7461	7460	7461	-115.667	15.063	-1.635	0.0555	-21.84	26.1405	1
7461_7461	7461	7461	-27.5775	0.5055	0.8835	-0.228	-11.3565	-51.8535	1
7461_7462	7461	7462	-115.983	8.3955	1.5675	-0.3585	-14.982	-3.1335	1
7462_7462	7462	7462	-27.5835	-0.1575	0.858	0.0195	-8.262	-53.6175	1
7462_7463	7462	7463	-116.153	5.61	1.4625	0.003	0.9795	-64.407	1
7463_7463	7463	7463	-26.997	-0.9705	-0.0885	-0.054	1.215	-52.149	1
7463_7464	7463	7464	-107.933	2.6985	-0.0555	-0.147	0.5685	-83.85	1
7464_7464	7464	7464	-26.9655	-1.6095	-0.129	-0.003	0.594	-45.1545	1
7464_7465	7464	7465	-107.966	0.1395	-0.21	-0.0405	-0.9015	-84.8505	1
7465_7465	7465	7465	-26.4885	-2.451	-0.0195	-0.021	-0.2175	-33.5835	1
7465_7466	7465	7466	-102.986	-2.4345	0.024	-0.0975	-0.603	-49.752	1
7466_7466	7466	7466	-26.106	-3.3255	0.252	0.0045	-0.42	1.8975	1
7466_7467	7466	7467	-99.8295	-5.373	0.3945	-0.078	2.727	-1.5375	1
7467_7467	7467	7467	-26.0325	-3.861	0.225	-0.0615	1.7925	31.3395	1
7467_7468	7467	7468	-99.699	-7.347	0.297	-0.132	4.3725	37.9725	1
7468_7468	7468	7468	-26.1225	1.7205	-0.753	0.489	3.27	52.809	1
7468_7469	7468	7469	-97.7355	13.6485	0.36	0.1575	5.6505	-1.533	1
7469_7469	7469	7469	-25.002	-2.3805	0.516	-0.3405	0.6885	22.0905	1
7469_7470	7469	7470	-91.4655	-13.6845	-0.4965	0.084	3.1275	15.1905	1
7470_7470	7470	7470	-25.1505	2.979	-0.1665	0.03	2.1375	29.2845	1
7470_7471	7470	7471	-93.8235	6.063	-0.246	0.1155	1.698	-18.5055	1
7471_7471	7471	7471	-25.2075	2.451	-0.171	0.0015	1.2135	12.7245	1
7471_7472	7471	7472	-93.93	4.089	-0.264	0.084	-0.645	-54.753	1
7472_7472	7472	7472	-25.728	1.677	0.0135	0.012	-0.3375	-9.0435	1
7472_7473	7472	7473	-97.3905	1.506	-0.0195	0.0945	-0.7305	-76.4475	1
7473_7473	7473	7473	-26.4585	0.897	0.045	0.048	-0.213	-33.0585	1
7473_7474	7473	7474	-102.801	-0.975	0.0195	0.132	-0.5115	-69.408	1
7474_7474	7474	7474	-26.472	0.282	0.0825	-0.012	0.126	-39.5235	1
7474_7475	7474	7475	-102.75	-3.3645	0.1635	0.045	0.7065	-45.1575	1
7475_7475	7475	7475	-27.3375	-0.4335	-0.444	0	0.6855	-41.472	1
7475_7476	7475	7476	-111.506	-6.201	-1.221	0.0045	-12.5655	22.5555	1
7476_7476	7476	7476	-27.318	-1.0905	-0.45	0.108	-4.17	-36.7305	1
7476_7477	7476	7477	-111.324	-8.874	-1.2435	0.3015	-16.896	53.511	1
7477_7477	7477	7477	-27.39	-1.08	-0.516	-0.0255	-6.0975	-32.9295	1
7477_7148	7477	7148	-111.527	-10.548	2.3955	-0.0555	-8.2095	96.684	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7480_7168	7480	7168	-30.129	1.1355	0.6675	0.0315	-9.087	-37.8345	1
7480_7481	7480	7481	-117.548	11.0805	-2.121	0.066	-18.0375	51.021	1
7481_7481	7481	7481	-30.0585	1.095	0.5295	-0.195	-6.0675	-42.4755	1
7481_7482	7481	7482	-117.423	9.3855	1.458	-0.249	-11.88	18.2985	1
7482_7482	7482	7482	-30.078	0.372	0.45	0.0285	-4.188	-46.296	1
7482_7483	7482	7483	-117.618	6.5655	1.152	-0.012	0.684	-53.406	1
7483_7483	7483	7483	-29.5605	-0.4695	-0.0645	-0.0135	0.732	-50.604	1
7483_7484	7483	7484	-109.04	3.426	-0.087	-0.081	-0.0255	-78.096	1
7484_7484	7484	7484	-29.541	-1.1565	-0.066	-0.018	0.264	-47.2245	1
7484_7485	7484	7485	-109.089	0.891	-0.0915	-0.0765	-0.69	-84.5205	1
7485_7485	7485	7485	-29.121	-2.067	-0.0165	-0.012	-0.186	-38.922	1
7485_7486	7485	7486	-103.854	-1.8945	0.0285	-0.084	-0.396	-57.204	1
7486_7486	7486	7486	-28.851	-2.9925	0.249	0.0075	-0.429	-9.1305	1
7486_7487	7486	7487	-100.593	-4.83	0.327	-0.0735	2.3115	-14.4375	1
7487_7487	7487	7487	-28.7835	-3.585	0.2205	-0.045	1.77	17.37	1
7487_7488	7487	7488	-100.472	-6.897	0.231	-0.108	3.6015	23.895	1
7488_7488	7488	7488	-28.9215	2.5875	-0.3705	0.4425	3.1545	37.617	1
7488_7489	7488	7489	-98.3625	14.31	0.6645	0.0435	5.7	-19.368	1
7489_7489	7489	7489	-22.5855	-1.9545	0.591	-0.453	1.5195	30.2325	1
7489_7490	7489	7490	-100.446	-14.8005	-0.504	-0.0525	3.984	19.824	1
7490_7490	7490	7490	-22.626	2.8875	-0.255	0.0285	3.1425	36.0555	1
7490_7491	7490	7491	-102.791	6.867	-0.357	0.123	1.905	-18.3465	1
7491_7491	7491	7491	-22.6815	2.4105	-0.234	0.012	1.7145	20.01	1
7491_7492	7491	7492	-102.912	4.707	-0.2595	0.066	-0.3795	-60.0615	1
7492_7492	7492	7492	-23.0715	1.716	0.0135	0.018	-0.402	-1.362	1
7492_7493	7492	7493	-106.436	1.7865	-0.054	0.0855	-1.014	-85.7985	1
7493_7493	7493	7493	-23.6145	1.0035	0.1005	0.0045	-0.273	-25.995	1
7493_7494	7493	7494	-112.022	-1.1115	0.183	0.03	0.423	-77.7855	1
7494_7494	7494	7494	-23.631	0.4545	0.0675	0.0405	0.432	-33.237	1
7494_7495	7494	7495	-111.966	-3.714	0.0315	0.126	0.621	-51.0135	1
7495_7495	7495	7495	-24.306	-0.186	-0.606	-0.0045	0.9045	-36.516	1
7495_7496	7495	7496	-120.959	-6.993	-1.1805	-0.0015	-12.18	25.344	1
7496_7496	7496	7496	-24.294	-0.7695	-0.6105	0.1395	-5.7135	-34.476	1
7496_7497	7496	7497	-120.756	-9.8925	-1.2045	0.285	-16.3755	59.8515	1
7497_7497	7497	7497	-24.3465	-0.762	-0.1815	-0.033	-8.304	-31.7925	1
7497_7184	7497	7184	-120.911	-11.6595	1.9845	-0.0705	-9.249	107.577	1
7500_7204	7500	7204	-23.1225	-0.051	0.579	0.0435	-10.9575	-49.1355	1
7500_7501	7500	7501	-118.803	9.969	-1.677	0.0825	-19.8525	17.1195	1
7501_7501	7501	7501	-23.079	-0.0375	0.618	-0.1395	-8.2575	-48.9315	1
7501_7502	7501	7502	-118.734	8.067	1.2855	-0.3585	-14.5575	-11.022	1
7502_7502	7502	7502	-23.07	-0.5925	0.6225	-0.003	-6.108	-48.798	1
7502_7503	7502	7503	-118.893	5.2155	1.3095	-0.0105	-0.2685	-67.9815	1
7503_7503	7503	7503	-21.7905	-1.194	-0.069	-0.003	0.7035	-42.336	1
7503_7504	7503	7504	-107.771	1.6425	-0.1005	-0.063	-0.96	-81.9555	1
7504_7504	7504	7504	-21.7575	-1.6995	-0.039	-0.0525	0.1935	-33.732	1
7504_7505	7504	7505	-107.783	-0.756	0.0465	-0.15	-0.672	-75.1335	1
7505_7505	7505	7505	-20.5575	-2.3685	-0.0525	-0.024	-0.0315	-21.6	1
7505_7506	7505	7506	-99.42	-3.858	0.006	-0.108	-0.609	-19.5	1
7506_7506	7506	7506	-19.461	-3.042	0.639	0.024	-0.7725	12.606	1
7506_7507	7506	7507	-92.5665	-6.975	0.0135	-0.1005	-0.6045	42.2535	1
7507_7507	7507	7507	-19.395	-3.441	0.6195	-0.1125	4.8675	39.5415	1
7507_7508	7507	7508	-92.403	-8.877	-0.0765	-0.1275	-1.047	91.584	1
7508_7508	7508	7508	-18.732	0.552	0.0405	1.4055	8.715	58.914	1
7508_7509	7508	7509	-86.85	9.573	2.265	0.8655	5.5515	64.668	1
7509_7509	7509	7509	-18.6675	-0.294	0.624	-1.446	8.8455	57.327	1
7509_7510	7509	7510	-86.6655	-8.775	2.3775	-0.9045	12.7485	91.3275	1
7510_7510	7510	7510	-19.641	2.9565	-0.2175	0.042	2.5905	48.0735	1
7510_7511	7510	7511	-86.79	7.0095	0.504	0.036	-5.0415	15.0195	1
7511_7511	7511	7511	-19.698	2.5515	-0.198	0.0435	1.3725	31.6425	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7511_7512	7511	7512	-86.9145	5.223	0.5865	0.153	0.1485	-31.224	1
7512_7512	7512	7512	-21.081	1.869	0.0105	0.0405	-0.3555	8.9025	1
7512_7513	7512	7513	-94.611	2.3115	-0.0885	0.1095	-0.975	-64.56	1
7513_7513	7513	7513	-22.578	1.206	0.072	0.0465	-0.2025	-17.9445	1
7513_7514	7513	7514	-103.914	-0.624	0.0795	0.102	-0.285	-60.0615	1
7514_7514	7514	7514	-22.6005	0.681	0.0735	0.0375	0.3225	-26.6385	1
7514_7515	7514	7515	-103.872	-3.039	0.084	0.1065	0.324	-38.1585	1
7515_7515	7515	7515	-24.186	0.0615	-0.633	0.0465	0.903	-31.4895	1
7515_7516	7515	7516	-115.965	-6.453	-1.3575	-0.0345	-14.364	32.3025	1
7516_7516	7516	7516	-24.183	-0.519	-0.522	0.042	-5.9595	-32.163	1
7516_7517	7516	7517	-115.782	-9.231	-0.834	0.459	-17.3115	64.482	1
7517_7517	7517	7517	-24.234	-0.4995	-0.9555	-0.0555	-7.9005	-30.381	1
7517_7220	7517	7220	-115.85	-11.2275	1.8165	-0.051	-10.7085	110.3955	1
7520_7240	7520	7240	-26.994	-4.968	-1.731	0.2985	-14.9985	-71.244	1
7520_7521	7520	7521	-125.129	-11.1225	-5.6115	-0.6405	-33.765	56.2695	1
7521_7521	7521	7521	-28.0485	-0.0735	1.1955	-0.252	-18.7665	-58.9335	1
7521_7522	7521	7522	-126.623	9.3255	1.956	-0.5835	-24.984	4.8165	1
7522_7522	7522	7522	-28.0365	-0.744	1.254	-0.0225	-14.6325	-58.668	1
7522_7523	7522	7523	-126.821	6.9255	2.202	0.0315	-1.0815	-52.638	1
7523_7523	7523	7523	-26.3985	-1.362	0.0105	-0.012	-0.801	-50.511	1
7523_7524	7523	7524	-116.315	3.063	-0.045	-0.003	-0.8445	-74.6595	1
7524_7524	7524	7524	-26.361	-1.974	0.063	-0.0735	-0.7485	-40.6905	1
7524_7525	7524	7525	-116.36	0.747	0.1875	-0.1215	0.351	-74.6985	1
7525_7525	7525	7525	-25.3455	-2.7855	0.0015	-0.051	-0.2055	-26.6085	1
7525_7526	7525	7526	-107.912	-2.829	-0.0735	-0.078	-0.3435	-32.4525	1
7526_7526	7526	7526	-24.699	-3.7395	1.377	-0.024	-0.027	13.614	1
7526_7527	7526	7527	-100.706	-6.585	1.5795	-0.021	14.04	25.911	1
7527_7527	7527	7527	-24.6135	-4.245	1.4475	-0.1515	12.2175	46.7085	1
7527_7528	7527	7528	-100.545	-8.6535	1.857	-0.2415	24.387	73.9815	1
7528_7528	7528	7528	-23.5995	0.99	-0.576	2.2305	20.8095	70.1085	1
7528_7529	7528	7529	-92.892	11.3385	-0.1665	2.739	24.603	42.8865	1
7529_7529	7529	7529	-23.3535	-0.357	0.72	-2.4135	19.1115	68.1765	1
7529_7530	7529	7530	-92.5005	-9.8325	1.5135	-3.0255	29.5275	81.783	1
7530_7530	7530	7530	-23.757	3.6885	0.336	-0.1035	-5.967	58.464	1
7530_7531	7530	7531	-99.423	7.7805	1.2525	-0.168	-15.729	7.7025	1
7531_7531	7531	7531	-23.8275	3.1935	0.4215	0.111	-4.155	37.956	1
7531_7532	7531	7532	-99.5595	5.7105	1.599	0.1845	-1.575	-42.912	1
7532_7532	7532	7532	-25.5	2.349	-0.0165	0.0435	-0.3645	9.5715	1
7532_7533	7532	7533	-106.761	2.511	0.009	0.072	-1.044	-75.897	1
7533_7533	7533	7533	-27.3465	1.53	0.0105	0.0855	-0.525	-24.276	1
7533_7534	7533	7534	-114.947	-1.215	-0.012	0.1365	-0.69	-67.1145	1
7534_7534	7534	7534	-27.3735	0.9045	0.072	0.0165	-0.4215	-35.3175	1
7534_7535	7534	7535	-114.888	-3.8445	0.2385	0.0045	1.08	-39.4245	1
7535_7535	7535	7535	-29.247	0.1005	-0.174	0.0735	0.201	-41.4975	1
7535_7536	7535	7536	-123.56	-7.9035	-0.57	-0.0105	-4.713	46.9305	1
7536_7536	7536	7536	-29.241	-0.594	-0.0915	-0.006	-1.6695	-42.597	1
7536_7537	7536	7537	-123.338	-10.8375	-0.2295	0.234	-5.5485	84.7215	1
7537_7537	7537	7537	-29.193	-0.6135	-0.4935	-0.3915	-1.902	-40.587	1
7537_7253	7537	7253	-123.351	-12.582	-0.1545	-0.504	-5.919	135.9795	1
7540_7275	7540	7275	-24.6345	-0.4185	-0.183	0.096	-13.0545	-63.735	1
7540_7541	7540	7541	-128.195	10.953	3.5955	0.9765	14.31	43.8525	1
7541_7541	7541	7541	-25.0125	-0.477	0.8325	-0.117	-13.272	-62.085	1
7541_7542	7541	7542	-126.297	9.8145	-1.071	0.1305	11.3955	9.309	1
7542_7542	7542	7542	-24.9915	-1.095	0.8865	0.0105	-10.3995	-60.4125	1
7542_7543	7542	7543	-126.504	6.6825	-0.807	-0.132	2.5905	-63.6345	1
7543_7543	7543	7543	-22.809	-1.56	-0.0225	-0.0015	-0.579	-48.7755	1
7543_7544	7543	7544	-117.596	2.901	-0.384	0.0375	0.5085	-78.3045	1
7544_7544	7544	7544	-22.7655	-2.097	0.0435	-0.0885	-0.7785	-37.53	1
7544_7545	7544	7545	-117.632	0.1275	-0.054	-0.195	0.0435	-79.2255	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7545_7545	7545	7545	-21.495	-2.772	0.0345	-0.069	-0.3405	-22.5435	1
7545_7546	7545	7546	-109.634	-3.7335	0.0045	-0.105	0.8325	-25.1775	1
7546_7546	7546	7546	-20.91	-3.7005	1.5465	-0.048	0.357	17.466	1
7546_7547	7546	7547	-103.457	-7.908	2.9835	0.009	27.969	45.069	1
7547_7547	7547	7547	-20.823	-4.137	1.617	-0.1875	14.124	50.226	1
7547_7548	7547	7548	-103.257	-10.077	3.3165	-0.4395	46.4505	100.998	1
7548_7548	7548	7548	-19.0185	0.351	-0.6525	2.979	23.5665	73.2195	1
7548_7549	7548	7549	-94.251	11.0085	-1.449	5.688	42.8445	66.4965	1
7549_7549	7549	7549	-18.567	0.81	1.0125	-3.3375	21.7605	74.361	1
7549_7550	7549	7550	-93.5865	-8.64	1.941	-6.2745	48.924	96.5115	1
7550_7550	7550	7550	-16.407	4.344	-1.6245	0.0615	24.504	71.4315	1
7550_7551	7550	7551	-98.1585	6.2355	2.346	-0.2865	-26.493	-27.2265	1
7551_7551	7551	7551	-16.5075	3.96	-1.581	-0.186	15.264	46.8765	1
7551_7552	7551	7552	-98.2725	3.93	2.5815	0.27	-4.7115	-60.372	1
7552_7552	7552	7552	-16.302	3.444	-0.24	-0.057	1.779	13.389	1
7552_7553	7552	7553	-102.299	-0.696	0.219	0.075	-1.206	-51.819	1
7553_7553	7553	7553	-15.7515	2.736	-0.201	-0.0195	-1.6275	-34.6665	1
7553_7554	7553	7554	-107.16	-4.731	0.2715	0.0765	1.2105	-19.9215	1
7554_7554	7554	7554	-15.816	2.337	-0.177	-0.0195	-3.0135	-53.946	1
7554_7555	7554	7555	-107.006	-7.4385	0.417	0.018	4.161	32.4345	1
7555_7555	7555	7555	-15.7515	1.725	0.4275	0.0255	-4.1295	-68.016	1
7555_7556	7555	7556	-111.759	-11.4645	0.27	-0.012	7.3155	144.3225	1
7556_7556	7556	7556	-15.792	1.284	0.435	-0.0255	0.438	-86.397	1
7556_7557	7556	7557	-111.395	-14.586	0.3195	-0.1515	8.388	194.334	1
7557_7557	7557	7557	-16.98	2.985	4.1835	0.417	1.9095	-90.549	1
7557_7288	7557	7288	-110.874	-7.272	-3.168	-0.5895	-4.413	223.9455	1
47000_7001	47000	7001	-2.193	-22.899	1.338	0.732	14.0595	223.7385	1
47001_7001	47001	7001	-0.8925	-4.8555	1.1055	0.9225	11.616	43.59	1
47001_7002	47001	7002	-2.193	-22.899	1.338	0.732	26.634	438.906	1
47002_7002	47002	7002	-0.8985	-4.9845	-0.225	1.128	22.005	89.2095	1
47002_7003	47002	7003	-2.202	-26.5425	-0.663	0.7815	18.6	760.305	1
47003_7003	47003	7003	-0.8985	-4.9845	-0.2235	1.2675	19.281	149.556	1
47003_7004	47003	7004	-2.2035	-26.5425	-0.6615	1.4865	10.5855	1081.901	1
47004_7004	47004	7004	-0.897	-4.947	0.075	0.8175	16.566	209.949	1
47004_7005	47004	7005	-2.2005	-35.061	0.0015	-0.264	10.599	1506.396	1
47005_7005	47005	7005	-0.897	-4.947	0.0765	1.2885	17.4675	269.8245	1
47005_7006	47005	7006	-2.2005	-35.061	0.0045	2.364	10.6605	1931.067	1
47006_7006	47006	7006	-0.8955	-5.043	0.2925	0.6135	18.39	329.7375	1
47006_7007	47006	7007	-2.2005	-49.2105	0.147	-1.197	12.4455	2527.025	1
47007_7007	47007	7007	-0.8955	-5.043	0.294	1.2945	21.9285	390.807	1
47007_7008	47007	7008	-2.2005	5.9895	0.1515	3.207	14.277	2454.444	1
47008_7008	47008	7008	-0.8955	-5.1585	0.321	0.3105	25.4895	451.9155	1
47008_7009	47008	7009	-2.2005	-11.2335	0.3165	-1.5225	18.1125	2590.44	1
47009_7009	47009	7009	-0.894	-5.1585	0.3225	1.206	29.3835	514.368	1
47009_7010	47009	7010	-2.199	17.655	0.321	2.9895	21.9975	2376.567	1
47010_7010	47010	7010	-0.894	-5.376	0.315	-0.012	33.2985	576.8685	1
47010_7011	47010	7011	-2.199	32.8575	0.252	-1.1565	25.041	1978.694	1
47011_7011	47011	7011	-0.894	-5.376	0.3165	1.041	37.1145	641.9955	1
47011_7012	47011	7012	-2.199	41.583	0.255	2.0865	28.128	1475.082	1
47012_7012	47012	7012	-0.894	-5.799	0.3375	-0.45	40.9455	707.1165	1
47012_7013	47012	7013	-2.1975	30.0675	0.4785	-0.7665	33.918	1110.983	1
47013_7013	47013	7013	-0.8925	-5.799	0.339	0.9015	45.033	777.336	1
47013_7014	47013	7014	-2.196	30.0675	0.4815	1.1655	39.756	746.643	1
47014_7014	47014	7014	-0.8925	-6.2955	0.339	-0.3075	49.1415	847.611	1
47014_7015	47014	7015	-2.1975	23.412	0.2175	-0.021	43.2045	375.816	1
47015_7015	47015	7015	-0.837	-6.303	0.3405	0.1695	54.5265	946.8435	1
47015_7016	47015	7016	-2.64	65.289	0.4305	0.9405	59.0265	1408.895	1
47016_7016	47016	7016	-0.6945	-7.6275	0.162	-0.81	55.503	980.8095	1
47016_7017	47016	7017	-3.5655	60.1635	-0.003	-0.8115	59.232	1042.16	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47017_7017	47017	7017	-0.507	-7.6185	0.1605	-0.198	56.862	1064.445	1
47017_7018	47017	7018	-5.463	70.194	-0.0975	0.1275	56.7315	591.027	1
47018_7018	47018	7018	-0.2475	-8.514	0.063	-1.6755	58.9755	1165.499	1
47018_7019	47018	7019	-7.4175	74.4405	0.3015	-0.342	57.1365	181.4235	1
47019_7019	47019	7019	-0.2595	1.71	-0.147	0.2355	-27.381	-442.727	1
47019_7020	47019	7020	-10.329	85.4925	0.2415	-0.681	56.5605	-379.188	1
47020_7020	47020	7020	-91.0245	-2.5335	0.6555	1.149	-80.0775	-40.152	1
47020_7021	47020	7021	-18.471	1.407	-0.651	-0.576	37.1865	200.712	1
47021_7021	47021	7021	-91.023	-2.5335	0.7095	0.9675	-73.851	-38.082	1
47021_7022	47021	7022	-18.4725	1.407	-0.6405	-0.303	32.2275	185.346	1
47022_7022	47022	7022	-91.023	-2.5335	0.8265	0.9435	-68.355	-18.4575	1
47022_7023	47022	7023	-18.4725	1.407	-0.6165	-0.066	27.4545	174.4455	1
47023_7023	47023	7023	-91.032	-3.2895	1.2555	1.2705	-61.9545	1.1625	1
47023_7024	47023	7024	-18.474	1.347	-0.4125	-0.591	24.156	163.656	1
47024_7024	47024	7024	-91.0305	-3.2895	1.356	1.302	-51.9	27.4995	1
47024_7025	47024	7025	-18.474	1.347	-0.3915	-0.4095	21.027	152.883	1
47025_7025	47025	7025	-91.0305	-3.2895	1.356	1.302	-41.055	53.799	1
47025_7026	47025	7026	-18.474	1.347	-0.3915	-0.4095	17.898	142.1085	1
47026_7026	47026	7026	-91.029	-4.2495	1.5315	1.32	-30.21	80.0925	1
47026_7027	47026	7027	-18.474	1.3545	-0.3765	-0.648	15.639	133.9725	1
47027_7027	47027	7027	-91.0305	-4.2495	1.515	1.302	-21.0135	105.6075	1
47027_7028	47027	7028	-18.474	1.3545	-0.3795	-0.672	13.3635	125.8485	1
47028_7028	47028	7028	-91.0275	-4.2495	1.683	1.542	-11.9295	131.0775	1
47028_7029	47028	7029	-18.4755	1.3545	-0.345	-0.441	11.289	117.714	1
47029_7029	47029	7029	-91.0275	-4.2495	1.683	1.542	-1.83	156.588	1
47029_7030	47029	7030	-18.4755	1.3545	-0.345	-0.441	9.2145	109.5795	1
47030_7030	47030	7030	-91.026	-4.8255	1.47	1.266	8.2695	182.0985	1
47030_7031	47030	7031	-18.4755	1.3665	-0.339	-0.678	6.507	98.655	1
47031_7031	47031	7031	-91.026	-4.8255	1.4805	1.2945	20.0145	220.665	1
47031_7032	47031	7032	-18.4755	1.3665	-0.336	-0.6645	3.816	87.7155	1
47032_7032	47032	7032	-91.0245	-4.8255	1.5945	1.617	31.869	259.278	1
47032_7033	47032	7033	-18.4755	1.3665	-0.3135	-0.555	1.308	76.779	1
47033_7033	47033	7033	-91.0245	-5.0205	1.3845	1.011	44.6265	297.8925	1
47033_7034	47033	7034	-18.48	1.3935	-0.762	-0.561	-4.5975	65.9775	1
47034_7034	47034	7034	-91.026	-5.0205	1.2675	0.579	55.35	336.798	1
47034_7035	47034	7035	-18.4785	1.3935	-0.786	-0.6465	-10.6875	55.1715	1
47035_7035	47035	7035	-91.023	-5.0205	1.4415	1.665	65.169	398.847	1
47035_7036	47035	7036	-18.48	1.3935	-0.75	-0.7305	-17.8155	46.6305	1
47036_7036	47036	7036	-18.6555	11.1015	0.0915	1.1415	39.7335	1320.723	1
47036_7037	47036	7037	-35.4285	-64.305	-0.222	1.7925	41.253	-257.136	1
47037_7037	47037	7037	-18.939	10.6095	0.108	1.008	40.83	1181.231	1
47037_7038	47037	7038	-33.726	-64.539	-0.198	0.501	38.9595	529.296	1
47038_7038	47038	7038	-19.2525	9.1335	-0.1065	0.2505	42.1725	1048.256	1
47038_7039	47038	7039	-32.4315	-67.074	0.186	0.231	42.5295	1195.421	1
47039_7039	47039	7039	-19.4715	8.6595	-0.0645	1.251	40.701	925.101	1
47039_7040	47039	7040	-30.3345	-49.0395	0.216	1.446	45.414	1486.077	1
47040_7040	47040	7040	-19.6245	7.1895	-0.1395	-0.384	39.9705	823.3185	1
47040_7041	47040	7041	-29.2575	-25.5555	-0.105	-1.221	44.562	1552.308	1
47041_7041	47041	7041	-19.6875	7.017	-0.102	0.7485	38.82	758.4045	1
47041_7042	47041	7042	-29.0715	-7.2225	-0.012	1.3695	44.6985	1646.724	1
47042_7042	47042	7042	-19.6875	6.165	-0.2385	-0.456	37.251	650.1735	1
47042_7043	47042	7043	-29.07	3.327	-0.3735	-1.239	40.257	1607.262	1
47043_7043	47043	7043	-19.689	6.165	-0.2055	0.51	34.419	576.81	1
47043_7044	47043	7044	-29.0715	32.6745	-0.324	1.4505	36.3945	1218.495	1
47044_7044	47044	7044	-19.689	5.8275	-0.153	-0.4605	31.98	503.46	1
47044_7045	47044	7045	-29.07	21.0495	-0.1245	-0.582	34.9185	967.812	1
47045_7045	47045	7045	-19.689	5.8275	-0.138	-0.129	30.153	434.0715	1
47045_7046	47045	7046	-29.0715	21.0495	-0.102	0.156	33.7065	717.402	1
47046_7046	47046	7046	-19.689	5.7	-0.1455	-0.7605	28.5075	364.749	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47046_7047	47046	7047	-29.07	14.328	-0.051	-0.852	33.1065	546.768	1
47047_7047	47047	7047	-19.689	5.7	-0.1125	-0.264	26.7795	296.8935	1
47047_7048	47047	7048	-29.07	14.328	-0.0015	0.063	33.0855	376.2195	1
47048_7048	47048	7048	-19.689	5.763	-0.138	-0.741	25.443	229.0485	1
47048_7049	47048	7049	-29.07	11.1345	-0.036	-0.684	32.6625	243.6795	1
47049_7049	47049	7049	-19.689	5.763	-0.1215	-0.6075	23.808	160.467	1
47049_7050	47049	7050	-29.07	11.1345	-0.0105	-0.48	32.529	111.1665	1
47050_7050	47050	7050	-19.6905	5.961	-0.276	-0.6765	22.3695	91.8915	1
47050_7051	47050	7051	-29.0715	10.2435	-0.177	-0.6345	29.799	-46.821	1
47051_7051	47051	7051	-19.74	5.7945	-0.243	-0.852	18.114	1.917	1
47051_7052	47051	7052	-29.157	9.999	-0.129	-0.9765	28.7325	-126.414	1
47052_7052	47052	7052	-19.8375	5.8245	-0.3765	-0.4275	16.1145	-45.8625	1
47052_7053	47052	7053	-29.3175	9.8145	-0.3105	-0.2805	25.0875	-241.842	1
47053_7053	47053	7053	-19.98	5.319	-0.333	-1.0875	11.6535	-107.978	1
47053_7054	47053	7054	-29.5575	9.066	-0.246	-1.5345	21.777	-352.679	1
47054_7054	47054	7054	-20.127	5.0805	0.072	-0.537	7.263	-178.53	1
47054_7055	47054	7055	-29.8005	8.655	-0.003	-0.513	21.8115	-461.13	1
47055_7055	47055	7055	-20.253	4.5555	0.1035	-1.134	8.1015	-242.201	1
47055_7056	47055	7056	-30.015	7.8765	0.0435	-1.812	22.263	-560.06	1
47056_7056	47056	7056	-78.528	-2.085	0.798	1.296	-71.8125	27.6375	1
47056_7057	47056	7057	-16.4055	1.1805	-0.351	-0.573	20.256	170.6325	1
47057_7057	47057	7057	-78.5265	-2.085	0.888	1.302	-64.224	43.233	1
47057_7058	47057	7058	-16.4055	1.1805	-0.3315	-0.3585	17.6805	160.6065	1
47058_7058	47058	7058	-78.525	-2.085	0.99	1.3785	-57.3375	59.3895	1
47058_7059	47058	7059	-16.4055	1.1805	-0.3105	-0.1515	15.27	151.464	1
47059_7059	47059	7059	-78.5175	-2.9715	1.089	1.4415	-49.6695	75.549	1
47059_7060	47059	7060	-16.4055	1.146	-0.147	-0.672	14.094	142.3095	1
47060_7060	47060	7060	-78.516	-2.9715	1.194	1.575	-40.9665	99.2985	1
47060_7061	47060	7061	-16.407	1.146	-0.126	-0.4815	13.0905	133.1445	1
47061_7061	47061	7061	-78.5145	-2.9715	1.2915	1.728	-31.413	123.0765	1
47061_7062	47061	7062	-16.407	1.146	-0.105	-0.3165	12.252	123.981	1
47062_7062	47062	7062	-78.5145	-4.074	1.3155	1.476	-21.078	146.8395	1
47062_7063	47062	7063	-16.407	1.158	-0.1515	-0.696	11.34	117.024	1
47063_7063	47063	7063	-78.5115	-4.074	1.446	1.761	-13.179	171.3	1
47063_7064	47063	7064	-16.407	1.158	-0.1245	-0.5025	10.59	110.0685	1
47064_7064	47064	7064	-78.5115	-4.074	1.437	1.7385	-4.497	195.759	1
47064_7065	47064	7065	-16.407	1.158	-0.126	-0.5145	9.831	103.125	1
47065_7065	47065	7065	-78.5115	-4.074	1.446	1.764	4.116	220.1775	1
47065_7066	47065	7066	-16.407	1.158	-0.1245	-0.5025	9.0825	96.168	1
47066_7066	47066	7066	-78.51	-4.812	1.338	1.6215	12.798	244.6455	1
47066_7067	47066	7067	-16.407	1.161	-0.063	-0.6225	8.577	86.8875	1
47067_7067	47067	7067	-78.51	-4.812	1.338	1.6215	23.502	283.1325	1
47067_7068	47067	7068	-16.407	1.161	-0.063	-0.6225	8.073	77.604	1
47068_7068	47068	7068	-78.51	-4.812	1.3455	1.6485	34.206	321.621	1
47068_7069	47068	7069	-16.407	1.161	-0.0615	-0.6165	7.578	68.3085	1
47069_7069	47069	7069	-78.5145	-5.115	1.314	0.9045	44.976	360.171	1
47069_7070	47069	7070	-16.41	1.185	-0.4305	-0.684	4.2465	59.136	1
47070_7070	47070	7070	-78.5115	-5.115	1.4145	1.419	55.152	399.789	1
47070_7071	47070	7071	-16.41	1.185	-0.4095	-0.609	1.0785	49.962	1
47071_7071	47071	7071	-78.5115	-5.115	1.422	1.569	66.111	445.3275	1
47071_7072	47071	7072	-16.41	1.185	-0.408	-0.6345	-2.7915	39.9495	1
47072_7072	47072	7072	-11.127	9.387	-0.1635	1.272	43.4595	1278.026	1
47072_7073	47072	7073	-29.7165	-69.7245	-0.3555	1.6875	40.0485	67.7595	1
47073_7073	47073	7073	-11.3685	9.0945	-0.153	1.1175	41.358	1160.057	1
47073_7074	47073	7074	-27.894	-70.473	-0.3375	0.699	35.8395	951.378	1
47074_7074	47074	7074	-11.6235	8.133	0.0195	0.444	39.4335	1046.048	1
47074_7075	47074	7075	-26.2755	-66.072	0.3075	0.435	41.937	1290.882	1
47075_7075	47075	7075	-11.8275	7.833	0.0405	1.089	39.651	934.332	1
47075_7076	47075	7076	-23.9985	-47.8665	0.309	1.338	45.7905	1574.777	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47076_7076	47076	7076	-11.9655	6.4245	-0.1605	0.0525	40.149	842.271	1
47076_7077	47076	7077	-23.1615	-25.1805	-0.255	-0.39	43.9035	1626.84	1
47077_7077	47077	7077	-12.0195	6.3225	-0.147	0.5895	38.8215	793.551	1
47077_7078	47077	7078	-22.9485	-4.1055	-0.258	0.975	39.7845	1663.617	1
47078_7078	47078	7078	-12.021	5.8575	-0.213	-0.234	36.768	705.144	1
47078_7079	47078	7079	-22.95	17.4375	-0.2565	-0.5715	37.848	1574.576	1
47079_7079	47079	7079	-12.021	5.8575	-0.2025	0.3045	34.3905	639.555	1
47079_7080	47079	7080	-22.95	29.781	-0.237	0.756	35.202	1241.445	1
47080_7080	47080	7080	-12.021	5.5395	-0.171	-0.465	32.1285	574.0335	1
47080_7081	47080	7081	-22.95	19.3575	-0.102	-0.6255	34.0695	1024.938	1
47081_7081	47081	7081	-12.021	5.5395	-0.159	0.0165	30.2175	512.067	1
47081_7082	47081	7082	-22.95	19.3575	-0.0795	0.3375	33.177	808.233	1
47082_7082	47082	7082	-12.021	5.382	-0.1785	-0.6285	28.4325	450.0525	1
47082_7083	47082	7083	-22.9515	12.96	-0.1245	-0.633	31.6695	652.416	1
47083_7083	47083	7083	-12.021	5.382	-0.168	-0.3075	26.2845	385.335	1
47083_7084	47083	7084	-22.9515	12.96	-0.1065	-0.0915	30.393	496.5825	1
47084_7084	47084	7084	-12.021	5.3445	-0.1635	-0.741	24.2565	320.6235	1
47084_7085	47084	7085	-22.9515	9.8055	-0.0915	-0.708	29.3685	386.8455	1
47085_7085	47085	7085	-12.0225	5.3445	-0.1545	-0.519	22.419	260.808	1
47085_7086	47085	7086	-22.9515	9.8055	-0.072	-0.378	28.563	277.206	1
47086_7086	47086	7086	-12.0225	5.394	-0.1305	-0.864	20.6985	201.051	1
47086_7087	47086	7087	-22.9515	7.908	-0.072	-0.8685	26.5515	162.5835	1
47087_7087	47087	7087	-12.0225	5.394	-0.1095	-0.6135	19.2405	140.685	1
47087_7088	47087	7088	-22.9515	7.908	-0.03	-0.5775	26.2095	74.094	1
47088_7088	47088	7088	-12.0225	5.5275	-0.3195	-0.753	18.021	80.322	1
47088_7089	47088	7089	-22.953	8.016	-0.2595	-0.777	22.7265	-33.7395	1
47089_7089	47089	7089	-12.0705	5.424	-0.297	-0.804	13.71	3.6795	1
47089_7090	47089	7090	-23.0265	8.4135	-0.2115	-1.02	22.512	-105.77	1
47090_7090	47090	7090	-12.1635	5.4345	-0.357	-0.546	11.256	-41.0475	1
47090_7091	47090	7091	-23.172	8.514	-0.3375	-0.5355	18.5475	-205.829	1
47091_7091	47091	7091	-12.2955	5.1285	-0.339	-0.948	7.0245	-102.905	1
47091_7092	47091	7092	-23.379	7.929	-0.3	-1.3815	14.52	-307.176	1
47092_7092	47092	7092	-12.438	5.025	0.036	-0.543	2.547	-170.928	1
47092_7093	47092	7093	-24.237	70.3215	0.369	-0.5985	44.2935	60.825	1
47093_7093	47093	7093	-12.5655	4.6995	0.0555	-0.993	2.946	-233.919	1
47093_7094	47093	7094	-26.061	69.666	0.399	-1.656	49.29	-814.371	1
47094_7094	47094	7094	-76.923	-2.4585	0.807	1.2855	-66.0375	-3.945	1
47094_7095	47094	7095	-17.307	-0.9165	0.315	0.4815	-1.902	56.811	1
47095_7095	47095	7095	-76.923	-2.4585	0.876	1.2675	-58.368	16.35	1
47095_7096	47095	7096	-17.307	-0.9165	0.3315	0.519	0.6645	63.2145	1
47096_7096	47096	7096	-76.9215	-2.4585	0.9795	1.3155	-51.5805	35.3925	1
47096_7097	47096	7097	-17.307	-0.9165	0.354	0.603	3.4125	70.32	1
47097_7097	47097	7097	-76.9215	-3.3045	1.0515	1.425	-43.989	54.462	1
47097_7098	47097	7098	-17.3055	-0.9075	0.0825	0.405	4.071	77.571	1
47098_7098	47098	7098	-76.9215	-3.3045	1.1505	1.53	-35.5875	80.883	1
47098_7099	47098	7099	-17.3055	-0.9075	0.105	0.504	4.911	84.8295	1
47099_7099	47099	7099	-76.92	-3.3045	1.2465	1.6635	-26.382	107.3355	1
47099_7100	47099	7100	-17.3055	-0.9075	0.126	0.6105	5.922	92.088	1
47100_7100	47100	7100	-76.92	-4.425	1.4145	1.6455	-16.407	133.8	1
47100_7101	47100	7101	-17.3055	-0.903	0.168	0.4515	6.9285	97.503	1
47101_7101	47101	7101	-76.917	-4.425	1.5465	1.9215	-7.929	160.32	1
47101_7102	47101	7102	-17.3055	-0.903	0.198	0.6195	8.1135	102.9255	1
47102_7102	47102	7102	-76.923	-4.425	1.29	1.299	1.356	186.891	1
47102_7103	47102	7103	-17.3055	-0.903	0.1395	0.276	8.9535	108.351	1
47103_7103	47103	7103	-76.92	-4.425	1.4145	1.6425	9.1035	213.4575	1
47103_7104	47103	7104	-17.3055	-0.903	0.168	0.4515	9.96	113.7645	1
47104_7104	47104	7104	-76.92	-5.1495	1.2195	1.329	17.5815	239.9745	1
47104_7105	47104	7105	-17.3055	-0.8835	0.129	0.294	10.9935	120.8325	1
47105_7105	47105	7105	-76.9185	-5.1495	1.3155	1.6815	27.342	281.184	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47105_7106	47105	7106	-17.3055	-0.8835	0.15	0.4455	12.1995	127.9005	1
47106_7106	47106	7106	-76.9185	-5.1495	1.3125	1.668	37.872	322.395	1
47106_7107	47106	7107	-17.3055	-0.8835	0.15	0.441	13.3995	134.961	1
47107_7107	47107	7107	-76.917	-5.4615	1.233	1.0605	48.3645	363.558	1
47107_7108	47107	7108	-17.3055	-0.9015	0.27	0.2415	15.4905	141.954	1
47108_7108	47108	7108	-76.917	-5.4615	1.233	1.0605	57.9225	405.9045	1
47108_7109	47108	7109	-17.3055	-0.9015	0.27	0.2415	17.5815	148.9455	1
47109_7109	47109	7109	-76.9155	-5.4615	1.3095	1.5735	67.479	452.3505	1
47109_7110	47109	7110	-17.304	-0.9015	0.2865	0.4035	20.304	158.43	1
47110_7110	47110	7110	-11.9475	-3.2655	-0.066	0.726	5.388	-224.487	1
47110_7111	47110	7111	-29.55	-68.0685	-0.4365	1.6665	48.762	76.6875	1
47111_7111	47111	7111	-11.859	-3.576	-0.0465	0.3135	4.602	-183.444	1
47111_7112	47111	7112	-27.828	-61.656	-0.4065	0.357	45.441	609.957	1
47112_7112	47112	7112	-11.754	-3.6855	0.189	0.6585	3.9945	-138.612	1
47112_7113	47112	7113	-26.565	-64.5495	0.0285	0.6675	47.0085	1253.076	1
47113_7113	47113	7113	-11.658	-3.9795	0.204	0.3465	6.51	-91.6785	1
47113_7114	47113	7114	-24.5655	-7.1805	0.192	0.3705	22.9515	-112.539	1
47114_7114	47114	7114	-11.589	-3.9705	0.1575	0.5685	8.901	-44.898	1
47114_7115	47114	7115	-24.441	-7.0335	0.03	0.822	23.1945	-54.5145	1
47115_7115	47115	7115	-11.5545	-4.071	0.165	0.48	10.2105	-11.634	1
47115_7116	47115	7116	-24.3795	-7.2435	0.0435	0.5925	23.811	47.7555	1
47116_7116	47116	7116	-11.5545	-3.912	0.06	0.4545	12.51	45.246	1
47116_7117	47116	7117	-24.3795	-7.0875	-0.054	0.4725	23.208	127.071	1
47117_7117	47117	7117	-11.5545	-3.912	0.069	0.5325	13.173	89.025	1
47117_7118	47117	7118	-24.3795	-7.0875	-0.033	0.5835	22.8465	206.3145	1
47118_7118	47118	7118	-11.5545	-3.849	0.063	0.426	13.95	132.7635	1
47118_7119	47118	7119	-24.3795	-7.98	-0.027	0.354	22.548	295.602	1
47119_7119	47119	7119	-11.5545	-3.849	0.063	0.426	14.658	175.833	1
47119_7120	47119	7120	-24.3795	-7.98	-0.027	0.354	22.251	384.906	1
47120_7120	47120	7120	-11.5545	-3.8505	0.0765	0.102	15.366	218.9025	1
47120_7121	47120	7121	-24.3795	-10.8015	-0.0405	-0.216	21.774	514.788	1
47121_7121	47121	7121	-11.5545	-3.8505	0.096	0.543	16.2885	265.1865	1
47121_7122	47121	7122	-24.3795	-10.8015	0.0015	0.6405	21.783	644.6295	1
47122_7122	47122	7122	-11.5545	-3.978	0.0675	0.0075	17.442	311.4705	1
47122_7123	47122	7123	-24.3795	-17.082	-0.0135	-0.3075	21.636	835.785	1
47123_7123	47123	7123	-11.5545	-3.978	0.078	0.3255	18.204	355.989	1
47123_7124	47123	7124	-24.3795	-17.082	0.009	0.4395	21.7335	1026.939	1
47124_7124	47124	7124	-11.5545	-4.2615	0.09	-0.42	19.083	400.5075	1
47124_7125	47124	7125	-24.3795	-27.87	0.075	-1.296	22.569	1338.833	1
47125_7125	47125	7125	-11.553	-4.2615	0.111	0.381	20.094	448.2015	1
47125_7126	47125	7126	-24.3795	-14.9475	0.1185	1.0965	23.892	1506.102	1
47126_7126	47126	7126	-11.553	-4.749	0.0825	-0.4575	21.3375	495.9	1
47126_7127	47126	7127	-24.378	11.9235	0.1545	-0.9825	25.9845	1345.017	1
47127_7127	47127	7127	-11.538	5.835	-0.351	-0.759	3.423	-70.74	1
47127_7128	47127	7128	-24.5985	26.0895	0.1875	0.546	27.5355	1123.401	1
47128_7128	47128	7128	-11.6385	5.94	-0.339	-0.4695	0.5235	-118.881	1
47128_7129	47128	7129	-25.4955	47.886	0.0045	-1.1805	26.934	712.1775	1
47129_7129	47129	7129	-11.787	5.64	-0.315	-0.876	-3.4935	-184.998	1
47129_7130	47129	7130	-27.7275	66.1725	0.018	-0.0585	27.4125	116.007	1
47130_7130	47130	7130	-11.9415	5.5635	-0.3045	-0.7305	-7.6935	-259.829	1
47130_7131	47130	7131	-29.1915	68.1465	-0.8835	-0.582	15.6915	-317.466	1
47131_7131	47131	7131	-12.12	5.1645	-0.297	-0.573	-11.5605	-329.574	1
47131_7132	47131	7132	-31.527	69.8445	-0.864	-1.269	5.334	-1044.92	1
47132_7132	47132	7132	-85.41	0.333	-0.3495	1.071	-19.218	146.1075	1
47132_7133	47132	7133	-19.7595	-0.1335	0.057	0.654	9.0585	103.4625	1
47133_7133	47133	7133	-85.41	0.333	-0.459	0.9855	-22.8195	124.251	1
47133_7134	47133	7134	-19.7595	-0.1335	0.0315	0.5145	9.297	100.233	1
47134_7134	47134	7134	-85.4085	0.333	-0.6795	0.672	-26.3775	121.668	1
47134_7135	47134	7135	-19.7595	-0.1335	-0.0195	0.2565	9.1425	101.265	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47135_7135	47135	7135	-85.407	-1.383	1.074	0.927	-31.647	119.0895	1
47135_7136	47135	7136	-19.761	-0.2145	0.111	0.3195	10.0245	102.9855	1
47136_7136	47136	7136	-85.4055	-1.383	1.1805	1.0905	-23.07	130.1415	1
47136_7137	47136	7137	-19.761	-0.2145	0.135	0.4485	11.1045	104.706	1
47137_7137	47137	7137	-85.4055	-1.383	1.1805	1.0905	-13.6215	141.207	1
47137_7138	47137	7138	-19.761	-0.2145	0.135	0.4485	12.186	106.4265	1
47138_7138	47138	7138	-85.404	-2.3655	0.7455	0.912	-4.1745	152.2665	1
47138_7139	47138	7139	-19.7595	-0.186	-0.006	0.2055	12.147	107.541	1
47139_7139	47139	7139	-85.4025	-2.3655	0.888	1.1895	0.3015	166.4565	1
47139_7140	47139	7140	-19.7595	-0.186	0.027	0.384	12.3045	108.654	1
47140_7140	47140	7140	-85.4025	-2.3655	0.888	1.1895	5.6325	180.648	1
47140_7141	47140	7141	-19.7595	-0.186	0.027	0.384	12.4635	109.767	1
47141_7141	47141	7141	-85.4025	-2.3655	0.888	1.1895	10.9635	194.8395	1
47141_7142	47141	7142	-19.7595	-0.186	0.027	0.384	12.621	110.8815	1
47142_7142	47142	7142	-85.404	-3.051	0.7095	0.8475	16.2945	209.025	1
47142_7143	47142	7143	-19.7595	-0.1815	0.0105	0.1815	12.7095	112.3305	1
47143_7143	47143	7143	-85.4025	-3.051	0.816	1.1385	21.9735	233.43	1
47143_7144	47143	7144	-19.7595	-0.1815	0.036	0.3225	12.9945	113.778	1
47144_7144	47144	7144	-85.4025	-3.051	0.816	1.1385	28.506	257.838	1
47144_7145	47144	7145	-19.7595	-0.1815	0.036	0.3225	13.281	115.227	1
47145_7145	47145	7145	-85.3995	-3.303	0.6795	0.909	35.0385	282.24	1
47145_7146	47145	7146	-19.761	-0.2145	0.1275	0.2505	14.2725	116.8845	1
47146_7146	47146	7146	-85.401	-3.303	0.5685	0.5115	40.302	307.8405	1
47146_7147	47146	7147	-19.761	-0.2145	0.102	0.1005	15.066	118.5405	1
47147_7147	47147	7147	-85.3995	-3.303	0.6705	1.035	44.7105	349.5405	1
47147_7148	47147	7148	-19.761	-0.2145	0.126	0.264	16.263	124.2975	1
47148_7148	47148	7148	-24.963	-3.9	0.003	0.57	-0.357	-345.851	1
47148_7149	47148	7149	-49.3605	-49.5795	-0.3105	1.422	32.3865	-610.898	1
47149_7149	47149	7149	-24.8535	-4.551	0.0225	0.342	-0.2865	-296.844	1
47149_7150	47149	7150	-48.057	-48.9345	-0.258	0.0705	29.3205	-39.2355	1
47150_7150	47150	7150	-24.741	9.249	-0.081	0.3885	31.833	930.3255	1
47150_7151	47150	7151	-47.1405	-52.5015	0.096	0.7635	31.0095	548.004	1
47151_7151	47151	7151	-24.969	8.616	-0.057	0.3765	30.7425	799.476	1
47151_7152	47151	7152	-45.7905	-53.6835	0.138	0.4395	32.622	1164.584	1
47152_7152	47152	7152	-25.1115	7.2615	-0.2265	0.6045	30.063	698.202	1
47152_7153	47152	7153	-45.0645	-58.887	-0.1695	1.215	30.3975	1303.478	1
47153_7153	47153	7153	-25.1715	7.05	-0.2505	-0.222	28.203	635.3865	1
47153_7154	47153	7154	-44.568	-4.0635	-0.213	-0.2805	27.4845	1354.202	1
47154_7154	47154	7154	-25.1715	6.5655	-0.153	-0.189	24.7605	538.4505	1
47154_7155	47154	7155	-44.568	-20.0745	-0.1755	-0.0345	25.548	1575.03	1
47155_7155	47155	7155	-25.1715	6.5655	-0.153	-0.189	23.0805	466.233	1
47155_7156	47155	7156	-44.568	8.7825	-0.1755	-0.0345	23.6115	1478.429	1
47156_7156	47156	7156	-25.1715	6.4005	-0.153	-0.225	21.4005	394.0155	1
47156_7157	47156	7157	-44.568	22.332	-0.0945	0.3435	22.674	1255.1	1
47157_7157	47157	7157	-25.1715	6.4005	-0.177	-0.555	19.878	330.0165	1
47157_7158	47157	7158	-44.568	33.717	-0.138	-0.912	21.291	917.9295	1
47158_7158	47158	7158	-25.1715	6.3435	-0.15	-0.4185	18.1035	266.0145	1
47158_7159	47158	7159	-44.568	23.3145	-0.0255	-0.0735	21.03	684.4455	1
47159_7159	47159	7159	-25.1715	6.3435	-0.1755	-0.621	16.605	202.518	1
47159_7160	47159	7160	-44.568	23.3145	-0.0705	-0.762	20.322	451.2915	1
47160_7160	47160	7160	-25.1715	6.4005	-0.141	-0.5475	14.856	139.086	1
47160_7161	47160	7161	-44.568	17.3745	0.042	-0.342	20.7825	260.175	1
47161_7161	47161	7161	-25.1715	6.4005	-0.165	-0.6105	13.2975	68.685	1
47161_7162	47161	7162	-44.568	17.3745	0.0015	-0.579	20.7975	69.057	1
47162_7162	47162	7162	-25.1715	6.567	-0.246	-0.519	11.4885	-1.7145	1
47162_7163	47162	7163	-44.568	14.892	-0.0525	-0.4275	20.076	-135.72	1
47163_7163	47163	7163	-25.224	6.3585	-0.222	-0.6885	8.0985	-90.534	1
47163_7164	47163	7164	-45.003	59.3625	0.186	0.2535	32.394	793.1955	1
47164_7164	47164	7164	-25.329	6.2865	-0.342	-0.3855	6.267	-142.995	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47164_7165	47164	7165	-45.765	54.642	-0.195	-0.3975	31.035	498.3345	1
47165_7165	47165	7165	-25.479	5.6475	-0.3255	-0.6735	2.22	-210.213	1
47165_7166	47165	7166	-47.127	57.264	-0.1995	-0.831	28.4115	-88.992	1
47166_7166	47166	7166	-25.629	5.211	0.0255	-0.3855	-2.0955	-285.066	1
47166_7167	47166	7167	-48.111	52.326	0.2985	-0.0975	31.926	-678.786	1
47167_7167	47167	7167	-25.7565	4.5405	0.0465	-0.618	-1.812	-350.378	1
47167_7168	47167	7168	-49.4595	51.054	0.3345	-1.47	36.051	-1320.18	1
47168_7168	47168	7168	-82.5225	2.838	-0.813	-1.1145	51.642	332.5755	1
47168_7169	47168	7169	-16.317	0.2775	-0.123	-0.243	11.9115	89.937	1
47169_7169	47169	7169	-82.524	2.838	-0.7185	-0.603	43.911	287.382	1
47169_7170	47169	7170	-16.317	0.2775	-0.1035	-0.1155	11.109	84.18	1
47170_7170	47170	7170	-82.524	2.838	-0.7185	-0.603	38.343	265.3845	1
47170_7171	47170	7171	-16.317	0.2775	-0.1035	-0.1155	10.3065	82.026	1
47171_7171	47171	7171	-82.521	2.658	-0.858	-0.8985	32.775	243.3825	1
47171_7172	47171	7172	-16.317	0.2655	-0.0675	-0.1785	9.768	79.902	1
47172_7172	47172	7172	-82.5195	2.658	-0.9615	-1.1775	25.9095	222.12	1
47172_7173	47172	7173	-16.317	0.2655	-0.087	-0.279	9.066	77.7795	1
47173_7173	47173	7173	-82.521	2.658	-0.858	-0.9255	18.2175	200.859	1
47173_7174	47173	7174	-16.317	0.2655	-0.0675	-0.1815	8.529	75.6555	1
47174_7174	47174	7174	-82.5195	2.049	-0.948	-0.9585	11.3505	179.592	1
47174_7175	47174	7175	-16.317	0.264	-0.0675	-0.2175	8.1225	74.0715	1
47175_7175	47175	7175	-82.518	2.049	-1.086	-1.2375	5.6595	167.295	1
47175_7176	47175	7176	-16.317	0.264	-0.0945	-0.3405	7.5525	72.4875	1
47176_7176	47176	7176	-82.5195	2.049	-0.948	-0.978	-0.8565	155.001	1
47176_7177	47176	7177	-16.317	0.264	-0.0675	-0.2205	7.146	70.9035	1
47177_7177	47177	7177	-82.5195	2.049	-0.948	-0.978	-6.546	142.7055	1
47177_7178	47177	7178	-16.317	0.264	-0.0675	-0.2205	6.7395	69.3195	1
47178_7178	47178	7178	-82.521	1.104	-0.75	-0.8895	-12.237	130.4025	1
47178_7179	47178	7179	-16.317	0.258	-0.054	-0.2655	6.3105	67.254	1
47179_7179	47179	7179	-82.5195	1.104	-0.8535	-1.0425	-18.2385	121.5645	1
47179_7180	47179	7180	-16.317	0.258	-0.0735	-0.3495	5.7195	65.187	1
47180_7180	47180	7180	-82.521	1.104	-0.75	-0.9015	-25.0635	112.728	1
47180_7181	47180	7181	-16.317	0.258	-0.054	-0.267	5.292	63.1215	1
47181_7181	47181	7181	-82.5285	1.032	-0.5175	-0.69	-31.0785	70.782	1
47181_7182	47181	7182	-16.317	0.2565	-0.1965	-0.2985	3.765	61.1355	1
47182_7182	47182	7182	-82.5285	1.032	-0.5175	-0.69	-35.0925	62.7825	1
47182_7183	47182	7183	-16.317	0.2565	-0.1965	-0.2985	2.238	59.151	1
47183_7183	47183	7183	-82.5285	1.032	-0.6135	-0.8625	-39.108	69.426	1
47183_7184	47183	7184	-16.3155	0.2565	-0.216	-0.405	0.1875	59.6115	1
47184_7184	47184	7184	-12.7005	-4.8855	0.0525	0.3585	-2.637	-317.162	1
47184_7185	47184	7185	-38.079	-59.0775	-0.3075	0.9585	33.2355	-580.587	1
47185_7185	47185	7185	-12.7635	8.6295	-0.1305	-0.099	33.873	922.389	1
47185_7186	47185	7186	-36.5295	-60.048	-0.3345	0.5565	29.031	172.0545	1
47186_7186	47186	7186	-13.008	7.596	-0.0405	0.9615	32.1315	814.242	1
47186_7187	47186	7187	-35.34	-67.0815	0.3075	1.314	33.042	1061.967	1
47187_7187	47187	7187	-13.194	7.269	-0.0495	-0.297	31.614	709.8885	1
47187_7188	47187	7188	-33.7515	-57.069	0.21	-0.078	35.904	1230.101	1
47188_7188	47188	7188	-13.314	6.084	-0.147	0.5535	31.008	624.4605	1
47188_7189	47188	7189	-32.805	-53.5305	-0.0675	1.212	35.205	1512.737	1
47189_7189	47189	7189	-13.3635	5.9745	-0.1605	-0.2205	29.796	571.9635	1
47189_7190	47189	7190	-32.3805	-14.1285	-0.105	-0.4635	33.855	1533.173	1
47190_7190	47190	7190	-13.3635	5.4825	-0.1515	-0.1635	27.5925	489.81	1
47190_7191	47190	7191	-32.3805	-13.335	-0.219	-0.168	31.443	1679.856	1
47191_7191	47191	7191	-13.3635	5.4825	-0.1515	-0.1635	25.9215	429.495	1
47191_7192	47191	7192	-32.3805	26.8095	-0.219	-0.168	29.031	1384.95	1
47192_7192	47192	7192	-13.3635	5.25	-0.1245	-0.378	24.252	369.1785	1
47192_7193	47192	7193	-32.382	28.191	-0.012	-0.4035	28.9155	1103.591	1
47193_7193	47193	7193	-13.3635	5.25	-0.1245	-0.3765	23.013	316.7895	1
47193_7194	47193	7194	-32.382	28.191	-0.012	-0.3975	28.8	821.955	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47194_7194	47194	7194	-13.3635	5.1675	-0.15	-0.654	21.774	264.348	1
47194_7195	47194	7195	-32.382	20.196	-0.003	-0.8595	28.764	620.205	1
47195_7195	47195	7195	-13.3635	5.1675	-0.1365	-0.441	20.28	212.73	1
47195_7196	47195	7196	-32.382	20.196	0.0285	-0.2385	29.0505	418.452	1
47196_7196	47196	7196	-13.3635	5.202	-0.1515	-0.6405	18.921	161.109	1
47196_7197	47196	7197	-32.382	15.543	0.054	-0.5865	29.6475	247.488	1
47197_7197	47197	7197	-13.3635	5.202	-0.1515	-0.6405	17.262	103.8825	1
47197_7198	47197	7198	-32.382	15.543	0.054	-0.5865	30.243	76.5195	1
47198_7198	47198	7198	-13.362	5.3445	-0.228	-0.5985	15.6045	46.6575	1
47198_7199	47198	7199	-32.382	13.5945	0.021	-0.54	30.525	-110.267	1
47199_7199	47199	7199	-13.4055	5.2365	-0.2145	-0.774	12.468	-23.811	1
47199_7200	47199	7200	-32.4915	13.332	0.0525	-0.8835	30.948	-213.062	1
47200_7200	47200	7200	-13.4895	5.274	-0.2865	-0.564	10.692	-67.008	1
47200_7201	47200	7201	-32.6835	12.5055	-0.099	-0.537	29.7945	-360.039	1
47201_7201	47201	7201	-13.6155	4.938	-0.2985	-0.7215	7.3095	-124.692	1
47201_7202	47201	7202	-33.5835	60.996	-0.1125	-1.8405	45.4185	-57.1995	1
47202_7202	47202	7202	-13.749	4.794	0.024	-0.7095	3.3315	-190.191	1
47202_7203	47202	7203	-34.7055	56.949	0.375	-0.825	49.6785	-700.859	1
47203_7203	47203	7203	-13.8675	4.4415	0.0135	-0.603	3.627	-250.278	1
47203_7204	47203	7204	-36.1485	56.0445	0.351	-1.5345	54.1005	-1404.81	1
47204_7204	47204	7204	-83.1645	-2.0745	0.87	1.2795	-64.9185	77.097	1
47204_7205	47204	7205	-15.687	0.867	-0.3735	-0.279	19.6995	116.655	1
47205_7205	47205	7205	-83.166	-2.0745	0.771	0.939	-56.6565	72.5505	1
47205_7206	47205	7206	-15.687	0.867	-0.3915	-0.303	16.6635	105.3555	1
47206_7206	47206	7206	-83.1645	-2.0745	0.8775	1.0545	-50.6835	88.6275	1
47206_7207	47206	7207	-15.687	0.867	-0.372	-0.1665	13.785	98.631	1
47207_7207	47207	7207	-83.1675	-2.709	1.245	1.401	-43.878	104.709	1
47207_7208	47207	7208	-15.687	0.8475	-0.342	-0.318	11.0445	91.8465	1
47208_7208	47208	7208	-83.1675	-2.709	1.245	1.401	-33.9195	126.378	1
47208_7209	47208	7209	-15.687	0.8475	-0.342	-0.318	8.304	85.065	1
47209_7209	47209	7209	-83.169	-2.709	1.1415	1.2165	-23.9595	148.0485	1
47209_7210	47209	7210	-15.687	0.8475	-0.3615	-0.4245	5.406	78.282	1
47210_7210	47210	7210	-83.1705	-3.4965	1.5795	1.518	-14.8335	169.7175	1
47210_7211	47210	7211	-15.6885	0.8655	-0.312	-0.3735	3.5385	73.089	1
47211_7211	47211	7211	-83.1705	-3.4965	1.5795	1.518	-5.358	190.701	1
47211_7212	47211	7212	-15.6885	0.8655	-0.312	-0.3735	1.6695	67.896	1
47212_7212	47212	7212	-83.1735	-3.4965	1.44	1.1655	4.116	211.686	1
47212_7213	47212	7213	-15.687	0.8655	-0.3375	-0.486	-0.3555	62.7015	1
47213_7213	47213	7213	-83.1705	-3.4965	1.5795	1.5525	12.759	232.668	1
47213_7214	47213	7214	-15.6885	0.8655	-0.312	-0.381	-2.223	57.5085	1
47214_7214	47214	7214	-83.1705	-3.867	1.5825	1.347	22.2345	253.6485	1
47214_7215	47214	7215	-15.6885	0.8655	-0.3045	-0.4125	-4.656	50.5875	1
47215_7215	47215	7215	-83.1705	-3.867	1.5825	1.347	34.8915	284.5815	1
47215_7216	47215	7216	-15.6885	0.8655	-0.3045	-0.4125	-7.0905	43.665	1
47216_7216	47216	7216	-83.1735	-3.867	1.4775	0.9525	47.5485	315.516	1
47216_7217	47216	7217	-15.687	0.8655	-0.324	-0.468	-9.681	36.7425	1
47217_7217	47217	7217	-83.16	-3.9585	0.5655	-0.732	59.376	346.4235	1
47217_7218	47217	7218	-15.687	0.867	-0.4485	-0.456	-13.1535	30.018	1
47218_7218	47218	7218	-83.16	-3.9585	0.5655	-0.732	63.7605	377.106	1
47218_7219	47218	7219	-15.687	0.867	-0.4485	-0.456	-16.626	23.2935	1
47219_7219	47219	7219	-83.151	-3.9585	1.3455	3.4095	68.1465	427.5765	1
47219_7220	47219	7220	-15.69	0.867	-0.3015	-0.309	-19.4865	18.7905	1
47220_7220	47220	7220	-15.6255	-5.346	-0.102	1.1955	19.0665	-255.923	1
47220_7221	47220	7221	-42.027	-45.669	-0.6255	2.901	53.9685	-748.755	1
47221_7221	47221	7221	-15.4845	-5.742	-0.054	0.141	17.856	-188.826	1
47221_7222	47221	7222	-40.887	-40.7715	-0.447	-0.9435	47.8335	-299.646	1
47222_7222	47222	7222	-15.3315	-5.97	0.18	0.7605	17.1285	-116.87	1
47222_7223	47222	7223	-40.062	-40.689	0.0975	0.7995	48.711	166.896	1
47223_7223	47223	7223	-15.18	-6.345	0.2235	0.0975	19.536	-42.564	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47223_7224	47223	7224	-39.1035	-35.277	0.1515	-0.189	48.8565	413.322	1
47224_7224	47224	7224	-15.084	-6.486	0.066	0.237	22.161	31.9605	1
47224_7225	47224	7225	-38.64	-38.247	-0.1605	-1.1235	46.413	643.434	1
47225_7225	47225	7225	-15.0315	-6.606	0.1215	0.3675	22.71	85.3905	1
47225_7226	47225	7226	-38.3475	-33.657	-0.0075	0.687	44.472	988.6755	1
47226_7226	47226	7226	-15.033	-6.7005	0.003	-0.306	24.5265	184.2855	1
47226_7227	47226	7227	-38.352	-42.045	-0.3075	-2.6805	40.9005	1477.226	1
47227_7227	47227	7227	-15.033	-6.7005	0.0555	0.6045	24.5655	262.1205	1
47227_7228	47227	7228	-38.352	-31.749	-0.174	2.451	38.877	1845.795	1
47228_7228	47228	7228	-15.033	-7.0005	-0.024	-1.017	25.2105	339.8895	1
47228_7229	47228	7229	-38.352	-10.6275	-0.201	-4.7265	36.5445	1969.142	1
47229_7229	47229	7229	-15.033	-7.0005	0.0405	0.795	24.93	421.176	1
47229_7230	47229	7230	-38.352	14.751	-0.036	3.744	36.126	1797.854	1
47230_7230	47230	7230	-15.0345	-7.5735	0.2445	-1.6245	25.401	502.407	1
47230_7231	47230	7231	-38.3535	2.3205	0.0345	-4.314	36.54	1769.439	1
47231_7231	47231	7231	-15.0345	-7.5735	0.3045	0.798	28.3545	594.1545	1
47231_7232	47231	7232	-38.3535	57.5205	0.1905	2.8995	38.85	1071.87	1
47232_7232	47232	7232	-15.027	-8.52	-0.0705	-2.2125	32.0565	685.9365	1
47232_7233	47232	7233	-38.337	49.1715	-0.8895	-2.292	36.123	921.102	1
47233_7233	47233	7233	-14.9775	-8.6085	-0.0465	-1.272	31.833	712.056	1
47233_7234	47233	7234	-38.625	48.9465	-0.8295	-1.047	31.1745	629.403	1
47234_7234	47234	7234	-14.883	-8.7705	-0.0255	-0.5505	31.557	763.362	1
47234_7235	47234	7235	-39.1575	48.522	-0.7755	-0.5085	24.6705	222.5175	1
47235_7235	47235	7235	-14.7885	-8.9295	-0.0015	0.477	31.371	836.9115	1
47235_7236	47235	7236	-39.726	53.031	-0.741	-0.06	20.808	82.092	1
47236_7236	47236	7236	-14.499	-9.873	-0.258	-1.731	31.2915	892.911	1
47236_7237	47236	7237	-40.086	48.792	-0.129	-0.165	19.437	-428.949	1
47237_7237	47237	7237	-14.316	-10.137	-0.2145	0.699	28.6665	998.862	1
47237_7238	47237	7238	-41.0415	52.2465	-0.009	-1.6005	19.4655	-825.744	1
47238_7238	47238	7238	-13.854	-14.0385	0.3645	-2.2725	26.4315	1095.051	1
47238_7239	47238	7239	-40.932	38.1735	1.1235	1.5345	30.288	-1184.84	1
47239_7239	47239	7239	-13.8345	-14.0565	0.405	1.0245	30.1365	1227.206	1
47239_7240	47239	7240	-40.977	38.1225	1.2255	-1.7235	42.834	-1583.34	1
47240_7240	47240	7240	-87.24	6.7755	-1.9245	-2.5005	65.6505	530.8305	1
47240_7241	47240	7241	-20.991	-1.5015	0.0495	0.6675	10.5315	55.2045	1
47241_7241	47241	7241	-87.246	6.7755	-1.626	-0.741	50.772	471.939	1
47241_7242	47241	7242	-20.991	-1.5015	0.1215	0.8475	11.5695	66.483	1
47242_7242	47242	7242	-87.249	6.7755	-1.4445	0.1185	36.8625	413.9715	1
47242_7243	47242	7243	-20.991	-1.5015	0.165	0.9855	12.924	78.804	1
47243_7243	47243	7243	-87.2565	5.847	-1.119	-1.3395	25.0065	358.251	1
47243_7244	47243	7244	-20.97	-1.341	-0.1875	0.4875	11.028	92.352	1
47244_7244	47244	7244	-87.2595	5.847	-0.912	-0.63	13.6635	299.0025	1
47244_7245	47244	7245	-20.9715	-1.341	-0.138	0.7065	9.7245	105.0765	1
47245_7245	47245	7245	-87.237	5.937	-1.2195	-1.056	5.001	243.4425	1
47245_7246	47245	7246	-20.9745	-1.323	0.0345	0.3855	10.0755	118.719	1
47246_7246	47246	7246	-87.24	5.937	-0.9975	-0.594	-7.611	182.055	1
47246_7247	47246	7247	-20.9745	-1.323	0.087	0.687	10.884	130.9905	1
47247_7247	47247	7247	-87.225	6.003	-1.284	-0.9375	-16.872	126.951	1
47247_7248	47247	7248	-20.9775	-1.29	0.2025	0.1515	12.7905	143.0745	1
47248_7248	47248	7248	-87.2295	6.003	-0.9285	-0.6495	-28.923	70.584	1
47248_7249	47248	7249	-20.976	-1.29	0.288	0.7335	15.7425	156.282	1
47249_7249	47249	7249	-87.2175	6.2835	-1.101	-0.603	-38.4285	9.1245	1
47249_7250	47249	7250	-20.982	-1.254	0.5715	0.093	21.453	168.7815	1
47250_7250	47250	7250	-87.2205	6.2835	-0.867	-0.7455	-49.4235	-53.637	1
47250_7251	47250	7251	-20.9805	-1.254	0.627	0.543	27.498	180.8625	1
47251_7251	47251	7251	-87.2475	12.177	0.3285	0.7635	-57.7785	-114.096	1
47251_7252	47251	7252	-20.9385	-1.3005	-0.9975	-1.6815	19.7685	190.884	1
47252_7252	47252	7252	-87.246	12.177	0.699	-0.114	-55.2315	-207.657	1
47252_7253	47252	7253	-20.943	-1.3005	-0.909	-0.8805	11.145	203.4405	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47253_7253	47253	7253	-20.394	-6.4815	-1.089	3.609	19.554	-347.346	1
47253_7254	47253	7254	-42.4005	-15.654	-1.035	4.8	31.524	-1008.62	1
47254_7254	47254	7254	-20.268	-6.492	0.621	0.975	11.88	-300.134	1
47254_7255	47254	7255	-42.291	-18.3945	0.9075	1.8645	42.3495	-794.832	1
47255_7255	47255	7255	-20.13	-6.9045	0.6675	0.0525	19.1475	-224.691	1
47255_7256	47255	7256	-41.9115	-18.51	0.984	-0.8595	51.432	-592.823	1
47256_7256	47256	7256	-19.9845	-6.936	0.063	0.9825	25.8	-155.241	1
47256_7257	47256	7257	-41.805	-24.723	-0.2835	1.5705	48.6075	-360.51	1
47257_7257	47257	7257	-19.8615	-7.2825	0.105	0.2835	26.4075	-98.502	1
47257_7258	47257	7258	-41.3715	-25.4445	-0.195	0.0285	47.2545	-196.151	1
47258_7258	47258	7258	-19.794	-7.464	0.129	-0.021	27.1605	-46.4775	1
47258_7259	47258	7259	-41.136	-25.8225	-0.1455	-0.642	46.515	-64.4895	1
47259_7259	47259	7259	-19.719	-7.5255	-0.141	0.2115	27.813	-8.421	1
47259_7260	47259	7260	-40.9005	-27.7605	-0.432	-0.264	43.155	150.936	1
47260_7260	47260	7260	-19.665	-7.6665	-0.0825	0.1665	26.7165	51.5145	1
47260_7261	47260	7261	-40.7025	-28.0515	-0.3075	-0.138	40.479	397.6125	1
47261_7261	47261	7261	-19.6665	-7.6665	-0.06	0.3	26.007	118.053	1
47261_7262	47261	7262	-40.7025	-28.0515	-0.261	0.3135	38.3715	623.5995	1
47262_7262	47262	7262	-19.6665	-7.74	-0.1695	-0.3405	25.527	179.8155	1
47262_7263	47262	7263	-40.7055	-32.814	-0.483	-1.449	32.775	1003.641	1
47263_7263	47263	7263	-19.6665	-7.74	-0.1275	0.234	23.559	269.4645	1
47263_7264	47263	7264	-40.7055	-32.814	-0.396	0.6885	28.227	1380.138	1
47264_7264	47264	7264	-19.668	-8.0565	-0.078	-1.179	22.0905	358.308	1
47264_7265	47264	7265	-40.7055	-40.8615	-0.087	-3.906	27.216	1858.832	1
47265_7265	47265	7265	-19.668	-8.0565	-0.0075	0.468	21.171	452.6685	1
47265_7266	47265	7266	-40.7055	-7.0335	0.0615	2.856	27.9165	1938.636	1
47266_7266	47266	7266	-19.6665	-8.6565	0.0795	-1.785	21.093	544.134	1
47266_7267	47266	7267	-40.7115	4.4295	-0.2895	-3.897	24.5895	1888.104	1
47267_7267	47267	7267	-19.6665	-8.6565	0.1395	0.159	22.0065	643.4415	1
47267_7268	47267	7268	-40.7115	4.4295	-0.1665	1.812	22.6575	1836.834	1
47268_7268	47268	7268	-19.6785	-9.648	-0.339	-3.3645	23.619	743.7735	1
47268_7269	47268	7269	-40.7475	50.895	-1.506	-5.772	16.6425	1633.671	1
47269_7269	47269	7269	-19.593	-9.8235	-0.291	-1.662	22.2495	783.2715	1
47269_7270	47269	7270	-41.256	62.3595	-1.392	-1.8705	3.3045	1046.001	1
47270_7270	47270	7270	-19.437	-10.1295	-0.2385	0.36	19.4355	879.195	1
47270_7271	47270	7271	-42.36	69.777	-1.335	1.4775	-11.5275	768.168	1
47271_7271	47271	7271	-19.239	-11.3355	-1.4415	-3.258	16.842	987.9975	1
47271_7272	47271	7272	-43.6965	64.1055	-2.0085	-1.6755	-36.3045	-8.385	1
47272_7272	47272	7272	-18.987	-11.763	-1.359	1.47	-0.6105	1127.16	1
47272_7273	47272	7273	-45.1305	63.1095	-1.8375	-0.897	-59.259	-795.585	1
47273_7273	47273	7273	-18.192	-16.683	4.515	-4.5375	-18.075	1274.213	1
47273_7274	47273	7274	-44.2605	43.521	8.8185	-2.958	-10.449	-1037.63	1
47274_7274	47274	7274	-17.9535	-16.926	4.56	-1.431	7.3035	1367.061	1
47274_7275	47274	7275	-44.8245	42.921	8.9145	-5.247	60.855	-1382.3	1
47275_7275	47275	7275	-94.9395	11.631	3.894	4.3935	58.8945	621.9045	1
47275_7276	47275	7276	-17.9475	-1.2045	0.0525	2.409	-6.8775	43.6485	1
47276_7276	47276	7276	-95.13	8.1345	-2.7885	-2.259	80.307	558.1485	1
47276_7277	47276	7277	-17.9445	-1.215	0.1635	0.4365	-6.222	48.561	1
47277_7277	47277	7277	-95.1345	8.1345	-2.6265	-1.0695	69.156	515.07	1
47277_7278	47277	7278	-17.9445	-1.215	0.195	0.498	-4.2495	58.875	1
47278_7278	47278	7278	-95.142	8.1345	-2.3535	0.174	42.549	432.6705	1
47278_7279	47278	7279	-17.9445	-1.215	0.246	0.6675	-1.98	70.077	1
47279_7279	47279	7279	-95.1105	7.35	-0.4485	-1.566	20.8515	357.7185	1
47279_7280	47279	7280	-17.9445	-1.4355	0.225	0.3345	0.6495	86.847	1
47280_7280	47280	7280	-95.112	7.35	-0.051	-0.4305	15.609	271.9155	1
47280_7281	47280	7281	-17.9445	-1.4355	0.3	0.696	4.305	104.3355	1
47281_7281	47281	7281	-95.133	7.7055	-0.7185	-0.5835	14.982	231.705	1
47281_7282	47281	7282	-17.952	-1.1775	-0.0495	0.075	3.699	128.262	1
47282_7282	47282	7282	-95.1345	7.7055	-0.45	-0.198	6.075	136.212	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47282_7283	47282	7283	-17.952	-1.1775	0.0015	0.438	3.7215	141.765	1
47283_7283	47283	7283	-95.175	8.8455	-2.07	-0.1695	0.918	47.907	1
47283_7284	47283	7284	-17.943	-1.2615	0.462	-0.159	8.67	155.289	1
47284_7284	47284	7284	-95.1825	8.8455	-1.6845	-0.36	-21.249	-46.7865	1
47284_7285	47284	7285	-17.9415	-1.2615	0.5355	0.4725	13.8705	167.5425	1
47285_7285	47285	7285	-95.196	13.0455	0.711	0.4395	-37.608	-132.689	1
47285_7286	47285	7286	-17.94	-1.0815	0.615	-0.5505	18.894	176.3715	1
47286_7286	47286	7286	-95.1945	13.0455	0.8745	0.0315	-31.7955	-239.277	1
47286_7287	47286	7287	-17.9385	-1.0815	0.645	-0.249	23.637	184.3155	1
47287_7287	47287	7287	-95.193	13.0455	1.086	-0.666	-25.374	-330.773	1
47287_7288	47287	7288	-17.937	-1.0815	0.6855	0.192	29.13	193.8	1
47288_7288	47288	7288	-2.3175	14.055	0.465	-1.0155	16.6125	1510.607	1
47288_7289	47288	7289	-12.7455	-73.0395	0.951	-0.3825	22.3575	886.146	1
47289_7289	47289	7289	-2.529	14.238	0.471	3.1395	23.2845	1356.141	1
47289_7290	47289	7290	-11.3955	-64.188	0.93	1.335	33.8655	1118.609	1
47290_7290	47290	7290	-2.9895	10.9185	0.2175	-1.077	28.7115	1199.175	1
47290_7291	47290	7291	-10.491	-69.867	0.237	-1.44	36.1185	1309.982	1
47291_7291	47291	7291	-3.183	10.8645	0.2205	-0.609	30.258	1118.664	1
47291_7292	47291	7292	-9.18	-62.883	0.2775	-1.0665	38.925	1487.373	1
47292_7292	47292	7292	-3.354	10.812	0.2355	3.141	32.1015	1023.35	1
47292_7293	47292	7293	-8.1765	-59.6175	0.3015	3.849	40.0575	1551.594	1
47293_7293	47293	7293	-3.495	7.335	-0.255	-1.797	33.1545	977.2845	1
47293_7294	47293	7294	-7.6395	-70.7565	-0.525	-3.501	36.129	1757.037	1
47294_7294	47294	7294	-3.5235	7.323	-0.2475	-0.207	31.3305	924.9255	1
47294_7295	47294	7295	-7.389	-63.4605	-0.4605	-0.6435	31.8915	1947.543	1
47295_7295	47295	7295	-3.5235	7.323	-0.24	1.704	29.1975	862.9245	1
47295_7296	47295	7296	-7.3905	-8.2605	-0.4425	3.7005	28.7655	2007.774	1
47296_7296	47296	7296	-3.525	6.279	-0.2865	-1.206	27.504	811.3785	1
47296_7297	47296	7297	-7.3905	-19.845	-0.3585	-3.3075	24.8295	2226.02	1
47297_7297	47297	7297	-3.5265	6.279	-0.2775	0.7485	24.3525	742.389	1
47297_7298	47297	7298	-7.3905	-19.845	-0.339	2.5545	20.9685	2452.136	1
47298_7298	47298	7298	-3.5265	5.3925	-0.2775	-1.4715	21.189	670.9185	1
47298_7299	47298	7299	-7.392	19.437	-0.294	-4.827	17.667	2234.144	1
47299_7299	47299	7299	-3.528	5.3925	-0.2655	0.756	18.069	610.3725	1
47299_7300	47299	7300	-7.3935	32.37	-0.267	3.33	14.3025	1826.117	1
47300_7300	47300	7300	-3.5295	4.767	-0.2775	-1.1295	14.727	542.4615	1
47300_7301	47300	7301	-7.3965	25.182	-0.3675	-3.036	9.8175	1519.452	1
47301_7301	47301	7301	-3.531	4.767	-0.2655	0.4425	11.349	484.374	1
47301_7302	47301	7302	-7.398	25.182	-0.3435	1.896	5.811	1226.114	1
47302_7302	47302	7302	-3.531	4.4115	-0.24	-1.083	8.253	428.8845	1
47302_7303	47302	7303	-7.3965	17.6145	-0.2475	-2.463	2.6385	1001.084	1
47303_7303	47303	7303	-3.5325	4.4115	-0.2265	0.3075	5.19	372.507	1
47303_7304	47303	7304	-7.398	17.6145	-0.2205	1.272	0.201	806.4405	1
47304_7304	47304	7304	-3.531	4.155	-0.1305	-0.9825	2.688	323.811	1
47304_7305	47304	7305	-7.398	12.6225	-0.1335	-1.9485	-1.3365	660.7605	1
47305_7305	47305	7305	-3.531	4.155	-0.1185	-0.003	1.1775	275.799	1
47305_7306	47305	7306	-7.398	12.6225	-0.1065	0.3975	-2.6475	505.911	1
47306_7306	47306	7306	-3.5295	3.9165	0.054	-0.8685	-0.27	224.841	1
47306_7307	47306	7307	-7.395	9.6495	0.1215	-1.5285	-1.2105	391.2435	1
47307_7307	47307	7307	-3.5295	3.9165	0.0675	-0.156	0.3645	178.2915	1
47307_7308	47307	7308	-7.395	9.6495	0.15	0.0375	0.588	276.03	1
47308_7308	47308	7308	-3.564	4.0275	-2.13	-0.6555	1.1715	131.55	1
47308_7309	47308	7309	-7.4385	8.6625	-2.658	-1.038	-31.314	172.1415	1
47309_7309	47309	7309	-3.573	4.0275	-2.115	-0.303	-24.3885	83.2215	1
47309_7310	47309	7310	-7.4505	8.6625	-2.6265	-0.312	-62.358	69.7725	1
47310_7310	47310	7310	-3.4965	3.816	3.6915	-0.0735	-49.3785	35.631	1
47310_7311	47310	7311	-7.3545	8.1135	4.662	0.1935	0	-38.742	1

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
7000_7000	7000	7000	1.578	75.3675	-0.0885	-0.063	0	5.472	1
7000_7001	7000	7001	-3.1635	4.8315	-0.225	-0.1365	-2.3715	-27.744	1
7001_7001	7001	7001	-53.3565	64.251	-0.1185	-0.0735	-1.2465	-412.523	1
7001_7002	7001	7002	31.488	7.6755	0.0105	0.015	0.222	239.922	1
7002_7002	7002	7002	-82.311	58.3815	0.0975	0.0105	-3.0225	-633.488	1
7002_7003	7002	7003	49.998	10.821	-0.018	-0.018	0.321	381.384	1
7003_7003	7003	7003	-112.424	47.3955	0.1095	-0.207	-2.2215	-862.628	1
7003_7004	7003	7004	68.8245	18.642	-0.027	0.102	0.1965	525.039	1
7004_7004	7004	7004	-127.614	49.785	-0.0015	0.1575	-1.1445	-978.257	1
7004_7005	7004	7005	99.5205	22.455	0.003	-0.123	0.3525	760.1355	1
7005_7005	7005	7005	-142.008	40.5045	-0.0015	-0.336	-1.416	-1087.58	1
7005_7006	7005	7006	118.959	33.6255	0.0045	0.27	0.5745	909.6855	1
7006_7006	7006	7006	-146.069	45.873	-0.0225	0.1545	-1.6785	-1118.41	1
7006_7007	7006	7007	135.4875	31.1835	0.0165	-0.1455	0.957	1036.445	1
7007_7007	7007	7007	-153.806	37.1085	-0.0255	-0.3705	-2.2275	-1177	1
7007_7008	7007	7008	140.532	40.6185	0.018	0.3435	1.416	1075.61	1
7008_7008	7008	7008	-152.667	42.831	-0.051	0.1725	-2.829	-1168.26	1
7008_7009	7008	7009	148.4805	35.3385	0.045	-0.153	2.217	1136.372	1
7009_7009	7009	7009	-155.921	34.152	-0.0525	-0.3555	-3.7185	-1192.78	1
7009_7010	7009	7010	146.8065	44.298	0.048	0.3645	3.123	1123.925	1
7010_7010	7010	7010	-150.71	39.3735	-0.0405	0.174	-4.5825	-1153.14	1
7010_7011	7010	7011	149.211	38.685	0.039	-0.1485	3.9405	1142.214	1
7011_7011	7011	7011	-149.678	30.699	-0.0405	-0.303	-5.241	-1145.15	1
7011_7012	7011	7012	142.3605	47.649	0.042	0.333	4.7775	1090.244	1
7012_7012	7012	7012	-139.953	34.8135	-0.0735	0.207	-5.8395	-1071.2	1
7012_7013	7012	7013	139.1505	42.6375	0.087	-0.18	6.129	1065.803	1
7013_7013	7013	7013	-134.816	26.301	-0.069	-0.2535	-6.645	-1031.81	1
7013_7014	7013	7014	126.525	51.771	0.0885	0.2955	7.4745	969.984	1
7014_7014	7014	7014	-111.731	25.989	-0.0765	0.0705	-7.0665	-855.965	1
7014_7015	7014	7015	101.2695	48.3585	0.054	-0.0615	8.5005	778.4355	1
7015_7015	7015	7015	-128.811	19.959	-0.0495	-0.039	-5.4345	-923.334	1
7015_7016	7015	7016	112.65	60.861	0.0465	0.045	6.3525	838.11	1
7016_7016	7016	7016	-101.535	20.385	0.0135	0.1215	-5.4105	-745.925	1
7016_7017	7016	7017	74.352	56.748	0	-0.099	6.3735	628.137	1
7017_7017	7017	7017	-71.388	11.7105	0.0075	0.0465	-4.6965	-590.304	1
7017_7018	7017	7018	31.7655	66.72	-0.0105	-0.0555	6.108	366.8055	1
7018_7018	7018	7018	-40.05	8.145	0.0135	0.1305	-4.1355	-404.678	1
7018_7019	7018	7019	2.676	71.208	0.033	-0.1125	6.1515	115.6215	1
7019_7019	7019	7019	-14.6265	2.418	0.024	0.0795	-3.183	-190.175	1
7019_7020	7019	7020	-23.937	82.164	0.0255	-0.153	6.0915	-248.415	1
7020_7020	7020	7020	0.9975	71.6145	-0.06	0.0465	-1.785	161.709	1
7020_7021	7020	7021	96.1005	11.1435	-0.0345	-0.0945	6.345	323.055	1
7021_7021	7021	7021	-28.3305	64.113	-0.057	0.0255	-1.2405	-77.7855	1
7021_7022	7021	7022	101.385	15.7635	-0.0165	-0.0435	4.314	399.3735	1
7022_7022	7022	7022	-44.6385	56.7795	-0.0645	-0.0075	-1.146	-202.826	1
7022_7023	7022	7023	102.7035	20.616	-0.0105	0.018	3.8385	439.3335	1
7023_7023	7023	7023	-56.841	55.605	0.0075	0.042	-1.149	-294.879	1
7023_7024	7023	7024	104.0295	20.946	-0.0615	-0.078	3.0225	482.307	1
7024_7024	7024	7024	-70.3005	47.9895	-0.003	-0.0195	-0.6765	-390.162	1
7024_7025	7024	7025	102.939	26.382	-0.057	-0.015	2.277	508.3815	1
7025_7025	7025	7025	-78.786	40.86	-0.0135	-0.0225	-0.363	-446.93	1
7025_7026	7025	7026	98.0745	32.598	-0.048	-0.0105	1.6665	507.2205	1
7026_7026	7026	7026	-89.097	45.6405	-0.024	0.0345	-0.291	-512.682	1
7026_7027	7026	7027	102.396	30.2415	-0.0525	-0.0675	1.173	561.636	1
7027_7027	7027	7027	-94.7535	40.1175	-0.036	0.042	-0.3135	-544.598	1
7027_7028	7027	7028	100.374	34.9665	-0.0435	-0.0825	0.831	563.661	1
7028_7028	7028	7028	-97.65	34.8855	-0.0435	-0.075	-0.4725	-555.225	1
7028_7029	7028	7029	96.642	40.1985	-0.036	0.0345	0.5835	550.287	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7029_7029	7029	7029	-98.8425	30.174	-0.0525	-0.0705	-0.729	-551.132	1
7029_7030	7029	7030	90.282	45.7335	-0.024	0.039	0.471	516.159	1
7030_7030	7030	7030	-93.273	32.5365	-0.0465	-0.0045	-1.1115	-493.875	1
7030_7031	7030	7031	79.3155	40.872	-0.018	-0.0285	0.4275	448.2795	1
7031_7031	7031	7031	-96.678	26.3175	-0.0555	-0.0165	-1.605	-491.997	1
7031_7032	7031	7032	69.936	48.012	-0.006	-0.0195	0.5925	388.332	1
7032_7032	7032	7032	-96.306	20.8905	-0.06	-0.084	-2.238	-463.328	1
7032_7033	7032	7033	55.644	55.647	0.003	0.048	0.915	290.3325	1
7033_7033	7033	7033	-93.486	20.5845	-0.018	-0.054	-2.9595	-417.662	1
7033_7034	7033	7034	42.5505	56.712	-0.0615	0.0285	0.8205	195.546	1
7034_7034	7034	7034	-90.7605	15.717	-0.039	0.0045	-3.432	-375.026	1
7034_7035	7034	7035	25.2915	64.0695	-0.0465	-0.0075	0.8955	67.9305	1
7035_7035	7035	7035	-83.4285	11.0925	-0.063	-0.108	-5.565	-296.898	1
7035_7036	7035	7036	-5.001	71.622	-0.0525	0.0375	1.365	-174.765	1
7036_7036	7036	7036	46.8075	78.9495	0.0195	-0.189	-4.35	336.225	1
7036_7037	7036	7037	19.305	5.5725	-0.012	-0.0825	0.4785	187.4775	1
7037_7037	7037	7037	26.511	67.9395	0.0225	-0.111	-4.4385	15.8655	1
7037_7038	7037	7038	25.8525	9.084	0.021	0.084	3.0645	347.3175	1
7038_7038	7038	7038	4.8855	63.393	-0.021	-0.0675	-4.452	-190.16	1
7038_7039	7038	7039	49.9065	12.7095	0.018	0.039	3.6015	508.836	1
7039_7039	7039	7039	-29.454	53.6415	-0.0195	-0.117	-4.8165	-411.162	1
7039_7040	7039	7040	71.7015	21.3465	0.0315	0.144	4.3695	633.1425	1
7040_7040	7040	7040	-61.0995	57.702	-0.0015	0.0495	-5.0115	-591.411	1
7040_7041	7040	7041	91.5045	20.904	-0.0255	-0.0675	4.464	776.6895	1
7041_7041	7041	7041	-65.1135	44.4735	-0.0045	-0.0585	-2.34	-489.621	1
7041_7042	7041	7042	90.2535	26.5335	-0.006	0.06	2.1015	646.374	1
7042_7042	7042	7042	-91.2825	48.3345	0.0105	0.0465	-2.3475	-642.408	1
7042_7043	7042	7043	108.5535	25.506	-0.0195	-0.0525	2.0505	762.5475	1
7043_7043	7043	7043	-105.801	38.6955	0.0045	-0.0825	-2.1885	-725.642	1
7043_7044	7043	7044	108.933	34.308	-0.0165	0.081	1.9575	764.337	1
7044_7044	7044	7044	-109.607	43.5405	0.0015	0.0195	-2.094	-745.679	1
7044_7045	7044	7045	116.1465	29.5905	-0.0075	-0.033	1.9665	804.0255	1
7045_7045	7045	7045	-118.148	34.056	0	-0.0465	-2.037	-796.151	1
7045_7046	7045	7046	113.6835	38.793	-0.0045	0.033	1.974	783.813	1
7046_7046	7046	7046	-116.304	39.18	-0.0075	0.0675	-2.001	-785.136	1
7046_7047	7046	7047	117.0285	33.5415	0	-0.0705	2.034	798.4995	1
7047_7047	7047	7047	-119.988	29.919	-0.0105	-0.072	-2.0295	-808.101	1
7047_7048	7047	7048	110.199	43.044	0.0045	0.069	2.133	752.472	1
7048_7048	7048	7048	-113.624	34.497	-0.0165	0.0375	-2.0685	-769.788	1
7048_7049	7048	7049	108.1665	38.0715	0.009	-0.0495	2.283	737.097	1
7049_7049	7049	7049	-113.832	25.629	-0.018	-0.03	-2.166	-768.926	1
7049_7050	7049	7050	95.235	47.7855	0.012	0.018	2.4705	657.537	1
7050_7050	7050	7050	-95.9205	26.565	-0.015	0.051	-2.1915	-653.612	1
7050_7051	7050	7051	70.7295	43.8195	-0.0015	-0.051	2.508	509.3295	1
7051_7051	7051	7051	-103.298	20.6655	-0.021	-0.06	-2.703	-753.543	1
7051_7052	7051	7052	71.7885	57.1455	0.0045	0.045	3.0375	583.5375	1
7052_7052	7052	7052	-82.398	21.3315	0.0195	0.126	-2.6835	-617.721	1
7052_7053	7052	7053	39.135	52.8615	-0.0135	-0.099	2.9145	410.4945	1
7053_7053	7053	7053	-54.1635	12.729	0.015	0.0345	-3.006	-532.766	1
7053_7054	7053	7054	1.266	63.111	-0.0225	-0.0705	3.627	210.855	1
7054_7054	7054	7054	-30.3735	8.913	0.006	0.123	-2.565	-371.778	1
7054_7055	7054	7055	-19.797	67.8045	0.0345	-0.123	3.8385	0.546	1
7055_7055	7055	7055	-25.269	4.092	0.009	-0.15	0.66	-159.164	1
7055_7056	7055	7056	-40.0515	79.125	0.0315	-0.2055	3.9675	-325.895	1
7056_7056	7056	7056	-6.6195	70.914	-0.0465	0.1065	-0.99	114.7125	1
7056_7057	7056	7057	88.005	11.1105	-0.03	-0.174	4.218	320.4	1
7057_7057	7057	7057	-35.7585	63.522	-0.051	0.0465	-0.825	-129.852	1
7057_7058	7057	7058	95.157	16.0395	-0.0195	-0.09	3.204	415.404	1
7058_7058	7058	7058	-50.8875	56.127	-0.057	-0.03	-0.8175	-260.322	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7058_7059	7058	7059	97.8855	21.114	-0.012	0.0435	2.808	466.2705	1
7059_7059	7059	7059	-61.974	55.4265	0.006	0.165	-0.9075	-354.618	1
7059_7060	7059	7060	100.32	21.456	-0.0465	-0.2265	2.2185	518.6025	1
7060_7060	7060	7060	-74.223	47.8425	-0.0015	0.0015	-0.567	-452.361	1
7060_7061	7060	7061	100.2285	26.997	-0.0435	-0.0765	1.668	550.9755	1
7061_7061	7061	7061	-81.9225	40.7595	-0.009	-0.138	-0.3435	-510.059	1
7061_7062	7061	7062	96.492	33.324	-0.0405	0.0915	1.188	553.8945	1
7062_7062	7062	7062	-91.3215	45.9165	-0.021	0.1365	-0.2835	-577.34	1
7062_7063	7062	7063	101.3295	30.741	-0.039	-0.219	0.8445	615.8445	1
7063_7063	7063	7063	-96.6	40.404	-0.0255	-0.1035	-0.3315	-610.344	1
7063_7064	7063	7064	99.8835	35.481	-0.0345	-0.0015	0.5895	620.2665	1
7064_7064	7064	7064	-99.396	35.187	-0.0345	-0.0945	-0.462	-621.378	1
7064_7065	7064	7065	96.855	40.722	-0.0255	-0.003	0.429	608.7105	1
7065_7065	7065	7065	-100.541	30.4695	-0.042	-0.114	-0.6855	-615.945	1
7065_7066	7065	7066	91.254	46.2375	-0.018	0.027	0.3645	574.428	1
7066_7066	7066	7066	-95.4315	33.0615	-0.039	-0.0735	-1.0155	-553.7	1
7066_7067	7066	7067	81.555	40.9935	-0.0045	-0.0315	0.4155	506.061	1
7067_7067	7067	7067	-98.874	26.7615	-0.0465	-0.09	-1.452	-550.437	1
7067_7068	7067	7068	73.503	48.096	0.0045	-0.0135	0.636	447.2385	1
7068_7068	7068	7068	-98.703	21.249	-0.0525	-0.114	-1.9785	-517.905	1
7068_7069	7068	7069	60.7965	55.6935	0.012	0.015	0.9855	347.5905	1
7069_7069	7069	7069	-96.1695	20.985	-0.015	0.009	-2.583	-466.811	1
7069_7070	7069	7070	49.458	56.3295	-0.0555	-0.0285	0.8625	253.0905	1
7070_7070	7070	7070	-93.468	15.9645	-0.0225	-0.1305	-2.9655	-417.873	1
7070_7071	7070	7071	34.056	63.7305	-0.048	0.0585	0.8475	122.151	1
7071_7071	7071	7071	-86.358	11.136	-0.042	-0.1425	-4.1535	-327.695	1
7071_7072	7071	7072	4.8615	71.1705	-0.0435	0.069	1.0905	-123.834	1
7072_7072	7072	7072	39.831	78.5235	0.027	-0.2295	-3.6675	292.5825	1
7072_7073	7072	7073	13.836	4.965	-0.006	-0.081	0.942	147.732	1
7073_7073	7073	7073	18.066	67.242	0.03	-0.1365	-3.5535	-44.049	1
7073_7074	7073	7074	28.281	9.036	0.0075	0.099	2.481	373.1565	1
7074_7074	7074	7074	-5.124	62.6805	-0.027	-0.0885	-3.357	-263.217	1
7074_7075	7074	7075	52.2135	12.8445	0.015	0.0525	2.892	539.9865	1
7075_7075	7075	7075	-46.0005	52.5405	-0.0165	-0.102	-2.7495	-467.529	1
7075_7076	7075	7076	81.1515	21.5625	0.021	0.1125	2.586	629.5215	1
7076_7076	7076	7076	-80.664	57.042	0.0075	0.006	-2.9145	-647.222	1
7076_7077	7076	7077	103.1085	20.754	-0.021	-0.0195	2.598	773.1015	1
7077_7077	7077	7077	-75.2445	45.3645	-0.0015	-0.12	-4.011	-637.947	1
7077_7078	7077	7078	87.687	27.0195	-0.027	0.0945	3.501	741.588	1
7078_7078	7078	7078	-95.7345	49.344	0.024	0.03	-3.9915	-779.501	1
7078_7079	7078	7079	104.112	25.8945	-0.024	-0.057	3.4905	864.3195	1
7079_7079	7079	7079	-108.294	40.2975	0.0195	-0.129	-3.6765	-865.064	1
7079_7080	7079	7080	106.707	34.3215	-0.0225	0.102	3.3645	881.25	1
7080_7080	7080	7080	-112.115	45.4875	0	0.06	-3.411	-889.247	1
7080_7081	7080	7081	115.0605	29.643	-0.0075	-0.0825	3.36	935.79	1
7081_7081	7081	7081	-119.786	36.552	-0.003	-0.1275	-3.3615	-943.557	1
7081_7082	7081	7082	115.6365	38.3355	-0.003	0.1065	3.378	932.58	1
7082_7082	7082	7082	-116.654	41.52	-0.003	0.075	-3.339	-921.947	1
7082_7083	7082	7083	118.806	32.7435	-0.006	-0.096	3.3495	948.363	1
7083_7083	7083	7083	-120.101	32.1	-0.006	-0.096	-3.3075	-950.25	1
7083_7084	7083	7084	115.161	42.219	-0.003	0.075	3.357	915.6375	1
7084_7084	7084	7084	-116.862	37.6995	-0.012	0.0915	-3.3195	-931.194	1
7084_7085	7084	7085	118.2225	37.125	0.0045	-0.1155	3.4545	933.765	1
7085_7085	7085	7085	-116.337	29.0715	-0.0135	-0.0795	-3.378	-932.076	1
7085_7086	7085	7086	110.3715	46.1115	0.0075	0.0555	3.5835	875.37	1
7086_7086	7086	7086	-108.182	33.858	-0.027	0.1935	-3.4395	-876.603	1
7086_7087	7086	7087	106.506	40.7505	0.0225	-0.198	3.8745	848.091	1
7087_7087	7087	7087	-105.672	25.4655	-0.0285	-0.132	-3.585	-858.834	1
7087_7088	7087	7088	93.969	49.8465	0.027	0.1245	4.218	759.9225	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7088_7088	7088	7088	-90.6855	27.135	-0.0255	0.141	-3.642	-745.905	1
7088_7089	7088	7089	75.747	45.69	0.0015	-0.147	4.2495	632.031	1
7089_7089	7089	7089	-95.0595	21.006	-0.027	-0.1095	-3.432	-821.558	1
7089_7090	7089	7090	72.6315	57.261	0.0105	0.096	3.9555	678.15	1
7090_7090	7090	7090	-74.982	21.612	0.018	0.1635	-3.3825	-668.151	1
7090_7091	7090	7091	41.4765	52.68	-0.0135	-0.147	3.8085	490.1985	1
7091_7091	7091	7091	-52.6455	12.5595	0.0105	0.0615	-3.609	-540.749	1
7091_7092	7091	7092	6.405	62.769	-0.021	-0.102	4.4415	258.918	1
7092_7092	7092	7092	-28.773	8.841	0.0075	0.123	-3.168	-370.2	1
7092_7093	7092	7093	-15.897	67.182	0.039	-0.132	4.6845	39.9645	1
7093_7093	7093	7093	-15.456	4.956	0	-0.114	-0.135	-162.359	1
7093_7094	7093	7094	-37.284	78.693	0.036	-0.2025	4.8345	-301.586	1
7094_7094	7094	7094	-6.8505	70.6185	-0.054	0.093	-1.176	120.084	1
7094_7095	7094	7095	86.682	11.067	-0.042	-0.1575	4.8675	324.498	1
7095_7095	7095	7095	-34.5615	63.267	-0.075	0.0525	-1.26	-131.408	1
7095_7096	7095	7096	90.93	16.0455	-0.033	-0.1065	4.698	426.9495	1
7096_7096	7096	7096	-48.4035	55.7025	-0.087	-0.036	-1.275	-265.761	1
7096_7097	7096	7097	93.0885	21.198	-0.0225	0.045	4.092	477.7245	1
7097_7097	7097	7097	-58.41	55.356	0.018	0.171	-1.443	-361.829	1
7097_7098	7097	7098	95.0805	21.375	-0.0765	-0.2385	3.174	531.4665	1
7098_7098	7098	7098	-69.696	47.6475	0.0075	0.0015	-0.8775	-463.068	1
7098_7099	7098	7099	94.6995	26.9955	-0.075	-0.0825	2.304	564.429	1
7099_7099	7099	7099	-76.6785	40.4775	-0.003	-0.15	-0.489	-522.063	1
7099_7100	7099	7100	90.8745	33.444	-0.069	0.1005	1.53	566.4645	1
7100_7100	7100	7100	-85.293	46.155	-0.027	-0.0285	-0.3465	-591.087	1
7100_7101	7100	7101	95.3145	30.5175	-0.066	-0.1095	0.9825	631.668	1
7101_7101	7101	7101	-90.261	40.5525	-0.036	-0.3075	-0.429	-626.13	1
7101_7102	7101	7102	93.894	35.2965	-0.06	0.1665	0.573	636.6465	1
7102_7102	7102	7102	-92.895	35.2455	-0.0585	0.1605	-0.6375	-638.045	1
7102_7103	7102	7103	90.9855	40.605	-0.036	-0.3	0.378	624.813	1
7103_7103	7103	7103	-94.056	30.468	-0.0675	-0.102	-1.0575	-633.204	1
7103_7104	7103	7104	85.743	46.2105	-0.0285	-0.0375	0.3075	589.896	1
7104_7104	7104	7104	-89.289	33.3825	-0.072	0.042	-1.632	-568.278	1
7104_7105	7104	7105	76.875	40.4865	-0.0015	-0.1215	0.4725	521.1705	1
7105_7105	7105	7105	-92.778	26.928	-0.078	-0.1455	-2.4495	-566.31	1
7105_7106	7105	7106	69.5475	47.667	0.009	0.0435	0.894	462.534	1
7106_7106	7106	7106	-92.826	21.303	-0.087	-0.1455	-3.366	-533.324	1
7106_7107	7106	7107	57.9015	55.3845	0.024	0.057	1.53	361.5465	1
7107_7107	7107	7107	-90.522	21.144	-0.015	-0.0585	-4.4055	-479.565	1
7107_7108	7107	7108	47.571	55.662	-0.09	0.0135	1.368	266.019	1
7108_7108	7108	7108	-88.047	15.969	-0.0345	-0.066	-4.9845	-428.501	1
7108_7109	7108	7109	33.3645	63.24	-0.075	0.015	1.392	131.67	1
7109_7109	7109	7109	-83.334	10.986	-0.045	-0.141	-5.3385	-326.726	1
7109_7110	7109	7110	5.535	70.6485	-0.0555	0.066	1.3695	-119.523	1
7110_7110	7110	7110	38.3985	77.433	0.0405	-0.2205	-5.4705	279.6795	1
7110_7111	7110	7111	13.575	3.1425	0.003	-0.084	-0.0555	119.7825	1
7111_7111	7111	7111	17.805	65.733	0.0435	-0.135	-5.34	-50.553	1
7111_7112	7111	7112	27.6105	9.348	0.0045	0.1275	3.4665	378.1545	1
7112_7112	7112	7112	-3.1785	61.2885	-0.003	-0.1305	-5.103	-255.665	1
7112_7113	7112	7113	50.583	13.116	0.0015	0.078	3.867	543.6675	1
7113_7113	7113	7113	-36.2265	51.0735	0.0015	-0.123	-4.179	-470.88	1
7113_7114	7113	7114	71.5155	22.302	0.009	0.135	3.516	662.373	1
7114_7114	7114	7114	-65.1285	55.7565	0.018	-0.0435	-4.1475	-644.528	1
7114_7115	7114	7115	90.036	21.609	-0.0315	0.0045	3.531	807.0015	1
7115_7115	7115	7115	-72.147	43.278	0.012	-0.051	-3.2955	-547.074	1
7115_7116	7115	7116	90.7665	27.6495	-0.024	0.0315	2.739	670.815	1
7116_7116	7116	7116	-91.3965	47.724	0.0285	0.0285	-3.0945	-665.798	1
7116_7117	7116	7117	105.8595	25.8555	-0.0285	-0.045	2.6175	772.032	1
7117_7117	7117	7117	-103.388	38.394	0.0255	-0.0735	-2.727	-739.136	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7117_7118	7117	7118	106.3305	34.449	-0.0285	0.06	2.394	774.8385	1
7118_7118	7118	7118	-105.875	43.9095	0.0135	-0.012	-2.397	-753.272	1
7118_7119	7118	7119	113.0715	29.262	-0.0165	-0.015	2.2695	814.7205	1
7119_7119	7119	7119	-112.97	34.6545	0.012	-0.0165	-2.196	-798.824	1
7119_7120	7119	7120	111.4665	38.127	-0.0165	-0.009	2.1225	799.9665	1
7120_7120	7120	7120	-108.242	39.8625	0.009	0.111	-2.0055	-770.931	1
7120_7121	7120	7121	113.118	32.2845	-0.015	-0.1125	1.9575	805.908	1
7121_7121	7121	7121	-110.706	30.132	0.0045	-0.0915	-1.845	-791.16	1
7121_7122	7121	7122	107.2485	42.0255	-0.012	0.0915	1.8285	764.3175	1
7122_7122	7122	7122	-105.699	36.012	0.003	0.066	-1.743	-764.502	1
7122_7123	7122	7123	108.825	36.7665	-0.009	-0.0825	1.734	772.2165	1
7123_7123	7123	7123	-104.076	27.114	0.0015	-0.0405	-1.6635	-759.753	1
7123_7124	7123	7124	98.649	46.017	-0.006	0.024	1.6695	707.0355	1
7124_7124	7124	7124	-94.2705	32.178	-0.0045	0.117	-1.611	-701.447	1
7124_7125	7124	7125	93.0135	40.533	0	-0.123	1.6905	672.9135	1
7125_7125	7125	7125	-91.215	23.631	-0.009	-0.072	-1.6095	-682.808	1
7125_7126	7125	7126	77.916	49.872	0.0045	0.0645	1.77	580.035	1
7126_7126	7126	7126	-75.201	25.608	-0.0165	0.06	-1.6035	-576.374	1
7126_7127	7126	7127	56.7195	45.501	-0.006	-0.075	1.7115	449.496	1
7127_7127	7127	7127	-84.594	19.377	-0.0165	-0.0255	-1.5855	-620.832	1
7127_7128	7127	7128	56.2515	57.165	0.003	0.0135	1.6275	462.132	1
7128_7128	7128	7128	-63.9585	20.703	0	0.0795	-1.635	-489.354	1
7128_7129	7128	7129	23.004	52.158	0.003	-0.066	1.725	284.481	1
7129_7129	7129	7129	-38.868	11.8755	-0.012	0.0075	-1.875	-410.043	1
7129_7130	7129	7130	-13.26	62.4915	0.0015	-0.03	2.1795	72.7515	1
7130_7130	7130	7130	-17.8875	7.593	0.0975	0.072	-2.0265	-255.57	1
7130_7131	7130	7131	-33.159	67.3365	-0.0705	-0.081	1.233	-144.294	1
7131_7131	7131	7131	-22.005	5.28	-0.0255	-0.0435	-1.206	-227.138	1
7131_7132	7131	7132	-49.9905	78.8025	-0.0705	-0.1125	0.327	-434.322	1
7132_7132	7132	7132	8.112	71.2095	-0.111	-0.09	1.083	227.4255	1
7132_7133	7132	7133	79.6725	8.124	0.0495	-0.0015	1.3905	223.4355	1
7133_7133	7133	7133	-27.651	62.9925	-0.1095	-0.0225	0.162	-65.607	1
7133_7134	7133	7134	89.5455	13.5375	0.0615	-0.033	1.5315	331.47	1
7134_7134	7134	7134	-44.6745	55.0485	-0.12	0.0405	-0.51	-197.99	1
7134_7135	7134	7135	93.468	18.8805	0.0825	-0.153	2.052	386.31	1
7135_7135	7135	7135	-56.9025	54.24	0.0315	0.0525	-1.2405	-293.196	1
7135_7136	7135	7136	96.7455	19.7895	-0.057	-0.0915	1.5405	440.1075	1
7136_7136	7136	7136	-70.0065	46.2315	0.027	-0.0315	-0.816	-389.982	1
7136_7137	7136	7137	97.2855	25.6395	-0.057	-0.0105	1.0275	474.7515	1
7137_7137	7137	7137	-77.739	38.811	0.018	-0.0345	-0.48	-445.595	1
7137_7138	7137	7138	93.3645	32.304	-0.0525	-0.0045	0.5715	477.5055	1
7138_7138	7138	7138	-86.8365	45.1425	-0.015	0.084	-0.276	-506.874	1
7138_7139	7138	7139	98.787	28.842	-0.024	-0.117	0.414	538.89	1
7139_7139	7139	7139	-92.412	39.315	-0.018	-0.0495	-0.345	-541.596	1
7139_7140	7139	7140	97.539	33.777	-0.0225	0.0015	0.2865	545.7165	1
7140_7140	7140	7140	-95.04	33.807	-0.024	-0.051	-0.462	-553.469	1
7140_7141	7140	7141	94.3365	39.2745	-0.0165	0.0075	0.225	535.9335	1
7141_7141	7141	7141	-95.721	28.8615	-0.0285	-0.054	-0.639	-548.61	1
7141_7142	7141	7142	88.1805	45.0945	-0.0105	0.0135	0.2295	503.37	1
7142_7142	7142	7142	-89.553	32.0745	-0.03	0.036	-0.8775	-489.771	1
7142_7143	7142	7143	78.2235	39.0975	0	-0.063	0.33	442.4625	1
7143_7143	7143	7143	-92.5035	25.4055	-0.0315	-0.06	-1.2	-487.808	1
7143_7144	7143	7144	69.414	46.5285	0.0045	0.0195	0.5295	387.831	1
7144_7144	7144	7144	-91.1055	19.581	-0.0345	-0.06	-1.5495	-454.641	1
7144_7145	7144	7145	55.1865	54.54	0.009	0.0255	0.8115	291.684	1
7145_7145	7145	7145	-86.8605	19.389	0.0135	-0.0615	-1.935	-401.172	1
7145_7146	7145	7146	42.1635	55.131	-0.06	0.0255	0.5835	199.1805	1
7146_7146	7146	7146	-82.524	14.067	-0.0015	0.0045	-2.001	-350.081	1
7146_7147	7146	7147	24.4785	62.952	-0.051	-0.0165	0.4275	70.0275	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7147_7147	7147	7147	-72.873	9.006	-0.009	-0.0765	-2.346	-260.139	1
7147_7148	7147	7148	-7.1085	70.977	-0.048	0.0105	0.273	-176.898	1
7148_7148	7148	7148	56.877	76.038	0.0225	-0.135	-2.4285	365.565	1
7148_7149	7148	7149	29.1645	3.462	-0.003	-0.0585	0.1875	190.122	1
7149_7149	7149	7149	39.0045	64.563	0.0255	-0.063	-2.2755	60.324	1
7149_7150	7149	7150	17.016	9.597	0.0105	0.051	1.698	305.835	1
7150_7150	7150	7150	21.0225	60.0375	-0.0135	-0.0735	-2.094	-126.663	1
7150_7151	7150	7151	37.056	13.458	0.009	0.036	1.875	450.969	1
7151_7151	7151	7151	-13.764	49.98	-0.009	-0.0375	-1.8645	-304.269	1
7151_7152	7151	7152	61.251	22.116	0.015	0.0375	1.833	516.5235	1
7152_7152	7152	7152	-43.9515	54.414	0.0105	-0.066	-1.911	-459.914	1
7152_7153	7152	7153	79.0905	21.339	-0.024	0.0435	1.749	634.6845	1
7153_7153	7153	7153	-45.894	42.2175	0.0075	-0.0015	-1.449	-407.223	1
7153_7154	7153	7154	72.963	27.3345	-0.0195	-0.0225	1.212	547.2195	1
7154_7154	7154	7154	-65.5425	45.9495	0.006	-0.0075	-1.308	-517.17	1
7154_7155	7154	7155	85.8255	25.857	-0.0105	-0.0075	1.1865	630.1095	1
7155_7155	7155	7155	-76.845	36.543	0.003	-0.012	-1.215	-580.449	1
7155_7156	7155	7156	83.601	34.4715	-0.0105	-0.0045	1.125	621.498	1
7156_7156	7156	7156	-81.645	41.6985	-0.0015	-0.0345	-1.1475	-607.872	1
7156_7157	7156	7157	90.429	30.372	-0.0045	0.012	1.119	660.8655	1
7157_7157	7157	7157	-87.642	33.2925	0	0.0135	-1.1325	-642.846	1
7157_7158	7157	7158	86.4465	38.568	-0.006	-0.036	1.089	637.614	1
7158_7158	7158	7158	-85.7895	38.5185	-0.0045	-0.0315	-1.11	-633.647	1
7158_7159	7158	7159	87.81	33.4665	0	0.009	1.1115	644.0085	1
7159_7159	7159	7159	-89.5425	30.3135	-0.003	0.0165	-1.1325	-655.658	1
7159_7160	7159	7160	81.534	41.835	-0.0015	-0.039	1.1235	607.3455	1
7160_7160	7160	7160	-82.3665	34.458	-0.0135	-0.0285	-1.1355	-614.469	1
7160_7161	7160	7161	76.2285	36.8655	0.006	0.0045	1.227	576.9345	1
7161_7161	7161	7161	-84.258	25.842	-0.012	0.0135	-1.245	-621.432	1
7161_7162	7161	7162	64.5885	46.1835	0.006	-0.0345	1.3455	511.6035	1
7162_7162	7162	7162	-70.9125	27.114	-0.018	0.0165	-1.2915	-536.139	1
7162_7163	7162	7163	44.1675	42.7605	0.0045	-0.024	1.4565	397.2045	1
7163_7163	7163	7163	-78.5205	21.102	-0.0225	-0.021	-1.572	-610.911	1
7163_7164	7163	7164	43.521	54.7785	0.009	0.0075	1.6965	440.352	1
7164_7164	7164	7164	-59.859	21.615	0.0165	0.03	-1.659	-491.483	1
7164_7165	7164	7165	12.147	50.793	-0.0105	-0.033	1.6245	280.4685	1
7165_7165	7165	7165	-37.539	13.038	0.0105	0.0435	-1.524	-409.272	1
7165_7166	7165	7166	-22.5465	60.627	-0.015	-0.072	1.614	92.397	1
7166_7166	7166	7166	-16.269	9.21	0.0105	0.042	-1.341	-268.305	1
7166_7167	7166	7167	-42.0465	65.5515	0.0195	-0.0495	1.7745	-98.448	1
7167_7167	7167	7167	-33.66	4.0575	0.0015	-0.0465	-0.252	-220.415	1
7167_7168	7167	7168	-60.9105	76.815	0.018	-0.1065	1.89	-401.349	1
7168_7168	7168	7168	8.8155	71.6685	-0.0375	0.024	-0.231	180.738	1
7168_7169	7168	7169	76.8	9.1605	-0.0105	-0.0705	1.869	247.3155	1
7169_7169	7169	7169	-25.0905	63.9015	-0.033	0.003	-0.27	-61.749	1
7169_7170	7169	7170	86.826	14.022	-0.003	-0.0105	1.284	335.9925	1
7170_7170	7170	7170	-44.4	56.2965	-0.036	0.0045	-0.3615	-190.631	1
7170_7171	7170	7171	91.827	19.1205	0.0045	-0.0105	1.2075	386.8815	1
7171_7171	7171	7171	-58.917	55.26	0.003	-0.024	-0.4935	-285.363	1
7171_7172	7171	7172	96.6765	19.524	-0.024	-0.0135	0.951	439.605	1
7172_7172	7172	7172	-74.3865	47.406	-0.003	0.036	-0.342	-381.947	1
7172_7173	7172	7173	98.673	25.1625	-0.018	-0.0795	0.75	474.063	1
7173_7173	7173	7173	-84.189	40.065	-0.006	-0.0435	-0.2625	-439.154	1
7173_7174	7173	7174	96.306	31.617	-0.0165	0.006	0.5745	480.2235	1
7174_7174	7174	7174	-95.235	45.255	-0.009	-0.0435	-0.2505	-502.314	1
7174_7175	7174	7175	103.131	29.094	-0.021	0	0.4215	538.8945	1
7175_7175	7175	7175	-101.582	39.5565	-0.015	0.066	-0.2685	-534.066	1
7175_7176	7175	7176	102.588	33.948	-0.0165	-0.1065	0.3225	545.022	1
7176_7176	7176	7176	-104.847	34.1595	-0.0165	-0.054	-0.348	-544.274	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7176_7177	7176	7177	100.0035	39.3345	-0.0135	0.0105	0.2565	535.458	1
7177_7177	7177	7177	-106.046	29.2935	-0.021	-0.054	-0.462	-538.712	1
7177_7178	7177	7178	94.3545	45.0225	-0.009	0.0135	0.243	504.3945	1
7178_7178	7178	7178	-99.996	31.833	-0.0135	-0.054	-0.6195	-480.347	1
7178_7179	7178	7179	83.9175	39.993	-0.006	0.0105	0.2595	441.333	1
7179_7179	7179	7179	-103.169	25.386	-0.0195	0.018	-0.7785	-474.899	1
7179_7180	7179	7180	74.9715	47.307	0	-0.0555	0.3615	384.492	1
7180_7180	7180	7180	-101.957	19.7475	-0.021	-0.0585	-1.0035	-441.162	1
7180_7181	7180	7181	60.3975	55.131	0.0015	0.0195	0.5085	288.525	1
7181_7181	7181	7181	-97.8345	19.2885	0.006	-0.0375	-1.2375	-388.992	1
7181_7182	7181	7182	46.653	56.346	-0.0375	-0.003	0.3705	193.6125	1
7182_7182	7182	7182	-93.4845	14.2125	-0.0015	-0.045	-1.3005	-338.514	1
7182_7183	7182	7183	28.1235	63.9105	-0.033	0.006	0.2715	64.9425	1
7183_7183	7183	7183	-84.6255	9.3465	-0.0135	-0.018	-1.6695	-247.874	1
7183_7184	7183	7184	-5.3895	71.541	-0.03	-0.021	0.2385	-174.695	1
7184_7184	7184	7184	56.4435	79.251	0.015	-0.1365	-1.7535	431.1975	1
7184_7185	7184	7185	19.0635	4.638	-0.0045	-0.027	0.2055	157.08	1
7185_7185	7185	7185	35.6625	68.1945	0.018	-0.057	-1.677	110.631	1
7185_7186	7185	7186	20.5845	8.31	0.0075	0.0045	1.266	261.0645	1
7186_7186	7186	7186	13.1715	63.0105	-0.0165	-0.12	-1.5195	-102.072	1
7186_7187	7186	7187	44.112	12.1545	0.012	0.078	1.467	409.2555	1
7187_7187	7187	7187	-25.3485	53.109	-0.0105	-0.0105	-1.5675	-311.543	1
7187_7188	7187	7188	69.405	20.547	0.015	-0.0135	1.572	504.396	1
7188_7188	7188	7188	-60.66	56.349	0.0015	-0.0615	-1.6485	-487.433	1
7188_7189	7188	7189	90.942	20.529	-0.0135	0.036	1.557	633.7035	1
7189_7189	7189	7189	-61.9035	44.6595	0.0015	0.0015	-1.4295	-472.932	1
7189_7190	7189	7190	83.8425	26.64	-0.012	-0.03	1.3005	597.582	1
7190_7190	7190	7190	-84.336	47.532	0.003	-0.0105	-1.3725	-603.812	1
7190_7191	7190	7191	99.891	26.07	-0.0105	-0.012	1.2735	699.6795	1
7191_7191	7191	7191	-96.7095	38.4225	0	-0.015	-1.3035	-675.867	1
7191_7192	7191	7192	100.233	34.4925	-0.0105	-0.0075	1.218	703.707	1
7192_7192	7192	7192	-102.843	42.8835	-0.0075	-0.009	-1.266	-712.026	1
7192_7193	7192	7193	108.7275	31.1805	0	-0.0135	1.2705	753.2595	1
7193_7193	7193	7193	-109.112	34.779	-0.009	-0.0135	-1.314	-749.775	1
7193_7194	7193	7194	106.1565	39.15	0.0015	-0.009	1.3305	736.2975	1
7194_7194	7194	7194	-107.861	39.273	-0.0075	0.03	-1.362	-743.276	1
7194_7195	7194	7195	108.0525	34.785	0	-0.045	1.3815	745.4445	1
7195_7195	7195	7195	-111.344	31.389	-0.0105	-0.036	-1.4055	-764.343	1
7195_7196	7195	7196	102.3105	42.897	0.003	0.0195	1.4535	709.7265	1
7196_7196	7196	7196	-104.058	34.734	-0.018	0	-1.4535	-720.546	1
7196_7197	7196	7197	96.4695	38.7105	0.009	-0.021	1.593	674.262	1
7197_7197	7197	7197	-104.87	26.466	-0.0195	-0.003	-1.584	-722.21	1
7197_7198	7197	7198	84.5745	47.7705	0.0105	-0.0165	1.767	603.891	1
7198_7198	7198	7198	-90.2535	27.1125	-0.0135	0.0255	-1.665	-627.701	1
7198_7199	7198	7199	62.436	45.2055	0.006	-0.033	1.917	473.508	1
7199_7199	7199	7199	-97.722	21.189	-0.0165	-0.0165	-1.8645	-664.044	1
7199_7200	7199	7200	62.496	56.9715	0.009	-0.003	2.1375	491.9445	1
7200_7200	7200	7200	-76.7595	20.7915	0.0105	-0.0105	-1.8645	-539.463	1
7200_7201	7200	7201	27.6915	54.3735	-0.003	-0.0225	2.124	318.1395	1
7201_7201	7201	7201	-48.714	12.6765	0.0135	0.1335	-2.412	-459.486	1
7201_7202	7201	7202	-10.554	64.173	-0.012	-0.201	3.006	119.5815	1
7202_7202	7202	7202	-25.08	8.9175	0.006	0.0315	-2.0205	-308.274	1
7202_7203	7202	7203	-31.731	69.519	0.0285	-0.1035	3.156	-88.0965	1
7203_7203	7203	7203	-18.4515	4.2135	-0.0015	-0.0435	-0.144	-155.516	1
7203_7204	7203	7204	-51.5985	80.1255	0.024	-0.2145	3.1845	-400.026	1
7204_7204	7204	7204	0.5535	72.987	-0.033	-0.0015	-0.579	155.676	1
7204_7205	7204	7205	88.3245	11.0685	-0.0315	-0.057	3.006	286.923	1
7205_7205	7205	7205	-31.377	65.8455	-0.039	0.03	-0.4185	-88.278	1
7205_7206	7205	7206	97.0725	15.666	-0.012	-0.081	2.175	385.53	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7206_7206	7206	7206	-49.4595	58.785	-0.0435	-0.0225	-0.429	-220.955	1
7206_7207	7206	7207	100.9365	20.376	-0.006	-0.0045	1.9035	435.7275	1
7207_7207	7207	7207	-63.501	57.144	-0.009	-0.033	-0.504	-322.275	1
7207_7208	7207	7208	104.553	21.015	-0.033	-0.0315	1.4745	487.0905	1
7208_7208	7208	7208	-78.306	49.731	-0.0165	-0.045	-0.363	-424.095	1
7208_7209	7208	7209	105.72	26.2905	-0.0255	-0.018	1.14	521.8335	1
7209_7209	7209	7209	-88.176	42.7155	-0.024	0.0195	-0.3285	-488.639	1
7209_7210	7209	7210	103.1985	32.295	-0.015	-0.093	0.9375	530.955	1
7210_7210	7210	7210	-99.8655	46.5	-0.0165	-0.054	-0.4425	-562.311	1
7210_7211	7210	7211	109.2975	30.792	-0.039	-0.015	0.666	592.3605	1
7211_7211	7211	7211	-105.804	41.1135	-0.024	-0.0645	-0.498	-595.545	1
7211_7212	7211	7212	108.3015	35.412	-0.0315	-0.0015	0.4785	598.8105	1
7212_7212	7212	7212	-109.022	35.9895	-0.0345	0.051	-0.639	-608.22	1
7212_7213	7212	7213	105.588	40.503	-0.021	-0.1185	0.39	590.691	1
7213_7213	7213	7213	-110.463	31.332	-0.0375	-0.081	-0.8805	-606.026	1
7213_7214	7213	7214	100.1985	45.864	-0.0165	0.0165	0.369	562.2435	1
7214_7214	7214	7214	-104.748	32.754	-0.0195	-0.0555	-1.197	-549.036	1
7214_7215	7214	7215	89.025	42.309	-0.0255	-0.0045	0.288	493.08	1
7215_7215	7215	7215	-107.649	26.7255	-0.027	-0.066	-1.4835	-544.484	1
7215_7216	7215	7216	79.773	49.2915	-0.018	0.0105	0.357	434.073	1
7216_7216	7216	7216	-106.76	21.4095	-0.0375	0.003	-1.8585	-513.747	1
7216_7217	7216	7217	65.5995	56.679	-0.009	-0.0555	0.5595	337.884	1
7217_7217	7217	7217	-103.295	20.583	-0.0045	0.12	-2.352	-465.537	1
7217_7218	7217	7218	51.9255	58.6185	-0.027	0.015	0.6795	240.48	1
7218_7218	7218	7218	-99.3435	15.855	-0.012	0.141	-2.628	-417.086	1
7218_7219	7218	7219	34.146	65.6625	-0.0255	-0.036	0.81	111.396	1
7219_7219	7219	7219	-90.576	11.202	0.0105	-0.315	-3.141	-319.266	1
7219_7220	7219	7220	1.8075	72.684	-0.0435	0.243	0.738	-125.969	1
7220_7220	7220	7220	47.598	80.277	0.024	-0.105	-3.282	301.6605	1
7220_7221	7220	7221	16.0335	5.349	0.006	-0.1305	-1.0545	114.4905	1
7221_7221	7221	7221	25.5195	70.206	0.027	-0.072	-3.1425	-13.086	1
7221_7222	7221	7222	31.6425	9.5385	0.0105	0.132	2.2125	362.2035	1
7222_7222	7222	7222	0.972	64.8825	-0.021	0.0195	-2.8305	-230.603	1
7222_7223	7222	7223	57.1605	13.401	0.0075	0	2.5515	514.6755	1
7223_7223	7223	7223	-42.4875	55.548	-0.015	-0.0645	-1.9965	-426.675	1
7223_7224	7223	7224	88.218	21.144	0.012	0.108	1.9635	598.722	1
7224_7224	7224	7224	-80.604	57.69	0.0105	0.1635	-2.124	-605.942	1
7224_7225	7224	7225	111.1365	22.032	-0.018	-0.141	1.9365	731.865	1
7225_7225	7225	7225	-71.1225	45.6945	0.003	-0.0915	-2.0445	-596.124	1
7225_7226	7225	7226	93.114	27.897	-0.0135	0.1395	1.9125	710.0265	1
7226_7226	7226	7226	-95.019	47.034	0.015	0.24	-1.929	-749.556	1
7226_7227	7226	7227	108.828	29.2755	-0.021	-0.2055	1.773	823.932	1
7227_7227	7227	7227	-105.314	38.0595	0.0075	-0.1635	-1.6815	-815.303	1
7227_7228	7227	7228	106.9935	37.7025	-0.0165	0.198	1.6395	819.114	1
7228_7228	7228	7228	-106.263	39.9045	0.006	0.3135	-1.521	-820.293	1
7228_7229	7228	7229	108.1785	36.138	-0.012	-0.2655	1.5285	830.3565	1
7229_7229	7229	7229	-109.148	31.281	-0.0015	-0.1965	-1.365	-835.823	1
7229_7230	7229	7230	99.894	44.9775	-0.0045	0.24	1.491	779.5905	1
7230_7230	7230	7230	-103.07	32.3175	-0.0135	0.291	-1.281	-790.917	1
7230_7231	7230	7231	90.7845	43.626	-0.0015	-0.228	1.4805	722.448	1
7231_7231	7231	7231	-100.931	24.1515	-0.021	-0.156	-1.3485	-767.436	1
7231_7232	7231	7232	72.9735	53.151	0.0075	0.1995	1.6035	608.958	1
7232_7232	7232	7232	-118.281	29.9445	0.03	0.3	-1.572	-875.247	1
7232_7233	7232	7233	101.394	54.2505	-0.039	-0.234	1.5435	789.351	1
7233_7233	7233	7233	-107.007	25.6815	0.0375	0.108	-2.2485	-800.427	1
7233_7234	7233	7234	79.3905	56.703	-0.057	-0.0825	2.097	664.1745	1
7234_7234	7234	7234	-93.5835	20.127	0.024	0.036	-1.953	-713.001	1
7234_7235	7234	7235	50.3295	61.461	-0.0555	-0.024	1.659	506.5755	1
7235_7235	7235	7235	-86.886	16.782	0.0135	-0.0405	-1.752	-699.02	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7235_7236	7235	7236	43.0515	68.2155	-0.0495	0.051	1.398	487.5705	1
7236_7236	7236	7236	-50.901	14.796	0.078	0.234	-2.6985	-595.698	1
7236_7237	7236	7237	-5.484	67.8015	-0.0195	-0.1425	2.0235	233.7885	1
7237_7237	7237	7237	-34.7595	10.2105	0.078	-0.0615	-1.7565	-493.115	1
7237_7238	7237	7238	-22.9545	75.975	-0.0195	0.036	1.854	63.1005	1
7238_7238	7238	7238	-20.067	19.2225	-0.1515	-0.0615	-0.8445	-354.743	1
7238_7239	7238	7239	-30.3465	64.5945	0.1665	0.0255	3.261	-48.3375	1
7239_7239	7239	7239	-10.191	13.422	-0.1365	-0.2445	-1.944	-243.66	1
7239_7240	7239	7240	-40.623	72.231	0.1785	0.078	5.016	-258.485	1
7240_7240	7240	7240	-41.397	63.4275	0.0225	0.462	-2.8965	-93.597	1
7240_7241	7240	7241	105.759	19.0215	-0.1245	-0.501	5.0565	451.467	1
7241_7241	7241	7241	-48.972	56.115	0.0135	0.207	-1.914	-177.909	1
7241_7242	7241	7242	105.5265	23.9505	-0.1215	-0.1785	3.246	473.7645	1
7242_7242	7242	7242	-59.322	49.365	0.003	0.09	-1.4055	-274.008	1
7242_7243	7242	7243	103.6365	30.2685	-0.1155	0.0285	2.106	489.4905	1
7243_7243	7243	7243	-60.633	59.178	0.0285	0.2115	-1.023	-292.539	1
7243_7244	7243	7244	103.6695	20.997	-0.0345	-0.2355	1.701	520.878	1
7244_7244	7244	7244	-81.414	50.7345	0.021	-0.0495	-0.5055	-456.29	1
7244_7245	7244	7245	105.2445	27.1515	-0.054	0.0345	1.008	571.1955	1
7245_7245	7245	7245	-91.116	46.2915	-0.0555	0.1815	-0.2595	-523.304	1
7245_7246	7245	7246	102.96	30.2625	0.024	-0.1635	1.0365	584.1165	1
7246_7246	7246	7246	-104.097	38.6055	-0.048	-0.153	-0.822	-609.207	1
7246_7247	7246	7247	102.0315	37.959	0.024	0.165	1.182	601.824	1
7247_7247	7247	7247	-108.26	36.3915	-0.0075	0.309	-1.2885	-617.325	1
7247_7248	7247	7248	98.232	40.2615	-0.0465	-0.2475	0.7665	585.0675	1
7248_7248	7248	7248	-111.027	28.9995	-0.003	-0.2295	-1.551	-604.13	1
7248_7249	7248	7249	86.439	48.105	-0.051	0.2625	0.354	497.3475	1
7249_7249	7249	7249	-112.475	25.992	-0.123	0.123	-1.9275	-576.927	1
7249_7250	7249	7250	75.1935	52.503	0.0285	-0.0825	0.861	405.5175	1
7250_7250	7250	7250	-112.331	20.2155	-0.1065	-0.1875	-3.5055	-538.994	1
7250_7251	7250	7251	58.9875	61.3005	0.0495	0.1815	1.9065	265.4775	1
7251_7251	7251	7251	-111.407	30.456	0.0645	0.3015	-4.7445	-503.013	1
7251_7252	7251	7252	59.691	51.2865	-0.045	-0.063	2.3235	251.1645	1
7252_7252	7252	7252	-111.29	23.7795	0.081	-0.1275	-4.2645	-463.518	1
7252_7253	7252	7253	45.207	57.2715	-0.0735	0.1815	1.881	112.248	1
7253_7253	7253	7253	24.042	62.709	0.087	-0.5055	-3.4545	35.604	1
7253_7254	7253	7254	17.055	24.696	-0.0885	0.1875	1.6545	302.964	1
7254_7254	7254	7254	30.354	69.093	-0.135	-0.1065	-3.1455	98.838	1
7254_7255	7254	7255	24.465	13.059	0.078	0.0465	2.7735	364.164	1
7255_7255	7255	7255	12.4875	61.527	-0.1425	-0.1185	-4.89	-128.096	1
7255_7256	7255	7256	39.807	19.6575	0.1035	0.2025	4.338	484.314	1
7256_7256	7256	7256	-1.7085	73.3755	0.0675	0.042	-6.405	-258.111	1
7256_7257	7256	7257	58.752	12.735	-0.0465	-0.057	4.482	618.3675	1
7257_7257	7257	7257	-43.029	67.6455	0.039	-0.054	-3.648	-448.62	1
7257_7258	7257	7258	91.3215	16.8735	-0.0315	0.0615	2.859	673.779	1
7258_7258	7258	7258	-71.931	63.7425	0.036	-0.069	-3.3585	-605.894	1
7258_7259	7258	7259	106.812	21.1455	-0.0345	0.102	2.82	758.205	1
7259_7259	7259	7259	-74.9955	62.919	0.021	0.1725	-3.168	-605.228	1
7259_7260	7259	7260	110.9535	19.9725	-0.018	-0.144	2.757	773.5215	1
7260_7260	7260	7260	-94.3845	55.71	0.0105	-0.006	-2.1855	-645.95	1
7260_7261	7260	7261	120.8355	24.7845	-0.0105	0.033	2.0115	765.399	1
7261_7261	7261	7261	-110.697	49.5645	0.009	-0.078	-2.0415	-741.552	1
7261_7262	7261	7262	127.338	30.582	-0.0105	0.1215	1.9905	809.334	1
7262_7262	7262	7262	-105.837	49.101	0.021	0.1275	-1.878	-718.679	1
7262_7263	7262	7263	123.441	28.503	-0.0195	-0.102	1.791	793.5045	1
7263_7263	7263	7263	-118.17	40.4955	0.018	-0.054	-1.515	-791.871	1
7263_7264	7263	7264	124.0185	36.5295	-0.018	0.0765	1.596	804.3315	1
7264_7264	7264	7264	-119.96	40.8885	0.0045	0.207	-1.188	-804.179	1
7264_7265	7264	7265	124.095	36.1965	-0.0105	-0.168	1.44	811.0215	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7265_7265	7265	7265	-124.523	32.82	-0.003	-0.114	-1.02	-829.985	1
7265_7266	7265	7266	117.7725	44.85	-0.0045	0.1485	1.356	780.78	1
7266_7266	7266	7266	-119.834	33.168	0.006	0.1905	-0.9165	-800.654	1
7266_7267	7266	7267	109.2735	44.6805	-0.018	-0.15	1.1145	737.4375	1
7267_7267	7267	7267	-116.433	25.602	-0.0015	-0.0615	-0.7425	-775.244	1
7267_7268	7267	7268	91.2105	53.3535	-0.012	0.09	0.942	639.3465	1
7268_7268	7268	7268	-131.213	29.769	0.054	0.3165	-0.735	-855.938	1
7268_7269	7268	7269	114.0795	54.7725	-0.0585	-0.249	0.69	770.9955	1
7269_7269	7269	7269	-101.564	23.4375	0.0615	0.165	-0.6135	-787.545	1
7269_7270	7269	7270	64.6365	58.053	-0.075	-0.1185	0.1785	600.381	1
7270_7270	7270	7270	-87.1995	17.436	0.048	-0.0645	0.003	-703.442	1
7270_7271	7270	7271	34.2	65.4435	-0.072	0.099	-0.6225	445.5975	1
7271_7271	7271	7271	-52.134	14.985	0.1185	0.399	0.582	-615.402	1
7271_7272	7271	7272	-8.3985	68.361	-0.1755	-0.225	-3.2205	233.1615	1
7272_7272	7272	7272	-30.261	9.6	0.0765	-0.1305	1.4775	-462.266	1
7272_7273	7272	7273	-35.1525	76.929	-0.162	0.24	-5.1465	-48.126	1
7273_7273	7273	7273	-21.741	24.7185	-0.3735	-0.0015	1.9935	-423.176	1
7273_7274	7273	7274	-22.0125	63.9495	0.732	-0.3855	-0.828	109.662	1
7274_7274	7274	7274	-14.2665	20.211	-0.288	-0.222	-0.27	-328.874	1
7274_7275	7274	7275	-33.9345	67.5285	0.711	-0.369	4.968	-71.796	1
7275_7275	7275	7275	-61.9845	53.2245	-0.213	0.063	-1.8825	-254.703	1
7275_7276	7275	7276	114.2325	31.407	0.4575	0.8565	6.963	526.5765	1
7276_7276	7276	7276	-69.21	62.163	0.0645	0.2775	-2.589	-323.619	1
7276_7277	7276	7277	118.9185	21.87	-0.195	-0.3225	5.8275	582.381	1
7277_7277	7277	7277	-52.1985	53.163	0.0285	0.111	-1.1625	-208.679	1
7277_7278	7277	7278	107.193	24.4905	-0.174	-0.1095	3.2115	498.783	1
7278_7278	7278	7278	-65.8995	45.372	0.0075	-0.0855	-0.3495	-319.86	1
7278_7279	7278	7279	105.1455	31.908	-0.1605	0.189	1.308	514.8765	1
7279_7279	7279	7279	-64.518	48.5085	-0.051	0.249	0.042	-308.243	1
7279_7280	7279	7280	98.9385	26.8275	0.051	-0.267	1.734	497.9145	1
7280_7280	7280	7280	-76.4895	38.0805	-0.036	-0.141	-0.213	-384.966	1
7280_7281	7280	7281	89.52	35.061	0.036	0.1755	1.9275	461.388	1
7281_7281	7281	7281	-75.564	38.841	-0.0225	0.27	-0.777	-433.923	1
7281_7282	7281	7282	75.2715	35.0085	-0.1455	-0.213	3.2745	480.171	1
7282_7282	7282	7282	-86.7075	30.1995	-0.0225	-0.228	-0.465	-493.416	1
7282_7283	7282	7283	67.1535	45.495	-0.132	0.2955	1.3005	414.171	1
7283_7283	7283	7283	-93.606	34.7685	-0.303	0.3885	-0.4545	-500.187	1
7283_7284	7283	7284	65.025	40.8165	0.006	-0.222	1.332	389.895	1
7284_7284	7284	7284	-104.421	27.69	-0.2895	-0.345	-4.035	-552.716	1
7284_7285	7284	7285	60.561	50.1075	0.03	0.3825	2.2095	324.252	1
7285_7285	7285	7285	-110.49	33.666	0.1725	0.396	-7.4025	-566.223	1
7285_7286	7285	7286	61.962	47.6115	-0.0855	-0.1335	2.604	308.9835	1
7286_7286	7286	7286	-117.866	28.383	0.2115	0.075	-6.3405	-603.858	1
7286_7287	7286	7287	61.2705	54.3045	-0.1245	0	2.4525	266.202	1
7287_7287	7287	7287	-120.806	23.436	0.267	-0.3135	-5.1645	-596.036	1
7287_7288	7287	7288	55.071	60.5835	-0.174	0.267	1.6065	154.3245	1
7288_7288	7288	7288	12.276	70.914	-0.225	0.0555	-2.436	30.657	1
7288_7289	7288	7289	16.2885	13.1625	0.1785	0.054	2.742	348.9555	1
7289_7289	7289	7289	-5.7675	62.127	-0.2205	-0.342	-5.5905	-298.674	1
7289_7290	7289	7290	30.504	20.5215	0.2145	0.576	5.8395	529.6365	1
7290_7290	7290	7290	-26.421	67.356	-0.057	0.2325	-8.148	-571.176	1
7290_7291	7290	7291	46.713	18.21	-0.0255	-0.1395	6.468	739.635	1
7291_7291	7291	7291	-37.788	60.4125	-0.066	0.1725	-8.655	-670.437	1
7291_7292	7291	7292	54.918	23.103	-0.009	-0.093	6.9165	806.2935	1
7292_7292	7292	7292	-71.52	56.694	-0.048	-0.4815	-6.1935	-851.25	1
7292_7293	7292	7293	79.392	29.2875	0.012	0.5925	5.1945	897.717	1
7293_7293	7293	7293	-70.629	67.0005	0.084	0.4125	-6.372	-820.181	1
7293_7294	7293	7294	82.0935	18.8055	-0.0765	-0.309	4.8585	924.741	1
7294_7294	7294	7294	-80.6295	60.0135	0.0735	0.0765	-5.727	-917.751	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7294_7295	7294	7295	88.182	23.3115	-0.0825	-0.0165	4.4145	992.8185	1
7295_7295	7295	7295	-81.8835	55.0335	0.093	-0.633	-7.806	-1164.31	1
7295_7296	7295	7296	83.43	29.427	-0.135	0.774	6.144	1180.476	1
7296_7296	7296	7296	-79.9185	57.2415	0.102	0.696	-7.2405	-1137.87	1
7296_7297	7296	7297	84.8415	25.2015	-0.0675	-0.5265	5.6415	1200.965	1
7297_7297	7297	7297	-89.643	48.627	0.1035	-0.4065	-6.0375	-1266.89	1
7297_7298	7297	7298	89.9745	32.703	-0.0705	0.522	5.052	1271.132	1
7298_7298	7298	7298	-95.247	52.944	0.066	1.1115	-4.6605	-1341.03	1
7298_7299	7298	7299	98.358	29.604	-0.072	-0.8835	4.32	1383.506	1
7299_7299	7299	7299	-99.5385	43.761	0.0585	-0.594	-3.669	-1397.57	1
7299_7300	7299	7300	99.4665	37.497	-0.066	0.771	3.483	1398.284	1
7300_7300	7300	7300	-101.928	48.54	0.081	0.981	-2.6955	-1428.59	1
7300_7301	7300	7301	106.236	33.831	-0.0915	-0.819	2.3025	1488.087	1
7301_7301	7301	7301	-106.931	40.206	0.0705	-0.6135	-1.518	-1493.85	1
7301_7302	7301	7302	107.6445	42.3225	-0.0855	0.777	1.1955	1506.45	1
7302_7302	7302	7302	-102.347	44.6925	0.039	1.0485	-0.555	-1430.49	1
7302_7303	7302	7303	108.3495	37.116	-0.0555	-0.921	0.3765	1515.405	1
7303_7303	7303	7303	-106.175	36.609	0.03	-0.7635	0.0165	-1478.09	1
7303_7304	7303	7304	109.3485	46.0245	-0.0465	0.963	-0.2235	1528.151	1
7304_7304	7304	7304	-98.9505	40.7115	0.012	0.999	0.354	-1376.79	1
7304_7305	7304	7305	108.486	40.155	-0.0285	-0.951	-0.5805	1515.948	1
7305_7305	7305	7305	-91.5435	30.756	0.003	-0.5775	0.4335	-1270.11	1
7305_7306	7305	7306	101.1195	48.4305	-0.0195	0.804	-0.8145	1416.74	1
7306_7306	7306	7306	-77.667	30.1305	-0.012	0.828	0.3765	-1074.23	1
7306_7307	7306	7307	97.0605	44.904	0.0195	-0.9105	-0.51	1360.568	1
7307_7307	7307	7307	-60.3165	19.017	-0.0105	-0.456	0.1665	-829.964	1
7307_7308	7307	7308	84.4575	54.369	0.024	0.8745	-0.156	1189.515	1
7308_7308	7308	7308	-40.488	14.3775	0.0255	0.45	0.0165	-556.049	1
7308_7309	7308	7309	68.223	55.4565	-0.123	-0.711	-1.5975	968.3475	1
7309_7309	7309	7309	-25.9455	7.6755	0.021	-0.201	0.294	-355.221	1
7309_7310	7309	7310	41.076	67.0395	-0.09	0.633	-2.2845	599.3925	1
7310_7310	7310	7310	-0.3225	3.756	0.8565	-0.0375	-11.448	27.5565	1
7310_7311	7310	7311	-4.524	76.029	0.1335	-0.0525	0	-18.33	1
7400_7020	7400	7020	30.801	1.746	1.7445	0.06	-28.0755	163.857	1
7400_7401	7400	7401	-44.2155	24.891	-4.3275	0.051	-16.173	537.8025	1
7401_7401	7401	7401	29.607	1.908	1.4895	-0.5565	-19.9575	154.161	1
7401_7402	7401	7402	-40.239	20.7405	0.6855	-0.9825	-11.7765	474.372	1
7402_7402	7402	7402	37.5075	2.718	1.686	0.108	-17.6325	162.903	1
7402_7403	7402	7403	-39.6945	19.7775	0.7275	0.2475	-3.258	259.533	1
7403_7403	7403	7403	48.651	4.1085	-0.0015	-0.1305	0.3075	144.996	1
7403_7404	7403	7404	-34.23	15.3765	0.0945	-0.129	-2.253	150.5025	1
7404_7404	7404	7404	54.3435	5.319	-0.024	-0.0675	0.222	120.885	1
7404_7405	7404	7405	-34.5795	14.5755	0.1125	0.0165	-1.4085	45.3885	1
7405_7405	7405	7405	61.5375	7.395	0.1005	-0.117	-0.3255	86.823	1
7405_7406	7405	7406	-32.3325	11.5155	0.075	-0.0435	-0.243	-124.154	1
7406_7406	7406	7406	68.424	9.852	-1.3935	-0.207	0.7905	-15.4695	1
7406_7407	7406	7407	-30.483	9.732	-0.1635	-0.0285	-1.842	-216.597	1
7407_7407	7407	7407	70.4625	11.3265	-1.386	0.0225	-11.4255	-100.166	1
7407_7408	7407	7408	-30.681	9.0915	-0.162	-0.0105	-2.748	-267.111	1
7408_7408	7408	7408	10.218	0.1665	0.4155	-0.6345	-8.2875	-39.0165	1
7408_7409	7408	7409	-34.3215	15.5775	1.2195	-0.258	-3.3135	-283.838	1
7409_7409	7409	7409	32.2185	15.2385	0.858	0.1245	-1.1055	284.1195	1
7409_7410	7409	7410	20.232	0.324	0.0555	1.0545	-12.2355	-72.36	1
7410_7410	7410	7410	30.162	8.922	-0.0465	-0.0495	1.1475	265.686	1
7410_7411	7410	7411	-76.8765	10.9035	-0.456	0.1335	2.7615	104.922	1
7411_7411	7411	7411	30.2955	9.555	-0.057	0.003	0.8775	214.413	1
7411_7412	7411	7412	-74.6625	9.3105	-0.4665	0.108	-1.068	24.8865	1
7412_7412	7412	7412	30.651	11.2275	0.0705	-0.0315	0.3165	126.582	1
7412_7413	7412	7413	-75.867	6.996	-0.036	0.108	-1.452	-73.6965	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7413_7413	7413	7413	31.8525	14.1525	0.108	-0.0765	1.491	-40.2105	1
7413_7414	7413	7414	-74.409	4.9635	0.1095	0.0495	-0.4425	-105.689	1
7414_7414	7414	7414	34.77	14.9145	0.1335	-0.021	2.343	-145.092	1
7414_7415	7414	7415	-68.1585	3.324	0.0615	0.138	0.123	-124.448	1
7415_7415	7415	7415	39.288	19.233	0.843	-0.063	3.6495	-249.521	1
7415_7416	7415	7416	-66.756	1.7145	-2.6295	-0.102	-28.29	-136.358	1
7416_7416	7416	7416	40.245	20.1885	0.9195	-0.0195	13.3035	-458.046	1
7416_7417	7416	7417	-7.137	0.3195	-0.492	0.1275	-7.134	-27.444	1
7417_7417	7417	7417	41.19	24.294	-4.365	0.054	17.742	-526.479	1
7417_7036	7417	7036	-50.388	0.375	-1.5015	-0.0735	-37.2525	-109.107	1
7420_7056	7420	7056	22.065	0.6975	1.6155	0.045	-20.1705	97.4265	1
7420_7421	7420	7421	-45.87	23.0685	-4.383	0.0435	-15.7815	464.6505	1
7421_7421	7421	7421	22.5885	0.864	1.044	-0.279	-13.41	96.003	1
7421_7422	7421	7422	-41.7615	18.8715	0.8055	-0.45	-10.5315	408.609	1
7422_7422	7422	7422	31.29	1.506	1.368	0.03	-13.206	110.5035	1
7422_7423	7422	7423	-41.178	17.8755	0.8055	0.084	-1.395	214.83	1
7423_7423	7423	7423	41.6205	2.6445	-0.093	-0.1125	1.572	106.023	1
7423_7424	7423	7424	-35.475	13.5	0.021	-0.1155	-1.2015	121.41	1
7424_7424	7424	7424	69.1305	3.747	0.168	0.1305	-0.198	86.9535	1
7424_7425	7424	7425	-32.9085	12.6645	0.0495	0.015	-0.7935	28.221	1
7425_7425	7425	7425	70.329	5.52	-0.069	0.105	1.1565	63.429	1
7425_7426	7425	7426	-32.109	9.726	0.0375	-0.033	-0.165	-115.506	1
7426_7426	7426	7426	62.4315	7.6815	-1.0845	-0.156	1.353	-2.469	1
7426_7427	7426	7427	-31.9005	8.0025	-0.1125	0.033	-1.221	-188.519	1
7427_7427	7427	7427	71.1	9.0645	0.252	0.0375	2.9265	-79.284	1
7427_7428	7427	7428	-32.058	7.35	-0.0885	-0.1005	-1.7865	-229.376	1
7428_7428	7428	7428	-18.621	0.642	0.231	0.7785	6.6225	58.0485	1
7428_7429	7428	7429	-33.414	14.055	0.7635	-0.177	-1.761	-252.72	1
7429_7429	7429	7429	33.555	14.037	0.78	0.03	-0.0975	252.741	1
7429_7430	7429	7430	17.931	0.648	-0.168	1.068	-10.7265	-54.8655	1
7430_7430	7430	7430	32.1465	7.3455	-0.0615	-0.171	1.6095	229.6245	1
7430_7431	7430	7431	-64.644	9.357	-0.6465	-0.132	4.1205	75.2865	1
7431_7431	7431	7431	31.9905	7.998	-0.102	0.0705	1.1445	188.787	1
7431_7432	7431	7432	-62.715	8.0415	-0.573	-0.1095	-0.813	6.4665	1
7432_7432	7432	7432	32.2635	9.6975	0.039	-0.033	0.1755	115.797	1
7432_7433	7432	7433	-56.193	5.754	0.1005	-0.1095	0.321	-72.42	1
7433_7433	7433	7433	33.1425	12.6	0.045	-0.0015	0.831	-27.6435	1
7433_7434	7433	7434	-49.5945	3.918	-0.144	-0.084	-0.9975	-96.843	1
7434_7434	7434	7434	35.7255	13.4445	0.0225	-0.102	1.191	-120.438	1
7434_7435	7434	7435	-41.622	2.844	-0.114	-0.1035	-1.7655	-109.851	1
7435_7435	7435	7435	41.4435	17.832	0.867	0.159	1.3485	-213.626	1
7435_7436	7435	7436	-31.8375	1.668	1.6275	0.063	15.8265	-118.152	1
7436_7436	7436	7436	42.027	18.8235	0.84	-0.714	11.2785	-407.06	1
7436_7437	7436	7437	-22.788	1.0365	1.287	-0.387	16.521	-104.274	1
7437_7437	7437	7437	46.1025	23.106	-4.239	0.0555	16.5765	-463.179	1
7437_7072	7437	7072	-22.824	0.8625	1.5075	0.0585	23.2815	-107.811	1
7440_7094	7440	7094	21.2115	0.834	1.599	0.0435	-15.4725	100.341	1
7440_7441	7440	7441	-47.046	22.7655	-4.272	0.0705	-14.64	446.2785	1
7441_7441	7441	7441	20.166	0.9945	0.6525	-0.1845	-8.16	94.572	1
7441_7442	7441	7442	-41.7165	18.465	0.783	-0.315	-9.5565	394.344	1
7442_7442	7442	7442	29.301	1.5945	0.9705	-0.0165	-9.0375	109.32	1
7442_7443	7442	7443	-41.169	17.454	0.7725	0.0195	-0.897	205.008	1
7443_7443	7443	7443	39.9255	2.6835	-0.108	-0.0825	1.4895	104.2305	1
7443_7444	7443	7444	-35.586	13.0305	0.012	-0.06	-0.7425	114.747	1
7444_7444	7444	7444	44.5125	3.687	-0.102	-0.132	0.7515	89.661	1
7444_7445	7444	7445	-33.0765	12.1845	0.0105	-0.0645	-0.6855	25.155	1
7445_7445	7445	7445	51.7995	5.364	0.117	-0.126	-0.3345	68.1675	1
7445_7446	7445	7446	-32.34	9.282	0.0405	-0.0435	-0.0195	-112.04	1
7446_7446	7446	7446	58.6515	7.4865	-0.663	-0.117	0.9795	-4.224	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7446_7447	7446	7447	-32.103	7.5615	-0.1665	0.1095	-1.5	-180.963	1
7447_7447	7447	7447	61.1415	8.6985	-0.7815	-0.168	-4.788	-66.975	1
7447_7448	7447	7448	-31.9695	6.915	-0.093	-0.246	-2.106	-220.424	1
7448_7448	7448	7448	-18.4965	0.591	0.1575	1.161	7.0755	57.594	1
7448_7449	7448	7449	-33.753	13.6875	0.7785	-0.1605	-1.2	-242.426	1
7449_7449	7449	7449	33.081	13.5855	0.8475	-0.2205	1.5495	242.334	1
7449_7450	7449	7450	13.0605	0.372	0.2415	0.7695	-4.26	-42.1815	1
7450_7450	7450	7450	31.998	6.9465	-0.162	0.0315	2.2395	219.4935	1
7450_7451	7450	7451	-63.201	9.015	-0.807	-0.054	5.985	69.204	1
7451_7451	7451	7451	31.8525	7.5885	-0.1515	-0.0585	1.371	180.8745	1
7451_7452	7451	7452	-61.2135	7.761	-0.8475	-0.1995	-1.3695	3.3885	1
7452_7452	7452	7452	31.968	9.2835	0.042	-0.0435	-0.0525	111.642	1
7452_7453	7452	7453	-54.3015	5.5545	0.15	-0.135	0.4335	-71.619	1
7453_7453	7453	7453	32.5155	12.1575	0.0225	-0.0345	0.618	-25.734	1
7453_7454	7453	7454	-46.722	3.7965	-0.138	-0.1185	-0.9165	-93.699	1
7454_7454	7454	7454	34.8465	12.981	0.0105	-0.0915	0.792	-115.254	1
7454_7455	7454	7455	-42.3195	2.739	-0.1215	-0.114	-1.749	-108.918	1
7455_7455	7455	7455	40.155	17.3865	0.7395	0.072	0.918	-205.238	1
7455_7456	7455	7456	-31.9755	1.5705	1.191	0.0015	11.127	-114.407	1
7456_7456	7456	7456	40.6965	18.3285	0.7275	-0.4785	9.2745	-393.938	1
7456_7457	7456	7457	-22.9545	0.942	0.9165	-0.276	11.4705	-99.8655	1
7457_7457	7457	7457	44.562	22.7145	-4.2	0.0585	13.6305	-448.466	1
7457_7110	7457	7110	-23.0025	0.765	1.467	0.0555	17.937	-103.002	1
7460_7132	7460	7132	-27.5355	1.734	0.306	0.0345	-13.392	-42.426	1
7460_7461	7460	7461	-57.522	25.7235	-2.844	0.0705	-14.268	428.88	1
7461_7461	7461	7461	13.635	2.2815	0.474	-0.0615	-6.285	101.637	1
7461_7462	7461	7462	-49.323	19.0395	0.84	0.054	-9.15	390.1605	1
7462_7462	7462	7462	19.164	2.667	0.6525	-0.036	-6.327	102.816	1
7462_7463	7462	7463	-44.7675	17.9385	0.741	-0.084	-0.5745	203.127	1
7463_7463	7463	7463	25.1895	3.4815	-0.0615	-0.0285	0.624	79.209	1
7463_7464	7463	7464	-38.814	13.5735	0.045	0.012	-0.5205	111.3615	1
7464_7464	7464	7464	31.941	4.1655	-0.024	-0.1215	0.1635	59.964	1
7464_7465	7464	7465	-38.1825	12.6675	-0.003	-0.1335	-0.5985	20.5905	1
7465_7465	7465	7465	38.739	5.4285	0.045	-0.084	-0.2175	34.233	1
7465_7466	7465	7466	-35.256	9.8955	0.027	-0.0435	-0.1665	-122.292	1
7466_7466	7466	7466	81.846	7.8555	-0.435	0.0495	0.9405	14.6175	1
7466_7467	7466	7467	-32.886	8.355	0.051	-0.0885	0.2775	-198.284	1
7467_7467	7467	7467	85.6395	9.576	-0.3525	0.1605	-2.898	-50.9385	1
7467_7468	7467	7468	-32.148	7.689	0.0135	0.093	0.348	-241.385	1
7468_7468	7468	7468	-25.554	1.764	-0.705	0.462	3.0795	49.9755	1
7468_7469	7468	7469	-64.53	16.5405	0.543	0.0555	4.6095	-197.859	1
7469_7469	7469	7469	61.0695	16.6935	0.69	-0.0975	-4.239	212.463	1
7469_7470	7469	7470	24.918	2.4015	-0.5025	0.333	-2.1945	-28.659	1
7470_7470	7470	7470	33.5145	7.968	0.0435	-0.006	-0.3735	244.092	1
7470_7471	7470	7471	-56.2185	9.663	0.006	-0.096	-0.318	111.6105	1
7471_7471	7471	7471	33.339	8.67	0.048	-0.042	-0.1185	199.812	1
7471_7472	7471	7472	-54.336	8.511	-0.021	-0.111	-0.3675	38.949	1
7472_7472	7472	7472	35.2575	10.401	0.015	-0.048	0.231	121.1865	1
7472_7473	7472	7473	-48.7725	6.675	0.066	-0.099	0.3105	-53.463	1
7473_7473	7473	7473	36.93	13.5	0.051	0.0405	0.432	-29.2365	1
7473_7474	7473	7474	-44.427	5.07	-0.117	-0.036	-0.792	-87.5745	1
7474_7474	7474	7474	37.4595	14.367	0.0045	-0.1605	0.8655	-126.312	1
7474_7475	7474	7475	-40.6275	4.0935	-0.0525	-0.138	-1.0935	-114.003	1
7475_7475	7475	7475	43.122	19.032	0.6495	-0.018	0.7875	-224.915	1
7475_7476	7475	7476	-33.57	2.9685	0.8955	-0.021	8.4855	-139.416	1
7476_7476	7476	7476	47.3895	20.079	0.7065	-0.1335	8.337	-424.299	1
7476_7477	7476	7477	-27.5565	2.241	0.7335	-0.162	9.45	-136.802	1
7477_7477	7477	7477	48.81	24.5235	-4.2915	0.0615	11.979	-490.989	1
7477_7148	7477	7148	-27.6255	2.1015	0.6615	0.039	12.6195	-145.404	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7480_7168	7480	7168	21.4845	1.5735	0.708	0.0345	-11.994	112.5525	1
7480_7481	7480	7481	-52.6245	25.071	-3.8805	0.0525	-11.9775	505.0935	1
7481_7481	7481	7481	19.1685	1.7265	0.5835	0.045	-7.863	101.6295	1
7481_7482	7481	7482	-51.1995	20.706	0.762	0.6915	-7.767	436.434	1
7482_7482	7482	7482	26.259	2.277	0.807	-0.0735	-7.5855	107.6145	1
7482_7483	7482	7483	-46.614	19.5825	0.5925	-0.282	-1.1445	231.8625	1
7483_7483	7483	7483	34.992	3.246	-0.0855	-0.0585	1.1235	90.5295	1
7483_7484	7483	7484	-40.419	14.9145	0.042	-0.063	-0.882	129.9885	1
7484_7484	7484	7484	41.295	4.119	-0.0885	-0.078	0.534	71.7165	1
7484_7485	7484	7485	-39.813	13.986	0.0405	-0.0465	-0.588	29.4825	1
7485_7485	7485	7485	46.872	5.685	0.06	-0.078	-0.2955	44.763	1
7485_7486	7485	7486	-37.0275	10.8915	0.0345	-0.039	-0.0675	-128.535	1
7486_7486	7486	7486	52.395	7.6095	0.003	-0.1185	0.324	-34.062	1
7486_7487	7486	7487	-35.532	9.138	0.0285	-0.093	0.1395	-211.229	1
7487_7487	7487	7487	87.417	8.7765	-0.291	0.132	-2.565	-31.6875	1
7487_7488	7487	7488	-35.109	8.4135	-0.006	0.1005	0.1485	-258.297	1
7488_7488	7488	7488	-28.6635	2.616	-0.3525	0.432	3.0705	36.3135	1
7488_7489	7488	7489	-66.441	17.724	0.795	-0.0585	4.602	-219.185	1
7489_7489	7489	7489	68.514	18.162	0.765	-0.06	-4.575	224.856	1
7489_7490	7489	7490	22.458	1.974	-0.579	0.441	-3.2205	-35.232	1
7490_7490	7490	7490	36.15	8.409	0.0285	-0.1425	0.1035	260.748	1
7490_7491	7490	7491	-51.0405	8.7765	0.024	-0.159	-0.7245	108.6465	1
7491_7491	7491	7491	36.612	9.1725	0.003	0.051	0.126	213.801	1
7491_7492	7491	7492	-48.7125	7.725	0.0555	-0.0405	-0.126	43.5225	1
7492_7492	7492	7492	39.1305	10.989	0.036	-0.0405	0.1575	130.6245	1
7492_7493	7492	7493	-43.23	6.0105	0.042	-0.075	0.2295	-39.0765	1
7493_7493	7493	7493	41.331	14.2005	0.0105	-0.129	0.7065	-28.056	1
7493_7494	7493	7494	-36.126	4.593	-0.039	-0.114	-0.2685	-67.713	1
7494_7494	7494	7494	41.97	15.1695	0.06	0.0285	0.7215	-130.104	1
7494_7495	7494	7495	-31.3755	3.816	-0.0825	-0.015	-0.879	-91.1355	1
7495_7495	7495	7495	48.417	19.899	0.5115	-0.018	1.1295	-233.909	1
7495_7496	7495	7496	-22.8675	2.9595	0.558	-0.018	5.1405	-115.073	1
7496_7496	7496	7496	53.1345	21.09	0.5715	-0.102	7.1805	-442.223	1
7496_7497	7496	7497	-17.0565	2.478	0.405	-0.087	5.082	-113.564	1
7497_7497	7497	7497	54.6855	25.368	-3.6795	0.0705	10.2	-512.273	1
7497_7184	7497	7184	-18.162	2.343	1.089	0.0285	10.0815	-125.351	1
7500_7204	7500	7204	11.4615	0.3435	0.9465	0.0495	-11.232	54.609	1
7500_7501	7500	7501	-47.8125	25.1775	-3.5145	0.0765	-8.6415	544.272	1
7501_7501	7501	7501	12.645	0.4605	0.6	-0.15	-7.7925	56.8155	1
7501_7502	7501	7502	-46.8	21.123	0.3975	-0.2475	-6.63	472.6425	1
7502_7502	7502	7502	63.024	1.035	-1.17	0.0075	11.6775	112.9215	1
7502_7503	7502	7503	-45.7425	20.0085	0.3825	0.0075	-2.1795	256.05	1
7503_7503	7503	7503	72.4635	2.64	0.147	0.018	-0.969	119.718	1
7503_7504	7503	7504	-40.158	15.6675	0.051	-0.18	-1.701	146.9295	1
7504_7504	7504	7504	78.9255	4.407	0.039	0.1605	0.2415	106.5705	1
7504_7505	7504	7505	-36.8625	14.799	0.0975	0.0645	-0.867	38.1855	1
7505_7505	7505	7505	80.109	6.5955	0.036	0.102	0.531	79.8495	1
7505_7506	7505	7506	-34.3365	11.7975	0.0465	-0.03	-0.0825	-138.104	1
7506_7506	7506	7506	80.883	9.147	-0.258	0.072	1.0545	-10.659	1
7506_7507	7506	7507	-33.7995	9.975	-0.1065	-0.0975	-1.059	-229.43	1
7507_7507	7507	7507	83.859	10.8435	-0.1335	0.177	-0.858	-88.023	1
7507_7508	7507	7508	-33.9105	9.279	-0.1335	0.1365	-1.692	-281.372	1
7508_7508	7508	7508	-18.36	0.702	-0.669	0.6465	5.868	46.1415	1
7508_7509	7508	7509	-36.324	16.3155	0.711	-0.0435	-0.696	-301.733	1
7509_7509	7509	7509	35.0745	16.461	0.969	-0.357	2.661	310.2195	1
7509_7510	7509	7510	18.4605	1.056	0.4545	0.6015	-2.472	-47.256	1
7510_7510	7510	7510	34.251	9.471	-0.2025	-0.129	3.4245	282.0105	1
7510_7511	7510	7511	-75.345	10.698	-1.1085	-0.0585	8.196	87.69	1
7511_7511	7511	7511	34.0485	10.173	-0.2295	0.0375	2.2065	229.38	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7511_7512	7511	7512	-72.729	9.168	-1.0575	-0.144	-1.0125	10.2465	1
7512_7512	7512	7512	35.8035	12.1155	0.066	-0.048	0.111	134.2575	1
7512_7513	7512	7513	-64.9275	6.531	0.108	-0.105	0.2895	-79.344	1
7513_7513	7513	7513	39.3555	15.225	0.03	-0.039	1.1265	-44.937	1
7513_7514	7513	7514	-57.0195	4.368	-0.033	-0.0855	-0.2535	-106.506	1
7514_7514	7514	7514	38.9925	16.1355	0.0285	-0.0765	1.3395	-154.733	1
7514_7515	7514	7515	-49.4205	3.135	-0.033	-0.078	-0.534	-121.902	1
7515_7515	7515	7515	45.96	20.4525	0.2745	0.579	1.7265	-267.923	1
7515_7516	7515	7516	-37.758	1.7745	0.627	0.135	6.0885	-129.647	1
7516_7516	7516	7516	46.6005	21.561	0.102	-1.7985	5.517	-489.8	1
7516_7517	7516	7517	-25.449	1.038	0.522	-0.471	5.6325	-109.469	1
7517_7517	7517	7517	51.1095	25.6095	-3.537	-0.0765	9.135	-554.724	1
7517_7220	7517	7220	-26.715	0.9225	1.608	0.039	13.029	-116.255	1
7520_7240	7520	7240	111.1935	15.114	3.519	0.225	22.1415	126.3645	1
7520_7521	7520	7521	-52.4475	16.704	-8.4705	-1.0215	-16.0275	630.519	1
7521_7521	7521	7521	14.724	0.5835	0.8775	-0.3405	-12.2775	68.9355	1
7521_7522	7521	7522	-61.1745	23.7045	0.7695	-1.3815	-18.3465	552.528	1
7522_7522	7522	7522	25.389	1.0755	1.233	0.0255	-13.6905	92.2335	1
7522_7523	7522	7523	-58.17	22.2705	0.7665	0.192	-8.385	313.074	1
7523_7523	7523	7523	42.5535	2.364	0.0375	-0.1665	-0.33	99.375	1
7523_7524	7523	7524	-54.69	18.2145	0.3585	-0.3075	-5.2095	182.661	1
7524_7524	7524	7524	81.375	4.068	-0.03	0.165	-0.135	107.742	1
7524_7525	7524	7525	-51.588	16.9845	0.447	0.168	-1.6965	56.5725	1
7525_7525	7525	7525	87.906	6.4965	0.117	0.0915	-0.8175	88.107	1
7525_7526	7525	7526	-49.716	13.752	0.258	0.006	2.328	-145.253	1
7526_7526	7526	7526	89.28	9.486	-1.8735	0.0915	0.42	0.6555	1
7526_7527	7526	7527	-47.4015	11.448	-0.045	0.3375	2.121	-253.025	1
7527_7527	7527	7527	89.061	11.3175	-2.1225	0.2025	-16.26	-83.313	1
7527_7528	7527	7528	-47.6265	10.4715	0.069	-0.3765	2.202	-311.22	1
7528_7528	7528	7528	-23.298	1.0035	-0.5295	2.208	20.4825	68.643	1
7528_7529	7528	7529	-47.4375	20.232	-0.366	0.8085	5.8815	-345.633	1
7529_7529	7529	7529	49.0815	20.1435	0.8115	-1.0545	8.7555	350.505	1
7529_7530	7529	7530	22.188	1.134	0.3555	-0.555	6.213	-57.4155	1
7530_7530	7530	7530	47.7375	10.0665	0.048	-0.552	5.088	315.0735	1
7530_7531	7530	7531	-76.971	10.578	-2.337	-0.0285	19.3515	85.854	1
7531_7531	7531	7531	48.951	11.0805	-0.231	0.1995	6.069	254.9475	1
7531_7532	7531	7532	-77.1825	8.979	-2.0625	-0.1395	0.945	6.3285	1
7532_7532	7532	7532	51.054	13.3695	-0.279	-0.0285	3.7425	153.5565	1
7532_7533	7532	7533	-67.404	6.402	-0.2175	-0.069	-2.3085	-79.431	1
7533_7533	7533	7533	54.831	16.6425	-0.2205	0.1845	-0.429	-43.6785	1
7533_7534	7533	7534	-57.558	4.176	-0.1425	0.036	-3.3585	-104.099	1
7534_7534	7534	7534	56.46	17.9145	-0.33	-0.135	-1.9305	-164.966	1
7534_7535	7534	7535	-49.359	2.958	-0.027	-0.1125	-3.2385	-117.498	1
7535_7535	7535	7535	61.608	22.1745	0.1995	0.471	-4.2465	-291.432	1
7535_7536	7535	7536	-34.743	1.6515	-0.123	0.039	-4.4145	-119.954	1
7536_7536	7536	7536	62.304	23.646	0.0405	-0.9855	-1.6515	-531.936	1
7536_7537	7536	7537	-24.6435	0.9405	-0.0285	-0.1635	-3.6585	-102.443	1
7537_7537	7537	7537	68.166	26.8935	-0.054	0.0585	-0.948	-600.47	1
7537_7253	7537	7253	-27.717	0.9015	1.596	1.116	2.4675	-112.505	1
7540_7275	7540	7275	13.431	0.4515	-0.0075	-0.123	7.3575	38.721	1
7540_7541	7540	7541	-67.0515	24.1245	0.252	-0.2085	4.314	585.879	1
7541_7541	7541	7541	10.6065	0.414	-0.408	0.057	6.4995	31.398	1
7541_7542	7541	7542	-61.8165	22.1025	-0.918	-1.17	0.2175	519.1245	1
7542_7542	7542	7542	52.5105	1.1925	-0.561	0.024	5.2575	100.284	1
7542_7543	7542	7543	-59.3865	20.5695	-0.768	-0.0675	-8.2755	297.2955	1
7543_7543	7543	7543	72.9165	2.628	0.279	-0.1005	-2.919	122.391	1
7543_7544	7543	7544	-54.951	17.2395	0.2505	-0.42	-5.775	171.4065	1
7544_7544	7544	7544	82.4895	4.4625	0.087	0.2295	-1.074	112.9665	1
7544_7545	7544	7545	-55.3425	15.939	0.39	0.198	-2.8035	56.5185	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7545_7545	7545	7545	89.46	7.0545	0.0915	0.126	-1.215	91.065	1
7545_7546	7545	7546	-50.856	13.281	0.489	0.0705	5.163	-144.048	1
7546_7546	7546	7546	91.464	10.515	-3.0705	0.096	-0.7365	-4.602	1
7546_7547	7546	7547	-49.1085	11.235	0.174	0.522	6.9735	-249.114	1
7547_7547	7547	7547	91.212	12.4305	-3.3705	0.381	-28.065	-97.701	1
7547_7548	7547	7548	-49.3335	10.2015	0.312	-0.3945	8.3625	-305.783	1
7548_7548	7548	7548	-17.238	0.4035	-0.681	2.5995	21.0885	64.4505	1
7548_7549	7548	7549	-47.886	20.559	-1.4385	2.2425	13.4565	-345.015	1
7549_7549	7549	7549	59.0385	22.2195	1.62	-2.8665	19.5315	330.8865	1
7549_7550	7549	7550	-13.0185	0.6495	0.654	-2.5665	18.9075	53.7675	1
7550_7550	7550	7550	52.908	10.0335	-0.1275	-0.4125	10.1565	307.3635	1
7550_7551	7550	7551	-78.2895	12.099	-3.414	0.18	30.318	90.3945	1
7551_7551	7551	7551	52.7805	11.2725	-0.2535	-0.0435	9.261	250.3545	1
7551_7552	7551	7552	-75.8715	10.2915	-3.1845	-0.3165	3.276	8.1225	1
7552_7552	7552	7552	57.474	13.962	-0.54	-0.0705	6.603	148.0485	1
7552_7553	7552	7553	-69.2565	7.6005	-0.543	-0.0555	-4.596	-94.326	1
7553_7553	7553	7553	63.6105	17.3655	-0.5745	0.135	-1.542	-54.804	1
7553_7554	7553	7554	-55.47	5.169	-0.405	-0.0045	-7.308	-120.749	1
7554_7554	7554	7554	64.143	18.972	-0.6585	0.0285	-5.562	-177.486	1
7554_7555	7554	7555	-47.079	3.876	-0.318	0.0045	-8.997	-138.734	1
7555_7555	7555	7555	68.463	23.232	-0.141	0.318	-10.4145	-310.106	1
7555_7556	7555	7556	-30.7755	2.571	0.783	0.0465	0.282	-145.68	1
7556_7556	7556	7556	74.3955	25.176	-0.21	0.405	-12.336	-545.834	1
7556_7557	7556	7557	-22.272	1.845	0.7815	-0.051	4.026	-132.861	1
7557_7557	7557	7557	67.9635	22.335	4.209	0.336	-11.8395	-642.509	1
7557_7288	7557	7288	-58.665	5.8875	8.2905	0.813	32.472	-193.149	1
47000_7000	47000	7000	1.254	80.8515	-0.5655	-0.4875	0	9.447	1
47000_7001	47000	7001	0.729	5.184	-1.4325	-1.0545	-15.0555	-47.9025	1
47001_7001	47001	7001	1.575	68.9265	-0.753	-0.5685	-7.9155	-712.26	1
47001_7002	47001	7002	-0.246	8.235	0.0705	0.1125	1.4085	414.249	1
47002_7002	47002	7002	1.869	62.628	0.618	0.0795	-19.1955	-1093.78	1
47002_7003	47002	7003	-0.4755	11.6085	-0.114	-0.138	2.034	658.4955	1
47003_7003	47003	7003	2.0475	50.844	0.6975	-1.5945	-14.1045	-1489.41	1
47003_7004	47003	7004	-0.6615	19.9995	-0.174	0.7905	1.245	906.531	1
47004_7004	47004	7004	2.1435	53.4075	-0.012	1.218	-7.269	-1689.06	1
47004_7005	47004	7005	-1.1385	24.09	0.0195	-0.9495	2.2425	1312.448	1
47005_7005	47005	7005	2.19	43.4505	-0.006	-2.592	-8.991	-1877.82	1
47005_7006	47005	7006	-1.5705	36.072	0.027	2.0895	3.648	1570.664	1
47006_7006	47006	7006	2.2005	49.2105	-0.147	1.197	-10.6605	-1931.04	1
47006_7007	47006	7007	-1.8585	33.4515	0.102	-1.1265	6.0795	1789.524	1
47007_7007	47007	7007	2.19	39.8085	-0.162	-2.868	-14.142	-2032.2	1
47007_7008	47007	7008	-2.0385	43.5735	0.1185	2.661	8.994	1857.146	1
47008_7008	47008	7008	2.169	45.948	-0.327	1.332	-17.964	-2017.11	1
47008_7009	47008	7009	-2.139	37.9095	0.2835	-1.1865	14.0745	1962.057	1
47009_7009	47009	7009	2.1435	36.636	-0.33	-2.754	-23.616	-2059.45	1
47009_7010	47009	7010	-2.1855	47.5215	0.3075	2.8185	19.8315	1940.568	1
47010_7010	47010	7010	2.115	42.2385	-0.258	1.35	-29.094	-1991.01	1
47010_7011	47010	7011	-2.1975	41.499	0.252	-1.1535	25.0185	1972.145	1
47011_7011	47011	7011	2.082	32.9325	-0.2595	-2.346	-33.2835	-1977.22	1
47011_7012	47011	7012	-2.187	51.117	0.2625	2.574	30.3345	1882.413	1
47012_7012	47012	7012	2.034	37.347	-0.4665	1.6035	-37.083	-1849.53	1
47012_7013	47012	7013	-2.166	45.7395	0.549	-1.3875	38.9205	1840.214	1
47013_7013	47013	7013	1.9485	28.2135	-0.435	-1.9635	-42.192	-1781.53	1
47013_7014	47013	7014	-2.1405	55.5375	0.558	2.2905	47.4585	1674.774	1
47014_7014	47014	7014	1.7745	27.879	-0.489	0.546	-44.871	-1477.91	1
47014_7015	47014	7015	-2.1135	51.8775	0.345	-0.4785	53.973	1344.047	1
47015_7015	47015	7015	1.461	21.9165	-0.456	-0.804	-50.4945	-1557.61	1
47015_7016	47015	7016	-2.64	65.289	0.4305	0.9405	59.0265	1408.895	1
47016_7016	47016	7016	0.852	22.7655	0.1245	1.245	-50.2785	-1253.93	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47016_7017	47016	7017	-3.5655	60.1635	-0.003	-0.8115	59.232	1042.16	1
47017_7017	47017	7017	0.492	13.353	0.063	-0.0525	-43.6185	-974.549	1
47017_7018	47017	7018	-5.463	70.194	-0.0975	0.1275	56.7315	591.027	1
47018_7018	47018	7018	0.2055	9.1965	0.1275	0.8925	-38.4105	-652.052	1
47018_7019	47018	7019	-7.4175	74.4405	0.3015	-0.342	57.1365	181.4235	1
47019_7019	47019	7019	0.372	2.7615	0.2295	0.351	-29.559	-298.409	1
47019_7020	47019	7020	-10.329	85.4925	0.2415	-0.681	56.5605	-379.188	1
47020_7020	47020	7020	-31.926	77.307	-0.552	0.6195	-16.5735	271.716	1
47020_7021	47020	7021	75.954	12.03	-0.3255	-1.263	58.938	542.8215	1
47021_7021	47021	7021	-26.8005	69.4485	-0.6705	0.477	-14.643	-134.558	1
47021_7022	47021	7022	66.969	17.0745	-0.1995	-0.804	50.9385	690.8505	1
47022_7022	47022	7022	-23.031	61.5045	-0.756	-0.1275	-13.533	-350.855	1
47022_7023	47022	7023	59.523	22.332	-0.1245	0.3405	45.33	759.9765	1
47023_7023	47023	7023	-20.571	60.2325	0.081	0.774	-13.5735	-510.095	1
47023_7024	47023	7024	51.3705	22.689	-0.729	-1.419	35.6955	834.3135	1
47024_7024	47024	7024	-19.3515	51.984	-0.033	-0.357	-7.9875	-674.918	1
47024_7025	47024	7025	43.386	28.578	-0.675	-0.279	26.895	879.4185	1
47025_7025	47025	7025	-19.371	44.259	-0.168	-0.402	-4.2885	-773.115	1
47025_7026	47025	7026	35.868	35.3115	-0.5595	-0.189	19.677	877.41	1
47026_7026	47026	7026	-20.1705	49.437	-0.288	0.6405	-3.429	-886.859	1
47026_7027	47026	7027	29.778	32.7585	-0.6255	-1.2375	13.845	971.5395	1
47027_7027	47027	7027	-21.6015	43.4565	-0.4245	0.759	-3.7095	-942.066	1
47027_7028	47027	7028	26.0505	37.875	-0.5055	-1.4955	9.807	975.042	1
47028_7028	47028	7028	-23.7045	37.7895	-0.51	-1.3575	-5.577	-960.449	1
47028_7029	47028	7029	23.2695	43.5435	-0.4245	0.6375	6.897	951.906	1
47029_7029	47029	7029	-26.5935	32.685	-0.6255	-1.29	-8.616	-953.369	1
47029_7030	47029	7030	21.24	49.5405	-0.291	0.714	5.5545	892.872	1
47030_7030	47030	7030	-31.3635	35.244	-0.54	-0.0735	-13.119	-854.325	1
47030_7031	47030	7031	19.899	44.2725	-0.207	-0.525	5.0535	775.452	1
47031_7031	47031	7031	-37.2705	28.5075	-0.657	-0.3015	-18.9525	-851.075	1
47031_7032	47031	7032	19.2045	52.008	-0.078	-0.3675	6.9885	671.7525	1
47032_7032	47032	7032	-43.5315	22.629	-0.7155	-1.5255	-26.433	-801.483	1
47032_7033	47032	7033	19.737	60.2775	0.0345	0.8835	10.8135	502.2285	1
47033_7033	47033	7033	-49.935	22.2975	-0.2205	-0.9825	-34.944	-722.487	1
47033_7034	47033	7034	21.4245	61.431	-0.7215	0.5295	9.696	338.262	1
47034_7034	47034	7034	-55.7655	17.025	-0.4575	0.0735	-40.5225	-648.734	1
47034_7035	47034	7035	24.288	69.4005	-0.5565	-0.1335	10.578	117.507	1
47035_7035	47035	7035	-62.787	11.97	-0.5655	-1.431	-50.0775	-497.259	1
47035_7036	47035	7036	28.2825	77.2845	-0.468	0.4845	12.285	-292.706	1
47036_7036	47036	7036	34.029	82.497	0.1725	-1.269	-39.1335	511.656	1
47036_7037	47036	7037	6.462	6.1305	-0.1125	-0.921	4.284	293.2635	1
47037_7037	47037	7037	33.4935	71.4195	0.207	-0.573	-39.9375	24.819	1
47037_7038	47037	7038	-11.883	9.975	0.1845	0.4695	27.5685	557.8635	1
47038_7038	47038	7038	32.4315	67.074	-0.186	-0.231	-40.0545	-305.435	1
47038_7039	47038	7039	-16.644	14.1615	0.1575	0.0015	32.4105	837.369	1
47039_7039	47039	7039	30.273	57.1695	-0.171	-1.2105	-43.3755	-680.034	1
47039_7040	47039	7040	-21.669	23.553	0.2805	1.65	39.3495	1060.98	1
47040_7040	47040	7040	28.695	62.007	-0.012	0.942	-45.12	-991.05	1
47040_7041	47040	7041	-25.5495	22.8225	-0.2265	-1.185	40.191	1306.088	1
47041_7041	47041	7041	26.259	48.4155	-0.0765	-1.209	-44.6925	-885.12	1
47041_7042	47041	7042	-27.507	28.8855	-0.1245	1.245	40.122	1168.493	1
47042_7042	47042	7042	24.699	52.617	0.1935	0.963	-44.8245	-1161.32	1
47042_7043	47042	7043	-28.9845	27.7665	-0.378	-1.0965	39.1455	1378.506	1
47043_7043	47043	7043	23.4105	42.1245	0.0945	-1.7235	-41.7915	-1311.79	1
47043_7044	47043	7044	-28.8435	37.347	-0.318	1.686	37.377	1381.743	1
47044_7044	47044	7044	22.5825	47.3985	0.033	0.402	-39.9945	-1348.01	1
47044_7045	47044	7045	-27.7455	32.2125	-0.132	-0.69	37.5345	1453.491	1
47045_7045	47045	7045	22.2405	37.0725	-0.0135	-0.9675	-38.8905	-1439.25	1
47045_7046	47045	7046	-26.2875	42.231	-0.096	0.693	37.6785	1416.951	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47046_7046	47046	7046	22.281	42.6525	-0.1335	1.407	-38.199	-1419.34	1
47046_7047	47046	7047	-24.7545	36.513	0.009	-1.476	38.829	1443.501	1
47047_7047	47047	7047	22.4625	32.571	-0.189	-1.518	-38.7555	-1460.86	1
47047_7048	47047	7048	-23.4675	46.8585	0.0795	1.437	40.7355	1360.293	1
47048_7048	47048	7048	22.524	37.554	-0.3255	0.7995	-39.4875	-1391.6	1
47048_7049	47048	7049	-22.6215	41.445	0.1575	-1.0365	43.587	1332.498	1
47049_7049	47049	7049	21.9405	27.9	-0.348	-0.639	-41.3655	-1390.04	1
47049_7050	47049	7050	-22.2735	52.02	0.225	0.372	47.181	1188.674	1
47050_7050	47050	7050	20.052	28.9185	-0.279	1.059	-41.838	-1181.58	1
47050_7051	47050	7051	-22.3215	47.703	-0.0165	-1.0755	47.88	920.748	1
47051_7051	47051	7051	18.207	22.737	-0.3465	-1.0395	-44.1435	-1313.62	1
47051_7052	47051	7052	-23.103	61.602	0.0825	0.8355	49.605	1013.81	1
47052_7052	47052	7052	14.7435	23.8305	0.3225	1.5855	-43.8435	-1073.2	1
47052_7053	47052	7053	-23.9445	56.427	-0.2205	-1.1565	47.6145	704.046	1
47053_7053	47053	7053	10.5285	14.232	0.174	0.009	-35.859	-862.853	1
47053_7054	47053	7054	-25.383	66.603	-0.276	-0.261	43.2675	334.0185	1
47054_7054	47054	7054	6.822	9.8715	0.0765	0.7425	-30.594	-588.938	1
47054_7055	47054	7055	-25.983	71.121	0.4035	-0.5895	45.786	0.843	1
47055_7055	47055	7055	-18.5685	4.701	0.105	-1.1595	7.9245	-246.635	1
47055_7056	47055	7056	-26.592	82.5555	0.3675	-1.1805	47.331	-491.499	1
47056_7056	47056	7056	-32.022	76.341	-0.561	0.963	-11.8125	188.808	1
47056_7057	47056	7057	67.596	11.9595	-0.366	-1.5765	50.3115	527.3505	1
47057_7057	47057	7057	-27.8715	68.3925	-0.666	0.4155	-10.917	-213.414	1
47057_7058	47057	7058	60.4425	17.2695	-0.2535	-0.7935	42.411	682.7205	1
47058_7058	47058	7058	-24.8205	60.4305	-0.759	-0.267	-10.8255	-427.844	1
47058_7059	47058	7059	54.522	22.734	-0.1605	0.378	37.173	766.3215	1
47059_7059	47059	7059	-22.8435	59.6775	0.0705	1.443	-12.0105	-582.819	1
47059_7060	47059	7060	47.871	23.1015	-0.6075	-1.986	29.361	852.33	1
47060_7060	47060	7060	-21.9255	51.51	-0.018	0.0165	-7.497	-743.46	1
47060_7061	47060	7061	41.373	29.067	-0.5805	-0.6735	22.0755	905.5335	1
47061_7061	47061	7061	-22.083	43.884	-0.111	-1.215	-4.5375	-838.287	1
47061_7062	47061	7062	35.2215	35.88	-0.528	0.81	15.7305	910.332	1
47062_7062	47062	7062	-22.896	49.4385	-0.2685	1.197	-3.762	-948.864	1
47062_7063	47062	7063	30.2715	33.0975	-0.507	-1.9245	11.187	1012.148	1
47063_7063	47063	7063	-24.2895	43.5015	-0.342	-0.915	-4.398	-1003.11	1
47063_7064	47063	7064	27.2445	38.202	-0.453	-0.0105	7.8015	1019.417	1
47064_7064	47064	7064	-26.298	37.8855	-0.4545	-0.828	-6.117	-1021.24	1
47064_7065	47064	7065	24.993	43.8435	-0.342	-0.0315	5.6805	1000.424	1
47065_7065	47065	7065	-29.073	32.8065	-0.5535	-1.008	-9.0795	-1012.31	1
47065_7066	47065	7066	23.3685	49.7835	-0.234	0.2415	4.8285	944.079	1
47066_7066	47066	7066	-33.6765	35.5965	-0.5265	-0.645	-13.446	-910.011	1
47066_7067	47066	7067	22.3215	44.1375	-0.0645	-0.2775	5.5035	831.7185	1
47067_7067	47067	7067	-39.459	28.8135	-0.615	-0.792	-19.218	-904.65	1
47067_7068	47067	7068	21.8565	51.783	0.051	-0.123	8.424	735.042	1
47068_7068	47068	7068	-45.5955	22.878	-0.696	-1.0035	-26.1885	-851.184	1
47068_7069	47068	7069	22.467	59.9655	0.1635	0.1275	13.0425	571.269	1
47069_7069	47069	7069	-51.852	22.5945	-0.201	0.072	-34.194	-767.21	1
47069_7070	47069	7070	24.108	60.648	-0.7275	-0.252	11.421	415.959	1
47070_7070	47070	7070	-57.4365	17.1885	-0.297	-1.1445	-39.2475	-686.781	1
47070_7071	47070	7071	26.844	68.6175	-0.6285	0.5145	11.2185	200.757	1
47071_7071	47071	7071	-64.2075	11.9805	-0.4755	-1.272	-46.8615	-536.439	1
47071_7072	47071	7072	30.6675	76.5675	-0.4845	0.6165	12.3015	-202.718	1
47072_7072	47072	7072	29.118	81.8865	0.303	-1.332	-41.355	439.0035	1
47072_7073	47072	7073	4.764	5.421	-0.0585	-0.7635	9.948	230.043	1
47073_7073	47073	7073	27.894	70.473	0.3375	-0.699	-40.074	-67.761	1
47073_7074	47073	7074	-9.1995	9.957	0.0855	0.5205	27.9825	588	1
47074_7074	47074	7074	26.2755	66.072	-0.3075	-0.435	-37.86	-414.764	1
47074_7075	47074	7075	-13.218	14.313	0.177	0.1695	32.619	869.8665	1
47075_7075	47075	7075	23.679	55.995	-0.2595	-1.176	-42.4185	-797.577	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47075_7076	47075	7076	-17.5245	24.042	0.3225	1.368	39.885	1087.82	1
47076_7076	47076	7076	21.87	61.428	0.1125	0.2265	-44.94	-1118.4	1
47076_7077	47076	7077	-20.757	22.812	-0.327	-0.408	40.0545	1340.462	1
47077_7077	47077	7077	19.359	48.8595	-0.0105	-1.143	-43.1055	-1093.76	1
47077_7078	47077	7078	-22.176	29.1	-0.2955	0.9105	37.6275	1271.457	1
47078_7078	47078	7078	17.898	53.1435	0.2505	0.291	-42.903	-1336.46	1
47078_7079	47078	7079	-22.941	27.888	-0.255	-0.5505	37.5195	1481.882	1
47079_7079	47079	7079	16.749	43.401	0.21	-1.2315	-39.519	-1483.16	1
47079_7080	47079	7080	-22.548	36.9645	-0.2475	0.972	36.1605	1510.91	1
47080_7080	47080	7080	16.0155	48.9915	-0.003	0.5775	-36.6585	-1524.62	1
47080_7081	47080	7081	-21.288	31.926	-0.0735	-0.7875	36.114	1604.418	1
47081_7081	47081	7081	15.7425	39.366	-0.0345	-1.227	-36.135	-1617.74	1
47081_7082	47081	7082	-19.7415	41.2875	-0.039	1.02	36.3045	1598.915	1
47082_7082	47082	7082	15.972	44.718	-0.0255	0.72	-35.8845	-1580.68	1
47082_7083	47082	7083	-18.2355	35.265	-0.066	-0.9255	36.0015	1625.973	1
47083_7083	47083	7083	16.6665	34.572	-0.06	-0.918	-35.55	-1629.21	1
47083_7084	47083	7084	-16.917	45.4695	-0.0315	0.714	36.0885	1569.867	1
47084_7084	47084	7084	17.592	40.6035	-0.1275	0.876	-35.6715	-1596.54	1
47084_7085	47084	7085	-16.0635	39.9855	0.0525	-1.0995	37.125	1600.946	1
47085_7085	47085	7085	18.573	31.311	-0.153	-0.7575	-36.3015	-1598.05	1
47085_7086	47085	7086	-15.756	49.6635	0.087	0.5355	38.52	1500.825	1
47086_7086	47086	7086	19.338	36.4665	-0.285	1.848	-36.96	-1502.94	1
47086_7087	47086	7087	-15.909	43.8885	0.2445	-1.9005	41.6355	1454.058	1
47087_7087	47087	7087	19.4235	27.426	-0.309	-1.2615	-38.5335	-1472.48	1
47087_7088	47087	7088	-16.479	53.685	0.297	1.188	45.33	1302.893	1
47088_7088	47088	7088	18.528	29.2245	-0.279	1.356	-39.1365	-1278.86	1
47088_7089	47088	7089	-17.3595	49.2075	0.015	-1.41	45.675	1083.62	1
47089_7089	47089	7089	17.127	22.878	-0.318	-1.071	-41.0025	-1341.28	1
47089_7090	47089	7090	-19.11	61.2795	0.1335	0.9525	47.2635	1103.807	1
47090_7090	47090	7090	14.142	23.832	0.2085	1.227	-40.434	-1087.53	1
47090_7091	47090	7091	-20.5725	55.8555	-0.165	-1.047	45.513	788.808	1
47091_7091	47091	7091	10.302	13.9845	0.099	0.2025	-34.119	-861.23	1
47091_7092	47091	7092	-22.827	66.0945	-0.204	-0.4995	41.994	403.4895	1
47092_7092	47092	7092	6.762	9.738	0.066	0.7035	-29.952	-576.909	1
47092_7093	47092	7093	-24.237	70.3215	0.369	-0.5985	44.2935	60.825	1
47093_7093	47093	7093	-6.1335	5.427	0.0105	-1.005	-0.807	-250.47	1
47093_7094	47093	7094	-25.527	81.957	0.3345	-1.0845	45.7095	-447.917	1
47094_7094	47094	7094	-31.965	75.891	-0.513	0.8685	-11.121	194.319	1
47094_7095	47094	7095	66.222	11.8935	-0.393	-1.4625	46.0155	525.1005	1
47095_7095	47095	7095	-27.9285	67.782	-0.6225	0.4245	-10.3545	-207.375	1
47095_7096	47095	7096	59.3805	17.19	-0.2715	-0.8475	38.589	673.77	1
47096_7096	47096	7096	-24.9285	59.6775	-0.711	-0.2925	-10.4715	-419.397	1
47096_7097	47096	7097	53.7345	22.71	-0.186	0.357	33.6165	753.897	1
47097_7097	47097	7097	-22.941	59.307	0.1485	1.365	-11.853	-571.004	1
47097_7098	47097	7098	47.331	22.9005	-0.6315	-1.9125	26.0685	838.707	1
47098_7098	47098	7098	-21.9375	51.0495	0.0675	0.012	-7.2105	-730.769	1
47098_7099	47098	7099	41.049	28.923	-0.612	-0.6645	18.93	890.7255	1
47099_7099	47099	7099	-21.9465	43.3665	-0.0195	-1.2015	-4.0215	-823.869	1
47099_7100	47099	7100	35.079	35.8305	-0.5715	0.8025	12.5715	893.937	1
47100_7100	47100	7100	-22.611	49.449	-0.2265	-0.2265	-2.8485	-932.795	1
47100_7101	47100	7101	30.279	32.6955	-0.5475	-0.8805	8.073	996.8355	1
47101_7101	47101	7101	-23.8215	43.446	-0.2955	-2.457	-3.525	-988.097	1
47101_7102	47101	7102	27.33	37.8165	-0.492	1.326	4.704	1004.693	1
47102_7102	47102	7102	-25.62	37.761	-0.486	1.281	-5.232	-1006.9	1
47102_7103	47102	7103	25.113	43.503	-0.2985	-2.3985	3.1095	986.0175	1
47103_7103	47103	7103	-28.164	32.643	-0.549	-0.81	-8.691	-999.26	1
47103_7104	47103	7104	23.4795	49.509	-0.2295	-0.2985	2.526	930.915	1
47104_7104	47104	7104	-32.4375	35.7645	-0.5895	0.3405	-13.404	-896.801	1
47104_7105	47104	7105	22.389	43.3755	-0.012	-0.969	3.8775	822.459	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47105_7105	47105	7105	-37.9005	28.8495	-0.6345	-1.164	-20.1225	-893.694	1
47105_7106	47105	7106	21.81	51.069	0.0795	0.3525	7.3455	729.927	1
47106_7106	47106	7106	-43.6965	22.8225	-0.717	-1.161	-27.654	-841.638	1
47106_7107	47106	7107	22.2435	59.337	0.1935	0.4545	12.5625	570.558	1
47107_7107	47107	7107	-49.647	22.653	-0.126	-0.4635	-36.1875	-756.801	1
47107_7108	47107	7108	23.661	59.634	-0.7365	0.1095	11.2365	419.805	1
47108_7108	47108	7108	-54.879	17.1075	-0.2835	-0.5235	-40.947	-676.217	1
47108_7109	47108	7109	26.1255	67.7535	-0.6135	0.1185	11.433	207.789	1
47109_7109	47109	7109	-61.239	11.802	-0.405	-1.293	-48.783	-526.935	1
47109_7110	47109	7110	29.6445	75.891	-0.5055	0.606	12.516	-192.765	1
47110_7110	47110	7110	28.755	80.6475	0.3705	-1.092	-49.9605	414.075	1
47110_7111	47110	7111	8.8755	3.51	0.0405	-0.7065	-1.812	188.4195	1
47111_7111	47111	7111	27.7665	68.8155	0.4005	-0.5175	-48.78	-76.692	1
47111_7112	47111	7112	-8.9325	10.248	0.039	0.678	31.662	587.3835	1
47112_7112	47112	7112	26.565	64.5495	-0.0285	-0.6675	-46.6215	-397.121	1
47112_7113	47112	7113	-12.903	14.5425	0.018	0.318	35.3295	863.0085	1
47113_7113	47113	7113	24.387	54.1695	0.021	-0.7965	-48.2175	-755.283	1
47113_7114	47113	7114	-17.154	24.5295	0.1005	0.948	40.581	1074.627	1
47114_7114	47114	7114	22.929	59.664	0.2115	-0.282	-47.856	-1045.67	1
47114_7115	47114	7115	-20.475	23.5005	-0.3555	-0.039	40.746	1313.231	1
47115_7115	47115	7115	20.9745	46.878	0.159	-0.7245	-45.7275	-989.36	1
47115_7116	47115	7116	-22.0875	29.9505	-0.33	0.45	38.0175	1213.14	1
47116_7116	47116	7116	19.854	51.6945	0.3915	0.4035	-42.9465	-1204.06	1
47116_7117	47116	7117	-23.214	28.0065	-0.405	-0.645	36.318	1396.184	1
47117_7117	47117	7117	19.0065	41.5875	0.348	-1.0395	-37.8465	-1336.69	1
47117_7118	47117	7118	-23.163	37.314	-0.402	0.843	33.2265	1401.26	1
47118_7118	47118	7118	18.564	47.562	0.183	-0.1605	-33.27	-1362.26	1
47118_7119	47118	7119	-22.353	31.6965	-0.2235	-0.2055	31.4925	1473.386	1
47119_7119	47119	7119	18.5955	37.536	0.165	-0.2295	-30.4695	-1444.64	1
47119_7120	47119	7120	-21.249	41.298	-0.2205	-0.138	29.4645	1446.704	1
47120_7120	47120	7120	19.1835	43.179	0.126	1.5705	-27.8295	-1394.19	1
47120_7121	47120	7121	-20.106	34.9695	-0.207	-1.587	27.1695	1457.45	1
47121_7121	47121	7121	20.277	32.6385	0.0705	-1.293	-25.611	-1430.78	1
47121_7122	47121	7122	-19.119	45.522	-0.159	1.308	25.371	1382.234	1
47122_7122	47122	7122	21.609	39.0075	0.0495	0.945	-24.18	-1382.57	1
47122_7123	47122	7123	-18.579	39.825	-0.129	-1.176	24.0555	1396.518	1
47123_7123	47123	7123	23.001	29.37	0.012	-0.576	-23.085	-1373.98	1
47123_7124	47123	7124	-18.573	49.845	-0.093	0.348	23.1675	1278.642	1
47124_7124	47124	7124	24.1065	34.8555	-0.072	1.6575	-22.35	-1268.53	1
47124_7125	47124	7125	-19.0575	43.9035	0.006	-1.755	23.466	1216.934	1
47125_7125	47125	7125	24.3345	25.596	-0.12	-1.0275	-22.347	-1234.83	1
47125_7126	47125	7126	-19.992	54.021	0.0675	0.9045	24.5715	1048.967	1
47126_7126	47126	7126	23.3745	27.7395	-0.228	0.855	-22.2615	-1042.35	1
47126_7127	47126	7127	-21.2715	49.2855	-0.0885	-1.0575	23.748	812.892	1
47127_7127	47127	7127	21.8235	21.312	-0.267	-0.573	-24.5415	-1100.16	1
47127_7128	47127	7128	-23.532	61.7865	0.036	0.3675	25.2075	816.0015	1
47128_7128	47128	7128	18.3885	23.0085	0.006	1.293	-25.3275	-864.071	1
47128_7129	47128	7129	-25.2435	55.911	0.048	-0.9945	26.7105	495.5175	1
47129_7129	47129	7129	13.848	13.134	-0.156	-0.126	-23.5755	-669.165	1
47129_7130	47129	7130	-27.7275	66.1725	0.018	-0.0585	27.4125	116.007	1
47130_7130	47130	7130	9.675	8.2815	1.233	0.42	-25.488	-407.519	1
47130_7131	47130	7131	-29.1885	70.854	-0.879	-0.6	15.522	-224.316	1
47131_7131	47131	7131	-7.0425	5.8965	-0.3135	-0.5775	-15.021	-356.012	1
47131_7132	47131	7132	-30.849	82.4265	-0.894	-0.963	4.1235	-657.566	1
47132_7132	47132	7132	-33.303	76.758	-1.401	-0.9045	13.6245	377.4435	1
47132_7133	47132	7133	73.0725	8.757	0.63	-0.0135	17.4975	370.8225	1
47133_7133	47133	7133	-28.47	68.172	-1.5285	-0.333	2.247	-112.622	1
47133_7134	47133	7134	64.6665	14.6505	0.858	-0.48	21.246	569.0085	1
47134_7134	47134	7134	-24.72	59.5755	-1.659	0.5985	-7.0785	-339.873	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47134_7135	47134	7135	58.173	20.433	1.134	-2.2305	28.4685	663.1485	1
47135_7135	47135	7135	-21.9975	58.701	0.4395	0.777	-17.22	-503.309	1
47135_7136	47135	7136	50.904	21.417	-0.786	-1.329	21.39	755.499	1
47136_7136	47136	7136	-20.2935	50.034	0.3675	-0.468	-11.3235	-669.453	1
47136_7137	47136	7137	43.743	27.7485	-0.789	-0.1455	14.253	814.9695	1
47137_7137	47137	7137	-19.635	42.003	0.2565	-0.501	-6.654	-764.918	1
47137_7138	47137	7138	36.918	34.962	-0.723	-0.0675	7.941	819.696	1
47138_7138	47138	7138	-19.821	48.855	-0.21	1.2255	-3.8355	-870.113	1
47138_7139	47138	7139	31.278	31.2135	-0.3285	-1.719	5.7435	925.0725	1
47139_7139	47139	7139	-20.5905	42.5475	-0.255	-0.7305	-4.782	-929.715	1
47139_7140	47139	7140	27.729	36.5535	-0.3045	0.0165	3.969	936.7905	1
47140_7140	47140	7140	-21.993	36.588	-0.3285	-0.756	-6.4185	-950.097	1
47140_7141	47140	7141	24.9375	42.504	-0.2265	0.1005	3.1125	919.9965	1
47141_7141	47141	7141	-24.189	31.2345	-0.3975	-0.7815	-8.8725	-941.756	1
47141_7142	47141	7142	22.7535	48.8025	-0.1455	0.2055	3.1755	864.0975	1
47142_7142	47142	7142	-28.0635	34.713	-0.4065	0.5205	-12.1755	-840.752	1
47142_7143	47142	7143	21.1245	42.312	0.0045	-0.921	4.5705	759.5415	1
47143_7143	47143	7143	-33.1755	27.495	-0.429	-0.8745	-16.6455	-837.383	1
47143_7144	47143	7144	19.8555	50.355	0.0585	0.2805	7.3425	665.7585	1
47144_7144	47144	7144	-38.64	21.192	-0.48	-0.882	-21.504	-780.449	1
47144_7145	47144	7145	19.638	59.025	0.135	0.3825	11.262	500.712	1
47145_7145	47145	7145	-44.3085	20.9835	0.1815	-0.903	-26.8485	-688.661	1
47145_7146	47145	7146	20.481	59.664	-0.822	0.375	8.094	341.9175	1
47146_7146	47146	7146	-49.2795	15.2235	-0.015	0.066	-27.7695	-600.956	1
47146_7147	47146	7147	22.4385	68.1285	-0.717	-0.24	5.9295	120.21	1
47147_7147	47147	7147	-55.2945	9.7155	-0.1185	-0.786	-31.665	-434.699	1
47147_7148	47147	7148	25.5405	76.5705	-0.657	0.108	3.69	-295.601	1
47148_7148	47148	7148	45.2565	79.68	0.3075	-0.843	-32.745	557.0655	1
47148_7149	47148	7149	21.351	4.11	-0.0255	-0.555	2.145	302.4105	1
47149_7149	47149	7149	46.227	68.0895	0.3375	-0.2835	-30.696	94.398	1
47149_7150	47149	7150	-18.6915	10.398	0.1365	0.252	22.899	490.9425	1
47150_7150	47150	7150	46.7325	63.7125	-0.1905	-0.489	-28.245	-203.327	1
47150_7151	47150	7151	-25.047	14.8245	0.123	0.1515	25.2945	740.955	1
47151_7151	47151	7151	45.7905	53.6835	-0.138	-0.4395	-31.0065	-533.598	1
47151_7152	47151	7152	-31.8405	24.5475	0.2535	0.4425	30.477	918.282	1
47152_7152	47152	7152	45.0645	58.887	0.1695	-1.215	-31.794	-817.638	1
47152_7153	47152	7153	-37.1955	23.4495	-0.3945	0.7485	29.0835	1132.403	1
47153_7153	47153	7153	44.1405	46.11	0.1515	-0.024	-29.3325	-758.589	1
47153_7154	47153	7154	-40.101	29.853	-0.4065	-0.6135	24.5145	1019.381	1
47154_7154	47154	7154	43.707	50.1855	0.1095	-0.225	-26.4705	-963.404	1
47154_7155	47154	7155	-43.095	28.2405	-0.2175	-0.2205	24.0075	1173.791	1
47155_7155	47155	7155	43.47	39.912	0.075	-0.3165	-24.591	-1081.28	1
47155_7156	47155	7156	-44.295	37.65	-0.2025	-0.144	22.752	1157.75	1
47156_7156	47156	7156	43.533	45.5415	-0.0195	-0.9465	-23.2065	-1132.37	1
47156_7157	47156	7157	-44.493	33.171	-0.0975	0.327	22.641	1231.085	1
47157_7157	47157	7157	43.827	36.3615	-0.0015	0.3645	-22.911	-1197.52	1
47157_7158	47157	7158	-44.2905	42.123	-0.1185	-1.02	22.044	1187.771	1
47158_7158	47158	7158	44.217	42.069	-0.0945	-0.897	-22.467	-1180.38	1
47158_7159	47158	7159	-43.89	36.552	-0.015	0.249	22.5015	1199.684	1
47159_7159	47159	7159	44.4375	33.1095	-0.069	0.4425	-22.9275	-1221.38	1
47159_7160	47159	7160	-43.566	45.693	-0.036	-1.083	22.7355	1131.387	1
47160_7160	47160	7160	44.286	37.635	-0.282	-0.783	-22.9695	-1144.65	1
47160_7161	47160	7161	-43.4655	40.2645	0.1335	0.12	24.825	1074.737	1
47161_7161	47161	7161	43.1565	28.2255	-0.255	0.369	-25.188	-1157.63	1
47161_7162	47161	7162	-43.6605	50.4405	0.135	-0.9705	27.2205	953.034	1
47162_7162	47162	7162	40.2645	29.613	-0.3525	0.471	-26.139	-998.739	1
47162_7163	47162	7163	-44.0685	46.7025	0.0855	-0.657	29.4855	739.926	1
47163_7163	47163	7163	37.413	23.2335	-0.4245	-0.54	-30.012	-1104.38	1
47163_7164	47163	7164	-45.003	59.3625	0.186	0.2535	32.394	793.1955	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47164_7164	47164	7164	32.1165	24.0465	0.3045	0.333	-31.677	-885.297	1
47164_7165	47164	7165	-45.765	54.642	-0.195	-0.3975	31.035	498.3345	1
47165_7165	47165	7165	25.356	14.4675	0.18	0.327	-26.013	-699.918	1
47165_7166	47165	7166	-46.7805	64.599	-0.255	-0.6885	27.5565	154.104	1
47166_7166	47166	7166	18.954	10.0275	0.1785	0.282	-22.8765	-447.495	1
47166_7167	47166	7167	-46.401	69.402	0.339	-0.2865	30.2775	-159.729	1
47167_7167	47167	7167	-21.7515	4.842	0.0255	-0.6015	-4.0515	-360.548	1
47167_7168	47167	7168	-45.5055	80.7825	0.3015	-0.894	32.2665	-632.609	1
47168_7168	47168	7168	-28.659	77.6865	-0.63	0.3255	-3.9435	314.7435	1
47168_7169	47168	7169	60.5865	9.93	-0.1755	-0.936	31.9005	430.683	1
47169_7169	47169	7169	-25.1115	69.477	-0.696	0.0375	-5.808	-110.367	1
47169_7170	47169	7170	54.2625	15.246	-0.066	-0.1875	27.5685	600.528	1
47170_7170	47170	7170	-22.728	61.2075	-0.7755	0.078	-7.752	-340.718	1
47170_7171	47170	7171	48.975	20.7885	0.081	-0.168	25.908	691.4835	1
47171_7171	47171	7171	-21.5145	60.081	0.0645	-0.4035	-10.605	-510.038	1
47171_7172	47171	7172	42.945	21.228	-0.5085	-0.237	20.424	785.7165	1
47172_7172	47172	7172	-21.384	51.5415	-0.051	0.603	-7.3515	-682.662	1
47172_7173	47172	7173	37.059	27.357	-0.39	-1.341	16.1025	847.3065	1
47173_7173	47173	7173	-22.368	43.56	-0.1125	-0.735	-5.6415	-784.911	1
47173_7174	47173	7174	31.494	34.3755	-0.3585	0.108	12.3285	858.3165	1
47174_7174	47174	7174	-23.823	49.203	-0.1845	-0.729	-5.385	-897.798	1
47174_7175	47174	7175	27.1515	31.632	-0.462	0.0075	9.0585	963.1815	1
47175_7175	47175	7175	-25.872	43.008	-0.321	1.0965	-5.763	-954.551	1
47175_7176	47175	7176	24.615	36.9105	-0.339	-1.7805	6.936	974.133	1
47176_7176	47176	7176	-28.56	37.14	-0.366	-0.9165	-7.482	-972.794	1
47176_7177	47176	7177	22.8855	42.765	-0.2895	0.1665	5.517	957.0375	1
47177_7177	47177	7177	-32.031	31.848	-0.447	-0.9135	-9.9195	-962.852	1
47177_7178	47177	7178	21.8115	48.951	-0.1935	0.2385	5.2125	901.518	1
47178_7178	47178	7178	-37.5765	34.6095	-0.3045	-0.918	-13.3005	-858.534	1
47178_7179	47178	7179	21.336	43.4835	-0.123	0.174	5.58	788.8065	1
47179_7179	47179	7179	-44.2875	27.6015	-0.4335	0.312	-16.698	-848.798	1
47179_7180	47179	7180	21.675	51.435	-0.0135	-0.9375	7.7565	687.2115	1
47180_7180	47180	7180	-51.279	21.4695	-0.4455	-0.9915	-21.5295	-788.501	1
47180_7181	47180	7181	23.124	59.94	0.0435	0.3315	10.923	515.688	1
47181_7181	47181	7181	-58.368	20.9715	0.1245	-0.63	-26.5575	-695.256	1
47181_7182	47181	7182	25.6665	61.2615	-0.8055	-0.048	7.938	346.0485	1
47182_7182	47182	7182	-64.6245	15.453	-0.027	-0.762	-27.9045	-605.036	1
47182_7183	47182	7183	29.2875	69.486	-0.72	0.108	5.826	116.073	1
47183_7183	47183	7183	-72.039	10.143	-0.267	-0.2595	-31.824	-436.331	1
47183_7184	47183	7184	34.032	77.6445	-0.573	-0.3015	4.5555	-307.514	1
47184_7184	47184	7184	35.829	83.3295	0.273	-1.203	-33.4005	686.7765	1
47184_7185	47184	7185	8.751	5.2185	-0.0735	-0.351	3.636	261.6555	1
47185_7185	47185	7185	35.7855	72.153	0.3525	-0.384	-31.944	181.398	1
47185_7186	47185	7186	-12.7155	9.162	0.156	-0.1845	24.1155	440.0715	1
47186_7186	47186	7186	35.34	67.0815	-0.3075	-1.314	-28.9635	-172.061	1
47186_7187	47186	7187	-17.76	13.6365	0.2205	0.7695	27.9615	707.424	1
47187_7187	47187	7187	33.7515	57.069	-0.21	0.078	-33.4305	-559.344	1
47187_7188	47187	7188	-23.235	23.0235	0.309	-0.5775	33.537	918.087	1
47188_7188	47188	7188	32.6625	61.0755	0.039	-1.212	-35.1585	-887.211	1
47188_7189	47188	7189	-27.4965	22.6875	-0.282	0.6795	33.204	1157.607	1
47189_7189	47189	7189	31.3515	48.5625	0.018	0.057	-33.618	-848.208	1
47189_7190	47189	7190	-29.7285	28.9695	-0.2715	-0.762	30.57	1071.768	1
47190_7190	47190	7190	30.708	51.6855	0.069	-0.2715	-32.25	-1082.94	1
47190_7191	47190	7191	-31.776	28.3485	-0.2625	-0.2955	29.9265	1254.881	1
47191_7191	47191	7191	30.3105	41.7795	0.018	-0.39	-30.651	-1212.18	1
47191_7192	47191	7192	-32.367	37.5075	-0.231	-0.2055	28.6185	1262.106	1
47192_7192	47192	7192	30.243	46.632	-0.1755	-0.2415	-29.751	-1277.02	1
47192_7193	47192	7193	-32.1195	33.906	0.0015	-0.351	29.8635	1350.978	1
47193_7193	47193	7193	30.4125	37.8195	-0.207	-0.36	-30.897	-1344.73	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47193_7194	47193	7194	-31.6125	42.5715	0.039	-0.2415	31.269	1320.558	1
47194_7194	47194	7194	30.684	42.705	-0.183	0.762	-32.022	-1333.07	1
47194_7195	47194	7195	-30.99	37.8255	0.0015	-1.1475	32.4645	1336.962	1
47195_7195	47195	7195	30.807	34.1325	-0.2475	-0.921	-33.0315	-1370.86	1
47195_7196	47195	7196	-30.498	46.647	0.0735	0.4935	34.155	1272.9	1
47196_7196	47196	7196	30.633	37.77	-0.4215	0.0165	-34.164	-1292.31	1
47196_7197	47196	7197	-30.2565	42.0945	0.1935	-0.528	37.4595	1209.296	1
47197_7197	47197	7197	29.6985	28.779	-0.4455	-0.0885	-37.2315	-1295.29	1
47197_7198	47197	7198	-30.312	51.945	0.255	-0.4335	41.5305	1083.084	1
47198_7198	47198	7198	27.3825	29.4825	-0.306	0.648	-39.1395	-1125.79	1
47198_7199	47198	7199	-30.5865	49.1565	0.147	-0.855	45.078	849.243	1
47199_7199	47199	7199	25.1145	23.3565	-0.375	-0.4605	-41.5725	-1224.36	1
47199_7200	47199	7200	-31.3695	61.4475	0.1935	0.0885	47.646	903.9165	1
47200_7200	47200	7200	21.0105	23.331	0.246	-0.555	-41.5695	-991.23	1
47200_7201	47200	7201	-32.1405	58.149	-0.051	-0.0345	47.3595	576.939	1
47201_7201	47201	7201	15.9525	14.238	0.195	1.2495	-35.049	-781.296	1
47201_7202	47201	7202	-33.327	67.9635	-0.1665	-1.968	43.6905	198.786	1
47202_7202	47202	7202	11.3745	9.882	0.0885	-0.0375	-29.3415	-512.456	1
47202_7203	47202	7203	-33.4785	73.2645	0.411	-0.5865	45.8475	-142.877	1
47203_7203	47203	7203	-9.1365	4.7985	-0.024	-0.5505	-1.0605	-257.318	1
47203_7204	47203	7204	-33.3945	84.045	0.3405	-1.749	46.2735	-632.315	1
47204_7204	47204	7204	-34.677	78.663	-0.471	-0.018	-8.4015	269.1045	1
47204_7205	47204	7205	72.153	11.9295	-0.4575	-0.7035	43.6695	495.981	1
47205_7205	47205	7205	-30.1335	71.145	-0.651	0.4785	-7.047	-153.17	1
47205_7206	47205	7206	64.731	16.926	-0.2025	-1.3095	36.609	668.922	1
47206_7206	47206	7206	-26.766	63.516	-0.729	-0.354	-7.2165	-383.372	1
47206_7207	47206	7207	58.476	22.0155	-0.111	-0.069	32.0475	756.018	1
47207_7207	47207	7207	-24.5835	61.743	-0.144	-0.54	-8.4945	-559.172	1
47207_7208	47207	7208	51.5085	22.707	-0.561	-0.522	24.834	845.139	1
47208_7208	47208	7208	-23.5515	53.733	-0.2685	-0.726	-6.1155	-735.836	1
47208_7209	47208	7209	44.6565	28.407	-0.4365	-0.2925	19.1955	905.4195	1
47209_7209	47209	7209	-23.7105	46.1535	-0.411	0.321	-5.5305	-847.824	1
47209_7210	47209	7210	38.1255	34.8945	-0.258	-1.521	15.7815	921.2475	1
47210_7210	47210	7210	-24.6015	50.2425	-0.27	-0.8745	-7.443	-975.65	1
47210_7211	47210	7211	32.769	33.2715	-0.645	-0.234	11.2095	1027.788	1
47211_7211	47211	7211	-26.1135	44.4225	-0.399	-1.047	-8.3865	-1033.32	1
47211_7212	47211	7212	29.4675	38.262	-0.5295	-0.021	8.0655	1038.981	1
47212_7212	47212	7212	-28.287	38.886	-0.5685	0.816	-10.7685	-1055.31	1
47212_7213	47212	7213	26.982	43.7625	-0.3615	-1.92	6.5655	1024.893	1
47213_7213	47213	7213	-31.254	33.8535	-0.6375	-1.326	-14.832	-1051.5	1
47213_7214	47213	7214	25.1745	49.5555	-0.279	0.276	6.204	975.5355	1
47214_7214	47214	7214	-36.1365	35.391	-0.3375	-0.897	-20.157	-952.617	1
47214_7215	47214	7215	24.0075	45.714	-0.432	-0.0645	4.851	855.531	1
47215_7215	47215	7215	-42.144	28.8765	-0.4605	-1.0755	-24.975	-944.718	1
47215_7216	47215	7216	23.478	53.259	-0.3105	0.1725	6.018	753.15	1
47216_7216	47216	7216	-48.4455	23.1315	-0.627	0.039	-31.2975	-891.387	1
47216_7217	47216	7217	24.138	61.2405	-0.1485	-0.9015	9.4215	586.254	1
47217_7217	47217	7217	-54.8655	22.2405	-0.081	1.9485	-39.588	-807.741	1
47217_7218	47217	7218	25.944	63.336	-0.459	0.2445	11.451	417.252	1
47218_7218	47218	7218	-60.5355	17.1315	-0.201	2.286	-44.247	-723.674	1
47218_7219	47218	7219	28.908	70.947	-0.435	-0.591	13.638	193.281	1
47219_7219	47219	7219	-67.212	12.09	0.183	-4.1145	-52.0005	-558.918	1
47219_7220	47219	7220	32.9985	78.444	-0.732	3.162	12.213	-220.524	1
47220_7220	47220	7220	36.258	84.228	0.4065	-0.435	-54.3105	482.7345	1
47220_7221	47220	7221	9.9885	5.9505	0.102	-1.2615	-17.784	191.649	1
47221_7221	47221	7221	37.3005	73.956	0.453	-0.192	-52.005	-21.489	1
47221_7222	47221	7222	-12.0915	10.6935	0.18	1.098	36.6435	609.6735	1
47222_7222	47222	7222	38.193	68.6535	-0.3435	0.7275	-46.851	-388.157	1
47222_7223	47222	7223	-17.274	15.1845	0.1275	-0.441	42.225	886.218	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47223_7223	47223	7223	38.0175	59.307	-0.372	-0.882	-50.91	-783.41	1
47223_7224	47223	7224	-23.1765	23.898	0.312	1.8	50.0835	1113.845	1
47224_7224	47224	7224	37.8915	62.226	0.252	3.51	-54.132	-1127.28	1
47224_7225	47224	7225	-28.1085	24.366	-0.4515	-3.03	49.356	1366.251	1
47225_7225	47225	7225	38.082	49.4505	0.057	-1.329	-49.5285	-1049.28	1
47225_7226	47225	7226	-30.9705	30.1905	-0.327	2.0385	46.3275	1249.77	1
47226_7226	47226	7226	38.3085	50.901	0.351	3.504	-46.716	-1319.35	1
47226_7227	47226	7227	-34.608	31.683	-0.5205	-3	42.9495	1450.262	1
47227_7227	47227	7227	38.313	41.19	0.171	-2.385	-40.7145	-1435.07	1
47227_7228	47227	7228	-36.4575	40.803	-0.39	2.88	39.714	1441.781	1
47228_7228	47228	7228	38.025	43.185	0.159	4.5675	-36.849	-1443.86	1
47228_7229	47228	7229	-37.446	39.1095	-0.3	-3.867	37.032	1461.572	1
47229_7229	47229	7229	37.2495	33.8535	-0.0255	-2.868	-33.054	-1471.19	1
47229_7230	47229	7230	-38.016	48.675	-0.1185	3.4905	36.108	1372.214	1
47230_7230	47230	7230	35.616	34.974	-0.324	4.245	-31.0185	-1392.15	1
47230_7231	47230	7231	-38.292	47.2125	-0.0405	-3.327	35.8785	1271.634	1
47231_7231	47231	7231	32.9805	26.1375	-0.4965	-2.2635	-32.667	-1350.82	1
47231_7232	47231	7232	-38.3535	57.5205	0.1905	2.8995	38.85	1071.87	1
47232_7232	47232	7232	32.184	32.406	0.711	4.368	-38.0715	-1540.59	1
47232_7233	47232	7233	-38.0655	58.71	-0.939	-3.405	37.389	1389.393	1
47233_7233	47233	7233	30.3165	28.104	0.5685	2.0715	-34.707	-1405.42	1
47233_7234	47233	7234	-38.2815	61.047	-0.888	-1.5435	32.3715	1164.18	1
47234_7234	47234	7234	27.3615	22.521	0.375	0.441	-30.1485	-1249.76	1
47234_7235	47234	7235	-38.6205	65.751	-0.846	-0.2295	25.617	882.267	1
47235_7235	47235	7235	25.143	19.1925	0.2175	-1.242	-27.024	-1217.43	1
47235_7236	47235	7236	-38.649	72.588	-0.774	1.377	21.5685	843.7395	1
47236_7236	47236	7236	20.361	16.422	0.762	1.6815	-26.478	-938.885	1
47236_7237	47236	7237	-38.58	71.5005	-0.1905	-0.9885	19.8495	363.378	1
47237_7237	47237	7237	16.611	11.3745	0.771	-0.7665	-17.2035	-766.454	1
47237_7238	47237	7238	-38.361	79.851	-0.189	0.5715	18.1635	96.729	1
47238_7238	47238	7238	12.198	20.5095	-1.479	-0.642	-8.262	-543.797	1
47238_7239	47238	7239	-36.456	67.6995	1.629	0.735	31.9455	-73.062	1
47239_7239	47239	7239	8.91	14.127	-1.341	-2.256	-19.002	-368.285	1
47239_7240	47239	7240	-34.215	75.3405	1.7505	1.3455	49.137	-385.679	1
47240_7240	47240	7240	-44.9745	67.881	0.225	3.9645	-28.3845	-149.457	1
47240_7241	47240	7241	75.579	20.3565	-1.2135	-4.302	49.569	720.9165	1
47241_7241	47241	7241	-40.8165	60.1275	0.1545	1.875	-20.808	-286.991	1
47241_7242	47241	7242	70.35	25.662	-1.3215	-1.62	35.2935	764.2425	1
47242_7242	47242	7242	-38.052	52.8945	0.0345	0.8175	-15.273	-442.008	1
47242_7243	47242	7243	64.374	32.433	-1.251	0.252	22.8975	789.6105	1
47243_7243	47243	7243	-36.462	63.4095	0.306	1.92	-11.1195	-471.902	1
47243_7244	47243	7244	58.3125	22.4985	-0.3765	-2.13	18.492	840.2415	1
47244_7244	47244	7244	-36.597	54.3615	0.225	-0.4515	-5.5035	-736.053	1
47244_7245	47244	7245	50.943	29.0925	-0.585	0.315	10.9605	921.4125	1
47245_7245	47245	7245	-38.4975	49.6005	-0.603	1.6395	-2.8185	-844.155	1
47245_7246	47245	7246	44.9055	32.427	0.2565	-1.4805	11.2725	942.255	1
47246_7246	47246	7246	-41.7735	41.3655	-0.5235	-1.3815	-8.943	-982.728	1
47246_7247	47246	7247	40.029	40.6725	0.2625	1.4895	12.843	970.8195	1
47247_7247	47247	7247	-46.605	38.9925	-0.0885	2.7945	-14.01	-995.825	1
47247_7248	47247	7248	37.437	43.14	-0.504	-2.2455	8.3355	943.788	1
47248_7248	47248	7248	-53.439	31.0725	-0.039	-2.079	-16.86	-974.538	1
47248_7249	47248	7249	36.345	51.5445	-0.5565	2.385	3.8475	802.2855	1
47249_7249	47249	7249	-60.9675	27.8505	-1.332	1.1115	-20.958	-930.657	1
47249_7250	47249	7250	36.9	56.2575	0.306	-0.741	9.366	654.1515	1
47250_7250	47250	7250	-68.1315	21.6615	-1.155	-1.698	-38.1105	-869.465	1
47250_7251	47250	7251	39.1965	65.6835	0.5445	1.6395	20.73	428.25	1
47251_7251	47251	7251	-73.713	32.6325	0.702	2.7345	-51.579	-811.425	1
47251_7252	47251	7252	43.068	54.954	-0.4815	-0.564	25.2615	405.1605	1
47252_7252	47252	7252	-79.8435	25.494	0.942	-1.1565	-49.1925	-751.29	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47252_7253	47252	7253	47.3805	61.401	-0.8475	1.638	21.6915	181.9365	1
47253_7253	47253	7253	28.884	65.3805	0.9975	-3.5895	-39.954	53.8905	1
47253_7254	47253	7254	-5.7945	26.0475	-1.014	1.2645	19.1115	463.6035	1
47254_7254	47254	7254	31.8	72.411	-1.5525	-0.354	-36.2835	151.245	1
47254_7255	47254	7255	-9.336	14.2065	0.9075	-0.0945	31.989	567.075	1
47255_7255	47255	7255	32.517	64.683	-1.6365	-0.294	-56.406	-199.472	1
47255_7256	47255	7256	-12.705	21.489	1.185	1.1055	50.0565	765.3315	1
47256_7256	47256	7256	34.17	77.463	0.7725	1.14	-73.8465	-407.876	1
47256_7257	47256	7257	-16.677	14.3895	-0.543	-1.0485	51.6795	989.1345	1
47257_7257	47257	7257	34.236	72.081	0.7005	-0.2175	-66.678	-788.072	1
47257_7258	47257	7258	-19.98	19.4025	-0.585	0.585	52.272	1192.965	1
47258_7258	47258	7258	34.506	68.1615	0.651	-0.888	-61.404	-1072.77	1
47258_7259	47258	7259	-22.416	23.8095	-0.636	1.695	51.5505	1347.81	1
47259_7259	47259	7259	35.241	67.7865	0.3705	3.9495	-57.8805	-1075.87	1
47259_7260	47259	7260	-24.2355	22.065	-0.333	-3.2865	50.385	1378.779	1
47260_7260	47260	7260	36.1215	60.5175	0.261	-0.138	-54.198	-1230.64	1
47260_7261	47260	7261	-26.631	26.9235	-0.2775	0.6885	49.896	1458.206	1
47261_7261	47261	7261	37.257	53.841	0.237	-1.605	-50.6145	-1412.77	1
47261_7262	47261	7262	-28.938	33.222	-0.2625	2.505	49.3545	1541.909	1
47262_7262	47262	7262	38.7045	53.337	0.528	2.616	-46.5795	-1369.2	1
47262_7263	47262	7263	-30.9	30.963	-0.498	-2.0955	44.4135	1511.751	1
47263_7263	47263	7263	39.852	43.9905	0.447	-1.119	-37.566	-1508.64	1
47263_7264	47263	7264	-33.3105	39.6825	-0.4605	1.587	39.582	1532.378	1
47264_7264	47264	7264	40.557	44.4165	0.096	4.263	-29.4555	-1532.09	1
47264_7265	47264	7265	-35.3025	39.3195	-0.2685	-3.474	35.7	1545.123	1
47265_7265	47265	7265	40.5765	35.652	-0.0615	-2.352	-25.2945	-1581.25	1
47265_7266	47265	7266	-37.035	48.72	-0.108	3.063	33.645	1487.51	1
47266_7266	47266	7266	39.6615	36.03	0.135	3.9315	-22.7265	-1525.37	1
47266_7267	47266	7267	-38.502	48.5355	-0.4455	-3.108	27.657	1404.933	1
47267_7267	47267	7267	37.6785	27.8115	-0.045	-1.254	-18.42	-1476.96	1
47267_7268	47267	7268	-39.7215	57.957	-0.2925	1.8435	23.3775	1218.056	1
47268_7268	47268	7268	36.819	32.337	1.35	6.5145	-18.243	-1630.7	1
47268_7269	47268	7269	-40.554	59.499	-1.455	-5.139	17.13	1468.866	1
47269_7269	47269	7269	33.7905	25.761	1.1325	2.5935	-11.3415	-1377.71	1
47269_7270	47269	7270	-41.256	62.3595	-1.392	-1.8705	3.3045	1046.001	1
47270_7270	47270	7270	29.8965	19.749	0.876	-1.029	0.054	-1225.56	1
47270_7271	47270	7271	-42.36	69.777	-1.335	1.4775	-11.5275	768.168	1
47271_7271	47271	7271	24.603	16.6905	1.395	3.576	6.75	-972.596	1
47271_7272	47271	7272	-43.245	72.1365	-2.0445	-2.367	-37.6365	362.7465	1
47272_7272	47272	7272	19.3035	10.689	0.903	-0.891	17.2995	-719.18	1
47272_7273	47272	7273	-43.4985	80.916	-1.887	1.275	-60.2325	-73.5465	1
47273_7273	47273	7273	15.2655	26.247	-4.3665	0.333	23.3025	-646.689	1
47273_7274	47273	7274	-40.104	66.909	8.5665	-3.381	-9.582	166.2345	1
47274_7274	47274	7274	12.0555	21.318	-3.363	-1.8855	-3.1005	-498.534	1
47274_7275	47274	7275	-39.585	70.5495	8.3085	-2.178	58.1775	-107.579	1
47275_7275	47275	7275	-45.6945	57.054	-2.496	0.567	-22.017	-407.709	1
47275_7276	47275	7276	73.182	33.666	5.346	7.629	81.4485	842.901	1
47276_7276	47276	7276	-43.4535	66.6345	0.7575	2.4735	-30.2865	-518.024	1
47276_7277	47276	7277	69.585	23.4435	-2.274	-2.8725	68.166	932.2275	1
47277_7277	47277	7277	-39.8325	57.0795	0.3795	1.098	-15.1815	-342.36	1
47277_7278	47277	7278	66.8145	26.295	-2.271	-1.0845	41.9235	818.307	1
47278_7278	47278	7278	-38.256	48.714	0.096	-0.849	-4.5555	-524.766	1
47278_7279	47278	7279	60.0735	34.2585	-2.1	1.8765	17.076	844.7115	1
47279_7279	47279	7279	-38.502	52.0815	-0.6645	2.4645	0.5415	-505.704	1
47279_7280	47279	7280	53.6625	28.8045	0.6675	-2.655	22.632	816.882	1
47280_7280	47280	7280	-41.481	40.8855	-0.4665	-1.398	-2.7795	-631.58	1
47280_7281	47280	7281	46.233	37.644	0.474	1.7445	25.17	756.957	1
47281_7281	47281	7281	-47.2245	41.2125	-0.096	1.4505	-3.339	-635.138	1
47281_7282	47281	7282	40.8	37.146	-0.6255	-1.143	14.0775	702.831	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47282_7282	47282	7282	-54.7755	32.0445	-0.096	-1.224	-1.998	-722.217	1
47282_7283	47282	7283	38.2515	48.273	-0.567	1.5855	5.592	606.2265	1
47283_7283	47283	7283	-63.363	36.8925	-1.302	2.085	-1.9545	-732.129	1
47283_7284	47283	7284	38.4915	43.3095	0.024	-1.1925	5.7255	570.6945	1
47284_7284	47284	7284	-71.3685	29.382	-1.242	-1.8555	-17.3505	-809.016	1
47284_7285	47284	7285	40.9125	53.1675	0.132	2.0565	9.501	474.612	1
47285_7285	47285	7285	-77.9415	35.7225	0.744	2.127	-31.8285	-828.786	1
47285_7286	47285	7286	44.8215	50.5185	-0.369	-0.717	11.1975	452.262	1
47286_7286	47286	7286	-83.166	30.117	0.9105	0.4065	-27.2625	-883.872	1
47286_7287	47286	7287	49.4445	57.621	-0.534	0.0045	10.5465	389.6415	1
47287_7287	47287	7287	-88.335	24.8355	1.1265	-1.5645	-21.7935	-857.345	1
47287_7288	47287	7288	54.5385	64.203	-0.7365	1.3335	6.777	221.9835	1
47288_7288	47288	7288	12.7455	73.0395	-0.951	0.3825	-10.272	41.5125	1
47288_7289	47288	7289	-2.3385	13.8045	0.756	0.1035	11.5665	479.355	1
47289_7289	47289	7289	11.3955	64.188	-0.93	-1.335	-23.598	-410.283	1
47289_7290	47289	7290	-2.913	21.6945	0.903	2.4285	24.6615	737.01	1
47290_7290	47290	7290	10.491	69.867	-0.237	1.44	-34.368	-794.816	1
47290_7291	47290	7291	-4.2555	19.4145	-0.105	-0.9285	27.285	1036.604	1
47291_7291	47291	7291	9.18	62.883	-0.2775	1.0665	-36.51	-939.621	1
47291_7292	47291	7292	-4.902	24.5205	-0.0375	-0.636	29.175	1136.834	1
47292_7292	47292	7292	8.1765	59.6175	-0.3015	-3.849	-38.772	-1296.98	1
47292_7293	47292	7293	-5.6745	31.2345	0.075	4.806	32.529	1370.321	1
47293_7293	47293	7293	7.6395	70.7565	0.525	3.501	-39.8775	-1251.97	1
47293_7294	47293	7294	-6.2805	19.9605	-0.483	-2.6265	30.4095	1412.718	1
47294_7294	47294	7294	7.389	63.4605	0.4605	0.6435	-35.8455	-1402.04	1
47294_7295	47294	7295	-6.6555	24.6495	-0.519	-0.135	27.6315	1516.719	1
47295_7295	47295	7295	7.3785	57.735	0.381	-3.0885	-31.9095	-1657.54	1
47295_7296	47295	7296	-6.945	30.87	-0.552	3.7755	25.119	1680.558	1
47296_7296	47296	7296	7.3515	60.0495	0.4155	3.3915	-29.598	-1619.91	1
47296_7297	47296	7297	-7.1145	26.4375	-0.276	-2.568	23.061	1709.727	1
47297_7297	47297	7297	7.3155	51.0135	0.4215	-1.98	-24.678	-1803.58	1
47297_7298	47297	7298	-7.299	34.308	-0.291	2.547	20.6505	1809.618	1
47298_7298	47298	7298	7.2735	55.542	0.27	5.4195	-19.0515	-1909.13	1
47298_7299	47298	7299	-7.3815	31.0575	-0.2925	-4.305	17.6595	1969.598	1
47299_7299	47299	7299	7.2195	45.9075	0.2355	-2.895	-14.9955	-1989.62	1
47299_7300	47299	7300	-7.3845	39.3375	-0.2685	3.7545	14.241	1990.637	1
47300_7300	47300	7300	7.1445	50.922	0.3285	4.7805	-11.016	-2033.79	1
47300_7301	47300	7301	-7.359	35.4915	-0.375	-3.9945	9.411	2118.482	1
47301_7301	47301	7301	7.017	42.1785	0.2865	-2.9925	-6.204	-2126.68	1
47301_7302	47301	7302	-7.323	44.3985	-0.3525	3.7845	4.887	2144.624	1
47302_7302	47302	7302	6.7815	46.8855	0.1605	5.112	-2.268	-2036.48	1
47302_7303	47302	7303	-7.281	38.937	-0.2295	-4.4865	1.536	2157.374	1
47303_7303	47303	7303	6.456	38.4045	0.1215	-3.7245	0.0645	-2104.25	1
47303_7304	47303	7304	-7.227	48.282	-0.1905	4.6965	-0.912	2175.518	1
47304_7304	47304	7304	5.943	42.708	0.048	4.869	1.446	-1960.03	1
47304_7305	47304	7305	-7.155	42.126	-0.114	-4.632	-2.3745	2158.146	1
47305_7305	47305	7305	5.1435	32.265	0.0135	-2.817	1.77	-1808.16	1
47305_7306	47305	7306	-7.0365	50.8065	-0.0795	3.921	-3.333	2016.911	1
47306_7306	47306	7306	4.032	31.6095	-0.048	4.035	1.539	-1529.3	1
47306_7307	47306	7307	-6.8235	47.1075	0.0825	-4.44	-2.088	1936.941	1
47307_7307	47307	7307	2.7105	19.95	-0.0435	-2.2215	0.681	-1181.56	1
47307_7308	47307	7308	-6.489	57.036	0.099	4.2615	-0.6405	1693.427	1
47308_7308	47308	7308	1.713	15.0825	0.105	2.196	0.0675	-791.607	1
47308_7309	47308	7309	-5.979	58.1775	-0.5055	-3.462	-6.531	1378.566	1
47309_7309	47309	7309	0.99	8.052	0.0885	-0.978	1.203	-505.703	1
47309_7310	47309	7310	-5.211	70.329	-0.3675	3.0855	-9.3375	853.311	1
47310_7310	47310	7310	-3.1365	3.9405	3.498	-0.186	-46.7985	39.231	1
47310_7311	47310	7311	-4.122	79.7595	0.5475	-0.255	0	-26.094	1

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
7000_7000	7000	7000	-0.999	-4.8315	0.225	0.1365	0	-3.798	1
7000_7001	7000	7001	63.3375	-75.3675	0.0885	0.063	0.9345	486.51	1
7001_7001	7001	7001	-37.401	-7.6755	-0.0105	-0.015	-0.117	-284.735	1
7001_7002	7001	7002	102.849	-64.251	0.1185	0.0735	2.361	787.623	1
7002_7002	7002	7002	-60.7395	-10.821	0.018	0.018	-0.537	-462.789	1
7002_7003	7002	7003	140.259	-58.3815	-0.0975	-0.0105	1.8435	1072.661	1
7003_7003	7003	7003	-87.342	-18.642	0.027	-0.102	-0.528	-665.376	1
7003_7004	7003	7004	159.501	-47.3955	-0.1095	0.207	0.8895	1219.418	1
7004_7004	7004	7004	-121.805	-22.455	-0.003	0.123	-0.3165	-929.022	1
7004_7005	7004	7005	177.0195	-49.785	0.0015	-0.1575	1.167	1352.684	1
7005_7005	7005	7005	-152.348	-33.6255	-0.0045	-0.27	-0.522	-1162.74	1
7005_7006	7005	7006	182.2275	-40.5045	0.0015	0.336	1.428	1392.395	1
7006_7006	7006	7006	-166.448	-31.1835	-0.0165	0.1455	-0.762	-1271.09	1
7006_7007	7006	7007	191.613	-45.873	0.0225	-0.1545	1.9605	1463.585	1
7007_7007	7007	7007	-180.885	-40.6185	-0.018	-0.3435	-1.191	-1381.44	1
7007_7008	7007	7008	190.671	-37.1085	0.0255	0.3705	2.538	1456.394	1
7008_7008	7008	7008	-183.555	-35.3385	-0.045	0.153	-1.677	-1402.19	1
7008_7009	7008	7009	195.1785	-42.831	0.051	-0.1725	3.453	1490.444	1
7009_7009	7009	7009	-190.802	-44.298	-0.048	-0.3645	-2.5365	-1457.36	1
7009_7010	7009	7010	189.8385	-34.152	0.0525	0.3555	4.35	1449.836	1
7010_7010	7010	7010	-187.628	-38.685	-0.039	0.1485	-3.459	-1433.36	1
7010_7011	7010	7011	189.8085	-39.3735	0.0405	-0.174	5.0745	1449.468	1
7011_7011	7011	7011	-189.669	-47.649	-0.042	-0.333	-4.2765	-1448.79	1
7011_7012	7011	7012	180.1575	-30.699	0.0405	0.303	5.736	1376.147	1
7012_7012	7012	7012	-181.478	-42.6375	-0.087	0.18	-5.082	-1386.59	1
7012_7013	7012	7013	174.5145	-34.8135	0.0735	-0.207	6.729	1333.133	1
7013_7013	7013	7013	-177.951	-51.771	-0.0885	-0.2955	-6.4095	-1359.74	1
7013_7014	7013	7014	160.941	-26.301	0.069	0.2535	7.4745	1229.817	1
7014_7014	7014	7014	-164.075	-48.3585	-0.054	0.0615	-7.641	-1254.42	1
7014_7015	7014	7015	145.482	-25.989	0.0765	-0.0705	8.286	1111.764	1
7015_7015	7015	7015	-160.341	-60.8685	-0.0465	-0.0465	-5.97	-1154.76	1
7015_7016	7015	7016	140.439	-19.968	0.0495	0.0375	5.838	1034.232	1
7016_7016	7016	7016	-139.469	-56.823	0	0.099	-6.3765	-1040.62	1
7016_7017	7016	7017	112.2015	-20.4585	-0.0135	-0.12	5.253	917.0535	1
7017_7017	7017	7017	-107.36	-66.7815	0.0105	0.057	-6.2475	-921.959	1
7017_7018	7017	7018	70.572	-11.8635	-0.0075	-0.045	4.6065	714.7515	1
7018_7018	7018	7018	-62.3235	-71.2515	-0.033	0.108	-5.7435	-691.815	1
7018_7019	7018	7019	38.1735	-8.2665	-0.0135	-0.1275	3.963	489.03	1
7019_7019	7019	7019	-25.863	-82.1325	-0.0255	0.1485	-5.763	-442.832	1
7019_7020	7019	7020	12.894	-2.4705	-0.024	-0.075	2.874	218.2245	1
7020_7020	7020	7020	-105.564	-11.1435	0.0345	0.0945	-6.678	-391.065	1
7020_7021	7020	7021	59.811	-71.6145	0.06	-0.0465	2.349	275.34	1
7021_7021	7021	7021	-112.799	-15.7635	0.0165	0.0435	-4.4445	-475.851	1
7021_7022	7021	7022	74.7525	-64.113	0.057	-0.0255	1.68	388.842	1
7022_7022	7022	7022	-117.629	-20.616	0.0105	-0.018	-3.921	-539.343	1
7022_7023	7022	7023	85.7445	-56.7795	0.0645	0.0075	1.6425	478.2615	1
7023_7023	7023	7023	-119.703	-20.946	0.0615	0.078	-3.5175	-587.334	1
7023_7024	7023	7024	98.4525	-55.605	-0.0075	-0.042	1.095	573.6945	1
7024_7024	7024	7024	-122.655	-26.382	0.057	0.015	-2.7345	-640.487	1
7024_7025	7024	7025	106.1625	-47.9895	0.003	0.0195	0.699	630.462	1
7025_7025	7025	7025	-122.436	-32.598	0.048	0.0105	-2.046	-670.449	1
7025_7026	7025	7026	109.3185	-40.86	0.0135	0.0225	0.477	651.5235	1
7026_7026	7026	7026	-119.366	-30.2415	0.0525	0.0675	-1.491	-675.339	1
7026_7027	7026	7027	114.705	-45.6405	0.024	-0.0345	0.4365	684.279	1
7027_7027	7027	7027	-119.961	-34.9665	0.0435	0.0825	-1.0875	-694.907	1
7027_7028	7027	7028	117.2265	-40.1175	0.036	-0.042	0.5295	695.184	1
7028_7028	7028	7028	-119.193	-40.1985	0.036	-0.0345	-0.7995	-701.397	1
7028_7029	7028	7029	117.222	-34.8855	0.0435	0.075	0.732	686.3655	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
7029_7029	7029	7029	-115.94	-45.7335	0.024	-0.039	-0.618	-688.08	1
7029_7030	7029	7030	115.77	-30.174	0.0525	0.0705	1.047	664.5585	1
7030_7030	7030	7030	-109.847	-40.872	0.018	0.0285	-0.5685	-652.856	1
7030_7031	7030	7031	117.5775	-32.5365	0.0465	0.0045	1.4775	656.7315	1
7031_7031	7031	7031	-105.845	-48.012	0.006	0.0195	-0.6435	-628.947	1
7031_7032	7031	7032	116.361	-26.3175	0.0555	0.0165	2.0505	623.8845	1
7032_7032	7032	7032	-97.257	-55.647	-0.003	-0.048	-0.8925	-569.172	1
7032_7033	7032	7033	111.9285	-20.8905	0.06	0.084	2.724	568.011	1
7033_7033	7033	7033	-83.6205	-56.712	0.0615	-0.0285	-1.2945	-470.747	1
7033_7034	7033	7034	108.393	-20.5845	0.018	0.054	3.1035	517.548	1
7034_7034	7034	7034	-71.697	-64.0695	0.0465	0.0075	-1.2615	-378.873	1
7034_7035	7034	7035	102.144	-15.717	0.039	-0.0045	3.732	451.3035	1
7035_7035	7035	7035	-55.491	-71.622	0.0525	-0.0375	-1.8585	-263.498	1
7035_7036	7035	7036	92.799	-11.0925	0.063	0.108	6.162	364.776	1
7036_7036	7036	7036	-19.4565	-5.6265	0.012	0.081	-0.636	-243.333	1
7036_7037	7036	7037	0.063	-78.897	-0.0195	0.186	4.1085	335.592	1
7037_7037	7037	7037	-25.3005	-9.195	-0.021	-0.081	-2.808	-436.569	1
7037_7038	7037	7038	28.6695	-67.947	-0.0225	0.108	4.1505	541.9215	1
7038_7038	7038	7038	-51.0885	-12.849	-0.018	-0.036	-3.3705	-638.316	1
7038_7039	7038	7039	64.4085	-63.414	0.021	0.0705	4.7265	726.411	1
7039_7039	7039	7039	-84.21	-21.411	-0.0315	-0.141	-4.0035	-808.913	1
7039_7040	7039	7040	89.0445	-53.694	0.0195	0.1185	5.0415	806.8935	1
7040_7040	7040	7040	-104.106	-20.913	0.0255	0.0675	-4.6725	-891.737	1
7040_7041	7040	7041	105.51	-57.7065	0.0015	-0.0495	5.0235	893.454	1
7041_7041	7041	7041	-130.961	-26.5335	0.006	-0.06	-2.202	-892.86	1
7041_7042	7041	7042	133.3455	-44.4735	0.0045	0.0585	2.4015	902.7645	1
7042_7042	7042	7042	-138.74	-25.506	0.0195	0.0525	-2.286	-945.326	1
7042_7043	7042	7043	148.485	-48.3345	-0.0105	-0.0465	2.2275	988.773	1
7043_7043	7043	7043	-149.529	-34.308	0.0165	-0.081	-2.1555	-1010.15	1
7043_7044	7043	7044	151.59	-38.6955	-0.0045	0.0825	2.13	1002.891	1
7044_7044	7044	7044	-151.19	-29.5905	0.0075	0.033	-2.0475	-1016.21	1
7044_7045	7044	7045	161.1675	-43.5405	-0.0015	-0.0195	2.0745	1057.883	1
7045_7045	7045	7045	-159.581	-38.793	0.0045	-0.033	-2.0325	-1061.72	1
7045_7046	7045	7046	158.4405	-34.056	0	0.0465	2.0445	1040.12	1
7046_7046	7046	7046	-156.738	-33.5415	0	0.0705	-2.028	-1038.95	1
7046_7047	7046	7047	162.6915	-39.18	0.0075	-0.0675	2.0835	1066.013	1
7047_7047	7047	7047	-161.153	-43.044	-0.0045	-0.069	-2.0835	-1061	1
7047_7048	7047	7048	155.406	-29.919	0.0105	0.072	2.1465	1022.558	1
7048_7048	7048	7048	-153.231	-38.0715	-0.009	0.0495	-2.184	-1009.97	1
7048_7049	7048	7049	154.458	-34.497	0.0165	-0.0375	2.271	1017.044	1
7049_7049	7049	7049	-151.796	-47.7855	-0.012	-0.018	-2.331	-1000.01	1
7049_7050	7049	7050	144.165	-25.629	0.018	0.03	2.3835	952.5975	1
7050_7050	7050	7050	-137.936	-43.8195	0.0015	0.051	-2.52	-916.265	1
7050_7051	7050	7051	136.6635	-26.565	0.015	-0.051	2.4165	900.3135	1
7051_7051	7051	7051	-118.182	-57.171	-0.0045	-0.045	-2.9955	-872.979	1
7051_7052	7051	7052	116.5635	-20.667	0.021	0.0585	2.8785	864.03	1
7052_7052	7052	7052	-101.127	-53.001	0.0135	0.1005	-3.0735	-787.227	1
7052_7053	7052	7053	96.009	-21.3795	-0.0195	-0.123	2.451	789.141	1
7053_7053	7053	7053	-68.271	-63.1755	0.0225	0.0735	-3.9345	-751.814	1
7053_7054	7053	7054	55.3155	-12.8625	-0.015	-0.033	2.8125	663.882	1
7054_7054	7054	7054	-33.7905	-67.8675	-0.0345	0.117	-3.414	-563.169	1
7054_7055	7054	7055	29.6265	-9.0225	-0.006	-0.1215	2.484	460.8465	1
7055_7055	7055	7055	-5.787	-79.1325	-0.0315	0.1995	-3.5805	-352.647	1
7055_7056	7055	7056	25.506	-4.1295	-0.009	0.1515	-0.771	202.323	1
7056_7056	7056	7056	-97.095	-11.1105	0.03	0.174	-4.509	-389.48	1
7056_7057	7056	7057	64.647	-70.914	0.0465	-0.1065	1.437	326.22	1
7057_7057	7057	7057	-105.876	-16.0395	0.0195	0.09	-3.3525	-496.847	1
7057_7058	7057	7058	78.21	-63.522	0.051	-0.0465	1.215	452.4	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
7058_7058	7058	7058	-111.996	-21.114	0.012	-0.0435	-2.9025	-573.476	1
7058_7059	7058	7059	88.3935	-56.127	0.057	0.03	1.2615	545.292	1
7059_7059	7059	7059	-115.103	-21.456	0.0465	0.2265	-2.5845	-630.926	1
7059_7060	7059	7060	100.164	-55.4265	-0.006	-0.165	0.864	644.781	1
7060_7060	7060	7060	-118.851	-26.997	0.0435	0.0765	-2.019	-692.471	1
7060_7061	7060	7061	107.2245	-47.8425	0.0015	-0.0015	0.5775	703.104	1
7061_7061	7061	7061	-119.477	-33.324	0.0405	-0.0915	-1.5075	-728.537	1
7061_7062	7061	7062	110.0355	-40.7595	0.009	0.138	0.4095	723.66	1
7062_7062	7062	7062	-117.246	-30.741	0.039	0.219	-1.0755	-736.77	1
7062_7063	7062	7063	115.095	-45.9165	0.021	-0.1365	0.4065	757.965	1
7063_7063	7063	7063	-118.251	-35.481	0.0345	0.0015	-0.795	-759.822	1
7063_7064	7063	7064	117.516	-40.404	0.0255	0.1035	0.4875	769.263	1
7064_7064	7064	7064	-117.9	-40.722	0.0255	0.003	-0.5835	-768.614	1
7064_7065	7064	7065	117.582	-35.187	0.0345	0.0945	0.6675	759.5505	1
7065_7065	7065	7065	-115.191	-46.2375	0.018	-0.027	-0.471	-756.294	1
7065_7066	7065	7066	116.3145	-30.4695	0.042	0.114	0.9375	735.7905	1
7066_7066	7066	7066	-109.824	-40.9935	0.0045	0.0315	-0.4545	-720.84	1
7066_7067	7066	7067	118.23	-33.0615	0.039	0.0735	1.3335	726.918	1
7067_7067	7067	7067	-106.668	-48.096	-0.0045	0.0135	-0.606	-699.224	1
7067_7068	7067	7068	117.3285	-26.7615	0.0465	0.09	1.824	690.6495	1
7068_7068	7068	7068	-99.249	-55.6935	-0.012	-0.015	-0.8865	-639.753	1
7068_7069	7068	7069	113.3745	-21.249	0.0525	0.114	2.3985	629.373	1
7069_7069	7069	7069	-87.0795	-56.3295	0.0555	0.0285	-1.2885	-538.94	1
7069_7070	7069	7070	110.1855	-20.985	0.015	-0.009	2.7	573.3	1
7070_7070	7070	7070	-76.6185	-63.7305	0.048	-0.0585	-1.215	-445.533	1
7070_7071	7070	7071	104.13	-15.9645	0.0225	0.1305	3.1395	498.879	1
7071_7071	7071	7071	-62.526	-71.1705	0.0435	-0.069	-1.4985	-320.46	1
7071_7072	7071	7072	95.3805	-11.136	0.042	0.1425	4.554	397.2105	1
7072_7072	7072	7072	-14.2695	-5.0055	0.006	0.0795	-1.014	-196.791	1
7072_7073	7072	7073	5.763	-78.5235	-0.027	0.2235	3.33	383.6145	1
7073_7073	7073	7073	-27.543	-9.1455	-0.0075	-0.0975	-2.3865	-463.385	1
7073_7074	7073	7074	35.3655	-67.3005	-0.03	0.1305	3.1785	603.7635	1
7074_7074	7074	7074	-53.265	-12.9795	-0.015	-0.0495	-2.6835	-672.483	1
7074_7075	7074	7075	71.967	-62.739	0.027	0.0915	3.7185	801.3405	1
7075_7075	7075	7075	-94.686	-21.612	-0.021	-0.111	-2.34	-803.31	1
7075_7076	7075	7076	107.7765	-52.6755	0.0165	0.1035	2.9475	842.412	1
7076_7076	7076	7076	-116.277	-20.757	0.021	0.0195	-2.772	-884.687	1
7076_7077	7076	7077	126.8475	-57.0645	-0.0075	-0.006	2.8545	937.443	1
7077_7077	7077	7077	-120.423	-27.0195	0.027	-0.0945	-3.8865	-978.903	1
7077_7078	7077	7078	130.2075	-45.3645	0.0015	0.12	4.023	1036.392	1
7078_7078	7078	7078	-129.236	-25.8945	0.024	0.057	-3.756	-1046.45	1
7078_7079	7078	7079	143.61	-49.344	-0.024	-0.03	3.7305	1126.562	1
7079_7079	7079	7079	-139.976	-34.3215	0.0225	-0.102	-3.621	-1122.43	1
7079_7080	7079	7080	147.3555	-40.2975	-0.0195	0.129	3.459	1148.232	1
7080_7080	7080	7080	-143.79	-29.643	0.0075	0.0825	-3.4365	-1144.07	1
7080_7081	7080	7081	156.201	-45.4875	0	-0.06	3.414	1208.853	1
7081_7081	7081	7081	-152.823	-38.3355	0.003	-0.1065	-3.4185	-1202.16	1
7081_7082	7081	7082	155.2425	-36.552	0.003	0.1275	3.399	1200.593	1
7082_7082	7082	7082	-152.925	-32.7435	0.006	0.096	-3.423	-1195.7	1
7082_7083	7082	7083	159.9165	-41.52	0.003	-0.075	3.3675	1235.58	1
7083_7083	7083	7083	-159.15	-42.219	0.003	-0.075	-3.393	-1234.54	1
7083_7084	7083	7084	153.546	-32.1	0.006	0.096	3.375	1192.718	1
7084_7084	7084	7084	-154.23	-37.125	-0.0045	0.1155	-3.399	-1194.79	1
7084_7085	7084	7085	153.426	-37.6995	0.012	-0.0915	3.4515	1196.258	1
7085_7085	7085	7085	-155.052	-46.1115	-0.0075	-0.0555	-3.4935	-1199.28	1
7085_7086	7085	7086	144.507	-29.0715	0.0135	0.0795	3.5355	1136.285	1
7086_7086	7086	7086	-146.025	-40.7505	-0.0225	0.198	-3.6195	-1134.58	1
7086_7087	7086	7087	141.0165	-33.858	0.027	-0.1935	3.735	1114.638	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
7087_7087	7087	7087	-142.305	-49.8465	-0.027	-0.1245	-3.909	-1110.33	1
7087_7088	7087	7088	130.3665	-25.4655	0.0285	0.132	3.9075	1037.849	1
7088_7088	7088	7088	-129.008	-45.69	-0.0015	0.147	-4.2315	-1018.13	1
7088_7089	7088	7089	122.316	-27.135	0.0255	-0.141	3.9915	975.21	1
7089_7089	7089	7089	-114.77	-57.273	-0.0105	-0.096	-3.864	-985.661	1
7089_7090	7089	7090	107.136	-21.012	0.027	0.1095	3.651	939.9735	1
7090_7090	7090	7090	-97.842	-52.7715	0.0135	0.147	-3.9705	-887.955	1
7090_7091	7090	7091	87.1785	-21.6645	-0.018	-0.162	3.177	849.9135	1
7091_7091	7091	7091	-72.1335	-62.8035	0.021	0.105	-4.7295	-803.907	1
7091_7092	7091	7092	53.529	-12.6915	-0.0105	-0.06	3.471	671.703	1
7092_7092	7092	7092	-36.42	-67.215	-0.039	0.126	-4.1955	-604.652	1
7092_7093	7092	7093	28.0575	-8.946	-0.0075	-0.123	3.0795	459.2565	1
7093_7093	7093	7093	-7.398	-78.6705	-0.036	0.195	-4.3905	-382.194	1
7093_7094	7093	7094	15.708	-4.9995	0	0.114	0.129	212.2125	1
7094_7094	7094	7094	-95.517	-11.067	0.042	0.1575	-5.262	-394.368	1
7094_7095	7094	7095	63.2235	-70.6185	0.054	-0.093	1.692	325.7355	1
7095_7095	7095	7095	-100.905	-16.0455	0.033	0.1065	-4.9545	-511.314	1
7095_7096	7095	7096	73.8945	-63.267	0.075	-0.0525	1.8465	464.055	1
7096_7096	7096	7096	-106.284	-21.198	0.0225	-0.045	-4.269	-589.319	1
7096_7097	7096	7097	83.0775	-55.7025	0.087	0.036	1.9455	558.999	1
7097_7097	7097	7097	-108.798	-21.375	0.0765	0.2385	-3.789	-647.478	1
7097_7098	7097	7098	93.9345	-55.356	-0.018	-0.171	1.2975	662.2755	1
7098_7098	7098	7098	-112.046	-26.9955	0.075	0.0825	-2.901	-711.128	1
7098_7099	7098	7099	100.3125	-47.6475	-0.0075	-0.0015	0.8115	721.9905	1
7099_7099	7099	7099	-112.362	-33.444	0.069	-0.1005	-2.088	-748.193	1
7099_7100	7099	7100	102.6855	-40.4775	0.003	0.15	0.5085	742.0095	1
7100_7100	7100	7100	-109.997	-30.5175	0.066	0.1095	-1.3815	-755.831	1
7100_7101	7100	7101	107.4975	-46.155	0.027	0.0285	0.5115	778.8735	1
7101_7101	7101	7101	-110.903	-35.2965	0.06	-0.1665	-0.933	-780.491	1
7101_7102	7101	7102	109.8015	-40.5525	0.036	0.3075	0.645	791.391	1
7102_7102	7102	7102	-110.553	-40.605	0.036	0.3	-0.597	-790.307	1
7102_7103	7102	7103	109.881	-35.2455	0.0585	-0.1605	0.993	781.6935	1
7103_7103	7103	7103	-107.975	-46.2105	0.0285	0.0375	-0.4755	-777.911	1
7103_7104	7103	7104	108.7125	-30.468	0.0675	0.102	1.458	757.167	1
7104_7104	7104	7104	-102.888	-40.4865	0.0015	0.1215	-0.483	-741.167	1
7104_7105	7104	7105	110.7375	-33.3825	0.072	-0.042	2.2065	749.673	1
7105_7105	7105	7105	-100.173	-47.667	-0.009	-0.0435	-0.8175	-721.539	1
7105_7106	7105	7106	110.079	-26.928	0.078	0.1455	3.069	712.626	1
7106_7106	7106	7106	-93.441	-55.3845	-0.024	-0.057	-1.341	-662.112	1
7106_7107	7106	7107	106.4955	-21.303	0.087	0.1455	4.065	648.93	1
7107_7107	7107	7107	-82.2135	-55.662	0.09	-0.0135	-2.0625	-558.998	1
7107_7108	7107	7108	103.6815	-21.144	0.015	0.0585	4.5255	590.8545	1
7108_7108	7108	7108	-72.7245	-63.24	0.075	-0.015	-1.971	-464.543	1
7108_7109	7108	7109	97.986	-15.969	0.0345	0.066	5.2515	512.5515	1
7109_7109	7109	7109	-61.5285	-70.6485	0.0555	-0.066	-1.8945	-327.207	1
7109_7110	7109	7110	92.0415	-10.986	0.045	0.141	5.76	396.195	1
7110_7110	7110	7110	-13.5945	-3.1725	-0.003	0.0855	0.09	-152.393	1
7110_7111	7110	7111	5.6535	-77.4075	-0.0405	0.213	4.959	395.2095	1
7111_7111	7111	7111	-27.033	-9.456	-0.0045	-0.1275	-3.411	-471.884	1
7111_7112	7111	7112	33.378	-65.76	-0.0435	0.1275	4.7895	604.9095	1
7112_7112	7112	7112	-51.807	-13.2495	-0.0015	-0.0765	-3.84	-679.748	1
7112_7113	7112	7113	67.092	-61.3155	0.003	0.1305	5.145	789.3975	1
7113_7113	7113	7113	-84.2835	-22.3545	-0.009	-0.1335	-3.414	-849.767	1
7113_7114	7113	7114	90.594	-51.1575	-0.0015	0.123	4.1565	858.072	1
7114_7114	7114	7114	-102.497	-21.615	0.0315	-0.006	-3.786	-928.974	1
7114_7115	7114	7115	105.924	-55.767	-0.018	0.042	3.9975	945.141	1
7115_7115	7115	7115	-126.905	-27.6495	0.024	-0.0315	-3.072	-902.223	1
7115_7116	7115	7116	128.7105	-43.278	-0.012	0.051	3.135	909.2715	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
7116_7116	7116	7116	-132.927	-25.8555	0.0285	0.045	-2.9445	-945.357	1
7116_7117	7116	7117	141.3585	-47.724	-0.0285	-0.0285	2.7795	985.719	1
7117_7117	7117	7117	-142.361	-34.449	0.0285	-0.06	-2.718	-1005.56	1
7117_7118	7117	7118	143.544	-38.394	-0.0255	0.0735	2.4465	996.2745	1
7118_7118	7118	7118	-143.705	-29.262	0.0165	0.015	-2.4495	-1010.87	1
7118_7119	7118	7119	151.8405	-43.9095	-0.0135	0.012	2.25	1047.608	1
7119_7119	7119	7119	-151.379	-38.127	0.0165	0.009	-2.301	-1055.54	1
7119_7120	7119	7120	149.2455	-34.6545	-0.012	0.0165	2.0625	1031.115	1
7120_7120	7120	7120	-149.42	-32.2845	0.015	0.1125	-2.136	-1038.36	1
7120_7121	7120	7121	153.0645	-39.8625	-0.009	-0.111	1.896	1057.949	1
7121_7121	7121	7121	-154.503	-42.0255	0.012	-0.0915	-1.9665	-1066.91	1
7121_7122	7121	7122	144.588	-30.132	-0.0045	0.0915	1.7835	1008.113	1
7122_7122	7122	7122	-147.311	-36.7665	0.009	0.0825	-1.8375	-1018.66	1
7122_7123	7122	7123	143.3955	-36.012	-0.003	-0.066	1.7025	1005.879	1
7123_7123	7123	7123	-146.817	-46.017	0.006	-0.024	-1.7445	-1015.48	1
7123_7124	7123	7124	132.459	-27.114	-0.0015	0.0405	1.6545	941.4915	1
7124_7124	7124	7124	-135.441	-40.533	0	0.123	-1.686	-944.589	1
7124_7125	7124	7125	127.953	-32.178	0.0045	-0.117	1.668	917.127	1
7125_7125	7125	7125	-130.119	-49.872	-0.0045	-0.0645	-1.716	-914.307	1
7125_7126	7125	7126	115.95	-23.631	0.009	0.072	1.707	841.194	1
7126_7126	7126	7126	-114.263	-45.501	0.006	0.075	-1.7985	-817.965	1
7126_7127	7126	7127	107.5875	-25.608	0.0165	-0.06	1.8255	783.756	1
7127_7127	7127	7127	-103.416	-57.1845	-0.003	-0.0135	-1.608	-748.149	1
7127_7128	7127	7128	97.557	-19.3785	0.0165	0.024	1.7265	722.6415	1
7128_7128	7128	7128	-84.225	-52.2735	-0.003	0.0645	-1.6875	-652.805	1
7128_7129	7128	7129	78.6135	-20.742	0	-0.0795	1.6305	651.3315	1
7129_7129	7129	7129	-51.933	-62.496	-0.0015	0.0285	-2.16	-609.026	1
7129_7130	7129	7130	41.295	-11.988	0.012	-0.009	2.0385	528.93	1
7130_7130	7130	7130	-18.5505	-67.3245	0.0705	0.093	-2.1105	-416.331	1
7130_7131	7130	7131	18.1065	-7.674	-0.0975	-0.0555	0.798	328.9185	1
7131_7131	7131	7131	8.511	-78.732	0.0705	0.126	-1.161	-199.968	1
7131_7132	7131	7132	21.2565	-5.3445	0.0255	0.039	1.506	278.946	1
7132_7132	7132	7132	-87.0195	-8.124	-0.0495	0.0015	-0.8745	-277.892	1
7132_7133	7132	7133	56.2845	-71.2095	0.111	0.09	0.066	249.8745	1
7133_7133	7133	7133	-99.237	-13.5375	-0.0615	0.033	-1.0515	-397.613	1
7133_7134	7133	7134	72.7545	-62.9925	0.1095	0.0225	0.6915	373.3845	1
7134_7134	7134	7134	-107.004	-18.8805	-0.0825	0.153	-1.4175	-478.68	1
7134_7135	7134	7135	84.141	-55.0485	0.12	-0.0405	1.437	467.304	1
7135_7135	7135	7135	-111.353	-19.7895	0.057	0.0915	-1.9935	-539.793	1
7135_7136	7135	7136	96.942	-54.24	-0.0315	-0.0525	0.987	566.4225	1
7136_7136	7136	7136	-116.237	-25.6395	0.057	0.0105	-1.482	-604.068	1
7136_7137	7136	7137	104.178	-46.2315	-0.027	0.0315	0.6045	623.1615	1
7137_7137	7137	7137	-117.242	-32.304	0.0525	0.0045	-0.9885	-640.439	1
7137_7138	7137	7138	106.4235	-38.811	-0.018	0.0345	0.3315	641.3415	1
7138_7138	7138	7138	-114.776	-28.842	0.024	0.117	-0.555	-647.994	1
7138_7139	7138	7139	111.861	-45.1425	0.015	-0.084	0.3675	677.6385	1
7139_7139	7139	7139	-116.262	-33.777	0.0225	-0.0015	-0.417	-673.484	1
7139_7140	7139	7140	114.207	-39.315	0.018	0.0495	0.4545	690.3135	1
7140_7140	7140	7140	-116.108	-39.2745	0.0165	-0.0075	-0.3225	-684.497	1
7140_7141	7140	7141	113.781	-33.807	0.024	0.051	0.6045	681.3525	1
7141_7141	7141	7141	-113.178	-45.0945	0.0105	-0.0135	-0.2925	-673.95	1
7141_7142	7141	7142	111.7185	-28.8615	0.0285	0.054	0.8115	657.7845	1
7142_7142	7142	7142	-107.121	-39.0975	0	0.063	-0.327	-639.654	1
7142_7143	7142	7143	113.259	-32.0745	0.03	-0.036	1.1115	651.5445	1
7143_7143	7143	7143	-103.803	-46.5285	-0.0045	-0.0195	-0.495	-622.505	1
7143_7144	7143	7144	111.2805	-25.4055	0.0315	0.06	1.446	615.945	1
7144_7144	7144	7144	-95.4975	-54.54	-0.009	-0.0255	-0.7335	-566.763	1
7144_7145	7144	7145	105.5775	-19.581	0.0345	0.06	1.827	553.401	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
7145_7145	7145	7145	-81.639	-55.131	0.06	-0.0255	-1.0425	-468.551	1
7145_7146	7145	7146	100.743	-19.389	-0.0135	0.0615	1.833	495.906	1
7146_7146	7146	7146	-69.5535	-62.952	0.051	0.0165	-0.828	-377.615	1
7146_7147	7146	7147	92.595	-14.067	0.0015	-0.0045	2.0085	418.8105	1
7147_7147	7147	7147	-52.6365	-70.977	0.048	-0.0105	-0.7365	-258.422	1
7147_7148	7147	7148	80.454	-9.006	0.009	0.0765	2.43	315.3705	1
7148_7148	7148	7148	-28.614	-3.5085	0.003	0.0585	-0.216	-229.017	1
7148_7149	7148	7149	-11.8965	-76.014	-0.0225	0.1305	2.142	283.758	1
7149_7149	7149	7149	-17.4135	-9.699	-0.0105	-0.0495	-1.5705	-397.026	1
7149_7150	7149	7150	13.035	-64.5945	-0.0255	0.0585	1.962	472.8915	1
7150_7150	7150	7150	-39.8595	-13.5855	-0.009	-0.0345	-1.7535	-584.103	1
7150_7151	7150	7151	43.854	-60.075	0.0135	0.075	2.2815	638.205	1
7151_7151	7151	7151	-76.9605	-22.1565	-0.015	-0.036	-1.653	-688.143	1
7151_7152	7151	7152	73.704	-50.1075	0.009	0.039	1.962	655.0665	1
7152_7152	7152	7152	-93.618	-21.339	0.024	-0.0435	-1.944	-745.787	1
7152_7153	7152	7153	89.43	-54.438	-0.0105	0.066	1.827	730.5675	1
7153_7153	7153	7153	-111.834	-27.3345	0.0195	0.0225	-1.488	-767.58	1
7153_7154	7153	7154	105.9315	-42.2175	-0.0075	0.0015	1.347	747.576	1
7154_7154	7154	7154	-115.242	-25.857	0.0105	0.0075	-1.305	-796.871	1
7154_7155	7154	7155	117.819	-45.9495	-0.006	0.0075	1.2495	813.5175	1
7155_7155	7155	7155	-122.819	-34.4715	0.0105	0.0045	-1.2345	-843.821	1
7155_7156	7155	7156	118.419	-36.543	-0.003	0.012	1.1745	816.1305	1
7156_7156	7156	7156	-121.841	-30.372	0.0045	-0.012	-1.167	-838.937	1
7156_7157	7156	7157	124.7715	-41.6985	0.0015	0.0345	1.1565	852.354	1
7157_7157	7157	7157	-126.336	-38.568	0.006	0.036	-1.149	-863.742	1
7157_7158	7157	7158	122.0745	-33.2925	0	-0.0135	1.1325	838.041	1
7158_7158	7158	7158	-122.457	-33.4665	0	-0.009	-1.119	-840.422	1
7158_7159	7158	7159	125.667	-38.5185	0.0045	0.0315	1.1565	859.71	1
7159_7159	7159	7159	-124.802	-41.835	0.0015	0.039	-1.1415	-852.635	1
7159_7160	7159	7160	120.8955	-30.3135	0.003	-0.0165	1.167	833.394	1
7160_7160	7160	7160	-118.17	-36.8655	-0.006	-0.0045	-1.1535	-814.698	1
7160_7161	7160	7161	121.569	-34.458	0.0135	0.0285	1.2885	836.706	1
7161_7161	7161	7161	-117.131	-46.1835	-0.006	0.0345	-1.272	-809.459	1
7161_7162	7161	7162	113.6595	-25.842	0.012	-0.0135	1.383	788.103	1
7162_7162	7162	7162	-104.978	-42.7605	-0.0045	0.024	-1.3995	-741.93	1
7162_7163	7162	7163	109.47	-27.114	0.018	-0.0165	1.5315	754.722	1
7163_7163	7163	7163	-90.0495	-54.8085	-0.009	-0.0075	-1.617	-709.697	1
7163_7164	7163	7164	93.2055	-21.1005	0.0225	0.021	1.755	719.5305	1
7164_7164	7164	7164	-73.7925	-50.943	0.0105	0.0345	-1.746	-633.207	1
7164_7165	7164	7165	75.6585	-21.648	-0.0165	-0.0285	1.4715	657.327	1
7165_7165	7165	7165	-46.539	-60.705	0.015	0.0735	-1.812	-590.847	1
7165_7166	7165	7166	40.746	-13.1625	-0.0105	-0.042	1.3845	534.639	1
7166_7166	7166	7166	-13.518	-65.6205	-0.0195	0.045	-1.5255	-425.808	1
7166_7167	7166	7167	16.986	-9.309	-0.0105	-0.0405	1.209	353.2815	1
7167_7167	7167	7167	13.158	-76.815	-0.018	0.1035	-1.6695	-235.607	1
7167_7168	7167	7168	32.8545	-4.1175	-0.0015	0.0465	0.2355	265.4115	1
7168_7168	7168	7168	-85.014	-9.1605	0.0105	0.0705	-1.9665	-301.484	1
7168_7169	7168	7169	55.446	-71.6685	0.0375	-0.024	0.582	243.075	1
7169_7169	7169	7169	-97.467	-14.022	0.003	0.0105	-1.308	-402.098	1
7169_7170	7169	7170	73.587	-63.9015	0.033	-0.003	0.522	363.0105	1
7170_7170	7170	7170	-106.338	-19.1205	-0.0045	0.0105	-1.1775	-477.026	1
7170_7171	7170	7171	87.1245	-56.2965	0.036	-0.0045	0.642	456.0345	1
7171_7171	7171	7171	-111.972	-19.524	0.024	0.0135	-1.1415	-534.623	1
7171_7172	7171	7172	102.207	-55.26	-0.003	0.024	0.471	554.2845	1
7172_7172	7172	7172	-118.385	-25.1625	0.018	0.0795	-0.8955	-596.517	1
7172_7173	7172	7173	111.5235	-47.406	0.003	-0.036	0.3615	612.6465	1
7173_7173	7173	7173	-121.076	-31.617	0.0165	-0.006	-0.708	-634.086	1
7173_7174	7173	7174	115.575	-40.065	0.006	0.0435	0.3045	634.128	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
7174_7174	7174	7174	-120.225	-29.094	0.021	0	-0.552	-645.084	1
7174_7175	7174	7175	121.824	-45.255	0.009	0.0435	0.303	667.4895	1
7175_7175	7175	7175	-122.534	-33.948	0.0165	0.1065	-0.4185	-668.931	1
7175_7176	7175	7176	124.8225	-39.5565	0.015	-0.066	0.3585	678.444	1
7176_7176	7176	7176	-123.114	-39.3345	0.0135	-0.0105	-0.3375	-679.022	1
7176_7177	7176	7177	124.917	-34.1595	0.0165	0.054	0.4515	668.9535	1
7177_7177	7177	7177	-120.809	-45.0225	0.009	-0.0135	-0.297	-668.724	1
7177_7178	7177	7178	123.2565	-29.2935	0.021	0.054	0.5865	645.627	1
7178_7178	7178	7178	-115.248	-39.993	0.006	-0.0105	-0.306	-635.964	1
7178_7179	7178	7179	124.9335	-31.833	0.0135	0.054	0.7335	635.259	1
7179_7179	7179	7179	-112.032	-47.307	0	0.0555	-0.366	-614.715	1
7179_7180	7179	7180	123.0555	-25.386	0.0195	-0.018	0.939	598.4415	1
7180_7180	7180	7180	-103.586	-55.131	-0.0015	-0.0195	-0.492	-556.818	1
7180_7181	7180	7181	117.426	-19.7475	0.021	0.0585	1.17	537.2625	1
7181_7181	7181	7181	-89.415	-56.346	0.0375	0.003	-0.66	-459.251	1
7181_7182	7181	7182	112.473	-19.2885	-0.006	0.0375	1.1925	479.928	1
7182_7182	7182	7182	-76.626	-63.9105	0.033	-0.006	-0.531	-366.242	1
7182_7183	7182	7183	104.2695	-14.2125	0.0015	0.045	1.3095	405.5175	1
7183_7183	7183	7183	-59.7615	-71.541	0.03	0.021	-0.525	-244.347	1
7183_7184	7183	7184	93.1365	-9.3465	0.0135	0.018	1.803	302.6175	1
7184_7184	7184	7184	-19.2105	-4.686	0.0045	0.0255	-0.2565	-202.793	1
7184_7185	7184	7185	-6.996	-79.2765	-0.015	0.1335	1.5735	219.582	1
7185_7185	7185	7185	-21.0015	-8.4045	-0.0075	-0.003	-1.164	-338.429	1
7185_7186	7185	7186	22.5405	-68.2935	-0.018	0.054	1.4445	428.8875	1
7186_7186	7186	7186	-46.7535	-12.2775	-0.012	-0.075	-1.3125	-526.98	1
7186_7187	7186	7187	59.577	-63.123	0.0165	0.123	1.734	614.364	1
7187_7187	7187	7187	-84.282	-20.577	-0.015	0.015	-1.4025	-662.079	1
7187_7188	7187	7188	90.714	-53.289	0.0105	0.012	1.683	675.8175	1
7188_7188	7188	7188	-105.33	-20.5275	0.0135	-0.036	-1.665	-738.827	1
7188_7189	7188	7189	109.254	-56.385	-0.0015	0.0615	1.6335	761.5245	1
7189_7189	7189	7189	-121.286	-26.64	0.012	0.03	-1.4595	-819.678	1
7189_7190	7189	7190	124.6725	-44.6595	-0.0015	-0.0015	1.419	845.2425	1
7190_7190	7190	7190	-129.203	-26.07	0.0105	0.012	-1.395	-873.548	1
7190_7191	7190	7191	137.7795	-47.532	-0.003	0.0105	1.3395	920.817	1
7191_7191	7191	7191	-139.017	-34.4925	0.0105	0.0075	-1.326	-933.752	1
7191_7192	7191	7192	139.911	-38.4225	0	0.015	1.296	932.118	1
7192_7192	7192	7192	-140.535	-31.1805	0	0.0135	-1.2705	-941.93	1
7192_7193	7192	7193	146.5905	-42.8835	0.0075	0.009	1.3395	971.5125	1
7193_7193	7193	7193	-146.135	-39.15	-0.0015	0.009	-1.314	-973.425	1
7193_7194	7193	7194	144.6255	-34.779	0.009	0.0135	1.4025	960.435	1
7194_7194	7194	7194	-143.574	-34.785	0	0.045	-1.38	-956.142	1
7194_7195	7194	7195	147.9645	-39.273	0.0075	-0.03	1.44	981.1515	1
7195_7195	7195	7195	-146.115	-42.897	-0.003	-0.0195	-1.422	-969.555	1
7195_7196	7195	7196	143.3955	-31.389	0.0105	0.036	1.5105	954.4635	1
7196_7196	7196	7196	-139.995	-38.7105	-0.009	0.021	-1.503	-932.438	1
7196_7197	7196	7197	143.112	-34.734	0.018	0	1.65	952.197	1
7197_7197	7197	7197	-138.287	-47.7705	-0.0105	0.0165	-1.647	-922.491	1
7197_7198	7197	7198	134.628	-26.466	0.0195	0.003	1.7925	898.7205	1
7198_7198	7198	7198	-125.927	-45.2055	-0.006	0.033	-1.8315	-850.104	1
7198_7199	7198	7199	128.3325	-27.1125	0.0135	-0.0255	1.8435	853.572	1
7199_7199	7199	7199	-110.916	-57.027	-0.009	0.003	-2.0655	-765.209	1
7199_7200	7199	7200	112.377	-21.18	0.0165	0.0165	2.004	771.2115	1
7200_7200	7200	7200	-93.642	-54.633	0.003	0.0225	-2.151	-685.952	1
7200_7201	7200	7201	91.3905	-20.805	-0.0105	0.0105	1.7355	697.8075	1
7201_7201	7201	7201	-60.423	-64.419	0.012	0.2025	-3.159	-647.138	1
7201_7202	7201	7202	51.096	-12.792	-0.0135	-0.132	2.2335	583.623	1
7202_7202	7202	7202	-25.6095	-69.7785	-0.0285	0.0975	-2.802	-466.431	1
7202_7203	7202	7203	25.272	-9.0135	-0.006	-0.03	1.944	392.343	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
7203_7203	7203	7203	2.6925	-80.331	-0.024	0.2085	-2.8905	-261.041	1
7203_7204	7203	7204	18.4935	-4.2555	0.0015	0.042	0.171	197.556	1
7204_7204	7204	7204	-97.929	-11.0685	0.0315	0.057	-3.306	-352.488	1
7204_7205	7204	7205	62.772	-72.987	0.033	0.0015	0.8865	276.636	1
7205_7205	7205	7205	-108.524	-15.666	0.012	0.081	-2.268	-461.136	1
7205_7206	7205	7206	79.5075	-65.8455	0.039	-0.03	0.7185	406.068	1
7206_7206	7206	7206	-115.83	-20.376	0.006	0.0045	-1.9545	-534.066	1
7206_7207	7206	7207	92.4285	-58.785	0.0435	0.0225	0.765	504.666	1
7207_7207	7207	7207	-120.41	-21.015	0.033	0.0315	-1.7415	-591.786	1
7207_7208	7207	7208	106.6185	-57.144	0.009	0.033	0.573	606.9615	1
7208_7208	7208	7208	-125.558	-26.2905	0.0255	0.018	-1.347	-652.814	1
7208_7209	7208	7209	115.83	-49.731	0.0165	0.045	0.4905	671.85	1
7209_7209	7209	7209	-127.568	-32.295	0.015	0.093	-1.0605	-691.85	1
7209_7210	7209	7210	120.408	-42.7155	0.024	-0.0195	0.5235	701.448	1
7210_7210	7210	7210	-126.723	-30.792	0.039	0.015	-0.8955	-707.415	1
7210_7211	7210	7211	126.18	-46.5	0.0165	0.054	0.5385	736.053	1
7211_7211	7211	7211	-128.342	-35.412	0.0315	0.0015	-0.6675	-731.126	1
7211_7212	7211	7212	129.0705	-41.1135	0.024	0.0645	0.6405	749.163	1
7212_7212	7212	7212	-128.508	-40.503	0.021	0.1185	-0.519	-742.029	1
7212_7213	7212	7213	129.3885	-35.9895	0.0345	-0.051	0.843	742.695	1
7213_7213	7213	7213	-126.153	-45.864	0.0165	-0.0165	-0.468	-733.614	1
7213_7214	7213	7214	128.193	-31.332	0.0375	0.081	1.1085	723.093	1
7214_7214	7214	7214	-120.95	-42.309	0.0255	0.0045	-0.4935	-703.863	1
7214_7215	7214	7215	129.4635	-32.754	0.0195	0.0555	1.3575	712.215	1
7215_7215	7215	7215	-116.966	-49.2915	0.018	-0.0105	-0.5055	-679.643	1
7215_7216	7215	7216	127.8135	-26.7255	0.027	0.066	1.7025	677.6265	1
7216_7216	7216	7216	-108.366	-56.679	0.009	0.0555	-0.63	-620.258	1
7216_7217	7216	7217	122.913	-21.4095	0.0375	-0.003	2.157	620.4045	1
7217_7217	7217	7217	-94.773	-58.6185	0.027	-0.015	-0.891	-523.386	1
7217_7218	7217	7218	118.3395	-20.583	0.0045	-0.12	2.3895	564.879	1
7218_7218	7218	7218	-82.143	-65.6625	0.0255	0.036	-1.011	-428.298	1
7218_7219	7218	7219	110.9325	-15.855	0.012	-0.141	2.721	493.6035	1
7219_7219	7219	7219	-66.0435	-72.684	0.0435	-0.243	-1.158	-299.72	1
7219_7220	7219	7220	100.476	-11.202	-0.0105	0.315	3.036	384.873	1
7220_7220	7220	7220	-17.4105	-5.3745	-0.006	0.132	1.1295	-164.064	1
7220_7221	7220	7221	4.0365	-80.5665	-0.024	0.099	2.973	349.8135	1
7221_7221	7221	7221	-31.245	-9.654	-0.0105	-0.129	-2.076	-452.925	1
7221_7222	7221	7222	35.4945	-70.554	-0.027	0.066	2.799	563.496	1
7222_7222	7222	7222	-59.1615	-13.5315	-0.0075	0.0015	-2.4495	-646.188	1
7222_7223	7222	7223	74.349	-65.2095	0.021	-0.015	3.1065	754.449	1
7223_7223	7223	7223	-102.677	-21.159	-0.012	-0.1065	-1.8195	-759.542	1
7223_7224	7223	7224	112.2405	-55.8585	0.015	0.066	2.1675	795.5925	1
7224_7224	7224	7224	-126.479	-22.0215	0.018	0.1395	-2.0835	-842.504	1
7224_7225	7224	7225	130.8195	-57.7575	-0.0105	-0.1635	2.0415	878.973	1
7225_7225	7225	7225	-133.322	-27.897	0.0135	-0.1395	-2.115	-966.761	1
7225_7226	7225	7226	136.98	-45.6945	-0.003	0.0915	2.01	1016.643	1
7226_7226	7226	7226	-141.578	-29.2755	0.021	0.2055	-2.022	-1033.04	1
7226_7227	7226	7227	147.6345	-47.034	-0.015	-0.24	1.761	1085.517	1
7227_7227	7227	7227	-149.139	-37.7025	0.0165	-0.198	-1.827	-1088.22	1
7227_7228	7227	7228	147.8595	-38.0595	-0.0075	0.1635	1.599	1086.966	1
7228_7228	7228	7228	-148.58	-36.138	0.012	0.2655	-1.6725	-1088.33	1
7228_7229	7228	7229	150.8745	-39.9045	-0.006	-0.3135	1.4445	1105.146	1
7229_7229	7229	7229	-150.188	-44.9775	0.0045	-0.24	-1.548	-1100.72	1
7229_7230	7229	7230	144.1275	-31.281	0.0015	0.1965	1.377	1059.168	1
7230_7230	7230	7230	-141.677	-43.626	0.0015	0.228	-1.5015	-1047.41	1
7230_7231	7230	7231	140.769	-32.3175	0.0135	-0.291	1.443	1031.64	1
7231_7231	7231	7231	-135.041	-53.151	-0.0075	-0.1995	-1.509	-1005.27	1
7231_7232	7231	7232	129.1335	-24.1515	0.021	0.156	1.5975	947.52	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
7232_7232	7232	7232	-117.404	-54.2505	0.039	0.234	-1.662	-891.575	1
7232_7233	7232	7233	127.1175	-29.9445	-0.03	-0.3	1.482	931.671	1
7233_7233	7233	7233	-113.003	-56.7345	0.057	0.0825	-2.439	-870.248	1
7233_7234	7233	7234	120.066	-25.674	-0.0375	-0.108	2.0295	897.357	1
7234_7234	7234	7234	-102.476	-61.617	0.0555	0.027	-2.118	-817.892	1
7234_7235	7234	7235	103.9635	-20.13	-0.024	-0.0345	1.749	826.0155	1
7235_7235	7235	7235	-81.012	-68.4105	0.0495	-0.048	-1.6815	-720.45	1
7235_7236	7235	7236	90.2955	-16.8105	-0.0135	0.042	1.671	766.317	1
7236_7236	7236	7236	-50.709	-68.007	0.0195	0.1455	-2.232	-717.431	1
7236_7237	7236	7237	53.1165	-14.889	-0.078	-0.222	1.8645	717.4485	1
7237_7237	7237	7237	-23.805	-76.2075	0.0195	-0.033	-2.0385	-550.796	1
7237_7238	7237	7238	33.9345	-10.3035	-0.078	0.075	1.0095	570.5535	1
7238_7238	7238	7238	-2.6115	-64.797	-0.1665	-0.0555	-1.6965	-368.081	1
7238_7239	7238	7239	24.2865	-19.2735	0.1515	0.033	2.265	487.515	1
7239_7239	7239	7239	7.788	-72.405	-0.1785	-0.111	-3.15	-265.859	1
7239_7240	7239	7240	13.344	-13.443	0.1365	0.219	3.3735	345.792	1
7240_7240	7240	7240	-117.884	-19.0215	0.1245	0.501	-6.0135	-550.026	1
7240_7241	7240	7241	81.828	-63.4275	-0.0225	-0.462	2.7195	422.2395	1
7241_7241	7241	7241	-122.727	-23.9505	0.1215	0.1785	-4.2855	-609.869	1
7241_7242	7241	7242	89.2725	-56.115	-0.0135	-0.207	1.7925	496.8075	1
7242_7242	7242	7242	-124.487	-30.2685	0.1155	-0.0285	-3.051	-654.473	1
7242_7243	7242	7243	93.324	-49.365	-0.003	-0.09	1.3785	543.072	1
7243_7243	7243	7243	-121.532	-20.997	0.0345	0.2355	-2.052	-662.222	1
7243_7244	7243	7244	110.973	-59.178	-0.0285	-0.2115	0.738	690.8895	1
7244_7244	7244	7244	-126.882	-27.1515	0.054	-0.0345	-1.518	-742.415	1
7244_7245	7244	7245	121.8435	-50.7345	-0.021	0.0495	0.3105	776.223	1
7245_7245	7245	7245	-129.227	-30.2625	-0.024	0.1635	-0.7935	-791.973	1
7245_7246	7245	7246	131.295	-46.2915	0.0555	-0.1815	0.8325	841.245	1
7246_7246	7246	7246	-131.595	-37.959	-0.024	-0.165	-0.957	-835.76	1
7246_7247	7246	7247	134.163	-38.6055	0.048	0.153	1.269	847.1265	1
7247_7247	7247	7247	-129.968	-40.2615	0.0465	0.2475	-1.2015	-836.192	1
7247_7248	7247	7248	136.944	-36.3915	0.0075	-0.309	1.365	844.3125	1
7248_7248	7248	7248	-127.779	-48.105	0.051	-0.2625	-0.879	-824.48	1
7248_7249	7248	7249	135.948	-28.9995	0.003	0.2295	1.5885	801.3345	1
7249_7249	7249	7249	-119.219	-52.503	-0.0285	0.0825	-0.5805	-753.885	1
7249_7250	7249	7250	134.2695	-25.992	0.123	-0.123	3.1515	749.391	1
7250_7250	7250	7250	-108.54	-61.3005	-0.0495	-0.1815	-1.4235	-657.59	1
7250_7251	7250	7251	128.6715	-20.2155	0.1065	0.1875	4.5285	668.307	1
7251_7251	7251	7251	-93.0615	-51.2865	0.045	0.063	-2.667	-515.231	1
7251_7252	7251	7252	131.2215	-30.456	-0.0645	-0.3015	4.2435	659.8215	1
7252_7252	7252	7252	-91.2345	-57.2715	0.0735	-0.1815	-2.5785	-471.936	1
7252_7253	7252	7253	130.3995	-23.7795	-0.081	0.1275	3.4905	612.8595	1
7253_7253	7253	7253	-21.9105	-24.7065	0.0885	-0.2025	-2.295	-431.721	1
7253_7254	7253	7254	-2.865	-62.886	-0.087	0.492	2.8245	276.2235	1
7254_7254	7254	7254	-26.199	-13.1385	-0.078	-0.027	-1.86	-478.473	1
7254_7255	7254	7255	14.094	-69.414	0.135	0.138	4.71	443.2725	1
7255_7255	7255	7255	-44.5695	-19.737	-0.1035	-0.1845	-3.3045	-630.234	1
7255_7256	7255	7256	30.429	-61.785	0.1425	0.144	6.318	537.786	1
7256_7256	7256	7256	-59.475	-12.8205	0.0465	0.051	-4.9245	-711.491	1
7256_7257	7256	7257	56.346	-73.602	-0.0675	-0.051	5.775	709.938	1
7257_7257	7257	7257	-96.2265	-16.902	0.0315	-0.0645	-3.0885	-758.024	1
7257_7258	7257	7258	91.5795	-67.908	-0.039	0.051	3.3735	735.9525	1
7258_7258	7258	7258	-113.639	-21.1455	0.0345	-0.1035	-2.997	-829.796	1
7258_7259	7258	7259	105.645	-63.858	-0.036	0.0675	3.177	798.9795	1
7259_7259	7259	7259	-123.587	-19.9635	0.018	0.1425	-2.898	-871.946	1
7259_7260	7259	7260	124.5735	-62.985	-0.021	-0.174	3.0105	898.689	1
7260_7260	7260	7260	-142.575	-24.7845	0.0105	-0.033	-2.109	-888.063	1
7260_7261	7260	7261	143.25	-55.71	-0.0105	0.006	2.094	921.669	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
7261_7261	7261	7261	-152.235	-30.582	0.0105	-0.1215	-2.0745	-949.814	1
7261_7262	7261	7262	151.047	-49.5645	-0.009	0.078	1.9635	969.2235	1
7262_7262	7262	7262	-156.801	-28.503	0.0195	0.102	-2.0235	-981.731	1
7262_7263	7262	7263	163.302	-49.101	-0.021	-0.1275	1.632	1042.916	1
7263_7263	7263	7263	-166.374	-36.5295	0.018	-0.0765	-1.809	-1043.32	1
7263_7264	7263	7264	165.1245	-40.4955	-0.018	0.054	1.308	1056.801	1
7264_7264	7264	7264	-166.938	-36.1965	0.0105	0.168	-1.566	-1052.75	1
7264_7265	7264	7265	168.354	-40.8885	-0.0045	-0.207	1.1415	1077.242	1
7265_7265	7265	7265	-169.19	-44.85	0.0045	-0.1485	-1.407	-1070.9	1
7265_7266	7265	7266	162.147	-32.82	0.003	0.114	1.0485	1042.281	1
7266_7266	7266	7266	-161.066	-44.6805	0.018	0.15	-1.3215	-1029.66	1
7266_7267	7266	7267	158.2815	-33.168	-0.006	-0.1905	0.8535	1017.59	1
7267_7267	7267	7267	-153.63	-53.3535	0.012	-0.09	-1.0785	-991.535	1
7267_7268	7267	7268	146.385	-25.602	0.0015	0.0615	0.7635	944.2455	1
7268_7268	7268	7268	-136.194	-54.7725	0.0585	0.249	-0.9255	-895.769	1
7268_7269	7268	7269	143.232	-29.769	-0.054	-0.3165	0.5175	923.754	1
7269_7269	7269	7269	-121.277	-58.122	0.075	0.1215	-0.915	-946.011	1
7269_7270	7269	7270	119.337	-23.43	-0.0615	-0.1635	0.015	935.1615	1
7270_7270	7270	7270	-100.967	-65.6955	0.072	-0.0915	-0.117	-851.322	1
7270_7271	7270	7271	94.557	-17.481	-0.048	0.069	-0.4875	828.309	1
7271_7271	7271	7271	-57.987	-68.6325	0.1755	0.255	1.0755	-789.899	1
7271_7272	7271	7272	54.195	-15.1035	-0.1185	-0.378	-2.046	756.864	1
7272_7272	7272	7272	-25.3305	-77.2725	0.162	-0.204	3.135	-601.481	1
7272_7273	7272	7273	28.74	-9.7275	-0.0765	0.147	-2.439	557.8605	1
7273_7273	7273	7273	2.598	-64.0875	-0.732	0.3015	4.9035	-352.452	1
7273_7274	7273	7274	25.2375	-24.7485	0.3735	-0.0405	0.084	522.972	1
7274_7274	7274	7274	8.7165	-67.716	-0.711	0.246	0.7365	-302.78	1
7274_7275	7274	7275	17.7945	-20.244	0.288	0.171	2.58	446.9685	1
7275_7275	7275	7275	-128.817	-31.407	-0.4575	-0.8565	-4.4505	-642.239	1
7275_7276	7275	7276	86.6985	-53.2245	0.213	-0.063	3.0555	450.7095	1
7276_7276	7276	7276	-126.302	-21.87	0.195	0.3225	-6.6045	-640.937	1
7276_7277	7276	7277	90.1965	-62.163	-0.0645	-0.2775	2.331	490.059	1
7277_7277	7277	7277	-128.628	-24.4905	0.174	0.1095	-4.974	-661.151	1
7277_7278	7277	7278	98.727	-53.163	-0.0285	-0.111	0.8685	561.132	1
7278_7278	7278	7278	-130.566	-31.908	0.1605	-0.189	-2.7915	-707.441	1
7278_7279	7278	7279	102.0465	-45.372	-0.0075	0.0855	0.2805	593.673	1
7279_7279	7279	7279	-125.999	-26.8275	-0.051	0.267	-1.137	-702.89	1
7279_7280	7279	7280	113.445	-48.5085	0.051	-0.249	0.552	678.8655	1
7280_7280	7280	7280	-126.419	-35.061	-0.036	-0.1755	-1.4865	-740.907	1
7280_7281	7280	7281	116.568	-38.0805	0.036	0.141	0.648	688.5615	1
7281_7281	7281	7281	-105.108	-35.0085	0.1455	0.213	-5.079	-794.691	1
7281_7282	7281	7282	108.666	-38.841	0.0225	-0.27	1.0545	782.88	1
7282_7282	7282	7282	-103.019	-45.495	0.132	-0.2955	-2.811	-792.234	1
7282_7283	7282	7283	110.514	-30.1995	0.0225	0.228	0.7185	744.3765	1
7283_7283	7283	7283	-95.076	-40.8165	-0.006	0.222	-1.2705	-706.674	1
7283_7284	7283	7284	119.2035	-34.7685	0.303	-0.3885	3.696	770.028	1
7284_7284	7284	7284	-94.0395	-50.1075	-0.03	-0.3825	-1.911	-677.159	1
7284_7285	7284	7285	122.9205	-27.69	0.2895	0.345	6.843	747.738	1
7285_7285	7285	7285	-88.7115	-47.6115	0.0855	0.1335	-3.306	-590.973	1
7285_7286	7285	7286	129.405	-33.666	-0.1725	-0.396	5.9895	765.618	1
7286_7286	7286	7286	-88.7055	-54.3045	0.1245	0	-3.3645	-555.407	1
7286_7287	7286	7287	132.2055	-28.383	-0.2115	-0.075	4.7835	755.019	1
7287_7287	7287	7287	-87.738	-60.5835	0.174	-0.267	-3.0045	-512.001	1
7287_7288	7287	7288	133.4415	-23.436	-0.267	0.3135	3.027	734.397	1
7288_7288	7288	7288	-18.4995	-13.218	-0.1785	-0.0285	-0.468	-483.5	1
7288_7289	7288	7289	22.4085	-70.881	0.225	-0.0225	5.301	645.0885	1
7289_7289	7289	7289	-34.548	-20.607	-0.2145	-0.5505	-3.48	-710.804	1
7289_7290	7289	7290	39.897	-62.1135	0.2205	0.3675	8.025	803.8635	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
7290_7290	7290	7290	-48.9405	-18.2595	0.0255	0.138	-6.6525	-847.805	1
7290_7291	7290	7291	54.369	-67.3365	0.057	-0.2295	8.5635	934.695	1
7291_7291	7291	7291	-61.281	-23.1435	0.009	0.093	-6.993	-963.552	1
7291_7292	7291	7292	69.246	-60.3915	0.066	-0.1695	9.228	1054.914	1
7292_7292	7292	7292	-85.9665	-29.2935	-0.012	-0.5925	-5.145	-986.934	1
7292_7293	7292	7293	88.3425	-56.6955	0.048	0.4815	6.399	1016.472	1
7293_7293	7293	7293	-90.123	-18.807	0.0765	0.309	-5.409	-1018.83	1
7293_7294	7293	7294	102.147	-66.999	-0.084	-0.4125	5.772	1150.127	1
7294_7294	7294	7294	-101.166	-23.3115	0.0825	0.0165	-5.1285	-1131.52	1
7294_7295	7294	7295	114.0585	-60.0135	-0.0735	-0.0765	5.0955	1274.828	1
7295_7295	7295	7295	-94.926	-29.427	0.135	-0.774	-7.098	-1333.4	1
7295_7296	7295	7296	103.3815	-55.0335	-0.093	0.633	7.1475	1450.314	1
7296_7296	7296	7296	-100.178	-25.2015	0.0675	0.5265	-6.384	-1404.99	1
7296_7297	7296	7297	114.7515	-57.2415	-0.102	-0.696	6.1245	1601.3	1
7297_7297	7297	7297	-110.613	-32.703	0.0705	-0.522	-5.862	-1545.7	1
7297_7298	7297	7298	120.3315	-48.627	-0.1035	0.4065	4.8615	1675.164	1
7298_7298	7298	7298	-116.771	-29.604	0.072	0.8835	-5.1225	-1628.45	1
7298_7299	7298	7299	128.175	-52.944	-0.066	-1.1115	3.9165	1779.086	1
7299_7299	7299	7299	-125.648	-37.497	0.066	-0.771	-4.311	-1746.59	1
7299_7300	7299	7300	130.0935	-43.761	-0.0585	0.594	2.94	1804.055	1
7300_7300	7300	7300	-129.071	-33.831	0.0915	0.819	-3.42	-1791.87	1
7300_7301	7300	7301	134.6895	-48.54	-0.081	-0.981	1.7145	1864.445	1
7301_7301	7301	7301	-134.952	-42.3225	0.0855	-0.777	-2.1975	-1869.75	1
7301_7302	7301	7302	132.873	-40.206	-0.0705	0.6135	0.702	1838.984	1
7302_7302	7302	7302	-134.627	-37.116	0.0555	0.921	-1.092	-1864.99	1
7302_7303	7302	7303	133.9875	-44.6925	-0.039	-1.0485	0.051	1851.428	1
7303_7303	7303	7303	-137.517	-46.0245	0.0465	-0.963	-0.2925	-1902.91	1
7303_7304	7303	7304	128.58	-36.609	-0.03	0.7635	-0.3435	1776.183	1
7304_7304	7304	7304	-134.186	-40.155	0.0285	0.951	0.258	-1857.86	1
7304_7305	7304	7305	125.007	-40.7115	-0.012	-0.999	-0.4875	1723.424	1
7305_7305	7305	7305	-134.03	-48.4305	0.0195	-0.804	0.5775	-1854.56	1
7305_7306	7305	7306	112.443	-30.756	-0.003	0.5775	-0.4755	1548.15	1
7306_7306	7306	7306	-126.621	-44.904	-0.0195	0.9105	0.75	-1753.85	1
7306_7307	7306	7307	97.503	-30.1305	0.012	-0.828	-0.2385	1338.123	1
7307_7307	7307	7307	-120.413	-54.369	-0.024	-0.8745	0.447	-1667.86	1
7307_7308	7307	7308	72.8925	-19.017	0.0105	0.456	-0.0375	997.278	1
7308_7308	7308	7308	-105.086	-55.4565	0.123	0.711	0.1125	-1458.76	1
7308_7309	7308	7309	50.0445	-14.3775	-0.0255	-0.45	-0.324	683.196	1
7309_7309	7309	7309	-84.9585	-67.0395	0.09	-0.633	1.221	-1183.2	1
7309_7310	7309	7310	30.969	-7.6755	-0.021	0.201	-0.5505	422.0595	1
7310_7310	7310	7310	-51.807	-76.029	-0.1335	0.0525	1.7925	-731.085	1
7310_7311	7310	7311	3.105	-3.756	-0.8565	0.0375	0	9.462	1
7400_7020	7400	7020	44.2155	-24.891	4.3275	-0.051	-1.5255	-639.594	1
7400_7401	7400	7401	-30.801	-1.746	-1.7445	-0.06	20.943	-156.717	1
7401_7401	7401	7401	40.239	-20.7405	-0.6855	0.9825	14.166	-546.746	1
7401_7402	7401	7402	-29.607	-1.908	-1.4895	0.5565	14.7585	-147.503	1
7402_7402	7402	7402	39.6945	-19.7775	-0.7275	-0.2475	11.2035	-475.587	1
7402_7403	7402	7403	-37.5075	-2.718	-1.686	-0.108	-0.7845	-133.211	1
7403_7403	7403	7403	34.23	-15.3765	-0.0945	0.129	2.9355	-261.341	1
7403_7404	7403	7404	-48.651	-4.1085	0.0015	0.1305	-0.294	-115.377	1
7404_7404	7404	7404	34.5795	-14.5755	-0.1125	-0.0165	2.223	-150.503	1
7404_7405	7404	7405	-54.3435	-5.319	0.024	0.0675	-0.0495	-82.5285	1
7405_7405	7405	7405	32.3325	-11.5155	-0.075	0.0435	1.323	-41.745	1
7405_7406	7405	7406	-61.5375	-7.395	-0.1005	0.117	-1.1325	19.713	1
7406_7406	7406	7406	30.483	-9.732	0.1635	0.0285	0.3915	130.371	1
7406_7407	7406	7407	-68.424	-9.852	1.3935	0.207	11.5515	102.7665	1
7407_7407	7407	7407	30.681	-9.0915	0.162	0.0105	1.851	216.597	1
7407_7408	7407	7408	-70.4625	-11.3265	1.386	-0.0225	19.128	163.098	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
7408_7408	7408	7408	34.3215	-15.5775	-1.2195	0.258	6.9945	236.8035	1
7408_7409	7408	7409	-10.218	-0.1665	-0.4155	0.6345	7.032	39.519	1
7409_7409	7409	7409	-20.232	-0.324	-0.0555	-1.0545	12.405	71.3775	1
7409_7410	7409	7410	-32.2185	-15.2385	-0.858	-0.1245	-1.4925	-237.963	1
7410_7410	7410	7410	76.8765	-10.9035	0.456	-0.1335	-5.298	-165.494	1
7410_7411	7410	7411	-30.162	-8.922	0.0465	0.0495	-0.8925	-216.12	1
7411_7411	7411	7411	74.6625	-9.3105	0.4665	-0.108	-3.069	-107.36	1
7411_7412	7411	7412	-30.2955	-9.555	0.057	-0.003	-0.372	-129.779	1
7412_7412	7412	7412	75.867	-6.996	0.036	-0.108	0.9345	-27.117	1
7412_7413	7412	7413	-30.651	-11.2275	-0.0705	0.0315	-1.338	35.217	1
7413_7413	7413	7413	74.409	-4.9635	-0.1095	-0.0495	1.2315	69.8775	1
7413_7414	7413	7414	-31.8525	-14.1525	-0.108	0.0765	-2.274	142.338	1
7414_7414	7414	7414	68.1585	-3.324	-0.0615	-0.138	0.3195	100.5	1
7414_7415	7414	7415	-34.77	-14.9145	-0.1335	0.021	-3.309	252.519	1
7415_7415	7415	7415	66.756	-1.7145	2.6295	0.102	-0.4305	117.6375	1
7415_7416	7415	7416	-39.288	-19.233	-0.843	0.063	-12.8595	459.603	1
7416_7416	7416	7416	7.137	-0.3195	0.492	-0.1275	5.421	26.331	1
7416_7417	7416	7417	-40.245	-20.1885	-0.9195	0.0195	-16.506	528.411	1
7417_7417	7417	7417	50.388	-0.375	1.5015	0.0735	31.1025	107.574	1
7417_7036	7417	7036	-41.19	-24.294	4.365	-0.054	0.129	625.9635	1
7420_7056	7420	7056	45.87	-23.0685	4.383	-0.0435	-2.1705	-559.142	1
7420_7421	7420	7421	-22.065	-0.6975	-1.6155	-0.045	13.5525	-94.572	1
7421_7421	7421	7421	41.7615	-18.8715	-0.8055	0.45	13.3425	-474.419	1
7421_7422	7421	7422	-22.5885	-0.864	-1.044	0.279	9.771	-92.9895	1
7422_7422	7422	7422	41.178	-17.8755	-0.8055	-0.084	10.194	-410.012	1
7422_7423	7422	7423	-31.29	-1.506	-1.368	-0.03	-1.7385	-94.068	1
7423_7423	7423	7423	35.475	-13.5	-0.021	0.1155	1.35	-218.814	1
7423_7424	7423	7424	-41.6205	-2.6445	0.093	0.1125	-0.8985	-86.943	1
7424_7424	7424	7424	32.9085	-12.6645	-0.0495	-0.015	1.152	-119.52	1
7424_7425	7424	7425	-69.1305	-3.747	-0.168	-0.1305	-1.017	-59.943	1
7425_7425	7425	7425	32.109	-9.726	-0.0375	0.033	0.7005	-24.6615	1
7425_7426	7425	7426	-70.329	-5.52	0.069	-0.105	-0.153	16.1235	1
7426_7426	7426	7426	31.9005	-8.0025	0.1125	-0.033	0.222	117.6675	1
7426_7427	7426	7427	-62.4315	-7.6815	1.0845	0.156	8.256	70.476	1
7427_7427	7427	7427	32.058	-7.35	0.0885	0.1005	1.293	188.517	1
7427_7428	7427	7428	-71.1	-9.0645	-0.252	-0.0375	-4.326	129.678	1
7428_7428	7428	7428	33.414	-14.055	-0.7635	0.177	4.0725	210.1395	1
7428_7429	7428	7429	18.621	-0.642	-0.231	-0.7785	-7.323	-56.1045	1
7429_7429	7429	7429	-17.931	-0.648	0.168	-1.068	10.221	52.908	1
7429_7430	7429	7430	-33.555	-14.037	-0.78	-0.03	-2.259	-210.354	1
7430_7430	7430	7430	64.644	-9.357	0.6465	0.132	-7.7145	-127.307	1
7430_7431	7430	7431	-32.1465	-7.3455	0.0615	0.171	-1.2645	-188.787	1
7431_7431	7431	7431	62.715	-8.0415	0.573	0.1095	-4.2585	-77.6565	1
7431_7432	7431	7432	-31.9905	-7.998	0.102	-0.0705	-0.24	-117.98	1
7432_7432	7432	7432	56.193	-5.754	-0.1005	0.1095	1.1325	-10.5315	1
7432_7433	7432	7433	-32.2635	-9.6975	-0.039	0.033	-0.732	24.0195	1
7433_7433	7433	7433	49.5945	-3.918	0.144	0.084	-0.0405	68.61	1
7433_7434	7433	7434	-33.1425	-12.6	-0.045	0.0015	-1.158	118.44	1
7434_7434	7434	7434	41.622	-2.844	0.114	0.1035	0.942	89.3415	1
7434_7435	7434	7435	-35.7255	-13.4445	-0.0225	0.102	-1.353	217.38	1
7435_7435	7435	7435	31.8375	-1.668	-1.6275	-0.063	1.95	99.939	1
7435_7436	7435	7436	-41.4435	-17.832	-0.867	-0.159	-10.8195	408.378	1
7436_7436	7436	7436	22.788	-1.0365	-1.287	0.387	-12.039	100.665	1
7436_7437	7436	7437	-42.027	-18.8235	-0.84	0.714	-14.208	472.653	1
7437_7437	7437	7437	22.824	-0.8625	-1.5075	-0.0585	-17.1135	104.28	1
7437_7072	7437	7072	-46.1025	-23.106	4.239	-0.0555	0.7725	557.745	1
7440_7094	7440	7094	47.046	-22.7655	4.272	-0.0705	-2.8665	-539.55	1
7440_7441	7440	7441	-21.2115	-0.834	-1.599	-0.0435	8.919	-96.9255	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
7441_7441	7441	7441	41.7165	-18.465	-0.783	0.315	12.2895	-458.793	1
7441_7442	7441	7442	-20.166	-0.9945	-0.6525	0.1845	5.883	-91.1025	1
7442_7442	7442	7442	41.169	-17.454	-0.7725	-0.0195	9.3255	-395.559	1
7442_7443	7442	7443	-29.301	-1.5945	-0.9705	0.0165	-1.557	-91.9185	1
7443_7443	7443	7443	35.586	-13.0305	-0.012	0.06	0.831	-208.703	1
7443_7444	7443	7444	-39.9255	-2.6835	0.108	0.0825	-0.714	-84.8835	1
7444_7444	7444	7444	33.0765	-12.1845	-0.0105	0.0645	0.7575	-112.95	1
7444_7445	7444	7445	-44.5125	-3.687	0.102	0.132	-0.0135	-63.093	1
7445_7445	7445	7445	32.34	-9.282	-0.0405	0.0435	0.6045	-21.8415	1
7445_7446	7445	7446	-51.7995	-5.364	-0.117	0.126	-1.35	9.1965	1
7446_7446	7446	7446	32.103	-7.5615	0.1665	-0.1095	0.0315	114.0525	1
7446_7447	7446	7447	-58.6515	-7.4865	0.663	0.117	4.887	70.476	1
7447_7447	7447	7447	31.9695	-6.915	0.093	0.246	1.59	181.983	1
7447_7448	7447	7448	-61.1415	-8.6985	0.7815	0.168	9.1305	115.3365	1
7448_7448	7448	7448	33.753	-13.6875	-0.7785	0.1605	3.555	201.0315	1
7448_7449	7448	7449	18.4965	-0.591	-0.1575	-1.161	-7.554	-55.8075	1
7449_7449	7449	7449	-13.0605	-0.372	-0.2415	-0.7695	4.992	41.055	1
7449_7450	7449	7450	-33.081	-13.5855	-0.8475	0.2205	-4.1145	-201.245	1
7450_7450	7450	7450	63.201	-9.015	0.807	0.054	-10.4715	-119.322	1
7450_7451	7450	7451	-31.998	-6.9465	0.162	-0.0315	-1.344	-180.875	1
7451_7451	7451	7451	61.2135	-7.761	0.8475	0.1995	-6.129	-72.066	1
7451_7452	7451	7452	-31.8525	-7.5885	0.1515	0.0585	-0.03	-113.727	1
7452_7452	7452	7452	54.3015	-5.5545	-0.15	0.135	1.7205	-8.4945	1
7452_7453	7452	7453	-31.968	-9.2835	-0.042	0.0435	-0.5565	22.26	1
7453_7453	7453	7453	46.722	-3.7965	0.138	0.1185	-0.0735	66.345	1
7453_7454	7453	7454	-32.5155	-12.1575	-0.0225	0.0345	-0.7815	113.3175	1
7454_7454	7454	7454	42.3195	-2.739	0.1215	0.114	0.873	89.169	1
7454_7455	7454	7455	-34.8465	-12.981	-0.0105	0.0915	-0.87	208.8435	1
7455_7455	7455	7455	31.9755	-1.5705	-1.191	-0.0015	1.881	97.251	1
7455_7456	7455	7456	-40.155	-17.3865	-0.7395	-0.072	-8.9925	395.169	1
7456_7456	7456	7456	22.9545	-0.942	-0.9165	0.276	-8.28	96.588	1
7456_7457	7456	7457	-40.6965	-18.3285	-0.7275	0.4785	-11.8065	457.7145	1
7457_7457	7457	7457	23.0025	-0.765	-1.467	-0.0555	-11.9265	99.87	1
7457_7110	7457	7110	-44.562	-22.7145	4.2	-0.0585	3.5745	541.5075	1
7460_7132	7460	7132	57.522	-25.7235	2.844	-0.0705	0.3285	-554.978	1
7460_7461	7460	7461	27.5355	-1.734	-0.306	-0.0345	11.8905	50.928	1
7461_7461	7461	7461	49.323	-19.0395	-0.84	-0.054	12.078	-456.572	1
7461_7462	7461	7462	-13.635	-2.2815	-0.474	0.0615	4.632	-93.681	1
7462_7462	7462	7462	44.7675	-17.9385	-0.741	0.084	8.664	-399.018	1
7462_7463	7462	7463	-19.164	-2.667	-0.6525	0.036	-0.8055	-73.6875	1
7463_7463	7463	7463	38.814	-13.5735	-0.045	-0.012	0.846	-209.189	1
7463_7464	7463	7464	-25.1895	-3.4815	0.0615	0.0285	-0.18	-54.1185	1
7464_7464	7464	7464	38.1825	-12.6675	0.003	0.1335	0.579	-111.824	1
7464_7465	7464	7465	-31.941	-4.1655	0.024	0.1215	0.0135	-29.9655	1
7465_7465	7465	7465	35.256	-9.8955	-0.027	0.0435	0.552	-20.3805	1
7465_7466	7465	7466	-38.739	-5.4285	-0.045	0.084	-0.426	44.0415	1
7466_7466	7466	7466	32.886	-8.355	-0.051	0.0885	0.177	124.305	1
7466_7467	7466	7467	-81.846	-7.8555	0.435	-0.0495	2.9085	54.942	1
7467_7467	7467	7467	32.148	-7.689	-0.0135	-0.093	-0.2715	198.6555	1
7467_7468	7467	7468	-85.6395	-9.576	0.3525	-0.1605	4.8585	104.1555	1
7468_7468	7468	7468	64.53	-16.5405	-0.543	-0.0555	-2.97	147.8565	1
7468_7469	7468	7469	25.554	-1.764	0.705	-0.462	-0.948	-44.646	1
7469_7469	7469	7469	-24.918	-2.4015	0.5025	-0.333	0.675	21.399	1
7469_7470	7469	7470	-61.0695	-16.6935	-0.69	0.0975	2.151	-161.997	1
7470_7470	7470	7470	56.2185	-9.663	-0.006	0.096	0.3555	-165.317	1
7470_7471	7470	7471	-33.5145	-7.968	-0.0435	0.006	0.135	-199.812	1
7471_7471	7471	7471	54.336	-8.511	0.021	0.111	0.177	-114.386	1
7471_7472	7471	7472	-33.339	-8.67	-0.048	0.042	-0.3105	-122.964	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
7472_7472	7472	7472	48.7725	-6.675	-0.066	0.099	0.6435	-42.7095	1
7472_7473	7472	7473	-35.2575	-10.401	-0.015	0.048	-0.45	28.6785	1
7473_7473	7473	7473	44.427	-5.07	0.117	0.036	-0.0555	51.0195	1
7473_7474	7473	7474	-36.93	-13.5	-0.051	-0.0405	-0.801	126.591	1
7474_7474	7474	7474	40.6275	-4.0935	0.0525	0.138	0.7185	84.504	1
7474_7475	7474	7475	-37.4595	-14.367	-0.0045	0.1605	-0.897	229.8525	1
7475_7475	7475	7475	33.57	-2.9685	-0.8955	0.021	1.302	106.992	1
7475_7476	7475	7476	-43.122	-19.032	-0.6495	0.018	-7.875	432.753	1
7476_7476	7476	7476	27.5565	-2.241	-0.7335	0.162	-6.894	128.982	1
7476_7477	7476	7477	-47.3895	-20.079	-0.7065	0.1335	-10.8015	494.337	1
7477_7477	7477	7477	27.6255	-2.1015	-0.6615	-0.039	-9.9105	136.7985	1
7477_7148	7477	7148	-48.81	-24.5235	4.2915	-0.0615	5.595	591.405	1
7480_7168	7480	7168	52.6245	-25.071	3.8805	-0.0525	-3.912	-607.752	1
7480_7481	7480	7481	-21.4845	-1.5735	-0.708	-0.0345	9.0945	-106.112	1
7481_7481	7481	7481	51.1995	-20.706	-0.762	-0.6915	10.4265	-508.658	1
7481_7482	7481	7482	-19.1685	-1.7265	-0.5835	-0.045	5.826	-95.607	1
7482_7482	7482	7482	46.614	-19.5825	-0.5925	0.282	7.623	-445.707	1
7482_7483	7482	7483	-26.259	-2.277	-0.807	0.0735	-1.2225	-82.7445	1
7483_7483	7483	7483	40.419	-14.9145	-0.042	0.063	1.1835	-237.483	1
7483_7484	7483	7484	-34.992	-3.246	0.0855	0.0585	-0.5115	-67.1385	1
7484_7484	7484	7484	39.813	-13.986	-0.0405	0.0465	0.8835	-130.341	1
7484_7485	7484	7485	-41.295	-4.119	0.0885	0.078	0.102	-42.0165	1
7485_7485	7485	7485	37.0275	-10.8915	-0.0345	0.039	0.5655	-28.5	1
7485_7486	7485	7486	-46.872	-5.685	-0.06	0.078	-0.5595	37.1955	1
7486_7486	7486	7486	35.532	-9.138	-0.0285	0.093	0.114	130.326	1
7486_7487	7486	7487	-52.395	-7.6095	-0.003	0.1185	-0.3465	101.433	1
7487_7487	7487	7487	35.109	-8.4135	0.006	-0.1005	-0.1815	211.536	1
7487_7488	7487	7488	-87.417	-8.7765	0.291	-0.132	4.1805	80.46	1
7488_7488	7488	7488	66.441	-17.724	-0.795	0.0585	-2.196	165.603	1
7488_7489	7488	7489	28.6635	-2.616	0.3525	-0.432	-2.004	-28.404	1
7489_7489	7489	7489	-22.458	-1.974	0.579	-0.441	1.4685	29.262	1
7489_7490	7489	7490	-68.514	-18.162	-0.765	0.06	2.265	-169.953	1
7490_7490	7490	7490	51.0405	-8.7765	-0.024	0.159	0.8625	-157.425	1
7490_7491	7490	7491	-36.15	-8.409	-0.0285	0.1425	-0.2595	-214.013	1
7491_7491	7491	7491	48.7125	-7.725	-0.0555	0.0405	0.6165	-111.986	1
7491_7492	7491	7492	-36.612	-9.1725	-0.003	-0.051	-0.1545	-132.506	1
7492_7492	7492	7492	43.23	-6.0105	-0.042	0.075	0.384	-47.5305	1
7492_7493	7492	7493	-39.1305	-10.989	-0.036	0.0405	-0.678	27.7155	1
7493_7493	7493	7493	36.126	-4.593	0.039	0.114	-0.018	34.587	1
7493_7494	7493	7494	-41.331	-14.2005	-0.0105	0.129	-0.7845	130.458	1
7494_7494	7494	7494	31.3755	-3.816	0.0825	0.015	0.288	63.633	1
7494_7495	7494	7495	-41.97	-15.1695	-0.06	-0.0285	-1.1505	239.4315	1
7495_7495	7495	7495	22.8675	-2.9595	-0.558	0.018	0.9495	82.752	1
7495_7496	7495	7496	-48.417	-19.899	-0.5115	0.018	-6.7125	451.2165	1
7496_7496	7496	7496	17.0565	-2.478	-0.405	0.087	-3.669	104.919	1
7496_7497	7496	7497	-53.1345	-21.09	-0.5715	0.102	-9.1725	515.787	1
7497_7497	7497	7497	18.162	-2.343	-1.089	-0.0285	-5.6205	115.7565	1
7497_7184	7497	7184	-54.6855	-25.368	3.6795	-0.0705	4.8645	616.152	1
7500_7204	7500	7204	47.8125	-25.1775	3.5145	-0.0765	-5.751	-647.369	1
7500_7501	7500	7501	-11.4615	-0.3435	-0.9465	-0.0495	7.359	-53.2035	1
7501_7501	7501	7501	46.8	-21.123	-0.3975	0.2475	8.016	-546.323	1
7501_7502	7501	7502	-12.645	-0.4605	-0.6	0.15	5.697	-55.2105	1
7502_7502	7502	7502	45.7425	-20.0085	-0.3825	-0.0075	6.354	-474.551	1
7502_7503	7502	7503	-63.024	-1.035	1.17	-0.0075	1.095	-101.613	1
7503_7503	7503	7503	40.158	-15.6675	-0.051	0.18	2.073	-259.851	1
7503_7504	7503	7504	-72.4635	-2.64	-0.147	-0.018	-0.0945	-100.692	1
7504_7504	7504	7504	36.8625	-14.799	-0.0975	-0.0645	1.5735	-144.899	1
7504_7505	7504	7505	-78.9255	-4.407	-0.039	-0.1605	-0.528	-74.79	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
7505_7505	7505	7505	34.3365	-11.7975	-0.0465	0.03	0.756	-31.9815	1
7505_7506	7505	7506	-80.109	-6.5955	-0.036	-0.102	-1.053	15.243	1
7506_7506	7506	7506	33.7995	-9.975	0.1065	0.0975	0.111	141.105	1
7506_7507	7506	7507	-80.883	-9.147	0.258	-0.072	1.2315	91.6485	1
7507_7507	7507	7507	33.9105	-9.279	0.1335	-0.1365	0.9525	229.8015	1
7507_7508	7507	7508	-83.859	-10.8435	0.1335	-0.177	1.6005	148.287	1
7508_7508	7508	7508	36.324	-16.3155	-0.711	0.0435	2.844	252.4125	1
7508_7509	7508	7509	18.36	-0.702	0.669	-0.6465	-3.846	-44.022	1
7509_7509	7509	7509	-18.4605	-1.056	-0.4545	-0.6015	3.846	44.064	1
7509_7510	7509	7510	-35.0745	-16.461	-0.969	0.357	-5.5875	-260.46	1
7510_7510	7510	7510	75.345	-10.698	1.1085	0.0585	-14.3565	-147.141	1
7510_7511	7510	7511	-34.251	-9.471	0.2025	0.129	-2.3025	-229.379	1
7511_7511	7511	7511	72.729	-9.168	1.0575	0.144	-8.3535	-91.419	1
7511_7512	7511	7512	-34.0485	-10.173	0.2295	-0.0375	-0.174	-139.308	1
7512_7512	7512	7512	64.9275	-6.531	-0.108	0.105	1.2765	-14.826	1
7512_7513	7512	7513	-35.8035	-12.1155	-0.066	0.048	-1.0575	40.419	1
7513_7513	7513	7513	57.0195	-4.368	0.033	0.0855	0.0165	75.0045	1
7513_7514	7513	7514	-39.3555	-15.225	-0.03	0.039	-1.338	154.7325	1
7514_7514	7514	7514	49.4205	-3.135	0.033	0.078	0.2925	99.309	1
7514_7515	7514	7515	-38.9925	-16.1355	-0.0285	0.0765	-1.5405	271.0275	1
7515_7515	7515	7515	37.758	-1.7745	-0.627	-0.135	0.753	110.265	1
7515_7516	7515	7516	-45.96	-20.4525	-0.2745	-0.579	-4.731	491.274	1
7516_7516	7516	7516	25.449	-1.038	-0.522	0.471	-3.813	105.846	1
7516_7517	7516	7517	-46.6005	-21.561	-0.102	1.7985	-5.874	565.008	1
7517_7517	7517	7517	26.715	-0.9225	-1.608	-0.039	-6.447	112.479	1
7517_7220	7517	7220	-51.1095	-25.6095	3.537	0.0765	5.346	659.598	1
7520_7240	7520	7240	52.4475	-16.704	8.4705	1.0215	-4.5585	-671.118	1
7520_7521	7520	7521	-111.194	-15.114	-3.519	-0.225	-30.6945	-89.6325	1
7521_7521	7521	7521	61.1745	-23.7045	-0.7695	1.3815	21.03	-635.196	1
7521_7522	7521	7522	-14.724	-0.5835	-0.8775	0.3405	9.219	-66.8985	1
7522_7522	7522	7522	58.17	-22.2705	-0.7665	-0.192	16.755	-556.293	1
7522_7523	7522	7523	-25.389	-1.0755	-1.233	-0.0255	0.222	-80.4855	1
7523_7523	7523	7523	54.69	-18.2145	-0.3585	0.3075	7.7985	-313.959	1
7523_7524	7523	7524	-42.5535	-2.364	-0.0375	0.1665	0.0615	-82.3365	1
7524_7524	7524	7524	51.588	-16.9845	-0.447	-0.168	4.917	-179.087	1
7524_7525	7524	7525	-81.375	-4.068	0.03	-0.165	0.3465	-78.396	1
7525_7525	7525	7525	49.716	-13.752	-0.258	-0.006	1.3815	-52.9815	1
7525_7526	7525	7526	-87.906	-6.4965	-0.117	-0.0915	-0.864	5.55	1
7526_7526	7526	7526	47.4015	-11.448	0.045	-0.3375	-2.517	151.656	1
7526_7527	7526	7527	-89.28	-9.486	1.8735	-0.0915	16.164	83.331	1
7527_7527	7527	7527	47.6265	-10.4715	-0.069	0.3765	-1.8195	253.026	1
7527_7528	7527	7528	-89.061	-11.3175	2.1225	-0.2025	28.0575	146.208	1
7528_7528	7528	7528	47.4375	-20.232	0.366	-0.8085	-6.9915	284.4255	1
7528_7529	7528	7529	23.298	-1.0035	0.5295	-2.208	-18.8835	-65.6055	1
7529_7529	7529	7529	-22.188	-1.134	-0.3555	0.555	-5.1405	53.9955	1
7529_7530	7529	7530	-49.0815	-20.1435	-0.8115	1.0545	-11.2035	-289.763	1
7530_7530	7530	7530	76.971	-10.578	2.337	0.0285	-32.3445	-144.65	1
7530_7531	7530	7531	-47.7375	-10.0665	-0.048	0.552	-5.3535	-259.124	1
7531_7531	7531	7531	77.1825	-8.979	2.0625	0.1395	-19.221	-85.884	1
7531_7532	7531	7532	-48.951	-11.0805	0.231	-0.1995	-4.02	-156.773	1
7532_7532	7532	7532	67.404	-6.402	0.2175	0.069	-0.828	-12.84	1
7532_7533	7532	7533	-51.054	-13.3695	0.279	0.0285	0.282	39.1155	1
7533_7533	7533	7533	57.558	-4.176	0.1425	-0.036	2.3265	73.9635	1
7533_7534	7533	7534	-54.831	-16.6425	0.2205	-0.1845	2.0205	163.7535	1
7534_7534	7534	7534	49.359	-2.958	0.027	0.1125	3.048	96.1965	1
7534_7535	7534	7535	-56.46	-17.9145	0.33	0.135	4.308	294.009	1
7535_7535	7535	7535	34.743	-1.6515	0.123	-0.039	3.0735	101.901	1
7535_7536	7535	7536	-61.608	-22.1745	-0.1995	-0.471	2.0715	533.7345	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
7536_7536	7536	7536	24.6435	-0.9405	0.0285	0.1635	3.5565	99.1635	1
7536_7537	7536	7537	-62.304	-23.646	-0.0405	0.9855	1.509	614.3985	1
7537_7537	7537	7537	27.717	-0.9015	-1.596	-1.116	4.0575	108.819	1
7537_7253	7537	7253	-68.166	-26.8935	0.054	-0.0585	1.1685	710.4195	1
7540_7275	7540	7275	67.0515	-24.1245	-0.252	0.2085	-3.2805	-684.597	1
7540_7541	7540	7541	-13.431	-0.4515	0.0075	0.123	-7.3245	-36.87	1
7541_7541	7541	7541	61.8165	-22.1025	0.918	1.17	-3.429	-596.4	1
7541_7542	7541	7542	-10.6065	-0.414	0.408	-0.057	-5.0745	-29.952	1
7542_7542	7542	7542	59.3865	-20.5695	0.768	0.0675	-0.114	-521.801	1
7542_7543	7542	7543	-52.5105	-1.1925	0.561	-0.024	0.8595	-87.2625	1
7543_7543	7543	7543	54.951	-17.2395	-0.2505	0.42	7.578	-295.715	1
7543_7544	7543	7544	-72.9165	-2.628	-0.279	0.1005	0.9075	-103.443	1
7544_7544	7544	7544	55.3425	-15.939	-0.39	-0.198	5.613	-171.411	1
7544_7545	7544	7545	-82.4895	-4.4625	-0.087	-0.2295	0.444	-80.805	1
7545_7545	7545	7545	50.856	-13.281	-0.489	-0.0705	1.8795	-47.3955	1
7545_7546	7545	7546	-89.46	-7.0545	-0.0915	-0.126	-0.096	10.623	1
7546_7546	7546	7546	49.1085	-11.235	-0.174	-0.522	-5.43	149.595	1
7546_7547	7546	7547	-91.464	-10.515	3.0705	-0.096	27.9345	97.7385	1
7547_7547	7547	7547	49.3335	-10.2015	-0.312	0.3945	-6.6285	249.1245	1
7547_7548	7547	7548	-91.212	-12.4305	3.3705	-0.381	46.7835	166.7385	1
7548_7548	7548	7548	47.886	-20.559	1.4385	-2.2425	-17.805	282.8685	1
7548_7549	7548	7549	17.238	-0.4035	0.681	-2.5995	-19.0275	-63.231	1
7549_7549	7549	7549	13.0185	-0.6495	-0.654	2.5665	-16.9605	-55.7025	1
7549_7550	7549	7550	-59.0385	-22.2195	-1.62	2.8665	-24.3555	-264.684	1
7550_7550	7550	7550	78.2895	-12.099	3.414	-0.18	-49.6305	-158.841	1
7550_7551	7550	7551	-52.908	-10.0335	0.1275	0.4125	-9.4335	-250.605	1
7551_7551	7551	7551	75.8715	-10.2915	3.1845	0.3165	-30.1095	-94.8375	1
7551_7552	7551	7552	-52.7805	-11.2725	0.2535	0.0435	-7.1235	-155.381	1
7552_7552	7552	7552	69.2565	-7.6005	0.543	0.0555	-3.06	-12.678	1
7552_7553	7552	7553	-57.474	-13.962	0.54	0.0705	1.011	48.5325	1
7553_7553	7553	7553	55.47	-5.169	0.405	0.0045	4.455	84.336	1
7553_7554	7553	7554	-63.6105	-17.3655	0.5745	-0.135	5.592	177.1365	1
7554_7554	7554	7554	47.079	-3.876	0.318	-0.0045	6.756	111.4485	1
7554_7555	7554	7555	-64.143	-18.972	0.6585	-0.0285	10.1925	311.0295	1
7555_7555	7555	7555	30.7755	-2.571	-0.783	-0.0465	8.0535	118.2915	1
7555_7556	7555	7556	-68.463	-23.232	0.141	-0.318	11.9145	557.577	1
7556_7556	7556	7556	22.272	-1.845	-0.7815	0.051	-1.3455	126.5355	1
7556_7557	7556	7557	-74.3955	-25.176	0.21	-0.405	13.059	632.1525	1
7557_7557	7557	7557	58.665	-5.8875	-8.2905	-0.813	2.151	168.5595	1
7557_7288	7557	7288	-67.9635	-22.335	-4.209	-0.336	-5.7435	735.792	1
47000_7000	47000	7000	-0.729	-5.184	1.4325	1.0545	0	-6.558	1
47000_7001	47000	7001	-1.254	-80.8515	0.5655	0.4875	5.934	840.0075	1
47001_7001	47001	7001	0.246	-8.235	-0.0705	-0.1125	-0.744	-491.622	1
47001_7002	47001	7002	-1.575	-68.9265	0.753	0.5685	14.9955	1359.909	1
47002_7002	47002	7002	0.4755	-11.6085	0.114	0.138	-3.408	-799.052	1
47002_7003	47002	7003	-1.869	-62.628	-0.618	-0.0795	11.709	1852.055	1
47003_7003	47003	7003	0.6615	-19.9995	0.174	-0.7905	-3.351	-1148.84	1
47003_7004	47003	7004	-2.0475	-50.844	-0.6975	1.5945	5.6475	2105.447	1
47004_7004	47004	7004	1.1385	-24.09	-0.0195	0.9495	-2.0085	-1604.05	1
47004_7005	47004	7005	-2.1435	-53.4075	0.012	-1.218	7.4055	2335.542	1
47005_7005	47005	7005	1.5705	-36.072	-0.027	-2.0895	-3.315	-2007.58	1
47005_7006	47005	7006	-2.19	-43.4505	0.006	2.592	9.069	2404.109	1
47006_7006	47006	7006	1.8585	-33.4515	-0.102	1.1265	-4.8345	-2194.65	1
47006_7007	47006	7007	-2.2005	-49.2105	0.147	-1.197	12.4455	2527.025	1
47007_7007	47007	7007	2.0385	-43.5735	-0.1185	-2.661	-7.5585	-2385.19	1
47007_7008	47007	7008	-2.19	-39.8085	0.162	2.868	16.113	2514.609	1
47008_7008	47008	7008	2.139	-37.9095	-0.2835	1.1865	-10.6485	-2421.03	1
47008_7009	47008	7009	-2.169	-45.948	0.327	-1.332	21.9255	2573.399	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
47009_7009	47009	7009	2.1855	-47.5215	-0.3075	-2.8185	-16.1085	-2516.27	1
47009_7010	47009	7010	-2.1435	-36.636	0.33	2.754	27.6225	2503.286	1
47010_7010	47010	7010	2.1975	-41.499	-0.252	1.1535	-21.963	-2474.84	1
47010_7011	47010	7011	-2.115	-42.2385	0.258	-1.35	32.226	2502.651	1
47011_7011	47011	7011	2.187	-51.117	-0.2625	-2.574	-27.159	-2501.47	1
47011_7012	47011	7012	-2.082	-32.9325	0.2595	2.346	36.4275	2376.054	1
47012_7012	47012	7012	2.166	-45.7395	-0.549	1.3875	-32.268	-2394.09	1
47012_7013	47012	7013	-2.034	-37.347	0.4665	-1.6035	42.726	2301.786	1
47013_7013	47013	7013	2.1405	-55.5375	-0.558	-2.2905	-40.6995	-2347.72	1
47013_7014	47013	7014	-1.9485	-28.2135	0.435	1.9635	47.4645	2123.4	1
47014_7014	47014	7014	2.1135	-51.8775	-0.345	0.4785	-48.516	-2165.88	1
47014_7015	47014	7015	-1.7745	-27.879	0.489	-0.546	52.614	1919.571	1
47015_7015	47015	7015	2.64	-65.289	-0.4305	-0.9405	-55.473	-1948.02	1
47015_7016	47015	7016	-1.461	-21.9165	0.456	0.804	54.2535	1738.584	1
47016_7016	47016	7016	3.5655	-60.1635	0.003	0.8115	-59.2635	-1749.32	1
47016_7017	47016	7017	-0.852	-22.7655	-0.1245	-1.245	48.8145	1521.51	1
47017_7017	47017	7017	5.463	-70.194	0.0975	-0.1275	-58.0335	-1522.08	1
47017_7018	47017	7018	-0.492	-13.353	-0.063	0.0525	42.7875	1151.667	1
47018_7018	47018	7018	7.4175	-74.4405	-0.3015	0.342	-53.349	-1114.71	1
47018_7019	47018	7019	-0.2055	-9.1965	-0.1275	-0.8925	36.813	767.3505	1
47019_7019	47019	7019	10.329	-85.4925	-0.2415	0.681	-53.5185	-694.859	1
47019_7020	47019	7020	-0.372	-2.7615	-0.2295	-0.351	26.6835	333.102	1
47020_7020	47020	7020	-75.954	-12.03	0.3255	1.263	-62.0295	-657.096	1
47020_7021	47020	7021	31.926	-77.307	0.552	-0.6195	21.8235	462.645	1
47021_7021	47021	7021	-66.969	-17.0745	0.1995	0.804	-52.4805	-823.145	1
47021_7022	47021	7022	26.8005	-69.4485	0.6705	-0.477	19.842	672.6345	1
47022_7022	47022	7022	-59.523	-22.332	0.1245	-0.3405	-46.2975	-932.976	1
47022_7023	47022	7023	23.031	-61.5045	0.756	0.1275	19.3935	827.3145	1
47023_7023	47023	7023	-51.3705	-22.689	0.729	1.419	-41.529	-1015.99	1
47023_7024	47023	7024	20.571	-60.2325	-0.081	-0.774	12.93	992.4	1
47024_7024	47024	7024	-43.386	-28.578	0.675	0.279	-32.2965	-1107.94	1
47024_7025	47024	7025	19.3515	-51.984	0.033	0.357	8.253	1090.596	1
47025_7025	47025	7025	-35.868	-35.3115	0.5595	0.189	-24.153	-1159.77	1
47025_7026	47025	7026	19.371	-44.259	0.168	0.402	5.631	1127.03	1
47026_7026	47026	7026	-29.778	-32.7585	0.6255	1.2375	-17.5995	-1168.23	1
47026_7027	47026	7027	20.1705	-49.437	0.288	-0.6405	5.1585	1183.691	1
47027_7027	47027	7027	-26.0505	-37.875	0.5055	1.4955	-12.837	-1202.08	1
47027_7028	47027	7028	21.6015	-43.4565	0.4245	-0.759	6.252	1202.556	1
47028_7028	47028	7028	-23.2695	-43.5435	0.4245	-0.6375	-9.441	-1213.3	1
47028_7029	47028	7029	23.7045	-37.7895	0.51	1.3575	8.6385	1187.303	1
47029_7029	47029	7029	-21.24	-49.5405	0.291	-0.714	-7.302	-1190.27	1
47029_7030	47029	7030	26.5935	-32.685	0.6255	1.29	12.366	1149.578	1
47030_7030	47030	7030	-19.899	-44.2725	0.207	0.525	-6.711	-1129.34	1
47030_7031	47030	7031	31.3635	-35.244	0.54	0.0735	17.439	1136.039	1
47031_7031	47031	7031	-19.2045	-52.008	0.078	0.3675	-7.608	-1087.98	1
47031_7032	47031	7032	37.2705	-28.5075	0.657	0.3015	24.21	1079.219	1
47032_7032	47032	7032	-19.737	-60.2775	-0.0345	-0.8835	-10.539	-984.576	1
47032_7033	47032	7033	43.5315	-22.629	0.7155	1.5255	32.1645	982.566	1
47033_7033	47033	7033	-21.4245	-61.431	0.7215	-0.5295	-15.282	-814.314	1
47033_7034	47033	7034	49.935	-22.2975	0.2205	0.9825	36.648	895.275	1
47034_7034	47034	7034	-24.288	-69.4005	0.5565	0.1335	-14.8935	-655.391	1
47034_7035	47034	7035	55.7655	-17.025	0.4575	-0.0735	44.0745	780.681	1
47035_7035	47035	7035	-28.2825	-77.2845	0.468	-0.4845	-16.7295	-441.32	1
47035_7036	47035	7036	62.787	-11.97	0.5655	1.431	55.455	610.9455	1
47036_7036	47036	7036	-6.462	-6.1305	0.1125	0.921	-5.706	-370.298	1
47036_7037	47036	7037	-34.029	-82.497	-0.1725	1.269	36.9675	524.9505	1
47037_7037	47037	7037	11.883	-9.975	-0.1845	-0.4695	-25.263	-682.905	1
47037_7038	47037	7038	-33.4935	-71.4195	-0.207	0.573	37.3455	870.4365	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
47038_7038	47038	7038	16.644	-14.1615	-0.1575	-0.0015	-30.3285	-1025.27	1
47038_7039	47038	7039	-32.4315	-67.074	0.186	0.231	42.5295	1195.421	1
47039_7039	47039	7039	21.669	-23.553	-0.2805	-1.65	-36.0525	-1337.89	1
47039_7040	47039	7040	-30.273	-57.1695	0.171	1.2105	45.3885	1352.142	1
47040_7040	47040	7040	25.5495	-22.8225	0.2265	1.185	-42.063	-1494.32	1
47040_7041	47040	7041	-28.695	-62.007	0.012	-0.942	45.225	1502.439	1
47041_7041	47041	7041	27.507	-28.8855	0.1245	-1.245	-42.0345	-1614.08	1
47041_7042	47041	7042	-26.259	-48.4155	0.0765	1.209	45.8655	1631.987	1
47042_7042	47042	7042	28.9845	-27.7665	0.378	1.0965	-43.6515	-1708.93	1
47042_7043	47042	7043	-24.699	-52.617	-0.1935	-0.963	42.5295	1787.469	1
47043_7043	47043	7043	28.8435	-37.347	0.318	-1.686	-41.1675	-1826.11	1
47043_7044	47043	7044	-23.4105	-42.1245	-0.0945	1.7235	40.6635	1812.993	1
47044_7044	47044	7044	27.7455	-32.2125	0.132	0.69	-39.105	-1837.06	1
47044_7045	47044	7045	-22.5825	-47.3985	-0.033	-0.402	39.6045	1912.404	1
47045_7045	47045	7045	26.2875	-42.231	0.096	-0.693	-38.817	-1919.34	1
47045_7046	47045	7046	-22.2405	-37.0725	0.0135	0.9675	39.048	1880.292	1
47046_7046	47046	7046	24.7545	-36.513	-0.009	1.476	-38.7285	-1878.18	1
47046_7047	47046	7047	-22.281	-42.6525	0.1335	-1.407	39.786	1927.101	1
47047_7047	47047	7047	23.4675	-46.8585	-0.0795	-1.437	-39.786	-1918.04	1
47047_7048	47047	7048	-22.4625	-32.571	0.189	1.518	40.9995	1848.545	1
47048_7048	47048	7048	22.6215	-41.445	-0.1575	1.0365	-41.706	-1825.79	1
47048_7049	47048	7049	-22.524	-37.554	0.3255	-0.7995	43.3545	1838.577	1
47049_7049	47049	7049	22.2735	-52.02	-0.225	-0.372	-44.511	-1807.78	1
47049_7050	47049	7050	-21.9405	-27.9	0.348	0.639	45.5145	1722.075	1
47050_7050	47050	7050	22.3215	-47.703	0.0165	1.0755	-48.1275	-1656.39	1
47050_7051	47050	7051	-20.052	-28.9185	0.279	-1.059	46.149	1627.556	1
47051_7051	47051	7051	23.103	-61.602	-0.0825	-0.8355	-48.9195	-1521.83	1
47051_7052	47051	7052	-18.207	-22.737	0.3465	1.0395	47.004	1501.121	1
47052_7052	47052	7052	23.9445	-56.427	0.2205	1.1565	-50.208	-1367.69	1
47052_7053	47052	7053	-14.7435	-23.8305	-0.3225	-1.5855	40.0455	1353.47	1
47053_7053	47053	7053	25.383	-66.603	0.276	0.261	-46.9305	-1217.62	1
47053_7054	47053	7054	-10.5285	-14.232	-0.174	-0.009	33.5445	1051.664	1
47054_7054	47054	7054	25.983	-71.121	-0.4035	0.5895	-40.7235	-892.124	1
47054_7055	47054	7055	-6.822	-9.8715	-0.0765	-0.7425	29.637	712.638	1
47055_7055	47055	7055	26.592	-82.5555	-0.3675	1.1805	-42.7155	-545.322	1
47055_7056	47055	7056	18.5685	-4.701	-0.105	1.1595	-9.2505	305.6655	1
47056_7056	47056	7056	-67.596	-11.9595	0.366	1.5765	-53.784	-641.051	1
47056_7057	47056	7057	32.022	-76.341	0.561	-0.963	17.142	536.9295	1
47057_7057	47057	7057	-60.4425	-17.2695	0.2535	0.7935	-44.3715	-816.573	1
47057_7058	47057	7058	27.8715	-68.3925	0.666	-0.4155	16.0755	743.526	1
47058_7058	47058	7058	-54.522	-22.734	0.1605	-0.378	-38.4195	-942.515	1
47058_7059	47058	7059	24.8205	-60.4305	0.759	0.267	16.7025	896.1945	1
47059_7059	47059	7059	-47.871	-23.1015	0.6075	1.986	-34.221	-1036.93	1
47059_7060	47059	7060	22.8435	-59.6775	-0.0705	-1.443	11.4465	1059.705	1
47060_7060	47060	7060	-41.373	-29.067	0.5805	0.6735	-26.7195	-1138.08	1
47060_7061	47060	7061	21.9255	-51.51	0.018	-0.0165	7.6365	1155.561	1
47061_7061	47061	7061	-35.2215	-35.88	0.528	-0.81	-19.9575	-1197.36	1
47061_7062	47061	7062	22.083	-43.884	0.111	1.215	5.4195	1189.346	1
47062_7062	47062	7062	-30.2715	-33.0975	0.507	1.9245	-14.2335	-1210.89	1
47062_7063	47062	7063	22.896	-49.4385	0.2685	-1.197	5.373	1245.725	1
47063_7063	47063	7063	-27.2445	-38.202	0.453	0.0105	-10.5225	-1248.78	1
47063_7064	47063	7064	24.2895	-43.5015	0.342	0.915	6.453	1264.295	1
47064_7064	47064	7064	-24.993	-43.8435	0.342	0.0315	-7.7325	-1263.23	1
47064_7065	47064	7065	26.298	-37.8855	0.4545	0.828	8.838	1248.332	1
47065_7065	47065	7065	-23.3685	-49.7835	0.234	-0.2415	-6.2325	-1242.98	1
47065_7066	47065	7066	29.073	-32.8065	0.5535	1.008	12.402	1209.282	1
47066_7066	47066	7066	-22.3215	-44.1375	0.0645	0.2775	-6.0225	-1184.71	1
47066_7067	47066	7067	33.6765	-35.5965	0.5265	0.645	17.6505	1194.698	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
47067_7067	47067	7067	-21.8565	-51.783	-0.051	0.123	-8.013	-1149.18	1
47067_7068	47067	7068	39.459	-28.8135	0.615	0.792	24.1365	1135.092	1
47068_7068	47068	7068	-22.467	-59.9655	-0.1635	-0.1275	-11.739	-1051.44	1
47068_7069	47068	7069	45.5955	-22.878	0.696	1.0035	31.758	1034.384	1
47069_7069	47069	7069	-24.108	-60.648	0.7275	0.252	-17.055	-885.753	1
47069_7070	47069	7070	51.852	-22.5945	0.201	-0.072	35.7465	942.225	1
47070_7070	47070	7070	-26.844	-68.6175	0.6285	-0.5145	-16.092	-732.239	1
47070_7071	47070	7071	57.4365	-17.1885	0.297	1.1445	41.553	819.915	1
47071_7071	47071	7071	-30.6675	-76.5675	0.4845	-0.6165	-16.8975	-524.597	1
47071_7072	47071	7072	64.2075	-11.9805	0.4755	1.272	51.3735	650.238	1
47072_7072	47072	7072	-4.764	-5.421	0.0585	0.7635	-10.6815	-298.167	1
47072_7073	47072	7073	-29.118	-81.8865	-0.303	1.332	37.551	590.1255	1
47073_7073	47073	7073	9.1995	-9.957	-0.0855	-0.5205	-26.913	-712.839	1
47073_7074	47073	7074	-27.894	-70.473	-0.3375	0.699	35.8395	951.378	1
47074_7074	47074	7074	13.218	-14.313	-0.177	-0.1695	-30.2715	-1059.66	1
47074_7075	47074	7075	-26.2755	-66.072	0.3075	0.435	41.937	1290.882	1
47075_7075	47075	7075	17.5245	-24.042	-0.3225	-1.368	-36.093	-1370.4	1
47075_7076	47075	7076	-23.679	-55.995	0.2595	1.176	45.474	1455.696	1
47076_7076	47076	7076	20.757	-22.812	0.327	0.408	-42.7485	-1528.75	1
47076_7077	47076	7077	-21.87	-61.428	-0.1125	-0.2265	44.0145	1625.409	1
47077_7077	47077	7077	22.176	-29.1	0.2955	-0.9105	-41.7675	-1678.34	1
47077_7078	47077	7078	-19.359	-48.8595	0.0105	1.143	43.245	1776.9	1
47078_7078	47078	7078	22.941	-27.888	0.255	0.5505	-40.3695	-1794.14	1
47078_7079	47078	7079	-17.898	-53.1435	-0.2505	-0.291	40.0965	1931.495	1
47079_7079	47079	7079	22.548	-36.9645	0.2475	-0.972	-38.9235	-1924.41	1
47079_7080	47079	7080	-16.749	-43.401	-0.21	1.2315	37.173	1968.651	1
47080_7080	47080	7080	21.288	-31.926	0.0735	0.7875	-36.942	-1961.51	1
47080_7081	47080	7081	-16.0155	-48.9915	0.003	-0.5775	36.6945	2072.586	1
47081_7081	47081	7081	19.7415	-41.2875	0.039	-1.02	-36.7425	-2061.12	1
47081_7082	47081	7082	-15.7425	-39.366	0.0345	1.227	36.528	2058.422	1
47082_7082	47082	7082	18.2355	-35.265	0.066	0.9255	-36.7965	-2050.03	1
47082_7083	47082	7083	-15.972	-44.718	0.0255	-0.72	36.192	2118.408	1
47083_7083	47083	7083	16.917	-45.4695	0.0315	-0.714	-36.4665	-2116.62	1
47083_7084	47083	7084	-16.6665	-34.572	0.06	0.918	36.279	2044.92	1
47084_7084	47084	7084	16.0635	-39.9855	-0.0525	1.0995	-36.5325	-2048.48	1
47084_7085	47084	7085	-17.592	-40.6035	0.1275	-0.876	37.092	2050.991	1
47085_7085	47085	7085	15.756	-49.6635	-0.087	-0.5355	-37.551	-2056.17	1
47085_7086	47085	7086	-18.573	-31.311	0.153	0.7575	38.004	1948.166	1
47086_7086	47086	7086	15.909	-43.8885	-0.2445	1.9005	-38.9055	-1945.24	1
47086_7087	47086	7087	-19.338	-36.4665	0.285	-1.848	40.1415	1911.054	1
47087_7087	47087	7087	16.479	-53.685	-0.297	-1.188	-42.006	-1903.67	1
47087_7088	47087	7088	-19.4235	-27.426	0.309	1.2615	41.991	1779.398	1
47088_7088	47088	7088	17.3595	-49.2075	-0.015	1.41	-45.477	-1745.59	1
47088_7089	47088	7089	-18.528	-29.2245	0.279	-1.356	42.897	1672.004	1
47089_7089	47089	7089	19.11	-61.2795	-0.1335	-0.9525	-46.164	-1609.2	1
47089_7090	47089	7090	-17.127	-22.878	0.318	1.071	43.6185	1529.969	1
47090_7090	47090	7090	20.5725	-55.8555	0.165	1.047	-47.451	-1445.3	1
47090_7091	47090	7091	-14.142	-23.832	-0.2085	-1.227	37.9755	1367.649	1
47091_7091	47091	7091	22.827	-66.0945	0.204	0.4995	-44.709	-1280.35	1
47091_7092	47091	7092	-10.302	-13.9845	-0.099	-0.2025	32.811	1046.762	1
47092_7092	47092	7092	24.237	-70.3215	-0.369	0.5985	-39.666	-942.272	1
47092_7093	47092	7093	-6.762	-9.738	-0.066	-0.7035	29.124	698.9685	1
47093_7093	47093	7093	25.527	-81.957	-0.3345	1.0845	-41.5035	-581.682	1
47093_7094	47093	7094	6.1335	-5.427	-0.0105	1.005	0.6735	318.645	1
47094_7094	47094	7094	-66.222	-11.8935	0.393	1.4625	-49.7505	-638.165	1
47094_7095	47094	7095	31.965	-75.891	0.513	-0.8685	15.999	527.103	1
47095_7095	47095	7095	-59.3805	-17.19	0.2715	0.8475	-40.695	-806.904	1
47095_7096	47095	7096	27.9285	-67.782	0.6225	-0.4245	15.1725	732.3255	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
47096_7096	47096	7096	-53.7345	-22.71	0.186	-0.357	-35.0625	-930.005	1
47096_7097	47096	7097	24.9285	-59.6775	0.711	0.2925	15.9825	882.1575	1
47097_7097	47097	7097	-47.331	-22.9005	0.6315	1.9125	-31.119	-1021.79	1
47097_7098	47097	7098	22.941	-59.307	-0.1485	-1.365	10.662	1045.137	1
47098_7098	47098	7098	-41.049	-28.923	0.612	0.6645	-23.835	-1122.23	1
47098_7099	47098	7099	21.9375	-51.0495	-0.0675	-0.012	6.6675	1139.375	1
47099_7099	47099	7099	-35.079	-35.8305	0.5715	-0.8025	-17.148	-1180.73	1
47099_7100	47099	7100	21.9465	-43.3665	0.0195	1.2015	4.182	1170.965	1
47100_7100	47100	7100	-30.279	-32.6955	0.5475	0.8805	-11.3535	-1192.78	1
47100_7101	47100	7101	22.611	-49.449	0.2265	0.2265	4.2015	1229.142	1
47101_7101	47101	7101	-27.33	-37.8165	0.492	-1.326	-7.659	-1231.69	1
47101_7102	47101	7102	23.8215	-43.446	0.2955	2.457	5.2995	1248.894	1
47102_7102	47102	7102	-25.113	-43.503	0.2985	2.3985	-4.902	-1247.18	1
47102_7103	47102	7103	25.62	-37.761	0.486	-1.281	8.151	1233.591	1
47103_7103	47103	7103	-23.4795	-49.509	0.2295	0.2985	-3.903	-1227.62	1
47103_7104	47103	7104	28.164	-32.643	0.549	0.81	11.979	1194.887	1
47104_7104	47104	7104	-22.389	-43.3755	0.012	0.969	-3.969	-1169.64	1
47104_7105	47104	7105	32.4375	-35.7645	0.5895	-0.3405	18.126	1183.059	1
47105_7105	47105	7105	-21.81	-51.069	-0.0795	-0.3525	-6.714	-1138.66	1
47105_7106	47105	7106	37.9005	-28.8495	0.6345	1.164	25.206	1124.597	1
47106_7106	47106	7106	-22.2435	-59.337	-0.1935	-0.4545	-11.0175	-1044.88	1
47106_7107	47106	7107	43.6965	-22.8225	0.717	1.161	33.3885	1024.077	1
47107_7107	47107	7107	-23.661	-59.634	0.7365	-0.1095	-16.944	-882.155	1
47107_7108	47107	7108	49.647	-22.653	0.126	0.4635	37.1685	932.43	1
47108_7108	47108	7108	-26.1255	-67.7535	0.6135	-0.1185	-16.1895	-733.095	1
47108_7109	47108	7109	54.879	-17.1075	0.2835	0.5235	43.1415	808.8585	1
47109_7109	47109	7109	-29.6445	-75.891	0.5055	-0.606	-17.313	-527.711	1
47109_7110	47109	7110	61.239	-11.802	0.405	1.293	52.6275	638.973	1
47110_7110	47110	7110	-8.8755	-3.51	-0.0405	0.7065	2.313	-232.527	1
47110_7111	47110	7111	-28.755	-80.6475	-0.3705	1.092	45.2955	599.5635	1
47111_7111	47111	7111	8.9325	-10.248	-0.039	-0.678	-31.167	-715.884	1
47111_7112	47111	7112	-27.7665	-68.8155	-0.4005	0.5175	43.752	939.5985	1
47112_7112	47112	7112	12.903	-14.5425	-0.018	-0.318	-35.0865	-1055.85	1
47112_7113	47112	7113	-26.565	-64.5495	0.0285	0.6675	47.0085	1253.076	1
47113_7113	47113	7113	17.154	-24.5295	-0.1005	-0.948	-39.396	-1363.01	1
47113_7114	47113	7114	-24.387	-54.1695	-0.021	0.7965	47.9655	1392.125	1
47114_7114	47114	7114	20.475	-23.5005	0.3555	0.039	-43.6845	-1507.16	1
47114_7115	47114	7115	-22.929	-59.664	-0.2115	0.282	46.116	1538.025	1
47115_7115	47115	7115	22.0875	-29.9505	0.33	-0.45	-42.627	-1631.63	1
47115_7116	47115	7116	-20.9745	-46.878	-0.159	0.7245	43.5015	1644.377	1
47116_7116	47116	7116	23.214	-28.0065	0.405	0.645	-40.857	-1709.63	1
47116_7117	47116	7117	-19.854	-51.6945	-0.3915	-0.4035	38.565	1782.627	1
47117_7117	47117	7117	23.163	-37.314	0.402	-0.843	-37.728	-1818.5	1
47117_7118	47117	7118	-19.0065	-41.5875	-0.348	1.0395	33.9615	1801.716	1
47118_7118	47118	7118	22.353	-31.6965	0.2235	0.2055	-34.002	-1828.11	1
47118_7119	47118	7119	-18.564	-47.562	-0.183	0.1605	31.227	1894.55	1
47119_7119	47119	7119	21.249	-41.298	0.2205	0.138	-31.941	-1908.89	1
47119_7120	47119	7120	-18.5955	-37.536	-0.165	0.2295	28.6185	1864.724	1
47120_7120	47120	7120	20.106	-34.9695	0.207	1.587	-29.652	-1877.83	1
47120_7121	47120	7121	-19.1835	-43.179	-0.126	-1.5705	26.3085	1913.253	1
47121_7121	47121	7121	19.119	-45.522	0.159	-1.308	-27.282	-1929.45	1
47121_7122	47121	7122	-20.277	-32.6385	-0.0705	1.293	24.756	1823.126	1
47122_7122	47122	7122	18.579	-39.825	0.129	1.176	-25.5015	-1842.2	1
47122_7123	47122	7123	-21.609	-39.0075	-0.0495	-0.945	23.634	1819.088	1
47123_7123	47123	7123	18.573	-49.845	0.093	-0.348	-24.21	-1836.45	1
47123_7124	47123	7124	-23.001	-29.37	-0.012	0.576	22.953	1702.646	1
47124_7124	47124	7124	19.0575	-43.9035	-0.006	1.755	-23.406	-1708.25	1
47124_7125	47124	7125	-24.1065	-34.8555	0.072	-1.6575	23.157	1658.583	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
47125_7125	47125	7125	19.992	-54.021	-0.0675	-0.9045	-23.8185	-1653.48	1
47125_7126	47125	7126	-24.3345	-25.596	0.12	1.0275	23.697	1521.261	1
47126_7126	47126	7126	21.2715	-49.2855	0.0885	1.0575	-24.954	-1479.25	1
47126_7127	47126	7127	-23.3745	-27.7395	0.228	-0.855	25.3425	1417.386	1
47127_7127	47127	7127	23.532	-61.7865	-0.036	-0.3675	-24.912	-1325.77	1
47127_7128	47127	7128	-21.8235	-21.312	0.267	0.573	26.7435	1275.995	1
47128_7128	47128	7128	25.2435	-55.911	-0.048	0.9945	-26.145	-1152.68	1
47128_7129	47128	7129	-18.3885	-23.0085	-0.006	-1.293	25.2525	1134.512	1
47129_7129	47129	7129	27.7275	-66.1725	-0.018	0.0585	-27.174	-993.891	1
47129_7130	47129	7130	-13.848	-13.134	0.156	0.126	25.6455	843.4065	1
47130_7130	47130	7130	29.1885	-70.854	0.879	0.6	-26.5485	-663.861	1
47130_7131	47130	7131	-9.675	-8.2815	-1.233	-0.42	10.041	511.332	1
47131_7131	47131	7131	30.849	-82.4265	0.894	0.963	-14.6265	-310.868	1
47131_7132	47131	7132	7.0425	-5.8965	0.3135	0.5775	18.7095	425.2935	1
47132_7132	47132	7132	-73.0725	-8.757	-0.63	0.0135	-10.995	-461.199	1
47132_7133	47132	7133	33.303	-76.758	1.401	0.9045	0.8265	414.702	1
47133_7133	47133	7133	-64.6665	-14.6505	-0.858	0.48	-14.5995	-682.551	1
47133_7134	47133	7134	28.47	-68.172	1.5285	0.333	9.597	640.9605	1
47134_7134	47134	7134	-58.173	-20.433	-1.134	2.2305	-19.6635	-821.712	1
47134_7135	47134	7135	24.72	-59.5755	1.659	-0.5985	19.953	802.1835	1
47135_7135	47135	7135	-50.904	-21.417	0.786	1.329	-27.6645	-926.622	1
47135_7136	47135	7136	21.9975	-58.701	-0.4395	-0.777	13.707	972.333	1
47136_7136	47136	7136	-43.743	-27.7485	0.789	0.1455	-20.568	-1036.96	1
47136_7137	47136	7137	20.2935	-50.034	-0.3675	0.468	8.385	1069.733	1
47137_7137	47137	7137	-36.918	-34.962	0.723	0.0675	-13.722	-1099.39	1
47137_7138	47137	7138	19.635	-42.003	-0.2565	0.501	4.6035	1100.943	1
47138_7138	47138	7138	-31.278	-31.2135	0.3285	1.719	-7.713	-1112.36	1
47138_7139	47138	7139	19.821	-48.855	0.21	-1.2255	5.094	1163.25	1
47139_7139	47139	7139	-27.729	-36.5535	0.3045	-0.0165	-5.793	-1156.12	1
47139_7140	47139	7140	20.5905	-42.5475	0.255	0.7305	6.3105	1185.008	1
47140_7140	47140	7140	-24.9375	-42.504	0.2265	-0.1005	-4.4685	-1175.02	1
47140_7141	47140	7141	21.993	-36.588	0.3285	0.756	8.3925	1169.625	1
47141_7141	47141	7141	-22.7535	-48.8025	0.1455	-0.2055	-4.05	-1156.92	1
47141_7142	47141	7142	24.189	-31.2345	0.3975	0.7815	11.2605	1129.167	1
47142_7142	47142	7142	-21.1245	-42.312	-0.0045	0.921	-4.5405	-1098.05	1
47142_7143	47142	7143	28.0635	-34.713	0.4065	-0.5205	15.429	1118.456	1
47143_7143	47143	7143	-19.8555	-50.355	-0.0585	-0.2805	-6.8715	-1068.61	1
47143_7144	47143	7144	33.1755	-27.495	0.429	0.8745	20.076	1057.346	1
47144_7144	47144	7144	-19.638	-59.025	-0.135	-0.3825	-10.1805	-972.92	1
47144_7145	47144	7145	38.64	-21.192	0.48	0.882	25.3485	949.9815	1
47145_7145	47145	7145	-20.481	-59.664	0.822	-0.375	-14.469	-804.324	1
47145_7146	47145	7146	44.3085	-20.9835	-0.1815	0.903	25.4475	851.283	1
47146_7146	47146	7146	-22.4385	-68.1285	0.717	0.24	-11.49	-648.224	1
47146_7147	47146	7147	49.2795	-15.2235	0.015	-0.066	27.882	718.941	1
47147_7147	47147	7147	-25.5405	-76.5705	0.657	-0.108	-9.9315	-431.828	1
47147_7148	47147	7148	55.2945	-9.7155	0.1185	0.786	32.787	526.992	1
47148_7148	47148	7148	-21.351	-4.11	0.0255	0.555	-2.466	-354.056	1
47148_7149	47148	7149	-45.2565	-79.68	-0.3075	0.843	28.89	444.0435	1
47149_7149	47149	7149	18.6915	-10.398	-0.1365	-0.252	-21.1875	-621.293	1
47149_7150	47149	7150	-46.227	-68.0895	-0.3375	0.2835	26.463	759.111	1
47150_7150	47150	7150	25.047	-14.8245	-0.123	-0.1515	-23.6595	-937.634	1
47150_7151	47150	7151	-46.7325	-63.7125	0.1905	0.489	30.7785	1048.59	1
47151_7151	47151	7151	31.8405	-24.5475	-0.2535	-0.4425	-27.495	-1206.8	1
47151_7152	47151	7152	-45.7905	-53.6835	0.138	0.4395	32.622	1164.584	1
47152_7152	47152	7152	37.1955	-23.4495	0.3945	-0.7485	-32.337	-1325.87	1
47152_7153	47152	7153	-45.0645	-58.887	-0.1695	1.215	30.3975	1303.478	1
47153_7153	47153	7153	40.101	-29.853	0.4065	0.6135	-30.111	-1429.88	1
47153_7154	47153	7154	-44.1405	-46.11	-0.1515	0.024	27.2475	1392.612	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
47154_7154	47154	7154	43.095	-28.2405	0.2175	0.2205	-26.4045	-1484.44	1
47154_7155	47154	7155	-43.707	-50.1855	-0.1095	0.225	25.2705	1515.45	1
47155_7155	47155	7155	44.295	-37.65	0.2025	0.144	-24.975	-1571.9	1
47155_7156	47155	7156	-43.47	-39.912	-0.075	0.3165	23.769	1520.319	1
47156_7156	47156	7156	44.493	-33.171	0.0975	-0.327	-23.61	-1562.8	1
47156_7157	47156	7157	-43.533	-45.5415	0.0195	0.9465	23.4075	1587.795	1
47157_7157	47157	7157	44.2905	-42.123	0.1185	1.02	-23.2365	-1609.01	1
47157_7158	47157	7158	-43.827	-36.3615	0.0015	-0.3645	22.9245	1561.133	1
47158_7158	47158	7158	43.89	-36.552	0.015	-0.249	-22.6455	-1565.57	1
47158_7159	47158	7159	-44.217	-42.069	0.0945	0.897	23.409	1601.501	1
47159_7159	47159	7159	43.566	-45.693	0.036	1.083	-23.0985	-1588.32	1
47159_7160	47159	7160	-44.4375	-33.1095	0.069	-0.4425	23.622	1552.476	1
47160_7160	47160	7160	43.4655	-40.2645	-0.1335	-0.12	-23.3505	-1517.65	1
47160_7161	47160	7161	-44.286	-37.635	0.282	0.783	26.0685	1558.647	1
47161_7161	47161	7161	43.6605	-50.4405	-0.135	0.9705	-25.74	-1507.89	1
47161_7162	47161	7162	-43.1565	-28.2255	0.255	-0.369	27.999	1468.107	1
47162_7162	47162	7162	44.0685	-46.7025	-0.0855	0.657	-28.314	-1382.09	1
47162_7163	47162	7163	-40.2645	-29.613	0.3525	-0.471	30.981	1405.923	1
47163_7163	47163	7163	45.003	-59.3625	-0.186	-0.2535	-30.861	-1282.97	1
47163_7164	47163	7164	-37.413	-23.2335	0.4245	0.54	33.516	1296.074	1
47164_7164	47164	7164	45.765	-54.642	0.195	0.3975	-33.33	-1140.58	1
47164_7165	47164	7165	-32.1165	-24.0465	-0.3045	-0.333	28.0965	1167.936	1
47165_7165	47165	7165	46.7805	-64.599	0.255	0.6885	-30.9405	-1010.44	1
47165_7166	47165	7166	-25.356	-14.4675	-0.18	-0.327	23.6355	891.7005	1
47166_7166	47166	7166	46.401	-69.402	-0.339	0.2865	-26.028	-710.186	1
47166_7167	47166	7167	-18.954	-10.0275	-0.1785	-0.282	20.643	573.1875	1
47167_7167	47167	7167	45.5055	-80.7825	-0.3015	0.894	-28.488	-382.263	1
47167_7168	47167	7168	21.7515	-4.842	-0.0255	0.6015	3.738	421.383	1
47168_7168	47168	7168	-60.5865	-9.93	0.1755	0.936	-33.57	-525.014	1
47168_7169	47168	7169	28.659	-77.6865	0.63	-0.3255	9.9285	423.2985	1
47169_7169	47169	7169	-54.2625	-15.246	0.066	0.1875	-28.0755	-718.68	1
47169_7170	47169	7170	25.1115	-69.477	0.696	-0.0375	11.202	648.8175	1
47170_7170	47170	7170	-48.975	-20.7885	-0.081	0.168	-25.281	-852.6	1
47170_7171	47170	7171	22.728	-61.2075	0.7755	-0.078	13.767	815.082	1
47171_7171	47171	7171	-42.945	-21.228	0.5085	0.237	-24.4875	-955.544	1
47171_7172	47171	7172	21.5145	-60.081	-0.0645	0.4035	10.0935	990.6855	1
47172_7172	47172	7172	-37.059	-27.357	0.39	1.341	-19.2255	-1066.17	1
47172_7173	47172	7173	21.384	-51.5415	0.051	-0.603	7.7595	1094.999	1
47173_7173	47173	7173	-31.494	-34.3755	0.3585	-0.108	-15.2025	-1133.32	1
47173_7174	47173	7174	22.368	-43.56	0.1125	0.735	6.543	1133.393	1
47174_7174	47174	7174	-27.1515	-31.632	0.462	-0.0075	-11.832	-1152.98	1
47174_7175	47174	7175	23.823	-49.203	0.1845	0.729	6.4965	1193.021	1
47175_7175	47175	7175	-24.615	-36.9105	0.339	1.7805	-8.973	-1195.6	1
47175_7176	47175	7176	25.872	-43.008	0.321	-1.0965	7.686	1212.602	1
47176_7176	47176	7176	-22.8855	-42.765	0.2895	-0.1665	-7.251	-1213.63	1
47176_7177	47176	7177	28.56	-37.14	0.366	0.9165	9.678	1195.637	1
47177_7177	47177	7177	-21.8115	-48.951	0.1935	-0.2385	-6.372	-1195.23	1
47177_7178	47177	7178	32.031	-31.848	0.447	0.9135	12.603	1153.946	1
47178_7178	47178	7178	-21.336	-43.4835	0.123	-0.174	-6.5625	-1136.67	1
47178_7179	47178	7179	37.5765	-34.6095	0.3045	0.918	15.7365	1135.415	1
47179_7179	47179	7179	-21.675	-51.435	0.0135	0.9375	-7.8645	-1098.7	1
47179_7180	47179	7180	44.2875	-27.6015	0.4335	-0.312	20.163	1069.611	1
47180_7180	47180	7180	-23.124	-59.94	-0.0435	-0.3315	-10.575	-995.217	1
47180_7181	47180	7181	51.279	-21.4695	0.4455	0.9915	25.0965	960.2625	1
47181_7181	47181	7181	-25.6665	-61.2615	0.8055	0.048	-14.181	-820.83	1
47181_7182	47181	7182	58.368	-20.9715	-0.1245	0.63	25.587	857.787	1
47182_7182	47182	7182	-29.2875	-69.486	0.72	-0.108	-11.4045	-654.593	1
47182_7183	47182	7183	64.6245	-15.453	0.027	0.762	28.1175	724.7925	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
47183_7183	47183	7183	-34.032	-77.6445	0.573	0.3015	-9.9975	-430.122	1
47183_7184	47183	7184	72.039	-10.143	0.267	0.2595	34.3665	532.692	1
47184_7184	47184	7184	-8.751	-5.2185	0.0735	0.351	-4.5585	-327.219	1
47184_7185	47184	7185	-35.829	-83.3295	-0.273	1.203	29.97	360.039	1
47185_7185	47185	7185	12.7155	-9.162	-0.156	0.1845	-22.1595	-554.907	1
47185_7186	47185	7186	-35.7855	-72.153	-0.3525	0.384	27.5205	722.967	1
47186_7186	47186	7186	17.76	-13.6365	-0.2205	-0.7695	-25.0305	-888.321	1
47186_7187	47186	7187	-35.34	-67.0815	0.3075	1.314	33.042	1061.967	1
47187_7187	47187	7187	23.235	-23.0235	-0.309	0.5775	-29.91	-1188.7	1
47187_7188	47187	7188	-33.7515	-57.069	0.21	-0.078	35.904	1230.101	1
47188_7188	47188	7188	27.4965	-22.6875	0.282	-0.6795	-35.5335	-1344.79	1
47188_7189	47188	7189	-32.6625	-61.0755	-0.039	1.212	34.839	1391.102	1
47189_7189	47189	7189	29.7285	-28.9695	0.2715	0.762	-34.2975	-1470.1	1
47189_7190	47189	7190	-31.3515	-48.5625	-0.018	-0.057	33.3615	1515.95	1
47190_7190	47190	7190	31.776	-28.3485	0.2625	0.2955	-32.8065	-1566.72	1
47190_7191	47190	7191	-30.708	-51.6855	-0.069	0.2715	31.4955	1651.496	1
47191_7191	47191	7191	32.367	-37.5075	0.231	0.2055	-31.1595	-1674.69	1
47191_7192	47191	7192	-30.3105	-41.7795	-0.018	0.39	30.459	1671.764	1
47192_7192	47192	7192	32.1195	-33.906	-0.0015	0.351	-29.85	-1689.36	1
47192_7193	47192	7193	-30.243	-46.632	0.1755	0.2415	31.4955	1742.417	1
47193_7193	47193	7193	31.6125	-42.5715	-0.039	0.2415	-30.873	-1745.85	1
47193_7194	47193	7194	-30.4125	-37.8195	0.207	0.36	32.9715	1722.549	1
47194_7194	47194	7194	30.99	-37.8255	-0.0015	1.1475	-32.4495	-1714.85	1
47194_7195	47194	7195	-30.684	-42.705	0.183	-0.762	33.8475	1759.706	1
47195_7195	47195	7195	30.498	-46.647	-0.0735	-0.4935	-33.426	-1738.91	1
47195_7196	47195	7196	-30.807	-34.1325	0.2475	0.921	35.511	1711.839	1
47196_7196	47196	7196	30.2565	-42.0945	-0.1935	0.528	-35.3235	-1672.34	1
47196_7197	47196	7197	-30.633	-37.77	0.4215	-0.0165	38.793	1707.776	1
47197_7197	47197	7197	30.312	-51.945	-0.255	0.4335	-38.7255	-1654.5	1
47197_7198	47197	7198	-29.6985	-28.779	0.4455	0.0885	42.138	1611.864	1
47198_7198	47198	7198	30.5865	-49.1565	-0.147	0.855	-43.0665	-1524.67	1
47198_7199	47198	7199	-27.3825	-29.4825	0.306	-0.648	43.347	1530.888	1
47199_7199	47199	7199	31.3695	-61.4475	-0.1935	-0.0885	-46.0545	-1410.88	1
47199_7200	47199	7200	-25.1145	-23.3565	0.375	0.4605	44.67	1417.055	1
47200_7200	47200	7200	32.1405	-58.149	0.051	0.0345	-47.9565	-1260.39	1
47200_7201	47200	7201	-21.0105	-23.331	-0.246	0.555	38.6745	1265.456	1
47201_7201	47201	7201	33.327	-67.9635	0.1665	1.968	-45.909	-1100.37	1
47201_7202	47201	7202	-15.9525	-14.238	-0.195	-1.2495	32.4645	970.1805	1
47202_7202	47202	7202	33.4785	-73.2645	-0.411	0.5865	-40.6965	-775.368	1
47202_7203	47202	7203	-11.3745	-9.882	-0.0885	0.0375	28.236	636.303	1
47203_7203	47203	7203	33.3945	-84.045	-0.3405	1.749	-42.0015	-423.357	1
47203_7204	47203	7204	9.1365	-4.7985	0.024	0.5505	1.353	317.5965	1
47204_7204	47204	7204	-72.153	-11.9295	0.4575	0.7035	-48.015	-609.318	1
47204_7205	47204	7205	34.677	-78.663	0.471	0.018	12.8805	478.2	1
47205_7205	47205	7205	-64.731	-16.926	0.2025	1.3095	-38.1735	-800.103	1
47205_7206	47205	7206	30.1335	-71.145	0.651	-0.4785	12.096	704.5575	1
47206_7206	47206	7206	-58.476	-22.0155	0.111	0.069	-32.9085	-926.645	1
47206_7207	47206	7207	26.766	-63.516	0.729	0.354	12.867	875.631	1
47207_7207	47207	7207	-51.5085	-22.707	0.561	0.522	-29.3265	-1026.79	1
47207_7208	47207	7208	24.5835	-61.743	0.144	0.54	9.648	1053.122	1
47208_7208	47208	7208	-44.6565	-28.407	0.4365	0.2925	-22.686	-1132.68	1
47208_7209	47208	7209	23.5515	-53.733	0.2685	0.726	8.2575	1165.709	1
47209_7209	47209	7209	-38.1255	-34.8945	0.258	1.521	-17.8455	-1200.41	1
47209_7210	47209	7210	23.7105	-46.1535	0.411	-0.321	8.8245	1217.064	1
47210_7210	47210	7210	-32.769	-33.2715	0.645	0.234	-15.0765	-1227.42	1
47210_7211	47210	7211	24.6015	-50.2425	0.27	0.8745	9.0615	1277.106	1
47211_7211	47211	7211	-29.4675	-38.262	0.5295	0.021	-11.244	-1268.56	1
47211_7212	47211	7212	26.1135	-44.4225	0.399	1.047	10.7775	1299.854	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
47212_7212	47212	7212	-26.982	-43.7625	0.3615	1.92	-8.7345	-1287.47	1
47212_7213	47212	7213	28.287	-38.886	0.5685	-0.816	14.1795	1288.631	1
47213_7213	47213	7213	-25.1745	-49.5555	0.279	-0.276	-7.8735	-1272.87	1
47213_7214	47213	7214	31.254	-33.8535	0.6375	1.326	18.654	1254.62	1
47214_7214	47214	7214	-24.0075	-45.714	0.432	0.0645	-8.3115	-1221.25	1
47214_7215	47214	7215	36.1365	-35.391	0.3375	0.897	22.854	1235.745	1
47215_7215	47215	7215	-23.478	-53.259	0.3105	-0.1725	-8.502	-1179.23	1
47215_7216	47215	7216	42.144	-28.8765	0.4605	1.0755	28.656	1175.732	1
47216_7216	47216	7216	-24.138	-61.2405	0.1485	0.9015	-10.605	-1076.19	1
47216_7217	47216	7217	48.4455	-23.1315	0.627	-0.039	36.318	1076.448	1
47217_7217	47217	7217	-25.944	-63.336	0.459	-0.2445	-15.006	-908.114	1
47217_7218	47217	7218	54.8655	-22.2405	0.081	-1.9485	40.2165	980.106	1
47218_7218	47218	7218	-28.908	-70.947	0.435	0.591	-17.0115	-743.129	1
47218_7219	47218	7219	60.5355	-17.1315	0.201	-2.286	45.807	856.4385	1
47219_7219	47219	7219	-32.9985	-78.444	0.732	-3.162	-19.1685	-524.7	1
47219_7220	47219	7220	67.212	-12.09	-0.183	4.1145	50.2665	673.773	1
47220_7220	47220	7220	-9.9885	-5.9505	-0.102	1.2615	19.065	-266.331	1
47220_7221	47220	7221	-36.258	-84.228	-0.4065	0.435	49.2045	574.407	1
47221_7221	47221	7221	12.0915	-10.6935	-0.18	-1.098	-34.3815	-743.721	1
47221_7222	47221	7222	-37.3005	-73.956	-0.453	0.192	46.329	948.495	1
47222_7222	47222	7222	17.274	-15.1845	-0.1275	0.441	-40.533	-1087.68	1
47222_7223	47222	7223	-38.193	-68.6535	0.3435	-0.7275	51.4155	1299.083	1
47223_7223	47223	7223	23.1765	-23.898	-0.312	-1.8	-46.422	-1394.58	1
47223_7224	47223	7224	-38.0175	-59.307	0.372	0.882	55.2795	1480.097	1
47224_7224	47224	7224	28.1085	-24.366	0.4515	3.03	-53.085	-1567.37	1
47224_7225	47224	7225	-37.8915	-62.226	-0.252	-3.51	52.0455	1640.874	1
47225_7225	47225	7225	30.9705	-30.1905	0.327	-2.0385	-51.2295	-1701.67	1
47225_7226	47225	7226	-38.082	-49.4505	-0.057	1.329	48.6795	1789.466	1
47226_7226	47226	7226	34.608	-31.683	0.5205	3	-48.9945	-1818.33	1
47226_7227	47226	7227	-38.3085	-50.901	-0.351	-3.504	42.639	1910.696	1
47227_7227	47227	7227	36.4575	-40.803	0.39	-2.88	-44.2425	-1915.46	1
47227_7228	47227	7228	-38.313	-41.19	-0.171	2.385	38.7345	1913.246	1
47228_7228	47228	7228	37.446	-39.1095	0.3	3.867	-40.509	-1915.65	1
47228_7229	47228	7229	-38.025	-43.185	-0.159	-4.5675	34.998	1945.247	1
47229_7229	47229	7229	38.016	-48.675	0.1185	-3.4905	-37.4805	-1937.46	1
47229_7230	47229	7230	-37.2495	-33.8535	0.0255	2.868	33.351	1864.319	1
47230_7230	47230	7230	38.292	-47.2125	0.0405	3.327	-36.3675	-1843.61	1
47230_7231	47230	7231	-35.616	-34.974	0.324	-4.245	34.9485	1815.864	1
47231_7231	47231	7231	38.3535	-57.5205	-0.1905	-2.8995	-36.54	-1769.44	1
47231_7232	47231	7232	-32.9805	-26.1375	0.4965	2.2635	38.685	1667.798	1
47232_7232	47232	7232	38.0655	-58.71	0.939	3.405	-40.266	-1569.32	1
47232_7233	47232	7233	-32.184	-32.406	-0.711	-4.368	35.8935	1639.902	1
47233_7233	47233	7233	38.2815	-61.047	0.888	1.5435	-37.6635	-1528.01	1
47233_7234	47233	7234	-30.3165	-28.104	-0.5685	-2.0715	31.323	1572.908	1
47234_7234	47234	7234	38.6205	-65.751	0.846	0.2295	-32.709	-1433.62	1
47234_7235	47234	7235	-27.3615	-22.521	-0.375	-0.441	27.006	1438.613	1
47235_7235	47235	7235	38.649	-72.588	0.774	-1.377	-25.947	-1254.75	1
47235_7236	47235	7236	-25.143	-19.1925	-0.2175	1.242	25.794	1326.11	1
47236_7236	47236	7236	38.58	-71.5005	0.1905	0.9885	-21.8955	-1130.75	1
47236_7237	47236	7237	-20.361	-16.422	-0.762	-1.6815	18.2955	1115.136	1
47237_7237	47237	7237	38.361	-79.851	0.189	-0.5715	-19.968	-856.106	1
47237_7238	47237	7238	-16.611	-11.3745	-0.771	0.7665	9.8775	874.6215	1
47238_7238	47238	7238	36.456	-67.6995	-1.629	-0.735	-16.611	-564.245	1
47238_7239	47238	7239	-12.198	-20.5095	1.479	0.642	22.1835	736.866	1
47239_7239	47239	7239	34.215	-75.3405	-1.7505	-1.3455	-30.8385	-401.837	1
47239_7240	47239	7240	-8.91	-14.127	1.341	2.256	33.0135	515.9475	1
47240_7240	47240	7240	-75.579	-20.3565	1.2135	4.302	-58.9515	-878.298	1
47240_7241	47240	7241	44.9745	-67.881	-0.225	-3.9645	26.6505	674.244	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
47241_7241	47241	7241	-70.35	-25.662	1.3215	1.62	-46.5945	-983.795	1
47241_7242	47241	7242	40.8165	-60.1275	-0.1545	-1.875	19.4925	801.4125	1
47242_7242	47242	7242	-64.374	-32.433	1.251	-0.252	-33.1665	-1055.75	1
47242_7243	47242	7243	38.052	-52.8945	-0.0345	-0.8175	14.9865	876.045	1
47243_7243	47243	7243	-58.3125	-22.4985	0.3765	2.13	-22.3125	-1068.25	1
47243_7244	47243	7244	36.462	-63.4095	-0.306	-1.92	8.0265	1114.494	1
47244_7244	47244	7244	-50.943	-29.0925	0.585	-0.315	-16.5105	-1197.61	1
47244_7245	47244	7245	36.597	-54.3615	-0.225	0.4515	3.3675	1252.146	1
47245_7245	47245	7245	-44.9055	-32.427	-0.2565	1.4805	-8.628	-1277.55	1
47245_7246	47245	7246	38.4975	-49.6005	0.603	-1.6395	9.054	1357.037	1
47246_7246	47246	7246	-40.029	-40.6725	-0.2625	-1.4895	-10.413	-1348.19	1
47246_7247	47246	7247	41.7735	-41.3655	0.5235	1.3815	13.8045	1366.524	1
47247_7247	47247	7247	-37.437	-43.14	0.504	2.2455	-13.068	-1348.88	1
47247_7248	47247	7248	46.605	-38.9925	0.0885	-2.7945	14.8395	1361.985	1
47248_7248	47248	7248	-36.345	-51.5445	0.5565	-2.385	-9.5505	-1329.99	1
47248_7249	47248	7249	53.439	-31.0725	0.039	2.079	17.2635	1292.657	1
47249_7249	47249	7249	-36.9	-56.2575	-0.306	0.741	-6.306	-1216.11	1
47249_7250	47249	7250	60.9675	-27.8505	1.332	-1.1115	34.26	1208.864	1
47250_7250	47250	7250	-39.1965	-65.6835	-0.5445	-1.6395	-15.48	-1060.77	1
47250_7251	47250	7251	68.1315	-21.6615	1.155	1.698	49.233	1078.065	1
47251_7251	47251	7251	-43.068	-54.954	0.4815	0.564	-28.9965	-831.134	1
47251_7252	47251	7252	73.713	-32.6325	-0.702	-2.7345	46.1385	1064.375	1
47252_7252	47252	7252	-47.3805	-61.401	0.8475	-1.638	-29.7345	-764.936	1
47252_7253	47252	7253	79.8435	-25.494	-0.942	1.1565	40.251	993.3525	1
47253_7253	47253	7253	5.7945	-26.0475	1.014	-1.2645	-26.5005	-653.468	1
47253_7254	47253	7254	-28.884	-65.3805	-0.9975	3.5895	32.6805	422.685	1
47254_7254	47254	7254	9.336	-14.2065	-0.9075	0.0945	-21.45	-732.171	1
47254_7255	47254	7255	-31.8	-72.411	1.5525	0.354	54.327	690.2625	1
47255_7255	47255	7255	12.705	-21.489	-1.185	-1.1055	-38.142	-981.399	1
47255_7256	47255	7256	-32.517	-64.683	1.6365	0.294	72.867	849.8295	1
47256_7256	47256	7256	16.677	-14.3895	0.543	1.0485	-56.7795	-1124.32	1
47256_7257	47256	7257	-34.17	-77.463	-0.7725	-1.14	66.582	1135.611	1
47257_7257	47257	7257	19.98	-19.4025	0.585	-0.585	-56.448	-1331.59	1
47257_7258	47257	7258	-34.236	-72.081	-0.7005	0.2175	61.6725	1303.046	1
47258_7258	47258	7258	22.416	-23.8095	0.636	-1.695	-54.7905	-1469.2	1
47258_7259	47258	7259	-34.506	-68.1615	-0.651	0.888	58.0815	1420.293	1
47259_7259	47259	7259	24.2355	-22.065	0.333	3.2865	-52.9635	-1550	1
47259_7260	47259	7260	-35.241	-67.7865	-0.3705	-3.9495	55.0035	1601.886	1
47260_7260	47260	7260	26.631	-26.9235	0.2775	-0.6885	-52.2975	-1691.9	1
47260_7261	47260	7261	-36.1215	-60.5175	-0.261	0.138	51.9285	1755.924	1
47261_7261	47261	7261	28.938	-33.222	0.2625	-2.505	-51.465	-1809.54	1
47261_7262	47261	7262	-37.257	-53.841	-0.237	1.605	48.702	1846.521	1
47262_7262	47262	7262	30.9	-30.963	0.498	2.0955	-50.187	-1870.35	1
47262_7263	47262	7263	-38.7045	-53.337	-0.528	-2.616	40.47	1986.918	1
47263_7263	47263	7263	33.3105	-39.6825	0.4605	-1.587	-44.868	-1987.68	1
47263_7264	47263	7264	-39.852	-43.9905	-0.447	1.119	32.4375	2013.372	1
47264_7264	47264	7264	35.3025	-39.3195	0.2685	3.474	-38.8515	-2005.65	1
47264_7265	47264	7265	-40.557	-44.4165	-0.096	-4.263	28.3275	2052.314	1
47265_7265	47265	7265	37.035	-48.72	0.108	-3.063	-34.8765	-2040.22	1
47265_7266	47265	7266	-40.5765	-35.652	0.0615	2.352	25.998	1985.708	1
47266_7266	47266	7266	38.502	-48.5355	0.4455	3.108	-32.7705	-1961.67	1
47266_7267	47266	7267	-39.6615	-36.03	-0.135	-3.9315	21.177	1938.666	1
47267_7267	47267	7267	39.7215	-57.957	0.2925	-1.8435	-26.757	-1889.03	1
47267_7268	47267	7268	-37.6785	-27.8115	0.045	1.254	18.9315	1798.934	1
47268_7268	47268	7268	40.554	-59.499	1.455	5.139	-22.941	-1706.58	1
47268_7269	47268	7269	-36.819	-32.337	-1.35	-6.5145	12.8475	1759.895	1
47269_7269	47269	7269	41.256	-62.3595	1.392	1.8705	-16.9005	-1654.93	1
47269_7270	47269	7270	-33.7905	-25.761	-1.1325	-2.5935	0.285	1629.267	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
47270_7270	47270	7270	42.36	-69.777	1.335	-1.4775	-2.1555	-1483.2	1
47270_7271	47270	7271	-29.8965	-19.749	-0.876	1.029	-9.03	1427.928	1
47271_7271	47271	7271	43.245	-72.1365	2.0445	2.367	12.5415	-1248.37	1
47271_7272	47271	7272	-24.603	-16.6905	-1.395	-3.576	-23.868	1177.511	1
47272_7272	47272	7272	43.4985	-80.916	1.887	-1.275	36.702	-935.769	1
47272_7273	47272	7273	-19.3035	-10.689	-0.903	0.891	-28.5555	852.5115	1
47273_7273	47273	7273	40.104	-66.909	-8.5665	3.381	57.2595	-538.61	1
47273_7274	47273	7274	-15.2655	-26.247	4.3665	-0.333	0.9945	792.765	1
47274_7274	47274	7274	39.585	-70.5495	-8.3085	2.178	8.5485	-458.978	1
47274_7275	47274	7275	-12.0555	-21.318	3.363	1.8855	30.1125	669.735	1
47275_7275	47275	7275	-73.182	-33.666	-5.346	-7.629	-52.053	-1028.04	1
47275_7276	47275	7276	45.6945	-57.054	2.496	-0.567	35.739	721.458	1
47276_7276	47276	7276	-69.585	-23.4435	2.274	2.8725	-77.256	-1025.96	1
47276_7277	47276	7277	43.4535	-66.6345	-0.7575	-2.4735	27.258	784.446	1
47277_7277	47277	7277	-66.8145	-26.295	2.271	1.0845	-64.9245	-1084.69	1
47277_7278	47277	7278	39.8325	-57.0795	-0.3795	-1.098	11.343	920.5995	1
47278_7278	47278	7278	-60.0735	-34.2585	2.1	-1.8765	-36.444	-1160.63	1
47278_7279	47278	7279	38.256	-48.714	-0.096	0.849	3.666	973.9845	1
47279_7279	47279	7279	-53.6625	-28.8045	-0.6675	2.655	-14.8425	-1153.17	1
47279_7280	47279	7280	38.502	-52.0815	0.6645	-2.4645	7.215	1113.755	1
47280_7280	47280	7280	-46.233	-37.644	-0.474	-1.7445	-19.4025	-1215.54	1
47280_7281	47280	7281	41.481	-40.8855	0.4665	1.398	8.4555	1129.659	1
47281_7281	47281	7281	-40.8	-37.146	0.6255	1.143	-21.8355	-1163.2	1
47281_7282	47281	7282	47.2245	-41.2125	0.096	-1.4505	4.533	1145.909	1
47282_7282	47282	7282	-38.2515	-48.273	0.567	-1.5855	-12.0855	-1159.6	1
47282_7283	47282	7283	54.7755	-32.0445	0.096	1.224	3.0915	1089.551	1
47283_7283	47283	7283	-38.4915	-43.3095	-0.024	1.1925	-5.46	-1034.37	1
47283_7284	47283	7284	63.363	-36.8925	1.302	-2.085	15.8895	1127.099	1
47284_7284	47284	7284	-40.9125	-53.1675	-0.132	-2.0565	-8.217	-991.164	1
47284_7285	47284	7285	71.3685	-29.382	1.242	1.8555	29.421	1094.474	1
47285_7285	47285	7285	-44.8215	-50.5185	0.369	0.717	-14.211	-865.014	1
47285_7286	47285	7286	77.9415	-35.7225	-0.744	-2.127	25.7505	1120.643	1
47286_7286	47286	7286	-49.4445	-57.621	0.534	-0.0045	-14.4645	-812.955	1
47286_7287	47286	7287	83.166	-30.117	-0.9105	-0.4065	20.5695	1105.13	1
47287_7287	47287	7287	-54.5385	-64.203	0.7365	-1.3335	-12.6765	-736.469	1
47287_7288	47287	7288	88.335	-24.8355	-1.1265	1.5645	12.7695	1056.366	1
47288_7288	47288	7288	2.3385	-13.8045	-0.756	-0.1035	-1.9725	-654.689	1
47288_7289	47288	7289	-12.7455	-73.0395	0.951	-0.3825	22.3575	886.146	1
47289_7289	47289	7289	2.913	-21.6945	-0.903	-2.4285	-14.703	-976.418	1
47289_7290	47289	7290	-11.3955	-64.188	0.93	1.335	33.8655	1118.609	1
47290_7290	47290	7290	4.2555	-19.4145	0.105	0.9285	-28.0635	-1179.75	1
47290_7291	47290	7291	-10.491	-69.867	0.237	-1.44	36.1185	1309.982	1
47291_7291	47291	7291	4.902	-24.5205	0.0375	0.636	-29.5035	-1350.42	1
47291_7292	47291	7292	-9.18	-62.883	0.2775	-1.0665	38.925	1487.373	1
47292_7292	47292	7292	5.6745	-31.2345	-0.075	-4.806	-32.211	-1503.71	1
47292_7293	47292	7293	-8.1765	-59.6175	0.3015	3.849	40.0575	1551.594	1
47293_7293	47293	7293	6.2805	-19.9605	0.483	2.6265	-33.8565	-1555.2	1
47293_7294	47293	7294	-7.6395	-70.7565	-0.525	-3.501	36.129	1757.037	1
47294_7294	47294	7294	6.6555	-24.6495	0.519	0.135	-32.0955	-1728.61	1
47294_7295	47294	7295	-7.389	-63.4605	-0.4605	-0.6435	31.8915	1947.543	1
47295_7295	47295	7295	6.945	-30.87	0.552	-3.7755	-29.013	-1898.27	1
47295_7296	47295	7296	-7.3785	-57.735	-0.381	3.0885	29.2185	2064.708	1
47296_7296	47296	7296	7.1145	-26.4375	0.276	2.568	-26.0985	-2000.19	1
47296_7297	47296	7297	-7.3515	-60.0495	-0.4155	-3.3915	25.0335	2279.657	1
47297_7297	47297	7297	7.299	-34.308	0.291	-2.547	-23.9625	-2200.51	1
47297_7298	47297	7298	-7.3155	-51.0135	-0.4215	1.98	19.872	2384.81	1
47298_7298	47298	7298	7.3815	-31.0575	0.2925	4.305	-20.9415	-2318.31	1
47298_7299	47298	7299	-7.2735	-55.542	-0.27	-5.4195	16.011	2532.756	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
47299_7299	47299	7299	7.3845	-39.3375	0.2685	-3.7545	-17.6205	-2486.49	1
47299_7300	47299	7300	-7.2195	-45.9075	-0.2355	2.895	12.018	2568.303	1
47300_7300	47300	7300	7.359	-35.4915	0.375	3.9945	-13.9815	-2550.96	1
47300_7301	47300	7301	-7.1445	-50.922	-0.3285	-4.7805	7.0065	2654.276	1
47301_7301	47301	7301	7.323	-44.3985	0.3525	-3.7845	-8.985	-2661.83	1
47301_7302	47301	7302	-7.017	-42.1785	-0.2865	2.9925	2.871	2618.028	1
47302_7302	47302	7302	7.281	-38.937	0.2295	4.4865	-4.4625	-2655.05	1
47302_7303	47302	7303	-6.7815	-46.8855	-0.1605	-5.112	0.2085	2635.743	1
47303_7303	47303	7303	7.227	-48.282	0.1905	-4.6965	-1.194	-2709.04	1
47303_7304	47303	7304	-6.456	-38.4045	-0.1215	3.7245	-1.401	2528.625	1
47304_7304	47304	7304	7.155	-42.126	0.114	4.632	1.053	-2644.9	1
47304_7305	47304	7305	-5.943	-42.708	-0.048	-4.869	-1.9935	2453.516	1
47305_7305	47305	7305	7.0365	-50.8065	0.0795	-3.921	2.361	-2640.21	1
47305_7306	47305	7306	-5.1435	-32.265	-0.0135	2.817	-1.9425	2203.991	1
47306_7306	47306	7306	6.8235	-47.1075	-0.0825	4.44	3.0645	-2496.82	1
47306_7307	47306	7307	-4.032	-31.6095	0.048	-4.035	-0.9735	1904.988	1
47307_7307	47307	7307	6.489	-57.036	-0.099	-4.2615	1.827	-2374.41	1
47307_7308	47307	7308	-2.7105	-19.95	0.0435	2.2215	-0.156	1419.755	1
47308_7308	47308	7308	5.979	-58.1775	0.5055	3.462	0.4605	-2076.74	1
47308_7309	47308	7309	-1.713	-15.0825	-0.105	-2.196	-1.3275	972.618	1
47309_7309	47309	7309	5.211	-70.329	0.3675	-3.0855	4.9905	-1684.44	1
47309_7310	47309	7310	-0.99	-8.052	-0.0885	0.978	-2.25	600.8565	1
47310_7310	47310	7310	4.122	-79.7595	-0.5475	0.255	7.326	-1040.79	1
47310_7311	47310	7311	3.1365	-3.9405	-3.498	0.186	0	13.4715	1

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
7000_7000	7000	7000	2.7855	21.3465	-0.2115	-0.0945	0	9.7605	1
7000_7001	7000	7001	63.3375	-75.3675	0.0885	0.063	0.9345	486.51	1
7001_7001	7001	7001	3.291	-4.785	0.243	0.1395	2.556	27.969	1
7001_7002	7001	7002	102.849	-64.251	0.1185	0.0735	2.361	787.623	1
7002_7002	7002	7002	6.9495	-5.0145	-0.075	0.1605	4.7115	56.0685	1
7002_7003	7002	7003	142.308	-51.9555	-0.0885	-0.0225	1.6215	1087.485	1
7003_7003	7003	7003	11.919	-5.016	-0.0735	0.18	3.795	93.7935	1
7003_7004	7003	7004	164.3595	-40.0965	-0.105	0.207	0.7635	1255.808	1
7004_7004	7004	7004	16.902	-4.9485	0.018	0.117	2.913	131.5545	1
7004_7005	7004	7005	183.6915	-42.279	0.003	-0.1785	1.0365	1403.024	1
7005_7005	7005	7005	21.8145	-4.9485	0.018	0.183	3.1245	168.7755	1
7005_7006	7005	7006	189.8265	-32.352	0.0015	0.3495	1.299	1449.89	1
7006_7006	7006	7006	26.7285	-5.0325	0.054	0.0885	3.339	206.022	1
7006_7007	7006	7007	200.0535	-38.0115	0.0225	-0.1755	1.815	1527.54	1
7007_7007	7007	7007	31.698	-5.037	0.054	0.1845	3.9615	243.8955	1
7007_7008	7007	7008	199.4175	-28.7025	0.024	0.3915	2.379	1522.71	1
7008_7008	7008	7008	36.6855	-5.118	0.057	0.0465	4.5885	281.823	1
7008_7009	7008	7009	204.504	-34.911	0.051	-0.1905	3.2985	1561.181	1
7009_7009	7009	7009	41.7645	-5.118	0.0585	0.171	5.286	320.316	1
7009_7010	7009	7010	199.2885	-25.704	0.0525	0.3795	4.209	1521.533	1
7010_7010	7010	7010	46.848	-5.253	0.057	0.003	5.9865	358.839	1
7010_7011	7010	7011	199.656	-11.6205	0.0405	-0.207	4.4415	1524.423	1
7011_7011	7011	7011	52.065	-5.253	0.057	0.1485	6.672	398.37	1
7011_7012	7011	7012	190.9155	-1.821	0.042	0.345	5.2275	1458.059	1
7012_7012	7012	7012	57.2805	-5.5215	0.057	-0.0585	7.3605	437.8965	1
7012_7013	7012	7013	187.173	-7.4115	0.087	-0.2415	6.5235	1429.56	1
7013_7013	7013	7013	62.7615	-5.5215	0.0585	0.1275	8.0595	479.439	1
7013_7014	7013	7014	172.7985	2.553	0.0825	0.303	7.6755	1320.459	1
7014_7014	7014	7014	68.2485	-5.7675	0.063	-0.036	8.76	521.0145	1
7014_7015	7014	7015	156.183	1.899	0.072	-0.0915	8.7645	1194.246	1
7015_7015	7015	7015	82.647	-5.556	0.0435	-0.0075	6.642	591.4305	1
7015_7016	7015	7016	149.982	9.1515	0.051	0.048	6.3825	1107.573	1
7016_7016	7016	7016	84.978	-6.2295	0.0225	-0.102	6.9975	624.1245	1
7016_7017	7016	7017	120.6975	-12.312	-0.0165	-0.1305	5.4825	988.578	1
7017_7017	7017	7017	83.289	-6.0945	0.0225	-0.099	7.209	688.413	1
7017_7018	7017	7018	76.9455	-2.79	-0.0105	-0.0375	4.836	784.434	1
7018_7018	7018	7018	75.9525	-6.7335	0.0045	-0.2415	7.4535	767.148	1
7018_7019	7018	7019	42.534	0.9675	-0.006	-0.1455	4.3305	554.43	1
7019_7019	7019	7019	66.8175	-6.8505	0.0045	-0.1455	7.5465	853.479	1
7019_7020	7019	7020	20.973	-1.7295	0.0165	-0.0645	3.1635	345.8745	1
7020_7020	7020	7020	64.281	33.09	-0.117	-0.0555	3.189	559.1205	1
7020_7021	7020	7021	110.145	-44.2785	-0.0045	-0.0975	5.1285	499.506	1
7021_7021	7021	7021	38.4045	22.332	-0.099	-0.018	2.934	368.478	1
7021_7022	7021	7022	117.4005	-38.631	0.0075	-0.045	3.567	566.1765	1
7022_7022	7022	7022	16.743	15.3645	-0.1005	0.0045	3.2475	272.7345	1
7022_7023	7022	7023	120.6735	-32.5125	0.0165	0.0195	3.234	621.168	1
7023_7023	7023	7023	-9.4785	2.835	-0.1455	-0.093	5.964	219.276	1
7023_7024	7023	7024	125.298	-32.328	-0.0465	-0.0795	2.484	683.1435	1
7024_7024	7024	7024	-10.0245	2.6835	-0.138	-0.0705	4.83	205.722	1
7024_7025	7024	7025	126.4665	-25.485	-0.039	-0.003	1.8405	718.4715	1
7025_7025	7025	7025	-10.488	2.589	-0.1365	-0.069	3.7395	192.6825	1
7025_7026	7025	7026	124.674	-18.0645	-0.0285	0.003	1.3365	727.2135	1
7026_7026	7026	7026	-11.82	1.9815	-0.1425	-0.096	2.652	179.7945	1
7026_7027	7026	7027	126.513	-23.184	-0.0315	-0.0705	0.9885	751.4115	1
7027_7027	7027	7027	-11.6805	1.956	-0.1425	-0.0975	1.815	172.4295	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7027_7028	7027	7028	126.6075	-17.574	-0.021	-0.0855	0.7635	760.1445	1
7028_7028	7028	7028	-12.7785	1.956	-0.132	-0.069	0.9645	165.087	1
7028_7029	7028	7029	123.801	-11.7885	-0.012	0.0495	0.6525	746.6415	1
7029_7029	7029	7029	-13.875	1.956	-0.132	-0.069	0.1695	157.734	1
7029_7030	7029	7030	121.9305	-22.4775	0.042	0.0735	0.9855	718.482	1
7030_7030	7030	7030	-14.9745	1.005	-0.1275	-0.0885	-0.6255	150.381	1
7030_7031	7030	7031	122.595	-25.416	0.0375	-0.003	1.3575	706.8315	1
7031_7031	7031	7031	-15.7245	1.005	-0.126	-0.087	-1.6395	145.3485	1
7031_7032	7031	7032	120.102	-18.564	0.0465	0.009	1.8795	668.568	1
7032_7032	7032	7032	-29.307	-2.979	0.141	0.0915	2.9055	155.0325	1
7032_7033	7032	7033	114.069	-12.402	0.054	0.0855	2.5125	603.774	1
7033_7033	7033	7033	-8.85	-11.3895	0.1125	0.036	2.385	186.7785	1
7033_7034	7033	7034	109.3785	-12.3075	0.006	0.0525	2.8125	546.369	1
7034_7034	7034	7034	15.1125	-18.1155	0.102	-0.009	2.2995	257.6655	1
7034_7035	7034	7035	101.8755	-6.7935	0.0255	-0.012	3.3585	471.1185	1
7035_7035	7035	7035	34.2105	-25.3905	0.132	0.09	2.985	375.414	1
7035_7036	7035	7036	90.768	-1.302	0.048	0.1065	5.5665	372.6825	1
7036_7036	7036	7036	76.908	35.6625	0.003	-0.2895	-4.905	886.107	1
7036_7037	7036	7037	22.4655	-51.8865	0.012	0.1125	3.0705	493.7985	1
7037_7037	7037	7037	45.417	9.3405	0.015	0.153	4.7055	758.322	1
7037_7038	7037	7038	51.5025	-42.696	0	0.102	3.5145	697.0395	1
7038_7038	7038	7038	51.3735	7.9935	-0.0135	0.075	4.89	657.2505	1
7038_7039	7038	7039	86.3535	-37.7835	0.0285	0.018	4.1805	871.719	1
7039_7039	7039	7039	56.127	7.6065	-0.009	0.1185	4.692	564.6675	1
7039_7040	7039	7040	109.572	-28.11	0.0345	0.1485	4.8	945.4215	1
7040_7040	7040	7040	54.912	6.516	-0.0165	-0.0135	4.599	497.295	1
7040_7041	7040	7041	123.051	-32.271	-0.015	-0.09	4.797	1018.907	1
7041_7041	7041	7041	59.025	6.405	-0.006	0.036	2.115	425.268	1
7041_7042	7041	7042	147.1755	-18.867	0	0.0645	2.3445	996.5385	1
7042_7042	7042	7042	49.2	5.712	-0.0135	-0.0225	2.0235	365.7795	1
7042_7043	7042	7043	159.1815	-23.778	-0.018	-0.066	2.196	1066.844	1
7043_7043	7043	7043	42.441	5.712	-0.0105	0.024	1.8705	324.852	1
7043_7044	7043	7044	161.241	-13.1865	-0.012	0.0885	2.085	1074.23	1
7044_7044	7044	7044	35.682	5.4495	-0.009	-0.0225	1.7385	283.932	1
7044_7045	7044	7045	170.1945	-19.146	-0.006	-0.036	2.0595	1122.924	1
7045_7045	7045	7045	29.2275	5.4495	-0.0075	-0.0075	1.638	244.851	1
7045_7046	7045	7046	168.4065	-26.238	0	0.048	2.061	1100.906	1
7046_7046	7046	7046	32.523	-5.9085	0.015	0.003	1.692	220.8075	1
7046_7047	7046	7047	172.833	-31.9755	0.006	-0.075	2.103	1127.201	1
7047_7047	7047	7047	39.519	-5.9085	0.015	0.0405	1.8645	263.1675	1
7047_7048	7047	7048	165.123	-21.9855	0.009	0.0795	2.178	1080.968	1
7048_7048	7048	7048	46.515	-6.024	0.015	-0.0075	2.0445	305.523	1
7048_7049	7048	7049	163.9305	-27.18	0.0165	-0.0435	2.31	1074.527	1
7049_7049	7049	7049	53.6445	-6.024	0.015	0.018	2.226	348.696	1
7049_7050	7049	7050	152.5125	-17.4795	0.018	0.033	2.445	1004.519	1
7050_7050	7050	7050	60.7755	-6.39	0.018	-0.0315	2.4105	391.866	1
7050_7051	7050	7051	144.4245	-20.0235	0.012	-0.0555	2.4795	950.8995	1
7051_7051	7051	7051	66.885	-6.3075	0.021	0.0105	3.1095	468.4215	1
7051_7052	7051	7052	123.2115	-12.3045	0.0195	0.066	2.9655	915.111	1
7052_7052	7052	7052	70.293	-6.7995	0.006	-0.105	3.2775	503.4885	1
7052_7053	7052	7053	101.7855	-13.542	-0.0225	-0.1335	2.553	842.466	1
7053_7053	7053	7053	64.464	-6.93	0.009	-0.096	4.5795	599.5755	1
7053_7054	7053	7054	58.9185	-4.023	-0.0195	-0.0195	2.925	721.6695	1
7054_7054	7054	7054	59.6655	-7.4535	0.0165	-0.2355	4.65	681.8955	1
7054_7055	7054	7055	31.8465	-0.045	0	-0.141	2.709	517.5315	1
7055_7055	7055	7055	52.797	-7.8015	0.0165	-0.2055	4.824	770.0865	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7055_7056	7055	7056	17.4375	-1.9605	0.012	-0.06	1.47	294.1425	1
7056_7056	7056	7056	52.3365	32.487	-0.0945	-0.0885	2.415	515.241	1
7056_7057	7056	7057	106.137	-44.064	-0.0045	-0.1905	3.3525	522.447	1
7057_7057	7057	7057	25.788	21.342	-0.09	-0.048	2.436	347.8905	1
7057_7058	7057	7058	113.136	-38.3415	0.0045	-0.087	2.6325	610.077	1
7058_7058	7058	7058	3.3555	13.422	-0.09	-0.0195	2.775	257.5035	1
7058_7059	7058	7059	117.1635	-32.0355	0.0135	0.0525	2.3865	673.524	1
7059_7059	7059	7059	-11.928	2.9085	-0.117	-0.2415	4.515	229.026	1
7059_7060	7059	7060	122.28	-32.01	-0.0345	-0.252	1.8435	743.301	1
7060_7060	7060	7060	-12.516	2.8215	-0.1095	-0.186	3.5895	214.008	1
7060_7061	7060	7061	124.029	-25.0755	-0.03	-0.066	1.3665	783.9585	1
7061_7061	7061	7061	-13.59	2.7705	-0.1035	-0.138	2.7195	199.383	1
7061_7062	7061	7062	122.8245	-17.5875	-0.0255	0.12	0.9735	795.2715	1
7062_7062	7062	7062	-14.0235	2.1975	-0.1125	-0.237	1.9095	185.061	1
7062_7063	7062	7063	124.881	-23.0535	-0.0225	-0.2355	0.7365	822.576	1
7063_7063	7063	7063	-15.162	2.1975	-0.105	-0.1815	1.2345	176.421	1
7063_7064	7063	7064	124.992	-33.489	0.0165	0.0945	0.513	833.631	1
7064_7064	7064	7064	-14.9625	-1.767	0.105	0.207	0.084	176.739	1
7064_7065	7064	7065	124.3395	-27.9045	0.0255	0.0855	0.642	821.9685	1
7065_7065	7065	7065	-14.049	-1.767	0.1065	0.21	0.717	183.6795	1
7065_7066	7065	7066	121.995	-22.7025	0.033	0.1095	0.8655	793.728	1
7066_7066	7066	7066	-14.8515	-2.4465	0.105	0.1875	1.3365	190.6695	1
7066_7067	7066	7067	122.8815	-25.9185	0.0345	0.0585	1.227	781.6725	1
7067_7067	7067	7067	-13.9785	-2.4795	0.105	0.189	2.169	203.5755	1
7067_7068	7067	7068	120.828	-19.002	0.0405	0.0765	1.686	740.526	1
7068_7068	7068	7068	-14.3535	-2.5755	0.1065	0.195	3.003	216.6075	1
7068_7069	7068	7069	115.4505	-12.765	0.048	0.1035	2.235	670.623	1
7069_7069	7069	7069	-12.7905	-2.88	0.102	0.1065	3.8565	230.163	1
7069_7070	7069	7070	111.2865	-12.7635	0.0045	-0.0255	2.4645	608.088	1
7070_7070	7070	7070	6.129	-15.3675	0.096	0.099	2.1075	263.1225	1
7070_7071	7070	7071	104.1495	-7.0905	0.012	0.1245	2.8395	524.64	1
7071_7071	7071	7071	25.2015	-21.477	0.1065	0.09	2.505	357.804	1
7071_7072	7071	7072	93.9165	-1.3935	0.0315	0.141	4.134	409.32	1
7072_7072	7072	7072	43.383	8.1795	-0.0135	0.249	4.4055	884.604	1
7072_7073	7072	7073	24.978	-52.0215	0	0.1365	2.5845	523.8165	1
7073_7073	7073	7073	50.979	7.818	-0.012	0.198	4.2315	787.911	1
7073_7074	7073	7074	53.9055	-42.513	-0.012	0.123	2.7735	734.334	1
7074_7074	7074	7074	58.446	6.963	-0.0015	0.1065	4.158	699.132	1
7074_7075	7074	7075	88.3695	-37.4145	0.0285	0.0315	3.333	916.1205	1
7075_7075	7075	7075	70.734	6.6165	0	0.099	3.039	581.5665	1
7075_7076	7075	7076	123.0555	-27.4065	0.024	0.12	2.853	941.3835	1
7076_7076	7076	7076	70.767	5.8125	-0.0135	0.0135	3.057	521.5905	1
7076_7077	7076	7077	138.867	-31.9995	-0.0195	-0.03	2.7735	1021.896	1
7077_7077	7077	7077	62.691	5.976	-0.0195	0.0615	4.2225	496.1865	1
7077_7078	7077	7078	137.877	-19.905	-0.018	0.1125	3.846	1108.233	1
7078_7078	7078	7078	55.452	5.724	-0.024	-0.03	3.957	443.703	1
7078_7079	7078	7079	152.304	-42.0945	-0.024	-0.042	3.744	1193.466	1
7079_7079	7079	7079	49.8975	5.724	-0.0225	0.03	3.696	403.44	1
7079_7080	7079	7080	155.9955	-32.4735	-0.021	0.1335	3.4755	1213.806	1
7080_7080	7080	7080	44.349	5.532	-0.0195	-0.057	3.4425	363.219	1
7080_7081	7080	7081	165.2745	-38.1735	0	-0.072	3.4335	1276.379	1
7081_7081	7081	7081	38.9865	5.532	-0.0195	-0.003	3.219	324.345	1
7081_7082	7081	7082	164.364	-28.6425	0.003	0.135	3.4215	1267.176	1
7082_7082	7082	7082	33.903	5.436	-0.021	-0.0765	3.009	285.4635	1
7082_7083	7082	7083	169.551	-34.179	0.0015	-0.0855	3.3885	1304.511	1
7083_7083	7083	7083	30.411	-5.1705	0.0255	0.0705	2.601	244.8765	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7083_7084	7083	7084	163.6155	-5.6685	0	0.09	3.4125	1261.682	1
7084_7084	7084	7084	35.8005	-5.256	0.0255	0.0045	2.916	283.9365	1
7084_7085	7084	7085	164.3835	-12.4335	0.0075	-0.126	3.5055	1267.08	1
7085_7085	7085	7085	40.8975	-5.256	0.0255	0.0525	3.204	320.886	1
7085_7086	7085	7086	153.969	-21.0045	0.0135	0.084	3.576	1202.16	1
7086_7086	7086	7086	45.99	-5.424	0.03	-0.0645	3.495	357.8025	1
7086_7087	7086	7087	150.27	-26.394	0.027	-0.21	3.7995	1179.903	1
7087_7087	7087	7087	50.895	-5.4435	0.03	0.0615	3.798	396.0105	1
7087_7088	7087	7088	138.6585	-17.2545	0.03	0.1455	4.0065	1097.942	1
7088_7088	7088	7088	56.1735	-5.691	0.0255	-0.0825	4.131	434.2785	1
7088_7089	7088	7089	129.9855	-19.4325	0.024	-0.1545	4.098	1033.659	1
7089_7089	7089	7089	61.77	-5.574	0.0225	0.024	4.017	505.9095	1
7089_7090	7089	7090	113.934	-12.699	0.0255	0.1245	3.771	999.831	1
7090_7090	7090	7090	64.281	-6.0945	0.0105	-0.132	4.2075	538.74	1
7090_7091	7090	7091	93.0135	-13.896	-0.021	-0.177	3.309	912.2355	1
7091_7091	7091	7091	62.745	-6.168	0.0135	-0.126	5.4255	603.6315	1
7091_7092	7091	7092	57.4515	-3.9285	-0.015	-0.0525	3.6105	734.565	1
7092_7092	7092	7092	57.3945	-6.765	0.0255	-0.2325	5.5515	679.1205	1
7092_7093	7092	7093	30.417	-0.0645	0	-0.141	3.3495	519.7095	1
7093_7093	7093	7093	50.454	-7.038	0.0255	-0.204	5.8545	761.0565	1
7093_7094	7093	7094	7.902	7.455	-0.012	-0.0915	2.655	236.2035	1
7094_7094	7094	7094	49.437	31.779	-0.1125	-0.0765	2.76	513.78	1
7094_7095	7094	7095	103.6905	-44.1825	-0.009	-0.168	3.885	524.112	1
7095_7095	7095	7095	22.4085	20.8965	-0.138	-0.06	3.51	355.8975	1
7095_7096	7095	7096	107.0535	-38.481	0.003	-0.102	3.8835	626.274	1
7096_7096	7096	7096	1.5315	13.215	-0.1365	-0.0255	3.9585	264.6615	1
7096_7097	7096	7097	110.4495	-32.0175	0.0165	0.0555	3.516	690.9495	1
7097_7097	7097	7097	-12.2145	2.8905	-0.177	-0.249	6.4875	236.7315	1
7097_7098	7097	7098	115.0155	-32.2335	-0.06	-0.2655	2.661	763.401	1
7098_7098	7098	7098	-12.5625	2.781	-0.1665	-0.1905	5.0835	221.2695	1
7098_7099	7098	7099	116.4	-25.1565	-0.0555	-0.0705	1.8945	805.236	1
7099_7099	7099	7099	-13.182	2.706	-0.1575	-0.138	3.7605	206.4075	1
7099_7100	7099	7100	114.9795	-17.505	-0.048	0.132	1.2495	815.814	1
7100_7100	7100	7100	-13.44	2.0895	-0.1785	-0.204	2.52	192.021	1
7100_7101	7100	7101	116.9145	-23.4825	-0.0405	-0.0765	0.8715	845.151	1
7101_7101	7101	7101	-13.7895	2.0745	-0.1665	-0.1395	1.4655	183.54	1
7101_7102	7101	7102	116.7585	-33.6705	0.0225	0.315	0.6495	857.649	1
7102_7102	7102	7102	-16.98	-2.199	0.156	0.1485	0.84	182.61	1
7102_7103	7102	7103	116.1525	-27.9855	0.045	-0.2025	0.9135	845.976	1
7103_7103	7103	7103	-16.452	-2.2065	0.168	0.2115	1.767	191.58	1
7103_7104	7103	7104	113.9595	-22.7115	0.0525	0.0765	1.305	816.834	1
7104_7104	7104	7104	-15.3915	-2.6985	0.153	0.162	2.7765	200.55	1
7104_7105	7104	7105	115.0245	-26.3115	0.063	-0.0675	1.9935	806.385	1
7105_7105	7105	7105	-14.94	-2.7645	0.1635	0.2175	3.9945	215.4555	1
7105_7106	7105	7106	113.2905	-19.2255	0.069	0.1395	2.8065	764.6085	1
7106_7106	7106	7106	-14.313	-2.8245	0.165	0.2175	5.307	230.7075	1
7106_7107	7106	7107	108.3795	-12.855	0.0795	0.141	3.7635	692.133	1
7107_7107	7107	7107	-14.4945	-3.2145	0.153	0.138	6.633	246.3855	1
7107_7108	7107	7108	104.6805	-13.0005	-0.0015	0.0465	4.116	627.627	1
7108_7108	7108	7108	-0.579	-13.1955	0.141	0.0705	4.098	267.726	1
7108_7109	7108	7109	97.9845	-7.14	0.018	0.0525	4.7445	539.928	1
7109_7109	7109	7109	22.4745	-20.802	0.1245	0.1005	3.2145	351.036	1
7109_7110	7109	7110	90.7095	-1.281	0.0315	0.1395	5.2245	408.615	1
7110_7110	7110	7110	42.012	8.3475	-0.0285	0.216	6.4185	890.163	1
7110_7111	7110	7111	24.345	-51.6495	-0.006	0.108	3.7335	533.028	1
7111_7111	7111	7111	49.3725	7.9815	-0.027	0.252	6.0465	791.895	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7111_7112	7111	7112	52.2975	-41.82	-0.0195	0.1455	4.0185	742.035	1
7112_7112	7112	7112	56.2815	7.2105	-0.021	0.1455	5.7645	701.3355	1
7112_7113	7112	7113	85.4115	-36.813	0.0105	0.0735	4.5045	921.573	1
7113_7113	7113	7113	62.6205	6.972	-0.0165	0.12	4.3695	610.5915	1
7113_7114	7113	7114	107.9085	-26.517	0.0105	0.144	3.906	985.326	1
7114_7114	7114	7114	62.5155	6.3225	-0.0255	0.045	4.2225	546.306	1
7114_7115	7114	7115	120.4485	-31.209	-0.0285	0.003	3.7965	1058.706	1
7115_7115	7115	7115	66.0915	6.3645	-0.021	0.024	3.333	458.5035	1
7115_7116	7115	7116	141.0255	-18.492	-0.0195	0.042	3.0165	997.365	1
7116_7116	7116	7116	57.7725	6.03	-0.024	-0.0255	3.039	405.237	1
7116_7117	7116	7117	151.485	-23.7705	-0.03	-0.0525	2.7585	1062.396	1
7117_7117	7117	7117	51.4605	6.03	-0.024	0.015	2.7675	364.8195	1
7117_7118	7117	7118	153.096	-13.5075	-0.0285	0.069	2.4705	1068.432	1
7118_7118	7118	7118	45.153	5.859	-0.021	-0.027	2.5035	324.4365	1
7118_7119	7118	7119	161.223	-19.9965	-0.015	-0.006	2.3085	1115.85	1
7119_7119	7119	7119	39.021	5.859	-0.021	-0.027	2.262	285.1665	1
7119_7120	7119	7120	159.096	-9.7215	-0.015	0	2.136	1097.973	1
7120_7120	7120	7120	32.8875	5.8005	-0.021	-0.066	2.022	245.8965	1
7120_7121	7120	7121	164.325	-15.9915	-0.0135	-0.1365	1.9635	1128.348	1
7121_7121	7121	7121	26.364	5.8005	-0.0195	-0.0225	1.767	204.1275	1
7121_7122	7121	7122	156.606	-4.8855	-0.009	0.102	1.8375	1077.897	1
7122_7122	7122	7122	21.528	-3.768	0.006	0.0015	1.356	177.6615	1
7122_7123	7122	7123	156.1395	-11.973	-0.0075	-0.09	1.746	1076.054	1
7123_7123	7123	7123	25.473	-3.768	0.0075	0.0255	1.431	202.917	1
7123_7124	7123	7124	144.351	-1.626	-0.0045	0.0345	1.692	1003.62	1
7124_7124	7124	7124	29.3175	-3.9795	0.009	-0.0285	1.5075	228.177	1
7124_7125	7124	7125	137.529	-24.936	0.0045	-0.1275	1.6935	976.1805	1
7125_7125	7125	7125	33.483	-3.9795	0.009	0.0285	1.6005	254.8515	1
7125_7126	7125	7126	124.2195	-15.558	0.009	0.081	1.7445	893.8125	1
7126_7126	7126	7126	37.4265	-4.368	0.0075	-0.0315	1.6935	281.565	1
7126_7127	7126	7127	114.8565	-18.0555	0.015	-0.0675	1.851	832.9905	1
7127_7127	7127	7127	44.4285	-4.3155	0.0075	0	1.6005	321.945	1
7127_7128	7127	7128	104.0625	-11.1885	0.0165	0.0285	1.7625	770.181	1
7128_7128	7128	7128	46.779	-5.163	0.0105	-0.06	1.659	345.6435	1
7128_7129	7128	7129	83.9235	-13.1355	-0.003	-0.087	1.668	699.5145	1
7129_7129	7129	7129	42.3345	-5.4615	0.0135	-0.0345	2.1705	419.652	1
7129_7130	7129	7130	44.1915	-3.309	0.0075	0.0045	2.04	579.693	1
7130_7130	7130	7130	39.1365	-6.2595	-0.039	-0.111	2.2995	482.4315	1
7130_7131	7130	7131	19.53	1.137	-0.093	-0.066	0.879	376.728	1
7131_7131	7131	7131	67.389	-26.3415	0.078	0.21	-1.0875	657.4395	1
7131_7132	7131	7132	23.799	-5.244	0.024	0.0435	1.4355	283.392	1
7132_7132	7132	7132	57.15	37.725	-0.1215	0.006	2.202	523.4205	1
7132_7133	7132	7133	97.776	-46.2225	0.0705	0.0795	0.9915	428.9955	1
7133_7133	7133	7133	31.122	22.6905	-0.09	-0.0165	1.284	307.482	1
7133_7134	7133	7134	108.0495	-39.96	0.0795	0.0015	1.3095	511.752	1
7134_7134	7134	7134	13.0485	16.254	-0.0765	-0.087	0.945	210.387	1
7134_7135	7134	7135	113.3445	-33.228	0.0975	-0.1245	1.929	578.568	1
7135_7135	7135	7135	-18.4695	0.564	0.0735	0.0615	-1.617	164.8125	1
7135_7136	7135	7136	119.6895	-32.754	-0.0495	-0.0975	1.4265	651.015	1
7136_7136	7136	7136	-18.885	0.564	0.0795	0.0855	-1.0305	161.97	1
7136_7137	7136	7137	121.791	-25.4085	-0.048	0.003	0.948	691.56	1
7137_7137	7137	7137	-18.399	0.534	0.078	0.084	-0.354	159.141	1
7137_7138	7137	7138	120.24	-17.4585	-0.0435	0.0105	0.534	701.4075	1
7138_7138	7138	7138	-18.2745	-0.201	0.048	0.0525	0.288	156.465	1
7138_7139	7138	7139	120.048	-38.907	0.009	-0.1005	0.3885	734.2935	1
7139_7139	7139	7139	-18.162	-0.201	0.0555	0.084	0.573	157.224	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7139_7140	7139	7140	122.1075	-32.805	0.012	0.045	0.4425	747.7515	1
7140_7140	7140	7140	-18.5655	-0.2055	0.0555	0.084	0.894	158.004	1
7140_7141	7140	7141	120.9795	-26.8845	0.018	0.0495	0.564	737.061	1
7141_7141	7141	7141	-18.4515	-0.2055	0.0555	0.084	1.2285	158.7825	1
7141_7142	7141	7142	117.8145	-21.4005	0.024	0.0525	0.747	709.209	1
7142_7142	7142	7142	-19.236	-0.6945	0.051	0.0525	1.5555	159.5745	1
7142_7143	7142	7143	118.3935	-25.3395	0.0255	-0.0465	1.029	700.5195	1
7143_7143	7143	7143	-19.71	-0.741	0.057	0.078	1.953	163.1235	1
7143_7144	7143	7144	115.3185	-18.003	0.027	0.057	1.35	660.9015	1
7144_7144	7144	7144	-20.5185	-0.8175	0.0585	0.0795	2.409	167.0145	1
7144_7145	7144	7145	108.1695	-11.391	0.0315	0.06	1.7235	590.472	1
7145_7145	7145	7145	-22.1265	-1.188	0.0465	0.063	2.8725	171.384	1
7145_7146	7145	7146	102.381	-11.505	-0.021	0.0615	1.68	527.3505	1
7146_7146	7146	7146	9.0885	-16.083	0.057	-0.0015	1.251	227.7525	1
7146_7147	7146	7147	93.1515	-5.481	-0.0075	-0.0135	1.803	442.185	1
7147_7147	7147	7147	27.225	-23.133	0.066	0.0675	1.2945	334.218	1
7147_7148	7147	7148	79.4055	0.528	0.0015	0.072	2.1705	326.9175	1
7148_7148	7148	7148	87.6855	35.4375	0.015	-0.213	-2.5905	848.034	1
7148_7149	7148	7149	13.683	-50.904	0.003	0.069	1.6905	449.451	1
7149_7149	7149	7149	36.0885	9.348	-0.0105	0.114	2.6535	685.524	1
7149_7150	7149	7150	39.18	-41.2335	-0.009	0.0645	1.7805	637.047	1
7150_7150	7150	7150	40.896	8.247	-0.0075	0.069	2.5305	587.85	1
7150_7151	7150	7151	69.042	-36.105	0.0195	0.036	2.103	792.144	1
7151_7151	7151	7151	50.352	7.509	-0.006	0.0345	1.9845	464.304	1
7151_7152	7151	7152	98.418	-26.1165	0.018	0.042	1.986	790.4115	1
7152_7152	7152	7152	48.144	6.5925	-0.015	0.036	1.932	401.6715	1
7152_7153	7152	7153	110.415	-30.753	-0.0195	0.06	1.842	849.4575	1
7153_7153	7153	7153	47.6775	6.507	-0.0135	-0.009	1.4895	349.506	1
7153_7154	7153	7154	122.814	-18.312	-0.015	-0.015	1.335	842.427	1
7154_7154	7154	7154	38.4255	6.153	-0.009	-0.0075	1.311	297.0525	1
7154_7155	7154	7155	131.67	-23.097	-0.009	-0.003	1.254	894.723	1
7155_7155	7155	7155	31.425	6.153	-0.009	-0.0075	1.2165	257.373	1
7155_7156	7155	7156	131.151	-12.7545	-0.0075	0.0015	1.1835	891.243	1
7156_7156	7156	7156	24.807	6.0495	-0.009	-0.009	1.131	217.728	1
7156_7157	7156	7157	136.2495	-18.8715	-0.003	0.0255	1.1625	919.0905	1
7157_7157	7157	7157	18.5505	6.0495	-0.0105	-0.021	1.0395	182.2605	1
7157_7158	7157	7158	132.3885	-9.498	-0.003	-0.03	1.1355	895.9845	1
7158_7158	7158	7158	12.294	6.015	-0.009	-0.0165	0.939	146.7915	1
7158_7159	7158	7159	135.7155	-31.617	0.0045	0.0315	1.167	915.8385	1
7159_7159	7159	7159	15.198	-5.2725	0.0075	0.006	1.0335	162.426	1
7159_7160	7159	7160	130.3575	-22.755	0.003	-0.021	1.1805	886.521	1
7160_7160	7160	7160	20.475	-5.466	0.0105	0.012	1.104	193.3395	1
7160_7161	7160	7161	130.5765	-27.4125	0.0135	0.027	1.3035	888.381	1
7161_7161	7161	7161	26.694	-5.466	0.009	-0.003	1.2135	228.5955	1
7161_7162	7161	7162	121.4265	-17.9835	0.012	-0.018	1.413	834.618	1
7162_7162	7162	7162	32.913	-5.9295	0.0105	-0.009	1.3125	263.8515	1
7162_7163	7162	7163	116.355	-19.692	0.015	-0.0195	1.5555	799.1025	1
7163_7163	7163	7163	39.3045	-6.0045	0.0135	-0.0015	1.5525	321.903	1
7163_7164	7163	7164	99.0585	-13.014	0.021	0.0225	1.788	764.442	1
7164_7164	7164	7164	42.7725	-7.0245	0.003	-0.027	1.641	353.685	1
7164_7165	7164	7165	80.5605	-14.034	-0.018	-0.033	1.512	704.637	1
7165_7165	7165	7165	41.733	-7.5615	0.0045	-0.066	1.8705	431.5185	1
7165_7166	7165	7166	43.536	-4.5495	-0.0135	-0.042	1.4025	585.0345	1
7166_7166	7166	7166	39.609	-8.859	0.0075	-0.0825	1.905	511.314	1
7166_7167	7166	7167	18.21	-0.5325	-0.006	-0.0495	1.305	402.1275	1
7167_7167	7167	7167	35.352	-9.624	0.009	-0.099	1.9815	603.357	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7167_7168	7167	7168	35.1585	-4.062	-0.0015	0.0495	0.1725	269.6205	1
7168_7168	7168	7168	63.1635	36.267	-0.0525	-0.0525	1.08	511.8615	1
7168_7169	7168	7169	97.209	-45.5835	0.0075	-0.072	1.4775	429.4725	1
7169_7169	7169	7169	34.1265	24.1065	-0.0405	0	0.8295	319.026	1
7169_7170	7169	7170	108.273	-39.678	0.0105	-0.006	1.08	507.774	1
7170_7170	7170	7170	12.8115	17.358	-0.0405	-0.006	0.7755	220.4175	1
7170_7171	7170	7171	114.9795	-33.2805	0.0165	-0.0045	1.077	571.4445	1
7171_7171	7171	7171	-6.8115	12	-0.0255	-0.036	0.7785	154.506	1
7171_7172	7171	7172	122.943	-33.1245	-0.018	0.0045	0.8415	641.2965	1
7172_7172	7172	7172	-4.116	1.2915	0.0375	0.0435	-0.771	141.3345	1
7172_7173	7172	7173	126.8175	-26.0235	-0.012	-0.075	0.666	683.2485	1
7173_7173	7173	7173	-5.127	1.2915	0.0405	0.0615	-0.471	135.0495	1
7173_7174	7173	7174	126.996	-18.336	-0.009	0.018	0.5235	697.038	1
7174_7174	7174	7174	-6.1395	0.4515	0.0435	0.0615	-0.15	128.7615	1
7174_7175	7174	7175	130.4055	-23.811	-0.0135	0.0195	0.4095	724.86	1
7175_7175	7175	7175	-6.405	0.4515	0.039	0.039	0.108	127.116	1
7175_7176	7175	7176	131.682	-18.0345	-0.0075	-0.111	0.3525	736.536	1
7176_7176	7176	7176	-8.6955	0.3945	0.045	0.063	0.318	125.544	1
7176_7177	7176	7177	129.6465	-12.0855	-0.0045	0.024	0.336	725.4315	1
7177_7177	7177	7177	-17.8995	-0.1365	-0.0405	-0.0555	-0.036	125.1375	1
7177_7178	7177	7178	129.4575	-21.81	0.0165	0.054	0.5535	697.821	1
7178_7178	7178	7178	-17.82	-1.161	-0.036	-0.0525	-0.279	125.631	1
7178_7179	7178	7179	130.128	-24.9495	0.012	0.0525	0.6885	684.6405	1
7179_7179	7179	7179	-16.9095	-1.161	-0.0405	-0.069	-0.57	131.2785	1
7179_7180	7179	7180	127.092	-17.8635	0.018	-0.03	0.8805	643.449	1
7180_7180	7180	7180	-16.3725	-1.1685	-0.036	-0.051	-0.9015	136.9485	1
7180_7181	7180	7181	119.952	-11.4765	0.018	0.057	1.1025	574.3665	1
7181_7181	7181	7181	-2.067	-11.481	0.039	0.039	0.819	152.0355	1
7181_7182	7181	7182	113.9445	-11.238	-0.012	0.033	1.092	510.963	1
7182_7182	7182	7182	16.1355	-17.4405	0.0405	0.033	0.8025	218.2875	1
7182_7183	7182	7183	104.565	-5.5005	-0.0045	0.0435	1.1775	428.307	1
7183_7183	7183	7183	34.731	-24.2445	0.0465	-0.0015	0.96	324.69	1
7183_7184	7183	7184	91.764	0.2415	0.0075	0.0075	1.617	313.749	1
7184_7184	7184	7184	88.473	40.005	0.009	-0.105	-1.863	905.187	1
7184_7185	7184	7185	18.0555	-52.485	0.0045	0.1065	1.2465	386.2305	1
7185_7185	7185	7185	75.6705	29.712	0.0015	-0.084	-1.6425	590.9445	1
7185_7186	7185	7186	47.127	-43.4085	-0.006	0.0225	1.3335	578.2455	1
7186_7186	7186	7186	46.2405	6.573	-0.0045	0.099	1.8555	489.9375	1
7186_7187	7186	7187	82.1985	-38.0595	0.0195	0.1095	1.6095	743.7885	1
7187_7187	7187	7187	52.416	6.2115	-0.0045	-0.0015	1.6425	402.3915	1
7187_7188	7187	7188	111.6075	-28.3995	0.0165	-0.0045	1.698	788.1705	1
7188_7188	7188	7188	50.451	5.469	-0.0075	0.0315	1.5915	350.352	1
7188_7189	7188	7189	126.582	-31.8255	-0.009	0.051	1.6365	858.4425	1
7189_7189	7189	7189	48.237	5.5245	-0.0075	-0.0105	1.395	326.3265	1
7189_7190	7189	7190	138.1185	-19.8495	-0.006	-0.021	1.425	927.8445	1
7190_7190	7190	7190	40.536	5.1345	-0.0075	-0.0075	1.287	280.284	1
7190_7191	7190	7191	149.0415	-23.514	-0.009	-0.0045	1.347	992.997	1
7191_7191	7191	7191	35.0145	5.124	-0.0075	-0.0075	1.212	246.072	1
7191_7192	7191	7192	150.8865	-13.5375	-0.006	0	1.293	1002.167	1
7192_7192	7192	7192	29.2515	4.959	-0.0075	-0.0165	1.125	211.8945	1
7192_7193	7192	7193	156.894	-18.7605	0.003	-0.006	1.335	1035.879	1
7193_7193	7193	7193	24.306	4.956	-0.0075	-0.0165	1.056	181.896	1
7193_7194	7193	7194	154.899	-27.108	0.009	0.012	1.419	1020.953	1
7194_7194	7194	7194	23.007	-5.3325	0.0105	0.006	1.1295	169.0455	1
7194_7195	7194	7195	158.25	-32.0805	0.006	-0.036	1.4565	1041.567	1
7195_7195	7195	7195	28.452	-5.3325	0.0105	0.0195	1.236	201.3435	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7195_7196	7195	7196	153.165	-23.607	0.0105	0.0375	1.5315	1012.094	1
7196_7196	7196	7196	33.897	-5.5995	0.012	0.0015	1.347	233.64	1
7196_7197	7196	7197	152.4645	-27.384	0.0165	-0.003	1.6755	1008.279	1
7197_7197	7197	7197	39.666	-5.637	0.012	0.0015	1.458	271.095	1
7197_7198	7197	7198	142.8855	-18.3825	0.0195	0.0015	1.833	949.797	1
7198_7198	7198	7198	46.005	-6.3	0.012	-0.0165	1.5885	308.6895	1
7198_7199	7198	7199	135.816	-19.365	0.012	-0.0285	1.8915	902.2695	1
7199_7199	7199	7199	53.4825	-6.207	0.012	-0.009	1.8375	352.602	1
7199_7200	7199	7200	119.0475	-12.8295	0.015	0.018	2.0595	818.0985	1
7200_7200	7200	7200	57.36	-6.9855	0.009	-0.0045	1.941	384.975	1
7200_7201	7200	7201	97.1295	-12.759	-0.012	0.0105	1.8075	746.466	1
7201_7201	7201	7201	53.973	-7.2735	0.012	-0.165	3.072	475.0425	1
7201_7202	7201	7202	54.609	-3.8175	-0.0165	-0.1485	2.328	636.366	1
7202_7202	7202	7202	51.5565	-8.229	0.009	-0.063	3.234	554.0805	1
7202_7203	7202	7203	27.2685	0.171	0	-0.036	2.1345	443.094	1
7203_7203	7203	7203	46.8495	-8.637	0.009	-0.2505	3.3	642.846	1
7203_7204	7203	7204	17.2755	-1.6125	0.009	-0.105	1.4835	238.7265	1
7204_7204	7204	7204	65.499	36.609	-0.066	-0.0135	1.86	552.8265	1
7204_7205	7204	7205	107.949	-44.589	-0.0105	-0.027	2.3475	477.7245	1
7205_7205	7205	7205	37.932	27.228	-0.063	-0.0465	1.5825	362.031	1
7205_7206	7205	7206	117.4155	-39.189	0.006	-0.0735	1.758	567.285	1
7206_7206	7206	7206	16.278	19.4775	-0.0615	-0.0195	1.5795	254.9085	1
7206_7207	7206	7207	123.108	-33.3345	0.012	0.006	1.5975	631.764	1
7207_7207	7207	7207	-4.926	12.279	-0.06	-0.06	1.701	181.7145	1
7207_7208	7207	7208	129.7995	-32.751	-0.0195	-0.0075	1.236	701.301	1
7208_7208	7208	7208	-13.899	0.09	0.0825	0.0945	-1.809	162.291	1
7208_7209	7208	7209	133.089	-26.1645	-0.012	0.009	0.984	745.737	1
7209_7209	7209	7209	-13.968	0.09	0.078	0.072	-1.146	161.8395	1
7209_7210	7209	7210	133.395	-19.02	-0.003	-0.0735	0.8535	765.153	1
7210_7210	7210	7210	-14.037	-0.864	0.093	0.096	-0.5205	161.388	1
7210_7211	7210	7211	134.8395	-39.7185	0.0075	0.0465	0.579	796.8735	1
7211_7211	7211	7211	-13.548	-0.864	0.093	0.096	0.036	164.6145	1
7211_7212	7211	7212	137.4	-34.113	0.015	0.0585	0.6345	810.531	1
7212_7212	7212	7212	-13.0605	-0.864	0.087	0.066	0.594	167.8425	1
7212_7213	7212	7213	137.016	-28.656	0.0255	-0.069	0.7935	802.347	1
7213_7213	7213	7213	-14.331	-0.921	0.0945	0.0975	1.0875	171.171	1
7213_7214	7213	7214	134.766	-23.556	0.03	0.075	1.0245	778.7535	1
7214_7214	7214	7214	-13.8105	-1.413	0.096	0.084	1.653	174.609	1
7214_7215	7214	7215	134.9295	-25.3965	0.0135	0.0495	1.2345	764.2005	1
7215_7215	7215	7215	-14.9805	-1.5645	0.0975	0.0855	2.397	181.8315	1
7215_7216	7215	7216	132.0645	-18.7965	0.021	0.063	1.548	724.5	1
7216_7216	7216	7216	-15.681	-1.7685	0.0915	0.06	3.1425	189.657	1
7216_7217	7216	7217	125.7	-12.825	0.0315	-0.015	1.977	659.1585	1
7217_7217	7217	7217	-8.07	-9.7965	0.0345	-0.0795	2.448	202.119	1
7217_7218	7217	7218	120.0615	-12.114	-0.003	-0.123	2.1735	597.126	1
7218_7218	7218	7218	12.6765	-16.17	0.036	-0.1035	1.983	264.7995	1
7218_7219	7218	7219	111.5595	-6.819	0.003	-0.1545	2.454	517.7055	1
7219_7219	7219	7219	34.212	-23.835	0.054	0.324	1.632	363.681	1
7219_7220	7219	7220	99.7275	-1.431	-0.018	0.3645	2.7075	398.124	1
7220_7220	7220	7220	51.921	9.5985	0.0015	0.057	3.8715	859.7715	1
7220_7221	7220	7221	28.932	-51.759	0.0045	0.009	2.28	508.4175	1
7221_7221	7221	7221	59.148	9.261	0.003	0.2415	3.864	753.4785	1
7221_7222	7221	7222	60.036	-43.5015	-0.003	0.1275	2.5395	704.2605	1
7222_7222	7222	7222	65.3835	8.55	-0.018	0.033	3.9735	654.8325	1
7222_7223	7222	7223	96.831	-38.181	0.0165	-0.0495	2.907	873.3495	1
7223_7223	7223	7223	75.087	8.2995	-0.0105	0.0795	2.43	526.5135	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7223_7224	7223	7224	133.6095	-29.247	0.015	0.1035	2.1345	897.1065	1
7224_7224	7224	7224	72.3495	7.7955	-0.0195	-0.0675	2.3175	458.1975	1
7224_7225	7224	7225	149.1315	-31.32	-0.0165	-0.1875	2.0505	967.899	1
7225_7225	7225	7225	64.1895	7.9965	-0.0195	0.0585	2.274	443.31	1
7225_7226	7225	7226	150.6015	-19.1055	-0.009	0.135	2.052	1094.741	1
7226_7226	7226	7226	52.665	7.638	-0.021	-0.093	1.9845	369.738	1
7226_7227	7226	7227	159.1155	-20.943	-0.021	-0.27	1.839	1154.339	1
7227_7227	7227	7227	44.4555	7.6185	-0.0195	0.039	1.7535	315.186	1
7227_7228	7227	7228	158.829	-11.1225	-0.0135	0.2025	1.68	1155.035	1
7228_7228	7228	7228	35.937	7.4445	-0.021	-0.0975	1.5255	260.802	1
7228_7229	7228	7229	161.235	-32.301	-0.0075	-0.3345	1.4805	1172.039	1
7229_7229	7229	7229	32.871	-6.6735	0.003	0.06	1.143	253.8345	1
7229_7230	7229	7230	153.6855	-23.0775	0	0.225	1.4175	1122.138	1
7230_7230	7230	7230	40.326	-7.0785	0.012	-0.117	1.1715	301.4415	1
7230_7231	7230	7231	149.604	-24.411	0.012	-0.3075	1.476	1091.711	1
7231_7231	7231	7231	48.0375	-7.143	0.0135	0.057	1.299	354.5655	1
7231_7232	7231	7232	136.7415	-15.5415	0.0195	0.1815	1.6425	1001.646	1
7232_7232	7232	7232	56.34	-7.9245	-0.0015	-0.159	1.461	407.7975	1
7232_7233	7232	7233	134.466	-21.93	-0.033	-0.312	1.524	984.63	1
7233_7233	7233	7233	58.515	-7.836	-0.0015	-0.072	2.2845	423.7755	1
7233_7234	7233	7234	126.9915	-17.3835	-0.0435	-0.1125	2.0715	949.881	1
7234_7234	7234	7234	62.2755	-7.6605	0	-0.048	2.28	453.921	1
7234_7235	7234	7235	109.632	-11.373	-0.033	-0.033	1.743	875.0055	1
7235_7235	7235	7235	65.1165	-7.5075	0.0015	-0.006	2.286	499.164	1
7235_7236	7235	7236	95.046	-7.689	-0.0225	0.0555	1.6275	813.1785	1
7236_7236	7236	7236	55.014	-8.454	-0.0285	-0.2625	3.5835	586.5585	1
7236_7237	7236	7237	55.671	-5.6775	-0.0705	-0.2385	1.9155	768.0585	1
7237_7237	7237	7237	52.9155	-8.685	-0.024	0.0225	3.2535	662.4645	1
7237_7238	7237	7238	35.313	-0.5145	-0.075	0.1005	1.131	618.1245	1
7238_7238	7238	7238	49.7655	-12.4095	0.0435	-0.336	3.0015	734.163	1
7238_7239	7238	7239	25.014	-10.26	0.159	0.0045	2.4555	535.551	1
7239_7239	7239	7239	46.602	-12.7575	0.0465	0.0735	3.408	831.8565	1
7239_7240	7239	7240	13.413	-3.795	0.1485	0.2325	3.717	390.1815	1
7240_7240	7240	7240	37.1655	24.033	-0.087	-0.1845	2.217	535.0785	1
7240_7241	7240	7241	123.423	-35.9715	-0.0975	-0.6165	4.467	648.321	1
7241_7241	7241	7241	20.589	19.995	-0.0765	0.051	1.9785	414.7065	1
7241_7242	7241	7242	126.1035	-29.178	-0.0885	-0.216	2.88	692.19	1
7242_7242	7242	7242	0.0855	14.9715	-0.084	0.1245	2.016	314.0265	1
7242_7243	7242	7243	123.615	-22.4715	-0.078	0.0075	1.9965	702.8835	1
7243_7243	7243	7243	-14.5635	14.559	-0.0855	-0.1005	1.629	239.3655	1
7243_7244	7243	7244	130.9635	-32.7615	-0.0465	-0.2865	1.3935	796.044	1
7244_7244	7244	7244	-27.897	2.061	-0.084	-0.0825	1.4385	193.818	1
7244_7245	7244	7245	135.12	-25.383	-0.0555	0.039	0.6675	854.94	1
7245_7245	7245	7245	-17.943	-0.756	0.093	0.0765	-1.512	191.439	1
7245_7246	7245	7246	139.1205	-39.012	0.0525	-0.2025	0.84	910.497	1
7246_7246	7246	7246	-17.286	-0.756	0.108	0.165	-0.5505	196.626	1
7246_7247	7246	7247	141.174	-30.9195	0.0465	0.1725	1.2585	915.123	1
7247_7247	7247	7247	-18.7155	-1.368	0.1365	0.0315	0.3735	201.2745	1
7247_7248	7247	7248	142.8675	-28.692	-0.0015	-0.339	1.2615	908.958	1
7248_7248	7248	7248	-18.4245	-1.4235	0.1635	0.183	1.6275	210.1275	1
7248_7249	7248	7249	140.2485	-20.634	-0.0045	0.261	1.38	858.0105	1
7249_7249	7249	7249	-21.4455	-2.28	0.2055	0.0165	3.159	221.133	1
7249_7250	7249	7250	137.2035	-17.4345	0.1185	-0.138	2.8905	797.688	1
7250_7250	7250	7250	-23.8485	-3.711	0.225	0.123	4.845	238.911	1
7250_7251	7250	7251	130.245	-10.992	0.108	0.207	4.3125	706.0905	1
7251_7251	7251	7251	-0.459	-14.2875	-0.162	-0.477	4.0245	301.2615	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7251_7252	7251	7252	132.7485	-22.359	-0.069	-0.3135	4.032	695.844	1
7252_7252	7252	7252	15.603	-17.0985	-0.1095	-0.159	2.001	380.616	1
7252_7253	7252	7253	132.36	-15.297	-0.087	0.159	3.261	648.438	1
7253_7253	7253	7253	52.9635	16.0875	-0.372	1.5375	2.625	972.7695	1
7253_7254	7253	7254	24.1185	-32.439	-0.096	0.3045	2.01	528.675	1
7254_7254	7254	7254	54.5805	11.436	0.252	-0.0795	0.084	877.1265	1
7254_7255	7254	7255	42.9345	-41.229	0.1095	0.0225	3.615	680.7735	1
7255_7255	7255	7255	59.157	11.274	0.2535	0.2145	2.9835	764.5905	1
7255_7256	7255	7256	60.0525	-33.8745	0.1245	0.204	5.2635	758.289	1
7256_7256	7256	7256	61.3215	8.2815	0.009	-0.0015	5.544	671.409	1
7256_7257	7256	7257	83.34	-43.5285	-0.06	-0.126	5.154	889.7925	1
7257_7257	7257	7257	73.566	7.9395	0.006	0.0555	3.543	550.4955	1
7257_7258	7257	7258	118.581	-38.976	-0.039	0.057	3.114	879.4395	1
7258_7258	7258	7258	73.2195	8.055	0.006	0.0645	3.648	508.182	1
7258_7259	7258	7259	129.87	-35.2725	-0.039	0.099	2.9865	923.7555	1
7259_7259	7259	7259	71.3025	7.707	-0.039	-0.0735	3.684	479.3925	1
7259_7260	7259	7260	145.446	-34.932	-0.0195	-0.192	2.931	1004.255	1
7260_7260	7260	7260	68.949	7.875	-0.027	0.0015	2.4945	412.5555	1
7260_7261	7260	7261	161.421	-28.305	-0.012	0.021	2.106	1006.541	1
7261_7261	7261	7261	62.0415	7.875	-0.027	0.0405	2.256	373.581	1
7261_7262	7261	7262	166.41	-22.23	-0.0105	0.117	2.0415	1040.309	1
7262_7262	7262	7262	55.6305	7.5165	-0.021	-0.054	2.0385	337.416	1
7262_7263	7262	7263	175.089	-41.493	-0.021	-0.1335	1.6845	1106.976	1
7263_7263	7263	7263	46.8705	7.5135	-0.021	0.003	1.7955	287.7855	1
7263_7264	7263	7264	176.67	-32.4675	-0.018	0.0645	1.3695	1120.043	1
7264_7264	7264	7264	38.6265	7.2645	-0.0165	-0.063	1.5735	238.722	1
7264_7265	7264	7265	179.7135	-33.096	-0.0045	-0.2175	1.203	1140.327	1
7265_7265	7265	7265	34.4325	-7.5915	0	0.0225	0.924	248.766	1
7265_7266	7265	7266	172.758	-24.51	0.0015	0.132	1.1145	1102.434	1
7266_7266	7266	7266	42.9255	-8.0475	0.003	-0.0915	0.915	297.9795	1
7266_7267	7266	7267	168.1875	-25.0785	-0.0075	-0.1995	0.9075	1075.466	1
7267_7267	7267	7267	52.254	-8.0475	0.006	0.006	0.9585	350.619	1
7267_7268	7267	7268	155.124	-16.9215	0	0.075	0.8085	997.4355	1
7268_7268	7268	7268	61.482	-8.862	-0.012	-0.1695	1.0215	403.9635	1
7268_7269	7268	7269	151.731	-21.561	-0.057	-0.327	0.555	976.236	1
7269_7269	7269	7269	60.6585	-8.8215	-0.0135	-0.1155	1.3065	462.426	1
7269_7270	7269	7270	126.222	-14.745	-0.066	-0.1665	0.021	989.721	1
7270_7270	7270	7270	66.7875	-8.67	-0.0105	0.0075	1.176	519.1845	1
7270_7271	7270	7271	100.0305	-8.223	-0.054	0.09	-0.543	881.085	1
7271_7271	7271	7271	59.1615	-9.7335	-0.12	-0.4065	1.6305	640.9395	1
7271_7272	7271	7272	57.087	-5.667	-0.135	-0.402	-2.3295	812.307	1
7272_7272	7272	7272	57.0765	-9.993	-0.114	0.156	0.186	739.5435	1
7272_7273	7272	7273	29.784	0.3975	-0.0945	0.207	-2.9565	606.7905	1
7273_7273	7273	7273	51.9405	-14.6745	0.381	-0.4995	-1.341	848.4495	1
7273_7274	7273	7274	25.8915	-15.684	0.4425	-0.123	-0.066	572.229	1
7274_7274	7274	7274	50.13	-15.033	0.387	-0.177	0.786	915.6525	1
7274_7275	7274	7275	17.769	-10.8915	0.36	0.1155	3.024	494.748	1
7275_7275	7275	7275	27.9345	19.035	0.2085	0.63	2.826	504.909	1
7275_7276	7275	7276	127.9905	-24.327	0.405	0.6015	6.105	676.1145	1
7276_7276	7276	7276	16.956	17.2485	-0.1515	-0.2115	4.2525	435.852	1
7276_7277	7276	7277	130.3215	-35.385	-0.168	-0.3795	5.079	710.433	1
7277_7277	7277	7277	10.8195	15.453	-0.1395	-0.0705	3.576	378.8775	1
7277_7278	7277	7278	132.9525	-27.321	-0.129	-0.1515	2.4915	746.8215	1
7278_7278	7278	7278	-9.717	11.937	-0.15	0.051	2.589	288.375	1
7278_7279	7278	7279	128.772	-19.6425	-0.1095	0.171	1.0095	743.8395	1
7279_7279	7279	7279	-25.3635	9.747	-0.033	-0.135	1.3695	221.619	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7279_7280	7279	7280	131.112	-24.0285	0.051	-0.3435	1.341	791.541	1
7280_7280	7280	7280	-29.775	4.458	-0.0075	-0.051	1.3905	175.2135	1
7280_7281	7280	7281	126.9375	-13.2525	0.039	0.186	1.521	778.3185	1
7281_7281	7281	7281	-28.4595	-0.756	0.285	0.012	-7.26	209.0895	1
7281_7282	7281	7282	109.467	-13.6665	-0.084	-0.333	2.544	861.567	1
7282_7282	7282	7282	-30.576	-0.954	0.3405	0.177	-4.002	216.8175	1
7282_7283	7282	7283	112.6485	-21.765	0.006	0.273	0.8685	801.3525	1
7283_7283	7283	7283	-33.228	-3.354	0.3015	-0.0765	-0.3165	226.0215	1
7283_7284	7283	7284	119.964	-26.985	0.2625	-0.4185	3.4335	818.0115	1
7284_7284	7284	7284	-34.659	-4.482	0.3915	0.1995	2.6895	255.6615	1
7284_7285	7284	7285	122.61	-19.1595	0.2595	0.3975	6.3405	785.694	1
7285_7285	7285	7285	-21.7485	-11.37	0.072	-0.2775	4.7235	305.235	1
7285_7286	7285	7286	128.7135	-25.467	-0.165	-0.408	5.6355	798.075	1
7286_7286	7286	7286	-7.734	-13.6485	0.0795	-0.0975	4.266	379.965	1
7286_7287	7286	7287	131.3745	-19.7955	-0.2055	-0.0765	4.53	782.4495	1
7287_7287	7287	7287	5.889	-17.0235	0.09	0.21	3.549	471.0855	1
7287_7288	7287	7288	132.5715	-14.313	-0.2625	0.357	2.8275	757.4205	1
7288_7288	7288	7288	46.5945	13.3485	0.1035	-0.1515	4.7385	1152.617	1
7288_7289	7288	7289	33.549	-41.394	0.2205	-0.111	3.9135	789.4845	1
7289_7289	7289	7289	50.0175	13.176	0.105	0.75	6.0135	1004.46	1
7289_7290	7289	7290	50.481	-33.204	0.2355	0.5655	6.9915	927.54	1
7290_7290	7290	7290	52.014	9.9225	0.0585	-0.162	7.323	880.0155	1
7290_7291	7290	7291	64.008	-38.274	0.003	-0.258	7.4265	1044.951	1
7291_7291	7291	7291	52.8495	9.9705	0.0585	-0.084	7.737	817.1295	1
7291_7292	7291	7292	77.601	-31.359	0.0255	-0.1785	8.1225	1149.398	1
7292_7292	7292	7292	60.6945	9.8775	0.042	0.402	5.559	690.003	1
7292_7293	7292	7293	96.5415	-27.762	0.0255	0.6045	5.7165	1094.984	1
7293_7293	7293	7293	58.9875	6.81	-0.0435	-0.2175	5.808	659.3505	1
7293_7294	7293	7294	109.08	-59.139	-0.09	-0.432	5.7735	1223.577	1
7294_7294	7294	7294	56.244	6.8475	-0.042	-0.027	5.4975	624.93	1
7294_7295	7294	7295	120.8475	-52.065	-0.081	-0.072	5.073	1347.294	1
7295_7295	7295	7295	44.799	6.867	-0.063	0.3585	7.8945	627.504	1
7295_7296	7295	7296	109.2345	-46.818	-0.1065	0.7155	7.0575	1528.257	1
7296_7296	7296	7296	42.12	5.991	-0.075	-0.2625	7.449	591.8865	1
7296_7297	7296	7297	120.855	-49.173	-0.0975	-0.726	6.1335	1682.679	1
7297_7297	7297	7297	38.4735	5.991	-0.072	0.1545	6.6285	543.3885	1
7297_7298	7297	7298	126.6735	-40.1835	-0.1005	0.4665	4.9545	1759.752	1
7298_7298	7298	7298	34.848	5.208	-0.075	-0.324	5.871	493.4595	1
7298_7299	7298	7299	134.8305	-44.721	-0.0675	-1.1625	4.0245	1867.886	1
7299_7299	7299	7299	31.608	5.208	-0.072	0.156	5.031	450.3705	1
7299_7300	7299	7300	136.953	-35.1315	-0.0585	0.6795	3.057	1895.631	1
7300_7300	7300	7300	27.9735	4.6935	-0.075	-0.2535	4.1205	402.039	1
7300_7301	7300	7301	142.0965	-18.6825	-0.0915	-1.0395	2.1315	1964.558	1
7301_7301	7301	7301	24.8055	4.6935	-0.072	0.0885	3.2145	359.898	1
7301_7302	7301	7302	141.411	-9.7245	-0.0825	0.7815	1.032	1955	1
7302_7302	7302	7302	21.8685	4.398	-0.0645	-0.2445	2.397	319.7475	1
7302_7303	7302	7303	144.177	-14.9715	-0.051	-1.1505	0.249	1991.118	1
7303_7303	7303	7303	18.7545	4.398	-0.063	0.0585	1.5645	278.3295	1
7303_7304	7303	7304	140.442	-6.477	-0.0405	0.969	-0.2745	1940.507	1
7304_7304	7304	7304	16.0665	4.1775	-0.036	-0.2235	0.873	242.556	1
7304_7305	7304	7305	139.968	-12.411	-0.024	-1.1535	-0.57	1932.575	1
7305_7305	7305	7305	13.3935	4.1775	-0.033	-0.0075	0.459	206.9865	1
7305_7306	7305	7306	131.7705	-2.559	-0.0135	0.7995	-0.705	1820.72	1
7306_7306	7306	7306	10.671	3.942	0.0075	-0.198	0.0645	169.296	1
7306_7307	7306	7307	124.5375	-5.8455	0.0165	-1.0965	-0.408	1720.167	1
7307_7307	7307	7307	8.0895	3.9405	0.0105	-0.0405	0.1605	134.778	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7307_7308	7307	7308	107.4645	5.133	0.021	0.822	-0.0915	1486.502	1
7308_7308	7308	7308	5.544	4.0575	-0.4335	-0.1575	0.2835	100.1415	1
7308_7309	7308	7309	84.96	14.4225	-0.096	-0.825	-1.221	1183.199	1
7309_7309	7309	7309	2.9865	4.0365	-0.4125	-0.0795	-4.695	64.347	1
7309_7310	7309	7310	51.795	27.1485	-0.0705	0.5205	-1.7925	731.0055	1
7310_7310	7310	7310	1.254	3.345	0.507	-0.0915	-6.7815	29.874	1
7310_7311	7310	7311	3.483	-3.6375	-0.903	0.015	0	10.8255	1
7400_7020	7400	7020	49.4625	1.3395	1.05	0.0615	-33.627	185.859	1
7400_7401	7400	7401	-37.7175	24.648	-4.545	0.0345	-13.6935	548.376	1
7401_7401	7401	7401	52.6335	1.182	2.1735	-0.7575	-29.868	180.918	1
7401_7402	7401	7402	-37.9065	20.6685	0.6255	-0.969	-11.037	476.2215	1
7402_7402	7402	7402	55.3545	2.319	2.121	0.1335	-22.8555	176.9445	1
7402_7403	7402	7403	-35.1465	19.6515	0.5895	0.246	-3.1575	261.51	1
7403_7403	7403	7403	62.763	3.732	0.0285	-0.1455	-0.1545	152.8755	1
7403_7404	7403	7404	-34.962	15.375	0.0945	-0.1305	-2.2785	150.711	1
7404_7404	7404	7404	67.9455	4.905	-0.003	-0.0675	-0.0105	126.945	1
7404_7405	7404	7405	-38.1165	14.4135	0.117	0.0105	-1.4805	46.2495	1
7405_7405	7405	7405	76.896	6.2235	0.1185	-0.114	-0.468	94.203	1
7405_7406	7405	7406	-44.865	-6.681	-0.0795	0.102	-0.9705	24.1245	1
7406_7406	7406	7406	31.0695	-8.0715	-0.219	-0.0345	0.6015	142.293	1
7406_7407	7406	7407	-60.255	-9.5625	1.419	0.204	11.8185	106.056	1
7407_7407	7407	7407	29.472	-8.763	0.0015	0.012	0.5235	220.6575	1
7407_7408	7407	7408	-62.9745	-11.034	1.4205	-0.03	19.653	167.079	1
7408_7408	7408	7408	27.1095	-14.9175	-0.105	0.0705	1.464	269.7705	1
7408_7409	7408	7409	-63.282	2.2875	-2.625	1.23	13.056	159.276	1
7409_7409	7409	7409	27.0675	14.8125	-0.039	-0.054	1.1445	314.7675	1
7409_7410	7409	7410	-66.456	-3.5595	-1.905	-1.0695	6.9195	169.179	1
7410_7410	7410	7410	29.4	8.634	-0.0315	-0.0345	0.945	269.9805	1
7410_7411	7410	7411	-65.847	10.4325	-0.618	0.1425	4.161	110.2485	1
7411_7411	7411	7411	29.322	9.1185	-0.036	0.0285	0.7095	222.3255	1
7411_7412	7411	7412	-54.939	8.199	-0.7335	0.069	-1.089	32.136	1
7412_7412	7412	7412	31.2735	9.0285	0.0045	0.018	0.5265	145.923	1
7412_7413	7412	7413	-38.9565	-10.461	-0.099	0.0555	-1.686	43.5075	1
7413_7413	7413	7413	74.112	-1.074	-0.078	0.1215	-0.1185	81.039	1
7413_7414	7413	7414	-35.103	-14.1165	-0.1095	0.0855	-2.3835	145.092	1
7414_7414	7414	7414	84.5505	-2.859	-0.021	-0.156	0.711	109.815	1
7414_7415	7414	7415	-34.7715	-14.9145	-0.1335	0.021	-3.309	252.519	1
7415_7415	7415	7415	87.711	-1.1115	2.892	0.1155	0.2835	131.0475	1
7415_7416	7415	7416	-35.7435	-19.206	-0.711	0.066	-11.364	462.0525	1
7416_7416	7416	7416	80.3085	0.4425	2.9025	-0.7365	31.0485	145.1535	1
7416_7417	7416	7417	-35.2785	-20.049	-0.735	-0.027	-13.821	531.933	1
7417_7417	7417	7417	80.454	0.579	-0.024	0.0735	42.546	143.6055	1
7417_7036	7417	7036	-35.094	-23.8575	4.5795	-0.033	4.302	629.604	1
7420_7056	7420	7056	44.8335	0.096	1.1145	0.0615	-29.679	125.199	1
7420_7421	7420	7421	-35.9685	22.5345	-4.764	0.0165	-12.2055	478.251	1
7421_7421	7421	7421	46.1475	0.09	1.8795	-0.477	-24.7395	124.8195	1
7421_7422	7421	7422	-36.156	18.6855	0.654	-0.4155	-8.922	413.0655	1
7422_7422	7422	7422	47.2245	1.1475	1.8765	0.0465	-18.4755	124.71	1
7422_7423	7422	7423	-35.7525	17.7705	0.6495	0.0825	-1.4835	218.8335	1
7423_7423	7423	7423	54.6915	2.3025	-0.093	-0.126	1.641	114.2625	1
7423_7424	7423	7424	-35.475	13.5	0.021	-0.1155	-1.2015	121.41	1
7424_7424	7424	7424	61.0155	3.258	-0.1395	-0.0735	0.9915	99.135	1
7424_7425	7424	7425	-36.4965	12.624	0.0435	0.006	-0.858	30.2565	1
7425_7425	7425	7425	69.7005	4.4445	0.1365	-0.1065	-0.372	78.279	1
7425_7426	7425	7426	-51.291	-4.944	0.024	-0.0825	-0.516	21.9585	1
7426_7426	7426	7426	32.58	-6.936	-0.138	-0.081	0.534	126.444	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7426_7427	7426	7427	-60.726	-7.41	-0.12	-0.1455	-1.431	84.6855	1
7427_7427	7427	7427	31.2735	-7.0605	-0.045	0.096	0.276	192.2595	1
7427_7428	7427	7428	-63.4575	-8.823	-0.117	-0.042	-2.487	133.317	1
7428_7428	7428	7428	29.229	-13.68	0.072	0.081	0.693	232.3425	1
7428_7429	7428	7429	-58.2225	3.729	1.815	0.36	3.462	121.464	1
7429_7429	7429	7429	29.217	13.656	0.063	-0.072	0.9855	273.8355	1
7429_7430	7429	7430	-60.8115	-3.435	2.094	-0.423	9.324	131.22	1
7430_7430	7430	7430	31.2255	7.2165	-0.03	-0.1635	1.185	232.668	1
7430_7431	7430	7431	-54.999	8.9145	-0.7245	-0.1215	4.89	81.177	1
7431_7431	7431	7431	31.1085	7.6965	-0.0555	0.093	0.789	192.6075	1
7431_7432	7431	7432	-45.2025	6.1005	-0.5715	0.096	-1.0965	20.0325	1
7432_7432	7432	7432	31.3695	8.2905	-0.0045	0.006	0.426	126.834	1
7432_7433	7432	7433	-37.149	-9.3945	-0.057	0.051	-0.8955	29.7885	1
7433_7433	7433	7433	69.357	-2.409	0.1425	0.0855	-0.0645	79.245	1
7433_7434	7433	7434	-36.033	-12.594	-0.039	0.009	-1.17	120.438	1
7434_7434	7434	7434	61.9665	-2.0295	0.114	0.12	0.9885	101.9055	1
7434_7435	7434	7435	-35.7255	-13.4445	-0.0225	0.102	-1.353	217.38	1
7435_7435	7435	7435	55.6125	-0.816	-2.3085	-0.087	2.2335	118.4805	1
7435_7436	7435	7436	-36.8745	-17.7645	-0.7215	-0.1575	-9.312	411.1725	1
7436_7436	7436	7436	47.862	-0.165	-2.2095	0.615	-21.1995	130.8135	1
7436_7437	7436	7437	-36.444	-18.633	-0.6735	0.678	-11.826	476.1	1
7437_7437	7437	7437	45.0435	-0.303	-0.8145	-0.0765	-28.839	131.526	1
7437_7072	7437	7072	-39.5145	-22.8945	4.512	-0.039	4.3545	568.6365	1
7440_7094	7440	7094	42.126	0.279	1.017	0.066	-22.797	125.049	1
7440_7441	7440	7441	-36.111	22.161	-4.7175	0.036	-11.4525	461.8845	1
7441_7441	7441	7441	43.1295	0.282	1.4175	-0.3645	-18.3135	124.11	1
7441_7442	7441	7442	-36.2805	18.2565	0.6585	-0.282	-8.2845	398.142	1
7442_7442	7442	7442	44.9955	1.2405	1.458	-0.0075	-13.8705	123.444	1
7442_7443	7442	7443	-35.892	17.325	0.645	0.0225	-0.993	208.7205	1
7443_7443	7443	7443	53.181	2.2785	-0.126	-0.0945	1.734	111.8445	1
7443_7444	7443	7444	-35.586	13.0305	0.012	-0.06	-0.7425	114.747	1
7444_7444	7444	7444	57.1815	3.3075	-0.114	-0.1425	0.828	96.345	1
7444_7445	7444	7445	-36.5775	12.1545	0.0015	-0.0765	-0.738	27.0315	1
7445_7445	7445	7445	65.9265	4.3455	0.111	-0.1275	-0.3525	75.48	1
7445_7446	7445	7446	-46.7745	-4.629	0.018	-0.0975	-0.5655	20.8275	1
7446_7446	7446	7446	32.2905	-6.576	0.006	-0.159	0.27	122.0925	1
7446_7447	7446	7447	-57.48	-7.0545	0.039	-0.195	-0.123	80.676	1
7447_7447	7447	7447	31.275	-6.66	0.021	0.237	1.0635	184.4955	1
7447_7448	7447	7448	-59.853	-8.3505	0.135	-0.0195	0.39	126.69	1
7448_7448	7448	7448	29.4015	-13.278	0.027	0.2085	1.4805	222.282	1
7448_7449	7448	7449	-53.9445	3.345	1.7925	0.9375	6.3195	115.5075	1
7449_7449	7449	7449	29.4225	13.305	0.069	-0.207	1.548	262.4985	1
7449_7450	7449	7450	-57.924	-3.2745	2.148	-0.969	12.351	124.692	1
7450_7450	7450	7450	31.311	6.813	-0.0915	0.042	1.3305	222.312	1
7450_7451	7450	7451	-54.5055	7.89	0.153	0.1185	-1.554	78.3645	1
7451_7451	7451	7451	31.2705	7.293	-0.0525	-0.03	0.639	184.482	1
7451_7452	7451	7452	-44.082	6.087	-0.024	0.093	-0.5085	20.2965	1
7452_7452	7452	7452	31.6185	7.938	-0.009	0.0045	0.384	122.2785	1
7452_7453	7452	7453	17.4795	-2.6415	-0.0945	0.0585	-0.1965	28.686	1
7453_7453	7453	7453	67.509	-2.334	0.141	0.1215	-0.0735	78.588	1
7453_7454	7453	7454	-35.145	-12.1515	-0.018	0.045	-0.7845	115.254	1
7454_7454	7454	7454	59.937	-1.9725	0.1305	0.1275	0.966	100.32	1
7454_7455	7454	7455	-34.8465	-12.981	-0.0105	0.0915	-0.87	208.8435	1
7455_7455	7455	7455	53.766	-0.792	-1.7205	-0.0105	2.355	116.28	1
7455_7456	7455	7456	-35.877	-17.3175	-0.6405	-0.075	-7.995	397.8075	1
7456_7456	7456	7456	47.799	-0.0735	-1.65	0.456	-15.3315	127.596	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7456_7457	7456	7457	-35.466	-18.1455	-0.615	0.4515	-10.2255	460.947	1
7457_7457	7457	7457	45.471	-0.1485	-0.9345	-0.0735	-21.1995	128.136	1
7457_7110	7457	7110	-38.3475	-22.4835	4.4835	-0.0405	6.3525	551.94	1
7460_7132	7460	7132	26.5155	0.723	0.297	0.0255	-13.1055	119.562	1
7460_7461	7460	7461	-36.474	24.1365	-3.4485	0.0375	-10.689	467.5605	1
7461_7461	7461	7461	28.3665	1.827	0.8655	-0.141	-11.742	116.556	1
7461_7462	7461	7462	-37.599	18.6225	0.6735	0.1035	-7.5465	402.6225	1
7462_7462	7462	7462	80.169	-0.5865	-1.518	-0.027	14.919	112.983	1
7462_7463	7462	7463	-37.002	17.64	0.627	-0.0825	-0.627	209.6025	1
7463_7463	7463	7463	85.0845	1.101	0.129	0.1575	-1.7235	121.098	1
7463_7464	7463	7464	-37.872	13.569	0.045	0.0135	-0.522	111.825	1
7464_7464	7464	7464	91.17	2.9145	0.252	0.0165	-0.8475	114.297	1
7464_7465	7464	7465	26.7195	1.6485	0.1305	0.0045	0.339	33.753	1
7465_7465	7465	7465	94.6965	4.812	-0.0135	0.0945	0.9855	94.9395	1
7465_7466	7465	7466	-25.6905	-5.064	-0.045	0.072	-0.4665	48.5895	1
7466_7466	7466	7466	29.6595	-8.2185	-0.0075	0.0795	0.141	125.337	1
7466_7467	7466	7467	-35.1315	-6.75	-0.033	0.1155	-0.5355	106.464	1
7467_7467	7467	7467	30.8145	-7.6755	0.003	-0.1005	-0.1305	198.7245	1
7467_7468	7467	7468	-37.614	-7.6545	-0.0915	0.033	-1.2555	148.746	1
7468_7468	7468	7468	30.4635	-14.5305	-0.117	-0.0165	-0.4155	241.3845	1
7468_7469	7468	7469	-37.215	0.2655	-0.42	0.2865	-2.253	147.186	1
7469_7469	7469	7469	31.77	15.072	0.276	-0.012	-1.4295	289.65	1
7469_7470	7469	7470	-52.308	-1.4895	0.7545	-0.5415	0.2385	169.7745	1
7470_7470	7470	7470	33.0105	7.965	0.039	-0.0045	-0.3105	244.209	1
7470_7471	7470	7471	-47.7345	9.3405	-0.0615	-0.0825	0.219	117.363	1
7471_7471	7471	7471	32.835	8.658	0.0435	-0.0405	-0.081	199.9395	1
7471_7472	7471	7472	-40.0215	7.755	-0.1305	-0.105	-0.45	44.9625	1
7472_7472	7472	7472	29.4315	9.849	0.003	-0.0255	0.2715	123.8325	1
7472_7473	7472	7473	25.5315	-1.7115	-0.0135	-0.0135	0.1545	33.423	1
7473_7473	7473	7473	92.325	-1.608	-0.0645	-0.1485	0.7425	86.5965	1
7473_7474	7473	7474	-36.93	-13.5	-0.051	-0.0405	-0.801	126.591	1
7474_7474	7474	7474	88.7655	0.246	-0.198	-0.0105	0.1875	99	1
7474_7475	7474	7475	-36.606	-14.355	-0.006	0.159	-0.9	230.046	1
7475_7475	7475	7475	47.775	-2.5005	-1.197	0.0135	1.503	117.6375	1
7475_7476	7475	7476	-36.81	-18.8025	-0.567	0.0165	-7.023	435.162	1
7476_7476	7476	7476	43.863	-1.683	-1.1175	0.246	-10.827	146.5245	1
7476_7477	7476	7477	-40.0245	-19.9365	-0.6255	0.111	-9.708	504.2625	1
7477_7477	7477	7477	42.273	-1.7205	-0.0615	-0.045	-14.9775	152.658	1
7477_7148	7477	7148	-41.376	-24.243	4.5555	-0.0435	7.758	603.0615	1
7480_7168	7480	7168	35.937	1.215	0.318	0.0405	-14.529	124.7715	1
7480_7481	7480	7481	-39.084	24.2355	-4.359	0.018	-9.8565	520.038	1
7481_7481	7481	7481	35.8725	1.272	0.8985	0.0045	-12.537	119.8065	1
7481_7482	7481	7482	-39.3	20.3265	0.603	0.75	-6.4755	449.112	1
7482_7482	7482	7482	38.733	2.0265	1.044	-0.075	-9.984	115.899	1
7482_7483	7482	7483	-38.739	19.3065	0.4995	-0.282	-1.2075	237.792	1
7483_7483	7483	7483	87.264	0.2925	0.135	0.0645	-1.2735	109.377	1
7483_7484	7483	7484	-39.477	14.9085	0.042	-0.0615	-0.8805	130.341	1
7484_7484	7484	7484	93.999	2.076	0.1365	0.0705	-0.2565	108.3255	1
7484_7485	7484	7485	29.4045	1.1775	0.0675	0.018	0.219	39.096	1
7485_7485	7485	7485	97.1235	3.9375	-0.018	0.0795	0.807	94.5105	1
7485_7486	7485	7486	-36.3735	-5.3895	-0.0585	0.072	-0.603	39.5355	1
7486_7486	7486	7486	31.9485	-8.8905	0.0135	0.0825	0.084	131.814	1
7486_7487	7486	7487	-46.041	-7.41	0.048	0.1185	0.048	103.668	1
7487_7487	7487	7487	34.257	-8.4	0.0135	-0.105	-0.108	211.725	1
7487_7488	7487	7488	-47.799	-8.4825	-0.015	0.0255	-0.1905	150.7155	1
7488_7488	7488	7488	32.565	-15.711	-0.219	0.054	-0.075	258.4065	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7488_7489	7488	7489	-48.3315	1.7415	-0.624	0.4575	-1.854	144.8385	1
7489_7489	7489	7489	35.067	16.2375	0.3015	-0.0615	-1.11	309.573	1
7489_7490	7489	7490	-46.332	-1.116	0.918	-0.411	-0.24	162.7185	1
7490_7490	7490	7490	36.15	8.409	0.0285	-0.1425	0.1035	260.748	1
7490_7491	7490	7491	-39.2295	8.2305	-0.0585	-0.1455	0.0045	115.6965	1
7491_7491	7491	7491	35.205	9.1395	-0.009	0.054	0.225	214.0395	1
7491_7492	7491	7492	-30.8325	6.759	-0.0855	-0.0315	-0.288	51.7155	1
7492_7492	7492	7492	31.68	10.464	0.021	-0.021	0.192	133.38	1
7492_7493	7492	7493	-43.1145	-10.8585	-0.0405	0.0465	-0.7395	28.0695	1
7493_7493	7493	7493	104.169	-1.3065	-0.2145	-0.012	0.8985	93.723	1
7493_7494	7493	7494	-41.331	-14.2005	-0.0105	0.129	-0.7845	130.458	1
7494_7494	7494	7494	95.9925	0.3135	-0.09	-0.1335	-0.6555	105.0345	1
7494_7495	7494	7495	-40.989	-15.1575	-0.06	-0.03	-1.155	239.7	1
7495_7495	7495	7495	94.389	1.9365	1.254	0.0135	-1.455	103.9065	1
7495_7496	7495	7496	-41.355	-19.6605	-0.429	0.0165	-5.8725	454.122	1
7496_7496	7496	7496	35.3475	-1.8405	-0.8235	0.1755	-7.8555	124.11	1
7496_7497	7496	7497	-45	-20.9205	-0.4875	0.0795	-8.067	526.365	1
7497_7497	7497	7497	35.4105	-1.803	-0.4755	-0.0375	-11.16	130.524	1
7497_7184	7497	7184	-46.515	-25.086	3.966	-0.051	7.1355	628.4985	1
7500_7204	7500	7204	78.57	-1.1085	0.081	-0.0645	18.6405	120.9645	1
7500_7501	7500	7501	-41.178	24.801	-3.7755	0.051	-7.089	551.0805	1
7501_7501	7501	7501	85.6755	-1.431	-1.3725	0.3225	19.083	126.918	1
7501_7502	7501	7502	-40.371	20.9475	0.2925	-0.2175	-5.4855	477.966	1
7502_7502	7502	7502	85.707	0.624	-1.3905	0.006	14.307	131.91	1
7502_7503	7502	7503	-40.8615	19.9725	0.3	0.0105	-2.187	259.854	1
7503_7503	7503	7503	89.8635	2.187	0.144	0.0255	-0.6705	128.4945	1
7503_7504	7503	7504	-40.158	15.6675	0.051	-0.18	-1.701	146.9295	1
7504_7504	7504	7504	93.3555	4.1385	0.0135	0.171	0.4875	113.514	1
7504_7505	7504	7505	-41.3895	14.682	0.099	0.0555	-0.9315	40.824	1
7505_7505	7505	7505	93.4845	6.129	0.018	0.1095	0.5985	85.62	1
7505_7506	7505	7506	-55.989	-5.538	-0.057	-0.0765	-1.1565	21.6735	1
7506_7506	7506	7506	35.2725	-8.223	0	0.0495	0.1665	153.4335	1
7506_7507	7506	7507	-72.3975	-8.8995	0.3615	-0.0585	2.061	95.529	1
7507_7507	7507	7507	32.805	-8.9055	0.087	-0.153	0.561	235.218	1
7507_7508	7507	7508	-74.769	-10.554	0.258	-0.1875	3.2085	153.699	1
7508_7508	7508	7508	30.384	-15.8415	0.096	0.237	1.6665	285.2265	1
7508_7509	7508	7509	-68.8665	4.299	1.848	1.4505	9.1785	140.2515	1
7509_7509	7509	7509	30.408	15.951	0.204	-0.2385	1.959	333.1215	1
7509_7510	7509	7510	-71.181	-4.281	2.307	-1.4775	15.924	152.76	1
7510_7510	7510	7510	33.2745	9.3195	-0.126	-0.1275	2.4015	284.8965	1
7510_7511	7510	7511	-64.869	10.263	-1.164	-0.051	8.7495	95.2785	1
7511_7511	7511	7511	32.9805	9.837	-0.117	0.0615	1.323	233.5905	1
7511_7512	7511	7512	-48.3255	7.5765	-1.1145	-0.129	-1.0185	20.166	1
7512_7512	7512	7512	33.9075	10.026	0	0.0015	0.552	150.816	1
7512_7513	7512	7513	-42.543	-11.562	-0.087	0.066	-1.212	45.399	1
7513_7513	7513	7513	77.07	-2.6205	0.021	0.0855	-0.0405	87.4935	1
7513_7514	7513	7514	-40.1625	-15.1965	-0.0285	0.042	-1.3455	154.7895	1
7514_7514	7514	7514	70.6185	-2.229	0.024	0.09	0.1635	112.488	1
7514_7515	7514	7515	-38.9925	-16.1355	-0.0285	0.0765	-1.5405	271.0275	1
7515_7515	7515	7515	63.012	-0.846	-0.963	-0.153	0.6045	130.8225	1
7515_7516	7515	7516	-40.8585	-20.379	-0.1935	-0.5835	-3.852	493.5465	1
7516_7516	7516	7516	54.6945	-0.072	-1.1265	0.7185	-9.042	143.544	1
7516_7517	7516	7517	-40.3575	-21.3525	-0.0345	1.785	-4.59	568.02	1
7517_7517	7517	7517	52.8375	-0.2415	-1.128	-0.054	-13.3305	143.799	1
7517_7220	7517	7220	-43.8015	-25.44	3.5235	0.1095	6.603	671.556	1
7520_7240	7520	7240	87.4095	13.89	2.148	-0.0855	20.9565	153.435	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7520_7521	7520	7521	-57.7455	16.4805	-8.9715	-1.0455	-19.665	639.0195	1
7521_7521	7521	7521	89.1765	-1.9635	-1.647	0.237	24.8835	118.59	1
7521_7522	7521	7522	-55.983	23.613	0.606	-1.344	-16.4055	557.2335	1
7522_7522	7522	7522	92.565	-0.0045	-1.8765	0.0345	19.6965	125.4765	1
7522_7523	7522	7523	-55.1955	22.23	0.66	0.192	-8.328	314.262	1
7523_7523	7523	7523	95.076	1.6755	0.135	-0.0555	-1.1895	128.289	1
7523_7524	7523	7524	-55.8765	18.1845	0.3585	-0.3105	-5.2425	182.676	1
7524_7524	7524	7524	99.0765	3.699	-0.06	0.174	-0.108	117.0105	1
7524_7525	7524	7525	-57.7005	16.7835	0.456	0.1605	-1.8585	61.113	1
7525_7525	7525	7525	98.898	6.1095	0.12	0.09	-0.9405	92.316	1
7525_7526	7525	7526	-51.093	-4.8225	-0.063	-0.0735	-0.618	15.735	1
7526_7526	7526	7526	49.713	-9.12	0.75	-0.324	-2.994	168.9795	1
7526_7527	7526	7527	-74.478	-9.0135	1.9275	-0.0945	16.5795	89.808	1
7527_7527	7527	7527	46.5975	-10.008	0.24	0.339	0.6105	259.83	1
7527_7528	7527	7528	-81.813	-11.07	2.1435	-0.1995	28.491	150.189	1
7528_7528	7528	7528	43.245	-19.662	0.3405	0.0615	1.119	315.6075	1
7528_7529	7528	7529	-72.228	4.968	-0.357	3.18	28.2585	134.1795	1
7529_7529	7529	7529	43.149	19.3485	0.456	-0.276	1.908	375.2325	1
7529_7530	7529	7530	-75.81	-4.932	1.584	-3.513	33.111	149.379	1
7530_7530	7530	7530	46.8255	9.9525	0.168	-0.5685	3.3825	316.7355	1
7530_7531	7530	7531	-66.6705	10.089	-2.3115	-0.042	19.647	92.3175	1
7531_7531	7531	7531	46.056	10.6485	0.165	0.2415	2.7405	262.2165	1
7531_7532	7531	7532	-49.683	7.38	-1.9755	-0.135	1.158	19.539	1
7532_7532	7532	7532	45.825	11.2875	-0.237	-0.015	4.1145	172.005	1
7532_7533	7532	7533	-60.0015	-12.6825	0.2655	0.036	0.474	45.6	1
7533_7533	7533	7533	80.6475	-1.6575	0.099	-0.042	2.6775	90.4215	1
7533_7534	7533	7534	-56.9505	-16.6155	0.2175	-0.183	2.055	164.973	1
7534_7534	7534	7534	73.32	-1.866	-0.0285	0.1185	3.513	111.5745	1
7534_7535	7534	7535	-56.46	-17.9145	0.33	0.135	4.308	294.009	1
7535_7535	7535	7535	64.6905	-0.5625	0.2175	-0.0375	3.6045	127.7205	1
7535_7536	7535	7536	-56.565	-22.0815	-0.192	-0.4755	2.0955	535.113	1
7536_7536	7536	7536	54.846	0.0825	0.03	0.213	5.493	137.9715	1
7536_7537	7536	7537	-56.025	-23.4195	-0.051	0.987	1.503	616.788	1
7537_7537	7537	7537	53.799	-0.1785	-2.1255	-1.5105	5.7345	137.325	1
7537_7253	7537	7253	-60.921	-26.832	0.0645	0.0375	1.3215	725.487	1
7540_7275	7540	7275	80.8575	-1.311	-1.9095	-0.741	10.338	121.041	1
7540_7541	7540	7541	-58.9995	23.9325	-0.1035	-0.4035	2.9505	599.013	1
7541_7541	7541	7541	85.68	-1.596	-0.063	-0.225	0.1425	128.0985	1
7541_7542	7541	7542	-58.857	22.0335	-0.882	-1.1805	-0.1815	521.799	1
7542_7542	7542	7542	90.3315	0.2955	-0.1755	0.066	-1.008	134.676	1
7542_7543	7542	7543	-57.0375	20.487	-0.7425	-0.063	-8.265	297.4485	1
7543_7543	7543	7543	96.7905	1.968	0.3825	-0.1305	-4.2585	136.131	1
7543_7544	7543	7544	-59.0205	17.1795	0.2235	-0.4395	-5.9745	172.9095	1
7544_7544	7544	7544	100.4685	4.08	0.1095	0.249	-1.4235	122.7495	1
7544_7545	7544	7545	-59.409	15.783	0.375	0.1875	-3.114	59.1465	1
7545_7545	7545	7545	100.2825	6.7005	0.0825	0.123	-1.29	95.4135	1
7545_7546	7545	7546	-54.5445	-5.5305	-0.051	-0.108	-0.177	20.8515	1
7546_7546	7546	7546	53.4765	-8.583	1.4055	-0.477	-5.961	175.008	1
7546_7547	7546	7547	-79.5495	-10.173	2.967	-0.1125	26.799	103.5885	1
7547_7547	7547	7547	49.1355	-9.3315	0.5625	0.2775	0.672	259.2435	1
7547_7548	7547	7548	-83.805	-12.1425	3.2895	-0.3645	45.6885	170.118	1
7548_7548	7548	7548	45.555	-19.794	0.9915	-0.1575	-0.5295	312.3225	1
7548_7549	7548	7549	-72.078	4.491	-1.332	5.4675	41.613	154.5465	1
7549_7549	7549	7549	46.0665	20.4885	1.137	-0.5685	2.643	372.5265	1
7549_7550	7549	7550	-75.7125	-3.462	1.998	-6.3615	48.69	168.108	1
7550_7550	7550	7550	49.2585	9.645	0.4485	-0.4935	2.097	311.592	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7550_7551	7550	7551	-64.6695	11.3985	-3.1845	0.1305	29.1465	101.5125	1
7551_7551	7551	7551	48.111	10.302	0.654	0.03	1.7355	257.2305	1
7551_7552	7551	7552	-42.264	7.785	-2.5395	-0.279	3.345	23.946	1
7552_7552	7552	7552	48.4035	10.452	-0.333	-0.087	6.8235	175.374	1
7552_7553	7552	7553	-67.0695	-13.4445	0.549	0.066	1.4805	56.1465	1
7553_7553	7553	7553	81.7545	-1.7025	0.288	-0.021	5.343	108.15	1
7553_7554	7553	7554	-64.602	-17.3445	0.576	-0.135	5.649	177.483	1
7554_7554	7554	7554	74.382	-2.493	0.288	-0.027	7.8615	132.5385	1
7554_7555	7554	7555	-64.143	-18.972	0.6585	-0.0285	10.1925	311.0295	1
7555_7555	7555	7555	65.7285	-0.9435	-0.4275	-0.03	10.2855	152.67	1
7555_7556	7555	7556	-68.463	-23.232	0.141	-0.318	11.9145	557.577	1
7556_7556	7556	7556	56.1555	-0.2055	-0.597	-0.075	3.9165	168.4785	1
7556_7557	7556	7557	-67.785	-25.1385	0.168	-0.402	12.4125	643.7655	1
7557_7557	7557	7557	55.3545	-5.856	-8.1	-0.7995	1.4265	169.275	1
7557_7288	7557	7288	-67.9635	-22.335	-4.209	-0.336	-5.7435	735.792	1
47000_7000	47000	7000	2.193	22.899	-1.338	-0.732	0	16.854	1
47000_7001	47000	7001	-1.254	-80.8515	0.5655	0.4875	5.934	840.0075	1
47001_7001	47001	7001	-0.585	-5.133	1.545	1.0755	16.23	48.291	1
47001_7002	47001	7002	-1.575	-68.9265	0.753	0.5685	14.9955	1359.909	1
47002_7002	47002	7002	-0.657	-5.3805	-0.471	1.2405	29.9205	96.8085	1
47002_7003	47002	7003	-1.731	-55.7355	-0.558	-0.1695	10.299	1877.651	1
47003_7003	47003	7003	-0.6705	-5.3805	-0.462	1.3905	24.0975	161.9445	1
47003_7004	47003	7004	-1.9635	-43.014	-0.663	1.6065	4.8495	2168.277	1
47004_7004	47004	7004	-0.6675	-5.31	0.111	0.903	18.4935	227.1405	1
47004_7005	47004	7005	-2.0985	-45.3555	0.0165	-1.3755	6.585	2422.458	1
47005_7005	47005	7005	-0.6675	-5.31	0.1125	1.4115	19.839	291.408	1
47005_7006	47005	7006	-2.1705	-34.707	0.009	2.706	8.244	2503.377	1
47006_7006	47006	7006	-0.666	-5.3985	0.3405	0.6885	21.201	355.716	1
47006_7007	47006	7007	-2.1975	-40.7775	0.1425	-1.356	11.529	2637.45	1
47007_7007	47007	7007	-0.708	-5.403	0.339	1.4205	25.1505	421.1085	1
47007_7008	47007	7008	-2.1975	-30.7905	0.1545	3.021	15.1095	2629.11	1
47008_7008	47008	7008	-0.7335	-5.49	0.366	0.363	29.133	486.5955	1
47008_7009	47008	7009	-2.181	-37.452	0.327	-1.4775	20.9445	2695.532	1
47009_7009	47009	7009	-0.732	-5.49	0.3675	1.326	33.564	553.059	1
47009_7010	47009	7010	-2.157	-27.5745	0.3285	2.9355	26.727	2627.076	1
47010_7010	47010	7010	-0.732	-5.634	0.36	0.0195	38.0145	619.5705	1
47010_7011	47010	7011	-2.178	-12.465	0.2595	-1.5975	28.206	2632.068	1
47011_7011	47011	7011	-0.732	-5.634	0.3615	1.146	42.3705	687.825	1
47011_7012	47011	7012	-2.1555	-1.9545	0.2625	2.6685	33.1935	2517.483	1
47012_7012	47012	7012	-0.7305	-5.9235	0.366	-0.4515	46.74	756.072	1
47012_7013	47012	7013	-2.1285	-7.9515	0.549	-1.8705	41.427	2468.277	1
47013_7013	47013	7013	-0.7305	-5.9235	0.3675	0.9885	51.1755	827.799	1
47013_7014	47013	7014	-2.0985	2.739	0.5265	2.34	48.7425	2279.904	1
47014_7014	47014	7014	-0.7305	-6.186	0.4035	-0.282	55.6275	899.5815	1
47014_7015	47014	7015	-2.0415	2.0385	0.4545	-0.708	55.653	2061.986	1
47015_7015	47015	7015	-0.696	-6.2325	0.4005	0.1575	61.7265	997.707	1
47015_7016	47015	7016	-2.0775	9.4455	0.468	0.978	59.316	1861.871	1
47016_7016	47016	7016	-0.5595	-7.377	0.2115	-0.7725	65.0355	1049.178	1
47016_7017	47016	7017	-1.1955	-14.1135	-0.15	-1.371	50.9595	1640.175	1
47017_7017	47017	7017	-0.402	-7.4835	0.21	-0.279	66.9645	1136.519	1
47017_7018	47017	7018	-1.1055	-3.8295	-0.099	0.192	44.9205	1263.944	1
47018_7018	47018	7018	-0.1755	-8.226	0.045	-1.692	69.2445	1236.093	1
47018_7019	47018	7019	-1.062	0.399	-0.0585	-1.0425	40.227	869.9685	1
47019_7019	47019	7019	0.0405	-8.2275	0.0465	-0.3435	70.0665	1339.214	1
47019_7020	47019	7020	0.171	-2.1225	0.1485	-0.1905	29.373	527.9505	1
47020_7020	47020	7020	-20.064	35.721	-1.0875	-0.738	29.622	939.474	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47020_7021	47020	7021	60.3525	-47.7975	-0.036	-1.293	47.64	839.3055	1
47021_7021	47021	7021	-26.5845	24.1905	-1.17	-0.3345	34.647	637.407	1
47021_7022	47021	7022	52.74	-41.8455	0.0855	-0.813	42.1245	979.3935	1
47022_7022	47022	7022	-38.4015	16.6425	-1.1865	0.0915	38.349	471.786	1
47022_7023	47022	7023	44.832	-35.217	0.1905	0.345	38.1885	1074.519	1
47023_7023	47023	7023	-67.644	3.0705	-1.7115	-1.6815	70.4325	379.3125	1
47023_7024	47023	7024	37.419	-35.0175	-0.54	-1.4565	29.3385	1181.729	1
47024_7024	47024	7024	-65.2755	2.907	-1.629	-1.2795	57.039	355.866	1
47024_7025	47024	7025	30.843	-27.6045	-0.4605	-0.0675	21.7275	1242.839	1
47025_7025	47025	7025	-62.898	2.805	-1.6155	-1.2645	44.1525	333.3105	1
47025_7026	47025	7026	25.8765	-19.5675	-0.3345	0.048	15.7755	1257.962	1
47026_7026	47026	7026	-61.953	2.1465	-1.6875	-1.74	31.308	311.016	1
47026_7027	47026	7027	23.0385	-25.113	-0.378	-1.272	11.667	1299.821	1
47027_7027	47027	7027	-59.967	2.1195	-1.674	-1.779	21.432	298.275	1
47027_7028	47027	7028	21.102	-19.0365	-0.243	-1.545	9.015	1314.927	1
47028_7028	47028	7028	-59.9685	2.1195	-1.5645	-1.2555	11.394	285.5745	1
47028_7029	47028	7029	19.8315	-12.768	-0.1455	0.9135	7.698	1291.571	1
47029_7029	47029	7029	-59.9685	2.1195	-1.5645	-1.2555	2.0025	272.8545	1
47029_7030	47029	7030	23.5695	-24.348	0.501	1.3395	11.634	1242.86	1
47030_7030	47030	7030	-59.9715	1.089	-1.497	-1.62	-7.389	260.1345	1
47030_7031	47030	7031	27.4215	-27.531	0.435	-0.063	16.032	1222.704	1
47031_7031	47031	7031	-59.9715	1.089	-1.4895	-1.5885	-19.353	251.43	1
47031_7032	47031	7032	32.577	-20.109	0.558	0.1665	22.1925	1156.514	1
47032_7032	47032	7032	-84.0555	-3.2265	1.6575	1.677	34.311	268.1805	1
47032_7033	47032	7033	38.4075	-13.434	0.63	1.548	29.676	1044.432	1
47033_7033	47033	7033	-58.863	-12.3375	1.3335	0.654	28.1595	323.0955	1
47033_7034	47033	7034	44.6205	-13.332	0.066	0.9645	33.2085	945.1305	1
47034_7034	47034	7034	-37.41	-19.6215	1.2075	-0.162	27.162	445.719	1
47034_7035	47034	7035	50.595	-7.359	0.3	-0.213	39.6615	814.959	1
47035_7035	47035	7035	-26.0445	-27.3975	1.188	1.176	26.862	628.764	1
47035_7036	47035	7036	58.17	-1.404	0.426	1.407	50.1015	624.189	1
47036_7036	47036	7036	31.293	38.133	0.0285	-2.2065	-44.1405	1348.452	1
47036_7037	47036	7037	-20.634	-53.9025	0.111	0.678	27.6165	772.4265	1
47037_7037	47037	7037	-18.4965	10.4145	0.1335	0.9975	42.336	1186.208	1
47037_7038	47037	7038	-23.2155	-44.3955	-0.0045	0.6	31.626	1119.588	1
47038_7038	47038	7038	-18.801	9.0315	-0.1275	0.267	43.998	1055.679	1
47038_7039	47038	7039	-26.343	-39.4155	0.2535	-0.3255	37.6155	1434.548	1
47039_7039	47039	7039	-19.017	8.568	-0.0855	1.251	42.249	933.9225	1
47039_7040	47039	7040	-27.9135	-29.4435	0.309	1.683	43.2195	1584.281	1
47040_7040	47040	7040	-18.99	7.173	-0.147	-0.387	41.4045	833.3355	1
47040_7041	47040	7041	-28.713	-34.4985	-0.1365	-1.53	43.188	1713.402	1
47041_7041	47041	7041	-18.69	6.972	-0.114	0.753	40.3905	768.7845	1
47041_7042	47041	7042	-29.0205	-20.5395	-0.009	1.3485	44.751	1801.509	1
47042_7042	47042	7042	-18.69	6.2175	-0.2445	-0.474	38.6325	661.245	1
47042_7043	47042	7043	-28.3635	-25.8855	-0.345	-1.392	41.928	1928.604	1
47043_7043	47043	7043	-18.69	6.2175	-0.213	0.5085	35.7285	587.256	1
47043_7044	47043	7044	-26.961	-14.355	-0.2385	1.8375	39.816	1941.956	1
47044_7044	47044	7044	-18.69	5.9325	-0.162	-0.483	33.195	513.282	1
47044_7045	47044	7045	-25.443	-20.8425	-0.1035	-0.7515	39.3225	2029.985	1
47045_7045	47045	7045	-18.6915	5.9325	-0.147	-0.1455	31.269	442.6335	1
47045_7046	47045	7046	-22.3605	-28.563	0	1.0035	39.3405	1990.181	1
47046_7046	47046	7046	-6.576	-6.432	0.2775	0.0585	32.2965	399.168	1
47046_7047	47046	7047	-22.221	-34.809	0.12	-1.5585	40.155	2037.717	1
47047_7047	47047	7047	-6.5745	-6.432	0.288	0.855	35.5995	475.7445	1
47047_7048	47047	7048	-22.3455	-23.934	0.1845	1.65	41.574	1954.137	1
47048_7048	47048	7048	-6.5745	-6.558	0.291	-0.1665	39.0315	552.3135	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47048_7049	47048	7049	-22.5615	-29.589	0.312	-0.9015	44.1015	1942.494	1
47049_7049	47049	7049	-6.5745	-6.558	0.297	0.3615	42.492	630.36	1
47049_7050	47049	7050	-22.32	-19.029	0.3495	0.6795	46.6725	1815.933	1
47050_7050	47050	7050	-6.5745	-6.9555	0.3315	-0.654	46.0185	708.402	1
47050_7051	47050	7051	-21.0405	-21.798	0.243	-1.158	47.3385	1719.005	1
47051_7051	47051	7051	-6.9765	-7.053	0.3375	0.3165	50.7795	816.576	1
47051_7052	47051	7052	-19.626	-13.7085	0.324	1.167	48.4155	1589.867	1
47052_7052	47052	7052	-6.84	-7.9965	0.087	-1.194	53.541	874.734	1
47052_7053	47052	7053	-16.743	-15.465	-0.363	-1.7325	41.709	1444.928	1
47053_7053	47053	7053	-6.6345	-8.1675	0.102	-0.4005	54.621	971.055	1
47053_7054	47053	7054	-13.005	-4.944	-0.234	0.114	34.8855	1143.204	1
47054_7054	47054	7054	-6.723	-8.778	0.192	-1.452	55.488	1080.2	1
47054_7055	47054	7055	-9.423	-0.5265	0	-0.8745	32.3205	800.295	1
47055_7055	47055	7055	-6.7395	-9.036	0.204	-1.059	57.54	1190.838	1
47055_7056	47055	7056	0.4935	-2.3205	0.1365	-0.3	17.535	443.6115	1
47056_7056	47056	7056	-22.809	34.9725	-1.119	-0.7965	28.806	848.0415	1
47056_7057	47056	7057	55.125	-47.436	-0.0525	-1.722	39.9885	859.902	1
47057_7057	47057	7057	-29.8605	22.9785	-1.185	-0.4215	32.2545	571.7625	1
47057_7058	47057	7058	49.032	-41.2815	0.0525	-0.765	34.854	1002.669	1
47058_7058	47058	7058	-45.5895	14.451	-1.182	-0.1695	36.744	423.2085	1
47058_7059	47058	7059	42.576	-34.4925	0.1695	0.4575	31.593	1106.946	1
47059_7059	47059	7059	-62.814	3.132	-1.5465	-2.1165	59.778	376.407	1
47059_7060	47059	7060	36.5055	-34.464	-0.4545	-2.211	24.4035	1221.624	1
47060_7060	47060	7060	-60.7395	3.0375	-1.449	-1.632	47.508	351.7245	1
47060_7061	47060	7061	31.128	-26.9985	-0.4035	-0.5775	18.081	1288.445	1
47061_7061	47061	7061	-59.469	2.9835	-1.365	-1.2135	35.997	327.6885	1
47061_7062	47061	7062	27.105	-18.936	-0.3315	1.0605	12.8955	1307.04	1
47062_7062	47062	7062	-57.303	2.3655	-1.4865	-2.079	25.2795	304.1505	1
47062_7063	47062	7063	24.81	-24.8205	-0.2955	-2.0655	9.75	1351.914	1
47063_7063	47063	7063	-57.3045	2.3655	-1.392	-1.5975	16.3515	289.9485	1
47063_7064	47063	7064	22.8045	-36.057	0.222	0.8295	6.783	1370.084	1
47064_7064	47064	7064	-57.069	-1.9035	1.3965	1.815	1.11	290.472	1
47064_7065	47064	7065	24.1215	-30.045	0.3375	0.756	8.5035	1350.915	1
47065_7065	47065	7065	-57.0675	-1.9035	1.404	1.8495	9.483	301.8795	1
47065_7066	47065	7066	26.1705	-24.4425	0.4425	0.9555	11.4615	1304.504	1
47066_7066	47066	7066	-59.64	-2.634	1.386	1.653	17.685	313.368	1
47066_7067	47066	7067	29.8635	-27.906	0.45	0.5145	16.233	1284.69	1
47067_7067	47067	7067	-60.873	-2.6685	1.3935	1.662	28.7145	334.5795	1
47067_7068	47067	7068	34.8825	-20.4585	0.5445	0.672	22.3125	1217.064	1
47068_7068	47068	7068	-63.9945	-2.772	1.4145	1.7115	39.7545	355.998	1
47068_7069	47068	7069	40.59	-13.743	0.6285	0.903	29.589	1102.179	1
47069_7069	47069	7069	-64.323	-3.1005	1.3455	0.936	51.0435	378.2775	1
47069_7070	47069	7070	46.662	-13.743	0.0525	-0.2205	32.619	999.4005	1
47070_7070	47070	7070	-42.5535	-16.545	1.263	0.864	27.897	432.4455	1
47070_7071	47070	7071	52.404	-7.6335	0.1605	1.0995	37.5885	862.254	1
47071_7071	47071	7071	-31.1115	-23.1045	1.206	0.807	28.263	585.7305	1
47071_7072	47071	7072	59.76	-1.5	0.351	1.251	46.6365	670.0635	1
47072_7072	47072	7072	-9.5745	9.1695	-0.1515	1.404	49.686	1327.302	1
47072_7073	47072	7073	-17.5125	-53.901	0.006	0.744	29.1375	805.8015	1
47073_7073	47073	7073	-9.81	8.9175	-0.1425	1.1265	47.73	1212.066	1
47073_7074	47073	7074	-19.365	-44.046	-0.1305	0.678	31.2795	1157.126	1
47074_7074	47074	7074	-9.3135	8.025	-0.024	0.5175	46.893	1101.654	1
47074_7075	47074	7075	-21.7935	-38.8665	0.327	-0.0465	37.5825	1475.781	1
47075_7075	47075	7075	-9.1335	7.731	-0.0105	1.098	46.8705	992.118	1
47075_7076	47075	7076	-22.704	-28.5345	0.381	1.4355	44.0025	1626.72	1
47076_7076	47076	7076	-8.679	6.51	-0.213	0.0615	47.145	901.3155	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47076_7077	47076	7077	-23.0355	-34.2315	-0.3	-0.585	42.771	1771.841	1
47077_7077	47077	7077	-8.733	6.4365	-0.204	0.591	45.3795	850.7145	1
47077_7078	47077	7078	-22.761	-21.438	-0.192	1.0785	41.331	1900.071	1
47078_7078	47078	7078	-8.733	6.165	-0.2505	-0.291	42.534	760.731	1
47078_7079	47078	7079	-18.708	-45.336	-0.261	-0.399	40.239	2046.206	1
47079_7079	47079	7079	-8.7345	6.165	-0.243	0.2925	39.7245	691.701	1
47079_7080	47079	7080	-17.3655	-34.974	-0.2265	1.2735	37.3605	2081.076	1
47080_7080	47080	7080	-8.7345	5.9595	-0.2145	-0.546	37.0005	622.7415	1
47080_7081	47080	7081	-16.3815	-41.1135	-0.0075	-0.6855	36.906	2188.358	1
47081_7081	47081	7081	-8.7345	5.9595	-0.207	-0.024	34.5975	556.092	1
47081_7082	47081	7082	-15.8355	-30.849	0.0255	1.287	36.768	2172.579	1
47082_7082	47082	7082	-8.3085	5.8545	-0.225	-0.726	32.34	489.429	1
47082_7083	47082	7083	-15.7815	-36.81	0.0135	-0.8235	36.42	2236.592	1
47083_7083	47083	7083	-5.112	-5.5695	0.282	0.6795	27.954	419.8425	1
47083_7084	47083	7084	-15.8235	-6.105	0.003	0.867	36.6705	2163.159	1
47084_7084	47084	7084	-5.1105	-5.6595	0.276	0.039	31.3395	486.8115	1
47084_7085	47084	7085	-15.7875	-13.3905	0.084	-1.206	37.6815	2172.414	1
47085_7085	47085	7085	-5.1105	-5.6595	0.2805	0.507	34.4295	550.161	1
47085_7086	47085	7086	-18.003	-22.6215	0.147	0.804	38.4285	2061.111	1
47086_7086	47086	7086	-5.1105	-5.841	0.315	-0.6165	37.566	613.4535	1
47086_7087	47086	7087	-18.957	-28.4265	0.288	-2.0085	40.8405	2022.951	1
47087_7087	47087	7087	-5.6655	-5.862	0.321	0.5925	40.8165	678.963	1
47087_7088	47087	7088	-19.4205	-18.582	0.3165	1.395	43.059	1882.428	1
47088_7088	47088	7088	-5.6655	-6.129	0.267	-0.7845	44.4015	744.573	1
47088_7089	47088	7089	-19.125	-20.9295	0.2595	-1.485	44.0475	1772.214	1
47089_7089	47089	7089	-5.6115	-6.1785	0.2775	0.3105	47.9985	825.9525	1
47089_7090	47089	7090	-18.2145	-13.9725	0.3105	1.2135	45.045	1627.397	1
47090_7090	47090	7090	-5.4885	-7.08	0.123	-0.8925	50.2785	876.891	1
47090_7091	47090	7091	-15.9045	-15.594	-0.2445	-1.3575	39.555	1467.935	1
47091_7091	47091	7091	-5.6955	-7.2885	0.1275	-0.621	51.3	961.38	1
47091_7092	47091	7092	-12.6345	-4.791	-0.147	-0.132	34.134	1144.725	1
47092_7092	47092	7092	-5.7855	-7.9665	0.2355	-1.3725	52.491	1058.322	1
47092_7093	47092	7093	-9.276	-0.5055	0.0045	-0.8385	31.677	790.9755	1
47093_7093	47093	7093	-5.6955	-8.1525	0.2445	-0.9705	55.335	1158.294	1
47093_7094	47093	7094	-6.714	7.5825	-0.1155	-0.4275	25.092	350.8095	1
47094_7094	47094	7094	-22.527	34.152	-1.059	-0.705	26.0925	831.396	1
47094_7095	47094	7095	54.2805	-47.481	-0.09	-1.56	36.7335	848.1165	1
47095_7095	47095	7095	-28.884	22.3875	-1.128	-0.4815	28.83	561.642	1
47095_7096	47095	7096	48.45	-41.2275	0.024	-0.8145	31.9005	988.323	1
47096_7096	47096	7096	-43.695	14.1585	-1.122	-0.204	32.514	417.663	1
47096_7097	47096	7097	42.2085	-34.302	0.1365	0.438	28.8855	1090.389	1
47097_7097	47097	7097	-59.0265	3.096	-1.458	-1.995	53.2875	373.5855	1
47097_7098	47097	7098	36.333	-34.5345	-0.498	-2.124	21.8625	1204.724	1
47098_7098	47098	7098	-56.8545	2.979	-1.3725	-1.5285	41.7615	349.185	1
47098_7099	47098	7099	31.1055	-26.952	-0.456	-0.5655	15.561	1270.745	1
47099_7099	47099	7099	-55.1835	2.898	-1.2945	-1.107	30.888	325.7325	1
47099_7100	47099	7100	27.183	-18.7545	-0.393	1.056	10.2615	1287.437	1
47100_7100	47100	7100	-53.0655	2.238	-1.4655	-1.629	20.703	303.027	1
47100_7101	47100	7101	24.933	-25.1595	-0.3315	-0.6135	7.161	1333.733	1
47101_7101	47101	7101	-52.107	2.223	-1.368	-1.1205	12.0375	289.6455	1
47101_7102	47101	7102	22.533	-36.0735	0.1785	2.5215	5.3295	1353.456	1
47102_7102	47102	7102	-56.628	-2.355	1.284	1.1925	6.9	288.177	1
47102_7103	47102	7103	23.67	-29.982	0.3675	-1.6245	7.5075	1335.035	1
47103_7103	47103	7103	-57.411	-2.364	1.383	1.686	14.517	302.3325	1
47103_7104	47103	7104	25.5075	-24.3315	0.4365	0.6135	10.725	1289.048	1
47104_7104	47104	7104	-57.411	-2.892	1.254	1.299	22.809	316.4895	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47104_7105	47104	7105	28.8855	-28.1895	0.5115	-0.543	16.3695	1272.558	1
47105_7105	47105	7105	-59.337	-2.9625	1.341	1.74	32.814	340.011	1
47105_7106	47105	7106	33.5925	-20.598	0.567	1.11	23.0565	1206.629	1
47106_7106	47106	7106	-61.0635	-3.0255	1.353	1.74	43.593	364.08	1
47106_7107	47106	7107	38.964	-13.773	0.6525	1.131	30.912	1092.257	1
47107_7107	47107	7107	-64.05	-3.444	1.254	1.0995	54.4815	388.821	1
47107_7108	47107	7108	44.7315	-13.929	-0.012	0.375	33.81	990.4575	1
47108_7108	47108	7108	-47.3265	-14.1375	1.1565	0.567	33.6645	422.499	1
47108_7109	47108	7109	50.1255	-7.65	0.1485	0.4215	38.9685	852.0615	1
47109_7109	47109	7109	-31.101	-22.3455	1.1445	0.915	29.364	566.142	1
47109_7110	47109	7110	57.0645	-1.3755	0.288	1.281	47.736	659.0025	1
47110_7110	47110	7110	-9.243	9.288	-0.2655	0.942	58.6095	1317.92	1
47110_7111	47110	7111	-17.2185	-53.4855	-0.051	0.4065	34.0965	808.6455	1
47111_7111	47111	7111	-9.4155	9.027	-0.249	1.4145	55.2435	1201.365	1
47111_7112	47111	7112	-19.002	-43.317	-0.1785	0.7545	36.7155	1152.594	1
47112_7112	47112	7112	-9.279	8.2275	-0.1935	0.738	52.6605	1089.377	1
47112_7113	47112	7113	-21.45	-38.2455	0.096	0.2295	41.154	1462.89	1
47113_7113	47113	7113	-9.1545	7.947	-0.183	0.7635	50.415	979.3755	1
47113_7114	47113	7114	-22.533	-27.576	0.1155	1.005	45.075	1598.582	1
47114_7114	47114	7114	-8.64	6.969	-0.297	0.2925	48.7125	886.32	1
47114_7115	47114	7115	-23.0985	-33.2115	-0.324	-0.0585	43.809	1722.83	1
47115_7115	47115	7115	-8.7015	6.894	-0.2925	0.3465	46.2615	829.1835	1
47115_7116	47115	7116	-23.2515	-20.0295	-0.2625	0.6	41.859	1803.69	1
47116_7116	47116	7116	-8.7015	6.531	-0.336	-0.366	42.1785	732.852	1
47116_7117	47116	7117	-22.77	-25.7475	-0.426	-0.7425	38.2845	1921.295	1
47117_7117	47117	7117	-8.7015	6.531	-0.3285	0.213	38.415	659.7585	1
47117_7118	47117	7118	-21.717	-14.631	-0.402	0.9855	34.2825	1932.21	1
47118_7118	47118	7118	-8.7015	6.3465	-0.2985	-0.39	34.7415	586.7295	1
47118_7119	47118	7119	-20.577	-21.66	-0.2175	-0.09	32.0445	2017.964	1
47119_7119	47119	7119	-8.7015	6.3465	-0.2985	-0.39	31.4025	515.709	1
47119_7120	47119	7120	-19.5285	-10.5315	-0.207	0.0045	29.6505	1985.633	1
47120_7120	47120	7120	-8.703	6.2835	-0.294	-0.933	28.062	444.693	1
47120_7121	47120	7121	-18.762	-17.3205	-0.18	-1.941	27.2535	2040.566	1
47121_7121	47121	7121	-8.703	6.2835	-0.279	-0.3195	24.5265	369.156	1
47121_7122	47121	7122	-18.51	-5.292	-0.1275	1.437	25.4985	1949.328	1
47122_7122	47122	7122	-9.813	-4.0815	0.093	0.03	18.822	321.2925	1
47122_7123	47122	7123	-18.7905	-12.969	-0.099	-1.287	24.237	1945.995	1
47123_7123	47123	7123	-9.813	-4.0815	0.102	0.3585	19.86	366.9675	1
47123_7124	47123	7124	-19.545	-1.761	-0.06	0.4935	23.4765	1815.002	1
47124_7124	47124	7124	-9.9705	-4.311	0.1155	-0.411	20.9205	412.6485	1
47124_7125	47124	7125	-23.5485	-27.0105	0.069	-1.8195	23.5035	1765.377	1
47125_7125	47125	7125	-9.969	-4.311	0.1335	0.4125	22.2195	460.887	1
47125_7126	47125	7126	-24.252	-16.8525	0.12	1.149	24.201	1616.418	1
47126_7126	47126	7126	-10.3305	-4.731	0.099	-0.4455	23.505	509.1975	1
47126_7127	47126	7127	-24.039	-19.557	0.201	-0.9615	25.6875	1506.426	1
47127_7127	47127	7127	-10.38	-4.827	0.1125	0.081	24.7845	570.51	1
47127_7128	47127	7128	-23.0715	-12.4545	0.258	0.651	27.2955	1359.938	1
47128_7128	47128	7128	-10.2765	-6.0135	0.162	-0.8925	25.6995	610.3155	1
47128_7129	47128	7129	-20.433	-14.8725	-0.0495	-1.431	25.854	1218.437	1
47129_7129	47129	7129	-10.359	-6.321	0.177	-0.117	27.3	684.846	1
47129_7130	47129	7130	-16.536	-3.9975	0.0915	0.252	25.6605	924.351	1
47130_7130	47130	7130	-10.5045	-7.182	-0.483	-0.744	28.9275	769.263	1
47130_7131	47130	7131	-12.5505	0.9075	-1.1655	-0.5085	11.064	585.6555	1
47131_7131	47131	7131	23.223	-28.6755	0.975	1.7325	-13.716	1022.046	1
47131_7132	47131	7132	9.393	-5.829	0.3105	0.597	18.039	429.057	1
47132_7132	47132	7132	-19.8705	40.6635	-1.5255	0.057	27.699	868.6875	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47132_7133	47132	7133	58.8645	-49.824	0.885	0.7935	12.4755	711.9765	1
47133_7133	47133	7133	-21.999	24.5565	-1.251	-0.243	17.8125	527.8305	1
47133_7134	47133	7134	52.1745	-43.2465	1.0965	0.012	18.1785	878.4855	1
47134_7134	47134	7134	-28.068	17.5905	-1.071	-1.269	13.125	361.155	1
47134_7135	47134	7135	45.078	-35.961	1.3605	-1.8165	26.7765	993.183	1
47135_7135	47135	7135	-67.2735	0.6105	1.02	0.891	-22.4505	282.921	1
47135_7136	47135	7136	38.3355	-35.4465	-0.693	-1.422	19.7925	1117.547	1
47136_7136	47136	7136	-67.272	0.6105	1.104	1.2405	-14.2995	278.0415	1
47136_7137	47136	7137	32.274	-27.4995	-0.6705	0.0525	13.1565	1187.148	1
47137_7137	47137	7137	-65.8515	0.5775	1.086	1.236	-4.9155	273.1845	1
47137_7138	47137	7138	27.5475	-18.894	-0.603	0.1635	7.4025	1204.052	1
47138_7138	47138	7138	-65.034	-0.2175	0.6585	0.7785	3.996	268.5915	1
47138_7139	47138	7139	19.6395	-42.1065	0.123	-1.476	5.388	1260.504	1
47139_7139	47139	7139	-65.034	-0.2175	0.768	1.227	7.95	269.895	1
47139_7140	47139	7140	19.776	-35.5035	0.171	0.6675	6.1455	1283.607	1
47140_7140	47140	7140	-65.85	-0.2235	0.774	1.233	12.408	271.2315	1
47140_7141	47140	7141	20.469	-29.0955	0.252	0.723	7.8195	1265.256	1
47141_7141	47141	7141	-65.85	-0.2235	0.774	1.233	17.055	272.5695	1
47141_7142	47141	7142	21.915	-23.16	0.327	0.759	10.3575	1217.445	1
47142_7142	47142	7142	-67.2705	-0.7515	0.699	0.777	21.588	273.93	1
47142_7143	47142	7143	24.8385	-27.423	0.3525	-0.69	14.274	1202.529	1
47143_7143	47143	7143	-68.8395	-0.8025	0.795	1.1385	27.114	280.0215	1
47143_7144	47143	7144	29.1495	-19.4835	0.384	0.8445	18.741	1134.519	1
47144_7144	47144	7144	-71.0175	-0.8835	0.8085	1.152	33.4425	286.701	1
47144_7145	47144	7145	34.155	-12.327	0.441	0.882	23.9145	1013.619	1
47145_7145	47145	7145	-74.5665	-1.2855	0.6375	0.912	39.867	294.201	1
47145_7146	47145	7146	39.6195	-12.4515	-0.2985	0.8895	23.3235	905.262	1
47146_7146	47146	7146	-38.334	-17.406	0.7995	-0.0195	17.355	390.9645	1
47146_7147	47146	7147	44.7495	-5.9325	-0.1065	-0.1935	25.0305	759.0645	1
47147_7147	47147	7147	-27.735	-24.957	0.8895	0.684	17.4765	558.486	1
47147_7148	47147	7148	51.378	0.57	0.0135	0.735	29.2905	546.2865	1
47148_7148	47148	7148	48.663	38.124	0.1965	-1.509	-34.9575	1292.276	1
47148_7149	47148	7149	-28.1895	-53.0055	0.0375	0.3765	22.8015	703.3305	1
47149_7149	47149	7149	-23.799	10.308	-0.1365	0.702	35.793	1072.755	1
47149_7150	47149	7150	-32.3775	-43.0035	-0.114	0.366	24.0165	1022.621	1
47150_7150	47150	7150	-24.009	9.195	-0.108	0.3975	34.143	943.6485	1
47150_7151	47150	7151	-37.2555	-37.7895	0.2565	0.1245	28.3665	1301.514	1
47151_7151	47151	7151	-23.91	8.538	-0.09	0.3525	33.009	814.254	1
47151_7152	47151	7152	-40.2675	-27.4365	0.303	0.5085	33.0225	1405.2	1
47152_7152	47152	7152	-23.7195	7.305	-0.24	0.606	32.1195	714.096	1
47152_7153	47152	7153	-42.036	-33.0735	-0.336	1.0815	30.642	1515.602	1
47153_7153	47153	7153	-23.7795	7.1055	-0.264	-0.2505	30.1395	651.072	1
47153_7154	47153	7154	-43.884	-20.001	-0.2955	-0.4065	27.015	1569.305	1
47154_7154	47154	7154	-23.7795	6.72	-0.1725	-0.216	26.517	553.362	1
47154_7155	47154	7155	-44.5125	-25.2255	-0.189	-0.0855	25.38	1666.722	1
47155_7155	47155	7155	-23.7795	6.72	-0.1725	-0.216	24.627	479.445	1
47155_7156	47155	7156	-44.3505	-13.9305	-0.1545	0.036	23.961	1660.241	1
47156_7156	47156	7156	-23.142	6.6075	-0.183	-0.258	22.872	405.5925	1
47156_7157	47156	7157	-44.0355	-20.6115	-0.06	0.699	23.5215	1712.117	1
47157_7157	47157	7157	-23.142	6.6075	-0.2055	-0.597	21.045	339.5205	1
47157_7158	47157	7158	-43.668	-10.374	-0.0765	-0.8355	22.962	1669.074	1
47158_7158	47158	7158	-23.142	6.5685	-0.1725	-0.453	18.987	273.4485	1
47158_7159	47158	7159	-43.9665	-34.5315	0.0795	0.8835	23.61	1706.058	1
47159_7159	47159	7159	-22.8945	-5.7585	0.1515	0.159	20.9085	302.574	1
47159_7160	47159	7160	-44.2845	-24.852	0.0615	-0.5835	23.8845	1651.445	1
47160_7160	47160	7160	-23.1915	-5.97	0.201	0.3225	22.344	360.1605	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47160_7161	47160	7161	-44.4705	-29.94	0.27	0.7695	26.388	1654.908	1
47161_7161	47161	7161	-23.193	-5.97	0.18	-0.0645	24.564	425.8365	1
47161_7162	47161	7162	-43.902	-19.6425	0.255	-0.492	28.581	1554.758	1
47162_7162	47162	7162	-23.193	-6.4755	0.225	-0.2565	26.5515	491.5125	1
47162_7163	47162	7163	-41.8725	-21.5085	0.315	-0.5505	31.4685	1488.597	1
47163_7163	47163	7163	-23.1375	-6.6675	0.2475	0.075	29.6535	581.9235	1
47163_7164	47163	7164	-39.639	-14.469	0.405	0.591	34.14	1376.972	1
47164_7164	47164	7164	-23.493	-8.0355	0.057	-0.276	31.332	637.0845	1
47164_7165	47164	7165	-35.1855	-15.885	-0.342	-0.4065	28.878	1251.998	1
47165_7165	47165	7165	-23.3655	-8.64	0.0705	-0.573	31.9215	737.9625	1
47165_7166	47165	7166	-29.1195	-5.364	-0.237	-0.3345	23.934	975.7515	1
47166_7166	47166	7166	-23.2875	-10.0215	0.1365	-0.6705	32.517	852.7965	1
47166_7167	47166	7167	-22.959	-0.8415	-0.093	-0.3675	22.2705	652.4385	1
47167_7167	47167	7167	-23.2485	-10.701	0.1575	-0.7785	33.8175	978.927	1
47167_7168	47167	7168	23.7435	-4.815	-0.0345	0.6195	2.919	424.977	1
47168_7168	47168	7168	-22.2735	39.3135	-0.9045	-0.693	18.426	891.372	1
47168_7169	47168	7169	49.47	-49.413	0.117	-0.96	25.212	747.8985	1
47169_7169	47169	7169	-28.5555	26.2095	-0.879	0.012	17.8125	570.204	1
47169_7170	47169	7170	43.977	-43.14	0.21	-0.108	23.1735	907.5585	1
47170_7170	47170	7170	-37.575	18.873	-0.8565	-0.099	16.6365	393.9585	1
47170_7171	47170	7171	38.1045	-36.1845	0.357	-0.0795	23.127	1021.359	1
47171_7171	47171	7171	-52.5135	13.0455	-0.546	-0.6045	16.7055	276.153	1
47171_7172	47171	7172	32.667	-36.015	-0.375	0.0825	18.0645	1146.204	1
47172_7172	47172	7172	-44.5305	1.404	0.8055	0.735	-16.5615	252.6105	1
47172_7173	47172	7173	27.8955	-28.293	-0.258	-1.26	14.2965	1221.188	1
47173_7173	47173	7173	-44.529	1.404	0.861	1.0365	-10.1145	241.3785	1
47173_7174	47173	7174	24.5115	-19.935	-0.207	0.309	11.247	1245.834	1
47174_7174	47174	7174	-44.5305	0.4905	0.924	1.044	-3.222	230.139	1
47174_7175	47174	7175	22.7385	-25.8885	-0.2865	0.318	8.7945	1295.561	1
47175_7175	47175	7175	-44.532	0.4905	0.8505	0.666	2.3265	227.1975	1
47175_7176	47175	7176	21.741	-19.608	-0.153	-1.8525	7.551	1316.43	1
47176_7176	47176	7176	-47.907	0.429	0.9525	1.0635	6.813	224.388	1
47176_7177	47176	7177	21.33	-13.14	-0.09	0.405	7.2195	1296.582	1
47177_7177	47177	7177	-63.054	-0.1485	-0.864	-0.9255	-0.789	223.6635	1
47177_7178	47177	7178	28.3845	-23.712	0.363	0.8985	11.8875	1247.232	1
47178_7178	47178	7178	-63.054	-1.2615	-0.7845	-0.8745	-5.9715	224.544	1
47178_7179	47178	7179	33.0105	-27.126	0.2445	0.8805	14.7675	1223.676	1
47179_7179	47179	7179	-63.054	-1.2615	-0.8625	-1.1685	-12.2475	234.6375	1
47179_7180	47179	7180	38.9685	-19.422	0.372	-0.495	18.909	1150.053	1
47180_7180	47180	7180	-63.6765	-1.2705	-0.7875	-0.864	-19.362	244.7715	1
47180_7181	47180	7181	45.567	-12.4785	0.3975	0.9525	23.6715	1026.579	1
47181_7181	47181	7181	-43.9905	-12.483	0.837	0.651	17.5935	271.7385	1
47181_7182	47181	7182	52.5255	-12.2175	-0.249	0.5625	23.4435	913.257	1
47182_7182	47182	7182	-31.497	-18.9615	0.876	0.5565	17.2215	390.15	1
47182_7183	47182	7183	59.034	-5.9805	-0.093	0.717	25.257	765.525	1
47183_7183	47183	7183	-24.621	-26.313	0.8745	-0.0255	18.291	571.5465	1
47183_7184	47183	7184	67.188	0.2625	0.1545	0.0975	30.8025	552.2895	1
47184_7184	47184	7184	36.6255	43.125	0.165	-0.828	-35.469	1441.707	1
47184_7185	47184	7185	-21.5115	-54.762	0.081	0.9585	23.7465	633.2865	1
47185_7185	47185	7185	33.522	32.409	0.024	-0.72	-31.2915	968.9475	1
47185_7186	47185	7186	-24.465	-45.324	-0.1095	0.0195	25.401	974.7375	1
47186_7186	47186	7186	-12.297	7.572	-0.075	0.9945	35.3535	825.879	1
47186_7187	47186	7187	-28.0575	-39.8475	0.3585	1.152	30.675	1285.686	1
47187_7187	47187	7187	-12.0495	7.2105	-0.093	-0.3405	35.0475	722.4525	1
47187_7188	47187	7188	-30.069	-29.796	0.36	-0.4305	36.2235	1434.603	1
47188_7188	47188	7188	-12.168	6.123	-0.1755	0.5565	33.9405	637.6995	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47188_7189	47188	7189	-31.1895	-34.2495	-0.2025	1.0065	34.902	1568.147	1
47189_7189	47189	7189	-11.922	6.0075	-0.1905	-0.249	32.805	585.2685	1
47189_7190	47189	7190	-32.196	-21.5835	-0.1365	-0.5535	33.495	1664.097	1
47190_7190	47190	7190	-11.814	5.583	-0.1815	-0.195	30.2625	502.6935	1
47190_7191	47190	7191	-32.3025	-25.569	-0.2055	-0.1335	31.671	1780.95	1
47191_7191	47191	7191	-11.3805	5.5725	-0.186	-0.198	28.4805	441.333	1
47191_7192	47191	7192	-31.776	-14.721	-0.15	0.0165	30.381	1797.395	1
47192_7192	47192	7192	-11.3805	5.391	-0.1665	-0.4215	26.442	380.034	1
47192_7193	47192	7193	-31.2075	-20.4	0.066	-0.1695	31.386	1857.86	1
47193_7193	47193	7193	-11.1855	5.3895	-0.1695	-0.4215	24.831	326.2335	1
47193_7194	47193	7194	-30.288	-29.478	0.198	0.2985	33.3405	1831.088	1
47194_7194	47194	7194	-9.6585	-5.799	0.2505	0.1545	26.565	303.1845	1
47194_7195	47194	7195	-30.51	-34.8855	0.159	-0.903	34.221	1868.063	1
47195_7195	47195	7195	-9.6585	-5.799	0.2595	0.516	29.064	361.1115	1
47195_7196	47195	7196	-30.7125	-25.671	0.237	0.948	36.006	1815.2	1
47196_7196	47196	7196	-9.6585	-6.0885	0.2805	0.045	31.659	419.0355	1
47196_7197	47196	7197	-30.813	-29.778	0.3975	-0.087	39.3945	1808.358	1
47197_7197	47197	7197	-10.6185	-6.1305	0.276	0.039	34.2885	486.2115	1
47197_7198	47197	7198	-30.3195	-19.989	0.441	0.0375	43.0905	1703.471	1
47198_7198	47198	7198	-10.6185	-6.8505	0.2655	-0.417	37.323	553.638	1
47198_7199	47198	7199	-28.6635	-21.057	0.27	-0.735	44.4645	1618.229	1
47199_7199	47199	7199	-10.5615	-6.936	0.276	-0.057	40.9695	650.124	1
47199_7200	47199	7200	-26.862	-14.34	0.3495	0.501	45.8985	1503.206	1
47200_7200	47200	7200	-10.428	-8.175	0.186	0.285	43.2615	707.367	1
47200_7201	47200	7201	-23.388	-14.745	-0.2625	0.549	40.2795	1353.696	1
47201_7201	47201	7201	-10.8435	-8.541	0.165	-1.524	44.637	807.7485	1
47201_7202	47201	7202	-18.8415	-4.8045	-0.2325	-1.446	33.8355	1057.856	1
47202_7202	47202	7202	-10.572	-9.639	0.1395	-0.081	46.968	921.0705	1
47202_7203	47202	7203	-14.4285	-0.3165	-0.0015	0.009	30.9915	718.6095	1
47203_7203	47203	7203	-10.632	-9.9825	0.1335	-2.142	47.9745	1042.569	1
47203_7204	47203	7204	2.2695	-2.019	0.1305	-0.8775	21.549	377.3505	1
47204_7204	47204	7204	-24.126	39.456	-0.966	-0.168	27.0075	955.629	1
47204_7205	47204	7205	59.178	-48.057	-0.144	-0.3405	34.0935	825.8055	1
47205_7205	47205	7205	-28.2825	29.4195	-1.053	-0.7485	26.6295	628.152	1
47205_7206	47205	7206	52.7085	-42.3435	0.0975	-1.1985	29.604	984.282	1
47206_7206	47206	7206	-37.368	21.045	-1.041	-0.306	26.601	442.2855	1
47206_7207	47206	7207	45.8925	-36.0165	0.198	0.0855	26.889	1096.158	1
47207_7207	47207	7207	-54.3	13.2675	-1.023	-0.978	28.6365	315.2865	1
47207_7208	47207	7208	39.4665	-35.3865	-0.3345	-0.1125	20.8065	1216.808	1
47208_7208	47208	7208	-64.3935	0.0975	1.3965	1.521	-30.462	281.586	1
47208_7209	47208	7209	33.708	-28.2705	-0.201	0.1485	16.5705	1293.908	1
47209_7209	47209	7209	-64.395	0.0975	1.3155	1.17	-19.2945	280.803	1
47209_7210	47209	7210	29.298	-20.55	-0.042	-1.191	14.379	1327.598	1
47210_7210	47210	7210	-64.395	-0.933	1.563	1.5585	-8.7705	280.02	1
47210_7211	47210	7211	23.676	-42.915	0.1245	0.756	9.738	1382.634	1
47211_7211	47211	7211	-64.395	-0.933	1.563	1.5585	0.612	285.618	1
47211_7212	47211	7212	24.498	-36.8595	0.2595	0.9615	10.6845	1406.333	1
47212_7212	47212	7212	-64.398	-0.933	1.4565	1.074	9.9945	291.219	1
47212_7213	47212	7213	25.932	-30.963	0.4335	-1.1205	13.368	1392.129	1
47213_7213	47213	7213	-67.3665	-0.9945	1.5855	1.5855	18.3015	296.994	1
47213_7214	47213	7214	28.1475	-25.452	0.5145	1.2225	17.2485	1351.196	1
47214_7214	47214	7214	-67.368	-1.5255	1.6125	1.365	27.816	302.9595	1
47214_7215	47214	7215	32.109	-27.4395	0.2235	0.807	20.793	1325.945	1
47215_7215	47215	7215	-71.1555	-1.6905	1.6305	1.383	40.3545	315.492	1
47215_7216	47215	7216	37.3755	-20.31	0.3555	1.0125	26.058	1257.062	1
47216_7216	47216	7216	-74.313	-1.911	1.5465	0.9795	52.9035	329.07	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47216_7217	47216	7217	43.2855	-13.857	0.528	-0.246	33.291	1143.687	1
47217_7217	47217	7217	-64.7325	-10.5855	0.5805	-1.287	41.202	350.6925	1
47217_7218	47217	7218	49.572	-13.089	-0.051	-1.9845	36.5985	1036.058	1
47218_7218	47218	7218	-45.9	-17.4705	0.5955	-1.686	33.3765	459.447	1
47218_7219	47218	7219	55.4745	-7.368	0.0525	-2.508	41.3205	898.257	1
47219_7219	47219	7219	-32.7615	-25.7235	0.8925	4.215	27.0165	636.675	1
47219_7220	47219	7220	62.856	-1.5435	-0.309	4.746	44.841	696.9705	1
47220_7220	47220	7220	-9.126	11.0445	0.0225	-0.24	64.041	1375.853	1
47220_7221	47220	7221	-20.766	-53.55	0.0645	-0.432	37.7205	834.843	1
47221_7221	47221	7221	-9.405	10.809	0.0555	2.0535	64.011	1237.241	1
47221_7222	47221	7222	-24.0705	-44.871	-0.042	0.981	42.057	1185.437	1
47222_7222	47222	7222	-9.1605	10.005	-0.3075	-0.2835	65.784	1102.236	1
47222_7223	47222	7223	-28.251	-39.405	0.2835	-1.1265	48.1065	1503.816	1
47223_7223	47223	7223	-9.2115	9.7575	-0.282	1.1055	61.9635	966.723	1
47223_7224	47223	7224	-31.1355	-30.2235	0.396	1.6725	54.423	1668.95	1
47224_7224	47224	7224	-9.0225	8.733	-0.4995	-1.557	59.0895	852.417	1
47224_7225	47224	7225	-33.009	-33.438	-0.42	-4.0065	52.272	1806.882	1
47225_7225	47225	7225	-8.9715	8.655	-0.468	0.8625	55.071	780.3015	1
47225_7226	47225	7226	-35.7015	-20.6775	-0.2295	1.9665	49.7025	1926.93	1
47226_7226	47226	7226	-8.973	8.2665	-0.4995	-1.362	48.0645	650.8035	1
47226_7227	47226	7227	-37.107	-22.665	-0.498	-3.942	44.55	2031.834	1
47227_7227	47227	7227	-8.403	8.244	-0.477	0.561	42.4905	554.781	1
47227_7228	47227	7228	-37.7835	-12.0375	-0.3165	2.9535	40.6845	2033.06	1
47228_7228	47228	7228	-8.4045	8.0565	-0.5025	-1.431	36.9585	459.0555	1
47228_7229	47228	7229	-38.223	-34.9575	-0.18	-4.875	35.862	2062.988	1
47229_7229	47229	7229	-11.7855	-7.2225	0.06	0.876	27.672	446.793	1
47229_7230	47229	7230	-37.7685	-24.975	0.012	3.276	34.3425	1975.155	1
47230_7230	47230	7230	-11.7885	-7.6605	0.273	-1.701	28.3755	530.5905	1
47230_7231	47230	7231	-36.5985	-26.418	0.285	-4.4895	35.76	1921.598	1
47231_7231	47231	7231	-12.831	-7.731	0.3255	0.8385	31.4505	624.096	1
47231_7232	47231	7232	-34.47	-16.818	0.4815	2.652	39.8025	1763.069	1
47232_7232	47232	7232	-12.8865	-8.5755	-0.0315	-2.313	35.382	717.792	1
47232_7233	47232	7233	-33.8025	-23.733	-0.804	-4.539	36.9165	1733.118	1
47233_7233	47233	7233	-12.837	-8.652	-0.012	-1.341	35.277	744.081	1
47233_7234	47233	7234	-32.2215	-19.164	-0.6765	-2.1585	31.9905	1664.973	1
47234_7234	47234	7234	-12.7425	-8.79	0.006	-0.615	35.2095	795.6435	1
47234_7235	47234	7235	-29.7015	-13.14	-0.501	-0.39	26.904	1523.934	1
47235_7235	47235	7235	-12.6465	-8.9265	0.027	0.423	35.292	869.3565	1
47235_7236	47235	7236	-27.7725	-9.4725	-0.345	1.5075	25.1145	1407.203	1
47236_7236	47236	7236	-12.657	-9.7455	-0.2745	-1.8255	35.1555	924.4815	1
47236_7237	47236	7237	-23.3445	-6.7545	-0.6945	-1.8135	18.7995	1193.801	1
47237_7237	47237	7237	-13.095	-10.0905	-0.2325	0.6435	31.875	1029.675	1
47237_7238	47237	7238	-19.824	-1.1625	-0.729	1.002	11.073	947.5455	1
47238_7238	47238	7238	-12.6345	-13.9935	0.4305	-2.2965	29.469	1125.423	1
47238_7239	47238	7239	-15.447	-11.163	1.5615	0.4335	24.06	809.4705	1
47239_7239	47239	7239	-12.945	-14.103	0.4605	1.08	33.3705	1257.329	1
47239_7240	47239	7240	-12.0495	-4.164	1.458	2.4135	36.3705	582.18	1
47240_7240	47240	7240	-43.137	25.7205	-0.855	-1.5825	21.726	854.43	1
47240_7241	47240	7241	65.715	-38.4975	-0.9525	-5.2845	43.7835	1035.26	1
47241_7241	47241	7241	-49.0275	21.4245	-0.8295	0.459	21.513	668.973	1
47241_7242	47241	7242	59.523	-31.263	-0.954	-1.9605	31.3155	1116.59	1
47242_7242	47242	7242	-61.0155	16.0425	-0.912	1.1235	21.9165	506.565	1
47242_7243	47242	7243	53.607	-24.078	-0.843	0.0675	21.7005	1133.841	1
47243_7243	47243	7243	-69.048	15.6	-0.933	-0.9135	17.706	386.127	1
47243_7244	47243	7244	46.7895	-35.1045	-0.4995	-2.589	15.15	1284.122	1
47244_7244	47244	7244	-80.724	2.2095	-0.918	-0.7425	15.639	312.654	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47244_7245	47244	7245	41.727	-27.198	-0.606	0.3525	7.254	1379.127	1
47245_7245	47245	7245	-64.9245	-0.81	1.011	0.69	-16.446	308.8155	1
47245_7246	47245	7246	37.071	-41.802	0.579	-1.8285	9.141	1468.748	1
47246_7246	47246	7246	-64.9215	-0.81	1.176	1.4955	-5.985	317.184	1
47246_7247	47246	7247	39.3345	-33.1305	0.5055	1.566	13.689	1476.209	1
47247_7247	47247	7247	-68.0295	-1.467	1.485	0.285	4.059	324.6825	1
47247_7248	47247	7248	43.146	-30.7425	-0.0135	-3.0765	13.7175	1466.265	1
47248_7248	47248	7248	-69.3045	-1.5255	1.773	1.662	17.7015	338.9625	1
47248_7249	47248	7249	49.029	-22.1085	-0.0555	2.3655	15.012	1384.079	1
47249_7249	47249	7249	-76.1025	-2.4435	2.2275	0.1515	34.347	356.7165	1
47249_7250	47249	7250	56.0835	-18.681	1.293	-1.2465	31.4235	1286.772	1
47250_7250	47250	7250	-83.265	-3.9765	2.445	1.119	52.6695	385.3935	1
47250_7251	47250	7251	63.198	-11.778	1.1715	1.881	46.8855	1139.013	1
47251_7251	47251	7251	-59.3685	-15.309	-1.7565	-4.3245	43.7505	485.973	1
47251_7252	47251	7252	69.051	-23.958	-0.756	-2.844	43.8405	1122.486	1
47252_7252	47252	7252	-50.8515	-18.3315	-1.269	-1.4325	23.0865	616.9215	1
47252_7253	47252	7253	75.861	-16.3995	-1.002	1.437	37.6155	1051.02	1
47253_7253	47253	7253	-6.7485	17.859	-4.2855	12.3825	30.6495	1472.418	1
47253_7254	47253	7254	-15.7575	-33.129	-1.107	2.178	23.2455	808.992	1
47254_7254	47254	7254	-7.3695	13.044	2.898	-0.693	0.9435	1342.2	1
47254_7255	47254	7255	-19.581	-42.264	1.257	-0.441	41.679	1060.1	1
47255_7255	47255	7255	-7.629	12.8895	2.9175	1.416	34.434	1190.618	1
47255_7256	47255	7256	-21.6075	-34.665	1.4415	0.9795	60.7275	1198.278	1
47256_7256	47256	7256	-7.8915	9.6225	0.096	-0.672	63.9285	1060.986	1
47256_7257	47256	7257	-24.5475	-45.0915	-0.6855	-1.7295	59.4165	1423.304	1
47257_7257	47257	7257	-8.058	9.4845	0.114	0.2565	64.761	967.032	1
47257_7258	47257	7258	-25.8615	-40.5075	-0.702	0.4035	56.9265	1557.099	1
47258_7258	47258	7258	-7.3395	9.33	0.1215	0.7335	66.6825	899.7645	1
47258_7259	47258	7259	-26.91	-37.026	-0.702	1.6065	54.603	1642.1	1
47259_7259	47259	7259	-7.4295	8.607	-0.702	-1.8615	67.323	852.1845	1
47259_7260	47259	7260	-28.641	-37.3065	-0.3705	-4.3305	53.55	1790.052	1
47260_7260	47260	7260	-7.4925	8.5545	-0.6795	0.027	61.857	785.982	1
47260_7261	47260	7261	-30.4965	-30.747	-0.297	0.4305	52.224	1917.617	1
47261_7261	47261	7261	-7.4925	8.5545	-0.6705	0.834	55.959	711.7305	1
47261_7262	47261	7262	-32.286	-24.147	-0.258	2.421	50.6205	1981.95	1
47262_7262	47262	7262	-7.4955	8.1645	-0.522	-1.116	50.5515	642.8295	1
47262_7263	47262	7263	-37.926	-45.0735	-0.5295	-2.757	41.784	2108.964	1
47263_7263	47263	7263	-7.4295	8.1615	-0.507	0.051	44.5395	548.2755	1
47263_7264	47263	7264	-39.2445	-35.2695	-0.4575	1.329	33.981	2133.855	1
47264_7264	47264	7264	-6.618	7.8915	-0.3915	-1.308	39.033	454.803	1
47264_7265	47264	7265	-40.236	-35.9505	-0.1125	-4.494	29.8515	2172.503	1
47265_7265	47265	7265	-17.355	-8.247	-0.012	0.4695	22.9215	473.9385	1
47265_7266	47265	7266	-40.6665	-26.625	0.051	2.7315	27.642	2100.308	1
47266_7266	47266	7266	-17.769	-8.742	0.0915	-1.896	22.698	567.699	1
47266_7267	47266	7267	-40.2915	-27.2415	-0.1845	-4.1085	22.488	2048.931	1
47267_7267	47267	7267	-17.7675	-8.742	0.1455	0.1245	23.754	667.9845	1
47267_7268	47267	7268	-38.9145	-18.381	0.0045	1.5435	20.0355	1900.272	1
47268_7268	47268	7268	-18.177	-9.627	-0.294	-3.5085	25.323	769.614	1
47268_7269	47268	7269	-38.2605	-23.421	-1.428	-6.741	13.761	1859.883	1
47269_7269	47269	7269	-18.09	-9.789	-0.2505	-1.758	24.1335	808.956	1
47269_7270	47269	7270	-35.8275	-16.4205	-1.233	-2.6565	0.3975	1724.321	1
47270_7270	47270	7270	-17.9355	-10.071	-0.201	0.2955	21.723	904.539	1
47270_7271	47270	7271	-32.541	-9.885	-0.99	1.3455	-10.038	1518.908	1
47271_7271	47271	7271	-18.165	-11.208	-1.404	-3.384	19.14	1012.956	1
47271_7272	47271	7272	-27.7875	-6.7905	-1.5795	-3.819	-27.177	1263.768	1
47272_7272	47272	7272	-17.9145	-11.613	-1.326	1.38	2.151	1150.563	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47272_7273	47272	7273	-22.842	-0.1455	-1.113	1.3305	-34.617	927.2865	1
47273_7273	47273	7273	-17.532	-16.4115	4.458	-4.434	-15.564	1296.587	1
47273_7274	47273	7274	-18.828	-16.8435	5.181	-1.044	-0.7365	867.4335	1
47274_7274	47274	7274	-17.4675	-16.7415	4.518	-1.3245	9.231	1388.022	1
47274_7275	47274	7275	-15.6915	-11.6535	4.212	1.5	35.3295	741.327	1
47275_7275	47275	7275	-54.6585	20.4045	2.4435	5.6145	33.0615	808.2165	1
47275_7276	47275	7276	65.3835	-26.0775	4.74	5.3565	71.409	1082.27	1
47276_7276	47276	7276	-58.134	18.4905	-1.77	-1.8855	49.746	697.677	1
47276_7277	47276	7277	62.3295	-37.932	-1.9575	-3.3825	59.415	1137.203	1
47277_7277	47277	7277	-63.339	16.5915	-1.8255	-0.7065	46.6845	621.591	1
47277_7278	47277	7278	55.53	-29.3325	-1.6785	-1.503	32.5335	1225.242	1
47278_7278	47278	7278	-77.217	12.816	-1.962	0.504	33.789	473.1105	1
47278_7279	47278	7279	49.41	-21.0885	-1.4355	1.6965	13.1865	1220.351	1
47279_7279	47279	7279	-88.26	10.4655	-0.438	-1.3395	17.868	363.5895	1
47279_7280	47279	7280	43.0155	-25.7985	0.669	-3.4035	17.514	1298.609	1
47280_7280	47280	7280	-85.491	4.7865	-0.1005	-0.504	18.1605	287.457	1
47280_7281	47280	7281	39.09	-14.229	0.513	1.8435	19.857	1276.917	1
47281_7281	47281	7281	-66.2985	-0.8025	1.2285	0.06	-31.212	306.045	1
47281_7282	47281	7282	38.076	-14.5005	-0.363	-1.7895	10.941	1261.085	1
47282_7282	47282	7282	-70.2105	-1.0125	1.4655	0.9555	-17.2095	317.358	1
47282_7283	47282	7283	50.2845	-23.094	0.0285	1.4655	3.738	1172.948	1
47283_7283	47283	7283	-75.048	-3.5595	1.2975	-0.411	-1.359	330.831	1
47283_7284	47283	7284	58.158	-28.6335	1.131	-2.2485	14.766	1197.332	1
47284_7284	47284	7284	-80.874	-4.755	1.683	1.0725	11.5635	374.214	1
47284_7285	47284	7285	66	-20.3295	1.116	2.1375	27.261	1150.029	1
47285_7285	47285	7285	-69.606	-12.0645	0.309	-1.4955	20.313	446.775	1
47285_7286	47285	7286	72.765	-27.024	-0.711	-2.196	24.2325	1168.151	1
47286_7286	47286	7286	-60.099	-14.4825	0.3405	-0.5265	18.342	556.1595	1
47286_7287	47286	7287	78.4545	-21.0045	-0.8835	-0.4095	19.479	1145.28	1
47287_7287	47287	7287	-49.4265	-18.042	0.381	1.053	14.9775	677.6145	1
47287_7288	47287	7288	84.3795	-15.168	-1.1055	1.7865	11.931	1089.483	1
47288_7288	47288	7288	-2.1945	14.268	0.435	-0.9495	19.9755	1560.713	1
47288_7289	47288	7289	-8.4615	-42.4125	0.933	-0.7215	16.503	1084.5	1
47289_7289	47289	7289	-2.3745	14.1825	0.4425	3.2445	25.3995	1379.807	1
47289_7290	47289	7290	-7.941	-33.987	0.9945	2.3205	29.514	1290.708	1
47290_7290	47290	7290	-2.754	10.764	0.246	-1.0665	30.888	1224.576	1
47290_7291	47290	7291	-7.923	-39.4305	0.015	-1.536	31.323	1464.504	1
47291_7291	47291	7291	-2.943	10.713	0.249	-0.6165	32.643	1145.211	1
47291_7292	47291	7292	-7.4295	-32.415	0.108	-1.0845	34.263	1620.591	1
47292_7292	47292	7292	-3.093	10.644	0.2625	3.2025	34.8045	1051.305	1
47292_7293	47292	7293	-7.041	-29.007	0.1605	4.902	35.7945	1671.44	1
47293_7293	47293	7293	-3.132	7.2525	-0.2715	-1.86	36.3525	1006.466	1
47293_7294	47293	7294	-7.5705	-62.4375	-0.5625	-3.666	36.1305	1869.248	1
47294_7294	47294	7294	-3.159	7.2405	-0.2655	-0.2265	34.41	954.7005	1
47294_7295	47294	7295	-7.3815	-55.056	-0.507	-0.6045	31.7565	2058.248	1
47295_7295	47295	7295	-3.1035	7.203	-0.258	1.749	32.274	893.3325	1
47295_7296	47295	7296	-7.3875	-49.1145	-0.4335	3.4905	28.8495	2175.669	1
47296_7296	47296	7296	-3.105	6.285	-0.306	-1.281	30.4485	842.628	1
47296_7297	47296	7297	-7.3695	-51.5865	-0.3975	-3.54	25.0725	2395.509	1
47297_7297	47297	7297	-3.1065	6.285	-0.297	0.756	27.096	773.583	1
47297_7298	47297	7298	-7.3365	-42.156	-0.4095	2.2725	20.256	2505.234	1
47298_7298	47298	7298	-2.94	5.463	-0.306	-1.5825	24.003	702.504	1
47298_7299	47298	7299	-7.2975	-46.9155	-0.276	-5.6655	16.449	2659.173	1
47299_7299	47299	7299	-2.9415	5.463	-0.2955	0.7575	20.5665	641.1585	1
47299_7300	47299	7300	-7.2495	-36.8565	-0.2415	3.3105	12.498	2698.674	1
47300_7300	47300	7300	-2.943	4.923	-0.3045	-1.2345	16.8465	572.355	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47300_7301	47300	7301	-7.299	-19.599	-0.372	-5.0655	8.7105	2796.8	1
47301_7301	47301	7301	-2.943	4.923	-0.294	0.429	13.14	512.361	1
47301_7302	47301	7302	-7.2555	-10.2015	-0.336	3.81	4.2165	2783.192	1
47302_7302	47302	7302	-2.8365	4.6125	-0.267	-1.1925	9.7995	455.2005	1
47302_7303	47302	7303	-7.188	-15.7065	-0.21	-5.607	1.0215	2834.612	1
47303_7303	47303	7303	-2.838	4.6125	-0.2565	0.2865	6.3945	396.2385	1
47303_7304	47303	7304	-7.0965	-6.795	-0.1665	4.7205	-1.122	2762.559	1
47304_7304	47304	7304	-2.8365	4.383	-0.147	-1.086	3.5685	345.3105	1
47304_7305	47304	7305	-6.9375	-13.02	-0.096	-5.6205	-2.3295	2751.269	1
47305_7305	47305	7305	-2.8365	4.383	-0.1365	-0.0405	1.8735	294.6735	1
47305_7306	47305	7306	-6.663	-2.685	-0.054	3.897	-2.8845	2592.029	1
47306_7306	47306	7306	-2.6925	4.1355	0.033	-0.966	0.2625	241.0155	1
47306_7307	47306	7307	-6.237	-6.132	0.069	-5.3445	-1.6695	2448.879	1
47307_7307	47307	7307	-2.6745	4.134	0.0435	-0.1995	0.6555	191.874	1
47307_7308	47307	7308	-5.5935	5.385	0.084	4.0035	-0.372	2116.224	1
47308_7308	47308	7308	-2.598	4.2555	-1.773	-0.7695	1.1565	142.5645	1
47308_7309	47308	7309	-5.2095	15.129	-0.39	-4.023	-4.9905	1684.434	1
47309_7309	47309	7309	-2.424	4.2345	-1.683	-0.387	-19.194	91.605	1
47309_7310	47309	7310	-4.1295	28.4805	-0.2895	2.538	-7.326	1040.679	1
47310_7310	47310	7310	-1.3005	3.5085	2.073	-0.4455	-27.72	42.5295	1
47310_7311	47310	7311	3.4965	-3.816	-3.6915	0.0735	0	15.4125	1

		DC	DW	LL+I	BR	WA	WS	WL	TU
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53
	Min.	1.31	1.58	1.84	1.84	1.05			0.48

SE
1.05
0.95

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
7000_7000	7000	7000	-1.176	-4.5255	0.174	0.12	0	-4.2975	1
7000_7001	7000	7001	-3.291	4.785	-0.243	-0.1395	-2.556	-27.969	1
7001_7001	7001	7001	-63.3375	23.9115	-0.0885	-0.063	-0.9345	-486.51	1
7001_7002	7001	7002	-6.9555	4.818	-0.237	-0.138	-4.7115	-56.0685	1
7002_7002	7002	7002	-102.849	19.359	0.078	0.015	-2.361	-787.652	1
7002_7003	7002	7003	-11.919	5.016	0.0735	-0.1605	-3.795	-93.7935	1
7003_7003	7003	7003	-142.308	0.4995	0.087	-0.204	-1.6215	-1087.49	1
7003_7004	7003	7004	-16.9005	5.016	0.0735	-0.18	-2.913	-131.553	1
7004_7004	7004	7004	-164.37	1.524	-0.0045	0.1725	-0.7635	-1255.87	1
7004_7005	7004	7005	-21.8145	4.9485	-0.018	-0.117	-3.1245	-168.777	1
7005_7005	7005	7005	-183.692	-9.177	-0.003	-0.369	-1.0365	-1403.02	1
7005_7006	7005	7006	-26.7285	4.9485	-0.018	-0.183	-3.339	-206.021	1
7006_7006	7006	7006	-189.824	-3.5985	-0.021	0.1725	-1.299	-1449.87	1
7006_7007	7006	7007	-31.698	5.037	-0.0525	-0.0885	-3.9615	-243.896	1
7007_7007	7007	7007	-200.054	-13.4445	-0.0225	-0.42	-1.815	-1527.54	1
7007_7008	7007	7008	-36.6855	5.0385	-0.0525	-0.183	-4.5885	-281.822	1
7008_7008	7008	7008	-199.418	-6.858	-0.051	0.186	-2.379	-1522.71	1
7008_7009	7008	7009	-41.7645	5.118	-0.057	-0.0465	-5.286	-320.318	1
7009_7009	7009	7009	-204.504	-16.545	-0.0525	-0.417	-3.2985	-1561.18	1
7009_7010	7009	7010	-46.8465	5.118	-0.0585	-0.171	-5.9865	-358.835	1
7010_7010	7010	7010	-199.299	-10.257	-0.042	0.1845	-4.209	-1521.61	1
7010_7011	7010	7011	-52.0635	5.253	-0.057	-0.003	-6.672	-398.37	1
7011_7011	7011	7011	-199.656	-39.8355	-0.042	-0.351	-4.4415	-1524.42	1
7011_7012	7011	7012	-57.279	5.253	-0.057	-0.1485	-7.3605	-437.892	1
7012_7012	7012	7012	-190.917	-34.4445	-0.087	0.204	-5.2275	-1458.07	1
7012_7013	7012	7013	-62.7615	5.5215	-0.057	0.0585	-8.0595	-479.439	1
7013_7013	7013	7013	-187.175	-44.0445	-0.087	-0.3135	-6.5235	-1429.56	1
7013_7014	7013	7014	-68.247	5.5215	-0.0585	-0.1275	-8.76	-521.007	1
7014_7014	7014	7014	-172.808	-41.859	-0.0585	0.072	-7.6755	-1320.52	1
7014_7015	7014	7015	-75.7635	5.805	-0.063	0.0375	-9.72	-578.087	1
7015_7015	7015	7015	-169.823	-53.4195	-0.0495	-0.0525	-5.9895	-1221.65	1
7015_7016	7015	7016	-84.8565	5.562	-0.0435	0.0075	-6.999	-624.125	1
7016_7016	7016	7016	-148.848	-49.0755	0.006	0.114	-6.381	-1107.62	1
7016_7017	7016	7017	-83.7735	6.3735	-0.0225	0.1035	-7.1985	-684.965	1
7017_7017	7017	7017	-117.611	-39.594	0.0165	0.0255	-5.4975	-993.581	1
7017_7018	7017	7018	-75.7545	6.3105	-0.0225	0.102	-7.455	-767.153	1
7018_7018	7018	7018	-73.737	-44.4465	-0.0105	0.1395	-4.836	-784.419	1
7018_7019	7018	7019	-66.651	6.9465	-0.0045	0.243	-7.515	-853.487	1
7019_7019	7019	7019	-37.68	-53.433	0.006	0.069	-4.3515	-554.426	1
7019_7020	7019	7020	-57.0525	7.2345	-0.0045	0.1425	-7.4685	-945.743	1
7020_7020	7020	7020	-102.384	-1.3515	0.024	0.096	-6.1035	-396.837	1
7020_7021	7020	7021	-35.409	-22.41	0.1275	0.075	-3.7305	-383.169	1
7021_7021	7021	7021	-111.323	-6.834	0.006	0.042	-4.035	-493.623	1
7021_7022	7021	7022	-16.7445	-15.3645	0.105	0.0285	-3.2475	-272.735	1
7022_7022	7022	7022	-117.401	-12.3285	-0.0015	-0.024	-3.567	-566.177	1
7022_7023	7022	7023	9.48	-3.0885	0.117	0.027	-5.964	-219.281	1
7023_7023	7023	7023	-120.677	-12.4635	0.0555	0.078	-3.234	-621.129	1
7023_7024	7023	7024	10.023	-2.6835	0.144	0.0915	-4.83	-205.721	1
7024_7024	7024	7024	-125.298	-18.6315	0.0495	0.0075	-2.484	-683.145	1
7024_7025	7024	7025	10.488	-2.589	0.1365	0.069	-3.7395	-192.683	1
7025_7025	7025	7025	-126.467	-25.476	0.039	0.003	-1.8405	-718.472	1
7025_7026	7025	7026	11.8185	-2.559	0.1365	0.069	-2.652	-179.798	1
7026_7026	7026	7026	-124.665	-22.557	0.042	0.0705	-1.3365	-727.169	1
7026_7027	7026	7027	11.6805	-1.956	0.141	0.0945	-1.815	-172.43	1
7027_7027	7027	7027	-126.513	-27.7755	0.0315	0.0825	-0.9885	-751.412	1
7027_7028	7027	7028	12.777	-1.956	0.1425	0.0975	-0.9645	-165.086	1
7028_7028	7028	7028	-126.608	-33.3855	0.024	-0.048	-0.7635	-760.145	1
7028_7029	7028	7029	13.875	-1.956	0.132	0.069	-0.1695	-157.734	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7029_7029	7029	7029	-123.801	-39.1725	0.012	-0.0495	-0.6525	-746.642	1
7029_7030	7029	7030	14.973	-1.956	0.132	0.069	0.6255	-150.38	1
7030_7030	7030	7030	-121.931	-18.1185	-0.0255	0.009	-0.9855	-718.479	1
7030_7031	7030	7031	15.7245	-1.005	0.1275	0.0885	1.6395	-145.349	1
7031_7031	7031	7031	-122.595	-25.5435	-0.036	-0.0045	-1.3575	-706.832	1
7031_7032	7031	7032	29.307	2.979	-0.132	-0.0735	-2.9055	-155.033	1
7032_7032	7032	7032	-120.102	-32.3955	-0.0435	-0.0885	-1.8795	-668.567	1
7032_7033	7032	7033	8.853	11.745	-0.093	-0.066	-2.385	-186.776	1
7033_7033	7033	7033	-114.068	-32.5155	0.0105	-0.045	-2.5125	-603.788	1
7033_7034	7033	7034	-15.114	18.1155	-0.1065	-0.0225	-2.2995	-257.664	1
7034_7034	7034	7034	-109.379	-38.652	-0.0105	0.0135	-2.8125	-546.369	1
7034_7035	7034	7035	-37.425	25.296	-0.096	0.018	-2.274	-359.654	1
7035_7035	7035	7035	-100.308	-44.3355	-0.0225	-0.1065	-4.407	-478.904	1
7035_7036	7035	7036	-63.2985	35.451	-0.1185	-0.075	-2.865	-557.649	1
7036_7036	7036	7036	-20.4525	-5.5845	0.012	0.084	-0.5145	-244.443	1
7036_7037	7036	7037	-45.6405	-9.7335	-0.0135	-0.1845	-4.713	-758.321	1
7037_7037	7037	7037	-27.3015	-0.2205	-0.0135	-0.093	-3.0645	-493.8	1
7037_7038	7037	7038	-51.6285	-9.147	-0.015	-0.156	-4.8915	-657.245	1
7038_7038	7038	7038	-54.6855	-4.0095	-0.0225	-0.027	-3.516	-697.049	1
7038_7039	7038	7039	-55.569	-7.8525	0.0135	-0.072	-4.7025	-568.67	1
7039_7039	7039	7039	-89.568	-13.5015	-0.0345	-0.153	-4.167	-865.893	1
7039_7040	7039	7040	-55.047	-7.521	0.0105	-0.117	-4.596	-497.285	1
7040_7040	7040	7040	-110.39	-12.5115	0.021	0.0765	-4.806	-945.468	1
7040_7041	7040	7041	-51.6915	-6.5115	0.0165	0.015	-4.464	-460.379	1
7041_7041	7041	7041	-138.753	-19.959	0.0045	-0.0645	-2.2605	-943.316	1
7041_7042	7041	7042	-49.2	-6.405	0.006	-0.036	-2.0235	-365.774	1
7042_7042	7042	7042	-147.189	-17.322	0.0195	0.0585	-2.3445	-996.615	1
7042_7043	7042	7043	-42.441	-5.712	0.0135	0.0225	-1.8705	-324.852	1
7043_7043	7043	7043	-159.182	-26.928	0.015	-0.0885	-2.196	-1066.84	1
7043_7044	7043	7044	-35.682	-5.712	0.0105	-0.024	-1.7385	-283.931	1
7044_7044	7044	7044	-161.235	-21.624	0.006	0.0345	-2.085	-1074.2	1
7044_7045	7044	7045	-29.2275	-5.4495	0.009	0.0225	-1.638	-244.851	1
7045_7045	7045	7045	-170.195	-31.56	0.0045	-0.0375	-2.0595	-1122.92	1
7045_7046	7045	7046	-32.523	5.8575	-0.0135	-0.039	-1.692	-220.806	1
7046_7046	7046	7046	-168.393	-8.0355	-0.0045	0.075	-2.061	-1100.83	1
7046_7047	7046	7047	-39.519	5.9085	-0.015	-0.003	-1.8645	-263.168	1
7047_7047	7047	7047	-172.833	-18.7305	-0.009	-0.0885	-2.103	-1127.2	1
7047_7048	7047	7048	-46.5135	5.9085	-0.015	-0.0405	-2.0445	-305.52	1
7048_7048	7048	7048	-165.117	-12.7965	-0.0135	0.0465	-2.178	-1080.93	1
7048_7049	7048	7049	-53.6445	6.024	-0.015	0.0075	-2.226	-348.696	1
7049_7049	7049	7049	-163.931	-23.526	-0.018	-0.0345	-2.31	-1074.53	1
7049_7050	7049	7050	-60.774	6.024	-0.015	-0.018	-2.4105	-391.865	1
7050_7050	7050	7050	-152.499	-18.645	-0.0075	0.0555	-2.445	-1004.45	1
7050_7051	7050	7051	-70.317	6.4245	-0.0165	0.0315	-2.6595	-451.322	1
7051_7051	7051	7051	-136.727	-32.2245	-0.0165	-0.0795	-2.8995	-987.279	1
7051_7052	7051	7052	-70.1685	6.3105	-0.021	-0.0105	-3.279	-503.495	1
7052_7052	7052	7052	-122.427	-27.807	0.0225	0.129	-2.961	-915.066	1
7052_7053	7052	7053	-70.992	6.8475	-0.006	0.105	-3.3405	-564.845	1
7053_7053	7053	7053	-89.4255	-37.7775	0.027	0.0045	-3.5055	-895.596	1
7053_7054	7053	7054	-59.4705	7.1325	-0.009	0.096	-4.6515	-681.894	1
7054_7054	7054	7054	-55.7145	-42.9015	-0.0135	0.138	-2.9235	-721.701	1
7054_7055	7054	7055	-52.6125	7.719	-0.0165	0.2385	-4.812	-770.09	1
7055_7055	7055	7055	-26.9895	-52.2765	-0.0015	0.0975	-2.718	-517.53	1
7055_7056	7055	7056	-44.985	8.094	-0.0165	0.2055	-4.986	-865.092	1
7056_7056	7056	7056	-95.9235	-1.44	0.021	0.1815	-4.0815	-404.775	1
7056_7057	7056	7057	-25.5945	-21.345	0.102	0.126	-2.7045	-348.359	1
7057_7057	7057	7057	-106.022	-7.212	0.009	0.0825	-3.021	-525.014	1
7057_7058	7057	7058	-3.357	-13.422	0.093	0.081	-2.775	-257.502	1
7058_7058	7058	7058	-113.136	-12.927	0.0015	-0.06	-2.6325	-610.077	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7058_7059	7058	7059	11.928	-3.1575	0.096	0.084	-4.515	-229.023	1
7059_7059	7059	7059	-117.161	-13.0065	0.0405	0.237	-2.3865	-673.556	1
7059_7060	7059	7060	12.5145	-2.8215	0.1155	0.24	-3.5895	-214.007	1
7060_7060	7060	7060	-122.28	-19.2585	0.0375	0.066	-1.8435	-743.303	1
7060_7061	7060	7061	13.5885	-2.7705	0.1095	0.1845	-2.7195	-199.382	1
7061_7061	7061	7061	-124.029	-26.193	0.033	-0.117	-1.3665	-783.957	1
7061_7062	7061	7062	14.022	-2.6985	0.102	0.1365	-1.9095	-185.067	1
7062_7062	7062	7062	-122.811	-22.9965	0.03	0.2235	-0.9735	-795.194	1
7062_7063	7062	7063	15.1605	-2.1975	0.1125	0.237	-1.2345	-176.418	1
7063_7063	7063	7063	-124.881	-28.215	0.0255	-0.021	-0.7365	-822.576	1
7063_7064	7063	7064	14.9625	1.767	-0.1065	-0.21	-0.084	-176.739	1
7064_7064	7064	7064	-124.992	-17.7795	-0.0165	-0.0765	-0.513	-833.631	1
7064_7065	7064	7065	14.049	1.767	-0.105	-0.207	-0.717	-183.68	1
7065_7065	7065	7065	-124.34	-23.364	-0.0255	-0.1035	-0.642	-821.969	1
7065_7066	7065	7066	14.853	1.7865	-0.108	-0.213	-1.3365	-190.665	1
7066_7066	7066	7066	-122.006	-17.8695	-0.027	-0.039	-0.8655	-793.793	1
7066_7067	7066	7067	13.9785	2.4795	-0.105	-0.189	-2.169	-203.576	1
7067_7067	7067	7067	-122.882	-25.35	-0.0345	-0.0585	-1.227	-781.673	1
7067_7068	7067	7068	14.3535	2.5755	-0.1065	-0.192	-3.003	-216.608	1
7068_7068	7068	7068	-120.828	-32.2665	-0.0405	-0.0885	-1.686	-740.526	1
7068_7069	7068	7069	12.789	2.5995	-0.1065	-0.195	-3.8565	-230.154	1
7069_7069	7069	7069	-115.446	-32.2245	0.0105	0.021	-2.235	-670.685	1
7069_7070	7069	7070	-6.1275	15.3675	-0.0915	-0.0345	-2.1075	-263.124	1
7070_7070	7070	7070	-111.287	-38.505	0	-0.1215	-2.4645	-608.088	1
7070_7071	7070	7071	-25.8795	21.459	-0.0915	-0.075	-2.1345	-354.962	1
7071_7071	7071	7071	-103.82	-44.214	-0.0135	-0.135	-3.333	-524.309	1
7071_7072	7071	7072	-52.566	32.673	-0.0975	-0.0555	-2.28	-527.25	1
7072_7072	7072	7072	-20.49	-0.726	0.018	-0.12	-2.352	-262.206	1
7072_7073	7072	7073	-51.1665	-7.9755	0.0135	-0.2475	-4.2375	-787.91	1
7073_7073	7073	7073	-29.844	-0.2535	-0.0015	-0.114	-2.58	-523.817	1
7073_7074	7073	7074	-58.6455	-7.443	0.012	-0.1965	-4.1595	-699.122	1
7074_7074	7074	7074	-57.1035	-4.2225	-0.021	-0.0405	-2.7735	-734.361	1
7074_7075	7074	7075	-63.681	-6.822	0.0015	-0.1065	-4.1295	-617.816	1
7075_7075	7075	7075	-101.034	-13.857	-0.024	-0.12	-2.4315	-861.335	1
7075_7076	7075	7076	-70.89	-6.48	0.0015	-0.099	-3.0555	-521.586	1
7076_7076	7076	7076	-123.818	-12.4575	0.021	0.024	-2.8545	-941.355	1
7076_7077	7076	7077	-67.953	-5.8095	0.0135	-0.012	-2.943	-488.841	1
7077_7077	7077	7077	-128.226	-19.29	0.0255	-0.1065	-3.9795	-1038.19	1
7077_7078	7077	7078	-55.452	-5.976	0.0195	-0.0615	-3.957	-443.702	1
7078_7078	7078	7078	-137.871	-17.7105	0.024	0.0615	-3.846	-1108.19	1
7078_7079	7078	7079	-49.8975	-5.724	0.024	0.03	-3.696	-403.44	1
7079_7079	7079	7079	-152.304	-9.159	0.0225	-0.138	-3.744	-1193.47	1
7079_7080	7079	7080	-44.349	-5.724	0.0225	-0.03	-3.4425	-363.216	1
7080_7080	7080	7080	-155.997	-3.135	0.003	0.075	-3.4755	-1213.82	1
7080_7081	7080	7081	-38.9865	-5.532	0.0195	0.057	-3.219	-324.345	1
7081_7081	7081	7081	-165.275	-13.08	-0.0015	-0.1425	-3.4335	-1276.38	1
7081_7082	7081	7082	-33.903	-5.5275	0.0195	0.003	-3.009	-285.461	1
7082_7082	7082	7082	-164.37	-6.4005	0.0015	0.0915	-3.4215	-1267.21	1
7082_7083	7082	7083	-30.411	5.1705	-0.0255	-0.0345	-2.601	-244.877	1
7083_7083	7083	7083	-169.551	-17.0745	-0.003	-0.108	-3.3885	-1304.51	1
7083_7084	7083	7084	-35.799	5.1705	-0.0255	-0.0705	-2.916	-283.935	1
7084_7084	7084	7084	-163.617	-29.247	-0.006	0.12	-3.4125	-1261.7	1
7084_7085	7084	7085	-40.8975	5.256	-0.0255	-0.0045	-3.204	-320.886	1
7085_7085	7085	7085	-164.384	-38.82	-0.009	-0.0675	-3.5055	-1267.08	1
7085_7086	7085	7086	-45.9885	5.256	-0.0255	-0.0525	-3.495	-357.801	1
7086_7086	7086	7086	-153.96	-14.8935	-0.027	0.21	-3.576	-1202.11	1
7086_7087	7086	7087	-50.8935	5.4435	-0.0285	0.0645	-3.798	-396.011	1
7087_7087	7087	7087	-150.27	-24.8595	-0.03	-0.168	-3.7995	-1179.9	1
7087_7088	7087	7088	-56.1735	5.4435	-0.03	-0.0615	-4.131	-434.276	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7088_7088	7088	7088	-138.66	-20.193	-0.018	0.156	-4.0065	-1097.95	1
7088_7089	7088	7089	-62.808	5.691	-0.0255	0.0825	-4.4655	-482.372	1
7089_7089	7089	7089	-127.265	-32.0475	-0.024	-0.1485	-3.6885	-1083.29	1
7089_7090	7089	7090	-64.167	5.577	-0.0225	-0.0225	-4.209	-538.748	1
7090_7090	7090	7090	-113.126	-27.546	0.0225	0.174	-3.7665	-999.771	1
7090_7091	7090	7091	-63.9015	6.1905	-0.0105	0.1335	-4.296	-596.811	1
7091_7091	7091	7091	-88.7865	-37.6875	0.0225	0.048	-4.191	-923.405	1
7091_7092	7091	7092	-57.2085	6.354	-0.0135	0.1275	-5.55	-679.13	1
7092_7092	7092	7092	-54.2565	-42.6615	-0.0165	0.141	-3.6105	-734.522	1
7092_7093	7092	7093	-50.286	6.975	-0.0255	0.237	-5.838	-761.06	1
7093_7093	7093	7093	-25.521	-52.3155	-0.0015	0.099	-3.3615	-519.708	1
7093_7094	7093	7094	-42.747	7.29	-0.0255	0.2085	-6.1305	-849.213	1
7094_7094	7094	7094	-93.984	-1.356	0.0285	0.162	-4.7685	-406.721	1
7094_7095	7094	7095	-24.0675	-20.832	0.1215	0.111	-3.0495	-347.795	1
7095_7095	7095	7095	-100.682	-7.2045	0.0165	0.099	-4.4715	-538.808	1
7095_7096	7095	7096	-1.533	-13.215	0.144	0.0945	-3.9585	-264.662	1
7096_7096	7096	7096	-107.054	-13.041	0.0045	-0.063	-3.8835	-626.274	1
7096_7097	7096	7097	12.2145	-3.159	0.1485	0.0885	-6.4875	-236.732	1
7097_7097	7097	7097	-110.45	-12.924	0.0705	0.2505	-3.516	-690.947	1
7097_7098	7097	7098	12.561	-2.781	0.1755	0.2475	-5.0835	-221.268	1
7098_7098	7098	7098	-115.014	-19.2885	0.066	0.0705	-2.661	-763.403	1
7098_7099	7098	7099	13.1805	-2.706	0.1665	0.189	-3.7605	-206.408	1
7099_7099	7099	7099	-116.4	-26.367	0.06	-0.1275	-1.8945	-805.236	1
7099_7100	7099	7100	13.4415	-2.616	0.156	0.135	-2.52	-192.015	1
7100_7100	7100	7100	-114.989	-22.7625	0.054	0.087	-1.2495	-815.877	1
7100_7101	7100	7101	13.788	-2.0745	0.177	0.2025	-1.4655	-183.539	1
7101_7101	7101	7101	-116.915	-28.0395	0.045	-0.21	-0.8715	-845.15	1
7101_7102	7101	7102	16.977	2.199	-0.18	-0.2685	-0.84	-182.607	1
7102_7102	7102	7102	-116.757	-17.853	-0.0315	0.249	-0.6495	-857.649	1
7102_7103	7102	7103	16.4535	2.2065	-0.1575	-0.15	-1.767	-191.582	1
7103_7103	7103	7103	-116.153	-23.538	-0.0405	-0.066	-0.9135	-845.976	1
7103_7104	7103	7104	15.3915	2.2065	-0.168	-0.2115	-2.7765	-200.555	1
7104_7104	7104	7104	-113.951	-17.5515	-0.0495	0.075	-1.305	-816.78	1
7104_7105	7104	7105	14.9415	2.7645	-0.1545	-0.165	-3.9945	-215.457	1
7105_7105	7105	7105	-115.025	-25.212	-0.0585	-0.1305	-1.9935	-806.385	1
7105_7106	7105	7106	14.313	2.8245	-0.165	-0.219	-5.307	-230.708	1
7106_7106	7106	7106	-113.291	-32.2965	-0.069	-0.1335	-2.8065	-764.609	1
7106_7107	7106	7107	14.4945	2.949	-0.1665	-0.2205	-6.633	-246.384	1
7107_7107	7107	7107	-108.378	-32.0385	0.0225	-0.039	-3.7635	-692.147	1
7107_7108	7107	7108	0.579	13.1955	-0.141	-0.0705	-4.098	-267.726	1
7108_7108	7108	7108	-104.681	-38.5215	0.0015	-0.0465	-4.116	-627.627	1
7108_7109	7108	7109	-21.111	20.8575	-0.135	-0.0375	-3.5745	-357.698	1
7109_7109	7109	7109	-100.703	-44.265	-0.0105	-0.138	-4.2645	-526.662	1
7109_7110	7109	7110	-48.498	31.7415	-0.1155	-0.0705	-2.8515	-515.928	1
7110_7110	7110	7110	-18.1365	-1.848	0.0195	-0.081	-2.445	-304.613	1
7110_7111	7110	7111	-49.5645	-8.1345	0.0285	-0.21	-6.0645	-791.891	1
7111_7111	7111	7111	-29.235	-0.681	0.003	-0.147	-3.7215	-533.031	1
7111_7112	7111	7112	-56.487	-7.7025	0.027	-0.2475	-5.766	-701.327	1
7112_7112	7112	7112	-55.479	-4.581	-0.006	-0.075	-4.017	-742.053	1
7112_7113	7112	7113	-61.4265	-7.023	0.021	-0.144	-5.5215	-617.958	1
7113_7113	7113	7113	-89.7015	-14.6985	-0.0105	-0.147	-3.561	-910.008	1
7113_7114	7113	7114	-62.6415	-6.831	0.0165	-0.1185	-4.221	-546.299	1
7114_7114	7114	7114	-108.693	-13.3935	0.03	-0.006	-3.9075	-985.347	1
7114_7115	7114	7115	-59.6385	-6.3195	0.0255	-0.0435	-4.0095	-509.316	1
7115_7115	7115	7115	-134.406	-20.1165	0.0225	-0.036	-3.156	-953.196	1
7115_7116	7115	7116	-57.7725	-6.3645	0.021	-0.024	-3.039	-405.237	1
7116_7116	7116	7116	-141.027	-17.799	0.03	0.048	-3.0165	-997.371	1
7116_7117	7116	7117	-51.4605	-6.03	0.024	0.0255	-2.7675	-364.82	1
7117_7117	7117	7117	-151.485	-27.1905	0.03	-0.066	-2.7585	-1062.4	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7117_7118	7117	7118	-45.1545	-6.03	0.024	-0.015	-2.5035	-324.438	1
7118_7118	7118	7118	-153.083	-21.3735	0.0165	0.012	-2.4705	-1068.35	1
7118_7119	7118	7119	-39.021	-5.859	0.021	0.027	-2.262	-285.167	1
7119_7119	7119	7119	-161.223	-30.9645	0.015	0.006	-2.3085	-1115.85	1
7119_7120	7119	7120	-32.8875	-5.859	0.021	0.027	-2.022	-245.895	1
7120_7120	7120	7120	-159.111	-24.474	0.015	0.1215	-2.136	-1098.07	1
7120_7121	7120	7121	-26.364	-5.8005	0.021	0.066	-1.767	-204.128	1
7121_7121	7121	7121	-164.325	-34.9695	0.0105	-0.102	-1.9635	-1128.35	1
7121_7122	7121	7122	-21.528	3.675	-0.009	-0.0405	-1.356	-177.662	1
7122_7122	7122	7122	-156.606	-29.0835	0.009	0.087	-1.8375	-1077.9	1
7122_7123	7122	7123	-25.473	3.768	-0.006	-0.0015	-1.431	-202.917	1
7123_7123	7123	7123	-156.14	-38.9865	0.006	-0.0315	-1.746	-1076.05	1
7123_7124	7123	7124	-29.3175	3.7695	-0.0075	-0.0255	-1.5075	-228.177	1
7124_7124	7124	7124	-144.351	-32.9175	-0.0015	0.132	-1.692	-1003.62	1
7124_7125	7124	7125	-33.483	3.9795	-0.009	0.0285	-1.6005	-254.852	1
7125_7125	7125	7125	-137.529	-26.025	-0.0075	-0.0945	-1.6935	-976.181	1
7125_7126	7125	7126	-37.425	3.99	-0.009	-0.0285	-1.6935	-281.562	1
7126_7126	7126	7126	-124.232	-20.9505	-0.009	0.0705	-1.7445	-893.883	1
7126_7127	7126	7127	-42.8985	4.374	-0.0075	0.0315	-1.7865	-316.971	1
7127_7127	7127	7127	-118.523	-32.97	-0.015	-0.0345	-1.659	-846.554	1
7127_7128	7127	7128	-46.6845	4.317	-0.0075	0	-1.6605	-345.651	1
7128_7128	7128	7128	-103.283	-27.7065	0.0045	0.0825	-1.7595	-770.117	1
7128_7129	7128	7129	-47.49	5.238	-0.0105	0.06	-1.7595	-391.208	1
7129_7129	7129	7129	-72.27	-37.9755	0	-0.024	-2.0625	-750.714	1
7129_7130	7129	7130	-38.964	5.6265	-0.0135	0.036	-2.2995	-482.439	1
7130_7130	7130	7130	-40.9905	-43.506	0.0825	0.087	-2.0385	-579.65	1
7130_7131	7130	7131	-66.63	27.2415	-0.078	-0.0765	1.098	-657.44	1
7131_7131	7131	7131	-14.3175	-53.2095	0.0915	0.0675	-0.8805	-376.728	1
7131_7132	7131	7132	-77.115	39.501	-0.0765	-0.192	0.3765	-946.646	1
7132_7132	7132	7132	-84.993	1.5315	-0.057	-0.0285	-0.6585	-288.323	1
7132_7133	7132	7133	-28.383	-22.782	0.0975	-0.018	-1.416	-320.898	1
7133_7133	7133	7133	-99.156	-4.9665	-0.069	0.0225	-0.8985	-422.148	1
7133_7134	7133	7134	-13.047	-16.254	0.072	0.0225	-0.945	-210.389	1
7134_7134	7134	7134	-108.048	-11.0445	-0.0885	0.1545	-1.3095	-511.751	1
7134_7135	7134	7135	18.468	-1.6965	0.0135	-0.0255	1.617	-164.804	1
7135_7135	7135	7135	-113.348	-11.6025	0.054	0.093	-1.929	-578.609	1
7135_7136	7135	7136	18.885	-0.564	-0.0735	-0.0615	1.0305	-161.972	1
7136_7136	7136	7136	-119.688	-18.252	0.054	0.0015	-1.4265	-651.015	1
7136_7137	7136	7137	18.399	-0.534	-0.078	-0.084	0.354	-159.141	1
7137_7137	7137	7137	-121.791	-25.596	0.048	-0.003	-0.948	-691.56	1
7137_7138	7137	7138	18.2745	-0.513	-0.078	-0.084	-0.288	-156.47	1
7138_7138	7138	7138	-120.228	-21.3675	0.018	0.123	-0.534	-701.349	1
7138_7139	7138	7139	18.1635	0.201	-0.048	-0.0525	-0.573	-157.226	1
7139_7139	7139	7139	-120.05	-12.099	-0.006	-0.042	-0.3885	-734.294	1
7139_7140	7139	7140	18.5655	0.2055	-0.0555	-0.084	-0.894	-158.004	1
7140_7140	7140	7140	-122.108	-18.201	-0.012	-0.045	-0.4425	-747.752	1
7140_7141	7140	7141	18.4515	0.2055	-0.0555	-0.084	-1.2285	-158.783	1
7141_7141	7141	7141	-120.98	-24.12	-0.018	-0.0495	-0.564	-737.061	1
7141_7142	7141	7142	19.2345	0.219	-0.057	-0.0855	-1.5555	-159.579	1
7142_7142	7142	7142	-117.804	-17.742	-0.0195	0.048	-0.747	-709.152	1
7142_7143	7142	7143	19.71	0.741	-0.051	-0.054	-1.953	-163.124	1
7143_7143	7143	7143	-118.394	-25.665	-0.0225	-0.0555	-1.029	-700.52	1
7143_7144	7143	7144	20.5185	0.8175	-0.0585	-0.0795	-2.409	-167.015	1
7144_7144	7144	7144	-115.319	-33.003	-0.027	-0.057	-1.35	-660.902	1
7144_7145	7144	7145	22.128	0.9675	-0.06	-0.0795	-2.8725	-171.387	1
7145_7145	7145	7145	-108.173	-32.8215	0.0315	-0.0495	-1.7235	-590.438	1
7145_7146	7145	7146	-9.09	16.083	-0.0615	-0.033	-1.251	-227.753	1
7146_7146	7146	7146	-102.381	-39.501	0.018	0.0195	-1.68	-527.351	1
7146_7147	7146	7147	-29.658	23.0595	-0.0615	0.009	-1.26	-322.293	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7147_7147	7147	7147	-91.7325	-45.669	0.012	-0.066	-1.8555	-449.202	1
7147_7148	7147	7148	-56.1	34.929	-0.0675	-0.057	-1.344	-511.814	1
7148_7148	7148	7148	-12.597	-2.559	0.0105	-0.048	-1.071	-260.067	1
7148_7149	7148	7149	-36.312	-9.882	0.012	-0.1305	-2.658	-685.524	1
7149_7149	7149	7149	-18.4815	-1.0035	-0.0045	-0.0615	-1.6875	-449.451	1
7149_7150	7149	7150	-41.1285	-9.1545	0.0105	-0.111	-2.532	-587.852	1
7150_7150	7150	7150	-42.312	-5.004	-0.0135	-0.033	-1.779	-637.014	1
7150_7151	7150	7151	-43.8435	-8.07	0.009	-0.0675	-2.448	-500.336	1
7151_7151	7151	7151	-81.636	-14.604	-0.018	-0.0405	-1.704	-735.626	1
7151_7152	7151	7152	-48.2745	-7.422	0.006	-0.0345	-1.932	-401.675	1
7152_7152	7152	7152	-99.1575	-13.2525	0.0225	-0.0495	-1.986	-790.359	1
7152_7153	7152	7153	-44.2755	-6.5895	0.015	-0.036	-1.812	-366.45	1
7153_7153	7153	7153	-118.523	-19.9365	0.018	0.021	-1.515	-811.008	1
7153_7154	7153	7154	-38.4255	-6.507	0.0135	0.009	-1.311	-297.054	1
7154_7154	7154	7154	-122.814	-17.991	0.0105	0.006	-1.335	-842.427	1
7154_7155	7154	7155	-31.425	-6.153	0.009	0.0075	-1.2165	-257.373	1
7155_7155	7155	7155	-131.67	-27.444	0.009	0.003	-1.254	-894.723	1
7155_7156	7155	7156	-24.807	-6.141	0.009	0.0075	-1.131	-217.73	1
7156_7156	7156	7156	-131.151	-22.8045	0.0045	-0.0165	-1.1835	-891.242	1
7156_7157	7156	7157	-18.5505	-6.0495	0.009	0.009	-1.0395	-182.261	1
7157_7157	7157	7157	-136.25	-31.6695	0.0045	0.036	-1.1625	-919.091	1
7157_7158	7157	7158	-12.294	-6.0495	0.0105	0.021	-0.939	-146.792	1
7158_7158	7158	7158	-132.375	-25.974	0	-0.0135	-1.1355	-895.908	1
7158_7159	7158	7159	-15.198	5.2725	-0.009	-0.0165	-1.0335	-162.426	1
7159_7159	7159	7159	-135.716	-18.924	-0.0015	0.03	-1.167	-915.839	1
7159_7160	7159	7160	-20.475	5.274	-0.0075	-0.006	-1.104	-193.341	1
7160_7160	7160	7160	-130.358	-12.8505	-0.012	-0.021	-1.1805	-886.518	1
7160_7161	7160	7161	-26.694	5.466	-0.0105	-0.012	-1.2135	-228.596	1
7161_7161	7161	7161	-130.577	-23.1285	-0.012	0.027	-1.3035	-888.381	1
7161_7162	7161	7162	-32.913	5.466	-0.009	0.003	-1.3125	-263.852	1
7162_7162	7162	7162	-121.427	-18.636	-0.0105	0.021	-1.413	-834.62	1
7162_7163	7162	7163	-41.346	5.9295	-0.0105	0.009	-1.4655	-311.654	1
7163_7163	7163	7163	-110.846	-30.9705	-0.018	-0.0255	-1.6485	-824.808	1
7163_7164	7163	7164	-42.648	6.039	-0.0135	0.0015	-1.641	-353.678	1
7164_7164	7164	7164	-98.3145	-26.769	0.0195	0.036	-1.788	-764.495	1
7164_7165	7164	7165	-45.225	7.0725	-0.003	0.0285	-1.671	-411.786	1
7165_7165	7165	7165	-72.3795	-36.5745	0.018	0.0495	-1.6935	-737.612	1
7165_7166	7165	7166	-39.375	7.7205	-0.0045	0.066	-1.9035	-511.316	1
7166_7166	7166	7166	-40.4445	-41.832	-0.0045	0.051	-1.404	-585.003	1
7166_7167	7166	7167	-35.1375	9.099	-0.0075	0.084	-1.9785	-603.359	1
7167_7167	7167	7167	-13.4985	-51.2205	0.0045	0.0585	-1.308	-402.128	1
7167_7168	7167	7168	-93.846	36.591	0.0135	-0.1665	2.034	-875.817	1
7168_7168	7168	7168	-83.9805	0.441	0.0045	0.0705	-1.7595	-312.285	1
7168_7169	7168	7169	-31.6755	-24.1785	0.054	0.063	-1.044	-331.056	1
7169_7169	7169	7169	-98.1915	-5.3235	-0.003	0.006	-1.1745	-424.56	1
7169_7170	7169	7170	-12.8115	-17.358	0.0405	0.006	-0.7755	-220.418	1
7170_7170	7170	7170	-108.273	-11.0925	-0.0105	0.006	-1.08	-507.774	1
7170_7171	7170	7171	6.8115	-11.4165	0.039	0.015	-0.7785	-154.502	1
7171_7171	7171	7171	-114.983	-11.2515	0.021	0.0075	-1.077	-571.415	1
7171_7172	7171	7172	4.1145	-1.2915	-0.0405	-0.063	0.771	-141.335	1
7172_7172	7172	7172	-122.943	-17.646	0.015	0.081	-0.8415	-641.295	1
7172_7173	7172	7173	5.127	-1.2915	-0.0375	-0.0435	0.471	-135.051	1
7173_7173	7173	7173	-126.818	-24.747	0.0135	-0.0165	-0.666	-683.249	1
7173_7174	7173	7174	6.138	-1.2915	-0.0405	-0.0615	0.15	-128.766	1
7174_7174	7174	7174	-126.987	-21.5955	0.018	-0.0075	-0.5235	-696.989	1
7174_7175	7174	7175	6.405	-0.4515	-0.0435	-0.0615	-0.108	-127.115	1
7175_7175	7175	7175	-130.406	-26.9595	0.012	0.1095	-0.4095	-724.859	1
7175_7176	7175	7176	8.6955	-0.3945	-0.0405	-0.0405	-0.318	-125.544	1
7176_7176	7176	7176	-131.682	-32.736	0.009	-0.021	-0.3525	-736.536	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7176_7177	7176	7177	17.8995	0.1365	0.0405	0.0555	0.036	-125.138	1
7177_7177	7177	7177	-129.647	-38.685	0.0045	-0.024	-0.336	-725.432	1
7177_7178	7177	7178	17.8185	0.1365	0.0405	0.0555	0.279	-125.637	1
7178_7178	7178	7178	-129.449	-18.1575	-0.0075	-0.0405	-0.5535	-697.77	1
7178_7179	7178	7179	16.911	1.161	0.036	0.0525	0.57	-131.279	1
7179_7179	7179	7179	-130.128	-25.821	-0.0135	0.039	-0.6885	-684.641	1
7179_7180	7179	7180	16.3725	1.1685	0.0405	0.069	0.9015	-136.949	1
7180_7180	7180	7180	-127.092	-32.907	-0.015	-0.0555	-0.8805	-643.449	1
7180_7181	7180	7181	2.067	12	-0.027	-0.0495	-0.819	-152.033	1
7181_7181	7181	7181	-119.955	-33.1725	0.018	-0.0255	-1.1025	-574.335	1
7181_7182	7181	7182	-16.1355	17.4405	-0.0405	-0.033	-0.8025	-218.288	1
7182_7182	7182	7182	-113.945	-39.534	0.012	-0.033	-1.092	-510.963	1
7182_7183	7182	7183	-36.228	24.2025	-0.042	-0.0285	-0.852	-317.334	1
7183_7183	7183	7183	-104.456	-45.351	0.0015	0.012	-1.326	-428.936	1
7183_7184	7183	7184	-64.776	36.324	-0.0465	0.006	-0.9705	-504.429	1
7184_7184	7184	7184	-21.4965	-4.635	0.003	0.0285	-0.2175	-207.093	1
7184_7185	7184	7185	-76.2825	-28.7385	0	0.096	1.6455	-590.945	1
7185_7185	7185	7185	-22.7565	0.591	-0.003	-0.006	-1.2495	-386.231	1
7185_7186	7185	7186	-46.4385	-7.3395	0.006	-0.0165	-1.863	-489.933	1
7186_7186	7186	7186	-50.2425	-3.4815	-0.015	-0.0855	-1.329	-578.249	1
7186_7187	7186	7187	-49.326	-6.393	0.0045	-0.099	-1.8375	-419.844	1
7187_7187	7187	7187	-90.1305	-12.7635	-0.0165	0.0135	-1.44	-712.208	1
7187_7188	7187	7188	-50.5605	-6.177	0.0045	0.0015	-1.5915	-350.349	1
7188_7188	7188	7188	-112.392	-12.3195	0.012	-0.042	-1.6965	-788.171	1
7188_7189	7188	7189	-47.352	-5.4525	0.009	-0.03	-1.5375	-321.516	1
7189_7189	7189	7189	-129.33	-19.032	0.0105	0.03	-1.485	-871.376	1
7189_7190	7189	7190	-40.536	-5.5185	0.0075	0.0105	-1.287	-280.286	1
7190_7190	7190	7190	-138.119	-18.0795	0.0105	0.0105	-1.425	-927.843	1
7190_7191	7190	7191	-35.0145	-5.124	0.0075	0.0075	-1.212	-246.072	1
7191_7191	7191	7191	-149.042	-27.2505	0.009	0.0045	-1.347	-992.997	1
7191_7192	7191	7192	-29.253	-5.124	0.0075	0.0075	-1.125	-211.895	1
7192_7192	7192	7192	-150.885	-23.457	-0.0015	0.012	-1.293	-1002.16	1
7192_7193	7192	7193	-24.306	-4.956	0.0075	0.0165	-1.056	-181.896	1
7193_7193	7193	7193	-156.894	-32.0025	-0.003	0.006	-1.335	-1035.88	1
7193_7194	7193	7194	-23.007	5.2035	-0.012	-0.021	-1.1295	-169.046	1
7194_7194	7194	7194	-154.901	-9.738	-0.0045	0.039	-1.419	-1020.96	1
7194_7195	7194	7195	-28.452	5.3325	-0.0105	-0.006	-1.236	-201.344	1
7195_7195	7195	7195	-158.25	-18.6825	-0.0075	-0.0375	-1.4565	-1041.57	1
7195_7196	7195	7196	-33.897	5.3325	-0.0105	-0.0195	-1.347	-233.642	1
7196_7196	7196	7196	-153.165	-13.578	-0.015	0.009	-1.5315	-1012.1	1
7196_7197	7196	7197	-39.666	5.637	-0.012	-0.0015	-1.458	-271.095	1
7197_7197	7197	7197	-152.465	-23.379	-0.0165	0.003	-1.6755	-1008.28	1
7197_7198	7197	7198	-46.005	5.637	-0.012	-0.0015	-1.5885	-308.691	1
7198_7198	7198	7198	-142.889	-19.8435	-0.009	0.0315	-1.833	-949.803	1
7198_7199	7198	7199	-54.852	6.3	-0.012	0.0165	-1.743	-361.172	1
7199_7199	7199	7199	-132.005	-31.716	-0.0135	-0.021	-1.995	-881.117	1
7199_7200	7199	7200	-57.231	6.207	-0.012	0.009	-1.9395	-384.966	1
7200_7200	7200	7200	-118.242	-28.9815	0.0105	0.0015	-2.0595	-818.109	1
7200_7201	7200	7201	-59.373	7.107	-0.0075	0.006	-2.004	-443.417	1
7201_7201	7201	7201	-85.4535	-38.406	0.0195	0.183	-2.7675	-800.615	1
7201_7202	7201	7202	-51.3255	7.398	-0.012	0.1665	-3.222	-554.072	1
7202_7202	7202	7202	-51.423	-43.6725	-0.012	0.0555	-2.337	-636.374	1
7202_7203	7202	7203	-46.653	8.4765	-0.0105	0.0645	-3.3105	-642.845	1
7203_7203	7203	7203	-22.5255	-52.3245	0.0015	0.159	-2.127	-443.094	1
7203_7204	7203	7204	-87.762	41.3535	0.015	-0.198	3.702	-942.11	1
7204_7204	7204	7204	-96.84	-1.248	0.0225	0.0465	-2.973	-366.347	1
7204_7205	7204	7205	-35.781	-27.297	0.0705	0.024	-1.833	-368.156	1
7205_7205	7205	7205	-108.956	-6.6105	0.0045	0.0795	-2.025	-485.895	1
7205_7206	7205	7206	-16.278	-19.4775	0.0645	0.054	-1.5795	-254.909	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7206_7206	7206	7206	-117.416	-11.8995	-0.0015	-0.0045	-1.758	-567.287	1
7206_7207	7206	7207	4.9245	-11.8665	0.063	0.03	-1.701	-181.718	1
7207_7207	7207	7207	-123.113	-12.393	0.027	0.021	-1.5975	-631.764	1
7207_7208	7207	7208	13.899	-0.09	-0.0825	-0.0945	1.809	-162.291	1
7208_7208	7208	7208	-129.8	-18.3375	0.0195	0.0075	-1.236	-701.301	1
7208_7209	7208	7209	13.968	-0.09	-0.0825	-0.0945	1.146	-161.838	1
7209_7209	7209	7209	-133.089	-24.924	0.009	0.09	-0.984	-745.736	1
7209_7210	7209	7210	14.037	-0.09	-0.078	-0.072	0.5205	-161.388	1
7210_7210	7210	7210	-133.398	-22.9755	0.0315	0.0015	-0.8535	-765.155	1
7210_7211	7210	7211	13.548	0.864	-0.093	-0.096	-0.036	-164.615	1
7211_7211	7211	7211	-134.84	-11.37	-0.0075	-0.0465	-0.579	-796.874	1
7211_7212	7211	7212	13.059	0.864	-0.093	-0.096	-0.594	-167.841	1
7212_7212	7212	7212	-137.399	-16.9755	-0.018	0.0855	-0.6345	-810.531	1
7212_7213	7212	7213	14.3325	0.921	-0.087	-0.0675	-1.0875	-171.173	1
7213_7213	7213	7213	-137.018	-22.4325	-0.0225	-0.0735	-0.7935	-802.346	1
7213_7214	7213	7214	13.8105	0.921	-0.0945	-0.0975	-1.653	-174.611	1
7214_7214	7214	7214	-134.769	-18.54	-0.0045	-0.0405	-1.0245	-778.754	1
7214_7215	7214	7215	14.9805	1.5645	-0.0975	-0.0855	-2.397	-181.832	1
7215_7215	7215	7215	-134.93	-25.692	-0.0135	-0.0495	-1.2345	-764.201	1
7215_7216	7215	7216	15.681	1.7685	-0.0975	-0.0855	-3.1425	-189.657	1
7216_7216	7216	7216	-132.065	-32.292	-0.024	0.0345	-1.548	-724.5	1
7216_7217	7216	7217	8.073	10.035	-0.069	-0.045	-2.448	-202.136	1
7217_7217	7217	7217	-125.702	-33.1215	0.012	0.1035	-1.977	-659.139	1
7217_7218	7217	7218	-12.6765	16.17	-0.036	0.1035	-1.983	-264.8	1
7218_7218	7218	7218	-120.062	-38.9745	0.003	0.123	-2.1735	-597.126	1
7218_7219	7218	7219	-35.3145	23.8065	-0.0345	0.117	-1.605	-362.454	1
7219_7219	7219	7219	-111.281	-44.319	0.0285	-0.4455	-2.496	-505.55	1
7219_7220	7219	7220	-65.1975	35.0085	-0.048	-0.291	-1.308	-536.769	1
7220_7220	7220	7220	-9.4065	6.1275	-0.012	-0.0285	-1.734	-257.751	1
7220_7221	7220	7221	-59.3625	-9.3465	-0.0015	-0.0585	-3.888	-753.47	1
7221_7221	7221	7221	-33.6225	-0.345	-0.0075	-0.1455	-2.2635	-508.424	1
7221_7222	7221	7222	-65.613	-8.9325	-0.003	-0.2415	-3.9675	-654.779	1
7222_7222	7222	7222	-63.2145	-4.4295	-0.0105	0.0195	-2.544	-704.312	1
7222_7223	7222	7223	-68.8425	-8.3745	0.018	-0.03	-3.7485	-563.213	1
7223_7223	7223	7223	-109.323	-12.9105	-0.0135	-0.1155	-1.881	-814.361	1
7223_7224	7223	7224	-72.492	-8.22	0.0105	-0.078	-2.316	-458.145	1
7224_7224	7224	7224	-134.426	-13.494	0.018	0.159	-2.1375	-897.185	1
7224_7225	7224	7225	-67.5315	-7.7895	0.0195	0.0675	-2.1615	-418.02	1
7225_7225	7225	7225	-141.629	-20.691	0.012	-0.15	-2.157	-1026.41	1
7225_7226	7225	7226	-52.6635	-7.9965	0.0195	-0.0585	-1.9845	-369.714	1
7226_7226	7226	7226	-150.612	-21.0075	0.021	0.2295	-2.052	-1094.82	1
7226_7227	7226	7227	-44.4555	-7.6185	0.021	0.093	-1.7535	-315.185	1
7227_7227	7227	7227	-159.114	-30.0645	0.015	-0.2145	-1.839	-1154.34	1
7227_7228	7227	7228	-35.9385	-7.6185	0.0195	-0.039	-1.5255	-260.808	1
7228_7228	7228	7228	-158.825	-28.1145	0.012	0.2955	-1.68	-1155.01	1
7228_7229	7228	7229	-32.871	6.6735	0	0.072	-1.143	-253.835	1
7229_7229	7229	7229	-161.235	-18.705	0	-0.2745	-1.4805	-1172.04	1
7229_7230	7229	7230	-40.3335	6.6735	-0.003	-0.06	-1.1715	-301.484	1
7230_7230	7230	7230	-153.657	-16.8285	-0.0075	0.288	-1.4175	-1121.97	1
7230_7231	7230	7231	-48.036	7.143	-0.012	0.117	-1.299	-354.564	1
7231_7231	7231	7231	-149.604	-26.595	-0.018	-0.2295	-1.476	-1091.71	1
7231_7232	7231	7232	-56.343	7.1475	-0.0135	-0.057	-1.461	-407.832	1
7232_7232	7232	7232	-136.745	-26.706	0.0345	0.303	-1.6425	-1001.58	1
7232_7233	7232	7233	-58.6785	7.9245	0.0015	0.159	-1.4565	-422.729	1
7233_7233	7233	7233	-133.778	-29.268	0.048	0.1065	-2.391	-987.068	1
7233_7234	7233	7234	-62.1825	7.8345	0.0015	0.072	-2.28	-453.921	1
7234_7234	7234	7234	-126.27	-33.972	0.0405	0.0255	-2.073	-949.883	1
7234_7235	7234	7235	-65.0265	7.671	0	0.048	-2.2845	-499.164	1
7235_7235	7235	7235	-108.257	-40.065	0.0285	-0.069	-1.7475	-875.006	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7235_7236	7235	7236	-65.433	7.536	-0.0015	0.006	-2.2965	-531.582	1
7236_7236	7236	7236	-76.701	-39.3315	0.0555	0.219	-2.55	-897.959	1
7236_7237	7236	7237	-52.755	8.6535	0.0285	0.2565	-3.234	-662.468	1
7237_7237	7237	7237	-52.515	-46.368	0.063	-0.1305	-1.9395	-768.057	1
7237_7238	7237	7238	-49.3605	8.8155	0.024	-0.0255	-3.027	-734.298	1
7238_7238	7238	7238	-32.3745	-35.931	-0.168	-0.045	-1.131	-618.075	1
7238_7239	7238	7239	-46.6125	12.654	-0.0435	0.3435	-3.3705	-831.861	1
7239_7239	7239	7239	-20.8425	-42.57	-0.1635	-0.2775	-2.4795	-535.545	1
7239_7240	7239	7240	-90.237	35.3205	0.1245	-0.2895	4.3665	-1061.16	1
7240_7240	7240	7240	-119.201	-10.17	0.1125	0.552	-5.6835	-583.274	1
7240_7241	7240	7241	-19.248	-20.0205	0.102	0.222	-2.1945	-421.229	1
7241_7241	7241	7241	-124.134	-15.588	0.108	0.183	-4.0275	-644.82	1
7241_7242	7241	7242	-0.087	-14.9715	0.096	-0.0075	-2.016	-314.028	1
7242_7242	7242	7242	-126.102	-22.3395	0.099	-0.039	-2.88	-692.19	1
7242_7243	7242	7243	14.5545	-12.366	0.096	-0.096	-1.629	-239.447	1
7243_7243	7243	7243	-123.572	-11.847	0.0405	0.255	-1.9965	-702.69	1
7243_7244	7243	7244	27.8955	-2.061	0.102	0.1635	-1.4385	-193.817	1
7244_7244	7244	7244	-130.964	-18.7545	0.0555	-0.051	-1.3935	-796.046	1
7244_7245	7244	7245	17.928	0.183	-0.0345	-0.159	1.512	-191.492	1
7245_7245	7245	7245	-135.066	-22.026	-0.03	0.1845	-0.6675	-854.756	1
7245_7246	7245	7246	17.2875	0.756	-0.093	-0.0765	0.5505	-196.629	1
7246_7246	7246	7246	-139.121	-12.504	-0.045	-0.21	-0.84	-910.497	1
7246_7247	7246	7247	18.708	0.879	-0.1095	-0.165	-0.3735	-201.321	1
7247_7247	7247	7247	-141.164	-14.736	0.0135	0.315	-1.2585	-914.939	1
7247_7248	7247	7248	18.429	1.4235	-0.1365	-0.0315	-1.6275	-210.129	1
7248_7248	7248	7248	-142.868	-22.8255	0.018	-0.3195	-1.2615	-908.958	1
7248_7249	7248	7249	21.438	1.9455	-0.168	-0.18	-3.159	-221.177	1
7249_7249	7249	7249	-140.207	-26.6085	-0.1065	0.117	-1.38	-857.903	1
7249_7250	7249	7250	23.8515	3.711	-0.204	-0.0105	-4.845	-238.911	1
7250_7250	7250	7250	-137.205	-34.0815	-0.105	-0.2415	-2.8905	-797.688	1
7250_7251	7250	7251	0.507	15.678	-0.1635	-0.081	-4.0245	-301.35	1
7251_7251	7251	7251	-130.263	-23.025	0.0705	0.2625	-4.3125	-705.989	1
7251_7252	7251	7252	-15.2925	17.1075	0.1365	0.4455	-2.124	-382.13	1
7252_7252	7252	7252	-133.515	-29.1405	0.0915	-0.2115	-3.801	-692.126	1
7252_7253	7252	7253	-37.2555	22.1205	0.0765	0.111	-0.3585	-503.012	1
7253_7253	7253	7253	-22.659	-15.642	0.0945	-0.264	-2.484	-481.203	1
7253_7254	7253	7254	-55.299	-15.888	0.3735	-1.485	0.0645	-877.337	1
7254_7254	7254	7254	-27.477	-3.747	-0.09	-0.015	-2.034	-528.629	1
7254_7255	7254	7255	-59.37	-11.2305	-0.252	0.0195	-3.0045	-764.588	1
7255_7255	7255	7255	-46.8405	-11.061	-0.1125	-0.2025	-3.597	-680.778	1
7255_7256	7255	7256	-61.6245	-11.1165	-0.2535	-0.2595	-5.535	-671.447	1
7256_7256	7256	7256	-62.223	-3.066	0.0525	0.078	-5.2725	-758.217	1
7256_7257	7256	7257	-63.1815	-8.193	-0.009	0	-5.622	-606.768	1
7257_7257	7257	7257	-101.379	-7.776	0.0345	-0.0675	-3.243	-804.732	1
7257_7258	7257	7258	-73.302	-7.818	-0.006	-0.0555	-3.6495	-508.181	1
7258_7258	7258	7258	-119.888	-12.423	0.0375	-0.108	-3.1125	-879.44	1
7258_7259	7258	7259	-71.3955	-8.0475	-0.006	-0.0645	-3.6825	-479.4	1
7259_7259	7259	7259	-130.589	-10.965	0.0195	0.1635	-2.991	-923.741	1
7259_7260	7259	7260	-66.8205	-7.7085	0.039	0.075	-3.3855	-440.621	1
7260_7260	7260	7260	-150.942	-16.2855	0.012	-0.0345	-2.1585	-940.752	1
7260_7261	7260	7261	-62.0415	-7.875	0.027	-0.0015	-2.256	-373.581	1
7261_7261	7261	7261	-161.421	-22.5105	0.0105	-0.126	-2.106	-1006.54	1
7261_7262	7261	7262	-55.6305	-7.875	0.027	-0.0405	-2.0385	-337.409	1
7262_7262	7262	7262	-166.412	-20.0715	0.021	0.114	-2.0415	-1040.32	1
7262_7263	7262	7263	-46.8705	-7.5135	0.021	0.054	-1.7955	-287.784	1
7263_7263	7263	7263	-175.088	-9.3225	0.018	-0.084	-1.6845	-1106.98	1
7263_7264	7263	7264	-38.6235	-7.47	0.021	-0.0015	-1.5735	-238.706	1
7264_7264	7264	7264	-176.684	-8.382	0.006	0.207	-1.3695	-1120.11	1
7264_7265	7264	7265	-34.4325	7.5915	0.003	0.0615	-0.924	-248.766	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7265_7265	7265	7265	-179.714	-17.7195	-0.0015	-0.165	-1.203	-1140.33	1
7265_7266	7265	7266	-42.918	7.6125	0	-0.0225	-0.915	-297.942	1
7266_7266	7266	7266	-172.782	-16.9875	0.0105	0.1875	-1.1145	-1102.58	1
7266_7267	7266	7267	-52.254	8.0475	-0.003	0.0915	-0.9585	-350.618	1
7267_7267	7267	7267	-168.188	-25.7385	0.003	-0.1005	-0.9075	-1075.47	1
7267_7268	7267	7268	-61.4775	8.0775	-0.006	-0.006	-1.0215	-403.904	1
7268_7268	7268	7268	-155.121	-26.343	0.0585	0.318	-0.8085	-997.542	1
7268_7269	7268	7269	-65.0595	8.862	0.012	0.1695	-0.9735	-424.152	1
7269_7269	7269	7269	-141.251	-29.6025	0.072	0.1515	-0.7425	-1064.23	1
7269_7270	7269	7270	-66.6375	8.8215	0.0135	0.114	-1.1745	-519.185	1
7270_7270	7270	7270	-125.147	-36.6645	0.0615	-0.12	-0.027	-989.721	1
7270_7271	7270	7271	-68.3955	8.7705	0.012	-0.009	-1.044	-584.847	1
7271_7271	7271	7271	-83.6205	-38.796	0.159	0.384	0.8805	-966.522	1
7271_7272	7271	7272	-56.8575	9.8625	0.12	0.387	-0.1575	-739.541	1
7272_7272	7272	7272	-53.7555	-46.2165	0.1245	-0.2805	2.295	-812.315	1
7272_7273	7272	7273	-51.273	10.293	0.114	-0.186	1.2855	-848.246	1
7273_7273	7273	7273	-27.234	-33.3645	-0.501	0.1065	2.985	-606.966	1
7273_7274	7273	7274	-49.9425	14.868	-0.3825	0.5445	-0.756	-915.648	1
7274_7274	7274	7274	-21.1305	-36.873	-0.447	-0.1215	0.045	-572.229	1
7274_7275	7274	7275	-46.893	15.1875	-0.387	0.243	-3.888	-1016.06	1
7275_7275	7275	7275	-130.779	-23.1255	-0.4335	-0.7245	-4.143	-678.596	1
7275_7276	7275	7276	-17.019	-18.159	-0.2235	-0.6285	-4.2525	-435.711	1
7276_7276	7276	7276	-127.89	-13.1895	0.1785	0.3555	-6.105	-676.299	1
7276_7277	7276	7277	-8.115	-15.4785	0.165	0.222	-3.9915	-392.711	1
7277_7277	7277	7277	-130.632	-16.0845	0.1575	0.1215	-4.551	-697.379	1
7277_7278	7277	7278	9.714	-11.937	0.168	0.087	-2.589	-288.374	1
7278_7278	7278	7278	-132.95	-24.0915	0.141	-0.204	-2.4915	-746.82	1
7278_7279	7278	7279	25.3845	-9.8175	0.1665	-0.0375	-1.3695	-221.585	1
7279_7279	7279	7279	-128.813	-18.294	-0.051	0.2955	-1.0095	-743.931	1
7279_7280	7279	7280	29.775	-4.458	0.0345	0.1725	-1.3905	-175.211	1
7280_7280	7280	7280	-131.115	-27.384	-0.0375	-0.204	-1.341	-791.543	1
7280_7281	7280	7281	17.154	0.0555	-0.009	-0.177	2.28	-165.71	1
7281_7281	7281	7281	-109.905	-27.1995	0.1275	0.255	-4.6185	-858.528	1
7281_7282	7281	7282	30.579	0.954	-0.294	-0.0105	4.002	-216.818	1
7282_7282	7282	7282	-109.467	-38.3565	0.1095	-0.33	-2.544	-861.567	1
7282_7283	7282	7283	33.225	1.3845	-0.3525	-0.1755	0.3165	-226.007	1
7283_7283	7283	7283	-112.658	-15.6045	-0.1935	0.354	-0.8685	-801.312	1
7283_7284	7283	7284	34.6635	4.482	-0.315	0.084	-2.6895	-255.662	1
7284_7284	7284	7284	-119.967	-25.038	-0.2085	-0.4875	-3.4335	-818.01	1
7284_7285	7284	7285	21.7545	10.428	-0.33	-0.1665	-4.7235	-305.25	1
7285_7285	7285	7285	-122.609	-19.9605	0.1515	0.354	-6.3405	-785.612	1
7285_7286	7285	7286	7.734	13.6485	-0.0555	0.2745	-4.266	-379.964	1
7286_7286	7286	7286	-128.712	-26.5545	0.195	0.0375	-5.6355	-798.077	1
7286_7287	7286	7287	-7.7655	17.0025	-0.063	0.087	-3.483	-461.402	1
7287_7287	7287	7287	-131.435	-32.268	0.2505	-0.4185	-4.617	-793.719	1
7287_7288	7287	7288	-20.6985	20.3835	-0.0795	-0.2145	-3.1395	-580.314	1
7288_7288	7288	7288	-20.235	-3.5085	-0.1965	0.033	-0.6525	-552.84	1
7288_7289	7288	7289	-50.193	-13.173	-0.102	0.1335	-6.1035	-1004.46	1
7289_7289	7289	7289	-37.6515	-11.715	-0.225	-0.5955	-3.8445	-789.486	1
7289_7290	7289	7290	-52.419	-12.936	-0.102	-0.7665	-7.257	-879.903	1
7290_7290	7290	7290	-53.106	-9.246	0.0135	0.195	-7.041	-927.602	1
7290_7291	7290	7291	-53.022	-9.876	-0.0585	0.1575	-7.752	-817.128	1
7291_7291	7291	7291	-66.228	-14.5845	-0.0045	0.1185	-7.407	-1044.95	1
7291_7292	7291	7292	-51.987	-9.921	-0.0585	0.081	-8.268	-746.078	1
7292_7292	7292	7292	-92.5455	-21.156	-0.021	-0.6345	-5.4525	-1062.83	1
7292_7293	7292	7293	-59.106	-9.7545	-0.0435	-0.402	-5.799	-659.274	1
7293_7293	7293	7293	-96.9735	-9.645	0.0855	0.3555	-5.7315	-1095.11	1
7293_7294	7293	7294	-56.2695	-6.81	0.0435	0.2175	-5.499	-624.929	1
7294_7294	7294	7294	-109.298	6.8715	0.087	0.042	-5.7705	-1223.58	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7294_7295	7294	7295	-52.473	-6.8115	0.042	0.027	-5.1555	-584.219	1
7295_7295	7295	7295	-103.142	-0.1365	0.12	-0.816	-7.7685	-1447.16	1
7295_7296	7295	7296	-42.1155	-6.867	0.063	-0.3585	-7.449	-591.819	1
7296_7296	7296	7296	-109.245	5.3925	0.0885	0.681	-7.0575	-1528.41	1
7296_7297	7296	7297	-38.475	-5.991	0.075	0.2625	-6.6285	-543.389	1
7297_7297	7297	7297	-120.855	-3.444	0.093	-0.5685	-6.1335	-1682.68	1
7297_7298	7297	7298	-34.845	-5.9265	0.0735	-0.1545	-5.871	-493.406	1
7298_7298	7298	7298	-126.687	0.924	0.069	1.1055	-4.9545	-1759.93	1
7298_7299	7298	7299	-31.608	-5.208	0.075	0.324	-5.031	-450.369	1
7299_7299	7299	7299	-134.831	-7.8975	0.0615	-0.8295	-4.0245	-1867.89	1
7299_7300	7299	7300	-27.972	-5.208	0.072	-0.156	-4.1205	-401.993	1
7300_7300	7300	7300	-136.964	-2.9715	0.087	0.9915	-3.057	-1895.81	1
7300_7301	7300	7301	-24.8055	-4.6935	0.075	0.2535	-3.2145	-359.897	1
7301_7301	7301	7301	-142.097	-33.9345	0.0855	-0.8235	-2.1315	-1964.56	1
7301_7302	7301	7302	-21.867	-4.6815	0.072	-0.087	-2.397	-319.713	1
7302_7302	7302	7302	-141.425	-28.263	0.054	1.005	-1.032	-1955.18	1
7302_7303	7302	7303	-18.756	-4.398	0.0645	0.2445	-1.5645	-278.33	1
7303_7303	7303	7303	-144.177	-37.6455	0.045	-1.02	-0.249	-1991.12	1
7303_7304	7303	7304	-16.0635	-4.398	0.063	-0.0585	-0.873	-242.523	1
7304_7304	7304	7304	-140.469	-31.431	0.027	1.0275	0.2745	-1940.84	1
7304_7305	7304	7305	-13.3935	-4.1775	0.036	0.2235	-0.459	-206.987	1
7305_7305	7305	7305	-139.968	-40.206	0.018	-0.852	0.57	-1932.58	1
7305_7306	7305	7306	-10.668	-4.17	0.033	0.009	-0.0645	-169.28	1
7306_7306	7306	7306	-131.78	-36.666	-0.0195	0.984	0.705	-1820.84	1
7306_7307	7306	7307	-8.088	-3.9405	-0.0075	0.198	-0.1605	-134.777	1
7307_7307	7307	7307	-124.538	-46.7715	-0.0225	-0.9135	0.408	-1720.17	1
7307_7308	7307	7308	-5.565	-3.9315	-0.0105	0.0405	-0.2835	-100.127	1
7308_7308	7308	7308	-107.478	-48.2715	0.108	0.7575	0.0915	-1486.76	1
7308_7309	7308	7309	-2.991	-4.0365	0.414	0.159	4.695	-64.344	1
7309_7309	7309	7309	-84.9585	-67.0395	0.09	-0.633	1.221	-1183.2	1
7309_7310	7309	7310	-1.2225	-3.8085	0.294	0.0795	6.7815	-29.868	1
7310_7310	7310	7310	-51.807	-76.029	-0.1335	0.0525	1.7925	-731.085	1
7310_7311	7310	7311	-7.644	25.3185	0.5025	-0.0255	0	-29.7915	1
7400_7020	7400	7020	39.021	-24.771	4.497	-0.039	-4.14	-649.224	1
7400_7401	7400	7401	-52.731	-1.176	-0.906	-0.0615	30.4935	-180.932	1
7401_7401	7401	7401	37.9065	-20.6685	-0.6255	0.969	13.2195	-548.348	1
7401_7402	7401	7402	-55.3905	-0.9885	-2.232	0.771	22.947	-176.931	1
7402_7402	7402	7402	38.391	-19.7535	-0.69	-0.2475	10.7775	-476.229	1
7402_7403	7402	7403	-61.245	-1.9485	-2.2155	-0.1365	-0.135	-152.874	1
7403_7403	7403	7403	34.962	-15.375	-0.0945	0.1305	2.964	-261.537	1
7403_7404	7403	7404	-68.0415	-3.3225	-0.0405	0.147	0.036	-126.944	1
7404_7404	7404	7404	35.31	-14.5575	-0.114	-0.015	2.247	-150.711	1
7404_7405	7404	7405	-76.0605	-3.672	-0.0075	0.0645	0.087	-94.2015	1
7405_7405	7405	7405	38.148	-11.043	-0.099	0.06	1.5375	-46.2525	1
7405_7406	7405	7406	-29.94	9.3705	-0.003	0.0075	-0.681	-142.295	1
7406_7406	7406	7406	46.899	8.418	-1.3905	-0.189	0.678	-24.1245	1
7406_7407	7406	7407	-29.2815	9.3795	-0.0045	-0.003	-0.5145	-220.658	1
7407_7407	7407	7407	60.042	10.8225	-1.425	0.033	-11.8245	-106.055	1
7407_7408	7407	7408	-29.6265	8.9265	-0.051	-0.012	-1.2225	-269.771	1
7408_7408	7408	7408	66.2115	-2.6805	2.7105	-1.2	-20.9055	-167.075	1
7408_7409	7408	7409	-27.1095	14.9175	0.105	-0.0705	-1.149	-314.814	1
7409_7409	7409	7409	63.522	3.144	1.8015	1.098	-13.023	-158.684	1
7409_7410	7409	7410	-27.249	-14.682	0.1815	0.0795	-0.9225	-269.981	1
7410_7410	7410	7410	68.91	-10.6365	0.5745	-0.1395	-6.9825	-169.179	1
7410_7411	7410	7411	-29.5065	-8.5035	0.027	0.0315	-0.7425	-222.326	1
7411_7411	7411	7411	66.051	-9.0525	0.594	-0.093	-4.146	-110.25	1
7411_7412	7411	7412	-32.4765	-7.7685	0.009	-0.051	-0.417	-145.922	1
7412_7412	7412	7412	58.29	-6.4095	0.0075	-0.09	1.0125	-32.1345	1
7412_7413	7412	7413	-73.902	3.4635	0.093	-0.1005	0.45	-81.0405	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7413_7413	7413	7413	38.967	13.845	0.108	-0.0915	1.671	-43.5	1
7413_7414	7413	7414	-84.4635	4.788	0.09	0.051	-0.6825	-109.815	1
7414_7414	7414	7414	34.7715	14.9145	0.1335	-0.021	2.343	-145.092	1
7414_7415	7414	7415	-81.054	3.051	0.0315	0.153	-0.402	-131.046	1
7415_7415	7415	7415	34.824	19.17	0.6735	-0.0675	3.5805	-252.518	1
7415_7416	7415	7416	-80.298	1.4625	-2.8395	-0.114	-31.0245	-145.161	1
7416_7416	7416	7416	35.2785	20.049	0.735	0.027	11.262	-462.054	1
7416_7417	7416	7417	-80.3085	-0.4425	-2.9025	0.7365	-41.1645	-143.609	1
7417_7417	7417	7417	35.094	23.8575	-4.5795	0.033	14.4525	-531.911	1
7417_7036	7417	7036	-77.1525	-0.3525	-0.1815	-0.075	-42.6135	-142.05	1
7420_7056	7420	7056	35.9685	-22.5345	4.764	-0.0165	-7.3095	-570.557	1
7420_7421	7420	7421	-46.2495	-0.0105	-1.062	-0.0615	25.677	-124.812	1
7421_7421	7421	7421	36.156	-18.6855	-0.654	0.4155	11.202	-478.229	1
7421_7422	7421	7422	-47.2365	-0.015	-1.9095	0.483	18.4935	-124.706	1
7422_7422	7422	7422	36.594	-17.8125	-0.675	-0.084	8.8455	-413.067	1
7422_7423	7422	7423	-53.382	-0.7695	-2.0175	-0.051	-2.0535	-114.264	1
7423_7423	7423	7423	35.475	-13.5	-0.021	0.1155	1.35	-218.814	1
7423_7424	7423	7424	-61.077	-1.8105	0.09	0.1275	-0.9675	-99.135	1
7424_7424	7424	7424	35.7855	-12.6555	-0.045	-0.0075	1.1715	-121.412	1
7424_7425	7424	7425	-68.7165	-2.1465	0.1365	0.072	0.0225	-78.2775	1
7425_7425	7425	7425	36.9435	-9.4155	-0.063	0.051	0.8655	-30.261	1
7425_7426	7425	7426	-31.404	8.313	-0.021	0.006	-0.6345	-126.444	1
7426_7426	7426	7426	48.09	6.5055	-0.123	0.111	0.573	-21.9585	1
7426_7427	7426	7427	-31.122	7.698	0.021	0.06	-0.2025	-192.26	1
7427_7427	7427	7427	60.5625	8.6475	0.066	0.045	1.401	-84.6855	1
7427_7428	7427	7428	-31.212	7.2165	0.006	-0.0975	-0.5355	-232.343	1
7428_7428	7428	7428	60.9615	-4.1355	-1.9095	-0.3075	2.811	-133.317	1
7428_7429	7428	7429	-29.2215	13.734	-0.006	-0.09	-0.9885	-273.854	1
7429_7429	7429	7429	58.08	3.057	-2.0325	0.474	-3.4875	-121.509	1
7429_7430	7429	7430	-29.214	-13.6125	-0.0165	0.078	-1.095	-232.668	1
7430_7430	7430	7430	57.699	-9.096	0.7065	0.1245	-8.622	-131.219	1
7430_7431	7430	7431	-31.2585	-7.062	0.0165	0.159	-0.9105	-192.606	1
7431_7431	7431	7431	55.17	-7.794	0.642	0.1065	-4.836	-81.18	1
7431_7432	7431	7432	-32.4795	-6.936	0.0105	-0.1095	-0.3615	-126.83	1
7432_7432	7432	7432	47.4375	-4.575	-0.0105	-0.0825	1.02	-20.0325	1
7432_7433	7432	7433	-70.4055	4.713	0.099	-0.108	0.366	-79.245	1
7433_7433	7433	7433	36.7425	12.5625	0.0375	-0.0105	0.897	-29.793	1
7433_7434	7433	7434	-61.9005	3.4965	-0.147	-0.0885	-1.005	-101.906	1
7434_7434	7434	7434	35.7255	13.4445	0.0225	-0.102	1.191	-120.438	1
7434_7435	7434	7435	-57.183	2.412	-0.1155	-0.1185	-1.833	-118.479	1
7435_7435	7435	7435	36.0375	17.721	0.6915	0.1575	1.4505	-217.377	1
7435_7436	7435	7436	-47.847	1.3005	2.1375	0.0825	21.1515	-130.823	1
7436_7436	7436	7436	36.444	18.633	0.6735	-0.678	9.477	-411.168	1
7436_7437	7436	7437	-44.934	0.3585	2.127	-0.597	27.774	-131.517	1
7437_7437	7437	7437	36.255	22.5705	-4.6335	0.0285	12.5805	-476.099	1
7437_7072	7437	7072	-45.0435	0.303	0.8145	0.0765	32.1705	-132.765	1
7440_7094	7440	7094	39.2835	-22.509	4.5945	-0.048	-6.264	-553.122	1
7440_7441	7440	7441	-43.2435	-0.216	-0.972	-0.066	19.083	-124.112	1
7441_7441	7441	7441	36.2805	-18.2565	-0.6585	0.282	10.5825	-461.864	1
7441_7442	7441	7442	-45.012	-0.1485	-1.47	0.3765	13.875	-123.443	1
7442_7442	7442	7442	36.7125	-17.373	-0.6675	-0.021	8.2575	-398.144	1
7442_7443	7442	7443	-51.8775	-0.786	-1.6185	0.0045	-2.1795	-111.848	1
7443_7443	7443	7443	35.586	-13.0305	-0.012	0.06	0.831	-208.703	1
7443_7444	7443	7444	-57.243	-1.9515	0.129	0.096	-0.84	-96.345	1
7444_7444	7444	7444	35.8845	-12.183	-0.003	0.075	0.7545	-114.747	1
7444_7445	7444	7445	-64.9815	-2.2035	0.1125	0.138	-0.0105	-75.48	1
7445_7445	7445	7445	37.107	-8.9835	-0.0615	0.0645	0.7485	-27.0225	1
7445_7446	7445	7446	-31.164	7.9515	-0.009	0.0045	-0.414	-122.096	1
7446_7446	7446	7446	44.448	6.144	-0.2445	0.153	0.669	-20.826	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7446_7447	7446	7447	-31.1355	7.2885	-0.0825	0.1395	-0.885	-184.497	1
7447_7447	7447	7447	57.327	8.211	-0.1695	0.0195	0.048	-80.676	1
7447_7448	7447	7448	-31.287	6.8025	-0.0465	-0.2415	-1.5	-222.281	1
7448_7448	7448	7448	58.0785	-3.9615	-1.944	-0.858	0.0495	-126.689	1
7448_7449	7448	7449	-29.43	13.3335	0.0375	-0.207	-1.548	-262.502	1
7449_7449	7449	7449	53.802	2.715	-2.0475	1.0485	-6.345	-115.578	1
7449_7450	7449	7450	-29.4465	-13.269	-0.0195	0.204	-1.5945	-222.311	1
7450_7450	7450	7450	55.41	-8.751	0.8595	0.0435	-11.1615	-124.701	1
7450_7451	7450	7451	-31.41	-6.6615	0.0615	-0.045	-0.6105	-184.482	1
7451_7451	7451	7451	54.6525	-6.7935	-0.1335	-0.123	1.539	-78.3645	1
7451_7452	7451	7452	-32.7585	-6.561	-0.0375	0.006	-0.3075	-122.277	1
7452_7452	7452	7452	46.497	-4.5915	0.03	-0.0945	0.351	-20.2965	1
7452_7453	7452	7453	-68.3895	4.563	0.144	-0.1335	0.465	-78.5865	1
7453_7453	7453	7453	-16.8645	2.016	-0.066	-0.0525	0.081	-28.686	1
7453_7454	7453	7454	-59.8725	3.3915	-0.1455	-0.126	-0.972	-100.32	1
7454_7454	7454	7454	34.8465	12.981	0.0105	-0.0915	0.792	-115.254	1
7454_7455	7454	7455	-55.0395	2.3625	-0.1305	-0.126	-1.899	-116.279	1
7455_7455	7455	7455	35.094	17.2725	0.621	0.075	1.005	-208.842	1
7455_7456	7455	7456	-47.7855	1.1835	1.6095	0.0075	15.306	-127.601	1
7456_7456	7456	7456	35.466	18.1455	0.615	-0.4515	8.0865	-397.806	1
7456_7457	7456	7457	-45.3495	0.246	1.593	-0.444	20.322	-128.132	1
7457_7457	7457	7457	35.3025	22.149	-4.6155	0.0285	10.983	-460.926	1
7457_7110	7457	7110	-43.3365	0.267	1.014	0.072	24.6165	-128.838	1
7460_7132	7460	7132	41.9505	-25.0185	3.273	-0.0495	-4.131	-589.058	1
7460_7461	7460	7461	-28.4925	-0.5475	-0.225	-0.0255	12.351	-116.555	1
7461_7461	7461	7461	37.599	-18.6225	-0.6735	-0.1035	9.897	-467.579	1
7461_7462	7461	7462	-80.13	2.511	1.5915	-0.435	-14.943	-112.979	1
7462_7462	7462	7462	38.0355	-17.715	-0.6435	0.084	7.65	-402.621	1
7462_7463	7462	7463	-89.043	0.987	1.5705	0.0285	1.6395	-121.097	1
7463_7463	7463	7463	37.872	-13.569	-0.045	-0.0135	0.849	-209.621	1
7463_7464	7463	7464	-91.215	-0.753	-0.1215	-0.1605	0.7935	-114.297	1
7464_7464	7464	7464	38.1825	-12.6675	0.003	0.1335	0.579	-111.824	1
7464_7465	7464	7465	-98.5995	-2.463	-0.249	-0.0195	-0.972	-94.947	1
7465_7465	7465	7465	-26.328	-2.4945	-0.021	-0.0225	-0.2205	-33.7515	1
7465_7466	7465	7466	-28.4025	9.4905	0.015	-0.021	-0.1695	-125.337	1
7466_7466	7466	7466	26.6985	6.1335	-0.036	-0.1065	0.3045	-48.5895	1
7466_7467	7466	7467	-30.6495	8.3085	0.0225	-0.0825	0.048	-198.725	1
7467_7467	7467	7467	34.9845	7.4715	0.0675	-0.0285	0.5775	-106.464	1
7467_7468	7467	7468	-32.148	7.689	0.0135	0.093	0.348	-241.385	1
7468_7468	7468	7468	39.8715	-0.639	0.4605	-0.2685	1.296	-148.751	1
7468_7469	7468	7469	-31.3515	14.706	0.15	0.018	1.0185	-285.405	1
7469_7469	7469	7469	50.007	1.1535	-0.7155	0.555	1.671	-165.782	1
7469_7470	7469	7470	-31.2825	-14.967	-0.252	0.0075	0.534	-244.205	1
7470_7470	7470	7470	50.001	-9.486	0.0435	0.087	-0.321	-169.776	1
7470_7471	7470	7471	-33.0105	-7.965	-0.039	0.0045	0.0975	-199.94	1
7471_7471	7471	7471	47.9205	-8.3355	0.072	0.1095	-0.228	-117.363	1
7471_7472	7471	7472	-30.729	-8.4285	-0.0195	0.0315	-0.294	-123.831	1
7472_7472	7472	7472	39.246	-6.3585	-0.063	0.0915	0.654	-44.9625	1
7472_7473	7472	7473	-87.8685	3.732	-0.0135	0.087	-0.771	-86.604	1
7473_7473	7473	7473	-26.1615	0.933	0.0465	0.048	-0.2235	-33.423	1
7473_7474	7473	7474	-88.7475	1.818	0.0705	0.147	-0.237	-99	1
7474_7474	7474	7474	36.606	14.355	0.006	-0.159	0.861	-126.59	1
7474_7475	7474	7475	-48.396	3.8895	-0.051	-0.147	-1.1445	-117.641	1
7475_7475	7475	7475	35.8575	18.7245	0.552	-0.015	0.846	-230.022	1
7475_7476	7475	7476	-43.809	2.7345	1.1265	-0.0165	10.8375	-146.523	1
7476_7476	7476	7476	36.348	19.68	0.573	-0.096	6.9975	-435.162	1
7476_7477	7476	7477	-42.1695	1.797	1.0845	-0.2385	14.262	-152.663	1
7477_7477	7477	7477	39.9075	24.078	-4.617	0.039	10.635	-504.233	1
7477_7148	7477	7148	-41.268	1.773	0.1065	0.045	15.1065	-159.767	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7480_7168	7480	7168	43.077	-24.6735	4.2225	-0.03	-6.6765	-620.895	1
7480_7481	7480	7481	-35.949	-1.215	-0.3165	-0.0405	13.233	-119.795	1
7481_7481	7481	7481	39.3	-20.3265	-0.603	-0.75	8.58	-520.014	1
7481_7482	7481	7482	-38.7735	-1.098	-0.9405	0.006	9.897	-115.907	1
7482_7482	7482	7482	39.7785	-19.377	-0.513	0.2835	6.804	-449.109	1
7482_7483	7482	7483	-92.1735	1.7685	1.1325	0.06	1.335	-109.382	1
7483_7483	7483	7483	39.477	-14.9085	-0.042	0.0615	1.1865	-237.782	1
7483_7484	7483	7484	-94.0215	0.1095	-0.132	-0.069	0.2565	-108.326	1
7484_7484	7484	7484	39.813	-13.986	-0.0405	0.0465	0.8835	-130.341	1
7484_7485	7484	7485	-101.706	-1.488	-0.126	-0.0735	-0.723	-94.515	1
7485_7485	7485	7485	-29.0415	-2.0895	-0.0165	-0.012	-0.189	-39.096	1
7485_7486	7485	7486	-30.5325	10.3125	0.0225	-0.018	-0.0885	-131.816	1
7486_7486	7486	7486	37.5165	6.8235	-0.1125	-0.114	0.447	-39.5355	1
7486_7487	7486	7487	-34.077	9.102	0.0135	-0.09	0.021	-211.725	1
7487_7487	7487	7487	45.879	8.355	-0.003	-0.0225	-0.006	-103.668	1
7487_7488	7487	7488	-34.257	8.4	-0.0135	0.105	0.03	-258.405	1
7488_7488	7488	7488	50.277	-2.0235	0.657	-0.4425	0.1875	-150.72	1
7488_7489	7488	7489	-33.399	15.9	0.2625	-0.0555	0.987	-306.363	1
7489_7489	7489	7489	41.517	0.4305	-0.852	0.444	2.316	-160.139	1
7489_7490	7489	7490	-34.4355	-16.1145	-0.276	0.06	0.1215	-260.745	1
7490_7490	7490	7490	43.977	-8.5575	0.0255	0.153	0.144	-162.72	1
7490_7491	7490	7491	-35.3895	-8.3985	-0.021	0.1395	-0.315	-214.04	1
7491_7491	7491	7491	39.393	-7.404	0.0195	0.036	0.0465	-115.697	1
7491_7492	7491	7492	-33.108	-8.9715	0.03	-0.06	-0.135	-133.379	1
7492_7492	7492	7492	29.877	-5.5995	-0.045	0.0645	0.459	-51.717	1
7492_7493	7492	7493	-99.096	3.795	-0.042	0.0825	-0.981	-93.726	1
7493_7493	7493	7493	41.3295	14.2005	0.0105	-0.129	0.7065	-28.056	1
7493_7494	7493	7494	-95.9745	1.9185	0.2205	0.0075	0.702	-105.033	1
7494_7494	7494	7494	40.989	15.1575	0.06	0.03	0.723	-130.46	1
7494_7495	7494	7495	-88.7415	0.1215	0.099	0.129	1.398	-103.907	1
7495_7495	7495	7495	40.2735	19.584	0.414	-0.0165	1.197	-239.682	1
7495_7496	7495	7496	-35.292	2.688	0.831	-0.012	7.866	-124.109	1
7496_7496	7496	7496	40.8705	20.6475	0.4365	-0.066	5.8455	-454.122	1
7496_7497	7496	7497	-35.343	1.8405	0.8235	-0.1755	10.728	-130.529	1
7497_7497	7497	7497	44.8725	24.9255	-4.029	0.0465	8.844	-526.344	1
7497_7184	7497	7184	-32.502	1.965	0.5865	0.036	12.7305	-138.552	1
7500_7204	7500	7204	41.178	-24.801	3.7755	-0.051	-8.3715	-652.635	1
7500_7501	7500	7501	-85.7955	1.617	-0.3855	0.0615	-19.8645	-126.912	1
7501_7501	7501	7501	41.382	-21	-0.3105	0.2235	6.7635	-551.078	1
7501_7502	7501	7502	-85.6965	1.4325	1.3725	-0.3225	-14.295	-131.912	1
7502_7502	7502	7502	40.8615	-19.9725	-0.3	-0.0105	5.4615	-477.968	1
7502_7503	7502	7503	-97.9875	0.0675	1.4445	-0.006	0.672	-128.496	1
7503_7503	7503	7503	40.158	-15.6675	-0.051	0.18	2.073	-259.853	1
7503_7504	7503	7504	-93.426	-1.968	-0.141	-0.0285	-0.432	-113.514	1
7504_7504	7504	7504	40.512	-14.73	-0.099	-0.057	1.635	-146.931	1
7504_7505	7504	7505	-101.118	-3.4995	0.006	-0.171	-0.609	-85.62	1
7505_7505	7505	7505	41.2815	-11.331	-0.0615	0.0525	0.9435	-40.8255	1
7505_7506	7505	7506	-33.861	9.6225	0	0.0195	-0.2325	-153.437	1
7506_7506	7506	7506	52.224	7.2435	-0.561	0.0225	1.1745	-21.6735	1
7506_7507	7506	7507	-32.6145	9.5775	-0.06	-0.0765	-0.6585	-235.218	1
7507_7507	7507	7507	72.1995	10.386	-0.2895	0.1875	-2.019	-95.529	1
7507_7508	7507	7508	-32.916	9.1845	-0.108	0.147	-1.3515	-285.234	1
7508_7508	7508	7508	71.271	-4.6425	-1.914	-1.41	-3.1455	-153.701	1
7508_7509	7508	7509	-30.384	15.8415	-0.096	-0.237	-1.959	-333.116	1
7509_7509	7509	7509	68.7795	3.945	-2.2665	1.5195	-9.1935	-140.408	1
7509_7510	7509	7510	-30.408	-15.951	-0.204	0.2385	-2.577	-284.901	1
7510_7510	7510	7510	67.209	-10.4205	1.1565	0.0525	-15.0885	-152.745	1
7510_7511	7510	7511	-33.1755	-9.1575	0.0915	0.126	-1.4205	-233.589	1
7511_7511	7511	7511	65.067	-8.928	1.0995	0.1425	-8.7075	-95.2815	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7511_7512	7511	7512	-35.0625	-8.52	-0.0465	-0.0915	-0.4365	-150.815	1
7512_7512	7512	7512	45.939	-5.769	-0.0975	0.09	1.2195	-20.1675	1
7512_7513	7512	7513	-79.3185	5.2695	0.111	-0.1035	0.348	-87.495	1
7513_7513	7513	7513	43.2585	15.018	0.027	-0.0465	1.1685	-45.3945	1
7513_7514	7513	7514	-70.548	3.87	-0.027	-0.0885	-0.1635	-112.488	1
7514_7514	7514	7514	39.7995	16.1265	0.027	-0.0795	1.3455	-154.79	1
7514_7515	7514	7515	-65.391	2.6805	-0.027	-0.0885	-0.3915	-130.826	1
7515_7515	7515	7515	39.912	20.334	0.177	0.5835	1.737	-271.017	1
7515_7516	7515	7516	-54.681	1.3845	0.873	0.1545	8.8635	-143.556	1
7516_7516	7516	7516	40.3575	21.3525	0.0345	-1.785	4.4715	-493.539	1
7516_7517	7516	7517	-52.791	0.1995	1.0935	-0.711	12.5775	-143.844	1
7517_7517	7517	7517	40.1685	25.131	-3.516	-0.1275	7.011	-567.998	1
7517_7220	7517	7220	-52.8375	0.2415	1.128	0.054	17.9475	-144.788	1
7520_7240	7520	7240	57.7455	-16.4805	8.9715	1.0455	-2.139	-679.073	1
7520_7521	7520	7521	-87.4095	-13.89	-2.148	0.0855	-26.1765	-119.678	1
7521_7521	7521	7521	55.983	-23.613	-0.606	1.344	18.5175	-639.585	1
7521_7522	7521	7522	-92.541	2.2185	1.686	-0.246	-19.6215	-125.489	1
7522_7522	7522	7522	56.5305	-22.2675	-0.708	-0.192	16.098	-557.244	1
7522_7523	7522	7523	-104.049	0.807	2.0205	-0.027	0.7695	-128.415	1
7523_7523	7523	7523	54.7095	-18.2145	-0.3585	0.3075	7.7985	-313.959	1
7523_7524	7523	7524	-99.135	-1.3995	-0.1335	0.0555	0.186	-117.011	1
7524_7524	7524	7524	56.2815	-16.884	-0.456	-0.1635	5.124	-182.679	1
7524_7525	7524	7525	-106.878	-3.057	0.0855	-0.171	0.594	-92.4315	1
7525_7525	7525	7525	56.451	-13.206	-0.24	0.0135	1.572	-61.053	1
7525_7526	7525	7526	-48.5205	11.0055	0.234	0.06	3.1065	-169.118	1
7526_7526	7526	7526	47.514	6.4965	-1.752	0.0615	0.327	-15.7515	1
7526_7527	7526	7527	-46.3815	10.965	-0.351	0.3435	-0.3015	-259.832	1
7527_7527	7527	7527	74.271	10.5405	-2.1375	0.1965	-16.683	-89.7885	1
7527_7528	7527	7528	-46.6005	10.2285	-0.1515	-0.351	-0.738	-315.833	1
7528_7528	7528	7528	76.092	-5.526	0.3315	-3.171	-29.253	-149.621	1
7528_7529	7528	7529	-43.1955	19.6995	-0.3435	-0.0285	-1.8525	-375.132	1
7529_7529	7529	7529	71.9475	4.38	-1.56	3.519	-28.341	-135.786	1
7529_7530	7529	7530	-43.149	-19.3485	-0.456	0.276	-3.282	-316.887	1
7530_7530	7530	7530	70.422	-10.332	2.328	0.0405	-32.559	-148.778	1
7530_7531	7530	7531	-46.266	-9.69	-0.306	0.582	-3.1395	-262.211	1
7531_7531	7531	7531	66.873	-8.7045	2.0715	0.138	-19.506	-92.3475	1
7531_7532	7531	7532	-46.716	-9.507	-0.498	-0.2655	-4.233	-172.091	1
7532_7532	7532	7532	46.869	-5.6415	0.189	0.0705	-0.9015	-19.5705	1
7532_7533	7532	7533	-83.7735	4.443	-0.1635	-0.051	-2.5395	-90.4845	1
7533_7533	7533	7533	61.4595	16.368	-0.21	0.177	-0.549	-45.525	1
7533_7534	7533	7534	-73.257	3.543	-0.135	0.045	-3.5955	-111.572	1
7534_7534	7534	7534	56.5545	17.913	-0.33	-0.135	-1.932	-164.975	1
7534_7535	7534	7535	-67.413	2.4225	0.009	-0.12	-3.405	-127.784	1
7535_7535	7535	7535	56.46	22.0785	0.1905	0.4755	-4.185	-293.826	1
7535_7536	7535	7536	-54.831	1.221	-0.1845	0.0435	-5.5995	-137.967	1
7536_7536	7536	7536	56.025	23.4195	0.051	-0.987	-1.68	-535.113	1
7536_7537	7536	7537	-53.418	0.0135	-0.0285	-0.213	-5.526	-137.691	1
7537_7537	7537	7537	55.8915	26.445	-0.1035	-0.117	-1.0275	-616.44	1
7537_7253	7537	7253	-51.393	0.3105	2.094	1.4865	2.949	-138.353	1
7540_7275	7540	7275	58.9995	-23.9325	0.1035	0.4035	-3.375	-696.942	1
7540_7541	7540	7541	-86.6055	1.722	2.124	0.786	-1.098	-127.938	1
7541_7541	7541	7541	58.857	-22.0335	0.882	1.1805	-2.9025	-598.836	1
7541_7542	7541	7542	-90.3105	1.9425	-0.0165	0.246	1.086	-134.676	1
7542_7542	7542	7542	59.3865	-20.5695	0.768	0.0675	-0.114	-521.801	1
7542_7543	7542	7543	-105.386	0.8055	-0.093	-0.0885	3.5865	-136.515	1
7543_7543	7543	7543	56.919	-17.226	-0.237	0.432	7.5975	-296.936	1
7543_7544	7543	7544	-100.536	-1.71	-0.396	0.132	1.542	-122.748	1
7544_7544	7544	7544	59.409	-15.783	-0.375	-0.1875	5.8125	-172.916	1
7544_7545	7544	7545	-108.155	-3.4545	-0.111	-0.249	0.6285	-95.67	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
7545_7545	7545	7545	58.152	-12.792	-0.495	-0.024	2.676	-59.055	1
7545_7546	7545	7546	-52.434	10.1415	0.336	0.168	6.15	-175.328	1
7546_7546	7546	7546	50.85	7.5765	-2.478	0.096	-0.3525	-20.9235	1
7546_7547	7546	7547	-48.927	10.362	-0.702	0.5175	-0.315	-259.244	1
7547_7547	7547	7547	79.308	11.838	-3.228	0.3555	-26.9385	-103.553	1
7547_7548	7547	7548	-48.5145	9.804	-0.264	-0.3195	0.4005	-312.324	1
7548_7548	7548	7548	76.3065	-5.0955	1.347	-5.568	-46.4685	-168.915	1
7548_7549	7548	7549	-45.555	19.794	-0.9915	0.1575	-2.469	-372.155	1
7549_7549	7549	7549	71.484	2.892	-1.944	6.2565	-41.9505	-158.754	1
7549_7550	7549	7550	-45.276	-19.953	-1.0035	0.084	-2.139	-311.931	1
7550_7550	7550	7550	68.787	-11.7165	3.261	-0.141	-48.09	-166.71	1
7550_7551	7550	7551	-48.3375	-9.1725	-0.756	0.5295	-2.0235	-257.228	1
7551_7551	7551	7551	64.926	-9.8835	3.0195	0.3135	-29.034	-101.546	1
7551_7552	7551	7552	-48.9195	-8.6325	-1.3245	-0.087	-7.044	-175.488	1
7552_7552	7552	7552	39.63	-6.276	0.447	0.0735	-3.0015	-24.102	1
7552_7553	7552	7553	-84.759	4.824	-0.414	-0.006	-5.136	-108.248	1
7553_7553	7553	7553	68.538	17.199	-0.5805	0.1305	-1.713	-55.9845	1
7553_7554	7553	7554	-74.2935	4.371	-0.3945	0.0135	-7.9275	-132.536	1
7554_7554	7554	7554	64.143	18.972	-0.6585	0.0285	-5.562	-177.486	1
7554_7555	7554	7555	-68.3175	3.1395	-0.312	0.021	-9.9525	-152.717	1
7555_7555	7555	7555	64.209	23.0715	-0.117	0.3225	-10.155	-310.763	1
7555_7556	7555	7556	-56.1285	1.776	0.5715	0.0405	-3.939	-168.479	1
7556_7556	7556	7556	67.785	25.1385	-0.168	0.402	-11.835	-557.579	1
7556_7557	7556	7557	-52.938	0.4905	0.636	0.0615	-1.155	-169.878	1
7557_7557	7557	7557	67.9635	22.335	4.209	0.336	-11.8395	-642.509	1
7557_7288	7557	7288	-55.3545	5.856	8.1	0.7995	32.406	-193.733	1
47000_7000	47000	7000	-0.8925	-4.8555	1.1055	0.924	0	-7.419	1
47000_7001	47000	7001	0.585	5.133	-1.545	-1.0755	-16.23	-48.291	1
47001_7001	47001	7001	1.254	25.6515	-0.5655	-0.483	-5.934	-840.008	1
47001_7002	47001	7002	0.648	5.1675	-1.503	-1.071	-29.9205	-96.807	1
47002_7002	47002	7002	1.5795	20.7675	0.495	0.12	-14.9955	-1359.96	1
47002_7003	47002	7003	0.669	5.3805	0.4635	-1.2405	-24.0975	-161.945	1
47003_7003	47003	7003	1.7325	0.5355	0.5565	-1.572	-10.299	-1877.65	1
47003_7004	47003	7004	0.6705	5.3805	0.462	-1.3905	-18.4935	-227.139	1
47004_7004	47004	7004	1.9605	1.635	-0.024	1.338	-4.8495	-2168.39	1
47004_7005	47004	7005	0.6675	5.31	-0.111	-0.903	-19.839	-291.41	1
47005_7005	47005	7005	2.0985	-9.8445	-0.0195	-2.8515	-6.585	-2422.46	1
47005_7006	47005	7006	0.6675	5.31	-0.1125	-1.4115	-21.201	-355.715	1
47006_7006	47006	7006	2.1705	-3.8595	-0.1335	1.3365	-8.244	-2503.35	1
47006_7007	47006	7007	0.708	5.403	-0.3375	-0.687	-25.1505	-421.11	1
47007_7007	47007	7007	2.1975	-14.4225	-0.1455	-3.2415	-11.529	-2637.45	1
47007_7008	47007	7008	0.7335	5.4045	-0.3375	-1.419	-29.133	-486.594	1
47008_7008	47008	7008	2.1975	-7.356	-0.3225	1.434	-15.1095	-2629.11	1
47008_7009	47008	7009	0.7335	5.49	-0.366	-0.363	-33.564	-553.061	1
47009_7009	47009	7009	2.181	-17.748	-0.33	-3.219	-20.9445	-2695.53	1
47009_7010	47009	7010	0.732	5.49	-0.3675	-1.326	-38.0145	-619.563	1
47010_7010	47010	7010	2.157	-11.0025	-0.2625	1.425	-26.727	-2627.21	1
47010_7011	47010	7011	0.732	5.634	-0.36	-0.0195	-42.3705	-687.825	1
47011_7011	47011	7011	2.178	-42.735	-0.264	-2.715	-28.206	-2632.07	1
47011_7012	47011	7012	0.732	5.634	-0.3615	-1.146	-46.74	-756.065	1
47012_7012	47012	7012	2.154	-36.951	-0.5565	1.572	-33.1935	-2517.5	1
47012_7013	47012	7013	0.7305	5.9235	-0.366	0.4515	-51.1755	-827.799	1
47013_7013	47013	7013	2.127	-47.2485	-0.552	-2.4195	-41.427	-2468.28	1
47013_7014	47013	7014	0.7305	5.9235	-0.3675	-0.9885	-55.6275	-899.571	1
47014_7014	47014	7014	2.097	-44.9055	-0.3765	0.5595	-48.7425	-2280.01	1
47014_7015	47014	7015	0.7515	6.2265	-0.4005	0.285	-61.722	-998.124	1
47015_7015	47015	7015	2.5425	-57.2175	-0.456	-1.0395	-55.6635	-2060.85	1
47015_7016	47015	7016	0.696	6.2325	-0.4005	-0.1575	-65.0385	-1049.18	1
47016_7016	47016	7016	3.312	-51.738	0.06	1.023	-59.298	-1861.95	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47016_7017	47016	7017	0.5865	7.4715	-0.2085	0.7815	-66.897	-1136.45	1
47017_7017	47017	7017	3.6105	-40.9935	0.147	-0.4275	-51.063	-1640.33	1
47017_7018	47017	7018	0.4185	7.5405	-0.2085	0.273	-69.249	-1236.1	1
47018_7018	47018	7018	4.755	-45.9285	-0.0915	0.888	-44.9145	-1263.92	1
47018_7019	47018	7019	0.1755	8.226	-0.045	1.692	-69.8115	-1339.23	1
47019_7019	47019	7019	6.6585	-55.287	0.0555	0.033	-40.395	-869.963	1
47019_7020	47019	7020	-0.0225	8.394	-0.048	0.321	-69.3495	-1443.6	1
47020_7020	47020	7020	-70.041	-1.4595	0.216	1.284	-56.691	-666.794	1
47020_7021	47020	7021	26.5845	-24.1905	1.1865	0.999	-34.647	-643.83	1
47021_7021	47021	7021	-60.3525	-7.4025	0.072	0.7785	-47.64	-853.887	1
47021_7022	47021	7022	38.4	-16.6425	1.236	0.513	-38.349	-471.786	1
47022_7022	47022	7022	-52.74	-13.3545	-0.018	-0.444	-42.1245	-979.394	1
47022_7023	47022	7023	67.647	-3.345	1.3875	0.4875	-70.4325	-379.319	1
47023_7023	47023	7023	-44.8455	-13.5	0.6495	1.425	-38.1885	-1074.45	1
47023_7024	47023	7024	65.2725	-2.907	1.701	1.6725	-57.039	-355.865	1
47024_7024	47024	7024	-37.419	-20.1825	0.582	0.1485	-29.3385	-1181.73	1
47024_7025	47024	7025	62.898	-2.805	1.6155	1.2645	-44.1525	-333.311	1
47025_7025	47025	7025	-30.843	-27.5955	0.4605	0.0675	-21.7275	-1242.84	1
47025_7026	47025	7026	61.9515	-2.772	1.608	1.2585	-31.308	-311.022	1
47026_7026	47026	7026	-25.8735	-24.435	0.501	1.275	-15.7755	-1257.88	1
47026_7027	47026	7027	59.967	-2.1195	1.6635	1.7265	-21.432	-298.275	1
47027_7027	47027	7027	-23.0385	-30.087	0.3735	1.503	-11.667	-1299.82	1
47027_7028	47027	7028	59.967	-2.1195	1.674	1.779	-11.394	-285.572	1
47028_7028	47028	7028	-21.1005	-36.1635	0.282	-0.8655	-9.015	-1314.93	1
47028_7029	47028	7029	59.9685	-2.1195	1.5645	1.2555	-2.0025	-272.855	1
47029_7029	47029	7029	-19.8315	-42.432	0.1455	-0.9135	-7.698	-1291.57	1
47029_7030	47029	7030	59.9685	-2.1195	1.5645	1.2555	7.389	-260.133	1
47030_7030	47030	7030	-23.5695	-19.626	-0.2985	0.171	-11.634	-1242.85	1
47030_7031	47030	7031	59.9715	-1.089	1.497	1.62	19.353	-251.43	1
47031_7031	47031	7031	-27.4215	-27.669	-0.432	-0.0945	-16.032	-1222.7	1
47031_7032	47031	7032	84.0585	3.2265	-1.5525	-1.3425	-34.311	-268.182	1
47032_7032	47032	7032	-32.5785	-35.091	-0.5175	-1.6035	-22.1925	-1156.51	1
47032_7033	47032	7033	58.866	12.7215	-1.098	-1.209	-28.1595	-323.091	1
47033_7033	47033	7033	-38.4015	-35.22	0.1215	-0.8115	-29.676	-1044.45	1
47033_7034	47033	7034	37.4085	19.6215	-1.2555	-0.4095	-27.162	-445.718	1
47034_7034	47034	7034	-44.6205	-41.868	-0.123	0.2475	-33.2085	-945.131	1
47034_7035	47034	7035	26.0445	27.4005	-1.1385	0.318	-26.859	-622.143	1
47035_7035	47035	7035	-50.595	-47.841	-0.2025	-1.3995	-39.6615	-802.094	1
47035_7036	47035	7036	20.223	38.2545	-1.0605	-0.978	-25.7865	-933.981	1
47036_7036	47036	7036	-7.7025	-6.102	0.102	0.939	-4.6095	-371.985	1
47036_7037	47036	7037	18.2175	-10.8945	-0.1185	-1.1655	-42.3915	-1186.21	1
47037_7037	47037	7037	15.0615	-0.6195	-0.123	-0.567	-27.579	-772.428	1
47037_7038	47037	7038	18.4965	-10.4145	-0.1335	-0.9975	-44.0055	-1055.67	1
47038_7038	47038	7038	19.587	-4.857	-0.1995	0.126	-31.6275	-1119.6	1
47038_7039	47038	7039	18.801	-9.0315	0.1275	-0.267	-42.306	-935.834	1
47039_7039	47039	7039	23.9535	-15.132	-0.306	-1.8075	-37.518	-1432.13	1
47039_7040	47039	7040	18.84	-8.5275	0.09	-1.248	-41.3805	-833.318	1
47040_7040	47040	7040	27.036	-13.788	0.1935	1.3275	-43.2615	-1584.36	1
47040_7041	47040	7041	18.99	-7.173	0.147	0.387	-40.1865	-774.176	1
47041_7041	47041	7041	28.4085	-21.7275	0.0825	-1.353	-43.173	-1705.29	1
47041_7042	47041	7042	18.69	-6.972	0.114	-0.753	-38.6325	-661.232	1
47042_7042	47042	7042	29.019	-18.8565	0.375	1.215	-44.751	-1801.65	1
47042_7043	47042	7043	18.69	-6.2175	0.2445	0.474	-35.7285	-587.256	1
47043_7043	47043	7043	28.3635	-29.3145	0.2985	-1.836	-41.928	-1928.6	1
47043_7044	47043	7044	18.69	-6.2175	0.213	-0.5085	-33.195	-513.279	1
47044_7044	47044	7044	26.9625	-23.5395	0.1275	0.723	-39.816	-1941.89	1
47044_7045	47044	7045	18.69	-5.9325	0.162	0.483	-31.269	-442.634	1
47045_7045	47045	7045	25.443	-34.3575	0.084	-0.7965	-39.3225	-2029.98	1
47045_7046	47045	7046	6.576	6.3765	-0.2715	-0.804	-32.2965	-399.167	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47046_7046	47046	7046	22.362	-8.748	-0.09	1.557	-39.3405	-1990.05	1
47046_7047	47046	7047	6.576	6.432	-0.2775	-0.0585	-35.5995	-475.745	1
47047_7047	47047	7047	22.221	-20.391	-0.1575	-1.8525	-40.155	-2037.72	1
47047_7048	47047	7048	6.5745	6.432	-0.288	-0.855	-39.0315	-552.311	1
47048_7048	47048	7048	22.3455	-13.9305	-0.2685	0.9645	-41.574	-1954.07	1
47048_7049	47048	7049	6.5745	6.558	-0.291	0.1665	-42.492	-630.36	1
47049_7049	47049	7049	22.56	-25.611	-0.3315	-0.7245	-44.1015	-1942.49	1
47049_7050	47049	7050	6.5745	6.558	-0.297	-0.3615	-46.0185	-708.401	1
47050_7050	47050	7050	22.323	-20.2965	-0.147	1.167	-46.6725	-1815.81	1
47050_7051	47050	7051	7.035	6.9945	-0.3255	0.657	-50.775	-815.883	1
47051_7051	47051	7051	21.33	-34.497	-0.2775	-1.35	-47.352	-1721.08	1
47051_7052	47051	7052	6.9765	7.053	-0.3375	-0.3165	-53.559	-874.745	1
47052_7052	47052	7052	20.448	-28.9725	0.372	1.6005	-48.3795	-1589.79	1
47052_7053	47052	7053	6.84	7.9965	-0.087	1.194	-54.561	-968.775	1
47053_7053	47053	7053	19.0935	-39.246	0.3255	-0.3045	-41.8065	-1450.48	1
47053_7054	47053	7054	6.9555	8.232	-0.099	0.396	-55.4895	-1080.2	1
47054_7054	47054	7054	16.6095	-44.433	-0.1635	0.8295	-34.872	-1143.26	1
47054_7055	47054	7055	6.9735	8.8575	-0.192	1.4565	-57.4065	-1190.84	1
47055_7055	47055	7055	14.955	-54.1485	-0.015	0.444	-32.415	-800.292	1
47055_7056	47055	7056	7.0125	9.126	-0.204	1.047	-59.457	-1304.69	1
47056_7056	47056	7056	-62.8995	-1.5495	0.2445	1.638	-48.6765	-666.224	1
47056_7057	47056	7057	29.859	-22.9785	1.2195	1.1445	-32.2545	-573.368	1
47057_7057	47057	7057	-55.125	-7.764	0.1155	0.7275	-39.9885	-862.868	1
47057_7058	47057	7058	45.588	-14.451	1.2405	0.714	-36.744	-423.209	1
47058_7058	47058	7058	-49.032	-13.9185	0.0105	-0.525	-34.854	-1002.67	1
47058_7059	47058	7059	62.8125	-3.399	1.2615	0.744	-59.778	-376.403	1
47059_7059	47059	7059	-42.567	-14.0025	0.543	2.082	-31.593	-1107	1
47059_7060	47059	7060	60.738	-3.0375	1.5315	2.103	-47.508	-351.722	1
47060_7060	47060	7060	-36.504	-20.736	0.504	0.5775	-24.4035	-1221.63	1
47060_7061	47060	7061	59.4675	-2.9835	1.44	1.623	-35.997	-327.686	1
47061_7061	47061	7061	-31.128	-28.2015	0.4425	-1.029	-18.081	-1288.44	1
47061_7062	47061	7062	57.303	-2.9055	1.3485	1.194	-25.2795	-304.16	1
47062_7062	47062	7062	-27.102	-24.7605	0.402	1.965	-12.8955	-1306.91	1
47062_7063	47062	7063	57.303	-2.3655	1.4865	2.079	-16.3515	-289.946	1
47063_7063	47063	7063	-24.81	-30.3795	0.3375	-0.18	-9.75	-1351.92	1
47063_7064	47063	7064	57.0675	1.9035	-1.404	-1.848	-1.11	-290.472	1
47064_7064	47064	7064	-22.8045	-19.143	-0.225	-0.6735	-6.783	-1370.08	1
47064_7065	47064	7065	57.069	1.9035	-1.3965	-1.815	-9.483	-301.88	1
47065_7065	47065	7065	-24.1215	-25.155	-0.3345	-0.909	-8.5035	-1350.92	1
47065_7066	47065	7066	59.6415	1.923	-1.425	-1.8675	-17.685	-313.359	1
47066_7066	47066	7066	-26.1735	-19.239	-0.3525	-0.348	-11.4615	-1304.61	1
47066_7067	47066	7067	60.873	2.6685	-1.3935	-1.662	-28.7145	-334.58	1
47067_7067	47067	7067	-29.8635	-27.294	-0.45	-0.5145	-16.233	-1284.69	1
47067_7068	47067	7068	63.9945	2.772	-1.4085	-1.6815	-39.7545	-355.998	1
47068_7068	47068	7068	-34.8825	-34.7415	-0.5415	-0.7725	-22.3125	-1217.06	1
47068_7069	47068	7069	64.32	2.799	-1.4145	-1.713	-51.0435	-378.263	1
47069_7069	47069	7069	-40.5705	-34.6965	0.129	0.1905	-29.589	-1102.28	1
47069_7070	47069	7070	42.555	16.545	-1.2075	-0.306	-27.897	-432.447	1
47070_7070	47070	7070	-46.662	-41.457	0.0075	-1.0665	-32.619	-999.399	1
47070_7071	47070	7071	31.113	23.1045	-1.203	-0.6585	-28.263	-583.383	1
47071_7071	47071	7071	-52.404	-47.5665	-0.156	-1.1955	-37.5885	-858.3	1
47071_7072	47071	7072	23.241	35.1495	-1.0935	-0.492	-25.719	-863.117	1
47072_7072	47072	7072	-7.341	-1.086	0.198	-0.642	-26.5185	-393.428	1
47072_7073	47072	7073	9.5745	-9.1695	0.1515	-1.404	-47.7825	-1212.06	1
47073_7073	47073	7073	11.9715	-0.7065	-0.015	-0.627	-29.0985	-805.803	1
47073_7074	47073	7074	9.075	-8.73	0.1425	-1.119	-46.908	-1101.64	1
47074_7074	47074	7074	15.777	-5.1195	-0.2355	-0.084	-31.278	-1157.17	1
47074_7075	47074	7075	9.3135	-8.025	0.024	-0.5175	-46.578	-995.241	1
47075_7075	47075	7075	19.4415	-15.7725	-0.363	-1.506	-37.5075	-1469.39	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47075_7076	47075	7076	8.544	-7.6425	0.015	-1.092	-47.1315	-901.307	1
47076_7076	47076	7076	21.8955	-13.8615	0.318	0.477	-44.0295	-1626.67	1
47076_7077	47076	7077	8.679	-6.51	0.213	-0.0615	-45.381	-847.589	1
47077_7077	47077	7077	22.746	-20.775	0.273	-1.014	-42.765	-1779.98	1
47077_7078	47077	7078	8.733	-6.4365	0.204	-0.591	-42.534	-760.73	1
47078_7078	47078	7078	22.7625	-19.0755	0.2625	0.5895	-41.331	-1900	1
47078_7079	47078	7079	8.733	-6.165	0.2505	0.291	-39.7245	-691.701	1
47079_7079	47079	7079	18.708	-9.864	0.246	-1.3275	-40.239	-2046.2	1
47079_7080	47079	7080	8.7345	-6.165	0.243	-0.2925	-37.0005	-622.736	1
47080_7080	47080	7080	17.3655	-3.3765	0.0255	0.7215	-37.3605	-2081.1	1
47080_7081	47080	7081	8.7345	-5.9595	0.2145	0.546	-34.5975	-556.092	1
47081_7081	47081	7081	16.3815	-14.0865	-0.0075	-1.368	-36.906	-2188.36	1
47081_7082	47081	7082	8.3085	-5.9535	0.2085	0.027	-32.34	-489.425	1
47082_7082	47082	7082	15.8355	-6.8925	0.0105	0.8775	-36.768	-2172.63	1
47082_7083	47082	7083	5.112	5.5695	-0.2775	-0.3315	-27.954	-419.843	1
47083_7083	47083	7083	15.7815	-18.39	-0.027	-1.0335	-36.42	-2236.59	1
47083_7084	47083	7084	5.112	5.5695	-0.282	-0.6795	-31.3395	-486.809	1
47084_7084	47084	7084	15.8235	-31.4985	-0.0645	1.1445	-36.6705	-2163.18	1
47084_7085	47084	7085	5.1105	5.6595	-0.276	-0.039	-34.4295	-550.161	1
47085_7085	47085	7085	15.7875	-41.8095	-0.0975	-0.642	-37.6815	-2172.42	1
47085_7086	47085	7086	5.1105	5.6595	-0.2805	-0.507	-37.566	-613.452	1
47086_7086	47086	7086	18.003	-16.0395	-0.2865	2.004	-38.4285	-2061.02	1
47086_7087	47086	7087	5.6655	5.862	-0.3105	0.6195	-40.8165	-678.963	1
47087_7087	47087	7087	18.9555	-26.7735	-0.3225	-1.602	-40.8405	-2022.95	1
47087_7088	47087	7088	5.6655	5.862	-0.321	-0.5925	-44.4015	-744.569	1
47088_7088	47088	7088	19.4205	-21.7485	-0.189	1.4895	-43.059	-1882.44	1
47088_7089	47088	7089	5.6655	6.129	-0.267	0.7845	-47.994	-827.028	1
47089_7089	47089	7089	19.419	-34.104	-0.2955	-1.428	-44.061	-1768.58	1
47089_7090	47089	7090	5.6115	6.1785	-0.2775	-0.3105	-50.289	-876.903	1
47090_7090	47090	7090	19.0545	-28.638	0.267	1.2945	-45.015	-1627.3	1
47090_7091	47090	7091	5.8095	7.1325	-0.1185	0.8985	-51.345	-960.366	1
47091_7091	47091	7091	18.2745	-39.1425	0.2175	0.0285	-39.6255	-1470.67	1
47091_7092	47091	7092	6.0075	7.344	-0.123	0.6165	-52.4805	-1058.34	1
47092_7092	47092	7092	16.2135	-44.178	-0.153	0.8025	-34.134	-1144.66	1
47092_7093	47092	7093	5.907	8.001	-0.2355	1.3755	-55.2015	-1158.3	1
47093_7093	47093	7093	14.8365	-54.171	-0.0195	0.4065	-31.7715	-790.973	1
47093_7094	47093	7094	5.9115	8.2185	-0.2445	0.963	-57.948	-1261.26	1
47094_7094	47094	7094	-61.731	-1.458	0.276	1.506	-45.087	-658.154	1
47094_7095	47094	7095	28.8825	-22.3875	1.155	1.035	-28.83	-562.799	1
47095_7095	47095	7095	-54.279	-7.719	0.138	0.7875	-36.7335	-850.292	1
47095_7096	47095	7096	43.6935	-14.1585	1.1805	0.7605	-32.514	-417.663	1
47096_7096	47096	7096	-48.45	-13.9725	0.0405	-0.504	-31.9005	-988.323	1
47096_7097	47096	7097	59.028	-3.384	1.221	0.7065	-53.2875	-373.587	1
47097_7097	47097	7097	-42.21	-13.8465	0.5745	2.0025	-28.8855	-1090.38	1
47097_7098	47097	7098	56.853	-2.979	1.446	1.9785	-41.7615	-349.182	1
47098_7098	47098	7098	-36.333	-20.6655	0.5445	0.5685	-21.8625	-1204.73	1
47098_7099	47098	7099	55.182	-2.898	1.3635	1.5135	-30.888	-325.731	1
47099_7099	47099	7099	-31.104	-28.248	0.4935	-1.0215	-15.561	-1270.74	1
47099_7100	47099	7100	53.0655	-2.8035	1.2825	1.0845	-20.703	-303.02	1
47100_7100	47100	7100	-27.1845	-24.387	0.438	0.69	-10.2615	-1287.54	1
47100_7101	47100	7101	52.104	-2.223	1.4565	1.6185	-12.0375	-289.643	1
47101_7101	47101	7101	-24.9315	-30.0405	0.375	-1.6785	-7.161	-1333.73	1
47101_7102	47101	7102	56.6235	2.355	-1.473	-2.1525	-6.9	-288.171	1
47102_7102	47102	7102	-22.5315	-19.1265	-0.2535	1.986	-5.3295	-1353.46	1
47102_7103	47102	7103	57.414	2.364	-1.2915	-1.1985	-14.517	-302.336	1
47103_7103	47103	7103	-23.67	-25.218	-0.3285	-0.5265	-7.5075	-1335.04	1
47103_7104	47103	7104	57.411	2.364	-1.383	-1.686	-22.809	-316.496	1
47104_7104	47104	7104	-25.506	-18.804	-0.4095	0.603	-10.725	-1288.96	1
47104_7105	47104	7105	59.3385	2.9625	-1.2675	-1.3155	-32.814	-340.013	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47105_7105	47105	7105	-28.887	-27.0105	-0.4755	-1.0455	-16.3695	-1272.56	1
47105_7106	47105	7106	61.0635	3.0255	-1.3545	-1.7535	-43.593	-364.08	1
47106_7106	47106	7106	-33.5925	-34.602	-0.5685	-1.065	-23.0565	-1206.63	1
47106_7107	47106	7107	64.05	3.159	-1.371	-1.758	-54.4815	-388.818	1
47107_7107	47107	7107	-38.9595	-34.326	0.183	-0.306	-30.912	-1092.28	1
47107_7108	47107	7108	47.3265	14.1375	-1.1565	-0.567	-33.6645	-422.499	1
47108_7108	47108	7108	-44.7315	-41.271	0.012	-0.375	-33.81	-990.458	1
47108_7109	47108	7109	31.101	22.3455	-1.113	-0.297	-29.364	-564.483	1
47109_7109	47109	7109	-50.1255	-47.55	-0.099	-1.269	-38.9685	-849.387	1
47109_7110	47109	7110	23.3625	34.0965	-1.053	-0.6405	-26.052	-832.076	1
47110_7110	47110	7110	-1.803	-2.1945	0.174	-0.3495	-22.3275	-450.99	1
47110_7111	47110	7111	9.177	-9.27	0.2655	-0.9435	-55.383	-1201.36	1
47111_7111	47111	7111	11.6685	-1.1265	0.0315	-0.807	-33.9975	-808.649	1
47111_7112	47111	7112	9.0345	-8.928	0.2505	-1.41	-52.674	-1089.36	1
47112_7112	47112	7112	15.4365	-5.448	-0.0525	-0.279	-36.7005	-1152.62	1
47112_7113	47112	7113	8.9505	-8.175	0.195	-0.741	-50.4435	-980.937	1
47113_7113	47113	7113	19.095	-16.41	-0.12	-1.053	-41.1	-1459.63	1
47113_7114	47113	7114	8.505	-7.8495	0.189	-0.7545	-48.7095	-886.308	1
47114_7114	47114	7114	21.7125	-14.694	0.345	0.0465	-45.0885	-1598.62	1
47114_7115	47114	7115	8.64	-6.969	0.297	-0.2925	-46.26	-828.809	1
47115_7115	47115	7115	22.8105	-21.789	0.3105	-0.519	-43.8075	-1723.81	1
47115_7116	47115	7116	8.7015	-6.894	0.2925	-0.3465	-42.1785	-732.852	1
47116_7116	47116	7116	23.2515	-19.2795	0.417	0.687	-41.859	-1803.7	1
47116_7117	47116	7117	8.7015	-6.531	0.336	0.366	-38.415	-659.759	1
47117_7117	47117	7117	22.77	-29.4525	0.4065	-0.9435	-38.2845	-1921.29	1
47117_7118	47117	7118	8.7015	-6.531	0.3285	-0.213	-34.7415	-586.733	1
47118_7118	47118	7118	21.7185	-23.151	0.2235	0.1695	-34.2825	-1932.06	1
47118_7119	47118	7119	8.7015	-6.3465	0.2985	0.39	-31.4025	-515.709	1
47119_7119	47119	7119	20.577	-33.54	0.2175	0.09	-32.0445	-2017.96	1
47119_7120	47119	7120	8.7015	-6.3465	0.2985	0.39	-28.062	-444.69	1
47120_7120	47120	7120	19.527	-26.5095	0.1995	1.7235	-29.6505	-1985.81	1
47120_7121	47120	7121	8.703	-6.2835	0.294	0.933	-24.5265	-369.156	1
47121_7121	47121	7121	18.762	-37.8795	0.1485	-1.4535	-27.2535	-2040.57	1
47121_7122	47121	7122	9.813	3.981	-0.1185	-0.582	-18.822	-321.293	1
47122_7122	47122	7122	18.51	-31.503	0.1185	1.2255	-25.4985	-1949.33	1
47122_7123	47122	7123	9.813	4.0815	-0.093	-0.03	-19.86	-366.968	1
47123_7123	47123	7123	18.7905	-42.231	0.081	-0.4515	-24.237	-1946	1
47123_7124	47123	7124	9.9705	4.083	-0.1005	-0.357	-20.9205	-412.649	1
47124_7124	47124	7124	19.545	-35.6565	-0.0195	1.884	-23.4765	-1815.01	1
47124_7125	47124	7125	9.9705	4.311	-0.1155	0.411	-22.2195	-460.887	1
47125_7125	47125	7125	23.547	-28.1895	-0.111	-1.335	-23.5035	-1765.38	1
47125_7126	47125	7126	10.332	4.3215	-0.132	-0.411	-23.505	-509.193	1
47126_7126	47126	7126	24.2505	-22.6935	-0.12	1.008	-24.201	-1616.55	1
47126_7127	47126	7127	10.4205	4.7385	-0.099	0.4455	-24.783	-573.228	1
47127_7127	47127	7127	24.3405	-35.4375	-0.234	-0.7725	-25.695	-1500.15	1
47127_7128	47127	7128	10.38	4.827	-0.1125	-0.081	-25.7145	-610.329	1
47128_7128	47128	7128	23.901	-29.1135	0.0675	1.317	-27.264	-1359.82	1
47128_7129	47128	7129	10.518	6.054	-0.1545	0.8985	-27.258	-681.419	1
47129_7129	47129	7129	22.812	-39.741	0.006	-0.447	-25.9365	-1225.12	1
47129_7130	47129	7130	10.713	6.387	-0.165	0.1125	-28.932	-769.275	1
47130_7130	47130	7130	20.163	-45.3645	1.032	0.558	-25.647	-924.282	1
47130_7131	47130	7131	-22.257	29.4315	-0.9885	-0.576	13.818	-1022.05	1
47131_7131	47131	7131	18.546	-55.365	1.158	0.4755	-11.085	-585.654	1
47131_7132	47131	7132	-27.7245	42.1935	-0.9525	-1.677	4.776	-1433.23	1
47132_7132	47132	7132	-68.004	1.6515	-0.72	-0.291	-8.2905	-478.512	1
47132_7133	47132	7133	22.0005	-24.5565	1.2225	-0.174	-17.8125	-532.574	1
47133_7133	47133	7133	-58.863	-5.376	-0.9615	0.333	-12.4755	-724.67	1
47133_7134	47133	7134	28.0695	-17.5905	0.999	0.339	-13.125	-361.158	1
47134_7134	47134	7134	-52.1715	-11.9535	-1.2315	2.2515	-18.1785	-878.483	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47134_7135	47134	7135	67.269	-1.836	0.1935	-0.378	22.4505	-282.905	1
47135_7135	47135	7135	-45.072	-12.558	0.75	1.365	-26.7765	-993.252	1
47135_7136	47135	7136	67.2735	-0.6105	-1.02	-0.891	14.2995	-278.043	1
47136_7136	47136	7136	-38.334	-19.7535	0.741	0.0165	-19.7925	-1117.55	1
47136_7137	47136	7137	65.8515	-0.5775	-1.086	-1.236	4.9155	-273.185	1
47137_7137	47137	7137	-32.274	-27.7005	0.6705	-0.0525	-13.1565	-1187.15	1
47137_7138	47137	7138	65.0355	-0.555	-1.074	-1.233	-3.996	-268.599	1
47138_7138	47138	7138	-27.5445	-23.1255	0.258	1.797	-7.4025	-1203.95	1
47138_7139	47138	7139	65.034	0.2175	-0.6585	-0.7785	-7.95	-269.897	1
47139_7139	47139	7139	-19.6395	-13.0935	-0.09	-0.6255	-5.388	-1260.51	1
47139_7140	47139	7140	65.85	0.2235	-0.774	-1.233	-12.408	-271.232	1
47140_7140	47140	7140	-19.776	-19.6965	-0.171	-0.6675	-6.1455	-1283.61	1
47140_7141	47140	7141	65.85	0.2235	-0.774	-1.233	-17.055	-272.57	1
47141_7141	47141	7141	-20.469	-26.1045	-0.252	-0.723	-7.8195	-1265.26	1
47141_7142	47141	7142	67.2705	0.237	-0.7875	-1.2435	-21.588	-273.936	1
47142_7142	47142	7142	-21.912	-19.2015	-0.2805	0.702	-10.3575	-1217.35	1
47142_7143	47142	7143	68.841	0.8025	-0.708	-0.7875	-27.114	-280.022	1
47143_7143	47143	7143	-24.84	-27.777	-0.321	-0.813	-14.274	-1202.53	1
47143_7144	47143	7144	71.0175	0.8835	-0.8085	-1.152	-33.4425	-286.701	1
47144_7144	47144	7144	-29.1495	-35.7165	-0.384	-0.8445	-18.741	-1134.52	1
47144_7145	47144	7145	74.5695	1.047	-0.828	-1.1715	-39.867	-294.207	1
47145_7145	47145	7145	-34.1685	-35.5215	0.4395	-0.717	-23.9145	-1013.56	1
47145_7146	47145	7146	38.3325	17.406	-0.849	-0.4845	-17.355	-390.965	1
47146_7146	47146	7146	-39.621	-42.7485	0.2475	0.2775	-23.3235	-905.262	1
47146_7147	47146	7147	27.7365	24.957	-0.8565	0.1425	-17.4765	-553.257	1
47147_7147	47147	7147	-44.7495	-49.2675	0.159	-0.678	-25.0305	-750.627	1
47147_7148	47147	7148	21.0375	37.68	-0.909	-0.579	-18.1275	-855.251	1
47148_7148	47148	7148	4.044	-2.8545	0.1425	-0.2685	-14.4465	-396.303	1
47148_7149	47148	7149	23.5215	-10.926	0.156	-0.7815	-35.85	-1072.75	1
47149_7149	47149	7149	22.6695	-1.3215	-0.0555	-0.342	-22.761	-703.332	1
47149_7150	47149	7150	23.736	-10.29	0.1365	-0.7005	-34.164	-943.65	1
47150_7150	47150	7150	28.812	-5.7825	-0.1815	-0.1275	-24	-1022.57	1
47150_7151	47150	7151	23.685	-9.144	0.1125	-0.399	-33.0285	-822.065	1
47151_7151	47151	7151	34.9335	-16.458	-0.2895	-0.522	-28.3335	-1290.07	1
47151_7152	47151	7152	23.58	-8.49	0.0945	-0.3495	-32.124	-714.101	1
47152_7152	47152	7152	39.4635	-14.694	0.3765	-0.876	-33.018	-1405.11	1
47152_7153	47152	7153	23.7195	-7.305	0.24	-0.606	-30.1365	-653.822	1
47153_7153	47153	7153	41.757	-21.774	0.3765	0.603	-30.6495	-1510.77	1
47153_7154	47153	7154	23.7795	-7.1055	0.264	0.2505	-26.517	-553.362	1
47154_7154	47154	7154	43.884	-19.65	0.216	0.1815	-27.015	-1569.3	1
47154_7155	47154	7155	23.7795	-6.72	0.1725	0.216	-24.627	-479.445	1
47155_7155	47155	7155	44.5125	-29.9745	0.189	0.0855	-25.38	-1666.72	1
47155_7156	47155	7156	23.142	-6.7065	0.1755	0.219	-22.872	-405.594	1
47156_7156	47156	7156	44.3505	-24.906	0.09	-0.459	-23.961	-1660.24	1
47156_7157	47156	7157	23.142	-6.6075	0.183	0.258	-21.045	-339.522	1
47157_7157	47157	7157	44.0355	-34.5885	0.1035	1.014	-23.5215	-1712.12	1
47157_7158	47157	7158	23.142	-6.6075	0.2055	0.597	-18.987	-273.449	1
47158_7158	47158	7158	43.6695	-28.3695	0.0045	-0.3825	-22.962	-1668.93	1
47158_7159	47158	7159	22.8945	5.7585	-0.1755	-0.462	-20.9085	-302.574	1
47159_7159	47159	7159	43.968	-20.6685	-0.0345	0.831	-23.61	-1706.06	1
47159_7160	47159	7160	23.193	5.76	-0.15	-0.156	-22.344	-360.162	1
47160_7160	47160	7160	44.2845	-14.0355	-0.237	-0.5835	-23.8845	-1651.44	1
47160_7161	47160	7161	23.1915	5.97	-0.201	-0.3225	-24.564	-425.837	1
47161_7161	47161	7161	44.4705	-25.26	-0.2295	0.735	-26.388	-1654.91	1
47161_7162	47161	7162	23.193	5.97	-0.18	0.0645	-26.5515	-491.513	1
47162_7162	47162	7162	43.902	-20.3535	-0.228	0.6045	-28.581	-1554.76	1
47162_7163	47162	7163	23.193	6.4755	-0.225	0.2565	-29.652	-580.56	1
47163_7163	47163	7163	42.15	-33.3435	-0.3555	-0.6525	-31.4745	-1491.06	1
47163_7164	47163	7164	23.625	6.702	-0.246	-0.0735	-31.332	-637.073	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47164_7164	47164	7164	40.4415	-28.149	0.3585	0.423	-34.1325	-1377.07	1
47164_7165	47164	7165	23.577	8.049	-0.0555	0.2775	-31.9125	-731.661	1
47165_7165	47165	7165	37.494	-38.367	0.318	0.3795	-28.896	-1261.43	1
47165_7166	47165	7166	23.568	8.6775	-0.066	0.57	-32.4885	-852.801	1
47166_7166	47166	7166	32.667	-43.7415	-0.087	0.3795	-23.9595	-975.701	1
47166_7167	47166	7167	23.52	10.0905	-0.138	0.6765	-33.768	-978.929	1
47167_7167	47167	7167	28.449	-53.4825	0.0735	0.429	-22.305	-652.437	1
47167_7168	47167	7168	-48.705	39.585	0.225	-1.554	34.716	-1380.47	1
47168_7168	47168	7168	-56.4705	0.4785	0.0675	0.945	-30.03	-543.824	1
47168_7169	47168	7169	28.554	-26.2095	0.912	0.8475	-17.8125	-576.512	1
47169_7169	47169	7169	-49.47	-5.787	-0.06	0.1095	-25.212	-758.828	1
47169_7170	47169	7170	37.575	-18.873	0.8565	0.099	-16.6365	-393.959	1
47170_7170	47170	7170	-43.977	-12.06	-0.21	0.108	-23.1735	-907.559	1
47170_7171	47170	7171	52.512	-12.411	0.822	0.255	-16.7055	-276.146	1
47171_7171	47171	7171	-38.118	-12.2325	0.4545	0.129	-23.127	-1021.3	1
47171_7172	47171	7172	44.529	-1.404	-0.861	-1.05	16.5615	-252.609	1
47172_7172	47172	7172	-32.667	-19.185	0.3345	1.35	-18.0645	-1146.2	1
47172_7173	47172	7173	44.5305	-1.404	-0.8055	-0.735	10.1145	-241.38	1
47173_7173	47173	7173	-27.8955	-26.907	0.2925	-0.267	-14.2965	-1221.19	1
47173_7174	47173	7174	44.529	-1.404	-0.861	-1.0365	3.222	-230.147	1
47174_7174	47174	7174	-24.51	-23.4795	0.3765	-0.1155	-11.247	-1245.75	1
47174_7175	47174	7175	44.5305	-0.4905	-0.924	-1.044	-2.3265	-227.196	1
47175_7175	47175	7175	-22.74	-29.3115	0.249	1.8405	-8.7945	-1295.56	1
47175_7176	47175	7176	47.9085	-0.429	-0.873	-0.69	-6.813	-224.39	1
47176_7176	47176	7176	-21.741	-35.592	0.189	-0.342	-7.551	-1316.43	1
47176_7177	47176	7177	63.054	0.1485	0.864	0.9255	0.789	-232.664	1
47177_7177	47177	7177	-21.33	-42.06	0.09	-0.405	-7.2195	-1296.58	1
47177_7178	47177	7178	63.054	0.1485	0.864	0.9255	5.9715	-224.555	1
47178_7178	47178	7178	-28.3815	-19.7415	-0.174	-0.6735	-11.8875	-1247.14	1
47178_7179	47178	7179	63.054	1.2615	0.7845	0.8745	12.2475	-234.639	1
47179_7179	47179	7179	-33.0105	-28.074	-0.2865	0.648	-14.7675	-1223.68	1
47179_7180	47179	7180	63.675	1.2705	0.867	1.17	19.362	-244.772	1
47180_7180	47180	7180	-38.9685	-35.778	-0.3225	-0.942	-18.909	-1150.05	1
47180_7181	47180	7181	43.989	13.047	-0.579	-0.8265	-17.5935	-271.731	1
47181_7181	47181	7181	-45.5805	-36.0675	0.396	-0.4395	-23.6715	-1026.53	1
47181_7182	47181	7182	31.497	18.9615	-0.876	-0.5565	-17.2215	-390.15	1
47182_7182	47182	7182	-52.5255	-42.9825	0.249	-0.5625	-23.4435	-913.257	1
47182_7183	47182	7183	24.621	26.313	-0.903	-0.474	-18.291	-567.179	1
47183_7183	47183	7183	-59.034	-49.2195	0.0255	0.171	-25.257	-755.051	1
47183_7184	47183	7184	21.339	39.423	-0.885	0.09	-18.495	-887.939	1
47184_7184	47184	7184	-10.224	-5.196	0.069	0.3585	-4.1265	-329.841	1
47184_7185	47184	7185	-34.353	-31.527	0	0.7605	31.3395	-968.946	1
47185_7185	47185	7185	16.0275	0.252	-0.069	0.1635	-23.8005	-633.285	1
47185_7186	47185	7186	12.0555	-8.553	0.123	0.141	-35.466	-825.87	1
47186_7186	47186	7186	20.8845	-4.338	-0.276	-0.9	-25.32	-974.742	1
47186_7187	47186	7187	11.865	-7.5105	0.084	-1.0005	-35.022	-725.729	1
47187_7187	47187	7187	25.737	-14.6475	-0.342	0.573	-30.717	-1278.7	1
47187_7188	47187	7188	12.0495	-7.2105	0.093	0.3405	-33.9615	-637.695	1
47188_7188	47188	7188	29.2365	-13.7865	0.2535	-0.807	-36.198	-1434.6	1
47188_7189	47188	7189	11.8725	-6.105	0.1785	-0.5565	-32.802	-587.324	1
47189_7189	47189	7189	30.9075	-20.6955	0.2325	0.7605	-34.9095	-1562.82	1
47189_7190	47189	7190	11.814	-6.0015	0.1905	0.2505	-30.2625	-502.694	1
47190_7190	47190	7190	32.196	-19.6605	0.252	0.249	-33.495	-1664.09	1
47190_7191	47190	7191	11.3805	-5.5725	0.186	0.198	-28.4805	-441.333	1
47191_7191	47191	7191	32.3025	-29.631	0.2055	0.1335	-31.671	-1780.95	1
47191_7192	47191	7192	11.3805	-5.5725	0.186	0.198	-26.442	-380.036	1
47192_7192	47192	7192	31.7775	-25.5075	-0.0195	0.291	-30.381	-1797.39	1
47192_7193	47192	7193	11.1855	-5.3895	0.1695	0.423	-24.831	-326.234	1
47193_7193	47193	7193	31.2075	-34.8	-0.066	0.1605	-31.386	-1857.86	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47193_7194	47193	7194	9.6585	5.658	-0.285	-0.5535	-26.565	-303.185	1
47194_7194	47194	7194	30.288	-10.5885	-0.111	0.981	-33.3405	-1831.1	1
47194_7195	47194	7195	9.6585	5.799	-0.2505	-0.1545	-29.064	-361.112	1
47195_7195	47195	7195	30.51	-20.3145	-0.189	-0.966	-34.221	-1868.06	1
47195_7196	47195	7196	9.6585	5.799	-0.2595	-0.516	-31.659	-419.039	1
47196_7196	47196	7196	30.714	-14.7645	-0.3405	0.2265	-36.006	-1815.21	1
47196_7197	47196	7197	10.6185	6.1305	-0.276	-0.039	-34.2885	-486.212	1
47197_7197	47197	7197	30.813	-25.422	-0.3975	0.087	-39.3945	-1808.36	1
47197_7198	47197	7198	10.6185	6.1305	-0.276	-0.039	-37.323	-553.64	1
47198_7198	47198	7198	30.3165	-21.579	-0.1995	0.7965	-43.0905	-1703.48	1
47198_7199	47198	7199	10.6185	6.8505	-0.2655	0.417	-40.9695	-647.766	1
47199_7199	47199	7199	28.938	-33.909	-0.2985	-0.546	-44.4705	-1624.6	1
47199_7200	47199	7200	10.5615	6.936	-0.276	0.057	-43.2435	-707.352	1
47200_7200	47200	7200	27.687	-30.1125	0.2505	-0.363	-45.915	-1503.23	1
47200_7201	47200	7201	11.052	8.2695	-0.1755	-0.279	-44.6775	-804.126	1
47201_7201	47201	7201	25.6815	-39.8145	0.2835	1.8015	-40.215	-1361.34	1
47201_7202	47201	7202	10.8435	8.541	-0.165	1.524	-46.83	-921.056	1
47202_7202	47202	7202	22.398	-45.207	-0.171	0.186	-33.942	-1057.87	1
47202_7203	47202	7203	10.8825	9.708	-0.1425	0.084	-48.0735	-1042.57	1
47203_7203	47203	7203	19.827	-54.2505	0.0135	1.3545	-30.9255	-718.611	1
47203_7204	47203	7204	-35.415	44.6085	0.228	-1.4535	53.7915	-1489.18	1
47204_7204	47204	7204	-67.2915	-1.3455	0.3375	0.5775	-43.188	-633.273	1
47204_7205	47204	7205	28.2825	-29.4195	1.02	0.2985	-26.6295	-636.402	1
47205_7205	47205	7205	-59.178	-7.143	0.0735	1.3005	-34.0935	-843.065	1
47205_7206	47205	7206	37.3665	-21.045	1.089	0.876	-26.601	-442.286	1
47206_7206	47206	7206	-52.7085	-12.8565	-0.03	-0.0705	-29.604	-984.282	1
47206_7207	47206	7207	54.2985	-12.822	1.05	0.477	-28.6365	-315.294	1
47207_7207	47207	7207	-45.8985	-13.3905	0.465	0.339	-26.889	-1096.16	1
47207_7208	47207	7208	64.3935	-0.0975	-1.3965	-1.521	30.462	-281.586	1
47208_7208	47208	7208	-39.4665	-19.8135	0.3345	0.1125	-20.8065	-1216.81	1
47208_7209	47208	7209	64.3935	-0.0975	-1.3965	-1.521	19.2945	-280.802	1
47209_7209	47209	7209	-33.708	-26.9295	0.159	1.4685	-16.5705	-1293.91	1
47209_7210	47209	7210	64.395	-0.0975	-1.3155	-1.17	8.7705	-280.02	1
47210_7210	47210	7210	-29.304	-24.825	0.5205	0.021	-14.379	-1327.6	1
47210_7211	47210	7211	64.395	0.933	-1.563	-1.5585	-0.612	-285.618	1
47211_7211	47211	7211	-23.676	-12.285	-0.1245	-0.756	-9.738	-1382.63	1
47211_7212	47211	7212	64.395	0.933	-1.563	-1.5585	-9.9945	-291.218	1
47212_7212	47212	7212	-24.498	-18.3405	-0.3	1.383	-10.6845	-1406.33	1
47212_7213	47212	7213	67.3695	0.9945	-1.473	-1.0905	-18.3015	-296.997	1
47213_7213	47213	7213	-25.9335	-24.237	-0.39	-1.2	-13.368	-1392.13	1
47213_7214	47213	7214	67.3665	0.9945	-1.5855	-1.5855	-27.816	-302.961	1
47214_7214	47214	7214	-28.152	-20.0325	-0.0675	-0.6585	-17.2485	-1351.2	1
47214_7215	47214	7215	71.1555	1.6905	-1.6305	-1.383	-40.3545	-315.492	1
47215_7215	47215	7215	-32.109	-27.7605	-0.2235	-0.807	-20.793	-1325.94	1
47215_7216	47215	7216	74.31	1.911	-1.6395	-1.3905	-52.9035	-329.069	1
47216_7216	47216	7216	-37.3755	-34.89	-0.402	0.5595	-26.058	-1257.06	1
47216_7217	47216	7217	64.7415	10.8435	-1.155	-0.7305	-41.202	-350.72	1
47217_7217	47217	7217	-43.2945	-35.787	0.1935	1.6785	-33.291	-1143.65	1
47217_7218	47217	7218	45.9	17.4705	-0.5955	1.686	-33.3765	-459.447	1
47218_7218	47218	7218	-49.572	-42.111	0.051	1.9845	-36.5985	-1036.06	1
47218_7219	47218	7219	32.7675	25.7235	-0.5865	1.8915	-27.0165	-628.883	1
47219_7219	47219	7219	-55.473	-47.832	0.468	-5.799	-41.3205	-885.032	1
47219_7220	47219	7220	25.0485	37.7835	-0.7845	-3.7935	-21.648	-939.687	1
47220_7220	47220	7220	11.2125	6.1545	-0.198	0.0705	-28.6965	-412.467	1
47220_7221	47220	7221	9.126	-11.0445	-0.0225	0.24	-64.3215	-1237.23	1
47221_7221	47221	7221	15.4275	-0.996	-0.114	-1.2615	-37.506	-834.852	1
47221_7222	47221	7222	8.8755	-10.701	-0.0525	-2.0385	-65.718	-1102.14	1
47222_7222	47222	7222	20.535	-5.613	-0.1785	0.678	-42.099	-1185.52	1
47222_7223	47222	7223	8.967	-9.981	0.309	0.282	-62.0565	-969.794	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47223_7223	47223	7223	25.992	-15.096	-0.3615	-1.9485	-47.9655	-1495.23	1
47223_7224	47223	7224	8.862	-9.714	0.2865	-1.098	-59.0655	-852.32	1
47224_7224	47224	7224	30.3285	-15.153	0.4395	3.4155	-54.4755	-1669.1	1
47224_7225	47224	7225	8.8995	-8.7255	0.501	1.557	-55.0845	-780.363	1
47225_7225	47225	7225	32.742	-22.3935	0.3	-2.1915	-52.239	-1806.66	1
47225_7226	47225	7226	8.9715	-8.655	0.468	-0.8625	-48.0645	-650.76	1
47226_7226	47226	7226	35.706	-22.734	0.5145	3.345	-49.7025	-1927.07	1
47226_7227	47226	7227	8.4015	-8.244	0.5055	1.3665	-42.4905	-554.78	1
47227_7227	47227	7227	37.1085	-32.535	0.3705	-3.117	-44.55	-2031.84	1
47227_7228	47227	7228	8.403	-8.244	0.477	-0.561	-36.9585	-459.068	1
47228_7228	47228	7228	37.785	-30.426	0.2865	4.3065	-40.6845	-2033.02	1
47228_7229	47228	7229	11.7855	7.2225	-0.0105	1.047	-27.672	-446.793	1
47229_7229	47229	7229	38.223	-20.2425	0.015	-4.0005	-35.862	-2062.99	1
47229_7230	47229	7230	11.7855	7.2225	-0.06	-0.876	-28.3755	-530.663	1
47230_7230	47230	7230	37.7715	-18.213	-0.189	4.197	-34.3425	-1974.86	1
47230_7231	47230	7231	12.8325	7.731	-0.273	1.7055	-31.4505	-624.095	1
47231_7231	47231	7231	36.597	-28.782	-0.4335	-3.345	-35.76	-1921.6	1
47231_7232	47231	7232	12.894	7.734	-0.3255	-0.8385	-35.382	-717.855	1
47232_7232	47232	7232	34.4475	-28.902	0.84	4.4265	-39.8025	-1762.95	1
47232_7233	47232	7233	12.8865	8.5755	0.0315	2.313	-35.2845	-744.077	1
47233_7233	47233	7233	33.987	-31.269	0.75	2.013	-36.9045	-1733.13	1
47233_7234	47233	7234	12.837	8.652	0.012	1.341	-35.2065	-795.642	1
47234_7234	47234	7234	32.9355	-35.6775	0.6315	0.1845	-32.004	-1664.97	1
47234_7235	47234	7235	12.7425	8.79	-0.006	0.615	-35.262	-869.358	1
47235_7235	47235	7235	31.0755	-41.721	0.4515	-1.803	-26.9655	-1523.93	1
47235_7236	47235	7236	12.6465	8.9265	-0.027	-0.423	-35.4465	-919.902	1
47236_7236	47236	7236	29.526	-40.689	0.5445	1.572	-25.0185	-1415.28	1
47236_7237	47236	7237	13.2765	9.849	0.273	1.8195	-31.7205	-1029.68	1
47237_7237	47237	7237	26.709	-47.9085	0.624	-1.371	-18.987	-1193.8	1
47237_7238	47237	7238	13.095	10.0905	0.2325	-0.6435	-29.6595	-1125.63	1
47238_7238	47238	7238	23.022	-36.909	-1.653	-0.5505	-11.07	-947.469	1
47238_7239	47238	7239	12.9645	14.088	-0.4215	2.2965	-33.09	-1257.33	1
47239_7239	47239	7239	19.9845	-43.83	-1.6065	-2.604	-24.243	-809.46	1
47239_7240	47239	7240	-40.977	38.1225	1.2255	-1.7235	42.834	-1583.34	1
47240_7240	47240	7240	-71.403	-10.884	1.107	4.737	-55.713	-931.389	1
47240_7241	47240	7241	49.0245	-21.4245	0.9975	1.9065	-21.513	-672.632	1
47241_7241	47241	7241	-65.7105	-16.7025	1.1775	1.6515	-43.7835	-1040.18	1
47241_7242	47241	7242	61.0125	-16.0425	1.038	-0.072	-21.9165	-506.567	1
47242_7242	47242	7242	-59.52	-23.937	1.077	-0.357	-31.3155	-1116.59	1
47242_7243	47242	7243	69.0495	-13.2495	1.0365	-0.867	-17.706	-386.258	1
47243_7243	47243	7243	-53.5755	-12.6945	0.438	2.3085	-21.7005	-1133.53	1
47243_7244	47243	7244	80.7225	-2.2095	1.1085	1.485	-15.639	-312.651	1
47244_7244	47244	7244	-46.788	-20.0955	0.6105	-0.456	-15.15	-1284.12	1
47244_7245	47244	7245	64.911	0.1965	-0.381	-1.4475	16.446	-308.9	1
47245_7245	47245	7245	-41.679	-23.5995	-0.3345	1.668	-7.254	-1378.83	1
47245_7246	47245	7246	64.9245	0.81	-1.011	-0.69	5.985	-317.187	1
47246_7246	47246	7246	-37.0725	-13.398	-0.4845	-1.902	-9.141	-1468.75	1
47246_7247	47246	7247	68.0265	0.942	-1.191	-1.491	-4.059	-324.756	1
47247_7247	47247	7247	-39.3555	-15.789	0.15	2.8605	-13.689	-1475.91	1
47247_7248	47247	7248	69.312	1.5255	-1.491	-0.2835	-17.7015	-338.966	1
47248_7248	47248	7248	-43.1445	-24.4575	0.189	-2.8905	-13.7175	-1466.27	1
47248_7249	47248	7249	76.0995	2.0835	-1.8255	-1.6365	-34.347	-356.787	1
47249_7249	47249	7249	-48.9855	-28.5105	-1.161	1.059	-15.012	-1383.91	1
47249_7250	47249	7250	83.2725	3.9765	-2.223	-0.09	-52.6695	-385.395	1
47250_7250	47250	7250	-56.0865	-36.519	-1.143	-2.1915	-31.4235	-1286.77	1
47250_7251	47250	7251	59.46	16.7985	-1.7715	-0.7365	-43.7505	-486.116	1
47251_7251	47251	7251	-63.2445	-24.672	0.7695	2.3715	-46.8855	-1138.85	1
47251_7252	47251	7252	50.8455	18.3315	1.485	4.0365	-23.0865	-616.425	1
47252_7252	47252	7252	-69.0465	-31.242	1.0485	-1.908	-43.8405	-1121.83	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47252_7253	47252	7253	41.6475	23.715	0.885	0.9975	-4.14	-815.304	1
47253_7253	47253	7253	8.562	-16.695	1.083	-1.749	-28.692	-728.366	1
47253_7254	47253	7254	6.5385	-17.7915	4.311	-12.4545	0.3555	-1342.52	1
47254_7254	47254	7254	12.1005	-4.4775	-1.0395	0.234	-23.442	-808.92	1
47254_7255	47254	7255	7.3695	-13.044	-2.898	0.693	-34.626	-1190.61	1
47255_7255	47255	7255	15.3735	-12.4425	-1.2945	-1.2135	-41.5095	-1060.11	1
47255_7256	47255	7256	7.572	-12.873	-2.9205	-1.416	-63.8715	-1061.05	1
47256_7256	47256	7256	19.29	-4.128	0.609	1.3245	-60.789	-1198.16	1
47256_7257	47256	7257	7.8915	-9.6225	-0.096	0.672	-64.8345	-970.581	1
47257_7257	47257	7257	22.3395	-9.672	0.6375	-0.597	-59.292	-1413.64	1
47257_7258	47257	7258	7.254	-9.396	-0.1125	-0.2535	-66.702	-899.763	1
47258_7258	47258	7258	24.573	-14.4495	0.672	-1.7715	-56.8965	-1557.1	1
47258_7259	47258	7259	7.3395	-9.33	-0.1215	-0.7335	-67.305	-852.197	1
47259_7259	47259	7259	26.2065	-12.3555	0.345	3.7215	-54.651	-1642.07	1
47259_7260	47259	7260	7.4295	-8.607	0.702	1.8615	-61.872	-785.393	1
47260_7260	47260	7260	28.3755	-17.6895	0.2835	-0.6975	-53.5185	-1792.28	1
47260_7261	47260	7261	7.4925	-8.5545	0.6795	-0.027	-55.959	-711.732	1
47261_7261	47261	7261	30.498	-24.453	0.2625	-2.6055	-52.224	-1917.62	1
47261_7262	47261	7262	7.4925	-8.5545	0.6705	-0.834	-50.5515	-642.818	1
47262_7262	47262	7262	32.289	-21.8025	0.507	2.337	-50.6205	-1981.98	1
47262_7263	47262	7263	7.428	-8.1615	0.5235	1.116	-44.5395	-548.274	1
47263_7263	47263	7263	37.9275	-10.1265	0.4485	-1.7355	-41.784	-2108.96	1
47263_7264	47263	7264	6.618	-8.115	0.5145	-0.0375	-39.033	-454.772	1
47264_7264	47264	7264	39.2445	-9.105	0.15	4.2615	-33.981	-2133.99	1
47264_7265	47264	7265	17.355	8.247	0.075	1.2555	-22.9215	-473.937	1
47265_7265	47265	7265	40.236	-19.2495	-0.0345	-3.4095	-29.8515	-2172.5	1
47265_7266	47265	7266	17.7705	8.268	0.012	-0.471	-22.698	-567.626	1
47266_7266	47266	7266	40.671	-18.453	0.273	3.876	-27.642	-2100.59	1
47266_7267	47266	7267	17.769	8.742	-0.0915	1.896	-23.754	-667.982	1
47267_7267	47267	7267	40.2915	-27.9585	0.063	-2.0865	-22.488	-2048.93	1
47267_7268	47267	7268	18.165	8.775	-0.1455	-0.1275	-25.323	-769.5	1
47268_7268	47268	7268	38.9535	-28.6155	1.4685	6.549	-20.0355	-1900.47	1
47268_7269	47268	7269	18.177	9.627	0.294	3.5085	-24.1485	-808.076	1
47269_7269	47269	7269	38.547	-31.437	1.335	2.3745	-13.74	-1861.74	1
47269_7270	47269	7270	18.09	9.789	0.2505	1.758	-21.6945	-904.539	1
47270_7270	47270	7270	36.93	-38.202	1.137	-1.899	-0.4695	-1724.32	1
47270_7271	47270	7271	18.357	10.1325	0.2085	-0.306	-19.287	-1008.22	1
47271_7271	47271	7271	34.731	-40.038	1.851	3.48	10.236	-1527.51	1
47271_7272	47271	7272	18.165	11.208	1.404	3.384	-1.9005	-1150.56	1
47272_7272	47272	7272	31.374	-47.661	1.461	-2.0685	26.8965	-1263.78	1
47272_7273	47272	7273	18.306	11.7045	1.335	-1.404	15.069	-1296.27	1
47273_7273	47273	7273	25.572	-34.227	-5.8575	1.407	34.875	-927.555	1
47273_7274	47273	7274	17.7015	16.5045	-4.4745	4.455	-8.97	-1388.02	1
47274_7274	47274	7274	24.0255	-37.836	-5.2275	-0.999	0.549	-867.434	1
47274_7275	47274	7275	17.4675	16.7415	-4.518	1.3245	-45.519	-1522.46	1
47275_7275	47275	7275	-69.1725	-24.789	-5.0655	-6.456	-48.453	-1086.24	1
47275_7276	47275	7276	58.011	-19.4655	-2.6085	-5.592	-49.746	-697.451	1
47276_7276	47276	7276	-65.193	-14.1375	2.094	3.1695	-71.409	-1082.57	1
47276_7277	47276	7277	63.336	-16.5915	1.935	1.983	-46.6845	-628.62	1
47277_7277	47277	7277	-62.3265	-17.268	2.064	1.2105	-59.415	-1144.13	1
47277_7278	47277	7278	77.2125	-12.816	2.184	0.8565	-33.789	-473.109	1
47278_7278	47278	7278	-55.524	-25.8675	1.839	-2.0205	-32.5335	-1225.24	1
47278_7279	47278	7279	88.2885	-10.5405	2.1795	-0.366	-17.868	-363.533	1
47279_7279	47279	7279	-49.455	-19.641	-0.6615	2.9355	-13.1865	-1220.5	1
47279_7280	47279	7280	85.491	-4.7865	0.4575	1.7055	-18.1605	-287.453	1
47280_7280	47280	7280	-43.0185	-29.4015	-0.489	-2.0235	-17.514	-1298.61	1
47280_7281	47280	7281	63.0675	0.0585	-0.1095	-1.7595	29.769	-271.865	1
47281_7281	47281	7281	-39.0735	-28.86	0.546	1.374	-19.857	-1256.64	1
47281_7282	47281	7282	70.215	1.0125	-1.266	-0.0585	17.2095	-317.36	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
47282_7282	47282	7282	-38.076	-40.6995	0.4695	-1.776	-10.941	-1261.08	1
47282_7283	47282	7283	75.0435	1.47	-1.515	-0.945	1.359	-330.809	1
47283_7283	47283	7283	-50.3025	-16.5585	-0.8325	1.905	-3.738	-1172.89	1
47283_7284	47283	7284	80.88	4.755	-1.3545	0.4485	-11.5635	-374.216	1
47284_7284	47284	7284	-58.1625	-26.5665	-0.894	-2.6175	-14.766	-1197.33	1
47284_7285	47284	7285	69.615	11.0655	-1.4205	-0.8955	-20.313	-446.798	1
47285_7285	47285	7285	-66.009	-21.1785	0.6525	1.9035	-27.261	-1149.91	1
47285_7286	47285	7286	60.1005	14.4825	-0.2385	1.4775	-18.342	-556.157	1
47286_7286	47286	7286	-72.7635	-28.176	0.8355	0.1995	-24.2325	-1168.15	1
47286_7287	47286	7287	49.428	18.042	-0.27	0.468	-14.9775	-675.359	1
47287_7287	47287	7287	-78.4515	-34.1955	1.059	-2.091	-19.479	-1141.7	1
47287_7288	47287	7288	42.993	21.6015	-0.3345	-1.0755	-13.2465	-834.731	1
47288_7288	47288	7288	3.657	-3.843	-0.828	0.189	-2.748	-748.578	1
47288_7289	47288	7289	2.163	-14.2155	-0.4305	0.9405	-25.734	-1379.81	1
47289_7289	47289	7289	4.0005	-12.5325	-0.9495	-2.6235	-16.2405	-1084.5	1
47289_7290	47289	7290	2.2995	-14.046	-0.432	-3.2565	-30.6495	-1224.42	1
47290_7290	47290	7290	5.112	-10.0695	0.054	1.2165	-29.697	-1290.8	1
47290_7291	47290	7291	2.754	-10.764	-0.246	1.0665	-32.6985	-1145.21	1
47291_7291	47291	7291	5.541	-15.609	-0.021	0.7755	-31.251	-1464.51	1
47291_7292	47291	7292	2.925	-10.6905	-0.249	0.6165	-34.8825	-1051.93	1
47292_7292	47292	7292	6.1065	-22.665	-0.1365	-5.1615	-34.1415	-1619.35	1
47292_7293	47292	7293	2.994	-10.518	-0.267	-3.1965	-36.3015	-1006.35	1
47293_7293	47293	7293	6.594	-10.281	0.5325	3.024	-35.874	-1671.63	1
47293_7294	47293	7294	3.132	-7.2525	0.2715	1.86	-34.4175	-954.698	1
47294_7294	47294	7294	7.3365	7.266	0.549	0.3495	-36.117	-1869.25	1
47294_7295	47294	7295	3.102	-7.203	0.2655	0.228	-32.274	-892.505	1
47295_7295	47295	7295	7.383	-0.144	0.4905	-3.9795	-31.7565	-2060.22	1
47295_7296	47295	7296	3.1035	-7.203	0.258	-1.749	-30.4485	-842.529	1
47296_7296	47296	7296	7.3875	5.6565	0.3615	3.318	-28.8495	-2175.89	1
47296_7297	47296	7297	3.105	-6.285	0.306	1.281	-27.096	-773.583	1
47297_7297	47297	7297	7.371	-3.6135	0.378	-2.769	-25.0725	-2395.51	1
47297_7298	47297	7298	2.9385	-6.2175	0.2985	-0.7515	-24.003	-702.425	1
47298_7298	47298	7298	7.3365	0.969	0.285	5.3925	-20.256	-2505.48	1
47298_7299	47298	7299	2.94	-5.463	0.306	1.5825	-20.5665	-641.157	1
47299_7299	47299	7299	7.299	-8.2845	0.249	-4.0425	-16.449	-2659.18	1
47299_7300	47299	7300	2.9415	-5.463	0.2955	-0.7575	-16.8465	-572.289	1
47300_7300	47300	7300	7.2525	-3.117	0.357	4.83	-12.498	-2698.93	1
47300_7301	47300	7301	2.943	-4.923	0.3045	1.2345	-13.14	-512.36	1
47301_7301	47301	7301	7.3005	-35.601	0.348	-4.014	-8.7105	-2796.8	1
47301_7302	47301	7302	2.8365	-4.911	0.2955	-0.426	-9.7995	-455.154	1
47302_7302	47302	7302	7.2555	-29.6505	0.2235	4.899	-4.2165	-2783.45	1
47302_7303	47302	7303	2.8365	-4.6125	0.267	1.1925	-6.3945	-396.237	1
47303_7303	47303	7303	7.1895	-39.4935	0.183	-4.9695	-1.0215	-2834.61	1
47303_7304	47303	7304	2.838	-4.6125	0.2565	-0.2865	-3.5685	-345.263	1
47304_7304	47304	7304	7.0965	-32.973	0.108	5.0085	1.122	-2763.03	1
47304_7305	47304	7305	2.8365	-4.383	0.147	1.086	-1.8735	-294.671	1
47305_7305	47305	7305	6.939	-42.18	0.072	-4.1505	2.3295	-2751.27	1
47305_7306	47305	7306	2.694	-4.374	0.138	0.042	-0.2625	-240.992	1
47306_7306	47306	7306	6.6615	-38.4645	-0.078	4.794	2.8845	-2592.19	1
47306_7307	47306	7307	2.676	-4.134	-0.033	0.9675	-0.6555	-191.873	1
47307_7307	47307	7307	6.237	-49.068	-0.0945	-4.455	1.6695	-2448.88	1
47307_7308	47307	7308	2.5695	-4.1235	-0.0405	0.1995	-1.1565	-142.544	1
47308_7308	47308	7308	5.601	-50.64	0.4395	3.693	0.372	-2116.59	1
47308_7309	47308	7309	2.4165	-4.2345	1.6935	0.7725	19.194	-91.6035	1
47309_7309	47309	7309	5.211	-70.329	0.3675	-3.0855	4.9905	-1684.44	1
47309_7310	47309	7310	1.341	-3.9945	1.2015	0.3885	27.72	-42.522	1
47310_7310	47310	7310	4.122	-79.7595	-0.5475	0.255	7.326	-1040.79	1
47310_7311	47310	7311	-7.0815	26.5605	2.0565	-0.123	0	-42.4125	1

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95

For : Cleveland Innerbelt		Sheet No. :	
Made by : DJG	Date : 5/9/2012	Job No. :	49633
Checked by : SJL	Date : 5/10/2012		
Backchecked by : DJG	Date : 5/10/2012		



\\kcow00\Jobs\49633\Bridges\Design\Final Design\Unit 2\Walsh CW Check\GIRDER 5\LoadCombinations.xlsm]Load Combinations

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.25	1.50	1.75	1.75	1.00			0.50	1.00
	Min.	0.90	0.65	1.75	1.75	1.00			0.50	1.00
	Max.	1.25	1.50	1.75	1.75	1.00			0.50	
	Min.	0.90	0.65	1.75	1.75	1.00			0.50	
Strength III	Max.	1.25	1.50			1.00	1.40		0.50	1.00
	Min.	0.90	0.65			1.00	1.40		0.50	1.00
	Max.	1.25	1.50			1.00	1.40		0.50	
	Min.	0.90	0.65			1.00	1.40		0.50	
Strength IV	Max.	1.50	1.50			1.00			0.50	
	Min.	0.90	0.65			1.00			0.50	
Strength V	Max.	1.25	1.50	1.35	1.35	1.00	0.40	1.00	0.50	1.00
	Min.	0.90	0.65	1.35	1.35	1.00	0.40	1.00	0.50	1.00
	Max.	1.25	1.50	1.35	1.35	1.00	0.40	1.00	0.50	
	Min.	0.90	0.65	1.35	1.35	1.00	0.40	1.00	0.50	

$$\eta_i = 1.05$$

$$\eta_r = 1$$

$$\eta_d = 1$$

$$\eta_{total} = 1.050$$

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95
	Max.	1.31	1.58	1.84	1.84	1.05			0.00	
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	
Strength III	Max.	1.31	1.58			1.05	1.47		0.53	1.05
	Min.	0.86	0.62			0.95	1.33		0.48	0.95
	Max.	1.31	1.58			1.05	1.47		0.53	
	Min.	0.86	0.62			0.95	1.33		0.48	
Strength IV	Max.	1.58	1.58			1.05			0.53	
	Min.	0.86	0.62			0.95			0.48	
Strength V	Max.	1.31	1.58	1.42	1.42	1.05	0.42	1.05	0.53	1.05
	Min.	0.86	0.62	1.29	1.29	0.95	0.38	0.95	0.48	0.95
	Max.	1.31	1.58	1.42	1.42	1.05	0.42	1.05	0.53	
	Min.	0.86	0.62	1.29	1.29	0.95	0.38	0.95	0.48	

Fatigue I	Max/Min	1.5								
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P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
1000	1.00	1000	1.00
1017	1.06	1017	1.06
1018	1.02	1018	1.03
1019	1.01	1019	1.02
1020	1.00	1021	1.00
1021	1.00	1036	1.01
1036	1.02	1037	1.02
1037	1.02	1039	1.03
1038	1.02	1040	1.05
1039	1.03	1041	1.07
1040	1.04	1042	1.00
1041	1.06	1051	1.15
1042	1.00	1052	1.06
1051	1.13	1053	1.03
1052	1.06	1054	1.02
1053	1.03	1055	1.01
1055	1.01	1057	1.00
1056	1.00	1072	1.01
1090	1.03	1075	1.03
1091	1.02	1077	1.00
1092	1.01	1089	1.08
1095	1.00	1091	1.02
1110	1.01	1094	1.00
1112	1.02	1110	1.01
1113	1.03	1113	1.03
1114	1.05	1115	1.11
1115	1.10	1116	1.00
1116	1.00	1129	1.07
1127	1.06	1130	1.04
1130	1.03	1131	1.03
1133	1.00	1133	1.00
1163	1.01	1184	1.02
1168	1.00	1185	1.03
1184	1.02	1186	1.04
1185	1.03	1187	1.08
1186	1.04	1189	1.00
1187	1.08	1199	1.03

P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
1189	1.00	1202	1.02
1199	1.03	1203	1.01
1202	1.02	1205	1.00
1203	1.01	1222	1.01
1205	1.00	1224	1.03
1222	1.01	1225	1.00
1224	1.04	1234	1.03
1225	1.00	1238	1.01
1234	1.03	1241	1.00
1236	1.02	1255	1.01
1237	1.01	1257	1.02
1241	1.00	1258	1.03
1253	1.01	1259	1.05
1257	1.02	1261	1.00
1258	1.03	1272	1.07
1259	1.04	1274	1.04
1261	1.00	1275	1.03
1272	1.05	1277	1.02
1276	1.03	1279	1.00
1277	1.02	1291	1.02
1279	1.02	1292	1.02
1280	1.00	1293	1.03
1291	1.01	1294	1.05
1292	1.02	1295	1.14
1294	1.03	1296	1.00
1295	1.05	1313	1.00
1296	1.08		
1298	1.00	3000	1.00
1313	1.00	3017	1.06
3000	1.00	3018	1.03
3017	1.06	3019	1.02
3018	1.02	3021	1.00
3019	1.01	3036	1.01
3020	1.00	3037	1.02
3021	1.00	3039	1.03
3036	1.02	3040	1.05
3037	1.02	3041	1.07

P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
3038	1.02	3042	1.00
3039	1.03	3051	1.15
3040	1.04	3052	1.06
3041	1.06	3053	1.03
3042	1.00	3054	1.02
3051	1.13	3055	1.01
3052	1.06	3057	1.00
3053	1.03	3072	1.01
3055	1.01	3075	1.03
3056	1.00	3077	1.00
3090	1.03	3089	1.08
3091	1.02	3091	1.02
3092	1.01	3094	1.00
3095	1.00	3110	1.01
3110	1.01	3113	1.03
3112	1.02	3115	1.11
3113	1.03	3116	1.00
3114	1.05	3129	1.07
3115	1.10	3130	1.04
3116	1.00	3131	1.03
3127	1.06	3133	1.00
3130	1.03	3184	1.02
3133	1.00	3185	1.03
3163	1.01	3186	1.04
3168	1.00	3187	1.08
3184	1.02	3189	1.00
3185	1.03	3199	1.03
3186	1.04	3202	1.02
3187	1.08	3203	1.01
3189	1.00	3205	1.00
3199	1.03	3222	1.01
3202	1.02	3224	1.03
3203	1.01	3225	1.00
3205	1.00	3234	1.03
3222	1.01	3238	1.01
3224	1.04	3241	1.00
3225	1.00	3255	1.01

P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
3235	1.03	3257	1.02
3236	1.02	3258	1.03
3237	1.01	3259	1.05
3240	1.00	3262	1.00
3255	1.01	3272	1.07
3257	1.02	3274	1.04
3258	1.03	3276	1.03
3259	1.04	3279	1.02
3262	1.00	3280	1.00
3272	1.05	3293	1.02
3276	1.03	3294	1.02
3277	1.02	3295	1.03
3280	1.00	3296	1.05
3293	1.01	3297	1.14
3294	1.02	3298	1.00
3296	1.03	3316	1.00
3297	1.05		
3298	1.08	5000	1.00
3300	1.00	5017	1.06
3316	1.00	5018	1.03
5000	1.00	5019	1.02
5017	1.06	5021	1.00
5018	1.02	5036	1.01
5019	1.01	5037	1.02
5020	1.00	5039	1.03
5021	1.00	5040	1.05
5036	1.02	5041	1.07
5037	1.02	5042	1.00
5038	1.02	5051	1.15
5039	1.03	5052	1.06
5040	1.04	5053	1.03
5041	1.06	5054	1.02
5042	1.00	5055	1.01
5051	1.13	5057	1.00
5052	1.06	5072	1.01
5053	1.03	5075	1.03
5055	1.01	5077	1.00

P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
5056	1.00	5089	1.08
5090	1.03	5091	1.02
5091	1.02	5094	1.00
5092	1.01	5110	1.01
5095	1.00	5113	1.03
5110	1.01	5115	1.11
5112	1.02	5116	1.00
5113	1.03	5129	1.07
5114	1.05	5130	1.04
5115	1.10	5131	1.03
5116	1.00	5133	1.00
5127	1.06	5184	1.02
5130	1.03	5185	1.03
5133	1.00	5186	1.04
5163	1.01	5187	1.08
5168	1.00	5189	1.00
5184	1.02	5199	1.03
5185	1.03	5202	1.02
5186	1.04	5203	1.01
5187	1.08	5205	1.00
5189	1.00	5222	1.01
5199	1.03	5224	1.03
5202	1.02	5225	1.00
5203	1.01	5233	1.04
5205	1.00	5237	1.01
5222	1.01	5240	1.00
5224	1.04	5255	1.01
5225	1.00	5256	1.02
5234	1.03	5258	1.03
5235	1.02	5259	1.05
5236	1.01	5262	1.00
5239	1.00	5271	1.07
5254	1.01	5273	1.04
5256	1.02	5275	1.03
5258	1.03	5278	1.02
5259	1.04	5279	1.00
5262	1.00	5290	1.02

P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
5271	1.05	5291	1.02
5275	1.03	5292	1.03
5276	1.02	5293	1.05
5278	1.00	5294	1.14
5290	1.01	5295	1.00
5291	1.02	5313	1.00
5293	1.03		
5294	1.05	7000	1.00
5295	1.08	7017	1.06
5297	1.00	7018	1.03
5313	1.00	7019	1.02
7000	1.00	7021	1.00
7017	1.06	7036	1.01
7018	1.02	7037	1.02
7019	1.01	7039	1.03
7020	1.00	7040	1.05
7021	1.00	7041	1.07
7036	1.02	7042	1.00
7037	1.02	7051	1.15
7038	1.02	7052	1.06
7039	1.03	7053	1.03
7040	1.04	7054	1.02
7041	1.06	7055	1.01
7042	1.00	7057	1.00
7051	1.13	7072	1.01
7052	1.06	7075	1.03
7053	1.03	7077	1.00
7055	1.01	7089	1.08
7056	1.00	7091	1.02
7090	1.03	7094	1.00
7091	1.02	7110	1.01
7092	1.01	7113	1.03
7095	1.00	7115	1.11
7110	1.01	7116	1.00
7112	1.02	7129	1.07
7113	1.03	7130	1.04
7114	1.05	7131	1.03

P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
7115	1.10	7133	1.00
7116	1.00	7184	1.02
7127	1.06	7185	1.03
7130	1.03	7186	1.04
7133	1.00	7187	1.08
7163	1.01	7189	1.00
7168	1.00	7199	1.03
7184	1.02	7202	1.02
7185	1.03	7203	1.01
7186	1.04	7205	1.00
7187	1.08	7222	1.01
7189	1.00	7224	1.03
7199	1.03	7225	1.00
7202	1.02	7233	1.03
7203	1.01	7237	1.01
7205	1.00	7240	1.00
7222	1.01	7253	1.01
7224	1.04	7255	1.02
7225	1.00	7256	1.03
7234	1.03	7257	1.05
7235	1.02	7260	1.00
7236	1.01	7269	1.07
7239	1.00	7270	1.04
7253	1.01	7272	1.03
7255	1.02	7275	1.02
7256	1.03	7276	1.00
7257	1.04	7288	1.02
7260	1.00	7289	1.02
7269	1.05	7290	1.03
7272	1.03	7291	1.05
7273	1.02	7292	1.14
7275	1.00	7293	1.00
7288	1.01	7311	1.00
7289	1.02		
7291	1.03	9000	1.00
7292	1.05	9017	1.06
7293	1.08	9018	1.03

P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
7295	1.00	9019	1.02
7311	1.00	9021	1.00
9000	1.00	9036	1.01
9017	1.06	9037	1.02
9018	1.02	9039	1.03
9019	1.01	9040	1.05
9020	1.00	9041	1.07
9021	1.00	9042	1.00
9036	1.02	9051	1.15
9037	1.02	9052	1.06
9038	1.02	9053	1.03
9039	1.03	9054	1.02
9040	1.04	9055	1.01
9041	1.06	9057	1.00
9042	1.00	9072	1.01
9051	1.13	9075	1.03
9052	1.06	9077	1.00
9053	1.03	9089	1.08
9055	1.01	9091	1.02
9056	1.00	9094	1.00
9090	1.03	9110	1.01
9091	1.02	9113	1.03
9092	1.01	9115	1.11
9095	1.00	9116	1.00
9110	1.01	9129	1.07
9112	1.02	9130	1.04
9113	1.03	9131	1.03
9114	1.05	9133	1.00
9115	1.10	9184	1.02
9116	1.00	9185	1.03
9127	1.06	9186	1.04
9130	1.03	9187	1.08
9133	1.00	9189	1.00
9163	1.01	9199	1.03
9168	1.00	9202	1.02
9184	1.02	9203	1.01
9185	1.03	9205	1.00

P-DELTA ANALYSIS MOMENT MAGNIFIER

NODE	NCDL	NODE	CDL
9186	1.04	9222	1.01
9187	1.08	9224	1.03
9189	1.00	9225	1.00
9199	1.03	9232	1.03
9202	1.02	9236	1.01
9203	1.01	9240	1.00
9205	1.00	9254	1.01
9222	1.01	9256	1.02
9224	1.04	9257	1.03
9225	1.00	9259	1.05
9232	1.03	9261	1.00
9233	1.02	9269	1.07
9235	1.01	9270	1.04
9239	1.00	9272	1.03
9254	1.01	9275	1.02
9255	1.02	9276	1.00
9256	1.03	9288	1.02
9258	1.04	9289	1.02
9261	1.00	9290	1.03
9269	1.05	9291	1.05
9272	1.03	9292	1.14
9273	1.02	9293	1.00
9275	1.00	9312	1.00
9288	1.01		
9289	1.02		
9291	1.03		
9292	1.05		
9293	1.08		
9295	1.00		
9312	1.00		

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1	2	3	4	5	6	7	8	9
1000_1000	1000	1000	61.084	425.706	0.167	-7.634	0	-342.56
1000_1001	1000	1001	-18.947	-368.878	-0.167	7.634	-2.847	6904.883
1001_1001	1001	1001	18.942	368.872	0.163	4.746	2.847	-6904.86
1001_1002	1001	1002	3.009	-332.603	-0.163	-4.746	-4.616	10610.65
1002_1002	1002	1002	-3.06	308.045	0.656	-7.173	4.616	-10609.8
1002_1003	1002	1003	22.617	-267.3	-0.656	7.173	-12.615	14027.68
1003_1003	1003	1003	-22.616	267.295	0.654	3.549	12.615	-14027.7
1003_1004	1003	1004	37.314	-226.546	-0.654	-3.549	-20.593	16971.39
1004_1004	1004	1004	-37.26	206.176	0.53	-9.016	20.593	-16970.1
1004_1005	1004	1005	50.513	-165.416	-0.53	9.016	-27.052	19175.77
1005_1005	1005	1005	-50.514	165.41	0.528	5.742	27.052	-19175.8
1005_1006	1005	1006	58.905	-124.646	-0.528	-5.742	-33.488	20906.85
1006_1006	1006	1006	-58.909	100.406	0.093	-9.307	33.488	-20905.6
1006_1007	1006	1007	65.457	-59.664	-0.093	9.307	-34.621	21851.95
1007_1007	1007	1007	-65.457	59.659	0.091	7.546	34.621	-21852
1007_1008	1007	1008	67.146	-18.913	-0.091	-7.546	-35.731	22324
1008_1008	1008	1008	-67.137	-5.96	0.362	-7.476	35.731	-22323.2
1008_1009	1008	1009	67.349	46.685	-0.362	7.476	-40.144	22002.27
1009_1009	1009	1009	-67.349	-46.69	0.361	7.437	40.144	-22002.3
1009_1010	1009	1010	62.7	87.452	-0.361	-7.437	-44.543	21206.52
1010_1010	1010	1010	-62.699	-112.299	0.007	-15.253	44.543	-21206.1
1010_1011	1010	1011	56.461	153.036	-0.007	15.253	-44.633	19618.62
1011_1011	1011	1011	-56.461	-153.041	0.003	16.718	44.633	-19618.6
1011_1012	1011	1012	45.374	193.753	-0.003	-16.718	-44.675	17558.33
1012_1012	1012	1012	-45.375	-219.391	-0.672	6.802	44.675	-17558.3
1012_1013	1012	1013	31.917	260.14	0.672	-6.802	-36.483	14697.74
1013_1013	1013	1013	-31.918	-260.145	-0.67	-4.358	36.483	-14697.7
1013_1014	1013	1014	13.602	300.89	0.67	4.358	-28.315	11363.09
1014_1014	1014	1014	-13.599	-326.189	0.401	3.921	28.315	-11363.1
1014_1015	1014	1015	-16.129	382.109	-0.401	-3.921	-35.018	5575.598
1015_1015	1015	1015	14.334	-380.921	0.426	-2.627	35.965	-5535.78
1015_1016	1015	1016	-35.339	406.886	-0.426	2.626	-39.477	2365.218
1016_1016	1016	1016	70.952	-427.977	3.518	-0.432	32.669	-2496.97
1016_1017	1016	1017	-100.649	465.203	-3.518	0.408	-74.01	-2621.76
1017_1017	1017	1017	113.585	-463.128	3.522	1.099	74.186	2621.383
1017_1018	1017	1018	-142.056	507.983	-3.522	-1.139	-120.948	-8913.6
1018_1018	1018	1018	157.737	-523.548	-2.747	-10.212	120.212	8913.845
1018_1019	1018	1019	-177.157	567.848	2.747	10.278	-85.749	-15611.7
1019_1019	1019	1019	192.519	-564.808	-2.742	12.222	88.356	15612.44
1019_1020	1019	1020	-206.271	611.733	2.742	-12.149	-53.824	-22865.5
1020_1020	1020	1020	-2136.8	174.482	-4.908	-3.276	160.034	3992.955
1020_1021	1020	1021	2156.538	-143.779	4.908	3.276	-113.397	-2560.13
1021_1021	1021	1021	-2151.54	143.685	-2.235	-0.439	111.445	2535.748
1021_1022	1021	1022	2165.974	-120.764	2.235	0.439	-94.122	-1569.01
1022_1022	1022	1022	-2165.98	120.752	0.53	1.443	94.122	1569.008
1022_1023	1022	1023	2178.192	-97.834	-0.53	-1.443	-98.232	-771.2
1023_1023	1023	1023	-2178.17	79.049	-10.622	-0.487	98.232	771.186
1023_1024	1023	1024	2188.377	-55.39	10.622	0.487	-13.262	-274.519
1024_1024	1024	1024	-2188.38	55.378	-10.622	-0.487	13.262	274.519
1024_1025	1024	1025	2196.23	-31.718	10.622	0.487	71.708	42.275
1025_1025	1025	1025	-2196.24	28.327	-7.942	-0.422	-71.708	-42.275
1025_1026	1025	1026	2199.335	-4.67	7.942	0.422	135.231	161.813

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1026_1026	1026	1026	-2199.34	-12.373	-5.022	-0.498	-135.231	-161.806
1026_1027	1026	1027	2200.484	30.108	5.022	0.498	165.347	29.836
1027_1027	1027	1027	-2200.49	-30.117	-1.057	-0.329	-165.347	-29.835
1027_1028	1027	1028	2200.308	47.878	1.057	0.329	171.694	-203.622
1028_1028	1028	1028	-2200.31	-47.887	-1.446	-0.388	-171.694	203.622
1028_1029	1028	1029	2198.8	65.619	1.446	0.388	180.366	-537.806
1029_1029	1029	1029	-2198.8	-65.628	-1.057	-0.27	-180.366	537.806
1029_1030	1029	1030	2195.962	83.389	1.057	0.27	186.713	-973.826
1030_1030	1030	1030	-2195.95	-100.091	7.812	-0.319	-186.713	973.822
1030_1031	1030	1031	2190.59	123.738	-7.812	0.319	124.253	-1847.06
1031_1031	1031	1031	-2190.59	-123.75	8.099	-0.066	-124.253	1847.063
1031_1032	1031	1032	2182.864	147.426	-8.099	0.066	59.422	-2901.4
1032_1032	1032	1032	-2182.87	-147.438	7.812	-0.452	-59.422	2901.403
1032_1033	1032	1033	2172.792	171.085	-7.812	0.452	-3.039	-4134.22
1033_1033	1033	1033	-2172.84	-188.046	-5.68	-25.114	3.039	4134.363
1033_1034	1033	1034	2160.935	210.974	5.68	25.114	40.998	-5633.19
1034_1034	1034	1034	-2160.94	-210.986	-2.913	-18.059	-40.998	5633.217
1034_1035	1034	1035	2146.818	233.911	2.913	18.059	63.576	-7300.73
1035_1035	1035	1035	-2152.48	-234.007	17.887	49.971	-62.827	7328.618
1035_1036	1035	1036	2133.158	264.709	-17.887	-49.971	-107.131	-9620.3
1036_1036	1036	1036	171.928	502.318	2.088	-10.506	-9.731	30048.65
1036_1037	1036	1037	-162.468	-455.382	-2.088	10.547	-16.556	-24148.7
1037_1037	1037	1037	150.083	457.429	2.12	7.48	14.604	24147.96
1037_1038	1037	1038	-136.231	-413.085	-2.12	-7.443	-41.213	-18808.4
1038_1038	1038	1038	123.935	401.423	-3.067	-3.259	41.999	18809
1038_1039	1038	1039	-102.794	-356.578	3.067	3.229	-1.313	-13908.1
1039_1039	1039	1039	599.161	351.545	-1.282	1.386	17.244	11190.73
1039_1040	1039	1040	-590.783	-314.003	1.282	-1.353	-2.171	-7428.24
1040_1040	1040	1040	584.207	299.669	0.333	-0.085	2.255	7429.44
1040_1041	1040	1041	-552.452	-273.761	-0.333	0.073	-5.002	-5229.42
1041_1041	1041	1041	637.119	275.606	0.065	-0.554	9.097	4801.733
1041_1042	1041	1042	-539.262	-228.992	-0.065	0.554	-10.159	-1117.36
1042_1042	1042	1042	539.261	207.661	-0.056	2.003	10.159	1117.398
1042_1043	1042	1043	-471.831	-173.416	0.056	-2.003	-9.492	867.199
1043_1043	1043	1043	471.831	173.422	-0.007	-2.525	9.492	-867.199
1043_1044	1043	1044	-410.151	-139.179	0.007	2.525	-9.408	2464.418
1044_1044	1044	1044	410.163	114.454	0.168	2.744	9.408	-2464.47
1044_1045	1044	1045	-354.549	-80.216	-0.168	-2.744	-11.415	3378.91
1045_1045	1045	1045	354.549	80.222	0.216	-2.907	11.415	-3378.91
1045_1046	1045	1046	-304.68	-45.986	-0.216	2.907	-14.004	3906.205
1046_1046	1046	1046	304.688	23.211	-0.165	2.502	14.004	-3906.31
1046_1047	1046	1047	-257.139	11.049	0.165	-2.502	-12.021	3759.657
1047_1047	1047	1047	257.139	-11.044	-0.121	-2.19	12.021	-3759.66
1047_1048	1047	1048	-215.375	45.273	0.121	2.19	-10.577	3226.041
1048_1048	1048	1048	215.38	-67.405	0.007	3.106	10.577	-3226.1
1048_1049	1048	1049	-176.471	101.661	-0.007	-3.106	-10.665	2027.902
1049_1049	1049	1049	176.472	-101.655	0.101	-2.36	10.665	-2027.9
1049_1050	1049	1050	-143.341	135.877	-0.101	2.36	-11.875	443.893
1050_1050	1050	1050	143.332	-156.434	-0.179	-0.365	11.875	-443.872
1050_1051	1050	1051	-103.862	203.006	0.179	0.365	-8.962	-2682.52
1051_1051	1051	1051	104.226	-201.911	-0.114	2.883	8.67	2692.839
1051_1052	1051	1052	-89.103	226.134	0.114	-2.887	-7.731	-4538.71
1052_1052	1052	1052	94.697	-243.358	1.114	-2.682	7.613	4539.644

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1052_1053	1052	1053	-78.028	278.312	-1.114	2.705	-20.71	-7714.31
1053_1053	1053	1053	79.671	-276.913	2.529	6.934	22.725	7748.339
1053_1054	1053	1054	-78.028	321.273	-2.529	-6.951	-56.298	-11762.1
1054_1054	1054	1054	88.495	-334.413	-1.627	-4.898	55.552	11764.51
1054_1055	1054	1055	-93.803	378.003	1.627	4.945	-35.136	-16242.3
1055_1055	1055	1055	104.21	-375.29	-1.577	8.795	36.716	16245.45
1055_1056	1055	1056	-114.29	421.203	1.577	-8.744	-16.848	-21235.3
1056_1056	1056	1056	-1765.9	244.268	-2.578	-2.205	63.762	6415.015
1056_1057	1056	1057	1793.213	-213.897	2.578	2.205	-39.271	-4353.1
1057_1057	1057	1057	-1794.32	213.89	-1.178	1.173	39.769	4324.245
1057_1058	1057	1058	1814.379	-189.589	1.178	-1.173	-30.641	-2845.63
1058_1058	1058	1058	-1814.38	189.59	-1.178	1.173	30.641	2845.629
1058_1059	1058	1059	1832.348	-165.288	1.178	-1.173	-21.514	-1546.88
1059_1059	1059	1059	-1832.42	147.546	-9.42	-1.048	21.514	1546.908
1059_1060	1059	1060	1848.705	-122.429	9.42	1.048	53.909	-535.254
1060_1060	1060	1060	-1848.72	119.042	-7.109	0.501	-53.909	535.252
1060_1061	1060	1061	1860.477	-93.958	7.109	-0.501	110.753	265.307
1061_1061	1061	1061	-1860.49	93.959	-4.489	1.344	-110.753	-265.31
1061_1062	1061	1062	1870.026	-68.845	4.489	-1.344	146.687	874.835
1062_1062	1062	1062	-1870	52.496	-2.799	0.539	-146.687	-874.839
1062_1063	1062	1063	1876.033	-33.668	2.799	-0.539	163.484	1106.318
1063_1063	1063	1063	-1876.04	33.669	0.293	0.478	-163.484	-1106.32
1063_1064	1063	1064	1880.807	-14.874	-0.293	-0.478	161.731	1229.714
1064_1064	1064	1064	-1880.81	14.875	0.491	0.467	-161.731	-1229.71
1064_1065	1064	1065	1884.332	3.951	-0.491	-0.467	158.785	1245.462
1065_1065	1065	1065	-1884.33	-3.951	3.781	0.351	-158.785	-1245.46
1065_1066	1065	1066	1886.595	22.775	-3.781	-0.351	136.098	1153.284
1066_1066	1066	1066	-1886.57	-39.421	5.433	0.277	-136.098	-1153.3
1066_1067	1066	1067	1888.029	64.531	-5.433	-0.277	92.61	727.586
1067_1067	1067	1067	-1888.02	-64.53	7.9	0.946	-92.61	-727.588
1067_1068	1067	1068	1887.248	89.638	-7.9	-0.946	29.381	109.898
1068_1068	1068	1068	-1887.25	-89.638	7.758	0.861	-29.381	-109.898
1068_1069	1068	1069	1884.246	114.714	-7.758	-0.861	-32.632	-698.661
1069_1069	1069	1069	-1884.32	-131.891	3.632	-0.191	32.632	698.698
1069_1070	1069	1070	1879.258	156.211	-3.632	0.191	-60.79	-1798.83
1070_1070	1070	1070	-1879.26	-156.21	3.632	-0.191	60.79	1798.826
1070_1071	1070	1071	1872.101	180.53	-3.632	0.191	-88.947	-3079.09
1071_1071	1071	1071	-1869.92	-180.54	5.096	3.018	91.072	3104.159
1071_1072	1071	1072	1858.312	210.893	-5.096	-3.018	-139.454	-4920.11
1072_1072	1072	1072	73.881	470.058	0.814	-6.098	31.518	19388.29
1072_1073	1072	1073	-35.127	-424.499	-0.814	6.155	-41.78	-13933.2
1073_1073	1073	1073	23.556	427.217	0.856	5.287	40.441	13931.22
1073_1074	1073	1074	20.749	-384.062	-0.856	-5.235	-51.183	-9004.93
1074_1074	1074	1074	-32.392	371.105	-2.55	0.088	51.543	9003.958
1074_1075	1074	1075	79.907	-327.174	2.55	-0.119	-17.697	-4514.82
1075_1075	1075	1075	394.586	322.849	-0.836	-0.4	21.44	1915.369
1075_1076	1075	1076	-378.012	-288.474	0.836	0.419	-11.612	1553.727
1076_1076	1076	1076	371.849	270.158	-0.033	4.387	11.547	-1553.25
1076_1077	1076	1077	-348.318	-246.354	0.033	-4.394	-11.272	3572.036
1077_1077	1077	1077	318.527	248.417	0.14	-4.34	11.53	-3531.96
1077_1078	1077	1078	-272.036	-203.472	-0.14	4.34	-13.602	6670.858
1078_1078	1078	1078	272.029	183.593	0.142	4.721	13.602	-6670.99
1078_1079	1078	1079	-239.925	-149.484	-0.142	-4.721	-15.201	8398.285

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1079_1079	1079	1079	239.924	149.494	0.19	-5.158	15.201	-8398.29
1079_1080	1079	1080	-212.316	-115.356	-0.19	5.158	-17.34	9762.222
1080_1080	1080	1080	212.321	94.537	-0.137	5.235	17.34	-9762.5
1080_1081	1080	1081	-186.378	-60.402	0.137	-5.235	-15.795	10514.38
1081_1081	1081	1081	186.378	60.412	-0.091	-5.581	15.795	-10514.4
1081_1082	1081	1082	-164.961	-26.278	0.091	5.581	-14.766	10901.33
1082_1082	1082	1082	164.964	3.792	-0.095	9.824	14.766	-10901.6
1082_1083	1082	1083	-143.895	32.889	0.095	-9.824	-13.618	10625.12
1083_1083	1083	1083	143.895	-32.878	-0.01	-9.637	13.618	-10625.1
1083_1084	1083	1084	-128.052	69.556	0.01	9.637	-13.501	9927.297
1084_1084	1084	1084	128.057	-91.673	-0.125	8.666	13.501	-9927.54
1084_1085	1084	1085	-115.122	125.802	0.125	-8.666	-12.092	8638.255
1085_1085	1085	1085	115.122	-125.791	-0.034	-7.946	12.092	-8638.25
1085_1086	1085	1086	-106.71	159.918	0.034	7.946	-11.715	6984.303
1086_1086	1086	1086	106.706	-180.342	-0.377	5.149	11.715	-6984.42
1086_1087	1086	1087	-100.314	214.469	0.377	-5.149	-7.467	4724.95
1087_1087	1087	1087	100.313	-214.459	-0.286	-3.901	7.467	-4724.95
1087_1088	1087	1088	-98.444	248.583	0.286	3.901	-4.252	2100.925
1088_1088	1088	1088	98.442	-266.833	-0.017	0.652	4.252	-2100.98
1088_1089	1088	1089	-99.536	310.054	0.017	-0.652	-4.007	-2019.44
1089_1089	1089	1089	103.76	-308.878	-0.008	0.075	4.289	2045.222
1089_1090	1089	1090	-107.173	333.86	0.008	-0.079	-4.223	-4693.31
1090_1090	1090	1090	114.969	-352.633	0.776	-2.193	4.156	4694.009
1090_1091	1090	1091	-123.849	388.533	-0.776	2.21	-13.278	-9027.49
1091_1091	1091	1091	128.338	-385.935	1.933	3.016	13.983	9062.727
1091_1092	1091	1092	-141.941	429.906	-1.933	-3.052	-39.64	-14420.6
1092_1092	1092	1092	155.13	-440.627	-1.325	-14.163	38.273	14422.65
1092_1093	1092	1093	-166.379	483.947	1.325	14.206	-21.63	-20165.4
1093_1093	1093	1093	179.642	-480.17	-1.241	17.244	24.981	20168.22
1093_1094	1093	1094	-189.996	525.794	1.241	-17.198	-9.364	-26422.4
1094_1094	1094	1094	-2067.16	214.123	0.531	-4.646	-51.405	7058.028
1094_1095	1094	1095	2088.535	-183.964	-0.531	4.646	46.356	-5253.59
1095_1095	1095	1095	-2090.63	184.033	1.104	-3.166	-46.245	5263.822
1095_1096	1095	1096	2105.181	-160.014	-1.104	3.166	37.687	-3989.7
1096_1096	1096	1096	-2105.18	160.019	6.766	7.618	-37.687	3989.687
1096_1097	1096	1097	2117.707	-136.033	-6.766	-7.618	-14.697	-2895.11
1097_1097	1097	1097	-2117.78	119.361	-4.527	-2.395	14.697	2895.196
1097_1098	1097	1098	2128.646	-94.569	4.527	2.395	21.53	-2084.1
1098_1098	1098	1098	-2128.65	94.574	-1.75	0.773	-21.53	2084.097
1098_1099	1098	1099	2137.38	-69.782	1.75	-0.773	35.533	-1462.86
1099_1099	1099	1099	-2137.38	69.788	-1.75	0.773	-35.533	1462.857
1099_1100	1099	1100	2143.976	-44.996	1.75	-0.773	49.536	-1031.45
1100_1100	1100	1100	-2143.87	29.687	11.905	8.655	-49.536	1031.405
1100_1101	1100	1101	2147.754	-11.094	-11.905	-8.655	-21.913	-925.691
1101_1101	1101	1101	-2147.75	11.098	11.825	8.598	21.913	925.691
1101_1102	1101	1102	2150.432	7.464	-11.825	-8.598	-92.762	-926.657
1102_1102	1102	1102	-2150.42	-7.46	-14.008	-10.155	92.762	926.653
1102_1103	1102	1103	2151.903	26.059	14.008	10.155	-8.667	-1034.35
1103_1103	1103	1103	-2151.92	-26.055	-10.307	-7.242	8.667	1034.366
1103_1104	1103	1104	2152.205	44.653	10.307	7.242	53.208	-1248.89
1104_1104	1104	1104	-2152.19	-59.942	0.252	-1.975	-53.208	1248.892
1104_1105	1104	1105	2151.132	84.708	-0.252	1.975	51.19	-1824.38
1105_1105	1105	1105	-2151.13	-84.703	3.115	1.345	-51.19	1824.382

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1105_1106	1105	1106	2147.932	109.499	-3.115	-1.345	26.257	-2590.35
1106_1106	1106	1106	-2147.93	-109.493	3.115	1.345	-26.257	2590.35
1106_1107	1106	1107	2142.599	134.289	-3.115	-1.345	1.324	-3546.21
1107_1107	1107	1107	-2142.62	-150.536	-2.891	-2.473	-1.324	3546.249
1107_1108	1107	1108	2135.441	174.525	2.891	2.473	23.708	-4777.59
1108_1108	1108	1108	-2135.44	-174.52	-2.809	-2.271	-23.708	4777.585
1108_1109	1108	1109	2126.247	198.54	2.809	2.271	45.49	-6188.59
1109_1109	1109	1109	-2126.05	-198.487	-0.594	4.767	-46.357	6187.657
1109_1110	1109	1110	2111.563	228.647	0.594	-4.767	52.003	-8161.39
1110_1110	1110	1110	159.098	512.815	1.306	-19.454	7.732	27668.89
1110_1111	1110	1111	-136.163	-467.34	-1.306	19.513	-24.164	-21641.6
1111_1111	1111	1111	123.092	467.33	1.408	16.786	20.313	21639.55
1111_1112	1111	1112	-97.293	-424.194	-1.408	-16.732	-37.999	-16164.1
1112_1112	1112	1112	84.748	415.264	-1.893	-3.527	39.623	16163.2
1112_1113	1112	1113	-53.395	-371.436	1.893	3.493	-14.483	-11060
1113_1113	1113	1113	476.203	368.864	-1.161	2.726	20.775	8733.273
1113_1114	1113	1114	-464.344	-332.929	1.161	-2.725	-7.136	-4735.25
1114_1114	1114	1114	457.219	319.535	0.224	3.458	7.164	4735.976
1114_1115	1114	1115	-430.435	-294.638	-0.224	-3.462	-9.015	-2331.77
1115_1115	1115	1115	486.012	296.415	0.318	-1.592	9.221	1905.26
1115_1116	1115	1116	-416.806	-253.983	-0.318	1.592	-13.923	1845.904
1116_1116	1116	1116	416.81	234.631	-0.306	3.201	13.923	-1845.93
1116_1117	1116	1117	-367.442	-202.313	0.306	-3.201	-10.481	4079.04
1117_1117	1117	1117	367.442	202.327	-0.255	-3.598	10.481	-4079.04
1117_1118	1117	1118	-322.966	-170.009	0.255	3.598	-7.607	5969.51
1118_1118	1118	1118	322.966	150.281	-0.046	8.693	7.607	-5969.51
1118_1119	1118	1119	-279.982	-117.935	0.046	-8.693	-7.091	7281.624
1119_1119	1119	1119	279.982	117.949	0.054	-8.903	7.091	-7281.63
1119_1120	1119	1120	-241.93	-85.633	-0.054	8.903	-7.703	8249.805
1120_1120	1120	1120	241.929	63.886	-0.212	4.39	7.703	-8249.81
1120_1121	1120	1121	-202.634	-29.128	0.212	-4.39	-5.139	8628.905
1121_1121	1121	1121	202.634	29.144	-0.166	-4.169	5.139	-8628.91
1121_1122	1121	1122	-169.023	5.585	0.166	4.169	-3.137	8611.898
1122_1122	1122	1122	169.024	-27.149	-0.12	4.279	3.137	-8611.9
1122_1123	1122	1123	-139.146	59.493	0.12	-4.279	-1.781	7981.493
1123_1123	1123	1123	139.146	-59.478	-0.07	-3.705	1.781	-7981.49
1123_1124	1123	1124	-114.187	91.793	0.07	3.705	-0.988	7008.965
1124_1124	1124	1124	114.187	-114.735	-0.302	5.628	0.988	-7008.97
1124_1125	1124	1125	-94.351	147.079	0.302	-5.628	2.411	5435.071
1125_1125	1125	1125	94.351	-147.064	-0.201	-4.799	-2.411	-5435.07
1125_1126	1125	1126	-79.425	179.378	0.201	4.799	4.677	3519.928
1126_1126	1126	1126	79.421	-196.372	-0.581	0.312	-4.677	-3519.91
1126_1127	1126	1127	-63.931	236.442	0.581	-0.312	12.781	415.904
1127_1127	1127	1127	67.255	-235.32	-0.494	0.337	-12.515	-400.058
1127_1128	1127	1128	-61.575	258.519	0.494	-0.342	16.594	-1675.7
1128_1128	1128	1128	67.652	-271.961	1.957	-3.923	-16.739	1676.581
1128_1129	1128	1129	-64.671	305.358	-1.957	3.953	-6.274	-5116.04
1129_1129	1129	1129	74.538	-302.473	3.992	8.53	6.059	5110.706
1129_1130	1129	1130	-85.188	345.287	-3.992	-8.564	-59.053	-9403.4
1130_1130	1130	1130	97.368	-373.296	-8.31	-6.272	58.095	9405.848
1130_1131	1130	1131	-121.274	415.466	8.31	6.335	46.199	-14265.9
1131_1131	1131	1131	132.555	-411.655	-8.26	7.227	-44.908	14269.37
1131_1132	1131	1132	-154.044	456.2	8.26	-7.157	148.959	-19632.4

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1132_1132	1132	1132	-1719.23	203.947	33.802	16.373	-410.354	4849.43
1132_1133	1132	1133	1742.426	-174.562	-33.802	-16.373	89.232	-3146.11
1133_1133	1133	1133	-1746.58	174.473	31.383	11.942	-89.603	3166.182
1133_1134	1133	1134	1764.142	-152.227	-31.383	-11.942	-153.613	-1972.25
1134_1134	1134	1134	-1764.35	152.235	1.52	-25.935	153.613	1972.153
1134_1135	1134	1135	1779.624	-129.985	-1.52	25.935	-165.395	-941.309
1135_1135	1135	1135	-1779.68	109.629	-3.755	0.376	165.395	941.811
1135_1136	1135	1136	1792.422	-86.66	3.755	-0.376	-135.352	-209.397
1136_1136	1136	1136	-1792.42	86.669	-6.165	-0.771	135.352	209.397
1136_1137	1136	1137	1802.718	-63.699	6.165	0.771	-86.024	349.035
1137_1137	1137	1137	-1802.73	63.708	-3.755	-0.203	86.024	-349.035
1137_1138	1137	1138	1810.586	-40.739	3.755	0.203	-55.982	733.456
1138_1138	1138	1138	-1810.66	24.951	-3.577	-0.03	55.982	-733.455
1138_1139	1138	1139	1815.429	-7.752	3.577	0.03	-34.549	810.831
1139_1139	1139	1139	-1815.43	7.759	-0.294	0.187	34.549	-810.832
1139_1140	1139	1140	1818.836	9.468	0.294	-0.187	-32.786	790.542
1140_1140	1140	1140	-1818.84	-9.461	-0.294	0.187	32.786	-790.542
1140_1141	1140	1141	1820.867	26.688	0.294	-0.187	-31.023	672.381
1141_1141	1141	1141	-1820.87	-26.681	-3.507	-0.392	31.023	-672.381
1141_1142	1141	1142	1821.523	43.908	3.507	0.392	-9.973	456.339
1142_1142	1142	1142	-1821.53	-63.265	0.228	0.911	9.973	-456.33
1142_1143	1142	1143	1818.475	86.234	-0.228	-0.911	-11.8	-131.723
1143_1143	1143	1143	-1818.48	-86.225	0.228	0.911	11.8	131.723
1143_1144	1143	1144	1812.979	109.194	-0.228	-0.911	-13.628	-893.77
1144_1144	1144	1144	-1812.98	-109.185	-2.182	-1.532	13.628	893.77
1144_1145	1144	1145	1805.04	132.154	2.182	1.532	3.832	-1829.84
1145_1145	1145	1145	-1805	-148.266	-5.159	-0.755	-3.832	1829.816
1145_1146	1145	1146	1795.066	170.489	5.159	0.755	43.773	-3026.15
1146_1146	1146	1146	-1795.07	-170.48	-5.108	-0.647	-43.773	3026.145
1146_1147	1146	1147	1782.828	192.732	5.108	0.647	83.367	-4387.21
1147_1147	1147	1147	-1773.54	-192.802	-3.842	2.846	-82.98	4341.883
1147_1148	1147	1148	1755.932	222.191	3.842	-2.846	119.484	-6245.57
1148_1148	1148	1148	102.689	424.456	0.09	-8.14	-4.839	21146.17
1148_1149	1148	1149	-75.229	-380.099	-0.09	8.171	3.706	-16209.2
1149_1149	1149	1149	64.829	383.001	0.158	6.244	-5.227	16206.65
1149_1150	1149	1150	-33.439	-341.04	-0.158	-6.216	3.239	-11784.2
1150_1150	1150	1150	23.029	329.677	-0.014	-1.088	-2.606	11782.66
1150_1151	1150	1151	11.347	-287.012	0.014	1.07	2.792	-7796.69
1151_1151	1151	1151	487.61	282.246	-0.136	-0.316	-1.774	5072.317
1151_1152	1151	1152	-470.065	-248.334	0.136	0.303	3.369	-2103.48
1152_1152	1152	1152	464.757	234.423	-0.027	0.334	-3.376	2103.929
1152_1153	1152	1153	-433.703	-210.973	0.027	-0.334	3.599	-413.805
1153_1153	1153	1153	460.738	212.909	-0.007	-0.501	-3.622	270.861
1153_1154	1153	1154	-392.569	-174.88	0.007	0.501	3.72	2105.584
1154_1154	1154	1154	392.57	156.567	0.162	2.82	-3.72	-2105.6
1154_1155	1154	1155	-342.118	-126.122	-0.162	-2.82	1.934	3446.468
1155_1155	1155	1155	342.118	126.143	0.234	-3.067	-1.934	-3446.47
1155_1156	1155	1156	-296.78	-95.698	-0.234	3.067	-0.644	4472.89
1156_1156	1156	1156	296.783	77.715	0.011	3.522	0.644	-4472.91
1156_1157	1156	1157	-257.614	-49.982	-0.011	-3.522	-0.756	4944.47
1157_1157	1157	1157	257.614	50.001	0.089	-3.488	0.756	-4944.47
1157_1158	1157	1158	-222.721	-22.296	-0.089	3.488	-1.642	5155.045
1158_1158	1158	1158	222.72	4.956	0.09	3.284	1.642	-5155.06

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1158_1159	1158	1159	-189.597	22.776	-0.09	-3.284	-2.543	4921.312
1159_1159	1159	1159	189.597	-22.758	0.167	-3.016	2.543	-4921.31
1159_1160	1159	1160	-160.743	50.462	-0.167	3.016	-4.219	4427.296
1160_1160	1160	1160	160.744	-68.003	-0.097	0.263	4.219	-4427.33
1160_1161	1160	1161	-131.334	98.448	0.097	-0.263	-3.146	3380.595
1161_1161	1161	1161	131.334	-101.751	-0.097	0.263	3.146	-3380.6
1161_1162	1161	1162	-110.821	132.196	0.097	-0.263	-2.074	1997.887
1162_1162	1162	1162	110.819	-148.454	0.289	0.364	2.074	-1997.87
1162_1163	1162	1163	-89.216	186.482	-0.289	-0.364	-6.049	-407.532
1163_1163	1163	1163	92.635	-185.301	0.26	0.183	5.872	401.779
1163_1164	1163	1164	-83.97	208.781	-0.26	-0.186	-8.018	-2075.57
1164_1164	1164	1164	89.022	-222.676	0.045	0.312	8.028	2076.379
1164_1165	1164	1165	-80.922	256.488	-0.045	-0.309	-8.56	-4955.22
1165_1165	1165	1165	78.521	-253.562	1.123	0.467	2.733	5008.581
1165_1166	1165	1166	-82.269	296.085	-1.123	-0.508	-17.644	-8686.07
1166_1166	1166	1166	91.97	-308.141	-0.563	-4.909	17.213	8688.467
1166_1167	1166	1167	-101.616	349.941	0.563	4.956	-10.151	-12820.1
1167_1167	1167	1167	111.254	-346.13	-0.495	6.164	11.348	12823.64
1167_1168	1167	1168	-124.66	390.255	0.495	-6.112	-5.112	-17441.2
1168_1168	1168	1168	-1496.42	218.306	0.775	-1.435	-19.901	5093.022
1168_1169	1168	1169	1522.411	-189.113	-0.775	1.435	12.533	-3262.83
1169_1169	1169	1169	-1526.83	189.052	1.565	0.083	-13.276	3284.349
1169_1170	1169	1170	1546.265	-166.728	-1.565	-0.083	1.144	-1984.65
1170_1170	1170	1170	-1546.27	166.741	1.565	0.083	-1.144	1984.651
1170_1171	1170	1171	1563.304	-144.417	-1.565	-0.083	-10.988	-848.376
1171_1171	1171	1171	-1563.32	127.08	0.307	0.349	10.988	848.372
1171_1172	1171	1172	1578.186	-104.036	-0.307	-0.349	-13.447	15.177
1172_1172	1172	1172	-1578.19	104.05	-1.93	-0.446	13.447	-15.176
1172_1173	1172	1173	1590.487	-81.034	1.93	0.446	1.978	703.855
1173_1173	1173	1173	-1590.49	81.047	0.307	-0.405	-1.978	-703.855
1173_1174	1173	1174	1600.252	-58.003	-0.307	0.405	-0.482	1219.35
1174_1174	1174	1174	-1600.26	41.152	0.886	-0.186	0.482	-1219.37
1174_1175	1174	1175	1606.392	-23.869	-0.886	0.186	-5.799	1388.571
1175_1175	1175	1175	-1606.39	23.879	-2.035	0.67	5.799	-1388.57
1175_1176	1175	1176	1611.089	-6.595	2.035	-0.67	6.414	1459.826
1176_1176	1176	1176	-1611.09	6.606	0.886	-0.225	-6.414	-1459.83
1176_1177	1176	1177	1614.353	10.678	-0.886	0.225	1.097	1433.129
1177_1177	1177	1177	-1614.35	-10.667	0.886	-0.225	-1.097	-1433.13
1177_1178	1177	1178	1616.179	27.95	-0.886	0.225	-4.221	1308.481
1178_1178	1178	1178	-1616.19	-44.759	-0.994	0.012	4.221	-1308.48
1178_1179	1178	1179	1617.033	67.775	0.994	-0.012	3.726	853.44
1179_1179	1179	1179	-1617.03	-67.762	1.243	0.234	-3.726	-853.44
1179_1180	1179	1180	1615.325	90.806	-1.243	-0.234	-6.221	223.813
1180_1180	1180	1180	-1615.33	-90.792	1.243	0.234	6.221	-223.813
1180_1181	1180	1181	1611.065	113.836	-1.243	-0.234	-16.168	-579.947
1181_1181	1181	1181	-1611.08	-130.97	-2.324	0.806	16.168	579.981
1181_1182	1181	1182	1604.418	153.294	2.324	-0.806	1.847	-1657.23
1182_1182	1182	1182	-1604.42	-156.623	-2.324	0.806	-1.847	1657.228
1182_1183	1182	1183	1592.848	178.947	2.324	-0.806	19.862	-2913.81
1183_1183	1183	1183	-1582.9	-178.979	-2.975	-0.702	-19.008	2865.256
1183_1184	1183	1184	1565.655	208.169	2.975	0.702	47.274	-4638.21
1184_1184	1184	1184	87.265	396.637	0.37	5.275	-9.969	16817.09
1184_1185	1184	1185	-53.55	-352.786	-0.37	-5.229	5.306	-12218.1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1185_1185	1185	1185	43.79	356.562	0.298	-6.083	-4.128	12215.25
1185_1186	1185	1186	-6.991	-315.018	-0.298	6.124	0.381	-8105.15
1186_1186	1186	1186	-2.772	303.399	-0.483	-0.601	-0.895	8103.431
1186_1187	1186	1187	40.141	-261.153	0.483	0.573	7.312	-4446.4
1187_1187	1187	1187	411.471	258.196	-0.059	-0.664	3.651	1979.516
1187_1188	1187	1188	-396.404	-223.735	0.059	0.657	-2.955	733.977
1188_1188	1188	1188	391.574	208.492	-0.088	-2.139	2.956	-733.275
1188_1189	1188	1189	-366.053	-184.649	0.088	2.138	-2.234	2232.505
1189_1189	1189	1189	380.731	186.774	-0.133	0.734	2.3	-2239.37
1189_1190	1189	1190	-327.488	-146.562	0.133	-0.734	-0.466	4311.856
1190_1190	1190	1190	327.491	127.898	0.195	-4.241	0.466	-4311.85
1190_1191	1190	1191	-288.615	-95.729	-0.195	4.241	-2.607	5380.392
1191_1191	1191	1191	288.615	95.75	0.113	3.499	2.607	-5380.39
1191_1192	1191	1192	-254.76	-63.58	-0.113	-3.499	-3.854	6114.436
1192_1192	1192	1192	254.764	44.386	0.027	4.123	3.854	-6114.43
1192_1193	1192	1193	-226	-14.819	-0.027	-4.123	-4.129	6291.711
1193_1193	1193	1193	226	14.838	0.115	-4.406	4.129	-6291.71
1193_1194	1193	1194	-201.477	14.728	-0.115	4.406	-5.296	6186.424
1194_1194	1194	1194	201.49	-33.265	-0.157	0.082	5.296	-6186.51
1194_1195	1194	1195	-179.144	62.832	0.157	-0.082	-3.713	5603.049
1195_1195	1195	1195	179.144	-62.813	-0.157	0.082	3.713	-5603.05
1195_1196	1195	1196	-161.041	92.38	0.157	-0.082	-2.129	4737.009
1196_1196	1196	1196	161.017	-111.809	0.053	-1.683	2.129	-4736.94
1196_1197	1196	1197	-144.082	143.979	-0.053	1.683	-2.714	3251.792
1197_1197	1197	1197	144.082	-143.957	-0.03	2.246	2.714	-3251.79
1197_1198	1197	1198	-132.176	176.098	0.03	-2.246	-2.387	1433.907
1198_1198	1198	1198	132.193	-197.73	0.161	0.49	2.387	-1433.95
1198_1199	1198	1199	-126.613	237.942	-0.161	-0.49	-4.604	-1600.05
1199_1199	1199	1199	128.017	-236.476	0.125	0.099	4.315	1570.98
1199_1200	1199	1200	-127.118	261.246	-0.125	-0.104	-5.345	-3640.76
1200_1200	1200	1200	133.377	-277.475	1.003	0.529	5.363	3641.798
1200_1201	1200	1201	-133.966	313.137	-1.003	-0.499	-17.152	-7134.89
1201_1201	1201	1201	139.314	-309.275	3.075	0.897	14.234	7158.313
1201_1202	1201	1202	-149.393	355.196	-3.075	-0.957	-55.031	-11544.8
1202_1202	1202	1202	161.157	-370.354	-2.244	1.762	55.247	11548.05
1202_1203	1202	1203	-171.933	415.465	2.244	-1.702	-27.07	-16448.3
1203_1203	1203	1203	183.338	-410.779	-2.244	0.949	27.105	16452.65
1203_1204	1203	1204	-194.897	458.195	2.244	-0.883	1.154	-21877.8
1204_1204	1204	1204	-1819.39	231.988	5.951	1.582	-66.587	6241.697
1204_1205	1204	1205	1844.015	-200.383	-5.951	-1.582	10.039	-4290.58
1205_1205	1205	1205	-1843.69	200.343	4.566	-2.07	-9.634	4062.919
1205_1206	1205	1206	1861.903	-176.08	-4.566	2.07	-25.711	-2680.17
1206_1206	1206	1206	-1861.9	176.094	4.621	-1.989	25.711	2680.169
1206_1207	1206	1207	1877.847	-151.8	-4.621	1.989	-61.533	-1474.63
1207_1207	1207	1207	-1877.61	131.869	-7.071	-1.254	61.533	1474.669
1207_1208	1207	1208	1891.448	-106.791	7.071	1.254	-4.949	-576.778
1208_1208	1208	1208	-1891.46	106.805	-4.471	0.254	4.949	576.777
1208_1209	1208	1209	1902.852	-81.728	4.471	-0.254	30.827	130.238
1209_1209	1209	1209	-1902.85	81.741	-4.471	0.254	-30.827	-130.238
1209_1210	1209	1210	1911.807	-56.664	4.471	-0.254	66.602	646.402
1210_1210	1210	1210	-1911.94	38.824	-3.062	0.014	-66.602	-646.425
1210_1211	1210	1211	1917.415	-20.016	3.062	-0.014	84.979	799.716
1211_1211	1211	1211	-1917.42	20.026	0.405	0.189	-84.979	-799.718

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1211_1212	1211	1212	1921.524	-1.218	-0.405	-0.189	82.546	845.649
1212_1212	1212	1212	-1921.52	1.228	0.336	0.185	-82.546	-845.649
1212_1213	1212	1213	1924.255	17.548	-0.336	-0.185	80.534	784.418
1213_1213	1213	1213	-1924.25	-17.538	-3.062	-0.184	-80.534	-784.416
1213_1214	1213	1214	1925.617	36.347	3.062	0.184	98.91	615.812
1214_1214	1214	1214	-1925.76	-54.429	5.663	0.46	-98.91	-615.823
1214_1215	1214	1215	1925.843	79.507	-5.663	-0.46	53.594	77.651
1215_1215	1215	1215	-1925.85	-79.493	3.063	-0.809	-53.594	-77.651
1215_1216	1215	1216	1923.496	104.571	-3.063	0.809	29.087	-651.393
1216_1216	1216	1216	-1923.49	-104.557	5.663	1.405	-29.087	651.392
1216_1217	1216	1217	1918.696	129.635	-5.663	-1.405	-16.229	-1571.27
1217_1217	1217	1217	-1918.58	-148.564	-2.445	-0.166	16.229	1571.271
1217_1218	1217	1218	1911.577	172.858	2.445	0.166	2.726	-2791.16
1218_1218	1218	1218	-1911.58	-172.845	-2.501	-0.271	-2.726	2791.16
1218_1219	1218	1219	1902.3	197.107	2.501	0.271	22.086	-4188.24
1219_1219	1219	1219	-1897.11	-197.118	-1.09	3.201	-21.838	4395.707
1219_1220	1219	1220	1882.669	228.719	1.09	-3.201	32.198	-6361.86
1220_1220	1220	1220	182.455	468.443	2.712	-47.389	10.041	22083.33
1220_1221	1220	1221	-152.86	-421.311	-2.712	47.446	-44.193	-16615.2
1221_1221	1221	1221	141.268	426.557	3.076	42.264	34.623	16611.94
1221_1222	1221	1222	-106.602	-381.785	-3.076	-42.209	-73.237	-11669.7
1222_1222	1222	1222	95.135	373.636	-3.285	-3.231	77.09	11666.39
1222_1223	1222	1223	-55.337	-328	3.285	3.134	-33.472	-7139.61
1223_1223	1223	1223	508.964	326.127	-0.614	1.359	14.993	4600.061
1223_1224	1223	1224	-486.226	-289.872	0.614	-1.344	-7.771	-1144.94
1224_1224	1224	1224	479.836	275.136	0.147	10.049	7.699	1145.345
1224_1225	1224	1225	-444.86	-250.008	-0.147	-10.05	-8.915	853.847
1225_1225	1225	1225	416.211	252.996	0.426	-7.282	9.327	-666.227
1225_1226	1225	1226	-340.772	-201.335	-0.426	7.282	-16.32	4074.84
1226_1226	1226	1226	340.76	177.883	0.066	20.349	16.32	-4074.36
1226_1227	1226	1227	-288.134	-139.034	-0.066	-20.349	-17.13	5805.433
1227_1227	1227	1227	288.133	139.058	0.434	-19.925	17.13	-5805.44
1227_1228	1227	1228	-241.438	-100.239	-0.434	19.925	-22.486	7080.002
1228_1228	1228	1228	241.23	75.475	0.112	15.118	22.486	-7077.61
1228_1229	1228	1229	-198.993	-34.464	-0.112	-15.118	-23.865	7572.42
1229_1229	1229	1229	198.991	34.652	0.358	-14.137	23.865	-7572.42
1229_1230	1229	1230	-164.984	6.328	-0.358	14.137	-28.28	7596.187
1230_1230	1230	1230	164.878	-31.118	0.177	12.421	28.28	-7593.6
1230_1231	1230	1231	-136.763	72.102	-0.177	-12.421	-30.458	6829.232
1231_1231	1231	1231	136.768	-71.914	0.423	-11.531	30.458	-6829.24
1231_1232	1231	1232	-116.861	112.867	-0.423	11.531	-35.675	5595.374
1232_1232	1232	1232	116.86	-138.899	1.848	9.111	35.675	-5594.36
1232_1233	1232	1233	-108.668	171.744	-1.848	-9.111	-53.943	4013.526
1233_1233	1233	1233	108.634	-171.581	2.089	-3.197	53.943	-4013.31
1233_1234	1233	1234	-105.727	209.716	-2.089	3.197	-77.918	1798.741
1234_1234	1234	1234	111.686	-208.764	2.583	-9.893	82.635	-1821.51
1234_1235	1234	1235	-112.217	219.388	-2.583	9.895	-90.749	1145.93
1235_1235	1235	1235	130.973	-233.543	0.003	-1.634	98.884	-1207.11
1235_1236	1235	1236	-136.826	258.097	-0.003	1.571	-98.906	-543.975
1236_1236	1236	1236	135.992	-258.456	0.14	0.605	98.961	544.127
1236_1237	1236	1237	-147.684	292.076	-0.14	-0.68	-100.32	-3190.5
1237_1237	1237	1237	167.403	-287.725	-0.13	7.885	98.338	3126.618
1237_1238	1237	1238	-174.165	306.893	0.13	-7.962	-97.723	-4528.43

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1238_1238	1238	1238	180.037	-322.066	5.354	-11.824	96.603	4528.658
1238_1239	1238	1239	-194.92	365.884	-5.354	11.719	-154.141	-8176.93
1239_1239	1239	1239	203.476	-361.085	5.545	10.552	156.212	8180.002
1239_1240	1239	1240	-218.531	407.114	-5.545	-10.685	-217.044	-12334.3
1240_1240	1240	1240	233.54	-424.829	-28.857	-21.659	214.074	12332.55
1240_1241	1240	1241	-247.369	476.746	28.857	21.978	129.805	-17643.4
1241_1241	1241	1241	-1702.64	281.154	-7.972	16.55	280.599	4928.937
1241_1242	1241	1242	1729.91	-243.917	7.972	-16.55	-204.843	-2544.19
1242_1242	1242	1242	-1726.89	243.972	-5.875	19.879	205.455	2529.54
1242_1243	1242	1243	1735.169	-231.734	5.875	-19.879	-186.861	-1810.36
1243_1243	1243	1243	-1733.02	212.688	-31.632	-3.481	186.861	1808.69
1243_1244	1243	1244	1755.382	-177.056	31.632	3.481	104.602	-103.712
1244_1244	1244	1244	-1755.5	177.184	-25.361	-0.616	-104.602	103.838
1244_1245	1244	1245	1776.021	-136.936	25.361	0.616	368.558	1447.342
1245_1245	1245	1245	-1776.41	121.919	-14.618	1.82	-368.558	-1447.21
1245_1246	1245	1246	1791.354	-84.221	14.618	-1.82	511.057	2390.814
1246_1246	1246	1246	-1791.39	84.349	-8.41	-2.327	-511.057	-2390.8
1246_1247	1246	1247	1802.036	-46.139	8.41	2.327	594.157	2991.367
1247_1247	1247	1247	-1802.13	27.918	0.036	2.719	-594.157	-2990.66
1247_1248	1247	1248	1808.231	7.2	-0.036	-2.719	593.829	3058.832
1248_1248	1248	1248	-1808.26	-7.072	3.815	-0.73	-593.829	-3058.67
1248_1249	1248	1249	1810.535	47.816	-3.815	0.73	553.629	2758.553
1249_1249	1249	1249	-1809.38	-67.509	-10.693	2.405	-553.629	-2758.03
1249_1250	1249	1250	1806.801	107.487	10.693	-2.405	664.174	1861.834
1250_1250	1250	1250	-1806.8	-107.359	-2.982	0.524	-664.174	-1861.95
1250_1251	1250	1251	1800.257	143.276	2.982	-0.524	691.867	722.344
1251_1251	1251	1251	-1803.12	-170.076	62.464	-3.936	-691.867	-722.378
1251_1252	1251	1252	1792.736	209.259	-62.464	3.936	58.95	-1159.9
1252_1252	1252	1252	-1792.56	-212.522	68.311	3.72	-58.95	1160.035
1252_1253	1252	1253	1772.473	255.867	-68.311	-3.72	-706.727	-3707.14
1253_1253	1253	1253	-1770.24	-255.765	66.949	0.161	706.661	3696.127
1253_1254	1253	1254	1763.492	268.149	-66.949	-0.161	-918.266	-4497.82
1254_1254	1254	1254	-1758.84	-293.871	-34.493	-39.453	918.266	4495.308
1254_1255	1254	1255	1745.387	318.687	34.493	39.453	-699.791	-6382.92
1255_1255	1255	1255	218.398	435.979	-48.3	1.185	669.117	19221.29
1255_1256	1255	1256	-199.412	-400.526	48.3	-1.644	-276.778	-15913.4
1256_1256	1256	1256	192.755	404.272	-48.174	33.164	272.981	15910.62
1256_1257	1256	1257	-174.039	-373.395	48.174	-33.549	77.274	-13161.8
1257_1257	1257	1257	163.546	358.424	9.5	-20.506	-71.879	13156.48
1257_1258	1257	1258	-134.802	-315.466	-9.5	21.22	-26.822	-9762.04
1258_1258	1258	1258	126.932	320.281	9.694	13.465	24.162	9760.153
1258_1259	1258	1259	-90.56	-269.362	-9.694	-12.793	-146.749	-6148.58
1259_1259	1259	1259	519.987	256.202	1.164	5.186	17.109	3818.22
1259_1260	1259	1260	-533.317	-218.697	-1.164	-5.125	-29.394	-1295.4
1260_1260	1260	1260	528.568	225.152	1.397	-4.726	29.574	1294.349
1260_1261	1260	1261	-523.719	-192.047	-1.397	4.747	-42.776	649.393
1261_1261	1261	1261	547.92	195.651	1.555	-7.796	42.355	-917.178
1261_1262	1261	1262	-542.874	-184.738	-1.555	7.796	-47.28	1500.464
1262_1262	1262	1262	542.758	155.42	-0.45	15.205	47.28	-1499.43
1262_1263	1262	1263	-530.436	-117.122	0.45	-15.205	-42.278	2970.105
1263_1263	1263	1263	530.402	117.306	-0.073	-13.509	42.278	-2969.97
1263_1264	1263	1264	-524.837	-76.185	0.073	13.509	-41.413	4109.704
1264_1264	1264	1264	524.771	52.227	0.774	18.261	41.413	-4109.47

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1264_1265	1264	1265	-523.568	-12.338	-0.774	-18.261	-50.376	4485.414
1265_1265	1265	1265	523.572	12.523	1.162	-17.689	50.376	-4485.42
1265_1266	1265	1266	-529.754	27.036	-1.162	17.689	-63.716	4435.438
1266_1266	1266	1266	529.734	-51.725	0.012	11.857	63.716	-4435.23
1266_1267	1266	1267	-540.079	91.963	-0.012	-11.857	-63.852	3646.152
1267_1267	1267	1267	540.088	-91.779	0.277	-11.633	63.852	-3646.2
1267_1268	1267	1268	-557.461	130.952	-0.277	11.633	-67.006	2459.479
1268_1268	1268	1268	557.404	-155.153	1.48	10.235	67.006	-2459.17
1268_1269	1268	1269	-582.803	200.117	-1.48	-10.235	-86.319	254.016
1269_1269	1269	1269	582.856	-199.922	1.831	-11.358	86.319	-254.276
1269_1270	1269	1270	-612.961	239.378	-1.831	11.358	-107.291	-2128.88
1270_1270	1270	1270	613.026	-259.475	-3.725	3.25	107.291	2128.572
1270_1271	1270	1271	-639.299	291.056	3.725	-3.25	-73.148	-4537.83
1271_1271	1271	1271	639.247	-294.245	-3.45	-2.675	73.148	4538.126
1271_1272	1271	1272	-681.19	332.692	3.45	2.675	-34.656	-7855.39
1272_1272	1272	1272	617.533	-330.728	-2.834	1.742	31.219	8346.765
1272_1273	1272	1273	-629.6	346.105	2.834	-1.732	-19.396	-9704.88
1273_1273	1273	1273	634.748	-366.523	19.189	-7.563	19.21	9705.916
1273_1274	1273	1274	-642.7	396.015	-19.189	7.583	-171.83	-12675.7
1274_1274	1274	1274	649.394	-390.483	19.339	-2.938	171.967	12675.75
1274_1275	1274	1275	-641.807	420.136	-19.339	2.971	-324.329	-15844.6
1275_1275	1275	1275	562.113	-418.058	19.86	27.751	325.595	16349.68
1275_1276	1275	1276	-556.082	435.701	-19.86	-27.728	-408.639	-18127.4
1276_1276	1276	1276	266.47	-449.548	-79.584	-61.621	485.227	19751.14
1276_1277	1276	1277	-281.385	499.626	79.584	62.092	451.462	-25264.4
1277_1277	1277	1277	294.167	-493.205	-79.366	48.478	-443.659	25268.18
1277_1278	1277	1278	-307.557	549.672	79.366	-47.836	1460.262	-31859.8
1278_1278	1278	1278	319.56	-532.948	130.767	-79.05	-1478	31864.02
1278_1279	1278	1279	-328.349	577.143	-130.767	78.689	216.599	-37146.5
1279_1279	1279	1279	-2417.25	380.525	45.894	41.391	-829.062	13377.31
1279_1280	1279	1280	2446.171	-341.831	-45.894	-41.391	392.957	-10059.5
1280_1280	1280	1280	-2444.76	341.866	47.428	51.499	-391.924	10267.39
1280_1281	1280	1281	2459.898	-321.111	-47.428	-51.499	134.848	-8531.93
1281_1281	1281	1281	-2504.3	304.166	-23.619	-10.382	-145.404	8735.229
1281_1282	1281	1282	2532.048	-260.379	23.619	10.382	437.328	-5359.14
1282_1282	1282	1282	-2532.1	260.527	-15.743	7.293	-437.328	5359.109
1282_1283	1282	1283	2553.26	-217.509	15.743	-7.293	628.49	-2543.25
1283_1283	1283	1283	-2553.26	169.079	13.912	-2.154	-628.49	2543.278
1283_1284	1283	1284	2566.76	-125.128	-13.912	2.154	455.899	-773.718
1284_1284	1284	1284	-2566.66	125.268	22.461	3.331	-455.899	773.518
1284_1285	1284	1285	2573.26	-87.157	-22.461	-3.331	214.276	341.312
1285_1285	1285	1285	-2573.17	49.721	29.565	-0.202	-214.276	-341.361
1285_1286	1285	1286	2575.699	-10.078	-29.565	0.202	-116.56	664.368
1286_1286	1286	1286	-2575.58	10.208	37.458	0.997	116.56	-664.459
1286_1287	1286	1287	2573.331	26.648	-37.458	-0.997	-506.239	586.492
1287_1287	1287	1287	-2573.67	-63.768	-22.639	-2.828	506.239	-586.144
1287_1288	1287	1288	2565.742	110.168	22.639	2.828	-209.722	-523.032
1288_1288	1288	1288	-2565.75	-113.443	-13.576	2.646	209.722	522.804
1288_1289	1288	1289	2550.673	153.199	13.576	-2.646	-57.376	-1960.4
1289_1289	1289	1289	-2550.58	-188.271	-2.264	0.35	57.376	1959.872
1289_1290	1289	1290	2544.178	202.459	2.264	-0.35	-48.308	-2717.25
1290_1290	1290	1290	-2542.46	-202.425	1.531	5.586	48.925	2485.735
1290_1291	1290	1291	2524.976	238.387	-1.531	-5.586	-63.47	-4512.53

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1291_1291	1291	1291	307.363	788.138	25.079	-12.988	-220.391	24817.26
1291_1292	1291	1292	-291.972	-756.217	-25.079	12.807	33.793	-19174.4
1292_1292	1292	1292	269.856	731.791	2.641	-28.693	-32.638	19172.59
1292_1293	1292	1293	-235.476	-679.238	-2.641	28.671	-0.849	-10418.6
1293_1293	1293	1293	214.896	686.255	2.743	25.597	-3.071	10415.99
1293_1294	1293	1294	-178.599	-641.366	-2.743	-25.608	-27.622	-3156.36
1294_1294	1294	1294	137.657	612.544	-2.403	-3.096	53.578	3303.573
1294_1295	1294	1295	-112.577	-584.863	2.403	3.045	-36.632	814.611
1295_1295	1295	1295	72.169	588.124	-2.662	1.64	45.508	-657.043
1295_1296	1295	1296	-45.734	-563.23	2.662	-1.661	-26.454	4662.373
1296_1296	1296	1296	38.045	565.502	-2.646	-0.36	26.478	-4662.5
1296_1297	1296	1297	-11.33	-534.98	2.646	0.359	-3.211	9377.396
1297_1297	1297	1297	11.038	495.736	0.565	26.029	3.211	-9377.77
1297_1298	1297	1298	0.4	-481.675	-0.565	-26.029	-5.5	11304.79
1298_1298	1298	1298	38.531	482.125	0.767	14.88	1.91	-11524.1
1298_1299	1298	1299	-19.462	-448.889	-0.767	-14.88	-8.402	15375.8
1299_1299	1299	1299	19.405	448.989	0.819	-24.86	8.402	-15375.4
1299_1300	1299	1300	3.535	-401.935	-0.819	24.86	-18.219	20367.66
1300_1300	1300	1300	-3.556	354.609	1.315	42.376	18.219	-20367.5
1300_1301	1300	1301	23.842	-302.93	-1.315	-42.376	-35.523	24601.03
1301_1301	1301	1301	-23.799	303.05	1.38	-43.099	35.523	-24601.3
1301_1302	1301	1302	36.665	-258.576	-1.38	43.099	-51.154	27723.03
1302_1302	1302	1302	-36.708	206.862	-0.143	60.377	51.154	-27722.8
1302_1303	1302	1303	47.4	-154.01	0.143	-60.377	-49.223	30103.25
1303_1303	1303	1303	-47.35	154.13	-0.067	-64.962	49.223	-30103.5
1303_1304	1303	1304	51.642	-110.784	0.067	64.962	-48.483	31547.2
1304_1304	1304	1304	-51.681	56.9	1.161	57.71	48.483	-31547.1
1304_1305	1304	1305	52.572	-5.605	-1.161	-57.71	-63.658	31953.19
1305_1305	1305	1305	-52.532	5.725	1.226	-56.192	63.658	-31953.4
1305_1306	1305	1306	48.677	39.151	-1.226	56.192	-77.674	31782.26
1306_1306	1306	1306	-48.682	-95.44	0.062	54.141	77.674	-31782.2
1306_1307	1306	1307	38.882	142.01	-0.062	-54.141	-78.414	30422.02
1307_1307	1307	1307	-38.896	-141.891	0.119	-41.396	78.414	-30422
1307_1308	1307	1308	23.333	191.499	-0.119	41.396	-79.921	28391.13
1308_1308	1308	1308	-23.317	-241.683	1.979	48.506	79.921	-28391.3
1308_1309	1308	1309	4.328	289.435	-1.979	-48.506	-103.991	25252.95
1309_1309	1309	1309	-4.321	-289.316	2.041	-38.299	103.991	-25252.9
1309_1310	1309	1310	-19.948	337.765	-2.041	38.299	-129.182	21500.37
1310_1310	1310	1310	19.94	-382.45	-1.703	31.159	129.182	-21500.3
1310_1311	1310	1311	-49.332	432.739	1.703	-31.159	-107.371	16420.26
1311_1311	1311	1311	49.327	-432.614	-1.64	-24.186	107.371	-16420.3
1311_1312	1311	1312	-84.068	482.793	1.64	24.186	-86.403	10736.54
1312_1312	1312	1312	83.91	-525.7	-4.813	5.781	86.403	-10735.8
1312_1313	1312	1313	-145.126	596.18	4.813	-5.781	0	958.882
1400_1020	1400	1020	2432.959	-222.56	-25.064	0.617	-195.056	-3242.11
1400_1401	1400	1401	-2434.01	226.543	25.064	-0.617	297.609	2323.321
1401_1401	1401	1401	2432.762	-221.077	18.973	-5.512	-306.22	-2323.05
1401_1402	1401	1402	-2433.67	224.471	-18.973	5.512	240.015	1545.665
1402_1402	1402	1402	2438.364	-165.617	20.966	1.577	-239.7	-1545.72
1402_1403	1402	1403	-2441.46	176.166	-20.966	-1.577	10.791	-320.117
1403_1403	1403	1403	2463.882	-102.613	3.247	-0.475	-23.181	320.09
1403_1404	1403	1404	-2466.14	109.513	-3.247	0.475	-0.231	-1084.83
1404_1404	1404	1404	2468.019	-52.093	1.78	0.169	0.449	1084.825

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1404_1405	1404	1405	-2470.44	58.942	-1.78	-0.169	-13.293	-1485.31
1405_1405	1405	1405	2468.286	25.598	1.251	-0.293	0.924	1485.284
1405_1406	1405	1406	-2473.59	-12.095	-1.251	0.293	-18.947	-1213.68
1406_1406	1406	1406	2468.118	97.277	0.125	-0.429	7.368	1213.66
1406_1407	1406	1407	-2471.67	-89.093	-0.125	0.429	-8.471	-387.832
1407_1407	1407	1407	2469.261	140.881	-1.21	-0.402	8.554	387.831
1407_1408	1407	1408	-2471.72	-135.539	1.21	0.402	-1.827	380.263
1408_1408	1408	1408	2444.841	-385.424	2.563	1.227	3.837	-380.274
1408_1409	1408	1409	-2445.54	388.541	-2.563	-1.227	-11.577	-788.573
1409_1409	1409	1409	2439.597	362.262	3.392	-2.05	11.762	788.014
1409_1410	1409	1410	-2438.9	-359.145	-3.392	2.05	-22.008	301.46
1410_1410	1410	1410	2450.765	-159.477	1.389	-0.911	18.595	-301.474
1410_1411	1410	1411	-2448.31	164.819	-1.389	0.911	-26.314	-599.657
1411_1411	1411	1411	2451.216	-113.703	-2.892	-0.433	25.844	599.678
1411_1412	1411	1412	-2447.66	121.885	2.892	0.433	-0.221	-1643.36
1412_1412	1412	1412	2444.991	-37.099	-0.053	-0.713	10.967	1643.36
1412_1413	1412	1413	-2439.69	50.607	0.053	0.713	-10.207	-2275.47
1413_1413	1413	1413	2434.43	32.263	-3.299	-0.114	19.577	2275.492
1413_1414	1413	1414	-2432.01	-25.419	3.299	0.114	4.204	-2067.59
1414_1414	1414	1414	2430.764	82.044	-1.723	-1.372	-3.762	2067.594
1414_1415	1414	1415	-2428.51	-75.149	1.723	1.372	16.178	-1501.31
1415_1415	1415	1415	2408.143	148.487	-10.702	-1.18	-6.412	1501.311
1415_1416	1415	1416	-2405.05	-137.93	10.702	1.18	123.339	63.374
1416_1416	1416	1416	2400.918	194.29	-35.449	1.039	-123.154	-63.736
1416_1417	1416	1417	-2400.01	-190.903	35.449	-1.039	246.609	734.474
1417_1417	1417	1417	2401.649	198.793	18.289	-1.395	-239.387	-734.504
1417_1036	1417	1036	-2400.6	-194.8	-18.289	1.395	164.385	1541.543
1420_1056	1420	1056	1996.088	-210.781	-24.944	0.695	-53.444	-3541.64
1420_1421	1420	1421	-1997.02	214.312	24.944	-0.695	155.548	2671.624
1421_1421	1421	1421	1996.421	-209.175	12.592	-1.005	-162.592	-2671.58
1421_1422	1421	1422	-1997.22	212.179	-12.592	1.005	118.703	1937.288
1422_1422	1422	1422	2001.702	-164.721	11.721	0.949	-118.946	-1937.27
1422_1423	1422	1423	-2004.44	174.072	-11.721	-0.949	-9.078	87.053
1423_1423	1423	1423	2021.395	-113.329	1.976	0.212	-2.432	-87.016
1423_1424	1423	1424	-2023.39	119.434	-1.976	-0.212	-11.798	-751.095
1424_1424	1424	1424	2025.594	-73.217	-0.077	0.714	12.072	751.09
1424_1425	1424	1425	-2027.74	79.286	0.077	-0.714	-11.514	-1301.21
1425_1425	1425	1425	2030.111	-10.203	0.886	0.387	0.437	1301.258
1425_1426	1425	1426	-2034.81	22.171	-0.886	-0.387	-13.202	-1534.58
1426_1426	1426	1426	2035.902	48.264	0.428	-0.405	2.628	1534.642
1426_1427	1426	1427	-2039.05	-41.015	-0.428	0.405	-6.416	-1139.18
1427_1427	1427	1427	2037.746	83.598	-3.573	1.656	7.415	1139.171
1427_1428	1427	1428	-2039.93	-78.836	3.573	-1.656	12.44	-687.895
1428_1428	1428	1428	2015.435	-351.387	0.865	-0.208	-10.593	687.87
1428_1429	1428	1429	-2016.06	354.165	-0.865	0.208	7.981	-1752.74
1429_1429	1429	1429	2017.071	360.133	0.076	0.656	-8.08	1755.287
1429_1430	1429	1430	-2016.45	-357.346	-0.076	-0.656	7.85	-668.921
1430_1430	1430	1430	2044.243	-74.654	2.35	-0.711	-10.373	668.919
1430_1431	1430	1431	-2042.06	79.415	-2.35	0.711	-2.686	-1096.96
1431_1431	1431	1431	2043.266	-36.908	-0.606	0.809	1.986	1096.959
1431_1432	1431	1432	-2040.12	44.155	0.606	-0.809	3.383	-1455.96
1432_1432	1432	1432	2040.045	26.331	-0.571	0.167	8.33	1456.027
1432_1433	1432	1433	-2035.34	-14.365	0.571	-0.167	-0.098	-1162.8

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1433_1433	1433	1433	2035.232	83.609	1.18	-0.189	11.538	1162.87
1433_1434	1433	1434	-2033.09	-77.541	-1.18	0.189	-20.046	-581.745
1434_1434	1434	1434	2030.743	124.715	-2.368	0.383	19.697	581.757
1434_1435	1434	1435	-2028.74	-118.603	2.368	-0.383	-2.626	295.097
1435_1435	1435	1435	2006.414	179.336	-20.034	-0.206	15.025	-295.027
1435_1436	1435	1436	-2003.68	-169.982	20.034	0.206	203.872	2203.387
1436_1436	1436	1436	1999.1	216.937	-23.446	0.703	-202.785	-2203.49
1436_1437	1436	1437	-1998.3	-213.935	23.446	-0.703	284.45	2953.873
1437_1437	1437	1437	1999.567	219.478	21.1	-0.879	-281.68	-2953.55
1437_1072	1437	1072	-1998.64	-215.949	-21.1	0.879	195.362	3844.204
1440_1094	1440	1094	2357.768	-198.317	-22.646	0.132	15.454	-2189.37
1440_1441	1440	1441	-2358.69	201.818	22.646	-0.132	77.309	1369.859
1441_1441	1441	1441	2356.979	-195.535	7.24	-0.99	-89.402	-1369.81
1441_1442	1441	1442	-2357.77	198.514	-7.24	0.99	64.141	682.338
1442_1442	1442	1442	2361.857	-141.906	7.265	0.557	-64.144	-682.338
1442_1443	1442	1443	-2364.57	151.169	-7.265	-0.557	-15.219	-918.44
1443_1443	1443	1443	2377.874	-78.684	0.702	0.373	0.765	918.48
1443_1444	1443	1444	-2379.85	84.73	-0.702	-0.373	-5.82	-1506.72
1444_1444	1444	1444	2381.166	-30.433	1.029	0.033	5.753	1506.725
1444_1445	1444	1445	-2383.29	36.444	-1.029	-0.033	-13.173	-1747.92
1445_1445	1445	1445	2386.64	44.795	0.931	0.144	-0.882	1747.978
1445_1446	1445	1446	-2391.3	-32.934	-0.931	-0.144	-12.54	-1187.51
1446_1446	1446	1446	2393.763	116.923	2.343	0.116	-1.738	1187.563
1446_1447	1446	1447	-2396.88	-109.747	-2.343	-0.116	-19.012	-183.852
1447_1447	1447	1447	2394.117	159.039	-1.28	-0.005	19.134	183.839
1447_1448	1447	1448	-2396.29	-154.318	1.28	0.005	-12.019	687.058
1448_1448	1448	1448	2387.066	-352.272	-13.814	4.126	14.581	-687.104
1448_1449	1448	1449	-2387.68	355.02	13.814	-4.126	27.051	-378.703
1449_1449	1449	1449	2386.612	353.305	15.654	-4.115	-27.052	379.079
1449_1450	1449	1450	-2386	-350.546	-15.654	4.115	-20.294	685.349
1450_1450	1450	1450	2392.748	-157.288	-1.569	0.046	17.744	-685.332
1450_1451	1450	1451	-2390.58	162.01	1.569	-0.046	-9.021	-202.269
1451_1451	1451	1451	2393.406	-112.821	-0.816	-0.202	9.048	202.268
1451_1452	1451	1452	-2390.29	120	0.816	0.202	-1.821	-1233.42
1452_1452	1452	1452	2385.629	-36.661	-1.272	-0.158	15.422	1233.437
1452_1453	1452	1453	-2380.97	48.515	1.272	0.158	2.907	-1847.31
1453_1453	1453	1453	2375.409	33.267	-0.445	-0.201	10.986	1847.327
1453_1454	1453	1454	-2373.29	-27.256	0.445	0.201	-7.775	-1629.02
1454_1454	1454	1454	2372.119	79.313	-0.637	-0.238	7.725	1629.022
1454_1455	1454	1455	-2370.14	-73.285	0.637	0.238	-3.149	-1081.1
1455_1455	1455	1455	2356.156	148.907	-7.004	-0.437	17.622	1081.138
1455_1456	1455	1456	-2353.44	-139.626	7.004	0.437	59.023	497.631
1456_1456	1456	1456	2349.512	194.812	-9.028	0.509	-58.9	-497.646
1456_1457	1456	1457	-2348.72	-191.833	9.028	-0.509	90.403	1172.199
1457_1457	1457	1457	2350.815	198.43	20.755	-0.302	-78.706	-1172.15
1457_1110	1457	1110	-2349.89	-194.93	-20.755	0.302	-6.311	1977.787
1460_1132	1460	1132	1974.644	-202.011	4.444	0.038	206.315	-3255.05
1460_1461	1460	1461	-1975.56	205.51	-4.444	-0.038	-224.51	2420.711
1461_1461	1461	1461	1973.038	-200.486	-19.1	1.838	205.664	-2420.71
1461_1462	1461	1462	-1973.83	203.464	19.1	-1.838	-139.043	1716.198
1462_1462	1462	1462	1978.163	-156.044	-17.33	0.073	139.508	-1716.16
1462_1463	1462	1463	-1980.88	165.304	17.33	-0.073	49.743	-38.462
1463_1463	1463	1463	1975.859	-104.535	2.611	1.143	-63.255	38.173

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1463_1464	1463	1464	-1977.84	110.588	-2.611	-1.143	44.435	-813.47
1464_1464	1464	1464	1979.857	-64.633	8.275	-0.18	-45.227	813.427
1464_1465	1464	1465	-1981.98	70.642	-8.275	0.18	-14.454	-1301.26
1465_1465	1465	1465	1964.935	-0.461	1.686	0.462	-1.911	1301.159
1465_1466	1465	1466	-1969.59	12.313	-1.686	-0.462	-22.388	-1393.2
1466_1466	1466	1466	1941.151	60.755	-4.528	0.604	7.474	1393.096
1466_1467	1466	1467	-1944.27	-53.579	4.528	-0.604	32.628	-886.853
1467_1467	1467	1467	1942.764	93.516	-0.781	-0.4	-33.378	886.825
1467_1468	1467	1468	-1944.93	-88.795	0.781	0.4	37.718	-380.137
1468_1468	1468	1468	1893.085	-307.443	9.721	-19.421	-36.067	379.937
1468_1469	1468	1469	-1893.7	310.201	-9.721	19.421	6.676	-1313.67
1469_1469	1469	1469	1879.272	304.281	-4.932	19.408	-32.519	1273.126
1469_1470	1469	1470	-1878.66	-301.523	4.932	-19.408	47.43	-357.294
1470_1470	1470	1470	1924.136	-91.519	2.607	-0.307	-49.143	357.096
1470_1471	1470	1471	-1921.97	96.24	-2.607	0.307	34.654	-878.908
1471_1471	1471	1471	1923.537	-56.682	4.632	-0.508	-34.256	878.924
1471_1472	1471	1472	-1920.42	63.859	-4.632	0.508	-6.763	-1412.66
1472_1472	1472	1472	1940.874	8.526	-1.988	-0.725	20.861	1412.575
1472_1473	1472	1473	-1936.22	3.335	1.988	0.725	7.81	-1375.15
1473_1473	1473	1473	1948.58	64.881	-0.959	-0.74	6.122	1375.014
1473_1474	1473	1474	-1946.46	-58.872	0.959	0.74	0.794	-928.733
1474_1474	1474	1474	1944.611	103.251	-1.177	-0.616	-0.845	928.733
1474_1475	1474	1475	-1942.63	-97.206	1.177	0.616	9.321	-207.208
1475_1475	1475	1475	1948.078	157.045	0.262	-0.639	3.984	207.119
1475_1476	1475	1476	-1945.37	-147.784	-0.262	0.639	-6.841	1457.618
1476_1476	1476	1476	1941.259	194.414	1.6	0.23	6.548	-1457.62
1476_1477	1476	1477	-1940.46	-191.436	-1.6	-0.23	-12.129	2130.698
1477_1477	1477	1477	1942.076	196.671	6.264	0.213	25.61	-2130.74
1477_1148	1477	1148	-1941.16	-193.171	-6.264	-0.213	-51.264	2929.041
1480_1168	1480	1168	1726.47	-191.339	16.261	0.777	-47.89	-3490.34
1480_1481	1480	1481	-1727.39	194.839	-16.261	-0.777	-18.712	2699.507
1481_1481	1481	1481	1726.342	-190.569	-3.601	-4.348	2.707	-2699.42
1481_1482	1481	1482	-1727.14	193.547	3.601	4.348	9.856	2029.402
1482_1482	1482	1482	1731.284	-152.087	1.558	2.096	-8.14	-2029.41
1482_1483	1482	1483	-1734	161.349	-1.558	-2.096	-8.874	317.644
1483_1483	1483	1483	1708.683	-109.288	0.322	0.904	-4.57	-317.737
1483_1484	1483	1484	-1710.66	115.342	-0.322	-0.904	2.251	-491.862
1484_1484	1484	1484	1712.88	-75.556	0.561	0.887	-2.254	491.862
1484_1485	1484	1485	-1715	81.565	-0.561	-0.887	-1.789	-1058.48
1485_1485	1485	1485	1680.034	-21.396	3.161	0.854	-12.514	1058.389
1485_1486	1485	1486	-1684.69	33.247	-3.161	-0.854	-33.04	-1452.12
1486_1486	1486	1486	1640.409	29.823	-10.404	0.712	19.596	1452.028
1486_1487	1486	1487	-1643.53	-22.647	10.404	-0.712	72.538	-1219.7
1487_1487	1487	1487	1642.732	56.417	-7.255	-0.1	-73.566	1219.642
1487_1488	1487	1488	-1644.9	-51.696	7.255	0.1	113.892	-919.167
1488_1488	1488	1488	1567.586	-275.527	13.521	-34.499	-113.529	918.996
1488_1489	1488	1489	-1568.2	278.284	-13.521	34.499	72.647	-1756.23
1489_1489	1489	1489	1572.136	280.361	-15.089	34.673	-33.597	1766.957
1489_1490	1489	1490	-1571.52	-277.604	15.089	-34.673	79.22	-923.446
1490_1490	1490	1490	1646.302	-49.532	5.851	-0.276	-81.015	923.066
1490_1491	1490	1491	-1644.13	54.252	-5.851	0.276	48.493	-1211.5
1491_1491	1491	1491	1644.895	-20.418	7.57	-0.537	-47.941	1211.522
1491_1492	1491	1492	-1641.78	27.594	-7.57	0.537	-19.098	-1424.11

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1492_1492	1492	1492	1686.662	35.222	-3.026	-0.939	32.11	1423.964
1492_1493	1492	1493	-1682.01	-23.371	3.026	0.939	11.5	-1001.78
1493_1493	1493	1493	1715.733	83.516	-0.683	-1.026	1.988	1001.674
1493_1494	1493	1494	-1713.61	-77.507	0.683	1.026	2.941	-420.988
1494_1494	1494	1494	1711.348	117.309	-0.922	-0.897	-2.984	420.988
1494_1495	1494	1495	-1709.37	-111.255	0.922	0.897	9.631	402.792
1495_1495	1495	1495	1732.081	163.141	-1.377	-0.573	2.641	-402.876
1495_1496	1495	1496	-1729.37	-153.879	1.377	0.573	12.403	2134.217
1496_1496	1496	1496	1725.18	195.316	-1.734	-0.731	-12.291	-2134.22
1496_1497	1496	1497	-1724.39	-192.338	1.734	0.731	18.342	2810.443
1497_1497	1497	1497	1725.537	196.691	-8.165	-0.538	-6.766	-2810.48
1497_1184	1497	1184	-1724.62	-193.192	8.165	0.538	40.204	3608.86
1500_1204	1500	1204	2132.407	-216.436	-29.44	-0.135	33.026	-3497.48
1500_1501	1500	1501	-2133.5	220.575	29.44	0.135	87.544	2602.588
1501_1501	1501	1501	2132.28	-215.268	7.642	0.252	-92.619	-2602.67
1501_1502	1501	1502	-2133.22	218.79	-7.642	-0.252	65.958	1845.496
1502_1502	1502	1502	2137.903	-166.996	6.211	0.587	-66.303	-1845.48
1502_1503	1502	1503	-2141.11	177.939	-6.211	-0.587	-1.474	-36.625
1503_1503	1503	1503	2163.164	-113.942	0.554	0.516	-6.294	36.564
1503_1504	1503	1504	-2165.51	121.102	-0.554	-0.516	2.302	-883.701
1504_1504	1504	1504	2167.734	-70.745	0.857	0.444	-2.334	883.701
1504_1505	1504	1505	-2170.24	77.852	-0.857	-0.444	-3.85	-1419.58
1505_1505	1505	1505	2181.055	-4.14	0.591	0.326	-4.266	1419.516
1505_1506	1505	1506	-2186.56	18.167	-0.591	-0.326	-4.253	-1580.36
1506_1506	1506	1506	2192.751	58.301	1.953	-0.138	-3.794	1580.271
1506_1507	1506	1507	-2196.44	-49.814	-1.953	0.138	-13.499	-1101.55
1507_1507	1507	1507	2194.951	94.985	-0.353	0.719	14.014	1101.543
1507_1508	1507	1508	-2197.49	-89.45	0.353	-0.719	-12.051	-588.969
1508_1508	1508	1508	2175.647	-375.21	-2.823	2.896	15.288	588.995
1508_1509	1508	1509	-2176.37	378.443	2.823	-2.896	-6.752	-1728.34
1509_1509	1509	1509	2176.555	376.601	-1.817	-3.061	6.792	1728.055
1509_1510	1509	1510	-2175.83	-373.378	1.817	3.061	-1.318	-597.923
1510_1510	1510	1510	2202.962	-90.013	2.532	-1.298	-0.861	598.008
1510_1511	1510	1511	-2200.42	95.549	-2.532	1.298	-13.21	-1113.73
1511_1511	1511	1511	2201.919	-50.321	-1.704	0.552	12.259	1113.745
1511_1512	1511	1512	-2198.23	58.808	1.704	-0.552	2.832	-1596.94
1512_1512	1512	1512	2196.774	17.648	-0.024	-0.309	6.042	1596.877
1512_1513	1512	1513	-2191.27	-3.621	0.024	0.309	-5.7	-1443.52
1513_1513	1513	1513	2187.106	77.424	-1.1	-0.404	13.701	1443.443
1513_1514	1513	1514	-2184.6	-70.316	1.1	0.404	-5.77	-910.659
1514_1514	1514	1514	2182.374	121.066	-1.406	-0.408	5.716	910.659
1514_1515	1514	1515	-2180.03	-113.906	1.406	0.408	4.415	-63.785
1515_1515	1515	1515	2160.534	177.951	-13.282	-1.427	3.616	63.699
1515_1516	1515	1516	-2157.33	-167.007	13.282	1.427	141.324	1818.535
1516_1516	1516	1516	2152.651	219.269	-11.837	3.255	-141.652	-1818.51
1516_1517	1516	1517	-2151.71	-215.747	11.837	-3.255	182.949	2577.351
1517_1517	1517	1517	2150.719	220.985	31.847	-0.153	-178.615	-2577.47
1517_1220	1517	1220	-2149.63	-216.846	-31.847	0.153	48.186	3474.04
1520_1241	1520	1241	2077.977	-266.569	-18.315	45.145	-404.281	-5850.3
1520_1521	1520	1521	-2079.29	271.547	18.315	-45.145	479.373	4747.133
1521_1521	1521	1521	2068.272	-265.896	35.814	6.71	-473.478	-4759.92
1521_1522	1521	1522	-2069.4	270.119	-35.814	-6.71	348.754	3826.556
1522_1522	1522	1522	2075.339	-220.994	28.313	0.694	-352.681	-3826.2

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1522_1523	1522	1523	-2079.19	234.144	-28.313	-0.694	43.607	1342.038
1523_1523	1523	1523	2108.222	-172.495	6.217	0.74	-50.788	-1342.03
1523_1524	1523	1524	-2111.03	181.095	-6.217	-0.74	5.979	67.689
1524_1524	1524	1524	2114.676	-132.046	2.538	0.758	-6.002	-67.687
1524_1525	1524	1525	-2117.69	140.584	-2.538	-0.758	-12.303	-915.52
1525_1525	1525	1525	2112.995	-70.766	-1.268	0.223	6.886	914.32
1525_1526	1525	1526	-2119.61	87.606	1.268	-0.223	11.397	-2055.68
1526_1526	1526	1526	2112.473	-16.21	-0.563	-1.915	-14.695	2053.187
1526_1527	1526	1527	-2116.91	26.412	0.563	1.915	19.686	-2242.02
1527_1527	1527	1527	2116.991	17.588	-4.618	2.773	-17.757	2242.035
1527_1528	1527	1528	-2120.02	-10.99	4.618	-2.773	43.428	-2162.61
1528_1528	1528	1528	2069.124	-433.953	0.893	-2.677	-36.705	2161.832
1528_1529	1528	1529	-2069.99	437.803	-0.893	2.677	34.008	-3478.39
1529_1529	1529	1529	2067.81	429.186	4.337	1.538	-33.753	3475.638
1529_1530	1529	1530	-2066.95	-425.336	-4.337	-1.538	20.656	-2185.4
1530_1530	1530	1530	2108.625	-15.977	7.724	-2.412	-27.614	2184.427
1530_1531	1530	1531	-2105.59	22.578	-7.724	2.412	-15.332	-2291.61
1531_1531	1531	1531	2105.624	20.413	5.025	0.226	13.998	2291.62
1531_1532	1531	1532	-2101.19	-10.219	-5.025	-0.226	-58.497	-2155.99
1532_1532	1532	1532	2099.247	83.717	-0.749	-0.894	59.504	2154.542
1532_1533	1532	1533	-2092.63	-66.873	0.749	0.894	-48.705	-1069.05
1533_1533	1533	1533	2091.801	138.26	-2.153	-0.338	51.478	1068.563
1533_1534	1533	1534	-2088.79	-129.722	2.153	0.338	-35.946	-102.155
1534_1534	1534	1534	2085.202	178.288	-3.84	-1.09	35.901	102.166
1534_1535	1534	1535	-2082.39	-169.687	3.84	1.09	-8.218	1152.101
1535_1535	1535	1535	2081.707	231.273	-1.532	0.874	14.089	-1151.06
1535_1536	1535	1536	-2077.85	-218.121	1.532	-0.874	2.638	3604.205
1536_1536	1536	1536	2071.945	268.453	-5.405	-6.04	-0.754	-3604.2
1536_1537	1536	1537	-2070.82	-264.22	5.405	6.04	19.619	4533.852
1537_1537	1537	1537	2071.987	269.352	-12.783	-44.627	-16.068	-4541.95
1537_1255	1537	1255	-2070.68	-264.388	12.783	44.627	68.345	5633.32
1540_1279	1540	1279	2890.861	-263.688	87.818	151.764	694.353	-2505.56
1540_1541	1540	1541	-2892.27	269.038	-87.818	-151.764	-1053.98	1414.766
1541_1541	1541	1541	2952.765	-239.535	-56.805	21.538	1044.798	-1469.95
1541_1542	1541	1542	-2953.98	244.093	56.805	-21.538	-846.465	625.658
1542_1542	1542	1542	2958.911	-172.331	-62.916	-0.336	846.353	-626.18
1542_1543	1542	1543	-2963.06	186.487	62.916	0.336	-159.358	-1332.84
1543_1543	1543	1543	2919.057	-107.533	-7.271	-3.621	153.952	1332.042
1543_1544	1543	1544	-2922.08	116.79	7.271	3.621	-101.534	-2140.61
1544_1544	1544	1544	2923.967	-48.084	-19.185	2.765	104.519	2140.472
1544_1545	1544	1545	-2927.21	57.265	19.185	-2.765	33.758	-2520.13
1545_1545	1545	1545	2918.913	37.93	0.74	-0.692	-34.243	2515.755
1545_1546	1545	1546	-2926.03	-19.808	-0.74	0.692	23.579	-2099.66
1546_1546	1546	1546	2930.546	119.618	7.68	-0.756	-23.584	2097.125
1546_1547	1546	1547	-2935.32	-108.646	-7.68	0.756	-44.425	-1086.42
1547_1547	1547	1547	2932.546	167.625	3.151	-0.014	45.151	1086.393
1547_1548	1547	1548	-2935.8	-160.535	-3.151	0.014	-62.683	-173.465
1548_1548	1548	1548	2929.494	-459.198	-14.521	4.056	71.238	170.432
1548_1549	1548	1549	-2930.42	463.328	14.521	-4.056	-27.394	-1563.11
1549_1549	1549	1549	2947.463	485.033	-20.232	-5.978	27.951	1567.389
1549_1550	1549	1550	-2946.51	-480.972	20.232	5.978	32.254	-130.078
1550_1550	1550	1550	2986.567	-163.321	11.17	-2.005	-34.859	135.063
1550_1551	1550	1551	-2983.13	170.473	-11.17	2.005	-28.359	-1079.63

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1551_1551	1551	1551	2986.285	-101.557	7.141	-1.225	27.656	1079.654
1551_1552	1551	1552	-2981.6	111.925	-7.141	1.225	-87.805	-1978.74
1552_1552	1552	1552	2997.771	5.439	-0.075	-2.29	87.827	1977.005
1552_1553	1552	1553	-2990.64	12.191	0.075	2.29	-86.773	-2024.54
1553_1553	1553	1553	2999.779	99.342	-9.778	-2.834	86.425	2022.401
1553_1554	1553	1554	-2996.55	-90.39	9.778	2.834	-17.542	-1354.09
1554_1554	1554	1554	2993.223	167.392	-13.287	-1.666	16.927	1354.097
1554_1555	1554	1555	-2990.22	-158.356	13.287	1.666	76.726	-206.085
1555_1555	1555	1555	2980.684	260.458	-27.798	-1.479	-74.372	204.551
1555_1556	1555	1556	-2976.65	-246.655	27.798	1.479	370.32	2494.882
1556_1556	1556	1556	2968.555	329.413	-34.527	3.001	-368.688	-2495.12
1556_1557	1556	1557	-2967.38	-324.938	34.527	-3.001	486.935	3615.62
1557_1557	1557	1557	2942.439	350.252	23.544	7.807	-486.009	-3615.27
1557_1291	1557	1291	-2940.57	-342.914	-23.544	-7.807	354.045	5557.863
2000_2000	2000	2000	6.846	17.071	0.034	-0.047	0	-8.901
2000_2001	2000	2001	-20.751	8.725	-0.034	0.047	-0.54	90.202
2001_2001	2001	2001	20.754	-8.725	0.034	0.023	0.54	-90.201
2001_2002	2001	2002	-30.01	25.897	-0.034	-0.023	-0.9	-83.944
2002_2002	2002	2002	30.06	22.504	-0.046	-0.013	0.9	83.875
2002_2003	2002	2003	-26.036	-2.827	0.046	0.013	-0.343	66.476
2003_2003	2003	2003	26.035	2.827	-0.046	-0.02	0.343	-66.476
2003_2004	2003	2004	-22.008	16.867	0.046	0.02	0.215	-22.927
2004_2004	2004	2004	22.006	19.687	0.016	-0.046	-0.215	22.627
2004_2005	2004	2005	-21.929	-0.009	-0.016	0.046	0.026	97.336
2005_2005	2005	2005	21.93	0.009	0.016	0.022	-0.026	-97.335
2005_2006	2005	2006	-21.853	19.686	-0.016	-0.022	-0.163	-22.504
2006_2006	2006	2006	21.868	20.018	-0.004	-0.007	0.163	22.465
2006_2007	2006	2007	-21.455	-0.339	0.004	0.007	-0.112	101.093
2007_2007	2007	2007	21.455	0.339	-0.004	-0.007	0.112	-101.093
2007_2008	2007	2008	-21.042	19.341	0.004	0.007	-0.061	-14.978
2008_2008	2008	2008	21.037	19.494	0.003	0.043	0.061	15.314
2008_2009	2008	2009	-21.01	0.188	-0.003	-0.043	-0.099	102.132
2009_2009	2009	2009	21.01	-0.188	0.003	-0.047	0.099	-102.132
2009_2010	2009	2010	-20.982	19.883	-0.003	0.047	-0.136	-20.272
2010_2010	2010	2010	20.988	19.337	0.002	0.003	0.136	20.274
2010_2011	2010	2011	-21.708	0.345	-0.002	-0.003	-0.165	95.951
2011_2011	2011	2011	21.708	-0.345	0.002	0.003	0.165	-95.951
2011_2012	2011	2012	-22.429	20.026	-0.002	-0.003	-0.194	-27.502
2012_2012	2012	2012	22.446	18.62	-0.007	0.04	0.194	27.223
2012_2013	2012	2013	-20.968	1.057	0.007	-0.04	-0.11	77.779
2013_2013	2013	2013	20.969	-1.057	-0.007	-0.028	0.11	-77.779
2013_2014	2013	2014	-19.49	20.749	0.007	0.028	-0.026	-56.985
2014_2014	2014	2014	19.491	19.057	0.021	0.019	0.026	56.922
2014_2015	2014	2015	-38.613	7.749	-0.021	-0.019	-0.368	56.865
2015_2015	2015	2015	38.551	-7.751	0.02	-0.014	0.366	-56.769
2015_2016	2015	2016	-48.056	21.08	-0.02	0.014	-0.534	-52.183
2016_2016	2016	2016	18.183	19.84	-0.001	0.013	0.519	101.643
2016_2017	2016	2017	-22.394	-1.115	0.001	-0.013	-0.508	26.027
2017_2017	2017	2017	22.395	1.115	-0.001	-0.003	0.508	-26.027
2017_2018	2017	2018	-27.14	19.981	0.001	0.003	-0.498	-93.833
2018_2018	2018	2018	27.14	19.412	0.023	0.006	0.498	93.956
2018_2019	2018	2019	-26.19	0.5	-0.023	-0.006	-0.78	23.247
2019_2019	2019	2019	26.191	-0.5	0.023	-0.013	0.78	-23.247

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2019_2020	2019	2020	-25.241	20.411	-0.023	0.013	-1.064	-108.449
2020_2020	2020	2020	25.213	21.088	0.001	-0.019	1.064	108.473
2020_2021	2020	2021	-24.832	-5.948	-0.001	0.019	-1.074	19.808
2021_2021	2021	2021	24.815	5.948	0	0.004	1.075	-19.786
2021_2022	2021	2022	-24.504	6.39	0	-0.004	-1.078	17.907
2022_2022	2022	2022	24.504	-6.39	0	0.002	1.078	-17.907
2022_2023	2022	2023	-24.192	18.744	0	-0.002	-1.082	-79.723
2023_2023	2023	2023	24.194	19.351	-0.115	-0.019	1.082	79.677
2023_2024	2023	2024	-23.845	-6.614	0.115	0.019	-0.162	23.87
2024_2024	2024	2024	23.845	6.614	-0.115	-0.019	0.162	-23.87
2024_2025	2024	2025	-23.497	6.123	0.115	0.019	0.759	25.565
2025_2025	2025	2025	23.496	-6.123	-0.116	0.009	-0.759	-25.565
2025_2026	2025	2026	-23.147	18.878	0.116	-0.009	1.684	-74.799
2026_2026	2026	2026	23.148	18.927	-0.014	-0.026	-1.684	74.611
2026_2027	2026	2027	-23.241	-9.367	0.014	0.026	1.769	10.369
2027_2027	2027	2027	23.241	9.367	-0.014	-0.04	-1.769	-10.369
2027_2028	2027	2028	-23.333	0.177	0.014	0.04	1.851	37.968
2028_2028	2028	2028	23.333	-0.177	-0.014	0.016	-1.851	-37.968
2028_2029	2028	2029	-23.426	9.737	0.014	-0.016	1.936	8.286
2029_2029	2029	2029	23.426	-9.737	-0.014	0.016	-1.936	-8.286
2029_2030	2029	2030	-23.518	19.298	0.014	-0.016	2.021	-78.779
2030_2030	2030	2030	23.518	18.452	0.07	-0.017	-2.021	78.719
2030_2031	2030	2031	-23.902	-5.706	-0.07	0.017	1.46	18.191
2031_2031	2031	2031	23.902	5.706	0.07	0.008	-1.46	-18.191
2031_2032	2031	2032	-24.285	7.026	-0.07	-0.008	0.904	13.165
2032_2032	2032	2032	24.286	-7.026	0.07	-0.011	-0.904	-13.165
2032_2033	2032	2033	-24.67	19.773	-0.07	0.011	0.343	-93.807
2033_2033	2033	2033	24.674	18.604	0.022	-0.004	-0.343	93.828
2033_2034	2033	2034	-25.075	-6.251	-0.022	0.004	0.174	2.85
2034_2034	2034	2034	25.075	6.251	0.022	-0.008	-0.174	-2.85
2034_2035	2034	2035	-25.476	6.085	-0.022	0.008	0.001	3.789
2035_2035	2035	2035	25.476	-6.085	0.023	-0.01	-0.001	-3.789
2035_2036	2035	2036	-25.968	21.22	-0.023	0.01	-0.213	-125.571
2036_2036	2036	2036	25.914	21.15	0.006	-0.008	0.213	125.591
2036_2037	2036	2037	-26.653	-1.23	-0.006	0.008	-0.293	14.973
2037_2037	2037	2037	26.654	1.23	0.006	-0.006	0.293	-14.973
2037_2038	2037	2038	-27.392	18.674	-0.006	0.006	-0.372	-93.394
2038_2038	2038	2038	27.389	14.011	-0.152	-0.014	0.372	93.417
2038_2039	2038	2039	-19.102	7.08	0.152	0.014	1.639	-56.406
2039_2039	2039	2039	60.371	-4.234	-0.005	-0.009	-0.069	-9.382
2039_2040	2039	2040	-110.173	22.606	0.005	0.009	0.129	-94.459
2040_2040	2040	2040	110.173	19.197	0.017	-0.012	-0.129	94.58
2040_2041	2040	2041	-112.197	-6.301	-0.017	0.012	-0.013	13.649
2041_2041	2041	2041	112.197	6.301	0.017	-0.013	0.013	-13.649
2041_2042	2041	2042	-116.162	18.958	-0.017	0.013	-0.292	-82.688
2042_2042	2042	2042	116.168	20.609	-0.01	0.017	0.292	82.71
2042_2043	2042	2043	-105.688	-1.9	0.01	-0.017	-0.177	40.867
2043_2043	2043	2043	105.688	1.9	-0.01	-0.034	0.177	-40.868
2043_2044	2043	2044	-95.217	16.792	0.01	0.034	-0.063	-59.33
2044_2044	2044	2044	95.213	19.551	0.004	-0.002	0.063	59.472
2044_2045	2044	2045	-88.195	-0.842	-0.004	0.002	-0.11	55.075
2045_2045	2045	2045	88.195	0.842	0.004	-0.002	0.11	-55.075
2045_2046	2045	2046	-81.177	17.867	-0.004	0.002	-0.156	-54.344

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2046_2046	2046	2046	81.196	19.243	0	0.004	0.156	54.126
2046_2047	2046	2047	-74.282	-0.541	0	-0.004	-0.158	56.662
2047_2047	2047	2047	74.282	0.541	0	0.004	0.158	-56.662
2047_2048	2047	2048	-67.368	18.16	0	-0.004	-0.16	-56.337
2048_2048	2048	2048	67.38	18.667	-0.006	-0.012	0.16	56.217
2048_2049	2048	2049	-59.938	0.034	0.006	0.012	-0.089	46.794
2049_2049	2049	2049	59.937	-0.034	-0.006	0.033	0.089	-46.795
2049_2050	2049	2050	-52.495	18.735	0.006	-0.033	-0.018	-73.967
2050_2050	2050	2050	52.51	18.425	0.01	0.017	0.018	73.783
2050_2051	2050	2051	-50.622	6.805	-0.01	-0.017	-0.186	17.929
2051_2051	2051	2051	50.568	-6.805	0.01	0.01	0.184	-17.847
2051_2052	2051	2052	-49.606	19.686	-0.01	-0.01	-0.269	-92.38
2052_2052	2052	2052	49.61	19.774	-0.021	0.014	0.269	92.461
2052_2053	2052	2053	-27.408	-1.409	0.021	-0.014	-0.018	5.68
2053_2053	2053	2053	27.264	2.442	0	0.013	0.013	-6.273
2053_2054	2053	2054	-29.602	17.634	0	-0.013	-0.007	-92.106
2054_2054	2054	2054	29.603	18.27	0.036	0.015	0.007	91.964
2054_2055	2054	2055	-30.428	0.661	-0.036	-0.015	-0.457	19.173
2055_2055	2055	2055	30.428	-0.661	0.036	0.001	0.457	-19.173
2055_2056	2055	2056	-31.253	19.592	-0.036	-0.001	-0.906	-106.304
2056_2056	2056	2056	31.232	20.125	-0.031	0.014	0.906	106.325
2056_2057	2056	2057	-30.468	-5.733	0.031	-0.014	-0.613	15.829
2057_2057	2057	2057	30.45	5.733	-0.031	-0.004	0.612	-15.808
2057_2058	2057	2058	-29.826	6.002	0.031	0.004	-0.373	14.193
2058_2058	2058	2058	29.827	-6.002	-0.031	0.011	0.373	-14.193
2058_2059	2058	2059	-29.204	17.738	0.031	-0.011	-0.134	-78.349
2059_2059	2059	2059	29.206	18.78	-0.096	0.004	0.134	78.342
2059_2060	2059	2060	-27.729	-6.654	0.096	-0.004	0.637	21.962
2060_2060	2060	2060	27.729	6.654	-0.096	0.005	-0.637	-21.962
2060_2061	2060	2061	-26.254	5.456	0.096	-0.005	1.408	25.247
2061_2061	2061	2061	26.254	-5.456	-0.096	0.003	-1.408	-25.247
2061_2062	2061	2062	-24.777	17.582	0.096	-0.003	2.179	-68.478
2062_2062	2062	2062	24.778	18.32	0.005	-0.013	-2.179	68.385
2062_2063	2062	2063	-24.122	-9.244	-0.005	0.013	2.151	13.452
2063_2063	2063	2063	24.122	9.244	0.005	-0.029	-2.151	-13.452
2063_2064	2063	2064	-23.465	-0.153	-0.005	0.029	2.123	40.904
2064_2064	2064	2064	23.465	0.153	0.005	0.031	-2.123	-40.904
2064_2065	2064	2065	-22.808	8.938	-0.005	-0.031	2.096	13.797
2065_2065	2065	2065	22.808	-8.938	0.005	0.031	-2.096	-13.797
2065_2066	2065	2066	-22.152	18.029	-0.005	-0.031	2.068	-67.875
2066_2066	2066	2066	22.154	18.057	0.11	0.006	-2.068	67.703
2066_2067	2066	2067	-21.252	-5.935	-0.11	-0.006	1.185	27.142
2067_2067	2067	2067	21.252	5.935	0.11	0.008	-1.185	-27.142
2067_2068	2067	2068	-20.352	6.173	-0.11	-0.008	0.304	25.033
2068_2068	2068	2068	20.352	-6.173	0.11	0.007	-0.304	-25.033
2068_2069	2068	2069	-19.45	18.295	-0.11	-0.007	-0.578	-74.035
2069_2069	2069	2069	19.452	17.528	0.015	0.005	0.578	73.966
2069_2070	2069	2070	-20.25	-5.784	-0.015	-0.005	-0.692	17.19
2070_2070	2070	2070	20.25	5.784	0.015	0.006	0.692	-17.19
2070_2071	2070	2071	-21.046	5.944	-0.015	-0.006	-0.806	17.358
2071_2071	2071	2071	21.026	-5.944	0.015	0.003	0.811	-17.339
2071_2072	2071	2072	-22.003	20.342	-0.015	-0.003	-0.952	-106.634
2072_2072	2072	2072	22.007	20.413	0.012	0.004	0.952	106.604

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2072_2073	2072	2073	-20.527	-1.483	-0.012	-0.004	-1.104	28.364
2073_2073	2073	2073	20.527	1.483	0.012	0.004	1.104	-28.364
2073_2074	2073	2074	-19.048	17.446	-0.012	-0.004	-1.256	-73.239
2074_2074	2074	2074	19.052	14.268	-0.254	-0.002	1.256	73.295
2074_2075	2074	2075	0.382	5.799	0.254	0.002	2.112	-38.286
2075_2075	2075	2075	45.192	-3.12	-0.01	-0.001	0.186	-34.784
2075_2076	2075	2076	-88.904	20.537	0.01	0.001	-0.068	-53.984
2076_2076	2076	2076	88.896	17.83	0.012	-0.045	0.068	53.979
2076_2077	2076	2077	-86.263	-5.609	-0.012	0.045	-0.169	40.213
2077_2077	2077	2077	86.188	5.609	0.012	0.018	0.171	-40.084
2077_2078	2077	2078	-81.502	16.134	-0.012	-0.018	-0.349	-41.575
2078_2078	2078	2078	81.495	17.838	-0.011	-0.006	0.349	41.815
2078_2079	2078	2079	-77.057	-1.167	0.011	0.006	-0.231	60.1
2079_2079	2079	2079	77.057	1.167	-0.011	-0.003	0.231	-60.1
2079_2080	2079	2080	-72.623	15.489	0.011	0.003	-0.113	-25.424
2080_2080	2080	2080	72.624	16.768	0.001	-0.035	0.113	25.427
2080_2081	2080	2081	-69.792	-0.101	-0.001	0.035	-0.122	66.26
2081_2081	2081	2081	69.793	0.101	0.001	0.032	0.122	-66.26
2081_2082	2081	2082	-66.961	16.566	-0.001	-0.032	-0.13	-29.567
2082_2082	2082	2082	66.975	18.073	-0.001	-0.032	0.13	29.429
2082_2083	2082	2083	-63.886	-0.175	0.001	0.032	-0.118	77.105
2083_2083	2083	2083	63.886	0.175	-0.001	0.035	0.118	-77.105
2083_2084	2083	2084	-60.794	17.738	0.001	-0.035	-0.105	-32.776
2084_2084	2084	2084	60.804	16.804	-0.002	-0.025	0.105	32.771
2084_2085	2084	2085	-58.565	-0.14	0.002	0.025	-0.08	59.667
2085_2085	2085	2085	58.564	0.14	-0.002	0.035	0.08	-59.667
2085_2086	2085	2086	-56.327	16.51	0.002	-0.035	-0.056	-35.172
2086_2086	2086	2086	56.319	16.185	0.007	-0.015	0.056	35.412
2086_2087	2086	2087	-53.288	0.479	-0.007	0.015	-0.139	48.939
2087_2087	2087	2087	53.287	-0.479	0.007	0.031	0.139	-48.94
2087_2088	2087	2088	-50.255	17.143	-0.007	-0.031	-0.223	-54.155
2088_2088	2088	2088	50.262	15.162	-0.015	0.007	0.223	54.153
2088_2089	2088	2089	-54.118	5.768	0.015	-0.007	-0.01	16.135
2089_2089	2089	2089	54.066	-5.768	-0.015	0.006	0.009	-16.061
2089_2090	2089	2090	-56.317	17.983	0.015	-0.006	0.116	-79.56
2090_2090	2090	2090	56.324	18.031	0	0.006	-0.116	79.768
2090_2091	2090	2091	-37.074	-0.614	0	-0.006	0.12	6.224
2091_2091	2091	2091	37.279	1.516	0.029	0.006	-0.23	-6.964
2091_2092	2091	2092	-41.663	17.816	-0.029	-0.006	-0.149	-96.552
2092_2092	2092	2092	41.664	17.883	-0.008	0.006	0.149	96.403
2092_2093	2092	2093	-41.642	0.351	0.008	-0.006	-0.048	13.361
2093_2093	2093	2093	41.643	-0.351	-0.008	-0.004	0.048	-13.361
2093_2094	2093	2094	-41.62	18.599	0.008	0.004	0.053	-104.901
2094_2094	2094	2094	41.636	19.299	-0.008	0.005	-0.053	104.869
2094_2095	2094	2095	-41.154	-5.43	0.008	-0.005	0.133	12.24
2095_2095	2095	2095	41.089	5.43	-0.009	-0.007	-0.134	-12.153
2095_2096	2095	2096	-40.696	5.87	0.009	0.007	0.201	10.123
2096_2096	2096	2096	40.696	-5.87	-0.009	0.004	-0.201	-10.123
2096_2097	2096	2097	-40.303	17.184	0.009	-0.004	0.267	-79.576
2097_2097	2097	2097	40.309	17.937	0.009	-0.002	-0.267	79.445
2097_2098	2097	2098	-39.366	-6.273	-0.009	0.002	0.196	16.316
2098_2098	2098	2098	39.366	6.273	0.009	-0.002	-0.196	-16.316
2098_2099	2098	2099	-38.422	5.405	-0.009	0.002	0.126	18.798

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2099_2099	2099	2099	38.422	-5.405	0.009	-0.002	-0.126	-18.798
2099_2100	2099	2100	-37.478	17.083	-0.009	0.002	0.055	-72.177
2100_2100	2100	2100	37.476	17.549	-0.005	0	-0.055	72.149
2100_2101	2100	2101	-37.135	-8.79	0.005	0	0.083	6.47
2101_2101	2101	2101	37.135	8.79	-0.005	0	-0.083	-6.47
2101_2102	2101	2102	-36.794	-0.046	0.005	0	0.112	32.518
2102_2102	2102	2102	36.794	0.046	-0.005	-0.001	-0.112	-32.518
2102_2103	2102	2103	-36.452	8.713	0.005	0.001	0.14	6.083
2103_2103	2103	2103	36.452	-8.713	-0.005	-0.001	-0.14	-6.083
2103_2104	2103	2104	-36.11	17.472	0.005	0.001	0.169	-72.924
2104_2104	2104	2104	36.11	17.253	-0.005	0.013	-0.169	72.928
2104_2105	2104	2105	-35.806	-5.574	0.005	-0.013	0.208	17.879
2105_2105	2105	2105	35.806	5.574	-0.005	-0.004	-0.208	-17.879
2105_2106	2105	2106	-35.502	6.09	0.005	0.004	0.248	15.273
2106_2106	2106	2106	35.502	-6.09	-0.005	-0.005	-0.248	-15.273
2106_2107	2106	2107	-35.198	17.769	0.005	0.005	0.289	-80.748
2107_2107	2107	2107	35.198	16.994	0.004	0.001	-0.289	80.777
2107_2108	2107	2108	-35.6	-5.68	-0.004	-0.001	0.258	7.471
2108_2108	2108	2108	35.6	5.68	0.004	-0.004	-0.258	-7.472
2108_2109	2108	2109	-36.001	5.619	-0.004	0.004	0.228	8.053
2109_2109	2109	2109	36.024	-5.619	0.004	0.001	-0.23	-8.081
2109_2110	2109	2110	-36.517	19.488	-0.004	-0.001	0.193	-110.807
2110_2110	2110	2110	36.508	19.367	0.032	0.005	-0.193	110.81
2110_2111	2110	2111	-36.47	-1.135	-0.032	-0.005	-0.203	16.862
2111_2111	2111	2111	36.469	1.135	0.032	-0.006	0.203	-16.862
2111_2112	2111	2112	-36.431	17.111	-0.032	0.006	-0.599	-83.419
2112_2112	2112	2112	36.432	13.452	-0.142	-0.005	0.599	83.449
2112_2113	2112	2113	-21.202	5.889	0.142	0.005	1.288	-50.474
2113_2113	2113	2113	62.743	-3.54	0.003	-0.007	0.231	-16.676
2113_2114	2113	2114	-105.484	20.638	-0.003	0.007	-0.266	-75.604
2114_2114	2114	2114	105.476	17.328	-0.009	-0.069	0.266	75.614
2114_2115	2114	2115	-106.425	-5.314	0.009	0.069	-0.188	19.585
2115_2115	2115	2115	106.429	5.314	-0.009	0.028	0.188	-19.584
2115_2116	2115	2116	-108.113	16.006	0.009	-0.028	-0.051	-55.528
2116_2116	2116	2116	108.115	18.079	0.003	-0.036	0.051	55.358
2116_2117	2116	2117	-100.891	-1.711	-0.003	0.036	-0.081	47.921
2117_2117	2117	2117	100.892	1.711	0.003	0.025	0.081	-47.92
2117_2118	2117	2118	-93.668	14.658	-0.003	-0.025	-0.112	-32.812
2118_2118	2118	2118	93.664	16.908	-0.002	0.032	0.112	32.81
2118_2119	2118	2119	-88.863	-0.541	0.002	-0.032	-0.088	60.023
2119_2119	2119	2119	88.862	0.541	-0.002	-0.036	0.088	-60.023
2119_2120	2119	2120	-84.056	15.841	0.002	0.036	-0.065	-31.29
2120_2120	2120	2120	84.068	18.146	-0.003	0.002	0.065	31.1
2120_2121	2120	2121	-78.761	-0.556	0.003	-0.002	-0.033	75.853
2121_2121	2121	2121	78.761	0.556	-0.003	0.002	0.033	-75.853
2121_2122	2121	2122	-73.454	17.034	0.003	-0.002	-0.001	-29.706
2122_2122	2122	2122	73.454	16.829	-0.003	0.005	0.001	29.706
2122_2123	2122	2123	-69.185	-0.449	0.003	-0.005	0.03	62.477
2123_2123	2123	2123	69.185	0.449	-0.003	0.006	-0.03	-62.477
2123_2124	2123	2124	-64.92	15.917	0.003	-0.006	0.061	-29.465
2124_2124	2124	2124	64.918	16.228	0.004	0.034	-0.061	29.477
2124_2125	2124	2125	-60.084	0.138	-0.004	-0.034	0.013	55
2125_2125	2125	2125	60.085	-0.138	0.004	-0.018	-0.013	-55

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2125_2126	2125	2126	-55.246	16.519	-0.004	0.018	-0.034	-44.656
2126_2126	2126	2126	55.267	14.798	-0.026	0.018	0.034	44.484
2126_2127	2126	2127	-57.037	5.397	0.026	-0.018	0.331	22.493
2127_2127	2127	2127	57.038	-5.397	-0.026	-0.005	-0.331	-22.492
2127_2128	2127	2128	-58.093	17.423	0.026	0.005	0.548	-70.696
2128_2128	2128	2128	58.086	17.749	0.045	0.006	-0.548	70.536
2128_2129	2128	2129	-38.419	-0.655	-0.045	-0.006	0.016	12.837
2129_2129	2129	2129	38.682	1.554	0.141	0.005	-0.474	-13.502
2129_2130	2129	2130	-44.03	17.759	-0.141	-0.005	-1.394	-88.512
2130_2130	2130	2130	44.032	17.247	-0.197	0.004	1.394	88.399
2130_2131	2130	2131	-44.497	0.959	0.197	-0.004	1.075	14.286
2131_2131	2131	2131	44.498	-0.959	-0.197	-0.006	-1.075	-14.286
2131_2132	2131	2132	-44.962	19.151	0.197	0.006	3.542	-110.415
2132_2132	2132	2132	41.617	18.377	0.27	-0.011	-3.542	84.709
2132_2133	2132	2133	-41.62	-4.54	-0.27	0.011	0.972	24.067
2133_2133	2133	2133	41.62	4.54	0.269	0.004	-0.972	-24.067
2133_2134	2133	2134	-41.622	6.747	-0.269	-0.004	-1.111	15.449
2134_2134	2134	2134	41.622	-6.747	0.269	0.004	1.111	-15.449
2134_2135	2134	2135	-41.625	18.05	-0.269	-0.004	-3.198	-80.83
2135_2135	2135	2135	41.639	18.375	-0.106	-0.007	3.198	81
2135_2136	2135	2136	-40.351	-6.722	0.106	0.007	-2.348	18.101
2136_2136	2136	2136	40.351	6.722	-0.109	0.012	2.348	-18.101
2136_2137	2136	2137	-39.063	4.932	0.109	-0.012	-1.477	23.958
2137_2137	2137	2137	39.063	-4.932	-0.106	-0.013	1.477	-23.959
2137_2138	2137	2138	-37.775	16.585	0.106	0.013	-0.628	-63.428
2138_2138	2138	2138	37.774	17.412	-0.01	0	0.628	63.429
2138_2139	2138	2139	-37.38	-8.671	0.01	0	-0.567	14.312
2139_2139	2139	2139	37.38	8.671	-0.01	0	0.567	-14.312
2139_2140	2139	2140	-36.985	0.069	0.01	0	-0.506	39.602
2140_2140	2140	2140	36.985	-0.069	-0.01	0	0.506	-39.602
2140_2141	2140	2141	-36.591	8.809	0.01	0	-0.445	12.441
2141_2141	2141	2141	36.591	-8.809	-0.01	0	0.445	-12.441
2141_2142	2141	2142	-36.197	17.549	0.01	0	-0.384	-67.17
2142_2142	2142	2142	36.204	17.141	-0.033	0.011	0.384	67.015
2142_2143	2142	2143	-35.837	-5.502	0.033	-0.011	-0.118	22.698
2143_2143	2143	2143	35.837	5.502	-0.031	-0.012	0.118	-22.698
2143_2144	2143	2144	-35.47	6.152	0.031	0.012	0.126	19.337
2144_2144	2144	2144	35.47	-6.152	-0.033	0.006	-0.126	-19.337
2144_2145	2144	2145	-35.102	17.806	0.033	-0.006	0.393	-77.271
2145_2145	2145	2145	35.098	16.866	-0.016	-0.003	-0.393	77.407
2145_2146	2145	2146	-36.119	-5.577	0.016	0.003	0.517	10.644
2146_2146	2146	2146	36.119	5.577	-0.016	-0.003	-0.517	-10.644
2146_2147	2146	2147	-37.141	5.713	0.016	0.003	0.641	11.189
2147_2147	2147	2147	37.22	-5.712	-0.018	0.002	-0.645	-11.281
2147_2148	2147	2148	-38.473	19.551	0.018	-0.002	0.819	-107.429
2148_2148	2148	2148	38.494	19.565	0.042	-0.01	-0.819	107.428
2148_2149	2148	2149	-37.566	-1.357	-0.042	0.01	0.289	21.875
2149_2149	2149	2149	37.567	1.357	0.041	0.004	-0.289	-21.875
2149_2150	2149	2150	-36.639	16.838	-0.041	-0.004	-0.217	-76.299
2150_2150	2150	2150	36.636	12.966	-0.065	-0.017	0.217	76.301
2150_2151	2150	2151	-17.224	6.335	0.065	0.017	0.642	-54.599
2151_2151	2151	2151	67.055	-3.564	-0.004	0.001	-0.092	-26.244
2151_2152	2151	2152	-114.089	21.418	0.004	-0.001	0.142	-66.968

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2152_2152	2152	2152	114.092	17.161	0.001	-0.01	-0.142	66.968
2152_2153	2152	2153	-115.424	-4.625	-0.001	0.01	0.134	25.088
2153_2153	2153	2153	115.617	4.625	0.001	-0.009	-0.133	-25.429
2153_2154	2153	2154	-117.846	16.251	-0.001	0.009	0.121	-50.824
2154_2154	2154	2154	117.843	18.401	0.002	-0.005	-0.121	50.823
2154_2155	2154	2155	-109.875	-1.688	-0.002	0.005	0.102	51.115
2155_2155	2155	2155	109.875	1.688	0.002	-0.005	-0.102	-51.115
2155_2156	2155	2156	-101.907	15.026	-0.002	0.005	0.084	-30.827
2156_2156	2156	2156	101.9	16.315	0.003	-0.031	-0.084	30.824
2156_2157	2156	2157	-96.996	-1.105	-0.003	0.031	0.056	51.095
2157_2157	2157	2157	96.996	1.105	0.002	0.032	-0.056	-51.095
2157_2158	2157	2158	-92.087	14.119	-0.002	-0.032	0.038	-19.406
2158_2158	2158	2158	92.091	15.111	0.002	0.006	-0.038	19.22
2158_2159	2158	2159	-87.473	0.099	-0.002	-0.006	0.014	50.815
2159_2159	2159	2159	87.473	-0.099	0.002	0.006	-0.014	-50.815
2159_2160	2159	2160	-82.854	15.308	-0.002	-0.006	-0.009	-31.42
2160_2160	2160	2160	82.834	16.466	0	0.01	0.009	31.6
2160_2161	2160	2161	-77.137	0.248	0	-0.01	-0.011	50.952
2161_2161	2161	2161	77.137	-0.248	0	0.01	0.011	-50.952
2161_2162	2161	2162	-71.44	16.961	0	-0.01	-0.014	-50.377
2162_2162	2162	2162	71.434	15.428	0.007	0.017	0.014	50.376
2162_2163	2162	2163	-72.971	5.464	-0.007	-0.017	-0.111	20.164
2163_2163	2163	2163	73.12	-5.464	0.008	0.001	0.112	-20.371
2163_2164	2163	2164	-74.044	17.984	-0.008	-0.001	-0.177	-75.033
2164_2164	2164	2164	74.049	18.846	-0.01	0.008	0.177	75.034
2164_2165	2164	2165	-51.472	-0.993	0.01	-0.008	-0.056	13.139
2165_2165	2165	2165	51.626	1.881	0.008	0.007	0.037	-13.412
2165_2166	2165	2166	-55.848	18.788	-0.008	-0.007	-0.142	-93.933
2166_2166	2166	2166	55.837	18.888	-0.002	0.001	0.142	93.936
2166_2167	2166	2167	-56.397	0.611	0.002	-0.001	-0.121	21.112
2167_2167	2167	2167	56.397	-0.611	-0.002	0.001	0.121	-21.112
2167_2168	2167	2168	-56.957	20.11	0.002	-0.001	-0.1	-107.621
2168_2168	2168	2168	56.978	20.659	-0.003	-0.01	0.1	107.504
2168_2169	2168	2169	-56.698	-5.855	0.003	0.01	-0.076	18.184
2169_2169	2169	2169	56.775	5.855	-0.002	-0.007	0.075	-18.28
2169_2170	2169	2170	-56.547	6.234	0.002	0.007	-0.056	16.696
2170_2170	2170	2170	56.548	-6.234	-0.004	0.011	0.056	-16.696
2170_2171	2170	2171	-56.319	18.324	0.004	-0.011	-0.023	-78.6
2171_2171	2171	2171	56.314	19.364	-0.001	-0.011	0.023	78.749
2171_2172	2171	2172	-54.919	-6.885	0.001	0.011	-0.013	24.881
2172_2172	2172	2172	54.918	6.885	-0.003	0.016	0.013	-24.88
2172_2173	2172	2173	-53.523	5.595	0.003	-0.016	0.01	28.66
2173_2173	2173	2173	53.523	-5.595	-0.001	-0.015	-0.01	-28.66
2173_2174	2173	2174	-52.128	18.074	0.001	0.015	0.02	-67.411
2174_2174	2174	2174	52.135	18.803	0	0.001	-0.02	67.249
2174_2175	2174	2175	-51.613	-9.444	0	-0.001	0.023	16.92
2175_2175	2175	2175	51.613	9.444	-0.001	0.001	-0.023	-16.92
2175_2176	2175	2176	-51.092	-0.1	0.001	-0.001	0.026	44.922
2176_2176	2176	2176	51.092	0.1	0	0	-0.026	-44.922
2176_2177	2176	2177	-50.57	9.26	0	0	0.029	16.851
2177_2177	2177	2177	50.57	-9.26	0	0	-0.029	-16.851
2177_2178	2177	2178	-50.047	18.619	0	0	0.032	-67.387
2178_2178	2178	2178	50.046	18.446	0.001	0.015	-0.032	67.549

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2178_2179	2178	2179	-49.45	-5.967	-0.001	-0.015	0.024	29.258
2179_2179	2179	2179	49.45	5.967	0.003	-0.016	-0.024	-29.258
2179_2180	2179	2180	-48.854	6.513	-0.003	0.016	0.003	26.213
2180_2180	2180	2180	48.854	-6.513	0.001	0.01	-0.003	-26.213
2180_2181	2180	2181	-48.258	18.992	-0.001	-0.01	-0.006	-76.685
2181_2181	2181	2181	48.244	18.029	0.002	-0.004	0.006	76.686
2181_2182	2181	2182	-49.066	-5.94	-0.002	0.004	-0.02	16.988
2182_2182	2182	2182	49.066	5.94	0.002	-0.004	0.02	-16.988
2182_2183	2182	2183	-49.889	6.15	-0.002	0.004	-0.034	16.954
2183_2183	2183	2183	49.994	-6.15	0	0.007	0.029	-17.074
2183_2184	2183	2184	-51.001	20.953	0	-0.007	-0.031	-110.597
2184_2184	2184	2184	51.04	20.893	-0.005	-0.013	0.031	110.703
2184_2185	2184	2185	-50.03	-1.394	0.005	0.013	0.037	27.251
2185_2185	2185	2185	50.032	1.394	-0.007	0.005	-0.037	-27.251
2185_2186	2185	2186	-49.022	18.105	0.007	-0.005	0.119	-78.573
2186_2186	2186	2186	49.01	14.955	0.002	-0.024	-0.119	78.575
2186_2187	2186	2187	-31.375	5.714	-0.002	0.024	0.098	-37.27
2187_2187	2187	2187	76.214	-3.316	0.001	0.003	-0.012	-36.034
2187_2188	2187	2188	-122.611	22.435	-0.001	-0.003	-0.002	-59.16
2188_2188	2188	2188	122.615	19.021	-0.002	-0.011	0.002	59.159
2188_2189	2188	2189	-118.457	-5.613	0.002	0.011	0.017	38.042
2189_2189	2189	2189	119.791	5.602	-0.002	-0.013	-0.017	-36.746
2189_2190	2189	2190	-112.83	16.772	0.002	0.013	0.049	-47.123
2190_2190	2190	2190	112.827	19.234	0.001	-0.009	-0.049	47.122
2190_2191	2190	2191	-107.029	-1.335	-0.001	0.009	0.041	59.248
2191_2191	2191	2191	107.029	1.335	0.001	-0.009	-0.041	-59.248
2191_2192	2191	2192	-101.232	16.563	-0.001	0.009	0.033	-31.299
2192_2192	2192	2192	101.221	17.336	0.002	0.031	-0.033	31.296
2192_2193	2192	2193	-96.948	-0.918	-0.002	-0.031	0.015	55.723
2193_2193	2193	2193	96.948	0.918	0.002	-0.038	-0.015	-55.723
2193_2194	2193	2194	-92.675	15.5	-0.002	0.038	-0.01	-22.941
2194_2194	2194	2194	92.663	16.197	0	-0.029	0.01	22.936
2194_2195	2194	2195	-88.525	0.221	0	0.029	-0.007	52.568
2195_2195	2195	2195	88.525	-0.221	-0.001	0.033	0.007	-52.568
2195_2196	2195	2196	-84.387	16.639	0.001	-0.033	0.003	-37.612
2196_2196	2196	2196	84.372	17.482	0	0.006	-0.003	37.606
2196_2197	2196	2197	-79.707	0.416	0	-0.006	0.004	50.279
2197_2197	2197	2197	79.707	-0.416	0	0.007	-0.004	-50.28
2197_2198	2197	2198	-75.046	18.298	0	-0.007	0.006	-58.563
2198_2198	2198	2198	75.04	16.54	0.003	0.009	-0.006	58.561
2198_2199	2198	2199	-77.896	5.834	-0.003	-0.009	-0.033	17.988
2199_2199	2199	2199	78.002	-5.833	0.003	0.009	0.036	-18.13
2199_2200	2199	2200	-79.715	19.257	-0.003	-0.009	-0.06	-83.624
2200_2200	2200	2200	79.727	20.327	-0.001	0.011	0.06	83.63
2200_2201	2200	2201	-54.973	-1.208	0.001	-0.011	-0.046	12.443
2201_2201	2201	2201	56.413	2.187	0.013	0.004	0.147	-14.854
2201_2202	2201	2202	-60.3	20.198	-0.013	-0.004	-0.322	-100.332
2202_2202	2202	2202	60.298	20.4	-0.009	0.009	0.322	100.337
2202_2203	2202	2203	-60.865	0.734	0.009	-0.009	-0.205	23.673
2203_2203	2203	2203	60.865	-0.734	-0.009	-0.008	0.205	-23.672
2203_2204	2203	2204	-61.432	21.868	0.009	0.008	-0.098	-116.539
2204_2204	2204	2204	61.469	22.363	0.012	0.011	0.098	116.548
2204_2205	2204	2205	-61.368	-6.301	-0.012	-0.011	-0.208	19.556

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2205_2205	2205	2205	61.533	6.301	0.013	-0.005	0.214	-19.747
2205_2206	2205	2206	-61.451	6.803	-0.013	0.005	-0.311	17.742
2206_2206	2206	2206	61.451	-6.803	0.013	-0.004	0.311	-17.742
2206_2207	2206	2207	-61.37	19.889	-0.013	0.004	-0.408	-85.63
2207_2207	2207	2207	61.356	20.815	-0.049	0.007	0.408	85.784
2207_2208	2207	2208	-60.119	-7.289	0.049	-0.007	-0.017	25.34
2208_2208	2208	2208	60.119	7.289	-0.048	-0.022	0.017	-25.34
2208_2209	2208	2209	-58.882	6.237	0.048	0.022	0.366	28.237
2209_2209	2209	2209	58.882	-6.237	-0.049	0.01	-0.366	-28.237
2209_2210	2209	2210	-57.645	19.763	0.049	-0.01	0.758	-77.093
2210_2210	2210	2210	57.65	20.37	-0.012	0.001	-0.758	77.093
2210_2211	2210	2211	-57.135	-10.226	0.012	-0.001	0.83	14.078
2211_2211	2211	2211	57.135	10.226	-0.012	0.001	-0.83	-14.078
2211_2212	2211	2212	-56.621	-0.081	0.012	-0.001	0.902	44.371
2212_2212	2212	2212	56.621	0.081	-0.012	0.001	-0.902	-44.371
2212_2213	2212	2213	-56.106	10.064	0.012	-0.001	0.973	13.787
2213_2213	2213	2213	56.106	-10.064	-0.012	0.001	-0.973	-13.787
2213_2214	2213	2214	-55.591	20.208	0.012	-0.001	1.045	-77.674
2214_2214	2214	2214	55.585	20.11	0.049	-0.006	-1.045	77.487
2214_2215	2214	2215	-54.988	-6.584	-0.049	0.006	0.652	28.39
2215_2215	2215	2215	54.988	6.584	0.049	-0.005	-0.652	-28.39
2215_2216	2215	2216	-54.391	6.925	-0.049	0.005	0.259	26.114
2216_2216	2216	2216	54.392	-6.925	0.048	0.021	-0.259	-26.114
2216_2217	2216	2217	-53.794	20.451	-0.048	-0.021	-0.125	-84.323
2217_2217	2217	2217	53.789	19.538	-0.024	-0.01	0.125	84.472
2217_2218	2217	2218	-54.409	-6.435	0.024	0.01	0.059	16.791
2218_2218	2218	2218	54.409	6.435	-0.025	0.006	-0.059	-16.791
2218_2219	2218	2219	-55.029	6.669	0.025	-0.006	0.254	16.49
2219_2219	2219	2219	55.073	-6.668	-0.025	0.003	-0.255	-16.535
2219_2220	2219	2220	-55.832	22.731	0.025	-0.003	0.492	-122.39
2220_2220	2220	2220	55.867	22.778	0.101	0.011	-0.492	122.307
2220_2221	2220	2221	-54.397	-1.664	-0.101	-0.011	-0.774	28.363
2221_2221	2221	2221	54.396	1.664	0.102	-0.008	0.774	-28.363
2221_2222	2221	2222	-52.926	19.468	-0.102	0.008	-2.051	-84.886
2222_2222	2222	2222	52.937	16.405	-0.493	0.005	2.051	85.027
2222_2223	2222	2223	-37.371	5.994	0.493	-0.005	4.479	-34.188
2223_2223	2223	2223	76.889	-3.614	-0.006	-0.015	-0.064	-29.274
2223_2224	2223	2224	-123.942	24.317	0.006	0.015	0.135	-79.684
2224_2224	2224	2224	123.94	22.166	0.018	-0.021	-0.135	79.859
2224_2225	2224	2225	-120.015	-7.629	-0.018	0.021	-0.01	39.223
2225_2225	2225	2225	120.239	7.627	0.017	0.005	0.01	-39.599
2225_2226	2225	2226	-112.547	20.882	-0.017	-0.005	-0.292	-75.135
2226_2226	2226	2226	112.544	22.74	-0.005	0.223	0.292	74.861
2226_2227	2226	2227	-105.915	-1.226	0.005	-0.223	-0.236	63.977
2227_2227	2227	2227	105.909	1.226	-0.004	-0.221	0.236	-63.979
2227_2228	2227	2228	-99.28	20.29	0.004	0.221	-0.188	-59.899
2228_2228	2228	2228	99.222	22.018	0.016	0.037	0.188	60.019
2228_2229	2228	2229	-93.693	-0.5	-0.016	-0.037	-0.38	71.093
2229_2229	2229	2229	93.693	0.5	0.016	-0.028	0.38	-71.093
2229_2230	2229	2230	-88.164	21.019	-0.016	0.028	-0.572	-60.6
2230_2230	2230	2230	88.131	21.671	-0.008	0.356	0.572	60.792
2230_2231	2230	2231	-83.529	0.006	0.008	-0.356	-0.479	66.794
2231_2231	2231	2231	83.533	-0.006	-0.006	-0.341	0.479	-66.792

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2231_2232	2231	2232	-78.934	21.671	0.006	0.341	-0.4	-72.157
2232_2232	2232	2232	78.879	21.733	0.015	0.024	0.4	72.018
2232_2233	2232	2233	-77.031	2.914	-0.015	-0.024	-0.603	56.747
2233_2233	2233	2233	77.299	-2.915	0.015	-0.021	0.6	-57.058
2233_2234	2233	2234	-75.924	21.127	-0.015	0.021	-0.751	-69.317
2234_2234	2234	2234	75.955	19.019	-0.055	0.075	0.751	69.324
2234_2235	2234	2235	-62.572	1.08	0.055	-0.075	-0.12	15.683
2235_2235	2235	2235	63.667	-0.448	-0.308	-0.093	2.487	-17.465
2235_2236	2235	2236	-67.45	19.028	0.308	0.093	0.574	-75.487
2236_2236	2236	2236	67.38	18.898	0.188	-0.012	-0.574	75.643
2236_2237	2236	2237	-67.661	0.751	-0.188	0.012	-1.394	20.083
2237_2237	2237	2237	67.66	-0.751	0.187	0	1.394	-20.083
2237_2238	2237	2238	-67.951	21.055	-0.187	0	-3.427	-97.6
2238_2238	2238	2238	68.107	23.071	-0.173	0.136	3.427	97.611
2238_2239	2238	2239	-68.632	-3.441	0.173	-0.136	-1.616	42.128
2239_2239	2239	2239	68.629	3.441	-0.172	-0.11	1.616	-42.129
2239_2240	2239	2240	-69.331	22.796	0.172	0.11	0.798	-92.436
2240_2240	2240	2240	69.397	21.026	-0.035	-0.01	-0.795	92.288
2240_2241	2240	2241	-67.679	-3.48	0.035	0.01	1.126	20.857
2241_2241	2241	2241	67.679	3.48	-0.035	0.004	-1.126	-20.857
2241_2242	2241	2242	-65.799	15.716	0.035	-0.004	1.488	-43.681
2242_2242	2242	2242	65.806	17.869	-0.069	0.008	-1.488	43.771
2242_2243	2242	2243	-64.977	0.576	0.069	-0.008	2.164	40.532
2243_2243	2243	2243	64.977	-0.576	-0.069	-0.009	-2.164	-40.532
2243_2244	2243	2244	-64.153	18.89	0.069	0.009	2.835	-55.522
2244_2244	2244	2244	64.128	19.158	0.017	0.118	-2.835	55.536
2244_2245	2244	2245	-63.593	-2.053	-0.017	-0.118	2.682	40.669
2245_2245	2245	2245	63.592	2.053	0.017	-0.099	-2.682	-40.67
2245_2246	2245	2246	-62.978	17.577	-0.017	0.099	2.5	-41.471
2246_2246	2246	2246	62.972	16.215	-0.028	0.007	-2.5	41.46
2246_2247	2246	2247	-62.146	3.039	0.028	-0.007	2.787	25.122
2247_2247	2247	2247	62.146	-3.039	-0.028	-0.001	-2.787	-25.122
2247_2248	2247	2248	-61.395	20.546	0.028	0.001	3.048	-86.18
2248_2248	2248	2248	61.349	22.207	0.262	0.292	-3.048	85.855
2248_2249	2248	2249	-62.548	1.669	-0.262	-0.292	-0.295	45.87
2249_2249	2249	2249	62.644	-1.668	0.264	-0.313	0.293	-45.966
2249_2250	2249	2250	-63.745	23.655	-0.264	0.313	-3.399	-101.976
2250_2250	2250	2250	63.78	21.354	-0.132	-0.003	3.399	101.978
2250_2251	2250	2251	-65.099	4.715	0.132	0.003	-1.563	15.148
2251_2251	2251	2251	65.1	-4.715	-0.132	0.005	1.563	-15.148
2251_2252	2251	2252	-65.83	19.141	0.132	-0.005	-0.546	-76.021
2252_2252	2252	2252	65.599	19.043	0.046	-0.006	0.546	75.985
2252_2253	2252	2253	-55.177	-0.122	-0.046	0.006	-1.013	8.62
2253_2253	2253	2253	55.205	0.122	0.047	-0.014	1.013	-8.628
2253_2254	2253	2254	-42.641	22.689	-0.047	0.014	-1.588	-143.555
2254_2254	2254	2254	99.331	19.281	-0.128	-0.034	2.116	52.391
2254_2255	2254	2255	-117.408	-1.468	0.128	0.034	-0.96	63.643
2255_2255	2255	2255	117.412	1.468	-0.128	0.029	0.96	-63.643
2255_2256	2255	2256	-147.148	27.833	0.128	-0.029	0.942	-94.76
2256_2256	2256	2256	147.121	23.986	0.067	0.248	-0.934	94.599
2256_2257	2256	2257	-146.202	-1.878	-0.067	-0.248	0.187	49.598
2257_2257	2257	2257	146.214	1.878	0.067	-0.238	-0.187	-49.594
2257_2258	2257	2258	-145.239	21.56	-0.067	0.238	-0.602	-67.609

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2258_2258	2258	2258	145.251	22.368	-0.003	-0.009	0.602	67.823
2258_2259	2258	2259	-147.137	0.548	0.003	0.009	-0.568	61.424
2259_2259	2259	2259	147.137	-0.548	-0.003	0.021	0.568	-61.424
2259_2260	2259	2260	-149.001	23.206	0.003	-0.021	-0.534	-72.039
2260_2260	2260	2260	148.996	21.734	0.002	0.53	0.534	71.949
2260_2261	2260	2261	-152.802	1.281	-0.002	-0.53	-0.557	51.707
2261_2261	2261	2261	152.807	-1.281	0.002	-0.526	0.557	-51.7
2261_2262	2261	2262	-156.533	23.816	-0.002	0.526	-0.577	-86.929
2262_2262	2262	2262	156.553	22.988	0.026	-0.016	0.577	86.838
2262_2263	2262	2263	-159.152	1.959	-0.026	0.016	-0.908	48.783
2263_2263	2263	2263	159.15	-1.959	0.026	0.018	0.908	-48.784
2263_2264	2263	2264	-161.573	25.21	-0.026	-0.018	-1.216	-108.353
2264_2264	2264	2264	161.604	23.324	-0.038	0.164	1.216	108.631
2264_2265	2264	2265	-161.841	1.93	0.038	-0.164	-0.728	27.826
2265_2265	2265	2265	162.044	-1.93	-0.038	-0.202	0.747	-28.183
2265_2266	2265	2266	-162.26	25.209	0.038	0.202	-0.302	-131.876
2266_2266	2266	2266	162.294	26.217	0.036	0	0.302	131.739
2266_2267	2266	2267	-137.122	-5.638	-0.036	0	-0.672	2.548
2267_2267	2267	2267	137.128	5.638	0.036	-0.039	0.672	-2.547
2267_2268	2267	2268	-114.345	12.988	-0.036	0.039	-1.007	-60.655
2268_2268	2268	2268	64.577	22.819	-0.07	-0.005	0.996	141.854
2268_2269	2268	2269	-77.358	-0.592	0.07	0.005	-0.225	1.973
2269_2269	2269	2269	77.366	0.592	-0.07	-0.017	0.225	-1.976
2269_2270	2269	2270	-92.644	25.979	0.07	0.017	0.701	-148.993
2270_2270	2270	2270	92.661	34.653	0.029	-0.019	-0.701	149.098
2270_2271	2270	2271	-57.758	-11.211	-0.029	0.019	0.365	81.883
2271_2271	2271	2271	57.786	11.209	0.029	-0.019	-0.365	-81.903
2271_2272	2271	2272	-19.765	14.329	-0.029	0.019	0	22.014
2372_2372	2372	2372	17.993	10.147	-0.137	-0.038	0	-23.92
2372_2373	2372	2373	-50.129	8.312	0.137	0.038	1.69	70.442
2373_2373	2373	2373	50.129	-8.312	-0.137	0.019	-1.69	-70.442
2373_2374	2373	2374	-81.546	26.358	0.137	-0.019	3.341	-104.519
2374_2374	2374	2374	81.501	20.213	0.103	-0.003	-3.341	103.896
2374_2375	2374	2375	-72.88	-1.968	-0.103	0.003	2.089	22.194
2375_2375	2375	2375	72.88	1.968	0.103	0.005	-2.089	-22.194
2375_2376	2375	2376	-65.363	13.938	-0.103	-0.005	0.997	-49.657
2376_2376	2376	2376	65.349	15.264	0.14	0.161	-0.997	49.573
2376_2377	2376	2377	-65.936	1.507	-0.14	-0.161	-0.577	27.994
2377_2377	2377	2377	65.934	-1.507	0.139	-0.166	0.577	-27.997
2377_2378	2377	2378	-66.487	17.317	-0.139	0.166	-2.049	-71.245
2378_2378	2378	2378	66.491	18.143	-0.048	0.011	2.049	71.233
2378_2379	2378	2379	-67.025	1.262	0.048	-0.011	-1.428	38.345
2379_2379	2379	2379	67.025	-1.262	-0.048	-0.017	1.428	-38.346
2379_2380	2379	2380	-67.488	18.082	0.048	0.017	-0.889	-70.568
2380_2380	2380	2380	67.635	15.123	-0.092	0.007	0.885	70.414
2380_2381	2380	2381	-69.783	1.313	0.092	-0.007	0.131	7.978
2381_2381	2381	2381	69.78	-1.313	-0.093	-0.028	-0.131	-7.978
2381_2382	2381	2382	-71.702	16.02	0.093	0.028	1.047	-75.151
2382_2382	2382	2382	71.712	18.074	0.035	-0.017	-1.047	74.753
2382_2383	2382	2383	-62.849	0.573	-0.035	0.017	0.616	23.794
2383_2383	2383	2383	62.849	-0.573	0.035	-0.008	-0.616	-23.794
2383_2384	2383	2384	-54.894	17.309	-0.035	0.008	0.229	-85.914
2384_2384	2384	2384	77.635	17.941	0	-0.026	-0.052	49.16

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2384_2385	2384	2385	-66.765	-1.78	0	0.026	0.051	45.751
2385_2385	2385	2385	66.766	1.78	0	0.017	-0.051	-45.751
2385_2386	2385	2386	-54.778	16.043	0	-0.017	0.048	-53.968
2386_2386	2386	2386	54.859	18.404	-0.002	0.253	-0.046	53.765
2386_2387	2386	2387	-56.52	-0.067	0.002	-0.253	0.068	63.365
2387_2387	2387	2387	56.507	0.067	-0.003	-0.248	-0.068	-63.37
2387_2388	2387	2388	-58.125	17.791	0.003	0.248	0.099	-40.664
2388_2388	2388	2388	58.123	18.555	0.008	-0.019	-0.099	40.733
2388_2389	2388	2389	-57.529	0.795	-0.008	0.019	-0.01	75.087
2389_2389	2389	2389	57.53	-0.795	0.008	0.054	0.01	-75.086
2389_2390	2389	2390	-57.013	17.632	-0.008	-0.054	-0.105	-29.725
2390_2390	2390	2390	57.005	18.264	0.001	0.319	0.105	29.745
2390_2391	2390	2391	-57.267	1.568	-0.001	-0.319	-0.12	82.693
2391_2391	2391	2391	57.26	-1.568	0	-0.337	0.12	-82.696
2391_2392	2391	2392	-57.476	17.935	0	0.337	-0.124	-24.432
2392_2392	2392	2392	57.497	17.907	0.004	0.019	0.124	24.132
2392_2393	2392	2393	-58.393	1.205	-0.004	-0.019	-0.169	84.786
2393_2393	2393	2393	58.393	-1.205	0.004	0.037	0.169	-84.786
2393_2394	2393	2394	-59.194	18.273	-0.004	-0.037	-0.21	-26.31
2394_2394	2394	2394	59.175	17.98	0.013	0.425	0.21	26.628
2394_2395	2394	2395	-59.883	-0.392	-0.013	-0.425	-0.364	83.088
2395_2395	2395	2395	59.888	0.392	0.012	-0.345	0.364	-83.089
2395_2396	2395	2396	-60.638	18.221	-0.012	0.345	-0.517	-28.171
2396_2396	2396	2396	60.651	16.728	-0.035	0.039	0.517	28.004
2396_2397	2396	2397	-64.681	1.26	0.035	-0.039	-0.098	70.096
2397_2397	2397	2397	64.682	-1.26	-0.035	0.02	0.098	-70.096
2397_2398	2397	2398	-68.76	19.463	0.035	-0.02	0.327	-52.932
2398_2398	2398	2398	68.77	19.349	0.156	0.187	-0.327	52.92
2398_2399	2398	2399	-68.019	-0.422	-0.156	-0.187	-1.671	72.004
2399_2399	2399	2399	68.023	0.422	0.156	-0.14	1.671	-72.001
2399_2400	2399	2400	-67.274	18.454	-0.156	0.14	-3.659	-44.194
2400_2400	2400	2400	67.281	19.308	-0.249	0.037	3.659	44.292
2400_2401	2400	2401	-18.36	2.435	0.249	-0.037	0	24.607
2572_2572	2572	2572	17.833	10.218	-0.151	-0.012	0	-23.902
2572_2573	2572	2573	-50.228	8.261	0.151	0.012	1.864	71.518
2573_2573	2573	2573	50.228	-8.261	-0.151	0.004	-1.864	-71.518
2573_2574	2573	2574	-81.637	26.177	0.151	-0.004	3.672	-100.516
2574_2574	2574	2574	81.668	19.984	0.146	0.002	-3.672	100.994
2574_2575	2574	2575	-72.948	-2.021	-0.146	-0.002	1.912	21.697
2575_2575	2575	2575	72.948	2.021	0.146	-0.006	-1.912	-21.697
2575_2576	2575	2576	-65.303	13.726	-0.146	0.006	0.369	-48.383
2576_2576	2576	2576	65.288	15.292	0.092	0.164	-0.369	48.211
2576_2577	2576	2577	-65.677	1.53	-0.092	-0.164	-0.669	29.555
2577_2577	2577	2577	65.675	-1.53	0.092	-0.169	0.669	-29.558
2577_2578	2577	2578	-66.046	17.603	-0.092	0.169	-1.661	-73.077
2578_2578	2578	2578	66.034	18.022	-0.028	-0.016	1.661	73.09
2578_2579	2578	2579	-67.049	1.195	0.028	0.016	-1.299	35.512
2579_2579	2579	2579	67.05	-1.195	-0.028	0.015	1.299	-35.511
2579_2580	2579	2580	-67.942	18.094	0.028	-0.015	-0.98	-73.226
2580_2580	2580	2580	68.089	15.299	-0.105	-0.002	0.978	73.261
2580_2581	2580	2581	-69.171	1.087	0.105	0.002	0.173	6.25
2581_2581	2581	2581	69.169	-1.087	-0.105	-0.019	-0.173	-6.25
2581_2582	2581	2582	-70.137	15.739	0.105	0.019	1.202	-74.833

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
2582_2582	2582	2582	70.093	18.22	0.05	-0.01	-1.202	75.123
2582_2583	2582	2583	-61.037	0.204	-0.05	0.01	0.581	24.853
2583_2583	2583	2583	61.037	-0.204	0.05	-0.004	-0.581	-24.853
2583_2584	2583	2584	-52.777	17.008	-0.05	0.004	0.015	-82.054
2584_2584	2584	2584	74.986	17.81	-0.005	-0.011	0.016	46.22
2584_2585	2584	2585	-65.065	-1.703	0.005	0.011	0.04	48.218
2585_2585	2585	2585	65.065	1.703	-0.005	0.006	-0.04	-48.218
2585_2586	2585	2586	-54.118	16.068	0.005	-0.006	0.102	-50.736
2586_2586	2586	2586	54.196	18.343	0.001	0.28	-0.095	50.969
2586_2587	2586	2587	-56.334	-0.212	-0.001	-0.28	0.086	65.733
2587_2587	2587	2587	56.324	0.212	0.001	-0.269	-0.086	-65.739
2587_2588	2587	2588	-58.442	17.746	-0.001	0.269	0.075	-37.356
2588_2588	2588	2588	58.44	18.458	0.007	0.035	-0.075	37.443
2588_2589	2588	2589	-58.118	0.73	-0.007	-0.035	-0.018	77.397
2589_2589	2589	2589	58.118	-0.73	0.007	-0.006	0.018	-77.397
2589_2590	2589	2590	-57.834	17.623	-0.007	0.006	-0.099	-27.173
2590_2590	2590	2590	57.834	18.198	0.001	0.295	0.099	27.099
2590_2591	2590	2591	-58.332	1.522	-0.001	-0.295	-0.114	84.768
2591_2591	2591	2591	58.327	-1.522	0.001	-0.305	0.114	-84.771
2591_2592	2591	2592	-58.741	17.878	-0.001	0.305	-0.128	-21.555
2592_2592	2592	2592	58.723	17.757	0.007	0.052	0.128	22.071
2592_2593	2592	2593	-59.883	1.118	-0.007	-0.052	-0.213	85.356
2593_2593	2593	2593	59.883	-1.118	0.007	0	0.213	-85.357
2593_2594	2593	2594	-60.941	18.332	-0.007	0	-0.29	-26.3
2594_2594	2594	2594	60.973	17.946	-0.005	0.481	0.29	25.625
2594_2595	2594	2595	-61.291	-0.368	0.005	-0.481	-0.233	83.369
2595_2595	2595	2595	61.296	0.368	-0.005	-0.401	0.233	-83.37
2595_2596	2595	2596	-61.63	18.134	0.005	0.401	-0.176	-27.154
2596_2596	2596	2596	61.636	16.469	0.033	0.038	0.176	27.134
2596_2597	2596	2597	-66.498	1.494	-0.033	-0.038	-0.578	68.476
2597_2597	2597	2597	66.498	-1.494	0.033	0.018	0.578	-68.476
2597_2598	2597	2598	-71.403	19.612	-0.033	-0.018	-0.983	-55.666
2598_2598	2598	2598	71.437	19.767	-0.087	0.215	0.983	55.402
2598_2599	2598	2599	-67.397	-0.896	0.087	-0.215	0.127	72.304
2599_2599	2599	2599	67.398	0.896	-0.087	-0.166	-0.127	-72.301
2599_2600	2599	2600	-63.368	17.926	0.087	0.166	1.233	-39.713
2600_2600	2600	2600	63.347	18.639	0.108	0.012	-1.233	39.498
2600_2601	2600	2601	-18.112	-1.758	-0.108	-0.012	0	24.611
3000_3000	3000	3000	67.006	456.281	-0.386	2.722	0	-322.668
3000_3001	3000	3001	-52.239	-412.783	0.386	-2.722	5.761	6736.893
3001_3001	3001	3001	52.24	412.783	-0.391	-4.696	-5.761	-6736.9
3001_3002	3001	3002	-41.947	-382.466	0.391	4.696	9.827	10823.8
3002_3002	3002	3002	41.931	325.348	1.138	11.323	-9.827	-10824
3002_3003	3002	3003	-32.518	-289.888	-1.138	-11.323	-4.007	14522.08
3003_3003	3003	3003	32.516	289.888	1.13	-12.889	4.007	-14522.1
3003_3004	3003	3004	-23.098	-254.405	-1.13	12.889	-17.76	17790.83
3004_3004	3004	3004	23.105	211.885	0.414	8.077	17.76	-17791.2
3004_3005	3004	3005	-16.448	-176.411	-0.414	-8.077	-22.8	20123.12
3005_3005	3005	3005	16.448	176.411	0.41	-9.769	22.8	-20123.1
3005_3006	3005	3006	-9.787	-140.911	-0.41	9.769	-27.796	22024.65
3006_3006	3006	3006	9.777	97.735	-0.104	18.72	27.796	-22025
3006_3007	3006	3007	-6.317	-62.267	0.104	-18.72	-26.527	22982.81
3007_3007	3007	3007	6.317	62.267	-0.112	-19.802	26.527	-22982.8

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3007_3008	3007	3008	-2.855	-26.778	0.112	19.802	-25.17	23509.45
3008_3008	3008	3008	2.867	-15.93	0.654	8.746	25.17	-23510.1
3008_3009	3008	3009	-2.757	51.413	-0.654	-8.746	-33.127	23100.69
3009_3009	3009	3009	2.757	-51.413	0.651	-9.474	33.127	-23100.7
3009_3010	3009	3010	-2.647	86.892	-0.651	9.474	-41.042	22259.62
3010_3010	3010	3010	2.64	-130.002	-0.223	16.105	41.042	-22260
3010_3011	3010	3011	-5.614	165.477	0.223	-16.105	-38.334	20477.2
3011_3011	3011	3011	5.613	-165.477	-0.229	-16.083	38.334	-20477.2
3011_3012	3011	3012	-8.586	200.946	0.229	16.083	-35.544	18263.29
3012_3012	3012	3012	8.584	-243.244	0.045	5.984	35.544	-18263.7
3012_3013	3012	3013	-14.231	278.735	-0.045	-5.984	-36.093	15114.18
3013_3013	3013	3013	14.231	-278.735	0.042	-5.765	36.093	-15114.2
3013_3014	3013	3014	-19.877	314.222	-0.042	5.765	-36.6	11533.08
3014_3014	3014	3014	19.879	-355.574	0.202	3.745	36.6	-11533.3
3014_3015	3014	3015	-27.024	403.559	-0.202	-3.745	-39.93	5321.483
3015_3015	3015	3015	25.558	-402.411	0.171	-3.081	39.672	-5275.06
3015_3016	3015	3016	-30.957	424.858	-0.171	3.083	-41.079	1881.684
3016_3016	3016	3016	70.566	-472.599	1.171	-1.306	47.21	-2026.7
3016_3017	3016	3017	-81.494	504.707	-1.171	1.289	-60.979	-3675.22
3017_3017	3017	3017	96.023	-502.389	1.165	1.356	61.183	3673.023
3017_3018	3017	3018	-106.391	541.29	-1.165	-1.385	-76.654	-10552.6
3018_3018	3018	3018	125.83	-587.647	0.289	-12.841	75.581	10552.95
3018_3019	3018	3019	-134.676	626.227	-0.289	12.891	-79.203	-18122.6
3019_3019	3019	3019	151.869	-622.831	0.282	13.505	82.166	18123.41
3019_3020	3019	3020	-159.287	663.897	-0.282	-13.449	-85.705	-26173.7
3020_3020	3020	3020	-2416.25	206.426	-10.527	-5.233	254.889	5458.542
3020_3021	3020	3021	2416.226	-179.87	10.527	5.233	-154.951	-3624.84
3021_3021	3021	3021	-2416.32	179.87	-5.745	1.939	153.353	3625.264
3021_3022	3021	3022	2416.312	-160.293	5.745	-1.939	-108.815	-2306.79
3022_3022	3022	3022	-2416.31	160.293	-5.745	1.939	108.815	2306.787
3022_3023	3022	3023	2416.3	-140.716	5.745	-1.939	-64.277	-1140.08
3023_3023	3023	3023	-2416.34	93.83	-9.037	-0.353	64.277	1140.125
3023_3024	3023	3024	2416.042	-73.623	9.037	0.353	8.038	-469.027
3024_3024	3024	3024	-2416.04	73.623	-9.037	-0.353	-8.038	469.027
3024_3025	3024	3025	2415.744	-53.415	9.037	0.353	80.353	40.365
3025_3025	3025	3025	-2415.75	53.415	-6.323	-0.32	-80.353	-40.365
3025_3026	3025	3026	2415.455	-33.235	6.323	0.32	130.881	387.686
3026_3026	3026	3026	-2415.44	-13.199	-5.21	-0.216	-130.881	-387.766
3026_3027	3026	3027	2414.671	28.354	5.21	0.216	162.144	266.099
3027_3027	3027	3027	-2414.68	-28.354	-1.179	-0.55	-162.144	-266.098
3027_3028	3027	3028	2413.909	43.506	1.179	0.55	169.221	53.529
3028_3028	3028	3028	-2413.91	-43.506	-1.179	-0.55	-169.221	-53.529
3028_3029	3028	3029	2413.142	58.658	1.179	0.55	176.298	-249.952
3029_3029	3029	3029	-2413.14	-58.658	2.852	-0.043	-176.298	249.953
3029_3030	3029	3030	2412.374	73.807	-2.852	0.043	159.189	-644.274
3030_3030	3030	3030	-2412.38	-120.633	1.711	-2.818	-159.189	644.231
3030_3031	3030	3031	2410.622	140.859	-1.711	2.818	145.483	-1684.42
3031_3031	3031	3031	-2410.62	-140.859	4.436	-0.883	-145.483	1684.419
3031_3032	3031	3032	2408.864	161.056	-4.436	0.883	110.005	-2884.84
3032_3032	3032	3032	-2408.86	-161.056	7.461	2.746	-110.005	2884.838
3032_3033	3032	3033	2407.103	181.252	-7.461	-2.746	50.34	-4246.63
3033_3033	3033	3033	-2407.11	-229.991	4.316	-9.756	-50.34	4246.762
3033_3034	3033	3034	2404.942	249.553	-4.316	9.756	16.91	-6095.49

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3034_3034	3034	3034	-2404.92	-249.553	10.859	6.675	-16.91	6095.499
3034_3035	3034	3035	2402.751	269.135	-10.859	-6.675	-67.294	-8097.92
3035_3035	3035	3035	-2403.8	-269.147	9.557	2.095	68.145	8102.97
3035_3036	3035	3036	2401.257	295.727	-9.557	-2.095	-158.963	-10776.8
3036_3036	3036	3036	164.837	553.016	0.594	-12.246	-12.356	32945.58
3036_3037	3036	3037	-160.559	-511.949	-0.594	12.276	4.885	-26283.2
3037_3037	3037	3037	146.383	515.346	0.573	10.559	-7.248	26282.45
3037_3038	3037	3038	-141.661	-476.738	-0.573	-10.532	0.057	-20091.6
3038_3038	3038	3038	125.707	436.619	-0.165	-4.309	1.148	20091.97
3038_3039	3038	3039	-120.794	-397.705	0.165	4.306	1.042	-14587
3039_3039	3039	3039	655.032	393.126	-0.482	3.094	9.664	11658.74
3039_3040	3039	3040	-658.406	-361.133	0.482	-3.103	-3.999	-7328.84
3040_3040	3040	3040	650.312	312.524	0.293	0.622	4.127	7330.157
3040_3041	3040	3041	-630.549	-290.485	-0.293	-0.628	-6.548	-4961.16
3041_3041	3041	3041	716.536	293.154	0.116	-0.71	7.888	4525.882
3041_3042	3041	3042	-638.407	-254.833	-0.116	0.71	-9.744	-491.859
3042_3042	3042	3042	638.411	209.382	0.017	2.4	9.744	491.888
3042_3043	3042	3043	-583.414	-180.773	-0.017	-2.4	-9.943	1591.369
3043_3043	3043	3043	583.413	180.773	-0.011	-2.823	9.943	-1591.37
3043_3044	3043	3044	-528.42	-152.166	0.011	2.823	-9.816	3332.532
3044_3044	3044	3044	528.435	112.096	0.1	6.786	9.816	-3332.61
3044_3045	3044	3045	-475.746	-83.49	-0.1	-6.786	-11.013	4261.619
3045_3045	3045	3045	475.746	83.49	0.043	-6.888	11.013	-4261.62
3045_3046	3045	3046	-423.021	-54.865	-0.043	6.888	-11.531	4849.037
3046_3046	3046	3046	423.028	14.5	-0.056	0.369	11.531	-4849.13
3046_3047	3046	3047	-373.151	14.097	0.056	-0.369	-10.865	4622.932
3047_3047	3047	3047	373.151	-14.097	-0.058	-0.115	10.865	-4622.93
3047_3048	3047	3048	-323.232	42.718	0.058	0.115	-10.172	4054.421
3048_3048	3048	3048	323.24	-83.448	0.027	0.145	10.172	-4054.51
3048_3049	3048	3049	-275.852	112.063	-0.027	-0.145	-10.492	2666.928
3049_3049	3049	3049	275.852	-112.063	0.029	0.421	10.492	-2666.93
3049_3050	3049	3050	-228.503	140.655	-0.029	-0.421	-10.837	938.797
3050_3050	3050	3050	228.498	-182.767	-0.24	0.11	10.837	-938.802
3050_3051	3050	3051	-167.106	221.051	0.24	-0.11	-6.996	-2575.88
3051_3051	3051	3051	166.29	-219.322	-0.259	1.188	6.866	2593.138
3051_3052	3051	3052	-136.564	239.734	0.259	-1.189	-4.727	-4627.61
3052_3052	3052	3052	143.468	-284.917	0.715	-1.583	4.663	4628.443
3052_3053	3052	3053	-108.204	314.389	-0.715	1.582	-13.071	-8339.11
3053_3053	3053	3053	105.234	-311.65	0.578	4.134	17.969	8403.563
3053_3054	3053	3054	-86.438	349.382	-0.578	-4.13	-25.641	-12928.3
3054_3054	3054	3054	100.529	-391.827	0.709	-14.261	24.157	12930.52
3054_3055	3054	3055	-95.482	429.064	-0.709	14.29	-33.048	-18178.7
3055_3055	3055	3055	107.497	-425.014	0.656	16.338	36.361	18181.81
3055_3056	3055	3056	-111.196	464.425	-0.656	-16.306	-44.613	-23846.3
3056_3056	3056	3056	-1972.49	269.472	-7.748	-3.896	145.184	7545.481
3056_3057	3056	3057	1981.697	-243.717	7.748	3.896	-71.564	-5149.32
3057_3057	3057	3057	-1983.3	243.716	-4.975	3.501	72.134	5119.251
3057_3058	3057	3058	1990.858	-223.177	4.975	-3.501	-33.59	-3345.03
3058_3058	3058	3058	-1990.86	223.177	-4.975	3.501	33.59	3345.034
3058_3059	3058	3059	1998.419	-202.639	4.975	-3.501	4.954	-1729.94
3059_3059	3059	3059	-1998.44	156.846	-7.918	-0.578	-4.954	1729.966
3059_3060	3059	3060	2005.8	-135.618	7.918	0.578	68.356	-592.681
3060_3060	3060	3060	-2005.81	135.618	-5.391	0.996	-68.356	592.679

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3060_3061	3060	3061	2013.156	-114.418	5.391	-0.996	111.469	373.45
3061_3061	3061	3061	-2013.16	114.418	-5.391	0.996	-111.469	-373.45
3061_3062	3061	3062	2020.504	-93.218	5.391	-0.996	154.581	1170.044
3062_3062	3062	3062	-2020.49	48.848	-0.031	0.636	-154.581	-1170.1
3062_3063	3062	3063	2025.501	-32.936	0.031	-0.636	154.765	1392.318
3063_3063	3063	3063	-2025.5	32.936	-0.031	0.636	-154.765	-1392.32
3063_3064	3063	3064	2030.508	-17.025	0.031	-0.636	154.948	1519.031
3064_3064	3064	3064	-2030.51	17.025	-0.031	0.636	-154.948	-1519.03
3064_3065	3064	3065	2035.516	-1.113	0.031	-0.636	155.132	1550.243
3065_3065	3065	3065	-2035.51	1.113	3.353	-0.062	-155.132	-1550.24
3065_3066	3065	3066	2040.511	14.77	-3.353	0.062	135.043	1486.153
3066_3066	3066	3066	-2040.51	-59.3	4.815	-0.474	-135.043	-1486.25
3066_3067	3066	3067	2046.47	80.521	-4.815	0.474	96.501	898.522
3067_3067	3067	3067	-2046.47	-80.521	4.815	-0.474	-96.501	-898.522
3067_3068	3067	3068	2052.433	101.742	-4.815	0.474	57.96	140.919
3068_3068	3068	3068	-2052.42	-101.742	10.065	2.359	-57.96	-140.922
3068_3069	3068	3069	2058.369	122.934	-10.065	-2.359	-22.497	-785.144
3069_3069	3069	3069	-2058.39	-167.425	4.913	-5.571	22.497	785.155
3069_3070	3069	3070	2064.121	187.98	-4.913	5.571	-60.593	-2190.22
3070_3070	3070	3070	-2064.11	-187.98	7.543	-1.146	60.593	2190.22
3070_3071	3070	3071	2069.831	208.507	-7.543	1.146	-119.001	-3752.42
3071_3071	3071	3071	-2066.71	-208.505	10.452	6.011	121.245	3776.688
3071_3072	3071	3072	2073.559	234.269	-10.452	-6.011	-220.593	-5913.72
3072_3072	3072	3072	66.942	502.941	-0.241	-6.731	34.689	21841.5
3072_3073	3072	3073	-34.201	-463.924	0.241	6.771	-31.662	-15840.8
3073_3073	3073	3073	21.308	467.971	-0.265	7.618	30.059	15838.8
3073_3074	3073	3074	12.737	-431.216	0.265	-7.582	-26.738	-10269.5
3074_3074	3074	3074	-27.413	393.256	-0.508	0.417	27.347	10268.67
3074_3075	3074	3075	56.7	-355.958	0.508	-0.413	-20.598	-5337.63
3075_3075	3075	3075	441.852	352.469	-0.923	-0.031	14.947	2603.812
3075_3076	3075	3076	-441.778	-324.002	0.923	0.025	-4.089	1315.085
3076_3076	3076	3076	434.436	279.651	0.644	6.968	4.005	-1314.33
3076_3077	3076	3077	-423.637	-259.999	-0.644	-6.969	-9.31	3476.009
3077_3077	3077	3077	390.807	262.619	0.605	-6.609	10.489	-3443.08
3077_3078	3077	3078	-360.183	-225.832	-0.605	6.609	-19.288	6852.653
3078_3078	3078	3078	360.181	186.71	-0.149	-0.153	19.288	-6852.81
3078_3079	3078	3079	-337.716	-158.306	0.149	0.153	-17.617	8685.002
3079_3079	3079	3079	337.716	158.306	-0.149	-0.153	17.617	-8685
3079_3080	3079	3080	-315.251	-129.902	0.149	0.153	-15.946	10198.14
3080_3080	3080	3080	315.251	94.202	-0.171	5.457	15.946	-10198.3
3080_3081	3080	3081	-294.95	-65.775	0.171	-5.457	-14.023	11001.08
3081_3081	3081	3081	294.95	65.775	-0.195	-5.542	14.023	-11001.1
3081_3082	3081	3082	-274.667	-37.375	0.195	5.542	-11.833	11483.98
3082_3082	3082	3082	274.669	-1.032	0.01	5.582	11.833	-11484.2
3082_3083	3082	3083	-255.402	31.556	-0.01	-5.582	-11.957	11194.68
3083_3083	3083	3083	255.402	-31.556	-0.014	-5.357	11.957	-11194.7
3083_3084	3083	3084	-236.119	62.104	0.014	5.357	-11.787	10536.05
3084_3084	3084	3084	236.122	-100.552	-0.011	5.016	11.787	-10536.2
3084_3085	3084	3085	-220.564	128.948	0.011	-5.016	-11.66	9171.344
3085_3085	3085	3085	220.564	-128.948	-0.037	-4.418	11.66	-9171.34
3085_3086	3085	3086	-204.992	157.367	0.037	4.418	-11.239	7486.012
3086_3086	3086	3086	204.995	-194.328	-0.16	2.82	11.239	-7486.18
3086_3087	3086	3087	-191.68	222.746	0.16	-2.82	-9.446	5075.822

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3087_3087	3087	3087	191.679	-222.746	-0.184	-2.029	9.446	-5075.82
3087_3088	3087	3088	-178.376	251.138	0.184	2.029	-7.384	2348.751
3088_3088	3088	3088	178.376	-288.606	-0.186	-0.297	7.384	-2348.78
3088_3089	3088	3089	-163.646	323.98	0.186	0.297	-4.787	-2011.53
3089_3089	3089	3089	166.752	-322.23	-0.203	1.252	4.836	2062.353
3089_3090	3089	3090	-157.964	343.058	0.203	-1.253	-3.159	-4851.95
3090_3090	3090	3090	166.781	-383.601	0.018	-4.511	2.999	4852.576
3090_3091	3090	3091	-157.334	413.569	-0.018	4.502	-3.207	-9592.68
3091_3091	3091	3091	157.465	-409.726	-0.182	4.372	5.68	9655.789
3091_3092	3091	3092	-153.057	446.77	0.182	-4.381	-3.271	-15381.9
3092_3092	3092	3092	169.689	-488.419	0.893	-8.169	2.282	15383.76
3092_3093	3092	3093	-170.475	525.075	-0.893	8.192	-13.488	-21771.7
3093_3093	3093	3093	185.032	-519.975	0.87	8.896	15.302	21774.45
3093_3094	3093	3094	-188.878	558.84	-0.87	-8.87	-26.244	-28577.9
3094_3094	3094	3094	-2231.75	239.159	-4.124	-7.756	10.98	8109.404
3094_3095	3094	3095	2236.455	-213.844	4.124	7.756	28.218	-5977.5
3095_3095	3095	3095	-2238.32	213.855	0.828	5.537	-28.209	5986.571
3095_3096	3095	3096	2241.975	-193.822	-0.828	-5.537	21.798	-4424.42
3096_3096	3096	3096	-2241.98	193.822	0.915	5.713	-21.798	4424.418
3096_3097	3096	3097	2245.632	-173.764	-0.915	-5.713	14.704	-3015.66
3097_3097	3097	3097	-2245.65	129.877	-2.826	-2.169	-14.704	3015.715
3097_3098	3097	3098	2249.094	-109.172	2.826	2.169	37.318	-2074.54
3098_3098	3098	3098	-2249.1	109.172	0.057	0.944	-37.318	2074.54
3098_3099	3098	3099	2252.533	-88.494	-0.057	-0.944	36.863	-1299.96
3099_3099	3099	3099	-2252.53	88.494	0.135	1.004	-36.863	1299.955
3099_3100	3099	3100	2255.976	-67.79	-0.135	-1.004	35.784	-689.986
3100_3100	3100	3100	-2255.93	24.788	8.748	4.594	-35.784	689.96
3100_3101	3100	3101	2258.04	-9.261	-8.748	-4.594	-16.72	-597.427
3101_3101	3101	3101	-2258.04	9.261	8.748	4.594	16.72	597.427
3101_3102	3101	3102	2260.15	6.267	-8.748	-4.594	-69.224	-598.088
3102_3102	3102	3102	-2260.14	-6.267	-11.117	-5.845	69.224	598.086
3102_3103	3102	3103	2262.248	21.772	11.117	5.845	-2.594	-691.742
3103_3103	3103	3103	-2262.26	-21.772	-7.04	-3.484	2.594	691.748
3103_3104	3103	3104	2264.374	37.303	7.04	3.484	39.666	-878.709
3104_3104	3104	3104	-2264.37	-80.373	-1.494	-1.952	-39.666	878.712
3104_3105	3104	3105	2266.527	101.08	1.494	1.952	51.622	-1615.1
3105_3105	3105	3105	-2266.53	-101.08	1.377	0.916	-51.622	1615.102
3105_3106	3105	3106	2268.682	121.76	-1.377	-0.916	40.615	-2515.96
3106_3106	3106	3106	-2268.68	-121.76	1.466	1.04	-40.615	2515.962
3106_3107	3106	3107	2270.839	142.466	-1.466	-1.04	28.882	-3583.57
3107_3107	3107	3107	-2270.84	-185.812	0.855	-3.353	-28.882	3583.624
3107_3108	3107	3108	2272.705	205.87	-0.855	3.353	22.252	-5111.07
3108_3108	3108	3108	-2272.71	-205.87	0.768	-3.572	-22.252	5111.073
3108_3109	3108	3109	2274.566	225.903	-0.768	3.572	16.302	-6791.77
3109_3109	3109	3109	-2274.99	-225.905	3.219	4.588	-17.211	6793.87
3109_3110	3109	3110	2277.374	251.218	-3.219	-4.588	-13.381	-9072.63
3110_3110	3110	3110	175.442	541.888	-0.716	-20.513	30.002	29761.61
3110_3111	3110	3111	-158.747	-503.189	0.716	20.555	-21.002	-23237.6
3111_3111	3111	3111	144.733	508.47	-0.781	19.436	16.794	23235.56
3111_3112	3111	3112	-126.562	-472.016	0.781	-19.4	-6.989	-17130.8
3112_3112	3112	3112	110.813	435.815	-0.018	-3.338	8.907	17130.02
3112_3113	3112	3113	-93.752	-398.936	0.018	3.323	-8.663	-11625.5
3113_3113	3113	3113	530.161	397.777	-0.35	3.416	16.913	9220.531

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3113_3114	3113	3114	-530.087	-368.002	0.35	-3.429	-12.801	-4797.94
3114_3114	3114	3114	521.78	324.956	-0.139	-0.142	12.894	4798.825
3114_3115	3114	3115	-506.709	-304.363	0.139	0.139	-11.748	-2285.82
3115_3115	3115	3115	562.823	307.043	-0.162	-0.25	11.735	1833.854
3115_3116	3115	3116	-511.733	-272.896	0.162	0.25	-9.389	2134.507
3116_3116	3116	3116	511.729	233.877	-0.045	6.973	9.389	-2134.5
3116_3117	3116	3117	-474.398	-207.409	0.045	-6.973	-8.879	4441.241
3117_3117	3117	3117	474.398	207.409	-0.114	-7.309	8.879	-4441.24
3117_3118	3117	3118	-437.101	-180.965	0.114	7.309	-7.602	6448.71
3118_3118	3118	3118	437.106	146.147	-0.011	9.455	7.602	-6448.75
3118_3119	3118	3119	-401.887	-119.703	0.011	-9.455	-7.484	7776.757
3119_3119	3119	3119	401.887	119.703	-0.079	-9.544	7.484	-7776.76
3119_3120	3119	3120	-366.669	-93.26	0.079	9.544	-6.592	8807.734
3120_3120	3120	3120	366.663	55.92	-0.179	4.741	6.592	-8807.7
3120_3121	3120	3121	-331.756	-27.499	0.179	-4.741	-4.433	9146.411
3121_3121	3121	3121	331.756	27.499	-0.211	-4.597	4.433	-9146.41
3121_3122	3121	3122	-296.848	0.921	0.211	4.597	-1.888	9142.056
3122_3122	3122	3122	296.848	-38.753	-0.101	4.598	1.888	-9142.05
3122_3123	3122	3123	-267.212	65.195	0.101	-4.598	-0.751	8417.126
3123_3123	3123	3123	267.212	-65.195	-0.136	-4.226	0.751	-8417.13
3123_3124	3123	3124	-237.549	91.661	0.136	4.226	0.777	7394.205
3124_3124	3124	3124	237.55	-128.778	-0.216	5.932	-0.777	-7394.21
3124_3125	3124	3125	-210.895	155.22	0.216	-5.932	3.202	5671.049
3125_3125	3125	3125	210.895	-155.22	-0.285	-5.432	-3.202	-5671.05
3125_3126	3125	3126	-184.241	181.661	0.285	5.432	6.401	3650.973
3126_3126	3126	3126	184.234	-219.886	-0.062	0.292	-6.401	-3650.98
3126_3127	3126	3127	-154.007	252.401	0.062	-0.292	7.256	242.364
3127_3127	3127	3127	157.743	-250.525	-0.103	0.134	-7.221	-201.603
3127_3128	3127	3128	-139.275	269.462	0.103	-0.134	8.073	-2031.84
3128_3128	3128	3128	146.705	-313.695	-0.352	-4.853	-8.239	2032.491
3128_3129	3128	3129	-128.503	341.003	0.352	4.843	12.375	-5987.58
3129_3129	3129	3129	132.306	-336.275	0.178	9.469	-11.415	6020.6
3129_3130	3129	3130	-127.156	372.082	-0.178	-9.513	9.053	-10796.5
3130_3130	3130	3130	141.753	-413.158	-0.038	-5.525	-10.152	10798.68
3130_3131	3130	3131	-145.33	448.563	0.038	5.664	10.645	-16254
3131_3131	3131	3131	161.415	-441.255	-0.067	6.943	-9.294	16258.3
3131_3132	3131	3132	-170.253	476.389	0.067	-6.789	10.098	-21690.6
3132_3132	3132	3132	-1959.23	218.416	25.274	14.915	-307.759	5686.215
3132_3133	3132	3133	1962.042	-191.885	-25.274	-14.915	47.438	-3586.82
3133_3133	3133	3133	-1969.73	191.883	22.625	9.779	-47.974	3624.24
3133_3134	3133	3134	1972.187	-173.632	-22.625	-9.779	-127.368	-2219.79
3134_3134	3134	3134	-1972.24	173.632	-2.09	-23.072	127.368	2219.708
3134_3135	3134	3135	1974.705	-155.309	2.09	23.072	-111.108	-951.985
3135_3135	3135	3135	-1974.9	114.775	-2.508	-0.177	111.108	952.404
3135_3136	3135	3136	1978.124	-95.933	2.508	0.177	-91.045	-124.434
3136_3136	3136	3136	-1978.12	95.933	-2.508	-0.177	91.045	124.434
3136_3137	3136	3137	1981.347	-77.091	2.508	0.177	-70.983	552.782
3137_3137	3137	3137	-1981.35	77.091	0.124	0.091	70.983	-552.782
3137_3138	3137	3138	1984.566	-58.273	-0.124	-0.091	-71.971	1078.671
3138_3138	3138	3138	-1984.54	17.509	-3.172	0.114	71.971	-1078.76
3138_3139	3138	3139	1986.371	-3.377	3.172	-0.114	-52.935	1132.479
3139_3139	3139	3139	-1986.37	3.377	-3.172	0.114	52.935	-1132.48
3139_3140	3139	3140	1988.202	10.754	3.172	-0.114	-33.898	1101.402

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3140_3140	3140	3140	-1988.2	-10.754	0.389	-0.233	33.898	-1101.4
3140_3141	3140	3141	1990.035	24.885	-0.389	0.233	-36.235	985.529
3141_3141	3141	3141	-1990.03	-24.885	-3.172	-0.139	36.235	-985.529
3141_3142	3141	3142	1991.864	39.017	3.172	0.139	-17.198	784.853
3142_3142	3142	3142	-1991.87	-80.982	-2.277	-0.033	17.198	-784.923
3142_3143	3142	3143	1993.458	99.824	2.277	0.033	1.019	53.034
3143_3143	3143	3143	-1993.46	-99.824	0.395	1.16	-1.019	-53.034
3143_3144	3143	3144	1995.051	118.665	-0.395	-1.16	-2.138	-829.591
3144_3144	3144	3144	-1995.05	-118.665	-2.277	-1.19	2.138	829.591
3144_3145	3144	3145	1996.641	137.507	2.277	1.19	16.079	-1862.99
3145_3145	3145	3145	-1996.65	-181.504	-2.282	1.799	-16.079	1862.999
3145_3146	3145	3146	1998.005	199.757	2.282	-1.799	33.765	-3348.25
3146_3146	3146	3146	-1998	-199.757	-5.039	-3.986	-33.765	3348.248
3146_3147	3146	3147	1999.357	218.01	5.039	3.986	72.825	-4975.01
3147_3147	3147	3147	-1986.76	-218.014	-2.925	2.134	-72.66	4913.547
3147_3148	3147	3148	1988.095	242.487	2.925	-2.134	100.452	-7109.01
3148_3148	3148	3148	170.676	463.116	-0.143	-0.42	-3.837	23801.79
3148_3149	3148	3149	-148.754	-425.681	0.143	0.442	5.633	-18254.1
3149_3149	3149	3149	136.821	431.878	-0.144	-0.026	-5.669	18251.65
3149_3150	3149	3150	-114.196	-396.671	0.144	0.046	7.471	-13091.5
3150_3150	3150	3150	100.363	359.553	-0.925	-0.212	-7.449	13090.01
3150_3151	3150	3151	-81.549	-323.938	0.925	0.195	19.729	-8572.39
3151_3151	3151	3151	609.202	321.839	-0.21	-0.274	-6.993	5687.124
3151_3152	3151	3152	-604.513	-293.694	0.21	0.279	9.459	-2169.17
3152_3152	3152	3152	597.763	248.589	0.281	-0.868	-9.454	2169.873
3152_3153	3152	3153	-578.353	-229.166	-0.281	0.864	7.137	-301.486
3153_3153	3153	3153	610.073	232.595	0.266	0.147	-6.868	134.446
3153_3154	3153	3154	-555.229	-201.24	-0.266	-0.147	3.211	2609.343
3154_3154	3154	3154	555.246	159.358	0.105	3.219	-3.211	-2609.34
3154_3155	3154	3155	-514.576	-134.256	-0.105	-3.219	2.053	4048.175
3155_3155	3155	3155	514.576	134.256	0.056	-3.376	-2.053	-4048.18
3155_3156	3155	3156	-473.907	-109.154	-0.056	3.376	1.432	5210.836
3156_3156	3156	3156	473.901	73.442	0.17	0.016	-1.432	-5210.85
3156_3157	3156	3157	-438.721	-50.599	-0.17	-0.016	-0.27	5678.503
3157_3157	3157	3157	438.721	50.599	0.17	0.016	0.27	-5678.5
3157_3158	3157	3158	-403.54	-27.757	-0.17	-0.016	-1.972	5917.474
3158_3158	3158	3158	403.54	-5.519	0.007	0.17	1.972	-5917.46
3158_3159	3158	3159	-370.693	28.361	-0.007	-0.17	-2.045	5603.929
3159_3159	3159	3159	370.693	-28.361	0.006	0.052	2.045	-5603.93
3159_3160	3159	3160	-337.813	51.227	-0.006	-0.052	-2.109	5061.058
3160_3160	3160	3160	337.819	-88.391	0.027	2.443	2.109	-5061.07
3160_3161	3160	3161	-304.521	113.47	-0.027	-2.443	-2.403	3804.803
3161_3161	3161	3161	304.521	-113.47	-0.023	-2.099	2.403	-3804.8
3161_3162	3161	3162	-271.193	138.571	0.023	2.099	-2.15	2271.382
3162_3162	3162	3162	271.189	-178.634	0.126	0.302	2.15	-2271.36
3162_3163	3162	3163	-231.794	210.011	-0.126	-0.302	-3.889	-576.019
3163_3163	3163	3163	235.811	-207.35	0.18	-0.034	3.843	568.84
3163_3164	3163	3164	-213.003	226.793	-0.18	0.034	-5.327	-2461.88
3164_3164	3164	3164	219.593	-271.711	-0.095	1.71	5.386	2462.391
3164_3165	3164	3165	-193.935	299.795	0.095	-1.722	-4.266	-5956.82
3165_3165	3165	3165	185.323	-293.553	-0.34	-2.023	3.088	6050.644
3165_3166	3165	3166	-170.335	329.815	0.34	2.012	1.421	-10318.3
3166_3166	3166	3166	184.359	-375.793	0.315	-0.011	-1.302	10320.56

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3166_3167	3166	3167	-182.175	411.579	-0.315	0.031	-2.648	-15360.5
3167_3167	3167	3167	193.678	-404.331	0.315	-0.093	2.647	15363.93
3167_3168	3167	3168	-199.237	442.288	-0.315	0.115	-6.607	-20775.7
3168_3168	3168	3168	-1844.86	245.214	-2.267	-3.869	17.519	5980.819
3168_3169	3168	3169	1851.585	-220.405	2.267	3.869	4.022	-3797.81
3169_3169	3169	3169	-1858.04	220.39	0.593	2.058	-4.618	3829.274
3169_3170	3169	3170	1863.926	-201.633	-0.593	-2.058	0.02	-2219.24
3170_3170	3170	3170	-1863.93	201.633	0.593	2.058	-0.02	2219.243
3170_3171	3170	3171	1869.817	-182.877	-0.593	-2.058	-4.578	-754.591
3171_3171	3171	3171	-1869.88	135.68	-0.382	-0.036	4.578	754.677
3171_3172	3171	3172	1875.703	-116.342	0.382	0.036	-1.529	226.965
3172_3172	3172	3172	-1875.7	116.342	-0.34	-0.027	1.529	-226.965
3172_3173	3172	3173	1881.537	-96.981	0.34	0.027	1.188	1055.018
3173_3173	3173	3173	-1881.54	96.981	-0.34	-0.027	-1.188	-1055.02
3173_3174	3173	3174	1887.372	-77.619	0.34	0.027	3.906	1728.158
3174_3174	3174	3174	-1887.37	33.275	1.858	-0.833	-3.906	-1728.23
3174_3175	3174	3175	1891.225	-18.754	-1.858	0.833	-7.241	1867.337
3175_3175	3175	3175	-1891.23	18.754	-1.579	0.909	7.241	-1867.34
3175_3176	3175	3176	1895.085	-4.232	1.579	-0.909	2.234	1919.304
3176_3176	3176	3176	-1895.09	4.232	1.858	-0.849	-2.234	-1919.31
3176_3177	3176	3177	1898.944	10.289	-1.858	0.849	-8.913	1884.134
3177_3177	3177	3177	-1898.94	-10.289	-1.579	0.78	8.913	-1884.13
3177_3178	3177	3178	1902.804	24.81	1.579	-0.78	0.562	1761.824
3178_3178	3178	3178	-1902.8	-69.616	-0.414	-0.293	-0.562	-1761.84
3178_3179	3178	3179	1907.163	88.978	0.414	0.293	3.878	1107.817
3179_3179	3179	3179	-1907.16	-88.978	-0.414	-0.293	-3.878	-1107.82
3179_3180	3179	3180	1911.524	108.339	0.414	0.293	7.195	298.878
3180_3180	3180	3180	-1911.52	-108.339	2.163	0.651	-7.195	-298.878
3180_3181	3180	3181	1915.884	127.701	-2.163	-0.651	-10.111	-664.954
3181_3181	3181	3181	-1915.94	-174.505	-2.209	-2.563	10.111	665.063
3181_3182	3181	3182	1920.179	193.238	2.209	2.563	6.986	-2107.6
3182_3182	3182	3182	-1920.18	-193.238	0.497	1.722	-6.986	2107.595
3182_3183	3182	3183	1924.426	211.994	-0.497	-1.722	3.138	-3697.25
3183_3183	3183	3183	-1912.02	-211.99	-0.089	0.303	-2.558	3636.707
3183_3184	3183	3184	1916.915	236.798	0.089	-0.303	3.406	-5790.74
3184_3184	3184	3184	160.369	453.06	-0.314	-0.109	1.174	20479.28
3184_3185	3184	3185	-132.399	-415.398	0.314	0.139	2.772	-15038
3185_3185	3185	3185	120.719	422.652	-0.314	-0.079	-2.776	15035.27
3185_3186	3185	3186	-93.18	-387.219	0.314	0.106	6.71	-9974.94
3186_3186	3186	3186	79.283	346.954	-0.131	-0.516	-6.675	9973.41
3186_3187	3186	3187	-58.213	-311.017	0.131	0.507	8.413	-5604.15
3187_3187	3187	3187	560.103	310.484	-0.182	-0.149	-0.079	2858.463
3187_3188	3187	3188	-558.472	-281.125	0.182	0.144	2.219	547.984
3188_3188	3188	3188	551.933	232.706	0.134	-1.278	-2.208	-547.017
3188_3189	3188	3189	-537.42	-212.403	-0.134	1.277	1.102	2303.506
3189_3189	3189	3189	555.555	216.092	0.141	0.368	-1.024	-2300.49
3189_3190	3189	3190	-513.208	-181.856	-0.141	-0.368	-0.91	4853.999
3190_3190	3190	3190	513.216	138.654	0.048	-0.237	0.91	-4854.03
3190_3191	3190	3191	-481.239	-111.246	-0.048	0.237	-1.437	6091.447
3191_3191	3191	3191	481.239	111.246	0.048	-0.237	1.437	-6091.45
3191_3192	3191	3192	-449.262	-83.837	-0.048	0.237	-1.965	7027.332
3192_3192	3192	3192	449.257	44.676	0.134	-0.1	1.965	-7027.29
3192_3193	3192	3193	-422.182	-19.585	-0.134	0.1	-3.318	7233.713

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3193_3193	3193	3193	422.182	19.585	0.134	-0.1	3.318	-7233.71
3193_3194	3193	3194	-395.107	5.506	-0.134	0.1	-4.672	7187.441
3194_3194	3194	3194	395.127	-41.468	-0.172	0.062	4.672	-7187.47
3194_3195	3194	3195	-370.212	66.559	0.172	-0.062	-2.937	6534.581
3195_3195	3195	3195	370.212	-66.559	-0.172	0.062	2.937	-6534.58
3195_3196	3195	3196	-345.297	91.65	0.172	-0.062	-1.201	5628.998
3196_3196	3196	3196	345.272	-130.493	0.043	-2.13	1.201	-5628.97
3196_3197	3196	3197	-320.255	157.876	-0.043	2.13	-1.675	3933.673
3197_3197	3197	3197	320.255	-157.876	0.085	2.488	1.675	-3933.67
3197_3198	3197	3198	-295.216	185.285	-0.085	-2.488	-2.611	1935.415
3198_3198	3198	3198	295.227	-226.893	0.015	0.202	2.611	-1935.45
3198_3199	3198	3199	-265.596	261.153	-0.015	-0.202	-2.819	-1552.68
3199_3199	3199	3199	268.302	-258.126	0.003	0.425	2.726	1478.743
3199_3200	3199	3200	-249.846	279.335	-0.003	-0.425	-2.75	-3786.35
3200_3200	3200	3200	257.694	-324.172	0.601	-0.586	2.727	3787.263
3200_3201	3200	3201	-236.144	354.748	-0.601	0.577	-9.787	-7896.51
3201_3201	3201	3201	236.355	-347.307	0.313	1.597	11.703	7956.873
3201_3202	3201	3202	-226.701	387.934	-0.313	-1.608	-15.862	-12935
3202_3202	3202	3202	242.317	-431.701	0.648	0.53	15.844	12938.06
3202_3203	3202	3203	-241.398	471.636	-0.648	-0.496	-23.976	-18685.1
3203_3203	3203	3203	254.535	-463.392	0.648	-0.143	23.98	18689.6
3203_3204	3203	3204	-259.339	505.503	-0.648	0.182	-32.134	-24856.7
3204_3204	3204	3204	-2034.8	271.661	1.328	2.257	13.136	7604.971
3204_3205	3204	3205	2040.431	-243.794	-1.328	-2.257	-25.753	-5181.75
3205_3205	3205	3205	-2041.82	243.785	-0.942	-3.297	26.554	4938.386
3205_3206	3205	3206	2046.773	-222.533	0.942	3.297	-19.25	-3153.03
3206_3206	3206	3206	-2046.77	222.533	2.039	1.494	19.25	3153.029
3206_3207	3206	3207	2051.723	-201.281	-2.039	-1.494	-35.054	-1532.43
3207_3207	3207	3207	-2051.65	150.368	-4.921	-0.086	35.054	1532.499
3207_3208	3207	3208	2056.49	-128.43	4.921	0.086	4.315	-438.677
3208_3208	3208	3208	-2056.49	128.43	-4.967	-0.109	-4.315	438.677
3208_3209	3208	3209	2061.328	-106.52	4.967	0.109	44.011	478.583
3209_3209	3209	3209	-2061.33	106.52	-2.033	0.261	-44.011	-478.585
3209_3210	3209	3210	2066.176	-84.582	2.033	-0.261	60.273	1221.565
3210_3210	3210	3210	-2066.23	34.372	-2.668	0.326	-60.273	-1221.7
3210_3211	3210	3211	2069.381	-17.918	2.668	-0.326	76.283	1364.361
3211_3211	3211	3211	-2069.38	17.918	-2.668	0.326	-76.283	-1364.36
3211_3212	3211	3212	2072.534	-1.465	2.668	-0.326	92.292	1408.289
3212_3212	3212	3212	-2072.54	1.465	1.183	-0.455	-92.292	-1408.29
3212_3213	3212	3213	2075.688	14.988	-1.183	0.455	85.195	1353.486
3213_3213	3213	3213	-2075.69	-14.988	-2.668	0.152	-85.195	-1353.49
3213_3214	3213	3214	2078.84	31.441	2.668	-0.152	101.205	1199.947
3214_3214	3214	3214	-2078.94	-81.848	5.475	0.672	-101.205	-1199.94
3214_3215	3214	3215	2082.533	103.786	-5.475	-0.672	57.396	440.791
3215_3215	3215	3215	-2082.54	-103.786	2.587	-0.154	-57.396	-440.79
3215_3216	3215	3216	2086.127	125.723	-2.587	0.154	36.695	-493.898
3216_3216	3216	3216	-2086.13	-125.723	2.587	-0.154	-36.695	493.898
3216_3217	3216	3217	2089.715	147.661	-2.587	0.154	15.994	-1604.11
3217_3217	3217	3217	-2089.71	-197.724	2.567	-5.123	-15.994	1604.031
3217_3218	3217	3218	2093.101	218.976	-2.567	5.123	-3.9	-3234.69
3218_3218	3218	3218	-2093.11	-218.976	-0.415	-10.958	3.9	3234.678
3218_3219	3218	3219	2096.496	240.228	0.415	10.958	-0.687	-5030.09
3219_3219	3219	3219	-2088.59	-240.227	9.13	16.463	0.815	5248.012

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3219_3220	3219	3220	2092.53	268.063	-9.13	-16.463	-87.466	-7678.78
3220_3220	3220	3220	225.554	520.083	-1.418	-35.088	38.911	24887.51
3220_3221	3220	3221	-201.481	-478.305	1.418	35.12	-21.067	-18631.9
3221_3221	3221	3221	188.038	486.516	-1.562	33.925	13.723	18628.47
3221_3222	3221	3222	-163.29	-446.972	1.562	-33.897	5.875	-12801.9
3222_3222	3222	3222	147.599	407.895	3.449	-2.227	-2.643	12799.26
3222_3223	3222	3223	-125.874	-367.629	-3.449	2.203	-43.143	-7671.33
3223_3223	3223	3223	634.435	367.403	0.292	1.764	5.417	4821.661
3223_3224	3223	3224	-625.978	-335.281	-0.292	-1.82	-8.852	-799.951
3224_3224	3224	3224	618.13	283.546	0.037	14.084	8.719	800.934
3224_3225	3224	3225	-597.144	-261.305	-0.037	-14.073	-9.025	1336.016
3225_3225	3225	3225	571.185	265.699	-0.129	-10.625	9.549	-1141.16
3225_3226	3225	3226	-514.166	-221.15	0.129	10.625	-7.493	4771.949
3226_3226	3226	3226	514.09	172.643	0.685	19.441	7.493	-4771.61
3226_3227	3226	3227	-472.035	-138.803	-0.685	-19.441	-15.788	6473.051
3227_3227	3227	3227	472.038	138.803	0.553	-19.073	15.788	-6473.06
3227_3228	3227	3228	-430.015	-104.989	-0.553	19.073	-22.473	7764.168
3228_3228	3228	3228	429.82	58.678	0.41	20.999	22.473	-7762.07
3228_3229	3228	3229	-391.188	-22.744	-0.41	-20.999	-27.43	8084.865
3229_3229	3229	3229	391.184	22.915	0.278	-20.352	27.43	-8084.86
3229_3230	3229	3230	-354.874	13.022	-0.278	20.352	-30.789	7984.356
3230_3230	3230	3230	354.758	-58.42	0.006	16.609	30.789	-7982.56
3230_3231	3230	3231	-321.682	94.865	-0.006	-16.609	-30.868	6894.411
3231_3231	3231	3231	321.685	-94.692	-0.125	-16.091	30.868	-6894.41
3231_3232	3231	3232	-291.021	131.113	0.125	16.091	-29.338	5372.041
3232_3232	3232	3232	290.914	-182.424	2.345	4.973	29.338	-5371.28
3232_3233	3232	3233	-273.867	205.707	-2.345	-4.973	-47.713	3772.15
3233_3233	3233	3233	273.879	-205.599	2.326	2.406	47.713	-3772.19
3233_3234	3233	3234	-258.566	227.752	-2.326	-2.406	-65.052	2085.65
3234_3234	3234	3234	268.152	-224.322	2.591	-4.973	70.262	-2118.18
3234_3235	3234	3235	-250.536	251.263	-2.591	5.008	-93.24	-78.018
3235_3235	3235	3235	256.515	-298.701	0.689	-4.434	93.203	78.053
3235_3236	3235	3236	-247.28	316.641	-0.689	4.392	-97.248	-1937.36
3236_3236	3236	3236	224.026	-313.388	2.271	-2.656	145.099	2076.912
3236_3237	3236	3237	-219.073	330.178	-2.271	2.569	-157.07	-3814.33
3237_3237	3237	3237	244.794	-324.787	1.501	7.681	158.201	3708.748
3237_3238	3237	3238	-243.446	361.883	-1.501	-7.94	-173.107	-7162.27
3238_3238	3238	3238	255.11	-400.532	-2.315	-14.043	171.795	7162.746
3238_3239	3238	3239	-260.75	439.971	2.315	13.882	-147.953	-11523.1
3239_3239	3239	3239	270.844	-432.547	-2.407	13.508	150.753	11526.76
3239_3240	3239	3240	-279.768	475.239	2.407	-13.708	-124.753	-16459.4
3240_3240	3240	3240	293.554	-492.591	-37.904	-30.387	119.889	16455.55
3240_3241	3240	3241	-300.925	522.662	37.904	30.728	159.765	-20214.9
3241_3241	3241	3241	-1952.61	350.967	-13.571	4.06	395.644	6274.872
3241_3242	3241	3242	1967.796	-316.455	13.571	-4.06	-266.766	-3168.55
3242_3242	3242	3242	-1964.17	316.541	-5.649	17.796	268.213	3150.923
3242_3243	3242	3243	1975.823	-289.039	5.649	-17.796	-224.854	-875.381
3243_3243	3243	3243	-1973.25	227.641	-35.831	0.32	224.854	874.173
3243_3244	3243	3244	1983.652	-193.528	35.831	-0.32	116.263	1087.07
3244_3244	3244	3244	-1983.74	193.65	-30.921	-0.003	-116.263	-1087.02
3244_3245	3244	3245	1993.383	-157.449	30.921	0.003	428.652	2819.868
3245_3245	3245	3245	-1994.21	110.089	-12.991	5.726	-428.652	-2819.16
3245_3246	3245	3246	2002.009	-74.455	12.991	-5.726	557.845	3703.373

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3246_3246	3246	3246	-2002.04	74.577	-3.952	-4.576	-557.845	-3703.42
3246_3247	3246	3247	2008.287	-39.902	3.952	4.576	596.086	4230.105
3247_3247	3247	3247	-2008.28	-10.213	-0.325	5.65	-596.086	-4229.31
3247_3248	3247	3248	2012.548	43.131	0.325	-5.65	599.074	3965.078
3248_3248	3248	3248	-2012.56	-43.01	7.237	-3.32	-599.074	-3964.95
3248_3249	3248	3249	2015.977	80.394	-7.237	3.32	523.568	3305.107
3249_3249	3249	3249	-2014.5	-122.482	-18.309	0.525	-523.568	-3304.69
3249_3250	3249	3250	2015.951	159.119	18.309	-0.525	710.765	1856.839
3250_3250	3250	3250	-2015.98	-158.998	-11.746	-0.721	-710.765	-1856.93
3250_3251	3250	3251	2016.02	192.695	11.746	0.721	821.225	200.835
3251_3251	3251	3251	-2019.43	-233.748	77.469	-9.232	-821.225	-201.328
3251_3252	3251	3252	2016.892	263.856	-77.469	9.232	170.278	-1881.29
3252_3252	3252	3252	-2016.62	-263.752	84.97	2.06	-170.278	1881.31
3252_3253	3252	3253	2013.082	293.942	-84.97	-2.06	-545.619	-4218.71
3253_3253	3253	3253	-2009.52	-293.837	87.842	9.325	545.504	4202.036
3253_3254	3253	3254	2005.408	321.686	-87.842	-9.325	-1218.63	-6546
3254_3254	3254	3254	-2001.06	-354.091	-37.609	-102.317	1218.631	6541.423
3254_3255	3254	3255	1998.374	365.955	37.609	102.317	-1095.85	-7706.81
3255_3255	3255	3255	286.614	475.064	-53.698	-5.129	825.244	21420.43
3255_3256	3255	3256	-262.011	-433.856	53.698	4.71	-272.703	-16778.8
3256_3256	3256	3256	245.214	447.07	-53.849	48.255	266.157	16772.7
3256_3257	3256	3257	-226.549	-415.248	53.849	-48.521	175.316	-13268
3257_3257	3257	3257	213.738	382.42	11.774	-26.413	-168.289	13261.78
3257_3258	3257	3258	-191.859	-344.987	-11.774	26.802	51.814	-9698.18
3258_3258	3258	3258	184.936	351.172	11.675	1.377	-53.891	9696.557
3258_3259	3258	3259	-167.48	-319.178	-11.675	-1.111	-46.767	-6833.52
3259_3259	3259	3259	108.107	324.403	12.309	32.677	53.905	7124.658
3259_3260	3259	3260	-101.76	-314.421	-12.309	-32.613	-92.819	-6124.23
3260_3260	3260	3260	649.893	251.738	0.434	11.855	21.716	3237.049
3260_3261	3260	3261	-679.681	-226.955	-0.434	-11.918	-24.971	-1335.46
3261_3261	3261	3261	675.29	235.259	0.301	3.748	25.272	1334.783
3261_3262	3261	3262	-697.234	-204.814	-0.301	-3.78	-28.082	806.973
3262_3262	3262	3262	724.12	210.497	-0.128	-17.08	26.222	-1133.67
3262_3263	3262	3263	-733.208	-186.015	0.128	17.08	-25.242	2700.257
3263_3263	3263	3263	733.159	128.672	0.91	12.635	25.242	-2699.71
3263_3264	3263	3264	-748.278	-92.661	-0.91	-12.635	-35.489	4024.644
3264_3264	3264	3264	748.252	92.831	0.746	-11.232	35.489	-4024.54
3264_3265	3264	3265	-766.319	-55.168	-0.746	11.232	-44.283	4987.73
3265_3265	3265	3265	766.272	5.948	0.724	20.825	44.283	-4987.53
3265_3266	3265	3266	-787.964	31.188	-0.724	-20.825	-52.698	4946.935
3266_3266	3266	3266	787.968	-31.017	0.482	-20.401	52.698	-4946.95
3266_3267	3266	3267	-811.5	67.558	-0.482	20.401	-58.213	4497.038
3267_3267	3267	3267	811.497	-116.73	0.649	13.636	58.213	-4497.03
3267_3268	3267	3268	-839.367	153.834	-0.649	-13.636	-65.752	3058.511
3268_3268	3268	3268	839.372	-153.664	0.47	-13.487	65.752	-3058.53
3268_3269	3268	3269	-869.029	190.234	-0.47	13.487	-71.134	1230.443
3269_3269	3269	3269	869.006	-242.941	-0.364	10.281	71.134	-1230.23
3269_3270	3269	3270	-905.461	281.951	0.364	-10.281	-66.697	-1803.87
3270_3270	3270	3270	905.45	-281.771	-0.608	-11.036	66.697	1803.879
3270_3271	3270	3271	-944	320.415	0.608	11.036	-59.35	-5266.43
3271_3271	3271	3271	944.305	-376.089	6.034	-2.091	59.35	5266.11
3271_3272	3271	3272	-967.987	398.243	-6.034	2.091	-101.171	-7841.02
3272_3272	3272	3272	896.164	-391.954	6.22	-5.347	92.941	8457.35

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3272_3273	3272	3273	-904.768	424.444	-6.22	5.396	-151.661	-12241.6
3273_3273	3273	3273	912.869	-414.443	6.022	3.731	151.887	12240.92
3273_3274	3273	3274	-894.214	443.239	-6.022	-3.623	-201.48	-15784.6
3274_3274	3274	3274	900.444	-492.766	-29.016	-23.27	200.496	15786.41
3274_3275	3274	3275	-893.11	501.02	29.016	23.175	-132.934	-16950.9
3275_3275	3275	3275	791.402	-497.846	-30.717	-19.263	124.682	17596.68
3275_3276	3275	3276	-761.987	532.53	30.717	18.708	141.691	-22103.5
3276_3276	3276	3276	771.809	-524.023	-30.892	25.718	-139.115	22103.61
3276_3277	3276	3277	-734.643	559.854	30.892	-26.42	408.372	-26896.2
3277_3277	3277	3277	363.156	-575.411	44.765	-75.087	-767.954	29365.51
3277_3278	3277	3278	-368.451	619.035	-44.765	74.667	299.812	-35629.7
3278_3278	3278	3278	389.338	-605.506	44.665	14.547	-291.951	35636.63
3278_3279	3278	3279	-395.831	647.297	-44.665	-15.018	-139.691	-41711.5
3279_3279	3279	3279	-2980.18	502.673	25.766	139.225	497.149	14553.74
3279_3280	3279	3280	2987.515	-486.758	-25.766	-139.225	-603.426	-12542.5
3280_3280	3280	3280	-2988.22	372.547	-75.552	-32.679	603.426	12543.83
3280_3281	3280	3281	2995.759	-348.34	75.552	32.679	-129.45	-10312.5
3281_3281	3281	3281	-3001.18	348.42	-65.189	-4.194	132.401	10600.6
3281_3282	3281	3282	3012.047	-313.508	65.189	4.194	496.899	-7449.92
3282_3282	3282	3282	-3012.19	313.623	-55.409	19.71	-496.899	7449.734
3282_3283	3282	3283	3020.516	-283.39	55.409	-19.71	960.109	-4988.34
3283_3283	3283	3283	-3077.2	254.035	13.651	-6.196	-959.786	5255.706
3283_3284	3283	3284	3093.071	-215.674	-13.651	6.196	791.012	-2418.56
3284_3284	3284	3284	-3092.98	215.804	26.188	5.727	-791.012	2418.508
3284_3285	3284	3285	3106.595	-178.803	-26.188	-5.727	478.735	-123.039
3285_3285	3285	3285	-3106.76	82.324	5.337	-0.59	-478.735	123.075
3285_3286	3285	3286	3111.259	-45.587	-5.337	0.59	415.545	615.027
3286_3286	3286	3286	-3111.17	45.706	19.301	0.714	-415.545	-615.183
3286_3287	3286	3287	3113.778	-13.391	-19.301	-0.714	214.528	911.513
3287_3287	3287	3287	-3113.69	-32.206	26.024	-1.415	-214.528	-911.509
3287_3288	3287	3288	3116.277	67.253	-26.024	1.415	-79.419	337.816
3288_3288	3288	3288	-3116.16	-67.134	37.084	0.937	79.419	-337.857
3288_3289	3288	3289	3117.246	101.066	-37.084	-0.937	-484.958	-587.802
3289_3289	3289	3289	-3117.76	-187.203	-14.834	-8.211	484.958	587.714
3289_3290	3289	3290	3116.486	213.156	14.834	8.211	-360.882	-2258.27
3290_3290	3290	3290	-3116.5	-213.07	-7.737	-0.889	360.882	2258.241
3290_3291	3290	3291	3114.554	237.453	7.737	0.889	-300.084	-4021.87
3291_3291	3291	3291	-3107.31	-237.378	-1.213	9.515	300.416	3713.833
3291_3292	3291	3292	3104.571	263.743	1.213	-9.515	-290.852	-5679.12
3292_3292	3292	3292	-3104.76	-327.922	-10.82	-19.623	290.852	5679.653
3292_3293	3292	3293	3103.748	336.319	10.82	19.623	-263.691	-6509.79
3293_3293	3293	3293	298.644	895.072	-9.451	-54.427	51.596	29839.32
3293_3294	3293	3294	-283.644	-862.814	9.451	54.444	28.549	-22442.1
3294_3294	3294	3294	252.621	873.414	-9.498	46.195	-39.064	22437.75
3294_3295	3294	3295	-233.728	-837.348	9.498	-46.178	132.329	-14110.7
3295_3295	3295	3295	207.047	767.399	4.745	-24.23	-126.66	14109.73
3295_3296	3295	3296	-187.493	-728.55	-4.745	24.2	74.947	-6024.92
3296_3296	3296	3296	169.868	734.247	4.698	9.564	-76.616	6023.381
3296_3297	3296	3297	-155.823	-705.305	-4.698	-9.577	37.735	-115.488
3297_3297	3297	3297	119.122	709.038	4.51	18.786	-34.054	241.375
3297_3298	3297	3298	-111.873	-695.851	-4.51	-18.788	14.583	2763.834
3298_3298	3298	3298	36.633	614.081	-0.026	7.918	16.278	-2394.32
3298_3299	3298	3299	-27.897	-589.081	0.026	-7.926	-16.066	7314.13

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3299_3299	3299	3299	25.594	589.853	-0.057	0.151	16.1	-7314.33
3299_3300	3299	3300	-19.504	-567.251	0.057	-0.151	-15.673	11599.04
3300_3300	3300	3300	61.872	567.459	0.319	-16.641	11.683	-11837.7
3300_3301	3300	3301	-56.883	-542.689	-0.319	16.641	-13.951	15760.32
3301_3301	3301	3301	56.792	463.246	-0.181	36.235	13.951	-15760.5
3301_3302	3301	3302	-48.921	-421.133	0.181	-36.235	-11.759	21067.9
3302_3302	3302	3302	48.918	421.239	-0.236	-32.346	11.759	-21067.9
3302_3303	3302	3303	-42.39	-378.733	0.236	32.346	-8.885	25916.95
3303_3303	3303	3303	42.391	299.116	1.744	40.787	8.885	-25917.9
3303_3304	3303	3304	-38.62	-254.39	-1.744	-40.787	-31.269	29453.72
3304_3304	3304	3304	38.653	254.495	1.701	-39.15	31.269	-29453.9
3304_3305	3304	3305	-36.619	-214.607	-1.701	39.15	-50.74	32130.56
3305_3305	3305	3305	36.574	140.659	-0.083	56.064	50.74	-32131.6
3305_3306	3305	3306	-37.519	-94.534	0.083	-56.064	-49.644	33694.72
3306_3306	3306	3306	37.562	94.639	-0.136	-58.299	49.644	-33695
3306_3307	3306	3307	-39.633	-56.149	0.136	58.299	-48.146	34539.37
3307_3307	3307	3307	39.612	-14.541	1.313	55.231	48.146	-34540.7
3307_3308	3307	3308	-45.344	58.348	-1.313	-55.231	-64.647	34112.15
3308_3308	3308	3308	45.366	-58.242	1.265	-50.187	64.647	-34112.3
3308_3309	3308	3309	-52.062	99.031	-1.265	50.187	-79.452	33225.88
3309_3309	3309	3309	52.041	-171.23	-0.908	47.579	79.452	-33226.8
3309_3310	3309	3310	-62.492	212.594	0.908	-47.579	-68.671	31001.06
3310_3310	3310	3310	62.481	-212.489	-0.95	-36.296	68.671	-31001
3310_3311	3310	3311	-74.855	255.756	0.95	36.296	-56.877	28155.7
3311_3311	3311	3311	74.896	-317.969	4.389	38.542	56.877	-28156.7
3311_3312	3311	3312	-89.283	360.173	-4.389	-38.542	-110.025	24121.2
3312_3312	3312	3312	89.3	-360.067	4.345	-31.011	110.025	-24121.2
3312_3313	3312	3313	-105.159	402.45	-4.345	31.011	-162.854	19562.22
3313_3313	3313	3313	105.066	-499.272	-4.711	25.536	162.854	-19562.8
3313_3314	3313	3314	-128.357	543.577	4.711	-25.536	-102.972	13047.86
3314_3314	3314	3314	128.335	-543.467	-4.764	-17.753	102.972	-13047.9
3314_3315	3314	3315	-153.051	587.564	4.764	17.753	-42.7	6012.928
3315_3315	3315	3315	153.253	-628.529	-5.218	-1.729	42.7	-6014.3
3315_3316	3315	3316	-171.332	657.052	5.218	1.729	0	841.948
3400_3020	3400	3020	2645.234	-242.53	-8.499	0.786	-276.489	-3455
3400_3401	3400	3401	-2646.28	246.519	8.499	-0.786	311.307	2453.194
3401_3401	3401	3401	2642.931	-238.75	24.531	-1.92	-300.365	-2453.28
3401_3402	3401	3402	-2643.84	242.142	-24.531	1.92	214.815	1614.74
3402_3402	3402	3402	2648.926	-178.625	19.858	0.329	-215.65	-1614.63
3402_3403	3402	3403	-2652.02	189.174	-19.858	-0.329	-1.172	-393.261
3403_3403	3403	3403	2646.894	-111.248	0.925	-0.653	1.465	393.255
3403_3404	3403	3404	-2649.15	118.141	-0.925	0.653	-8.126	-1219.51
3404_3404	3404	3404	2651.155	-57.63	-1.189	0.142	8.455	1219.512
3404_3405	3404	3405	-2653.57	64.482	1.189	-0.142	0.127	-1660.14
3405_3405	3405	3405	2652.315	24.633	0.845	-0.348	-0.331	1660.143
3405_3406	3405	3406	-2657.62	-11.131	-0.845	0.348	-11.848	-1402.47
3406_3406	3406	3406	2655.941	100.591	0.02	-0.734	12.45	1402.473
3406_3407	3406	3407	-2659.5	-92.414	-0.02	0.734	-12.623	-547.897
3407_3407	3407	3407	2657.07	146.308	-5.083	0.036	13.077	547.887
3407_3408	3407	3408	-2659.52	-140.962	5.083	-0.036	15.192	250.977
3408_3408	3408	3408	2636.223	-421.725	8.436	-0.109	-15.711	-251.008
3408_3409	3408	3409	-2636.92	424.841	-8.436	0.109	-9.753	-1026.61
3409_3409	3409	3409	2631.488	403.565	0.096	-0.684	9.929	1026.222

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3409_3410	3409	3410	-2630.79	-400.44	-0.096	0.684	-10.22	190.678
3410_3410	3410	3410	2652.834	-164.352	3.688	-1.307	8.687	-190.666
3410_3411	3410	3411	-2650.38	169.689	-3.688	1.307	-29.171	-736.908
3411_3411	3411	3411	2653.395	-113.191	-2.953	-0.117	28.35	736.941
3411_3412	3411	3412	-2649.84	121.376	2.953	0.117	-2.178	-1776.4
3412_3412	3412	3412	2655.699	-32.692	0.182	-0.597	1.371	1776.418
3412_3413	3412	3413	-2650.39	46.197	-0.182	0.597	-3.994	-2344.9
3413_3413	3413	3413	2655.941	42.32	2.881	-2.44	3.191	2344.938
3413_3414	3413	3414	-2653.53	-35.471	-2.881	2.44	-23.97	-2064.38
3414_3414	3414	3414	2651.99	96.988	-2.501	1.245	22.52	2064.4
3414_3415	3414	3415	-2649.73	-90.09	2.501	-1.245	-4.493	-1390.19
3415_3415	3415	3415	2657.245	168.243	-10.867	-1.148	5.199	1390.206
3415_3416	3415	3416	-2654.15	-157.695	10.867	1.148	113.455	389.142
3416_3416	3416	3416	2649.668	220.545	-11.748	1.409	-113.415	-389.153
3416_3417	3416	3417	-2648.76	-217.157	11.748	-1.409	154.337	1151.524
3417_3417	3417	3417	2651.845	227.014	-17.301	-1.594	-158.398	-1151.58
3417_3036	3417	3036	-2650.8	-223.02	17.301	1.594	229.362	2074.549
3420_3056	3420	3056	2182.541	-225.452	-7.398	0.987	-107.552	-3722.76
3420_3421	3420	3421	-2183.47	228.984	7.398	-0.987	137.837	2792.539
3421_3421	3421	3421	2180.16	-223.397	10.696	-0.485	-131.974	-2792.54
3421_3422	3421	3422	-2180.96	226.401	-10.696	0.485	94.687	2008.528
3422_3422	3422	3422	2185.727	-174.583	9.524	0.659	-94.995	-2008.51
3422_3423	3422	3423	-2188.47	183.935	-9.524	-0.659	-9.047	50.23
3423_3423	3423	3423	2184.996	-119.751	0.699	0.11	7.893	-50.233
3423_3424	3423	3424	-2186.99	125.858	-0.699	-0.11	-12.926	-834.282
3424_3424	3424	3424	2189.296	-75.911	-1.486	0.658	13.222	834.277
3424_3425	3424	3425	-2191.44	81.981	1.486	-0.658	-2.501	-1403.93
3425_3425	3425	3425	2190.892	-9.679	0.198	0.338	2.265	1403.934
3425_3426	3425	3426	-2195.59	21.65	-0.198	-0.338	-5.117	-1629.77
3426_3426	3426	3426	2194.562	52.336	0.24	0.061	5.557	1629.779
3426_3427	3426	3427	-2197.71	-45.095	-0.24	-0.061	-7.677	-1198.59
3427_3427	3427	3427	2196.333	89.927	-1.189	0.67	8.029	1198.59
3427_3428	3427	3428	-2198.52	-85.165	1.189	-0.67	-1.42	-712.049
3428_3428	3428	3428	2173.075	-382.407	-4.041	-0.208	2.472	712.07
3428_3429	3428	3429	-2173.7	385.194	4.041	0.208	9.764	-1874.33
3429_3429	3429	3429	2175.459	389.169	2.091	0.719	-9.88	1877.057
3429_3430	3429	3430	-2174.84	-386.391	-2.091	-0.719	3.568	-706.289
3430_3430	3430	3430	2201.409	-80.495	-0.942	1.063	-3.909	706.289
3430_3431	3430	3431	-2199.22	85.257	0.942	-1.063	9.146	-1166.83
3431_3431	3431	3431	2200.521	-39.338	1.848	-0.215	-8.484	1166.838
3431_3432	3431	3432	-2197.37	46.587	-1.848	0.215	-7.892	-1547.47
3432_3432	3432	3432	2199.065	26.48	-0.247	0.225	7.321	1547.512
3432_3433	3432	3433	-2194.36	-14.513	0.247	-0.225	-3.766	-1252.11
3433_3433	3433	3433	2195.183	86.913	-0.009	0.543	4.258	1252.131
3433_3434	3433	3434	-2193.04	-80.845	0.009	-0.543	-4.194	-647.131
3434_3434	3434	3434	2190.567	131.835	2.089	-0.187	4.413	647.13
3434_3435	3434	3435	-2188.57	-125.722	-2.089	0.187	-19.472	281.25
3435_3435	3435	3435	2192.043	189.314	-17.614	0.172	21.499	-281.251
3435_3436	3435	3436	-2189.3	-179.967	17.614	-0.172	170.811	2297.203
3436_3436	3436	3436	2184.214	233.44	-21.573	0.061	-169.613	-2297.29
3436_3437	3436	3437	-2183.41	-230.429	21.573	-0.061	244.974	3107.502
3437_3437	3437	3437	2187.395	233.509	-7.847	-1.33	-254.555	-3107.59
3437_3072	3437	3072	-2186.47	-229.98	7.847	1.33	286.656	4055.645

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3440_3094	3440	3094	2503.351	-210.241	-8.531	0.499	-38.198	-2356.78
3440_3441	3440	3441	-2504.27	213.742	8.531	-0.499	73.144	1488.365
3441_3441	3441	3441	2499.091	-207.025	5.643	-0.781	-69.158	-1488.37
3441_3442	3441	3442	-2499.89	210.004	-5.643	0.781	49.466	760.749
3442_3442	3442	3442	2504.243	-149.342	5.489	0.371	-49.485	-760.749
3442_3443	3442	3443	-2506.96	158.597	-5.489	-0.371	-10.433	-919.858
3443_3443	3443	3443	2505.173	-85.5	-0.722	0.334	10.56	919.858
3443_3444	3443	3444	-2507.15	91.555	0.722	-0.334	-5.354	-1558.09
3444_3444	3444	3444	2508.603	-33.275	-0.242	-0.09	5.255	1558.09
3444_3445	3444	3445	-2510.72	39.286	0.242	0.09	-3.507	-1819.8
3445_3445	3445	3445	2509.669	44.58	0.116	0.073	4.417	1819.807
3445_3446	3445	3446	-2514.33	-32.727	-0.116	-0.073	-6.084	-1262.7
3446_3446	3446	3446	2512.392	117.749	-0.039	0.18	7.805	1262.71
3446_3447	3446	3447	-2515.51	-110.572	0.039	-0.18	-7.457	-251.665
3447_3447	3447	3447	2512.707	162.241	2.574	-0.228	7.342	251.668
3447_3448	3447	3448	-2514.88	-157.52	-2.574	0.228	-21.648	637.097
3448_3448	3448	3448	2499.557	-376.819	-11.942	3.849	23.275	-637.126
3448_3449	3448	3449	-2500.17	379.577	11.942	-3.849	12.833	-506.446
3449_3449	3449	3449	2499.87	375.299	11.953	-3.881	-12.825	506.784
3449_3450	3449	3450	-2499.25	-372.55	-11.953	3.881	-23.211	620.533
3450_3450	3450	3450	2516.47	-160.036	-1.69	0.148	21.58	-620.516
3450_3451	3450	3451	-2514.3	164.758	1.69	-0.148	-12.185	-282.365
3451_3451	3451	3451	2517.158	-113.025	-0.899	-0.19	12.223	282.364
3451_3452	3451	3452	-2514.04	120.203	0.899	0.19	-4.263	-1315.32
3452_3452	3452	3452	2519.189	-35.422	0.064	-0.115	2.93	1315.329
3452_3453	3452	3453	-2514.53	47.276	-0.064	0.115	-3.852	-1911.34
3453_3453	3453	3453	2518.596	36.485	0.717	-0.227	2.702	1911.348
3453_3454	3453	3454	-2516.48	-30.474	-0.717	0.227	-7.878	-1669.83
3454_3454	3454	3454	2515.088	88.934	0.211	-0.07	7.759	1669.831
3454_3455	3454	3455	-2513.11	-82.879	-0.211	0.07	-9.277	-1050.47
3455_3455	3455	3455	2517.949	156.054	-4.307	-0.211	9.232	1050.47
3455_3456	3455	3456	-2515.24	-146.799	4.307	0.211	37.782	602.298
3456_3456	3456	3456	2510.935	207.714	-6.659	0.128	-37.622	-602.308
3456_3457	3456	3457	-2510.14	-204.736	6.659	-0.128	60.857	1321.882
3457_3457	3457	3457	2515.64	211.094	4.003	-0.588	-64.431	-1321.86
3457_3110	3457	3110	-2514.72	-207.594	-4.003	0.588	48.033	2179.369
3460_3132	3460	3132	2198.113	-309.154	-24.301	-1.323	235.309	-4079.93
3460_3461	3460	3461	-2199.03	313.387	24.301	1.323	-116.185	2554.094
3461_3461	3461	3461	2206.113	-213.13	-11.967	0.037	112.21	-2554.11
3461_3462	3461	3462	-2206.91	216.108	11.967	-0.037	-70.467	1805.494
3462_3462	3462	3462	2211.468	-163.095	-9.986	0	70.932	-1805.48
3462_3463	3462	3463	-2214.18	172.355	9.986	0	38.12	-26.145
3463_3463	3463	3463	2243.892	-111.715	2.753	-0.141	-37.689	25.98
3463_3464	3463	3464	-2245.87	117.768	-2.753	0.141	17.848	-852.995
3464_3464	3464	3464	2248.001	-65.539	2.978	0.188	-17.877	852.995
3464_3465	3464	3465	-2250.12	71.548	-2.978	-0.188	-3.599	-1347.31
3465_3465	3465	3465	2284.787	-5.279	0.025	-0.117	0.707	1347.366
3465_3466	3465	3466	-2289.44	17.129	-0.025	0.117	-1.071	-1508.82
3466_3466	3466	3466	2331.904	44.316	1.887	-0.111	-1.256	1508.703
3466_3467	3466	3467	-2335.02	-37.14	-1.887	0.111	-15.455	-1148.05
3467_3467	3467	3467	2333.765	85.15	1.524	-0.253	15.53	1148.051
3467_3468	3467	3468	-2335.93	-80.43	-1.524	0.253	-24.003	-687.906
3468_3468	3468	3468	2354.773	-448.412	1.507	3.5	22.319	687.901

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3468_3469	3468	3469	-2355.39	451.169	-1.507	-3.5	-26.874	-2047.77
3469_3469	3469	3469	2357.563	448.65	1.187	-3.578	13.33	2056.185
3469_3470	3469	3470	-2356.95	-445.893	-1.187	3.578	-16.92	-703.997
3470_3470	3470	3470	2340.102	-83.286	-1.557	0.256	18.399	704.004
3470_3471	3470	3471	-2337.93	88.006	1.557	-0.256	-9.748	-1180.02
3471_3471	3471	3471	2339.249	-39.91	-1.193	-0.126	9.83	1180.022
3471_3472	3471	3472	-2336.13	47.086	1.193	0.126	0.733	-1565.2
3472_3472	3472	3472	2298.063	16.049	0.08	-0.037	0.913	1565.136
3472_3473	3472	3473	-2293.41	-4.19	-0.08	0.037	-2.065	-1419.22
3473_3473	3473	3473	2263.998	72.076	-0.094	-0.194	2.635	1419.219
3473_3474	3473	3474	-2261.88	-66.066	0.094	0.194	-1.96	-921.083
3474_3474	3474	3474	2259.731	118.617	-0.343	-0.136	1.921	921.083
3474_3475	3474	3475	-2257.75	-112.564	0.343	0.136	0.551	-87.931
3475_3475	3475	3475	2233.562	175.951	1.061	-1.155	-0.149	87.938
3475_3476	3475	3476	-2230.85	-166.69	-1.061	1.155	-11.441	1783.155
3476_3476	3476	3476	2226.197	220.186	6.372	2.94	10.243	-1783.16
3476_3477	3476	3477	-2225.4	-217.207	-6.372	-2.94	-32.473	2546.11
3477_3477	3477	3477	2229.332	221.67	-2.57	-0.085	35.467	-2546.04
3477_3148	3477	3148	-2228.41	-218.17	2.57	0.085	-24.941	3446.644
3480_3168	3480	3168	2144.953	-240.272	32.303	0.673	-95.861	-4522.83
3480_3481	3480	3481	-2145.87	243.772	-32.303	-0.673	-36.431	3531.676
3481_3481	3481	3481	2143.685	-239.11	-4.304	-2.213	29.627	-3531.61
3481_3482	3481	3482	-2144.48	242.088	4.304	2.213	-14.613	2692.287
3482_3482	3482	3482	2149.673	-190.584	-1.522	1.014	15.604	-2692.28
3482_3483	3482	3483	-2152.39	199.845	1.522	-1.014	1.021	560.206
3483_3483	3483	3483	2191.025	-139.317	0.342	0.198	-4.299	-560.222
3483_3484	3483	3484	-2193	145.37	-0.342	-0.198	1.831	-465.762
3484_3484	3484	3484	2195.833	-93.349	0.632	0.179	-1.848	465.761
3484_3485	3484	3485	-2197.95	99.349	-0.632	-0.179	-2.702	-1159.72
3485_3485	3485	3485	2243.54	-35.687	0.91	0.023	-1.152	1159.604
3485_3486	3485	3486	-2248.2	47.546	-0.91	-0.023	-11.976	-1759.68
3486_3486	3486	3486	2304.748	12.586	-2.83	-0.315	7.304	1759.566
3486_3487	3486	3487	-2307.87	-5.411	2.83	0.315	17.754	-1679.88
3487_3487	3487	3487	2307.267	52.868	-3.186	0.307	-17.638	1679.884
3487_3488	3487	3488	-2309.44	-48.148	3.186	-0.307	35.347	-1399.16
3488_3488	3488	3488	2338.021	-478.687	5.379	-5.605	-41.843	1399.163
3488_3489	3488	3489	-2338.64	481.444	-5.379	5.605	25.58	-2850.57
3489_3489	3489	3489	2340.394	482.278	0.136	5.847	0.641	2855.421
3489_3490	3489	3490	-2339.78	-479.521	-0.136	-5.847	-1.052	-1401.5
3490_3490	3490	3490	2309.591	-47.667	0.101	0.242	3.087	1401.372
3490_3491	3490	3491	-2307.42	52.387	-0.101	-0.242	-3.646	-1679.42
3491_3491	3491	3491	2308.013	-4.927	0.457	-0.092	3.762	1679.422
3491_3492	3491	3492	-2304.89	12.102	-0.457	0.092	-7.809	-1754.82
3492_3492	3492	3492	2247.062	48.419	-0.996	-0.098	12.326	1754.791
3492_3493	3492	3493	-2242.41	-36.56	0.996	0.098	2.037	-1142.12
3493_3493	3493	3493	2195.483	101.318	-0.583	-0.285	2.184	1142.187
3493_3494	3493	3494	-2193.36	-95.309	0.583	0.285	2.022	-433.153
3494_3494	3494	3494	2190.618	145.314	-0.776	-0.2	-2.041	433.153
3494_3495	3494	3495	-2188.64	-139.27	0.776	0.2	7.626	591.106
3495_3495	3495	3495	2149.294	200.743	1.495	0.727	-4.789	-591.118
3495_3496	3495	3496	-2146.58	-191.481	-1.495	-0.727	-11.542	2733.001
3496_3496	3496	3496	2141.371	242.91	-1.282	-3.205	12.532	-2733
3496_3497	3496	3497	-2140.58	-239.932	1.282	3.205	-8.06	3575.184

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3497_3497	3497	3497	2143.226	244.387	-24.234	-0.582	11.162	-3575.18
3497_3184	3497	3184	-2142.31	-240.887	24.234	0.582	88.081	4568.814
3500_3204	3500	3204	2396.569	-242.177	-16.689	0.537	-14.728	-3958.49
3500_3501	3500	3501	-2397.66	246.316	16.689	-0.537	83.073	2958.264
3501_3501	3501	3501	2395.303	-240.939	8.186	1.937	-77.289	-2958.44
3501_3502	3501	3502	-2396.24	244.461	-8.186	-1.937	48.732	2111.748
3502_3502	3502	3502	2401.429	-186.887	4.622	-0.101	-49.611	-2111.73
3502_3503	3502	3503	-2404.64	197.84	-4.622	0.101	-0.871	10.787
3503_3503	3503	3503	2399.563	-128.334	0.913	-0.144	1.477	-10.791
3503_3504	3503	3504	-2401.9	135.493	-0.913	0.144	-8.061	-940.011
3504_3504	3504	3504	2404.404	-79.616	-2.117	0.867	8.478	940.007
3504_3505	3504	3505	-2406.91	86.723	2.117	-0.867	6.786	-1539.81
3505_3505	3505	3505	2403.657	-7.63	0.384	0.232	-7.049	1539.845
3505_3506	3505	3506	-2409.16	21.645	-0.384	-0.232	1.515	-1750.77
3506_3506	3506	3506	2406.003	58.44	1.621	0.173	-1.038	1750.755
3506_3507	3506	3507	-2409.69	-49.954	-1.621	-0.173	-13.315	-1270.84
3507_3507	3507	3507	2408.155	99.496	1.246	0.094	13.405	1270.836
3507_3508	3507	3508	-2410.7	-93.96	-1.246	-0.094	-20.329	-733.222
3508_3508	3508	3508	2379.25	-417.019	-0.04	1.954	21.198	733.2
3508_3509	3508	3509	-2379.97	420.253	0.04	-1.954	-21.076	-1998.88
3509_3509	3509	3509	2379.752	419.407	-5.608	-2.084	21.105	1998.565
3509_3510	3509	3510	-2379.03	-416.174	5.608	2.084	-4.15	-735.504
3510_3510	3510	3510	2408.315	-94.648	-0.289	0.117	4.919	735.553
3510_3511	3510	3511	-2405.77	100.184	0.289	-0.117	-3.314	-1276.99
3511_3511	3511	3511	2407.324	-50.691	0.086	-0.148	3.402	1276.99
3511_3512	3511	3512	-2403.64	59.177	-0.086	0.148	-4.164	-1763.43
3512_3512	3512	3512	2404.986	21.599	-0.088	-0.159	4.404	1763.443
3512_3513	3512	3513	-2399.48	-7.573	0.088	0.159	-3.132	-1553.12
3513_3513	3513	3513	2400.147	86.058	0.486	-0.153	2.874	1553.129
3513_3514	3513	3514	-2397.64	-78.951	-0.486	0.153	-6.378	-958.112
3514_3514	3514	3514	2395.156	134.654	0.222	-0.193	6.338	958.112
3514_3515	3514	3515	-2392.82	-127.494	-0.222	0.193	-7.938	-13.359
3515_3515	3515	3515	2397.127	197.011	-10.708	-0.415	7.89	13.365
3515_3516	3515	3516	-2393.92	-186.058	10.708	0.415	109.06	2078.493
3516_3516	3516	3516	2388.763	243.431	-11.674	1.338	-108.808	-2078.51
3516_3517	3516	3517	-2387.82	-239.909	11.674	-1.338	149.533	2921.565
3517_3517	3517	3517	2389.238	243.572	-0.535	-1.821	-151.575	-2921.56
3517_3220	3517	3220	-2388.15	-239.444	0.535	1.821	153.761	3908.178
3520_3241	3520	3241	2379.937	-317.8	-16.741	41.897	-551.869	-7114.48
3520_3521	3520	3521	-2381.25	322.766	16.741	-41.897	620.364	5804.04
3521_3521	3521	3521	2365.497	-321.104	47.727	2.876	-611.684	-5811.33
3521_3522	3521	3522	-2366.63	325.329	-47.727	-2.876	445.394	4685.178
3522_3522	3522	3522	2373.782	-269.145	41.983	1.7	-448.636	-4684.87
3522_3523	3522	3523	-2377.64	282.301	-41.983	-1.7	-9.847	1673.813
3523_3523	3523	3523	2381.715	-206.218	2.376	1.014	5.377	-1673.34
3523_3524	3523	3524	-2384.53	214.822	-2.376	-1.014	-22.508	155.306
3524_3524	3524	3524	2388.931	-158.427	-5.332	-0.031	22.344	-155.333
3524_3525	3524	3525	-2391.94	166.957	5.332	0.031	16.083	-1017.18
3525_3525	3525	3525	2392.24	-85.753	-0.665	-0.406	-18.496	1016.384
3525_3526	3525	3526	-2398.86	102.601	0.665	0.406	28.087	-2374.39
3526_3526	3526	3526	2399.083	-20.962	1.489	-3.308	-27.854	2371.77
3526_3527	3526	3527	-2403.51	31.157	-1.489	3.308	14.67	-2602.54
3527_3527	3527	3527	2403.633	19.457	-4.413	3.368	-11.808	2602.554

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3527_3528	3527	3528	-2406.66	-12.868	4.413	-3.368	36.308	-2512.82
3528_3528	3528	3528	2356.825	-498.934	6.809	-6.977	-38.273	2512.659
3528_3529	3528	3529	-2357.69	502.798	-6.809	6.977	17.634	-4030.75
3529_3529	3529	3529	2355.723	491.499	-1.585	4.674	-17.126	4029.49
3529_3530	3529	3530	-2354.86	-487.647	1.585	-4.674	21.916	-2550.03
3530_3530	3530	3530	2402.146	-20.65	10.037	-4.858	-20.995	2549.32
3530_3531	3530	3531	-2399.12	27.24	-10.037	4.858	-34.741	-2682.29
3531_3531	3531	3531	2399.171	23.631	4.131	1.038	31.749	2682.326
3531_3532	3531	3532	-2394.74	-13.431	-4.131	-1.038	-68.351	-2518.15
3532_3532	3532	3532	2396.816	90.395	-0.618	-0.971	64.485	2516.715
3532_3533	3532	3533	-2390.2	-73.553	0.618	0.971	-55.576	-1335.08
3533_3533	3533	3533	2391.815	148.355	-0.632	0.147	53.889	1334.935
3533_3534	3533	3534	-2388.8	-139.825	0.632	-0.147	-49.336	-296.476
3534_3534	3534	3534	2384.814	196.439	-2.161	-0.828	49.262	296.487
3534_3535	3534	3535	-2382	-187.832	2.161	0.828	-33.676	1089.376
3535_3535	3535	3535	2391.398	252.554	-16.369	3.56	36.411	-1087.69
3535_3536	3535	3536	-2387.55	-239.407	16.369	-3.56	142.241	3772.284
3536_3536	3536	3536	2380.864	297.977	-25.529	-7.963	-138.108	-3772.43
3536_3537	3536	3537	-2379.73	-293.74	25.529	7.963	227.284	4805.904
3537_3537	3537	3537	2353.15	454.461	-17.137	-41.402	-233.198	-4815.51
3537_3255	3537	3255	-2351.84	-447.702	17.137	41.402	327.18	7289.259
3540_3279	3540	3279	3502.665	-476.849	20.937	103.093	-317.187	-4754.24
3540_3541	3540	3541	-3504.07	483.42	-20.937	-103.093	213.029	2365.644
3541_3541	3541	3541	3518.859	-314.833	24.42	0.502	-203.412	-2412.28
3541_3542	3541	3542	-3520.08	319.379	-24.42	-0.502	118.346	1307.634
3542_3542	3542	3542	3526.652	-236.402	19.096	1.275	-118.891	-1307.58
3542_3543	3542	3543	-3530.8	250.564	-19.096	-1.275	-89.717	-1352.22
3543_3543	3543	3543	3558.306	-143.32	-5.131	-2.052	84.539	1349.476
3543_3544	3543	3544	-3561.33	152.57	5.131	2.052	-47.575	-2415.32
3544_3544	3544	3544	3563.906	-69.839	-9.253	-0.343	48.508	2415.304
3544_3545	3544	3545	-3567.15	79.023	9.253	0.343	18.202	-2951.89
3545_3545	3545	3545	3552.994	34.361	-2.24	-1.575	-16.992	2946.619
3545_3546	3545	3546	-3560.11	-16.23	2.24	1.575	49.29	-2581.87
3546_3546	3546	3546	3540.728	130.929	12.977	-1.775	-47.431	2578.029
3546_3547	3546	3547	-3545.5	-119.95	-12.977	1.775	-67.552	-1466.59
3547_3547	3547	3547	3542.11	196.331	4.343	0.256	69.103	1466.52
3547_3548	3547	3548	-3545.36	-189.264	-4.343	-0.256	-93.202	-396.643
3548_3548	3548	3548	3514.08	-563.988	-22.641	0.24	98.343	389.154
3548_3549	3548	3549	-3515.01	568.134	22.641	-0.24	-29.726	-2104.67
3549_3549	3549	3549	3533.621	581.619	-21.903	-3.539	30.578	2107.803
3549_3550	3549	3550	-3532.67	-577.558	21.903	3.539	34.599	-383.072
3550_3550	3550	3550	3553.366	-194.715	17.186	-3.192	-31.361	385.546
3550_3551	3550	3551	-3549.93	201.87	-17.186	3.192	-65.933	-1508.12
3551_3551	3551	3551	3553.64	-121.118	5.311	0.273	63.598	1508.224
3551_3552	3551	3552	-3548.95	131.48	-5.311	-0.273	-108.315	-2571.54
3552_3552	3552	3552	3552.046	5.768	-1.255	-2.042	107.001	2570.192
3552_3553	3552	3553	-3544.91	11.872	1.255	2.042	-89.325	-2613.18
3553_3553	3553	3553	3546.411	116.432	-5.526	-3.381	86.87	2611.383
3553_3554	3553	3554	-3543.18	-107.49	5.526	3.381	-47.985	-1823.47
3554_3554	3554	3554	3539.2	198.945	-14.466	0.076	46.323	1823.52
3554_3555	3554	3555	-3536.2	-189.916	14.466	-0.076	55.558	-454.192
3555_3555	3555	3555	3538.728	313.198	-17.901	-1.211	-56.869	452.65
3555_3556	3555	3556	-3534.69	-299.388	17.901	1.211	247.553	2809.928

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
3556_3556	3556	3556	3525.057	397.097	-16.358	6.908	-247.825	-2809.9
3556_3557	3556	3557	-3523.88	-392.622	16.358	-6.908	303.847	4162.197
3557_3557	3557	3557	3491.305	541.552	3.829	-3.835	-304.963	-4164.03
3557_3293	3557	3293	-3489.44	-533.008	-3.829	3.835	280.174	7642.137
4000_4000	4000	4000	7.115	14.996	0.08	0.013	0	-8.868
4000_4001	4000	4001	-21.397	7.334	-0.08	-0.013	-1.105	76.57
4001_4001	4001	4001	21.396	-7.334	0.08	-0.018	1.105	-76.57
4001_4002	4001	4002	-31.883	23.73	-0.08	0.018	-1.916	-70.153
4002_4002	4002	4002	31.893	21.74	-0.097	0.029	1.916	70.089
4002_4003	4002	4003	-28.608	-2.099	0.097	-0.029	-0.741	71.438
4003_4003	4003	4003	28.607	2.099	-0.097	-0.029	0.741	-71.439
4003_4004	4003	4004	-25.323	17.541	0.097	0.029	0.435	-25.716
4004_4004	4004	4004	25.337	19.865	0.028	-0.002	-0.435	25.511
4004_4005	4004	4005	-25.557	-0.22	-0.028	0.002	0.09	96.863
4005_4005	4005	4005	25.557	0.22	0.028	-0.002	-0.09	-96.863
4005_4006	4005	4006	-25.777	19.425	-0.028	0.002	-0.255	-19.558
4006_4006	4006	4006	25.789	19.9	-0.007	0.043	0.255	19.46
4006_4007	4006	4007	-25.489	-0.271	0.007	-0.043	-0.164	102.734
4007_4007	4007	4007	25.489	0.271	-0.007	-0.05	0.164	-102.734
4007_4008	4007	4008	-25.189	19.372	0.007	0.05	-0.073	-13.646
4008_4008	4008	4008	25.188	19.502	0.004	-0.008	0.073	13.689
4008_4009	4008	4009	-24.963	0.148	-0.004	0.008	-0.118	103.713
4009_4009	4009	4009	24.963	-0.148	0.004	0.002	0.118	-103.713
4009_4010	4009	4010	-24.738	19.781	-0.004	-0.002	-0.163	-17.584
4010_4010	4010	4010	24.718	19.23	0.002	-0.008	0.163	17.833
4010_4011	4010	4011	-25.218	0.42	-0.002	0.008	-0.188	97.028
4011_4011	4011	4011	25.218	-0.42	0.002	0.002	0.188	-97.028
4011_4012	4011	4012	-25.717	20.053	-0.002	-0.002	-0.212	-26.808
4012_4012	4012	4012	25.724	18.762	-0.01	-0.037	0.212	26.811
4012_4013	4012	4013	-22.97	0.89	0.01	0.037	-0.09	78.775
4013_4013	4013	4013	22.97	-0.89	-0.01	0.032	0.09	-78.775
4013_4014	4013	4014	-20.219	20.528	0.01	-0.032	0.033	-54.419
4014_4014	4014	4014	20.224	18.714	0.028	0.002	-0.033	54.352
4014_4015	4014	4015	-38.242	7.628	-0.028	-0.002	-0.419	55.465
4015_4015	4015	4015	38.179	-7.63	0.028	-0.014	0.419	-55.37
4015_4016	4015	4016	-47.3	20.971	-0.028	0.014	-0.647	-52.827
4016_4016	4016	4016	17.142	19.751	-0.02	-0.01	0.701	102.349
4016_4017	4016	4017	-21.075	-1.033	0.02	0.01	-0.464	24.022
4017_4017	4017	4017	21.075	1.033	-0.02	0	0.464	-24.022
4017_4018	4017	4018	-25.51	20.073	0.02	0	-0.194	-97.33
4018_4018	4018	4018	25.508	19.589	0.049	0.002	0.194	97.295
4018_4019	4018	4019	-23.68	0.316	-0.049	-0.002	-0.809	21.482
4019_4019	4019	4019	23.681	-0.316	0.05	-0.015	0.809	-21.482
4019_4020	4019	4020	-21.853	20.22	-0.05	0.015	-1.428	-108.462
4020_4020	4020	4020	21.794	20.896	-0.023	-0.008	1.428	108.42
4020_4021	4020	4021	-22.418	-5.76	0.023	0.008	-1.212	18.77
4021_4021	4021	4021	22.399	5.759	-0.023	0.002	1.213	-18.749
4021_4022	4021	4022	-22.909	6.591	0.023	-0.002	-1.034	15.966
4022_4022	4022	4022	22.909	-6.591	-0.023	-0.016	1.034	-15.966
4022_4023	4022	4023	-23.417	18.924	0.023	0.016	-0.86	-82.368
4023_4023	4023	4023	23.416	19.46	-0.104	-0.009	0.86	82.432
4023_4024	4023	4024	-23.36	-6.711	0.104	0.009	-0.026	22.241
4024_4024	4024	4024	23.36	6.711	-0.104	-0.009	0.026	-22.241

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4024_4025	4024	4025	-23.305	6.039	0.104	0.009	0.808	24.863
4025_4025	4025	4025	23.305	-6.039	-0.104	-0.006	-0.808	-24.863
4025_4026	4025	4026	-23.249	18.773	0.104	0.006	1.641	-74.379
4026_4026	4026	4026	23.25	18.965	-0.014	-0.037	-1.641	74.381
4026_4027	4026	4027	-23.315	-9.407	0.014	0.037	1.727	10.776
4027_4027	4027	4027	23.315	9.407	-0.014	-0.037	-1.727	-10.776
4027_4028	4027	4028	-23.381	0.15	0.014	0.037	1.813	38.589
4028_4028	4028	4028	23.38	-0.15	-0.015	0.027	-1.813	-38.589
4028_4029	4028	4029	-23.446	9.709	0.015	-0.027	1.903	9.047
4029_4029	4029	4029	23.446	-9.709	-0.014	0.012	-1.903	-9.047
4029_4030	4029	4030	-23.511	19.266	0.014	-0.012	1.989	-77.84
4030_4030	4030	4030	23.512	18.347	0.06	-0.008	-1.989	77.788
4030_4031	4030	4031	-23.776	-5.604	-0.06	0.008	1.512	18.212
4031_4031	4031	4031	23.776	5.604	0.06	-0.008	-1.512	-18.212
4031_4032	4031	4032	-24.04	7.14	-0.06	0.008	1.035	12.266
4032_4032	4032	4032	24.04	-7.14	0.06	-0.008	-1.035	-12.266
4032_4033	4032	4033	-24.304	19.883	-0.06	0.008	0.557	-95.625
4033_4033	4033	4033	24.307	18.897	0.045	-0.005	-0.557	95.63
4033_4034	4033	4034	-23.839	-6.559	-0.045	0.005	0.211	2.544
4034_4034	4034	4034	23.839	6.559	0.045	-0.005	-0.211	-2.544
4034_4035	4034	4035	-23.371	5.794	-0.045	0.005	-0.137	5.102
4035_4035	4035	4035	23.371	-5.794	0.045	-0.007	0.137	-5.102
4035_4036	4035	4036	-22.798	20.899	-0.045	0.007	-0.565	-121.962
4036_4036	4036	4036	22.767	20.788	-0.015	-0.008	0.565	121.956
4036_4037	4036	4037	-24.27	-0.85	0.015	0.008	-0.373	14.864
4037_4037	4037	4037	24.27	0.85	-0.015	-0.005	0.373	-14.864
4037_4038	4037	4038	-25.771	19.056	0.015	0.005	-0.18	-97.489
4038_4038	4038	4038	25.773	14.336	-0.161	-0.006	0.18	97.6
4038_4039	4038	4039	-17.429	6.776	0.161	0.006	1.96	-56.6
4039_4039	4039	4039	58.465	-4.007	-0.002	-0.005	-0.175	-8.816
4039_4040	4039	4040	-106.779	22.367	0.002	0.005	0.195	-93.874
4040_4040	4040	4040	106.781	19.07	0.025	-0.018	-0.195	93.965
4040_4041	4040	4041	-109.383	-6.171	-0.025	0.018	-0.01	13.505
4041_4041	4041	4041	109.383	6.171	0.025	0.002	0.01	-13.504
4041_4042	4041	4042	-114.386	18.623	-0.025	-0.002	-0.404	-78.907
4042_4042	4042	4042	114.387	20.441	-0.014	-0.006	0.404	78.928
4042_4043	4042	4043	-105.389	-1.775	0.014	0.006	-0.241	43.872
4043_4043	4043	4043	105.389	1.775	-0.014	-0.001	0.241	-43.872
4043_4044	4043	4044	-96.398	16.876	0.014	0.001	-0.078	-56.095
4044_4044	4044	4044	96.384	19.524	0.003	0	0.078	56.224
4044_4045	4044	4045	-89.609	-0.858	-0.003	0	-0.11	58.18
4045_4045	4045	4045	89.609	0.858	0.003	0	0.11	-58.18
4045_4046	4045	4046	-82.833	17.808	-0.003	0	-0.143	-50.361
4046_4046	4046	4046	82.836	19.149	0.004	0.003	0.143	50.363
4046_4047	4046	4047	-76.068	-0.491	-0.004	-0.003	-0.188	59.549
4047_4047	4047	4047	76.068	0.491	0.004	0.003	0.188	-59.549
4047_4048	4047	4048	-69.301	18.168	-0.004	-0.003	-0.232	-53.296
4048_4048	4048	4048	69.29	18.661	-0.014	0.004	0.232	53.419
4048_4049	4048	4049	-61.422	0.013	0.014	-0.004	-0.063	49.319
4049_4049	4049	4049	61.422	-0.013	-0.014	0.008	0.063	-49.319
4049_4050	4049	4050	-53.559	18.672	0.014	-0.008	0.107	-70.879
4050_4050	4050	4050	53.583	18.159	0.023	0.011	-0.107	70.679
4050_4051	4050	4051	-49.818	6.605	-0.023	-0.011	-0.251	17.34

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4051_4051	4051	4051	49.764	-6.605	0.023	-0.002	0.25	-17.26
4051_4052	4051	4052	-47.804	19.504	-0.023	0.002	-0.437	-92.316
4052_4052	4052	4052	47.806	19.62	-0.034	0.007	0.437	92.401
4052_4053	4052	4053	-26.455	-1.251	0.034	-0.007	-0.04	4.979
4053_4053	4053	4053	25.988	2.254	-0.033	0.006	0.127	-5.036
4053_4054	4053	4054	-28.552	17.812	0.033	-0.006	0.316	-95.374
4054_4054	4054	4054	28.545	18.503	0.061	0.006	-0.316	95.242
4054_4055	4054	4055	-28.742	0.432	-0.061	-0.006	-0.452	18.323
4055_4055	4055	4055	28.742	-0.432	0.061	0.006	0.452	-18.323
4055_4056	4055	4056	-28.939	19.366	-0.061	-0.006	-1.221	-104.816
4056_4056	4056	4056	28.958	19.905	-0.051	0.002	1.221	104.827
4056_4057	4056	4057	-29.086	-5.526	0.051	-0.002	-0.736	15.844
4057_4057	4057	4057	29.068	5.526	-0.051	0.008	0.735	-15.824
4057_4058	4057	4058	-29.172	6.212	0.051	-0.008	-0.339	13.126
4058_4058	4058	4058	29.172	-6.212	-0.051	0.008	0.339	-13.126
4058_4059	4058	4059	-29.277	17.95	0.051	-0.008	0.056	-80.536
4059_4059	4059	4059	29.277	18.873	-0.087	-0.001	-0.056	80.53
4059_4060	4059	4060	-28	-6.746	0.087	0.001	0.749	20.659
4060_4060	4060	4060	28	6.746	-0.087	0.022	-0.749	-20.659
4060_4061	4060	4061	-26.725	5.368	0.087	-0.022	1.442	24.794
4061_4061	4061	4061	26.725	-5.368	-0.087	-0.004	-1.442	-24.794
4061_4062	4061	4062	-25.45	17.481	0.087	0.004	2.134	-67.94
4062_4062	4062	4062	25.449	18.323	0.004	0.022	-2.134	67.988
4062_4063	4062	4063	-24.824	-9.231	-0.004	-0.022	2.109	14.01
4063_4063	4063	4063	24.825	9.231	0.004	0.038	-2.109	-14.01
4063_4064	4063	4064	-24.2	-0.138	-0.004	-0.038	2.083	41.431
4064_4064	4064	4064	24.2	0.138	0.004	-0.019	-2.083	-41.431
4064_4065	4064	4065	-23.576	8.939	-0.004	0.019	2.058	14.36
4065_4065	4065	4065	23.576	-8.939	0.004	-0.02	-2.058	-14.36
4065_4066	4065	4066	-22.951	18.031	-0.004	0.02	2.033	-67.287
4066_4066	4066	4066	22.952	17.999	0.102	0.012	-2.033	67.297
4066_4067	4066	4067	-21.7	-5.874	-0.102	-0.012	1.219	26.808
4067_4067	4067	4067	21.7	5.874	0.102	0.013	-1.219	-26.808
4067_4068	4067	4068	-20.45	6.236	-0.102	-0.013	0.407	23.917
4068_4068	4068	4068	20.45	-6.236	0.102	-0.01	-0.407	-23.917
4068_4069	4068	4069	-19.198	18.36	-0.102	0.01	-0.406	-75.966
4069_4069	4069	4069	19.195	17.714	0.031	0.004	0.406	75.914
4069_4070	4069	4070	-19.374	-5.984	-0.031	-0.004	-0.649	16.202
4070_4070	4070	4070	19.374	5.984	0.031	0.004	0.649	-16.202
4070_4071	4070	4071	-19.553	5.761	-0.031	-0.004	-0.893	17.421
4071_4071	4071	4071	19.531	-5.761	0.031	0.009	0.897	-17.403
4071_4072	4071	4072	-19.75	20.147	-0.031	-0.009	-1.196	-105.197
4072_4072	4072	4072	19.745	20.152	-0.002	-0.004	1.196	105.206
4072_4073	4072	4073	-19.311	-1.22	0.002	0.004	-1.169	27.493
4073_4073	4073	4073	19.312	1.22	-0.002	0.013	1.169	-27.493
4073_4074	4073	4074	-18.878	17.713	0.002	-0.013	-1.142	-76.448
4074_4074	4074	4074	18.881	14.424	-0.269	-0.015	1.142	76.498
4074_4075	4074	4075	0.718	5.646	0.269	0.015	2.422	-39.736
4075_4075	4075	4075	44.837	-2.999	-0.01	0.025	0.112	-33.335
4075_4076	4075	4076	-87.826	20.404	0.01	-0.025	0	-54.703
4076_4076	4076	4076	87.832	17.729	0.022	0.01	0	54.857
4076_4077	4076	4077	-85.588	-5.506	-0.022	-0.01	-0.184	38.547
4077_4077	4077	4077	85.512	5.506	0.022	-0.003	0.186	-38.419

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4077_4078	4077	4078	-81.595	15.84	-0.022	0.003	-0.508	-40.299
4078_4078	4078	4078	81.61	17.693	-0.02	0.001	0.508	40.175
4078_4079	4078	4079	-78.198	-1.064	0.02	-0.001	-0.281	61.046
4079_4079	4079	4079	78.198	1.064	-0.02	0.001	0.281	-61.046
4079_4080	4079	4080	-74.786	15.565	0.02	-0.001	-0.054	-24.382
4080_4080	4080	4080	74.814	16.736	0.004	0.001	0.054	24.166
4080_4081	4080	4081	-72.186	-0.11	-0.004	-0.001	-0.102	67.265
4081_4081	4081	4081	72.186	0.11	0.004	0.001	0.102	-67.265
4081_4082	4081	4082	-69.557	16.515	-0.004	-0.001	-0.149	-27.872
4082_4082	4082	4082	69.552	18.048	-0.001	-0.034	0.149	27.939
4082_4083	4082	4083	-66.552	-0.178	0.001	0.034	-0.134	78.397
4083_4083	4083	4083	66.552	0.178	-0.001	0.038	0.134	-78.397
4083_4084	4083	4084	-63.553	17.693	0.001	-0.038	-0.119	-30.836
4084_4084	4084	4084	63.557	16.733	-0.003	0.033	0.119	30.838
4084_4085	4084	4085	-61.016	-0.111	0.003	-0.033	-0.091	60.598
4085_4085	4085	4085	61.016	0.111	-0.002	-0.028	0.091	-60.598
4085_4086	4085	4086	-58.473	16.525	0.002	0.028	-0.063	-34.622
4086_4086	4086	4086	58.494	16.204	0.007	0.027	0.063	34.455
4086_4087	4086	4087	-55.042	0.418	-0.007	-0.027	-0.145	49.896
4087_4087	4087	4087	55.042	-0.418	0.007	-0.021	0.145	-49.896
4087_4088	4087	4088	-51.591	17.039	-0.007	0.021	-0.227	-52.24
4088_4088	4088	4088	51.571	14.959	-0.015	-0.005	0.227	52.433
4088_4089	4088	4089	-53.733	5.573	0.015	0.005	-0.022	15.156
4089_4089	4089	4089	53.681	-5.573	-0.015	0.009	0.022	-15.082
4089_4090	4089	4090	-54.966	17.789	0.015	-0.009	0.099	-79.725
4090_4090	4090	4090	54.962	17.925	-0.003	0.001	-0.099	79.912
4090_4091	4090	4091	-36.176	-0.506	0.003	-0.001	0.134	5.495
4091_4091	4091	4091	36.09	1.388	0.015	0	-0.231	-5.755
4091_4092	4091	4092	-40.475	17.946	-0.015	0	0.03	-99.34
4092_4092	4092	4092	40.469	18.094	0.008	-0.001	-0.03	99.205
4092_4093	4092	4093	-39.728	0.142	-0.008	0.001	-0.075	12.615
4093_4093	4093	4093	39.728	-0.142	0.008	-0.001	0.075	-12.615
4093_4094	4093	4094	-38.987	18.378	-0.008	0.001	-0.18	-103.444
4094_4094	4094	4094	38.935	19.109	-0.024	-0.002	0.18	103.414
4094_4095	4094	4095	-39.238	-5.239	0.024	0.002	0.044	12.464
4095_4095	4095	4095	39.171	5.239	-0.024	0.005	-0.046	-12.38
4095_4096	4095	4096	-39.419	6.076	0.024	-0.005	0.23	9.271
4096_4096	4096	4096	39.419	-6.076	-0.024	-0.005	-0.23	-9.271
4096_4097	4096	4097	-39.666	17.376	0.024	0.005	0.412	-81.398
4097_4097	4097	4097	39.667	18.034	0.016	-0.001	-0.412	81.401
4097_4098	4097	4098	-38.943	-6.355	-0.016	0.001	0.283	15.349
4098_4098	4098	4098	38.943	6.355	0.016	0	-0.283	-15.349
4098_4099	4098	4099	-38.219	5.31	-0.016	0	0.154	18.682
4099_4099	4099	4099	38.219	-5.31	0.016	-0.001	-0.154	-18.682
4099_4100	4099	4100	-37.494	16.989	-0.016	0.001	0.025	-71.392
4100_4100	4100	4100	37.493	17.541	-0.005	0.005	-0.025	71.384
4100_4101	4100	4101	-37.172	-8.781	0.005	-0.005	0.056	7.22
4101_4101	4101	4101	37.172	8.781	-0.005	-0.003	-0.056	-7.22
4101_4102	4101	4102	-36.851	-0.022	0.005	0.003	0.086	33.242
4102_4102	4102	4102	36.851	0.022	-0.005	-0.002	-0.086	-33.242
4102_4103	4102	4103	-36.531	8.722	0.005	0.002	0.116	6.777
4103_4103	4103	4103	36.531	-8.722	-0.005	-0.002	-0.116	-6.777
4103_4104	4103	4104	-36.21	17.482	0.005	0.002	0.146	-72.265

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4104_4104	4104	4104	36.21	17.186	-0.011	0.011	-0.146	72.268
4104_4105	4104	4105	-35.642	-5.507	0.011	-0.011	0.236	17.79
4105_4105	4105	4105	35.642	5.507	-0.011	-0.006	-0.236	-17.79
4105_4106	4105	4106	-35.076	6.157	0.011	0.006	0.326	14.435
4106_4106	4106	4106	35.075	-6.157	-0.011	-0.007	-0.326	-14.435
4106_4107	4106	4107	-34.508	17.836	0.011	0.007	0.416	-82.336
4107_4107	4107	4107	34.508	17.172	0.018	0.001	-0.416	82.354
4107_4108	4107	4108	-34.304	-5.857	-0.018	-0.001	0.277	6.852
4108_4108	4108	4108	34.304	5.857	0.018	-0.003	-0.277	-6.852
4108_4109	4108	4109	-34.101	5.442	-0.018	0.003	0.137	8.39
4109_4109	4109	4109	34.124	-5.442	0.018	0.002	-0.139	-8.416
4109_4110	4109	4110	-33.874	19.311	-0.018	-0.002	-0.031	-109.298
4110_4110	4110	4110	33.87	19.144	0.013	0.005	0.031	109.301
4110_4111	4110	4111	-34.557	-0.898	-0.013	-0.005	-0.198	16.242
4111_4111	4111	4111	34.556	0.898	0.013	-0.005	0.198	-16.242
4111_4112	4111	4112	-35.242	17.334	-0.013	0.005	-0.365	-86.189
4112_4112	4112	4112	35.243	13.655	-0.108	0.001	0.365	86.215
4112_4113	4112	4113	-19.791	5.686	0.108	-0.001	1.07	-50.816
4113_4113	4113	4113	61.118	-3.377	-0.005	-0.002	0.115	-15.986
4113_4114	4113	4114	-102.869	20.489	0.005	0.002	-0.053	-75.686
4114_4114	4114	4114	102.877	17.183	0.009	-0.051	0.053	75.538
4114_4115	4114	4115	-104.341	-5.184	-0.009	0.051	-0.127	18.618
4115_4115	4115	4115	104.342	5.184	0.009	0.028	0.127	-18.618
4115_4116	4115	4116	-106.896	15.743	-0.009	-0.028	-0.256	-53.792
4116_4116	4116	4116	106.894	17.958	-0.008	-0.001	0.256	53.815
4116_4117	4116	4117	-100.974	-1.619	0.008	0.001	-0.165	49.279
4117_4117	4117	4117	100.974	1.619	-0.008	-0.001	0.165	-49.279
4117_4118	4117	4118	-95.055	14.72	0.008	0.001	-0.075	-30.987
4118_4118	4118	4118	95.024	16.876	0	-0.034	0.075	31.209
4118_4119	4118	4119	-90.475	-0.538	0	0.034	-0.081	61.367
4119_4119	4119	4119	90.476	0.538	0	0.034	0.081	-61.367
4119_4120	4119	4120	-85.923	15.814	0	-0.034	-0.086	-29.548
4120_4120	4120	4120	85.953	18.078	-0.003	-0.036	0.086	29.315
4120_4121	4120	4121	-81.096	-0.532	0.003	0.036	-0.046	77.285
4121_4121	4121	4121	81.096	0.532	-0.003	0.038	0.046	-77.285
4121_4122	4121	4122	-76.235	17.029	0.003	-0.038	-0.006	-27.745
4122_4122	4122	4122	76.235	16.736	-0.002	-0.03	0.006	27.744
4122_4123	4122	4123	-71.976	-0.4	0.002	0.03	0.021	63.508
4123_4123	4123	4123	71.976	0.4	-0.002	0.034	-0.021	-63.508
4123_4124	4123	4124	-67.714	15.952	0.002	-0.034	0.049	-28.712
4124_4124	4124	4124	67.744	16.228	0.001	0.002	-0.049	28.498
4124_4125	4124	4125	-62.397	0.109	-0.001	-0.002	0.033	55.663
4125_4125	4125	4125	62.397	-0.109	0.001	0.002	-0.033	-55.663
4125_4126	4125	4126	-57.051	16.446	-0.001	-0.002	0.018	-43.483
4126_4126	4126	4126	57.083	14.624	-0.018	-0.007	-0.018	43.3
4126_4127	4126	4127	-57.42	5.381	0.018	0.007	0.268	20.973
4127_4127	4127	4127	57.42	-5.381	-0.018	0.015	-0.268	-20.973
4127_4128	4127	4128	-57.623	17.393	0.018	-0.015	0.419	-72.509
4128_4128	4128	4128	57.627	17.793	0.033	0.005	-0.419	72.358
4128_4129	4128	4129	-37.781	-0.685	-0.033	-0.005	0.034	11.53
4129_4129	4129	4129	37.658	1.572	0.063	-0.003	-0.346	-11.558
4129_4130	4129	4130	-42.479	17.726	-0.063	0.003	-0.483	-90.436
4130_4130	4130	4130	42.465	17.573	-0.114	0.006	0.483	90.324

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4130_4131	4130	4131	-42.299	0.633	0.114	-0.006	0.938	16.027
4131_4131	4131	4131	42.299	-0.633	-0.114	-0.005	-0.938	-16.027
4131_4132	4131	4132	-42.133	18.825	0.114	0.005	2.357	-105.008
4132_4132	4132	4132	43.425	18.946	0.191	0.006	-2.357	94.853
4132_4133	4132	4133	-42.741	-5.109	-0.191	-0.006	0.541	18.667
4133_4133	4133	4133	42.741	5.109	0.192	-0.003	-0.541	-18.667
4133_4134	4133	4134	-42.183	6.179	-0.192	0.003	-0.945	13.919
4134_4134	4134	4134	42.183	-6.179	0.192	-0.003	0.945	-13.919
4134_4135	4134	4135	-41.625	17.481	-0.192	0.003	-2.432	-78.485
4135_4135	4135	4135	41.671	18.204	-0.065	-0.001	2.432	78.617
4135_4136	4135	4136	-41.044	-6.551	0.065	0.001	-1.909	19.568
4136_4136	4136	4136	41.044	6.551	-0.065	-0.001	1.909	-19.568
4136_4137	4136	4137	-40.417	5.102	0.065	0.001	-1.386	24.522
4137_4137	4137	4137	40.417	-5.102	-0.065	-0.001	1.386	-24.522
4137_4138	4137	4138	-39.79	16.754	0.065	0.001	-0.862	-63.755
4138_4138	4138	4138	39.793	17.46	-0.02	-0.001	0.862	63.649
4138_4139	4138	4139	-39.45	-8.72	0.02	0.001	-0.74	14.425
4139_4139	4139	4139	39.45	8.72	-0.02	-0.001	0.74	-14.425
4139_4140	4139	4140	-39.107	0.019	0.02	0.001	-0.617	40.057
4140_4140	4140	4140	39.107	-0.019	-0.02	-0.001	0.617	-40.057
4140_4141	4140	4141	-38.763	8.759	0.02	0.001	-0.495	13.246
4141_4141	4141	4141	38.763	-8.759	-0.02	-0.001	0.495	-13.246
4141_4142	4141	4142	-38.42	17.499	0.02	0.001	-0.373	-66.006
4142_4142	4142	4142	38.429	17.041	-0.035	0.004	0.373	65.907
4142_4143	4142	4143	-37.691	-5.388	0.035	-0.004	-0.094	22.774
4143_4143	4143	4143	37.691	5.388	-0.035	0.004	0.094	-22.774
4143_4144	4143	4144	-36.953	6.265	0.035	-0.004	0.185	18.223
4144_4144	4144	4144	36.953	-6.265	-0.034	-0.012	-0.185	-18.223
4144_4145	4144	4145	-36.214	17.918	0.034	0.012	0.456	-79.557
4145_4145	4145	4145	36.205	17.044	-0.011	-0.001	-0.456	79.468
4145_4146	4145	4146	-36.521	-5.77	0.011	0.001	0.537	9.367
4146_4146	4146	4146	36.521	5.77	-0.009	-0.006	-0.537	-9.367
4146_4147	4146	4147	-36.837	5.519	0.009	0.006	0.61	10.878
4147_4147	4147	4147	36.917	-5.519	-0.01	-0.001	-0.614	-10.967
4147_4148	4147	4148	-37.306	19.356	0.01	0.001	0.711	-106.54
4148_4148	4148	4148	37.308	19.381	0.032	-0.003	-0.711	106.598
4148_4149	4148	4149	-37.306	-1.173	-0.032	0.003	0.31	21.356
4149_4149	4149	4149	37.306	1.173	0.032	-0.003	-0.31	-21.356
4149_4150	4149	4150	-37.304	17.034	-0.032	0.003	-0.091	-78.305
4150_4150	4150	4150	37.303	13.068	-0.056	-0.013	0.091	78.305
4150_4151	4150	4151	-17.588	6.232	0.056	0.013	0.651	-55.752
4151_4151	4151	4151	67.398	-3.49	-0.003	0.009	-0.108	-25.115
4151_4152	4151	4152	-113.718	21.342	0.003	-0.009	0.14	-68.063
4152_4152	4152	4152	113.719	17.239	0.002	-0.016	-0.14	68.063
4152_4153	4152	4153	-115.778	-4.705	-0.002	0.016	0.121	25.063
4153_4153	4153	4153	115.969	4.705	0.002	0.007	-0.121	-25.401
4153_4154	4153	4154	-119.405	16.17	-0.002	-0.007	0.095	-49.033
4154_4154	4154	4154	119.404	18.384	0.001	0.032	-0.095	49.033
4154_4155	4154	4155	-112.162	-1.672	-0.001	-0.032	0.082	53.241
4155_4155	4155	4155	112.162	1.672	0.002	-0.034	-0.082	-53.241
4155_4156	4155	4156	-104.92	15.04	-0.002	0.034	0.061	-28.336
4156_4156	4156	4156	104.919	16.292	0.002	0.035	-0.061	28.337
4156_4157	4156	4157	-100.513	-1.084	-0.002	-0.035	0.044	53.818

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4157_4157	4157	4157	100.513	1.084	0.002	-0.033	-0.044	-53.818
4157_4158	4157	4158	-96.107	14.125	-0.002	0.033	0.019	-16.276
4158_4158	4158	4158	96.132	15.049	0.002	0.035	-0.019	16.088
4158_4159	4158	4159	-91.401	0.16	-0.002	-0.035	0	53.247
4159_4159	4159	4159	91.401	-0.16	0.003	-0.029	0	-53.247
4159_4160	4159	4160	-86.671	15.368	-0.003	0.029	-0.027	-29.666
4160_4160	4160	4160	86.669	16.431	0.001	0.003	0.027	29.665
4160_4161	4160	4161	-80.545	0.281	-0.001	-0.003	-0.034	52.262
4161_4161	4161	4161	80.545	-0.281	0.001	0.004	0.034	-52.262
4161_4162	4161	4162	-74.426	16.978	-0.001	-0.004	-0.041	-49.488
4162_4162	4162	4162	74.403	15.467	0.004	-0.01	0.041	49.642
4162_4163	4162	4163	-73.765	5.423	-0.004	0.01	-0.102	19.574
4163_4163	4163	4163	73.912	-5.423	0.003	0.024	0.103	-19.779
4163_4164	4163	4164	-73.532	17.958	-0.003	-0.024	-0.131	-76.581
4164_4164	4164	4164	73.545	18.733	-0.005	0	0.131	76.455
4164_4165	4164	4165	-51.563	-0.881	0.005	0	-0.074	11.314
4165_4165	4165	4165	51.437	1.74	-0.004	0.003	0.109	-11.123
4165_4166	4165	4166	-55.395	18.912	0.004	-0.003	-0.059	-97.976
4166_4166	4166	4166	55.407	19.175	0.001	0.002	0.059	98.087
4166_4167	4166	4167	-55.265	0.322	-0.001	-0.002	-0.071	19.976
4167_4167	4167	4167	55.265	-0.322	0.001	0.002	0.071	-19.976
4167_4168	4167	4168	-55.124	19.82	-0.001	-0.002	-0.083	-105.704
4168_4168	4168	4168	55.165	20.433	-0.002	0.008	0.083	105.828
4168_4169	4168	4169	-55.733	-5.614	0.002	-0.008	-0.062	18.372
4169_4169	4169	4169	55.81	5.614	-0.001	-0.004	0.061	-18.465
4169_4170	4169	4170	-56.273	6.474	0.001	0.004	-0.05	15.513
4170_4170	4170	4170	56.273	-6.474	-0.001	-0.004	0.05	-15.513
4170_4171	4170	4171	-56.736	18.562	0.001	0.004	-0.038	-81.131
4171_4171	4171	4171	56.734	19.498	-0.001	0	0.038	81.133
4171_4172	4171	4172	-55.587	-7.019	0.001	0	-0.027	23.693
4172_4172	4172	4172	55.587	7.019	-0.001	0	0.027	-23.693
4172_4173	4172	4173	-54.44	5.459	0.001	0	-0.017	28.682
4173_4173	4173	4173	54.44	-5.459	-0.001	0	0.017	-28.682
4173_4174	4173	4174	-53.293	17.938	0.001	0	-0.006	-66.167
4174_4174	4174	4174	53.301	18.795	0	0	0.006	66.071
4174_4175	4174	4175	-52.813	-9.437	0	0	-0.005	18.074
4175_4175	4175	4175	52.813	9.437	0	0	0.005	-18.074
4175_4176	4175	4176	-52.324	-0.078	0	0	-0.005	46.062
4176_4176	4176	4176	52.324	0.078	0	0	0.005	-46.062
4176_4177	4176	4177	-51.836	9.281	0	0	-0.004	17.891
4177_4177	4177	4177	51.836	-9.281	0	0	0.004	-17.891
4177_4178	4177	4178	-51.348	18.64	0	0	-0.004	-66.438
4178_4178	4178	4178	51.357	18.287	-0.001	0.007	0.004	66.342
4178_4179	4178	4179	-50.525	-5.824	0.001	-0.007	0.003	28.978
4179_4179	4179	4179	50.525	5.824	-0.001	0.007	-0.003	-28.978
4179_4180	4179	4180	-49.693	6.655	0.001	-0.007	0.009	24.642
4180_4180	4180	4180	49.693	-6.655	0	-0.017	-0.009	-24.642
4180_4181	4180	4181	-48.86	19.133	0	0.017	0.007	-79.529
4181_4181	4181	4181	48.874	18.266	0.002	0.003	-0.007	79.629
4181_4182	4181	4182	-48.912	-6.178	-0.002	-0.003	-0.006	15.298
4182_4182	4182	4182	48.912	6.178	0.003	-0.009	0.006	-15.298
4182_4183	4182	4183	-48.949	5.911	-0.003	0.009	-0.029	16.529
4183_4183	4183	4183	49.054	-5.911	0.002	0	0.026	-16.643

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4183_4184	4183	4184	-49.1	20.729	-0.002	0	-0.046	-109.665
4184_4184	4184	4184	49.109	20.634	-0.011	-0.003	0.046	109.665
4184_4185	4184	4185	-49.021	-1.137	0.011	0.003	0.088	25.934
4185_4185	4185	4185	49.021	1.137	-0.011	-0.003	-0.088	-25.934
4185_4186	4185	4186	-48.933	18.361	0.011	0.003	0.221	-82.21
4186_4186	4186	4186	48.929	15.073	0.012	-0.018	-0.221	82.209
4186_4187	4186	4187	-31.475	5.594	-0.012	0.018	0.061	-39.325
4187_4187	4187	4187	76.499	-3.236	0.001	0.013	-0.017	-34.302
4187_4188	4187	4188	-122.147	22.354	-0.001	-0.013	0.01	-60.956
4188_4188	4188	4188	122.147	19.07	0	-0.021	-0.01	60.956
4188_4189	4188	4189	-119.099	-5.647	0	0.021	0.01	37.631
4189_4189	4189	4189	120.398	5.638	0	0.008	-0.011	-36.33
4189_4190	4189	4190	-115.281	16.717	0	-0.008	0.015	-45.322
4190_4190	4190	4190	115.282	19.276	-0.002	0.034	-0.015	45.321
4190_4191	4190	4191	-109.658	-1.379	0.002	-0.034	0.036	61.444
4191_4191	4191	4191	109.658	1.379	-0.001	-0.039	-0.036	-61.444
4191_4192	4191	4192	-104.034	16.518	0.001	0.039	0.05	-28.676
4192_4192	4192	4192	104.028	17.315	0.003	-0.001	-0.05	28.677
4192_4193	4192	4193	-99.943	-0.964	-0.003	0.001	0.016	58.286
4193_4193	4193	4193	99.943	0.964	0.003	-0.001	-0.016	-58.286
4193_4194	4193	4194	-95.859	15.388	-0.003	0.001	-0.019	-19.1
4194_4194	4194	4194	95.879	16.038	0.003	-0.032	0.019	18.914
4194_4195	4194	4195	-91.874	0.297	-0.003	0.032	-0.049	55.264
4195_4195	4195	4195	91.873	-0.297	0.002	0.033	0.049	-55.264
4195_4196	4195	4196	-87.864	16.648	-0.002	-0.033	-0.072	-34.749
4196_4196	4196	4196	87.854	17.544	-0.003	-0.025	0.072	34.932
4196_4197	4196	4197	-82.057	0.353	0.003	0.025	-0.037	52.599
4197_4197	4197	4197	82.057	-0.353	-0.004	0.029	0.037	-52.6
4197_4198	4197	4198	-76.259	18.251	0.004	-0.029	0.004	-56.755
4198_4198	4198	4198	76.254	16.518	0.003	0.006	-0.004	56.755
4198_4199	4198	4199	-77.195	5.854	-0.003	-0.006	-0.037	17.893
4199_4199	4199	4199	77.3	-5.854	0.003	-0.005	0.039	-18.031
4199_4200	4199	4200	-77.866	19.276	-0.003	0.005	-0.067	-84.844
4200_4200	4200	4200	77.872	20.204	-0.004	0.005	0.067	84.704
4200_4201	4200	4201	-54.101	-1.103	0.004	-0.005	-0.024	11.207
4201_4201	4201	4201	55.11	2.052	-0.008	-0.001	0.165	-12.924
4201_4202	4201	4202	-59.198	20.349	0.008	0.001	-0.062	-103.839
4202_4202	4202	4202	59.197	20.678	0.013	0.001	0.062	103.842
4202_4203	4202	4203	-59.126	0.455	-0.013	-0.001	-0.221	23.069
4203_4203	4203	4203	59.126	-0.455	0.013	0.001	0.221	-23.069
4203_4204	4203	4204	-59.055	21.588	-0.013	-0.001	-0.381	-114.204
4204_4204	4204	4204	59.064	22.098	-0.005	0.004	0.381	114.206
4204_4205	4204	4205	-59.804	-6.037	0.005	-0.004	-0.329	20.011
4205_4205	4205	4205	59.972	6.037	-0.005	-0.01	0.335	-20.191
4205_4206	4205	4206	-60.574	7.065	0.005	0.01	-0.297	16.668
4206_4206	4206	4206	60.574	-7.065	-0.006	0.009	0.297	-16.668
4206_4207	4206	4207	-61.176	20.167	0.006	-0.009	-0.253	-88.409
4207_4207	4207	4207	61.174	20.952	-0.041	-0.016	0.253	88.408
4207_4208	4207	4208	-60.169	-7.427	0.041	0.016	0.079	23.941
4208_4208	4208	4208	60.169	7.427	-0.042	0.01	-0.079	-23.941
4208_4209	4208	4209	-59.164	6.098	0.042	-0.01	0.417	28.081
4209_4209	4209	4209	59.164	-6.098	-0.042	0.01	-0.417	-28.081
4209_4210	4209	4210	-58.159	19.623	0.042	-0.01	0.754	-75.988

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4210_4210	4210	4210	58.158	20.349	-0.009	0.002	-0.754	75.859
4210_4211	4210	4211	-57.74	-10.205	0.009	-0.002	0.81	15.28
4211_4211	4211	4211	57.74	10.205	-0.009	0.002	-0.81	-15.28
4211_4212	4211	4212	-57.323	-0.078	0.009	-0.002	0.866	45.55
4212_4212	4212	4212	57.323	0.078	-0.009	0.001	-0.866	-45.55
4212_4213	4212	4213	-56.905	10.065	0.009	-0.001	0.922	15.055
4213_4213	4213	4213	56.905	-10.065	-0.009	0.001	-0.922	-15.055
4213_4214	4213	4214	-56.487	20.209	0.009	-0.001	0.977	-76.308
4214_4214	4214	4214	56.493	19.987	0.037	0.001	-0.977	76.441
4214_4215	4214	4215	-55.712	-6.462	-0.037	-0.001	0.683	28.299
4215_4215	4215	4215	55.712	6.462	0.037	0.001	-0.683	-28.299
4215_4216	4215	4216	-54.931	7.063	-0.037	-0.001	0.389	24.831
4216_4216	4216	4216	54.931	-7.063	0.037	0.001	-0.389	-24.831
4216_4217	4216	4217	-54.15	20.588	-0.037	-0.001	0.095	-86.843
4217_4217	4217	4217	54.156	19.821	-0.003	0.008	-0.095	86.95
4217_4218	4217	4218	-54.119	-6.719	0.003	-0.008	0.12	16.096
4218_4218	4218	4218	54.118	6.719	-0.002	-0.006	-0.12	-16.096
4218_4219	4218	4219	-54.081	6.383	0.002	0.006	0.139	17.592
4219_4219	4219	4219	54.126	-6.383	-0.003	0.007	-0.14	-17.635
4219_4220	4219	4220	-54.082	22.444	0.003	-0.007	0.168	-119.065
4220_4220	4220	4220	54.12	22.445	0.087	0.002	-0.168	119.045
4220_4221	4220	4221	-53.71	-1.314	-0.087	-0.002	-0.92	28.341
4221_4221	4221	4221	53.71	1.314	0.087	0.002	0.92	-28.341
4221_4222	4221	4222	-53.301	19.817	-0.087	-0.002	-2.008	-88.416
4222_4222	4222	4222	53.291	16.643	-0.555	0.01	2.008	88.283
4222_4223	4222	4223	-37.31	5.756	0.555	-0.01	5.352	-34.832
4223_4223	4223	4223	77.1	-3.412	-0.003	-0.005	-0.147	-29.112
4223_4224	4223	4224	-123.061	24.115	0.003	0.005	0.177	-78.73
4224_4224	4224	4224	123.068	21.902	0.02	0.013	-0.177	78.585
4224_4225	4224	4225	-119.622	-7.381	-0.02	-0.013	0.009	38.46
4225_4225	4225	4225	119.842	7.379	0.02	-0.004	-0.005	-38.831
4225_4226	4225	4226	-113.281	20.271	-0.02	0.004	-0.307	-69.208
4226_4226	4226	4226	113.287	22.18	-0.003	0.231	0.307	69.149
4226_4227	4226	4227	-107.956	-1.086	0.003	-0.231	-0.272	63.954
4227_4227	4227	4227	107.953	1.086	0	-0.225	0.272	-63.955
4227_4228	4227	4228	-102.622	20.011	0	0.225	-0.268	-55.514
4228_4228	4228	4228	102.579	21.471	0.018	0.001	0.268	55.626
4228_4229	4228	4229	-97.882	-0.37	-0.018	-0.001	-0.483	69.846
4229_4229	4229	4229	97.882	0.37	0.018	0.001	0.483	-69.846
4229_4230	4229	4230	-93.185	20.732	-0.018	-0.001	-0.698	-57.392
4230_4230	4230	4230	93.23	21.328	-0.016	0.3	0.698	57.401
4230_4231	4230	4231	-88.904	0.214	0.016	-0.3	-0.502	66.491
4231_4231	4231	4231	88.896	-0.214	-0.012	-0.298	0.502	-66.488
4231_4232	4231	4232	-84.573	21.745	0.012	0.298	-0.351	-72.858
4232_4232	4232	4232	84.521	21.456	0.012	-0.031	0.351	73.061
4232_4233	4232	4233	-81.522	-0.343	-0.012	0.031	-0.5	54.068
4233_4233	4233	4233	81.793	0.342	0.012	0.023	0.511	-54.399
4233_4234	4233	4234	-78.783	20.822	-0.012	-0.023	-0.656	-72.08
4234_4234	4234	4234	78.796	19.355	-0.053	0.06	0.656	72.114
4234_4235	4234	4235	-62.971	-0.341	0.053	-0.06	-0.081	14.406
4235_4235	4235	4235	61.572	1.138	-0.284	-0.079	2.26	-12.166
4235_4236	4235	4236	-66.865	17.451	0.284	0.079	0.562	-62.751
4236_4236	4236	4236	66.741	17.386	0.202	-0.004	-0.562	62.846

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4236_4237	4236	4237	-66.772	1.447	-0.202	0.004	-1.473	16.538
4237_4237	4237	4237	66.773	-1.447	0.203	-0.01	1.473	-16.538
4237_4238	4237	4238	-66.806	21.425	-0.203	0.01	-3.635	-106.282
4238_4238	4238	4238	67.12	23.807	-0.176	0.129	3.635	106.329
4238_4239	4238	4239	-67.718	-0.191	0.176	-0.129	-1.41	46.831
4239_4239	4239	4239	67.887	0.191	-0.173	-0.146	1.403	-47.022
4239_4240	4239	4240	-68.464	22.065	0.173	0.146	0.648	-81.229
4240_4240	4240	4240	68.273	20.467	-0.053	0	-0.648	81.199
4240_4241	4240	4241	-67.014	-2.366	0.053	0	1.163	27.302
4241_4241	4241	4241	67.014	2.366	-0.053	0.001	-1.163	-27.302
4241_4242	4241	4242	-65.717	16.26	0.053	-0.001	1.693	-43.703
4242_4242	4242	4242	65.757	18.023	-0.065	-0.007	-1.693	43.793
4242_4243	4242	4243	-65.083	0.791	0.065	0.007	2.341	42.027
4243_4243	4243	4243	65.083	-0.791	-0.065	0.017	-2.341	-42.027
4243_4244	4243	4244	-64.439	18.741	0.065	-0.017	2.963	-52.297
4244_4244	4244	4244	64.418	18.701	0.047	0.129	-2.963	52.17
4244_4245	4244	4245	-63.953	-1.416	-0.047	-0.129	2.529	40.084
4245_4245	4245	4245	63.952	1.416	0.05	-0.103	-2.529	-40.085
4245_4246	4245	4246	-63.428	18.039	-0.05	0.103	2.01	-46.94
4246_4246	4246	4246	63.461	16.797	-0.102	0.007	-2.01	46.905
4246_4247	4246	4247	-62.748	2.227	0.102	-0.007	3.047	25.984
4247_4247	4247	4247	62.748	-2.227	-0.102	0.003	-3.047	-25.984
4247_4248	4247	4248	-62.085	19.935	0.102	-0.003	4.013	-79.843
4248_4248	4248	4248	62.179	21.59	0.348	0.257	-4.013	80.536
4248_4249	4248	4249	-62.943	3.449	-0.348	-0.257	-0.644	41.477
4249_4249	4249	4249	63.04	-3.449	0.353	-0.301	0.642	-41.567
4249_4250	4249	4250	-63.676	24.288	-0.353	0.301	-4.57	-112.159
4250_4250	4250	4250	63.773	22.569	-0.176	-0.004	4.57	112.368
4250_4251	4250	4251	-63.334	1.753	0.176	0.004	-2.288	22.298
4251_4251	4251	4251	63.334	-1.753	-0.176	0.005	2.288	-22.298
4251_4252	4251	4252	-63.042	17.922	0.176	-0.005	-0.771	-62.992
4252_4252	4252	4252	63.045	17.325	-0.037	-0.029	0.771	62.962
4252_4253	4252	4253	-51.413	4.55	0.037	0.029	-0.342	-2.302
4253_4253	4253	4253	51.409	-4.55	-0.036	0.039	0.342	2.301
4253_4254	4253	4254	-41.513	23.161	0.036	-0.039	0.011	-151.885
4254_4254	4254	4254	99.141	20.433	-0.011	-0.017	0.374	58.036
4254_4255	4254	4255	-122.284	4.48	0.011	0.017	-0.235	71.488
4255_4255	4255	4255	122.381	-4.477	-0.011	0.032	0.235	-71.65
4255_4256	4255	4256	-144.227	27.976	0.011	-0.032	-0.102	-93.952
4256_4256	4256	4256	144.249	24.002	0.016	0.297	0.102	94.189
4256_4257	4256	4257	-144.008	-1.578	-0.016	-0.297	-0.288	50.718
4257_4257	4257	4257	144.01	1.578	0.016	-0.27	0.288	-50.714
4257_4258	4257	4258	-143.761	21.565	-0.016	0.27	-0.478	-66.541
4258_4258	4258	4258	143.761	21.896	0.006	0.039	0.478	66.563
4258_4259	4258	4259	-148.991	1.102	-0.006	-0.039	-0.547	60.902
4259_4259	4259	4259	148.992	-1.102	0.006	-0.026	0.547	-60.901
4259_4260	4259	4260	-154.123	23.663	-0.006	0.026	-0.613	-74.114
4260_4260	4260	4260	154.129	21.556	0	0.456	0.613	74.061
4260_4261	4260	4261	-158.469	1.305	0	-0.456	-0.612	48.333
4261_4261	4261	4261	158.473	-1.305	0	-0.458	0.612	-48.326
4261_4262	4261	4262	-162.778	23.982	0	0.458	-0.608	-91.536
4262_4262	4262	4262	162.824	22.025	0.025	-0.015	0.608	91.667
4262_4263	4262	4263	-167.839	3.067	-0.025	0.015	-0.921	34.524

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4263_4263	4263	4263	167.839	-3.067	0.025	-0.012	0.921	-34.524
4263_4264	4263	4264	-172.378	25.784	-0.025	0.012	-1.204	-126.007
4264_4264	4264	4264	172.544	25.872	-0.052	0.094	1.213	125.715
4264_4265	4264	4265	-155.122	-0.547	0.052	-0.094	-0.552	22.992
4265_4265	4265	4265	155.113	0.547	-0.052	-0.145	0.552	-22.986
4265_4266	4265	4266	-138.999	22.876	0.052	0.145	0.061	-128.362
4266_4266	4266	4266	139.178	25.232	0.09	-0.019	-0.061	128.281
4266_4267	4266	4267	-122.127	-4.668	-0.09	0.019	-0.872	5.567
4267_4267	4267	4267	122.128	4.668	0.09	-0.021	0.872	-5.567
4267_4268	4267	4268	-107.2	13.335	-0.09	0.021	-1.689	-52.919
4268_4268	4268	4268	63.139	21.365	-0.192	-0.018	2.525	124.8
4268_4269	4268	4269	-79.571	5.392	0.192	0.018	0.039	0.249
4269_4269	4269	4269	79.573	-5.392	-0.193	-0.019	-0.039	-0.257
4269_4270	4269	4270	-92.645	26.678	0.193	0.019	2.081	-154.94
4270_4270	4270	4270	92.571	34.802	0.086	-0.015	-2.082	154.558
4270_4271	4270	4271	-51.034	-7.158	-0.086	0.015	0.896	89.747
4271_4271	4271	4271	51.034	7.158	0.086	-0.002	-0.896	-89.747
4271_4272	4271	4272	-19.629	13.743	-0.086	0.002	0	21.784
4372_4372	4372	4372	17.802	10.254	-0.255	0.012	0	-23.726
4372_4373	4372	4373	-51.108	8.238	0.255	-0.012	3.156	72.823
4373_4373	4373	4373	51.107	-8.238	-0.255	-0.02	-3.156	-72.823
4373_4374	4373	4374	-82.993	25.942	0.255	0.02	6.177	-94.608
4374_4374	4374	4374	83.004	19.298	0.45	0.008	-6.177	94.338
4374_4375	4374	4375	-73.049	-1.899	-0.45	-0.008	0.934	18.032
4375_4375	4375	4375	73.049	1.899	0.45	-0.002	-0.934	-18.032
4375_4376	4375	4376	-64.25	13.481	-0.45	0.002	-3.701	-51.337
4376_4376	4376	4376	64.264	15.769	-0.201	0.165	3.701	51.559
4376_4377	4376	4377	-65.672	1.175	0.201	-0.165	-1.423	32.401
4377_4377	4377	4377	65.664	-1.175	-0.201	-0.175	1.423	-32.403
4377_4378	4377	4378	-67.044	17.778	0.201	0.175	0.807	-71.72
4378_4378	4378	4378	66.933	17.481	0.107	-0.008	-0.807	71.678
4378_4379	4378	4379	-66.875	0.151	-0.107	0.008	-0.459	30.541
4379_4379	4379	4379	67.026	-0.151	0.107	0.001	0.455	-30.733
4379_4380	4379	4380	-66.966	18.422	-0.107	-0.001	-1.767	-82.846
4380_4380	4380	4380	66.954	16.048	-0.169	-0.012	1.767	82.933
4380_4381	4380	4381	-67.779	0.227	0.169	0.012	0.078	3.9
4381_4381	4381	4381	67.774	-0.227	-0.168	-0.013	-0.078	-3.9
4381_4382	4381	4382	-68.513	14.817	0.168	0.013	1.721	-68.953
4382_4382	4382	4382	68.52	18.103	0.075	-0.002	-1.721	68.756
4382_4383	4382	4383	-59.611	-0.675	-0.075	0.002	0.843	30.294
4383_4383	4383	4383	59.611	0.675	0.075	-0.013	-0.843	-30.294
4383_4384	4383	4384	-50.685	16.786	-0.075	0.013	-0.038	-74.337
4384_4384	4384	4384	71.744	17.664	-0.021	0.016	0.356	40.124
4384_4385	4384	4385	-61.08	0.864	0.021	-0.016	-0.087	51.843
4385_4385	4385	4385	61.175	-0.865	-0.021	-0.008	0.089	-51.953
4385_4386	4385	4386	-52.452	15.998	0.021	0.008	0.128	-44.849
4386_4386	4386	4386	52.445	18.167	0.004	0.28	-0.128	45.16
4386_4387	4386	4387	-55.6	-0.459	-0.004	-0.28	0.078	70.372
4387_4387	4387	4387	55.593	0.459	0.005	-0.248	-0.078	-70.375
4387_4388	4387	4388	-58.828	17.695	-0.005	0.248	0.013	-30.875
4388_4388	4388	4388	58.818	18.263	0.002	0.013	-0.013	31.369
4388_4389	4388	4389	-58.94	0.607	-0.002	-0.013	-0.016	81.422
4389_4389	4389	4389	58.94	-0.607	0.002	0.028	0.016	-81.422

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4389_4390	4389	4390	-59.049	17.604	-0.002	-0.028	-0.042	-22.692
4390_4390	4390	4390	59.053	17.986	0.014	0.321	0.042	22.619
4390_4391	4390	4391	-60.033	1.522	-0.014	-0.321	-0.232	87.108
4391_4391	4391	4391	60.03	-1.522	0.015	-0.33	0.232	-87.11
4391_4392	4391	4392	-60.852	17.878	-0.015	0.33	-0.402	-18.822
4392_4392	4392	4392	60.854	17.501	-0.04	0.041	0.402	18.858
4392_4393	4392	4393	-62.182	0.871	0.04	-0.041	0.089	85.856
4393_4393	4393	4393	62.182	-0.871	-0.04	0.011	-0.089	-85.856
4393_4394	4393	4394	-63.446	18.358	0.04	-0.011	0.555	-26.07
4394_4394	4394	4394	63.462	18.306	0.153	0.425	-0.555	25.858
4394_4395	4394	4395	-63.232	-0.725	-0.153	-0.425	-1.257	86.86
4395_4395	4395	4395	63.238	0.725	0.154	-0.359	1.257	-86.863
4395_4396	4395	4396	-62.999	17.544	-0.154	0.359	-3.153	-17.009
4396_4396	4396	4396	62.979	13.423	-0.526	0.01	3.153	17.37
4396_4397	4396	4397	-72.804	4.494	0.526	-0.01	3.21	47.368
4397_4397	4397	4397	72.805	-4.494	-0.526	0.029	-3.21	-47.368
4397_4398	4397	4398	-82.646	22.44	0.526	-0.029	9.585	-104.951
4398_4398	4398	4398	82.689	29.006	0.318	0.248	-9.585	104.7
4398_4399	4398	4399	-55.621	-10.242	-0.318	-0.248	5.559	113.512
4399_4399	4399	4399	55.624	10.242	0.318	-0.1	-5.559	-113.512
4399_4400	4399	4400	-28.642	8.462	-0.318	0.1	1.542	94.561
4400_4400	4400	4400	28.643	-8.462	0.318	-0.166	-1.542	-94.56
4400_4401	4400	4401	-18.286	15.641	-0.318	0.166	0	24.586
4572_4572	4572	4572	17.839	10.337	-0.14	0.01	0	-23.897
4572_4573	4572	4573	-51.095	8.163	0.14	-0.01	1.732	73.928
4573_4573	4573	4573	51.095	-8.163	-0.14	-0.013	-1.732	-73.928
4573_4574	4573	4574	-82.686	25.737	0.14	0.013	3.377	-90.698
4574_4574	4574	4574	82.697	18.814	0.079	0.005	-3.377	90.815
4574_4575	4574	4575	-73.024	-1.697	-0.079	-0.005	2.475	15.941
4575_4575	4575	4575	73.024	1.697	0.079	-0.001	-2.475	-15.941
4575_4576	4575	4576	-64.424	13.521	-0.079	0.001	1.673	-53.815
4576_4576	4576	4576	64.42	16	0.208	0.183	-1.673	53.898
4576_4577	4576	4577	-65.569	0.994	-0.208	-0.183	-0.692	32.449
4577_4577	4577	4577	65.567	-0.994	0.208	-0.181	0.692	-32.451
4577_4578	4577	4578	-66.708	17.878	-0.208	0.181	-3.046	-73.177
4578_4578	4578	4578	66.828	17.323	-0.112	-0.017	3.046	73.188
4578_4579	4578	4579	-67.325	0.013	0.112	0.017	-1.748	27.738
4579_4579	4579	4579	67.476	-0.013	-0.112	-0.001	1.745	-27.931
4579_4580	4579	4580	-68.006	18.459	0.112	0.001	-0.366	-85.55
4580_4580	4580	4580	67.993	16.43	-0.071	-0.011	0.366	85.574
4580_4581	4580	4581	-67.308	-0.208	0.071	0.011	0.406	3.88
4581_4581	4581	4581	67.304	0.208	-0.071	-0.01	-0.406	-3.881
4581_4582	4581	4582	-66.689	14.338	0.071	0.01	1.101	-65.681
4582_4582	4582	4582	66.694	18.033	0.032	0.009	-1.101	65.808
4582_4583	4582	4583	-59.194	-0.918	-0.032	-0.009	0.734	33.803
4583_4583	4583	4583	59.193	0.918	0.032	-0.012	-0.734	-33.804
4583_4584	4583	4584	-51.477	16.691	-0.032	0.012	0.356	-68.327
4584_4584	4584	4584	71.247	17.535	0.003	0.012	-0.11	36.404
4584_4585	4584	4585	-61.002	0.849	-0.003	-0.012	0.073	54.494
4585_4585	4585	4585	61.097	-0.85	0.003	0.006	-0.07	-54.604
4585_4586	4585	4586	-52.624	16.033	-0.003	-0.006	0.038	-42.319
4586_4586	4586	4586	52.618	18.1	0.004	0.239	-0.038	41.971
4586_4587	4586	4587	-55.547	-0.608	-0.004	-0.239	-0.007	72.315

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
4587_4587	4587	4587	55.543	0.608	0.003	-0.197	0.007	-72.317
4587_4588	4587	4588	-58.601	17.657	-0.003	0.197	-0.048	-28.725
4588_4588	4588	4588	58.6	18.114	0	-0.024	0.048	28.345
4588_4589	4588	4589	-59.116	0.582	0	0.024	-0.045	83.074
4589_4589	4589	4589	59.116	-0.582	0	0.071	0.045	-83.074
4589_4590	4589	4590	-59.587	17.629	0	-0.071	-0.043	-20.946
4590_4590	4590	4590	59.585	17.892	0.005	0.31	0.043	21.098
4590_4591	4590	4591	-60.659	1.504	-0.005	-0.31	-0.107	87.582
4591_4591	4591	4591	60.656	-1.504	0.005	-0.313	0.107	-87.584
4591_4592	4591	4592	-61.561	17.867	-0.005	0.313	-0.157	-18.171
4592_4592	4592	4592	61.565	17.467	0.016	-0.006	0.157	18.213
4592_4593	4592	4593	-63.097	0.653	-0.016	0.006	-0.347	86.469
4593_4593	4593	4593	63.097	-0.653	0.016	0.057	0.347	-86.469
4593_4594	4593	4594	-64.588	18.281	-0.016	-0.057	-0.533	-24.328
4594_4594	4594	4594	64.598	17.902	-0.057	0.344	0.533	23.856
4594_4595	4594	4595	-64.193	-0.31	0.057	-0.344	0.138	83.876
4595_4595	4595	4595	64.195	0.31	-0.057	-0.291	-0.138	-83.878
4595_4596	4595	4596	-63.777	17.841	0.057	0.291	0.836	-23.88
4596_4596	4596	4596	63.777	14.526	0.246	-0.005	-0.836	23.772
4596_4597	4596	4597	-73.442	3.37	-0.246	0.005	-2.138	54.184
4597_4597	4597	4597	73.442	-3.37	0.246	0.045	2.138	-54.184
4597_4598	4597	4598	-83.078	21.215	-0.246	-0.045	-5.105	-83.297
4598_4598	4598	4598	83.066	26.563	-0.191	0.166	5.105	83.445
4598_4599	4598	4599	-52.606	-7.838	0.191	-0.166	-2.697	99.959
4599_4599	4599	4599	52.606	7.838	-0.191	-0.102	2.697	-99.96
4599_4600	4599	4600	-22.296	10.794	0.191	0.102	-0.299	47.59
4600_4600	4600	4600	22.296	-10.794	-0.191	-0.142	0.299	-47.589
4600_4601	4600	4601	-18.518	13.117	0.191	0.142	0	24.64
5000_5000	5000	5000	67.749	457.575	0.715	4.767	0	-315.56
5000_5001	5000	5001	-62.932	-420.475	-0.715	-4.767	-9.102	5879.472
5001_5001	5001	5001	62.936	420.475	0.706	-2.612	9.102	-5879.48
5001_5002	5001	5002	-59.193	-391.647	-0.706	2.612	-16.086	9876.88
5002_5002	5002	5002	59.166	340.687	-0.613	11.139	16.086	-9876.99
5002_5003	5002	5003	-56.528	-305.273	0.613	-11.139	-8.647	13788.09
5003_5003	5003	5003	56.524	305.273	-0.623	-9.243	8.647	-13788.1
5003_5004	5003	5004	-53.89	-269.896	0.623	9.243	-1.091	17265.73
5004_5004	5004	5004	53.905	224.701	0.707	9.274	1.091	-17266
5004_5005	5004	5005	-50.937	-189.302	-0.707	-9.274	-9.677	19765.94
5005_5005	5005	5005	50.938	189.302	0.701	-8.504	9.677	-19765.9
5005_5006	5005	5006	-47.968	-153.878	-0.701	8.504	-18.193	21837.46
5006_5006	5006	5006	47.965	105.17	-0.172	18.338	18.193	-21837.7
5006_5007	5006	5007	-45.455	-69.778	0.172	-18.338	-16.103	22888.57
5007_5007	5007	5007	45.454	69.778	-0.183	-18.243	16.103	-22888.6
5007_5008	5007	5008	-42.945	-34.394	0.183	18.243	-13.881	23509.8
5008_5008	5008	5008	42.949	-12.618	0.697	18.15	13.881	-23510.1
5008_5009	5008	5009	-40.782	48.027	-0.697	-18.15	-22.349	23132.64
5009_5009	5009	5009	40.783	-48.027	0.686	-18.764	22.349	-23132.6
5009_5010	5009	5010	-38.617	83.43	-0.686	18.764	-30.682	22325.42
5010_5010	5010	5010	38.617	-130.617	-0.089	-0.623	30.682	-22325.8
5010_5011	5010	5011	-36.89	166.013	0.089	0.623	-29.6	20518.32
5011_5011	5011	5011	36.89	-166.013	-0.089	-0.623	29.6	-20518.3
5011_5012	5011	5012	-35.163	201.408	0.089	0.623	-28.517	18281.19
5012_5012	5012	5012	35.163	-247.787	0.115	4.337	28.517	-18281.5

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5012_5013	5012	5013	-34.393	283.201	-0.115	-4.337	-29.908	15054.42
5013_5013	5013	5013	34.393	-283.201	0.11	-6.086	29.908	-15054.4
5013_5014	5013	5014	-33.624	318.583	-0.11	6.086	-31.239	11400.79
5014_5014	5014	5014	33.63	-364.514	0.793	1.445	31.239	-11400.9
5014_5015	5014	5015	-31.715	411.604	-0.793	-1.445	-44.043	5126.377
5015_5015	5015	5015	30.612	-410.478	0.73	-2.646	43.289	-5078.35
5015_5016	5015	5016	-31.088	432.962	-0.73	2.649	-49.312	1592.765
5016_5016	5016	5016	64.294	-478.285	-0.348	-1.747	56.243	-1704.94
5016_5017	5016	5017	-67.183	510.368	0.348	1.742	-52.155	-4097.54
5017_5017	5017	5017	82.004	-508.064	-0.355	0.662	52.321	4094.684
5017_5018	5017	5018	-86.838	546.96	0.355	-0.67	-47.608	-11093.4
5018_5018	5018	5018	106.153	-588.137	0.007	-8.871	46.875	11093.74
5018_5019	5018	5019	-112.123	626.593	-0.007	8.876	-46.965	-18692.5
5019_5019	5019	5019	129.283	-623.214	0	8.132	48.845	18693.32
5019_5020	5019	5020	-136.283	664.202	0	-8.127	-48.843	-26779.3
5020_5020	5020	5020	-2484.52	207.398	-15.19	-1.861	375.681	5682.869
5020_5021	5020	5021	2481.513	-180.836	15.19	1.861	-231.434	-3827.58
5021_5021	5021	5021	-2483.35	180.849	-14.772	-1.205	231.211	3836.588
5021_5022	5021	5022	2480.803	-161.263	14.772	1.205	-116.648	-2499.81
5022_5022	5022	5022	-2480.82	161.263	-11.905	1.814	116.648	2499.808
5022_5023	5022	5023	2478.274	-141.706	11.905	-1.814	-24.45	-1316.5
5023_5023	5023	5023	-2478.3	98.184	-6.182	0.149	24.45	1316.497
5023_5024	5023	5024	2476.214	-77.971	6.182	-0.149	25.033	-603.239
5024_5024	5024	5024	-2476.2	77.971	-9.629	-0.836	-25.033	603.238
5024_5025	5024	5025	2474.123	-57.781	9.629	0.836	102.017	-52.291
5025_5025	5025	5025	-2474.14	57.781	-3.068	-0.434	-102.017	52.293
5025_5026	5025	5026	2472.058	-37.57	3.068	0.434	126.568	337.527
5026_5026	5026	5026	-2472.06	-8.877	-2.449	-0.499	-126.568	-337.525
5026_5027	5026	5027	2470.987	24.034	2.449	0.499	141.265	242.997
5027_5027	5027	5027	-2470.99	-24.034	-2.881	-0.471	-141.265	-242.997
5027_5028	5027	5028	2469.913	39.166	2.881	0.471	158.526	57.876
5028_5028	5028	5028	-2469.91	-39.166	-2.449	-0.468	-158.526	-57.876
5028_5029	5028	5029	2468.839	54.323	2.449	0.468	173.223	-218.452
5029_5029	5029	5029	-2468.84	-54.323	1.706	0.011	-173.223	218.452
5029_5030	5029	5030	2467.766	69.478	-1.706	-0.011	162.987	-585.684
5030_5030	5030	5030	-2467.78	-115.643	1.127	-1.694	-162.987	585.66
5030_5031	5030	5031	2466.972	135.848	-1.127	1.694	153.971	-1588.65
5031_5031	5031	5031	-2466.97	-135.848	4.244	0.357	-153.971	1588.65
5031_5032	5031	5032	2466.165	156.051	-4.244	-0.357	120.021	-2753.15
5032_5032	5032	5032	-2466.17	-156.051	4.244	0.357	-120.021	2753.147
5032_5033	5032	5033	2465.361	176.253	-4.244	-0.357	86.07	-4079.27
5033_5033	5033	5033	-2465.31	-220.66	12.274	-2.721	-86.07	4079.38
5033_5034	5033	5034	2464.982	240.224	-12.274	2.721	-9.019	-5863.46
5034_5034	5034	5034	-2464.98	-240.224	12.274	-2.721	9.019	5863.462
5034_5035	5034	5035	2464.652	259.788	-12.274	2.721	-104.108	-7799.12
5035_5035	5035	5035	-2464.01	-259.791	14.797	5.161	104.012	7796.033
5035_5036	5035	5036	2463.614	286.293	-14.797	-5.161	-244.207	-10381.6
5036_5036	5036	5036	148.767	550.218	0.791	-30.675	-0.394	32834.13
5036_5037	5036	5037	-144.829	-509.121	-0.791	30.67	-9.581	-26164.1
5037_5037	5037	5037	130.831	512.602	0.711	27.664	3.514	26163.29
5037_5038	5037	5038	-128.745	-474.052	-0.711	-27.67	-12.442	-19974.8
5038_5038	5038	5038	112.999	437.846	-0.31	-5.356	15.208	19975.22
5038_5039	5038	5039	-112.766	-398.964	0.31	5.364	-11.087	-14421.3

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5039_5039	5039	5039	637.522	394.564	-0.463	4.678	12.177	11543.5
5039_5040	5039	5040	-646.967	-362.605	0.463	-4.677	-6.733	-7168.74
5040_5040	5040	5040	638.832	318.782	0.166	0.626	6.915	7170.034
5040_5041	5040	5041	-622.911	-296.766	-0.166	-0.629	-8.282	-4735.21
5041_5041	5041	5041	706.385	299.517	0.053	-0.279	8.323	4311.772
5041_5042	5041	5042	-638.973	-261.884	-0.053	0.279	-9.16	-206.528
5042_5042	5042	5042	638.977	214.265	0.002	0.01	9.16	206.548
5042_5043	5042	5043	-589.55	-185.721	-0.002	-0.01	-9.188	1952.99
5043_5043	5043	5043	589.55	185.721	0.002	0.01	9.188	-1952.99
5043_5044	5043	5044	-540.122	-157.177	-0.002	-0.01	-9.216	3772.106
5044_5044	5044	5044	540.134	112.3	-0.052	-0.259	9.216	-3772.16
5044_5045	5044	5045	-490.502	-83.738	0.052	0.259	-8.59	4715.306
5045_5045	5045	5045	490.502	83.738	-0.049	0.335	8.59	-4715.31
5045_5046	5045	5046	-440.913	-55.2	0.049	-0.335	-8.011	5317.247
5046_5046	5046	5046	440.918	9.926	0.159	6.168	8.011	-5317.32
5046_5047	5046	5047	-391.268	18.632	-0.159	-6.168	-9.911	5038.79
5047_5047	5047	5047	391.268	-18.632	0.072	-6.033	9.911	-5038.79
5047_5048	5047	5048	-341.667	47.161	-0.072	6.033	-10.767	4420.287
5048_5048	5048	5048	341.667	-92.066	-0.165	3.861	10.767	-4420.34
5048_5049	5048	5049	-292.194	120.618	0.165	-3.861	-8.797	2925.913
5049_5049	5049	5049	292.194	-120.618	-0.256	-3.672	8.797	-2925.91
5049_5050	5049	5050	-242.728	149.165	0.256	3.672	-5.739	1091.15
5050_5050	5050	5050	242.73	-193.359	0.404	-0.695	5.739	-1091.18
5050_5051	5050	5051	-177.001	230.956	-0.404	0.695	-12.091	-2541.37
5051_5051	5051	5051	176.056	-229.127	0.332	2.244	12.087	2559.827
5051_5052	5051	5052	-143.66	249.541	-0.332	-2.243	-14.829	-4685.32
5052_5052	5052	5052	150.723	-291.959	0.001	-6.114	14.61	4686.057
5052_5053	5052	5053	-110.942	321.407	-0.001	6.118	-14.619	-8495.03
5053_5053	5053	5053	103.558	-318.566	-0.08	10.599	22.037	8584.328
5053_5054	5053	5054	-81.7	356.264	0.08	-10.589	-20.98	-13219.3
5054_5054	5054	5054	95.566	-393.36	-0.203	-15.185	19.006	13221.42
5054_5055	5054	5055	-88.617	430.548	0.203	15.186	-16.454	-18508.2
5055_5055	5055	5055	100.7	-426.354	-0.289	16.617	19.832	18511.29
5055_5056	5055	5056	-103.992	465.707	0.289	-16.614	-16.188	-24208.9
5056_5056	5056	5056	-2031.12	264.773	-10.106	0.202	217.84	7511.723
5056_5057	5056	5057	2037.614	-239.04	10.106	-0.202	-121.9	-5151.25
5057_5057	5057	5057	-2039.26	239.04	-11.039	-1.884	122.787	5120.422
5057_5058	5057	5058	2044.609	-218.496	11.039	1.884	-37.238	-3373.05
5058_5058	5058	5058	-2044.62	218.496	-8.178	3.24	37.238	3373.041
5058_5059	5058	5059	2049.966	-197.954	8.178	-3.24	26.13	-1785.01
5059_5059	5059	5059	-2049.97	156.151	-8.343	-1.796	-26.13	1785.012
5059_5060	5059	5060	2055.905	-134.918	8.343	1.796	92.954	-647.286
5060_5060	5060	5060	-2055.92	134.918	-2.992	1.566	-92.954	647.283
5060_5061	5060	5061	2061.849	-113.714	2.992	-1.566	116.886	319.119
5061_5061	5061	5061	-2061.85	113.714	-2.992	1.566	-116.886	-319.119
5061_5062	5061	5062	2067.78	-92.511	2.992	-1.566	140.817	1115.932
5062_5062	5062	5062	-2067.78	48.748	-1.457	0.827	-140.817	-1115.89
5062_5063	5062	5063	2072.703	-32.833	1.457	-0.827	149.567	1337.932
5063_5063	5063	5063	-2072.7	32.833	-1.705	0.87	-149.567	-1337.93
5063_5064	5063	5064	2077.614	-16.944	1.705	-0.87	159.783	1464.301
5064_5064	5064	5064	-2077.61	16.944	2.238	0.07	-159.783	-1464.3
5064_5065	5064	5065	2082.531	-1.031	-2.238	-0.07	146.351	1495.422
5065_5065	5065	5065	-2082.53	1.031	2.238	0.07	-146.351	-1495.42

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5065_5066	5065	5066	2087.449	14.882	-2.238	-0.07	132.919	1431.019
5066_5066	5066	5066	-2087.45	-58.904	4.226	-0.067	-132.919	-1430.92
5066_5067	5066	5067	2094.517	80.103	-4.226	0.067	99.126	842.691
5067_5067	5067	5067	-2094.52	-80.103	4.226	-0.067	-99.126	-842.691
5067_5068	5067	5068	2101.582	101.301	-4.226	0.067	65.333	84.96
5068_5068	5068	5068	-2101.57	-101.301	7.174	1.532	-65.333	-84.962
5068_5069	5068	5069	2108.648	122.524	-7.174	-1.532	7.897	-843.459
5069_5069	5069	5069	-2108.63	-163.582	9.216	-4.431	-7.897	843.532
5069_5070	5069	5070	2116.012	184.114	-9.216	4.431	-63.481	-2223.64
5070_5070	5070	5070	-2116	-184.114	12.255	0.595	63.481	2223.638
5070_5071	5070	5071	2123.386	204.671	-12.255	-0.595	-158.51	-3764.72
5071_5071	5071	5071	-2120.17	-204.666	13.587	4.014	160.047	3789.515
5071_5072	5071	5072	2129.029	230.408	-13.587	-4.014	-289.086	-5896.06
5072_5072	5072	5072	63.652	501.71	0.117	-14.934	21.68	22242.3
5072_5073	5072	5073	-32.648	-462.738	-0.117	14.939	-23.151	-16232.6
5073_5073	5073	5073	19.744	467.006	0.028	15.749	19.864	16230.66
5073_5074	5073	5074	10.415	-430.283	-0.028	-15.745	-20.22	-10644.4
5074_5074	5074	5074	-24.937	396.182	0.478	0.26	21.594	10643.58
5074_5075	5074	5075	48.811	-358.9	-0.478	-0.241	-27.944	-5645.58
5075_5075	5075	5075	444.643	355.718	-0.181	0.566	16.561	2938.687
5075_5076	5075	5076	-450.952	-327.272	0.181	-0.569	-14.429	1042.577
5076_5076	5076	5076	443.496	286.969	-0.06	4.666	14.386	-1041.84
5076_5077	5076	5077	-436.006	-267.29	0.06	-4.666	-13.887	3279.478
5077_5077	5077	5077	403.13	269.989	-0.128	-3.748	15.642	-3250.35
5077_5078	5077	5078	-378.819	-233.93	0.128	3.748	-13.811	6726.505
5078_5078	5078	5078	378.82	193.45	-0.062	10.193	13.811	-6726.62
5078_5079	5078	5079	-360.228	-165.091	0.062	-10.193	-13.112	8648.006
5079_5079	5079	5079	360.228	165.091	-0.155	-9.665	13.112	-8648.01
5079_5080	5079	5080	-341.638	-136.736	0.155	9.665	-11.374	10251.22
5080_5080	5080	5080	341.643	97.07	0.073	11.926	11.374	-10251.3
5080_5081	5080	5081	-323.4	-68.714	-0.073	-11.926	-12.195	11093.22
5081_5081	5081	5081	323.4	68.714	-0.019	-11.467	12.195	-11093.2
5081_5082	5081	5082	-305.159	-40.361	0.019	11.467	-11.977	11617.11
5082_5082	5082	5082	305.167	-0.802	-0.111	0.372	11.977	-11617.3
5082_5083	5082	5083	-286.088	31.254	0.111	-0.372	-10.64	11332.43
5083_5083	5083	5083	286.088	-31.254	-0.113	-0.125	10.64	-11332.4
5083_5084	5083	5084	-266.993	61.731	0.113	0.125	-9.278	10680.11
5084_5084	5084	5084	266.995	-102.886	-0.103	9.283	9.278	-10680.3
5084_5085	5084	5085	-249.596	131.235	0.103	-9.283	-8.12	9283.902
5085_5085	5085	5085	249.595	-131.235	-0.196	-9.222	8.12	-9283.9
5085_5086	5085	5086	-232.197	159.581	0.196	9.222	-5.923	7569.863
5086_5086	5086	5086	232.195	-198.958	-0.038	5.254	5.923	-7569.92
5086_5087	5086	5087	-215.29	227.305	0.038	-5.254	-5.501	5098.851
5087_5087	5087	5087	215.289	-227.305	-0.132	-5.213	5.501	-5098.85
5087_5088	5087	5088	-198.37	255.674	0.132	5.213	-4.018	2307.609
5088_5088	5088	5088	198.378	-293.816	0.216	-1.102	4.018	-2307.63
5088_5089	5088	5089	-177.444	328.511	-0.216	1.102	-6.977	-2063.12
5089_5089	5089	5089	180.286	-326.636	0.149	1.223	6.939	2119.56
5089_5090	5089	5090	-167.783	347.441	-0.149	-1.223	-8.172	-4956.82
5090_5090	5090	5090	176.685	-386.606	-0.231	-11.104	7.798	4957.33
5090_5091	5090	5091	-161.506	416.575	0.231	11.101	-5.082	-9757.34
5091_5091	5091	5091	157.998	-412.555	-0.355	9.453	9.663	9840.626
5091_5092	5091	5092	-149.618	449.565	0.355	-9.455	-4.952	-15628

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5092_5092	5092	5092	165.95	-485.663	-0.341	-9.417	3.544	15629.68
5092_5093	5092	5093	-164.3	522.237	0.341	9.412	0.729	-22001.3
5093_5093	5093	5093	178.731	-516.958	-0.385	9.619	1.237	22004.05
5093_5094	5093	5094	-182.046	555.789	0.385	-9.624	3.608	-28793.7
5094_5094	5094	5094	-2277.98	235.409	-6.701	-3.355	84.486	8061.39
5094_5095	5094	5095	2280.278	-210.118	6.701	3.355	-20.861	-5957.48
5095_5095	5095	5095	-2281.84	210.12	-5.693	-0.765	20.245	5965.079
5095_5096	5095	5096	2283.621	-190.06	5.693	0.765	23.902	-4422.27
5096_5096	5096	5096	-2283.63	190.06	-2.679	5.298	-23.902	4422.27
5096_5097	5096	5097	2285.403	-170.026	2.679	-5.298	44.647	-3036.76
5097_5097	5097	5097	-2285.41	129.9	0.183	-0.827	-44.647	3036.721
5097_5098	5097	5098	2287.627	-109.193	-0.183	0.827	43.18	-2090.39
5098_5098	5098	5098	-2287.63	109.193	0.183	-0.827	-43.18	2090.39
5098_5099	5098	5099	2289.842	-88.487	-0.183	0.827	41.713	-1309.78
5099_5099	5099	5099	-2289.84	88.487	3.111	1.426	-41.713	1309.783
5099_5100	5099	5100	2292.053	-67.808	-3.111	-1.426	16.847	-695.585
5100_5100	5100	5100	-2292.05	25.298	3.631	2.022	-16.847	695.585
5100_5101	5100	5101	2294.12	-9.769	-3.631	-2.022	-4.949	-599.816
5101_5101	5101	5101	-2294.11	9.769	7.651	4.052	4.949	599.812
5101_5102	5101	5102	2296.177	5.759	-7.651	-4.052	-50.87	-597.252
5102_5102	5102	5102	-2296.18	-5.759	-8.425	-4.269	50.87	597.254
5102_5103	5102	5103	2298.243	21.29	8.425	4.269	-0.293	-687.923
5103_5103	5103	5103	-2298.25	-21.29	-4.534	-2.057	0.293	687.927
5103_5104	5103	5104	2300.316	36.795	4.534	2.057	26.879	-871.44
5104_5104	5104	5104	-2300.32	-79.576	-2.992	-1.973	-26.879	871.446
5104_5105	5104	5105	2303.598	100.283	2.992	1.973	50.827	-1605.95
5105_5105	5105	5105	-2303.6	-100.283	-0.069	0.897	-50.827	1605.95
5105_5106	5105	5106	2306.876	120.963	0.069	-0.897	51.375	-2504.93
5106_5106	5106	5106	-2306.88	-120.963	0.022	1.021	-51.375	2504.925
5106_5107	5106	5107	2310.156	141.669	-0.022	-1.021	51.199	-3570.65
5107_5107	5107	5107	-2310.15	-181.648	4.294	-3.22	-51.199	3570.7
5107_5108	5107	5108	2313.773	201.706	-4.294	3.22	17.909	-5072.86
5108_5108	5108	5108	-2313.77	-201.706	4.205	-3.439	-17.909	5072.863
5108_5109	5108	5109	2317.393	221.739	-4.205	3.439	-14.654	-6728.3
5109_5109	5109	5109	-2318	-221.748	6.747	4.681	14.239	6731.318
5109_5110	5109	5110	2322.623	247.062	-6.747	-4.681	-78.355	-8979.48
5110_5110	5110	5110	154.217	538.068	0.011	-20.238	8.791	29837.53
5110_5111	5110	5111	-137.925	-499.404	-0.011	20.239	-8.927	-23338.8
5111_5111	5111	5111	124.061	504.465	-0.073	19.525	4.784	23336.87
5111_5112	5111	5112	-108.241	-468.095	0.073	-19.525	-3.866	-17263.9
5112_5112	5112	5112	92.811	437.022	0.117	-3.203	5.795	17263.13
5112_5113	5112	5113	-79.75	-400.18	-0.117	3.203	-7.355	-11718.7
5113_5113	5113	5113	510.569	398.891	-0.15	4.091	13.82	9343.26
5113_5114	5113	5114	-515.709	-369.1	0.15	-4.096	-12.051	-4879.91
5114_5114	5114	5114	507.412	330.53	-0.017	0.676	12.157	4880.85
5114_5115	5114	5115	-495.683	-309.963	0.017	-0.679	-12.014	-2311.45
5115_5115	5115	5115	550.801	312.613	-0.05	-0.036	11.87	1867.432
5115_5116	5115	5116	-507.591	-279.079	0.05	0.036	-11.161	2142.72
5116_5116	5116	5116	507.591	238.197	-0.247	3.731	11.161	-2142.72
5116_5117	5116	5117	-475.308	-211.799	0.247	-3.731	-8.396	4513.359
5117_5117	5117	5117	475.308	211.799	-0.29	-3.521	8.396	-4513.36
5117_5118	5117	5118	-443.026	-185.402	0.29	3.521	-5.143	6587.994
5118_5118	5118	5118	443.026	146.516	0.007	4.898	5.143	-6588

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5118_5119	5118	5119	-411.351	-120.12	-0.007	-4.898	-5.222	7933.258
5119_5119	5119	5119	411.351	120.12	-0.036	-4.773	5.222	-7933.26
5119_5120	5119	5120	-379.677	-93.724	0.036	4.773	-4.814	8982.557
5120_5120	5120	5120	379.677	53.307	-0.154	14.275	4.814	-8982.55
5120_5121	5120	5121	-346.566	-24.933	0.154	-14.275	-2.957	9297.457
5121_5121	5121	5121	346.565	24.933	-0.275	-14.186	2.957	-9297.46
5121_5122	5121	5122	-313.482	3.416	0.275	14.186	0.351	9270.591
5122_5122	5122	5122	313.482	-43.101	-0.111	4.448	-0.351	-9270.6
5122_5123	5122	5123	-283.357	69.496	0.111	-4.448	1.592	8496.725
5123_5123	5123	5123	283.357	-69.496	-0.154	-4.441	-1.592	-8496.73
5123_5124	5123	5124	-253.233	95.89	0.154	4.441	3.32	7426.962
5124_5124	5124	5124	253.226	-133.986	0.001	5.701	-3.32	-7426.93
5124_5125	5124	5125	-223.621	160.381	-0.001	-5.701	3.311	5636.448
5125_5125	5125	5125	223.62	-160.381	-0.086	-5.758	-3.311	-5636.45
5125_5126	5125	5126	-194.015	186.774	0.086	5.758	4.275	3550.105
5126_5126	5126	5126	194.008	-222.454	-0.492	-0.089	-4.275	-3550.1
5126_5127	5126	5127	-157.468	254.639	0.492	0.089	11.004	115.633
5127_5127	5127	5127	161.236	-252.811	-0.553	-0.043	-11.048	-73.858
5127_5128	5127	5128	-138.719	271.748	0.553	0.043	15.614	-2193.85
5128_5128	5128	5128	145.887	-305.364	1.307	-4.938	-15.782	2194.535
5128_5129	5128	5129	-119.349	332.676	-1.307	4.94	0.415	-6086.23
5129_5129	5129	5129	120.277	-328.087	1.127	9.073	-2.552	6133.592
5129_5130	5129	5130	-109.831	363.858	-1.127	-9.065	-12.411	-10829.3
5130_5130	5130	5130	123.613	-397.72	-3.439	-7.527	11.207	10831.52
5130_5131	5130	5131	-124.8	433.073	3.439	7.515	31.953	-16114.8
5131_5131	5131	5131	136.871	-427.665	-3.482	7.666	-30.464	16118.08
5131_5132	5131	5132	-144.815	465.219	3.482	-7.679	74.286	-21787.8
5132_5132	5132	5132	-1926.91	227.154	23.116	9.682	-285.838	5869.491
5132_5133	5132	5133	1929.142	-202.684	-23.116	-9.682	66.238	-3839.05
5133_5133	5133	5133	-1937.42	202.684	25.857	15.451	-66.09	3879.595
5133_5134	5133	5134	1939.594	-184.434	-25.857	-15.451	-134.305	-2390.46
5134_5134	5134	5134	-1939.75	184.434	-1.402	-23.319	134.305	2390.413
5134_5135	5134	5135	1941.931	-166.158	1.402	23.319	-123.426	-1040.99
5135_5135	5135	5135	-1941.91	118.209	-3.435	-0.702	123.426	1041.341
5135_5136	5135	5136	1943.736	-99.368	3.435	0.702	-95.948	-180.565
5136_5136	5136	5136	-1943.74	99.368	-0.791	0.413	95.948	180.565
5136_5137	5136	5137	1945.564	-80.528	0.791	-0.413	-89.621	529.468
5137_5137	5137	5137	-1945.56	80.528	-3.464	0.125	89.621	-529.468
5137_5138	5137	5138	1947.383	-61.711	3.464	-0.125	-61.939	1088.173
5138_5138	5138	5138	-1947.39	16.486	-3.312	0.172	61.939	-1088.29
5138_5139	5138	5139	1949.162	-2.355	3.312	-0.172	-42.068	1136.087
5139_5139	5139	5139	-1949.16	2.355	0.213	-0.324	42.068	-1136.09
5139_5140	5139	5140	1950.932	11.775	-0.213	0.324	-43.347	1099.094
5140_5140	5140	5140	-1950.93	-11.775	-3.312	0.05	43.347	-1099.09
5140_5141	5140	5141	1952.698	25.906	3.312	-0.05	-23.475	977.311
5141_5141	5141	5141	-1952.7	-25.906	0.213	-0.061	23.475	-977.312
5141_5142	5141	5142	1954.468	40.036	-0.213	0.061	-24.754	770.745
5142_5142	5142	5142	-1954.47	-84.439	-2.212	-0.049	24.754	-770.859
5142_5143	5142	5143	1957.235	103.279	2.212	0.049	-7.058	6.735
5143_5143	5143	5143	-1957.24	-103.279	-2.212	-0.049	7.058	-6.735
5143_5144	5143	5144	1960	122.12	2.212	0.049	10.638	-908.122
5144_5144	5144	5144	-1960	-122.12	-2.212	-0.049	-10.638	908.122
5144_5145	5144	5145	1962.766	140.961	2.212	0.049	28.334	-1973.71

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5145_5145	5145	5145	-1962.76	-181.624	-0.845	2.196	-28.334	1973.623
5145_5146	5145	5146	1965.957	199.876	0.845	-2.196	34.883	-3466.91
5146_5146	5146	5146	-1965.96	-199.876	-0.845	2.196	-34.883	3466.91
5146_5147	5146	5147	1969.152	218.127	0.845	-2.196	41.432	-5101.66
5147_5147	5147	5147	-1955.84	-218.122	-3.499	-5.613	-41.362	5036.709
5147_5148	5147	5148	1959.36	242.594	3.499	5.613	74.607	-7241.64
5148_5148	5148	5148	127.746	449.581	0.018	-8.807	-8.918	23493.7
5148_5149	5148	5149	-106.953	-412.182	-0.018	8.803	8.698	-18089.9
5149_5149	5149	5149	95.393	417.574	-0.022	8.131	-10.453	18087.41
5149_5150	5149	5150	-76.211	-382.417	0.022	-8.135	10.728	-13078.5
5150_5150	5150	5150	63.411	355.978	0.111	-0.627	-9.933	13077.02
5150_5151	5150	5151	-49.377	-320.395	-0.111	0.626	8.462	-8580.58
5151_5151	5151	5151	577.505	317.62	0.032	0.273	-7.066	5693.266
5151_5152	5151	5152	-580.613	-289.471	-0.032	-0.274	6.688	-2192.07
5152_5152	5152	5152	574.03	252.909	0.106	-0.066	-6.674	2192.724
5152_5153	5152	5153	-558.664	-233.487	-0.106	0.067	5.802	-273.135
5153_5153	5153	5153	590.657	236.673	0.107	0.034	-5.851	104.472
5153_5154	5153	5154	-543.26	-205.321	-0.107	-0.034	4.38	2724.41
5154_5154	5154	5154	543.26	163.692	0.106	0.018	-4.38	-2724.41
5154_5155	5154	5155	-506.638	-138.592	-0.106	-0.018	3.214	4226.733
5155_5155	5155	5155	506.638	138.592	0.106	0.018	-3.214	-4226.73
5155_5156	5155	5156	-470.016	-113.492	-0.106	-0.018	2.049	5452.939
5156_5156	5156	5156	470.018	73.855	0.038	-0.017	-2.049	-5452.94
5156_5157	5156	5157	-436.691	-51.014	-0.038	0.017	1.673	5932.121
5157_5157	5157	5157	436.691	51.014	0.038	0.076	-1.673	-5932.12
5157_5158	5157	5158	-403.398	-28.196	-0.038	-0.076	1.292	6182.51
5158_5158	5158	5158	403.39	-9.771	0.092	-3.83	-1.292	-6182.49
5158_5159	5158	5159	-370.216	32.612	-0.092	3.83	0.367	5825.281
5159_5159	5159	5159	370.216	-32.612	0.146	3.88	-0.367	-5825.28
5159_5160	5159	5160	-337.042	55.453	-0.146	-3.88	-1.097	5239.422
5160_5160	5160	5160	337.042	-95.619	0.117	0.029	1.097	-5239.45
5160_5161	5160	5161	-300.583	120.719	-0.117	-0.029	-2.386	3890.247
5161_5161	5161	5161	300.583	-120.719	0.117	0.029	2.386	-3890.25
5161_5162	5161	5162	-264.125	145.819	-0.117	-0.029	-3.675	2264.932
5162_5162	5162	5162	264.137	-184.365	-0.101	-0.048	3.675	-2264.91
5162_5163	5162	5163	-217.378	215.718	0.101	0.048	-2.283	-687.981
5163_5163	5163	5163	221.092	-213.295	-0.144	0.177	2.253	682.647
5163_5164	5163	5164	-194.069	232.761	0.144	-0.179	-1.062	-2643.08
5164_5164	5164	5164	200.521	-268.704	0.181	2.936	1.156	2643.767
5164_5165	5164	5165	-166.511	296.8	-0.181	-2.931	-3.281	-6137.39
5165_5165	5165	5165	153.549	-291.305	0.34	-4.344	2.512	6254.414
5165_5166	5165	5166	-133.091	327.538	-0.34	4.348	-7.02	-10521.6
5166_5166	5166	5166	145.871	-359.358	0.193	-6.529	6.716	10524.03
5166_5167	5166	5167	-139.668	395.095	-0.193	6.525	-9.143	-15389.2
5167_5167	5167	5167	150.787	-388.633	0.149	7.011	10.579	15392.71
5167_5168	5167	5168	-155.009	426.519	-0.149	-7.015	-12.459	-20630.7
5168_5168	5168	5168	-1830.64	246.436	-1.354	-2.494	9.682	6145.596
5168_5169	5168	5169	1835.436	-221.63	1.354	2.494	3.186	-3943.68
5169_5169	5169	5169	-1842.77	221.622	1.195	3.066	-2.961	3979.479
5169_5170	5169	5170	1847.053	-202.891	-1.195	-3.066	-6.291	-2355.85
5170_5170	5170	5170	-1847.05	202.891	-1.437	-0.656	6.291	2355.851
5170_5171	5170	5171	1851.339	-184.135	1.437	0.656	4.846	-875.37
5171_5171	5171	5171	-1851.33	138.431	1.662	0.445	-4.846	875.236

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5171_5172	5171	5172	1855.984	-119.071	-1.662	-0.445	-8.45	134.035
5172_5172	5172	5172	-1855.98	119.071	-0.915	-0.221	8.45	-134.035
5172_5173	5172	5173	1860.641	-99.711	0.915	0.221	-1.132	988.428
5173_5173	5173	5173	-1860.64	99.711	-0.915	-0.221	1.132	-988.428
5173_5174	5173	5174	1865.297	-80.351	0.915	0.221	6.186	1687.929
5174_5174	5174	5174	-1865.3	32.549	1.966	-0.802	-6.186	-1688.06
5174_5175	5174	5175	1869.083	-18.029	-1.966	0.802	-5.609	1823.097
5175_5175	5175	5175	-1869.08	18.029	-1.47	0.871	5.609	-1823.1
5175_5176	5175	5176	1872.865	-3.509	1.47	-0.871	3.21	1871.014
5176_5176	5176	5176	-1872.87	3.509	1.966	-0.811	-3.21	-1871.01
5176_5177	5176	5177	1876.647	11.011	-1.966	0.811	-8.584	1831.805
5177_5177	5177	5177	-1876.65	-11.011	-1.47	0.736	8.584	-1831.81
5177_5178	5177	5178	1880.429	25.531	1.47	-0.736	0.235	1705.468
5178_5178	5178	5178	-1880.43	-73.426	-0.481	-0.375	-0.235	-1705.61
5178_5179	5178	5179	1885.791	92.787	0.481	0.375	4.081	1017.286
5179_5179	5179	5179	-1885.79	-92.787	-0.481	-0.375	-4.081	-1017.29
5179_5180	5179	5180	1891.148	112.147	0.481	0.375	7.928	174.072
5180_5180	5180	5180	-1891.15	-112.147	2.096	0.731	-7.928	-174.072
5180_5181	5180	5181	1896.504	131.507	-2.096	-0.731	-8.839	-824.02
5181_5181	5181	5181	-1896.5	-175.733	-1.607	-0.89	8.839	824.034
5181_5182	5181	5182	1902.281	194.489	1.607	0.89	3.62	-2283.82
5182_5182	5182	5182	-1902.28	-194.489	1.052	3.572	-3.62	2283.817
5182_5183	5182	5183	1908.063	213.244	-1.052	-3.572	-4.535	-3888.94
5183_5183	5183	5183	-1894.98	-213.235	-1.533	-2.838	4.708	3825.087
5183_5184	5183	5184	1901.732	238.042	1.533	2.838	9.854	-5998
5184_5184	5184	5184	138.04	442.395	-0.056	7.398	-9.154	20509.77
5184_5185	5184	5185	-111.56	-404.797	0.056	-7.397	9.857	-15177.7
5185_5185	5185	5185	100.114	411.85	0	-6.982	-8.326	15174.87
5185_5186	5185	5186	-76.72	-376.458	0	6.983	8.326	-10217.9
5186_5186	5186	5186	63.742	347.284	-0.372	-0.496	-8.907	10216.26
5186_5187	5186	5187	-48.253	-311.37	0.372	0.493	13.841	-5812.78
5187_5187	5187	5187	554.407	310.658	0.075	0.264	-1.979	3043.887
5187_5188	5187	5188	-560.679	-281.286	-0.075	-0.259	1.103	396.841
5188_5188	5188	5188	554.19	241.317	-0.043	-0.002	-1.094	-395.817
5188_5189	5188	5189	-543.326	-221.039	0.043	0	1.452	2234.783
5189_5189	5189	5189	561.647	224.701	-0.051	-0.056	-1.364	-2231.8
5189_5190	5189	5190	-525.476	-190.443	0.051	0.056	2.06	4928.409
5190_5190	5190	5190	525.475	146.614	0.207	-0.03	-2.06	-4928.41
5190_5191	5190	5191	-496.405	-119.207	-0.207	0.03	-0.219	6264.08
5191_5191	5191	5191	496.405	119.207	0.207	-0.03	0.219	-6264.08
5191_5192	5191	5192	-467.334	-91.801	-0.207	0.03	-2.497	7298.262
5192_5192	5192	5192	467.345	48.892	-0.169	0.043	2.497	-7298.27
5192_5193	5192	5193	-440.498	-23.928	0.169	-0.043	-0.806	7546.588
5193_5193	5193	5193	440.498	23.928	-0.169	-0.07	0.806	-7546.59
5193_5194	5193	5194	-413.624	1.062	0.169	0.07	0.893	7544.615
5194_5194	5194	5194	413.603	-42.374	0.159	-0.015	-0.893	-7544.62
5194_5195	5194	5195	-386.634	67.363	-0.159	0.015	-0.705	6877.404
5195_5195	5195	5195	386.634	-67.363	0.159	-0.015	0.705	-6877.4
5195_5196	5195	5196	-359.665	92.353	-0.159	0.015	-2.303	5959.522
5196_5196	5196	5196	359.672	-136.344	-0.024	-0.016	2.303	-5959.52
5196_5197	5196	5197	-329.944	163.751	0.024	0.016	-2.04	4180.365
5197_5197	5197	5197	329.944	-163.751	-0.024	-0.016	2.04	-4180.37
5197_5198	5197	5198	-300.215	191.157	0.024	0.016	-1.777	2099.719

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5198_5198	5198	5198	300.218	-234.163	0.027	-0.01	1.777	-2099.72
5198_5199	5198	5199	-261.693	268.396	-0.027	0.01	-2.154	-1519.26
5199_5199	5199	5199	264.854	-265.404	0.025	-0.011	2.065	1444.663
5199_5200	5199	5200	-241.509	286.615	-0.025	0.01	-2.272	-3832.26
5200_5200	5200	5200	249.432	-327.654	-0.006	0.888	2.303	3833.12
5200_5201	5200	5201	-220.159	358.27	0.006	-0.884	-2.235	-8021.34
5201_5201	5201	5201	216.103	-351.017	0.073	-1.298	4.316	8105.55
5201_5202	5201	5202	-202.187	391.608	-0.073	1.305	-5.281	-13161
5202_5202	5202	5202	217.521	-429.724	-0.092	8.289	6.123	13164.08
5202_5203	5202	5203	-214.477	469.593	0.092	-8.293	-4.966	-18911.9
5203_5203	5203	5203	227.617	-461.548	-0.04	-8.528	3.212	18916.38
5203_5204	5203	5204	-232.546	503.57	0.04	8.523	-2.705	-25079
5204_5204	5204	5204	-2098.77	268.606	-2.31	2.3	84.602	7593.005
5204_5205	5204	5205	2101.623	-240.741	2.31	-2.3	-62.656	-5187.45
5205_5205	5205	5205	-2104.08	240.74	-4.927	-3.521	63.887	4941.768
5205_5206	5205	5206	2106.685	-219.489	4.927	3.521	-25.7	-3170.71
5206_5206	5206	5206	-2106.69	219.489	-1.861	1.409	25.7	3170.71
5206_5207	5206	5207	2109.291	-198.238	1.861	-1.409	-11.279	-1564.38
5207_5207	5207	5207	-2109.28	150.925	-3.649	0.067	11.279	1564.376
5207_5208	5207	5208	2112.276	-128.988	3.649	-0.067	17.914	-458.663
5208_5208	5208	5208	-2112.28	128.988	-3.649	0.067	-17.914	458.663
5208_5209	5208	5209	2115.267	-107.052	3.649	-0.067	47.106	471.549
5209_5209	5209	5209	-2115.27	107.052	-3.649	0.067	-47.106	-471.549
5209_5210	5209	5210	2118.259	-85.116	3.649	-0.067	76.299	1226.26
5210_5210	5210	5210	-2118.3	36.462	1.349	-0.235	-76.299	-1226.26
5210_5211	5210	5211	2120.927	-20.01	-1.349	0.235	68.204	1383.659
5211_5211	5211	5211	-2120.93	20.01	-2.612	0.538	-68.204	-1383.66
5211_5212	5211	5212	2123.553	-3.558	2.612	-0.538	83.876	1442.336
5212_5212	5212	5212	-2123.55	3.558	1.349	-0.259	-83.876	-1442.34
5212_5213	5212	5213	2126.179	12.894	-1.349	0.259	75.782	1402.3
5213_5213	5213	5213	-2126.18	-12.894	-2.612	0.397	-75.782	-1402.3
5213_5214	5213	5214	2128.805	29.346	2.612	-0.397	91.454	1263.539
5214_5214	5214	5214	-2128.87	-77.77	1.731	0.315	-91.454	-1263.44
5214_5215	5214	5215	2132.86	99.706	-1.731	-0.315	77.607	535.494
5215_5215	5215	5215	-2132.86	-99.706	4.701	1.04	-77.607	-535.496
5215_5216	5215	5216	2136.851	121.642	-4.701	-1.04	39.993	-367.934
5216_5216	5216	5216	-2136.86	-121.642	1.731	-0.892	-39.993	367.935
5216_5217	5216	5217	2140.851	143.578	-1.731	0.892	26.146	-1446.88
5217_5217	5217	5217	-2140.87	-189.418	2.086	-16.608	-26.146	1446.722
5217_5218	5217	5218	2145.195	210.641	-2.086	16.608	10.001	-3014.33
5218_5218	5218	5218	-2145.19	-210.641	5.188	-10.972	-10.001	3014.343
5218_5219	5218	5219	2149.518	231.892	-5.188	10.972	-30.209	-4748.55
5219_5219	5219	5219	-2141.17	-231.889	19.713	28.653	30.297	4970.979
5219_5220	5219	5220	2146.264	259.752	-19.713	-28.653	-217.568	-7329.56
5220_5220	5220	5220	200.579	513.66	0.524	-35.17	-1.45	24707.44
5220_5221	5220	5221	-178.522	-471.929	-0.524	35.175	-5.144	-18504
5221_5221	5221	5221	165.206	479.848	0.364	34.477	-2.21	18500.46
5221_5222	5221	5222	-145.051	-440.322	-0.364	-34.473	-2.362	-12722.6
5222_5222	5222	5222	129.675	403.511	0.841	-2.552	5.648	12720.76
5222_5223	5222	5223	-114.794	-363.239	-0.841	2.497	-16.805	-7614.37
5223_5223	5223	5223	622.463	362.855	0.509	2.38	-1.123	4770.345
5223_5224	5223	5224	-624.332	-330.689	-0.509	-2.403	-4.862	-756.399
5224_5224	5224	5224	616.573	283.715	0.233	11.942	4.779	757.498

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5224_5225	5224	5225	-600.343	-261.465	-0.233	-11.937	-6.698	1400.499
5225_5225	5225	5225	573.786	265.785	0.018	-8.734	7.072	-1202.39
5225_5226	5225	5226	-527.246	-222.599	-0.018	8.734	-7.355	4769.072
5226_5226	5226	5226	527.237	169.019	0.799	20.004	7.355	-4769.02
5226_5227	5226	5227	-491.203	-135.871	-0.799	-20.004	-16.821	6418.325
5227_5227	5227	5227	491.209	135.871	0.574	-19.554	16.821	-6418.33
5227_5228	5227	5228	-455.171	-102.719	-0.574	19.554	-23.623	7674.821
5228_5228	5228	5228	454.996	49.695	0.388	21.296	23.623	-7673.37
5228_5229	5228	5229	-418.744	-14.465	-0.388	-21.296	-28.226	7895.214
5229_5229	5229	5229	418.737	14.632	0.163	-21.088	28.226	-7895.21
5229_5230	5229	5230	-384.716	20.603	-0.163	21.088	-30.164	7710.146
5230_5230	5230	5230	384.65	-74.755	-0.26	12.517	30.164	-7708.9
5230_5231	5230	5231	-350.265	110.975	0.26	-12.517	-26.993	6425.496
5231_5231	5231	5231	350.262	-110.804	-0.435	-13.066	26.993	-6425.49
5231_5232	5231	5232	-318.235	147.029	0.435	13.066	-21.689	4711.771
5232_5232	5232	5232	317.928	-202.543	4.584	5.295	21.689	-4710.98
5232_5233	5232	5233	-295.384	229.852	-4.584	-5.295	-63.817	2623.71
5233_5233	5233	5233	304.403	-226.967	5.33	-0.345	68.4	-2655.89
5233_5234	5233	5234	-287.361	247.874	-5.33	0.396	-105.116	942.741
5234_5234	5234	5234	291.421	-243.199	5.208	-5.567	105.009	-942.019
5234_5235	5234	5235	-272.625	266.869	-5.208	5.717	-145.332	-1124.89
5235_5235	5235	5235	279.318	-307.406	-4.433	-7.215	145.259	1124.829
5235_5236	5235	5236	-266.286	323.973	4.433	7.047	-121.452	-2890.99
5236_5236	5236	5236	226.311	-319.893	-6.326	-1.844	200.497	3132.575
5236_5237	5236	5237	-218.906	351.506	6.326	1.425	-146.967	-6047.86
5237_5237	5237	5237	224.743	-346.744	-6.413	11.417	148.027	6049.517
5237_5238	5237	5238	-222.451	371.803	6.413	-11.82	-105.676	-8475.79
5238_5238	5238	5238	233.146	-418.315	-2.468	-17.987	103.349	8476.054
5238_5239	5238	5239	-234.182	456.602	2.468	17.873	-78.977	-12869.2
5239_5239	5239	5239	259.405	-438.834	-2.567	12.875	82.989	12879.61
5239_5240	5239	5240	-270.021	481.642	2.567	-13.05	-55.56	-17871.5
5240_5240	5240	5240	-1925.28	319.064	-69.441	-5.252	1359.508	5821.865
5240_5241	5240	5241	1934.164	-274.412	69.441	5.252	-506.299	-2213.17
5241_5241	5241	5241	-1931.51	274.515	-60.55	6.99	508.799	2199.152
5241_5242	5241	5242	1935.118	-253.538	60.55	-6.99	-154.317	-668.752
5242_5242	5242	5242	-1935.17	253.613	-58.838	8.183	154.317	668.772
5242_5243	5242	5243	1938.538	-230.838	58.838	-8.183	219.654	856.347
5243_5243	5243	5243	-1940.75	187.86	-11.435	3.251	-219.654	-856.923
5243_5244	5243	5244	1948.129	-152.65	11.435	-3.251	332.023	2498.429
5244_5244	5244	5244	-1948.16	152.771	-3.952	-1.724	-332.023	-2498.44
5244_5245	5244	5245	1954.16	-117.696	3.952	1.724	370.712	3796.197
5245_5245	5245	5245	-1953.39	76.973	-15.95	5.897	-370.712	-3795.38
5245_5246	5245	5246	1958.64	-40.634	15.95	-5.897	532.475	4368.592
5246_5246	5246	5246	-1958.67	40.755	-8.399	-4.922	-532.475	-4368.67
5246_5247	5246	5247	1962.271	-6.778	8.399	4.922	612.111	4577.579
5247_5247	5247	5247	-1962.17	-36.426	-5.85	4.936	-612.111	-4576.69
5247_5248	5247	5248	1965.108	69.727	5.85	-4.936	666.481	4069.628
5248_5248	5248	5248	-1965.14	-69.606	1.057	-3.643	-666.481	-4069.52
5248_5249	5248	5249	1966.982	106.621	-1.057	3.643	655.567	3149.618
5249_5249	5249	5249	-1968.09	-146.153	37.576	1.17	-655.567	-3149.26
5249_5250	5249	5250	1968.816	182.387	-37.576	-1.17	275.599	1483.038
5250_5250	5250	5250	-1968.7	-182.265	43.37	0.977	-275.599	-1483.1
5250_5251	5250	5251	1968.066	216.348	-43.37	-0.977	-136.925	-412.267

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5251_5251	5251	5251	-1965.64	-271.204	-25.373	-36.694	136.925	411.037
5251_5252	5251	5252	1965.697	292.875	25.373	36.694	16.527	-2118.46
5252_5252	5252	5252	-1965.74	-292.799	-21.913	-31.11	-16.527	2118.517
5252_5253	5252	5253	1965.258	315.229	21.913	31.11	153.7	-4021.17
5253_5253	5253	5253	-1961.86	-315.129	-16.187	-16.79	-154.436	4004.606
5253_5254	5253	5254	1960.08	349.645	16.187	16.79	308.174	-7156.69
5254_5254	5254	5254	280.872	503.792	-77.582	231.594	-240.183	20496.71
5254_5255	5254	5255	-275.681	-492.739	77.582	-231.713	450.177	-19147.2
5255_5255	5255	5255	258.305	446.133	40.833	-25.619	-416.639	19138.83
5255_5256	5255	5256	-234.65	-396.067	-40.833	25.86	-98.059	-13829.6
5256_5256	5256	5256	225.339	404.372	40.557	38.867	91.491	13825.98
5256_5257	5256	5257	-209.817	-369.343	-40.557	-38.715	-462.088	-10286.5
5257_5257	5257	5257	200.829	319.95	-21.167	-31.935	467.155	10283.59
5257_5258	5257	5258	-190.845	-295.468	21.167	31.954	-329.259	-8275.47
5258_5258	5258	5258	186.203	300.307	-21.337	-10.393	327.248	8274.483
5258_5259	5258	5259	-177.473	-272.686	21.337	10.411	-168.339	-6132.51
5259_5259	5259	5259	118.09	279.056	-21.483	14.532	170.02	6421.826
5259_5260	5259	5260	-113.08	-254.767	21.483	-14.521	-4.905	-4350.56
5260_5260	5260	5260	637.814	207.647	2.185	14.609	-16.754	1680.759
5260_5261	5260	5261	-662.812	-188.251	-2.185	-14.62	3.839	-413.459
5261_5261	5261	5261	660.135	194.404	1.8	-0.042	-3.518	412.798
5261_5262	5261	5262	-680.27	-173.574	-1.8	0.037	-8.015	849.015
5262_5262	5262	5262	705.53	177.918	1.605	-6.097	7.624	-1158.54
5262_5263	5262	5263	-736.521	-138.962	-1.605	6.097	-27.183	3239.584
5263_5263	5263	5263	736.552	76.279	0.835	14.112	27.183	-3239.57
5263_5264	5263	5264	-769.454	-39.782	-0.835	-14.112	-36.72	4060.783
5264_5264	5264	5264	769.443	39.952	0.523	-12.687	36.72	-4060.74
5264_5265	5264	5265	-805.193	-2.765	-0.523	12.687	-42.803	4480.205
5265_5265	5265	5265	805.192	-50.993	0.426	19.956	42.803	-4480.14
5265_5266	5265	5266	-841.441	88.26	-0.426	-19.956	-47.776	3841.526
5266_5266	5266	5266	841.442	-88.09	-0.004	-19.77	47.776	-3841.55
5266_5267	5266	5267	-879.043	124.505	0.004	19.77	-47.729	2808.916
5267_5267	5267	5267	879.12	-180.045	1.61	18.402	47.729	-2808.92
5267_5268	5267	5268	-918.234	216.926	-1.61	-18.402	-66.308	704.143
5268_5268	5268	5268	918.247	-216.756	1.09	-19.069	66.308	-704.139
5268_5269	5268	5269	-959.452	253.532	-1.09	19.069	-78.853	-1807.2
5269_5269	5269	5269	959.473	-306.485	-0.893	5.035	78.853	1807.248
5269_5270	5269	5270	-991.376	334.808	0.893	-5.035	-70.936	-4498.15
5270_5270	5270	5270	991.362	-334.678	-1.208	-5.108	70.936	4498.198
5270_5271	5270	5271	-1024.43	362.884	1.208	5.108	-60.278	-7420.78
5271_5271	5271	5271	946.291	-358.022	-1.714	-6.167	51.321	8073.833
5271_5272	5271	5272	-957.014	380.008	1.714	6.148	-40.352	-10370.5
5272_5272	5272	5272	964.529	-437.072	11.734	-12.118	40.153	10370.12
5272_5273	5272	5273	-959.88	461.433	-11.734	12.179	-122.669	-13497
5273_5273	5273	5273	966.598	-453.39	11.52	-5.086	122.808	13496.37
5273_5274	5273	5274	-946.926	476.478	-11.52	5.178	-198.284	-16555.8
5274_5274	5274	5274	839.795	-469.579	11.903	13.177	185.868	17250.38
5274_5275	5274	5275	-795.118	514.419	-11.903	-12.888	-318.733	-22808.8
5275_5275	5275	5275	810.018	-568.146	-45.626	-44.688	315.179	22812.99
5275_5276	5275	5276	-759.806	609.139	45.626	43.568	134.824	-28729.2
5276_5276	5276	5276	772.231	-599.434	-46.042	41.229	-127.813	28729.51
5276_5277	5276	5277	-725.051	640.562	46.042	-42.472	568.518	-34787.4
5277_5277	5277	5277	386.892	-699.214	73.054	-70.629	-1052.84	37571.35

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5277_5278	5277	5278	-389.911	732.921	-73.054	70.163	485.898	-43176.4
5278_5278	5278	5278	-3053.29	451.825	35.644	10.081	-198.213	14816.92
5278_5279	5278	5279	3065.375	-415.204	-35.644	-10.081	-140.075	-10751.7
5279_5279	5279	5279	-3071.98	415.286	45.94	48.358	142.416	11053.11
5279_5280	5279	5280	3079.909	-391.659	-45.94	-48.358	-442.553	-8450.31
5280_5280	5280	5280	-3081.61	319.115	-57.78	-8.642	442.553	8451.604
5280_5281	5280	5281	3090.271	-276.937	57.78	8.642	231.327	-5011.61
5281_5281	5281	5281	-3090.43	277.091	-48.917	6.353	-231.327	5011.695
5281_5282	5281	5282	3097.494	-232.212	48.917	-6.353	838.365	-1881.17
5282_5282	5282	5282	-3146.23	180.554	4.979	-1.419	-851.575	2111.464
5282_5283	5282	5283	3157.626	-142.113	-4.979	1.419	789.898	-160.902
5283_5283	5283	5283	-3157.58	142.242	15.366	1.406	-789.898	160.814
5283_5284	5283	5284	3166.681	-105.988	-15.366	-1.406	610.357	1250.47
5284_5284	5284	5284	-3166.83	-9.176	13.192	0.368	-610.357	-1250.56
5284_5285	5284	5285	3169.904	44.162	-13.192	-0.368	461.616	936.557
5285_5285	5285	5285	-3169.84	-44.048	21.173	0.353	-461.616	-936.682
5285_5286	5285	5286	3171.322	75.291	-21.173	-0.353	248.429	329.002
5286_5286	5286	5286	-3171.32	-158.433	37.833	-3.235	-248.429	-328.76
5286_5287	5286	5287	3174.082	193.837	-37.833	3.235	-183.257	-1693.56
5287_5287	5287	5287	-3173.93	-193.715	49.352	6.149	183.257	1693.562
5287_5288	5287	5288	3175.174	229.301	-49.352	-6.149	-749.266	-4125.87
5288_5288	5288	5288	-3176.52	-231.899	-31.667	-21.899	749.266	4126.011
5288_5289	5288	5289	3177.384	244.306	31.667	21.899	-622.637	-5082.18
5289_5289	5289	5289	-3169.09	-244.235	-26.924	-10.745	622.939	4763.46
5289_5290	5289	5290	3170.218	276.012	26.924	10.745	-367.163	-7240.32
5290_5290	5290	5290	296.184	969.235	-22.838	12.96	90.785	32195.96
5290_5291	5290	5291	-281.414	-929.595	22.838	-13.093	147.771	-22311.9
5291_5291	5291	5291	249.08	848.109	1.52	-30.608	-143.435	22311.05
5291_5292	5291	5292	-233.681	-808.494	-1.52	30.646	126.936	-13355.4
5292_5292	5292	5292	212.239	815.925	1.364	31.029	-130.927	13353.25
5292_5293	5292	5293	-199.808	-781.413	-1.364	-31.004	117.656	-5613.27
5293_5293	5293	5293	179.993	696.446	3.7	-4.636	-115.678	5612.864
5293_5294	5293	5294	-172.358	-670.963	-3.7	4.631	88.683	-643.353
5294_5294	5294	5294	134.39	675.819	3.585	3.669	-86.54	766.649
5294_5295	5294	5295	-128.665	-652.516	-3.585	-3.671	59.167	4286.613
5295_5295	5295	5295	119.927	655.433	3.484	-0.222	-59.109	-4286.86
5295_5296	5295	5296	-116.918	-630.454	-3.484	0.222	30.538	9547.245
5296_5296	5296	5296	17.182	554.294	2.018	17.625	-13.169	-8987.57
5296_5297	5296	5297	-17.946	-541.71	-2.018	-17.625	4.795	11266.41
5297_5297	5297	5297	66.481	541.799	2.132	10.646	-10.278	-11539.8
5297_5298	5297	5298	-67.773	-509.512	-2.132	-10.646	-9.466	16417.61
5298_5298	5298	5298	67.78	509.592	2.044	-20.189	9.466	-16417.6
5298_5299	5298	5299	-69.867	-477.646	-2.044	20.189	-28.2	20954.21
5299_5299	5299	5299	69.798	402.087	-0.059	47.714	28.2	-20955.6
5299_5300	5299	5300	-72.234	-361.426	0.059	-47.714	-27.515	25423.49
5300_5300	5300	5300	72.22	361.53	-0.201	-38.31	27.515	-25423.4
5300_5301	5300	5301	-76.234	-318.327	0.201	38.31	-25.018	29658.94
5301_5301	5301	5301	76.226	238.7	-0.187	58.228	25.018	-29661.3
5301_5302	5301	5302	-81.043	-195.101	0.187	-58.228	-22.674	32400.27
5302_5302	5302	5302	81.062	195.206	-0.329	-54.942	22.674	-32400.4
5302_5303	5302	5303	-86.836	-154.973	0.329	54.942	-18.878	34451.58
5303_5303	5303	5303	86.822	77.129	1.634	68.997	18.878	-34453.8
5303_5304	5303	5304	-93.567	-31.774	-1.634	-68.997	-40.146	35197.39

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5304_5304	5304	5304	93.612	31.879	1.475	-72.318	40.146	-35197.6
5304_5305	5304	5305	-100.611	6.627	-1.475	72.318	-56.437	35372.83
5305_5305	5305	5305	100.572	-84.279	-0.317	55.445	56.437	-35375.3
5305_5306	5305	5306	-108.269	126.302	0.317	-55.445	-52.613	34145
5306_5306	5306	5306	108.27	-126.198	-0.437	-48.003	52.613	-34145
5306_5307	5306	5307	-117.299	167.968	0.437	48.003	-47.379	32427.85
5307_5307	5307	5307	117.315	-247.021	1.758	57.784	47.379	-32430.1
5307_5308	5307	5308	-126.666	288.438	-1.758	-57.784	-68.273	29295.72
5308_5308	5308	5308	126.667	-288.333	1.613	-50.344	68.273	-29295.7
5308_5309	5308	5309	-137.647	330.766	-1.613	50.344	-87.906	25581.95
5309_5309	5309	5309	137.679	-399.039	1.932	37.417	87.906	-25583.5
5309_5310	5309	5310	-147.997	441.034	-1.932	-37.417	-111.185	20573.95
5310_5310	5310	5310	148.013	-440.929	1.796	-32.835	111.185	-20574
5310_5311	5310	5311	-159.668	482.749	-1.796	32.835	-132.728	15090.23
5311_5311	5311	5311	159.545	-579.531	-5.585	13.778	132.728	-15090.8
5311_5312	5311	5312	-177.283	623.451	5.585	-13.778	-62.359	7599.206
5312_5312	5312	5312	177.275	-623.349	-5.757	-16.522	62.359	-7599.34
5312_5313	5312	5313	-193.735	661.101	5.757	16.522	0	724.45
5400_5020	5400	5020	2687.997	-244.248	21.885	0.868	-352.887	-3537.18
5400_5401	5400	5401	-2689.05	248.228	-21.885	-0.868	263.413	2530.47
5401_5401	5401	5401	2685.951	-244.531	22.625	-1.31	-257.117	-2530.55
5401_5402	5401	5402	-2686.86	247.924	-22.625	1.31	178.19	1671.592
5402_5402	5402	5402	2692.07	-183.38	17.615	-0.208	-179.1	-1671.5
5402_5403	5402	5403	-2695.16	193.932	-17.615	0.208	-13.28	-388.903
5403_5403	5403	5403	2691.695	-115.921	0.378	-0.76	11.493	388.901
5403_5404	5403	5404	-2693.95	122.816	-0.378	0.76	-14.22	-1249.07
5404_5404	5404	5404	2696.051	-61.296	-1.726	-0.102	14.546	1249.068
5404_5405	5404	5405	-2698.47	68.15	1.726	0.102	-2.088	-1716.29
5405_5405	5405	5405	2698.127	22.032	0.405	-0.405	1.171	1716.294
5405_5406	5405	5406	-2703.43	-8.527	-0.405	0.405	-7.004	-1496.08
5406_5406	5406	5406	2703.169	99.525	0.435	-0.729	6.193	1496.081
5406_5407	5406	5407	-2706.72	-91.345	-0.435	0.729	-10.044	-650.688
5407_5407	5407	5407	2704.204	148.184	-3.583	0.003	10.46	650.682
5407_5408	5407	5408	-2706.66	-142.845	3.583	-0.003	9.442	157.587
5408_5408	5408	5408	2683.694	-431.183	0.278	-1.202	-10.29	-157.587
5408_5409	5408	5409	-2684.39	434.298	-0.278	1.202	9.45	-1148.58
5409_5409	5409	5409	2679.68	416.611	7.008	0.24	-9.233	1149.241
5409_5410	5409	5410	-2678.98	-413.484	-7.008	-0.24	-11.995	107.969
5410_5410	5410	5410	2702.967	-161.797	-2.068	-0.034	11.88	-107.942
5410_5411	5410	5411	-2700.51	167.134	2.068	0.034	-0.393	-805.442
5411_5411	5411	5411	2703.427	-110.413	0.751	-0.867	0.751	805.441
5411_5412	5411	5412	-2699.87	118.59	-0.751	0.867	-7.406	-1819.51
5412_5412	5412	5412	2705.699	-27.231	0.161	-0.555	6.692	1819.533
5412_5413	5412	5413	-2700.39	40.74	-0.161	0.555	-9.01	-2309.46
5413_5413	5413	5413	2705.989	48.415	-1.179	0.332	8.25	2309.503
5413_5414	5413	5414	-2703.57	-41.565	1.179	-0.332	0.256	-1984.94
5414_5414	5414	5414	2701.919	103.298	1.048	-1.319	0.295	1984.944
5414_5415	5414	5415	-2699.66	-96.408	-1.048	1.319	-7.845	-1265.89
5415_5415	5415	5415	2704.798	174.676	-7.889	-0.41	8.905	1265.891
5415_5416	5415	5416	-2701.71	-164.124	7.889	0.41	77.254	584.144
5416_5416	5416	5416	2696.866	229.893	-16.758	-0.494	-76.717	-584.215
5416_5417	5416	5417	-2695.96	-226.495	16.758	0.494	135.256	1381.329
5417_5417	5417	5417	2699.806	224.226	-29.864	-1.487	-137.632	-1381.22

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5417_5036	5417	5036	-2698.76	-220.271	29.864	1.487	259.003	2284.481
5420_5056	5420	5056	2231.523	-227.854	13.697	0.951	-151.373	-3791.44
5420_5421	5420	5421	-2232.45	231.387	-13.697	-0.951	95.287	2851.233
5421_5421	5421	5421	2228.924	-228.123	8.052	0.004	-92.192	-2851.24
5421_5422	5421	5422	-2229.73	231.128	-8.052	-0.004	64.118	2050.602
5422_5422	5422	5422	2234.633	-177.582	6.77	0.338	-64.453	-2050.59
5422_5423	5422	5423	-2237.37	186.928	-6.77	-0.338	-9.449	60.965
5423_5423	5423	5423	2235.281	-124.012	0.618	0.075	7.791	-60.969
5423_5424	5423	5424	-2237.28	130.129	-0.618	-0.075	-12.246	-855.647
5424_5424	5424	5424	2239.735	-77.046	-1.155	0.471	12.486	855.643
5424_5425	5424	5425	-2241.88	83.109	1.155	-0.471	-4.16	-1432.81
5425_5425	5425	5425	2241.899	-10.502	-0.193	0.293	4.144	1432.813
5425_5426	5425	5426	-2246.6	22.474	0.193	-0.293	-1.367	-1670.55
5426_5426	5426	5426	2246.408	53.459	1.79	-0.585	0.845	1670.551
5426_5427	5426	5427	-2249.56	-46.217	-1.79	0.585	-16.69	-1229.34
5427_5427	5427	5427	2248.14	92.197	-3.235	1.771	17.913	1229.324
5427_5428	5427	5428	-2250.33	-87.434	3.235	-1.771	0.07	-730.117
5428_5428	5428	5428	2225.517	-389.424	1.743	-0.304	-0.528	730.121
5428_5429	5428	5429	-2226.14	392.203	-1.743	0.304	-4.737	-1910.3
5429_5429	5429	5429	2227.219	398.822	-4.983	0.703	4.647	1912.313
5429_5430	5429	5430	-2226.6	-396.034	4.983	-0.703	10.445	-708.546
5430_5430	5430	5430	2254.045	-84.575	1.462	0.064	-9.161	708.541
5430_5431	5430	5431	-2251.86	89.329	-1.462	-0.064	1.046	-1191.04
5431_5431	5431	5431	2253.261	-40.704	0.934	0.363	-1.165	1191.043
5431_5432	5431	5432	-2250.11	47.954	-0.934	-0.363	-7.106	-1583.84
5432_5432	5432	5432	2251.698	27.104	-0.399	0.249	6.992	1583.864
5432_5433	5432	5433	-2247	-15.135	0.399	-0.249	-1.247	-1279.43
5433_5433	5433	5433	2248.3	88.774	1.511	0.284	1.94	1279.45
5433_5434	5433	5434	-2246.16	-82.705	-1.511	-0.284	-12.842	-660.93
5434_5434	5434	5434	2243.69	133.897	0.757	0.218	12.771	660.931
5434_5435	5434	5435	-2241.69	-127.793	-0.757	-0.218	-18.219	281.18
5435_5435	5435	5435	2243.716	192.983	-15.757	-1.333	20.937	-281.164
5435_5436	5435	5436	-2240.98	-183.625	15.757	1.333	151.285	2339.245
5436_5436	5436	5436	2236.064	236.214	-12.886	5.313	-152.101	-2339.19
5436_5437	5436	5437	-2235.26	-233.211	12.886	-5.313	197.007	3157.108
5437_5437	5437	5437	2238.935	236.69	-24.892	-1.27	-201.291	-3157.42
5437_5072	5437	5072	-2238.01	-233.16	24.892	1.27	303.136	4118.613
5440_5094	5440	5094	2540.702	-210.847	10.659	0.516	-85.46	-2445.48
5440_5441	5440	5441	-2541.62	214.339	-10.659	-0.516	41.894	1576.585
5441_5441	5441	5441	2536.18	-211.34	5.16	0.236	-40.77	-1576.59
5441_5442	5441	5442	-2536.98	214.32	-5.16	-0.236	22.762	833.842
5442_5442	5442	5442	2541.391	-153.391	2.402	-0.139	-23.019	-833.835
5442_5443	5442	5443	-2544.1	162.656	-2.402	0.139	-3.223	-892.636
5443_5443	5443	5443	2540.941	-88.033	1.568	-0.788	2.115	892.636
5443_5444	5443	5444	-2542.92	94.08	-1.568	0.788	-13.408	-1548.32
5444_5444	5444	5444	2544.405	-36.037	-1.488	0.775	14.046	1548.313
5444_5445	5444	5445	-2546.53	42.048	1.488	-0.775	-3.313	-1829.97
5445_5445	5445	5445	2544.455	42.536	-0.327	0.038	4.729	1829.977
5445_5446	5445	5446	-2549.11	-30.682	0.327	-0.038	-0.01	-1302.3
5446_5446	5446	5446	2545.981	116.778	1.806	0.071	0.88	1302.305
5446_5447	5446	5447	-2549.1	-109.601	-1.806	-0.071	-16.879	-299.776
5447_5447	5447	5447	2546.308	162.001	0.373	-0.112	16.952	299.772
5447_5448	5447	5448	-2548.48	-157.28	-0.373	0.112	-19.025	587.697

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5448_5448	5448	5448	2531.473	-383.911	-7.769	3.682	20.862	-587.706
5448_5449	5448	5449	-2532.09	386.669	7.769	-3.682	2.631	-577.406
5449_5449	5449	5449	2531.434	383.807	8.621	-3.797	-2.605	577.689
5449_5450	5449	5450	-2530.82	-381.049	-8.621	3.797	-23.471	578.997
5450_5450	5450	5450	2546.779	-161.648	-1.753	0.14	22.247	-578.976
5450_5451	5450	5451	-2544.61	166.361	1.753	-0.14	-12.518	-331.355
5451_5451	5451	5451	2547.579	-112.09	-1.102	-0.21	12.555	331.354
5451_5452	5451	5452	-2544.46	119.269	1.102	0.21	-2.795	-1356.04
5452_5452	5452	5452	2547.507	-33.143	0.128	-0.087	1.697	1356.039
5452_5453	5452	5453	-2542.85	44.998	-0.128	0.087	-3.536	-1919.21
5453_5453	5453	5453	2544.428	39.457	0.569	-0.147	2.789	1919.213
5453_5454	5453	5454	-2542.31	-33.447	-0.569	0.147	-6.891	-1656.25
5454_5454	5454	5454	2540.844	92.506	0.057	0.031	6.776	1656.254
5454_5455	5454	5455	-2538.86	-86.451	-0.057	-0.031	-7.185	-1011.14
5455_5455	5455	5455	2540.111	159.379	-2.412	0.037	7.665	1011.148
5455_5456	5455	5456	-2537.4	-150.124	2.412	-0.037	18.661	677.91
5456_5456	5456	5456	2533.011	211.575	-4.784	-0.16	-18.481	-677.915
5456_5457	5456	5457	-2532.22	-208.596	4.784	0.16	35.173	1410.96
5457_5457	5457	5457	2537.731	213.44	-10.874	-0.492	-36.097	-1410.94
5457_5110	5457	5110	-2536.81	-209.939	10.874	0.492	80.639	2278.059
5460_5132	5460	5132	2155.21	-225.852	-6.79	-1.069	225.24	-3692.15
5460_5461	5460	5461	-2156.13	229.36	6.79	1.069	-197.372	2757.964
5461_5461	5461	5461	2151.411	-226.794	-17.815	0.916	189.727	-2757.94
5461_5462	5461	5462	-2152.21	229.771	17.815	-0.916	-127.587	1961.667
5462_5462	5462	5462	2157.115	-178.065	-15.887	-0.349	128.099	-1961.63
5462_5463	5462	5463	-2159.83	187.325	15.887	0.349	45.396	-33.467
5463_5463	5463	5463	2149.738	-121.038	0.488	0.799	-42.204	33.356
5463_5464	5463	5464	-2151.72	127.091	-0.488	-0.799	38.69	-927.512
5464_5464	5464	5464	2154.079	-77.067	6.515	-0.931	-39.588	927.474
5464_5465	5464	5465	-2156.2	83.076	-6.515	0.931	-7.396	-1504.92
5465_5465	5465	5465	2140.862	-0.784	-0.384	-0.08	6.85	1504.866
5465_5466	5465	5466	-2145.52	12.633	0.384	0.08	-1.317	-1601.53
5466_5466	5466	5466	2119.533	80.126	-1.46	0.479	2.084	1601.626
5466_5467	5466	5467	-2122.65	-72.951	1.46	-0.479	10.842	-923.914
5467_5467	5467	5467	2120.703	116.568	2.548	-1.001	-11.612	923.905
5467_5468	5467	5468	-2122.87	-111.848	-2.548	1.001	-2.551	-289.167
5468_5468	5468	5468	2074.393	-302.446	0.85	-0.55	2.41	289.164
5468_5469	5468	5469	-2075.01	305.203	-0.85	0.55	-4.98	-1207.65
5469_5469	5469	5469	2066.939	301.038	0.034	0.46	-12.321	1185.565
5469_5470	5469	5470	-2066.32	-298.281	-0.034	-0.46	12.219	-279.671
5470_5470	5470	5470	2114.653	-114.395	1.844	-0.539	-11.83	279.691
5470_5471	5470	5471	-2112.48	119.115	-1.844	0.539	1.583	-928.583
5471_5471	5471	5471	2114.521	-74.706	0.247	0.186	-1.894	928.582
5471_5472	5471	5472	-2111.4	81.889	-0.247	-0.186	-0.292	-1622.59
5472_5472	5472	5472	2138.889	8.38	0.318	-0.082	-0.42	1622.488
5472_5473	5472	5473	-2134.23	3.469	-0.318	0.082	-4.168	-1587.11
5473_5473	5473	5473	2152.18	75.912	-0.613	-0.107	3.086	1587.131
5473_5474	5473	5474	-2150.06	-69.903	0.613	0.107	1.333	-1061.36
5474_5474	5474	5474	2147.854	119.858	-0.763	0	-1.36	1061.363
5474_5475	5474	5475	-2145.88	-113.805	0.763	0	6.862	-219.324
5475_5475	5475	5475	2157.987	177.536	3.436	-0.013	-7.587	219.327
5475_5476	5475	5476	-2155.27	-168.275	-3.436	0.013	-29.937	1668.985
5476_5476	5476	5476	2150.615	219.937	4.283	-0.056	29.748	-1668.99

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5476_5477	5476	5477	-2149.82	-216.959	-4.283	0.056	-44.687	2431.007
5477_5477	5477	5477	2154.092	220.247	1.216	0.309	47.718	-2430.94
5477_5148	5477	5148	-2153.17	-216.748	-1.216	-0.309	-52.698	3325.671
5480_5168	5480	5168	2085.263	-239.751	2.772	0.068	7.221	-4419.47
5480_5481	5480	5481	-2086.18	243.251	-2.772	-0.068	-18.573	3430.52
5481_5481	5481	5481	2083.076	-241.493	-4.634	-4.821	15.155	-3430.44
5481_5482	5481	5482	-2083.87	244.471	4.634	4.821	1.008	2582.858
5482_5482	5482	5482	2089.191	-193.881	0.357	1.548	0.735	-2582.86
5482_5483	5482	5483	-2091.9	203.132	-0.357	-1.548	-4.631	416.865
5483_5483	5483	5483	2094.158	-141.83	-1.593	0.355	4.592	-416.874
5483_5484	5483	5484	-2096.14	147.883	1.593	-0.355	6.887	-627.148
5484_5484	5484	5484	2099.008	-99.133	1.416	-0.399	-7.199	627.144
5484_5485	5484	5485	-2101.13	105.142	-1.416	0.399	-3.009	-1363.71
5485_5485	5485	5485	2096.606	-26.954	-0.187	-0.032	3.535	1363.75
5485_5486	5485	5486	-2101.26	38.812	0.187	0.032	-0.838	-1837.87
5486_5486	5486	5486	2087.191	52.338	-2.014	0.208	0.645	1837.987
5486_5487	5486	5487	-2090.31	-45.163	2.014	-0.208	17.189	-1406.32
5487_5487	5487	5487	2088.941	88.131	-0.471	-0.457	-17.649	1406.314
5487_5488	5487	5488	-2091.11	-83.412	0.471	0.457	20.268	-929.618
5488_5488	5488	5488	2047.398	-326.543	-0.938	-0.666	-21.231	929.656
5488_5489	5488	5489	-2048.02	329.3	0.938	0.666	24.067	-1920.99
5489_5489	5489	5489	2048.743	330.485	-2.125	1.013	14.336	1922.422
5489_5490	5489	5490	-2048.13	-327.728	2.125	-1.013	-7.912	-927.507
5490_5490	5490	5490	2095.822	-82.978	0.557	-0.524	7.515	927.485
5490_5491	5490	5491	-2093.65	87.698	-0.557	0.524	-10.608	-1401.77
5491_5491	5491	5491	2095.014	-44.633	-0.99	0.284	10.149	1401.775
5491_5492	5491	5492	-2091.9	51.808	0.99	-0.284	-1.387	-1828.75
5492_5492	5492	5492	2109.647	38.927	-0.266	0.001	0.837	1828.809
5492_5493	5492	5493	-2104.99	-27.068	0.266	-0.001	3	-1353.04
5493_5493	5493	5493	2113.785	105.192	1.356	-0.388	-2.743	1353.045
5493_5494	5493	5494	-2111.67	-99.184	-1.356	0.388	-7.039	-616.112
5494_5494	5494	5494	2108.79	148.227	-1.67	0.354	6.732	616.116
5494_5495	5494	5495	-2106.81	-142.175	1.67	-0.354	5.305	430.39
5495_5495	5495	5495	2110.118	204.216	0.827	1.548	-5.637	-430.376
5495_5496	5495	5496	-2107.41	-194.956	-0.827	-1.548	-3.396	2610.067
5496_5496	5496	5496	2102.119	245.445	-4.186	-4.96	5.149	-2610.06
5496_5497	5496	5497	-2101.32	-242.468	4.186	4.96	9.455	3461.038
5497_5497	5497	5497	2104.098	244.398	2.632	0.139	-12.915	-3461.1
5497_5184	5497	5184	-2103.18	-240.899	-2.632	-0.139	2.137	4454.751
5500_5204	5500	5204	2429.91	-245.709	-0.788	0.398	-46.836	-4108.41
5500_5501	5500	5501	-2431	249.847	0.788	-0.398	50.062	3093.777
5501_5501	5501	5501	2429.072	-246.909	4.581	0.322	-47.134	-3093.89
5501_5502	5501	5502	-2430.01	250.431	-4.581	-0.322	31.152	2226.438
5502_5502	5502	5502	2435.323	-192.058	3.625	0.174	-31.398	-2226.44
5502_5503	5502	5503	-2438.53	203.01	-3.625	-0.174	-8.189	69.153
5503_5503	5503	5503	2436.715	-133.723	-2.147	0.745	8.105	-69.145
5503_5504	5503	5504	-2439.06	140.881	2.147	-0.745	7.37	-920.429
5504_5504	5504	5504	2441.671	-84.165	1.368	-0.425	-7.824	920.426
5504_5505	5504	5505	-2444.18	91.271	-1.368	0.425	-2.043	-1553.01
5505_5505	5505	5505	2442.654	-11.939	-0.353	0.208	2.688	1552.984
5505_5506	5505	5506	-2448.16	25.964	0.353	-0.208	2.4	-1826.23
5506_5506	5506	5506	2446	56.317	1.036	0.557	-2.731	1826.256
5506_5507	5506	5507	-2449.69	-47.831	-1.036	-0.557	-6.445	-1365.16

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5507_5507	5507	5507	2448.187	98.187	2.843	-0.565	6	1365.161
5507_5508	5507	5508	-2450.73	-92.652	-2.843	0.565	-21.8	-834.845
5508_5508	5508	5508	2418.679	-426.677	-3.251	1.826	23.056	834.781
5508_5509	5508	5509	-2419.4	429.91	3.251	-1.826	-13.228	-2129.55
5509_5509	5509	5509	2419.435	430.162	-2.338	-1.618	13.181	2129.317
5509_5510	5509	5510	-2418.71	-426.929	2.338	1.618	-6.112	-833.79
5510_5510	5510	5510	2447.818	-92.324	2.354	-1.254	6.555	833.795
5510_5511	5510	5511	-2445.28	97.859	-2.354	1.254	-19.638	-1362.29
5511_5511	5511	5511	2446.77	-47.574	-2.237	0.877	18.506	1362.303
5511_5512	5511	5512	-2443.08	56.06	2.237	-0.877	1.299	-1821.12
5512_5512	5512	5512	2442.342	26.288	-0.01	0.026	-0.317	1821.137
5512_5513	5512	5513	-2436.83	-12.263	0.01	-0.026	0.459	-1543.21
5513_5513	5513	5513	2435.118	91.607	2.045	-0.402	-0.234	1543.225
5513_5514	5513	5514	-2432.61	-84.5	-2.045	0.402	-14.512	-908.224
5514_5514	5514	5514	2430.051	139.957	-1.423	0.588	14.066	908.231
5514_5515	5514	5515	-2427.71	-132.808	1.423	-0.588	-3.821	73.42
5515_5515	5515	5515	2427.642	202.99	-6.472	0.795	4.295	-73.42
5515_5516	5515	5516	-2424.43	-192.038	6.472	-0.795	66.384	2230.462
5516_5516	5516	5516	2419.117	250.141	-10.094	-1.048	-65.428	-2230.49
5516_5517	5516	5517	-2418.18	-246.62	10.094	1.048	100.64	3096.9
5517_5517	5517	5517	2419.561	248.739	-41.563	-2.873	-93.644	-3096.9
5517_5220	5517	5220	-2418.47	-244.6	41.563	2.873	263.831	4106.942
5520_5240	5520	5240	2239.986	-509.562	133.815	6.169	-1304.27	-8363.38
5520_5521	5520	5521	-2241.29	518.028	-133.815	-6.169	391.071	4857.075
5521_5521	5521	5521	2304.815	-283.793	36.983	9.558	-384.354	-4865.96
5521_5522	5521	5522	-2305.95	288.032	-36.983	-9.558	255.097	3866.687
5522_5522	5522	5522	2312.482	-231.089	27.174	-1.057	-259.736	-3866.39
5522_5523	5522	5523	-2316.34	244.239	-27.174	1.057	-36.895	1272.039
5523_5523	5523	5523	2324.006	-188.061	0.768	0.561	32.417	-1271.26
5523_5524	5523	5524	-2326.82	196.657	-0.768	-0.561	-37.946	-114.612
5524_5524	5524	5524	2330.741	-142.677	-6.673	0.055	38.081	114.568
5524_5525	5524	5525	-2333.75	151.212	6.673	-0.055	10.035	-1174.08
5525_5525	5525	5525	2337.299	-85.788	-1.357	-0.031	-11.699	1173.39
5525_5526	5525	5526	-2343.92	102.633	1.357	0.031	31.264	-2531.65
5526_5526	5526	5526	2350.873	-30.716	0.816	-1.776	-29.977	2529.389
5526_5527	5526	5527	-2355.3	40.916	-0.816	1.776	22.747	-2846.71
5527_5527	5527	5527	2355.643	8.755	-1.876	1.952	-21.286	2846.719
5527_5528	5527	5528	-2358.67	-2.163	1.876	-1.952	31.708	-2816.4
5528_5528	5528	5528	2314.996	-499.136	-3.2	-7.021	-27.866	2813.99
5528_5529	5528	5529	-2315.86	502.99	3.2	7.021	37.542	-4328.97
5529_5529	5529	5529	2315.161	501.414	-0.153	4.525	-36.984	4324.952
5529_5530	5529	5530	-2314.3	-497.561	0.153	-4.525	37.447	-2815.15
5530_5530	5530	5530	2365.211	-0.894	10.389	-4.106	-40.171	2812.866
5530_5531	5530	5531	-2362.18	7.489	-10.389	4.106	-17.551	-2836.15
5531_5531	5531	5531	2361.845	41.493	5.534	1.406	14.909	2836.171
5531_5532	5531	5532	-2357.41	-31.299	-5.534	-1.406	-63.915	-2513.88
5532_5532	5532	5532	2357.96	112.043	-1.696	-0.522	61.386	2512.786
5532_5533	5532	5533	-2351.35	-95.192	1.696	0.522	-36.934	-1018.42
5533_5533	5533	5533	2346.664	174.138	-3.099	0.602	36.184	1018.14
5533_5534	5533	5534	-2343.65	-165.602	3.099	-0.602	-13.836	206.839
5534_5534	5534	5534	2339.16	220.106	-4.75	0.13	13.895	-206.836
5534_5535	5534	5535	-2336.35	-211.506	4.75	-0.13	20.344	1762.323
5535_5535	5535	5535	2330.991	281.778	24.149	2.315	-16.893	-1761.04

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
5535_5536	5535	5536	-2327.14	-268.622	-24.149	-2.315	-246.837	4766.533
5536_5536	5536	5536	2320.114	323.685	24.675	-2.411	246.522	-4766.55
5536_5537	5536	5537	-2318.98	-319.459	-24.675	2.411	-332.499	5887.052
5537_5537	5537	5537	2333.908	319.199	-64.107	-100.232	343.225	-5902.08
5537_5254	5537	5254	-2332.6	-314.227	64.107	100.232	-80.709	7199.007
5540_5278	5540	5278	3583.673	-330.088	42.719	107.368	-222.233	-4122.7
5540_5541	5540	5541	-3585.08	335.429	-42.719	-107.368	47.566	2762.148
5541_5541	5541	5541	3597.274	-329.491	6.488	3.438	-45.506	-2804.27
5541_5542	5541	5542	-3598.49	334.053	-6.488	-3.438	22.833	1644.843
5542_5542	5542	5542	3605.604	-245.714	-0.796	0.607	-23.735	-1644.83
5542_5543	5542	5543	-3609.75	259.87	0.796	-0.607	32.422	-1115.48
5543_5543	5543	5543	3618.122	-156.958	3.669	-5.04	-36.332	1110.861
5543_5544	5543	5544	-3621.15	166.212	-3.669	5.04	9.887	-2275.5
5544_5544	5544	5544	3624.057	-80.77	-6.362	1.543	-7.76	2275.508
5544_5545	5544	5545	-3627.3	89.946	6.362	-1.543	53.596	-2890.49
5545_5545	5545	5545	3617.423	26.329	1.002	-1.923	-55.116	2885.466
5545_5546	5545	5546	-3624.54	-8.202	-1.002	1.923	40.671	-2636.55
5546_5546	5546	5546	3607.828	128.227	11.328	-1.73	-40.423	2633.114
5546_5547	5546	5547	-3612.6	-117.258	-11.328	1.73	-59.878	-1546.28
5547_5547	5547	5547	3609.467	190.901	6.054	-0.745	60.843	1546.245
5547_5548	5547	5548	-3612.72	-183.818	-6.054	0.745	-94.502	-504.562
5548_5548	5548	5548	3574.268	-578.383	-19.188	0.402	98.968	496.875
5548_5549	5548	5549	-3575.19	582.518	19.188	-0.402	-40.967	-2251.45
5549_5549	5549	5549	3594.497	601.597	-16.281	-2.962	41.669	2255.116
5549_5550	5549	5550	-3593.54	-597.533	16.281	2.962	6.808	-469.882
5550_5550	5550	5550	3614.196	-189.192	13.608	-2.438	-5.454	470.253
5550_5551	5550	5551	-3610.76	196.352	-13.608	2.438	-71.629	-1562.21
5551_5551	5551	5551	3614.302	-114.563	5.852	-0.755	70.061	1562.284
5551_5552	5551	5552	-3609.62	124.93	-5.852	0.755	-119.353	-2570.84
5552_5552	5552	5552	3606.865	11.912	0.028	-1.958	118.01	2570.101
5552_5553	5552	5553	-3599.73	5.709	-0.028	1.958	-118.402	-2526.46
5553_5553	5553	5553	3600.297	122.862	-7.113	-0.972	116.842	2525.557
5553_5554	5553	5554	-3597.07	-113.916	7.113	0.972	-66.76	-1691.99
5554_5554	5554	5554	3592.938	206.404	-11.177	-0.737	66.065	1692.015
5554_5555	5554	5555	-3589.94	-197.373	11.177	0.737	12.673	-269.796
5555_5555	5555	5555	3599.722	316.162	-20.28	2.025	-11.554	270.114
5555_5556	5555	5556	-3595.68	-302.344	20.28	-2.025	227.692	3025.731
5556_5556	5556	5556	3585.822	402.247	-28.943	0.825	-225.571	-3025.89
5556_5557	5556	5557	-3584.65	-397.768	28.943	-0.825	324.806	4397.339
5557_5557	5557	5557	3572.057	398.893	1.632	-17.853	-327.979	-4403.78
5557_5290	5557	5290	-3570.19	-391.711	-1.632	17.853	319.017	6575.142
6000_6000	6000	6000	7.312	12.769	-0.07	-0.013	0	-8.642
6000_6001	6000	6001	-20.714	6.012	0.07	0.013	0.816	61.773
6001_6001	6001	6001	20.714	-6.012	-0.07	0.056	-0.816	-61.773
6001_6002	6001	6002	-31.825	21.585	0.07	-0.056	1.492	-59.682
6002_6002	6002	6002	31.838	21.025	0.083	-0.015	-1.492	59.794
6002_6003	6002	6003	-28.718	-1.427	-0.083	0.015	0.483	73.165
6003_6003	6003	6003	28.717	1.427	0.083	0.045	-0.483	-73.165
6003_6004	6003	6004	-25.596	18.173	-0.083	-0.045	-0.526	-31.543
6004_6004	6004	6004	25.594	20.019	-0.022	0.006	0.526	31.545
6004_6005	6004	6005	-26.001	-0.416	0.022	-0.006	-0.258	92.835
6005_6005	6005	6005	26.001	0.416	-0.022	0.015	0.258	-92.835
6005_6006	6005	6006	-26.408	19.171	0.022	-0.015	0.011	-20.372

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6006_6006	6006	6006	26.393	19.833	0.009	0.004	-0.011	20.558
6006_6007	6006	6007	-26.032	-0.23	-0.009	-0.004	-0.099	100.773
6007_6007	6007	6007	26.032	0.23	0.009	0.004	0.099	-100.773
6007_6008	6007	6008	-25.67	19.374	-0.009	-0.004	-0.208	-15.673
6008_6008	6008	6008	25.697	19.456	-0.002	0.038	0.208	15.317
6008_6009	6008	6009	-25.448	0.135	0.002	-0.038	-0.19	101.535
6009_6009	6009	6009	25.448	-0.135	-0.002	-0.043	0.19	-101.535
6009_6010	6009	6010	-25.2	19.724	0.002	0.043	-0.172	-19.069
6010_6010	6010	6010	25.173	19.206	-0.001	-0.013	0.172	19.349
6010_6011	6010	6011	-25.62	0.401	0.001	0.013	-0.157	95.195
6011_6011	6011	6011	25.62	-0.401	-0.001	-0.003	0.157	-95.195
6011_6012	6011	6012	-26.067	19.992	0.001	0.003	-0.142	-27.933
6012_6012	6012	6012	26.064	18.79	0.011	-0.012	0.142	27.969
6012_6013	6012	6013	-23.226	0.806	-0.011	0.012	-0.27	77.92
6013_6013	6013	6013	23.226	-0.806	0.011	-0.012	0.27	-77.92
6013_6014	6013	6014	-20.388	20.401	-0.011	0.012	-0.398	-53.778
6014_6014	6014	6014	20.371	18.493	-0.009	-0.004	0.398	53.967
6014_6015	6014	6015	-38.218	7.369	0.009	0.004	-0.259	54.342
6015_6015	6015	6015	38.154	-7.372	-0.009	-0.033	0.26	-54.247
6015_6016	6015	6016	-47.347	20.701	0.009	0.033	-0.187	-51.569
6016_6016	6016	6016	16.948	19.749	-0.009	-0.014	0.302	101.885
6016_6017	6016	6017	-20.824	-1.024	0.009	0.014	-0.192	24.398
6017_6017	6017	6017	20.824	1.024	-0.009	-0.014	0.192	-24.398
6017_6018	6017	6018	-25.195	20.09	0.009	0.014	-0.067	-97.243
6018_6018	6018	6018	25.193	19.587	0.067	-0.011	0.067	97.189
6018_6019	6018	6019	-23.309	0.308	-0.067	0.011	-0.898	21.54
6019_6019	6019	6019	23.309	-0.308	0.067	-0.013	0.898	-21.54
6019_6020	6019	6020	-21.424	20.218	-0.067	0.013	-1.731	-108.414
6020_6020	6020	6020	21.366	20.886	-0.042	-0.005	1.731	108.372
6020_6021	6020	6021	-22.057	-5.745	0.042	0.005	-1.327	18.786
6021_6021	6021	6021	22.039	5.745	-0.042	-0.027	1.327	-18.765
6021_6022	6021	6022	-22.602	6.592	0.042	0.027	-1.004	15.959
6022_6022	6022	6022	22.602	-6.592	-0.042	-0.009	1.004	-15.959
6022_6023	6022	6023	-23.166	18.945	0.042	0.009	-0.676	-82.594
6023_6023	6023	6023	23.167	19.479	-0.096	-0.018	0.676	82.498
6023_6024	6023	6024	-23.11	-6.742	0.096	0.018	0.09	22.272
6024_6024	6024	6024	23.11	6.742	-0.096	0.01	-0.09	-22.272
6024_6025	6024	6025	-23.054	5.997	0.096	-0.01	0.861	25.185
6025_6025	6025	6025	23.053	-5.997	-0.096	-0.025	-0.861	-25.185
6025_6026	6025	6026	-22.997	18.75	0.096	0.025	1.627	-73.947
6026_6026	6026	6026	22.997	18.964	-0.016	-0.004	-1.627	73.839
6026_6027	6026	6027	-23.08	-9.42	0.016	0.004	1.721	11.254
6027_6027	6027	6027	23.08	9.42	-0.016	-0.005	-1.721	-11.254
6027_6028	6027	6028	-23.163	0.141	0.016	0.005	1.814	39.153
6028_6028	6028	6028	23.163	-0.141	-0.016	-0.005	-1.814	-39.153
6028_6029	6028	6029	-23.246	9.702	0.016	0.005	1.907	9.668
6029_6029	6029	6029	23.245	-9.702	-0.015	-0.021	-1.907	-9.668
6029_6030	6029	6030	-23.328	19.26	0.015	0.021	1.994	-77.18
6030_6030	6030	6030	23.33	18.366	0.056	0.002	-1.994	77.155
6030_6031	6030	6031	-23.575	-5.618	-0.056	-0.002	1.546	19.003
6031_6031	6031	6031	23.575	5.618	0.057	-0.019	-1.546	-19.003
6031_6032	6031	6032	-23.819	7.112	-0.057	0.019	1.093	13.214
6032_6032	6032	6032	23.819	-7.112	0.056	-0.004	-1.093	-13.214

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6032_6033	6032	6033	-24.064	19.86	-0.056	0.004	0.645	-94.537
6033_6033	6033	6033	24.066	18.883	0.056	-0.004	-0.645	94.541
6033_6034	6033	6034	-23.644	-6.542	-0.056	0.004	0.213	3.574
6034_6034	6034	6034	23.644	6.542	0.056	-0.005	-0.213	-3.574
6034_6035	6034	6035	-23.222	5.814	-0.056	0.005	-0.221	6.024
6035_6035	6035	6035	23.222	-5.814	0.056	-0.005	0.221	-6.024
6035_6036	6035	6036	-22.707	20.924	-0.056	0.005	-0.751	-121.247
6036_6036	6036	6036	22.743	20.768	-0.031	-0.011	0.751	121.232
6036_6037	6036	6037	-24.175	-0.842	0.031	0.011	-0.364	15.276
6037_6037	6037	6037	24.175	0.842	-0.031	0.003	0.364	-15.276
6037_6038	6037	6038	-25.606	19.07	0.031	-0.003	0.029	-97.314
6038_6038	6038	6038	25.608	14.574	-0.144	-0.009	-0.029	97.322
6038_6039	6038	6039	-17.328	6.528	0.144	0.009	1.939	-53.041
6039_6039	6039	6039	56.973	-3.812	0.026	0.01	-0.007	-10.099
6039_6040	6039	6040	-104.18	22.179	-0.026	-0.01	-0.3	-91.579
6040_6040	6040	6040	104.184	18.826	-0.014	0.026	0.3	91.672
6040_6041	6040	6041	-106.958	-5.939	0.014	-0.026	-0.186	13.918
6041_6041	6041	6041	106.959	5.939	-0.014	-0.011	0.186	-13.918
6041_6042	6041	6042	-112.198	18.405	0.014	0.011	0.029	-76.598
6042_6042	6042	6042	112.2	20.35	0.01	-0.029	-0.029	76.619
6042_6043	6042	6043	-103.038	-1.726	-0.01	0.029	-0.09	44.892
6043_6043	6043	6043	103.038	1.726	0.01	0.035	0.09	-44.892
6043_6044	6043	6044	-93.884	16.883	-0.01	-0.035	-0.209	-55.363
6044_6044	6044	6044	93.87	19.446	-0.003	0.003	0.209	55.469
6044_6045	6044	6045	-87.695	-0.822	0.003	-0.003	-0.178	58.618
6045_6045	6045	6045	87.695	0.822	-0.003	0.003	0.178	-58.618
6045_6046	6045	6046	-81.52	17.802	0.003	-0.003	-0.146	-49.221
6046_6046	6046	6046	81.519	19.075	0.001	-0.001	0.146	49.221
6046_6047	6046	6047	-74.832	-0.444	-0.001	0.001	-0.152	59.885
6047_6047	6047	6047	74.832	0.444	0.001	0.004	0.152	-59.885
6047_6048	6047	6048	-68.151	18.172	-0.001	-0.004	-0.159	-52.927
6048_6048	6048	6048	68.161	18.625	0.007	0.026	0.159	52.817
6048_6049	6048	6049	-60.629	-0.009	-0.007	-0.026	-0.246	49.887
6049_6049	6049	6049	60.628	0.009	0.007	-0.026	0.246	-49.887
6049_6050	6049	6050	-53.091	18.623	-0.007	0.026	-0.333	-69.352
6050_6050	6050	6050	53.111	17.888	-0.015	-0.002	0.333	69.133
6050_6051	6050	6051	-49.906	6.427	0.015	0.002	-0.101	17.083
6051_6051	6051	6051	49.852	-6.427	-0.015	0.005	0.101	-17.003
6051_6052	6051	6052	-48.152	19.329	0.015	-0.005	0.022	-90.872
6052_6052	6052	6052	48.151	19.547	-0.013	0.001	-0.022	90.764
6052_6053	6052	6053	-26.732	-1.189	0.013	-0.001	0.176	5.673
6053_6053	6053	6053	26.155	2.197	-0.02	0.002	-0.112	-5.542
6053_6054	6053	6054	-28.758	17.874	0.02	-0.002	0.381	-95.618
6054_6054	6054	6054	28.753	18.525	0.073	-0.003	-0.381	95.605
6054_6055	6054	6055	-28.99	0.413	-0.073	0.003	-0.528	18.275
6055_6055	6055	6055	28.991	-0.413	0.073	0.01	0.528	-18.275
6055_6056	6055	6056	-29.228	19.338	-0.073	-0.01	-1.437	-104.453
6056_6056	6056	6056	29.206	19.898	-0.065	0.003	1.437	104.444
6056_6057	6056	6057	-29.296	-5.5	0.065	-0.003	-0.815	16.183
6057_6057	6057	6057	29.277	5.5	-0.065	0.002	0.814	-16.162
6057_6058	6057	6058	-29.351	6.24	0.065	-0.002	-0.308	13.221
6058_6058	6058	6058	29.351	-6.24	-0.065	0.003	0.308	-13.221
6058_6059	6058	6059	-29.424	17.966	0.065	-0.003	0.198	-80.537

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6059_6059	6059	6059	29.423	18.882	-0.08	0.009	-0.198	80.614
6059_6060	6059	6060	-28.202	-6.751	0.08	-0.009	0.838	20.717
6060_6060	6060	6060	28.202	6.751	-0.08	-0.012	-0.838	-20.717
6060_6061	6060	6061	-26.983	5.364	0.08	0.012	1.477	24.953
6061_6061	6061	6061	26.983	-5.364	-0.08	0.015	-1.477	-24.952
6061_6062	6061	6062	-25.764	17.48	0.08	-0.015	2.116	-67.721
6062_6062	6062	6062	25.764	18.31	0.005	0.006	-2.116	67.659
6062_6063	6062	6063	-25.158	-9.231	-0.005	-0.006	2.088	14.202
6063_6063	6063	6063	25.158	9.231	0.005	0.005	-2.088	-14.202
6063_6064	6063	6064	-24.552	-0.137	-0.005	-0.005	2.061	41.643
6064_6064	6064	6064	24.552	0.137	0.005	0.005	-2.061	-41.643
6064_6065	6064	6065	-23.945	8.957	-0.005	-0.005	2.033	14.484
6065_6065	6065	6065	23.945	-8.957	0.005	0.006	-2.033	-14.484
6065_6066	6065	6066	-23.339	18.036	-0.005	-0.006	2.005	-67.096
6066_6066	6066	6066	23.338	17.985	0.095	0.005	-2.005	67.209
6066_6067	6066	6067	-22.156	-5.858	-0.095	-0.005	1.248	26.87
6067_6067	6067	6067	22.156	5.858	0.095	0.007	-1.248	-26.87
6067_6068	6067	6068	-20.977	6.254	-0.095	-0.007	0.492	23.922
6068_6068	6068	6068	20.977	-6.254	0.095	0.007	-0.492	-23.922
6068_6069	6068	6069	-19.797	18.365	-0.095	-0.007	-0.264	-75.875
6069_6069	6069	6069	19.799	17.738	0.047	0.003	0.264	75.999
6069_6070	6069	6070	-19.891	-5.991	-0.047	-0.003	-0.626	16.271
6070_6070	6070	6070	19.891	5.991	0.047	0.004	0.626	-16.271
6070_6071	6070	6071	-19.984	5.741	-0.047	-0.004	-0.987	17.495
6071_6071	6071	6071	19.962	-5.741	0.047	0.014	0.991	-17.476
6071_6072	6071	6072	-20.075	20.13	-0.047	-0.014	-1.433	-105.092
6072_6072	6072	6072	20.082	20.113	-0.024	0.007	1.433	105.098
6072_6073	6072	6073	-19.852	-1.178	0.024	-0.007	-1.135	27.347
6073_6073	6073	6073	19.852	1.178	-0.024	0.007	1.135	-27.347
6073_6074	6073	6074	-19.622	17.758	0.024	-0.007	-0.837	-76.926
6074_6074	6074	6074	19.624	14.525	-0.229	-0.004	0.837	76.976
6074_6075	6074	6075	-0.273	5.548	0.229	0.004	2.199	-38.598
6075_6075	6075	6075	45.052	-2.925	0.022	0.022	0.302	-33.226
6075_6076	6075	6076	-87.672	20.333	-0.022	-0.022	-0.56	-54.403
6076_6076	6076	6076	87.687	17.534	-0.025	-0.009	0.56	54.251
6076_6077	6076	6077	-85.26	-5.309	0.025	0.009	-0.352	37.338
6077_6077	6077	6077	85.185	5.309	-0.025	0.018	0.354	-37.211
6077_6078	6077	6078	-81.034	15.61	0.025	-0.018	0.004	-40.055
6078_6078	6078	6078	81.05	17.617	0.009	0.008	-0.004	39.928
6078_6079	6078	6079	-77.871	-1.03	-0.009	-0.008	-0.096	60.703
6079_6079	6079	6079	77.871	1.03	0.009	0.005	0.096	-60.703
6079_6080	6079	6080	-74.688	15.571	-0.009	-0.005	-0.195	-24.531
6080_6080	6080	6080	74.688	16.728	-0.002	0.003	0.195	24.545
6080_6081	6080	6081	-71.845	-0.13	0.002	-0.003	-0.169	66.534
6081_6081	6081	6081	71.845	0.13	-0.002	0.006	0.169	-66.534
6081_6082	6081	6082	-69.005	16.453	0.002	-0.006	-0.143	-28.172
6082_6082	6082	6082	68.965	18.015	0	0	0.143	28.501
6082_6083	6082	6083	-66.075	-0.172	0	0	-0.145	77.576
6083_6083	6083	6083	66.075	0.172	0	0.003	0.145	-77.576
6083_6084	6083	6084	-63.187	17.657	0	-0.003	-0.147	-31.083
6084_6084	6084	6084	63.185	16.686	-0.005	-0.001	0.147	31.096
6084_6085	6084	6085	-60.813	-0.092	0.005	0.001	-0.092	60.004
6085_6085	6085	6085	60.813	0.092	-0.005	-0.001	0.092	-60.004

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6085_6086	6085	6086	-58.441	16.502	0.005	0.001	-0.037	-34.77
6086_6086	6086	6086	58.462	16.211	0.01	-0.026	0.037	34.587
6086_6087	6086	6087	-54.86	0.383	-0.01	0.026	-0.147	49.699
6087_6087	6087	6087	54.86	-0.383	0.01	0.021	0.147	-49.699
6087_6088	6087	6088	-51.258	16.977	-0.01	-0.021	-0.257	-51.882
6088_6088	6088	6088	51.256	14.736	-0.019	-0.007	0.257	51.882
6088_6089	6088	6089	-53.685	5.383	0.019	0.007	-0.003	14.484
6089_6089	6089	6089	53.633	-5.383	-0.019	-0.004	0.004	-14.41
6089_6090	6089	6090	-55.109	17.615	0.019	0.004	0.151	-78.8
6090_6090	6090	6090	55.113	17.874	-0.001	-0.005	-0.151	78.664
6090_6091	6090	6091	-36.206	-0.468	0.001	0.005	0.168	6.019
6091_6091	6091	6091	36.027	1.353	0.007	-0.003	-0.252	-6.123
6091_6092	6091	6092	-40.338	17.983	-0.007	0.003	0.162	-99.524
6092_6092	6092	6092	40.327	18.106	0.02	0.002	-0.162	99.387
6092_6093	6092	6093	-39.664	0.132	-0.02	-0.002	-0.094	12.667
6093_6093	6093	6093	39.663	-0.132	0.02	-0.007	0.094	-12.667
6093_6094	6093	6094	-39	18.369	-0.02	0.007	-0.35	-103.202
6094_6094	6094	6094	38.99	19.111	-0.033	-0.004	0.35	103.198
6094_6095	6094	6095	-39.274	-5.24	0.033	0.004	-0.036	12.682
6095_6095	6095	6095	39.207	5.24	-0.033	-0.002	0.034	-12.598
6095_6096	6095	6096	-39.439	6.062	0.033	0.002	0.221	9.531
6096_6096	6096	6096	39.439	-6.062	-0.033	-0.003	-0.221	-9.531
6096_6097	6096	6097	-39.672	17.378	0.033	0.003	0.476	-81.236
6097_6097	6097	6097	39.672	18.026	0.018	0.003	-0.476	81.158
6097_6098	6097	6098	-38.976	-6.361	-0.018	-0.003	0.334	15.51
6098_6098	6098	6098	38.975	6.361	0.018	-0.015	-0.334	-15.51
6098_6099	6098	6099	-38.278	5.318	-0.018	0.015	0.19	18.875
6099_6099	6099	6099	38.278	-5.318	0.018	0.007	-0.19	-18.875
6099_6100	6099	6100	-37.581	16.984	-0.018	-0.007	0.048	-71.073
6100_6100	6100	6100	37.591	17.551	-0.004	-0.019	-0.048	71.2
6100_6101	6100	6101	-37.273	-8.791	0.004	0.019	0.073	7.467
6101_6101	6101	6101	37.273	8.791	-0.004	-0.027	-0.073	-7.467
6101_6102	6101	6102	-36.955	-0.031	0.004	0.027	0.097	33.548
6102_6102	6102	6102	36.955	0.031	-0.004	0.025	-0.097	-33.548
6102_6103	6102	6103	-36.637	8.729	0.004	-0.025	0.122	7.045
6103_6103	6103	6103	36.637	-8.729	-0.004	0.018	-0.122	-7.045
6103_6104	6103	6104	-36.319	17.474	0.004	-0.018	0.147	-71.863
6104_6104	6104	6104	36.32	17.178	-0.014	0.013	-0.147	71.867
6104_6105	6104	6105	-35.77	-5.499	0.014	-0.013	0.262	18.148
6105_6105	6105	6105	35.771	5.499	-0.014	-0.006	-0.262	-18.148
6105_6106	6105	6106	-35.221	6.18	0.014	0.006	0.378	14.687
6106_6106	6106	6106	35.221	-6.18	-0.014	-0.005	-0.378	-14.687
6106_6107	6106	6107	-34.673	17.845	0.014	0.005	0.493	-82.065
6107_6107	6107	6107	34.672	17.18	0.027	0.004	-0.493	82.083
6107_6108	6107	6108	-34.446	-5.866	-0.027	-0.004	0.283	7.161
6108_6108	6108	6108	34.446	5.866	0.027	0.004	-0.283	-7.161
6108_6109	6108	6109	-34.22	5.449	-0.027	-0.004	0.072	8.68
6109_6109	6109	6109	34.244	-5.449	0.027	-0.002	-0.073	-8.707
6109_6110	6109	6110	-33.967	19.303	-0.027	0.002	-0.185	-108.905
6110_6110	6110	6110	33.97	19.119	0.003	0.007	0.185	108.908
6110_6111	6110	6111	-34.718	-0.872	-0.003	-0.007	-0.224	16.386
6111_6111	6111	6111	34.718	0.872	0.003	-0.003	0.224	-16.386
6111_6112	6111	6112	-35.466	17.374	-0.003	0.003	-0.264	-86.468

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6112_6112	6112	6112	35.458	13.79	-0.112	0.004	0.264	86.382
6112_6113	6112	6113	-20.098	5.536	0.112	-0.004	1.215	-49.018
6113_6113	6113	6113	60.564	-3.257	0.006	0.003	0.148	-16.383
6113_6114	6113	6114	-101.667	20.37	-0.006	-0.003	-0.217	-74.614
6114_6114	6114	6114	101.676	17	-0.004	-0.007	0.217	74.627
6114_6115	6114	6115	-103.225	-4.986	0.004	0.007	-0.185	18.16
6115_6115	6115	6115	103.225	4.986	-0.004	0.012	0.185	-18.16
6115_6116	6115	6116	-105.873	15.547	0.004	-0.012	-0.131	-52.76
6116_6116	6116	6116	105.871	17.876	0	-0.026	0.131	52.775
6116_6117	6116	6117	-99.706	-1.566	0	0.026	-0.128	49.1
6117_6117	6117	6117	99.705	1.566	0	0.035	0.128	-49.1
6117_6118	6117	6118	-93.539	14.744	0	-0.035	-0.125	-31.728
6118_6118	6118	6118	93.572	16.818	-0.002	-0.032	0.125	31.499
6118_6119	6118	6119	-89.512	-0.51	0.002	0.032	-0.103	60.975
6119_6119	6119	6119	89.512	0.51	-0.002	0.038	0.103	-60.975
6119_6120	6119	6120	-85.455	15.784	0.002	-0.038	-0.082	-29.065
6120_6120	6120	6120	85.417	18.055	-0.002	-0.037	0.082	29.339
6120_6121	6120	6121	-80.452	-0.524	0.002	0.037	-0.056	76.839
6121_6121	6121	6121	80.452	0.524	-0.002	0.038	0.056	-76.839
6121_6122	6121	6122	-75.491	16.994	0.002	-0.038	-0.031	-27.912
6122_6122	6122	6122	75.49	16.674	-0.005	-0.033	0.031	27.911
6122_6123	6122	6123	-71.511	-0.367	0.005	0.033	0.022	62.949
6123_6123	6123	6123	71.512	0.367	-0.005	0.03	-0.022	-62.949
6123_6124	6123	6124	-67.533	15.941	0.005	-0.03	0.074	-28.847
6124_6124	6124	6124	67.532	16.208	0.006	-0.003	-0.074	28.856
6124_6125	6124	6125	-62.314	0.099	-0.006	0.003	0.009	55.242
6125_6125	6125	6125	62.314	-0.099	0.006	-0.003	-0.009	-55.242
6125_6126	6125	6126	-57.096	16.407	-0.006	0.003	-0.055	-43.313
6126_6126	6126	6126	57.093	14.505	-0.025	-0.011	0.055	43.312
6126_6127	6126	6127	-57.645	5.297	0.025	0.011	0.289	20.303
6127_6127	6127	6127	57.645	-5.297	-0.025	0.009	-0.289	-20.303
6127_6128	6127	6128	-57.98	17.309	0.025	-0.009	0.498	-72.339
6128_6128	6128	6128	57.983	17.8	0.039	-0.001	-0.498	72.175
6128_6129	6128	6129	-38.328	-0.692	-0.039	0.001	0.041	11.988
6129_6129	6129	6129	38.111	1.581	0.078	-0.007	-0.455	-11.86
6129_6130	6129	6130	-43.209	17.717	-0.078	0.007	-0.574	-89.723
6130_6130	6130	6130	43.199	17.338	-0.119	-0.005	0.574	89.612
6130_6131	6130	6131	-42.651	0.868	0.119	0.005	0.912	13.405
6131_6131	6131	6131	42.651	-0.868	-0.119	-0.005	-0.912	-13.405
6131_6132	6131	6132	-42.103	19.074	0.119	0.005	2.398	-111.154
6132_6132	6132	6132	41.066	18.378	0.191	0.003	-2.398	85.026
6132_6133	6132	6133	-40.918	-4.542	-0.191	-0.003	0.586	23.676
6133_6133	6133	6133	40.918	4.542	0.193	-0.014	-0.586	-23.676
6133_6134	6133	6134	-40.798	6.746	-0.193	0.014	-0.907	14.997
6134_6134	6134	6134	40.798	-6.746	0.19	0.002	0.907	-14.997
6134_6135	6134	6135	-40.678	18.034	-0.19	-0.002	-2.376	-81.161
6135_6135	6135	6135	40.716	18.356	-0.063	0.003	2.376	81.295
6135_6136	6135	6136	-39.938	-6.704	0.063	-0.003	-1.873	17.94
6136_6136	6136	6136	39.937	6.704	-0.06	-0.015	1.873	-17.94
6136_6137	6136	6137	-39.159	4.948	0.06	0.015	-1.393	23.955
6137_6137	6137	6137	39.16	-4.948	-0.063	0.01	1.393	-23.955
6137_6138	6137	6138	-38.381	16.601	0.063	-0.01	-0.89	-63.251
6138_6138	6138	6138	38.386	17.429	-0.021	-0.017	0.89	63.135

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6138_6139	6138	6139	-38.027	-8.69	0.021	0.017	-0.761	14.734
6139_6139	6139	6139	38.027	8.69	-0.017	-0.035	0.761	-14.734
6139_6140	6139	6140	-37.668	0.049	0.017	0.035	-0.657	40.167
6140_6140	6140	6140	37.668	-0.049	-0.021	0.025	0.657	-40.167
6140_6141	6140	6141	-37.309	8.788	0.021	-0.025	-0.528	13.163
6141_6141	6141	6141	37.309	-8.788	-0.021	0.025	0.528	-13.163
6141_6142	6141	6142	-36.95	17.527	0.021	-0.025	-0.399	-66.277
6142_6142	6142	6142	36.958	17.053	-0.041	0.009	0.399	66.172
6142_6143	6142	6143	-36.242	-5.401	0.041	-0.009	-0.074	22.636
6143_6143	6143	6143	36.242	5.401	-0.038	-0.014	0.074	-22.636
6143_6144	6143	6144	-35.525	6.251	0.038	0.014	0.226	18.224
6144_6144	6144	6144	35.525	-6.251	-0.041	0.003	-0.226	-18.224
6144_6145	6144	6145	-34.809	17.904	0.041	-0.003	0.55	-79.409
6145_6145	6145	6145	34.803	17.05	-0.001	0	-0.55	79.316
6145_6146	6145	6146	-35.105	-5.762	0.001	0	0.559	9.59
6146_6146	6146	6146	35.105	5.762	-0.004	0.005	-0.559	-9.59
6146_6147	6146	6147	-35.408	5.526	0.004	-0.005	0.593	11.011
6147_6147	6147	6147	35.488	-5.526	0	-0.004	-0.594	-11.101
6147_6148	6147	6148	-35.86	19.363	0	0.004	0.596	-106.501
6148_6148	6148	6148	35.862	19.368	0.023	0.007	-0.596	106.453
6148_6149	6148	6149	-35.915	-1.161	-0.023	-0.007	0.303	21.414
6149_6149	6149	6149	35.915	1.161	0.025	-0.006	-0.303	-21.414
6149_6150	6149	6150	-35.969	17.045	-0.025	0.006	-0.014	-78.307
6150_6150	6150	6150	35.958	13.091	-0.049	0.007	0.014	78.206
6150_6151	6150	6151	-16.42	6.208	0.049	-0.007	0.636	-55.141
6151_6151	6151	6151	66	-3.479	0	-0.006	-0.113	-25.327
6151_6152	6151	6152	-112.19	21.33	0	0.006	0.112	-67.845
6152_6152	6152	6152	112.193	17.23	0	0.016	-0.112	67.699
6152_6153	6152	6153	-114.273	-4.712	0	-0.016	0.111	25.33
6153_6153	6153	6153	114.465	4.712	0.001	-0.007	-0.112	-25.668
6153_6154	6153	6154	-117.943	16.177	-0.001	0.007	0.1	-48.768
6154_6154	6154	6154	117.944	18.373	0.002	0.002	-0.1	48.769
6154_6155	6154	6155	-110.808	-1.661	-0.002	-0.002	0.073	53.488
6155_6155	6155	6155	110.808	1.661	0.002	0.002	-0.073	-53.488
6155_6156	6155	6156	-103.673	15.05	-0.002	-0.002	0.046	-28.086
6156_6156	6156	6156	103.675	16.293	0.002	-0.033	-0.046	28.086
6156_6157	6156	6157	-99.096	-1.101	-0.002	0.033	0.025	53.869
6157_6157	6157	6157	99.096	1.101	0.001	0.035	-0.025	-53.869
6157_6158	6157	6158	-94.512	14.107	-0.001	-0.035	0.02	-16.249
6158_6158	6158	6158	94.539	15.013	0.002	0	-0.02	16.063
6158_6159	6158	6159	-90.158	0.179	-0.002	0	-0.003	53.307
6159_6159	6159	6159	90.158	-0.179	0.002	0	0.003	-53.307
6159_6160	6159	6160	-85.772	15.386	-0.002	0	-0.027	-29.408
6160_6160	6160	6160	85.774	16.431	0.001	-0.001	0.027	29.409
6160_6161	6160	6161	-79.475	0.281	-0.001	0.001	-0.04	52.317
6161_6161	6161	6161	79.475	-0.281	0.001	-0.001	0.04	-52.317
6161_6162	6161	6162	-73.176	16.992	-0.001	0.001	-0.053	-49.79
6162_6162	6162	6162	73.178	15.457	0.003	-0.006	0.053	49.79
6162_6163	6162	6163	-72.639	5.417	-0.003	0.006	-0.088	19.459
6163_6163	6163	6163	72.787	-5.417	0.002	0.006	0.089	-19.665
6163_6164	6163	6164	-72.467	17.95	-0.002	-0.006	-0.103	-76.565
6164_6164	6164	6164	72.457	18.751	0.002	0.001	0.103	76.689
6164_6165	6164	6165	-50.436	-0.9	-0.002	-0.001	-0.121	11.232

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6165_6165	6165	6165	50.177	1.764	-0.005	-0.003	0.162	-10.831
6165_6166	6165	6166	-54.258	18.902	0.005	0.003	-0.1	-97.986
6166_6166	6166	6166	54.261	19.161	-0.004	0.005	0.1	97.986
6166_6167	6166	6167	-54.076	0.336	0.004	-0.005	-0.049	19.861
6167_6167	6167	6167	54.075	-0.336	-0.003	-0.009	0.049	-19.861
6167_6168	6167	6168	-53.89	19.832	0.003	0.009	-0.018	-106.006
6168_6168	6168	6168	53.885	20.435	0	0.006	0.018	106.007
6168_6169	6168	6169	-54.472	-5.618	0	-0.006	-0.021	18.225
6169_6169	6169	6169	54.55	5.618	0.002	-0.005	0.022	-18.319
6169_6170	6169	6170	-55.029	6.47	-0.002	0.005	-0.034	15.405
6170_6170	6170	6170	55.029	-6.47	0.002	-0.005	0.034	-15.405
6170_6171	6170	6171	-55.508	18.558	-0.002	0.005	-0.046	-81.191
6171_6171	6171	6171	55.492	19.491	-0.002	0.006	0.046	81.093
6171_6172	6171	6172	-54.349	-7.013	0.002	-0.006	-0.029	23.681
6172_6172	6172	6172	54.349	7.013	0	-0.02	0.029	-23.681
6172_6173	6172	6173	-53.207	5.464	0	0.02	-0.031	28.629
6173_6173	6173	6173	53.207	-5.464	-0.002	0.012	0.031	-28.629
6173_6174	6173	6174	-52.064	17.942	0.002	-0.012	-0.015	-66.249
6174_6174	6174	6174	52.071	18.793	-0.001	0	0.015	66.151
6174_6175	6174	6175	-51.589	-9.435	0.001	0	-0.011	17.985
6175_6175	6175	6175	51.589	9.435	-0.001	0	0.011	-17.985
6175_6176	6175	6176	-51.107	-0.077	0.001	0	-0.007	45.969
6176_6176	6176	6176	51.107	0.077	-0.001	0	0.007	-45.969
6176_6177	6176	6177	-50.625	9.282	0.001	0	-0.004	17.801
6177_6177	6177	6177	50.625	-9.282	-0.001	0	0.004	-17.801
6177_6178	6177	6178	-50.142	18.64	0.001	0	0	-66.519
6178_6178	6178	6178	50.149	18.291	0	-0.012	0	66.42
6178_6179	6178	6179	-49.315	-5.813	0	0.012	-0.001	28.984
6179_6179	6179	6179	49.314	5.813	-0.002	0.018	0.001	-28.984
6179_6180	6179	6180	-48.48	6.664	0.002	-0.018	0.016	24.564
6180_6180	6180	6180	48.48	-6.664	0	-0.006	-0.016	-24.564
6180_6181	6180	6181	-47.646	19.142	0	0.006	0.015	-79.682
6181_6181	6181	6181	47.632	18.25	0	0.007	-0.015	79.586
6181_6182	6181	6182	-47.683	-6.162	0	-0.007	0.013	15.225
6182_6182	6182	6182	47.682	6.162	0.003	-0.006	-0.013	-15.225
6182_6183	6182	6183	-47.732	5.926	-0.003	0.006	-0.007	16.35
6183_6183	6183	6183	47.839	-5.926	0.001	0.001	0.007	-16.466
6183_6184	6183	6184	-47.901	20.743	-0.001	-0.001	-0.021	-109.958
6184_6184	6184	6184	47.877	20.637	-0.01	0.002	0.021	109.855
6184_6185	6184	6185	-47.831	-1.14	0.01	-0.002	0.103	25.819
6185_6185	6185	6185	47.831	1.14	-0.01	0.002	-0.103	-25.819
6185_6186	6185	6186	-47.785	18.341	0.01	-0.002	0.227	-82.036
6186_6186	6186	6186	47.802	15.04	0.015	-0.004	-0.227	82.142
6186_6187	6186	6187	-30.292	5.626	-0.015	0.004	0.03	-39.762
6187_6187	6187	6187	75.53	-3.258	0	0.007	0.007	-34.203
6187_6188	6187	6188	-121.396	22.375	0	-0.007	-0.012	-61.04
6188_6188	6188	6188	121.392	19.12	-0.001	-0.052	0.012	61.181
6188_6189	6188	6189	-118.041	-5.697	0.001	0.052	-0.002	37.451
6189_6189	6189	6189	119.364	5.688	-0.003	0.034	0	-36.154
6189_6190	6189	6190	-113.732	16.683	0.003	-0.034	0.04	-45.566
6190_6190	6190	6190	113.733	19.279	0.002	0.001	-0.04	45.567
6190_6191	6190	6191	-108.361	-1.382	-0.002	-0.001	0.017	61.553
6191_6191	6191	6191	108.361	1.382	0.002	0.001	-0.017	-61.553

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6191_6192	6191	6192	-102.99	16.514	-0.002	-0.001	-0.006	-28.192
6192_6192	6192	6192	102.992	17.279	0	0.001	0.006	28.193
6192_6193	6192	6193	-98.668	-1.01	0	-0.001	-0.007	58.075
6193_6193	6193	6193	98.668	1.01	0	0	0.007	-58.075
6193_6194	6193	6194	-94.339	15.275	0	0	-0.008	-18.512
6194_6194	6194	6194	94.341	15.981	0.003	-0.001	0.008	18.514
6194_6195	6194	6195	-90.318	0.304	-0.003	0.001	-0.039	55.107
6195_6195	6195	6195	90.318	-0.304	0.003	-0.001	0.039	-55.107
6195_6196	6195	6196	-86.295	16.59	-0.003	0.001	-0.071	-34.295
6196_6196	6196	6196	86.303	17.535	-0.002	-0.002	0.071	34.296
6196_6197	6196	6197	-80.409	0.361	0.002	0.002	-0.046	53.054
6197_6197	6197	6197	80.409	-0.361	-0.002	-0.002	0.046	-53.054
6197_6198	6197	6198	-74.515	18.257	0.002	0.002	-0.021	-56.46
6198_6198	6198	6198	74.517	16.513	0.001	0.01	0.021	56.462
6198_6199	6198	6199	-75.523	5.841	-0.001	-0.01	-0.036	18.268
6199_6199	6199	6199	75.628	-5.841	0.003	-0.023	0.038	-18.407
6199_6200	6199	6200	-76.234	19.263	-0.003	0.023	-0.062	-84.301
6200_6200	6200	6200	76.234	20.221	-0.005	-0.002	0.062	84.303
6200_6201	6200	6201	-52.398	-1.104	0.005	0.002	-0.007	11.701
6201_6201	6201	6201	53.109	2.063	-0.02	-0.002	0.14	-12.957
6201_6202	6201	6202	-57.479	20.337	0.02	0.002	0.125	-103.339
6202_6202	6202	6202	57.481	20.643	0.03	-0.001	-0.125	103.338
6202_6203	6202	6203	-57.455	0.488	-0.03	0.001	-0.255	23.19
6203_6203	6203	6203	57.455	-0.488	0.03	-0.001	0.255	-23.19
6203_6204	6203	6204	-57.428	21.62	-0.03	0.001	-0.635	-114.434
6204_6204	6204	6204	57.423	22.122	-0.021	0.001	0.635	114.436
6204_6205	6204	6205	-58.141	-6.062	0.021	-0.001	-0.436	19.973
6205_6205	6205	6205	58.31	6.062	-0.02	-0.011	0.444	-20.154
6205_6206	6205	6206	-58.894	7.039	0.02	0.011	-0.289	16.8
6206_6206	6206	6206	58.894	-7.039	-0.022	0.008	0.289	-16.8
6206_6207	6206	6207	-59.478	20.141	0.022	-0.008	-0.118	-88.095
6207_6207	6207	6207	59.479	20.94	-0.036	-0.007	0.118	88.093
6207_6208	6207	6208	-58.556	-7.416	0.036	0.007	0.17	24.26
6208_6208	6208	6208	58.556	7.416	-0.038	0.02	-0.17	-24.26
6208_6209	6208	6209	-57.634	6.108	0.038	-0.02	0.473	28.417
6209_6209	6209	6209	57.633	-6.108	-0.036	-0.012	-0.473	-28.417
6209_6210	6209	6210	-56.711	19.633	0.036	0.012	0.762	-75.622
6210_6210	6210	6210	56.71	20.365	-0.008	0.002	-0.762	75.623
6210_6211	6210	6211	-56.336	-10.222	0.008	-0.002	0.807	15.659
6211_6211	6211	6211	56.336	10.222	-0.008	0.002	-0.807	-15.659
6211_6212	6211	6212	-55.961	-0.078	0.008	-0.002	0.853	46.079
6212_6212	6212	6212	55.961	0.078	-0.008	0.002	-0.853	-46.079
6212_6213	6212	6213	-55.587	10.065	0.008	-0.002	0.898	15.639
6213_6213	6213	6213	55.587	-10.065	-0.008	0.002	-0.898	-15.639
6213_6214	6213	6214	-55.213	20.208	0.008	-0.002	0.944	-75.663
6214_6214	6214	6214	55.211	19.956	0.028	0.003	-0.944	75.66
6214_6215	6214	6215	-54.537	-6.432	-0.028	-0.003	0.722	28.936
6215_6215	6215	6215	54.537	6.432	0.028	0.003	-0.722	-28.936
6215_6216	6215	6216	-53.864	7.092	-0.028	-0.003	0.5	25.338
6216_6216	6216	6216	53.864	-7.092	0.028	0.003	-0.5	-25.338
6216_6217	6216	6217	-53.19	20.616	-0.028	-0.003	0.278	-86.455
6217_6217	6217	6217	53.197	19.815	0.018	0.016	-0.278	86.45
6217_6218	6217	6218	-53.04	-6.714	-0.018	-0.016	0.138	16.433

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6218_6218	6218	6218	53.039	6.714	0.02	0.001	-0.138	-16.433
6218_6219	6218	6219	-52.882	6.388	-0.02	-0.001	-0.018	17.776
6219_6219	6219	6219	52.927	-6.388	0.02	0	0.017	-17.819
6219_6220	6219	6220	-52.735	22.431	-0.02	0	-0.21	-118.828
6220_6220	6220	6220	52.686	22.431	0.055	0.003	0.21	118.832
6220_6221	6220	6221	-52.458	-1.298	-0.055	-0.003	-0.895	28.58
6221_6221	6221	6221	52.458	1.298	0.055	0.003	0.895	-28.58
6221_6222	6221	6222	-52.23	19.835	-0.055	-0.003	-1.579	-88.205
6222_6222	6222	6222	52.217	16.747	-0.484	-0.005	1.579	88.195
6222_6223	6222	6223	-36.251	5.654	0.484	0.005	4.83	-33.4
6223_6223	6223	6223	75.792	-3.315	0.006	0.016	-0.181	-30.081
6223_6224	6223	6224	-121.71	24.021	-0.006	-0.016	0.109	-76.72
6224_6224	6224	6224	121.742	21.459	0.018	0.041	-0.109	76.591
6224_6225	6224	6225	-118.634	-6.934	-0.018	-0.041	-0.042	37.17
6225_6225	6225	6225	118.856	6.933	0.019	-0.017	0.042	-37.543
6225_6226	6225	6226	-113.123	19.86	-0.019	0.017	-0.326	-66.763
6226_6226	6226	6226	113.116	21.743	-0.004	0.26	0.326	66.869
6226_6227	6226	6227	-108.192	-1.067	0.004	-0.26	-0.283	61.274
6227_6227	6227	6227	108.19	1.067	0	-0.256	0.283	-61.275
6227_6228	6227	6228	-103.265	19.613	0	0.256	-0.287	-53.259
6228_6228	6228	6228	103.259	20.855	0.018	0.03	0.287	53.214
6228_6229	6228	6229	-99.49	-0.188	-0.018	-0.03	-0.492	65.915
6229_6229	6229	6229	99.49	0.188	0.018	-0.033	0.492	-65.915
6229_6230	6229	6230	-95.718	20.498	-0.018	0.033	-0.704	-57.6
6230_6230	6230	6230	95.783	21.249	-0.022	0.295	0.704	57.466
6230_6231	6230	6231	-90.637	0.159	0.022	-0.295	-0.433	64.745
6231_6231	6231	6231	90.623	-0.159	-0.017	-0.298	0.433	-64.744
6231_6232	6231	6232	-85.475	21.576	0.017	0.298	-0.22	-73.263
6232_6232	6232	6232	85.409	21.156	0.037	-0.017	0.22	73.349
6232_6233	6232	6233	-82.745	0.919	-0.037	0.017	-0.69	50.361
6233_6233	6233	6233	83.025	-0.92	0.035	-0.001	0.681	-50.71
6233_6234	6233	6234	-80.658	20.506	-0.035	0.001	-1.071	-71.094
6234_6234	6234	6234	84.705	19.176	-0.092	0.058	1.071	67.977
6234_6235	6234	6235	-65.604	-1.23	0.092	-0.058	-0.137	12.016
6235_6235	6235	6235	62.805	2.135	-0.292	-0.066	1.98	-7.596
6235_6236	6235	6236	-66.371	16.447	0.292	0.066	0.917	-59.772
6236_6236	6236	6236	66.181	16.889	0.23	0.009	-0.917	59.915
6236_6237	6236	6237	-65.887	1.109	-0.23	-0.009	-1.291	16.611
6237_6237	6237	6237	65.889	-1.109	0.23	-0.006	1.291	-16.611
6237_6238	6237	6238	-65.567	20.76	-0.23	0.006	-3.705	-97.379
6238_6238	6238	6238	65.727	23.583	-0.172	0.135	3.705	97.488
6238_6239	6238	6239	-67.12	-0.103	0.172	-0.135	-1.548	51.709
6239_6239	6239	6239	67.305	0.104	-0.171	-0.152	1.548	-51.902
6239_6240	6239	6240	-68.627	22.297	0.171	0.152	0.492	-80.176
6240_6240	6240	6240	68.566	20.462	-0.07	0.028	-0.492	80.15
6240_6241	6240	6241	-67.238	-1.768	0.07	-0.028	1.191	29.572
6241_6241	6241	6241	67.238	1.768	-0.069	-0.024	-1.191	-29.572
6241_6242	6241	6242	-65.957	16.271	0.069	0.024	1.86	-41.477
6242_6242	6242	6242	65.95	17.827	-0.066	0.007	-1.86	41.539
6242_6243	6242	6243	-65.331	1.356	0.066	-0.007	2.54	42.048
6243_6243	6243	6243	65.331	-1.356	-0.066	0.004	-2.54	-42.048
6243_6244	6243	6244	-64.765	18.924	0.066	-0.004	3.162	-53.799
6244_6244	6244	6244	64.75	19.026	0.091	0.178	-3.162	53.78

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6244_6245	6244	6245	-64.256	-1.525	-0.091	-0.178	2.31	41.562
6245_6245	6245	6245	64.255	1.525	0.094	-0.148	-2.31	-41.562
6245_6246	6245	6246	-63.712	17.721	-0.094	0.148	1.348	-42.43
6246_6246	6246	6246	63.695	16.085	-0.198	-0.001	-1.348	42.451
6246_6247	6246	6247	-62.958	2.729	0.198	0.001	3.333	23.64
6247_6247	6247	6247	62.958	-2.729	-0.198	0.008	-3.333	-23.64
6247_6248	6247	6248	-62.255	20.657	0.198	-0.008	5.226	-89.269
6248_6248	6248	6248	62.27	22.305	0.458	0.265	-5.226	89.334
6248_6249	6248	6249	-62.858	2.546	-0.458	-0.265	-0.858	42.511
6249_6249	6249	6249	62.95	-2.546	0.463	-0.301	0.857	-42.6
6249_6250	6249	6250	-63.448	23.572	-0.463	0.301	-6.056	-103.413
6250_6250	6250	6250	63.495	21.893	-0.301	-0.005	6.056	103.431
6250_6251	6250	6251	-62.844	0.659	0.301	0.005	-2.431	23.317
6251_6251	6251	6251	62.844	-0.659	-0.301	0.011	2.431	-23.317
6251_6252	6251	6252	-62.327	18.594	0.301	-0.011	0.454	-69.775
6252_6252	6252	6252	62.328	18.186	0.059	-0.015	-0.454	69.748
6252_6253	6252	6253	-49.274	3.389	-0.059	0.015	-0.221	0.167
6253_6253	6253	6253	49.272	-3.389	0.06	0.032	0.221	-0.168
6253_6254	6253	6254	-37.83	22.298	-0.06	-0.032	-0.823	-142.957
6254_6254	6254	6254	95.027	19.923	-0.024	0.003	0.599	50.038
6254_6255	6254	6255	-117.254	2.205	0.024	-0.003	-0.334	76.361
6255_6255	6255	6255	117.35	-2.202	-0.024	0.013	0.333	-76.514
6255_6256	6255	6256	-143.774	28.491	0.024	-0.013	-0.018	-95.304
6256_6256	6256	6256	143.773	23.785	0.022	0.278	0.018	95.342
6256_6257	6256	6257	-144.927	-1.059	-0.022	-0.278	-0.274	48.989
6257_6257	6257	6257	144.933	1.059	0.022	-0.26	0.274	-48.985
6257_6258	6257	6258	-146.092	21.768	-0.022	0.26	-0.531	-69.116
6258_6258	6258	6258	146.087	21.66	0.004	0.026	0.531	69.311
6258_6259	6258	6259	-151.968	1.459	-0.004	-0.026	-0.58	55.938
6259_6259	6259	6259	151.968	-1.459	0.004	-0.022	0.58	-55.937
6259_6260	6259	6260	-157.677	23.902	-0.004	0.022	-0.627	-81.189
6260_6260	6260	6260	157.675	20.904	0.007	0.339	0.627	81.368
6260_6261	6260	6261	-165.387	1.824	-0.007	-0.339	-0.714	37.598
6261_6261	6261	6261	165.398	-1.824	0.007	-0.353	0.714	-37.59
6261_6262	6261	6262	-173.148	24.664	-0.007	0.353	-0.8	-106.177
6262_6262	6262	6262	173.18	23.361	-0.003	-0.042	0.8	106.03
6262_6263	6262	6263	-166.597	-0.999	0.003	0.042	-0.766	23.944
6263_6263	6263	6263	166.789	0.997	-0.002	-0.003	0.786	-24.321
6263_6264	6263	6264	-159.384	24.14	0.002	0.003	-0.756	-131.685
6264_6264	6264	6264	159.409	26.704	-0.013	0.005	0.756	131.808
6264_6265	6264	6265	-138.364	-0.594	0.013	-0.005	-0.585	23.666
6265_6265	6265	6265	138.365	0.594	-0.013	-0.061	0.585	-23.665
6265_6266	6265	6266	-120.041	22.14	0.013	0.061	-0.437	-121.892
6266_6266	6266	6266	120.089	23.631	0.062	0.005	0.437	121.865
6266_6267	6266	6267	-114.244	-2.63	-0.062	-0.005	-1.095	9.449
6267_6267	6267	6267	114.25	2.63	0.062	-0.047	1.095	-9.451
6267_6268	6267	6268	-109.535	14.31	-0.062	0.047	-1.627	-47.242
6268_6268	6268	6268	64.475	21.459	-0.201	-0.016	2.441	121.118
6268_6269	6268	6269	-78.88	3.941	0.201	0.016	0.102	6.011
6269_6269	6269	6269	78.908	-3.94	-0.201	-0.014	-0.101	-6.043
6269_6270	6269	6270	-91.315	25.814	0.201	0.014	2.292	-141.984
6270_6270	6270	6270	91.312	34.117	0.096	0.44	-2.292	141.915
6270_6271	6270	6271	-56.446	-10.685	-0.096	-0.44	1.176	81.968

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6271_6271	6271	6271	56.445	10.685	0.096	-0.431	-1.176	-81.97
6271_6272	6271	6272	-19.712	14.002	-0.096	0.431	0	22.007
6372_6372	6372	6372	17.854	10.274	-0.23	0.007	0	-23.951
6372_6373	6372	6373	-50.998	8.226	0.23	-0.007	2.85	73.135
6373_6373	6373	6373	50.998	-8.226	-0.23	-0.013	-2.85	-73.135
6373_6374	6373	6374	-82.1	25.586	0.23	0.013	5.523	-89.023
6374_6374	6374	6374	82.113	19.079	0.334	-0.005	-5.523	89.018
6374_6375	6374	6375	-72.618	-2.526	-0.334	0.005	1.822	20.088
6375_6375	6375	6375	72.618	2.526	0.334	0.011	-1.822	-20.087
6375_6376	6375	6376	-64.084	12.352	-0.334	-0.011	-1.506	-38.338
6376_6376	6376	6376	64.085	14.063	0.009	0.145	1.506	38.324
6376_6377	6376	6377	-66.361	3.449	-0.009	-0.145	-1.615	26.085
6377_6377	6377	6377	66.358	-3.449	0.009	-0.124	1.615	-26.087
6377_6378	6377	6378	-68.566	20.44	-0.009	0.124	-1.721	-107.584
6378_6378	6378	6378	68.473	19.513	-0.064	-0.017	1.715	106.419
6378_6379	6378	6379	-67.67	0.094	0.064	0.017	-0.875	20.308
6379_6379	6379	6379	67.67	-0.094	-0.064	-0.021	0.875	-20.308
6379_6380	6379	6380	-67.015	16.07	0.064	0.021	-0.19	-66.669
6380_6380	6380	6380	67.013	15.76	-0.073	0.028	0.19	66.532
6380_6381	6380	6381	-65.461	0.351	0.073	-0.028	0.597	14.422
6381_6381	6381	6381	65.459	-0.351	-0.071	-0.038	-0.597	-14.423
6381_6382	6381	6382	-64.066	14.804	0.071	0.038	1.287	-60.782
6382_6382	6382	6382	64.053	17.872	0.05	0.001	-1.287	61.3
6382_6383	6382	6383	-58.631	-0.726	-0.05	-0.001	0.714	39.167
6383_6383	6383	6383	58.631	0.726	0.05	0.016	-0.714	-39.167
6383_6384	6383	6384	-53.176	16.526	-0.05	-0.016	0.139	-58.333
6384_6384	6384	6384	71.603	17.368	-0.015	0	0.223	28.386
6384_6385	6384	6385	-61.76	-1.122	0.015	0	-0.061	60.678
6385_6385	6385	6385	61.761	1.122	-0.015	0.033	0.061	-60.678
6385_6386	6385	6386	-51.395	15.986	0.015	-0.033	0.112	-38.083
6386_6386	6386	6386	51.398	17.97	0.009	0.283	-0.112	38.049
6386_6387	6386	6387	-54.405	-0.908	-0.009	-0.283	0.003	74.567
6387_6387	6387	6387	54.402	0.908	0.011	-0.219	-0.003	-74.569
6387_6388	6387	6388	-57.659	17.573	-0.011	0.219	-0.136	-25.101
6388_6388	6388	6388	57.662	17.922	-0.007	-0.001	0.136	25.196
6388_6389	6388	6389	-58.583	0.454	0.007	0.001	-0.044	84.338
6389_6389	6389	6389	58.583	-0.454	-0.008	0.052	0.044	-84.338
6389_6390	6389	6390	-59.443	17.608	0.008	-0.052	0.043	-19.074
6390_6390	6390	6390	59.445	17.688	0.026	0.28	-0.043	19.109
6390_6391	6390	6391	-60.794	1.481	-0.026	-0.28	-0.289	87.454
6391_6391	6391	6391	60.792	-1.481	0.027	-0.278	0.289	-87.456
6391_6392	6391	6392	-61.943	17.84	-0.027	0.278	-0.588	-17.728
6392_6392	6392	6392	61.943	17.327	-0.054	0.034	0.588	17.761
6392_6393	6392	6393	-63.413	0.3	0.054	-0.034	0.057	85.287
6393_6393	6393	6393	63.413	-0.3	-0.054	0.007	-0.057	-85.287
6393_6394	6393	6394	-64.905	18.205	0.054	-0.007	0.712	-24.719
6394_6394	6394	6394	64.912	17.423	0.18	0.313	-0.712	24.255
6394_6395	6394	6395	-65.204	0.169	-0.18	-0.313	-1.426	78.591
6395_6395	6395	6395	65.205	-0.169	0.182	-0.277	1.426	-78.593
6395_6396	6395	6396	-65.503	18.091	-0.182	0.277	-3.625	-31.404
6396_6396	6396	6396	65.489	15.777	-0.619	0.03	3.625	31.466
6396_6397	6396	6397	-72.926	2.065	0.619	-0.03	3.831	59.661
6397_6397	6397	6397	72.925	-2.065	-0.619	-0.014	-3.831	-59.661

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6397_6398	6397	6398	-80.292	19.742	0.619	0.014	11.217	-61.926
6398_6398	6398	6398	80.283	22.636	0.558	0.547	-11.217	61.976
6398_6399	6398	6399	-41.536	-4.022	-0.558	-0.547	4.206	61.89
6399_6399	6399	6399	41.536	4.022	0.564	-0.889	-4.206	-61.895
6399_6400	6399	6400	-18.55	7.021	-0.564	0.889	0	24.873
6572_6572	6572	6572	17.859	10.199	-0.128	0.003	0	-24.002
6572_6573	6572	6573	-51.273	8.309	0.128	-0.003	1.587	72.492
6573_6573	6573	6573	51.273	-8.309	-0.128	-0.003	-1.587	-72.492
6573_6574	6573	6574	-82.407	25.554	0.128	0.003	3.066	-88.651
6574_6574	6574	6574	82.416	19.168	0.023	-0.001	-3.066	88.611
6574_6575	6574	6575	-72.443	-2.899	-0.023	0.001	2.814	20.488
6575_6575	6575	6575	72.443	2.899	0.023	0	-2.814	-20.488
6575_6576	6575	6576	-63.43	11.803	-0.023	0	2.586	-33.293
6576_6576	6576	6576	63.421	13.521	0.286	0.135	-2.586	33.244
6576_6577	6576	6577	-66.738	4.164	-0.286	-0.135	-0.797	25.421
6577_6577	6577	6577	66.741	-4.164	0.286	-0.149	0.797	-25.422
6577_6578	6577	6578	-69.958	21.316	-0.286	0.149	-4.078	-117.623
6578_6578	6578	6578	70.381	20.439	-0.198	0.004	4.072	119.205
6578_6579	6578	6579	-68.463	-1.192	0.198	-0.004	-1.515	18.254
6579_6579	6579	6579	68.463	1.192	-0.199	-0.003	1.515	-18.254
6579_6580	6579	6580	-66.848	15.019	0.199	0.003	0.639	-58.321
6580_6580	6580	6580	66.856	15.526	0.002	0.057	-0.639	58.461
6580_6581	6580	6581	-65.203	0.348	-0.002	-0.057	0.616	19.934
6581_6581	6581	6581	65.202	-0.348	0	-0.056	-0.616	-19.934
6581_6582	6581	6582	-63.681	14.963	0	0.056	0.612	-57.004
6582_6582	6582	6582	63.706	17.575	0.004	0.034	-0.612	56.679
6582_6583	6582	6583	-59.571	-0.838	-0.004	-0.034	0.572	41.805
6583_6583	6583	6583	59.571	0.838	0.003	-0.002	-0.572	-41.805
6583_6584	6583	6584	-55.254	16.638	-0.003	0.002	0.534	-55.431
6584_6584	6584	6584	73.337	17.484	0.014	0.022	-0.296	26.383
6584_6585	6584	6585	-62.339	-1.461	-0.014	-0.022	0.145	62.33
6585_6585	6585	6585	62.339	1.461	0.014	0.02	-0.145	-62.33
6585_6586	6585	6586	-50.507	15.776	-0.014	-0.02	-0.018	-35.682
6586_6586	6586	6586	50.519	17.811	0.004	0.237	0.018	35.856
6586_6587	6586	6587	-54	-0.951	-0.004	-0.237	-0.058	75.39
6587_6587	6587	6587	53.999	0.951	0.002	-0.167	0.058	-75.392
6587_6588	6587	6588	-57.835	17.626	-0.002	0.167	-0.085	-24.18
6588_6588	6588	6588	57.826	17.776	0.003	0.008	0.085	23.729
6588_6589	6588	6589	-58.78	0.424	-0.003	-0.008	-0.128	84.107
6589_6589	6589	6589	58.78	-0.424	0.004	0.043	0.128	-84.107
6589_6590	6589	6590	-59.682	17.646	-0.004	-0.043	-0.169	-19.699
6590_6590	6590	6590	59.688	17.597	-0.004	0.293	0.169	19.298
6590_6591	6590	6591	-61.113	1.458	0.004	-0.293	-0.122	86.25
6591_6591	6591	6591	61.11	-1.458	-0.005	-0.294	0.122	-86.252
6591_6592	6591	6592	-62.333	17.81	0.005	0.294	-0.065	-18.534
6592_6592	6592	6592	62.332	17.356	0.043	0.024	0.065	19.251
6592_6593	6592	6593	-63.796	0.035	-0.043	-0.024	-0.569	84.144
6593_6593	6593	6593	63.796	-0.035	0.043	0.009	0.569	-84.144
6593_6594	6593	6594	-65.314	18.069	-0.043	-0.009	-1.091	-24.207
6594_6594	6594	6594	65.315	17.087	-0.169	0.268	1.091	24.209
6594_6595	6594	6595	-65.929	0.513	0.169	-0.268	0.92	74.989
6595_6595	6595	6595	65.925	-0.513	-0.171	-0.245	-0.92	-74.991
6595_6596	6595	6596	-66.546	18.317	0.171	0.245	2.972	-37.348

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
6596_6596	6596	6596	66.555	16.607	0.676	-0.009	-2.972	37.556
6596_6597	6596	6597	-73.221	1.2	-0.676	0.009	-5.146	62.542
6597_6597	6597	6597	73.221	-1.2	0.676	0.014	5.146	-62.542
6597_6598	6597	6598	-79.811	18.805	-0.676	-0.014	-13.174	-48.87
6598_6598	6598	6598	79.812	20.862	-0.788	0.013	13.174	48.852
6598_6599	6598	6599	-34.154	-2.301	0.788	-0.013	-3.306	45.154
6599_6599	6599	6599	34.151	2.301	-0.788	-0.041	3.306	-45.155
6599_6600	6599	6600	-18.861	3.915	0.788	0.041	0	24.666
7000_7000	7000	7000	62.55	449.74	2.995	3.121	0	-347.775
7000_7001	7000	7001	-53.749	-419.103	-2.995	-3.121	-31.465	4871.669
7001_7001	7001	7001	53.749	419.103	2.995	3.143	31.465	-4871.67
7001_7002	7001	7002	-45.877	-391.703	-2.995	-3.143	-59.605	8644.872
7002_7002	7002	7002	45.842	335.098	-2.665	8.337	59.605	-8644.86
7002_7003	7002	7003	-39.437	-299.791	2.665	-8.337	-27.337	12459.56
7003_7003	7003	7003	39.433	299.791	-2.665	-2.758	27.337	-12459.6
7003_7004	7003	7004	-33.024	-264.46	2.665	2.758	4.958	15849.02
7004_7004	7004	7004	33.041	219.825	-0.085	17.351	-4.958	-15849.1
7004_7005	7004	7005	-27.176	-184.526	0.085	-17.351	5.984	18270.06
7005_7005	7005	7005	27.176	184.526	-0.085	-13.527	-5.984	-18270.1
7005_7006	7005	7006	-21.307	-149.207	0.085	13.527	7.017	20264.78
7006_7006	7006	7006	21.308	106.691	0.974	18.843	-7.017	-20264.9
7006_7007	7006	7007	-17.575	-71.375	-0.974	-18.843	-4.784	21326.67
7007_7007	7007	7007	17.577	71.375	0.974	-17.209	4.784	-21326.7
7007_7008	7007	7008	-13.842	-36.038	-0.974	17.209	-16.586	21960.99
7008_7008	7008	7008	13.838	-6.021	-0.356	18.068	16.586	-21961.1
7008_7009	7008	7009	-12.672	41.326	0.356	-18.068	-12.271	21669.88
7009_7009	7009	7009	12.671	-41.326	-0.357	-18.501	12.271	-21669.9
7009_7010	7009	7010	-11.505	76.652	0.357	18.501	-7.947	20950.64
7010_7010	7010	7010	11.512	-117.696	0.694	14.118	7.947	-20950.9
7010_7011	7010	7011	-12.794	153.019	-0.694	-14.118	-16.352	19317.94
7011_7011	7011	7011	12.795	-153.019	0.693	-16.419	16.352	-19317.9
7011_7012	7011	7012	-14.076	188.334	-0.693	16.419	-24.75	17257.62
7012_7012	7012	7012	14.075	-230.347	0.542	9.998	24.75	-17257.7
7012_7013	7012	7013	-17.83	265.659	-0.542	-9.998	-31.311	14272.74
7013_7013	7013	7013	17.83	-265.659	0.541	-13.666	31.311	-14272.7
7013_7014	7013	7014	-21.587	300.993	-0.541	13.666	-37.87	10857.86
7014_7014	7014	7014	21.591	-344.315	0.236	1.544	37.87	-10858
7014_7015	7014	7015	-25.838	390.511	-0.236	-1.544	-41.602	5058.096
7015_7015	7015	7015	24.497	-389.419	0.154	-4.382	40.516	-5013.77
7015_7016	7015	7016	-28.363	411.909	-0.154	4.386	-41.789	1714.91
7016_7016	7016	7016	62.544	-459.707	0.182	-3.911	46.088	-1834.1
7016_7017	7016	7017	-72.2	491.807	-0.182	3.92	-48.225	-3721.55
7017_7017	7017	7017	86.435	-489.64	0.18	1.92	48.538	3719.059
7017_7018	7017	7018	-96.11	528.523	-0.18	-1.905	-50.932	-10434
7018_7018	7018	7018	115.162	-574.344	-0.683	-21.086	49.044	10434.23
7018_7019	7018	7019	-123.744	612.904	0.683	21.039	-40.481	-17841.7
7019_7019	7019	7019	140.58	-609.671	-0.684	20.268	44.855	17842.52
7019_7020	7019	7020	-148.161	650.709	0.684	-20.32	-36.248	-25730.1
7020_7020	7020	7020	-2391.06	214.282	-22.072	-3.136	501.262	5595.764
7020_7021	7020	7021	2390.714	-187.711	22.072	3.136	-291.597	-3685.14
7021_7021	7021	7021	-2391.2	187.713	-20.751	-0.952	292.86	3687.481
7021_7022	7021	7022	2390.91	-168.147	20.751	0.952	-132.087	-2307.84
7022_7022	7022	7022	-2390.93	168.147	-17.665	2.134	132.087	2307.843

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7022_7023	7022	7023	2390.646	-148.584	17.665	-2.134	4.76	-1079.96
7023_7023	7023	7023	-2390.68	100.303	-6.588	-0.736	-4.76	1079.868
7023_7024	7023	7024	2390.153	-80.082	6.588	0.736	57.516	-355.637
7024_7024	7024	7024	-2390.16	80.082	-3.925	-0.239	-57.516	355.638
7024_7025	7024	7025	2389.639	-59.889	3.925	0.239	88.903	206.011
7025_7025	7025	7025	-2389.64	59.889	-3.925	-0.239	-88.903	-206.011
7025_7026	7025	7026	2389.118	-39.696	3.925	0.239	120.29	606.187
7026_7026	7026	7026	-2389.12	-8.134	-3.685	-0.181	-120.29	-606.285
7026_7027	7026	7027	2388.174	23.296	3.685	0.181	142.415	515.683
7027_7027	7027	7027	-2388.17	-23.296	-4.113	-0.104	-142.415	-515.683
7027_7028	7027	7028	2387.226	38.434	4.113	0.104	167.067	334.418
7028_7028	7028	7028	-2387.23	-38.434	0.299	-0.575	-167.067	-334.418
7028_7029	7028	7029	2386.281	53.593	-0.299	0.575	165.274	61.946
7029_7029	7029	7029	-2386.28	-53.593	0.299	-0.575	-165.274	-61.946
7029_7030	7029	7030	2385.333	68.753	-0.299	0.575	163.48	-301.533
7030_7030	7030	7030	-2385.34	-116.212	1.597	-1.474	-163.48	301.518
7030_7031	7030	7031	2383.335	136.397	-1.597	1.474	150.718	-1303.13
7031_7031	7031	7031	-2383.34	-136.397	1.909	-1.298	-150.718	1303.133
7031_7032	7031	7032	2381.331	156.607	-1.909	1.298	135.442	-2467.64
7032_7032	7032	7032	-2381.33	-156.607	4.898	1.823	-135.442	2467.64
7032_7033	7032	7033	2379.323	176.815	-4.898	-1.823	96.246	-3793.71
7033_7033	7033	7033	-2379.28	-225.952	14.984	0.073	-96.246	3793.784
7033_7034	7033	7034	2376.985	245.521	-14.984	-0.073	-19.869	-5611.47
7034_7034	7034	7034	-2377	-245.521	11.896	-7.153	19.869	5611.46
7034_7035	7034	7035	2374.71	265.093	-11.896	7.153	-112.07	-7581.06
7035_7035	7035	7035	-2375.45	-265.106	16.435	7.349	111.018	7584.778
7035_7036	7035	7036	2372.765	291.672	-16.435	-7.349	-267.112	-10218.1
7036_7036	7036	7036	156.94	544.329	-0.049	-10.83	-20.941	31646.1
7036_7037	7036	7037	-152.557	-503.251	0.049	10.793	21.557	-25086.5
7037_7037	7037	7037	138.662	506.51	-0.064	9.676	-23.619	25085.71
7037_7038	7037	7038	-134.06	-467.922	0.064	-9.709	24.426	-19003.7
7038_7038	7038	7038	118.364	428.409	1.72	-5.957	-23.144	19003.75
7038_7039	7038	7039	-113.593	-389.479	-1.72	5.975	0.312	-13602.2
7039_7039	7039	7039	613.58	385.053	0.991	5.839	-0.039	10859.15
7039_7040	7039	7040	-616.151	-353.088	-0.991	-5.849	-11.617	-6619.27
7040_7040	7040	7040	608.194	306.857	0.048	2.185	11.827	6620.409
7040_7041	7040	7041	-588.957	-284.832	-0.048	-2.187	-12.219	-4294.59
7041_7041	7041	7041	668.158	287.37	-0.054	-0.48	10.551	3892.715
7041_7042	7041	7042	-596.403	-250.449	0.054	0.48	-9.725	-67.828
7042_7042	7042	7042	596.408	205.068	-0.091	5.505	9.725	67.846
7042_7043	7042	7043	-544.838	-176.587	0.091	-5.505	-8.647	1970.257
7043_7043	7043	7043	544.837	176.587	-0.143	-5.031	8.647	-1970.26
7043_7044	7043	7044	-493.274	-148.11	0.143	5.031	-6.943	3669.2
7044_7044	7044	7044	493.278	107.513	-0.039	3.156	6.943	-3669.21
7044_7045	7044	7045	-444.215	-79.014	0.039	-3.156	-6.473	4556.762
7045_7045	7045	7045	444.215	79.014	-0.063	-2.862	6.473	-4556.76
7045_7046	7045	7046	-395.197	-50.542	0.063	2.862	-5.718	5104.63
7046_7046	7046	7046	395.194	9.775	0.152	6.056	5.718	-5104.64
7046_7047	7046	7047	-349.266	18.717	-0.152	-6.056	-7.531	4841.052
7047_7047	7047	7047	349.266	-18.717	0.1	-6.031	7.531	-4841.05
7047_7048	7047	7048	-303.344	47.205	-0.1	6.031	-8.717	4238.392
7048_7048	7048	7048	303.342	-88.44	-0.073	1.692	8.717	-4238.41
7048_7049	7048	7049	-260.388	116.925	0.073	-1.692	-7.849	2817.843

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7049_7049	7049	7049	260.388	-116.925	-0.099	-1.888	7.849	-2817.84
7049_7050	7049	7050	-217.436	145.409	0.099	1.888	-6.668	1058.377
7050_7050	7050	7050	217.436	-187.011	0.413	-1.074	6.668	-1058.38
7050_7051	7050	7051	-163.419	223.92	-0.413	1.074	-13.043	-2360.98
7051_7051	7051	7051	162.537	-222.235	0.373	2.168	13.158	2378.649
7051_7052	7051	7052	-135.33	242.626	-0.373	-2.166	-16.237	-4423.63
7052_7052	7052	7052	142.263	-287.461	-0.381	-7.318	15.98	4424.261
7052_7053	7052	7053	-110.31	316.932	0.381	7.326	-11.502	-8149.56
7053_7053	7053	7053	103.348	-314.381	-0.247	11.579	20.584	8235.684
7053_7054	7053	7054	-86.466	352.114	0.247	-11.567	-17.308	-12786
7054_7054	7054	7054	100.519	-393.124	-1.007	-15.131	15.271	12787.99
7054_7055	7054	7055	-96.16	430.337	1.007	15.107	-2.644	-18042.1
7055_7055	7055	7055	108.193	-426.373	-1.057	15.946	5.894	18045.03
7055_7056	7055	7056	-111.964	465.767	1.057	-15.972	7.396	-23718.5
7056_7056	7056	7056	-1984.3	269.798	-16.338	-5.254	301.244	7457.583
7056_7057	7056	7057	1992.873	-244.031	16.338	5.254	-145.928	-5054.54
7057_7057	7057	7057	-1994.39	244.03	-13.913	1.341	147.057	5023.855
7057_7058	7057	7058	2001.434	-223.482	13.913	-1.341	-39.217	-3244.18
7058_7058	7058	7058	-2001.45	223.482	-11.121	6.22	39.217	3244.171
7058_7059	7058	7059	2008.487	-202.936	11.121	-6.22	46.977	-1623.91
7059_7059	7059	7059	-2008.48	156.508	-6.435	-0.762	-46.977	1623.975
7059_7060	7059	7060	2015.371	-135.323	6.435	0.762	98.401	-489.6
7060_7060	7060	7060	-2015.38	135.323	-3.534	0.834	-98.401	489.598
7060_7061	7060	7061	2022.277	-114.114	3.534	-0.834	126.672	476.511
7061_7061	7061	7061	-2022.28	114.114	-0.829	1.215	-126.672	-476.513
7061_7062	7061	7062	2029.178	-92.907	0.829	-1.215	133.302	1272.88
7062_7062	7062	7062	-2029.18	47.787	-2.827	1.134	-133.302	-1273.02
7062_7063	7062	7063	2033.859	-31.868	2.827	-1.134	150.279	1490.369
7063_7063	7063	7063	-2033.86	31.868	0.777	0.181	-150.279	-1490.37
7063_7064	7063	7064	2038.539	-15.952	-0.777	-0.181	145.612	1612.126
7064_7064	7064	7064	-2038.54	15.952	0.53	0.254	-145.612	-1612.13
7064_7065	7064	7065	2043.21	-0.061	-0.53	-0.254	142.435	1638.352
7065_7065	7065	7065	-2043.21	0.061	0.777	0.184	-142.435	-1638.35
7065_7066	7065	7066	2047.889	15.855	-0.777	-0.184	137.769	1569.136
7066_7066	7066	7066	-2047.89	-61.288	4.325	0.435	-137.769	-1569.06
7066_7067	7066	7067	2053.364	82.49	-4.325	-0.435	103.18	968.133
7067_7067	7067	7067	-2053.36	-82.49	4.325	0.435	-103.18	-968.133
7067_7068	7067	7068	2058.84	103.691	-4.325	-0.435	68.591	197.648
7068_7068	7068	7068	-2058.84	-103.691	4.504	0.52	-68.591	-197.649
7068_7069	7068	7069	2064.324	124.919	-4.504	-0.52	32.521	-743.677
7069_7069	7069	7069	-2064.29	-170.575	12.882	-2.916	-32.521	743.82
7069_7070	7069	7070	2069.483	191.11	-12.882	2.916	-67.265	-2169.5
7070_7070	7070	7070	-2069.47	-191.11	15.677	1.633	67.265	2169.498
7070_7071	7070	7071	2074.662	211.643	-15.677	-1.633	-188.691	-3754.11
7071_7071	7071	7071	-2071.83	-211.642	15.849	2.421	189.633	3779.839
7071_7072	7071	7072	2078.042	237.388	-15.849	-2.421	-340.183	-5942.32
7072_7072	7072	7072	71.508	500.932	0.838	-6.649	-3.31	21856.15
7072_7073	7072	7073	-40.902	-461.872	-0.838	6.615	-7.231	-15873.4
7073_7073	7073	7073	28.075	465.843	0.815	8.267	5.663	15871.48
7073_7074	7073	7074	3.668	-429.046	-0.815	-8.298	-15.887	-10322.5
7074_7074	7074	7074	-18.329	390.676	0.056	0.331	16.589	10321.59
7074_7075	7074	7075	45.532	-353.371	-0.056	-0.305	-17.332	-5423.81
7075_7075	7075	7075	436.082	349.953	0.242	1.012	11.514	2781.525

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7075_7076	7075	7076	-435.368	-321.506	-0.242	-0.997	-14.354	1103.445
7076_7076	7076	7076	428.067	278.46	0.053	4.767	14.324	-1102.82
7076_7077	7076	7077	-416.507	-258.779	-0.053	-4.769	-14.762	3254.715
7077_7077	7077	7077	384.226	261.352	0.047	-3.076	16.403	-3222.45
7077_7078	7077	7078	-353.865	-225.997	-0.047	3.076	-17.063	6487.328
7078_7078	7078	7078	353.861	187.567	-0.431	5.306	17.063	-6487.36
7078_7079	7078	7079	-331.314	-159.256	0.431	-5.306	-12.235	8323.074
7079_7079	7079	7079	331.313	159.256	-0.456	-3.744	12.235	-8323.07
7079_7080	7079	7080	-308.787	-130.97	0.456	3.744	-7.136	9840.512
7080_7080	7080	7080	308.79	94.694	0.098	6.335	7.136	-9840.59
7080_7081	7080	7081	-288.471	-66.412	-0.098	-6.335	-8.23	10645.16
7081_7081	7081	7081	288.471	66.412	0.07	-5.444	8.23	-10645.2
7081_7082	7081	7082	-268.134	-38.105	-0.07	5.444	-9.018	11133.67
7082_7082	7082	7082	268.136	-0.151	-0.095	5.247	9.018	-11133.8
7082_7083	7082	7083	-249.104	30.557	0.095	-5.247	-7.876	10857.59
7083_7083	7083	7083	249.104	-30.557	-0.119	-4.954	7.876	-10857.6
7083_7084	7083	7084	-230.073	60.962	0.119	4.954	-6.443	10215.82
7084_7084	7084	7084	230.074	-98.895	-0.087	3.985	6.443	-10215.9
7084_7085	7084	7085	-214.974	127.196	0.087	-3.985	-5.466	8876.657
7085_7085	7085	7085	214.974	-127.196	-0.112	-4.398	5.466	-8876.66
7085_7086	7085	7086	-199.887	155.471	0.112	4.398	-4.212	7222.354
7086_7086	7086	7086	199.884	-192.409	0.027	4.386	4.212	-7222.36
7086_7087	7086	7087	-187.249	220.708	-0.027	-4.386	-4.509	4847.277
7087_7087	7087	7087	187.248	-220.708	-0.026	-5.293	4.509	-4847.28
7087_7088	7087	7088	-174.614	249.005	0.026	5.293	-4.223	2155.705
7088_7088	7088	7088	174.616	-285.628	0.142	-2.023	4.223	-2155.71
7088_7089	7088	7089	-160.747	319.644	-0.142	2.023	-6.137	-1986.3
7089_7089	7089	7089	163.717	-317.927	0.082	1.389	6.03	2036.704
7089_7090	7089	7090	-155.114	338.734	-0.082	-1.388	-6.703	-4786.9
7090_7090	7090	7090	163.798	-378.392	-0.357	-8.913	6.398	4787.347
7090_7091	7090	7091	-154.893	408.365	0.357	8.92	-2.203	-9464.43
7091_7091	7091	7091	152.621	-404.664	-0.207	6.69	7.746	9539.616
7091_7092	7091	7092	-148.658	441.708	0.207	-6.685	-5.003	-15197.6
7092_7092	7092	7092	164.981	-481.032	-0.917	-17.897	3.008	15199.2
7092_7093	7092	7093	-165.824	517.658	0.917	17.859	8.493	-21490.6
7093_7093	7093	7093	180.134	-512.68	-0.965	17.983	-4.814	21493.31
7093_7094	7093	7094	-184.054	551.543	0.965	-18.025	16.955	-28206.3
7094_7094	7094	7094	-2223.34	241.002	-11.024	-5.333	159.013	8029.1
7094_7095	7094	7095	2227.905	-215.682	11.024	5.333	-54.221	-5878.69
7095_7095	7095	7095	-2229.72	215.693	-8.816	0.274	52.996	5887.49
7095_7096	7095	7096	2233.258	-195.656	8.816	-0.274	15.279	-4310.3
7096_7096	7096	7096	-2233.27	195.656	-5.673	6.533	-15.279	4310.298
7096_7097	7096	7097	2236.81	-175.595	5.673	-6.533	59.268	-2886.61
7097_7097	7097	7097	-2236.81	131.538	-0.482	-2.878	-59.268	2886.601
7097_7098	7097	7098	2240.197	-110.855	0.482	2.878	63.123	-1932.8
7098_7098	7098	7098	-2240.2	110.855	2.56	0.233	-63.123	1932.8
7098_7099	7098	7099	2243.583	-90.147	-2.56	-0.233	42.635	-1143.49
7099_7099	7099	7099	-2243.58	90.147	5.502	2.315	-42.635	1143.492
7099_7100	7099	7100	2246.965	-69.44	-5.502	-2.315	-1.404	-519.958
7100_7100	7100	7100	-2246.99	25.887	-0.508	-0.117	1.404	520.067
7100_7101	7100	7101	2249.055	-10.382	0.508	0.117	1.64	-420.85
7101_7101	7101	7101	-2249.05	10.382	3.54	1.642	-1.64	420.848
7101_7102	7101	7102	2251.125	5.148	-3.54	-1.642	-19.611	-414.616

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7102_7102	7102	7102	-2251.12	-5.148	-4.307	-1.854	19.611	414.617
7102_7103	7102	7103	2253.197	20.679	4.307	1.854	6.245	-501.618
7103_7103	7103	7103	-2253.2	-20.679	-0.508	0.03	-6.245	501.619
7103_7104	7103	7104	2255.27	36.183	0.508	-0.03	9.289	-681.47
7104_7104	7104	7104	-2255.27	-79.978	-4.554	-1.79	-9.289	681.377
7104_7105	7104	7105	2257.357	100.685	4.554	1.79	45.738	-1414.31
7105_7105	7105	7105	-2257.36	-100.685	-1.611	0.897	-45.738	1414.31
7105_7106	7105	7106	2259.448	121.391	1.611	-0.897	58.632	-2312.94
7106_7106	7106	7106	-2259.45	-121.391	-1.699	0.781	-58.632	2312.943
7106_7107	7106	7107	2261.534	142.072	1.699	-0.781	72.217	-3375.87
7107_7107	7107	7107	-2261.52	-185.691	7.31	-2.93	-72.217	3375.919
7107_7108	7107	7108	2263.317	205.749	-7.31	2.93	15.539	-4902.13
7108_7108	7108	7108	-2263.32	-205.749	7.31	-2.93	-15.539	4902.127
7108_7109	7108	7109	2265.116	225.807	-7.31	2.93	-41.139	-6583.85
7109_7109	7109	7109	-2265.56	-225.809	9.68	4.45	41.203	6586.045
7109_7110	7109	7110	2267.855	251.096	-9.68	-4.45	-133.097	-8860.99
7110_7110	7110	7110	172.699	536.203	0.396	-19.841	-5.81	29249.36
7110_7111	7110	7111	-156.275	-497.477	-0.396	19.803	0.831	-22789.8
7111_7111	7111	7111	142.47	502.676	0.329	19.485	-4.889	22787.89
7111_7112	7111	7112	-124.718	-466.224	-0.329	-19.52	0.768	-16753.6
7112_7112	7112	7112	109.18	431.032	0.269	-2.852	1.147	16752.93
7112_7113	7112	7113	-92.552	-394.182	-0.269	2.864	-4.712	-11314.2
7113_7113	7113	7113	511.484	393.141	0.27	4.49	10.013	9003.574
7113_7114	7113	7114	-510.714	-363.353	-0.27	-4.484	-13.19	-4630.97
7114_7114	7114	7114	502.533	321.791	-0.058	1.451	13.299	4631.884
7114_7115	7114	7115	-487.405	-301.199	0.058	-1.453	-12.823	-2144.23
7115_7115	7115	7115	540.59	303.814	-0.094	0.186	12.609	1713.12
7115_7116	7115	7116	-492.241	-270.916	0.094	-0.186	-11.302	2077.869
7116_7116	7116	7116	492.242	231.798	-0.267	3.815	11.302	-2077.87
7116_7117	7116	7117	-456.219	-205.447	0.267	-3.815	-8.309	4357.075
7117_7117	7117	7117	456.219	205.447	-0.303	-3.054	8.309	-4357.07
7117_7118	7117	7118	-420.229	-179.121	0.303	3.054	-4.92	6339.693
7118_7118	7118	7118	420.224	144.149	-0.18	0.234	4.92	-6339.65
7118_7119	7118	7119	-386.69	-117.799	0.18	-0.234	-2.909	7648.438
7119_7119	7119	7119	386.69	117.799	-0.18	0.234	2.909	-7648.44
7119_7120	7119	7120	-353.156	-91.45	0.18	-0.234	-0.898	8662.339
7120_7120	7120	7120	353.163	53.476	-0.061	9.168	0.898	-8662.39
7120_7121	7120	7121	-320.289	-25.173	0.061	-9.168	-0.162	8979.983
7121_7121	7121	7121	320.289	25.173	-0.129	-9.125	0.162	-8979.98
7121_7122	7121	7122	-287.416	3.13	0.129	9.125	1.386	8957.341
7122_7122	7122	7122	287.415	-40.745	-0.15	4.101	-1.386	-8957.34
7122_7123	7122	7123	-259.954	67.092	0.15	-4.101	3.063	8223.031
7123_7123	7123	7123	259.954	-67.092	-0.186	-4.431	-3.063	-8223.03
7123_7124	7123	7124	-232.492	93.44	0.186	4.431	5.147	7193.879
7124_7124	7124	7124	232.492	-130.444	0.001	5.215	-5.147	-7193.88
7124_7125	7124	7125	-208.183	156.791	-0.001	-5.215	5.137	5469.378
7125_7125	7125	7125	208.183	-156.791	-0.072	-5.807	-5.137	-5469.38
7125_7126	7125	7126	-183.874	183.138	0.072	5.807	5.939	3450.07
7126_7126	7126	7126	183.881	-220.072	0.018	-0.205	-5.939	-3450.07
7126_7127	7126	7127	-156.828	251.905	-0.018	0.205	5.695	127.236
7127_7127	7127	7127	160.666	-250.031	-0.046	-0.447	-5.873	-86.252
7127_7128	7127	7128	-143.659	268.966	0.046	0.449	6.253	-2136.17
7128_7128	7128	7128	151.014	-311.698	-0.573	-5.094	-6.417	2136.776

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7128_7129	7128	7129	-134.47	339.001	0.573	5.092	13.157	-6058.75
7129_7129	7129	7129	134.449	-334.376	-1.354	8.769	-18.188	6111.898
7129_7130	7129	7130	-130.044	370.185	1.354	-8.743	36.169	-10855.9
7130_7130	7130	7130	144.095	-405.656	2.083	-6.125	-37.331	10858.06
7130_7131	7130	7131	-147.577	441.066	-2.083	6.057	11.189	-16215.6
7131_7131	7131	7131	163.379	-433.836	2.053	6.493	-9.87	16219.79
7131_7132	7131	7132	-171.789	468.98	-2.053	-6.567	-14.303	-21562.7
7132_7132	7132	7132	-1943.22	216.883	14.252	6.242	-176.674	5745.618
7132_7133	7132	7133	1946.295	-190.3	-14.252	-6.242	29.598	-3659.28
7133_7133	7133	7133	-1953.28	190.297	11.486	0.686	-28.989	3693.286
7133_7134	7133	7134	1955.948	-172.046	-11.486	-0.686	-60.029	-2301.97
7134_7134	7134	7134	-1955.98	172.046	6.046	-6.711	60.029	2301.96
7134_7135	7134	7135	1958.651	-153.772	-6.046	6.711	-106.945	-1050.56
7135_7135	7135	7135	-1958.63	115.356	-3.108	-0.792	106.945	1050.643
7135_7136	7135	7136	1961.993	-96.54	3.108	0.792	-82.113	-219.65
7136_7136	7136	7136	-1962	96.54	-0.451	0.328	82.113	219.65
7136_7137	7136	7137	1965.363	-77.701	0.451	-0.328	-78.504	461.753
7137_7137	7137	7137	-1965.36	77.701	-0.451	0.328	78.504	-461.753
7137_7138	7137	7138	1968.73	-58.861	0.451	-0.328	-74.895	992.437
7138_7138	7138	7138	-1968.73	19.779	-4.535	0.221	74.895	-992.492
7138_7139	7138	7139	1970.646	-5.649	4.535	-0.221	-47.685	1059.454
7139_7139	7139	7139	-1970.65	5.649	-1.015	-0.188	47.685	-1059.46
7139_7140	7139	7140	1972.572	8.481	1.015	0.188	-41.597	1041.637
7140_7140	7140	7140	-1972.57	-8.481	-1.015	-0.188	41.597	-1041.64
7140_7141	7140	7141	1974.494	22.61	1.015	0.188	-35.509	939.039
7141_7141	7141	7141	-1974.49	-22.61	-1.015	-0.188	35.509	-939.039
7141_7142	7141	7142	1976.416	36.74	1.015	0.188	-29.421	751.663
7142_7142	7142	7142	-1976.41	-77.827	-4.28	-0.883	29.421	-751.727
7142_7143	7142	7143	1978.108	96.667	4.28	0.883	4.819	44.743
7143_7143	7143	7143	-1978.11	-96.667	-1.64	0.273	-4.819	-44.743
7143_7144	7143	7144	1979.806	115.507	1.64	-0.273	17.937	-812.955
7144_7144	7144	7144	-1979.81	-115.507	-1.64	0.273	-17.937	812.955
7144_7145	7144	7145	1981.501	134.346	1.64	-0.273	31.055	-1821.37
7145_7145	7145	7145	-1981.51	-177.955	0.699	1.614	-31.055	1821.302
7145_7146	7145	7146	1982.971	196.206	-0.699	-1.614	25.641	-3279.33
7146_7146	7146	7146	-1982.97	-196.206	-2.027	-4.038	-25.641	3279.332
7146_7147	7146	7147	1984.435	214.457	2.027	4.038	41.348	-4878.82
7147_7147	7147	7147	-1972.32	-214.46	0.478	3.075	-41.36	4819.691
7147_7148	7147	7148	1973.783	238.931	-0.478	-3.075	36.821	-6981.65
7148_7148	7148	7148	172.05	461.823	-0.271	-8.659	-12.127	23548.33
7148_7149	7148	7149	-150.728	-424.353	0.271	8.628	15.539	-18013.5
7149_7149	7149	7149	138.875	430.479	-0.32	8.209	-17.258	18011.12
7149_7150	7149	7150	-116.833	-395.268	0.32	-8.238	21.276	-12869.5
7150_7150	7150	7150	103.053	358.123	1.751	-0.921	-20.431	12868.06
7150_7151	7150	7151	-84.736	-322.506	-1.751	0.942	-2.812	-8370.45
7151_7151	7151	7151	602.547	320.478	0.54	0.781	-7.286	5538.329
7151_7152	7151	7152	-597.859	-292.34	-0.54	-0.792	0.936	-2035.9
7152_7152	7152	7152	591.161	247.046	-0.24	-2.516	-0.88	2036.495
7152_7153	7152	7153	-572.035	-227.625	0.24	2.521	2.859	-179.684
7153_7153	7153	7153	603.402	231.022	-0.149	1.334	-3.27	14.452
7153_7154	7153	7154	-549.295	-199.649	0.149	-1.334	5.323	2712.425
7154_7154	7154	7154	549.289	157.459	0.074	0.113	-5.323	-2712.41
7154_7155	7154	7155	-509.279	-132.36	-0.074	-0.113	4.511	4132.9

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7155_7155	7155	7155	509.279	132.36	0.074	0.113	-4.511	-4132.9
7155_7156	7155	7156	-469.269	-107.261	-0.074	-0.113	3.699	5277.295
7156_7156	7156	7156	469.271	71.435	0.027	-4.046	-3.699	-5277.3
7156_7157	7156	7157	-434.731	-48.618	-0.027	4.046	3.428	5726.965
7157_7157	7157	7157	434.731	48.618	0.082	4.126	-3.428	-5726.97
7157_7158	7157	7158	-400.191	-25.8	-0.082	-4.126	2.608	5948.461
7158_7158	7158	7158	400.185	-7.249	0.07	-3.76	-2.608	-5948.43
7158_7159	7158	7159	-368.005	30.089	-0.07	3.76	1.911	5620.392
7159_7159	7159	7159	368.005	-30.089	0.125	3.674	-1.911	-5620.39
7159_7160	7159	7160	-335.856	52.906	-0.125	-3.674	0.664	5064.384
7160_7160	7160	7160	335.856	-90.042	0.106	-2.35	-0.664	-5064.37
7160_7161	7160	7161	-303.251	115.141	-0.106	2.35	-0.499	3791.841
7161_7161	7161	7161	303.251	-115.141	0.156	2.104	0.499	-3791.84
7161_7162	7161	7162	-270.646	140.24	-0.156	-2.104	-2.211	2243.215
7162_7162	7162	7162	270.645	-180.64	0.269	-0.241	2.211	-2243.23
7162_7163	7162	7163	-232.087	212.013	-0.269	0.241	-5.914	-627.96
7163_7163	7163	7163	236.051	-209.371	0.217	0.026	5.934	621.127
7163_7164	7163	7164	-213.662	228.834	-0.217	-0.026	-7.727	-2530.99
7164_7164	7164	7164	220.288	-273.645	0.061	-1.906	7.668	2531.734
7164_7165	7164	7165	-195.042	301.726	-0.061	1.915	-8.386	-6046.09
7165_7165	7165	7165	185.483	-295.532	0.208	2.361	10.947	6145.363
7165_7166	7165	7166	-170.75	331.765	-0.208	-2.352	-13.71	-10433
7166_7166	7166	7166	184.874	-377.857	-0.047	-6.402	13.021	10435.12
7166_7167	7166	7167	-182.741	413.643	0.047	6.379	-12.436	-15498.3
7167_7167	7167	7167	194.299	-406.436	-0.094	6.954	13.86	15501.75
7167_7168	7167	7168	-199.785	444.395	0.094	-6.979	-12.683	-20937.5
7168_7168	7168	7168	-1853.22	245.453	-1.627	-3.431	7.869	6026.325
7168_7169	7168	7169	1859.899	-220.648	1.627	3.431	7.59	-3841.1
7169_7169	7169	7169	-1866.2	220.633	0.678	1.496	-6.563	3871.857
7169_7170	7169	7170	1872.049	-201.878	-0.678	-1.496	1.312	-2259.96
7170_7170	7170	7170	-1872.05	201.878	0.678	1.496	-1.312	2259.957
7170_7171	7170	7171	1877.902	-183.124	-0.678	-1.496	-3.939	-793.405
7171_7171	7171	7171	-1877.88	135.794	0.782	0.551	3.939	793.299
7171_7172	7171	7172	1883.653	-116.435	-0.782	-0.551	-10.194	190.547
7172_7172	7172	7172	-1883.65	116.435	-1.804	-0.03	10.194	-190.547
7172_7173	7172	7173	1889.423	-97.075	1.804	0.03	4.237	1019.522
7173_7173	7173	7173	-1889.42	97.075	0.782	-0.411	-4.237	-1019.52
7173_7174	7173	7174	1895.194	-77.716	-0.782	0.411	-2.017	1693.614
7174_7174	7174	7174	-1895.2	33.295	0.872	-0.423	2.017	-1693.69
7174_7175	7174	7175	1899.023	-18.775	-0.872	0.423	-7.252	1833.047
7175_7175	7175	7175	-1899.02	18.775	-2.575	1.273	7.252	-1833.05
7175_7176	7175	7176	1902.847	-4.256	2.575	-1.273	8.199	1885.281
7176_7176	7176	7176	-1902.85	4.256	0.872	-0.439	-8.199	-1885.28
7176_7177	7176	7177	1906.674	10.264	-0.872	0.439	2.965	1850.398
7177_7177	7177	7177	-1906.67	-10.264	0.872	-0.439	-2.965	-1850.4
7177_7178	7177	7178	1910.5	24.783	-0.872	0.439	-2.269	1728.396
7178_7178	7178	7178	-1910.5	-69.747	0.626	-0.432	2.269	-1728.48
7178_7179	7178	7179	1914.842	89.106	-0.626	0.432	-7.277	1073.582
7179_7179	7179	7179	-1914.84	-89.106	-1.96	-0.334	7.277	-1073.58
7179_7180	7179	7180	1919.182	108.466	1.96	0.334	8.401	263.801
7180_7180	7180	7180	-1919.18	-108.466	0.626	0.646	-8.401	-263.802
7180_7181	7180	7181	1923.523	127.825	-0.626	-0.646	3.394	-700.849
7181_7181	7181	7181	-1923.51	-174.757	0.892	2.006	-3.394	700.756

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7181_7182	7181	7182	1927.672	193.511	-0.892	-2.006	-3.517	-2146.64
7182_7182	7182	7182	-1927.67	-193.511	0.892	2.006	3.517	2146.644
7182_7183	7182	7183	1931.837	212.266	-0.892	-2.006	-10.428	-3737.88
7183_7183	7183	7183	-1919.54	-212.261	-1.531	-3.74	10.144	3677.882
7183_7184	7183	7184	1924.332	237.067	1.531	3.74	4.399	-5833.83
7184_7184	7184	7184	165.767	455.41	0.35	7.356	-15.789	20661.16
7184_7185	7184	7185	-138.06	-417.742	-0.35	-7.382	11.392	-15191.9
7185_7185	7185	7185	126.312	425.08	0.398	-6.787	-9.876	15189.23
7185_7186	7185	7186	-98.989	-389.642	-0.398	6.764	4.881	-10099.9
7186_7186	7186	7186	85.061	349.358	-0.836	-0.613	-5.441	10098.45
7186_7187	7186	7187	-64.096	-313.418	0.836	0.614	16.541	-5698.74
7187_7187	7187	7187	565.903	312.933	0.163	0.762	-3.299	2953.043
7187_7188	7187	7188	-563.048	-283.581	-0.163	-0.746	1.387	475.693
7188_7188	7188	7188	556.463	235.247	0.061	-3.43	-1.323	-474.711
7188_7189	7188	7189	-540.994	-214.947	-0.061	3.429	0.817	2247.815
7189_7189	7189	7189	559.108	218.672	0.112	2.851	-0.776	-2244.24
7189_7190	7189	7190	-515.126	-184.415	-0.112	-2.851	-0.767	4828.161
7190_7190	7190	7190	515.127	140.736	-0.093	0.196	0.767	-4828.16
7190_7191	7190	7191	-481.881	-113.33	0.093	-0.196	0.256	6083.203
7191_7191	7191	7191	481.881	113.33	-0.093	0.196	-0.256	-6083.2
7191_7192	7191	7192	-448.634	-85.925	0.093	-0.196	1.28	7036.786
7192_7192	7192	7192	448.635	46.904	-0.02	0.071	-1.28	-7036.77
7192_7193	7192	7193	-420.438	-22.04	0.02	-0.071	1.478	7259.182
7193_7193	7193	7193	420.438	22.04	-0.02	0.022	-1.478	-7259.18
7193_7194	7193	7194	-392.213	2.849	0.02	-0.022	1.68	7233.297
7194_7194	7194	7194	392.213	-38.24	0.088	4.154	-1.68	-7233.32
7194_7195	7194	7195	-366.032	63.128	-0.088	-4.154	0.799	6613.07
7195_7195	7195	7195	366.032	-63.128	0.031	-4.329	-0.799	-6613.07
7195_7196	7195	7196	-339.852	88.017	-0.031	4.329	0.487	5744.181
7196_7196	7196	7196	339.848	-127.434	0.142	-0.219	-0.487	-5744.16
7196_7197	7196	7197	-313.48	154.84	-0.142	0.219	-1.08	4075.741
7197_7197	7197	7197	313.48	-154.84	0.142	-0.219	1.08	-4075.74
7197_7198	7197	7198	-287.113	182.245	-0.142	0.219	-2.647	2105.858
7198_7198	7198	7198	287.119	-223.726	-0.04	-0.614	2.647	-2105.87
7198_7199	7198	7199	-255.554	257.957	0.04	0.614	-2.101	-1343.39
7199_7199	7199	7199	258.623	-254.939	-0.096	0.431	2.065	1270.352
7199_7200	7199	7200	-239.408	276.145	0.096	-0.431	-1.274	-3555.25
7200_7200	7200	7200	247.197	-321.155	-0.433	2.57	1.356	3556.212
7200_7201	7200	7201	-225.595	351.745	0.433	-2.561	3.734	-7635.71
7201_7201	7201	7201	223.406	-344.302	-0.045	-4.502	-0.841	7708.659
7201_7202	7201	7202	-215.122	384.892	0.045	4.508	1.441	-12646.4
7202_7202	7202	7202	230.77	-429.03	-0.702	7.692	-0.47	12649.42
7202_7203	7202	7203	-231.73	468.913	0.702	-7.724	9.275	-18360.1
7203_7203	7203	7203	244.799	-460.627	-0.655	-8.192	-10.98	18364.66
7203_7204	7203	7204	-251.566	502.683	0.655	8.156	19.225	-24493
7204_7204	7204	7204	-2025.01	276.925	-6.843	2.283	168.373	7651.554
7204_7205	7204	7205	2029.891	-249.061	6.843	-2.283	-103.363	-5175.1
7205_7205	7205	7205	-2032.03	249.053	-9.644	-3.584	105.07	4936.689
7205_7206	7205	7206	2036.314	-227.804	9.644	3.584	-30.331	-3107.7
7206_7206	7206	7206	-2036.32	227.804	-6.677	1.285	30.331	3107.704
7206_7207	7206	7207	2040.6	-206.554	6.677	-1.285	21.415	-1443.42
7207_7207	7207	7207	-2040.63	155.419	-1.276	0.171	-21.415	1443.416
7207_7208	7207	7208	2044.725	-133.484	1.276	-0.171	31.624	-305.955

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7208_7208	7208	7208	-2044.73	133.484	-1.276	0.171	-31.624	305.955
7208_7209	7208	7209	2048.82	-111.549	1.276	-0.171	41.833	656.024
7209_7209	7209	7209	-2048.82	111.549	-4.15	-0.063	-41.833	-656.022
7209_7210	7209	7210	2052.912	-89.614	4.15	0.063	75.035	1442.523
7210_7210	7210	7210	-2052.93	38.787	0.311	-0.211	-75.035	-1442.5
7210_7211	7210	7211	2055.554	-22.336	-0.311	0.211	73.169	1614.015
7211_7211	7211	7211	-2055.55	22.336	0.311	-0.211	-73.169	-1614.02
7211_7212	7211	7212	2058.176	-5.885	-0.311	0.211	71.304	1686.818
7212_7212	7212	7212	-2058.17	5.885	-3.521	0.956	-71.304	-1686.82
7212_7213	7212	7213	2060.796	10.567	3.521	-0.956	92.431	1660.908
7213_7213	7213	7213	-2060.8	-10.567	0.311	-0.098	-92.431	-1660.91
7213_7214	7213	7214	2063.419	27.018	-0.311	0.098	90.565	1536.295
7214_7214	7214	7214	-2063.44	-78.899	2.474	0.664	-90.565	-1536.28
7214_7215	7214	7215	2066.232	100.835	-2.474	-0.664	70.773	804.328
7215_7215	7215	7215	-2066.23	-100.835	2.474	0.664	-70.773	-804.328
7215_7216	7215	7216	2069.026	122.77	-2.474	-0.664	50.981	-103.11
7216_7216	7216	7216	-2069.03	-122.77	-0.4	-0.932	-50.981	103.111
7216_7217	7216	7217	2071.822	144.705	0.4	0.932	54.181	-1186.04
7217_7217	7217	7217	-2071.86	-196.327	6.697	-18.879	-54.181	1185.847
7217_7218	7217	7218	2074.33	217.577	-6.697	18.879	2.279	-2801.44
7218_7218	7218	7218	-2074.33	-217.577	6.697	-18.879	-2.279	2801.441
7218_7219	7218	7219	2076.799	238.827	-6.697	18.879	-49.623	-4581.72
7219_7219	7219	7219	-2068.74	-238.826	28.242	39.679	49.69	4796.974
7219_7220	7219	7220	2071.595	266.69	-28.242	-39.679	-317.987	-7212.05
7220_7220	7220	7220	211.757	501.801	1.476	-33.684	-21.208	23930.54
7220_7221	7220	7221	-189.083	-460.064	-1.476	33.671	2.649	-17895.1
7221_7221	7221	7221	176.09	468.05	1.33	33.554	-9.72	17891.59
7221_7222	7221	7222	-153.996	-428.497	-1.33	-33.566	-6.974	-12278.9
7222_7222	7222	7222	138.833	389.586	-1.784	-2.79	10.181	12278.05
7222_7223	7222	7223	-121.348	-349.295	1.784	2.718	13.513	-7371.59
7223_7223	7223	7223	616.385	349.141	0.76	2.818	-10.417	4599.157
7223_7224	7223	7224	-615.559	-317	-0.76	-2.802	1.492	-757.583
7224_7224	7224	7224	608.173	267.765	0.695	10.989	-1.545	758.639
7224_7225	7224	7225	-592.204	-245.507	-0.695	-10.993	-4.19	1271.041
7225_7225	7225	7225	566.511	249.816	0.497	-7.95	4.45	-1077.36
7225_7226	7225	7226	-522.093	-207.96	-0.497	7.95	-11.893	4309.848
7226_7226	7226	7226	522.11	158.846	0.503	15.523	11.893	-4310.04
7226_7227	7226	7227	-489.059	-126.359	-0.503	-15.523	-17.735	5822.141
7227_7227	7227	7227	489.059	126.359	0.309	-15.015	17.735	-5822.14
7227_7228	7227	7228	-456.032	-93.896	-0.309	15.015	-21.328	6956.128
7228_7228	7228	7228	456.027	46.122	0.289	20.085	21.328	-6955.98
7228_7229	7228	7229	-425.092	-13.655	-0.289	-20.085	-24.684	7166.787
7229_7229	7229	7229	425.088	13.655	0.05	-20.418	24.684	-7166.78
7229_7230	7229	7230	-394.147	18.817	-0.05	20.418	-25.259	7000.578
7230_7230	7230	7230	394.02	-69.924	1.58	14.385	25.259	-6999.84
7230_7231	7230	7231	-365.35	103.801	-1.58	-14.385	-44.405	5820.247
7231_7231	7231	7231	365.368	-103.801	1.354	-15.668	44.405	-5820.26
7231_7232	7231	7232	-336.668	137.714	-1.354	15.668	-60.819	4228.382
7232_7232	7232	7232	336.759	-184.441	0	10.87	60.819	-4228.04
7232_7233	7232	7233	-328.719	193.011	0	-10.87	-60.819	3613.942
7233_7233	7233	7233	336.968	-190.429	-0.324	2.913	65.627	-3645.2
7233_7234	7233	7234	-320.067	207.47	0.324	-2.924	-63.697	2384.24
7234_7234	7234	7234	323.426	-202.797	-0.4	-2.825	63.621	-2383.59

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7234_7235	7234	7235	-298.115	226.973	0.4	2.782	-60.268	463.732
7235_7235	7235	7235	301.656	-222.534	-0.489	-5.613	60.148	-462.974
7235_7236	7235	7236	-285.122	239.032	0.489	5.567	-57.38	-928.279
7236_7236	7236	7236	288.083	-290.702	0.095	-6.068	57.262	928.042
7236_7237	7236	7237	-273.685	327.922	-0.095	6.277	-58.267	-4345.5
7237_7237	7237	7237	221.388	-322.708	-0.661	5.016	129.527	4703.941
7237_7238	7237	7238	-220.192	357.497	0.661	-4.714	-123.208	-8012.26
7238_7238	7238	7238	230.756	-379.892	3.966	-23.454	120.67	8013.25
7238_7239	7238	7239	-233.735	415.362	-3.966	23.115	-158.107	-11829
7239_7239	7239	7239	233.474	-415.411	3.847	15.501	162.016	11829.21
7239_7240	7239	7240	-237.953	456.253	-3.847	-15.84	-202.323	-16459
7240_7240	7240	7240	-1819.45	307.507	-61.413	-5.379	1198.243	4392.225
7240_7241	7240	7241	1825.805	-280.764	61.413	5.379	-723.459	-2145.42
7241_7241	7241	7241	-1823.02	280.755	-54.373	4.416	726.668	2131.107
7241_7242	7241	7242	1830.284	-251.596	54.373	-4.416	-261.476	115.047
7242_7242	7242	7242	-1830.38	251.596	-49.981	5.992	261.476	-115.072
7242_7243	7242	7243	1837.348	-223.629	49.981	-5.992	148.657	2035.031
7243_7243	7243	7243	-1838.67	166.117	-16.214	3.411	-148.657	-2035.29
7243_7244	7243	7244	1843.171	-131.578	16.214	-3.411	312.971	3523.545
7244_7244	7244	7244	-1843.2	131.578	-11.19	-2.488	-312.971	-3523.55
7244_7245	7244	7245	1847.419	-99.221	11.19	2.488	419.21	4600.232
7245_7245	7245	7245	-1847.03	54.427	-12.869	5.204	-419.21	-4599.34
7245_7246	7245	7246	1851.011	-19.185	12.869	-5.204	552.282	4961.747
7246_7246	7246	7246	-1851.04	19.185	-7.492	-4.403	-552.282	-4961.75
7246_7247	7246	7247	1854.613	12.437	7.492	4.403	621.796	4976.756
7247_7247	7247	7247	-1854.67	-64.027	-2.383	7.061	-621.796	-4976
7247_7248	7247	7248	1857.302	96.031	2.383	-7.061	644.17	4211.959
7248_7248	7248	7248	-1857.29	-96.031	6.235	-4.784	-644.17	-4211.97
7248_7249	7248	7249	1860.164	130.925	-6.235	4.784	580.341	3036.511
7249_7249	7249	7249	-1860.51	-177.811	24.794	0.58	-580.341	-3036.1
7249_7250	7249	7250	1862.684	211.856	-24.794	-0.58	332.665	1078.975
7250_7250	7250	7250	-1862.61	-211.856	30.453	1.5	-332.665	-1078.98
7250_7251	7250	7251	1864.712	244.677	-30.453	-1.5	39.403	-1129.73
7251_7251	7251	7251	-1863.64	-294.178	-11.268	-48.822	-39.403	1128.584
7251_7252	7251	7252	1863.218	320.596	11.268	48.822	126.747	-3511.45
7252_7252	7252	7252	-1859.78	-320.594	-2.316	-27.496	-127.285	3494.885
7252_7253	7252	7253	1859.271	353.439	2.316	27.496	149.277	-6695.1
7253_7253	7253	7253	191.64	458.844	-46.08	97.662	22.652	18373
7253_7254	7253	7254	-176.898	-430.539	46.08	-97.896	314.107	-15127.8
7254_7254	7254	7254	160.453	373.772	28.088	-14.037	-299.879	15120.99
7254_7255	7254	7255	-139.539	-330.218	-28.088	14.202	-27.168	-11017.6
7255_7255	7255	7255	131.652	336.281	28.096	18.852	24.144	11014.98
7255_7256	7255	7256	-115.086	-299.864	-28.096	-18.731	-306.984	-7809.69
7256_7256	7256	7256	106.845	264.273	-12.372	-12.725	308.765	7807.703
7256_7257	7256	7257	-97.787	-230.977	12.372	12.719	-192.453	-5459.13
7257_7257	7257	7257	39.545	236.27	-12.384	1.527	192.472	5744.483
7257_7258	7257	7258	-36.32	-214.926	12.384	-1.53	-103.961	-4107.71
7258_7258	7258	7258	33.396	217.362	-12.381	8.571	103.766	4107.225
7258_7259	7258	7259	-34.088	-202.192	12.381	-8.572	-40.63	-3015.84
7259_7259	7259	7259	531.557	150.129	1.282	12.922	-2.722	547.189
7259_7260	7259	7260	-565.877	-126.213	-1.282	-12.913	-7.223	669.343
7260_7260	7260	7260	589.122	130.151	1.194	-1.776	6.349	-938.834
7260_7261	7260	7261	-621.834	-103.927	-1.194	1.776	-16.711	2110.68

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7261_7261	7261	7261	621.834	103.927	1.131	-9.123	16.711	-2110.68
7261_7262	7261	7262	-652.195	-79.587	-1.131	9.123	-25.823	2994.619
7262_7262	7262	7262	652.201	13.996	0.476	9.496	25.823	-2994.65
7262_7263	7262	7263	-700.275	20.995	-0.476	-9.496	-31.332	3182.201
7263_7263	7263	7263	700.274	-20.995	0.358	-8.627	31.332	-3182.19
7263_7264	7263	7264	-747.901	55.66	-0.358	8.627	-35.435	2968.388
7264_7264	7264	7264	747.931	-109.456	0.824	14.478	35.435	-2968.48
7264_7265	7264	7265	-798.181	144.843	-0.824	-14.478	-45.091	1716.44
7265_7265	7265	7265	798.176	-144.843	0.623	-15.378	45.091	-1716.42
7265_7266	7265	7266	-846.848	179.119	-0.623	15.378	-52.157	108.54
7266_7266	7266	7266	846.947	-236.153	0.506	6.549	52.157	-108.351
7266_7267	7266	7267	-897.966	270.809	-0.506	-6.549	-57.96	-2559.34
7267_7267	7267	7267	897.968	-270.809	0.338	-8.844	57.96	2559.348
7267_7268	7267	7268	-949.459	305.787	-0.338	8.844	-61.877	-5654.81
7268_7268	7268	7268	949.605	-372.915	5.394	1.837	61.877	5655.787
7268_7269	7268	7269	-968.977	384.986	-5.394	-1.837	-83.429	-7078.98
7269_7269	7269	7269	890.684	-379.208	5.072	-4.727	78.038	7726.042
7269_7270	7269	7270	-907.977	411.084	-5.072	4.698	-127.567	-11466.4
7270_7270	7270	7270	916.698	-400.852	4.932	-0.963	127.638	11465.22
7270_7271	7270	7271	-893.584	434.999	-4.932	0.887	-178.2	-15738.1
7271_7271	7271	7271	786.983	-488.524	-13.673	-31.857	157.855	16455
7271_7272	7271	7272	-733.64	535.859	13.673	31.677	10.123	-22826.9
7272_7272	7272	7272	747.786	-525.39	-13.868	28.035	-6.19	22826.36
7272_7273	7272	7273	-682.309	575.619	13.868	-28.26	179.392	-29841.9
7273_7273	7273	7273	696.995	-586.948	23.479	-53.226	-187.331	29848.49
7273_7274	7273	7274	-669.146	610.096	-23.479	53.288	56.412	-33254.9
7274_7274	7274	7274	678.161	-604.479	23.367	3.899	-50.744	33255.51
7274_7275	7274	7275	-641.026	638.78	-23.367	-3.796	-137.341	-38364
7275_7275	7275	7275	-2409.18	468.632	28.295	37.782	605.42	12129.24
7275_7276	7275	7276	2477.451	-448.548	-28.295	-37.782	-761.018	-9899.69
7276_7276	7276	7276	-2942.42	385.71	-64.167	-22.679	928.534	12099.96
7276_7277	7276	7277	2945.92	-370.982	64.167	22.679	-671.978	-10601.4
7277_7277	7277	7277	-2952.14	370.968	-58.742	-8.965	676.137	10889.53
7277_7278	7277	7278	2961.375	-336.104	58.742	8.965	-81.052	-7346.44
7278_7278	7278	7278	-2961.53	336.104	-49.434	14.124	81.052	7346.412
7278_7279	7278	7279	2969.936	-304.368	49.434	-14.124	374.807	-4428.29
7279_7279	7279	7279	-2969.57	226.392	-19.135	-6.409	-374.807	4429.033
7279_7280	7279	7280	2973.207	-186.213	19.135	6.409	598.204	-2035.49
7280_7280	7280	7280	-2973.25	186.213	-5.608	5.472	-598.204	2035.471
7280_7281	7280	7281	2977.053	-144.289	5.608	-5.472	666.523	-38.046
7281_7281	7281	7281	-3027.18	107.524	-1.076	0.072	-678.477	272.185
7281_7282	7281	7282	3036.309	-71.238	1.076	-0.072	691.815	796.389
7282_7282	7282	7282	-3036.3	71.238	7.972	-0.018	-691.815	-796.395
7282_7283	7282	7283	3044.74	-37.675	-7.972	0.018	600.426	1384.427
7283_7283	7283	7283	-3045.26	-62.231	-6.435	-0.854	-600.426	-1384.67
7283_7284	7283	7284	3045.838	93.577	6.435	0.854	669.317	547.47
7284_7284	7284	7284	-3045.84	-93.577	6.576	0.646	-669.317	-547.471
7284_7285	7284	7285	3046.358	122.023	-6.576	-0.646	605.431	-502.732
7285_7285	7285	7285	-3046.69	-183.214	99.3	-10.357	-605.431	502.625
7285_7286	7285	7286	3047.234	207.135	-99.3	10.357	-205.871	-2100.49
7286_7286	7286	7286	-3047.06	-207.135	104.773	-5.1	205.871	2100.503
7286_7287	7286	7287	3047.551	228.645	-104.773	5.1	-975.59	-3704.17
7287_7287	7287	7287	-3039.72	-228.646	111.91	-4.307	976.001	3400.439

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7287_7288	7287	7288	3040.15	254.049	-111.91	4.307	-1872.78	-5337.05
7288_7288	7288	7288	262.328	846.381	-20.682	-25.837	324.741	29982.15
7288_7289	7288	7289	-246.185	-800.299	20.682	25.854	-61.799	-19562.5
7289_7289	7289	7289	233.556	804.675	-20.756	44.368	55.703	19560.9
7289_7290	7289	7290	-217.205	-766.38	20.756	-44.356	173.531	-10932.5
7290_7290	7290	7290	195.394	698.404	5.153	-9.09	-169.209	10932.91
7290_7291	7290	7291	-185.584	-673.515	-5.153	9.103	131.194	-5899.35
7291_7291	7291	7291	171.88	678.239	5.133	0.483	-131.593	5898.419
7291_7292	7291	7292	-161.19	-649.292	-5.133	-0.473	86.877	-147.671
7292_7292	7292	7292	127.75	653.185	5.09	12.306	-85.359	258.299
7292_7293	7292	7293	-122.724	-640.889	-5.09	-12.304	63.617	2487.455
7293_7293	7293	7293	113.831	588.381	-0.895	11.1	-63.451	-2487.89
7293_7294	7293	7294	-109.064	-567.875	0.895	-11.102	69.837	6595.563
7294_7294	7294	7294	106.45	568.755	-0.939	3.231	-69.784	-6595.65
7294_7295	7294	7295	-101.516	-544.081	0.939	-3.231	77.852	11356.36
7295_7295	7295	7295	126.673	544.171	-0.897	-18.723	-78.417	-11498
7295_7296	7295	7296	-122.967	-520.736	0.897	18.723	84.741	15236.23
7296_7296	7296	7296	23.521	449.149	3.321	25.405	-59.296	-14677.3
7296_7297	7296	7297	-28.09	-412.777	-3.321	-25.405	22.814	19437.9
7297_7297	7297	7297	28.1	412.777	3.285	-15.737	-22.814	-19437.9
7297_7298	7297	7298	-32.838	-375.058	-3.285	15.737	-14.611	23952.76
7298_7298	7298	7298	32.779	309.917	0.407	50.694	14.611	-23955.4
7298_7299	7298	7299	-37.833	-272.746	-0.407	-50.694	-19.185	27253.79
7299_7299	7299	7299	37.835	272.746	0.358	-36.115	19.185	-27253.8
7299_7300	7299	7300	-43.51	-231.016	-0.358	36.115	-23.694	30459.5
7300_7300	7300	7300	43.491	162.653	0.01	50.426	23.694	-30462.9
7300_7301	7300	7301	-51.212	-122.313	-0.01	-50.426	-23.82	32239.08
7301_7301	7301	7301	51.213	122.313	-0.034	-44.128	23.82	-32239.1
7301_7302	7301	7302	-58.594	-83.749	0.034	44.128	-23.427	33477.55
7302_7302	7302	7302	58.594	14.208	0.548	56.533	23.427	-33480.8
7302_7303	7302	7303	-69.031	28.106	-0.548	-56.533	-30.436	33444.8
7303_7303	7303	7303	69.034	-28.106	0.498	-58.094	30.436	-33444.8
7303_7304	7303	7304	-78.057	64.687	-0.498	58.094	-35.934	32977.79
7304_7304	7304	7304	78.052	-135.711	0.412	54.79	35.934	-32981.4
7304_7305	7304	7305	-89.333	173.963	-0.412	-54.79	-40.698	31248.66
7305_7305	7305	7305	89.336	-173.963	0.364	-47.87	40.698	-31248.7
7305_7306	7305	7306	-101.314	214.577	-0.364	47.87	-45.163	28925.19
7306_7306	7306	7306	101.283	-289.074	-0.335	47.187	45.163	-28927.9
7306_7307	7306	7307	-114.096	328.421	0.335	-47.187	-41.183	25321.8
7307_7307	7307	7307	114.092	-328.421	-0.389	-46.488	41.183	-25321.8
7307_7308	7307	7308	-126.963	367.947	0.389	46.488	-36.534	21228.47
7308_7308	7308	7308	127.132	-456.661	7.813	28.391	36.534	-21230.3
7308_7309	7308	7309	-140.866	496.39	-7.813	-28.391	-130.296	15579.57
7309_7309	7309	7309	140.911	-496.39	7.755	-31.147	130.296	-15579.6
7309_7310	7309	7310	-154.436	535.512	-7.755	31.147	-221.942	9549.204
7310_7310	7310	7310	153.991	-636.406	-16.592	-1.809	221.942	-9549.37
7310_7311	7310	7311	-175.451	680.689	16.592	1.809	0	847.149
7400_7020	7400	7020	2609.681	-245.795	50.853	0.762	-405.56	-3721.16
7400_7401	7400	7401	-2610.73	249.776	-50.853	-0.762	197.601	2707.856
7401_7401	7401	7401	2607.83	-244.628	18.542	-0.274	-194.046	-2707.95
7401_7402	7401	7402	-2608.74	248.022	-18.542	0.274	129.342	1848.391
7402_7402	7402	7402	2613.968	-185.359	13.427	-0.865	-130.393	-1848.32
7402_7403	7402	7403	-2617.06	195.915	-13.427	0.865	-16.297	-234.317

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7403_7403	7403	7403	2616.626	-119.643	0.126	-0.739	14.01	234.31
7403_7404	7403	7404	-2618.88	126.54	-0.126	0.739	-14.921	-1121.56
7404_7404	7404	7404	2621.117	-65.546	-1.483	-0.391	15.145	1121.56
7404_7405	7404	7405	-2623.53	72.393	1.483	0.391	-4.453	-1618.93
7405_7405	7405	7405	2623.412	14.704	0.313	-0.447	3.499	1618.927
7405_7406	7405	7406	-2628.72	-1.205	-0.313	0.447	-8.005	-1504.33
7406_7406	7406	7406	2628.468	88.814	-1.063	-0.485	7.941	1504.322
7406_7407	7406	7407	-2632.02	-80.632	1.063	0.485	1.48	-753.652
7407_7407	7407	7407	2629.756	135.74	-1.314	-0.384	-1.458	753.652
7407_7408	7407	7408	-2632.21	-130.4	1.314	0.384	8.758	-14.252
7408_7408	7408	7408	2607.865	-428.092	-0.095	-2.213	-9.39	14.26
7408_7409	7408	7409	-2608.56	431.209	0.095	2.213	9.678	-1311.53
7409_7409	7409	7409	2603.94	413.455	-1.665	1.132	-9.433	1312.211
7409_7410	7409	7410	-2603.24	-410.328	1.665	-1.132	14.476	-64.56
7410_7410	7410	7410	2627.462	-149.148	2.051	-0.811	-13.383	64.558
7410_7411	7410	7411	-2625.01	154.487	-2.051	0.811	1.988	-907.982
7411_7411	7411	7411	2627.667	-99.516	1.131	-0.457	-2.14	907.982
7411_7412	7411	7412	-2624.11	107.695	-1.131	0.457	-7.882	-1825.75
7412_7412	7412	7412	2628.684	-19.851	0.126	-0.591	7.971	1825.768
7412_7413	7412	7413	-2623.38	33.354	-0.126	0.591	-9.787	-2209.12
7413_7413	7413	7413	2627.225	53.758	-0.635	0.346	9.671	2209.157
7413_7414	7413	7414	-2624.81	-46.907	0.635	-0.346	-5.087	-1845.96
7414_7414	7414	7414	2623.053	106.826	1.482	-1.28	5.588	1845.962
7414_7415	7414	7415	-2620.8	-99.934	-1.482	1.28	-16.263	-1101.31
7415_7415	7415	7415	2623.074	176.978	-10.538	-1.057	18.239	1101.344
7415_7416	7415	7416	-2619.98	-166.424	10.538	1.057	96.871	774.15
7416_7416	7416	7416	2615.307	228.51	-8.532	1.849	-97.031	-774.129
7416_7417	7416	7417	-2614.4	-225.12	8.532	-1.849	126.769	1564.673
7417_7417	7417	7417	2617.529	231.484	-30.343	-1.118	-127.694	-1564.65
7417_7036	7417	7036	-2616.48	-227.497	30.343	1.118	251.949	2504.401
7420_7056	7420	7056	2194.473	-229.012	35.862	0.897	-202.702	-3857.9
7420_7421	7420	7421	-2195.4	232.546	-35.862	-0.897	55.811	2912.62
7421_7421	7421	7421	2192.128	-227.794	5.672	0.552	-57.021	-2912.59
7421_7422	7421	7422	-2192.93	230.8	-5.672	-0.552	37.241	2112.934
7422_7422	7422	7422	2197.839	-178.14	4.196	-0.008	-37.643	-2112.93
7422_7423	7422	7423	-2200.58	187.488	-4.196	0.008	-8.173	116.817
7423_7423	7423	7423	2200.415	-124.811	0.748	0.021	6.11	-116.821
7423_7424	7423	7424	-2202.41	130.929	-0.748	-0.021	-11.504	-805.732
7424_7424	7424	7424	2204.898	-78.681	-0.943	0.374	11.722	805.729
7424_7425	7424	7425	-2207.04	84.745	0.943	-0.374	-4.923	-1394.79
7425_7425	7425	7425	2207.175	-12.519	-0.174	0.257	4.628	1394.787
7425_7426	7425	7426	-2211.88	24.485	0.174	-0.257	-2.113	-1661.43
7426_7426	7426	7426	2211.703	49.637	1.168	-0.037	2.094	1661.428
7426_7427	7426	7427	-2214.85	-42.394	-1.168	0.037	-12.437	-1254
7427_7427	7427	7427	2213.526	87.58	-0.719	0.76	12.916	1253.997
7427_7428	7427	7428	-2215.71	-82.815	0.719	-0.76	-8.919	-780.353
7428_7428	7428	7428	2190.077	-388.578	-3.49	-0.074	9.917	780.355
7428_7429	7428	7429	-2190.7	391.366	3.49	0.074	0.656	-1961.79
7429_7429	7429	7429	2192.364	394.925	-3.154	0.533	-0.759	1964.056
7429_7430	7429	7430	-2191.74	-392.146	3.154	-0.533	10.284	-775.657
7430_7430	7430	7430	2218.938	-77.851	2.979	-0.744	-8.765	775.657
7430_7431	7430	7431	-2216.75	82.615	-2.979	0.744	-7.796	-1221.7
7431_7431	7431	7431	2217.974	-37.503	-0.168	0.818	7.031	1221.706

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7431_7432	7431	7432	-2214.83	44.745	0.168	-0.818	-5.543	-1585.77
7432_7432	7432	7432	2215.703	29.703	-0.227	0.253	5.891	1585.784
7432_7433	7432	7433	-2211	-17.732	0.227	-0.253	-2.613	-1243.85
7433_7433	7433	7433	2211.704	89.282	1.174	0.28	3.734	1243.866
7433_7434	7433	7434	-2209.56	-83.221	-1.174	-0.28	-12.194	-622.361
7434_7434	7434	7434	2206.972	135.537	0.009	0.327	12.087	622.363
7434_7435	7434	7435	-2204.97	-129.422	-0.009	-0.327	-12.149	332.93
7435_7435	7435	7435	2204.727	192.719	-13.223	0.45	15.329	-332.923
7435_7436	7435	7436	-2201.99	-183.369	13.223	-0.45	129.092	2386.696
7436_7436	7436	7436	2197.001	235.511	-16.413	-0.058	-128.092	-2386.75
7436_7437	7436	7437	-2196.2	-232.508	16.413	0.058	185.289	3202.221
7437_7437	7437	7437	2199.737	237.791	-30.774	-0.905	-191.399	-3202.15
7437_7072	7437	7072	-2198.81	-234.261	30.774	0.905	317.348	4168.134
7440_7094	7440	7094	2490.778	-213.564	25.882	0.324	-118.109	-2533.66
7440_7441	7440	7441	-2491.7	217.065	-25.882	-0.324	12.068	1651.496
7441_7441	7441	7441	2486.572	-211.114	1.976	-0.099	-13.222	-1651.5
7441_7442	7441	7442	-2487.37	214.093	-1.976	0.099	6.326	909.479
7442_7442	7442	7442	2491.826	-153.739	1.345	-0.18	-6.395	-909.479
7442_7443	7442	7443	-2494.54	162.995	-1.345	0.18	-8.283	-819.427
7443_7443	7443	7443	2494.708	-90.444	-0.442	0.183	7.583	819.422
7443_7444	7443	7444	-2496.69	96.5	0.442	-0.183	-4.399	-1493.42
7444_7444	7444	7444	2498.273	-37.32	0.253	-0.338	4.255	1493.415
7444_7445	7444	7445	-2500.39	43.323	-0.253	0.338	-6.076	-1783.95
7445_7445	7445	7445	2500.535	38.28	-0.828	-0.01	7.175	1783.946
7445_7446	7445	7446	-2505.19	-26.416	0.828	0.01	4.77	-1317.36
7446_7446	7446	7446	2503.642	112.779	3.46	-0.1	-4.41	1317.357
7446_7447	7446	7447	-2506.76	-105.61	-3.46	0.1	-26.21	-351.12
7447_7447	7447	7447	2504.128	156.062	-2.05	0.123	26.547	351.094
7447_7448	7447	7448	-2506.3	-151.34	2.05	-0.123	-15.152	503.397
7448_7448	7448	7448	2490.822	-381.374	-3.5	3.518	17.228	-503.393
7448_7449	7448	7449	-2491.44	384.132	3.5	-3.518	-6.644	-654.155
7449_7449	7449	7449	2490.914	381.799	5.227	-3.736	6.693	654.363
7449_7450	7449	7450	-2490.3	-379.04	-5.227	3.736	-22.504	496.248
7450_7450	7450	7450	2508.437	-153.759	-1.861	0.127	21.741	-496.228
7450_7451	7450	7451	-2506.27	158.48	1.861	-0.127	-11.396	-371.752
7451_7451	7451	7451	2508.95	-108.044	-0.98	-0.231	11.452	371.751
7451_7452	7451	7452	-2505.83	115.213	0.98	0.231	-2.776	-1359.52
7452_7452	7452	7452	2510.614	-28.938	0.074	-0.078	1.876	1359.528
7452_7453	7452	7453	-2505.96	40.801	-0.074	0.078	-2.941	-1862.46
7453_7453	7453	7453	2509.621	40.743	0.501	-0.125	2.731	1862.471
7453_7454	7453	7454	-2507.5	-34.74	-0.501	0.125	-6.343	-1590.57
7454_7454	7454	7454	2505.973	94.148	-0.105	0.115	6.211	1590.565
7454_7455	7454	7455	-2503.99	-88.093	0.105	-0.115	-5.453	-933.613
7455_7455	7455	7455	2507.024	161.187	-1.033	0.216	6.53	933.623
7455_7456	7455	7456	-2504.31	-151.924	1.033	-0.216	4.758	776.63
7456_7456	7456	7456	2500.103	210.076	-3.123	-0.338	-4.574	-776.631
7456_7457	7456	7457	-2499.31	-207.106	3.123	0.338	15.442	1502.447
7457_7457	7457	7457	2504.538	214.703	-19.881	-0.252	-14.191	-1502.43
7457_7110	7457	7110	-2503.62	-211.203	19.881	0.252	95.629	2374.725
7460_7132	7460	7132	2187.214	-313.49	-33.737	-0.987	285.219	-4139.28
7460_7461	7460	7461	-2188.13	317.722	33.737	0.987	-119.845	2592.198
7461_7461	7461	7461	2195.432	-215.321	-11.783	-0.118	117.252	-2592.23
7461_7462	7461	7462	-2196.23	218.299	11.783	0.118	-76.151	1835.969

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7462_7462	7462	7462	2200.842	-165.541	-9.812	-0.264	76.619	-1835.95
7462_7463	7462	7463	-2203.56	174.801	9.812	0.264	30.532	-22.385
7463_7463	7463	7463	2233.154	-112.187	0.039	0.042	-26.571	22.358
7463_7464	7463	7464	-2235.13	118.24	-0.039	-0.042	26.287	-852.703
7464_7464	7464	7464	2237.306	-65.227	3.195	-0.55	-26.708	852.69
7464_7465	7464	7465	-2239.43	71.226	-3.195	0.55	3.7	-1344.04
7465_7465	7465	7465	2272.366	-5.855	0.208	-0.108	-1.946	1343.978
7465_7466	7465	7466	-2277.02	17.713	-0.208	0.108	-1.05	-1513.88
7466_7466	7466	7466	2317.287	44.394	-3.145	0.192	3.417	1513.796
7466_7467	7466	7467	-2320.41	-37.22	3.145	-0.192	24.427	-1152.48
7467_7467	7467	7467	2319.152	84.926	-0.971	-0.368	-24.906	1152.472
7467_7468	7467	7468	-2321.32	-80.206	0.971	0.368	30.301	-693.612
7468_7468	7468	7468	2338.392	-444.774	4.757	-5.198	-30.117	693.536
7468_7469	7468	7469	-2339.01	447.531	-4.757	5.198	15.738	-2042.25
7469_7469	7469	7469	2337.207	444.79	-6.131	5.014	-20.872	2038.571
7469_7470	7469	7470	-2336.59	-442.033	6.131	-5.014	39.405	-698.161
7470_7470	7470	7470	2321.277	-82.478	2.854	-0.376	-39.006	698.148
7470_7471	7470	7471	-2319.11	87.197	-2.854	0.376	23.146	-1169.63
7471_7471	7471	7471	2320.428	-38.443	3.303	-0.114	-23.051	1169.634
7471_7472	7471	7472	-2317.31	45.626	-3.303	0.114	-6.223	-1542.2
7472_7472	7472	7472	2280.642	15.539	-0.355	-0.118	3.378	1542.292
7472_7473	7472	7473	-2275.99	-3.69	0.355	0.118	1.735	-1403.76
7473_7473	7473	7473	2247.769	71.781	1.175	-0.565	-2.903	1403.729
7473_7474	7473	7474	-2245.65	-65.773	-1.175	0.565	-5.573	-907.764
7474_7474	7474	7474	2243.513	117.948	-1.974	0.602	5.134	907.766
7474_7475	7474	7475	-2241.53	-111.895	1.974	-0.602	9.093	-79.528
7475_7475	7475	7475	2219.445	174.875	4.3	0.23	-10.254	79.526
7475_7476	7475	7476	-2216.73	-165.615	-4.3	-0.23	-36.7	1779.642
7476_7476	7476	7476	2212.12	218.751	4.736	-0.291	36.599	-1779.64
7476_7477	7476	7477	-2211.33	-215.774	-4.736	0.291	-53.117	2537.491
7477_7477	7477	7477	2215.18	220.288	3.993	0.589	55.942	-2537.46
7477_7148	7477	7148	-2214.26	-216.789	-3.993	-0.589	-72.291	3432.328
7480_7168	7480	7168	2154.105	-239.326	-24.274	-0.457	97.932	-4485.74
7480_7481	7480	7481	-2155.03	242.825	24.274	0.457	1.467	3498.576
7481_7481	7481	7481	2152.248	-238.797	-3.969	-5.845	-1.858	-3498.52
7481_7482	7481	7482	-2153.04	241.774	3.969	5.845	15.702	2660.374
7482_7482	7482	7482	2158.227	-190.055	1.595	1.574	-13.776	-2660.39
7482_7483	7482	7483	-2160.94	199.315	-1.595	-1.574	-3.648	534.321
7483_7483	7483	7483	2200.218	-138.371	-0.653	-0.192	6.759	-534.357
7483_7484	7483	7484	-2202.2	144.424	0.653	0.192	-2.051	-484.706
7484_7484	7484	7484	2204.959	-93.198	-0.565	-0.259	2.039	484.706
7484_7485	7484	7485	-2207.08	99.206	0.565	0.259	2.038	-1178.44
7485_7485	7485	7485	2253.33	-34.253	-0.748	-0.091	2.298	1178.378
7485_7486	7485	7486	-2257.99	46.11	0.748	0.091	8.484	-1757.71
7486_7486	7486	7486	2314.932	14.655	-1.318	0.502	-3.422	1757.616
7486_7487	7486	7487	-2318.05	-7.48	1.318	-0.502	15.095	-1659.62
7487_7487	7487	7487	2317.407	55.143	0.841	-0.717	-15.784	1659.613
7487_7488	7487	7488	-2319.58	-50.424	-0.841	0.717	11.109	-1366.27
7488_7488	7488	7488	2348.873	-478.638	-0.623	3.874	-9.142	1366.309
7488_7489	7488	7489	-2349.49	481.395	0.623	-3.874	11.027	-2817.4
7489_7489	7489	7489	2351.463	481.851	-1.755	-3.639	24.94	2823.202
7489_7490	7489	7490	-2350.85	-479.094	1.755	3.639	-19.634	-1370.76
7490_7490	7490	7490	2321.072	-49.936	-0.437	-0.844	16.377	1370.761

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7490_7491	7490	7491	-2318.9	54.655	0.437	0.844	-13.948	-1661.39
7491_7491	7491	7491	2319.539	-5.918	-2.611	0.418	13.252	1661.398
7491_7492	7491	7492	-2316.42	13.101	2.611	-0.418	9.889	-1745.68
7492_7492	7492	7492	2259.104	46.389	1.378	0.048	-13.33	1745.811
7492_7493	7492	7493	-2254.45	-34.54	-1.378	-0.048	-6.52	-1162.77
7493_7493	7493	7493	2208.009	100.305	-1.179	0.481	2.469	1162.745
7493_7494	7493	7494	-2205.89	-94.297	1.179	-0.481	6.035	-461.093
7494_7494	7494	7494	2203.1	145.55	1.745	-0.004	-5.818	461.096
7494_7495	7494	7495	-2201.12	-139.497	-1.745	0.004	-6.762	566.077
7495_7495	7495	7495	2162.384	200.4	-0.847	0.104	3.928	-566.074
7495_7496	7495	7496	-2159.67	-191.14	0.847	-0.104	5.323	2703.995
7496_7496	7496	7496	2154.464	242.9	-0.424	0.779	-5.465	-2703.99
7496_7497	7496	7497	-2153.67	-239.922	0.424	-0.779	6.944	3546.076
7497_7497	7497	7497	2155.85	243.694	21.219	0.52	-8.764	-3546.07
7497_7184	7497	7184	-2154.93	-240.195	-21.219	-0.52	-78.124	4536.769
7500_7204	7500	7204	2376.679	-247.384	19.008	0.372	-85.041	-4190.83
7500_7501	7500	7501	-2377.77	251.522	-19.008	-0.372	7.209	3169.376
7501_7501	7501	7501	2376.176	-245.949	0.986	0.243	-8.149	-3169.41
7501_7502	7501	7502	-2377.12	249.471	-0.986	-0.243	4.711	2305.356
7502_7502	7502	7502	2382.417	-192.367	0.518	-0.107	-4.84	-2305.36
7502_7503	7502	7503	-2385.63	203.319	-0.518	0.107	-0.815	144.798
7503_7503	7503	7503	2380.741	-134.425	1.25	-0.43	-0.911	-144.805
7503_7504	7503	7504	-2383.08	141.583	-1.25	0.43	-8.1	-849.797
7504_7504	7504	7504	2385.728	-86.148	-1.92	0.526	8.492	849.793
7504_7505	7504	7505	-2388.24	93.254	1.92	-0.526	5.357	-1496.64
7505_7505	7505	7505	2384.207	-15.411	0.85	0.088	-7.42	1496.649
7505_7506	7505	7506	-2389.71	29.435	-0.85	-0.088	-4.83	-1819.94
7506_7506	7506	7506	2385.288	50.907	-0.033	0.668	4.559	1819.919
7506_7507	7506	7507	-2388.98	-42.421	0.033	-0.668	-4.264	-1406.75
7507_7507	7507	7507	2387.599	91.535	2.206	-0.717	3.681	1406.748
7507_7508	7507	7508	-2390.14	-86	-2.206	0.717	-15.944	-913.424
7508_7508	7508	7508	2356.513	-420.429	-3.221	1.613	16.661	913.374
7508_7509	7508	7509	-2357.24	423.662	3.221	-1.613	-6.925	-2189.19
7509_7509	7509	7509	2357.303	424.098	4.089	-1.129	6.817	2188.94
7509_7510	7509	7510	-2356.58	-420.865	-4.089	1.129	-19.177	-911.781
7510_7510	7510	7510	2385.667	-85.094	0.091	-0.443	18.294	911.742
7510_7511	7510	7511	-2383.13	90.629	-0.091	0.443	-18.801	-1400.03
7511_7511	7511	7511	2384.484	-41.607	-2.144	0.473	18.222	1400.039
7511_7512	7511	7512	-2380.8	50.092	2.144	-0.473	0.762	-1806
7512_7512	7512	7512	2380.128	29.83	0.136	0.173	-0.224	1806.004
7512_7513	7512	7513	-2374.62	-15.806	-0.136	-0.173	-1.741	-1477.02
7513_7513	7513	7513	2374.495	93.129	0.439	0.322	2.567	1477.034
7513_7514	7513	7514	-2371.99	-86.023	-0.439	-0.322	-5.735	-831.082
7514_7514	7514	7514	2369.347	141.134	0.344	0.222	5.729	831.082
7514_7515	7514	7515	-2367.01	-133.975	-0.344	-0.222	-8.212	160.281
7515_7515	7515	7515	2367.793	201.734	-4.849	2.941	9.303	-160.251
7515_7516	7515	7516	-2364.59	-190.782	4.849	-2.941	43.649	2303.49
7516_7516	7516	7516	2359.281	247.464	-15.419	-6.631	-40.73	-2303.54
7516_7517	7516	7517	-2358.34	-243.942	15.419	6.631	94.514	3160.575
7517_7517	7517	7517	2359.213	249.849	-59.145	-3.363	-84.23	-3160.83
7517_7220	7517	7220	-2358.12	-245.711	59.145	3.363	326.428	4175.491
7520_7240	7520	7240	2222.12	49.866	113.358	29.32	-1029.12	-7311.98
7520_7521	7520	7521	-2223.43	-47.11	-113.358	-29.32	753.62	7429.827

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7521_7521	7521	7521	2205.144	-353.89	61.325	-0.412	-744.829	-7403.2
7521_7522	7521	7522	-2206.27	358.119	-61.325	0.412	530.963	6161.663
7522_7522	7522	7522	2214.332	-305.197	56.965	-0.352	-534.525	-6161.36
7522_7523	7522	7523	-2218.19	318.353	-56.965	0.352	-87.586	2756.472
7523_7523	7523	7523	2236	-243.317	-2.232	1.981	78.901	-2754.48
7523_7524	7523	7524	-2238.81	251.918	2.232	-1.981	-62.811	969.608
7524_7524	7524	7524	2244.045	-199.921	-6.424	-1.347	62.18	-969.65
7524_7525	7524	7525	-2247.06	208.46	6.424	1.347	-15.846	-503.228
7525_7525	7525	7525	2236.814	-130.516	-2.621	0.119	11.996	502.923
7525_7526	7525	7526	-2243.43	147.359	2.621	-0.119	25.783	-2505.77
7526_7526	7526	7526	2231.96	-70.461	-1.073	-3.69	-27.081	2503.65
7526_7527	7526	7527	-2236.39	80.654	1.073	3.69	36.579	-3172.66
7527_7527	7527	7527	2237.566	-34.644	-6.956	5.464	-32.788	3172.698
7527_7528	7527	7528	-2240.6	41.24	6.956	-5.464	71.444	-3383.56
7528_7528	7528	7528	2168.804	-513.389	3.092	-10.402	-69.547	3381.845
7528_7529	7528	7529	-2169.67	517.246	-3.092	10.402	60.193	-4940.81
7529_7529	7529	7529	2166.677	502.784	-1.926	9.3	-59.963	4936.239
7529_7530	7529	7530	-2165.82	-498.94	1.926	-9.3	65.769	-3425.88
7530_7530	7530	7530	2207.698	32.851	13.465	-7.225	-62.965	3425.599
7530_7531	7530	7531	-2204.67	-26.253	-13.465	7.225	-11.875	-3261.34
7531_7531	7531	7531	2203.678	72.058	6.101	3.585	6.92	3261.36
7531_7532	7531	7532	-2199.25	-61.857	-6.101	-3.585	-60.974	-2668.11
7532_7532	7532	7532	2187.862	131.676	-2.526	-0.018	59.111	2666.844
7532_7533	7532	7533	-2181.25	-114.839	2.526	0.018	-22.708	-890.539
7533_7533	7533	7533	2168.366	183.98	-1.141	1.414	22.656	890.449
7533_7534	7533	7534	-2165.35	-175.439	1.141	-1.414	-14.42	406.14
7534_7534	7534	7534	2160.765	224.936	-5.749	0.187	14.742	-406.131
7534_7535	7534	7535	-2157.95	-216.343	5.749	-0.187	26.67	1995.405
7535_7535	7535	7535	2143.315	278.211	27.471	6.582	-23.581	-1993.89
7535_7536	7535	7536	-2139.46	-265.048	-27.471	-6.582	-276.59	4961.971
7536_7536	7536	7536	2132.628	315.798	21.685	-14.008	280.412	-4961.74
7536_7537	7536	7537	-2131.5	-311.568	-21.685	14.008	-356.037	6055.685
7537_7537	7537	7537	2141.917	313.698	-43.376	-113.43	366.293	-6071.61
7537_7253	7537	7253	-2140.61	-308.735	43.376	113.43	-188.954	7343.985
7540_7275	7540	7275	3374.154	-310.544	-8.283	52.51	-666.284	-4136.26
7540_7541	7540	7541	-3375.56	315.889	8.283	-52.51	700.178	2854.594
7541_7541	7541	7541	3351.637	-319.38	48.83	-6.563	-690.681	-2880.02
7541_7542	7541	7542	-3352.85	323.944	-48.83	6.563	519.959	1755.405
7542_7542	7542	7542	3359.943	-240.778	41.845	2.59	-521.055	-1755.09
7542_7543	7542	7543	-3364.09	254.927	-41.845	-2.59	64.325	-950.152
7543_7543	7543	7543	3383.808	-155.233	6.462	-5.06	-69.905	944.399
7543_7544	7543	7544	-3386.83	164.492	-6.462	5.06	23.311	-2097.14
7544_7544	7544	7544	3389.775	-84.619	-2.985	1.387	-21.342	2097.17
7544_7545	7544	7545	-3393.02	93.8	2.985	-1.387	42.855	-2740.2
7545_7545	7545	7545	3379.092	14.221	0.876	-1.963	-46.154	2735.084
7545_7546	7545	7546	-3386.21	3.903	-0.876	1.963	33.521	-2660.72
7546_7546	7546	7546	3368.763	105.271	12.283	-2.769	-35.337	2657.359
7546_7547	7546	7547	-3373.53	-94.296	-12.283	2.769	-73.462	-1773.49
7547_7547	7547	7547	3370.826	165.187	1.627	1.171	75.908	1773.391
7547_7548	7547	7548	-3374.08	-158.112	-1.627	-1.171	-84.944	-875.561
7548_7548	7548	7548	3331.341	-556.57	-1.188	3.921	85.867	870.276
7548_7549	7548	7549	-3332.27	560.705	1.188	-3.921	-82.276	-2558.91
7549_7549	7549	7549	3353.372	589.777	-5.618	-5.803	82.949	2567.127

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
7549_7550	7549	7550	-3352.42	-585.711	5.618	5.803	-66.212	-816.034
7550_7550	7550	7550	3380.652	-154.264	8.895	-2.105	64.551	812.268
7550_7551	7550	7551	-3377.22	161.413	-8.895	2.105	-114.874	-1705.21
7551_7551	7551	7551	3380.084	-82.235	0.822	-0.768	112.972	1705.337
7551_7552	7551	7552	-3375.4	92.607	-0.822	0.768	-119.901	-2441.93
7552_7552	7552	7552	3365.821	37.551	-0.232	-1.444	117.567	2441.24
7552_7553	7552	7553	-3358.69	-19.92	0.232	1.444	-114.303	-2036.66
7553_7553	7553	7553	3343.859	145.505	4.748	0.939	113.393	2036.854
7553_7554	7553	7554	-3340.63	-136.553	-4.748	-0.939	-146.843	-1043.36
7554_7554	7554	7554	3336.116	220.928	0.167	-1.307	146.333	1043.436
7554_7555	7554	7555	-3333.12	-211.905	-0.167	1.307	-147.507	479.912
7555_7555	7555	7555	3331.054	325.55	-33.231	2.201	153.495	-476.651
7555_7556	7555	7556	-3327.02	-311.739	33.231	-2.201	200.479	3870.795
7556_7556	7556	7556	3316.98	404.666	-34.669	6.073	-199.884	-3870.82
7556_7557	7556	7557	-3315.81	-400.186	34.669	-6.073	318.75	5250.562
7557_7557	7557	7557	3439.99	96.054	-328.982	-36.655	-305.685	-5250.61
7557_7288	7557	7288	-3438.13	-90.729	328.982	36.655	1679.712	5640.666
8000_8000	8000	8000	7.387	10.559	-0.08	0.027	0	-8.693
8000_8001	8000	8001	-18.309	4.643	0.08	-0.027	0.75	48.085
8001_8001	8001	8001	18.309	-4.643	-0.08	0.053	-0.75	-48.085
8001_8002	8001	8002	-28.927	19.422	0.08	-0.053	1.48	-50.698
8002_8002	8002	8002	28.929	20.187	0.084	0.001	-1.48	50.621
8002_8003	8002	8003	-26.405	-0.63	-0.084	-0.001	0.466	72.965
8003_8003	8003	8003	26.402	0.63	0.084	0.067	-0.466	-72.966
8003_8004	8003	8004	-23.879	18.912	-0.084	-0.067	-0.547	-39.919
8004_8004	8004	8004	23.878	20.155	-0.021	0.02	0.547	40.107
8004_8005	8004	8005	-23.34	-0.594	0.021	-0.02	-0.294	85.049
8005_8005	8005	8005	23.339	0.594	-0.021	0.028	0.294	-85.049
8005_8006	8005	8006	-22.801	18.951	0.021	-0.028	-0.041	-26.369
8006_8006	8006	8006	22.804	19.779	0.008	0.006	0.041	26.285
8006_8007	8006	8007	-22.428	-0.217	-0.008	-0.006	-0.141	94.425
8007_8007	8007	8007	22.428	0.217	0.008	0.015	0.141	-94.425
8007_8008	8007	8008	-22.053	19.328	-0.008	-0.015	-0.241	-21.435
8008_8008	8008	8008	22.054	19.43	-0.003	-0.002	0.241	21.436
8008_8009	8008	8009	-22.047	0.119	0.003	0.002	-0.206	95.296
8009_8009	8009	8009	22.047	-0.119	-0.003	-0.002	0.206	-95.296
8009_8010	8009	8010	-22.04	19.668	0.003	0.002	-0.17	-24.434
8010_8010	8010	8010	22.029	19.224	0.001	-0.017	0.17	24.642
8010_8011	8010	8011	-22.485	0.341	-0.001	0.017	-0.183	89.99
8011_8011	8011	8011	22.485	-0.341	0.001	-0.008	0.183	-89.99
8011_8012	8011	8012	-22.94	19.89	-0.001	0.008	-0.196	-32.03
8012_8012	8012	8012	22.936	18.701	0.009	-0.021	0.196	32.029
8012_8013	8012	8013	-22.085	0.852	-0.009	0.021	-0.299	74.777
8013_8013	8013	8013	22.085	-0.852	0.009	-0.021	0.299	-74.777
8013_8014	8013	8014	-21.234	20.405	-0.009	0.021	-0.402	-54.978
8014_8014	8014	8014	21.237	18.426	-0.009	-0.028	0.402	54.916
8014_8015	8014	8015	-38.718	6.941	0.009	0.028	-0.255	53.494
8015_8015	8015	8015	38.655	-6.943	-0.009	-0.02	0.257	-53.396
8015_8016	8015	8016	-47.841	20.278	0.009	0.02	-0.179	-49.301
8016_8016	8016	8016	17.518	19.733	-0.018	-0.021	0.351	99.22
8016_8017	8016	8017	-21.819	-1.019	0.018	0.021	-0.135	27.241
8017_8017	8017	8017	21.818	1.019	-0.018	-0.028	0.135	-27.241
8017_8018	8017	8018	-26.667	20.085	0.018	0.028	0.107	-93.922

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8018_8018	8018	8018	26.671	19.403	0.082	-0.018	-0.107	94.04
8018_8019	8018	8019	-25.448	0.514	-0.082	0.018	-0.921	22.866
8019_8019	8019	8019	25.448	-0.514	0.082	-0.015	0.921	-22.866
8019_8020	8019	8020	-24.226	20.416	-0.082	0.015	-1.947	-109.082
8020_8020	8020	8020	24.193	21.139	-0.057	-0.021	1.947	109.121
8020_8021	8020	8021	-24.017	-6.009	0.057	0.021	-1.409	19.756
8021_8021	8021	8021	24	6.009	-0.057	-0.015	1.408	-19.733
8021_8022	8021	8022	-23.856	6.348	0.057	0.015	-0.968	18.377
8022_8022	8022	8022	23.856	-6.348	-0.057	-0.012	0.968	-18.377
8022_8023	8022	8023	-23.713	18.689	0.057	0.012	-0.527	-78.658
8023_8023	8023	8023	23.715	19.364	-0.088	0	0.527	78.627
8023_8024	8023	8024	-23.291	-6.621	0.088	0	0.18	24.985
8024_8024	8024	8024	23.29	6.621	-0.088	-0.03	-0.18	-24.985
8024_8025	8024	8025	-22.866	6.119	0.088	0.03	0.882	26.67
8025_8025	8025	8025	22.867	-6.119	-0.088	0.002	-0.882	-26.67
8025_8026	8025	8026	-22.443	18.862	0.088	-0.002	1.59	-73.574
8026_8026	8026	8026	22.442	18.97	-0.017	-0.021	-1.59	73.574
8026_8027	8026	8027	-22.522	-9.406	0.017	0.021	1.689	11.671
8027_8027	8027	8027	22.522	9.406	-0.016	-0.038	-1.689	-11.671
8027_8028	8027	8028	-22.603	0.141	0.016	0.038	1.783	39.493
8028_8028	8028	8028	22.603	-0.141	-0.017	0.02	-1.783	-39.493
8028_8029	8028	8029	-22.683	9.705	0.017	-0.02	1.883	9.995
8029_8029	8029	8029	22.683	-9.705	-0.016	0.004	-1.883	-9.995
8029_8030	8029	8030	-22.764	19.267	0.016	-0.004	1.976	-76.906
8030_8030	8030	8030	22.765	18.457	0.052	-0.002	-1.976	76.868
8030_8031	8030	8031	-23.313	-5.722	-0.052	0.002	1.563	20.184
8031_8031	8031	8031	23.313	5.722	0.052	-0.004	-1.563	-20.184
8031_8032	8031	8032	-23.862	7.03	-0.052	0.004	1.15	15.342
8032_8032	8032	8032	23.862	-7.03	0.052	-0.022	-1.15	-15.342
8032_8033	8032	8033	-24.411	19.763	-0.052	0.022	0.731	-91.361
8033_8033	8033	8033	24.409	18.684	0.063	0	-0.731	91.377
8033_8034	8033	8034	-24.597	-6.339	-0.063	0	0.24	5.7
8034_8034	8034	8034	24.597	6.339	0.064	-0.007	-0.24	-5.7
8034_8035	8034	8035	-24.785	6.005	-0.064	0.007	-0.257	7.102
8035_8035	8035	8035	24.785	-6.005	0.064	-0.004	0.257	-7.102
8035_8036	8035	8036	-25.015	21.135	-0.064	0.004	-0.864	-121.662
8036_8036	8036	8036	25.016	20.963	-0.038	-0.003	0.864	121.711
8036_8037	8036	8037	-26.09	-1.047	0.038	0.003	-0.383	16.812
8037_8037	8037	8037	26.09	1.047	-0.039	-0.002	0.383	-16.812
8037_8038	8037	8038	-27.162	18.854	0.039	0.002	0.098	-93.508
8038_8038	8038	8038	27.169	14.691	-0.148	0	-0.098	93.638
8038_8039	8038	8039	-18.73	6.416	0.148	0	2.056	-47.776
8039_8039	8039	8039	56.72	-3.698	0.027	0.013	-0.041	-12.638
8039_8040	8039	8040	-103.668	22.069	-0.027	-0.013	-0.274	-87.899
8040_8040	8040	8040	103.677	18.71	-0.012	-0.002	0.274	88.021
8040_8041	8040	8041	-104.599	-5.82	0.012	0.002	-0.177	14.96
8041_8041	8041	8041	104.598	5.82	-0.012	0.017	0.177	-14.96
8041_8042	8041	8042	-106.305	18.047	0.012	-0.017	0.003	-75.027
8042_8042	8042	8042	106.302	20.114	0.01	0.012	-0.003	75.217
8042_8043	8042	8043	-97.651	-1.533	-0.01	-0.012	-0.113	44.328
8043_8043	8043	8043	97.651	1.533	0.01	0.007	0.113	-44.328
8043_8044	8043	8044	-88.992	17.064	-0.01	-0.007	-0.228	-57.218
8044_8044	8044	8044	89.012	19.409	-0.002	-0.025	0.228	56.894

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8044_8045	8044	8045	-82.352	-0.827	0.002	0.025	-0.202	56.282
8045_8045	8045	8045	82.352	0.827	-0.002	0.036	0.202	-56.282
8045_8046	8045	8046	-75.691	17.755	0.002	-0.036	-0.175	-51.473
8046_8046	8046	8046	75.704	18.965	-0.001	-0.027	0.175	51.243
8046_8047	8046	8047	-69.872	-0.392	0.001	0.027	-0.167	57.353
8047_8047	8047	8047	69.872	0.392	-0.001	0.026	0.167	-57.353
8047_8048	8047	8048	-64.035	18.198	0.001	-0.026	-0.16	-54.971
8048_8048	8048	8048	64.04	18.598	0.008	-0.026	0.16	54.845
8048_8049	8048	8049	-57.571	-0.025	-0.008	0.026	-0.259	48.437
8049_8049	8049	8049	57.572	0.025	0.008	0.016	0.259	-48.436
8049_8050	8049	8050	-51.097	18.565	-0.008	-0.016	-0.358	-69.207
8050_8050	8050	8050	51.103	17.609	-0.015	-0.008	0.358	68.981
8050_8051	8050	8051	-50.684	6.257	0.015	0.008	-0.133	17.232
8051_8051	8051	8051	50.63	-6.257	-0.015	-0.007	0.134	-17.149
8051_8052	8051	8052	-50.405	19.146	0.015	0.007	-0.013	-87.854
8052_8052	8052	8052	50.403	19.571	-0.018	-0.007	0.013	87.928
8052_8053	8052	8053	-28.245	-1.194	0.018	0.007	0.2	7.773
8053_8053	8053	8053	27.775	2.238	-0.044	-0.003	-0.071	-7.808
8053_8054	8053	8054	-30.476	17.823	0.044	0.003	0.649	-92.784
8054_8054	8054	8054	30.47	18.351	0.095	0.007	-0.649	92.928
8054_8055	8054	8055	-31.087	0.592	-0.095	-0.007	-0.54	19.098
8055_8055	8055	8055	31.086	-0.592	0.095	-0.005	0.54	-19.098
8055_8056	8055	8056	-31.702	19.52	-0.095	0.005	-1.728	-105.595
8056_8056	8056	8056	31.708	20.104	-0.086	0.008	1.728	105.566
8056_8057	8056	8057	-31.099	-5.718	0.086	-0.008	-0.913	16.483
8057_8057	8057	8057	31.08	5.718	-0.086	-0.003	0.912	-16.461
8057_8058	8057	8058	-30.583	6.024	0.086	0.003	-0.248	14.798
8058_8058	8058	8058	30.583	-6.024	-0.086	-0.003	0.248	-14.798
8058_8059	8058	8059	-30.085	17.767	0.086	0.003	0.416	-77.898
8059_8059	8059	8059	30.085	18.767	-0.067	0.006	-0.416	77.887
8059_8060	8059	8060	-28.64	-6.649	0.067	-0.006	0.95	22.325
8060_8060	8060	8060	28.64	6.649	-0.067	0.006	-0.95	-22.325
8060_8061	8060	8061	-27.196	5.469	0.067	-0.006	1.484	25.591
8061_8061	8061	8061	27.196	-5.469	-0.067	0.006	-1.484	-25.591
8061_8062	8061	8062	-25.752	17.587	0.067	-0.006	2.018	-68.09
8062_8062	8062	8062	25.754	18.303	0.001	0.034	-2.018	67.845
8062_8063	8062	8063	-25.17	-9.222	-0.001	-0.034	2.012	14.002
8063_8063	8063	8063	25.17	9.222	0.001	0.034	-2.012	-14.002
8063_8064	8063	8064	-24.586	-0.141	-0.001	-0.034	2.006	41.404
8064_8064	8064	8064	24.586	0.141	0.001	-0.032	-2.006	-41.405
8064_8065	8064	8065	-24.001	8.954	-0.001	0.032	1.999	14.277
8065_8065	8065	8065	24.002	-8.954	0.001	-0.015	-1.999	-14.277
8065_8066	8065	8066	-23.418	18.035	-0.001	0.015	1.993	-67.296
8066_8066	8066	8066	23.417	18.06	0.088	-0.005	-1.993	67.464
8066_8067	8066	8067	-22.547	-5.931	-0.088	0.005	1.291	27.44
8067_8067	8067	8067	22.547	5.931	0.088	-0.003	-1.291	-27.44
8067_8068	8067	8068	-21.678	6.183	-0.088	0.003	0.589	25.284
8068_8068	8068	8068	21.678	-6.183	0.088	0.021	-0.589	-25.284
8068_8069	8068	8069	-20.809	18.297	-0.088	-0.021	-0.112	-73.765
8069_8069	8069	8069	20.806	17.54	0.062	0.001	0.112	73.822
8069_8070	8069	8070	-21.623	-5.806	-0.062	-0.001	-0.589	17.457
8070_8070	8070	8070	21.623	5.806	0.062	0	0.589	-17.457
8070_8071	8070	8071	-22.442	5.943	-0.062	0	-1.066	17.779

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8071_8071	8071	8071	22.421	-5.943	0.061	0.021	1.069	-17.757
8071_8072	8071	8072	-23.423	20.334	-0.061	-0.021	-1.652	-106.039
8072_8072	8072	8072	23.447	20.304	-0.04	0	1.652	105.979
8072_8073	8072	8073	-22.178	-1.381	0.04	0	-1.149	27.756
8073_8073	8073	8073	22.177	1.381	-0.04	0.017	1.149	-27.756
8073_8074	8073	8074	-20.907	17.558	0.04	-0.017	-0.644	-75.102
8074_8074	8074	8074	20.908	14.584	-0.214	0.009	0.644	75.158
8074_8075	8074	8075	-2.589	5.478	0.214	-0.009	2.196	-34.625
8075_8075	8075	8075	45.709	-2.885	0.024	0.02	0.256	-34.494
8075_8076	8075	8076	-88.262	20.295	-0.024	-0.02	-0.543	-52.727
8076_8076	8076	8076	88.276	17.314	-0.022	0.035	0.543	52.749
8076_8077	8076	8077	-85.123	-5.087	0.022	-0.035	-0.359	36.618
8077_8077	8077	8077	85.048	5.088	-0.022	0.004	0.362	-36.491
8077_8078	8077	8078	-79.76	15.419	0.022	-0.004	-0.053	-40.173
8078_8078	8078	8078	79.755	17.557	0.006	-0.02	0.053	40.241
8078_8079	8078	8079	-75.526	-0.997	-0.006	0.02	-0.124	58.727
8079_8079	8079	8079	75.525	0.997	0.006	0.044	0.124	-58.728
8079_8080	8079	8080	-71.296	15.563	-0.006	-0.044	-0.194	-27.412
8080_8080	8080	8080	71.301	16.702	-0.002	0.009	0.194	27.413
8080_8081	8080	8081	-68.56	-0.147	0.002	-0.009	-0.175	63.644
8081_8081	8081	8081	68.56	0.147	-0.002	0.006	0.175	-63.644
8081_8082	8081	8082	-65.817	16.423	0.002	-0.006	-0.155	-30.475
8082_8082	8082	8082	65.827	17.954	0	0.003	0.155	30.305
8082_8083	8082	8083	-62.838	-0.168	0	-0.003	-0.154	74.922
8083_8083	8083	8083	62.838	0.168	0	0	0.154	-74.922
8083_8084	8083	8084	-59.847	17.634	0	0	-0.153	-33.575
8084_8084	8084	8084	59.844	16.66	-0.004	-0.003	0.153	33.586
8084_8085	8084	8085	-57.653	-0.108	0.004	0.003	-0.108	57.291
8085_8085	8085	8085	57.653	0.108	-0.004	-0.005	0.108	-57.291
8085_8086	8085	8086	-55.46	16.459	0.004	0.005	-0.064	-36.926
8086_8086	8086	8086	55.47	16.204	0.009	-0.01	0.064	36.769
8086_8087	8086	8087	-52.827	0.362	-0.009	0.01	-0.164	48.338
8087_8087	8087	8087	52.827	-0.362	0.009	-0.007	0.164	-48.338
8087_8088	8087	8088	-50.187	16.914	-0.009	0.007	-0.264	-51.641
8088_8088	8088	8088	50.181	14.51	-0.02	-0.011	0.264	51.64
8088_8089	8088	8089	-54.059	5.226	0.02	0.011	-0.002	14.218
8089_8089	8089	8089	54.006	-5.226	-0.02	-0.016	0.002	-14.143
8089_8090	8089	8090	-56.407	17.445	0.02	0.016	0.16	-76.862
8090_8090	8090	8090	56.404	17.901	-0.003	-0.011	-0.16	76.889
8090_8091	8090	8091	-37.161	-0.493	0.003	0.011	0.192	7.512
8091_8091	8091	8091	37.12	1.402	-0.011	-0.01	-0.209	-7.843
8091_8092	8091	8092	-41.75	17.936	0.011	0.01	0.355	-97.027
8092_8092	8092	8092	41.74	17.948	0.037	-0.005	-0.355	96.878
8092_8093	8092	8093	-41.551	0.291	-0.037	0.005	-0.103	13.608
8093_8093	8093	8093	41.551	-0.291	0.037	-0.005	0.103	-13.608
8093_8094	8093	8094	-41.362	18.53	-0.037	0.005	-0.561	-103.875
8094_8094	8094	8094	41.37	19.262	-0.046	-0.004	0.561	103.833
8094_8095	8094	8095	-40.984	-5.404	0.046	0.004	-0.123	12.941
8095_8095	8095	8095	40.917	5.404	-0.046	-0.011	0.12	-12.854
8095_8096	8095	8096	-40.602	5.914	0.046	0.011	0.236	10.593
8096_8096	8096	8096	40.602	-5.914	-0.046	0.002	-0.236	-10.592
8096_8097	8096	8097	-40.287	17.217	0.046	-0.002	0.591	-79.273
8097_8097	8097	8097	40.287	17.974	0.022	-0.006	-0.591	79.267

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8097_8098	8097	8098	-39.339	-6.293	-0.022	0.006	0.416	16.886
8098_8098	8098	8098	39.34	6.293	0.022	0.014	-0.416	-16.886
8098_8099	8098	8099	-38.393	5.373	-0.022	-0.014	0.242	19.599
8099_8099	8099	8099	38.393	-5.373	0.022	-0.009	-0.242	-19.6
8099_8100	8099	8100	-37.446	17.053	-0.022	0.009	0.068	-71.119
8100_8100	8100	8100	37.446	17.549	0	0.001	-0.068	71.141
8100_8101	8100	8101	-37.124	-8.803	0	-0.001	0.071	7.431
8101_8101	8101	8101	37.124	8.803	0	0.001	-0.071	-7.431
8101_8102	8101	8102	-36.801	-0.043	0	-0.001	0.074	33.586
8102_8102	8102	8102	36.801	0.043	0	0.001	-0.074	-33.586
8102_8103	8102	8103	-36.479	8.718	0	-0.001	0.077	7.149
8103_8103	8103	8103	36.479	-8.718	0	-0.006	-0.077	-7.149
8103_8104	8103	8104	-36.156	17.478	0	0.006	0.08	-71.874
8104_8104	8104	8104	36.15	17.225	-0.022	0.012	-0.08	71.71
8104_8105	8104	8105	-35.847	-5.56	0.022	-0.012	0.256	18.788
8105_8105	8105	8105	35.847	5.56	-0.022	-0.008	-0.256	-18.788
8105_8106	8105	8106	-35.543	6.119	0.022	0.008	0.432	15.982
8106_8106	8106	8106	35.543	-6.119	-0.022	-0.008	-0.432	-15.982
8106_8107	8106	8107	-35.239	17.783	0.022	0.008	0.608	-80.115
8107_8107	8107	8107	35.238	17.033	0.038	0.005	-0.608	80.144
8107_8108	8107	8108	-35.627	-5.719	-0.038	-0.005	0.314	8.449
8108_8108	8108	8108	35.627	5.719	0.038	0.005	-0.314	-8.449
8108_8109	8108	8109	-36.016	5.595	-0.038	-0.005	0.02	9.317
8109_8109	8109	8109	36.039	-5.595	0.038	-0.003	-0.021	-9.346
8109_8110	8109	8110	-36.516	19.45	-0.038	0.003	-0.34	-109.063
8110_8110	8110	8110	36.512	19.256	-0.008	0.01	0.34	109.12
8110_8111	8110	8111	-36.604	-1.01	0.008	-0.01	-0.236	17.208
8111_8111	8111	8111	36.605	1.01	-0.008	-0.002	0.236	-17.207
8111_8112	8111	8112	-36.698	17.236	0.008	0.002	-0.133	-84.612
8112_8112	8112	8112	36.698	13.898	-0.109	0.01	0.133	84.64
8112_8113	8112	8113	-21.705	5.428	0.109	-0.01	1.316	-45.251
8113_8113	8113	8113	60.841	-3.168	0.014	0.009	0.166	-17.973
8113_8114	8113	8114	-101.625	20.28	-0.014	-0.009	-0.33	-72.265
8114_8114	8114	8114	101.639	16.795	-0.012	-0.038	0.33	72.281
8114_8115	8114	8115	-102.363	-4.781	0.012	0.038	-0.228	18.225
8115_8115	8115	8115	102.36	4.781	-0.012	0.042	0.228	-18.226
8115_8116	8115	8116	-103.574	15.374	0.012	-0.042	-0.056	-52.587
8116_8116	8116	8116	103.573	17.795	0.006	0.04	0.056	52.606
8116_8117	8116	8117	-96.785	-1.528	-0.006	-0.04	-0.119	47.887
8117_8117	8117	8117	96.786	1.528	0.006	-0.021	0.119	-47.887
8117_8118	8117	8118	-89.992	14.752	-0.006	0.021	-0.182	-33.5
8118_8118	8118	8118	89.995	16.795	-0.005	0.038	0.182	33.501
8118_8119	8118	8119	-85.63	-0.516	0.005	-0.038	-0.124	58.53
8119_8119	8119	8119	85.63	0.516	-0.005	-0.026	0.124	-58.53
8119_8120	8119	8120	-81.269	15.749	0.005	0.026	-0.065	-31.302
8120_8120	8120	8120	81.248	18.009	-0.001	0.036	0.065	31.548
8120_8121	8120	8121	-76.406	-0.521	0.001	-0.036	-0.056	74.24
8121_8121	8121	8121	76.406	0.521	-0.001	-0.035	0.056	-74.24
8121_8122	8121	8122	-71.564	16.967	0.001	0.035	-0.047	-30.025
8122_8122	8122	8122	71.563	16.662	-0.004	0.025	0.047	30.025
8122_8123	8122	8123	-67.806	-0.383	0.004	-0.025	-0.004	60.842
8123_8123	8123	8123	67.805	0.383	-0.004	-0.035	0.004	-60.843
8123_8124	8123	8124	-64.048	15.895	0.004	0.035	0.04	-30.295

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8124_8124	8124	8124	64.048	16.142	0.001	-0.008	-0.04	30.303
8124_8125	8124	8125	-59.766	0.122	-0.001	0.008	0.028	53.874
8125_8125	8125	8125	59.766	-0.122	0.001	-0.009	-0.028	-53.874
8125_8126	8125	8126	-55.48	16.401	-0.001	0.009	0.017	-43.796
8126_8126	8126	8126	55.455	14.398	-0.007	-0.018	-0.017	43.974
8126_8127	8126	8127	-58.054	5.199	0.007	0.018	0.112	20.648
8127_8127	8127	8127	58.055	-5.199	-0.007	0.002	-0.112	-20.647
8127_8128	8127	8128	-59.648	17.211	0.007	-0.002	0.17	-70.136
8128_8128	8128	8128	59.64	17.795	-0.028	-0.003	-0.17	69.967
8128_8129	8128	8129	-39.462	-0.687	0.028	0.003	0.501	13.387
8129_8129	8129	8129	39.439	1.592	-0.072	-0.011	-0.581	-13.575
8129_8130	8129	8130	-44.392	17.706	0.072	0.011	1.541	-88.188
8130_8130	8130	8130	44.389	17.094	0.089	-0.003	-1.541	88.07
8130_8131	8130	8131	-45.069	1.112	-0.089	0.003	0.431	12.934
8131_8131	8131	8131	45.069	-1.112	0.089	-0.003	-0.431	-12.934
8131_8132	8131	8132	-45.749	19.318	-0.089	0.003	-0.679	-113.635
8132_8132	8132	8132	43.857	18.318	-0.011	-0.017	0.679	81.274
8132_8133	8132	8133	-43.046	-4.481	0.011	0.017	-0.579	26.216
8133_8133	8133	8133	43.045	4.481	-0.014	0.02	0.579	-26.215
8133_8134	8133	8134	-42.384	6.806	0.014	-0.02	-0.469	16.549
8134_8134	8134	8134	42.385	-6.806	-0.011	0.001	0.469	-16.549
8134_8135	8134	8135	-41.723	18.094	0.011	-0.001	-0.383	-80.598
8135_8135	8135	8135	41.74	18.309	0.046	-0.009	0.383	80.774
8135_8136	8135	8136	-40.688	-6.657	-0.046	0.009	-0.749	17.965
8136_8136	8136	8136	40.688	6.657	0.046	-0.009	0.749	-17.965
8136_8137	8136	8137	-39.635	4.995	-0.046	0.009	-1.114	23.488
8137_8137	8137	8137	39.636	-4.995	0.043	0.016	1.114	-23.488
8137_8138	8137	8138	-38.584	16.646	-0.043	-0.016	-1.457	-64.203
8138_8138	8138	8138	38.583	17.452	-0.05	-0.02	1.457	64.203
8138_8139	8138	8139	-38.122	-8.713	0.05	0.02	-1.159	13.715
8139_8139	8139	8139	38.121	8.713	-0.046	-0.036	1.159	-13.715
8139_8140	8139	8140	-37.66	0.026	0.046	0.036	-0.884	39.2
8140_8140	8140	8140	37.66	-0.026	-0.05	0.022	0.884	-39.2
8140_8141	8140	8141	-37.198	8.765	0.05	-0.022	-0.586	12.251
8141_8141	8141	8141	37.198	-8.765	-0.05	0.022	0.586	-12.251
8141_8142	8141	8142	-36.737	17.504	0.05	-0.022	-0.289	-67.131
8142_8142	8142	8142	36.736	17.167	-0.036	-0.014	0.289	67.13
8142_8143	8142	8143	-36.349	-5.515	0.036	0.014	-0.004	22.803
8143_8143	8143	8143	36.349	5.515	-0.038	0.009	0.004	-22.803
8143_8144	8143	8144	-35.961	6.137	0.038	-0.009	0.303	19.521
8144_8144	8144	8144	35.961	-6.137	-0.036	-0.009	-0.303	-19.521
8144_8145	8144	8145	-35.574	17.789	0.036	0.009	0.587	-76.975
8145_8145	8145	8145	35.574	16.877	0.004	-0.005	-0.587	76.975
8145_8146	8145	8146	-36.565	-5.589	-0.004	0.005	0.557	11.12
8146_8146	8146	8146	36.566	5.589	0.001	0.002	-0.557	-11.12
8146_8147	8146	8147	-37.556	5.699	-0.001	-0.002	0.55	11.735
8147_8147	8147	8147	37.636	-5.699	0.003	-0.003	-0.551	-11.83
8147_8148	8147	8148	-38.851	19.535	-0.003	0.003	0.525	-106.753
8148_8148	8148	8148	38.849	19.527	0.017	-0.006	-0.525	106.752
8148_8149	8148	8149	-38.122	-1.321	-0.017	0.006	0.313	22.312
8149_8149	8149	8149	38.121	1.321	0.015	0.008	-0.313	-22.312
8149_8150	8149	8150	-37.394	16.885	-0.015	-0.008	0.125	-76.199
8150_8150	8150	8150	37.395	13.104	-0.037	0.012	-0.125	76.199

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8150_8151	8150	8151	-18.376	6.194	0.037	-0.012	0.618	-52.177
8151_8151	8151	8151	66.904	-3.467	0.001	0.002	-0.128	-26.56
8151_8152	8151	8152	-113.283	21.317	-0.001	-0.002	0.113	-66.177
8152_8152	8152	8152	113.282	17.197	0.001	0.031	-0.113	66.177
8152_8153	8152	8153	-114.39	-4.663	-0.001	-0.031	0.105	25.917
8153_8153	8153	8153	114.582	4.664	0.002	-0.003	-0.106	-26.255
8153_8154	8153	8154	-116.438	16.225	-0.002	0.003	0.077	-50.021
8154_8154	8154	8154	116.438	18.369	0.003	-0.025	-0.077	50.021
8154_8155	8154	8155	-108.658	-1.659	-0.003	0.025	0.044	51.759
8155_8155	8155	8155	108.658	1.659	0.002	0.039	-0.044	-51.759
8155_8156	8155	8156	-100.878	15.052	-0.002	-0.039	0.026	-30.282
8156_8156	8156	8156	100.879	16.275	0.002	0.002	-0.026	30.282
8156_8157	8156	8157	-96.197	-1.084	-0.002	-0.002	0.009	51.469
8157_8157	8157	8157	96.197	1.084	0.002	0.002	-0.009	-51.469
8157_8158	8157	8158	-91.516	14.108	-0.002	-0.002	-0.008	-18.699
8158_8158	8158	8158	91.516	15.075	0.002	-0.034	0.008	18.699
8158_8159	8158	8159	-86.79	0.117	-0.002	0.034	-0.027	50.832
8159_8159	8159	8159	86.79	-0.117	0	0.027	0.027	-50.832
8159_8160	8159	8160	-82.064	15.309	0	-0.027	-0.032	-31.555
8160_8160	8160	8160	82.053	16.422	0.002	0.018	0.032	31.736
8160_8161	8160	8161	-76.772	0.288	-0.002	-0.018	-0.05	50.813
8161_8161	8161	8161	76.771	-0.288	0.003	-0.033	0.05	-50.813
8161_8162	8161	8162	-71.49	16.999	-0.003	0.033	-0.083	-50.459
8162_8162	8162	8162	71.49	15.425	0	-0.016	0.083	50.459
8162_8163	8162	8163	-72.918	5.464	0	0.016	-0.076	19.903
8163_8163	8163	8163	73.067	-5.464	-0.002	0.001	0.076	-20.11
8163_8164	8163	8164	-73.926	17.997	0.002	-0.001	-0.063	-75.535
8164_8164	8164	8164	73.925	18.85	0.007	-0.01	0.063	75.534
8164_8165	8164	8165	-51.352	-1	-0.007	0.01	-0.15	12.684
8165_8165	8165	8165	51.378	1.89	-0.018	-0.005	0.249	-12.752
8165_8166	8165	8166	-55.7	18.775	0.018	0.005	-0.007	-94.303
8166_8166	8166	8166	55.695	18.883	-0.001	0.007	0.007	94.163
8166_8167	8166	8167	-56.245	0.613	0.001	-0.007	0.003	20.835
8167_8167	8167	8167	56.244	-0.613	0.001	-0.008	-0.003	-20.836
8167_8168	8167	8168	-56.794	20.109	-0.001	0.008	-0.004	-107.866
8168_8168	8168	8168	56.78	20.658	0.001	0.001	0.004	107.747
8168_8169	8168	8169	-56.508	-5.841	-0.001	-0.001	-0.017	17.976
8169_8169	8169	8169	56.585	5.841	0	0.012	0.019	-18.073
8169_8170	8169	8170	-56.364	6.247	0	-0.012	-0.019	16.381
8170_8170	8170	8170	56.365	-6.247	0.002	-0.006	0.019	-16.381
8170_8171	8170	8171	-56.144	18.334	-0.002	0.006	-0.035	-78.989
8171_8171	8171	8171	56.138	19.353	0.002	-0.004	0.035	78.838
8171_8172	8171	8172	-54.748	-6.876	-0.002	0.004	-0.049	24.697
8172_8172	8172	8172	54.748	6.876	0	0.023	0.049	-24.697
8172_8173	8172	8173	-53.358	5.602	0	-0.023	-0.046	28.412
8173_8173	8173	8173	53.357	-5.602	0.002	-0.008	0.046	-28.412
8173_8174	8173	8174	-51.967	18.079	-0.002	0.008	-0.06	-67.693
8174_8174	8174	8174	51.971	18.805	-0.001	0.028	0.06	67.53
8174_8175	8174	8175	-51.449	-9.447	0.001	-0.028	-0.053	16.636
8175_8175	8175	8175	51.449	9.447	-0.001	0.028	0.053	-16.636
8175_8176	8175	8176	-50.928	-0.089	0.001	-0.028	-0.046	44.653
8176_8176	8176	8176	50.928	0.089	0.002	-0.039	0.046	-44.653
8176_8177	8176	8177	-50.407	9.269	-0.002	0.039	-0.056	16.521

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8177_8177	8177	8177	50.407	-9.269	-0.001	-0.019	0.056	-16.521
8177_8178	8177	8178	-49.885	18.628	0.001	0.019	-0.05	-67.759
8178_8178	8178	8178	49.889	18.431	-0.006	0.016	0.05	67.597
8178_8179	8178	8179	-49.299	-5.954	0.006	-0.016	-0.004	29.089
8179_8179	8179	8179	49.299	5.954	-0.004	-0.014	0.004	-29.09
8179_8180	8179	8180	-48.709	6.523	0.004	0.014	0.024	25.956
8180_8180	8180	8180	48.709	-6.523	-0.004	-0.014	-0.024	-25.956
8180_8181	8180	8181	-48.119	19.001	0.004	0.014	0.052	-76.997
8181_8181	8181	8181	48.116	18.026	0.002	0.006	-0.052	76.85
8181_8182	8181	8182	-48.941	-5.938	-0.002	-0.006	0.036	16.793
8182_8182	8182	8182	48.94	5.938	0.004	-0.008	-0.036	-16.793
8182_8183	8182	8183	-49.765	6.149	-0.004	0.008	0.003	16.757
8183_8183	8183	8183	49.87	-6.149	0.004	-0.002	-0.002	-16.877
8183_8184	8183	8184	-50.881	20.966	-0.004	0.002	-0.033	-110.961
8184_8184	8184	8184	50.871	20.87	-0.014	0.011	0.033	110.851
8184_8185	8184	8185	-49.88	-1.374	0.014	-0.011	0.145	26.822
8185_8185	8185	8185	49.881	1.374	-0.013	-0.006	-0.145	-26.822
8185_8186	8185	8186	-48.89	18.122	0.013	0.006	0.306	-79.206
8186_8186	8186	8186	48.882	14.99	0.02	0.001	-0.306	79.081
8186_8187	8186	8187	-31.5	5.676	-0.02	-0.001	0.038	-37.025
8187_8187	8187	8187	75.889	-3.298	0	0.019	0.007	-35.547
8187_8188	8187	8188	-121.973	22.414	0	-0.019	-0.005	-59.784
8188_8188	8188	8188	121.962	19.017	0	-0.008	0.005	59.618
8188_8189	8188	8189	-117.885	-5.595	0	0.008	-0.002	37.737
8189_8189	8189	8189	119.2	5.584	-0.001	0.022	0	-36.437
8189_8190	8189	8190	-112.389	16.786	0.001	-0.022	0.009	-47.402
8190_8190	8190	8190	112.398	19.326	0.002	0.042	-0.009	47.216
8190_8191	8190	8191	-105.879	-1.43	-0.002	-0.042	-0.011	59.37
8191_8191	8191	8191	105.88	1.43	0.003	-0.027	0.011	-59.369
8191_8192	8191	8192	-99.36	16.466	-0.003	0.027	-0.043	-30.898
8192_8192	8192	8192	99.371	17.2	-0.001	0.002	0.043	30.706
8192_8193	8192	8193	-95.186	-0.996	0.001	-0.002	-0.038	54.967
8193_8193	8193	8193	95.186	0.996	-0.001	0.002	0.038	-54.967
8193_8194	8193	8194	-90.997	15.224	0.001	-0.002	-0.032	-20.906
8194_8194	8194	8194	91.001	15.964	0.002	-0.003	0.032	20.908
8194_8195	8194	8195	-86.723	0.256	-0.002	0.003	-0.049	52.184
8195_8195	8195	8195	86.723	-0.256	0.002	-0.003	0.049	-52.184
8195_8196	8195	8196	-82.446	16.476	-0.002	0.003	-0.065	-36.438
8196_8196	8196	8196	82.463	17.501	-0.001	-0.007	0.065	36.248
8196_8197	8196	8197	-77.405	0.394	0.001	0.007	-0.055	51.464
8197_8197	8197	8197	77.405	-0.394	-0.001	-0.007	0.055	-51.464
8197_8198	8197	8198	-72.348	18.29	0.001	0.007	-0.045	-57.677
8198_8198	8198	8198	72.364	16.543	0.001	-0.016	0.045	57.493
8198_8199	8198	8199	-75.228	5.826	-0.001	0.016	-0.058	19.129
8199_8199	8199	8199	75.335	-5.826	0	0.001	0.059	-19.266
8199_8200	8199	8200	-77.052	19.231	0	-0.001	-0.059	-82.206
8200_8200	8200	8200	77.059	20.315	-0.006	-0.01	0.059	82.378
8200_8201	8200	8201	-52.511	-1.199	0.006	0.01	0.017	13.71
8201_8201	8201	8201	53.404	2.194	-0.041	-0.005	0.154	-15.269
8201_8202	8201	8202	-58.147	20.205	0.041	0.005	0.395	-99.015
8202_8202	8202	8202	58.15	20.329	0.054	0	-0.395	99.168
8202_8203	8202	8203	-58.889	0.801	-0.054	0	-0.275	24.114
8203_8203	8203	8203	58.889	-0.801	0.054	0	0.275	-24.114

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8203_8204	8203	8204	-59.629	21.932	-0.054	0	-0.946	-116.742
8204_8204	8204	8204	59.594	22.393	-0.041	0.006	0.946	116.802
8204_8205	8204	8205	-59.483	-6.334	0.041	-0.006	-0.555	19.594
8205_8205	8205	8205	59.647	6.334	-0.041	-0.004	0.564	-19.777
8205_8206	8205	8206	-59.557	6.768	0.041	0.004	-0.249	18.048
8206_8206	8206	8206	59.557	-6.768	-0.041	-0.004	0.249	-18.048
8206_8207	8206	8207	-59.468	19.869	0.041	0.004	0.065	-85.214
8207_8207	8207	8207	59.466	20.816	-0.027	0.004	-0.065	85.364
8207_8208	8207	8208	-58.375	-7.292	0.027	-0.004	0.28	25.927
8208_8208	8208	8208	58.375	7.292	-0.027	0.004	-0.28	-25.927
8208_8209	8208	8209	-57.283	6.232	0.027	-0.004	0.495	29.029
8209_8209	8209	8209	57.283	-6.232	-0.027	0.004	-0.495	-29.029
8209_8210	8209	8210	-56.192	19.756	0.027	-0.004	0.71	-76.059
8210_8210	8210	8210	56.199	20.393	-0.008	0.032	-0.71	76.251
8210_8211	8210	8211	-55.762	-10.25	0.008	-0.032	0.76	15.151
8211_8211	8211	8211	55.762	10.25	-0.008	0.032	-0.76	-15.151
8211_8212	8211	8212	-55.324	-0.107	0.008	-0.032	0.811	45.696
8212_8212	8212	8212	55.324	0.107	-0.006	-0.038	-0.811	-45.696
8212_8213	8212	8213	-54.887	10.036	0.006	0.038	0.846	15.384
8213_8213	8213	8213	54.887	-10.036	-0.008	-0.019	-0.846	-15.384
8213_8214	8213	8214	-54.45	20.179	0.008	0.019	0.896	-75.785
8214_8214	8214	8214	54.459	20.097	0.016	0	-0.896	75.987
8214_8215	8214	8215	-54.009	-6.573	-0.016	0	0.767	29.909
8215_8215	8215	8215	54.009	6.573	0.016	0	-0.767	-29.909
8215_8216	8215	8216	-53.559	6.951	-0.016	0	0.638	27.611
8216_8216	8216	8216	53.559	-6.951	0.016	0	-0.638	-27.611
8216_8217	8216	8217	-53.109	20.475	-0.016	0	0.508	-82.881
8217_8217	8217	8217	53.108	19.514	0.043	0.006	-0.508	82.868
8217_8218	8217	8218	-53.765	-6.413	-0.043	-0.006	0.179	18.443
8218_8218	8218	8218	53.765	6.413	0.043	0.006	-0.179	-18.443
8218_8219	8218	8219	-54.422	6.689	-0.043	-0.006	-0.151	18.217
8219_8219	8219	8219	54.467	-6.689	0.042	0.007	0.151	-18.262
8219_8220	8219	8220	-55.274	22.748	-0.042	-0.007	-0.554	-120.532
8220_8220	8220	8220	55.293	22.699	0.029	0.005	0.554	120.559
8220_8221	8220	8221	-53.972	-1.579	-0.029	-0.005	-0.914	28.8
8221_8221	8221	8221	53.972	1.579	0.029	0.005	0.914	-28.8
8221_8222	8221	8222	-52.649	19.559	-0.029	-0.005	-1.275	-85.924
8222_8222	8222	8222	52.629	16.747	-0.45	0.007	1.275	85.912
8222_8223	8222	8223	-37.065	5.659	0.45	-0.007	4.685	-30.301
8223_8223	8223	8223	75.525	-3.309	0.013	0.015	-0.232	-31.398
8223_8224	8223	8224	-121.714	24.001	-0.013	-0.015	0.074	-74.628
8224_8224	8224	8224	121.767	20.997	0.019	0.047	-0.074	74.473
8224_8225	8224	8225	-118.266	-6.468	-0.019	-0.047	-0.084	35.27
8225_8225	8225	8225	118.488	6.466	0.02	-0.012	0.084	-35.641
8225_8226	8225	8226	-112.235	19.489	-0.02	0.012	-0.373	-66.512
8226_8226	8226	8226	112.232	21.28	-0.003	0.218	0.373	66.451
8226_8227	8226	8227	-107.285	-1.038	0.003	-0.218	-0.335	56.153
8227_8227	8227	8227	107.285	1.038	-0.001	-0.21	0.335	-56.152
8227_8228	8227	8228	-102.337	19.209	0.001	0.21	-0.327	-53.852
8228_8228	8228	8228	102.331	20.362	0.013	0.028	0.327	54.007
8228_8229	8228	8229	-98.735	-0.109	-0.013	-0.028	-0.476	59.425
8229_8229	8229	8229	98.735	0.109	0.013	-0.036	0.476	-59.425
8229_8230	8229	8230	-95.142	20.127	-0.013	0.036	-0.63	-59.752

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8230_8230	8230	8230	95.141	21.258	0.012	0.279	0.63	59.777
8230_8231	8230	8231	-90.07	0.036	-0.012	-0.279	-0.769	62.577
8231_8231	8231	8231	90.07	-0.036	0.015	-0.301	0.769	-62.579
8231_8232	8231	8232	-85.002	21.322	-0.015	0.301	-0.951	-72.316
8232_8232	8232	8232	85.333	20.885	-0.054	-0.014	0.926	72.063
8232_8233	8232	8233	-85.089	2.808	0.054	0.014	-0.2	48.368
8233_8233	8233	8233	85.091	-2.808	-0.054	0.003	0.2	-48.368
8233_8234	8233	8234	-84.912	20.181	0.054	-0.003	0.334	-65.771
8234_8234	8234	8234	87.786	18.594	0.037	0.032	-0.334	60.997
8234_8235	8234	8235	-65.734	-0.832	-0.037	-0.032	-0.038	10.723
8235_8235	8235	8235	62.318	1.663	-0.011	-0.061	0.88	-5.174
8235_8236	8235	8236	-60.739	15.972	0.011	0.061	-0.78	-63.645
8236_8236	8236	8236	60.804	16.732	0.109	-0.076	0.78	63.549
8236_8237	8236	8237	-66.827	0.415	-0.109	0.076	-1.778	17.75
8237_8237	8237	8237	66.824	-0.415	0.108	0.058	1.778	-17.748
8237_8238	8237	8238	-73.621	19.766	-0.108	-0.058	-2.896	-79.08
8238_8238	8238	8238	73.839	22.916	-0.12	0.012	2.887	78.774
8238_8239	8238	8239	-68.796	6.845	0.12	-0.012	-0.987	43.853
8239_8239	8239	8239	68.795	-6.845	-0.12	-0.02	0.987	-43.853
8239_8240	8239	8240	-66.066	22.948	0.12	0.02	0.041	-86.998
8240_8240	8240	8240	65.981	20.957	-0.102	-0.002	-0.041	87.025
8240_8241	8240	8241	-65.756	-1.684	0.102	0.002	1.089	29.196
8241_8241	8241	8241	65.756	1.684	-0.102	0.009	-1.089	-29.196
8241_8242	8241	8242	-65.552	15.801	0.102	-0.009	2.039	-36.981
8242_8242	8242	8242	65.588	17.624	-0.059	-0.007	-2.039	36.81
8242_8243	8242	8243	-65.108	1.913	0.059	0.007	2.65	44.483
8243_8243	8243	8243	65.109	-1.913	-0.059	0.022	-2.65	-44.483
8243_8244	8243	8244	-64.686	19.117	0.059	-0.022	3.188	-52.713
8244_8244	8244	8244	64.666	19.003	0.102	0.185	-3.188	52.698
8244_8245	8244	8245	-64.026	-1.321	-0.102	-0.185	2.225	42.369
8245_8245	8245	8245	64.026	1.321	0.103	-0.159	-2.225	-42.37
8245_8246	8245	8246	-63.336	17.734	-0.103	0.159	1.181	-42.095
8246_8246	8246	8246	63.329	15.899	-0.227	0.003	-1.181	42.271
8246_8247	8246	8247	-63.202	2.723	0.227	-0.003	3.44	22.899
8247_8247	8247	8247	63.202	-2.723	-0.227	0.008	-3.44	-22.899
8247_8248	8247	8248	-63.079	20.855	0.227	-0.008	5.639	-91.586
8248_8248	8248	8248	63.18	22.482	0.5	0.25	-5.645	91.577
8248_8249	8248	8249	-63.943	-0.002	-0.5	-0.25	-0.352	44.054
8249_8249	8249	8249	63.937	0.002	0.501	-0.23	0.352	-44.052
8249_8250	8249	8250	-64.731	23.395	-0.501	0.23	-6.606	-101.395
8250_8250	8250	8250	64.702	22.003	-0.345	0.016	6.606	101.442
8250_8251	8250	8251	-62.746	-1.203	0.345	-0.016	-2.773	25.026
8251_8251	8251	8251	62.746	1.203	-0.345	-0.003	2.773	-25.026
8251_8252	8251	8252	-60.895	18.486	0.345	0.003	0.854	-68.118
8252_8252	8252	8252	60.889	18.187	0.089	-0.011	-0.854	68.062
8252_8253	8252	8253	-48.016	4.48	-0.089	0.011	-0.223	-0.119
8253_8253	8253	8253	48.019	-4.48	0.089	0.039	0.223	0.119
8253_8254	8253	8254	-37.893	22.311	-0.089	-0.039	-1.075	-139.485
8254_8254	8254	8254	94.918	19.753	-0.02	-0.022	0.556	46.91
8254_8255	8254	8255	-118.052	3.636	0.02	0.022	-0.316	76.919
8255_8255	8255	8255	118.05	-3.636	-0.02	0.047	0.316	-76.919
8255_8256	8255	8256	-142.799	28.656	0.02	-0.047	-0.06	-97.054
8256_8256	8256	8256	142.796	23.372	0.022	0.257	0.06	97.07

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8256_8257	8256	8257	-144.527	-0.327	-0.022	-0.257	-0.321	43.285
8257_8257	8257	8257	144.536	0.327	0.022	-0.249	0.321	-43.28
8257_8258	8257	8258	-146.227	22.202	-0.022	0.249	-0.573	-79.279
8258_8258	8258	8258	146.256	21.276	0.005	0	0.573	79.124
8258_8259	8258	8259	-154.339	1.93	-0.005	0	-0.637	43.926
8259_8259	8259	8259	154.34	-1.93	0.005	-0.016	0.637	-43.926
8259_8260	8259	8260	-162.125	24.277	-0.005	0.016	-0.699	-95.136
8260_8260	8260	8260	162.104	21.542	-0.003	0.376	0.699	95.333
8260_8261	8260	8261	-165.004	-3.61	0.003	-0.376	-0.668	21.996
8261_8261	8261	8261	165.001	3.61	-0.004	-0.28	0.668	-21.987
8261_8262	8261	8262	-169.472	24.037	0.004	0.28	-0.617	-115.927
8262_8262	8262	8262	169.756	24.815	0.002	-0.05	0.639	115.263
8262_8263	8262	8263	-153.302	0.33	-0.002	0.05	-0.659	20.757
8263_8263	8263	8263	153.301	-0.33	0.002	-0.011	0.659	-20.757
8263_8264	8263	8264	-138.943	22.271	-0.002	0.011	-0.677	-121.939
8264_8264	8264	8264	138.905	25.633	0.011	-0.022	0.677	121.989
8264_8265	8264	8265	-124.72	-1.759	-0.011	0.022	-0.806	26.875
8265_8265	8265	8265	124.721	1.759	0.011	-0.015	0.806	-26.875
8265_8266	8265	8266	-109.75	23.436	-0.011	0.015	-0.943	-128.812
8266_8266	8266	8266	109.875	23.363	0.02	-0.035	0.943	128.705
8266_8267	8266	8267	-113.799	-2.654	-0.02	0.035	-1.153	11.239
8267_8267	8267	8267	113.797	2.654	0.02	-0.006	1.153	-11.238
8267_8268	8267	8268	-116.942	13.941	-0.02	0.006	-1.321	-33.248
8268_8268	8268	8268	71.552	21.684	-0.163	0.048	1.652	107.658
8268_8269	8268	8269	-79.872	3.842	0.163	-0.048	0.417	14.669
8269_8269	8269	8269	79.87	-3.842	-0.163	-0.073	-0.417	-14.671
8269_8270	8269	8270	-86.705	24.811	0.163	0.073	2.116	-127.643
8270_8270	8270	8270	86.707	33.161	0.089	0.01	-2.116	127.554
8270_8271	8270	8271	-53.727	-9.682	-0.089	-0.01	1.074	87.615
8271_8271	8271	8271	53.727	9.682	0.089	-0.013	-1.074	-87.615
8271_8272	8271	8272	-19.712	14.532	-0.089	0.013	0	21.932
8372_8372	8372	8372	32.487	10.498	-0.2	-0.018	0.14	-43.386
8372_8373	8372	8373	-32.487	8.025	0.2	0.018	2.337	58.717
8373_8373	8373	8373	60.552	-8.025	-0.202	0.015	-2.055	-95.979
8373_8374	8373	8374	-60.552	25.053	0.202	-0.015	4.359	-92.5
8374_8374	8374	8374	72.639	15.403	0.103	0.001	-3.887	76.49
8374_8375	8374	8375	-72.639	0.286	-0.103	-0.001	2.805	2.877
8375_8375	8375	8375	69.944	-0.286	0.089	0.002	-2.108	0.873
8375_8376	8375	8376	-69.944	14.635	-0.089	-0.002	1.25	-72.523
8376_8376	8376	8376	68.652	18.275	0.168	0.213	-0.851	74.807
8376_8377	8376	8377	-68.652	-1.018	-0.168	-0.213	-1.085	36.606
8377_8377	8377	8377	68.663	1.018	0.115	-0.216	1.452	-36.647
8377_8378	8377	8378	-68.663	17.215	-0.115	0.216	-2.86	-62.178
8378_8378	8378	8378	68.467	16.629	-0.193	0.004	3.351	62.434
8378_8379	8378	8379	-68.467	1.886	0.193	-0.004	-0.964	28.91
8379_8379	8379	8379	68.221	-1.886	-0.196	0.011	1.264	-28.373
8379_8380	8379	8380	-68.221	18.628	0.196	-0.011	0.932	-86.558
8380_8380	8380	8380	66.812	17.672	0.003	0.042	-0.702	87.663
8380_8381	8380	8381	-66.812	-2.134	-0.003	-0.042	0.672	15.319
8381_8381	8381	8381	64.338	2.134	-0.032	-0.014	-0.348	-12.142
8381_8382	8381	8382	-64.338	12.614	0.032	0.014	0.668	-39.576
8382_8382	8382	8382	61.557	16.952	-0.025	0.041	-0.349	43.308
8382_8383	8382	8383	-61.557	-0.279	0.025	-0.041	0.633	52.833

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8383_8383	8383	8383	58.429	0.277	-0.028	0.003	-0.472	-48.729
8383_8384	8383	8384	-58.429	16.936	0.028	-0.003	0.789	-47.227
8384_8384	8384	8384	67.912	17.323	-0.049	-0.001	0.115	30.034
8384_8385	8384	8385	-67.912	-0.799	0.049	0.001	0.436	71.007
8385_8385	8385	8385	57.535	0.799	-0.045	0.06	0.214	-56.461
8385_8386	8385	8386	-57.535	15.736	0.045	-0.06	0.287	-26.884
8386_8386	8386	8386	53.053	17.802	-0.016	0.256	0.145	32.816
8386_8387	8386	8387	-53.053	-1.385	0.016	-0.256	0.03	73.479
8387_8387	8387	8387	54.571	1.385	-0.028	-0.169	0.298	-75.743
8387_8388	8387	8388	-54.571	17.393	0.028	0.169	0.051	-25.692
8388_8388	8388	8388	56.021	17.628	-0.043	0.005	0.427	24.132
8388_8389	8388	8389	-56.021	0.266	0.043	-0.005	0.098	80.695
8389_8389	8389	8389	57.28	-0.266	-0.044	0.047	0.436	-82.543
8389_8390	8389	8390	-57.28	17.578	0.044	-0.047	0.082	-21.695
8390_8390	8390	8390	58.709	17.321	-0.042	0.24	0.466	19.79
8390_8391	8390	8391	-58.709	1.521	0.042	-0.24	0.065	80.668
8391_8391	8391	8391	60.225	-1.521	-0.081	-0.238	0.675	-82.81
8391_8392	8391	8392	-60.225	17.884	0.081	0.238	0.216	-24.339
8392_8392	8392	8392	61.8	17.154	-0.07	-0.012	0.7	21.842
8392_8393	8392	8393	-61.8	-0.284	0.07	0.012	0.101	77.423
8393_8393	8393	8393	63.617	0.284	-0.057	0.026	0.771	-79.899
8393_8394	8393	8394	-63.617	18.038	0.057	-0.026	-0.066	-29.866
8394_8394	8394	8394	65.768	16.541	-0.087	0.239	0.834	26.603
8394_8395	8394	8395	-65.768	1.074	0.087	-0.239	0.206	65.329
8395_8395	8395	8395	68.175	-1.074	-0.121	-0.249	0.697	-68.522
8395_8396	8395	8396	-68.175	18.635	0.121	0.249	0.739	-48.261
8396_8396	8396	8396	67.557	18.687	0.037	-0.039	0.234	49.55
8396_8397	8396	8397	-67.557	-0.925	-0.037	0.039	-0.678	67.99
8397_8397	8397	8397	63.851	0.925	0.038	0.009	1.514	-63.111
8397_8398	8397	8398	-63.851	16.495	-0.038	-0.009	-1.959	-28.41
8398_8398	8398	8398	40.618	18.591	-0.533	0.002	3.857	59.208
8398_8399	8398	8399	-40.618	-3.733	0.533	-0.002	1.486	52.718
8572_8572	8572	8572	17.852	10.585	-0.169	0.006	0	-23.874
8572_8573	8572	8573	-50.381	7.943	0.169	-0.006	2.09	75.996
8573_8573	8573	8573	50.381	-7.943	-0.169	-0.004	-2.09	-75.996
8573_8574	8573	8574	-80.076	24.857	0.169	0.004	3.998	-77.023
8574_8574	8574	8574	80.094	15.876	0.124	0	-3.998	76.989
8574_8575	8574	8575	-73.494	-0.471	-0.124	0	2.721	-0.333
8575_8575	8575	8575	73.494	0.471	0.124	0.002	-2.721	0.332
8575_8576	8575	8576	-67.415	13.717	-0.124	-0.002	1.545	-70.235
8576_8576	8576	8576	67.356	17.732	0.238	0.227	-1.545	69.878
8576_8577	8576	8577	-68.704	-0.408	-0.238	-0.227	-1.217	36.813
8577_8577	8577	8577	68.861	0.408	0.239	-0.186	1.21	-37.012
8577_8578	8577	8578	-70.301	18.075	-0.239	0.186	-4.162	-70.618
8578_8578	8578	8578	70.294	17.528	-0.238	-0.018	4.162	70.686
8578_8579	8578	8579	-68.934	0.584	0.238	0.018	-1.275	30.147
8579_8579	8579	8579	68.934	-0.584	-0.238	-0.002	1.275	-30.147
8579_8580	8579	8580	-67.655	17.607	0.238	0.002	1.439	-75.23
8580_8580	8580	8580	67.73	17.15	0.052	0.066	-1.439	76.073
8580_8581	8580	8581	-65.872	-1.914	-0.052	-0.066	0.911	19.407
8581_8581	8581	8581	65.875	1.914	0.052	-0.036	-0.911	-19.407
8581_8582	8581	8582	-64.05	13.054	-0.052	0.036	0.393	-38.083
8582_8582	8582	8582	64.068	16.759	-0.005	0.018	-0.393	37.954

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
8582_8583	8582	8583	-60.643	-0.551	0.005	-0.018	0.444	52.306
8583_8583	8583	8583	60.735	0.55	-0.005	0.041	-0.444	-52.414
8583_8584	8583	8584	-57.033	16.96	0.005	-0.041	0.497	-47.661
8584_8584	8584	8584	73.307	17.282	0.01	0.057	-0.219	21.189
8584_8585	8584	8585	-61.262	-0.51	-0.01	-0.057	0.106	64.751
8585_8585	8585	8585	61.262	0.51	0.01	0.006	-0.106	-64.751
8585_8586	8585	8586	-49.64	15.672	-0.01	-0.006	-0.003	-32.269
8586_8586	8586	8586	49.652	17.528	0.007	0.273	0.003	32.329
8586_8587	8586	8587	-51.88	-1.319	-0.007	-0.273	-0.077	73.725
8587_8587	8587	8587	51.882	1.319	0.007	-0.177	0.077	-73.726
8587_8588	8587	8588	-54.478	17.573	-0.007	0.177	-0.164	-26.437
8588_8588	8588	8588	54.446	17.537	0.002	0.016	0.164	25.538
8588_8589	8588	8589	-55.386	0.18	-0.002	-0.016	-0.187	79.55
8589_8589	8589	8589	55.387	-0.18	0.002	0.036	0.187	-79.55
8589_8590	8589	8590	-56.308	17.546	-0.002	-0.036	-0.21	-23.027
8590_8590	8590	8590	56.308	17.226	0.003	0.243	0.21	23.063
8590_8591	8590	8591	-58.204	1.501	-0.003	-0.243	-0.253	78.63
8591_8591	8591	8591	58.199	-1.501	0.003	-0.242	0.253	-78.632
8591_8592	8591	8592	-59.855	17.858	-0.003	0.242	-0.29	-26.186
8592_8592	8592	8592	59.858	17.212	0.003	0.004	0.29	26.698
8592_8593	8592	8593	-61.291	-0.583	-0.003	-0.004	-0.325	74.846
8593_8593	8593	8593	61.291	0.583	0.003	0.005	0.325	-74.846
8593_8594	8593	8594	-62.88	17.869	-0.003	-0.005	-0.362	-30.905
8594_8594	8594	8594	62.881	16.249	-0.004	0.214	0.362	31.438
8594_8595	8594	8595	-67.184	1.374	0.004	-0.214	-0.315	61.762
8595_8595	8595	8595	67.173	-1.374	-0.004	-0.231	0.315	-61.766
8595_8596	8595	8596	-71.437	18.834	0.004	0.231	-0.268	-52.591
8596_8596	8596	8596	71.409	19.17	0.013	-0.031	0.268	52.291
8596_8597	8596	8597	-65.187	-1.448	-0.013	0.031	-0.428	63.948
8597_8597	8597	8597	65.187	1.448	0.013	-0.013	0.428	-63.947
8597_8598	8597	8598	-59.095	15.904	-0.013	0.013	-0.585	-27.616
8598_8598	8598	8598	59.184	19.517	-0.088	-0.028	0.585	27.49
8598_8599	8598	8599	-19.074	-9.635	0.088	0.028	0	24.536
9000_9000	9000	9000	55.598	391.984	4.224	8.355	0	-375.809
9000_9001	9000	9001	-35.782	-364.248	-4.224	-8.355	-35.059	3422.916
9001_9001	9001	9001	35.794	364.244	4.234	4.218	35.059	-3422.93
9001_9002	9001	9002	-17.059	-334.522	-4.234	-4.218	-72.714	6444.117
9002_9002	9002	9002	17.067	320.721	-3.972	12.179	72.714	-6444.12
9002_9003	9002	9003	6.261	-280.342	3.972	-12.179	-24.716	9968.299
9003_9003	9003	9003	-6.272	280.336	-3.96	-4.001	24.716	-9968.3
9003_9004	9003	9004	24.838	-239.933	3.96	4.001	23.161	13028.26
9004_9004	9004	9004	-24.837	218.377	0.803	15.355	-23.161	-13028.3
9004_9005	9004	9005	39.426	-178.011	-0.803	-15.355	13.466	15355.55
9005_9005	9005	9005	-39.424	178.006	0.815	-9.872	-13.466	-15355.6
9005_9006	9005	9006	49.249	-137.616	-0.815	9.872	3.616	17218.22
9006_9006	9006	9006	-49.248	115.878	0.309	8.489	-3.616	-17218.2
9006_9007	9006	9007	56.737	-75.493	-0.309	-8.489	-0.12	18340.65
9007_9007	9007	9007	-56.737	75.488	0.315	-5.686	0.12	-18340.7
9007_9008	9007	9008	59.452	-35.107	-0.315	5.686	-3.925	18997
9008_9008	9008	9008	-59.452	13.076	-0.145	-1.203	3.925	-18997
9008_9009	9008	9009	60.192	27.326	0.145	1.203	-2.171	18908.17
9009_9009	9009	9009	-60.192	-27.331	-0.146	0.688	2.171	-18908.2
9009_9010	9009	9010	56.159	67.699	0.146	-0.688	-0.409	18353.59

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9010_9010	9010	9010	-56.159	-90.823	0.865	11.656	0.409	-18353.6
9010_9011	9010	9011	50.128	131.216	-0.865	-11.656	-10.863	17040.33
9011_9011	9011	9011	-50.127	-131.221	0.876	-14.62	10.863	-17040.3
9011_9012	9011	9012	39.323	171.606	-0.876	14.62	-21.455	15261.28
9012_9012	9012	9012	-39.323	-193.901	0.574	7.259	21.455	-15261.3
9012_9013	9012	9013	26.238	234.281	-0.574	-7.259	-28.395	12735.62
9013_9013	9013	9013	-26.238	-234.286	0.586	-12.198	28.395	-12735.6
9013_9014	9013	9014	8.385	274.658	-0.586	12.198	-35.474	9744.699
9014_9014	9014	9014	-8.382	-296.147	0.561	1.978	35.474	-9744.7
9014_9015	9014	9015	-18.93	348.095	-0.561	-1.978	-44.19	4864.577
9015_9015	9015	9015	17.542	-346.951	0.392	-5.759	41.287	-4826.92
9015_9016	9015	9016	-37.987	372.916	-0.392	5.768	-44.525	1934.754
9016_9016	9016	9016	62.327	-393.136	-3.363	-4.186	62.974	-2013.81
9016_9017	9016	9017	-91.139	430.395	3.363	4.203	-23.417	-2704.7
9017_9017	9017	9017	103.182	-428.515	-3.347	1.033	23.657	2703.936
9017_9018	9017	9018	-131.173	473.361	3.347	-1.004	20.783	-8540.59
9018_9018	9018	9018	146.168	-493.166	4.28	-13.254	-22.073	8540.793
9018_9019	9018	9019	-165.796	537.453	-4.28	13.183	-31.632	-14858.8
9019_9019	9019	9019	180.332	-534.646	4.292	9.729	34.053	14859.54
9019_9020	9019	9020	-194.426	581.558	-4.292	-9.808	-88.098	-21733.8
9020_9020	9020	9020	-2103.44	181.276	-25.175	-3.215	543.461	3956.03
9020_9021	9020	9021	2123.201	-150.572	25.175	3.215	-304.233	-2458.82
9021_9021	9021	9021	-2118.47	150.479	-20.427	1.967	306.012	2435.525
9021_9022	9021	9022	2132.906	-127.59	20.427	-1.967	-147.93	-1417.65
9022_9022	9022	9022	-2132.89	127.579	-22.528	0.637	147.93	1417.646
9022_9023	9022	9023	2145.147	-104.628	22.528	-0.637	26.888	-566.035
9023_9023	9023	9023	-2145.21	85.616	-4.708	-0.194	-26.888	566.026
9023_9024	9023	9024	2155.364	-61.956	4.708	0.194	64.554	-16.624
9024_9024	9024	9024	-2155.36	61.945	-4.708	-0.194	-64.554	16.624
9024_9025	9024	9025	2163.159	-38.285	4.708	0.194	102.219	352.904
9025_9025	9025	9025	-2163.16	34.893	-2.073	-0.48	-102.219	-352.903
9025_9026	9025	9026	2166.197	-11.237	2.073	0.48	118.8	525.168
9026_9026	9026	9026	-2166.2	-5.36	-4.881	0.003	-118.8	-525.16
9026_9027	9026	9027	2167.307	23.095	4.881	-0.003	148.067	435.371
9027_9027	9027	9027	-2167.31	-23.104	-0.981	-0.523	-148.067	-435.371
9027_9028	9027	9028	2167.098	40.865	0.981	0.523	153.961	244.158
9028_9028	9028	9028	-2167.1	-40.874	-1.364	-0.506	-153.961	-244.158
9028_9029	9028	9029	2165.557	58.606	1.364	0.506	162.141	-47.852
9029_9029	9029	9029	-2165.56	-58.614	-0.981	-0.473	-162.141	47.852
9029_9030	9029	9030	2162.686	76.376	0.981	0.473	168.035	-441.628
9030_9030	9030	9030	-2162.69	-93.223	1.516	-1.5	-168.035	441.625
9030_9031	9030	9031	2157.31	116.869	-1.516	1.5	155.914	-1259.85
9031_9031	9031	9031	-2157.31	-116.881	1.516	-1.5	-155.914	1259.851
9031_9032	9031	9032	2149.578	140.528	-1.516	1.5	143.792	-2257.76
9032_9032	9032	9032	-2149.57	-140.54	4.433	1.651	-143.792	2257.754
9032_9033	9032	9033	2139.472	164.213	-4.433	-1.651	108.311	-3436.75
9033_9033	9033	9033	-2139.43	-182.897	15.713	-5.272	-108.311	3436.782
9033_9034	9033	9034	2127.379	205.825	-15.713	5.272	-13.5	-4895.01
9034_9034	9034	9034	-2127.38	-205.836	15.713	-5.272	13.5	4895.011
9034_9035	9034	9035	2113.108	228.765	-15.713	5.272	-135.311	-6522.17
9035_9035	9035	9035	-2118.61	-228.862	20.698	9.82	133.996	6549.185
9035_9036	9035	9036	2099.127	259.556	-20.698	-9.82	-330.616	-8790.7
9036_9036	9036	9036	174.413	496.635	-3.222	-26.636	47.387	27766.93

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9036_9037	9036	9037	-164.248	-449.729	3.222	26.582	-6.85	-21942.4
9037_9037	9037	9037	151.984	451.926	-3.136	25.32	1.451	21941.71
9037_9038	9037	9038	-137.318	-407.584	3.136	-25.368	37.915	-16671.9
9038_9038	9038	9038	124.902	389.832	2.215	-3.925	-35.329	16671.9
9038_9039	9038	9039	-103.292	-344.978	-2.215	3.963	5.931	-11922.8
9039_9039	9039	9039	534.668	340.516	1.141	4.754	-10.314	9555.763
9039_9040	9039	9040	-520.239	-303.011	-1.141	-4.763	-3.105	-5931.16
9040_9040	9040	9040	513.735	284.122	0.333	0.324	3.294	5932.14
9040_9041	9040	9041	-483.106	-258.221	-0.333	-0.322	-6.039	-3850.51
9041_9041	9041	9041	553.67	259.966	0.381	0.534	4.278	3492.45
9041_9042	9041	9042	-469.595	-216.749	-0.381	-0.534	-10.031	-256.334
9042_9042	9042	9042	469.596	196.039	-0.158	2.417	10.031	256.328
9042_9043	9042	9043	-408.652	-162.075	0.158	-2.417	-8.15	1603.373
9043_9043	9043	9043	408.652	162.08	-0.116	-1.718	8.15	-1603.37
9043_9044	9043	9044	-353.407	-128.147	0.116	1.718	-6.778	3080.925
9044_9044	9044	9044	353.406	103.61	-0.077	3.016	6.778	-3080.92
9044_9045	9044	9045	-305.464	-69.653	0.077	-3.016	-5.868	3894.234
9045_9045	9045	9045	305.464	69.659	-0.029	-2.622	5.868	-3894.23
9045_9046	9045	9046	-263.174	-35.705	0.029	2.622	-5.519	4326.742
9046_9046	9046	9046	263.174	14.322	0.003	2.525	5.519	-4326.74
9046_9047	9046	9047	-224.049	19.627	-0.003	-2.525	-5.558	4114.813
9047_9047	9047	9047	224.048	-19.621	0.051	-2.56	5.558	-4114.81
9047_9048	9047	9048	-190.572	53.567	-0.051	2.56	-6.158	3522.33
9048_9048	9048	9048	190.572	-74.754	0.149	1.231	6.158	-3522.33
9048_9049	9048	9049	-160.325	108.696	-0.149	-1.231	-7.927	2288.33
9049_9049	9049	9049	160.325	-108.69	0.196	-1.671	7.927	-2288.33
9049_9050	9049	9050	-135.724	142.629	-0.196	1.671	-10.258	674.015
9050_9050	9050	9050	135.722	-162.839	-0.177	-0.853	10.258	-674.009
9050_9051	9050	9051	-109.939	206.097	0.177	0.853	-7.577	-2251.19
9051_9051	9051	9051	110.098	-204.947	-0.095	0.946	7.888	2262.486
9051_9052	9051	9052	-100.076	229.183	0.095	-0.94	-7.104	-4110.89
9052_9052	9052	9052	105.756	-247.452	-1.076	-1.25	7.057	4111.527
9052_9053	9052	9053	-95.045	282.375	1.076	1.235	5.589	-7302.33
9053_9053	9053	9053	89.128	-280.973	-2.277	0.464	3.403	7376.992
9053_9054	9053	9054	-90.713	325.312	2.277	-0.435	26.83	-11422.9
9054_9054	9054	9054	101.683	-343.24	2.256	-7.448	-27.585	11424.75
9054_9055	9054	9055	-108.482	386.822	-2.256	7.412	-0.732	-15996.6
9055_9055	9055	9055	119.132	-383.9	2.3	5.937	2.095	15999.52
9055_9056	9055	9056	-129.422	429.781	-2.3	-5.979	-31.048	-21081.7
9056_9056	9056	9056	-1801.78	243.09	-18.997	-5.157	334.804	6216.032
9056_9057	9056	9057	1828.278	-212.724	18.997	5.157	-154.356	-4162.12
9057_9057	9057	9057	-1829.22	212.717	-15.464	3.05	155.606	4131.69
9057_9058	9057	9058	1848.632	-188.396	15.464	-3.05	-35.726	-2658.2
9058_9058	9058	9058	-1848.65	188.396	-12.891	6.972	35.726	2658.189
9058_9059	9058	9059	1865.96	-164.078	12.891	-6.972	64.203	-1364.97
9059_9059	9059	9059	-1865.98	146.274	-4.937	-0.29	-64.203	1364.947
9059_9060	9059	9060	1881.634	-121.2	4.937	0.29	103.661	-362.479
9060_9060	9060	9060	-1881.64	117.813	-2.257	1.094	-103.661	362.477
9060_9061	9060	9061	1892.803	-92.71	2.257	-1.094	121.721	431.324
9061_9061	9061	9061	-1892.8	92.711	-2.257	1.094	-121.721	-431.324
9061_9062	9061	9062	1901.732	-67.607	2.257	-1.094	139.781	1033.197
9062_9062	9062	9062	-1901.73	51.577	0.391	0.517	-139.781	-1033.2
9062_9063	9062	9063	1907.339	-32.737	-0.391	-0.517	137.434	1261.047

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9063_9063	9063	9063	-1907.34	32.737	-3.175	1.105	-137.434	-1261.04
9063_9064	9063	9064	1911.682	-13.926	3.175	-1.105	156.47	1380.683
9064_9064	9064	9064	-1911.68	13.926	3.479	-0.211	-156.47	-1380.69
9064_9065	9064	9065	1914.77	4.881	-3.479	0.211	135.612	1392.564
9065_9065	9065	9065	-1914.77	-4.88	0.391	0.347	-135.612	-1392.56
9065_9066	9065	9066	1916.61	23.72	-0.391	-0.347	133.265	1296.451
9066_9066	9066	9066	-1916.61	-39.686	2.099	0.024	-133.265	-1296.46
9066_9067	9066	9067	1917.631	64.782	-2.099	-0.024	116.477	870.66
9067_9067	9067	9067	-1917.63	-64.782	4.593	0.324	-116.477	-870.662
9067_9068	9067	9068	1916.413	89.876	-4.593	-0.324	79.74	253.104
9068_9068	9068	9068	-1916.41	-89.875	4.593	0.324	-79.74	-253.104
9068_9069	9068	9069	1912.967	114.97	-4.593	-0.324	43.003	-556.245
9069_9069	9069	9069	-1912.93	-132.411	15.255	-3.354	-43.003	556.26
9069_9070	9069	9070	1907.53	156.717	-15.255	3.354	-75.181	-1658.47
9070_9070	9070	9070	-1907.53	-156.716	15.428	-3.111	75.181	1658.469
9070_9071	9070	9071	1900.019	181.053	-15.428	3.111	-194.859	-2942.37
9071_9071	9071	9071	-1898.18	-181.064	18.935	4.478	195.596	2969.771
9071_9072	9071	9072	1886.144	211.436	-18.935	-4.478	-375.479	-4790.39
9072_9072	9072	9072	82.26	464.989	-2.204	-11.685	41.599	19277.38
9072_9073	9072	9073	-47.938	-419.413	2.204	11.64	-13.863	-13874.6
9073_9073	9073	9073	36.432	422.054	-2.113	14.669	11.111	13872.57
9073_9074	9073	9074	2.612	-378.807	2.113	-14.709	15.426	-8991.73
9074_9074	9074	9074	-14.197	363.61	2.429	1.814	-14.175	8990.505
9074_9075	9074	9075	56.581	-319.633	-2.429	-1.77	-18.063	-4588.72
9075_9075	9075	9075	382.973	315.472	1.28	0.788	4.102	2178.078
9075_9076	9075	9076	-363.74	-281.121	-1.28	-0.794	-19.154	1193.012
9076_9076	9076	9076	357.664	264.559	-0.377	2.419	19.147	-1192.44
9076_9077	9076	9077	-331.255	-240.772	0.377	-2.417	-16.035	3152.724
9077_9077	9077	9077	302.953	239.397	-0.391	-0.384	18.385	-3115.05
9077_9078	9077	9078	-259.673	-197.825	0.391	0.384	-13.028	5916.633
9078_9078	9078	9078	259.674	180.204	-0.228	5.602	13.028	-5916.65
9078_9079	9078	9079	-227.694	-146.379	0.228	-5.602	-10.485	7592.893
9079_9079	9079	9079	227.694	146.389	-0.177	-3.557	10.485	-7592.89
9079_9080	9079	9080	-200.135	-112.535	0.177	3.557	-8.509	8911.775
9080_9080	9080	9080	200.135	94.164	-0.103	0.684	8.509	-8911.77
9080_9081	9080	9081	-174.901	-60.314	0.103	-0.684	-7.363	9657.366
9081_9081	9081	9081	174.901	60.324	-0.103	0.684	7.363	-9657.37
9081_9082	9081	9082	-154.117	-26.474	0.103	-0.684	-6.218	10044.11
9082_9082	9082	9082	154.116	6.963	-0.113	4.378	6.218	-10044.1
9082_9083	9082	9083	-134.01	29.433	0.113	-4.378	-4.856	9813.61
9083_9083	9083	9083	134.009	-29.422	-0.071	-4.192	4.856	-9813.61
9083_9084	9083	9084	-119.058	65.787	0.071	4.192	-4.005	9169.011
9084_9084	9084	9084	119.059	-85.372	0.024	3.434	4.005	-9169.02
9084_9085	9084	9085	-107.19	119.214	-0.024	-3.434	-4.277	7967.397
9085_9085	9085	9085	107.19	-119.204	0.073	-4.275	4.277	-7967.4
9085_9086	9085	9086	-99.77	153.045	-0.073	4.275	-5.087	6407.168
9086_9086	9086	9086	99.769	-171.898	-0.057	1.204	5.087	-6407.16
9086_9087	9086	9087	-94.402	205.768	0.057	-1.204	-4.45	4265.54
9087_9087	9087	9087	94.401	-205.758	-0.011	-2.718	4.45	-4265.54
9087_9088	9087	9088	-93.487	239.596	0.011	2.718	-4.327	1767.164
9088_9088	9088	9088	93.485	-257.292	-0.199	-1.721	4.327	-1767.15
9088_9089	9088	9089	-95.901	297.257	0.199	1.721	-1.709	-1888.38
9089_9089	9089	9089	99.855	-296.126	-0.188	-0.364	1.338	1913.656

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9089_9090	9089	9090	-103.915	321.116	0.188	0.37	0.218	-4454.31
9090_9090	9090	9090	111.51	-341.765	-0.414	-6.31	-0.424	4454.802
9090_9091	9090	9091	-121.11	377.645	0.414	6.291	5.288	-8654.61
9091_9091	9091	9091	120.933	-375.263	-1.408	3.498	0.848	8713.11
9091_9092	9091	9092	-135.064	419.238	1.408	-3.47	17.845	-13929.6
9092_9092	9092	9092	148.538	-436.505	1.307	-24.363	-20.266	13931.08
9092_9093	9092	9093	-160.538	479.795	-1.307	24.305	3.855	-19616.5
9093_9093	9093	9093	173.645	-476.145	1.44	23.18	1.02	19619.21
9093_9094	9093	9094	-184.531	521.774	-1.44	-23.246	-19.149	-25822.6
9094_9094	9094	9094	-2071.03	217.054	-13.84	-4.237	205.068	6873.653
9094_9095	9094	9095	2092.421	-186.915	13.84	4.237	-73.626	-5042.65
9095_9095	9095	9095	-2094.46	186.984	-10.298	3.806	72.575	5052.508
9095_9096	9095	9096	2109.038	-162.957	10.298	-3.806	7.293	-3755.23
9096_9096	9096	9096	-2109.04	162.962	-10.405	3.614	-7.293	3755.232
9096_9097	9096	9097	2121.601	-138.966	10.405	-3.614	87.888	-2637.59
9097_9097	9097	9097	-2121.64	121.063	1.905	-1.663	-87.888	2637.547
9097_9098	9097	9098	2132.44	-96.262	-1.905	1.663	72.638	-1812.35
9098_9098	9098	9098	-2132.44	96.267	4.579	1.047	-72.638	1812.345
9098_9099	9098	9099	2141.094	-71.498	-4.579	-1.047	36.027	-1177.82
9099_9099	9099	9099	-2141.09	71.503	4.676	1.121	-36.027	1177.816
9099_9100	9099	9100	2147.628	-46.704	-4.676	-1.121	-1.407	-732.333
9100_9100	9100	9100	-2147.61	31.68	-0.747	-0.642	1.407	732.324
9100_9101	9100	9101	2151.439	-13.081	0.747	0.642	3.078	-614.409
9101_9101	9101	9101	-2151.44	13.085	-0.87	-0.711	-3.078	614.409
9101_9102	9101	9102	2154.061	5.483	0.87	0.711	8.294	-603.262
9102_9102	9102	9102	-2154.06	-5.479	-0.747	-0.641	-8.294	603.262
9102_9103	9102	9103	2155.487	24.078	0.747	0.641	12.779	-698.847
9103_9103	9103	9103	-2155.49	-24.074	2.949	1.681	-12.779	698.846
9103_9104	9103	9104	2155.711	42.672	-2.949	-1.681	-4.923	-901.256
9104_9104	9104	9104	-2155.73	-57.621	-5.808	-2.182	4.923	901.265
9104_9105	9104	9105	2154.607	82.387	5.808	2.182	41.506	-1457.98
9105_9105	9105	9105	-2154.61	-82.382	-2.949	0.636	-41.506	1457.978
9105_9106	9105	9106	2151.36	107.178	2.949	-0.636	65.109	-2205.15
9106_9106	9106	9106	-2151.36	-107.172	-3.032	0.526	-65.109	2205.147
9106_9107	9106	9107	2145.98	131.937	3.032	-0.526	89.348	-3140.92
9107_9107	9107	9107	-2145.95	-149.535	9.243	-3.256	-89.348	3140.959
9107_9108	9107	9108	2138.719	173.555	-9.243	3.256	17.684	-4366.12
9108_9108	9108	9108	-2138.72	-173.55	9.243	-3.256	-17.684	4366.124
9108_9109	9108	9109	2129.483	197.57	-9.243	3.256	-53.981	-5769.49
9109_9109	9109	9109	-2129.34	-197.517	11.54	3.261	54.115	5768.827
9109_9110	9109	9110	2114.794	227.677	-11.54	-3.261	-163.784	-7733.17
9110_9110	9110	9110	146.737	511.292	-1.497	-17.293	17.101	26744.43
9110_9111	9110	9111	-124.015	-465.821	1.497	17.24	1.741	-20733.6
9111_9111	9111	9111	110.987	465.495	-1.387	18.22	-5.378	20731.51
9111_9112	9111	9112	-85.635	-422.361	1.387	-18.267	22.788	-15275.7
9112_9112	9112	9112	72.755	406.215	1.622	-1.754	-21.009	15274.8
9112_9113	9112	9113	-42.313	-362.42	-1.622	1.786	-0.508	-10290.8
9113_9113	9113	9113	428.907	359.788	0.907	4.375	2.252	8159.527
9113_9114	9113	9114	-413.519	-323.853	-0.907	-4.38	-12.919	-4272.2
9114_9114	9114	9114	406.539	307.145	-0.126	1.006	13.037	4272.984
9114_9115	9114	9115	-380.252	-282.25	0.126	-1.006	-11.998	-1966.7
9115_9115	9115	9115	429.222	283.808	-0.112	0.648	11.603	1589.413
9115_9116	9115	9116	-367.691	-244.421	0.112	-0.648	-10.064	1753.226

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9116_9116	9116	9116	367.694	226.111	-0.222	6.902	10.064	-1753.24
9116_9117	9116	9117	-321.512	-194.051	0.222	-6.902	-7.582	3887.976
9117_9117	9117	9117	321.512	194.065	-0.101	-5.848	7.582	-3887.97
9117_9118	9117	9118	-280.11	-161.977	0.101	5.848	-6.448	5686.959
9118_9118	9118	9118	280.11	143.279	-0.438	8.747	6.448	-5686.96
9118_9119	9118	9119	-240.997	-111.22	0.438	-8.747	-1.561	6927.338
9119_9119	9119	9119	240.997	111.234	-0.317	-8.048	1.561	-6927.34
9119_9120	9119	9120	-206.67	-79.147	0.317	8.048	1.98	7831.215
9120_9120	9120	9120	206.669	59.994	-0.025	8.256	-1.98	-7831.23
9120_9121	9120	9121	-172.067	-25.552	0.025	-8.256	2.282	8182.638
9121_9121	9121	9121	172.067	25.568	0.087	-8.226	-2.282	-8182.64
9121_9122	9121	9122	-142.998	8.902	-0.087	8.226	1.236	8144.751
9122_9122	9122	9122	142.999	-28.172	-0.233	11.148	-1.236	-8144.75
9122_9123	9122	9123	-117.725	60.258	0.233	-11.148	3.84	7530.151
9123_9123	9123	9123	117.724	-60.244	-0.053	-11.718	-3.84	-7530.15
9123_9124	9123	9124	-97.272	92.329	0.053	11.718	4.437	6577.892
9124_9124	9124	9124	97.272	-113.624	-0.286	4.449	-4.437	-6577.9
9124_9125	9124	9125	-82.104	145.68	0.286	-4.449	7.633	5053.434
9125_9125	9125	9125	82.103	-145.665	-0.166	-5.452	-7.633	-5053.44
9125_9126	9125	9126	-71.74	177.75	0.166	5.452	9.487	3190.117
9126_9126	9126	9126	71.739	-194.329	0.592	-0.148	-9.487	-3190.11
9126_9127	9126	9127	-62.363	232.789	-0.592	0.148	1.554	275.144
9127_9127	9127	9127	65.964	-231.76	0.658	-0.791	-1.902	-261.413
9127_9128	9127	9128	-63.332	254.927	-0.658	0.797	-3.524	-1767.8
9128_9128	9128	9128	69.407	-270.198	-3.189	-4.69	3.386	1768.54
9128_9129	9128	9129	-69.379	303.587	3.189	4.665	34.104	-5169.44
9129_9129	9129	9129	71.051	-301.14	-4.986	7.23	-38.114	5207.607
9129_9130	9129	9130	-82.567	343.956	4.986	-7.185	104.309	-9472.84
9130_9130	9130	9130	95.157	-377.91	9.36	-5.834	-105.493	9475.097
9130_9131	9130	9131	-119.062	420.094	-9.36	5.741	-11.978	-14385.8
9131_9131	9131	9131	130.464	-416.565	9.417	6.129	13.245	14389.04
9131_9132	9131	9132	-151.316	461.129	-9.417	-6.233	-131.873	-19809.2
9132_9132	9132	9132	-1674.21	209.404	3.463	2.361	-25.785	5272.431
9132_9133	9132	9133	1697.574	-180.019	-3.463	-2.361	-7.109	-3517.95
9133_9133	9133	9133	-1700.4	179.93	1.001	-2.644	7.839	3531.693
9133_9134	9133	9134	1718.12	-157.683	-1.001	2.644	-15.594	-2296.08
9134_9134	9134	9134	-1718.11	157.692	3.41	0.798	15.594	2296.078
9134_9135	9134	9135	1733.537	-135.445	-3.41	-0.798	-42.018	-1223.69
9135_9135	9135	9135	-1733.54	116.447	0.372	-0.919	42.018	1223.685
9135_9136	9135	9136	1746.607	-93.483	-0.372	0.919	-44.991	-438.155
9136_9136	9136	9136	-1746.61	93.492	2.705	0.393	44.991	438.155
9136_9137	9136	9137	1757.228	-70.528	-2.705	-0.393	-66.634	173.449
9137_9137	9137	9137	-1757.23	70.537	2.705	0.393	66.634	-173.449
9137_9138	9137	9138	1765.41	-47.572	-2.705	-0.393	-88.277	611.129
9138_9138	9138	9138	-1765.41	30.881	-4.609	-0.218	88.277	-611.134
9138_9139	9138	9139	1770.414	-13.657	4.609	0.218	-60.622	723.198
9139_9139	9139	9139	-1770.42	13.664	-1.497	-0.006	60.622	-723.199
9139_9140	9139	9140	1774.052	3.559	1.497	0.006	-51.637	737.43
9140_9140	9140	9140	-1774.05	-3.553	-1.497	-0.006	51.637	-737.43
9140_9141	9140	9141	1776.312	20.776	1.497	0.006	-42.652	653.828
9141_9141	9141	9141	-1776.31	-20.769	-4.609	-0.479	42.652	-653.828
9141_9142	9141	9142	1777.195	37.992	4.609	0.479	-14.997	472.393
9142_9142	9142	9142	-1777.2	-57.782	-1.612	-0.118	14.997	-472.388

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9142_9143	9142	9143	1774.482	80.746	1.612	0.118	-2.099	-73.023
9143_9143	9143	9143	-1774.48	-80.737	-3.946	-1.442	2.099	73.023
9143_9144	9143	9144	1769.319	103.701	3.946	1.442	29.468	-792.358
9144_9144	9144	9144	-1769.32	-103.692	-1.612	0.785	-29.468	792.358
9144_9145	9144	9145	1761.723	126.657	1.612	-0.785	42.366	-1685.62
9145_9145	9145	9145	-1761.72	-143.015	2.133	0.817	-42.366	1685.617
9145_9146	9145	9146	1752.064	165.262	-2.133	-0.817	25.832	-2843.79
9146_9146	9146	9146	-1752.06	-165.253	-0.276	-4.081	-25.832	2843.793
9146_9147	9146	9147	1740.117	187.5	0.276	4.081	27.969	-4165.2
9147_9147	9147	9147	-1731.75	-187.569	2.119	2.437	-28.032	4124.389
9147_9148	9147	9148	1714.482	216.952	-2.119	-2.437	7.905	-5979.27
9148_9148	9148	9148	110.947	420.162	0.221	0.238	-20.757	20545.63
9148_9149	9148	9149	-84.648	-375.801	-0.221	-0.278	17.98	-15663.3
9149_9149	9149	9149	74.342	378.782	0.221	0.77	-17.965	15660.82
9149_9150	9149	9150	-44.106	-336.782	-0.221	-0.806	15.196	-11288.7
9150_9150	9150	9150	33.877	325.491	-0.71	0.234	-15.107	11287.18
9150_9151	9150	9151	-0.492	-282.827	0.71	-0.225	24.525	-7358.18
9151_9151	9151	9151	479.535	278.372	0.171	0.654	-13.972	4741.487
9151_9152	9151	9152	-462.062	-244.475	-0.171	-0.63	11.956	-1816.27
9152_9152	9152	9152	456.826	230.31	0.389	-1.765	-11.915	1816.768
9152_9153	9152	9153	-426.493	-206.864	-0.389	1.762	8.704	-157.433
9153_9153	9153	9153	452.825	208.807	0.314	1.137	-8.541	18.125
9153_9154	9153	9154	-386.408	-170.759	-0.314	-1.137	4.229	2310.437
9154_9154	9154	9154	386.412	152.795	-0.071	3.147	-4.229	-2310.46
9154_9155	9154	9155	-337.281	-122.357	0.071	-3.147	5.007	3614.993
9155_9155	9155	9155	337.281	122.377	-0.002	-2.825	-5.007	-3614.99
9155_9156	9155	9156	-293.261	-91.939	0.002	2.825	5.031	4605.23
9156_9156	9156	9156	293.262	73.951	0.076	3.645	-5.031	-4605.24
9156_9157	9156	9157	-255.349	-46.28	-0.076	-3.645	4.274	5043.247
9157_9157	9157	9157	255.349	46.298	0.151	-3.57	-4.274	-5043.25
9157_9158	9157	9158	-221.66	-18.627	-0.151	3.57	2.763	5221.509
9158_9158	9158	9158	221.66	1.248	0.01	3.14	-2.763	-5221.51
9158_9159	9158	9159	-189.787	26.423	-0.01	-3.14	2.662	4956.37
9159_9159	9159	9159	189.787	-26.404	0.085	-3.306	-2.662	-4956.37
9159_9160	9159	9160	-162.137	54.075	-0.085	3.306	1.808	4431.482
9160_9160	9160	9160	162.135	-71.685	0.182	-0.198	-1.808	-4431.48
9160_9161	9160	9161	-134	102.096	-0.182	0.198	-0.195	3350.739
9161_9161	9161	9161	134	-105.399	0.182	-0.201	0.195	-3350.74
9161_9162	9161	9162	-114.73	135.838	-0.182	0.201	-2.2	1933.332
9162_9162	9162	9162	114.726	-151.996	-0.038	-0.17	2.2	-1933.31
9162_9163	9162	9163	-94.714	190.044	0.038	0.17	-1.677	-515.551
9163_9163	9163	9163	98.056	-188.828	-0.116	-0.526	1.807	510.351
9163_9164	9163	9164	-90.228	212.303	0.116	0.53	-0.853	-2209.22
9164_9164	9164	9164	95.361	-226.302	0.254	1.393	0.908	2210.021
9164_9165	9164	9165	-88.176	260.107	-0.254	-1.399	-3.896	-5125.92
9165_9165	9165	9165	84.249	-257.117	-0.886	-2.971	10.43	5187.98
9165_9166	9165	9166	-88.525	299.637	0.886	3.007	1.333	-8907.58
9166_9166	9166	9166	98.347	-311.75	0.499	-5.862	-1.678	8909.966
9166_9167	9166	9167	-108.099	353.583	-0.499	5.817	-4.584	-13086.2
9167_9167	9167	9167	117.854	-349.673	0.562	5.421	5.753	13089.7
9167_9168	9167	9168	-131.109	393.8	-0.562	-5.472	-12.834	-17748.4
9168_9168	9168	9168	-1508.01	218.456	-2.457	-1.029	36.886	5176.8
9168_9169	9168	9169	1533.917	-189.269	2.457	1.029	-13.544	-3345.23

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9169_9169	9169	9169	-1538.13	189.208	-0.691	2.694	14.677	3365.739
9169_9170	9169	9170	1557.498	-166.889	0.691	-2.694	-9.323	-2064.81
9170_9170	9170	9170	-1557.5	166.902	-2.965	-0.473	9.323	2064.809
9170_9171	9170	9171	1574.476	-144.583	2.965	0.473	13.659	-927.233
9171_9171	9171	9171	-1574.47	127.158	1.463	0.702	-13.659	927.233
9171_9172	9171	9172	1589.289	-104.119	-1.463	-0.702	1.954	-62.984
9172_9172	9172	9172	-1589.29	104.132	-0.74	-0.159	-1.954	62.984
9172_9173	9172	9173	1601.551	-81.093	0.74	0.159	7.876	627.202
9173_9173	9173	9173	-1601.55	81.106	1.463	-0.038	-7.876	-627.201
9173_9174	9173	9174	1611.26	-58.067	-1.463	0.038	-3.829	1143.322
9174_9174	9174	9174	-1611.26	41.209	0.857	-0.182	3.829	-1143.33
9174_9175	9174	9175	1617.345	-23.929	-0.857	0.182	-8.974	1313.064
9175_9175	9175	9175	-1617.34	23.94	-2.08	0.568	8.974	-1313.06
9175_9176	9175	9176	1621.995	-6.66	2.08	-0.568	3.508	1384.886
9176_9176	9176	9176	-1622	6.67	0.857	-0.222	-3.508	-1384.89
9176_9177	9176	9177	1625.212	10.609	-0.857	0.222	-1.637	1358.799
9177_9177	9177	9177	-1625.21	-10.599	0.857	-0.222	1.637	-1358.8
9177_9178	9177	9178	1626.992	27.879	-0.857	0.222	-6.782	1234.799
9178_9178	9178	9178	-1626.99	-44.712	-1.885	-0.011	6.782	-1234.79
9178_9179	9178	9179	1627.758	67.751	1.885	0.011	8.295	779.91
9179_9179	9179	9179	-1627.76	-67.738	0.319	0.283	-8.295	-779.911
9179_9180	9179	9180	1625.972	90.777	-0.319	-0.283	5.746	150.967
9180_9180	9180	9180	-1625.97	-90.763	-1.885	-0.821	-5.746	-150.967
9180_9181	9180	9181	1621.633	113.803	1.885	0.821	20.823	-652.042
9181_9181	9181	9181	-1621.63	-130.847	3.226	1.011	-20.823	652.04
9181_9182	9181	9182	1614.928	153.166	-3.226	-1.011	-4.177	-1727.86
9182_9182	9182	9182	-1614.93	-156.495	3.226	1.011	4.177	1727.856
9182_9183	9182	9183	1603.311	178.815	-3.226	-1.011	-29.177	-2982.93
9183_9183	9183	9183	-1593.55	-178.846	1.315	-3.218	28.651	2935.291
9183_9184	9183	9184	1576.249	208.03	-1.315	3.218	-41.147	-4706.29
9184_9184	9184	9184	97.793	400.156	-0.916	-5.699	5.574	17125.86
9184_9185	9184	9185	-64.532	-356.263	0.916	5.653	5.963	-12480.9
9185_9185	9185	9185	54.708	360.219	-0.85	6.361	-7.187	12478.01
9185_9186	9185	9186	-18.26	-318.67	0.85	-6.403	17.852	-8324.02
9186_9186	9186	9186	8.432	307.288	1.199	0.441	-17.264	8322.255
9186_9187	9186	9187	28.906	-265.038	-1.199	-0.404	1.352	-4616.29
9187_9187	9187	9187	422.663	262.199	0.154	0.673	-6.196	2148.85
9187_9188	9187	9188	-405.049	-227.751	-0.154	-0.674	4.384	598.953
9188_9188	9188	9188	400.138	212.493	0.17	-2.252	-4.337	-598.196
9188_9189	9188	9189	-372.639	-188.629	-0.17	2.256	2.934	2123.521
9189_9189	9189	9189	387.264	190.829	0.129	2.287	-3.065	-2129.31
9189_9190	9189	9190	-330.739	-150.625	-0.129	-2.287	1.287	4243.931
9190_9190	9190	9190	330.743	132.076	-0.008	-3.511	-1.287	-4243.95
9190_9191	9190	9191	-289.296	-99.913	0.008	3.511	1.378	5347.909
9191_9191	9191	9191	289.295	99.934	-0.075	4.128	-1.378	-5347.91
9191_9192	9191	9192	-252.867	-67.771	0.075	-4.128	2.204	6117.496
9192_9192	9192	9192	252.869	48.913	-0.014	4.379	-2.204	-6117.5
9192_9193	9192	9193	-222.218	-19.82	0.014	-4.379	2.341	6329.917
9193_9193	9193	9193	222.218	19.839	0.06	-4.21	-2.341	-6329.92
9193_9194	9193	9194	-195.675	9.254	-0.06	4.21	1.744	6268.747
9194_9194	9194	9194	195.676	-27.799	-0.004	3.524	-1.744	-6268.75
9194_9195	9194	9195	-171.215	56.892	0.004	-3.524	1.785	5741.441
9195_9195	9195	9195	171.215	-56.873	0.07	-3.74	-1.785	-5741.44

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9195_9196	9195	9196	-150.879	85.937	-0.07	3.74	1.093	4941.494
9196_9196	9196	9196	150.876	-105.09	0.068	1.642	-1.093	-4941.48
9196_9197	9196	9197	-131.098	137.253	-0.068	-1.642	0.344	3519.158
9197_9197	9197	9197	131.097	-137.232	0.135	-2.278	-0.344	-3519.16
9197_9198	9197	9198	-116.338	169.395	-0.135	2.278	-1.138	1762.462
9198_9198	9198	9198	116.326	-191.103	0.026	-0.67	1.138	-1762.42
9198_9199	9198	9199	-107.172	231.336	-0.026	0.67	-1.493	-1196.44
9199_9199	9199	9199	109.307	-229.87	0.097	0.218	1.606	1168.962
9199_9200	9199	9200	-107.051	254.635	-0.097	-0.211	-2.405	-3190.98
9200_9200	9200	9200	113.261	-270.712	-0.971	-0.803	2.379	3192.052
9200_9201	9200	9201	-113.895	306.351	0.971	0.77	9.04	-6610.19
9201_9201	9201	9201	116.604	-302.422	-3.025	-0.437	-1.11	6646.649
9201_9202	9201	9202	-129.448	348.311	3.025	0.489	41.265	-10944.4
9202_9202	9202	9202	140.964	-363.406	2.635	5.229	-40.852	10947.54
9202_9203	9202	9203	-155.387	408.427	-2.635	-5.275	7.774	-15755.2
9203_9203	9203	9203	166.605	-403.625	2.573	-8.152	-9.24	15759.7
9203_9204	9203	9204	-181.839	450.946	-2.573	8.101	-23.149	-21087.9
9204_9204	9204	9204	-1800.06	237.008	-12.447	-3.083	241.773	6202.982
9204_9205	9204	9205	1824.048	-205.41	12.447	3.083	-123.53	-4201.4
9205_9205	9205	9205	-1824.95	205.37	-10.326	2.995	124.777	3982.088
9205_9206	9205	9206	1842.606	-181.081	10.326	-2.995	-44.752	-2556.23
9206_9206	9206	9206	-1842.61	181.094	-10.326	2.995	44.752	2556.232
9206_9207	9206	9207	1857.973	-156.805	10.326	-2.995	35.272	-1309.41
9207_9207	9207	9207	-1858.01	137.105	-3.121	-0.704	-35.272	1309.412
9207_9208	9207	9208	1871.363	-112.033	3.121	0.704	60.241	-367.426
9208_9208	9208	9208	-1871.36	112.047	-0.534	0.736	-60.241	367.426
9208_9209	9208	9209	1882.276	-86.974	0.534	-0.736	64.509	383.785
9209_9209	9209	9209	-1882.27	86.988	2.054	1.362	-64.509	-383.787
9209_9210	9209	9210	1890.745	-61.916	-2.054	-1.362	48.077	944.223
9210_9210	9210	9210	-1890.71	44.207	-5.25	0.444	-48.077	-944.232
9210_9211	9210	9211	1895.817	-25.403	5.25	-0.444	79.578	1131.646
9211_9211	9211	9211	-1895.82	25.413	-1.8	0.265	-79.578	-1131.65
9211_9212	9211	9212	1899.555	-6.608	1.8	-0.265	90.379	1211.751
9212_9212	9212	9212	-1899.56	6.619	1.65	0.032	-90.379	-1211.75
9212_9213	9212	9213	1901.915	12.186	-1.65	-0.032	80.48	1184.541
9213_9213	9213	9213	-1901.91	-12.176	5.1	-0.091	-80.48	-1184.54
9213_9214	9213	9214	1902.897	30.981	-5.1	0.091	49.88	1050.012
9214_9214	9214	9214	-1902.96	-48.389	-6.702	-2.332	-49.88	-1050.01
9214_9215	9214	9215	1902.634	73.431	6.702	2.332	103.434	563.116
9215_9215	9215	9215	-1902.64	-73.418	-1.554	-0.817	-103.434	-563.117
9215_9216	9215	9216	1899.877	98.492	1.554	0.817	115.863	-115.079
9216_9216	9216	9216	-1899.87	-98.478	3.621	2.44	-115.863	115.077
9216_9217	9216	9217	1894.666	123.553	-3.621	-2.44	86.893	-984.11
9217_9217	9217	9217	-1894.62	-143.45	11.181	-10.952	-86.893	984.229
9217_9218	9217	9218	1887.224	167.743	-11.181	10.952	0.226	-2162.35
9218_9218	9218	9218	-1887.17	-167.729	19.192	1.969	-0.226	2162.357
9218_9219	9218	9219	1877.479	192.023	-19.192	-1.969	-148.54	-3519.67
9219_9219	9219	9219	-1871.88	-195.406	20.031	6.318	148.602	3722.076
9219_9220	9219	9220	1854.078	227.008	-20.031	-6.318	-338.94	-5657.74
9220_9220	9220	9220	170.607	443.056	-3.052	-27.307	23.633	20463.07
9220_9221	9220	9221	-142.985	-395.989	3.052	27.27	14.766	-15288.2
9221_9221	9221	9221	131.981	401.316	-2.866	29.723	-20.646	15284.54
9221_9222	9221	9222	-101.839	-356.537	2.866	-29.756	56.634	-10622

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9222_9222	9222	9222	90.48	338.053	4.611	-0.854	-53.774	10621.06
9222_9223	9222	9223	-59.642	-292.416	-4.611	0.891	-7.419	-6520.17
9223_9223	9223	9223	481.706	290.901	2.131	2.828	-25.958	4157.961
9223_9224	9223	9224	-463.525	-254.662	-2.131	-2.871	0.911	-1091.7
9224_9224	9224	9224	457.811	236.168	0.459	8.771	-0.914	1093.24
9224_9225	9224	9225	-430.963	-211.012	-0.459	-8.761	-2.879	622.143
9225_9225	9225	9225	404.755	213.959	0.632	-5.773	3.653	-446.287
9225_9226	9225	9226	-352.308	-168.364	-0.632	5.773	-12.808	2991.869
9226_9226	9226	9226	352.365	148.128	0.283	9.541	12.808	-2992.21
9226_9227	9226	9227	-316.946	-112.328	-0.283	-9.541	-16.021	4321.472
9227_9227	9227	9227	316.947	112.349	0.443	-8.706	16.021	-4321.47
9227_9228	9227	9228	-286.533	-76.544	-0.443	8.706	-21.055	5263.84
9228_9228	9228	9228	286.534	58.13	0.112	9.672	21.055	-5264.03
9228_9229	9228	9229	-260.352	-22.349	-0.112	-9.672	-22.33	5606.692
9229_9229	9229	9229	260.351	22.37	0.272	-10.155	22.33	-5606.69
9229_9230	9229	9230	-239.168	13.417	-0.272	10.155	-25.425	5562.736
9230_9230	9230	9230	239.126	-32.475	2.576	10.17	25.425	-5562.49
9230_9231	9230	9231	-221.329	70.382	-2.576	-10.17	-56.445	4861.435
9231_9231	9231	9231	221.349	-70.362	2.716	-4.118	56.445	-4861.48
9231_9232	9231	9232	-211.733	98.623	-2.716	4.118	-80.829	4056.513
9232_9232	9232	9232	214.848	-97.576	3.458	-24.911	91.546	-4068.51
9232_9233	9232	9233	-211.886	107.44	-3.458	24.919	-102.185	3738.363
9233_9233	9233	9233	213.879	-126.684	-7.122	3.597	102.396	-3737.85
9233_9234	9233	9234	-205.057	157.392	7.122	-3.739	-34.508	2337.581
9234_9234	9234	9234	207.949	-153.915	-6.964	-5.717	34.253	-2336.79
9234_9235	9234	9235	-201.479	177.959	6.964	5.506	17.222	1071.608
9235_9235	9235	9235	199.121	-175.211	-8.013	-10.5	-23.071	-1043.59
9235_9236	9235	9236	-197.175	198.934	8.013	10.231	73.013	-141.855
9236_9236	9236	9236	201.63	-215.388	11.941	-5.693	-72.959	143.495
9236_9237	9236	9237	-201.625	253.653	-11.941	6.471	-44.836	-2479.08
9237_9237	9237	9237	158.627	-250.562	12.094	2.312	103.091	2790.728
9237_9238	9237	9238	-167.573	288.151	-12.094	-1.352	-216.39	-5313.51
9238_9238	9238	9238	177.046	-306.971	-7.896	-12.36	215.328	5315.36
9238_9239	9238	9239	-186.264	344.129	7.896	11.872	-144.376	-8238.88
9239_9239	9239	9239	191.006	-341.131	-7.784	6.252	146.729	8241.821
9239_9240	9239	9240	-195.4	357.812	7.784	-6.476	-116.063	-9616.54
9240_9240	9240	9240	-1322.46	287.433	13.174	12.258	648.898	2489.138
9240_9241	9240	9241	1333.471	-263.732	-13.174	-12.258	-732.305	-788.949
9241_9241	9241	9241	-1331.58	221.38	-32.134	-0.573	732.305	789.037
9241_9242	9241	9242	1337.565	-209.548	32.134	0.573	-630.74	-132.307
9242_9242	9242	9242	-1335.54	209.542	-29.201	0.721	632.515	122.256
9242_9243	9242	9243	1356.077	-163.931	29.201	-0.721	-271.772	2100.941
9243_9243	9243	9243	-1356.14	163.948	-25.063	-2.755	271.772	-2100.98
9243_9244	9243	9244	1367.875	-130.779	25.063	2.755	-46.606	3376.709
9244_9244	9244	9244	-1367.52	109.861	-29.781	6.561	46.606	-3376.1
9244_9245	9244	9245	1380.236	-71.27	29.781	-6.561	264.676	4270.279
9245_9245	9245	9245	-1380.31	71.286	-25.439	-2.414	-264.676	-4270.3
9245_9246	9245	9246	1388.463	-37.431	25.439	2.414	497.935	4734.661
9246_9246	9246	9246	-1388.89	21.868	-9.578	6.889	-497.935	-4733.86
9246_9247	9246	9247	1395.142	17.078	9.578	-6.889	598.971	4732.393
9247_9247	9247	9247	-1395.16	-17.062	-4.364	-4.806	-598.971	-4732.41
9247_9248	9247	9248	1397.575	50.603	4.364	4.806	638.621	4413.855
9248_9248	9248	9248	-1397.63	-67.369	1.056	3.172	-638.621	-4413.37

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9248_9249	9248	9249	1397.718	102.402	-1.056	-3.172	628.598	3605.896
9249_9249	9249	9249	-1397.71	-102.387	4.88	-2.41	-628.598	-3605.89
9249_9250	9249	9250	1394.485	139.804	-4.88	2.41	579.14	2389.683
9250_9250	9250	9250	-1394.61	-156.159	19.63	-1.759	-579.14	-2389.51
9250_9251	9250	9251	1388.645	192.626	-19.63	1.759	385.253	688.966
9251_9251	9251	9251	-1388.6	-192.61	23.462	-0.143	-385.253	-688.966
9251_9252	9251	9252	1379.516	228.604	-23.462	0.143	156.524	-1329.87
9252_9252	9252	9252	-1379.16	-256.204	3.132	-61.435	-156.524	1328.88
9252_9253	9252	9253	1376.029	267.869	-3.132	61.435	146.63	-2144.85
9253_9253	9253	9253	-1373.73	-267.855	6.02	-54.969	-146.815	2133.872
9253_9254	9253	9254	1362.25	303.414	-6.02	54.969	89.618	-4803.49
9254_9254	9254	9254	169.706	336.247	-27.423	65.624	104.82	12298.69
9254_9255	9254	9255	-146.012	-286.713	27.423	-65.908	222.157	-8643.34
9255_9255	9255	9255	134.72	250.591	21.571	-13.408	-212.619	8638.57
9255_9256	9255	9256	-113.151	-207.905	-21.571	13.518	-17.809	-6235.26
9256_9256	9256	9256	108.241	212.384	21.74	16.922	15.368	6233.048
9256_9257	9256	9257	-87.466	-169.647	-21.74	-16.829	-254.715	-4168.14
9257_9257	9257	9257	83.396	148.337	-9.57	-7.542	255.989	4166.933
9257_9258	9257	9258	-74.924	-129.998	9.57	7.537	-210.013	-3513.51
9258_9258	9258	9258	30.473	133.35	-9.525	-1.848	210.19	3737.31
9258_9259	9258	9259	-15.478	-100.348	9.525	1.842	-113.911	-2578.19
9259_9259	9259	9259	13.588	102.863	-9.4	9.441	113.651	2577.538
9259_9260	9259	9260	-9.228	-81.009	9.4	-9.443	-50.416	-1961.01
9260_9260	9260	9260	390.257	60.425	-0.338	17.873	6.625	103.133
9260_9261	9260	9261	-397.796	-49.91	0.338	-17.87	-5.555	105.375
9261_9261	9261	9261	414.375	51.397	0.13	5.624	2.937	-292.461
9261_9262	9261	9262	-442.617	-13.912	-0.13	-5.624	-4.43	805.332
9262_9262	9262	9262	442.616	13.934	0.471	-9.43	4.43	-805.33
9262_9263	9262	9263	-471.157	18.351	-0.471	9.43	-9.075	920.708
9263_9263	9263	9263	471.191	-43.765	0.962	4.876	9.075	-920.691
9263_9264	9263	9264	-511.254	82.179	-0.962	-4.876	-20.369	371.135
9264_9264	9264	9264	511.255	-82.155	1.156	-4.78	20.369	-371.132
9264_9265	9264	9265	-555.071	119.157	-1.156	4.78	-33.452	-562.539
9265_9265	9265	9265	555.115	-141.571	0.717	2.655	33.452	562.718
9265_9266	9265	9266	-606.322	180.054	-0.717	-2.655	-41.888	-2217.08
9266_9266	9266	9266	606.323	-180.03	0.901	-4.125	41.888	2217.08
9266_9267	9266	9267	-660.69	216.968	-0.901	4.125	-52.062	-4208.67
9267_9267	9267	9267	660.81	-241.047	1.785	-0.883	52.062	4209.487
9267_9268	9267	9268	-696.088	262.922	-1.785	0.883	-63.997	-5733
9268_9268	9268	9268	696.09	-262.908	1.845	-1.737	63.997	5733.007
9268_9269	9268	9269	-733.392	284.916	-1.845	1.737	-76.414	-7405.8
9269_9269	9269	9269	664.899	-281.03	1.971	-3.131	72.259	7939.205
9269_9270	9269	9270	-695.123	314.913	-1.971	3.125	-91.255	-10650.6
9270_9270	9270	9270	702.474	-331.49	-2.965	-11.689	90.902	10651.68
9270_9271	9270	9271	-702.77	368.57	2.965	11.705	-60.131	-14190.9
9271_9271	9271	9271	610.369	-364.389	-2.745	-2.648	53.156	14776.86
9271_9272	9271	9272	-596.481	397.557	2.745	2.664	-30.763	-17858.5
9272_9272	9272	9272	602.011	-393.406	-2.523	20.817	32.413	17858.03
9272_9273	9272	9273	-588.803	414.8	2.523	-20.809	-19.39	-19939.6
9273_9273	9273	9273	598.969	-437.714	4.647	-38.399	14.527	19942.63
9273_9274	9273	9274	-563.778	488.633	-4.647	37.959	-70.043	-25474.8
9274_9274	9274	9274	577.11	-484.323	4.998	22.866	76.28	25475.1
9274_9275	9274	9275	-539.184	542.948	-4.998	-23.446	-142.034	-32235.2

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9275_9275	9275	9275	-2015.43	346.52	-50.32	-3.473	1068.888	10540.82
9275_9276	9275	9276	2059.034	-327.441	50.32	3.473	-823.186	-9078.85
9276_9276	9276	9276	-2059.09	327.449	-47.924	1.524	823.186	9078.867
9276_9277	9276	9277	2099.62	-309.398	47.924	-1.524	-601.785	-7778.54
9277_9277	9277	9277	-2067.8	309.273	-44.352	3.642	601.413	7808.368
9277_9278	9277	9278	2151.923	-275.517	44.352	-3.642	-192.85	-5479.07
9278_9278	9278	9278	-2445.9	264.728	-26.946	-11.137	248.058	6905.813
9278_9279	9278	9279	2463.369	-223.406	26.946	11.137	56.659	-4217.29
9279_9279	9279	9279	-2463.45	223.426	-15.793	9.735	-56.659	4217.281
9279_9280	9279	9280	2476.9	-180.845	15.793	-9.735	240.693	-1917.4
9280_9280	9280	9280	-2477.42	154.668	-24.386	-2.84	-240.693	1918.006
9280_9281	9280	9281	2485.828	-111.881	24.386	2.84	526.226	-392.301
9281_9281	9281	9281	-2485.91	111.901	-13.899	2.335	-526.226	392.3
9281_9282	9281	9282	2489.673	-68.263	13.899	-2.335	692.21	667.064
9282_9282	9282	9282	-2521.07	49.475	-9.737	0.776	-701.99	-524.106
9282_9283	9282	9283	2522.658	-7.693	9.737	-0.776	822.797	870.91
9283_9283	9283	9283	-2522.67	7.712	2.733	0.626	-822.797	-870.936
9283_9284	9283	9284	2520.193	30.126	-2.733	-0.626	792.091	753.481
9284_9284	9284	9284	-2518.93	-68.152	54.878	-1.416	-792.091	-753.465
9284_9285	9284	9285	2512.954	102.258	-54.878	1.416	236.315	-86.333
9285_9285	9285	9285	-2512.78	-102.243	62.585	1.303	-236.315	86.32
9285_9286	9285	9286	2504.547	133.827	-62.585	-1.303	-350.624	-1161.18
9286_9286	9286	9286	-2504.47	-168.177	-11.009	-34.865	350.624	1161.248
9286_9287	9286	9287	2500.47	181.73	11.009	34.865	-306.321	-1849.68
9287_9287	9287	9287	-2498.13	-181.748	-12.521	-35.39	307.297	1619.071
9287_9288	9287	9288	2487.025	216.041	12.521	35.39	-188.37	-3465.5
9288_9288	9288	9288	243.876	797.734	-24.56	57.086	-41.868	22196.64
9288_9289	9288	9289	-226.478	-753.926	24.56	-56.921	305.205	-13975.6
9289_9289	9289	9289	197.964	657.159	19.285	-12.897	-297.129	13976.52
9289_9290	9289	9290	-174.966	-610.41	-19.285	12.826	67.597	-6544.13
9290_9290	9290	9290	156.62	615.725	19.416	8.918	-68.924	6542.29
9290_9291	9290	9291	-131.66	-571.512	-19.416	-8.966	-156.271	235.567
9291_9291	9291	9291	118.433	532.658	-12.78	10.557	156.257	-236.442
9291_9292	9291	9292	-109.934	-517.07	12.78	-10.548	-103.24	2379.007
9292_9292	9292	9292	85.915	519.264	-12.517	4.888	102.767	-2301.59
9292_9293	9292	9293	-68.751	-492.668	12.517	-4.881	-2.48	6280.188
9293_9293	9293	9293	62.315	494.316	-12.412	-4.364	2.547	-6280.37
9293_9294	9293	9294	-48.078	-467.871	12.412	4.364	96.549	10054.91
9294_9294	9294	9294	48.281	429.358	-1.049	38.812	-96.551	-10056.3
9294_9295	9294	9295	-41.208	-416.085	1.049	-38.812	100.756	11717.46
9295_9295	9295	9295	62.612	416.332	-0.774	5.905	-101.788	-11838.1
9295_9296	9295	9296	-48.684	-377.953	0.774	-5.905	109.673	15818.16
9296_9296	9296	9296	48.686	377.964	-0.652	-26.892	-109.673	-15818.1
9296_9297	9296	9297	-39.201	-346.834	0.652	26.892	115.06	18767.92
9297_9297	9297	9297	-60.84	312.631	3.443	34.387	-79.574	-18206.6
9297_9298	9297	9298	65.956	-269.524	-3.443	-34.387	40.009	21530.83
9298_9298	9298	9298	-65.939	269.538	3.606	-25.149	-40.009	-21530.9
9298_9299	9298	9299	67.877	-229.48	-3.606	25.149	1.495	24189.28
9299_9299	9299	9299	-67.974	195.725	0.924	44.48	-1.495	-24192.6
9299_9300	9299	9300	68.995	-155.213	-0.924	-44.48	-8.48	26085.89
9300_9300	9300	9300	-68.995	155.229	1.079	-27.345	8.48	-26085.9
9300_9301	9300	9301	66.609	-107.194	-1.079	27.345	-22.3	27780.96
9301_9301	9301	9301	-66.659	71.363	-0.325	52.731	22.3	-27784.5

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9301_9302	9301	9302	62.827	-26.886	0.325	-52.731	-18.452	28388.41
9302_9302	9302	9302	-62.827	26.901	-0.136	-44.121	18.452	-28388.4
9302_9303	9302	9303	55.727	17.193	0.136	44.121	-16.848	28482.35
9303_9303	9303	9303	-55.739	-52.086	0.566	40.855	16.848	-28486.4
9303_9304	9303	9304	46.609	99.201	-0.566	-40.855	-23.962	27582.94
9304_9304	9304	9304	-46.604	-99.186	0.728	-40.993	23.962	-27583
9304_9305	9304	9305	35.477	140.607	-0.728	40.993	-32.001	26314.68
9305_9305	9305	9305	-35.505	-175.057	0.373	47.012	32.001	-26318
9305_9306	9305	9306	23.092	216.506	-0.373	-47.012	-36.118	24216.36
9306_9306	9306	9306	-23.092	-216.491	0.569	-40.473	36.118	-24216.4
9306_9307	9306	9307	5.467	263.575	-0.569	40.473	-43.258	21290.27
9307_9307	9307	9307	-5.494	-295.251	0.267	18.123	43.258	-21292.9
9307_9308	9307	9308	-13.245	339.854	-0.267	-18.123	-46.432	17608.95
9308_9308	9308	9308	13.246	-343.302	0.391	-21.835	46.432	-17609
9308_9309	9308	9309	-37.239	387.198	-0.391	21.835	-51.013	13451.46
9309_9309	9309	9309	37.006	-419.01	-7.796	6.793	51.013	-13452.8
9309_9310	9309	9310	-64.64	463.81	7.796	-6.793	42.1	8315.001
9310_9310	9310	9310	64.605	-463.795	-7.634	-16.274	-42.1	-8314.97
9310_9311	9310	9311	-94.838	507.507	7.634	16.274	131.068	2801.869
9311_9311	9311	9311	96.087	-535.326	39.511	-15.231	-131.068	-2803.04
9311_9312	9311	9312	-105.957	547.769	-39.511	15.231	0	1054.482
9400_9020	9400	9020	2394.288	-240.389	44.46	1.415	-400.184	-3961.37
9400_9401	9400	9401	-2395.34	244.371	-44.46	-1.415	218.318	2969.909
9401_9401	9401	9401	2394.314	-239.6	18.823	-0.138	-205.116	-2970.03
9401_9402	9401	9402	-2395.22	242.995	-18.823	0.138	139.411	2127.744
9402_9402	9402	9402	2400.44	-184.847	14.147	-1	-140.616	-2127.66
9402_9403	9402	9403	-2403.53	195.396	-14.147	1	-13.841	51.864
9403_9403	9403	9403	2419.006	-123.206	-0.815	-0.706	23.047	-51.838
9403_9404	9403	9404	-2421.26	130.106	0.815	0.706	-17.173	-861.375
9404_9404	9404	9404	2423.632	-73.726	-2.25	-0.59	17.334	861.372
9404_9405	9404	9405	-2426.05	80.575	2.25	0.59	-1.102	-1417.9
9405_9405	9405	9405	2441.651	3.185	-0.782	-0.495	11.41	1417.916
9405_9406	9405	9406	-2446.96	10.319	0.782	0.495	-0.134	-1469.32
9406_9406	9406	9406	2454.768	75.189	-1.369	-0.675	11.272	1469.332
9406_9407	9406	9407	-2458.32	-67.016	1.369	0.675	0.851	-839.853
9407_9407	9407	9407	2456.428	117.429	-3	-0.112	-0.614	839.853
9407_9408	9407	9408	-2458.88	-112.087	3	0.112	17.284	-202.089
9408_9408	9408	9408	2435.329	-408.919	-0.689	-3.442	-20.094	202.105
9408_9409	9408	9409	-2436.03	412.048	0.689	3.442	22.184	-1445.92
9409_9409	9409	9409	2431.87	389.804	-1.426	2.307	-21.935	1447.255
9409_9410	9409	9410	-2431.17	-386.686	1.426	-2.307	26.243	-274.595
9410_9410	9410	9410	2448.424	-131.028	4.98	-1.549	-22.758	274.609
9410_9411	9410	9411	-2445.97	136.369	-4.98	1.549	-4.919	-1017.63
9411_9411	9411	9411	2448.249	-86.407	1.026	-0.03	4.182	1017.637
9411_9412	9411	9412	-2444.7	94.578	-1.026	0.03	-13.264	-1818.6
9412_9412	9412	9412	2434.786	-8.349	0.529	-0.549	2.137	1818.614
9412_9413	9412	9413	-2429.48	21.866	-0.529	0.549	-9.765	-2036.51
9413_9413	9413	9413	2411.71	60.452	2.09	-0.885	-0.041	2036.506
9413_9414	9413	9414	-2409.29	-53.608	-2.09	0.885	-15.024	-1625.35
9414_9414	9414	9414	2407.399	109.579	0.347	-0.039	14.609	1625.355
9414_9415	9414	9415	-2405.14	-102.685	-0.347	0.039	-17.106	-860.673
9415_9415	9415	9415	2384.314	175.006	-7.987	-0.841	7.152	860.686
9415_9416	9415	9416	-2381.22	-164.46	7.987	0.841	80.037	992.186

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9416_9416	9416	9416	2376.438	223.233	-6.836	1.63	-80.165	-992.175
9416_9417	9416	9417	-2375.53	-219.832	6.836	-1.63	104.062	1766.653
9417_9417	9417	9417	2376.555	225.248	-34.341	-1.646	-113.509	-1766.75
9417_9036	9417	9036	-2375.51	-221.261	34.341	1.646	254.135	2680.961
9420_9056	9420	9056	2049.513	-224.977	34.412	1.404	-215.494	-3904.68
9420_9421	9420	9421	-2050.44	228.512	-34.412	-1.404	74.517	2975.759
9421_9421	9421	9421	2049.428	-222.685	6.114	0.599	-64.244	-2975.72
9421_9422	9421	9422	-2050.23	225.691	-6.114	-0.599	42.916	2193.714
9422_9422	9422	9422	2055.058	-176.459	4.536	-0.101	-43.396	-2193.71
9422_9423	9422	9423	-2057.8	185.809	-4.536	0.101	-6.138	215.547
9423_9423	9423	9423	2075.11	-123.703	-0.38	-0.003	16.267	-215.539
9423_9424	9423	9424	-2077.11	129.814	0.38	0.003	-13.527	-697.973
9424_9424	9424	9424	2079.566	-81.438	-2.137	0.28	13.734	697.969
9424_9425	9424	9425	-2081.71	87.503	2.137	-0.28	1.671	-1307.03
9425_9425	9425	9425	2095.002	-16.528	-0.981	0.217	9.89	1307.029
9425_9426	9425	9426	-2099.7	28.497	0.981	-0.217	4.245	-1631.54
9426_9426	9426	9426	2106.147	44.527	0.791	-0.23	7.599	1631.535
9426_9427	9426	9427	-2109.3	-37.282	-0.791	0.23	-14.606	-1269.31
9427_9427	9427	9427	2108.095	80.339	-1.945	1.091	15.342	1269.302
9427_9428	9427	9428	-2110.28	-75.574	1.945	-1.091	-4.528	-835.864
9428_9428	9428	9428	2084.13	-369.172	3.462	-0.28	1.151	835.863
9428_9429	9428	9429	-2084.75	371.952	-3.462	0.28	-11.61	-1955.4
9429_9429	9429	9429	2086.137	376.618	-3.696	0.541	11.552	1957.096
9429_9430	9429	9430	-2085.52	-373.838	3.696	-0.541	-0.387	-823.727
9430_9430	9430	9430	2107.872	-71.088	1.568	-0.332	3.136	823.721
9430_9431	9430	9431	-2105.68	75.854	-1.568	0.332	-11.853	-1232.22
9431_9431	9431	9431	2106.792	-32.982	-0.48	0.617	11.327	1232.225
9431_9432	9431	9432	-2103.64	40.225	0.48	-0.617	-7.075	-1556.32
9432_9432	9432	9432	2092.463	33.258	1.124	0.268	-4.314	1556.308
9432_9433	9432	9433	-2087.76	-21.284	-1.124	-0.268	-11.895	-1163.07
9433_9433	9433	9433	2068.932	91.563	1.561	0.342	0.58	1163.06
9433_9434	9433	9434	-2066.79	-85.5	-1.561	-0.342	-11.833	-525.019
9434_9434	9434	9434	2064.187	134.423	0.424	0.357	11.741	525.021
9434_9435	9434	9435	-2062.19	-128.308	-0.424	-0.357	-14.797	422.405
9435_9435	9435	9435	2049.005	189.313	-12.128	0.597	4.922	-422.428
9435_9436	9435	9436	-2046.27	-179.969	12.128	-0.597	127.448	2437.617
9436_9436	9436	9436	2041.176	230.445	-15.373	-0.252	-126.329	-2437.68
9436_9437	9436	9437	-2040.37	-227.432	15.373	0.252	180.06	3237.825
9437_9437	9437	9437	2041.999	231.329	-29.063	-1.313	-194.6	-3237.81
9437_9072	9437	9072	-2041.07	-227.798	29.063	1.313	313.563	4177.481
9440_9094	9440	9094	2359.165	-210.298	30.082	0.827	-138.871	-2606.27
9440_9441	9440	9441	-2360.09	213.8	-30.082	-0.827	15.601	1737.324
9441_9441	9441	9441	2358.264	-207.113	1.006	0.02	-2.807	-1737.28
9441_9442	9441	9442	-2359.06	210.093	-1.006	-0.02	-0.705	1009.147
9442_9442	9442	9442	2363.459	-152.852	0.181	-0.356	0.6	-1009.15
9442_9443	9442	9443	-2366.17	162.11	-0.181	0.356	-2.579	-710.251
9443_9443	9443	9443	2381.349	-90.13	-1.661	0.05	17.19	710.264
9443_9444	9443	9444	-2383.33	96.178	1.661	-0.05	-5.227	-1381.14
9444_9444	9444	9444	2384.902	-41.818	-1.181	-0.349	5.128	1381.141
9444_9445	9444	9445	-2387.02	47.831	1.181	0.349	3.394	-1704.57
9445_9445	9445	9445	2393.449	34.058	-1.789	-0.046	12.595	1704.575
9445_9446	9445	9446	-2398.11	-22.201	1.789	0.046	13.196	-1299.06
9446_9446	9446	9446	2397.688	105.588	3.085	-0.175	1.927	1299.071

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9446_9447	9446	9447	-2400.81	-98.409	-3.085	0.175	-29.253	-395.511
9447_9447	9447	9447	2398.16	149.627	-3.042	0.182	29.695	395.478
9447_9448	9447	9448	-2400.33	-144.914	3.042	-0.182	-12.809	421.966
9448_9448	9448	9448	2376.979	-363.311	0.656	3.097	11.806	-421.954
9448_9449	9448	9449	-2377.6	366.069	-0.656	-3.097	-13.79	-681.082
9449_9449	9449	9449	2377	363.344	1.892	-3.391	13.856	681.213
9449_9450	9449	9450	-2376.38	-360.586	-1.892	3.391	-19.579	413.58
9450_9450	9450	9450	2395.485	-145.466	-1.441	0.174	21.784	-413.561
9450_9451	9450	9451	-2393.32	150.188	1.441	-0.174	-13.774	-408.315
9451_9451	9451	9451	2395.9	-100.946	-0.688	-0.235	13.829	408.313
9451_9452	9451	9452	-2392.78	108.124	0.688	0.235	-7.731	-1334.28
9452_9452	9452	9452	2389.439	-24.913	1.218	-0.061	-7.641	1334.268
9452_9453	9452	9453	-2384.78	36.767	-1.218	0.061	-9.92	-1778.8
9453_9453	9453	9453	2374.628	43.909	1.687	-0.067	-5.414	1778.796
9453_9454	9453	9454	-2372.51	-37.907	-1.687	0.067	-6.742	-1484.08
9454_9454	9454	9454	2370.943	94.115	1.114	0.137	6.62	1484.076
9454_9455	9454	9455	-2368.96	-88.06	-1.114	-0.137	-14.652	-827.363
9455_9455	9455	9455	2350.173	159.437	0.022	0.32	0.211	827.35
9455_9456	9455	9456	-2347.46	-150.174	-0.022	-0.32	-0.455	863.784
9456_9456	9456	9456	2343.184	206.418	-2.111	-0.496	0.677	-863.784
9456_9457	9456	9457	-2342.39	-203.439	2.111	0.496	6.687	1578.834
9457_9457	9457	9457	2344.362	210.139	-21.758	-0.582	-20.736	-1578.85
9457_9110	9457	9110	-2343.44	-206.639	21.758	0.582	109.861	2432.448
9460_9132	9460	9132	1922.592	-190.822	-37.788	-3.225	239.732	-3050.37
9460_9461	9460	9461	-1923.51	194.321	37.788	3.225	-85.002	2261.841
9461_9461	9461	9461	1921.644	-190.26	-10.296	-0.748	97.987	-2261.83
9461_9462	9461	9462	-1922.44	193.238	10.296	0.748	-62.074	1592.986
9462_9462	9462	9462	1926.53	-147.056	-8.571	-0.778	62.466	-1592.97
9462_9463	9462	9463	-1929.24	156.316	8.571	0.778	31.136	-63.505
9463_9463	9463	9463	1913.418	-98.718	0.178	-0.978	-15.459	63.523
9463_9464	9463	9464	-1915.4	104.771	-0.178	0.978	14.178	-796.792
9464_9464	9464	9464	1917.315	-60.221	0.178	-0.648	-14.197	796.792
9464_9465	9464	9465	-1919.44	66.229	-0.178	0.648	12.916	-1252.72
9465_9465	9465	9465	1897.813	1.001	-1.574	-0.781	1.743	1252.722
9465_9466	9465	9466	-1902.47	10.848	1.574	0.781	20.933	-1323.66
9466_9466	9466	9466	1878.723	58.763	3.666	-0.604	-6.57	1323.696
9466_9467	9466	9467	-1881.84	-51.579	-3.666	0.604	-25.921	-834.698
9467_9467	9467	9467	1880.345	91.115	1.517	-0.215	26.331	834.685
9467_9468	9467	9468	-1882.51	-86.396	-1.517	0.215	-34.764	-341.433
9468_9468	9468	9468	1835.526	-297.755	-6.79	17.304	33.069	341.427
9468_9469	9468	9469	-1836.14	300.512	6.79	-17.304	-12.542	-1245.69
9469_9469	9469	9469	1839.707	298.562	5.743	-17.536	13.703	1258.061
9469_9470	9469	9470	-1839.09	-295.805	-5.743	17.536	-31.063	-359.697
9470_9470	9470	9470	1885.927	-88.897	-3.778	1.023	32.986	359.686
9470_9471	9470	9471	-1883.76	93.617	3.778	-1.023	-11.99	-866.839
9471_9471	9471	9471	1885.288	-54.859	-1.622	-0.202	12.434	866.833
9471_9472	9471	9472	-1882.17	62.034	1.622	0.202	1.925	-1384.33
9472_9472	9472	9472	1905.553	8.84	1.993	0.542	-16.791	1384.294
9472_9473	9472	9473	-1900.9	3.018	-1.993	-0.542	-11.942	-1342.32
9473_9473	9473	9473	1915.56	63.762	0.238	0.534	-2.655	1342.314
9473_9474	9473	9474	-1913.44	-57.754	-0.238	-0.534	0.938	-904.18
9474_9474	9474	9474	1911.58	102.215	0.238	0.556	-0.925	904.18
9474_9475	9474	9475	-1909.6	-96.162	-0.238	-0.556	-0.791	-189.334

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9475_9475	9475	9475	1911.924	154.065	5.856	0.955	-12.838	189.326
9475_9476	9475	9476	-1909.21	-144.805	-5.856	-0.955	-51.111	1442.568
9476_9476	9476	9476	1905.192	190.568	4.146	-1.601	51.474	-1442.56
9476_9477	9476	9477	-1904.4	-187.591	-4.146	1.601	-65.937	2102.084
9477_9477	9477	9477	1905.848	193	-6.306	0.384	55.189	-2102.09
9477_9148	9477	9148	-1904.93	-189.501	6.306	-0.384	-29.369	2885.207
9480_9168	9480	9168	1744.7	-191.243	-9.573	-0.483	54.381	-3411.87
9480_9481	9480	9481	-1745.62	194.742	9.573	0.483	-15.181	2621.621
9481_9481	9481	9481	1744.24	-190.679	-2.539	-0.295	25.289	-2621.62
9481_9482	9481	9482	-1745.04	193.666	2.539	0.295	-16.408	1949.445
9482_9482	9482	9482	1749.329	-150.002	-2.539	-0.705	16.395	-1949.45
9482_9483	9482	9483	-1752.04	159.253	2.539	0.705	11.308	262.333
9483_9483	9483	9483	1727.125	-107.271	0.762	-1.206	1.902	-262.318
9483_9484	9483	9484	-1729.1	113.324	-0.762	1.206	-7.392	-532.591
9484_9484	9484	9484	1731.271	-73.101	-1.586	-0.644	7.621	532.588
9484_9485	9484	9485	-1733.39	79.11	1.586	0.644	3.816	-1081.39
9485_9485	9485	9485	1698.594	-18.702	-2.523	-0.937	9.774	1081.423
9485_9486	9485	9486	-1703.25	30.559	2.523	0.937	26.601	-1436.54
9486_9486	9486	9486	1657.764	33.355	5.118	0.618	-12.264	1436.584
9486_9487	9486	9487	-1660.88	-26.18	-5.118	-0.618	-33.048	-1173.02
9487_9487	9487	9487	1659.982	60.323	8.154	-2.172	32.084	1173.047
9487_9488	9487	9488	-1662.15	-55.603	-8.154	2.172	-77.402	-850.92
9488_9488	9488	9488	1588.489	-275.339	-15.215	33.144	76.434	850.854
9488_9489	9488	9489	-1589.11	278.096	15.215	-33.144	-30.44	-1687.35
9489_9489	9489	9489	1596.281	281.896	11.978	-32.937	69.021	1706.919
9489_9490	9489	9490	-1595.66	-279.139	-11.978	32.937	-105.231	-858.936
9490_9490	9490	9490	1670.897	-53.871	-9.457	1.953	105.501	858.927
9490_9491	9490	9491	-1668.73	58.591	9.457	-1.953	-52.942	-1171.43
9491_9491	9491	9491	1669.601	-23.514	-7.562	-0.482	53.545	1171.4
9491_9492	9491	9492	-1666.48	30.698	7.562	0.482	13.481	-1411.65
9492_9492	9492	9492	1709.754	32.213	2.434	0.942	-27.724	1411.598
9492_9493	9492	9493	-1705.1	-20.364	-2.434	-0.942	-7.344	-1032.82
9493_9493	9493	9493	1738.247	81.343	1.86	0.692	-5.592	1032.822
9493_9494	9493	9494	-1736.13	-75.334	-1.86	-0.692	-7.819	-467.916
9494_9494	9494	9494	1733.907	115.668	-0.511	1.164	7.619	467.918
9494_9495	9494	9495	-1731.93	-109.615	0.511	-1.164	-3.937	343.883
9495_9495	9495	9495	1753.874	162.655	2.706	1.209	-8.622	-343.891
9495_9496	9495	9496	-1751.16	-153.387	-2.706	-1.209	-20.954	2071.061
9496_9496	9496	9496	1747.174	193.611	1.145	-1.18	21.487	-2071.06
9496_9497	9496	9497	-1746.38	-190.642	-1.145	1.18	-25.47	2739.357
9497_9497	9497	9497	1747.256	196.806	6.075	0.538	14.555	-2739.37
9497_9184	9497	9184	-1746.34	-193.307	-6.075	-0.538	-39.431	3538.064
9500_9204	9500	9204	2099.31	-226.89	30.552	1.16	-134.619	-3958.63
9500_9501	9500	9501	-2100.4	231.028	-30.552	-1.16	9.517	3021.106
9501_9501	9501	9501	2100.247	-226.103	4.582	5.013	-0.759	-3021.11
9501_9502	9501	9502	-2101.19	229.625	-4.582	-5.013	-15.224	2226.297
9502_9502	9502	9502	2106.097	-179.143	-1.266	-1.693	13.482	-2226.31
9502_9503	9502	9503	-2109.31	190.095	1.266	1.693	0.344	210.201
9503_9503	9503	9503	2130.154	-126.611	-2.188	0.225	6.797	-210.173
9503_9504	9503	9504	-2132.5	133.769	2.188	-0.225	8.968	-728.099
9504_9504	9504	9504	2135.029	-84.165	0.732	-0.576	-9.317	728.095
9504_9505	9504	9505	-2137.54	91.271	-0.732	0.576	4.039	-1360.64
9505_9505	9505	9505	2152.06	-18.04	-0.529	-0.008	3.955	1360.652

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9505_9506	9505	9506	-2157.57	32.054	0.529	0.008	3.661	-1721.54
9506_9506	9506	9506	2167.768	41.644	1.419	-0.482	5.296	1721.53
9506_9507	9506	9507	-2171.46	-33.148	-1.419	0.482	-17.872	-1390.08
9507_9507	9507	9507	2170.281	78.768	-1.589	1.037	18.729	1390.067
9507_9508	9507	9508	-2172.82	-73.233	1.589	-1.037	-9.896	-967.696
9508_9508	9508	9508	2147.329	-386.189	-0.913	1.102	7.655	967.682
9508_9509	9508	9509	-2148.05	389.422	0.913	-1.102	-4.895	-2140.02
9509_9509	9509	9509	2148.509	391.626	5.568	-0.716	4.809	2139.708
9509_9510	9509	9510	-2147.79	-388.393	-5.568	0.716	-21.641	-960.732
9510_9510	9510	9510	2178.214	-71.549	0.732	-0.929	22.339	960.766
9510_9511	9510	9511	-2175.67	77.084	-0.732	0.929	-26.408	-1373.78
9511_9511	9511	9511	2176.795	-32.312	-3.148	0.962	25.325	1373.803
9511_9512	9511	9512	-2173.11	40.798	3.148	-0.962	2.551	-1697.48
9512_9512	9512	9512	2168.075	34.1	1.354	0.27	-11.368	1697.475
9512_9513	9512	9513	-2162.57	-20.086	-1.354	-0.27	-8.139	-1307.08
9513_9513	9513	9513	2151.676	93.48	1.909	0.713	-1.159	1307.096
9513_9514	9513	9514	-2149.17	-86.373	-1.909	-0.713	-12.609	-658.552
9514_9514	9514	9514	2146.579	136.299	2.145	0.346	12.646	658.551
9514_9515	9514	9515	-2144.24	-129.14	-2.145	-0.346	-28.106	298.062
9515_9515	9515	9515	2128.455	193.179	-7.715	0.47	22.145	-298.087
9515_9516	9515	9516	-2125.25	-182.226	7.715	-0.47	62.117	2348.253
9516_9516	9516	9516	2120.257	233.163	-9.172	0.297	-61.644	-2348.27
9516_9517	9516	9517	-2119.32	-229.641	9.172	-0.297	93.644	3155.584
9517_9517	9517	9517	2118.869	235.828	-49.131	-3.351	-99.117	-3155.7
9517_9220	9517	9220	-2117.78	-231.689	49.131	3.351	300.341	4113.098
9520_9240	9520	9240	1627.427	-266.262	-22.093	11.799	-514.097	-7251.68
9520_9521	9520	9521	-1628.74	271.224	22.093	-11.799	604.41	6153.075
9521_9521	9521	9521	1615.58	-271.612	36.515	-6.42	-599.486	-6153.93
9521_9522	9521	9522	-1616.71	275.845	-36.515	6.42	472.061	5198.701
9522_9522	9522	9522	1622.851	-237.037	36.633	5.285	-471.963	-5198.71
9522_9523	9522	9523	-1626.71	250.2	-36.633	-5.285	71.701	2536.858
9523_9523	9523	9523	1644.635	-202.396	7.044	0.666	-71.374	-2536.43
9523_9524	9523	9524	-1647.45	210.989	-7.044	-0.666	20.641	1047.691
9524_9524	9524	9524	1651.91	-172.693	3.894	-0.93	-21.353	-1047.68
9524_9525	9524	9525	-1654.92	181.225	-3.894	0.93	-6.711	-227.816
9525_9525	9525	9525	1692.474	-127.031	-1.951	-0.971	8.811	227.925
9525_9526	9525	9526	-1699.09	143.883	1.951	0.971	19.32	-2181.48
9526_9526	9526	9526	1727.703	-86.183	-1.816	-4.478	-14.237	2179.524
9526_9527	9526	9527	-1732.13	96.37	1.816	4.478	30.312	-2987.34
9527_9527	9527	9527	1733.707	-61.57	-6.971	5.161	-26.251	2987.372
9527_9528	9527	9528	-1736.74	68.172	6.971	-5.161	65.016	-3348.11
9528_9528	9528	9528	1699.831	-436.076	9.2	-13.861	-72.695	3348.109
9528_9529	9528	9529	-1700.69	439.934	-9.2	13.861	44.855	-4673.58
9529_9529	9529	9529	1697.853	426.319	0.747	11.201	-44.274	4670.262
9529_9530	9529	9530	-1696.99	-422.473	-0.747	-11.201	42.019	-3389.7
9530_9530	9530	9530	1736.321	57.845	7.569	-4.013	-38.803	3387.877
9530_9531	9530	9531	-1733.29	-51.242	-7.569	4.013	-3.293	-3084.52
9531_9531	9531	9531	1731.906	86.365	4.367	1.751	0.678	3084.523
9531_9532	9531	9532	-1727.48	-76.17	-4.367	-1.751	-39.346	-2364.86
9532_9532	9532	9532	1715.438	134.63	-1.855	0.321	33.934	2364.029
9532_9533	9532	9533	-1708.82	-117.794	1.855	-0.321	-7.199	-545.256
9533_9533	9533	9533	1687.765	175.673	3.345	2.743	4.111	545.691
9533_9534	9533	9534	-1684.75	-167.139	-3.345	-2.743	-28.224	690.048

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9534_9534	9534	9534	1680.387	206.476	-2.145	-0.267	29.049	-690.019
9534_9535	9534	9535	-1677.58	-197.876	2.145	0.267	-13.584	2147.315
9535_9535	9535	9535	1628.546	249.084	24.157	4.386	12.998	-2145.91
9535_9536	9535	9536	-1624.69	-235.923	-24.157	-4.386	-276.902	4795.16
9536_9536	9536	9536	1618.61	274.818	21.048	-11.904	279.503	-4795
9536_9537	9536	9537	-1617.48	-270.586	-21.048	11.904	-352.952	5746.601
9537_9537	9537	9537	1625.621	264.785	-32.331	-119.904	355.224	-5764.32
9537_9254	9537	9254	-1624.31	-259.82	32.331	119.904	-222.972	6837.281
9540_9275	9540	9275	2837.206	-275.838	54.443	16.84	-1124.24	-3765.26
9540_9541	9540	9541	-2838.61	281.186	-54.443	-16.84	901.375	2625.143
9541_9541	9541	9541	2836.16	-276.116	59.634	-9.498	-891.602	-2635.92
9541_9542	9541	9542	-2837.38	280.669	-59.634	9.498	683.577	1664.78
9542_9542	9542	9542	2843.43	-212.486	52.833	2.832	-684.801	-1664.3
9542_9543	9542	9543	-2847.58	226.645	-52.833	-2.832	107.788	-733.654
9543_9543	9543	9543	2877.408	-135.651	7.526	-3.328	-103.251	729.8
9543_9544	9543	9544	-2880.43	144.901	-7.526	3.328	49.03	-1740.46
9544_9544	9544	9544	2882.991	-79.3	4.73	-0.507	-48.492	1740.478
9544_9545	9544	9545	-2886.23	88.498	-4.73	0.507	14.343	-2346.15
9545_9545	9545	9545	2917.455	11.477	0.594	-1.791	-8.433	2342.923
9545_9546	9545	9546	-2924.57	6.641	-0.594	1.791	-0.127	-2308.08
9546_9546	9546	9546	2938.343	92.577	9.274	-1.199	5.634	2305.771
9546_9547	9546	9547	-2943.11	-81.608	-9.274	1.199	-87.744	-1534.66
9547_9547	9547	9547	2940.907	140.296	6.201	-1.38	88.422	1534.625
9547_9548	9547	9548	-2944.16	-133.205	-6.201	1.38	-122.93	-773.637
9548_9548	9548	9548	2914.981	-485.709	0.337	9.052	118.459	766.984
9548_9549	9548	9549	-2915.91	489.833	-0.337	-9.052	-119.473	-2237.61
9549_9549	9549	9549	2934.039	515.487	0.953	-8.866	119.774	2249.141
9549_9550	9549	9550	-2933.09	-511.418	-0.953	8.866	-122.614	-718.448
9550_9550	9550	9550	2965.496	-137.412	4.896	-0.644	126.434	711.15
9550_9551	9550	9551	-2962.06	144.563	-4.896	0.644	-154.141	-1509
9551_9551	9551	9551	2964.603	-76.41	-4.593	0.586	151.926	1509.223
9551_9552	9551	9552	-2959.92	86.774	4.593	-0.586	-113.252	-2196.26
9552_9552	9552	9552	2941.944	31.141	0.041	-0.604	108.066	2196.442
9552_9553	9552	9553	-2934.81	-13.502	-0.041	0.604	-108.639	-1882.05
9553_9553	9553	9553	2906.446	121.36	-6.951	1.114	103.669	1881.906
9553_9554	9553	9554	-2903.22	-112.416	6.951	-1.114	-54.741	-1059.12
9554_9554	9554	9554	2899.383	186.823	-6.117	-0.601	54.855	1059.118
9554_9555	9554	9555	-2896.38	-177.797	6.117	0.601	-11.785	224.499
9555_9555	9555	9555	2851.916	279.938	-10.047	0.154	11.408	-223.675
9555_9556	9555	9556	-2847.88	-266.12	10.047	-0.154	95.663	3133.503
9556_9556	9556	9556	2839.561	343.575	-13.11	-0.733	-94.705	-3133.53
9556_9557	9556	9557	-2838.39	-339.106	13.11	0.733	139.556	4301.266
9557_9557	9557	9557	2834.416	356.146	-15.237	-69.093	-141.262	-4323.62
9557_9288	9557	9288	-2832.55	-348.818	15.237	69.093	226.55	6296.651
41000_1000	41000	1000	-0.541	428.201	1.6	-2.803	0	-0.844
41000_1001	41000	1001	0.541	-370.876	-1.6	2.803	-27.21	6795.201
41001_1001	41001	1001	-0.544	370.876	1.599	10.551	27.21	-6795.19
41001_1002	41001	1002	0.544	-334.29	-1.599	-10.551	-44.564	10621.86
41002_1002	41002	1002	-0.637	309.701	-1.6	-2.756	44.564	-10621.1
41002_1003	41002	1003	0.637	-268.599	1.6	2.756	-25.052	14146.61
41003_1003	41003	1003	-0.635	268.599	-1.601	8.776	25.052	-14146.6
41003_1004	41003	1004	0.635	-227.494	1.601	-8.776	-5.533	17171.25
41004_1004	41004	1004	-0.571	207.376	1.024	-6.462	5.533	-17169.9

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41004_1005	41004	1005	0.571	-166.259	-1.024	6.462	-18.021	19448.52
41005_1005	41005	1005	-0.572	166.259	1.023	9.381	18.021	-19448.5
41005_1006	41005	1006	0.572	-125.14	-1.023	-9.381	-30.504	21225.8
41006_1006	41006	1006	-0.588	101.127	0.196	-8.434	30.504	-21224.5
41006_1007	41006	1007	0.588	-60.029	-0.196	8.434	-32.897	22206.92
41007_1007	41007	1007	-0.588	60.029	0.196	9.657	32.897	-22206.9
41007_1008	41007	1008	0.588	-18.927	-0.196	-9.657	-35.285	22688.27
41008_1008	41008	1008	-0.587	-5.696	0.373	-8.298	35.285	-22687.4
41008_1009	41008	1009	0.587	46.777	-0.373	8.298	-39.833	22367.68
41009_1009	41009	1009	-0.587	-46.777	0.373	7.728	39.833	-22367.7
41009_1010	41009	1010	0.587	87.895	-0.373	-7.728	-44.381	21546.34
41010_1010	41010	1010	-0.59	-112.5	0.03	-18.385	44.381	-21545.9
41010_1011	41010	1011	0.59	153.593	-0.03	18.385	-44.747	19924.08
41011_1011	41011	1011	-0.59	-153.593	0.029	16.068	44.747	-19924.1
41011_1012	41011	1012	0.59	194.66	-0.029	-16.068	-45.101	17802.75
41012_1012	41012	1012	-0.591	-220.113	-0.89	4.221	45.101	-17802.7
41012_1013	41012	1013	0.591	261.218	0.89	-4.221	-34.247	14868.06
41013_1013	41013	1013	-0.592	-261.218	-0.89	-7.88	34.247	-14868.1
41013_1014	41013	1014	0.592	302.319	0.89	7.88	-23.399	11432.57
41014_1014	41014	1014	-0.592	-327.44	0.088	-1.113	23.399	-11432.6
41014_1015	41014	1015	0.592	383.848	-0.088	1.113	-24.87	5481.371
41015_1015	41015	1015	3.704	-383.836	0.089	-8.718	24.79	-5481.82
41015_1016	41015	1016	-4.002	410.064	-0.089	8.718	-25.521	2206.997
41016_1016	41016	1016	13.34	-431.828	2.045	-4.59	25.497	-2206.69
41016_1017	41016	1017	-14.572	469.379	-2.045	4.59	-49.527	-3087.28
41017_1017	41017	1017	27.602	-468.799	2.046	-1.598	49.654	3087.063
41017_1018	41017	1018	-30.345	513.83	-2.046	1.598	-76.826	-9607.99
41018_1018	41018	1018	46.305	-530.915	-0.124	-14.649	75.837	9607.811
41018_1019	41018	1019	-50.256	575.209	0.124	14.649	-74.242	-16543.2
41019_1019	41019	1019	66.024	-573.615	-0.123	10.936	77.007	16543.24
41019_1020	41019	1020	-71.5	620.4	0.123	-10.936	-75.397	-24054.8
41020_1020	41020	1020	-2296.18	176.439	-9.509	-4.148	262.419	4534.15
41020_1021	41020	1021	2296.184	-145.433	9.509	4.148	-172.058	-3004.82
41021_1021	41021	1021	-2296.19	145.433	-6.834	0.597	172.058	2966.897
41021_1022	41021	1022	2296.193	-122.252	6.834	-0.597	-119.095	-1929.6
41022_1022	41022	1022	-2296.2	122.252	-3.89	3.071	119.095	1929.6
41022_1023	41022	1023	2296.2	-99.075	3.89	-3.071	-88.953	-1072.07
41023_1023	41023	1023	-2296.18	80.291	-11.018	-0.468	88.953	1072.054
41023_1024	41023	1024	2296.179	-56.364	11.018	0.468	-0.81	-525.453
41024_1024	41024	1024	-2296.18	56.364	-11.018	-0.468	0.81	525.453
41024_1025	41024	1025	2296.179	-32.437	11.018	0.468	87.332	-170.26
41025_1025	41025	1025	-2296.19	28.797	-8.165	-0.256	-87.332	170.261
41025_1026	41025	1026	2296.191	-4.874	8.165	0.256	152.644	-35.601
41026_1026	41026	1026	-2296.19	-12.107	-5.07	-0.909	-152.644	35.6
41026_1027	41026	1027	2296.194	30.042	5.07	0.909	183.047	-161.973
41027_1027	41027	1027	-2296.2	-30.042	-0.849	-0.611	-183.047	161.974
41027_1028	41027	1028	2296.199	48.004	0.849	0.611	188.146	-396.319
41028_1028	41028	1028	-2296.2	-48.004	-1.264	-0.683	-188.146	396.319
41028_1029	41028	1029	2296.199	65.936	1.264	0.683	195.722	-737.875
41029_1029	41029	1029	-2296.2	-65.936	-0.849	-0.55	-195.722	737.875
41029_1030	41029	1030	2296.199	83.898	0.849	0.55	200.821	-1187.77
41030_1030	41030	1030	-2296.19	-100.539	8.057	-1.057	-200.821	1187.779
41030_1031	41030	1031	2296.187	124.453	-8.057	1.057	136.405	-2087.22

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41031_1031	41031	1031	-2296.19	-124.453	8.362	-0.78	-136.405	2087.216
41031_1032	41031	1032	2296.186	148.396	-8.362	0.78	69.469	-3179.33
41032_1032	41032	1032	-2296.19	-148.396	8.057	-1.203	-69.469	3179.329
41032_1033	41032	1033	2296.187	172.31	-8.057	1.203	5.053	-4461.4
41033_1033	41033	1033	-2296.24	-189.252	-3.87	-29.2	-5.053	4461.548
41033_1034	41033	1034	2296.235	212.44	3.87	29.2	35.056	-6018.59
41034_1034	41034	1034	-2296.24	-212.44	-0.924	-21.478	-35.056	6018.625
41034_1035	41034	1035	2296.238	235.624	0.924	21.478	42.218	-7755.19
41035_1035	41035	1035	-2296.14	-235.624	21.09	53.796	-42.218	7794.01
41035_1036	41035	1036	2296.141	266.627	-21.09	-53.796	-158.175	-10180.2
41036_1036	41036	1036	34.442	511.034	0.471	-9.813	-0.039	31293.6
41036_1037	41036	1037	-28.966	-464.257	-0.471	9.813	-5.931	-25159.7
41037_1037	41037	1037	16.196	464.852	0.491	9.98	3.897	25159.68
41037_1038	41037	1038	-12.245	-420.542	-0.491	-9.98	-10.084	-19606.7
41038_1038	41038	1038	-0.318	407.292	-2.441	-2.021	11.032	19607.67
41038_1039	41038	1039	3.061	-362.3	2.441	2.021	21.354	-14505.2
41039_1039	41039	1039	-13.602	362.157	-2.42	14.682	-21.843	14540.56
41039_1040	41039	1040	14.836	-324.518	2.42	-14.682	50.304	-10503.5
41040_1040	41040	1040	-21.455	305.351	2.45	2.501	-49.935	10504.23
41040_1041	41040	1041	21.752	-279.186	-2.45	-2.501	29.719	-8093.02
41041_1041	41041	1041	-24.687	278.829	2.456	3.873	-29.696	8103.62
41041_1042	41041	1042	24.687	-231.637	-2.456	-3.873	-10.36	-3941.15
41042_1042	41042	1042	-24.714	210.475	-0.024	1.765	10.36	3941.261
41042_1043	41042	1043	24.714	-175.806	0.024	-1.765	-10.07	-1627.25
41043_1043	41043	1043	-24.714	175.806	-0.004	3.119	10.07	1627.248
41043_1044	41043	1044	24.714	-141.138	0.004	-3.119	-10.026	271.266
41044_1044	41044	1044	-24.713	116.347	0.055	1.756	10.026	-271.26
41044_1045	41044	1045	24.713	-81.685	-0.055	-1.756	-10.685	1457.326
41045_1045	41045	1045	-24.713	81.685	0.076	0.543	10.685	-1457.33
41045_1046	41045	1046	24.713	-47.024	-0.076	-0.543	-11.59	2228.145
41046_1046	41046	1046	-24.715	24.478	-0.029	0.703	11.59	-2228.2
41046_1047	41046	1047	24.715	10.207	0.029	-0.703	-11.24	2313.722
41047_1047	41047	1047	-24.715	-10.207	-0.01	-1.073	11.24	-2313.72
41047_1048	41047	1048	24.715	44.861	0.01	1.073	-11.117	1983.992
41048_1048	41048	1048	-24.718	-66.791	-0.199	-0.553	11.117	-1984.02
41048_1049	41048	1049	24.718	101.471	0.199	0.553	-8.735	975.741
41049_1049	41049	1049	-24.718	-101.471	-0.159	-2.116	8.735	-975.739
41049_1050	41049	1050	24.718	136.119	0.159	2.116	-6.829	-446.607
41050_1050	41050	1050	-24.734	-156.488	-1.352	-3.821	6.829	446.639
41050_1051	41050	1051	24.734	203.637	1.352	3.821	15.206	-3380.49
41051_1051	41051	1051	-22.272	-204.011	-1.317	1.046	-15.189	3377.145
41051_1052	41051	1052	21.994	228.459	1.317	-1.046	26.04	-5159.24
41052_1052	41052	1052	-16.217	-248.342	1.477	-7.571	-26.268	5159.249
41052_1053	41052	1053	15.064	283.485	-1.477	7.571	8.911	-8284.91
41053_1053	41053	1053	-6.933	-283.918	1.507	5.588	-8.352	8278.571
41053_1054	41053	1054	4.22	328.332	-1.507	-5.588	-11.661	-12341.6
41054_1054	41054	1054	6.527	-343.883	0.96	-6.574	10.789	12341.65
41054_1055	41054	1055	-10.422	387.457	-0.96	6.574	-22.796	-16928.8
41055_1055	41055	1055	21.141	-387.078	0.981	7.105	24.299	16928.84
41055_1056	41055	1056	-26.517	432.942	-0.981	-7.105	-36.594	-22090.4
41056_1056	41056	1056	-1901.35	246.476	-4.333	-1.265	87.389	7256.23
41056_1057	41056	1057	1901.354	-215.812	4.333	1.265	-46.226	-5060.3
41057_1057	41057	1057	-1901.36	215.812	-2.974	2.471	46.226	5028.495

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41057_1058	41057	1058	1901.357	-191.271	2.974	-2.471	-23.191	-3451.83
41058_1058	41058	1058	-1901.36	191.271	-2.974	2.471	23.191	3451.83
41058_1059	41058	1059	1901.357	-166.73	2.974	-2.471	-0.155	-2065.27
41059_1059	41059	1059	-1901.42	148.983	-8.873	0.15	0.155	2065.295
41059_1060	41059	1060	1901.418	-123.618	8.873	-0.15	70.882	-974.039
41060_1060	41060	1060	-1901.43	119.978	-6.651	1.289	-70.882	974.038
41060_1061	41060	1061	1901.427	-94.646	6.651	-1.289	124.061	-116.011
41061_1061	41061	1061	-1901.43	94.646	-4.132	1.442	-124.061	116.009
41061_1062	41061	1062	1901.434	-69.284	4.132	-1.442	157.135	540.122
41062_1062	41062	1062	-1901.4	52.991	-2.13	2.112	-157.135	-540.125
41062_1063	41062	1063	1901.404	-33.977	2.13	-2.112	169.917	801.09
41063_1063	41063	1063	-1901.41	33.977	0.842	0.86	-169.917	-801.092
41063_1064	41063	1064	1901.405	-14.997	-0.842	-0.86	164.87	947.788
41064_1064	41064	1064	-1901.41	14.997	1.033	0.765	-164.87	-947.788
41064_1065	41064	1065	1901.405	4.015	-1.033	-0.765	158.672	980.737
41065_1065	41065	1065	-1901.4	-4.015	4.196	-0.866	-158.672	-980.737
41065_1066	41065	1066	1901.4	23.025	-4.196	0.866	133.494	899.614
41066_1066	41066	1066	-1901.37	-39.621	5.827	1.049	-133.494	-899.635
41066_1067	41066	1067	1901.37	64.979	-5.827	-1.049	86.858	481.035
41067_1067	41067	1067	-1901.36	-64.979	8.198	0.449	-86.858	-481.036
41067_1068	41067	1068	1901.361	90.335	-8.198	-0.449	21.243	-140.469
41068_1068	41068	1068	-1901.36	-90.335	8.062	0.439	-21.243	140.47
41068_1069	41068	1069	1901.362	115.659	-8.062	-0.439	-43.197	-963.749
41069_1069	41069	1069	-1901.41	-132.833	7.791	-0.432	43.197	963.794
41069_1070	41069	1070	1901.411	157.392	-7.791	0.432	-103.592	-2088.7
41070_1070	41070	1070	-1901.41	-157.392	7.791	-0.432	103.592	2088.697
41070_1071	41070	1071	1901.411	181.952	-7.791	0.432	-163.986	-3403.99
41071_1071	41071	1071	-1901.41	-181.952	9.124	2.357	163.986	3434.463
41071_1072	41071	1072	1901.405	212.597	-9.124	-2.357	-250.612	-5307.44
41072_1072	41072	1072	31.757	481.221	-1.441	-2.924	62.234	19835.33
41072_1073	41072	1073	-26.38	-435.36	1.441	2.924	-44.142	-14067.1
41073_1073	41073	1073	14.405	435.868	-1.422	6.473	43.048	14067.07
41073_1074	41073	1074	-10.51	-392.301	1.422	-6.473	-25.237	-8873.85
41074_1074	41074	1074	-1.413	377.259	-1.432	3.442	25.566	8874.149
41074_1075	41074	1075	4.126	-332.861	1.432	-3.442	-6.555	-4163.62
41075_1075	41075	1075	-14.08	332.501	-1.402	11.967	6.434	4165.129
41075_1076	41075	1076	15.215	-297.904	1.402	-11.967	10.047	-458.788
41076_1076	41076	1076	-21.402	275.074	1.852	3.465	-9.814	458.989
41076_1077	41076	1077	21.676	-250.994	-1.852	-3.465	-5.468	1711.037
41077_1077	41077	1077	-24.35	250.646	1.883	1.886	5.511	-1705.86
41077_1078	41077	1078	24.35	-205.236	-1.883	-1.886	-33.436	5085.437
41078_1078	41078	1078	-24.373	185.51	-0.311	5.614	33.436	-5085.53
41078_1079	41078	1079	24.373	-151.049	0.311	-5.614	-29.938	6979.02
41079_1079	41079	1079	-24.373	151.049	-0.288	-0.863	29.938	-6979.02
41079_1080	41079	1080	24.373	-116.558	0.288	0.863	-26.692	8485.858
41080_1080	41080	1080	-24.373	95.938	-0.182	5.484	26.692	-8486.1
41080_1081	41080	1081	24.373	-61.45	0.182	-5.484	-24.641	9372.253
41081_1081	41081	1081	-24.373	61.45	-0.161	-2.831	24.641	-9372.26
41081_1082	41081	1082	24.373	-26.964	0.161	2.831	-22.833	9870.037
41082_1082	41082	1082	-24.374	4.688	-0.209	8.225	22.833	-9870.32
41082_1083	41082	1083	24.374	32.372	0.209	-8.225	-20.298	9702.827
41083_1083	41083	1083	-24.374	-32.372	-0.169	-7.8	20.298	-9702.83
41083_1084	41083	1084	24.374	69.429	0.169	7.8	-18.251	9086.958

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41084_1084	41084	1084	-24.373	-91.333	-0.044	6.052	18.251	-9087.18
41084_1085	41084	1085	24.373	125.815	0.044	-6.052	-17.76	7864.789
41085_1085	41085	1085	-24.373	-125.815	0	-7.91	17.76	-7864.79
41085_1086	41085	1086	24.373	160.294	0	7.91	-17.756	6254.302
41086_1086	41086	1086	-24.381	-180.53	-0.749	1.806	17.756	-6254.41
41086_1087	41086	1087	24.381	215.01	0.749	-1.806	-9.319	4027.945
41087_1087	41087	1087	-24.382	-215.01	-0.706	-5.345	9.319	-4027.94
41087_1088	41087	1088	24.382	249.487	0.706	5.345	-1.37	1413.499
41088_1088	41088	1088	-24.387	-267.561	-0.91	-2.774	1.37	-1413.55
41088_1089	41088	1089	24.387	311.229	0.91	2.774	11.611	-2712.66
41089_1089	41089	1089	-20.804	-311.567	-0.917	-3.216	-11.638	2702.742
41089_1090	41089	1090	20.518	336.784	0.917	3.216	19.205	-5378.85
41090_1090	41090	1090	-12.552	-358.633	0.502	-7.142	-19.373	5378.855
41090_1091	41090	1091	11.365	394.802	-0.502	7.142	13.477	-9805.66
41091_1091	41091	1091	-0.254	-395.087	0.515	0.953	-13.214	9805.912
41091_1092	41091	1092	-2.432	439.167	-0.515	-0.953	6.366	-15339.9
41092_1092	41092	1092	16.003	-453.053	1.037	-17.339	-7.936	15340.07
41092_1093	41092	1093	-19.862	496.351	-1.037	17.339	-5.05	-21297.9
41093_1093	41093	1093	33.602	-495.662	1.075	15.843	8.463	21297.93
41093_1094	41093	1094	-38.933	541.18	-1.075	-15.843	-21.939	-27817
41094_1094	41094	1094	-2254.1	216.088	-2.533	-4.765	5.029	7971.563
41094_1095	41094	1095	2254.096	-185.64	2.533	4.765	19.045	-6062.64
41095_1095	41095	1095	-2254.1	185.64	-1.921	-2.956	-19.045	6062.688
41095_1096	41095	1096	2254.096	-161.393	1.921	2.956	33.942	-4717.44
41096_1096	41096	1096	-2254.09	161.393	3.82	9.06	-33.942	4717.432
41096_1097	41096	1097	2254.094	-137.18	-3.82	-9.06	4.363	-3561.61
41097_1097	41097	1097	-2254.16	120.505	-4.359	-2.307	-4.363	3561.693
41097_1098	41097	1098	2254.158	-95.478	4.359	2.307	39.247	-2697.49
41098_1098	41098	1098	-2254.16	95.478	-1.543	1.062	-39.247	2697.49
41098_1099	41098	1099	2254.162	-70.452	1.543	-1.062	51.596	-2033.58
41099_1099	41099	1099	-2254.16	70.452	-1.543	1.062	-51.596	2033.583
41099_1100	41099	1100	2254.162	-45.425	1.543	-1.062	63.946	-1569.94
41100_1100	41100	1100	-2254.06	30.159	12.245	7.655	-63.946	1569.901
41100_1101	41100	1101	2254.058	-11.39	-12.245	-7.655	-9.539	-1445.22
41101_1101	41101	1101	-2254.06	11.39	12.163	7.603	9.539	1445.225
41101_1102	41101	1102	2254.059	7.348	-12.163	-7.603	-82.413	-1433.11
41102_1102	41102	1102	-2254.05	-7.348	-14.033	-9.052	82.413	1433.106
41102_1103	41102	1103	2254.048	26.122	14.033	9.052	1.83	-1533.57
41103_1103	41103	1103	-2254.07	-26.122	-10.28	-6.499	-1.83	1533.584
41103_1104	41103	1104	2254.068	44.896	10.28	6.499	63.541	-1746.75
41104_1104	41104	1104	-2254.06	-60.143	0.279	-2.056	-63.541	1746.744
41104_1105	41104	1105	2254.057	85.143	-0.279	2.056	61.307	-2327.45
41105_1105	41105	1105	-2254.06	-85.143	3.182	0.941	-61.307	2327.446
41105_1106	41105	1106	2254.055	110.174	-3.182	-0.941	35.837	-3109.07
41106_1106	41106	1106	-2254.06	-110.174	3.182	0.941	-35.837	3109.065
41106_1107	41106	1107	2254.055	135.204	-3.182	-0.941	10.366	-4091.02
41107_1107	41107	1107	-2254.07	-151.452	0.318	-3.043	-10.366	4091.056
41107_1108	41107	1108	2254.074	175.668	-0.318	3.043	7.902	-5357.53
41108_1108	41108	1108	-2254.07	-175.668	0.401	-2.847	-7.902	5357.525
41108_1109	41108	1109	2254.074	199.916	-0.401	2.847	4.795	-6813.5
41109_1109	41109	1109	-2254.07	-199.916	2.695	4.304	-4.795	6813.444
41109_1110	41109	1110	2254.073	230.364	-2.695	-4.304	-20.818	-8858.04
41110_1110	41110	1110	29.935	527.982	-0.868	-17.348	29.066	28880.41

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41110_1111	41110	1111	-24.604	-482.466	0.868	17.348	-18.201	-22528.1
41111_1111	41111	1111	11.001	479.274	-0.817	18.499	14.441	22528.13
41111_1112	41111	1112	-7.142	-435.982	0.817	-18.499	-4.218	-16785.7
41112_1112	41112	1112	-5.754	424.007	-0.795	-1.564	5.937	16786.06
41112_1113	41112	1113	8.44	-379.903	0.795	1.564	4.623	-11450.6
41113_1113	41113	1113	-19.587	379.344	-0.755	14.22	-5.094	11437.88
41113_1114	41113	1114	20.771	-343.278	0.755	-14.22	13.97	-7193.43
41114_1114	41114	1114	-27.894	325.179	1.306	-2.8	-13.608	7193.642
41114_1115	41114	1115	28.18	-300.036	-1.306	2.8	2.828	-4613.92
41115_1115	41115	1115	-31.366	299.627	1.375	7.372	-2.835	4629.345
41115_1116	41115	1116	31.366	-256.695	-1.375	-7.372	-17.475	-520.112
41116_1116	41116	1116	-31.366	237.514	-0.373	3.734	17.475	520.108
41116_1117	41116	1117	31.366	-204.814	0.373	-3.734	-13.282	1968.418
41117_1117	41117	1117	-31.367	204.814	-0.345	1.985	13.282	-1968.42
41117_1118	41117	1118	31.367	-172.115	0.345	-1.985	-9.403	4088.981
41118_1118	41118	1118	-31.367	152.621	-0.096	6.942	9.403	-4088.99
41118_1119	41118	1119	31.367	-119.894	0.096	-6.942	-8.319	5623.462
41119_1119	41119	1119	-31.367	119.894	-0.041	-2.969	8.319	-5623.47
41119_1120	41119	1120	31.367	-87.196	0.041	2.969	-7.858	6788.478
41120_1120	41120	1120	-31.367	65.707	-0.116	3.908	7.858	-6788.49
41120_1121	41120	1121	31.367	-30.539	0.116	-3.908	-6.45	7370.836
41121_1121	41121	1121	-31.367	30.539	-0.091	-2.101	6.45	-7370.84
41121_1122	41121	1122	31.367	4.599	0.091	2.101	-5.351	7527.662
41122_1122	41122	1122	-31.367	-25.899	-0.065	2.696	5.351	-7527.66
41122_1123	41122	1123	31.367	58.624	0.065	-2.696	-4.62	7051.768
41123_1123	41123	1123	-31.367	-58.624	-0.037	-3.499	4.62	-7051.77
41123_1124	41123	1124	31.367	91.319	0.037	3.499	-4.199	6208.29
41124_1124	41124	1124	-31.368	-114.303	-0.333	2.624	4.199	-6208.29
41124_1125	41124	1125	31.368	147.028	0.333	-2.624	-0.445	4736.923
41125_1125	41125	1125	-31.368	-147.028	-0.278	-5.756	0.445	-4736.92
41125_1126	41125	1126	31.368	179.723	0.278	5.756	2.681	2898.888
41126_1126	41126	1126	-31.37	-196.499	-2.161	-3.123	-2.681	-2898.89
41126_1127	41126	1127	31.37	237.041	2.161	3.123	32.826	-125.131
41127_1127	41127	1127	-28.574	-237.456	-2.126	-2.11	-32.845	115.454
41127_1128	41127	1128	28.307	260.911	2.126	2.11	50.386	-2171.34
41128_1128	41128	1128	-22.046	-277.055	2.129	-9.724	-50.654	2171.299
41128_1129	41128	1129	20.94	310.748	-2.129	9.724	25.623	-5626.18
41129_1129	41129	1129	-12.125	-311.344	2.195	6.808	-24.945	5628.571
41129_1130	41129	1130	9.502	354.39	-2.195	-6.808	-4.204	-10045.8
41130_1130	41130	1130	3.194	-386.823	-3.994	-8.843	3.055	10045.77
41130_1131	41130	1131	-6.965	429.115	3.994	8.843	47.136	-15163.7
41131_1131	41131	1131	18.776	-428.807	-3.969	4.525	-45.936	15163.69
41131_1132	41131	1132	-23.992	473.392	3.969	-4.525	96.025	-20842.8
41132_1132	41132	1132	-1889.44	206.076	28.058	18.37	-295.37	5797.278
41132_1133	41132	1133	1889.444	-176.39	-28.058	-18.37	28.815	-3980.56
41133_1133	41133	1133	-1889.48	176.39	25.62	14.604	-28.815	3996.941
41133_1134	41133	1134	1889.479	-153.884	-25.62	-14.604	-169.744	-2717.13
41134_1134	41134	1134	-1889.65	153.884	-3.635	-27.464	169.744	2717.032
41134_1135	41134	1135	1889.649	-131.374	3.635	27.464	-141.569	-1611.5
41135_1135	41135	1135	-1889.75	110.937	-3.744	0.748	141.569	1612.074
41135_1136	41135	1136	1889.747	-87.7	3.744	-0.748	-111.612	-817.366
41136_1136	41136	1136	-1889.74	87.7	-6.105	-0.273	111.612	817.366
41136_1137	41136	1137	1889.741	-64.463	6.105	0.273	-62.76	-208.576

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41137_1137	41137	1137	-1889.75	64.463	-3.744	-0.013	62.76	208.576
41137_1138	41137	1138	1889.747	-41.226	3.744	0.013	-32.802	214.263
41138_1138	41138	1138	-1889.83	25.503	-2.907	0.297	32.802	-214.264
41138_1139	41138	1139	1889.826	-8.104	2.907	-0.297	-15.386	314.942
41139_1139	41139	1139	-1889.83	8.104	0.31	-0.239	15.386	-314.942
41139_1140	41139	1140	1889.828	9.324	-0.31	0.239	-17.244	311.283
41140_1140	41140	1140	-1889.83	-9.324	0.31	-0.239	17.244	-311.283
41140_1141	41140	1141	1889.828	26.751	-0.31	0.239	-19.103	203.038
41141_1141	41141	1141	-1889.83	-26.751	-2.839	0.099	19.103	-203.038
41141_1142	41141	1142	1889.826	44.179	2.839	-0.099	-2.068	-9.804
41142_1142	41142	1142	-1889.83	-63.744	0.246	0.166	2.068	9.804
41142_1143	41142	1143	1889.827	86.981	-0.246	-0.166	-4.039	-612.823
41143_1143	41143	1143	-1889.83	-86.981	0.246	0.166	4.039	612.823
41143_1144	41143	1144	1889.827	110.217	-0.246	-0.166	-6.011	-1401.77
41144_1144	41144	1144	-1889.83	-110.217	-2.115	-1.585	6.011	1401.772
41144_1145	41144	1145	1889.826	133.455	2.115	1.585	10.912	-2376.68
41145_1145	41145	1145	-1889.81	-149.57	-1.718	-1.915	-10.912	2376.646
41145_1146	41145	1146	1889.812	172.052	1.718	1.915	24.215	-3621.59
41146_1146	41146	1146	-1889.81	-172.052	-1.668	-1.818	-24.215	3621.587
41146_1147	41146	1147	1889.812	194.563	1.668	1.818	37.146	-5042.52
41147_1147	41147	1147	-1889.81	-194.563	-0.449	2.186	-37.146	5027.249
41147_1148	41147	1148	1889.813	224.255	0.449	-2.186	41.415	-7017.03
41148_1148	41148	1148	-10.567	441.261	-1.782	-6.029	8.997	22203.24
41148_1149	41148	1149	15.783	-396.702	1.782	6.029	13.395	-16932.1
41149_1149	41149	1149	-26.685	396.075	-1.734	7.542	-14.767	16932.06
41149_1150	41149	1150	30.456	-353.808	1.734	-7.542	36.485	-12231.7
41150_1150	41150	1150	-41.265	338.931	0.883	0.713	-35.792	12231.79
41150_1151	41150	1151	43.888	-295.875	-0.883	-0.713	24.069	-8019.16
41151_1151	41151	1151	-52.837	294.382	0.927	6.309	-24.172	8005.964
41151_1152	41151	1152	53.955	-260.283	-0.927	-6.309	13.273	-4745.55
41152_1152	41152	1152	-59.288	240.918	0.388	2.084	-13.14	4745.481
41152_1153	41152	1153	59.558	-217.178	-0.388	-2.084	9.938	-2855.39
41153_1153	41153	1153	-61.804	216.438	0.402	2.79	-9.919	2857.175
41153_1154	41153	1154	61.804	-177.901	-0.402	-2.79	4.394	-147.504
41154_1154	41154	1154	-61.804	159.711	0.33	2.512	-4.394	147.502
41154_1155	41154	1155	61.804	-128.859	-0.33	-2.512	0.768	1439.98
41155_1155	41155	1155	-61.803	128.859	0.386	1.203	-0.768	-1439.98
41155_1156	41155	1156	61.803	-98.008	-0.386	-1.203	-3.476	2688.001
41156_1156	41156	1156	-61.8	80.204	0.123	2.541	3.476	-2688.02
41156_1157	41156	1157	61.8	-52.101	-0.123	-2.541	-4.709	3351.017
41157_1157	41157	1157	-61.799	52.101	0.183	-0.736	4.709	-3351.02
41157_1158	41157	1158	61.799	-24.027	-0.183	0.736	-6.544	3732.113
41158_1158	41158	1158	-61.797	6.879	-0.022	1.653	6.544	-3732.14
41158_1159	41158	1159	61.797	21.224	0.022	-1.653	-6.324	3660.253
41159_1159	41159	1159	-61.797	-21.224	0.038	-1.926	6.324	-3660.25
41159_1160	41159	1160	61.797	49.298	-0.038	1.926	-6.709	3307.218
41160_1160	41160	1160	-61.792	-66.652	-0.265	-1.221	6.709	-3307.27
41160_1161	41160	1161	61.792	97.504	0.265	1.221	-3.79	2404.215
41161_1161	41161	1161	-61.792	-101.144	-0.265	-1.221	3.79	-2404.22
41161_1162	41161	1162	61.792	131.995	0.265	1.221	-0.872	1121.672
41162_1162	41162	1162	-61.781	-148.088	-0.75	-2.108	0.872	-1121.68
41162_1163	41162	1163	61.781	186.624	0.75	2.108	9.43	-1178.27
41163_1163	41163	1163	-59.554	-187.364	-0.764	-2.403	-9.449	1177.005

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41163_1164	41163	1164	59.284	211.104	0.764	2.403	15.751	-2821.09
41164_1164	41164	1164	-54.051	-228.458	-0.627	-4.092	-15.828	2821.045
41164_1165	41164	1165	52.933	262.556	0.627	4.092	23.193	-5707.54
41165_1165	41165	1165	-45.453	-264.035	-0.624	-0.939	-23.163	5711.646
41165_1166	41165	1166	42.846	306.839	0.624	0.939	31.426	-9500.03
41166_1166	41166	1166	-32.797	-323.426	2.217	-7.304	-32.038	9499.967
41166_1167	41166	1167	29.047	365.457	-2.217	7.304	4.27	-13818.3
41167_1167	41167	1167	-18.942	-366.147	2.268	3.997	-3.149	13818.35
41167_1168	41167	1168	13.754	410.468	-2.268	-3.997	-25.332	-18704
41168_1168	41168	1168	-1682.78	220.737	-3.508	-0.999	71.207	6157.213
41168_1169	41168	1169	1682.779	-191.224	3.508	0.999	-37.87	-4199.96
41169_1169	41169	1169	-1682.78	191.224	-2.823	1.699	37.87	4219.763
41169_1170	41169	1170	1682.781	-168.63	2.823	-1.699	-15.987	-2825.03
41170_1170	41170	1170	-1682.78	168.63	-2.823	1.699	15.987	2825.03
41170_1171	41170	1171	1682.781	-146.036	2.823	-1.699	5.896	-1605.44
41171_1171	41171	1171	-1682.83	128.668	0.576	1.004	-5.896	1605.405
41171_1172	41171	1172	1682.828	-105.345	-0.576	-1.004	1.285	-669.165
41172_1172	41172	1172	-1682.83	105.345	-1.571	0.15	-1.285	669.166
41172_1173	41172	1173	1682.828	-82.051	1.571	-0.15	13.84	79.65
41173_1173	41173	1173	-1682.83	82.051	0.576	0.048	-13.84	-79.65
41173_1174	41173	1174	1682.828	-58.728	-0.576	-0.048	9.229	642.877
41174_1174	41174	1174	-1682.83	41.938	0.833	-0.168	-9.229	-642.881
41174_1175	41174	1175	1682.833	-24.446	-0.833	0.168	4.229	842.073
41175_1175	41175	1175	-1682.83	24.446	-1.97	1.235	-4.229	-842.072
41175_1176	41175	1176	1682.832	-6.953	1.97	-1.235	16.054	936.291
41176_1176	41176	1176	-1682.83	6.953	0.833	-0.325	-16.054	-936.292
41176_1177	41176	1177	1682.833	10.539	-0.833	0.325	11.055	925.531
41177_1177	41177	1177	-1682.83	-10.539	0.833	-0.325	-11.055	-925.531
41177_1178	41177	1178	1682.833	28.031	-0.833	0.325	6.055	809.796
41178_1178	41178	1178	-1682.84	-44.778	-0.891	0.056	-6.055	-809.81
41178_1179	41178	1179	1682.842	68.073	0.891	-0.056	13.175	358.869
41179_1179	41179	1179	-1682.84	-68.073	1.257	-0.402	-13.175	-358.869
41179_1180	41179	1180	1682.842	91.396	-1.257	0.402	3.12	-279.131
41180_1180	41180	1180	-1682.84	-91.396	1.257	-0.402	-3.12	279.131
41180_1181	41180	1181	1682.842	114.718	-1.257	0.402	-6.934	-1103.75
41181_1181	41181	1181	-1682.88	-131.876	2.213	-0.865	6.934	1103.756
41181_1182	41181	1182	1682.882	154.47	-2.213	0.865	-24.092	-2213.58
41182_1182	41182	1182	-1682.88	-158.11	2.213	-0.865	24.092	2213.583
41182_1183	41182	1183	1682.882	180.705	-2.213	0.865	-41.25	-3526.77
41183_1183	41183	1183	-1682.88	-180.705	1.528	-1.377	41.25	3509.193
41183_1184	41183	1184	1682.883	210.218	-1.528	1.377	-55.769	-5366.49
41184_1184	41184	1184	-16.028	417.122	-2.172	6.504	16.073	17792.73
41184_1185	41184	1185	21.216	-372.836	2.172	-6.504	11.185	-12827.6
41185_1185	41185	1185	-31.522	372.061	-2.222	-3.207	-10.081	12827.64
41185_1186	41185	1186	35.272	-329.996	2.222	3.207	37.935	-8423.56
41186_1186	41186	1186	-45.461	313.974	0.725	1.067	-38.257	8423.557
41186_1187	41186	1187	48.068	-271.17	-0.725	-1.067	28.643	-4540.66
41187_1187	41187	1187	-56.354	269.621	0.722	2.433	-28.617	4540.64
41187_1188	41187	1188	57.493	-234.904	-0.722	-2.433	20.131	-1575.02
41188_1188	41188	1188	-62.305	214.184	0.793	1.955	-20.083	1575.008
41188_1189	41188	1189	62.58	-190.039	-0.793	-1.955	13.55	90.782
41189_1189	41189	1189	-64.525	189.239	0.763	1.971	-13.541	-99.915
41189_1190	41189	1190	64.525	-148.549	-0.763	-1.971	3.048	2422.724

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41190_1190	41190	1190	-64.517	130.007	0.471	-0.345	-3.048	-2422.72
41190_1191	41190	1191	64.517	-97.455	-0.471	0.345	-2.137	3674.009
41191_1191	41191	1191	-64.518	97.455	0.413	2.993	2.137	-3674.01
41191_1192	41191	1192	64.518	-64.903	-0.413	-2.993	-6.677	4567.174
41192_1192	41192	1192	-64.509	45.859	-0.025	2.525	6.677	-4567.17
41192_1193	41192	1193	64.509	-15.941	0.025	-2.525	-6.419	4879.634
41193_1193	41193	1193	-64.509	15.941	0.038	-2.3	6.419	-4879.63
41193_1194	41193	1194	64.509	13.977	-0.038	2.3	-6.807	4889.562
41194_1194	41194	1194	-64.49	-32.36	-0.837	-1.184	6.807	-4889.65
41194_1195	41194	1195	64.49	62.278	0.837	1.184	1.655	4411.152
41195_1195	41195	1195	-64.49	-62.278	-0.837	-1.184	-1.655	-4411.15
41195_1196	41195	1196	64.49	92.196	0.837	1.184	10.116	3630.116
41196_1196	41196	1196	-64.512	-111.486	0.025	-3.304	-10.116	-3630.1
41196_1197	41196	1197	64.512	144.038	-0.025	3.304	9.84	2224.435
41197_1197	41197	1197	-64.512	-144.038	-0.035	-1.241	-9.84	-2224.44
41197_1198	41197	1198	64.512	176.56	0.035	1.241	10.223	462.367
41198_1198	41198	1198	-64.475	-198.374	-1.367	-3.151	-10.223	-462.41
41198_1199	41198	1199	64.475	239.063	1.367	3.151	29.016	-2545.59
41199_1199	41199	1199	-61.606	-239.877	-1.382	-3.864	-29.048	2565.44
41199_1200	41199	1200	61.317	264.892	1.382	3.864	40.453	-4648.14
41200_1200	41200	1200	-54.814	-285.389	1.479	-6.106	-40.566	4648.045
41200_1201	41200	1201	53.614	321.304	-1.479	6.106	23.173	-8214.72
41201_1201	41201	1201	-44.404	-322.786	1.481	-0.283	-23.059	8207.341
41201_1202	41201	1202	41.555	368.881	-1.481	0.283	3.385	-12794.4
41202_1202	41202	1202	-29.274	-389.428	0.207	-0.991	-3.389	12794.51
41202_1203	41202	1203	25.197	434.632	-0.207	0.991	0.839	-17965.1
41203_1203	41203	1203	-13.138	-435.211	0.207	-1.028	-0.863	17965.12
41203_1204	41203	1204	7.529	482.672	-0.207	1.028	-1.673	-23740.6
41204_1204	41204	1204	-2070.72	234.176	3.335	3.364	-30.223	7571.577
41204_1205	41204	1205	2070.722	-202.278	-3.335	-3.364	-1.464	-5498.01
41205_1205	41205	1205	-2070.72	202.278	1.944	-0.171	1.464	5251.632
41205_1206	41205	1206	2070.724	-177.769	-1.944	0.171	-16.515	-3780.54
41206_1206	41206	1206	-2070.72	177.769	1.999	-0.07	16.515	3780.538
41206_1207	41206	1207	2070.724	-153.228	-1.999	0.07	-32.014	-2497.65
41207_1207	41207	1207	-2070.52	133.266	-6.795	-0.259	32.014	2497.687
41207_1208	41207	1208	2070.518	-107.933	6.795	0.259	22.355	-1532.67
41208_1208	41208	1208	-2070.53	107.933	-4.208	1.656	-22.355	1532.673
41208_1209	41208	1209	2070.525	-82.601	4.208	-1.656	56.023	-770.382
41209_1209	41209	1209	-2070.53	82.601	-4.208	1.656	-56.023	770.382
41209_1210	41209	1210	2070.525	-57.27	4.208	-1.656	89.69	-210.786
41210_1210	41210	1210	-2070.66	39.47	-2.55	0.729	-89.69	210.772
41210_1211	41210	1211	2070.657	-20.471	2.55	-0.729	104.993	-30.908
41211_1211	41211	1211	-2070.66	20.471	0.9	0.78	-104.993	30.906
41211_1212	41211	1212	2070.659	-1.472	-0.9	-0.78	99.594	34.934
41212_1212	41212	1212	-2070.66	1.472	0.831	0.781	-99.594	-34.934
41212_1213	41212	1213	2070.659	17.495	-0.831	-0.781	94.618	-13.066
41213_1213	41213	1213	-2070.66	-17.495	-2.55	0.76	-94.618	13.067
41213_1214	41213	1214	2070.657	36.495	2.55	-0.76	109.921	-175.077
41214_1214	41214	1214	-2070.8	-54.542	6.303	0.486	-109.921	175.061
41214_1215	41214	1215	2070.795	79.874	-6.303	-0.486	59.485	-712.834
41215_1215	41215	1215	-2070.8	-79.874	3.716	-0.404	-59.485	712.834
41215_1216	41215	1216	2070.801	105.207	-3.716	0.404	29.752	-1453.33
41216_1216	41216	1216	-2070.8	-105.207	6.303	1.412	-29.752	1453.324

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41216_1217	41216	1217	2070.795	130.538	-6.303	-1.412	-20.684	-2396.49
41217_1217	41217	1217	-2070.71	-149.487	1.506	-1.428	20.684	2396.459
41217_1218	41217	1218	2070.706	174.028	-1.506	1.428	-32.358	-3650.35
41218_1218	41218	1218	-2070.71	-174.028	1.451	-1.525	32.358	3650.346
41218_1219	41218	1219	2070.706	198.537	-1.451	1.525	-43.589	-5092.48
41219_1219	41219	1219	-2070.71	-198.537	2.841	2.768	43.589	5340.341
41219_1220	41219	1220	2070.705	230.435	-2.841	-2.768	-70.588	-7378.36
41220_1220	41220	1220	11.368	493.222	0.896	-41.706	29.164	23686.59
41220_1221	41220	1221	-5.76	-445.764	-0.896	41.706	-40.49	-17779.4
41221_1221	41221	1221	-6.529	445.685	1.117	42.141	31.459	17779.44
41221_1222	41221	1222	10.607	-400.488	-1.117	-42.141	-45.518	-12471.3
41222_1222	41222	1222	-22.606	387.058	-1.116	-2.936	49.416	12469.85
41222_1223	41222	1223	25.455	-340.935	1.116	2.936	-34.57	-7639.24
41223_1223	41223	1223	-35.849	339.985	-0.938	31.011	33.622	7648.627
41223_1224	41223	1224	37.069	-303.468	0.938	-31.011	-22.596	-3866.9
41224_1224	41224	1224	-43.393	282.17	0.594	-0.932	23.265	3866.395
41224_1225	41224	1225	43.688	-256.732	-0.594	0.932	-28.167	-1643.35
41225_1225	41225	1225	-46.366	256.104	0.763	4.748	28.199	1632.357
41225_1226	41225	1226	46.366	-203.913	-0.763	-4.748	-40.722	2142.086
41226_1226	41226	1226	-46.337	180.582	-0.356	12.748	40.722	-2141.77
41226_1227	41226	1227	46.337	-141.334	0.356	-12.748	-36.334	4128.018
41227_1227	41227	1227	-46.338	141.334	-0.13	-7.355	36.334	-4128.03
41227_1228	41227	1228	46.338	-102.117	0.13	7.355	-34.732	5628.982
41228_1228	41228	1228	-46.303	77.391	-1.079	11.471	34.732	-5627.74
41228_1229	41228	1229	46.303	-35.981	1.079	-11.471	-21.417	6327.296
41229_1229	41229	1229	-46.306	35.981	-0.928	-9.118	21.417	-6327.3
41229_1230	41229	1230	46.306	5.397	0.928	9.118	-9.971	6515.871
41230_1230	41230	1230	-46.407	-30.244	1.51	8.6	9.971	-6513.59
41230_1231	41230	1231	46.407	71.626	-1.51	-8.6	-28.599	5885.424
41231_1231	41231	1231	-46.402	-71.626	1.662	-10.599	28.599	-5885.42
41231_1232	41231	1232	46.402	112.977	-1.662	10.599	-49.079	4747.93
41232_1232	41232	1232	-46.461	-139.359	3.345	4.434	49.079	-4746.66
41232_1233	41232	1233	46.461	172.523	-3.345	-4.434	-82.144	3205.383
41233_1233	41233	1233	-46.45	-172.523	3.493	-5.772	82.144	-3205.38
41233_1234	41233	1234	46.45	211.028	-3.493	5.772	-122.23	1004.689
41234_1234	41234	1234	-45.202	-211.334	3.703	-10.867	122.172	-1005.36
41234_1235	41234	1235	45.143	222.053	-3.703	10.867	-133.806	324.515
41235_1235	41235	1235	-38.889	-241.422	-2.838	-5.077	133.792	-344.512
41235_1236	41235	1236	38.179	266.149	2.838	5.077	-113.515	-1469.39
41236_1236	41236	1236	-39.003	-266.014	-2.743	-1.733	113.597	1469.394
41236_1237	41236	1237	38.131	299.872	2.743	1.733	-86.942	-4219.49
41237_1237	41237	1237	-30.414	-300.816	-2.616	5.966	87.397	4211.038
41237_1238	41237	1238	29.429	320.055	2.616	-5.966	-74.901	-5694.99
41238_1238	41238	1238	-23.083	-338.804	2.061	-15.022	73.661	5692.885
41238_1239	41238	1239	20.1	382.745	-2.061	15.022	-95.842	-9568.54
41239_1239	41239	1239	-10.951	-383.175	2.195	9.998	97.996	9568.517
41239_1240	41239	1240	6.722	429.277	-2.195	-9.998	-122.13	-14022.8
41240_1240	41240	1240	8.835	-452.272	-22.849	-29.734	118.223	14015.84
41240_1241	41240	1241	-14.908	504.219	22.849	29.734	154.203	-19712.5
41241_1241	41241	1241	-1986.23	283.61	-5.002	22.971	252.612	6283.95
41241_1242	41241	1242	1986.227	-246.114	5.002	-22.971	-205.074	-3766.92
41242_1242	41242	1242	-1986.23	246.114	-2.803	26.948	205.074	3766.278
41242_1243	41242	1243	1986.231	-233.789	2.803	-26.948	-196.203	-3006.94

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41243_1243	41243	1243	-1983.81	214.755	-32.127	-2.934	196.203	3004.296
41243_1244	41243	1244	1983.807	-178.868	32.127	2.934	99.822	-1190.85
41244_1244	41244	1244	-1983.9	178.868	-25.65	0.954	-99.822	1190.854
41244_1245	41244	1245	1983.901	-138.332	25.65	-0.954	366.786	459.84
41245_1245	41245	1245	-1984.3	123.212	-14.83	3.09	-366.786	-459.605
41245_1246	41245	1246	1984.304	-85.245	14.83	-3.09	511.352	1475.677
41246_1246	41246	1246	-1984.34	85.245	-8.419	-1.678	-511.352	-1475.68
41246_1247	41246	1247	1984.342	-46.762	8.419	1.678	594.533	2127.842
41247_1247	41247	1247	-1984.46	28.446	0.173	3.701	-594.533	-2127.05
41247_1248	41247	1248	1984.458	6.923	-0.173	-3.701	592.96	2224.776
41248_1248	41248	1248	-1984.45	-6.923	4.077	-0.675	-592.96	-2224.78
41248_1249	41248	1249	1984.454	47.957	-4.077	0.675	550.009	1935.671
41249_1249	41249	1249	-1983.32	-67.768	-9.777	3.534	-550.009	-1935.08
41249_1250	41249	1250	1983.315	108.032	9.777	-3.534	651.087	1026.374
41250_1250	41250	1250	-1983.34	-108.032	-1.812	-0.587	-651.087	-1026.38
41250_1251	41250	1251	1983.339	144.206	1.812	0.587	667.921	-145.004
41251_1251	41251	1251	-1986.16	-171.012	62.415	-3.351	-667.921	144.857
41251_1252	41251	1252	1986.161	210.475	-62.415	3.351	35.511	-2077.55
41252_1252	41252	1252	-1985.96	-214.115	68.453	2.966	-35.511	2077.548
41252_1253	41252	1253	1985.963	257.769	-68.453	-2.966	-731.755	-4722.14
41253_1253	41253	1253	-1986.01	-257.769	67.035	-0.413	731.755	4722.335
41253_1254	41253	1254	1986.011	270.24	-67.035	0.413	-943.632	-5556.78
41254_1254	41254	1254	-1981.27	-295.824	-31.48	-53.708	943.632	5553.487
41254_1255	41254	1255	1981.265	320.815	31.48	53.708	-744.238	-7506.36
41255_1255	41255	1255	9.166	464.98	-45.817	9.214	670.792	21094.41
41255_1256	41255	1256	-4.855	-429.354	45.817	-9.214	-298.581	-17463.7
41256_1256	41256	1256	-2.354	429.358	-45.725	38.77	294.981	17463.68
41256_1257	41256	1257	5.589	-398.291	45.725	-38.77	37.499	-14455.9
41257_1257	41257	1257	-16.417	379.057	0.821	-16.942	-31.852	14452.57
41257_1258	41257	1258	20.086	-335.795	-0.821	16.942	23.162	-10742.4
41258_1258	41258	1258	-28.458	335.102	0.963	14.855	-25.604	10742.43
41258_1259	41258	1259	31.519	-283.79	-0.963	-14.855	13.324	-6831.77
41259_1259	41259	1259	-39.454	270.88	4.067	-6.166	-12.491	6940.538
41259_1260	41259	1260	40.722	-233.405	-4.067	6.166	-30.417	-4280.55
41260_1260	41260	1260	-45.781	232.023	4.176	2.761	30.321	4280.552
41260_1261	41260	1261	46.19	-198.665	-4.176	-2.761	-69.79	-2245.25
41261_1261	41261	1261	-48.66	197.816	4.2	3.857	69.79	2268.762
41261_1262	41261	1262	48.66	-186.797	-4.2	-3.857	-83.094	-1659.68
41262_1262	41262	1262	-48.497	157.32	-3.17	1.954	83.094	1659.496
41262_1263	41262	1263	48.497	-118.651	3.17	-1.954	-47.863	-125.792
41263_1263	41263	1263	-48.508	118.651	-3	2.394	47.863	125.785
41263_1264	41263	1264	48.508	-77.132	3	-2.394	-12.062	1042.485
41264_1264	41264	1264	-48.555	53.151	0.091	2.388	12.062	-1042.44
41264_1265	41264	1265	48.555	-12.876	-0.091	-2.388	-13.12	1424.631
41265_1265	41265	1265	-48.554	12.876	0.266	-2.736	13.12	-1424.63
41265_1266	41265	1266	48.554	27.065	-0.266	2.736	-16.175	1343.179
41266_1266	41266	1266	-48.548	-51.773	-0.646	-1.528	16.175	-1343.13
41266_1267	41266	1267	48.548	92.4	0.646	1.528	-8.634	501.307
41267_1267	41267	1267	-48.549	-92.4	-0.526	-2.764	8.634	-501.302
41267_1268	41267	1268	48.549	131.953	0.526	2.764	-2.653	-774.035
41268_1268	41268	1268	-48.555	-156.21	-1.955	-8.653	2.653	774.064
41268_1269	41268	1269	48.555	201.61	1.955	8.653	22.86	-3108.82
41269_1269	41269	1269	-48.561	-201.61	-1.797	1.485	-22.86	3108.834

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41269_1270	41269	1270	48.561	241.449	1.797	-1.485	43.434	-5645.64
41270_1270	41270	1270	-48.561	-261.547	2.749	-22.875	-43.434	5645.667
41270_1271	41270	1271	48.561	293.434	-2.749	22.875	18.234	-8189.04
41271_1271	41271	1271	-48.554	-297.074	2.874	-1.936	-18.234	8189.073
41271_1272	41271	1272	48.554	335.893	-2.874	1.936	-13.829	-11720.5
41272_1272	41272	1272	-46.396	-336.337	2.997	28.988	13.961	11686.88
41272_1273	41272	1273	46.294	351.842	-2.997	-28.988	-26.463	-13122.4
41273_1273	41273	1273	-41.109	-377.047	19.468	-29.428	25.889	13123.42
41273_1274	41273	1274	40.526	406.696	-19.468	29.428	-180.731	-16240.1
41274_1274	41274	1274	-33.705	-407.642	19.538	-8.889	181.001	16240.16
41274_1275	41274	1275	32.618	437.223	-19.538	8.889	-334.931	-19568
41275_1275	41275	1275	-26.914	-437.681	19.717	57.335	337.789	19540.74
41275_1276	41275	1276	26.041	455.219	-19.717	-57.335	-420.234	-21407.5
41276_1276	41276	1276	-17.33	-468.825	-78.096	-67.295	413.872	21302.14
41276_1277	41276	1277	13.972	518.928	78.096	67.295	505.314	-27113.5
41277_1277	41277	1277	-0.427	-519.163	-77.906	50.488	-497.14	27113.71
41277_1278	41277	1278	-4.861	575.541	77.906	-50.488	1495.067	-34121.9
41278_1278	41278	1278	17.604	-564.804	131.259	-81.035	-1513.37	34122.42
41278_1279	41278	1279	-22.824	608.886	-131.259	81.035	247.228	-39781.7
41279_1279	41279	1279	-2777.25	383.133	46.058	45.419	-868.855	14935.57
41279_1280	41279	1280	2777.25	-344.178	-46.058	-45.419	431.2	-11480
41280_1280	41280	1280	-2777.22	344.178	47.6	56.133	-431.2	11704.44
41280_1281	41280	1281	2777.224	-323.27	-47.6	-56.133	173.197	-9895.56
41281_1281	41281	1281	-2777.22	306.179	-22.826	-10.432	-173.197	9929.544
41281_1282	41281	1282	2777.219	-262.079	22.826	10.432	455.314	-6417.85
41282_1282	41282	1282	-2777.28	262.079	-14.521	8.76	-455.314	6417.847
41282_1283	41282	1283	2777.275	-218.754	14.521	-8.76	631.632	-3498.57
41283_1283	41283	1283	-2777.27	170.089	13.623	-0.648	-631.632	3498.566
41283_1284	41283	1284	2777.267	-125.824	-13.623	0.648	462.621	-1663.03
41284_1284	41284	1284	-2777.21	125.824	22.638	4.75	-462.621	1663.019
41284_1285	41284	1285	2777.208	-87.441	-22.638	-4.75	219.092	-515.942
41285_1285	41285	1285	-2777.1	49.935	30.07	1.16	-219.092	515.809
41285_1286	41285	1286	2777.1	-10.007	-30.07	-1.16	-117.393	-180.43
41286_1286	41286	1286	-2777	10.007	38.393	1.7	117.393	180.425
41286_1287	41286	1287	2776.997	27.112	-38.393	-1.7	-516.798	-269.396
41287_1287	41287	1287	-2777.27	-64.282	-21.449	-1.819	516.798	269.416
41287_1288	41287	1288	2777.271	111.014	21.449	1.819	-235.875	-1417.37
41288_1288	41288	1288	-2777.33	-114.654	-11.891	3.058	235.875	1417.372
41288_1289	41288	1289	2777.328	154.695	11.891	-3.058	-102.43	-2928.7
41289_1289	41289	1289	-2777.36	-189.796	-4.371	-4.022	102.43	2928.763
41289_1290	41289	1290	2777.364	204.085	4.371	4.022	-84.925	-3717.46
41290_1290	41290	1290	-2777.37	-204.085	-0.37	1.217	84.925	3488.753
41290_1291	41290	1291	2777.367	240.282	0.37	-1.217	-81.406	-5599.47
41291_1291	41291	1291	79.739	812.464	22.067	-2.136	-260.996	26776.62
41291_1292	41291	1292	-76.13	-780.573	-22.067	2.136	96.783	-20850.6
41292_1292	41292	1292	53.423	751.313	4.689	-26.303	-94.574	20851.03
41292_1293	41292	1293	-48.83	-698.73	-4.689	26.303	35.146	-11660.1
41293_1293	41293	1293	27.585	699.84	4.742	27.665	-39.068	11660.12
41293_1294	41293	1294	-25.036	-654.837	-4.742	-27.665	-13.996	-4081.07
41294_1294	41294	1294	8.973	621.534	-1.246	6.527	15.442	4059.939
41294_1295	41294	1295	-8.036	-593.74	1.246	-6.527	-6.651	225.389
41295_1295	41295	1295	-3.392	593.783	-1.199	4.471	6.709	-224.247
41295_1296	41295	1296	3.751	-568.726	1.199	-4.471	1.872	4384.574

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
41296_1296	41296	1296	-11.503	568.62	-1.186	-0.229	-1.817	-4384.58
41296_1297	41296	1297	11.523	-537.889	1.186	0.229	12.25	9250.244
41297_1297	41297	1297	-11.877	498.526	1.21	39.14	-12.25	-9250.27
41297_1298	41297	1298	11.877	-484.368	-1.21	-39.14	7.347	11241.77
41298_1298	41298	1298	-11.875	484.368	1.229	21.308	-7.347	-11241.8
41298_1299	41298	1299	11.875	-450.96	-1.229	-21.308	-3.057	15200.94
41299_1299	41299	1299	-11.871	450.96	1.267	-27.381	3.057	-15200.9
41299_1300	41299	1300	11.871	-403.663	-1.267	27.381	-18.242	20322.43
41300_1300	41300	1300	-11.866	356.27	1.437	51.325	18.242	-20322.5
41300_1301	41300	1301	11.866	-304.324	-1.437	-51.325	-37.154	24670.3
41301_1301	41301	1301	-11.86	304.324	1.484	-47.542	37.154	-24670.3
41301_1302	41301	1302	11.86	-259.619	-1.484	47.542	-53.967	27864.6
41302_1302	41302	1302	-11.858	207.859	0.077	69.765	53.967	-27864.7
41302_1303	41302	1303	11.858	-154.734	-0.077	-69.765	-55.009	30305.35
41303_1303	41303	1303	-11.858	154.734	0.133	-72.387	55.009	-30305.3
41303_1304	41303	1304	11.858	-111.164	-0.133	72.387	-56.478	31773.21
41304_1304	41304	1304	-11.854	57.244	1.394	64.866	56.478	-31773.4
41304_1305	41304	1305	11.854	-5.684	-1.394	-64.866	-74.688	32184.47
41305_1305	41305	1305	-11.849	5.684	1.441	-63.138	74.688	-32184.5
41305_1306	41305	1306	11.849	39.425	-1.441	63.138	-91.157	31991.63
41306_1306	41306	1306	-11.845	-95.911	0.734	59.244	91.157	-31991.6
41306_1307	41306	1307	11.845	142.723	-0.734	-59.244	-99.869	30576.22
41307_1307	41307	1307	-11.842	-142.723	0.776	-47.542	99.869	-30576.2
41307_1308	41307	1308	11.842	192.588	-0.776	47.542	-109.672	28457.71
41308_1308	41308	1308	-11.835	-242.81	2.729	51.455	109.672	-28457.8
41308_1309	41308	1309	11.835	290.809	-2.729	-51.455	-142.864	25212.46
41309_1309	41309	1309	-11.825	-290.809	2.774	-45.191	142.864	-25212.5
41309_1310	41309	1310	11.825	339.509	-2.774	45.191	-177.099	21323.12
41310_1310	41310	1310	-11.824	-384.235	-1.713	30.298	177.099	-21323.1
41310_1311	41310	1311	11.824	434.785	1.713	-30.298	-155.162	16077.44
41311_1311	41311	1311	-11.83	-434.785	-1.667	-31.252	155.162	-16077.4
41311_1312	41311	1312	11.83	485.224	1.667	31.252	-133.852	10197.93
41312_1312	41312	1312	-11.857	-528.391	-7.456	2.49	133.852	-10197.9
41312_1313	41312	1313	11.857	599.235	7.456	-2.49	0	76.052
42000_2000	42000	2000	-0.683	16.526	-4.876	5.765	0	-0.799
42000_2001	42000	2001	0.683	9.27	4.876	-5.765	77.827	58.704
42001_2001	42001	2001	-0.679	-9.27	-4.877	5.813	-77.827	-58.7
42001_2002	42001	2002	0.679	26.442	4.877	-5.813	129.64	-131.018
42002_2002	42002	2002	-0.46	22.752	6.822	4.182	-129.64	130.98
42002_2003	42002	2003	0.46	-3.075	-6.822	-4.182	46.578	26.248
42003_2003	42003	2003	-0.459	3.075	6.822	4.18	-46.578	-26.248
42003_2004	42003	2004	0.459	16.619	-6.822	-4.18	-36.552	-56.273
42004_2004	42004	2004	-0.575	19.706	-0.258	3.521	36.552	55.998
42004_2005	42004	2005	0.575	-0.028	0.258	-3.521	-33.412	64.141
42005_2005	42005	2005	-0.575	0.028	-0.258	3.567	33.412	-64.138
42005_2006	42005	2006	0.575	19.667	0.258	-3.567	-30.264	-55.526
42006_2006	42006	2006	-0.569	20.046	0.181	1.594	30.264	55.513
42006_2007	42006	2007	0.569	-0.367	-0.181	-1.594	-32.47	68.767
42007_2007	42007	2007	-0.569	0.367	0.181	1.594	32.47	-68.767
42007_2008	42007	2008	0.569	19.313	-0.181	-1.594	-34.677	-46.583
42008_2008	42008	2008	-0.571	19.488	-0.027	-0.269	34.677	46.912
42008_2009	42008	2009	0.571	0.193	0.027	0.269	-34.343	70.577
42009_2009	42009	2009	-0.571	-0.193	-0.027	-0.334	34.343	-70.577

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42009_2010	42009	2010	0.571	19.889	0.027	0.334	-34.015	-51.786
42010_2010	42010	2010	-0.573	19.283	-0.248	-2.059	34.015	51.797
42010_2011	42010	2011	0.573	0.399	0.248	2.059	-30.996	63.184
42011_2011	42011	2011	-0.573	-0.399	-0.248	-2.059	30.996	-63.184
42011_2012	42011	2012	0.573	20.08	0.248	2.059	-27.977	-61.512
42012_2012	42012	2012	-0.572	18.664	-0.112	-3.503	27.977	61.264
42012_2013	42012	2013	0.572	1.014	0.112	3.503	-26.609	46.183
42013_2013	42013	2013	-0.572	-1.014	-0.112	-3.545	26.609	-46.18
42013_2014	42013	2014	0.572	20.706	0.112	3.545	-25.246	-86.138
42014_2014	42014	2014	-0.58	18.295	-2.212	-3.706	25.246	86.079
42014_2015	42014	2015	0.58	8.511	2.212	3.706	11.445	-4.939
42015_2015	42015	2015	-0.582	-8.511	-2.212	-3.716	-11.445	4.944
42015_2016	42015	2016	0.582	21.84	2.212	3.716	29.687	-130.1
42016_2016	42016	2016	-0.6	19.638	-0.05	-2.8	-29.687	130.776
42016_2017	42016	2017	0.6	-0.913	0.05	2.8	30.277	-9.988
42017_2017	42017	2017	-0.6	0.913	-0.05	-2.794	-30.277	9.989
42017_2018	42017	2018	0.6	20.183	0.05	2.794	30.936	-137.602
42018_2018	42018	2018	-0.62	19.456	3.897	-1.749	-30.936	137.738
42018_2019	42018	2019	0.62	0.456	-3.897	1.749	-17.779	-18.979
42019_2019	42019	2019	-0.617	-0.456	3.897	-1.734	17.779	18.98
42019_2020	42019	2020	0.617	20.367	-3.897	1.734	-66.496	-149.119
42020_2020	42020	2020	-0.643	21.139	-3.76	-0.954	66.496	149.161
42020_2021	42020	2021	0.643	-5.999	3.76	0.954	-30.759	-20.185
42021_2021	42021	2021	-0.638	5.999	-3.761	-0.987	30.759	20.185
42021_2022	42021	2022	0.638	6.338	3.761	0.987	-1.631	-21.498
42022_2022	42022	2022	-0.639	-6.338	-3.76	-0.984	1.631	21.498
42022_2023	42022	2023	0.639	18.692	3.76	0.984	27.533	-118.562
42023_2023	42023	2023	-0.635	19.394	0.379	-0.33	-27.533	118.512
42023_2024	42023	2024	0.635	-6.656	-0.379	0.33	24.501	-14.359
42024_2024	42024	2024	-0.635	6.656	0.379	-0.33	-24.501	14.359
42024_2025	42024	2025	0.635	6.081	-0.379	0.33	21.47	-12.057
42025_2025	42025	2025	-0.635	-6.081	0.378	-0.344	-21.47	12.056
42025_2026	42025	2026	0.635	18.835	-0.378	0.344	18.439	-111.813
42026_2026	42026	2026	-0.638	18.912	0.083	-0.377	-18.439	111.633
42026_2027	42026	2027	0.638	-9.351	-0.083	0.377	17.941	-26.814
42027_2027	42027	2027	-0.638	9.351	0.084	-0.337	-17.941	26.814
42027_2028	42027	2028	0.638	0.192	-0.084	0.337	17.437	0.624
42028_2028	42028	2028	-0.638	-0.192	0.083	-0.336	-17.437	-0.624
42028_2029	42028	2029	0.638	9.752	-0.083	0.336	16.938	-29.219
42029_2029	42029	2029	-0.638	-9.752	0.083	-0.336	-16.938	29.219
42029_2030	42029	2030	0.638	19.313	-0.083	0.336	16.439	-116.445
42030_2030	42030	2030	-0.643	18.398	-0.483	-0.352	-16.439	116.388
42030_2031	42030	2031	0.643	-5.652	0.483	0.352	20.306	-20.16
42031_2031	42031	2031	-0.642	5.652	-0.484	-0.38	-20.306	20.159
42031_2032	42031	2032	0.642	7.08	0.484	0.38	24.176	-25.866
42032_2032	42032	2032	-0.643	-7.08	-0.483	-0.344	-24.176	25.866
42032_2033	42032	2033	0.643	19.826	0.483	0.344	28.043	-133.52
42033_2033	42033	2033	-0.61	18.552	2.329	0.025	-28.043	133.542
42033_2034	42033	2034	0.61	-6.199	-2.329	-0.025	9.978	-37.565
42034_2034	42034	2034	-0.608	6.199	2.33	0.068	-9.978	37.565
42034_2035	42034	2035	0.608	6.137	-2.33	-0.068	-8.067	-37.325
42035_2035	42035	2035	-0.606	-6.137	2.33	0.09	8.067	37.325
42035_2036	42035	2036	0.606	21.272	-2.33	-0.09	-30.211	-167.544

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42036_2036	42036	2036	-0.718	21.099	-2.717	0.873	30.211	167.56
42036_2037	42036	2037	0.718	-1.179	2.717	-0.873	3.772	-28.262
42037_2037	42037	2037	-0.717	1.179	-2.717	0.871	-3.772	28.262
42037_2038	42037	2038	0.717	18.726	2.717	-0.871	37.728	-137.893
42038_2038	42038	2038	-0.66	14.362	0.932	1.88	-37.728	137.899
42038_2039	42038	2039	0.66	6.729	-0.932	-1.88	25.392	-87.359
42039_2039	42039	2039	-0.66	-6.729	0.932	2.074	-25.392	86.831
42039_2040	42039	2040	0.66	25.1	-0.932	-2.074	14.44	-273.908
42040_2040	42040	2040	-0.688	19.224	-0.468	2.888	-14.44	274.034
42040_2041	42040	2041	0.688	-6.328	0.468	-2.888	18.303	-168.613
42041_2041	42041	2041	-0.688	6.328	-0.468	2.891	-18.303	168.613
42041_2042	42041	2042	0.688	18.93	0.468	-2.891	25.869	-270.451
42042_2042	42042	2042	-0.661	21.113	1.859	2.345	-25.869	270.476
42042_2043	42042	2043	0.661	-2.404	-1.859	-2.345	3.619	-129.714
42043_2043	42043	2043	-0.66	2.404	1.859	2.444	-3.619	129.712
42043_2044	42043	2044	0.66	16.288	-1.859	-2.444	-18.617	-212.741
42044_2044	42044	2044	-0.679	19.886	0.094	1.279	18.617	212.882
42044_2045	42044	2045	0.679	-1.177	-0.094	-1.279	-19.743	-86.808
42045_2045	42045	2045	-0.679	1.177	0.094	1.279	19.743	86.808
42045_2046	42045	2046	0.679	17.532	-0.094	-1.279	-20.87	-184.701
42046_2046	42046	2046	-0.681	19.552	-0.134	-0.261	20.87	184.516
42046_2047	42046	2047	0.681	-0.851	0.134	0.261	-19.268	-62.442
42047_2047	42047	2047	-0.681	0.851	-0.134	-0.261	19.268	62.442
42047_2048	42047	2048	0.681	17.851	0.134	0.261	-17.667	-164.154
42048_2048	42048	2048	-0.683	18.971	-0.281	-1.612	17.667	164.058
42048_2049	42048	2049	0.683	-0.271	0.281	1.612	-14.308	-48.936
42049_2049	42049	2049	-0.683	0.271	-0.281	-1.653	14.308	48.935
42049_2050	42049	2050	0.683	18.431	0.281	1.653	-10.942	-157.586
42050_2050	42050	2050	-0.701	18.459	-1.863	-2.163	10.942	157.435
42050_2051	42050	2051	0.701	6.771	1.863	2.163	19.136	-63.095
42051_2051	42051	2051	-0.702	-6.771	-1.863	-2.15	-19.136	63.098
42051_2052	42051	2052	0.702	19.652	1.863	2.15	34.49	-171.984
42052_2052	42052	2052	-0.702	20.689	-0.453	-1.508	-34.49	172.071
42052_2053	42052	2053	0.702	-2.324	0.453	1.508	39.812	-36.862
42053_2053	42053	2053	-0.702	2.324	-0.453	-1.483	-39.812	36.869
42053_2054	42053	2054	0.702	17.753	0.453	1.483	45.815	-139.122
42054_2054	42054	2054	-0.694	18.254	2.894	-0.633	-45.815	138.974
42054_2055	42054	2055	0.694	0.677	-2.894	0.633	9.643	-29.125
42055_2055	42055	2055	-0.691	-0.677	2.895	-0.609	-9.643	29.126
42055_2056	42055	2056	0.691	19.608	-2.895	0.609	-26.534	-155.891
42056_2056	42056	2056	-0.73	20.187	-2.872	0.012	26.534	155.918
42056_2057	42056	2057	0.73	-5.794	2.872	-0.012	0.757	-32.479
42057_2057	42057	2057	-0.734	5.794	-2.871	0.049	-0.757	32.48
42057_2058	42057	2058	0.734	5.941	2.871	-0.049	23.001	-33.047
42058_2058	42058	2058	-0.73	-5.941	-2.872	0.007	-23.001	33.047
42058_2059	42058	2059	0.73	17.677	2.872	-0.007	45.254	-124.542
42059_2059	42059	2059	-0.707	18.898	1.539	0.35	-45.254	124.533
42059_2060	42059	2060	0.707	-6.772	-1.539	-0.35	32.936	-21.778
42060_2060	42060	2060	-0.707	6.772	1.539	0.349	-32.936	21.778
42060_2061	42060	2061	0.707	5.338	-1.539	-0.349	20.633	-16.045
42061_2061	42061	2061	-0.707	-5.338	1.539	0.35	-20.633	16.045
42061_2062	42061	2062	0.707	17.464	-1.539	-0.35	8.315	-107.32
42062_2062	42062	2062	-0.717	18.373	0.619	0.304	-8.315	107.229

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42062_2063	42062	2063	0.717	-9.297	-0.619	-0.304	4.608	-24.33
42063_2063	42063	2063	-0.716	9.297	0.62	0.347	-4.608	24.329
42063_2064	42063	2064	0.716	-0.207	-0.62	-0.347	0.888	4.189
42064_2064	42064	2064	-0.717	0.207	0.619	0.354	-0.888	-4.188
42064_2065	42064	2065	0.717	8.884	-0.619	-0.354	-2.826	-21.853
42065_2065	42065	2065	-0.717	-8.884	0.619	0.354	2.826	21.853
42065_2066	42065	2066	0.717	17.975	-0.619	-0.354	-6.539	-102.459
42066_2066	42066	2066	-0.723	18.09	0.056	0.28	6.539	102.296
42066_2067	42066	2067	0.723	-5.967	-0.056	-0.28	-6.99	-6.029
42067_2067	42067	2067	-0.723	5.967	0.056	0.28	6.99	6.029
42067_2068	42067	2068	0.723	6.14	-0.056	-0.28	-7.44	-6.719
42068_2068	42068	2068	-0.723	-6.14	0.056	0.28	7.44	6.719
42068_2069	42068	2069	0.723	18.262	-0.056	-0.28	-7.891	-104.366
42069_2069	42069	2069	-0.688	17.458	2.557	0.783	7.891	104.286
42069_2070	42069	2070	0.688	-5.715	-2.557	-0.783	-27.717	-14.453
42070_2070	42070	2070	-0.688	5.715	2.557	0.782	27.717	14.453
42070_2071	42070	2071	0.688	6.013	-2.557	-0.782	-47.518	-15.607
42071_2071	42071	2071	-0.687	-6.013	2.557	0.792	47.518	15.608
42071_2072	42071	2072	0.687	20.411	-2.557	-0.792	-71.828	-141.203
42072_2072	42072	2072	-0.754	20.452	-3.296	1.527	71.828	141.143
42072_2073	42072	2073	0.754	-1.522	3.296	-1.527	-30.639	-3.833
42073_2073	42073	2073	-0.754	1.522	-3.296	1.527	30.639	3.833
42073_2074	42073	2074	0.754	17.407	3.296	-1.527	10.55	-103.094
42074_2074	42074	2074	-0.673	15.077	0.911	2.321	-10.55	103.143
42074_2075	42074	2075	0.673	4.99	-0.911	-2.321	-1.522	-36.32
42075_2075	42075	2075	-0.673	-4.99	0.911	2.646	1.522	36.292
42075_2076	42075	2076	0.673	22.406	-0.911	-2.646	-12.236	-197.331
42076_2076	42076	2076	-0.699	18.091	-0.314	3.066	12.236	197.316
42076_2077	42076	2077	0.699	-5.87	0.314	-3.066	-9.646	-98.485
42077_2077	42077	2077	-0.699	5.87	-0.315	2.957	9.646	98.49
42077_2078	42077	2078	0.699	15.874	0.315	-2.957	-5.027	-171.9
42078_2078	42078	2078	-0.686	18.038	1.205	2.425	5.027	172.122
42078_2079	42078	2079	0.686	-1.367	-1.205	-2.425	-18.583	-62.942
42079_2079	42079	2079	-0.686	1.367	1.205	2.422	18.583	62.943
42079_2080	42079	2080	0.686	15.289	-1.205	-2.422	-32.126	-141.207
42080_2080	42080	2080	-0.696	16.897	-0.097	1.498	32.126	141.214
42080_2081	42080	2081	0.696	-0.231	0.097	-1.498	-31.031	-44.867
42081_2081	42081	2081	-0.696	0.231	-0.098	1.458	31.031	44.868
42081_2082	42081	2082	0.696	16.437	0.098	-1.458	-29.929	-136.034
42082_2082	42082	2082	-0.696	18.184	-0.098	0.127	29.929	135.922
42082_2083	42082	2083	0.696	-0.286	0.098	-0.127	-28.747	-24.356
42083_2083	42083	2083	-0.696	0.286	-0.098	0.107	28.747	24.356
42083_2084	42083	2084	0.696	17.628	0.098	-0.107	-27.556	-129.202
42084_2084	42084	2084	-0.698	16.87	-0.256	-1.216	27.556	129.215
42084_2085	42084	2085	0.698	-0.206	0.256	1.216	-24.68	-33.179
42085_2085	42085	2085	-0.698	0.206	-0.256	-1.246	24.68	33.177
42085_2086	42085	2086	0.698	16.444	0.256	1.246	-21.799	-124.421
42086_2086	42086	2086	-0.699	16.263	-0.224	-2.334	21.799	124.647
42086_2087	42086	2087	0.699	0.401	0.224	2.334	-19.277	-35.433
42087_2087	42087	2087	-0.699	-0.401	-0.225	-2.365	19.277	35.431
42087_2088	42087	2088	0.699	17.065	0.225	2.365	-16.748	-133.664
42088_2088	42088	2088	-0.72	14.972	-1.892	-2.753	16.748	133.68
42088_2089	42088	2089	0.72	5.958	1.892	2.753	9.981	-70.003

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42089_2089	42089	2089	-0.72	-5.958	-1.892	-2.757	-9.981	70.006
42089_2090	42089	2090	0.72	18.173	1.892	2.757	25.58	-169.481
42090_2090	42090	2090	-0.72	18.719	-0.375	-2.264	-25.58	169.699
42090_2091	42090	2091	0.72	-1.302	0.375	2.264	29.984	-52.012
42091_2091	42091	2091	-0.72	1.302	-0.375	-2.267	-29.984	52.021
42091_2092	42091	2092	0.72	18.03	0.375	2.267	34.954	-162.823
42092_2092	42092	2092	-0.714	17.91	2.493	-1.402	-34.954	162.669
42092_2093	42092	2093	0.714	0.325	-2.493	1.402	3.808	-52.802
42093_2093	42093	2093	-0.712	-0.325	2.493	-1.359	-3.808	52.803
42093_2094	42093	2094	0.712	18.573	-2.493	1.359	-27.37	-170.963
42094_2094	42094	2094	-0.707	19.343	-2.418	-0.655	27.37	170.916
42094_2095	42094	2095	0.707	-5.474	2.418	0.655	-4.392	-52.982
42095_2095	42095	2095	-0.709	5.474	-2.417	-0.611	4.392	52.986
42095_2096	42095	2096	0.709	5.825	2.417	0.611	14.323	-54.345
42096_2096	42096	2096	-0.706	-5.825	-2.418	-0.679	-14.323	54.345
42096_2097	42096	2097	0.706	17.139	2.418	0.679	33.07	-143.372
42097_2097	42097	2097	-0.686	18.009	0.811	-0.125	-33.07	143.23
42097_2098	42097	2098	0.686	-6.346	-0.811	0.125	26.591	-45.898
42098_2098	42098	2098	-0.686	6.346	0.811	-0.124	-26.591	45.898
42098_2099	42098	2099	0.686	5.333	-0.811	0.124	20.103	-41.844
42099_2099	42099	2099	-0.686	-5.333	0.811	-0.124	-20.103	41.844
42099_2100	42099	2100	0.686	17.011	-0.811	0.124	13.616	-131.248
42100_2100	42100	2100	-0.692	17.57	0.198	-0.038	-13.616	131.22
42100_2101	42100	2101	0.692	-8.811	-0.198	0.038	12.428	-52.048
42101_2101	42101	2101	-0.692	8.811	0.198	-0.04	-12.428	52.048
42101_2102	42101	2102	0.692	-0.067	-0.198	0.04	11.242	-25.448
42102_2102	42102	2102	-0.692	0.067	0.198	-0.039	-11.242	25.448
42102_2103	42102	2103	0.692	8.692	-0.198	0.039	10.054	-51.331
42103_2103	42103	2103	-0.692	-8.692	0.198	-0.039	-10.054	51.331
42103_2104	42103	2104	0.692	17.45	-0.198	0.039	8.866	-129.785
42104_2104	42104	2104	-0.694	17.242	-0.433	-0.009	-8.866	129.788
42104_2105	42104	2105	0.694	-5.563	0.433	0.009	12.335	-38.529
42105_2105	42105	2105	-0.695	5.563	-0.433	0.038	-12.335	38.529
42105_2106	42105	2106	0.695	6.102	0.433	-0.038	15.793	-40.685
42106_2106	42106	2106	-0.695	-6.102	-0.433	0.04	-15.793	40.685
42106_2107	42106	2107	0.695	17.781	0.433	-0.04	19.255	-136.255
42107_2107	42107	2107	-0.686	16.951	2.424	0.491	-19.255	136.284
42107_2108	42107	2108	0.686	-5.637	-2.424	-0.491	0.459	-48.718
42108_2108	42108	2108	-0.683	5.637	2.425	0.552	-0.459	48.718
42108_2109	42108	2109	0.683	5.663	-2.425	-0.552	-18.318	-48.818
42109_2109	42109	2109	-0.686	-5.663	2.424	0.496	18.318	48.817
42109_2110	42109	2110	0.686	19.532	-2.424	-0.496	-41.358	-168.542
42110_2110	42110	2110	-0.717	19.333	-2.707	1.273	41.358	168.54
42110_2111	42110	2111	0.717	-1.101	2.707	-1.273	-7.536	-40.895
42111_2111	42111	2111	-0.719	1.101	-2.707	1.307	7.536	40.894
42111_2112	42111	2112	0.719	17.145	2.707	-1.307	26.306	-141.202
42112_2112	42112	2112	-0.689	14.045	0.65	2.198	-26.306	141.229
42112_2113	42112	2113	0.689	5.296	-0.65	-2.198	17.69	-83.252
42113_2113	42113	2113	-0.689	-5.296	0.65	2.414	-17.69	83.289
42113_2114	42113	2114	0.689	22.394	-0.65	-2.414	10.055	-245.877
42114_2114	42114	2114	-0.696	17.383	-0.128	3.183	-10.055	245.875
42114_2115	42114	2115	0.696	-5.37	0.128	-3.183	11.109	-152.002
42115_2115	42115	2115	-0.696	5.37	-0.129	2.832	-11.109	152.009

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42115_2116	42115	2116	0.696	15.95	0.129	-2.832	13.003	-229.474
42116_2116	42116	2116	-0.695	18.432	1.35	2.815	-13.003	229.308
42116_2117	42116	2117	0.695	-2.064	-1.35	-2.815	-2.17	-114.105
42117_2117	42117	2117	-0.696	2.064	1.349	2.714	2.17	114.107
42117_2118	42117	2118	0.696	14.305	-1.349	-2.714	-17.335	-182.915
42118_2118	42118	2118	-0.693	17.148	0.013	1.992	17.335	182.904
42118_2119	42118	2119	0.693	-0.781	-0.013	-1.992	-17.486	-82.127
42119_2119	42119	2119	-0.693	0.781	0.014	2.066	17.486	82.126
42119_2120	42119	2120	0.693	15.6	-0.014	-2.066	-17.644	-165.488
42120_2120	42120	2120	-0.693	18.37	0.164	0.748	17.644	165.318
42120_2121	42120	2121	0.693	-0.78	-0.164	-0.748	-19.625	-49.642
42121_2121	42121	2121	-0.693	0.78	0.164	0.748	19.625	49.642
42121_2122	42121	2122	0.693	16.81	-0.164	-0.748	-21.607	-146.477
42122_2122	42122	2122	-0.693	17.004	0.004	-0.665	21.607	146.476
42122_2123	42122	2123	0.693	-0.623	-0.004	0.665	-21.655	-47.319
42123_2123	42123	2123	-0.693	0.623	0.004	-0.665	21.655	47.319
42123_2124	42123	2124	0.693	15.742	-0.004	0.665	-21.703	-132.292
42124_2124	42124	2124	-0.693	16.396	-0.444	-1.915	21.703	132.302
42124_2125	42124	2125	0.693	-0.03	0.444	1.915	-16.709	-39.98
42125_2125	42125	2125	-0.693	0.03	-0.444	-1.879	16.709	39.981
42125_2126	42125	2126	0.693	16.35	0.444	1.879	-11.718	-131.786
42126_2126	42126	2126	-0.695	14.704	-1.736	-2.535	11.718	131.651
42126_2127	42126	2127	0.695	5.491	1.736	2.535	12.358	-67.754
42127_2127	42127	2127	-0.696	-5.491	-1.735	-2.472	-12.358	67.756
42127_2128	42127	2128	0.696	17.517	1.735	2.472	26.691	-162.778
42128_2128	42128	2128	-0.707	18.382	-0.319	-2.089	-26.691	162.614
42128_2129	42128	2129	0.707	-1.289	0.319	2.089	30.439	-47.141
42129_2129	42129	2129	-0.707	1.289	-0.319	-1.972	-30.439	47.15
42129_2130	42129	2130	0.707	18.024	0.319	1.972	34.674	-158.103
42130_2130	42130	2130	-0.721	17.264	4.641	-1.495	-34.674	157.977
42130_2131	42130	2131	0.721	0.942	-4.641	1.495	-23.339	-55.964
42131_2131	42131	2131	-0.717	-0.942	4.642	-1.451	23.339	55.965
42131_2132	42131	2132	0.717	19.133	-4.642	1.451	-81.312	-181.336
42132_2132	42132	2132	-2.866	18.366	-4.998	-0.474	81.312	153.694
42132_2133	42132	2133	2.866	-4.53	4.998	0.474	-33.831	-44.936
42133_2133	42133	2133	-2.862	4.53	-5	-0.506	33.831	44.935
42133_2134	42133	2134	2.862	6.758	5	0.506	4.92	-53.568
42134_2134	42134	2134	-2.862	-6.758	-5	-0.506	-4.92	53.568
42134_2135	42134	2135	2.862	18.06	5	0.506	43.72	-149.862
42135_2135	42135	2135	-2.889	18.482	1.094	0.108	-43.72	150.06
42135_2136	42135	2136	2.889	-6.828	-1.094	-0.108	34.965	-48.803
42136_2136	42136	2136	-2.89	6.828	1.091	0.047	-34.965	48.803
42136_2137	42136	2137	2.89	4.825	-1.091	-0.047	26.239	-40.789
42137_2137	42137	2137	-2.889	-4.825	1.094	0.098	-26.239	40.789
42137_2138	42137	2138	2.889	16.479	-1.094	-0.098	17.483	-126.019
42138_2138	42138	2138	-2.881	17.43	0.612	-0.013	-17.483	126.019
42138_2139	42138	2139	2.881	-8.69	-0.612	0.013	13.809	-47.647
42139_2139	42139	2139	-2.881	8.69	0.612	-0.013	-13.809	47.647
42139_2140	42139	2140	2.881	0.051	-0.612	0.013	10.135	-21.726
42140_2140	42140	2140	-2.881	-0.051	0.612	-0.013	-10.135	21.726
42140_2141	42140	2141	2.881	8.791	-0.612	0.013	6.461	-48.255
42141_2141	42141	2141	-2.881	-8.791	0.612	-0.013	-6.461	48.255
42141_2142	42141	2142	2.881	17.531	-0.612	0.013	2.786	-127.235

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42142_2142	42142	2142	-2.859	17.111	-0.576	-0.206	-2.786	127.087
42142_2143	42142	2143	2.859	-5.472	0.576	0.206	7.387	-36.854
42143_2143	42143	2143	-2.859	5.472	-0.572	-0.159	-7.387	36.854
42143_2144	42143	2144	2.859	6.182	0.572	0.159	11.965	-39.696
42144_2144	42144	2144	-2.859	-6.182	-0.576	-0.209	-11.965	39.696
42144_2145	42144	2145	2.859	17.836	0.576	0.209	16.571	-135.783
42145_2145	42145	2145	-2.913	16.785	2.539	0.198	-16.571	135.934
42145_2146	42145	2146	2.913	-5.496	-2.539	-0.198	-3.111	-49.582
42146_2146	42146	2146	-2.913	5.496	2.539	0.198	3.111	49.582
42146_2147	42146	2147	2.913	5.794	-2.539	-0.198	-22.792	-50.737
42147_2147	42147	2147	-2.915	-5.794	2.537	0.139	22.792	50.733
42147_2148	42147	2148	2.915	19.633	-2.537	-0.139	-46.894	-171.531
42148_2148	42148	2148	-2.817	19.561	-3.15	0.912	46.894	171.539
42148_2149	42148	2149	2.817	-1.352	3.15	-0.912	-7.512	-40.816
42149_2149	42149	2149	-2.815	1.352	-3.152	0.879	7.512	40.817
42149_2150	42149	2150	2.815	16.842	3.152	-0.879	31.869	-137.572
42150_2150	42150	2150	-2.883	13.697	0.771	1.77	-31.869	137.587
42150_2151	42150	2151	2.883	5.605	-0.771	-1.77	21.648	-83.968
42151_2151	42151	2151	-2.883	-5.605	0.77	1.8	-21.648	82.468
42151_2152	42151	2152	2.883	23.458	-0.77	-1.8	12.604	-253.242
42152_2152	42152	2152	-2.884	17.179	0.811	2.237	-12.604	253.246
42152_2153	42152	2153	2.884	-4.643	-0.811	-2.237	5.913	-163.215
42153_2153	42153	2153	-2.884	4.643	0.811	2.23	-5.913	163.205
42153_2154	42153	2154	2.884	16.233	-0.811	-2.23	-5.229	-242.842
42154_2154	42154	2154	-2.88	18.827	0.59	1.846	5.229	242.835
42154_2155	42154	2155	2.88	-2.114	-0.59	-1.846	-11.723	-127.639
42155_2155	42155	2155	-2.88	2.114	0.59	1.846	11.723	127.639
42155_2156	42155	2156	2.88	14.6	-0.59	-1.846	-18.217	-196.322
42156_2156	42156	2156	-2.875	16.602	0.324	0.932	18.217	196.306
42156_2157	42156	2157	2.875	-1.392	-0.324	-0.932	-21.463	-106.231
42157_2157	42157	2157	-2.875	1.392	0.321	0.827	21.463	106.232
42157_2158	42157	2158	2.875	13.832	-0.321	-0.827	-24.684	-168.568
42158_2158	42158	2158	-2.867	15.364	-0.134	-0.291	24.684	168.386
42158_2159	42158	2159	2.867	-0.154	0.134	0.291	-23.337	-90.706
42159_2159	42159	2159	-2.867	0.154	-0.134	-0.291	23.337	90.706
42159_2160	42159	2160	2.867	15.055	0.134	0.291	-21.991	-165.296
42160_2160	42160	2160	-2.858	16.71	-0.662	-1.477	21.991	165.437
42160_2161	42160	2161	2.858	0.004	0.662	1.477	-14.703	-73.536
42161_2161	42161	2161	-2.858	-0.004	-0.662	-1.477	14.703	73.536
42161_2162	42161	2162	2.858	16.717	0.662	1.477	-7.415	-165.516
42162_2162	42162	2162	-2.85	15.391	-1.069	-2.278	7.415	165.502
42162_2163	42162	2163	2.85	5.501	1.069	2.278	7.288	-97.494
42163_2163	42163	2163	-2.85	-5.501	-1.067	-2.203	-7.288	97.486
42163_2164	42163	2164	2.85	18.021	1.067	2.203	16.083	-194.413
42164_2164	42164	2164	-2.848	19.557	-1.231	-1.731	-16.083	194.421
42164_2165	42164	2165	2.848	-1.704	1.231	1.731	30.552	-69.489
42165_2165	42165	2165	-2.848	1.704	-1.232	-1.723	-30.552	69.794
42165_2166	42165	2166	2.848	18.965	1.232	1.723	46.877	-184.162
42166_2166	42166	2166	-2.955	18.881	4.648	-0.985	-46.877	184.176
42166_2167	42166	2167	2.955	0.618	-4.648	0.985	-11.228	-70.009
42167_2167	42167	2167	-2.955	-0.618	4.648	-0.985	11.228	70.009
42167_2168	42167	2168	2.955	20.117	-4.648	0.985	-69.332	-199.622
42168_2168	42168	2168	-2.801	20.697	-4.283	-0.314	69.332	199.492

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42168_2169	42168	2169	2.801	-5.894	4.283	0.314	-28.676	-73.297
42169_2169	42169	2169	-2.8	5.894	-4.284	-0.311	28.676	73.292
42169_2170	42169	2170	2.8	6.196	4.284	0.311	4.529	-74.462
42170_2170	42170	2170	-2.794	-6.196	-4.287	-0.407	-4.529	74.462
42170_2171	42170	2171	2.794	18.285	4.287	0.407	37.763	-169.344
42171_2171	42171	2171	-2.891	19.486	1.23	0.169	-37.763	169.514
42171_2172	42171	2172	2.891	-7.007	-1.23	-0.169	27.921	-63.527
42172_2172	42172	2172	-2.893	7.007	1.226	0.09	-27.921	63.527
42172_2173	42172	2173	2.893	5.473	-1.226	-0.09	18.108	-57.39
42173_2173	42173	2173	-2.891	-5.473	1.23	0.161	-18.108	57.39
42173_2174	42173	2174	2.891	17.952	-1.23	-0.161	8.266	-151.104
42174_2174	42174	2174	-2.873	18.85	0.139	0.096	-8.266	150.951
42174_2175	42174	2175	2.873	-9.49	-0.139	-0.096	7.434	-65.918
42175_2175	42175	2175	-2.873	9.49	0.139	0.094	-7.434	65.918
42175_2176	42175	2176	2.873	-0.146	-0.139	-0.094	6.603	-37.053
42176_2176	42176	2176	-2.873	0.146	0.139	0.096	-6.603	37.053
42176_2177	42176	2177	2.873	9.214	-0.139	-0.096	5.771	-64.26
42177_2177	42177	2177	-2.873	-9.214	0.139	0.096	-5.771	64.26
42177_2178	42177	2178	2.873	18.573	-0.139	-0.096	4.938	-147.634
42178_2178	42178	2178	-2.852	18.455	-0.985	-0.023	-4.938	147.788
42178_2179	42178	2179	2.852	-5.976	0.985	0.023	12.817	-50.045
42179_2179	42179	2179	-2.854	5.976	-0.981	0.04	-12.817	50.045
42179_2180	42179	2180	2.854	6.503	0.981	-0.04	20.668	-52.155
42180_2180	42180	2180	-2.852	-6.503	-0.985	-0.025	-20.668	52.155
42180_2181	42180	2181	2.852	18.983	0.985	0.025	28.547	-154.118
42181_2181	42181	2181	-2.952	17.949	4.772	0.328	-28.547	154.122
42181_2182	42181	2182	2.952	-5.86	-4.772	-0.328	-8.439	-61.845
42182_2182	42182	2182	-2.952	5.86	4.772	0.328	8.439	61.845
42182_2183	42182	2183	2.952	6.229	-4.772	-0.328	-45.425	-63.276
42183_2183	42183	2183	-2.956	-6.229	4.769	0.248	45.425	63.269
42183_2184	42183	2184	2.956	21.033	-4.769	-0.248	-90.691	-192.653
42184_2184	42184	2184	-2.78	20.913	-5.229	0.916	90.691	192.794
42184_2185	42184	2185	2.78	-1.414	5.229	-0.916	-25.323	-53.233
42185_2185	42185	2185	-2.776	1.414	-5.231	0.873	25.323	53.234
42185_2186	42185	2186	2.776	18.085	5.231	-0.873	40.074	-157.45
42186_2186	42186	2186	-2.884	15.656	1.008	1.609	-40.074	157.461
42186_2187	42186	2187	2.884	5.013	-1.008	-1.609	26.719	-86.945
42187_2187	42187	2187	-2.885	-5.013	1.006	1.557	-26.719	86.18
42187_2188	42187	2188	2.885	24.132	-1.006	-1.557	14.897	-257.441
42188_2188	42188	2188	-2.883	19.345	0.907	2.054	-14.897	257.447
42188_2189	42188	2189	2.883	-5.937	-0.907	-2.054	7.425	-153.267
42189_2189	42189	2189	-2.883	5.937	0.907	2.068	-7.425	153.291
42189_2190	42189	2190	2.883	16.436	-0.907	-2.068	-5.043	-225.48
42190_2190	42190	2190	-2.878	19.477	0.643	1.622	5.043	225.472
42190_2191	42190	2191	2.878	-1.579	-0.643	-1.622	-12.114	-109.646
42191_2191	42191	2191	-2.878	1.579	0.643	1.622	12.114	109.646
42191_2192	42191	2192	2.878	16.32	-0.643	-1.622	-19.186	-190.735
42192_2192	42192	2192	-2.869	17.519	0.123	0.147	19.186	190.712
42192_2193	42192	2193	2.869	-1.101	-0.123	-0.147	-20.428	-96.761
42193_2193	42193	2193	-2.869	1.101	0.126	0.243	20.428	96.76
42193_2194	42193	2194	2.869	15.317	-0.126	-0.243	-21.7	-168.493
42194_2194	42194	2194	-2.854	16.349	-0.616	-1.249	21.7	168.463
42194_2195	42194	2195	2.854	0.069	0.616	1.249	-15.486	-86.317

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42195_2195	42195	2195	-2.853	-0.069	-0.619	-1.334	15.486	86.315
42195_2196	42195	2196	2.853	16.487	0.619	1.334	-9.244	-169.854
42196_2196	42196	2196	-2.844	17.61	-0.997	-2.681	9.244	169.819
42196_2197	42196	2197	2.844	0.288	0.997	2.681	1.725	-74.534
42197_2197	42197	2197	-2.844	-0.288	-0.997	-2.682	-1.725	74.534
42197_2198	42197	2198	2.844	18.171	0.997	2.682	12.684	-175.984
42198_2198	42198	2198	-2.831	16.402	-1.555	-3.304	-12.684	175.969
42198_2199	42198	2199	2.831	5.971	1.555	3.304	34.067	-104.246
42199_2199	42199	2199	-2.831	-5.971	-1.555	-3.299	-34.067	104.239
42199_2200	42199	2200	2.831	19.395	1.555	3.299	46.898	-208.893
42200_2200	42200	2200	-2.847	21.124	-0.889	-2.142	-46.898	208.923
42200_2201	42200	2201	2.847	-2.005	0.889	2.142	57.345	-73.021
42201_2201	42201	2201	-2.847	2.005	-0.887	-2.08	-57.345	73.291
42201_2202	42201	2202	2.847	20.381	0.887	2.08	69.093	-194.963
42202_2202	42202	2202	-2.958	20.424	3.641	-1.003	-69.093	194.991
42202_2203	42202	2203	2.958	0.71	-3.641	1.003	23.569	-71.758
42203_2203	42203	2203	-2.956	-0.71	3.644	-0.945	-23.569	71.758
42203_2204	42203	2204	2.956	21.844	-3.644	0.945	-21.984	-212.746
42204_2204	42204	2204	-2.779	22.375	-3.582	0.136	21.984	212.778
42204_2205	42204	2205	2.779	-6.313	3.582	-0.136	12.048	-76.484
42205_2205	42205	2205	-2.782	6.313	-3.579	0.226	-12.048	76.472
42205_2206	42205	2206	2.782	6.79	3.579	-0.226	39.79	-78.322
42206_2206	42206	2206	-2.782	-6.79	-3.579	0.225	-39.79	78.322
42206_2207	42206	2207	2.782	19.877	3.579	-0.225	67.498	-181.539
42207_2207	42207	2207	-2.912	20.911	1.668	0.687	-67.498	181.713
42207_2208	42207	2208	2.912	-7.385	-1.668	-0.687	54.152	-68.511
42208_2208	42208	2208	-2.91	7.385	1.672	0.773	-54.152	68.51
42208_2209	42208	2209	2.91	6.141	-1.672	-0.773	40.778	-63.535
42209_2209	42209	2209	-2.912	-6.141	1.668	0.693	-40.778	63.536
42209_2210	42209	2210	2.912	19.667	-1.668	-0.693	27.432	-166.787
42210_2210	42210	2210	-2.882	20.403	0.459	0.862	-27.432	166.79
42210_2211	42210	2211	2.882	-10.259	-0.459	-0.862	24.676	-74.788
42211_2211	42211	2211	-2.882	10.259	0.459	0.862	-24.676	74.788
42211_2212	42211	2212	2.882	-0.114	-0.459	-0.862	21.919	-43.662
42212_2212	42212	2212	-2.882	0.114	0.459	0.862	-21.919	43.662
42212_2213	42212	2213	2.882	10.03	-0.459	-0.862	19.163	-73.414
42213_2213	42213	2213	-2.882	-10.03	0.459	0.862	-19.163	73.414
42213_2214	42213	2214	2.882	20.175	-0.459	-0.862	16.407	-164.043
42214_2214	42214	2214	-2.886	20.107	0.467	0.828	-16.407	163.858
42214_2215	42214	2215	2.886	-6.581	-0.467	-0.828	12.671	-57.087
42215_2215	42215	2215	-2.886	6.581	0.467	0.827	-12.671	57.087
42215_2216	42215	2216	2.886	6.928	-0.467	-0.827	8.94	-58.471
42216_2216	42216	2216	-2.887	-6.928	0.463	0.755	-8.94	58.472
42216_2217	42216	2217	2.887	20.454	-0.463	-0.755	5.233	-168.016
42217_2217	42217	2217	-2.96	19.479	3.694	1.19	-5.233	168.179
42217_2218	42217	2218	2.96	-6.376	-3.694	-1.19	-23.402	-67.98
42218_2218	42218	2218	-2.965	6.376	3.69	1.102	23.402	67.981
42218_2219	42218	2219	2.965	6.728	-3.69	-1.102	-52.007	-69.345
42219_2219	42219	2219	-2.964	-6.728	3.691	1.107	52.007	69.341
42219_2220	42219	2220	2.964	22.79	-3.691	-1.107	-87.077	-209.57
42220_2220	42220	2220	-2.804	22.805	-3.347	1.902	87.077	209.462
42220_2221	42220	2221	2.804	-1.691	3.347	-1.902	-45.266	-56.483
42221_2221	42221	2221	-2.807	1.691	-3.345	1.947	45.266	56.482

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42221_2222	42221	2222	2.807	19.441	3.345	-1.947	-3.45	-167.42
42222_2222	42222	2222	-2.837	16.956	-0.685	2.596	3.45	167.585
42222_2223	42222	2223	2.837	5.443	0.685	-2.596	5.633	-91.312
42223_2223	42223	2223	-2.837	-5.443	-0.683	3.32	-5.633	90.257
42223_2224	42223	2224	2.837	26.147	0.683	-3.32	13.66	-275.852
42224_2224	42224	2224	-2.836	22.511	2.068	2.789	-13.66	276.02
42224_2225	42224	2225	2.836	-7.975	-2.068	-2.789	-3.398	-150.261
42225_2225	42225	2225	-2.837	7.975	2.066	2.711	3.398	150.248
42225_2226	42225	2226	2.837	20.535	-2.066	-2.711	-36.831	-251.865
42226_2226	42226	2226	-2.802	23.024	0.209	1.96	36.831	251.577
42226_2227	42226	2227	2.802	-1.51	-0.209	-1.96	-39.381	-101.789
42227_2227	42227	2227	-2.801	1.51	0.225	2.544	39.381	101.776
42227_2228	42227	2228	2.801	20.006	-0.225	-2.544	-42.128	-214.704
42228_2228	42228	2228	-2.81	22.237	0.681	0.287	42.128	214.725
42228_2229	42228	2229	2.81	-0.718	-0.681	-0.287	-50.445	-74.556
42229_2229	42229	2229	-2.81	0.718	0.683	0.348	50.445	74.556
42229_2230	42229	2230	2.81	20.801	-0.683	-0.348	-58.79	-197.192
42230_2230	42230	2230	-2.708	21.809	-1.665	-1.766	58.79	197.301
42230_2231	42230	2231	2.708	-0.132	1.665	1.766	-38.308	-62.329
42231_2231	42231	2231	-2.724	0.132	-1.638	-1.157	38.308	62.343
42231_2232	42231	2232	2.724	21.533	1.638	1.157	-18.163	-193.91
42232_2232	42232	2232	-2.779	21.722	-0.268	-3.219	18.163	193.694
42232_2233	42232	2233	2.779	2.925	0.268	3.219	-14.416	-62.225
42233_2233	42233	2233	-2.779	-2.925	-0.266	-3.169	14.416	62.206
42233_2234	42233	2234	2.779	21.138	0.266	3.169	-11.669	-186.574
42234_2234	42234	2234	-2.683	19.366	-2.276	-2.693	11.669	186.602
42234_2235	42234	2235	2.683	0.733	2.276	2.693	14.29	-80.327
42235_2235	42235	2235	-2.715	-0.733	-2.237	-1.884	-14.29	80.301
42235_2236	42235	2236	2.715	19.313	2.237	1.884	36.486	-179.747
42236_2236	42236	2236	-3.06	18.911	3.917	-1.806	-36.486	179.898
42236_2237	42236	2237	3.06	0.738	-3.917	1.806	-4.614	-84.557
42237_2237	42237	2237	-3.063	-0.738	3.915	-1.864	4.614	84.555
42237_2238	42237	2238	3.063	21.042	-3.915	1.864	-47.062	-202.637
42238_2238	42238	2238	-2.407	23.071	-4.17	0.028	47.062	202.744
42238_2239	42238	2239	2.407	-3.441	4.17	-0.028	-3.344	-63.787
42239_2239	42239	2239	-2.432	3.441	-4.156	0.415	3.344	63.785
42239_2240	42239	2240	2.432	22.797	4.156	-0.415	54.884	-199.396
42240_2240	42240	2240	-2.845	21.166	1.292	0.362	-54.884	199.369
42240_2241	42240	2241	2.845	-3.62	-1.292	-0.362	42.775	-83.247
42241_2241	42241	2241	-2.846	3.62	1.29	0.302	-42.775	83.247
42241_2242	42241	2242	2.846	15.576	-1.29	-0.302	29.548	-144.527
42242_2242	42242	2242	-2.899	17.924	2.136	0.761	-29.548	144.638
42242_2243	42242	2243	2.899	0.521	-2.136	-0.761	8.504	-58.923
42243_2243	42243	2243	-2.898	-0.521	2.138	0.788	-8.504	58.923
42243_2244	42243	2244	2.898	18.835	-2.138	-0.788	-12.404	-153.576
42244_2244	42244	2244	-2.787	19.178	0.505	0.523	12.404	153.528
42244_2245	42244	2245	2.787	-2.073	-0.505	-0.523	-17.02	-56.466
42245_2245	42245	2245	-2.784	2.073	0.522	0.853	17.02	56.462
42245_2246	42245	2246	2.784	17.557	-0.522	-0.853	-22.487	-137.618
42246_2246	42246	2246	-2.756	16.226	-0.019	0.21	22.487	137.582
42246_2247	42246	2247	2.756	3.028	0.019	-0.21	-22.292	-69.729
42247_2247	42247	2247	-2.756	-3.028	-0.018	0.236	22.292	69.729
42247_2248	42247	2248	2.756	20.535	0.018	-0.236	-22.124	-179.876

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42248_2248	42248	2248	-2.74	22.093	-1.077	0.072	22.124	179.549
42248_2249	42248	2249	2.74	1.782	1.077	-0.072	-8.398	-50.067
42249_2249	42249	2249	-2.756	-1.782	-1.037	0.803	8.398	50.052
42249_2250	42249	2250	2.756	23.769	1.037	-0.803	3.773	-200.061
42250_2250	42250	2250	-2.529	21.284	-8.282	1.074	-3.773	200.073
42250_2251	42250	2251	2.529	4.786	8.282	-1.074	119.079	-85.23
42251_2251	42251	2251	-2.523	-4.786	-8.284	1.019	-119.079	85.231
42251_2252	42251	2252	2.523	19.211	8.284	-1.019	182.897	-177.664
42252_2252	42252	2252	-3.747	19.525	27.661	-0.2	-182.897	177.538
42252_2253	42252	2253	3.747	-0.604	-27.661	0.2	-96.61	-75.839
42253_2253	42253	2253	-3.577	0.604	27.684	0.268	96.61	75.839
42253_2254	42253	2254	3.577	22.207	-27.684	-0.268	-433.831	-207.415
42254_2254	42254	2254	0.329	18.551	-26.557	2.944	433.831	207.45
42254_2255	42254	2255	-0.329	-0.738	26.557	-2.944	-194.459	-120.522
42255_2255	42255	2255	0.351	0.738	-26.557	2.846	194.459	120.524
42255_2256	42255	2256	-0.351	28.564	26.557	-2.846	199.29	-326.806
42256_2256	42256	2256	-0.274	24.102	6.221	-2.636	-199.29	326.75
42256_2257	42256	2257	0.274	-1.994	-6.221	2.636	129.694	-180.782
42257_2257	42257	2257	-0.234	1.994	6.223	-1.46	-129.694	180.795
42257_2258	42257	2258	0.234	21.443	-6.223	1.46	55.894	-296.119
42258_2258	42258	2258	-0.165	22.355	0.625	-0.741	-55.894	296.335
42258_2259	42258	2259	0.165	0.562	-0.625	0.741	48.652	-169.981
42259_2259	42259	2259	-0.165	-0.562	0.624	-0.801	-48.652	169.981
42259_2260	42259	2260	0.165	23.219	-0.624	0.801	41.493	-306.302
42260_2260	42260	2260	-0.137	21.59	-3.835	-3.197	-41.493	306.197
42260_2261	42260	2261	0.137	1.425	3.835	3.197	86.155	-188.777
42261_2261	42261	2261	-0.188	-1.425	-3.833	-0.704	-86.155	188.803
42261_2262	42261	2262	0.188	23.96	3.833	0.704	129.862	-333.537
42262_2262	42262	2262	-0.149	22.87	1.62	-5.021	-129.862	333.472
42262_2263	42262	2263	0.149	2.078	-1.62	5.021	109.408	-202.241
42263_2263	42263	2263	-0.15	-2.078	1.62	-5.109	-109.408	202.239
42263_2264	42263	2264	0.15	25.329	-1.62	5.109	90.345	-363.467
42264_2264	42264	2264	-0.202	23.251	-7.414	-6.759	-90.345	363.821
42264_2265	42264	2265	0.202	2.003	7.414	6.759	185.086	-228.059
42265_2265	42265	2265	-0.248	-2.003	-7.413	-5.331	-185.086	228.096
42265_2266	42265	2266	0.248	25.282	7.413	5.331	272.399	-388.796
42266_2266	42266	2266	0.02	27.083	9.065	-5.488	-272.399	388.669
42266_2267	42266	2267	-0.02	-6.504	-9.065	5.488	178.002	-213.799
42267_2267	42267	2267	0.035	6.504	9.065	-5.139	-178.002	213.808
42267_2268	42267	2268	-0.035	12.122	-9.065	5.139	92.566	-240.279
42268_2268	42268	2268	-0.01	22.186	2.407	-1.291	-92.566	240.244
42268_2269	42268	2269	0.01	0.041	-2.407	1.291	65.924	-117.664
42269_2269	42269	2269	0.025	-0.041	2.406	0.432	-65.924	117.67
42269_2270	42269	2270	-0.025	26.612	-2.406	-0.432	34.077	-294.038
42270_2270	42270	2270	0.036	36.548	1.397	0.597	-34.077	294.143
42270_2271	42270	2271	-0.036	-13.106	-1.397	-0.597	17.768	-4.277
42271_2271	42271	2271	0.036	13.106	1.397	0.595	-17.768	4.277
42271_2272	42271	2272	-0.036	12.432	-1.397	-0.595	0	0.005
42372_2372	42372	2372	0.095	8.688	-0.783	0.863	0	0.006
42372_2373	42372	2373	-0.095	9.771	0.783	-0.863	9.668	-6.692
42373_2373	42373	2373	0.096	-9.771	-0.783	0.857	-9.668	6.693
42373_2374	42373	2374	-0.096	27.816	0.783	-0.857	19.119	-233.673
42374_2374	42374	2374	0.083	20.621	0.485	1.284	-19.119	233.01

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42374_2375	42374	2375	-0.083	-2.376	-0.485	-1.284	13.202	-92.61
42375_2375	42375	2375	0.083	2.376	0.485	1.245	-13.202	92.61
42375_2376	42375	2376	-0.083	13.531	-0.485	-1.245	8.043	-151.986
42376_2376	42376	2376	0.062	15.205	1.326	0.522	-8.043	151.886
42376_2377	42376	2377	-0.062	1.566	-1.326	-0.522	-6.842	-75.341
42377_2377	42377	2377	0.08	-1.566	1.325	1.557	6.842	75.327
42377_2378	42377	2378	-0.08	17.375	-1.325	-1.557	-20.863	-175.532
42378_2378	42378	2378	0.061	18.061	-1.17	1.078	20.863	175.527
42378_2379	42378	2379	-0.061	1.344	1.17	-1.078	-5.672	-66.974
42379_2379	42379	2379	0.06	-1.344	-1.17	1.133	5.672	66.974
42379_2380	42379	2380	-0.06	18.164	1.17	-1.133	7.496	-176.777
42380_2380	42380	2380	0.069	15.021	1.437	0.614	-7.496	176.812
42380_2381	42380	2381	-0.069	1.415	-1.437	-0.614	-8.313	-101.977
42381_2381	42381	2381	0.08	-1.415	1.437	1.352	8.313	101.97
42381_2382	42381	2382	-0.08	16.122	-1.437	-1.352	-22.453	-188.282
42382_2382	42382	2382	0.075	18.385	-2.131	2.022	22.453	187.85
42382_2383	42382	2383	-0.075	0.261	2.131	-2.022	4.144	-74.761
42383_2383	42383	2383	0.076	-0.261	-2.131	1.984	-4.144	74.762
42383_2384	42383	2384	-0.076	16.997	2.131	-1.984	28.015	-171.418
42384_2384	42384	2384	0.079	18.427	0.635	3.237	-28.015	171.618
42384_2385	42384	2385	-0.079	-2.266	-0.635	-3.237	21.094	-58.775
42385_2385	42385	2385	0.078	2.266	0.635	3.175	-21.094	58.779
42385_2386	42385	2386	-0.078	15.558	-0.635	-3.175	13.459	-138.72
42386_2386	42386	2386	0.082	18.429	0.659	3.032	-13.459	138.601
42386_2387	42386	2387	-0.082	-0.093	-0.659	-3.032	5.304	-23.999
42387_2387	42387	2387	0.089	0.093	0.658	3.254	-5.304	23.97
42387_2388	42387	2388	-0.089	17.765	-0.658	-3.254	-2.628	-130.465
42388_2388	42388	2388	0.09	18.629	0.809	2.742	2.628	130.53
42388_2389	42388	2389	-0.09	0.721	-0.809	-2.742	-13.199	-13.603
42389_2389	42389	2389	0.089	-0.721	0.81	2.727	13.199	13.606
42389_2390	42389	2390	-0.089	17.558	-0.81	-2.727	-22.398	-117.454
42390_2390	42390	2390	0.093	18.291	0.334	1.797	22.398	117.459
42390_2391	42390	2391	-0.093	1.541	-0.334	-1.797	-26.871	-5.365
42391_2391	42391	2391	0.096	-1.541	0.333	1.844	26.871	5.349
42391_2392	42391	2392	-0.096	17.908	-0.333	-1.844	-30.553	-112.76
42392_2392	42392	2392	0.095	17.889	0.452	0.66	30.553	112.498
42392_2393	42392	2393	-0.095	1.223	-0.452	-0.66	-36.38	-5.021
42393_2393	42393	2393	0.095	-1.223	0.452	0.658	36.38	5.021
42393_2394	42393	2394	-0.095	18.291	-0.452	-0.658	-41.584	-117.406
42394_2394	42394	2394	0.096	17.936	0.522	-0.682	41.584	117.692
42394_2395	42394	2395	-0.096	-0.348	-0.522	0.682	-47.784	-9.183
42395_2395	42395	2395	0.101	0.348	0.521	-0.589	47.784	9.189
42395_2396	42395	2396	-0.101	18.265	-0.521	0.589	-54.333	-121.725
42396_2396	42396	2396	0.106	16.519	1.897	-1.938	54.333	121.58
42396_2397	42396	2397	-0.106	1.469	-1.897	1.938	-77.365	-30.233
42397_2397	42397	2397	0.107	-1.469	1.897	-1.929	77.365	30.233
42397_2398	42397	2398	-0.107	19.673	-1.897	1.929	-100.672	-160.095
42398_2398	42398	2398	0.098	19.331	-3.798	-3.441	100.672	160.102
42398_2399	42398	2399	-0.098	-0.404	3.798	3.441	-52.158	-34.056
42399_2399	42399	2399	0.08	0.404	-3.798	-3.277	52.158	34.072
42399_2400	42399	2400	-0.08	18.471	3.798	3.277	-3.773	-149.149
42400_2400	42400	2400	0.083	21.074	-0.257	-1.383	3.773	149.259
42400_2401	42400	2401	-0.083	0.67	0.257	1.383	0	0.445

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42572_2572	42572	2572	-0.025	8.753	-0.104	1.224	0	-0.027
42572_2573	42572	2573	0.025	9.726	0.104	-1.224	1.283	-5.986
42573_2573	42573	2573	-0.025	-9.726	-0.104	1.222	-1.283	5.987
42573_2574	42573	2574	0.025	27.642	0.104	-1.222	2.527	-230.016
42574_2574	42574	2574	-0.012	20.388	-0.552	0.89	-2.527	230.512
42574_2575	42574	2575	0.012	-2.426	0.552	-0.89	9.168	-93.377
42575_2575	42575	2575	-0.012	2.426	-0.552	0.926	-9.168	93.377
42575_2576	42575	2576	0.012	13.321	0.552	-0.926	14.989	-150.793
42576_2576	42576	2576	-0.062	15.259	1.523	0.524	-14.989	150.609
42576_2577	42576	2577	0.062	1.563	-1.523	-0.524	-2.159	-73.507
42577_2577	42577	2577	-0.042	-1.563	1.524	1.491	2.159	73.494
42577_2578	42577	2578	0.042	17.636	-1.524	-1.491	-18.549	-176.762
42578_2578	42578	2578	-0.082	17.909	-1.177	1.116	18.549	176.778
42578_2579	42578	2579	0.082	1.308	1.177	-1.116	-3.416	-70.021
42579_2579	42579	2579	-0.081	-1.308	-1.177	1.048	3.416	70.022
42579_2580	42579	2580	0.081	18.207	1.177	-1.048	9.893	-180.381
42580_2580	42580	2580	-0.06	15.287	1.814	0.895	-9.893	180.601
42580_2581	42580	2581	0.06	1.099	-1.814	-0.895	-10.005	-102.804
42581_2581	42581	2581	-0.05	-1.099	1.815	1.477	10.005	102.797
42581_2582	42581	2582	0.05	15.751	-1.815	-1.477	-27.8	-185.412
42582_2582	42582	2582	-0.126	18.521	-2.104	1.798	27.8	185.688
42582_2583	42582	2583	0.126	-0.097	2.104	-1.798	-1.855	-70.898
42583_2583	42583	2583	-0.125	0.097	-2.104	1.773	1.855	70.898
42583_2584	42583	2584	0.125	16.707	2.104	-1.773	21.807	-164.294
42584_2584	42584	2584	-0.12	18.246	-0.393	2.386	-21.807	164.472
42584_2585	42584	2585	0.12	-2.139	0.393	-2.386	26.076	-53.683
42585_2585	42585	2585	-0.119	2.139	-0.393	2.364	-26.076	53.684
42585_2586	42585	2586	0.119	15.632	0.393	-2.364	30.786	-134.597
42586_2586	42586	2586	-0.111	18.328	1.614	2.769	-30.786	134.896
42586_2587	42586	2587	0.111	-0.197	-1.614	-2.769	11.039	-21.56
42587_2587	42587	2587	-0.095	0.197	1.615	2.979	-11.039	21.532
42587_2588	42587	2588	0.095	17.761	-1.615	-2.979	-8.532	-127.961
42588_2588	42588	2588	-0.103	18.511	0.396	2.446	8.532	128.046
42588_2589	42588	2589	0.103	0.676	-0.396	-2.446	-13.658	-12.577
42589_2589	42589	2589	-0.103	-0.676	0.396	2.453	13.658	12.576
42589_2590	42589	2590	0.103	17.57	-0.396	-2.453	-18.172	-116.592
42590_2590	42590	2590	-0.1	18.209	0.449	1.618	18.172	116.516
42590_2591	42590	2591	0.1	1.511	-0.449	-1.618	-24.146	-5.402
42591_2591	42591	2591	-0.096	-1.511	0.45	1.66	24.146	5.389
42591_2592	42591	2592	0.096	17.867	-0.45	-1.66	-29.109	-112.338
42592_2592	42592	2592	-0.095	17.722	0.451	0.609	29.109	112.82
42592_2593	42592	2593	0.095	1.152	-0.451	-0.609	-34.857	-7.285
42593_2593	42593	2593	-0.094	-1.152	0.451	0.613	34.857	7.284
42593_2594	42593	2594	0.094	18.367	-0.451	-0.613	-40.101	-120.667
42594_2594	42594	2594	-0.092	17.932	0.422	-0.646	40.101	120.046
42594_2595	42594	2595	0.092	-0.355	-0.422	0.646	-45.11	-11.583
42595_2595	42595	2595	-0.087	0.355	0.423	-0.513	45.11	11.589
42595_2596	42595	2596	0.087	18.147	-0.423	0.513	-50.396	-122.673
42596_2596	42596	2596	-0.083	16.193	1.254	-1.566	50.396	122.66
42596_2597	42596	2597	0.083	1.77	-1.254	1.566	-65.596	-35.24
42597_2597	42597	2597	-0.083	-1.77	1.254	-1.555	65.596	35.24
42597_2598	42597	2598	0.083	19.888	-1.254	1.555	-80.928	-167.643
42598_2598	42598	2598	-0.085	19.998	-3.329	-2.194	80.928	167.438

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
42598_2599	42598	2599	0.085	-1.128	3.329	2.194	-38.532	-32.918
42599_2599	42599	2599	-0.104	1.128	-3.329	-2.01	38.532	32.929
42599_2600	42599	2600	0.104	17.694	3.329	2.01	3.749	-138.146
42600_2600	42600	2600	-0.094	20.602	0.329	-2.265	-3.749	137.891
42600_2601	42600	2601	0.094	-3.721	-0.329	2.265	0	0.653
43000_3000	43000	3000	4.399	457.204	1.729	7.187	0	21.579
43000_3001	43000	3001	-4.399	-413.706	-1.729	-7.187	-25.793	6473.975
43001_3001	43001	3001	4.401	413.706	1.724	-0.444	25.793	-6473.98
43001_3002	43001	3002	-4.401	-383.389	-1.724	0.444	-43.717	10617.57
43002_3002	43002	3002	4.372	326.103	-1.586	15.76	43.717	-10617.8
43002_3003	43002	3003	-4.372	-290.643	1.586	-15.76	-24.427	14367.72
43003_3003	43003	3003	4.37	290.643	-1.594	-9.175	24.427	-14367.7
43003_3004	43003	3004	-4.37	-255.161	1.594	9.175	-5.032	17688.35
43004_3004	43004	3004	4.388	212.435	0.893	11.083	5.032	-17688.7
43004_3005	43004	3005	-4.388	-176.96	-0.893	-11.083	-15.902	20057.3
43005_3005	43005	3005	4.389	176.96	0.889	-7.322	15.902	-20057.3
43005_3006	43005	3006	-4.389	-141.46	-0.889	7.322	-26.73	21995.52
43006_3006	43006	3006	4.38	98.052	-0.202	20.714	26.73	-21995.9
43006_3007	43006	3007	-4.38	-62.584	0.202	-20.714	-24.279	22972.76
43007_3007	43007	3007	4.379	62.584	-0.209	-19.078	24.279	-22972.8
43007_3008	43007	3008	-4.379	-27.095	0.209	19.078	-21.735	23518.48
43008_3008	43008	3008	4.389	-15.856	0.888	8.871	21.735	-23519.1
43008_3009	43008	3009	-4.389	51.339	-0.888	-8.871	-32.545	23110.31
43009_3009	43009	3009	4.39	-51.339	0.885	-9.986	32.545	-23110.3
43009_3010	43009	3010	-4.39	86.817	-0.885	9.986	-43.31	22269.86
43010_3010	43010	3010	4.382	-130.153	-0.165	15.136	43.31	-22270.2
43010_3011	43010	3011	-4.382	165.628	0.165	-15.136	-41.297	20471.06
43011_3011	43011	3011	4.382	-165.628	-0.173	-18.289	41.297	-20471.1
43011_3012	43011	3012	-4.382	201.096	0.173	18.289	-39.197	18240.79
43012_3012	43012	3012	4.382	-243.585	-0.101	3.592	39.197	-18241.2
43012_3013	43012	3013	-4.382	279.076	0.101	-3.592	-37.965	15060.61
43013_3013	43013	3013	4.382	-279.076	-0.105	-8.702	37.965	-15060.6
43013_3014	43013	3014	-4.382	314.563	0.105	8.702	-36.689	11448.42
43014_3014	43014	3014	4.384	-355.889	0.195	1.217	36.689	-11448.6
43014_3015	43014	3015	-4.384	403.874	-0.195	-1.217	-39.895	5197.498
43015_3015	43015	3015	8.97	-403.799	0.189	-6.681	39.832	-5194.8
43015_3016	43015	3016	-9.225	426.253	-0.189	6.681	-41.386	1774.209
43016_3016	43016	3016	19.886	-475.088	-0.277	-4.139	41.359	-1775.16
43016_3017	43016	3017	-20.939	507.192	0.277	4.139	-38.103	-3999.28
43017_3017	43017	3017	35.125	-506.406	-0.283	-0.723	38.257	3999.303
43017_3018	43017	3018	-37.492	545.257	0.283	0.723	-34.52	-10977.4
43018_3018	43018	3018	57.099	-593.219	2.554	-15.867	33.269	10977.36
43018_3019	43018	3019	-60.531	631.717	-2.554	15.867	-65.29	-18663
43019_3019	43019	3019	77.945	-629.804	2.547	11.797	68.266	18663.04
43019_3020	43019	3020	-82.74	670.759	-2.547	-11.797	-100.268	-26844.5
43020_3020	43020	3020	-2492.25	206.409	-15.592	-6.104	365.818	5720.361
43020_3021	43020	3021	2492.246	-179.853	15.592	6.104	-217.793	-3886.8
43021_3021	43021	3021	-2492.27	179.853	-10.827	2.672	217.793	3870.311
43021_3022	43021	3022	2492.271	-160.276	10.827	-2.672	-133.855	-2551.9
43022_3022	43022	3022	-2492.27	160.276	-10.827	2.672	133.855	2551.895
43022_3023	43022	3023	2492.271	-140.699	10.827	-2.672	-49.918	-1385.25
43023_3023	43023	3023	-2492.31	93.787	-9.09	-0.643	49.918	1385.297
43023_3024	43023	3024	2492.305	-73.579	9.09	0.643	22.825	-715.657

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43024_3024	43024	3024	-2492.31	73.579	-9.09	-0.643	-22.825	715.657
43024_3025	43024	3025	2492.305	-53.371	9.09	0.643	95.568	-207.722
43025_3025	43025	3025	-2492.31	53.371	-6.308	-0.411	-95.568	207.723
43025_3026	43025	3026	2492.313	-33.191	6.308	0.411	145.973	138.143
43026_3026	43026	3026	-2492.3	-13.322	-5.247	-0.819	-145.973	-138.228
43026_3027	43026	3027	2492.296	28.477	5.247	0.819	177.459	12.808
43027_3027	43027	3027	-2492.3	-28.477	-1.114	-0.84	-177.459	-12.807
43027_3028	43027	3028	2492.301	43.629	1.114	0.84	184.145	-203.513
43028_3028	43028	3028	-2492.3	-43.629	-1.114	-0.84	-184.145	203.513
43028_3029	43028	3029	2492.301	58.781	1.114	0.84	190.832	-510.745
43029_3029	43029	3029	-2492.3	-58.781	3.019	0.007	-190.832	510.746
43029_3030	43029	3030	2492.3	73.93	-3.019	-0.007	172.719	-908.819
43030_3030	43030	3030	-2492.31	-120.836	1.519	-3.439	-172.719	908.772
43030_3031	43030	3031	2492.306	141.062	-1.519	3.439	160.553	-1957.55
43031_3031	43031	3031	-2492.3	-141.062	4.313	-1.245	-160.553	1957.552
43031_3032	43031	3032	2492.302	161.259	-4.313	1.245	126.06	-3166.55
43032_3032	43032	3032	-2492.3	-161.259	7.414	2.696	-126.06	3166.551
43032_3033	43032	3033	2492.295	181.455	-7.414	-2.696	66.768	-4536.92
43033_3033	43033	3033	-2492.29	-230.242	7.032	-11.063	-66.768	4537.061
43033_3034	43033	3034	2492.286	249.804	-7.032	11.063	12.292	-6396.38
43034_3034	43034	3034	-2492.26	-249.804	13.741	6.155	-12.292	6396.383
43034_3035	43034	3035	2492.258	269.387	-13.741	-6.155	-94.264	-8409.4
43035_3035	43035	3035	-2492.27	-269.387	12.314	2.138	94.264	8426.741
43035_3036	43035	3036	2492.266	295.967	-12.314	-2.138	-211.28	-11112.9
43036_3036	43036	3036	80.627	559.689	-0.558	-11.6	-9.678	33661.35
43036_3037	43036	3037	-75.833	-518.757	0.558	11.6	16.672	-26881.4
43037_3037	43037	3037	61.455	520.671	-0.571	12.159	-19.057	26881.43
43037_3038	43037	3038	-58.023	-482.174	0.571	-12.159	26.21	-20589.7
43038_3038	43038	3038	41.929	440.449	0.186	-3.89	-24.873	20590.45
43038_3039	43038	3039	-39.562	-401.613	-0.186	3.89	22.409	-15005.6
43039_3039	43039	3039	27.698	402.555	0.166	15.563	-23.033	14988.72
43039_3040	43039	3040	-26.657	-370.79	-0.166	-15.563	21.079	-10441
43040_3040	43040	3040	18.561	316.747	1.41	-3.541	-20.642	10441.58
43040_3041	43040	3041	-18.31	-294.703	-1.41	3.541	9.005	-7918.55
43041_3041	43041	3041	15.167	294.942	1.394	4.229	-9.032	7913.091
43041_3042	43041	3042	-15.167	-256.621	-1.394	-4.229	-13.295	-3497.46
43042_3042	43042	3042	15.153	211.055	-0.321	1.155	13.295	3497.551
43042_3043	43042	3043	-15.153	-182.446	0.321	-1.155	-9.458	-1145.67
43043_3043	43043	3043	15.153	182.446	-0.334	2.11	9.458	1145.67
43043_3044	43043	3044	-15.153	-153.839	0.334	-2.11	-5.471	864.095
43044_3044	43044	3044	15.159	113.562	0.233	2.68	5.471	-864.114
43044_3045	43044	3045	-15.159	-84.957	-0.233	-2.68	-8.255	2050.453
43045_3045	43045	3045	15.159	84.957	0.207	-0.88	8.255	-2050.46
43045_3046	43045	3046	-15.159	-56.332	-0.207	0.88	-10.726	2895.377
43046_3046	43046	3046	15.157	15.753	-0.077	0.166	10.726	-2895.43
43046_3047	43046	3047	-15.157	12.845	0.077	-0.166	-9.809	2912.801
43047_3047	43047	3047	15.157	-12.845	-0.078	-0.03	9.809	-2912.8
43047_3048	43047	3048	-15.157	41.466	0.078	0.03	-8.88	2588.065
43048_3048	43048	3048	15.156	-82.394	-0.215	-0.736	8.88	-2588.12
43048_3049	43048	3049	-15.156	111.009	0.215	0.736	-6.311	1431.933
43049_3049	43049	3049	15.156	-111.009	-0.214	-0.643	6.311	-1431.93
43049_3050	43049	3050	-15.156	139.601	0.214	0.643	-3.757	-64.993
43050_3050	43050	3050	15.148	-181.843	-0.774	-1.523	3.757	64.995

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43050_3051	43050	3051	-15.148	220.127	0.774	1.523	8.621	-3279.91
43051_3051	43051	3051	17.848	-219.882	-0.782	0.195	-8.616	3281.799
43051_3052	43051	3052	-18.079	240.236	0.782	-0.195	15.068	-5180.63
43052_3052	43052	3052	25.135	-288.184	0.091	-2.782	-15.158	5180.63
43052_3053	43052	3053	-26.095	317.453	-0.091	2.782	14.083	-8740.85
43053_3053	43053	3053	35.275	-316.504	0.081	3.157	-13.803	8743.369
43053_3054	43053	3054	-37.57	354.044	-0.081	-3.157	12.729	-13191.2
43054_3054	43054	3054	51.815	-398.839	2.627	-14.386	-14.23	13191.12
43054_3055	43054	3055	-55.132	435.957	-2.627	14.386	-18.707	-18429
43055_3055	43055	3055	67.265	-434.221	2.602	14.283	21.781	18429.02
43055_3056	43055	3056	-71.883	473.591	-2.602	-14.283	-54.487	-24140.6
43056_3056	43056	3056	-2038.28	269.797	-9.147	-3.148	156.697	8131.618
43056_3057	43056	3057	2038.275	-244.041	9.147	3.148	-69.777	-5690.31
43057_3057	43057	3057	-2038.29	244.041	-6.52	4.357	69.777	5657.224
43057_3058	43057	3058	2038.285	-223.503	6.52	-4.357	-19.266	-3846.08
43058_3058	43058	3058	-2038.29	223.503	-6.52	4.357	19.266	3846.082
43058_3059	43058	3059	2038.285	-202.964	6.52	-4.357	31.246	-2194.06
43059_3059	43059	3059	-2038.3	157.128	-7.028	0.191	-31.246	2194.084
43059_3060	43059	3060	2038.304	-135.899	7.028	-0.191	87.522	-1020.87
43060_3060	43060	3060	-2038.31	135.899	-4.653	1.38	-87.522	1020.868
43060_3061	43060	3061	2038.31	-114.7	4.653	-1.38	124.734	-18.857
43061_3061	43061	3061	-2038.31	114.7	-4.653	1.38	-124.734	18.857
43061_3062	43061	3062	2038.31	-93.5	4.653	-1.38	161.946	813.62
43062_3062	43062	3062	-2038.3	49.052	0.735	1.319	-161.946	-813.68
43062_3063	43062	3063	2038.299	-33.141	-0.735	-1.319	157.535	1060.343
43063_3063	43063	3063	-2038.3	33.141	0.735	1.319	-157.535	-1060.34
43063_3064	43063	3064	2038.299	-17.229	-0.735	-1.319	153.124	1211.504
43064_3064	43064	3064	-2038.3	17.229	0.735	1.319	-153.124	-1211.5
43064_3065	43064	3065	2038.299	-1.318	-0.735	-1.319	148.713	1267.164
43065_3065	43065	3065	-2038.3	1.318	3.915	-0.657	-148.713	-1267.17
43065_3066	43065	3066	2038.295	14.566	-3.915	0.657	125.258	1227.478
43066_3066	43066	3066	-2038.29	-59.173	5.015	0.683	-125.258	-1227.58
43066_3067	43066	3067	2038.291	80.394	-5.015	-0.683	85.116	668.965
43067_3067	43067	3067	-2038.29	-80.394	5.015	0.683	-85.116	-668.965
43067_3068	43067	3068	2038.291	101.616	-5.015	-0.683	44.973	-59.53
43068_3068	43068	3068	-2038.27	-101.616	9.949	0.827	-44.973	59.528
43068_3069	43068	3069	2038.273	122.807	-9.949	-0.827	-34.554	-956.527
43069_3069	43069	3069	-2038.27	-167.328	9.403	-3.85	34.554	956.539
43069_3070	43069	3070	2038.272	187.883	-9.403	3.85	-107.464	-2333.63
43070_3070	43070	3070	-2038.26	-187.883	11.875	-1.021	107.464	2333.636
43070_3071	43070	3071	2038.259	208.41	-11.875	1.021	-199.411	-3867.9
43071_3071	43071	3071	-2038.24	-208.41	14.542	4.576	199.411	3897.34
43071_3072	43071	3072	2038.242	234.174	-14.542	-4.576	-337.634	-6000.8
43072_3072	43072	3072	77.89	511.523	-1.872	-3.568	60.932	21714.38
43072_3073	43072	3073	-73.272	-472.155	1.872	3.568	-37.411	-15526.7
43073_3073	43073	3073	60.172	474.023	-1.886	7.766	36.127	15526.7
43073_3074	43073	3074	-56.855	-436.914	1.886	-7.766	-12.486	-9812.83
43074_3074	43074	3074	42.026	396.945	-0.082	3.73	12.967	9813.19
43074_3075	43074	3075	-39.732	-359.393	0.082	-3.73	-11.874	-4794.93
43075_3075	43075	3075	28.825	360.452	-0.112	10.498	11.794	4795.981
43075_3076	43075	3076	-27.897	-332.129	0.112	-10.498	-10.476	-723.466
43076_3076	43076	3076	20.576	283.055	1.122	2.156	10.67	723.688
43076_3077	43076	3077	-20.352	-263.401	-1.122	-2.156	-19.92	1528.128

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43077_3077	43077	3077	17.489	263.649	1.087	-0.738	19.962	-1532.45
43077_3078	43077	3078	-17.489	-226.863	-1.087	0.738	-35.781	5100.515
43078_3078	43078	3078	17.478	187.66	-0.285	1.708	35.781	-5100.63
43078_3079	43078	3079	-17.478	-159.257	0.285	-1.708	-32.581	7049.091
43079_3079	43079	3079	17.478	159.257	-0.285	1.708	32.581	-7049.09
43079_3080	43079	3080	-17.478	-130.853	0.285	-1.708	-29.382	8678.49
43080_3080	43080	3080	17.477	94.966	-0.263	5.092	29.382	-8678.66
43080_3081	43080	3081	-17.477	-66.539	0.263	-5.092	-26.427	9586.482
43081_3081	43081	3081	17.476	66.539	-0.278	-3.039	26.427	-9586.48
43081_3082	43081	3082	-17.476	-38.139	0.278	3.039	-23.309	10174.34
43082_3082	43082	3082	17.477	-0.46	-0.17	4.514	23.309	-10174.5
43082_3083	43082	3083	-17.477	30.984	0.17	-4.514	-21.252	9984.734
43083_3083	43083	3083	17.477	-30.984	-0.186	-4.105	21.252	-9984.73
43083_3084	43083	3084	-17.477	61.533	0.186	4.105	-19.01	9425.874
43084_3084	43084	3084	17.478	-100.175	-0.133	3.149	19.01	-9426.03
43084_3085	43084	3085	-17.478	128.571	0.133	-3.149	-17.519	8141.637
43085_3085	43085	3085	17.477	-128.571	-0.149	-4.391	17.519	-8141.64
43085_3086	43085	3086	-17.477	156.991	0.149	4.391	-15.845	6536.859
43086_3086	43086	3086	17.475	-194.134	-0.365	0.508	15.845	-6537.01
43086_3087	43086	3087	-17.475	222.552	0.365	-0.508	-11.74	4195.517
43087_3087	43087	3087	17.475	-222.552	-0.38	-3.079	11.74	-4195.52
43087_3088	43087	3088	-17.475	250.944	0.38	3.079	-7.472	1537.251
43088_3088	43088	3088	17.472	-288.549	-0.738	-2.7	7.472	-1537.27
43088_3089	43088	3089	-17.472	323.923	0.738	2.7	2.854	-2746.87
43089_3089	43089	3089	21.24	-323.672	-0.753	-0.248	-2.853	2753.109
43089_3090	43089	3090	-21.476	344.481	0.753	0.248	9.066	-5511.19
43090_3090	43090	3090	30.427	-388.004	-1.035	-6.646	-9.27	5511.211
43090_3091	43090	3091	-31.408	417.902	1.035	6.646	21.434	-10246.9
43091_3091	43091	3091	43.245	-416.797	-1.051	2.854	-21.058	10246.01
43091_3092	43091	3092	-45.495	453.723	1.051	-2.854	35.006	-16021.5
43092_3092	43092	3092	62.389	-498.534	2.472	-10.063	-36.119	16021.4
43092_3093	43092	3093	-65.646	535.078	-2.472	10.063	5.105	-22508.8
43093_3093	43093	3093	80.486	-533.029	2.459	7.357	-3.346	22508.77
43093_3094	43093	3094	-85.027	571.8	-2.459	-7.357	-27.549	-29456.9
43094_3094	43094	3094	-2350.16	239.383	-7.11	-8.059	63.55	8771.402
43094_3095	43094	3095	2350.157	-214.067	7.11	8.059	4.031	-6616.51
43095_3095	43095	3095	-2350.17	214.067	-2.173	5.969	-4.031	6618.75
43095_3096	43095	3096	2350.167	-194.035	2.173	-5.969	20.86	-5038.76
43096_3096	43096	3096	-2350.17	194.035	-2.087	6.153	-20.86	5038.757
43096_3097	43096	3097	2350.167	-173.977	2.087	-6.153	37.043	-3612.14
43097_3097	43097	3097	-2350.18	130.056	-2.362	-2.241	-37.043	3612.191
43097_3098	43097	3098	2350.18	-109.351	2.362	2.241	55.944	-2654.2
43098_3098	43098	3098	-2350.18	109.351	0.497	0.987	-55.944	2654.203
43098_3099	43098	3099	2350.181	-88.673	-0.497	-0.987	51.973	-1862.83
43099_3099	43099	3099	-2350.18	88.673	0.574	1.049	-51.973	1862.825
43099_3100	43099	3100	2350.181	-67.969	-0.574	-1.049	47.379	-1236.04
43100_3100	43100	3100	-2350.14	24.898	8.879	4.124	-47.379	1236.016
43100_3101	43100	3101	2350.136	-9.37	-8.879	-4.124	-5.909	-1133.18
43101_3101	43101	3101	-2350.14	9.37	8.879	4.124	5.909	1133.18
43101_3102	43101	3102	2350.136	6.157	-8.879	-4.124	-59.198	-1123.54
43102_3102	43102	3102	-2350.13	-6.157	-10.82	-5.293	59.198	1123.534
43102_3103	43102	3103	2350.127	21.663	10.82	5.293	5.648	-1206.9
43103_3103	43103	3103	-2350.14	-21.663	-6.776	-3.217	-5.648	1206.91

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43103_3104	43103	3104	2350.143	37.193	6.776	3.217	46.327	-1383.57
43104_3104	43104	3104	-2350.14	-80.335	-1.673	-1.804	-46.327	1383.57
43104_3105	43104	3105	2350.139	101.042	1.673	1.804	59.717	-2109.43
43105_3105	43105	3105	-2350.14	-101.042	1.174	0.751	-59.717	2109.432
43105_3106	43105	3106	2350.139	121.722	-1.174	-0.751	50.333	-2999.78
43106_3106	43106	3106	-2350.14	-121.722	1.262	0.863	-50.333	2999.776
43106_3107	43106	3107	2350.139	142.428	-1.262	-0.863	40.232	-4056.86
43107_3107	43107	3107	-2350.14	-185.809	4.186	-3.427	-40.232	4056.912
43107_3108	43107	3108	2350.137	205.867	-4.186	3.427	7.776	-5575.27
43108_3108	43108	3108	-2350.14	-205.867	4.1	-3.631	-7.776	5575.267
43108_3109	43108	3109	2350.137	225.899	-4.1	3.631	-23.972	-7246.88
43109_3109	43109	3109	-2350.13	-225.899	6.578	4.214	23.972	7243.897
43109_3110	43109	3110	2350.132	251.213	-6.578	-4.214	-86.49	-9511.03
43110_3110	43110	3110	94.275	554.519	-2.324	-18.038	42.301	30446.84
43110_3111	43110	3111	-89.734	-515.754	2.324	18.038	-13.107	-23717.6
43111_3111	43111	3111	75.408	518.061	-2.371	19.864	9.132	23717.57
43111_3112	43111	3112	-72.151	-481.524	2.371	-19.864	20.604	-17445.5
43112_3112	43112	3112	56.165	442.324	0.834	-1.865	-18.675	17445.87
43112_3113	43112	3113	-53.915	-405.38	-0.834	1.865	7.602	-11819.5
43113_3113	43113	3113	41.876	406.806	0.798	12.423	-8.044	11821.85
43113_3114	43113	3114	-40.905	-377.217	-0.798	-12.423	-1.33	-7216.67
43114_3114	43114	3114	32.65	329.133	0.607	2.212	1.624	7216.849
43114_3115	43114	3115	-32.416	-308.543	-0.607	-2.212	-6.636	-4585.78
43115_3115	43115	3115	29.084	308.918	0.61	1.691	6.653	4575.07
43115_3116	43115	3116	-29.084	-274.771	-0.61	-1.691	-15.496	-342.421
43116_3116	43116	3116	29.084	235.602	-0.343	3.879	15.496	342.405
43116_3117	43116	3117	-29.084	-209.133	0.343	-3.879	-11.637	2157.443
43117_3117	43117	3117	29.084	209.133	-0.395	0.074	11.637	-2157.45
43117_3118	43117	3118	-29.084	-182.69	0.395	-0.074	-7.204	4357.848
43118_3118	43118	3118	29.085	147.68	0.12	6.686	7.204	-4357.86
43118_3119	43118	3119	-29.085	-121.236	-0.12	-6.686	-8.553	5868.047
43119_3119	43119	3119	29.085	121.236	0.068	-3.762	8.553	-5868.05
43119_3120	43119	3120	-29.085	-94.793	-0.068	3.762	-9.32	7081.195
43120_3120	43120	3120	29.084	57.227	-0.23	3.836	9.32	-7081.18
43120_3121	43120	3121	-29.084	-28.806	0.23	-3.836	-6.541	7600.448
43121_3121	43121	3121	29.084	28.806	-0.254	-2.46	6.541	-7600.45
43121_3122	43121	3122	-29.084	-0.386	0.254	2.46	-3.471	7776.641
43122_3122	43122	3122	29.084	-37.68	-0.033	2.999	3.471	-7776.64
43122_3123	43122	3123	-29.084	64.122	0.033	-2.999	-3.099	7204.983
43123_3123	43123	3123	29.084	-64.122	-0.059	-3.484	3.099	-7204.98
43123_3124	43123	3124	-29.084	90.587	0.059	3.484	-2.433	6335.469
43124_3124	43124	3124	29.084	-127.941	-0.322	3.145	2.433	-6335.47
43124_3125	43124	3125	-29.084	154.383	0.322	-3.145	1.187	4750.145
43125_3125	43125	3125	29.083	-154.383	-0.374	-5.314	-1.187	-4750.14
43125_3126	43125	3126	-29.083	180.824	0.374	5.314	5.389	2867.901
43126_3126	43126	3126	29.079	-219.241	-0.604	-1.911	-5.389	-2867.93
43126_3127	43126	3127	-29.079	251.756	0.604	1.911	13.728	-384.392
43127_3127	43127	3127	32.083	-251.38	-0.638	-1.153	-13.738	393.009
43127_3128	43127	3128	-32.297	270.284	0.638	1.153	19.003	-2545.01
43128_3128	43128	3128	39.883	-317.561	-2.843	-7.415	-19.221	2544.88
43128_3129	43128	3129	-40.776	344.771	2.843	7.415	52.641	-6437.89
43129_3129	43129	3129	50.595	-343.415	-2.904	7.897	-51.975	6434.278
43129_3130	43129	3130	-52.774	379.185	2.904	-7.897	90.498	-11229.1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43130_3130	43130	3130	67.622	-423.755	7.978	-6.269	-91.695	11228.99
43130_3131	43130	3131	-70.781	459.184	-7.978	6.269	-8.305	-16767.9
43131_3131	43131	3131	87.252	-456.316	7.958	4.934	9.532	16767.88
43131_3132	43131	3132	-91.665	491.529	-7.958	-4.934	-103.015	-22345.3
43132_3132	43132	3132	-2050.09	218.425	15.116	13.815	-128.414	6321.898
43132_3133	43132	3133	2050.094	-191.894	-15.116	-13.815	-27.276	-4208.76
43133_3133	43133	3133	-2050.11	191.894	12.47	10.803	27.276	4235.267
43133_3134	43133	3134	2050.111	-173.643	-12.47	-10.803	-123.921	-2818.81
43134_3134	43134	3134	-2050.12	173.643	-11.234	-21.79	123.921	2818.746
43134_3135	43134	3135	2050.118	-155.32	11.234	21.79	-36.511	-1538.97
43135_3135	43135	3135	-2050.38	114.87	0.334	0.006	36.511	1539.392
43135_3136	43135	3136	2050.382	-96.029	-0.334	-0.006	-39.186	-695.685
43136_3136	43136	3136	-2050.38	96.029	0.334	0.006	39.186	695.685
43136_3137	43136	3137	2050.382	-77.187	-0.334	-0.006	-41.861	-2.732
43137_3137	43137	3137	-2050.38	77.187	2.858	0.009	41.861	2.732
43137_3138	43137	3138	2050.38	-58.369	-2.858	-0.009	-64.701	538.873
43138_3138	43138	3138	-2050.34	17.507	-3.086	0.294	64.701	-538.958
43138_3139	43138	3139	2050.338	-3.376	3.086	-0.294	-46.183	601.617
43139_3139	43139	3139	-2050.34	3.376	-3.086	0.294	46.183	-601.617
43139_3140	43139	3140	2050.338	10.755	3.086	-0.294	-27.664	579.476
43140_3140	43140	3140	-2050.34	-10.755	0.33	-0.671	27.664	-579.475
43140_3141	43140	3141	2050.34	24.887	-0.33	0.671	-29.646	472.537
43141_3141	43141	3141	-2050.34	-24.887	-3.086	0.116	29.646	-472.538
43141_3142	43141	3142	2050.338	39.018	3.086	-0.116	-11.128	280.797
43142_3142	43142	3142	-2050.34	-81.084	-2.353	-0.037	11.128	-280.875
43142_3143	43142	3143	2050.339	99.926	2.353	0.037	7.696	-443.257
43143_3143	43143	3143	-2050.34	-99.926	0.21	0.517	-7.696	443.257
43143_3144	43143	3144	2050.34	118.767	-0.21	-0.517	6.018	-1318.13
43144_3144	43144	3144	-2050.34	-118.767	-2.353	-1.13	-6.018	1318.125
43144_3145	43144	3145	2050.339	137.609	2.353	1.13	24.841	-2343.76
43145_3145	43145	3145	-2050.37	-181.645	1.156	0.772	-24.841	2343.765
43145_3146	43145	3146	2050.368	199.898	-1.156	-0.772	15.884	-3822.42
43146_3146	43146	3146	-2050.37	-199.898	-1.489	-4.159	-15.884	3822.422
43146_3147	43146	3147	2050.368	218.151	1.489	4.159	27.429	-5442.59
43147_3147	43147	3147	-2050.37	-218.151	0.529	1.921	-27.429	5419.438
43147_3148	43147	3148	2050.368	242.625	-0.529	-1.921	22.402	-7608.4
43148_3148	43148	3148	105.83	477.731	-1.363	0.676	1.639	24354.93
43148_3149	43148	3149	-101.418	-440.07	1.363	-0.676	15.479	-18585.7
43149_3149	43149	3149	89.165	442.722	-1.364	1.326	-15.479	18585.68
43149_3150	43149	3150	-86.006	-407.289	1.364	-1.326	32.58	-13253.2
43150_3150	43150	3150	71.913	366.671	-0.107	1.073	-32.48	13253.13
43150_3151	43150	3151	-69.734	-330.896	0.107	-1.073	33.902	-8624.1
43151_3151	43151	3151	59.583	332.783	-0.091	0.778	-33.826	8626.98
43151_3152	43151	3152	-58.666	-304.827	0.091	-0.778	34.893	-4879.18
43152_3152	43152	3152	51.934	253.694	1.568	1.792	-34.878	4879.152
43152_3153	43152	3153	-51.713	-234.267	-1.568	-1.792	21.942	-2866.01
43153_3153	43153	3153	49.232	234.851	1.58	1.096	-21.929	2865.554
43153_3154	43153	3154	-49.232	-203.497	-1.58	-1.096	0.215	146.278
43154_3154	43154	3154	49.256	161.404	0.01	2.081	-0.215	-146.264
43154_3155	43154	3155	-49.256	-136.302	-0.01	-2.081	0.1	1783.861
43155_3155	43155	3155	49.256	136.302	-0.034	0.459	-0.1	-1783.86
43155_3156	43155	3156	-49.256	-111.2	0.034	-0.459	0.477	3145.285
43156_3156	43156	3156	49.249	75.307	0.423	0.652	-0.477	-3145.31

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43156_3157	43156	3157	-49.249	-52.465	-0.423	-0.652	-3.759	3784.887
43157_3157	43157	3157	49.249	52.465	0.423	0.652	3.759	-3784.89
43157_3158	43157	3158	-49.249	-29.622	-0.423	-0.652	-7.995	4195.784
43158_3158	43158	3158	49.257	-3.863	-0.146	-0.107	7.995	-4195.8
43158_3159	43158	3159	-49.257	26.706	0.146	0.107	-6.531	4042.778
43159_3159	43159	3159	49.257	-26.706	-0.147	-0.171	6.531	-4042.78
43159_3160	43159	3160	-49.257	49.571	0.147	0.171	-5.057	3660.58
43160_3160	43160	3160	49.262	-86.953	-0.343	0.244	5.057	-3660.58
43160_3161	43160	3161	-49.262	112.032	0.343	-0.244	-1.29	2567.01
43161_3161	43161	3161	49.261	-112.032	-0.388	-2.127	1.29	-2567.01
43161_3162	43161	3162	-49.261	137.133	0.388	2.127	2.982	1196.439
43162_3162	43162	3162	49.259	-177.371	-0.191	-0.921	-2.982	-1196.43
43162_3163	43162	3163	-49.259	208.748	0.191	0.921	5.612	-1458.47
43163_3163	43163	3163	51.784	-208.161	-0.143	-2.351	-5.632	1458.699
43163_3164	43163	3164	-52.005	227.565	0.143	2.351	6.806	-3254.22
43164_3164	43164	3164	58.741	-276.371	-1.293	0.392	-6.763	3254.071
43164_3165	43164	3165	-59.657	304.328	1.293	-0.392	21.963	-6667.59
43165_3165	43165	3165	68.376	-302.455	-1.267	-3.514	-22.202	6659.811
43165_3166	43165	3166	-70.584	338.697	1.267	3.514	39.014	-10914.6
43166_3166	43166	3166	84.839	-389.335	2.087	-1.713	-39.003	10914.66
43166_3167	43166	3167	-88.038	425.209	-2.087	1.713	12.835	-16025.1
43167_3167	43167	3167	99.816	-422.595	2.087	-1.385	-12.876	16025.08
43167_3168	43167	3168	-104.28	460.726	-2.087	1.385	-13.353	-21582.6
43168_3168	43168	3168	-1964.47	245.622	-6.453	-3.937	106.292	6762.876
43168_3169	43168	3169	1964.471	-220.813	6.453	3.937	-44.983	-4547
43169_3169	43169	3169	-1964.48	220.813	-3.785	3.263	44.983	4572.691
43169_3170	43169	3170	1964.478	-202.057	3.785	-3.263	-15.645	-2933.87
43170_3170	43170	3170	-1964.48	202.057	-3.785	3.263	15.645	2933.874
43170_3171	43170	3171	1964.478	-183.3	3.785	-3.263	13.693	-1440.44
43171_3171	43171	3171	-1964.57	136.075	0.016	0.226	-13.693	1440.507
43171_3172	43171	3172	1964.568	-116.737	-0.016	-0.226	13.562	-430.389
43172_3172	43172	3172	-1964.57	116.737	0.056	0.235	-13.562	430.389
43172_3173	43172	3173	1964.568	-97.376	-0.056	-0.235	13.112	426.177
43173_3173	43173	3173	-1964.57	97.376	0.056	0.235	-13.112	-426.177
43173_3174	43173	3174	1964.568	-78.014	-0.056	-0.235	12.661	1127.829
43174_3174	43174	3174	-1964.56	33.584	1.997	-0.97	-12.661	-1127.91
43174_3175	43174	3175	1964.56	-19.063	-1.997	0.97	0.679	1285.872
43175_3175	43175	3175	-1964.56	19.063	-1.277	1.172	-0.679	-1285.87
43175_3176	43175	3176	1964.561	-4.542	1.277	-1.172	8.34	1356.697
43176_3176	43176	3176	-1964.56	4.542	1.997	-1.088	-8.34	-1356.7
43176_3177	43176	3177	1964.56	9.979	-1.997	1.088	-3.642	1340.384
43177_3177	43177	3177	-1964.56	-9.979	-1.277	1.145	3.642	-1340.38
43177_3178	43177	3178	1964.561	24.5	1.277	-1.145	4.019	1236.931
43178_3178	43178	3178	-1964.56	-69.399	-0.827	-0.231	-4.019	-1236.94
43178_3179	43178	3179	1964.556	88.76	0.827	0.231	10.638	604.223
43179_3179	43179	3179	-1964.56	-88.76	-0.827	-0.231	-10.638	-604.223
43179_3180	43179	3180	1964.556	108.122	0.827	0.231	17.258	-183.411
43180_3180	43180	3180	-1964.56	-108.122	1.628	-0.001	-17.258	183.411
43180_3181	43180	3181	1964.555	127.483	-1.628	0.001	4.235	-1125.94
43181_3181	43181	3181	-1964.64	-174.303	2.915	-3.058	-4.235	1126.019
43181_3182	43181	3182	1964.643	193.036	-2.915	3.058	-18.327	-2547.82
43182_3182	43182	3182	-1964.64	-193.036	5.492	0.284	18.327	2547.822
43182_3183	43182	3183	1964.637	211.792	-5.492	-0.284	-60.892	-4116.72

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43183_3183	43183	3183	-1964.64	-211.792	4.891	-0.017	60.892	4096.112
43183_3184	43183	3184	1964.639	236.6	-4.891	0.017	-107.365	-6226.24
43184_3184	43184	3184	101.574	471.866	-2.32	1.256	22.022	20969.82
43184_3185	43184	3185	-97.11	-433.736	2.32	-1.256	7.128	-15272.7
43185_3185	43185	3185	85.069	436.269	-2.32	1.446	-7.093	15272.72
43185_3186	43185	3186	-81.87	-400.396	2.32	-1.446	36.176	-10023.9
43186_3186	43186	3186	67.687	355.569	0.541	0.937	-36.053	10023.87
43186_3187	43186	3187	-65.479	-319.327	-0.541	-0.937	28.879	-5545.31
43187_3187	43187	3187	55.581	321.181	0.556	-0.348	-28.802	5563.238
43187_3188	43187	3188	-54.623	-291.958	-0.556	0.348	22.273	-1959.3
43188_3188	43188	3188	48.172	237.206	0.855	1.044	-22.278	1959.306
43188_3189	43188	3189	-47.941	-216.89	-0.855	-1.044	15.226	-85.877
43189_3189	43189	3189	45.662	217.421	0.866	1.001	-15.221	92.647
43189_3190	43189	3190	-45.662	-183.186	-0.866	-1.001	3.316	2659.88
43190_3190	43190	3190	45.671	139.84	0.282	0.735	-3.316	-2659.9
43190_3191	43190	3191	-45.671	-112.432	-0.282	-0.735	0.217	4047.579
43191_3191	43191	3191	45.671	112.432	0.282	0.735	-0.217	-4047.58
43191_3192	43191	3192	-45.671	-85.023	-0.282	-0.735	-2.882	5133.729
43192_3192	43192	3192	45.671	45.673	0.282	-0.052	2.882	-5133.7
43192_3193	43192	3193	-45.671	-20.582	-0.282	0.052	-5.72	5467.342
43193_3193	43193	3193	45.671	20.582	0.282	-0.052	5.72	-5467.34
43193_3194	43193	3194	-45.671	4.509	-0.282	0.052	-8.558	5548.283
43194_3194	43194	3194	45.702	-40.659	-1.398	-0.966	8.558	-5548.3
43194_3195	43194	3195	-45.702	65.75	1.398	0.966	5.519	5012.459
43195_3195	43195	3195	45.702	-65.75	-1.398	-0.966	-5.519	-5012.46
43195_3196	43195	3196	-45.702	90.841	1.398	0.966	19.596	4223.92
43196_3196	43196	3196	45.665	-129.858	0.144	-3.058	-19.596	-4223.91
43196_3197	43196	3197	-45.665	157.241	-0.144	3.058	18.015	2646.115
43197_3197	43197	3197	45.665	-157.241	0.185	-0.69	-18.015	-2646.12
43197_3198	43197	3198	-45.665	184.65	-0.185	0.69	15.982	765.466
43198_3198	43198	3198	45.685	-226.401	-0.734	-2.28	-15.982	-765.499
43198_3199	43198	3199	-45.685	260.661	0.734	2.28	26.075	-2583.48
43199_3199	43199	3199	48.876	-260.112	-0.745	-1.624	-26.087	2570.325
43199_3200	43199	3200	-49.121	281.269	0.745	1.624	32.234	-4803.91
43200_3200	43200	3200	57.199	-330.801	-0.442	-2.719	-32.299	4803.911
43200_3201	43200	3201	-58.216	361.196	0.442	2.719	37.488	-8868.43
43201_3201	43201	3201	68.636	-359.345	-0.457	0.136	-37.415	8862.359
43201_3202	43201	3202	-71.138	399.853	0.457	-0.136	43.478	-13901.1
43202_3202	43202	3202	87.168	-449.239	2.579	-1.446	-43.651	13901.07
43202_3203	43202	3203	-90.766	489.138	-2.579	1.446	11.32	-19789.3
43203_3203	43203	3203	104.369	-486.42	2.579	-1.219	-11.354	19789.3
43203_3204	43203	3204	-109.351	528.576	-2.579	1.219	-21.052	-26176.6
43204_3204	43204	3204	-2210.12	271.924	-1.226	3.277	35.382	8719.359
43204_3205	43204	3205	2210.123	-244.057	1.226	-3.277	-23.73	-6268.14
43205_3205	43205	3205	-2210.12	244.057	-3.402	-2.067	23.73	6020.592
43205_3206	43205	3206	2210.121	-222.805	3.402	2.067	2.64	-4211.25
43206_3206	43206	3206	-2210.12	222.805	-0.551	3.366	-2.64	4211.247
43206_3207	43206	3207	2210.123	-201.553	0.551	-3.366	6.911	-2566.66
43207_3207	43207	3207	-2210.08	150.613	-4.086	0.806	-6.911	2566.728
43207_3208	43207	3208	2210.079	-128.675	4.086	-0.806	39.606	-1449.43
43208_3208	43208	3208	-2210.08	128.675	-4.131	0.777	-39.606	1449.428
43208_3209	43208	3209	2210.079	-106.765	4.131	-0.777	72.619	-508.72
43209_3209	43209	3209	-2210.08	106.765	-1.324	1.423	-72.619	508.719

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43209_3210	43209	3210	2210.082	-84.828	1.324	-1.423	83.216	257.738
43210_3210	43210	3210	-2210.13	34.546	-2.345	1.131	-83.216	-257.864
43210_3211	43210	3211	2210.132	-18.093	2.345	-1.131	97.288	415.804
43211_3211	43211	3211	-2210.13	18.093	-2.345	1.131	-97.288	-415.804
43211_3212	43211	3212	2210.132	-1.64	2.345	-1.131	111.359	475.009
43212_3212	43212	3212	-2210.13	1.64	1.338	0.339	-111.359	-475.011
43212_3213	43212	3213	2210.132	14.813	-1.338	-0.339	103.332	435.485
43213_3213	43213	3213	-2210.13	-14.813	-2.345	1.065	-103.332	-435.483
43213_3214	43213	3214	2210.132	31.267	2.345	-1.065	117.404	297.224
43214_3214	43214	3214	-2210.24	-81.742	6.623	1.065	-117.404	-297.226
43214_3215	43214	3215	2210.243	103.679	-6.623	-1.065	64.414	-444.543
43215_3215	43215	3215	-2210.25	-103.679	3.861	0.509	-64.414	444.544
43215_3216	43215	3216	2210.249	125.617	-3.861	-0.509	33.524	-1361.85
43216_3216	43216	3216	-2210.25	-125.617	3.861	0.509	-33.524	1361.851
43216_3217	43216	3217	2210.249	147.555	-3.861	-0.509	2.633	-2454.68
43217_3217	43217	3217	-2210.27	-197.637	6.796	-5.259	-2.633	2454.595
43217_3218	43217	3218	2210.272	218.889	-6.796	5.259	-50.039	-4068.83
43218_3218	43218	3218	-2210.28	-218.889	3.944	-10.508	50.039	4068.816
43218_3219	43218	3219	2210.279	240.141	-3.944	10.508	-80.611	-5847.81
43219_3219	43219	3219	-2210.24	-240.141	13.069	15.716	80.611	6102.788
43219_3220	43219	3220	2210.244	267.978	-13.069	-15.716	-204.648	-8514.01
43220_3220	43220	3220	103.099	543.752	-3.298	-28.541	59.398	25957.93
43220_3221	43220	3221	-98.117	-501.601	3.298	28.541	-17.942	-19381.1
43221_3221	43221	3221	84.151	504.143	-3.42	32.716	11.345	19381.14
43221_3222	43221	3222	-80.552	-464.249	3.42	-32.716	31.545	-13305.8
43222_3222	43222	3222	64.434	419.593	5.089	-1.808	-28.378	13305.31
43222_3223	43222	3223	-61.932	-379.09	-5.089	1.808	-39.156	-8005.41
43223_3223	43223	3223	50.107	380.896	4.89	30.273	38.293	8036.185
43223_3224	43223	3224	-49.038	-348.892	-4.89	-30.273	-95.765	-3746.93
43224_3224	43224	3224	41.29	289.374	-2.93	-3.879	96.38	3746.969
43224_3225	43224	3225	-41.032	-267.104	2.93	3.879	-72.204	-1451.36
43225_3225	43225	3225	38.164	267.533	-3.108	2.281	72.233	1455.628
43225_3226	43225	3226	-38.164	-222.984	3.108	-2.281	-22.719	2451.617
43226_3226	43226	3226	38.107	174.366	1.264	10.65	22.719	-2451.47
43226_3227	43226	3227	-38.107	-140.526	-1.264	-10.65	-38.017	4356.806
43227_3227	43227	3227	38.112	140.526	1.106	-7.419	38.017	-4356.81
43227_3228	43227	3228	-38.112	-106.712	-1.106	7.419	-51.393	5851.66
43228_3228	43228	3228	38.173	60.144	-1.595	13.876	51.393	-5850.68
43228_3229	43228	3229	-38.173	-24.211	1.595	-13.876	-32.104	6360.739
43229_3229	43229	3229	38.166	24.211	-1.753	-12.413	32.104	-6360.74
43229_3230	43229	3230	-38.166	11.727	1.753	12.413	-10.905	6436.235
43230_3230	43230	3230	38.073	-57.425	0.718	10.234	10.905	-6434.78
43230_3231	43230	3231	-38.073	93.87	-0.718	-10.234	-19.712	5506.917
43231_3231	43231	3231	38.076	-93.87	0.562	-12.355	19.712	-5506.91
43231_3232	43231	3232	-38.076	130.291	-0.562	12.355	-26.598	4133.12
43232_3232	43232	3232	37.837	-181.902	8.029	0.946	26.598	-4132.07
43232_3233	43232	3233	-37.837	205.185	-8.029	-0.946	-89.511	2615.514
43233_3233	43233	3233	37.841	-205.185	8.006	-0.652	89.511	-2615.51
43233_3234	43233	3234	-37.841	227.339	-8.006	0.652	-149.2	1003.142
43234_3234	43234	3234	40.723	-226.905	7.899	-4.892	149.149	-1003.14
43234_3235	43234	3235	-41.033	253.791	-7.899	4.892	-219.195	-1128.32
43235_3235	43235	3235	47.299	-305.371	-4.109	-7.473	219.121	1128.204
43235_3236	43235	3236	-47.79	323.235	4.109	7.473	-195.013	-2972.6

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43236_3236	43236	3236	51.887	-322.575	-4.158	-1.917	195.181	2958.275
43236_3237	43236	3237	-52.545	339.294	4.158	1.917	-173.289	-4702.31
43237_3237	43237	3237	58.353	-338.348	-4.269	5.472	173.864	4701.711
43237_3238	43237	3238	-60.447	375.391	4.269	-5.472	-131.578	-8240.87
43238_3238	43238	3238	72.637	-419.546	-8.873	-15.485	130.245	8238.475
43238_3239	43238	3239	-75.734	458.977	8.873	15.485	-38.894	-12765.2
43239_3239	43239	3239	86.393	-457.104	-8.963	12.937	41.61	12765.17
43239_3240	43239	3240	-90.738	499.833	8.963	-12.937	55.151	-17938
43240_3240	43240	3240	104.657	-521.941	-24.73	-42.603	-61.476	17929.29
43240_3241	43240	3241	-108.318	552.056	24.73	42.603	244.173	-21891
43241_3241	43241	3241	-2181.01	352.112	-6.186	7.62	306.693	7571.344
43241_3242	43241	3242	2181.005	-317.6	6.186	-7.62	-247.951	-4391.38
43242_3242	43242	3242	-2181.01	317.6	1.618	22.718	247.951	4400.185
43242_3243	43242	3243	2181.013	-290.098	-1.618	-22.718	-260.372	-2068.14
43243_3243	43243	3243	-2178.12	228.362	-37.549	0.953	260.372	2066.377
43243_3244	43243	3244	2178.119	-194.249	37.549	-0.953	97.104	-54.702
43244_3244	43244	3244	-2178.2	194.249	-32.784	1.073	-97.104	54.7
43244_3245	43244	3245	2178.196	-158.048	32.784	-1.073	428.321	1724.915
43245_3245	43245	3245	-2179.09	110.53	-12.459	6.612	-428.321	-1724.17
43245_3246	43245	3246	2179.093	-74.897	12.459	-6.612	552.226	2646.172
43246_3246	43246	3246	-2179.13	74.897	-3.687	-4.04	-552.226	-2646.18
43246_3247	43246	3247	2179.125	-40.222	3.687	4.04	587.905	3203.17
43247_3247	43247	3247	-2179.14	-10.05	0.425	6.74	-587.905	-3202.31
43247_3248	43247	3248	2179.139	42.968	-0.425	-6.74	584.004	2958.777
43248_3248	43248	3248	-2179.13	-42.968	7.764	-3.225	-584.004	-2958.78
43248_3249	43248	3249	2179.125	80.352	-7.764	3.225	503.005	2315.475
43249_3249	43249	3249	-2177.65	-122.599	-18.437	1.597	-503.005	-2314.97
43249_3250	43249	3250	2177.648	159.236	18.437	-1.597	691.517	874.15
43250_3250	43250	3250	-2177.69	-159.236	-12.068	-0.959	-691.517	-874.151
43250_3251	43250	3251	2177.693	192.933	12.068	0.959	805.01	-781.763
43251_3251	43251	3251	-2181.14	-234.266	78.461	-7.988	-805.01	781.355
43251_3252	43251	3252	2181.144	264.375	-78.461	7.988	145.727	-2876.31
43252_3252	43252	3252	-2180.87	-264.375	85.741	1.613	-145.727	2876.316
43252_3253	43252	3253	2180.87	294.564	-85.741	-1.613	-576.664	-5230.92
43253_3253	43253	3253	-2180.76	-294.564	88.504	8.242	576.664	5229.777
43253_3254	43253	3254	2180.76	322.413	-88.504	-8.242	-1254.87	-7593.71
43254_3254	43254	3254	-2176.39	-355.028	-34.001	-125.204	1254.869	7588.746
43254_3255	43254	3255	2176.39	366.893	34.001	125.204	-1143.87	-8767.19
43255_3255	43255	3255	116.392	508.421	-51.712	3.437	821.944	22907.99
43255_3256	43255	3256	-110.849	-466.813	51.712	-3.437	-289.778	-17892
43256_3256	43256	3256	92.922	470.687	-51.863	49.054	283.998	17892.04
43256_3257	43256	3257	-89.872	-438.622	51.863	-49.054	141.212	-14165.1
43257_3257	43257	3257	76.617	400.839	3.987	-22.115	-134.4	14161.83
43257_3258	43257	3258	-73.779	-363.149	-3.987	22.115	94.855	-10384.3
43258_3258	43258	3258	66.459	364.553	3.888	2.011	-96.664	10384.33
43258_3259	43258	3259	-64.68	-332.403	-3.888	-2.011	63.093	-7380.46
43259_3259	43259	3259	59.995	333.282	3.745	30.091	-64.28	7380.694
43259_3260	43259	3260	-59.582	-323.24	-3.745	-30.091	52.426	-6342.98
43260_3260	43260	3260	51.813	263.845	7.24	-11.313	-51.076	6288.852
43260_3261	43260	3261	-51.071	-239.382	-7.24	11.313	-3.189	-4402.37
43261_3261	43261	3261	46.45	240.425	7.148	-2.162	3.104	4402.385
43261_3262	43261	3262	-46.08	-210.077	-7.148	2.162	-69.917	-2296.87
43262_3262	43262	3262	43.346	210.727	7	5.416	69.916	2281.749

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43262_3263	43262	3263	-43.346	-186.245	-7	-5.416	-123.535	-761.429
43263_3263	43263	3263	43.489	128.772	-5.344	0.501	123.535	761.388
43263_3264	43263	3264	-43.489	-92.761	5.344	-0.501	-63.326	486.552
43264_3264	43264	3264	43.475	92.761	-5.455	-0.742	63.326	-486.552
43264_3265	43264	3265	-43.475	-55.098	5.455	0.742	0.955	1357.697
43265_3265	43265	3265	43.434	5.557	-1.132	1.37	-0.955	-1357.63
43265_3266	43265	3266	-43.434	31.578	1.132	-1.37	14.112	1206.475
43266_3266	43266	3266	43.429	-31.578	-1.297	-3.193	-14.112	-1206.47
43266_3267	43266	3267	-43.429	68.119	1.297	3.193	28.936	636.588
43267_3267	43267	3267	43.426	-117.608	-0.275	-4.065	-28.936	-636.59
43267_3268	43267	3268	-43.426	154.713	0.275	4.065	32.133	-944.049
43268_3268	43268	3268	43.425	-154.713	-0.397	-1.422	-32.133	944.056
43268_3269	43268	3269	-43.425	191.283	0.397	1.422	36.675	-2923.4
43269_3269	43269	3269	43.372	-244.33	-5.951	-15.645	-36.675	2923.647
43269_3270	43269	3270	-43.372	283.34	5.951	15.645	109.299	-6143.7
43270_3270	43270	3270	43.349	-283.34	-6.116	7.8	-109.299	6143.717
43270_3271	43270	3271	-43.349	321.984	6.116	-7.8	183.242	-9802.93
43271_3271	43271	3271	43.508	-377.858	14.778	-43.667	-183.242	9803.611
43271_3272	43271	3272	-43.508	400.012	-14.778	43.667	80.813	-12499.3
43272_3272	43272	3272	48.269	-399.357	14.677	-15.217	-80.957	12517.51
43272_3273	43272	3273	-48.666	431.826	-14.677	15.217	-57.604	-16440.9
43273_3273	43273	3273	56.733	-430.677	14.541	34.428	58.539	16440.83
43273_3274	43273	3274	-57.627	459.186	-14.541	-34.428	-178.266	-20104.6
43274_3274	43274	3274	63.584	-514.092	-48.439	-51.257	175.827	20107.03
43274_3275	43274	3275	-63.928	522.204	48.439	51.257	-63.055	-21313.5
43275_3275	43275	3275	70.11	-521.386	-48.475	-37.13	63.171	21325.59
43275_3276	43275	3276	-71.967	555.483	48.475	37.13	357.114	-25994.5
43276_3276	43276	3276	82.075	-553.963	-48.597	43.624	-352.937	25994.59
43276_3277	43276	3277	-84.641	588.949	48.597	-43.624	776.376	-30975.2
43277_3277	43277	3277	101.433	-602.925	43.052	-79.506	-788.515	31020.33
43277_3278	43277	3278	-105.533	646.459	-43.052	79.506	338.256	-37552
43278_3278	43278	3278	127.525	-642.484	42.959	11.679	-330.421	37552.14
43278_3279	43278	3279	-132.877	684.208	-42.959	-11.679	-84.778	-43961.4
43279_3279	43279	3279	-3281.52	504.02	22.016	155.849	414.06	16072.55
43279_3280	43279	3280	3281.515	-488.104	-22.016	-155.849	-504.87	-14026.4
43280_3280	43280	3280	-3282.21	373.502	-72.413	-34.294	504.87	14027.78
43280_3281	43280	3281	3282.207	-349.295	72.413	34.294	-50.59	-11760.6
43281_3281	43281	3281	-3282.42	349.295	-61.92	-3.138	50.59	12059.33
43281_3282	43281	3282	3282.422	-314.383	61.92	3.138	547.155	-8855.92
43282_3282	43282	3282	-3282.59	314.383	-52.19	23.111	-547.155	8855.892
43282_3283	43282	3283	3282.591	-284.15	52.19	-23.111	983.455	-6354.09
43283_3283	43283	3283	-3282.21	254.938	14.097	-5.877	-983.455	6326.48
43283_3284	43283	3284	3282.207	-216.577	-14.097	5.877	809.177	-3411.78
43284_3284	43284	3284	-3282.13	216.577	26.729	7.254	-809.177	3411.779
43284_3285	43284	3285	3282.128	-179.576	-26.729	-7.254	490.447	-1049.8
43285_3285	43285	3285	-3282.29	82.569	6.008	0.328	-490.447	1049.862
43285_3286	43285	3286	3282.292	-45.832	-6.008	-0.328	419.313	-289.756
43286_3286	43286	3286	-3282.24	45.832	20.079	1.57	-419.313	289.752
43286_3287	43286	3287	3282.236	-13.517	-20.079	-1.57	210.194	19.302
43287_3287	43287	3287	-3282.12	-32.149	25.627	-0.218	-210.194	-19.406
43287_3288	43287	3288	3282.119	67.196	-25.627	0.218	-79.268	-541.645
43288_3288	43288	3288	-3282.01	-67.196	36.771	1.621	79.268	541.642
43288_3289	43288	3289	3282.013	101.128	-36.771	-1.621	-481.391	-1462.02

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43289_3289	43289	3289	-3282.57	-187.491	-12.077	-7.121	481.391	1462.174
43289_3290	43289	3290	3282.566	213.445	12.077	7.121	-380.373	-3138.98
43290_3290	43290	3290	-3282.58	-213.445	-4.926	-0.283	380.373	3138.986
43290_3291	43290	3291	3282.584	237.828	4.926	0.283	-341.664	-4912.13
43291_3291	43291	3291	-3282.59	-237.828	1.635	9.822	341.664	4616.885
43291_3292	43291	3292	3282.587	264.193	-1.635	-9.822	-354.553	-6595.33
43292_3292	43292	3292	-3282.88	-328.434	-11.706	-43.661	354.553	6596.269
43292_3293	43292	3293	3282.875	336.831	11.706	43.661	-325.167	-7431.28
43293_3293	43293	3293	125.484	919.386	-13.056	-47.844	57.063	31313.52
43293_3294	43293	3294	-121.542	-887.119	13.056	47.844	53.609	-23654.4
43294_3294	43294	3294	89.706	890.893	-13.108	50.232	-63.802	23654.34
43294_3295	43294	3295	-86.6	-854.815	13.108	-50.232	192.479	-15084.7
43295_3295	43295	3295	59.478	779.592	7.2	-19.094	-186.573	15085.73
43295_3296	43295	3296	-57.17	-740.731	-7.2	19.094	108.121	-6802.11
43296_3296	43296	3296	39.213	741.89	7.148	10.433	-109.62	6802.108
43296_3297	43296	3297	-38.195	-712.951	-7.148	-10.433	50.463	-782.171
43297_3297	43297	3297	25.65	713.507	7.111	13.432	-50.343	781.718
43297_3298	43297	3298	-25.418	-700.32	-7.111	-13.432	19.641	2270.512
43298_3298	43298	3298	15.354	615.855	1.337	16.823	-19.424	-2279.99
43298_3299	43298	3299	-15.257	-590.857	-1.337	-16.823	8.412	7249.188
43299_3299	43299	3299	12.923	590.914	1.309	1.195	-8.355	-7249.21
43299_3300	43299	3300	-12.923	-568.313	-1.309	-1.195	-1.402	11568.26
43300_3300	43300	3300	12.926	568.313	1.284	-20.768	1.402	-11567.5
43300_3301	43300	3301	-12.926	-543.542	-1.284	20.768	-10.526	15518.24
43301_3301	43301	3301	12.914	464.011	-0.289	44.15	10.526	-15518.9
43301_3302	43301	3302	-12.914	-421.899	0.289	-44.15	-7.031	20870.66
43302_3302	43302	3302	12.913	421.899	-0.338	-35.359	7.031	-20870.7
43302_3303	43302	3303	-12.913	-379.393	0.338	35.359	-2.904	25756.52
43303_3303	43303	3303	12.931	299.568	2.165	46.949	2.904	-25757.6
43303_3304	43303	3304	-12.931	-254.841	-2.165	-46.949	-30.681	29314.65
43304_3304	43304	3304	12.937	254.841	2.126	-41.685	30.681	-29314.7
43304_3305	43304	3305	-12.937	-214.953	-2.126	41.685	-55.006	32002.81
43305_3305	43305	3305	12.932	140.782	0.158	62.081	55.006	-32004.1
43305_3306	43305	3306	-12.932	-94.656	-0.158	-62.081	-57.097	33561.88
43306_3306	43306	3306	12.933	94.656	0.11	-62.466	57.097	-33561.9
43306_3307	43306	3307	-12.933	-56.166	-0.11	62.466	-58.312	34394.64
43307_3307	43307	3307	12.944	-14.765	1.643	59.719	58.312	-34396.2
43307_3308	43307	3308	-12.944	58.572	-1.643	-59.719	-78.958	33935.3
43308_3308	43308	3308	12.95	-58.572	1.599	-54.031	78.958	-33935.3
43308_3309	43308	3309	-12.95	99.361	-1.599	54.031	-97.674	33011.21
43309_3309	43309	3309	12.94	-171.834	-0.389	50.272	97.674	-33012.2
43309_3310	43309	3310	-12.94	213.198	0.389	-50.272	-93.053	30727.55
43310_3310	43310	3310	12.939	-213.198	-0.427	-39.712	93.053	-30727.6
43310_3311	43310	3311	-12.939	256.465	0.427	39.712	-87.748	27812.53
43311_3311	43311	3311	12.975	-318.88	5.858	39.532	87.748	-27813.5
43311_3312	43311	3312	-12.975	361.084	-5.858	-39.532	-158.683	23696.91
43312_3312	43312	3312	12.994	-361.084	5.818	-34.874	158.683	-23696.9
43312_3313	43312	3313	-12.994	403.467	-5.818	34.874	-229.424	19048.54
43313_3313	43313	3313	12.913	-500.708	-6.538	26.431	229.424	-19049.3
43313_3314	43313	3314	-12.913	545.013	6.538	-26.431	-146.324	12403.08
43314_3314	43314	3314	12.889	-545.013	-6.586	-19.883	146.324	-12403.1
43314_3315	43314	3315	-12.889	589.11	6.586	19.883	-63.004	5228.87
43315_3315	43315	3315	13.031	-630.255	-7.699	-8.277	63.004	-5229.72

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
43315_3316	43315	3316	-13.031	658.778	7.699	8.277	0	-44.515
44000_4000	44000	4000	-0.318	14.32	-2.456	2.83	0	-0.403
44000_4001	44000	4001	0.318	8.01	2.456	-2.83	33.931	43.994
44001_4001	44001	4001	-0.319	-8.01	-2.456	2.811	-33.931	-43.995
44001_4002	44001	4002	0.319	24.406	2.456	-2.811	58.844	-120.432
44002_4002	44002	4002	-0.28	21.925	3.346	2.062	-58.844	120.38
44002_4003	44002	4003	0.28	-2.283	-3.346	-2.062	18.176	26.722
44003_4003	44003	4003	-0.277	2.283	3.347	2.04	-18.176	-26.724
44003_4004	44003	4004	0.277	17.356	-3.347	-2.04	-22.491	-64.859
44004_4004	44004	4004	-0.296	19.862	-0.361	1.771	22.491	64.679
44004_4005	44004	4005	0.296	-0.217	0.361	-1.771	-18.101	57.355
44005_4005	44005	4005	-0.296	0.217	-0.361	1.771	18.101	-57.355
44005_4006	44005	4006	0.296	19.428	0.361	-1.771	-13.71	-59.407
44006_4006	44006	4006	-0.292	19.918	0.076	0.901	13.71	59.329
44006_4007	44006	4007	0.292	-0.289	-0.076	-0.901	-14.631	63.385
44007_4007	44007	4007	-0.292	0.289	0.076	0.842	14.631	-63.386
44007_4008	44007	4008	0.292	19.354	-0.076	-0.842	-15.556	-52.473
44008_4008	44008	4008	-0.291	19.513	0.089	-0.039	15.556	52.516
44008_4009	44008	4009	0.291	0.136	-0.089	0.039	-16.643	65.277
44009_4009	44009	4009	-0.291	-0.136	0.089	-0.033	16.643	-65.277
44009_4010	44009	4010	0.291	19.769	-0.089	0.033	-17.729	-55.631
44010_4010	44010	4010	-0.294	19.203	-0.098	-0.804	17.729	55.848
44010_4011	44010	4011	0.294	0.446	0.098	0.804	-16.538	58.177
44011_4011	44011	4011	-0.294	-0.446	-0.098	-0.799	16.538	-58.177
44011_4012	44011	4012	0.294	20.079	0.098	0.799	-15.348	-66.495
44012_4012	44012	4012	-0.293	18.892	0.04	-1.466	15.348	66.51
44012_4013	44012	4013	0.293	0.76	-0.04	1.466	-15.837	43.726
44013_4013	44013	4013	-0.293	-0.76	0.04	-1.426	15.837	-43.727
44013_4014	44013	4014	0.293	20.398	-0.04	1.426	-16.322	-84.822
44014_4014	44014	4014	-0.299	18.028	-0.876	-1.733	16.322	84.766
44014_4015	44014	4015	0.299	8.313	0.876	1.733	-2.04	-5.593
44015_4015	44015	4015	-0.299	-8.313	-0.876	-1.736	2.04	5.595
44015_4016	44015	4016	0.299	21.654	0.876	1.736	5.193	-129.283
44016_4016	44016	4016	-0.308	19.567	-0.182	-1.209	-5.193	129.607
44016_4017	44016	4017	0.308	-0.85	0.182	1.209	7.329	-9.646
44017_4017	44017	4017	-0.308	0.85	-0.182	-1.213	-7.329	9.646
44017_4018	44017	4018	0.308	20.257	0.182	1.213	9.738	-138.226
44018_4018	44018	4018	-0.312	19.705	1.924	-0.831	-9.738	138.186
44018_4019	44018	4019	0.312	0.2	-1.924	0.831	-14.309	-16.315
44019_4019	44019	4019	-0.31	-0.2	1.925	-0.818	14.309	16.315
44019_4020	44019	4020	0.31	20.103	-1.925	0.818	-38.356	-143.165
44020_4020	44020	4020	-0.382	20.841	-1.983	-0.722	38.356	143.16
44020_4021	44020	4021	0.382	-5.704	1.983	0.722	-19.51	-17.035
44021_4021	44021	4021	-0.381	5.704	-1.983	-0.735	19.51	17.034
44021_4022	44021	4022	0.381	6.646	1.983	0.735	-4.132	-20.685
44022_4022	44022	4022	-0.383	-6.646	-1.983	-0.712	4.132	20.686
44022_4023	44022	4023	0.383	18.979	1.983	0.712	11.222	-119.886
44023_4023	44023	4023	-0.381	19.463	-0.132	-0.424	-11.222	119.972
44023_4024	44023	4024	0.381	-6.713	0.132	0.424	12.278	-15.21
44024_4024	44024	4024	-0.381	6.713	-0.132	-0.424	-12.278	15.21
44024_4025	44024	4025	0.381	6.036	0.132	0.424	13.335	-12.499
44025_4025	44025	4025	-0.381	-6.036	-0.132	-0.425	-13.335	12.499
44025_4026	44025	4026	0.381	18.77	0.132	0.425	14.39	-111.652

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44026_4026	44026	4026	-0.381	18.952	-0.02	-0.245	-14.39	111.657
44026_4027	44026	4027	0.381	-9.395	0.02	0.245	14.51	-26.616
44027_4027	44027	4027	-0.381	9.395	-0.02	-0.245	-14.51	26.616
44027_4028	44027	4028	0.381	0.163	0.02	0.245	14.629	1.079
44028_4028	44028	4028	-0.381	-0.163	-0.02	-0.244	-14.629	-1.08
44028_4029	44028	4029	0.381	9.722	0.02	0.244	14.752	-28.579
44029_4029	44029	4029	-0.381	-9.722	-0.02	-0.196	-14.752	28.579
44029_4030	44029	4030	0.381	19.279	0.02	0.196	14.871	-115.583
44030_4030	44030	4030	-0.382	18.314	0.007	-0.094	-14.871	115.534
44030_4031	44030	4031	0.382	-5.571	-0.007	0.094	14.817	-19.994
44031_4031	44031	4031	-0.382	5.571	0.007	-0.094	-14.817	19.994
44031_4032	44031	4032	0.382	7.172	-0.007	0.094	14.764	-26.401
44032_4032	44032	4032	-0.382	-7.172	0.007	-0.094	-14.764	26.401
44032_4033	44032	4033	0.382	19.915	-0.007	0.094	14.71	-134.753
44033_4033	44033	4033	-0.367	18.946	1.123	0.051	-14.71	134.758
44033_4034	44033	4034	0.367	-6.609	-1.123	-0.051	6.009	-35.789
44034_4034	44034	4034	-0.367	6.609	1.123	0.055	-6.009	35.789
44034_4035	44034	4035	0.367	5.744	-1.123	-0.055	-2.704	-32.436
44035_4035	44035	4035	-0.367	-5.744	1.124	0.072	2.704	32.436
44035_4036	44035	4036	0.367	20.849	-1.124	-0.072	-13.359	-158.526
44036_4036	44036	4036	-0.425	20.698	-1.205	0.199	13.359	158.538
44036_4037	44036	4037	0.425	-0.761	1.205	-0.199	1.727	-24.242
44037_4037	44037	4037	-0.425	0.761	-1.205	0.196	-1.727	24.242
44037_4038	44037	4038	0.425	19.145	1.205	-0.196	16.79	-139.116
44038_4038	44038	4038	-0.405	14.673	0.109	0.608	-16.79	139.238
44038_4039	44038	4039	0.405	6.439	-0.109	-0.608	15.352	-84.671
44039_4039	44039	4039	-0.405	-6.439	0.109	0.846	-15.352	84.028
44039_4040	44039	4040	0.405	24.8	-0.109	-0.846	14.075	-267.526
44040_4040	44040	4040	-0.405	19.002	-0.05	0.876	-14.075	267.617
44040_4041	44040	4041	0.405	-6.103	0.05	-0.876	14.491	-164.02
44041_4041	44041	4041	-0.405	6.103	-0.051	0.798	-14.491	164.02
44041_4042	44041	4042	0.405	18.691	0.051	-0.798	15.293	-263.876
44042_4042	44042	4042	-0.398	20.84	0.713	0.879	-15.293	263.897
44042_4043	44042	4043	0.398	-2.174	-0.713	-0.879	6.775	-126.46
44043_4043	44043	4043	-0.398	2.174	0.713	0.87	-6.775	126.46
44043_4044	44043	4044	0.398	16.477	-0.713	-0.87	-1.735	-211.803
44044_4044	44044	4044	-0.404	19.843	0.041	0.622	1.735	211.909
44044_4045	44044	4045	0.404	-1.176	-0.041	-0.622	-2.23	-86.389
44045_4045	44045	4045	-0.404	1.176	0.041	0.622	2.23	86.389
44045_4046	44045	4046	0.404	17.49	-0.041	-0.622	-2.726	-183.813
44046_4046	44046	4046	-0.404	19.463	-0.034	0.198	2.726	183.821
44046_4047	44046	4047	0.404	-0.805	0.034	-0.198	-2.32	-62.834
44047_4047	44047	4047	-0.404	0.805	-0.034	0.198	2.32	62.834
44047_4048	44047	4048	0.404	17.854	0.034	-0.198	-1.914	-164.605
44048_4048	44048	4048	-0.406	19.016	-0.275	-0.178	1.914	164.711
44048_4049	44048	4049	0.406	-0.341	0.275	0.178	1.37	-49.067
44049_4049	44049	4049	-0.406	0.341	-0.275	-0.181	-1.37	49.067
44049_4050	44049	4050	0.406	18.317	0.275	0.181	4.651	-156.37
44050_4050	44050	4050	-0.405	18.311	-0.305	-0.409	-4.651	156.211
44050_4051	44050	4051	0.405	6.453	0.305	0.409	9.485	-62.264
44051_4051	44051	4051	-0.405	-6.453	-0.305	-0.372	-9.485	62.265
44051_4052	44051	4052	0.405	19.352	0.305	0.372	12.001	-168.756
44052_4052	44052	4052	-0.402	20.506	-0.528	-0.15	-12.001	168.841

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44052_4053	44052	4053	0.402	-2.136	0.528	0.15	18.205	-35.779
44053_4053	44053	4053	-0.402	2.136	-0.528	-0.141	-18.205	35.787
44053_4054	44053	4054	0.402	17.93	0.528	0.141	25.196	-140.405
44054_4054	44054	4054	-0.409	18.536	1.019	0.089	-25.196	140.257
44054_4055	44054	4055	0.409	0.399	-1.019	-0.089	12.462	-26.891
44055_4055	44055	4055	-0.409	-0.399	1.019	0.089	-12.462	26.891
44055_4056	44055	4056	0.409	19.334	-1.019	-0.089	-0.273	-150.23
44056_4056	44056	4056	-0.388	19.872	-1.242	0.172	0.273	150.227
44056_4057	44056	4057	0.388	-5.492	1.242	-0.172	11.521	-29.829
44057_4057	44057	4057	-0.388	5.492	-1.242	0.158	-11.521	29.83
44057_4058	44057	4058	0.388	6.246	1.242	-0.158	21.149	-32.751
44058_4058	44058	4058	-0.388	-6.246	-1.242	0.158	-21.149	32.751
44058_4059	44058	4059	0.388	17.984	1.242	-0.158	30.778	-126.637
44059_4059	44059	4059	-0.38	18.963	1.049	0.287	-30.778	126.63
44059_4060	44059	4060	0.38	-6.836	-1.049	-0.287	22.376	-23.345
44060_4060	44060	4060	-0.381	6.836	1.049	0.256	-22.376	23.345
44060_4061	44060	4061	0.381	5.278	-1.049	-0.256	13.987	-17.117
44061_4061	44061	4061	-0.38	-5.278	1.049	0.277	-13.987	17.117
44061_4062	44061	4062	0.38	17.391	-1.049	-0.277	5.596	-107.757
44062_4062	44062	4062	-0.381	18.375	0.64	0.457	-5.596	107.801
44062_4063	44062	4063	0.381	-9.283	-0.64	-0.457	1.755	-24.788
44063_4063	44063	4063	-0.382	9.283	0.639	0.416	-1.755	24.789
44063_4064	44063	4064	0.382	-0.19	-0.639	-0.416	-2.083	3.648
44064_4064	44064	4064	-0.381	0.19	0.64	0.41	2.083	-3.649
44064_4065	44064	4065	0.381	8.887	-0.64	-0.41	-5.917	-22.409
44065_4065	44065	4065	-0.381	-8.887	0.64	0.413	5.917	22.409
44065_4066	44065	4066	0.381	17.979	-0.64	-0.413	-9.758	-103.041
44066_4066	44066	4066	-0.379	18.071	0.615	0.485	9.758	103.05
44066_4067	44066	4067	0.379	-5.946	-0.615	-0.485	-14.685	-6.924
44067_4067	44067	4067	-0.379	5.946	0.615	0.485	14.685	6.924
44067_4068	44067	4068	0.379	6.164	-0.615	-0.485	-19.606	-7.796
44068_4068	44068	4068	-0.378	-6.164	0.616	0.495	19.606	7.796
44068_4069	44068	4069	0.378	18.288	-0.616	-0.495	-24.536	-105.658
44069_4069	44069	4069	-0.374	17.729	0.992	0.628	24.536	105.591
44069_4070	44069	4070	0.374	-5.999	-0.992	-0.628	-32.218	-13.712
44070_4070	44070	4070	-0.374	5.999	0.992	0.63	32.218	13.712
44070_4071	44070	4071	0.374	5.746	-0.992	-0.63	-39.91	-12.73
44071_4071	44071	4071	-0.374	-5.746	0.992	0.626	39.91	12.731
44071_4072	44071	4072	0.374	20.132	-0.992	-0.626	-49.33	-135.621
44072_4072	44072	4072	-0.407	20.13	-1.582	0.707	49.33	135.625
44072_4073	44072	4073	0.407	-1.198	1.582	-0.707	-29.554	-2.329
44073_4073	44073	4073	-0.406	1.198	-1.583	0.705	29.554	2.33
44073_4074	44073	4074	0.406	17.734	1.583	-0.705	-9.773	-105.675
44074_4074	44074	4074	-0.376	15.227	0.144	0.976	9.773	105.73
44074_4075	44074	4075	0.376	4.842	-0.144	-0.976	-11.677	-36.93
44075_4075	44075	4075	-0.376	-4.842	0.143	1.278	11.677	36.958
44075_4076	44075	4076	0.376	22.247	-0.143	-1.278	-13.361	-196.092
44076_4076	44076	4076	-0.373	17.905	0.106	1.079	13.361	196.249
44076_4077	44076	4077	0.373	-5.682	-0.106	-1.079	-14.237	-98.946
44077_4077	44077	4077	-0.373	5.682	0.106	1.104	14.237	98.947
44077_4078	44077	4078	0.373	15.664	-0.106	-1.104	-15.766	-170.861
44078_4078	44078	4078	-0.371	17.824	0.195	0.917	15.766	170.764
44078_4079	44078	4079	0.371	-1.195	-0.195	-0.917	-17.957	-64.029

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44079_4079	44079	4079	-0.371	1.195	0.195	0.917	17.957	64.029
44079_4080	44079	4080	0.371	15.434	-0.195	-0.917	-20.149	-143.942
44080_4080	44080	4080	-0.371	16.843	-0.079	0.566	20.149	143.774
44080_4081	44080	4081	0.371	-0.218	0.079	-0.566	-19.26	-48.043
44081_4081	44081	4081	-0.371	0.218	-0.079	0.566	19.26	48.043
44081_4082	44081	4082	0.371	16.407	0.079	-0.566	-18.371	-138.88
44082_4082	44082	4082	-0.372	18.155	-0.116	0.066	18.371	138.937
44082_4083	44082	4083	0.372	-0.285	0.116	-0.066	-16.968	-27.718
44083_4083	44083	4083	-0.372	0.285	-0.117	0.043	16.968	27.718
44083_4084	44083	4084	0.372	17.586	0.117	-0.043	-15.561	-132.068
44084_4084	44084	4084	-0.373	16.828	-0.246	-0.492	15.561	132.077
44084_4085	44084	4085	0.373	-0.207	0.246	0.492	-12.802	-36.512
44085_4085	44085	4085	-0.374	0.207	-0.246	-0.458	12.802	36.512
44085_4086	44085	4086	0.374	16.429	0.246	0.458	-10.045	-127.599
44086_4086	44086	4086	-0.374	16.33	-0.379	-0.862	10.045	127.468
44086_4087	44086	4087	0.374	0.292	0.379	0.862	-5.792	-37.497
44087_4087	44087	4087	-0.374	-0.292	-0.379	-0.829	5.792	37.498
44087_4088	44087	4088	0.374	16.913	0.379	0.829	-1.542	-134.014
44088_4088	44088	4088	-0.376	14.877	-0.189	-1.044	1.542	134.172
44088_4089	44088	4089	0.376	5.655	0.189	1.044	1.073	-70.266
44089_4089	44089	4089	-0.376	-5.655	-0.189	-1.101	-1.073	70.266
44089_4090	44089	4090	0.376	17.871	0.189	1.101	2.631	-167.262
44090_4090	44090	4090	-0.371	18.607	-0.659	-0.791	-2.631	167.438
44090_4091	44090	4091	0.371	-1.188	0.659	0.791	10.382	-51.066
44091_4091	44091	4091	-0.371	1.188	-0.659	-0.788	-10.382	51.082
44091_4092	44091	4092	0.371	18.146	0.659	0.788	19.118	-163.421
44092_4092	44092	4092	-0.381	18.173	1.032	-0.518	-19.118	163.273
44092_4093	44092	4093	0.381	0.062	-1.032	0.518	6.22	-50.113
44093_4093	44093	4093	-0.381	-0.062	1.032	-0.518	-6.22	50.113
44093_4094	44093	4094	0.381	18.298	-1.032	0.518	-6.679	-164.832
44094_4094	44094	4094	-0.445	19.069	-1.013	-0.384	6.679	164.846
44094_4095	44094	4095	0.445	-5.199	1.013	0.384	2.946	-49.513
44095_4095	44095	4095	-0.444	5.199	-1.013	-0.423	-2.946	49.515
44095_4096	44095	4096	0.444	6.116	1.013	0.423	10.801	-53.069
44096_4096	44096	4096	-0.446	-6.116	-1.012	-0.356	-10.801	53.069
44096_4097	44096	4097	0.446	17.416	1.012	0.356	18.64	-144.182
44097_4097	44097	4097	-0.443	18.076	0.312	-0.184	-18.64	144.186
44097_4098	44097	4098	0.443	-6.397	-0.312	0.184	16.145	-46.25
44098_4098	44098	4098	-0.443	6.397	0.312	-0.186	-16.145	46.25
44098_4099	44098	4099	0.443	5.267	-0.312	0.186	13.654	-41.732
44099_4099	44099	4099	-0.443	-5.267	0.312	-0.185	-13.654	41.732
44099_4100	44099	4100	0.443	16.946	-0.312	0.185	11.159	-130.619
44100_4100	44100	4100	-0.444	17.561	0.178	-0.087	-11.159	130.61
44100_4101	44100	4101	0.444	-8.801	-0.178	0.087	10.092	-51.488
44101_4101	44101	4101	-0.444	8.801	0.178	-0.001	-10.092	51.488
44101_4102	44101	4102	0.444	-0.042	-0.178	0.001	9.021	-24.947
44102_4102	44102	4102	-0.444	0.042	0.178	-0.003	-9.021	24.947
44102_4103	44102	4103	0.444	8.702	-0.178	0.003	7.951	-50.895
44103_4103	44103	4103	-0.444	-8.702	0.178	0	-7.951	50.895
44103_4104	44103	4104	0.444	17.461	-0.178	0	6.88	-129.417
44104_4104	44104	4104	-0.444	17.205	0.061	0.102	-6.88	129.42
44104_4105	44104	4105	0.444	-5.526	-0.061	-0.102	6.393	-38.457
44105_4105	44105	4105	-0.444	5.526	0.061	0.149	-6.393	38.457

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44105_4106	44105	4106	0.444	6.139	-0.061	-0.149	5.902	-40.908
44106_4106	44106	4106	-0.444	-6.139	0.061	0.15	-5.902	40.908
44106_4107	44106	4107	0.444	17.818	-0.061	-0.15	5.411	-136.773
44107_4107	44107	4107	-0.442	17.211	1.099	0.299	-5.411	136.796
44107_4108	44107	4108	0.442	-5.897	-1.099	-0.299	-3.113	-47.213
44108_4108	44108	4108	-0.441	5.897	1.1	0.358	3.113	47.213
44108_4109	44108	4109	0.441	5.402	-1.1	-0.358	-11.63	-45.298
44109_4109	44109	4109	-0.442	-5.402	1.1	0.309	11.63	45.298
44109_4110	44109	4110	0.442	19.271	-1.1	-0.309	-22.08	-162.55
44110_4110	44110	4110	-0.456	19.063	-1.154	0.452	22.08	162.553
44110_4111	44110	4111	0.456	-0.817	1.154	-0.452	-7.657	-38.264
44111_4111	44111	4111	-0.457	0.817	-1.153	0.482	7.657	38.264
44111_4112	44111	4112	0.457	17.415	1.153	-0.482	6.751	-141.948
44112_4112	44112	4112	-0.448	14.254	-0.277	0.879	-6.751	141.974
44112_4113	44112	4113	0.448	5.087	0.277	-0.879	10.425	-81.222
44113_4113	44113	4113	-0.448	-5.087	-0.277	1.04	-10.425	81.11
44113_4114	44113	4114	0.448	22.199	0.277	-1.04	13.682	-241.461
44114_4114	44114	4114	-0.441	17.149	0.387	1.224	-13.682	241.326
44114_4115	44114	4115	0.441	-5.15	-0.387	-1.224	10.496	-149.437
44115_4115	44115	4115	-0.441	5.15	0.386	0.929	-10.496	149.439
44115_4116	44115	4116	0.441	15.776	-0.386	-0.929	4.952	-225.804
44116_4116	44116	4116	-0.441	18.221	0.466	1.121	-4.952	225.822
44116_4117	44116	4117	0.441	-1.882	-0.466	-1.121	-0.277	-113.022
44117_4117	44117	4117	-0.441	1.882	0.466	1.121	0.277	113.022
44117_4118	44117	4118	0.441	14.457	-0.466	-1.121	-5.507	-183.581
44118_4118	44118	4118	-0.441	17.086	0.094	0.91	5.507	183.748
44118_4119	44118	4119	0.441	-0.749	-0.094	-0.91	-6.566	-83.686
44119_4119	44119	4119	-0.441	0.749	0.094	0.836	6.566	83.687
44119_4120	44119	4120	0.441	15.604	-0.094	-0.836	-7.622	-167.109
44120_4120	44120	4120	-0.44	18.28	0.066	0.46	7.622	166.927
44120_4121	44120	4121	0.44	-0.734	-0.066	-0.46	-8.413	-52.351
44121_4121	44121	4121	-0.441	0.734	0.065	0.417	8.413	52.352
44121_4122	44121	4122	0.441	16.827	-0.065	-0.417	-9.2	-149.399
44122_4122	44122	4122	-0.441	16.923	-0.064	-0.085	9.2	149.398
44122_4123	44122	4123	0.441	-0.587	0.064	0.085	-8.484	-51.161
44123_4123	44123	4123	-0.44	0.587	-0.064	-0.13	8.484	51.161
44123_4124	44123	4124	0.44	15.765	0.064	0.13	-7.763	-136.391
44124_4124	44124	4124	-0.439	16.449	-0.135	-0.525	7.763	136.23
44124_4125	44124	4125	0.439	-0.112	0.135	0.525	-6.245	-43.315
44125_4125	44125	4125	-0.439	0.112	-0.135	-0.525	6.245	43.315
44125_4126	44125	4126	0.439	16.224	0.135	0.525	-4.727	-133.707
44126_4126	44126	4126	-0.438	14.639	-0.582	-0.739	4.727	133.579
44126_4127	44126	4127	0.438	5.366	0.582	0.739	3.276	-69.875
44127_4127	44127	4127	-0.437	-5.366	-0.583	-0.807	-3.276	69.875
44127_4128	44127	4128	0.437	17.378	0.583	0.807	8.084	-163.698
44128_4128	44128	4128	-0.448	18.454	0.598	-0.664	-8.084	163.562
44128_4129	44128	4129	0.448	-1.346	-0.598	0.664	1.062	-47.236
44129_4129	44129	4129	-0.447	1.346	0.598	-0.558	-1.062	47.265
44129_4130	44129	4130	0.447	17.952	-0.598	0.558	-6.864	-157.284
44130_4130	44130	4130	-0.453	17.647	-0.234	-0.192	6.864	157.127
44130_4131	44130	4131	0.453	0.559	0.234	0.192	-3.94	-50.329
44131_4131	44131	4131	-0.453	-0.559	-0.234	-0.152	3.94	50.329
44131_4132	44131	4132	0.453	18.751	0.234	0.152	-1.023	-170.919

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44132_4132	44132	4132	-1.261	18.987	0.019	-0.288	1.023	164.449
44132_4133	44132	4133	1.261	-5.151	-0.019	0.288	-1.204	-49.793
44133_4133	44133	4133	-1.261	5.151	0.02	-0.259	1.204	49.794
44133_4134	44133	4134	1.261	6.137	-0.02	0.259	-1.357	-53.615
44134_4134	44134	4134	-1.261	-6.137	0.02	-0.259	1.357	53.615
44134_4135	44134	4135	1.261	17.439	-0.02	0.259	-1.511	-145.091
44135_4135	44135	4135	-1.223	18.223	-0.545	0.06	1.511	145.281
44135_4136	44135	4136	1.223	-6.57	0.545	-0.06	2.853	-46.097
44136_4136	44136	4136	-1.223	6.57	-0.545	0.06	-2.853	46.097
44136_4137	44136	4137	1.223	5.082	0.545	-0.06	7.217	-40.144
44137_4137	44137	4137	-1.223	-5.082	-0.545	0.06	-7.217	40.144
44137_4138	44137	4138	1.223	16.735	0.545	-0.06	11.581	-127.423
44138_4138	44138	4138	-1.236	17.472	0.354	-0.007	-11.581	127.333
44138_4139	44138	4139	1.236	-8.732	-0.354	0.007	9.46	-48.714
44139_4139	44139	4139	-1.236	8.732	0.354	-0.007	-9.46	48.714
44139_4140	44139	4140	1.236	0.007	-0.354	0.007	7.339	-22.537
44140_4140	44140	4140	-1.236	-0.007	0.354	-0.007	-7.339	22.537
44140_4141	44140	4141	1.236	8.747	-0.354	0.007	5.217	-48.802
44141_4141	44141	4141	-1.236	-8.747	0.354	-0.007	-5.217	48.802
44141_4142	44141	4142	1.236	17.487	-0.354	0.007	3.096	-127.51
44142_4142	44142	4142	-1.23	17.056	0.039	0.083	-3.096	127.427
44142_4143	44142	4143	1.23	-5.403	-0.039	-0.083	2.783	-37.581
44143_4143	44143	4143	-1.23	5.403	0.039	0.083	-2.783	37.581
44143_4144	44143	4144	1.23	6.25	-0.039	-0.083	2.47	-40.966
44144_4144	44144	4144	-1.23	-6.25	0.041	0.134	-2.47	40.966
44144_4145	44144	4145	1.23	17.902	-0.041	-0.134	2.145	-137.58
44145_4145	44145	4145	-1.248	17.052	1.013	0.185	-2.145	137.472
44145_4146	44145	4146	1.248	-5.778	-1.013	-0.185	-5.7	-49.11
44146_4146	44146	4146	-1.247	5.778	1.015	0.249	5.7	49.11
44146_4147	44146	4147	1.247	5.511	-1.015	-0.249	-13.568	-48.073
44147_4147	44147	4147	-1.248	-5.511	1.014	0.206	13.568	48.071
44147_4148	44147	4148	1.248	19.348	-1.014	-0.206	-23.203	-166.161
44148_4148	44148	4148	-1.231	19.329	-1.394	0.323	23.203	166.262
44148_4149	44148	4149	1.231	-1.122	1.394	-0.323	-5.774	-38.434
44149_4149	44149	4149	-1.231	1.122	-1.394	0.323	5.774	38.434
44149_4150	44149	4150	1.231	17.086	1.394	-0.323	11.654	-138.22
44150_4150	44150	4150	-1.252	13.795	0.325	0.678	-11.654	138.222
44150_4151	44150	4151	1.252	5.505	-0.325	-0.678	7.345	-83.295
44151_4151	44151	4151	-1.253	-5.505	0.324	0.684	-7.345	83.202
44151_4152	44151	4152	1.253	23.357	-0.324	-0.684	3.535	-252.779
44152_4152	44152	4152	-1.252	17.152	0.275	0.883	-3.535	252.78
44152_4153	44152	4153	1.252	-4.618	-0.275	-0.883	1.269	-162.974
44153_4153	44153	4153	-1.252	4.618	0.274	0.801	-1.269	162.972
44153_4154	44153	4154	1.252	16.258	-0.274	-0.801	-2.497	-242.949
44154_4154	44154	4154	-1.251	18.742	0.157	0.627	2.497	242.946
44154_4155	44154	4155	1.251	-2.03	-0.157	-0.627	-4.228	-128.69
44155_4155	44155	4155	-1.25	2.03	0.158	0.744	4.228	128.69
44155_4156	44155	4156	1.25	14.682	-0.158	-0.744	-5.971	-198.286
44156_4156	44156	4156	-1.251	16.541	0.173	0.265	5.971	198.284
44156_4157	44156	4157	1.251	-1.332	-0.173	-0.265	-7.7	-108.822
44157_4157	44157	4157	-1.251	1.332	0.174	0.374	7.7	108.822
44157_4158	44157	4158	1.251	13.876	-0.174	-0.374	-9.443	-171.609
44158_4158	44158	4158	-1.247	15.313	0.013	-0.185	9.443	171.462

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44158_4159	44158	4159	1.247	-0.105	-0.013	0.185	-9.572	-94.286
44159_4159	44159	4159	-1.247	0.105	0.014	-0.091	9.572	94.286
44159_4160	44159	4160	1.247	15.103	-0.014	0.091	-9.715	-169.357
44160_4160	44160	4160	-1.242	16.723	-0.373	-0.533	9.715	169.353
44160_4161	44160	4161	1.242	-0.011	0.373	0.533	-5.606	-77.309
44161_4161	44161	4161	-1.242	0.011	-0.373	-0.534	5.606	77.309
44161_4162	44161	4162	1.242	16.687	0.373	0.534	-1.502	-168.952
44162_4162	44162	4162	-1.242	15.567	-0.463	-0.734	1.502	169.065
44162_4163	44162	4163	1.242	5.324	0.463	0.734	4.869	-98.64
44163_4163	44163	4163	-1.241	-5.324	-0.465	-0.875	-4.869	98.637
44163_4164	44163	4164	1.241	17.858	0.465	0.875	8.706	-194.273
44164_4164	44164	4164	-1.242	19.445	-0.418	-0.49	-8.706	194.169
44164_4165	44164	4165	1.242	-1.593	0.418	0.49	13.613	-70.563
44165_4165	44165	4165	-1.241	1.593	-0.419	-0.546	-13.613	70.605
44165_4166	44165	4166	1.241	19.059	0.419	0.546	19.156	-186.241
44166_4166	44166	4166	-1.259	19.22	1.85	-0.172	-19.156	186.379
44166_4167	44166	4167	1.259	0.278	-1.85	0.172	-3.966	-67.978
44167_4167	44167	4167	-1.259	-0.278	1.85	-0.172	3.966	67.978
44167_4168	44167	4168	1.259	19.775	-1.85	0.172	-27.087	-193.321
44168_4168	44168	4168	-1.197	20.378	-1.455	-0.172	27.087	193.503
44168_4169	44168	4169	1.197	-5.56	1.455	0.172	-13.266	-70.289
44169_4169	44169	4169	-1.198	5.56	-1.454	-0.112	13.266	70.288
44169_4170	44169	4170	1.198	6.529	1.454	0.112	-1.998	-74.045
44170_4170	44170	4170	-1.198	-6.529	-1.454	-0.112	1.998	74.045
44170_4171	44170	4171	1.198	18.617	1.454	0.112	9.27	-171.495
44171_4171	44171	4171	-1.218	19.58	0.115	-0.032	-9.27	171.497
44171_4172	44171	4172	1.218	-7.101	-0.115	0.032	8.348	-64.763
44172_4172	44172	4172	-1.218	7.101	0.115	-0.032	-8.348	64.763
44172_4173	44172	4173	1.218	5.377	-0.115	0.032	7.426	-57.867
44173_4173	44173	4173	-1.218	-5.377	0.115	-0.032	-7.426	57.867
44173_4174	44173	4174	1.218	17.856	-0.115	0.032	6.505	-150.808
44174_4174	44174	4174	-1.218	18.837	0.178	0.032	-6.505	150.726
44174_4175	44174	4175	1.218	-9.478	-0.178	-0.032	5.438	-65.775
44175_4175	44175	4175	-1.218	9.478	0.178	0.032	-5.438	65.775
44175_4176	44175	4176	1.218	-0.119	-0.178	-0.032	4.372	-36.983
44176_4176	44176	4176	-1.218	0.119	0.178	0.032	-4.372	36.983
44176_4177	44176	4177	1.218	9.24	-0.178	-0.032	3.306	-64.349
44177_4177	44177	4177	-1.218	-9.24	0.178	0.032	-3.306	64.349
44177_4178	44177	4178	1.218	18.599	-0.178	-0.032	2.24	-147.873
44178_4178	44178	4178	-1.215	18.33	0.024	0.084	-2.24	147.791
44178_4179	44178	4179	1.215	-5.867	-0.024	-0.084	2.044	-51.116
44179_4179	44179	4179	-1.215	5.867	0.024	0.084	-2.044	51.116
44179_4180	44179	4180	1.215	6.612	-0.024	-0.084	1.849	-54.094
44180_4180	44180	4180	-1.215	-6.612	0.026	0.152	-1.849	54.094
44180_4181	44180	4181	1.215	19.09	-0.026	-0.152	1.641	-156.908
44181_4181	44181	4181	-1.227	18.289	1.784	0.139	-1.641	157.041
44181_4182	44181	4182	1.227	-6.201	-1.784	-0.139	-12.188	-62.133
44182_4182	44182	4182	-1.224	6.201	1.786	0.219	12.188	62.133
44182_4183	44182	4183	1.224	5.888	-1.786	-0.219	-26.029	-60.92
44183_4183	44183	4183	-1.226	-5.888	1.785	0.163	26.029	60.919
44183_4184	44183	4184	1.226	20.706	-1.785	-0.163	-42.987	-187.251
44184_4184	44184	4184	-1.175	20.599	-2.178	0.194	42.987	187.251
44184_4185	44184	4185	1.175	-1.101	2.178	-0.194	-15.755	-51.615

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44185_4185	44185	4185	-1.175	1.101	-2.178	0.194	15.755	51.615
44185_4186	44185	4186	1.175	18.397	2.178	-0.194	11.476	-159.722
44186_4186	44186	4186	-1.206	15.748	0.294	0.516	-11.476	159.724
44186_4187	44186	4187	1.206	4.919	-0.294	-0.516	7.58	-87.978
44187_4187	44187	4187	-1.207	-4.919	0.293	0.433	-7.58	87.672
44187_4188	44187	4188	1.207	24.037	-0.293	-0.433	4.136	-257.804
44188_4188	44188	4188	-1.206	19.273	0.275	0.52	-4.136	257.804
44188_4189	44188	4189	1.206	-5.85	-0.275	-0.52	1.87	-154.163
44189_4189	44189	4189	-1.206	5.85	0.274	0.447	-1.87	154.17
44189_4190	44189	4190	1.206	16.505	-0.274	-0.447	-1.896	-227.378
44190_4190	44190	4190	-1.194	19.478	-0.718	0.306	1.896	227.375
44190_4191	44190	4191	1.194	-1.581	0.718	-0.306	6.007	-111.541
44191_4191	44191	4191	-1.194	1.581	-0.717	0.408	-6.007	111.54
44191_4192	44191	4192	1.194	16.316	0.717	-0.408	13.897	-192.591
44192_4192	44192	4192	-1.213	17.485	0.8	-0.273	-13.897	192.586
44192_4193	44192	4193	1.213	-1.134	-0.8	0.273	5.854	-99.015
44193_4193	44193	4193	-1.213	1.134	0.8	-0.273	-5.854	99.015
44193_4194	44193	4194	1.213	15.218	-0.8	0.273	-2.19	-169.794
44194_4194	44194	4194	-1.204	16.199	0.455	-0.711	2.19	169.64
44194_4195	44194	4195	1.204	0.136	-0.455	0.711	-6.757	-88.997
44195_4195	44195	4195	-1.204	-0.136	0.454	-0.798	6.757	88.996
44195_4196	44195	4196	1.204	16.488	-0.454	0.798	-11.317	-172.538
44196_4196	44196	4196	-1.164	17.756	-1.534	-0.915	11.317	172.691
44196_4197	44196	4197	1.164	0.141	1.534	0.915	5.558	-75.805
44197_4197	44197	4197	-1.163	-0.141	-1.535	-0.984	-5.558	75.804
44197_4198	44197	4198	1.163	18.039	1.535	0.984	22.444	-175.802
44198_4198	44198	4198	-1.187	16.507	-0.331	-1.149	-22.444	175.799
44198_4199	44198	4199	1.187	5.864	0.331	1.149	27.002	-102.619
44199_4199	44199	4199	-1.187	-5.864	-0.331	-1.098	-27.002	102.617
44199_4200	44199	4200	1.187	19.287	0.331	1.098	29.732	-206.375
44200_4200	44200	4200	-1.184	20.98	-0.643	-0.428	-29.732	206.247
44200_4201	44200	4201	1.184	-1.879	0.643	0.428	37.283	-72.051
44201_4201	44201	4201	-1.184	1.879	-0.642	-0.377	-37.283	72.059
44201_4202	44201	4202	1.184	20.522	0.642	0.377	45.794	-195.576
44202_4202	44202	4202	-1.221	20.745	1.264	0.035	-45.794	195.586
44202_4203	44202	4203	1.221	0.388	-1.264	-0.035	29.993	-68.342
44203_4203	44203	4203	-1.221	-0.388	1.264	0.035	-29.993	68.342
44203_4204	44203	4204	1.221	21.521	-1.264	-0.035	14.193	-205.283
44204_4204	44204	4204	-1.175	22.019	-1.085	0.321	-14.193	205.289
44204_4205	44204	4205	1.175	-5.958	1.085	-0.321	24.502	-72.389
44205_4205	44205	4205	-1.176	5.958	-1.084	0.385	-24.502	72.385
44205_4206	44205	4206	1.176	7.145	1.084	-0.385	32.904	-76.985
44206_4206	44206	4206	-1.174	-7.145	-1.086	0.285	-32.904	76.985
44206_4207	44206	4207	1.174	20.247	1.086	-0.285	41.319	-183.138
44207_4207	44207	4207	-1.207	21.011	0.576	0.654	-41.319	183.139
44207_4208	44207	4208	1.207	-7.486	-0.576	-0.654	36.709	-69.145
44208_4208	44208	4208	-1.208	7.486	0.575	0.568	-36.709	69.146
44208_4209	44208	4209	1.208	6.039	-0.575	-0.568	32.11	-63.36
44209_4209	44209	4209	-1.208	-6.039	0.575	0.568	-32.11	63.36
44209_4210	44209	4210	1.208	19.564	-0.575	-0.568	27.512	-165.784
44210_4210	44210	4210	-1.218	20.372	0.796	0.82	-27.512	165.667
44210_4211	44210	4211	1.218	-10.228	-0.796	-0.82	22.735	-73.861
44211_4211	44211	4211	-1.218	10.228	0.796	0.818	-22.735	73.861

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44211_4212	44211	4212	1.218	-0.101	-0.796	-0.818	17.966	-42.923
44212_4212	44212	4212	-1.218	0.101	0.796	0.819	-17.966	42.923
44212_4213	44212	4213	1.218	10.043	-0.796	-0.819	13.188	-72.75
44213_4213	44213	4213	-1.218	-10.043	0.796	0.819	-13.188	72.75
44213_4214	44213	4214	1.218	20.186	-0.796	-0.819	8.411	-163.446
44214_4214	44214	4214	-1.213	20.007	1.118	0.99	-8.411	163.576
44214_4215	44214	4215	1.213	-6.482	-1.118	-0.99	-0.532	-57.615
44215_4215	44215	4215	-1.213	6.482	1.118	0.99	0.532	57.615
44215_4216	44215	4216	1.213	7.043	-1.118	-0.99	-9.475	-59.861
44216_4216	44216	4216	-1.213	-7.043	1.118	0.99	9.475	59.861
44216_4217	44216	4217	1.213	20.568	-1.118	-0.99	-18.418	-170.314
44217_4217	44217	4217	-1.216	19.866	1.271	1.082	18.418	170.443
44217_4218	44217	4218	1.216	-6.763	-1.271	-1.082	-28.27	-67.247
44218_4218	44218	4218	-1.214	6.763	1.273	1.169	28.27	67.246
44218_4219	44218	4219	1.214	6.339	-1.273	-1.169	-38.135	-65.6
44219_4219	44219	4219	-1.215	-6.339	1.272	1.1	38.135	65.6
44219_4220	44219	4220	1.215	22.399	-1.272	-1.1	-50.216	-202.116
44220_4220	44220	4220	-1.138	22.391	-0.783	0.84	50.216	202.052
44220_4221	44220	4221	1.138	-1.26	0.783	-0.84	-40.429	-54.236
44221_4221	44221	4221	-1.138	1.26	-0.783	0.84	40.429	54.236
44221_4222	44221	4222	1.138	19.871	0.783	-0.84	-30.642	-170.561
44222_4222	44222	4222	-1.142	17.202	-3.867	1.349	30.642	170.406
44222_4223	44222	4223	1.142	5.197	3.867	-1.349	20.591	-90.877
44223_4223	44223	4223	-1.144	-5.197	-3.866	2.138	-20.591	90.706
44223_4224	44223	4224	1.144	25.901	3.866	-2.138	66.017	-273.41
44224_4224	44224	4224	-1.092	22.161	4.207	0.82	-66.017	273.265
44224_4225	44224	4225	1.092	-7.64	-4.207	-0.82	31.347	-150.469
44225_4225	44225	4225	-1.09	7.64	4.207	0.839	-31.347	150.465
44225_4226	44225	4226	1.09	20.01	-4.207	-0.839	-34.672	-247.531
44226_4226	44226	4226	-1.061	22.395	0.007	0.623	34.672	247.476
44226_4227	44226	4227	1.061	-1.301	-0.007	-0.623	-34.758	-105.632
44227_4227	44227	4227	-1.061	1.301	0.013	1.24	34.758	105.627
44227_4228	44227	4228	1.061	19.796	-0.013	-1.24	-34.919	-216.355
44228_4228	44228	4228	-1.105	21.674	3.249	-0.331	34.919	216.405
44228_4229	44228	4229	1.105	-0.572	-3.249	0.331	-73.826	-83.194
44229_4229	44229	4229	-1.105	0.572	3.249	-0.331	73.826	83.194
44229_4230	44229	4230	1.105	20.529	-3.249	0.331	-112.733	-202.694
44230_4230	44230	4230	-0.79	21.478	-6.57	-0.478	112.733	202.702
44230_4231	44230	4231	0.79	0.064	6.57	0.478	-32.404	-71.799
44231_4231	44231	4231	-0.843	-0.064	-6.563	0.111	32.404	71.801
44231_4232	44231	4232	0.843	21.595	6.563	-0.111	47.8	-204.139
44232_4232	44232	4232	-1.022	21.574	0.089	-1.571	-47.8	204.292
44232_4233	44232	4233	1.022	-0.462	-0.089	1.571	46.734	-72.277
44233_4233	44233	4233	-1.022	0.462	0.088	-1.64	-46.734	72.271
44233_4234	44233	4234	1.022	20.703	-0.088	1.64	45.676	-193.835
44234_4234	44234	4234	-1.02	19.885	-0.093	-0.483	-45.676	193.889
44234_4235	44234	4235	1.02	-0.871	0.093	0.483	46.674	-81.895
44235_4235	44235	4235	-1.021	0.871	-0.079	0.265	-46.674	81.917
44235_4236	44235	4236	1.021	17.717	0.079	-0.265	47.46	-165.531
44236_4236	44236	4236	-1.63	17.27	12.784	-0.778	-47.46	165.583
44236_4237	44236	4237	1.63	1.563	-12.784	0.778	-81.113	-86.597
44237_4237	44237	4237	-1.625	-1.563	12.785	-0.745	81.113	86.597
44237_4238	44237	4238	1.625	21.541	-12.785	0.745	-217.507	-209.839

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44238_4238	44238	4238	0.106	23.914	-11.351	0.272	217.507	209.97
44238_4239	44238	4239	-0.106	-0.297	11.351	-0.272	-74.349	-57.297
44239_4239	44239	4239	0.036	0.297	-11.352	0.693	74.349	57.298
44239_4240	44239	4240	-0.036	21.958	11.352	-0.693	60.566	-186.015
44240_4240	44240	4240	-0.854	20.472	2.774	-0.047	-60.566	185.872
44240_4241	44240	4241	0.854	-2.371	-2.774	0.047	33.753	-75.47
44241_4241	44241	4241	-0.854	2.371	2.774	-0.052	-33.753	75.47
44241_4242	44241	4242	0.854	16.255	-2.774	0.052	6.162	-144.518
44242_4242	44242	4242	-0.743	18.061	0.961	0.534	-6.162	144.641
44242_4243	44242	4243	0.743	0.753	-0.961	-0.534	-3.49	-57.692
44243_4243	44243	4243	-0.744	-0.753	0.96	0.498	3.49	57.693
44243_4244	44243	4244	0.744	18.703	-0.96	-0.498	-12.694	-150.942
44244_4244	44244	4244	-0.688	18.717	-0.032	0.346	12.694	150.775
44244_4245	44244	4245	0.688	-1.432	0.032	-0.346	-12.394	-57.779
44245_4245	44245	4245	-0.688	1.432	-0.028	0.714	12.394	57.776
44245_4246	44245	4246	0.688	18.023	0.028	-0.714	-12.102	-143.965
44246_4246	44246	4246	-0.674	16.789	0.533	0.446	12.102	143.919
44246_4247	44246	4247	0.674	2.235	-0.533	-0.446	-17.521	-69.991
44247_4247	44247	4247	-0.674	-2.235	0.534	0.458	17.521	69.99
44247_4248	44247	4248	0.674	19.943	-0.534	-0.458	-22.566	-174.85
44248_4248	44248	4248	-0.531	21.545	0.106	-0.113	22.566	175.501
44248_4249	44248	4249	0.531	3.494	-0.106	0.113	-23.988	-54.817
44249_4249	44249	4249	-0.529	-3.494	0.114	0.71	23.988	54.812
44249_4250	44249	4250	0.529	24.333	-0.114	-0.71	-25.259	-209.646
44250_4250	44250	4250	-0.429	22.584	0.013	0.119	25.259	209.836
44250_4251	44250	4251	0.429	1.737	-0.013	-0.119	-25.425	-74.456
44251_4251	44251	4251	-0.429	-1.737	0.013	0.082	25.425	74.456
44251_4252	44251	4252	0.429	17.907	-0.013	-0.082	-25.533	-159.27
44252_4252	44252	4252	-0.385	17.751	-1.976	0.681	25.533	159.251
44252_4253	44252	4253	0.385	4.124	1.976	-0.681	-2.455	-79.656
44253_4253	44253	4253	-0.397	-4.124	-1.973	1.157	2.455	79.651
44253_4254	44253	4254	0.397	22.735	1.973	-1.157	17.156	-213.125
44254_4254	44254	4254	-0.471	19.777	2.266	-1.974	-17.156	212.79
44254_4255	44254	4255	0.471	5.136	-2.266	1.974	-11.403	-120.509
44255_4255	44255	4255	-0.472	-5.136	2.265	-2.046	11.403	120.507
44255_4256	44255	4256	0.472	28.635	-2.265	2.046	-38.338	-321.279
44256_4256	44256	4256	-0.409	24.02	-2.532	-2.211	38.338	321.539
44256_4257	44256	4257	0.409	-1.595	2.532	2.211	-9.608	-176.215
44257_4257	44257	4257	-0.429	1.595	-2.529	-0.88	9.608	176.227
44257_4258	44257	4258	0.429	21.548	2.529	0.88	20.003	-293.051
44258_4258	44258	4258	-0.442	21.725	-2.707	-1.882	-20.003	293.075
44258_4259	44258	4259	0.442	1.273	2.707	1.882	51.508	-174.071
44259_4259	44259	4259	-0.444	-1.273	-2.707	-1.752	-51.508	174.073
44259_4260	44259	4260	0.444	23.834	2.707	1.752	82.411	-317.389
44260_4260	44260	4260	-0.447	21.399	-4.187	-3.274	-82.411	317.346
44260_4261	44260	4261	0.447	1.461	4.187	3.274	130.85	-202.028
44261_4261	44261	4261	-0.495	-1.461	-4.182	-0.928	-130.85	202.052
44261_4262	44261	4262	0.495	24.139	4.182	0.928	178.838	-348.933
44262_4262	44262	4262	-0.354	21.833	5.827	-5.124	-178.838	349.112
44262_4263	44262	4263	0.354	3.259	-5.827	5.124	104.856	-231.199
44263_4263	44263	4263	-0.355	-3.259	5.827	-5.135	-104.856	231.199
44263_4264	44263	4264	0.355	25.976	-5.827	5.135	37.878	-399.226
44264_4264	44264	4264	-0.697	26.493	-20.04	-2.729	-37.878	399.343

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44264_4265	44264	4265	0.697	-1.167	20.04	2.729	294.681	-222.116
44265_4265	44265	4265	-0.789	1.167	-20.036	-1.701	-294.681	222.126
44265_4266	44265	4266	0.789	22.255	20.036	1.701	532.154	-347.095
44266_4266	44266	4266	0.286	25.776	24.248	-2.301	-532.154	347.086
44266_4267	44266	4267	-0.286	-5.212	-24.248	2.301	279.848	-185.869
44267_4267	44267	4267	0.287	5.212	24.248	-2.291	-279.848	185.869
44267_4268	44267	4268	-0.287	12.791	-24.248	2.291	58.955	-220.393
44268_4268	44268	4268	0.036	20.724	4.385	0.426	-58.955	220.359
44268_4269	44268	4269	-0.036	6.033	-4.385	-0.426	0.513	-122.472
44269_4269	44269	4269	0.086	-6.033	4.385	1.823	-0.513	122.459
44269_4270	44269	4270	-0.086	27.32	-4.385	-1.823	-45.975	-299.265
44270_4270	44270	4270	-0.079	36.628	-1.901	0.869	45.975	298.899
44270_4271	44270	4271	0.079	-8.984	1.901	-0.869	-19.794	15.11
44271_4271	44271	4271	-0.078	8.984	-1.901	0.871	19.794	-15.109
44271_4272	44271	4272	0.078	11.916	1.901	-0.871	0	-0.153
44372_4372	44372	4372	-0.077	8.76	-1.288	0.565	0	0.145
44372_4373	44372	4373	0.077	9.732	1.288	-0.565	15.942	-6.155
44373_4373	44373	4373	-0.078	-9.732	-1.288	0.568	-15.942	6.154
44373_4374	44373	4374	0.078	27.435	1.288	-0.568	31.205	-226.343
44374_4374	44374	4374	-0.027	19.763	1.864	0.82	-31.205	226.05
44374_4375	44374	4375	0.027	-2.364	-1.864	-0.82	9.493	-97.219
44375_4375	44375	4375	-0.026	2.364	1.865	0.879	-9.493	97.219
44375_4376	44375	4376	0.026	13.016	-1.865	-0.879	-9.698	-152.038
44376_4376	44376	4376	0.014	15.665	-0.332	0.371	9.698	152.258
44376_4377	44376	4377	-0.014	1.28	0.332	-0.371	-5.936	-70.691
44377_4377	44377	4377	0.01	-1.28	-0.332	1.225	5.936	70.682
44377_4378	44377	4378	-0.01	17.883	0.332	-1.225	-2.247	-177.15
44378_4378	44378	4378	-0.102	17.487	0.276	0.906	2.247	177.114
44378_4379	44378	4379	0.102	0.145	-0.276	-0.906	-5.503	-74.796
44379_4379	44379	4379	-0.102	-0.145	0.276	0.879	5.503	74.797
44379_4380	44379	4380	0.102	18.416	-0.276	-0.879	-8.876	-188.275
44380_4380	44380	4380	-0.117	15.979	-0.078	0.52	8.876	188.362
44380_4381	44380	4381	0.117	0.296	0.078	-0.52	-8.022	-102.947
44381_4381	44381	4381	-0.117	-0.296	-0.078	1.29	8.022	102.94
44381_4382	44381	4382	0.117	14.886	0.078	-1.29	-7.265	-177.065
44382_4382	44382	4382	-0.125	18.464	-0.631	1.491	7.265	176.87
44382_4383	44382	4383	0.125	-1.035	0.631	-1.491	0.099	-63.15
44383_4383	44383	4383	-0.125	1.035	-0.631	1.52	-0.099	63.149
44383_4384	44383	4384	0.125	16.426	0.631	-1.52	7.475	-153.082
44384_4384	44384	4384	-0.119	18.015	-0.157	2.048	-7.475	152.977
44384_4385	44384	4385	0.119	0.514	0.157	-2.048	9.432	-43.56
44385_4385	44385	4385	-0.119	-0.514	-0.156	2.072	-9.432	43.558
44385_4386	44385	4386	0.119	15.647	0.156	-2.072	11.031	-126.084
44386_4386	44386	4386	-0.113	18.096	0.423	1.816	-11.031	126.371
44386_4387	44386	4387	0.113	-0.388	-0.423	-1.816	5.972	-15.92
44387_4387	44387	4387	-0.109	0.388	0.424	1.955	-5.972	15.903
44387_4388	44387	4388	0.109	17.766	-0.424	-1.955	0.773	-122.361
44388_4388	44388	4388	-0.105	18.28	0.621	1.685	-0.773	122.83
44388_4389	44388	4389	0.105	0.59	-0.621	-1.685	-7.139	-10.189
44389_4389	44389	4389	-0.105	-0.59	0.621	1.683	7.139	10.189
44389_4390	44389	4390	0.105	17.587	-0.621	-1.683	-14.265	-114.438
44390_4390	44390	4390	-0.102	17.969	0.399	1.121	14.265	114.371
44390_4391	44390	4391	0.102	1.539	-0.399	-1.121	-19.522	-6.216

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44391_4391	44391	4391	-0.099	-1.539	0.4	1.172	19.522	6.207
44391_4392	44391	4392	0.099	17.894	-0.4	-1.172	-23.939	-113.457
44392_4392	44392	4392	-0.102	17.456	0.073	0.492	23.939	113.498
44392_4393	44392	4393	0.102	0.915	-0.073	-0.492	-24.846	-10.958
44393_4393	44393	4393	-0.102	-0.915	0.073	0.496	24.846	10.958
44393_4394	44393	4394	0.102	18.403	-0.073	-0.496	-25.71	-124.954
44394_4394	44394	4394	-0.09	18.323	1.673	-0.282	25.71	124.765
44394_4395	44394	4395	0.09	-0.742	-1.673	0.282	-45.56	-11.659
44395_4395	44395	4395	-0.074	0.742	1.674	-0.169	45.56	11.662
44395_4396	44395	4396	0.074	17.527	-1.674	0.169	-66.197	-115.131
44396_4396	44396	4396	-0.105	12.963	-3.06	-0.978	66.197	115.467
44396_4397	44396	4397	0.105	4.953	3.06	0.978	-29.199	-67.039
44397_4397	44397	4397	-0.104	-4.953	-3.06	-1.006	29.199	67.039
44397_4398	44397	4398	0.104	22.899	3.06	1.006	7.859	-235.694
44398_4398	44398	4398	-0.082	30.147	0.261	-0.749	-7.859	235.502
44398_4399	44398	4399	0.082	-11.383	-0.261	0.749	4.558	27.448
44399_4399	44399	4399	-0.081	11.383	0.261	-0.841	-4.558	-27.445
44399_4400	44399	4400	0.081	7.32	-0.261	0.841	1.264	53.089
44400_4400	44400	4400	-0.08	-7.32	0.261	-0.888	-1.264	-53.088
44400_4401	44400	4401	0.08	14.499	-0.261	0.888	0	0.231
44572_4572	44572	4572	-0.022	8.847	-0.191	0.708	0	-0.02
44572_4573	44572	4573	0.022	9.654	0.191	-0.708	2.364	-4.974
44573_4573	44573	4573	-0.022	-9.654	-0.191	0.71	-2.364	4.973
44573_4574	44573	4574	0.022	27.228	0.191	-0.71	4.609	-221.871
44574_4574	44574	4574	-0.027	19.274	0.105	0.595	-4.609	222.014
44574_4575	44574	4575	0.027	-2.157	-0.105	-0.595	3.403	-99.26
44575_4575	44575	4575	-0.027	2.157	0.105	0.635	-3.403	99.26
44575_4576	44575	4576	0.027	13.061	-0.105	-0.635	2.332	-154.793
44576_4576	44576	4576	-0.032	15.917	0.256	0.284	-2.332	154.877
44576_4577	44576	4577	0.032	1.077	-0.256	-0.284	-0.576	-70.48
44577_4577	44577	4577	-0.028	-1.077	0.256	1.196	0.576	70.47
44577_4578	44577	4578	0.028	17.961	-0.256	-1.196	-3.47	-178.036
44578_4578	44578	4578	0.101	17.294	0.529	0.779	3.47	178.05
44578_4579	44578	4579	-0.101	0.041	-0.529	-0.779	-9.607	-77.963
44579_4579	44579	4579	0.101	-0.041	0.529	0.724	9.607	77.964
44579_4580	44579	4580	-0.101	18.488	-0.529	-0.724	-16.138	-192.34
44580_4580	44580	4580	0.075	16.454	-0.664	0.526	16.138	192.362
44580_4581	44580	4581	-0.075	-0.232	0.664	-0.526	-8.925	-101.784
44581_4581	44581	4581	0.071	0.232	-0.665	1.093	8.925	101.779
44581_4582	44581	4582	-0.071	14.315	0.665	-1.093	-2.453	-170.333
44582_4582	44582	4582	0.07	18.33	-0.276	1.14	2.453	170.47
44582_4583	44582	4583	-0.07	-1.214	0.276	-1.14	0.705	-58.535
44583_4583	44583	4583	0.07	1.214	-0.276	1.188	-0.705	58.534
44583_4584	44583	4584	-0.07	16.395	0.276	-1.188	3.955	-147.986
44584_4584	44584	4584	0.063	17.869	-0.622	1.469	-3.955	148.135
44584_4585	44584	4585	-0.063	0.515	0.622	-1.469	11.677	-40.486
44585_4585	44585	4585	0.063	-0.515	-0.622	1.476	-11.677	40.485
44585_4586	44585	4586	-0.063	15.698	0.622	-1.476	18.054	-123.549
44586_4586	44586	4586	0.07	18.027	0.8	1.496	-18.054	123.198
44586_4587	44586	4587	-0.07	-0.535	-0.8	-1.496	8.613	-13.641
44587_4587	44587	4587	0.076	0.535	0.799	1.591	-8.613	13.63
44587_4588	44587	4588	-0.076	17.73	-0.799	-1.591	-1.24	-119.611
44588_4588	44588	4588	0.07	18.115	0.385	1.372	1.24	119.236

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
44588_4589	44588	4589	-0.07	0.582	-0.385	-1.372	-6.101	-8.623
44589_4589	44589	4589	0.07	-0.582	0.385	1.362	6.101	8.625
44589_4590	44589	4590	-0.07	17.629	-0.385	-1.362	-10.534	-113.38
44590_4590	44590	4590	0.072	17.868	0.379	0.969	10.534	113.529
44590_4591	44590	4591	-0.072	1.528	-0.379	-0.969	-15.49	-6.585
44591_4591	44591	4591	0.075	-1.528	0.378	1.02	15.49	6.577
44591_4592	44591	4592	-0.075	17.891	-0.378	-1.02	-19.665	-113.795
44592_4592	44592	4592	0.074	17.415	0.33	0.538	19.665	113.844
44592_4593	44592	4593	-0.074	0.705	-0.33	-0.538	-23.696	-11.669
44593_4593	44593	4593	0.074	-0.705	0.33	0.528	23.696	11.67
44593_4594	44593	4594	-0.074	18.332	-0.33	-0.528	-27.618	-124.906
44594_4594	44594	4594	0.081	17.927	0.81	-0.11	27.618	124.449
44594_4595	44594	4595	-0.081	-0.335	-0.81	0.11	-37.232	-16.037
44595_4595	44595	4595	0.087	0.335	0.809	0.02	37.232	16.037
44595_4596	44595	4596	-0.087	17.815	-0.809	-0.02	-47.143	-123.095
44596_4596	44596	4596	0.06	14.074	-1.751	-0.276	47.143	122.995
44596_4597	44596	4597	-0.06	3.822	1.751	0.276	-25.998	-61.083
44597_4597	44597	4597	0.062	-3.822	-1.751	-0.335	25.998	61.083
44597_4598	44597	4598	-0.062	21.667	1.751	0.335	-4.912	-214.564
44598_4598	44598	4598	0.053	27.863	-0.183	-0.322	4.912	214.7
44598_4599	44598	4599	-0.053	-9.138	0.183	0.322	-2.595	19.083
44599_4599	44599	4599	0.052	9.138	-0.184	-0.379	2.595	-19.082
44599_4600	44599	4600	-0.052	9.494	0.184	0.379	-0.288	16.842
44600_4600	44600	4600	0.052	-9.494	-0.184	-0.407	0.288	-16.842
44600_4601	44600	4601	-0.052	11.817	0.184	0.407	0	0.141
45000_5000	45000	5000	5.533	457.955	3.479	5.171	0	23.739
45000_5001	45000	5001	-5.533	-420.855	-3.479	-5.171	-44.266	5566.703
45001_5001	45001	5001	5.538	420.855	3.472	-2.309	44.266	-5566.71
45001_5002	45001	5002	-5.538	-392.028	-3.472	2.309	-78.588	9584.723
45002_5002	45002	5002	5.502	340.949	-3.459	11.965	78.588	-9584.86
45002_5003	45002	5003	-5.502	-305.535	3.459	-11.965	-36.586	13510.49
45003_5003	45003	5003	5.496	305.535	-3.467	-8.657	36.586	-13510.5
45003_5004	45003	5004	-5.496	-270.158	3.467	8.657	5.475	17002.65
45004_5004	45004	5004	5.518	224.981	1.053	9.813	-5.475	-17002.9
45004_5005	45004	5005	-5.518	-189.582	-1.053	-9.813	-7.309	19519.2
45005_5005	45005	5005	5.519	189.582	1.048	-8.175	7.309	-19519.2
45005_5006	45005	5006	-5.519	-154.158	-1.048	8.175	-20.04	21607.08
45006_5006	45006	5006	5.514	105.42	-0.3	18.846	20.04	-21607.3
45006_5007	45006	5007	-5.514	-70.028	0.3	-18.846	-16.398	22672.02
45007_5007	45007	5007	5.513	70.028	-0.309	-18.225	16.398	-22672
45007_5008	45007	5008	-5.513	-34.644	0.309	18.225	-12.648	23307.08
45008_5008	45008	5008	5.522	-12.395	0.94	18.484	12.648	-23307.4
45008_5009	45008	5009	-5.522	47.804	-0.94	-18.484	-24.062	22941.88
45009_5009	45009	5009	5.524	-47.804	0.931	-19.021	24.062	-22941.9
45009_5010	45009	5010	-5.524	83.207	-0.931	19.021	-35.364	22146.6
45010_5010	45010	5010	5.52	-130.428	-0.094	-0.774	35.364	-22147
45010_5011	45010	5011	-5.52	165.824	0.094	0.774	-34.224	20348.99
45011_5011	45011	5011	5.52	-165.824	-0.094	-0.774	34.224	-20349
45011_5012	45011	5012	-5.52	201.219	0.094	0.774	-33.084	18121.39
45012_5012	45012	5012	5.52	-247.667	-0.056	4.186	33.084	-18121.7
45012_5013	45012	5013	-5.52	283.081	0.056	-4.186	-32.401	14898.86
45013_5013	45013	5013	5.52	-283.081	-0.06	-6.562	32.401	-14898.9
45013_5014	45013	5014	-5.52	318.463	0.06	6.562	-31.67	11249.48

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45014_5014	45014	5014	5.528	-364.35	1.224	1.339	31.67	-11249.6
45014_5015	45014	5015	-5.528	411.44	-1.224	-1.339	-51.438	4985.618
45015_5015	45015	5015	10.208	-411.348	1.22	-3.525	51.404	-4982.11
45015_5016	45015	5016	-10.464	433.838	-1.22	3.525	-61.476	1493.517
45016_5016	45016	5016	21.282	-479.991	-0.559	-2.03	61.478	-1495.13
45016_5017	45016	5017	-22.335	512.077	0.559	2.03	-54.905	-4333.63
45017_5017	45017	5017	36.651	-511.243	-0.564	0.336	55.065	4333.844
45017_5018	45017	5018	-39.019	550.137	0.564	-0.336	-47.568	-11384.1
45018_5018	45018	5018	58.439	-592.798	0.179	-9.253	46.825	11384.06
45018_5019	45018	5019	-61.87	631.244	-0.179	9.253	-49.062	-19054.2
45019_5019	45019	5019	79.184	-629.304	0.173	7.792	50.939	19054.18
45019_5020	45019	5020	-83.979	670.273	-0.173	-7.792	-53.117	-27232.4
45020_5020	45020	5020	-2531.46	207.11	-15.894	-2.113	393.315	5866.656
45020_5021	45020	5021	2531.462	-180.548	15.894	2.113	-242.382	-4026.05
45021_5021	45021	5021	-2531.47	180.548	-15.492	-1.28	242.382	4019.247
45021_5022	45021	5022	2531.465	-160.963	15.492	1.28	-122.229	-2694.93
45022_5022	45022	5022	-2531.48	160.963	-12.597	1.802	122.229	2694.931
45022_5023	45022	5023	2531.481	-141.405	12.597	-1.802	-24.672	-1524.07
45023_5023	45023	5023	-2531.5	97.945	-6.36	-0.037	24.672	1524.069
45023_5024	45023	5024	2531.502	-77.732	6.36	0.037	26.238	-820.994
45024_5024	45024	5024	-2531.49	77.732	-9.841	-1.166	-26.238	820.993
45024_5025	45024	5025	2531.49	-57.541	9.841	1.166	104.923	-280.219
45025_5025	45025	5025	-2531.51	57.541	-3.215	-0.432	-104.923	280.221
45025_5026	45025	5026	2531.508	-37.331	3.215	0.432	130.651	99.416
45026_5026	45026	5026	-2531.51	-9.046	-2.584	-0.711	-130.651	-99.415
45026_5027	45026	5027	2531.511	24.203	2.584	0.711	146.162	-0.369
45027_5027	45027	5027	-2531.51	-24.203	-3.021	-0.711	-146.162	0.369
45027_5028	45027	5028	2531.511	39.335	3.021	0.711	164.263	-190.736
45028_5028	45028	5028	-2531.51	-39.335	-2.584	-0.678	-164.263	190.736
45028_5029	45028	5029	2531.511	54.493	2.584	0.678	179.775	-472.319
45029_5029	45029	5029	-2531.51	-54.493	1.611	0.105	-179.775	472.32
45029_5030	45029	5030	2531.512	69.647	-1.611	-0.105	170.105	-844.806
45030_5030	45030	5030	-2531.52	-115.745	1.09	-1.985	-170.105	844.782
45030_5031	45030	5031	2531.522	135.95	-1.09	1.985	161.385	-1851.7
45031_5031	45031	5031	-2531.52	-135.95	4.238	0.318	-161.385	1851.705
45031_5032	45031	5032	2531.519	156.153	-4.238	-0.318	127.481	-3020.13
45032_5032	45032	5032	-2531.52	-156.153	4.238	0.318	-127.481	3020.134
45032_5033	45032	5033	2531.519	176.356	-4.238	-0.318	93.577	-4350.19
45033_5033	45033	5033	-2531.47	-220.709	12.498	-2.95	-93.577	4350.3
45033_5034	45033	5034	2531.47	240.273	-12.498	2.95	-3.249	-6136
45034_5034	45034	5034	-2531.47	-240.273	12.498	-2.95	3.249	6135.999
45034_5035	45034	5035	2531.47	259.838	-12.498	2.95	-100.074	-8073.27
45035_5035	45035	5035	-2531.46	-259.838	15.036	5.216	100.074	8080.428
45035_5036	45035	5036	2531.456	286.34	-15.036	-5.216	-242.537	-10667.9
45036_5036	45036	5036	85.85	556.105	0.915	-31.066	-4.622	33347.63
45036_5037	45036	5037	-81.055	-515.059	-0.915	31.066	-6.915	-26594.9
45037_5037	45037	5037	66.919	517.11	0.869	27.911	0.799	26594.91
45037_5038	45037	5038	-63.487	-478.604	-0.869	-27.911	-11.701	-20346.4
45038_5038	45038	5038	47.644	440.936	-0.414	-6.48	14.535	20347.17
45038_5039	45038	5039	-45.276	-402.089	0.414	6.48	-9.036	-14754.3
45039_5039	45039	5039	33.379	403.135	-0.449	17.958	8.167	14716.93
45039_5040	45039	5040	-32.338	-371.39	0.449	-17.958	-2.884	-10165
45040_5040	45040	5040	24.216	322.503	0.48	-3.345	3.384	10165.59

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45040_5041	45040	5041	-23.966	-300.481	-0.48	3.345	-7.345	-7597.5
45041_5041	45041	5041	20.735	300.831	0.467	1.515	7.319	7586.884
45041_5042	45041	5042	-20.735	-263.197	-0.467	-1.515	-14.655	-3152.43
45042_5042	45042	5042	20.73	215.585	-0.517	0.041	14.655	3152.484
45042_5043	45042	5043	-20.73	-187.041	0.517	-0.041	-8.492	-751.558
45043_5043	45043	5043	20.73	187.041	-0.517	0.041	8.492	751.558
45043_5044	45043	5044	-20.73	-158.498	0.517	-0.041	-2.328	1308.946
45044_5044	45044	5044	20.734	113.624	0.069	0.237	2.328	-1308.96
45044_5045	45044	5045	-20.734	-85.062	-0.069	-0.237	-3.156	2494.484
45045_5045	45045	5045	20.734	85.062	0.071	0.416	3.156	-2494.48
45045_5046	45045	5046	-20.734	-56.525	-0.071	-0.416	-4.001	3338.607
45046_5046	45046	5046	20.734	11.257	0.113	3.158	4.001	-3338.66
45046_5047	45046	5047	-20.734	17.3	-0.113	-3.158	-5.345	3302.604
45047_5047	45047	5047	20.734	-17.3	0.079	-2.132	5.345	-3302.61
45047_5048	45047	5048	-20.734	45.83	-0.079	2.132	-6.292	2926.34
45048_5048	45048	5048	20.732	-90.743	-0.261	2.057	6.292	-2926.39
45048_5049	45048	5049	-20.732	119.295	0.261	-2.057	-3.18	1673.565
45049_5049	45049	5049	20.732	-119.295	-0.296	-0.74	3.18	-1673.57
45049_5050	45049	5050	-20.732	147.842	0.296	0.74	0.345	80.377
45050_5050	45050	5050	20.733	-192.007	0.479	-0.617	-0.345	-80.413
45050_5051	45050	5051	-20.733	229.604	-0.479	0.617	-7.177	-3231.14
45051_5051	45051	5051	23.547	-229.242	0.45	3.856	7.215	3234.805
45051_5052	45051	5052	-23.778	249.6	-0.45	-3.856	-10.927	-5211.28
45052_5052	45052	5052	30.977	-294.568	0.129	-5.55	10.706	5211.229
45052_5053	45052	5053	-31.937	323.819	-0.129	5.55	-12.226	-8844.25
45053_5053	45053	5053	41.308	-322.647	0.09	10.884	13.096	8851.527
45053_5054	45053	5054	-43.603	360.193	-0.09	-10.884	-14.287	-13381.7
45054_5054	45054	5054	57.578	-399.486	-0.033	-13.424	12.423	13381.53
45054_5055	45054	5055	-60.895	436.612	0.033	13.424	-12.005	-18628.9
45055_5055	45055	5055	73.045	-434.687	-0.066	15.749	15.147	18628.9
45055_5056	45055	5056	-77.663	474.066	0.066	-15.749	-14.308	-24347.8
45056_5056	45056	5056	-2079.37	264.854	-8.3	0.77	158.992	8031.196
45056_5057	45056	5057	2079.366	-239.121	8.3	-0.77	-80.198	-5638.91
45057_5057	45057	5057	-2079.36	239.121	-9.131	-1.392	80.198	5605.473
45057_5058	45057	5058	2079.363	-218.577	9.131	1.392	-9.441	-3832
45058_5058	45058	5058	-2079.37	218.577	-6.454	3.54	9.441	3831.995
45058_5059	45058	5059	2079.373	-198.035	6.454	-3.54	40.569	-2217.87
45059_5059	45059	5059	-2079.37	156.282	-7.483	-0.768	-40.569	2217.868
45059_5060	45059	5060	2079.372	-135.049	7.483	0.768	100.508	-1051.15
45060_5060	45060	5060	-2079.38	135.049	-2.478	1.762	-100.508	1051.145
45060_5061	45060	5061	2079.384	-113.845	2.478	-1.762	120.331	-55.787
45061_5061	45061	5061	-2079.38	113.845	-2.478	1.762	-120.331	55.787
45061_5062	45061	5062	2079.384	-92.642	2.478	-1.762	140.153	769.98
45062_5062	45062	5062	-2079.39	48.945	-0.633	1.846	-140.153	-769.937
45062_5063	45062	5063	2079.387	-33.03	0.633	-1.846	143.951	1015.997
45063_5063	45063	5063	-2079.39	33.03	-0.864	1.959	-143.951	-1016
45063_5064	45063	5064	2079.387	-17.141	0.864	-1.959	149.127	1166.343
45064_5064	45064	5064	-2079.39	17.141	2.824	-0.109	-149.127	-1166.34
45064_5065	45064	5065	2079.385	-1.228	-2.824	0.109	132.177	1221.477
45065_5065	45065	5065	-2079.39	1.228	2.824	-0.109	-132.177	-1221.48
45065_5066	45065	5066	2079.385	14.685	-2.824	0.109	115.226	1181.087
45066_5066	45066	5066	-2079.39	-58.649	4.727	0.842	-115.226	-1180.99
45066_5067	45066	5067	2079.386	79.847	-4.727	-0.842	77.429	627.261

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45067_5067	45067	5067	-2079.39	-79.847	4.727	0.842	-77.429	-627.261
45067_5068	45067	5068	2079.386	101.045	-4.727	-0.842	39.632	-95.97
45068_5068	45068	5068	-2079.38	-101.045	7.485	0.969	-39.632	95.969
45068_5069	45068	5069	2079.378	122.268	-7.485	-0.969	-20.286	-989.85
45069_5069	45069	5069	-2079.36	-163.276	9.941	-2.49	20.286	989.918
45069_5070	45069	5070	2079.361	183.808	-9.941	2.49	-97.279	-2333.98
45070_5070	45070	5070	-2079.35	-183.808	12.784	0.701	97.279	2333.985
45070_5071	45070	5071	2079.345	204.365	-12.784	-0.701	-196.408	-3838.98
45071_5071	45071	5071	-2079.34	-204.365	14.02	3.28	196.408	3868.515
45071_5072	45071	5072	2079.337	230.106	-14.02	-3.28	-329.562	-5931.63
45072_5072	45072	5072	86.097	509.477	0.11	-11.429	37.723	21970.16
45072_5073	45072	5073	-81.479	-470.102	-0.11	11.429	-39.103	-15807
45073_5073	45073	5073	68.425	472.23	0.069	12.665	36.394	15807
45073_5074	45073	5074	-65.108	-435.115	-0.069	-12.665	-37.253	-10114.8
45074_5074	45074	5074	50.47	399.149	0.044	2.372	38.265	10115.09
45074_5075	45074	5075	-48.176	-361.59	-0.044	-2.372	-38.853	-5066.74
45075_5075	45075	5075	37.194	362.958	-0.011	10.766	38.665	5066.12
45075_5076	45075	5076	-36.265	-334.656	0.011	-10.766	-38.54	-966.915
45076_5076	45076	5076	28.85	289.902	-0.233	0.649	38.755	967.075
45076_5077	45076	5077	-28.627	-270.222	0.233	-0.649	-36.836	1344.159
45077_5077	45077	5077	25.676	270.615	-0.264	-1.44	36.856	-1349.67
45077_5078	45077	5078	-25.676	-234.557	0.264	1.44	-33.087	4951.61
45078_5078	45078	5078	25.674	194.079	-0.353	6.512	33.087	-4951.72
45078_5079	45078	5079	-25.674	-165.721	0.353	-6.512	-29.127	6969.3
45079_5079	45079	5079	25.673	165.721	-0.399	-5.901	29.127	-6969.3
45079_5080	45079	5080	-25.673	-137.365	0.399	5.901	-24.654	8668.704
45080_5080	45080	5080	25.675	97.671	-0.039	8.775	24.654	-8668.79
45080_5081	45080	5081	-25.675	-69.316	0.039	-8.775	-24.212	9605.083
45081_5081	45081	5081	25.675	69.316	-0.085	-8.335	24.212	-9605.08
45081_5082	45081	5082	-25.675	-40.963	0.085	8.335	-23.257	10223.36
45082_5082	45082	5082	25.674	-0.233	-0.271	0.342	23.257	-10223.5
45082_5083	45082	5083	-25.674	30.685	0.271	-0.342	-19.995	10037.34
45083_5083	45083	5083	25.674	-30.685	-0.272	-0.045	19.995	-10037.3
45083_5084	45083	5084	-25.674	61.162	0.272	0.045	-16.718	9483.831
45084_5084	45084	5084	25.673	-102.347	-0.275	7.349	16.718	-9483.98
45084_5085	45084	5085	-25.673	130.696	0.275	-7.349	-13.634	8177.634
45085_5085	45085	5085	25.673	-130.696	-0.321	-7.226	13.634	-8177.63
45085_5086	45085	5086	-25.673	159.042	0.321	7.226	-10.038	6553.612
45086_5086	45086	5086	25.673	-198.453	-0.186	3.809	10.038	-6553.68
45086_5087	45086	5087	-25.673	226.799	0.186	-3.809	-7.951	4170.079
45087_5087	45087	5087	25.673	-226.799	-0.233	-3.777	7.951	-4170.08
45087_5088	45087	5088	-25.673	255.169	0.233	3.777	-5.338	1466.375
45088_5088	45088	5088	25.677	-293.302	0.114	-1.519	5.338	-1466.37
45088_5089	45088	5089	-25.677	327.997	-0.114	1.519	-6.9	-2796.06
45089_5089	45089	5089	29.508	-327.603	0.081	1.951	6.92	2806.48
45089_5090	45089	5090	-29.744	348.39	-0.081	-1.951	-7.588	-5593.81
45090_5090	45090	5090	38.767	-390.344	-0.42	-11.594	7.196	5593.732
45090_5091	45090	5091	-39.748	420.246	0.42	11.594	-2.264	-10357.6
45091_5091	45091	5091	51.677	-418.843	-0.473	9.661	3.233	10358.44
45091_5092	45091	5092	-53.927	455.773	0.473	-9.661	3.042	-16161.6
45092_5092	45092	5092	70.471	-494.878	-0.375	-9.371	-4.47	16161.41
45092_5093	45092	5093	-73.728	531.397	0.375	9.371	9.17	-22598.4
45093_5093	45093	5093	88.385	-529.111	-0.396	9.434	-7.242	22598.42

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45093_5094	45093	5094	-92.926	567.917	0.396	-9.434	12.227	-29503.8
45094_5094	45094	5094	-2377.32	235.409	-6.449	-3.461	69.508	8656.194
45094_5095	45094	5095	2377.315	-210.118	6.449	3.461	-8.275	-6541.04
45095_5095	45095	5095	-2377.32	210.118	-5.48	-0.813	8.275	6543.966
45095_5096	45095	5096	2377.317	-190.058	5.48	0.813	34.219	-4992.48
45096_5096	45096	5096	-2377.32	190.058	-2.511	5.423	-34.219	4992.477
45096_5097	45096	5097	2377.322	-170.024	2.511	-5.423	53.662	-3598.29
45097_5097	45097	5097	-2377.33	129.942	0.327	-0.83	-53.662	3598.255
45097_5098	45097	5098	2377.327	-109.236	-0.327	0.83	51.041	-2641.11
45098_5098	45098	5098	-2377.33	109.236	0.327	-0.83	-51.041	2641.112
45098_5099	45098	5099	2377.327	-88.53	-0.327	0.83	48.42	-1849.69
45099_5099	45099	5099	-2377.32	88.53	3.211	1.414	-48.42	1849.693
45099_5100	45099	5100	2377.324	-67.85	-3.211	-1.414	22.753	-1224.7
45100_5100	45100	5100	-2377.33	25.401	3.769	1.75	-22.753	1224.697
45100_5101	45100	5101	2377.325	-9.872	-3.769	-1.75	0.129	-1118.84
45101_5101	45101	5101	-2377.32	9.872	7.728	3.613	-0.129	1118.833
45101_5102	45101	5102	2377.315	5.657	-7.728	-3.613	-46.257	-1106.18
45102_5102	45102	5102	-2377.31	-5.657	-8.106	-3.755	46.257	1106.183
45102_5103	45102	5103	2377.314	21.188	8.106	3.755	2.407	-1186.76
45103_5103	45103	5103	-2377.32	-21.188	-4.274	-1.841	-2.407	1186.765
45103_5104	45103	5104	2377.324	36.692	4.274	1.841	28.019	-1360.2
45104_5104	45104	5104	-2377.33	-79.413	-2.81	-1.722	-28.019	1360.209
45104_5105	45104	5105	2377.326	100.12	2.81	1.722	50.513	-2078.69
45105_5105	45105	5105	-2377.33	-100.12	0.069	0.796	-50.513	2078.693
45105_5106	45105	5106	2377.327	120.8	-0.069	-0.796	49.959	-2961.67
45106_5106	45106	5106	-2377.33	-120.8	0.158	0.907	-49.959	2961.668
45106_5107	45106	5107	2377.327	141.507	-0.158	-0.907	48.69	-4011.37
45107_5107	45107	5107	-2377.32	-181.437	4.508	-2.992	-48.69	4011.424
45107_5108	45107	5108	2377.321	201.495	-4.508	2.992	13.739	-5495.89
45108_5108	45108	5108	-2377.32	-201.495	4.421	-3.194	-13.739	5495.887
45108_5109	45108	5109	2377.321	221.528	-4.421	3.194	-20.493	-7133.65
45109_5109	45109	5109	-2377.32	-221.528	6.928	4.341	20.493	7129.754
45109_5110	45109	5110	2377.315	246.841	-6.928	-4.341	-86.333	-9355.34
45110_5110	45110	5110	87.464	549.839	0.009	-18.827	10.508	30348.93
45110_5111	45110	5111	-82.923	-511.043	-0.009	18.827	-10.628	-23673.3
45111_5111	45111	5111	68.805	513.186	-0.026	18.124	6.72	23673.3
45111_5112	45111	5112	-65.548	-476.678	0.026	-18.124	-6.388	-17467
45112_5112	45112	5112	49.928	442.76	0.172	-3.31	8.223	17467.38
45112_5113	45112	5113	-47.678	-405.817	-0.172	3.31	-10.511	-11835.1
45113_5113	45113	5113	35.593	407.171	0.144	11.022	10.012	11842.33
45113_5114	45113	5114	-34.621	-377.558	-0.144	-11.022	-11.698	-7229.06
45114_5114	45114	5114	26.385	334.227	0.253	-0.444	11.981	7229.305
45114_5115	45114	5115	-26.151	-313.662	-0.253	0.444	-14.062	-4559.33
45115_5115	45115	5115	22.744	314.012	0.246	0.586	14.06	4546.183
45115_5116	45115	5116	-22.744	-280.478	-0.246	-0.586	-17.571	-312.533
45116_5116	45116	5116	22.743	239.53	-0.637	1.174	17.571	312.534
45116_5117	45116	5117	-22.743	-213.132	0.637	-1.174	-10.435	2225.081
45117_5117	45117	5117	22.743	213.132	-0.657	-0.81	10.435	-2225.08
45117_5118	45117	5118	-22.743	-186.735	0.657	0.81	-3.071	4466.692
45118_5118	45118	5118	22.743	147.8	0.257	2.984	3.071	-4466.7
45118_5119	45118	5119	-22.743	-121.404	-0.257	-2.984	-5.947	5975.785
45119_5119	45119	5119	22.743	121.404	0.236	-2.346	5.947	-5975.79
45119_5120	45119	5120	-22.743	-95.008	-0.236	2.346	-8.597	7188.914

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45120_5120	45120	5120	22.744	54.528	-0.331	9.869	8.597	-7188.91
45120_5121	45120	5121	-22.744	-26.154	0.331	-9.869	-4.612	7675.07
45121_5121	45121	5121	22.743	26.154	-0.387	-9.156	4.612	-7675.07
45121_5122	45121	5122	-22.743	2.195	0.387	9.156	0.049	7819.314
45122_5122	45122	5122	22.743	-41.934	-0.046	3.599	-0.049	-7819.32
45122_5123	45122	5123	-22.743	68.329	0.046	-3.599	0.562	7201.255
45123_5123	45123	5123	22.743	-68.329	-0.066	-2.824	-0.562	-7201.26
45123_5124	45123	5124	-22.743	94.723	0.066	2.824	1.303	6287.297
45124_5124	45124	5124	22.742	-132.859	-0.014	4.505	-1.303	-6287.3
45124_5125	45124	5125	-22.742	159.253	0.014	-4.505	1.463	4649.93
45125_5125	45125	5125	22.741	-159.253	-0.055	-3.791	-1.463	-4649.93
45125_5126	45125	5126	-22.741	185.647	0.055	3.791	2.077	2716.705
45126_5126	45126	5126	22.737	-221.317	-0.615	-0.054	-2.077	-2716.72
45126_5127	45126	5127	-22.737	253.503	0.615	0.054	10.487	-528.76
45127_5127	45127	5127	25.773	-253.148	-0.644	0.914	-10.481	536.015
45127_5128	45127	5128	-25.987	272.052	0.644	-0.914	15.792	-2702.61
45128_5128	45128	5128	33.29	-308.407	1.441	-4.425	-15.957	2702.518
45128_5129	45128	5129	-34.182	335.618	-1.441	4.425	-0.988	-6487.95
45129_5129	45129	5129	43.772	-334.377	1.394	8.998	1.685	6485.735
45129_5130	45129	5130	-45.951	370.148	-1.394	-8.998	-20.185	-11160.7
45130_5130	45130	5130	59.951	-407.447	-3.661	-6.665	19.061	11160.58
45130_5131	45130	5131	-63.11	442.876	3.661	6.665	26.874	-16494.9
45131_5131	45131	5131	75.389	-440.908	-3.679	7.194	-25.489	16494.92
45131_5132	45131	5132	-79.801	478.594	3.679	-7.194	71.783	-22279.5
45132_5132	45132	5132	-2004.56	227.11	22.903	9.653	-290.274	6479.22
45132_5133	45132	5133	2004.562	-202.64	-22.903	-9.653	72.7	-4437.91
45133_5133	45133	5133	-2004.53	202.64	25.489	15.501	-72.7	4469.678
45133_5134	45133	5134	2004.531	-184.389	-25.489	-15.501	-124.841	-2969.94
45134_5134	45134	5134	-2004.69	184.389	-0.346	-22.775	124.841	2969.892
45134_5135	45134	5135	2004.693	-166.114	0.346	22.775	-122.154	-1609.85
45135_5135	45135	5135	-2004.68	118.123	-3.515	-0.503	122.154	1610.221
45135_5136	45135	5136	2004.68	-99.282	3.515	0.503	-94.035	-740.548
45136_5136	45136	5136	-2004.68	99.282	-1.009	0.423	94.035	740.548
45136_5137	45136	5137	2004.683	-80.442	1.009	-0.423	-85.961	-21.618
45137_5137	45137	5137	-2004.68	80.442	-3.543	0.396	85.961	21.618
45137_5138	45137	5138	2004.68	-61.625	3.543	-0.396	-57.652	545.972
45138_5138	45138	5138	-2004.69	16.468	-2.977	0.554	57.652	-546.1
45138_5139	45138	5139	2004.691	-2.337	2.977	-0.554	-39.79	602.52
45139_5139	45139	5139	-2004.69	2.337	0.364	-0.45	39.79	-602.52
45139_5140	45139	5140	2004.693	11.793	-0.364	0.45	-41.974	574.153
45140_5140	45140	5140	-2004.69	-11.793	-2.977	0.506	41.974	-574.153
45140_5141	45140	5141	2004.691	25.923	2.977	-0.506	-24.113	460.998
45141_5141	45141	5141	-2004.69	-25.923	0.364	-0.262	24.113	-460.998
45141_5142	45141	5142	2004.693	40.053	-0.364	0.262	-26.297	263.058
45142_5142	45142	5142	-2004.69	-84.402	-2.119	0.07	26.297	-263.175
45142_5143	45142	5143	2004.694	103.242	2.119	-0.07	-9.343	-487.451
45143_5143	45143	5143	-2004.69	-103.242	-2.119	0.07	9.343	487.451
45143_5144	45143	5144	2004.694	122.083	2.119	-0.07	7.611	-1388.81
45144_5144	45144	5144	-2004.69	-122.083	-2.119	0.07	-7.611	1388.81
45144_5145	45144	5145	2004.694	140.924	2.119	-0.07	24.565	-2440.9
45145_5145	45145	5145	-2004.69	-181.533	-0.558	1.947	-24.565	2440.809
45145_5146	45145	5146	2004.687	199.785	0.558	-1.947	28.888	-3918.5
45146_5146	45146	5146	-2004.69	-199.785	-0.558	1.947	-28.888	3918.497

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45146_5147	45146	5147	2004.687	218.037	0.558	-1.947	33.211	-5537.64
45147_5147	45147	5147	-2004.69	-218.037	-3.076	-4.907	-33.211	5509.848
45147_5148	45147	5148	2004.685	242.509	3.076	4.907	62.436	-7697.59
45148_5148	45148	5148	77.351	463.278	0.09	-7.676	-10.544	23869
45148_5149	45148	5149	-72.938	-425.59	-0.09	7.676	9.411	-18277.4
45149_5149	45149	5149	61.122	427.488	0.072	7.145	-10.964	18277.44
45149_5150	45149	5150	-57.962	-392.058	-0.072	-7.145	10.061	-13136.4
45150_5150	45150	5150	44.962	362.304	0.153	-0.487	-9.351	13136.4
45150_5151	45150	5151	-42.782	-326.532	-0.153	0.487	7.317	-8565.55
45151_5151	45151	5151	32.752	327.667	0.147	1.771	-7.382	8547.414
45151_5152	45151	5152	-31.835	-299.713	-0.147	-1.771	5.65	-4859.98
45152_5152	45152	5152	25.285	257.464	0.082	-0.075	-5.602	4859.951
45152_5153	45152	5153	-25.064	-238.038	-0.082	0.075	4.928	-2815.82
45153_5153	45153	5153	22.526	238.406	0.082	-0.035	-4.929	2811.968
45153_5154	45153	5154	-22.526	-207.054	-0.082	0.035	3.803	248.527
45154_5154	45154	5154	22.526	165.385	0.127	0.025	-3.803	-248.526
45154_5155	45154	5155	-22.526	-140.285	-0.127	-0.025	2.408	1929.81
45155_5155	45155	5155	22.526	140.285	0.127	0.025	-2.408	-1929.81
45155_5156	45155	5156	-22.526	-115.185	-0.127	-0.025	1.014	3334.977
45156_5156	45156	5156	22.528	75.556	-0.09	0.041	-1.014	-3334.98
45156_5157	45156	5157	-22.528	-52.715	0.09	-0.041	1.916	3977.014
45157_5157	45157	5157	22.528	52.715	-0.09	0.085	-1.916	-3977.01
45157_5158	45157	5158	-22.528	-29.897	0.09	-0.085	2.815	4390.096
45158_5158	45158	5158	22.525	-8.068	0.106	-1.949	-2.815	-4390.1
45158_5159	45158	5159	-22.525	30.909	-0.106	1.949	1.756	4195.009
45159_5159	45159	5159	22.525	-30.909	0.128	2.241	-1.756	-4195.01
45159_5160	45159	5160	-22.525	53.75	-0.128	-2.241	0.472	3771.263
45160_5160	45160	5160	22.522	-93.901	0.374	0.115	-0.472	-3771.28
45160_5161	45160	5161	-22.522	119.001	-0.374	-0.115	-3.64	2600.25
45161_5161	45161	5161	22.522	-119.001	0.374	0.115	3.64	-2600.25
45161_5162	45161	5162	-22.522	144.101	-0.374	-0.115	-7.752	1153.101
45162_5162	45162	5162	22.534	-182.592	-0.589	-0.294	7.752	-1153.06
45162_5163	45162	5163	-22.534	213.944	0.589	0.294	0.336	-1571.33
45163_5163	45163	5163	25.132	-213.57	-0.605	0.825	-0.328	1573.289
45163_5164	45163	5164	-25.352	232.996	0.605	-0.825	5.321	-3415.56
45164_5164	45164	5164	31.931	-272.506	0.546	3.063	-5.23	3415.56
45164_5165	45164	5165	-32.848	300.46	-0.546	-3.063	-1.184	-6783.42
45165_5165	45165	5165	41.499	-299.289	0.571	-4.169	0.831	6788.933
45165_5166	45165	5166	-43.707	335.529	-0.571	4.169	-8.403	-11001.5
45166_5166	45166	5166	56.668	-371.784	0.09	-5.884	8.141	11001.57
45166_5167	45166	5167	-59.867	407.656	-0.09	5.884	-9.277	-15891.6
45167_5167	45167	5167	71.189	-405.784	0.072	6.484	10.612	15891.55
45167_5168	45167	5168	-75.653	443.912	-0.072	-6.484	-11.525	-21237.3
45168_5168	45168	5168	-1933.19	246.634	-1.037	-2.506	3.714	6900.35
45168_5169	45168	5169	1933.185	-221.827	1.037	2.506	6.143	-4675.01
45169_5169	45169	5169	-1933.19	221.827	1.365	3.261	-6.143	4707.934
45169_5170	45169	5170	1933.185	-203.096	-1.365	-3.261	-4.425	-3063.39
45170_5170	45170	5170	-1933.19	203.096	-1.103	-0.651	4.425	3063.395
45170_5171	45170	5171	1933.185	-184.341	1.103	0.651	4.124	-1561.98
45171_5171	45171	5171	-1933.17	138.676	1.592	0.488	-4.124	1561.843
45171_5172	45171	5172	1933.167	-119.316	-1.592	-0.488	-8.616	-529.825
45172_5172	45172	5172	-1933.17	119.316	-0.824	-0.174	8.616	529.825
45172_5173	45172	5173	1933.167	-99.956	0.824	0.174	-2.026	347.316

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45173_5173	45173	5173	-1933.17	99.956	-0.824	-0.174	2.026	-347.316
45173_5174	45173	5174	1933.167	-80.595	0.824	0.174	4.564	1069.565
45174_5174	45174	5174	-1933.17	32.845	1.926	-0.951	-4.564	-1069.7
45174_5175	45174	5175	1933.171	-18.325	-1.926	0.951	-6.99	1223.216
45175_5175	45175	5175	-1933.17	18.325	-1.296	1.087	6.99	-1223.22
45175_5176	45175	5176	1933.172	-3.805	1.296	-1.087	0.787	1289.611
45176_5176	45176	5176	-1933.17	3.805	1.926	-1.062	-0.787	-1289.61
45176_5177	45176	5177	1933.171	10.715	-1.926	1.062	-10.766	1268.88
45177_5177	45177	5177	-1933.17	-10.715	-1.296	1.053	10.766	-1268.88
45177_5178	45177	5178	1933.172	25.235	1.296	-1.053	-2.989	1161.022
45178_5178	45178	5178	-1933.18	-73.083	-0.174	-0.127	2.989	-1161.17
45178_5179	45178	5179	1933.176	92.443	0.174	0.127	-1.598	499.023
45179_5179	45179	5179	-1933.18	-92.443	-0.174	-0.127	1.598	-499.023
45179_5180	45179	5180	1933.176	111.803	0.174	0.127	-0.207	-318.013
45180_5180	45180	5180	-1933.18	-111.803	2.242	0.27	0.207	318.013
45180_5181	45180	5181	1933.175	131.163	-2.242	-0.27	-18.146	-1289.93
45181_5181	45181	5181	-1933.17	-175.324	-1.391	-0.636	18.146	1289.941
45181_5182	45181	5182	1933.171	194.079	1.391	0.636	-7.368	-2721.47
45182_5182	45182	5182	-1933.17	-194.079	1.104	2.875	7.368	2721.473
45182_5183	45182	5183	1933.171	212.834	-1.104	-2.875	-15.921	-4298.35
45183_5183	45183	5183	-1933.17	-212.834	-1.325	-2.48	15.921	4271.903
45183_5184	45183	5184	1933.171	237.641	1.325	2.48	-3.333	-6411.8
45184_5184	45184	5184	94.233	460.215	-0.111	6.24	0.535	20813.17
45184_5185	45184	5185	-89.769	-422.087	0.111	-6.24	0.858	-15262.9
45185_5185	45185	5185	78.033	424.461	-0.079	-5.879	0.449	15262.86
45185_5186	45185	5186	-74.834	-388.589	0.079	5.879	0.543	-10162.4
45186_5186	45186	5186	61.628	355.062	-0.329	-0.466	-1.052	10162.47
45186_5187	45186	5187	-59.42	-318.823	0.329	0.466	5.415	-5690.84
45187_5187	45187	5187	49.5	320.564	-0.309	-1.977	-5.388	5699.788
45187_5188	45187	5188	-48.542	-291.344	0.309	1.977	9.019	-2103.31
45188_5188	45188	5188	42.142	245.343	0.252	-0.463	-9.054	2103.41
45188_5189	45188	5189	-41.911	-225.053	-0.252	0.463	6.976	-165.206
45189_5189	45189	5189	39.524	225.592	0.252	-0.447	-6.979	170.494
45189_5190	45189	5190	-39.524	-191.334	-0.252	0.447	3.518	2696.04
45190_5190	45190	5190	39.523	147.536	0.351	-0.489	-3.518	-2696.04
45190_5191	45190	5191	-39.523	-120.129	-0.351	0.489	-0.348	4168.286
45191_5191	45191	5191	39.523	120.129	0.351	-0.489	0.348	-4168.29
45191_5192	45191	5192	-39.523	-92.723	-0.351	0.489	-4.215	5339.044
45192_5192	45192	5192	39.537	49.85	-1.092	-0.328	4.215	-5339.05
45192_5193	45192	5193	-39.537	-24.886	1.092	0.328	6.724	5713.497
45193_5193	45193	5193	39.537	24.886	-1.092	-0.391	-6.724	-5713.5
45193_5194	45193	5194	-39.537	0.104	1.092	0.391	17.679	5837.786
45194_5194	45194	5194	39.514	-41.391	0.4	-0.272	-17.679	-5837.82
45194_5195	45194	5195	-39.514	66.381	-0.4	0.272	13.666	5297.315
45195_5195	45195	5195	39.514	-66.381	0.4	-0.272	-13.666	-5297.32
45195_5196	45195	5196	-39.514	91.37	-0.4	0.272	9.653	4506.144
45196_5196	45196	5196	39.523	-135.331	-0.13	-0.169	-9.653	-4506.14
45196_5197	45196	5197	-39.523	162.738	0.13	0.169	11.078	2866.664
45197_5197	45197	5197	39.523	-162.738	-0.13	-0.169	-11.078	-2866.66
45197_5198	45197	5198	-39.523	190.144	0.13	0.169	12.504	925.699
45198_5198	45198	5198	39.526	-233.085	-0.364	0.056	-12.504	-925.701
45198_5199	45198	5199	-39.526	267.318	0.364	-0.056	17.499	-2512.27
45199_5199	45199	5199	42.816	-266.756	-0.364	0.127	-17.499	2499.319

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45199_5200	45199	5200	-43.061	287.912	0.364	-0.127	20.501	-4787.58
45200_5200	45200	5200	51.202	-333.326	0.235	0.941	-20.475	4787.507
45200_5201	45200	5201	-52.219	363.744	-0.235	-0.941	17.71	-8885.05
45201_5201	45201	5201	62.768	-361.987	0.245	-0.78	-17.809	8888.817
45201_5202	45201	5202	-65.27	402.492	-0.245	0.78	14.553	-13962.4
45202_5202	45202	5202	80.985	-446.002	-0.236	8.06	-13.778	13962.3
45202_5203	45202	5203	-84.584	485.898	0.236	-8.06	16.738	-19809.6
45203_5203	45203	5203	98.122	-483.302	-0.204	-7.268	-18.397	19809.65
45203_5204	45203	5204	-103.104	525.455	0.204	7.268	20.966	-26157.5
45204_5204	45204	5204	-2247.94	268.624	-1.092	3.141	25.405	8631.145
45204_5205	45204	5205	2247.938	-240.759	1.092	-3.141	-15.031	-6211.44
45205_5205	45205	5205	-2247.94	240.759	-3.534	-3.459	15.031	5964.361
45205_5206	45205	5206	2247.936	-219.509	3.534	3.459	12.362	-4180.7
45206_5206	45206	5206	-2247.94	219.509	-0.634	1.934	-12.362	4180.703
45206_5207	45206	5207	2247.938	-198.258	0.634	-1.934	17.277	-2561.77
45207_5207	45207	5207	-2247.93	150.984	-3.255	0.784	-17.277	2561.785
45207_5208	45207	5208	2247.928	-129.048	3.255	-0.784	43.316	-1441.59
45208_5208	45208	5208	-2247.93	129.048	-3.255	0.784	-43.316	1441.586
45208_5209	45208	5209	2247.928	-107.112	3.255	-0.784	69.355	-496.887
45209_5209	45209	5209	-2247.93	107.112	-3.255	0.784	-69.355	496.887
45209_5210	45209	5210	2247.928	-85.176	3.255	-0.784	95.395	272.311
45210_5210	45210	5210	-2247.97	36.577	2.369	0.597	-95.395	-272.323
45210_5211	45210	5211	2247.974	-20.125	-2.369	-0.597	81.18	442.439
45211_5211	45211	5211	-2247.98	20.125	-1.377	1.334	-81.18	-442.438
45211_5212	45211	5212	2247.975	-3.673	1.377	-1.334	89.444	513.838
45212_5212	45212	5212	-2247.97	3.673	2.369	0.478	-89.444	-513.84
45212_5213	45212	5213	2247.974	12.779	-2.369	-0.478	75.23	486.522
45213_5213	45213	5213	-2247.98	-12.779	-1.377	1.288	-75.23	-486.52
45213_5214	45213	5214	2247.975	29.231	1.377	-1.288	83.494	360.483
45214_5214	45214	5214	-2248.03	-77.599	2.482	1.225	-83.494	-360.367
45214_5215	45214	5215	2248.034	99.535	-2.482	-1.225	63.635	-348.216
45215_5215	45215	5215	-2248.03	-99.535	5.292	1.661	-63.635	348.215
45215_5216	45215	5216	2248.029	121.471	-5.292	-1.661	21.298	-1232.29
45216_5216	45216	5216	-2248.03	-121.471	2.482	0.12	-21.298	1232.287
45216_5217	45216	5217	2248.034	143.407	-2.482	-0.12	1.44	-2291.87
45217_5217	45217	5217	-2248.06	-189.201	2.93	-14.217	-1.44	2291.711
45217_5218	45217	5218	2248.059	210.424	-2.93	14.217	-21.24	-3838.37
45218_5218	45218	5218	-2248.05	-210.424	5.864	-9.207	21.24	3838.38
45218_5219	45218	5219	2248.053	231.675	-5.864	9.207	-66.689	-5551.61
45219_5219	45219	5219	-2247.98	-231.675	19.603	27.097	66.689	5807.658
45219_5220	45219	5220	2247.975	259.538	-19.603	-27.097	-252.922	-8140.94
45220_5220	45220	5220	93.046	536.343	0.404	-29.667	0.677	25603.61
45220_5221	45220	5221	-88.064	-494.192	-0.404	29.667	-5.769	-19119.8
45221_5221	45221	5221	74.293	496.495	0.312	31.099	-0.796	19119.82
45221_5222	45221	5222	-70.694	-456.6	-0.312	-31.099	-3.119	-13140.1
45222_5222	45222	5222	54.958	414.391	2.893	-3.53	6.21	13140.43
45222_5223	45222	5223	-52.456	-373.885	-2.893	3.53	-44.592	-7909.14
45223_5223	45223	5223	40.757	375.293	2.775	26.684	43.735	7892.391
45223_5224	45223	5224	-39.687	-343.285	-2.775	-26.684	-76.351	-3668.52
45224_5224	45224	5224	31.971	288.977	-2.116	-3.516	76.906	3668.903
45224_5225	45224	5225	-31.713	-266.704	2.116	3.516	-59.443	-1376.26
45225_5225	45225	5225	28.831	267.148	-2.227	1.271	59.465	1383.732
45225_5226	45225	5226	-28.831	-223.961	2.227	-1.271	-25.073	2408.55

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45226_5226	45226	5226	28.824	170.444	1.805	9.744	25.073	-2408.52
45226_5227	45226	5227	-28.824	-137.296	-1.805	-9.744	-46.473	4232.508
45227_5227	45227	5227	28.831	137.296	1.684	-8.1	46.473	-4232.51
45227_5228	45227	5228	-28.831	-104.144	-1.684	8.1	-66.435	5663.703
45228_5228	45228	5228	28.881	51.148	-2.259	13.374	66.435	-5663.24
45228_5229	45228	5229	-28.881	-15.919	2.259	-13.374	-39.651	6060.823
45229_5229	45229	5229	28.871	15.919	-2.381	-12.168	39.651	-6060.83
45229_5230	45229	5230	-28.871	19.316	2.381	12.168	-11.42	6040.68
45230_5230	45230	5230	28.844	-73.501	-1.586	7.272	11.42	-6039.69
45230_5231	45230	5231	-28.844	109.721	1.586	-7.272	7.909	4922.964
45231_5231	45231	5231	28.838	-109.721	-1.68	-8.867	-7.909	-4922.96
45231_5232	45231	5232	-28.838	145.947	1.68	8.867	28.395	3364.47
45232_5232	45232	5232	28.364	-201.568	18.529	3.039	-28.395	-3363.65
45232_5233	45232	5233	-28.364	228.876	-18.529	-3.039	-141.899	1385.644
45233_5233	45233	5233	30.746	-228.511	18.487	-0.116	141.901	-1385.64
45233_5234	45233	5234	-30.943	249.383	-18.487	0.116	-269.251	-260.395
45234_5234	45234	5234	35.215	-248.72	18.421	-2.86	269.202	260.39
45234_5235	45234	5235	-35.808	272.278	-18.421	2.86	-411.814	-2277.42
45235_5235	45235	5235	42.954	-316.134	-20.047	-3.5	411.846	2277.627
45235_5236	45235	5236	-43.6	332.583	20.047	3.5	-304.203	-4020.07
45236_5236	45236	5236	48.907	-332.013	-20.149	-3.68	304.447	4053.382
45236_5237	45236	5237	-50.641	363.58	20.149	3.68	-133.961	-6997.92
45237_5237	45237	5237	56.758	-362.653	-20.209	8.417	134.947	6997.9
45237_5238	45237	5238	-58.545	387.703	20.209	-8.417	-1.519	-9477.39
45238_5238	45238	5238	69.457	-438.336	-3.132	-20.823	-0.918	9474.576
45238_5239	45238	5239	-72.879	476.667	3.132	20.823	31.84	-13994
45239_5239	45239	5239	99.634	-471.736	-3.199	12.177	-28.145	13993.99
45239_5240	45239	5240	-105.883	514.773	3.199	-12.177	62.312	-19269.4
45240_5240	45240	5240	-2112.06	319.54	-62.489	-4.702	1225.976	7003.35
45240_5241	45240	5241	2112.055	-274.888	62.489	4.702	-458.189	-3351.57
45241_5241	45241	5241	-2112.29	274.888	-53.792	8.377	458.189	3364.405
45241_5242	45241	5242	2112.294	-253.91	53.792	-8.377	-143.274	-1816.52
45242_5242	45242	5242	-2112.34	253.91	-52.168	9.773	143.274	1816.508
45242_5243	45242	5243	2112.335	-231.135	52.168	-9.773	188.303	-275.047
45243_5243	45243	5243	-2114.38	188.297	-12.372	3.676	-188.303	274.653
45243_5244	45243	5244	2114.379	-153.087	12.372	-3.676	309.878	1402.637
45244_5244	45244	5244	-2114.41	153.087	-5.277	-1.031	-309.878	-1402.64
45244_5245	45244	5245	2114.409	-118.012	5.277	1.031	361.529	2729.502
45245_5245	45245	5245	-2113.65	77.201	-15.808	6.451	-361.529	-2728.8
45245_5246	45245	5246	2113.65	-40.862	15.808	-6.451	521.849	3327.476
45246_5246	45246	5246	-2113.69	40.862	-8.647	-4.822	-521.849	-3327.48
45246_5247	45246	5247	2113.691	-6.885	8.647	4.822	603.841	3553.851
45247_5247	45247	5247	-2113.61	-36.378	-5.006	5.587	-603.841	-3552.98
45247_5248	45247	5248	2113.612	69.679	5.006	-5.587	650.366	3060.151
45248_5248	45248	5248	-2113.62	-69.679	1.544	-3.895	-650.366	-3060.15
45248_5249	45248	5249	2113.618	106.694	-1.544	3.895	634.421	2149.171
45249_5249	45249	5249	-2114.75	-146.317	38.021	1.726	-634.421	-2148.72
45249_5250	45249	5250	2114.748	182.55	-38.021	-1.726	249.95	485.974
45250_5250	45250	5250	-2114.64	-182.55	43.516	0.464	-249.95	-485.977
45250_5251	45250	5251	2114.642	216.633	-43.516	-0.464	-163.961	-1412.49
45251_5251	45251	5251	-2112.23	-271.436	-25.39	-36.193	163.961	1411.247
45251_5252	45251	5252	2112.234	293.107	25.39	36.193	-10.404	-3118.39
45252_5252	45252	5252	-2112.27	-293.107	-22.11	-31.35	10.404	3118.444

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45252_5253	45252	5253	2112.271	315.537	22.11	31.35	127.998	-5023.44
45253_5253	45253	5253	-2112.32	-315.537	-16.638	-18.333	-127.998	5021.859
45253_5254	45253	5254	2112.321	350.054	16.638	18.333	286.022	-8182.63
45254_5254	45254	5254	132.778	534.42	-78.877	236.717	-265.643	21761.16
45254_5255	45254	5255	-131.362	-523.273	78.877	-236.717	479.134	-20329.6
45255_5255	45255	5255	113.577	472.402	42.596	-21.009	-445.42	20324.05
45255_5256	45255	5256	-108.027	-421.907	-42.596	21.009	-91.455	-14689.5
45256_5256	45256	5256	98.12	424.364	42.36	34.007	85.642	14689.47
45256_5257	45256	5257	-95.08	-389.066	-42.36	-34.007	-472.683	-10973.4
45257_5257	45257	5257	85.776	335.721	-22.846	-24.823	477.072	10972.25
45257_5258	45257	5258	-84.072	-311.089	22.846	24.823	-328.249	-8865.28
45258_5258	45258	5258	79.184	312.373	-22.992	-8.814	326.537	8865.366
45258_5259	45258	5259	-77.686	-284.636	22.992	8.814	-155.309	-6642.28
45259_5259	45259	5259	72.657	285.951	-23.176	9.04	154.25	6637.656
45259_5260	45259	5260	-71.764	-261.593	23.176	-9.04	23.875	-4533.45
45260_5260	45260	5260	66.554	215.427	4.266	-11.356	-23.428	4441.36
45260_5261	45260	5261	-66.126	-196.2	-4.266	11.356	-1.788	-3224.8
45261_5261	45261	5261	63.253	197.308	4.046	0.265	1.755	3224.824
45261_5262	45261	5262	-63.066	-176.53	-4.046	-0.265	-27.668	-2027.51
45262_5262	45262	5262	61.277	177.264	3.975	2.957	27.669	2002.576
45262_5263	45262	5263	-61.277	-138.308	-3.975	-2.957	-76.119	-79.515
45263_5263	45263	5263	61.309	75.477	-2.674	-0.341	76.119	79.588
45263_5264	45263	5264	-61.309	-38.98	2.674	0.341	-45.584	573.887
45264_5264	45264	5264	61.301	38.98	-2.85	-1.989	45.584	-573.884
45264_5265	45264	5265	-61.301	-1.793	2.85	1.989	-12.423	811.074
45265_5265	45265	5265	61.291	-51.99	-2.934	-1.96	12.423	-810.989
45265_5266	45265	5266	-61.291	89.257	2.934	1.96	21.785	-12.448
45266_5266	45266	5266	61.279	-89.257	-3.177	-1.911	-21.785	12.456
45266_5267	45266	5267	-61.279	125.673	3.177	1.911	57.977	-1236.83
45267_5267	45267	5267	61.334	-181.256	3.115	-11.94	-57.977	1237.026
45267_5268	45267	5268	-61.334	218.137	-3.115	11.94	22.037	-3541.27
45268_5268	45268	5268	61.348	-218.137	2.821	4.99	-22.037	3541.281
45268_5269	45268	5269	-61.348	254.914	-2.821	-4.99	-10.427	-6262.75
45269_5269	45269	5269	61.171	-307.861	-8.296	-29.227	10.427	6263.44
45269_5270	45269	5270	-61.171	336.185	8.296	29.227	63.085	-9117.04
45270_5270	45270	5270	61.147	-336.185	-8.473	-2.855	-63.085	9117.088
45270_5271	45270	5271	-61.147	364.391	8.473	2.855	137.854	-12208.3
45271_5271	45271	5271	64.217	-363.679	-8.611	25.171	-137.732	12240.02
45271_5272	45271	5272	-64.413	385.67	8.611	-25.171	192.851	-14638.3
45272_5272	45272	5272	71.815	-449.671	19.515	-50.622	-193.865	14639.37
45272_5273	45272	5273	-72.386	473.927	-19.515	50.622	56.638	-17886.8
45273_5273	45273	5273	79.07	-472.592	19.392	-15.009	-56.186	17886.85
45273_5274	45273	5274	-79.938	495.356	-19.392	15.009	-70.842	-21057.5
45274_5274	45274	5274	89.137	-493.642	19.237	37.372	73.074	21081.1
45274_5275	45274	5275	-91.649	537.67	-19.237	-37.372	-287.759	-26836.1
45275_5275	45275	5275	106.525	-599.476	-68.623	-73.592	281.364	26840.63
45275_5276	45275	5276	-109.719	639.414	68.623	73.592	395.235	-32949.5
45276_5276	45276	5276	122.593	-636.87	-68.866	68.129	-384.485	32949.65
45276_5277	45276	5277	-126.634	676.856	68.866	-68.129	1043.337	-39236.4
45277_5277	45277	5277	151.985	-732.62	73.353	-78.713	-1062.19	39368.47
45277_5278	45277	5278	-156.033	766.333	-73.353	78.713	492.934	-45184.6
45278_5278	45278	5278	-3319.16	452.711	34.03	14.127	-237.81	16255.7
45278_5279	45278	5279	3319.157	-416.09	-34.03	-14.127	-85.164	-12132.9

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45279_5279	45279	5279	-3319.04	416.09	43.944	55.018	85.164	12445.43
45279_5280	45279	5280	3319.041	-392.462	-43.944	-55.018	-372.261	-9804.19
45280_5280	45280	5280	-3320.66	319.649	-57.011	-8.104	372.261	9805.251
45280_5281	45280	5281	3320.655	-277.471	57.011	8.104	292.645	-6323.22
45281_5281	45281	5281	-3320.79	277.471	-48.329	8.428	-292.645	6323.221
45281_5282	45281	5282	3320.792	-232.592	48.329	-8.428	892.377	-3158.43
45282_5282	45282	5282	-3320.34	181.164	6.608	-1.235	-892.377	3102.79
45282_5283	45282	5283	3320.335	-142.723	-6.608	1.235	810.513	-1096.52
45283_5283	45283	5283	-3320.3	142.723	16.928	2.173	-810.513	1096.517
45283_5284	45283	5284	3320.298	-106.47	-16.928	-2.173	612.726	359.26
45284_5284	45284	5284	-3320.46	-9.025	13.519	1.076	-612.726	-359.31
45284_5285	45284	5285	3320.464	44.011	-13.519	-1.076	460.294	60.311
45285_5285	45285	5285	-3320.42	-44.011	21.448	0.932	-460.294	-60.314
45285_5286	45285	5286	3320.423	75.254	-21.448	-0.932	244.336	-540.121
45286_5286	45286	5286	-3320.39	-158.353	39.181	-2.339	-244.336	540.211
45286_5287	45286	5287	3320.393	193.757	-39.181	2.339	-202.725	-2549.03
45287_5287	45287	5287	-3320.24	-193.757	50.624	6.446	202.725	2549.023
45287_5288	45287	5288	3320.238	229.343	-50.624	-6.446	-783.325	-4975.27
45288_5288	45288	5288	-3321.73	-231.859	-33.239	-24.609	783.325	4976.036
45288_5289	45288	5289	3321.727	244.266	33.239	24.609	-650.409	-5928
45289_5289	45289	5289	-3321.77	-244.266	-28.526	-13.869	650.409	5622.193
45289_5290	45289	5290	3321.771	276.044	28.526	13.869	-379.416	-8093.64
45290_5290	45290	5290	144.401	990.133	-25.537	18.225	64.679	33472.69
45290_5291	45290	5291	-140.062	-950.417	25.537	-18.225	202.031	-23339.5
45291_5291	45291	5291	107.249	863.803	4.519	-27.717	-197.259	23341.55
45291_5292	45291	5292	-103.998	-824.12	-4.519	27.717	148.226	-14181.6
45292_5292	45292	5292	82.16	826.599	4.384	29.594	-152.011	14181.58
45292_5293	45292	5293	-80.245	-792.05	-4.384	-29.594	109.379	-6309.39
45293_5293	45293	5293	60.162	703.164	3.295	0.113	-107.541	6310.244
45293_5294	45293	5294	-59.292	-677.671	-3.295	-0.113	83.495	-1272.64
45294_5294	45294	5294	45.346	678.761	3.207	5.329	-83.569	1267.442
45294_5295	45294	5295	-45.027	-655.457	-3.207	-5.329	59.084	3825.632
45295_5295	45295	5295	36.243	656.015	3.119	-3.278	-59.009	-3825.64
45295_5296	45295	5296	-36.232	-631.037	-3.119	3.278	33.429	9103.24
45296_5296	45296	5296	35.946	554.535	2.443	26.96	-33.43	-9087.22
45296_5297	45296	5297	-35.946	-541.951	-2.443	-26.96	23.295	11361.76
45297_5297	45297	5297	35.949	541.951	2.401	13.91	-23.295	-11363.1
45297_5298	45297	5298	-35.949	-509.665	-2.401	-13.91	1.055	16233.59
45298_5298	45298	5298	35.955	509.665	2.315	-24.715	-1.055	-16233.6
45298_5299	45298	5299	-35.955	-477.718	-2.315	24.715	-20.167	20758.44
45299_5299	45299	5299	35.938	402.149	0.086	55.001	20.167	-20760.1
45299_5300	45299	5300	-35.938	-361.487	-0.086	-55.001	-21.174	25214.31
45300_5300	45300	5300	35.938	361.487	-0.053	-42.772	21.174	-25214.3
45300_5301	45300	5301	-35.938	-318.284	0.053	42.772	-20.516	29427.23
45301_5301	45301	5301	35.943	238.603	0.158	64.337	20.516	-29429.6
45301_5302	45301	5302	-35.943	-195.005	-0.158	-64.337	-22.498	32141.49
45302_5302	45302	5302	35.943	195.005	0.02	-59.194	22.498	-32141.5
45302_5303	45302	5303	-35.943	-154.773	-0.02	59.194	-22.732	34160.18
45303_5303	45303	5303	35.967	76.901	1.933	74.525	22.732	-34162.6
45303_5304	45303	5304	-35.967	-31.546	-1.933	-74.525	-47.879	34868.2
45304_5304	45304	5304	35.975	31.546	1.776	-76.831	47.879	-34868.2
45304_5305	45304	5305	-35.975	6.96	-1.776	76.831	-67.505	35004
45305_5305	45305	5305	35.96	-84.627	0.065	59.16	67.505	-35006.6

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
45305_5306	45305	5306	-35.96	126.65	-0.065	-59.16	-68.287	33732.93
45306_5306	45306	5306	35.96	-126.65	-0.052	-50.526	68.287	-33732.9
45306_5307	45306	5307	-35.96	168.42	0.052	50.526	-67.663	31964.9
45307_5307	45307	5307	35.983	-247.507	1.739	60.947	67.663	-31967.2
45307_5308	45307	5308	-35.983	288.923	-1.739	-60.947	-88.327	28780.14
45308_5308	45308	5308	35.989	-288.923	1.597	-52.996	88.327	-28780.2
45308_5309	45308	5309	-35.989	331.356	-1.597	52.996	-107.762	25004.53
45309_5309	45309	5309	36.026	-399.619	4.651	39.151	107.762	-25006
45309_5310	45309	5310	-36.026	441.613	-4.651	-39.151	-163.801	19938.32
45310_5310	45310	5310	36.043	-441.613	4.518	-34.75	163.801	-19938.3
45310_5311	45310	5311	-36.043	483.433	-4.518	34.75	-218.004	14388.89
45311_5311	45311	5311	35.925	-580.507	-9.226	14.874	218.004	-14389.7
45311_5312	45311	5312	-35.925	624.428	9.226	-14.874	-101.753	6798.139
45312_5312	45312	5312	35.881	-624.428	-9.395	-17.094	101.753	-6798.13
45312_5313	45312	5313	-35.881	662.18	9.395	17.094	0	-169.509
46000_6000	46000	6000	-0.536	12.016	-4.451	-0.928	0	0.222
46000_6001	46000	6001	0.536	6.766	4.451	0.928	51.721	30.284
46001_6001	46001	6001	-0.53	-6.766	-4.451	-0.892	-51.721	-30.285
46001_6002	46001	6002	0.53	22.338	4.451	0.892	94.61	-109.929
46002_6002	46002	6002	-0.482	21.2	4.523	-1.522	-94.61	110.043
46002_6003	46002	6003	0.482	-1.602	-4.523	1.522	39.759	28.207
46003_6003	46003	6003	-0.486	1.602	4.523	-1.499	-39.759	-28.208
46003_6004	46003	6004	0.486	17.998	-4.523	1.499	-15.093	-71.207
46004_6004	46004	6004	-0.502	20.001	-1.036	-0.705	15.093	71.21
46004_6005	46004	6005	0.502	-0.398	1.036	0.705	-2.525	52.501
46005_6005	46005	6005	-0.502	0.398	-1.036	-0.699	2.525	-52.501
46005_6006	46005	6006	0.502	19.19	1.036	0.699	10.032	-61.374
46006_6006	46006	6006	-0.498	19.856	0.261	-0.425	-10.032	61.531
46006_6007	46006	6007	0.498	-0.253	-0.261	0.425	6.868	60.427
46007_6007	46007	6007	-0.498	0.253	0.261	-0.425	-6.868	-60.427
46007_6008	46007	6008	0.498	19.35	-0.261	0.425	3.704	-55.392
46008_6008	46008	6008	-0.501	19.471	-0.04	0.043	-3.704	55.085
46008_6009	46008	6009	0.501	0.12	0.04	-0.043	4.186	62.2
46009_6009	46009	6009	-0.501	-0.12	-0.039	-0.007	-4.186	-62.2
46009_6010	46009	6010	0.501	19.709	0.039	0.007	4.663	-57.972
46010_6010	46010	6010	-0.503	19.184	0.133	0.458	-4.663	58.207
46010_6011	46010	6011	0.503	0.423	-0.133	-0.458	3.049	55.593
46011_6011	46011	6011	-0.503	-0.423	0.133	0.463	-3.049	-55.593
46011_6012	46011	6012	0.503	20.014	-0.133	-0.463	1.438	-68.278
46012_6012	46012	6012	-0.499	18.927	0.572	0.702	-1.438	68.307
46012_6013	46012	6013	0.499	0.669	-0.572	-0.702	-5.495	42.378
46013_6013	46013	6013	-0.499	-0.669	0.572	0.702	5.495	-42.378
46013_6014	46013	6014	0.499	20.264	-0.572	-0.702	-12.429	-84.525
46014_6014	46014	6014	-0.502	17.803	-0.018	0.909	12.429	84.683
46014_6015	46014	6015	0.502	8.059	0.018	-0.909	-12.146	-6.715
46015_6015	46015	6015	-0.502	-8.059	-0.017	0.913	12.146	6.717
46015_6016	46015	6016	0.502	21.388	0.017	-0.913	-12.002	-128.142
46016_6016	46016	6016	-0.501	19.567	0.356	0.643	12.002	129.063
46016_6017	46016	6017	0.501	-0.842	-0.356	-0.643	-16.184	-9.1
46017_6017	46017	6017	-0.501	0.842	0.356	0.643	16.184	9.1
46017_6018	46017	6018	0.501	20.271	-0.356	-0.643	-20.899	-137.866
46018_6018	46018	6018	-0.495	19.709	-1.49	0.363	20.899	137.803
46018_6019	46018	6019	0.495	0.185	1.49	-0.363	-2.292	-15.877

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46019_6019	46019	6019	-0.495	-0.185	-1.49	0.364	2.292	15.877
46019_6020	46019	6020	0.495	20.096	1.49	-0.364	16.329	-142.631
46020_6020	46020	6020	-0.564	20.823	1.144	0.226	-16.329	142.623
46020_6021	46020	6021	0.564	-5.681	-1.144	-0.226	5.456	-16.648
46021_6021	46021	6021	-0.562	5.681	1.145	0.248	-5.456	16.648
46021_6022	46021	6022	0.562	6.655	-1.145	-0.248	-3.408	-20.418
46022_6022	46022	6022	-0.564	-6.655	1.144	0.225	3.408	20.418
46022_6023	46022	6023	0.564	19.009	-1.144	-0.225	-12.279	-119.936
46023_6023	46023	6023	-0.556	19.482	-0.424	0.075	12.279	119.803
46023_6024	46023	6024	0.556	-6.745	0.424	-0.075	-8.89	-14.941
46024_6024	46024	6024	-0.556	6.745	-0.425	0.057	8.89	14.941
46024_6025	46024	6025	0.556	5.994	0.425	-0.057	-5.495	-11.937
46025_6025	46025	6025	-0.556	-5.994	-0.424	0.073	5.495	11.937
46025_6026	46025	6026	0.556	18.747	0.424	-0.073	-2.102	-110.978
46026_6026	46026	6026	-0.561	18.949	-0.259	-0.071	2.102	110.877
46026_6027	46026	6027	0.561	-9.404	0.259	0.071	-0.548	-25.931
46027_6027	46027	6027	-0.561	9.404	-0.259	-0.066	0.548	25.931
46027_6028	46027	6028	0.561	0.157	0.259	0.066	1.009	1.82
46028_6028	46028	6028	-0.561	-0.157	-0.259	-0.066	-1.009	-1.82
46028_6029	46028	6029	0.561	9.717	0.259	0.066	2.565	-27.813
46029_6029	46029	6029	-0.562	-9.717	-0.258	-0.02	-2.565	27.813
46029_6030	46029	6030	0.562	19.276	0.258	0.02	4.116	-114.809
46030_6030	46030	6030	-0.56	18.335	0.07	-0.146	-4.116	114.785
46030_6031	46030	6031	0.56	-5.587	-0.07	0.146	3.553	-19.056
46031_6031	46031	6031	-0.56	5.587	0.071	-0.125	-3.553	19.056
46031_6032	46031	6032	0.56	7.143	-0.071	0.125	2.986	-25.273
46032_6032	46032	6032	-0.56	-7.143	0.07	-0.153	-2.986	25.273
46032_6033	46032	6033	0.56	19.891	-0.07	0.153	2.423	-133.451
46033_6033	46033	6033	-0.565	18.927	-0.467	-0.282	-2.423	133.459
46033_6034	46033	6034	0.565	-6.586	0.467	0.282	6.039	-34.629
46034_6034	46034	6034	-0.565	6.586	-0.467	-0.277	-6.039	34.629
46034_6035	46034	6035	0.565	5.77	0.467	0.277	9.66	-31.463
46035_6035	46035	6035	-0.565	-5.77	-0.467	-0.279	-9.66	31.463
46035_6036	46035	6036	0.565	20.879	0.467	0.279	14.088	-157.857
46036_6036	46036	6036	-0.505	20.683	0.772	-0.399	-14.088	157.803
46036_6037	46036	6037	0.505	-0.757	-0.772	0.399	4.432	-23.699
46037_6037	46037	6037	-0.505	0.757	0.771	-0.42	-4.432	23.699
46037_6038	46037	6038	0.505	19.155	-0.771	0.42	-5.212	-138.692
46038_6038	46038	6038	-0.516	14.91	-0.193	-0.727	5.212	138.709
46038_6039	46038	6039	0.516	6.191	0.193	0.727	-2.652	-80.96
46039_6039	46039	6039	-0.516	-6.191	-0.194	-0.562	2.652	80.222
46039_6040	46039	6040	0.516	24.557	0.194	0.562	-0.377	-260.894
46040_6040	46040	6040	-0.524	18.745	-0.917	-1.493	0.377	260.999
46040_6041	46040	6041	0.524	-5.857	0.917	1.493	7.185	-159.566
46041_6041	46041	6041	-0.525	5.857	-0.916	-1.344	-7.185	159.568
46041_6042	46041	6042	0.525	18.487	0.916	1.344	21.46	-257.936
46042_6042	46042	6042	-0.521	20.761	0.301	-0.748	-21.46	257.959
46042_6043	46042	6043	0.521	-2.137	-0.301	0.748	17.878	-121.532
46043_6043	46043	6043	-0.521	2.137	0.3	-0.859	-17.878	121.531
46043_6044	46043	6044	0.521	16.473	-0.3	0.859	14.305	-206.88
46044_6044	46044	6044	-0.523	19.736	-0.098	-0.052	-14.305	206.963
46044_6045	46044	6045	0.523	-1.112	0.098	0.052	15.467	-82.745
46045_6045	46045	6045	-0.523	1.112	-0.098	-0.052	-15.467	82.745

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46045_6046	46045	6046	0.523	17.511	0.098	0.052	16.629	-180.454
46046_6046	46046	6046	-0.523	19.386	0.032	0.689	-16.629	180.453
46046_6047	46046	6047	0.523	-0.755	-0.032	-0.689	16.246	-60.403
46047_6047	46047	6047	-0.523	0.755	0.032	0.685	-16.246	60.403
46047_6048	46047	6048	0.523	17.861	-0.032	-0.685	15.865	-162.281
46048_6048	46048	6048	-0.521	18.968	0.322	1.295	-15.865	162.187
46048_6049	46048	6049	0.521	-0.351	-0.322	-1.295	12.024	-47.126
46049_6049	46049	6049	-0.521	0.351	0.323	1.338	-12.024	47.125
46049_6050	46049	6050	0.521	18.28	-0.323	-1.338	8.176	-153.996
46050_6050	46050	6050	-0.517	18.021	0.395	1.612	-8.176	153.812
46050_6051	46050	6051	0.517	6.294	-0.395	-1.612	2.026	-62.587
46051_6051	46051	6051	-0.517	-6.294	0.395	1.593	-2.026	62.59
46051_6052	46051	6052	0.517	19.196	-0.395	-1.593	-1.235	-167.809
46052_6052	46052	6052	-0.515	20.436	-0.139	1.23	1.235	167.7
46052_6053	46052	6053	0.515	-2.079	0.139	-1.23	0.395	-35.467
46053_6053	46053	6053	-0.515	2.079	-0.139	1.215	-0.395	35.48
46053_6054	46053	6054	0.515	17.992	0.139	-1.215	2.236	-140.91
46054_6054	46054	6054	-0.515	18.556	-1.525	0.896	-2.236	140.889
46054_6055	46054	6055	0.515	0.382	1.525	-0.896	21.306	-27.271
46055_6055	46055	6055	-0.514	-0.382	-1.526	0.873	-21.306	27.272
46055_6056	46055	6056	0.514	19.306	1.526	-0.873	40.368	-150.262
46056_6056	46056	6056	-0.545	19.867	1.017	0.786	-40.368	150.269
46056_6057	46056	6057	0.545	-5.468	-1.017	-0.786	30.698	-29.854
46057_6057	46057	6057	-0.545	5.468	1.017	0.791	-30.698	29.854
46057_6058	46057	6058	0.545	6.272	-1.017	-0.791	22.812	-32.967
46058_6058	46058	6058	-0.545	-6.272	1.017	0.788	-22.812	32.967
46058_6059	46058	6059	0.545	17.997	-1.017	-0.788	14.938	-126.899
46059_6059	46059	6059	-0.544	18.968	0.902	0.577	-14.938	126.994
46059_6060	46059	6060	0.544	-6.837	-0.902	-0.577	7.713	-23.659
46060_6060	46060	6060	-0.543	6.837	0.903	0.604	-7.713	23.659
46060_6061	46060	6061	0.543	5.278	-0.903	-0.604	0.493	-17.422
46061_6061	46061	6061	-0.544	-5.278	0.902	0.582	-0.493	17.423
46061_6062	46061	6062	0.544	17.393	-0.902	-0.582	-6.722	-108.094
46062_6062	46062	6062	-0.546	18.361	0.662	0.495	6.722	108.037
46062_6063	46062	6063	0.546	-9.282	-0.662	-0.495	-10.691	-25.192
46063_6063	46063	6063	-0.546	9.282	0.662	0.498	10.691	25.192
46063_6064	46063	6064	0.546	-0.188	-0.662	-0.498	-14.667	3.234
46064_6064	46064	6064	-0.546	0.188	0.662	0.498	14.667	-3.234
46064_6065	46064	6065	0.546	8.907	-0.662	-0.498	-18.643	-22.94
46065_6065	46065	6065	-0.546	-8.907	0.662	0.496	18.643	22.94
46065_6066	46065	6066	0.546	17.985	-0.662	-0.496	-22.613	-103.536
46066_6066	46066	6066	-0.54	18.052	0.837	0.313	22.613	103.64
46066_6067	46066	6067	0.54	-5.925	-0.837	-0.313	-29.31	-7.656
46067_6067	46067	6067	-0.54	5.925	0.837	0.312	29.31	7.656
46067_6068	46067	6068	0.54	6.186	-0.837	-0.312	-35.999	-8.7
46068_6068	46068	6068	-0.54	-6.186	0.837	0.312	35.999	8.7
46068_6069	46068	6069	0.54	18.298	-0.837	-0.312	-42.688	-106.593
46069_6069	46069	6069	-0.559	17.758	-1.328	0.111	42.688	106.752
46069_6070	46069	6070	0.559	-6.011	1.328	-0.111	-32.387	-14.579
46070_6070	46070	6070	-0.559	6.011	-1.328	0.11	32.387	14.579
46070_6071	46070	6071	0.559	5.721	1.328	-0.11	-22.098	-13.453
46071_6071	46071	6071	-0.557	-5.721	-1.329	0.094	22.098	13.454
46071_6072	46071	6072	0.557	20.109	1.329	-0.094	-9.473	-136.141

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46072_6072	46072	6072	-0.531	20.083	1.096	-0.044	9.473	136.148
46072_6073	46072	6073	0.531	-1.148	-1.096	0.044	-23.178	-3.437
46073_6073	46073	6073	-0.531	1.148	1.096	-0.044	23.178	3.437
46073_6074	46073	6074	0.531	17.787	-1.096	0.044	-36.882	-107.444
46074_6074	46074	6074	-0.547	15.32	-0.324	-0.511	36.882	107.509
46074_6075	46074	6075	0.547	4.753	0.324	0.511	-32.594	-37.495
46075_6075	46075	6075	-0.546	-4.753	-0.324	-0.203	32.594	37.445
46075_6076	46075	6076	0.546	22.161	0.324	0.203	-28.788	-195.571
46076_6076	46076	6076	-0.561	17.721	-0.852	-1.051	28.788	195.453
46076_6077	46076	6077	0.561	-5.496	0.852	1.051	-21.76	-99.662
46077_6077	46077	6077	-0.56	5.496	-0.852	-1.103	21.76	99.663
46077_6078	46077	6078	0.56	15.423	0.852	1.103	-9.729	-169.747
46078_6078	46078	6078	-0.556	17.74	-0.022	-0.892	9.729	169.648
46078_6079	46078	6079	0.556	-1.154	0.022	0.892	-9.479	-63.877
46079_6079	46079	6079	-0.556	1.154	-0.022	-0.889	9.479	63.877
46079_6080	46079	6080	0.556	15.448	0.022	0.889	-9.229	-143.966
46080_6080	46080	6080	-0.558	16.843	-0.318	-0.51	9.229	143.98
46080_6081	46080	6081	0.558	-0.245	0.318	0.51	-5.663	-48.255
46081_6081	46081	6081	-0.558	0.245	-0.318	-0.513	5.663	48.255
46081_6082	46081	6082	0.558	16.337	0.318	0.513	-2.101	-138.318
46082_6082	46082	6082	-0.557	18.12	-0.057	-0.008	2.101	138.577
46082_6083	46082	6083	0.557	-0.276	0.057	0.008	-1.412	-27.793
46083_6083	46083	6083	-0.557	0.276	-0.057	-0.009	1.412	27.793
46083_6084	46083	6084	0.557	17.552	0.057	0.009	-0.724	-131.748
46084_6084	46084	6084	-0.558	16.774	-0.176	0.495	0.724	131.757
46084_6085	46084	6085	0.558	-0.18	0.176	-0.495	1.249	-36.807
46085_6085	46085	6085	-0.558	0.18	-0.176	0.495	-1.249	36.807
46085_6086	46085	6086	0.558	16.414	0.176	-0.495	3.222	-127.731
46086_6086	46086	6086	-0.556	16.346	0.19	0.903	-3.222	127.583
46086_6087	46086	6087	0.556	0.247	-0.19	-0.903	1.09	-37.424
46087_6087	46087	6087	-0.556	-0.247	0.19	0.869	-1.09	37.425
46087_6088	46087	6088	0.556	16.842	-0.19	-0.869	-1.036	-133.133
46088_6088	46088	6088	-0.555	14.643	0.228	1.044	1.036	133.13
46088_6089	46088	6089	0.555	5.476	-0.228	-1.044	-4.13	-70.883
46089_6089	46089	6089	-0.555	-5.476	0.228	1.03	4.13	70.885
46089_6090	46089	6090	0.555	17.708	-0.228	-1.03	-6.01	-166.597
46090_6090	46090	6090	-0.554	18.564	-0.096	0.789	6.01	166.469
46090_6091	46090	6091	0.554	-1.158	0.096	-0.789	-4.885	-50.616
46091_6091	46091	6091	-0.554	1.158	-0.096	0.757	4.885	50.636
46091_6092	46091	6092	0.554	18.178	0.096	-0.757	-3.61	-163.403
46092_6092	46092	6092	-0.559	18.182	-1.316	0.398	3.61	163.244
46092_6093	46092	6093	0.559	0.056	1.316	-0.398	12.843	-49.978
46093_6093	46093	6093	-0.56	-0.056	-1.316	0.438	-12.843	49.977
46093_6094	46093	6094	0.56	18.293	1.316	-0.438	29.29	-164.633
46094_6094	46094	6094	-0.576	19.072	1.077	0.307	-29.29	164.638
46094_6095	46094	6095	0.576	-5.201	-1.077	-0.307	19.051	-49.273
46095_6095	46095	6095	-0.576	5.201	1.077	0.305	-19.051	49.276
46095_6096	46095	6096	0.576	6.101	-1.077	-0.305	10.709	-52.763
46096_6096	46096	6096	-0.576	-6.101	1.077	0.308	-10.709	52.763
46096_6097	46096	6097	0.576	17.417	-1.077	-0.308	2.357	-143.951
46097_6097	46097	6097	-0.569	18.068	0.059	0.115	-2.357	143.847
46097_6098	46097	6098	0.569	-6.403	-0.059	-0.115	1.885	-46.038
46098_6098	46098	6098	-0.569	6.403	0.06	0.175	-1.885	46.037

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46098_6099	46098	6099	0.569	5.277	-0.06	-0.175	1.407	-41.53
46099_6099	46099	6099	-0.569	-5.277	0.059	0.121	-1.407	41.53
46099_6100	46099	6100	0.569	16.942	-0.059	-0.121	0.935	-130.336
46100_6100	46100	6100	-0.555	17.57	0.155	-0.038	-0.935	130.455
46100_6101	46100	6101	0.555	-8.81	-0.155	0.038	0.002	-51.274
46101_6101	46101	6101	-0.555	8.81	0.156	0.047	-0.002	51.274
46101_6102	46101	6102	0.555	-0.051	-0.156	-0.047	-0.935	-24.679
46102_6102	46102	6102	-0.555	0.051	0.155	0.006	0.935	24.679
46102_6103	46102	6103	0.555	8.709	-0.155	-0.006	-1.867	-50.667
46103_6103	46103	6103	-0.555	-8.709	0.156	0.088	1.867	50.667
46103_6104	46103	6104	0.555	17.454	-0.156	-0.088	-2.803	-129.062
46104_6104	46104	6104	-0.554	17.196	0.325	-0.113	2.803	129.066
46104_6105	46104	6105	0.554	-5.516	-0.325	0.113	-5.408	-38.176
46105_6105	46105	6105	-0.553	5.516	0.326	-0.066	5.408	38.176
46105_6106	46105	6106	0.553	6.163	-0.326	0.066	-8.019	-40.762
46106_6106	46106	6106	-0.553	-6.163	0.326	-0.067	8.019	40.762
46106_6107	46106	6107	0.553	17.827	-0.326	0.067	-10.625	-136.639
46107_6107	46107	6107	-0.558	17.221	-0.846	-0.277	10.625	136.663
46107_6108	46107	6108	0.558	-5.906	0.846	0.277	-4.066	-47.006
46108_6108	46108	6108	-0.558	5.906	-0.846	-0.277	4.066	47.006
46108_6109	46108	6109	0.558	5.408	0.846	0.277	2.494	-45.073
46109_6109	46109	6109	-0.559	-5.408	-0.845	-0.22	-2.494	45.072
46109_6110	46109	6110	0.559	19.262	0.845	0.22	10.52	-162.178
46110_6110	46110	6110	-0.548	19.035	1.069	-0.402	-10.52	162.185
46110_6111	46110	6111	0.548	-0.789	-1.069	0.402	-2.847	-38.247
46111_6111	46111	6111	-0.547	0.789	1.069	-0.371	2.847	38.247
46111_6112	46111	6112	0.547	17.457	-1.069	0.371	-16.218	-142.455
46112_6112	46112	6112	-0.567	14.388	-0.517	-0.759	16.218	142.359
46112_6113	46112	6113	0.567	4.939	0.517	0.759	-9.368	-79.788
46113_6113	46113	6113	-0.568	-4.939	-0.517	-0.578	9.368	79.777
46113_6114	46113	6114	0.568	22.051	0.517	0.578	-3.292	-238.387
46114_6114	46114	6114	-0.57	16.96	-0.559	-1.201	3.292	238.414
46114_6115	46114	6115	0.57	-4.946	0.559	1.201	1.324	-148.037
46115_6115	46115	6115	-0.57	4.946	-0.56	-1.27	-1.324	148.036
46115_6116	46115	6116	0.57	15.587	0.56	1.27	9.216	-223.074
46116_6116	46116	6116	-0.57	18.152	0.191	-0.852	-9.216	223.087
46116_6117	46116	6117	0.57	-1.843	-0.191	0.852	7.081	-111.096
46117_6117	46117	6117	-0.571	1.843	0.19	-0.951	-7.081	111.095
46117_6118	46117	6118	0.571	14.467	-0.19	0.951	4.952	-181.807
46118_6118	46118	6118	-0.57	17.007	-0.117	-0.395	-4.952	181.636
46118_6119	46118	6119	0.57	-0.698	0.117	0.395	6.264	-82.478
46119_6119	46119	6119	-0.57	0.698	-0.118	-0.469	-6.264	82.478
46119_6120	46119	6120	0.57	15.596	0.118	0.469	7.582	-165.84
46120_6120	46120	6120	-0.571	18.261	-0.01	0.234	-7.582	166.049
46120_6121	46120	6121	0.571	-0.729	0.01	-0.234	7.702	-51.719
46121_6121	46121	6121	-0.571	0.729	-0.01	0.19	-7.702	51.719
46121_6122	46121	6122	0.571	16.788	0.01	-0.19	7.828	-148.325
46122_6122	46122	6122	-0.571	16.848	0.037	0.864	-7.828	148.323
46122_6123	46122	6123	0.571	-0.541	-0.037	-0.864	7.416	-50.941
46123_6123	46123	6123	-0.571	0.541	0.036	0.819	-7.416	50.942
46123_6124	46123	6124	0.571	15.767	-0.036	-0.819	7.009	-136.216
46124_6124	46124	6124	-0.571	16.425	0.361	1.328	-7.009	136.222
46124_6125	46124	6125	0.571	-0.117	-0.361	-1.328	2.97	-43.58

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46125_6125	46125	6125	-0.571	0.117	0.361	1.328	-2.97	43.58
46125_6126	46125	6126	0.571	16.19	-0.361	-1.328	-1.069	-133.592
46126_6126	46126	6126	-0.568	14.51	0.684	1.461	1.069	133.586
46126_6127	46126	6127	0.568	5.291	-0.684	-1.461	-10.377	-70.893
46127_6127	46127	6127	-0.569	-5.291	0.684	1.396	10.377	70.894
46127_6128	46127	6128	0.569	17.303	-0.684	-1.396	-16.019	-164.096
46128_6128	46128	6128	-0.569	18.45	-0.417	1.087	16.019	163.945
46128_6129	46128	6129	0.569	-1.342	0.417	-1.087	-11.113	-47.662
46129_6129	46129	6129	-0.57	1.342	-0.417	1.206	11.113	47.686
46129_6130	46129	6130	0.57	17.956	0.417	-1.206	-5.592	-157.754
46130_6130	46130	6130	-0.574	17.431	-0.446	0.534	5.592	157.597
46130_6131	46130	6131	0.574	0.775	0.446	-0.534	-0.016	-53.499
46131_6131	46131	6131	-0.574	-0.775	-0.446	0.534	0.016	53.499
46131_6132	46131	6132	0.574	18.981	0.446	-0.534	5.559	-176.975
46132_6132	46132	6132	-3.138	18.387	-0.093	0.607	-5.559	153.385
46132_6133	46132	6133	3.138	-4.55	0.093	-0.607	6.441	-44.434
46133_6133	46133	6133	-3.138	4.55	-0.09	0.644	-6.441	44.433
46133_6134	46133	6134	3.138	6.737	0.09	-0.644	7.14	-52.908
46134_6134	46134	6134	-3.138	-6.737	-0.094	0.575	-7.14	52.909
46134_6135	46134	6135	3.138	18.025	0.094	-0.575	7.87	-148.863
46135_6135	46135	6135	-3.116	18.386	0.675	0.242	-7.87	149.05
46135_6136	46135	6136	3.116	-6.734	-0.675	-0.242	2.472	-48.565
46136_6136	46136	6136	-3.115	6.734	0.679	0.302	-2.472	48.565
46136_6137	46136	6137	3.115	4.918	-0.679	-0.302	-2.956	-41.301
46137_6137	46137	6137	-3.116	-4.918	0.675	0.251	2.956	41.302
46137_6138	46137	6138	3.116	16.57	-0.675	-0.251	-8.354	-127.259
46138_6138	46138	6138	-3.113	17.442	-0.073	0.228	8.354	127.157
46138_6139	46138	6139	3.113	-8.703	0.073	-0.228	-7.918	-48.718
46139_6139	46139	6139	-3.113	8.703	-0.067	0.309	7.918	48.718
46139_6140	46139	6140	3.113	0.036	0.067	-0.309	-7.513	-22.715
46140_6140	46140	6140	-3.113	-0.036	-0.073	0.271	7.513	22.716
46140_6141	46140	6141	3.113	8.775	0.073	-0.271	-7.077	-49.149
46141_6141	46141	6141	-3.113	-8.775	-0.073	0.271	7.077	49.149
46141_6142	46141	6142	3.113	17.514	0.073	-0.271	-6.641	-128.019
46142_6142	46142	6142	-3.114	17.068	0.236	0.108	6.641	127.928
46142_6143	46142	6143	3.114	-5.416	-0.236	-0.108	-8.532	-37.989
46143_6143	46143	6143	-3.114	5.416	0.24	0.155	8.532	37.988
46143_6144	46143	6144	3.114	6.236	-0.24	-0.155	-10.453	-41.269
46144_6144	46144	6144	-3.114	-6.236	0.236	0.104	10.453	41.269
46144_6145	46144	6145	3.114	17.888	-0.236	-0.104	-12.344	-137.771
46145_6145	46145	6145	-3.108	17.057	-1.11	0.004	12.344	137.656
46145_6146	46145	6146	3.108	-5.769	1.11	-0.004	-3.742	-49.205
46146_6146	46146	6146	-3.107	5.769	-1.114	-0.06	3.742	49.205
46146_6147	46146	6147	3.107	5.519	1.114	0.06	4.892	-48.238
46147_6147	46147	6147	-3.109	-5.519	-1.109	0.027	-4.892	48.234
46147_6148	46147	6148	3.109	19.356	1.109	-0.027	15.425	-166.396
46148_6148	46148	6148	-3.111	19.315	1.272	-0.135	-15.425	166.305
46148_6149	46148	6149	3.111	-1.109	-1.272	0.135	-0.475	-38.65
46149_6149	46149	6149	-3.11	1.109	1.274	-0.104	0.475	38.65
46149_6150	46149	6150	3.11	17.098	-1.274	0.104	-16.406	-138.584
46150_6150	46150	6150	-3.107	13.812	-0.311	-0.519	16.406	138.46
46150_6151	46150	6151	3.107	5.487	0.311	0.519	-12.288	-83.309
46151_6151	46151	6151	-3.107	-5.487	-0.309	-0.403	12.288	82.264

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46151_6152	46151	6152	3.107	23.338	0.309	0.403	-8.66	-251.617
46152_6152	46152	6152	-3.106	17.142	-0.556	-1.009	8.66	251.478
46152_6153	46152	6153	3.106	-4.623	0.556	1.009	-4.075	-161.804
46153_6153	46153	6153	-3.106	4.623	-0.555	-0.926	4.075	161.797
46153_6154	46153	6154	3.106	16.266	0.555	0.926	3.555	-241.845
46154_6154	46154	6154	-3.109	18.725	-0.219	-0.678	-3.555	241.847
46154_6155	46154	6155	3.109	-2.013	0.219	0.678	5.962	-127.786
46155_6155	46155	6155	-3.109	2.013	-0.219	-0.678	-5.962	127.786
46155_6156	46155	6156	3.109	14.698	0.219	0.678	8.369	-197.557
46156_6156	46156	6156	-3.109	16.551	-0.112	-0.145	-8.369	197.561
46156_6157	46156	6157	3.109	-1.358	0.112	0.145	9.494	-108.012
46157_6157	46157	6157	-3.109	1.358	-0.116	-0.252	-9.494	108.012
46157_6158	46157	6158	3.109	13.849	0.116	0.252	10.651	-170.53
46158_6158	46158	6158	-3.11	15.259	0.119	0.296	-10.651	170.392
46158_6159	46158	6159	3.11	-0.067	-0.119	-0.296	9.464	-93.76
46159_6159	46159	6159	-3.11	0.067	0.119	0.296	-9.464	93.76
46159_6160	46159	6160	3.11	15.14	-0.119	-0.296	8.276	-169.206
46160_6160	46160	6160	-3.112	16.731	0.336	0.735	-8.276	169.21
46160_6161	46160	6161	3.112	-0.019	-0.336	-0.735	4.579	-77.081
46161_6161	46161	6161	-3.112	0.019	0.336	0.735	-4.579	77.081
46161_6162	46161	6162	3.112	16.692	-0.336	-0.735	0.882	-168.784
46162_6162	46162	6162	-3.111	15.553	0.228	1.022	-0.882	168.786
46162_6163	46162	6163	3.111	5.321	-0.228	-1.022	-2.246	-98.493
46163_6163	46163	6163	-3.111	-5.321	0.226	0.974	2.246	98.485
46163_6164	46163	6164	3.111	17.855	-0.226	-0.974	-4.112	-194.09
46164_6164	46164	6164	-3.114	19.463	0.562	0.661	4.112	194.197
46164_6165	46164	6165	3.114	-1.612	-0.562	-0.661	-10.713	-70.378
46165_6165	46165	6165	-3.113	1.612	0.565	0.718	10.713	70.72
46165_6166	46165	6166	3.113	19.054	-0.565	-0.718	-18.196	-186.277
46166_6166	46166	6166	-3.092	19.209	-1.941	0.304	18.196	186.276
46166_6167	46166	6167	3.092	0.288	1.941	-0.304	6.068	-68.015
46167_6167	46167	6167	-3.093	-0.288	-1.939	0.359	-6.068	68.015
46167_6168	46167	6168	3.093	19.784	1.939	-0.359	30.301	-193.47
46168_6168	46168	6168	-3.122	20.378	1.579	0.225	-30.301	193.47
46168_6169	46168	6169	3.122	-5.561	-1.579	-0.225	15.299	-70.258
46169_6169	46169	6169	-3.121	5.561	1.581	0.268	-15.299	70.253
46169_6170	46169	6170	3.121	6.527	-1.581	-0.268	3.043	-74
46170_6170	46170	6170	-3.121	-6.527	1.581	0.268	-3.043	74
46170_6171	46170	6171	3.121	18.615	-1.581	-0.268	-9.213	-171.429
46171_6171	46171	6171	-3.122	19.573	0.005	0.096	9.213	171.3
46171_6172	46171	6172	3.122	-7.095	-0.005	-0.096	-9.249	-64.625
46172_6172	46172	6172	-3.122	7.095	0.008	0.177	9.249	64.625
46172_6173	46172	6173	3.122	5.383	-0.008	-0.177	-9.316	-57.776
46173_6173	46173	6173	-3.122	-5.383	0.005	0.105	9.316	57.776
46173_6174	46173	6174	3.122	17.861	-0.005	-0.105	-9.352	-150.754
46174_6174	46174	6174	-3.122	18.834	0.103	0.03	9.352	150.668
46174_6175	46174	6175	3.122	-9.475	-0.103	-0.03	-9.97	-65.737
46175_6175	46175	6175	-3.122	9.475	0.103	0.03	9.97	65.737
46175_6176	46175	6176	3.122	-0.117	-0.103	-0.03	-10.588	-36.958
46176_6176	46176	6176	-3.122	0.117	0.103	0.03	10.588	36.958
46176_6177	46176	6177	3.122	9.241	-0.103	-0.03	-11.206	-64.331
46177_6177	46177	6177	-3.122	-9.241	0.103	0.03	11.206	64.331
46177_6178	46177	6178	3.122	18.6	-0.103	-0.03	-11.823	-147.856

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46178_6178	46178	6178	-3.123	18.334	0.355	-0.06	11.823	147.77
46178_6179	46178	6179	3.123	-5.856	-0.355	0.06	-14.665	-51.006
46179_6179	46179	6179	-3.124	5.856	0.351	-0.123	14.665	51.006
46179_6180	46179	6180	3.124	6.622	-0.351	0.123	-17.476	-54.067
46180_6180	46180	6180	-3.123	-6.622	0.355	-0.056	17.476	54.067
46180_6181	46180	6181	3.123	19.099	-0.355	0.056	-20.318	-156.953
46181_6181	46181	6181	-3.118	18.272	-1.72	-0.221	20.318	156.826
46181_6182	46181	6182	3.118	-6.184	1.72	0.221	-6.989	-62.057
46182_6182	46182	6182	-3.12	6.184	-1.716	-0.141	6.989	62.057
46182_6183	46182	6183	3.12	5.904	1.716	0.141	6.309	-60.972
46183_6183	46183	6183	-3.119	-5.904	-1.718	-0.174	-6.309	60.966
46183_6184	46183	6184	3.119	20.721	1.718	0.174	22.629	-187.44
46184_6184	46184	6184	-3.154	20.599	1.935	-0.239	-22.629	187.284
46184_6185	46184	6185	3.154	-1.103	-1.935	0.239	-1.559	-51.642
46185_6185	46185	6185	-3.154	1.103	1.935	-0.239	1.559	51.642
46185_6186	46185	6186	3.154	18.378	-1.935	0.239	-25.728	-159.531
46186_6186	46186	6186	-3.123	15.717	-0.483	-0.562	25.728	159.661
46186_6187	46186	6187	3.123	4.95	0.483	0.562	-19.333	-88.329
46187_6187	46187	6187	-3.123	-4.95	-0.483	-0.599	19.333	87.615
46187_6188	46187	6188	3.123	24.066	0.483	0.599	-13.655	-258.09
46188_6188	46188	6188	-3.12	19.339	-1.024	-1.219	13.655	258.222
46188_6189	46188	6189	3.12	-5.917	1.024	1.219	-5.208	-154.038
46189_6189	46189	6189	-3.118	5.917	-1.028	-1.455	5.208	154.056
46189_6190	46189	6190	3.118	16.453	1.028	1.455	8.932	-226.495
46190_6190	46190	6190	-3.122	19.474	-0.606	-1.133	-8.932	226.497
46190_6191	46190	6191	3.122	-1.578	0.606	1.133	15.597	-110.707
46191_6191	46191	6191	-3.122	1.578	-0.606	-1.133	-15.597	110.707
46191_6192	46191	6192	3.122	16.318	0.606	1.133	22.262	-191.781
46192_6192	46192	6192	-3.125	17.461	-0.214	-0.54	-22.262	191.785
46192_6193	46192	6193	3.125	-1.192	0.214	0.54	24.406	-98.52
46193_6193	46193	6193	-3.125	1.192	-0.214	-0.539	-24.406	98.52
46193_6194	46193	6194	3.125	15.094	0.214	0.539	26.552	-168.103
46194_6194	46194	6194	-3.134	16.147	0.682	0.122	-26.552	168.111
46194_6195	46194	6195	3.134	0.139	-0.682	-0.122	19.729	-87.986
46195_6195	46195	6195	-3.134	-0.139	0.682	0.122	-19.729	87.986
46195_6196	46195	6196	3.134	16.424	-0.682	-0.122	12.905	-170.884
46196_6196	46196	6196	-3.121	17.754	-0.224	0.858	-12.905	170.895
46196_6197	46196	6197	3.121	0.142	0.224	-0.858	15.372	-74.022
46197_6197	46197	6197	-3.121	-0.142	-0.224	0.858	-15.372	74.022
46197_6198	46197	6198	3.121	18.038	0.224	-0.858	17.839	-174.014
46198_6198	46198	6198	-3.126	16.501	0.075	1.175	-17.839	174.02
46198_6199	46198	6199	3.126	5.853	-0.075	-1.175	16.806	-100.859
46199_6199	46199	6199	-3.126	-5.853	0.08	1.322	-16.806	100.851
46199_6200	46199	6200	3.126	19.275	-0.08	-1.322	16.148	-204.503
46200_6200	46200	6200	-3.125	20.994	0.005	1.097	-16.148	204.505
46200_6201	46200	6201	3.125	-1.878	-0.005	-1.097	16.085	-70.126
46201_6201	46201	6201	-3.125	1.878	0.006	1.091	-16.085	70.391
46201_6202	46201	6202	3.125	20.522	-0.006	-1.091	16.006	-193.909
46202_6202	46202	6202	-3.096	20.708	-2.044	0.816	-16.006	193.904
46202_6203	46202	6203	3.096	0.423	2.044	-0.816	41.557	-67.119
46203_6203	46203	6203	-3.096	-0.423	-2.044	0.816	-41.557	67.119
46203_6204	46203	6204	3.096	21.555	2.044	-0.816	67.108	-204.486
46204_6204	46204	6204	-3.149	22.043	1.709	0.932	-67.108	204.489

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46204_6205	46204	6205	3.149	-5.983	-1.709	-0.932	50.874	-71.361
46205_6205	46205	6205	-3.148	5.983	1.711	0.969	-50.874	71.35
46205_6206	46205	6206	3.148	7.119	-1.711	-0.969	37.614	-75.751
46206_6206	46206	6206	-3.15	-7.119	1.707	0.872	-37.614	75.752
46206_6207	46206	6207	3.15	20.22	-1.707	-0.872	24.386	-181.694
46207_6207	46207	6207	-3.134	20.995	0.726	0.876	-24.386	181.69
46207_6208	46207	6208	3.134	-7.471	-0.726	-0.876	18.576	-67.823
46208_6208	46208	6208	-3.135	7.471	0.722	0.791	-18.576	67.824
46208_6209	46208	6209	3.135	6.053	-0.722	-0.791	12.799	-62.154
46209_6209	46209	6209	-3.134	-6.053	0.726	0.869	-12.799	62.153
46209_6210	46209	6210	3.134	19.578	-0.726	-0.869	6.99	-164.68
46210_6210	46210	6210	-3.137	20.384	0.836	0.778	-6.99	164.68
46210_6211	46210	6211	3.137	-10.241	-0.836	-0.778	1.975	-72.802
46211_6211	46211	6211	-3.137	10.241	0.836	0.778	-1.975	72.802
46211_6212	46211	6212	3.137	-0.098	-0.836	-0.778	-3.04	-41.784
46212_6212	46212	6212	-3.137	0.098	0.836	0.778	3.04	41.784
46212_6213	46212	6213	3.137	10.045	-0.836	-0.778	-8.055	-71.628
46213_6213	46213	6213	-3.137	-10.045	0.836	0.778	8.055	71.628
46213_6214	46213	6214	3.137	20.188	-0.836	-0.778	-13.069	-162.332
46214_6214	46214	6214	-3.135	19.966	0.861	0.75	13.069	162.326
46214_6215	46214	6215	3.135	-6.442	-0.861	-0.75	-19.956	-56.691
46215_6215	46215	6215	-3.135	6.442	0.861	0.75	19.956	56.691
46215_6216	46215	6216	3.135	7.082	-0.861	-0.75	-26.842	-59.249
46216_6216	46216	6216	-3.135	-7.082	0.861	0.75	26.842	59.249
46216_6217	46216	6217	3.135	20.606	-0.861	-0.75	-33.728	-170.002
46217_6217	46217	6217	-3.102	19.872	-1.683	0.727	33.728	170
46217_6218	46217	6218	3.102	-6.77	1.683	-0.727	-20.686	-66.76
46218_6218	46218	6218	-3.104	6.77	-1.679	0.813	20.686	66.759
46218_6219	46218	6219	3.104	6.331	1.679	-0.813	-7.675	-65.059
46219_6219	46219	6219	-3.104	-6.331	-1.678	0.825	7.675	65.056
46219_6220	46219	6220	3.104	22.374	1.678	-0.825	8.253	-201.266
46220_6220	46220	6220	-3.149	22.368	2.118	0.607	-8.253	201.277
46220_6221	46220	6221	3.149	-1.235	-2.118	-0.607	-18.23	-53.738
46221_6221	46221	6221	-3.149	1.235	2.118	0.607	18.23	53.738
46221_6222	46221	6222	3.149	19.898	-2.118	-0.607	-44.714	-170.395
46222_6222	46222	6222	-3.193	17.301	-2.347	0.647	44.714	170.381
46222_6223	46222	6223	3.193	5.101	2.347	-0.647	-13.619	-89.548
46223_6223	46223	6223	-3.192	-5.101	-2.348	1.254	13.619	88.257
46223_6224	46223	6224	3.192	25.806	2.348	-1.254	13.976	-269.858
46224_6224	46224	6224	-3.139	21.691	1.515	-0.029	-13.976	269.77
46224_6225	46224	6225	3.139	-7.167	-1.515	0.029	1.491	-150.829
46225_6225	46225	6225	-3.137	7.167	1.518	0.119	-1.491	150.815
46225_6226	46225	6226	3.137	19.626	-1.518	-0.119	-21.589	-245.546
46226_6226	46226	6226	-3.142	21.946	0.168	0.175	21.589	245.64
46226_6227	46226	6227	3.142	-1.27	-0.168	-0.175	-23.558	-109.426
46227_6227	46227	6227	-3.141	1.27	0.189	0.92	23.558	109.422
46227_6228	46227	6228	3.141	19.411	-0.189	-0.92	-25.779	-215.883
46228_6228	46228	6228	-3.147	21.018	2.296	-0.009	25.779	215.83
46228_6229	46228	6229	3.147	-0.351	-2.296	0.009	-52.714	-90.5
46229_6229	46229	6229	-3.145	0.351	2.299	0.064	52.714	90.5
46229_6230	46229	6230	3.145	20.335	-2.299	-0.064	-79.704	-207.809
46230_6230	46230	6230	-2.908	21.457	-7.598	0.687	79.704	207.729
46230_6231	46230	6231	2.908	-0.048	7.598	-0.687	12.609	-77.081

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46231_6231	46231	6231	-2.971	0.048	-7.573	1.321	-12.609	77.073
46231_6232	46231	6232	2.971	21.368	7.573	-1.321	104.664	-206.64
46232_6232	46232	6232	-3.3	21.26	12.636	-1.636	-104.664	206.689
46232_6233	46232	6233	3.3	0.815	-12.636	1.636	-53.642	-78.613
46233_6233	46233	6233	-3.304	-0.815	12.635	-1.758	53.642	78.592
46233_6234	46233	6234	3.304	20.401	-12.635	1.758	-194.092	-196.51
46234_6234	46234	6234	0.348	19.837	-17.246	1.162	194.092	198.992
46234_6235	46234	6235	-0.348	-1.891	17.246	-1.162	-18.442	-88.343
46235_6235	46235	6235	0.097	1.891	-17.249	2.173	18.442	88.25
46235_6236	46235	6236	-0.097	16.691	17.249	-2.173	152.728	-161.679
46236_6236	46236	6236	-0.969	17.059	11.091	-0.67	-152.728	161.768
46236_6237	46236	6237	0.969	0.939	-11.091	0.67	46.13	-84.304
46237_6237	46237	6237	-0.957	-0.939	11.092	-0.58	-46.13	84.305
46237_6238	46237	6238	0.957	20.59	-11.092	0.58	-70.27	-197.27
46238_6238	46238	6238	-0.117	23.425	-2.503	0.334	70.27	197.442
46238_6239	46238	6239	0.117	0.055	2.503	-0.334	-38.884	-50.929
46239_6239	46239	6239	-0.132	-0.055	-2.502	0.643	38.884	50.927
46239_6240	46239	6240	0.132	22.456	2.502	-0.643	-8.949	-185.568
46240_6240	46240	6240	-0.259	20.571	-0.298	0.142	8.949	185.477
46240_6241	46240	6241	0.259	-1.877	0.298	-0.142	-5.976	-73.43
46241_6241	46241	6241	-0.259	1.877	-0.297	0.282	5.976	73.43
46241_6242	46241	6242	0.259	16.162	0.297	-0.282	-3.112	-142.235
46242_6242	46242	6242	-0.302	17.848	0.646	0.093	3.112	142.295
46242_6243	46242	6243	0.302	1.336	-0.646	-0.093	-9.734	-57.716
46243_6243	46243	6243	-0.302	-1.336	0.646	0.098	9.734	57.716
46243_6244	46243	6244	0.302	18.904	-0.646	-0.098	-15.799	-152.656
46244_6244	46244	6244	-0.259	19.033	-0.308	0.063	15.799	152.612
46244_6245	46244	6245	0.259	-1.532	0.308	-0.063	-12.924	-56.511
46245_6245	46245	6245	-0.262	1.532	-0.305	0.55	12.924	56.509
46245_6246	46245	6246	0.262	17.714	0.305	-0.55	-9.786	-139.666
46246_6246	46246	6246	-0.336	16.1	1.944	0.105	9.786	139.667
46246_6247	46246	6247	0.336	2.714	-1.944	-0.105	-29.315	-72.425
46247_6247	46247	6247	-0.337	-2.714	1.944	0.072	29.315	72.425
46247_6248	46247	6248	0.337	20.643	-1.944	-0.072	-47.923	-184.236
46248_6248	46248	6248	-0.163	22.289	-3.155	-0.056	47.923	184.302
46248_6249	46248	6249	0.163	2.562	3.155	0.056	-6.055	-53.408
46249_6249	46249	6249	-0.21	-2.562	-3.152	0.748	6.055	53.403
46249_6250	46249	6250	0.21	23.589	3.152	-0.748	29.339	-200.223
46250_6250	46250	6250	-0.244	21.877	2.292	0.317	-29.339	200.22
46250_6251	46250	6251	0.244	0.676	-2.292	-0.317	1.735	-72.548
46251_6251	46251	6251	-0.246	-0.676	2.292	0.258	-1.735	72.548
46251_6252	46251	6252	0.246	18.61	-2.292	-0.258	-20.214	-164.906
46252_6252	46252	6252	-0.202	18.711	-0.307	0.703	20.214	164.887
46252_6253	46252	6253	0.202	2.863	0.307	-0.703	-16.673	-73.59
46253_6253	46253	6253	-0.204	-2.863	-0.306	1.056	16.673	73.586
46253_6254	46253	6254	0.204	21.772	0.306	-1.056	-13.579	-197.97
46254_6254	46254	6254	-0.212	19.136	0.289	-2.36	13.579	197.693
46254_6255	46254	6255	0.212	2.992	-0.289	2.36	-16.817	-107.313
46255_6255	46255	6255	-0.212	-2.992	0.289	-2.373	16.817	107.313
46255_6256	46255	6256	0.212	29.281	-0.289	2.373	-20.665	-321.973
46256_6256	46256	6256	-0.207	23.753	-1.541	-2.56	20.665	322.009
46256_6257	46256	6257	0.207	-1.027	1.541	2.56	-2.946	-179.531
46257_6257	46257	6257	-0.218	1.027	-1.539	-1.25	2.946	179.544

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46257_6258	46257	6258	0.218	21.799	1.539	1.25	14.833	-299.507
46258_6258	46258	6258	-0.228	21.447	-2.109	-2.253	-14.833	299.695
46258_6259	46258	6259	0.228	1.673	2.109	2.253	39.501	-184.029
46259_6259	46259	6259	-0.23	-1.673	-2.109	-2.146	-39.501	184.03
46259_6260	46259	6260	0.23	24.116	2.109	2.146	63.446	-330.46
46260_6260	46260	6260	-0.236	20.614	-2.349	-3.997	-63.446	330.636
46260_6261	46260	6261	0.236	2.114	2.349	3.997	90.464	-224.257
46261_6261	46261	6261	-0.259	-2.114	-2.347	-1.798	-90.464	224.286
46261_6262	46261	6262	0.259	24.954	2.347	1.798	117.588	-380.702
46262_6262	46262	6262	-0.332	23.616	-5.89	-3.464	-117.588	380.626
46262_6263	46262	6263	0.332	-1.254	5.89	3.464	184.24	-239.918
46263_6263	46263	6263	-0.328	1.254	-5.891	-3.604	-184.24	239.914
46263_6264	46263	6264	0.328	23.884	5.891	3.604	259.168	-383.835
46264_6264	46264	6264	-0.286	27.432	-2.795	-1.584	-259.168	383.988
46264_6265	46264	6265	0.286	-1.322	2.795	1.584	296.093	-194.041
46265_6265	46265	6265	-0.29	1.322	-2.795	-1.305	-296.093	194.043
46265_6266	46265	6266	0.29	21.411	2.795	1.305	328.24	-309.586
46266_6266	46266	6266	0.288	23.715	15.43	-0.342	-328.24	309.563
46266_6267	46266	6267	-0.288	-2.714	-15.43	0.342	164.267	-169.132
46267_6267	46267	6267	0.325	2.714	15.429	0.065	-164.267	169.133
46267_6268	46267	6268	-0.325	14.226	-15.429	-0.065	32.009	-218.472
46268_6268	46268	6268	0.003	20.867	0.791	0.754	-32.009	218.746
46268_6269	46268	6269	-0.003	4.532	-0.791	-0.754	22.001	-115.419
46269_6269	46269	6269	0.002	-4.532	0.791	0.706	-22.001	115.419
46269_6270	46269	6270	-0.002	26.406	-0.791	-0.706	13.383	-283.952
46270_6270	46270	6270	0.003	35.905	0.558	0.536	-13.383	283.87
46270_6271	46270	6271	-0.003	-12.472	-0.558	-0.536	6.865	-1.566
46271_6271	46271	6271	0.01	12.472	0.558	0.555	-6.865	1.56
46271_6272	46271	6272	-0.01	12.215	-0.558	-0.555	0	0.025
46372_6372	46372	6372	-0.027	8.794	-0.788	0.297	0	-0.055
46372_6373	46372	6373	0.027	9.705	0.788	-0.297	9.755	-5.583
46373_6373	46373	6373	-0.028	-9.705	-0.788	0.299	-9.755	5.583
46373_6374	46373	6374	0.028	27.065	0.788	-0.299	18.909	-219.184
46374_6374	46374	6374	0.008	19.541	1.056	0.634	-18.909	219.176
46374_6375	46374	6375	-0.008	-2.987	-1.056	-0.634	7.214	-94.38
46375_6375	46375	6375	0.007	2.987	1.056	0.553	-7.214	94.381
46375_6376	46375	6376	-0.007	11.89	-1.056	-0.553	-3.297	-138.705
46376_6376	46376	6376	0.014	13.925	0.508	0.141	3.297	138.684
46376_6377	46376	6377	-0.014	3.587	-0.508	-0.141	-9.256	-78.101
46377_6377	46377	6377	0.02	-3.587	0.508	1.093	9.256	78.094
46377_6378	46377	6378	-0.02	20.577	-0.508	-1.093	-15.035	-215.477
46378_6378	46378	6378	-0.245	19.565	-0.225	0.232	15.035	214.514
46378_6379	46378	6379	0.245	0.042	0.225	-0.232	-12.077	-86.416
46379_6379	46379	6379	-0.245	-0.042	-0.225	0.253	12.077	86.416
46379_6380	46379	6380	0.245	16.018	0.225	-0.253	-9.668	-172.277
46380_6380	46380	6380	-0.252	15.796	-0.403	0.172	9.668	172.143
46380_6381	46380	6381	0.252	0.316	0.403	-0.172	-5.317	-88.684
46381_6381	46381	6381	-0.255	-0.316	-0.402	0.775	5.317	88.681
46381_6382	46381	6382	0.255	14.769	0.402	-0.775	-1.431	-161.639
46382_6382	46382	6382	-0.258	18.108	-0.017	0.64	1.431	162.136
46382_6383	46382	6383	0.258	-0.961	0.017	-0.64	-1.239	-52.722
46383_6383	46383	6383	-0.258	0.961	-0.017	0.615	1.239	52.722
46383_6384	46383	6384	0.258	16.291	0.017	-0.615	-1.044	-141.22

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46384_6384	46384	6384	-0.263	17.711	-0.555	1.047	1.044	141.072
46384_6385	46384	6385	0.263	-1.465	0.555	-1.047	5.039	-35.951
46385_6385	46385	6385	-0.263	1.465	-0.555	1.024	-5.039	35.952
46385_6386	46385	6386	0.263	15.643	0.555	-1.024	11.448	-117.802
46386_6386	46386	6386	-0.256	17.888	0.224	0.924	-11.448	117.772
46386_6387	46386	6387	0.256	-0.826	-0.224	-0.924	8.866	-10.024
46387_6387	46387	6387	-0.254	0.826	0.226	1.002	-8.866	10.016
46387_6388	46387	6388	0.254	17.655	-0.226	-1.002	6.046	-114.959
46388_6388	46388	6388	-0.25	17.9	0.482	1.06	-6.046	115.056
46388_6389	46388	6389	0.25	0.476	-0.482	-1.06	0.067	-7.01
46389_6389	46389	6389	-0.25	-0.476	0.482	1.055	-0.067	7.01
46389_6390	46389	6390	0.25	17.63	-0.482	-1.055	-5.512	-111.812
46390_6390	46390	6390	-0.247	17.652	0.444	0.942	5.512	111.85
46390_6391	46390	6391	0.247	1.517	-0.444	-0.942	-11.25	-7.482
46391_6391	46391	6391	-0.244	-1.517	0.445	0.994	11.25	7.475
46391_6392	46391	6392	0.244	17.876	-0.445	-0.994	-16.166	-114.531
46392_6392	46392	6392	-0.25	17.273	-0.015	0.846	16.166	114.568
46392_6393	46392	6393	0.25	0.355	0.015	-0.846	-15.983	-13.932
46393_6393	46393	6393	-0.25	-0.355	-0.015	0.851	15.983	13.932
46393_6394	46393	6394	0.25	18.259	0.015	-0.851	-15.799	-126.389
46394_6394	46394	6394	-0.234	17.419	1.54	0.573	15.799	125.931
46394_6395	46394	6395	0.234	0.174	-1.54	-0.573	-34.085	-23.562
46395_6395	46395	6395	-0.221	-0.174	1.542	0.762	34.085	23.556
46395_6396	46395	6396	0.221	18.096	-1.542	-0.762	-52.735	-134.039
46396_6396	46396	6396	-0.272	15.472	-2.797	0.273	52.735	134.104
46396_6397	46396	6397	0.272	2.37	2.797	-0.273	-19.061	-55.222
46397_6397	46397	6397	-0.275	-2.37	-2.796	0.316	19.061	55.222
46397_6398	46397	6398	0.275	20.047	2.796	-0.316	14.299	-188.941
46398_6398	46398	6398	-0.267	24.261	0.712	1.03	-14.299	188.962
46398_6399	46398	6399	0.267	-5.647	-0.712	-1.03	5.361	-1.103
46399_6399	46399	6399	-0.245	5.647	0.719	1.063	-5.361	1.071
46399_6400	46399	6400	0.245	5.395	-0.719	-1.063	0	-0.131
46572_6572	46572	6572	-0.011	8.706	-0.093	0.559	0	-0.102
46572_6573	46572	6573	0.011	9.802	0.093	-0.559	1.148	-6.681
46573_6573	46573	6573	-0.011	-9.802	-0.093	0.56	-1.148	6.681
46573_6574	46573	6574	0.011	27.047	0.093	-0.56	2.218	-219.326
46574_6574	46574	6574	-0.001	19.67	-0.114	0.33	-2.218	219.282
46574_6575	46574	6575	0.001	-3.4	0.114	-0.33	3.454	-93.682
46575_6575	46575	6575	-0.001	3.4	-0.114	0.325	-3.454	93.682
46575_6576	46575	6576	0.001	11.301	0.114	-0.325	4.571	-132.551
46576_6576	46576	6576	-0.015	13.328	0.957	-0.114	-4.571	132.495
46576_6577	46576	6577	0.015	4.357	-0.957	0.114	-6.75	-79.408
46577_6577	46577	6577	-0.002	-4.357	0.957	0.929	6.75	79.403
46577_6578	46577	6578	0.002	21.509	-0.957	-0.929	-17.732	-227.858
46578_6578	46578	6578	0.219	20.546	-0.36	0.173	17.732	229.705
46578_6579	46578	6579	-0.219	-1.299	0.36	-0.173	-13.095	-89.004
46579_6579	46579	6579	0.219	1.299	-0.36	0.214	13.095	89.004
46579_6580	46579	6580	-0.219	14.912	0.36	-0.214	-9.187	-162.847
46580_6580	46580	6580	0.226	15.567	-0.2	-0.138	9.187	162.988
46580_6581	46580	6581	-0.226	0.307	0.2	0.138	-7.065	-81.922
46581_6581	46581	6581	0.224	-0.307	-0.201	0.479	7.065	81.921
46581_6582	46581	6582	-0.224	14.922	0.201	-0.479	-5.094	-156.399
46582_6582	46582	6582	0.227	17.772	-0.206	0.208	5.094	156.114

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
46582_6583	46582	6583	-0.227	-1.035	0.206	-0.208	-2.788	-50.782
46583_6583	46583	6583	0.227	1.035	-0.206	0.261	2.788	50.782
46583_6584	46583	6584	-0.227	16.44	0.206	-0.261	-0.377	-140.869
46584_6584	46584	6584	0.208	17.875	-1.045	0.391	0.377	141.18
46584_6585	46584	6585	-0.208	-1.853	1.045	-0.391	10.922	-34.52
46585_6585	46585	6585	0.208	1.853	-1.045	0.392	-10.922	34.52
46585_6586	46585	6586	-0.208	15.384	1.045	-0.392	23.078	-113.224
46586_6586	46586	6586	0.232	17.711	0.798	0.722	-23.078	113.408
46586_6587	46586	6587	-0.232	-0.85	-0.798	-0.722	13.997	-7.806
46587_6587	46587	6587	0.237	0.85	0.797	0.771	-13.997	7.802
46587_6588	46587	6588	-0.237	17.727	-0.797	-0.771	4.009	-113.593
46588_6588	46588	6588	0.226	17.754	0.173	0.935	-4.009	113.136
46588_6589	46588	6589	-0.226	0.446	-0.173	-0.935	1.89	-6.84
46589_6589	46589	6589	0.226	-0.446	0.173	0.932	-1.89	6.841
46589_6590	46589	6590	-0.226	17.668	-0.173	-0.932	-0.117	-112.104
46590_6590	46590	6590	0.233	17.554	0.482	1.034	0.117	111.713
46590_6591	46590	6591	-0.233	1.5	-0.482	-1.034	-6.313	-8.492
46591_6591	46591	6591	0.237	-1.5	0.48	1.097	6.313	8.484
46591_6592	46591	6592	-0.237	17.852	-0.48	-1.097	-11.612	-115.267
46592_6592	46592	6592	0.234	17.3	0.281	1.159	11.612	115.975
46592_6593	46592	6593	-0.234	0.091	-0.281	-1.159	-14.911	-14.989
46593_6593	46593	6593	0.234	-0.091	0.281	1.162	14.911	14.989
46593_6594	46593	6594	-0.234	18.125	-0.281	-1.162	-18.331	-125.839
46594_6594	46594	6594	0.239	17.067	0.492	1.041	18.331	125.846
46594_6595	46594	6595	-0.239	0.533	-0.492	-1.041	-24.175	-27.657
46595_6595	46595	6595	0.242	-0.533	0.49	1.244	24.175	27.648
46595_6596	46595	6596	-0.242	18.337	-0.49	-1.244	-30.065	-141.009
46596_6596	46596	6596	0.227	16.316	-0.641	1.204	30.065	141.217
46596_6597	46596	6597	-0.227	1.491	0.641	-1.204	-22.362	-52.134
46597_6597	46597	6597	0.228	-1.491	-0.641	1.183	22.362	52.135
46597_6598	46597	6598	-0.228	19.096	0.641	-1.183	-14.746	-174.439
46598_6598	46598	6598	0.228	22.81	-0.882	1.018	14.746	174.439
46598_6599	46598	6599	-0.228	-4.249	0.882	-1.018	-3.701	-4.964
46599_6599	46599	6599	0.226	4.249	-0.882	1.028	3.701	4.962
46599_6600	46599	6600	-0.226	1.967	0.882	-1.028	0	-0.175
47000_7000	47000	7000	0.102	450.517	7.117	-0.619	0	-5.196
47000_7001	47000	7001	-0.102	-419.879	-7.117	0.619	-74.772	4577.561
47001_7001	47001	7001	0.102	419.879	7.117	-0.596	74.772	-4577.56
47001_7002	47001	7002	-0.102	-392.479	-7.117	0.596	-141.644	8394.113
47002_7002	47002	7002	0.058	335.634	-6.284	5.792	141.644	-8394.12
47002_7003	47002	7003	-0.058	-300.328	6.284	-5.792	-65.555	12244.08
47003_7003	47003	7003	0.052	300.328	-6.284	-5.567	65.555	-12244.1
47003_7004	47003	7004	-0.052	-264.997	6.284	5.567	10.588	15668.85
47004_7004	47004	7004	0.07	220.314	0.271	15.49	-10.588	-15668.9
47004_7005	47004	7005	-0.07	-185.016	-0.271	-15.49	7.313	18122.17
47005_7005	47005	7005	0.071	185.016	0.27	-16.14	-7.313	-18122.2
47005_7006	47005	7006	-0.071	-149.696	-0.27	16.14	4.037	20149.22
47006_7006	47006	7006	0.074	107.026	1.083	18.209	-4.037	-20149.4
47006_7007	47006	7007	-0.074	-71.71	-1.083	-18.209	-9.079	21231.69
47007_7007	47007	7007	0.075	71.71	1.083	-18.797	9.079	-21231.7
47007_7008	47007	7008	-0.075	-36.373	-1.083	18.797	-22.2	21886.58
47008_7008	47008	7008	0.072	-5.872	-0.393	18.64	22.2	-21886.7
47008_7009	47008	7009	-0.072	41.177	0.393	-18.64	-17.439	21601.9

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47009_7009	47009	7009	0.071	-41.177	-0.393	-18.99	17.439	-21601.9
47009_7010	47009	7010	-0.071	76.503	0.393	18.99	-12.673	20889.09
47010_7010	47010	7010	0.076	-117.725	0.808	15.726	12.673	-20889.3
47010_7011	47010	7011	-0.076	153.048	-0.808	-15.726	-22.459	19249.33
47011_7011	47011	7011	0.078	-153.048	0.808	-15.818	22.459	-19249.3
47011_7012	47011	7012	-0.078	188.363	-0.808	15.818	-32.242	17181.96
47012_7012	47012	7012	0.076	-230.551	0.198	12.379	32.242	-17182.1
47012_7013	47012	7013	-0.076	265.863	-0.198	-12.379	-34.634	14176.41
47013_7013	47013	7013	0.077	-265.863	0.197	-12.267	34.634	-14176.4
47013_7014	47013	7014	-0.077	301.197	-0.197	12.267	-37.026	10740.86
47014_7014	47014	7014	0.081	-344.486	1.182	3.817	37.026	-10741
47014_7015	47014	7015	-0.081	390.682	-1.182	-3.817	-55.755	4917.701
47015_7015	47015	7015	4.515	-390.656	1.182	-3.359	55.717	-4917.65
47015_7016	47015	7016	-4.77	413.152	-1.182	3.359	-65.478	1598.907
47016_7016	47016	7016	15.164	-462.039	1.251	-1.819	65.471	-1600.01
47016_7017	47016	7017	-16.217	494.137	-1.251	1.819	-80.178	-4020.02
47017_7017	47017	7017	30.049	-493.486	1.251	3.674	80.549	4020.088
47017_7018	47017	7018	-32.417	532.331	-1.251	-3.674	-97.145	-10825.6
47018_7018	47018	7018	51.632	-579.727	-2.762	-19.506	95.357	10825.38
47018_7019	47018	7019	-55.064	618.221	2.762	19.506	-60.717	-18341.1
47019_7019	47019	7019	72.108	-616.464	-2.763	22.295	65.221	18341.07
47019_7020	47019	7020	-76.903	657.411	2.763	-22.295	-30.504	-26353.2
47020_7020	47020	7020	-2460.94	214.241	-18.203	-3.01	420.103	5837.885
47020_7021	47020	7021	2460.938	-187.669	18.203	3.01	-247.19	-3928.95
47021_7021	47021	7021	-2460.95	187.669	-16.745	-1.744	247.19	3914.006
47021_7022	47021	7022	2460.948	-168.104	16.745	1.744	-117.453	-2535.76
47022_7022	47022	7022	-2460.97	168.104	-13.588	1.509	117.453	2535.764
47022_7023	47022	7023	2460.968	-148.541	13.588	-1.509	-12.192	-1309.28
47023_7023	47023	7023	-2460.99	100.237	-7.034	-0.933	12.192	1309.182
47023_7024	47023	7024	2460.988	-80.016	7.034	0.933	44.129	-587.503
47024_7024	47024	7024	-2461	80.016	-4.309	-0.282	-44.129	587.503
47024_7025	47024	7025	2460.995	-59.823	4.309	0.282	78.581	-28.402
47025_7025	47025	7025	-2461	59.823	-4.309	-0.282	-78.581	28.402
47025_7026	47025	7026	2460.995	-39.629	4.309	0.282	113.034	369.227
47026_7026	47026	7026	-2461	-8.281	-4.034	-0.304	-113.034	-369.33
47026_7027	47026	7027	2460.998	23.444	4.034	0.304	137.255	274.089
47027_7027	47027	7027	-2461	-23.444	-4.472	-0.255	-137.255	-274.089
47027_7028	47027	7028	2460.997	38.581	4.472	0.255	164.059	88.193
47028_7028	47028	7028	-2461	-38.581	0.042	-0.417	-164.059	-88.192
47028_7029	47028	7029	2461.001	53.741	-0.042	0.417	163.805	-188.919
47029_7029	47029	7029	-2461	-53.741	0.042	-0.417	-163.805	188.919
47029_7030	47029	7030	2461.001	68.901	-0.042	0.417	163.552	-557.036
47030_7030	47030	7030	-2461.01	-116.44	1.642	-1.463	-163.552	557.021
47030_7031	47030	7031	2461.005	136.626	-1.642	1.463	150.43	-1568.43
47031_7031	47031	7031	-2461.01	-136.626	1.961	-1.259	-150.43	1568.425
47031_7032	47031	7032	2461.005	156.836	-1.961	1.259	134.736	-2742.73
47032_7032	47032	7032	-2461	-156.836	5.02	2.15	-134.736	2742.733
47032_7033	47032	7033	2461.001	177.044	-5.02	-2.15	94.568	-4078.61
47033_7033	47033	7033	-2460.96	-226.22	12.631	0.627	-94.568	4078.677
47033_7034	47033	7034	2460.962	245.789	-12.631	-0.627	-3.314	-5907.56
47034_7034	47034	7034	-2460.98	-245.789	9.472	-6.957	3.314	5907.556
47034_7035	47034	7035	2460.976	265.361	-9.472	6.957	-76.723	-7888.36
47035_7035	47035	7035	-2460.95	-265.361	14.186	7.508	76.723	7904.085

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47035_7036	47035	7036	2460.953	291.928	-14.186	-7.508	-211.454	-10550.5
47036_7036	47036	7036	76.19	550.933	1.305	-12.156	-31.294	32334.98
47036_7037	47036	7037	-71.395	-509.979	-1.305	12.156	14.9	-25661.8
47037_7037	47037	7037	57.305	511.767	1.296	8.621	-17.034	25661.79
47037_7038	47037	7038	-53.873	-473.28	-1.296	-8.621	0.796	-19483.4
47038_7038	47038	7038	38.028	432.182	1.14	-8.816	0.505	19483.78
47038_7039	47038	7039	-35.661	-393.323	-1.14	8.816	-15.643	-14005.7
47039_7039	47039	7039	24.083	394.121	1.115	19.38	14.609	13981.56
47039_7040	47039	7040	-23.042	-362.368	-1.115	-19.38	-27.714	-9534.61
47040_7040	47040	7040	15.081	310.947	-0.065	-10.503	28.305	9535.057
47040_7041	47040	7041	-14.831	-288.918	0.065	10.503	-27.766	-7061.45
47041_7041	47041	7041	11.739	289.124	-0.088	2.575	27.683	7055.242
47041_7042	47041	7042	-11.739	-252.203	0.088	-2.575	-26.332	-2879.87
47042_7042	47042	7042	11.737	206.676	-1.28	-1.9	26.332	2879.923
47042_7043	47042	7043	-11.737	-178.195	1.28	1.9	-11.104	-589.932
47043_7043	47043	7043	11.735	178.195	-1.299	-0.913	11.104	589.934
47043_7044	47043	7044	-11.735	-149.719	1.299	0.913	4.356	1360.861
47044_7044	47044	7044	11.739	108.912	0.126	0.664	-4.356	-1360.87
47044_7045	47044	7045	-11.739	-80.413	-0.126	-0.664	2.854	2488.04
47045_7045	47045	7045	11.739	80.413	0.117	-1.233	-2.854	-2488.04
47045_7046	47045	7046	-11.739	-51.941	-0.117	1.233	1.46	3275.311
47046_7046	47046	7046	11.739	10.945	0.133	3.729	-1.46	-3275.33
47046_7047	47046	7047	-11.739	17.547	-0.133	-3.729	-0.12	3236.037
47047_7047	47047	7047	11.739	-17.547	0.113	-1.688	0.12	-3236.04
47047_7048	47047	7048	-11.739	46.035	-0.113	1.688	-1.467	2857.635
47048_7048	47048	7048	11.738	-87.489	-0.072	2.742	1.467	-2857.66
47048_7049	47048	7049	-11.738	115.974	0.072	-2.742	-0.614	1646.839
47049_7049	47049	7049	11.738	-115.974	-0.082	1.363	0.614	-1646.84
47049_7050	47049	7050	-11.738	144.458	0.082	-1.363	0.357	97.104
47050_7050	47050	7050	11.741	-186.169	1.285	0.92	-0.357	-97.121
47050_7051	47050	7051	-11.741	223.078	-1.285	-0.92	-19.456	-3058.49
47051_7051	47051	7051	14.462	-222.864	1.265	5.939	19.512	3060.63
47051_7052	47051	7052	-14.693	243.201	-1.265	-5.939	-29.945	-4982.4
47052_7052	47052	7052	21.771	-290.822	0.445	-5.126	29.712	4982.268
47052_7053	47052	7053	-22.731	320.105	-0.445	5.126	-34.948	-8575.43
47053_7053	47053	7053	31.976	-319.245	0.419	13.513	35.978	8579.088
47053_7054	47053	7054	-34.27	356.8	-0.419	-13.513	-41.537	-13065.1
47054_7054	47054	7054	48.471	-400.144	-2.517	-12.028	39.675	13064.97
47054_7055	47054	7055	-51.788	437.247	2.517	12.028	-8.12	-18317.1
47055_7055	47055	7055	63.946	-435.601	-2.536	16.789	11.233	18317.08
47055_7056	47055	7056	-68.564	474.955	2.536	-16.789	20.634	-24043.6
47056_7056	47056	7056	-2052.46	270.084	-11.245	-4.993	173.806	8028.542
47056_7057	47056	7057	2052.455	-244.317	11.245	4.993	-66.902	-5583.45
47057_7057	47057	7057	-2052.47	244.317	-8.886	1.398	66.902	5549.516
47057_7058	47057	7058	2052.467	-223.769	8.886	-1.398	1.973	-3735.45
47058_7058	47058	7058	-2052.48	223.769	-6.245	6.205	-1.973	3735.449
47058_7059	47058	7059	2052.477	-203.223	6.245	-6.205	50.373	-2080.8
47059_7059	47059	7059	-2052.47	156.759	-5.771	0.073	-50.373	2080.876
47059_7060	47059	7060	2052.472	-135.574	5.771	-0.073	96.486	-912.849
47060_7060	47060	7060	-2052.48	135.574	-3.026	1.294	-96.486	912.848
47060_7061	47060	7061	2052.478	-114.365	3.026	-1.294	120.692	86.951
47061_7061	47061	7061	-2052.48	114.365	-0.466	1.185	-120.692	-86.953
47061_7062	47061	7062	2052.48	-93.158	0.466	-1.185	124.423	917.008

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47062_7062	47062	7062	-2052.48	47.96	-1.946	2.344	-124.423	-917.156
47062_7063	47062	7063	2052.479	-32.042	1.946	-2.344	136.107	1157.351
47063_7063	47063	7063	-2052.48	32.042	1.464	0.421	-136.107	-1157.35
47063_7064	47063	7064	2052.48	-16.125	-1.464	-0.421	127.315	1301.952
47064_7064	47064	7064	-2052.48	16.125	1.231	0.57	-127.315	-1301.95
47064_7065	47064	7065	2052.48	-0.235	-1.231	-0.57	119.938	1350.984
47065_7065	47065	7065	-2052.48	0.235	1.464	0.416	-119.938	-1350.98
47065_7066	47065	7066	2052.48	15.682	-1.464	-0.416	111.146	1304.613
47066_7066	47066	7066	-2052.48	-61.194	5.023	1.038	-111.146	-1304.53
47066_7067	47066	7067	2052.477	82.396	-5.023	-1.038	70.977	730.34
47067_7067	47067	7067	-2052.48	-82.396	5.023	1.038	-70.977	-730.34
47067_7068	47067	7068	2052.477	103.598	-5.023	-1.038	30.807	-13.411
47068_7068	47068	7068	-2052.48	-103.598	5.193	1.039	-30.807	13.411
47068_7069	47068	7069	2052.476	124.826	-5.193	-1.039	-10.772	-927.969
47069_7069	47069	7069	-2052.45	-170.509	10.074	-1.006	10.772	928.111
47069_7070	47069	7070	2052.453	191.044	-10.074	1.006	-88.809	-2328.43
47070_7070	47070	7070	-2052.44	-191.044	12.719	1.994	88.809	2328.432
47070_7071	47070	7071	2052.439	211.577	-12.719	-1.994	-187.32	-3887.69
47071_7071	47071	7071	-2052.44	-211.577	12.919	2.441	187.32	3918.36
47071_7072	47071	7072	2052.437	237.324	-12.919	-2.441	-310.041	-6050.41
47072_7072	47072	7072	74.642	509.579	2.531	-6.144	3.654	21792.63
47072_7073	47072	7073	-70.024	-470.199	-2.531	6.144	-35.479	-15627.5
47073_7073	47073	7073	56.991	471.98	2.52	5.357	34.13	15627.54
47073_7074	47073	7074	-53.674	-434.859	-2.52	-5.357	-65.73	-9937.58
47074_7074	47074	7074	38.841	394.463	-1.073	0.317	66.139	9937.78
47074_7075	47074	7075	-36.547	-356.927	1.073	-0.317	-51.908	-4954.43
47075_7075	47075	7075	25.724	357.878	-1.099	8.569	51.664	4948.921
47075_7076	47075	7076	-24.796	-329.571	1.099	-8.569	-38.746	-908.7
47076_7076	47076	7076	17.533	281.879	0.08	-1.02	38.928	908.771
47076_7077	47076	7077	-17.309	-262.196	-0.08	1.02	-39.591	1336.539
47077_7077	47077	7077	14.465	262.425	0.064	-2.911	39.598	-1339.62
47077_7078	47077	7078	-14.465	-227.07	-0.064	2.911	-40.487	4761.626
47078_7078	47078	7078	14.46	188.53	-0.925	1.838	40.487	-4761.66
47078_7079	47078	7079	-14.46	-160.219	0.925	-1.838	-30.126	6714.07
47079_7079	47079	7079	14.46	160.219	-0.938	-3.828	30.126	-6714.07
47079_7080	47079	7080	-14.46	-131.933	0.938	3.828	-19.638	8348.091
47080_7080	47080	7080	14.462	95.475	-0.011	3.787	19.638	-8348.16
47080_7081	47080	7081	-14.462	-67.193	0.011	-3.787	-19.514	9257.88
47081_7081	47081	7081	14.462	67.193	-0.025	-4.9	19.514	-9257.88
47081_7082	47081	7082	-14.462	-38.886	0.025	4.9	-19.237	9851.63
47082_7082	47082	7082	14.461	0.426	-0.192	4.13	19.237	-9851.7
47082_7083	47082	7083	-14.461	29.98	0.192	-4.13	-16.924	9674.007
47083_7083	47083	7083	14.461	-29.98	-0.204	-3.906	16.924	-9674.01
47083_7084	47083	7084	-14.461	60.385	0.204	3.906	-14.466	9130.708
47084_7084	47084	7084	14.46	-98.524	-0.258	4.094	14.466	-9130.77
47084_7085	47084	7085	-14.46	126.825	0.258	-4.094	-11.582	7869.659
47085_7085	47085	7085	14.46	-126.825	-0.27	-2.603	11.582	-7869.66
47085_7086	47085	7086	-14.46	155.1	0.27	2.603	-8.564	6293.4
47086_7086	47086	7086	14.46	-192.231	-0.16	4.85	8.564	-6293.43
47086_7087	47086	7087	-14.46	220.53	0.16	-4.85	-6.778	3983.691
47087_7087	47087	7087	14.459	-220.53	-0.185	-2.262	6.778	-3983.69
47087_7088	47087	7088	-14.459	248.827	0.185	2.262	-4.703	1357.468
47088_7088	47088	7088	14.462	-285.56	0.629	-0.546	4.703	-1357.47

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47088_7089	47088	7089	-14.462	319.576	-0.629	0.546	-13.166	-2712.82
47089_7089	47089	7089	18.183	-319.344	0.602	4.334	13.206	2718.716
47089_7090	47089	7090	-18.419	340.133	-0.602	-4.334	-18.17	-5438.2
47090_7090	47090	7090	27.236	-382.762	0.378	-7.511	17.877	5438.049
47090_7091	47090	7091	-28.217	412.667	-0.378	7.511	-22.319	-10113.3
47091_7091	47091	7091	39.908	-411.636	0.355	8.63	23.104	10112.89
47091_7092	47091	7092	-42.158	448.569	-0.355	-8.63	-27.809	-15821
47092_7092	47092	7092	58.739	-491.012	-2.618	-16.14	25.881	15820.69
47092_7093	47092	7093	-61.996	527.536	2.618	16.14	6.949	-22209.8
47093_7093	47093	7093	76.582	-525.589	-2.642	19.33	-3.253	22209.83
47093_7094	47093	7094	-81.123	564.367	2.642	-19.33	36.453	-29065.6
47094_7094	47094	7094	-2340.23	241.218	-7.533	-5.686	75.839	8674.011
47094_7095	47094	7095	2340.226	-215.898	7.533	5.686	-4.233	-6501.32
47095_7095	47095	7095	-2340.23	215.898	-5.416	0.036	4.233	6503.302
47095_7096	47095	7096	2340.232	-195.862	5.416	-0.036	37.71	-4908.82
47096_7096	47096	7096	-2340.24	195.862	-2.294	6.583	-37.71	4908.816
47096_7097	47096	7097	2340.237	-175.8	2.294	-6.583	55.501	-3467.81
47097_7097	47097	7097	-2340.24	131.715	-0.577	-2.982	-55.501	3467.804
47097_7098	47097	7098	2340.24	-111.032	0.577	2.982	60.115	-2497.48
47098_7098	47098	7098	-2340.24	111.032	2.444	0.242	-60.115	2497.479
47098_7099	47098	7099	2340.238	-90.324	-2.444	-0.242	40.556	-1691.63
47099_7099	47099	7099	-2340.23	90.324	5.366	2.354	-40.556	1691.629
47099_7100	47099	7100	2340.233	-69.617	-5.366	-2.354	-2.393	-1051.55
47100_7100	47100	7100	-2340.26	25.994	-0.387	-0.118	2.393	1051.666
47100_7101	47100	7101	2340.255	-10.489	0.387	0.118	-0.074	-942.346
47101_7101	47101	7101	-2340.25	10.489	3.633	1.5	0.074	942.344
47101_7102	47101	7102	2340.252	5.041	-3.633	-1.5	-21.884	-925.992
47102_7102	47102	7102	-2340.25	-5.041	-4.16	-1.583	21.884	925.992
47102_7103	47102	7103	2340.251	20.572	4.16	1.583	3.087	-1002.87
47103_7103	47103	7103	-2340.26	-20.572	-0.387	0.034	-3.087	1002.873
47103_7104	47103	7104	2340.255	36.077	0.387	-0.034	5.406	-1172.62
47104_7104	47104	7104	-2340.25	-79.945	-4.028	-1.488	-5.406	1172.524
47104_7105	47104	7105	2340.254	100.652	4.028	1.488	37.644	-1895.27
47105_7105	47105	7105	-2340.26	-100.652	-1.105	0.879	-37.644	1895.267
47105_7106	47105	7106	2340.257	121.358	1.105	-0.879	46.489	-2783.71
47106_7106	47106	7106	-2340.26	-121.358	-1.193	0.774	-46.489	2783.709
47106_7107	47106	7107	2340.257	142.039	1.193	-0.774	56.025	-3836.46
47107_7107	47107	7107	-2340.25	-185.69	4.431	-2.465	-56.025	3836.51
47107_7108	47107	7108	2340.247	205.748	-4.431	2.465	21.667	-5353.94
47108_7108	47108	7108	-2340.25	-205.748	4.431	-2.465	-21.667	5353.94
47108_7109	47108	7109	2340.247	225.806	-4.431	2.465	-12.691	-7026.88
47109_7109	47109	7109	-2340.24	-225.806	6.746	4.31	12.691	7024.243
47109_7110	47109	7110	2340.241	251.093	-6.746	-4.31	-76.736	-9287.98
47110_7110	47110	7110	91.916	548.716	1.937	-19.998	-13.562	29921.54
47110_7111	47110	7111	-87.375	-509.919	-1.937	19.998	-10.793	-23260.2
47111_7111	47111	7111	73.266	512.163	1.894	16.776	6.884	23260.23
47111_7112	47111	7112	-70.009	-475.626	-1.894	-16.776	-30.629	-17062.2
47112_7112	47112	7112	54.231	437.468	-0.341	-4.689	32.393	17062.57
47112_7113	47112	7113	-51.981	-400.552	0.341	4.689	-27.877	-11504.7
47113_7113	47113	7113	40.065	401.944	-0.376	9.655	27.329	11506.8
47113_7114	47113	7114	-39.094	-372.33	0.376	-9.655	-22.91	-6955.02
47114_7114	47114	7114	30.96	325.884	-0.203	-2.92	23.176	6955.276
47114_7115	47114	7115	-30.726	-305.294	0.203	2.92	-21.504	-4351.02

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47115_7115	47115	7115	27.428	305.661	-0.218	-0.74	21.484	4339.733
47115_7116	47115	7116	-27.428	-272.763	0.218	0.74	-18.436	-298.632
47116_7116	47116	7116	27.427	233.471	-0.638	-0.547	18.436	298.634
47116_7117	47116	7117	-27.427	-207.121	0.638	0.547	-11.298	2166.914
47117_7117	47117	7117	27.427	207.121	-0.662	-2.448	11.298	-2166.91
47117_7118	47117	7118	-27.427	-180.794	0.662	2.448	-3.898	4335.704
47118_7118	47118	7118	27.426	145.619	-0.072	-0.801	3.898	-4335.69
47118_7119	47118	7119	-27.426	-119.27	0.072	0.801	-3.093	5817.934
47119_7119	47119	7119	27.426	119.27	-0.072	-0.801	3.093	-5817.93
47119_7120	47119	7120	-27.426	-92.921	0.072	0.801	-2.288	7005.294
47120_7120	47120	7120	27.427	54.715	-0.109	6.359	2.288	-7005.32
47120_7121	47120	7121	-27.427	-26.412	0.109	-6.359	-0.977	7492.936
47121_7121	47121	7121	27.426	26.412	-0.155	-6.106	0.977	-7492.94
47121_7122	47121	7122	-27.426	1.89	0.155	6.106	0.882	7640.322
47122_7122	47122	7122	27.426	-39.753	-0.158	4.214	-0.882	-7640.33
47122_7123	47122	7123	-27.426	66.101	0.158	-4.214	2.645	7048.036
47123_7123	47123	7123	27.426	-66.101	-0.182	-2.083	-2.645	-7048.04
47123_7124	47123	7124	-27.426	92.448	0.182	2.083	4.683	6160.907
47124_7124	47124	7124	27.426	-129.697	0.032	5.932	-4.683	-6160.91
47124_7125	47124	7125	-27.426	156.044	-0.032	-5.932	4.321	4562.111
47125_7125	47125	7125	27.426	-156.044	-0.017	-2.222	-4.321	-4562.11
47125_7126	47125	7126	-27.426	182.391	0.017	2.222	4.507	2668.51
47126_7126	47126	7126	27.43	-219.503	0.763	2.112	-4.507	-2668.49
47126_7127	47126	7127	-27.43	251.336	-0.763	-2.112	-5.802	-514.469
47127_7127	47127	7127	30.419	-250.966	0.726	2.586	5.822	522.722
47127_7128	47127	7128	-30.634	269.87	-0.726	-2.586	-11.811	-2671.31
47128_7128	47128	7128	38.13	-315.665	0.861	-1.817	11.703	2671.194
47128_7129	47128	7129	-39.023	342.875	-0.861	1.817	-21.819	-6541.91
47129_7129	47129	7129	48.788	-341.561	0.804	10.356	22.532	6540.151
47129_7130	47129	7130	-50.968	377.332	-0.804	-10.356	-33.18	-11310.4
47130_7130	47130	7130	65.277	-416.278	-3.127	-3.689	32.225	11310.27
47130_7131	47130	7131	-68.436	451.707	3.127	3.689	6.933	-16755.3
47131_7131	47131	7131	84.624	-448.92	-3.145	8.008	-5.617	16755.27
47131_7132	47131	7132	-89.036	484.133	3.145	-8.008	42.518	-22245.5
47132_7132	47132	7132	-2038.89	216.911	21.303	7.146	-322.185	6376.851
47132_7133	47132	7133	2038.894	-190.329	-21.303	-7.146	102.334	-4275.49
47133_7133	47133	7133	-2038.92	190.329	18.673	-0.006	-102.334	4298.155
47133_7134	47133	7134	2038.92	-172.078	-18.673	0.006	-42.379	-2893.83
47134_7134	47134	7134	-2038.96	172.078	13.421	-7.459	42.379	2893.817
47134_7135	47134	7135	2038.961	-153.804	-13.421	7.459	-146.527	-1629.39
47135_7135	47135	7135	-2038.93	115.465	-4.436	-0.52	146.527	1629.472
47135_7136	47135	7136	2038.934	-96.649	4.436	0.52	-111.082	-782.057
47136_7136	47136	7136	-2038.94	96.649	-1.872	0.463	111.082	782.058
47136_7137	47136	7137	2038.938	-77.81	1.872	-0.463	-96.109	-84.213
47137_7137	47137	7137	-2038.94	77.81	-1.872	0.463	96.109	84.213
47137_7138	47137	7138	2038.938	-58.97	1.872	-0.463	-81.137	462.912
47138_7138	47138	7138	-2038.93	19.788	-4.386	0.816	81.137	-462.973
47138_7139	47138	7139	2038.934	-5.658	4.386	-0.816	-54.819	539.313
47139_7139	47139	7139	-2038.94	5.658	-0.988	-0.082	54.819	-539.314
47139_7140	47139	7140	2038.939	8.472	0.988	0.082	-48.889	530.873
47140_7140	47140	7140	-2038.94	-8.472	-0.988	-0.082	48.889	-530.873
47140_7141	47140	7141	2038.939	22.601	0.988	0.082	-42.96	437.654
47141_7141	47141	7141	-2038.94	-22.601	-0.988	-0.082	42.96	-437.654

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47141_7142	47141	7142	2038.939	36.731	0.988	0.082	-37.031	259.655
47142_7142	47142	7142	-2038.94	-77.918	-3.826	-0.058	37.031	-259.726
47142_7143	47142	7143	2038.936	96.758	3.826	0.058	-6.421	-438.995
47143_7143	47143	7143	-2038.94	-96.758	-1.278	0.491	6.421	438.994
47143_7144	47143	7144	2038.939	115.598	1.278	-0.491	3.799	-1288.43
47144_7144	47144	7144	-2038.94	-115.598	-1.278	0.491	-3.799	1288.429
47144_7145	47144	7145	2038.939	134.437	1.278	-0.491	14.019	-2288.58
47145_7145	47145	7145	-2038.93	-178.083	-2.252	2.21	-14.019	2288.51
47145_7146	47145	7146	2038.932	196.334	2.252	-2.21	31.471	-3739.4
47146_7146	47146	7146	-2038.93	-196.334	-4.883	-2.614	-31.471	3739.396
47146_7147	47146	7147	2038.928	214.585	4.883	2.614	69.311	-5331.74
47147_7147	47147	7147	-2038.93	-214.585	-2.459	3.13	-69.311	5311.926
47147_7148	47147	7148	2038.932	239.056	2.459	-3.13	92.676	-7466.75
47148_7148	47148	7148	103.642	476.336	1.231	-8.698	-21.727	24112.35
47148_7149	47148	7149	-99.23	-438.65	-1.231	8.698	6.272	-18356.9
47149_7149	47149	7149	87.06	441.247	1.193	6.119	-7.852	18356.95
47149_7150	47149	7150	-83.901	-405.818	-1.193	-6.119	-7.095	-13043.6
47150_7150	47150	7150	69.884	365.185	0.85	-1.956	7.788	13043.51
47150_7151	47150	7151	-67.704	-329.414	-0.85	1.956	-19.076	-8434.69
47151_7151	47151	7151	57.615	331.317	0.806	2.821	18.874	8446.491
47151_7152	47151	7152	-56.698	-303.364	-0.806	-2.821	-28.344	-4716.34
47152_7152	47152	7152	50.027	252.086	-1.769	-0.288	28.42	4716.221
47152_7153	47152	7153	-49.806	-232.661	1.769	0.288	-13.827	-2716.55
47153_7153	47153	7153	47.343	233.233	-1.723	-2.82	13.816	2715.731
47153_7154	47153	7154	-47.343	-201.86	1.723	2.82	9.873	275.586
47154_7154	47154	7154	47.334	159.458	0.259	-1.225	-9.873	-275.577
47154_7155	47154	7155	-47.334	-134.359	-0.259	1.225	7.03	1891.599
47155_7155	47155	7155	47.334	134.359	0.259	-1.225	-7.03	-1891.6
47155_7156	47155	7156	-47.334	-109.261	-0.259	1.225	4.186	3231.529
47156_7156	47156	7156	47.336	73.254	-0.215	-2.393	-4.186	-3231.53
47156_7157	47156	7157	-47.336	-50.437	0.215	2.393	6.332	3849.991
47157_7157	47157	7157	47.336	50.437	-0.167	1.457	-6.332	-3849.99
47157_7158	47157	7158	-47.336	-27.62	0.167	-1.457	8.005	4240.282
47158_7158	47158	7158	47.333	-5.642	0.139	-1.686	-8.005	-4240.28
47158_7159	47158	7159	-47.333	28.482	-0.139	1.686	6.614	4069.486
47159_7159	47159	7159	47.333	-28.482	0.187	2.404	-6.614	-4069.49
47159_7160	47159	7160	-47.333	51.299	-0.187	-2.404	4.748	3670.575
47160_7160	47160	7160	47.332	-88.651	0.361	0.064	-4.748	-3670.56
47160_7161	47160	7161	-47.332	113.75	-0.361	-0.064	0.777	2557.346
47161_7161	47161	7161	47.332	-113.75	0.404	2.389	-0.777	-2557.35
47161_7162	47161	7162	-47.332	138.849	-0.404	-2.389	-3.666	1168.034
47162_7162	47162	7162	47.329	-179.423	0.874	1.172	3.666	-1168.04
47162_7163	47162	7163	-47.329	210.796	-0.874	-1.172	-15.679	-1514.76
47163_7163	47163	7163	49.873	-210.222	0.828	2.531	15.7	1515.177
47163_7164	47163	7164	-50.094	229.647	-0.828	-2.531	-22.53	-3329.73
47164_7164	47164	7164	56.852	-278.341	1.059	-0.304	22.492	3329.843
47164_7165	47164	7165	-57.769	306.294	-1.059	0.304	-34.941	-6766.16
47165_7165	47165	7165	66.559	-304.463	1.027	3.966	35.224	6759.415
47165_7166	47165	7166	-68.767	340.673	-1.027	-3.966	-48.845	-11037
47166_7166	47166	7166	83.144	-391.417	-1.809	-4.18	48.295	11036.8
47166_7167	47166	7167	-86.342	427.287	1.809	4.18	-25.618	-16172.7
47167_7167	47167	7167	98.177	-424.714	-1.847	7.983	27.011	16172.73
47167_7168	47167	7168	-102.641	462.841	1.847	-7.983	-3.807	-21756.2

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47168_7168	47168	7168	-1974.84	245.858	3.116	-3.576	-91.974	6810.478
47168_7169	47168	7169	1974.836	-221.052	-3.116	3.576	62.373	-4592.61
47169_7169	47169	7169	-1974.83	221.052	5.396	0.614	-62.373	4617.316
47169_7170	47169	7170	1974.831	-202.298	-5.396	-0.614	20.555	-2976.81
47170_7170	47170	7170	-1974.83	202.298	5.396	0.614	-20.555	2976.812
47170_7171	47170	7171	1974.831	-183.544	-5.396	-0.614	-21.263	-1481.66
47171_7171	47171	7171	-1974.8	136.184	0.548	0.42	21.263	1481.555
47171_7172	47171	7172	1974.798	-116.825	-0.548	-0.42	-25.645	-469.508
47172_7172	47172	7172	-1974.8	116.825	-1.921	-0.167	25.645	469.508
47172_7173	47172	7173	1974.797	-97.465	1.921	0.167	-10.279	387.667
47173_7173	47173	7173	-1974.8	97.465	0.548	-0.652	10.279	-387.667
47173_7174	47173	7174	1974.798	-78.106	-0.548	0.652	-14.661	1089.959
47174_7174	47174	7174	-1974.8	33.601	0.95	-0.472	14.661	-1090.05
47174_7175	47174	7175	1974.8	-19.081	-0.95	0.472	-20.362	1248.092
47175_7175	47175	7175	-1974.8	19.081	-2.341	1.608	20.362	-1248.09
47175_7176	47175	7176	1974.799	-4.561	2.341	-1.608	-6.314	1319.02
47176_7176	47176	7176	-1974.8	4.561	0.95	-0.59	6.314	-1319.02
47176_7177	47176	7177	1974.8	9.958	-0.95	0.59	-12.015	1302.83
47177_7177	47177	7177	-1974.8	-9.958	0.95	-0.59	12.015	-1302.83
47177_7178	47177	7178	1974.8	24.478	-0.95	0.59	-17.715	1199.522
47178_7178	47178	7178	-1974.8	-69.531	1.067	-0.403	17.715	-1199.61
47178_7179	47178	7179	1974.801	88.89	-1.067	0.403	-26.251	565.917
47179_7179	47179	7179	-1974.8	-88.89	-1.401	0.304	26.251	-565.917
47179_7180	47179	7180	1974.801	108.25	1.401	-0.304	-15.04	-222.66
47180_7180	47180	7180	-1974.8	-108.25	1.067	0.583	15.04	222.659
47180_7181	47180	7181	1974.801	127.609	-1.067	-0.583	-23.576	-1166.11
47181_7181	47181	7181	-1974.77	-174.561	-3.76	2.68	23.576	1166.02
47181_7182	47181	7182	1974.771	193.316	3.76	-2.68	5.568	-2591.56
47182_7182	47182	7182	-1974.77	-193.316	-3.76	2.68	-5.568	2591.564
47182_7183	47182	7183	1974.771	212.07	3.76	-2.68	34.712	-4162.46
47183_7183	47183	7183	-1974.77	-212.07	-6.04	-2.982	-34.712	4142.601
47183_7184	47183	7184	1974.766	236.876	6.04	2.982	92.096	-6275.14
47184_7184	47184	7184	104.399	474.226	2.235	5.059	-17.159	21166.23
47184_7185	47184	7185	-99.935	-436.099	-2.235	-5.059	-10.92	-15440.1
47185_7185	47185	7185	87.825	438.716	2.273	-7.504	12.201	15440.07
47185_7186	47185	7186	-84.626	-402.846	-2.273	7.504	-40.7	-10161.1
47186_7186	47186	7186	70.426	358	-1.4	-1.897	40.084	10161.14
47186_7187	47186	7187	-68.218	-321.762	1.4	1.897	-21.498	-5650.77
47187_7187	47187	7187	58.234	323.656	-1.368	-3.523	21.464	5656.89
47187_7188	47187	7188	-57.276	-294.437	1.368	3.523	-5.387	-2024.24
47188_7188	47188	7188	50.78	239.805	-0.33	-2.184	5.344	2024.239
47188_7189	47188	7189	-50.549	-219.492	0.33	2.184	-2.619	-129.564
47189_7189	47189	7189	48.245	220.079	-0.283	-2.28	2.589	136.514
47189_7190	47189	7190	-48.245	-185.823	0.283	2.28	1.308	2654.109
47190_7190	47190	7190	48.245	141.999	-0.284	-1.757	-1.308	-2654.1
47190_7191	47190	7191	-48.245	-114.594	0.284	1.757	4.429	4065.381
47191_7191	47191	7191	48.245	114.594	-0.284	-1.757	-4.429	-4065.38
47191_7192	47191	7192	-48.245	-87.188	0.284	1.757	7.549	5175.198
47192_7192	47192	7192	48.246	47.992	-0.593	-0.637	-7.549	-5175.18
47192_7193	47192	7193	-48.246	-23.129	0.593	0.637	13.469	5530.082
47193_7193	47193	7193	48.246	23.129	-0.593	-0.664	-13.469	-5530.08
47193_7194	47193	7194	-48.246	1.76	0.593	0.664	19.398	5636.819
47194_7194	47194	7194	48.242	-37.33	-0.038	3.04	-19.398	-5636.83

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47194_7195	47194	7195	-48.242	62.218	0.038	-3.04	19.773	5139.582
47195_7195	47195	7195	48.242	-62.218	-0.086	-2.105	-19.773	-5139.58
47195_7196	47195	7196	-48.242	87.107	0.086	2.105	20.631	4393.692
47196_7196	47196	7196	48.234	-126.711	0.648	1.554	-20.631	-4393.67
47196_7197	47196	7197	-48.234	154.116	-0.648	-1.554	13.503	2849.103
47197_7197	47197	7197	48.234	-154.116	0.648	1.554	-13.503	-2849.1
47197_7198	47197	7198	-48.234	181.521	-0.648	-1.554	6.376	1003.075
47198_7198	47198	7198	48.238	-223.129	0.328	1.416	-6.376	-1003.08
47198_7199	47198	7199	-48.238	257.36	-0.328	-1.416	1.87	-2297.94
47199_7199	47199	7199	51.397	-256.753	0.281	3.716	-1.839	2283.495
47199_7200	47199	7200	-51.642	277.907	-0.281	-3.716	-0.479	-4489.1
47200_7200	47200	7200	59.655	-327.468	0.461	4.962	0.59	4489.139
47200_7201	47200	7201	-60.672	357.884	-0.461	-4.962	-6.004	-8517.58
47201_7201	47201	7201	71.029	-355.963	0.506	-2.124	5.702	8518.728
47201_7202	47201	7202	-73.531	396.467	-0.506	2.124	-12.409	-13512
47202_7202	47202	7202	89.611	-446.144	-2.649	9.712	13.435	13511.98
47202_7203	47202	7203	-93.21	486.038	2.649	-9.712	19.778	-19360.7
47203_7203	47203	7203	106.734	-483.24	-2.611	-5.151	-21.35	19360.7
47203_7204	47203	7204	-111.716	525.392	2.611	5.151	54.154	-25707.3
47204_7204	47204	7204	-2187.51	277.159	-2.163	2.89	29.153	8724.728
47204_7205	47204	7205	2187.505	-249.295	2.163	-2.89	-8.607	-6224.04
47205_7205	47205	7205	-2187.5	249.295	-4.762	-4.833	8.607	5981.404
47205_7206	47205	7206	2187.501	-228.045	4.762	4.833	28.302	-4131.67
47206_7206	47206	7206	-2187.51	228.045	-1.94	0.498	-28.302	4131.676
47206_7207	47206	7207	2187.505	-206.795	1.94	-0.498	43.336	-2446.65
47207_7207	47207	7207	-2187.52	155.629	-0.369	0.603	-43.336	2446.654
47207_7208	47207	7208	2187.519	-133.694	0.369	-0.603	46.291	-1289.35
47208_7208	47208	7208	-2187.52	133.694	-0.369	0.603	-46.291	1289.345
47208_7209	47208	7209	2187.519	-111.759	0.369	-0.603	49.245	-307.519
47209_7209	47209	7209	-2187.52	111.759	-3.104	0.219	-49.245	307.519
47209_7210	47209	7210	2187.517	-89.824	3.104	-0.219	74.075	498.829
47210_7210	47210	7210	-2187.54	38.928	1.151	0.501	-74.075	-498.808
47210_7211	47210	7211	2187.536	-22.476	-1.151	-0.501	67.17	683.022
47211_7211	47211	7211	-2187.54	22.476	1.151	0.501	-67.17	-683.022
47211_7212	47211	7212	2187.536	-6.025	-1.151	-0.501	60.265	768.528
47212_7212	47212	7212	-2187.54	6.025	-2.495	1.782	-60.265	-768.526
47212_7213	47212	7213	2187.535	10.426	2.495	-1.782	75.234	755.322
47213_7213	47213	7213	-2187.54	-10.426	1.151	0.523	-75.234	-755.324
47213_7214	47213	7214	2187.536	26.878	-1.151	-0.523	68.329	643.411
47214_7214	47214	7214	-2187.55	-78.834	2.539	1.648	-68.329	-643.388
47214_7215	47214	7215	2187.553	100.769	-2.539	-1.648	48.019	-75.033
47215_7215	47215	7215	-2187.55	-100.769	2.539	1.648	-48.019	75.033
47215_7216	47215	7216	2187.553	122.704	-2.539	-1.648	27.709	-968.937
47216_7216	47216	7216	-2187.55	-122.704	-0.196	0.437	-27.709	968.939
47216_7217	47216	7217	2187.554	144.639	0.196	-0.437	29.274	-2038.33
47217_7217	47217	7217	-2187.58	-196.294	4.962	-15.153	-29.274	2038.129
47217_7218	47217	7218	2187.584	217.543	-4.962	15.153	-9.185	-3641.77
47218_7218	47218	7218	-2187.58	-217.543	4.962	-15.153	9.185	3641.769
47218_7219	47218	7219	2187.584	238.793	-4.962	15.153	-47.644	-5410.1
47219_7219	47219	7219	-2187.44	-238.793	25.463	38.319	47.644	5660.7
47219_7220	47219	7220	2187.441	266.657	-25.463	-38.319	-289.548	-8061.61
47220_7220	47220	7220	93.855	525.056	2.57	-29.905	-23.526	24937.68
47220_7221	47220	7221	-88.873	-482.935	-2.57	29.905	-8.774	-18600.3

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47221_7221	47221	7221	75.387	485.254	2.471	28.91	2.39	18600.28
47221_7222	47221	7222	-71.788	-445.354	-2.471	-28.91	-33.391	-12761
47222_7222	47222	7222	56.241	400.92	0.365	-5.155	36.34	12762.26
47222_7223	47222	7223	-53.739	-360.406	-0.365	5.155	-41.16	-7708.98
47223_7223	47223	7223	42.488	361.749	0.274	22.848	40.33	7677.024
47223_7224	47223	7224	-41.418	-329.762	-0.274	-22.848	-43.557	-3614.94
47224_7224	47224	7224	34.034	273.083	0.606	-4.454	44.055	3615.637
47224_7225	47224	7225	-33.776	-250.804	-0.606	4.454	-49.054	-1453.62
47225_7225	47225	7225	31.076	251.275	0.492	0.418	49.065	1461.481
47225_7226	47225	7226	-31.076	-209.419	-0.492	-0.418	-56.428	1986.353
47226_7226	47226	7226	31.071	160.191	-0.223	6.504	56.428	-1986.46
47226_7227	47226	7227	-31.071	-127.704	0.223	-6.504	-53.836	3658.784
47227_7227	47227	7227	31.07	127.704	-0.331	-6.208	53.836	-3658.79
47227_7228	47227	7228	-31.07	-95.241	0.331	6.208	-49.993	4952.878
47228_7228	47228	7228	31.072	47.306	-1.493	11.902	49.993	-4952.76
47228_7229	47228	7229	-31.072	-14.839	1.493	-11.902	-32.656	5313.518
47229_7229	47229	7229	31.065	14.839	-1.627	-10.956	32.656	-5313.52
47229_7230	47229	7230	-31.065	17.634	1.627	10.956	-13.763	5297.295
47230_7230	47230	7230	30.933	-68.959	6.23	8.773	13.763	-5296.77
47230_7231	47230	7231	-30.933	102.836	-6.23	-8.773	-89.236	4256.132
47231_7231	47231	7231	30.958	-102.836	6.104	-8.579	89.236	-4256.13
47231_7232	47231	7232	-30.958	136.749	-6.104	8.579	-163.257	2803.357
47232_7232	47232	7232	31.107	-183.378	-5.155	6.584	163.257	-2803.01
47232_7233	47232	7233	-31.107	191.948	5.155	-6.584	-147.458	2227.871
47233_7233	47233	7233	32.898	-191.6	-5.204	2.052	147.483	-2227.87
47233_7234	47233	7234	-33.044	208.61	5.204	-2.052	-116.467	1035.273
47234_7234	47234	7234	36.581	-207.929	-5.248	-0.92	116.429	-1035.28
47234_7235	47234	7235	-37.166	231.968	5.248	0.92	-72.426	-809.339
47235_7235	47235	7235	40.91	-231.252	-5.298	-0.626	72.401	809.337
47235_7236	47235	7236	-41.557	247.604	5.298	0.626	-42.402	-2165.67
47236_7236	47236	7236	43.884	-304.328	5.577	-5.665	42.202	2171.162
47236_7237	47236	7237	-46.042	341.419	-5.577	5.665	-102.051	-5638.18
47237_7237	47237	7237	54.028	-340.349	5.502	5.348	103.052	5657.86
47237_7238	47237	7238	-56.824	375.155	-5.502	-5.348	-155.343	-9064.05
47238_7238	47238	7238	67.943	-402.412	-1.5	-19.891	153.082	9062.175
47238_7239	47238	7239	-71.541	437.947	1.5	19.891	-139.059	-13024.7
47239_7239	47239	7239	71.14	-438.041	-1.571	15.593	142.729	13024.66
47239_7240	47239	7240	-75.256	478.952	1.571	-15.593	-126.409	-17824.6
47240_7240	47240	7240	-2006.5	307.977	-55.722	-7.403	1066.411	5565.065
47240_7241	47240	7241	2006.499	-281.234	55.722	7.403	-635.624	-3287.46
47241_7241	47241	7241	-2006.68	281.234	-48.85	3.283	635.624	3299.855
47241_7242	47241	7242	2006.678	-252.075	48.85	-3.283	-217.686	-1018.5
47242_7242	47242	7242	-2006.78	252.075	-44.686	5.397	217.686	1018.486
47242_7243	47242	7243	2006.776	-224.108	44.686	-5.397	148.994	935.24
47243_7243	47243	7243	-2008.06	166.28	-14.558	3.254	-148.994	-935.256
47243_7244	47243	7244	2008.062	-131.741	14.558	-3.254	296.526	2445.332
47244_7244	47244	7244	-2008.09	131.741	-9.795	-2.546	-296.526	-2445.33
47244_7245	47244	7245	2008.091	-99.384	9.795	2.546	389.519	3542.453
47245_7245	47245	7245	-2007.68	54.537	-12.928	5.587	-389.519	-3541.54
47245_7246	47245	7246	2007.681	-19.296	12.928	-5.587	523.197	3923.261
47246_7246	47246	7246	-2007.71	19.296	-7.83	-4.374	-523.197	-3923.26
47246_7247	47246	7247	2007.708	12.326	7.83	4.374	595.847	3955.594
47247_7247	47247	7247	-2007.77	-64.005	-2.208	7.981	-595.847	-3954.88

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47247_7248	47247	7248	2007.77	96.009	2.208	-7.981	616.578	3203.582
47248_7248	47248	7248	-2007.76	-96.009	5.962	-5.055	-616.578	-3203.59
47248_7249	47248	7249	2007.762	130.903	-5.962	5.055	555.536	2042.027
47249_7249	47249	7249	-2008.1	-177.847	23.282	1.67	-555.536	-2041.6
47249_7250	47249	7250	2008.097	211.892	-23.282	-1.67	322.967	95.012
47250_7250	47250	7250	-2008.03	-211.892	28.647	1.417	-322.967	-95.017
47250_7251	47250	7251	2008.028	244.714	-28.647	-1.417	47.097	-2103.54
47251_7251	47251	7251	-2006.99	-294.466	-8.428	-44.167	-47.097	2102.33
47251_7252	47251	7252	2006.992	320.884	8.428	44.167	112.425	-4487.24
47252_7252	47252	7252	-2007.01	-320.884	0.086	-25.104	-112.425	4485.806
47252_7253	47252	7253	2007.01	353.729	-0.086	25.104	111.611	-7688.52
47253_7253	47253	7253	44.502	488.106	-40.583	90.479	31.179	19619.5
47253_7254	47253	7254	-40.998	-459.539	40.583	-90.479	265.506	-16157.3
47254_7254	47254	7254	24.028	397.483	26.134	-11.304	-252.311	16154.24
47254_7255	47254	7255	-19.553	-353.542	-26.134	11.304	-52.03	-11783.5
47255_7255	47255	7255	11.194	353.95	26.174	15.389	49.402	11783.46
47255_7256	47255	7256	-8.33	-317.259	-26.174	-15.389	-312.918	-8405.69
47256_7256	47256	7256	-0.267	276.538	-12.026	-8.85	314.342	8405.203
47256_7257	47256	7257	2.165	-243.09	12.026	8.85	-201.288	-5963.06
47257_7257	47257	7257	-6.796	243.029	-11.99	0.111	200.505	5956.876
47257_7258	47257	7258	7.607	-221.623	11.99	-0.111	-114.809	-4296.45
47258_7258	47258	7258	-10.675	221.564	-11.97	3.842	114.648	4296.455
47258_7259	47258	7259	11.05	-206.388	11.97	-3.842	-53.607	-3205.31
47259_7259	47259	7259	-14.554	152.607	-0.546	-6.858	53.724	3065.262
47259_7260	47259	7260	14.807	-128.784	0.546	6.858	-49.492	-1973.48
47260_7260	47260	7260	-16.452	128.901	-0.496	-1.025	49.499	1963.498
47260_7261	47260	7261	16.452	-102.677	0.496	1.025	-45.197	-958.45
47261_7261	47261	7261	-16.452	102.677	-0.477	0.062	45.197	958.451
47261_7262	47261	7262	16.452	-78.337	0.477	-0.062	-41.355	-229.317
47262_7262	47262	7262	-16.458	12.523	-1.135	-2.477	41.355	229.322
47262_7263	47262	7263	16.458	22.468	1.135	2.477	-28.211	-286.917
47263_7263	47263	7263	-16.46	-22.468	-1.1	-1.865	28.211	286.921
47263_7264	47263	7264	16.46	57.134	1.1	1.865	-15.591	-743.593
47264_7264	47264	7264	-16.478	-111.082	-2.196	-6.462	15.591	743.678
47264_7265	47264	7265	16.478	146.469	2.196	6.462	10.135	-2251.97
47265_7265	47265	7265	-16.486	-146.469	-2.136	1.731	-10.135	2251.981
47265_7266	47265	7266	16.486	180.745	2.136	-1.731	34.372	-4108.07
47266_7266	47266	7266	-16.445	-237.919	0.636	-14.721	-34.372	4108.656
47266_7267	47266	7267	16.445	272.576	-0.636	14.721	27.075	-7036.54
47267_7267	47267	7267	-16.443	-272.576	0.686	6.554	-27.075	7036.548
47267_7268	47267	7268	16.443	307.553	-0.686	-6.554	19.135	-10394.6
47268_7268	47268	7268	-16.47	-374.908	-0.223	-44.12	-19.135	10396.1
47268_7269	47268	7269	16.47	386.979	0.223	44.12	20.024	-11918.1
47269_7269	47269	7269	-11.905	-386.854	-0.182	-16.919	-20.178	11938.44
47269_7270	47269	7270	11.499	418.734	0.182	16.919	21.955	-15871.6
47270_7270	47270	7270	-2.912	-418.398	-0.139	24.435	-21.231	15871.61
47270_7271	47270	7271	1.742	452.157	0.139	-24.435	22.635	-20332.6
47271_7271	47271	7271	12.106	-512.999	-14.803	-61.364	-26.146	20363.77
47271_7272	47271	7272	-14.848	559.379	14.803	61.364	207.996	-26949.1
47272_7272	47272	7272	29.358	-558.455	-14.732	55.564	-201.151	26949.11
47272_7273	47272	7273	-33.557	607.244	14.732	-55.564	385.138	-34225.7
47273_7273	47273	7273	48.718	-625.248	27.95	-83.879	-397.728	34232.66
47273_7274	47273	7274	-51.096	647.697	-27.95	83.879	241.927	-37780.5

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47274_7274	47274	7274	60.563	-646.782	27.987	7.762	-233.455	37780.61
47274_7275	47274	7275	-64.587	680.093	-27.987	-7.762	8.273	-43118.3
47275_7275	47275	7275	-3199.39	474.561	35.668	62.483	648.226	14043.87
47275_7276	47275	7276	3199.39	-454.478	-35.668	-62.483	-844.373	-11489.4
47276_7276	47276	7276	-3202.29	386.326	-64.042	-23.932	844.373	13441.55
47276_7277	47276	7277	3202.285	-371.598	64.042	23.932	-588.317	-11926.4
47277_7277	47277	7277	-3202.39	371.598	-58.571	-8.952	588.317	12220.5
47277_7278	47277	7278	3202.39	-336.734	58.571	8.952	5.039	-8632.6
47278_7278	47278	7278	-3202.55	336.734	-49.363	15.869	-5.039	8632.592
47278_7279	47278	7279	3202.545	-304.998	49.363	-15.869	460.248	-5673.68
47279_7279	47279	7279	-3202.16	226.617	-17.686	-6.48	-460.248	5674.43
47279_7280	47279	7280	3202.163	-186.438	17.686	6.48	666.727	-3263.22
47280_7280	47280	7280	-3202.21	186.438	-4.305	7.156	-666.727	3263.22
47280_7281	47280	7281	3202.209	-144.514	4.305	-7.156	719.171	-1247.37
47281_7281	47281	7281	-3202.34	107.963	0.434	0.247	-719.171	1213.355
47281_7282	47281	7282	3202.335	-71.677	-0.434	-0.247	713.794	-100.183
47282_7282	47282	7282	-3202.32	71.677	9.486	0.53	-713.794	100.182
47282_7283	47282	7283	3202.321	-38.113	-9.486	-0.53	605.05	529.102
47283_7283	47283	7283	-3202.84	-62.263	-5.733	-0.313	-605.05	-529.377
47283_7284	47283	7284	3202.844	93.609	5.733	0.313	666.432	-305.018
47284_7284	47284	7284	-3202.84	-93.609	7.282	0.927	-666.432	305.016
47284_7285	47284	7285	3202.841	122.055	-7.282	-0.927	595.68	-1352.67
47285_7285	47285	7285	-3203.17	-183.286	100.057	-10.276	-595.68	1352.546
47285_7286	47285	7286	3203.167	207.207	-100.057	10.276	-221.803	-2947.75
47286_7286	47286	7286	-3202.99	-207.207	105.532	-5.237	221.803	2947.76
47286_7287	47286	7287	3202.991	228.717	-105.532	5.237	-997.097	-4549.02
47287_7287	47287	7287	-3202.75	-228.717	112.659	-4.737	997.097	4259.182
47287_7288	47287	7288	3202.748	254.119	-112.659	4.737	-1899.88	-6193.76
47288_7288	47288	7288	99.995	864.926	-19.577	-24.133	306.177	31343.31
47288_7289	47288	7289	-95.568	-818.805	19.577	24.133	-57.26	-20642.5
47289_7289	47289	7289	82.662	820.213	-19.634	43.28	51.303	20642.47
47289_7290	47289	7290	-79.588	-781.876	19.634	-43.28	165.539	-11797.2
47290_7290	47290	7290	57.416	709.351	4.843	-7.242	-161.324	11799.17
47290_7291	47290	7291	-56.013	-684.443	-4.843	7.242	125.598	-6658.72
47291_7291	47291	7291	42.103	685.462	4.827	1.274	-125.96	6658.719
47291_7292	47291	7292	-41.062	-656.508	-4.827	-1.274	83.903	-813.223
47292_7292	47292	7292	29.238	657.159	4.754	6.805	-83.98	809.023
47292_7293	47292	7293	-29.018	-644.863	-4.754	-6.805	63.677	1971.408
47293_7293	47293	7293	20.072	589.823	-0.525	13.89	-63.578	-1971.57
47293_7294	47293	7294	-19.977	-569.318	0.525	-13.89	67.324	6108.631
47294_7294	47294	7294	17.35	569.411	-0.557	2.918	-67.263	-6108.65
47294_7295	47294	7295	-17.35	-544.736	0.557	-2.918	72.05	10897.18
47295_7295	47295	7295	17.349	544.736	-0.597	-21.865	-72.05	-10894.9
47295_7296	47295	7296	-17.349	-521.301	0.597	21.865	76.258	14654
47296_7296	47296	7296	17.43	449.15	3.705	30.594	-76.258	-14625.8
47296_7297	47296	7297	-17.43	-412.779	-3.705	-30.594	35.557	19360.62
47297_7297	47297	7297	17.44	412.779	3.659	-20.399	-35.557	-19360.6
47297_7298	47297	7298	-17.44	-375.06	-3.659	20.399	-6.128	23848.8
47298_7298	47298	7298	17.397	309.814	0.626	57.565	6.128	-23851.5
47298_7299	47298	7299	-17.397	-272.643	-0.626	-57.565	-13.152	27121.47
47299_7299	47299	7299	17.4	272.643	0.562	-41.449	13.152	-27121.5
47299_7300	47299	7300	-17.4	-230.913	-0.562	41.449	-20.237	30295.22
47300_7300	47300	7300	17.398	162.366	0.286	55.811	20.237	-30298.7

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
47300_7301	47300	7301	-17.398	-122.027	-0.286	-55.811	-23.726	32031.4
47301_7301	47301	7301	17.399	122.027	0.23	-48.173	23.726	-32031.4
47301_7302	47301	7302	-17.399	-83.462	-0.23	48.173	-26.403	33228.28
47302_7302	47302	7302	17.413	13.741	0.953	61.928	26.403	-33231.6
47302_7303	47302	7303	-17.413	28.573	-0.953	-61.928	-38.584	33136.8
47303_7303	47303	7303	17.416	-28.573	0.888	-61.717	38.584	-33136.8
47303_7304	47303	7304	-17.416	65.155	-0.888	61.717	-48.397	32618.95
47304_7304	47304	7304	17.42	-136.335	0.876	59.859	48.397	-32622.6
47304_7305	47304	7305	-17.42	174.587	-0.876	-59.859	-58.52	30826.3
47305_7305	47305	7305	17.423	-174.587	0.814	-49.612	58.52	-30826.3
47305_7306	47305	7306	-17.423	215.201	-0.814	49.612	-68.508	28435.34
47306_7306	47306	7306	17.397	-289.804	-1.027	51.602	68.508	-28438.1
47306_7307	47306	7307	-17.397	329.151	1.027	-51.602	-56.297	24759.84
47307_7307	47307	7307	17.393	-329.151	-1.097	-47.469	56.297	-24759.8
47307_7308	47307	7308	-17.393	368.677	1.097	47.469	-43.199	20594
47308_7308	47308	7308	17.574	-457.451	11.488	31.817	43.199	-20595.7
47308_7309	47308	7309	-17.574	497.18	-11.488	-31.817	-181.061	14867.56
47309_7309	47309	7309	17.623	-497.18	11.413	-30.926	181.061	-14867.6
47309_7310	47309	7310	-17.623	536.302	-11.413	30.926	-315.939	8760.949
47310_7310	47310	7310	17.158	-637.466	-23.619	0.459	315.939	-8761.5
47310_7311	47310	7311	-17.158	681.749	23.619	-0.459	0	-61.633
48000_8000	48000	8000	-1.171	9.835	-9.603	-4.207	0	0.513
48000_8001	48000	8001	1.171	5.367	9.603	4.207	90.328	20.499
48001_8001	48001	8001	-1.165	-5.367	-9.604	-4.195	-90.328	-20.502
48001_8002	48001	8002	1.165	20.146	9.604	4.195	178.149	-96.15
48002_8002	48002	8002	-1.144	20.349	7.558	-5.093	-178.149	96.073
48002_8003	48002	8003	1.144	-0.793	-7.558	5.093	86.696	31.842
48003_8003	48003	8003	-1.151	0.793	7.557	-5.064	-86.696	-31.846
48003_8004	48003	8004	1.151	18.749	-7.557	5.064	-4.68	-76.713
48004_8004	48004	8004	-1.15	20.2	-1.227	-2.93	4.68	76.902
48004_8005	48004	8005	1.15	-0.639	1.227	2.93	10.165	49.21
48005_8005	48005	8005	-1.15	0.639	-1.227	-2.925	-10.165	-49.21
48005_8006	48005	8006	1.15	18.907	1.227	2.925	25	-61.253
48006_8006	48006	8006	-1.148	19.809	0.008	-1.599	-25	61.173
48006_8007	48006	8007	1.148	-0.247	-0.008	1.599	24.906	60.203
48007_8007	48007	8007	-1.148	0.247	0.008	-1.593	-24.906	-60.203
48007_8008	48007	8008	1.148	19.298	-0.008	1.593	24.814	-54.991
48008_8008	48008	8008	-1.148	19.426	0.027	0.055	-24.814	54.994
48008_8009	48008	8009	1.148	0.123	-0.027	-0.055	24.492	61.748
48009_8009	48009	8009	-1.148	-0.123	0.027	0.055	-24.492	-61.748
48009_8010	48009	8010	1.148	19.672	-0.027	-0.055	24.169	-57.973
48010_8010	48010	8010	-1.148	19.186	0.271	1.61	-24.169	58.162
48010_8011	48010	8011	1.148	0.379	-0.271	-1.61	20.885	55.681
48011_8011	48011	8011	-1.148	-0.379	0.271	1.616	-20.885	-55.681
48011_8012	48011	8012	1.148	19.928	-0.271	-1.616	17.604	-67.129
48012_8012	48012	8012	-1.142	18.719	1.575	2.685	-17.604	67.117
48012_8013	48012	8013	1.142	0.834	-1.575	-2.685	-1.455	41.071
48013_8013	48013	8013	-1.142	-0.834	1.575	2.685	1.455	-41.071
48013_8014	48013	8014	1.142	20.387	-1.575	-2.685	-20.515	-87.303
48014_8014	48014	8014	-1.144	17.69	-0.086	3.041	20.515	87.247
48014_8015	48014	8015	1.144	7.677	0.086	-3.041	-19.157	-8.668
48015_8015	48015	8015	-1.144	-7.677	-0.087	3.039	19.157	8.674
48015_8016	48015	8016	1.144	21.011	0.087	-3.039	-18.442	-127.025

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48016_8016	48016	8016	-1.154	19.522	1.195	2.25	18.442	127.791
48016_8017	48016	8017	1.154	-0.807	-1.195	-2.25	-32.479	-8.369
48017_8017	48017	8017	-1.154	0.807	1.195	2.252	32.479	8.369
48017_8018	48017	8018	1.154	20.296	-1.195	-2.252	-48.312	-137.471
48018_8018	48018	8018	-1.116	19.471	-4.094	1.391	48.312	137.594
48018_8019	48018	8019	1.116	0.447	4.094	-1.391	2.876	-18.648
48019_8019	48019	8019	-1.116	-0.447	-4.094	1.389	-2.876	18.649
48019_8020	48019	8020	1.116	20.348	4.094	-1.389	54.025	-148.56
48020_8020	48020	8020	-1.179	21.168	3.542	0.646	-54.025	148.603
48020_8021	48020	8021	1.179	-6.039	-3.542	-0.646	20.379	-19.393
48021_8021	48021	8021	-1.18	6.039	3.542	0.649	-20.379	19.394
48021_8022	48021	8022	1.18	6.318	-3.542	-0.649	-7.1	-20.478
48022_8022	48022	8022	-1.18	-6.318	3.542	0.646	7.1	20.478
48022_8023	48022	8023	1.18	18.66	-3.542	-0.646	-34.542	-117.24
48023_8023	48023	8023	-1.169	19.415	-1.145	0.074	34.542	117.206
48023_8024	48023	8024	1.169	-6.673	1.145	-0.074	-25.385	-12.856
48024_8024	48024	8024	-1.17	6.673	-1.143	0.09	25.385	12.856
48024_8025	48024	8025	1.17	6.068	1.143	-0.09	-16.241	-10.435
48025_8025	48025	8025	-1.169	-6.068	-1.145	0.077	16.241	10.435
48025_8026	48025	8026	1.169	18.81	1.145	-0.077	-7.084	-109.941
48026_8026	48026	8026	-1.173	18.956	-0.408	0.029	7.084	109.941
48026_8027	48026	8027	1.173	-9.392	0.408	-0.029	-4.634	-24.838
48027_8027	48027	8027	-1.173	9.392	-0.406	0.066	4.634	24.838
48027_8028	48027	8028	1.173	0.154	0.406	-0.066	-2.199	2.844
48028_8028	48028	8028	-1.173	-0.154	-0.408	0.07	2.199	-2.843
48028_8029	48028	8029	1.173	9.718	0.408	-0.07	0.25	-26.795
48029_8029	48029	8029	-1.173	-9.718	-0.406	0.115	-0.25	26.795
48029_8030	48029	8030	1.173	19.281	0.406	-0.115	2.688	-113.838
48030_8030	48030	8030	-1.171	18.386	0.564	0.141	-2.688	113.801
48030_8031	48030	8031	1.171	-5.65	-0.564	-0.141	-1.821	-17.711
48031_8031	48031	8031	-1.171	5.65	0.564	0.143	1.821	17.711
48031_8032	48031	8032	1.171	7.101	-0.564	-0.143	-6.336	-23.517
48032_8032	48032	8032	-1.17	-7.101	0.565	0.169	6.336	23.516
48032_8033	48032	8033	1.17	19.835	-0.565	-0.169	-10.855	-131.181
48033_8033	48033	8033	-1.184	18.654	-1.746	-0.272	10.855	131.201
48033_8034	48033	8034	1.184	-6.309	1.746	0.272	2.68	-34.462
48034_8034	48034	8034	-1.187	6.309	-1.745	-0.228	-2.68	34.462
48034_8035	48034	8035	1.187	6.035	1.745	0.228	16.202	-33.398
48035_8035	48035	8035	-1.186	-6.035	-1.745	-0.242	-16.202	33.398
48035_8036	48035	8036	1.186	21.165	1.745	0.242	32.781	-162.576
48036_8036	48036	8036	-1.161	20.891	2.394	-0.97	-32.781	162.639
48036_8037	48036	8037	1.161	-0.974	-2.394	0.97	2.853	-25.946
48037_8037	48037	8037	-1.161	0.974	2.393	-0.972	-2.853	25.946
48037_8038	48037	8038	1.161	18.927	-2.393	0.972	-27.05	-138.096
48038_8038	48038	8038	-1.187	15.056	-0.436	-2.057	27.05	138.254
48038_8039	48038	8039	1.187	6.051	0.436	2.057	-21.275	-78.587
48039_8039	48039	8039	-1.187	-6.051	-0.436	-1.848	21.275	77.718
48039_8040	48039	8040	1.187	24.421	0.436	1.848	-16.148	-256.809
48040_8040	48040	8040	-1.206	18.808	-2	-3.366	16.148	256.954
48040_8041	48040	8041	1.206	-5.918	2	3.366	0.351	-154.983
48041_8041	48041	8041	-1.205	5.918	-2.001	-3.441	-0.351	154.981
48041_8042	48041	8042	1.205	17.948	2.001	3.441	30.908	-246.839
48042_8042	48042	8042	-1.209	20.541	0.084	-2.398	-30.908	247.025

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48042_8043	48042	8043	1.209	-1.96	-0.084	2.398	29.912	-113.268
48043_8043	48043	8043	-1.209	1.96	0.084	-2.39	-29.912	113.268
48043_8044	48043	8044	1.209	16.637	-0.084	2.39	28.915	-200.591
48044_8044	48044	8044	-1.209	19.731	-0.254	-0.6	-28.915	200.302
48044_8045	48044	8045	1.209	-1.15	0.254	0.6	31.929	-76.178
48045_8045	48045	8045	-1.209	1.15	-0.255	-0.664	-31.929	76.177
48045_8046	48045	8046	1.209	17.433	0.255	0.664	34.956	-172.984
48046_8046	48046	8046	-1.208	19.225	0.12	1.253	-34.956	172.776
48046_8047	48046	8047	1.208	-0.652	-0.12	-1.253	33.528	-54.666
48047_8047	48047	8047	-1.209	0.652	0.119	1.211	-33.528	54.667
48047_8048	48047	8048	1.209	17.938	-0.119	-1.211	32.11	-157.468
48048_8048	48048	8048	-1.206	18.863	1.001	2.759	-32.11	157.352
48048_8049	48048	8049	1.206	-0.29	-1.001	-2.759	20.21	-43.545
48049_8049	48049	8049	-1.207	0.29	1	2.726	-20.21	43.547
48049_8050	48049	8050	1.207	18.3	-1	-2.726	8.311	-150.656
48050_8050	48050	8050	-1.202	17.595	0.752	3.541	-8.311	150.44
48050_8051	48050	8051	1.202	6.271	-0.752	-3.541	-3.168	-63.977
48051_8051	48051	8051	-1.202	-6.271	0.752	3.541	3.168	63.981
48051_8052	48051	8052	1.202	19.16	-0.752	-3.541	-9.368	-168.849
48052_8052	48052	8052	-1.196	20.472	0.316	2.544	9.368	168.918
48052_8053	48052	8053	1.196	-2.095	-0.316	-2.544	-13.085	-36.247
48053_8053	48053	8053	-1.196	2.095	0.315	2.483	13.085	36.261
48053_8054	48053	8054	1.196	17.966	-0.315	-2.483	-17.259	-141.36
48054_8054	48054	8054	-1.175	18.357	-3.267	1.609	17.259	141.499
48054_8055	48054	8055	1.175	0.587	3.267	-1.609	23.599	-30.38
48055_8055	48055	8055	-1.178	-0.587	-3.266	1.631	-23.599	30.378
48055_8056	48055	8056	1.178	19.515	3.266	-1.631	64.412	-155.977
48056_8056	48056	8056	-1.192	20.15	2.503	0.928	-64.412	155.941
48056_8057	48056	8057	1.192	-5.763	-2.503	-0.928	40.638	-32.879
48057_8057	48057	8057	-1.19	5.763	2.504	0.958	-40.638	32.88
48057_8058	48057	8058	1.19	5.979	-2.504	-0.958	21.227	-33.717
48058_8058	48058	8058	-1.19	-5.979	2.504	0.958	-21.227	33.717
48058_8059	48058	8059	1.19	17.722	-2.504	-0.958	1.815	-125.588
48059_8059	48059	8059	-1.178	18.885	0.494	0.513	-1.815	125.572
48059_8060	48059	8060	1.178	-6.767	-0.494	-0.513	-2.135	-22.957
48060_8060	48060	8060	-1.178	6.767	0.494	0.513	2.135	22.957
48060_8061	48060	8061	1.178	5.351	-0.494	-0.513	-6.085	-17.29
48061_8061	48061	8061	-1.178	-5.351	0.494	0.513	6.085	17.29
48061_8062	48061	8062	1.178	17.468	-0.494	-0.513	-10.035	-108.57
48062_8062	48062	8062	-1.181	18.35	0.661	0.584	10.035	108.332
48062_8063	48062	8063	1.181	-9.269	-0.661	-0.584	-14	-25.54
48063_8063	48063	8063	-1.181	9.269	0.661	0.584	14	25.54
48063_8064	48063	8064	1.181	-0.187	-0.661	-0.584	-17.966	2.807
48064_8064	48064	8064	-1.18	0.187	0.664	0.579	17.966	-2.808
48064_8065	48064	8065	1.18	8.908	-0.664	-0.579	-21.95	-23.373
48065_8065	48065	8065	-1.181	-8.908	0.661	0.538	21.95	23.374
48065_8066	48065	8066	1.181	17.989	-0.661	-0.538	-25.916	-104.002
48066_8066	48066	8066	-1.173	18.086	1.367	0.516	25.916	104.163
48066_8067	48066	8067	1.173	-5.957	-1.367	-0.516	-36.866	-7.902
48067_8067	48067	8067	-1.173	5.957	1.367	0.515	36.866	7.903
48067_8068	48067	8068	1.173	6.157	-1.367	-0.515	-47.801	-8.702
48068_8068	48068	8068	-1.174	-6.157	1.366	0.504	47.801	8.703
48068_8069	48068	8069	1.174	18.272	-1.366	-0.504	-58.726	-106.395

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48069_8069	48069	8069	-1.196	17.477	-2.903	-0.005	58.726	106.459
48069_8070	48069	8070	1.196	-5.743	2.903	0.005	-36.237	-16.52
48070_8070	48070	8070	-1.196	5.743	-2.903	-0.003	36.237	16.52
48070_8071	48070	8071	1.196	6.006	2.903	0.003	-13.719	-17.541
48071_8071	48071	8071	-1.192	-6.006	-2.905	-0.04	13.719	17.544
48071_8072	48071	8072	1.192	20.398	2.905	0.04	13.882	-142.983
48072_8072	48072	8072	-1.129	20.323	2.825	-0.746	-13.882	142.915
48072_8073	48072	8073	1.129	-1.401	-2.825	0.746	-21.414	-7.214
48073_8073	48073	8073	-1.131	1.401	2.824	-0.751	21.414	7.214
48073_8074	48073	8074	1.131	17.538	-2.824	0.751	-56.729	-108.106
48074_8074	48074	8074	-1.165	15.358	-0.505	-1.841	56.729	108.179
48074_8075	48074	8075	1.165	4.704	0.505	1.841	-50.043	-37.624
48075_8075	48075	8075	-1.165	-4.704	-0.505	-1.53	50.043	37.621
48075_8076	48075	8076	1.165	22.114	0.505	1.53	-44.108	-195.203
48076_8076	48076	8076	-1.187	17.607	-1.819	-2.916	44.108	195.255
48076_8077	48076	8077	1.187	-5.379	1.819	2.916	-29.093	-100.398
48077_8077	48077	8077	-1.188	5.379	-1.819	-2.861	29.093	100.403
48077_8078	48077	8078	1.188	15.127	1.819	2.861	-3.919	-167.866
48078_8078	48078	8078	-1.185	17.755	-0.286	-2.409	3.919	167.925
48078_8079	48078	8079	1.185	-1.195	0.286	2.409	-0.721	-62.018
48079_8079	48079	8079	-1.185	1.195	-0.287	-2.464	0.721	62.016
48079_8080	48079	8080	1.185	15.365	0.287	2.464	2.489	-141.216
48080_8080	48080	8080	-1.187	16.83	-0.34	-1.372	-2.489	141.226
48080_8081	48080	8081	1.187	-0.274	0.34	1.372	6.293	-45.654
48081_8081	48081	8081	-1.187	0.274	-0.34	-1.37	-6.293	45.654
48081_8082	48081	8082	1.187	16.296	0.34	1.37	10.1	-135.254
48082_8082	48082	8082	-1.186	18.064	-0.074	-0.037	-10.1	135.103
48082_8083	48082	8083	1.186	-0.277	0.074	0.037	10.992	-25.005
48083_8083	48083	8083	-1.186	0.277	-0.074	-0.036	-10.992	25.005
48083_8084	48083	8084	1.186	17.524	0.074	0.036	11.885	-128.627
48084_8084	48084	8084	-1.187	16.725	-0.083	1.301	-11.885	128.633
48084_8085	48084	8085	1.187	-0.173	0.083	-1.301	12.817	-34.234
48085_8085	48085	8085	-1.187	0.173	-0.083	1.303	-12.817	34.234
48085_8086	48085	8086	1.187	16.393	0.083	-1.303	13.75	-124.925
48086_8086	48086	8086	-1.186	16.273	0.722	2.318	-13.75	124.784
48086_8087	48086	8087	1.186	0.294	-0.722	-2.318	5.678	-35.441
48087_8087	48087	8087	-1.186	-0.294	0.722	2.317	-5.678	35.442
48087_8088	48087	8088	1.186	16.846	-0.722	-2.317	-2.386	-131.188
48088_8088	48088	8088	-1.184	14.314	0.299	2.868	2.386	131.176
48088_8089	48088	8089	1.184	5.422	-0.299	-2.868	-6.368	-71.945
48089_8089	48089	8089	-1.184	-5.422	0.299	2.894	6.368	71.947
48089_8090	48089	8090	1.184	17.64	-0.299	-2.894	-8.836	-167.051
48090_8090	48090	8090	-1.186	18.582	0.539	2.16	8.836	167.073
48090_8091	48090	8091	1.186	-1.174	-0.539	-2.16	-15.175	-51.002
48091_8091	48091	8091	-1.186	1.174	0.54	2.164	15.175	51.016
48091_8092	48091	8092	1.186	18.164	-0.54	-2.164	-22.329	-163.593
48092_8092	48092	8092	-1.17	17.992	-2.959	1.272	22.329	163.418
48092_8093	48092	8093	1.17	0.248	2.959	-1.272	14.651	-52.528
48093_8093	48093	8093	-1.17	-0.248	-2.959	1.272	-14.651	52.528
48093_8094	48093	8094	1.17	18.487	2.959	-1.272	51.631	-169.607
48094_8094	48094	8094	-1.18	19.294	2.544	0.575	-51.631	169.552
48094_8095	48094	8095	1.18	-5.436	-2.544	-0.575	27.47	-52.126
48095_8095	48095	8095	-1.178	5.436	2.545	0.614	-27.47	52.131

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48095_8096	48095	8096	1.178	5.882	-2.545	-0.614	7.734	-53.86
48096_8096	48096	8096	-1.182	-5.882	2.543	0.542	-7.734	53.861
48096_8097	48096	8097	1.182	17.185	-2.543	-0.542	-11.965	-143.195
48097_8097	48097	8097	-1.166	18.051	-0.405	0.096	11.965	143.185
48097_8098	48097	8098	1.166	-6.371	0.405	-0.096	-8.719	-45.448
48098_8098	48098	8098	-1.166	6.371	-0.407	0.038	8.719	45.448
48098_8099	48098	8099	1.166	5.296	0.407	-0.038	-5.465	-41.151
48099_8099	48099	8099	-1.166	-5.296	-0.405	0.091	5.465	41.151
48099_8100	48099	8100	1.166	16.976	0.405	-0.091	-2.22	-130.285
48100_8100	48100	8100	-1.165	17.57	0.118	0.022	2.22	130.307
48100_8101	48100	8101	1.165	-8.824	-0.118	-0.022	-2.928	-51.213
48101_8101	48101	8101	-1.165	8.824	0.118	0.025	2.928	51.213
48101_8102	48101	8102	1.165	-0.064	-0.118	-0.025	-3.638	-24.535
48102_8102	48102	8102	-1.165	0.064	0.118	0.025	3.638	24.535
48102_8103	48102	8103	1.165	8.697	-0.118	-0.025	-4.347	-50.449
48103_8103	48103	8103	-1.165	-8.697	0.12	0.109	4.347	50.449
48103_8104	48103	8104	1.165	17.457	-0.12	-0.109	-5.069	-128.95
48104_8104	48104	8104	-1.171	17.209	0.814	-0.001	5.069	128.792
48104_8105	48104	8105	1.171	-5.544	-0.814	0.001	-11.574	-37.851
48105_8105	48105	8105	-1.17	5.544	0.815	0.048	11.574	37.851
48105_8106	48105	8106	1.17	6.135	-0.815	-0.048	-18.1	-40.213
48106_8106	48106	8106	-1.17	-6.135	0.815	0.046	18.1	40.213
48106_8107	48106	8107	1.17	17.799	-0.815	-0.046	-24.617	-135.868
48107_8107	48107	8107	-1.182	17	-2.252	-0.468	24.617	135.9
48107_8108	48107	8108	1.182	-5.686	2.252	0.468	-7.153	-47.954
48108_8108	48108	8108	-1.182	5.686	-2.252	-0.468	7.153	47.954
48108_8109	48108	8109	1.182	5.629	2.252	0.468	10.311	-47.733
48109_8109	48109	8109	-1.184	-5.629	-2.251	-0.405	-10.311	47.731
48109_8110	48109	8110	1.184	19.483	2.251	0.405	31.681	-166.932
48110_8110	48110	8110	-1.169	19.204	2.659	-1.138	-31.681	167.012
48110_8111	48110	8111	1.169	-0.958	-2.659	1.138	-1.567	-40.959
48111_8111	48111	8111	-1.167	0.958	2.66	-1.105	1.567	40.96
48111_8112	48111	8112	1.167	17.288	-2.66	1.105	-34.825	-143.053
48112_8112	48112	8112	-1.196	14.499	-0.662	-2.145	34.825	143.092
48112_8113	48112	8113	1.196	4.828	0.662	2.145	-26.052	-79.05
48113_8113	48113	8113	-1.196	-4.828	-0.662	-1.957	26.052	79.032
48113_8114	48113	8114	1.196	21.94	0.662	1.957	-18.271	-236.338
48114_8114	48114	8114	-1.211	16.858	-1.427	-2.881	18.271	236.384
48114_8115	48114	8115	1.211	-4.845	1.427	2.881	-6.493	-146.843
48115_8115	48115	8115	-1.208	4.845	-1.43	-3.182	6.493	146.837
48115_8116	48115	8116	1.208	15.31	1.43	3.182	13.3	-219.271
48116_8116	48116	8116	-1.209	18.132	-0.005	-2.637	-13.3	219.29
48116_8117	48116	8117	1.209	-1.866	0.005	2.637	13.352	-107.582
48117_8117	48117	8117	-1.209	1.866	-0.004	-2.539	-13.352	107.584
48117_8118	48117	8118	1.209	14.415	0.004	2.539	13.392	-177.747
48118_8118	48118	8118	-1.21	17.017	-0.312	-1.494	-13.392	177.754
48118_8119	48118	8119	1.21	-0.737	0.312	1.494	16.876	-78.495
48119_8119	48119	8119	-1.21	0.737	-0.311	-1.425	-16.876	78.496
48119_8120	48119	8120	1.21	15.527	0.311	1.425	20.345	-161.107
48120_8120	48120	8120	-1.21	18.214	0.026	-0.04	-20.345	161.317
48120_8121	48120	8121	1.21	-0.726	-0.026	0.04	20.033	-47.57
48121_8121	48121	8121	-1.21	0.726	0.027	0	-20.033	47.57
48121_8122	48121	8122	1.21	16.762	-0.027	0	19.71	-143.876

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48122_8122	48122	8122	-1.21	16.815	0.022	1.478	-19.71	143.874
48122_8123	48122	8123	1.21	-0.536	-0.022	-1.478	19.465	-46.873
48123_8123	48123	8123	-1.21	0.536	0.023	1.519	-19.465	46.871
48123_8124	48123	8124	1.21	15.742	-0.023	-1.519	19.209	-131.874
48124_8124	48124	8124	-1.21	16.289	0.718	2.725	-19.209	131.881
48124_8125	48124	8125	1.21	-0.025	-0.718	-2.725	11.192	-40.763
48125_8125	48125	8125	-1.21	0.025	0.718	2.726	-11.192	40.763
48125_8126	48125	8126	1.21	16.254	-0.718	-2.726	3.168	-131.485
48126_8126	48126	8126	-1.208	14.27	1.382	3.314	-3.168	131.62
48126_8127	48126	8127	1.208	5.328	-1.382	-3.314	-15.44	-71.44
48127_8127	48127	8127	-1.209	-5.328	1.381	3.253	15.44	71.443
48127_8128	48127	8128	1.209	17.34	-1.381	-3.253	-26.838	-164.949
48128_8128	48128	8128	-1.213	18.452	0.987	2.478	26.838	164.773
48128_8129	48128	8129	1.213	-1.344	-0.987	-2.478	-38.434	-48.473
48129_8129	48129	8129	-1.211	1.344	0.989	2.49	38.434	48.486
48129_8130	48129	8130	1.211	17.955	-0.989	-2.49	-51.533	-158.535
48130_8130	48130	8130	-1.197	17.101	-5.852	1.89	51.533	158.386
48130_8131	48130	8131	1.197	1.105	5.852	-1.89	21.619	-58.411
48131_8131	48131	8131	-1.197	-1.105	-5.852	1.89	-21.619	58.411
48131_8132	48131	8132	1.197	19.311	5.852	-1.89	94.771	-186.009
48132_8132	48132	8132	-2.956	18.377	5.444	0.772	-94.771	154.166
48132_8133	48132	8133	2.956	-4.541	-5.444	-0.772	43.056	-45.307
48133_8133	48133	8133	-2.965	4.541	5.439	0.703	-43.056	45.308
48133_8134	48133	8134	2.965	6.747	-5.439	-0.703	0.903	-53.857
48134_8134	48134	8134	-2.958	-6.747	5.443	0.772	-0.903	53.856
48134_8135	48134	8135	2.958	18.035	-5.443	-0.772	-41.28	-149.885
48135_8135	48135	8135	-2.94	18.386	-1.072	0.32	41.28	150.086
48135_8136	48135	8136	2.94	-6.735	1.072	-0.32	-32.707	-49.602
48136_8136	48136	8136	-2.94	6.735	-1.072	0.32	32.707	49.602
48136_8137	48136	8137	2.94	4.917	1.072	-0.32	-24.135	-42.331
48137_8137	48137	8137	-2.939	-4.917	-1.075	0.267	24.135	42.332
48137_8138	48137	8138	2.939	16.569	1.075	-0.267	-15.533	-128.276
48138_8138	48138	8138	-2.941	17.48	-0.412	0.223	15.533	128.276
48138_8139	48138	8139	2.941	-8.742	0.412	-0.223	-13.058	-49.61
48139_8139	48139	8139	-2.942	8.742	-0.407	0.306	13.058	49.609
48139_8140	48139	8140	2.942	-0.003	0.407	-0.306	-10.613	-23.377
48140_8140	48140	8140	-2.941	0.003	-0.412	0.267	10.613	23.377
48140_8141	48140	8141	2.941	8.736	0.412	-0.267	-8.139	-49.578
48141_8141	48141	8141	-2.941	-8.736	-0.412	0.267	8.139	49.578
48141_8142	48141	8142	2.941	17.475	0.412	-0.267	-5.665	-128.212
48142_8142	48142	8142	-2.943	17.137	0.921	0.409	5.665	128.212
48142_8143	48142	8143	2.943	-5.485	-0.921	-0.409	-13.033	-37.726
48143_8143	48143	8143	-2.944	5.485	0.917	0.362	13.033	37.726
48143_8144	48143	8144	2.944	6.167	-0.917	-0.362	-20.371	-40.455
48144_8144	48144	8144	-2.943	-6.167	0.921	0.413	20.371	40.455
48144_8145	48144	8145	2.943	17.819	-0.921	-0.413	-27.739	-136.398
48145_8145	48145	8145	-2.937	16.798	-2.736	0.038	27.739	136.398
48145_8146	48145	8146	2.937	-5.511	2.736	-0.038	-6.533	-49.95
48146_8146	48146	8146	-2.934	5.511	-2.74	-0.026	6.533	49.95
48146_8147	48146	8147	2.934	5.777	2.74	0.026	14.702	-50.983
48147_8147	48147	8147	-2.936	-5.777	-2.738	0.025	-14.702	50.979
48147_8148	48147	8148	2.936	19.614	2.738	-0.025	40.712	-171.585
48148_8148	48148	8148	-2.946	19.515	3.119	-0.694	-40.712	171.584

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48148_8149	48148	8149	2.946	-1.31	-3.119	0.694	1.72	-41.427
48149_8149	48149	8149	-2.949	1.31	3.117	-0.727	-1.72	41.427
48149_8150	48149	8150	2.949	16.896	-3.117	0.727	-37.244	-138.845
48150_8150	48150	8150	-2.94	13.823	-0.792	-1.609	37.244	138.844
48150_8151	48150	8151	2.94	5.476	0.792	1.609	-26.745	-83.544
48151_8151	48151	8151	-2.941	-5.476	-0.791	-1.521	26.745	82.354
48151_8152	48151	8152	2.941	23.326	0.791	1.521	-17.451	-251.563
48152_8152	48152	8152	-2.939	17.229	-1.122	-2.429	17.451	251.56
48152_8153	48152	8153	2.939	-4.696	1.122	2.429	-8.198	-161.121
48153_8153	48153	8153	-2.94	4.696	-1.12	-2.306	8.198	161.114
48153_8154	48153	8154	2.94	16.193	1.12	2.306	7.196	-240.16
48154_8154	48154	8154	-2.941	18.785	-0.523	-1.763	-7.196	240.161
48154_8155	48154	8155	2.941	-2.074	0.523	1.763	12.95	-125.44
48155_8155	48155	8155	-2.94	2.074	-0.526	-1.877	-12.95	125.439
48155_8156	48155	8156	2.94	14.637	0.526	1.877	18.734	-194.539
48156_8156	48156	8156	-2.941	16.549	-0.31	-0.745	-18.734	194.542
48156_8157	48156	8157	2.941	-1.358	0.31	0.745	21.838	-105.006
48157_8157	48157	8157	-2.941	1.358	-0.31	-0.745	-21.838	105.006
48157_8158	48157	8158	2.941	13.834	0.31	0.745	24.942	-167.389
48158_8158	48158	8158	-2.942	15.331	0.082	0.53	-24.942	167.39
48158_8159	48158	8159	2.942	-0.139	-0.082	-0.53	24.126	-90.043
48159_8159	48159	8159	-2.942	0.139	0.079	0.44	-24.126	90.043
48159_8160	48159	8160	2.942	15.053	-0.079	-0.44	23.338	-164.614
48160_8160	48160	8160	-2.944	16.647	0.655	1.667	-23.338	164.779
48160_8161	48160	8161	2.944	0.064	-0.655	-1.667	16.128	-73.567
48161_8161	48161	8161	-2.944	-0.064	0.658	1.733	-16.128	73.565
48161_8162	48161	8162	2.944	16.774	-0.658	-1.733	8.888	-166.175
48162_8162	48162	8162	-2.945	15.39	1.206	2.467	-8.888	166.177
48162_8163	48162	8163	2.945	5.499	-1.206	-2.467	-7.692	-98.174
48163_8163	48163	8163	-2.946	-5.499	1.204	2.389	7.692	98.168
48163_8164	48163	8164	2.946	18.032	-1.204	-2.389	-17.623	-195.232
48164_8164	48164	8164	-2.944	19.561	1.007	1.956	17.623	195.228
48164_8165	48164	8165	2.944	-1.711	-1.007	-1.956	-29.455	-70.254
48165_8165	48165	8165	-2.945	1.711	1.006	1.89	29.455	70.648
48165_8166	48165	8166	2.945	18.955	-1.006	-1.89	-42.78	-184.889
48166_8166	48166	8166	-2.935	18.879	-4.606	1.092	42.78	184.735
48166_8167	48166	8167	2.935	0.617	4.606	-1.092	14.801	-70.593
48167_8167	48167	8167	-2.939	-0.617	-4.604	1.148	-14.801	70.592
48167_8168	48167	8168	2.939	20.113	4.604	-1.148	72.352	-200.149
48168_8168	48168	8168	-2.962	20.694	4.294	0.469	-72.352	200.004
48168_8169	48168	8169	2.962	-5.877	-4.294	-0.469	31.562	-73.792
48169_8169	48169	8169	-2.965	5.877	4.292	0.402	-31.562	73.788
48169_8170	48169	8170	2.965	6.211	-4.292	-0.402	-1.698	-75.08
48170_8170	48170	8170	-2.96	-6.211	4.295	0.499	1.698	75.08
48170_8171	48170	8171	2.96	18.298	-4.295	-0.499	-34.987	-170.051
48171_8171	48171	8171	-2.954	19.474	-0.867	-0.027	34.987	169.885
48171_8172	48171	8172	2.954	-6.997	0.867	0.027	-28.054	-64.001
48172_8172	48172	8172	-2.953	6.997	-0.87	-0.107	28.054	64.001
48172_8173	48172	8173	2.953	5.481	0.87	0.107	-21.091	-57.937
48173_8173	48173	8173	-2.954	-5.481	-0.867	-0.034	21.091	57.937
48173_8174	48173	8174	2.954	17.958	0.867	0.034	-14.158	-151.693
48174_8174	48174	8174	-2.956	18.85	0.089	-0.036	14.158	151.538
48174_8175	48174	8175	2.956	-9.492	-0.089	0.036	-14.689	-66.51

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48175_8175	48175	8175	-2.956	9.492	0.089	-0.036	14.689	66.51
48175_8176	48175	8176	2.956	-0.134	-0.089	0.036	-15.22	-37.631
48176_8176	48176	8176	-2.956	0.134	0.093	0.027	15.22	37.631
48176_8177	48176	8177	2.956	9.224	-0.093	-0.027	-15.781	-64.901
48177_8177	48177	8177	-2.956	-9.224	0.089	-0.082	15.781	64.901
48177_8178	48177	8178	2.956	18.582	-0.089	0.082	-16.312	-148.319
48178_8178	48178	8178	-2.959	18.44	1.109	-0.005	16.312	148.164
48178_8179	48178	8179	2.959	-5.963	-1.109	0.005	-25.182	-50.552
48179_8179	48179	8179	-2.958	5.963	1.112	0.058	25.182	50.552
48179_8180	48179	8180	2.958	6.515	-1.112	-0.058	-34.081	-52.76
48180_8180	48180	8180	-2.958	-6.515	1.112	0.058	34.081	52.76
48180_8181	48180	8181	2.958	18.992	-1.112	-0.058	-42.98	-154.787
48181_8181	48181	8181	-2.944	17.946	-4.494	-0.365	42.98	154.627
48181_8182	48181	8182	2.944	-5.858	4.494	0.365	-8.154	-62.386
48182_8182	48182	8182	-2.95	5.858	-4.49	-0.284	8.154	62.386
48182_8183	48182	8183	2.95	6.229	4.49	0.284	26.643	-63.824
48183_8183	48183	8183	-2.948	-6.229	-4.492	-0.299	-26.643	63.818
48183_8184	48183	8184	2.948	21.046	4.492	0.299	69.313	-193.376
48184_8184	48184	8184	-2.972	20.888	4.965	-0.969	-69.313	193.24
48184_8185	48184	8185	2.972	-1.392	-4.965	0.969	7.256	-53.994
48185_8185	48185	8185	-2.968	1.392	4.967	-0.925	-7.256	53.995
48185_8186	48185	8186	2.968	18.104	-4.967	0.925	-54.83	-158.449
48186_8186	48186	8186	-2.96	15.68	-1.203	-1.648	54.83	158.305
48186_8187	48186	8187	2.96	4.986	1.203	1.648	-38.891	-87.457
48187_8187	48187	8187	-2.959	-4.986	-1.204	-1.708	38.891	86.979
48187_8188	48187	8188	2.959	24.102	1.204	1.708	-24.743	-257.869
48188_8188	48188	8188	-2.961	19.343	-1.676	-2.826	24.743	257.686
48188_8189	48188	8189	2.961	-5.921	1.676	2.826	-10.913	-153.475
48189_8189	48189	8189	-2.96	5.921	-1.678	-2.919	10.913	153.492
48189_8190	48189	8190	2.96	16.449	1.678	2.919	12.157	-225.871
48190_8190	48190	8190	-2.959	19.606	-1.114	-2.503	-12.157	225.703
48190_8191	48190	8191	2.959	-1.71	1.114	2.503	24.405	-108.464
48191_8191	48191	8191	-2.96	1.71	-1.111	-2.405	-24.405	108.466
48191_8192	48191	8192	2.96	16.185	1.111	2.405	36.625	-188.081
48192_8192	48192	8192	-2.961	17.387	-0.361	-0.914	-36.625	187.91
48192_8193	48192	8193	2.961	-1.183	0.361	0.914	40.215	-95.433
48193_8193	48193	8193	-2.961	1.183	-0.361	-0.914	-40.215	95.433
48193_8194	48193	8194	2.961	15.037	0.361	0.914	43.81	-164.496
48194_8194	48194	8194	-2.966	16.132	0.381	0.788	-43.81	164.506
48194_8195	48194	8195	2.966	0.088	-0.381	-0.788	40.01	-84.522
48195_8195	48195	8195	-2.966	-0.088	0.381	0.788	-40.01	84.522
48195_8196	48195	8196	2.966	16.308	-0.381	-0.788	36.211	-166.252
48196_8196	48196	8196	-2.967	17.655	0.621	2.483	-36.211	166.092
48196_8197	48196	8197	2.967	0.241	-0.621	-2.483	29.375	-70.314
48197_8197	48197	8197	-2.967	-0.241	0.621	2.483	-29.375	70.314
48197_8198	48197	8198	2.967	18.136	-0.621	-2.483	22.539	-171.388
48198_8198	48198	8198	-2.97	16.405	1.038	3.481	-22.539	171.233
48198_8199	48198	8199	2.97	5.964	-1.038	-3.481	8.27	-99.451
48199_8199	48199	8199	-2.971	-5.964	1.036	3.404	-8.27	99.448
48199_8200	48199	8200	2.971	19.37	-1.036	-3.404	-0.264	-203.825
48200_8200	48200	8200	-2.96	21.094	0.308	2.815	0.264	204.003
48200_8201	48200	8201	2.96	-1.978	-0.308	-2.815	-3.878	-68.454
48201_8201	48201	8201	-2.96	1.978	0.306	2.738	3.878	68.695

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48201_8202	48201	8202	2.96	20.421	-0.306	-2.738	-7.936	-190.878
48202_8202	48202	8202	-2.918	20.342	-4.348	1.772	7.936	191.036
48202_8203	48202	8203	2.918	0.789	4.348	-1.772	46.415	-68.829
48203_8203	48203	8203	-2.918	-0.789	-4.348	1.772	-46.415	68.829
48203_8204	48203	8204	2.918	21.92	4.348	-1.772	100.766	-210.762
48204_8204	48204	8204	-3.016	22.41	3.864	0.987	-100.766	210.826
48204_8205	48204	8205	3.016	-6.35	-3.864	-0.987	64.056	-74.216
48205_8205	48205	8205	-3.014	6.35	3.866	1.004	-64.056	74.206
48205_8206	48205	8206	3.014	6.751	-3.866	-1.004	34.096	-75.759
48206_8206	48206	8206	-3.014	-6.751	3.866	1.004	-34.096	75.759
48206_8207	48206	8207	3.014	19.852	-3.866	-1.004	4.135	-178.847
48207_8207	48207	8207	-2.988	20.904	0.291	0.539	-4.135	179.002
48207_8208	48207	8208	2.988	-7.38	-0.291	-0.539	1.805	-65.867
48208_8208	48208	8208	-2.988	7.38	0.291	0.539	-1.805	65.867
48208_8209	48208	8209	2.988	6.144	-0.291	-0.539	-0.526	-60.923
48209_8209	48209	8209	-2.988	-6.144	0.291	0.539	0.526	60.923
48209_8210	48209	8210	2.988	19.668	-0.291	-0.539	-2.856	-164.168
48210_8210	48210	8210	-2.981	20.424	0.662	0.631	2.856	164.356
48210_8211	48210	8211	2.981	-10.281	-0.662	-0.631	-6.826	-72.243
48211_8211	48211	8211	-2.981	10.281	0.662	0.631	6.826	72.243
48211_8212	48211	8212	2.981	-0.138	-0.662	-0.631	-10.796	-40.987
48212_8212	48212	8212	-2.98	0.138	0.667	0.699	10.796	40.986
48212_8213	48212	8213	2.98	10.005	-0.667	-0.699	-14.796	-70.587
48213_8213	48213	8213	-2.981	-10.005	0.662	0.582	14.796	70.588
48213_8214	48213	8214	2.981	20.148	-0.662	-0.582	-18.766	-161.046
48214_8214	48214	8214	-2.963	20.079	1.135	0.858	18.766	161.239
48214_8215	48214	8215	2.963	-6.555	-1.135	-0.858	-27.844	-54.705
48215_8215	48215	8215	-2.963	6.555	1.135	0.858	27.844	54.705
48215_8216	48215	8216	2.963	6.969	-1.135	-0.858	-36.921	-56.364
48216_8216	48216	8216	-2.963	-6.969	1.135	0.858	36.921	56.364
48216_8217	48216	8217	2.963	20.493	-1.135	-0.858	-45.999	-166.218
48217_8217	48217	8217	-2.965	19.487	-3.654	0.865	45.999	166.205
48217_8218	48217	8218	2.965	-6.386	3.654	-0.865	-17.677	-65.946
48218_8218	48218	8218	-2.965	6.386	-3.654	0.865	17.677	65.946
48218_8219	48218	8219	2.965	6.716	3.654	-0.865	10.646	-67.226
48219_8219	48219	8219	-2.965	-6.716	-3.655	0.862	-10.646	67.224
48219_8220	48219	8220	2.965	22.776	3.655	-0.862	45.368	-207.31
48220_8220	48220	8220	-2.874	22.665	4.491	0.077	-45.368	207.35
48220_8221	48220	8221	2.874	-1.544	-4.491	-0.077	-10.748	-56.111
48221_8221	48221	8221	-2.874	1.544	4.491	0.076	10.748	56.111
48221_8222	48221	8222	2.874	19.593	-4.491	-0.076	-66.907	-168.953
48222_8222	48222	8222	-3.005	17.324	-2.069	-0.523	66.907	168.95
48222_8223	48222	8223	3.005	5.082	2.069	0.523	-39.48	-87.819
48223_8223	48223	8223	-3.004	-5.082	-2.07	0.086	39.48	86.368
48223_8224	48223	8224	3.004	25.774	2.07	-0.086	-15.176	-267.553
48224_8224	48224	8224	-2.96	21.291	0.292	-1.636	15.176	267.48
48224_8225	48224	8225	2.96	-6.762	-0.292	1.636	-17.58	-151.818
48225_8225	48225	8225	-2.959	6.762	0.295	-1.47	17.58	151.807
48225_8226	48225	8226	2.959	19.193	-0.295	1.47	-21.924	-243.369
48226_8226	48226	8226	-2.978	21.503	-1.191	-0.847	21.924	243.307
48226_8227	48226	8227	2.978	-1.261	1.191	0.847	-8.236	-112.546
48227_8227	48227	8227	-2.985	1.261	-1.173	-0.162	8.236	112.549
48227_8228	48227	8228	2.985	18.987	1.173	0.162	5.246	-214.395

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48228_8228	48228	8228	-2.969	20.505	2.957	0.221	-5.246	214.535
48228_8229	48228	8229	2.969	-0.251	-2.957	-0.221	-28.743	-95.245
48229_8229	48229	8229	-2.967	0.251	2.96	0.308	28.743	95.244
48229_8230	48229	8230	2.967	19.985	-2.96	-0.308	-62.736	-208.568
48230_8230	48230	8230	-2.968	21.456	2.793	0.626	62.736	208.592
48230_8231	48230	8231	2.968	-0.162	-2.793	-0.626	-96.49	-77.961
48231_8231	48231	8231	-2.944	0.162	2.818	1.274	96.49	77.953
48231_8232	48231	8232	2.944	21.124	-2.818	-1.274	-130.528	-204.574
48232_8232	48232	8232	-2.779	20.808	-18.527	3.539	130.528	204.693
48232_8233	48232	8233	2.779	2.885	18.527	-3.539	118.606	-84.192
48233_8233	48233	8233	-2.773	-2.885	-18.528	3.511	-118.606	84.193
48233_8234	48233	8234	2.773	20.257	18.528	-3.511	301.284	-198.281
48234_8234	48234	8234	-1.085	19.564	18.448	-0.812	-301.284	197.519
48234_8235	48234	8235	1.085	-1.802	-18.448	0.812	115.319	-89.832
48235_8235	48235	8235	-0.845	1.802	18.461	0.288	-115.319	89.792
48235_8236	48235	8236	0.845	15.833	-18.461	-0.288	-58.537	-155.859
48236_8236	48236	8236	-0.365	16.354	2.032	0.64	58.537	155.768
48236_8237	48236	8237	0.365	0.793	-2.032	-0.64	-77.141	-84.52
48237_8237	48237	8237	-0.383	-0.793	2.028	-0.098	77.141	84.523
48237_8238	48237	8238	0.383	20.143	-2.028	0.098	-98.102	-192.694
48238_8238	48238	8238	-0.012	23.141	-5.116	0.308	98.102	192.565
48238_8239	48238	8239	0.012	6.62	5.116	-0.308	-16.793	-61.281
48239_8239	48239	8239	-0.016	-6.62	-5.116	0.355	16.793	61.281
48239_8240	48239	8240	0.016	22.723	5.116	-0.355	27.2	-187.448
48240_8240	48240	8240	-0.351	20.963	2.537	-0.424	-27.2	187.403
48240_8241	48240	8241	0.351	-1.691	-2.537	0.424	1.087	-70.825
48241_8241	48241	8241	-0.352	1.691	2.537	-0.453	-1.087	70.824
48241_8242	48241	8242	0.352	15.795	-2.537	0.453	-22.604	-136.678
48242_8242	48242	8242	-0.243	17.631	-0.018	0.301	22.604	136.531
48242_8243	48242	8243	0.243	1.906	0.018	-0.301	-22.415	-54.497
48243_8243	48243	8243	-0.243	-1.906	-0.018	0.262	22.415	54.497
48243_8244	48243	8244	0.243	19.11	0.018	-0.262	-22.247	-151.04
48244_8244	48244	8244	-0.267	19.014	0.707	0.243	22.247	151.007
48244_8245	48244	8245	0.267	-1.331	-0.707	-0.243	-28.922	-54.951
48245_8245	48245	8245	-0.261	1.331	0.709	0.733	28.922	54.946
48245_8246	48245	8246	0.261	17.723	-0.709	-0.733	-36.139	-138.345
48246_8246	48246	8246	-0.276	15.876	1.076	0.569	36.139	138.514
48246_8247	48246	8247	0.276	2.746	-1.076	-0.569	-46.839	-73.225
48247_8247	48247	8247	-0.276	-2.746	1.076	0.549	46.839	73.225
48247_8248	48247	8248	0.276	20.877	-1.076	-0.549	-57.256	-187.592
48248_8248	48248	8248	-0.136	22.424	-4.672	0.1	57.256	187.665
48248_8249	48248	8249	0.136	0.056	4.672	-0.1	-1.173	-53.397
48249_8249	48249	8249	-0.192	-0.056	-4.67	0.741	1.173	53.392
48249_8250	48249	8250	0.192	23.453	4.67	-0.741	57.17	-200.259
48250_8250	48250	8250	-0.293	22.071	3.422	-0.558	-57.17	200.289
48250_8251	48250	8251	0.293	-1.272	-3.422	0.558	19.162	-70.647
48251_8251	48251	8251	-0.29	1.272	3.422	-0.491	-19.162	70.647
48251_8252	48251	8252	0.29	18.417	-3.422	0.491	-16.819	-160.787
48252_8252	48252	8252	-0.275	18.692	1.088	-1.064	16.819	160.73
48252_8253	48252	8253	0.275	3.975	-1.088	1.064	-29.988	-71.654
48253_8253	48253	8253	-0.269	-3.975	1.089	-0.722	29.988	71.658
48253_8254	48253	8254	0.269	21.806	-1.089	0.722	-40.359	-194.4
48254_8254	48254	8254	-0.269	18.994	-1.187	-3.832	40.359	194.202

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48254_8255	48254	8255	0.269	4.394	1.187	3.832	-26.311	-107.808
48255_8255	48255	8255	-0.268	-4.394	-1.187	-3.915	26.311	107.805
48255_8256	48255	8256	0.268	29.415	1.187	3.915	-11.28	-321.826
48256_8256	48256	8256	-0.271	23.319	-2.079	-3.773	11.28	321.839
48256_8257	48256	8257	0.271	-0.274	2.079	3.773	12.959	-184.279
48257_8257	48257	8257	-0.287	0.274	-2.077	-2.399	-12.959	184.302
48257_8258	48257	8258	0.287	22.255	2.077	2.399	36.633	-309.593
48258_8258	48258	8258	-0.299	20.95	-2.17	-2.43	-36.633	309.488
48258_8259	48258	8259	0.299	2.256	2.17	2.43	62.111	-199.73
48259_8259	48259	8259	-0.3	-2.256	-2.17	-2.386	-62.111	199.73
48259_8260	48259	8260	0.3	24.603	2.17	2.386	86.646	-351.593
48260_8260	48260	8260	-0.365	21.361	-6.308	-2.842	-86.646	351.767
48260_8261	48260	8261	0.365	-3.429	6.308	2.842	143.879	-239.298
48261_8261	48261	8261	-0.44	3.429	-6.303	0.025	-143.879	239.315
48261_8262	48261	8262	0.44	24.217	6.303	-0.025	232.05	-384.721
48262_8262	48262	8262	-0.109	25.37	5.403	-1.49	-232.05	384.538
48262_8263	48262	8263	0.109	-0.225	-5.403	1.49	163.308	-221.712
48263_8263	48263	8263	-0.114	0.225	5.403	-1.672	-163.308	221.71
48263_8264	48263	8264	0.114	21.717	-5.403	1.672	103.325	-341.016
48264_8264	48264	8264	-0.384	26.193	-6.593	1.797	-103.325	341.059
48264_8265	48264	8265	0.384	-2.32	6.593	-1.797	182.974	-168.836
48265_8265	48265	8265	-0.383	2.32	-6.593	1.772	-182.974	168.837
48265_8266	48265	8266	0.383	22.876	6.593	-1.772	267.035	-299.872
48266_8266	48266	8266	0.25	23.061	10.492	0.518	-267.035	299.859
48266_8267	48266	8267	-0.25	-2.352	-10.492	-0.518	157.091	-166.71
48267_8267	48267	8267	0.237	2.352	10.492	0.309	-157.091	166.711
48267_8268	48267	8268	-0.237	14.244	-10.492	-0.309	68.981	-216.641
48268_8268	48268	8268	0.015	21.291	1.233	0.071	-68.981	216.69
48268_8269	48268	8269	-0.015	4.235	-1.233	-0.071	53.299	-108.264
48269_8269	48269	8269	0.026	-4.235	1.233	0.961	-53.299	108.259
48269_8270	48269	8270	-0.026	25.204	-1.233	-0.961	40.418	-261.992
48270_8270	48270	8270	0.032	34.87	1.702	0.638	-40.418	261.902
48270_8271	48270	8271	-0.032	-11.392	-1.702	-0.638	20.521	8.588
48271_8271	48271	8271	0.033	11.392	1.702	0.635	-20.521	-8.588
48271_8272	48271	8272	-0.033	12.823	-1.702	-0.635	0	-0.04
48372_8372	48372	8372	32.487	10.498	-0.2	-0.018	0.14	-43.386
48372_8373	48372	8373	-32.487	8.025	0.2	0.018	2.337	58.717
48373_8373	48373	8373	60.552	-8.025	-0.202	0.015	-2.055	-95.979
48373_8374	48373	8374	-60.552	25.053	0.202	-0.015	4.359	-92.5
48374_8374	48374	8374	72.639	15.403	0.103	0.001	-3.887	76.49
48374_8375	48374	8375	-72.639	0.286	-0.103	-0.001	2.805	2.877
48375_8375	48375	8375	69.944	-0.286	0.089	0.002	-2.108	0.873
48375_8376	48375	8376	-69.944	14.635	-0.089	-0.002	1.25	-72.523
48376_8376	48376	8376	68.652	18.275	0.168	0.213	-0.851	74.807
48376_8377	48376	8377	-68.652	-1.018	-0.168	-0.213	-1.085	36.606
48377_8377	48377	8377	68.663	1.018	0.115	-0.216	1.452	-36.647
48377_8378	48377	8378	-68.663	17.215	-0.115	0.216	-2.86	-62.178
48378_8378	48378	8378	68.467	16.629	-0.193	0.004	3.351	62.434
48378_8379	48378	8379	-68.467	1.886	0.193	-0.004	-0.964	28.91
48379_8379	48379	8379	68.221	-1.886	-0.196	0.011	1.264	-28.373
48379_8380	48379	8380	-68.221	18.628	0.196	-0.011	0.932	-86.558
48380_8380	48380	8380	66.812	17.672	0.003	0.042	-0.702	87.663
48380_8381	48380	8381	-66.812	-2.134	-0.003	-0.042	0.672	15.319

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48381_8381	48381	8381	64.338	2.134	-0.032	-0.014	-0.348	-12.142
48381_8382	48381	8382	-64.338	12.614	0.032	0.014	0.668	-39.576
48382_8382	48382	8382	61.557	16.952	-0.025	0.041	-0.349	43.308
48382_8383	48382	8383	-61.557	-0.279	0.025	-0.041	0.633	52.833
48383_8383	48383	8383	58.429	0.277	-0.028	0.003	-0.472	-48.729
48383_8384	48383	8384	-58.429	16.936	0.028	-0.003	0.789	-47.227
48384_8384	48384	8384	67.912	17.323	-0.049	-0.001	0.115	30.034
48384_8385	48384	8385	-67.912	-0.799	0.049	0.001	0.436	71.007
48385_8385	48385	8385	57.535	0.799	-0.045	0.06	0.214	-56.461
48385_8386	48385	8386	-57.535	15.736	0.045	-0.06	0.287	-26.884
48386_8386	48386	8386	53.053	17.802	-0.016	0.256	0.145	32.816
48386_8387	48386	8387	-53.053	-1.385	0.016	-0.256	0.03	73.479
48387_8387	48387	8387	54.571	1.385	-0.028	-0.169	0.298	-75.743
48387_8388	48387	8388	-54.571	17.393	0.028	0.169	0.051	-25.692
48388_8388	48388	8388	56.021	17.628	-0.043	0.005	0.427	24.132
48388_8389	48388	8389	-56.021	0.266	0.043	-0.005	0.098	80.695
48389_8389	48389	8389	57.28	-0.266	-0.044	0.047	0.436	-82.543
48389_8390	48389	8390	-57.28	17.578	0.044	-0.047	0.082	-21.695
48390_8390	48390	8390	58.709	17.321	-0.042	0.24	0.466	19.79
48390_8391	48390	8391	-58.709	1.521	0.042	-0.24	0.065	80.668
48391_8391	48391	8391	60.225	-1.521	-0.081	-0.238	0.675	-82.81
48391_8392	48391	8392	-60.225	17.884	0.081	0.238	0.216	-24.339
48392_8392	48392	8392	61.8	17.154	-0.07	-0.012	0.7	21.842
48392_8393	48392	8393	-61.8	-0.284	0.07	0.012	0.101	77.423
48393_8393	48393	8393	63.617	0.284	-0.057	0.026	0.771	-79.899
48393_8394	48393	8394	-63.617	18.038	0.057	-0.026	-0.066	-29.866
48394_8394	48394	8394	65.768	16.541	-0.087	0.239	0.834	26.603
48394_8395	48394	8395	-65.768	1.074	0.087	-0.239	0.206	65.329
48395_8395	48395	8395	68.175	-1.074	-0.121	-0.249	0.697	-68.522
48395_8396	48395	8396	-68.175	18.635	0.121	0.249	0.739	-48.261
48396_8396	48396	8396	67.557	18.687	0.037	-0.039	0.234	49.55
48396_8397	48396	8397	-67.557	-0.925	-0.037	0.039	-0.678	67.99
48397_8397	48397	8397	63.851	0.925	0.038	0.009	1.514	-63.111
48397_8398	48397	8398	-63.851	16.495	-0.038	-0.009	-1.959	-28.41
48398_8398	48398	8398	40.618	18.591	-0.533	0.002	3.857	59.208
48398_8399	48398	8399	-40.618	-3.733	0.533	-0.002	1.486	52.718
48572_8572	48572	8572	-0.008	9.127	-0.256	0.593	0	0.001
48572_8573	48572	8573	0.008	9.401	0.256	-0.593	3.172	-1.7
48573_8573	48573	8573	-0.008	-9.401	-0.256	0.593	-3.172	1.7
48573_8574	48573	8574	0.008	26.315	0.256	-0.593	6.067	-203.85
48574_8574	48574	8574	0.023	16.189	0.573	0.343	-6.067	203.813
48574_8575	48574	8575	-0.023	-0.785	-0.573	-0.343	0.158	-116.312
48575_8575	48575	8575	0.024	0.785	0.573	0.461	-0.158	116.311
48575_8576	48575	8576	-0.024	13.404	-0.573	-0.461	-5.284	-176.225
48576_8576	48576	8576	-0.036	17.672	1.186	-0.246	5.284	175.862
48576_8577	48576	8577	0.036	-0.348	-1.186	0.246	-19.039	-71.398
48577_8577	48577	8577	-0.021	0.348	1.187	0.622	19.039	71.395
48577_8578	48577	8578	0.021	18.135	-1.187	-0.622	-33.718	-181.407
48578_8578	48578	8578	-0.104	17.555	-1.41	-0.609	33.718	181.514
48578_8579	48578	8579	0.104	0.556	1.41	0.609	-16.631	-78.49
48579_8579	48579	8579	-0.104	-0.556	-1.41	-0.658	16.631	78.49
48579_8580	48579	8580	0.104	17.58	1.41	0.658	-0.57	-181.808
48580_8580	48580	8580	-0.006	17.293	0.428	-1.022	0.57	182.664

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
48580_8581	48580	8581	0.006	-2.056	-0.428	1.022	-4.93	-84.012
48581_8581	48581	8581	-0.003	2.056	0.428	-0.442	4.93	84.017
48581_8582	48581	8582	0.003	12.912	-0.428	0.442	-9.214	-138.392
48582_8582	48582	8582	-0.028	16.952	-0.606	-0.82	9.214	138.298
48582_8583	48582	8583	0.028	-0.743	0.606	0.82	-2.638	-42.322
48583_8583	48583	8583	-0.028	0.743	-0.606	-0.84	2.638	42.322
48583_8584	48583	8584	0.028	16.767	0.606	0.84	4.467	-136.215
48584_8584	48584	8584	-0.037	17.72	-1.085	-0.65	-4.467	136.177
48584_8585	48584	8585	0.037	-0.949	1.085	0.65	16.742	-30.523
48585_8585	48585	8585	-0.038	0.949	-1.084	-0.624	-16.742	30.524
48585_8586	48585	8586	0.038	15.233	1.084	0.624	28.585	-108.523
48586_8586	48586	8586	-0.008	17.471	0.658	0.031	-28.585	108.593
48586_8587	48586	8587	0.008	-1.262	-0.658	-0.031	21.391	-6.132
48587_8587	48587	8587	-0.004	1.262	0.658	0.075	-21.391	6.131
48587_8588	48587	8588	0.004	17.631	-0.658	-0.075	13.004	-110.483
48588_8588	48588	8588	-0.018	17.522	0.098	0.748	-13.004	109.541
48588_8589	48588	8589	0.018	0.196	-0.098	-0.748	11.838	-5.957
48589_8589	48589	8589	-0.018	-0.196	0.097	0.746	-11.838	5.957
48589_8590	48589	8590	0.018	17.561	-0.097	-0.746	10.696	-110.007
48590_8590	48590	8590	-0.011	17.164	0.43	1.433	-10.696	110.039
48590_8591	48590	8591	0.011	1.563	-0.43	-1.433	5.265	-11.454
48591_8591	48591	8591	-0.008	-1.563	0.43	1.512	-5.265	11.443
48591_8592	48591	8592	0.008	17.92	-0.43	-1.512	0.522	-118.975
48592_8592	48592	8592	-0.006	17.152	0.517	2.202	-0.522	119.489
48592_8593	48592	8593	0.006	-0.523	-0.517	-2.202	-5.282	-20.31
48593_8593	48593	8593	-0.006	0.523	0.517	2.202	5.282	20.31
48593_8594	48593	8594	0.006	17.929	-0.517	-2.202	-11.721	-128.684
48594_8594	48594	8594	-0.013	16.047	-0.122	2.699	11.721	129.218
48594_8595	48594	8595	0.013	1.576	0.122	-2.699	-10.269	-43.167
48595_8595	48595	8595	-0.014	-1.576	-0.122	3.035	10.269	43.144
48595_8596	48595	8596	0.014	19.036	0.122	-3.035	-8.831	-164.584
48596_8596	48596	8596	-0.027	19.436	-0.308	3.263	8.831	164.245
48596_8597	48596	8597	0.027	-1.714	0.308	-3.263	-5.147	-37.765
48597_8597	48597	8597	-0.027	1.714	-0.308	3.251	5.147	37.766
48597_8598	48597	8598	0.027	15.639	0.308	-3.251	-1.54	-119.302
48598_8598	48598	8598	0.041	22.674	-0.231	3.758	1.54	119.288
48598_8599	48598	8599	-0.041	-12.791	0.231	-3.758	0	-1.027
49000_9000	49000	9000	-5.798	394.255	9.114	3.745	0	-36.374
49000_9001	49000	9001	5.798	-366.276	-9.114	-3.745	-75.646	3192.596
49001_9001	49001	9001	-5.786	366.276	9.122	-0.714	75.646	-3192.6
49001_9002	49001	9002	5.786	-336.294	-9.122	0.714	-156.777	6316.952
49002_9002	49002	9002	-5.778	322.657	-7.676	8.43	156.777	-6316.95
49002_9003	49002	9003	5.778	-281.925	7.676	-8.43	-64.021	9969.586
49003_9003	49003	9003	-5.791	281.925	-7.666	-9.033	64.021	-9969.59
49003_9004	49003	9004	5.791	-241.169	7.666	9.033	28.668	13131.79
49004_9004	49004	9004	-5.791	219.679	1.273	13.137	-28.668	-13131.8
49004_9005	49004	9005	5.791	-178.961	-1.273	-13.137	13.296	15539.41
49005_9005	49005	9005	-5.788	178.961	1.283	-14.069	-13.296	-15539.4
49005_9006	49005	9006	5.788	-138.218	-1.283	14.069	-2.207	17456.18
49006_9006	49006	9006	-5.788	116.66	0.325	7.488	2.207	-17456.2
49006_9007	49006	9007	5.788	-75.922	-0.325	-7.488	-6.13	18619.86
49007_9007	49007	9007	-5.787	75.922	0.329	-7.788	6.13	-18619.9
49007_9008	49007	9008	5.787	-35.188	-0.329	7.788	-10.111	19291.17

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49008_9008	49008	9008	-5.787	13.368	-0.232	-1.255	10.111	-19291.2
49008_9009	49008	9009	5.787	27.387	0.232	1.255	-7.311	19206.41
49009_9009	49009	9009	-5.787	-27.387	-0.232	0.783	7.311	-19206.4
49009_9010	49009	9010	5.787	68.107	0.232	-0.783	-4.506	18629.64
49010_9010	49010	9010	-5.787	-91.023	0.972	14.287	4.506	-18629.7
49010_9011	49010	9011	5.787	131.769	-0.972	-14.287	-16.249	17283.18
49011_9011	49011	9011	-5.785	-131.769	0.981	-14.087	16.249	-17283.2
49011_9012	49011	9012	5.785	172.506	-0.981	14.087	-28.104	15444.64
49012_9012	49012	9012	-5.785	-194.614	0.378	10.831	28.104	-15444.7
49012_9013	49012	9013	5.785	235.347	-0.378	-10.831	-32.674	12846.95
49013_9013	49013	9013	-5.784	-235.347	0.388	-10.272	32.674	-12846.9
49013_9014	49013	9014	5.784	276.071	-0.388	10.272	-37.357	9757.729
49014_9014	49014	9014	-5.783	-297.402	2.102	7.521	37.357	-9757.72
49014_9015	49014	9015	5.783	349.804	-2.102	-7.521	-70.04	4727.213
49015_9015	49015	9015	-1.87	-349.852	2.112	-1.901	70.012	-4730.86
49015_9016	49015	9016	1.572	376.08	-2.112	1.901	-87.433	1736.413
49016_9016	49016	9016	7.073	-396.871	-2.18	-1.46	87.435	-1736.1
49016_9017	49016	9017	-8.306	434.456	2.18	1.46	-61.791	-3151.95
49017_9017	49017	9017	20.369	-434.065	-2.167	4.163	62.143	3151.768
49017_9018	49017	9018	-23.112	479.095	2.167	-4.163	-33.358	-9211.54
49018_9018	49018	9018	38.403	-500.426	1.506	-11.57	32.124	9211.35
49018_9019	49018	9019	-42.353	544.72	-1.506	11.57	-51.056	-15764.3
49019_9019	49019	9019	57.288	-543.354	1.515	13.397	53.758	15764.29
49019_9020	49019	9020	-62.764	590.139	-1.515	-13.397	-72.894	-22894.9
49020_9020	49020	9020	-2259.74	183.227	-21.344	-4.077	458.222	4483.068
49020_9021	49020	9021	2259.738	-152.221	21.344	4.077	-255.398	-2889.24
49021_9021	49021	9021	-2259.78	152.221	-16.142	1.413	255.398	2851.462
49021_9022	49021	9022	2259.781	-129.073	16.142	-1.413	-130.478	-1762.99
49022_9022	49022	9022	-2259.76	129.073	-18.38	-0.334	130.478	1762.989
49022_9023	49022	9023	2259.764	-105.863	18.38	0.334	12.156	-851.432
49023_9023	49023	9023	-2259.82	86.848	-4.917	-0.483	-12.156	851.426
49023_9024	49023	9024	2259.82	-62.921	4.917	0.483	51.491	-252.376
49024_9024	49024	9024	-2259.82	62.921	-4.917	-0.483	-51.491	252.376
49024_9025	49024	9025	2259.82	-38.994	4.917	0.483	90.827	155.266
49025_9025	49025	9025	-2259.82	35.354	-2.109	-0.676	-90.827	-155.266
49025_9026	49025	9026	2259.824	-11.43	2.109	0.676	107.699	342.368
49026_9026	49026	9026	-2259.82	-5.099	-5.385	0.044	-107.699	-342.367
49026_9027	49026	9027	2259.82	23.035	5.385	-0.044	139.987	258.015
49027_9027	49027	9027	-2259.83	-23.035	-1.23	-0.43	-139.987	-258.015
49027_9028	49027	9028	2259.826	40.996	1.23	0.43	147.375	65.753
49028_9028	49028	9028	-2259.83	-40.996	-1.638	-0.418	-147.375	-65.753
49028_9029	49028	9029	2259.826	58.929	1.638	0.418	157.196	-233.79
49029_9029	49029	9029	-2259.83	-58.929	-1.23	-0.376	-157.196	233.79
49029_9030	49029	9030	2259.826	76.89	1.23	0.376	164.583	-641.605
49030_9030	49030	9030	-2259.83	-93.669	1.412	-1.218	-164.583	641.61
49030_9031	49030	9031	2259.828	117.583	-1.412	1.218	153.293	-1486.12
49031_9031	49031	9031	-2259.83	-117.583	1.412	-1.218	-153.293	1486.124
49031_9032	49031	9032	2259.828	141.497	-1.412	1.218	142.003	-2521.84
49032_9032	49032	9032	-2259.82	-141.497	4.52	2.25	-142.003	2521.838
49032_9033	49032	9033	2259.824	165.438	-4.52	-2.25	105.828	-3750.22
49033_9033	49033	9033	-2259.79	-184.11	13.158	-4.881	-105.828	3750.258
49033_9034	49033	9034	2259.79	207.297	-13.158	4.881	3.822	-5267.44
49034_9034	49034	9034	-2259.79	-207.297	13.158	-4.881	-3.822	5267.436

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49034_9035	49034	9035	2259.79	230.485	-13.158	4.881	-98.185	-6964.37
49035_9035	49035	9035	-2259.75	-230.485	18.552	11.127	98.185	7003.19
49035_9036	49035	9036	2259.752	261.481	-18.552	-11.127	-274.425	-9339.94
49036_9036	49036	9036	39.773	505.324	-1.221	-30.424	31.954	28988.68
49036_9037	49036	9037	-34.297	-458.567	1.221	30.424	-16.542	-22929.1
49037_9037	49037	9037	21.648	459.312	-1.175	25.533	10.736	22929.11
49037_9038	49037	9038	-17.697	-414.994	1.175	-25.533	4.048	-17444.6
49038_9038	49038	9038	4.994	395.648	1.291	-7.457	-1.337	17445.02
49038_9039	49038	9039	-2.251	-350.639	-1.291	7.457	-15.809	-12495.3
49039_9039	49039	9039	-7.936	350.671	1.326	12.667	15.032	12536.92
49039_9040	49039	9040	9.17	-313.026	-1.326	-12.667	-30.628	-8634.28
49040_9040	49040	9040	-15.729	289.539	-0.637	-3.146	30.994	8634.681
49040_9041	49040	9041	16.027	-263.38	0.637	3.146	-25.743	-6354.41
49041_9041	49041	9041	-18.803	263.079	-0.639	-3.849	25.715	6366.215
49041_9042	49041	9042	18.803	-219.326	0.639	3.849	-16.054	-2719.31
49042_9042	49042	9042	-18.804	198.753	-0.658	-2.395	16.054	2719.315
49042_9043	49042	9043	18.804	-164.366	0.658	2.395	-8.236	-561.862
49043_9043	49043	9043	-18.805	164.366	-0.644	-1.968	8.236	561.863
49043_9044	49043	9044	18.805	-130.012	0.644	1.968	-0.595	1185.567
49044_9044	49044	9044	-18.806	105.36	-0.111	0.48	0.595	-1185.56
49044_9045	49044	9045	18.806	-70.982	0.111	-0.48	0.727	2233.042
49045_9045	49045	9045	-18.806	70.982	-0.096	-1.392	-0.727	-2233.04
49045_9046	49045	9046	18.806	-36.606	0.096	1.392	1.862	2872.074
49046_9046	49046	9046	-18.806	15.427	0.043	2.372	-1.862	-2872.07
49046_9047	49046	9047	18.806	18.943	-0.043	-2.372	1.354	2851.193
49047_9047	49047	9047	-18.806	-18.943	0.059	-0.019	-1.354	-2851.19
49047_9048	49047	9048	18.806	53.311	-0.059	0.019	0.659	2422.132
49048_9048	49048	9048	-18.806	-74.305	0.113	3.11	-0.659	-2422.14
49048_9049	49048	9049	18.806	108.667	-0.113	-3.11	-0.682	1335.763
49049_9049	49049	9049	-18.806	-108.667	0.129	1.989	0.682	-1335.77
49049_9050	49049	9050	18.806	143.027	-0.129	-1.989	-2.211	-158.532
49050_9050	49050	9050	-18.805	-163.079	1.535	2.749	2.211	158.529
49050_9051	49050	9051	18.805	206.874	-1.535	-2.749	-25.449	-2958.01
49051_9051	49051	9051	-16.343	-207.192	1.553	5.443	25.498	2954.269
49051_9052	49051	9052	16.065	231.663	-1.553	-5.443	-38.309	-4764.38
49052_9052	49052	9052	-10.216	-252.636	-1.179	4.4	38.365	4764.263
49052_9053	49052	9053	9.063	287.779	1.179	-4.4	-24.507	-7940.35
49053_9053	49053	9053	-0.842	-288.052	-1.175	2.835	24.585	7932.39
49053_9054	49053	9054	-1.871	332.473	1.175	-2.835	-8.976	-12050.9
49054_9054	49054	9054	13.139	-352.898	0.014	-4.584	8.371	12050.58
49054_9055	49054	9055	-17.034	396.473	-0.014	4.584	-8.582	-16750.9
49055_9055	49055	9055	28.017	-395.915	0.029	8.462	10.009	16750.87
49055_9056	49055	9056	-33.394	441.743	-0.029	-8.462	-10.424	-22019.2
49056_9056	49056	9056	-1943.6	245.245	-14.438	-6.006	218.144	7049.063
49056_9057	49056	9057	1943.597	-214.586	14.438	6.006	-81.001	-4865.13
49057_9057	49057	9057	-1943.62	214.586	-10.93	2.788	81.001	4831.524
49057_9058	49057	9058	1943.619	-190.025	10.93	-2.788	3.736	-3263.16
49058_9058	49058	9058	-1943.63	190.025	-8.43	6.985	-3.736	3263.15
49058_9059	49058	9059	1943.632	-165.465	8.43	-6.985	69.084	-1885.32
49059_9059	49059	9059	-1943.65	147.657	-4.14	0.075	-69.084	1885.297
49059_9060	49059	9060	1943.647	-122.335	4.14	-0.075	102.174	-806.333
49060_9060	49060	9060	-1943.65	118.695	-1.536	1.156	-102.174	806.333
49060_9061	49060	9061	1943.651	-93.344	1.536	-1.156	114.462	42.012

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49061_9061	49061	9061	-1943.65	93.344	-1.536	1.156	-114.462	-42.012
49061_9062	49061	9062	1943.651	-67.992	1.536	-1.156	126.75	687.501
49062_9062	49062	9062	-1943.65	52.015	0.887	1.045	-126.75	-687.501
49062_9063	49062	9063	1943.649	-32.989	-0.887	-1.045	121.425	942.744
49063_9063	49063	9063	-1943.65	32.989	-2.579	2.726	-121.425	-942.74
49063_9064	49063	9064	1943.647	-13.992	2.579	-2.726	136.887	1083.592
49064_9064	49064	9064	-1943.65	13.992	3.888	-0.88	-136.887	-1083.6
49064_9065	49064	9065	1943.645	5.001	-3.888	0.88	113.577	1110.545
49065_9065	49065	9065	-1943.65	-5.001	0.887	0.836	-113.577	-1110.55
49065_9066	49065	9066	1943.649	24.027	-0.887	-0.836	108.252	1023.383
49066_9066	49066	9066	-1943.65	-39.936	2.529	1.482	-108.252	-1023.39
49066_9067	49066	9067	1943.648	65.28	-2.529	-1.482	88.024	602.544
49067_9067	49067	9067	-1943.64	-65.28	4.952	0.73	-88.024	-602.546
49067_9068	49067	9068	1943.643	90.622	-4.952	-0.73	48.41	-20.981
49068_9068	49068	9068	-1943.64	-90.622	4.952	0.73	-48.41	20.981
49068_9069	49068	9069	1943.643	115.965	-4.952	-0.73	8.795	-847.218
49069_9069	49069	9069	-1943.61	-133.409	12.43	-1.592	-8.795	847.232
49069_9070	49069	9070	1943.614	157.955	-12.43	1.592	-87.504	-1975.9
49070_9070	49070	9070	-1943.61	-157.955	12.598	-1.421	87.504	1975.901
49070_9071	49070	9071	1943.612	182.532	-12.598	1.421	-185.231	-3296.56
49071_9071	49071	9071	-1943.59	-182.532	16.047	4.579	185.231	3329.125
49071_9072	49071	9072	1943.587	213.196	-16.047	-4.579	-337.685	-5208.88
49072_9072	49072	9072	27.756	476.249	0.214	-11.437	35.713	19823.55
49072_9073	49072	9073	-22.379	-430.428	-0.214	11.437	-38.356	-14122.7
49073_9073	49073	9073	10.473	430.835	0.26	10.725	35.876	14122.66
49073_9074	49073	9074	-6.578	-387.241	-0.26	-10.725	-39.104	-8989.46
49074_9074	49074	9074	-5.322	369.918	0.878	1.111	40.013	8989.58
49074_9075	49074	9075	8.035	-325.523	-0.878	-1.111	-51.675	-4376.78
49075_9075	49075	9075	-17.795	325.09	0.94	6.904	51.521	4382.158
49075_9076	49075	9076	18.929	-290.502	-0.94	-6.904	-62.576	-763.809
49076_9076	49076	9076	-25.021	269.716	-1.346	-2.044	62.728	763.912
49076_9077	49076	9077	25.295	-245.651	1.346	2.044	-51.629	1360.646
49077_9077	49077	9077	-27.902	241.626	-1.336	-3.47	51.617	-1354.32
49077_9078	49077	9078	27.902	-199.625	1.336	3.47	-33.298	4379.965
49078_9078	49078	9078	-27.904	182.147	-0.686	1.502	33.298	-4379.97
49078_9079	49078	9079	27.904	-147.972	0.686	-1.502	-25.643	6221.761
49079_9079	49079	9079	-27.905	147.972	-0.66	-4.38	25.643	-6221.76
49079_9080	49079	9080	27.905	-113.768	0.66	4.38	-18.277	7683.289
49080_9080	49080	9080	-27.905	95.566	-0.098	-0.718	18.277	-7683.29
49080_9081	49080	9081	27.905	-61.366	0.098	0.718	-17.179	8559.489
49081_9081	49081	9081	-27.905	61.366	-0.098	-0.718	17.179	-8559.49
49081_9082	49081	9082	27.905	-27.166	0.098	0.718	-16.082	9053.789
49082_9082	49082	9082	-27.906	7.856	-0.284	3.576	16.082	-9053.78
49082_9083	49082	9083	27.906	28.917	0.284	-3.576	-12.674	8927.34
49083_9083	49083	9083	-27.906	-28.917	-0.262	-3.466	12.674	-8927.34
49083_9084	49083	9084	27.906	65.657	0.262	3.466	-9.533	8360.083
49084_9084	49084	9084	-27.906	-85.039	0.007	4.125	9.533	-8360.09
49084_9085	49084	9085	27.906	119.231	-0.007	-4.125	-9.615	7219.848
49085_9085	49085	9085	-27.906	-119.231	0.032	-2.334	9.615	-7219.85
49085_9086	49085	9086	27.906	153.421	-0.032	2.334	-9.977	5697.964
49086_9086	49086	9086	-27.906	-172.087	-0.335	3.149	9.977	-5697.96
49086_9087	49086	9087	27.906	206.307	0.335	-3.149	-6.231	3584.047
49087_9087	49087	9087	-27.906	-206.307	-0.312	0.098	6.231	-3584.05

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49087_9088	49087	9088	27.906	240.495	0.312	-0.098	-2.753	1090.316
49088_9088	49088	9088	-27.906	-258.046	1.013	1.463	2.753	-1090.32
49088_9089	49088	9089	27.906	298.424	-1.013	-1.463	-16.104	-2577.84
49089_9089	49089	9089	-24.479	-298.798	1.032	2.987	16.128	2567.059
49089_9090	49089	9090	24.192	324.025	-1.032	-2.987	-24.655	-5138.9
49090_9090	49090	9090	-16.435	-347.742	-0.288	-2.23	24.526	5138.77
49090_9091	49090	9091	15.248	383.896	0.288	2.23	-21.145	-9435.76
49091_9091	49091	9091	-4.459	-384.283	-0.255	5.978	21.615	9435.328
49091_9092	49091	9092	1.772	428.381	0.255	-5.978	-18.22	-14828.3
49092_9092	49092	9092	12.092	-448.84	-1.274	-22.956	15.828	14827.94
49092_9093	49092	9093	-15.951	492.122	1.274	22.956	0.127	-20730.6
49093_9093	49093	9093	29.529	-491.542	-1.208	26.438	4.994	20730.58
49093_9094	49093	9094	-34.86	537.077	1.208	-26.438	10.149	-27200.3
49094_9094	49094	9094	-2255.98	219.019	-10.425	-5.365	121.36	7764.212
49094_9095	49094	9095	2255.983	-188.591	10.425	5.365	-22.349	-5828.63
49095_9095	49095	9095	-2256	188.591	-6.891	3.567	22.349	5828.224
49095_9096	49095	9096	2255.997	-164.337	6.891	-3.567	31.091	-4459.67
49096_9096	49096	9096	-2256	164.337	-7	3.352	-31.091	4459.67
49096_9097	49096	9097	2255.996	-140.114	7	-3.352	85.306	-3280.62
49097_9097	49097	9097	-2256.03	122.197	1.957	-1.986	-85.306	3280.578
49097_9098	49097	9098	2256.025	-97.161	-1.957	1.986	69.637	-2402.57
49098_9098	49098	9098	-2256.02	97.161	4.675	0.908	-69.637	2402.572
49098_9099	49098	9099	2256.021	-72.157	-4.675	-0.908	32.259	-1725.73
49099_9099	49099	9099	-2256.02	72.157	4.774	0.983	-32.259	1725.73
49099_9100	49099	9100	2256.021	-47.123	-4.774	-0.983	-5.955	-1248.32
49100_9100	49100	9100	-2256.01	32.143	-0.637	-0.513	5.955	1248.312
49100_9101	49100	9101	2256.006	-13.368	0.637	0.513	-2.13	-1111.7
49101_9101	49101	9101	-2256.01	13.368	-0.763	-0.574	2.13	1111.7
49101_9102	49101	9102	2256.006	5.375	0.763	0.574	2.441	-1087.75
49102_9102	49102	9102	-2256.01	-5.375	-0.637	-0.514	-2.441	1087.747
49102_9103	49102	9103	2256.006	24.15	0.637	0.514	6.266	-1176.37
49103_9103	49103	9103	-2256	-24.15	3.119	1.445	-6.266	1176.371
49103_9104	49103	9104	2256.004	42.924	-3.119	-1.445	-12.457	-1377.69
49104_9104	49104	9104	-2256.02	-57.828	-5.589	-1.697	12.457	1377.699
49104_9105	49104	9105	2256.017	82.828	5.589	1.697	32.223	-1939.89
49105_9105	49105	9105	-2256.02	-82.828	-2.684	0.802	-32.223	1939.894
49105_9106	49105	9106	2256.023	107.858	2.684	-0.802	53.703	-2702.98
49106_9106	49106	9106	-2256.02	-107.858	-2.768	0.7	-53.703	2702.983
49106_9107	49106	9107	2256.022	132.858	2.768	-0.7	75.832	-3665.08
49107_9107	49107	9107	-2256	-150.462	6.288	-2.552	-75.832	3665.114
49107_9108	49107	9108	2256	174.709	-6.288	2.552	27.081	-4925.66
49108_9108	49108	9108	-2256	-174.709	6.288	-2.552	-27.081	4925.659
49108_9109	49108	9109	2256	198.956	-6.288	2.552	-21.67	-6374.2
49109_9109	49109	9109	-2255.99	-198.956	8.584	3.748	21.67	6374.657
49109_9110	49109	9110	2255.992	229.404	-8.584	-3.748	-103.251	-8410.13
49110_9110	49110	9110	18.761	526.281	0.916	-18.941	-0.937	27927.04
49110_9111	49110	9111	-13.429	-480.765	-0.916	18.941	-10.527	-21596.1
49111_9111	49111	9111	-0.122	477.278	0.984	15.646	6.87	21596.15
49111_9112	49111	9112	3.981	-433.985	-0.984	-15.646	-19.186	-15878.8
49112_9112	49112	9112	-17.23	414.812	0.459	-4.304	20.844	15879.12
49112_9113	49112	9113	19.917	-370.741	-0.459	4.304	-26.942	-10669.5
49113_9113	49113	9113	-30.836	369.947	0.513	7.134	26.483	10669.01
49113_9114	49113	9114	32.02	-333.849	-0.513	-7.134	-32.517	-6531.65

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49114_9114	49114	9114	-38.992	312.576	-0.748	-3.02	32.726	6531.867
49114_9115	49114	9115	39.278	-287.433	0.748	3.02	-26.551	-4056.22
49115_9115	49115	9115	-42.334	286.901	-0.741	-2.598	26.528	4074.547
49115_9116	49115	9116	42.334	-247.05	0.741	2.598	-16.372	-413.546
49116_9116	49116	9116	-42.335	228.876	-0.501	-0.354	16.372	413.549
49116_9117	49116	9117	42.335	-196.438	0.501	0.354	-10.776	1960.124
49117_9117	49117	9117	-42.335	196.438	-0.425	-3.895	10.776	-1960.12
49117_9118	49117	9118	42.335	-163.972	0.425	3.895	-6.03	3973.3
49118_9118	49118	9118	-42.335	145.476	-0.418	3.71	6.03	-3973.3
49118_9119	49118	9119	42.335	-113.039	0.418	-3.71	-1.36	5416.021
49119_9119	49119	9119	-42.336	113.039	-0.342	-6.068	1.36	-5416.02
49119_9120	49119	9120	42.336	-80.573	0.342	6.068	2.46	6497.466
49120_9120	49120	9120	-42.336	61.656	0.058	5.895	-2.46	-6497.48
49120_9121	49120	9121	42.336	-26.809	-0.058	-5.895	1.76	7027.88
49121_9121	49121	9121	-42.336	26.809	0.129	-5.899	-1.76	-7027.88
49121_9122	49121	9122	42.336	8.068	-0.129	5.899	0.207	7140.334
49122_9122	49122	9122	-42.336	-27.086	-0.237	10.153	-0.207	-7140.33
49122_9123	49122	9123	42.336	59.55	0.237	-10.153	2.855	6656.433
49123_9123	49123	9123	-42.336	-59.55	-0.123	-7.722	-2.855	-6656.44
49123_9124	49123	9124	42.336	92.013	0.123	7.722	4.233	5809.918
49124_9124	49124	9124	-42.336	-113.353	-0.372	6.187	-4.233	-5809.92
49124_9125	49124	9125	42.336	145.787	0.372	-6.187	8.388	4363.85
49125_9125	49125	9125	-42.337	-145.787	-0.296	-1.665	-8.388	-4363.85
49125_9126	49125	9126	42.337	178.25	0.296	1.665	11.695	2554.05
49126_9126	49126	9126	-42.335	-194.621	2.356	3.465	-11.695	-2554.05
49126_9127	49126	9127	42.335	233.535	-2.356	-3.465	-19.854	-312.533
49127_9127	49127	9127	-39.593	-234.073	2.415	3.103	19.878	299.723
49127_9128	49127	9128	39.327	257.5	-2.415	-3.103	-39.782	-2325.12
49128_9128	49128	9128	-33.082	-275.535	-2.96	1.535	39.765	2325.101
49128_9129	49128	9129	31.977	309.228	2.96	-1.535	-4.963	-5762.09
49129_9129	49129	9129	-23.218	-310.138	-2.872	9.447	5.509	5765.656
49129_9130	49129	9130	20.595	353.184	2.872	-9.447	32.635	-10166.8
49130_9130	49130	9130	-7.474	-391.61	4.164	-2.741	-33.592	10166.77
49130_9131	49130	9131	3.703	433.902	-4.164	2.741	-18.742	-15344.7
49131_9131	49131	9131	8.24	-433.885	4.198	8.968	20.088	15344.65
49131_9132	49131	9132	-13.455	478.47	-4.198	-8.968	-73.074	-21087.5
49132_9132	49132	9132	-1852.88	211.549	9.86	2.988	-161.185	6211.4
49132_9133	49132	9133	1852.876	-181.862	-9.86	-2.988	67.519	-4342.7
49133_9133	49133	9133	-1852.89	181.862	7.469	-4.109	-67.519	4352.067
49133_9134	49133	9134	1852.887	-159.356	-7.469	4.109	9.635	-3029.84
49134_9134	49134	9134	-1852.88	159.356	9.86	-0.2	-9.635	3029.846
49134_9135	49134	9135	1852.876	-136.85	-9.86	0.2	-66.777	-1882.05
49135_9135	49135	9135	-1852.89	117.789	0.012	-1.144	66.777	1882.044
49135_9136	49135	9136	1852.885	-94.557	-0.012	1.144	-66.872	-1032.66
49136_9136	49136	9136	-1852.88	94.557	2.328	0.146	66.872	1032.66
49136_9137	49136	9137	1852.884	-71.325	-2.328	-0.146	-85.495	-369.134
49137_9137	49137	9137	-1852.88	71.325	2.328	0.146	85.495	369.134
49137_9138	49137	9138	1852.884	-48.093	-2.328	-0.146	-104.119	108.536
49138_9138	49138	9138	-1852.88	31.466	-4.836	0.258	104.119	-108.535
49138_9139	49138	9139	1852.882	-14.042	4.836	-0.258	-75.1	245.058
49139_9139	49139	9139	-1852.89	14.042	-1.748	-0.151	75.1	-245.059
49139_9140	49139	9140	1852.888	3.382	1.748	0.151	-64.611	277.036
49140_9140	49140	9140	-1852.89	-3.382	-1.748	-0.151	64.611	-277.036

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49140_9141	49140	9141	1852.888	20.807	1.748	0.151	-54.121	204.47
49141_9141	49141	9141	-1852.88	-20.807	-4.836	0.19	54.121	-204.47
49141_9142	49141	9142	1852.882	38.231	4.836	-0.19	-25.103	27.358
49142_9142	49142	9142	-1852.89	-58.226	-1.438	0.351	25.103	-27.358
49142_9143	49142	9143	1852.888	81.458	1.438	-0.351	-13.601	-531.375
49143_9143	49143	9143	-1852.88	-81.458	-3.754	-0.313	13.601	531.375
49143_9144	49143	9144	1852.884	104.69	3.754	0.313	16.43	-1275.97
49144_9144	49144	9144	-1852.89	-104.69	-1.438	1.282	-16.43	1275.966
49144_9145	49144	9145	1852.888	127.922	1.438	-1.282	27.932	-2206.41
49145_9145	49145	9145	-1852.89	-144.285	-0.819	1.984	-27.932	2206.413
49145_9146	49145	9146	1852.887	166.791	0.819	-1.984	34.277	-3411.84
49146_9146	49146	9146	-1852.88	-166.791	-3.21	-2.419	-34.277	3411.834
49146_9147	49146	9147	1852.884	189.298	3.21	2.419	59.151	-4791.68
49147_9147	49147	9147	-1852.89	-189.298	-0.819	3.131	-59.151	4782.921
49147_9148	49147	9148	1852.887	218.984	0.819	-3.131	66.929	-6722.26
49148_9148	49148	9148	-8.429	436.791	2.339	-1.214	-38.542	21619.23
49148_9149	49148	9149	13.644	-392.241	-2.339	1.214	9.148	-16405.5
49149_9149	49149	9149	-24.449	391.696	2.339	-0.947	-9.175	16405.45
49149_9150	49149	9150	28.22	-349.404	-2.339	0.947	-20.151	-11757.4
49150_9150	49150	9150	-38.826	334.634	-1.371	-1.427	20.137	11757.43
49150_9151	49150	9151	41.449	-291.589	1.371	1.427	-1.938	-7602.72
49151_9151	49151	9151	-50.242	290.336	-1.422	-5.33	2.004	7615.585
49151_9152	49151	9152	51.361	-256.245	1.422	5.33	14.704	-4403.36
49152_9152	49152	9152	-56.629	236.682	0.685	-1.597	-14.801	4403.366
49152_9153	49152	9153	56.899	-212.947	-0.685	1.597	9.15	-2548.6
49153_9153	49153	9153	-59.104	212.24	0.642	-3.398	-9.169	2550.272
49153_9154	49153	9154	59.104	-173.684	-0.642	3.398	0.344	102.952
49154_9154	49154	9154	-59.104	155.848	-0.38	-1.03	-0.344	-102.953
49154_9155	49154	9155	59.104	-125.003	0.38	1.03	4.529	1647.639
49155_9155	49155	9155	-59.104	125.003	-0.327	-2.528	-4.529	-1647.64
49155_9156	49155	9156	59.104	-94.159	0.327	2.528	8.124	2853.029
49156_9156	49156	9156	-59.104	76.351	-0.012	1.019	-8.124	-2853.03
49156_9157	49156	9157	59.104	-48.31	0.012	-1.019	8.242	3476.333
49157_9157	49157	9157	-59.104	48.31	0.047	-2.458	-8.242	-3476.33
49157_9158	49157	9158	59.104	-20.269	-0.047	2.458	7.77	3819.227
49158_9158	49158	9158	-59.104	3.082	0.129	2.251	-7.77	-3819.23
49158_9159	49158	9159	59.104	24.959	-0.129	-2.251	6.484	3709.841
49159_9159	49159	9159	-59.104	-24.959	0.188	-1.459	-6.484	-3709.84
49159_9160	49159	9160	59.104	53	-0.188	1.459	4.606	3320.047
49160_9160	49160	9160	-59.104	-70.423	0.223	1.467	-4.606	-3320.05
49160_9161	49160	9161	59.104	101.239	-0.223	-1.467	2.151	2376.763
49161_9161	49161	9161	-59.104	-104.879	0.224	1.465	-2.151	-2376.76
49161_9162	49161	9162	59.104	135.724	-0.224	-1.465	-0.308	1053.441
49162_9162	49162	9162	-59.104	-151.718	1.207	3.03	0.308	-1053.44
49162_9163	49162	9163	59.104	190.274	-1.207	-3.03	-16.902	-1297.75
49163_9163	49163	9163	-56.841	-190.98	1.135	1.415	16.913	1296.577
49163_9164	49163	9164	56.572	214.715	-1.135	-1.415	-26.278	-2970.13
49164_9164	49164	9164	-51.261	-232.188	0.788	6.177	26.433	2970.128
49164_9165	49164	9165	50.143	266.279	-0.788	-6.177	-35.692	-5899.83
49165_9165	49165	9165	-42.561	-267.68	0.743	-1.567	35.461	5904.948
49165_9166	49165	9166	39.954	310.475	-0.743	1.567	-45.31	-9740.87
49166_9166	49166	9166	-29.755	-327.117	-2.182	-3.196	45.163	9740.866
49166_9167	49166	9167	26.005	369.172	2.182	3.196	-17.818	-14108.2

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49167_9167	49167	9167	-15.778	-369.778	-2.135	7.542	19.037	14108.18
49167_9168	49167	9168	10.59	414.09	2.135	-7.542	7.773	-19038.4
49168_9168	49168	9168	-1697.45	220.885	2.068	-1.786	-61.316	6246.37
49168_9169	49168	9169	1697.447	-191.379	-2.068	1.786	41.666	-4288.12
49169_9169	49169	9169	-1697.44	191.379	3.855	1.7	-41.666	4306.682
49169_9170	49169	9170	1697.444	-168.789	-3.855	-1.7	11.788	-2911.03
49170_9170	49170	9170	-1697.45	168.789	1.665	-2.056	-11.788	2911.032
49170_9171	49170	9171	1697.447	-146.199	-1.665	2.056	-1.115	-1690.45
49171_9171	49171	9171	-1697.44	128.744	1.435	0.316	1.115	1690.452
49171_9172	49171	9172	1697.444	-105.426	-1.435	-0.316	-12.599	-753.773
49172_9172	49172	9172	-1697.44	105.426	-0.686	-0.626	12.599	753.773
49172_9173	49172	9173	1697.444	-82.107	0.686	0.626	-7.108	-3.64
49173_9173	49173	9173	-1697.44	82.107	1.435	-0.622	7.108	3.64
49173_9174	49173	9174	1697.444	-58.789	-1.435	0.622	-18.592	559.945
49174_9174	49174	9174	-1697.44	41.992	0.93	-0.292	18.592	-559.945
49174_9175	49174	9175	1697.444	-24.503	-0.93	0.292	-24.173	759.431
49175_9175	49175	9175	-1697.44	24.503	-1.899	0.974	24.173	-759.43
49175_9176	49175	9176	1697.443	-7.014	1.899	-0.974	-12.779	853.984
49176_9176	49176	9176	-1697.44	7.014	0.93	-0.449	12.779	-853.984
49176_9177	49176	9177	1697.444	10.474	-0.93	0.449	-18.36	843.605
49177_9177	49177	9177	-1697.44	-10.474	0.93	-0.449	18.36	-843.605
49177_9178	49177	9178	1697.444	27.963	-0.93	0.449	-23.941	728.293
49178_9178	49178	9178	-1697.44	-44.736	-1.676	0.637	23.941	-728.293
49178_9179	49178	9179	1697.443	68.054	1.676	-0.637	-10.536	277.134
49179_9179	49179	9179	-1697.44	-68.054	0.446	0.291	10.536	-277.135
49179_9180	49179	9180	1697.444	91.372	-0.446	-0.291	-14.105	-360.569
49180_9180	49180	9180	-1697.44	-91.372	-1.676	-0.16	14.105	360.569
49180_9181	49180	9181	1697.443	114.691	1.676	0.16	-0.699	-1184.82
49181_9181	49181	9181	-1697.44	-131.755	-1.23	2.44	0.699	1184.82
49181_9182	49181	9182	1697.444	154.344	1.23	-2.44	8.835	-2293.45
49182_9182	49182	9182	-1697.44	-157.984	-1.23	2.44	-8.835	2293.452
49182_9183	49182	9183	1697.444	180.574	1.23	-2.44	18.37	-3605.36
49183_9183	49183	9183	-1697.44	-180.574	-3.017	-2.235	-18.37	3588.849
49183_9184	49183	9184	1697.442	210.08	3.017	2.235	47.031	-5444.46
49184_9184	49184	9184	-9.157	420.672	1.638	-6.834	-8.012	18126.92
49184_9185	49184	9185	14.345	-376.36	-1.638	6.834	-12.545	-13114.4
49185_9185	49185	9185	-24.718	375.78	1.684	3.299	11.394	13114.39
49185_9186	49185	9186	28.468	-333.725	-1.684	-3.299	-32.493	-8664.54
49186_9186	49186	9186	-38.706	317.942	-0.39	-0.93	32.841	8664.536
49186_9187	49186	9187	41.313	-275.148	0.39	0.93	-27.673	-4729.7
49187_9187	49187	9187	-49.745	273.722	-0.396	-4.243	27.699	4711.411
49187_9188	49187	9188	50.884	-239.013	0.396	4.243	-23.044	-1698.16
49188_9188	49188	9188	-55.77	218.319	-1.267	-3.229	22.98	1698.163
49188_9189	49188	9189	56.045	-194.15	1.267	3.229	-12.523	3.305
49189_9189	49189	9189	-58.023	193.458	-1.31	-3.098	12.489	-11.671
49189_9190	49189	9190	58.023	-152.777	1.31	3.098	5.519	2392.041
49190_9190	49190	9190	-58.024	134.346	-0.152	-3.744	-5.519	-2392.04
49190_9191	49190	9191	58.024	-101.801	0.152	3.744	7.192	3690.844
49191_9191	49191	9191	-58.024	101.801	-0.205	-0.389	-7.192	-3690.85
49191_9192	49191	9192	58.024	-69.256	0.205	0.389	9.446	4631.657
49192_9192	49192	9192	-58.024	50.545	-0.194	1.716	-9.446	-4631.66
49192_9193	49192	9193	58.024	-21.106	0.194	-1.716	11.381	4988.119
49193_9193	49193	9193	-58.024	21.106	-0.136	-3.297	-11.381	-4988.12

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49193_9194	49193	9194	58.024	8.332	0.136	3.297	12.736	5051.67
49194_9194	49194	9194	-58.024	-26.727	-0.252	3.051	-12.736	-5051.67
49194_9195	49194	9195	58.024	56.165	0.252	-3.051	15.247	4639.28
49195_9195	49195	9195	-58.024	-56.165	-0.194	-1.612	-15.247	-4639.28
49195_9196	49195	9196	58.024	85.574	0.194	1.612	17.175	3934.838
49196_9196	49196	9196	-58.028	-104.588	0.231	3.245	-17.175	-3934.83
49196_9197	49196	9197	58.028	137.133	-0.231	-3.245	14.637	2605.364
49197_9197	49197	9197	-58.027	-137.133	0.283	0.877	-14.637	-2605.37
49197_9198	49197	9198	58.027	169.678	-0.283	-0.877	11.519	917.908
49198_9198	49198	9198	-58.039	-191.568	1.72	2.894	-11.519	-917.897
49198_9199	49198	9199	58.039	232.278	-1.72	-2.894	-12.152	-1998.17
49199_9199	49199	9199	-55.236	-232.98	1.762	4.655	12.19	2015.581
49199_9200	49199	9200	54.946	257.99	-1.762	-4.655	-26.731	-4040.92
49200_9200	49200	9200	-48.483	-278.115	-1.736	6.095	26.831	4040.959
49200_9201	49200	9201	47.283	314.022	1.736	-6.095	-6.428	-7521.34
49201_9201	49201	9201	-38.264	-315.343	-1.73	1.49	6.374	7525.718
49201_9202	49201	9202	35.415	361.464	1.73	-1.49	16.609	-12016.7
49202_9202	49202	9202	-23.355	-381.842	0.34	8.414	-16.024	12016.66
49202_9203	49202	9203	19.278	427.036	-0.34	-8.414	11.711	-17091
49203_9203	49203	9203	-7.42	-427.441	0.294	-4.853	-13.095	17090.96
49203_9204	49203	9204	1.812	474.891	-0.294	4.853	9.333	-22767.5
49204_9204	49204	9204	-2030.36	239.194	-8.189	-3.935	121.786	7489.404
49204_9205	49204	9205	2030.357	-207.303	8.189	3.935	-43.994	-5368.54
49205_9205	49205	9205	-2030.36	207.303	-6.051	1.743	43.994	5132.579
49205_9206	49205	9206	2030.364	-182.767	6.051	-1.743	2.904	-3621.06
49206_9206	49206	9206	-2030.36	182.767	-6.051	1.743	-2.904	3621.059
49206_9207	49206	9207	2030.364	-158.232	6.051	-1.743	49.803	-2299.69
49207_9207	49207	9207	-2030.4	138.508	-2.23	-0.969	-49.803	2299.689
49207_9208	49207	9208	2030.396	-113.181	2.23	0.969	67.642	-1292.93
49208_9208	49208	9208	-2030.4	113.181	0.308	0.647	-67.642	1292.934
49208_9209	49208	9209	2030.397	-87.854	-0.308	-0.647	65.176	-488.794
49209_9209	49209	9209	-2030.4	87.854	2.846	1.258	-65.176	488.793
49209_9210	49209	9210	2030.395	-62.527	-2.846	-1.258	42.407	112.733
49210_9210	49210	9210	-2030.36	44.859	-4.525	1.655	-42.407	-112.734
49210_9211	49210	9211	2030.363	-25.864	4.525	-1.655	69.556	324.906
49211_9211	49211	9211	-2030.37	25.864	-1.141	1.114	-69.556	-324.908
49211_9212	49211	9212	2030.368	-6.869	1.141	-1.114	76.401	423.108
49212_9212	49212	9212	-2030.37	6.869	2.243	0.409	-76.401	-423.11
49212_9213	49212	9213	2030.367	12.127	-2.243	-0.409	62.943	407.336
49213_9213	49213	9213	-2030.36	-12.127	5.627	-0.27	-62.943	-407.336
49213_9214	49213	9214	2030.36	31.122	-5.627	0.27	29.182	277.584
49214_9214	49214	9214	-2030.43	-48.489	-6.761	-0.069	-29.182	-277.587
49214_9215	49214	9215	2030.425	73.785	6.761	0.069	83.204	-210.92
49215_9215	49215	9215	-2030.44	-73.785	-1.711	0.456	-83.204	210.92
49215_9216	49215	9216	2030.436	99.114	1.711	-0.456	96.892	-902.569
49216_9216	49216	9216	-2030.43	-99.114	3.364	2.712	-96.892	902.565
49216_9217	49216	9217	2030.434	124.443	-3.364	-2.712	69.975	-1796.89
49217_9217	49217	9217	-2030.4	-144.361	9.061	-7.383	-69.975	1797.03
49217_9218	49217	9218	2030.402	168.9	-9.061	7.383	-0.259	-3011.09
49218_9218	49218	9218	-2030.35	-168.9	16.918	4.269	0.259	3011.092
49218_9219	49218	9219	2030.351	193.44	-16.918	-4.269	-131.401	-4415.46
49219_9219	49219	9219	-2030.34	-197.08	17.745	7.959	131.401	4653.959
49219_9220	49219	9220	2030.344	228.979	-17.745	-7.959	-300.015	-6678.19

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49220_9220	49220	9220	14.098	467.013	-1.027	-25.948	11.914	21899.2
49220_9221	49220	9221	-8.49	-419.585	1.027	25.948	1.062	-16324.8
49221_9221	49221	9221	-3.159	419.623	-0.898	25.763	-6.584	16324.82
49221_9222	49221	9222	7.236	-374.411	0.898	-25.763	17.889	-11342
49222_9222	49222	9222	-19.129	350.69	3.688	-3.232	-15.239	11343.47
49222_9223	49222	9223	21.978	-304.58	-3.688	3.232	-33.724	-6996.75
49223_9223	49223	9223	-31.449	303.832	3.888	23.081	32.96	7009.943
49223_9224	49223	9224	32.67	-267.322	-3.888	-23.081	-78.657	-3653.86
49224_9224	49224	9224	-38.461	242.344	-2.144	-5.605	79.19	3654.949
49224_9225	49224	9225	38.755	-216.887	2.144	5.605	-61.491	-1759.14
49225_9225	49225	9225	-41.037	216.356	-2.006	-0.335	61.48	1750.476
49225_9226	49225	9226	41.037	-170.294	2.006	0.335	-32.432	1049.423
49226_9226	49226	9226	-41.002	150.076	0.262	3.063	32.432	-1049.56
49226_9227	49226	9227	41.002	-113.908	-0.262	-3.063	-35.406	2550.554
49227_9227	49227	9227	-41.001	113.908	0.37	-3.657	35.406	-2550.55
49227_9228	49227	9228	41.001	-77.735	-0.37	3.657	-39.609	3640.361
49228_9228	49228	9228	-41.009	59.388	-0.685	5.929	39.609	-3640.52
49228_9229	49228	9229	41.009	-23.24	0.685	-5.929	-31.824	4110.09
49229_9229	49229	9229	-41.011	23.24	-0.577	-4.903	31.824	-4110.09
49229_9230	49229	9230	41.011	12.914	0.577	4.903	-25.266	4168.778
49230_9230	49230	9230	-41.056	-31.915	8.168	7.626	25.266	-4168.6
49230_9231	49230	9231	41.056	70.211	-8.168	-7.626	-123.617	3553.75
49231_9231	49231	9231	-41.037	-70.211	8.263	-0.574	123.617	-3553.76
49231_9232	49231	9232	41.037	98.761	-8.263	0.574	-197.791	2795.337
49232_9232	49232	9232	-40.402	-99.02	8.417	-11.789	197.702	-2795.78
49232_9233	49232	9233	40.347	108.978	-8.417	11.789	-223.596	2475.824
49233_9233	49233	9233	-38.21	-131.431	-16.741	0.637	223.745	-2475.76
49233_9234	49233	9234	37.614	162.373	16.741	-0.637	-64.181	1075.614
49234_9234	49234	9234	-34.522	-163.14	-16.633	-3.193	64.023	-1075.62
49234_9235	49234	9235	33.61	187.298	16.633	3.193	58.902	-219.572
49235_9235	49235	9235	-30.752	-187.807	-16.511	-6.672	-59.208	211.153
49235_9236	49235	9236	29.486	211.607	16.511	6.672	162.101	-1456.12
49236_9236	49236	9236	-24.781	-232.091	24.59	-4.868	-162.178	1456.112
49236_9237	49236	9237	22.066	270.437	-24.59	4.868	-80.354	-3935.34
49237_9237	49237	9237	-15.974	-270.772	24.75	6.068	81.441	3925.497
49237_9238	49237	9238	12.503	308.511	-24.75	-6.068	-313.247	-6640.58
49238_9238	49238	9238	-2.416	-331.498	-16.464	-6.154	312.532	6639.876
49238_9239	49238	9239	-1.769	368.788	16.464	6.154	-164.671	-9788.15
49239_9239	49239	9239	6.878	-368.743	-16.383	11.321	167.093	9788.108
49239_9240	49239	9240	-8.991	385.478	16.383	-11.321	-102.589	-11275.3
49240_9240	49240	9240	-1545.68	288.907	7.607	0.97	600.548	3693.943
49240_9241	49240	9241	1545.68	-265.034	-7.607	-0.97	-648.708	-1940.34
49241_9241	49241	9241	-1543.94	222.918	-28.974	-1.736	648.708	1940.194
49241_9242	49241	9242	1543.935	-211	28.974	1.736	-557.13	-1254.45
49242_9242	49242	9242	-1543.99	211	-25.992	0.415	557.13	1259.12
49242_9243	49242	9243	1543.988	-165.047	25.992	-0.415	-236.025	1063.69
49243_9243	49243	9243	-1544.05	165.047	-21.905	-2.401	236.025	-1063.69
49243_9244	49243	9244	1544.052	-131.629	21.905	2.401	-39.232	2396.343
49244_9244	49244	9244	-1543.67	110.888	-28.314	6.891	39.232	-2395.67
49244_9245	49244	9245	1543.674	-72.008	28.314	-6.891	256.716	3351.518
49245_9245	49245	9245	-1543.75	72.008	-24.025	-2.422	-256.716	-3351.52
49245_9246	49245	9246	1543.747	-37.9	24.025	2.422	477.01	3855.427
49246_9246	49246	9246	-1544.15	22.355	-9.296	7.518	-477.01	-3854.67

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49246_9247	49246	9247	1544.15	16.883	9.296	-7.518	575.068	3883.529
49247_9247	49247	9247	-1544.17	-16.883	-4.146	-5.434	-575.068	-3883.53
49247_9248	49247	9248	1544.173	50.675	4.146	5.434	612.733	3576.661
49248_9248	49248	9248	-1544.23	-67.409	1.004	4.263	-612.733	-3576.18
49248_9249	49248	9249	1544.229	102.704	-1.004	-4.263	603.211	2769.1
49249_9249	49249	9249	-1544.22	-102.704	4.78	-2.51	-603.211	-2769.1
49249_9250	49249	9250	1544.222	140.402	-4.78	2.51	554.764	1537.218
49250_9250	49250	9250	-1544.33	-156.733	17.405	-0.427	-554.764	-1537.04
49250_9251	49250	9251	1544.333	193.473	-17.405	0.427	382.854	-192.458
49251_9251	49251	9251	-1544.29	-193.473	21.19	0.045	-382.854	192.458
49251_9252	49251	9252	1544.286	229.736	-21.19	-0.045	176.276	-2255.37
49252_9252	49252	9252	-1543.97	-257.197	5.495	-53.473	-176.276	2254.423
49252_9253	49252	9253	1543.972	268.949	-5.495	53.473	158.914	-3085.59
49253_9253	49253	9253	-1543.96	-268.949	8.366	-47.684	-158.914	3084.141
49253_9254	49253	9254	1543.959	304.772	-8.366	47.684	79.438	-5809.44
49254_9254	49254	9254	2.88	362.4	-22.093	58.006	99.395	13769.96
49254_9255	49254	9255	2.989	-312.493	22.093	-58.006	164.161	-9749.11
49255_9255	49255	9255	-14.884	271.06	19.022	-10.749	-155.621	9748.042
49255_9256	49255	9256	18.881	-228.004	-19.022	10.749	-47.612	-7083.83
49256_9256	49256	9256	-24.253	227.464	19.163	13.2	45.46	7083.833
49256_9257	49256	9257	27.224	-184.347	-19.163	-13.2	-256.458	-4817.94
49257_9257	49257	9257	-31.561	159.65	-8.882	-4.142	257.464	4817.881
49257_9258	49257	9258	32.519	-141.153	8.882	4.142	-214.79	-4095.38
49258_9258	49258	9258	-34.934	140.575	-8.816	-1.273	214.406	4098.319
49258_9259	49258	9259	36.095	-107.193	8.816	1.273	-125.298	-2846.42
49259_9259	49259	9259	-38.165	106.475	-8.71	4.003	125.093	2846.425
49259_9260	49259	9260	38.526	-84.405	8.71	-4.003	-66.496	-2204.4
49260_9260	49260	9260	-39.517	62.097	-2.231	-11.785	66.591	2349.139
49260_9261	49260	9261	39.577	-51.49	2.231	11.785	-59.525	-2169.29
49261_9261	49261	9261	-39.985	51.124	-2.104	-5.234	59.518	2192.493
49261_9262	49261	9262	39.985	-13.256	2.104	5.234	-35.398	-1823.55
49262_9262	49262	9262	-39.992	13.256	-1.978	0.517	35.398	1823.561
49262_9263	49262	9263	39.992	19.358	1.978	-0.517	-15.869	-1853.68
49263_9263	49263	9263	-39.979	-44.78	-0.207	-5.516	15.869	1853.828
49263_9264	49263	9264	39.979	83.585	0.207	5.516	-13.439	-2607.65
49264_9264	49264	9264	-39.979	-83.585	-0.135	-0.806	13.439	2607.658
49264_9265	49264	9265	39.979	120.965	0.135	0.806	-11.914	-3764.77
49265_9265	49265	9265	-39.978	-143.358	0.123	-7.528	11.914	3765.197
49265_9266	49265	9266	39.978	182.234	-0.123	7.528	-13.364	-5680.72
49266_9266	49266	9266	-39.978	-182.234	0.191	2.15	13.364	5680.72
49266_9267	49266	9267	39.978	219.549	-0.191	-2.15	-15.524	-7949.62
49267_9267	49267	9267	-39.948	-243.647	1.461	-14.971	15.524	7950.932
49267_9268	49267	9268	39.948	265.745	-1.461	14.971	-25.295	-9654.4
49268_9268	49268	9268	-39.948	-265.745	1.483	-9.544	25.295	9654.404
49268_9269	49268	9269	39.948	287.978	-1.483	9.544	-35.276	-11517.5
49269_9269	49269	9269	-36.669	-288.733	1.547	7.538	35.333	11482.59
49269_9270	49269	9270	36.239	322.916	-1.547	-7.538	-50.238	-14429.6
49270_9270	49270	9270	-29.095	-347.945	-2.901	-30.35	49.385	14432.61
49270_9271	49270	9271	27.814	385.056	2.901	30.35	-19.282	-18235.5
49271_9271	49271	9271	-20.368	-385.748	-2.83	1.422	20.168	18205.43
49271_9272	49271	9272	18.569	418.68	2.83	-1.422	2.922	-21485.8
49272_9272	49272	9272	-12.865	-419.107	-2.736	51.86	0.023	21485.78
49272_9273	49272	9273	11.407	440.241	2.736	-51.86	14.098	-23702.8

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49273_9273	49273	9273	-0.961	-468.933	2.231	-60.717	-21.838	23706.66
49273_9274	49273	9274	-3.434	519.03	-2.231	60.717	-4.866	-29600.1
49274_9274	49274	9274	17.64	-522.583	2.38	49.033	14.658	29600.14
49274_9275	49274	9275	-24.275	580.151	-2.38	-49.033	-46.061	-36840.1
49275_9275	49275	9275	-2713.47	351.522	-55.722	-12.901	1132.076	12462.99
49275_9276	49275	9276	2713.473	-332.309	55.722	12.901	-859.996	-10793.5
49276_9276	49276	9276	-2713.54	332.309	-52.595	-0.46	859.996	10793.5
49276_9277	49276	9277	2713.536	-314.131	52.595	0.46	-617.02	-9300.29
49277_9277	49277	9277	-2713.62	314.131	-48.163	11.629	617.02	9361.372
49277_9278	49277	9278	2713.618	-280.115	48.163	-11.629	-173.353	-6624.34
49278_9278	49278	9278	-2713.12	266.062	-25.417	-11.632	173.353	8044.682
49278_9279	49278	9279	2713.115	-224.421	25.417	11.632	114.071	-5271.43
49279_9279	49279	9279	-2713.2	224.421	-13.798	10.942	-114.071	5271.427
49279_9280	49279	9280	2713.199	-181.512	13.798	-10.942	274.857	-2906.34
49280_9280	49280	9280	-2713.75	155.342	-25.173	-2.923	-274.857	2906.904
49280_9281	49280	9281	2713.747	-112.225	25.173	2.923	569.61	-1340.42
49281_9281	49281	9281	-2713.83	112.225	-14.248	2.473	-569.61	1340.422
49281_9282	49281	9282	2713.826	-68.25	14.248	-2.473	739.762	-262.806
49282_9282	49282	9282	-2713.9	49.626	-8.487	1.646	-739.762	293.32
49282_9283	49282	9283	2713.898	-7.529	8.487	-1.646	845.057	61.228
49283_9283	49283	9283	-2713.91	7.529	4.499	1.353	-845.057	-61.235
49283_9284	49283	9284	2713.907	30.593	-4.499	-1.353	794.507	-68.332
49284_9284	49284	9284	-2712.66	-68.628	55.716	-1.135	-794.507	68.398
49284_9285	49284	9285	2712.662	102.991	-55.716	1.135	230.247	-937.424
49285_9285	49285	9285	-2712.49	-102.991	63.741	1.639	-230.247	937.424
49285_9286	49285	9286	2712.485	134.812	-63.741	-1.639	-367.54	-2052.52
49286_9286	49286	9286	-2712.41	-169.094	-11.314	-34.176	367.54	2052.614
49286_9287	49286	9287	2712.414	182.749	11.314	34.176	-322.007	-2760.6
49287_9287	49287	9287	-2712.41	-182.749	-12.861	-34.817	322.007	2535.999
49287_9288	49287	9288	2712.407	217.277	12.861	34.817	-199.851	-4435.76
49288_9288	49288	9288	35.422	820.051	-24.069	56.812	-43.156	23958.22
49288_9289	49288	9289	-30.628	-776.208	24.069	-56.812	301.235	-15402.2
49289_9289	49289	9289	1.487	674.029	19.684	-13.25	-293.163	15405.96
49289_9290	49289	9290	2.281	-627.173	-19.684	13.25	58.886	-7664.25
49290_9290	49290	9290	-21.102	626.824	19.816	8.001	-60.259	7664.243
49290_9291	49290	9291	23.321	-582.444	-19.816	-8.001	-169.579	-652.406
49291_9291	49291	9291	-36.767	539.938	-13.478	11.787	169.527	652.243
49291_9292	49291	9292	37.245	-524.279	13.478	-11.787	-113.612	1555.202
49292_9292	49292	9292	-46.195	523.573	-13.339	4.797	113.845	-1551.26
49292_9293	49292	9293	46.554	-496.792	13.339	-4.797	-6.977	5638.748
49293_9293	49293	9293	-53.047	496.149	-13.23	-6.787	7.041	-5638.75
49293_9294	49293	9294	53.054	-469.514	13.23	6.787	98.591	9493.741
49294_9294	49294	9294	-52.84	431.101	-0.448	42.744	-98.593	-9495.16
49294_9295	49294	9295	52.84	-417.732	0.448	-42.744	100.387	11196.14
49295_9295	49295	9295	-52.841	417.732	-0.27	5.324	-100.387	-11195
49295_9296	49295	9296	52.841	-379.145	0.27	-5.324	103.139	15253.56
49296_9296	49296	9296	-52.841	379.145	-0.147	-30.255	-103.139	-15253.5
49296_9297	49296	9297	52.841	-347.847	0.147	30.255	104.352	18256.77
49297_9297	49297	9297	-52.736	313.429	4.361	40.122	-104.352	-18272.5
49297_9298	49297	9298	52.736	-270.088	-4.361	-40.122	54.229	21625.55
49298_9298	49298	9298	-52.721	270.088	4.541	-33.44	-54.229	-21625.6
49298_9299	49298	9299	52.721	-229.813	-4.541	33.44	5.737	24294.92
49299_9299	49299	9299	-52.795	196.194	0.982	51.454	-5.737	-24298.5

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49299_9300	49299	9300	52.795	-155.463	-0.982	-51.454	-4.866	26197.5
49300_9300	49300	9300	-52.791	155.463	1.152	-33.174	4.866	-26197.5
49300_9301	49300	9301	52.791	-107.168	-1.152	33.174	-19.621	27879.17
49301_9301	49301	9301	-52.818	71.472	-0.105	60.469	19.621	-27882.8
49301_9302	49301	9302	52.818	-26.754	0.105	-60.469	-18.373	28465.16
49302_9302	49302	9302	-52.818	26.754	0.101	-50.558	18.373	-28465.2
49302_9303	49302	9303	52.818	17.58	-0.101	50.558	-19.556	28519.11
49303_9303	49303	9303	-52.803	-52.331	0.919	47.148	19.556	-28523.3
49303_9304	49303	9304	52.803	99.702	-0.919	-47.148	-31.102	27568.41
49304_9304	49304	9304	-52.8	-99.702	1.096	-45.269	31.102	-27568.4
49304_9305	49304	9305	52.8	141.348	-1.096	45.269	-43.207	26237.44
49305_9305	49305	9305	-52.808	-175.672	0.711	54.688	43.207	-26240.8
49305_9306	49305	9306	52.808	217.347	-0.711	-54.688	-51.066	24069.3
49306_9306	49306	9306	-52.805	-217.347	0.926	-43.298	51.066	-24069.3
49306_9307	49306	9307	52.805	264.686	-0.926	43.298	-62.692	21043.92
49307_9307	49307	9307	-52.816	-296.264	0.417	23.253	62.692	-21046.7
49307_9308	49307	9308	52.816	341.109	-0.417	-23.253	-67.655	17257.12
49308_9308	49308	9308	-52.815	-344.749	0.554	-21.317	67.655	-17257.1
49308_9309	49308	9309	52.815	388.882	-0.554	21.317	-74.136	12964.43
49309_9309	49309	9309	-53.051	-420.675	-11.097	11.414	74.136	-12966
49309_9310	49309	9310	53.051	465.718	11.097	-11.414	58.405	7672.468
49310_9310	49310	9310	-53.088	-465.718	-10.92	-14.202	-58.405	-7672.46
49310_9311	49310	9311	53.088	509.667	10.92	14.202	185.662	1988.995
49311_9311	49311	9311	-51.782	-537.619	55.969	-15.993	-185.662	-1989.05
49311_9312	49311	9312	51.782	550.129	-55.969	15.993	0	184.879

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1	2	3	4	5	6	7	8	9
49000_9000	49000	9000	-7.297	358.912	1.976	9.06	0	-41.591
49000_9001	49000	9001	7.297	-334.643	-1.976	-9.06	-16.403	2919.862
49001_9001	49001	9001	-7.294	334.643	1.986	4.982	16.403	-2919.87
49001_9002	49001	9002	7.294	-308.637	-1.986	-4.982	-34.072	5780.56
49002_9002	49002	9002	-7.292	292.405	-2.184	12.788	34.072	-5780.56
49002_9003	49002	9003	7.292	-257.075	2.184	-12.788	-7.686	9100.295
49003_9003	49003	9003	-7.296	257.075	-2.171	-3.153	7.686	-9100.3
49003_9004	49003	9004	7.296	-221.723	2.171	3.153	18.56	11994.73
49004_9004	49004	9004	-7.296	199.698	0.539	15.68	-18.56	-11994.7
49004_9005	49004	9005	7.296	-164.379	-0.539	-15.68	12.044	14193.6
49005_9005	49005	9005	-7.295	164.379	0.552	-9.169	-12.044	-14193.6
49005_9006	49005	9006	7.295	-129.039	-0.552	9.169	5.369	15966.79
49006_9006	49006	9006	-7.294	104.655	0.294	8.618	-5.369	-15966.8
49006_9007	49006	9007	7.294	-69.319	-0.294	-8.618	1.818	17018.04
49007_9007	49007	9007	-7.294	69.319	0.3	-5.343	-1.818	-17018
49007_9008	49007	9008	7.294	-33.987	-0.3	5.343	-1.805	17642.2
49008_9008	49008	9008	-7.294	9.054	-0.088	-1.212	1.805	-17642.2
49008_9009	49008	9009	7.294	26.296	0.088	1.212	-0.743	17537.96
49009_9009	49009	9009	-7.294	-26.296	-0.089	0.649	0.743	-17538
49009_9010	49009	9010	7.294	61.617	0.089	-0.649	0.328	17006.97
49010_9010	49010	9010	-7.293	-87.596	0.802	11.144	-0.328	-17007
49010_9011	49010	9011	7.293	122.938	-0.802	-11.144	-9.369	15734.6
49011_9011	49011	9011	-7.292	-122.938	0.814	-14.687	9.369	-15734.6
49011_9012	49011	9012	7.292	158.273	-0.814	14.687	-19.21	14035.42
49012_9012	49012	9012	-7.291	-183.073	0.657	6.609	19.21	-14035.4
49012_9013	49012	9013	7.291	218.405	-0.657	-6.609	-27.149	11609.8
49013_9013	49013	9013	-7.29	-218.405	0.669	-12.462	27.149	-11609.8
49013_9014	49013	9014	7.29	253.729	-0.669	12.462	-35.232	8757.873
49014_9014	49014	9014	-7.29	-277.403	-0.046	0.799	35.232	-8757.87
49014_9015	49014	9015	7.29	322.856	0.046	-0.799	-34.521	4092.254
49015_9015	49015	9015	-3.621	-322.918	-0.034	-6.063	34.454	-4096.76
49015_9016	49015	9016	3.364	345.46	0.034	6.063	-34.172	1339.722
49016_9016	49016	9016	4.54	-364.953	-3.577	-4.347	60.222	-1984.18
49016_9017	49016	9017	-5.6	397.284	3.577	4.347	-18.156	-2497.66
49017_9017	49017	9017	16.74	-396.971	-3.56	0.753	18.368	2497.66
49017_9018	49017	9018	-19.123	436.077	3.56	-0.753	28.897	-8025.92
49018_9018	49018	9018	33.294	-457.652	4.724	-13.269	-30.188	8025.745
49018_9019	49018	9019	-36.747	496.36	-4.724	13.269	-29.073	-14007.7
49019_9019	49019	9019	50.417	-495.158	4.736	9.337	31.435	14007.65
49019_9020	49019	9020	-55.239	536.354	-4.736	-9.337	-91.059	-20497.3
49020_9020	49020	9020	-2103.41	154.574	-25.789	-3.104	557.456	3550.3
49020_9021	49020	9021	2103.411	-127.816	25.789	3.104	-312.388	-2208.56
49021_9021	49021	9021	-2103.47	127.816	-20.947	1.98	312.388	2208.564
49021_9022	49021	9022	2103.465	-108.128	20.947	-1.98	-150.279	-1295.57
49022_9022	49022	9022	-2103.44	108.128	-23.031	0.697	150.279	1295.575
49022_9023	49022	9023	2103.443	-88.386	23.031	-0.697	28.443	-533.097
49023_9023	49023	9023	-2103.52	69.647	-4.682	-0.168	-28.443	533.089
49023_9024	49023	9024	2103.522	-49.296	4.682	0.168	65.899	-57.337
49024_9024	49024	9024	-2103.52	49.296	-4.682	-0.168	-65.899	57.337
49024_9025	49024	9025	2103.522	-28.945	4.682	0.168	103.356	255.613
49025_9025	49025	9025	-2103.53	28.945	-2.069	-0.485	-103.356	-255.612
49025_9026	49025	9026	2103.526	-8.596	2.069	0.485	119.902	405.75

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49026_9026	49026	9026	-2103.52	-8.688	-4.823	0.025	-119.902	-405.749
49026_9027	49026	9027	2103.523	23.943	4.823	-0.025	148.822	307.913
49027_9027	49027	9027	-2103.53	-23.943	-0.956	-0.541	-148.822	-307.913
49027_9028	49027	9028	2103.528	39.221	0.956	0.541	154.562	118.255
49028_9028	49028	9028	-2103.53	-39.221	-1.336	-0.52	-154.562	-118.255
49028_9029	49028	9029	2103.528	54.473	1.336	0.52	162.569	-162.607
49029_9029	49029	9029	-2103.53	-54.473	-0.956	-0.49	-162.569	162.607
49029_9030	49029	9030	2103.528	69.75	0.956	0.49	168.309	-535.604
49030_9030	49030	9030	-2103.53	-87.274	1.523	-1.511	-168.309	535.609
49030_9031	49030	9031	2103.529	107.614	-1.523	1.511	156.133	-1314.7
49031_9031	49031	9031	-2103.53	-107.614	1.523	-1.511	-156.133	1314.704
49031_9032	49031	9032	2103.529	127.954	-1.523	1.511	143.957	-2256.42
49032_9032	49032	9032	-2103.53	-127.954	4.415	1.592	-143.957	2256.424
49032_9033	49032	9033	2103.525	148.317	-4.415	-1.592	108.614	-3362.09
49033_9033	49033	9033	-2103.48	-166.928	16.012	-5.279	-108.614	3362.122
49033_9034	49033	9034	2103.479	186.65	-16.012	5.279	-15.516	-4732.67
49034_9034	49034	9034	-2103.48	-186.65	16.012	-5.279	15.516	4732.668
49034_9035	49034	9035	2103.479	206.373	-16.012	5.279	-139.646	-6256.11
49035_9035	49035	9035	-2103.44	-206.373	21.033	9.655	139.646	6256.104
49035_9036	49035	9036	2103.435	233.122	-21.033	-9.655	-339.452	-8343.63
49036_9036	49036	9036	15.652	455.355	-3.532	-26.096	49.672	26389.85
49036_9037	49036	9037	-10.83	-414.184	3.532	26.096	-5.241	-20922.9
49037_9037	49037	9037	-0.645	414.325	-3.439	25.22	-0.07	20922.89
49037_9038	49037	9038	4.097	-375.596	3.439	-25.22	43.24	-15967.5
49038_9038	49038	9038	-15.746	356.029	2.507	-3.617	-40.685	15967.82
49038_9039	49038	9039	18.128	-316.941	-2.507	3.617	7.419	-11504.3
49039_9039	49039	9039	-52.864	249.682	1.023	2.708	-13.183	1543.463
49039_9040	49039	9040	53.926	-217.292	-1.023	-2.708	1.145	1202.406
49040_9040	49040	9040	-58.788	197.099	0.434	0.495	-1.061	-1202.41
49040_9041	49040	9041	59.043	-174.626	-0.434	-0.495	-2.521	2735.423
49041_9041	49041	9041	-61.024	173.944	0.427	0.795	2.526	-2735.42
49041_9042	49041	9042	61.024	-136.95	-0.427	-0.795	-8.981	5085.734
49042_9042	49042	9042	-61.024	115.602	-0.1	2.844	8.981	-5085.74
49042_9043	49042	9043	61.024	-86.527	0.1	-2.844	-7.788	6286.675
49043_9043	49043	9043	-61.024	86.527	-0.054	-1.929	7.788	-6286.68
49043_9044	49043	9044	61.024	-57.479	0.054	1.929	-7.146	7141.498
49044_9044	49044	9044	-61.024	34.626	-0.072	3.232	7.146	-7141.49
49044_9045	49044	9045	61.024	-5.559	0.072	-3.232	-6.29	7380.184
49045_9045	49045	9045	-61.024	5.559	-0.021	-2.955	6.29	-7380.18
49045_9046	49045	9046	61.024	23.507	0.021	2.955	-6.041	7273.578
49046_9046	49046	9046	-61.024	-46.839	0.001	2.538	6.041	-7273.58
49046_9047	49046	9047	61.024	75.9	-0.001	-2.538	-6.053	6544.664
49047_9047	49047	9047	-61.024	-75.9	0.052	-2.951	6.053	-6544.66
49047_9048	49047	9048	61.024	104.959	-0.052	2.951	-6.672	5470.677
49048_9048	49048	9048	-61.024	-128.081	0.176	1.071	6.672	-5470.68
49048_9049	49048	9049	61.024	157.136	-0.176	-1.071	-8.762	3777.238
49049_9049	49049	9049	-61.024	-157.136	0.227	-2.098	8.762	-3777.24
49049_9050	49049	9050	61.024	186.188	-0.227	2.098	-11.459	1738.944
49050_9050	49050	9050	-61.024	-208.138	-0.407	-1.191	11.459	-1738.94
49050_9051	49050	9051	61.024	245.167	0.407	1.191	-5.302	-1691.27
49051_9051	49051	9051	-58.234	-245.845	-0.35	0.326	5.306	1691.271
49051_9052	49051	9052	57.998	266.629	0.35	-0.326	-2.42	-3805.03
49052_9052	49052	9052	-51.614	-287.658	-0.918	-2.086	2.349	3804.925

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49052_9053	49052	9053	50.634	317.549	0.918	2.086	8.447	-7361.76
49053_9053	49053	9053	-44.188	-320.962	-2.479	0.04	2.422	7709.264
49053_9054	49053	9054	41.836	359.458	2.479	-0.04	30.496	-12225.2
49054_9054	49054	9054	-29.873	-381.42	2.47	-8.205	-31.297	12224.87
49054_9055	49054	9055	26.477	419.408	-2.47	8.205	0.307	-17247.7
49055_9055	49055	9055	-14.878	-419.979	2.52	5.469	1.069	17247.67
49055_9056	49055	9056	10.157	460.22	-2.52	-5.469	-32.786	-22783.3
49056_9056	49056	9056	-2035.45	199.217	-19.753	-5.326	354.56	6116.903
49056_9057	49056	9057	2035.449	-172.803	19.753	5.326	-166.926	-4350.02
49057_9057	49057	9057	-2035.48	172.803	-16.08	2.831	166.926	4311.178
49057_9058	49057	9058	2035.481	-151.707	16.08	-2.831	-42.267	-3053.3
49058_9058	49058	9058	-2035.5	151.707	-13.462	6.759	42.267	3053.291
49058_9059	49058	9059	2035.5	-130.613	13.462	-6.759	62.084	-1959.06
49059_9059	49059	9059	-2035.53	112.776	-5.195	-0.653	-62.084	1959.033
49059_9060	49059	9060	2035.529	-91.026	5.195	0.653	103.608	-1144.59
49060_9060	49060	9060	-2035.53	91.026	-2.468	0.881	-103.608	1144.585
49060_9061	49060	9061	2035.534	-69.252	2.468	-0.881	123.355	-503.331
49061_9061	49061	9061	-2035.53	69.252	-2.468	0.881	-123.355	503.331
49061_9062	49061	9062	2035.534	-47.477	2.468	-0.881	143.101	-36.312
49062_9062	49062	9062	-2035.53	30.714	0.233	0.222	-143.101	36.309
49062_9063	49062	9063	2035.533	-14.372	-0.233	-0.222	141.701	99.073
49063_9063	49063	9063	-2035.53	14.372	-3.396	0.399	-141.701	-99.072
49063_9064	49063	9064	2035.531	1.944	3.396	-0.399	162.063	136.332
49064_9064	49064	9064	-2035.53	-1.944	3.377	-0.055	-162.063	-136.333
49064_9065	49064	9065	2035.531	18.257	-3.377	0.055	141.819	75.781
49065_9065	49065	9065	-2035.53	-18.257	0.233	0.062	-141.819	-75.781
49065_9066	49065	9066	2035.533	34.599	-0.233	-0.062	140.419	-82.932
49066_9066	49066	9066	-2035.53	-51.381	1.972	-0.542	-140.419	82.933
49066_9067	49066	9067	2035.534	73.15	-1.972	0.542	124.647	-581.033
49067_9067	49067	9067	-2035.53	-73.15	4.51	0.182	-124.647	581.033
49067_9068	49067	9068	2035.529	94.916	-4.51	-0.182	88.57	-1253.21
49068_9068	49068	9068	-2035.53	-94.916	4.51	0.182	-88.57	1253.207
49068_9069	49068	9069	2035.529	116.683	-4.51	-0.182	52.493	-2099.49
49069_9069	49069	9069	-2035.49	-134.383	15.463	-3.967	-52.493	2099.523
49069_9070	49069	9070	2035.486	155.465	-15.463	3.967	-67.307	-3222.32
49070_9070	49070	9070	-2035.49	-155.465	15.639	-3.688	67.307	3222.316
49070_9071	49070	9071	2035.485	176.575	-15.639	3.688	-188.628	-4510.21
49071_9071	49071	9071	-2035.45	-176.575	19.252	4.684	188.628	4549.048
49071_9072	49071	9072	2035.454	202.992	-19.252	-4.684	-371.526	-6352.04
49072_9072	49072	9072	-5.452	458.014	-2.447	-12.912	37.707	23090.59
49072_9073	49072	9073	10.172	-417.779	2.447	12.912	-6.921	-17583.7
49073_9073	49073	9073	-21.741	417.338	-2.35	15.761	3.982	17583.65
49073_9074	49073	9074	25.136	-379.333	2.35	-15.761	25.52	-12584.7
49074_9074	49074	9074	-36.815	360.677	2.742	0.936	-24.119	12584.87
49074_9075	49074	9075	39.166	-322.203	-2.742	-0.936	-12.265	-8055.37
49075_9075	49075	9075	-48.947	247.555	1.216	-1.274	-2.206	-3395.66
49075_9076	49075	9076	49.909	-218.219	-1.216	1.274	-12.093	6133.45
49076_9076	49076	9076	-54.781	200.184	-0.294	2.943	12.012	-6133.58
49076_9077	49076	9077	55.013	-179.804	0.294	-2.943	-9.591	7700.046
49077_9077	49077	9077	-57.054	179.167	-0.273	-0.092	9.624	-7683.45
49077_9078	49077	9078	57.054	-143.296	0.273	0.092	-5.886	9894.567
49078_9078	49078	9078	-57.054	124.211	-0.086	6.564	5.886	-9894.58
49078_9079	49078	9079	57.054	-95.024	0.086	-6.564	-4.927	11117.73

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49079_9079	49079	9079	-57.054	95.024	-0.032	-3.946	4.927	-11117.7
49079_9080	49079	9080	57.054	-65.812	0.032	3.946	-4.569	12015.82
49080_9080	49080	9080	-57.054	45.46	-0.087	0.803	4.569	-12015.8
49080_9081	49080	9081	57.054	-16.251	0.087	-0.803	-3.594	12360.38
49081_9081	49081	9081	-57.054	16.251	-0.087	0.803	3.594	-12360.4
49081_9082	49081	9082	57.054	12.957	0.087	-0.803	-2.619	12378.77
49082_9082	49082	9082	-57.055	-34.962	-0.064	4.645	2.619	-12378.8
49082_9083	49082	9083	57.055	66.367	0.064	-4.645	-1.854	11770.45
49083_9083	49083	9083	-57.055	-66.367	-0.019	-4.639	1.854	-11770.4
49083_9084	49083	9084	57.055	97.745	0.019	4.639	-1.629	10786.1
49084_9084	49084	9084	-57.055	-119.883	0.031	3.448	1.629	-10786.1
49084_9085	49084	9085	57.055	149.085	-0.031	-3.448	-1.972	9284.711
49085_9085	49085	9085	-57.054	-149.085	0.082	-4.858	1.972	-9284.71
49085_9086	49085	9086	57.054	178.285	-0.082	4.858	-2.884	7457.405
49086_9086	49086	9086	-57.054	-199.566	0.045	0.985	2.884	-7457.4
49086_9087	49086	9087	57.054	228.791	-0.045	-0.985	-3.389	5064.365
49087_9087	49087	9087	-57.054	-228.791	0.094	-3.327	3.389	-5064.36
49087_9088	49087	9088	57.054	257.989	-0.094	3.327	-4.436	2347.497
49088_9088	49088	9088	-57.055	-277.641	-0.478	-2.296	4.436	-2347.49
49088_9089	49088	9089	57.055	312.126	0.478	2.296	1.867	-1540.16
49089_9089	49089	9089	-53.508	-312.753	-0.438	-1.057	-1.879	1523.558
49089_9090	49089	9090	53.264	334.29	0.438	1.057	5.494	-4195.41
49090_9090	49090	9090	-45.447	-354.621	-0.2	-7.334	-5.726	4195.286
49090_9091	49090	9091	44.432	385.526	0.2	7.334	8.079	-8542.24
49091_9091	49091	9091	-36.338	-388.244	-1.612	3.227	-0.088	8798.695
49091_9092	49091	9092	34.012	426.419	1.612	-3.227	21.487	-14204.9
49092_9092	49092	9092	-20.2	-448.051	1.656	-24.905	-23.95	14204.58
49092_9093	49092	9093	16.839	485.745	-1.656	24.905	3.173	-20062.3
49093_9093	49093	9093	-3.41	-486.025	1.799	22.976	1.735	20062.3
49093_9094	49093	9094	-1.267	525.972	-1.799	-22.976	-24.378	-26427.6
49094_9094	49094	9094	-2247.85	181.819	-14.419	-4.179	220.44	6652.571
49094_9095	49094	9095	2247.848	-155.636	14.419	4.179	-83.501	-5050.13
49095_9095	49095	9095	-2247.87	155.636	-10.897	3.733	83.501	5050.131
49095_9096	49095	9096	2247.868	-134.848	10.897	-3.733	1.009	-3923.72
49096_9096	49096	9096	-2247.87	134.848	-11.005	3.544	-1.009	3923.716
49096_9097	49096	9097	2247.867	-114.087	11.005	-3.544	86.252	-2959.66
49097_9097	49097	9097	-2247.92	96.33	1.797	-1.749	-86.252	2959.62
49097_9098	49097	9098	2247.915	-74.873	-1.797	1.749	71.864	-2274.36
49098_9098	49098	9098	-2247.91	74.873	4.505	0.991	-71.864	2274.358
49098_9099	49098	9099	2247.911	-53.443	-4.505	-0.991	35.846	-1761.42
49099_9099	49099	9099	-2247.91	53.443	4.604	1.068	-35.846	1761.421
49099_9100	49099	9100	2247.911	-31.987	-4.604	-1.068	-1.005	-1419.49
49100_9100	49100	9100	-2247.9	16.279	-0.85	-0.799	1.005	1419.486
49100_9101	49100	9101	2247.896	-0.188	0.85	0.799	4.099	-1370.06
49101_9101	49101	9101	-2247.9	0.188	-0.975	-0.875	-4.099	1370.058
49101_9102	49101	9102	2247.896	15.877	0.975	0.875	9.943	-1417.07
49102_9102	49102	9102	-2247.9	-15.877	-0.85	-0.796	-9.943	1417.072
49102_9103	49102	9103	2247.896	31.968	0.85	0.796	15.046	-1560.69
49103_9103	49103	9103	-2247.89	-31.968	2.892	1.802	-15.046	1560.686
49103_9104	49103	9104	2247.894	48.059	-2.892	-1.802	-2.317	-1800.89
49104_9104	49104	9104	-2247.91	-63.735	-5.959	-2.461	2.317	1800.894
49104_9105	49104	9105	2247.908	85.162	5.959	2.461	45.318	-2396.03
49105_9105	49105	9105	-2247.91	-85.162	-3.064	0.625	-45.318	2396.029

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49105_9106	49105	9106	2247.914	106.615	3.064	-0.625	69.839	-3163.48
49106_9106	49106	9106	-2247.91	-106.615	-3.148	0.506	-69.839	3163.48
49106_9107	49106	9107	2247.914	128.041	3.148	-0.506	95.003	-4101.35
49107_9107	49107	9107	-2247.87	-145.776	9.609	-3.502	-95.003	4101.395
49107_9108	49107	9108	2247.874	166.557	-9.609	3.502	20.504	-5312.17
49108_9108	49108	9108	-2247.87	-166.557	9.609	-3.502	-20.504	5312.174
49108_9109	49108	9109	2247.874	187.339	-9.609	3.502	-53.995	-6684.07
49109_9109	49109	9109	-2247.86	-187.339	11.897	3.302	53.995	6684.074
49109_9110	49109	9110	2247.863	213.539	-11.897	-3.302	-167.058	-8588.96
49110_9110	49110	9110	-13.803	492.522	-1.788	-17.808	16.861	28678.26
49110_9111	49110	9111	18.48	-452.591	1.788	17.808	5.633	-22736.3
49111_9111	49111	9111	-31.01	451.906	-1.673	19.044	-9.394	22736.29
49111_9112	49111	9112	34.371	-414.203	1.673	-19.044	30.396	-17302
49112_9112	49112	9112	-47.091	394.05	1.854	-1.83	-28.527	17302.4
49112_9113	49112	9113	49.417	-355.899	-1.854	1.83	3.93	-12328.8
49113_9113	49113	9113	-58.805	279.845	0.852	2.327	0.343	788.16
49113_9114	49113	9114	59.816	-249.001	-0.852	-2.327	-10.367	2320.792
49114_9114	49114	9114	-65.346	230.222	-0.132	1.797	10.418	-2320.83
49114_9115	49114	9115	65.59	-208.767	0.132	-1.797	-9.33	4132.107
49115_9115	49115	9115	-67.957	208.009	-0.119	0.901	9.349	-4112.57
49115_9116	49115	9116	67.957	-174.287	0.119	-0.901	-7.712	6733.757
49116_9116	49116	9116	-67.958	155.217	-0.146	8.228	7.712	-6733.76
49116_9117	49116	9117	67.958	-127.769	0.146	-8.228	-6.081	8313.102
49117_9117	49117	9117	-67.958	127.769	-0.023	-6.792	6.081	-8313.1
49117_9118	49117	9118	67.958	-100.296	0.023	6.792	-5.821	9587.029
49118_9118	49118	9118	-67.958	79.325	-0.417	9.738	5.821	-9587.04
49118_9119	49118	9119	67.958	-51.877	0.417	-9.738	-1.163	10319.25
49119_9119	49119	9119	-67.959	51.877	-0.295	-8.891	1.163	-10319.3
49119_9120	49119	9120	67.959	-24.406	0.295	8.891	2.128	10745.35
49120_9120	49120	9120	-67.959	2.742	-0.053	8.817	-2.128	-10745.4
49120_9121	49120	9121	67.959	26.746	0.053	-8.817	2.767	10601.45
49121_9121	49121	9121	-67.959	-26.746	0.061	-8.974	-2.767	-10601.4
49121_9122	49121	9122	67.959	56.258	-0.061	8.974	2.039	10103.38
49122_9122	49122	9122	-67.959	-78.519	-0.227	11.664	-2.039	-10103.4
49122_9123	49122	9123	67.959	105.989	0.227	-11.664	4.574	9072.82
49123_9123	49123	9123	-67.959	-105.989	-0.044	-12.7	-4.574	-9072.82
49123_9124	49123	9124	67.959	133.459	0.044	12.7	5.07	7735.436
49124_9124	49124	9124	-67.959	-154.227	-0.243	4.424	-5.07	-7735.44
49124_9125	49124	9125	67.959	181.672	0.243	-4.424	7.783	5861.041
49125_9125	49125	9125	-67.959	-181.672	-0.121	-6.121	-7.783	-5861.04
49125_9126	49125	9126	67.959	209.141	0.121	6.121	9.132	3678.28
49126_9126	49126	9126	-67.959	-228.46	0.296	-0.575	-9.132	-3678.28
49126_9127	49126	9127	67.959	261.389	-0.296	0.575	5.168	398.654
49127_9127	49127	9127	-64.981	-262.145	0.391	-1.187	-5.182	-418.19
49127_9128	49127	9128	64.756	281.889	-0.391	1.187	1.959	-1823.36
49128_9128	49128	9128	-58.115	-300.67	-2.924	-5.434	-2.124	1823.327
49128_9129	49128	9129	57.182	329.111	2.924	5.434	36.497	-5524.88
49129_9129	49129	9129	-55.038	-333.067	-5.316	7.247	-42.889	5888.053
49129_9130	49129	9130	52.776	370.19	5.316	-7.247	113.461	-10554.1
49130_9130	49130	9130	-40.452	-393.406	9.921	-6.353	-114.71	10554.07
49130_9131	49130	9131	37.179	430.111	-9.921	6.353	-9.793	-15719.5
49131_9131	49131	9131	-25.319	-430.971	9.981	5.891	11.078	15719.45
49131_9132	49131	9132	20.758	469.964	-9.981	-5.891	-136.793	-21390.5

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49132_9132	49132	9132	-1896.9	172.314	2.901	2.17	-12.388	5222.692
49132_9133	49132	9133	1896.895	-146.873	-2.901	-2.17	-15.173	-3706.55
49133_9133	49133	9133	-1896.9	146.873	0.454	-2.612	15.173	3706.554
49133_9134	49133	9134	1896.897	-127.831	-0.454	2.612	-18.688	-2642.07
49134_9134	49134	9134	-1896.9	127.831	2.901	0.797	18.688	2642.073
49134_9135	49134	9135	1896.895	-108.79	-2.901	-0.797	-41.173	-1725.17
49135_9135	49135	9135	-1896.9	90.416	0.365	-0.983	41.173	1725.166
49135_9136	49135	9136	1896.897	-70.76	-0.365	0.983	-44.092	-1080.46
49136_9136	49136	9136	-1896.9	70.76	2.736	0.368	44.092	1080.464
49136_9137	49136	9137	1896.895	-51.103	-2.736	-0.368	-65.981	-593.012
49137_9137	49137	9137	-1896.9	51.103	2.736	0.368	65.981	593.012
49137_9138	49137	9138	1896.895	-31.447	-2.736	-0.368	-87.869	-262.809
49138_9138	49138	9138	-1896.89	13.954	-4.676	-0.346	87.869	262.809
49138_9139	49138	9139	1896.894	0.789	4.676	0.346	-59.815	-223.314
49139_9139	49139	9139	-1896.9	-0.789	-1.514	0.026	59.815	223.314
49139_9140	49139	9140	1896.899	15.531	1.514	-0.026	-50.729	-272.271
49140_9140	49140	9140	-1896.9	-15.531	-1.514	0.026	50.729	272.271
49140_9141	49140	9141	1896.899	30.273	1.514	-0.026	-41.644	-409.682
49141_9141	49141	9141	-1896.89	-30.273	-4.676	-0.656	41.644	409.681
49141_9142	49141	9142	1896.894	45.015	4.676	0.656	-13.589	-635.544
49142_9142	49142	9142	-1896.9	-62.375	-1.653	-0.137	13.589	635.545
49142_9143	49142	9143	1896.899	82.031	1.653	0.137	-0.363	-1213.17
49143_9143	49143	9143	-1896.9	-82.031	-4.024	-1.654	0.363	1213.17
49143_9144	49143	9144	1896.896	101.687	4.024	1.654	31.833	-1948.05
49144_9144	49144	9144	-1896.9	-101.687	-1.653	0.781	-31.833	1948.046
49144_9145	49144	9145	1896.899	121.344	1.653	-0.781	45.059	-2840.17
49145_9145	49145	9145	-1896.9	-137.774	2.363	0.768	-45.059	2840.17
49145_9146	49145	9146	1896.895	156.816	-2.363	-0.768	26.743	-3981.71
49146_9146	49146	9146	-1896.9	-156.816	-0.084	-4.369	-26.743	3981.706
49146_9147	49146	9147	1896.897	175.858	0.084	4.369	27.395	-5270.82
49147_9147	49147	9147	-1896.9	-175.858	2.363	2.432	-27.395	5270.821
49147_9148	49147	9148	1896.895	201.298	-2.363	-2.432	4.942	-7062.31
49148_9148	49148	9148	-22.875	415.714	0.008	0.392	-19.749	23627.36
49148_9149	49148	9149	27.437	-376.752	-0.008	-0.392	19.654	-18643.3
49149_9149	49149	9149	-37.83	375.85	0.008	0.934	-19.636	18643.31
49149_9150	49149	9150	41.103	-339.145	-0.008	-0.934	19.541	-14158.9
49150_9150	49150	9150	-51.433	324.324	-0.647	0.448	-19.444	14158.9
49150_9151	49150	9151	53.695	-287.201	0.647	-0.448	28.031	-10101.7
49151_9151	49151	9151	-68.974	205.94	0.423	1.319	-14.251	-1180.85
49151_9152	49151	9152	69.92	-177.101	-0.423	-1.319	9.28	3431.981
49152_9152	49152	9152	-73.892	158.529	0.231	-2.007	-9.21	-3431.98
49152_9153	49152	9153	74.12	-138.482	-0.231	2.007	7.301	4657.173
49153_9153	49153	9153	-75.689	137.631	0.176	1.464	-7.323	-4657.17
49153_9154	49153	9154	75.689	-105.221	-0.176	-1.464	4.899	6326.776
49154_9154	49154	9154	-75.689	85.787	-0.029	3.486	-4.899	-6326.78
49154_9155	49154	9155	75.689	-59.859	0.029	-3.486	5.223	7127.829
49155_9155	49155	9155	-75.689	59.859	0.039	-2.994	-5.223	-7127.83
49155_9156	49155	9156	75.689	-33.931	-0.039	2.994	4.79	7643.674
49156_9156	49156	9156	-75.689	13.411	0.088	3.894	-4.79	-7643.67
49156_9157	49156	9157	75.689	10.16	-0.088	-3.894	3.91	7659.925
49157_9157	49157	9157	-75.689	-10.16	0.164	-3.766	-3.91	-7659.93
49157_9158	49157	9158	75.689	33.731	-0.164	3.766	2.273	7440.469
49158_9158	49158	9158	-75.689	-53.664	0	3.282	-2.273	-7440.47

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49158_9159	49158	9159	75.689	77.234	0	-3.282	2.269	6785.979
49159_9159	49159	9159	-75.689	-77.234	0.076	-3.504	-2.269	-6785.98
49159_9160	49159	9160	75.689	100.805	-0.076	3.504	1.508	5895.781
49160_9160	49160	9160	-75.689	-120.961	0.199	-0.273	-1.508	-5895.78
49160_9161	49160	9161	75.689	146.865	-0.199	0.273	-0.681	4424.078
49161_9161	49161	9161	-75.689	-146.865	0.199	-0.277	0.681	-4424.08
49161_9162	49161	9162	75.689	172.793	-0.199	0.277	-2.872	2665.958
49162_9162	49162	9162	-75.689	-191.556	-0.201	-0.389	2.872	-2665.96
49162_9163	49162	9163	75.689	223.966	0.201	0.389	-0.106	-190.759
49163_9163	49163	9163	-73.138	-224.812	-0.293	-0.621	0.099	190.758
49163_9164	49163	9164	72.911	244.859	0.293	0.621	2.317	-2128.22
49164_9164	49164	9164	-67.11	-262.784	0.32	0.855	-2.283	2128.219
49164_9165	49164	9165	66.164	291.623	-0.32	-0.855	-1.474	-5386.66
49165_9165	49165	9165	-63.307	-295.435	-1.14	-2.973	9.744	5770.843
49165_9166	49165	9166	61.06	332.307	1.14	2.973	5.394	-9935.69
49166_9166	49166	9166	-50.264	-350.104	0.761	-6.202	-5.777	9935.685
49166_9167	49166	9167	47.012	386.572	-0.761	6.202	-3.767	-14556.1
49167_9167	49167	9167	-36.318	-387.723	0.825	5.262	4.949	14556.14
49167_9168	49167	9168	31.784	426.447	-0.825	-5.262	-15.337	-19676.8
49168_9168	49168	9168	-1786.61	181.646	-2.959	-0.991	48.057	5138.458
49168_9169	49168	9169	1786.605	-156.386	2.959	0.991	-19.946	-3532.81
49169_9169	49169	9169	-1786.61	156.386	-1.078	2.728	19.946	3532.806
49169_9170	49169	9170	1786.607	-137.26	1.078	-2.728	-11.588	-2394.93
49170_9170	49170	9170	-1786.6	137.26	-3.384	-0.362	11.588	2394.929
49170_9171	49170	9171	1786.604	-118.135	3.384	0.362	14.637	-1405.27
49171_9171	49171	9171	-1786.61	101.061	1.482	0.7	-14.637	1405.271
49171_9172	49171	9172	1786.607	-81.319	-1.482	-0.7	2.778	-675.752
49172_9172	49172	9172	-1786.61	81.319	-0.751	-0.145	-2.778	675.753
49172_9173	49172	9173	1786.607	-61.576	0.751	0.145	8.785	-104.172
49173_9173	49173	9173	-1786.61	61.576	1.482	-0.015	-8.785	104.173
49173_9174	49173	9174	1786.607	-41.834	-1.482	0.015	-3.073	309.469
49174_9174	49174	9174	-1786.61	24.134	0.846	-0.186	3.073	-309.469
49174_9175	49174	9175	1786.607	-9.327	-0.846	0.186	-8.15	409.852
49175_9175	49175	9175	-1786.61	9.327	-2.132	0.497	8.15	-409.852
49175_9176	49175	9176	1786.606	5.48	2.132	-0.497	4.639	421.395
49176_9176	49176	9176	-1786.61	-5.48	0.846	-0.205	-4.639	-421.395
49176_9177	49176	9177	1786.607	20.286	-0.846	0.205	-0.438	344.098
49177_9177	49177	9177	-1786.61	-20.286	0.846	-0.205	0.438	-344.098
49177_9178	49177	9178	1786.607	35.093	-0.846	0.205	-5.515	177.96
49178_9178	49178	9178	-1786.61	-52.729	-1.951	-0.075	5.515	-177.96
49178_9179	49178	9179	1786.606	72.471	1.951	0.075	10.089	-322.842
49179_9179	49179	9179	-1786.61	-72.471	0.283	0.329	-10.089	322.842
49179_9180	49179	9180	1786.607	92.214	-0.283	-0.329	7.828	-981.582
49180_9180	49180	9180	-1786.61	-92.214	-1.951	-0.898	-7.828	981.581
49180_9181	49180	9181	1786.606	111.956	1.951	0.898	23.432	-1798.26
49181_9181	49181	9181	-1786.61	-128.897	3.614	0.933	-23.432	1798.26
49181_9182	49181	9182	1786.607	148.023	-3.614	-0.933	-4.579	-2871.33
49182_9182	49182	9182	-1786.61	-148.023	3.614	0.933	4.579	2871.325
49182_9183	49182	9183	1786.607	167.148	-3.614	-0.933	-32.589	-4092.61
49183_9183	49183	9183	-1786.61	-167.148	1.734	-3.375	32.589	4092.611
49183_9184	49183	9184	1786.61	192.408	-1.734	3.375	-49.059	-5800.5
49184_9184	49184	9184	-38.116	406.034	-1.151	-5.81	6.164	20493.21
49184_9185	49184	9185	42.65	-367.309	1.151	5.81	8.325	-15629.5

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49185_9185	49185	9185	-52.778	365.992	-1.083	6.876	-9.592	15629.49
49185_9186	49185	9186	56.029	-329.524	1.083	-6.876	23.186	-11267.3
49186_9186	49186	9186	-66.141	313.352	1.45	0.34	-22.546	11267.31
49186_9187	49186	9187	68.387	-276.48	-1.45	-0.34	3.295	-7354.09
49187_9187	49187	9187	-66.353	187.515	0.15	1.164	-8.89	-4139.68
49187_9188	49187	9188	67.32	-158.058	-0.15	-1.164	7.127	6170.566
49188_9188	49188	9188	-70.889	139.093	0.332	-2.451	-7.057	-6170.57
49188_9189	49188	9189	71.122	-118.612	-0.332	2.451	4.317	7233.611
49189_9189	49189	9189	-72.465	117.796	0.279	2.817	-4.345	-7244.36
49189_9190	49189	9190	72.465	-83.261	-0.279	-2.817	0.503	8626.628
49190_9190	49190	9190	-72.465	62.884	-0.017	-3.735	-0.503	-8626.63
49190_9191	49190	9191	72.465	-35.256	0.017	3.735	0.691	9166.395
49191_9191	49191	9191	-72.465	35.256	-0.083	4.598	-0.691	-9166.39
49191_9192	49191	9192	72.465	-7.628	0.083	-4.598	1.604	9402.253
49192_9192	49192	9192	-72.465	-13.504	0.006	4.718	-1.604	-9402.25
49192_9193	49192	9193	72.465	38.495	-0.006	-4.718	1.544	9143.556
49193_9193	49193	9193	-72.465	-38.495	0.079	-4.472	-1.544	-9143.56
49193_9194	49193	9194	72.465	63.486	-0.079	4.472	0.759	8636.201
49194_9194	49194	9194	-72.465	-84.259	0.031	3.69	-0.759	-8636.2
49194_9195	49194	9195	72.465	109.25	-0.031	-3.69	0.447	7673.495
49195_9195	49195	9195	-72.465	-109.25	0.104	-4.022	-0.447	-7673.5
49195_9196	49195	9196	72.465	134.216	-0.104	4.022	-0.589	6463.472
49196_9196	49196	9196	-72.466	-155.343	0.078	1.63	0.589	-6463.48
49196_9197	49196	9197	72.466	182.971	-0.078	-1.63	-1.441	4602.752
49197_9197	49197	9197	-72.465	-182.971	0.143	-2.554	1.441	-4602.75
49197_9198	49197	9198	72.465	210.599	-0.143	2.554	-3.018	2438.121
49198_9198	49198	9198	-72.463	-231.037	-0.224	-0.93	3.018	-2438.12
49198_9199	49198	9199	72.463	265.597	0.224	0.93	0.063	-978.72
49199_9199	49199	9199	-69.381	-266.419	-0.171	-0.268	-0.066	999.572
49199_9200	49199	9200	69.134	287.741	0.171	0.268	1.48	-3285.58
49200_9200	49200	9200	-62.23	-307.336	-0.66	-1.806	-1.538	3285.584
49200_9201	49200	9201	61.206	337.991	0.66	1.806	9.293	-7078.54
49201_9201	49201	9201	-57.229	-343.178	-3.344	-0.483	2.215	7622.526
49201_9202	49201	9202	54.746	383.377	3.344	0.483	42.183	-12443.5
49202_9202	49202	9202	-42.143	-404.48	2.868	5.027	-41.79	12443.44
49202_9203	49202	9203	38.57	444.086	-2.868	-5.027	5.8	-17766.5
49203_9203	49203	9203	-26.268	-444.983	2.805	-8.929	-7.327	17766.47
49203_9204	49203	9204	21.32	486.846	-2.805	8.929	-27.979	-23628.3
49204_9204	49204	9204	-2117.58	200.317	-13.102	-3.173	262.442	6365.294
49204_9205	49204	9205	2117.577	-172.672	13.102	3.173	-137.973	-4593.59
49205_9205	49205	9205	-2117.59	172.672	-10.873	2.995	137.973	4334.013
49205_9206	49205	9206	2117.589	-151.601	10.873	-2.995	-53.707	-3077.45
49206_9206	49206	9206	-2117.59	151.601	-10.873	2.995	53.707	3077.454
49206_9207	49206	9207	2117.589	-130.53	10.873	-2.995	30.559	-1984.2
49207_9207	49207	9207	-2117.64	110.989	-3.347	-0.867	-30.559	1984.19
49207_9208	49207	9208	2117.64	-89.239	3.347	0.867	57.334	-1183.28
49208_9208	49208	9208	-2117.64	89.239	-0.7	0.612	-57.334	1183.277
49208_9209	49208	9209	2117.642	-67.488	0.7	-0.612	62.933	-556.371
49209_9209	49209	9209	-2117.64	67.488	1.947	1.307	-62.933	556.37
49209_9210	49209	9210	2117.642	-45.737	-1.947	-1.307	47.356	-103.47
49210_9210	49210	9210	-2117.61	27.367	-5.512	0.018	-47.356	103.464
49210_9211	49210	9211	2117.611	-11.054	5.512	-0.018	80.428	11.798
49211_9211	49211	9211	-2117.62	11.054	-1.983	-0.001	-80.428	-11.798

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49211_9212	49211	9212	2117.617	5.26	1.983	0.001	92.325	29.18
49212_9212	49212	9212	-2117.62	-5.26	1.546	-0.05	-92.325	-29.18
49212_9213	49212	9213	2117.617	21.573	-1.546	0.05	83.047	-51.32
49213_9213	49213	9213	-2117.61	-21.573	5.076	0.035	-83.047	51.32
49213_9214	49213	9214	2117.612	37.887	-5.076	-0.035	52.592	-229.705
49214_9214	49214	9214	-2117.68	-56.006	-6.833	-2.922	-52.592	229.721
49214_9215	49214	9215	2117.676	77.731	6.833	2.922	107.193	-764.026
49215_9215	49215	9215	-2117.69	-77.731	-1.566	-1.022	-107.193	764.031
49215_9216	49215	9216	2117.686	99.483	1.566	1.022	119.725	-1472.94
49216_9216	49216	9216	-2117.68	-99.483	3.727	2.66	-119.725	1472.94
49216_9217	49216	9217	2117.683	121.236	-3.727	-2.66	89.906	-2355.92
49217_9217	49217	9217	-2117.64	-141.317	11.074	-11.748	-89.906	2356.111
49217_9218	49217	9218	2117.635	162.391	-11.074	11.748	4.073	-3533.15
49218_9218	49218	9218	-2117.58	-162.391	19.268	1.924	-4.073	3533.165
49218_9219	49218	9219	2117.576	183.467	-19.268	-1.924	-145.287	-4873.65
49219_9219	49219	9219	-2117.57	-183.467	20.131	6.376	145.287	5133.227
49219_9220	49219	9220	2117.568	211.118	-20.131	-6.376	-336.569	-7007.92
49220_9220	49220	9220	-5.282	458.11	-3.216	-29.224	25.891	24526.38
49220_9221	49220	9221	10.229	-416.267	3.216	29.224	14.575	-19028.7
49221_9221	49221	9221	-21.794	415.823	-3.029	31.405	-20.811	19028.73
49221_9222	49221	9222	25.367	-376.201	3.029	-31.405	58.84	-14058.5
49222_9222	49222	9222	-37.22	352.039	4.832	-1.447	-55.799	14060.27
49222_9223	49222	9223	39.703	-311.851	-4.832	1.447	-8.333	-9656.38
49223_9223	49223	9223	-54.639	218.048	1.735	-1.76	-32.367	-1947.28
49223_9224	49223	9224	55.684	-186.789	-1.735	1.76	11.974	4326.142
49224_9224	49224	9224	-59.987	167.513	0.837	11.361	-12.158	-4326.85
49224_9225	49224	9225	60.239	-145.746	-0.837	-11.361	5.247	5620.045
49225_9225	49225	9225	-61.919	145.039	1.045	-7.624	-5.115	-5628.68
49225_9226	49225	9226	61.919	-105.451	-1.045	7.624	-10.023	7442.592
49226_9226	49226	9226	-61.935	86.525	0.263	11.346	10.023	-7443.44
49226_9227	49226	9227	61.935	-55.441	-0.263	-11.346	-13.016	8250.646
49227_9227	49227	9227	-61.934	55.441	0.426	-10.395	13.016	-8250.65
49227_9228	49227	9228	61.934	-24.352	-0.426	10.395	-17.865	8704.4
49228_9228	49228	9228	-61.936	5.912	0.252	10.891	17.865	-8704.77
49228_9229	49228	9229	61.936	25.156	-0.252	-10.891	-20.733	8595.406
49229_9229	49229	9229	-61.935	-25.156	0.416	-11.762	20.733	-8595.4
49229_9230	49229	9230	61.935	56.228	-0.416	11.762	-25.457	8132.837
49230_9230	49230	9230	-61.938	-75.479	1.626	11.191	25.457	-8132.49
49230_9231	49230	9231	61.938	108.392	-1.626	-11.191	-45.039	7025.493
49231_9231	49231	9231	-61.934	-108.392	1.769	-5.019	45.039	-7025.5
49231_9232	49231	9232	61.934	132.93	-1.769	5.019	-60.922	5942.342
49232_9232	49232	9232	-61.188	-133.272	2.001	-27.627	60.769	-5942.28
49232_9233	49232	9233	61.14	141.854	-2.001	27.627	-66.927	5519.062
49233_9233	49233	9233	-58.797	-161.832	-4.341	4.557	67.179	-5518.91
49233_9234	49233	9234	58.284	188.514	4.341	-4.557	-25.797	3849.317
49234_9234	49234	9234	-54.801	-189.559	-4.178	-6.061	25.494	-3849.32
49234_9235	49234	9235	54.014	210.415	4.178	6.061	5.392	2371.104
49235_9235	49235	9235	-50.771	-211.224	-3.993	-13.072	-5.863	-2371.08
49235_9236	49235	9236	49.653	232.241	3.993	13.072	30.755	988.86
49236_9236	49236	9236	-44.37	-251.662	6.075	-6.79	-30.572	-988.785
49236_9237	49236	9237	41.967	285.607	-6.075	6.79	-29.385	-1661.73
49237_9237	49237	9237	-28.801	-302.825	5.702	0.22	133.576	4313.461
49237_9238	49237	9238	25.714	336.39	-5.702	-0.22	-187.033	-7309.12

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49238_9238	49238	9238	-15.898	-361.296	-4.835	-13.937	185.832	7308.278
49238_9239	49238	9239	12.162	394.592	4.835	13.937	-142.356	-10706.1
49239_9239	49239	9239	-6.69	-394.724	-4.72	5.687	144.877	10706.08
49239_9240	49239	9240	4.797	409.711	4.72	-5.687	-126.262	-12292.1
49240_9240	49240	9240	-1632.18	256.762	15.798	14.755	679.751	2701.095
49240_9241	49240	9241	1632.181	-235.718	-15.798	-14.755	-779.775	-1142.05
49241_9241	49241	9241	-1629.8	187.942	-34.128	-0.59	779.775	1141.318
49241_9242	49241	9242	1629.802	-177.437	34.128	0.59	-671.906	-563.89
49242_9242	49242	9242	-1629.87	177.437	-30.981	0.499	671.906	563.89
49242_9243	49242	9243	1629.865	-137.006	30.981	-0.499	-289.17	1378.397
49243_9243	49243	9243	-1629.94	137.006	-26.666	-3.15	289.17	-1378.39
49243_9244	49243	9244	1629.941	-107.604	26.666	3.15	-49.601	2477.172
49244_9244	49244	9244	-1629.67	83.143	-30.343	6.138	49.601	-2476.49
49244_9245	49244	9245	1629.674	-48.935	30.343	-6.138	267.551	3166.747
49245_9245	49245	9245	-1629.75	48.935	-25.814	-2.661	-267.551	-3166.75
49245_9246	49245	9246	1629.752	-18.926	25.814	2.661	504.256	3477.877
49246_9246	49246	9246	-1630.19	3.06	-9.974	6.357	-504.256	-3477.19
49246_9247	49246	9247	1630.19	31.462	9.974	-6.357	609.471	3327.386
49247_9247	49247	9247	-1630.21	-31.462	-4.537	-4.741	-609.471	-3327.39
49247_9248	49247	9248	1630.214	61.194	4.537	4.741	650.692	2906.511
49248_9248	49248	9248	-1630.27	-78.682	0.836	2.514	-650.692	-2906.13
49248_9249	49248	9249	1630.272	109.736	-0.836	-2.514	642.757	2012.216
49249_9249	49249	9249	-1630.27	-109.736	4.824	-2.408	-642.757	-2012.22
49249_9250	49249	9250	1630.265	142.903	-4.824	2.408	593.871	732.027
49250_9250	49250	9250	-1630.42	-160.053	19.933	-2.503	-593.871	-731.959
49250_9251	49250	9251	1630.419	192.378	-19.933	2.503	396.996	-1008.53
49251_9251	49251	9251	-1630.37	-192.378	23.929	-0.032	-396.996	1008.531
49251_9252	49251	9252	1630.365	224.283	-23.929	0.032	163.719	-3039.52
49252_9252	49252	9252	-1629.95	-253.27	2.423	-64.084	-163.719	3038.391
49252_9253	49252	9253	1629.949	263.61	-2.423	64.084	156.063	-3854.92
49253_9253	49253	9253	-1629.94	-263.61	5.453	-56.918	-156.063	3855.032
49253_9254	49253	9254	1629.942	295.187	-5.453	56.918	104.253	-6509.44
49254_9254	49254	9254	-4.76	360.133	-28.7	67.68	109.433	16868.63
49254_9255	49254	9255	10.007	-315.519	28.7	-67.68	232.736	-12843.3
49255_9255	49255	9255	-22.142	272.906	22.193	-16.261	-222.688	12841.93
49255_9256	49255	9256	25.698	-234.604	-22.193	16.261	-14.37	-10132.7
49256_9256	49256	9256	-31.194	233.921	22.36	19.14	11.517	10132.68
49256_9257	49256	9257	33.826	-195.713	-22.36	-19.14	-257.682	-7768.76
49257_9257	49257	9257	-38.391	168.921	-9.668	-10.25	259.265	7768.637
49257_9258	49257	9258	39.237	-152.57	9.668	10.25	-212.821	-6996.47
49258_9258	49258	9258	-41.834	151.883	-9.589	-2.199	212.211	6996.494
49258_9259	49258	9259	42.838	-123.016	9.589	2.199	-115.289	-5607.52
49259_9259	49259	9259	-45.12	122.207	-9.464	10.516	114.986	5607.516
49259_9260	49259	9260	45.432	-103.144	9.464	-10.516	-51.315	-4849.55
49260_9260	49260	9260	-123.782	126.882	0.255	24.092	-7.643	-4730.88
49260_9261	49260	9261	123.834	-117.691	-0.255	-24.092	6.837	5118.125
49261_9261	49261	9261	-124.496	116.988	0.65	8.049	-6.7	-5086.63
49261_9262	49261	9262	124.496	-84.244	-0.65	-8.049	-0.747	6239.809
49262_9262	49262	9262	-124.494	84.244	1.042	-11.629	0.747	-6239.8
49262_9263	49262	9263	124.494	-56.041	-1.042	11.629	-11.038	6932.207
49263_9263	49263	9263	-124.493	33.732	1.197	7.434	11.038	-6932.69
49263_9264	49263	9264	124.493	-0.177	-1.197	-7.434	-25.102	7131.82
49264_9264	49264	9264	-124.49	0.177	1.422	-5.447	25.102	-7131.82

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49264_9265	49264	9265	124.49	32.146	-1.422	5.447	-41.194	6950.978
49265_9265	49265	9265	-124.503	-52.952	0.911	5.263	41.194	-6951.71
49265_9266	49265	9266	124.503	86.568	-0.911	-5.263	-51.918	6130.883
49266_9266	49266	9266	-124.501	-86.568	1.124	-5.182	51.918	-6130.88
49266_9267	49266	9267	124.501	118.835	-1.124	5.182	-64.607	4970.956
49267_9267	49267	9267	-124.49	-139.757	1.899	2.592	64.607	-4971.68
49267_9268	49267	9268	124.49	158.865	-1.899	-2.592	-77.307	3973.053
49268_9268	49268	9268	-124.489	-158.865	1.969	0.359	77.307	-3973.05
49268_9269	49268	9269	124.489	178.091	-1.969	-0.359	-90.556	2839.315
49269_9269	49269	9269	-122.235	-179.643	2.166	-5.835	90.49	-2870.86
49269_9270	49269	9270	121.859	209.518	-2.166	5.835	-111.366	995.87
49270_9270	49270	9270	-116.719	-232.293	-3.145	-6.084	111.287	-996.053
49270_9271	49270	9271	115.599	264.768	3.145	6.084	-78.642	-1582.85
49271_9271	49271	9271	-110.27	-267.034	-2.927	-4.609	78.671	1571.126
49271_9272	49271	9272	108.671	296.324	2.927	4.609	-54.796	-3868.73
49272_9272	49272	9272	-104.434	-297.847	-2.633	3.7	55.351	3868.722
49272_9273	49272	9273	103.135	316.679	2.633	-3.7	-41.763	-5454.45
49273_9273	49273	9273	-95.044	-340.429	7.046	-26.531	39.241	5455.443
49273_9274	49273	9274	91.116	385.21	-7.046	26.531	-123.364	-9784.99
49274_9274	49274	9274	-80.562	-387.546	7.512	6.478	126.786	9784.977
49274_9275	49274	9275	74.6	439.278	-7.512	-6.478	-225.515	-15215.2
49275_9275	49275	9275	-1740.81	90.342	-46.824	1.187	1033.149	1279.423
49275_9276	49275	9276	1740.812	-73.312	46.824	-1.187	-804.516	-879.88
49276_9276	49276	9276	-1740.86	73.312	-44.818	2.201	804.516	879.878
49276_9277	49276	9277	1740.864	-57.199	44.818	-2.201	-597.468	-578.413
49277_9277	49277	9277	-1740.94	57.199	-41.974	-0.537	597.468	731.176
49277_9278	49277	9278	1740.935	-27.3	41.974	0.537	-210.808	-341.984
49278_9278	49278	9278	-2618.6	234.428	-28.314	-11.418	297.332	7219.924
49278_9279	49278	9279	2618.596	-197.842	28.314	11.418	22.855	-4775.81
49279_9279	49279	9279	-2618.69	197.842	-17.1	9.034	-22.855	4775.818
49279_9280	49279	9280	2618.694	-160.141	17.1	-9.034	222.117	-2690.1
49280_9280	49280	9280	-2619.13	136.59	-24.557	-3.156	-222.117	2690.608
49280_9281	49280	9281	2619.132	-98.707	24.557	3.156	509.659	-1313.05
49281_9281	49281	9281	-2619.21	98.707	-14.013	2.13	-509.659	1313.057
49281_9282	49281	9282	2619.21	-60.07	14.013	-2.13	677.006	-365.003
49282_9282	49282	9282	-2619.36	35.622	-11.228	-0.455	-677.006	365.095
49282_9283	49282	9283	2619.357	0.928	11.228	0.455	816.305	-149.881
49283_9283	49283	9283	-2619.38	-0.928	1.306	0.262	-816.305	149.881
49283_9284	49283	9284	2619.381	34.029	-1.306	-0.262	801.633	-346.262
49284_9284	49284	9284	-2618.12	-68.286	53.264	-2.214	-801.633	346.341
49284_9285	49284	9285	2618.117	98.122	-53.264	2.214	262.209	-1188.98
49285_9285	49285	9285	-2617.95	-98.122	61.009	1.304	-262.209	1188.983
49285_9286	49285	9286	2617.948	125.751	-61.009	-1.304	-309.956	-2238.76
49286_9286	49286	9286	-2617.88	-160.838	-9.999	-34.755	309.956	2238.856
49286_9287	49286	9287	2617.877	172.694	9.999	34.755	-269.716	-2909.99
49287_9287	49287	9287	-2617.87	-172.694	-11.492	-35.406	269.716	2680.255
49287_9288	49287	9288	2617.871	202.976	11.492	35.406	-160.565	-4464.34
49288_9288	49288	9288	35.192	772.129	-23.313	55.501	-43.869	24258.54
49288_9289	49288	9289	-30.918	-733.05	23.313	-55.501	293.856	-16190.2
49289_9289	49289	9289	2.989	632.541	18.704	-14.451	-285.842	16194.07
49289_9290	49289	9290	0.353	-590.988	-18.704	14.451	63.216	-8914.26
49290_9290	49290	9290	-18.199	590.704	18.825	10.091	-64.756	8914.25
49290_9291	49290	9291	20.159	-551.503	-18.825	-10.091	-153.592	-2291.2

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49291_9291	49291	9291	-32.975	510.924	-12.289	6.796	153.769	2291.354
49291_9292	49291	9292	33.396	-497.118	12.289	-6.796	-102.787	-200.415
49292_9292	49292	9292	-41.934	496.474	-12.162	4.359	102.897	205.206
49292_9293	49292	9293	42.245	-473.274	12.162	-4.359	-5.459	3679.514
49293_9293	49293	9293	-48.482	472.678	-12.062	-3.214	5.518	-3679.52
49293_9294	49293	9294	48.488	-449.613	12.062	3.214	90.79	7361.367
49294_9294	49294	9294	-48.323	409.603	-1.303	35.898	-90.791	-7362.49
49294_9295	49294	9295	48.323	-398.026	1.303	-35.898	96.013	8980.9
49295_9295	49295	9295	-48.327	398.026	-1.14	5.693	-96.013	-8980.97
49295_9296	49295	9296	48.327	-363.993	1.14	-5.693	107.63	12861.99
49296_9296	49296	9296	-48.33	363.993	-1.028	-24.308	-107.63	-12862
49296_9297	49296	9297	48.33	-336.388	1.028	24.308	116.121	15755.27
49297_9297	49297	9297	-38.22	332.823	1.496	28.447	-23.777	-9884.37
49297_9298	49297	9298	38.22	-294.619	-1.496	-28.447	6.583	13489.85
49298_9298	49298	9298	-38.214	294.619	1.626	-17.44	-6.583	-13489.9
49298_9299	49298	9299	38.214	-259.118	-1.626	17.44	-10.782	16446.71
49299_9299	49299	9299	-38.237	221.857	0.581	37.814	10.782	-16449.1
49299_9300	49299	9300	38.237	-185.954	-0.581	-37.814	-17.061	18651.35
49300_9300	49300	9300	-38.235	185.954	0.705	-22.437	17.061	-18651.4
49300_9301	49300	9301	38.235	-143.384	-0.705	22.437	-26.088	20760.14
49301_9301	49301	9301	-38.268	105.582	-0.807	46.195	26.088	-20762.8
49301_9302	49301	9302	38.268	-66.164	0.807	-46.195	-16.525	21781.08
49302_9302	49302	9302	-38.271	66.164	-0.657	-38.761	16.525	-21781.1
49302_9303	49302	9303	38.271	-27.086	0.657	38.761	-8.799	22329.21
49303_9303	49303	9303	-38.261	-10.293	-0.026	36.147	8.799	-22332.4
49303_9304	49303	9304	38.261	52.049	0.026	-36.147	-8.472	21940.89
49304_9304	49304	9304	-38.261	-52.049	0.102	-37.404	8.472	-21940.9
49304_9305	49304	9305	38.261	88.758	-0.102	37.404	-9.601	21163.42
49305_9305	49305	9305	-38.267	-125.251	-0.103	41.794	9.601	-21166.1
49305_9306	49305	9306	38.267	161.986	0.103	-41.794	-8.467	19579.06
49306_9306	49306	9306	-38.268	-161.986	0.053	-37.911	8.467	-19579.1
49306_9307	49306	9307	38.268	203.714	-0.053	37.911	-9.134	17283.81
49307_9307	49307	9307	-38.26	-236.957	0.51	15.157	9.134	-17286
49307_9308	49307	9308	38.26	276.486	-0.51	-15.157	-15.203	14233.32
49308_9308	49308	9308	-38.259	-276.486	0.609	-21.603	15.203	-14233.3
49308_9309	49308	9309	38.259	315.388	-0.609	21.603	-22.332	10770.08
49309_9309	49309	9309	-38.314	-345.986	-2.105	4.38	22.332	-10771.3
49309_9310	49309	9310	38.314	385.69	2.105	-4.38	2.811	6401.783
49310_9310	49310	9310	-38.32	-385.69	-1.977	-16.992	-2.811	-6401.76
49310_9311	49310	9311	38.32	424.43	1.977	16.992	25.853	1681.279
49311_9311	49311	9311	-38.134	-443.572	7.794	-13.213	-25.853	-1681.41
49311_9312	49311	9312	38.134	454.6	-7.794	13.213	0	191.678

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1	2	3	4	5	6	7	8	9	14
9000_9000	9000	9000	55.598	391.984	4.224	8.355	0	-375.809	1
9000_9001	9000	9001	-35.782	-364.248	-4.224	-8.355	-35.059	3422.916	1
9001_9001	9001	9001	35.794	364.244	4.234	4.218	35.059	-3422.93	1
9001_9002	9001	9002	-17.059	-334.522	-4.234	-4.218	-72.714	6444.117	1
9002_9002	9002	9002	17.067	320.721	-3.972	12.179	72.714	-6444.12	1
9002_9003	9002	9003	6.261	-280.342	3.972	-12.179	-24.716	9968.299	1
9003_9003	9003	9003	-6.272	280.336	-3.96	-4.001	24.716	-9968.3	1
9003_9004	9003	9004	24.838	-239.933	3.96	4.001	23.161	13028.26	1
9004_9004	9004	9004	-24.837	218.377	0.803	15.355	-23.161	-13028.3	1
9004_9005	9004	9005	39.426	-178.011	-0.803	-15.355	13.466	15355.55	1
9005_9005	9005	9005	-39.424	178.006	0.815	-9.872	-13.466	-15355.6	1
9005_9006	9005	9006	49.249	-137.616	-0.815	9.872	3.616	17218.22	1
9006_9006	9006	9006	-49.248	115.878	0.309	8.489	-3.616	-17218.2	1
9006_9007	9006	9007	56.737	-75.493	-0.309	-8.489	-0.12	18340.65	1
9007_9007	9007	9007	-56.737	75.488	0.315	-5.686	0.12	-18340.7	1
9007_9008	9007	9008	59.452	-35.107	-0.315	5.686	-3.925	18997	1
9008_9008	9008	9008	-59.452	13.076	-0.145	-1.203	3.925	-18997	1
9008_9009	9008	9009	60.192	27.326	0.145	1.203	-2.171	18908.17	1
9009_9009	9009	9009	-60.192	-27.331	-0.146	0.688	2.171	-18908.2	1
9009_9010	9009	9010	56.159	67.699	0.146	-0.688	-0.409	18353.59	1
9010_9010	9010	9010	-56.159	-90.823	0.865	11.656	0.409	-18353.6	1
9010_9011	9010	9011	50.128	131.216	-0.865	-11.656	-10.863	17040.33	1
9011_9011	9011	9011	-50.127	-131.221	0.876	-14.62	10.863	-17040.3	1
9011_9012	9011	9012	39.323	171.606	-0.876	14.62	-21.455	15261.28	1
9012_9012	9012	9012	-39.323	-193.901	0.574	7.259	21.455	-15261.3	1
9012_9013	9012	9013	26.238	234.281	-0.574	-7.259	-28.395	12735.62	1
9013_9013	9013	9013	-26.238	-234.286	0.586	-12.198	28.395	-12735.6	1
9013_9014	9013	9014	8.385	274.658	-0.586	12.198	-35.474	9744.699	1
9014_9014	9014	9014	-8.382	-296.147	0.561	1.978	35.474	-9744.7	1
9014_9015	9014	9015	-18.93	348.095	-0.561	-1.978	-44.19	4864.577	1
9015_9015	9015	9015	17.542	-346.951	0.392	-5.759	41.287	-4826.92	1
9015_9016	9015	9016	-37.987	372.916	-0.392	5.768	-44.525	1934.754	1
9016_9016	9016	9016	62.327	-393.136	-3.363	-4.186	62.974	-2013.81	1
9016_9017	9016	9017	-91.139	430.395	3.363	4.203	-23.417	-2704.7	1.06
9017_9017	9017	9017	103.182	-428.515	-3.347	1.033	23.657	2703.936	1.06
9017_9018	9017	9018	-131.173	473.361	3.347	-1.004	20.783	-8540.59	1.02
9018_9018	9018	9018	146.168	-493.166	4.28	-13.254	-22.073	8540.793	1.02
9018_9019	9018	9019	-165.796	537.453	-4.28	13.183	-31.632	-14858.8	1.01
9019_9019	9019	9019	180.332	-534.646	4.292	9.729	34.053	14859.54	1.01
9019_9020	9019	9020	-194.426	581.558	-4.292	-9.808	-88.098	-21733.8	1
9020_9020	9020	9020	-2103.44	181.276	-25.175	-3.215	543.461	3956.03	1
9020_9021	9020	9021	2123.201	-150.572	25.175	3.215	-304.233	-2458.82	1
9021_9021	9021	9021	-2118.47	150.479	-20.427	1.967	306.012	2435.525	1
9021_9022	9021	9022	2132.906	-127.59	20.427	-1.967	-147.93	-1417.65	1
9022_9022	9022	9022	-2132.89	127.579	-22.528	0.637	147.93	1417.646	1
9022_9023	9022	9023	2145.147	-104.628	22.528	-0.637	26.888	-566.035	1
9023_9023	9023	9023	-2145.21	85.616	-4.708	-0.194	-26.888	566.026	1
9023_9024	9023	9024	2155.364	-61.956	4.708	0.194	64.554	-16.624	1
9024_9024	9024	9024	-2155.36	61.945	-4.708	-0.194	-64.554	16.624	1
9024_9025	9024	9025	2163.159	-38.285	4.708	0.194	102.219	352.904	1
9025_9025	9025	9025	-2163.16	34.893	-2.073	-0.48	-102.219	-352.903	1
9025_9026	9025	9026	2166.197	-11.237	2.073	0.48	118.8	525.168	1
9026_9026	9026	9026	-2166.2	-5.36	-4.881	0.003	-118.8	-525.16	1
9026_9027	9026	9027	2167.307	23.095	4.881	-0.003	148.067	435.371	1
9027_9027	9027	9027	-2167.31	-23.104	-0.981	-0.523	-148.067	-435.371	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9027_9028	9027	9028	2167.098	40.865	0.981	0.523	153.961	244.158	1
9028_9028	9028	9028	-2167.1	-40.874	-1.364	-0.506	-153.961	-244.158	1
9028_9029	9028	9029	2165.557	58.606	1.364	0.506	162.141	-47.852	1
9029_9029	9029	9029	-2165.56	-58.614	-0.981	-0.473	-162.141	47.852	1
9029_9030	9029	9030	2162.686	76.376	0.981	0.473	168.035	-441.628	1
9030_9030	9030	9030	-2162.69	-93.223	1.516	-1.5	-168.035	441.625	1
9030_9031	9030	9031	2157.31	116.869	-1.516	1.5	155.914	-1259.85	1
9031_9031	9031	9031	-2157.31	-116.881	1.516	-1.5	-155.914	1259.851	1
9031_9032	9031	9032	2149.578	140.528	-1.516	1.5	143.792	-2257.76	1
9032_9032	9032	9032	-2149.57	-140.54	4.433	1.651	-143.792	2257.754	1
9032_9033	9032	9033	2139.472	164.213	-4.433	-1.651	108.311	-3436.75	1
9033_9033	9033	9033	-2139.43	-182.897	15.713	-5.272	-108.311	3436.782	1
9033_9034	9033	9034	2127.379	205.825	-15.713	5.272	-13.5	-4895.01	1
9034_9034	9034	9034	-2127.38	-205.836	15.713	-5.272	13.5	4895.011	1
9034_9035	9034	9035	2113.108	228.765	-15.713	5.272	-135.311	-6522.17	1
9035_9035	9035	9035	-2118.61	-228.862	20.698	9.82	133.996	6549.185	1
9035_9036	9035	9036	2099.127	259.556	-20.698	-9.82	-330.616	-8790.7	1.02
9036_9036	9036	9036	174.413	496.635	-3.222	-26.636	47.387	27766.93	1.02
9036_9037	9036	9037	-164.248	-449.729	3.222	26.582	-6.85	-21942.4	1.02
9037_9037	9037	9037	151.984	451.926	-3.136	25.32	1.451	21941.71	1.02
9037_9038	9037	9038	-137.318	-407.584	3.136	-25.368	37.915	-16671.9	1.02
9038_9038	9038	9038	124.902	389.832	2.215	-3.925	-35.329	16671.9	1.02
9038_9039	9038	9039	-103.292	-344.978	-2.215	3.963	5.931	-11922.8	1.03
9039_9039	9039	9039	534.668	340.516	1.141	4.754	-10.314	9555.763	1.03
9039_9040	9039	9040	-520.239	-303.011	-1.141	-4.763	-3.105	-5931.16	1.04
9040_9040	9040	9040	513.735	284.122	0.333	0.324	3.294	5932.14	1.04
9040_9041	9040	9041	-483.106	-258.221	-0.333	-0.322	-6.039	-3850.51	1.06
9041_9041	9041	9041	553.67	259.966	0.381	0.534	4.278	3492.45	1.06
9041_9042	9041	9042	-469.595	-216.749	-0.381	-0.534	-10.031	-256.334	1
9042_9042	9042	9042	469.596	196.039	-0.158	2.417	10.031	256.328	1
9042_9043	9042	9043	-408.652	-162.075	0.158	-2.417	-8.15	1603.373	1
9043_9043	9043	9043	408.652	162.08	-0.116	-1.718	8.15	-1603.37	1
9043_9044	9043	9044	-353.407	-128.147	0.116	1.718	-6.778	3080.925	1
9044_9044	9044	9044	353.406	103.61	-0.077	3.016	6.778	-3080.92	1
9044_9045	9044	9045	-305.464	-69.653	0.077	-3.016	-5.868	3894.234	1
9045_9045	9045	9045	305.464	69.659	-0.029	-2.622	5.868	-3894.23	1
9045_9046	9045	9046	-263.174	-35.705	0.029	2.622	-5.519	4326.742	1
9046_9046	9046	9046	263.174	14.322	0.003	2.525	5.519	-4326.74	1
9046_9047	9046	9047	-224.049	19.627	-0.003	-2.525	-5.558	4114.813	1
9047_9047	9047	9047	224.048	-19.621	0.051	-2.56	5.558	-4114.81	1
9047_9048	9047	9048	-190.572	53.567	-0.051	2.56	-6.158	3522.33	1
9048_9048	9048	9048	190.572	-74.754	0.149	1.231	6.158	-3522.33	1
9048_9049	9048	9049	-160.325	108.696	-0.149	-1.231	-7.927	2288.33	1
9049_9049	9049	9049	160.325	-108.69	0.196	-1.671	7.927	-2288.33	1
9049_9050	9049	9050	-135.724	142.629	-0.196	1.671	-10.258	674.015	1
9050_9050	9050	9050	135.722	-162.839	-0.177	-0.853	10.258	-674.009	1
9050_9051	9050	9051	-109.939	206.097	0.177	0.853	-7.577	-2251.19	1.13
9051_9051	9051	9051	110.098	-204.947	-0.095	0.946	7.888	2262.486	1.13
9051_9052	9051	9052	-100.076	229.183	0.095	-0.94	-7.104	-4110.89	1.06
9052_9052	9052	9052	105.756	-247.452	-1.076	-1.25	7.057	4111.527	1.06
9052_9053	9052	9053	-95.045	282.375	1.076	1.235	5.589	-7302.33	1.03
9053_9053	9053	9053	89.128	-280.973	-2.277	0.464	3.403	7376.992	1.03
9053_9054	9053	9054	-90.713	325.312	2.277	-0.435	26.83	-11422.9	1.03
9054_9054	9054	9054	101.683	-343.24	2.256	-7.448	-27.585	11424.75	1.03
9054_9055	9054	9055	-108.482	386.822	-2.256	7.412	-0.732	-15996.6	1.01
9055_9055	9055	9055	119.132	-383.9	2.3	5.937	2.095	15999.52	1.01

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9055_9056	9055	9056	-129.422	429.781	-2.3	-5.979	-31.048	-21081.7	1
9056_9056	9056	9056	-1801.78	243.09	-18.997	-5.157	334.804	6216.032	1
9056_9057	9056	9057	1828.278	-212.724	18.997	5.157	-154.356	-4162.12	1
9057_9057	9057	9057	-1829.22	212.717	-15.464	3.05	155.606	4131.69	1
9057_9058	9057	9058	1848.632	-188.396	15.464	-3.05	-35.726	-2658.2	1
9058_9058	9058	9058	-1848.65	188.396	-12.891	6.972	35.726	2658.189	1
9058_9059	9058	9059	1865.96	-164.078	12.891	-6.972	64.203	-1364.97	1
9059_9059	9059	9059	-1865.98	146.274	-4.937	-0.29	-64.203	1364.947	1
9059_9060	9059	9060	1881.634	-121.2	4.937	0.29	103.661	-362.479	1
9060_9060	9060	9060	-1881.64	117.813	-2.257	1.094	-103.661	362.477	1
9060_9061	9060	9061	1892.803	-92.71	2.257	-1.094	121.721	431.324	1
9061_9061	9061	9061	-1892.8	92.711	-2.257	1.094	-121.721	-431.324	1
9061_9062	9061	9062	1901.732	-67.607	2.257	-1.094	139.781	1033.197	1
9062_9062	9062	9062	-1901.73	51.577	0.391	0.517	-139.781	-1033.2	1
9062_9063	9062	9063	1907.339	-32.737	-0.391	-0.517	137.434	1261.047	1
9063_9063	9063	9063	-1907.34	32.737	-3.175	1.105	-137.434	-1261.04	1
9063_9064	9063	9064	1911.682	-13.926	3.175	-1.105	156.47	1380.683	1
9064_9064	9064	9064	-1911.68	13.926	3.479	-0.211	-156.47	-1380.69	1
9064_9065	9064	9065	1914.77	4.881	-3.479	0.211	135.612	1392.564	1
9065_9065	9065	9065	-1914.77	-4.88	0.391	0.347	-135.612	-1392.56	1
9065_9066	9065	9066	1916.61	23.72	-0.391	-0.347	133.265	1296.451	1
9066_9066	9066	9066	-1916.61	-39.686	2.099	0.024	-133.265	-1296.46	1
9066_9067	9066	9067	1917.631	64.782	-2.099	-0.024	116.477	870.66	1
9067_9067	9067	9067	-1917.63	-64.782	4.593	0.324	-116.477	-870.662	1
9067_9068	9067	9068	1916.413	89.876	-4.593	-0.324	79.74	253.104	1
9068_9068	9068	9068	-1916.41	-89.875	4.593	0.324	-79.74	-253.104	1
9068_9069	9068	9069	1912.967	114.97	-4.593	-0.324	43.003	-556.245	1
9069_9069	9069	9069	-1912.93	-132.411	15.255	-3.354	-43.003	556.26	1
9069_9070	9069	9070	1907.53	156.717	-15.255	3.354	-75.181	-1658.47	1
9070_9070	9070	9070	-1907.53	-156.716	15.428	-3.111	75.181	1658.469	1
9070_9071	9070	9071	1900.019	181.053	-15.428	3.111	-194.859	-2942.37	1
9071_9071	9071	9071	-1898.18	-181.064	18.935	4.478	195.596	2969.771	1
9071_9072	9071	9072	1886.144	211.436	-18.935	-4.478	-375.479	-4790.39	1
9072_9072	9072	9072	82.26	464.989	-2.204	-11.685	41.599	19277.38	1
9072_9073	9072	9073	-47.938	-419.413	2.204	11.64	-13.863	-13874.6	1
9073_9073	9073	9073	36.432	422.054	-2.113	14.669	11.111	13872.57	1
9073_9074	9073	9074	2.612	-378.807	2.113	-14.709	15.426	-8991.73	1
9074_9074	9074	9074	-14.197	363.61	2.429	1.814	-14.175	8990.505	1
9074_9075	9074	9075	56.581	-319.633	-2.429	-1.77	-18.063	-4588.72	1
9075_9075	9075	9075	382.973	315.472	1.28	0.788	4.102	2178.078	1
9075_9076	9075	9076	-363.74	-281.121	-1.28	-0.794	-19.154	1193.012	1
9076_9076	9076	9076	357.664	264.559	-0.377	2.419	19.147	-1192.44	1
9076_9077	9076	9077	-331.255	-240.772	0.377	-2.417	-16.035	3152.724	1
9077_9077	9077	9077	302.953	239.397	-0.391	-0.384	18.385	-3115.05	1
9077_9078	9077	9078	-259.673	-197.825	0.391	0.384	-13.028	5916.633	1
9078_9078	9078	9078	259.674	180.204	-0.228	5.602	13.028	-5916.65	1
9078_9079	9078	9079	-227.694	-146.379	0.228	-5.602	-10.485	7592.893	1
9079_9079	9079	9079	227.694	146.389	-0.177	-3.557	10.485	-7592.89	1
9079_9080	9079	9080	-200.135	-112.535	0.177	3.557	-8.509	8911.775	1
9080_9080	9080	9080	200.135	94.164	-0.103	0.684	8.509	-8911.77	1
9080_9081	9080	9081	-174.901	-60.314	0.103	-0.684	-7.363	9657.366	1
9081_9081	9081	9081	174.901	60.324	-0.103	0.684	7.363	-9657.37	1
9081_9082	9081	9082	-154.117	-26.474	0.103	-0.684	-6.218	10044.11	1
9082_9082	9082	9082	154.116	6.963	-0.113	4.378	6.218	-10044.1	1
9082_9083	9082	9083	-134.01	29.433	0.113	-4.378	-4.856	9813.61	1
9083_9083	9083	9083	134.009	-29.422	-0.071	-4.192	4.856	-9813.61	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9083_9084	9083	9084	-119.058	65.787	0.071	4.192	-4.005	9169.011	1
9084_9084	9084	9084	119.059	-85.372	0.024	3.434	4.005	-9169.02	1
9084_9085	9084	9085	-107.19	119.214	-0.024	-3.434	-4.277	7967.397	1
9085_9085	9085	9085	107.19	-119.204	0.073	-4.275	4.277	-7967.4	1
9085_9086	9085	9086	-99.77	153.045	-0.073	4.275	-5.087	6407.168	1
9086_9086	9086	9086	99.769	-171.898	-0.057	1.204	5.087	-6407.16	1
9086_9087	9086	9087	-94.402	205.768	0.057	-1.204	-4.45	4265.54	1
9087_9087	9087	9087	94.401	-205.758	-0.011	-2.718	4.45	-4265.54	1
9087_9088	9087	9088	-93.487	239.596	0.011	2.718	-4.327	1767.164	1
9088_9088	9088	9088	93.485	-257.292	-0.199	-1.721	4.327	-1767.15	1
9088_9089	9088	9089	-95.901	297.257	0.199	1.721	-1.709	-1888.38	1
9089_9089	9089	9089	99.855	-296.126	-0.188	-0.364	1.338	1913.656	1
9089_9090	9089	9090	-103.915	321.116	0.188	0.37	0.218	-4454.31	1.03
9090_9090	9090	9090	111.51	-341.765	-0.414	-6.31	-0.424	4454.802	1.03
9090_9091	9090	9091	-121.11	377.645	0.414	6.291	5.288	-8654.61	1.02
9091_9091	9091	9091	120.933	-375.263	-1.408	3.498	0.848	8713.11	1.02
9091_9092	9091	9092	-135.064	419.238	1.408	-3.47	17.845	-13929.6	1.01
9092_9092	9092	9092	148.538	-436.505	1.307	-24.363	-20.266	13931.08	1.01
9092_9093	9092	9093	-160.538	479.795	-1.307	24.305	3.855	-19616.5	1.01
9093_9093	9093	9093	173.645	-476.145	1.44	23.18	1.02	19619.21	1.01
9093_9094	9093	9094	-184.531	521.774	-1.44	-23.246	-19.149	-25822.6	1.01
9094_9094	9094	9094	-2071.03	217.054	-13.84	-4.237	205.068	6873.653	1.01
9094_9095	9094	9095	2092.421	-186.915	13.84	4.237	-73.626	-5042.65	1
9095_9095	9095	9095	-2094.46	186.984	-10.298	3.806	72.575	5052.508	1
9095_9096	9095	9096	2109.038	-162.957	10.298	-3.806	7.293	-3755.23	1
9096_9096	9096	9096	-2109.04	162.962	-10.405	3.614	-7.293	3755.232	1
9096_9097	9096	9097	2121.601	-138.966	10.405	-3.614	87.888	-2637.59	1
9097_9097	9097	9097	-2121.64	121.063	1.905	-1.663	-87.888	2637.547	1
9097_9098	9097	9098	2132.44	-96.262	-1.905	1.663	72.638	-1812.35	1
9098_9098	9098	9098	-2132.44	96.267	4.579	1.047	-72.638	1812.345	1
9098_9099	9098	9099	2141.094	-71.498	-4.579	-1.047	36.027	-1177.82	1
9099_9099	9099	9099	-2141.09	71.503	4.676	1.121	-36.027	1177.816	1
9099_9100	9099	9100	2147.628	-46.704	-4.676	-1.121	-1.407	-732.333	1
9100_9100	9100	9100	-2147.61	31.68	-0.747	-0.642	1.407	732.324	1
9100_9101	9100	9101	2151.439	-13.081	0.747	0.642	3.078	-614.409	1
9101_9101	9101	9101	-2151.44	13.085	-0.87	-0.711	-3.078	614.409	1
9101_9102	9101	9102	2154.061	5.483	0.87	0.711	8.294	-603.262	1
9102_9102	9102	9102	-2154.06	-5.479	-0.747	-0.641	-8.294	603.262	1
9102_9103	9102	9103	2155.487	24.078	0.747	0.641	12.779	-698.847	1
9103_9103	9103	9103	-2155.49	-24.074	2.949	1.681	-12.779	698.846	1
9103_9104	9103	9104	2155.711	42.672	-2.949	-1.681	-4.923	-901.256	1
9104_9104	9104	9104	-2155.73	-57.621	-5.808	-2.182	4.923	901.265	1
9104_9105	9104	9105	2154.607	82.387	5.808	2.182	41.506	-1457.98	1
9105_9105	9105	9105	-2154.61	-82.382	-2.949	0.636	-41.506	1457.978	1
9105_9106	9105	9106	2151.36	107.178	2.949	-0.636	65.109	-2205.15	1
9106_9106	9106	9106	-2151.36	-107.172	-3.032	0.526	-65.109	2205.147	1
9106_9107	9106	9107	2145.98	131.937	3.032	-0.526	89.348	-3140.92	1
9107_9107	9107	9107	-2145.95	-149.535	9.243	-3.256	-89.348	3140.959	1
9107_9108	9107	9108	2138.719	173.555	-9.243	3.256	17.684	-4366.12	1
9108_9108	9108	9108	-2138.72	-173.55	9.243	-3.256	-17.684	4366.124	1
9108_9109	9108	9109	2129.483	197.57	-9.243	3.256	-53.981	-5769.49	1
9109_9109	9109	9109	-2129.34	-197.517	11.54	3.261	54.115	5768.827	1
9109_9110	9109	9110	2114.794	227.677	-11.54	-3.261	-163.784	-7733.17	1.01
9110_9110	9110	9110	146.737	511.292	-1.497	-17.293	17.101	26744.43	1.01
9110_9111	9110	9111	-124.015	-465.821	1.497	17.24	1.741	-20733.6	1.01
9111_9111	9111	9111	110.987	465.495	-1.387	18.22	-5.378	20731.51	1.01

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9111_9112	9111	9112	-85.635	-422.361	1.387	-18.267	22.788	-15275.7	1.02
9112_9112	9112	9112	72.755	406.215	1.622	-1.754	-21.009	15274.8	1.02
9112_9113	9112	9113	-42.313	-362.42	-1.622	1.786	-0.508	-10290.8	1.03
9113_9113	9113	9113	428.907	359.788	0.907	4.375	2.252	8159.527	1.03
9113_9114	9113	9114	-413.519	-323.853	-0.907	-4.38	-12.919	-4272.2	1.05
9114_9114	9114	9114	406.539	307.145	-0.126	1.006	13.037	4272.984	1.05
9114_9115	9114	9115	-380.252	-282.25	0.126	-1.006	-11.998	-1966.7	1.1
9115_9115	9115	9115	429.222	283.808	-0.112	0.648	11.603	1589.413	1.1
9115_9116	9115	9116	-367.691	-244.421	0.112	-0.648	-10.064	1753.226	1
9116_9116	9116	9116	367.694	226.111	-0.222	6.902	10.064	-1753.24	1
9116_9117	9116	9117	-321.512	-194.051	0.222	-6.902	-7.582	3887.976	1
9117_9117	9117	9117	321.512	194.065	-0.101	-5.848	7.582	-3887.97	1
9117_9118	9117	9118	-280.11	-161.977	0.101	5.848	-6.448	5686.959	1
9118_9118	9118	9118	280.11	143.279	-0.438	8.747	6.448	-5686.96	1
9118_9119	9118	9119	-240.997	-111.22	0.438	-8.747	-1.561	6927.338	1
9119_9119	9119	9119	240.997	111.234	-0.317	-8.048	1.561	-6927.34	1
9119_9120	9119	9120	-206.67	-79.147	0.317	8.048	1.98	7831.215	1
9120_9120	9120	9120	206.669	59.994	-0.025	8.256	-1.98	-7831.23	1
9120_9121	9120	9121	-172.067	-25.552	0.025	-8.256	2.282	8182.638	1
9121_9121	9121	9121	172.067	25.568	0.087	-8.226	-2.282	-8182.64	1
9121_9122	9121	9122	-142.998	8.902	-0.087	8.226	1.236	8144.751	1
9122_9122	9122	9122	142.999	-28.172	-0.233	11.148	-1.236	-8144.75	1
9122_9123	9122	9123	-117.725	60.258	0.233	-11.148	3.84	7530.151	1
9123_9123	9123	9123	117.724	-60.244	-0.053	-11.718	-3.84	-7530.15	1
9123_9124	9123	9124	-97.272	92.329	0.053	11.718	4.437	6577.892	1
9124_9124	9124	9124	97.272	-113.624	-0.286	4.449	-4.437	-6577.9	1
9124_9125	9124	9125	-82.104	145.68	0.286	-4.449	7.633	5053.434	1
9125_9125	9125	9125	82.103	-145.665	-0.166	-5.452	-7.633	-5053.44	1
9125_9126	9125	9126	-71.74	177.75	0.166	5.452	9.487	3190.117	1
9126_9126	9126	9126	71.739	-194.329	0.592	-0.148	-9.487	-3190.11	1
9126_9127	9126	9127	-62.363	232.789	-0.592	0.148	1.554	275.144	1.06
9127_9127	9127	9127	65.964	-231.76	0.658	-0.791	-1.902	-261.413	1.06
9127_9128	9127	9128	-63.332	254.927	-0.658	0.797	-3.524	-1767.8	1.06
9128_9128	9128	9128	69.407	-270.198	-3.189	-4.69	3.386	1768.54	1.06
9128_9129	9128	9129	-69.379	303.587	3.189	4.665	34.104	-5169.44	1.06
9129_9129	9129	9129	71.051	-301.14	-4.986	7.23	-38.114	5207.607	1.06
9129_9130	9129	9130	-82.567	343.956	4.986	-7.185	104.309	-9472.84	1.03
9130_9130	9130	9130	95.157	-377.91	9.36	-5.834	-105.493	9475.097	1.03
9130_9131	9130	9131	-119.062	420.094	-9.36	5.741	-11.978	-14385.8	1.03
9131_9131	9131	9131	130.464	-416.565	9.417	6.129	13.245	14389.04	1.03
9131_9132	9131	9132	-151.316	461.129	-9.417	-6.233	-131.873	-19809.2	1.03
9132_9132	9132	9132	-1674.21	209.404	3.463	2.361	-25.785	5272.431	1.03
9132_9133	9132	9133	1697.574	-180.019	-3.463	-2.361	-7.109	-3517.95	1
9133_9133	9133	9133	-1700.4	179.93	1.001	-2.644	7.839	3531.693	1
9133_9134	9133	9134	1718.12	-157.683	-1.001	2.644	-15.594	-2296.08	1
9134_9134	9134	9134	-1718.11	157.692	3.41	0.798	15.594	2296.078	1
9134_9135	9134	9135	1733.537	-135.445	-3.41	-0.798	-42.018	-1223.69	1
9135_9135	9135	9135	-1733.54	116.447	0.372	-0.919	42.018	1223.685	1
9135_9136	9135	9136	1746.607	-93.483	-0.372	0.919	-44.991	-438.155	1
9136_9136	9136	9136	-1746.61	93.492	2.705	0.393	44.991	438.155	1
9136_9137	9136	9137	1757.228	-70.528	-2.705	-0.393	-66.634	173.449	1
9137_9137	9137	9137	-1757.23	70.537	2.705	0.393	66.634	-173.449	1
9137_9138	9137	9138	1765.41	-47.572	-2.705	-0.393	-88.277	611.129	1
9138_9138	9138	9138	-1765.41	30.881	-4.609	-0.218	88.277	-611.134	1
9138_9139	9138	9139	1770.414	-13.657	4.609	0.218	-60.622	723.198	1
9139_9139	9139	9139	-1770.42	13.664	-1.497	-0.006	60.622	-723.199	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9139_9140	9139	9140	1774.052	3.559	1.497	0.006	-51.637	737.43	1
9140_9140	9140	9140	-1774.05	-3.553	-1.497	-0.006	51.637	-737.43	1
9140_9141	9140	9141	1776.312	20.776	1.497	0.006	-42.652	653.828	1
9141_9141	9141	9141	-1776.31	-20.769	-4.609	-0.479	42.652	-653.828	1
9141_9142	9141	9142	1777.195	37.992	4.609	0.479	-14.997	472.393	1
9142_9142	9142	9142	-1777.2	-57.782	-1.612	-0.118	14.997	-472.388	1
9142_9143	9142	9143	1774.482	80.746	1.612	0.118	-2.099	-73.023	1
9143_9143	9143	9143	-1774.48	-80.737	-3.946	-1.442	2.099	73.023	1
9143_9144	9143	9144	1769.319	103.701	3.946	1.442	29.468	-792.358	1
9144_9144	9144	9144	-1769.32	-103.692	-1.612	0.785	-29.468	792.358	1
9144_9145	9144	9145	1761.723	126.657	1.612	-0.785	42.366	-1685.62	1
9145_9145	9145	9145	-1761.72	-143.015	2.133	0.817	-42.366	1685.617	1
9145_9146	9145	9146	1752.064	165.262	-2.133	-0.817	25.832	-2843.79	1
9146_9146	9146	9146	-1752.06	-165.253	-0.276	-4.081	-25.832	2843.793	1
9146_9147	9146	9147	1740.117	187.5	0.276	4.081	27.969	-4165.2	1
9147_9147	9147	9147	-1731.75	-187.569	2.119	2.437	-28.032	4124.389	1
9147_9148	9147	9148	1714.482	216.952	-2.119	-2.437	7.905	-5979.27	1
9148_9148	9148	9148	110.947	420.162	0.221	0.238	-20.757	20545.63	1
9148_9149	9148	9149	-84.648	-375.801	-0.221	-0.278	17.98	-15663.3	1
9149_9149	9149	9149	74.342	378.782	0.221	0.77	-17.965	15660.82	1
9149_9150	9149	9150	-44.106	-336.782	-0.221	-0.806	15.196	-11288.7	1
9150_9150	9150	9150	33.877	325.491	-0.71	0.234	-15.107	11287.18	1
9150_9151	9150	9151	-0.492	-282.827	0.71	-0.225	24.525	-7358.18	1
9151_9151	9151	9151	479.535	278.372	0.171	0.654	-13.972	4741.487	1
9151_9152	9151	9152	-462.062	-244.475	-0.171	-0.63	11.956	-1816.27	1
9152_9152	9152	9152	456.826	230.31	0.389	-1.765	-11.915	1816.768	1
9152_9153	9152	9153	-426.493	-206.864	-0.389	1.762	8.704	-157.433	1
9153_9153	9153	9153	452.825	208.807	0.314	1.137	-8.541	18.125	1
9153_9154	9153	9154	-386.408	-170.759	-0.314	-1.137	4.229	2310.437	1
9154_9154	9154	9154	386.412	152.795	-0.071	3.147	-4.229	-2310.46	1
9154_9155	9154	9155	-337.281	-122.357	0.071	-3.147	5.007	3614.993	1
9155_9155	9155	9155	337.281	122.377	-0.002	-2.825	-5.007	-3614.99	1
9155_9156	9155	9156	-293.261	-91.939	0.002	2.825	5.031	4605.23	1
9156_9156	9156	9156	293.262	73.951	0.076	3.645	-5.031	-4605.24	1
9156_9157	9156	9157	-255.349	-46.28	-0.076	-3.645	4.274	5043.247	1
9157_9157	9157	9157	255.349	46.298	0.151	-3.57	-4.274	-5043.25	1
9157_9158	9157	9158	-221.66	-18.627	-0.151	3.57	2.763	5221.509	1
9158_9158	9158	9158	221.66	1.248	0.01	3.14	-2.763	-5221.51	1
9158_9159	9158	9159	-189.787	26.423	-0.01	-3.14	2.662	4956.37	1
9159_9159	9159	9159	189.787	-26.404	0.085	-3.306	-2.662	-4956.37	1
9159_9160	9159	9160	-162.137	54.075	-0.085	3.306	1.808	4431.482	1
9160_9160	9160	9160	162.135	-71.685	0.182	-0.198	-1.808	-4431.48	1
9160_9161	9160	9161	-134	102.096	-0.182	0.198	-0.195	3350.739	1
9161_9161	9161	9161	134	-105.399	0.182	-0.201	0.195	-3350.74	1
9161_9162	9161	9162	-114.73	135.838	-0.182	0.201	-2.2	1933.332	1
9162_9162	9162	9162	114.726	-151.996	-0.038	-0.17	2.2	-1933.31	1
9162_9163	9162	9163	-94.714	190.044	0.038	0.17	-1.677	-515.551	1.01
9163_9163	9163	9163	98.056	-188.828	-0.116	-0.526	1.807	510.351	1.01
9163_9164	9163	9164	-90.228	212.303	0.116	0.53	-0.853	-2209.22	1.01
9164_9164	9164	9164	95.361	-226.302	0.254	1.393	0.908	2210.021	1.01
9164_9165	9164	9165	-88.176	260.107	-0.254	-1.399	-3.896	-5125.92	1.01
9165_9165	9165	9165	84.249	-257.117	-0.886	-2.971	10.43	5187.98	1.01
9165_9166	9165	9166	-88.525	299.637	0.886	3.007	1.333	-8907.58	1.01
9166_9166	9166	9166	98.347	-311.75	0.499	-5.862	-1.678	8909.966	1.01
9166_9167	9166	9167	-108.099	353.583	-0.499	5.817	-4.584	-13086.2	1.01
9167_9167	9167	9167	117.854	-349.673	0.562	5.421	5.753	13089.7	1.01

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9167_9168	9167	9168	-131.109	393.8	-0.562	-5.472	-12.834	-17748.4	1
9168_9168	9168	9168	-1508.01	218.456	-2.457	-1.029	36.886	5176.8	1
9168_9169	9168	9169	1533.917	-189.269	2.457	1.029	-13.544	-3345.23	1
9169_9169	9169	9169	-1538.13	189.208	-0.691	2.694	14.677	3365.739	1
9169_9170	9169	9170	1557.498	-166.889	0.691	-2.694	-9.323	-2064.81	1
9170_9170	9170	9170	-1557.5	166.902	-2.965	-0.473	9.323	2064.809	1
9170_9171	9170	9171	1574.476	-144.583	2.965	0.473	13.659	-927.233	1
9171_9171	9171	9171	-1574.47	127.158	1.463	0.702	-13.659	927.233	1
9171_9172	9171	9172	1589.289	-104.119	-1.463	-0.702	1.954	-62.984	1
9172_9172	9172	9172	-1589.29	104.132	-0.74	-0.159	-1.954	62.984	1
9172_9173	9172	9173	1601.551	-81.093	0.74	0.159	7.876	627.202	1
9173_9173	9173	9173	-1601.55	81.106	1.463	-0.038	-7.876	-627.201	1
9173_9174	9173	9174	1611.26	-58.067	-1.463	0.038	-3.829	1143.322	1
9174_9174	9174	9174	-1611.26	41.209	0.857	-0.182	3.829	-1143.33	1
9174_9175	9174	9175	1617.345	-23.929	-0.857	0.182	-8.974	1313.064	1
9175_9175	9175	9175	-1617.34	23.94	-2.08	0.568	8.974	-1313.06	1
9175_9176	9175	9176	1621.995	-6.66	2.08	-0.568	3.508	1384.886	1
9176_9176	9176	9176	-1622	6.67	0.857	-0.222	-3.508	-1384.89	1
9176_9177	9176	9177	1625.212	10.609	-0.857	0.222	-1.637	1358.799	1
9177_9177	9177	9177	-1625.21	-10.599	0.857	-0.222	1.637	-1358.8	1
9177_9178	9177	9178	1626.992	27.879	-0.857	0.222	-6.782	1234.799	1
9178_9178	9178	9178	-1626.99	-44.712	-1.885	-0.011	6.782	-1234.79	1
9178_9179	9178	9179	1627.758	67.751	1.885	0.011	8.295	779.91	1
9179_9179	9179	9179	-1627.76	-67.738	0.319	0.283	-8.295	-779.911	1
9179_9180	9179	9180	1625.972	90.777	-0.319	-0.283	5.746	150.967	1
9180_9180	9180	9180	-1625.97	-90.763	-1.885	-0.821	-5.746	-150.967	1
9180_9181	9180	9181	1621.633	113.803	1.885	0.821	20.823	-652.042	1
9181_9181	9181	9181	-1621.63	-130.847	3.226	1.011	-20.823	652.04	1
9181_9182	9181	9182	1614.928	153.166	-3.226	-1.011	-4.177	-1727.86	1
9182_9182	9182	9182	-1614.93	-156.495	3.226	1.011	4.177	1727.856	1
9182_9183	9182	9183	1603.311	178.815	-3.226	-1.011	-29.177	-2982.93	1
9183_9183	9183	9183	-1593.55	-178.846	1.315	-3.218	28.651	2935.291	1
9183_9184	9183	9184	1576.249	208.03	-1.315	3.218	-41.147	-4706.29	1.02
9184_9184	9184	9184	97.793	400.156	-0.916	-5.699	5.574	17125.86	1.02
9184_9185	9184	9185	-64.532	-356.263	0.916	5.653	5.963	-12480.9	1.03
9185_9185	9185	9185	54.708	360.219	-0.85	6.361	-7.187	12478.01	1.03
9185_9186	9185	9186	-18.26	-318.67	0.85	-6.403	17.852	-8324.02	1.04
9186_9186	9186	9186	8.432	307.288	1.199	0.441	-17.264	8322.255	1.04
9186_9187	9186	9187	28.906	-265.038	-1.199	-0.404	1.352	-4616.29	1.08
9187_9187	9187	9187	422.663	262.199	0.154	0.673	-6.196	2148.85	1.08
9187_9188	9187	9188	-405.049	-227.751	-0.154	-0.674	4.384	598.953	1.08
9188_9188	9188	9188	400.138	212.493	0.17	-2.252	-4.337	-598.196	1.08
9188_9189	9188	9189	-372.639	-188.629	-0.17	2.256	2.934	2123.521	1
9189_9189	9189	9189	387.264	190.829	0.129	2.287	-3.065	-2129.31	1
9189_9190	9189	9190	-330.739	-150.625	-0.129	-2.287	1.287	4243.931	1
9190_9190	9190	9190	330.743	132.076	-0.008	-3.511	-1.287	-4243.95	1
9190_9191	9190	9191	-289.296	-99.913	0.008	3.511	1.378	5347.909	1
9191_9191	9191	9191	289.295	99.934	-0.075	4.128	-1.378	-5347.91	1
9191_9192	9191	9192	-252.867	-67.771	0.075	-4.128	2.204	6117.496	1
9192_9192	9192	9192	252.869	48.913	-0.014	4.379	-2.204	-6117.5	1
9192_9193	9192	9193	-222.218	-19.82	0.014	-4.379	2.341	6329.917	1
9193_9193	9193	9193	222.218	19.839	0.06	-4.21	-2.341	-6329.92	1
9193_9194	9193	9194	-195.675	9.254	-0.06	4.21	1.744	6268.747	1
9194_9194	9194	9194	195.676	-27.799	-0.004	3.524	-1.744	-6268.75	1
9194_9195	9194	9195	-171.215	56.892	0.004	-3.524	1.785	5741.441	1
9195_9195	9195	9195	171.215	-56.873	0.07	-3.74	-1.785	-5741.44	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9195_9196	9195	9196	-150.879	85.937	-0.07	3.74	1.093	4941.494	1
9196_9196	9196	9196	150.876	-105.09	0.068	1.642	-1.093	-4941.48	1
9196_9197	9196	9197	-131.098	137.253	-0.068	-1.642	0.344	3519.158	1
9197_9197	9197	9197	131.097	-137.232	0.135	-2.278	-0.344	-3519.16	1
9197_9198	9197	9198	-116.338	169.395	-0.135	2.278	-1.138	1762.462	1
9198_9198	9198	9198	116.326	-191.103	0.026	-0.67	1.138	-1762.42	1
9198_9199	9198	9199	-107.172	231.336	-0.026	0.67	-1.493	-1196.44	1.03
9199_9199	9199	9199	109.307	-229.87	0.097	0.218	1.606	1168.962	1.03
9199_9200	9199	9200	-107.051	254.635	-0.097	-0.211	-2.405	-3190.98	1.03
9200_9200	9200	9200	113.261	-270.712	-0.971	-0.803	2.379	3192.052	1.03
9200_9201	9200	9201	-113.895	306.351	0.971	0.77	9.04	-6610.19	1.03
9201_9201	9201	9201	116.604	-302.422	-3.025	-0.437	-1.11	6646.649	1.03
9201_9202	9201	9202	-129.448	348.311	3.025	0.489	41.265	-10944.4	1.02
9202_9202	9202	9202	140.964	-363.406	2.635	5.229	-40.852	10947.54	1.02
9202_9203	9202	9203	-155.387	408.427	-2.635	-5.275	7.774	-15755.2	1.01
9203_9203	9203	9203	166.605	-403.625	2.573	-8.152	-9.24	15759.7	1.01
9203_9204	9203	9204	-181.839	450.946	-2.573	8.101	-23.149	-21087.9	1.01
9204_9204	9204	9204	-1800.06	237.008	-12.447	-3.083	241.773	6202.982	1.01
9204_9205	9204	9205	1824.048	-205.41	12.447	3.083	-123.53	-4201.4	1
9205_9205	9205	9205	-1824.95	205.37	-10.326	2.995	124.777	3982.088	1
9205_9206	9205	9206	1842.606	-181.081	10.326	-2.995	-44.752	-2556.23	1
9206_9206	9206	9206	-1842.61	181.094	-10.326	2.995	44.752	2556.232	1
9206_9207	9206	9207	1857.973	-156.805	10.326	-2.995	35.272	-1309.41	1
9207_9207	9207	9207	-1858.01	137.105	-3.121	-0.704	-35.272	1309.412	1
9207_9208	9207	9208	1871.363	-112.033	3.121	0.704	60.241	-367.426	1
9208_9208	9208	9208	-1871.36	112.047	-0.534	0.736	-60.241	367.426	1
9208_9209	9208	9209	1882.276	-86.974	0.534	-0.736	64.509	383.785	1
9209_9209	9209	9209	-1882.27	86.988	2.054	1.362	-64.509	-383.787	1
9209_9210	9209	9210	1890.745	-61.916	-2.054	-1.362	48.077	944.223	1
9210_9210	9210	9210	-1890.71	44.207	-5.25	0.444	-48.077	-944.232	1
9210_9211	9210	9211	1895.817	-25.403	5.25	-0.444	79.578	1131.646	1
9211_9211	9211	9211	-1895.82	25.413	-1.8	0.265	-79.578	-1131.65	1
9211_9212	9211	9212	1899.555	-6.608	1.8	-0.265	90.379	1211.751	1
9212_9212	9212	9212	-1899.56	6.619	1.65	0.032	-90.379	-1211.75	1
9212_9213	9212	9213	1901.915	12.186	-1.65	-0.032	80.48	1184.541	1
9213_9213	9213	9213	-1901.91	-12.176	5.1	-0.091	-80.48	-1184.54	1
9213_9214	9213	9214	1902.897	30.981	-5.1	0.091	49.88	1050.012	1
9214_9214	9214	9214	-1902.96	-48.389	-6.702	-2.332	-49.88	-1050.01	1
9214_9215	9214	9215	1902.634	73.431	6.702	2.332	103.434	563.116	1
9215_9215	9215	9215	-1902.64	-73.418	-1.554	-0.817	-103.434	-563.117	1
9215_9216	9215	9216	1899.877	98.492	1.554	0.817	115.863	-115.079	1
9216_9216	9216	9216	-1899.87	-98.478	3.621	2.44	-115.863	115.077	1
9216_9217	9216	9217	1894.666	123.553	-3.621	-2.44	86.893	-984.11	1
9217_9217	9217	9217	-1894.62	-143.45	11.181	-10.952	-86.893	984.229	1
9217_9218	9217	9218	1887.224	167.743	-11.181	10.952	0.226	-2162.35	1
9218_9218	9218	9218	-1887.17	-167.729	19.192	1.969	-0.226	2162.357	1
9218_9219	9218	9219	1877.479	192.023	-19.192	-1.969	-148.54	-3519.67	1
9219_9219	9219	9219	-1871.88	-195.406	20.031	6.318	148.602	3722.076	1
9219_9220	9219	9220	1854.078	227.008	-20.031	-6.318	-338.94	-5657.74	1
9220_9220	9220	9220	170.607	443.056	-3.052	-27.307	23.633	20463.07	1
9220_9221	9220	9221	-142.985	-395.989	3.052	27.27	14.766	-15288.2	1
9221_9221	9221	9221	131.981	401.316	-2.866	29.723	-20.646	15284.54	1
9221_9222	9221	9222	-101.839	-356.537	2.866	-29.756	56.634	-10622	1.01
9222_9222	9222	9222	90.48	338.053	4.611	-0.854	-53.774	10621.06	1.01
9222_9223	9222	9223	-59.642	-292.416	-4.611	0.891	-7.419	-6520.17	1.01
9223_9223	9223	9223	481.706	290.901	2.131	2.828	-25.958	4157.961	1.01

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9223_9224	9223	9224	-463.525	-254.662	-2.131	-2.871	0.911	-1091.7	1.04
9224_9224	9224	9224	457.811	236.168	0.459	8.771	-0.914	1093.24	1.04
9224_9225	9224	9225	-430.963	-211.012	-0.459	-8.761	-2.879	622.143	1
9225_9225	9225	9225	404.755	213.959	0.632	-5.773	3.653	-446.287	1
9225_9226	9225	9226	-352.308	-168.364	-0.632	5.773	-12.808	2991.869	1
9226_9226	9226	9226	352.365	148.128	0.283	9.541	12.808	-2992.21	1
9226_9227	9226	9227	-316.946	-112.328	-0.283	-9.541	-16.021	4321.472	1
9227_9227	9227	9227	316.947	112.349	0.443	-8.706	16.021	-4321.47	1
9227_9228	9227	9228	-286.533	-76.544	-0.443	8.706	-21.055	5263.84	1
9228_9228	9228	9228	286.534	58.13	0.112	9.672	21.055	-5264.03	1
9228_9229	9228	9229	-260.352	-22.349	-0.112	-9.672	-22.33	5606.692	1
9229_9229	9229	9229	260.351	22.37	0.272	-10.155	22.33	-5606.69	1
9229_9230	9229	9230	-239.168	13.417	-0.272	10.155	-25.425	5562.736	1
9230_9230	9230	9230	239.126	-32.475	2.576	10.17	25.425	-5562.49	1
9230_9231	9230	9231	-221.329	70.382	-2.576	-10.17	-56.445	4861.435	1
9231_9231	9231	9231	221.349	-70.362	2.716	-4.118	56.445	-4861.48	1
9231_9232	9231	9232	-211.733	98.623	-2.716	4.118	-80.829	4056.513	1.03
9232_9232	9232	9232	214.848	-97.576	3.458	-24.911	91.546	-4068.51	1.03
9232_9233	9232	9233	-211.886	107.44	-3.458	24.919	-102.185	3738.363	1.02
9233_9233	9233	9233	213.879	-126.684	-7.122	3.597	102.396	-3737.85	1.02
9233_9234	9233	9234	-205.057	157.392	7.122	-3.739	-34.508	2337.581	1.02
9234_9234	9234	9234	207.949	-153.915	-6.964	-5.717	34.253	-2336.79	1.02
9234_9235	9234	9235	-201.479	177.959	6.964	5.506	17.222	1071.608	1.01
9235_9235	9235	9235	199.121	-175.211	-8.013	-10.5	-23.071	-1043.59	1.01
9235_9236	9235	9236	-197.175	198.934	8.013	10.231	73.013	-141.855	1.01
9236_9236	9236	9236	201.63	-215.388	11.941	-5.693	-72.959	143.495	1.01
9236_9237	9236	9237	-201.625	253.653	-11.941	6.471	-44.836	-2479.08	1.01
9237_9237	9237	9237	158.627	-250.562	12.094	2.312	103.091	2790.728	1.01
9237_9238	9237	9238	-167.573	288.151	-12.094	-1.352	-216.39	-5313.51	1.01
9238_9238	9238	9238	177.046	-306.971	-7.896	-12.36	215.328	5315.36	1.01
9238_9239	9238	9239	-186.264	344.129	7.896	11.872	-144.376	-8238.88	1
9239_9239	9239	9239	191.006	-341.131	-7.784	6.252	146.729	8241.821	1
9239_9240	9239	9240	-195.4	357.812	7.784	-6.476	-116.063	-9616.54	1
9240_9240	9240	9240	-1322.46	287.433	13.174	12.258	648.898	2489.138	1
9240_9241	9240	9241	1333.471	-263.732	-13.174	-12.258	-732.305	-788.949	1
9241_9241	9241	9241	-1331.58	221.38	-32.134	-0.573	732.305	789.037	1
9241_9242	9241	9242	1337.565	-209.548	32.134	0.573	-630.74	-132.307	1
9242_9242	9242	9242	-1335.54	209.542	-29.201	0.721	632.515	122.256	1
9242_9243	9242	9243	1356.077	-163.931	29.201	-0.721	-271.772	2100.941	1
9243_9243	9243	9243	-1356.14	163.948	-25.063	-2.755	271.772	-2100.98	1
9243_9244	9243	9244	1367.875	-130.779	25.063	2.755	-46.606	3376.709	1
9244_9244	9244	9244	-1367.52	109.861	-29.781	6.561	46.606	-3376.1	1
9244_9245	9244	9245	1380.236	-71.27	29.781	-6.561	264.676	4270.279	1
9245_9245	9245	9245	-1380.31	71.286	-25.439	-2.414	-264.676	-4270.3	1
9245_9246	9245	9246	1388.463	-37.431	25.439	2.414	497.935	4734.661	1
9246_9246	9246	9246	-1388.89	21.868	-9.578	6.889	-497.935	-4733.86	1
9246_9247	9246	9247	1395.142	17.078	9.578	-6.889	598.971	4732.393	1
9247_9247	9247	9247	-1395.16	-17.062	-4.364	-4.806	-598.971	-4732.41	1
9247_9248	9247	9248	1397.575	50.603	4.364	4.806	638.621	4413.855	1
9248_9248	9248	9248	-1397.63	-67.369	1.056	3.172	-638.621	-4413.37	1
9248_9249	9248	9249	1397.718	102.402	-1.056	-3.172	628.598	3605.896	1
9249_9249	9249	9249	-1397.71	-102.387	4.88	-2.41	-628.598	-3605.89	1
9249_9250	9249	9250	1394.485	139.804	-4.88	2.41	579.14	2389.683	1
9250_9250	9250	9250	-1394.61	-156.159	19.63	-1.759	-579.14	-2389.51	1
9250_9251	9250	9251	1388.645	192.626	-19.63	1.759	385.253	688.966	1
9251_9251	9251	9251	-1388.6	-192.61	23.462	-0.143	-385.253	-688.966	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9251_9252	9251	9252	1379.516	228.604	-23.462	0.143	156.524	-1329.87	1
9252_9252	9252	9252	-1379.16	-256.204	3.132	-61.435	-156.524	1328.88	1
9252_9253	9252	9253	1376.029	267.869	-3.132	61.435	146.63	-2144.85	1
9253_9253	9253	9253	-1373.73	-267.855	6.02	-54.969	-146.815	2133.872	1
9253_9254	9253	9254	1362.25	303.414	-6.02	54.969	89.618	-4803.49	1.01
9254_9254	9254	9254	169.706	336.247	-27.423	65.624	104.82	12298.69	1.01
9254_9255	9254	9255	-146.012	-286.713	27.423	-65.908	222.157	-8643.34	1.02
9255_9255	9255	9255	134.72	250.591	21.571	-13.408	-212.619	8638.57	1.02
9255_9256	9255	9256	-113.151	-207.905	-21.571	13.518	-17.809	-6235.26	1.03
9256_9256	9256	9256	108.241	212.384	21.74	16.922	15.368	6233.048	1.03
9256_9257	9256	9257	-87.466	-169.647	-21.74	-16.829	-254.715	-4168.14	1.03
9257_9257	9257	9257	83.396	148.337	-9.57	-7.542	255.989	4166.933	1.03
9257_9258	9257	9258	-74.924	-129.998	9.57	7.537	-210.013	-3513.51	1.04
9258_9258	9258	9258	30.473	133.35	-9.525	-1.848	210.19	3737.31	1.04
9258_9259	9258	9259	-15.478	-100.348	9.525	1.842	-113.911	-2578.19	1.04
9259_9259	9259	9259	13.588	102.863	-9.4	9.441	113.651	2577.538	1.04
9259_9260	9259	9260	-9.228	-81.009	9.4	-9.443	-50.416	-1961.01	1.04
9260_9260	9260	9260	390.257	60.425	-0.338	17.873	6.625	103.133	1.04
9260_9261	9260	9261	-397.796	-49.91	0.338	-17.87	-5.555	105.375	1
9261_9261	9261	9261	414.375	51.397	0.13	5.624	2.937	-292.461	1
9261_9262	9261	9262	-442.617	-13.912	-0.13	-5.624	-4.43	805.332	1
9262_9262	9262	9262	442.616	13.934	0.471	-9.43	4.43	-805.33	1
9262_9263	9262	9263	-471.157	18.351	-0.471	9.43	-9.075	920.708	1
9263_9263	9263	9263	471.191	-43.765	0.962	4.876	9.075	-920.691	1
9263_9264	9263	9264	-511.254	82.179	-0.962	-4.876	-20.369	371.135	1
9264_9264	9264	9264	511.255	-82.155	1.156	-4.78	20.369	-371.132	1
9264_9265	9264	9265	-555.071	119.157	-1.156	4.78	-33.452	-562.539	1
9265_9265	9265	9265	555.115	-141.571	0.717	2.655	33.452	562.718	1
9265_9266	9265	9266	-606.322	180.054	-0.717	-2.655	-41.888	-2217.08	1
9266_9266	9266	9266	606.323	-180.03	0.901	-4.125	41.888	2217.08	1
9266_9267	9266	9267	-660.69	216.968	-0.901	4.125	-52.062	-4208.67	1
9267_9267	9267	9267	660.81	-241.047	1.785	-0.883	52.062	4209.487	1
9267_9268	9267	9268	-696.088	262.922	-1.785	0.883	-63.997	-5733	1
9268_9268	9268	9268	696.09	-262.908	1.845	-1.737	63.997	5733.007	1
9268_9269	9268	9269	-733.392	284.916	-1.845	1.737	-76.414	-7405.8	1.05
9269_9269	9269	9269	664.899	-281.03	1.971	-3.131	72.259	7939.205	1.05
9269_9270	9269	9270	-695.123	314.913	-1.971	3.125	-91.255	-10650.6	1.05
9270_9270	9270	9270	702.474	-331.49	-2.965	-11.689	90.902	10651.68	1.05
9270_9271	9270	9271	-702.77	368.57	2.965	11.705	-60.131	-14190.9	1.05
9271_9271	9271	9271	610.369	-364.389	-2.745	-2.648	53.156	14776.86	1.05
9271_9272	9271	9272	-596.481	397.557	2.745	2.664	-30.763	-17858.5	1.03
9272_9272	9272	9272	602.011	-393.406	-2.523	20.817	32.413	17858.03	1.03
9272_9273	9272	9273	-588.803	414.8	2.523	-20.809	-19.39	-19939.6	1.02
9273_9273	9273	9273	598.969	-437.714	4.647	-38.399	14.527	19942.63	1.02
9273_9274	9273	9274	-563.778	488.633	-4.647	37.959	-70.043	-25474.8	1.02
9274_9274	9274	9274	577.11	-484.323	4.998	22.866	76.28	25475.1	1.02
9274_9275	9274	9275	-539.184	542.948	-4.998	-23.446	-142.034	-32235.2	1
9275_9275	9275	9275	-2015.43	346.52	-50.32	-3.473	1068.888	10540.82	1
9275_9276	9275	9276	2059.034	-327.441	50.32	3.473	-823.186	-9078.85	1
9276_9276	9276	9276	-2059.09	327.449	-47.924	1.524	823.186	9078.867	1
9276_9277	9276	9277	2099.62	-309.398	47.924	-1.524	-601.785	-7778.54	1
9277_9277	9277	9277	-2067.8	309.273	-44.352	3.642	601.413	7808.368	1
9277_9278	9277	9278	2151.923	-275.517	44.352	-3.642	-192.85	-5479.07	1
9278_9278	9278	9278	-2445.9	264.728	-26.946	-11.137	248.058	6905.813	1
9278_9279	9278	9279	2463.369	-223.406	26.946	11.137	56.659	-4217.29	1
9279_9279	9279	9279	-2463.45	223.426	-15.793	9.735	-56.659	4217.281	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9279_9280	9279	9280	2476.9	-180.845	15.793	-9.735	240.693	-1917.4	1
9280_9280	9280	9280	-2477.42	154.668	-24.386	-2.84	-240.693	1918.006	1
9280_9281	9280	9281	2485.828	-111.881	24.386	2.84	526.226	-392.301	1
9281_9281	9281	9281	-2485.91	111.901	-13.899	2.335	-526.226	392.3	1
9281_9282	9281	9282	2489.673	-68.263	13.899	-2.335	692.21	667.064	1
9282_9282	9282	9282	-2521.07	49.475	-9.737	0.776	-701.99	-524.106	1
9282_9283	9282	9283	2522.658	-7.693	9.737	-0.776	822.797	870.91	1
9283_9283	9283	9283	-2522.67	7.712	2.733	0.626	-822.797	-870.936	1
9283_9284	9283	9284	2520.193	30.126	-2.733	-0.626	792.091	753.481	1
9284_9284	9284	9284	-2518.93	-68.152	54.878	-1.416	-792.091	-753.465	1
9284_9285	9284	9285	2512.954	102.258	-54.878	1.416	236.315	-86.333	1
9285_9285	9285	9285	-2512.78	-102.243	62.585	1.303	-236.315	86.32	1
9285_9286	9285	9286	2504.547	133.827	-62.585	-1.303	-350.624	-1161.18	1
9286_9286	9286	9286	-2504.47	-168.177	-11.009	-34.865	350.624	1161.248	1
9286_9287	9286	9287	2500.47	181.73	11.009	34.865	-306.321	-1849.68	1
9287_9287	9287	9287	-2498.13	-181.748	-12.521	-35.39	307.297	1619.071	1
9287_9288	9287	9288	2487.025	216.041	12.521	35.39	-188.37	-3465.5	1.01
9288_9288	9288	9288	243.876	797.734	-24.56	57.086	-41.868	22196.64	1.01
9288_9289	9288	9289	-226.478	-753.926	24.56	-56.921	305.205	-13975.6	1.02
9289_9289	9289	9289	197.964	657.159	19.285	-12.897	-297.129	13976.52	1.02
9289_9290	9289	9290	-174.966	-610.41	-19.285	12.826	67.597	-6544.13	1.02
9290_9290	9290	9290	156.62	615.725	19.416	8.918	-68.924	6542.29	1.02
9290_9291	9290	9291	-131.66	-571.512	-19.416	-8.966	-156.271	235.567	1.03
9291_9291	9291	9291	118.433	532.658	-12.78	10.557	156.257	-236.442	1.03
9291_9292	9291	9292	-109.934	-517.07	12.78	-10.548	-103.24	2379.007	1.05
9292_9292	9292	9292	85.915	519.264	-12.517	4.888	102.767	-2301.59	1.05
9292_9293	9292	9293	-68.751	-492.668	12.517	-4.881	-2.48	6280.188	1.08
9293_9293	9293	9293	62.315	494.316	-12.412	-4.364	2.547	-6280.37	1.08
9293_9294	9293	9294	-48.078	-467.871	12.412	4.364	96.549	10054.91	1.08
9294_9294	9294	9294	48.281	429.358	-1.049	38.812	-96.551	-10056.3	1.08
9294_9295	9294	9295	-41.208	-416.085	1.049	-38.812	100.756	11717.46	1
9295_9295	9295	9295	62.612	416.332	-0.774	5.905	-101.788	-11838.1	1
9295_9296	9295	9296	-48.684	-377.953	0.774	-5.905	109.673	15818.16	1
9296_9296	9296	9296	48.686	377.964	-0.652	-26.892	-109.673	-15818.1	1
9296_9297	9296	9297	-39.201	-346.834	0.652	26.892	115.06	18767.92	1
9297_9297	9297	9297	-60.84	312.631	3.443	34.387	-79.574	-18206.6	1
9297_9298	9297	9298	65.956	-269.524	-3.443	-34.387	40.009	21530.83	1
9298_9298	9298	9298	-65.939	269.538	3.606	-25.149	-40.009	-21530.9	1
9298_9299	9298	9299	67.877	-229.48	-3.606	25.149	1.495	24189.28	1
9299_9299	9299	9299	-67.974	195.725	0.924	44.48	-1.495	-24192.6	1
9299_9300	9299	9300	68.995	-155.213	-0.924	-44.48	-8.48	26085.89	1
9300_9300	9300	9300	-68.995	155.229	1.079	-27.345	8.48	-26085.9	1
9300_9301	9300	9301	66.609	-107.194	-1.079	27.345	-22.3	27780.96	1
9301_9301	9301	9301	-66.659	71.363	-0.325	52.731	22.3	-27784.5	1
9301_9302	9301	9302	62.827	-26.886	0.325	-52.731	-18.452	28388.41	1
9302_9302	9302	9302	-62.827	26.901	-0.136	-44.121	18.452	-28388.4	1
9302_9303	9302	9303	55.727	17.193	0.136	44.121	-16.848	28482.35	1
9303_9303	9303	9303	-55.739	-52.086	0.566	40.855	16.848	-28486.4	1
9303_9304	9303	9304	46.609	99.201	-0.566	-40.855	-23.962	27582.94	1
9304_9304	9304	9304	-46.604	-99.186	0.728	-40.993	23.962	-27583	1
9304_9305	9304	9305	35.477	140.607	-0.728	40.993	-32.001	26314.68	1
9305_9305	9305	9305	-35.505	-175.057	0.373	47.012	32.001	-26318	1
9305_9306	9305	9306	23.092	216.506	-0.373	-47.012	-36.118	24216.36	1
9306_9306	9306	9306	-23.092	-216.491	0.569	-40.473	36.118	-24216.4	1
9306_9307	9306	9307	5.467	263.575	-0.569	40.473	-43.258	21290.27	1
9307_9307	9307	9307	-5.494	-295.251	0.267	18.123	43.258	-21292.9	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9307_9308	9307	9308	-13.245	339.854	-0.267	-18.123	-46.432	17608.95	1
9308_9308	9308	9308	13.246	-343.302	0.391	-21.835	46.432	-17609	1
9308_9309	9308	9309	-37.239	387.198	-0.391	21.835	-51.013	13451.46	1
9309_9309	9309	9309	37.006	-419.01	-7.796	6.793	51.013	-13452.8	1
9309_9310	9309	9310	-64.64	463.81	7.796	-6.793	42.1	8315.001	1
9310_9310	9310	9310	64.605	-463.795	-7.634	-16.274	-42.1	-8314.97	1
9310_9311	9310	9311	-94.838	507.507	7.634	16.274	131.068	2801.869	1
9311_9311	9311	9311	96.087	-535.326	39.511	-15.231	-131.068	-2803.04	1
9311_9312	9311	9312	-105.957	547.769	-39.511	15.231	0	1054.482	1
9400_9020	9400	9020	2394.288	-240.389	44.46	1.415	-400.184	-3961.37	1
9400_9401	9400	9401	-2395.34	244.371	-44.46	-1.415	218.318	2969.909	1
9401_9401	9401	9401	2394.314	-239.6	18.823	-0.138	-205.116	-2970.03	1
9401_9402	9401	9402	-2395.22	242.995	-18.823	0.138	139.411	2127.744	1
9402_9402	9402	9402	2400.44	-184.847	14.147	-1	-140.616	-2127.66	1
9402_9403	9402	9403	-2403.53	195.396	-14.147	1	-13.841	51.864	1
9403_9403	9403	9403	2419.006	-123.206	-0.815	-0.706	23.047	-51.838	1
9403_9404	9403	9404	-2421.26	130.106	0.815	0.706	-17.173	-861.375	1
9404_9404	9404	9404	2423.632	-73.726	-2.25	-0.59	17.334	861.372	1
9404_9405	9404	9405	-2426.05	80.575	2.25	0.59	-1.102	-1417.9	1
9405_9405	9405	9405	2441.651	3.185	-0.782	-0.495	11.41	1417.916	1
9405_9406	9405	9406	-2446.96	10.319	0.782	0.495	-0.134	-1469.32	1
9406_9406	9406	9406	2454.768	75.189	-1.369	-0.675	11.272	1469.332	1
9406_9407	9406	9407	-2458.32	-67.016	1.369	0.675	0.851	-839.853	1
9407_9407	9407	9407	2456.428	117.429	-3	-0.112	-0.614	839.853	1
9407_9408	9407	9408	-2458.88	-112.087	3	0.112	17.284	-202.089	1
9408_9408	9408	9408	2435.329	-408.919	-0.689	-3.442	-20.094	202.105	1
9408_9409	9408	9409	-2436.03	412.048	0.689	3.442	22.184	-1445.92	1
9409_9409	9409	9409	2431.87	389.804	-1.426	2.307	-21.935	1447.255	1
9409_9410	9409	9410	-2431.17	-386.686	1.426	-2.307	26.243	-274.595	1
9410_9410	9410	9410	2448.424	-131.028	4.98	-1.549	-22.758	274.609	1
9410_9411	9410	9411	-2445.97	136.369	-4.98	1.549	-4.919	-1017.63	1
9411_9411	9411	9411	2448.249	-86.407	1.026	-0.03	4.182	1017.637	1
9411_9412	9411	9412	-2444.7	94.578	-1.026	0.03	-13.264	-1818.6	1
9412_9412	9412	9412	2434.786	-8.349	0.529	-0.549	2.137	1818.614	1
9412_9413	9412	9413	-2429.48	21.866	-0.529	0.549	-9.765	-2036.51	1
9413_9413	9413	9413	2411.71	60.452	2.09	-0.885	-0.041	2036.506	1
9413_9414	9413	9414	-2409.29	-53.608	-2.09	0.885	-15.024	-1625.35	1
9414_9414	9414	9414	2407.399	109.579	0.347	-0.039	14.609	1625.355	1
9414_9415	9414	9415	-2405.14	-102.685	-0.347	0.039	-17.106	-860.673	1
9415_9415	9415	9415	2384.314	175.006	-7.987	-0.841	7.152	860.686	1
9415_9416	9415	9416	-2381.22	-164.46	7.987	0.841	80.037	992.186	1
9416_9416	9416	9416	2376.438	223.233	-6.836	1.63	-80.165	-992.175	1
9416_9417	9416	9417	-2375.53	-219.832	6.836	-1.63	104.062	1766.653	1
9417_9417	9417	9417	2376.555	225.248	-34.341	-1.646	-113.509	-1766.75	1
9417_9036	9417	9036	-2375.51	-221.261	34.341	1.646	254.135	2680.961	1.02
9420_9056	9420	9056	2049.513	-224.977	34.412	1.404	-215.494	-3904.68	1
9420_9421	9420	9421	-2050.44	228.512	-34.412	-1.404	74.517	2975.759	1
9421_9421	9421	9421	2049.428	-222.685	6.114	0.599	-64.244	-2975.72	1
9421_9422	9421	9422	-2050.23	225.691	-6.114	-0.599	42.916	2193.714	1
9422_9422	9422	9422	2055.058	-176.459	4.536	-0.101	-43.396	-2193.71	1
9422_9423	9422	9423	-2057.8	185.809	-4.536	0.101	-6.138	215.547	1
9423_9423	9423	9423	2075.11	-123.703	-0.38	-0.003	16.267	-215.539	1
9423_9424	9423	9424	-2077.11	129.814	0.38	0.003	-13.527	-697.973	1
9424_9424	9424	9424	2079.566	-81.438	-2.137	0.28	13.734	697.969	1
9424_9425	9424	9425	-2081.71	87.503	2.137	-0.28	1.671	-1307.03	1
9425_9425	9425	9425	2095.002	-16.528	-0.981	0.217	9.89	1307.029	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9425_9426	9425	9426	-2099.7	28.497	0.981	-0.217	4.245	-1631.54	1
9426_9426	9426	9426	2106.147	44.527	0.791	-0.23	7.599	1631.535	1
9426_9427	9426	9427	-2109.3	-37.282	-0.791	0.23	-14.606	-1269.31	1
9427_9427	9427	9427	2108.095	80.339	-1.945	1.091	15.342	1269.302	1
9427_9428	9427	9428	-2110.28	-75.574	1.945	-1.091	-4.528	-835.864	1
9428_9428	9428	9428	2084.13	-369.172	3.462	-0.28	1.151	835.863	1
9428_9429	9428	9429	-2084.75	371.952	-3.462	0.28	-11.61	-1955.4	1
9429_9429	9429	9429	2086.137	376.618	-3.696	0.541	11.552	1957.096	1
9429_9430	9429	9430	-2085.52	-373.838	3.696	-0.541	-0.387	-823.727	1
9430_9430	9430	9430	2107.872	-71.088	1.568	-0.332	3.136	823.721	1
9430_9431	9430	9431	-2105.68	75.854	-1.568	0.332	-11.853	-1232.22	1
9431_9431	9431	9431	2106.792	-32.982	-0.48	0.617	11.327	1232.225	1
9431_9432	9431	9432	-2103.64	40.225	0.48	-0.617	-7.075	-1556.32	1
9432_9432	9432	9432	2092.463	33.258	1.124	0.268	-4.314	1556.308	1
9432_9433	9432	9433	-2087.76	-21.284	-1.124	-0.268	-11.895	-1163.07	1
9433_9433	9433	9433	2068.932	91.563	1.561	0.342	0.58	1163.06	1
9433_9434	9433	9434	-2066.79	-85.5	-1.561	-0.342	-11.833	-525.019	1
9434_9434	9434	9434	2064.187	134.423	0.424	0.357	11.741	525.021	1
9434_9435	9434	9435	-2062.19	-128.308	-0.424	-0.357	-14.797	422.405	1
9435_9435	9435	9435	2049.005	189.313	-12.128	0.597	4.922	-422.428	1
9435_9436	9435	9436	-2046.27	-179.969	12.128	-0.597	127.448	2437.617	1
9436_9436	9436	9436	2041.176	230.445	-15.373	-0.252	-126.329	-2437.68	1
9436_9437	9436	9437	-2040.37	-227.432	15.373	0.252	180.06	3237.825	1
9437_9437	9437	9437	2041.999	231.329	-29.063	-1.313	-194.6	-3237.81	1
9437_9072	9437	9072	-2041.07	-227.798	29.063	1.313	313.563	4177.481	1
9440_9094	9440	9094	2359.165	-210.298	30.082	0.827	-138.871	-2606.27	1.01
9440_9441	9440	9441	-2360.09	213.8	-30.082	-0.827	15.601	1737.324	1
9441_9441	9441	9441	2358.264	-207.113	1.006	0.02	-2.807	-1737.28	1
9441_9442	9441	9442	-2359.06	210.093	-1.006	-0.02	-0.705	1009.147	1
9442_9442	9442	9442	2363.459	-152.852	0.181	-0.356	0.6	-1009.15	1
9442_9443	9442	9443	-2366.17	162.11	-0.181	0.356	-2.579	-710.251	1
9443_9443	9443	9443	2381.349	-90.13	-1.661	0.05	17.19	710.264	1
9443_9444	9443	9444	-2383.33	96.178	1.661	-0.05	-5.227	-1381.14	1
9444_9444	9444	9444	2384.902	-41.818	-1.181	-0.349	5.128	1381.141	1
9444_9445	9444	9445	-2387.02	47.831	1.181	0.349	3.394	-1704.57	1
9445_9445	9445	9445	2393.449	34.058	-1.789	-0.046	12.595	1704.575	1
9445_9446	9445	9446	-2398.11	-22.201	1.789	0.046	13.196	-1299.06	1
9446_9446	9446	9446	2397.688	105.588	3.085	-0.175	1.927	1299.071	1
9446_9447	9446	9447	-2400.81	-98.409	-3.085	0.175	-29.253	-395.511	1
9447_9447	9447	9447	2398.16	149.627	-3.042	0.182	29.695	395.478	1
9447_9448	9447	9448	-2400.33	-144.914	3.042	-0.182	-12.809	421.966	1
9448_9448	9448	9448	2376.979	-363.311	0.656	3.097	11.806	-421.954	1
9448_9449	9448	9449	-2377.6	366.069	-0.656	-3.097	-13.79	-681.082	1
9449_9449	9449	9449	2377	363.344	1.892	-3.391	13.856	681.213	1
9449_9450	9449	9450	-2376.38	-360.586	-1.892	3.391	-19.579	413.58	1
9450_9450	9450	9450	2395.485	-145.466	-1.441	0.174	21.784	-413.561	1
9450_9451	9450	9451	-2393.32	150.188	1.441	-0.174	-13.774	-408.315	1
9451_9451	9451	9451	2395.9	-100.946	-0.688	-0.235	13.829	408.313	1
9451_9452	9451	9452	-2392.78	108.124	0.688	0.235	-7.731	-1334.28	1
9452_9452	9452	9452	2389.439	-24.913	1.218	-0.061	-7.641	1334.268	1
9452_9453	9452	9453	-2384.78	36.767	-1.218	0.061	-9.92	-1778.8	1
9453_9453	9453	9453	2374.628	43.909	1.687	-0.067	-5.414	1778.796	1
9453_9454	9453	9454	-2372.51	-37.907	-1.687	0.067	-6.742	-1484.08	1
9454_9454	9454	9454	2370.943	94.115	1.114	0.137	6.62	1484.076	1
9454_9455	9454	9455	-2368.96	-88.06	-1.114	-0.137	-14.652	-827.363	1
9455_9455	9455	9455	2350.173	159.437	0.022	0.32	0.211	827.35	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9455_9456	9455	9456	-2347.46	-150.174	-0.022	-0.32	-0.455	863.784	1
9456_9456	9456	9456	2343.184	206.418	-2.111	-0.496	0.677	-863.784	1
9456_9457	9456	9457	-2342.39	-203.439	2.111	0.496	6.687	1578.834	1
9457_9457	9457	9457	2344.362	210.139	-21.758	-0.582	-20.736	-1578.85	1
9457_9110	9457	9110	-2343.44	-206.639	21.758	0.582	109.861	2432.448	1.01
9460_9132	9460	9132	1922.592	-190.822	-37.788	-3.225	239.732	-3050.37	1.03
9460_9461	9460	9461	-1923.51	194.321	37.788	3.225	-85.002	2261.841	1
9461_9461	9461	9461	1921.644	-190.26	-10.296	-0.748	97.987	-2261.83	1
9461_9462	9461	9462	-1922.44	193.238	10.296	0.748	-62.074	1592.986	1
9462_9462	9462	9462	1926.53	-147.056	-8.571	-0.778	62.466	-1592.97	1
9462_9463	9462	9463	-1929.24	156.316	8.571	0.778	31.136	-63.505	1
9463_9463	9463	9463	1913.418	-98.718	0.178	-0.978	-15.459	63.523	1
9463_9464	9463	9464	-1915.4	104.771	-0.178	0.978	14.178	-796.792	1
9464_9464	9464	9464	1917.315	-60.221	0.178	-0.648	-14.197	796.792	1
9464_9465	9464	9465	-1919.44	66.229	-0.178	0.648	12.916	-1252.72	1
9465_9465	9465	9465	1897.813	1.001	-1.574	-0.781	1.743	1252.722	1
9465_9466	9465	9466	-1902.47	10.848	1.574	0.781	20.933	-1323.66	1
9466_9466	9466	9466	1878.723	58.763	3.666	-0.604	-6.57	1323.696	1
9466_9467	9466	9467	-1881.84	-51.579	-3.666	0.604	-25.921	-834.698	1
9467_9467	9467	9467	1880.345	91.115	1.517	-0.215	26.331	834.685	1
9467_9468	9467	9468	-1882.51	-86.396	-1.517	0.215	-34.764	-341.433	1
9468_9468	9468	9468	1835.526	-297.755	-6.79	17.304	33.069	341.427	1
9468_9469	9468	9469	-1836.14	300.512	6.79	-17.304	-12.542	-1245.69	1
9469_9469	9469	9469	1839.707	298.562	5.743	-17.536	13.703	1258.061	1
9469_9470	9469	9470	-1839.09	-295.805	-5.743	17.536	-31.063	-359.697	1
9470_9470	9470	9470	1885.927	-88.897	-3.778	1.023	32.986	359.686	1
9470_9471	9470	9471	-1883.76	93.617	3.778	-1.023	-11.99	-866.839	1
9471_9471	9471	9471	1885.288	-54.859	-1.622	-0.202	12.434	866.833	1
9471_9472	9471	9472	-1882.17	62.034	1.622	0.202	1.925	-1384.33	1
9472_9472	9472	9472	1905.553	8.84	1.993	0.542	-16.791	1384.294	1
9472_9473	9472	9473	-1900.9	3.018	-1.993	-0.542	-11.942	-1342.32	1
9473_9473	9473	9473	1915.56	63.762	0.238	0.534	-2.655	1342.314	1
9473_9474	9473	9474	-1913.44	-57.754	-0.238	-0.534	0.938	-904.18	1
9474_9474	9474	9474	1911.58	102.215	0.238	0.556	-0.925	904.18	1
9474_9475	9474	9475	-1909.6	-96.162	-0.238	-0.556	-0.791	-189.334	1
9475_9475	9475	9475	1911.924	154.065	5.856	0.955	-12.838	189.326	1
9475_9476	9475	9476	-1909.21	-144.805	-5.856	-0.955	-51.111	1442.568	1
9476_9476	9476	9476	1905.192	190.568	4.146	-1.601	51.474	-1442.56	1
9476_9477	9476	9477	-1904.4	-187.591	-4.146	1.601	-65.937	2102.084	1
9477_9477	9477	9477	1905.848	193	-6.306	0.384	55.189	-2102.09	1
9477_9148	9477	9148	-1904.93	-189.501	6.306	-0.384	-29.369	2885.207	1
9480_9168	9480	9168	1744.7	-191.243	-9.573	-0.483	54.381	-3411.87	1
9480_9481	9480	9481	-1745.62	194.742	9.573	0.483	-15.181	2621.621	1
9481_9481	9481	9481	1744.24	-190.679	-2.539	-0.295	25.289	-2621.62	1
9481_9482	9481	9482	-1745.04	193.666	2.539	0.295	-16.408	1949.445	1
9482_9482	9482	9482	1749.329	-150.002	-2.539	-0.705	16.395	-1949.45	1
9482_9483	9482	9483	-1752.04	159.253	2.539	0.705	11.308	262.333	1
9483_9483	9483	9483	1727.125	-107.271	0.762	-1.206	1.902	-262.318	1
9483_9484	9483	9484	-1729.1	113.324	-0.762	1.206	-7.392	-532.591	1
9484_9484	9484	9484	1731.271	-73.101	-1.586	-0.644	7.621	532.588	1
9484_9485	9484	9485	-1733.39	79.11	1.586	0.644	3.816	-1081.39	1
9485_9485	9485	9485	1698.594	-18.702	-2.523	-0.937	9.774	1081.423	1
9485_9486	9485	9486	-1703.25	30.559	2.523	0.937	26.601	-1436.54	1
9486_9486	9486	9486	1657.764	33.355	5.118	0.618	-12.264	1436.584	1
9486_9487	9486	9487	-1660.88	-26.18	-5.118	-0.618	-33.048	-1173.02	1
9487_9487	9487	9487	1659.982	60.323	8.154	-2.172	32.084	1173.047	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9487_9488	9487	9488	-1662.15	-55.603	-8.154	2.172	-77.402	-850.92	1
9488_9488	9488	9488	1588.489	-275.339	-15.215	33.144	76.434	850.854	1
9488_9489	9488	9489	-1589.11	278.096	15.215	-33.144	-30.44	-1687.35	1
9489_9489	9489	9489	1596.281	281.896	11.978	-32.937	69.021	1706.919	1
9489_9490	9489	9490	-1595.66	-279.139	-11.978	32.937	-105.231	-858.936	1
9490_9490	9490	9490	1670.897	-53.871	-9.457	1.953	105.501	858.927	1
9490_9491	9490	9491	-1668.73	58.591	9.457	-1.953	-52.942	-1171.43	1
9491_9491	9491	9491	1669.601	-23.514	-7.562	-0.482	53.545	1171.4	1
9491_9492	9491	9492	-1666.48	30.698	7.562	0.482	13.481	-1411.65	1
9492_9492	9492	9492	1709.754	32.213	2.434	0.942	-27.724	1411.598	1
9492_9493	9492	9493	-1705.1	-20.364	-2.434	-0.942	-7.344	-1032.82	1
9493_9493	9493	9493	1738.247	81.343	1.86	0.692	-5.592	1032.822	1
9493_9494	9493	9494	-1736.13	-75.334	-1.86	-0.692	-7.819	-467.916	1
9494_9494	9494	9494	1733.907	115.668	-0.511	1.164	7.619	467.918	1
9494_9495	9494	9495	-1731.93	-109.615	0.511	-1.164	-3.937	343.883	1
9495_9495	9495	9495	1753.874	162.655	2.706	1.209	-8.622	-343.891	1
9495_9496	9495	9496	-1751.16	-153.387	-2.706	-1.209	-20.954	2071.061	1
9496_9496	9496	9496	1747.174	193.611	1.145	-1.18	21.487	-2071.06	1
9496_9497	9496	9497	-1746.38	-190.642	-1.145	1.18	-25.47	2739.357	1
9497_9497	9497	9497	1747.256	196.806	6.075	0.538	14.555	-2739.37	1
9497_9184	9497	9184	-1746.34	-193.307	-6.075	-0.538	-39.431	3538.064	1.02
9500_9204	9500	9204	2099.31	-226.89	30.552	1.16	-134.619	-3958.63	1.01
9500_9501	9500	9501	-2100.4	231.028	-30.552	-1.16	9.517	3021.106	1
9501_9501	9501	9501	2100.247	-226.103	4.582	5.013	-0.759	-3021.11	1
9501_9502	9501	9502	-2101.19	229.625	-4.582	-5.013	-15.224	2226.297	1
9502_9502	9502	9502	2106.097	-179.143	-1.266	-1.693	13.482	-2226.31	1
9502_9503	9502	9503	-2109.31	190.095	1.266	1.693	0.344	210.201	1
9503_9503	9503	9503	2130.154	-126.611	-2.188	0.225	6.797	-210.173	1
9503_9504	9503	9504	-2132.5	133.769	2.188	-0.225	8.968	-728.099	1
9504_9504	9504	9504	2135.029	-84.165	0.732	-0.576	-9.317	728.095	1
9504_9505	9504	9505	-2137.54	91.271	-0.732	0.576	4.039	-1360.64	1
9505_9505	9505	9505	2152.06	-18.04	-0.529	-0.008	3.955	1360.652	1
9505_9506	9505	9506	-2157.57	32.054	0.529	0.008	3.661	-1721.54	1
9506_9506	9506	9506	2167.768	41.644	1.419	-0.482	5.296	1721.53	1
9506_9507	9506	9507	-2171.46	-33.148	-1.419	0.482	-17.872	-1390.08	1
9507_9507	9507	9507	2170.281	78.768	-1.589	1.037	18.729	1390.067	1
9507_9508	9507	9508	-2172.82	-73.233	1.589	-1.037	-9.896	-967.696	1
9508_9508	9508	9508	2147.329	-386.189	-0.913	1.102	7.655	967.682	1
9508_9509	9508	9509	-2148.05	389.422	0.913	-1.102	-4.895	-2140.02	1
9509_9509	9509	9509	2148.509	391.626	5.568	-0.716	4.809	2139.708	1
9509_9510	9509	9510	-2147.79	-388.393	-5.568	0.716	-21.641	-960.732	1
9510_9510	9510	9510	2178.214	-71.549	0.732	-0.929	22.339	960.766	1
9510_9511	9510	9511	-2175.67	77.084	-0.732	0.929	-26.408	-1373.78	1
9511_9511	9511	9511	2176.795	-32.312	-3.148	0.962	25.325	1373.803	1
9511_9512	9511	9512	-2173.11	40.798	3.148	-0.962	2.551	-1697.48	1
9512_9512	9512	9512	2168.075	34.1	1.354	0.27	-11.368	1697.475	1
9512_9513	9512	9513	-2162.57	-20.086	-1.354	-0.27	-8.139	-1307.08	1
9513_9513	9513	9513	2151.676	93.48	1.909	0.713	-1.159	1307.096	1
9513_9514	9513	9514	-2149.17	-86.373	-1.909	-0.713	-12.609	-658.552	1
9514_9514	9514	9514	2146.579	136.299	2.145	0.346	12.646	658.551	1
9514_9515	9514	9515	-2144.24	-129.14	-2.145	-0.346	-28.106	298.062	1
9515_9515	9515	9515	2128.455	193.179	-7.715	0.47	22.145	-298.087	1
9515_9516	9515	9516	-2125.25	-182.226	7.715	-0.47	62.117	2348.253	1
9516_9516	9516	9516	2120.257	233.163	-9.172	0.297	-61.644	-2348.27	1
9516_9517	9516	9517	-2119.32	-229.641	9.172	-0.297	93.644	3155.584	1
9517_9517	9517	9517	2118.869	235.828	-49.131	-3.351	-99.117	-3155.7	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9517_9220	9517	9220	-2117.78	-231.689	49.131	3.351	300.341	4113.098	1
9520_9240	9520	9240	1627.427	-266.262	-22.093	11.799	-514.097	-7251.68	1
9520_9521	9520	9521	-1628.74	271.224	22.093	-11.799	604.41	6153.075	1
9521_9521	9521	9521	1615.58	-271.612	36.515	-6.42	-599.486	-6153.93	1
9521_9522	9521	9522	-1616.71	275.845	-36.515	6.42	472.061	5198.701	1
9522_9522	9522	9522	1622.851	-237.037	36.633	5.285	-471.963	-5198.71	1
9522_9523	9522	9523	-1626.71	250.2	-36.633	-5.285	71.701	2536.858	1
9523_9523	9523	9523	1644.635	-202.396	7.044	0.666	-71.374	-2536.43	1
9523_9524	9523	9524	-1647.45	210.989	-7.044	-0.666	20.641	1047.691	1
9524_9524	9524	9524	1651.91	-172.693	3.894	-0.93	-21.353	-1047.68	1
9524_9525	9524	9525	-1654.92	181.225	-3.894	0.93	-6.711	-227.816	1
9525_9525	9525	9525	1692.474	-127.031	-1.951	-0.971	8.811	227.925	1
9525_9526	9525	9526	-1699.09	143.883	1.951	0.971	19.32	-2181.48	1
9526_9526	9526	9526	1727.703	-86.183	-1.816	-4.478	-14.237	2179.524	1
9526_9527	9526	9527	-1732.13	96.37	1.816	4.478	30.312	-2987.34	1
9527_9527	9527	9527	1733.707	-61.57	-6.971	5.161	-26.251	2987.372	1
9527_9528	9527	9528	-1736.74	68.172	6.971	-5.161	65.016	-3348.11	1
9528_9528	9528	9528	1699.831	-436.076	9.2	-13.861	-72.695	3348.109	1
9528_9529	9528	9529	-1700.69	439.934	-9.2	13.861	44.855	-4673.58	1
9529_9529	9529	9529	1697.853	426.319	0.747	11.201	-44.274	4670.262	1
9529_9530	9529	9530	-1696.99	-422.473	-0.747	-11.201	42.019	-3389.7	1
9530_9530	9530	9530	1736.321	57.845	7.569	-4.013	-38.803	3387.877	1
9530_9531	9530	9531	-1733.29	-51.242	-7.569	4.013	-3.293	-3084.52	1
9531_9531	9531	9531	1731.906	86.365	4.367	1.751	0.678	3084.523	1
9531_9532	9531	9532	-1727.48	-76.17	-4.367	-1.751	-39.346	-2364.86	1
9532_9532	9532	9532	1715.438	134.63	-1.855	0.321	33.934	2364.029	1
9532_9533	9532	9533	-1708.82	-117.794	1.855	-0.321	-7.199	-545.256	1
9533_9533	9533	9533	1687.765	175.673	3.345	2.743	4.111	545.691	1
9533_9534	9533	9534	-1684.75	-167.139	-3.345	-2.743	-28.224	690.048	1
9534_9534	9534	9534	1680.387	206.476	-2.145	-0.267	29.049	-690.019	1
9534_9535	9534	9535	-1677.58	-197.876	2.145	0.267	-13.584	2147.315	1
9535_9535	9535	9535	1628.546	249.084	24.157	4.386	12.998	-2145.91	1
9535_9536	9535	9536	-1624.69	-235.923	-24.157	-4.386	-276.902	4795.16	1
9536_9536	9536	9536	1618.61	274.818	21.048	-11.904	279.503	-4795	1
9536_9537	9536	9537	-1617.48	-270.586	-21.048	11.904	-352.952	5746.601	1
9537_9537	9537	9537	1625.621	264.785	-32.331	-119.904	355.224	-5764.32	1
9537_9254	9537	9254	-1624.31	-259.82	32.331	119.904	-222.972	6837.281	1.01
9540_9275	9540	9275	2837.206	-275.838	54.443	16.84	-1124.24	-3765.26	1
9540_9541	9540	9541	-2838.61	281.186	-54.443	-16.84	901.375	2625.143	1
9541_9541	9541	9541	2836.16	-276.116	59.634	-9.498	-891.602	-2635.92	1
9541_9542	9541	9542	-2837.38	280.669	-59.634	9.498	683.577	1664.78	1
9542_9542	9542	9542	2843.43	-212.486	52.833	2.832	-684.801	-1664.3	1
9542_9543	9542	9543	-2847.58	226.645	-52.833	-2.832	107.788	-733.654	1
9543_9543	9543	9543	2877.408	-135.651	7.526	-3.328	-103.251	729.8	1
9543_9544	9543	9544	-2880.43	144.901	-7.526	3.328	49.03	-1740.46	1
9544_9544	9544	9544	2882.991	-79.3	4.73	-0.507	-48.492	1740.478	1
9544_9545	9544	9545	-2886.23	88.498	-4.73	0.507	14.343	-2346.15	1
9545_9545	9545	9545	2917.455	11.477	0.594	-1.791	-8.433	2342.923	1
9545_9546	9545	9546	-2924.57	6.641	-0.594	1.791	-0.127	-2308.08	1
9546_9546	9546	9546	2938.343	92.577	9.274	-1.199	5.634	2305.771	1
9546_9547	9546	9547	-2943.11	-81.608	-9.274	1.199	-87.744	-1534.66	1
9547_9547	9547	9547	2940.907	140.296	6.201	-1.38	88.422	1534.625	1
9547_9548	9547	9548	-2944.16	-133.205	-6.201	1.38	-122.93	-773.637	1
9548_9548	9548	9548	2914.981	-485.709	0.337	9.052	118.459	766.984	1
9548_9549	9548	9549	-2915.91	489.833	-0.337	-9.052	-119.473	-2237.61	1
9549_9549	9549	9549	2934.039	515.487	0.953	-8.866	119.774	2249.141	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9549_9550	9549	9550	-2933.09	-511.418	-0.953	8.866	-122.614	-718.448	1
9550_9550	9550	9550	2965.496	-137.412	4.896	-0.644	126.434	711.15	1
9550_9551	9550	9551	-2962.06	144.563	-4.896	0.644	-154.141	-1509	1
9551_9551	9551	9551	2964.603	-76.41	-4.593	0.586	151.926	1509.223	1
9551_9552	9551	9552	-2959.92	86.774	4.593	-0.586	-113.252	-2196.26	1
9552_9552	9552	9552	2941.944	31.141	0.041	-0.604	108.066	2196.442	1
9552_9553	9552	9553	-2934.81	-13.502	-0.041	0.604	-108.639	-1882.05	1
9553_9553	9553	9553	2906.446	121.36	-6.951	1.114	103.669	1881.906	1
9553_9554	9553	9554	-2903.22	-112.416	6.951	-1.114	-54.741	-1059.12	1
9554_9554	9554	9554	2899.383	186.823	-6.117	-0.601	54.855	1059.118	1
9554_9555	9554	9555	-2896.38	-177.797	6.117	0.601	-11.785	224.499	1
9555_9555	9555	9555	2851.916	279.938	-10.047	0.154	11.408	-223.675	1
9555_9556	9555	9556	-2847.88	-266.12	10.047	-0.154	95.663	3133.503	1
9556_9556	9556	9556	2839.561	343.575	-13.11	-0.733	-94.705	-3133.53	1
9556_9557	9556	9557	-2838.39	-339.106	13.11	0.733	139.556	4301.266	1
9557_9557	9557	9557	2834.416	356.146	-15.237	-69.093	-141.262	-4323.62	1
9557_9288	9557	9288	-2832.55	-348.818	15.237	69.093	226.55	6296.651	1.01
49000_9000	49000	9000	-7.297	358.912	1.976	9.06	0	-41.591	1
49000_9001	49000	9001	7.297	-334.643	-1.976	-9.06	-16.403	2919.862	1
49001_9001	49001	9001	-7.294	334.643	1.986	4.982	16.403	-2919.87	1
49001_9002	49001	9002	7.294	-308.637	-1.986	-4.982	-34.072	5780.56	1
49002_9002	49002	9002	-7.292	292.405	-2.184	12.788	34.072	-5780.56	1
49002_9003	49002	9003	7.292	-257.075	2.184	-12.788	-7.686	9100.295	1
49003_9003	49003	9003	-7.296	257.075	-2.171	-3.153	7.686	-9100.3	1
49003_9004	49003	9004	7.296	-221.723	2.171	3.153	18.56	11994.73	1
49004_9004	49004	9004	-7.296	199.698	0.539	15.68	-18.56	-11994.7	1
49004_9005	49004	9005	7.296	-164.379	-0.539	-15.68	12.044	14193.6	1
49005_9005	49005	9005	-7.295	164.379	0.552	-9.169	-12.044	-14193.6	1
49005_9006	49005	9006	7.295	-129.039	-0.552	9.169	5.369	15966.79	1
49006_9006	49006	9006	-7.294	104.655	0.294	8.618	-5.369	-15966.8	1
49006_9007	49006	9007	7.294	-69.319	-0.294	-8.618	1.818	17018.04	1
49007_9007	49007	9007	-7.294	69.319	0.3	-5.343	-1.818	-17018	1
49007_9008	49007	9008	7.294	-33.987	-0.3	5.343	-1.805	17642.2	1
49008_9008	49008	9008	-7.294	9.054	-0.088	-1.212	1.805	-17642.2	1
49008_9009	49008	9009	7.294	26.296	0.088	1.212	-0.743	17537.96	1
49009_9009	49009	9009	-7.294	-26.296	-0.089	0.649	0.743	-17538	1
49009_9010	49009	9010	7.294	61.617	0.089	-0.649	0.328	17006.97	1
49010_9010	49010	9010	-7.293	-87.596	0.802	11.144	-0.328	-17007	1
49010_9011	49010	9011	7.293	122.938	-0.802	-11.144	-9.369	15734.6	1
49011_9011	49011	9011	-7.292	-122.938	0.814	-14.687	9.369	-15734.6	1
49011_9012	49011	9012	7.292	158.273	-0.814	14.687	-19.21	14035.42	1
49012_9012	49012	9012	-7.291	-183.073	0.657	6.609	19.21	-14035.4	1
49012_9013	49012	9013	7.291	218.405	-0.657	-6.609	-27.149	11609.8	1
49013_9013	49013	9013	-7.29	-218.405	0.669	-12.462	27.149	-11609.8	1
49013_9014	49013	9014	7.29	253.729	-0.669	12.462	-35.232	8757.873	1
49014_9014	49014	9014	-7.29	-277.403	-0.046	0.799	35.232	-8757.87	1
49014_9015	49014	9015	7.29	322.856	0.046	-0.799	-34.521	4092.254	1
49015_9015	49015	9015	-3.621	-322.918	-0.034	-6.063	34.454	-4096.76	1
49015_9016	49015	9016	3.364	345.46	0.034	6.063	-34.172	1339.722	1
49016_9016	49016	9016	4.54	-364.953	-3.577	-4.347	60.222	-1984.18	1
49016_9017	49016	9017	-5.6	397.284	3.577	4.347	-18.156	-2497.66	1.06
49017_9017	49017	9017	16.74	-396.971	-3.56	0.753	18.368	2497.66	1.06
49017_9018	49017	9018	-19.123	436.077	3.56	-0.753	28.897	-8025.92	1.02
49018_9018	49018	9018	33.294	-457.652	4.724	-13.269	-30.188	8025.745	1.02
49018_9019	49018	9019	-36.747	496.36	-4.724	13.269	-29.073	-14007.7	1.01
49019_9019	49019	9019	50.417	-495.158	4.736	9.337	31.435	14007.65	1.01

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
49019_9020	49019	9020	-55.239	536.354	-4.736	-9.337	-91.059	-20497.3	1
49020_9020	49020	9020	-2103.41	154.574	-25.789	-3.104	557.456	3550.3	1
49020_9021	49020	9021	2103.411	-127.816	25.789	3.104	-312.388	-2208.56	1
49021_9021	49021	9021	-2103.47	127.816	-20.947	1.98	312.388	2208.564	1
49021_9022	49021	9022	2103.465	-108.128	20.947	-1.98	-150.279	-1295.57	1
49022_9022	49022	9022	-2103.44	108.128	-23.031	0.697	150.279	1295.575	1
49022_9023	49022	9023	2103.443	-88.386	23.031	-0.697	28.443	-533.097	1
49023_9023	49023	9023	-2103.52	69.647	-4.682	-0.168	-28.443	533.089	1
49023_9024	49023	9024	2103.522	-49.296	4.682	0.168	65.899	-57.337	1
49024_9024	49024	9024	-2103.52	49.296	-4.682	-0.168	-65.899	57.337	1
49024_9025	49024	9025	2103.522	-28.945	4.682	0.168	103.356	255.613	1
49025_9025	49025	9025	-2103.53	28.945	-2.069	-0.485	-103.356	-255.612	1
49025_9026	49025	9026	2103.526	-8.596	2.069	0.485	119.902	405.75	1
49026_9026	49026	9026	-2103.52	-8.688	-4.823	0.025	-119.902	-405.749	1
49026_9027	49026	9027	2103.523	23.943	4.823	-0.025	148.822	307.913	1
49027_9027	49027	9027	-2103.53	-23.943	-0.956	-0.541	-148.822	-307.913	1
49027_9028	49027	9028	2103.528	39.221	0.956	0.541	154.562	118.255	1
49028_9028	49028	9028	-2103.53	-39.221	-1.336	-0.52	-154.562	-118.255	1
49028_9029	49028	9029	2103.528	54.473	1.336	0.52	162.569	-162.607	1
49029_9029	49029	9029	-2103.53	-54.473	-0.956	-0.49	-162.569	162.607	1
49029_9030	49029	9030	2103.528	69.75	0.956	0.49	168.309	-535.604	1
49030_9030	49030	9030	-2103.53	-87.274	1.523	-1.511	-168.309	535.609	1
49030_9031	49030	9031	2103.529	107.614	-1.523	1.511	156.133	-1314.7	1
49031_9031	49031	9031	-2103.53	-107.614	1.523	-1.511	-156.133	1314.704	1
49031_9032	49031	9032	2103.529	127.954	-1.523	1.511	143.957	-2256.42	1
49032_9032	49032	9032	-2103.53	-127.954	4.415	1.592	-143.957	2256.424	1
49032_9033	49032	9033	2103.525	148.317	-4.415	-1.592	108.614	-3362.09	1
49033_9033	49033	9033	-2103.48	-166.928	16.012	-5.279	-108.614	3362.122	1
49033_9034	49033	9034	2103.479	186.65	-16.012	5.279	-15.516	-4732.67	1
49034_9034	49034	9034	-2103.48	-186.65	16.012	-5.279	15.516	4732.668	1
49034_9035	49034	9035	2103.479	206.373	-16.012	5.279	-139.646	-6256.11	1
49035_9035	49035	9035	-2103.44	-206.373	21.033	9.655	139.646	6256.104	1
49035_9036	49035	9036	2103.435	233.122	-21.033	-9.655	-339.452	-8343.63	1.02
49036_9036	49036	9036	15.652	455.355	-3.532	-26.096	49.672	26389.85	1.02
49036_9037	49036	9037	-10.83	-414.184	3.532	26.096	-5.241	-20922.9	1.02
49037_9037	49037	9037	-0.645	414.325	-3.439	25.22	-0.07	20922.89	1.02
49037_9038	49037	9038	4.097	-375.596	3.439	-25.22	43.24	-15967.5	1.02
49038_9038	49038	9038	-15.746	356.029	2.507	-3.617	-40.685	15967.82	1.02
49038_9039	49038	9039	18.128	-316.941	-2.507	3.617	7.419	-11504.3	1.03
49039_9039	49039	9039	-52.864	249.682	1.023	2.708	-13.183	1543.463	1.03
49039_9040	49039	9040	53.926	-217.292	-1.023	-2.708	1.145	1202.406	1.04
49040_9040	49040	9040	-58.788	197.099	0.434	0.495	-1.061	-1202.41	1.04
49040_9041	49040	9041	59.043	-174.626	-0.434	-0.495	-2.521	2735.423	1.06
49041_9041	49041	9041	-61.024	173.944	0.427	0.795	2.526	-2735.42	1.06
49041_9042	49041	9042	61.024	-136.95	-0.427	-0.795	-8.981	5085.734	1
49042_9042	49042	9042	-61.024	115.602	-0.1	2.844	8.981	-5085.74	1
49042_9043	49042	9043	61.024	-86.527	0.1	-2.844	-7.788	6286.675	1
49043_9043	49043	9043	-61.024	86.527	-0.054	-1.929	7.788	-6286.68	1
49043_9044	49043	9044	61.024	-57.479	0.054	1.929	-7.146	7141.498	1
49044_9044	49044	9044	-61.024	34.626	-0.072	3.232	7.146	-7141.49	1
49044_9045	49044	9045	61.024	-5.559	0.072	-3.232	-6.29	7380.184	1
49045_9045	49045	9045	-61.024	5.559	-0.021	-2.955	6.29	-7380.18	1
49045_9046	49045	9046	61.024	23.507	0.021	2.955	-6.041	7273.578	1
49046_9046	49046	9046	-61.024	-46.839	0.001	2.538	6.041	-7273.58	1
49046_9047	49046	9047	61.024	75.9	-0.001	-2.538	-6.053	6544.664	1
49047_9047	49047	9047	-61.024	-75.9	0.052	-2.951	6.053	-6544.66	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
49047_9048	49047	9048	61.024	104.959	-0.052	2.951	-6.672	5470.677	1
49048_9048	49048	9048	-61.024	-128.081	0.176	1.071	6.672	-5470.68	1
49048_9049	49048	9049	61.024	157.136	-0.176	-1.071	-8.762	3777.238	1
49049_9049	49049	9049	-61.024	-157.136	0.227	-2.098	8.762	-3777.24	1
49049_9050	49049	9050	61.024	186.188	-0.227	2.098	-11.459	1738.944	1
49050_9050	49050	9050	-61.024	-208.138	-0.407	-1.191	11.459	-1738.94	1
49050_9051	49050	9051	61.024	245.167	0.407	1.191	-5.302	-1691.27	1.13
49051_9051	49051	9051	-58.234	-245.845	-0.35	0.326	5.306	1691.271	1.13
49051_9052	49051	9052	57.998	266.629	0.35	-0.326	-2.42	-3805.03	1.06
49052_9052	49052	9052	-51.614	-287.658	-0.918	-2.086	2.349	3804.925	1.06
49052_9053	49052	9053	50.634	317.549	0.918	2.086	8.447	-7361.76	1.03
49053_9053	49053	9053	-44.188	-320.962	-2.479	0.04	2.422	7709.264	1.03
49053_9054	49053	9054	41.836	359.458	2.479	-0.04	30.496	-12225.2	1.03
49054_9054	49054	9054	-29.873	-381.42	2.47	-8.205	-31.297	12224.87	1.03
49054_9055	49054	9055	26.477	419.408	-2.47	8.205	0.307	-17247.7	1.01
49055_9055	49055	9055	-14.878	-419.979	2.52	5.469	1.069	17247.67	1.01
49055_9056	49055	9056	10.157	460.22	-2.52	-5.469	-32.786	-22783.3	1
49056_9056	49056	9056	-2035.45	199.217	-19.753	-5.326	354.56	6116.903	1
49056_9057	49056	9057	2035.449	-172.803	19.753	5.326	-166.926	-4350.02	1
49057_9057	49057	9057	-2035.48	172.803	-16.08	2.831	166.926	4311.178	1
49057_9058	49057	9058	2035.481	-151.707	16.08	-2.831	-42.267	-3053.3	1
49058_9058	49058	9058	-2035.5	151.707	-13.462	6.759	42.267	3053.291	1
49058_9059	49058	9059	2035.5	-130.613	13.462	-6.759	62.084	-1959.06	1
49059_9059	49059	9059	-2035.53	112.776	-5.195	-0.653	-62.084	1959.033	1
49059_9060	49059	9060	2035.529	-91.026	5.195	0.653	103.608	-1144.59	1
49060_9060	49060	9060	-2035.53	91.026	-2.468	0.881	-103.608	1144.585	1
49060_9061	49060	9061	2035.534	-69.252	2.468	-0.881	123.355	-503.331	1
49061_9061	49061	9061	-2035.53	69.252	-2.468	0.881	-123.355	503.331	1
49061_9062	49061	9062	2035.534	-47.477	2.468	-0.881	143.101	-36.312	1
49062_9062	49062	9062	-2035.53	30.714	0.233	0.222	-143.101	36.309	1
49062_9063	49062	9063	2035.533	-14.372	-0.233	-0.222	141.701	99.073	1
49063_9063	49063	9063	-2035.53	14.372	-3.396	0.399	-141.701	-99.072	1
49063_9064	49063	9064	2035.531	1.944	3.396	-0.399	162.063	136.332	1
49064_9064	49064	9064	-2035.53	-1.944	3.377	-0.055	-162.063	-136.333	1
49064_9065	49064	9065	2035.531	18.257	-3.377	0.055	141.819	75.781	1
49065_9065	49065	9065	-2035.53	-18.257	0.233	0.062	-141.819	-75.781	1
49065_9066	49065	9066	2035.533	34.599	-0.233	-0.062	140.419	-82.932	1
49066_9066	49066	9066	-2035.53	-51.381	1.972	-0.542	-140.419	82.933	1
49066_9067	49066	9067	2035.534	73.15	-1.972	0.542	124.647	-581.033	1
49067_9067	49067	9067	-2035.53	-73.15	4.51	0.182	-124.647	581.033	1
49067_9068	49067	9068	2035.529	94.916	-4.51	-0.182	88.57	-1253.21	1
49068_9068	49068	9068	-2035.53	-94.916	4.51	0.182	-88.57	1253.207	1
49068_9069	49068	9069	2035.529	116.683	-4.51	-0.182	52.493	-2099.49	1
49069_9069	49069	9069	-2035.49	-134.383	15.463	-3.967	-52.493	2099.523	1
49069_9070	49069	9070	2035.486	155.465	-15.463	3.967	-67.307	-3222.32	1
49070_9070	49070	9070	-2035.49	-155.465	15.639	-3.688	67.307	3222.316	1
49070_9071	49070	9071	2035.485	176.575	-15.639	3.688	-188.628	-4510.21	1
49071_9071	49071	9071	-2035.45	-176.575	19.252	4.684	188.628	4549.048	1
49071_9072	49071	9072	2035.454	202.992	-19.252	-4.684	-371.526	-6352.04	1
49072_9072	49072	9072	-5.452	458.014	-2.447	-12.912	37.707	23090.59	1
49072_9073	49072	9073	10.172	-417.779	2.447	12.912	-6.921	-17583.7	1
49073_9073	49073	9073	-21.741	417.338	-2.35	15.761	3.982	17583.65	1
49073_9074	49073	9074	25.136	-379.333	2.35	-15.761	25.52	-12584.7	1
49074_9074	49074	9074	-36.815	360.677	2.742	0.936	-24.119	12584.87	1
49074_9075	49074	9075	39.166	-322.203	-2.742	-0.936	-12.265	-8055.37	1
49075_9075	49075	9075	-48.947	247.555	1.216	-1.274	-2.206	-3395.66	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
49075_9076	49075	9076	49.909	-218.219	-1.216	1.274	-12.093	6133.45	1
49076_9076	49076	9076	-54.781	200.184	-0.294	2.943	12.012	-6133.58	1
49076_9077	49076	9077	55.013	-179.804	0.294	-2.943	-9.591	7700.046	1
49077_9077	49077	9077	-57.054	179.167	-0.273	-0.092	9.624	-7683.45	1
49077_9078	49077	9078	57.054	-143.296	0.273	0.092	-5.886	9894.567	1
49078_9078	49078	9078	-57.054	124.211	-0.086	6.564	5.886	-9894.58	1
49078_9079	49078	9079	57.054	-95.024	0.086	-6.564	-4.927	11117.73	1
49079_9079	49079	9079	-57.054	95.024	-0.032	-3.946	4.927	-11117.7	1
49079_9080	49079	9080	57.054	-65.812	0.032	3.946	-4.569	12015.82	1
49080_9080	49080	9080	-57.054	45.46	-0.087	0.803	4.569	-12015.8	1
49080_9081	49080	9081	57.054	-16.251	0.087	-0.803	-3.594	12360.38	1
49081_9081	49081	9081	-57.054	16.251	-0.087	0.803	3.594	-12360.4	1
49081_9082	49081	9082	57.054	12.957	0.087	-0.803	-2.619	12378.77	1
49082_9082	49082	9082	-57.055	-34.962	-0.064	4.645	2.619	-12378.8	1
49082_9083	49082	9083	57.055	66.367	0.064	-4.645	-1.854	11770.45	1
49083_9083	49083	9083	-57.055	-66.367	-0.019	-4.639	1.854	-11770.4	1
49083_9084	49083	9084	57.055	97.745	0.019	4.639	-1.629	10786.1	1
49084_9084	49084	9084	-57.055	-119.883	0.031	3.448	1.629	-10786.1	1
49084_9085	49084	9085	57.055	149.085	-0.031	-3.448	-1.972	9284.711	1
49085_9085	49085	9085	-57.054	-149.085	0.082	-4.858	1.972	-9284.71	1
49085_9086	49085	9086	57.054	178.285	-0.082	4.858	-2.884	7457.405	1
49086_9086	49086	9086	-57.054	-199.566	0.045	0.985	2.884	-7457.4	1
49086_9087	49086	9087	57.054	228.791	-0.045	-0.985	-3.389	5064.365	1
49087_9087	49087	9087	-57.054	-228.791	0.094	-3.327	3.389	-5064.36	1
49087_9088	49087	9088	57.054	257.989	-0.094	3.327	-4.436	2347.497	1
49088_9088	49088	9088	-57.055	-277.641	-0.478	-2.296	4.436	-2347.49	1
49088_9089	49088	9089	57.055	312.126	0.478	2.296	1.867	-1540.16	1
49089_9089	49089	9089	-53.508	-312.753	-0.438	-1.057	-1.879	1523.558	1
49089_9090	49089	9090	53.264	334.29	0.438	1.057	5.494	-4195.41	1.03
49090_9090	49090	9090	-45.447	-354.621	-0.2	-7.334	-5.726	4195.286	1.03
49090_9091	49090	9091	44.432	385.526	0.2	7.334	8.079	-8542.24	1.02
49091_9091	49091	9091	-36.338	-388.244	-1.612	3.227	-0.088	8798.695	1.02
49091_9092	49091	9092	34.012	426.419	1.612	-3.227	21.487	-14204.9	1.01
49092_9092	49092	9092	-20.2	-448.051	1.656	-24.905	-23.95	14204.58	1.01
49092_9093	49092	9093	16.839	485.745	-1.656	24.905	3.173	-20062.3	1.01
49093_9093	49093	9093	-3.41	-486.025	1.799	22.976	1.735	20062.3	1.01
49093_9094	49093	9094	-1.267	525.972	-1.799	-22.976	-24.378	-26427.6	1.01
49094_9094	49094	9094	-2247.85	181.819	-14.419	-4.179	220.44	6652.571	1.01
49094_9095	49094	9095	2247.848	-155.636	14.419	4.179	-83.501	-5050.13	1
49095_9095	49095	9095	-2247.87	155.636	-10.897	3.733	83.501	5050.131	1
49095_9096	49095	9096	2247.868	-134.848	10.897	-3.733	1.009	-3923.72	1
49096_9096	49096	9096	-2247.87	134.848	-11.005	3.544	-1.009	3923.716	1
49096_9097	49096	9097	2247.867	-114.087	11.005	-3.544	86.252	-2959.66	1
49097_9097	49097	9097	-2247.92	96.33	1.797	-1.749	-86.252	2959.62	1
49097_9098	49097	9098	2247.915	-74.873	-1.797	1.749	71.864	-2274.36	1
49098_9098	49098	9098	-2247.91	74.873	4.505	0.991	-71.864	2274.358	1
49098_9099	49098	9099	2247.911	-53.443	-4.505	-0.991	35.846	-1761.42	1
49099_9099	49099	9099	-2247.91	53.443	4.604	1.068	-35.846	1761.421	1
49099_9100	49099	9100	2247.911	-31.987	-4.604	-1.068	-1.005	-1419.49	1
49100_9100	49100	9100	-2247.9	16.279	-0.85	-0.799	1.005	1419.486	1
49100_9101	49100	9101	2247.896	-0.188	0.85	0.799	4.099	-1370.06	1
49101_9101	49101	9101	-2247.9	0.188	-0.975	-0.875	-4.099	1370.058	1
49101_9102	49101	9102	2247.896	15.877	0.975	0.875	9.943	-1417.07	1
49102_9102	49102	9102	-2247.9	-15.877	-0.85	-0.796	-9.943	1417.072	1
49102_9103	49102	9103	2247.896	31.968	0.85	0.796	15.046	-1560.69	1
49103_9103	49103	9103	-2247.89	-31.968	2.892	1.802	-15.046	1560.686	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
49103_9104	49103	9104	2247.894	48.059	-2.892	-1.802	-2.317	-1800.89	1
49104_9104	49104	9104	-2247.91	-63.735	-5.959	-2.461	2.317	1800.894	1
49104_9105	49104	9105	2247.908	85.162	5.959	2.461	45.318	-2396.03	1
49105_9105	49105	9105	-2247.91	-85.162	-3.064	0.625	-45.318	2396.029	1
49105_9106	49105	9106	2247.914	106.615	3.064	-0.625	69.839	-3163.48	1
49106_9106	49106	9106	-2247.91	-106.615	-3.148	0.506	-69.839	3163.48	1
49106_9107	49106	9107	2247.914	128.041	3.148	-0.506	95.003	-4101.35	1
49107_9107	49107	9107	-2247.87	-145.776	9.609	-3.502	-95.003	4101.395	1
49107_9108	49107	9108	2247.874	166.557	-9.609	3.502	20.504	-5312.17	1
49108_9108	49108	9108	-2247.87	-166.557	9.609	-3.502	-20.504	5312.174	1
49108_9109	49108	9109	2247.874	187.339	-9.609	3.502	-53.995	-6684.07	1
49109_9109	49109	9109	-2247.86	-187.339	11.897	3.302	53.995	6684.074	1
49109_9110	49109	9110	2247.863	213.539	-11.897	-3.302	-167.058	-8588.96	1.01
49110_9110	49110	9110	-13.803	492.522	-1.788	-17.808	16.861	28678.26	1.01
49110_9111	49110	9111	18.48	-452.591	1.788	17.808	5.633	-22736.3	1.01
49111_9111	49111	9111	-31.01	451.906	-1.673	19.044	-9.394	22736.29	1.01
49111_9112	49111	9112	34.371	-414.203	1.673	-19.044	30.396	-17302	1.02
49112_9112	49112	9112	-47.091	394.05	1.854	-1.83	-28.527	17302.4	1.02
49112_9113	49112	9113	49.417	-355.899	-1.854	1.83	3.93	-12328.8	1.03
49113_9113	49113	9113	-58.805	279.845	0.852	2.327	0.343	788.16	1.03
49113_9114	49113	9114	59.816	-249.001	-0.852	-2.327	-10.367	2320.792	1.05
49114_9114	49114	9114	-65.346	230.222	-0.132	1.797	10.418	-2320.83	1.05
49114_9115	49114	9115	65.59	-208.767	0.132	-1.797	-9.33	4132.107	1.1
49115_9115	49115	9115	-67.957	208.009	-0.119	0.901	9.349	-4112.57	1.1
49115_9116	49115	9116	67.957	-174.287	0.119	-0.901	-7.712	6733.757	1
49116_9116	49116	9116	-67.958	155.217	-0.146	8.228	7.712	-6733.76	1
49116_9117	49116	9117	67.958	-127.769	0.146	-8.228	-6.081	8313.102	1
49117_9117	49117	9117	-67.958	127.769	-0.023	-6.792	6.081	-8313.1	1
49117_9118	49117	9118	67.958	-100.296	0.023	6.792	-5.821	9587.029	1
49118_9118	49118	9118	-67.958	79.325	-0.417	9.738	5.821	-9587.04	1
49118_9119	49118	9119	67.958	-51.877	0.417	-9.738	-1.163	10319.25	1
49119_9119	49119	9119	-67.959	51.877	-0.295	-8.891	1.163	-10319.3	1
49119_9120	49119	9120	67.959	-24.406	0.295	8.891	2.128	10745.35	1
49120_9120	49120	9120	-67.959	2.742	-0.053	8.817	-2.128	-10745.4	1
49120_9121	49120	9121	67.959	26.746	0.053	-8.817	2.767	10601.45	1
49121_9121	49121	9121	-67.959	-26.746	0.061	-8.974	-2.767	-10601.4	1
49121_9122	49121	9122	67.959	56.258	-0.061	8.974	2.039	10103.38	1
49122_9122	49122	9122	-67.959	-78.519	-0.227	11.664	-2.039	-10103.4	1
49122_9123	49122	9123	67.959	105.989	0.227	-11.664	4.574	9072.82	1
49123_9123	49123	9123	-67.959	-105.989	-0.044	-12.7	-4.574	-9072.82	1
49123_9124	49123	9124	67.959	133.459	0.044	12.7	5.07	7735.436	1
49124_9124	49124	9124	-67.959	-154.227	-0.243	4.424	-5.07	-7735.44	1
49124_9125	49124	9125	67.959	181.672	0.243	-4.424	7.783	5861.041	1
49125_9125	49125	9125	-67.959	-181.672	-0.121	-6.121	-7.783	-5861.04	1
49125_9126	49125	9126	67.959	209.141	0.121	6.121	9.132	3678.28	1
49126_9126	49126	9126	-67.959	-228.46	0.296	-0.575	-9.132	-3678.28	1
49126_9127	49126	9127	67.959	261.389	-0.296	0.575	5.168	398.654	1.06
49127_9127	49127	9127	-64.981	-262.145	0.391	-1.187	-5.182	-418.19	1.06
49127_9128	49127	9128	64.756	281.889	-0.391	1.187	1.959	-1823.36	1.06
49128_9128	49128	9128	-58.115	-300.67	-2.924	-5.434	-2.124	1823.327	1.06
49128_9129	49128	9129	57.182	329.111	2.924	5.434	36.497	-5524.88	1.06
49129_9129	49129	9129	-55.038	-333.067	-5.316	7.247	-42.889	5888.053	1.06
49129_9130	49129	9130	52.776	370.19	5.316	-7.247	113.461	-10554.1	1.03
49130_9130	49130	9130	-40.452	-393.406	9.921	-6.353	-114.71	10554.07	1.03
49130_9131	49130	9131	37.179	430.111	-9.921	6.353	-9.793	-15719.5	1.03
49131_9131	49131	9131	-25.319	-430.971	9.981	5.891	11.078	15719.45	1.03

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
49131_9132	49131	9132	20.758	469.964	-9.981	-5.891	-136.793	-21390.5	1.03
49132_9132	49132	9132	-1896.9	172.314	2.901	2.17	-12.388	5222.692	1.03
49132_9133	49132	9133	1896.895	-146.873	-2.901	-2.17	-15.173	-3706.55	1
49133_9133	49133	9133	-1896.9	146.873	0.454	-2.612	15.173	3706.554	1
49133_9134	49133	9134	1896.897	-127.831	-0.454	2.612	-18.688	-2642.07	1
49134_9134	49134	9134	-1896.9	127.831	2.901	0.797	18.688	2642.073	1
49134_9135	49134	9135	1896.895	-108.79	-2.901	-0.797	-41.173	-1725.17	1
49135_9135	49135	9135	-1896.9	90.416	0.365	-0.983	41.173	1725.166	1
49135_9136	49135	9136	1896.897	-70.76	-0.365	0.983	-44.092	-1080.46	1
49136_9136	49136	9136	-1896.9	70.76	2.736	0.368	44.092	1080.464	1
49136_9137	49136	9137	1896.895	-51.103	-2.736	-0.368	-65.981	-593.012	1
49137_9137	49137	9137	-1896.9	51.103	2.736	0.368	65.981	593.012	1
49137_9138	49137	9138	1896.895	-31.447	-2.736	-0.368	-87.869	-262.809	1
49138_9138	49138	9138	-1896.89	13.954	-4.676	-0.346	87.869	262.809	1
49138_9139	49138	9139	1896.894	0.789	4.676	0.346	-59.815	-223.314	1
49139_9139	49139	9139	-1896.9	-0.789	-1.514	0.026	59.815	223.314	1
49139_9140	49139	9140	1896.899	15.531	1.514	-0.026	-50.729	-272.271	1
49140_9140	49140	9140	-1896.9	-15.531	-1.514	0.026	50.729	272.271	1
49140_9141	49140	9141	1896.899	30.273	1.514	-0.026	-41.644	-409.682	1
49141_9141	49141	9141	-1896.89	-30.273	-4.676	-0.656	41.644	409.681	1
49141_9142	49141	9142	1896.894	45.015	4.676	0.656	-13.589	-635.544	1
49142_9142	49142	9142	-1896.9	-62.375	-1.653	-0.137	13.589	635.545	1
49142_9143	49142	9143	1896.899	82.031	1.653	0.137	-0.363	-1213.17	1
49143_9143	49143	9143	-1896.9	-82.031	-4.024	-1.654	0.363	1213.17	1
49143_9144	49143	9144	1896.896	101.687	4.024	1.654	31.833	-1948.05	1
49144_9144	49144	9144	-1896.9	-101.687	-1.653	0.781	-31.833	1948.046	1
49144_9145	49144	9145	1896.899	121.344	1.653	-0.781	45.059	-2840.17	1
49145_9145	49145	9145	-1896.9	-137.774	2.363	0.768	-45.059	2840.17	1
49145_9146	49145	9146	1896.895	156.816	-2.363	-0.768	26.743	-3981.71	1
49146_9146	49146	9146	-1896.9	-156.816	-0.084	-4.369	-26.743	3981.706	1
49146_9147	49146	9147	1896.897	175.858	0.084	4.369	27.395	-5270.82	1
49147_9147	49147	9147	-1896.9	-175.858	2.363	2.432	-27.395	5270.821	1
49147_9148	49147	9148	1896.895	201.298	-2.363	-2.432	4.942	-7062.31	1
49148_9148	49148	9148	-22.875	415.714	0.008	0.392	-19.749	23627.36	1
49148_9149	49148	9149	27.437	-376.752	-0.008	-0.392	19.654	-18643.3	1
49149_9149	49149	9149	-37.83	375.85	0.008	0.934	-19.636	18643.31	1
49149_9150	49149	9150	41.103	-339.145	-0.008	-0.934	19.541	-14158.9	1
49150_9150	49150	9150	-51.433	324.324	-0.647	0.448	-19.444	14158.9	1
49150_9151	49150	9151	53.695	-287.201	0.647	-0.448	28.031	-10101.7	1
49151_9151	49151	9151	-68.974	205.94	0.423	1.319	-14.251	-1180.85	1
49151_9152	49151	9152	69.92	-177.101	-0.423	-1.319	9.28	3431.981	1
49152_9152	49152	9152	-73.892	158.529	0.231	-2.007	-9.21	-3431.98	1
49152_9153	49152	9153	74.12	-138.482	-0.231	2.007	7.301	4657.173	1
49153_9153	49153	9153	-75.689	137.631	0.176	1.464	-7.323	-4657.17	1
49153_9154	49153	9154	75.689	-105.221	-0.176	-1.464	4.899	6326.776	1
49154_9154	49154	9154	-75.689	85.787	-0.029	3.486	-4.899	-6326.78	1
49154_9155	49154	9155	75.689	-59.859	0.029	-3.486	5.223	7127.829	1
49155_9155	49155	9155	-75.689	59.859	0.039	-2.994	-5.223	-7127.83	1
49155_9156	49155	9156	75.689	-33.931	-0.039	2.994	4.79	7643.674	1
49156_9156	49156	9156	-75.689	13.411	0.088	3.894	-4.79	-7643.67	1
49156_9157	49156	9157	75.689	10.16	-0.088	-3.894	3.91	7659.925	1
49157_9157	49157	9157	-75.689	-10.16	0.164	-3.766	-3.91	-7659.93	1
49157_9158	49157	9158	75.689	33.731	-0.164	3.766	2.273	7440.469	1
49158_9158	49158	9158	-75.689	-53.664	0	3.282	-2.273	-7440.47	1
49158_9159	49158	9159	75.689	77.234	0	-3.282	2.269	6785.979	1
49159_9159	49159	9159	-75.689	-77.234	0.076	-3.504	-2.269	-6785.98	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
49159_9160	49159	9160	75.689	100.805	-0.076	3.504	1.508	5895.781	1
49160_9160	49160	9160	-75.689	-120.961	0.199	-0.273	-1.508	-5895.78	1
49160_9161	49160	9161	75.689	146.865	-0.199	0.273	-0.681	4424.078	1
49161_9161	49161	9161	-75.689	-146.865	0.199	-0.277	0.681	-4424.08	1
49161_9162	49161	9162	75.689	172.793	-0.199	0.277	-2.872	2665.958	1
49162_9162	49162	9162	-75.689	-191.556	-0.201	-0.389	2.872	-2665.96	1
49162_9163	49162	9163	75.689	223.966	0.201	0.389	-0.106	-190.759	1.01
49163_9163	49163	9163	-73.138	-224.812	-0.293	-0.621	0.099	190.758	1.01
49163_9164	49163	9164	72.911	244.859	0.293	0.621	2.317	-2128.22	1.01
49164_9164	49164	9164	-67.11	-262.784	0.32	0.855	-2.283	2128.219	1.01
49164_9165	49164	9165	66.164	291.623	-0.32	-0.855	-1.474	-5386.66	1.01
49165_9165	49165	9165	-63.307	-295.435	-1.14	-2.973	9.744	5770.843	1.01
49165_9166	49165	9166	61.06	332.307	1.14	2.973	5.394	-9935.69	1.01
49166_9166	49166	9166	-50.264	-350.104	0.761	-6.202	-5.777	9935.685	1.01
49166_9167	49166	9167	47.012	386.572	-0.761	6.202	-3.767	-14556.1	1.01
49167_9167	49167	9167	-36.318	-387.723	0.825	5.262	4.949	14556.14	1.01
49167_9168	49167	9168	31.784	426.447	-0.825	-5.262	-15.337	-19676.8	1
49168_9168	49168	9168	-1786.61	181.646	-2.959	-0.991	48.057	5138.458	1
49168_9169	49168	9169	1786.605	-156.386	2.959	0.991	-19.946	-3532.81	1
49169_9169	49169	9169	-1786.61	156.386	-1.078	2.728	19.946	3532.806	1
49169_9170	49169	9170	1786.607	-137.26	1.078	-2.728	-11.588	-2394.93	1
49170_9170	49170	9170	-1786.6	137.26	-3.384	-0.362	11.588	2394.929	1
49170_9171	49170	9171	1786.604	-118.135	3.384	0.362	14.637	-1405.27	1
49171_9171	49171	9171	-1786.61	101.061	1.482	0.7	-14.637	1405.271	1
49171_9172	49171	9172	1786.607	-81.319	-1.482	-0.7	2.778	-675.752	1
49172_9172	49172	9172	-1786.61	81.319	-0.751	-0.145	-2.778	675.753	1
49172_9173	49172	9173	1786.607	-61.576	0.751	0.145	8.785	-104.172	1
49173_9173	49173	9173	-1786.61	61.576	1.482	-0.015	-8.785	104.173	1
49173_9174	49173	9174	1786.607	-41.834	-1.482	0.015	-3.073	309.469	1
49174_9174	49174	9174	-1786.61	24.134	0.846	-0.186	3.073	-309.469	1
49174_9175	49174	9175	1786.607	-9.327	-0.846	0.186	-8.15	409.852	1
49175_9175	49175	9175	-1786.61	9.327	-2.132	0.497	8.15	-409.852	1
49175_9176	49175	9176	1786.606	5.48	2.132	-0.497	4.639	421.395	1
49176_9176	49176	9176	-1786.61	-5.48	0.846	-0.205	-4.639	-421.395	1
49176_9177	49176	9177	1786.607	20.286	-0.846	0.205	-0.438	344.098	1
49177_9177	49177	9177	-1786.61	-20.286	0.846	-0.205	0.438	-344.098	1
49177_9178	49177	9178	1786.607	35.093	-0.846	0.205	-5.515	177.96	1
49178_9178	49178	9178	-1786.61	-52.729	-1.951	-0.075	5.515	-177.96	1
49178_9179	49178	9179	1786.606	72.471	1.951	0.075	10.089	-322.842	1
49179_9179	49179	9179	-1786.61	-72.471	0.283	0.329	-10.089	322.842	1
49179_9180	49179	9180	1786.607	92.214	-0.283	-0.329	7.828	-981.582	1
49180_9180	49180	9180	-1786.61	-92.214	-1.951	-0.898	-7.828	981.581	1
49180_9181	49180	9181	1786.606	111.956	1.951	0.898	23.432	-1798.26	1
49181_9181	49181	9181	-1786.61	-128.897	3.614	0.933	-23.432	1798.26	1
49181_9182	49181	9182	1786.607	148.023	-3.614	-0.933	-4.579	-2871.33	1
49182_9182	49182	9182	-1786.61	-148.023	3.614	0.933	4.579	2871.325	1
49182_9183	49182	9183	1786.607	167.148	-3.614	-0.933	-32.589	-4092.61	1
49183_9183	49183	9183	-1786.61	-167.148	1.734	-3.375	32.589	4092.611	1
49183_9184	49183	9184	1786.61	192.408	-1.734	3.375	-49.059	-5800.5	1.02
49184_9184	49184	9184	-38.116	406.034	-1.151	-5.81	6.164	20493.21	1.02
49184_9185	49184	9185	42.65	-367.309	1.151	5.81	8.325	-15629.5	1.03
49185_9185	49185	9185	-52.778	365.992	-1.083	6.876	-9.592	15629.49	1.03
49185_9186	49185	9186	56.029	-329.524	1.083	-6.876	23.186	-11267.3	1.04
49186_9186	49186	9186	-66.141	313.352	1.45	0.34	-22.546	11267.31	1.04
49186_9187	49186	9187	68.387	-276.48	-1.45	-0.34	3.295	-7354.09	1.08
49187_9187	49187	9187	-66.353	187.515	0.15	1.164	-8.89	-4139.68	1.08

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
49187_9188	49187	9188	67.32	-158.058	-0.15	-1.164	7.127	6170.566	1.08
49188_9188	49188	9188	-70.889	139.093	0.332	-2.451	-7.057	-6170.57	1.08
49188_9189	49188	9189	71.122	-118.612	-0.332	2.451	4.317	7233.611	1
49189_9189	49189	9189	-72.465	117.796	0.279	2.817	-4.345	-7244.36	1
49189_9190	49189	9190	72.465	-83.261	-0.279	-2.817	0.503	8626.628	1
49190_9190	49190	9190	-72.465	62.884	-0.017	-3.735	-0.503	-8626.63	1
49190_9191	49190	9191	72.465	-35.256	0.017	3.735	0.691	9166.395	1
49191_9191	49191	9191	-72.465	35.256	-0.083	4.598	-0.691	-9166.39	1
49191_9192	49191	9192	72.465	-7.628	0.083	-4.598	1.604	9402.253	1
49192_9192	49192	9192	-72.465	-13.504	0.006	4.718	-1.604	-9402.25	1
49192_9193	49192	9193	72.465	38.495	-0.006	-4.718	1.544	9143.556	1
49193_9193	49193	9193	-72.465	-38.495	0.079	-4.472	-1.544	-9143.56	1
49193_9194	49193	9194	72.465	63.486	-0.079	4.472	0.759	8636.201	1
49194_9194	49194	9194	-72.465	-84.259	0.031	3.69	-0.759	-8636.2	1
49194_9195	49194	9195	72.465	109.25	-0.031	-3.69	0.447	7673.495	1
49195_9195	49195	9195	-72.465	-109.25	0.104	-4.022	-0.447	-7673.5	1
49195_9196	49195	9196	72.465	134.216	-0.104	4.022	-0.589	6463.472	1
49196_9196	49196	9196	-72.466	-155.343	0.078	1.63	0.589	-6463.48	1
49196_9197	49196	9197	72.466	182.971	-0.078	-1.63	-1.441	4602.752	1
49197_9197	49197	9197	-72.465	-182.971	0.143	-2.554	1.441	-4602.75	1
49197_9198	49197	9198	72.465	210.599	-0.143	2.554	-3.018	2438.121	1
49198_9198	49198	9198	-72.463	-231.037	-0.224	-0.93	3.018	-2438.12	1
49198_9199	49198	9199	72.463	265.597	0.224	0.93	0.063	-978.72	1.03
49199_9199	49199	9199	-69.381	-266.419	-0.171	-0.268	-0.066	999.572	1.03
49199_9200	49199	9200	69.134	287.741	0.171	0.268	1.48	-3285.58	1.03
49200_9200	49200	9200	-62.23	-307.336	-0.66	-1.806	-1.538	3285.584	1.03
49200_9201	49200	9201	61.206	337.991	0.66	1.806	9.293	-7078.54	1.03
49201_9201	49201	9201	-57.229	-343.178	-3.344	-0.483	2.215	7622.526	1.03
49201_9202	49201	9202	54.746	383.377	3.344	0.483	42.183	-12443.5	1.02
49202_9202	49202	9202	-42.143	-404.48	2.868	5.027	-41.79	12443.44	1.02
49202_9203	49202	9203	38.57	444.086	-2.868	-5.027	5.8	-17766.5	1.01
49203_9203	49203	9203	-26.268	-444.983	2.805	-8.929	-7.327	17766.47	1.01
49203_9204	49203	9204	21.32	486.846	-2.805	8.929	-27.979	-23628.3	1.01
49204_9204	49204	9204	-2117.58	200.317	-13.102	-3.173	262.442	6365.294	1.01
49204_9205	49204	9205	2117.577	-172.672	13.102	3.173	-137.973	-4593.59	1
49205_9205	49205	9205	-2117.59	172.672	-10.873	2.995	137.973	4334.013	1
49205_9206	49205	9206	2117.589	-151.601	10.873	-2.995	-53.707	-3077.45	1
49206_9206	49206	9206	-2117.59	151.601	-10.873	2.995	53.707	3077.454	1
49206_9207	49206	9207	2117.589	-130.53	10.873	-2.995	30.559	-1984.2	1
49207_9207	49207	9207	-2117.64	110.989	-3.347	-0.867	-30.559	1984.19	1
49207_9208	49207	9208	2117.64	-89.239	3.347	0.867	57.334	-1183.28	1
49208_9208	49208	9208	-2117.64	89.239	-0.7	0.612	-57.334	1183.277	1
49208_9209	49208	9209	2117.642	-67.488	0.7	-0.612	62.933	-556.371	1
49209_9209	49209	9209	-2117.64	67.488	1.947	1.307	-62.933	556.37	1
49209_9210	49209	9210	2117.642	-45.737	-1.947	-1.307	47.356	-103.47	1
49210_9210	49210	9210	-2117.61	27.367	-5.512	0.018	-47.356	103.464	1
49210_9211	49210	9211	2117.611	-11.054	5.512	-0.018	80.428	11.798	1
49211_9211	49211	9211	-2117.62	11.054	-1.983	-0.001	-80.428	-11.798	1
49211_9212	49211	9212	2117.617	5.26	1.983	0.001	92.325	29.18	1
49212_9212	49212	9212	-2117.62	-5.26	1.546	-0.05	-92.325	-29.18	1
49212_9213	49212	9213	2117.617	21.573	-1.546	0.05	83.047	-51.32	1
49213_9213	49213	9213	-2117.61	-21.573	5.076	0.035	-83.047	51.32	1
49213_9214	49213	9214	2117.612	37.887	-5.076	-0.035	52.592	-229.705	1
49214_9214	49214	9214	-2117.68	-56.006	-6.833	-2.922	-52.592	229.721	1
49214_9215	49214	9215	2117.676	77.731	6.833	2.922	107.193	-764.026	1
49215_9215	49215	9215	-2117.69	-77.731	-1.566	-1.022	-107.193	764.031	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
49215_9216	49215	9216	2117.686	99.483	1.566	1.022	119.725	-1472.94	1
49216_9216	49216	9216	-2117.68	-99.483	3.727	2.66	-119.725	1472.94	1
49216_9217	49216	9217	2117.683	121.236	-3.727	-2.66	89.906	-2355.92	1
49217_9217	49217	9217	-2117.64	-141.317	11.074	-11.748	-89.906	2356.111	1
49217_9218	49217	9218	2117.635	162.391	-11.074	11.748	4.073	-3533.15	1
49218_9218	49218	9218	-2117.58	-162.391	19.268	1.924	-4.073	3533.165	1
49218_9219	49218	9219	2117.576	183.467	-19.268	-1.924	-145.287	-4873.65	1
49219_9219	49219	9219	-2117.57	-183.467	20.131	6.376	145.287	5133.227	1
49219_9220	49219	9220	2117.568	211.118	-20.131	-6.376	-336.569	-7007.92	1
49220_9220	49220	9220	-5.282	458.11	-3.216	-29.224	25.891	24526.38	1
49220_9221	49220	9221	10.229	-416.267	3.216	29.224	14.575	-19028.7	1
49221_9221	49221	9221	-21.794	415.823	-3.029	31.405	-20.811	19028.73	1
49221_9222	49221	9222	25.367	-376.201	3.029	-31.405	58.84	-14058.5	1.01
49222_9222	49222	9222	-37.22	352.039	4.832	-1.447	-55.799	14060.27	1.01
49222_9223	49222	9223	39.703	-311.851	-4.832	1.447	-8.333	-9656.38	1.01
49223_9223	49223	9223	-54.639	218.048	1.735	-1.76	-32.367	-1947.28	1.01
49223_9224	49223	9224	55.684	-186.789	-1.735	1.76	11.974	4326.142	1.04
49224_9224	49224	9224	-59.987	167.513	0.837	11.361	-12.158	-4326.85	1.04
49224_9225	49224	9225	60.239	-145.746	-0.837	-11.361	5.247	5620.045	1
49225_9225	49225	9225	-61.919	145.039	1.045	-7.624	-5.115	-5628.68	1
49225_9226	49225	9226	61.919	-105.451	-1.045	7.624	-10.023	7442.592	1
49226_9226	49226	9226	-61.935	86.525	0.263	11.346	10.023	-7443.44	1
49226_9227	49226	9227	61.935	-55.441	-0.263	-11.346	-13.016	8250.646	1
49227_9227	49227	9227	-61.934	55.441	0.426	-10.395	13.016	-8250.65	1
49227_9228	49227	9228	61.934	-24.352	-0.426	10.395	-17.865	8704.4	1
49228_9228	49228	9228	-61.936	5.912	0.252	10.891	17.865	-8704.77	1
49228_9229	49228	9229	61.936	25.156	-0.252	-10.891	-20.733	8595.406	1
49229_9229	49229	9229	-61.935	-25.156	0.416	-11.762	20.733	-8595.4	1
49229_9230	49229	9230	61.935	56.228	-0.416	11.762	-25.457	8132.837	1
49230_9230	49230	9230	-61.938	-75.479	1.626	11.191	25.457	-8132.49	1
49230_9231	49230	9231	61.938	108.392	-1.626	-11.191	-45.039	7025.493	1
49231_9231	49231	9231	-61.934	-108.392	1.769	-5.019	45.039	-7025.5	1
49231_9232	49231	9232	61.934	132.93	-1.769	5.019	-60.922	5942.342	1.03
49232_9232	49232	9232	-61.188	-133.272	2.001	-27.627	60.769	-5942.28	1.03
49232_9233	49232	9233	61.14	141.854	-2.001	27.627	-66.927	5519.062	1.02
49233_9233	49233	9233	-58.797	-161.832	-4.341	4.557	67.179	-5518.91	1.02
49233_9234	49233	9234	58.284	188.514	4.341	-4.557	-25.797	3849.317	1.02
49234_9234	49234	9234	-54.801	-189.559	-4.178	-6.061	25.494	-3849.32	1.02
49234_9235	49234	9235	54.014	210.415	4.178	6.061	5.392	2371.104	1.01
49235_9235	49235	9235	-50.771	-211.224	-3.993	-13.072	-5.863	-2371.08	1.01
49235_9236	49235	9236	49.653	232.241	3.993	13.072	30.755	988.86	1.01
49236_9236	49236	9236	-44.37	-251.662	6.075	-6.79	-30.572	-988.785	1.01
49236_9237	49236	9237	41.967	285.607	-6.075	6.79	-29.385	-1661.73	1.01
49237_9237	49237	9237	-28.801	-302.825	5.702	0.22	133.576	4313.461	1.01
49237_9238	49237	9238	25.714	336.39	-5.702	-0.22	-187.033	-7309.12	1.01
49238_9238	49238	9238	-15.898	-361.296	-4.835	-13.937	185.832	7308.278	1.01
49238_9239	49238	9239	12.162	394.592	4.835	13.937	-142.356	-10706.1	1
49239_9239	49239	9239	-6.69	-394.724	-4.72	5.687	144.877	10706.08	1
49239_9240	49239	9240	4.797	409.711	4.72	-5.687	-126.262	-12292.1	1
49240_9240	49240	9240	-1632.18	256.762	15.798	14.755	679.751	2701.095	1
49240_9241	49240	9241	1632.181	-235.718	-15.798	-14.755	-779.775	-1142.05	1
49241_9241	49241	9241	-1629.8	187.942	-34.128	-0.59	779.775	1141.318	1
49241_9242	49241	9242	1629.802	-177.437	34.128	0.59	-671.906	-563.89	1
49242_9242	49242	9242	-1629.87	177.437	-30.981	0.499	671.906	563.89	1
49242_9243	49242	9243	1629.865	-137.006	30.981	-0.499	-289.17	1378.397	1
49243_9243	49243	9243	-1629.94	137.006	-26.666	-3.15	289.17	-1378.39	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
49243_9244	49243	9244	1629.941	-107.604	26.666	3.15	-49.601	2477.172	1
49244_9244	49244	9244	-1629.67	83.143	-30.343	6.138	49.601	-2476.49	1
49244_9245	49244	9245	1629.674	-48.935	30.343	-6.138	267.551	3166.747	1
49245_9245	49245	9245	-1629.75	48.935	-25.814	-2.661	-267.551	-3166.75	1
49245_9246	49245	9246	1629.752	-18.926	25.814	2.661	504.256	3477.877	1
49246_9246	49246	9246	-1630.19	3.06	-9.974	6.357	-504.256	-3477.19	1
49246_9247	49246	9247	1630.19	31.462	9.974	-6.357	609.471	3327.386	1
49247_9247	49247	9247	-1630.21	-31.462	-4.537	-4.741	-609.471	-3327.39	1
49247_9248	49247	9248	1630.214	61.194	4.537	4.741	650.692	2906.511	1
49248_9248	49248	9248	-1630.27	-78.682	0.836	2.514	-650.692	-2906.13	1
49248_9249	49248	9249	1630.272	109.736	-0.836	-2.514	642.757	2012.216	1
49249_9249	49249	9249	-1630.27	-109.736	4.824	-2.408	-642.757	-2012.22	1
49249_9250	49249	9250	1630.265	142.903	-4.824	2.408	593.871	732.027	1
49250_9250	49250	9250	-1630.42	-160.053	19.933	-2.503	-593.871	-731.959	1
49250_9251	49250	9251	1630.419	192.378	-19.933	2.503	396.996	-1008.53	1
49251_9251	49251	9251	-1630.37	-192.378	23.929	-0.032	-396.996	1008.531	1
49251_9252	49251	9252	1630.365	224.283	-23.929	0.032	163.719	-3039.52	1
49252_9252	49252	9252	-1629.95	-253.27	2.423	-64.084	-163.719	3038.391	1
49252_9253	49252	9253	1629.949	263.61	-2.423	64.084	156.063	-3854.92	1
49253_9253	49253	9253	-1629.94	-263.61	5.453	-56.918	-156.063	3855.032	1
49253_9254	49253	9254	1629.942	295.187	-5.453	56.918	104.253	-6509.44	1.01
49254_9254	49254	9254	-4.76	360.133	-28.7	67.68	109.433	16868.63	1.01
49254_9255	49254	9255	10.007	-315.519	28.7	-67.68	232.736	-12843.3	1.02
49255_9255	49255	9255	-22.142	272.906	22.193	-16.261	-222.688	12841.93	1.02
49255_9256	49255	9256	25.698	-234.604	-22.193	16.261	-14.37	-10132.7	1.03
49256_9256	49256	9256	-31.194	233.921	22.36	19.14	11.517	10132.68	1.03
49256_9257	49256	9257	33.826	-195.713	-22.36	-19.14	-257.682	-7768.76	1.03
49257_9257	49257	9257	-38.391	168.921	-9.668	-10.25	259.265	7768.637	1.03
49257_9258	49257	9258	39.237	-152.57	9.668	10.25	-212.821	-6996.47	1.04
49258_9258	49258	9258	-41.834	151.883	-9.589	-2.199	212.211	6996.494	1.04
49258_9259	49258	9259	42.838	-123.016	9.589	2.199	-115.289	-5607.52	1.04
49259_9259	49259	9259	-45.12	122.207	-9.464	10.516	114.986	5607.516	1.04
49259_9260	49259	9260	45.432	-103.144	9.464	-10.516	-51.315	-4849.55	1.04
49260_9260	49260	9260	-123.782	126.882	0.255	24.092	-7.643	-4730.88	1.04
49260_9261	49260	9261	123.834	-117.691	-0.255	-24.092	6.837	5118.125	1
49261_9261	49261	9261	-124.496	116.988	0.65	8.049	-6.7	-5086.63	1
49261_9262	49261	9262	124.496	-84.244	-0.65	-8.049	-0.747	6239.809	1
49262_9262	49262	9262	-124.494	84.244	1.042	-11.629	0.747	-6239.8	1
49262_9263	49262	9263	124.494	-56.041	-1.042	11.629	-11.038	6932.207	1
49263_9263	49263	9263	-124.493	33.732	1.197	7.434	11.038	-6932.69	1
49263_9264	49263	9264	124.493	-0.177	-1.197	-7.434	-25.102	7131.82	1
49264_9264	49264	9264	-124.49	0.177	1.422	-5.447	25.102	-7131.82	1
49264_9265	49264	9265	124.49	32.146	-1.422	5.447	-41.194	6950.978	1
49265_9265	49265	9265	-124.503	-52.952	0.911	5.263	41.194	-6951.71	1
49265_9266	49265	9266	124.503	86.568	-0.911	-5.263	-51.918	6130.883	1
49266_9266	49266	9266	-124.501	-86.568	1.124	-5.182	51.918	-6130.88	1
49266_9267	49266	9267	124.501	118.835	-1.124	5.182	-64.607	4970.956	1
49267_9267	49267	9267	-124.49	-139.757	1.899	2.592	64.607	-4971.68	1
49267_9268	49267	9268	124.49	158.865	-1.899	-2.592	-77.307	3973.053	1
49268_9268	49268	9268	-124.489	-158.865	1.969	0.359	77.307	-3973.05	1
49268_9269	49268	9269	124.489	178.091	-1.969	-0.359	-90.556	2839.315	1.05
49269_9269	49269	9269	-122.235	-179.643	2.166	-5.835	90.49	-2870.86	1.05
49269_9270	49269	9270	121.859	209.518	-2.166	5.835	-111.366	995.87	1.05
49270_9270	49270	9270	-116.719	-232.293	-3.145	-6.084	111.287	-996.053	1.05
49270_9271	49270	9271	115.599	264.768	3.145	6.084	-78.642	-1582.85	1.05
49271_9271	49271	9271	-110.27	-267.034	-2.927	-4.609	78.671	1571.126	1.05

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
49271_9272	49271	9272	108.671	296.324	2.927	4.609	-54.796	-3868.73	1.03
49272_9272	49272	9272	-104.434	-297.847	-2.633	3.7	55.351	3868.722	1.03
49272_9273	49272	9273	103.135	316.679	2.633	-3.7	-41.763	-5454.45	1.02
49273_9273	49273	9273	-95.044	-340.429	7.046	-26.531	39.241	5455.443	1.02
49273_9274	49273	9274	91.116	385.21	-7.046	26.531	-123.364	-9784.99	1.02
49274_9274	49274	9274	-80.562	-387.546	7.512	6.478	126.786	9784.977	1.02
49274_9275	49274	9275	74.6	439.278	-7.512	-6.478	-225.515	-15215.2	1
49275_9275	49275	9275	-1740.81	90.342	-46.824	1.187	1033.149	1279.423	1
49275_9276	49275	9276	1740.812	-73.312	46.824	-1.187	-804.516	-879.88	1
49276_9276	49276	9276	-1740.86	73.312	-44.818	2.201	804.516	879.878	1
49276_9277	49276	9277	1740.864	-57.199	44.818	-2.201	-597.468	-578.413	1
49277_9277	49277	9277	-1740.94	57.199	-41.974	-0.537	597.468	731.176	1
49277_9278	49277	9278	1740.935	-27.3	41.974	0.537	-210.808	-341.984	1
49278_9278	49278	9278	-2618.6	234.428	-28.314	-11.418	297.332	7219.924	1
49278_9279	49278	9279	2618.596	-197.842	28.314	11.418	22.855	-4775.81	1
49279_9279	49279	9279	-2618.69	197.842	-17.1	9.034	-22.855	4775.818	1
49279_9280	49279	9280	2618.694	-160.141	17.1	-9.034	222.117	-2690.1	1
49280_9280	49280	9280	-2619.13	136.59	-24.557	-3.156	-222.117	2690.608	1
49280_9281	49280	9281	2619.132	-98.707	24.557	3.156	509.659	-1313.05	1
49281_9281	49281	9281	-2619.21	98.707	-14.013	2.13	-509.659	1313.057	1
49281_9282	49281	9282	2619.21	-60.07	14.013	-2.13	677.006	-365.003	1
49282_9282	49282	9282	-2619.36	35.622	-11.228	-0.455	-677.006	365.095	1
49282_9283	49282	9283	2619.357	0.928	11.228	0.455	816.305	-149.881	1
49283_9283	49283	9283	-2619.38	-0.928	1.306	0.262	-816.305	149.881	1
49283_9284	49283	9284	2619.381	34.029	-1.306	-0.262	801.633	-346.262	1
49284_9284	49284	9284	-2618.12	-68.286	53.264	-2.214	-801.633	346.341	1
49284_9285	49284	9285	2618.117	98.122	-53.264	2.214	262.209	-1188.98	1
49285_9285	49285	9285	-2617.95	-98.122	61.009	1.304	-262.209	1188.983	1
49285_9286	49285	9286	2617.948	125.751	-61.009	-1.304	-309.956	-2238.76	1
49286_9286	49286	9286	-2617.88	-160.838	-9.999	-34.755	309.956	2238.856	1
49286_9287	49286	9287	2617.877	172.694	9.999	34.755	-269.716	-2909.99	1
49287_9287	49287	9287	-2617.87	-172.694	-11.492	-35.406	269.716	2680.255	1
49287_9288	49287	9288	2617.871	202.976	11.492	35.406	-160.565	-4464.34	1.01
49288_9288	49288	9288	35.192	772.129	-23.313	55.501	-43.869	24258.54	1.01
49288_9289	49288	9289	-30.918	-733.05	23.313	-55.501	293.856	-16190.2	1.02
49289_9289	49289	9289	2.989	632.541	18.704	-14.451	-285.842	16194.07	1.02
49289_9290	49289	9290	0.353	-590.988	-18.704	14.451	63.216	-8914.26	1.02
49290_9290	49290	9290	-18.199	590.704	18.825	10.091	-64.756	8914.25	1.02
49290_9291	49290	9291	20.159	-551.503	-18.825	-10.091	-153.592	-2291.2	1.03
49291_9291	49291	9291	-32.975	510.924	-12.289	6.796	153.769	2291.354	1.03
49291_9292	49291	9292	33.396	-497.118	12.289	-6.796	-102.787	-200.415	1.05
49292_9292	49292	9292	-41.934	496.474	-12.162	4.359	102.897	205.206	1.05
49292_9293	49292	9293	42.245	-473.274	12.162	-4.359	-5.459	3679.514	1.08
49293_9293	49293	9293	-48.482	472.678	-12.062	-3.214	5.518	-3679.52	1.08
49293_9294	49293	9294	48.488	-449.613	12.062	3.214	90.79	7361.367	1.08
49294_9294	49294	9294	-48.323	409.603	-1.303	35.898	-90.791	-7362.49	1.08
49294_9295	49294	9295	48.323	-398.026	1.303	-35.898	96.013	8980.9	1
49295_9295	49295	9295	-48.327	398.026	-1.14	5.693	-96.013	-8980.97	1
49295_9296	49295	9296	48.327	-363.993	1.14	-5.693	107.63	12861.99	1
49296_9296	49296	9296	-48.33	363.993	-1.028	-24.308	-107.63	-12862	1
49296_9297	49296	9297	48.33	-336.388	1.028	24.308	116.121	15755.27	1
49297_9297	49297	9297	-38.22	332.823	1.496	28.447	-23.777	-9884.37	1
49297_9298	49297	9298	38.22	-294.619	-1.496	-28.447	6.583	13489.85	1
49298_9298	49298	9298	-38.214	294.619	1.626	-17.44	-6.583	-13489.9	1
49298_9299	49298	9299	38.214	-259.118	-1.626	17.44	-10.782	16446.71	1
49299_9299	49299	9299	-38.237	221.857	0.581	37.814	10.782	-16449.1	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
49299_9300	49299	9300	38.237	-185.954	-0.581	-37.814	-17.061	18651.35	1
49300_9300	49300	9300	-38.235	185.954	0.705	-22.437	17.061	-18651.4	1
49300_9301	49300	9301	38.235	-143.384	-0.705	22.437	-26.088	20760.14	1
49301_9301	49301	9301	-38.268	105.582	-0.807	46.195	26.088	-20762.8	1
49301_9302	49301	9302	38.268	-66.164	0.807	-46.195	-16.525	21781.08	1
49302_9302	49302	9302	-38.271	66.164	-0.657	-38.761	16.525	-21781.1	1
49302_9303	49302	9303	38.271	-27.086	0.657	38.761	-8.799	22329.21	1
49303_9303	49303	9303	-38.261	-10.293	-0.026	36.147	8.799	-22332.4	1
49303_9304	49303	9304	38.261	52.049	0.026	-36.147	-8.472	21940.89	1
49304_9304	49304	9304	-38.261	-52.049	0.102	-37.404	8.472	-21940.9	1
49304_9305	49304	9305	38.261	88.758	-0.102	37.404	-9.601	21163.42	1
49305_9305	49305	9305	-38.267	-125.251	-0.103	41.794	9.601	-21166.1	1
49305_9306	49305	9306	38.267	161.986	0.103	-41.794	-8.467	19579.06	1
49306_9306	49306	9306	-38.268	-161.986	0.053	-37.911	8.467	-19579.1	1
49306_9307	49306	9307	38.268	203.714	-0.053	37.911	-9.134	17283.81	1
49307_9307	49307	9307	-38.26	-236.957	0.51	15.157	9.134	-17286	1
49307_9308	49307	9308	38.26	276.486	-0.51	-15.157	-15.203	14233.32	1
49308_9308	49308	9308	-38.259	-276.486	0.609	-21.603	15.203	-14233.3	1
49308_9309	49308	9309	38.259	315.388	-0.609	21.603	-22.332	10770.08	1
49309_9309	49309	9309	-38.314	-345.986	-2.105	4.38	22.332	-10771.3	1
49309_9310	49309	9310	38.314	385.69	2.105	-4.38	2.811	6401.783	1
49310_9310	49310	9310	-38.32	-385.69	-1.977	-16.992	-2.811	-6401.76	1
49310_9311	49310	9311	38.32	424.43	1.977	16.992	25.853	1681.279	1
49311_9311	49311	9311	-38.134	-443.572	7.794	-13.213	-25.853	-1681.41	1
49311_9312	49311	9312	38.134	454.6	-7.794	13.213	0	191.678	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1	2	3	4	5	6	7	8	9	14
9000_9000	9000	9000	0	0	0	0	0	0	1
9000_9001	9000	9001	0	0	0	0	0	0	1
9001_9001	9001	9001	0	0	0	0	0	0	1
9001_9002	9001	9002	0	0	0	0	0	0	1
9002_9002	9002	9002	0	0	0	0	0	0	1
9002_9003	9002	9003	0	0	0	0	0	0	1
9003_9003	9003	9003	0	0	0	0	0	0	1
9003_9004	9003	9004	0	0	0	0	0	0	1
9004_9004	9004	9004	0	0	0	0	0	0	1
9004_9005	9004	9005	0	0	0	0	0	0	1
9005_9005	9005	9005	0	0	0	0	0	0	1
9005_9006	9005	9006	0	0	0	0	0	0	1
9006_9006	9006	9006	0	0	0	0	0	0	1
9006_9007	9006	9007	0	0	0	0	0	0	1
9007_9007	9007	9007	0	0	0	0	0	0	1
9007_9008	9007	9008	0	0	0	0	0	0	1
9008_9008	9008	9008	0	0	0	0	0	0	1
9008_9009	9008	9009	0	0	0	0	0	0	1
9009_9009	9009	9009	0	0	0	0	0	0	1
9009_9010	9009	9010	0	0	0	0	0	0	1
9010_9010	9010	9010	0	0	0	0	0	0	1
9010_9011	9010	9011	0	0	0	0	0	0	1
9011_9011	9011	9011	0	0	0	0	0	0	1
9011_9012	9011	9012	0	0	0	0	0	0	1
9012_9012	9012	9012	0	0	0	0	0	0	1
9012_9013	9012	9013	0	0	0	0	0	0	1
9013_9013	9013	9013	0	0	0	0	0	0	1
9013_9014	9013	9014	0	0	0	0	0	0	1
9014_9014	9014	9014	0	0	0	0	0	0	1
9014_9015	9014	9015	0	0	0	0	0	0	1
9015_9015	9015	9015	0	0	0	0	0	0	1
9015_9016	9015	9016	0	0	0	0	0	0	1
9016_9016	9016	9016	0	0	0	0	0	0	1
9016_9017	9016	9017	0	0	0	0	0	0	1.06
9017_9017	9017	9017	0	0	0	0	0	0	1.06
9017_9018	9017	9018	0	0	0	0	0	0	1.03
9018_9018	9018	9018	0	0	0	0	0	0	1.03
9018_9019	9018	9019	0	0	0	0	0	0	1.02
9019_9019	9019	9019	0	0	0	0	0	0	1.02
9019_9020	9019	9020	0	0	0	0	0	0	1.02
9020_9020	9020	9020	0	0	0	0	0	0	1.02
9020_9021	9020	9021	0	0	0	0	0	0	1
9021_9021	9021	9021	0	0	0	0	0	0	1
9021_9022	9021	9022	0	0	0	0	0	0	1
9022_9022	9022	9022	0	0	0	0	0	0	1
9022_9023	9022	9023	0	0	0	0	0	0	1
9023_9023	9023	9023	0	0	0	0	0	0	1
9023_9024	9023	9024	0	0	0	0	0	0	1
9024_9024	9024	9024	0	0	0	0	0	0	1
9024_9025	9024	9025	0	0	0	0	0	0	1
9025_9025	9025	9025	0	0	0	0	0	0	1
9025_9026	9025	9026	0	0	0	0	0	0	1
9026_9026	9026	9026	0	0	0	0	0	0	1
9026_9027	9026	9027	0	0	0	0	0	0	1
9027_9027	9027	9027	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9027_9028	9027	9028	0	0	0	0	0	0	1
9028_9028	9028	9028	0	0	0	0	0	0	1
9028_9029	9028	9029	0	0	0	0	0	0	1
9029_9029	9029	9029	0	0	0	0	0	0	1
9029_9030	9029	9030	0	0	0	0	0	0	1
9030_9030	9030	9030	0	0	0	0	0	0	1
9030_9031	9030	9031	0	0	0	0	0	0	1
9031_9031	9031	9031	0	0	0	0	0	0	1
9031_9032	9031	9032	0	0	0	0	0	0	1
9032_9032	9032	9032	0	0	0	0	0	0	1
9032_9033	9032	9033	0	0	0	0	0	0	1
9033_9033	9033	9033	0	0	0	0	0	0	1
9033_9034	9033	9034	0	0	0	0	0	0	1
9034_9034	9034	9034	0	0	0	0	0	0	1
9034_9035	9034	9035	0	0	0	0	0	0	1
9035_9035	9035	9035	0	0	0	0	0	0	1
9035_9036	9035	9036	0	0	0	0	0	0	1.01
9036_9036	9036	9036	0	0	0	0	0	0	1.01
9036_9037	9036	9037	0	0	0	0	0	0	1.02
9037_9037	9037	9037	0	0	0	0	0	0	1.02
9037_9038	9037	9038	0	0	0	0	0	0	1.02
9038_9038	9038	9038	0	0	0	0	0	0	1.02
9038_9039	9038	9039	0	0	0	0	0	0	1.03
9039_9039	9039	9039	0	0	0	0	0	0	1.03
9039_9040	9039	9040	0	0	0	0	0	0	1.05
9040_9040	9040	9040	0	0	0	0	0	0	1.05
9040_9041	9040	9041	0	0	0	0	0	0	1.07
9041_9041	9041	9041	0	0	0	0	0	0	1.07
9041_9042	9041	9042	0	0	0	0	0	0	1
9042_9042	9042	9042	0	0	0	0	0	0	1
9042_9043	9042	9043	0	0	0	0	0	0	1
9043_9043	9043	9043	0	0	0	0	0	0	1
9043_9044	9043	9044	0	0	0	0	0	0	1
9044_9044	9044	9044	0	0	0	0	0	0	1
9044_9045	9044	9045	0	0	0	0	0	0	1
9045_9045	9045	9045	0	0	0	0	0	0	1
9045_9046	9045	9046	0	0	0	0	0	0	1
9046_9046	9046	9046	0	0	0	0	0	0	1
9046_9047	9046	9047	0	0	0	0	0	0	1
9047_9047	9047	9047	0	0	0	0	0	0	1
9047_9048	9047	9048	0	0	0	0	0	0	1
9048_9048	9048	9048	0	0	0	0	0	0	1
9048_9049	9048	9049	0	0	0	0	0	0	1
9049_9049	9049	9049	0	0	0	0	0	0	1
9049_9050	9049	9050	0	0	0	0	0	0	1
9050_9050	9050	9050	0	0	0	0	0	0	1
9050_9051	9050	9051	0	0	0	0	0	0	1.15
9051_9051	9051	9051	0	0	0	0	0	0	1.15
9051_9052	9051	9052	0	0	0	0	0	0	1.06
9052_9052	9052	9052	0	0	0	0	0	0	1.06
9052_9053	9052	9053	0	0	0	0	0	0	1.03
9053_9053	9053	9053	0	0	0	0	0	0	1.03
9053_9054	9053	9054	0	0	0	0	0	0	1.02
9054_9054	9054	9054	0	0	0	0	0	0	1.02
9054_9055	9054	9055	0	0	0	0	0	0	1.01
9055_9055	9055	9055	0	0	0	0	0	0	1.01

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9055_9056	9055	9056	0	0	0	0	0	0	1.01
9056_9056	9056	9056	0	0	0	0	0	0	1.01
9056_9057	9056	9057	0	0	0	0	0	0	1
9057_9057	9057	9057	0	0	0	0	0	0	1
9057_9058	9057	9058	0	0	0	0	0	0	1
9058_9058	9058	9058	0	0	0	0	0	0	1
9058_9059	9058	9059	0	0	0	0	0	0	1
9059_9059	9059	9059	0	0	0	0	0	0	1
9059_9060	9059	9060	0	0	0	0	0	0	1
9060_9060	9060	9060	0	0	0	0	0	0	1
9060_9061	9060	9061	0	0	0	0	0	0	1
9061_9061	9061	9061	0	0	0	0	0	0	1
9061_9062	9061	9062	0	0	0	0	0	0	1
9062_9062	9062	9062	0	0	0	0	0	0	1
9062_9063	9062	9063	0	0	0	0	0	0	1
9063_9063	9063	9063	0	0	0	0	0	0	1
9063_9064	9063	9064	0	0	0	0	0	0	1
9064_9064	9064	9064	0	0	0	0	0	0	1
9064_9065	9064	9065	0	0	0	0	0	0	1
9065_9065	9065	9065	0	0	0	0	0	0	1
9065_9066	9065	9066	0	0	0	0	0	0	1
9066_9066	9066	9066	0	0	0	0	0	0	1
9066_9067	9066	9067	0	0	0	0	0	0	1
9067_9067	9067	9067	0	0	0	0	0	0	1
9067_9068	9067	9068	0	0	0	0	0	0	1
9068_9068	9068	9068	0	0	0	0	0	0	1
9068_9069	9068	9069	0	0	0	0	0	0	1
9069_9069	9069	9069	0	0	0	0	0	0	1
9069_9070	9069	9070	0	0	0	0	0	0	1
9070_9070	9070	9070	0	0	0	0	0	0	1
9070_9071	9070	9071	0	0	0	0	0	0	1
9071_9071	9071	9071	0	0	0	0	0	0	1
9071_9072	9071	9072	0	0	0	0	0	0	1.01
9072_9072	9072	9072	0	0	0	0	0	0	1.01
9072_9073	9072	9073	0	0	0	0	0	0	1.01
9073_9073	9073	9073	0	0	0	0	0	0	1.01
9073_9074	9073	9074	0	0	0	0	0	0	1.01
9074_9074	9074	9074	0	0	0	0	0	0	1.01
9074_9075	9074	9075	0	0	0	0	0	0	1.03
9075_9075	9075	9075	0	0	0	0	0	0	1.03
9075_9076	9075	9076	0	0	0	0	0	0	1.03
9076_9076	9076	9076	0	0	0	0	0	0	1.03
9076_9077	9076	9077	0	0	0	0	0	0	1
9077_9077	9077	9077	0	0	0	0	0	0	1
9077_9078	9077	9078	0	0	0	0	0	0	1
9078_9078	9078	9078	0	0	0	0	0	0	1
9078_9079	9078	9079	0	0	0	0	0	0	1
9079_9079	9079	9079	0	0	0	0	0	0	1
9079_9080	9079	9080	0	0	0	0	0	0	1
9080_9080	9080	9080	0	0	0	0	0	0	1
9080_9081	9080	9081	0	0	0	0	0	0	1
9081_9081	9081	9081	0	0	0	0	0	0	1
9081_9082	9081	9082	0	0	0	0	0	0	1
9082_9082	9082	9082	0	0	0	0	0	0	1
9082_9083	9082	9083	0	0	0	0	0	0	1
9083_9083	9083	9083	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9083_9084	9083	9084	0	0	0	0	0	0	1
9084_9084	9084	9084	0	0	0	0	0	0	1
9084_9085	9084	9085	0	0	0	0	0	0	1
9085_9085	9085	9085	0	0	0	0	0	0	1
9085_9086	9085	9086	0	0	0	0	0	0	1
9086_9086	9086	9086	0	0	0	0	0	0	1
9086_9087	9086	9087	0	0	0	0	0	0	1
9087_9087	9087	9087	0	0	0	0	0	0	1
9087_9088	9087	9088	0	0	0	0	0	0	1
9088_9088	9088	9088	0	0	0	0	0	0	1
9088_9089	9088	9089	0	0	0	0	0	0	1.08
9089_9089	9089	9089	0	0	0	0	0	0	1.08
9089_9090	9089	9090	0	0	0	0	0	0	1.08
9090_9090	9090	9090	0	0	0	0	0	0	1.08
9090_9091	9090	9091	0	0	0	0	0	0	1.02
9091_9091	9091	9091	0	0	0	0	0	0	1.02
9091_9092	9091	9092	0	0	0	0	0	0	1.02
9092_9092	9092	9092	0	0	0	0	0	0	1.02
9092_9093	9092	9093	0	0	0	0	0	0	1.02
9093_9093	9093	9093	0	0	0	0	0	0	1.02
9093_9094	9093	9094	0	0	0	0	0	0	1
9094_9094	9094	9094	0	0	0	0	0	0	1
9094_9095	9094	9095	0	0	0	0	0	0	1
9095_9095	9095	9095	0	0	0	0	0	0	1
9095_9096	9095	9096	0	0	0	0	0	0	1
9096_9096	9096	9096	0	0	0	0	0	0	1
9096_9097	9096	9097	0	0	0	0	0	0	1
9097_9097	9097	9097	0	0	0	0	0	0	1
9097_9098	9097	9098	0	0	0	0	0	0	1
9098_9098	9098	9098	0	0	0	0	0	0	1
9098_9099	9098	9099	0	0	0	0	0	0	1
9099_9099	9099	9099	0	0	0	0	0	0	1
9099_9100	9099	9100	0	0	0	0	0	0	1
9100_9100	9100	9100	0	0	0	0	0	0	1
9100_9101	9100	9101	0	0	0	0	0	0	1
9101_9101	9101	9101	0	0	0	0	0	0	1
9101_9102	9101	9102	0	0	0	0	0	0	1
9102_9102	9102	9102	0	0	0	0	0	0	1
9102_9103	9102	9103	0	0	0	0	0	0	1
9103_9103	9103	9103	0	0	0	0	0	0	1
9103_9104	9103	9104	0	0	0	0	0	0	1
9104_9104	9104	9104	0	0	0	0	0	0	1
9104_9105	9104	9105	0	0	0	0	0	0	1
9105_9105	9105	9105	0	0	0	0	0	0	1
9105_9106	9105	9106	0	0	0	0	0	0	1
9106_9106	9106	9106	0	0	0	0	0	0	1
9106_9107	9106	9107	0	0	0	0	0	0	1
9107_9107	9107	9107	0	0	0	0	0	0	1
9107_9108	9107	9108	0	0	0	0	0	0	1
9108_9108	9108	9108	0	0	0	0	0	0	1
9108_9109	9108	9109	0	0	0	0	0	0	1
9109_9109	9109	9109	0	0	0	0	0	0	1
9109_9110	9109	9110	0	0	0	0	0	0	1.01
9110_9110	9110	9110	0	0	0	0	0	0	1.01
9110_9111	9110	9111	0	0	0	0	0	0	1.01
9111_9111	9111	9111	0	0	0	0	0	0	1.01

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9111_9112	9111	9112	0	0	0	0	0	0	1.01
9112_9112	9112	9112	0	0	0	0	0	0	1.01
9112_9113	9112	9113	0	0	0	0	0	0	1.03
9113_9113	9113	9113	0	0	0	0	0	0	1.03
9113_9114	9113	9114	0	0	0	0	0	0	1.03
9114_9114	9114	9114	0	0	0	0	0	0	1.03
9114_9115	9114	9115	0	0	0	0	0	0	1.11
9115_9115	9115	9115	0	0	0	0	0	0	1.11
9115_9116	9115	9116	0	0	0	0	0	0	1
9116_9116	9116	9116	0	0	0	0	0	0	1
9116_9117	9116	9117	0	0	0	0	0	0	1
9117_9117	9117	9117	0	0	0	0	0	0	1
9117_9118	9117	9118	0	0	0	0	0	0	1
9118_9118	9118	9118	0	0	0	0	0	0	1
9118_9119	9118	9119	0	0	0	0	0	0	1
9119_9119	9119	9119	0	0	0	0	0	0	1
9119_9120	9119	9120	0	0	0	0	0	0	1
9120_9120	9120	9120	0	0	0	0	0	0	1
9120_9121	9120	9121	0	0	0	0	0	0	1
9121_9121	9121	9121	0	0	0	0	0	0	1
9121_9122	9121	9122	0	0	0	0	0	0	1
9122_9122	9122	9122	0	0	0	0	0	0	1
9122_9123	9122	9123	0	0	0	0	0	0	1
9123_9123	9123	9123	0	0	0	0	0	0	1
9123_9124	9123	9124	0	0	0	0	0	0	1
9124_9124	9124	9124	0	0	0	0	0	0	1
9124_9125	9124	9125	0	0	0	0	0	0	1
9125_9125	9125	9125	0	0	0	0	0	0	1
9125_9126	9125	9126	0	0	0	0	0	0	1
9126_9126	9126	9126	0	0	0	0	0	0	1
9126_9127	9126	9127	0	0	0	0	0	0	1
9127_9127	9127	9127	0	0	0	0	0	0	1
9127_9128	9127	9128	0	0	0	0	0	0	1
9128_9128	9128	9128	0	0	0	0	0	0	1
9128_9129	9128	9129	0	0	0	0	0	0	1.07
9129_9129	9129	9129	0	0	0	0	0	0	1.07
9129_9130	9129	9130	0	0	0	0	0	0	1.04
9130_9130	9130	9130	0	0	0	0	0	0	1.04
9130_9131	9130	9131	0	0	0	0	0	0	1.03
9131_9131	9131	9131	0	0	0	0	0	0	1.03
9131_9132	9131	9132	0	0	0	0	0	0	1.03
9132_9132	9132	9132	0	0	0	0	0	0	1.03
9132_9133	9132	9133	0	0	0	0	0	0	1
9133_9133	9133	9133	0	0	0	0	0	0	1
9133_9134	9133	9134	0	0	0	0	0	0	1
9134_9134	9134	9134	0	0	0	0	0	0	1
9134_9135	9134	9135	0	0	0	0	0	0	1
9135_9135	9135	9135	0	0	0	0	0	0	1
9135_9136	9135	9136	0	0	0	0	0	0	1
9136_9136	9136	9136	0	0	0	0	0	0	1
9136_9137	9136	9137	0	0	0	0	0	0	1
9137_9137	9137	9137	0	0	0	0	0	0	1
9137_9138	9137	9138	0	0	0	0	0	0	1
9138_9138	9138	9138	0	0	0	0	0	0	1
9138_9139	9138	9139	0	0	0	0	0	0	1
9139_9139	9139	9139	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9139_9140	9139	9140	0	0	0	0	0	0	1
9140_9140	9140	9140	0	0	0	0	0	0	1
9140_9141	9140	9141	0	0	0	0	0	0	1
9141_9141	9141	9141	0	0	0	0	0	0	1
9141_9142	9141	9142	0	0	0	0	0	0	1
9142_9142	9142	9142	0	0	0	0	0	0	1
9142_9143	9142	9143	0	0	0	0	0	0	1
9143_9143	9143	9143	0	0	0	0	0	0	1
9143_9144	9143	9144	0	0	0	0	0	0	1
9144_9144	9144	9144	0	0	0	0	0	0	1
9144_9145	9144	9145	0	0	0	0	0	0	1
9145_9145	9145	9145	0	0	0	0	0	0	1
9145_9146	9145	9146	0	0	0	0	0	0	1
9146_9146	9146	9146	0	0	0	0	0	0	1
9146_9147	9146	9147	0	0	0	0	0	0	1
9147_9147	9147	9147	0	0	0	0	0	0	1
9147_9148	9147	9148	0	0	0	0	0	0	1
9148_9148	9148	9148	0	0	0	0	0	0	1
9148_9149	9148	9149	0	0	0	0	0	0	1
9149_9149	9149	9149	0	0	0	0	0	0	1
9149_9150	9149	9150	0	0	0	0	0	0	1
9150_9150	9150	9150	0	0	0	0	0	0	1
9150_9151	9150	9151	0	0	0	0	0	0	1
9151_9151	9151	9151	0	0	0	0	0	0	1
9151_9152	9151	9152	0	0	0	0	0	0	1
9152_9152	9152	9152	0	0	0	0	0	0	1
9152_9153	9152	9153	0	0	0	0	0	0	1
9153_9153	9153	9153	0	0	0	0	0	0	1
9153_9154	9153	9154	0	0	0	0	0	0	1
9154_9154	9154	9154	0	0	0	0	0	0	1
9154_9155	9154	9155	0	0	0	0	0	0	1
9155_9155	9155	9155	0	0	0	0	0	0	1
9155_9156	9155	9156	0	0	0	0	0	0	1
9156_9156	9156	9156	0	0	0	0	0	0	1
9156_9157	9156	9157	0	0	0	0	0	0	1
9157_9157	9157	9157	0	0	0	0	0	0	1
9157_9158	9157	9158	0	0	0	0	0	0	1
9158_9158	9158	9158	0	0	0	0	0	0	1
9158_9159	9158	9159	0	0	0	0	0	0	1
9159_9159	9159	9159	0	0	0	0	0	0	1
9159_9160	9159	9160	0	0	0	0	0	0	1
9160_9160	9160	9160	0	0	0	0	0	0	1
9160_9161	9160	9161	0	0	0	0	0	0	1
9161_9161	9161	9161	0	0	0	0	0	0	1
9161_9162	9161	9162	0	0	0	0	0	0	1
9162_9162	9162	9162	0	0	0	0	0	0	1
9162_9163	9162	9163	0	0	0	0	0	0	1
9163_9163	9163	9163	0	0	0	0	0	0	1
9163_9164	9163	9164	0	0	0	0	0	0	1
9164_9164	9164	9164	0	0	0	0	0	0	1
9164_9165	9164	9165	0	0	0	0	0	0	1
9165_9165	9165	9165	0	0	0	0	0	0	1
9165_9166	9165	9166	0	0	0	0	0	0	1
9166_9166	9166	9166	0	0	0	0	0	0	1
9166_9167	9166	9167	0	0	0	0	0	0	1
9167_9167	9167	9167	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9167_9168	9167	9168	0	0	0	0	0	0	1
9168_9168	9168	9168	0	0	0	0	0	0	1
9168_9169	9168	9169	0	0	0	0	0	0	1
9169_9169	9169	9169	0	0	0	0	0	0	1
9169_9170	9169	9170	0	0	0	0	0	0	1
9170_9170	9170	9170	0	0	0	0	0	0	1
9170_9171	9170	9171	0	0	0	0	0	0	1
9171_9171	9171	9171	0	0	0	0	0	0	1
9171_9172	9171	9172	0	0	0	0	0	0	1
9172_9172	9172	9172	0	0	0	0	0	0	1
9172_9173	9172	9173	0	0	0	0	0	0	1
9173_9173	9173	9173	0	0	0	0	0	0	1
9173_9174	9173	9174	0	0	0	0	0	0	1
9174_9174	9174	9174	0	0	0	0	0	0	1
9174_9175	9174	9175	0	0	0	0	0	0	1
9175_9175	9175	9175	0	0	0	0	0	0	1
9175_9176	9175	9176	0	0	0	0	0	0	1
9176_9176	9176	9176	0	0	0	0	0	0	1
9176_9177	9176	9177	0	0	0	0	0	0	1
9177_9177	9177	9177	0	0	0	0	0	0	1
9177_9178	9177	9178	0	0	0	0	0	0	1
9178_9178	9178	9178	0	0	0	0	0	0	1
9178_9179	9178	9179	0	0	0	0	0	0	1
9179_9179	9179	9179	0	0	0	0	0	0	1
9179_9180	9179	9180	0	0	0	0	0	0	1
9180_9180	9180	9180	0	0	0	0	0	0	1
9180_9181	9180	9181	0	0	0	0	0	0	1
9181_9181	9181	9181	0	0	0	0	0	0	1
9181_9182	9181	9182	0	0	0	0	0	0	1
9182_9182	9182	9182	0	0	0	0	0	0	1
9182_9183	9182	9183	0	0	0	0	0	0	1
9183_9183	9183	9183	0	0	0	0	0	0	1
9183_9184	9183	9184	0	0	0	0	0	0	1.02
9184_9184	9184	9184	0	0	0	0	0	0	1.02
9184_9185	9184	9185	0	0	0	0	0	0	1.03
9185_9185	9185	9185	0	0	0	0	0	0	1.03
9185_9186	9185	9186	0	0	0	0	0	0	1.04
9186_9186	9186	9186	0	0	0	0	0	0	1.04
9186_9187	9186	9187	0	0	0	0	0	0	1.08
9187_9187	9187	9187	0	0	0	0	0	0	1.08
9187_9188	9187	9188	0	0	0	0	0	0	1.08
9188_9188	9188	9188	0	0	0	0	0	0	1.08
9188_9189	9188	9189	0	0	0	0	0	0	1
9189_9189	9189	9189	0	0	0	0	0	0	1
9189_9190	9189	9190	0	0	0	0	0	0	1
9190_9190	9190	9190	0	0	0	0	0	0	1
9190_9191	9190	9191	0	0	0	0	0	0	1
9191_9191	9191	9191	0	0	0	0	0	0	1
9191_9192	9191	9192	0	0	0	0	0	0	1
9192_9192	9192	9192	0	0	0	0	0	0	1
9192_9193	9192	9193	0	0	0	0	0	0	1
9193_9193	9193	9193	0	0	0	0	0	0	1
9193_9194	9193	9194	0	0	0	0	0	0	1
9194_9194	9194	9194	0	0	0	0	0	0	1
9194_9195	9194	9195	0	0	0	0	0	0	1
9195_9195	9195	9195	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9195_9196	9195	9196	0	0	0	0	0	0	1
9196_9196	9196	9196	0	0	0	0	0	0	1
9196_9197	9196	9197	0	0	0	0	0	0	1
9197_9197	9197	9197	0	0	0	0	0	0	1
9197_9198	9197	9198	0	0	0	0	0	0	1
9198_9198	9198	9198	0	0	0	0	0	0	1
9198_9199	9198	9199	0	0	0	0	0	0	1.03
9199_9199	9199	9199	0	0	0	0	0	0	1.03
9199_9200	9199	9200	0	0	0	0	0	0	1.03
9200_9200	9200	9200	0	0	0	0	0	0	1.03
9200_9201	9200	9201	0	0	0	0	0	0	1.03
9201_9201	9201	9201	0	0	0	0	0	0	1.03
9201_9202	9201	9202	0	0	0	0	0	0	1.02
9202_9202	9202	9202	0	0	0	0	0	0	1.02
9202_9203	9202	9203	0	0	0	0	0	0	1.01
9203_9203	9203	9203	0	0	0	0	0	0	1.01
9203_9204	9203	9204	0	0	0	0	0	0	1.01
9204_9204	9204	9204	0	0	0	0	0	0	1.01
9204_9205	9204	9205	0	0	0	0	0	0	1
9205_9205	9205	9205	0	0	0	0	0	0	1
9205_9206	9205	9206	0	0	0	0	0	0	1
9206_9206	9206	9206	0	0	0	0	0	0	1
9206_9207	9206	9207	0	0	0	0	0	0	1
9207_9207	9207	9207	0	0	0	0	0	0	1
9207_9208	9207	9208	0	0	0	0	0	0	1
9208_9208	9208	9208	0	0	0	0	0	0	1
9208_9209	9208	9209	0	0	0	0	0	0	1
9209_9209	9209	9209	0	0	0	0	0	0	1
9209_9210	9209	9210	0	0	0	0	0	0	1
9210_9210	9210	9210	0	0	0	0	0	0	1
9210_9211	9210	9211	0	0	0	0	0	0	1
9211_9211	9211	9211	0	0	0	0	0	0	1
9211_9212	9211	9212	0	0	0	0	0	0	1
9212_9212	9212	9212	0	0	0	0	0	0	1
9212_9213	9212	9213	0	0	0	0	0	0	1
9213_9213	9213	9213	0	0	0	0	0	0	1
9213_9214	9213	9214	0	0	0	0	0	0	1
9214_9214	9214	9214	0	0	0	0	0	0	1
9214_9215	9214	9215	0	0	0	0	0	0	1
9215_9215	9215	9215	0	0	0	0	0	0	1
9215_9216	9215	9216	0	0	0	0	0	0	1
9216_9216	9216	9216	0	0	0	0	0	0	1
9216_9217	9216	9217	0	0	0	0	0	0	1
9217_9217	9217	9217	0	0	0	0	0	0	1
9217_9218	9217	9218	0	0	0	0	0	0	1
9218_9218	9218	9218	0	0	0	0	0	0	1
9218_9219	9218	9219	0	0	0	0	0	0	1
9219_9219	9219	9219	0	0	0	0	0	0	1
9219_9220	9219	9220	0	0	0	0	0	0	1
9220_9220	9220	9220	0	0	0	0	0	0	1
9220_9221	9220	9221	0	0	0	0	0	0	1
9221_9221	9221	9221	0	0	0	0	0	0	1
9221_9222	9221	9222	0	0	0	0	0	0	1.01
9222_9222	9222	9222	0	0	0	0	0	0	1.01
9222_9223	9222	9223	0	0	0	0	0	0	1.01
9223_9223	9223	9223	0	0	0	0	0	0	1.01

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9223_9224	9223	9224	0	0	0	0	0	0	1.03
9224_9224	9224	9224	0	0	0	0	0	0	1.03
9224_9225	9224	9225	0	0	0	0	0	0	1
9225_9225	9225	9225	0	0	0	0	0	0	1
9225_9226	9225	9226	0	0	0	0	0	0	1
9226_9226	9226	9226	0	0	0	0	0	0	1
9226_9227	9226	9227	0	0	0	0	0	0	1
9227_9227	9227	9227	0	0	0	0	0	0	1
9227_9228	9227	9228	0	0	0	0	0	0	1
9228_9228	9228	9228	0	0	0	0	0	0	1
9228_9229	9228	9229	0	0	0	0	0	0	1
9229_9229	9229	9229	0	0	0	0	0	0	1
9229_9230	9229	9230	0	0	0	0	0	0	1
9230_9230	9230	9230	0	0	0	0	0	0	1
9230_9231	9230	9231	0	0	0	0	0	0	1
9231_9231	9231	9231	0	0	0	0	0	0	1
9231_9232	9231	9232	0	0	0	0	0	0	1.03
9232_9232	9232	9232	0	0	0	0	0	0	1.03
9232_9233	9232	9233	0	0	0	0	0	0	1.03
9233_9233	9233	9233	0	0	0	0	0	0	1.03
9233_9234	9233	9234	0	0	0	0	0	0	1.03
9234_9234	9234	9234	0	0	0	0	0	0	1.03
9234_9235	9234	9235	0	0	0	0	0	0	1.03
9235_9235	9235	9235	0	0	0	0	0	0	1.03
9235_9236	9235	9236	0	0	0	0	0	0	1.01
9236_9236	9236	9236	0	0	0	0	0	0	1.01
9236_9237	9236	9237	0	0	0	0	0	0	1.01
9237_9237	9237	9237	0	0	0	0	0	0	1.01
9237_9238	9237	9238	0	0	0	0	0	0	1.01
9238_9238	9238	9238	0	0	0	0	0	0	1.01
9238_9239	9238	9239	0	0	0	0	0	0	1.01
9239_9239	9239	9239	0	0	0	0	0	0	1.01
9239_9240	9239	9240	0	0	0	0	0	0	1
9240_9240	9240	9240	0	0	0	0	0	0	1
9240_9241	9240	9241	0	0	0	0	0	0	1
9241_9241	9241	9241	0	0	0	0	0	0	1
9241_9242	9241	9242	0	0	0	0	0	0	1
9242_9242	9242	9242	0	0	0	0	0	0	1
9242_9243	9242	9243	0	0	0	0	0	0	1
9243_9243	9243	9243	0	0	0	0	0	0	1
9243_9244	9243	9244	0	0	0	0	0	0	1
9244_9244	9244	9244	0	0	0	0	0	0	1
9244_9245	9244	9245	0	0	0	0	0	0	1
9245_9245	9245	9245	0	0	0	0	0	0	1
9245_9246	9245	9246	0	0	0	0	0	0	1
9246_9246	9246	9246	0	0	0	0	0	0	1
9246_9247	9246	9247	0	0	0	0	0	0	1
9247_9247	9247	9247	0	0	0	0	0	0	1
9247_9248	9247	9248	0	0	0	0	0	0	1
9248_9248	9248	9248	0	0	0	0	0	0	1
9248_9249	9248	9249	0	0	0	0	0	0	1
9249_9249	9249	9249	0	0	0	0	0	0	1
9249_9250	9249	9250	0	0	0	0	0	0	1
9250_9250	9250	9250	0	0	0	0	0	0	1
9250_9251	9250	9251	0	0	0	0	0	0	1
9251_9251	9251	9251	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9251_9252	9251	9252	0	0	0	0	0	0	1
9252_9252	9252	9252	0	0	0	0	0	0	1
9252_9253	9252	9253	0	0	0	0	0	0	1
9253_9253	9253	9253	0	0	0	0	0	0	1
9253_9254	9253	9254	0	0	0	0	0	0	1.01
9254_9254	9254	9254	0	0	0	0	0	0	1.01
9254_9255	9254	9255	0	0	0	0	0	0	1.01
9255_9255	9255	9255	0	0	0	0	0	0	1.01
9255_9256	9255	9256	0	0	0	0	0	0	1.02
9256_9256	9256	9256	0	0	0	0	0	0	1.02
9256_9257	9256	9257	0	0	0	0	0	0	1.03
9257_9257	9257	9257	0	0	0	0	0	0	1.03
9257_9258	9257	9258	0	0	0	0	0	0	1.03
9258_9258	9258	9258	0	0	0	0	0	0	1.03
9258_9259	9258	9259	0	0	0	0	0	0	1.05
9259_9259	9259	9259	0	0	0	0	0	0	1.05
9259_9260	9259	9260	0	0	0	0	0	0	1.05
9260_9260	9260	9260	0	0	0	0	0	0	1.05
9260_9261	9260	9261	0	0	0	0	0	0	1
9261_9261	9261	9261	0	0	0	0	0	0	1
9261_9262	9261	9262	0	0	0	0	0	0	1
9262_9262	9262	9262	0	0	0	0	0	0	1
9262_9263	9262	9263	0	0	0	0	0	0	1
9263_9263	9263	9263	0	0	0	0	0	0	1
9263_9264	9263	9264	0	0	0	0	0	0	1
9264_9264	9264	9264	0	0	0	0	0	0	1
9264_9265	9264	9265	0	0	0	0	0	0	1
9265_9265	9265	9265	0	0	0	0	0	0	1
9265_9266	9265	9266	0	0	0	0	0	0	1
9266_9266	9266	9266	0	0	0	0	0	0	1
9266_9267	9266	9267	0	0	0	0	0	0	1
9267_9267	9267	9267	0	0	0	0	0	0	1
9267_9268	9267	9268	0	0	0	0	0	0	1
9268_9268	9268	9268	0	0	0	0	0	0	1
9268_9269	9268	9269	0	0	0	0	0	0	1.07
9269_9269	9269	9269	0	0	0	0	0	0	1.07
9269_9270	9269	9270	0	0	0	0	0	0	1.04
9270_9270	9270	9270	0	0	0	0	0	0	1.04
9270_9271	9270	9271	0	0	0	0	0	0	1.04
9271_9271	9271	9271	0	0	0	0	0	0	1.04
9271_9272	9271	9272	0	0	0	0	0	0	1.03
9272_9272	9272	9272	0	0	0	0	0	0	1.03
9272_9273	9272	9273	0	0	0	0	0	0	1.03
9273_9273	9273	9273	0	0	0	0	0	0	1.03
9273_9274	9273	9274	0	0	0	0	0	0	1.03
9274_9274	9274	9274	0	0	0	0	0	0	1.03
9274_9275	9274	9275	0	0	0	0	0	0	1.02
9275_9275	9275	9275	0	0	0	0	0	0	1.02
9275_9276	9275	9276	0	0	0	0	0	0	1
9276_9276	9276	9276	0	0	0	0	0	0	1
9276_9277	9276	9277	0	0	0	0	0	0	1
9277_9277	9277	9277	0	0	0	0	0	0	1
9277_9278	9277	9278	0	0	0	0	0	0	1
9278_9278	9278	9278	0	0	0	0	0	0	1
9278_9279	9278	9279	0	0	0	0	0	0	1
9279_9279	9279	9279	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9279_9280	9279	9280	0	0	0	0	0	0	1
9280_9280	9280	9280	0	0	0	0	0	0	1
9280_9281	9280	9281	0	0	0	0	0	0	1
9281_9281	9281	9281	0	0	0	0	0	0	1
9281_9282	9281	9282	0	0	0	0	0	0	1
9282_9282	9282	9282	0	0	0	0	0	0	1
9282_9283	9282	9283	0	0	0	0	0	0	1
9283_9283	9283	9283	0	0	0	0	0	0	1
9283_9284	9283	9284	0	0	0	0	0	0	1
9284_9284	9284	9284	0	0	0	0	0	0	1
9284_9285	9284	9285	0	0	0	0	0	0	1
9285_9285	9285	9285	0	0	0	0	0	0	1
9285_9286	9285	9286	0	0	0	0	0	0	1
9286_9286	9286	9286	0	0	0	0	0	0	1
9286_9287	9286	9287	0	0	0	0	0	0	1
9287_9287	9287	9287	0	0	0	0	0	0	1
9287_9288	9287	9288	0	0	0	0	0	0	1.02
9288_9288	9288	9288	0	0	0	0	0	0	1.02
9288_9289	9288	9289	0	0	0	0	0	0	1.02
9289_9289	9289	9289	0	0	0	0	0	0	1.02
9289_9290	9289	9290	0	0	0	0	0	0	1.03
9290_9290	9290	9290	0	0	0	0	0	0	1.03
9290_9291	9290	9291	0	0	0	0	0	0	1.05
9291_9291	9291	9291	0	0	0	0	0	0	1.05
9291_9292	9291	9292	0	0	0	0	0	0	1.14
9292_9292	9292	9292	0	0	0	0	0	0	1.14
9292_9293	9292	9293	0	0	0	0	0	0	1
9293_9293	9293	9293	0	0	0	0	0	0	1
9293_9294	9293	9294	0	0	0	0	0	0	1
9294_9294	9294	9294	0	0	0	0	0	0	1
9294_9295	9294	9295	0	0	0	0	0	0	1
9295_9295	9295	9295	0	0	0	0	0	0	1
9295_9296	9295	9296	0	0	0	0	0	0	1
9296_9296	9296	9296	0	0	0	0	0	0	1
9296_9297	9296	9297	0	0	0	0	0	0	1
9297_9297	9297	9297	0	0	0	0	0	0	1
9297_9298	9297	9298	0	0	0	0	0	0	1
9298_9298	9298	9298	0	0	0	0	0	0	1
9298_9299	9298	9299	0	0	0	0	0	0	1
9299_9299	9299	9299	0	0	0	0	0	0	1
9299_9300	9299	9300	0	0	0	0	0	0	1
9300_9300	9300	9300	0	0	0	0	0	0	1
9300_9301	9300	9301	0	0	0	0	0	0	1
9301_9301	9301	9301	0	0	0	0	0	0	1
9301_9302	9301	9302	0	0	0	0	0	0	1
9302_9302	9302	9302	0	0	0	0	0	0	1
9302_9303	9302	9303	0	0	0	0	0	0	1
9303_9303	9303	9303	0	0	0	0	0	0	1
9303_9304	9303	9304	0	0	0	0	0	0	1
9304_9304	9304	9304	0	0	0	0	0	0	1
9304_9305	9304	9305	0	0	0	0	0	0	1
9305_9305	9305	9305	0	0	0	0	0	0	1
9305_9306	9305	9306	0	0	0	0	0	0	1
9306_9306	9306	9306	0	0	0	0	0	0	1
9306_9307	9306	9307	0	0	0	0	0	0	1
9307_9307	9307	9307	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9307_9308	9307	9308	0	0	0	0	0	0	1
9308_9308	9308	9308	0	0	0	0	0	0	1
9308_9309	9308	9309	0	0	0	0	0	0	1
9309_9309	9309	9309	0	0	0	0	0	0	1
9309_9310	9309	9310	0	0	0	0	0	0	1
9310_9310	9310	9310	0	0	0	0	0	0	1
9310_9311	9310	9311	0	0	0	0	0	0	1
9311_9311	9311	9311	0	0	0	0	0	0	1
9311_9312	9311	9312	0	0	0	0	0	0	1
9400_9020	9400	9020	0	0	0	0	0	0	1.02
9400_9401	9400	9401	0	0	0	0	0	0	1
9401_9401	9401	9401	0	0	0	0	0	0	1
9401_9402	9401	9402	0	0	0	0	0	0	1
9402_9402	9402	9402	0	0	0	0	0	0	1
9402_9403	9402	9403	0	0	0	0	0	0	1
9403_9403	9403	9403	0	0	0	0	0	0	1
9403_9404	9403	9404	0	0	0	0	0	0	1
9404_9404	9404	9404	0	0	0	0	0	0	1
9404_9405	9404	9405	0	0	0	0	0	0	1
9405_9405	9405	9405	0	0	0	0	0	0	1
9405_9406	9405	9406	0	0	0	0	0	0	1
9406_9406	9406	9406	0	0	0	0	0	0	1
9406_9407	9406	9407	0	0	0	0	0	0	1
9407_9407	9407	9407	0	0	0	0	0	0	1
9407_9408	9407	9408	0	0	0	0	0	0	1
9408_9408	9408	9408	0	0	0	0	0	0	1
9408_9409	9408	9409	0	0	0	0	0	0	1
9409_9409	9409	9409	0	0	0	0	0	0	1
9409_9410	9409	9410	0	0	0	0	0	0	1
9410_9410	9410	9410	0	0	0	0	0	0	1
9410_9411	9410	9411	0	0	0	0	0	0	1
9411_9411	9411	9411	0	0	0	0	0	0	1
9411_9412	9411	9412	0	0	0	0	0	0	1
9412_9412	9412	9412	0	0	0	0	0	0	1
9412_9413	9412	9413	0	0	0	0	0	0	1
9413_9413	9413	9413	0	0	0	0	0	0	1
9413_9414	9413	9414	0	0	0	0	0	0	1
9414_9414	9414	9414	0	0	0	0	0	0	1
9414_9415	9414	9415	0	0	0	0	0	0	1
9415_9415	9415	9415	0	0	0	0	0	0	1
9415_9416	9415	9416	0	0	0	0	0	0	1
9416_9416	9416	9416	0	0	0	0	0	0	1
9416_9417	9416	9417	0	0	0	0	0	0	1
9417_9417	9417	9417	0	0	0	0	0	0	1
9417_9036	9417	9036	0	0	0	0	0	0	1.01
9420_9056	9420	9056	0	0	0	0	0	0	1.01
9420_9421	9420	9421	0	0	0	0	0	0	1
9421_9421	9421	9421	0	0	0	0	0	0	1
9421_9422	9421	9422	0	0	0	0	0	0	1
9422_9422	9422	9422	0	0	0	0	0	0	1
9422_9423	9422	9423	0	0	0	0	0	0	1
9423_9423	9423	9423	0	0	0	0	0	0	1
9423_9424	9423	9424	0	0	0	0	0	0	1
9424_9424	9424	9424	0	0	0	0	0	0	1
9424_9425	9424	9425	0	0	0	0	0	0	1
9425_9425	9425	9425	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9425_9426	9425	9426	0	0	0	0	0	0	1
9426_9426	9426	9426	0	0	0	0	0	0	1
9426_9427	9426	9427	0	0	0	0	0	0	1
9427_9427	9427	9427	0	0	0	0	0	0	1
9427_9428	9427	9428	0	0	0	0	0	0	1
9428_9428	9428	9428	0	0	0	0	0	0	1
9428_9429	9428	9429	0	0	0	0	0	0	1
9429_9429	9429	9429	0	0	0	0	0	0	1
9429_9430	9429	9430	0	0	0	0	0	0	1
9430_9430	9430	9430	0	0	0	0	0	0	1
9430_9431	9430	9431	0	0	0	0	0	0	1
9431_9431	9431	9431	0	0	0	0	0	0	1
9431_9432	9431	9432	0	0	0	0	0	0	1
9432_9432	9432	9432	0	0	0	0	0	0	1
9432_9433	9432	9433	0	0	0	0	0	0	1
9433_9433	9433	9433	0	0	0	0	0	0	1
9433_9434	9433	9434	0	0	0	0	0	0	1
9434_9434	9434	9434	0	0	0	0	0	0	1
9434_9435	9434	9435	0	0	0	0	0	0	1
9435_9435	9435	9435	0	0	0	0	0	0	1
9435_9436	9435	9436	0	0	0	0	0	0	1
9436_9436	9436	9436	0	0	0	0	0	0	1
9436_9437	9436	9437	0	0	0	0	0	0	1
9437_9437	9437	9437	0	0	0	0	0	0	1
9437_9072	9437	9072	0	0	0	0	0	0	1.01
9440_9094	9440	9094	0	0	0	0	0	0	1
9440_9441	9440	9441	0	0	0	0	0	0	1
9441_9441	9441	9441	0	0	0	0	0	0	1
9441_9442	9441	9442	0	0	0	0	0	0	1
9442_9442	9442	9442	0	0	0	0	0	0	1
9442_9443	9442	9443	0	0	0	0	0	0	1
9443_9443	9443	9443	0	0	0	0	0	0	1
9443_9444	9443	9444	0	0	0	0	0	0	1
9444_9444	9444	9444	0	0	0	0	0	0	1
9444_9445	9444	9445	0	0	0	0	0	0	1
9445_9445	9445	9445	0	0	0	0	0	0	1
9445_9446	9445	9446	0	0	0	0	0	0	1
9446_9446	9446	9446	0	0	0	0	0	0	1
9446_9447	9446	9447	0	0	0	0	0	0	1
9447_9447	9447	9447	0	0	0	0	0	0	1
9447_9448	9447	9448	0	0	0	0	0	0	1
9448_9448	9448	9448	0	0	0	0	0	0	1
9448_9449	9448	9449	0	0	0	0	0	0	1
9449_9449	9449	9449	0	0	0	0	0	0	1
9449_9450	9449	9450	0	0	0	0	0	0	1
9450_9450	9450	9450	0	0	0	0	0	0	1
9450_9451	9450	9451	0	0	0	0	0	0	1
9451_9451	9451	9451	0	0	0	0	0	0	1
9451_9452	9451	9452	0	0	0	0	0	0	1
9452_9452	9452	9452	0	0	0	0	0	0	1
9452_9453	9452	9453	0	0	0	0	0	0	1
9453_9453	9453	9453	0	0	0	0	0	0	1
9453_9454	9453	9454	0	0	0	0	0	0	1
9454_9454	9454	9454	0	0	0	0	0	0	1
9454_9455	9454	9455	0	0	0	0	0	0	1
9455_9455	9455	9455	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9455_9456	9455	9456	0	0	0	0	0	0	1
9456_9456	9456	9456	0	0	0	0	0	0	1
9456_9457	9456	9457	0	0	0	0	0	0	1
9457_9457	9457	9457	0	0	0	0	0	0	1
9457_9110	9457	9110	0	0	0	0	0	0	1.01
9460_9132	9460	9132	0	0	0	0	0	0	1.03
9460_9461	9460	9461	0	0	0	0	0	0	1
9461_9461	9461	9461	0	0	0	0	0	0	1
9461_9462	9461	9462	0	0	0	0	0	0	1
9462_9462	9462	9462	0	0	0	0	0	0	1
9462_9463	9462	9463	0	0	0	0	0	0	1
9463_9463	9463	9463	0	0	0	0	0	0	1
9463_9464	9463	9464	0	0	0	0	0	0	1
9464_9464	9464	9464	0	0	0	0	0	0	1
9464_9465	9464	9465	0	0	0	0	0	0	1
9465_9465	9465	9465	0	0	0	0	0	0	1
9465_9466	9465	9466	0	0	0	0	0	0	1
9466_9466	9466	9466	0	0	0	0	0	0	1
9466_9467	9466	9467	0	0	0	0	0	0	1
9467_9467	9467	9467	0	0	0	0	0	0	1
9467_9468	9467	9468	0	0	0	0	0	0	1
9468_9468	9468	9468	0	0	0	0	0	0	1
9468_9469	9468	9469	0	0	0	0	0	0	1
9469_9469	9469	9469	0	0	0	0	0	0	1
9469_9470	9469	9470	0	0	0	0	0	0	1
9470_9470	9470	9470	0	0	0	0	0	0	1
9470_9471	9470	9471	0	0	0	0	0	0	1
9471_9471	9471	9471	0	0	0	0	0	0	1
9471_9472	9471	9472	0	0	0	0	0	0	1
9472_9472	9472	9472	0	0	0	0	0	0	1
9472_9473	9472	9473	0	0	0	0	0	0	1
9473_9473	9473	9473	0	0	0	0	0	0	1
9473_9474	9473	9474	0	0	0	0	0	0	1
9474_9474	9474	9474	0	0	0	0	0	0	1
9474_9475	9474	9475	0	0	0	0	0	0	1
9475_9475	9475	9475	0	0	0	0	0	0	1
9475_9476	9475	9476	0	0	0	0	0	0	1
9476_9476	9476	9476	0	0	0	0	0	0	1
9476_9477	9476	9477	0	0	0	0	0	0	1
9477_9477	9477	9477	0	0	0	0	0	0	1
9477_9148	9477	9148	0	0	0	0	0	0	1
9480_9168	9480	9168	0	0	0	0	0	0	1
9480_9481	9480	9481	0	0	0	0	0	0	1
9481_9481	9481	9481	0	0	0	0	0	0	1
9481_9482	9481	9482	0	0	0	0	0	0	1
9482_9482	9482	9482	0	0	0	0	0	0	1
9482_9483	9482	9483	0	0	0	0	0	0	1
9483_9483	9483	9483	0	0	0	0	0	0	1
9483_9484	9483	9484	0	0	0	0	0	0	1
9484_9484	9484	9484	0	0	0	0	0	0	1
9484_9485	9484	9485	0	0	0	0	0	0	1
9485_9485	9485	9485	0	0	0	0	0	0	1
9485_9486	9485	9486	0	0	0	0	0	0	1
9486_9486	9486	9486	0	0	0	0	0	0	1
9486_9487	9486	9487	0	0	0	0	0	0	1
9487_9487	9487	9487	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9487_9488	9487	9488	0	0	0	0	0	0	1
9488_9488	9488	9488	0	0	0	0	0	0	1
9488_9489	9488	9489	0	0	0	0	0	0	1
9489_9489	9489	9489	0	0	0	0	0	0	1
9489_9490	9489	9490	0	0	0	0	0	0	1
9490_9490	9490	9490	0	0	0	0	0	0	1
9490_9491	9490	9491	0	0	0	0	0	0	1
9491_9491	9491	9491	0	0	0	0	0	0	1
9491_9492	9491	9492	0	0	0	0	0	0	1
9492_9492	9492	9492	0	0	0	0	0	0	1
9492_9493	9492	9493	0	0	0	0	0	0	1
9493_9493	9493	9493	0	0	0	0	0	0	1
9493_9494	9493	9494	0	0	0	0	0	0	1
9494_9494	9494	9494	0	0	0	0	0	0	1
9494_9495	9494	9495	0	0	0	0	0	0	1
9495_9495	9495	9495	0	0	0	0	0	0	1
9495_9496	9495	9496	0	0	0	0	0	0	1
9496_9496	9496	9496	0	0	0	0	0	0	1
9496_9497	9496	9497	0	0	0	0	0	0	1
9497_9497	9497	9497	0	0	0	0	0	0	1
9497_9184	9497	9184	0	0	0	0	0	0	1.02
9500_9204	9500	9204	0	0	0	0	0	0	1.01
9500_9501	9500	9501	0	0	0	0	0	0	1
9501_9501	9501	9501	0	0	0	0	0	0	1
9501_9502	9501	9502	0	0	0	0	0	0	1
9502_9502	9502	9502	0	0	0	0	0	0	1
9502_9503	9502	9503	0	0	0	0	0	0	1
9503_9503	9503	9503	0	0	0	0	0	0	1
9503_9504	9503	9504	0	0	0	0	0	0	1
9504_9504	9504	9504	0	0	0	0	0	0	1
9504_9505	9504	9505	0	0	0	0	0	0	1
9505_9505	9505	9505	0	0	0	0	0	0	1
9505_9506	9505	9506	0	0	0	0	0	0	1
9506_9506	9506	9506	0	0	0	0	0	0	1
9506_9507	9506	9507	0	0	0	0	0	0	1
9507_9507	9507	9507	0	0	0	0	0	0	1
9507_9508	9507	9508	0	0	0	0	0	0	1
9508_9508	9508	9508	0	0	0	0	0	0	1
9508_9509	9508	9509	0	0	0	0	0	0	1
9509_9509	9509	9509	0	0	0	0	0	0	1
9509_9510	9509	9510	0	0	0	0	0	0	1
9510_9510	9510	9510	0	0	0	0	0	0	1
9510_9511	9510	9511	0	0	0	0	0	0	1
9511_9511	9511	9511	0	0	0	0	0	0	1
9511_9512	9511	9512	0	0	0	0	0	0	1
9512_9512	9512	9512	0	0	0	0	0	0	1
9512_9513	9512	9513	0	0	0	0	0	0	1
9513_9513	9513	9513	0	0	0	0	0	0	1
9513_9514	9513	9514	0	0	0	0	0	0	1
9514_9514	9514	9514	0	0	0	0	0	0	1
9514_9515	9514	9515	0	0	0	0	0	0	1
9515_9515	9515	9515	0	0	0	0	0	0	1
9515_9516	9515	9516	0	0	0	0	0	0	1
9516_9516	9516	9516	0	0	0	0	0	0	1
9516_9517	9516	9517	0	0	0	0	0	0	1
9517_9517	9517	9517	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9517_9220	9517	9220	0	0	0	0	0	0	1
9520_9240	9520	9240	0	0	0	0	0	0	1
9520_9521	9520	9521	0	0	0	0	0	0	1
9521_9521	9521	9521	0	0	0	0	0	0	1
9521_9522	9521	9522	0	0	0	0	0	0	1
9522_9522	9522	9522	0	0	0	0	0	0	1
9522_9523	9522	9523	0	0	0	0	0	0	1
9523_9523	9523	9523	0	0	0	0	0	0	1
9523_9524	9523	9524	0	0	0	0	0	0	1
9524_9524	9524	9524	0	0	0	0	0	0	1
9524_9525	9524	9525	0	0	0	0	0	0	1
9525_9525	9525	9525	0	0	0	0	0	0	1
9525_9526	9525	9526	0	0	0	0	0	0	1
9526_9526	9526	9526	0	0	0	0	0	0	1
9526_9527	9526	9527	0	0	0	0	0	0	1
9527_9527	9527	9527	0	0	0	0	0	0	1
9527_9528	9527	9528	0	0	0	0	0	0	1
9528_9528	9528	9528	0	0	0	0	0	0	1
9528_9529	9528	9529	0	0	0	0	0	0	1
9529_9529	9529	9529	0	0	0	0	0	0	1
9529_9530	9529	9530	0	0	0	0	0	0	1
9530_9530	9530	9530	0	0	0	0	0	0	1
9530_9531	9530	9531	0	0	0	0	0	0	1
9531_9531	9531	9531	0	0	0	0	0	0	1
9531_9532	9531	9532	0	0	0	0	0	0	1
9532_9532	9532	9532	0	0	0	0	0	0	1
9532_9533	9532	9533	0	0	0	0	0	0	1
9533_9533	9533	9533	0	0	0	0	0	0	1
9533_9534	9533	9534	0	0	0	0	0	0	1
9534_9534	9534	9534	0	0	0	0	0	0	1
9534_9535	9534	9535	0	0	0	0	0	0	1
9535_9535	9535	9535	0	0	0	0	0	0	1
9535_9536	9535	9536	0	0	0	0	0	0	1
9536_9536	9536	9536	0	0	0	0	0	0	1
9536_9537	9536	9537	0	0	0	0	0	0	1
9537_9537	9537	9537	0	0	0	0	0	0	1
9537_9254	9537	9254	0	0	0	0	0	0	1.01
9540_9275	9540	9275	0	0	0	0	0	0	1.02
9540_9541	9540	9541	0	0	0	0	0	0	1
9541_9541	9541	9541	0	0	0	0	0	0	1
9541_9542	9541	9542	0	0	0	0	0	0	1
9542_9542	9542	9542	0	0	0	0	0	0	1
9542_9543	9542	9543	0	0	0	0	0	0	1
9543_9543	9543	9543	0	0	0	0	0	0	1
9543_9544	9543	9544	0	0	0	0	0	0	1
9544_9544	9544	9544	0	0	0	0	0	0	1
9544_9545	9544	9545	0	0	0	0	0	0	1
9545_9545	9545	9545	0	0	0	0	0	0	1
9545_9546	9545	9546	0	0	0	0	0	0	1
9546_9546	9546	9546	0	0	0	0	0	0	1
9546_9547	9546	9547	0	0	0	0	0	0	1
9547_9547	9547	9547	0	0	0	0	0	0	1
9547_9548	9547	9548	0	0	0	0	0	0	1
9548_9548	9548	9548	0	0	0	0	0	0	1
9548_9549	9548	9549	0	0	0	0	0	0	1
9549_9549	9549	9549	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9549_9550	9549	9550	0	0	0	0	0	0	1
9550_9550	9550	9550	0	0	0	0	0	0	1
9550_9551	9550	9551	0	0	0	0	0	0	1
9551_9551	9551	9551	0	0	0	0	0	0	1
9551_9552	9551	9552	0	0	0	0	0	0	1
9552_9552	9552	9552	0	0	0	0	0	0	1
9552_9553	9552	9553	0	0	0	0	0	0	1
9553_9553	9553	9553	0	0	0	0	0	0	1
9553_9554	9553	9554	0	0	0	0	0	0	1
9554_9554	9554	9554	0	0	0	0	0	0	1
9554_9555	9554	9555	0	0	0	0	0	0	1
9555_9555	9555	9555	0	0	0	0	0	0	1
9555_9556	9555	9556	0	0	0	0	0	0	1
9556_9556	9556	9556	0	0	0	0	0	0	1
9556_9557	9556	9557	0	0	0	0	0	0	1
9557_9557	9557	9557	0	0	0	0	0	0	1
9557_9288	9557	9288	0	0	0	0	0	0	1.02
49000_9000	49000	9000	1.499	35.343	7.138	-5.315	0	5.217	1
49000_9001	49000	9001	-1.499	-31.633	-7.138	5.315	-59.243	272.734	1
49001_9001	49001	9001	1.508	31.633	7.136	-5.696	59.243	-272.728	1
49001_9002	49001	9002	-1.508	-27.657	-7.136	5.696	-122.705	536.392	1
49002_9002	49002	9002	1.514	30.252	-5.492	-4.358	122.705	-536.389	1
49002_9003	49002	9003	-1.514	-24.85	5.492	4.358	-56.335	869.291	1
49003_9003	49003	9003	1.505	24.85	-5.495	-5.88	56.335	-869.281	1
49003_9004	49003	9004	-1.505	-19.446	5.495	5.88	10.108	1137.059	1
49004_9004	49004	9004	1.505	19.981	0.734	-2.543	-10.108	-1137.06	1
49004_9005	49004	9005	-1.505	-14.582	-0.734	2.543	1.252	1345.806	1
49005_9005	49005	9005	1.507	14.582	0.731	-4.9	-1.252	-1345.8	1
49005_9006	49005	9006	-1.507	-9.179	-0.731	4.9	-7.576	1489.396	1
49006_9006	49006	9006	1.506	12.005	0.031	-1.13	7.576	-1489.39	1
49006_9007	49006	9007	-1.506	-6.603	-0.031	1.13	-7.948	1601.824	1
49007_9007	49007	9007	1.507	6.603	0.029	-2.445	7.948	-1601.82	1
49007_9008	49007	9008	-1.507	-1.201	-0.029	2.445	-8.306	1648.967	1
49008_9008	49008	9008	1.507	4.314	-0.144	-0.043	8.306	-1648.96	1
49008_9009	49008	9009	-1.507	1.091	0.144	0.043	-6.568	1668.449	1
49009_9009	49009	9009	1.507	-1.091	-0.143	0.134	6.568	-1668.45	1
49009_9010	49009	9010	-1.507	6.49	0.143	-0.134	-4.834	1622.664	1
49010_9010	49010	9010	1.506	-3.427	0.17	3.143	4.834	-1622.67	1
49010_9011	49010	9011	-1.506	8.831	-0.17	-3.143	-6.88	1548.581	1
49011_9011	49011	9011	1.507	-8.831	0.167	0.6	6.88	-1548.58	1
49011_9012	49011	9012	-1.507	14.233	-0.167	-0.6	-8.894	1409.226	1
49012_9012	49012	9012	1.506	-11.541	-0.279	4.222	8.894	-1409.23	1
49012_9013	49012	9013	-1.506	16.942	0.279	-4.222	-5.525	1237.146	1
49013_9013	49013	9013	1.506	-16.942	-0.281	2.19	5.525	-1237.15	1
49013_9014	49013	9014	-1.506	22.342	0.281	-2.19	-2.125	999.856	1
49014_9014	49014	9014	1.507	-19.999	2.148	6.722	2.125	-999.859	1
49014_9015	49014	9015	-1.507	26.948	-2.148	-6.722	-35.519	634.959	1
49015_9015	49015	9015	1.751	-26.934	2.146	4.162	35.558	-634.099	1
49015_9016	49015	9016	-1.792	30.62	-2.146	-4.162	-53.261	396.691	1
49016_9016	49016	9016	2.533	-31.918	1.397	2.887	27.213	248.074	1
49016_9017	49016	9017	-2.706	37.172	-1.397	-2.887	-43.635	-654.287	1.06
49017_9017	49017	9017	3.629	-37.094	1.393	3.41	43.775	654.108	1.06
49017_9018	49017	9018	-3.989	43.018	-1.393	-3.41	-62.255	-1185.62	1.03
49018_9018	49018	9018	5.109	-42.774	-3.218	1.699	62.312	1185.605	1.03
49018_9019	49018	9019	-5.606	48.36	3.218	-1.699	-21.983	-1756.64	1.02
49019_9019	49019	9019	6.871	-48.196	-3.221	4.06	22.323	1756.636	1.02

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
49019_9020	49019	9020	-7.525	53.785	3.221	-4.06	18.165	-2397.54	1.02
49020_9020	49020	9020	-156.327	28.653	4.445	-0.973	-99.234	932.768	1.02
49020_9021	49020	9021	156.327	-24.405	-4.445	0.973	56.99	-680.674	1
49021_9021	49021	9021	-156.316	24.405	4.805	-0.567	-56.99	642.898	1
49021_9022	49021	9022	156.316	-20.945	-4.805	0.567	19.801	-467.414	1
49022_9022	49022	9022	-156.321	20.945	4.651	-1.031	-19.801	467.414	1
49022_9023	49022	9023	156.321	-17.477	-4.651	1.031	-16.287	-318.335	1
49023_9023	49023	9023	-156.298	17.201	-0.235	-0.315	16.287	318.337	1
49023_9024	49023	9024	156.298	-13.625	0.235	0.315	-14.408	-195.039	1
49024_9024	49024	9024	-156.298	13.625	-0.235	-0.315	14.408	195.039	1
49024_9025	49024	9025	156.298	-10.049	0.235	0.315	-12.529	-100.347	1
49025_9025	49025	9025	-156.298	6.409	-0.04	-0.191	12.529	100.346	1
49025_9026	49025	9026	156.298	-2.834	0.04	0.191	-12.203	-63.382	1
49026_9026	49026	9026	-156.297	3.589	-0.562	0.019	12.203	63.382	1
49026_9027	49026	9027	156.297	-0.908	0.562	-0.019	-8.835	-49.898	1
49027_9027	49027	9027	-156.298	0.908	-0.274	0.111	8.835	49.898	1
49027_9028	49027	9028	156.298	1.775	0.274	-0.111	-7.187	-52.502	1
49028_9028	49028	9028	-156.298	-1.775	-0.302	0.102	7.187	52.502	1
49028_9029	49028	9029	156.298	4.456	0.302	-0.102	-5.373	-71.183	1
49029_9029	49029	9029	-156.298	-4.456	-0.274	0.114	5.373	71.183	1
49029_9030	49029	9030	156.298	7.14	0.274	-0.114	-3.726	-106.001	1
49030_9030	49030	9030	-156.299	-6.395	-0.111	0.293	3.726	106.001	1
49030_9031	49030	9031	156.299	9.969	0.111	-0.293	-2.84	-171.42	1
49031_9031	49031	9031	-156.299	-9.969	-0.111	0.293	2.84	171.42	1
49031_9032	49031	9032	156.299	13.543	0.111	-0.293	-1.954	-265.415	1
49032_9032	49032	9032	-156.299	-13.543	0.105	0.658	1.954	265.414	1
49032_9033	49032	9033	156.299	17.121	-0.105	-0.658	-2.786	-388.135	1
49033_9033	49033	9033	-156.311	-17.182	-2.854	0.398	2.786	388.136	1
49033_9034	49033	9034	156.311	20.647	2.854	-0.398	19.338	-534.768	1
49034_9034	49034	9034	-156.311	-20.647	-2.854	0.398	-19.338	534.768	1
49034_9035	49034	9035	156.311	24.112	2.854	-0.398	41.461	-708.264	1
49035_9035	49035	9035	-156.317	-24.112	-2.481	1.472	-41.461	747.086	1
49035_9036	49035	9036	156.317	28.359	2.481	-1.472	65.027	-996.313	1.01
49036_9036	49036	9036	24.121	49.969	2.311	-4.328	-17.718	2598.827	1.01
49036_9037	49036	9037	-23.467	-44.383	-2.311	4.328	-11.301	-2006.21	1.02
49037_9037	49037	9037	22.293	44.987	2.264	0.313	10.806	2006.217	1.02
49037_9038	49037	9038	-21.794	-39.398	-2.264	-0.313	-39.192	-1477.16	1.02
49038_9038	49038	9038	20.74	39.619	-1.216	-3.84	39.348	1477.198	1.02
49038_9039	49038	9039	-20.379	-33.698	1.216	3.84	-23.228	-990.993	1.03
49039_9039	49039	9039	44.928	100.989	0.303	9.959	28.215	10993.46	1.03
49039_9040	49039	9040	-44.756	-95.734	-0.303	-9.959	-31.773	-9836.69	1.05
49040_9040	49040	9040	43.059	92.44	-1.071	-3.641	32.055	9837.093	1.05
49040_9041	49040	9041	-43.016	-88.754	1.071	3.641	-23.222	-9089.83	1.07
49041_9041	49041	9041	42.221	89.135	-1.066	-4.644	23.189	9101.638	1.07
49041_9042	49041	9042	-42.221	-82.376	1.066	4.644	-7.073	-7805.05	1
49042_9042	49042	9042	42.22	83.151	-0.558	-5.239	7.073	7805.051	1
49042_9043	49042	9043	-42.22	-77.839	0.558	5.239	-0.448	-6848.54	1
49043_9043	49043	9043	42.219	77.839	-0.59	-0.039	0.448	6848.538	1
49043_9044	49043	9044	-42.219	-72.533	0.59	0.039	6.551	-5955.93	1
49044_9044	49044	9044	42.218	70.734	-0.039	-2.752	-6.551	5955.923	1
49044_9045	49044	9045	-42.218	-65.423	0.039	2.752	7.017	-5147.14	1
49045_9045	49045	9045	42.218	65.423	-0.075	1.563	-7.017	5147.142	1
49045_9046	49045	9046	-42.218	-60.113	0.075	-1.563	7.903	-4401.5	1
49046_9046	49046	9046	42.218	62.266	0.042	-0.166	-7.903	4401.502	1
49046_9047	49046	9047	-42.218	-56.957	-0.042	0.166	7.407	-3693.47	1
49047_9047	49047	9047	42.218	56.957	0.007	2.932	-7.407	3693.47	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
49047_9048	49047	9048	-42.218	-51.648	-0.007	-2.932	7.331	-3048.55	1
49048_9048	49048	9048	42.218	53.776	-0.063	2.039	-7.331	3048.541	1
49048_9049	49048	9049	-42.218	-48.469	0.063	-2.039	8.08	-2441.48	1
49049_9049	49049	9049	42.218	48.469	-0.098	4.087	-8.08	2441.473	1
49049_9050	49049	9050	-42.218	-43.161	0.098	-4.087	9.248	-1897.48	1
49050_9050	49050	9050	42.219	45.059	1.942	3.94	-9.248	1897.47	1
49050_9051	49050	9051	-42.219	-38.293	-1.942	-3.94	-20.147	-1266.74	1.15
49051_9051	49051	9051	41.891	38.653	1.903	5.117	20.192	1262.998	1.15
49051_9052	49051	9052	-41.933	-34.966	-1.903	-5.117	-35.889	-959.349	1.06
49052_9052	49052	9052	41.398	35.022	-0.261	6.486	36.016	959.338	1.06
49052_9053	49052	9053	-41.571	-29.77	0.261	-6.486	-32.954	-578.591	1.03
49053_9053	49053	9053	43.346	32.91	1.304	2.795	22.163	223.126	1.03
49053_9054	49053	9054	-43.707	-26.985	-1.304	-2.795	-39.472	174.305	1.02
49054_9054	49054	9054	43.012	28.522	-2.456	3.621	39.668	-174.299	1.02
49054_9055	49054	9055	-43.511	-22.935	2.456	-3.621	-8.889	496.802	1.01
49055_9055	49055	9055	42.895	24.064	-2.491	2.993	8.94	-496.806	1.01
49055_9056	49055	9056	-43.551	-18.477	2.491	-2.993	22.362	764.032	1.01
49056_9056	49056	9056	91.852	46.028	5.315	-0.68	-136.416	932.16	1.01
49056_9057	49056	9057	-91.852	-41.783	-5.315	0.68	85.925	-515.106	1
49057_9057	49057	9057	91.862	41.783	5.15	-0.043	-85.925	520.346	1
49057_9058	49057	9058	-91.862	-38.318	-5.15	0.043	46.003	-209.858	1
49058_9058	49058	9058	91.868	38.318	5.032	0.226	-46.003	209.859	1
49058_9059	49058	9059	-91.868	-34.852	-5.032	-0.226	7	73.738	1
49059_9059	49059	9059	91.882	34.881	1.055	0.728	-7	-73.736	1
49059_9060	49059	9060	-91.882	-31.309	-1.055	-0.728	-1.434	338.252	1
49060_9060	49060	9060	91.883	27.669	0.932	0.275	1.434	-338.252	1
49060_9061	49060	9061	-91.883	-24.092	-0.932	-0.275	-8.893	545.343	1
49061_9061	49061	9061	91.883	24.092	0.932	0.275	8.893	-545.343	1
49061_9062	49061	9062	-91.883	-20.515	-0.932	-0.275	-16.351	723.813	1
49062_9062	49062	9062	91.884	21.301	0.654	0.823	16.351	-723.81	1
49062_9063	49062	9063	-91.884	-18.617	-0.654	-0.823	-20.276	843.671	1
49063_9063	49063	9063	91.884	18.617	0.817	2.327	20.276	-843.668	1
49063_9064	49063	9064	-91.884	-15.936	-0.817	-2.327	-25.176	947.26	1
49064_9064	49064	9064	91.886	15.936	0.511	-0.825	25.176	-947.262	1
49064_9065	49064	9065	-91.886	-13.256	-0.511	0.825	-28.242	1034.764	1
49065_9065	49065	9065	91.884	13.256	0.654	0.774	28.242	-1034.76	1
49065_9066	49065	9066	-91.884	-10.572	-0.654	-0.774	-32.167	1106.315	1
49066_9066	49066	9066	91.886	11.445	0.557	2.024	32.167	-1106.32	1
49066_9067	49066	9067	-91.886	-7.87	-0.557	-2.024	-36.623	1183.577	1
49067_9067	49067	9067	91.886	7.87	0.442	0.548	36.623	-1183.58	1
49067_9068	49067	9068	-91.886	-4.294	-0.442	-0.548	-40.16	1232.226	1
49068_9068	49068	9068	91.886	4.294	0.442	0.548	40.16	-1232.23	1
49068_9069	49068	9069	-91.886	-0.718	-0.442	-0.548	-43.698	1252.275	1
49069_9069	49069	9069	91.872	0.974	-3.033	2.375	43.698	-1252.29	1
49069_9070	49069	9070	-91.872	2.49	3.033	-2.375	-20.197	1246.415	1
49070_9070	49070	9070	91.873	-2.49	-3.041	2.267	20.197	-1246.42	1
49070_9071	49070	9071	-91.873	5.957	3.041	-2.267	3.397	1213.65	1
49071_9071	49071	9071	91.867	-5.957	-3.205	-0.105	-3.397	-1219.92	1
49071_9072	49071	9072	-91.867	10.204	3.205	0.105	33.841	1143.153	1.01
49072_9072	49072	9072	33.208	18.235	2.661	1.475	-1.994	-3267.03	1.01
49072_9073	49072	9073	-32.551	-12.649	-2.661	-1.475	-31.435	3461.002	1.01
49073_9073	49073	9073	32.214	13.497	2.61	-5.036	31.894	-3461	1.01
49073_9074	49073	9074	-31.714	-7.908	-2.61	5.036	-64.624	3595.213	1.01
49074_9074	49074	9074	31.493	9.241	-1.864	0.175	64.132	-3595.29	1.01
49074_9075	49074	9075	-31.131	-3.32	1.864	-0.175	-39.41	3678.586	1.03
49075_9075	49075	9075	31.152	77.535	-0.276	8.178	53.727	7777.822	1.03

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
49075_9076	49075	9076	-30.98	-72.283	0.276	-8.178	-50.483	-6897.26	1.03
49076_9076	49076	9076	29.76	69.532	-1.052	-4.987	50.716	6897.491	1.03
49076_9077	49076	9077	-29.718	-65.847	1.052	4.987	-42.038	-6339.4	1
49077_9077	49077	9077	29.152	62.459	-1.063	-3.378	41.993	6329.131	1
49077_9078	49077	9078	-29.152	-56.329	1.063	3.378	-27.412	-5514.6	1
49078_9078	49078	9078	29.15	57.936	-0.6	-5.062	27.412	5514.612	1
49078_9079	49078	9079	-29.15	-52.948	0.6	5.062	-20.716	-4895.97	1
49079_9079	49079	9079	29.149	52.948	-0.628	-0.434	20.716	4895.972	1
49079_9080	49079	9080	-29.149	-47.956	0.628	0.434	-13.708	-4332.53	1
49080_9080	49080	9080	29.149	50.106	-0.011	-1.521	13.708	4332.533	1
49080_9081	49080	9081	-29.149	-45.115	0.011	1.521	-13.585	-3800.89	1
49081_9081	49081	9081	29.149	45.115	-0.011	-1.521	13.585	3800.886	1
49081_9082	49081	9082	-29.149	-40.123	0.011	1.521	-13.463	-3324.98	1
49082_9082	49082	9082	29.149	42.818	-0.22	-1.069	13.463	3324.976	1
49082_9083	49082	9083	-29.149	-37.45	0.22	1.069	-10.82	-2843.11	1
49083_9083	49083	9083	29.149	37.45	-0.243	1.173	10.82	2843.106	1
49083_9084	49083	9084	-29.149	-32.088	0.243	-1.173	-7.904	-2426.01	1
49084_9084	49084	9084	29.149	34.844	-0.024	0.677	7.904	2426.01	1
49084_9085	49084	9085	-29.149	-29.854	0.024	-0.677	-7.643	-2064.86	1
49085_9085	49085	9085	29.148	29.854	-0.05	2.524	7.643	2064.862	1
49085_9086	49085	9086	-29.148	-24.864	0.05	-2.524	-7.093	-1759.44	1
49086_9086	49086	9086	29.148	27.479	-0.38	2.164	7.093	1759.437	1
49086_9087	49086	9087	-29.148	-22.484	0.38	-2.164	-2.842	-1480.32	1
49087_9087	49087	9087	29.148	22.484	-0.406	3.425	2.842	1480.315	1
49087_9088	49087	9088	-29.148	-17.494	0.406	-3.425	1.683	-1257.18	1
49088_9088	49088	9088	29.149	19.595	1.491	3.759	-1.683	1257.173	1
49088_9089	49088	9089	-29.149	-13.702	-1.491	-3.759	-17.971	-1037.68	1.08
49089_9089	49089	9089	29.029	13.955	1.47	4.044	18.007	1043.501	1.08
49089_9090	49089	9090	-29.072	-10.265	-1.47	-4.044	-30.149	-943.488	1.08
49090_9090	49090	9090	29.012	6.879	-0.088	5.104	30.252	943.484	1.08
49090_9091	49090	9091	-29.184	-1.63	0.088	-5.104	-29.224	-893.521	1.02
49091_9091	49091	9091	31.879	3.961	1.357	2.751	21.703	636.633	1.02
49091_9092	49091	9092	-32.24	1.962	-1.357	-2.751	-39.707	-623.373	1.02
49092_9092	49092	9092	32.292	-0.789	-2.93	1.949	39.778	623.367	1.02
49092_9093	49092	9093	-32.79	6.377	2.93	-1.949	-3.046	-668.287	1.02
49093_9093	49093	9093	32.939	-5.517	-3.007	3.462	3.259	668.281	1.02
49093_9094	49093	9094	-33.593	11.105	3.007	-3.462	34.527	-772.712	1
49094_9094	49094	9094	-8.135	37.2	3.994	-1.186	-99.08	1111.641	1
49094_9095	49094	9095	8.135	-32.955	-3.994	1.186	61.152	-778.498	1
49095_9095	49095	9095	-8.129	32.955	4.006	-0.166	-61.152	778.093	1
49095_9096	49095	9096	8.129	-29.489	-4.006	0.166	30.082	-535.953	1
49096_9096	49096	9096	-8.129	29.489	4.005	-0.192	-30.082	535.954	1
49096_9097	49096	9097	8.129	-26.027	-4.005	0.192	-0.946	-320.96	1
49097_9097	49097	9097	-8.11	25.867	0.16	-0.237	0.946	320.958	1
49097_9098	49097	9098	8.11	-22.288	-0.16	0.237	-2.227	-128.214	1
49098_9098	49098	9098	-8.11	22.288	0.17	-0.083	2.227	128.214	1
49098_9099	49098	9099	8.11	-18.714	-0.17	0.083	-3.587	35.691	1
49099_9099	49099	9099	-8.11	18.714	0.17	-0.085	3.587	-35.691	1
49099_9100	49099	9100	8.11	-15.136	-0.17	0.085	-4.95	171.175	1
49100_9100	49100	9100	-8.11	15.864	0.213	0.286	4.95	-171.174	1
49100_9101	49100	9101	8.11	-13.18	-0.213	-0.286	-6.229	258.358	1
49101_9101	49101	9101	-8.11	13.18	0.212	0.301	6.229	-258.358	1
49101_9102	49101	9102	8.11	-10.502	-0.212	-0.301	-7.502	329.325	1
49102_9102	49102	9102	-8.11	10.502	0.213	0.282	7.502	-329.325	1
49102_9103	49102	9103	8.11	-7.818	-0.213	-0.282	-8.78	384.315	1
49103_9103	49103	9103	-8.11	7.818	0.227	-0.357	8.78	-384.315	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
49103_9104	49103	9104	8.11	-5.135	-0.227	0.357	-10.14	423.193	1
49104_9104	49104	9104	-8.109	5.907	0.37	0.764	10.14	-423.195	1
49104_9105	49104	9105	8.109	-2.334	-0.37	-0.764	-13.095	456.134	1
49105_9105	49105	9105	-8.109	2.334	0.38	0.177	13.095	-456.135	1
49105_9106	49105	9106	8.109	1.243	-0.38	-0.177	-16.136	460.497	1
49106_9106	49106	9106	-8.108	-1.243	0.38	0.194	16.136	-460.497	1
49106_9107	49106	9107	8.108	4.817	-0.38	-0.194	-19.171	436.274	1
49107_9107	49107	9107	-8.126	-4.686	-3.321	0.95	19.171	-436.281	1
49107_9108	49107	9108	8.126	8.152	3.321	-0.95	6.577	386.515	1
49108_9108	49108	9108	-8.126	-8.152	-3.321	0.95	-6.577	-386.515	1
49108_9109	49108	9109	8.126	11.617	3.321	-0.95	32.325	309.879	1
49109_9109	49109	9109	-8.129	-11.617	-3.313	0.446	-32.325	-309.417	1
49109_9110	49109	9110	8.129	15.865	3.313	-0.446	63.807	178.825	1.01
49110_9110	49110	9110	32.564	33.759	2.704	-1.133	-17.798	-751.217	1.01
49110_9111	49110	9111	-31.909	-28.174	-2.704	1.133	-16.16	1140.143	1.01
49111_9111	49111	9111	30.888	25.372	2.657	-3.398	16.264	-1140.14	1.01
49111_9112	49111	9112	-30.39	-19.782	-2.657	3.398	-49.582	1423.246	1.01
49112_9112	49112	9112	29.861	20.762	-1.395	-2.474	49.371	-1423.27	1.01
49112_9113	49112	9113	-29.5	-14.842	1.395	2.474	-30.872	1659.329	1.03
49113_9113	49113	9113	27.969	90.102	-0.339	4.807	26.14	9880.848	1.03
49113_9114	49113	9114	-27.796	-84.848	0.339	-4.807	-22.15	-8852.44	1.03
49114_9114	49114	9114	26.354	82.354	-0.616	-4.817	22.308	8852.699	1.03
49114_9115	49114	9115	-26.312	-78.666	0.616	4.817	-17.221	-8188.33	1.11
49115_9115	49115	9115	25.623	78.892	-0.622	-3.499	17.179	8187.117	1.11
49115_9116	49115	9116	-25.623	-72.763	0.622	3.499	-8.66	-7147.3	1
49116_9116	49116	9116	25.623	73.659	-0.355	-8.582	8.66	7147.312	1
49116_9117	49116	9117	-25.623	-68.669	0.355	8.582	-4.695	-6352.98	1
49117_9117	49117	9117	25.623	68.669	-0.402	2.897	4.695	6352.983	1
49117_9118	49117	9118	-25.623	-63.676	0.402	-2.897	-0.209	-5613.73	1
49118_9118	49118	9118	25.623	66.151	-0.001	-6.028	0.209	5613.732	1
49118_9119	49118	9119	-25.623	-61.162	0.001	6.028	-0.197	-4903.23	1
49119_9119	49119	9119	25.623	61.162	-0.047	2.823	0.197	4903.234	1
49119_9120	49119	9120	-25.623	-56.167	0.047	-2.823	0.332	-4247.88	1
49120_9120	49120	9120	25.623	58.914	0.111	-2.922	-0.332	4247.886	1
49120_9121	49120	9121	-25.623	-53.555	-0.111	2.922	-1.007	-3573.57	1
49121_9121	49121	9121	25.623	53.555	0.068	3.075	1.007	3573.564	1
49121_9122	49121	9122	-25.623	-48.19	-0.068	-3.075	-1.832	-2963.05	1
49122_9122	49122	9122	25.623	51.433	-0.01	-1.511	1.832	2963.046	1
49122_9123	49122	9123	-25.623	-46.439	0.01	1.511	-1.719	-2416.39	1
49123_9123	49123	9123	25.623	46.439	-0.079	4.978	1.719	2416.382	1
49123_9124	49123	9124	-25.623	-41.446	0.079	-4.978	-0.837	-1925.52	1
49124_9124	49124	9124	25.623	40.874	-0.129	1.763	0.837	1925.519	1
49124_9125	49124	9125	-25.623	-35.885	0.129	-1.763	0.605	-1497.19	1
49125_9125	49125	9125	25.622	35.885	-0.175	4.456	-0.605	1497.185	1
49125_9126	49125	9126	-25.622	-30.891	0.175	-4.456	2.563	-1124.23	1
49126_9126	49126	9126	25.624	33.839	2.06	4.04	-2.563	1124.229	1
49126_9127	49126	9127	-25.624	-27.854	-2.06	-4.04	-25.022	-711.187	1
49127_9127	49127	9127	25.388	28.072	2.024	4.29	25.06	717.913	1
49127_9128	49127	9128	-25.429	-24.389	-2.024	-4.29	-41.741	-501.763	1
49128_9128	49128	9128	25.033	25.135	-0.036	6.969	41.889	501.774	1
49128_9129	49128	9129	-25.205	-19.883	0.036	-6.969	-41.46	-237.211	1.07
49129_9129	49129	9129	31.82	22.929	2.444	2.2	48.398	-122.397	1.07
49129_9130	49129	9130	-32.181	-17.006	-2.444	-2.2	-80.826	387.304	1.04
49130_9130	49130	9130	32.978	1.796	-5.757	3.612	81.118	-387.3	1.04
49130_9131	49130	9131	-33.476	3.791	5.757	-3.612	-8.949	374.798	1.03
49131_9131	49131	9131	33.559	-2.914	-5.783	3.077	9.01	-374.801	1.03

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
49131_9132	49131	9132	-34.213	8.506	5.783	-3.077	63.719	302.993	1.03
49132_9132	49132	9132	44.019	39.235	6.959	0.818	-148.797	988.708	1.03
49132_9133	49132	9133	-44.019	-34.989	-6.959	-0.818	82.692	-636.141	1
49133_9133	49133	9133	44.01	34.989	7.015	-1.497	-82.692	645.513	1
49133_9134	49133	9134	-44.01	-31.525	-7.015	1.497	28.323	-387.771	1
49134_9134	49134	9134	44.019	31.525	6.959	-0.997	-28.323	387.773	1
49134_9135	49134	9135	-44.019	-28.06	-6.959	0.997	-25.604	-156.88	1
49135_9135	49135	9135	44.012	27.373	-0.353	-0.161	25.604	156.878	1
49135_9136	49135	9136	-44.012	-23.797	0.353	0.161	-22.78	47.804	1
49136_9136	49136	9136	44.011	23.797	-0.408	-0.222	22.78	-47.804	1
49136_9137	49136	9137	-44.011	-20.222	0.408	0.222	-19.514	223.878	1
49137_9137	49137	9137	44.011	20.222	-0.408	-0.222	19.514	-223.878	1
49137_9138	49137	9138	-44.011	-16.646	0.408	0.222	-16.25	371.345	1
49138_9138	49138	9138	44.012	17.512	-0.16	0.604	16.25	-371.344	1
49138_9139	49138	9139	-44.012	-14.831	0.16	-0.604	-15.285	468.372	1
49139_9139	49139	9139	44.011	14.831	-0.234	-0.177	15.285	-468.373	1
49139_9140	49139	9140	-44.011	-12.149	0.234	0.177	-13.882	549.307	1
49140_9140	49140	9140	44.011	12.149	-0.234	-0.177	13.882	-549.307	1
49140_9141	49140	9141	-44.011	-9.466	0.234	0.177	-12.477	614.152	1
49141_9141	49141	9141	44.012	9.466	-0.16	0.846	12.477	-614.151	1
49141_9142	49141	9142	-44.012	-6.784	0.16	-0.846	-11.514	662.902	1
49142_9142	49142	9142	44.011	4.149	0.215	0.488	11.514	-662.903	1
49142_9143	49142	9143	-44.011	-0.573	-0.215	-0.488	-13.238	681.796	1
49143_9143	49143	9143	44.012	0.573	0.27	1.341	13.238	-681.795	1
49143_9144	49143	9144	-44.012	3.003	-0.27	-1.341	-15.403	672.079	1
49144_9144	49144	9144	44.011	-3.003	0.215	0.501	15.403	-672.08	1
49144_9145	49144	9145	-44.011	6.578	-0.215	-0.501	-17.127	633.756	1
49145_9145	49145	9145	44.008	-6.511	-3.182	1.216	17.127	-633.757	1
49145_9146	49145	9146	-44.008	9.975	3.182	-1.216	7.534	569.873	1
49146_9146	49146	9146	44.013	-9.975	-3.126	1.95	-7.534	-569.872	1
49146_9147	49146	9147	-44.013	13.44	3.126	-1.95	31.756	479.139	1
49147_9147	49147	9147	44.008	-13.44	-3.182	0.699	-31.756	-487.9	1
49147_9148	49147	9148	-44.008	17.686	3.182	-0.699	61.987	340.053	1
49148_9148	49148	9148	14.446	21.077	2.331	-1.606	-18.793	-2008.13	1
49148_9149	49148	9149	-13.793	-15.489	-2.331	1.606	-10.506	2237.86	1
49149_9149	49149	9149	13.381	15.846	2.331	-1.881	10.461	-2237.86	1
49149_9150	49149	9150	-12.883	-10.259	-2.331	1.881	-39.692	2401.476	1
49150_9150	49150	9150	12.607	10.31	-0.724	-1.875	39.581	-2401.47	1
49150_9151	49150	9151	-12.246	-4.388	0.724	1.875	-29.969	2498.977	1
49151_9151	49151	9151	18.732	84.396	-1.845	-6.649	16.255	8796.437	1
49151_9152	49151	9152	-18.559	-79.144	1.845	6.649	5.424	-7835.34	1
49152_9152	49152	9152	17.263	78.153	0.454	0.41	-5.591	7835.347	1
49152_9153	49152	9153	-17.221	-74.465	-0.454	-0.41	1.849	-7205.78	1
49153_9153	49153	9153	16.585	74.609	0.466	-4.862	-1.846	7207.445	1
49153_9154	49153	9154	-16.585	-68.463	-0.466	4.862	-4.555	-6223.82	1
49154_9154	49154	9154	16.585	70.061	-0.351	-4.516	4.555	6223.823	1
49154_9155	49154	9155	-16.585	-65.144	0.351	4.516	-0.694	-5480.19	1
49155_9155	49155	9155	16.585	65.144	-0.366	0.466	0.694	5480.191	1
49155_9156	49155	9156	-16.585	-60.228	0.366	-0.466	3.334	-4790.65	1
49156_9156	49156	9156	16.585	62.94	-0.1	-2.875	-3.334	4790.643	1
49156_9157	49156	9157	-16.585	-58.47	0.1	2.875	4.332	-4183.59	1
49157_9157	49157	9157	16.585	58.47	-0.117	1.308	-4.332	4183.592	1
49157_9158	49157	9158	-16.585	-54	0.117	-1.308	5.497	-3621.24	1
49158_9158	49158	9158	16.585	56.746	0.129	-1.031	-5.497	3621.241	1
49158_9159	49158	9159	-16.585	-52.275	-0.129	1.031	4.215	-3076.14	1
49159_9159	49159	9159	16.585	52.275	0.112	2.045	-4.215	3076.137	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
49159_9160	49159	9160	-16.585	-47.805	-0.112	-2.045	3.098	-2575.73	1
49160_9160	49160	9160	16.585	50.538	0.024	1.74	-3.098	2575.734	1
49160_9161	49160	9161	-16.585	-45.626	-0.024	-1.74	2.832	-2047.32	1
49161_9161	49161	9161	16.585	41.986	0.025	1.742	-2.832	2047.315	1
49161_9162	49161	9162	-16.585	-37.069	-0.025	-1.742	2.564	-1612.52	1
49162_9162	49162	9162	16.585	39.838	1.408	3.419	-2.564	1612.515	1
49162_9163	49162	9163	-16.585	-33.692	-1.408	-3.419	-16.796	-1106.99	1
49163_9163	49163	9163	16.297	33.832	1.428	2.036	16.814	1105.819	1
49163_9164	49163	9164	-16.339	-30.144	-1.428	-2.036	-28.595	-841.912	1
49164_9164	49164	9164	15.849	30.596	0.468	5.322	28.716	841.909	1
49164_9165	49164	9165	-16.021	-25.344	-0.468	-5.322	-34.218	-513.162	1
49165_9165	49165	9165	20.746	27.755	1.883	1.406	25.717	134.105	1
49165_9166	49165	9166	-21.106	-21.832	-1.883	-1.406	-50.704	194.821	1
49166_9166	49166	9166	20.509	22.987	-2.943	3.006	50.94	-194.819	1
49166_9167	49166	9167	-21.007	-17.4	2.943	-3.006	-14.051	447.952	1
49167_9167	49167	9167	20.54	17.945	-2.96	2.28	14.088	-447.955	1
49167_9168	49167	9168	-21.194	-12.357	2.96	-2.28	23.11	638.322	1
49168_9168	49168	9168	89.158	39.239	5.027	-0.795	-109.373	1107.912	1
49168_9169	49168	9169	-89.158	-34.993	-5.027	0.795	61.612	-755.308	1
49169_9169	49169	9169	89.163	34.993	4.933	-1.028	-61.612	773.876	1
49169_9170	49169	9170	-89.163	-31.529	-4.933	1.028	23.376	-516.104	1
49170_9170	49170	9170	89.157	31.529	5.049	-1.694	-23.376	516.103	1
49170_9171	49170	9171	-89.157	-28.064	-5.049	1.694	-15.752	-285.179	1
49171_9171	49171	9171	89.163	27.683	-0.047	-0.384	15.752	285.181	1
49171_9172	49171	9172	-89.163	-24.107	0.047	0.384	-15.377	-78.021	1
49172_9172	49172	9172	89.163	24.107	0.065	-0.481	15.377	78.02	1
49172_9173	49172	9173	-89.163	-20.531	-0.065	0.481	-15.893	100.532	1
49173_9173	49173	9173	89.163	20.531	-0.047	-0.607	15.893	-100.533	1
49173_9174	49173	9174	-89.163	-16.955	0.047	0.607	-15.519	250.476	1
49174_9174	49174	9174	89.163	17.858	0.084	-0.106	15.519	-250.476	1
49174_9175	49174	9175	-89.163	-15.176	-0.084	0.106	-16.023	349.579	1
49175_9175	49175	9175	89.163	15.176	0.233	0.477	16.023	-349.578	1
49175_9176	49175	9176	-89.163	-12.494	-0.233	-0.477	-17.418	432.589	1
49176_9176	49176	9176	89.163	12.494	0.084	-0.244	17.418	-432.589	1
49176_9177	49176	9177	-89.163	-9.812	-0.084	0.244	-17.922	499.507	1
49177_9177	49177	9177	89.163	9.812	0.084	-0.244	17.922	-499.507	1
49177_9178	49177	9178	-89.163	-7.13	-0.084	0.244	-18.426	550.333	1
49178_9178	49178	9178	89.163	7.993	0.275	0.712	18.426	-550.333	1
49178_9179	49178	9179	-89.163	-4.417	-0.275	-0.712	-20.625	599.976	1
49179_9179	49179	9179	89.163	4.417	0.163	-0.038	20.625	-599.977	1
49179_9180	49179	9180	-89.163	-0.842	-0.163	0.038	-21.933	621.013	1
49180_9180	49180	9180	89.163	0.842	0.275	0.738	21.933	-621.012	1
49180_9181	49180	9181	-89.163	2.735	-0.275	-0.738	-24.131	613.44	1
49181_9181	49181	9181	89.163	-2.858	-4.844	1.507	24.131	-613.44	1
49181_9182	49181	9182	-89.163	6.321	4.844	-1.507	13.414	577.873	1
49182_9182	49182	9182	89.163	-9.961	-4.844	1.507	-13.414	-577.873	1
49182_9183	49182	9183	-89.163	13.426	4.844	-1.507	50.959	487.248	1
49183_9183	49183	9183	89.168	-13.426	-4.751	1.14	-50.959	-503.762	1
49183_9184	49183	9184	-89.168	17.672	4.751	-1.14	96.09	356.047	1.02
49184_9184	49184	9184	28.959	14.638	2.789	-1.024	-14.176	-2366.29	1.02
49184_9185	49184	9185	-28.305	-9.051	-2.789	1.024	-20.87	2515.098	1.03
49185_9185	49185	9185	28.06	9.788	2.767	-3.577	20.986	-2515.09	1.03
49185_9186	49185	9186	-27.561	-4.201	-2.767	3.577	-55.679	2602.773	1.04
49186_9186	49186	9186	27.435	4.59	-1.84	-1.27	55.387	-2602.78	1.04
49186_9187	49186	9187	-27.074	1.332	1.84	1.27	-30.968	2624.392	1.08
49187_9187	49187	9187	16.608	86.207	-0.546	-5.407	36.589	8851.093	1.08

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
49187_9188	49187	9188	-16.436	-80.955	0.546	5.407	-30.171	-7868.73	1.08
49188_9188	49188	9188	15.119	79.226	-1.599	-0.778	30.037	7868.728	1.08
49188_9189	49188	9189	-15.077	-75.538	1.599	0.778	-16.84	-7230.31	1
49189_9189	49189	9189	14.442	75.662	-1.589	-5.915	16.834	7232.689	1
49189_9190	49189	9190	-14.442	-69.516	1.589	5.915	5.016	-6234.59	1
49190_9190	49190	9190	14.441	71.462	-0.135	-0.009	-5.016	6234.59	1
49190_9191	49190	9191	-14.441	-66.545	0.135	0.009	6.501	-5475.55	1
49191_9191	49191	9191	14.441	66.545	-0.122	-4.987	-6.501	5475.549	1
49191_9192	49191	9192	-14.441	-61.628	0.122	4.987	7.842	-4770.6	1
49192_9192	49192	9192	14.441	64.049	-0.2	-3.002	-7.842	4770.598	1
49192_9193	49192	9193	-14.441	-59.601	0.2	3.002	9.837	-4155.44	1
49193_9193	49193	9193	14.441	59.601	-0.215	1.175	-9.837	4155.438	1
49193_9194	49193	9194	-14.441	-55.154	0.215	-1.175	11.977	-3584.53	1
49194_9194	49194	9194	14.441	57.532	-0.283	-0.639	-11.977	3584.537	1
49194_9195	49194	9195	-14.441	-53.085	0.283	0.639	14.8	-3034.22	1
49195_9195	49195	9195	14.441	53.085	-0.298	2.41	-14.8	3034.214	1
49195_9196	49195	9196	-14.441	-48.642	0.298	-2.41	17.764	-2528.63	1
49196_9196	49196	9196	14.438	50.755	0.153	1.615	-17.764	2528.647	1
49196_9197	49196	9197	-14.438	-45.838	-0.153	-1.615	16.078	-1997.39	1
49197_9197	49197	9197	14.438	45.838	0.14	3.431	-16.078	1997.385	1
49197_9198	49197	9198	-14.438	-40.921	-0.14	-3.431	14.537	-1520.21	1
49198_9198	49198	9198	14.424	39.469	1.944	3.824	-14.537	1520.226	1
49198_9199	49198	9199	-14.424	-33.319	-1.944	-3.824	-12.215	-1019.45	1.03
49199_9199	49199	9199	14.145	33.439	1.933	4.923	12.256	1016.009	1.03
49199_9200	49199	9200	-14.188	-29.751	-1.933	-4.923	-28.211	-755.346	1.03
49200_9200	49200	9200	13.747	29.221	-1.076	7.901	28.369	755.375	1.03
49200_9201	49200	9201	-13.923	-23.969	1.076	-7.901	-15.721	-442.799	1.03
49201_9201	49201	9201	18.965	27.835	1.614	1.973	4.159	-96.808	1.03
49201_9202	49201	9202	-19.331	-21.913	-1.614	-1.973	-25.574	426.791	1.02
49202_9202	49202	9202	18.788	22.638	-2.528	3.387	25.766	-426.78	1.02
49202_9203	49202	9203	-19.292	-17.05	2.528	-3.387	5.911	675.513	1.01
49203_9203	49203	9203	18.848	17.542	-2.511	4.076	-5.768	-675.511	1.01
49203_9204	49203	9204	-19.508	-11.955	2.511	-4.076	37.312	860.801	1.01
49204_9204	49204	9204	87.22	38.877	4.913	-0.762	-140.656	1124.11	1.01
49204_9205	49204	9205	-87.22	-34.631	-4.913	0.762	93.979	-774.95	1
49205_9205	49205	9205	87.225	34.631	4.822	-1.252	-93.979	798.566	1
49205_9206	49205	9206	-87.225	-31.166	-4.822	1.252	56.611	-543.605	1
49206_9206	49206	9206	87.225	31.166	4.822	-1.252	-56.611	543.605	1
49206_9207	49206	9207	-87.225	-27.702	-4.822	1.252	19.244	-315.491	1
49207_9207	49207	9207	87.244	27.519	1.117	-0.102	-19.244	315.499	1
49207_9208	49207	9208	-87.244	-23.942	-1.117	0.102	10.308	-109.657	1
49208_9208	49208	9208	87.245	23.942	1.008	0.035	-10.308	109.657	1
49208_9209	49208	9209	-87.245	-20.366	-1.008	-0.035	2.243	67.577	1
49209_9209	49209	9209	87.247	20.366	0.899	-0.049	-2.243	-67.577	1
49209_9210	49209	9210	-87.247	-16.79	-0.899	0.049	-4.949	216.203	1
49210_9210	49210	9210	87.248	17.492	0.987	1.637	4.949	-216.198	1
49210_9211	49210	9211	-87.248	-14.81	-0.987	-1.637	-10.872	313.108	1
49211_9211	49211	9211	87.249	14.81	0.842	1.115	10.872	-313.11	1
49211_9212	49211	9212	-87.249	-12.129	-0.842	-1.115	-15.924	393.928	1
49212_9212	49212	9212	87.25	12.129	0.697	0.459	15.924	-393.93	1
49212_9213	49212	9213	-87.25	-9.446	-0.697	-0.459	-20.104	458.656	1
49213_9213	49213	9213	87.252	9.446	0.551	-0.305	20.104	-458.656	1
49213_9214	49213	9214	-87.252	-6.765	-0.551	0.305	-23.41	507.289	1
49214_9214	49214	9214	87.251	7.517	0.072	2.853	23.41	-507.308	1
49214_9215	49214	9215	-87.251	-3.946	-0.072	-2.853	-23.989	553.106	1
49215_9215	49215	9215	87.25	3.946	-0.145	1.478	23.989	-553.111	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
49215_9216	49215	9216	-87.25	-0.369	0.145	-1.478	-22.833	570.373	1
49216_9216	49216	9216	87.249	0.369	-0.363	0.052	22.833	-570.375	1
49216_9217	49216	9217	-87.249	3.207	0.363	-0.052	-19.931	559.023	1
49217_9217	49217	9217	87.233	-3.044	-2.013	4.365	19.931	-559.081	1
49217_9218	49217	9218	-87.233	6.509	2.013	-4.365	-4.332	522.06	1
49218_9218	49218	9218	87.225	-6.509	-2.35	2.345	4.332	-522.073	1
49218_9219	49218	9219	-87.225	9.973	2.35	-2.345	13.886	458.192	1
49219_9219	49219	9219	87.224	-13.613	-2.386	1.583	-13.886	-479.268	1
49219_9220	49219	9220	-87.224	17.861	2.386	-1.583	36.554	329.731	1
49220_9220	49220	9220	19.38	8.903	2.189	3.276	-13.977	-2627.19	1
49220_9221	49220	9221	-18.719	-3.318	-2.189	-3.276	-13.513	2703.912	1
49221_9221	49221	9221	18.635	3.8	2.131	-5.642	14.227	-2703.91	1
49221_9222	49221	9222	-18.131	1.79	-2.131	5.642	-40.951	2716.509	1.01
49222_9222	49222	9222	18.091	-1.349	-1.144	-1.785	40.56	-2716.81	1.01
49222_9223	49222	9223	-17.725	7.271	1.144	1.785	-25.391	2659.637	1.01
49223_9223	49223	9223	23.19	85.784	2.153	24.841	65.327	8957.222	1.01
49223_9224	49223	9224	-23.014	-80.533	-2.153	-24.841	-90.631	-7980	1.03
49224_9224	49224	9224	21.526	74.831	-2.981	-16.966	91.348	7981.795	1.03
49224_9225	49224	9225	-21.484	-71.141	2.981	16.966	-66.738	-7379.19	1
49225_9225	49225	9225	20.882	71.317	-3.051	7.289	66.595	7379.16	1
49225_9226	49225	9226	-20.882	-64.843	3.051	-7.289	-22.409	-6393.17	1
49226_9226	49226	9226	20.933	63.551	-0.001	-8.283	22.409	6393.876	1
49226_9227	49226	9227	-20.933	-58.467	0.001	8.283	-22.39	-5700.09	1
49227_9227	49227	9227	20.933	58.467	-0.056	6.738	22.39	5700.093	1
49227_9228	49227	9228	-20.933	-53.383	0.056	-6.738	-21.744	-5064.04	1
49228_9228	49228	9228	20.927	53.476	-0.937	-4.962	21.744	5064.243	1
49228_9229	49228	9229	-20.927	-48.396	0.937	4.962	-11.091	-4485.32	1
49229_9229	49229	9229	20.924	48.396	-0.993	6.859	11.091	4485.312	1
49229_9230	49229	9230	-20.924	-43.314	0.993	-6.859	0.191	-3964.06	1
49230_9230	49230	9230	20.882	43.564	6.542	-3.565	-0.191	3963.887	1
49230_9231	49230	9231	-20.882	-38.181	-6.542	3.565	-78.578	-3471.74	1
49231_9231	49231	9231	20.897	38.181	6.494	4.445	78.578	3471.743	1
49231_9232	49231	9232	-20.897	-34.169	-6.494	-4.445	-136.869	-3147.01	1.03
49232_9232	49232	9232	20.786	34.252	6.416	15.838	136.933	3146.499	1.03
49232_9233	49232	9233	-20.793	-32.876	-6.416	-15.838	-156.669	-3043.24	1.03
49233_9233	49233	9233	20.587	30.401	-12.4	-3.92	156.566	3043.156	1.03
49233_9234	49233	9234	-20.67	-26.141	12.4	3.92	-38.384	-2773.7	1.03
49234_9234	49234	9234	20.279	26.419	-12.455	2.868	38.529	2773.702	1.03
49234_9235	49234	9235	-20.404	-23.117	12.455	-2.868	53.51	-2590.68	1.03
49235_9235	49235	9235	20.019	23.417	-12.518	6.4	-53.345	2582.228	1.03
49235_9236	49235	9236	-20.167	-20.634	12.518	-6.4	131.346	-2444.98	1.01
49236_9236	49236	9236	19.589	19.571	18.515	1.922	-131.606	2444.897	1.01
49236_9237	49236	9237	-19.901	-15.17	-18.515	-1.922	-50.969	-2273.61	1.01
49237_9237	49237	9237	12.827	32.053	19.048	5.848	-52.135	-387.964	1.01
49237_9238	49237	9238	-13.211	-27.879	-19.048	-5.848	-126.214	668.537	1.01
49238_9238	49238	9238	13.482	29.798	-11.629	7.783	126.7	-668.402	1.01
49238_9239	49238	9239	-13.931	-25.804	11.629	-7.783	-22.315	917.954	1.01
49239_9239	49239	9239	13.568	25.981	-11.663	5.634	22.216	-917.972	1.01
49239_9240	49239	9240	-13.788	-24.233	11.663	-5.634	23.673	1016.767	1
49240_9240	49240	9240	86.501	32.145	-8.191	-13.785	-79.203	992.848	1
49240_9241	49240	9241	-86.501	-29.316	8.191	13.785	131.067	-798.281	1
49241_9241	49241	9241	85.867	34.976	5.154	-1.146	-131.067	798.876	1
49241_9242	49241	9242	-85.867	-33.563	-5.154	1.146	114.776	-690.561	1
49242_9242	49242	9242	85.877	33.563	4.989	-0.084	-114.776	695.23	1
49242_9243	49242	9243	-85.877	-28.041	-4.989	0.084	53.145	-314.707	1
49243_9243	49243	9243	85.889	28.041	4.761	0.749	-53.145	314.707	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
49243_9244	49243	9244	-85.889	-24.025	-4.761	-0.749	10.369	-80.829	1
49244_9244	49244	9244	86	27.745	2.029	0.753	-10.369	80.817	1
49244_9245	49244	9245	-86	-23.073	-2.029	-0.753	-10.835	184.771	1
49245_9245	49245	9245	86.005	23.073	1.789	0.239	10.835	-184.772	1
49245_9246	49245	9246	-86.005	-18.974	-1.789	-0.239	-27.246	377.55	1
49246_9246	49246	9246	86.04	19.295	0.678	1.161	27.246	-377.479	1
49246_9247	49246	9247	-86.04	-14.579	-0.678	-1.161	-34.403	556.143	1
49247_9247	49247	9247	86.041	14.579	0.391	-0.693	34.403	-556.143	1
49247_9248	49247	9248	-86.041	-10.519	-0.391	0.693	-37.959	670.15	1
49248_9248	49248	9248	86.043	11.273	0.168	1.749	37.959	-670.043	1
49248_9249	49248	9249	-86.043	-7.032	-0.168	-1.749	-39.546	756.884	1
49249_9249	49249	9249	86.043	7.032	-0.044	-0.102	39.546	-756.886	1
49249_9250	49249	9250	-86.043	-2.501	0.044	0.102	-39.107	805.191	1
49250_9250	49250	9250	86.086	3.32	-2.528	2.076	39.107	-805.079	1
49250_9251	49250	9251	-86.086	1.095	2.528	-2.076	-14.142	816.07	1
49251_9251	49251	9251	86.079	-1.095	-2.739	0.077	14.142	-816.073	1
49251_9252	49251	9252	-86.079	5.453	2.739	-0.077	12.557	784.159	1
49252_9252	49252	9252	85.977	-3.927	3.072	10.611	-12.557	-783.968	1
49252_9253	49252	9253	-85.977	5.339	-3.072	-10.611	2.851	769.332	1
49253_9253	49253	9253	85.983	-5.339	2.913	9.234	-2.851	-770.891	1
49253_9254	49253	9254	-85.983	9.585	-2.913	-9.234	-24.815	700	1.01
49254_9254	49254	9254	7.64	2.267	6.607	-9.674	-10.038	-3098.67	1.01
49254_9255	49254	9255	-7.018	3.026	-6.607	9.674	-68.575	3094.155	1.01
49255_9255	49255	9255	7.258	-1.846	-3.171	5.512	67.067	-3093.89	1.01
49255_9256	49255	9256	-6.817	6.6	3.171	-5.512	-33.242	3048.851	1.02
49256_9256	49256	9256	6.941	-6.457	-3.197	-5.94	33.943	-3048.84	1.02
49256_9257	49256	9257	-6.602	11.366	3.197	5.94	1.224	2950.819	1.03
49257_9257	49257	9257	6.83	-9.271	0.786	6.108	-1.801	-2950.76	1.03
49257_9258	49257	9258	-6.718	11.417	-0.786	-6.108	-1.969	2901.087	1.03
49258_9258	49258	9258	6.9	-11.308	0.773	0.926	2.195	-2898.18	1.03
49258_9259	49258	9259	-6.743	15.823	-0.773	-0.926	-10.009	2761.1	1.05
49259_9259	49259	9259	6.955	-15.732	0.754	-6.513	10.107	-2761.09	1.05
49259_9260	49259	9260	-6.906	18.739	-0.754	6.513	-15.181	2645.149	1.05
49260_9260	49260	9260	84.265	-64.785	-2.486	-35.877	74.234	7080.021	1.05
49260_9261	49260	9261	-84.257	66.201	2.486	35.877	-66.362	-7287.42	1
49261_9261	49261	9261	84.511	-65.864	-2.754	-13.283	66.218	7279.119	1
49261_9262	49261	9262	-84.511	70.988	2.754	13.283	-34.651	-8063.36	1
49262_9262	49262	9262	84.502	-70.988	-3.02	12.146	34.651	8063.365	1
49262_9263	49262	9263	-84.502	75.399	3.02	-12.146	-4.831	-8785.89	1
49263_9263	49263	9263	84.514	-78.512	-1.404	-12.95	4.831	8786.515	1
49263_9264	49263	9264	-84.514	83.762	1.404	12.95	11.663	-9739.47	1
49264_9264	49264	9264	84.511	-83.762	-1.557	4.641	-11.663	9739.48	1
49264_9265	49264	9265	-84.511	88.819	1.557	-4.641	29.28	-10715.7	1
49265_9265	49265	9265	84.525	-90.406	-0.788	-12.791	-29.28	10716.9	1
49265_9266	49265	9266	-84.525	95.666	0.788	12.791	38.554	-11811.6	1
49266_9266	49266	9266	84.523	-95.666	-0.933	7.332	-38.554	11811.6	1
49266_9267	49266	9267	-84.523	100.714	0.933	-7.332	49.083	-12920.6	1
49267_9267	49267	9267	84.542	-103.89	-0.438	-17.563	-49.083	12922.62	1
49267_9268	49267	9268	-84.542	106.88	0.438	17.563	52.012	-13627.5	1
49268_9268	49268	9268	84.541	-106.88	-0.486	-9.903	-52.012	13627.46	1
49268_9269	49268	9269	-84.541	109.887	0.486	9.903	55.28	-14356.8	1.07
49269_9269	49269	9269	85.566	-109.09	-0.619	13.373	-55.157	14353.45	1.07
49269_9270	49269	9270	-85.62	113.398	0.619	-13.373	61.128	-15425.4	1.04
49270_9270	49270	9270	87.624	-115.652	0.244	-24.266	-61.902	15428.66	1.04
49270_9271	49270	9271	-87.785	120.288	-0.244	24.266	59.36	-16652.7	1.04
49271_9271	49271	9271	89.902	-118.714	0.097	6.031	-58.503	16634.3	1.04

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
49271_9272	49271	9272	-90.102	122.356	-0.097	-6.031	57.718	-17617.1	1.03
49272_9272	49272	9272	91.569	-121.26	-0.103	48.16	-55.328	17617.06	1.03
49272_9273	49272	9273	-91.728	123.562	0.103	-48.16	55.861	-18248.3	1.03
49273_9273	49273	9273	94.083	-128.504	-4.815	-34.186	-61.079	18251.22	1.03
49273_9274	49273	9274	-94.55	133.82	4.815	34.186	118.498	-19815.1	1.03
49274_9274	49274	9274	98.202	-135.037	-5.132	42.555	-112.128	19815.16	1.03
49274_9275	49274	9275	-98.875	140.873	5.132	-42.555	179.454	-21624.9	1.02
49275_9275	49275	9275	-972.661	261.18	-8.898	-14.088	98.927	11183.57	1.02
49275_9276	49275	9276	972.661	-258.997	8.898	14.088	-55.48	-9913.61	1
49276_9276	49276	9276	-972.672	258.997	-7.777	-2.661	55.48	9913.619	1
49276_9277	49276	9277	972.672	-256.932	7.777	2.661	-19.552	-8721.88	1
49277_9277	49277	9277	-972.683	256.932	-6.189	12.166	19.552	8630.196	1
49277_9278	49277	9278	972.683	-252.815	6.189	-12.166	37.455	-6282.36	1
49278_9278	49278	9278	-94.519	31.634	2.897	-0.214	-123.979	824.758	1
49278_9279	49278	9279	94.519	-26.579	-2.897	0.214	91.216	-495.612	1
49279_9279	49279	9279	-94.505	26.579	3.302	1.908	-91.216	495.609	1
49279_9280	49279	9280	94.505	-21.371	-3.302	-1.908	52.74	-216.239	1
49280_9280	49280	9280	-94.615	18.752	-0.616	0.233	-52.74	216.296	1
49280_9281	49280	9281	94.615	-13.518	0.616	-0.233	59.951	-27.367	1
49281_9281	49281	9281	-94.616	13.518	-0.235	0.343	-59.951	27.365	1
49281_9282	49281	9282	94.616	-8.18	0.235	-0.343	62.756	102.197	1
49282_9282	49282	9282	-94.541	14.004	2.741	2.101	-62.756	-71.775	1
49282_9283	49282	9283	94.541	-8.457	-2.741	-2.101	28.752	211.109	1
49283_9283	49283	9283	-94.526	8.457	3.193	1.091	-28.752	-211.116	1
49283_9284	49283	9284	94.526	-3.436	-3.193	-1.091	-7.126	277.93	1
49284_9284	49284	9284	-94.545	-0.342	2.452	1.079	7.126	-277.943	1
49284_9285	49284	9285	94.545	4.869	-2.452	-1.079	-31.962	251.557	1
49285_9285	49285	9285	-94.537	-4.869	2.732	0.335	31.962	-251.559	1
49285_9286	49285	9286	94.537	9.061	-2.732	-0.335	-57.584	186.24	1
49286_9286	49286	9286	-94.537	-8.256	-1.315	0.579	57.584	-186.242	1
49286_9287	49286	9287	94.537	10.055	1.315	-0.579	-52.291	149.395	1
49287_9287	49287	9287	-94.536	-10.055	-1.369	0.589	52.291	-144.256	1
49287_9288	49287	9288	94.536	14.301	1.369	-0.589	-39.286	28.586	1.02
49288_9288	49288	9288	0.23	47.922	-0.756	1.311	0.713	-300.319	1.02
49288_9289	49288	9289	0.29	-43.158	0.756	-1.311	7.379	788.028	1.02
49289_9289	49289	9289	-1.502	41.488	0.98	1.201	-7.321	-788.108	1.02
49289_9290	49289	9290	1.928	-36.185	-0.98	-1.201	-4.33	1250.009	1.03
49290_9290	49290	9290	-2.903	36.12	0.991	-2.09	4.497	-1250.01	1.03
49290_9291	49290	9291	3.162	-30.941	-0.991	2.09	-15.987	1638.795	1.05
49291_9291	49291	9291	-3.792	29.014	-1.189	4.991	15.758	-1639.11	1.05
49291_9292	49291	9292	3.849	-27.161	1.189	-4.991	-10.825	1755.617	1.14
49292_9292	49292	9292	-4.261	27.099	-1.177	0.438	10.948	-1756.47	1.14
49292_9293	49292	9293	4.309	-23.518	1.177	-0.438	-1.518	1959.234	1
49293_9293	49293	9293	-4.565	23.471	-1.168	-3.573	1.523	-1959.23	1
49293_9294	49293	9294	4.566	-19.901	1.168	3.573	7.801	2132.374	1
49294_9294	49294	9294	-4.517	21.498	0.855	6.846	-7.802	-2132.67	1
49294_9295	49294	9295	4.517	-19.706	-0.855	-6.846	4.374	2215.241	1
49295_9295	49295	9295	-4.514	19.706	0.87	-0.369	-4.374	-2214.03	1
49295_9296	49295	9296	4.514	-15.152	-0.87	0.369	-4.491	2391.571	1
49296_9296	49296	9296	-4.511	15.152	0.881	-5.947	4.491	-2391.56	1
49296_9297	49296	9297	4.511	-11.459	-0.881	5.947	-11.769	2501.501	1
49297_9297	49297	9297	-14.516	-19.394	2.865	11.675	-80.575	-8388.11	1
49297_9298	49297	9298	14.516	24.531	-2.865	-11.675	47.646	8135.699	1
49298_9298	49298	9298	-14.507	-24.531	2.915	-16	-47.646	-8135.69	1
49298_9299	49298	9299	14.507	29.305	-2.915	16	16.519	7848.216	1
49299_9299	49299	9299	-14.558	-25.663	0.401	13.64	-16.519	-7849.4	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
49299_9300	49299	9300	14.558	30.491	-0.401	-13.64	12.195	7546.15	1
49300_9300	49300	9300	-14.556	-30.491	0.447	-10.737	-12.195	-7546.15	1
49300_9301	49300	9301	14.556	36.216	-0.447	10.737	6.467	7119.028	1
49301_9301	49301	9301	-14.55	-34.11	0.702	14.274	-6.467	-7119.98	1
49301_9302	49301	9302	14.55	39.41	-0.702	-14.274	-1.848	6684.083	1
49302_9302	49302	9302	-14.547	-39.41	0.758	-11.797	1.848	-6684.09	1
49302_9303	49302	9303	14.547	44.666	-0.758	11.797	-10.757	6189.901	1
49303_9303	49303	9303	-14.542	-42.038	0.945	11.001	10.757	-6190.84	1
49303_9304	49303	9304	14.542	47.653	-0.945	-11.001	-22.63	5627.518	1
49304_9304	49304	9304	-14.539	-47.653	0.994	-7.865	22.63	-5627.52	1
49304_9305	49304	9305	14.539	52.59	-0.994	7.865	-33.606	5074.025	1
49305_9305	49305	9305	-14.541	-50.421	0.814	12.894	33.606	-5074.72	1
49305_9306	49305	9306	14.541	55.361	-0.814	-12.894	-42.599	4490.237	1
49306_9306	49306	9306	-14.537	-55.361	0.873	-5.387	42.599	-4490.25	1
49306_9307	49306	9307	14.537	60.972	-0.873	5.387	-53.558	3760.107	1
49307_9307	49307	9307	-14.556	-59.307	-0.093	8.096	53.558	-3760.64	1
49307_9308	49307	9308	14.556	64.623	0.093	-8.096	-52.452	3023.802	1
49308_9308	49308	9308	-14.556	-68.263	-0.055	0.286	52.452	-3023.81	1
49308_9309	49308	9309	14.556	73.494	0.055	-0.286	-51.804	2194.353	1
49309_9309	49309	9309	-14.737	-74.689	-8.992	7.034	51.804	-2194.65	1
49309_9310	49309	9310	14.737	80.028	8.992	-7.034	55.594	1270.685	1
49310_9310	49310	9310	-14.768	-80.028	-8.943	2.79	-55.594	-1270.7	1
49310_9311	49310	9311	14.768	85.237	8.943	-2.79	159.809	307.716	1
49311_9311	49311	9311	-13.648	-94.047	48.175	-2.78	-159.809	-307.638	1
49311_9312	49311	9312	13.648	95.529	-48.175	2.78	0	-6.799	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1	2	3	4	5	6	7	8	9
49000_9000	49000	9000	1.499	35.343	7.138	-5.315	0	5.217
49000_9001	49000	9001	-1.499	-31.633	-7.138	5.315	-59.243	272.734
49001_9001	49001	9001	1.508	31.633	7.136	-5.696	59.243	-272.728
49001_9002	49001	9002	-1.508	-27.657	-7.136	5.696	-122.705	536.392
49002_9002	49002	9002	1.514	30.252	-5.492	-4.358	122.705	-536.389
49002_9003	49002	9003	-1.514	-24.85	5.492	4.358	-56.335	869.291
49003_9003	49003	9003	1.505	24.85	-5.495	-5.88	56.335	-869.281
49003_9004	49003	9004	-1.505	-19.446	5.495	5.88	10.108	1137.059
49004_9004	49004	9004	1.505	19.981	0.734	-2.543	-10.108	-1137.06
49004_9005	49004	9005	-1.505	-14.582	-0.734	2.543	1.252	1345.806
49005_9005	49005	9005	1.507	14.582	0.731	-4.9	-1.252	-1345.8
49005_9006	49005	9006	-1.507	-9.179	-0.731	4.9	-7.576	1489.396
49006_9006	49006	9006	1.506	12.005	0.031	-1.13	7.576	-1489.39
49006_9007	49006	9007	-1.506	-6.603	-0.031	1.13	-7.948	1601.824
49007_9007	49007	9007	1.507	6.603	0.029	-2.445	7.948	-1601.82
49007_9008	49007	9008	-1.507	-1.201	-0.029	2.445	-8.306	1648.967
49008_9008	49008	9008	1.507	4.314	-0.144	-0.043	8.306	-1648.96
49008_9009	49008	9009	-1.507	1.091	0.144	0.043	-6.568	1668.449
49009_9009	49009	9009	1.507	-1.091	-0.143	0.134	6.568	-1668.45
49009_9010	49009	9010	-1.507	6.49	0.143	-0.134	-4.834	1622.664
49010_9010	49010	9010	1.506	-3.427	0.17	3.143	4.834	-1622.67
49010_9011	49010	9011	-1.506	8.831	-0.17	-3.143	-6.88	1548.581
49011_9011	49011	9011	1.507	-8.831	0.167	0.6	6.88	-1548.58
49011_9012	49011	9012	-1.507	14.233	-0.167	-0.6	-8.894	1409.226
49012_9012	49012	9012	1.506	-11.541	-0.279	4.222	8.894	-1409.23
49012_9013	49012	9013	-1.506	16.942	0.279	-4.222	-5.525	1237.146
49013_9013	49013	9013	1.506	-16.942	-0.281	2.19	5.525	-1237.15
49013_9014	49013	9014	-1.506	22.342	0.281	-2.19	-2.125	999.856
49014_9014	49014	9014	1.507	-19.999	2.148	6.722	2.125	-999.859
49014_9015	49014	9015	-1.507	26.948	-2.148	-6.722	-35.519	634.959
49015_9015	49015	9015	1.751	-26.934	2.146	4.162	35.558	-634.099
49015_9016	49015	9016	-1.792	30.62	-2.146	-4.162	-53.261	396.691
49016_9016	49016	9016	2.533	-31.918	1.397	2.887	27.213	248.074
49016_9017	49016	9017	-2.706	37.172	-1.397	-2.887	-43.635	-654.287
49017_9017	49017	9017	3.629	-37.094	1.393	3.41	43.775	654.108
49017_9018	49017	9018	-3.989	43.018	-1.393	-3.41	-62.255	-1185.62
49018_9018	49018	9018	5.109	-42.774	-3.218	1.699	62.312	1185.605
49018_9019	49018	9019	-5.606	48.36	3.218	-1.699	-21.983	-1756.64
49019_9019	49019	9019	6.871	-48.196	-3.221	4.06	22.323	1756.636
49019_9020	49019	9020	-7.525	53.785	3.221	-4.06	18.165	-2397.54
49020_9020	49020	9020	-156.327	28.653	4.445	-0.973	-99.234	932.768
49020_9021	49020	9021	156.327	-24.405	-4.445	0.973	56.99	-680.674
49021_9021	49021	9021	-156.316	24.405	4.805	-0.567	-56.99	642.898
49021_9022	49021	9022	156.316	-20.945	-4.805	0.567	19.801	-467.414
49022_9022	49022	9022	-156.321	20.945	4.651	-1.031	-19.801	467.414
49022_9023	49022	9023	156.321	-17.477	-4.651	1.031	-16.287	-318.335
49023_9023	49023	9023	-156.298	17.201	-0.235	-0.315	16.287	318.337
49023_9024	49023	9024	156.298	-13.625	0.235	0.315	-14.408	-195.039
49024_9024	49024	9024	-156.298	13.625	-0.235	-0.315	14.408	195.039
49024_9025	49024	9025	156.298	-10.049	0.235	0.315	-12.529	-100.347
49025_9025	49025	9025	-156.298	6.409	-0.04	-0.191	12.529	100.346
49025_9026	49025	9026	156.298	-2.834	0.04	0.191	-12.203	-63.382

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49026_9026	49026	9026	-156.297	3.589	-0.562	0.019	12.203	63.382
49026_9027	49026	9027	156.297	-0.908	0.562	-0.019	-8.835	-49.898
49027_9027	49027	9027	-156.298	0.908	-0.274	0.111	8.835	49.898
49027_9028	49027	9028	156.298	1.775	0.274	-0.111	-7.187	-52.502
49028_9028	49028	9028	-156.298	-1.775	-0.302	0.102	7.187	52.502
49028_9029	49028	9029	156.298	4.456	0.302	-0.102	-5.373	-71.183
49029_9029	49029	9029	-156.298	-4.456	-0.274	0.114	5.373	71.183
49029_9030	49029	9030	156.298	7.14	0.274	-0.114	-3.726	-106.001
49030_9030	49030	9030	-156.299	-6.395	-0.111	0.293	3.726	106.001
49030_9031	49030	9031	156.299	9.969	0.111	-0.293	-2.84	-171.42
49031_9031	49031	9031	-156.299	-9.969	-0.111	0.293	2.84	171.42
49031_9032	49031	9032	156.299	13.543	0.111	-0.293	-1.954	-265.415
49032_9032	49032	9032	-156.299	-13.543	0.105	0.658	1.954	265.414
49032_9033	49032	9033	156.299	17.121	-0.105	-0.658	-2.786	-388.135
49033_9033	49033	9033	-156.311	-17.182	-2.854	0.398	2.786	388.136
49033_9034	49033	9034	156.311	20.647	2.854	-0.398	19.338	-534.768
49034_9034	49034	9034	-156.311	-20.647	-2.854	0.398	-19.338	534.768
49034_9035	49034	9035	156.311	24.112	2.854	-0.398	41.461	-708.264
49035_9035	49035	9035	-156.317	-24.112	-2.481	1.472	-41.461	747.086
49035_9036	49035	9036	156.317	28.359	2.481	-1.472	65.027	-996.313
49036_9036	49036	9036	24.121	49.969	2.311	-4.328	-17.718	2598.827
49036_9037	49036	9037	-23.467	-44.383	-2.311	4.328	-11.301	-2006.21
49037_9037	49037	9037	22.293	44.987	2.264	0.313	10.806	2006.217
49037_9038	49037	9038	-21.794	-39.398	-2.264	-0.313	-39.192	-1477.16
49038_9038	49038	9038	20.74	39.619	-1.216	-3.84	39.348	1477.198
49038_9039	49038	9039	-20.379	-33.698	1.216	3.84	-23.228	-990.993
49039_9039	49039	9039	44.928	100.989	0.303	9.959	28.215	10993.46
49039_9040	49039	9040	-44.756	-95.734	-0.303	-9.959	-31.773	-9836.69
49040_9040	49040	9040	43.059	92.44	-1.071	-3.641	32.055	9837.093
49040_9041	49040	9041	-43.016	-88.754	1.071	3.641	-23.222	-9089.83
49041_9041	49041	9041	42.221	89.135	-1.066	-4.644	23.189	9101.638
49041_9042	49041	9042	-42.221	-82.376	1.066	4.644	-7.073	-7805.05
49042_9042	49042	9042	42.22	83.151	-0.558	-5.239	7.073	7805.051
49042_9043	49042	9043	-42.22	-77.839	0.558	5.239	-0.448	-6848.54
49043_9043	49043	9043	42.219	77.839	-0.59	-0.039	0.448	6848.538
49043_9044	49043	9044	-42.219	-72.533	0.59	0.039	6.551	-5955.93
49044_9044	49044	9044	42.218	70.734	-0.039	-2.752	-6.551	5955.923
49044_9045	49044	9045	-42.218	-65.423	0.039	2.752	7.017	-5147.14
49045_9045	49045	9045	42.218	65.423	-0.075	1.563	-7.017	5147.142
49045_9046	49045	9046	-42.218	-60.113	0.075	-1.563	7.903	-4401.5
49046_9046	49046	9046	42.218	62.266	0.042	-0.166	-7.903	4401.502
49046_9047	49046	9047	-42.218	-56.957	-0.042	0.166	7.407	-3693.47
49047_9047	49047	9047	42.218	56.957	0.007	2.932	-7.407	3693.47
49047_9048	49047	9048	-42.218	-51.648	-0.007	-2.932	7.331	-3048.55
49048_9048	49048	9048	42.218	53.776	-0.063	2.039	-7.331	3048.541
49048_9049	49048	9049	-42.218	-48.469	0.063	-2.039	8.08	-2441.48
49049_9049	49049	9049	42.218	48.469	-0.098	4.087	-8.08	2441.473
49049_9050	49049	9050	-42.218	-43.161	0.098	-4.087	9.248	-1897.48
49050_9050	49050	9050	42.219	45.059	1.942	3.94	-9.248	1897.47
49050_9051	49050	9051	-42.219	-38.293	-1.942	-3.94	-20.147	-1266.74
49051_9051	49051	9051	41.891	38.653	1.903	5.117	20.192	1262.998
49051_9052	49051	9052	-41.933	-34.966	-1.903	-5.117	-35.889	-959.349
49052_9052	49052	9052	41.398	35.022	-0.261	6.486	36.016	959.338

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49052_9053	49052	9053	-41.571	-29.77	0.261	-6.486	-32.954	-578.591
49053_9053	49053	9053	43.346	32.91	1.304	2.795	22.163	223.126
49053_9054	49053	9054	-43.707	-26.985	-1.304	-2.795	-39.472	174.305
49054_9054	49054	9054	43.012	28.522	-2.456	3.621	39.668	-174.299
49054_9055	49054	9055	-43.511	-22.935	2.456	-3.621	-8.889	496.802
49055_9055	49055	9055	42.895	24.064	-2.491	2.993	8.94	-496.806
49055_9056	49055	9056	-43.551	-18.477	2.491	-2.993	22.362	764.032
49056_9056	49056	9056	91.852	46.028	5.315	-0.68	-136.416	932.16
49056_9057	49056	9057	-91.852	-41.783	-5.315	0.68	85.925	-515.106
49057_9057	49057	9057	91.862	41.783	5.15	-0.043	-85.925	520.346
49057_9058	49057	9058	-91.862	-38.318	-5.15	0.043	46.003	-209.858
49058_9058	49058	9058	91.868	38.318	5.032	0.226	-46.003	209.859
49058_9059	49058	9059	-91.868	-34.852	-5.032	-0.226	7	73.738
49059_9059	49059	9059	91.882	34.881	1.055	0.728	-7	-73.736
49059_9060	49059	9060	-91.882	-31.309	-1.055	-0.728	-1.434	338.252
49060_9060	49060	9060	91.883	27.669	0.932	0.275	1.434	-338.252
49060_9061	49060	9061	-91.883	-24.092	-0.932	-0.275	-8.893	545.343
49061_9061	49061	9061	91.883	24.092	0.932	0.275	8.893	-545.343
49061_9062	49061	9062	-91.883	-20.515	-0.932	-0.275	-16.351	723.813
49062_9062	49062	9062	91.884	21.301	0.654	0.823	16.351	-723.81
49062_9063	49062	9063	-91.884	-18.617	-0.654	-0.823	-20.276	843.671
49063_9063	49063	9063	91.884	18.617	0.817	2.327	20.276	-843.668
49063_9064	49063	9064	-91.884	-15.936	-0.817	-2.327	-25.176	947.26
49064_9064	49064	9064	91.886	15.936	0.511	-0.825	25.176	-947.262
49064_9065	49064	9065	-91.886	-13.256	-0.511	0.825	-28.242	1034.764
49065_9065	49065	9065	91.884	13.256	0.654	0.774	28.242	-1034.76
49065_9066	49065	9066	-91.884	-10.572	-0.654	-0.774	-32.167	1106.315
49066_9066	49066	9066	91.886	11.445	0.557	2.024	32.167	-1106.32
49066_9067	49066	9067	-91.886	-7.87	-0.557	-2.024	-36.623	1183.577
49067_9067	49067	9067	91.886	7.87	0.442	0.548	36.623	-1183.58
49067_9068	49067	9068	-91.886	-4.294	-0.442	-0.548	-40.16	1232.226
49068_9068	49068	9068	91.886	4.294	0.442	0.548	40.16	-1232.23
49068_9069	49068	9069	-91.886	-0.718	-0.442	-0.548	-43.698	1252.275
49069_9069	49069	9069	91.872	0.974	-3.033	2.375	43.698	-1252.29
49069_9070	49069	9070	-91.872	2.49	3.033	-2.375	-20.197	1246.415
49070_9070	49070	9070	91.873	-2.49	-3.041	2.267	20.197	-1246.42
49070_9071	49070	9071	-91.873	5.957	3.041	-2.267	3.397	1213.65
49071_9071	49071	9071	91.867	-5.957	-3.205	-0.105	-3.397	-1219.92
49071_9072	49071	9072	-91.867	10.204	3.205	0.105	33.841	1143.153
49072_9072	49072	9072	33.208	18.235	2.661	1.475	-1.994	-3267.03
49072_9073	49072	9073	-32.551	-12.649	-2.661	-1.475	-31.435	3461.002
49073_9073	49073	9073	32.214	13.497	2.61	-5.036	31.894	-3461
49073_9074	49073	9074	-31.714	-7.908	-2.61	5.036	-64.624	3595.213
49074_9074	49074	9074	31.493	9.241	-1.864	0.175	64.132	-3595.29
49074_9075	49074	9075	-31.131	-3.32	1.864	-0.175	-39.41	3678.586
49075_9075	49075	9075	31.152	77.535	-0.276	8.178	53.727	7777.822
49075_9076	49075	9076	-30.98	-72.283	0.276	-8.178	-50.483	-6897.26
49076_9076	49076	9076	29.76	69.532	-1.052	-4.987	50.716	6897.491
49076_9077	49076	9077	-29.718	-65.847	1.052	4.987	-42.038	-6339.4
49077_9077	49077	9077	29.152	62.459	-1.063	-3.378	41.993	6329.131
49077_9078	49077	9078	-29.152	-56.329	1.063	3.378	-27.412	-5514.6
49078_9078	49078	9078	29.15	57.936	-0.6	-5.062	27.412	5514.612
49078_9079	49078	9079	-29.15	-52.948	0.6	5.062	-20.716	-4895.97

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49079_9079	49079	9079	29.149	52.948	-0.628	-0.434	20.716	4895.972
49079_9080	49079	9080	-29.149	-47.956	0.628	0.434	-13.708	-4332.53
49080_9080	49080	9080	29.149	50.106	-0.011	-1.521	13.708	4332.533
49080_9081	49080	9081	-29.149	-45.115	0.011	1.521	-13.585	-3800.89
49081_9081	49081	9081	29.149	45.115	-0.011	-1.521	13.585	3800.886
49081_9082	49081	9082	-29.149	-40.123	0.011	1.521	-13.463	-3324.98
49082_9082	49082	9082	29.149	42.818	-0.22	-1.069	13.463	3324.976
49082_9083	49082	9083	-29.149	-37.45	0.22	1.069	-10.82	-2843.11
49083_9083	49083	9083	29.149	37.45	-0.243	1.173	10.82	2843.106
49083_9084	49083	9084	-29.149	-32.088	0.243	-1.173	-7.904	-2426.01
49084_9084	49084	9084	29.149	34.844	-0.024	0.677	7.904	2426.01
49084_9085	49084	9085	-29.149	-29.854	0.024	-0.677	-7.643	-2064.86
49085_9085	49085	9085	29.148	29.854	-0.05	2.524	7.643	2064.862
49085_9086	49085	9086	-29.148	-24.864	0.05	-2.524	-7.093	-1759.44
49086_9086	49086	9086	29.148	27.479	-0.38	2.164	7.093	1759.437
49086_9087	49086	9087	-29.148	-22.484	0.38	-2.164	-2.842	-1480.32
49087_9087	49087	9087	29.148	22.484	-0.406	3.425	2.842	1480.315
49087_9088	49087	9088	-29.148	-17.494	0.406	-3.425	1.683	-1257.18
49088_9088	49088	9088	29.149	19.595	1.491	3.759	-1.683	1257.173
49088_9089	49088	9089	-29.149	-13.702	-1.491	-3.759	-17.971	-1037.68
49089_9089	49089	9089	29.029	13.955	1.47	4.044	18.007	1043.501
49089_9090	49089	9090	-29.072	-10.265	-1.47	-4.044	-30.149	-943.488
49090_9090	49090	9090	29.012	6.879	-0.088	5.104	30.252	943.484
49090_9091	49090	9091	-29.184	-1.63	0.088	-5.104	-29.224	-893.521
49091_9091	49091	9091	31.879	3.961	1.357	2.751	21.703	636.633
49091_9092	49091	9092	-32.24	1.962	-1.357	-2.751	-39.707	-623.373
49092_9092	49092	9092	32.292	-0.789	-2.93	1.949	39.778	623.367
49092_9093	49092	9093	-32.79	6.377	2.93	-1.949	-3.046	-668.287
49093_9093	49093	9093	32.939	-5.517	-3.007	3.462	3.259	668.281
49093_9094	49093	9094	-33.593	11.105	3.007	-3.462	34.527	-772.712
49094_9094	49094	9094	-8.135	37.2	3.994	-1.186	-99.08	1111.641
49094_9095	49094	9095	8.135	-32.955	-3.994	1.186	61.152	-778.498
49095_9095	49095	9095	-8.129	32.955	4.006	-0.166	-61.152	778.093
49095_9096	49095	9096	8.129	-29.489	-4.006	0.166	30.082	-535.953
49096_9096	49096	9096	-8.129	29.489	4.005	-0.192	-30.082	535.954
49096_9097	49096	9097	8.129	-26.027	-4.005	0.192	-0.946	-320.96
49097_9097	49097	9097	-8.11	25.867	0.16	-0.237	0.946	320.958
49097_9098	49097	9098	8.11	-22.288	-0.16	0.237	-2.227	-128.214
49098_9098	49098	9098	-8.11	22.288	0.17	-0.083	2.227	128.214
49098_9099	49098	9099	8.11	-18.714	-0.17	0.083	-3.587	35.691
49099_9099	49099	9099	-8.11	18.714	0.17	-0.085	3.587	-35.691
49099_9100	49099	9100	8.11	-15.136	-0.17	0.085	-4.95	171.175
49100_9100	49100	9100	-8.11	15.864	0.213	0.286	4.95	-171.174
49100_9101	49100	9101	8.11	-13.18	-0.213	-0.286	-6.229	258.358
49101_9101	49101	9101	-8.11	13.18	0.212	0.301	6.229	-258.358
49101_9102	49101	9102	8.11	-10.502	-0.212	-0.301	-7.502	329.325
49102_9102	49102	9102	-8.11	10.502	0.213	0.282	7.502	-329.325
49102_9103	49102	9103	8.11	-7.818	-0.213	-0.282	-8.78	384.315
49103_9103	49103	9103	-8.11	7.818	0.227	-0.357	8.78	-384.315
49103_9104	49103	9104	8.11	-5.135	-0.227	0.357	-10.14	423.193
49104_9104	49104	9104	-8.109	5.907	0.37	0.764	10.14	-423.195
49104_9105	49104	9105	8.109	-2.334	-0.37	-0.764	-13.095	456.134
49105_9105	49105	9105	-8.109	2.334	0.38	0.177	13.095	-456.135

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49105_9106	49105	9106	8.109	1.243	-0.38	-0.177	-16.136	460.497
49106_9106	49106	9106	-8.108	-1.243	0.38	0.194	16.136	-460.497
49106_9107	49106	9107	8.108	4.817	-0.38	-0.194	-19.171	436.274
49107_9107	49107	9107	-8.126	-4.686	-3.321	0.95	19.171	-436.281
49107_9108	49107	9108	8.126	8.152	3.321	-0.95	6.577	386.515
49108_9108	49108	9108	-8.126	-8.152	-3.321	0.95	-6.577	-386.515
49108_9109	49108	9109	8.126	11.617	3.321	-0.95	32.325	309.879
49109_9109	49109	9109	-8.129	-11.617	-3.313	0.446	-32.325	-309.417
49109_9110	49109	9110	8.129	15.865	3.313	-0.446	63.807	178.825
49110_9110	49110	9110	32.564	33.759	2.704	-1.133	-17.798	-751.217
49110_9111	49110	9111	-31.909	-28.174	-2.704	1.133	-16.16	1140.143
49111_9111	49111	9111	30.888	25.372	2.657	-3.398	16.264	-1140.14
49111_9112	49111	9112	-30.39	-19.782	-2.657	3.398	-49.582	1423.246
49112_9112	49112	9112	29.861	20.762	-1.395	-2.474	49.371	-1423.27
49112_9113	49112	9113	-29.5	-14.842	1.395	2.474	-30.872	1659.329
49113_9113	49113	9113	27.969	90.102	-0.339	4.807	26.14	9880.848
49113_9114	49113	9114	-27.796	-84.848	0.339	-4.807	-22.15	-8852.44
49114_9114	49114	9114	26.354	82.354	-0.616	-4.817	22.308	8852.699
49114_9115	49114	9115	-26.312	-78.666	0.616	4.817	-17.221	-8188.33
49115_9115	49115	9115	25.623	78.892	-0.622	-3.499	17.179	8187.117
49115_9116	49115	9116	-25.623	-72.763	0.622	3.499	-8.66	-7147.3
49116_9116	49116	9116	25.623	73.659	-0.355	-8.582	8.66	7147.312
49116_9117	49116	9117	-25.623	-68.669	0.355	8.582	-4.695	-6352.98
49117_9117	49117	9117	25.623	68.669	-0.402	2.897	4.695	6352.983
49117_9118	49117	9118	-25.623	-63.676	0.402	-2.897	-0.209	-5613.73
49118_9118	49118	9118	25.623	66.151	-0.001	-6.028	0.209	5613.732
49118_9119	49118	9119	-25.623	-61.162	0.001	6.028	-0.197	-4903.23
49119_9119	49119	9119	25.623	61.162	-0.047	2.823	0.197	4903.234
49119_9120	49119	9120	-25.623	-56.167	0.047	-2.823	0.332	-4247.88
49120_9120	49120	9120	25.623	58.914	0.111	-2.922	-0.332	4247.886
49120_9121	49120	9121	-25.623	-53.555	-0.111	2.922	-1.007	-3573.57
49121_9121	49121	9121	25.623	53.555	0.068	3.075	1.007	3573.564
49121_9122	49121	9122	-25.623	-48.19	-0.068	-3.075	-1.832	-2963.05
49122_9122	49122	9122	25.623	51.433	-0.01	-1.511	1.832	2963.046
49122_9123	49122	9123	-25.623	-46.439	0.01	1.511	-1.719	-2416.39
49123_9123	49123	9123	25.623	46.439	-0.079	4.978	1.719	2416.382
49123_9124	49123	9124	-25.623	-41.446	0.079	-4.978	-0.837	-1925.52
49124_9124	49124	9124	25.623	40.874	-0.129	1.763	0.837	1925.519
49124_9125	49124	9125	-25.623	-35.885	0.129	-1.763	0.605	-1497.19
49125_9125	49125	9125	25.622	35.885	-0.175	4.456	-0.605	1497.185
49125_9126	49125	9126	-25.622	-30.891	0.175	-4.456	2.563	-1124.23
49126_9126	49126	9126	25.624	33.839	2.06	4.04	-2.563	1124.229
49126_9127	49126	9127	-25.624	-27.854	-2.06	-4.04	-25.022	-711.187
49127_9127	49127	9127	25.388	28.072	2.024	4.29	25.06	717.913
49127_9128	49127	9128	-25.429	-24.389	-2.024	-4.29	-41.741	-501.763
49128_9128	49128	9128	25.033	25.135	-0.036	6.969	41.889	501.774
49128_9129	49128	9129	-25.205	-19.883	0.036	-6.969	-41.46	-237.211
49129_9129	49129	9129	31.82	22.929	2.444	2.2	48.398	-122.397
49129_9130	49129	9130	-32.181	-17.006	-2.444	-2.2	-80.826	387.304
49130_9130	49130	9130	32.978	1.796	-5.757	3.612	81.118	-387.3
49130_9131	49130	9131	-33.476	3.791	5.757	-3.612	-8.949	374.798
49131_9131	49131	9131	33.559	-2.914	-5.783	3.077	9.01	-374.801
49131_9132	49131	9132	-34.213	8.506	5.783	-3.077	63.719	302.993

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49132_9132	49132	9132	44.019	39.235	6.959	0.818	-148.797	988.708
49132_9133	49132	9133	-44.019	-34.989	-6.959	-0.818	82.692	-636.141
49133_9133	49133	9133	44.01	34.989	7.015	-1.497	-82.692	645.513
49133_9134	49133	9134	-44.01	-31.525	-7.015	1.497	28.323	-387.771
49134_9134	49134	9134	44.019	31.525	6.959	-0.997	-28.323	387.773
49134_9135	49134	9135	-44.019	-28.06	-6.959	0.997	-25.604	-156.88
49135_9135	49135	9135	44.012	27.373	-0.353	-0.161	25.604	156.878
49135_9136	49135	9136	-44.012	-23.797	0.353	0.161	-22.78	47.804
49136_9136	49136	9136	44.011	23.797	-0.408	-0.222	22.78	-47.804
49136_9137	49136	9137	-44.011	-20.222	0.408	0.222	-19.514	223.878
49137_9137	49137	9137	44.011	20.222	-0.408	-0.222	19.514	-223.878
49137_9138	49137	9138	-44.011	-16.646	0.408	0.222	-16.25	371.345
49138_9138	49138	9138	44.012	17.512	-0.16	0.604	16.25	-371.344
49138_9139	49138	9139	-44.012	-14.831	0.16	-0.604	-15.285	468.372
49139_9139	49139	9139	44.011	14.831	-0.234	-0.177	15.285	-468.373
49139_9140	49139	9140	-44.011	-12.149	0.234	0.177	-13.882	549.307
49140_9140	49140	9140	44.011	12.149	-0.234	-0.177	13.882	-549.307
49140_9141	49140	9141	-44.011	-9.466	0.234	0.177	-12.477	614.152
49141_9141	49141	9141	44.012	9.466	-0.16	0.846	12.477	-614.151
49141_9142	49141	9142	-44.012	-6.784	0.16	-0.846	-11.514	662.902
49142_9142	49142	9142	44.011	4.149	0.215	0.488	11.514	-662.903
49142_9143	49142	9143	-44.011	-0.573	-0.215	-0.488	-13.238	681.796
49143_9143	49143	9143	44.012	0.573	0.27	1.341	13.238	-681.795
49143_9144	49143	9144	-44.012	3.003	-0.27	-1.341	-15.403	672.079
49144_9144	49144	9144	44.011	-3.003	0.215	0.501	15.403	-672.08
49144_9145	49144	9145	-44.011	6.578	-0.215	-0.501	-17.127	633.756
49145_9145	49145	9145	44.008	-6.511	-3.182	1.216	17.127	-633.757
49145_9146	49145	9146	-44.008	9.975	3.182	-1.216	7.534	569.873
49146_9146	49146	9146	44.013	-9.975	-3.126	1.95	-7.534	-569.872
49146_9147	49146	9147	-44.013	13.44	3.126	-1.95	31.756	479.139
49147_9147	49147	9147	44.008	-13.44	-3.182	0.699	-31.756	-487.9
49147_9148	49147	9148	-44.008	17.686	3.182	-0.699	61.987	340.053
49148_9148	49148	9148	14.446	21.077	2.331	-1.606	-18.793	-2008.13
49148_9149	49148	9149	-13.793	-15.489	-2.331	1.606	-10.506	2237.86
49149_9149	49149	9149	13.381	15.846	2.331	-1.881	10.461	-2237.86
49149_9150	49149	9150	-12.883	-10.259	-2.331	1.881	-39.692	2401.476
49150_9150	49150	9150	12.607	10.31	-0.724	-1.875	39.581	-2401.47
49150_9151	49150	9151	-12.246	-4.388	0.724	1.875	-29.969	2498.977
49151_9151	49151	9151	18.732	84.396	-1.845	-6.649	16.255	8796.437
49151_9152	49151	9152	-18.559	-79.144	1.845	6.649	5.424	-7835.34
49152_9152	49152	9152	17.263	78.153	0.454	0.41	-5.591	7835.347
49152_9153	49152	9153	-17.221	-74.465	-0.454	-0.41	1.849	-7205.78
49153_9153	49153	9153	16.585	74.609	0.466	-4.862	-1.846	7207.445
49153_9154	49153	9154	-16.585	-68.463	-0.466	4.862	-4.555	-6223.82
49154_9154	49154	9154	16.585	70.061	-0.351	-4.516	4.555	6223.823
49154_9155	49154	9155	-16.585	-65.144	0.351	4.516	-0.694	-5480.19
49155_9155	49155	9155	16.585	65.144	-0.366	0.466	0.694	5480.191
49155_9156	49155	9156	-16.585	-60.228	0.366	-0.466	3.334	-4790.65
49156_9156	49156	9156	16.585	62.94	-0.1	-2.875	-3.334	4790.643
49156_9157	49156	9157	-16.585	-58.47	0.1	2.875	4.332	-4183.59
49157_9157	49157	9157	16.585	58.47	-0.117	1.308	-4.332	4183.592
49157_9158	49157	9158	-16.585	-54	0.117	-1.308	5.497	-3621.24
49158_9158	49158	9158	16.585	56.746	0.129	-1.031	-5.497	3621.241

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49158_9159	49158	9159	-16.585	-52.275	-0.129	1.031	4.215	-3076.14
49159_9159	49159	9159	16.585	52.275	0.112	2.045	-4.215	3076.137
49159_9160	49159	9160	-16.585	-47.805	-0.112	-2.045	3.098	-2575.73
49160_9160	49160	9160	16.585	50.538	0.024	1.74	-3.098	2575.734
49160_9161	49160	9161	-16.585	-45.626	-0.024	-1.74	2.832	-2047.32
49161_9161	49161	9161	16.585	41.986	0.025	1.742	-2.832	2047.315
49161_9162	49161	9162	-16.585	-37.069	-0.025	-1.742	2.564	-1612.52
49162_9162	49162	9162	16.585	39.838	1.408	3.419	-2.564	1612.515
49162_9163	49162	9163	-16.585	-33.692	-1.408	-3.419	-16.796	-1106.99
49163_9163	49163	9163	16.297	33.832	1.428	2.036	16.814	1105.819
49163_9164	49163	9164	-16.339	-30.144	-1.428	-2.036	-28.595	-841.912
49164_9164	49164	9164	15.849	30.596	0.468	5.322	28.716	841.909
49164_9165	49164	9165	-16.021	-25.344	-0.468	-5.322	-34.218	-513.162
49165_9165	49165	9165	20.746	27.755	1.883	1.406	25.717	134.105
49165_9166	49165	9166	-21.106	-21.832	-1.883	-1.406	-50.704	194.821
49166_9166	49166	9166	20.509	22.987	-2.943	3.006	50.94	-194.819
49166_9167	49166	9167	-21.007	-17.4	2.943	-3.006	-14.051	447.952
49167_9167	49167	9167	20.54	17.945	-2.96	2.28	14.088	-447.955
49167_9168	49167	9168	-21.194	-12.357	2.96	-2.28	23.11	638.322
49168_9168	49168	9168	89.158	39.239	5.027	-0.795	-109.373	1107.912
49168_9169	49168	9169	-89.158	-34.993	-5.027	0.795	61.612	-755.308
49169_9169	49169	9169	89.163	34.993	4.933	-1.028	-61.612	773.876
49169_9170	49169	9170	-89.163	-31.529	-4.933	1.028	23.376	-516.104
49170_9170	49170	9170	89.157	31.529	5.049	-1.694	-23.376	516.103
49170_9171	49170	9171	-89.157	-28.064	-5.049	1.694	-15.752	-285.179
49171_9171	49171	9171	89.163	27.683	-0.047	-0.384	15.752	285.181
49171_9172	49171	9172	-89.163	-24.107	0.047	0.384	-15.377	-78.021
49172_9172	49172	9172	89.163	24.107	0.065	-0.481	15.377	78.02
49172_9173	49172	9173	-89.163	-20.531	-0.065	0.481	-15.893	100.532
49173_9173	49173	9173	89.163	20.531	-0.047	-0.607	15.893	-100.533
49173_9174	49173	9174	-89.163	-16.955	0.047	0.607	-15.519	250.476
49174_9174	49174	9174	89.163	17.858	0.084	-0.106	15.519	-250.476
49174_9175	49174	9175	-89.163	-15.176	-0.084	0.106	-16.023	349.579
49175_9175	49175	9175	89.163	15.176	0.233	0.477	16.023	-349.578
49175_9176	49175	9176	-89.163	-12.494	-0.233	-0.477	-17.418	432.589
49176_9176	49176	9176	89.163	12.494	0.084	-0.244	17.418	-432.589
49176_9177	49176	9177	-89.163	-9.812	-0.084	0.244	-17.922	499.507
49177_9177	49177	9177	89.163	9.812	0.084	-0.244	17.922	-499.507
49177_9178	49177	9178	-89.163	-7.13	-0.084	0.244	-18.426	550.333
49178_9178	49178	9178	89.163	7.993	0.275	0.712	18.426	-550.333
49178_9179	49178	9179	-89.163	-4.417	-0.275	-0.712	-20.625	599.976
49179_9179	49179	9179	89.163	4.417	0.163	-0.038	20.625	-599.977
49179_9180	49179	9180	-89.163	-0.842	-0.163	0.038	-21.933	621.013
49180_9180	49180	9180	89.163	0.842	0.275	0.738	21.933	-621.012
49180_9181	49180	9181	-89.163	2.735	-0.275	-0.738	-24.131	613.44
49181_9181	49181	9181	89.163	-2.858	-4.844	1.507	24.131	-613.44
49181_9182	49181	9182	-89.163	6.321	4.844	-1.507	13.414	577.873
49182_9182	49182	9182	89.163	-9.961	-4.844	1.507	-13.414	-577.873
49182_9183	49182	9183	-89.163	13.426	4.844	-1.507	50.959	487.248
49183_9183	49183	9183	89.168	-13.426	-4.751	1.14	-50.959	-503.762
49183_9184	49183	9184	-89.168	17.672	4.751	-1.14	96.09	356.047
49184_9184	49184	9184	28.959	14.638	2.789	-1.024	-14.176	-2366.29
49184_9185	49184	9185	-28.305	-9.051	-2.789	1.024	-20.87	2515.098

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49185_9185	49185	9185	28.06	9.788	2.767	-3.577	20.986	-2515.09
49185_9186	49185	9186	-27.561	-4.201	-2.767	3.577	-55.679	2602.773
49186_9186	49186	9186	27.435	4.59	-1.84	-1.27	55.387	-2602.78
49186_9187	49186	9187	-27.074	1.332	1.84	1.27	-30.968	2624.392
49187_9187	49187	9187	16.608	86.207	-0.546	-5.407	36.589	8851.093
49187_9188	49187	9188	-16.436	-80.955	0.546	5.407	-30.171	-7868.73
49188_9188	49188	9188	15.119	79.226	-1.599	-0.778	30.037	7868.728
49188_9189	49188	9189	-15.077	-75.538	1.599	0.778	-16.84	-7230.31
49189_9189	49189	9189	14.442	75.662	-1.589	-5.915	16.834	7232.689
49189_9190	49189	9190	-14.442	-69.516	1.589	5.915	5.016	-6234.59
49190_9190	49190	9190	14.441	71.462	-0.135	-0.009	-5.016	6234.59
49190_9191	49190	9191	-14.441	-66.545	0.135	0.009	6.501	-5475.55
49191_9191	49191	9191	14.441	66.545	-0.122	-4.987	-6.501	5475.549
49191_9192	49191	9192	-14.441	-61.628	0.122	4.987	7.842	-4770.6
49192_9192	49192	9192	14.441	64.049	-0.2	-3.002	-7.842	4770.598
49192_9193	49192	9193	-14.441	-59.601	0.2	3.002	9.837	-4155.44
49193_9193	49193	9193	14.441	59.601	-0.215	1.175	-9.837	4155.438
49193_9194	49193	9194	-14.441	-55.154	0.215	-1.175	11.977	-3584.53
49194_9194	49194	9194	14.441	57.532	-0.283	-0.639	-11.977	3584.537
49194_9195	49194	9195	-14.441	-53.085	0.283	0.639	14.8	-3034.22
49195_9195	49195	9195	14.441	53.085	-0.298	2.41	-14.8	3034.214
49195_9196	49195	9196	-14.441	-48.642	0.298	-2.41	17.764	-2528.63
49196_9196	49196	9196	14.438	50.755	0.153	1.615	-17.764	2528.647
49196_9197	49196	9197	-14.438	-45.838	-0.153	-1.615	16.078	-1997.39
49197_9197	49197	9197	14.438	45.838	0.14	3.431	-16.078	1997.385
49197_9198	49197	9198	-14.438	-40.921	-0.14	-3.431	14.537	-1520.21
49198_9198	49198	9198	14.424	39.469	1.944	3.824	-14.537	1520.226
49198_9199	49198	9199	-14.424	-33.319	-1.944	-3.824	-12.215	-1019.45
49199_9199	49199	9199	14.145	33.439	1.933	4.923	12.256	1016.009
49199_9200	49199	9200	-14.188	-29.751	-1.933	-4.923	-28.211	-755.346
49200_9200	49200	9200	13.747	29.221	-1.076	7.901	28.369	755.375
49200_9201	49200	9201	-13.923	-23.969	1.076	-7.901	-15.721	-442.799
49201_9201	49201	9201	18.965	27.835	1.614	1.973	4.159	-96.808
49201_9202	49201	9202	-19.331	-21.913	-1.614	-1.973	-25.574	426.791
49202_9202	49202	9202	18.788	22.638	-2.528	3.387	25.766	-426.78
49202_9203	49202	9203	-19.292	-17.05	2.528	-3.387	5.911	675.513
49203_9203	49203	9203	18.848	17.542	-2.511	4.076	-5.768	-675.511
49203_9204	49203	9204	-19.508	-11.955	2.511	-4.076	37.312	860.801
49204_9204	49204	9204	87.22	38.877	4.913	-0.762	-140.656	1124.11
49204_9205	49204	9205	-87.22	-34.631	-4.913	0.762	93.979	-774.95
49205_9205	49205	9205	87.225	34.631	4.822	-1.252	-93.979	798.566
49205_9206	49205	9206	-87.225	-31.166	-4.822	1.252	56.611	-543.605
49206_9206	49206	9206	87.225	31.166	4.822	-1.252	-56.611	543.605
49206_9207	49206	9207	-87.225	-27.702	-4.822	1.252	19.244	-315.491
49207_9207	49207	9207	87.244	27.519	1.117	-0.102	-19.244	315.499
49207_9208	49207	9208	-87.244	-23.942	-1.117	0.102	10.308	-109.657
49208_9208	49208	9208	87.245	23.942	1.008	0.035	-10.308	109.657
49208_9209	49208	9209	-87.245	-20.366	-1.008	-0.035	2.243	67.577
49209_9209	49209	9209	87.247	20.366	0.899	-0.049	-2.243	-67.577
49209_9210	49209	9210	-87.247	-16.79	-0.899	0.049	-4.949	216.203
49210_9210	49210	9210	87.248	17.492	0.987	1.637	4.949	-216.198
49210_9211	49210	9211	-87.248	-14.81	-0.987	-1.637	-10.872	313.108
49211_9211	49211	9211	87.249	14.81	0.842	1.115	10.872	-313.11

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49211_9212	49211	9212	-87.249	-12.129	-0.842	-1.115	-15.924	393.928
49212_9212	49212	9212	87.25	12.129	0.697	0.459	15.924	-393.93
49212_9213	49212	9213	-87.25	-9.446	-0.697	-0.459	-20.104	458.656
49213_9213	49213	9213	87.252	9.446	0.551	-0.305	20.104	-458.656
49213_9214	49213	9214	-87.252	-6.765	-0.551	0.305	-23.41	507.289
49214_9214	49214	9214	87.251	7.517	0.072	2.853	23.41	-507.308
49214_9215	49214	9215	-87.251	-3.946	-0.072	-2.853	-23.989	553.106
49215_9215	49215	9215	87.25	3.946	-0.145	1.478	23.989	-553.111
49215_9216	49215	9216	-87.25	-0.369	0.145	-1.478	-22.833	570.373
49216_9216	49216	9216	87.249	0.369	-0.363	0.052	22.833	-570.375
49216_9217	49216	9217	-87.249	3.207	0.363	-0.052	-19.931	559.023
49217_9217	49217	9217	87.233	-3.044	-2.013	4.365	19.931	-559.081
49217_9218	49217	9218	-87.233	6.509	2.013	-4.365	-4.332	522.06
49218_9218	49218	9218	87.225	-6.509	-2.35	2.345	4.332	-522.073
49218_9219	49218	9219	-87.225	9.973	2.35	-2.345	13.886	458.192
49219_9219	49219	9219	87.224	-13.613	-2.386	1.583	-13.886	-479.268
49219_9220	49219	9220	-87.224	17.861	2.386	-1.583	36.554	329.731
49220_9220	49220	9220	19.38	8.903	2.189	3.276	-13.977	-2627.19
49220_9221	49220	9221	-18.719	-3.318	-2.189	-3.276	-13.513	2703.912
49221_9221	49221	9221	18.635	3.8	2.131	-5.642	14.227	-2703.91
49221_9222	49221	9222	-18.131	1.79	-2.131	5.642	-40.951	2716.509
49222_9222	49222	9222	18.091	-1.349	-1.144	-1.785	40.56	-2716.81
49222_9223	49222	9223	-17.725	7.271	1.144	1.785	-25.391	2659.637
49223_9223	49223	9223	23.19	85.784	2.153	24.841	65.327	8957.222
49223_9224	49223	9224	-23.014	-80.533	-2.153	-24.841	-90.631	-7980
49224_9224	49224	9224	21.526	74.831	-2.981	-16.966	91.348	7981.795
49224_9225	49224	9225	-21.484	-71.141	2.981	16.966	-66.738	-7379.19
49225_9225	49225	9225	20.882	71.317	-3.051	7.289	66.595	7379.16
49225_9226	49225	9226	-20.882	-64.843	3.051	-7.289	-22.409	-6393.17
49226_9226	49226	9226	20.933	63.551	-0.001	-8.283	22.409	6393.876
49226_9227	49226	9227	-20.933	-58.467	0.001	8.283	-22.39	-5700.09
49227_9227	49227	9227	20.933	58.467	-0.056	6.738	22.39	5700.093
49227_9228	49227	9228	-20.933	-53.383	0.056	-6.738	-21.744	-5064.04
49228_9228	49228	9228	20.927	53.476	-0.937	-4.962	21.744	5064.243
49228_9229	49228	9229	-20.927	-48.396	0.937	4.962	-11.091	-4485.32
49229_9229	49229	9229	20.924	48.396	-0.993	6.859	11.091	4485.312
49229_9230	49229	9230	-20.924	-43.314	0.993	-6.859	0.191	-3964.06
49230_9230	49230	9230	20.882	43.564	6.542	-3.565	-0.191	3963.887
49230_9231	49230	9231	-20.882	-38.181	-6.542	3.565	-78.578	-3471.74
49231_9231	49231	9231	20.897	38.181	6.494	4.445	78.578	3471.743
49231_9232	49231	9232	-20.897	-34.169	-6.494	-4.445	-136.869	-3147.01
49232_9232	49232	9232	20.786	34.252	6.416	15.838	136.933	3146.499
49232_9233	49232	9233	-20.793	-32.876	-6.416	-15.838	-156.669	-3043.24
49233_9233	49233	9233	20.587	30.401	-12.4	-3.92	156.566	3043.156
49233_9234	49233	9234	-20.67	-26.141	12.4	3.92	-38.384	-2773.7
49234_9234	49234	9234	20.279	26.419	-12.455	2.868	38.529	2773.702
49234_9235	49234	9235	-20.404	-23.117	12.455	-2.868	53.51	-2590.68
49235_9235	49235	9235	20.019	23.417	-12.518	6.4	-53.345	2582.228
49235_9236	49235	9236	-20.167	-20.634	12.518	-6.4	131.346	-2444.98
49236_9236	49236	9236	19.589	19.571	18.515	1.922	-131.606	2444.897
49236_9237	49236	9237	-19.901	-15.17	-18.515	-1.922	-50.969	-2273.61
49237_9237	49237	9237	12.827	32.053	19.048	5.848	-52.135	-387.964
49237_9238	49237	9238	-13.211	-27.879	-19.048	-5.848	-126.214	668.537

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49238_9238	49238	9238	13.482	29.798	-11.629	7.783	126.7	-668.402
49238_9239	49238	9239	-13.931	-25.804	11.629	-7.783	-22.315	917.954
49239_9239	49239	9239	13.568	25.981	-11.663	5.634	22.216	-917.972
49239_9240	49239	9240	-13.788	-24.233	11.663	-5.634	23.673	1016.767
49240_9240	49240	9240	86.501	32.145	-8.191	-13.785	-79.203	992.848
49240_9241	49240	9241	-86.501	-29.316	8.191	13.785	131.067	-798.281
49241_9241	49241	9241	85.867	34.976	5.154	-1.146	-131.067	798.876
49241_9242	49241	9242	-85.867	-33.563	-5.154	1.146	114.776	-690.561
49242_9242	49242	9242	85.877	33.563	4.989	-0.084	-114.776	695.23
49242_9243	49242	9243	-85.877	-28.041	-4.989	0.084	53.145	-314.707
49243_9243	49243	9243	85.889	28.041	4.761	0.749	-53.145	314.707
49243_9244	49243	9244	-85.889	-24.025	-4.761	-0.749	10.369	-80.829
49244_9244	49244	9244	86	27.745	2.029	0.753	-10.369	80.817
49244_9245	49244	9245	-86	-23.073	-2.029	-0.753	-10.835	184.771
49245_9245	49245	9245	86.005	23.073	1.789	0.239	10.835	-184.772
49245_9246	49245	9246	-86.005	-18.974	-1.789	-0.239	-27.246	377.55
49246_9246	49246	9246	86.04	19.295	0.678	1.161	27.246	-377.479
49246_9247	49246	9247	-86.04	-14.579	-0.678	-1.161	-34.403	556.143
49247_9247	49247	9247	86.041	14.579	0.391	-0.693	34.403	-556.143
49247_9248	49247	9248	-86.041	-10.519	-0.391	0.693	-37.959	670.15
49248_9248	49248	9248	86.043	11.273	0.168	1.749	37.959	-670.043
49248_9249	49248	9249	-86.043	-7.032	-0.168	-1.749	-39.546	756.884
49249_9249	49249	9249	86.043	7.032	-0.044	-0.102	39.546	-756.886
49249_9250	49249	9250	-86.043	-2.501	0.044	0.102	-39.107	805.191
49250_9250	49250	9250	86.086	3.32	-2.528	2.076	39.107	-805.079
49250_9251	49250	9251	-86.086	1.095	2.528	-2.076	-14.142	816.07
49251_9251	49251	9251	86.079	-1.095	-2.739	0.077	14.142	-816.073
49251_9252	49251	9252	-86.079	5.453	2.739	-0.077	12.557	784.159
49252_9252	49252	9252	85.977	-3.927	3.072	10.611	-12.557	-783.968
49252_9253	49252	9253	-85.977	5.339	-3.072	-10.611	2.851	769.332
49253_9253	49253	9253	85.983	-5.339	2.913	9.234	-2.851	-770.891
49253_9254	49253	9254	-85.983	9.585	-2.913	-9.234	-24.815	700
49254_9254	49254	9254	7.64	2.267	6.607	-9.674	-10.038	-3098.67
49254_9255	49254	9255	-7.018	3.026	-6.607	9.674	-68.575	3094.155
49255_9255	49255	9255	7.258	-1.846	-3.171	5.512	67.067	-3093.89
49255_9256	49255	9256	-6.817	6.6	3.171	-5.512	-33.242	3048.851
49256_9256	49256	9256	6.941	-6.457	-3.197	-5.94	33.943	-3048.84
49256_9257	49256	9257	-6.602	11.366	3.197	5.94	1.224	2950.819
49257_9257	49257	9257	6.83	-9.271	0.786	6.108	-1.801	-2950.76
49257_9258	49257	9258	-6.718	11.417	-0.786	-6.108	-1.969	2901.087
49258_9258	49258	9258	6.9	-11.308	0.773	0.926	2.195	-2898.18
49258_9259	49258	9259	-6.743	15.823	-0.773	-0.926	-10.009	2761.1
49259_9259	49259	9259	6.955	-15.732	0.754	-6.513	10.107	-2761.09
49259_9260	49259	9260	-6.906	18.739	-0.754	6.513	-15.181	2645.149
49260_9260	49260	9260	84.265	-64.785	-2.486	-35.877	74.234	7080.021
49260_9261	49260	9261	-84.257	66.201	2.486	35.877	-66.362	-7287.42
49261_9261	49261	9261	84.511	-65.864	-2.754	-13.283	66.218	7279.119
49261_9262	49261	9262	-84.511	70.988	2.754	13.283	-34.651	-8063.36
49262_9262	49262	9262	84.502	-70.988	-3.02	12.146	34.651	8063.365
49262_9263	49262	9263	-84.502	75.399	3.02	-12.146	-4.831	-8785.89
49263_9263	49263	9263	84.514	-78.512	-1.404	-12.95	4.831	8786.515
49263_9264	49263	9264	-84.514	83.762	1.404	12.95	11.663	-9739.47
49264_9264	49264	9264	84.511	-83.762	-1.557	4.641	-11.663	9739.48

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49264_9265	49264	9265	-84.511	88.819	1.557	-4.641	29.28	-10715.7
49265_9265	49265	9265	84.525	-90.406	-0.788	-12.791	-29.28	10716.9
49265_9266	49265	9266	-84.525	95.666	0.788	12.791	38.554	-11811.6
49266_9266	49266	9266	84.523	-95.666	-0.933	7.332	-38.554	11811.6
49266_9267	49266	9267	-84.523	100.714	0.933	-7.332	49.083	-12920.6
49267_9267	49267	9267	84.542	-103.89	-0.438	-17.563	-49.083	12922.62
49267_9268	49267	9268	-84.542	106.88	0.438	17.563	52.012	-13627.5
49268_9268	49268	9268	84.541	-106.88	-0.486	-9.903	-52.012	13627.46
49268_9269	49268	9269	-84.541	109.887	0.486	9.903	55.28	-14356.8
49269_9269	49269	9269	85.566	-109.09	-0.619	13.373	-55.157	14353.45
49269_9270	49269	9270	-85.62	113.398	0.619	-13.373	61.128	-15425.4
49270_9270	49270	9270	87.624	-115.652	0.244	-24.266	-61.902	15428.66
49270_9271	49270	9271	-87.785	120.288	-0.244	24.266	59.36	-16652.7
49271_9271	49271	9271	89.902	-118.714	0.097	6.031	-58.503	16634.3
49271_9272	49271	9272	-90.102	122.356	-0.097	-6.031	57.718	-17617.1
49272_9272	49272	9272	91.569	-121.26	-0.103	48.16	-55.328	17617.06
49272_9273	49272	9273	-91.728	123.562	0.103	-48.16	55.861	-18248.3
49273_9273	49273	9273	94.083	-128.504	-4.815	-34.186	-61.079	18251.22
49273_9274	49273	9274	-94.55	133.82	4.815	34.186	118.498	-19815.1
49274_9274	49274	9274	98.202	-135.037	-5.132	42.555	-112.128	19815.16
49274_9275	49274	9275	-98.875	140.873	5.132	-42.555	179.454	-21624.9
49275_9275	49275	9275	-972.661	261.18	-8.898	-14.088	98.927	11183.57
49275_9276	49275	9276	972.661	-258.997	8.898	14.088	-55.48	-9913.61
49276_9276	49276	9276	-972.672	258.997	-7.777	-2.661	55.48	9913.619
49276_9277	49276	9277	972.672	-256.932	7.777	2.661	-19.552	-8721.88
49277_9277	49277	9277	-972.683	256.932	-6.189	12.166	19.552	8630.196
49277_9278	49277	9278	972.683	-252.815	6.189	-12.166	37.455	-6282.36
49278_9278	49278	9278	-94.519	31.634	2.897	-0.214	-123.979	824.758
49278_9279	49278	9279	94.519	-26.579	-2.897	0.214	91.216	-495.612
49279_9279	49279	9279	-94.505	26.579	3.302	1.908	-91.216	495.609
49279_9280	49279	9280	94.505	-21.371	-3.302	-1.908	52.74	-216.239
49280_9280	49280	9280	-94.615	18.752	-0.616	0.233	-52.74	216.296
49280_9281	49280	9281	94.615	-13.518	0.616	-0.233	59.951	-27.367
49281_9281	49281	9281	-94.616	13.518	-0.235	0.343	-59.951	27.365
49281_9282	49281	9282	94.616	-8.18	0.235	-0.343	62.756	102.197
49282_9282	49282	9282	-94.541	14.004	2.741	2.101	-62.756	-71.775
49282_9283	49282	9283	94.541	-8.457	-2.741	-2.101	28.752	211.109
49283_9283	49283	9283	-94.526	8.457	3.193	1.091	-28.752	-211.116
49283_9284	49283	9284	94.526	-3.436	-3.193	-1.091	-7.126	277.93
49284_9284	49284	9284	-94.545	-0.342	2.452	1.079	7.126	-277.943
49284_9285	49284	9285	94.545	4.869	-2.452	-1.079	-31.962	251.557
49285_9285	49285	9285	-94.537	-4.869	2.732	0.335	31.962	-251.559
49285_9286	49285	9286	94.537	9.061	-2.732	-0.335	-57.584	186.24
49286_9286	49286	9286	-94.537	-8.256	-1.315	0.579	57.584	-186.242
49286_9287	49286	9287	94.537	10.055	1.315	-0.579	-52.291	149.395
49287_9287	49287	9287	-94.536	-10.055	-1.369	0.589	52.291	-144.256
49287_9288	49287	9288	94.536	14.301	1.369	-0.589	-39.286	28.586
49288_9288	49288	9288	0.23	47.922	-0.756	1.311	0.713	-300.319
49288_9289	49288	9289	0.29	-43.158	0.756	-1.311	7.379	788.028
49289_9289	49289	9289	-1.502	41.488	0.98	1.201	-7.321	-788.108
49289_9290	49289	9290	1.928	-36.185	-0.98	-1.201	-4.33	1250.009
49290_9290	49290	9290	-2.903	36.12	0.991	-2.09	4.497	-1250.01
49290_9291	49290	9291	3.162	-30.941	-0.991	2.09	-15.987	1638.795

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49291_9291	49291	9291	-3.792	29.014	-1.189	4.991	15.758	-1639.11
49291_9292	49291	9292	3.849	-27.161	1.189	-4.991	-10.825	1755.617
49292_9292	49292	9292	-4.261	27.099	-1.177	0.438	10.948	-1756.47
49292_9293	49292	9293	4.309	-23.518	1.177	-0.438	-1.518	1959.234
49293_9293	49293	9293	-4.565	23.471	-1.168	-3.573	1.523	-1959.23
49293_9294	49293	9294	4.566	-19.901	1.168	3.573	7.801	2132.374
49294_9294	49294	9294	-4.517	21.498	0.855	6.846	-7.802	-2132.67
49294_9295	49294	9295	4.517	-19.706	-0.855	-6.846	4.374	2215.241
49295_9295	49295	9295	-4.514	19.706	0.87	-0.369	-4.374	-2214.03
49295_9296	49295	9296	4.514	-15.152	-0.87	0.369	-4.491	2391.571
49296_9296	49296	9296	-4.511	15.152	0.881	-5.947	4.491	-2391.56
49296_9297	49296	9297	4.511	-11.459	-0.881	5.947	-11.769	2501.501
49297_9297	49297	9297	-14.516	-19.394	2.865	11.675	-80.575	-8388.11
49297_9298	49297	9298	14.516	24.531	-2.865	-11.675	47.646	8135.699
49298_9298	49298	9298	-14.507	-24.531	2.915	-16	-47.646	-8135.69
49298_9299	49298	9299	14.507	29.305	-2.915	16	16.519	7848.216
49299_9299	49299	9299	-14.558	-25.663	0.401	13.64	-16.519	-7849.4
49299_9300	49299	9300	14.558	30.491	-0.401	-13.64	12.195	7546.15
49300_9300	49300	9300	-14.556	-30.491	0.447	-10.737	-12.195	-7546.15
49300_9301	49300	9301	14.556	36.216	-0.447	10.737	6.467	7119.028
49301_9301	49301	9301	-14.55	-34.11	0.702	14.274	-6.467	-7119.98
49301_9302	49301	9302	14.55	39.41	-0.702	-14.274	-1.848	6684.083
49302_9302	49302	9302	-14.547	-39.41	0.758	-11.797	1.848	-6684.09
49302_9303	49302	9303	14.547	44.666	-0.758	11.797	-10.757	6189.901
49303_9303	49303	9303	-14.542	-42.038	0.945	11.001	10.757	-6190.84
49303_9304	49303	9304	14.542	47.653	-0.945	-11.001	-22.63	5627.518
49304_9304	49304	9304	-14.539	-47.653	0.994	-7.865	22.63	-5627.52
49304_9305	49304	9305	14.539	52.59	-0.994	7.865	-33.606	5074.025
49305_9305	49305	9305	-14.541	-50.421	0.814	12.894	33.606	-5074.72
49305_9306	49305	9306	14.541	55.361	-0.814	-12.894	-42.599	4490.237
49306_9306	49306	9306	-14.537	-55.361	0.873	-5.387	42.599	-4490.25
49306_9307	49306	9307	14.537	60.972	-0.873	5.387	-53.558	3760.107
49307_9307	49307	9307	-14.556	-59.307	-0.093	8.096	53.558	-3760.64
49307_9308	49307	9308	14.556	64.623	0.093	-8.096	-52.452	3023.802
49308_9308	49308	9308	-14.556	-68.263	-0.055	0.286	52.452	-3023.81
49308_9309	49308	9309	14.556	73.494	0.055	-0.286	-51.804	2194.353
49309_9309	49309	9309	-14.737	-74.689	-8.992	7.034	51.804	-2194.65
49309_9310	49309	9310	14.737	80.028	8.992	-7.034	55.594	1270.685
49310_9310	49310	9310	-14.768	-80.028	-8.943	2.79	-55.594	-1270.7
49310_9311	49310	9311	14.768	85.237	8.943	-2.79	159.809	307.716
49311_9311	49311	9311	-13.648	-94.047	48.175	-2.78	-159.809	-307.638
49311_9312	49311	9312	13.648	95.529	-48.175	2.78	0	-6.799

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
1	2	3	4	5	6	7	8	9	14
9000_9000	9000	9000	-3.145	72	0.625	1.794	0	-12.183	1
9000_9001	9000	9001	48.93	-68.067	-0.625	-1.794	-5.187	381.974	1
9001_9001	9001	9001	-48.928	68.067	0.626	1.668	5.187	-381.984	1
9001_9002	9001	9002	95.135	-63.852	-0.626	-1.668	-10.751	755.189	1
9002_9002	9002	9002	-95.134	59.905	-0.535	1.589	10.751	-755.193	1
9002_9003	9002	9003	149.422	-54.179	0.535	-1.589	-4.285	1193.671	1
9003_9003	9003	9003	-149.427	54.179	-0.534	1.096	4.285	-1193.68	1
9003_9004	9003	9004	198.294	-48.45	0.534	-1.096	2.175	1588.364	1
9004_9004	9004	9004	-198.294	40.352	0.054	1.261	-2.175	-1588.37	1
9004_9005	9004	9005	233.962	-34.628	-0.054	-1.261	1.529	1876.453	1
9005_9005	9005	9005	-233.963	34.628	0.054	0.487	-1.529	-1876.46	1
9005_9006	9005	9006	264.202	-28.9	-0.054	-0.487	0.871	2120.691	1
9006_9006	9006	9006	-264.202	20.795	0.044	0.693	-0.871	-2120.69	1
9006_9007	9006	9007	281.27	-15.068	-0.044	-0.693	0.346	2258.551	1
9007_9007	9007	9007	-281.27	15.068	0.044	0.257	-0.346	-2258.55	1
9007_9008	9007	9008	292.886	-9.342	-0.044	-0.257	-0.185	2352.374	1
9008_9008	9008	9008	-292.886	0.946	-0.003	-0.033	0.185	-2352.38	1
9008_9009	9008	9009	291.059	4.783	0.003	0.033	-0.146	2337.619	1
9009_9009	9009	9009	-291.059	-4.783	-0.003	0.025	0.146	-2337.62	1
9009_9010	9009	9010	283.785	10.508	0.003	-0.025	-0.108	2278.867	1
9010_9010	9010	9010	-283.785	-19.175	0.083	0.007	0.108	-2278.87	1
9010_9011	9010	9011	262.802	24.903	-0.083	-0.007	-1.114	2109.396	1
9011_9011	9011	9011	-262.802	-24.903	0.084	-0.809	1.114	-2109.39	1
9011_9012	9011	9012	236.372	30.63	-0.084	0.809	-2.128	1895.927	1
9012_9012	9012	9012	-236.372	-38.983	-0.009	-0.413	2.128	-1895.93	1
9012_9013	9012	9013	196.544	44.709	0.009	0.413	-2.016	1574.251	1
9013_9013	9013	9013	-196.544	-44.709	-0.009	-1.022	2.016	-1574.25	1
9013_9014	9013	9014	151.276	50.434	0.009	1.022	-1.913	1208.632	1
9014_9014	9014	9014	-151.276	-58.536	-0.087	-0.814	1.913	-1208.63	1
9014_9015	9014	9015	75.093	65.903	0.087	0.814	-0.554	593.316	1
9015_9015	9015	9015	-81.601	-65.664	-0.058	-0.507	0.363	-604.98	1
9015_9016	9015	9016	32.458	69.557	0.058	0.506	0.117	243.074	1
9016_9016	9016	9016	-31.093	-76.516	-0.5	-0.523	-0.137	-243.075	1
9016_9017	9016	9017	-43.492	82.052	0.5	0.484	6.012	-368.916	1.06
9017_9017	9017	9017	44.937	-81.922	-0.499	-0.382	-6.031	371.044	1.06
9017_9018	9017	9018	-110.083	88.481	0.499	0.316	12.655	-1147.37	1.03
9018_9018	9018	9018	112.482	-95.051	0.766	-0.737	-12.751	1147.333	1.03
9018_9019	9018	9019	-155.536	101.531	-0.766	0.859	3.158	-2033.58	1.02
9019_9019	9019	9019	157.771	-101.12	0.766	-0.365	-3.116	2033.589	1.02
9019_9020	9019	9020	-179.984	107.83	-0.766	0.5	-6.514	-3022.65	1.02
9020_9020	9020	9020	-270.467	28.881	-1.298	0.017	28.808	342.378	1.02
9020_9021	9020	9021	292.338	-24.459	1.298	-0.017	-16.478	-176.427	1
9021_9021	9021	9021	-277.869	24.368	-0.903	0.176	12.851	105.918	1
9021_9022	9021	9022	293.719	-20.78	0.903	-0.176	-5.863	5.383	1
9022_9022	9022	9022	-293.713	20.78	-0.95	0.176	5.863	-5.381	1
9022_9023	9022	9023	307.077	-17.183	0.95	-0.176	1.509	99.224	1
9023_9023	9023	9023	-307.101	12.962	-0.148	-0.003	-1.509	-99.231	1
9023_9024	9023	9024	315.162	-9.254	0.148	0.003	2.693	155.843	1
9024_9024	9024	9024	-315.162	9.254	-0.148	-0.003	-2.693	-155.843	1
9024_9025	9024	9025	320.533	-5.545	0.148	0.003	3.877	193.555	1
9025_9025	9025	9025	-320.534	5.545	-0.089	-0.027	-3.877	-193.555	1
9025_9026	9025	9026	323.212	-1.837	0.089	0.027	4.59	212.365	1
9026_9026	9026	9026	-323.212	-3.847	-0.089	-0.021	-4.59	-212.365	1
9026_9027	9026	9027	320.363	6.627	0.089	0.021	5.126	192.359	1
9027_9027	9027	9027	-320.364	-6.627	-0.002	-0.057	-5.126	-192.358	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9027_9028	9027	9028	315.995	9.411	0.002	0.057	5.139	161.679	1
9028_9028	9028	9028	-315.995	-9.411	-0.011	-0.054	-5.139	-161.679	1
9028_9029	9028	9029	310.12	12.19	0.011	0.054	5.204	120.427	1
9029_9029	9029	9029	-310.12	-12.19	-0.002	-0.056	-5.204	-120.427	1
9029_9030	9029	9030	302.72	14.974	0.002	0.056	5.217	68.463	1
9030_9030	9030	9030	-302.721	-20.727	0.028	-0.094	-5.217	-68.462	1
9030_9031	9030	9031	286.341	24.434	-0.028	0.094	4.99	-46.558	1
9031_9031	9031	9031	-286.341	-24.434	0.028	-0.094	-4.99	46.558	1
9031_9032	9031	9032	267.273	28.14	-0.028	0.094	4.763	-180.457	1
9032_9032	9032	9032	-267.273	-28.14	0.094	-0.069	-4.763	180.458	1
9032_9033	9032	9033	245.491	31.85	-0.094	0.069	4.014	-333.417	1
9033_9033	9033	9033	-245.479	-36.532	0.508	-0.291	-4.014	333.428	1
9033_9034	9033	9034	218.521	40.126	-0.508	0.291	0.075	-522.735	1
9034_9034	9034	9034	-218.521	-40.126	0.508	-0.291	-0.075	522.735	1
9034_9035	9034	9035	189.035	43.719	-0.508	0.291	-3.865	-729.793	1
9035_9035	9035	9035	-208.204	-43.892	0.81	-0.041	5.038	823.346	1
9035_9036	9035	9036	170.519	48.313	-0.81	0.041	-12.73	-1110.57	1.01
9036_9036	9036	9036	221.808	94.47	-0.485	-0.235	2.812	3945.732	1.01
9036_9037	9036	9037	-221.728	-87.573	0.485	0.32	3.282	-3039.49	1.02
9037_9037	9037	9037	219.756	87.763	-0.481	0.866	-3.423	3039.483	1.02
9037_9038	9037	9038	-204.551	-81.062	0.481	-0.79	9.45	-2233.38	1.02
9038_9038	9038	9038	202.464	75.392	0.177	-0.025	-9.329	2233.45	1.02
9038_9039	9038	9039	-169.77	-68.644	-0.177	0.002	6.981	-1536.2	1.03
9039_9039	9039	9039	169.869	68.92	0.18	0.425	-6.99	1527.171	1.03
9039_9040	9039	9040	-121.012	-63.335	-0.18	-0.439	4.871	-993.002	1.05
9040_9040	9040	9040	119.884	56.499	0.188	0.256	-4.849	993.045	1.05
9040_9041	9040	9041	-83.862	-52.674	-0.188	-0.26	3.298	-694.439	1.07
9041_9041	9041	9041	93.671	52.329	0.09	0.177	-1.575	644.05	1.07
9041_9042	9041	9042	-22.171	-45.411	-0.09	-0.177	0.217	-191.146	1
9042_9042	9042	9042	22.172	38.631	0.009	0.158	-0.217	191.143	1
9042_9043	9042	9043	19.122	-33.194	-0.009	-0.158	0.111	70.425	1
9043_9043	9043	9043	-19.122	33.194	0.01	0.153	-0.111	-70.426	1
9043_9044	9043	9044	54.134	-27.761	-0.01	-0.153	-0.002	292.206	1
9044_9044	9044	9044	-54.134	20.23	0	0.093	0.002	-292.209	1
9044_9045	9044	9045	74.265	-14.794	0	-0.093	0.002	419.726	1
9045_9045	9045	9045	-74.265	14.794	0	0.061	-0.002	-419.727	1
9045_9046	9045	9046	88.147	-9.358	0	-0.061	-0.003	507.655	1
9046_9046	9046	9046	-88.147	1.731	0	0.001	0.003	-507.656	1
9046_9047	9046	9047	87.013	3.704	0	-0.001	-0.006	500.475	1
9047_9047	9047	9047	-87.013	-3.704	0.001	-0.037	0.006	-500.475	1
9047_9048	9047	9048	79.634	9.138	-0.001	0.037	-0.017	453.735	1
9048_9048	9048	9048	-79.634	-16.69	-0.013	-0.095	0.017	-453.733	1
9048_9049	9048	9049	57.335	22.124	0.013	0.095	0.142	312.481	1
9049_9049	9049	9049	-57.335	-22.124	-0.013	-0.118	-0.142	-312.48	1
9049_9050	9049	9050	28.794	27.557	0.013	0.118	0.292	131.693	1
9050_9050	9050	9050	-28.794	-34.866	-0.045	-0.165	-0.292	-131.691	1
9050_9051	9050	9051	-27.336	41.79	0.045	0.165	0.972	-223.854	1.15
9051_9051	9051	9051	25.98	-41.982	-0.05	-0.188	-1.114	232.283	1.15
9051_9052	9051	9052	-57.792	45.771	0.05	0.187	1.53	-462.866	1.06
9052_9052	9052	9052	58.724	-52.503	-0.172	-0.272	-1.538	462.851	1.06
9052_9053	9052	9053	-106.479	57.948	0.172	0.256	3.559	-888.073	1.03
9053_9053	9053	9053	97.284	-58.41	-0.234	-0.339	-4.861	943.014	1.03
9053_9054	9053	9054	-131.567	64.836	0.234	0.306	7.967	-1531.12	1.02
9054_9054	9054	9054	133.435	-70.961	0.455	-0.621	-8.015	1531.075	1.02
9054_9055	9054	9055	-154.465	77.284	-0.455	0.698	2.317	-2225.5	1.01
9055_9055	9055	9055	156.185	-77.171	0.456	-0.305	-2.3	2225.504	1.01

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9055_9056	9055	9056	-163.99	83.681	-0.456	0.391	-3.426	-3009.68	1.01
9056_9056	9056	9056	-204.293	40.243	-0.745	0.208	13.699	635.74	1.01
9056_9057	9056	9057	234.504	-35.919	0.745	-0.208	-6.625	-395.435	1
9057_9057	9057	9057	-232.476	35.909	-0.599	0.398	5.919	381.038	1
9057_9058	9057	9058	254.667	-32.381	0.599	-0.398	-1.277	-205.096	1
9058_9058	9058	9058	-254.673	32.381	-0.551	0.45	1.277	205.093	1
9058_9059	9058	9059	274.57	-28.853	0.551	-0.45	2.998	-47.345	1
9059_9059	9059	9059	-274.584	24.476	-0.05	0.122	-2.998	47.339	1
9059_9060	9059	9060	289.765	-20.839	0.05	-0.122	3.401	73.025	1
9060_9060	9060	9060	-289.766	20.839	-0.001	0.103	-3.401	-73.026	1
9060_9061	9060	9061	302.523	-17.197	0.001	-0.103	3.41	174.173	1
9061_9061	9061	9061	-302.523	17.197	-0.001	0.103	-3.41	-174.173	1
9061_9062	9061	9062	312.838	-13.556	0.001	-0.103	3.419	255.953	1
9062_9062	9062	9062	-312.837	7.912	0.013	0.015	-3.419	-255.954	1
9062_9063	9062	9063	316.133	-5.179	-0.013	-0.015	3.338	282.079	1
9063_9063	9063	9063	-316.132	5.179	-0.052	0.113	-3.338	-282.078	1
9063_9064	9063	9064	318.05	-2.45	0.052	-0.113	3.652	297.28	1
9064_9064	9064	9064	-318.049	2.45	0.07	-0.08	-3.652	-297.28	1
9064_9065	9064	9065	318.595	0.278	-0.07	0.08	3.23	301.607	1
9065_9065	9065	9065	-318.596	-0.278	0.013	0.011	-3.23	-301.607	1
9065_9066	9065	9066	317.768	3.011	-0.013	-0.011	3.15	295.042	1
9066_9066	9066	9066	-317.768	-8.591	0.037	-0.036	-3.15	-295.042	1
9066_9067	9066	9067	310.785	12.232	-0.037	0.036	2.851	239.682	1
9067_9067	9067	9067	-310.784	-12.232	0.083	-0.094	-2.851	-239.682	1
9067_9068	9067	9068	301.361	15.872	-0.083	0.094	2.185	164.972	1
9068_9068	9068	9068	-301.361	-15.872	0.083	-0.094	-2.185	-164.972	1
9068_9069	9068	9069	289.497	19.512	-0.083	0.094	1.519	70.91	1
9069_9069	9069	9069	-289.481	-23.962	0.567	-0.35	-1.519	-70.904	1
9069_9070	9069	9070	272.773	27.488	-0.567	0.35	-2.876	-61.568	1
9070_9070	9070	9070	-272.772	-27.488	0.57	-0.349	2.876	61.568	1
9070_9071	9070	9071	253.748	31.018	-0.57	0.349	-7.301	-212.401	1
9071_9071	9071	9071	-256.418	-31.038	0.733	-0.214	8.414	230.338	1
9071_9072	9071	9072	230.206	35.364	-0.733	0.214	-15.375	-440.405	1.01
9072_9072	9072	9072	139.261	89.602	-0.438	0.366	5.433	2720.862	1.01
9072_9073	9072	9073	-124.199	-83.153	0.438	-0.284	0.069	-1894.87	1.01
9073_9073	9073	9073	122.348	82.964	-0.434	0.879	-0.108	1894.862	1.01
9073_9074	9073	9074	-92.162	-76.707	0.434	-0.806	5.548	-1162.38	1.01
9074_9074	9074	9074	90.194	70.524	0.203	0.291	-5.491	1162.415	1.01
9074_9075	9074	9075	-44.808	-64.159	-0.203	-0.32	2.793	-535.099	1.03
9075_9075	9075	9075	49.826	63.31	0.153	0.321	-2.047	500.875	1.03
9075_9076	9075	9076	7.633	-58.076	-0.153	-0.335	0.244	-42.488	1.03
9076_9076	9076	9076	-8.644	51.318	0.074	0.25	-0.235	42.495	1.03
9076_9077	9076	9077	45.79	-47.656	-0.074	-0.252	-0.371	215.391	1
9077_9077	9077	9077	-44.141	47.617	0.104	0.411	0.526	-212.689	1
9077_9078	9077	9078	95.955	-41.483	-0.104	-0.411	-1.956	601.324	1
9078_9078	9078	9078	-95.955	35.153	-0.028	0.425	1.956	-601.328	1
9078_9079	9078	9079	126.858	-30.162	0.028	-0.425	-1.646	833.125	1
9079_9079	9079	9079	-126.859	30.162	-0.025	0.279	1.646	-833.127	1
9079_9080	9079	9080	153.059	-25.166	0.025	-0.279	-1.362	1029.648	1
9080_9080	9080	9080	-153.06	18.142	-0.022	0.213	1.362	-1029.65	1
9080_9081	9080	9081	167.875	-13.147	0.022	-0.213	-1.121	1140.774	1
9081_9081	9081	9081	-167.875	13.147	-0.022	0.213	1.121	-1140.77	1
9081_9082	9081	9082	177.959	-8.152	0.022	-0.213	-0.879	1216.418	1
9082_9082	9082	9082	-177.96	0.645	-0.011	0.09	0.879	-1216.42	1
9082_9083	9082	9083	175.883	4.725	0.011	-0.09	-0.748	1200.84	1
9083_9083	9083	9083	-175.883	-4.725	-0.009	-0.085	0.748	-1200.84	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9083_9084	9083	9084	168.347	10.091	0.009	0.085	-0.64	1144.312	1
9084_9084	9084	9084	-168.346	-17.649	0.003	-0.118	0.64	-1144.31	1
9084_9085	9084	9085	149.273	22.642	-0.003	0.118	-0.678	1001.248	1
9085_9085	9085	9085	-149.273	-22.642	0.006	-0.284	0.678	-1001.25	1
9085_9086	9085	9086	125.473	27.636	-0.006	0.284	-0.741	822.73	1
9086_9086	9086	9086	-125.473	-34.849	-0.04	-0.301	0.741	-822.728	1
9086_9087	9086	9087	90.084	39.847	0.04	0.301	-0.29	557.289	1
9087_9087	9087	9087	-90.084	-39.847	-0.038	-0.389	0.29	-557.287	1
9087_9088	9087	9088	50	44.839	0.038	0.389	0.136	256.627	1
9088_9088	9088	9088	-50	-51.534	-0.07	-0.436	-0.136	-256.623	1
9088_9089	9088	9089	-10.914	57.431	0.07	0.436	1.063	-200.274	1.08
9089_9089	9089	9089	10.721	-57.646	-0.061	-0.407	-0.946	206.877	1.08
9089_9090	9089	9090	-50.215	61.349	0.061	0.406	1.447	-535.725	1.08
9090_9090	9090	9090	51.429	-67.99	-0.214	-0.627	-1.462	535.706	1.08
9090_9091	9090	9091	-107.474	73.318	0.214	0.608	3.976	-1104.01	1.02
9091_9091	9091	9091	106.517	-73.604	-0.266	-0.261	-5.011	1118.269	1.02
9091_9092	9091	9092	-149.265	79.922	0.266	0.224	8.546	-1854.42	1.02
9092_9092	9092	9092	151.487	-86.385	0.48	-0.999	-8.642	1854.358	1.02
9092_9093	9092	9093	-176.185	92.64	-0.48	1.078	2.626	-2698.41	1.02
9093_9093	9093	9093	178.265	-92.725	0.487	0.138	-2.521	2698.416	1.02
9093_9094	9093	9094	-186.644	99.182	-0.487	-0.048	-3.593	-3640.07	1
9094_9094	9094	9094	-230.054	35.873	-0.746	0.095	14.027	756.004	1
9094_9095	9094	9095	256.432	-31.678	0.746	-0.095	-6.941	-540.739	1
9095_9095	9095	9095	-255.863	31.764	-0.738	0.319	7.762	537.977	1
9095_9096	9095	9096	274.265	-28.329	0.738	-0.319	-2.041	-378.563	1
9096_9096	9096	9096	-274.265	28.329	-0.741	0.316	2.041	378.563	1
9096_9097	9096	9097	290.543	-24.898	0.741	-0.316	3.696	-237.544	1
9097_9097	9097	9097	-290.561	20.542	-0.008	0.024	-3.696	237.536	1
9097_9098	9097	9098	302.426	-16.996	0.008	-0.024	3.762	-134.748	1
9098_9098	9098	9098	-302.426	16.996	0.066	0.057	-3.762	134.747	1
9098_9099	9098	9099	312.039	-13.455	-0.066	-0.057	3.233	-51.472	1
9099_9099	9099	9099	-312.039	13.455	0.069	0.057	-3.233	51.472	1
9099_9100	9099	9100	319.424	-9.91	-0.069	-0.057	2.683	12.504	1
9100_9100	9100	9100	-319.422	4.402	0.001	-0.025	-2.683	-12.504	1
9100_9101	9100	9101	320.879	-1.743	-0.001	0.025	2.678	25.124	1
9101_9101	9101	9101	-320.879	1.743	-0.003	-0.025	-2.678	-25.124	1
9101_9102	9101	9102	321.076	0.911	0.003	0.025	2.693	26.829	1
9102_9102	9102	9102	-321.076	-0.911	0.001	-0.025	-2.693	-26.829	1
9102_9103	9102	9103	320.013	3.57	-0.001	0.025	2.687	17.626	1
9103_9103	9103	9103	-320.013	-3.57	0.103	-0.031	-2.687	-17.625	1
9103_9104	9103	9104	317.69	6.229	-0.103	0.031	2.066	-2.496	1
9104_9104	9104	9104	-317.692	-11.732	-0.09	-0.109	-2.066	2.497	1
9104_9105	9104	9105	309.168	15.273	0.09	0.109	2.788	-76.338	1
9105_9105	9105	9105	-309.168	-15.273	-0.011	-0.09	-2.788	76.339	1
9105_9106	9105	9106	298.395	18.817	0.011	0.09	2.875	-169.667	1
9106_9106	9106	9106	-298.395	-18.817	-0.013	-0.091	-2.875	169.667	1
9106_9107	9106	9107	285.399	22.358	0.013	0.091	2.981	-282.252	1
9107_9107	9107	9107	-285.384	-26.774	0.677	-0.34	-2.981	282.26	1
9107_9108	9107	9108	267.94	30.208	-0.677	0.34	-2.268	-433.376	1
9108_9108	9108	9108	-267.94	-30.208	0.677	-0.34	2.268	433.376	1
9108_9109	9108	9109	248.393	33.642	-0.677	0.34	-7.518	-602.706	1
9109_9109	9109	9109	-249.301	-33.559	0.673	-0.154	6.842	607.107	1
9109_9110	9109	9110	221.522	37.757	-0.673	0.154	-13.24	-834.869	1.01
9110_9110	9110	9110	185.726	97.754	-0.481	0.097	4.702	3714.742	1.01
9110_9111	9110	9111	-179.375	-91.283	0.481	-0.009	1.338	-2783.04	1.01
9111_9111	9111	9111	177.32	91.071	-0.475	0.879	-1.41	2783.033	1.01

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9111_9112	9111	9112	-155.276	-84.795	0.475	-0.801	7.368	-1949.04	1.01
9112_9112	9112	9112	153.087	78.34	0.22	0.194	-7.293	1949.095	1.01
9112_9113	9112	9113	-113.651	-72.007	-0.22	-0.224	4.374	-1224.09	1.03
9113_9113	9113	9113	114.949	71.62	0.178	0.601	-3.474	1208.152	1.03
9113_9114	9113	9114	-61.669	-66.362	-0.178	-0.617	1.378	-649.82	1.03
9114_9114	9114	9114	60.486	59.653	0.071	0.402	-1.364	649.842	1.03
9114_9115	9114	9115	-22.61	-56.012	-0.071	-0.403	0.78	-329.417	1.11
9115_9115	9115	9115	27.052	55.439	0.059	0.268	-0.647	297.5	1.11
9115_9116	9115	9116	39.207	-49.444	-0.059	-0.268	-0.166	137.533	1
9116_9116	9116	9116	-39.207	42.944	-0.001	0.272	0.166	-137.536	1
9116_9117	9116	9117	80.864	-38.064	0.001	-0.272	-0.161	411.037	1
9117_9117	9117	9117	-80.864	38.064	0.004	0.175	0.161	-411.041	1
9117_9118	9117	9118	117.531	-33.18	-0.004	-0.175	-0.201	651.784	1
9118_9118	9118	9118	-117.531	26.105	-0.013	0.237	0.201	-651.784	1
9118_9119	9118	9119	141.869	-21.225	0.013	-0.237	-0.058	811.577	1
9119_9119	9119	9119	-141.869	21.225	-0.009	0.046	0.058	-811.579	1
9119_9120	9119	9120	161.203	-16.341	0.009	-0.046	0.039	938.518	1
9120_9120	9120	9120	-161.204	8.915	-0.004	0.119	-0.039	-938.52	1
9120_9121	9120	9121	168.158	-3.673	0.004	-0.119	0.082	984.178	1
9121_9121	9121	9121	-168.158	3.673	0	-0.097	-0.082	-984.179	1
9121_9122	9121	9122	169.318	1.574	0	0.097	0.079	991.799	1
9122_9122	9122	9122	-169.318	-9.078	-0.003	0.046	-0.079	-991.799	1
9122_9123	9122	9123	157.461	13.962	0.003	-0.046	0.117	913.95	1
9123_9123	9123	9123	-157.461	-13.962	0.003	-0.274	-0.117	-913.948	1
9123_9124	9123	9124	140.578	18.845	-0.003	0.274	0.087	803.099	1
9124_9124	9124	9124	-140.578	-25.873	-0.011	-0.137	-0.087	-803.1	1
9124_9125	9124	9125	111.463	30.753	0.011	0.137	0.208	611.942	1
9125_9125	9125	9125	-111.463	-30.753	-0.007	-0.281	-0.208	-611.939	1
9125_9126	9125	9126	77.298	35.636	0.007	0.281	0.284	387.627	1
9126_9126	9126	9126	-77.299	-42.023	-0.076	-0.247	-0.284	-387.626	1
9126_9127	9126	9127	21.84	47.877	0.076	0.247	1.302	23.505	1
9127_9127	9127	9127	-21.742	-48.031	-0.065	-0.16	-1.17	-28.229	1
9127_9128	9127	9128	-16.501	51.621	0.065	0.159	1.708	-226.31	1
9128_9128	9128	9128	17.507	-58.382	-0.172	-0.249	-1.717	226.304	1
9128_9129	9128	9129	-75.181	63.53	0.172	0.233	3.739	-680.406	1.07
9129_9129	9129	9129	67.131	-64.503	-0.206	-0.151	-4.597	731.763	1.07
9129_9130	9129	9130	-110.608	70.84	0.206	0.123	7.332	-1360.61	1.04
9130_9130	9130	9130	112.596	-77.003	0.516	-0.424	-7.374	1360.602	1.04
9130_9131	9130	9131	-140.059	83.256	-0.516	0.509	0.91	-2094.81	1.03
9131_9131	9131	9131	141.899	-83.557	0.518	-0.207	-0.894	2094.812	1.03
9131_9132	9131	9132	-153.987	90.017	-0.518	0.303	-5.617	-2926.05	1.03
9132_9132	9132	9132	-204.921	36.995	-0.464	0.176	10.761	594.178	1.03
9132_9133	9132	9133	233.442	-32.733	0.464	-0.176	-6.35	-377.051	1
9133_9133	9133	9133	-220.251	32.601	-0.464	0.151	5.761	312.795	1
9133_9134	9133	9134	242.006	-29.138	0.464	-0.151	-2.165	-160.578	1
9134_9134	9134	9134	-242.011	29.138	-0.421	0.176	2.165	160.576	1
9134_9135	9134	9135	261.325	-25.675	0.421	-0.176	1.1	-25.436	1
9135_9135	9135	9135	-261.322	21.282	0.023	0.049	-1.1	25.438	1
9135_9136	9135	9136	275.503	-17.707	-0.023	-0.049	0.914	73.79	1
9136_9136	9136	9136	-275.503	17.707	0.065	0.038	-0.914	-73.79	1
9136_9137	9136	9137	287.084	-14.132	-0.065	-0.038	0.396	154.822	1
9137_9137	9137	9137	-287.084	14.132	0.065	0.038	-0.396	-154.822	1
9137_9138	9137	9138	296.065	-10.557	-0.065	-0.038	-0.121	217.658	1
9138_9138	9138	9138	-296.065	4.574	-0.047	0.008	0.121	-217.658	1
9138_9139	9138	9139	297.829	-1.893	0.047	-0.008	0.159	230.001	1
9139_9139	9139	9139	-297.829	1.893	0.009	-0.038	-0.159	-230.001	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9139_9140	9139	9140	298.131	0.788	-0.009	0.038	0.108	232.11	1
9140_9140	9140	9140	-298.131	-0.788	0.009	-0.038	-0.108	-232.11	1
9140_9141	9140	9141	296.969	3.469	-0.009	0.038	0.057	223.984	1
9141_9141	9141	9141	-296.969	-3.469	-0.047	0.007	-0.057	-223.984	1
9141_9142	9141	9142	294.345	6.15	0.047	-0.007	0.337	205.623	1
9142_9142	9142	9142	-294.345	-11.998	-0.025	-0.079	-0.337	-205.622	1
9142_9143	9142	9143	284.317	15.572	0.025	0.079	0.535	135.456	1
9143_9143	9143	9143	-284.317	-15.572	-0.066	-0.059	-0.535	-135.457	1
9143_9144	9143	9144	271.688	19.147	0.066	0.059	1.064	47.095	1
9144_9144	9144	9144	-271.688	-19.147	-0.025	-0.066	-1.064	-47.094	1
9144_9145	9144	9145	256.459	22.722	0.025	0.066	1.262	-59.463	1
9145_9145	9145	9145	-256.456	-27.167	0.357	-0.202	-1.262	59.465	1
9145_9146	9145	9146	236.089	30.63	-0.357	0.202	-1.503	-201.965	1
9146_9146	9146	9146	-236.093	-30.63	0.314	-0.233	1.503	201.962	1
9146_9147	9146	9147	213.286	34.093	-0.314	0.233	-3.937	-361.539	1
9147_9147	9147	9147	-225.785	-34.217	0.379	-0.165	4.184	422.474	1
9147_9148	9147	9148	195.873	38.478	-0.379	0.165	-7.786	-648.128	1
9148_9148	9148	9148	153.097	85.679	-0.318	0.416	2.2	2967.643	1
9148_9149	9148	9149	-144.553	-79.21	0.318	-0.356	1.793	-2174.5	1
9149_9149	9149	9149	142.807	78.753	-0.318	0.4	-1.785	2174.495	1
9149_9150	9149	9150	-120.241	-72.483	0.318	-0.347	5.767	-1477.09	1
9150_9150	9150	9150	118.356	66.506	0.154	0.304	-5.744	1477.088	1
9150_9151	9150	9151	-81.155	-60.154	-0.154	-0.326	3.7	-884.05	1
9151_9151	9151	9151	91.302	59.083	0.123	0.12	-2.996	821.952	1
9151_9152	9151	9152	-40.101	-53.671	-0.123	-0.132	1.547	-399.317	1
9152_9152	9152	9152	39.173	46.921	0.066	0.138	-1.543	399.316	1
9152_9153	9152	9153	-5.054	-43.153	-0.066	-0.14	0.999	-168.646	1
9153_9153	9153	9153	6.415	42.708	0.055	0.096	-0.848	160.176	1
9153_9154	9153	9154	48.639	-36.452	-0.055	-0.096	0.096	163.829	1
9154_9154	9154	9154	-48.639	29.965	0.009	0.084	-0.096	-163.829	1
9154_9155	9154	9155	79.198	-24.96	-0.009	-0.084	-0.002	343.677	1
9155_9155	9155	9155	-79.198	24.96	0.011	0.063	0.002	-343.678	1
9155_9156	9155	9156	104.188	-19.955	-0.011	-0.063	-0.121	490.749	1
9156_9156	9156	9156	-104.188	13.212	-0.003	0.043	0.121	-490.748	1
9156_9157	9156	9157	115.251	-8.662	0.003	-0.043	-0.086	555.86	1
9157_9157	9157	9157	-115.251	8.662	-0.001	0.004	0.086	-555.861	1
9157_9158	9157	9158	121.712	-4.112	0.001	-0.004	-0.072	593.885	1
9158_9158	9158	9158	-121.712	-2.4	0.003	-0.002	0.072	-593.884	1
9158_9159	9158	9159	116.983	6.95	-0.003	0.002	-0.098	566.053	1
9159_9159	9159	9159	-116.983	-6.95	0.005	-0.041	0.098	-566.053	1
9159_9160	9159	9160	107.651	11.5	-0.005	0.041	-0.145	511.133	1
9160_9160	9160	9160	-107.651	-18.172	-0.014	-0.069	0.145	-511.133	1
9160_9161	9160	9161	84.669	23.173	0.014	0.069	0.008	375.874	1
9161_9161	9161	9161	-84.669	-23.173	-0.014	-0.069	-0.008	-375.874	1
9161_9162	9161	9162	56.098	28.177	0.014	0.069	0.16	207.73	1
9162_9162	9162	9162	-56.098	-34.506	-0.047	-0.091	-0.16	-207.729	1
9162_9163	9162	9163	3.751	40.762	0.047	0.091	0.813	-100.349	1
9163_9163	9163	9163	-4.364	-41.191	-0.055	-0.129	-0.891	105.069	1
9163_9164	9163	9164	-28.776	44.954	0.055	0.128	1.341	-323.988	1
9164_9164	9164	9164	29.665	-51.634	-0.115	-0.122	-1.345	323.989	1
9164_9165	9164	9165	-80.255	57.026	0.115	0.111	2.702	-727.534	1
9165_9165	9165	9165	75.239	-57.869	-0.131	-0.21	-3.029	761.572	1
9165_9166	9165	9166	-114.617	64.489	0.131	0.191	4.765	-1318.37	1
9166_9166	9166	9166	116.43	-70.497	0.255	-0.374	-4.795	1318.367	1
9166_9167	9166	9167	-141.301	77.032	-0.255	0.418	1.597	-1981.77	1
9167_9167	9167	9167	142.987	-77.498	0.257	-0.161	-1.585	1981.772	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9167_9168	9167	9168	-153.398	84.252	-0.257	0.21	-1.647	-2743.34	1
9168_9168	9168	9168	-184.891	41.254	-0.337	0.183	7.211	594.833	1
9168_9169	9168	9169	218.826	-36.791	0.337	-0.183	-4.011	-359.86	1
9169_9169	9169	9169	-207.074	36.684	-0.249	0.246	3.265	302.588	1
9169_9170	9169	9170	232.739	-33.054	0.249	-0.246	-1.334	-135.007	1
9170_9170	9170	9170	-232.734	33.054	-0.28	0.226	1.334	135.01	1
9170_9171	9170	9171	255.727	-29.424	0.28	-0.226	0.835	15.126	1
9171_9171	9171	9171	-255.731	24.66	0.018	0.065	-0.835	-15.128	1
9171_9172	9171	9172	273.043	-20.913	-0.018	-0.065	0.694	128.171	1
9172_9172	9172	9172	-273.043	20.913	-0.012	0.083	-0.694	-128.171	1
9172_9173	9172	9173	287.508	-17.166	0.012	-0.083	0.792	222.624	1
9173_9173	9173	9173	-287.508	17.166	0.018	0.051	-0.792	-222.625	1
9173_9174	9173	9174	299.127	-13.419	-0.018	-0.051	0.65	298.49	1
9174_9174	9174	9174	-299.127	7.217	0.014	-0.018	-0.65	-298.49	1
9174_9175	9174	9175	302.438	-4.406	-0.014	0.018	0.569	320.112	1
9175_9175	9175	9175	-302.438	4.406	-0.026	0.042	-0.569	-320.112	1
9175_9176	9175	9176	304.148	-1.596	0.026	-0.042	0.727	331.278	1
9176_9176	9176	9176	-304.148	1.596	0.014	-0.02	-0.727	-331.278	1
9176_9177	9176	9177	304.257	1.215	-0.014	0.02	0.646	331.987	1
9177_9177	9177	9177	-304.257	-1.215	0.014	-0.02	-0.646	-331.987	1
9177_9178	9177	9178	302.764	4.025	-0.014	0.02	0.565	322.24	1
9178_9178	9178	9178	-302.764	-10.218	-0.009	-0.057	-0.565	-322.241	1
9178_9179	9178	9179	293.578	13.965	0.009	0.057	0.638	262.257	1
9179_9179	9179	9179	-293.578	-13.965	0.021	-0.094	-0.638	-262.256	1
9179_9180	9179	9180	281.544	17.712	-0.021	0.094	0.472	183.682	1
9180_9180	9180	9180	-281.545	-17.712	-0.009	-0.068	-0.472	-183.682	1
9180_9181	9180	9181	266.664	21.459	0.009	0.068	0.545	86.519	1
9181_9181	9181	9181	-266.664	-26.023	0.3	-0.225	-0.545	-86.518	1
9181_9182	9181	9182	246.175	29.653	-0.3	0.225	-1.779	-47.269	1
9182_9182	9182	9182	-246.175	-29.653	0.3	-0.225	1.779	47.269	1
9182_9183	9182	9183	223.015	33.283	-0.3	0.225	-4.104	-198.501	1
9183_9183	9183	9183	-232.819	-33.357	0.318	-0.236	4.752	246.224	1
9183_9184	9183	9184	201.596	37.817	-0.318	0.236	-7.776	-459.406	1.02
9184_9184	9184	9184	139.931	85.193	-0.282	0.298	2.418	2545.578	1.02
9184_9185	9184	9185	-125.876	-78.488	0.282	-0.243	1.122	-1786.62	1.03
9185_9185	9185	9185	124.18	77.878	-0.279	0.469	-1.131	1786.62	1.03
9185_9186	9185	9186	-95.019	-71.4	0.279	-0.42	4.633	-1126.43	1.04
9186_9186	9186	9186	93.196	65.253	0.129	0.186	-4.602	1126.433	1.04
9186_9187	9186	9187	-49.164	-58.686	-0.129	-0.205	2.897	-572.421	1.08
9187_9187	9187	9187	52.973	57.667	0.115	0.148	-2.584	544.849	1.08
9187_9188	9187	9188	0.751	-52.056	-0.115	-0.159	1.236	-143.631	1.08
9188_9188	9188	9188	-1.642	44.951	0.052	0.148	-1.231	143.629	1.08
9188_9189	9188	9189	35.558	-41.019	-0.052	-0.149	0.8	72.654	1
9189_9189	9189	9189	-35.895	40.707	0.047	0.132	-0.743	-77.803	1
9189_9190	9189	9190	86.635	-34.125	-0.047	-0.132	0.096	396.842	1
9190_9190	9190	9190	-86.635	27.456	0.017	0.086	-0.096	-396.843	1
9190_9191	9190	9191	113.565	-22.19	-0.017	-0.086	-0.096	566.169	1
9191_9191	9191	9191	-113.565	22.19	0.015	0.124	0.096	-566.168	1
9191_9192	9191	9192	134.783	-16.925	-0.015	-0.124	-0.265	699.577	1
9192_9192	9192	9192	-134.783	10.047	-0.005	0.054	0.265	-699.578	1
9192_9193	9192	9193	142.305	-5.284	0.005	-0.054	-0.212	746.878	1
9193_9193	9193	9193	-142.305	5.284	-0.003	-0.003	0.212	-746.878	1
9193_9194	9193	9194	145.154	-0.522	0.003	0.003	-0.182	764.79	1
9194_9194	9194	9194	-145.154	-6.181	-0.02	-0.014	0.182	-764.793	1
9194_9195	9194	9195	136.752	10.944	0.02	0.014	0.013	711.962	1
9195_9195	9195	9195	-136.752	-10.944	-0.017	-0.068	-0.013	-711.961	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9195_9196	9195	9196	123.691	15.702	0.017	0.068	0.185	629.839	1
9196_9196	9196	9196	-123.692	-22.601	-0.027	-0.1	-0.185	-629.848	1
9196_9197	9196	9197	96.316	27.866	0.027	0.1	0.479	457.721	1
9197_9197	9197	9197	-96.316	-27.866	-0.025	-0.131	-0.479	-457.719	1
9197_9198	9197	9198	63.228	33.132	0.025	0.131	0.752	249.675	1
9198_9198	9198	9198	-63.226	-39.744	-0.062	-0.148	-0.752	-249.679	1
9198_9199	9198	9199	4.821	46.33	0.062	0.148	1.601	-117.552	1.03
9199_9199	9199	9199	-4.629	-46.765	-0.065	-0.18	-1.729	120.029	1.03
9199_9200	9199	9200	-32.468	50.702	0.065	0.179	2.264	-364.067	1.03
9200_9200	9200	9200	33.475	-57.639	-0.155	-0.244	-2.271	364.06	1.03
9200_9201	9200	9201	-89.26	63.229	0.155	0.227	4.093	-806.49	1.03
9201_9201	9201	9201	79.838	-64.347	-0.235	-0.252	-6.238	867.781	1.03
9201_9202	9201	9202	-121.843	71.231	0.235	0.214	9.362	-1487.95	1.02
9202_9202	9202	9202	123.822	-77.625	0.441	-0.315	-9.398	1487.938	1.02
9202_9203	9202	9203	-150.461	84.404	-0.441	0.402	3.872	-2218.17	1.01
9203_9203	9203	9203	152.303	-84.886	0.438	-0.576	-3.914	2218.167	1.01
9203_9204	9203	9204	-163.91	91.908	-0.438	0.672	-1.589	-3049.22	1.01
9204_9204	9204	9204	-206.268	42.536	-0.58	0.375	11.586	675.538	1.01
9204_9205	9204	9205	239.599	-37.823	0.58	-0.375	-6.072	-431.24	1
9205_9205	9205	9205	-230.61	37.742	-0.485	0.455	5.491	358.466	1
9205_9206	9205	9206	255.564	-33.905	0.485	-0.455	-1.73	-180.654	1
9206_9206	9206	9206	-255.564	33.905	-0.485	0.455	1.73	180.654	1
9206_9207	9206	9207	277.846	-30.068	0.485	-0.455	2.031	-21.886	1
9207_9207	9207	9207	-277.863	25.118	-0.102	0.169	-2.031	21.875	1
9207_9208	9207	9208	294.501	-21.158	0.102	-0.169	2.849	96.677	1
9208_9208	9208	9208	-294.502	21.158	-0.055	0.155	-2.849	-96.679	1
9208_9209	9208	9209	308.292	-17.197	0.055	-0.155	3.291	194.938	1
9209_9209	9209	9209	-308.293	17.197	-0.008	0.126	-3.291	-194.94	1
9209_9210	9209	9210	319.235	-13.237	0.008	-0.126	3.356	272.906	1
9210_9210	9210	9210	-319.232	6.799	-0.061	0.117	-3.356	-272.907	1
9210_9211	9210	9211	322.098	-3.829	0.061	-0.117	3.724	293.328	1
9211_9211	9211	9211	-322.099	3.829	0.001	0.061	-3.724	-293.329	1
9211_9212	9211	9212	323.363	-0.858	-0.001	-0.061	3.715	302.336	1
9212_9212	9212	9212	-323.363	0.858	0.064	0.002	-3.715	-302.336	1
9212_9213	9212	9213	323.024	2.112	-0.064	-0.002	3.33	299.927	1
9213_9213	9213	9213	-323.023	-2.112	0.127	-0.056	-3.33	-299.927	1
9213_9214	9213	9214	321.083	5.083	-0.127	0.056	2.568	286.103	1
9214_9214	9214	9214	-321.089	-11.499	-0.021	-0.049	-2.568	-286.104	1
9214_9215	9214	9215	311.41	15.455	0.021	0.049	2.733	217.133	1
9215_9215	9215	9215	-311.409	-15.455	0.073	-0.112	-2.733	-217.132	1
9215_9216	9215	9216	298.87	19.416	-0.073	0.112	2.149	127.79	1
9216_9216	9216	9216	-298.868	-19.416	0.167	-0.149	-2.149	-127.787	1
9216_9217	9216	9217	283.48	23.377	-0.167	0.149	0.811	18.145	1
9217_9217	9217	9217	-283.45	-28.156	0.513	-0.515	-0.811	-18.109	1
9217_9218	9217	9218	262.497	31.993	-0.513	0.515	-3.164	-131.19	1
9218_9218	9218	9218	-262.478	-31.993	0.659	-0.456	3.164	131.206	1
9218_9219	9218	9219	238.85	35.831	-0.659	0.456	-8.27	-299.568	1
9219_9219	9219	9219	-245.535	-35.88	0.694	-0.383	8.51	361.905	1
9219_9220	9219	9220	213.455	40.591	-0.694	0.383	-15.101	-592.969	1
9220_9220	9220	9220	165.577	89.952	-0.421	0.218	3.87	2960.393	1
9220_9221	9220	9221	-153.741	-82.955	0.421	-0.123	1.409	-2151.66	1
9221_9221	9221	9221	151.927	82.605	-0.411	1.173	-1.491	2151.643	1
9221_9222	9221	9222	-125.187	-75.848	0.411	-1.09	6.641	-1440.76	1.01
9222_9222	9222	9222	123.334	68.519	0.272	0.081	-6.539	1441.037	1.01
9222_9223	9222	9223	-82.721	-61.658	-0.272	-0.126	2.933	-848.042	1.01
9223_9223	9223	9223	91.819	60.694	0.188	0.456	-1.931	788.85	1.01

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9223_9224	9223	9224	-38.204	-54.754	-0.188	-0.476	-0.277	-368.205	1.03
9224_9224	9224	9224	37.214	47.572	0.029	0.163	0.291	368.319	1.03
9224_9225	9224	9225	-2.317	-43.384	-0.029	-0.163	-0.533	-141.628	1
9225_9225	9225	9225	0.165	43.308	0.039	0.291	0.584	150.504	1
9225_9226	9225	9226	52.185	-35.891	-0.039	-0.291	-1.152	213.611	1
9226_9226	9226	9226	-52.189	28.937	0.021	0.199	1.152	-213.619	1
9226_9227	9226	9227	79.203	-23.113	-0.021	-0.199	-1.396	401.512	1
9227_9227	9227	9227	-79.203	23.113	0.027	0.058	1.396	-401.515	1
9227_9228	9227	9228	100.174	-17.288	-0.027	-0.058	-1.705	547.376	1
9228_9228	9228	9228	-100.179	10.672	-0.018	0.067	1.705	-547.393	1
9228_9229	9228	9229	108.231	-4.851	0.018	-0.067	-1.501	603.398	1
9229_9229	9229	9229	-108.231	4.851	-0.012	-0.145	1.501	-603.397	1
9229_9230	9229	9230	110.244	0.971	0.012	0.145	-1.361	617.397	1
9230_9230	9230	9230	-110.244	-7.973	0.039	-0.114	1.361	-617.377	1
9230_9231	9230	9231	98.092	14.14	-0.039	0.114	-1.832	532.854	1
9231_9231	9231	9231	-98.09	-14.14	0.044	-0.277	1.832	-532.851	1
9231_9232	9231	9232	84.621	18.737	-0.044	0.277	-2.229	439.163	1.03
9232_9232	9232	9232	-83.973	-19.013	0.085	-0.377	3.638	-441.902	1.03
9232_9233	9232	9233	78.271	20.588	-0.085	0.378	-3.9	403.462	1.03
9233_9233	9233	9233	-77.927	-28.224	-0.735	-0.324	3.895	-403.458	1.03
9233_9234	9233	9234	50.715	33.078	0.735	0.287	3.114	220.453	1.03
9234_9234	9234	9234	-50.257	-33.754	-0.726	-0.305	-3.126	-220.444	1.03
9234_9235	9234	9235	27.654	37.497	0.726	0.25	8.492	54.536	1.03
9235_9235	9235	9235	-27.885	-38.358	-1.102	-0.902	-13.12	-50.57	1.03
9235_9236	9235	9236	12.089	41.613	1.102	0.828	19.989	-122.891	1.01
9236_9236	9236	9236	-11.371	-46.045	0.607	-0.62	-20.012	122.889	1.01
9236_9237	9236	9237	-12.948	51.245	-0.607	0.7	14.028	-463.709	1.01
9237_9237	9237	9237	13.824	-51.751	0.628	-0.078	-14.006	463.736	1.01
9237_9238	9237	9238	-32.223	56.978	-0.628	0.172	8.126	-834.737	1.01
9238_9238	9238	9238	34.088	-69.042	1.209	-2.045	-8.376	834.402	1.01
9238_9239	9238	9239	-51.506	74.116	-1.209	2.237	-2.475	-1310.66	1.01
9239_9239	9239	9239	52.344	-74.407	1.22	-1.763	2.514	1310.681	1.01
9239_9240	9239	9240	-58.378	76.653	-1.22	1.852	-7.315	-1534.37	1
9240_9240	9240	9240	-201.648	58.01	0.66	3.996	16.854	223.33	1
9240_9241	9240	9241	228.906	-54.586	-0.66	-3.996	-21.033	24.082	1
9241_9241	9241	9241	-228.69	39.677	-0.799	0.205	21.033	-24.956	1
9241_9242	9241	9242	238.074	-37.967	0.799	-0.205	-18.509	110.127	1
9242_9242	9242	9242	-235.871	37.937	-0.662	0.186	17.47	-120.78	1
9242_9243	9242	9243	268.98	-31.261	0.662	-0.186	-9.292	415.77	1
9243_9243	9243	9243	-268.987	31.261	-0.536	-0.033	9.292	-415.771	1
9243_9244	9243	9244	289.053	-26.406	0.536	0.033	-4.475	594.545	1
9244_9244	9244	9244	-288.911	17.363	-1.046	0.876	4.475	-594.292	1
9244_9245	9244	9245	300.682	-11.714	1.046	-0.876	6.455	699.169	1
9245_9245	9245	9245	-300.696	11.714	-0.914	0.489	-6.455	-699.179	1
9245_9246	9245	9246	307.257	-6.759	0.914	-0.489	14.834	757.633	1
9246_9246	9246	9246	-307.367	2.377	-0.081	0.607	-14.834	-757.539	1
9246_9247	9246	9247	306.98	3.323	0.081	-0.607	15.687	754.094	1
9247_9247	9247	9247	-306.981	-3.323	0.078	0.106	-15.687	-754.1	1
9247_9248	9247	9248	302.915	8.233	-0.078	-0.106	14.982	717.873	1
9248_9248	9248	9248	-302.913	-13.944	0.206	0.069	-14.982	-717.837	1
9248_9249	9248	9249	290.78	19.072	-0.206	-0.069	13.023	609.734	1
9249_9249	9249	9249	-290.777	-19.072	0.323	-0.228	-13.023	-609.733	1
9249_9250	9249	9250	273.655	24.548	-0.323	0.228	9.753	457.186	1
9250_9250	9250	9250	-273.717	-29.527	1.232	-0.574	-9.753	-457.179	1
9250_9251	9250	9251	249.084	34.864	-1.232	0.574	-2.421	237.712	1
9251_9251	9251	9251	-249.068	-34.864	1.349	-0.69	2.421	-237.704	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9251_9252	9251	9252	220.751	40.133	-1.349	0.69	-15.572	-14.595	1
9252_9252	9252	9252	-220.582	-49.795	-1.134	-4.665	15.572	14.262	1
9252_9253	9252	9253	208.186	51.503	1.134	4.665	-11.988	-124.703	1
9253_9253	9253	9253	-208.909	-51.489	-1.012	-4.678	11.597	128.211	1
9253_9254	9253	9254	168.958	56.622	1.012	4.678	-1.983	-481.96	1.01
9254_9254	9254	9254	85.348	78.575	-2.633	5.609	1.018	1880.535	1.01
9254_9255	9254	9255	-66.446	-71.769	2.633	-5.023	30.306	-1208.61	1.01
9255_9255	9255	9255	63.428	52.778	1.456	-0.663	-29.565	1208.206	1.01
9255_9256	9255	9256	-48.865	-46.759	-1.456	0.404	14.031	-813.053	1.02
9256_9256	9256	9256	48.004	46.471	1.469	0.492	-14.077	813.034	1.02
9256_9257	9256	9257	-27.623	-40.374	-1.469	-0.711	-2.083	-466.917	1.03
9257_9257	9257	9257	26.759	31.587	-0.181	0.793	2.088	466.909	1.03
9257_9258	9257	9258	-19.23	-28.954	0.181	-0.783	-1.218	-362.934	1.03
9258_9258	9258	9258	25.968	28.253	-0.113	0.407	0.793	324.642	1.03
9258_9259	9258	9259	-6.652	-22.857	0.113	-0.396	0.349	-156.917	1.05
9259_9259	9259	9259	6.33	22.58	-0.107	0.437	-0.339	156.905	1.05
9259_9260	9259	9260	5.776	-18.993	0.107	-0.433	1.057	-67.795	1.05
9260_9260	9260	9260	-5.952	12.657	0.11	0.192	-1.048	67.8	1.05
9260_9261	9260	9261	9.317	-10.899	-0.11	-0.193	0.701	-44.146	1
9261_9261	9261	9261	-8.65	10.762	0.089	0.226	-0.53	42.886	1
9261_9262	9261	9262	16.883	-4.41	-0.089	-0.226	-0.487	9.04	1
9262_9262	9262	9262	-16.882	4.41	0.094	0.223	0.487	-9.047	1
9262_9263	9262	9263	18.447	1.062	-0.094	-0.223	-1.418	18.916	1
9263_9263	9263	9263	-18.451	-8.956	0.005	-0.008	1.418	-18.898	1
9263_9264	9263	9264	4.87	15.466	-0.005	0.008	-1.474	-66.757	1
9264_9264	9264	9264	-4.87	-15.466	0.008	0.005	1.474	66.757	1
9264_9265	9264	9265	-15.059	21.737	-0.008	-0.005	-1.564	-192.445	1
9265_9265	9265	9265	15.065	-29.439	-0.006	-0.222	1.564	192.5	1
9265_9266	9265	9266	-51.499	35.961	0.006	0.222	-1.497	-422.289	1
9266_9266	9266	9266	51.499	-35.961	-0.003	-0.146	1.497	422.292	1
9266_9267	9266	9267	-93.307	42.221	0.003	0.146	-1.468	-685.966	1
9267_9267	9267	9267	93.296	-49.936	-0.16	-0.495	1.468	686.134	1
9267_9268	9267	9268	-126.096	53.643	0.16	0.495	-0.401	-893.001	1
9268_9268	9268	9268	126.096	-53.643	-0.159	-0.442	0.401	893.003	1
9268_9269	9268	9269	-161.467	57.373	0.159	0.442	0.666	-1116.08	1.07
9269_9269	9269	9269	149.814	-57.409	-0.212	-0.33	-0.912	1216.275	1.07
9269_9270	9269	9270	-194.759	62.779	0.212	0.323	2.957	-1600.3	1.04
9270_9270	9270	9270	196.033	-69.693	-0.409	-1.191	-3.003	1600.755	1.04
9270_9271	9270	9271	-239.135	75.586	0.409	1.155	7.251	-2122.25	1.04
9271_9271	9271	9271	208.518	-76.376	-0.624	-1.166	-11.179	2312.063	1.04
9271_9272	9271	9272	-227.618	81.25	0.624	1.111	16.27	-2802.81	1.03
9272_9272	9272	9272	228.554	-80.978	-0.616	0.442	-16.189	2802.827	1.03
9272_9273	9272	9273	-236.138	84.139	0.616	-0.483	19.363	-3134.88	1.03
9273_9273	9273	9273	238.252	-92.008	1.131	-3.092	-19.711	3135.519	1.03
9273_9274	9273	9274	-249.082	99.517	-1.131	3.299	6.228	-4037.77	1.03
9274_9274	9274	9274	251.31	-99.322	1.145	-0.122	-5.956	4037.807	1.03
9274_9275	9274	9275	-248.675	107.81	-1.145	0.386	-9.062	-5137.51	1.02
9275_9275	9275	9275	-201.681	65.458	-1.598	0.538	37.433	1626.7	1.02
9275_9276	9275	9276	225.752	-62.712	1.598	-0.538	-29.632	-1407.96	1
9276_9276	9276	9276	-225.761	62.712	-1.506	0.87	29.632	1407.955	1
9276_9277	9276	9277	247.587	-60.115	1.506	-0.87	-22.675	-1209.62	1
9277_9277	9277	9277	-230.256	60.006	-1.249	1.255	20.58	1147.453	1
9277_9278	9277	9278	272.125	-54.837	1.249	-1.255	-9.078	-785.974	1
9278_9278	9278	9278	-272.07	50.634	-0.895	0	9.078	786.251	1
9278_9279	9278	9279	314.495	-44.161	0.895	0	1.037	-419.97	1
9279_9279	9279	9279	-314.511	44.161	-0.585	0.34	-1.037	419.966	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9279_9280	9279	9280	352.166	-37.49	0.585	-0.34	7.852	-94.862	1
9280_9280	9280	9280	-352.261	28.61	-1.031	0.226	-7.852	94.881	1
9280_9281	9280	9281	375.671	-21.907	1.031	-0.226	19.929	107.234	1
9281_9281	9281	9281	-375.689	21.907	-0.74	0.145	-19.929	-107.238	1
9281_9282	9281	9282	393.166	-15.071	0.74	-0.145	28.769	258.128	1
9282_9282	9282	9282	-415.237	4.93	1.167	0.225	-54.159	-156.48	1
9282_9283	9282	9283	417.052	0.605	-1.167	-0.225	39.681	176.048	1
9283_9283	9283	9283	-417.031	-0.605	1.818	-0.009	-39.681	-176.05	1
9283_9284	9283	9284	414.665	5.619	-1.818	0.009	19.251	150.545	1
9284_9284	9284	9284	-414.676	-15.316	1.796	0.053	-19.251	-150.557	1
9284_9285	9284	9285	402.635	19.835	-1.796	-0.053	1.064	20.725	1
9285_9285	9285	9285	-402.618	-19.835	2.199	0.036	-1.064	-20.725	1
9285_9286	9285	9286	388.707	24.02	-2.199	-0.036	-19.555	-129.272	1
9286_9286	9286	9286	-388.712	-36.522	-2.368	-4.192	19.555	129.314	1
9286_9287	9286	9287	378.525	38.317	2.368	4.192	-10.027	-239.157	1
9287_9287	9287	9287	-390.83	-38.381	-2.56	-4.701	10.499	264.844	1
9287_9288	9287	9288	365.562	42.626	2.56	4.701	13.818	-550.701	1.02
9288_9288	9288	9288	151.853	167.223	-5.116	7.666	-32.573	3753.059	1.02
9288_9289	9288	9289	-116.016	-161.834	5.116	-6.986	87.354	-2354.9	1.02
9289_9289	9289	9289	110.809	130.266	3.652	-1.654	-86.072	2356.082	1.02
9289_9290	9289	9290	-64.6	-124.496	-3.652	1.205	42.643	-1177.42	1.03
9290_9290	9290	9290	61.474	124.447	3.663	0.777	-42.711	1177.398	1.03
9290_9291	9290	9291	1.598	-118.999	-3.663	-1.077	0.236	-107.583	1.05
9291_9291	9291	9291	-4.172	106.204	-0.331	1.1	-0.212	107.579	1.05
9291_9292	9291	9292	26.929	-104.291	0.331	-1.094	1.586	219.435	1.14
9292_9292	9292	9292	-30.376	103.205	-0.217	0.583	-1.063	-205.551	1.14
9292_9293	9292	9293	82.212	-99.604	0.217	-0.579	2.802	771.601	1
9293_9293	9293	9293	-83.268	99.228	-0.21	0.31	-2.791	-771.606	1
9293_9294	9293	9294	132.629	-95.651	0.21	-0.31	4.47	1315.189	1
9294_9294	9294	9294	-132.676	81.506	-0.235	2.053	-4.47	-1315.45	1
9294_9295	9294	9295	153.162	-79.712	0.235	-2.053	5.412	1541.209	1
9295_9295	9295	9295	-133.559	80.363	-0.345	1.794	-8.336	-1651.86	1
9295_9296	9295	9296	176.337	-75.764	0.345	-1.794	11.851	2243.834	1
9296_9296	9296	9296	-176.339	75.764	-0.333	0.221	-11.851	-2243.84	1
9296_9297	9296	9297	209.186	-72.034	0.333	-0.221	14.605	2698.382	1
9297_9297	9297	9297	-209.174	59.388	0.321	2.999	-14.605	-2698.79	1
9297_9298	9297	9298	244.26	-54.111	-0.321	-2.999	10.912	3184.327	1
9298_9298	9298	9298	-244.258	54.111	0.338	-0.258	-10.912	-3184.34	1
9298_9299	9298	9299	273.938	-49.208	-0.338	0.258	7.299	3595.065	1
9299_9299	9299	9299	-273.986	35.426	0.154	3.181	-7.299	-3595.58	1
9299_9300	9299	9300	293.129	-30.467	-0.154	-3.181	5.636	3860.484	1
9300_9300	9300	9300	-293.128	30.467	0.17	-0.569	-5.636	-3860.5	1
9300_9301	9300	9301	312.093	-24.588	-0.17	0.569	3.455	4122.933	1
9301_9301	9301	9301	-312.131	10.166	0.137	3.16	-3.455	-4123.45	1
9301_9302	9301	9302	316.88	-4.722	-0.137	-3.16	1.832	4189.16	1
9302_9302	9302	9302	-316.879	4.722	0.157	-1.753	-1.832	-4189.17	1
9302_9303	9302	9303	318.158	0.676	-0.157	1.753	-0.008	4206.875	1
9303_9303	9303	9303	-318.206	-14.589	0.058	2.02	0.008	-4207.45	1
9303_9304	9303	9304	306.398	20.356	-0.058	-2.02	-0.741	4044.057	1
9304_9304	9304	9304	-306.398	-20.356	0.075	-2.056	0.741	-4044.06	1
9304_9305	9304	9305	292.798	25.427	-0.075	2.056	-1.572	3855.863	1
9305_9305	9305	9305	-292.837	-39.135	-0.018	1.762	1.572	-3856.32	1
9305_9306	9305	9306	268.064	44.208	0.018	-1.762	-1.368	3513.498	1
9306_9306	9306	9306	-268.064	-44.208	0.002	-2.538	1.368	-3513.49	1
9306_9307	9306	9307	236.264	49.971	-0.002	2.538	-1.393	3073.439	1
9307_9307	9307	9307	-236.318	-62.369	-0.456	-0.199	1.393	-3073.79	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9307_9308	9307	9308	194.674	67.829	0.456	0.199	4.028	2497.498	1
9308_9308	9308	9308	-194.676	-67.829	-0.443	-2.139	-4.028	-2497.49	1
9308_9309	9308	9309	150.282	73.202	0.443	2.139	9.211	1883.148	1
9309_9309	9309	9309	-150.316	-84.917	-0.746	-1.507	-9.211	-1883.3	1
9309_9310	9309	9310	93.992	90.401	0.746	1.507	18.123	1103.855	1
9310_9310	9310	9310	-93.997	-90.401	-0.729	-2.615	-18.123	-1103.83	1
9310_9311	9310	9311	35.644	95.751	0.729	2.615	26.621	296.321	1
9311_9311	9311	9311	-35.147	-101.103	8.025	-3.81	-26.621	-296.226	1
9311_9312	9311	9312	16.968	102.627	-8.025	3.81	0	44.663	1
9400_9020	9400	9020	486.789	-63.809	29.512	0.823	-173.148	-1194.63	1.02
9400_9401	9400	9401	-486.789	63.809	-29.512	-0.823	52.43	933.619	1
9401_9401	9401	9401	486.724	-62.95	5.399	0.267	-50.184	-933.653	1
9401_9402	9401	9402	-486.724	62.95	-5.399	-0.267	31.337	713.916	1
9402_9402	9402	9402	488.117	-51.129	4.456	-0.396	-31.739	-713.898	1
9402_9403	9402	9403	-488.117	51.129	-4.456	0.396	-16.913	155.654	1
9403_9403	9403	9403	498.897	-35.935	-0.939	-0.09	18.396	-155.649	1
9403_9404	9403	9404	-498.897	35.935	0.939	0.09	-11.628	-103.448	1
9404_9404	9404	9404	499.598	-24.316	-1.233	-0.298	11.644	103.446	1
9404_9405	9404	9405	-499.598	24.316	1.233	0.298	-2.753	-278.847	1
9405_9405	9405	9405	506.478	-6.543	-0.367	-0.098	4.953	278.851	1
9405_9406	9405	9406	-506.478	6.543	0.367	0.098	0.332	-373.145	1
9406_9406	9406	9406	509.39	11.58	-0.028	-0.103	2.223	373.146	1
9406_9407	9406	9407	-509.39	-11.58	0.028	0.103	-1.975	-270.624	1
9407_9407	9407	9407	509.045	22.027	-0.365	0.032	2.053	270.623	1
9407_9408	9407	9408	-509.045	-22.027	0.365	-0.032	-0.024	-148.208	1
9408_9408	9408	9408	503.777	-85.535	-0.749	-0.731	0.141	148.209	1
9408_9409	9408	9409	-503.777	85.535	0.749	0.731	2.129	-407.39	1
9409_9409	9409	9409	503.149	82.036	-0.804	0.515	-2.082	407.519	1
9409_9410	9409	9410	-503.149	-82.036	0.804	-0.515	4.51	-159.736	1
9410_9410	9410	9410	505.24	-24.796	1.058	-0.363	-4.157	159.738	1
9410_9411	9410	9411	-505.24	24.796	-1.058	0.363	-1.72	-297.539	1
9411_9411	9411	9411	505.642	-14.476	0.243	0.075	1.506	297.541	1
9411_9412	9411	9412	-505.642	14.476	-0.243	-0.075	-3.659	-425.671	1
9412_9412	9412	9412	500.067	3.791	0.107	-0.044	1.318	425.674	1
9412_9413	9412	9413	-500.067	-3.791	-0.107	0.044	-2.863	-371	1
9413_9413	9413	9413	490.918	21.219	0.79	0.03	0.962	370.997	1
9413_9414	9413	9414	-490.918	-21.219	-0.79	-0.03	-6.657	-218.018	1
9414_9414	9414	9414	490.293	32.621	0.438	0.036	6.604	218.019	1
9414_9415	9414	9415	-490.293	-32.621	-0.438	-0.036	-9.756	17.016	1
9415_9415	9415	9415	476.22	47.765	-0.189	0.056	8.242	-17.016	1
9415_9416	9415	9416	-476.22	-47.765	0.189	-0.056	-6.176	538.434	1
9416_9416	9416	9416	474.895	59.514	0.039	0.171	6.105	-538.435	1
9416_9417	9416	9417	-474.895	-59.514	-0.039	-0.171	-6.241	746.497	1
9417_9417	9417	9417	474.904	60.759	-20.026	-0.414	5.728	-746.504	1
9417_9036	9417	9036	-474.904	-60.759	20.026	0.414	76.276	995.31	1.01
9420_9056	9420	9056	426.2	-58.513	24.033	0.544	-105.378	-1095.86	1.01
9420_9421	9420	9421	-426.2	58.513	-24.033	-0.544	6.922	856.149	1
9421_9421	9421	9421	426.163	-57.287	1.249	0.254	-5.68	-856.141	1
9421_9422	9421	9422	-426.163	57.287	-1.249	-0.254	1.322	656.314	1
9422_9422	9422	9422	427.415	-47.051	0.923	-0.232	-1.467	-656.314	1
9422_9423	9422	9423	-427.415	47.051	-0.923	0.232	-8.617	142.47	1
9423_9423	9423	9423	438.416	-33.628	-0.531	-0.057	10.476	-142.465	1
9423_9424	9423	9424	-438.416	33.628	0.531	0.057	-6.649	-99.88	1
9424_9424	9424	9424	439.079	-23.416	-0.9	-0.126	6.676	99.879	1
9424_9425	9424	9425	-439.079	23.416	0.9	0.126	-0.188	-268.712	1
9425_9425	9425	9425	444.952	-7.933	-0.25	-0.026	2.72	268.714	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9425_9426	9425	9426	-444.952	7.933	0.25	0.026	0.889	-383.059	1
9426_9426	9426	9426	447.417	7.98	0.013	-0.117	1.848	383.06	1
9426_9427	9426	9427	-447.417	-7.98	-0.013	0.117	-1.962	-312.391	1
9427_9427	9427	9427	447.161	17.113	-0.568	0.241	2.142	312.39	1
9427_9428	9427	9428	-447.161	-17.113	0.568	-0.241	1.013	-217.239	1
9428_9428	9428	9428	441.974	-76.863	0.221	-0.671	-1.239	217.237	1
9428_9429	9428	9429	-441.974	76.863	-0.221	0.671	0.572	-449.455	1
9429_9429	9429	9429	442.188	77.575	-1.518	0.567	-0.548	449.663	1
9429_9430	9429	9430	-442.188	-77.575	1.518	-0.567	5.133	-215.348	1
9430_9430	9430	9430	444.461	-16.318	0.753	-0.192	-4.722	215.348	1
9430_9431	9430	9431	-444.461	16.318	-0.753	0.192	0.538	-306.076	1
9431_9431	9431	9431	444.702	-7.269	0.32	0.114	-0.67	306.076	1
9431_9432	9431	9432	-444.702	7.269	-0.32	-0.114	-2.165	-370.434	1
9432_9432	9432	9432	439.194	8.691	0.225	0.04	-0.284	370.434	1
9432_9433	9432	9433	-439.194	-8.691	-0.225	-0.04	-2.968	-245.105	1
9433_9433	9433	9433	430.205	23.942	0.579	0.149	0.701	245.102	1
9433_9434	9433	9434	-430.205	-23.942	-0.579	-0.149	-4.877	-72.556	1
9434_9434	9434	9434	429.518	34.123	0.344	0.075	4.866	72.557	1
9434_9435	9434	9435	-429.518	-34.123	-0.344	-0.075	-7.345	173.544	1
9435_9435	9435	9435	416.449	47.185	-0.937	0.38	5.693	-173.551	1
9435_9436	9435	9436	-416.449	-47.185	0.937	-0.38	4.534	688.529	1
9436_9436	9436	9436	415.155	57.453	-1.592	-0.637	-4.223	-688.53	1
9436_9437	9436	9437	-415.155	-57.453	1.592	0.637	9.789	889.332	1
9437_9437	9437	9437	415.266	58.302	-21.478	-0.423	-11.349	-889.332	1
9437_9072	9437	9072	-415.266	-58.302	21.478	0.423	99.264	1127.979	1.01
9440_9094	9440	9094	467.426	-55.404	21.058	0.506	-90.534	-880.619	1
9440_9441	9440	9441	-467.426	55.404	-21.058	-0.506	4.242	653.582	1
9441_9441	9441	9441	467.223	-54.071	0.709	-0.043	-2.457	-653.572	1
9441_9442	9441	9442	-467.223	54.071	-0.709	0.043	-0.017	464.837	1
9442_9442	9442	9442	468.396	-42.73	0.546	-0.208	-0.033	-464.837	1
9442_9443	9442	9443	-468.396	42.73	-0.546	0.208	-5.934	-1.695	1
9443_9443	9443	9443	478.499	-27.946	-0.661	-0.058	8.465	1.699	1
9443_9444	9443	9444	-478.499	27.946	0.661	0.058	-3.705	-202.963	1
9444_9444	9444	9444	479.011	-17.03	-0.565	-0.184	3.688	202.963	1
9444_9445	9444	9445	-479.011	17.03	0.565	0.184	0.39	-325.844	1
9445_9445	9445	9445	484.041	-0.049	-0.391	-0.036	2.846	325.847	1
9445_9446	9445	9446	-484.041	0.049	0.391	0.036	2.79	-326.552	1
9446_9446	9446	9446	485.795	17.233	0.826	-0.101	0.42	326.554	1
9446_9447	9446	9447	-485.795	-17.233	-0.826	0.101	-7.733	-173.898	1
9447_9447	9447	9447	485.317	27.597	-0.411	0.166	7.928	173.889	1
9447_9448	9447	9448	-485.317	-27.597	0.411	-0.166	-5.645	-20.707	1
9448_9448	9448	9448	480.513	-74.907	-0.137	0.844	5.84	20.713	1
9448_9449	9448	9449	-480.513	74.907	0.137	-0.844	-5.427	-247.275	1
9449_9449	9449	9449	480.464	74.697	0.275	-0.94	5.448	247.26	1
9449_9450	9449	9450	-480.464	-74.697	-0.275	0.94	-6.279	-21.332	1
9450_9450	9450	9450	483.975	-27.391	-0.416	0.047	6.248	21.338	1
9450_9451	9450	9451	-483.975	27.391	0.416	-0.047	-3.937	-173.627	1
9451_9451	9451	9451	484.436	-17.434	-0.264	-0.088	3.96	173.627	1
9451_9452	9451	9452	-484.436	17.434	0.264	0.088	-1.623	-328.06	1
9452_9452	9452	9452	481.472	-0.205	0.266	0.001	-1.613	328.057	1
9452_9453	9452	9453	-481.472	0.205	-0.266	-0.001	-2.22	-331.017	1
9453_9453	9453	9453	475.37	16.503	0.58	0.101	-0.836	331.014	1
9453_9454	9453	9454	-475.37	-16.503	-0.58	-0.101	-3.342	-212.117	1
9454_9454	9454	9454	474.846	27.763	0.466	0.073	3.327	212.117	1
9454_9455	9454	9455	-474.846	-27.763	-0.466	-0.073	-6.685	-11.953	1
9455_9455	9455	9455	463.208	42.384	0.23	0.265	4.198	11.949	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9455_9456	9455	9456	-463.208	-42.384	-0.23	-0.265	-6.715	451.067	1
9456_9456	9456	9456	462.058	53.479	-0.187	-0.316	6.832	-451.065	1
9456_9457	9456	9457	-462.058	-53.479	0.187	0.316	-6.179	637.667	1
9457_9457	9457	9457	462.297	54.749	-18.806	-0.347	4.222	-637.671	1
9457_9110	9457	9110	-462.297	-54.749	18.806	0.347	72.81	861.935	1.01
9460_9132	9460	9132	411.624	-55.744	15.721	0.191	-60.165	-1035.31	1.03
9460_9461	9460	9461	-411.624	55.744	-15.721	-0.191	-4.208	807.048	1
9461_9461	9461	9461	411.274	-54.704	-0.678	-0.581	6.394	-807.043	1
9461_9462	9461	9462	-411.274	54.704	0.678	0.581	-4.029	616.23	1
9462_9462	9462	9462	412.468	-44.82	-0.312	-0.113	4.179	-616.23	1
9462_9463	9462	9463	-412.468	44.82	0.312	0.113	-0.768	126.772	1
9463_9463	9463	9463	417.766	-31.742	-0.423	-0.161	3.388	-126.77	1
9463_9464	9463	9464	-417.766	31.742	0.423	0.161	-0.337	-101.996	1
9464_9464	9464	9464	418.391	-22.023	-0.423	-0.169	0.333	101.996	1
9464_9465	9464	9465	-418.391	22.023	0.423	0.169	2.72	-260.808	1
9465_9465	9465	9465	420.746	-6.89	-0.224	-0.081	0.096	260.808	1
9465_9466	9465	9466	-420.746	6.89	0.224	0.081	3.127	-360.079	1
9466_9466	9466	9466	421.262	8.361	0.482	-0.112	-0.29	360.083	1
9466_9467	9466	9467	-421.262	-8.361	-0.482	0.112	-3.983	-285.979	1
9467_9467	9467	9467	420.993	17.212	0.003	0.124	4.127	285.977	1
9467_9468	9467	9468	-420.993	-17.212	-0.003	-0.124	-4.142	-190.325	1
9468_9468	9468	9468	414.769	-70.568	-0.66	1.287	4.165	190.325	1
9468_9469	9468	9469	-414.769	70.568	0.66	-1.287	-2.171	-403.646	1
9469_9469	9469	9469	411.237	69.733	0.422	-1.3	1.973	393.298	1
9469_9470	9469	9470	-411.237	-69.733	-0.422	1.3	-3.25	-182.498	1
9470_9470	9470	9470	417.796	-17.251	-0.498	0.214	3.255	182.498	1
9470_9471	9470	9471	-417.796	17.251	0.498	-0.214	-0.486	-278.369	1
9471_9471	9471	9471	418.063	-8.656	-0.022	-0.11	0.627	278.369	1
9471_9472	9471	9472	-418.063	8.656	0.022	0.11	-0.434	-355.006	1
9472_9472	9472	9472	417.95	6.678	0.323	0.077	-2.57	355.003	1
9472_9473	9472	9473	-417.95	-6.678	-0.323	-0.077	-2.09	-258.717	1
9473_9473	9473	9473	414.822	21.397	0.408	0.179	-0.751	258.715	1
9473_9474	9473	9474	-414.822	-21.397	-0.408	-0.179	-2.194	-104.422	1
9474_9474	9474	9474	414.213	31.033	0.408	0.128	2.198	104.422	1
9474_9475	9474	9475	-414.213	-31.033	-0.408	-0.128	-5.141	119.231	1
9475_9475	9475	9475	405.917	43.736	0.563	0.339	2.746	-119.235	1
9475_9476	9475	9476	-405.917	-43.736	-0.563	-0.339	-8.89	596.851	1
9476_9476	9476	9476	404.751	53.462	0.203	-0.425	9.043	-596.849	1
9476_9477	9476	9477	-404.751	-53.462	-0.203	0.425	-9.75	783.331	1
9477_9477	9477	9477	404.976	54.502	-18.449	-0.352	8.218	-783.333	1
9477_9148	9477	9148	-404.976	-54.502	18.449	0.352	67.327	1006.505	1
9480_9168	9480	9168	400.427	-58.21	19.435	0.511	-79.528	-1148.56	1
9480_9481	9480	9481	-400.427	58.21	-19.435	-0.511	-0.052	910.21	1
9481_9481	9481	9481	400.246	-57.35	0.187	-0.159	1.078	-910.208	1
9481_9482	9481	9482	-400.246	57.35	-0.187	0.159	-1.733	709.613	1
9482_9482	9482	9482	401.554	-47.331	0.187	-0.202	1.729	-709.613	1
9482_9483	9482	9483	-401.554	47.331	-0.187	0.202	-3.772	193.197	1
9483_9483	9483	9483	408.472	-34.94	-0.225	-0.197	5.973	-193.192	1
9483_9484	9483	9484	-408.472	34.94	0.225	0.197	-4.351	-58.621	1
9484_9484	9484	9484	409.173	-25.436	-0.776	-0.217	4.374	58.619	1
9484_9485	9484	9485	-409.173	25.436	0.776	0.217	1.222	-242.043	1
9485_9485	9485	9485	411.308	-10.904	-0.287	-0.141	1.277	242.048	1
9485_9486	9485	9486	-411.308	10.904	0.287	0.141	2.859	-399.265	1
9486_9486	9486	9486	410.137	4.233	0.246	0.206	-0.073	399.269	1
9486_9487	9486	9487	-410.137	-4.233	-0.246	-0.206	-2.107	-361.788	1
9487_9487	9487	9487	409.962	12.666	0.994	-0.488	1.812	361.789	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9487_9488	9487	9488	-409.962	-12.666	-0.994	0.488	-7.338	-291.4	1
9488_9488	9488	9488	400.897	-72.171	-1.594	2.227	7.682	291.394	1
9488_9489	9488	9489	-400.897	72.171	1.594	-2.227	-2.865	-509.561	1
9489_9489	9489	9489	399.084	72.319	0.409	-2.244	6.232	503.847	1
9489_9490	9489	9490	-399.084	-72.319	-0.409	2.244	-7.469	-285.231	1
9490_9490	9490	9490	407.538	-12.111	-0.815	0.32	7.419	285.23	1
9490_9491	9490	9491	-407.538	12.111	0.815	-0.32	-2.89	-352.534	1
9491_9491	9491	9491	407.703	-3.544	-0.353	-0.139	3.069	352.533	1
9491_9492	9491	9492	-407.703	3.544	0.353	0.139	0.061	-383.944	1
9492_9492	9492	9492	408.061	11.205	0.241	0.138	-2.793	383.94	1
9492_9493	9492	9493	-408.061	-11.205	-0.241	-0.138	-0.679	-222.497	1
9493_9493	9493	9493	405.255	25.719	0.82	0.229	-1.628	222.496	1
9493_9494	9493	9494	-405.255	-25.719	-0.82	-0.229	-4.283	-37.034	1
9494_9494	9494	9494	404.548	35.132	0.27	0.181	4.27	37.035	1
9494_9495	9494	9495	-404.548	-35.132	-0.27	-0.181	-6.219	216.156	1
9495_9495	9495	9495	396.211	47.626	0.196	0.383	4.226	-216.161	1
9495_9496	9495	9496	-396.211	-47.626	-0.196	-0.383	-6.369	736.713	1
9496_9496	9496	9496	395.011	56.724	-0.154	-0.442	6.558	-736.711	1
9496_9497	9496	9497	-395.011	-56.724	0.154	0.442	-6.024	934.021	1
9497_9497	9497	9497	395.095	58.007	-21.012	-0.503	4.792	-934.025	1
9497_9184	9497	9184	-395.095	-58.007	21.012	0.503	81.245	1171.546	1.02
9500_9204	9500	9204	438.479	-62.276	24.246	0.921	-110.297	-1206.82	1.01
9500_9501	9500	9501	-438.479	62.276	-24.246	-0.921	11.019	951.818	1
9501_9501	9501	9501	438.559	-61.303	2.228	1.405	-9.384	-951.832	1
9501_9502	9501	9502	-438.559	61.303	-2.228	-1.405	1.612	737.999	1
9502_9502	9502	9502	439.908	-50.762	1.018	-0.658	-2.193	-737.998	1
9502_9503	9502	9503	-439.908	50.762	-1.018	0.658	-8.922	183.657	1
9503_9503	9503	9503	451.405	-36.987	-0.981	-0.118	10.115	-183.647	1
9503_9504	9503	9504	-451.405	36.987	0.981	0.118	-3.043	-82.919	1
9504_9504	9504	9504	452.144	-26.485	-0.367	-0.304	2.999	82.92	1
9504_9505	9504	9505	-452.144	26.485	0.367	0.304	-0.351	-273.904	1
9505_9505	9505	9505	459.352	-10.407	-0.178	-0.094	2.062	273.908	1
9505_9506	9505	9506	-459.352	10.407	0.178	0.094	0.505	-423.852	1
9506_9506	9506	9506	463.643	5.792	0.465	-0.143	1.596	423.851	1
9506_9507	9506	9507	-463.643	-5.792	-0.465	0.143	-5.716	-372.515	1
9507_9507	9507	9507	463.42	15.533	-0.177	0.245	5.945	372.511	1
9507_9508	9507	9508	-463.42	-15.533	0.177	-0.245	-4.962	-286.187	1
9508_9508	9508	9508	458.599	-82.253	-0.226	0.574	5.197	286.18	1
9508_9509	9508	9509	-458.599	82.253	0.226	-0.574	-4.515	-534.829	1
9509_9509	9509	9509	458.668	82.598	1.348	-0.472	4.492	534.771	1
9509_9510	9509	9510	-458.668	-82.598	-1.348	0.472	-8.566	-285.083	1
9510_9510	9510	9510	464.854	-15.309	-0.052	-0.224	7.9	285.096	1
9510_9511	9510	9511	-464.854	15.309	0.052	0.224	-7.609	-370.177	1
9511_9511	9511	9511	465.069	-5.743	-0.881	0.275	7.318	370.183	1
9511_9512	9511	9512	-465.069	5.743	0.881	-0.275	0.479	-421.037	1
9512_9512	9512	9512	462.396	10.7	0.359	0.157	-2.581	421.036	1
9512_9513	9512	9513	-462.396	-10.7	-0.359	-0.157	-2.589	-266.852	1
9513_9513	9513	9513	456.689	26.797	0.988	0.367	0.547	266.852	1
9513_9514	9513	9514	-456.689	-26.797	-0.988	-0.367	-7.669	-73.597	1
9514_9514	9514	9514	455.942	37.403	1.037	0.18	7.679	73.597	1
9514_9515	9514	9515	-455.942	-37.403	-1.037	-0.18	-15.155	195.998	1
9515_9515	9515	9515	445.368	51.355	-1.856	0.275	14.301	-196.004	1
9515_9516	9515	9516	-445.368	-51.355	1.856	-0.275	5.974	756.921	1
9516_9516	9516	9516	444.006	62.025	-2.159	-0.117	-5.822	-756.922	1
9516_9517	9516	9517	-444.006	-62.025	2.159	0.117	13.354	973.317	1
9517_9517	9517	9517	443.553	63.534	-29.375	-1.42	-13.682	-973.335	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9517_9220	9517	9220	-443.553	-63.534	29.375	1.42	133.992	1233.551	1
9520_9240	9520	9240	314.304	-60.471	4.035	3.655	-61.102	-1498.29	1
9520_9521	9520	9521	-314.304	60.471	-4.035	-3.655	44.606	1251.092	1
9521_9521	9521	9521	314.434	-60.016	2.708	-0.41	-44.194	-1251.37	1
9521_9522	9521	9522	-314.434	60.016	-2.708	0.41	34.745	1041.931	1
9522_9522	9522	9522	315.781	-52.466	2.731	0.502	-34.722	-1041.93	1
9522_9523	9522	9523	-315.781	52.466	-2.731	-0.502	4.886	468.67	1
9523_9523	9523	9523	326.884	-42.973	0.6	-0.185	-4.742	-468.499	1
9523_9524	9523	9524	-326.884	42.973	-0.6	0.185	0.419	158.979	1
9524_9524	9524	9524	327.794	-35.375	-0.024	-0.49	-0.535	-158.978	1
9524_9525	9524	9525	-327.794	35.375	0.024	0.49	0.709	-95.998	1
9525_9525	9525	9525	338.635	-24.3	-0.199	-0.435	-0.066	96.021	1
9525_9526	9525	9526	-338.635	24.3	0.199	0.435	2.93	-446.47	1
9526_9526	9526	9526	346.48	-12.334	-0.177	-0.931	-1.689	446.137	1
9526_9527	9526	9527	-346.48	12.334	0.177	0.931	3.256	-555.295	1
9527_9527	9527	9527	346.655	-5.374	-1.217	0.813	-2.503	555.299	1
9527_9528	9527	9528	-346.655	5.374	1.217	-0.813	9.273	-585.184	1
9528_9528	9528	9528	342.049	-78.846	1.713	-2.672	-9.873	585.1	1
9528_9529	9528	9529	-342.049	78.846	-1.713	2.672	4.688	-823.699	1
9529_9529	9529	9529	341.617	76.684	0.164	2.237	-4.593	823.194	1
9529_9530	9529	9530	-341.617	-76.684	-0.164	-2.237	4.097	-591.81	1
9530_9530	9530	9530	347.253	3.803	1.322	-0.622	-4.359	591.392	1
9530_9531	9530	9531	-347.253	-3.803	-1.322	0.622	-2.992	-570.24	1
9531_9531	9531	9531	347.106	10.841	0.675	0.395	2.511	570.242	1
9531_9532	9531	9532	-347.106	-10.841	-0.675	-0.395	-8.485	-474.238	1
9532_9532	9532	9532	343.009	23.053	-0.38	0.266	7.264	474.113	1
9532_9533	9532	9533	-343.009	-23.053	0.38	-0.266	-1.784	-141.906	1
9533_9533	9533	9533	336.111	35.04	0.537	0.765	1.125	141.984	1
9533_9534	9533	9534	-336.111	-35.04	-0.537	-0.765	-4.999	110.635	1
9534_9534	9534	9534	335.2	42.888	-0.556	0.272	5.138	-110.631	1
9534_9535	9534	9535	-335.2	-42.888	0.556	-0.272	-1.131	419.767	1
9535_9535	9535	9535	322.589	53.264	3.332	1.184	1.124	-419.509	1
9535_9536	9535	9536	-322.589	-53.264	-3.332	-1.184	-37.524	1001.392	1
9536_9536	9536	9536	321.224	60.985	2.718	-1.731	38.079	-1001.37	1
9536_9537	9536	9537	-321.224	-60.985	-2.718	1.731	-47.565	1214.181	1
9537_9537	9537	9537	323.541	60.496	-11.829	-8.995	48.504	-1215.23	1
9537_9254	9537	9254	-323.541	-60.496	11.829	8.995	-0.119	1462.691	1.01
9540_9275	9540	9275	557.178	-71.85	28.202	4.498	-199.814	-1096.4	1.02
9540_9541	9540	9541	-557.178	71.85	-28.202	-4.498	84.368	802.276	1
9541_9541	9541	9541	565.851	-67.936	7.168	0.073	-82.85	-803.954	1
9541_9542	9541	9542	-565.851	67.936	-7.168	-0.073	57.845	566.969	1
9542_9542	9542	9542	567.333	-54.338	5.82	0.075	-58.233	-566.929	1
9542_9543	9542	9543	-567.333	54.338	-5.82	-0.075	-5.325	-26.517	1
9543_9543	9543	9543	579.017	-35.774	-0.121	-0.585	6.222	26.412	1
9543_9544	9543	9544	-579.017	35.774	0.121	0.585	-5.354	-284.16	1
9544_9544	9544	9544	579.68	-22.586	-0.68	-0.429	5.437	284.158	1
9544_9545	9544	9545	-579.68	22.586	0.68	0.429	-0.526	-447.21	1
9545_9545	9545	9545	588.072	-2.048	-0.099	-0.43	1.984	446.785	1
9545_9546	9545	9546	-588.072	2.048	0.099	0.43	-0.563	-476.297	1
9546_9546	9546	9546	591.899	18.51	1.418	-0.212	2.049	475.921	1
9546_9547	9546	9547	-591.899	-18.51	-1.418	0.212	-14.6	-312.038	1
9547_9547	9547	9547	591.414	30.312	0.799	-0.184	14.739	312.031	1
9547_9548	9547	9548	-591.414	-30.312	-0.799	0.184	-19.183	-143.351	1
9548_9548	9548	9548	586.191	-93.638	-0.476	0.703	19.583	142.105	1
9548_9549	9548	9549	-586.191	93.638	0.476	-0.703	-18.148	-424.425	1
9549_9549	9549	9549	589.217	96.7	-0.849	-0.599	18.169	425.962	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
9549_9550	9549	9550	-589.217	-96.7	0.849	0.599	-15.639	-137.683	1
9550_9550	9550	9550	592.259	-32.663	1.742	-0.17	15.339	136.672	1
9550_9551	9550	9551	-592.259	32.663	-1.742	0.17	-25.196	-321.509	1
9551_9551	9551	9551	592.856	-19.036	-0.161	0.267	24.726	321.546	1
9551_9552	9551	9552	-592.856	19.036	0.161	-0.267	-23.369	-481.833	1
9552_9552	9552	9552	587.387	4.989	-0.011	0.117	22.249	481.887	1
9552_9553	9552	9553	-587.387	-4.989	0.011	-0.117	-22.09	-411.613	1
9553_9553	9553	9553	578.589	27.132	-1.143	0.661	21.125	411.599	1
9553_9554	9553	9554	-578.589	-27.132	1.143	-0.661	-13.077	-220.613	1
9554_9554	9554	9554	577.704	41.959	-0.978	0.26	13.111	220.612	1
9554_9555	9554	9555	-577.704	-41.959	0.978	-0.26	-6.227	74.817	1
9555_9555	9555	9555	563.661	62.882	-0.966	0.763	6.501	-74.459	1
9555_9556	9555	9556	-563.661	-62.882	0.966	-0.763	3.796	744.628	1
9556_9556	9556	9556	561.739	78.208	-1.569	0.036	-3.556	-744.629	1
9556_9557	9556	9557	-561.739	-78.208	1.569	-0.036	8.924	1012.181	1
9557_9557	9557	9557	564.064	81.238	-10.599	-8.102	-8.068	-1014.5	1
9557_9288	9557	9288	-564.064	-81.238	10.599	8.102	67.396	1469.234	1.02
49000_9000	49000	9000	-2.33	77.031	3.163	12.806	0	-20.49	1
49000_9001	49000	9001	2.33	-72.823	-3.163	-12.806	-26.252	642.388	1
49001_9001	49001	9001	-2.326	72.823	3.166	11.908	26.252	-642.406	1
49001_9002	49001	9002	2.326	-68.314	-3.166	-11.908	-54.411	1270.046	1
49002_9002	49002	9002	-2.323	64.091	-2.708	11.342	54.411	-1270.05	1
49002_9003	49002	9003	2.323	-57.965	2.708	-11.342	-21.686	2007.466	1
49003_9003	49003	9003	-2.328	57.965	-2.704	7.826	21.686	-2007.48	1
49003_9004	49003	9004	2.328	-51.835	2.704	-7.826	11.01	2671.245	1
49004_9004	49004	9004	-2.328	43.172	0.271	9.001	-11.01	-2671.25	1
49004_9005	49004	9005	2.328	-37.047	-0.271	-9.001	7.736	3155.74	1
49005_9005	49005	9005	-2.327	37.047	0.275	3.476	-7.736	-3155.75	1
49005_9006	49005	9006	2.327	-30.92	-0.275	-3.476	4.41	3566.489	1
49006_9006	49006	9006	-2.327	22.248	0.22	4.95	-4.41	-3566.49	1
49006_9007	49006	9007	2.327	-16.121	-0.22	-4.95	1.749	3798.337	1
49007_9007	49007	9007	-2.327	16.121	0.222	1.834	-1.749	-3798.34	1
49007_9008	49007	9008	2.327	-9.994	-0.222	-1.834	-0.936	3956.125	1
49008_9008	49008	9008	-2.327	1.012	-0.016	-0.239	0.936	-3956.13	1
49008_9009	49008	9009	2.327	5.117	0.016	0.239	-0.741	3931.311	1
49009_9009	49009	9009	-2.327	-5.117	-0.016	0.178	0.741	-3931.31	1
49009_9010	49009	9010	2.327	11.242	0.016	-0.178	-0.544	3832.503	1
49010_9010	49010	9010	-2.326	-20.515	0.421	0.048	0.544	-3832.5	1
49010_9011	49010	9011	2.326	26.643	-0.421	-0.048	-5.635	3547.495	1
49011_9011	49011	9011	-2.326	-26.643	0.425	-5.776	5.635	-3547.49	1
49011_9012	49011	9012	2.326	32.77	-0.425	5.776	-10.772	3188.491	1
49012_9012	49012	9012	-2.326	-41.707	-0.047	-2.947	10.772	-3188.49	1
49012_9013	49012	9013	2.326	47.833	0.047	2.947	-10.203	2647.509	1
49013_9013	49013	9013	-2.326	-47.833	-0.043	-7.296	10.203	-2647.5	1
49013_9014	49013	9014	2.326	53.959	0.043	7.296	-9.68	2032.626	1
49014_9014	49014	9014	-2.326	-62.626	-0.442	-5.811	9.68	-2032.62	1
49014_9015	49014	9015	2.326	70.508	0.442	5.811	-2.806	997.815	1
49015_9015	49015	9015	-1.697	-70.526	-0.438	-7.165	2.742	-999.145	1
49015_9016	49015	9016	1.659	74.708	0.438	7.165	0.875	400.059	1
49016_9016	49016	9016	-0.153	-82.048	-3.763	-7.391	-1.004	-400.061	1
49016_9017	49016	9017	-0.001	87.937	3.763	7.391	45.254	-599.353	1.06
49017_9017	49017	9017	2.171	-87.911	-3.758	-5.285	-45.373	599.594	1.06
49017_9018	49017	9018	-2.508	94.55	3.758	5.285	95.239	-1810.15	1.03
49018_9018	49018	9018	5.394	-101.828	5.762	-10.15	-95.898	1810.088	1.03
49018_9019	49018	9019	-5.871	108.089	-5.762	10.15	23.689	-3125.42	1.02
49019_9019	49019	9019	8.72	-107.896	5.766	-4.294	-23.409	3125.439	1.02

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
49019_9020	49019	9020	-9.364	114.16	-5.766	4.294	-49.065	-4520.97	1.02
49020_9020	49020	9020	-456.907	31.096	-9.769	0.207	216.897	562.977	1.02
49020_9021	49020	9021	456.907	-26.335	9.769	-0.207	-124.061	-290.101	1
49021_9021	49021	9021	-456.929	26.335	-8.717	2.982	124.061	179.674	1
49021_9022	49021	9022	456.929	-22.458	8.717	-2.982	-56.596	9.132	1
49022_9022	49022	9022	-456.92	22.458	-9.17	2.991	56.596	-9.129	1
49022_9023	49022	9023	456.92	-18.57	9.17	-2.991	14.565	168.319	1
49023_9023	49023	9023	-456.955	14.009	-1.429	-0.048	-14.565	-168.331	1
49023_9024	49023	9024	456.955	-10.001	1.429	0.048	25.996	264.365	1
49024_9024	49024	9024	-456.955	10.001	-1.429	-0.048	-25.996	-264.365	1
49024_9025	49024	9025	456.955	-5.993	1.429	0.048	37.426	328.338	1
49025_9025	49025	9025	-456.957	5.993	-0.861	-0.456	-37.426	-328.338	1
49025_9026	49025	9026	456.957	-1.986	0.861	0.456	44.314	360.247	1
49026_9026	49026	9026	-456.957	-4.158	-0.862	-0.361	-44.314	-360.247	1
49026_9027	49026	9027	456.957	7.162	0.862	0.361	49.482	326.309	1
49027_9027	49027	9027	-456.957	-7.162	-0.022	-0.961	-49.482	-326.308	1
49027_9028	49027	9028	456.957	10.17	0.022	0.961	49.612	274.266	1
49028_9028	49028	9028	-456.957	-10.17	-0.104	-0.912	-49.612	-274.266	1
49028_9029	49028	9029	456.957	13.174	0.104	0.912	50.237	204.286	1
49029_9029	49029	9029	-456.957	-13.174	-0.022	-0.949	-50.237	-204.286	1
49029_9030	49029	9030	456.957	16.183	0.022	0.949	50.368	116.138	1
49030_9030	49030	9030	-456.958	-22.401	0.275	-1.593	-50.368	-116.135	1
49030_9031	49030	9031	456.958	26.406	-0.275	1.593	48.173	-78.979	1
49031_9031	49031	9031	-456.958	-26.406	0.275	-1.593	-48.173	78.979	1
49031_9032	49031	9032	456.958	30.412	-0.275	1.593	45.978	-306.12	1
49032_9032	49032	9032	-456.957	-30.412	0.903	-1.172	-45.978	306.122	1
49032_9033	49032	9033	456.957	34.422	-0.903	1.172	38.751	-565.595	1
49033_9033	49033	9033	-456.941	-39.482	4.905	-4.945	-38.751	565.612	1
49033_9034	49033	9034	456.941	43.365	-4.905	4.945	0.722	-886.745	1
49034_9034	49034	9034	-456.941	-43.365	4.905	-4.945	-0.722	886.745	1
49034_9035	49034	9035	456.941	47.249	-4.905	4.945	-37.307	-1237.99	1
49035_9035	49035	9035	-456.928	-47.249	5.996	-0.5	37.307	1351.481	1
49035_9036	49035	9036	456.928	52.009	-5.996	0.5	-94.269	-1822.94	1.01
49036_9036	49036	9036	-2.682	100.916	-3.589	-2.625	20.776	5892.022	1.01
49036_9037	49036	9037	3.327	-94.656	3.589	2.625	24.315	-4663.65	1.02
49037_9037	49037	9037	-5.833	94.536	-3.557	9.498	-25.252	4663.636	1.02
49037_9038	49037	9038	6.312	-88.272	3.557	-9.498	69.858	-3517.52	1.02
49038_9038	49038	9038	-8.827	81.691	1.311	0.764	-69.06	3517.628	1.02
49038_9039	49038	9039	9.165	-75.055	-1.311	-0.764	51.677	-2478.16	1.03
49039_9039	49039	9039	-11.023	74.804	1.335	6.483	-51.758	2476.892	1.03
49039_9040	49039	9040	11.175	-68.961	-1.335	-6.483	36.063	-1631.52	1.05
49040_9040	49040	9040	-12.419	61.052	1.393	3.752	-35.917	1631.594	1.05
49040_9041	49040	9041	12.456	-56.953	-1.393	-3.752	24.427	-1144.93	1.07
49041_9041	49041	9041	-12.965	56.839	1.391	3.444	-24.393	1141.303	1.07
49041_9042	49041	9042	12.965	-49.324	-1.391	-3.444	3.356	-338.724	1
49042_9042	49042	9042	-12.964	41.96	0.137	3.083	-3.356	338.718	1
49042_9043	49042	9043	12.964	-36.054	-0.137	-3.083	1.722	124.798	1
49043_9043	49043	9043	-12.964	36.054	0.147	2.989	-1.722	-124.801	1
49043_9044	49043	9044	12.964	-30.154	-0.147	-2.989	-0.027	517.811	1
49044_9044	49044	9044	-12.963	21.973	-0.004	1.809	0.027	-517.815	1
49044_9045	49044	9045	12.963	-16.069	0.004	-1.809	0.026	743.785	1
49045_9045	49045	9045	-12.963	16.069	0.006	1.186	-0.026	-743.786	1
49045_9046	49045	9046	12.963	-10.165	-0.006	-1.186	-0.05	899.601	1
49046_9046	49046	9046	-12.963	1.88	0.004	0.028	0.05	-899.602	1
49046_9047	49046	9047	12.963	4.023	-0.004	-0.028	-0.095	886.878	1
49047_9047	49047	9047	-12.963	-4.023	0.015	-0.715	0.095	-886.878	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
49047_9048	49047	9048	12.963	9.925	-0.015	0.715	-0.27	804.05	1
49048_9048	49048	9048	-12.963	-18.128	-0.207	-1.843	0.27	-804.048	1
49048_9049	49048	9049	12.963	24.03	0.207	1.843	2.194	553.738	1
49049_9049	49049	9049	-12.964	-24.03	-0.197	-2.307	-2.194	-553.736	1
49049_9050	49049	9050	12.964	29.931	0.197	2.307	4.528	233.37	1
49050_9050	49050	9050	-12.964	-37.87	-0.696	-3.218	-4.528	-233.367	1
49050_9051	49050	9051	12.964	45.392	0.696	3.218	15.06	-396.686	1.15
49051_9051	49051	9051	-12.576	-45.501	-0.684	-2.779	-15.084	397.836	1.15
49051_9052	49051	9052	12.541	49.601	0.684	2.779	20.725	-790.093	1.06
49052_9052	49052	9052	-11.534	-57.199	-2.33	-4.11	-20.809	790.066	1.06
49052_9053	49052	9053	11.389	63.038	2.33	4.11	48.197	-1496.63	1.03
49053_9053	49053	9053	-9.77	-63.309	-2.327	-3.279	-48.307	1500.753	1.03
49053_9054	49053	9054	9.443	69.791	2.327	3.279	79.194	-2383.93	1.02
49054_9054	49054	9054	-7.236	-76.688	4.521	-5.951	-79.605	2383.87	1.02
49054_9055	49054	9055	6.773	82.8	-4.521	5.951	22.939	-3383.47	1.01
49055_9055	49055	9055	-4.603	-82.949	4.531	-2.664	-22.813	3383.473	1.01
49055_9056	49055	9056	3.979	89.06	-4.531	2.664	-34.111	-4463.98	1.01
49056_9056	49056	9056	-410.399	43.23	-7.407	1.776	136.258	1028.003	1.01
49056_9057	49056	9057	410.399	-38.585	7.407	-1.776	-65.897	-639.425	1
49057_9057	49057	9057	-410.412	38.585	-6.667	3.311	65.897	616.007	1
49057_9058	49057	9058	410.412	-34.794	6.667	-3.311	-14.213	-331.57	1
49058_9058	49058	9058	-410.42	34.794	-6.139	3.737	14.213	331.565	1
49058_9059	49058	9059	410.42	-31.004	6.139	-3.737	33.373	-76.54	1
49059_9059	49059	9059	-410.439	26.3	-0.562	1.017	-33.373	76.532	1
49059_9060	49059	9060	410.439	-22.392	0.562	-1.017	37.866	118.056	1
49060_9060	49060	9060	-410.439	22.392	-0.012	0.858	-37.866	-118.057	1
49060_9061	49060	9061	410.439	-18.479	0.012	-0.858	37.963	281.578	1
49061_9061	49061	9061	-410.439	18.479	-0.012	0.858	-37.963	-281.578	1
49061_9062	49061	9062	410.439	-14.566	0.012	-0.858	38.06	413.788	1
49062_9062	49062	9062	-410.438	8.501	0.149	0.125	-38.06	-413.789	1
49062_9063	49062	9063	410.438	-5.565	-0.149	-0.125	37.164	456.024	1
49063_9063	49063	9063	-410.438	5.565	-0.583	0.938	-37.164	-456.024	1
49063_9064	49063	9064	410.438	-2.632	0.583	-0.938	40.657	480.599	1
49064_9064	49064	9064	-410.437	2.632	0.783	-0.661	-40.657	-480.599	1
49064_9065	49064	9065	410.437	0.299	-0.783	0.661	35.963	487.594	1
49065_9065	49065	9065	-410.438	-0.299	0.149	0.092	-35.963	-487.594	1
49065_9066	49065	9066	410.438	3.236	-0.149	-0.092	35.067	476.981	1
49066_9066	49066	9066	-410.438	-9.232	0.416	-0.299	-35.067	-476.981	1
49066_9067	49066	9067	410.438	13.144	-0.416	0.299	31.743	387.483	1
49067_9067	49067	9067	-410.437	-13.144	0.927	-0.783	-31.743	-387.482	1
49067_9068	49067	9068	410.437	17.055	-0.927	0.783	24.325	266.703	1
49068_9068	49068	9068	-410.437	-17.055	0.927	-0.783	-24.325	-266.703	1
49068_9069	49068	9069	410.437	20.967	-0.927	0.783	16.906	114.637	1
49069_9069	49069	9069	-410.415	-25.748	6.315	-2.91	-16.906	-114.627	1
49069_9070	49069	9070	410.415	29.537	-6.315	2.91	-32.017	-99.534	1
49070_9070	49070	9070	-410.414	-29.537	6.35	-2.901	32.017	99.535	1
49070_9071	49070	9071	410.414	33.33	-6.35	2.901	-81.278	-343.379	1
49071_9071	49071	9071	-410.402	-33.33	7.079	-1.809	81.278	371.401	1
49071_9072	49071	9072	410.402	37.976	-7.079	1.809	-148.527	-710.115	1.01
49072_9072	49072	9072	-14.027	94.756	-4.228	2.112	52.481	4024.848	1.01
49072_9073	49072	9073	14.651	-88.645	4.228	-2.112	0.623	-2872.96	1.01
49073_9073	49073	9073	-16.976	88.231	-4.189	6.848	-0.926	2872.954	1.01
49073_9074	49073	9074	17.44	-82.116	4.189	-6.848	53.456	-1804.8	1.01
49074_9074	49074	9074	-19.762	75.294	1.965	2.818	-52.995	1804.855	1.01
49074_9075	49074	9075	20.09	-68.817	-1.965	-2.818	26.937	-849.183	1.03
49075_9075	49075	9075	-21.847	68.278	2.018	4.777	-26.887	841.71	1.03

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
49075_9076	49075	9076	21.987	-62.626	-2.018	-4.777	3.169	-72.318	1.03
49076_9076	49076	9076	-23.076	55.371	0.967	3.594	-3.08	72.33	1.03
49076_9077	49076	9077	23.11	-51.406	-0.967	-3.594	-4.893	367.852	1
49077_9077	49077	9077	-23.55	51.206	0.976	3.759	4.924	-359.556	1
49077_9078	49077	9078	23.55	-44.609	-0.976	-3.759	-18.305	1016.555	1
49078_9078	49078	9078	-23.55	37.802	-0.26	3.883	18.305	-1016.56	1
49078_9079	49078	9079	23.55	-32.434	0.26	-3.883	-15.403	1408.42	1
49079_9079	49079	9079	-23.55	32.434	-0.238	2.552	15.403	-1408.42	1
49079_9080	49079	9080	23.55	-27.063	0.238	-2.552	-12.748	1740.648	1
49080_9080	49080	9080	-23.55	19.509	-0.202	1.948	12.748	-1740.65	1
49080_9081	49080	9081	23.55	-14.137	0.202	-1.948	-10.489	1928.509	1
49081_9081	49081	9081	-23.55	14.137	-0.202	1.948	10.489	-1928.51	1
49081_9082	49081	9082	23.55	-8.766	0.202	-1.948	-8.229	2056.388	1
49082_9082	49082	9082	-23.551	0.694	-0.103	0.824	8.229	-2056.39	1
49082_9083	49082	9083	23.551	5.081	0.103	-0.824	-6.996	2030.053	1
49083_9083	49083	9083	-23.551	-5.081	-0.084	-0.777	6.996	-2030.05	1
49083_9084	49083	9084	23.551	10.851	0.084	0.777	-5.987	1934.491	1
49084_9084	49084	9084	-23.551	-18.979	0.032	-1.08	5.987	-1934.49	1
49084_9085	49084	9085	23.551	24.348	-0.032	1.08	-6.341	1692.637	1
49085_9085	49085	9085	-23.551	-24.348	0.053	-2.594	6.341	-1692.64	1
49085_9086	49085	9086	23.551	29.718	-0.053	2.594	-6.931	1390.847	1
49086_9086	49086	9086	-23.551	-37.475	-0.377	-2.757	6.931	-1390.84	1
49086_9087	49086	9087	23.551	42.849	0.377	2.757	-2.714	942.112	1
49087_9087	49087	9087	-23.551	-42.849	-0.357	-3.559	2.714	-942.109	1
49087_9088	49087	9088	23.551	48.218	0.357	3.559	1.275	433.836	1
49088_9088	49088	9088	-23.552	-55.417	-0.658	-3.986	-1.275	-433.828	1
49088_9089	49088	9089	23.552	61.758	0.658	3.986	9.944	-338.569	1.08
49089_9089	49089	9089	-23.013	-61.961	-0.641	-3.531	-9.975	333.867	1.08
49089_9090	49089	9090	22.978	65.933	0.641	3.531	15.267	-861.982	1.08
49090_9090	49090	9090	-21.686	-73.325	-2.26	-5.495	-15.38	861.952	1.08
49090_9091	49090	9091	21.543	78.972	2.26	5.495	41.923	-1756.31	1.02
49091_9091	49091	9091	-19.548	-79.491	-2.232	-2.734	-41.962	1760.199	1.02
49091_9092	49091	9092	19.23	85.772	2.232	2.734	71.58	-2856.62	1.02
49092_9092	49092	9092	-16.609	-93.068	4.02	-9.442	-72.272	2856.526	1.02
49092_9093	49092	9093	16.159	98.994	-4.02	9.442	21.88	-4060.44	1.02
49093_9093	49093	9093	-13.555	-99.381	4.076	0.82	-21.13	4060.453	1.02
49093_9094	49093	9094	12.949	105.306	-4.076	-0.82	-30.085	-5346.37	1
49094_9094	49094	9094	-461.668	38.495	-6.251	0.846	117.535	1208.888	1
49094_9095	49094	9095	461.668	-33.994	6.251	-0.846	-58.164	-864.667	1
49095_9095	49095	9095	-461.677	33.994	-5.528	2.477	58.164	841.586	1
49095_9096	49095	9096	461.677	-30.317	5.528	-2.477	-15.291	-592.207	1
49096_9096	49096	9096	-461.677	30.317	-5.55	2.448	15.291	592.207	1
49096_9097	49096	9097	461.677	-26.646	5.55	-2.448	27.699	-371.603	1
49097_9097	49097	9097	-461.701	21.984	-0.061	0.185	-27.699	371.59	1
49097_9098	49097	9098	461.701	-18.189	0.061	-0.185	28.188	-210.793	1
49098_9098	49098	9098	-461.701	18.189	0.495	0.439	-28.188	210.793	1
49098_9099	49098	9099	461.701	-14.4	-0.495	-0.439	24.23	-80.52	1
49099_9099	49099	9099	-461.701	14.4	0.515	0.442	-24.23	80.52	1
49099_9100	49099	9100	461.701	-10.605	-0.515	-0.442	20.105	19.56	1
49100_9100	49100	9100	-461.699	4.711	0.007	-0.195	-20.105	-19.561	1
49100_9101	49100	9101	461.699	-1.865	-0.007	0.195	20.064	39.302	1
49101_9101	49101	9101	-461.699	1.865	-0.019	-0.192	-20.064	-39.302	1
49101_9102	49101	9102	461.699	0.975	0.019	0.192	20.178	41.97	1
49102_9102	49102	9102	-461.699	-0.975	0.007	-0.195	-20.178	-41.97	1
49102_9103	49102	9103	461.699	3.821	-0.007	0.195	20.138	27.573	1
49103_9103	49103	9103	-461.698	-3.821	0.775	-0.241	-20.138	-27.572	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
49103_9104	49103	9104	461.698	6.666	-0.775	0.241	15.483	-3.905	1
49104_9104	49104	9104	-461.701	-12.556	-0.676	-0.849	-15.483	3.906	1
49104_9105	49104	9105	461.701	16.345	0.676	0.849	20.891	-119.42	1
49105_9105	49105	9105	-461.701	-16.345	-0.082	-0.695	-20.891	119.421	1
49105_9106	49105	9106	461.701	20.138	0.082	0.695	21.546	-265.419	1
49106_9106	49106	9106	-461.701	-20.138	-0.099	-0.705	-21.546	265.419	1
49106_9107	49106	9107	461.701	23.927	0.099	0.705	22.338	-441.542	1
49107_9107	49107	9107	-461.68	-28.653	5.073	-2.639	-22.338	441.555	1
49107_9108	49107	9108	461.68	32.328	-5.073	2.639	-16.997	-677.954	1
49108_9108	49108	9108	-461.68	-32.328	5.073	-2.639	16.997	677.954	1
49108_9109	49108	9109	461.68	36.003	-5.073	2.639	-56.332	-942.845	1
49109_9109	49109	9109	-461.675	-36.003	5.543	-1.365	56.332	969.092	1
49109_9110	49109	9110	461.675	40.508	-5.543	1.365	-109.013	-1332.66	1.01
49110_9110	49110	9110	-17.976	103.787	-3.957	0.221	38.688	5447.138	1.01
49110_9111	49110	9111	18.582	-97.865	3.957	-0.221	11.005	-4180.8	1.01
49111_9111	49111	9111	-21.149	97.344	-3.91	7.263	-11.508	4180.791	1.01
49111_9112	49111	9112	21.599	-91.418	3.91	-7.263	60.544	-2997.27	1.01
49112_9112	49112	9112	-24.178	84.125	1.812	2.265	-60.012	2997.354	1.01
49112_9113	49112	9113	24.497	-77.847	-1.812	-2.265	35.983	-1923.43	1.03
49113_9113	49113	9113	-26.456	77.203	1.849	5.342	-35.969	1918.748	1.03
49113_9114	49113	9114	26.597	-71.643	-1.849	-5.342	14.235	-1043.78	1.03
49114_9114	49114	9114	-27.856	64.13	0.733	3.473	-14.126	1043.818	1.03
49114_9115	49114	9115	27.89	-60.227	-0.733	-3.473	8.079	-530.72	1.11
49115_9115	49115	9115	-28.415	59.98	0.738	3.675	-8.049	532.062	1.11
49115_9116	49115	9116	28.415	-53.494	-0.738	-3.675	-2.071	245.97	1
49116_9116	49116	9116	-28.414	46.462	-0.006	3.727	2.071	-245.976	1
49116_9117	49116	9117	28.414	-41.182	0.006	-3.727	-1.999	735.117	1
49117_9117	49117	9117	-28.414	41.182	0.045	2.398	1.999	-735.122	1
49117_9118	49117	9118	28.414	-35.898	-0.045	-2.398	-2.501	1165.678	1
49118_9118	49118	9118	-28.414	28.243	-0.16	3.251	2.501	-1165.68	1
49118_9119	49118	9119	28.414	-22.964	0.16	-3.251	-0.719	1451.458	1
49119_9119	49119	9119	-28.414	22.964	-0.108	0.631	0.719	-1451.46	1
49119_9120	49119	9120	28.414	-17.68	0.108	-0.631	0.491	1678.485	1
49120_9120	49120	9120	-28.414	9.646	-0.044	1.628	-0.491	-1678.49	1
49120_9121	49120	9121	28.414	-3.974	0.044	-1.628	1.021	1760.146	1
49121_9121	49121	9121	-28.415	3.974	0.003	-1.326	-1.021	-1760.15	1
49121_9122	49121	9122	28.415	1.703	-0.003	1.326	0.98	1773.775	1
49122_9122	49122	9122	-28.415	-9.822	-0.043	0.634	-0.98	-1773.78	1
49122_9123	49122	9123	28.415	15.105	0.043	-0.634	1.459	1634.547	1
49123_9123	49123	9123	-28.415	-15.105	0.033	-3.755	-1.459	-1634.54	1
49123_9124	49123	9124	28.415	20.389	-0.033	3.755	1.086	1436.297	1
49124_9124	49124	9124	-28.415	-27.993	-0.135	-1.874	-1.086	-1436.3	1
49124_9125	49124	9125	28.415	33.272	0.135	1.874	2.595	1094.423	1
49125_9125	49125	9125	-28.415	-33.272	-0.084	-3.843	-2.595	-1094.42	1
49125_9126	49125	9126	28.415	38.556	0.084	3.843	3.535	693.248	1
49126_9126	49126	9126	-28.415	-45.466	-0.946	-3.387	-3.535	-693.247	1
49126_9127	49126	9127	28.415	51.8	0.946	3.387	16.203	42.037	1
49127_9127	49127	9127	-27.972	-52.041	-0.906	-3.069	-16.23	-49.498	1
49127_9128	49127	9128	27.939	55.939	0.906	3.069	23.697	-395.403	1
49128_9128	49128	9128	-26.844	-63.357	-2.388	-4.92	-23.8	395.393	1
49128_9129	49128	9129	26.706	68.915	2.388	4.92	51.868	-1172.75	1.07
49129_9129	49129	9129	-24.936	-69.578	-2.329	-1.882	-51.89	1181.772	1.07
49129_9130	49129	9130	24.612	75.977	2.329	1.882	82.785	-2147.31	1.04
49130_9130	49130	9130	-22.237	-82.845	5.822	-4.761	-83.182	2147.296	1.04
49130_9131	49130	9131	21.779	88.883	-5.822	4.761	10.2	-3223.68	1.03
49131_9131	49131	9131	-19.442	-89.422	5.845	-1.923	-10.058	3223.683	1.03

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
49131_9132	49131	9132	18.824	95.464	-5.845	1.923	-63.44	-4386.17	1.03
49132_9132	49132	9132	-412.318	39.828	-5.244	1.698	121.54	975.761	1.03
49132_9133	49132	9133	412.318	-35.239	5.244	-1.698	-71.718	-619.194	1
49133_9133	49133	9133	-412.311	35.239	-5.776	2.129	71.718	531.401	1
49133_9134	49133	9134	412.311	-31.496	5.776	-2.129	-26.951	-272.803	1
49134_9134	49134	9134	-412.318	31.496	-5.244	2.481	26.951	272.8	1
49134_9135	49134	9135	412.318	-27.753	5.244	-2.481	13.694	-43.213	1
49135_9135	49135	9135	-412.313	23.004	0.29	0.69	-13.694	43.215	1
49135_9136	49135	9136	412.313	-19.14	-0.29	-0.69	11.374	125.36	1
49136_9136	49136	9136	-412.312	19.14	0.805	0.533	-11.374	-125.361	1
49136_9137	49136	9137	412.312	-15.276	-0.805	-0.533	4.931	263.024	1
49137_9137	49137	9137	-412.312	15.276	0.805	0.533	-4.931	-263.024	1
49137_9138	49137	9138	412.312	-11.412	-0.805	-0.533	-1.512	369.775	1
49138_9138	49138	9138	-412.312	4.944	-0.581	0.116	1.512	-369.774	1
49138_9139	49138	9139	412.312	-2.046	0.581	-0.116	1.976	390.745	1
49139_9139	49139	9139	-412.313	2.046	0.106	-0.535	-1.976	-390.745	1
49139_9140	49139	9140	412.313	0.852	-0.106	0.535	1.341	394.327	1
49140_9140	49140	9140	-412.313	-0.852	0.106	-0.535	-1.341	-394.327	1
49140_9141	49140	9141	412.313	3.75	-0.106	0.535	0.706	380.522	1
49141_9141	49141	9141	-412.312	-3.75	-0.581	0.099	-0.706	-380.522	1
49141_9142	49141	9142	412.312	6.648	0.581	-0.099	4.194	349.329	1
49142_9142	49142	9142	-412.313	-12.969	-0.308	-1.12	-4.194	-349.328	1
49142_9143	49142	9143	412.313	16.833	0.308	1.12	6.657	230.123	1
49143_9143	49143	9143	-412.312	-16.833	-0.823	-0.832	-6.657	-230.125	1
49143_9144	49143	9144	412.312	20.697	0.823	0.832	13.243	80.008	1
49144_9144	49144	9144	-412.313	-20.697	-0.308	-0.932	-13.243	-80.007	1
49144_9145	49144	9145	412.313	24.561	0.308	0.932	15.706	-101.021	1
49145_9145	49145	9145	-412.308	-29.366	4.441	-2.844	-15.706	101.023	1
49145_9146	49145	9146	412.308	33.109	-4.441	2.844	-18.712	-343.114	1
49146_9146	49146	9146	-412.314	-33.109	3.909	-3.287	18.712	343.11	1
49146_9147	49146	9147	412.314	36.852	-3.909	3.287	-49.006	-614.211	1
49147_9147	49147	9147	-412.308	-36.852	4.441	-1.611	49.006	696.262	1
49147_9148	49147	9148	412.308	41.441	-4.441	1.611	-91.194	-1068.16	1
49148_9148	49148	9148	-25.397	91.016	-3.718	3.197	25.802	4463.447	1
49148_9149	49148	9149	26.013	-84.979	3.718	-3.197	20.913	-3357.76	1
49149_9149	49149	9149	-28.232	84.267	-3.718	3.744	-20.822	3357.763	1
49149_9150	49149	9150	28.689	-78.23	3.718	-3.744	67.429	-2339.25	1
49150_9150	49150	9150	-30.944	71.528	1.804	3.369	-67.209	2339.249	1
49150_9151	49150	9151	31.266	-65.128	-1.804	-3.369	43.271	-1432.75	1
49151_9151	49151	9151	-32.925	64.307	1.775	2.691	-43.126	1421.757	1
49151_9152	49151	9152	33.069	-58.479	-1.775	-2.691	22.263	-700.171	1
49152_9152	49152	9152	-34.072	50.941	0.95	2.707	-22.213	700.169	1
49152_9153	49152	9153	34.107	-46.849	-0.95	-2.707	14.373	-296.767	1
49153_9153	49153	9153	-34.506	46.557	0.925	2.52	-14.35	293.291	1
49153_9154	49153	9154	34.506	-39.737	-0.925	-2.52	1.629	299.979	1
49154_9154	49154	9154	-34.506	32.665	0.151	2.215	-1.629	-299.979	1
49154_9155	49154	9155	34.506	-27.209	-0.151	-2.215	-0.036	629.29	1
49155_9155	49155	9155	-34.506	27.209	0.183	1.643	0.036	-629.292	1
49155_9156	49155	9156	34.506	-21.753	-0.183	-1.643	-2.046	898.587	1
49156_9156	49156	9156	-34.506	14.402	-0.059	1.125	2.046	-898.585	1
49156_9157	49156	9157	34.506	-9.442	0.059	-1.125	-1.455	1017.808	1
49157_9157	49157	9157	-34.506	9.442	-0.025	0.107	1.455	-1017.81	1
49157_9158	49157	9158	34.506	-4.482	0.025	-0.107	-1.21	1087.433	1
49158_9158	49158	9158	-34.506	-2.616	0.045	-0.053	1.21	-1087.43	1
49158_9159	49158	9159	34.506	7.576	-0.045	0.053	-1.656	1036.471	1
49159_9159	49159	9159	-34.506	-7.576	0.079	-1.089	1.656	-1036.47	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
49159_9160	49159	9160	34.506	12.536	-0.079	1.089	-2.448	935.91	1
49160_9160	49160	9160	-34.506	-19.81	-0.235	-1.82	2.448	-935.911	1
49160_9161	49160	9161	34.506	25.261	0.235	1.82	0.133	688.245	1
49161_9161	49161	9161	-34.506	-25.261	-0.235	-1.821	-0.133	-688.245	1
49161_9162	49161	9162	34.506	30.717	0.235	1.821	2.716	380.365	1
49162_9162	49162	9162	-34.507	-37.616	-0.804	-2.402	-2.716	-380.363	1
49162_9163	49162	9163	34.507	44.436	0.804	2.402	13.769	-183.743	1
49163_9163	49163	9163	-34.128	-44.726	-0.846	-2.568	-13.792	186.189	1
49163_9164	49163	9164	34.094	48.818	0.846	2.568	20.769	-572.076	1
49164_9164	49164	9164	-33.134	-56.231	-1.788	-2.583	-20.816	572.079	1
49164_9165	49164	9165	32.991	62.059	1.788	2.583	41.834	-1267.24	1
49165_9165	49165	9165	-31.402	-62.877	-1.814	-2.945	-41.958	1276.197	1
49165_9166	49165	9166	31.065	69.608	1.814	2.945	66.027	-2155.01	1
49166_9166	49166	9166	-28.863	-76.357	3.536	-5.119	-66.368	2155.009	1
49166_9167	49166	9167	28.385	82.707	-3.536	5.119	22.045	-3151.97	1
49167_9167	49167	9167	-26.202	-83.423	3.563	-2.031	-21.917	3151.97	1
49167_9168	49167	9168	25.557	89.773	-3.563	2.031	-22.856	-4240.03	1
49168_9168	49168	9168	-406.995	44.613	-4.671	2.288	99.985	1014.869	1
49168_9169	49168	9169	406.995	-39.787	4.671	-2.288	-55.607	-613.972	1
49169_9169	49169	9169	-407	39.787	-4.243	3.817	55.607	529.212	1
49169_9170	49169	9170	407	-35.85	4.243	-3.817	-22.724	-236.121	1
49170_9170	49170	9170	-406.994	35.85	-4.768	3.513	22.724	236.125	1
49170_9171	49170	9171	406.994	-31.913	4.768	-3.513	14.229	26.454	1
49171_9171	49171	9171	-407	26.745	0.301	1.003	-14.229	-26.459	1
49171_9172	49171	9172	407	-22.681	-0.301	-1.003	11.822	224.166	1
49172_9172	49172	9172	-407	22.681	-0.208	1.284	-11.822	-224.164	1
49172_9173	49172	9173	407	-18.617	0.208	-1.284	13.485	389.359	1
49173_9173	49173	9173	-407	18.617	0.301	0.797	-13.485	-389.361	1
49173_9174	49173	9174	407	-14.553	-0.301	-0.797	11.078	522.044	1
49174_9174	49174	9174	-407	7.827	0.23	-0.279	-11.078	-522.044	1
49174_9175	49174	9175	407	-4.779	-0.23	0.279	9.695	559.861	1
49175_9175	49175	9175	-407	4.779	-0.448	0.654	-9.695	-559.86	1
49175_9176	49175	9176	407	-1.731	0.448	-0.654	12.383	579.389	1
49176_9176	49176	9176	-407	1.731	0.23	-0.311	-12.383	-579.389	1
49176_9177	49176	9177	407	1.317	-0.23	0.311	11	580.63	1
49177_9177	49177	9177	-407	-1.317	0.23	-0.311	-11	-580.63	1
49177_9178	49177	9178	407	4.365	-0.23	0.311	9.617	563.583	1
49178_9178	49178	9178	-407	-11.082	-0.156	-0.882	-9.617	-563.584	1
49178_9179	49178	9179	407	15.146	0.156	0.882	10.865	458.674	1
49179_9179	49179	9179	-407	-15.146	0.353	-1.455	-10.865	-458.673	1
49179_9180	49179	9180	407	19.21	-0.353	1.455	8.042	321.25	1
49180_9180	49180	9180	-407	-19.21	-0.156	-1.054	-8.042	-321.252	1
49180_9181	49180	9181	407	23.274	0.156	1.054	9.29	151.317	1
49181_9181	49181	9181	-407	-28.223	5.109	-3.502	-9.29	-151.316	1
49181_9182	49181	9182	407	32.16	-5.109	3.502	-30.303	-82.671	1
49182_9182	49182	9182	-407	-32.16	5.109	-3.502	30.303	82.671	1
49182_9183	49182	9183	407	36.097	-5.109	3.502	-69.897	-347.169	1
49183_9183	49183	9183	-407.005	-36.097	4.68	-3.001	69.897	422.551	1
49183_9184	49183	9184	407.005	40.923	-4.68	3.001	-114.36	-788.399	1.02
49184_9184	49184	9184	-30.675	90.618	-4.138	2.714	35.568	3956.344	1.02
49184_9185	49184	9185	31.319	-84.268	4.138	-2.714	16.422	-2857.71	1.03
49185_9185	49185	9185	-33.519	83.419	-4.106	5.423	-16.516	2857.704	1.03
49185_9186	49185	9186	33.995	-77.069	4.106	-5.423	67.988	-1851.85	1.04
49186_9186	49186	9186	-36.21	70.23	1.889	2.812	-67.616	1851.851	1.04
49186_9187	49186	9187	36.546	-63.499	-1.889	-2.812	42.55	-964.797	1.08
49187_9187	49187	9187	-38.143	62.552	1.886	3.304	-42.451	954.435	1.08

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
49187_9188	49187	9188	38.292	-56.454	-1.886	-3.304	20.289	-255.062	1.08
49188_9188	49188	9188	-39.25	48.75	0.86	3.006	-20.228	255.059	1.08
49188_9189	49188	9189	39.286	-44.469	-0.86	-3.006	13.136	129.484	1
49189_9189	49189	9189	-39.66	44.136	0.831	3.074	-13.11	-136.032	1
49189_9190	49189	9190	39.66	-37	-0.831	-3.074	1.687	693.847	1
49190_9190	49190	9190	-39.659	29.769	0.307	1.986	-1.687	-693.849	1
49190_9191	49190	9191	39.659	-24.06	-0.307	-1.986	-1.69	989.903	1
49191_9191	49191	9191	-39.659	24.06	0.271	2.886	1.69	-989.901	1
49191_9192	49191	9192	39.659	-18.351	-0.271	-2.886	-4.671	1223.156	1
49192_9192	49192	9192	-39.659	10.894	-0.094	1.253	4.671	-1223.16	1
49192_9193	49192	9193	39.659	-5.73	0.094	-1.253	-3.739	1305.857	1
49193_9193	49193	9193	-39.659	5.73	-0.054	-0.06	3.739	-1305.86	1
49193_9194	49193	9194	39.659	-0.565	0.054	0.06	-3.204	1337.176	1
49194_9194	49194	9194	-39.658	-6.702	-0.345	-0.327	3.204	-1337.18	1
49194_9195	49194	9195	39.658	11.866	0.345	0.327	0.228	1244.809	1
49195_9195	49195	9195	-39.658	-11.866	-0.305	-1.578	-0.228	-1244.81	1
49195_9196	49195	9196	39.658	17.024	0.305	1.578	3.26	1101.225	1
49196_9196	49196	9196	-39.657	-24.505	-0.473	-2.32	-3.26	-1101.24	1
49196_9197	49196	9197	39.657	30.214	0.473	2.32	8.465	800.289	1
49197_9197	49197	9197	-39.658	-30.214	-0.437	-3.048	-8.465	-800.286	1
49197_9198	49197	9198	39.658	35.923	0.437	3.048	13.274	436.537	1
49198_9198	49198	9198	-39.652	-43.092	-1.09	-3.431	-13.274	-436.544	1
49198_9199	49198	9199	39.652	50.233	1.09	3.431	28.266	-205.53	1.03
49199_9199	49199	9199	-39.231	-50.564	-1.061	-3.297	-28.294	214.968	1.03
49199_9200	49199	9200	39.195	54.845	1.061	3.297	37.046	-649.795	1.03
49200_9200	49200	9200	-38.134	-62.547	-2.538	-4.678	-37.141	649.783	1.03
49200_9201	49200	9201	37.985	68.646	2.538	4.678	66.968	-1420.77	1.03
49201_9201	49201	9201	-36.242	-69.582	-2.534	-3.64	-67.097	1433.145	1.03
49201_9202	49201	9202	35.892	76.644	2.534	3.64	100.712	-2403.08	1.02
49202_9202	49202	9202	-33.553	-83.87	4.744	-4.995	-101.058	2403.058	1.02
49202_9203	49202	9203	33.058	90.533	-4.744	4.995	41.593	-3496.09	1.01
49203_9203	49203	9203	-30.712	-91.357	4.712	-6.702	-41.987	3496.082	1.01
49203_9204	49203	9204	30.043	98.019	-4.712	6.702	-17.213	-4685.63	1.01
49204_9204	49204	9204	-447.961	45.697	-6.247	4.239	124.699	1133.931	1.01
49204_9205	49204	9205	447.961	-40.633	6.247	-4.239	-65.352	-723.863	1
49205_9205	49205	9205	-447.967	40.633	-5.776	6.565	65.352	602.58	1
49205_9206	49205	9206	447.967	-36.503	5.776	-6.565	-20.592	-303.679	1
49206_9206	49206	9206	-447.967	36.503	-5.776	6.565	20.592	303.679	1
49206_9207	49206	9207	447.967	-32.372	5.776	-6.565	24.168	-36.79	1
49207_9207	49207	9207	-447.992	27.043	-1.217	2.437	-24.168	36.772	1
49207_9208	49207	9208	447.992	-22.779	1.217	-2.437	33.907	162.514	1
49208_9208	49208	9208	-447.994	22.779	-0.657	2.234	-33.907	-162.517	1
49208_9209	49208	9209	447.994	-18.515	0.657	-2.234	39.166	327.691	1
49209_9209	49209	9209	-447.994	18.515	-0.097	1.824	-39.166	-327.693	1
49209_9210	49209	9210	447.994	-14.251	0.097	-1.824	39.945	458.755	1
49210_9210	49210	9210	-447.99	7.32	-0.729	1.697	-39.945	-458.757	1
49210_9211	49210	9211	447.99	-4.122	0.729	-1.697	44.32	493.084	1
49211_9211	49211	9211	-447.991	4.122	0.017	0.875	-44.32	-493.086	1
49211_9212	49211	9212	447.991	-0.924	-0.017	-0.875	44.216	508.226	1
49212_9212	49212	9212	-447.99	0.924	0.764	0.028	-44.216	-508.227	1
49212_9213	49212	9213	447.99	2.274	-0.764	-0.028	39.631	504.177	1
49213_9213	49213	9213	-447.988	-2.274	1.511	-0.813	-39.631	-504.177	1
49213_9214	49213	9214	447.988	5.472	-1.511	0.813	30.567	480.938	1
49214_9214	49214	9214	-447.998	-12.38	-0.245	-0.706	-30.567	-480.941	1
49214_9215	49214	9215	447.998	16.639	0.245	0.706	32.525	365.001	1
49215_9215	49215	9215	-447.997	-16.639	0.869	-1.614	-32.525	-364.998	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
49215_9216	49215	9216	447.997	20.904	-0.869	1.614	25.571	214.815	1
49216_9216	49216	9216	-447.993	-20.904	1.989	-2.151	-25.571	-214.81	1
49216_9217	49216	9217	447.993	25.168	-1.989	2.151	9.657	30.502	1
49217_9217	49217	9217	-447.953	-30.313	6.104	-7.433	-9.657	-30.441	1
49217_9218	49217	9218	447.953	34.445	-6.104	7.433	-37.659	-220.53	1
49218_9218	49218	9218	-447.926	-34.445	7.838	-6.579	37.659	220.557	1
49218_9219	49218	9219	447.926	38.576	-7.838	6.579	-98.415	-503.573	1
49219_9219	49219	9219	-447.923	-38.576	8.02	-4.436	98.415	611.807	1
49219_9220	49219	9220	447.923	43.641	-8.02	4.436	-174.625	-1002.43	1
49220_9220	49220	9220	-25.405	96.146	-4.859	1.507	44.751	4580.091	1
49220_9221	49220	9221	26.071	-89.486	4.859	-1.507	16.256	-3414.65	1
49221_9221	49221	9221	-28.389	88.784	-4.748	12.746	-17.012	3414.623	1
49221_9222	49221	9222	28.883	-82.119	4.748	-12.746	76.547	-2343.12	1.01
49222_9222	49222	9222	-31.073	73.887	3.144	1.801	-75.578	2343.564	1.01
49222_9223	49222	9223	31.421	-66.827	-3.144	-1.801	33.885	-1410.44	1.01
49223_9223	49223	9223	-33.075	66.015	3.313	8.517	-33.971	1399.495	1.01
49223_9224	49223	9224	33.232	-59.531	-3.313	-8.517	-4.967	-661.831	1.03
49224_9224	49224	9224	-34.318	51.523	0.516	2.935	5.146	662.035	1.03
49224_9225	49224	9225	34.355	-46.966	-0.516	-2.935	-9.411	-255.447	1
49225_9225	49225	9225	-34.743	46.679	0.633	3.717	9.435	255.509	1
49225_9226	49225	9226	34.743	-38.684	-0.633	-3.717	-18.607	362.643	1
49226_9226	49226	9226	-34.748	31.189	0.347	2.537	18.607	-362.657	1
49226_9227	49226	9227	34.748	-24.912	-0.347	-2.537	-22.552	681.641	1
49227_9227	49227	9227	-34.747	24.912	0.438	0.741	22.552	-681.645	1
49227_9228	49227	9228	34.747	-18.633	-0.438	-0.741	-27.538	929.271	1
49228_9228	49228	9228	-34.752	11.502	-0.29	0.851	27.538	-929.3	1
49228_9229	49228	9229	34.752	-5.228	0.29	-0.851	-24.24	1024.379	1
49229_9229	49229	9229	-34.753	5.228	-0.199	-1.848	24.24	-1024.38	1
49229_9230	49229	9230	34.753	1.047	0.199	1.848	-21.982	1048.145	1
49230_9230	49230	9230	-34.757	-8.594	0.633	-1.458	21.982	-1048.11	1
49230_9231	49230	9231	34.757	15.24	-0.633	1.458	-29.599	904.618	1
49231_9231	49231	9231	-34.755	-15.24	0.713	-3.545	29.599	-904.612	1
49231_9232	49231	9232	34.755	20.196	-0.713	3.545	-35.998	745.559	1.03
49232_9232	49232	9232	-34.672	-20.334	0.843	-6.464	35.973	-744.765	1.03
49232_9233	49232	9233	34.665	22.032	-0.843	6.464	-38.567	679.595	1.03
49233_9233	49233	9233	-34.304	-29.936	-7.271	-5.281	38.522	-679.588	1.03
49233_9234	49233	9234	34.231	35.196	7.271	5.281	30.776	369.198	1.03
49234_9234	49234	9234	-33.769	-35.659	-7.179	-5.835	-30.871	-369.182	1.03
49234_9235	49234	9235	33.657	39.736	7.179	5.835	83.924	90.606	1.03
49235_9235	49235	9235	-33.08	-40.236	-7.075	-7.69	-84.134	-76.621	1.03
49235_9236	49235	9236	32.934	43.673	7.075	7.69	128.22	-184.805	1.01
49236_9236	49236	9236	-32.17	-48.313	3.895	-6.512	-128.361	184.802	1.01
49236_9237	49236	9237	31.859	53.747	-3.895	6.512	89.952	-688.013	1.01
49237_9237	49237	9237	-30.847	-54.325	4.03	-2.187	-89.854	688.053	1.01
49237_9238	49237	9238	30.439	59.702	-4.03	2.187	52.117	-1221.88	1.01
49238_9238	49238	9238	-28.301	-72.32	7.757	-15.589	-53.501	1221.385	1.01
49238_9239	49238	9239	27.816	77.467	-7.757	15.589	-16.132	-1893.65	1.01
49239_9239	49239	9239	-26.782	-77.824	7.829	-11.971	16.337	1893.677	1.01
49239_9240	49239	9240	26.54	80.077	-7.829	11.971	-47.141	-2204.34	1
49240_9240	49240	9240	-323.448	61.782	4.236	29.747	108.167	342.673	1
49240_9241	49240	9241	323.448	-58.136	-4.236	-29.747	-134.986	36.95	1
49241_9241	49241	9241	-323.002	42.257	-5.125	1.527	134.986	-38.292	1
49241_9242	49241	9242	323.002	-40.437	5.125	-1.527	-118.788	168.977	1
49242_9242	49242	9242	-323.011	40.437	-4.501	1.445	118.788	-186.537	1
49242_9243	49242	9243	323.011	-33.321	4.501	-1.445	-63.182	642.13	1
49243_9243	49243	9243	-323.022	33.321	-3.646	-0.255	63.182	-642.131	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
49243_9244	49243	9244	323.022	-28.146	3.646	0.255	-30.426	918.237	1
49244_9244	49244	9244	-322.857	18.507	-7.11	6.786	30.426	-917.845	1
49244_9245	49244	9245	322.857	-12.486	7.11	-6.786	43.893	1079.822	1
49245_9245	49245	9245	-322.876	12.486	-6.213	3.786	-43.893	-1079.84	1
49245_9246	49245	9246	322.876	-7.205	6.213	-3.786	100.865	1170.116	1
49246_9246	49246	9246	-323.051	2.534	-0.55	4.704	-100.865	-1169.97	1
49246_9247	49246	9247	323.051	3.542	0.55	-4.704	106.662	1164.65	1
49247_9247	49247	9247	-323.051	-3.542	0.528	0.82	-106.662	-1164.66	1
49247_9248	49247	9248	323.051	8.775	-0.528	-0.82	101.867	1108.71	1
49248_9248	49248	9248	-323.054	-14.863	1.404	0.534	-101.867	-1108.65	1
49248_9249	49248	9249	323.054	20.328	-1.404	-0.534	88.547	941.695	1
49249_9249	49249	9249	-323.05	-20.328	2.194	-1.769	-88.547	-941.693	1
49249_9250	49249	9250	323.05	26.166	-2.194	1.769	66.312	706.095	1
49250_9250	49250	9250	-323.141	-31.473	8.38	-4.446	-66.312	-706.084	1
49250_9251	49250	9251	323.141	37.162	-8.38	4.446	-16.46	367.13	1
49251_9251	49251	9251	-323.119	-37.162	9.172	-5.345	16.46	-367.118	1
49251_9252	49251	9252	323.119	42.777	-9.172	5.345	-105.878	-22.541	1
49252_9252	49252	9252	-322.82	-53.077	-7.712	-36.149	105.878	22.027	1
49252_9253	49252	9253	322.82	54.897	7.712	36.149	-81.511	-192.596	1
49253_9253	49253	9253	-322.834	-54.897	-7.112	-35.918	81.511	198.445	1
49253_9254	49253	9254	322.834	60.369	7.112	35.918	-13.941	-745.983	1.01
49254_9254	49254	9254	-17.393	82.631	-18.501	39.83	7.891	2723.873	1.01
49254_9255	49254	9255	18.066	-75.811	18.501	-39.83	212.24	-1781.28	1.01
49255_9255	49255	9255	-21.527	55.901	10.235	-1.248	-207.806	1780.694	1.01
49255_9256	49255	9256	21.993	-49.775	-10.235	1.248	98.636	-1217.08	1.02
49256_9256	49256	9256	-22.983	49.306	10.325	5.092	-98.878	1217.052	1.02
49256_9257	49256	9257	23.333	-42.98	-10.325	-5.092	-14.702	-709.474	1.03
49257_9257	49257	9257	-24.263	33.622	-1.273	5.828	14.735	709.462	1.03
49257_9258	49257	9258	24.376	-30.859	1.273	-5.828	-8.621	-554.653	1.03
49258_9258	49258	9258	-24.866	30.467	-1.23	7.115	8.677	544.229	1.03
49258_9259	49258	9259	25.012	-24.648	1.23	-7.115	3.756	-265.771	1.05
49259_9259	49259	9259	-25.341	24.313	-1.163	7.867	-3.669	265.751	1.05
49259_9260	49259	9260	25.386	-20.439	1.163	-7.867	11.49	-115.227	1.05
49260_9260	49260	9260	-25.565	13.63	1.194	3.488	-11.411	115.235	1.05
49260_9261	49260	9261	25.572	-11.733	-1.194	-3.488	7.629	-75.077	1
49261_9261	49261	9261	-25.615	11.631	1.276	3.883	-7.615	77.604	1
49261_9262	49261	9262	25.615	-4.766	-1.276	-3.883	-7.006	16.358	1
49262_9262	49262	9262	-25.611	4.766	1.356	3.832	7.006	-16.37	1
49262_9263	49262	9263	25.611	1.147	-1.356	-3.832	-20.396	34.229	1
49263_9263	49263	9263	-25.623	-9.679	0.068	-0.136	20.396	-34.196	1
49263_9264	49263	9264	25.623	16.714	-0.068	0.136	-21.193	-120.798	1
49264_9264	49264	9264	-25.623	-16.714	0.114	0.082	21.193	120.798	1
49264_9265	49264	9265	25.623	23.491	-0.114	-0.082	-22.484	-348.234	1
49265_9265	49265	9265	-25.628	-31.815	-0.081	-3.813	22.484	348.335	1
49265_9266	49265	9266	25.628	38.863	0.081	3.813	-21.529	-764.144	1
49266_9266	49266	9266	-25.628	-38.863	-0.037	-2.511	21.529	764.149	1
49266_9267	49266	9267	25.628	45.628	0.037	2.511	-21.106	-1241.28	1
49267_9267	49267	9267	-25.689	-53.965	-2.294	-8.511	21.106	1241.579	1
49267_9268	49267	9268	25.689	57.972	2.294	8.511	-5.764	-1615.91	1
49268_9268	49268	9268	-25.691	-57.972	-2.28	-7.602	5.764	1615.914	1
49268_9269	49268	9269	25.691	62.002	2.28	7.602	9.576	-2019.58	1.07
49269_9269	49269	9269	-25.112	-62.24	-2.239	-4.396	-9.618	2020.611	1.07
49269_9270	49269	9270	25.058	68.012	2.239	4.396	31.191	-2648.19	1.04
49270_9270	49270	9270	-23.793	-76.545	-4.321	-16.02	-31.575	2648.95	1.04
49270_9271	49270	9271	23.632	82.757	4.321	16.02	76.403	-3475.38	1.04
49271_9271	49271	9271	-22.169	-83.164	-4.275	-9.494	-76.449	3481.005	1.04

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
49271_9272	49271	9272	21.956	88.043	4.275	9.494	111.309	-4179	1.03
49272_9272	49272	9272	-20.903	-88.302	-4.215	1.677	-110.866	4179.021	1.03
49272_9273	49272	9273	20.731	91.386	4.215	-1.677	132.6	-4642.35	1.03
49273_9273	49273	9273	-18.313	-100.23	7.743	-24.558	-134.607	4643.298	1.03
49273_9274	49273	9274	17.798	107.354	-7.743	24.558	42.285	-5880.88	1.03
49274_9274	49274	9274	-15.078	-107.763	7.838	-1.599	-40.753	5880.938	1.03
49274_9275	49274	9275	14.316	115.584	-7.838	1.599	-62.072	-7345.93	1.02
49275_9275	49275	9275	-545.606	69.742	-10.94	4.018	256.315	2479.344	1.02
49275_9276	49275	9276	545.606	-66.817	10.94	-4.018	-202.898	-2145.95	1
49276_9276	49276	9276	-545.618	66.817	-10.311	6.492	202.898	2145.944	1
49276_9277	49276	9277	545.618	-64.05	10.311	-6.492	-155.263	-1843.66	1
49277_9277	49277	9277	-545.634	64.05	-9.42	10.39	155.263	1792.218	1
49277_9278	49277	9278	545.634	-58.532	9.42	-10.39	-68.489	-1227.62	1
49278_9278	49278	9278	-545.599	54.046	-6.748	0.004	68.489	1228.053	1
49278_9279	49278	9279	545.599	-47.137	6.748	-0.004	7.824	-655.954	1
49279_9279	49279	9279	-545.623	47.137	-4.412	2.813	-7.824	655.948	1
49279_9280	49279	9280	545.623	-40.017	4.412	-2.813	59.235	-148.166	1
49280_9280	49280	9280	-545.768	30.538	-7.782	1.875	-59.235	148.195	1
49280_9281	49280	9281	545.768	-23.384	7.782	-1.875	150.352	167.489	1
49281_9281	49281	9281	-545.795	23.384	-5.585	1.201	-150.352	-167.495	1
49281_9282	49281	9282	545.795	-16.087	5.585	-1.201	217.043	403.173	1
49282_9282	49282	9282	-545.564	5.226	4.677	1.179	-217.043	-227.417	1
49282_9283	49282	9283	545.564	0.642	-4.677	-1.179	159.023	255.856	1
49283_9283	49283	9283	-545.536	-0.642	7.287	-0.046	-159.023	-255.859	1
49283_9284	49283	9284	545.536	5.956	-7.287	0.046	77.149	218.793	1
49284_9284	49284	9284	-545.549	-16.236	7.197	0.279	-77.149	-218.81	1
49284_9285	49284	9285	545.549	21.027	-7.197	-0.279	4.264	30.12	1
49285_9285	49285	9285	-545.525	-21.027	8.811	0.19	-4.264	-30.121	1
49285_9286	49285	9286	545.525	25.463	-8.811	-0.19	-78.367	-187.876	1
49286_9286	49286	9286	-545.537	-38.716	-9.488	-21.977	78.367	187.936	1
49286_9287	49286	9287	545.537	40.619	9.488	21.977	-40.184	-347.575	1
49287_9287	49287	9287	-545.532	-40.619	-9.799	-22.708	40.184	377.216	1
49287_9288	49287	9288	545.532	45.112	9.799	22.708	52.888	-784.36	1.02
49288_9288	49288	9288	-2.227	173.704	-19.573	36.017	-124.25	5036.484	1.02
49288_9289	49288	9289	2.715	-168.662	19.573	-36.017	333.859	-3203.23	1.02
49289_9289	49289	9289	-8.513	135.749	13.973	-3.498	-329.395	3204.843	1.02
49289_9290	49289	9290	8.906	-130.138	-13.973	3.498	163.208	-1623.71	1.03
49290_9290	49290	9290	-12.383	129.848	14.019	5.034	-163.42	1623.681	1.03
49290_9291	49290	9291	12.618	-124.369	-14.019	-5.034	0.874	-149.876	1.05
49291_9291	49291	9291	-15.47	110.988	-1.267	5.202	-0.793	149.869	1.05
49291_9292	49291	9292	15.521	-109.027	1.267	-5.202	6.051	306.448	1.14
49292_9292	49292	9292	-17.166	108.781	-1.219	4.714	-5.965	-309.868	1.14
49292_9293	49292	9293	17.208	-104.991	1.219	-4.714	15.733	1166.21	1
49293_9293	49293	9293	-18.34	104.8	-1.182	2.506	-15.681	-1166.22	1
49293_9294	49293	9294	18.34	-101.024	1.182	-2.506	25.116	1987.881	1
49294_9294	49294	9294	-18.368	86.088	-1.32	16.573	-25.116	-1988.28	1
49294_9295	49294	9295	18.368	-84.193	1.32	-16.573	30.407	2329.505	1
49295_9295	49295	9295	-18.372	84.193	-1.259	8.399	-30.407	-2324.59	1
49295_9296	49295	9296	18.372	-79.375	1.259	-8.399	43.227	3157.654	1
49296_9296	49296	9296	-18.375	79.375	-1.216	1.033	-43.227	-3157.67	1
49296_9297	49296	9297	18.375	-75.467	1.216	-1.033	53.271	3797.32	1
49297_9297	49297	9297	-18.322	62.218	1.172	14.036	-53.271	-3797.89	1
49297_9298	49297	9298	18.322	-56.69	-1.172	-14.036	39.803	4481.171	1
49298_9298	49298	9298	-18.318	56.69	1.234	-1.207	-39.803	-4481.19	1
49298_9299	49298	9299	18.318	-51.553	-1.234	1.207	26.623	5059.184	1
49299_9299	49299	9299	-18.331	37.114	0.562	14.889	-26.623	-5059.9	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	P-Delta Fact
49299_9300	49299	9300	18.331	-31.919	-0.562	-14.889	20.556	5432.698	1
49300_9300	49300	9300	-18.329	31.919	0.621	-2.661	-20.556	-5432.72	1
49300_9301	49300	9301	18.329	-25.759	-0.621	2.661	12.604	5802.032	1
49301_9301	49301	9301	-18.331	10.65	0.499	14.792	-12.604	-5802.76	1
49301_9302	49301	9302	18.331	-4.947	-0.499	-14.792	6.682	5895.231	1
49302_9302	49302	9302	-18.329	4.947	0.571	-8.202	-6.682	-5895.24	1
49302_9303	49302	9303	18.329	0.708	-0.571	8.202	-0.029	5920.16	1
49303_9303	49303	9303	-18.337	-15.285	0.213	9.454	0.029	-5920.97	1
49303_9304	49303	9304	18.337	21.326	-0.213	-9.454	-2.703	5691.033	1
49304_9304	49304	9304	-18.336	-21.326	0.274	-9.624	2.703	-5691.03	1
49304_9305	49304	9305	18.336	26.638	-0.274	9.624	-5.732	5426.195	1
49305_9305	49305	9305	-18.343	-40.999	-0.067	8.249	5.732	-5426.84	1
49305_9306	49305	9306	18.343	46.315	0.067	-8.249	-4.988	4944.4	1
49306_9306	49306	9306	-18.343	-46.315	0.007	-11.88	4.988	-4944.39	1
49306_9307	49306	9307	18.343	52.353	-0.007	11.88	-5.08	4325.123	1
49307_9307	49307	9307	-18.381	-65.341	-1.663	-0.932	5.08	-4325.62	1
49307_9308	49307	9308	18.381	71.061	1.663	0.932	14.694	3514.625	1
49308_9308	49308	9308	-18.385	-71.061	-1.615	-10.009	-14.694	-3514.61	1
49308_9309	49308	9309	18.385	76.69	1.615	10.009	33.599	2650.075	1
49309_9309	49309	9309	-18.415	-88.964	-2.721	-7.052	-33.599	-2650.29	1
49309_9310	49309	9310	18.415	94.709	2.721	7.052	66.103	1553.409	1
49310_9310	49310	9310	-18.424	-94.709	-2.66	-12.239	-66.103	-1553.38	1
49310_9311	49310	9311	18.424	100.314	2.66	12.239	97.101	417	1
49311_9311	49311	9311	-17.79	-105.921	29.271	-17.832	-97.101	-416.867	1
49311_9312	49311	9312	17.79	107.517	-29.271	17.832	0	62.852	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1	2	3	4	5	6	7	8	9
1000_1000	1000	1000	80.17275	558.7391	0.219188	-10.0196	0	-449.61
1000_1001	1000	1001	-24.8679	-484.152	-0.21919	10.01963	-3.73669	9062.659
9000_9000	9000	9000	72.97238	514.479	5.544	10.96594	0	-493.249
9000_9001	9000	9001	-46.9639	-478.076	-5.544	-10.9659	-46.0149	4492.577
9001_9001	9001	9001	46.97963	478.0703	5.557125	5.536125	46.01494	-4492.59
9001_9002	9001	9002	-22.3899	-439.06	-5.55713	-5.53613	-95.4371	8457.904
9002_9002	9002	9002	22.40044	420.9463	-5.21325	15.98494	95.43713	-8457.91
9002_9003	9002	9003	8.217563	-367.949	5.21325	-15.9849	-32.4398	13083.39
9003_9003	9003	9003	-8.232	367.941	-5.1975	-5.25131	32.43975	-13083.4
9003_9004	9003	9004	32.59988	-314.912	5.1975	5.251313	30.39881	17099.6
9004_9004	9004	9004	-32.5986	286.6198	1.053938	20.15344	-30.3988	-17099.6
9004_9005	9004	9005	51.74663	-233.639	-1.05394	-20.1534	17.67413	20154.16
9005_9005	9005	9005	-51.744	233.6329	1.069688	-12.957	-17.6741	-20154.2
9005_9006	9005	9006	64.63931	-180.621	-1.06969	12.957	4.746	22598.91
9006_9006	9006	9006	-64.638	152.0899	0.405563	11.14181	-4.746	-22598.9
9006_9007	9006	9007	74.46731	-99.0846	-0.40556	-11.1418	-0.1575	24072.1
9007_9007	9007	9007	-74.4673	99.078	0.413438	-7.46288	0.1575	-24072.1
9007_9008	9007	9008	78.03075	-46.0779	-0.41344	7.462875	-5.15156	24933.56
9008_9008	9008	9008	-78.0308	17.16225	-0.19031	-1.57894	5.151563	-24933.5
9008_9009	9008	9009	79.002	35.86538	0.190313	1.578938	-2.84944	24816.97
9009_9009	9009	9009	-79.002	-35.8719	-0.19163	0.903	2.849438	-24817
9009_9010	9009	9010	73.70869	88.85494	0.191625	-0.903	-0.53681	24089.08
9010_9010	9010	9010	-73.7087	-119.205	1.135313	15.2985	0.536813	-24089.1
9010_9011	9010	9011	65.793	172.221	-1.13531	-15.2985	-14.2577	22365.43
9011_9011	9011	9011	-65.7917	-172.228	1.14975	-19.1888	14.25769	-22365.4
9011_9012	9011	9012	51.61144	225.2329	-1.14975	19.18875	-28.1597	20030.42
9012_9012	9012	9012	-51.6114	-254.495	0.753375	9.527438	28.15969	-20030.4
9012_9013	9012	9013	34.43738	307.4938	-0.75338	-9.52744	-37.2684	16715.5
9013_9013	9013	9013	-34.4374	-307.5	0.769125	-16.0099	37.26844	-16715.5
9013_9014	9013	9014	11.00531	360.4886	-0.76913	16.00988	-46.5596	12789.92
9014_9014	9014	9014	-11.0014	-388.693	0.736313	2.596125	46.55963	-12789.9
9014_9015	9014	9015	-24.8456	456.8747	-0.73631	-2.59613	-57.9994	6384.757
9015_9015	9015	9015	23.02388	-455.373	0.5145	-7.55869	54.18919	-6335.34
9015_9016	9015	9016	-49.8579	489.4523	-0.5145	7.5705	-58.4391	2539.365
9016_9016	9016	9016	81.80419	-515.991	-4.41394	-5.49413	82.65338	-2643.12
9016_9017	9016	9017	-119.62	564.8934	4.413938	5.516438	-30.7348	-3762.91
9017_9017	9017	9017	135.4264	-562.426	-4.39294	1.355813	31.04981	3761.851
9017_9018	9017	9018	-172.165	621.2863	4.392938	-1.31775	27.27769	-11433.7
9018_9018	9018	9018	191.8455	-647.28	5.6175	-17.3959	-28.9708	11433.99
9018_9019	9018	9019	-217.607	705.4071	-5.6175	17.30269	-41.517	-19697.2
9019_9019	9019	9019	236.6858	-701.723	5.63325	12.76931	44.69456	19698.18
9019_9020	9019	9020	-255.184	763.2949	-5.63325	-12.873	-115.629	-28525.6
9020_9020	9020	9020	-2760.76	237.9248	-33.0422	-4.21969	713.2926	5192.289
9020_9021	9020	9021	2786.701	-197.626	33.04219	4.219688	-399.306	-3227.2
9021_9021	9021	9021	-2780.49	197.5037	-26.8104	2.581688	401.6408	3196.627
9021_9022	9021	9022	2799.439	-167.462	26.81044	-2.58169	-194.158	-1860.66
9022_9022	9022	9022	-2799.41	167.4474	-29.568	0.836063	194.1581	1860.66
9022_9023	9022	9023	2815.505	-137.324	29.568	-0.83606	35.2905	-742.921
9023_9023	9023	9023	-2815.59	112.371	-6.17925	-0.25463	-35.2905	742.9091
9023_9024	9023	9024	2828.915	-81.3173	6.17925	0.254625	84.72713	-21.819
9024_9024	9024	9024	-2828.92	81.30281	-6.17925	-0.25463	-84.7271	21.819
9024_9025	9024	9025	2839.146	-50.2491	6.17925	0.254625	134.1624	463.1865
9025_9025	9025	9025	-2839.15	45.79706	-2.72081	-0.63	-134.162	-463.185
9025_9026	9025	9026	2843.134	-14.7486	2.720813	0.63	155.925	689.283
9026_9026	9026	9026	-2843.13	-7.035	-6.40631	0.003938	-155.925	-689.273
9026_9027	9026	9027	2844.59	30.31219	6.406313	-0.00394	194.3379	571.4244
9027_9027	9027	9027	-2844.6	-30.324	-1.28756	-0.68644	-194.338	-571.424

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9027_9028	9027	9028	2844.316	53.63531	1.287563	0.686438	202.0738	320.4574
9028_9028	9028	9028	-2844.32	-53.6471	-1.79025	-0.66413	-202.074	-320.457
9028_9029	9028	9029	2842.294	76.92038	1.79025	0.664125	212.8101	-62.8058
9029_9029	9029	9029	-2842.29	-76.9309	-1.28756	-0.62081	-212.81	62.80575
9029_9030	9029	9030	2838.525	100.2435	1.287563	0.620813	220.5459	-579.637
9030_9030	9030	9030	-2838.53	-122.355	1.98975	-1.96875	-220.546	579.6328
9030_9031	9030	9031	2831.469	153.3906	-1.98975	1.96875	204.6371	-1653.55
9031_9031	9031	9031	-2831.47	-153.406	1.98975	-1.96875	-204.637	1653.554
9031_9032	9031	9032	2821.321	184.443	-1.98975	1.96875	188.727	-2963.3
9032_9032	9032	9032	-2821.32	-184.459	5.818313	2.166938	-188.727	2963.302
9032_9033	9032	9033	2808.057	215.5296	-5.81831	-2.16694	142.1582	-4510.73
9033_9033	9033	9033	-2808.01	-240.052	20.62331	-6.9195	-142.158	4510.776
9033_9034	9033	9034	2792.185	270.1453	-20.6233	6.9195	-17.7188	-6424.7
9034_9034	9034	9034	-2792.18	-270.16	20.62331	-6.9195	17.71875	6424.702
9034_9035	9034	9035	2773.454	300.2541	-20.6233	6.9195	-177.596	-8560.35
9035_9035	9035	9035	-2780.67	-300.381	27.16613	12.88875	175.8698	8595.805
9035_9036	9035	9036	2755.104	340.6673	-27.1661	-12.8888	-433.934	-11768.5
9036_9036	9036	9036	228.9171	651.8334	-4.22888	-34.9598	62.19544	37172.97
9036_9037	9036	9037	-215.576	-590.269	4.228875	34.88888	-8.99063	-29375.4
9037_9037	9037	9037	199.479	593.1529	-4.116	33.2325	1.904438	29374.46
9037_9038	9037	9038	-180.23	-534.954	4.116	-33.2955	49.76344	-22319.5
9038_9038	9038	9038	163.9339	511.6545	2.907188	-5.15156	-46.3693	22319.5
9038_9039	9038	9039	-135.571	-452.784	-2.90719	5.201438	7.784438	-16118.2
9039_9039	9039	9039	701.7518	446.9273	1.497563	6.239625	-13.5371	12918.2
9039_9040	9039	9040	-682.814	-397.702	-1.49756	-6.25144	-4.07531	-8096.03
9040_9040	9040	9040	674.2772	372.9101	0.437063	0.42525	4.323375	8097.371
9040_9041	9040	9041	-634.077	-338.915	-0.43706	-0.42263	-7.92619	-5357.02
9041_9041	9041	9041	726.6919	341.2054	0.500063	0.700875	5.614875	4858.871
9041_9042	9041	9042	-616.343	-284.483	-0.50006	-0.70088	-13.1657	-336.438
9042_9042	9042	9042	616.3448	257.3012	-0.20738	3.172313	13.16569	336.4305
9042_9043	9042	9043	-536.356	-212.723	0.207375	-3.17231	-10.6969	2104.427
9043_9043	9043	9043	536.3558	212.73	-0.15225	-2.25488	10.69688	-2104.43
9043_9044	9043	9044	-463.847	-168.193	0.15225	2.254875	-8.89613	4043.714
9044_9044	9044	9044	463.8454	135.9881	-0.10106	3.9585	8.896125	-4043.71
9044_9045	9044	9045	-400.922	-91.4196	0.101063	-3.9585	-7.70175	5111.182
9045_9045	9045	9045	400.9215	91.42744	-0.03806	-3.44138	7.70175	-5111.18
9045_9046	9045	9046	-345.416	-46.8628	0.038063	3.441375	-7.24369	5678.849
9046_9046	9046	9046	345.4159	18.79763	0.003938	3.314063	7.243688	-5678.85
9046_9047	9046	9047	-294.064	25.76044	-0.00394	-3.31406	-7.29488	5400.692
9047_9047	9047	9047	294.063	-25.7526	0.066938	-3.36	7.294875	-5400.69
9047_9048	9047	9048	-250.126	70.30669	-0.06694	3.36	-8.08238	4623.058
9048_9048	9048	9048	250.1258	-98.1146	0.195563	1.615688	8.082375	-4623.06
9048_9049	9048	9049	-210.427	142.6635	-0.19556	-1.61569	-10.4042	3003.433
9049_9049	9049	9049	210.4266	-142.656	0.25725	-2.19319	10.40419	-3003.43
9049_9050	9049	9050	-178.138	187.2006	-0.25725	2.193188	-13.4636	884.6447
9050_9050	9050	9050	178.1351	-213.726	-0.23231	-1.11956	13.46363	-884.637
9050_9051	9050	9051	-144.295	270.5023	0.232313	1.119563	-9.94481	-3338.79
9051_9051	9051	9051	144.5036	-268.993	-0.12469	1.241625	10.353	3355.55
9051_9052	9051	9052	-131.35	300.8027	0.124688	-1.23375	-9.324	-5719.28
9052_9052	9052	9052	138.8048	-324.781	-1.41225	-1.64063	9.262313	5720.162
9052_9053	9052	9053	-124.747	370.6172	1.41225	1.620938	7.335563	-9871.84
9053_9053	9053	9053	116.9805	-368.777	-2.98856	0.609	4.466438	9972.771
9053_9054	9053	9054	-119.061	426.972	2.988563	-0.57094	35.21438	-15442.4
9054_9054	9054	9054	133.4589	-450.503	2.961	-9.7755	-36.2053	15444.84
9054_9055	9054	9055	-142.383	507.7039	-2.961	9.72825	-0.96075	-21205.5
9055_9055	9055	9055	156.3608	-503.869	3.01875	7.792313	2.749688	21209.36
9055_9056	9055	9056	-169.866	564.0876	-3.01875	-7.84744	-40.7505	-27669.7
9056_9056	9056	9056	-2364.83	319.0556	-24.9336	-6.76856	439.4303	8158.542

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9056_9057	9056	9057	2399.615	-279.2	24.93356	6.768563	-202.592	-5462.78
9057_9057	9057	9057	-2400.85	279.1911	-20.2965	4.003125	204.2329	5422.843
9057_9058	9057	9058	2426.33	-247.27	20.2965	-4.00313	-46.8904	-3488.88
9058_9058	9058	9058	-2426.35	247.2698	-16.9194	9.15075	46.89038	3488.873
9058_9059	9058	9059	2449.073	-215.352	16.91944	-9.15075	84.26644	-1791.52
9059_9059	9059	9059	-2449.1	191.9846	-6.47981	-0.38063	-84.2664	1791.493
9059_9060	9059	9060	2469.645	-159.075	6.479813	0.380625	136.0551	-475.754
9060_9060	9060	9060	-2469.65	154.6296	-2.96231	1.435875	-136.055	475.7511
9060_9061	9060	9061	2484.304	-121.682	2.962313	-1.43588	159.7588	566.1128
9061_9061	9061	9061	-2484.3	121.6832	-2.96231	1.435875	-159.759	-566.113
9061_9062	9061	9062	2496.023	-88.7342	2.962313	-1.43588	183.4626	1356.071
9062_9062	9062	9062	-2496.02	67.69481	0.513188	0.678563	-183.463	-1356.07
9062_9063	9062	9063	2503.382	-42.9673	-0.51319	-0.67856	180.3821	1655.124
9063_9063	9063	9063	-2503.38	42.96731	-4.16719	1.450313	-180.382	-1655.12
9063_9064	9063	9064	2509.083	-18.2779	4.167188	-1.45031	205.3669	1812.146
9064_9064	9064	9064	-2509.08	18.27788	4.566188	-0.27694	-205.367	-1812.15
9064_9065	9064	9065	2513.136	6.406313	-4.56619	0.276938	177.9908	1827.74
9065_9065	9065	9065	-2513.14	-6.405	0.513188	0.455438	-177.991	-1827.74
9065_9066	9065	9066	2515.551	31.1325	-0.51319	-0.45544	174.9103	1701.592
9066_9066	9066	9066	-2515.55	-52.0879	2.754938	0.0315	-174.91	-1701.6
9066_9067	9066	9067	2516.891	85.02638	-2.75494	-0.0315	152.8761	1142.741
9067_9067	9067	9067	-2516.88	-85.0264	6.028313	0.42525	-152.876	-1142.74
9067_9068	9067	9068	2515.292	117.9623	-6.02831	-0.42525	104.6588	332.199
9068_9068	9068	9068	-2515.29	-117.961	6.028313	0.42525	-104.659	-332.199
9068_9069	9068	9069	2510.769	150.8981	-6.02831	-0.42525	56.44144	-730.072
9069_9069	9069	9069	-2510.73	-173.789	20.02219	-4.40213	-56.4414	730.0913
9069_9070	9069	9070	2503.633	205.6911	-20.0222	4.402125	-98.6751	-2176.74
9070_9070	9070	9070	-2503.63	-205.69	20.24925	-4.08319	98.67506	2176.741
9070_9071	9070	9071	2493.775	237.6321	-20.2493	4.083188	-255.752	-3861.86
9071_9071	9071	9071	-2491.37	-237.647	24.85219	5.877375	256.7198	3897.824
9071_9072	9071	9072	2475.564	277.5098	-24.8522	-5.87738	-492.816	-6287.39
9072_9072	9072	9072	107.9663	610.2981	-2.89275	-15.3366	54.59869	25301.57
9072_9073	9072	9073	-62.9186	-550.48	2.89275	15.2775	-18.1952	-18210.4
9073_9073	9073	9073	47.817	553.9459	-2.77331	19.25306	14.58319	18207.75
9073_9074	9073	9074	3.42825	-497.184	2.773313	-19.3056	20.24663	-11801.6
9074_9074	9074	9074	-18.6336	477.2381	3.188063	2.380875	-18.6047	11800.04
9074_9075	9074	9075	74.26256	-419.518	-3.18806	-2.32313	-23.7077	-6022.69
9075_9075	9075	9075	502.6521	414.057	1.68	1.03425	5.383875	2858.727
9075_9076	9075	9076	-477.409	-368.971	-1.68	-1.04213	-25.1396	1565.828
9076_9076	9076	9076	469.434	347.2337	-0.49481	3.174938	25.13044	-1565.08
9076_9077	9076	9077	-434.772	-316.013	0.494813	-3.17231	-21.0459	4137.95
9077_9077	9077	9077	397.6258	314.2086	-0.51319	-0.504	24.13031	-4088.5
9077_9078	9077	9078	-340.821	-259.645	0.513188	0.504	-17.0993	7765.581
9078_9078	9078	9078	340.8221	236.5178	-0.29925	7.352625	17.09925	-7765.6
9078_9079	9078	9079	-298.848	-192.122	0.29925	-7.35263	-13.7616	9965.672
9079_9079	9079	9079	298.8484	192.1356	-0.23231	-4.66856	13.76156	-9965.67
9079_9080	9079	9080	-262.677	-147.702	0.232313	4.668563	-11.1681	11696.7
9080_9080	9080	9080	262.6772	123.5903	-0.13519	0.89775	11.16806	-11696.7
9080_9081	9080	9081	-229.558	-79.1621	0.135188	-0.89775	-9.66394	12675.29
9081_9081	9081	9081	229.5576	79.17525	-0.13519	0.89775	9.663938	-12675.3
9081_9082	9081	9082	-202.279	-34.7471	0.135188	-0.89775	-8.16113	13182.89
9082_9082	9082	9082	202.2773	9.138938	-0.14831	5.746125	8.161125	-13182.9
9082_9083	9082	9083	-175.888	38.63081	0.148313	-5.74613	-6.3735	12880.36
9083_9083	9083	9083	175.8868	-38.6164	-0.09319	-5.502	6.3735	-12880.4
9083_9084	9083	9084	-156.264	86.34544	0.093188	5.502	-5.25656	12034.33
9084_9084	9084	9084	156.2649	-112.051	0.0315	4.507125	5.256563	-12034.3
9084_9085	9084	9085	-140.687	156.4684	-0.0315	-4.50713	-5.61356	10457.21
9085_9085	9085	9085	140.6869	-156.455	0.095813	-5.61094	5.613563	-10457.2

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9085_9086	9085	9086	-130.948	200.8716	-0.09581	5.610938	-6.67669	8409.408
9086_9086	9086	9086	130.9468	-225.616	-0.07481	1.58025	6.676688	-8409.4
9086_9087	9086	9087	-123.903	270.0705	0.074813	-1.58025	-5.84063	5598.521
9087_9087	9087	9087	123.9013	-270.057	-0.01444	-3.56738	5.840625	-5598.52
9087_9088	9087	9088	-122.702	314.4698	0.014438	3.567375	-5.67919	2319.403
9088_9088	9088	9088	122.6991	-337.696	-0.26119	-2.25881	5.679188	-2319.39
9088_9089	9088	9089	-125.87	390.1498	0.261188	2.258813	-2.24306	-2478.5
9089_9089	9089	9089	131.0597	-388.665	-0.24675	-0.47775	1.756125	2511.674
9089_9090	9089	9090	-136.388	421.4648	0.24675	0.485625	0.286125	-6021.67
9090_9090	9090	9090	146.3569	-448.567	-0.54338	-8.28188	-0.5565	6022.335
9090_9091	9090	9091	-158.957	495.6591	0.543375	8.256938	6.9405	-11586.4
9091_9091	9091	9091	158.7246	-492.533	-1.848	4.591125	1.113	11664.68
9091_9092	9091	9092	-177.272	550.2499	1.848	-4.55438	23.42156	-18465.4
9092_9092	9092	9092	194.9561	-572.913	1.715438	-31.9764	-26.5991	18467.38
9092_9093	9092	9093	-210.706	629.7309	-1.71544	31.90031	5.059688	-26004.2
9093_9093	9093	9093	227.9091	-624.94	1.89	30.42375	1.33875	26007.71
9093_9094	9093	9094	-242.197	684.8284	-1.89	-30.5104	-25.1331	-34231.1
9094_9094	9094	9094	-2718.22	284.8834	-18.165	-5.56106	269.1518	9111.886
9094_9095	9094	9095	2746.303	-245.326	18.165	5.561063	-96.6341	-6618.48
9095_9095	9095	9095	-2748.97	245.4165	-13.5161	4.995375	95.25469	6631.417
9095_9096	9095	9096	2768.112	-213.881	13.51613	-4.99538	9.572063	-4928.74
9096_9096	9096	9096	-2768.11	213.8876	-13.6566	4.743375	-9.57206	4928.742
9096_9097	9096	9097	2784.601	-182.393	13.65656	-4.74338	115.353	-3461.83
9097_9097	9097	9097	-2784.65	158.8952	2.500313	-2.18269	-115.353	3461.78
9097_9098	9097	9098	2798.828	-126.344	-2.50031	2.182688	95.33738	-2378.7
9098_9098	9098	9098	-2798.82	126.3504	6.009938	1.374188	-95.3374	2378.703
9098_9099	9098	9099	2810.186	-93.8411	-6.00994	-1.37419	47.28544	-1545.88
9099_9099	9099	9099	-2810.19	93.84769	6.13725	1.471313	-47.2854	1545.884
9099_9100	9099	9100	2818.762	-61.299	-6.13725	-1.47131	-1.84669	-961.187
9100_9100	9100	9100	-2818.74	41.58	-0.98044	-0.84263	1.846688	961.1753
9100_9101	9100	9101	2823.764	-17.1688	0.980438	0.842625	4.039875	-806.412
9101_9101	9101	9101	-2823.76	17.17406	-1.14188	-0.93319	-4.03988	806.4118
9101_9102	9101	9102	2827.205	7.196438	1.141875	0.933188	10.88588	-791.781
9102_9102	9102	9102	-2827.21	-7.19119	-0.98044	-0.84131	-10.8859	791.7814
9102_9103	9102	9103	2829.077	31.60238	0.980438	0.841313	16.77244	-917.237
9103_9103	9103	9103	-2829.07	-31.5971	3.870563	2.206313	-16.7724	917.2354
9103_9104	9103	9104	2829.371	56.007	-3.87056	-2.20631	-6.46144	-1182.9
9104_9104	9104	9104	-2829.39	-75.6276	-7.623	-2.86388	6.461438	1182.91
9104_9105	9104	9105	2827.922	108.1329	7.623	2.863875	54.47663	-1913.6
9105_9105	9105	9105	-2827.93	-108.126	-3.87056	0.83475	-54.4766	1913.596
9105_9106	9105	9106	2823.66	140.6711	3.870563	-0.83475	85.45556	-2894.26
9106_9106	9106	9106	-2823.66	-140.663	-3.9795	0.690375	-85.4556	2894.255
9106_9107	9106	9107	2816.599	173.1673	3.9795	-0.69038	117.2693	-4122.46
9107_9107	9107	9107	-2816.56	-196.265	12.13144	-4.2735	-117.269	4122.509
9107_9108	9107	9108	2807.069	227.7909	-12.1314	4.2735	23.21025	-5730.54
9108_9108	9108	9108	-2807.07	-227.784	12.13144	-4.2735	-23.2103	5730.538
9108_9109	9108	9109	2794.946	259.3106	-12.1314	4.2735	-70.8501	-7572.45
9109_9109	9109	9109	-2794.76	-259.241	15.14625	4.280063	71.02594	7571.585
9109_9110	9109	9110	2775.667	298.8261	-15.1463	-4.28006	-214.967	-10251.3
9110_9110	9110	9110	192.5923	671.0708	-1.96481	-22.6971	22.44506	35453.08
9110_9111	9110	9111	-162.77	-611.39	1.964813	22.6275	2.285063	-27484.9
9111_9111	9111	9111	145.6704	610.9622	-1.82044	23.91375	-7.05863	27482.21
9111_9112	9111	9112	-112.396	-554.349	1.820438	-23.9754	29.90925	-20450.4
9112_9112	9112	9112	95.49094	533.1572	2.128875	-2.30213	-27.5743	20449.14
9112_9113	9112	9113	-55.5358	-475.676	-2.12888	2.344125	-0.66675	-13911.9
9113_9113	9113	9113	562.9404	472.2218	1.190438	5.742188	2.95575	11030.66
9113_9114	9113	9114	-542.744	-425.057	-1.19044	-5.74875	-16.9562	-5887.62
9114_9114	9114	9114	533.5824	403.1278	-0.16538	1.320375	17.11106	5888.706

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9114_9115	9114	9115	-499.081	-370.453	0.165375	-1.32038	-15.7474	-2839.42
9115_9115	9115	9115	563.3539	372.498	-0.147	0.8505	15.22894	2294.715
9115_9116	9115	9116	-482.594	-320.803	0.147	-0.8505	-13.209	2301.109
9116_9116	9116	9116	482.5984	296.7707	-0.29138	9.058875	13.209	-2301.13
9116_9117	9116	9117	-421.985	-254.692	0.291375	-9.05888	-9.95138	5102.969
9117_9117	9117	9117	421.9845	254.7103	-0.13256	-7.6755	9.951375	-5102.96
9117_9118	9117	9118	-367.644	-212.595	0.132563	7.6755	-8.463	7464.134
9118_9118	9118	9118	367.6444	188.0537	-0.57488	11.48044	8.463	-7464.14
9118_9119	9118	9119	-316.309	-145.976	0.574875	-11.4804	-2.04881	9092.131
9119_9119	9119	9119	316.3086	145.9946	-0.41606	-10.563	2.048813	-9092.13
9119_9120	9119	9120	-271.254	-103.88	0.416063	10.563	2.59875	10278.47
9120_9120	9120	9120	271.2531	78.74213	-0.03281	10.836	-2.59875	-10278.5
9120_9121	9120	9121	-225.838	-33.537	0.032813	-10.836	2.995125	10739.71
9121_9121	9121	9121	225.8379	33.558	0.114188	-10.7966	-2.99513	-10739.7
9121_9122	9121	9122	-187.685	11.68388	-0.11419	10.79663	1.62225	10689.99
9122_9122	9122	9122	187.6862	-36.9758	-0.30581	14.63175	-1.62225	-10690
9122_9123	9122	9123	-154.514	79.08863	0.305813	-14.6318	5.04	9883.323
9123_9123	9123	9123	154.5128	-79.0703	-0.06956	-15.3799	-5.04	-9883.32
9123_9124	9123	9124	-127.67	121.1818	0.069563	15.37988	5.823563	8633.483
9124_9124	9124	9124	127.6695	-149.132	-0.37538	5.839313	-5.82356	-8633.49
9124_9125	9124	9125	-107.762	191.205	0.375375	-5.83931	10.01831	6632.632
9125_9125	9125	9125	107.7602	-191.185	-0.21788	-7.15575	-10.0183	-6632.63
9125_9126	9125	9126	-94.1588	233.2969	0.217875	7.15575	12.45169	4187.029
9126_9126	9126	9126	94.15744	-255.057	0.777	-0.19425	-12.4517	-4187.02
9126_9127	9126	9127	-81.8514	305.5356	-0.777	0.19425	2.039625	382.7941
9127_9127	9127	9127	86.57775	-304.185	0.863625	-1.03819	-2.49638	-363.691
9127_9128	9127	9128	-83.1233	334.5917	-0.86363	1.046063	-4.62525	-2459.45
9128_9128	9128	9128	91.09669	-354.635	-4.18556	-6.15563	4.444125	2460.481
9128_9129	9128	9129	-91.0599	398.4579	4.185563	6.122813	44.7615	-7191.99
9129_9129	9129	9129	93.25444	-395.246	-6.54413	9.489375	-50.0246	7245.083
9129_9130	9129	9130	-108.369	451.4423	6.544125	-9.43031	136.9056	-12806.1
9130_9130	9130	9130	124.8936	-496.007	12.285	-7.65713	-138.46	12809.15
9130_9131	9130	9131	-156.269	551.3734	-12.285	7.535063	-15.7211	-19447.8
9131_9131	9131	9131	171.234	-546.742	12.35981	8.044313	17.38406	19452.19
9131_9132	9131	9132	-198.602	605.2318	-12.3598	-8.18081	-173.083	-26779.6
9132_9132	9132	9132	-2197.4	274.8428	4.545188	3.098813	-33.8428	7127.668
9132_9133	9132	9133	2228.066	-236.275	-4.54519	-3.09881	-9.33056	-4617.3
9133_9133	9133	9133	-2231.78	236.1581	1.313813	-3.47025	10.28869	4635.347
9133_9134	9133	9134	2255.033	-206.959	-1.31381	3.47025	-20.4671	-3013.6
9134_9134	9134	9134	-2255.02	206.9708	4.475625	1.047375	20.46713	3013.602
9134_9135	9134	9135	2275.267	-177.772	-4.47563	-1.04738	-55.1486	-1606.09
9135_9135	9135	9135	-2275.28	152.8367	0.48825	-1.20619	55.14863	1606.087
9135_9136	9135	9136	2292.422	-122.696	-0.48825	1.206188	-59.0507	-575.078
9136_9136	9136	9136	-2292.42	122.7083	3.550313	0.515813	59.05069	575.0784
9136_9137	9136	9137	2306.362	-92.568	-3.55031	-0.51581	-87.4571	227.6518
9137_9137	9137	9137	-2306.36	92.57981	3.550313	0.515813	87.45713	-227.652
9137_9138	9137	9138	2317.101	-62.4383	-3.55031	-0.51581	-115.864	802.1068
9138_9138	9138	9138	-2317.1	40.53131	-6.04931	-0.28613	115.8636	-802.113
9138_9139	9138	9139	2323.668	-17.9248	6.049313	0.286125	-79.5664	949.1974
9139_9139	9139	9139	-2323.67	17.934	-1.96481	-0.00788	79.56638	-949.199
9139_9140	9139	9140	2328.443	4.671188	1.964813	0.007875	-67.7736	967.8769
9140_9140	9140	9140	-2328.44	-4.66331	-1.96481	-0.00788	67.77356	-967.877
9140_9141	9140	9141	2331.41	27.2685	1.964813	0.007875	-55.9808	858.1493
9141_9141	9141	9141	-2331.4	-27.2593	-6.04931	-0.62869	55.98075	-858.149
9141_9142	9141	9142	2332.568	49.8645	6.049313	0.628688	-19.6836	620.0158
9142_9142	9142	9142	-2332.58	-75.8389	-2.11575	-0.15488	19.68356	-620.009
9142_9143	9142	9143	2329.008	105.9791	2.11575	0.154875	-2.75494	-95.8427
9143_9143	9143	9143	-2329	-105.967	-5.17913	-1.89263	2.754938	95.84269

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9143_9144	9143	9144	2322.231	136.1076	5.179125	1.892625	38.67675	-1039.97
9144_9144	9144	9144	-2322.24	-136.096	-2.11575	1.030313	-38.6768	1039.97
9144_9145	9144	9145	2312.261	166.2373	2.11575	-1.03031	55.60538	-2212.37
9145_9145	9145	9145	-2312.26	-187.707	2.799563	1.072313	-55.6054	2212.372
9145_9146	9145	9146	2299.584	216.9064	-2.79956	-1.07231	33.9045	-3732.48
9146_9146	9146	9146	-2299.58	-216.895	-0.36225	-5.35631	-33.9045	3732.478
9146_9147	9146	9147	2283.904	246.0938	0.36225	5.356313	36.70931	-5466.82
9147_9147	9147	9147	-2272.92	-246.184	2.781188	3.198563	-36.792	5413.261
9147_9148	9147	9148	2250.258	284.7495	-2.78119	-3.19856	10.37531	-7847.79
9148_9148	9148	9148	145.6179	551.4626	0.290063	0.312375	-27.2436	26966.14
9148_9149	9148	9149	-111.101	-493.239	-0.29006	-0.36488	23.59875	-20558
9149_9149	9149	9149	97.57388	497.1514	0.290063	1.010625	-23.5791	20554.83
9149_9150	9149	9150	-57.8891	-442.026	-0.29006	-1.05788	19.94475	-14816.5
9150_9150	9150	9150	44.46356	427.2069	-0.93188	0.307125	-19.8279	14814.42
9150_9151	9150	9151	-0.64575	-371.21	0.931875	-0.29531	32.18906	-9657.61
9151_9151	9151	9151	629.3897	365.3633	0.224438	0.858375	-18.3383	6223.202
9151_9152	9151	9152	-606.456	-320.873	-0.22444	-0.82688	15.69225	-2383.86
9152_9152	9152	9152	599.5841	302.2819	0.510563	-2.31656	-15.6384	2384.508
9152_9153	9152	9153	-559.772	-271.509	-0.51056	2.312625	11.424	-206.631
9153_9153	9153	9153	594.3328	274.0592	0.412125	1.492313	-11.2101	23.78906
9153_9154	9153	9154	-507.161	-224.121	-0.41213	-1.49231	5.550563	3032.449
9154_9154	9154	9154	507.1658	200.5434	-0.09319	4.130438	-5.55056	-3032.48
9154_9155	9154	9155	-442.681	-160.594	0.093188	-4.13044	6.571688	4744.678
9155_9155	9155	9155	442.6813	160.6198	-0.00263	-3.70781	-6.57169	-4744.68
9155_9156	9155	9156	-384.905	-120.67	0.002625	3.707813	6.603188	6044.364
9156_9156	9156	9156	384.9064	97.06069	0.09975	4.784063	-6.60319	-6044.37
9156_9157	9156	9157	-335.146	-60.7425	-0.09975	-4.78406	5.609625	6619.262
9157_9157	9157	9157	335.1456	60.76613	0.198188	-4.68563	-5.60963	-6619.26
9157_9158	9157	9158	-290.929	-24.4479	-0.19819	4.685625	3.626438	6853.231
9158_9158	9158	9158	290.9288	1.638	0.013125	4.12125	-3.62644	-6853.23
9158_9159	9158	9159	-249.095	34.68019	-0.01313	-4.12125	3.493875	6505.236
9159_9159	9159	9159	249.0954	-34.6553	0.111563	-4.33913	-3.49388	-6505.24
9159_9160	9159	9160	-212.805	70.97344	-0.11156	4.339125	2.373	5816.32
9160_9160	9160	9160	212.8022	-94.0866	0.238875	-0.25988	-2.373	-5816.31
9160_9161	9160	9161	-175.875	134.001	-0.23888	0.259875	-0.25594	4397.845
9161_9161	9161	9161	175.875	-138.336	0.238875	-0.26381	0.255938	-4397.84
9161_9162	9161	9162	-150.583	178.2874	-0.23888	0.263813	-2.8875	2537.498
9162_9162	9162	9162	150.5779	-199.495	-0.04988	-0.22313	2.8875	-2537.47
9162_9163	9162	9163	-124.312	249.4328	0.049875	0.223125	-2.20106	-683.427
9163_9163	9163	9163	128.6985	-247.837	-0.15225	-0.69038	2.371688	676.534
9163_9164	9163	9164	-118.424	278.6477	0.15225	0.695625	-1.11956	-2928.59
9164_9164	9164	9164	125.1613	-297.021	0.333375	1.828313	1.19175	2929.659
9164_9165	9164	9165	-115.731	341.3904	-0.33338	-1.83619	-5.1135	-6795.04
9165_9165	9165	9165	110.5768	-337.466	-1.16288	-3.89944	13.68938	6877.316
9165_9166	9165	9166	-116.189	393.2736	1.162875	3.946688	1.749563	-11808.1
9166_9166	9166	9166	129.0804	-409.172	0.654938	-7.69388	-2.20238	11811.27
9166_9167	9166	9167	-141.88	464.0777	-0.65494	7.634813	-6.0165	-17347.4
9167_9167	9167	9167	154.6834	-458.946	0.737625	7.115063	7.550813	17352.03
9167_9168	9167	9168	-172.081	516.8625	-0.73763	-7.182	-16.8446	-23294.7
9168_9168	9168	9168	-1979.26	286.7235	-3.22481	-1.35056	48.41288	6794.55
9168_9169	9168	9169	2013.266	-248.416	3.224813	1.350563	-17.7765	-4390.61
9169_9169	9169	9169	-2018.79	248.3355	-0.90694	3.535875	19.26356	4417.532
9169_9170	9169	9170	2044.216	-219.042	0.906938	-3.53588	-12.2364	-2710.06
9170_9170	9170	9170	-2044.22	219.0589	-3.89156	-0.62081	12.23644	2710.062
9170_9171	9170	9171	2066.5	-189.765	3.891563	0.620813	17.92744	-1216.99
9171_9171	9171	9171	-2066.5	166.8949	1.920188	0.921375	-17.9274	1216.993
9171_9172	9171	9172	2085.942	-136.656	-1.92019	-0.92138	2.564625	-82.6665
9172_9172	9172	9172	-2085.94	136.6733	-0.97125	-0.20869	-2.56463	82.6665

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9172_9173	9172	9173	2102.036	-106.435	0.97125	0.208688	10.33725	823.2026
9173_9173	9173	9173	-2102.03	106.4516	1.920188	-0.04988	-10.3373	-823.201
9173_9174	9173	9174	2114.779	-76.2129	-1.92019	0.049875	-5.02556	1500.61
9174_9174	9174	9174	-2114.78	54.08681	1.124813	-0.23888	5.025563	-1500.62
9174_9175	9174	9175	2122.765	-31.4068	-1.12481	0.238875	-11.7784	1723.397
9175_9175	9175	9175	-2122.76	31.42125	-2.73	0.7455	11.77838	-1723.4
9175_9176	9175	9176	2128.868	-8.74125	2.73	-0.7455	4.60425	1817.663
9176_9176	9176	9176	-2128.87	8.754375	1.124813	-0.29138	-4.60425	-1817.66
9176_9177	9176	9177	2133.091	13.92431	-1.12481	0.291375	-2.14856	1783.424
9177_9177	9177	9177	-2133.09	-13.9112	1.124813	-0.29138	2.148563	-1783.42
9177_9178	9177	9178	2135.427	36.59119	-1.12481	0.291375	-8.90138	1620.674
9178_9178	9178	9178	-2135.43	-58.6845	-2.47406	-0.01444	8.901375	-1620.66
9178_9179	9178	9179	2136.432	88.92319	2.474063	0.014438	10.88719	1023.632
9179_9179	9179	9179	-2136.43	-88.9061	0.418688	0.371438	-10.8872	-1023.63
9179_9180	9179	9180	2134.088	119.1448	-0.41869	-0.37144	7.541625	198.1442
9180_9180	9180	9180	-2134.09	-119.126	-2.47406	-1.07756	-7.54163	-198.144
9180_9181	9180	9181	2128.393	149.3664	2.474063	1.077563	27.33019	-855.805
9181_9181	9181	9181	-2128.39	-171.737	4.234125	1.326938	-27.3302	855.8025
9181_9182	9181	9182	2119.593	201.0304	-4.23413	-1.32694	-5.48231	-2267.81
9182_9182	9182	9182	-2119.59	-205.4	4.234125	1.326938	5.482313	2267.811
9182_9183	9182	9183	2104.346	234.6947	-4.23413	-1.32694	-38.2948	-3915.09
9183_9183	9183	9183	-2091.53	-234.735	1.725938	-4.22363	37.60444	3852.569
9183_9184	9183	9184	2068.827	273.0394	-1.72594	4.223625	-54.0054	-6300.55
9184_9184	9184	9184	128.3533	525.2048	-1.20225	-7.47994	7.315875	22927.24
9184_9185	9184	9185	-84.6983	-467.595	1.20225	7.419563	7.826438	-16872.6
9185_9185	9185	9185	71.80425	472.7874	-1.11563	8.348813	-9.43294	16868.72
9185_9186	9185	9186	-23.9663	-418.254	1.115625	-8.40394	23.43075	-11362.3
9186_9186	9186	9186	11.067	403.3155	1.573688	0.578813	-22.659	11359.88
9186_9187	9186	9187	37.93913	-347.862	-1.57369	-0.53025	1.7745	-6543.59
9187_9187	9187	9187	554.7452	344.1362	0.202125	0.883313	-8.13225	3045.995
9187_9188	9187	9188	-531.627	-298.923	-0.20213	-0.88463	5.754	849.0159
9188_9188	9188	9188	525.1811	278.8971	0.223125	-2.95575	-5.69231	-847.943
9188_9189	9188	9189	-489.089	-247.576	-0.22313	2.961	3.850875	2787.121
9189_9189	9189	9189	508.284	250.4631	0.169313	3.001688	-4.02281	-2794.72
9189_9190	9189	9190	-434.095	-197.695	-0.16931	-3.00169	1.689188	5570.159
9190_9190	9190	9190	434.1002	173.3498	-0.0105	-4.60819	-1.68919	-5570.19
9190_9191	9190	9191	-379.701	-131.136	0.0105	4.608188	1.808625	7019.131
9191_9191	9191	9191	379.6997	131.1634	-0.09844	5.418	-1.80863	-7019.13
9191_9192	9191	9192	-331.888	-88.9494	0.098438	-5.418	2.89275	8029.214
9192_9192	9192	9192	331.8906	64.19831	-0.01838	5.747438	-2.89275	-8029.22
9192_9193	9192	9193	-291.661	-26.0138	0.018375	-5.74744	3.072563	8308.016
9193_9193	9193	9193	291.6611	26.03869	0.07875	-5.52563	-3.07256	-8308.02
9193_9194	9193	9194	-256.823	12.14588	-0.07875	5.525625	2.289	8227.73
9194_9194	9194	9194	256.8248	-36.4862	-0.00525	4.62525	-2.289	-8227.73
9194_9195	9194	9195	-224.72	74.67075	0.00525	-4.62525	2.342813	7535.641
9195_9195	9195	9195	224.7197	-74.6458	0.091875	-4.90875	-2.34281	-7535.64
9195_9196	9195	9196	-198.029	112.7923	-0.09188	4.90875	1.434563	6485.711
9196_9196	9196	9196	198.0248	-137.931	0.08925	2.155125	-1.43456	-6485.7
9196_9197	9196	9197	-172.066	180.1446	-0.08925	-2.15513	0.4515	4618.895
9197_9197	9197	9197	172.0648	-180.117	0.177188	-2.98988	-0.4515	-4618.89
9197_9198	9197	9198	-152.694	222.3309	-0.17719	2.989875	-1.49363	2313.231
9198_9198	9198	9198	152.6779	-250.823	0.034125	-0.87938	1.493625	-2313.18
9198_9199	9198	9199	-140.663	303.6285	-0.03413	0.879375	-1.95956	-1617.43
9199_9199	9199	9199	143.4654	-301.704	0.127313	0.286125	2.107875	1580.291
9199_9200	9199	9200	-140.504	334.2084	-0.12731	-0.27694	-3.15656	-4313.8
9200_9200	9200	9200	148.6551	-355.31	-1.27444	-1.05394	3.122438	4315.255
9200_9201	9200	9201	-149.487	402.0857	1.274438	1.010625	11.865	-8936.15
9201_9201	9201	9201	153.0428	-396.929	-3.97031	-0.57356	-1.45688	8985.439

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9201_9202	9201	9202	-169.901	457.1582	3.970313	0.641813	54.16031	-14651.8
9202_9202	9202	9202	185.0153	-476.97	3.458438	6.863063	-53.6183	14656.02
9202_9203	9202	9203	-203.945	536.0604	-3.45844	-6.92344	10.20338	-20885.5
9203_9203	9203	9203	218.6691	-529.758	3.377063	-10.6995	-12.1275	20891.45
9203_9204	9203	9204	-238.664	591.8666	-3.37706	10.63256	-30.3831	-27954.6
9204_9204	9204	9204	-2362.58	311.073	-16.3367	-4.04644	317.3271	8222.828
9204_9205	9204	9205	2394.063	-269.601	16.33669	4.046438	-162.133	-5514.34
9205_9205	9205	9205	-2395.25	269.5481	-13.5529	3.930938	163.7698	5226.491
9205_9206	9205	9206	2418.42	-237.669	13.55288	-3.93094	-58.737	-3355.05
9206_9206	9206	9206	-2418.42	237.6859	-13.5529	3.930938	58.737	3355.055
9206_9207	9206	9207	2438.59	-205.807	13.55288	-3.93094	46.2945	-1718.61
9207_9207	9207	9207	-2438.64	179.9503	-4.09631	-0.924	-46.2945	1718.603
9207_9208	9207	9208	2456.164	-147.043	4.096313	0.924	79.06631	-482.247
9208_9208	9208	9208	-2456.17	147.0617	-0.70088	0.966	-79.0663	482.2466
9208_9209	9208	9209	2470.487	-114.153	0.700875	-0.966	84.66806	503.7178
9209_9209	9209	9209	-2470.48	114.1718	2.695875	1.787625	-84.6681	-503.72
9209_9210	9209	9210	2481.603	-81.2648	-2.69588	-1.78763	63.10106	1239.293
9210_9210	9210	9210	-2481.56	58.02169	-6.89063	0.58275	-63.1011	-1239.3
9210_9211	9210	9211	2488.26	-33.3414	6.890625	-0.58275	104.4461	1485.285
9211_9211	9211	9211	-2488.27	33.35456	-2.3625	0.347813	-104.446	-1485.29
9211_9212	9211	9212	2493.166	-8.673	2.3625	-0.34781	118.6224	1590.423
9212_9212	9212	9212	-2493.17	8.687438	2.165625	0.042	-118.622	-1590.43
9212_9213	9212	9213	2496.263	15.99413	-2.16563	-0.042	105.63	1554.71
9213_9213	9213	9213	-2496.26	-15.981	6.69375	-0.11944	-105.63	-1554.71
9213_9214	9213	9214	2497.552	40.66256	-6.69375	0.119438	65.4675	1378.141
9214_9214	9214	9214	-2497.64	-63.5106	-8.79638	-3.06075	-65.4675	-1378.13
9214_9215	9214	9215	2497.207	96.37819	8.796375	3.06075	135.7571	739.0898
9215_9215	9215	9215	-2497.22	-96.3611	-2.03963	-1.07231	-135.757	-739.091
9215_9216	9215	9216	2493.589	129.2708	2.039625	1.072313	152.0702	-151.041
9216_9216	9216	9216	-2493.58	-129.252	4.752563	3.2025	-152.07	151.0386
9216_9217	9216	9217	2486.749	162.1633	-4.75256	-3.2025	114.0471	-1291.64
9217_9217	9217	9217	-2486.69	-188.278	14.67506	-14.3745	-114.047	1291.801
9217_9218	9217	9218	2476.982	220.1627	-14.6751	14.3745	0.296625	-2838.09
9218_9218	9218	9218	-2476.91	-220.144	25.1895	2.584313	-0.29663	2838.094
9218_9219	9218	9219	2464.191	252.0302	-25.1895	-2.58431	-194.959	-4619.57
9219_9219	9219	9219	-2456.84	-256.47	26.29069	8.292375	195.0401	4885.225
9219_9220	9219	9220	2433.477	297.948	-26.2907	-8.29238	-444.859	-7425.78
9220_9220	9220	9220	223.9217	581.511	-4.00575	-35.8404	31.01831	26857.78
9220_9221	9220	9221	-187.668	-519.736	4.00575	35.79188	19.38038	-20065.7
9221_9221	9221	9221	173.2251	526.7273	-3.76163	39.01144	-27.0979	20060.96
9221_9222	9221	9222	-133.664	-467.955	3.761625	-39.0548	74.33213	-14080.7
9222_9222	9222	9222	118.755	443.6946	6.051938	-1.12088	-70.5784	14079.54
9222_9223	9222	9223	-78.2801	-383.796	-6.05194	1.169438	-9.73744	-8643.3
9223_9223	9223	9223	632.2391	381.8076	2.796938	3.71175	-34.0699	5511.897
9223_9224	9223	9224	-608.377	-334.244	-2.79694	-3.76819	1.195688	-1490.17
9224_9224	9224	9224	600.8769	309.9705	0.602438	11.51194	-1.19963	1492.273
9224_9225	9224	9225	-565.639	-276.953	-0.60244	-11.4988	-3.77869	816.5627
9225_9225	9225	9225	531.2409	280.8212	0.8295	-7.57706	4.794563	-585.752
9225_9226	9225	9226	-462.404	-220.978	-0.8295	7.577063	-16.8105	3926.828
9226_9226	9226	9226	462.4791	194.418	0.371438	12.52256	16.8105	-3927.27
9226_9227	9226	9227	-415.992	-147.431	-0.37144	-12.5226	-21.0276	5671.932
9227_9227	9227	9227	415.9929	147.4581	0.581438	-11.4266	21.02756	-5671.93
9227_9228	9227	9228	-376.075	-100.464	-0.58144	11.42663	-27.6347	6908.79
9228_9228	9228	9228	376.0759	76.29563	0.147	12.6945	27.63469	-6909.04
9228_9229	9228	9229	-341.712	-29.3331	-0.147	-12.6945	-29.3081	7358.783
9229_9229	9229	9229	341.7107	29.36063	0.357	-13.3284	29.30813	-7358.78
9229_9230	9229	9230	-313.908	17.60981	-0.357	13.32844	-33.3703	7301.091
9230_9230	9230	9230	313.8529	-42.6234	3.381	13.34813	33.37031	-7300.77

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9230_9231	9230	9231	-290.494	92.37638	-3.381	-13.3481	-74.0841	6380.633
9231_9231	9231	9231	290.5206	-92.3501	3.56475	-5.40488	74.08406	-6380.69
9231_9232	9231	9232	-277.9	129.4427	-3.56475	5.404875	-106.088	5483.899
9232_9232	9232	9232	281.988	-128.069	4.538625	-32.6957	120.1541	-5500.11
9232_9233	9232	9233	-278.1	141.015	-4.53863	32.70619	-134.118	5004.733
9233_9233	9233	9233	280.7162	-166.273	-9.34763	4.721063	134.3948	-5004.05
9233_9234	9233	9234	-269.137	206.577	9.347625	-4.90744	-45.2918	3129.437
9234_9234	9234	9234	272.9331	-202.013	-9.14025	-7.50356	44.95706	-3128.37
9234_9235	9234	9235	-264.441	233.5712	9.14025	7.226625	22.60388	1420.55
9235_9235	9235	9235	261.3463	-229.964	-10.5171	-13.7813	-30.2807	-1383.41
9235_9236	9235	9236	-258.792	261.1009	10.51706	13.42819	95.82956	-188.047
9236_9236	9236	9236	264.6394	-282.697	15.67256	-7.47206	-95.7587	190.2206
9236_9237	9236	9237	-264.633	332.9196	-15.6726	8.493188	-58.8473	-3286.33
9237_9237	9237	9237	208.1979	-328.863	15.87338	3.0345	135.3069	3699.459
9237_9238	9237	9238	-219.94	378.1982	-15.8734	-1.7745	-284.012	-7043.72
9238_9238	9238	9238	232.3729	-402.899	-10.3635	-16.2225	282.618	7046.174
9238_9239	9238	9239	-244.472	451.6693	10.3635	15.582	-189.494	-10813.5
9239_9239	9239	9239	250.6954	-447.734	-10.2165	8.20575	192.5818	10817.39
9239_9240	9239	9240	-256.463	469.6283	10.2165	-8.49975	-152.333	-12621.7
9240_9240	9240	9240	-1735.72	377.2558	17.29088	16.08863	851.6786	3266.994
9240_9241	9240	9241	1750.181	-346.148	-17.2909	-16.0886	-961.15	-1035.5
9241_9241	9241	9241	-1747.7	290.5613	-42.1759	-0.75206	961.1503	1035.611
9241_9242	9241	9242	1755.554	-275.032	42.17588	0.752063	-827.846	-173.653
9242_9242	9242	9242	-1752.89	275.0239	-38.3263	0.946313	830.1759	160.461
9242_9243	9242	9243	1779.851	-215.159	38.32631	-0.94631	-356.701	2757.485
9243_9243	9243	9243	-1779.93	215.1818	-32.8952	-3.61594	356.7008	-2757.53
9243_9244	9243	9244	1795.336	-171.647	32.89519	3.615938	-61.1704	4431.931
9244_9244	9244	9244	-1794.87	144.1926	-39.0876	8.611313	61.17038	-4431.14
9244_9245	9244	9245	1811.56	-93.5419	39.08756	-8.61131	347.3873	5604.741
9245_9245	9245	9245	-1811.65	93.56288	-33.3887	-3.16838	-347.387	-5604.76
9245_9246	9245	9246	1822.358	-49.1282	33.38869	3.168375	653.5397	6214.243
9246_9246	9246	9246	-1822.91	28.70175	-12.5711	9.041813	-653.54	-6213.2
9246_9247	9246	9247	1831.124	-22.41488	12.57113	-9.04181	786.1494	6211.266
9247_9247	9247	9247	-1831.15	-22.3939	-5.72775	-6.30788	-786.149	-6211.29
9247_9248	9247	9248	1834.317	66.41644	5.72775	6.307875	838.1901	5793.185
9248_9248	9248	9248	-1834.39	-88.4218	1.386	4.16325	-838.19	-5792.55
9248_9249	9248	9249	1834.505	134.4026	-1.386	-4.16325	825.0349	4732.739
9249_9249	9249	9249	-1834.5	-134.383	6.405	-3.16313	-825.035	-4732.74
9249_9250	9249	9250	1830.262	183.4928	-6.405	3.163125	760.1213	3136.459
9250_9250	9250	9250	-1830.42	-204.959	25.76438	-2.30869	-760.121	-3136.23
9250_9251	9250	9251	1822.597	252.8216	-25.7644	2.308688	505.6446	904.2679
9251_9251	9251	9251	-1822.53	-252.801	30.79388	-0.18769	-505.645	-904.268
9251_9252	9251	9252	1810.615	300.0428	-30.7939	0.187688	205.4378	-1745.46
9252_9252	9252	9252	-1810.15	-336.268	4.11075	-80.6334	-205.438	1744.155
9252_9253	9252	9253	1806.038	351.5781	-4.11075	80.63344	192.4519	-2815.12
9253_9253	9253	9253	-1803.02	-351.56	7.90125	-72.1468	-192.695	2800.707
9253_9254	9253	9254	1787.953	398.2309	-7.90125	72.14681	117.6236	-6367.62
9254_9254	9254	9254	222.7391	441.3242	-35.9927	86.1315	137.5763	16303.45
9254_9255	9254	9255	-191.641	-376.311	35.99269	-86.5043	291.5811	-11571.3
9255_9255	9255	9255	176.82	328.9007	28.31194	-17.598	-279.062	11564.89
9255_9256	9255	9256	-148.511	-272.875	-28.3119	17.74238	-23.3743	-8429.29
9256_9256	9256	9256	142.0663	278.754	28.53375	22.21013	20.1705	8426.302
9256_9257	9256	9257	-114.799	-222.662	-28.5338	-22.0881	-334.313	-5634.81
9257_9257	9257	9257	109.4573	194.6923	-12.5606	-9.89888	335.9856	5633.173
9257_9258	9257	9258	-98.3378	-170.622	12.56063	9.892313	-275.642	-4795.94
9258_9258	9258	9258	39.99581	175.0219	-12.5016	-2.4255	275.8744	5101.428
9258_9259	9258	9259	-20.3149	-131.707	12.50156	2.417625	-149.508	-3519.23
9259_9259	9259	9259	17.83425	135.0077	-12.3375	12.39131	149.1669	3518.339

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9259_9260	9259	9260	-12.1118	-106.324	12.3375	-12.3939	-66.171	-2676.77
9260_9260	9260	9260	512.2123	79.30781	-0.44363	23.45831	8.695313	140.7765
9260_9261	9260	9261	-522.107	-65.5069	0.443625	-23.4544	-7.29094	138.3047
9261_9261	9261	9261	543.8672	67.45856	0.170625	7.3815	3.854813	-383.855
9261_9262	9261	9262	-580.935	-18.2595	-0.17063	-7.3815	-5.81438	1056.998
9262_9262	9262	9262	580.9335	18.28838	0.618188	-12.3769	5.814375	-1057
9262_9263	9262	9263	-618.394	24.08569	-0.61819	12.37688	-11.9109	1208.429
9263_9263	9263	9263	618.4382	-57.4416	1.262625	6.39975	11.91094	-1208.41
9263_9264	9263	9264	-671.021	107.8599	-1.26263	-6.39975	-26.7343	487.1147
9264_9264	9264	9264	671.0222	-107.828	1.51725	-6.27375	26.73431	-487.111
9264_9265	9264	9265	-728.531	156.3936	-1.51725	6.27375	-43.9058	-738.332
9265_9265	9265	9265	728.5884	-185.812	0.941063	3.484688	43.90575	738.5674
9265_9266	9265	9266	-795.798	236.3209	-0.94106	-3.48469	-54.978	-2909.91
9266_9266	9266	9266	795.7989	-236.289	1.182563	-5.41406	54.978	2909.918
9266_9267	9266	9267	-867.156	284.7705	-1.18256	5.414063	-68.3314	-5523.88
9267_9267	9267	9267	867.3131	-316.374	2.342813	-1.15894	68.33138	5524.952
9267_9268	9267	9268	-913.616	345.0851	-2.34281	1.158938	-83.9961	-7524.56
9268_9268	9268	9268	913.6181	-345.067	2.421563	-2.27981	83.99606	7524.572
9268_9269	9268	9269	-962.577	373.9523	-2.42156	2.279813	-100.293	-10206.1
9269_9269	9269	9269	872.6799	-368.852	2.586938	-4.10944	94.83994	10941.22
9269_9270	9269	9270	-912.349	413.3233	-2.58694	4.101563	-119.772	-14677.8
9270_9270	9270	9270	921.9971	-435.081	-3.89156	-15.3418	119.3089	14679.34
9270_9271	9270	9271	-922.386	483.7481	3.891563	15.36281	-78.9219	-19556.8
9271_9271	9271	9271	801.1093	-478.261	-3.60281	-3.4755	69.76725	20364.36
9271_9272	9271	9272	-782.881	521.7936	3.602813	3.4965	-40.3764	-24142.5
9272_9272	9272	9272	790.1394	-516.345	-3.31144	27.32231	42.54206	24141.83
9272_9273	9272	9273	-772.804	544.425	3.311438	-27.3118	-25.4494	-26694.2
9273_9273	9273	9273	786.1468	-574.5	6.099188	-50.3987	19.06669	26698.2
9273_9274	9273	9274	-739.959	641.3308	-6.09919	49.82119	-91.9314	-34104.4
9274_9274	9274	9274	757.4569	-635.674	6.559875	30.01163	100.1175	34104.79
9274_9275	9274	9275	-707.679	712.6193	-6.55988	-30.7729	-186.42	-42308.8
9275_9275	9275	9275	-2645.25	454.8075	-66.045	-4.55831	1402.916	13834.83
9275_9276	9275	9276	2702.482	-429.766	66.045	4.558313	-1080.43	-11916
9276_9276	9276	9276	-2702.56	429.7768	-62.9003	2.00025	1080.432	11916.01
9276_9277	9276	9277	2755.751	-406.085	62.90025	-2.00025	-789.843	-10209.3
9277_9277	9277	9277	-2713.99	405.9208	-58.212	4.780125	789.3546	10248.48
9277_9278	9277	9278	2824.399	-361.616	58.212	-4.78013	-253.116	-7191.28
9278_9278	9278	9278	-3210.24	347.4555	-35.3666	-14.6173	325.5761	9063.88
9278_9279	9278	9279	3233.172	-293.22	35.36663	14.61731	74.36494	-5535.2
9279_9279	9279	9279	-3233.28	293.2466	-20.7283	12.77719	-74.3649	5535.181
9279_9280	9279	9280	3250.931	-237.359	20.72831	-12.7772	315.9096	-2516.59
9280_9280	9280	9280	-3251.61	203.0018	-32.0066	-3.7275	-315.91	2517.383
9280_9281	9280	9281	3262.649	-146.844	32.00663	3.7275	690.6716	-514.895
9281_9281	9281	9281	-3262.75	146.8701	-18.2424	3.064688	-690.672	514.8938
9281_9282	9281	9282	3267.696	-89.5952	18.24244	-3.06469	908.5256	875.5215
9282_9282	9282	9282	-3308.91	64.93594	-12.7798	1.0185	-921.362	-687.889
9282_9283	9282	9283	3310.989	-10.0971	12.77981	-1.0185	1079.921	1143.069
9283_9283	9283	9283	-3311	10.122	3.587063	0.821625	-1079.92	-1143.1
9283_9284	9283	9284	3307.753	39.54038	-3.58706	-0.82163	1039.619	988.9438
9284_9284	9284	9284	-3306.1	-89.4495	72.02738	-1.8585	-1039.62	-988.923
9284_9285	9284	9285	3298.252	134.2136	-72.0274	1.8585	310.1634	-113.312
9285_9285	9285	9285	-3298.02	-134.194	82.14281	1.710188	-310.163	113.295
9285_9286	9285	9286	3287.218	175.6479	-82.1428	-1.71019	-460.194	-1524.05
9286_9286	9286	9286	-3287.12	-220.732	-14.4493	-45.7603	460.194	1524.138
9286_9287	9286	9287	3281.867	238.5206	14.44931	45.76031	-402.046	-2427.7
9287_9287	9287	9287	-3278.8	-238.544	-16.4338	-46.4494	403.3273	2125.031
9287_9288	9287	9288	3264.22	283.5538	16.43381	46.44938	-247.236	-4593.96
9288_9288	9288	9288	320.0873	1047.026	-32.235	74.92538	-54.9518	29424.42

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9288_9289	9288	9289	-297.252	-989.528	32.235	-74.7088	400.5816	-18709.8
9289_9289	9289	9289	259.8278	862.5212	25.31156	-16.9273	-389.982	18711.06
9289_9290	9289	9290	-229.643	-801.163	-25.3116	16.83413	88.72106	-8760.96
9290_9290	9290	9290	205.5638	808.1391	25.4835	11.70488	-90.4628	8758.491
9290_9291	9290	9291	-172.804	-750.11	-25.4835	-11.7679	-205.106	318.4571
9291_9291	9291	9291	155.4433	699.1136	-16.7738	13.85606	205.0873	-319.64
9291_9292	9291	9292	-144.288	-678.654	16.77375	-13.8443	-135.503	3278.569
9292_9292	9292	9292	112.7634	681.534	-16.4286	6.4155	134.8817	-3171.87
9292_9293	9292	9293	-90.2357	-646.627	16.42856	-6.40631	-3.255	8902.166
9293_9293	9293	9293	81.78844	648.7898	-16.2908	-5.72775	3.342938	-8902.42
9293_9294	9293	9294	-63.1024	-614.081	16.29075	5.72775	126.7206	14252.84
9294_9294	9294	9294	63.36881	563.5324	-1.37681	50.94075	-126.723	-14254.9
9294_9295	9294	9295	-54.0855	-546.112	1.376813	-50.9408	132.2423	15379.16
9295_9295	9295	9295	82.17825	546.4358	-1.01588	7.750313	-133.597	-15537.5
9295_9296	9295	9296	-63.8978	-496.063	1.015875	-7.75031	143.9458	20761.33
9296_9296	9296	9296	63.90038	496.0778	-0.85575	-35.2958	-143.946	-20761.3
9296_9297	9296	9297	-51.4513	-455.22	0.85575	35.29575	151.0163	24632.9
9297_9297	9297	9297	-79.8525	410.3282	4.518938	45.13294	-104.441	-23896.2
9297_9298	9297	9298	86.56725	-353.75	-4.51894	-45.1329	52.51181	28259.21
9298_9298	9298	9298	-86.5449	353.7686	4.732875	-33.0081	-52.5118	-28259.3
9298_9299	9298	9299	89.08856	-301.193	-4.73288	33.00806	1.962188	31748.43
9299_9299	9299	9299	-89.2159	256.8891	1.21275	58.38	-1.96219	-31752.8
9299_9300	9299	9300	90.55594	-203.717	-1.21275	-58.38	-11.13	34237.73
9300_9300	9300	9300	-90.5559	203.7381	1.416188	-35.8903	11.13	-34237.8
9300_9301	9300	9301	87.42431	-140.692	-1.41619	35.89031	-29.2688	36462.51
9301_9301	9301	9301	-87.4899	93.66394	-0.42656	69.20944	29.26875	-36467.1
9301_9302	9301	9302	82.46044	-35.2879	0.426563	-69.2094	-24.2183	37259.79
9302_9302	9302	9302	-82.4604	35.30756	-0.1785	-57.9088	24.21825	-37259.8
9302_9303	9302	9303	73.14169	22.56581	0.1785	57.90881	-22.113	37383.09
9303_9303	9303	9303	-73.1574	-68.3629	0.742875	53.62219	22.113	-37388.4
9303_9304	9303	9304	61.17431	130.2013	-0.74288	-53.6222	-31.4501	36202.61
9304_9304	9304	9304	-61.1678	-130.182	0.9555	-53.8033	31.45013	-36202.6
9304_9305	9304	9305	46.56356	184.5467	-0.9555	53.80331	-42.0013	34538.02
9305_9305	9305	9305	-46.6003	-229.762	0.489563	61.70325	42.00131	-34542.3
9305_9306	9305	9306	30.30825	284.1641	-0.48956	-61.7033	-47.4049	31783.97
9306_9306	9306	9306	-30.3083	-284.144	0.746813	-53.1208	47.40488	-31784
9306_9307	9306	9307	7.175438	345.9422	-0.74681	53.12081	-56.7761	27943.48
9307_9307	9307	9307	-7.21088	-387.517	0.350438	23.78644	56.77613	-27947
9307_9308	9307	9308	-17.3841	446.0584	-0.35044	-23.7864	-60.942	23111.75
9308_9308	9308	9308	17.38538	-450.584	0.513188	-28.6584	60.942	-23111.7
9308_9309	9308	9309	-48.8762	508.1974	-0.51319	28.65844	-66.9546	17655.04
9309_9309	9309	9309	48.57038	-549.951	-10.2323	8.915813	66.95456	-17656.8
9309_9310	9309	9310	-84.84	608.7506	10.23225	-8.91581	55.25625	10913.44
9310_9310	9310	9310	84.79406	-608.731	-10.0196	-21.3596	-55.2563	-10913.4
9310_9311	9310	9311	-124.475	666.1029	10.01963	21.35963	172.0268	3677.453
9311_9311	9311	9311	126.1142	-702.615	51.85819	-19.9907	-172.027	-3678.99
9311_9312	9311	9312	-139.069	718.9468	-51.8582	19.99069	0	1384.008
9400_9020	9400	9020	3142.503	-315.511	58.35375	1.857188	-525.242	-5199.3
9400_9401	9400	9401	-3143.88	320.7369	-58.3538	-1.85719	286.5424	3898.006
9401_9401	9401	9401	3142.537	-314.475	24.70519	-0.18113	-269.215	-3898.16
9401_9402	9401	9402	-3143.73	318.9309	-24.7052	0.181125	182.9769	2792.664
9402_9402	9402	9402	3150.578	-242.612	18.56794	-1.3125	-184.559	-2792.56
9402_9403	9402	9403	-3154.63	256.4573	-18.5679	1.3125	-18.1663	68.0715
9403_9403	9403	9403	3174.945	-161.708	-1.06969	-0.92663	30.24919	-68.0374
9403_9404	9403	9404	-3177.91	170.7641	1.069688	0.926625	-22.5396	-1130.55
9404_9404	9404	9404	3181.017	-96.7654	-2.95313	-0.77438	22.75088	1130.551
9404_9405	9404	9405	-3184.19	105.7547	2.953125	0.774375	-1.44638	-1860.99
9405_9405	9405	9405	3204.667	4.180313	-1.02638	-0.64969	14.97563	1861.015

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9405_9406	9405	9406	-3211.63	13.54369	1.026375	0.649688	-0.17588	-1928.49
9406_9406	9406	9406	3221.883	98.68556	-1.79681	-0.88594	14.7945	1928.498
9406_9407	9406	9407	-3226.55	-87.9585	1.796813	0.885938	1.116938	-1102.31
9407_9407	9407	9407	3224.062	154.1256	-3.9375	-0.147	-0.80588	1102.307
9407_9408	9407	9408	-3227.28	-147.114	3.9375	0.147	22.68525	-265.242
9408_9408	9408	9408	3196.369	-536.706	-0.90431	-4.51763	-26.3734	265.2628
9408_9409	9408	9409	-3197.29	540.813	0.904313	4.517625	29.1165	-1897.77
9409_9409	9409	9409	3191.829	511.6178	-1.87163	3.027938	-28.7897	1899.522
9409_9410	9409	9410	-3190.91	-507.525	1.871625	-3.02794	34.44394	-360.406
9410_9410	9410	9410	3213.557	-171.974	6.53625	-2.03306	-29.8699	360.4243
9410_9411	9410	9411	-3210.34	178.9843	-6.53625	2.033063	-6.45619	-1335.64
9411_9411	9411	9411	3213.327	-113.409	1.346625	-0.03938	5.488875	1335.649
9411_9412	9411	9412	-3208.66	124.1336	-1.34663	0.039375	-17.409	-2386.91
9412_9412	9412	9412	3195.657	-10.9581	0.694313	-0.72056	2.804813	2386.931
9412_9413	9412	9413	-3188.69	28.69913	-0.69431	0.720563	-12.8166	-2672.91
9413_9413	9413	9413	3165.369	79.34325	2.743125	-1.16156	-0.05381	2672.914
9413_9414	9413	9414	-3162.2	-70.3605	-2.74313	1.161563	-19.719	-2133.27
9414_9414	9414	9414	3159.711	143.8224	0.455438	-0.05119	19.17431	2133.278
9414_9415	9414	9415	-3156.75	-134.774	-0.45544	0.051188	-22.4516	-1129.63
9415_9415	9415	9415	3129.412	229.6954	-10.4829	-1.10381	9.387	1129.65
9415_9416	9415	9416	-3125.36	-215.854	10.48294	1.103813	105.0486	1302.244
9416_9416	9416	9416	3119.075	292.9933	-8.97225	2.139375	-105.217	-1302.23
9416_9417	9416	9417	-3117.89	-288.53	8.97225	-2.13938	136.5814	2318.732
9417_9417	9417	9417	3119.228	295.638	-45.0726	-2.16038	-148.981	-2318.85
9417_9036	9417	9036	-3117.85	-290.405	45.07256	2.160375	333.5522	3589.137
9420_9056	9420	9056	2689.986	-295.282	45.16575	1.84275	-282.836	-5124.9
9420_9421	9420	9421	-2691.21	299.922	-45.1658	-1.84275	97.80356	3905.684
9421_9421	9421	9421	2689.874	-292.274	8.024625	0.786188	-84.3203	-3905.63
9421_9422	9421	9422	-2690.93	296.2194	-8.02463	-0.78619	56.32725	2879.25
9422_9422	9422	9422	2697.264	-231.602	5.9535	-0.13256	-56.9573	-2879.24
9422_9423	9422	9423	-2700.86	243.8743	-5.9535	0.132563	-8.05613	282.9054
9423_9423	9423	9423	2723.582	-162.36	-0.49875	-0.00394	21.35044	-282.895
9423_9424	9423	9424	-2726.2	170.3809	0.49875	0.003938	-17.7542	-916.09
9424_9424	9424	9424	2729.43	-106.887	-2.80481	0.3675	18.02588	916.0843
9424_9425	9424	9425	-2732.24	114.8477	2.804813	-0.3675	2.193188	-1715.48
9425_9425	9425	9425	2749.69	-21.693	-1.28756	0.284813	12.98063	1715.476
9425_9426	9425	9426	-2755.86	37.40231	1.287563	-0.28481	5.571563	-2141.39
9426_9426	9426	9426	2764.318	58.44169	1.038188	-0.30188	9.973688	2141.39
9426_9427	9426	9427	-2768.45	-48.9326	-1.03819	0.301875	-19.1704	-1665.97
9427_9427	9427	9427	2766.875	105.4449	-2.55281	1.431938	20.13638	1665.959
9427_9428	9427	9428	-2769.75	-99.1909	2.552813	-1.43194	-5.943	-1097.07
9428_9428	9428	9428	2735.421	-484.538	4.543875	-0.3675	1.510688	1097.07
9428_9429	9428	9429	-2736.24	488.187	-4.54388	0.3675	-15.2381	-2566.46
9429_9429	9429	9429	2738.055	494.3111	-4.851	0.710063	15.162	2568.689
9429_9430	9429	9430	-2737.24	-490.662	4.851	-0.71006	-0.50794	-1081.14
9430_9430	9430	9430	2766.582	-93.303	2.058	-0.43575	4.116	1081.134
9430_9431	9430	9431	-2763.71	99.55838	-2.058	0.43575	-15.5571	-1617.29
9431_9431	9431	9431	2765.165	-43.2889	-0.63	0.809813	14.86669	1617.295
9431_9432	9431	9432	-2761.03	52.79531	0.63	-0.80981	-9.28594	-2042.67
9432_9432	9432	9432	2746.358	43.65113	1.47525	0.35175	-5.66213	2042.654
9432_9433	9432	9433	-2740.19	-27.9353	-1.47525	-0.35175	-15.6122	-1526.53
9433_9433	9433	9433	2715.473	120.1764	2.048813	0.448875	0.76125	1526.516
9433_9434	9433	9434	-2712.66	-112.219	-2.04881	-0.44888	-15.5308	-689.087
9434_9434	9434	9434	2709.245	176.4302	0.5565	0.468563	15.41006	689.0901
9434_9435	9434	9435	-2706.62	-168.404	-0.5565	-0.46856	-19.4211	554.4066
9435_9435	9435	9435	2689.319	248.4733	-15.918	0.783563	6.460125	-554.437
9435_9436	9435	9436	-2685.72	-236.209	15.918	-0.78356	167.2755	3199.372
9436_9436	9436	9436	2679.044	302.4591	-20.1771	-0.33075	-165.807	-3199.45

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9436_9437	9436	9437	-2677.99	-298.505	20.17706	0.33075	236.3288	4249.645
9437_9437	9437	9437	2680.124	303.6193	-38.1452	-1.72331	-255.413	-4249.62
9437_9072	9437	9072	-2678.9	-298.985	38.14519	1.723313	411.5514	5482.944
9440_9094	9440	9094	3096.404	-276.016	39.48263	1.085438	-182.268	-3454.93
9440_9441	9440	9441	-3097.61	280.6125	-39.4826	-1.08544	20.47631	2280.238
9441_9441	9441	9441	3095.222	-271.836	1.320375	0.02625	-3.68419	-2280.18
9441_9442	9441	9442	-3096.27	275.7471	-1.32038	-0.02625	-0.92531	1324.505
9442_9442	9442	9442	3102.04	-200.618	0.237563	-0.46725	0.7875	-1324.51
9442_9443	9442	9443	-3105.6	212.7694	-0.23756	0.46725	-3.38494	-932.204
9443_9443	9443	9443	3125.521	-118.296	-2.18006	0.065625	22.56188	932.2215
9443_9444	9443	9444	-3128.12	126.2336	2.180063	-0.06563	-6.86044	-1812.75
9444_9444	9444	9444	3130.184	-54.8861	-1.55006	-0.45806	6.7305	1812.748
9444_9445	9444	9445	-3132.97	62.77819	1.550063	0.458063	4.454625	-2237.25
9445_9445	9445	9445	3141.402	44.70113	-2.34806	-0.06038	16.53094	2237.255
9445_9446	9445	9446	-3147.51	-29.1388	2.348063	0.060375	17.31975	-1705.02
9446_9446	9446	9446	3146.966	138.5843	4.049063	-0.22969	2.529188	1705.031
9446_9447	9446	9447	-3151.06	-129.162	-4.04906	0.229688	-38.3946	-519.108
9447_9447	9447	9447	3147.585	196.3854	-3.99263	0.238875	38.97469	519.0649
9447_9448	9447	9448	-3150.43	-190.2	3.992625	-0.23888	-16.8118	553.8304
9448_9448	9448	9448	3119.785	-476.846	0.861	4.064813	15.49538	-553.815
9448_9449	9448	9449	-3120.59	480.4656	-0.861	-4.06481	-18.0994	-893.92
9449_9449	9449	9449	3119.813	476.889	2.48325	-4.45069	18.186	894.0921
9449_9450	9449	9450	-3119	-473.269	-2.48325	4.450688	-25.6974	542.8238
9450_9450	9450	9450	3144.074	-190.924	-1.89131	0.228375	28.5915	-542.799
9450_9451	9450	9451	-3141.23	197.1218	1.891313	-0.22838	-18.0784	-535.913
9451_9451	9451	9451	3144.619	-132.492	-0.903	-0.30844	18.15056	535.9108
9451_9452	9451	9452	-3140.53	141.9128	0.903	0.308438	-10.1469	-1751.24
9452_9452	9452	9452	3136.139	-32.6983	1.598625	-0.08006	-10.0288	1751.227
9452_9453	9452	9453	-3130.03	48.25669	-1.59863	0.080063	-13.02	-2334.68
9453_9453	9453	9453	3116.699	57.63056	2.214188	-0.08794	-7.10588	2334.67
9453_9454	9453	9454	-3113.92	-49.7529	-2.21419	0.087938	-8.84888	-1947.85
9454_9454	9454	9454	3111.863	123.5259	1.462125	0.179813	8.68875	1947.85
9454_9455	9454	9455	-3109.27	-115.579	-1.46213	-0.17981	-19.2308	-1085.91
9455_9455	9455	9455	3084.602	209.2611	0.028875	0.42	0.276938	1085.897
9455_9456	9455	9456	-3081.04	-197.103	-0.02888	-0.42	-0.59719	1133.717
9456_9456	9456	9456	3075.429	270.9236	-2.77069	-0.651	0.888563	-1133.72
9456_9457	9456	9457	-3074.39	-267.014	2.770688	0.651	8.776688	2072.22
9457_9457	9457	9457	3076.975	275.8074	-28.5574	-0.76388	-27.216	-2072.24
9457_9110	9457	9110	-3075.77	-271.214	28.55738	0.763875	144.1926	3224.514
9460_9132	9460	9132	2523.402	-250.454	-49.5968	-4.23281	314.6483	-4123.72
9460_9461	9460	9461	-2524.61	255.0463	49.59675	4.232813	-111.565	2968.666
9461_9461	9461	9461	2522.158	-249.716	-13.5135	-0.98175	128.6079	-2968.65
9461_9462	9461	9462	-2523.2	253.6249	13.5135	0.98175	-81.4721	2090.794
9462_9462	9462	9462	2528.571	-193.011	-11.2494	-1.02113	81.98663	-2090.77
9462_9463	9462	9463	-2532.13	205.1648	11.24944	1.021125	40.866	-83.3503
9463_9463	9463	9463	2511.361	-129.567	0.233625	-1.28363	-20.2899	83.37394
9463_9464	9463	9464	-2513.96	137.5119	-0.23363	1.283625	18.60863	-1045.79
9464_9464	9464	9464	2516.476	-79.0401	0.233625	-0.8505	-18.6336	1045.79
9464_9465	9464	9465	-2519.26	86.92556	-0.23363	0.8505	16.95225	-1644.19
9465_9465	9465	9465	2490.88	1.313813	-2.06588	-1.02506	2.287688	1644.198
9465_9466	9465	9466	-2496.99	14.238	2.065875	1.025063	27.47456	-1737.3
9466_9466	9466	9466	2465.824	77.12644	4.811625	-0.79275	-8.62313	1737.351
9466_9467	9466	9467	-2469.92	-67.6974	-4.81163	0.79275	-34.0213	-1095.54
9467_9467	9467	9467	2467.953	119.5884	1.991063	-0.28219	34.55944	1095.524
9467_9468	9467	9468	-2470.8	-113.395	-1.99106	0.282188	-45.6278	-448.131
9468_9468	9468	9468	2409.128	-390.803	-8.91188	22.7115	43.40306	448.1229
9468_9469	9468	9469	-2409.94	394.422	8.911875	-22.7115	-16.4614	-1634.96
9469_9469	9469	9469	2414.615	391.8626	7.537688	-23.016	17.98519	1651.205

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9469_9470	9469	9470	-2413.81	-388.244	-7.53769	23.016	-40.7702	-472.102
9470_9470	9470	9470	2475.279	-116.677	-4.95863	1.342688	43.29413	472.0879
9470_9471	9470	9471	-2472.43	122.8723	4.958625	-1.34269	-15.7369	-1137.73
9471_9471	9471	9471	2474.441	-72.0024	-2.12888	-0.26513	16.31963	1137.718
9471_9472	9471	9472	-2470.35	81.41963	2.128875	0.265125	2.526563	-1816.93
9472_9472	9472	9472	2501.038	11.6025	2.615813	0.711375	-22.0382	1816.886
9472_9473	9472	9473	-2494.93	3.961125	-2.61581	-0.71138	-15.6739	-1761.8
9473_9473	9473	9473	2514.173	83.68763	0.312375	0.700875	-3.48469	1761.787
9473_9474	9473	9474	-2511.39	-75.8021	-0.31238	-0.70088	1.231125	-1186.74
9474_9474	9474	9474	2508.949	134.1572	0.312375	0.72975	-1.21406	1186.736
9474_9475	9474	9475	-2506.35	-126.213	-0.31238	-0.72975	-1.03819	-248.501
9475_9475	9475	9475	2509.4	202.2103	7.686	1.253438	-16.8499	248.4904
9475_9476	9475	9476	-2505.84	-190.057	-7.686	-1.25344	-67.0832	1893.371
9476_9476	9476	9476	2500.565	250.1205	5.441625	-2.10131	67.55963	-1893.35
9476_9477	9476	9477	-2499.52	-246.213	-5.44163	2.101313	-86.5423	2758.985
9477_9477	9477	9477	2501.426	253.3125	-8.27663	0.504	72.43556	-2759
9477_9148	9477	9148	-2500.22	-248.72	8.276625	-0.504	-38.5468	3786.834
9480_9168	9480	9168	2289.919	-251.006	-12.5646	-0.63394	71.37506	-4478.08
9480_9481	9480	9481	-2291.13	255.5989	12.56456	0.633938	-19.9251	3440.878
9481_9481	9481	9481	2289.315	-250.266	-3.33244	-0.38719	33.19181	-3440.88
9481_9482	9481	9482	-2290.36	254.1866	3.332438	0.387188	-21.5355	2558.647
9482_9482	9482	9482	2295.994	-196.878	-3.33244	-0.92531	21.51844	-2558.65
9482_9483	9482	9483	-2299.56	209.0196	3.332438	0.925313	14.84175	344.3121
9483_9483	9483	9483	2266.852	-140.793	1.000125	-1.58288	2.496375	-344.292
9483_9484	9483	9484	-2269.45	148.7378	-1.00013	1.582875	-9.702	-699.026
9484_9484	9484	9484	2272.293	-95.9451	-2.08163	-0.84525	10.00256	699.0218
9484_9485	9484	9485	-2275.08	103.8319	2.081625	0.84525	5.0085	-1419.33
9485_9485	9485	9485	2229.405	-24.5464	-3.31144	-1.22981	12.82838	1419.368
9485_9486	9485	9486	-2235.52	40.10869	3.311438	1.229813	34.91381	-1885.45
9486_9486	9486	9486	2175.815	43.77844	6.717375	0.811125	-16.0965	1885.517
9486_9487	9486	9487	-2179.91	-34.3613	-6.71738	-0.81113	-43.3755	-1539.59
9487_9487	9487	9487	2178.726	79.17394	10.70213	-2.85075	42.11025	1539.624
9487_9488	9487	9488	-2181.57	-72.9789	-10.7021	2.85075	-101.59	-1116.83
9488_9488	9488	9488	2084.892	-361.382	-19.9697	43.5015	100.3196	1116.746
9488_9489	9488	9489	-2085.7	365.001	19.96969	-43.5015	-39.9525	-2214.65
9489_9489	9489	9489	2095.119	369.9885	15.72113	-43.2298	90.59006	2240.331
9489_9490	9489	9490	-2094.31	-366.37	-15.7211	43.22981	-138.116	-1127.35
9490_9490	9490	9490	2193.052	-70.7057	-12.4123	2.563313	138.4701	1127.342
9490_9491	9490	9491	-2190.21	76.90069	12.41231	-2.56331	-69.4864	-1537.5
9491_9491	9491	9491	2191.351	-30.8621	-9.92513	-0.63263	70.27781	1537.463
9491_9492	9491	9492	-2187.26	40.29113	9.925125	0.632625	17.69381	-1852.79
9492_9492	9492	9492	2244.052	42.27956	3.194625	1.236375	-36.3878	1852.722
9492_9493	9492	9493	-2237.94	-26.7278	-3.19463	-1.23638	-9.639	-1355.57
9493_9493	9493	9493	2281.449	106.7627	2.44125	0.90825	-7.3395	1355.579
9493_9494	9493	9494	-2278.67	-98.8759	-2.44125	-0.90825	-10.2624	-614.14
9494_9494	9494	9494	2275.753	151.8143	-0.67069	1.52775	9.999938	614.1424
9494_9495	9494	9495	-2273.16	-143.87	0.670688	-1.52775	-5.16731	451.3464
9495_9495	9495	9495	2301.96	213.4847	3.551625	1.586813	-11.3164	-451.357
9495_9496	9495	9496	-2298.4	-201.32	-3.55163	-1.58681	-27.5021	2718.268
9496_9496	9496	9496	2293.166	254.1144	1.502813	-1.54875	28.20169	-2718.26
9496_9497	9496	9497	-2292.12	-250.218	-1.50281	1.54875	-33.4294	3595.406
9497_9497	9497	9497	2293.274	258.3079	7.973438	0.706125	19.10344	-3595.42
9497_9184	9497	9184	-2292.07	-253.715	-7.97344	-0.70613	-51.7532	4736.583
9500_9204	9500	9204	2755.344	-297.793	40.0995	1.5225	-176.687	-5247.65
9500_9501	9500	9501	-2756.77	303.2243	-40.0995	-1.5225	12.49106	3965.202
9501_9501	9501	9501	2756.574	-296.76	6.013875	6.579563	-0.99619	-3965.21
9501_9502	9501	9502	-2757.81	301.3828	-6.01388	-6.57956	-19.9815	2922.015
9502_9502	9502	9502	2764.252	-235.125	-1.66163	-2.22206	17.69513	-2922.04

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9502_9503	9502	9503	-2768.46	249.4997	1.661625	2.222063	0.4515	275.8888
9503_9503	9503	9503	2795.827	-166.177	-2.87175	0.295313	8.921063	-275.852
9503_9504	9503	9504	-2798.9	175.5718	2.87175	-0.29531	11.7705	-955.63
9504_9504	9504	9504	2802.226	-110.467	0.96075	-0.756	-12.2286	955.6247
9504_9505	9504	9505	-2805.52	119.7932	-0.96075	0.756	5.301188	-1785.84
9505_9505	9505	9505	2824.579	-23.6775	-0.69431	-0.0105	5.190938	1785.856
9505_9506	9505	9506	-2831.81	42.07088	0.694313	0.0105	4.805063	-2259.52
9506_9506	9506	9506	2845.196	54.65775	1.862438	-0.63263	6.951	2259.508
9506_9507	9506	9507	-2850.04	-43.5068	-1.86244	0.632625	-23.457	-1824.48
9507_9507	9507	9507	2848.494	103.383	-2.08556	1.361063	24.58181	1824.463
9507_9508	9507	9508	-2851.83	-96.1183	2.085563	-1.36106	-12.9885	-1270.1
9508_9508	9508	9508	2818.369	-506.873	-1.19831	1.446375	10.04719	1270.083
9508_9509	9508	9509	-2819.32	511.1164	1.198313	-1.44638	-6.42469	-2808.77
9509_9509	9509	9509	2819.918	514.0091	7.308	-0.93975	6.311813	2808.367
9509_9510	9509	9510	-2818.97	-509.766	-7.308	0.93975	-28.4038	-1260.96
9510_9510	9510	9510	2858.906	-93.9081	0.96075	-1.21931	29.31994	1261.005
9510_9511	9510	9511	-2855.57	101.1728	-0.96075	1.219313	-34.6605	-1803.09
9511_9511	9511	9511	2857.043	-42.4095	-4.13175	1.262625	33.23906	1803.116
9511_9512	9511	9512	-2852.2	53.54738	4.13175	-1.26263	3.348188	-2227.94
9512_9512	9512	9512	2845.598	44.75625	1.777125	0.354375	-14.9205	2227.936
9512_9513	9512	9513	-2838.37	-26.3629	-1.77713	-0.35438	-10.6824	-1715.55
9513_9513	9513	9513	2824.075	122.6925	2.505563	0.935813	-1.52119	1715.564
9513_9514	9513	9514	-2820.78	-113.365	-2.50556	-0.93581	-16.5493	-864.35
9514_9514	9514	9514	2817.385	178.8924	2.815313	0.454125	16.59788	864.3482
9514_9515	9514	9515	-2814.31	-169.496	-2.81531	-0.45413	-36.8891	391.2064
9515_9515	9515	9515	2793.597	253.5474	-10.1259	0.616875	29.06531	-391.239
9515_9516	9515	9516	-2789.39	-239.172	10.12594	-0.61688	81.52856	3082.082
9516_9516	9516	9516	2782.837	306.0264	-12.0383	0.389813	-80.9078	-3082.1
9516_9517	9516	9517	-2781.6	-301.404	12.03825	-0.38981	122.9078	4141.704
9517_9517	9517	9517	2781.016	309.5243	-64.4844	-4.39819	-130.091	-4141.85
9517_9220	9517	9220	-2779.59	-304.092	64.48444	4.398188	394.1976	5398.441
9520_9240	9520	9240	2135.998	-349.469	-28.9971	15.48619	-674.752	-9517.82
9520_9521	9520	9521	-2137.71	355.9815	28.99706	-15.4862	793.2881	8075.911
9521_9521	9521	9521	2120.449	-356.491	47.92594	-8.42625	-786.825	-8077.03
9521_9522	9521	9522	-2121.93	362.0466	-47.9259	8.42625	619.5801	6823.295
9522_9522	9522	9522	2129.992	-311.111	48.08081	6.936563	-619.451	-6823.31
9522_9523	9522	9523	-2135.05	328.3875	-48.0808	-6.93656	94.10756	3329.626
9523_9523	9523	9523	2158.583	-265.645	9.24525	0.874125	-93.6784	-3329.06
9523_9524	9523	9524	-2162.27	276.9231	-9.24525	-0.87413	27.09131	1375.094
9524_9524	9524	9524	2168.132	-226.66	5.110875	-1.22063	-28.0258	-1375.08
9524_9525	9524	9525	-2172.09	237.8578	-5.11088	1.220625	-8.80819	-299.009
9525_9525	9525	9525	2221.372	-166.728	-2.56069	-1.27444	11.56444	299.1516
9525_9526	9525	9526	-2230.05	188.8464	2.560688	1.274438	25.3575	-2863.2
9526_9526	9526	9526	2267.61	-113.115	-2.3835	-5.87738	-18.6861	2860.625
9526_9527	9526	9527	-2273.43	126.4856	2.3835	5.877375	39.7845	-3920.88
9527_9527	9527	9527	2275.49	-80.8106	-9.14944	6.773813	-34.4544	3920.926
9527_9528	9527	9528	-2279.47	89.47575	9.149438	-6.77381	85.3335	-4394.4
9528_9528	9528	9528	2231.028	-572.35	12.075	-18.1926	-95.4122	4394.393
9528_9529	9528	9529	-2232.16	577.4134	-12.075	18.19256	58.87219	-6134.07
9529_9529	9529	9529	2228.432	559.5437	0.980438	14.70131	-58.1096	6129.719
9529_9530	9529	9530	-2227.3	-554.496	-0.98044	-14.7013	55.14994	-4448.98
9530_9530	9530	9530	2278.921	75.92156	9.934313	-5.26706	-50.9289	4446.589
9530_9531	9530	9531	-2274.94	-67.2551	-9.93431	5.267063	-4.32206	-4048.43
9531_9531	9531	9531	2273.127	113.3541	5.731688	2.298188	0.889875	4048.436
9531_9532	9531	9532	-2267.31	-99.9731	-5.73169	-2.29819	-51.6416	-3103.88
9532_9532	9532	9532	2251.512	176.7019	-2.43469	0.421313	44.53838	3102.788
9532_9533	9532	9533	-2242.83	-154.605	2.434688	-0.42131	-9.44869	-715.649
9533_9533	9533	9533	2215.192	230.5708	4.390313	3.600188	5.395688	716.2194

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9533_9534	9533	9534	-2211.24	-219.37	-4.39031	-3.60019	-37.044	905.688
9534_9534	9534	9534	2205.508	270.9998	-2.81531	-0.35044	38.12681	-905.65
9534_9535	9534	9535	-2201.82	-259.712	2.815313	0.350438	-17.829	2818.351
9535_9535	9535	9535	2137.467	326.9228	31.70606	5.756625	17.05988	-2816.51
9535_9536	9535	9536	-2132.41	-309.649	-31.7061	-5.75663	-363.434	6293.648
9536_9536	9536	9536	2124.426	360.6986	27.6255	-15.624	366.8477	-6293.43
9536_9537	9536	9537	-2122.94	-355.144	-27.6255	15.624	-463.25	7542.414
9537_9537	9537	9537	2133.628	347.5303	-42.4344	-157.374	466.2315	-7565.68
9537_9254	9537	9254	-2131.91	-341.014	42.43444	157.374	-292.651	9063.671
9540_9275	9540	9275	3723.833	-362.037	71.45644	22.1025	-1475.57	-4941.9
9540_9541	9540	9541	-3725.68	369.0566	-71.4564	-22.1025	1183.055	3445.5
9541_9541	9541	9541	3722.46	-362.402	78.26963	-12.4661	-1170.23	-3459.64
9541_9542	9541	9542	-3724.06	368.3781	-78.2696	12.46613	897.1948	2185.024
9542_9542	9542	9542	3732.002	-278.888	69.34331	3.717	-898.801	-2184.4
9542_9543	9542	9543	-3737.44	297.4716	-69.3433	-3.717	141.4718	-962.921
9543_9543	9543	9543	3776.598	-178.042	9.877875	-4.368	-135.517	957.8625
9543_9544	9543	9544	-3780.57	190.1826	-9.87788	4.368	64.35188	-2284.35
9544_9544	9544	9544	3783.926	-104.081	6.208125	-0.66544	-63.6458	2284.377
9544_9545	9544	9545	-3788.18	116.1536	-6.20813	0.665438	18.82519	-3079.32
9545_9545	9545	9545	3829.16	15.06356	0.779625	-2.35069	-11.0683	3075.086
9545_9546	9545	9546	-3838.5	8.716313	-0.77963	2.350688	-0.16669	-3029.35
9546_9546	9546	9546	3856.575	121.5073	12.17213	-1.57369	7.394625	3026.324
9546_9547	9546	9547	-3862.83	-107.111	-12.1721	1.573688	-115.164	-2014.25
9547_9547	9547	9547	3859.94	184.1385	8.138813	-1.81125	116.0539	2014.195
9547_9548	9547	9548	-3864.21	-174.832	-8.13881	1.81125	-161.346	-1015.4
9548_9548	9548	9548	3825.913	-637.493	0.442313	11.88075	155.4774	1006.667
9548_9549	9548	9549	-3827.13	642.9058	-0.44231	-11.8808	-156.808	-2936.87
9549_9549	9549	9549	3850.926	676.5767	1.250813	-11.6366	157.2034	2951.998
9549_9550	9549	9550	-3849.68	-671.236	-1.25081	11.63663	-160.931	-942.963
9550_9550	9550	9550	3892.214	-180.353	6.426	-0.84525	165.9446	933.3844
9550_9551	9550	9551	-3887.71	189.7389	-6.426	0.84525	-202.31	-1980.56
9551_9551	9551	9551	3891.041	-100.288	-6.02831	0.769125	199.4029	1980.855
9551_9552	9551	9552	-3884.89	113.8909	6.028313	-0.76913	-148.643	-2882.59
9552_9552	9552	9552	3861.302	40.87256	0.053813	-0.79275	141.8366	2882.83
9552_9553	9552	9553	-3851.94	-17.7214	-0.05381	0.79275	-142.589	-2470.2
9553_9553	9553	9553	3814.71	159.285	-9.12319	1.462125	136.0656	2470.002
9553_9554	9553	9554	-3810.47	-147.546	9.123188	-1.46213	-71.8476	-1390.1
9554_9554	9554	9554	3805.44	245.2052	-8.02856	-0.78881	71.99719	1390.092
9554_9555	9554	9555	-3801.5	-233.359	8.028563	0.788813	-15.4678	294.6549
9555_9555	9555	9555	3743.14	367.4186	-13.1867	0.202125	14.973	-293.573
9555_9556	9555	9556	-3737.84	-349.283	13.18669	-0.20213	125.5577	4112.723
9556_9556	9556	9556	3726.924	450.9422	-17.2069	-0.96206	-124.3	-4112.76
9556_9557	9556	9557	-3725.38	-445.077	17.20688	0.962063	183.1673	5645.412
9557_9557	9557	9557	3720.171	467.4416	-19.9986	-90.6846	-185.406	-5674.75
9557_9288	9557	9288	-3717.72	-457.824	19.99856	90.68456	297.3469	8346.998
49000_9000	49000	9000	-9.57731	471.072	2.5935	11.89125	0	-54.5882
49000_9001	49000	9001	9.577313	-439.219	-2.5935	-11.8913	-21.5289	3832.319
49001_9001	49001	9001	-9.57338	439.2189	2.606625	6.538875	21.52894	-3832.33
49001_9002	49001	9002	9.573375	-405.086	-2.60663	-6.53888	-44.7195	7586.985
49002_9002	49002	9002	-9.57075	383.7816	-2.8665	16.78425	44.7195	-7586.99
49002_9003	49002	9003	9.57075	-337.411	2.8665	-16.7843	-10.0879	11944.14
49003_9003	49003	9003	-9.576	337.4109	-2.84944	-4.13831	10.08788	-11944.1
49003_9004	49003	9004	9.576	-291.011	2.849438	4.138313	24.36	15743.08
49004_9004	49004	9004	-9.576	262.1036	0.707438	20.58	-24.36	-15743.1
49004_9005	49004	9005	9.576	-215.747	-0.70744	-20.58	15.80775	18629.11
49005_9005	49005	9005	-9.57469	215.7474	0.7245	-12.0343	-15.8078	-18629.1
49005_9006	49005	9006	9.574688	-169.364	-0.7245	12.03431	7.046813	20956.41
49006_9006	49006	9006	-9.57338	137.3597	0.385875	11.31113	-7.04681	-20956.4

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49006_9007	49006	9007	9.573375	-90.9812	-0.38588	-11.3111	2.386125	22336.17
49007_9007	49007	9007	-9.57338	90.98119	0.39375	-7.01269	-2.38613	-22336.2
49007_9008	49007	9008	9.573375	-44.6079	-0.39375	7.012688	-2.36906	23155.39
49008_9008	49008	9008	-9.57338	11.88338	-0.1155	-1.59075	2.369063	-23155.4
49008_9009	49008	9009	9.573375	34.5135	0.1155	1.59075	-0.97519	23018.58
49009_9009	49009	9009	-9.57338	-34.5135	-0.11681	0.851813	0.975188	-23018.6
49009_9010	49009	9010	9.573375	80.87231	0.116813	-0.85181	0.4305	22321.65
49010_9010	49010	9010	-9.57206	-114.97	1.052625	14.6265	-0.4305	-22321.7
49010_9011	49010	9011	9.572063	161.3561	-1.05263	-14.6265	-12.2968	20651.66
49011_9011	49011	9011	-9.57075	-161.356	1.068375	-19.2767	12.29681	-20651.7
49011_9012	49011	9012	9.57075	207.7333	-1.06838	19.27669	-25.2131	18421.48
49012_9012	49012	9012	-9.56944	-240.283	0.862313	8.674313	25.21313	-18421.5
49012_9013	49012	9013	9.569438	286.6566	-0.86231	-8.67431	-35.6331	15237.86
49013_9013	49013	9013	-9.56813	-286.657	0.878063	-16.3564	35.63306	-15237.9
49013_9014	49013	9014	9.568125	333.0193	-0.87806	16.35638	-46.242	11494.71
49014_9014	49014	9014	-9.56813	-364.091	-0.06037	1.048688	46.242	-11494.7
49014_9015	49014	9015	9.568125	423.7485	0.060375	-1.04869	-45.3088	5371.083
49015_9015	49015	9015	-4.75256	-423.83	-0.04462	-7.95769	45.22088	-5377
49015_9016	49015	9016	4.41525	453.4163	0.044625	7.957688	-44.8508	1758.385
49016_9016	49016	9016	5.95875	-479.001	-4.69481	-5.70544	79.04138	-2604.23
49016_9017	49016	9017	-7.35	521.4353	4.694813	5.705438	-23.8298	-3474.87
49017_9017	49017	9017	21.97125	-521.024	-4.6725	0.988313	24.108	3474.869
49017_9018	49017	9018	-25.0989	572.3511	4.6725	-0.98831	37.92731	-10744.7
49018_9018	49018	9018	43.69838	-600.668	6.20025	-17.4156	-39.6218	10744.47
49018_9019	49018	9019	-48.2304	651.4725	-6.20025	17.41556	-38.1583	-18568.9
49019_9019	49019	9019	66.17231	-649.895	6.216	12.25481	41.25844	18568.9
49019_9020	49019	9020	-72.5012	703.9646	-6.216	-12.2548	-119.515	-26902.8
49020_9020	49020	9020	-2760.73	202.8784	-33.8481	-4.074	731.661	4659.769
49020_9021	49020	9021	2760.727	-167.759	33.84806	4.074	-410.009	-2898.74
49021_9021	49021	9021	-2760.8	167.7585	-27.4929	2.59875	410.0093	2898.74
49021_9022	49021	9022	2760.798	-141.918	27.49294	-2.59875	-197.241	-1700.44
49022_9022	49022	9022	-2760.77	141.918	-30.2282	0.914813	197.2412	1700.442
49022_9023	49022	9023	2760.769	-116.007	30.22819	-0.91481	37.33144	-699.69
49023_9023	49023	9023	-2760.87	91.41169	-6.14513	-0.2205	-37.3314	699.6793
49023_9024	49023	9024	2760.873	-64.701	6.145125	0.2205	86.49244	-75.2548
49024_9024	49024	9024	-2760.87	64.701	-6.14513	-0.2205	-86.4924	75.25481
49024_9025	49024	9025	2760.873	-37.9903	6.145125	0.2205	135.6548	335.4921
49025_9025	49025	9025	-2760.88	37.99031	-2.71556	-0.63656	-135.655	-335.491
49025_9026	49025	9026	2760.878	-11.2823	2.715563	0.636563	157.3714	532.5469
49026_9026	49026	9026	-2760.87	-11.403	-6.33019	0.032813	-157.371	-532.546
49026_9027	49026	9027	2760.874	31.42519	6.330188	-0.03281	195.3289	404.1358
49027_9027	49027	9027	-2760.88	-31.4252	-1.25475	-0.71006	-195.329	-404.136
49027_9028	49027	9028	2760.881	51.47756	1.25475	0.710063	202.8626	155.2097
49028_9028	49028	9028	-2760.88	-51.4776	-1.7535	-0.6825	-202.863	-155.21
49028_9029	49028	9029	2760.881	71.49581	1.7535	0.6825	213.3718	-213.422
49029_9029	49029	9029	-2760.88	-71.4958	-1.25475	-0.64313	-213.372	213.4217
49029_9030	49029	9030	2760.881	91.54688	1.25475	0.643125	220.9056	-702.98
49030_9030	49030	9030	-2760.88	-114.547	1.998938	-1.98319	-220.906	702.9868
49030_9031	49030	9031	2760.882	141.2434	-1.99894	1.983188	204.9246	-1725.55
49031_9031	49031	9031	-2760.88	-141.243	1.998938	-1.98319	-204.925	1725.549
49031_9032	49031	9032	2760.882	167.9396	-1.99894	1.983188	188.9436	-2961.56
49032_9032	49032	9032	-2760.88	-167.94	5.794688	2.0895	-188.944	2961.557
49032_9033	49032	9033	2760.877	194.6661	-5.79469	-2.0895	142.5559	-4412.74
49033_9033	49033	9033	-2760.82	-219.093	21.01575	-6.92869	-142.556	4412.785
49033_9034	49033	9034	2760.816	244.9781	-21.0158	6.928688	-20.3648	-6211.63
49034_9034	49034	9034	-2760.82	-244.978	21.01575	-6.92869	20.36475	6211.627
49034_9035	49034	9035	2760.816	270.8646	-21.0158	6.928688	-183.285	-8211.14
49035_9035	49035	9035	-2760.76	-270.865	27.60581	12.67219	183.2854	8211.137

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49035_9036	49035	9036	2760.758	305.9726	-27.6058	-12.6722	-445.531	-11170
49036_9036	49036	9036	20.54325	597.6534	-4.63575	-34.251	65.1945	35329.41
49036_9037	49036	9037	-14.2144	-543.617	4.63575	34.251	-6.87881	-28010.5
49037_9037	49037	9037	-0.84656	543.8016	-4.51369	33.10125	-0.09188	28010.52
49037_9038	49037	9038	5.377313	-492.97	4.513688	-33.1013	56.7525	-21376.5
49038_9038	49038	9038	-20.6666	467.2881	3.290438	-4.74731	-53.3991	21376.92
49038_9039	49038	9039	23.793	-415.985	-3.29044	4.747313	9.737438	-15552.4
49039_9039	49039	9039	-69.384	327.7076	1.342688	3.55425	-17.3027	2086.569
49039_9040	49039	9040	70.77788	-285.196	-1.34269	-3.55425	1.502813	1641.284
49040_9040	49040	9040	-77.1593	258.6924	0.569625	0.649688	-1.39256	-1641.29
49040_9041	49040	9041	77.49394	-229.197	-0.56963	-0.64969	-3.30881	3805.657
49041_9041	49041	9041	-80.094	228.3015	0.560438	1.043438	3.315375	-3805.66
49041_9042	49041	9042	80.094	-179.747	-0.56044	-1.04344	-11.7876	6675.026
49042_9042	49042	9042	-80.094	151.7276	-0.13125	3.73275	11.78756	-6675.03
49042_9043	49042	9043	80.094	-113.567	0.13125	-3.73275	-10.2218	8251.261
49043_9043	49043	9043	-80.094	113.5667	-0.07088	-2.53181	10.22175	-8251.26
49043_9044	49043	9044	80.094	-75.4412	0.070875	2.531813	-9.37913	9373.216
49044_9044	49044	9044	-80.094	45.44663	-0.0945	4.242	9.379125	-9373.2
49044_9045	49044	9045	80.094	-7.29619	0.0945	-4.242	-8.25563	9686.492
49045_9045	49045	9045	-80.094	7.296188	-0.02756	-3.87844	8.255625	-9686.49
49045_9046	49045	9046	80.094	30.85294	0.027563	3.878438	-7.92881	9546.571
49046_9046	49046	9046	-80.094	-61.4762	0.001313	3.331125	7.928813	-9546.57
49046_9047	49046	9047	80.094	99.61875	-0.00131	-3.33113	-7.94456	8589.872
49047_9047	49047	9047	-80.094	-99.6188	0.06825	-3.87319	7.944563	-8589.87
49047_9048	49047	9048	80.094	137.7587	-0.06825	3.873188	-8.757	7180.264
49048_9048	49048	9048	-80.094	-168.106	0.231	1.405688	8.757	-7180.26
49048_9049	49048	9049	80.094	206.241	-0.231	-1.40569	-11.5001	4957.625
49049_9049	49049	9049	-80.094	-206.241	0.297938	-2.75363	11.50013	-4957.62
49049_9050	49049	9050	80.094	244.3718	-0.29794	2.753625	-15.0399	2282.364
49050_9050	49050	9050	-80.094	-273.181	-0.53419	-1.56319	15.03994	-2282.36
49050_9051	49050	9051	80.094	321.7817	0.534188	1.563188	-6.95888	-2508.37
49051_9051	49051	9051	-76.4321	-322.672	-0.45938	0.427875	6.964125	2508.366
49051_9052	49051	9052	76.12238	349.9506	0.459375	-0.42788	-3.17625	-5293.75
49052_9052	49052	9052	-67.7434	-377.551	-1.20488	-2.73788	3.083063	5293.602
49052_9053	49052	9053	66.45713	416.7831	1.204875	2.737875	11.08669	-9952.18
49053_9053	49053	9053	-57.9968	-421.263	-3.25369	0.0525	3.178875	10421.96
49053_9054	49053	9054	54.90975	471.7886	3.253688	-0.0525	40.026	-16526.9
49054_9054	49054	9054	-39.2083	-500.614	3.241875	-10.7691	-41.0773	16526.5
49054_9055	49054	9055	34.75106	550.473	-3.24188	10.76906	0.402938	-22863.9
49055_9055	49055	9055	-19.5274	-551.222	3.3075	7.178063	1.403063	22863.95
49055_9056	49055	9056	13.33106	604.0388	-3.3075	-7.17806	-43.0316	-29903.1
49056_9056	49056	9056	-2671.53	261.4723	-25.9258	-6.99038	465.36	8028.435
49056_9057	49056	9057	2671.527	-226.804	25.92581	6.990375	-219.09	-5709.4
49057_9057	49057	9057	-2671.57	226.8039	-21.105	3.715688	219.0904	5658.421
49057_9058	49057	9058	2671.569	-199.115	21.105	-3.71569	-55.4754	-4007.45
49058_9058	49058	9058	-2671.59	199.1154	-17.6689	8.871188	55.47544	4007.444
49058_9059	49058	9059	2671.594	-171.43	17.66888	-8.87119	81.48525	-2571.26
49059_9059	49059	9059	-2671.63	148.0185	-6.81844	-0.85706	-81.4853	2571.231
49059_9060	49059	9060	2671.632	-119.472	6.818438	0.857063	135.9855	-1502.27
49060_9060	49060	9060	-2671.64	119.4716	-3.23925	1.156313	-135.986	1502.268
49060_9061	49060	9061	2671.638	-90.8933	3.23925	-1.15631	161.9034	-660.622
49061_9061	49061	9061	-2671.64	90.89325	-3.23925	1.156313	-161.903	660.6219
49061_9062	49061	9062	2671.638	-62.3136	3.23925	-1.15631	187.8201	-47.6595
49062_9062	49062	9062	-2671.64	40.31213	0.305813	0.291375	-187.82	47.65556
49062_9063	49062	9063	2671.637	-18.8633	-0.30581	-0.29138	185.9826	130.0333
49063_9063	49063	9063	-2671.63	18.86325	-4.45725	0.523688	-185.983	-130.032
49063_9064	49063	9064	2671.634	2.5515	4.45725	-0.52369	212.7077	178.9358
49064_9064	49064	9064	-2671.63	-2.5515	4.432313	-0.07219	-212.708	-178.937

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49064_9065	49064	9065	2671.634	23.96231	-4.43231	0.072188	186.1374	99.46256
49065_9065	49065	9065	-2671.64	-23.9623	0.305813	0.081375	-186.137	-99.4626
49065_9066	49065	9066	2671.637	45.41119	-0.30581	-0.08137	184.2999	-108.848
49066_9066	49066	9066	-2671.64	-67.4376	2.58825	-0.71138	-184.3	108.8496
49066_9067	49066	9067	2671.638	96.00938	-2.58825	0.711375	163.5992	-762.606
49067_9067	49067	9067	-2671.63	-96.0094	5.919375	0.238875	-163.599	762.6058
49067_9068	49067	9068	2671.632	124.5773	-5.91938	-0.23888	116.2481	-1644.83
49068_9068	49068	9068	-2671.63	-124.577	5.919375	0.238875	-116.248	1644.834
49068_9069	49068	9069	2671.632	153.1464	-5.91938	-0.23888	68.89706	-2755.58
49069_9069	49069	9069	-2671.58	-176.378	20.29519	-5.20669	-68.8971	2755.624
49069_9070	49069	9070	2671.575	204.0478	-20.2952	5.206688	-88.3404	-4229.29
49070_9070	49070	9070	-2671.57	-204.048	20.52619	-4.8405	88.34044	4229.29
49070_9071	49070	9071	2671.574	231.7547	-20.5262	4.8405	-247.574	-5919.65
49071_9071	49071	9071	-2671.53	-231.755	25.26825	6.14775	247.5743	5970.626
49071_9072	49071	9072	2671.533	266.427	-25.2683	-6.14775	-487.628	-8337.05
49072_9072	49072	9072	-7.15575	601.1434	-3.21169	-16.947	49.49044	30306.39
49072_9073	49072	9073	13.35075	-548.335	3.211688	16.947	-9.08381	-23078.5
49073_9073	49073	9073	-28.5351	547.7561	-3.08438	20.68631	5.226375	23078.55
49073_9074	49073	9074	32.991	-497.875	3.084375	-20.6863	33.495	-16517.4
49074_9074	49074	9074	-48.3197	473.3886	3.598875	1.2285	-31.6562	16517.64
49074_9075	49074	9075	51.40538	-422.891	-3.59888	-1.2285	-16.0978	-10572.7
49075_9075	49075	9075	-64.2429	324.9159	1.596	-1.67213	-2.89538	-4456.81
49075_9076	49075	9076	65.50556	-286.412	-1.596	1.672125	-15.8721	8050.153
49076_9076	49076	9076	-71.9001	262.7415	-0.38588	3.862688	15.76575	-8050.32
49076_9077	49076	9077	72.20456	-235.993	0.385875	-3.86269	-12.5882	10106.31
49077_9077	49077	9077	-74.8834	235.1567	-0.35831	-0.12075	12.6315	-10084.5
49077_9078	49077	9078	74.88338	-188.076	0.358313	0.12075	-7.72538	12986.62
49078_9078	49078	9078	-74.8834	163.0269	-0.11288	8.61525	7.725375	-12986.6
49078_9079	49078	9079	74.88338	-124.719	0.112875	-8.61525	-6.46669	14592.02
49079_9079	49079	9079	-74.8834	124.719	-0.042	-5.17913	6.466688	-14592
49079_9080	49079	9080	74.88338	-86.3783	0.042	5.179125	-5.99681	15770.77
49080_9080	49080	9080	-74.8834	59.66625	-0.11419	1.053938	5.996813	-15770.8
49080_9081	49080	9081	74.88338	-21.3294	0.114188	-1.05394	-4.71713	16222.99
49081_9081	49081	9081	-74.8834	21.32944	-0.11419	1.053938	4.717125	-16223
49081_9082	49081	9082	74.88338	17.00606	0.114188	-1.05394	-3.43744	16247.13
49082_9082	49082	9082	-74.8847	-45.8876	-0.084	6.096563	3.437438	-16247.1
49082_9083	49082	9083	74.88469	87.10669	0.084	-6.09656	-2.43338	15448.71
49083_9083	49083	9083	-74.8847	-87.1067	-0.02494	-6.08869	2.433375	-15448.7
49083_9084	49083	9084	74.88469	128.2903	0.024938	6.088688	-2.13806	14156.75
49084_9084	49084	9084	-74.8847	-157.346	0.040688	4.5255	2.138063	-14156.7
49084_9085	49084	9085	74.88469	195.6741	-0.04069	-4.5255	-2.58825	12186.18
49085_9085	49085	9085	-74.8834	-195.674	0.107625	-6.37613	2.58825	-12186.2
49085_9086	49085	9086	74.88338	233.9991	-0.10763	6.376125	-3.78525	9787.844
49086_9086	49086	9086	-74.8834	-261.93	0.059063	1.292813	3.78525	-9787.83
49086_9087	49086	9087	74.88338	300.2882	-0.05906	-1.29281	-4.44806	6646.979
49087_9087	49087	9087	-74.8834	-300.288	0.123375	-4.36669	4.448063	-6646.98
49087_9088	49087	9088	74.88338	338.6106	-0.12338	4.366688	-5.82225	3081.09
49088_9088	49088	9088	-74.8847	-364.404	-0.62738	-3.0135	5.82225	-3081.08
49088_9089	49088	9089	74.88469	409.6654	0.627375	3.0135	2.450438	-2021.45
49089_9089	49089	9089	-70.2293	-410.488	-0.57488	-1.38731	-2.46619	1999.67
49089_9090	49089	9090	69.909	438.7556	0.574875	1.387313	7.210875	-5671.67
49090_9090	49090	9090	-59.6492	-465.44	-0.2625	-9.62588	-7.51538	5671.502
49090_9091	49090	9091	58.317	506.0029	0.2625	9.625875	10.60369	-11435.9
49091_9091	49091	9091	-47.6936	-509.57	-2.11575	4.235438	-0.1155	11779.25
49091_9092	49091	9092	44.64075	559.6749	2.11575	-4.23544	28.20169	-18830.4
49092_9092	49092	9092	-26.5125	-588.067	2.1735	-32.6878	-31.4344	18829.94
49092_9093	49092	9093	22.10119	637.5403	-2.1735	32.68781	4.164563	-26595.1
49093_9093	49093	9093	-4.47563	-637.908	2.361188	30.156	2.277188	26595.09

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49093_9094	49093	9094	-1.66294	690.3383	-2.36119	-30.156	-31.9961	-35033.1
49094_9094	49094	9094	-2950.3	238.6374	-18.9249	-5.48494	289.3275	8818.814
49094_9095	49094	9095	2950.301	-204.272	18.92494	5.484938	-109.595	-6628.3
49095_9095	49095	9095	-2950.33	204.2723	-14.3023	4.899563	109.5951	6628.297
49095_9096	49095	9096	2950.327	-176.988	14.30231	-4.89956	1.324313	-5149.88
49096_9096	49096	9096	-2950.33	176.988	-14.4441	4.6515	-1.32431	5149.877
49096_9097	49096	9097	2950.325	-149.739	14.44406	-4.6515	113.2058	-3884.55
49097_9097	49097	9097	-2950.39	126.4331	2.358563	-2.29556	-113.206	3884.501
49097_9098	49097	9098	2950.388	-98.2708	-2.35856	2.295563	94.3215	-2985.09
49098_9098	49098	9098	-2950.38	98.27081	5.912813	1.300688	-94.3215	2985.095
49098_9099	49098	9099	2950.383	-70.1439	-5.91281	-1.30069	47.04788	-2311.87
49099_9099	49099	9099	-2950.38	70.14394	6.04275	1.40175	-47.0479	2311.865
49099_9100	49099	9100	2950.383	-41.9829	-6.04275	-1.40175	-1.31906	-1863.08
49100_9100	49100	9100	-2950.36	21.36619	-1.11563	-1.04869	1.319063	1863.075
49100_9101	49100	9101	2950.364	-0.24675	1.115625	1.048688	5.379938	-1798.2
49101_9101	49101	9101	-2950.36	0.24675	-1.27969	-1.14844	-5.37994	1798.201
49101_9102	49101	9102	2950.364	20.83856	1.279688	1.148438	13.05019	-1859.91
49102_9102	49102	9102	-2950.36	-20.8386	-1.11563	-1.04475	-13.0502	1859.907
49102_9103	49102	9103	2950.364	41.958	1.115625	1.04475	19.74788	-2048.4
49103_9103	49103	9103	-2950.36	-41.958	3.79575	2.365125	-19.7479	2048.4
49103_9104	49103	9104	2950.361	63.07744	-3.79575	-2.36513	-3.04106	-2363.66
49104_9104	49104	9104	-2950.38	-83.6522	-7.82119	-3.23006	3.041063	2363.673
49104_9105	49104	9105	2950.379	111.7751	7.821188	3.230063	59.47988	-3144.79
49105_9105	49105	9105	-2950.39	-111.775	-4.0215	0.820313	-59.4799	3144.788
49105_9106	49105	9106	2950.387	139.9322	4.0215	-0.82031	91.66369	-4152.07
49106_9106	49106	9106	-2950.39	-139.932	-4.13175	0.664125	-91.6637	4152.068
49106_9107	49106	9107	2950.387	168.0538	4.13175	-0.66413	124.6914	-5383.02
49107_9107	49107	9107	-2950.33	-191.331	12.61181	-4.59638	-124.691	5383.081
49107_9108	49107	9108	2950.335	218.6061	-12.6118	4.596375	26.9115	-6972.23
49108_9108	49108	9108	-2950.33	-218.606	12.61181	-4.59638	-26.9115	6972.228
49108_9109	49108	9109	2950.335	245.8824	-12.6118	4.596375	-70.8684	-8772.85
49109_9109	49109	9109	-2950.32	-245.882	15.61481	4.333875	70.86844	8772.847
49109_9110	49109	9110	2950.32	280.2699	-15.6148	-4.33388	-219.264	-11385.7
49110_9110	49110	9110	-18.1164	646.4351	-2.34675	-23.373	22.13006	38016.62
49110_9111	49110	9111	24.255	-594.026	2.34675	23.373	7.393313	-30139.8
49111_9111	49111	9111	-40.7006	593.1266	-2.19581	24.99525	-12.3296	30139.79
49111_9112	49111	9112	45.11194	-543.641	2.195813	-24.9953	39.89475	-23163.1
49112_9112	49112	9112	-61.8069	517.1906	2.433375	-2.40188	-37.4417	23163.58
49112_9113	49112	9113	64.85981	-467.117	-2.43338	2.401875	5.158125	-16667
49113_9113	49113	9113	-77.1816	367.2966	1.11825	3.054188	0.450188	1065.494
49113_9114	49113	9114	78.5085	-326.814	-1.11825	-3.05419	-13.6067	3198.341
49114_9114	49114	9114	-85.7666	302.1664	-0.17325	2.358563	13.67363	-3198.4
49114_9115	49114	9115	86.08688	-274.007	0.17325	-2.35856	-12.2456	5965.729
49115_9115	49115	9115	-89.1936	273.0118	-0.15619	1.182563	12.27056	-5937.52
49115_9116	49115	9116	89.19356	-228.752	0.156188	-1.18256	-10.122	8838.056
49116_9116	49116	9116	-89.1949	203.7223	-0.19163	10.79925	10.122	-8838.06
49116_9117	49116	9117	89.19488	-167.697	0.191625	-10.7993	-7.98131	10910.95
49117_9117	49117	9117	-89.1949	167.6968	-0.03019	-8.9145	7.981313	-10910.9
49117_9118	49117	9118	89.19488	-131.639	0.030188	8.9145	-7.64006	12582.98
49118_9118	49118	9118	-89.1949	104.1141	-0.54731	12.78113	7.640063	-12583
49118_9119	49118	9119	89.19488	-68.0886	0.547313	-12.7811	-1.52644	13544.02
49119_9119	49119	9119	-89.1962	68.08856	-0.38719	-11.6694	1.526438	-13544
49119_9120	49119	9120	89.19619	-32.0329	0.387188	11.66944	2.793	14103.27
49120_9120	49120	9120	-89.1962	3.598875	-0.06956	11.57231	-2.793	-14103.3
49120_9121	49120	9121	89.19619	35.10413	0.069563	-11.5723	3.631688	13914.4
49121_9121	49121	9121	-89.1962	-35.1041	0.080063	-11.7784	-3.63169	-13914.4
49121_9122	49121	9122	89.19619	73.83863	-0.08006	11.77838	2.676188	13260.69
49122_9122	49122	9122	-89.1962	-103.056	-0.29794	15.309	-2.67619	-13260.7

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49122_9123	49122	9123	89.19619	139.1106	0.297938	-15.309	6.003375	11908.08
49123_9123	49123	9123	-89.1962	-139.111	-0.05775	-16.6688	-6.00338	-11908.1
49123_9124	49123	9124	89.19619	175.1649	0.05775	16.66875	6.654375	10152.76
49124_9124	49124	9124	-89.1962	-202.423	-0.31894	5.8065	-6.65438	-10152.8
49124_9125	49124	9125	89.19619	238.4445	0.318938	-5.8065	10.21519	7692.616
49125_9125	49125	9125	-89.1962	-238.445	-0.15881	-8.03381	-10.2152	-7692.61
49125_9126	49125	9126	89.19619	274.4976	0.158813	8.033813	11.98575	4827.743
49126_9126	49126	9126	-89.1962	-299.854	0.3885	-0.75469	-11.9858	-4827.75
49126_9127	49126	9127	89.19619	343.0731	-0.3885	0.754688	6.783	554.6274
49127_9127	49127	9127	-85.2876	-344.065	0.513188	-1.55794	-6.80138	-581.807
49127_9128	49127	9128	84.99225	369.9793	-0.51319	1.557938	2.571188	-2536.75
49128_9128	49128	9128	-76.2759	-394.629	-3.83775	-7.13213	-2.78775	2536.704
49128_9129	49128	9129	75.05138	431.9582	3.83775	7.132125	47.90231	-7686.49
49129_9129	49129	9129	-72.2374	-437.15	-6.97725	9.511688	-56.2918	8191.754
49129_9130	49129	9130	69.2685	485.8744	6.97725	-9.51169	148.9176	-14267.9
49130_9130	49130	9130	-53.0933	-516.345	13.02131	-8.33831	-150.557	14267.78
49130_9131	49130	9131	48.79744	564.5207	-13.0213	8.338313	-12.8533	-21250.7
49131_9131	49131	9131	-33.2312	-565.649	13.10006	7.731938	14.53988	21250.73
49131_9132	49131	9132	27.24488	616.8278	-13.1001	-7.73194	-179.541	-28917.3
49132_9132	49132	9132	-2489.67	226.1621	3.807563	2.848125	-16.2593	7060.427
49132_9133	49132	9133	2489.675	-192.771	-3.80756	-2.84813	-19.9146	-4864.85
49133_9133	49133	9133	-2489.68	192.7708	0.595875	-3.42825	19.91456	4864.852
49133_9134	49133	9134	2489.677	-167.778	-0.59588	3.42825	-24.528	-3467.72
49134_9134	49134	9134	-2489.67	167.7782	3.807563	1.046063	24.528	3467.721
49134_9135	49134	9135	2489.675	-142.787	-3.80756	-1.04606	-54.0396	-2264.28
49135_9135	49135	9135	-2489.68	118.671	0.479063	-1.29019	54.03956	2264.28
49135_9136	49135	9136	2489.677	-92.8725	-0.47906	1.290188	-57.8708	-1418.11
49136_9136	49136	9136	-2489.67	92.8725	3.591	0.483	57.87075	1418.109
49136_9137	49136	9137	2489.675	-67.0727	-3.591	-0.483	-86.6001	-778.328
49137_9137	49137	9137	-2489.67	67.07269	3.591	0.483	86.60006	778.3283
49137_9138	49137	9138	2489.675	-41.2742	-3.591	-0.483	-115.328	-344.937
49138_9138	49138	9138	-2489.67	18.31463	-6.13725	-0.45413	115.3281	344.9368
49138_9139	49138	9139	2489.673	1.035563	6.13725	0.454125	-78.5072	-293.1
49139_9139	49139	9139	-2489.68	-1.03556	-1.98713	0.034125	78.50719	293.0996
49139_9140	49139	9140	2489.68	20.38444	1.987125	-0.03413	-66.5818	-357.356
49140_9140	49140	9140	-2489.68	-20.3844	-1.98713	0.034125	66.58181	357.3557
49140_9141	49140	9141	2489.68	39.73331	1.987125	-0.03413	-54.6578	-537.708
49141_9141	49141	9141	-2489.67	-39.7333	-6.13725	-0.861	54.65775	537.7063
49141_9142	49141	9142	2489.673	59.08219	6.13725	0.861	-17.8356	-834.152
49142_9142	49142	9142	-2489.68	-81.8672	-2.16956	-0.17981	17.83556	834.1528
49142_9143	49142	9143	2489.68	107.6657	2.169563	0.179813	-0.47644	-1592.29
49143_9143	49143	9143	-2489.68	-107.666	-5.2815	-2.17088	0.476437	1592.286
49143_9144	49143	9144	2489.676	133.4642	5.2815	2.170875	41.78081	-2556.81
49144_9144	49144	9144	-2489.68	-133.464	-2.16956	1.025063	-41.7808	2556.81
49144_9145	49144	9145	2489.68	159.264	2.169563	-1.02506	59.13994	-3727.72
49145_9145	49145	9145	-2489.67	-180.828	3.101438	1.008	-59.1399	3727.723
49145_9146	49145	9146	2489.675	205.821	-3.10144	-1.008	35.10019	-5225.99
49146_9146	49146	9146	-2489.68	-205.821	-0.11025	-5.73431	-35.1002	5225.989
49146_9147	49146	9147	2489.677	230.8136	0.11025	5.734313	35.95594	-6917.95
49147_9147	49147	9147	-2489.67	-230.814	3.101438	3.192	-35.9559	6917.953
49147_9148	49147	9148	2489.675	264.2036	-3.10144	-3.192	6.486375	-9269.29
49148_9148	49148	9148	-30.0234	545.6246	0.0105	0.5145	-25.9206	31010.91
49148_9149	49148	9149	36.01106	-494.487	-0.0105	-0.5145	25.79588	-24469.3
49149_9149	49149	9149	-49.6519	493.3031	0.0105	1.225875	-25.7723	24469.35
49149_9150	49149	9150	53.94769	-445.128	-0.0105	-1.22588	25.64756	-18583.5
49150_9150	49150	9150	-67.5058	425.6753	-0.84919	0.588	-25.5203	18583.56
49150_9151	49150	9151	70.47469	-376.951	0.849188	-0.588	36.79069	-13258.5
49151_9151	49151	9151	-90.5284	270.2963	0.555188	1.731188	-18.7044	-1549.87

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49151_9152	49151	9152	91.77	-232.445	-0.55519	-1.73119	12.18	4504.475
49152_9152	49152	9152	-96.9833	208.0693	0.303188	-2.63419	-12.0881	-4504.48
49152_9153	49152	9153	97.2825	-181.758	-0.30319	2.634188	9.582563	6112.54
49153_9153	49153	9153	-99.3418	180.6407	0.231	1.9215	-9.61144	-6112.54
49153_9154	49153	9154	99.34181	-138.103	-0.231	-1.9215	6.429938	8303.894
49154_9154	49154	9154	-99.3418	112.5954	-0.03806	4.575375	-6.42994	-8303.89
49154_9155	49154	9155	99.34181	-78.5649	0.038063	-4.57538	6.855188	9355.276
49155_9155	49155	9155	-99.3418	78.56494	0.051188	-3.92963	-6.85519	-9355.28
49155_9156	49155	9156	99.34181	-44.5344	-0.05119	3.929625	6.286875	10032.32
49156_9156	49156	9156	-99.3418	17.60194	0.1155	5.110875	-6.28688	-10032.3
49156_9157	49156	9157	99.34181	13.335	-0.1155	-5.11088	5.131875	10053.65
49157_9157	49157	9157	-99.3418	-13.335	0.21525	-4.94288	-5.13188	-10053.7
49157_9158	49157	9158	99.34181	44.27194	-0.21525	4.942875	2.983313	9765.616
49158_9158	49158	9158	-99.3418	-70.434	0	4.307625	-2.98331	-9765.62
49158_9159	49158	9159	99.34181	101.3696	0	-4.30763	2.978063	8906.597
49159_9159	49159	9159	-99.3418	-101.37	0.09975	-4.599	-2.97806	-8906.6
49159_9160	49159	9160	99.34181	132.3066	-0.09975	4.599	1.97925	7738.213
49160_9160	49160	9160	-99.3418	-158.761	0.261188	-0.35831	-1.97925	-7738.21
49160_9161	49160	9161	99.34181	192.7603	-0.26119	0.358313	-0.89381	5806.602
49161_9161	49161	9161	-99.3418	-192.76	0.261188	-0.36356	0.893813	-5806.6
49161_9162	49161	9162	99.34181	226.7908	-0.26119	0.363563	-3.7695	3499.07
49162_9162	49162	9162	-99.3418	-251.417	-0.26381	-0.51056	3.7695	-3499.07
49162_9163	49162	9163	99.34181	293.9554	0.263813	0.510563	-0.13913	-252.875
49163_9163	49163	9163	-95.9936	-295.066	-0.38456	-0.81506	0.129938	252.8736
49163_9164	49163	9164	95.69569	321.3774	0.384563	0.815063	3.041063	-2821.22
49164_9164	49164	9164	-88.0819	-344.904	0.42	1.122188	-2.99644	2821.22
49164_9165	49164	9165	86.84025	382.7552	-0.42	-1.12219	-1.93463	-7140.7
49165_9165	49165	9165	-83.0904	-387.758	-1.49625	-3.90206	12.789	7649.974
49165_9166	49165	9166	80.14125	436.1529	1.49625	3.902063	7.079625	-13171
49166_9166	49166	9166	-65.9715	-459.512	0.998813	-8.14013	-7.58231	13170.99
49166_9167	49166	9167	61.70325	507.3758	-0.99881	8.140125	-4.94419	-19296
49167_9167	49167	9167	-47.6674	-508.886	1.082813	6.906375	6.495563	19295.98
49167_9168	49167	9168	41.7165	559.7117	-1.08281	-6.90638	-20.1298	-25825.8
49168_9168	49168	9168	-2344.92	238.4104	-3.88369	-1.30069	63.07481	6744.226
49168_9169	49168	9169	2344.919	-205.257	3.883688	1.300688	-26.1791	-4636.81
49169_9169	49169	9169	-2344.92	205.2566	-1.41488	3.5805	26.17913	4636.808
49169_9170	49169	9170	2344.922	-180.154	1.414875	-3.5805	-15.2093	-3143.34
49170_9170	49170	9170	-2344.92	180.1538	-4.4415	-0.47513	15.20925	3143.344
49170_9171	49170	9171	2344.918	-155.052	4.4415	0.475125	19.21106	-1844.42
49171_9171	49171	9171	-2344.92	132.6426	1.945125	0.91875	-19.2111	1844.418
49171_9172	49171	9172	2344.922	-106.731	-1.94513	-0.91875	3.646125	-886.925
49172_9172	49172	9172	-2344.92	106.7312	-0.98569	-0.19031	-3.64613	886.9258
49172_9173	49172	9173	2344.922	-80.8185	0.985688	0.190313	11.53031	-136.726
49173_9173	49173	9173	-2344.92	80.8185	1.945125	-0.01969	-11.5303	136.7271
49173_9174	49173	9174	2344.922	-54.9071	-1.94513	0.019688	-4.03331	406.1781
49174_9174	49174	9174	-2344.92	31.67588	1.110375	-0.24413	4.033313	-406.178
49174_9175	49174	9175	2344.922	-12.2417	-1.11038	0.244125	-10.6969	537.9308
49175_9175	49175	9175	-2344.92	12.24169	-2.79825	0.652313	10.69688	-537.931
49175_9176	49175	9176	2344.92	7.1925	2.79825	-0.65231	6.088688	553.0809
49176_9176	49176	9176	-2344.92	-7.1925	1.110375	-0.26906	-6.08869	-553.081
49176_9177	49176	9177	2344.922	26.62538	-1.11038	0.269063	-0.57487	451.6286
49177_9177	49177	9177	-2344.92	-26.6254	1.110375	-0.26906	0.574875	-451.629
49177_9178	49177	9178	2344.922	46.05956	-1.11038	0.269063	-7.23844	233.5725
49178_9178	49178	9178	-2344.92	-69.2068	-2.56069	-0.09844	7.238438	-233.573
49178_9179	49178	9179	2344.92	95.11819	2.560688	0.098437	13.24181	-423.73
49179_9179	49179	9179	-2344.92	-95.1182	0.371438	0.431813	-13.2418	423.7301
49179_9180	49179	9180	2344.922	121.0309	-0.37144	-0.43181	10.27425	-1288.33
49180_9180	49180	9180	-2344.92	-121.031	-2.56069	-1.17863	-10.2743	1288.325

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49180_9181	49180	9181	2344.92	146.9423	2.560688	1.178625	30.7545	-2360.22
49181_9181	49181	9181	-2344.92	-169.177	4.743375	1.224563	-30.7545	2360.216
49181_9182	49181	9182	2344.922	194.2802	-4.74338	-1.22456	-6.00994	-3768.61
49182_9182	49182	9182	-2344.92	-194.28	4.743375	1.224563	6.009938	3768.614
49182_9183	49182	9183	2344.922	219.3818	-4.74338	-1.22456	-42.7731	-5371.55
49183_9183	49183	9183	-2344.93	-219.382	2.275875	-4.42969	42.77306	5371.552
49183_9184	49183	9184	2344.926	252.5355	-2.27588	4.429688	-64.3899	-7765.42
49184_9184	49184	9184	-50.0273	532.9196	-1.51069	-7.62563	8.09025	27435.29
49184_9185	49184	9185	55.97813	-482.093	1.510688	7.625625	10.92656	-21129.1
49185_9185	49185	9185	-69.2711	480.3645	-1.42144	9.02475	-12.5895	21129.11
49185_9186	49185	9186	73.53806	-432.5	1.421438	-9.02475	30.43163	-15379.9
49186_9186	49186	9186	-86.8101	411.2745	1.903125	0.44625	-29.5916	15379.88
49186_9187	49186	9187	89.75794	-362.88	-1.90313	-0.44625	4.324688	-10424.4
49187_9187	49187	9187	-87.0883	246.1134	0.196875	1.52775	-11.6681	-5868
49187_9188	49187	9188	88.3575	-207.451	-0.19688	-1.52775	9.354188	8746.777
49188_9188	49188	9188	-93.0418	182.5596	0.43575	-3.21694	-9.26231	-8746.78
49188_9189	49188	9189	93.34763	-155.678	-0.43575	3.216938	5.666063	9494.114
49189_9189	49189	9189	-95.1103	154.6073	0.366188	3.697313	-5.70281	-9508.22
49189_9190	49189	9190	95.11031	-109.28	-0.36619	-3.69731	0.660188	11322.45
49190_9190	49190	9190	-95.1103	82.53525	-0.02231	-4.90219	-0.66019	-11322.4
49190_9191	49190	9191	95.11031	-46.2735	0.022313	4.902188	0.906938	12030.89
49191_9191	49191	9191	-95.1103	46.2735	-0.10894	6.034875	-0.90694	-12030.9
49191_9192	49191	9192	95.11031	-10.0118	0.108938	-6.03488	2.10525	12340.46
49192_9192	49192	9192	-95.1103	-17.724	0.007875	6.192375	-2.10525	-12340.5
49192_9193	49192	9193	95.11031	50.52469	-0.00788	-6.19238	2.0265	12000.92
49193_9193	49193	9193	-95.1103	-50.5247	0.103688	-5.8695	-2.0265	-12000.9
49193_9194	49193	9194	95.11031	83.32538	-0.10369	5.8695	0.996188	11335.01
49194_9194	49194	9194	-95.1103	-110.59	0.040688	4.843125	-0.99619	-11335
49194_9195	49194	9195	95.11031	143.3906	-0.04069	-4.84313	0.586687	10071.46
49195_9195	49195	9195	-95.1103	-143.391	0.1365	-5.27888	-0.58669	-10071.5
49195_9196	49195	9196	95.11031	176.1585	-0.1365	5.278875	-0.77306	8483.307
49196_9196	49196	9196	-95.1116	-203.888	0.102375	2.139375	0.773062	-8483.31
49196_9197	49196	9197	95.11163	240.1494	-0.10238	-2.13938	-1.89131	6041.112
49197_9197	49197	9197	-95.1103	-240.149	0.187688	-3.35213	1.891313	-6041.11
49197_9198	49197	9198	95.11031	276.4112	-0.18769	3.352125	-3.96113	3200.034
49198_9198	49198	9198	-95.1077	-303.236	-0.294	-1.22063	3.961125	-3200.04
49198_9199	49198	9199	95.10769	348.5961	0.294	1.220625	0.082688	-1323.11
49199_9199	49199	9199	-91.0626	-349.675	-0.22444	-0.35175	-0.08663	1351.296
49199_9200	49199	9200	90.73838	377.6601	0.224438	0.35175	1.9425	-4441.69
49200_9200	49200	9200	-81.6769	-403.379	-0.86625	-2.37038	-2.01863	4441.699
49200_9201	49200	9201	80.33288	443.6132	0.86625	2.370375	12.19706	-9569.31
49201_9201	49201	9201	-75.1131	-450.421	-4.389	-0.63394	2.907188	10304.7
49201_9202	49201	9202	71.85413	503.1823	4.389	0.633938	55.36519	-16658.7
49202_9202	49202	9202	-55.3127	-530.88	3.76425	6.597938	-54.8494	16658.65
49202_9203	49202	9203	50.62313	582.8629	-3.76425	-6.59794	7.6125	-23551.7
49203_9203	49203	9203	-34.4768	-584.04	3.681563	-11.7193	-9.61669	23551.68
49203_9204	49203	9204	27.9825	638.9854	-3.68156	11.71931	-36.7224	-31322.2
49204_9204	49204	9204	-2779.32	262.9161	-17.1964	-4.16456	344.4551	8437.993
49204_9205	49204	9205	2779.32	-226.632	17.19638	4.164563	-181.09	-6029.09
49205_9205	49205	9205	-2779.34	226.632	-14.2708	3.930938	181.0896	5688.392
49205_9206	49205	9206	2779.336	-198.976	14.27081	-3.93094	-70.4904	-4039.16
49206_9206	49206	9206	-2779.34	198.9763	-14.2708	3.930938	70.49044	4039.158
49206_9207	49206	9207	2779.336	-171.321	14.27081	-3.93094	40.10869	-2604.26
49207_9207	49207	9207	-2779.4	145.6731	-4.39294	-1.13794	-40.1087	2604.249
49207_9208	49207	9208	2779.403	-117.126	4.392938	1.137938	75.25088	-1553.05
49208_9208	49208	9208	-2779.41	117.1262	-0.91875	0.80325	-75.2509	1553.051
49208_9209	49208	9209	2779.405	-88.578	0.91875	-0.80325	82.59956	-730.237
49209_9209	49209	9209	-2779.41	88.578	2.555438	1.715438	-82.5996	730.2356

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49209_9210	49209	9210	2779.405	-60.0298	-2.55544	-1.71544	62.15475	-135.804
49210_9210	49210	9210	-2779.36	35.91919	-7.2345	0.023625	-62.1548	135.7965
49210_9211	49210	9211	2779.364	-14.5084	7.2345	-0.02363	105.5618	15.48488
49211_9211	49211	9211	-2779.37	14.50838	-2.60269	-0.00131	-105.562	-15.4849
49211_9212	49211	9212	2779.372	6.90375	2.602688	0.001312	121.1766	38.29875
49212_9212	49212	9212	-2779.37	-6.90375	2.029125	-0.06563	-121.177	-38.2988
49212_9213	49212	9213	2779.372	28.31456	-2.02913	0.065625	108.9992	-67.3575
49213_9213	49213	9213	-2779.37	-28.3146	6.66225	0.045938	-108.999	67.3575
49213_9214	49213	9214	2779.366	49.72669	-6.66225	-0.04594	69.027	-301.488
49214_9214	49214	9214	-2779.45	-73.5079	-8.96831	-3.83513	-69.027	301.5088
49214_9215	49214	9215	2779.45	102.0219	8.968313	3.835125	140.6908	-1002.78
49215_9215	49215	9215	-2779.46	-102.022	-2.05538	-1.34138	-140.691	1002.791
49215_9216	49215	9216	2779.463	130.5714	2.055375	1.341375	157.1391	-1933.24
49216_9216	49216	9216	-2779.46	-130.571	4.891688	3.49125	-157.139	1933.234
49216_9217	49216	9217	2779.459	159.1223	-4.89169	-3.49125	118.0016	-3092.14
49217_9217	49217	9217	-2779.4	-185.479	14.53463	-15.4193	-118.002	3092.396
49217_9218	49217	9218	2779.396	213.1382	-14.5346	15.41925	5.345813	-4637.25
49218_9218	49218	9218	-2779.32	-213.138	25.28925	2.52525	-5.34581	4637.279
49218_9219	49218	9219	2779.319	240.8004	-25.2893	-2.52525	-190.689	-6396.67
49219_9219	49219	9219	-2779.31	-240.8	26.42194	8.3685	190.6892	6737.36
49219_9220	49219	9220	2779.308	277.0924	-26.4219	-8.3685	-441.747	-9197.89
49220_9220	49220	9220	-6.93263	601.2694	-4.221	-38.3565	33.98194	32190.88
49220_9221	49220	9221	13.42556	-546.35	4.221	38.3565	19.12969	-24975.2
49221_9221	49221	9221	-28.6046	545.7677	-3.97556	41.21906	-27.3144	24975.21
49221_9222	49221	9222	33.29419	-493.764	3.975563	-41.2191	77.2275	-18636.3
49222_9222	49222	9222	-48.8513	462.0512	6.342	-1.89919	-73.2362	18638.65
49222_9223	49222	9223	52.11019	-409.304	-6.342	1.899188	-10.9371	-12800.7
49223_9223	49223	9223	-71.7137	286.188	2.277188	-2.31	-42.4817	-2581.36
49223_9224	49223	9224	73.08525	-245.161	-2.27719	2.31	15.71588	5905.184
49224_9224	49224	9224	-78.7329	219.8608	1.098563	14.91131	-15.9574	-5906.14
49224_9225	49224	9225	79.06369	-191.292	-1.09856	-14.9113	6.886688	7376.309
49225_9225	49225	9225	-81.2687	190.3637	1.371563	-10.0065	-6.71344	-7387.65
49225_9226	49225	9226	81.26869	-138.404	-1.37156	10.0065	-13.1552	9768.402
49226_9226	49226	9226	-81.2897	113.5641	0.345188	14.89163	13.15519	-9769.51
49226_9227	49226	9227	81.28969	-72.7663	-0.34519	-14.8916	-17.0835	10828.97
49227_9227	49227	9227	-81.2884	72.76631	0.559125	-13.6434	17.0835	-10829
49227_9228	49227	9228	81.28838	-31.962	-0.55913	13.64344	-23.4478	11424.53
49228_9228	49228	9228	-81.291	7.7595	0.33075	14.29444	23.44781	-11425
49228_9229	49228	9229	81.291	33.01725	-0.33075	-14.2944	-27.2121	11281.47
49229_9229	49229	9229	-81.2897	-33.0173	0.546	-15.4376	27.21206	-11281.5
49229_9230	49229	9230	81.28969	73.79925	-0.546	15.43763	-33.4123	10674.35
49230_9230	49230	9230	-81.2936	-99.0662	2.134125	14.68819	33.41231	-10673.9
49230_9231	49230	9231	81.29363	142.2645	-2.13413	-14.6882	-59.1137	9220.96
49231_9231	49231	9231	-81.2884	-142.265	2.321813	-6.58744	59.11369	-9220.97
49231_9232	49231	9232	81.28838	174.4706	-2.32181	6.587438	-79.9601	8033.304
49232_9232	49232	9232	-80.3093	-174.92	2.626313	-36.2604	79.75931	-8033.22
49232_9233	49232	9233	80.24625	186.1834	-2.62631	36.26044	-87.8417	7388.644
49233_9233	49233	9233	-77.1711	-212.405	-5.69756	5.981063	88.17244	-7388.44
49233_9234	49233	9234	76.49775	247.4246	5.697563	-5.98106	-33.8586	5153.273
49234_9234	49234	9234	-71.9263	-248.796	-5.48363	-7.95506	33.46088	-5153.27
49234_9235	49234	9235	70.89338	276.1697	5.483625	7.955063	7.077	3143.195
49235_9235	49235	9235	-66.6369	-277.232	-5.24081	-17.157	-7.69519	-3143.16
49235_9236	49235	9236	65.16956	304.8163	5.240813	17.157	40.36594	1310.858
49236_9236	49236	9236	-58.2356	-330.306	7.973438	-8.91188	-40.1258	-1310.76
49236_9237	49236	9237	55.08169	374.8592	-7.97344	8.911875	-38.5678	-2202.83
49237_9237	49237	9237	-37.8013	-397.458	7.483875	0.28875	175.3185	5718.032
49237_9238	49237	9238	33.74963	441.5119	-7.48388	-0.28875	-245.481	-9689.15
49238_9238	49238	9238	-20.8661	-474.201	-6.34594	-18.2923	243.9045	9688.036

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49238_9239	49238	9239	15.96263	517.902	6.345938	18.29231	-186.842	-14051.8
49239_9239	49239	9239	-8.78063	-518.075	-6.195	7.464188	190.1511	14051.73
49239_9240	49239	9240	6.296063	537.7457	6.195	-7.46419	-165.719	-16133.4
49240_9240	49240	9240	-2142.24	337.0001	20.73488	19.36594	892.1732	3545.187
49240_9241	49240	9241	2142.238	-309.38	-20.7349	-19.3659	-1023.45	-1498.95
49241_9241	49241	9241	-2139.12	246.6739	-44.793	-0.77438	1023.455	1497.98
49241_9242	49241	9242	2139.115	-232.886	44.793	0.774375	-881.877	-740.106
49242_9242	49242	9242	-2139.2	232.8861	-40.6626	0.654938	881.8766	740.1056
49242_9243	49242	9243	2139.198	-179.82	40.66256	-0.65494	-379.536	1809.146
49243_9243	49243	9243	-2139.3	179.8204	-34.9991	-4.13438	379.5356	-1809.14
49243_9244	49243	9244	2139.298	-141.23	34.99913	4.134375	-65.1013	3251.288
49244_9244	49244	9244	-2138.95	109.1252	-39.8252	8.056125	65.10131	-3250.39
49244_9245	49244	9245	2138.947	-64.2272	39.82519	-8.05613	351.1607	4156.355
49245_9245	49245	9245	-2139.05	64.22719	-33.8809	-3.49256	-351.161	-4156.36
49245_9246	49245	9246	2139.05	-24.8404	33.88088	3.492563	661.836	4564.714
49246_9246	49246	9246	-2139.62	4.01625	-13.0909	8.343563	-661.836	-4563.81
49246_9247	49246	9247	2139.624	41.29388	13.09088	-8.34356	799.9307	4367.194
49247_9247	49247	9247	-2139.66	-41.2939	-5.95481	-6.22256	-799.931	-4367.2
49247_9248	49247	9248	2139.656	80.31713	5.954813	6.222563	854.0333	3814.796
49248_9248	49248	9248	-2139.73	-103.27	1.09725	3.299625	-854.033	-3814.3
49248_9249	49248	9249	2139.732	144.0285	-1.09725	-3.29963	843.6186	2641.034
49249_9249	49249	9249	-2139.72	-144.029	6.3315	-3.1605	-843.619	-2641.03
49249_9250	49249	9250	2139.723	187.5602	-6.3315	3.1605	779.4557	960.7854
49250_9250	49250	9250	-2139.92	-210.07	26.16206	-3.28519	-779.456	-960.696
49250_9251	49250	9251	2139.925	252.4961	-26.1621	3.285188	521.0573	-1323.69
49251_9251	49251	9251	-2139.85	-252.496	31.40681	-0.042	-521.057	1323.697
49251_9252	49251	9252	2139.854	294.3714	-31.4068	0.042	214.8812	-3989.38
49252_9252	49252	9252	-2139.31	-332.417	3.180188	-84.1103	-214.881	3987.888
49252_9253	49252	9253	2139.308	345.9881	-3.18019	84.11025	204.8327	-5059.58
49253_9253	49253	9253	-2139.3	-345.988	7.157063	-74.7049	-204.833	5059.73
49253_9254	49253	9254	2139.299	387.4329	-7.15706	74.70488	136.8321	-8629.08
49254_9254	49254	9254	-6.2475	472.6746	-37.6688	88.83	143.6308	22361.48
49254_9255	49254	9255	13.13419	-414.119	37.66875	-88.83	305.466	-17193.9
49255_9255	49255	9255	-29.0614	358.1891	29.12831	-21.3426	-292.278	17192.14
49255_9256	49255	9256	33.72863	-307.918	-29.1283	21.34256	-18.8606	-13698.1
49256_9256	49256	9256	-40.9421	307.0213	29.3475	25.12125	15.11606	13698.11
49256_9257	49256	9257	44.39663	-256.873	-29.3475	-25.1213	-338.208	-10502.4
49257_9257	49257	9257	-50.3882	221.7088	-12.6893	-13.4531	340.2853	10502.23
49257_9258	49257	9258	51.49856	-200.248	12.68925	13.45313	-279.328	-9550.18
49258_9258	49258	9258	-54.9071	199.3464	-12.5856	-2.88619	278.5269	9550.214
49258_9259	49258	9259	56.22488	-161.459	12.58556	2.886188	-151.317	-7654.26
49259_9259	49259	9259	-59.22	160.3967	-12.4215	13.80225	150.9191	7654.259
49259_9260	49259	9260	59.6295	-135.377	12.4215	-13.8023	-67.3509	-6619.63
49260_9260	49260	9260	-162.464	166.5326	0.334688	31.62075	-10.0314	-6457.65
49260_9261	49260	9261	162.5321	-154.469	-0.33469	-31.6208	8.973562	6717.539
49261_9261	49261	9261	-163.401	153.5468	0.853125	10.56431	-8.79375	-6676.2
49261_9262	49261	9262	163.401	-110.57	-0.85313	-10.5643	-0.98044	8189.749
49262_9262	49262	9262	-163.398	110.5703	1.367625	-15.2631	0.980438	-8189.74
49262_9263	49262	9263	163.3984	-73.5538	-1.36763	15.26306	-14.4874	9098.522
49263_9263	49263	9263	-163.397	44.27325	1.571063	9.757125	14.48738	-9099.15
49263_9264	49263	9264	163.3971	-0.23231	-1.57106	-9.75713	-32.9464	9360.514
49264_9264	49264	9264	-163.393	0.232313	1.866375	-7.14919	32.94638	-9360.52
49264_9265	49264	9265	163.3931	42.19163	-1.86638	7.149188	-54.0671	9123.159
49265_9265	49265	9265	-163.41	-69.4995	1.195688	6.907688	54.06713	-9124.11
49265_9266	49265	9266	163.4102	113.6205	-1.19569	-6.90769	-68.1424	8046.784
49266_9266	49266	9266	-163.408	-113.621	1.47525	-6.80138	68.14238	-8046.78
49266_9267	49266	9267	163.4076	155.9709	-1.47525	6.801375	-84.7967	6524.38
49267_9267	49267	9267	-163.393	-183.431	2.492438	3.402	84.79669	-6525.33

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49267_9268	49267	9268	163.3931	208.5103	-2.49244	-3.402	-101.465	5214.632
49268_9268	49268	9268	-163.392	-208.51	2.584313	0.471188	101.4654	-5214.63
49268_9269	49268	9269	163.3918	233.7444	-2.58431	-0.47119	-118.855	3912.931
49269_9269	49269	9269	-160.433	-235.781	2.842875	-7.65844	118.7681	-3956.4
49269_9270	49269	9270	159.9399	274.9924	-2.84288	7.658438	-146.168	1372.433
49270_9270	49270	9270	-153.194	-304.885	-4.12781	-7.98525	146.0642	-1372.69
49270_9271	49270	9271	151.7237	347.508	4.127813	7.98525	-103.218	-2181.37
49271_9271	49271	9271	-144.729	-350.482	-3.84169	-6.04931	103.2557	2165.208
49271_9272	49271	9272	142.6307	388.9253	3.841688	6.049313	-71.9198	-5230.04
49272_9272	49272	9272	-137.07	-390.924	-3.45581	4.85625	72.64819	5230.029
49272_9273	49272	9273	135.3647	415.6412	3.455813	-4.85625	-54.8139	-7302.14
49273_9273	49273	9273	-124.745	-446.813	9.247875	-34.8219	51.50381	7303.474
49273_9274	49273	9274	119.5898	505.5881	-9.24788	34.82194	-161.915	-13099.7
49274_9274	49274	9274	-105.738	-508.654	9.8595	8.502375	166.4066	13099.64
49274_9275	49274	9275	97.9125	576.5524	-9.8595	-8.50238	-295.988	-19969.9
49275_9275	49275	9275	-2284.82	118.5739	-61.4565	1.557938	1356.008	1679.243
49275_9276	49275	9276	2284.816	-96.222	61.4565	-1.55794	-1055.93	-1154.84
49276_9276	49276	9276	-2284.88	96.222	-58.8236	2.888813	1055.927	1154.84
49276_9277	49276	9277	2284.884	-75.0737	58.82363	-2.88881	-784.177	-759.167
49277_9277	49277	9277	-2284.98	75.07369	-55.0909	-0.70481	784.1768	959.6685
49277_9278	49277	9278	2284.977	-35.8313	55.09088	0.704813	-276.686	-448.854
49278_9278	49278	9278	-3436.91	307.6868	-37.1621	-14.9861	390.2483	9476.15
49278_9279	49278	9279	3436.907	-259.668	37.16213	14.98613	29.99719	-6268.25
49279_9279	49279	9279	-3437.04	259.6676	-22.4438	11.85713	-29.9972	6268.261
49279_9280	49279	9280	3437.036	-210.185	22.44375	-11.8571	291.5286	-3530.75
49280_9280	49280	9280	-3437.61	179.2744	-32.2311	-4.14225	-291.529	3531.423
49280_9281	49280	9281	3437.611	-129.553	32.23106	4.14225	668.9274	-1723.38
49281_9281	49281	9281	-3437.71	129.5529	-18.3921	2.795625	-668.927	1723.387
49281_9282	49281	9282	3437.713	-78.8419	18.39206	-2.79563	888.5704	-479.066
49282_9282	49282	9282	-3437.91	46.75388	-14.7368	-0.59719	-888.57	479.1872
49282_9283	49282	9283	3437.906	1.218	14.73675	0.597188	1071.4	-196.719
49283_9283	49283	9283	-3437.94	-1.218	1.714125	0.343875	-1071.4	196.7188
49283_9284	49283	9284	3437.938	44.66306	-1.71413	-0.34388	1052.143	-454.469
49284_9284	49284	9284	-3436.28	-89.6254	69.909	-2.90588	-1052.14	454.5726
49284_9285	49284	9285	3436.279	128.7851	-69.909	2.905875	344.1493	-1560.54
49285_9285	49285	9285	-3436.06	-128.785	80.07431	1.7115	-344.149	1560.54
49285_9286	49285	9286	3436.057	165.0482	-80.0743	-1.7115	-406.817	-2938.37
49286_9286	49286	9286	-3435.96	-211.1	-13.1237	-45.6159	406.8173	2938.499
49286_9287	49286	9287	3435.964	226.6609	13.12369	45.61594	-354.002	-3819.37
49287_9287	49287	9287	-3435.96	-226.661	-15.0833	-46.4704	354.0023	3517.835
49287_9288	49287	9288	3435.956	266.406	15.08325	46.47038	-210.742	-5918.04
49288_9288	49288	9288	46.1895	1013.419	-30.5983	72.84506	-57.5781	32157.73
49288_9289	49288	9289	-40.5799	-962.128	30.59831	-72.8451	385.686	-21674.6
49289_9289	49289	9289	3.923063	830.2101	24.549	-18.9669	-375.168	21679.81
49289_9290	49289	9290	0.463313	-775.672	-24.549	18.96694	82.971	-11934
49290_9290	49290	9290	-23.8862	775.299	24.70781	13.24444	-84.9923	11933.95
49290_9291	49290	9291	26.45869	-723.848	-24.7078	-13.2444	-201.59	-3097.42
49291_9291	49291	9291	-43.2797	670.5878	-16.1293	8.91975	201.8218	3097.624
49291_9292	49291	9292	43.83225	-652.467	16.12931	-8.91975	-134.908	-276.197
49292_9292	49292	9292	-55.0384	651.6221	-15.9626	5.721188	135.0523	282.7995
49292_9293	49292	9293	55.44656	-621.172	15.96263	-5.72119	-7.16494	5215.711
49293_9293	49293	9293	-63.6326	620.3899	-15.8314	-4.21838	7.242375	-5215.71
49293_9294	49293	9294	63.6405	-590.117	15.83138	4.218375	119.1619	10434.74
49294_9294	49294	9294	-63.4239	537.6039	-1.71019	47.11613	-119.163	-10436.3
49294_9295	49294	9295	63.42394	-522.409	1.710188	-47.1161	126.0171	11787.43
49295_9295	49295	9295	-63.4292	522.4091	-1.49625	7.472063	-126.017	-11787.5
49295_9296	49295	9296	63.42919	-477.741	1.49625	-7.47206	141.2644	16881.36
49296_9296	49296	9296	-63.4331	477.7408	-1.34925	-31.9043	-141.264	-16881.3

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49296_9297	49296	9297	63.43313	-441.509	1.34925	31.90425	152.4088	20678.79
49297_9297	49297	9297	-50.1638	436.8302	1.9635	37.33669	-31.2073	-12973.2
49297_9298	49297	9298	50.16375	-386.687	-1.9635	-37.3367	8.640188	17705.43
49298_9298	49298	9298	-50.1559	386.6874	2.134125	-22.89	-8.64019	-17705.5
49298_9299	49298	9299	50.15588	-340.092	-2.13413	22.89	-14.1514	21586.3
49299_9299	49299	9299	-50.1861	291.1873	0.762563	49.63088	14.15138	-21589.4
49299_9300	49299	9300	50.18606	-244.065	-0.76256	-49.6309	-22.3926	24479.9
49300_9300	49300	9300	-50.1834	244.0646	0.925313	-29.4486	22.39256	-24479.9
49300_9301	49300	9301	50.18344	-188.192	-0.92531	29.44856	-34.2405	27247.68
49301_9301	49301	9301	-50.2268	138.5764	-1.05919	60.63094	34.2405	-27251.2
49301_9302	49301	9302	50.22675	-86.8403	1.059188	-60.6309	-21.6891	28587.67
49302_9302	49302	9302	-50.2307	86.84025	-0.86231	-50.8738	21.68906	-28587.7
49302_9303	49302	9303	50.23069	-35.5504	0.862313	50.87381	-11.5487	29307.08
49303_9303	49303	9303	-50.2176	-13.5096	-0.03413	47.44294	11.54869	-29311.3
49303_9304	49303	9304	50.21756	68.31431	0.034125	-47.4429	-11.1195	28797.42
49304_9304	49304	9304	-50.2176	-68.3143	0.133875	-49.0928	11.1195	-28797.4
49304_9305	49304	9305	50.21756	116.4949	-0.13388	49.09275	-12.6013	27776.99
49305_9305	49305	9305	-50.2254	-164.392	-0.13519	54.85463	12.60131	-27780.5
49305_9306	49305	9306	50.22544	212.6066	0.135188	-54.8546	-11.1129	25697.51
49306_9306	49306	9306	-50.2268	-212.607	0.069563	-49.7582	11.11294	-25697.5
49306_9307	49306	9307	50.22675	267.3746	-0.06956	49.75819	-11.9884	22685.01
49307_9307	49307	9307	-50.2163	-311.006	0.669375	19.89356	11.98838	-22687.9
49307_9308	49307	9308	50.21625	362.8879	-0.66938	-19.8936	-19.9539	18681.23
49308_9308	49308	9308	-50.2149	-362.888	0.799313	-28.3539	19.95394	-18681.2
49308_9309	49308	9309	50.21494	413.9468	-0.79931	28.35394	-29.3108	14135.73
49309_9309	49309	9309	-50.2871	-454.107	-2.76281	5.74875	29.31075	-14137.3
49309_9310	49309	9310	50.28713	506.2181	2.762813	-5.74875	3.689438	8402.34
49310_9310	49310	9310	-50.295	-506.218	-2.59481	-22.302	-3.68944	-8402.31
49310_9311	49310	9311	50.295	557.0644	2.594813	22.302	33.93206	2206.679
49311_9311	49311	9311	-50.0509	-582.188	10.22963	-17.3421	-33.9321	-2206.85
49311_9312	49311	9312	50.05088	596.6625	-10.2296	17.34206	0	251.5774

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95
	Max.	1.31	1.58	1.84	1.84	1.05			0.00	
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1	2	3	4	5	6	7	8	9
1000_1000	1000	1000	80.17275	558.7391	0.219188	-10.0196	0	-449.61
1000_1001	1000	1001	-24.8679	-484.152	-0.21919	10.01963	-3.73669	9062.659
9000_9000	9000	9000	72.97238	514.479	5.544	10.96594	0	-493.249
9000_9001	9000	9001	-46.9639	-478.076	-5.544	-10.9659	-46.0149	4492.577
9001_9001	9001	9001	46.97963	478.0703	5.557125	5.536125	46.01494	-4492.59
9001_9002	9001	9002	-22.3899	-439.06	-5.55713	-5.53613	-95.4371	8457.904
9002_9002	9002	9002	22.40044	420.9463	-5.21325	15.98494	95.43713	-8457.91
9002_9003	9002	9003	8.217563	-367.949	5.21325	-15.9849	-32.4398	13083.39
9003_9003	9003	9003	-8.232	367.941	-5.1975	-5.25131	32.43975	-13083.4
9003_9004	9003	9004	32.59988	-314.912	5.1975	5.251313	30.39881	17099.6
9004_9004	9004	9004	-32.5986	286.6198	1.053938	20.15344	-30.3988	-17099.6
9004_9005	9004	9005	51.74663	-233.639	-1.05394	-20.1534	17.67413	20154.16
9005_9005	9005	9005	-51.744	233.6329	1.069688	-12.957	-17.6741	-20154.2
9005_9006	9005	9006	64.63931	-180.621	-1.06969	12.957	4.746	22598.91
9006_9006	9006	9006	-64.638	152.0899	0.405563	11.14181	-4.746	-22598.9
9006_9007	9006	9007	74.46731	-99.0846	-0.40556	-11.1418	-0.1575	24072.1
9007_9007	9007	9007	-74.4673	99.078	0.413438	-7.46288	0.1575	-24072.1
9007_9008	9007	9008	78.03075	-46.0779	-0.41344	7.462875	-5.15156	24933.56
9008_9008	9008	9008	-78.0308	17.16225	-0.19031	-1.57894	5.151563	-24933.5
9008_9009	9008	9009	79.002	35.86538	0.190313	1.578938	-2.84944	24816.97
9009_9009	9009	9009	-79.002	-35.8719	-0.19163	0.903	2.849438	-24817
9009_9010	9009	9010	73.70869	88.85494	0.191625	-0.903	-0.53681	24089.08
9010_9010	9010	9010	-73.7087	-119.205	1.135313	15.2985	0.536813	-24089.1
9010_9011	9010	9011	65.793	172.221	-1.13531	-15.2985	-14.2577	22365.43
9011_9011	9011	9011	-65.7917	-172.228	1.14975	-19.1888	14.25769	-22365.4
9011_9012	9011	9012	51.61144	225.2329	-1.14975	19.18875	-28.1597	20030.42
9012_9012	9012	9012	-51.6114	-254.495	0.753375	9.527438	28.15969	-20030.4
9012_9013	9012	9013	34.43738	307.4938	-0.75338	-9.52744	-37.2684	16715.5
9013_9013	9013	9013	-34.4374	-307.5	0.769125	-16.0099	37.26844	-16715.5
9013_9014	9013	9014	11.00531	360.4886	-0.76913	16.00988	-46.5596	12789.92
9014_9014	9014	9014	-11.0014	-388.693	0.736313	2.596125	46.55963	-12789.9
9014_9015	9014	9015	-24.8456	456.8747	-0.73631	-2.59613	-57.9994	6384.757
9015_9015	9015	9015	23.02388	-455.373	0.5145	-7.55869	54.18919	-6335.34
9015_9016	9015	9016	-49.8579	489.4523	-0.5145	7.5705	-58.4391	2539.365
9016_9016	9016	9016	81.80419	-515.991	-4.41394	-5.49413	82.65338	-2643.12
9016_9017	9016	9017	-119.62	564.8934	4.413938	5.516438	-30.7348	-3762.91
9017_9017	9017	9017	135.4264	-562.426	-4.39294	1.355813	31.04981	3761.851
9017_9018	9017	9018	-172.165	621.2863	4.392938	-1.31775	27.27769	-11433.7
9018_9018	9018	9018	191.8455	-647.28	5.6175	-17.3959	-28.9708	11433.99
9018_9019	9018	9019	-217.607	705.4071	-5.6175	17.30269	-41.517	-19697.2
9019_9019	9019	9019	236.6858	-701.723	5.63325	12.76931	44.69456	19698.18
9019_9020	9019	9020	-255.184	763.2949	-5.63325	-12.873	-115.629	-28525.6
9020_9020	9020	9020	-2760.76	237.9248	-33.0422	-4.21969	713.2926	5192.289
9020_9021	9020	9021	2786.701	-197.626	33.04219	4.219688	-399.306	-3227.2
9021_9021	9021	9021	-2780.49	197.5037	-26.8104	2.581688	401.6408	3196.627
9021_9022	9021	9022	2799.439	-167.462	26.81044	-2.58169	-194.158	-1860.66
9022_9022	9022	9022	-2799.41	167.4474	-29.568	0.836063	194.1581	1860.66
9022_9023	9022	9023	2815.505	-137.324	29.568	-0.83606	35.2905	-742.921
9023_9023	9023	9023	-2815.59	112.371	-6.17925	-0.25463	-35.2905	742.9091
9023_9024	9023	9024	2828.915	-81.3173	6.17925	0.254625	84.72713	-21.819
9024_9024	9024	9024	-2828.92	81.30281	-6.17925	-0.25463	-84.7271	21.819
9024_9025	9024	9025	2839.146	-50.2491	6.17925	0.254625	134.1624	463.1865
9025_9025	9025	9025	-2839.15	45.79706	-2.72081	-0.63	-134.162	-463.185
9025_9026	9025	9026	2843.134	-14.7486	2.720813	0.63	155.925	689.283
9026_9026	9026	9026	-2843.13	-7.035	-6.40631	0.003938	-155.925	-689.273
9026_9027	9026	9027	2844.59	30.31219	6.406313	-0.00394	194.3379	571.4244
9027_9027	9027	9027	-2844.6	-30.324	-1.28756	-0.68644	-194.338	-571.424

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9027_9028	9027	9028	2844.316	53.63531	1.287563	0.686438	202.0738	320.4574
9028_9028	9028	9028	-2844.32	-53.6471	-1.79025	-0.66413	-202.074	-320.457
9028_9029	9028	9029	2842.294	76.92038	1.79025	0.664125	212.8101	-62.8058
9029_9029	9029	9029	-2842.29	-76.9309	-1.28756	-0.62081	-212.81	62.80575
9029_9030	9029	9030	2838.525	100.2435	1.287563	0.620813	220.5459	-579.637
9030_9030	9030	9030	-2838.53	-122.355	1.98975	-1.96875	-220.546	579.6328
9030_9031	9030	9031	2831.469	153.3906	-1.98975	1.96875	204.6371	-1653.55
9031_9031	9031	9031	-2831.47	-153.406	1.98975	-1.96875	-204.637	1653.554
9031_9032	9031	9032	2821.321	184.443	-1.98975	1.96875	188.727	-2963.3
9032_9032	9032	9032	-2821.32	-184.459	5.818313	2.166938	-188.727	2963.302
9032_9033	9032	9033	2808.057	215.5296	-5.81831	-2.16694	142.1582	-4510.73
9033_9033	9033	9033	-2808.01	-240.052	20.62331	-6.9195	-142.158	4510.776
9033_9034	9033	9034	2792.185	270.1453	-20.6233	6.9195	-17.7188	-6424.7
9034_9034	9034	9034	-2792.18	-270.16	20.62331	-6.9195	17.71875	6424.702
9034_9035	9034	9035	2773.454	300.2541	-20.6233	6.9195	-177.596	-8560.35
9035_9035	9035	9035	-2780.67	-300.381	27.16613	12.88875	175.8698	8595.805
9035_9036	9035	9036	2755.104	340.6673	-27.1661	-12.8888	-433.934	-11768.5
9036_9036	9036	9036	228.9171	651.8334	-4.22888	-34.9598	62.19544	37172.97
9036_9037	9036	9037	-215.576	-590.269	4.228875	34.88888	-8.99063	-29375.4
9037_9037	9037	9037	199.479	593.1529	-4.116	33.2325	1.904438	29374.46
9037_9038	9037	9038	-180.23	-534.954	4.116	-33.2955	49.76344	-22319.5
9038_9038	9038	9038	163.9339	511.6545	2.907188	-5.15156	-46.3693	22319.5
9038_9039	9038	9039	-135.571	-452.784	-2.90719	5.201438	7.784438	-16118.2
9039_9039	9039	9039	701.7518	446.9273	1.497563	6.239625	-13.5371	12918.2
9039_9040	9039	9040	-682.814	-397.702	-1.49756	-6.25144	-4.07531	-8096.03
9040_9040	9040	9040	674.2772	372.9101	0.437063	0.42525	4.323375	8097.371
9040_9041	9040	9041	-634.077	-338.915	-0.43706	-0.42263	-7.92619	-5357.02
9041_9041	9041	9041	726.6919	341.2054	0.500063	0.700875	5.614875	4858.871
9041_9042	9041	9042	-616.343	-284.483	-0.50006	-0.70088	-13.1657	-336.438
9042_9042	9042	9042	616.3448	257.3012	-0.20738	3.172313	13.16569	336.4305
9042_9043	9042	9043	-536.356	-212.723	0.207375	-3.17231	-10.6969	2104.427
9043_9043	9043	9043	536.3558	212.73	-0.15225	-2.25488	10.69688	-2104.43
9043_9044	9043	9044	-463.847	-168.193	0.15225	2.254875	-8.89613	4043.714
9044_9044	9044	9044	463.8454	135.9881	-0.10106	3.9585	8.896125	-4043.71
9044_9045	9044	9045	-400.922	-91.4196	0.101063	-3.9585	-7.70175	5111.182
9045_9045	9045	9045	400.9215	91.42744	-0.03806	-3.44138	7.70175	-5111.18
9045_9046	9045	9046	-345.416	-46.8628	0.038063	3.441375	-7.24369	5678.849
9046_9046	9046	9046	345.4159	18.79763	0.003938	3.314063	7.243688	-5678.85
9046_9047	9046	9047	-294.064	25.76044	-0.00394	-3.31406	-7.29488	5400.692
9047_9047	9047	9047	294.063	-25.7526	0.066938	-3.36	7.294875	-5400.69
9047_9048	9047	9048	-250.126	70.30669	-0.06694	3.36	-8.08238	4623.058
9048_9048	9048	9048	250.1258	-98.1146	0.195563	1.615688	8.082375	-4623.06
9048_9049	9048	9049	-210.427	142.6635	-0.19556	-1.61569	-10.4042	3003.433
9049_9049	9049	9049	210.4266	-142.656	0.25725	-2.19319	10.40419	-3003.43
9049_9050	9049	9050	-178.138	187.2006	-0.25725	2.193188	-13.4636	884.6447
9050_9050	9050	9050	178.1351	-213.726	-0.23231	-1.11956	13.46363	-884.637
9050_9051	9050	9051	-144.295	270.5023	0.232313	1.119563	-9.94481	-3338.79
9051_9051	9051	9051	144.5036	-268.993	-0.12469	1.241625	10.353	3355.55
9051_9052	9051	9052	-131.35	300.8027	0.124688	-1.23375	-9.324	-5719.28
9052_9052	9052	9052	138.8048	-324.781	-1.41225	-1.64063	9.262313	5720.162
9052_9053	9052	9053	-124.747	370.6172	1.41225	1.620938	7.335563	-9871.84
9053_9053	9053	9053	116.9805	-368.777	-2.98856	0.609	4.466438	9972.771
9053_9054	9053	9054	-119.061	426.972	2.988563	-0.57094	35.21438	-15442.4
9054_9054	9054	9054	133.4589	-450.503	2.961	-9.7755	-36.2053	15444.84
9054_9055	9054	9055	-142.383	507.7039	-2.961	9.72825	-0.96075	-21205.5
9055_9055	9055	9055	156.3608	-503.869	3.01875	7.792313	2.749688	21209.36
9055_9056	9055	9056	-169.866	564.0876	-3.01875	-7.84744	-40.7505	-27669.7
9056_9056	9056	9056	-2364.83	319.0556	-24.9336	-6.76856	439.4303	8158.542

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9056_9057	9056	9057	2399.615	-279.2	24.93356	6.768563	-202.592	-5462.78
9057_9057	9057	9057	-2400.85	279.1911	-20.2965	4.003125	204.2329	5422.843
9057_9058	9057	9058	2426.33	-247.27	20.2965	-4.00313	-46.8904	-3488.88
9058_9058	9058	9058	-2426.35	247.2698	-16.9194	9.15075	46.89038	3488.873
9058_9059	9058	9059	2449.073	-215.352	16.91944	-9.15075	84.26644	-1791.52
9059_9059	9059	9059	-2449.1	191.9846	-6.47981	-0.38063	-84.2664	1791.493
9059_9060	9059	9060	2469.645	-159.075	6.479813	0.380625	136.0551	-475.754
9060_9060	9060	9060	-2469.65	154.6296	-2.96231	1.435875	-136.055	475.7511
9060_9061	9060	9061	2484.304	-121.682	2.962313	-1.43588	159.7588	566.1128
9061_9061	9061	9061	-2484.3	121.6832	-2.96231	1.435875	-159.759	-566.113
9061_9062	9061	9062	2496.023	-88.7342	2.962313	-1.43588	183.4626	1356.071
9062_9062	9062	9062	-2496.02	67.69481	0.513188	0.678563	-183.463	-1356.07
9062_9063	9062	9063	2503.382	-42.9673	-0.51319	-0.67856	180.3821	1655.124
9063_9063	9063	9063	-2503.38	42.96731	-4.16719	1.450313	-180.382	-1655.12
9063_9064	9063	9064	2509.083	-18.2779	4.167188	-1.45031	205.3669	1812.146
9064_9064	9064	9064	-2509.08	18.27788	4.566188	-0.27694	-205.367	-1812.15
9064_9065	9064	9065	2513.136	6.406313	-4.56619	0.276938	177.9908	1827.74
9065_9065	9065	9065	-2513.14	-6.405	0.513188	0.455438	-177.991	-1827.74
9065_9066	9065	9066	2515.551	31.1325	-0.51319	-0.45544	174.9103	1701.592
9066_9066	9066	9066	-2515.55	-52.0879	2.754938	0.0315	-174.91	-1701.6
9066_9067	9066	9067	2516.891	85.02638	-2.75494	-0.0315	152.8761	1142.741
9067_9067	9067	9067	-2516.88	-85.0264	6.028313	0.42525	-152.876	-1142.74
9067_9068	9067	9068	2515.292	117.9623	-6.02831	-0.42525	104.6588	332.199
9068_9068	9068	9068	-2515.29	-117.961	6.028313	0.42525	-104.659	-332.199
9068_9069	9068	9069	2510.769	150.8981	-6.02831	-0.42525	56.44144	-730.072
9069_9069	9069	9069	-2510.73	-173.789	20.02219	-4.40213	-56.4414	730.0913
9069_9070	9069	9070	2503.633	205.6911	-20.0222	4.402125	-98.6751	-2176.74
9070_9070	9070	9070	-2503.63	-205.69	20.24925	-4.08319	98.67506	2176.741
9070_9071	9070	9071	2493.775	237.6321	-20.2493	4.083188	-255.752	-3861.86
9071_9071	9071	9071	-2491.37	-237.647	24.85219	5.877375	256.7198	3897.824
9071_9072	9071	9072	2475.564	277.5098	-24.8522	-5.87738	-492.816	-6287.39
9072_9072	9072	9072	107.9663	610.2981	-2.89275	-15.3366	54.59869	25301.57
9072_9073	9072	9073	-62.9186	-550.48	2.89275	15.2775	-18.1952	-18210.4
9073_9073	9073	9073	47.817	553.9459	-2.77331	19.25306	14.58319	18207.75
9073_9074	9073	9074	3.42825	-497.184	2.773313	-19.3056	20.24663	-11801.6
9074_9074	9074	9074	-18.6336	477.2381	3.188063	2.380875	-18.6047	11800.04
9074_9075	9074	9075	74.26256	-419.518	-3.18806	-2.32313	-23.7077	-6022.69
9075_9075	9075	9075	502.6521	414.057	1.68	1.03425	5.383875	2858.727
9075_9076	9075	9076	-477.409	-368.971	-1.68	-1.04213	-25.1396	1565.828
9076_9076	9076	9076	469.434	347.2337	-0.49481	3.174938	25.13044	-1565.08
9076_9077	9076	9077	-434.772	-316.013	0.494813	-3.17231	-21.0459	4137.95
9077_9077	9077	9077	397.6258	314.2086	-0.51319	-0.504	24.13031	-4088.5
9077_9078	9077	9078	-340.821	-259.645	0.513188	0.504	-17.0993	7765.581
9078_9078	9078	9078	340.8221	236.5178	-0.29925	7.352625	17.09925	-7765.6
9078_9079	9078	9079	-298.848	-192.122	0.29925	-7.35263	-13.7616	9965.672
9079_9079	9079	9079	298.8484	192.1356	-0.23231	-4.66856	13.76156	-9965.67
9079_9080	9079	9080	-262.677	-147.702	0.232313	4.668563	-11.1681	11696.7
9080_9080	9080	9080	262.6772	123.5903	-0.13519	0.89775	11.16806	-11696.7
9080_9081	9080	9081	-229.558	-79.1621	0.135188	-0.89775	-9.66394	12675.29
9081_9081	9081	9081	229.5576	79.17525	-0.13519	0.89775	9.663938	-12675.3
9081_9082	9081	9082	-202.279	-34.7471	0.135188	-0.89775	-8.16113	13182.89
9082_9082	9082	9082	202.2773	9.138938	-0.14831	5.746125	8.161125	-13182.9
9082_9083	9082	9083	-175.888	38.63081	0.148313	-5.74613	-6.3735	12880.36
9083_9083	9083	9083	175.8868	-38.6164	-0.09319	-5.502	6.3735	-12880.4
9083_9084	9083	9084	-156.264	86.34544	0.093188	5.502	-5.25656	12034.33
9084_9084	9084	9084	156.2649	-112.051	0.0315	4.507125	5.256563	-12034.3
9084_9085	9084	9085	-140.687	156.4684	-0.0315	-4.50713	-5.61356	10457.21
9085_9085	9085	9085	140.6869	-156.455	0.095813	-5.61094	5.613563	-10457.2

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9085_9086	9085	9086	-130.948	200.8716	-0.09581	5.610938	-6.67669	8409.408
9086_9086	9086	9086	130.9468	-225.616	-0.07481	1.58025	6.676688	-8409.4
9086_9087	9086	9087	-123.903	270.0705	0.074813	-1.58025	-5.84063	5598.521
9087_9087	9087	9087	123.9013	-270.057	-0.01444	-3.56738	5.840625	-5598.52
9087_9088	9087	9088	-122.702	314.4698	0.014438	3.567375	-5.67919	2319.403
9088_9088	9088	9088	122.6991	-337.696	-0.26119	-2.25881	5.679188	-2319.39
9088_9089	9088	9089	-125.87	390.1498	0.261188	2.258813	-2.24306	-2478.5
9089_9089	9089	9089	131.0597	-388.665	-0.24675	-0.47775	1.756125	2511.674
9089_9090	9089	9090	-136.388	421.4648	0.24675	0.485625	0.286125	-6021.67
9090_9090	9090	9090	146.3569	-448.567	-0.54338	-8.28188	-0.5565	6022.335
9090_9091	9090	9091	-158.957	495.6591	0.543375	8.256938	6.9405	-11586.4
9091_9091	9091	9091	158.7246	-492.533	-1.848	4.591125	1.113	11664.68
9091_9092	9091	9092	-177.272	550.2499	1.848	-4.55438	23.42156	-18465.4
9092_9092	9092	9092	194.9561	-572.913	1.715438	-31.9764	-26.5991	18467.38
9092_9093	9092	9093	-210.706	629.7309	-1.71544	31.90031	5.059688	-26004.2
9093_9093	9093	9093	227.9091	-624.94	1.89	30.42375	1.33875	26007.71
9093_9094	9093	9094	-242.197	684.8284	-1.89	-30.5104	-25.1331	-34231.1
9094_9094	9094	9094	-2718.22	284.8834	-18.165	-5.56106	269.1518	9111.886
9094_9095	9094	9095	2746.303	-245.326	18.165	5.561063	-96.6341	-6618.48
9095_9095	9095	9095	-2748.97	245.4165	-13.5161	4.995375	95.25469	6631.417
9095_9096	9095	9096	2768.112	-213.881	13.51613	-4.99538	9.572063	-4928.74
9096_9096	9096	9096	-2768.11	213.8876	-13.6566	4.743375	-9.57206	4928.742
9096_9097	9096	9097	2784.601	-182.393	13.65656	-4.74338	115.353	-3461.83
9097_9097	9097	9097	-2784.65	158.8952	2.500313	-2.18269	-115.353	3461.78
9097_9098	9097	9098	2798.828	-126.344	-2.50031	2.182688	95.33738	-2378.7
9098_9098	9098	9098	-2798.82	126.3504	6.009938	1.374188	-95.3374	2378.703
9098_9099	9098	9099	2810.186	-93.8411	-6.00994	-1.37419	47.28544	-1545.88
9099_9099	9099	9099	-2810.19	93.84769	6.13725	1.471313	-47.2854	1545.884
9099_9100	9099	9100	2818.762	-61.299	-6.13725	-1.47131	-1.84669	-961.187
9100_9100	9100	9100	-2818.74	41.58	-0.98044	-0.84263	1.846688	961.1753
9100_9101	9100	9101	2823.764	-17.1688	0.980438	0.842625	4.039875	-806.412
9101_9101	9101	9101	-2823.76	17.17406	-1.14188	-0.93319	-4.03988	806.4118
9101_9102	9101	9102	2827.205	7.196438	1.141875	0.933188	10.88588	-791.781
9102_9102	9102	9102	-2827.21	-7.19119	-0.98044	-0.84131	-10.8859	791.7814
9102_9103	9102	9103	2829.077	31.60238	0.980438	0.841313	16.77244	-917.237
9103_9103	9103	9103	-2829.07	-31.5971	3.870563	2.206313	-16.7724	917.2354
9103_9104	9103	9104	2829.371	56.007	-3.87056	-2.20631	-6.46144	-1182.9
9104_9104	9104	9104	-2829.39	-75.6276	-7.623	-2.86388	6.461438	1182.91
9104_9105	9104	9105	2827.922	108.1329	7.623	2.863875	54.47663	-1913.6
9105_9105	9105	9105	-2827.93	-108.126	-3.87056	0.83475	-54.4766	1913.596
9105_9106	9105	9106	2823.66	140.6711	3.870563	-0.83475	85.45556	-2894.26
9106_9106	9106	9106	-2823.66	-140.663	-3.9795	0.690375	-85.4556	2894.255
9106_9107	9106	9107	2816.599	173.1673	3.9795	-0.69038	117.2693	-4122.46
9107_9107	9107	9107	-2816.56	-196.265	12.13144	-4.2735	-117.269	4122.509
9107_9108	9107	9108	2807.069	227.7909	-12.1314	4.2735	23.21025	-5730.54
9108_9108	9108	9108	-2807.07	-227.784	12.13144	-4.2735	-23.2103	5730.538
9108_9109	9108	9109	2794.946	259.3106	-12.1314	4.2735	-70.8501	-7572.45
9109_9109	9109	9109	-2794.76	-259.241	15.14625	4.280063	71.02594	7571.585
9109_9110	9109	9110	2775.667	298.8261	-15.1463	-4.28006	-214.967	-10251.3
9110_9110	9110	9110	192.5923	671.0708	-1.96481	-22.6971	22.44506	35453.08
9110_9111	9110	9111	-162.77	-611.39	1.964813	22.6275	2.285063	-27484.9
9111_9111	9111	9111	145.6704	610.9622	-1.82044	23.91375	-7.05863	27482.21
9111_9112	9111	9112	-112.396	-554.349	1.820438	-23.9754	29.90925	-20450.4
9112_9112	9112	9112	95.49094	533.1572	2.128875	-2.30213	-27.5743	20449.14
9112_9113	9112	9113	-55.5358	-475.676	-2.12888	2.344125	-0.66675	-13911.9
9113_9113	9113	9113	562.9404	472.2218	1.190438	5.742188	2.95575	11030.66
9113_9114	9113	9114	-542.744	-425.057	-1.19044	-5.74875	-16.9562	-5887.62
9114_9114	9114	9114	533.5824	403.1278	-0.16538	1.320375	17.11106	5888.706

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9114_9115	9114	9115	-499.081	-370.453	0.165375	-1.32038	-15.7474	-2839.42
9115_9115	9115	9115	563.3539	372.498	-0.147	0.8505	15.22894	2294.715
9115_9116	9115	9116	-482.594	-320.803	0.147	-0.8505	-13.209	2301.109
9116_9116	9116	9116	482.5984	296.7707	-0.29138	9.058875	13.209	-2301.13
9116_9117	9116	9117	-421.985	-254.692	0.291375	-9.05888	-9.95138	5102.969
9117_9117	9117	9117	421.9845	254.7103	-0.13256	-7.6755	9.951375	-5102.96
9117_9118	9117	9118	-367.644	-212.595	0.132563	7.6755	-8.463	7464.134
9118_9118	9118	9118	367.6444	188.0537	-0.57488	11.48044	8.463	-7464.14
9118_9119	9118	9119	-316.309	-145.976	0.574875	-11.4804	-2.04881	9092.131
9119_9119	9119	9119	316.3086	145.9946	-0.41606	-10.563	2.048813	-9092.13
9119_9120	9119	9120	-271.254	-103.88	0.416063	10.563	2.59875	10278.47
9120_9120	9120	9120	271.2531	78.74213	-0.03281	10.836	-2.59875	-10278.5
9120_9121	9120	9121	-225.838	-33.537	0.032813	-10.836	2.995125	10739.71
9121_9121	9121	9121	225.8379	33.558	0.114188	-10.7966	-2.99513	-10739.7
9121_9122	9121	9122	-187.685	11.68388	-0.11419	10.79663	1.62225	10689.99
9122_9122	9122	9122	187.6862	-36.9758	-0.30581	14.63175	-1.62225	-10690
9122_9123	9122	9123	-154.514	79.08863	0.305813	-14.6318	5.04	9883.323
9123_9123	9123	9123	154.5128	-79.0703	-0.06956	-15.3799	-5.04	-9883.32
9123_9124	9123	9124	-127.67	121.1818	0.069563	15.37988	5.823563	8633.483
9124_9124	9124	9124	127.6695	-149.132	-0.37538	5.839313	-5.82356	-8633.49
9124_9125	9124	9125	-107.762	191.205	0.375375	-5.83931	10.01831	6632.632
9125_9125	9125	9125	107.7602	-191.185	-0.21788	-7.15575	-10.0183	-6632.63
9125_9126	9125	9126	-94.1588	233.2969	0.217875	7.15575	12.45169	4187.029
9126_9126	9126	9126	94.15744	-255.057	0.777	-0.19425	-12.4517	-4187.02
9126_9127	9126	9127	-81.8514	305.5356	-0.777	0.19425	2.039625	382.7941
9127_9127	9127	9127	86.57775	-304.185	0.863625	-1.03819	-2.49638	-363.691
9127_9128	9127	9128	-83.1233	334.5917	-0.86363	1.046063	-4.62525	-2459.45
9128_9128	9128	9128	91.09669	-354.635	-4.18556	-6.15563	4.444125	2460.481
9128_9129	9128	9129	-91.0599	398.4579	4.185563	6.122813	44.7615	-7191.99
9129_9129	9129	9129	93.25444	-395.246	-6.54413	9.489375	-50.0246	7245.083
9129_9130	9129	9130	-108.369	451.4423	6.544125	-9.43031	136.9056	-12806.1
9130_9130	9130	9130	124.8936	-496.007	12.285	-7.65713	-138.46	12809.15
9130_9131	9130	9131	-156.269	551.3734	-12.285	7.535063	-15.7211	-19447.8
9131_9131	9131	9131	171.234	-546.742	12.35981	8.044313	17.38406	19452.19
9131_9132	9131	9132	-198.602	605.2318	-12.3598	-8.18081	-173.083	-26779.6
9132_9132	9132	9132	-2197.4	274.8428	4.545188	3.098813	-33.8428	7127.668
9132_9133	9132	9133	2228.066	-236.275	-4.54519	-3.09881	-9.33056	-4617.3
9133_9133	9133	9133	-2231.78	236.1581	1.313813	-3.47025	10.28869	4635.347
9133_9134	9133	9134	2255.033	-206.959	-1.31381	3.47025	-20.4671	-3013.6
9134_9134	9134	9134	-2255.02	206.9708	4.475625	1.047375	20.46713	3013.602
9134_9135	9134	9135	2275.267	-177.772	-4.47563	-1.04738	-55.1486	-1606.09
9135_9135	9135	9135	-2275.28	152.8367	0.48825	-1.20619	55.14863	1606.087
9135_9136	9135	9136	2292.422	-122.696	-0.48825	1.206188	-59.0507	-575.078
9136_9136	9136	9136	-2292.42	122.7083	3.550313	0.515813	59.05069	575.0784
9136_9137	9136	9137	2306.362	-92.568	-3.55031	-0.51581	-87.4571	227.6518
9137_9137	9137	9137	-2306.36	92.57981	3.550313	0.515813	87.45713	-227.652
9137_9138	9137	9138	2317.101	-62.4383	-3.55031	-0.51581	-115.864	802.1068
9138_9138	9138	9138	-2317.1	40.53131	-6.04931	-0.28613	115.8636	-802.113
9138_9139	9138	9139	2323.668	-17.9248	6.049313	0.286125	-79.5664	949.1974
9139_9139	9139	9139	-2323.67	17.934	-1.96481	-0.00788	79.56638	-949.199
9139_9140	9139	9140	2328.443	4.671188	1.964813	0.007875	-67.7736	967.8769
9140_9140	9140	9140	-2328.44	-4.66331	-1.96481	-0.00788	67.77356	-967.877
9140_9141	9140	9141	2331.41	27.2685	1.964813	0.007875	-55.9808	858.1493
9141_9141	9141	9141	-2331.4	-27.2593	-6.04931	-0.62869	55.98075	-858.149
9141_9142	9141	9142	2332.568	49.8645	6.049313	0.628688	-19.6836	620.0158
9142_9142	9142	9142	-2332.58	-75.8389	-2.11575	-0.15488	19.68356	-620.009
9142_9143	9142	9143	2329.008	105.9791	2.11575	0.154875	-2.75494	-95.8427
9143_9143	9143	9143	-2329	-105.967	-5.17913	-1.89263	2.754938	95.84269

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9143_9144	9143	9144	2322.231	136.1076	5.179125	1.892625	38.67675	-1039.97
9144_9144	9144	9144	-2322.24	-136.096	-2.11575	1.030313	-38.6768	1039.97
9144_9145	9144	9145	2312.261	166.2373	2.11575	-1.03031	55.60538	-2212.37
9145_9145	9145	9145	-2312.26	-187.707	2.799563	1.072313	-55.6054	2212.372
9145_9146	9145	9146	2299.584	216.9064	-2.79956	-1.07231	33.9045	-3732.48
9146_9146	9146	9146	-2299.58	-216.895	-0.36225	-5.35631	-33.9045	3732.478
9146_9147	9146	9147	2283.904	246.0938	0.36225	5.356313	36.70931	-5466.82
9147_9147	9147	9147	-2272.92	-246.184	2.781188	3.198563	-36.792	5413.261
9147_9148	9147	9148	2250.258	284.7495	-2.78119	-3.19856	10.37531	-7847.79
9148_9148	9148	9148	145.6179	551.4626	0.290063	0.312375	-27.2436	26966.14
9148_9149	9148	9149	-111.101	-493.239	-0.29006	-0.36488	23.59875	-20558
9149_9149	9149	9149	97.57388	497.1514	0.290063	1.010625	-23.5791	20554.83
9149_9150	9149	9150	-57.8891	-442.026	-0.29006	-1.05788	19.94475	-14816.5
9150_9150	9150	9150	44.46356	427.2069	-0.93188	0.307125	-19.8279	14814.42
9150_9151	9150	9151	-0.64575	-371.21	0.931875	-0.29531	32.18906	-9657.61
9151_9151	9151	9151	629.3897	365.3633	0.224438	0.858375	-18.3383	6223.202
9151_9152	9151	9152	-606.456	-320.873	-0.22444	-0.82688	15.69225	-2383.86
9152_9152	9152	9152	599.5841	302.2819	0.510563	-2.31656	-15.6384	2384.508
9152_9153	9152	9153	-559.772	-271.509	-0.51056	2.312625	11.424	-206.631
9153_9153	9153	9153	594.3328	274.0592	0.412125	1.492313	-11.2101	23.78906
9153_9154	9153	9154	-507.161	-224.121	-0.41213	-1.49231	5.550563	3032.449
9154_9154	9154	9154	507.1658	200.5434	-0.09319	4.130438	-5.55056	-3032.48
9154_9155	9154	9155	-442.681	-160.594	0.093188	-4.13044	6.571688	4744.678
9155_9155	9155	9155	442.6813	160.6198	-0.00263	-3.70781	-6.57169	-4744.68
9155_9156	9155	9156	-384.905	-120.67	0.002625	3.707813	6.603188	6044.364
9156_9156	9156	9156	384.9064	97.06069	0.09975	4.784063	-6.60319	-6044.37
9156_9157	9156	9157	-335.146	-60.7425	-0.09975	-4.78406	5.609625	6619.262
9157_9157	9157	9157	335.1456	60.76613	0.198188	-4.68563	-5.60963	-6619.26
9157_9158	9157	9158	-290.929	-24.4479	-0.19819	4.685625	3.626438	6853.231
9158_9158	9158	9158	290.9288	1.638	0.013125	4.12125	-3.62644	-6853.23
9158_9159	9158	9159	-249.095	34.68019	-0.01313	-4.12125	3.493875	6505.236
9159_9159	9159	9159	249.0954	-34.6553	0.111563	-4.33913	-3.49388	-6505.24
9159_9160	9159	9160	-212.805	70.97344	-0.11156	4.339125	2.373	5816.32
9160_9160	9160	9160	212.8022	-94.0866	0.238875	-0.25988	-2.373	-5816.31
9160_9161	9160	9161	-175.875	134.001	-0.23888	0.259875	-0.25594	4397.845
9161_9161	9161	9161	175.875	-138.336	0.238875	-0.26381	0.255938	-4397.84
9161_9162	9161	9162	-150.583	178.2874	-0.23888	0.263813	-2.8875	2537.498
9162_9162	9162	9162	150.5779	-199.495	-0.04988	-0.22313	2.8875	-2537.47
9162_9163	9162	9163	-124.312	249.4328	0.049875	0.223125	-2.20106	-683.427
9163_9163	9163	9163	128.6985	-247.837	-0.15225	-0.69038	2.371688	676.534
9163_9164	9163	9164	-118.424	278.6477	0.15225	0.695625	-1.11956	-2928.59
9164_9164	9164	9164	125.1613	-297.021	0.333375	1.828313	1.19175	2929.659
9164_9165	9164	9165	-115.731	341.3904	-0.33338	-1.83619	-5.1135	-6795.04
9165_9165	9165	9165	110.5768	-337.466	-1.16288	-3.89944	13.68938	6877.316
9165_9166	9165	9166	-116.189	393.2736	1.162875	3.946688	1.749563	-11808.1
9166_9166	9166	9166	129.0804	-409.172	0.654938	-7.69388	-2.20238	11811.27
9166_9167	9166	9167	-141.88	464.0777	-0.65494	7.634813	-6.0165	-17347.4
9167_9167	9167	9167	154.6834	-458.946	0.737625	7.115063	7.550813	17352.03
9167_9168	9167	9168	-172.081	516.8625	-0.73763	-7.182	-16.8446	-23294.7
9168_9168	9168	9168	-1979.26	286.7235	-3.22481	-1.35056	48.41288	6794.55
9168_9169	9168	9169	2013.266	-248.416	3.224813	1.350563	-17.7765	-4390.61
9169_9169	9169	9169	-2018.79	248.3355	-0.90694	3.535875	19.26356	4417.532
9169_9170	9169	9170	2044.216	-219.042	0.906938	-3.53588	-12.2364	-2710.06
9170_9170	9170	9170	-2044.22	219.0589	-3.89156	-0.62081	12.23644	2710.062
9170_9171	9170	9171	2066.5	-189.765	3.891563	0.620813	17.92744	-1216.99
9171_9171	9171	9171	-2066.5	166.8949	1.920188	0.921375	-17.9274	1216.993
9171_9172	9171	9172	2085.942	-136.656	-1.92019	-0.92138	2.564625	-82.6665
9172_9172	9172	9172	-2085.94	136.6733	-0.97125	-0.20869	-2.56463	82.6665

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9172_9173	9172	9173	2102.036	-106.435	0.97125	0.208688	10.33725	823.2026
9173_9173	9173	9173	-2102.03	106.4516	1.920188	-0.04988	-10.3373	-823.201
9173_9174	9173	9174	2114.779	-76.2129	-1.92019	0.049875	-5.02556	1500.61
9174_9174	9174	9174	-2114.78	54.08681	1.124813	-0.23888	5.025563	-1500.62
9174_9175	9174	9175	2122.765	-31.4068	-1.12481	0.238875	-11.7784	1723.397
9175_9175	9175	9175	-2122.76	31.42125	-2.73	0.7455	11.77838	-1723.4
9175_9176	9175	9176	2128.868	-8.74125	2.73	-0.7455	4.60425	1817.663
9176_9176	9176	9176	-2128.87	8.754375	1.124813	-0.29138	-4.60425	-1817.66
9176_9177	9176	9177	2133.091	13.92431	-1.12481	0.291375	-2.14856	1783.424
9177_9177	9177	9177	-2133.09	-13.9112	1.124813	-0.29138	2.148563	-1783.42
9177_9178	9177	9178	2135.427	36.59119	-1.12481	0.291375	-8.90138	1620.674
9178_9178	9178	9178	-2135.43	-58.6845	-2.47406	-0.01444	8.901375	-1620.66
9178_9179	9178	9179	2136.432	88.92319	2.474063	0.014438	10.88719	1023.632
9179_9179	9179	9179	-2136.43	-88.9061	0.418688	0.371438	-10.8872	-1023.63
9179_9180	9179	9180	2134.088	119.1448	-0.41869	-0.37144	7.541625	198.1442
9180_9180	9180	9180	-2134.09	-119.126	-2.47406	-1.07756	-7.54163	-198.144
9180_9181	9180	9181	2128.393	149.3664	2.474063	1.077563	27.33019	-855.805
9181_9181	9181	9181	-2128.39	-171.737	4.234125	1.326938	-27.3302	855.8025
9181_9182	9181	9182	2119.593	201.0304	-4.23413	-1.32694	-5.48231	-2267.81
9182_9182	9182	9182	-2119.59	-205.4	4.234125	1.326938	5.482313	2267.811
9182_9183	9182	9183	2104.346	234.6947	-4.23413	-1.32694	-38.2948	-3915.09
9183_9183	9183	9183	-2091.53	-234.735	1.725938	-4.22363	37.60444	3852.569
9183_9184	9183	9184	2068.827	273.0394	-1.72594	4.223625	-54.0054	-6300.55
9184_9184	9184	9184	128.3533	525.2048	-1.20225	-7.47994	7.315875	22927.24
9184_9185	9184	9185	-84.6983	-467.595	1.20225	7.419563	7.826438	-16872.6
9185_9185	9185	9185	71.80425	472.7874	-1.11563	8.348813	-9.43294	16868.72
9185_9186	9185	9186	-23.9663	-418.254	1.115625	-8.40394	23.43075	-11362.3
9186_9186	9186	9186	11.067	403.3155	1.573688	0.578813	-22.659	11359.88
9186_9187	9186	9187	37.93913	-347.862	-1.57369	-0.53025	1.7745	-6543.59
9187_9187	9187	9187	554.7452	344.1362	0.202125	0.883313	-8.13225	3045.995
9187_9188	9187	9188	-531.627	-298.923	-0.20213	-0.88463	5.754	849.0159
9188_9188	9188	9188	525.1811	278.8971	0.223125	-2.95575	-5.69231	-847.943
9188_9189	9188	9189	-489.089	-247.576	-0.22313	2.961	3.850875	2787.121
9189_9189	9189	9189	508.284	250.4631	0.169313	3.001688	-4.02281	-2794.72
9189_9190	9189	9190	-434.095	-197.695	-0.16931	-3.00169	1.689188	5570.159
9190_9190	9190	9190	434.1002	173.3498	-0.0105	-4.60819	-1.68919	-5570.19
9190_9191	9190	9191	-379.701	-131.136	0.0105	4.608188	1.808625	7019.131
9191_9191	9191	9191	379.6997	131.1634	-0.09844	5.418	-1.80863	-7019.13
9191_9192	9191	9192	-331.888	-88.9494	0.098438	-5.418	2.89275	8029.214
9192_9192	9192	9192	331.8906	64.19831	-0.01838	5.747438	-2.89275	-8029.22
9192_9193	9192	9193	-291.661	-26.0138	0.018375	-5.74744	3.072563	8308.016
9193_9193	9193	9193	291.6611	26.03869	0.07875	-5.52563	-3.07256	-8308.02
9193_9194	9193	9194	-256.823	12.14588	-0.07875	5.525625	2.289	8227.73
9194_9194	9194	9194	256.8248	-36.4862	-0.00525	4.62525	-2.289	-8227.73
9194_9195	9194	9195	-224.72	74.67075	0.00525	-4.62525	2.342813	7535.641
9195_9195	9195	9195	224.7197	-74.6458	0.091875	-4.90875	-2.34281	-7535.64
9195_9196	9195	9196	-198.029	112.7923	-0.09188	4.90875	1.434563	6485.711
9196_9196	9196	9196	198.0248	-137.931	0.08925	2.155125	-1.43456	-6485.7
9196_9197	9196	9197	-172.066	180.1446	-0.08925	-2.15513	0.4515	4618.895
9197_9197	9197	9197	172.0648	-180.117	0.177188	-2.98988	-0.4515	-4618.89
9197_9198	9197	9198	-152.694	222.3309	-0.17719	2.989875	-1.49363	2313.231
9198_9198	9198	9198	152.6779	-250.823	0.034125	-0.87938	1.493625	-2313.18
9198_9199	9198	9199	-140.663	303.6285	-0.03413	0.879375	-1.95956	-1617.43
9199_9199	9199	9199	143.4654	-301.704	0.127313	0.286125	2.107875	1580.291
9199_9200	9199	9200	-140.504	334.2084	-0.12731	-0.27694	-3.15656	-4313.8
9200_9200	9200	9200	148.6551	-355.31	-1.27444	-1.05394	3.122438	4315.255
9200_9201	9200	9201	-149.487	402.0857	1.274438	1.010625	11.865	-8936.15
9201_9201	9201	9201	153.0428	-396.929	-3.97031	-0.57356	-1.45688	8985.439

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9201_9202	9201	9202	-169.901	457.1582	3.970313	0.641813	54.16031	-14651.8
9202_9202	9202	9202	185.0153	-476.97	3.458438	6.863063	-53.6183	14656.02
9202_9203	9202	9203	-203.945	536.0604	-3.45844	-6.92344	10.20338	-20885.5
9203_9203	9203	9203	218.6691	-529.758	3.377063	-10.6995	-12.1275	20891.45
9203_9204	9203	9204	-238.664	591.8666	-3.37706	10.63256	-30.3831	-27954.6
9204_9204	9204	9204	-2362.58	311.073	-16.3367	-4.04644	317.3271	8222.828
9204_9205	9204	9205	2394.063	-269.601	16.33669	4.046438	-162.133	-5514.34
9205_9205	9205	9205	-2395.25	269.5481	-13.5529	3.930938	163.7698	5226.491
9205_9206	9205	9206	2418.42	-237.669	13.55288	-3.93094	-58.737	-3355.05
9206_9206	9206	9206	-2418.42	237.6859	-13.5529	3.930938	58.737	3355.055
9206_9207	9206	9207	2438.59	-205.807	13.55288	-3.93094	46.2945	-1718.61
9207_9207	9207	9207	-2438.64	179.9503	-4.09631	-0.924	-46.2945	1718.603
9207_9208	9207	9208	2456.164	-147.043	4.096313	0.924	79.06631	-482.247
9208_9208	9208	9208	-2456.17	147.0617	-0.70088	0.966	-79.0663	482.2466
9208_9209	9208	9209	2470.487	-114.153	0.700875	-0.966	84.66806	503.7178
9209_9209	9209	9209	-2470.48	114.1718	2.695875	1.787625	-84.6681	-503.72
9209_9210	9209	9210	2481.603	-81.2648	-2.69588	-1.78763	63.10106	1239.293
9210_9210	9210	9210	-2481.56	58.02169	-6.89063	0.58275	-63.1011	-1239.3
9210_9211	9210	9211	2488.26	-33.3414	6.890625	-0.58275	104.4461	1485.285
9211_9211	9211	9211	-2488.27	33.35456	-2.3625	0.347813	-104.446	-1485.29
9211_9212	9211	9212	2493.166	-8.673	2.3625	-0.34781	118.6224	1590.423
9212_9212	9212	9212	-2493.17	8.687438	2.165625	0.042	-118.622	-1590.43
9212_9213	9212	9213	2496.263	15.99413	-2.16563	-0.042	105.63	1554.71
9213_9213	9213	9213	-2496.26	-15.981	6.69375	-0.11944	-105.63	-1554.71
9213_9214	9213	9214	2497.552	40.66256	-6.69375	0.119438	65.4675	1378.141
9214_9214	9214	9214	-2497.64	-63.5106	-8.79638	-3.06075	-65.4675	-1378.13
9214_9215	9214	9215	2497.207	96.37819	8.796375	3.06075	135.7571	739.0898
9215_9215	9215	9215	-2497.22	-96.3611	-2.03963	-1.07231	-135.757	-739.091
9215_9216	9215	9216	2493.589	129.2708	2.039625	1.072313	152.0702	-151.041
9216_9216	9216	9216	-2493.58	-129.252	4.752563	3.2025	-152.07	151.0386
9216_9217	9216	9217	2486.749	162.1633	-4.75256	-3.2025	114.0471	-1291.64
9217_9217	9217	9217	-2486.69	-188.278	14.67506	-14.3745	-114.047	1291.801
9217_9218	9217	9218	2476.982	220.1627	-14.6751	14.3745	0.296625	-2838.09
9218_9218	9218	9218	-2476.91	-220.144	25.1895	2.584313	-0.29663	2838.094
9218_9219	9218	9219	2464.191	252.0302	-25.1895	-2.58431	-194.959	-4619.57
9219_9219	9219	9219	-2456.84	-256.47	26.29069	8.292375	195.0401	4885.225
9219_9220	9219	9220	2433.477	297.948	-26.2907	-8.29238	-444.859	-7425.78
9220_9220	9220	9220	223.9217	581.511	-4.00575	-35.8404	31.01831	26857.78
9220_9221	9220	9221	-187.668	-519.736	4.00575	35.79188	19.38038	-20065.7
9221_9221	9221	9221	173.2251	526.7273	-3.76163	39.01144	-27.0979	20060.96
9221_9222	9221	9222	-133.664	-467.955	3.761625	-39.0548	74.33213	-14080.7
9222_9222	9222	9222	118.755	443.6946	6.051938	-1.12088	-70.5784	14079.54
9222_9223	9222	9223	-78.2801	-383.796	-6.05194	1.169438	-9.73744	-8643.3
9223_9223	9223	9223	632.2391	381.8076	2.796938	3.71175	-34.0699	5511.897
9223_9224	9223	9224	-608.377	-334.244	-2.79694	-3.76819	1.195688	-1490.17
9224_9224	9224	9224	600.8769	309.9705	0.602438	11.51194	-1.19963	1492.273
9224_9225	9224	9225	-565.639	-276.953	-0.60244	-11.4988	-3.77869	816.5627
9225_9225	9225	9225	531.2409	280.8212	0.8295	-7.57706	4.794563	-585.752
9225_9226	9225	9226	-462.404	-220.978	-0.8295	7.577063	-16.8105	3926.828
9226_9226	9226	9226	462.4791	194.418	0.371438	12.52256	16.8105	-3927.27
9226_9227	9226	9227	-415.992	-147.431	-0.37144	-12.5226	-21.0276	5671.932
9227_9227	9227	9227	415.9929	147.4581	0.581438	-11.4266	21.02756	-5671.93
9227_9228	9227	9228	-376.075	-100.464	-0.58144	11.42663	-27.6347	6908.79
9228_9228	9228	9228	376.0759	76.29563	0.147	12.6945	27.63469	-6909.04
9228_9229	9228	9229	-341.712	-29.3331	-0.147	-12.6945	-29.3081	7358.783
9229_9229	9229	9229	341.7107	29.36063	0.357	-13.3284	29.30813	-7358.78
9229_9230	9229	9230	-313.908	17.60981	-0.357	13.32844	-33.3703	7301.091
9230_9230	9230	9230	313.8529	-42.6234	3.381	13.34813	33.37031	-7300.77

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9230_9231	9230	9231	-290.494	92.37638	-3.381	-13.3481	-74.0841	6380.633
9231_9231	9231	9231	290.5206	-92.3501	3.56475	-5.40488	74.08406	-6380.69
9231_9232	9231	9232	-277.9	129.4427	-3.56475	5.404875	-106.088	5483.899
9232_9232	9232	9232	281.988	-128.069	4.538625	-32.6957	120.1541	-5500.11
9232_9233	9232	9233	-278.1	141.015	-4.53863	32.70619	-134.118	5004.733
9233_9233	9233	9233	280.7162	-166.273	-9.34763	4.721063	134.3948	-5004.05
9233_9234	9233	9234	-269.137	206.577	9.347625	-4.90744	-45.2918	3129.437
9234_9234	9234	9234	272.9331	-202.013	-9.14025	-7.50356	44.95706	-3128.37
9234_9235	9234	9235	-264.441	233.5712	9.14025	7.226625	22.60388	1420.55
9235_9235	9235	9235	261.3463	-229.964	-10.5171	-13.7813	-30.2807	-1383.41
9235_9236	9235	9236	-258.792	261.1009	10.51706	13.42819	95.82956	-188.047
9236_9236	9236	9236	264.6394	-282.697	15.67256	-7.47206	-95.7587	190.2206
9236_9237	9236	9237	-264.633	332.9196	-15.6726	8.493188	-58.8473	-3286.33
9237_9237	9237	9237	208.1979	-328.863	15.87338	3.0345	135.3069	3699.459
9237_9238	9237	9238	-219.94	378.1982	-15.8734	-1.7745	-284.012	-7043.72
9238_9238	9238	9238	232.3729	-402.899	-10.3635	-16.2225	282.618	7046.174
9238_9239	9238	9239	-244.472	451.6693	10.3635	15.582	-189.494	-10813.5
9239_9239	9239	9239	250.6954	-447.734	-10.2165	8.20575	192.5818	10817.39
9239_9240	9239	9240	-256.463	469.6283	10.2165	-8.49975	-152.333	-12621.7
9240_9240	9240	9240	-1735.72	377.2558	17.29088	16.08863	851.6786	3266.994
9240_9241	9240	9241	1750.181	-346.148	-17.2909	-16.0886	-961.15	-1035.5
9241_9241	9241	9241	-1747.7	290.5613	-42.1759	-0.75206	961.1503	1035.611
9241_9242	9241	9242	1755.554	-275.032	42.17588	0.752063	-827.846	-173.653
9242_9242	9242	9242	-1752.89	275.0239	-38.3263	0.946313	830.1759	160.461
9242_9243	9242	9243	1779.851	-215.159	38.32631	-0.94631	-356.701	2757.485
9243_9243	9243	9243	-1779.93	215.1818	-32.8952	-3.61594	356.7008	-2757.53
9243_9244	9243	9244	1795.336	-171.647	32.89519	3.615938	-61.1704	4431.931
9244_9244	9244	9244	-1794.87	144.1926	-39.0876	8.611313	61.17038	-4431.14
9244_9245	9244	9245	1811.56	-93.5419	39.08756	-8.61131	347.3873	5604.741
9245_9245	9245	9245	-1811.65	93.56288	-33.3887	-3.16838	-347.387	-5604.76
9245_9246	9245	9246	1822.358	-49.1282	33.38869	3.168375	653.5397	6214.243
9246_9246	9246	9246	-1822.91	28.70175	-12.5711	9.041813	-653.54	-6213.2
9246_9247	9246	9247	1831.124	22.41488	12.57113	-9.04181	786.1494	6211.266
9247_9247	9247	9247	-1831.15	-22.3939	-5.72775	-6.30788	-786.149	-6211.29
9247_9248	9247	9248	1834.317	66.41644	5.72775	6.307875	838.1901	5793.185
9248_9248	9248	9248	-1834.39	-88.4218	1.386	4.16325	-838.19	-5792.55
9248_9249	9248	9249	1834.505	134.4026	-1.386	-4.16325	825.0349	4732.739
9249_9249	9249	9249	-1834.5	-134.383	6.405	-3.16313	-825.035	-4732.74
9249_9250	9249	9250	1830.262	183.4928	-6.405	3.163125	760.1213	3136.459
9250_9250	9250	9250	-1830.42	-204.959	25.76438	-2.30869	-760.121	-3136.23
9250_9251	9250	9251	1822.597	252.8216	-25.7644	2.308688	505.6446	904.2679
9251_9251	9251	9251	-1822.53	-252.801	30.79388	-0.18769	-505.645	-904.268
9251_9252	9251	9252	1810.615	300.0428	-30.7939	0.187688	205.4378	-1745.46
9252_9252	9252	9252	-1810.15	-336.268	4.11075	-80.6334	-205.438	1744.155
9252_9253	9252	9253	1806.038	351.5781	-4.11075	80.63344	192.4519	-2815.12
9253_9253	9253	9253	-1803.02	-351.56	7.90125	-72.1468	-192.695	2800.707
9253_9254	9253	9254	1787.953	398.2309	-7.90125	72.14681	117.6236	-6367.62
9254_9254	9254	9254	222.7391	441.3242	-35.9927	86.1315	137.5763	16303.45
9254_9255	9254	9255	-191.641	-376.311	35.99269	-86.5043	291.5811	-11571.3
9255_9255	9255	9255	176.82	328.9007	28.31194	-17.598	-279.062	11564.89
9255_9256	9255	9256	-148.511	-272.875	-28.3119	17.74238	-23.3743	-8429.29
9256_9256	9256	9256	142.0663	278.754	28.53375	22.21013	20.1705	8426.302
9256_9257	9256	9257	-114.799	-222.662	-28.5338	-22.0881	-334.313	-5634.81
9257_9257	9257	9257	109.4573	194.6923	-12.5606	-9.89888	335.9856	5633.173
9257_9258	9257	9258	-98.3378	-170.622	12.56063	9.892313	-275.642	-4795.94
9258_9258	9258	9258	39.99581	175.0219	-12.5016	-2.4255	275.8744	5101.428
9258_9259	9258	9259	-20.3149	-131.707	12.50156	2.417625	-149.508	-3519.23
9259_9259	9259	9259	17.83425	135.0077	-12.3375	12.39131	149.1669	3518.339

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9259_9260	9259	9260	-12.1118	-106.324	12.3375	-12.3939	-66.171	-2676.77
9260_9260	9260	9260	512.2123	79.30781	-0.44363	23.45831	8.695313	140.7765
9260_9261	9260	9261	-522.107	-65.5069	0.443625	-23.4544	-7.29094	138.3047
9261_9261	9261	9261	543.8672	67.45856	0.170625	7.3815	3.854813	-383.855
9261_9262	9261	9262	-580.935	-18.2595	-0.17063	-7.3815	-5.81438	1056.998
9262_9262	9262	9262	580.9335	18.28838	0.618188	-12.3769	5.814375	-1057
9262_9263	9262	9263	-618.394	24.08569	-0.61819	12.37688	-11.9109	1208.429
9263_9263	9263	9263	618.4382	-57.4416	1.262625	6.39975	11.91094	-1208.41
9263_9264	9263	9264	-671.021	107.8599	-1.26263	-6.39975	-26.7343	487.1147
9264_9264	9264	9264	671.0222	-107.828	1.51725	-6.27375	26.73431	-487.111
9264_9265	9264	9265	-728.531	156.3936	-1.51725	6.27375	-43.9058	-738.332
9265_9265	9265	9265	728.5884	-185.812	0.941063	3.484688	43.90575	738.5674
9265_9266	9265	9266	-795.798	236.3209	-0.94106	-3.48469	-54.978	-2909.91
9266_9266	9266	9266	795.7989	-236.289	1.182563	-5.41406	54.978	2909.918
9266_9267	9266	9267	-867.156	284.7705	-1.18256	5.414063	-68.3314	-5523.88
9267_9267	9267	9267	867.3131	-316.374	2.342813	-1.15894	68.33138	5524.952
9267_9268	9267	9268	-913.616	345.0851	-2.34281	1.158938	-83.9961	-7524.56
9268_9268	9268	9268	913.6181	-345.067	2.421563	-2.27981	83.99606	7524.572
9268_9269	9268	9269	-962.577	373.9523	-2.42156	2.279813	-100.293	-10206.1
9269_9269	9269	9269	872.6799	-368.852	2.586938	-4.10944	94.83994	10941.22
9269_9270	9269	9270	-912.349	413.3233	-2.58694	4.101563	-119.772	-14677.8
9270_9270	9270	9270	921.9971	-435.081	-3.89156	-15.3418	119.3089	14679.34
9270_9271	9270	9271	-922.386	483.7481	3.891563	15.36281	-78.9219	-19556.8
9271_9271	9271	9271	801.1093	-478.261	-3.60281	-3.4755	69.76725	20364.36
9271_9272	9271	9272	-782.881	521.7936	3.602813	3.4965	-40.3764	-24142.5
9272_9272	9272	9272	790.1394	-516.345	-3.31144	27.32231	42.54206	24141.83
9272_9273	9272	9273	-772.804	544.425	3.311438	-27.3118	-25.4494	-26694.2
9273_9273	9273	9273	786.1468	-574.5	6.099188	-50.3987	19.06669	26698.2
9273_9274	9273	9274	-739.959	641.3308	-6.09919	49.82119	-91.9314	-34104.4
9274_9274	9274	9274	757.4569	-635.674	6.559875	30.01163	100.1175	34104.79
9274_9275	9274	9275	-707.679	712.6193	-6.55988	-30.7729	-186.42	-42308.8
9275_9275	9275	9275	-2645.25	454.8075	-66.045	-4.55831	1402.916	13834.83
9275_9276	9275	9276	2702.482	-429.766	66.045	4.558313	-1080.43	-11916
9276_9276	9276	9276	-2702.56	429.7768	-62.9003	2.00025	1080.432	11916.01
9276_9277	9276	9277	2755.751	-406.085	62.90025	-2.00025	-789.843	-10209.3
9277_9277	9277	9277	-2713.99	405.9208	-58.212	4.780125	789.3546	10248.48
9277_9278	9277	9278	2824.399	-361.616	58.212	-4.78013	-253.116	-7191.28
9278_9278	9278	9278	-3210.24	347.4555	-35.3666	-14.6173	325.5761	9063.88
9278_9279	9278	9279	3233.172	-293.22	35.36663	14.61731	74.36494	-5535.2
9279_9279	9279	9279	-3233.28	293.2466	-20.7283	12.77719	-74.3649	5535.181
9279_9280	9279	9280	3250.931	-237.359	20.72831	-12.7772	315.9096	-2516.59
9280_9280	9280	9280	-3251.61	203.0018	-32.0066	-3.7275	-315.91	2517.383
9280_9281	9280	9281	3262.649	-146.844	32.00663	3.7275	690.6716	-514.895
9281_9281	9281	9281	-3262.75	146.8701	-18.2424	3.064688	-690.672	514.8938
9281_9282	9281	9282	3267.696	-89.5952	18.24244	-3.06469	908.5256	875.5215
9282_9282	9282	9282	-3308.91	64.93594	-12.7798	1.0185	-921.362	-687.889
9282_9283	9282	9283	3310.989	-10.0971	12.77981	-1.0185	1079.921	1143.069
9283_9283	9283	9283	-3311	10.122	3.587063	0.821625	-1079.92	-1143.1
9283_9284	9283	9284	3307.753	39.54038	-3.58706	-0.82163	1039.619	988.9438
9284_9284	9284	9284	-3306.1	-89.4495	72.02738	-1.8585	-1039.62	-988.923
9284_9285	9284	9285	3298.252	134.2136	-72.0274	1.8585	310.1634	-113.312
9285_9285	9285	9285	-3298.02	-134.194	82.14281	1.710188	-310.163	113.295
9285_9286	9285	9286	3287.218	175.6479	-82.1428	-1.71019	-460.194	-1524.05
9286_9286	9286	9286	-3287.12	-220.732	-14.4493	-45.7603	460.194	1524.138
9286_9287	9286	9287	3281.867	238.5206	14.44931	45.76031	-402.046	-2427.7
9287_9287	9287	9287	-3278.8	-238.544	-16.4338	-46.4494	403.3273	2125.031
9287_9288	9287	9288	3264.22	283.5538	16.43381	46.44938	-247.236	-4593.96
9288_9288	9288	9288	320.0873	1047.026	-32.235	74.92538	-54.9518	29424.42

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9288_9289	9288	9289	-297.252	-989.528	32.235	-74.7088	400.5816	-18709.8
9289_9289	9289	9289	259.8278	862.5212	25.31156	-16.9273	-389.982	18711.06
9289_9290	9289	9290	-229.643	-801.163	-25.3116	16.83413	88.72106	-8760.96
9290_9290	9290	9290	205.5638	808.1391	25.4835	11.70488	-90.4628	8758.491
9290_9291	9290	9291	-172.804	-750.11	-25.4835	-11.7679	-205.106	318.4571
9291_9291	9291	9291	155.4433	699.1136	-16.7738	13.85606	205.0873	-319.64
9291_9292	9291	9292	-144.288	-678.654	16.77375	-13.8443	-135.503	3278.569
9292_9292	9292	9292	112.7634	681.534	-16.4286	6.4155	134.8817	-3171.87
9292_9293	9292	9293	-90.2357	-646.627	16.42856	-6.40631	-3.255	8902.166
9293_9293	9293	9293	81.78844	648.7898	-16.2908	-5.72775	3.342938	-8902.42
9293_9294	9293	9294	-63.1024	-614.081	16.29075	5.72775	126.7206	14252.84
9294_9294	9294	9294	63.36881	563.5324	-1.37681	50.94075	-126.723	-14254.9
9294_9295	9294	9295	-54.0855	-546.112	1.376813	-50.9408	132.2423	15379.16
9295_9295	9295	9295	82.17825	546.4358	-1.01588	7.750313	-133.597	-15537.5
9295_9296	9295	9296	-63.8978	-496.063	1.015875	-7.75031	143.9458	20761.33
9296_9296	9296	9296	63.90038	496.0778	-0.85575	-35.2958	-143.946	-20761.3
9296_9297	9296	9297	-51.4513	-455.22	0.85575	35.29575	151.0163	24632.9
9297_9297	9297	9297	-79.8525	410.3282	4.518938	45.13294	-104.441	-23896.2
9297_9298	9297	9298	86.56725	-353.75	-4.51894	-45.1329	52.51181	28259.21
9298_9298	9298	9298	-86.5449	353.7686	4.732875	-33.0081	-52.5118	-28259.3
9298_9299	9298	9299	89.08856	-301.193	-4.73288	33.00806	1.962188	31748.43
9299_9299	9299	9299	-89.2159	256.8891	1.21275	58.38	-1.96219	-31752.8
9299_9300	9299	9300	90.55594	-203.717	-1.21275	-58.38	-11.13	34237.73
9300_9300	9300	9300	-90.5559	203.7381	1.416188	-35.8903	11.13	-34237.8
9300_9301	9300	9301	87.42431	-140.692	-1.41619	35.89031	-29.2688	36462.51
9301_9301	9301	9301	-87.4899	93.66394	-0.42656	69.20944	29.26875	-36467.1
9301_9302	9301	9302	82.46044	-35.2879	0.426563	-69.2094	-24.2183	37259.79
9302_9302	9302	9302	-82.4604	35.30756	-0.1785	-57.9088	24.21825	-37259.8
9302_9303	9302	9303	73.14169	22.56581	0.1785	57.90881	-22.113	37383.09
9303_9303	9303	9303	-73.1574	-68.3629	0.742875	53.62219	22.113	-37388.4
9303_9304	9303	9304	61.17431	130.2013	-0.74288	-53.6222	-31.4501	36202.61
9304_9304	9304	9304	-61.1678	-130.182	0.9555	-53.8033	31.45013	-36202.6
9304_9305	9304	9305	46.56356	184.5467	-0.9555	53.80331	-42.0013	34538.02
9305_9305	9305	9305	-46.6003	-229.762	0.489563	61.70325	42.00131	-34542.3
9305_9306	9305	9306	30.30825	284.1641	-0.48956	-61.7033	-47.4049	31783.97
9306_9306	9306	9306	-30.3083	-284.144	0.746813	-53.1208	47.40488	-31784
9306_9307	9306	9307	7.175438	345.9422	-0.74681	53.12081	-56.7761	27943.48
9307_9307	9307	9307	-7.21088	-387.517	0.350438	23.78644	56.77613	-27947
9307_9308	9307	9308	-17.3841	446.0584	-0.35044	-23.7864	-60.942	23111.75
9308_9308	9308	9308	17.38538	-450.584	0.513188	-28.6584	60.942	-23111.7
9308_9309	9308	9309	-48.8762	508.1974	-0.51319	28.65844	-66.9546	17655.04
9309_9309	9309	9309	48.57038	-549.951	-10.2323	8.915813	66.95456	-17656.8
9309_9310	9309	9310	-84.84	608.7506	10.23225	-8.91581	55.25625	10913.44
9310_9310	9310	9310	84.79406	-608.731	-10.0196	-21.3596	-55.2563	-10913.4
9310_9311	9310	9311	-124.475	666.1029	10.01963	21.35963	172.0268	3677.453
9311_9311	9311	9311	126.1142	-702.615	51.85819	-19.9907	-172.027	-3678.99
9311_9312	9311	9312	-139.069	718.9468	-51.8582	19.99069	0	1384.008
9400_9020	9400	9020	3142.503	-315.511	58.35375	1.857188	-525.242	-5199.3
9400_9401	9400	9401	-3143.88	320.7369	-58.3538	-1.85719	286.5424	3898.006
9401_9401	9401	9401	3142.537	-314.475	24.70519	-0.18113	-269.215	-3898.16
9401_9402	9401	9402	-3143.73	318.9309	-24.7052	0.181125	182.9769	2792.664
9402_9402	9402	9402	3150.578	-242.612	18.56794	-1.3125	-184.559	-2792.56
9402_9403	9402	9403	-3154.63	256.4573	-18.5679	1.3125	-18.1663	68.0715
9403_9403	9403	9403	3174.945	-161.708	-1.06969	-0.92663	30.24919	-68.0374
9403_9404	9403	9404	-3177.91	170.7641	1.069688	0.926625	-22.5396	-1130.55
9404_9404	9404	9404	3181.017	-96.7654	-2.95313	-0.77438	22.75088	1130.551
9404_9405	9404	9405	-3184.19	105.7547	2.953125	0.774375	-1.44638	-1860.99
9405_9405	9405	9405	3204.667	4.180313	-1.02638	-0.64969	14.97563	1861.015

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9405_9406	9405	9406	-3211.63	13.54369	1.026375	0.649688	-0.17588	-1928.49
9406_9406	9406	9406	3221.883	98.68556	-1.79681	-0.88594	14.7945	1928.498
9406_9407	9406	9407	-3226.55	-87.9585	1.796813	0.885938	1.116938	-1102.31
9407_9407	9407	9407	3224.062	154.1256	-3.9375	-0.147	-0.80588	1102.307
9407_9408	9407	9408	-3227.28	-147.114	3.9375	0.147	22.68525	-265.242
9408_9408	9408	9408	3196.369	-536.706	-0.90431	-4.51763	-26.3734	265.2628
9408_9409	9408	9409	-3197.29	540.813	0.904313	4.517625	29.1165	-1897.77
9409_9409	9409	9409	3191.829	511.6178	-1.87163	3.027938	-28.7897	1899.522
9409_9410	9409	9410	-3190.91	-507.525	1.871625	-3.02794	34.44394	-360.406
9410_9410	9410	9410	3213.557	-171.974	6.53625	-2.03306	-29.8699	360.4243
9410_9411	9410	9411	-3210.34	178.9843	-6.53625	2.033063	-6.45619	-1335.64
9411_9411	9411	9411	3213.327	-113.409	1.346625	-0.03938	5.488875	1335.649
9411_9412	9411	9412	-3208.66	124.1336	-1.34663	0.039375	-17.409	-2386.91
9412_9412	9412	9412	3195.657	-10.9581	0.694313	-0.72056	2.804813	2386.931
9412_9413	9412	9413	-3188.69	28.69913	-0.69431	0.720563	-12.8166	-2672.91
9413_9413	9413	9413	3165.369	79.34325	2.743125	-1.16156	-0.05381	2672.914
9413_9414	9413	9414	-3162.2	-70.3605	-2.74313	1.161563	-19.719	-2133.27
9414_9414	9414	9414	3159.711	143.8224	0.455438	-0.05119	19.17431	2133.278
9414_9415	9414	9415	-3156.75	-134.774	-0.45544	0.051188	-22.4516	-1129.63
9415_9415	9415	9415	3129.412	229.6954	-10.4829	-1.10381	9.387	1129.65
9415_9416	9415	9416	-3125.36	-215.854	10.48294	1.103813	105.0486	1302.244
9416_9416	9416	9416	3119.075	292.9933	-8.97225	2.139375	-105.217	-1302.23
9416_9417	9416	9417	-3117.89	-288.53	8.97225	-2.13938	136.5814	2318.732
9417_9417	9417	9417	3119.228	295.638	-45.0726	-2.16038	-148.981	-2318.85
9417_9036	9417	9036	-3117.85	-290.405	45.07256	2.160375	333.5522	3589.137
9420_9056	9420	9056	2689.986	-295.282	45.16575	1.84275	-282.836	-5124.9
9420_9421	9420	9421	-2691.21	299.922	-45.1658	-1.84275	97.80356	3905.684
9421_9421	9421	9421	2689.874	-292.274	8.024625	0.786188	-84.3203	-3905.63
9421_9422	9421	9422	-2690.93	296.2194	-8.02463	-0.78619	56.32725	2879.25
9422_9422	9422	9422	2697.264	-231.602	5.9535	-0.13256	-56.9573	-2879.24
9422_9423	9422	9423	-2700.86	243.8743	-5.9535	0.132563	-8.05613	282.9054
9423_9423	9423	9423	2723.582	-162.36	-0.49875	-0.00394	21.35044	-282.895
9423_9424	9423	9424	-2726.2	170.3809	0.49875	0.003938	-17.7542	-916.09
9424_9424	9424	9424	2729.43	-106.887	-2.80481	0.3675	18.02588	916.0843
9424_9425	9424	9425	-2732.24	114.8477	2.804813	-0.3675	2.193188	-1715.48
9425_9425	9425	9425	2749.69	-21.693	-1.28756	0.284813	12.98063	1715.476
9425_9426	9425	9426	-2755.86	37.40231	1.287563	-0.28481	5.571563	-2141.39
9426_9426	9426	9426	2764.318	58.44169	1.038188	-0.30188	9.973688	2141.39
9426_9427	9426	9427	-2768.45	-48.9326	-1.03819	0.301875	-19.1704	-1665.97
9427_9427	9427	9427	2766.875	105.4449	-2.55281	1.431938	20.13638	1665.959
9427_9428	9427	9428	-2769.75	-99.1909	2.552813	-1.43194	-5.943	-1097.07
9428_9428	9428	9428	2735.421	-484.538	4.543875	-0.3675	1.510688	1097.07
9428_9429	9428	9429	-2736.24	488.187	-4.54388	0.3675	-15.2381	-2566.46
9429_9429	9429	9429	2738.055	494.3111	-4.851	0.710063	15.162	2568.689
9429_9430	9429	9430	-2737.24	-490.662	4.851	-0.71006	-0.50794	-1081.14
9430_9430	9430	9430	2766.582	-93.303	2.058	-0.43575	4.116	1081.134
9430_9431	9430	9431	-2763.71	99.55838	-2.058	0.43575	-15.5571	-1617.29
9431_9431	9431	9431	2765.165	-43.2889	-0.63	0.809813	14.86669	1617.295
9431_9432	9431	9432	-2761.03	52.79531	0.63	-0.80981	-9.28594	-2042.67
9432_9432	9432	9432	2746.358	43.65113	1.47525	0.35175	-5.66213	2042.654
9432_9433	9432	9433	-2740.19	-27.9353	-1.47525	-0.35175	-15.6122	-1526.53
9433_9433	9433	9433	2715.473	120.1764	2.048813	0.448875	0.76125	1526.516
9433_9434	9433	9434	-2712.66	-112.219	-2.04881	-0.44888	-15.5308	-689.087
9434_9434	9434	9434	2709.245	176.4302	0.5565	0.468563	15.41006	689.0901
9434_9435	9434	9435	-2706.62	-168.404	-0.5565	-0.46856	-19.4211	554.4066
9435_9435	9435	9435	2689.319	248.4733	-15.918	0.783563	6.460125	-554.437
9435_9436	9435	9436	-2685.72	-236.209	15.918	-0.78356	167.2755	3199.372
9436_9436	9436	9436	2679.044	302.4591	-20.1771	-0.33075	-165.807	-3199.45

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9436_9437	9436	9437	-2677.99	-298.505	20.17706	0.33075	236.3288	4249.645
9437_9437	9437	9437	2680.124	303.6193	-38.1452	-1.72331	-255.413	-4249.62
9437_9072	9437	9072	-2678.9	-298.985	38.14519	1.723313	411.5514	5482.944
9440_9094	9440	9094	3096.404	-276.016	39.48263	1.085438	-182.268	-3454.93
9440_9441	9440	9441	-3097.61	280.6125	-39.4826	-1.08544	20.47631	2280.238
9441_9441	9441	9441	3095.222	-271.836	1.320375	0.02625	-3.68419	-2280.18
9441_9442	9441	9442	-3096.27	275.7471	-1.32038	-0.02625	-0.92531	1324.505
9442_9442	9442	9442	3102.04	-200.618	0.237563	-0.46725	0.7875	-1324.51
9442_9443	9442	9443	-3105.6	212.7694	-0.23756	0.46725	-3.38494	-932.204
9443_9443	9443	9443	3125.521	-118.296	-2.18006	0.065625	22.56188	932.2215
9443_9444	9443	9444	-3128.12	126.2336	2.180063	-0.06563	-6.86044	-1812.75
9444_9444	9444	9444	3130.184	-54.8861	-1.55006	-0.45806	6.7305	1812.748
9444_9445	9444	9445	-3132.97	62.77819	1.550063	0.458063	4.454625	-2237.25
9445_9445	9445	9445	3141.402	44.70113	-2.34806	-0.06038	16.53094	2237.255
9445_9446	9445	9446	-3147.51	-29.1388	2.348063	0.060375	17.31975	-1705.02
9446_9446	9446	9446	3146.966	138.5843	4.049063	-0.22969	2.529188	1705.031
9446_9447	9446	9447	-3151.06	-129.162	-4.04906	0.229688	-38.3946	-519.108
9447_9447	9447	9447	3147.585	196.3854	-3.99263	0.238875	38.97469	519.0649
9447_9448	9447	9448	-3150.43	-190.2	3.992625	-0.23888	-16.8118	553.8304
9448_9448	9448	9448	3119.785	-476.846	0.861	4.064813	15.49538	-553.815
9448_9449	9448	9449	-3120.59	480.4656	-0.861	-4.06481	-18.0994	-893.92
9449_9449	9449	9449	3119.813	476.889	2.48325	-4.45069	18.186	894.0921
9449_9450	9449	9450	-3119	-473.269	-2.48325	4.450688	-25.6974	542.8238
9450_9450	9450	9450	3144.074	-190.924	-1.89131	0.228375	28.5915	-542.799
9450_9451	9450	9451	-3141.23	197.1218	1.891313	-0.22838	-18.0784	-535.913
9451_9451	9451	9451	3144.619	-132.492	-0.903	-0.30844	18.15056	535.9108
9451_9452	9451	9452	-3140.53	141.9128	0.903	0.308438	-10.1469	-1751.24
9452_9452	9452	9452	3136.139	-32.6983	1.598625	-0.08006	-10.0288	1751.227
9452_9453	9452	9453	-3130.03	48.25669	-1.59863	0.080063	-13.02	-2334.68
9453_9453	9453	9453	3116.699	57.63056	2.214188	-0.08794	-7.10588	2334.67
9453_9454	9453	9454	-3113.92	-49.7529	-2.21419	0.087938	-8.84888	-1947.85
9454_9454	9454	9454	3111.863	123.5259	1.462125	0.179813	8.68875	1947.85
9454_9455	9454	9455	-3109.27	-115.579	-1.46213	-0.17981	-19.2308	-1085.91
9455_9455	9455	9455	3084.602	209.2611	0.028875	0.42	0.276938	1085.897
9455_9456	9455	9456	-3081.04	-197.103	-0.02888	-0.42	-0.59719	1133.717
9456_9456	9456	9456	3075.429	270.9236	-2.77069	-0.651	0.888563	-1133.72
9456_9457	9456	9457	-3074.39	-267.014	2.770688	0.651	8.776688	2072.22
9457_9457	9457	9457	3076.975	275.8074	-28.5574	-0.76388	-27.216	-2072.24
9457_9110	9457	9110	-3075.77	-271.214	28.55738	0.763875	144.1926	3224.514
9460_9132	9460	9132	2523.402	-250.454	-49.5968	-4.23281	314.6483	-4123.72
9460_9461	9460	9461	-2524.61	255.0463	49.59675	4.232813	-111.565	2968.666
9461_9461	9461	9461	2522.158	-249.716	-13.5135	-0.98175	128.6079	-2968.65
9461_9462	9461	9462	-2523.2	253.6249	13.5135	0.98175	-81.4721	2090.794
9462_9462	9462	9462	2528.571	-193.011	-11.2494	-1.02113	81.98663	-2090.77
9462_9463	9462	9463	-2532.13	205.1648	11.24944	1.021125	40.866	-83.3503
9463_9463	9463	9463	2511.361	-129.567	0.233625	-1.28363	-20.2899	83.37394
9463_9464	9463	9464	-2513.96	137.5119	-0.23363	1.283625	18.60863	-1045.79
9464_9464	9464	9464	2516.476	-79.0401	0.233625	-0.8505	-18.6336	1045.79
9464_9465	9464	9465	-2519.26	86.92556	-0.23363	0.8505	16.95225	-1644.19
9465_9465	9465	9465	2490.88	1.313813	-2.06588	-1.02506	2.287688	1644.198
9465_9466	9465	9466	-2496.99	14.238	2.065875	1.025063	27.47456	-1737.3
9466_9466	9466	9466	2465.824	77.12644	4.811625	-0.79275	-8.62313	1737.351
9466_9467	9466	9467	-2469.92	-67.6974	-4.81163	0.79275	-34.0213	-1095.54
9467_9467	9467	9467	2467.953	119.5884	1.991063	-0.28219	34.55944	1095.524
9467_9468	9467	9468	-2470.8	-113.395	-1.99106	0.282188	-45.6278	-448.131
9468_9468	9468	9468	2409.128	-390.803	-8.91188	22.7115	43.40306	448.1229
9468_9469	9468	9469	-2409.94	394.422	8.911875	-22.7115	-16.4614	-1634.96
9469_9469	9469	9469	2414.615	391.8626	7.537688	-23.016	17.98519	1651.205

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9469_9470	9469	9470	-2413.81	-388.244	-7.53769	23.016	-40.7702	-472.102
9470_9470	9470	9470	2475.279	-116.677	-4.95863	1.342688	43.29413	472.0879
9470_9471	9470	9471	-2472.43	122.8723	4.958625	-1.34269	-15.7369	-1137.73
9471_9471	9471	9471	2474.441	-72.0024	-2.12888	-0.26513	16.31963	1137.718
9471_9472	9471	9472	-2470.35	81.41963	2.128875	0.265125	2.526563	-1816.93
9472_9472	9472	9472	2501.038	11.6025	2.615813	0.711375	-22.0382	1816.886
9472_9473	9472	9473	-2494.93	3.961125	-2.61581	-0.71138	-15.6739	-1761.8
9473_9473	9473	9473	2514.173	83.68763	0.312375	0.700875	-3.48469	1761.787
9473_9474	9473	9474	-2511.39	-75.8021	-0.31238	-0.70088	1.231125	-1186.74
9474_9474	9474	9474	2508.949	134.1572	0.312375	0.72975	-1.21406	1186.736
9474_9475	9474	9475	-2506.35	-126.213	-0.31238	-0.72975	-1.03819	-248.501
9475_9475	9475	9475	2509.4	202.2103	7.686	1.253438	-16.8499	248.4904
9475_9476	9475	9476	-2505.84	-190.057	-7.686	-1.25344	-67.0832	1893.371
9476_9476	9476	9476	2500.565	250.1205	5.441625	-2.10131	67.55963	-1893.35
9476_9477	9476	9477	-2499.52	-246.213	-5.44163	2.101313	-86.5423	2758.985
9477_9477	9477	9477	2501.426	253.3125	-8.27663	0.504	72.43556	-2759
9477_9148	9477	9148	-2500.22	-248.72	8.276625	-0.504	-38.5468	3786.834
9480_9168	9480	9168	2289.919	-251.006	-12.5646	-0.63394	71.37506	-4478.08
9480_9481	9480	9481	-2291.13	255.5989	12.56456	0.633938	-19.9251	3440.878
9481_9481	9481	9481	2289.315	-250.266	-3.33244	-0.38719	33.19181	-3440.88
9481_9482	9481	9482	-2290.36	254.1866	3.332438	0.387188	-21.5355	2558.647
9482_9482	9482	9482	2295.994	-196.878	-3.33244	-0.92531	21.51844	-2558.65
9482_9483	9482	9483	-2299.56	209.0196	3.332438	0.925313	14.84175	344.3121
9483_9483	9483	9483	2266.852	-140.793	1.000125	-1.58288	2.496375	-344.292
9483_9484	9483	9484	-2269.45	148.7378	-1.00013	1.582875	-9.702	-699.026
9484_9484	9484	9484	2272.293	-95.9451	-2.08163	-0.84525	10.00256	699.0218
9484_9485	9484	9485	-2275.08	103.8319	2.081625	0.84525	5.0085	-1419.33
9485_9485	9485	9485	2229.405	-24.5464	-3.31144	-1.22981	12.82838	1419.368
9485_9486	9485	9486	-2235.52	40.10869	3.311438	1.229813	34.91381	-1885.45
9486_9486	9486	9486	2175.815	43.77844	6.717375	0.811125	-16.0965	1885.517
9486_9487	9486	9487	-2179.91	-34.3613	-6.71738	-0.81113	-43.3755	-1539.59
9487_9487	9487	9487	2178.726	79.17394	10.70213	-2.85075	42.11025	1539.624
9487_9488	9487	9488	-2181.57	-72.9789	-10.7021	2.85075	-101.59	-1116.83
9488_9488	9488	9488	2084.892	-361.382	-19.9697	43.5015	100.3196	1116.746
9488_9489	9488	9489	-2085.7	365.001	19.96969	-43.5015	-39.9525	-2214.65
9489_9489	9489	9489	2095.119	369.9885	15.72113	-43.2298	90.59006	2240.331
9489_9490	9489	9490	-2094.31	-366.37	-15.7211	43.22981	-138.116	-1127.35
9490_9490	9490	9490	2193.052	-70.7057	-12.4123	2.563313	138.4701	1127.342
9490_9491	9490	9491	-2190.21	76.90069	12.41231	-2.56331	-69.4864	-1537.5
9491_9491	9491	9491	2191.351	-30.8621	-9.92513	-0.63263	70.27781	1537.463
9491_9492	9491	9492	-2187.26	40.29113	9.925125	0.632625	17.69381	-1852.79
9492_9492	9492	9492	2244.052	42.27956	3.194625	1.236375	-36.3878	1852.722
9492_9493	9492	9493	-2237.94	-26.7278	-3.19463	-1.23638	-9.639	-1355.57
9493_9493	9493	9493	2281.449	106.7627	2.44125	0.90825	-7.3395	1355.579
9493_9494	9493	9494	-2278.67	-98.8759	-2.44125	-0.90825	-10.2624	-614.14
9494_9494	9494	9494	2275.753	151.8143	-0.67069	1.52775	9.999938	614.1424
9494_9495	9494	9495	-2273.16	-143.87	0.670688	-1.52775	-5.16731	451.3464
9495_9495	9495	9495	2301.96	213.4847	3.551625	1.586813	-11.3164	-451.357
9495_9496	9495	9496	-2298.4	-201.32	-3.55163	-1.58681	-27.5021	2718.268
9496_9496	9496	9496	2293.166	254.1144	1.502813	-1.54875	28.20169	-2718.26
9496_9497	9496	9497	-2292.12	-250.218	-1.50281	1.54875	-33.4294	3595.406
9497_9497	9497	9497	2293.274	258.3079	7.973438	0.706125	19.10344	-3595.42
9497_9184	9497	9184	-2292.07	-253.715	-7.97344	-0.70613	-51.7532	4736.583
9500_9204	9500	9204	2755.344	-297.793	40.0995	1.5225	-176.687	-5247.65
9500_9501	9500	9501	-2756.77	303.2243	-40.0995	-1.5225	12.49106	3965.202
9501_9501	9501	9501	2756.574	-296.76	6.013875	6.579563	-0.99619	-3965.21
9501_9502	9501	9502	-2757.81	301.3828	-6.01388	-6.57956	-19.9815	2922.015
9502_9502	9502	9502	2764.252	-235.125	-1.66163	-2.22206	17.69513	-2922.04

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9502_9503	9502	9503	-2768.46	249.4997	1.661625	2.222063	0.4515	275.8888
9503_9503	9503	9503	2795.827	-166.177	-2.87175	0.295313	8.921063	-275.852
9503_9504	9503	9504	-2798.9	175.5718	2.87175	-0.29531	11.7705	-955.63
9504_9504	9504	9504	2802.226	-110.467	0.96075	-0.756	-12.2286	955.6247
9504_9505	9504	9505	-2805.52	119.7932	-0.96075	0.756	5.301188	-1785.84
9505_9505	9505	9505	2824.579	-23.6775	-0.69431	-0.0105	5.190938	1785.856
9505_9506	9505	9506	-2831.81	42.07088	0.694313	0.0105	4.805063	-2259.52
9506_9506	9506	9506	2845.196	54.65775	1.862438	-0.63263	6.951	2259.508
9506_9507	9506	9507	-2850.04	-43.5068	-1.86244	0.632625	-23.457	-1824.48
9507_9507	9507	9507	2848.494	103.383	-2.08556	1.361063	24.58181	1824.463
9507_9508	9507	9508	-2851.83	-96.1183	2.085563	-1.36106	-12.9885	-1270.1
9508_9508	9508	9508	2818.369	-506.873	-1.19831	1.446375	10.04719	1270.083
9508_9509	9508	9509	-2819.32	511.1164	1.198313	-1.44638	-6.42469	-2808.77
9509_9509	9509	9509	2819.918	514.0091	7.308	-0.93975	6.311813	2808.367
9509_9510	9509	9510	-2818.97	-509.766	-7.308	0.93975	-28.4038	-1260.96
9510_9510	9510	9510	2858.906	-93.9081	0.96075	-1.21931	29.31994	1261.005
9510_9511	9510	9511	-2855.57	101.1728	-0.96075	1.219313	-34.6605	-1803.09
9511_9511	9511	9511	2857.043	-42.4095	-4.13175	1.262625	33.23906	1803.116
9511_9512	9511	9512	-2852.2	53.54738	4.13175	-1.26263	3.348188	-2227.94
9512_9512	9512	9512	2845.598	44.75625	1.777125	0.354375	-14.9205	2227.936
9512_9513	9512	9513	-2838.37	-26.3629	-1.77713	-0.35438	-10.6824	-1715.55
9513_9513	9513	9513	2824.075	122.6925	2.505563	0.935813	-1.52119	1715.564
9513_9514	9513	9514	-2820.78	-113.365	-2.50556	-0.93581	-16.5493	-864.35
9514_9514	9514	9514	2817.385	178.8924	2.815313	0.454125	16.59788	864.3482
9514_9515	9514	9515	-2814.31	-169.496	-2.81531	-0.45413	-36.8891	391.2064
9515_9515	9515	9515	2793.597	253.5474	-10.1259	0.616875	29.06531	-391.239
9515_9516	9515	9516	-2789.39	-239.172	10.12594	-0.61688	81.52856	3082.082
9516_9516	9516	9516	2782.837	306.0264	-12.0383	0.389813	-80.9078	-3082.1
9516_9517	9516	9517	-2781.6	-301.404	12.03825	-0.38981	122.9078	4141.704
9517_9517	9517	9517	2781.016	309.5243	-64.4844	-4.39819	-130.091	-4141.85
9517_9220	9517	9220	-2779.59	-304.092	64.48444	4.398188	394.1976	5398.441
9520_9240	9520	9240	2135.998	-349.469	-28.9971	15.48619	-674.752	-9517.82
9520_9521	9520	9521	-2137.71	355.9815	28.99706	-15.4862	793.2881	8075.911
9521_9521	9521	9521	2120.449	-356.491	47.92594	-8.42625	-786.825	-8077.03
9521_9522	9521	9522	-2121.93	362.0466	-47.9259	8.42625	619.5801	6823.295
9522_9522	9522	9522	2129.992	-311.111	48.08081	6.936563	-619.451	-6823.31
9522_9523	9522	9523	-2135.05	328.3875	-48.0808	-6.93656	94.10756	3329.626
9523_9523	9523	9523	2158.583	-265.645	9.24525	0.874125	-93.6784	-3329.06
9523_9524	9523	9524	-2162.27	276.9231	-9.24525	-0.87413	27.09131	1375.094
9524_9524	9524	9524	2168.132	-226.66	5.110875	-1.22063	-28.0258	-1375.08
9524_9525	9524	9525	-2172.09	237.8578	-5.11088	1.220625	-8.80819	-299.009
9525_9525	9525	9525	2221.372	-166.728	-2.56069	-1.27444	11.56444	299.1516
9525_9526	9525	9526	-2230.05	188.8464	2.560688	1.274438	25.3575	-2863.2
9526_9526	9526	9526	2267.61	-113.115	-2.3835	-5.87738	-18.6861	2860.625
9526_9527	9526	9527	-2273.43	126.4856	2.3835	5.877375	39.7845	-3920.88
9527_9527	9527	9527	2275.49	-80.8106	-9.14944	6.773813	-34.4544	3920.926
9527_9528	9527	9528	-2279.47	89.47575	9.149438	-6.77381	85.3335	-4394.4
9528_9528	9528	9528	2231.028	-572.35	12.075	-18.1926	-95.4122	4394.393
9528_9529	9528	9529	-2232.16	577.4134	-12.075	18.19256	58.87219	-6134.07
9529_9529	9529	9529	2228.432	559.5437	0.980438	14.70131	-58.1096	6129.719
9529_9530	9529	9530	-2227.3	-554.496	-0.98044	-14.7013	55.14994	-4448.98
9530_9530	9530	9530	2278.921	75.92156	9.934313	-5.26706	-50.9289	4446.589
9530_9531	9530	9531	-2274.94	-67.2551	-9.93431	5.267063	-4.32206	-4048.43
9531_9531	9531	9531	2273.127	113.3541	5.731688	2.298188	0.889875	4048.436
9531_9532	9531	9532	-2267.31	-99.9731	-5.73169	-2.29819	-51.6416	-3103.88
9532_9532	9532	9532	2251.512	176.7019	-2.43469	0.421313	44.53838	3102.788
9532_9533	9532	9533	-2242.83	-154.605	2.434688	-0.42131	-9.44869	-715.649
9533_9533	9533	9533	2215.192	230.5708	4.390313	3.600188	5.395688	716.2194

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9533_9534	9533	9534	-2211.24	-219.37	-4.39031	-3.60019	-37.044	905.688
9534_9534	9534	9534	2205.508	270.9998	-2.81531	-0.35044	38.12681	-905.65
9534_9535	9534	9535	-2201.82	-259.712	2.815313	0.350438	-17.829	2818.351
9535_9535	9535	9535	2137.467	326.9228	31.70606	5.756625	17.05988	-2816.51
9535_9536	9535	9536	-2132.41	-309.649	-31.7061	-5.75663	-363.434	6293.648
9536_9536	9536	9536	2124.426	360.6986	27.6255	-15.624	366.8477	-6293.43
9536_9537	9536	9537	-2122.94	-355.144	-27.6255	15.624	-463.25	7542.414
9537_9537	9537	9537	2133.628	347.5303	-42.4344	-157.374	466.2315	-7565.68
9537_9254	9537	9254	-2131.91	-341.014	42.43444	157.374	-292.651	9063.671
9540_9275	9540	9275	3723.833	-362.037	71.45644	22.1025	-1475.57	-4941.9
9540_9541	9540	9541	-3725.68	369.0566	-71.4564	-22.1025	1183.055	3445.5
9541_9541	9541	9541	3722.46	-362.402	78.26963	-12.4661	-1170.23	-3459.64
9541_9542	9541	9542	-3724.06	368.3781	-78.2696	12.46613	897.1948	2185.024
9542_9542	9542	9542	3732.002	-278.888	69.34331	3.717	-898.801	-2184.4
9542_9543	9542	9543	-3737.44	297.4716	-69.3433	-3.717	141.4718	-962.921
9543_9543	9543	9543	3776.598	-178.042	9.877875	-4.368	-135.517	957.8625
9543_9544	9543	9544	-3780.57	190.1826	-9.87788	4.368	64.35188	-2284.35
9544_9544	9544	9544	3783.926	-104.081	6.208125	-0.66544	-63.6458	2284.377
9544_9545	9544	9545	-3788.18	116.1536	-6.20813	0.665438	18.82519	-3079.32
9545_9545	9545	9545	3829.16	15.06356	0.779625	-2.35069	-11.0683	3075.086
9545_9546	9545	9546	-3838.5	8.716313	-0.77963	2.350688	-0.16669	-3029.35
9546_9546	9546	9546	3856.575	121.5073	12.17213	-1.57369	7.394625	3026.324
9546_9547	9546	9547	-3862.83	-107.111	-12.1721	1.573688	-115.164	-2014.25
9547_9547	9547	9547	3859.94	184.1385	8.138813	-1.81125	116.0539	2014.195
9547_9548	9547	9548	-3864.21	-174.832	-8.13881	1.81125	-161.346	-1015.4
9548_9548	9548	9548	3825.913	-637.493	0.442313	11.88075	155.4774	1006.667
9548_9549	9548	9549	-3827.13	642.9058	-0.44231	-11.8808	-156.808	-2936.87
9549_9549	9549	9549	3850.926	676.5767	1.250813	-11.6366	157.2034	2951.998
9549_9550	9549	9550	-3849.68	-671.236	-1.25081	11.63663	-160.931	-942.963
9550_9550	9550	9550	3892.214	-180.353	6.426	-0.84525	165.9446	933.3844
9550_9551	9550	9551	-3887.71	189.7389	-6.426	0.84525	-202.31	-1980.56
9551_9551	9551	9551	3891.041	-100.288	-6.02831	0.769125	199.4029	1980.855
9551_9552	9551	9552	-3884.89	113.8909	6.028313	-0.76913	-148.643	-2882.59
9552_9552	9552	9552	3861.302	40.87256	0.053813	-0.79275	141.8366	2882.83
9552_9553	9552	9553	-3851.94	-17.7214	-0.05381	0.79275	-142.589	-2470.2
9553_9553	9553	9553	3814.71	159.285	-9.12319	1.462125	136.0656	2470.002
9553_9554	9553	9554	-3810.47	-147.546	9.123188	-1.46213	-71.8476	-1390.1
9554_9554	9554	9554	3805.44	245.2052	-8.02856	-0.78881	71.99719	1390.092
9554_9555	9554	9555	-3801.5	-233.359	8.028563	0.788813	-15.4678	294.6549
9555_9555	9555	9555	3743.14	367.4186	-13.1867	0.202125	14.973	-293.573
9555_9556	9555	9556	-3737.84	-349.283	13.18669	-0.20213	125.5577	4112.723
9556_9556	9556	9556	3726.924	450.9422	-17.2069	-0.96206	-124.3	-4112.76
9556_9557	9556	9557	-3725.38	-445.077	17.20688	0.962063	183.1673	5645.412
9557_9557	9557	9557	3720.171	467.4416	-19.9986	-90.6846	-185.406	-5674.75
9557_9288	9557	9288	-3717.72	-457.824	19.99856	90.68456	297.3469	8346.998
49000_9000	49000	9000	-9.57731	471.072	2.5935	11.89125	0	-54.5882
49000_9001	49000	9001	9.577313	-439.219	-2.5935	-11.8913	-21.5289	3832.319
49001_9001	49001	9001	-9.57338	439.2189	2.606625	6.538875	21.52894	-3832.33
49001_9002	49001	9002	9.573375	-405.086	-2.60663	-6.53888	-44.7195	7586.985
49002_9002	49002	9002	-9.57075	383.7816	-2.8665	16.78425	44.7195	-7586.99
49002_9003	49002	9003	9.57075	-337.411	2.8665	-16.7843	-10.0879	11944.14
49003_9003	49003	9003	-9.576	337.4109	-2.84944	-4.13831	10.08788	-11944.1
49003_9004	49003	9004	9.576	-291.011	2.849438	4.138313	24.36	15743.08
49004_9004	49004	9004	-9.576	262.1036	0.707438	20.58	-24.36	-15743.1
49004_9005	49004	9005	9.576	-215.747	-0.70744	-20.58	15.80775	18629.11
49005_9005	49005	9005	-9.57469	215.7474	0.7245	-12.0343	-15.8078	-18629.1
49005_9006	49005	9006	9.574688	-169.364	-0.7245	12.03431	7.046813	20956.41
49006_9006	49006	9006	-9.57338	137.3597	0.385875	11.31113	-7.04681	-20956.4

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49006_9007	49006	9007	9.573375	-90.9812	-0.38588	-11.3111	2.386125	22336.17
49007_9007	49007	9007	-9.57338	90.98119	0.39375	-7.01269	-2.38613	-22336.2
49007_9008	49007	9008	9.573375	-44.6079	-0.39375	7.012688	-2.36906	23155.39
49008_9008	49008	9008	-9.57338	11.88338	-0.1155	-1.59075	2.369063	-23155.4
49008_9009	49008	9009	9.573375	34.5135	0.1155	1.59075	-0.97519	23018.58
49009_9009	49009	9009	-9.57338	-34.5135	-0.11681	0.851813	0.975188	-23018.6
49009_9010	49009	9010	9.573375	80.87231	0.116813	-0.85181	0.4305	22321.65
49010_9010	49010	9010	-9.57206	-114.97	1.052625	14.6265	-0.4305	-22321.7
49010_9011	49010	9011	9.572063	161.3561	-1.05263	-14.6265	-12.2968	20651.66
49011_9011	49011	9011	-9.57075	-161.356	1.068375	-19.2767	12.29681	-20651.7
49011_9012	49011	9012	9.57075	207.7333	-1.06838	19.27669	-25.2131	18421.48
49012_9012	49012	9012	-9.56944	-240.283	0.862313	8.674313	25.21313	-18421.5
49012_9013	49012	9013	9.569438	286.6566	-0.86231	-8.67431	-35.6331	15237.86
49013_9013	49013	9013	-9.56813	-286.657	0.878063	-16.3564	35.63306	-15237.9
49013_9014	49013	9014	9.568125	333.0193	-0.87806	16.35638	-46.242	11494.71
49014_9014	49014	9014	-9.56813	-364.091	-0.06037	1.048688	46.242	-11494.7
49014_9015	49014	9015	9.568125	423.7485	0.060375	-1.04869	-45.3088	5371.083
49015_9015	49015	9015	-4.75256	-423.83	-0.04462	-7.95769	45.22088	-5377
49015_9016	49015	9016	4.41525	453.4163	0.044625	7.957688	-44.8508	1758.385
49016_9016	49016	9016	5.95875	-479.001	-4.69481	-5.70544	79.04138	-2604.23
49016_9017	49016	9017	-7.35	521.4353	4.694813	5.705438	-23.8298	-3474.87
49017_9017	49017	9017	21.97125	-521.024	-4.6725	0.988313	24.108	3474.869
49017_9018	49017	9018	-25.0989	572.3511	4.6725	-0.98831	37.92731	-10744.7
49018_9018	49018	9018	43.69838	-600.668	6.20025	-17.4156	-39.6218	10744.47
49018_9019	49018	9019	-48.2304	651.4725	-6.20025	17.41556	-38.1583	-18568.9
49019_9019	49019	9019	66.17231	-649.895	6.216	12.25481	41.25844	18568.9
49019_9020	49019	9020	-72.5012	703.9646	-6.216	-12.2548	-119.515	-26902.8
49020_9020	49020	9020	-2760.73	202.8784	-33.8481	-4.074	731.661	4659.769
49020_9021	49020	9021	2760.727	-167.759	33.84806	4.074	-410.009	-2898.74
49021_9021	49021	9021	-2760.8	167.7585	-27.4929	2.59875	410.0093	2898.74
49021_9022	49021	9022	2760.798	-141.918	27.49294	-2.59875	-197.241	-1700.44
49022_9022	49022	9022	-2760.77	141.918	-30.2282	0.914813	197.2412	1700.442
49022_9023	49022	9023	2760.769	-116.007	30.22819	-0.91481	37.33144	-699.69
49023_9023	49023	9023	-2760.87	91.41169	-6.14513	-0.2205	-37.3314	699.6793
49023_9024	49023	9024	2760.873	-64.701	6.145125	0.2205	86.49244	-75.2548
49024_9024	49024	9024	-2760.87	64.701	-6.14513	-0.2205	-86.4924	75.25481
49024_9025	49024	9025	2760.873	-37.9903	6.145125	0.2205	135.6548	335.4921
49025_9025	49025	9025	-2760.88	37.99031	-2.71556	-0.63656	-135.655	-335.491
49025_9026	49025	9026	2760.878	-11.2823	2.715563	0.636563	157.3714	532.5469
49026_9026	49026	9026	-2760.87	-11.403	-6.33019	0.032813	-157.371	-532.546
49026_9027	49026	9027	2760.874	31.42519	6.330188	-0.03281	195.3289	404.1358
49027_9027	49027	9027	-2760.88	-31.4252	-1.25475	-0.71006	-195.329	-404.136
49027_9028	49027	9028	2760.881	51.47756	1.25475	0.710063	202.8626	155.2097
49028_9028	49028	9028	-2760.88	-51.4776	-1.7535	-0.6825	-202.863	-155.21
49028_9029	49028	9029	2760.881	71.49581	1.7535	0.6825	213.3718	-213.422
49029_9029	49029	9029	-2760.88	-71.4958	-1.25475	-0.64313	-213.372	213.4217
49029_9030	49029	9030	2760.881	91.54688	1.25475	0.643125	220.9056	-702.98
49030_9030	49030	9030	-2760.88	-114.547	1.998938	-1.98319	-220.906	702.9868
49030_9031	49030	9031	2760.882	141.2434	-1.99894	1.983188	204.9246	-1725.55
49031_9031	49031	9031	-2760.88	-141.243	1.998938	-1.98319	-204.925	1725.549
49031_9032	49031	9032	2760.882	167.9396	-1.99894	1.983188	188.9436	-2961.56
49032_9032	49032	9032	-2760.88	-167.94	5.794688	2.0895	-188.944	2961.557
49032_9033	49032	9033	2760.877	194.6661	-5.79469	-2.0895	142.5559	-4412.74
49033_9033	49033	9033	-2760.82	-219.093	21.01575	-6.92869	-142.556	4412.785
49033_9034	49033	9034	2760.816	244.9781	-21.0158	6.928688	-20.3648	-6211.63
49034_9034	49034	9034	-2760.82	-244.978	21.01575	-6.92869	20.36475	6211.627
49034_9035	49034	9035	2760.816	270.8646	-21.0158	6.928688	-183.285	-8211.14
49035_9035	49035	9035	-2760.76	-270.865	27.60581	12.67219	183.2854	8211.137

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49035_9036	49035	9036	2760.758	305.9726	-27.6058	-12.6722	-445.531	-11170
49036_9036	49036	9036	20.54325	597.6534	-4.63575	-34.251	65.1945	35329.41
49036_9037	49036	9037	-14.2144	-543.617	4.63575	34.251	-6.87881	-28010.5
49037_9037	49037	9037	-0.84656	543.8016	-4.51369	33.10125	-0.09188	28010.52
49037_9038	49037	9038	5.377313	-492.97	4.513688	-33.1013	56.7525	-21376.5
49038_9038	49038	9038	-20.6666	467.2881	3.290438	-4.74731	-53.3991	21376.92
49038_9039	49038	9039	23.793	-415.985	-3.29044	4.747313	9.737438	-15552.4
49039_9039	49039	9039	-69.384	327.7076	1.342688	3.55425	-17.3027	2086.569
49039_9040	49039	9040	70.77788	-285.196	-1.34269	-3.55425	1.502813	1641.284
49040_9040	49040	9040	-77.1593	258.6924	0.569625	0.649688	-1.39256	-1641.29
49040_9041	49040	9041	77.49394	-229.197	-0.56963	-0.64969	-3.30881	3805.657
49041_9041	49041	9041	-80.094	228.3015	0.560438	1.043438	3.315375	-3805.66
49041_9042	49041	9042	80.094	-179.747	-0.56044	-1.04344	-11.7876	6675.026
49042_9042	49042	9042	-80.094	151.7276	-0.13125	3.73275	11.78756	-6675.03
49042_9043	49042	9043	80.094	-113.567	0.13125	-3.73275	-10.2218	8251.261
49043_9043	49043	9043	-80.094	113.5667	-0.07088	-2.53181	10.22175	-8251.26
49043_9044	49043	9044	80.094	-75.4412	0.070875	2.531813	-9.37913	9373.216
49044_9044	49044	9044	-80.094	45.44663	-0.0945	4.242	9.379125	-9373.2
49044_9045	49044	9045	80.094	-7.29619	0.0945	-4.242	-8.25563	9686.492
49045_9045	49045	9045	-80.094	7.296188	-0.02756	-3.87844	8.255625	-9686.49
49045_9046	49045	9046	80.094	30.85294	0.027563	3.878438	-7.92881	9546.571
49046_9046	49046	9046	-80.094	-61.4762	0.001313	3.331125	7.928813	-9546.57
49046_9047	49046	9047	80.094	99.61875	-0.00131	-3.33113	-7.94456	8589.872
49047_9047	49047	9047	-80.094	-99.6188	0.06825	-3.87319	7.944563	-8589.87
49047_9048	49047	9048	80.094	137.7587	-0.06825	3.873188	-8.757	7180.264
49048_9048	49048	9048	-80.094	-168.106	0.231	1.405688	8.757	-7180.26
49048_9049	49048	9049	80.094	206.241	-0.231	-1.40569	-11.5001	4957.625
49049_9049	49049	9049	-80.094	-206.241	0.297938	-2.75363	11.50013	-4957.62
49049_9050	49049	9050	80.094	244.3718	-0.29794	2.753625	-15.0399	2282.364
49050_9050	49050	9050	-80.094	-273.181	-0.53419	-1.56319	15.03994	-2282.36
49050_9051	49050	9051	80.094	321.7817	0.534188	1.563188	-6.95888	-2508.37
49051_9051	49051	9051	-76.4321	-322.672	-0.45938	0.427875	6.964125	2508.366
49051_9052	49051	9052	76.12238	349.9506	0.459375	-0.42788	-3.17625	-5293.75
49052_9052	49052	9052	-67.7434	-377.551	-1.20488	-2.73788	3.083063	5293.602
49052_9053	49052	9053	66.45713	416.7831	1.204875	2.737875	11.08669	-9952.18
49053_9053	49053	9053	-57.9968	-421.263	-3.25369	0.0525	3.178875	10421.96
49053_9054	49053	9054	54.90975	471.7886	3.253688	-0.0525	40.026	-16526.9
49054_9054	49054	9054	-39.2083	-500.614	3.241875	-10.7691	-41.0773	16526.5
49054_9055	49054	9055	34.75106	550.473	-3.24188	10.76906	0.402938	-22863.9
49055_9055	49055	9055	-19.5274	-551.222	3.3075	7.178063	1.403063	22863.95
49055_9056	49055	9056	13.33106	604.0388	-3.3075	-7.17806	-43.0316	-29903.1
49056_9056	49056	9056	-2671.53	261.4723	-25.9258	-6.99038	465.36	8028.435
49056_9057	49056	9057	2671.527	-226.804	25.92581	6.990375	-219.09	-5709.4
49057_9057	49057	9057	-2671.57	226.8039	-21.105	3.715688	219.0904	5658.421
49057_9058	49057	9058	2671.569	-199.115	21.105	-3.71569	-55.4754	-4007.45
49058_9058	49058	9058	-2671.59	199.1154	-17.6689	8.871188	55.47544	4007.444
49058_9059	49058	9059	2671.594	-171.43	17.66888	-8.87119	81.48525	-2571.26
49059_9059	49059	9059	-2671.63	148.0185	-6.81844	-0.85706	-81.4853	2571.231
49059_9060	49059	9060	2671.632	-119.472	6.818438	0.857063	135.9855	-1502.27
49060_9060	49060	9060	-2671.64	119.4716	-3.23925	1.156313	-135.986	1502.268
49060_9061	49060	9061	2671.638	-90.8933	3.23925	-1.15631	161.9034	-660.622
49061_9061	49061	9061	-2671.64	90.89325	-3.23925	1.156313	-161.903	660.6219
49061_9062	49061	9062	2671.638	-62.3136	3.23925	-1.15631	187.8201	-47.6595
49062_9062	49062	9062	-2671.64	40.31213	0.305813	0.291375	-187.82	47.65556
49062_9063	49062	9063	2671.637	-18.8633	-0.30581	-0.29138	185.9826	130.0333
49063_9063	49063	9063	-2671.63	18.86325	-4.45725	0.523688	-185.983	-130.032
49063_9064	49063	9064	2671.634	2.5515	4.45725	-0.52369	212.7077	178.9358
49064_9064	49064	9064	-2671.63	-2.5515	4.432313	-0.07219	-212.708	-178.937

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49064_9065	49064	9065	2671.634	23.96231	-4.43231	0.072188	186.1374	99.46256
49065_9065	49065	9065	-2671.64	-23.9623	0.305813	0.081375	-186.137	-99.4626
49065_9066	49065	9066	2671.637	45.41119	-0.30581	-0.08137	184.2999	-108.848
49066_9066	49066	9066	-2671.64	-67.4376	2.58825	-0.71138	-184.3	108.8496
49066_9067	49066	9067	2671.638	96.00938	-2.58825	0.711375	163.5992	-762.606
49067_9067	49067	9067	-2671.63	-96.0094	5.919375	0.238875	-163.599	762.6058
49067_9068	49067	9068	2671.632	124.5773	-5.91938	-0.23888	116.2481	-1644.83
49068_9068	49068	9068	-2671.63	-124.577	5.919375	0.238875	-116.248	1644.834
49068_9069	49068	9069	2671.632	153.1464	-5.91938	-0.23888	68.89706	-2755.58
49069_9069	49069	9069	-2671.58	-176.378	20.29519	-5.20669	-68.8971	2755.624
49069_9070	49069	9070	2671.575	204.0478	-20.2952	5.206688	-88.3404	-4229.29
49070_9070	49070	9070	-2671.57	-204.048	20.52619	-4.8405	88.34044	4229.29
49070_9071	49070	9071	2671.574	231.7547	-20.5262	4.8405	-247.574	-5919.65
49071_9071	49071	9071	-2671.53	-231.755	25.26825	6.14775	247.5743	5970.626
49071_9072	49071	9072	2671.533	266.427	-25.2683	-6.14775	-487.628	-8337.05
49072_9072	49072	9072	-7.15575	601.1434	-3.21169	-16.947	49.49044	30306.39
49072_9073	49072	9073	13.35075	-548.335	3.211688	16.947	-9.08381	-23078.5
49073_9073	49073	9073	-28.5351	547.7561	-3.08438	20.68631	5.226375	23078.55
49073_9074	49073	9074	32.991	-497.875	3.084375	-20.6863	33.495	-16517.4
49074_9074	49074	9074	-48.3197	473.3886	3.598875	1.2285	-31.6562	16517.64
49074_9075	49074	9075	51.40538	-422.891	-3.59888	-1.2285	-16.0978	-10572.7
49075_9075	49075	9075	-64.2429	324.9159	1.596	-1.67213	-2.89538	-4456.81
49075_9076	49075	9076	65.50556	-286.412	-1.596	1.672125	-15.8721	8050.153
49076_9076	49076	9076	-71.9001	262.7415	-0.38588	3.862688	15.76575	-8050.32
49076_9077	49076	9077	72.20456	-235.993	0.385875	-3.86269	-12.5882	10106.31
49077_9077	49077	9077	-74.8834	235.1567	-0.35831	-0.12075	12.6315	-10084.5
49077_9078	49077	9078	74.88338	-188.076	0.358313	0.12075	-7.72538	12986.62
49078_9078	49078	9078	-74.8834	163.0269	-0.11288	8.61525	7.725375	-12986.6
49078_9079	49078	9079	74.88338	-124.719	0.112875	-8.61525	-6.46669	14592.02
49079_9079	49079	9079	-74.8834	124.719	-0.042	-5.17913	6.466688	-14592
49079_9080	49079	9080	74.88338	-86.3783	0.042	5.179125	-5.99681	15770.77
49080_9080	49080	9080	-74.8834	59.66625	-0.11419	1.053938	5.996813	-15770.8
49080_9081	49080	9081	74.88338	-21.3294	0.114188	-1.05394	-4.71713	16222.99
49081_9081	49081	9081	-74.8834	21.32944	-0.11419	1.053938	4.717125	-16223
49081_9082	49081	9082	74.88338	17.00606	0.114188	-1.05394	-3.43744	16247.13
49082_9082	49082	9082	-74.8847	-45.8876	-0.084	6.096563	3.437438	-16247.1
49082_9083	49082	9083	74.88469	87.10669	0.084	-6.09656	-2.43338	15448.71
49083_9083	49083	9083	-74.8847	-87.1067	-0.02494	-6.08869	2.433375	-15448.7
49083_9084	49083	9084	74.88469	128.2903	0.024938	6.088688	-2.13806	14156.75
49084_9084	49084	9084	-74.8847	-157.346	0.040688	4.5255	2.138063	-14156.7
49084_9085	49084	9085	74.88469	195.6741	-0.04069	-4.5255	-2.58825	12186.18
49085_9085	49085	9085	-74.8834	-195.674	0.107625	-6.37613	2.58825	-12186.2
49085_9086	49085	9086	74.88338	233.9991	-0.10763	6.376125	-3.78525	9787.844
49086_9086	49086	9086	-74.8834	-261.93	0.059063	1.292813	3.78525	-9787.83
49086_9087	49086	9087	74.88338	300.2882	-0.05906	-1.29281	-4.44806	6646.979
49087_9087	49087	9087	-74.8834	-300.288	0.123375	-4.36669	4.448063	-6646.98
49087_9088	49087	9088	74.88338	338.6106	-0.12338	4.366688	-5.82225	3081.09
49088_9088	49088	9088	-74.8847	-364.404	-0.62738	-3.0135	5.82225	-3081.08
49088_9089	49088	9089	74.88469	409.6654	0.627375	3.0135	2.450438	-2021.45
49089_9089	49089	9089	-70.2293	-410.488	-0.57488	-1.38731	-2.46619	1999.67
49089_9090	49089	9090	69.909	438.7556	0.574875	1.387313	7.210875	-5671.67
49090_9090	49090	9090	-59.6492	-465.44	-0.2625	-9.62588	-7.51538	5671.502
49090_9091	49090	9091	58.317	506.0029	0.2625	9.625875	10.60369	-11435.9
49091_9091	49091	9091	-47.6936	-509.57	-2.11575	4.235438	-0.1155	11779.25
49091_9092	49091	9092	44.64075	559.6749	2.11575	-4.23544	28.20169	-18830.4
49092_9092	49092	9092	-26.5125	-588.067	2.1735	-32.6878	-31.4344	18829.94
49092_9093	49092	9093	22.10119	637.5403	-2.1735	32.68781	4.164563	-26595.1
49093_9093	49093	9093	-4.47563	-637.908	2.361188	30.156	2.277188	26595.09

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49093_9094	49093	9094	-1.66294	690.3383	-2.36119	-30.156	-31.9961	-35033.1
49094_9094	49094	9094	-2950.3	238.6374	-18.9249	-5.48494	289.3275	8818.814
49094_9095	49094	9095	2950.301	-204.272	18.92494	5.484938	-109.595	-6628.3
49095_9095	49095	9095	-2950.33	204.2723	-14.3023	4.899563	109.5951	6628.297
49095_9096	49095	9096	2950.327	-176.988	14.30231	-4.89956	1.324313	-5149.88
49096_9096	49096	9096	-2950.33	176.988	-14.4441	4.6515	-1.32431	5149.877
49096_9097	49096	9097	2950.325	-149.739	14.44406	-4.6515	113.2058	-3884.55
49097_9097	49097	9097	-2950.39	126.4331	2.358563	-2.29556	-113.206	3884.501
49097_9098	49097	9098	2950.388	-98.2708	-2.35856	2.295563	94.3215	-2985.09
49098_9098	49098	9098	-2950.38	98.27081	5.912813	1.300688	-94.3215	2985.095
49098_9099	49098	9099	2950.383	-70.1439	-5.91281	-1.30069	47.04788	-2311.87
49099_9099	49099	9099	-2950.38	70.14394	6.04275	1.40175	-47.0479	2311.865
49099_9100	49099	9100	2950.383	-41.9829	-6.04275	-1.40175	-1.31906	-1863.08
49100_9100	49100	9100	-2950.36	21.36619	-1.11563	-1.04869	1.319063	1863.075
49100_9101	49100	9101	2950.364	-0.24675	1.115625	1.048688	5.379938	-1798.2
49101_9101	49101	9101	-2950.36	0.24675	-1.27969	-1.14844	-5.37994	1798.201
49101_9102	49101	9102	2950.364	20.83856	1.279688	1.148438	13.05019	-1859.91
49102_9102	49102	9102	-2950.36	-20.8386	-1.11563	-1.04475	-13.0502	1859.907
49102_9103	49102	9103	2950.364	41.958	1.115625	1.04475	19.74788	-2048.4
49103_9103	49103	9103	-2950.36	-41.958	3.79575	2.365125	-19.7479	2048.4
49103_9104	49103	9104	2950.361	63.07744	-3.79575	-2.36513	-3.04106	-2363.66
49104_9104	49104	9104	-2950.38	-83.6522	-7.82119	-3.23006	3.041063	2363.673
49104_9105	49104	9105	2950.379	111.7751	7.821188	3.230063	59.47988	-3144.79
49105_9105	49105	9105	-2950.39	-111.775	-4.0215	0.820313	-59.4799	3144.788
49105_9106	49105	9106	2950.387	139.9322	4.0215	-0.82031	91.66369	-4152.07
49106_9106	49106	9106	-2950.39	-139.932	-4.13175	0.664125	-91.6637	4152.068
49106_9107	49106	9107	2950.387	168.0538	4.13175	-0.66413	124.6914	-5383.02
49107_9107	49107	9107	-2950.33	-191.331	12.61181	-4.59638	-124.691	5383.081
49107_9108	49107	9108	2950.335	218.6061	-12.6118	4.596375	26.9115	-6972.23
49108_9108	49108	9108	-2950.33	-218.606	12.61181	-4.59638	-26.9115	6972.228
49108_9109	49108	9109	2950.335	245.8824	-12.6118	4.596375	-70.8684	-8772.85
49109_9109	49109	9109	-2950.32	-245.882	15.61481	4.333875	70.86844	8772.847
49109_9110	49109	9110	2950.32	280.2699	-15.6148	-4.33388	-219.264	-11385.7
49110_9110	49110	9110	-18.1164	646.4351	-2.34675	-23.373	22.13006	38016.62
49110_9111	49110	9111	24.255	-594.026	2.34675	23.373	7.393313	-30139.8
49111_9111	49111	9111	-40.7006	593.1266	-2.19581	24.99525	-12.3296	30139.79
49111_9112	49111	9112	45.11194	-543.641	2.195813	-24.9953	39.89475	-23163.1
49112_9112	49112	9112	-61.8069	517.1906	2.433375	-2.40188	-37.4417	23163.58
49112_9113	49112	9113	64.85981	-467.117	-2.43338	2.401875	5.158125	-16667
49113_9113	49113	9113	-77.1816	367.2966	1.11825	3.054188	0.450188	1065.494
49113_9114	49113	9114	78.5085	-326.814	-1.11825	-3.05419	-13.6067	3198.341
49114_9114	49114	9114	-85.7666	302.1664	-0.17325	2.358563	13.67363	-3198.4
49114_9115	49114	9115	86.08688	-274.007	0.17325	-2.35856	-12.2456	5965.729
49115_9115	49115	9115	-89.1936	273.0118	-0.15619	1.182563	12.27056	-5937.52
49115_9116	49115	9116	89.19356	-228.752	0.156188	-1.18256	-10.122	8838.056
49116_9116	49116	9116	-89.1949	203.7223	-0.19163	10.79925	10.122	-8838.06
49116_9117	49116	9117	89.19488	-167.697	0.191625	-10.7993	-7.98131	10910.95
49117_9117	49117	9117	-89.1949	167.6968	-0.03019	-8.9145	7.981313	-10910.9
49117_9118	49117	9118	89.19488	-131.639	0.030188	8.9145	-7.64006	12582.98
49118_9118	49118	9118	-89.1949	104.1141	-0.54731	12.78113	7.640063	-12583
49118_9119	49118	9119	89.19488	-68.0886	0.547313	-12.7811	-1.52644	13544.02
49119_9119	49119	9119	-89.1962	68.08856	-0.38719	-11.6694	1.526438	-13544
49119_9120	49119	9120	89.19619	-32.0329	0.387188	11.66944	2.793	14103.27
49120_9120	49120	9120	-89.1962	3.598875	-0.06956	11.57231	-2.793	-14103.3
49120_9121	49120	9121	89.19619	35.10413	0.069563	-11.5723	3.631688	13914.4
49121_9121	49121	9121	-89.1962	-35.1041	0.080063	-11.7784	-3.63169	-13914.4
49121_9122	49121	9122	89.19619	73.83863	-0.08006	11.77838	2.676188	13260.69
49122_9122	49122	9122	-89.1962	-103.056	-0.29794	15.309	-2.67619	-13260.7

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49122_9123	49122	9123	89.19619	139.1106	0.297938	-15.309	6.003375	11908.08
49123_9123	49123	9123	-89.1962	-139.111	-0.05775	-16.6688	-6.00338	-11908.1
49123_9124	49123	9124	89.19619	175.1649	0.05775	16.66875	6.654375	10152.76
49124_9124	49124	9124	-89.1962	-202.423	-0.31894	5.8065	-6.65438	-10152.8
49124_9125	49124	9125	89.19619	238.4445	0.318938	-5.8065	10.21519	7692.616
49125_9125	49125	9125	-89.1962	-238.445	-0.15881	-8.03381	-10.2152	-7692.61
49125_9126	49125	9126	89.19619	274.4976	0.158813	8.033813	11.98575	4827.743
49126_9126	49126	9126	-89.1962	-299.854	0.3885	-0.75469	-11.9858	-4827.75
49126_9127	49126	9127	89.19619	343.0731	-0.3885	0.754688	6.783	554.6274
49127_9127	49127	9127	-85.2876	-344.065	0.513188	-1.55794	-6.80138	-581.807
49127_9128	49127	9128	84.99225	369.9793	-0.51319	1.557938	2.571188	-2536.75
49128_9128	49128	9128	-76.2759	-394.629	-3.83775	-7.13213	-2.78775	2536.704
49128_9129	49128	9129	75.05138	431.9582	3.83775	7.132125	47.90231	-7686.49
49129_9129	49129	9129	-72.2374	-437.15	-6.97725	9.511688	-56.2918	8191.754
49129_9130	49129	9130	69.2685	485.8744	6.97725	-9.51169	148.9176	-14267.9
49130_9130	49130	9130	-53.0933	-516.345	13.02131	-8.33831	-150.557	14267.78
49130_9131	49130	9131	48.79744	564.5207	-13.0213	8.338313	-12.8533	-21250.7
49131_9131	49131	9131	-33.2312	-565.649	13.10006	7.731938	14.53988	21250.73
49131_9132	49131	9132	27.24488	616.8278	-13.1001	-7.73194	-179.541	-28917.3
49132_9132	49132	9132	-2489.67	226.1621	3.807563	2.848125	-16.2593	7060.427
49132_9133	49132	9133	2489.675	-192.771	-3.80756	-2.84813	-19.9146	-4864.85
49133_9133	49133	9133	-2489.68	192.7708	0.595875	-3.42825	19.91456	4864.852
49133_9134	49133	9134	2489.677	-167.778	-0.59588	3.42825	-24.528	-3467.72
49134_9134	49134	9134	-2489.67	167.7782	3.807563	1.046063	24.528	3467.721
49134_9135	49134	9135	2489.675	-142.787	-3.80756	-1.04606	-54.0396	-2264.28
49135_9135	49135	9135	-2489.68	118.671	0.479063	-1.29019	54.03956	2264.28
49135_9136	49135	9136	2489.677	-92.8725	-0.47906	1.290188	-57.8708	-1418.11
49136_9136	49136	9136	-2489.67	92.8725	3.591	0.483	57.87075	1418.109
49136_9137	49136	9137	2489.675	-67.0727	-3.591	-0.483	-86.6001	-778.328
49137_9137	49137	9137	-2489.67	67.07269	3.591	0.483	86.60006	778.3283
49137_9138	49137	9138	2489.675	-41.2742	-3.591	-0.483	-115.328	-344.937
49138_9138	49138	9138	-2489.67	18.31463	-6.13725	-0.45413	115.3281	344.9368
49138_9139	49138	9139	2489.673	1.035563	6.13725	0.454125	-78.5072	-293.1
49139_9139	49139	9139	-2489.68	-1.03556	-1.98713	0.034125	78.50719	293.0996
49139_9140	49139	9140	2489.68	20.38444	1.987125	-0.03413	-66.5818	-357.356
49140_9140	49140	9140	-2489.68	-20.3844	-1.98713	0.034125	66.58181	357.3557
49140_9141	49140	9141	2489.68	39.73331	1.987125	-0.03413	-54.6578	-537.708
49141_9141	49141	9141	-2489.67	-39.7333	-6.13725	-0.861	54.65775	537.7063
49141_9142	49141	9142	2489.673	59.08219	6.13725	0.861	-17.8356	-834.152
49142_9142	49142	9142	-2489.68	-81.8672	-2.16956	-0.17981	17.83556	834.1528
49142_9143	49142	9143	2489.68	107.6657	2.169563	0.179813	-0.47644	-1592.29
49143_9143	49143	9143	-2489.68	-107.666	-5.2815	-2.17088	0.476437	1592.286
49143_9144	49143	9144	2489.676	133.4642	5.2815	2.170875	41.78081	-2556.81
49144_9144	49144	9144	-2489.68	-133.464	-2.16956	1.025063	-41.7808	2556.81
49144_9145	49144	9145	2489.68	159.264	2.169563	-1.02506	59.13994	-3727.72
49145_9145	49145	9145	-2489.67	-180.828	3.101438	1.008	-59.1399	3727.723
49145_9146	49145	9146	2489.675	205.821	-3.10144	-1.008	35.10019	-5225.99
49146_9146	49146	9146	-2489.68	-205.821	-0.11025	-5.73431	-35.1002	5225.989
49146_9147	49146	9147	2489.677	230.8136	0.11025	5.734313	35.95594	-6917.95
49147_9147	49147	9147	-2489.67	-230.814	3.101438	3.192	-35.9559	6917.953
49147_9148	49147	9148	2489.675	264.2036	-3.10144	-3.192	6.486375	-9269.29
49148_9148	49148	9148	-30.0234	545.6246	0.0105	0.5145	-25.9206	31010.91
49148_9149	49148	9149	36.01106	-494.487	-0.0105	-0.5145	25.79588	-24469.3
49149_9149	49149	9149	-49.6519	493.3031	0.0105	1.225875	-25.7723	24469.35
49149_9150	49149	9150	53.94769	-445.128	-0.0105	-1.22588	25.64756	-18583.5
49150_9150	49150	9150	-67.5058	425.6753	-0.84919	0.588	-25.5203	18583.56
49150_9151	49150	9151	70.47469	-376.951	0.849188	-0.588	36.79069	-13258.5
49151_9151	49151	9151	-90.5284	270.2963	0.555188	1.731188	-18.7044	-1549.87

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49151_9152	49151	9152	91.77	-232.445	-0.55519	-1.73119	12.18	4504.475
49152_9152	49152	9152	-96.9833	208.0693	0.303188	-2.63419	-12.0881	-4504.48
49152_9153	49152	9153	97.2825	-181.758	-0.30319	2.634188	9.582563	6112.54
49153_9153	49153	9153	-99.3418	180.6407	0.231	1.9215	-9.61144	-6112.54
49153_9154	49153	9154	99.34181	-138.103	-0.231	-1.9215	6.429938	8303.894
49154_9154	49154	9154	-99.3418	112.5954	-0.03806	4.575375	-6.42994	-8303.89
49154_9155	49154	9155	99.34181	-78.5649	0.038063	-4.57538	6.855188	9355.276
49155_9155	49155	9155	-99.3418	78.56494	0.051188	-3.92963	-6.85519	-9355.28
49155_9156	49155	9156	99.34181	-44.5344	-0.05119	3.929625	6.286875	10032.32
49156_9156	49156	9156	-99.3418	17.60194	0.1155	5.110875	-6.28688	-10032.3
49156_9157	49156	9157	99.34181	13.335	-0.1155	-5.11088	5.131875	10053.65
49157_9157	49157	9157	-99.3418	-13.335	0.21525	-4.94288	-5.13188	-10053.7
49157_9158	49157	9158	99.34181	44.27194	-0.21525	4.942875	2.983313	9765.616
49158_9158	49158	9158	-99.3418	-70.434	0	4.307625	-2.98331	-9765.62
49158_9159	49158	9159	99.34181	101.3696	0	-4.30763	2.978063	8906.597
49159_9159	49159	9159	-99.3418	-101.37	0.09975	-4.599	-2.97806	-8906.6
49159_9160	49159	9160	99.34181	132.3066	-0.09975	4.599	1.97925	7738.213
49160_9160	49160	9160	-99.3418	-158.761	0.261188	-0.35831	-1.97925	-7738.21
49160_9161	49160	9161	99.34181	192.7603	-0.26119	0.358313	-0.89381	5806.602
49161_9161	49161	9161	-99.3418	-192.76	0.261188	-0.36356	0.893813	-5806.6
49161_9162	49161	9162	99.34181	226.7908	-0.26119	0.363563	-3.7695	3499.07
49162_9162	49162	9162	-99.3418	-251.417	-0.26381	-0.51056	3.7695	-3499.07
49162_9163	49162	9163	99.34181	293.9554	0.263813	0.510563	-0.13913	-252.875
49163_9163	49163	9163	-95.9936	-295.066	-0.38456	-0.81506	0.129938	252.8736
49163_9164	49163	9164	95.69569	321.3774	0.384563	0.815063	3.041063	-2821.22
49164_9164	49164	9164	-88.0819	-344.904	0.42	1.122188	-2.99644	2821.22
49164_9165	49164	9165	86.84025	382.7552	-0.42	-1.12219	-1.93463	-7140.7
49165_9165	49165	9165	-83.0904	-387.758	-1.49625	-3.90206	12.789	7649.974
49165_9166	49165	9166	80.14125	436.1529	1.49625	3.902063	7.079625	-13171
49166_9166	49166	9166	-65.9715	-459.512	0.998813	-8.14013	-7.58231	13170.99
49166_9167	49166	9167	61.70325	507.3758	-0.99881	8.140125	-4.94419	-19296
49167_9167	49167	9167	-47.6674	-508.886	1.082813	6.906375	6.495563	19295.98
49167_9168	49167	9168	41.7165	559.7117	-1.08281	-6.90638	-20.1298	-25825.8
49168_9168	49168	9168	-2344.92	238.4104	-3.88369	-1.30069	63.07481	6744.226
49168_9169	49168	9169	2344.919	-205.257	3.883688	1.300688	-26.1791	-4636.81
49169_9169	49169	9169	-2344.92	205.2566	-1.41488	3.5805	26.17913	4636.808
49169_9170	49169	9170	2344.922	-180.154	1.414875	-3.5805	-15.2093	-3143.34
49170_9170	49170	9170	-2344.92	180.1538	-4.4415	-0.47513	15.20925	3143.344
49170_9171	49170	9171	2344.918	-155.052	4.4415	0.475125	19.21106	-1844.42
49171_9171	49171	9171	-2344.92	132.6426	1.945125	0.91875	-19.2111	1844.418
49171_9172	49171	9172	2344.922	-106.731	-1.94513	-0.91875	3.646125	-886.925
49172_9172	49172	9172	-2344.92	106.7312	-0.98569	-0.19031	-3.64613	886.9258
49172_9173	49172	9173	2344.922	-80.8185	0.985688	0.190313	11.53031	-136.726
49173_9173	49173	9173	-2344.92	80.8185	1.945125	-0.01969	-11.5303	136.7271
49173_9174	49173	9174	2344.922	-54.9071	-1.94513	0.019688	-4.03331	406.1781
49174_9174	49174	9174	-2344.92	31.67588	1.110375	-0.24413	4.033313	-406.178
49174_9175	49174	9175	2344.922	-12.2417	-1.11038	0.244125	-10.6969	537.9308
49175_9175	49175	9175	-2344.92	12.24169	-2.79825	0.652313	10.69688	-537.931
49175_9176	49175	9176	2344.92	7.1925	2.79825	-0.65231	6.088688	553.0809
49176_9176	49176	9176	-2344.92	-7.1925	1.110375	-0.26906	-6.08869	-553.081
49176_9177	49176	9177	2344.922	26.62538	-1.11038	0.269063	-0.57487	451.6286
49177_9177	49177	9177	-2344.92	-26.6254	1.110375	-0.26906	0.574875	-451.629
49177_9178	49177	9178	2344.922	46.05956	-1.11038	0.269063	-7.23844	233.5725
49178_9178	49178	9178	-2344.92	-69.2068	-2.56069	-0.09844	7.238438	-233.573
49178_9179	49178	9179	2344.92	95.11819	2.560688	0.098437	13.24181	-423.73
49179_9179	49179	9179	-2344.92	-95.1182	0.371438	0.431813	-13.2418	423.7301
49179_9180	49179	9180	2344.922	121.0309	-0.37144	-0.43181	10.27425	-1288.33
49180_9180	49180	9180	-2344.92	-121.031	-2.56069	-1.17863	-10.2743	1288.325

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49180_9181	49180	9181	2344.92	146.9423	2.560688	1.178625	30.7545	-2360.22
49181_9181	49181	9181	-2344.92	-169.177	4.743375	1.224563	-30.7545	2360.216
49181_9182	49181	9182	2344.922	194.2802	-4.74338	-1.22456	-6.00994	-3768.61
49182_9182	49182	9182	-2344.92	-194.28	4.743375	1.224563	6.009938	3768.614
49182_9183	49182	9183	2344.922	219.3818	-4.74338	-1.22456	-42.7731	-5371.55
49183_9183	49183	9183	-2344.93	-219.382	2.275875	-4.42969	42.77306	5371.552
49183_9184	49183	9184	2344.926	252.5355	-2.27588	4.429688	-64.3899	-7765.42
49184_9184	49184	9184	-50.0273	532.9196	-1.51069	-7.62563	8.09025	27435.29
49184_9185	49184	9185	55.97813	-482.093	1.510688	7.625625	10.92656	-21129.1
49185_9185	49185	9185	-69.2711	480.3645	-1.42144	9.02475	-12.5895	21129.11
49185_9186	49185	9186	73.53806	-432.5	1.421438	-9.02475	30.43163	-15379.9
49186_9186	49186	9186	-86.8101	411.2745	1.903125	0.44625	-29.5916	15379.88
49186_9187	49186	9187	89.75794	-362.88	-1.90313	-0.44625	4.324688	-10424.4
49187_9187	49187	9187	-87.0883	246.1134	0.196875	1.52775	-11.6681	-5868
49187_9188	49187	9188	88.3575	-207.451	-0.19688	-1.52775	9.354188	8746.777
49188_9188	49188	9188	-93.0418	182.5596	0.43575	-3.21694	-9.26231	-8746.78
49188_9189	49188	9189	93.34763	-155.678	-0.43575	3.216938	5.666063	9494.114
49189_9189	49189	9189	-95.1103	154.6073	0.366188	3.697313	-5.70281	-9508.22
49189_9190	49189	9190	95.11031	-109.28	-0.36619	-3.69731	0.660188	11322.45
49190_9190	49190	9190	-95.1103	82.53525	-0.02231	-4.90219	-0.66019	-11322.4
49190_9191	49190	9191	95.11031	-46.2735	0.022313	4.902188	0.906938	12030.89
49191_9191	49191	9191	-95.1103	46.2735	-0.10894	6.034875	-0.90694	-12030.9
49191_9192	49191	9192	95.11031	-10.0118	0.108938	-6.03488	2.10525	12340.46
49192_9192	49192	9192	-95.1103	-17.724	0.007875	6.192375	-2.10525	-12340.5
49192_9193	49192	9193	95.11031	50.52469	-0.00788	-6.19238	2.0265	12000.92
49193_9193	49193	9193	-95.1103	-50.5247	0.103688	-5.8695	-2.0265	-12000.9
49193_9194	49193	9194	95.11031	83.32538	-0.10369	5.8695	0.996188	11335.01
49194_9194	49194	9194	-95.1103	-110.59	0.040688	4.843125	-0.99619	-11335
49194_9195	49194	9195	95.11031	143.3906	-0.04069	-4.84313	0.586687	10071.46
49195_9195	49195	9195	-95.1103	-143.391	0.1365	-5.27888	-0.58669	-10071.5
49195_9196	49195	9196	95.11031	176.1585	-0.1365	5.278875	-0.77306	8483.307
49196_9196	49196	9196	-95.1116	-203.888	0.102375	2.139375	0.773062	-8483.31
49196_9197	49196	9197	95.11163	240.1494	-0.10238	-2.13938	-1.89131	6041.112
49197_9197	49197	9197	-95.1103	-240.149	0.187688	-3.35213	1.891313	-6041.11
49197_9198	49197	9198	95.11031	276.4112	-0.18769	3.352125	-3.96113	3200.034
49198_9198	49198	9198	-95.1077	-303.236	-0.294	-1.22063	3.961125	-3200.04
49198_9199	49198	9199	95.10769	348.5961	0.294	1.220625	0.082688	-1323.11
49199_9199	49199	9199	-91.0626	-349.675	-0.22444	-0.35175	-0.08663	1351.296
49199_9200	49199	9200	90.73838	377.6601	0.224438	0.35175	1.9425	-4441.69
49200_9200	49200	9200	-81.6769	-403.379	-0.86625	-2.37038	-2.01863	4441.699
49200_9201	49200	9201	80.33288	443.6132	0.86625	2.370375	12.19706	-9569.31
49201_9201	49201	9201	-75.1131	-450.421	-4.389	-0.63394	2.907188	10304.7
49201_9202	49201	9202	71.85413	503.1823	4.389	0.633938	55.36519	-16658.7
49202_9202	49202	9202	-55.3127	-530.88	3.76425	6.597938	-54.8494	16658.65
49202_9203	49202	9203	50.62313	582.8629	-3.76425	-6.59794	7.6125	-23551.7
49203_9203	49203	9203	-34.4768	-584.04	3.681563	-11.7193	-9.61669	23551.68
49203_9204	49203	9204	27.9825	638.9854	-3.68156	11.71931	-36.7224	-31322.2
49204_9204	49204	9204	-2779.32	262.9161	-17.1964	-4.16456	344.4551	8437.993
49204_9205	49204	9205	2779.32	-226.632	17.19638	4.164563	-181.09	-6029.09
49205_9205	49205	9205	-2779.34	226.632	-14.2708	3.930938	181.0896	5688.392
49205_9206	49205	9206	2779.336	-198.976	14.27081	-3.93094	-70.4904	-4039.16
49206_9206	49206	9206	-2779.34	198.9763	-14.2708	3.930938	70.49044	4039.158
49206_9207	49206	9207	2779.336	-171.321	14.27081	-3.93094	40.10869	-2604.26
49207_9207	49207	9207	-2779.4	145.6731	-4.39294	-1.13794	-40.1087	2604.249
49207_9208	49207	9208	2779.403	-117.126	4.392938	1.137938	75.25088	-1553.05
49208_9208	49208	9208	-2779.41	117.1262	-0.91875	0.80325	-75.2509	1553.051
49208_9209	49208	9209	2779.405	-88.578	0.91875	-0.80325	82.59956	-730.237
49209_9209	49209	9209	-2779.41	88.578	2.555438	1.715438	-82.5996	730.2356

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49209_9210	49209	9210	2779.405	-60.0298	-2.55544	-1.71544	62.15475	-135.804
49210_9210	49210	9210	-2779.36	35.91919	-7.2345	0.023625	-62.1548	135.7965
49210_9211	49210	9211	2779.364	-14.5084	7.2345	-0.02363	105.5618	15.48488
49211_9211	49211	9211	-2779.37	14.50838	-2.60269	-0.00131	-105.562	-15.4849
49211_9212	49211	9212	2779.372	6.90375	2.602688	0.001312	121.1766	38.29875
49212_9212	49212	9212	-2779.37	-6.90375	2.029125	-0.06563	-121.177	-38.2988
49212_9213	49212	9213	2779.372	28.31456	-2.02913	0.065625	108.9992	-67.3575
49213_9213	49213	9213	-2779.37	-28.3146	6.66225	0.045938	-108.999	67.3575
49213_9214	49213	9214	2779.366	49.72669	-6.66225	-0.04594	69.027	-301.488
49214_9214	49214	9214	-2779.45	-73.5079	-8.96831	-3.83513	-69.027	301.5088
49214_9215	49214	9215	2779.45	102.0219	8.968313	3.835125	140.6908	-1002.78
49215_9215	49215	9215	-2779.46	-102.022	-2.05538	-1.34138	-140.691	1002.791
49215_9216	49215	9216	2779.463	130.5714	2.055375	1.341375	157.1391	-1933.24
49216_9216	49216	9216	-2779.46	-130.571	4.891688	3.49125	-157.139	1933.234
49216_9217	49216	9217	2779.459	159.1223	-4.89169	-3.49125	118.0016	-3092.14
49217_9217	49217	9217	-2779.4	-185.479	14.53463	-15.4193	-118.002	3092.396
49217_9218	49217	9218	2779.396	213.1382	-14.5346	15.41925	5.345813	-4637.25
49218_9218	49218	9218	-2779.32	-213.138	25.28925	2.52525	-5.34581	4637.279
49218_9219	49218	9219	2779.319	240.8004	-25.2893	-2.52525	-190.689	-6396.67
49219_9219	49219	9219	-2779.31	-240.8	26.42194	8.3685	190.6892	6737.36
49219_9220	49219	9220	2779.308	277.0924	-26.4219	-8.3685	-441.747	-9197.89
49220_9220	49220	9220	-6.93263	601.2694	-4.221	-38.3565	33.98194	32190.88
49220_9221	49220	9221	13.42556	-546.35	4.221	38.3565	19.12969	-24975.2
49221_9221	49221	9221	-28.6046	545.7677	-3.97556	41.21906	-27.3144	24975.21
49221_9222	49221	9222	33.29419	-493.764	3.975563	-41.2191	77.2275	-18636.3
49222_9222	49222	9222	-48.8513	462.0512	6.342	-1.89919	-73.2362	18638.65
49222_9223	49222	9223	52.11019	-409.304	-6.342	1.899188	-10.9371	-12800.7
49223_9223	49223	9223	-71.7137	286.188	2.277188	-2.31	-42.4817	-2581.36
49223_9224	49223	9224	73.08525	-245.161	-2.27719	2.31	15.71588	5905.184
49224_9224	49224	9224	-78.7329	219.8608	1.098563	14.91131	-15.9574	-5906.14
49224_9225	49224	9225	79.06369	-191.292	-1.09856	-14.9113	6.886688	7376.309
49225_9225	49225	9225	-81.2687	190.3637	1.371563	-10.0065	-6.71344	-7387.65
49225_9226	49225	9226	81.26869	-138.404	-1.37156	10.0065	-13.1552	9768.402
49226_9226	49226	9226	-81.2897	113.5641	0.345188	14.89163	13.15519	-9769.51
49226_9227	49226	9227	81.28969	-72.7663	-0.34519	-14.8916	-17.0835	10828.97
49227_9227	49227	9227	-81.2884	72.76631	0.559125	-13.6434	17.0835	-10829
49227_9228	49227	9228	81.28838	-31.962	-0.55913	13.64344	-23.4478	11424.53
49228_9228	49228	9228	-81.291	7.7595	0.33075	14.29444	23.44781	-11425
49228_9229	49228	9229	81.291	33.01725	-0.33075	-14.2944	-27.2121	11281.47
49229_9229	49229	9229	-81.2897	-33.0173	0.546	-15.4376	27.21206	-11281.5
49229_9230	49229	9230	81.28969	73.79925	-0.546	15.43763	-33.4123	10674.35
49230_9230	49230	9230	-81.2936	-99.0662	2.134125	14.68819	33.41231	-10673.9
49230_9231	49230	9231	81.29363	142.2645	-2.13413	-14.6882	-59.1137	9220.96
49231_9231	49231	9231	-81.2884	-142.265	2.321813	-6.58744	59.11369	-9220.97
49231_9232	49231	9232	81.28838	174.4706	-2.32181	6.587438	-79.9601	8033.304
49232_9232	49232	9232	-80.3093	-174.92	2.626313	-36.2604	79.75931	-8033.22
49232_9233	49232	9233	80.24625	186.1834	-2.62631	36.26044	-87.8417	7388.644
49233_9233	49233	9233	-77.1711	-212.405	-5.69756	5.981063	88.17244	-7388.44
49233_9234	49233	9234	76.49775	247.4246	5.697563	-5.98106	-33.8586	5153.273
49234_9234	49234	9234	-71.9263	-248.796	-5.48363	-7.95506	33.46088	-5153.27
49234_9235	49234	9235	70.89338	276.1697	5.483625	7.955063	7.077	3143.195
49235_9235	49235	9235	-66.6369	-277.232	-5.24081	-17.157	-7.69519	-3143.16
49235_9236	49235	9236	65.16956	304.8163	5.240813	17.157	40.36594	1310.858
49236_9236	49236	9236	-58.2356	-330.306	7.973438	-8.91188	-40.1258	-1310.76
49236_9237	49236	9237	55.08169	374.8592	-7.97344	8.911875	-38.5678	-2202.83
49237_9237	49237	9237	-37.8013	-397.458	7.483875	0.28875	175.3185	5718.032
49237_9238	49237	9238	33.74963	441.5119	-7.48388	-0.28875	-245.481	-9689.15
49238_9238	49238	9238	-20.8661	-474.201	-6.34594	-18.2923	243.9045	9688.036

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49238_9239	49238	9239	15.96263	517.902	6.345938	18.29231	-186.842	-14051.8
49239_9239	49239	9239	-8.78063	-518.075	-6.195	7.464188	190.1511	14051.73
49239_9240	49239	9240	6.296063	537.7457	6.195	-7.46419	-165.719	-16133.4
49240_9240	49240	9240	-2142.24	337.0001	20.73488	19.36594	892.1732	3545.187
49240_9241	49240	9241	2142.238	-309.38	-20.7349	-19.3659	-1023.45	-1498.95
49241_9241	49241	9241	-2139.12	246.6739	-44.793	-0.77438	1023.455	1497.98
49241_9242	49241	9242	2139.115	-232.886	44.793	0.774375	-881.877	-740.106
49242_9242	49242	9242	-2139.2	232.8861	-40.6626	0.654938	881.8766	740.1056
49242_9243	49242	9243	2139.198	-179.82	40.66256	-0.65494	-379.536	1809.146
49243_9243	49243	9243	-2139.3	179.8204	-34.9991	-4.13438	379.5356	-1809.14
49243_9244	49243	9244	2139.298	-141.23	34.99913	4.134375	-65.1013	3251.288
49244_9244	49244	9244	-2138.95	109.1252	-39.8252	8.056125	65.10131	-3250.39
49244_9245	49244	9245	2138.947	-64.2272	39.82519	-8.05613	351.1607	4156.355
49245_9245	49245	9245	-2139.05	64.22719	-33.8809	-3.49256	-351.161	-4156.36
49245_9246	49245	9246	2139.05	-24.8404	33.88088	3.492563	661.836	4564.714
49246_9246	49246	9246	-2139.62	4.01625	-13.0909	8.343563	-661.836	-4563.81
49246_9247	49246	9247	2139.624	41.29388	13.09088	-8.34356	799.9307	4367.194
49247_9247	49247	9247	-2139.66	-41.2939	-5.95481	-6.22256	-799.931	-4367.2
49247_9248	49247	9248	2139.656	80.31713	5.954813	6.222563	854.0333	3814.796
49248_9248	49248	9248	-2139.73	-103.27	1.09725	3.299625	-854.033	-3814.3
49248_9249	49248	9249	2139.732	144.0285	-1.09725	-3.29963	843.6186	2641.034
49249_9249	49249	9249	-2139.72	-144.029	6.3315	-3.1605	-843.619	-2641.03
49249_9250	49249	9250	2139.723	187.5602	-6.3315	3.1605	779.4557	960.7854
49250_9250	49250	9250	-2139.92	-210.07	26.16206	-3.28519	-779.456	-960.696
49250_9251	49250	9251	2139.925	252.4961	-26.1621	3.285188	521.0573	-1323.69
49251_9251	49251	9251	-2139.85	-252.496	31.40681	-0.042	-521.057	1323.697
49251_9252	49251	9252	2139.854	294.3714	-31.4068	0.042	214.8812	-3989.38
49252_9252	49252	9252	-2139.31	-332.417	3.180188	-84.1103	-214.881	3987.888
49252_9253	49252	9253	2139.308	345.9881	-3.18019	84.11025	204.8327	-5059.58
49253_9253	49253	9253	-2139.3	-345.988	7.157063	-74.7049	-204.833	5059.73
49253_9254	49253	9254	2139.299	387.4329	-7.15706	74.70488	136.8321	-8629.08
49254_9254	49254	9254	-6.2475	472.6746	-37.6688	88.83	143.6308	22361.48
49254_9255	49254	9255	13.13419	-414.119	37.66875	-88.83	305.466	-17193.9
49255_9255	49255	9255	-29.0614	358.1891	29.12831	-21.3426	-292.278	17192.14
49255_9256	49255	9256	33.72863	-307.918	-29.1283	21.34256	-18.8606	-13698.1
49256_9256	49256	9256	-40.9421	307.0213	29.3475	25.12125	15.11606	13698.11
49256_9257	49256	9257	44.39663	-256.873	-29.3475	-25.1213	-338.208	-10502.4
49257_9257	49257	9257	-50.3882	221.7088	-12.6893	-13.4531	340.2853	10502.23
49257_9258	49257	9258	51.49856	-200.248	12.68925	13.45313	-279.328	-9550.18
49258_9258	49258	9258	-54.9071	199.3464	-12.5856	-2.88619	278.5269	9550.214
49258_9259	49258	9259	56.22488	-161.459	12.58556	2.886188	-151.317	-7654.26
49259_9259	49259	9259	-59.22	160.3967	-12.4215	13.80225	150.9191	7654.259
49259_9260	49259	9260	59.6295	-135.377	12.4215	-13.8023	-67.3509	-6619.63
49260_9260	49260	9260	-162.464	166.5326	0.334688	31.62075	-10.0314	-6457.65
49260_9261	49260	9261	162.5321	-154.469	-0.33469	-31.6208	8.973562	6717.539
49261_9261	49261	9261	-163.401	153.5468	0.853125	10.56431	-8.79375	-6676.2
49261_9262	49261	9262	163.401	-110.57	-0.85313	-10.5643	-0.98044	8189.749
49262_9262	49262	9262	-163.398	110.5703	1.367625	-15.2631	0.980438	-8189.74
49262_9263	49262	9263	163.3984	-73.5538	-1.36763	15.26306	-14.4874	9098.522
49263_9263	49263	9263	-163.397	44.27325	1.571063	9.757125	14.48738	-9099.15
49263_9264	49263	9264	163.3971	-0.23231	-1.57106	-9.75713	-32.9464	9360.514
49264_9264	49264	9264	-163.393	0.232313	1.866375	-7.14919	32.94638	-9360.52
49264_9265	49264	9265	163.3931	42.19163	-1.86638	7.149188	-54.0671	9123.159
49265_9265	49265	9265	-163.41	-69.4995	1.195688	6.907688	54.06713	-9124.11
49265_9266	49265	9266	163.4102	113.6205	-1.19569	-6.90769	-68.1424	8046.784
49266_9266	49266	9266	-163.408	-113.621	1.47525	-6.80138	68.14238	-8046.78
49266_9267	49266	9267	163.4076	155.9709	-1.47525	6.801375	-84.7967	6524.38
49267_9267	49267	9267	-163.393	-183.431	2.492438	3.402	84.79669	-6525.33

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49267_9268	49267	9268	163.3931	208.5103	-2.49244	-3.402	-101.465	5214.632
49268_9268	49268	9268	-163.392	-208.51	2.584313	0.471188	101.4654	-5214.63
49268_9269	49268	9269	163.3918	233.7444	-2.58431	-0.47119	-118.855	3912.931
49269_9269	49269	9269	-160.433	-235.781	2.842875	-7.65844	118.7681	-3956.4
49269_9270	49269	9270	159.9399	274.9924	-2.84288	7.658438	-146.168	1372.433
49270_9270	49270	9270	-153.194	-304.885	-4.12781	-7.98525	146.0642	-1372.69
49270_9271	49270	9271	151.7237	347.508	4.127813	7.98525	-103.218	-2181.37
49271_9271	49271	9271	-144.729	-350.482	-3.84169	-6.04931	103.2557	2165.208
49271_9272	49271	9272	142.6307	388.9253	3.841688	6.049313	-71.9198	-5230.04
49272_9272	49272	9272	-137.07	-390.924	-3.45581	4.85625	72.64819	5230.029
49272_9273	49272	9273	135.3647	415.6412	3.455813	-4.85625	-54.8139	-7302.14
49273_9273	49273	9273	-124.745	-446.813	9.247875	-34.8219	51.50381	7303.474
49273_9274	49273	9274	119.5898	505.5881	-9.24788	34.82194	-161.915	-13099.7
49274_9274	49274	9274	-105.738	-508.654	9.8595	8.502375	166.4066	13099.64
49274_9275	49274	9275	97.9125	576.5524	-9.8595	-8.50238	-295.988	-19969.9
49275_9275	49275	9275	-2284.82	118.5739	-61.4565	1.557938	1356.008	1679.243
49275_9276	49275	9276	2284.816	-96.222	61.4565	-1.55794	-1055.93	-1154.84
49276_9276	49276	9276	-2284.88	96.222	-58.8236	2.888813	1055.927	1154.84
49276_9277	49276	9277	2284.884	-75.0737	58.82363	-2.88881	-784.177	-759.167
49277_9277	49277	9277	-2284.98	75.07369	-55.0909	-0.70481	784.1768	959.6685
49277_9278	49277	9278	2284.977	-35.8313	55.09088	0.704813	-276.686	-448.854
49278_9278	49278	9278	-3436.91	307.6868	-37.1621	-14.9861	390.2483	9476.15
49278_9279	49278	9279	3436.907	-259.668	37.16213	14.98613	29.99719	-6268.25
49279_9279	49279	9279	-3437.04	259.6676	-22.4438	11.85713	-29.9972	6268.261
49279_9280	49279	9280	3437.036	-210.185	22.44375	-11.8571	291.5286	-3530.75
49280_9280	49280	9280	-3437.61	179.2744	-32.2311	-4.14225	-291.529	3531.423
49280_9281	49280	9281	3437.611	-129.553	32.23106	4.14225	668.9274	-1723.38
49281_9281	49281	9281	-3437.71	129.5529	-18.3921	2.795625	-668.927	1723.387
49281_9282	49281	9282	3437.713	-78.8419	18.39206	-2.79563	888.5704	-479.066
49282_9282	49282	9282	-3437.91	46.75388	-14.7368	-0.59719	-888.57	479.1872
49282_9283	49282	9283	3437.906	1.218	14.73675	0.597188	1071.4	-196.719
49283_9283	49283	9283	-3437.94	-1.218	1.714125	0.343875	-1071.4	196.7188
49283_9284	49283	9284	3437.938	44.66306	-1.71413	-0.34388	1052.143	-454.469
49284_9284	49284	9284	-3436.28	-89.6254	69.909	-2.90588	-1052.14	454.5726
49284_9285	49284	9285	3436.279	128.7851	-69.909	2.905875	344.1493	-1560.54
49285_9285	49285	9285	-3436.06	-128.785	80.07431	1.7115	-344.149	1560.54
49285_9286	49285	9286	3436.057	165.0482	-80.0743	-1.7115	-406.817	-2938.37
49286_9286	49286	9286	-3435.96	-211.1	-13.1237	-45.6159	406.8173	2938.499
49286_9287	49286	9287	3435.964	226.6609	13.12369	45.61594	-354.002	-3819.37
49287_9287	49287	9287	-3435.96	-226.661	-15.0833	-46.4704	354.0023	3517.835
49287_9288	49287	9288	3435.956	266.406	15.08325	46.47038	-210.742	-5918.04
49288_9288	49288	9288	46.1895	1013.419	-30.5983	72.84506	-57.5781	32157.73
49288_9289	49288	9289	-40.5799	-962.128	30.59831	-72.8451	385.686	-21674.6
49289_9289	49289	9289	3.923063	830.2101	24.549	-18.9669	-375.168	21679.81
49289_9290	49289	9290	0.463313	-775.672	-24.549	18.96694	82.971	-11934
49290_9290	49290	9290	-23.8862	775.299	24.70781	13.24444	-84.9923	11933.95
49290_9291	49290	9291	26.45869	-723.848	-24.7078	-13.2444	-201.59	-3097.42
49291_9291	49291	9291	-43.2797	670.5878	-16.1293	8.91975	201.8218	3097.624
49291_9292	49291	9292	43.83225	-652.467	16.12931	-8.91975	-134.908	-276.197
49292_9292	49292	9292	-55.0384	651.6221	-15.9626	5.721188	135.0523	282.7995
49292_9293	49292	9293	55.44656	-621.172	15.96263	-5.72119	-7.16494	5215.711
49293_9293	49293	9293	-63.6326	620.3899	-15.8314	-4.21838	7.242375	-5215.71
49293_9294	49293	9294	63.6405	-590.117	15.83138	4.218375	119.1619	10434.74
49294_9294	49294	9294	-63.4239	537.6039	-1.71019	47.11613	-119.163	-10436.3
49294_9295	49294	9295	63.42394	-522.409	1.710188	-47.1161	126.0171	11787.43
49295_9295	49295	9295	-63.4292	522.4091	-1.49625	7.472063	-126.017	-11787.5
49295_9296	49295	9296	63.42919	-477.741	1.49625	-7.47206	141.2644	16881.36
49296_9296	49296	9296	-63.4331	477.7408	-1.34925	-31.9043	-141.264	-16881.3

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49296_9297	49296	9297	63.43313	-441.509	1.34925	31.90425	152.4088	20678.79
49297_9297	49297	9297	-50.1638	436.8302	1.9635	37.33669	-31.2073	-12973.2
49297_9298	49297	9298	50.16375	-386.687	-1.9635	-37.3367	8.640188	17705.43
49298_9298	49298	9298	-50.1559	386.6874	2.134125	-22.89	-8.64019	-17705.5
49298_9299	49298	9299	50.15588	-340.092	-2.13413	22.89	-14.1514	21586.3
49299_9299	49299	9299	-50.1861	291.1873	0.762563	49.63088	14.15138	-21589.4
49299_9300	49299	9300	50.18606	-244.065	-0.76256	-49.6309	-22.3926	24479.9
49300_9300	49300	9300	-50.1834	244.0646	0.925313	-29.4486	22.39256	-24479.9
49300_9301	49300	9301	50.18344	-188.192	-0.92531	29.44856	-34.2405	27247.68
49301_9301	49301	9301	-50.2268	138.5764	-1.05919	60.63094	34.2405	-27251.2
49301_9302	49301	9302	50.22675	-86.8403	1.059188	-60.6309	-21.6891	28587.67
49302_9302	49302	9302	-50.2307	86.84025	-0.86231	-50.8738	21.68906	-28587.7
49302_9303	49302	9303	50.23069	-35.5504	0.862313	50.87381	-11.5487	29307.08
49303_9303	49303	9303	-50.2176	-13.5096	-0.03413	47.44294	11.54869	-29311.3
49303_9304	49303	9304	50.21756	68.31431	0.034125	-47.4429	-11.1195	28797.42
49304_9304	49304	9304	-50.2176	-68.3143	0.133875	-49.0928	11.1195	-28797.4
49304_9305	49304	9305	50.21756	116.4949	-0.13388	49.09275	-12.6013	27776.99
49305_9305	49305	9305	-50.2254	-164.392	-0.13519	54.85463	12.60131	-27780.5
49305_9306	49305	9306	50.22544	212.6066	0.135188	-54.8546	-11.1129	25697.51
49306_9306	49306	9306	-50.2268	-212.607	0.069563	-49.7582	11.11294	-25697.5
49306_9307	49306	9307	50.22675	267.3746	-0.06956	49.75819	-11.9884	22685.01
49307_9307	49307	9307	-50.2163	-311.006	0.669375	19.89356	11.98838	-22687.9
49307_9308	49307	9308	50.21625	362.8879	-0.66938	-19.8936	-19.9539	18681.23
49308_9308	49308	9308	-50.2149	-362.888	0.799313	-28.3539	19.95394	-18681.2
49308_9309	49308	9309	50.21494	413.9468	-0.79931	28.35394	-29.3108	14135.73
49309_9309	49309	9309	-50.2871	-454.107	-2.76281	5.74875	29.31075	-14137.3
49309_9310	49309	9310	50.28713	506.2181	2.762813	-5.74875	3.689438	8402.34
49310_9310	49310	9310	-50.295	-506.218	-2.59481	-22.302	-3.68944	-8402.31
49310_9311	49310	9311	50.295	557.0644	2.594813	22.302	33.93206	2206.679
49311_9311	49311	9311	-50.0509	-582.188	10.22963	-17.3421	-33.9321	-2206.85
49311_9312	49311	9312	50.05088	596.6625	-10.2296	17.34206	0	251.5774

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95
	Max.	1.31	1.58	1.84	1.84	1.05			0.00	
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1	2	3	4	5	6	7	8	9
1000_1000	1000	1000	-3.24923	125.6078	0.5418	-2.4129	0	-11.2266
1000_1001	1000	1001	162.9936	-112.915	-0.5418	2.4129	-9.22005	1301.438
9000_9000	9000	9000	-4.95338	113.4	0.984375	2.82555	0	-19.1882
9000_9001	9000	9001	77.06475	-107.206	-0.98438	-2.82555	-8.16953	601.6091
9001_9001	9001	9001	-77.0616	107.2055	0.98595	2.6271	8.169525	-601.625
9001_9002	9001	9002	149.8376	-100.567	-0.98595	-2.6271	-16.9328	1189.423
9002_9002	9002	9002	-149.836	94.35038	-0.84263	2.502675	16.93283	-1189.43
9002_9003	9002	9003	235.3397	-85.3319	0.842625	-2.50268	-6.74888	1880.032
9003_9003	9003	9003	-235.348	85.33193	-0.84105	1.7262	6.748875	-1880.05
9003_9004	9003	9004	312.3131	-76.3088	0.84105	-1.7262	3.425625	2501.673
9004_9004	9004	9004	-312.313	63.5544	0.08505	1.986075	-3.42563	-2501.68
9004_9005	9004	9005	368.4902	-54.5391	-0.08505	-1.98608	2.408175	2955.413
9005_9005	9005	9005	-368.492	54.5391	0.08505	0.767025	-2.40818	-2955.42
9005_9006	9005	9006	416.1182	-45.5175	-0.08505	-0.76703	1.371825	3340.088
9006_9006	9006	9006	-416.118	32.75213	0.0693	1.091475	-1.37183	-3340.09
9006_9007	9006	9007	443.0003	-23.7321	-0.0693	-1.09148	0.54495	3557.218
9007_9007	9007	9007	-443	23.7321	0.0693	0.404775	-0.54495	-3557.22
9007_9008	9007	9008	461.2955	-14.7137	-0.0693	-0.40478	-0.29138	3704.989
9008_9008	9008	9008	-461.295	1.48995	-0.00473	-0.05198	0.291375	-3704.99
9008_9009	9008	9009	458.4179	7.533225	0.004725	0.051975	-0.22995	3681.75
9009_9009	9009	9009	-458.418	-7.53323	-0.00473	0.039375	0.22995	-3681.75
9009_9010	9009	9010	446.9614	16.5501	0.004725	-0.03938	-0.1701	3589.216
9010_9010	9010	9010	-446.961	-30.2006	0.130725	0.011025	0.1701	-3589.22
9010_9011	9010	9011	413.9132	39.22223	-0.13073	-0.01103	-1.75455	3322.299
9011_9011	9011	9011	-413.913	-39.2222	0.1323	-1.27418	1.75455	-3322.3
9011_9012	9011	9012	372.2859	48.24225	-0.1323	1.274175	-3.3516	2986.085
9012_9012	9012	9012	-372.286	-61.3982	-0.01418	-0.65048	3.3516	-2986.08
9012_9013	9012	9013	309.5568	70.41668	0.014175	0.650475	-3.1752	2479.445
9013_9013	9013	9013	-309.557	-70.4167	-0.01418	-1.60965	3.1752	-2479.44
9013_9014	9013	9014	238.2597	79.43355	0.014175	1.60965	-3.01298	1903.595
9014_9014	9014	9014	-238.26	-92.1942	-0.13703	-1.28205	3.012975	-1903.59
9014_9015	9014	9015	118.2715	103.7972	0.137025	1.28205	-0.87255	934.4727
9015_9015	9015	9015	-128.522	-103.421	-0.09135	-0.79853	0.571725	-952.844
9015_9016	9015	9016	51.12135	109.5523	0.09135	0.79695	0.184275	382.8416
9016_9016	9016	9016	-48.9715	-120.513	-0.7875	-0.82373	-0.21578	-382.843
9016_9017	9016	9017	-68.4999	129.2319	0.7875	0.7623	9.4689	-615.905
9017_9017	9017	9017	70.77578	-129.027	-0.78593	-0.60165	-9.49883	619.458
9017_9018	9017	9018	-173.381	139.3576	0.785925	0.4977	19.93163	-1861.33
9018_9018	9018	9018	177.1592	-149.705	1.20645	-1.16078	-20.0828	1861.261
9018_9019	9018	9019	-244.969	159.9113	-1.20645	1.352925	4.97385	-3266.94
9019_9019	9019	9019	248.4893	-159.264	1.20645	-0.57488	-4.9077	3266.961
9019_9020	9019	9020	-283.475	169.8323	-1.20645	0.7875	-10.2596	-4855.88
9020_9020	9020	9020	-425.986	45.48758	-2.04435	0.026775	45.3726	550.0303
9020_9021	9020	9021	460.4324	-38.5229	2.04435	-0.02678	-25.9529	-277.873
9021_9021	9021	9021	-437.644	38.3796	-1.42223	0.2772	20.24033	166.8209
9021_9022	9021	9022	462.6074	-32.7285	1.422225	-0.2772	-9.23423	8.478225
9022_9022	9022	9022	-462.598	32.7285	-1.49625	0.2772	9.234225	-8.47508
9022_9023	9022	9023	483.6463	-27.0632	1.49625	-0.2772	2.376675	156.2778
9023_9023	9023	9023	-483.684	20.41515	-0.2331	-0.00473	-2.37668	-156.289
9023_9024	9023	9024	496.3802	-14.5751	0.2331	0.004725	4.241475	245.4527
9024_9024	9024	9024	-496.38	14.57505	-0.2331	-0.00473	-4.24148	-245.453
9024_9025	9024	9025	504.8395	-8.73338	0.2331	0.004725	6.106275	304.8491
9025_9025	9025	9025	-504.841	8.733375	-0.14018	-0.04253	-6.10628	-304.849
9025_9026	9025	9026	509.0589	-2.89328	0.140175	0.042525	7.22925	334.4749
9026_9026	9026	9026	-509.059	-6.05903	-0.14018	-0.03308	-7.22925	-334.475
9026_9027	9026	9027	504.5717	10.43753	0.140175	0.033075	8.07345	302.9654
9027_9027	9027	9027	-504.573	-10.4375	-0.00315	-0.08978	-8.07345	-302.964

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9027_9028	9027	9028	497.6921	14.82233	0.00315	0.089775	8.093925	254.6444
9028_9028	9028	9028	-497.692	-14.8223	-0.01733	-0.08505	-8.09393	-254.644
9028_9029	9028	9029	488.439	19.19925	0.017325	0.08505	8.1963	189.6725
9029_9029	9029	9029	-488.439	-19.1993	-0.00315	-0.0882	-8.1963	-189.673
9029_9030	9029	9030	476.784	23.58405	0.00315	0.0882	8.216775	107.8292
9030_9030	9030	9030	-476.786	-32.645	0.0441	-0.14805	-8.21678	-107.828
9030_9031	9030	9031	450.9871	38.48355	-0.0441	0.14805	7.85925	-73.3289
9031_9031	9031	9031	-450.987	-38.4836	0.0441	-0.14805	-7.85925	73.32885
9031_9032	9031	9032	420.955	44.3205	-0.0441	0.14805	7.501725	-284.22
9032_9032	9032	9032	-420.955	-44.3205	0.14805	-0.10868	-7.50173	284.2214
9032_9033	9032	9033	386.6483	50.16375	-0.14805	0.108675	6.32205	-525.132
9033_9033	9033	9033	-386.629	-57.5379	0.8001	-0.45833	-6.32205	525.1491
9033_9034	9033	9034	344.1706	63.19845	-0.8001	0.458325	0.118125	-823.308
9034_9034	9034	9034	-344.171	-63.1985	0.8001	-0.45833	-0.11813	823.3076
9034_9035	9034	9035	297.7301	68.85743	-0.8001	0.458325	-6.08738	-1149.42
9035_9035	9035	9035	-327.921	-69.1299	1.27575	-0.06458	7.93485	1296.77
9035_9036	9035	9036	268.5674	76.09298	-1.27575	0.064575	-20.0498	-1766.63
9036_9036	9036	9036	349.3476	148.7903	-0.76388	-0.37013	4.4289	6276.673
9036_9037	9036	9037	-349.222	-137.927	0.763875	0.504	5.16915	-4882.94
9037_9037	9037	9037	346.1157	138.2267	-0.75758	1.36395	-5.39123	4882.929
9037_9038	9037	9038	-322.168	-127.673	0.757575	-1.24425	14.88375	-3587.93
9038_9038	9038	9038	318.8808	118.7424	0.278775	-0.03938	-14.6932	3588.037
9038_9039	9038	9039	-267.388	-108.114	-0.27878	0.00315	10.99508	-2492.09
9039_9039	9039	9039	267.5437	108.549	0.2835	0.669375	-11.0093	2477.453
9039_9040	9039	9040	-190.594	-99.7526	-0.2835	-0.69143	7.671825	-1642.18
9040_9040	9040	9040	188.8173	88.98593	0.2961	0.4032	-7.63718	1642.248
9040_9041	9040	9041	-132.083	-82.9616	-0.2961	-0.4095	5.19435	-1170.3
9041_9041	9041	9041	147.5318	82.41818	0.14175	0.278775	-2.48063	1085.385
9041_9042	9041	9042	-34.9193	-71.5223	-0.14175	-0.27878	0.341775	-301.055
9042_9042	9042	9042	34.9209	60.84383	0.014175	0.24885	-0.34178	301.0502
9042_9043	9042	9043	30.11715	-52.2806	-0.01418	-0.24885	0.174825	110.9194
9043_9043	9043	9043	-30.1172	52.28055	0.01575	0.240975	-0.17483	-110.921
9043_9044	9043	9044	85.26105	-43.7236	-0.01575	-0.24098	-0.00315	460.2245
9044_9044	9044	9044	-85.2611	31.86225	0	0.146475	0.00315	-460.229
9044_9045	9044	9045	116.9674	23.3006	0	-0.14648	0.00315	661.0685
9045_9045	9045	9045	-116.967	-23.30055	0	0.096075	-0.00315	-661.07
9045_9046	9045	9046	138.8315	-14.7389	0	-0.09608	-0.00473	799.5566
9046_9046	9046	9046	-138.832	2.726325	0	0.001575	0.004725	-799.558
9046_9047	9046	9047	137.0455	5.8338	0	-0.00158	-0.00945	788.2481
9047_9047	9047	9047	-137.045	-5.8338	0.001575	-0.05828	0.00945	-788.248
9047_9048	9047	9048	125.4236	14.39235	-0.00158	0.058275	-0.02678	714.6326
9048_9048	9048	9048	-125.424	-26.2868	-0.02048	-0.14963	0.026775	-714.629
9048_9049	9048	9049	90.30263	34.8453	0.020475	0.149625	0.22365	492.1576
9049_9049	9049	9049	-90.3026	-34.8453	-0.02048	-0.18585	-0.22365	-492.156
9049_9050	9049	9050	45.35055	43.40228	0.020475	0.18585	0.4599	207.4165
9050_9050	9050	9050	-45.3506	-54.914	-0.07088	-0.25988	-0.4599	-207.413
9050_9051	9050	9051	-43.0542	65.81925	0.070875	0.259875	1.5309	-405.456
9051_9051	9051	9051	40.9185	-66.1217	-0.07875	-0.2961	-1.75455	420.7226
9051_9052	9051	9052	-91.0224	72.08933	0.07875	0.294525	2.40975	-772.755
9052_9052	9052	9052	92.4903	-82.6922	-0.2709	-0.4284	-2.42235	772.7297
9052_9053	9052	9053	-167.704	91.2681	0.2709	0.4032	5.605425	-1440.68
9053_9053	9053	9053	153.2223	-91.9958	-0.36855	-0.53393	-7.65608	1529.804
9053_9054	9053	9054	-207.218	102.1167	0.36855	0.48195	12.54803	-2459.74
9054_9054	9054	9054	210.1601	-111.764	0.716625	-0.97808	-12.6236	2459.672
9054_9055	9054	9055	-243.282	121.7223	-0.71663	1.09935	3.649275	-3540.21
9055_9055	9055	9055	245.9914	-121.544	0.7182	-0.48038	-3.6225	3540.22
9055_9056	9055	9056	-258.284	131.7976	-0.7182	0.615825	-5.39595	-4787.65
9056_9056	9056	9056	-321.761	63.38273	-1.17338	0.3276	21.57593	1011.303

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9056_9057	9056	9057	369.3438	-56.5724	1.173375	-0.3276	-10.4344	-622.81
9057_9057	9057	9057	-366.15	56.55668	-0.94343	0.62685	9.322425	600.1349
9057_9058	9057	9058	401.1005	-51.0001	0.943425	-0.62685	-2.01128	-323.026
9058_9058	9058	9058	-401.11	51.00008	-0.86783	0.70875	2.011275	323.0215
9058_9059	9058	9059	432.4478	-45.4435	0.867825	-0.70875	4.72185	-74.5684
9059_9059	9059	9059	-432.47	38.5497	-0.07875	0.19215	-4.72185	74.55893
9059_9060	9059	9060	456.3799	-32.8214	0.07875	-0.19215	5.356575	115.0144
9060_9060	9060	9060	-456.381	32.82143	-0.00158	0.162225	-5.35658	-115.016
9060_9061	9060	9061	476.4737	-27.0853	0.001575	-0.16223	5.37075	274.3225
9061_9061	9061	9061	-476.474	27.08528	-0.00158	0.162225	-5.37075	-274.322
9061_9062	9061	9062	492.7199	-21.3507	0.001575	-0.16223	5.384925	403.126
9062_9062	9062	9062	-492.718	12.4614	0.020475	0.023625	-5.38493	-403.128
9062_9063	9062	9063	497.9095	-8.15693	-0.02048	-0.02363	5.25735	444.2744
9063_9063	9063	9063	-497.908	8.156925	-0.0819	0.177975	-5.25735	-444.273
9063_9064	9063	9064	500.9288	-3.85875	0.0819	-0.17798	5.7519	468.216
9064_9064	9064	9064	-500.927	3.85875	0.11025	-0.126	-5.7519	-468.216
9064_9065	9064	9065	501.7871	0.43785	-0.11025	0.126	5.08725	475.031
9065_9065	9065	9065	-501.789	-0.43785	0.020475	0.017325	-5.08725	-475.031
9065_9066	9065	9066	500.4846	4.742325	-0.02048	-0.01733	4.96125	464.6912
9066_9066	9066	9066	-500.485	-13.5308	0.058275	-0.0567	-4.96125	-464.691
9066_9067	9066	9067	489.4864	19.2654	-0.05828	0.0567	4.490325	377.4992
9067_9067	9067	9067	-489.485	-19.2654	0.130725	-0.14805	-4.49033	-377.499
9067_9068	9067	9068	474.6436	24.9984	-0.13073	0.14805	3.441375	259.8309
9068_9068	9068	9068	-474.644	-24.9984	0.130725	-0.14805	-3.44138	-259.831
9068_9069	9068	9069	455.9578	30.7314	-0.13073	0.14805	2.392425	111.6833
9069_9069	9069	9069	-455.933	-37.7402	0.893025	-0.55125	-2.39243	-111.674
9069_9070	9069	9070	429.6175	43.2936	-0.89303	0.55125	-4.5297	-96.9696
9070_9070	9070	9070	-429.616	-43.2936	0.89775	-0.54968	4.5297	96.9696
9070_9071	9070	9071	399.6531	48.85335	-0.89775	0.549675	-11.4991	-334.532
9071_9071	9071	9071	-403.858	-48.8849	1.154475	-0.33705	13.25205	362.7824
9071_9072	9071	9072	362.5745	55.6983	-1.15448	0.33705	-24.2156	-700.574
9072_9072	9072	9072	219.3361	141.1232	-0.68985	0.57645	8.556975	4328.211
9072_9073	9072	9073	-195.613	-130.966	0.68985	-0.4473	0.108675	-3014.26
9073_9073	9073	9073	192.6981	130.6683	-0.68355	1.384425	-0.1701	3014.252
9073_9074	9073	9074	-145.155	-120.814	0.68355	-1.26945	8.7381	-1849.06
9074_9074	9074	9074	142.0556	111.0753	0.319725	0.458325	-8.64833	1849.112
9074_9075	9074	9075	-70.5726	-101.05	-0.31973	-0.504	4.398975	-868.064
9075_9075	9075	9075	78.47595	99.71325	0.240975	0.505575	-3.22403	812.5445
9075_9076	9075	9076	12.02198	-91.4697	-0.24098	-0.52763	0.3843	-68.9262
9076_9076	9076	9076	-13.6143	80.82585	0.11655	0.39375	-0.37013	68.93751
9076_9077	9076	9077	72.11925	-75.0582	-0.11655	-0.3969	-0.58433	339.2408
9077_9077	9077	9077	-69.5221	74.99678	0.1638	0.647325	0.82845	-334.985
9077_9078	9077	9078	151.1291	-65.3357	-0.1638	-0.64733	-3.0807	947.0853
9078_9078	9078	9078	-151.129	55.36598	-0.0441	0.669375	3.0807	-947.092
9078_9079	9078	9079	199.8014	-47.5052	0.0441	-0.66938	-2.59245	1312.172
9079_9079	9079	9079	-199.803	47.50515	-0.03938	0.439425	2.59245	-1312.18
9079_9080	9079	9080	241.0679	-39.6365	0.039375	-0.43943	-2.14515	1621.696
9080_9080	9080	9080	-241.07	28.57365	-0.03465	0.335475	2.14515	-1621.7
9080_9081	9080	9081	264.4031	-20.7065	0.03465	-0.33548	-1.76558	1796.719
9081_9081	9081	9081	-264.403	20.70653	-0.03465	0.335475	1.765575	-1796.72
9081_9082	9081	9082	280.2854	-12.8394	0.03465	-0.33548	-1.38443	1915.858
9082_9082	9082	9082	-280.287	1.015875	-0.01733	0.14175	1.384425	-1915.86
9082_9083	9082	9083	277.0157	7.441875	0.017325	-0.14175	-1.1781	1891.323
9083_9083	9083	9083	-277.016	-7.44188	-0.01418	-0.13388	1.1781	-1891.32
9083_9084	9083	9084	265.1465	15.89333	0.014175	0.133875	-1.008	1802.291
9084_9084	9084	9084	-265.145	-15.89333	0.004725	-0.18585	1.008	-1802.29
9084_9085	9084	9085	235.105	35.66115	-0.00473	0.18585	-1.06785	1576.966
9085_9085	9085	9085	-235.105	-35.6612	0.00945	-0.4473	1.06785	-1576.96

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9085_9086	9085	9086	197.62	43.5267	-0.00945	0.4473	-1.16708	1295.8
9086_9086	9086	9086	-197.62	-54.8872	-0.063	-0.47408	1.167075	-1295.8
9086_9087	9086	9087	141.8823	62.75903	0.063	0.474075	-0.45675	877.7302
9087_9087	9087	9087	-141.882	-62.759	-0.05985	-0.61268	0.45675	-877.727
9087_9088	9087	9088	78.75	70.62143	0.05985	0.612675	0.2142	404.1875
9088_9088	9088	9088	-78.75	-81.1661	-0.11025	-0.6867	-0.2142	-404.181
9088_9089	9088	9089	-17.1896	90.45383	0.11025	0.6867	1.674225	-340.666
9089_9089	9089	9089	16.88558	-90.7925	-0.09608	-0.64103	-1.48995	351.8978
9089_9090	9089	9090	-79.0886	96.62468	0.096075	0.63945	2.279025	-911.268
9090_9090	9090	9090	81.00068	-107.084	-0.33705	-0.98753	-2.30265	911.2359
9090_9091	9090	9091	-169.272	115.4759	0.33705	0.9576	6.2622	-1773.59
9091_9091	9091	9091	167.7643	-115.926	-0.41895	-0.41108	-7.89233	1796.499
9091_9092	9091	9092	-235.092	125.8772	0.41895	0.3528	13.45995	-2979.12
9092_9092	9092	9092	238.592	-136.056	0.756	-1.57343	-13.6112	2979.026
9092_9093	9092	9093	-277.491	145.908	-0.756	1.69785	4.13595	-4334.99
9093_9093	9093	9093	280.7674	-146.042	0.767025	0.21735	-3.97058	4335.005
9093_9094	9093	9094	-293.964	156.2117	-0.76703	-0.0756	-5.65898	-5733.11
9094_9094	9094	9094	-362.335	56.49998	-1.17495	0.149625	22.09253	1190.706
9094_9095	9094	9095	403.8804	-49.8929	1.17495	-0.14963	-10.9321	-851.664
9095_9095	9095	9095	-402.984	50.0283	-1.16235	0.502425	12.22515	847.3138
9095_9096	9095	9096	431.9674	-44.6182	1.16235	-0.50243	-3.21458	-596.237
9096_9096	9096	9096	-431.967	44.61818	-1.16708	0.4977	3.214575	596.2367
9096_9097	9096	9097	457.6052	-39.2144	1.167075	-0.4977	5.8212	-374.132
9097_9097	9097	9097	-457.634	32.35365	-0.0126	0.0378	-5.8212	374.1192
9097_9098	9097	9098	476.321	-26.7687	0.0126	-0.0378	5.92515	-212.228
9098_9098	9098	9098	-476.321	26.7687	0.10395	0.089775	-5.92515	212.2265
9098_9099	9098	9099	491.4614	-21.1916	-0.10395	-0.08978	5.091975	-81.0684
9099_9099	9099	9099	-491.461	21.19163	0.108675	0.089775	-5.09198	81.0684
9099_9100	9099	9100	503.0928	-15.6083	-0.10868	-0.08978	4.225725	19.6938
9100_9100	9100	9100	-503.09	6.93315	0.001575	-0.03938	-4.22573	-19.6938
9100_9101	9100	9101	505.3844	-2.74523	-0.00158	0.039375	4.21785	39.5703
9101_9101	9101	9101	-505.384	2.745225	-0.00473	-0.03938	-4.21785	-39.5703
9101_9102	9101	9102	505.6947	1.434825	0.004725	0.039375	4.241475	42.25568
9102_9102	9102	9102	-505.695	-1.43483	0.001575	-0.03938	-4.24148	-42.2557
9102_9103	9102	9103	504.0205	5.62275	-0.00158	0.039375	4.232025	27.76095
9103_9103	9103	9103	-504.02	-5.62275	0.162225	-0.04883	-4.23203	-27.7594
9103_9104	9103	9104	500.3618	9.810675	-0.16223	0.048825	3.25395	-3.9312
9104_9104	9104	9104	-500.365	-18.4779	-0.14175	-0.17168	-3.25395	3.932775
9104_9105	9104	9105	486.9396	24.05498	0.14175	0.171675	4.3911	-120.232
9105_9105	9105	9105	-486.94	-24.055	-0.01733	-0.14175	-4.3911	120.2339
9105_9106	9105	9106	469.9721	29.63678	0.017325	0.14175	4.528125	-267.226
9106_9106	9106	9106	-469.972	-29.6368	-0.02048	-0.14333	-4.52813	267.2255
9106_9107	9106	9107	449.5034	35.21385	0.020475	0.143325	4.695075	-444.547
9107_9107	9107	9107	-449.48	-42.1691	1.066275	-0.5355	-4.69508	444.5595
9107_9108	9107	9108	422.0055	47.5776	-1.06628	0.5355	-3.5721	-682.567
9108_9108	9108	9108	-422.006	-47.5776	1.066275	-0.5355	3.5721	682.5672
9108_9109	9108	9109	391.219	52.98615	-1.06628	0.5355	-11.8409	-949.262
9109_9109	9109	9109	-392.649	-52.8554	1.059975	-0.24255	10.77615	956.1935
9109_9110	9109	9110	348.8972	59.46728	-1.05998	0.24255	-20.853	-1328.07
9110_9110	9110	9110	292.5185	153.9626	-0.75758	0.152775	7.40565	5909.226
9110_9111	9110	9111	-282.516	-143.771	0.757575	-0.01418	2.10735	-4427.12
9111_9111	9111	9111	279.279	143.4368	-0.74813	1.384425	-2.22075	4427.11
9111_9112	9111	9112	-244.56	-133.552	0.748125	-1.26158	11.6046	-3100.44
9112_9112	9112	9112	241.112	123.3855	0.3465	0.30555	-11.4865	3100.523
9112_9113	9112	9113	-179	-113.411	-0.3465	-0.3528	6.88905	-1985.78
9113_9113	9113	9113	181.0447	112.8015	0.28035	0.946575	-5.47155	1959.925
9113_9114	9113	9114	-97.1287	-104.52	-0.28035	-0.97178	2.17035	-1054.17
9114_9114	9114	9114	95.26545	93.95348	0.111825	0.63315	-2.1483	1054.206

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9114_9115	9114	9115	-35.6108	-88.2189	-0.11183	-0.63473	1.2285	-575.903
9115_9115	9115	9115	42.6069	87.31643	0.092925	0.4221	-1.01903	520.1044
9115_9116	9115	9116	61.75103	-77.8743	-0.09293	-0.4221	-0.26145	216.6145
9116_9116	9116	9116	-61.751	67.6368	-0.00158	0.4284	0.26145	-216.619
9116_9117	9116	9117	127.3608	-59.9508	0.001575	-0.4284	-0.25358	647.3833
9117_9117	9117	9117	-127.361	59.9508	0.0063	0.275625	0.253575	-647.39
9117_9118	9117	9118	185.1113	-52.2585	-0.0063	-0.27563	-0.31658	1026.56
9118_9118	9118	9118	-185.111	41.11538	-0.02048	0.373275	0.316575	-1026.56
9118_9119	9118	9119	223.4437	-33.4294	0.020475	-0.37328	-0.09135	1278.234
9119_9119	9119	9119	-223.444	33.42938	-0.01418	0.07245	0.09135	-1278.24
9119_9120	9119	9120	253.8947	-25.7371	0.014175	-0.07245	0.061425	1478.166
9120_9120	9120	9120	-253.896	14.04113	-0.0063	0.187425	-0.06143	-1478.17
9120_9121	9120	9121	264.8489	-5.78498	0.0063	-0.18743	0.12915	1550.08
9121_9121	9121	9121	-264.849	5.784975	0	-0.15278	-0.12915	-1550.08
9121_9122	9121	9122	266.6759	2.47905	0	0.152775	0.124425	1562.083
9122_9122	9122	9122	-266.676	-14.2979	-0.00473	0.07245	-0.12443	-1562.08
9122_9123	9122	9123	248.0011	21.99015	0.004725	-0.07245	0.184275	1439.471
9123_9123	9123	9123	-248.001	-21.9902	0.004725	-0.43155	-0.18428	-1439.47
9123_9124	9123	9124	221.4104	29.68088	-0.00473	0.43155	0.137025	1264.881
9124_9124	9124	9124	-221.41	-40.75	-0.01733	-0.21578	-0.13703	-1264.88
9124_9125	9124	9125	175.5542	48.43598	0.017325	0.215775	0.3276	963.8087
9125_9125	9125	9125	-175.554	-48.436	-0.01103	-0.44258	-0.3276	-963.804
9125_9126	9125	9126	121.7444	56.1267	0.011025	0.442575	0.4473	610.5125
9126_9126	9126	9126	-121.746	-66.1862	-0.1197	-0.38903	-0.4473	-610.511
9126_9127	9126	9127	34.398	75.40628	0.1197	0.389025	2.05065	37.02038
9127_9127	9127	9127	-34.2437	-75.6488	-0.10238	-0.252	-1.84275	-44.4607
9127_9128	9127	9128	-25.9891	81.30308	0.102375	0.250425	2.6901	-356.438
9128_9128	9128	9128	27.57353	-91.9517	-0.2709	-0.39218	-2.70428	356.4288
9128_9129	9128	9129	-118.41	100.0598	0.2709	0.366975	5.888925	-1146.65
9129_9129	9129	9129	105.7313	-101.592	-0.32445	-0.23783	-7.24028	1233.204
9129_9130	9129	9130	-174.208	111.573	0.32445	0.193725	11.5479	-2228.68
9130_9130	9130	9130	177.3387	-121.28	0.8127	-0.6678	-11.6141	2228.666
9130_9131	9130	9131	-220.593	131.1282	-0.8127	0.801675	1.43325	-3398.31
9131_9131	9131	9131	223.4909	-131.602	0.81585	-0.32603	-1.40805	3398.309
9131_9132	9131	9132	-242.53	141.7768	-0.81585	0.477225	-8.84678	-4746.79
9132_9132	9132	9132	-322.751	58.26713	-0.7308	0.2772	16.94858	963.9053
9132_9133	9132	9133	367.6712	-51.5545	0.7308	-0.2772	-10.0013	-593.855
9133_9133	9133	9133	-346.895	51.34658	-0.7308	0.237825	9.073575	492.6521
9133_9134	9133	9134	381.1595	-45.8924	0.7308	-0.23783	-3.40988	-252.91
9134_9134	9134	9134	-381.167	45.89235	-0.66308	0.2772	3.409875	252.9072
9134_9135	9134	9135	411.5869	-40.4381	0.663075	-0.2772	1.7325	-40.0617
9135_9135	9135	9135	-411.582	33.51915	0.036225	0.077175	-1.7325	40.06485
9135_9136	9135	9136	433.9172	-27.8885	-0.03623	-0.07718	1.43955	116.2193
9136_9136	9136	9136	-433.917	27.88853	0.102375	0.05985	-1.43955	-116.219
9136_9137	9136	9137	452.1573	-22.2579	-0.10238	-0.05985	0.6237	243.8447
9137_9137	9137	9137	-452.157	22.2579	0.102375	0.05985	-0.6237	-243.845
9137_9138	9137	9138	466.3024	-16.6273	-0.10238	-0.05985	-0.19058	342.8114
9138_9138	9138	9138	-466.302	7.20405	-0.07403	0.0126	0.190575	-342.811
9138_9139	9138	9139	469.0807	-2.98148	0.074025	-0.0126	0.250425	362.2516
9139_9139	9139	9139	-469.081	2.981475	0.014175	-0.05985	-0.25043	-362.252
9139_9140	9139	9140	469.5563	1.2411	-0.01418	0.05985	0.1701	365.5733
9140_9140	9140	9140	-469.556	-1.2411	0.014175	-0.05985	-0.1701	-365.573
9140_9141	9140	9141	467.7262	5.463675	-0.01418	0.05985	0.089775	352.7748
9141_9141	9141	9141	-467.726	-5.46368	-0.07403	0.011025	-0.08978	-352.775
9141_9142	9141	9142	463.5934	9.68625	0.074025	-0.01103	0.530775	323.8562
9142_9142	9142	9142	-463.593	-18.8969	-0.03938	-0.12443	-0.53078	-323.855
9142_9143	9142	9143	447.7993	24.5259	0.039375	0.124425	0.842625	213.3432
9143_9143	9143	9143	-447.799	-24.5259	-0.10395	-0.09293	-0.84263	-213.345

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9143_9144	9143	9144	427.9086	30.15653	0.10395	0.092925	1.6758	74.17463
9144_9144	9144	9144	-427.909	-30.1565	-0.03938	-0.10395	-1.6758	-74.1731
9144_9145	9144	9145	403.9229	35.78715	0.039375	0.10395	1.98765	-93.6542
9145_9145	9145	9145	-403.918	-42.788	0.562275	-0.31815	-1.98765	93.65738
9145_9146	9145	9146	371.8402	48.24225	-0.56228	0.31815	-2.36723	-318.095
9146_9146	9146	9146	-371.846	-48.2423	0.49455	-0.36698	2.367225	318.0902
9146_9147	9146	9147	335.9255	53.69648	-0.49455	0.366975	-6.20078	-569.424
9147_9147	9147	9147	-355.611	-53.8918	0.596925	-0.25988	6.5898	665.3966
9147_9148	9147	9148	308.5	60.60285	-0.59693	0.259875	-12.263	-1020.8
9148_9148	9148	9148	241.1278	134.9444	-0.50085	0.6552	3.465	4674.038
9148_9149	9148	9149	-227.671	-124.756	0.50085	-0.5607	2.823975	-3424.83
9149_9149	9149	9149	224.921	124.036	-0.50085	0.63	-2.81138	3424.83
9149_9150	9149	9150	-189.38	-114.161	0.50085	-0.54653	9.083025	-2326.42
9150_9150	9150	9150	186.4107	104.747	0.24255	0.4788	-9.0468	2326.414
9150_9151	9150	9151	-127.819	-94.7426	-0.24255	-0.51345	5.8275	-1392.38
9151_9151	9151	9151	143.8007	93.05573	0.193725	0.189	-4.7187	1294.574
9151_9152	9151	9152	-63.1591	-84.5318	-0.19373	-0.2079	2.436525	-628.924
9152_9152	9152	9152	61.69748	73.90058	0.10395	0.21735	-2.43023	628.9227
9152_9153	9152	9153	-7.96005	-67.966	-0.10395	-0.2205	1.573425	-265.617
9153_9153	9153	9153	10.10363	67.2651	0.086625	0.1512	-1.3356	252.2772
9153_9154	9153	9154	76.60643	-57.4119	-0.08663	-0.1512	0.1512	258.0307
9154_9154	9154	9154	-76.6064	47.19488	0.014175	0.1323	-0.1512	-258.031
9154_9155	9154	9155	124.7369	-39.312	-0.01418	-0.1323	-0.00315	541.2913
9155_9155	9155	9155	-124.737	39.312	0.017325	0.099225	0.00315	-541.293
9155_9156	9155	9156	164.0961	-31.4291	-0.01733	-0.09923	-0.19058	772.9297
9156_9156	9156	9156	-164.096	20.8089	-0.00473	0.067725	0.190575	-772.928
9156_9157	9156	9157	181.5203	-13.6427	0.004725	-0.06773	-0.13545	875.4795
9157_9157	9157	9157	-181.52	13.64265	-0.00158	0.0063	0.13545	-875.481
9157_9158	9157	9158	191.6964	-6.4764	0.001575	-0.0063	-0.1134	935.3689
9158_9158	9158	9158	-191.696	-3.78	0.004725	-0.00315	0.1134	-935.367
9158_9159	9158	9159	184.2482	10.94625	-0.00473	0.00315	-0.15435	891.5335
9159_9159	9159	9159	-184.248	-10.9463	0.007875	-0.06458	0.15435	-891.533
9159_9160	9159	9160	169.5503	18.1125	-0.00788	0.064575	-0.22838	805.0345
9160_9160	9160	9160	-169.55	-28.6209	-0.02205	-0.10868	0.228375	-805.034
9160_9161	9160	9161	133.3537	36.49748	0.02205	0.108675	0.0126	592.0016
9161_9161	9161	9161	-133.354	-36.4975	-0.02205	-0.10868	-0.0126	-592.002
9161_9162	9161	9162	88.35435	44.37878	0.02205	0.108675	0.252	327.1748
9162_9162	9162	9162	-88.3544	-54.347	-0.07403	-0.14333	-0.252	-327.173
9162_9163	9162	9163	5.907825	64.20015	0.074025	0.143325	1.280475	-158.05
9163_9163	9163	9163	-6.8733	-64.8758	-0.08663	-0.20318	-1.40333	165.4837
9163_9164	9163	9164	-45.3222	70.80255	0.086625	0.2016	2.112075	-510.281
9164_9164	9164	9164	46.72238	-81.3236	-0.18113	-0.19215	-2.11838	510.2827
9164_9165	9164	9165	-126.402	89.81595	0.181125	0.174825	4.25565	-1145.87
9165_9165	9165	9165	118.5014	-91.1437	-0.20633	-0.33075	-4.77068	1199.476
9165_9166	9165	9166	-180.522	101.5702	0.206325	0.300825	7.504875	-2076.43
9166_9166	9166	9166	183.3773	-111.033	0.401625	-0.58905	-7.55213	2076.428
9166_9167	9166	9167	-222.549	121.3254	-0.40163	0.65835	2.515275	-3121.29
9167_9167	9167	9167	225.2045	-122.059	0.404775	-0.25358	-2.49638	3121.291
9167_9168	9167	9168	-241.602	132.6969	-0.40478	0.33075	-2.59403	-4320.75
9168_9168	9168	9168	-291.203	64.97505	-0.53078	0.288225	11.35733	936.862
9168_9169	9168	9169	344.651	-57.9458	0.530775	-0.28823	-6.31733	-566.78
9169_9169	9169	9169	-326.142	57.7773	-0.39218	0.38745	5.142375	476.5761
9169_9170	9169	9170	366.5639	-52.0601	0.392175	-0.38745	-2.10105	-212.636
9170_9170	9170	9170	-366.556	52.06005	-0.441	0.35595	2.10105	212.6408
9170_9171	9170	9171	402.77	-46.3428	0.441	-0.35595	1.315125	23.82345
9171_9171	9171	9171	-402.776	38.8395	0.02835	0.102375	-1.31513	-23.8266
9171_9172	9171	9172	430.0427	-32.938	-0.02835	-0.10238	1.09305	201.8693
9172_9172	9172	9172	-430.043	32.93798	-0.0189	0.130725	-1.09305	-201.869

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9172_9173	9172	9173	452.8251	-27.0365	0.0189	-0.13073	1.2474	350.6328
9173_9173	9173	9173	-452.825	27.03645	0.02835	0.080325	-1.2474	-350.634
9173_9174	9173	9174	471.125	-21.1349	-0.02835	-0.08033	1.02375	470.1218
9174_9174	9174	9174	-471.125	11.36678	0.02205	-0.02835	-1.02375	-470.122
9174_9175	9174	9175	476.3399	-6.93945	-0.02205	0.02835	0.896175	504.1764
9175_9175	9175	9175	-476.34	6.93945	-0.04095	0.06615	-0.89618	-504.176
9175_9176	9175	9176	479.0331	-2.5137	0.04095	-0.06615	1.145025	521.7629
9176_9176	9176	9176	-479.033	2.5137	0.02205	-0.0315	-1.14503	-521.763
9176_9177	9176	9177	479.2048	1.913625	-0.02205	0.0315	1.01745	522.8795
9177_9177	9177	9177	-479.205	-1.91363	0.02205	-0.0315	-1.01745	-522.88
9177_9178	9177	9178	476.8533	6.339375	-0.02205	0.0315	0.889875	507.528
9178_9178	9178	9178	-476.853	-16.0934	-0.01418	-0.08978	-0.88988	-507.53
9178_9179	9178	9179	462.3854	21.99488	0.014175	0.089775	1.00485	413.0548
9179_9179	9179	9179	-462.385	-21.9949	0.033075	-0.14805	-1.00485	-413.053
9179_9180	9179	9180	443.4318	27.8964	-0.03308	0.14805	0.7434	289.2992
9180_9180	9180	9180	-443.433	-27.8964	-0.01418	-0.1071	-0.7434	-289.299
9180_9181	9180	9181	419.9958	33.79793	0.014175	0.1071	0.858375	136.2674
9181_9181	9181	9181	-419.996	-40.9862	0.4725	-0.35438	-0.85838	-136.266
9181_9182	9181	9182	387.7256	46.70348	-0.4725	0.354375	-2.80193	-74.4487
9182_9182	9182	9182	-387.726	-46.7035	0.4725	-0.35438	2.801925	74.44868
9182_9183	9182	9183	351.2486	52.42073	-0.4725	0.354375	-6.4638	-312.639
9183_9183	9183	9183	-366.69	-52.5373	0.50085	-0.3717	7.4844	387.8028
9183_9184	9183	9184	317.5137	59.56178	-0.50085	0.3717	-12.2472	-738.036
9184_9184	9184	9184	220.3913	134.179	-0.44415	0.46935	3.80835	4089.471
9184_9185	9184	9185	-198.255	-123.619	0.44415	-0.38273	1.76715	-2898.35
9185_9185	9185	9185	195.5835	122.6579	-0.43943	0.738675	-1.78133	2898.344
9185_9186	9185	9186	-149.655	-112.455	0.439425	-0.6615	7.296975	-1845.09
9186_9186	9186	9186	146.7837	102.7735	0.203175	0.29295	-7.24815	1845.097
9186_9187	9186	9187	-77.4333	-92.4305	-0.20318	-0.32288	4.562775	-973.688
9187_9187	9187	9187	83.43248	90.82553	0.181125	0.2331	-4.0698	926.7881
9187_9188	9187	9188	1.182825	-81.9882	-0.18113	-0.25043	1.9467	-244.316
9188_9188	9188	9188	-2.58615	70.79783	0.0819	0.2331	-1.93883	244.3129
9188_9189	9188	9189	56.00385	-64.6049	-0.0819	-0.23468	1.26	114.4301
9189_9189	9189	9189	-56.5346	64.11353	0.074025	0.2079	-1.17023	-122.54
9189_9190	9189	9190	136.4501	-53.7469	-0.07403	-0.2079	0.1512	625.0262
9190_9190	9190	9190	-136.45	43.2432	0.026775	0.13545	-0.1512	-625.028
9190_9191	9190	9191	178.8649	-34.9493	-0.02678	-0.13545	-0.1512	891.7162
9191_9191	9191	9191	-178.865	34.94925	0.023625	0.1953	0.1512	-891.715
9191_9192	9191	9192	212.2832	-26.6569	-0.02363	-0.1953	-0.41738	1101.834
9192_9192	9192	9192	-212.283	15.82403	-0.00788	0.08505	0.417375	-1101.84
9192_9193	9192	9193	224.1304	-8.3223	0.007875	-0.08505	-0.3339	1176.333
9193_9193	9193	9193	-224.13	8.3223	-0.00473	-0.00473	0.3339	-1176.33
9193_9194	9193	9194	228.6176	-0.82215	0.004725	0.004725	-0.28665	1204.544
9194_9194	9194	9194	-228.618	-9.73508	-0.0315	-0.02205	0.28665	-1204.55
9194_9195	9194	9195	215.3844	17.2368	0.0315	0.02205	0.020475	1121.34
9195_9195	9195	9195	-215.384	-17.2368	-0.02678	-0.1071	-0.02048	-1121.34
9195_9196	9195	9196	194.8133	24.73065	0.026775	0.1071	0.291375	991.9964
9196_9196	9196	9196	-194.815	-35.5966	-0.04253	-0.1575	-0.29138	-992.011
9196_9197	9196	9197	151.6977	43.88895	0.042525	0.1575	0.754425	720.9106
9197_9197	9197	9197	-151.698	-43.889	-0.03938	-0.20633	-0.75443	-720.907
9197_9198	9197	9198	99.5841	52.1829	0.039375	0.206325	1.1844	393.2381
9198_9198	9198	9198	-99.581	-62.5968	-0.09765	-0.2331	-1.1844	-393.244
9198_9199	9198	9199	7.593075	72.96975	0.09765	0.2331	2.521575	-190.699
9199_9199	9199	9199	-7.29068	-73.6549	-0.10238	-0.2835	-2.72318	194.717
9199_9200	9199	9200	-51.1371	79.85565	0.102375	0.281925	3.5658	-590.608
9200_9200	9200	9200	52.72313	-90.7814	-0.24413	-0.3843	-3.57683	590.5963
9200_9201	9200	9201	-140.585	99.58568	0.244125	0.357525	6.446475	-1308.33
9201_9201	9201	9201	125.7449	-101.347	-0.37013	-0.3969	-9.82485	1407.758

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9201_9202	9201	9202	-191.903	112.1888	0.370125	0.33705	14.74515	-2390.4
9202_9202	9202	9202	195.0197	-122.259	0.694575	-0.49613	-14.8019	2390.372
9202_9203	9202	9203	-236.976	132.9363	-0.69458	0.63315	6.0984	-3528.56
9203_9203	9203	9203	239.8772	-133.695	0.68985	-0.9072	-6.16455	3528.549
9203_9204	9203	9204	-258.158	144.7551	-0.68985	1.0584	-2.50268	-4850.54
9204_9204	9204	9204	-324.872	66.9942	-0.9135	0.590625	18.24795	1074.612
9204_9205	9204	9205	377.3684	-59.5712	0.9135	-0.59063	-9.5634	-679.203
9205_9205	9205	9205	-363.211	59.44365	-0.76388	0.716625	8.648325	564.584
9205_9206	9205	9206	402.5133	-53.4004	0.763875	-0.71663	-2.72475	-284.53
9206_9206	9206	9206	-402.513	53.40038	-0.76388	0.716625	2.72475	284.5301
9206_9207	9206	9207	437.6075	-47.3571	0.763875	-0.71663	3.198825	-34.4705
9207_9207	9207	9207	-437.634	39.56085	-0.16065	0.266175	-3.19883	34.45313
9207_9208	9207	9208	463.8391	-33.3239	0.16065	-0.26618	4.487175	152.2663
9208_9208	9208	9208	-463.841	33.32385	-0.08663	0.244125	-4.48718	-152.269
9208_9209	9208	9209	485.5599	-27.0853	0.086625	-0.24413	5.183325	307.0274
9209_9209	9209	9209	-485.561	27.08528	-0.0126	0.19845	-5.18333	-307.031
9209_9210	9209	9210	502.7951	-20.8483	0.0126	-0.19845	5.2857	429.827
9210_9210	9210	9210	-502.79	10.70843	-0.09608	0.184275	-5.2857	-429.829
9210_9211	9210	9211	507.3044	-6.03068	0.096075	-0.18428	5.8653	461.9916
9211_9211	9211	9211	-507.306	6.030675	0.001575	0.096075	-5.8653	-461.993
9211_9212	9211	9212	509.2967	-1.35135	-0.00158	-0.09608	5.851125	476.1792
9212_9212	9212	9212	-509.297	1.35135	0.1008	0.00315	-5.85113	-476.179
9212_9213	9212	9213	508.7628	3.3264	-0.1008	-0.00315	5.24475	472.385
9213_9213	9213	9213	-508.761	-3.3264	0.200025	-0.0882	-5.24475	-472.385
9213_9214	9213	9214	505.7057	8.005725	-0.20003	0.0882	4.0446	450.6122
9214_9214	9214	9214	-505.715	-18.1109	-0.03308	-0.07718	-4.0446	-450.614
9214_9215	9214	9215	490.4708	24.34163	0.033075	0.077175	4.304475	341.9845
9215_9215	9215	9215	-490.469	-24.3416	0.114975	-0.1764	-4.30448	-341.983
9215_9216	9215	9216	470.7203	30.5802	-0.11498	0.1764	3.384675	201.2693
9216_9216	9216	9216	-470.717	-30.5802	0.263025	-0.23468	-3.38468	-201.265
9216_9217	9216	9217	446.481	36.81878	-0.26303	0.234675	1.277325	28.57838
9217_9217	9217	9217	-446.434	-44.3457	0.807975	-0.81113	-1.27733	-28.5217
9217_9218	9217	9218	413.4328	50.38898	-0.80798	0.811125	-4.9833	-206.624
9218_9218	9218	9218	-413.403	-50.389	1.037925	-0.7182	4.9833	206.6495
9218_9219	9218	9219	376.1888	56.43383	-1.03793	0.7182	-13.0253	-471.82
9219_9219	9219	9219	-386.718	-56.511	1.09305	-0.60323	13.40325	570.0004
9219_9220	9219	9220	336.1916	63.93083	-1.09305	0.603225	-23.7841	-933.926
9220_9220	9220	9220	260.7838	141.6744	-0.66308	0.34335	6.09525	4662.619
9220_9221	9220	9221	-242.142	-130.654	0.663075	-0.19373	2.219175	-3388.86
9221_9221	9221	9221	239.285	130.1029	-0.64733	1.847475	-2.34833	3388.838
9221_9222	9221	9222	-197.17	-119.461	0.647325	-1.71675	10.45958	-2291.89
9222_9222	9222	9222	194.2511	107.9174	0.4284	0.127575	-10.2989	2292.33
9222_9223	9222	9223	-130.286	-97.1114	-0.4284	-0.19845	4.619475	-1349.02
9223_9223	9223	9223	144.6149	95.59305	0.2961	0.7182	-3.04133	1254.863
9223_9224	9223	9224	-60.1713	-86.2376	-0.2961	-0.7497	-0.43628	-597.321
9224_9224	9224	9224	58.61205	74.9259	0.045675	0.256725	0.458325	597.5055
9224_9225	9224	9225	-3.64928	-68.3298	-0.04568	-0.25673	-0.83948	-223.064
9225_9225	9225	9225	0.259875	68.2101	0.061425	0.458325	0.9198	237.0438
9225_9226	9225	9226	82.19138	-56.5283	-0.06143	-0.45833	-1.8144	336.4373
9226_9226	9226	9226	-82.1977	45.57578	0.033075	0.313425	1.8144	-336.45
9226_9227	9226	9227	124.7447	-36.403	-0.03308	-0.31343	-2.1987	632.3814
9227_9227	9227	9227	-124.745	36.40298	0.042525	0.09135	2.1987	-632.386
9227_9228	9227	9228	157.7741	-27.2286	-0.04253	-0.09135	-2.68538	862.1172
9228_9228	9228	9228	-157.782	16.8084	-0.02835	0.105525	2.685375	-862.144
9228_9229	9228	9229	170.4638	-7.64033	0.02835	-0.10553	-2.36408	950.3519
9229_9229	9229	9229	-170.464	7.640325	-0.0189	-0.22838	2.364075	-950.35
9229_9230	9229	9230	173.6343	1.529325	0.0189	0.228375	-2.14358	972.4003
9230_9230	9230	9230	-173.634	-12.5575	0.061425	-0.17955	2.143575	-972.369

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9230_9231	9230	9231	154.4949	22.2705	-0.06143	0.17955	-2.8854	839.2451
9231_9231	9231	9231	-154.492	-22.2705	0.0693	-0.43628	2.8854	-839.24
9231_9232	9231	9232	133.2781	29.51078	-0.0693	0.436275	-3.51068	712.4322
9232_9232	9232	9232	-132.257	-29.9455	0.133875	-0.59378	5.72985	-716.876
9232_9233	9232	9233	123.2768	32.4261	-0.13388	0.59535	-6.1425	654.5162
9233_9233	9233	9233	-122.735	-44.4528	-1.15763	-0.5103	6.134625	-654.51
9233_9234	9233	9234	79.87613	52.09785	1.157625	0.452025	4.90455	357.6299
9234_9234	9234	9234	-79.1548	-53.1626	-1.14345	-0.48038	-4.92345	-357.615
9234_9235	9234	9235	43.55505	59.05778	1.14345	0.39375	13.3749	88.47103
9235_9235	9235	9235	-43.9189	-60.4139	-1.73565	-1.42065	-20.664	-82.0372
9235_9236	9235	9236	19.04018	65.54048	1.73565	1.3041	31.48268	-195.489
9236_9236	9236	9236	-17.9093	-72.5209	0.956025	-0.9765	-31.5189	195.4857
9236_9237	9236	9237	-20.3931	80.71088	-0.95603	1.1025	22.0941	-737.645
9237_9237	9237	9237	21.7728	-81.5078	0.9891	-0.12285	-22.0595	737.688
9237_9238	9237	9238	-50.7512	89.74035	-0.9891	0.2709	12.79845	-1327.86
9238_9238	9238	9238	53.6886	-108.741	1.904175	-3.22088	-13.1922	1327.325
9238_9239	9238	9239	-81.122	116.7327	-1.90418	3.523275	-3.89813	-2084.94
9239_9239	9239	9239	82.4418	-117.191	1.9215	-2.77673	3.95955	2084.966
9239_9240	9239	9240	-91.9454	120.7285	-1.9215	2.9169	-11.5211	-2416.63
9240_9240	9240	9240	-317.596	91.36575	1.0395	6.2937	26.54505	351.7448
9240_9241	9240	9241	360.527	-85.973	-1.0395	-6.2937	-33.127	37.92915
9241_9241	9241	9241	-360.187	62.49128	-1.25843	0.322875	33.12698	-39.3057
9241_9242	9241	9242	374.9666	-59.798	1.258425	-0.32288	-29.1517	173.45
9242_9242	9242	9242	-371.497	59.75078	-1.04265	0.29295	27.51525	-190.229
9242_9243	9242	9243	423.6435	-49.2361	1.04265	-0.29295	-14.6349	654.8378
9243_9243	9243	9243	-423.655	49.23608	-0.8442	-0.05198	14.6349	-654.839
9243_9244	9243	9244	455.2585	-41.5895	0.8442	0.051975	-7.04813	936.4084
9244_9244	9244	9244	-455.035	27.34673	-1.64745	1.3797	7.048125	-936.01
9244_9245	9244	9245	473.5742	-18.4496	1.64745	-1.3797	10.16663	1101.191
9245_9245	9245	9245	-473.596	18.44955	-1.43955	0.770175	-10.1666	-1101.21
9245_9246	9245	9246	483.9298	-10.6454	1.43955	-0.77018	23.36355	1193.272
9246_9246	9246	9246	-484.103	3.743775	-0.12758	0.956025	-23.3636	-1193.12
9246_9247	9246	9247	483.4935	5.233725	0.127575	-0.95603	24.70703	1187.698
9247_9247	9247	9247	-483.495	-5.23373	0.12285	0.16695	-24.707	-1187.71
9247_9248	9247	9248	477.0911	12.96698	-0.12285	-0.16695	23.59665	1130.65
9248_9248	9248	9248	-477.088	-21.9618	0.32445	0.108675	-23.5967	-1130.59
9248_9249	9248	9249	457.9785	30.0384	-0.32445	-0.10868	20.51123	960.3311
9249_9249	9249	9249	-457.974	-30.0384	0.508725	-0.3591	-20.5112	-960.329
9249_9250	9249	9250	431.0066	38.6631	-0.50873	0.3591	15.36098	720.068
9250_9250	9250	9250	-431.104	-46.505	1.9404	-0.90405	-15.361	-720.057
9250_9251	9250	9251	392.3073	54.9108	-1.9404	0.90405	-3.81308	374.3964
9251_9251	9251	9251	-392.282	-54.9108	2.124675	-1.08675	3.813075	-374.384
9251_9252	9251	9252	347.6828	63.20948	-2.12468	1.08675	-24.5259	-22.9871
9252_9252	9252	9252	-347.417	-78.4271	-1.78605	-7.34738	24.5259	22.46265
9252_9253	9252	9253	327.893	81.11723	1.78605	7.347375	-18.8811	-196.407
9253_9253	9253	9253	-329.032	-81.0952	-1.5939	-7.36785	18.26528	201.9323
9253_9254	9253	9254	266.1089	89.17965	1.5939	7.36785	-3.12323	-766.678
9254_9254	9254	9254	134.4231	123.7556	-4.14698	8.834175	1.60335	2991.461
9254_9255	9254	9255	-104.652	-113.036	4.146975	-7.91123	47.73195	-1922.59
9255_9255	9255	9255	99.8991	83.12535	2.2932	-1.04423	-46.5649	1921.954
9255_9256	9255	9256	-76.9624	-73.6454	-2.2932	0.6363	22.09883	-1306.17
9256_9256	9256	9256	75.6063	73.19183	2.313675	0.7749	-22.1713	1306.139
9256_9257	9256	9257	-43.5062	-63.5891	-2.31368	-1.11983	-3.28073	-757.456
9257_9257	9257	9257	42.14543	49.74953	-0.28508	1.248975	3.2886	757.4431
9257_9258	9257	9258	-30.2873	-45.6026	0.285075	-1.23323	-1.91835	-588.77
9258_9258	9258	9258	40.8996	44.49848	-0.17798	0.641025	1.248975	526.6505
9258_9259	9258	9259	-10.4769	-35.9998	0.177975	-0.6237	0.549675	-259.501
9259_9259	9259	9259	9.96975	35.5635	-0.16853	0.688275	-0.53393	259.4816

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9259_9260	9259	9260	9.0972	-29.914	0.168525	-0.68198	1.664775	-112.116
9260_9260	9260	9260	-9.3744	19.93478	0.17325	0.3024	-1.6506	112.1243
9260_9261	9260	9261	14.67428	-17.1659	-0.17325	-0.30398	1.104075	-69.53
9261_9261	9261	9261	-13.6238	16.95015	0.140175	0.35595	-0.83475	67.54545
9261_9262	9261	9262	26.59073	-6.94575	-0.14018	-0.35595	-0.76703	14.238
9262_9262	9262	9262	-26.5892	6.94575	0.14805	0.351225	0.767025	-14.249
9262_9263	9262	9263	29.05403	1.67265	-0.14805	-0.35123	-2.23335	29.7927
9263_9263	9263	9263	-29.0603	-14.1057	0.007875	-0.0126	2.23335	-29.7644
9263_9264	9263	9264	7.67025	24.35895	-0.00788	0.0126	-2.32155	-105.142
9264_9264	9264	9264	-7.67025	-24.359	0.0126	0.007875	2.32155	105.1423
9264_9265	9264	9265	-23.7179	34.23578	-0.0126	-0.00788	-2.4633	-303.101
9265_9265	9265	9265	23.72738	-46.3664	-0.00945	-0.34965	2.4633	303.1875
9265_9266	9265	9266	-81.1109	56.63858	0.00945	0.34965	-2.35778	-665.105
9266_9266	9266	9266	81.11093	-56.6386	-0.00473	-0.22995	2.357775	665.1099
9266_9267	9266	9267	-146.959	66.49808	0.004725	0.22995	-2.3121	-1080.4
9267_9267	9267	9267	146.9412	-78.6492	-0.252	-0.77963	2.3121	1080.661
9267_9268	9267	9268	-198.601	84.48773	0.252	0.779625	-0.63158	-1406.48
9268_9268	9268	9268	198.6012	-84.4877	-0.25043	-0.69615	0.631575	1406.48
9268_9269	9268	9269	-254.311	90.36248	0.250425	0.69615	1.04895	-1880.88
9269_9269	9269	9269	235.9571	-90.4192	-0.3339	-0.51975	-1.4364	2049.727
9269_9270	9269	9270	-306.745	98.87693	0.3339	0.508725	4.657275	-2621.28
9270_9270	9270	9270	308.752	-109.766	-0.64418	-1.87583	-4.72973	2622.037
9270_9271	9270	9271	-376.638	119.048	0.644175	1.819125	11.42033	-3476.25
9271_9271	9271	9271	328.4159	-120.292	-0.9828	-1.83645	-17.6069	3787.159
9271_9272	9271	9272	-358.498	127.9688	0.9828	1.749825	25.62525	-4546.86
9272_9272	9272	9272	359.9726	-127.54	-0.9702	0.69615	-25.4977	4546.886
9272_9273	9272	9273	-371.917	132.5189	0.9702	-0.76073	30.49673	-5085.55
9273_9273	9273	9273	375.2469	-144.913	1.781325	-4.8699	-31.0448	5086.596
9273_9274	9273	9274	-392.304	156.7393	-1.78133	5.195925	9.8091	-6550.26
9274_9274	9274	9274	395.8133	-156.432	1.803375	-0.19215	-9.3807	6550.332
9274_9275	9274	9275	-391.663	169.8008	-1.80338	0.60795	-14.2727	-8253.42
9275_9275	9275	9275	-317.648	103.0964	-2.51685	0.84735	58.95698	2613.294
9275_9276	9275	9276	355.5594	-98.7714	2.51685	-0.84735	-46.6704	-2217.54
9276_9276	9276	9276	-355.574	98.7714	-2.37195	1.37025	46.6704	2217.529
9276_9277	9276	9277	389.9495	-94.6811	2.37195	-1.37025	-35.7131	-1905.16
9277_9277	9277	9277	-362.653	94.50945	-1.96718	1.976625	32.4135	1807.238
9277_9278	9277	9278	428.5969	-86.3683	1.967175	-1.97663	-14.2979	-1237.91
9278_9278	9278	9278	-428.51	79.74855	-1.40963	0	14.29785	1238.345
9278_9279	9278	9279	495.3296	-69.5536	1.409625	0	1.633275	-661.453
9279_9279	9279	9279	-495.355	69.55358	-0.92138	0.5355	-1.63328	661.4465
9279_9280	9279	9280	554.6615	-59.0468	0.921375	-0.5355	12.3669	-149.408
9280_9280	9280	9280	-554.811	45.06075	-1.62383	0.35595	-12.3669	149.4376
9280_9281	9280	9281	591.6818	-34.5035	1.623825	-0.35595	31.38818	168.8936
9281_9281	9281	9281	-591.71	34.50353	-1.1655	0.228375	-31.3882	-168.9
9281_9282	9281	9282	619.2365	-23.7368	1.1655	-0.22838	45.31118	406.5516
9282_9282	9282	9282	-653.998	7.76475	1.838025	0.354375	-85.3004	-246.456
9282_9283	9282	9283	656.8569	0.952875	-1.83803	-0.35438	62.49758	277.2756
9283_9283	9283	9283	-656.824	-0.95288	2.86335	-0.01418	-62.4976	-277.279
9283_9284	9283	9284	653.0974	8.849925	-2.86335	0.014175	30.32033	237.1084
9284_9284	9284	9284	-653.115	-24.1227	2.8287	0.083475	-30.3203	-237.127
9284_9285	9284	9285	634.1501	31.24013	-2.8287	-0.08348	1.6758	32.64188
9285_9285	9285	9285	-634.123	-31.2401	3.463425	0.0567	-1.6758	-32.6419
9285_9286	9285	9286	612.2135	37.8315	-3.46343	-0.0567	-30.7991	-203.603
9286_9286	9286	9286	-612.221	-57.5222	-3.7296	-6.6024	30.79913	203.6696
9286_9287	9286	9287	596.1769	60.34928	3.7296	6.6024	-15.7925	-376.672
9287_9287	9287	9287	-615.557	-60.4501	-4.032	-7.40408	16.53593	417.1293
9287_9288	9287	9288	575.7602	67.13595	4.032	7.404075	21.76335	-884.701
9288_9288	9288	9288	239.1685	263.3762	-8.0577	12.07395	-51.3025	6029.289

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9288_9289	9288	9289	-182.725	-254.889	8.0577	-11.003	137.5826	-3783.14
9289_9289	9289	9289	174.5242	205.169	5.7519	-2.60505	-135.563	3785.046
9289_9290	9289	9290	-101.745	-196.081	-5.7519	1.897875	67.16273	-1910.06
9290_9290	9290	9290	96.82155	196.004	5.769225	1.223775	-67.2698	1910.034
9290_9291	9290	9291	2.51685	-187.423	-5.76923	-1.69628	0.3717	-177.915
9291_9291	9291	9291	-6.5709	167.2713	-0.52133	1.7325	-0.3339	177.9088
9291_9292	9291	9292	42.41318	-164.258	0.521325	-1.72305	2.49795	393.9955
9292_9292	9292	9292	-47.8422	162.5479	-0.34178	0.918225	-1.67423	-369.067
9292_9293	9292	9293	129.4839	-156.876	0.341775	-0.91193	4.41315	1215.272
9293_9293	9293	9293	-131.147	156.2841	-0.33075	0.48825	-4.39583	-1215.28
9293_9294	9293	9294	208.8907	-150.65	0.33075	-0.48825	7.04025	2071.423
9294_9294	9294	9294	-208.965	128.372	-0.37013	3.233475	-7.04025	-2071.84
9294_9295	9294	9295	241.2302	-125.546	0.370125	-3.23348	8.5239	2427.404
9295_9295	9295	9295	-210.355	126.5717	-0.54338	2.82555	-13.1292	-2601.68
9295_9296	9295	9296	277.7308	-119.328	0.543375	-2.82555	18.66533	3534.039
9296_9296	9296	9296	-277.734	119.3283	-0.52448	0.348075	-18.6653	-3534.05
9296_9297	9296	9297	329.468	-113.454	0.524475	-0.34808	23.00288	4249.952
9297_9297	9297	9297	-329.449	93.5361	0.505575	4.723425	-23.0029	-4250.59
9297_9298	9297	9298	384.7095	-85.2248	-0.50558	-4.72343	17.1864	5015.315
9298_9298	9298	9298	-384.706	85.22483	0.53235	-0.40635	-17.1864	-5015.34
9298_9299	9298	9299	431.4524	-77.5026	-0.53235	0.40635	11.49593	5662.227
9299_9299	9299	9299	-431.528	55.79595	0.24255	5.010075	-11.4959	-5663.03
9299_9300	9299	9300	461.6782	-47.9855	-0.24255	-5.01008	8.8767	6080.262
9300_9300	9300	9300	-461.677	47.98553	0.26775	-0.89618	-8.8767	-6080.28
9300_9301	9300	9301	491.5465	-38.7261	-0.26775	0.896175	5.441625	6493.619
9301_9301	9301	9301	-491.606	16.01145	0.215775	4.977	-5.44163	-6494.43
9301_9302	9301	9302	499.086	-7.43715	-0.21578	-4.977	2.8854	6597.927
9302_9302	9302	9302	-499.084	7.43715	0.247275	-2.76098	-2.8854	-6597.94
9302_9303	9302	9303	501.0989	1.0647	-0.24728	2.760975	-0.0126	6625.828
9303_9303	9303	9303	-501.174	-22.9777	0.09135	3.1815	0.0126	-6626.74
9303_9304	9303	9304	482.5769	32.0607	-0.09135	-3.1815	-1.16708	6369.39
9304_9304	9304	9304	-482.577	-32.0607	0.118125	-3.2382	1.167075	-6369.39
9304_9305	9304	9305	461.1569	40.04753	-0.11813	3.2382	-2.4759	6072.984
9305_9305	9305	9305	-461.218	-61.6376	-0.02835	2.77515	2.4759	-6073.7
9305_9306	9305	9306	422.2008	69.6276	0.02835	-2.77515	-2.1546	5533.759
9306_9306	9306	9306	-422.201	-69.6276	0.00315	-3.99735	2.1546	-5533.75
9306_9307	9306	9307	372.1158	78.70433	-0.00315	3.99735	-2.19398	4840.666
9307_9307	9307	9307	-372.201	-98.2312	-0.7182	-0.31343	2.193975	-4841.22
9307_9308	9307	9308	306.6116	106.8307	0.7182	0.313425	6.3441	3933.559
9308_9308	9308	9308	-306.615	-106.831	-0.69773	-3.36893	-6.3441	-3933.54
9308_9309	9308	9309	236.6942	115.2932	0.697725	3.368925	14.50733	2965.958
9309_9309	9309	9309	-236.748	-133.744	-1.17495	-2.37353	-14.5073	-2966.2
9309_9310	9309	9310	148.0374	142.3816	1.17495	2.373525	28.54373	1738.572
9310_9310	9310	9310	-148.045	-142.382	-1.14818	-4.11863	-28.5437	-1738.54
9310_9311	9310	9311	56.1393	150.8078	1.148175	4.118625	41.92808	466.7056
9311_9311	9311	9311	-55.3565	-159.237	12.63938	-6.00075	-41.9281	-466.556
9311_9312	9311	9312	26.7246	161.6375	-12.6394	6.00075	0	70.34423
9400_9020	9400	9020	766.6927	-100.499	46.4814	1.296225	-272.708	-1919.17
9400_9401	9400	9401	-766.693	100.4992	-46.4814	-1.29623	82.57725	1470.45
9401_9401	9401	9401	766.5903	-99.1463	8.503425	0.420525	-79.0398	-1470.5
9401_9402	9401	9402	-766.59	99.14625	-8.50343	-0.42053	49.35578	1124.418
9402_9402	9402	9402	768.7843	-80.5282	7.0182	-0.6237	-49.9889	-1124.39
9402_9403	9402	9403	-768.784	80.52818	-7.0182	0.6237	-26.638	245.1551
9403_9403	9403	9403	785.7628	-56.5976	-1.47893	-0.14175	28.9737	-245.147
9403_9404	9403	9404	-785.763	56.59763	1.478925	0.14175	-18.3141	-162.931
9404_9404	9404	9404	786.8669	-38.2977	-1.94198	-0.46935	18.3393	162.9275
9404_9405	9404	9405	-786.867	38.2977	1.941975	0.46935	-4.33598	-439.184
9405_9405	9405	9405	797.7029	-10.3052	-0.57803	-0.15435	7.800975	439.1903

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9405_9406	9405	9406	-797.703	10.30523	0.578025	0.15435	0.5229	-587.703
9406_9406	9406	9406	802.2893	18.2385	-0.0441	-0.16223	3.501225	587.705
9406_9407	9406	9407	-802.289	-18.2385	0.0441	0.162225	-3.11063	-426.233
9407_9407	9407	9407	801.7459	34.69253	-0.57488	0.0504	3.233475	426.2312
9407_9408	9407	9408	-801.746	-34.6925	0.574875	-0.0504	-0.0378	-233.428
9408_9408	9408	9408	793.4488	-134.718	-1.17968	-1.15133	0.222075	233.4292
9408_9409	9408	9409	-793.449	134.7176	1.179675	1.151325	3.353175	-641.639
9409_9409	9409	9409	792.4597	129.2067	-1.2663	0.811125	-3.27915	641.8424
9409_9410	9409	9410	-792.46	-129.207	1.2663	-0.81113	7.10325	-251.584
9410_9410	9410	9410	795.753	-39.0537	1.66635	-0.57173	-6.54728	251.5874
9410_9411	9410	9411	-795.753	39.0537	-1.66635	0.571725	-2.709	-468.624
9411_9411	9411	9411	796.3862	-22.7997	0.382725	0.118125	2.37195	468.6271
9411_9412	9411	9412	-796.386	22.7997	-0.38273	-0.11813	-5.76293	-670.432
9412_9412	9412	9412	787.6055	5.970825	0.168525	-0.0693	2.07585	670.4366
9412_9413	9412	9413	-787.606	-5.97083	-0.16853	0.0693	-4.50923	-584.325
9413_9413	9413	9413	773.1959	33.41993	1.24425	0.04725	1.51515	584.3203
9413_9414	9413	9414	-773.196	-33.4199	-1.24425	-0.04725	-10.4848	-343.378
9414_9414	9414	9414	772.2115	51.37808	0.68985	0.0567	10.4013	343.3799
9414_9415	9414	9415	-772.211	-51.3781	-0.68985	-0.0567	-15.3657	26.8002
9415_9415	9415	9415	750.0465	75.22988	-0.29768	0.0882	12.98115	-26.8002
9415_9416	9415	9416	-750.047	-75.2299	0.297675	-0.0882	-9.7272	848.0336
9416_9416	9416	9416	747.9596	93.73455	0.061425	0.269325	9.615375	-848.035
9416_9417	9416	9417	-747.96	-93.7346	-0.06143	-0.26933	-9.82958	1175.733
9417_9417	9417	9417	747.9738	95.69543	-31.541	-0.65205	9.0216	-1175.74
9417_9036	9417	9036	-747.974	-95.6954	31.54095	0.65205	120.1347	1583.289
9420_9056	9420	9056	671.265	-92.158	37.85198	0.8568	-165.97	-1743.24
9420_9421	9420	9421	-671.265	92.15798	-37.852	-0.8568	10.90215	1348.435
9421_9421	9421	9421	671.2067	-90.227	1.967175	0.40005	-8.946	-1348.42
9421_9422	9421	9422	-671.207	90.22703	-1.96718	-0.40005	2.08215	1033.695
9422_9422	9422	9422	673.1786	-74.1053	1.453725	-0.3654	-2.31053	-1033.69
9422_9423	9422	9423	-673.179	74.10533	-1.45373	0.3654	-13.5718	224.3903
9423_9423	9423	9423	690.5052	-52.9641	-0.83633	-0.08978	16.4997	-224.382
9423_9424	9423	9424	-690.505	52.9641	0.836325	0.089775	-10.4722	-157.311
9424_9424	9424	9424	691.5494	-36.8802	-1.4175	-0.19845	10.5147	157.3094
9424_9425	9424	9425	-691.549	36.8802	1.4175	0.19845	-0.2961	-423.221
9425_9425	9425	9425	700.7994	-12.4945	-0.39375	-0.04095	4.284	423.2246
9425_9426	9425	9426	-700.799	12.49448	0.39375	0.04095	1.400175	-603.318
9426_9426	9426	9426	704.6818	12.5685	0.020475	-0.18428	2.9106	603.3195
9426_9427	9426	9427	-704.682	-12.5685	-0.02048	0.184275	-3.09015	-492.016
9427_9427	9427	9427	704.2786	26.95298	-0.8946	0.379575	3.37365	492.0143
9427_9428	9427	9428	-704.279	-26.953	0.8946	-0.37958	1.595475	-342.151
9428_9428	9428	9428	696.1091	-121.059	0.348075	-1.05683	-1.95143	342.1483
9428_9429	9428	9429	-696.109	121.0592	-0.34808	1.056825	0.9009	-707.892
9429_9429	9429	9429	696.4461	122.1806	-2.39085	0.893025	-0.8631	708.2192
9429_9430	9429	9430	-696.446	-122.181	2.39085	-0.89303	8.084475	-339.173
9430_9430	9430	9430	700.0261	-25.7009	1.185975	-0.3024	-7.43715	339.1731
9430_9431	9430	9431	-700.026	25.70085	-1.18598	0.3024	0.84735	-482.07
9431_9431	9431	9431	700.4057	-11.4487	0.504	0.17955	-1.05525	482.0697
9431_9432	9431	9432	-700.406	11.44868	-0.504	-0.17955	-3.40988	-583.434
9432_9432	9432	9432	691.7306	13.68833	0.354375	0.063	-0.4473	583.4336
9432_9433	9432	9433	-691.731	-13.6883	-0.35438	-0.063	-4.6746	-386.04
9433_9433	9433	9433	677.5729	-37.70865	0.911925	0.234675	1.104075	386.0357
9433_9434	9433	9434	-677.573	-37.7087	-0.91193	-0.23468	-7.68128	-114.276
9434_9434	9434	9434	676.4909	53.74373	0.5418	0.118125	7.66395	114.2773
9434_9435	9434	9435	-676.491	-53.7437	-0.5418	-0.11813	-11.5684	273.3318
9435_9435	9435	9435	655.9072	74.31638	-1.47578	0.5985	8.966475	-273.343
9435_9436	9435	9436	-655.907	-74.3164	1.475775	-0.5985	7.14105	1084.433
9436_9436	9436	9436	653.8691	90.48848	-2.5074	-1.00328	-6.65123	-1084.43

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9436_9437	9436	9437	-653.869	-90.4885	2.5074	1.003275	15.41768	1400.698
9437_9437	9437	9437	654.044	91.82565	-33.8279	-0.66623	-17.8747	-1400.7
9437_9072	9437	9072	-654.044	-91.8257	33.82785	0.666225	156.3408	1794.333
9440_9094	9440	9094	736.196	-87.2613	33.16635	0.79695	-142.591	-1386.97
9440_9441	9440	9441	-736.196	87.2613	-33.1664	-0.79695	6.68115	1029.392
9441_9441	9441	9441	735.8762	-85.1618	1.116675	-0.06773	-3.86978	-1029.38
9441_9442	9441	9442	-735.876	85.16183	-1.11668	0.067725	-0.02678	732.1183
9442_9442	9442	9442	737.7237	-67.2998	0.85995	-0.3276	-0.05198	-732.118
9442_9443	9442	9443	-737.724	67.29975	-0.85995	0.3276	-9.34605	-2.66963
9443_9443	9443	9443	753.6359	-44.015	-1.04108	-0.09135	13.33238	2.675925
9443_9444	9443	9444	-753.636	44.01495	1.041075	0.09135	-5.83538	-319.667
9444_9444	9444	9444	754.4423	-26.8223	-0.88988	-0.2898	5.8086	319.6667
9444_9445	9444	9445	-754.442	26.82225	0.889875	0.2898	0.61425	-513.204
9445_9445	9445	9445	762.3646	-0.07718	-0.61583	-0.0567	4.48245	513.209
9445_9446	9445	9446	-762.365	0.077175	0.615825	0.0567	4.39425	-514.319
9446_9446	9446	9446	765.1271	27.14198	1.30095	-0.15908	0.6615	514.3226
9446_9447	9446	9447	-765.127	-27.142	-1.30095	0.159075	-12.1795	-273.889
9447_9447	9447	9447	764.3743	43.46528	-0.64733	0.26145	12.4866	273.8752
9447_9448	9447	9448	-764.374	-43.4653	0.647325	-0.26145	-8.89088	-32.6135
9448_9448	9448	9448	756.808	-117.979	-0.21578	1.3293	9.198	32.62298
9448_9449	9448	9449	-756.808	117.9785	0.215775	-1.3293	-8.54753	-389.458
9449_9449	9449	9449	756.7308	117.6478	0.433125	-1.4805	8.5806	389.4345
9449_9450	9449	9450	-756.731	-117.648	-0.43313	1.4805	-9.88943	-33.5979
9450_9450	9450	9450	762.2606	-43.1408	-0.6552	0.074025	9.8406	33.60735
9450_9451	9450	9451	-762.261	43.14083	0.6552	-0.07403	-6.20078	-273.463
9451_9451	9451	9451	762.9867	-27.4586	-0.4158	-0.1386	6.237	273.4625
9451_9452	9451	9452	-762.987	27.45855	0.4158	0.1386	-2.55623	-516.695
9452_9452	9452	9452	758.3184	-0.32288	0.41895	0.001575	-2.54048	516.6898
9452_9453	9452	9453	-758.318	0.322875	-0.41895	-0.00158	-3.4965	-521.352
9453_9453	9453	9453	748.7078	25.99223	0.9135	0.159075	-1.3167	521.3471
9453_9454	9453	9454	-748.708	-25.9922	-0.9135	-0.15908	-5.26365	-334.084
9454_9454	9454	9454	747.8825	43.72673	0.73395	0.114975	5.240025	334.0843
9454_9455	9454	9455	-747.882	-43.7267	-0.73395	-0.11498	-10.5289	-18.826
9455_9455	9455	9455	729.5526	66.7548	0.36225	0.417375	6.61185	18.81968
9455_9456	9455	9456	-729.553	-66.7548	-0.36225	-0.41738	-10.5761	710.4305
9456_9456	9456	9456	727.7414	84.22943	-0.29453	-0.4977	10.7604	-710.427
9456_9457	9456	9457	-727.741	-84.2294	0.294525	0.4977	-9.73193	1004.326
9457_9457	9457	9457	728.1178	86.22968	-29.6195	-0.54653	6.64965	-1004.33
9457_9110	9457	9110	-728.118	-86.2297	29.61945	0.546525	114.6758	1371.123
9460_9132	9460	9132	648.3078	-87.7968	24.76058	0.300825	-94.7599	-1679.52
9460_9461	9460	9461	-648.308	87.7968	-24.7606	-0.30083	-6.6276	1271.101
9461_9461	9461	9461	647.7566	-86.1588	-1.06785	-0.91508	10.07055	-1271.09
9461_9462	9461	9462	-647.757	86.1588	1.06785	0.915075	-6.34568	970.5623
9462_9462	9462	9462	649.6371	-70.5915	-0.4914	-0.17798	6.581925	-970.562
9462_9463	9462	9463	-649.637	70.5915	0.4914	0.177975	-1.2096	199.6659
9463_9463	9463	9463	657.9815	-49.9937	-0.66623	-0.25358	5.3361	-199.663
9463_9464	9463	9464	-657.981	49.99365	0.666225	0.253575	-0.53078	-160.644
9464_9464	9464	9464	658.9658	-34.6862	-0.66623	-0.26618	0.524475	160.6437
9464_9465	9464	9465	-658.966	34.68623	0.666225	0.266175	4.284	-410.773
9465_9465	9465	9465	662.675	-10.8518	-0.3528	-0.12758	0.1512	410.7726
9465_9466	9465	9466	-662.675	10.85175	0.3528	0.127575	4.925025	-567.124
9466_9466	9466	9466	663.4877	13.16858	0.75915	-0.1764	-0.45675	567.1307
9466_9467	9466	9467	-663.488	-13.1686	-0.75915	0.1764	-6.27323	-450.417
9467_9467	9467	9467	663.064	27.1089	0.004725	0.1953	6.500025	450.4138
9467_9468	9467	9468	-663.064	-27.1089	-0.00473	-0.1953	-6.52365	-299.762
9468_9468	9468	9468	653.2612	-111.145	-1.0395	2.027025	6.559875	299.7619
9468_9469	9468	9469	-653.261	111.1446	1.0395	-2.02703	-3.41933	-635.742
9469_9469	9469	9469	647.6983	109.8295	0.66465	-2.0475	3.107475	619.4444

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9469_9470	9469	9470	-647.698	-109.829	-0.66465	2.0475	-5.11875	-287.434
9470_9470	9470	9470	658.0287	-27.1703	-0.78435	0.33705	5.126625	287.4344
9470_9471	9470	9471	-658.029	27.17033	0.78435	-0.33705	-0.76545	-438.431
9471_9471	9471	9471	658.4492	-13.6332	-0.03465	-0.17325	0.987525	438.4312
9471_9472	9471	9472	-658.449	13.6332	0.03465	0.17325	-0.68355	-559.134
9472_9472	9472	9472	658.2713	10.51785	0.508725	0.121275	-4.04775	559.1297
9472_9473	9472	9473	-658.271	-10.5179	-0.50873	-0.12128	-3.29175	-407.479
9473_9473	9473	9473	653.3447	33.70028	0.6426	0.281925	-1.18283	407.4761
9473_9474	9473	9474	-653.345	-33.7003	-0.6426	-0.28193	-3.45555	-164.465
9474_9474	9474	9474	652.3855	48.87698	0.6426	0.2016	3.46185	164.4647
9474_9475	9474	9475	-652.385	-48.877	-0.6426	-0.2016	-8.09708	187.7888
9475_9475	9475	9475	639.3193	68.8842	0.886725	0.533925	4.32495	-187.795
9475_9476	9475	9476	-639.319	-68.8842	-0.88673	-0.53393	-14.0018	940.0403
9476_9476	9476	9476	637.4828	84.20265	0.319725	-0.66938	14.24273	-940.037
9476_9477	9476	9477	-637.483	-84.2027	-0.31973	0.669375	-15.3563	1233.746
9477_9477	9477	9477	637.8372	85.84065	-29.0572	-0.5544	12.94335	-1233.75
9477_9148	9477	9148	-637.837	-85.8407	29.05718	0.5544	106.04	1585.245
9480_9168	9480	9168	630.6725	-91.6808	30.61013	0.804825	-125.257	-1808.99
9480_9481	9480	9481	-630.673	91.68075	-30.6101	-0.80483	-0.0819	1433.581
9481_9481	9481	9481	630.3875	-90.3263	0.294525	-0.25043	1.69785	-1433.58
9481_9482	9481	9482	-630.387	90.32625	-0.29453	0.250425	-2.72948	1117.64
9482_9482	9482	9482	632.4476	-74.5463	0.294525	-0.31815	2.723175	-1117.64
9482_9483	9482	9483	-632.448	74.54633	-0.29453	0.31815	-5.9409	304.2853
9483_9483	9483	9483	643.3434	-55.0305	-0.35438	-0.31028	9.407475	-304.277
9483_9484	9483	9484	-643.343	55.0305	0.354375	0.310275	-6.85283	-92.3281
9484_9484	9484	9484	644.4475	-40.0617	-1.2222	-0.34178	6.88905	92.32493
9484_9485	9484	9485	-644.447	40.0617	1.2222	0.341775	1.92465	-381.218
9485_9485	9485	9485	647.8101	-17.1738	-0.45203	-0.22208	2.011275	381.2256
9485_9486	9485	9486	-647.81	17.1738	0.452025	0.222075	4.502925	-628.842
9486_9486	9486	9486	645.9658	6.666975	0.38745	0.32445	-0.11498	628.8487
9486_9487	9486	9487	-645.966	-6.66698	-0.38745	-0.32445	-3.31853	-569.816
9487_9487	9487	9487	645.6902	19.94895	1.56555	-0.7686	2.8539	569.8177
9487_9488	9487	9488	-645.69	-19.949	-1.56555	0.7686	-11.5574	-458.955
9488_9488	9488	9488	631.4128	-113.669	-2.51055	3.507525	12.09915	458.9456
9488_9489	9488	9489	-631.413	113.6693	2.51055	-3.50753	-4.51238	-802.559
9489_9489	9489	9489	628.5573	113.9024	0.644175	-3.5343	9.8154	793.559
9489_9490	9489	9490	-628.557	-113.902	-0.64418	3.5343	-11.7637	-449.239
9490_9490	9490	9490	641.8724	-19.0748	-1.28363	0.504	11.68493	449.2373
9490_9491	9490	9491	-641.872	19.07483	1.283625	-0.504	-4.55175	-555.241
9491_9491	9491	9491	642.1322	-5.5818	-0.55598	-0.21893	4.833675	555.2395
9491_9492	9491	9492	-642.132	5.5818	0.555975	0.218925	0.096075	-604.712
9492_9492	9492	9492	642.6961	17.64788	0.379575	0.21735	-4.39898	604.7055
9492_9493	9492	9493	-642.696	-17.6479	-0.37958	-0.21735	-1.06943	-350.433
9493_9493	9493	9493	638.2766	40.50743	1.2915	0.360675	-2.5641	350.4312
9493_9494	9493	9494	-638.277	-40.5074	-1.2915	-0.36068	-6.74573	-58.3286
9494_9494	9494	9494	637.1631	55.3329	0.42525	0.285075	6.72525	58.33013
9494_9495	9494	9495	-637.163	-55.3329	-0.42525	-0.28508	-9.79493	340.4457
9495_9495	9495	9495	624.0323	75.01095	0.3087	0.603225	6.65595	-340.454
9495_9496	9495	9496	-624.032	-75.011	-0.3087	-0.60323	-10.0312	1160.323
9496_9496	9496	9496	622.1423	89.3403	-0.24255	-0.69615	10.32885	-1160.32
9496_9497	9496	9497	-622.142	-89.3403	0.24255	0.69615	-9.4878	1471.083
9497_9497	9497	9497	622.2746	91.36103	-33.0939	-0.79223	7.5474	-1471.09
9497_9184	9497	9184	-622.275	-91.361	33.0939	0.792225	127.9609	1882.089
9500_9204	9500	9204	690.6044	-98.0847	38.18745	1.450575	-173.718	-1919.75
9500_9501	9500	9501	-690.604	98.0847	-38.1875	-1.45058	17.35493	1499.113
9501_9501	9501	9501	690.7304	-96.5522	3.5091	2.212875	-14.7798	-1499.14
9501_9502	9501	9502	-690.73	96.55223	-3.5091	-2.21288	2.5389	1162.348
9502_9502	9502	9502	692.8551	-79.9502	1.60335	-1.03635	-3.45398	-1162.35

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9502_9503	9502	9503	-692.855	79.95015	-1.60335	1.03635	-14.0522	289.2598
9503_9503	9503	9503	710.9629	-58.2545	-1.54508	-0.18585	15.93113	-289.244
9503_9504	9503	9504	-710.963	58.25453	1.545075	0.18585	-4.79273	-130.597
9504_9504	9504	9504	712.1268	-41.7139	-0.57803	-0.4788	4.723425	130.599
9504_9505	9504	9505	-712.127	41.71388	0.578025	0.4788	-0.55283	-431.399
9505_9505	9505	9505	723.4794	-16.391	-0.28035	-0.14805	3.24765	431.4051
9505_9506	9505	9506	-723.479	16.39103	0.28035	0.14805	0.795375	-667.567
9506_9506	9506	9506	730.2377	9.1224	0.732375	-0.22523	2.5137	667.5653
9506_9507	9506	9507	-730.238	-9.1224	-0.73238	0.225225	-9.0027	-586.711
9507_9507	9507	9507	729.8865	24.46448	-0.27878	0.385875	9.363375	586.7048
9507_9508	9507	9508	-729.887	-24.4645	0.278775	-0.38588	-7.81515	-450.745
9508_9508	9508	9508	722.2934	-129.548	-0.35595	0.90405	8.185275	450.7335
9508_9509	9508	9509	-722.293	129.5485	0.35595	-0.90405	-7.11113	-842.356
9509_9509	9509	9509	722.4021	130.0919	2.1231	-0.7434	7.0749	842.2643
9509_9510	9509	9510	-722.402	-130.092	-2.1231	0.7434	-13.4915	-449.006
9510_9510	9510	9510	732.1451	-24.1117	-0.0819	-0.3528	12.4425	449.0262
9510_9511	9510	9511	-732.145	24.11168	0.0819	0.3528	-11.9842	-583.029
9511_9511	9511	9511	732.4837	-9.04523	-1.38758	0.433125	11.52585	583.0382
9511_9512	9511	9512	-732.484	9.045225	1.387575	-0.43313	0.754425	-663.133
9512_9512	9512	9512	728.2737	16.8525	0.565425	0.247275	-4.06508	663.1317
9512_9513	9512	9513	-728.274	-16.8525	-0.56543	-0.24728	-4.07768	-420.292
9513_9513	9513	9513	719.2852	42.20528	1.5561	0.578025	0.861525	420.2919
9513_9514	9513	9514	-719.285	-42.2053	-1.5561	-0.57803	-12.0787	-115.915
9514_9514	9514	9514	718.1087	58.90973	1.633275	0.2835	12.09443	115.9153
9514_9515	9514	9515	-718.109	-58.9097	-1.63328	-0.2835	-23.8691	308.6969
9515_9515	9515	9515	701.4546	80.88413	-2.9232	0.433125	22.52408	-308.706
9515_9516	9515	9516	-701.455	-80.8841	2.9232	-0.43313	9.40905	1192.151
9516_9516	9516	9516	699.3095	97.68938	-3.40043	-0.18428	-9.16965	-1192.15
9516_9517	9516	9517	-699.309	-97.6894	3.400425	0.184275	21.03255	1532.974
9517_9517	9517	9517	698.596	100.0661	-46.2656	-2.2365	-21.5492	-1533
9517_9220	9517	9220	-698.596	-100.066	46.26563	2.2365	211.0374	1942.843
9520_9240	9520	9240	495.0288	-95.2418	6.355125	5.756625	-96.2357	-2359.81
9520_9521	9520	9521	-495.029	95.24183	-6.35513	-5.75663	70.25445	1970.47
9521_9521	9521	9521	495.2336	-94.5252	4.2651	-0.64575	-69.6056	-1970.9
9521_9522	9521	9522	-495.234	94.5252	-4.2651	0.64575	54.72338	1641.041
9522_9522	9522	9522	497.3551	-82.634	4.301325	0.79065	-54.6872	-1641.04
9522_9523	9522	9523	-497.355	82.63395	-4.30133	-0.79065	7.69545	738.1553
9523_9523	9523	9523	514.8423	-67.6825	0.945	-0.29138	-7.46865	-737.886
9523_9524	9523	9524	-514.842	67.68248	-0.945	0.291375	0.659925	250.3919
9524_9524	9524	9524	516.2756	-55.7156	-0.0378	-0.77175	-0.84263	-250.39
9524_9525	9524	9525	-516.276	55.71563	0.0378	0.77175	1.116675	-151.197
9525_9525	9525	9525	533.3501	-38.2725	-0.31343	-0.68513	-0.10395	151.2331
9525_9526	9525	9526	-533.35	38.2725	0.313425	0.685125	4.61475	-703.19
9526_9526	9526	9526	545.706	-19.4261	-0.27878	-1.46633	-2.66018	702.6658
9526_9527	9526	9527	-545.706	19.42605	0.278775	1.466325	5.1282	-874.59
9527_9527	9527	9527	545.9816	-8.46405	-1.91678	1.280475	-3.94223	874.5959
9527_9528	9527	9528	-545.982	8.46405	1.916775	-1.28048	14.60498	-921.665
9528_9528	9528	9528	538.7272	-124.182	2.697975	-4.2084	-15.55	921.5325
9528_9529	9528	9529	-538.727	124.1825	-2.69798	4.2084	7.3836	-1297.33
9529_9529	9529	9529	538.0468	120.7773	0.2583	3.523275	-7.23398	1296.531
9529_9530	9529	9530	-538.047	-120.777	-0.2583	-3.52328	6.452775	-932.101
9530_9530	9530	9530	546.9235	5.989725	2.08215	-0.97965	-6.86543	931.4424
9530_9531	9530	9531	-546.923	-5.98973	-2.08215	0.97965	-4.7124	-898.128
9531_9531	9531	9531	546.692	17.07458	1.063125	0.622125	3.954825	898.1312
9531_9532	9531	9532	-546.692	-17.0746	-1.06313	-0.62213	-13.3639	-746.925
9532_9532	9532	9532	540.2392	36.30848	-0.5985	0.41895	11.4408	746.728
9532_9533	9532	9533	-540.239	-36.3085	0.5985	-0.41895	-2.8098	-223.502
9533_9533	9533	9533	529.3748	55.188	0.845775	1.204875	1.771875	223.6248

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9533_9534	9533	9534	-529.375	-55.188	-0.84578	-1.20488	-7.87343	174.2501
9534_9534	9534	9534	527.94	67.5486	-0.8757	0.4284	8.09235	-174.244
9534_9535	9534	9535	-527.94	-67.5486	0.8757	-0.4284	-1.78133	661.133
9535_9535	9535	9535	508.0777	83.8908	5.2479	1.8648	1.7703	-660.727
9535_9536	9535	9536	-508.078	-83.8908	-5.2479	-1.8648	-59.1003	1577.192
9536_9536	9536	9536	505.9278	96.05138	4.28085	-2.72633	59.97443	-1577.16
9536_9537	9536	9537	-505.928	-96.0514	-4.28085	2.726325	-74.9149	1912.335
9537_9537	9537	9537	509.5771	95.2812	-18.6307	-14.1671	76.3938	-1913.99
9537_9254	9537	9254	-509.577	-95.2812	18.63068	14.16713	-0.18743	2326.776
9540_9275	9540	9275	877.5554	-113.164	44.41815	7.08435	-314.707	-1761.36
9540_9541	9540	9541	-877.555	113.1638	-44.4182	-7.08435	132.8796	1263.585
9541_9541	9541	9541	891.2153	-106.999	11.2896	0.114975	-130.489	-1266.23
9541_9542	9541	9542	-891.215	106.9992	-11.2896	-0.11498	91.10588	892.9762
9542_9542	9542	9542	893.5495	-85.5824	9.1665	0.118125	-91.717	-892.913
9542_9543	9542	9543	-893.549	85.58235	-9.1665	-0.11813	-8.38688	-41.7643
9543_9543	9543	9543	911.9518	-56.3441	-0.19058	-0.92138	9.79965	41.5989
9543_9544	9543	9544	-911.952	56.34405	0.190575	0.921375	-8.43255	-447.552
9544_9544	9544	9544	912.996	-35.573	-1.071	-0.67568	8.563275	447.5489
9544_9545	9544	9545	-912.996	35.57295	1.071	0.675675	-0.82845	-704.356
9545_9545	9545	9545	926.2134	-3.2256	-0.15593	-0.67725	3.1248	703.6864
9545_9546	9545	9546	-926.213	3.2256	0.155925	0.67725	-0.88673	-750.168
9546_9546	9546	9546	932.2409	29.15325	2.23335	-0.3339	3.227175	749.5756
9546_9547	9546	9547	-932.241	-29.1533	-2.23335	0.3339	-22.995	-491.46
9547_9547	9547	9547	931.4771	47.7414	1.258425	-0.2898	23.21393	491.4488
9547_9548	9547	9548	-931.477	-47.7414	-1.25843	0.2898	-30.2132	-225.778
9548_9548	9548	9548	923.2508	-147.48	-0.7497	1.107225	30.84323	223.8154
9548_9549	9548	9549	-923.251	147.4799	0.7497	-1.10723	-28.5831	-668.469
9549_9549	9549	9549	928.0168	152.3025	-1.33718	-0.94343	28.61618	670.8902
9549_9550	9549	9550	-928.017	-152.303	1.337175	0.943425	-24.6314	-216.851
9550_9550	9550	9550	932.8079	-51.4442	2.74365	-0.26775	24.15893	215.2584
9550_9551	9550	9551	-932.808	51.44423	-2.74365	0.26775	-39.6837	-506.377
9551_9551	9551	9551	933.7482	-29.9817	-0.25358	0.420525	38.94345	506.435
9551_9552	9551	9552	-933.748	29.9817	0.253575	-0.42053	-36.8062	-758.887
9552_9552	9552	9552	925.1345	7.857675	-0.01733	0.184275	35.04218	758.972
9552_9553	9552	9553	-925.135	-7.85768	0.017325	-0.18428	-34.7918	-648.29
9553_9553	9553	9553	911.2777	42.7329	-1.80023	1.041075	33.27188	648.2684
9553_9554	9553	9554	-911.278	-42.7329	1.800225	-1.04108	-20.5963	-347.465
9554_9554	9554	9554	909.8838	66.08543	-1.54035	0.4095	20.64983	347.4639
9554_9555	9554	9555	-909.884	-66.0854	1.54035	-0.4095	-9.80753	117.8368
9555_9555	9555	9555	887.7661	99.03915	-1.52145	1.201725	10.23908	-117.273
9555_9556	9555	9556	-887.766	-99.0392	1.52145	-1.20173	5.9787	1172.789
9556_9556	9556	9556	884.7389	123.1776	-2.47118	0.0567	-5.6007	-1172.79
9556_9557	9556	9557	-884.739	-123.178	2.471175	-0.0567	14.0553	1594.185
9557_9557	9557	9557	888.4008	127.9499	-16.6934	-12.7607	-12.7071	-1597.84
9557_9288	9557	9288	-888.401	-127.95	16.69343	12.76065	106.1487	2360.324
49000_9000	49000	9000	-1.70231	167.7115	14.35035	13.19351	0	-25.4244
49000_9001	49000	9001	1.702313	-156.215	-14.3504	-13.1935	-119.103	1369.724
49001_9001	49001	9001	-1.6842	156.2145	14.35245	11.2791	119.1033	-1369.74
49001_9002	49001	9002	1.6842	-143.894	-14.3525	-11.2791	-246.748	2704.337
49002_9002	49002	9002	-1.6716	140.6491	-11.4734	12.14378	246.7476	-2704.34
49002_9003	49002	9003	1.6716	-123.911	11.47335	-12.1438	-108.095	4302.703
49003_9003	49003	9003	-1.69129	123.9105	-11.471	4.60845	108.0951	-4302.72
49003_9004	49003	9004	1.691288	-107.163	11.47099	-4.60845	30.6075	5699.601
49004_9004	49004	9004	-1.69129	94.22096	1.3902	10.83889	-30.6075	-5699.61
49004_9005	49004	9005	1.691288	-77.4879	-1.3902	-10.8389	13.82745	6736.661
49005_9005	49005	9005	-1.68709	77.4879	1.392563	-0.95655	-13.8275	-6736.67
49005_9006	49005	9006	1.687088	-60.7464	-1.39256	0.95655	-2.99775	7572.052
49006_9006	49006	9006	-1.6884	50.79716	0.387188	6.313125	2.99775	-7572.06

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49006_9007	49006	9007	1.6884	-34.057	-0.38719	-6.31313	-7.67708	8084.775
49007_9007	49007	9007	-1.68709	34.05701	0.387713	-0.32051	7.677075	-8084.78
49007_9008	49007	9008	1.687088	-17.3169	-0.38771	0.320513	-12.3758	8395.166
49008_9008	49008	9008	-1.68709	7.256025	-0.2142	-0.43286	12.37583	-8395.17
49008_9009	49008	9009	1.687088	9.491213	0.2142	0.432863	-9.78758	8381.654
49009_9009	49009	9009	-1.68709	-9.49121	-0.21289	0.456225	9.787575	-8381.65
49009_9010	49009	9010	1.687088	26.22428	0.212888	-0.45623	-7.20143	8165.939
49010_9010	49010	9010	-1.68683	-36.8091	0.8862	4.200788	7.201425	-8165.94
49010_9011	49010	9011	1.686825	53.55341	-0.8862	-4.20079	-17.9051	7619.817
49011_9011	49011	9011	-1.68551	-53.5534	0.888563	-8.3097	17.90513	-7619.81
49011_9012	49011	9012	1.685513	70.29356	-0.88856	8.3097	-28.6393	6871.482
49012_9012	49012	9012	-1.68683	-80.8361	-0.44021	0.89985	28.63928	-6871.48
49012_9013	49012	9013	1.686825	97.57335	0.440213	-0.89985	-23.3213	5793.581
49013_9013	49013	9013	-1.68683	-97.5734	-0.43654	-8.61683	23.32129	-5793.58
49013_9014	49013	9014	1.686825	114.3093	0.436538	8.616825	-18.0351	4513.697
49014_9014	49014	9014	-1.68551	-124.885	2.1231	-0.3297	18.03506	-4513.69
49014_9015	49014	9015	1.685513	146.4194	-2.1231	0.3297	-51.0381	2404.942
49015_9015	49015	9015	-0.37459	-146.429	2.126775	-5.82225	50.98853	-2405.91
49015_9016	49015	9016	0.260925	157.8539	-2.12678	5.82225	-68.5269	1150.75
49016_9016	49016	9016	3.083588	-171.118	-4.09316	-7.85164	34.13576	-304.499
49016_9017	49016	9017	-3.5532	187.289	4.093163	7.851638	14.00411	-1910.9
49017_9017	49017	9017	8.182388	-187.146	-4.09054	-3.84825	-14.0078	1911.05
49017_9018	49017	9018	-9.18566	205.3774	4.090538	3.84825	68.29174	-4539.33
49018_9018	49018	9018	15.20111	-216.52	4.851525	-13.7563	-69.2549	4539.205
49018_9019	49018	9019	-16.6047	233.7127	-4.85153	13.75631	8.457488	-7372.7
49019_9019	49019	9019	22.75219	-233.193	4.853888	-1.4343	-7.57024	7372.714
49019_9020	49019	9020	-24.6249	250.3948	-4.85389	1.4343	-53.4358	-10472.6
49020_9020	49020	9020	-924.808	86.58326	-9.55211	-0.95104	211.3682	2153.166
49020_9021	49020	9021	924.8077	-73.5092	9.552113	0.951038	-120.597	-1350.29
49021_9021	49021	9021	-924.828	73.50919	-7.42271	3.952463	120.5967	1126.79
49021_9022	49021	9022	924.8279	-62.8617	7.422713	-3.95246	-63.1499	-599.098
49022_9022	49022	9022	-924.82	62.86166	-8.33831	3.357638	63.14989	599.1027
49022_9023	49022	9023	924.8203	-52.1863	8.338313	-3.35764	1.563188	-152.712
49023_9023	49023	9023	-924.845	44.64049	-2.55911	-0.48904	-1.56319	152.696
49023_9024	49023	9024	924.8453	-33.6344	2.559113	0.489038	22.0332	160.3862
49024_9024	49024	9024	-924.845	33.63439	-2.55911	-0.48904	-22.0332	-160.386
49024_9025	49024	9025	924.8453	-22.6283	2.559113	0.489038	42.50164	385.4269
49025_9025	49025	9025	-924.848	17.85079	-1.40858	-0.96889	-42.5016	-385.428
49025_9026	49025	9026	924.8484	-6.84758	1.408575	0.968888	53.77811	484.2002
49026_9026	49026	9026	-924.847	-1.83829	-2.09528	-0.54364	-53.7781	-484.2
49026_9027	49026	9027	924.8471	10.0884	2.095275	0.543638	66.33821	448.4456
49027_9027	49027	9027	-924.848	-10.0884	-0.39428	-1.36789	-66.3382	-448.444
49027_9028	49027	9028	924.8484	18.34744	0.394275	1.367888	68.70596	363.0601
49028_9028	49028	9028	-924.848	-18.3474	-0.56018	-1.30253	-68.706	-363.06
49028_9029	49028	9029	924.8484	26.59755	0.560175	1.302525	72.07121	228.3228
49029_9029	49029	9029	-924.848	-26.5976	-0.39428	-1.34505	-72.0712	-228.323
49029_9030	49029	9030	924.8484	34.85948	0.394275	1.34505	74.43923	43.79104
49030_9030	49030	9030	-924.851	-43.675	0.287438	-2.12441	-74.4392	-43.7863
49030_9031	49030	9031	924.8513	54.67376	-0.28744	2.124413	72.14498	-349.381
49031_9031	49031	9031	-924.851	-54.6738	0.287438	-2.12441	-72.145	349.3807
49031_9032	49031	9032	924.8513	65.67409	-0.28744	2.124413	69.85073	-830.496
49032_9032	49032	9032	-924.85	-65.6741	1.560038	-0.98228	-69.8507	830.498
49032_9033	49032	9033	924.8497	76.68596	-1.56004	0.982275	57.3762	-1400.24
49033_9033	49033	9033	-924.84	-84.7355	3.9795	-7.266	-57.3762	1400.267
49033_9034	49033	9034	924.8403	95.39906	-3.9795	7.266	26.51828	-2098.51
49034_9034	49034	9034	-924.84	-95.3991	3.9795	-7.266	-26.5183	2098.506
49034_9035	49034	9035	924.8403	106.0642	-3.9795	7.266	-4.34096	-2879.43
49035_9035	49035	9035	-924.828	-106.064	6.187388	1.1445	4.340963	3109.133

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49035_9036	49035	9036	924.8277	119.1354	-6.18739	-1.1445	-63.1257	-4220.58
49036_9036	49036	9036	27.43466	224.527	-2.61949	-9.81488	9.467325	12817.8
49036_9037	49036	9037	-25.5604	-207.336	2.619488	9.814875	23.46356	-10178
49037_9037	49037	9037	20.07259	207.9396	-2.63078	15.37016	-25.589	10177.95
49037_9038	49037	9038	-18.6632	-190.738	2.630775	-15.3702	58.58685	-7628.45
49038_9038	49038	9038	13.31873	180.6633	0.468825	-3.8367	-57.1253	7628.668
49038_9039	49038	9039	-12.3126	-162.44	-0.46883	3.8367	50.90453	-5359.89
49039_9039	49039	9039	41.60678	250.3644	2.500313	23.28191	-44.4867	18879.92
49039_9040	49039	9040	-41.1416	-234.264	-2.50031	-23.2819	15.09716	-16254.3
49040_9040	49040	9040	36.95501	217.4844	0.788288	1.130588	-14.4971	16254.99
49040_9041	49040	9041	-36.8403	-206.191	-0.78829	-1.13059	7.99365	-14695
49041_9041	49041	9041	34.99519	206.5111	0.7917	-0.67095	-7.98341	14705.49
49041_9042	49041	9042	-34.9952	-185.804	-0.7917	0.67095	-3.99761	-10777.6
49042_9042	49042	9042	34.99545	175.2227	-0.5166	-2.02046	3.997613	10777.61
49042_9043	49042	9043	-34.9955	-158.949	0.5166	2.020463	2.12415	-8792.15
49043_9043	49043	9043	34.99414	158.9487	-0.54285	4.656488	-2.12415	8792.145
49043_9044	49043	9044	-34.9941	-142.692	0.54285	-4.65649	8.555663	-7001.61
49044_9044	49044	9044	34.9944	127.4459	-0.05749	-0.76283	-8.55566	7001.59
49044_9045	49044	9045	-34.9944	-111.176	0.057488	0.762825	9.250763	-5584.16
49045_9045	49045	9045	34.9944	111.1764	-0.08899	3.919388	-9.25076	5584.161
49045_9046	49045	9046	-34.9944	-94.9082	0.088988	-3.91939	10.29394	-4360.1
49046_9046	49046	9046	34.9944	84.68513	0.061425	-0.17378	-10.2939	4360.098
49046_9047	49046	9047	-34.9944	-68.4198	-0.06143	0.173775	9.572063	-3450.85
49047_9047	49047	9047	34.9944	68.41984	0.032813	2.722125	-9.57206	3450.847
49047_9048	49047	9048	-34.9944	-52.1561	-0.03281	-2.72213	9.196688	-2734.84
49048_9048	49048	9048	34.9944	42.0294	-0.40871	-0.22654	-9.19669	2734.834
49048_9049	49048	9049	-34.9944	-25.7683	0.408713	0.226538	14.06055	-2332.3
49049_9049	49049	9049	34.99283	25.76831	-0.4389	1.730663	-14.0606	2332.299
49049_9050	49049	9050	-34.9928	-9.50749	0.4389	-1.73066	19.2696	-2122.88
49050_9050	49050	9050	34.99414	-0.50531	1.452675	0.1029	-19.2696	2122.876
49050_9051	49050	9051	-34.9941	21.23284	-1.45268	-0.1029	-2.72344	-2630.48
49051_9051	49051	9051	35.17474	-20.932	1.420388	2.339138	2.7447	2626.918
49051_9052	49051	9052	-35.285	32.2287	-1.42039	-2.33914	-14.4624	-2653.75
49052_9052	49052	9052	36.16883	-44.1221	-4.01231	2.039625	14.49683	2653.694
49052_9053	49052	9053	-36.6243	60.21173	4.012313	-2.03963	32.65815	-3210.09
49053_9053	49053	9053	41.50388	-56.5173	-1.95353	-1.49599	-46.9946	2736.235
49053_9054	49053	9054	-42.4927	74.50301	1.953525	1.495988	72.92355	-3596.44
49054_9054	49054	9054	45.05655	-83.3485	3.897075	-4.62026	-73.3136	3596.344
49054_9055	49054	9055	-46.4407	100.3078	-3.89708	4.620263	24.46211	-4723.68
49055_9055	49055	9055	49.04996	-99.0607	3.866888	-0.26749	-24.1967	4723.681
49055_9056	49055	9056	-50.8938	116.0184	-3.86689	0.267488	-24.3747	-6088.26
49056_9056	49056	9056	-525.823	128.499	-4.69009	1.9047	35.56035	2870.99
49056_9057	49056	9057	525.8227	-115.612	4.690088	-1.9047	8.988787	-1683.17
49057_9057	49057	9057	-525.83	115.6116	-3.74115	5.158388	-8.98879	1653.165
49057_9058	49057	9058	525.83	-105.093	3.74115	-5.15839	37.99346	-797.661
49058_9058	49058	9058	-525.835	105.0929	-3.06443	6.1824	-37.9935	797.6548
49058_9059	49058	9059	525.8348	-94.5746	3.064425	-6.1824	61.74998	-23.7694
49059_9059	49059	9059	-525.846	87.20381	0.499538	2.557275	-61.75	23.7594
49059_9060	49059	9060	525.8463	-76.3605	-0.49954	-2.55728	57.75683	629.894
49060_9060	49060	9060	-525.845	71.58296	1.20435	1.712288	-57.7568	-629.896
49060_9061	49060	9061	525.845	-60.7252	-1.20435	-1.71229	48.11966	1159.248
49061_9061	49061	9061	-525.845	60.72518	1.20435	1.712288	-48.1197	-1159.25
49061_9062	49061	9062	525.845	-49.8674	-1.20435	-1.71229	38.48381	1601.721
49062_9062	49062	9062	-525.842	41.34664	1.09305	1.277063	-38.4838	-1601.72
49062_9063	49062	9063	525.8421	-33.1997	-1.09305	-1.27706	31.92105	1825.556
49063_9063	49063	9063	-525.842	33.19969	0.154087	4.531538	-31.9211	-1825.55
49063_9064	49063	9064	525.8421	-25.0614	-0.15409	-4.53154	30.99128	2000.222
49064_9064	49064	9064	-525.838	25.0614	1.903913	-2.12389	-30.9913	-2000.22

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49064_9065	49064	9065	525.8379	-16.9276	-1.90391	2.123888	19.5741	2126.088
49065_9065	49065	9065	-525.842	16.92758	1.09305	1.160775	-19.5741	-2126.09
49065_9066	49065	9066	525.8421	-8.77905	-1.09305	-1.16078	13.01134	2203.284
49066_9066	49066	9066	-525.839	0.481163	1.386263	2.185575	-13.0113	-2203.29
49066_9067	49066	9067	525.8395	10.37243	-1.38626	-2.18558	1.927538	2163.731
49067_9067	49067	9067	-525.838	-10.3724	2.04015	-0.51398	-1.92754	-2163.73
49067_9068	49067	9068	525.8379	21.22575	-2.04015	0.513975	-14.3981	2037.354
49068_9068	49068	9068	-525.838	-21.2258	2.04015	-0.51398	14.39813	-2037.35
49068_9069	49068	9069	525.8379	32.08065	-2.04015	0.513975	-30.7267	1824.164
49069_9069	49069	9069	-525.822	-39.2747	5.965313	-1.46606	30.72668	-1824.17
49069_9070	49069	9070	525.8216	49.7889	-5.96531	1.466063	-76.9353	1479.154
49070_9070	49070	9070	-525.819	-49.7889	6.009938	-1.59364	76.93534	-1479.15
49070_9071	49070	9071	525.8187	60.31331	-6.00994	1.593638	-123.554	1052.094
49071_9071	49071	9071	-525.808	-60.3133	6.942863	-2.98699	123.5543	-1016.19
49071_9072	49071	9072	525.8077	73.20495	-6.94286	2.986988	-189.514	385.7768
49072_9072	49072	9072	21.49298	173.1741	-3.16654	5.262338	80.04045	2071.668
49072_9073	49072	9073	-19.6479	-156.218	3.166538	-5.26234	-40.2772	17.82807
49073_9073	49073	9073	15.54368	156.6786	-3.17205	4.17585	40.40243	-17.8299
49073_9074	49073	9074	-14.1566	-139.712	3.17205	-4.17585	-0.6258	1894.915
49074_9074	49074	9074	10.20941	130.7169	0.648375	4.668038	0.706125	-1894.93
49074_9075	49074	9075	-9.21769	-112.744	-0.64838	-4.66804	-9.29985	3595.401
49075_9075	49075	9075	6.477975	209.3025	2.8161	18.2574	28.16966	11880.11
49075_9076	49075	9076	-6.03173	-193.507	-2.8161	-18.2574	-61.2678	-9441.55
49076_9076	49076	9076	2.7153	178.4701	0.142275	-0.88489	61.71375	9441.883
49076_9077	49076	9077	-2.60662	-167.389	-0.14228	0.884888	-62.8814	-7741.1
49077_9077	49077	9077	1.17075	162.6269	0.142013	1.4868	62.87111	7740.684
49077_9078	49077	9078	-1.17075	-144.191	-0.14201	-1.4868	-64.8086	-5636.84
49078_9078	49078	9078	1.168125	135.5792	-1.197	-0.52815	64.80863	5636.843
49078_9079	49078	9079	-1.16813	-120.578	1.197	0.52815	-51.4495	-4207.7
49079_9079	49079	9079	1.166813	120.5778	-1.1991	3.449775	51.44948	4207.697
49079_9080	49079	9080	-1.16681	-105.566	1.1991	-3.44978	-38.0699	-2944.93
49080_9080	49080	9080	1.166813	96.4908	-0.33259	1.071788	38.06985	2944.923
49080_9081	49080	9081	-1.16681	-81.4792	0.332588	-1.07179	-34.3505	-1951.26
49081_9081	49081	9081	1.166813	81.47921	-0.33259	1.071788	34.35049	1951.261
49081_9082	49081	9082	-1.16681	-66.4679	0.332588	-1.07179	-30.6309	-1125.22
49082_9082	49082	9082	1.165238	57.29168	-0.45098	-0.10526	30.63086	1125.218
49082_9083	49082	9083	-1.16524	-41.1506	0.450975	0.105262	-25.22	-534.243
49083_9083	49083	9083	1.165238	41.15055	-0.45124	0.315788	25.21995	534.2431
49083_9084	49083	9084	-1.16524	-25.0252	0.451238	-0.31579	-19.8035	-137.317
49084_9084	49084	9084	1.165238	15.84083	0.0189	-0.81244	19.80353	137.3164
49084_9085	49084	9085	-1.16524	-0.83528	-0.0189	0.812438	-20.0185	-44.2294
49085_9085	49085	9085	1.163925	0.835275	0.01785	-0.7728	20.01851	44.23125
49085_9086	49085	9086	-1.16393	14.17185	-0.01785	0.7728	-20.2259	-118.682
49086_9086	49086	9086	1.163925	-22.9569	-1.09253	-1.50203	20.22589	118.6818
49086_9087	49086	9087	-1.16393	37.97693	1.092525	1.502025	-8.00468	-459.091
49087_9087	49087	9087	1.163925	-37.9769	-1.09515	-1.11011	8.004675	459.0918
49087_9088	49087	9088	-1.16393	52.98248	1.09515	1.110113	4.217063	-966.758
49088_9088	49088	9088	1.163663	-61.5633	0.920588	-1.34426	-4.21706	966.7605
49088_9089	49088	9089	-1.16366	79.28498	-0.92059	1.344263	-7.92514	-2046.82
49089_9089	49089	9089	1.855088	-79.2726	0.9198	-0.25358	7.923563	2047.07
49089_9090	49089	9090	-1.96665	90.37166	-0.9198	0.253575	-15.525	-2803.63
49090_9090	49090	9090	3.9228	-106.458	-3.675	-1.95563	15.48225	2803.569
49090_9091	49090	9091	-4.37378	122.2415	3.675	1.955625	27.67223	-4017.71
49091_9091	49091	9091	11.05309	-120	-1.73434	-0.69536	-37.605	3680.052
49091_9092	49091	9092	-12.0278	137.666	1.734338	0.695363	60.62306	-5423.7
49092_9092	49092	9092	16.22408	-147.618	2.485875	-12.3131	-61.6198	5423.542
49092_9093	49092	9093	-17.5865	164.2854	-2.48588	12.31309	30.46313	-7417.76
49093_9093	49093	9093	21.88331	-163.766	2.473013	5.835375	-29.0023	7417.779

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49093_9094	49093	9094	-23.6961	180.4323	-2.47301	-5.83538	-2.06719	-9434.72
49094_9094	49094	9094	-737.804	109.4546	-4.6032	-0.22418	55.07513	3363.027
49094_9095	49094	9095	737.8043	-96.794	4.6032	0.224175	-11.3463	-2383.63
49095_9095	49095	9095	-737.811	96.79399	-3.44873	3.6834	11.3463	2346.745
49095_9096	49095	9096	737.8106	-86.4536	3.448725	-3.6834	15.3993	-1636.16
49096_9096	49096	9096	-737.811	86.45359	-3.48469	3.6036	-15.3993	1636.166
49096_9097	49096	9097	737.8106	-76.1279	3.484688	-3.6036	42.3843	-1006.53
49097_9097	49097	9097	-737.823	68.57524	0.113925	-0.01969	-42.3843	1006.512
49097_9098	49097	9098	737.8235	-57.9007	-0.11393	0.019687	41.47316	-500.28
49098_9098	49098	9098	-737.823	57.90068	1.00275	0.582488	-41.4732	500.2799
49098_9099	49098	9099	737.8235	-47.2421	-1.00275	-0.58249	33.45431	-79.9746
49099_9099	49099	9099	-737.823	47.24213	1.03425	0.584588	-33.4543	79.97456
49099_9100	49099	9100	737.8235	-36.5689	-1.03425	-0.58459	25.1685	255.4742
49100_9100	49100	9100	-737.82	28.24133	0.290588	0.06825	-25.1685	-255.474
49100_9101	49100	9101	737.8203	-20.2361	-0.29059	-0.06825	23.42524	400.9955
49101_9101	49101	9101	-737.82	20.23613	0.248325	0.092663	-23.4252	-400.996
49101_9102	49101	9102	737.8203	-12.2483	-0.24833	-0.09266	21.93398	498.3418
49102_9102	49102	9102	-737.82	12.24825	0.290588	0.063	-21.934	-498.342
49102_9103	49102	9103	737.8203	-4.24305	-0.29059	-0.063	20.1936	547.8409
49103_9103	49103	9103	-737.819	4.24305	1.518563	-0.84814	-20.1936	-547.839
49103_9104	49103	9104	737.8187	3.759263	-1.51856	0.848138	11.07698	549.2904
49104_9104	49104	9104	-737.822	-12.0228	-0.57908	-0.33443	-11.077	-549.291
49104_9105	49104	9105	737.8221	22.68	0.579075	0.334425	15.71614	410.5894
49105_9105	49105	9105	-737.822	-22.68	0.3696	-0.86231	-15.7161	-410.589
49105_9106	49105	9106	737.8221	33.34879	-0.3696	0.862313	12.75645	186.3674
49106_9106	49106	9106	-737.821	-33.3488	0.342825	-0.85575	-12.7565	-186.367
49106_9107	49106	9107	737.8208	44.00734	-0.34283	0.85575	10.02041	-122.819
49107_9107	49107	9107	-737.811	-51.2789	3.631163	-2.90955	-10.0204	122.8303
49107_9108	49107	9108	737.8114	61.6161	-3.63116	2.90955	-18.138	-560.477
49108_9108	49108	9108	-737.811	-61.6161	3.631163	-2.90955	18.13796	560.4766
49108_9109	49108	9109	737.8114	71.95204	-3.63116	2.90955	-46.2963	-1078.26
49109_9109	49109	9109	-737.807	-71.952	4.381913	-1.5645	46.29634	1120.21
49109_9110	49109	9110	737.8074	84.62291	-4.38191	1.5645	-87.9488	-1882.87
49110_9110	49110	9110	14.42805	207.7732	-2.68328	-1.13899	37.57373	7669.203
49110_9111	49110	9111	-12.6139	-191.116	2.683275	1.138988	-3.87713	-5139.2
49111_9111	49111	9111	7.230825	186.6176	-2.67094	6.97935	3.2214	5139.199
49111_9112	49111	9112	-5.86845	-169.947	2.670938	-6.97935	30.28043	-2881.22
49112_9112	49112	9112	1.112213	159.747	1.022963	0.32025	-29.7195	2881.315
49112_9113	49112	9113	-0.13597	-142.089	-1.02296	-0.32025	16.15373	-877.079
49113_9113	49113	9113	-4.95889	239.8536	2.467238	14.72284	-22.3424	16470.36
49113_9114	49113	9114	5.408025	-224.201	-2.46724	-14.7228	-6.65175	-13660.7
49114_9114	49114	9114	-9.28358	209.0944	0.345975	-0.85234	7.0308	13661.08
49114_9115	49114	9115	9.39225	-198.107	-0.34598	0.852338	-9.87814	-12857.2
49115_9115	49115	9115	-11.1234	198.0143	0.345975	1.195688	9.870263	12857.78
49115_9116	49115	9116	11.12344	-179.754	-0.34598	-1.19569	-14.6281	-8993.43
49116_9116	49116	9116	-11.1219	169.8551	-0.47539	-5.39385	14.62808	8993.435
49116_9117	49116	9117	11.12186	-154.99	0.475388	5.39385	-9.31061	-7180.47
49117_9117	49117	9117	-11.1219	154.9897	-0.45675	7.579163	9.310613	7180.473
49117_9118	49117	9118	11.12186	-140.114	0.45675	-7.57916	-4.21339	-5532.08
49118_9118	49118	9118	-11.1219	131.3059	-0.25331	-2.79143	4.213388	5532.079
49118_9119	49118	9119	11.12186	-116.443	0.253313	2.791425	-1.39099	-4149.44
49119_9119	49119	9119	-11.1219	116.4434	-0.23179	4.699013	1.390988	4149.444
49119_9120	49119	9120	11.12186	-101.565	0.231788	-4.69901	1.209075	-2931.73
49120_9120	49120	9120	-11.1219	92.51708	0.076388	-1.27103	-1.20908	2931.732
49120_9121	49120	9121	11.12186	-76.55	-0.07639	1.271025	0.286388	-1918.07
49121_9121	49121	9121	-11.1234	76.54999	0.093975	1.947488	-0.28639	1918.073
49121_9122	49121	9122	11.12344	-60.5672	-0.09398	-1.94749	-0.861	-1095.3
49122_9122	49122	9122	-11.1234	52.03616	-0.08085	-0.98464	0.861	1095.302

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49122_9123	49122	9123	11.12344	-37.1608	0.08085	0.984637	0.041738	-597.096
49123_9123	49123	9123	-11.1234	37.16081	-0.05171	0.6195	-0.04174	597.0961
49123_9124	49123	9124	11.12344	-22.2852	0.051713	-0.6195	0.611887	-265.075
49124_9124	49124	9124	-11.1234	9.55815	-0.38194	-0.63761	-0.61189	265.0743
49124_9125	49124	9125	11.12344	5.304338	0.381938	0.637613	4.881188	-241.347
49125_9125	49125	9125	-11.1248	-5.30434	-0.36199	-0.20423	-4.88119	241.347
49125_9126	49125	9126	11.12475	20.18126	0.361988	0.204225	8.931563	-383.686
49126_9126	49126	9126	-11.1221	-27.1953	1.2138	-0.03203	-8.93156	383.6865
49126_9127	49126	9127	11.12213	45.02663	-1.2138	0.032025	-7.32165	-867.225
49127_9127	49127	9127	-10.7342	-45.1201	1.22955	0.79695	7.329	864.3015
49127_9128	49127	9128	10.62836	56.09336	-1.22955	-0.79695	-17.4623	-1281.32
49128_9128	49128	9128	-9.42349	-66.7976	-3.80835	1.397813	17.49431	1281.322
49128_9129	49128	9129	8.980388	82.44469	3.80835	-1.39781	27.27585	-2309.5
49129_9129	49129	9129	2.48955	-79.491	-0.46043	-0.07665	-18.2044	1819.69
49129_9130	49129	9130	-3.47366	97.3434	0.460425	0.07665	24.30225	-2988.62
49130_9130	49130	9130	8.26035	-128.124	1.613588	-2.75783	-24.5443	2988.606
49130_9131	49130	9131	-9.63532	144.9664	-1.61359	2.757825	4.319438	-4722.93
49131_9131	49131	9131	13.42504	-144.664	1.615688	1.009838	-4.01573	4722.936
49131_9132	49131	9132	-15.2568	161.5199	-1.61569	-1.00984	-16.2868	-6705.85
49132_9132	49132	9132	-591.626	114.225	0.874387	3.747975	-3.87056	2919.538
49132_9133	49132	9133	591.6259	-101.424	-0.87439	-3.74798	-4.4226	-1810.17
49133_9133	49133	9133	-591.627	101.4245	0.109987	1.388363	4.4226	1684.192
49133_9134	49133	9134	591.6267	-90.9828	-0.10999	-1.38836	-5.27389	-938.614
49134_9134	49134	9134	-591.626	90.98276	0.874387	2.599013	5.273888	938.6121
49134_9135	49134	9135	591.6259	-80.5397	-0.87439	-2.59901	-12.0372	-273.965
49135_9135	49135	9135	-591.627	72.15836	-0.00656	0.875438	12.0372	273.966
49135_9136	49135	9136	591.6272	-61.3791	0.006562	-0.87544	-11.9847	260.1848
49136_9136	49136	9136	-591.627	61.37906	0.732375	0.5481	11.9847	-260.186
49136_9137	49136	9137	591.627	-50.6011	-0.73238	-0.5481	-17.8458	708.1027
49137_9137	49137	9137	-591.627	50.60108	0.732375	0.5481	17.8458	-708.103
49137_9138	49137	9138	591.627	-39.8218	-0.73238	-0.5481	-23.7095	1069.786
49138_9138	49138	9138	-591.626	30.7713	-1.12508	0.97545	23.70953	-1069.78
49138_9139	49138	9139	591.6257	-22.6881	1.125075	-0.97545	-16.9494	1230.162
49139_9139	49139	9139	-591.629	22.68814	-0.14018	-1.07494	16.94936	-1230.16
49139_9140	49139	9140	591.6285	-14.6037	0.140175	1.074938	-16.1081	1342.03
49140_9140	49140	9140	-591.629	14.60366	-0.14018	-1.07494	16.10805	-1342.03
49140_9141	49140	9141	591.6285	-6.51788	0.140175	1.074938	-15.2641	1405.397
49141_9141	49141	9141	-591.626	6.517875	-1.12508	1.2663	15.26411	-1405.4
49141_9142	49141	9142	591.6257	1.5666	1.125075	-1.2663	-8.50658	1420.252
49142_9142	49142	9142	-591.629	-14.9806	-0.20291	-1.1235	8.506575	-1420.25
49142_9143	49142	9143	591.6285	25.75991	0.202913	1.1235	-6.8901	1257.301
49143_9143	49143	9143	-591.626	-25.7599	-0.94185	0.449663	6.8901	-1257.3
49143_9144	49143	9144	591.6257	36.53921	0.94185	-0.44966	0.641288	1008.116
49144_9144	49144	9144	-591.629	-36.5392	-0.20291	-0.81034	-0.64129	-1008.12
49144_9145	49144	9145	591.6285	47.3172	0.202913	0.810338	2.257763	672.6967
49145_9145	49145	9145	-591.625	-54.7971	2.8182	-2.8833	-2.25776	-672.695
49145_9146	49145	9146	591.6246	65.23886	-2.8182	2.8833	-19.583	207.5538
49146_9146	49146	9146	-591.627	-65.2389	2.0538	-2.61765	19.58303	-207.559
49146_9147	49146	9147	591.6275	75.6819	-2.0538	2.61765	-35.5047	-338.512
49147_9147	49147	9147	-591.625	-75.6819	2.8182	-1.61989	35.5047	456.2439
49147_9148	49147	9148	591.6246	88.48245	-2.8182	1.619888	-62.2726	-1236.02
49148_9148	49148	9148	-21.0399	171.0138	-2.79641	2.9274	15.97234	4394.254
49148_9149	49148	9149	22.86716	-154.171	2.796413	-2.9274	19.14885	-2351.29
49149_9149	49149	9149	-26.9028	153.5184	-2.79641	3.427988	-19.0646	2351.285
49149_9150	49149	9150	28.27624	-136.677	2.796413	-3.42799	54.10493	-532.386
49150_9150	49150	9150	-32.1901	126.1885	1.89105	2.845238	-53.9041	532.3826
49150_9151	49150	9151	33.17108	-108.336	-1.89105	-2.84524	28.81751	1023.324
49151_9151	49151	9151	-27.2711	212.0533	0.374063	-4.48849	-46.5888	13784.59

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49151_9152	49151	9152	27.72499	-195.981	-0.37406	4.488488	42.18323	-11386.7
49152_9152	49152	9152	-31.0057	182.8079	2.092125	4.80165	-42.3237	11386.66
49152_9153	49152	9153	31.11596	-171.522	-2.09213	-4.80165	25.06429	-9924.99
49153_9153	49153	9153	-32.5791	171.2516	2.0685	-2.41238	-25.0241	9921.705
49153_9154	49153	9154	32.57914	-152.443	-2.0685	2.412375	-3.41276	-7696.3
49154_9154	49154	9154	-32.5791	143.4024	-0.22286	-2.43863	3.412763	7696.301
49154_9155	49154	9155	32.57914	-128.356	0.222863	2.438625	-0.96758	-6201.62
49155_9155	49155	9155	-32.5791	128.3557	-0.19215	3.19935	0.967575	6201.616
49155_9156	49155	9156	32.57914	-113.31	0.19215	-3.19935	1.153425	-4872.45
49156_9156	49156	9156	-32.5791	105.2919	-0.22418	-2.00156	-1.15343	4872.448
49156_9157	49156	9157	32.57914	-91.613	0.224175	2.001563	3.394125	-3887.92
49157_9157	49157	9157	-32.5791	91.61303	-0.19294	1.885275	-3.39413	3887.915
49157_9158	49157	9158	32.57914	-77.9342	0.192938	-1.88528	5.309063	-3040.17
49158_9158	49158	9158	-32.5791	70.35893	0.240188	-1.43666	-5.30906	3040.173
49158_9159	49158	9159	32.57914	-56.6787	-0.24019	1.436663	2.923988	-2404.99
49159_9159	49159	9159	-32.5791	56.67874	0.271425	0.968888	-2.92399	2404.988
49159_9160	49159	9160	32.57914	-42.9999	-0.27143	-0.96889	0.210525	-1906.59
49160_9160	49160	9160	-32.5791	35.13038	-0.33863	-0.58275	-0.21052	1906.591
49160_9161	49160	9161	32.57914	-20.0981	0.338625	0.58275	3.926475	-1603.12
49161_9161	49161	9161	-32.5791	15.32055	-0.33731	-0.5817	-3.92648	1603.115
49161_9162	49161	9162	32.57914	-0.27379	0.337313	0.5817	7.64295	-1517.35
49162_9162	49162	9162	-32.5807	-6.95782	0.5817	0.704287	-7.64295	1517.354
49162_9163	49162	9163	32.58071	25.76595	-0.5817	-0.70429	-0.35857	-1742.32
49163_9163	49163	9163	-32.3618	-26.039	0.5418	-1.37235	0.345975	1744.635
49163_9164	49163	9164	32.25311	37.32435	-0.5418	1.37235	-4.81976	-2006.03
49164_9164	49164	9164	-31.3842	-48.4066	-2.20185	2.9169	4.90455	2006.03
49164_9165	49164	9165	30.93326	64.47893	2.20185	-2.9169	20.97743	-2669.43
49165_9165	49165	9165	-22.229	-62.6028	-0.38561	-2.793	-32.3303	2186.023
49165_9166	49165	9166	21.22575	80.9781	0.385613	2.793	37.44353	-3138.44
49166_9166	49166	9166	-18.5412	-90.0918	1.706513	-4.11705	-37.6709	3138.439
49166_9167	49166	9167	17.13469	107.426	-1.70651	4.11705	16.27894	-4376.41
49167_9167	49167	9167	-14.3094	-107.838	1.726725	-0.20633	-16.0288	4376.412
49167_9168	49167	9168	12.43515	125.1739	-1.72673	0.206325	-5.66633	-5840.24
49168_9168	49168	9168	-523.997	121.7667	-0.75889	2.560163	13.92431	3052.553
49168_9169	49168	9169	523.9973	-108.593	0.758888	-2.56016	-6.71528	-1958.35
49169_9169	49169	9169	-523.999	108.5928	-0.20816	4.662525	6.715275	1849.221
49169_9170	49169	9170	523.9986	-97.8456	0.208163	-4.66253	-5.1093	-1049.28
49170_9170	49170	9170	-523.997	97.84556	-0.88279	3.3096	5.1093	1049.282
49170_9171	49170	9171	523.997	-87.097	0.882788	-3.3096	1.736175	-332.632
49171_9171	49171	9171	-523.999	78.45731	0.412388	1.075725	-1.73618	332.6271
49171_9172	49171	9172	523.9986	-67.363	-0.41239	-1.07573	-1.56266	250.6589
49172_9172	49172	9172	-523.999	67.36301	-0.24229	1.390988	1.562663	-250.657
49172_9173	49172	9173	523.9986	-56.2687	0.242288	-1.39099	0.379312	745.1887
49173_9173	49173	9173	-523.999	56.26871	0.412388	0.458588	-0.37931	-745.193
49173_9174	49173	9174	523.9986	-45.1744	-0.41239	-0.45859	-2.92084	1150.969
49174_9174	49174	9174	-523.999	35.76615	0.4725	-0.57855	2.920837	-1150.97
49174_9175	49174	9175	523.9986	-27.4454	-0.4725	0.57855	-5.76056	1340.604
49175_9175	49175	9175	-523.999	27.44543	-0.39979	1.656113	5.760563	-1340.6
49175_9176	49175	9176	523.9986	-19.1247	0.399788	-1.65611	-3.3579	1480.311
49176_9176	49176	9176	-523.999	19.1247	0.4725	-0.81008	3.3579	-1480.31
49176_9177	49176	9177	523.9986	-10.804	-0.4725	0.810075	-6.19763	1570.095
49177_9177	49177	9177	-523.999	10.80398	0.4725	-0.81008	6.197625	-1570.1
49177_9178	49177	9178	523.9986	-2.48325	-0.4725	0.810075	-9.03735	1609.955
49178_9178	49178	9178	-523.999	-6.96334	0.115238	-0.45465	9.03735	-1609.96
49178_9179	49178	9179	523.9986	18.05764	-0.11524	0.45465	-9.95794	1509.88
49179_9179	49179	9179	-523.999	-18.0576	0.769913	-2.3415	9.957938	-1509.88
49179_9180	49179	9180	523.9986	29.15063	-0.76991	2.3415	-16.1209	1321.048
49180_9180	49180	9180	-523.999	-29.1506	0.115238	-0.69143	16.12091	-1321.05

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49180_9181	49180	9181	523.9986	40.24624	-0.11524	0.691425	-17.0402	1043.464
49181_9181	49181	9181	-523.999	-48.2024	1.688925	-3.53771	17.04019	-1043.46
49181_9182	49181	9182	523.9986	58.94831	-1.68893	3.537713	-30.1214	628.2515
49182_9182	49182	9182	-523.999	-63.7258	1.688925	-3.53771	30.12135	-628.251
49182_9183	49182	9183	523.9986	74.4744	-1.68893	3.537713	-43.2041	92.72183
49183_9183	49183	9183	-524	-74.4744	1.135313	-3.23033	43.20409	4.3302
49183_9184	49183	9184	523.9999	87.64823	-1.13531	3.230325	-53.9989	-789.905
49184_9184	49184	9184	-10.3044	161.9357	-2.85679	2.93055	37.4136	3187.997
49184_9185	49184	9185	12.17711	-144.602	2.856788	-2.93055	-1.52722	-1235.82
49185_9185	49185	9185	-15.9637	144.2317	-2.83526	3.846413	1.531425	1235.818
49185_9186	49185	9186	17.36831	-126.897	2.835263	-3.84641	34.00241	519.463
49186_9186	49186	9186	-21.0223	116.6366	0.560175	2.762025	-33.7998	-519.459
49186_9187	49186	9187	22.02533	-98.2627	-0.56018	-2.76203	26.37075	2078.956
49187_9187	49187	9187	-38.2772	211.6661	2.253825	-1.89289	-18.8373	14169.92
49187_9188	49187	9188	38.73765	-195.168	-2.25383	1.892888	-7.64426	-11587.8
49188_9188	49188	9188	-41.9751	180.7654	-0.74419	3.713325	7.564462	11587.78
49188_9189	49188	9189	42.08689	-169.182	0.744188	-3.71333	-1.4133	-9285.84
49189_9189	49189	9189	-43.5094	168.8206	-0.77674	-2.92189	1.446375	9278.654
49189_9190	49189	9190	43.50938	-149.515	0.776738	2.921888	9.240525	-7090.09
49190_9190	49190	9190	-43.5091	140.6801	0.306338	3.116138	-9.24053	7090.087
49190_9191	49190	9191	43.50911	-125.235	-0.30634	-3.11614	5.870813	-5627.56
49191_9191	49191	9191	-43.5091	125.2348	0.2667	-1.99999	-5.87081	5627.564
49191_9192	49191	9192	43.50911	-109.79	-0.2667	1.999988	2.9358	-4334.94
49192_9192	49192	9192	-43.5091	101.2224	-0.41055	-1.96665	-2.9358	4334.938
49192_9193	49192	9193	43.50911	-87.2511	0.41055	1.96665	7.022138	-3397.29
49193_9193	49193	9193	-43.5091	87.25106	-0.36724	1.447688	-7.02214	3397.286
49193_9194	49193	9194	43.50911	-73.2795	0.367238	-1.44769	10.67351	-2598.64
49194_9194	49194	9194	-43.5075	64.9551	-0.91481	-1.35371	-10.6735	2598.645
49194_9195	49194	9195	43.50754	-50.9851	0.914813	1.353713	19.7841	-2021.83
49195_9195	49195	9195	-43.5075	50.98511	-0.8715	0.677775	-19.7841	2021.833
49195_9196	49195	9196	43.50754	-37.0298	0.8715	-0.67778	28.44975	-1584.4
49196_9196	49196	9196	-43.5099	28.02056	-0.54416	-1.53431	-28.4498	1584.396
49196_9197	49196	9197	43.5099	-12.5753	0.544163	1.534313	34.43475	-1361.12
49197_9197	49197	9197	-43.5115	12.57533	-0.50453	-0.29741	-34.4348	1361.117
49197_9198	49197	9198	43.51148	2.869913	0.504525	0.297413	39.98636	-1307.73
49198_9198	49198	9198	-43.5204	-16.0668	0.83475	-0.38483	-39.9864	1307.74
49198_9199	49198	9199	43.5204	35.38579	-0.83475	0.384825	28.48676	-1711.58
49199_9199	49199	9199	-43.2235	-35.7496	0.865988	1.268663	-28.4771	1722.249
49199_9200	49199	9200	43.11038	47.33269	-0.86599	-1.26866	21.32051	-2075.26
49200_9200	49200	9200	-42.0181	-60.159	-5.4096	3.002213	-21.2628	2075.283
49200_9201	49200	9201	41.55244	76.65814	5.4096	-3.00221	84.84079	-2903.45
49201_9201	49201	9201	-32.1896	-73.0582	-1.87268	-3.14344	-100.219	2194.047
49201_9202	49201	9202	31.15796	91.95349	1.872675	3.143438	125.0555	-3289.18
49202_9202	49202	9202	-28.1867	-102.383	4.1538	-3.42169	-125.348	3289.161
49202_9203	49202	9203	26.7456	120.2114	-4.1538	3.421688	73.26716	-4665.93
49203_9203	49203	9203	-23.6334	-120.863	4.125713	-5.2059	-73.7	4665.918
49203_9204	49203	9204	21.71348	138.689	-4.12571	5.2059	21.86153	-6312.57
49204_9204	49204	9204	-591.062	122.9988	-3.39071	5.6763	11.78993	3293.949
49204_9205	49204	9205	591.0623	-109.45	3.390713	-5.6763	20.41804	-2157.21
49205_9205	49205	9205	-591.065	109.4502	-2.76833	8.696625	-20.418	1997.181
49205_9206	49205	9206	591.0652	-98.3976	2.768325	-8.69663	41.86954	-1191.78
49206_9206	49206	9206	-591.065	98.3976	-2.76833	8.696625	-41.8695	1191.776
49206_9207	49206	9207	591.0652	-87.3448	2.768325	-8.69663	63.32235	-472.026
49207_9207	49207	9207	-591.08	78.71141	-0.45071	3.7044	-63.3224	472.0083
49207_9208	49207	9208	591.0797	-67.3008	0.450713	-3.7044	66.93278	112.0347
49208_9208	49208	9208	-591.081	67.3008	0.288225	3.564488	-66.9328	-112.039
49208_9209	49208	9209	591.0815	-55.8915	-0.28823	-3.56449	64.63039	604.8081
49209_9209	49209	9209	-591.079	55.8915	1.027163	2.808488	-64.6304	-604.811

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49209_9210	49209	9210	591.0789	-44.4822	-1.02716	-2.80849	56.41781	1006.306
49210_9210	49210	9210	-591.071	34.48725	0.147262	4.821338	-56.4178	-1006.3
49210_9211	49210	9211	591.0713	-25.9303	-0.14726	-4.82134	55.5345	1187.562
49211_9211	49211	9211	-591.072	25.93028	1.1319	2.841563	-55.5345	-1187.57
49211_9212	49211	9212	591.0715	-17.3746	-1.1319	-2.84156	48.73995	1317.486
49212_9212	49212	9212	-591.069	17.37461	2.118113	0.646538	-48.74	-1317.49
49212_9213	49212	9213	591.0686	-8.81633	-2.11811	-0.64654	36.03233	1396.065
49213_9213	49213	9213	-591.063	8.816325	3.103013	-1.68079	-36.0323	-1396.06
49213_9214	49213	9214	591.0629	-0.26066	-3.10301	1.680788	17.4174	1423.294
49214_9214	49214	9214	-591.08	-9.63244	-0.29138	2.632613	-17.4174	-1423.32
49214_9215	49214	9215	591.0799	21.0273	0.291375	-2.63261	19.74131	1300.828
49215_9215	49215	9215	-591.08	-21.0273	1.178363	-0.60218	-19.7413	-1300.83
49215_9216	49215	9216	591.0797	32.43949	-1.17836	0.602175	10.30601	1086.948
49216_9216	49216	9216	-591.075	-32.4395	2.656238	-3.31958	-10.306	-1086.94
49216_9217	49216	9217	591.0747	43.84879	-2.65624	3.319575	-10.9497	781.7583
49217_9217	49217	9217	-591.033	-51.7382	6.971738	-5.97791	10.94966	-781.738
49217_9218	49217	9218	591.0327	62.79394	-6.97174	5.977913	-64.9987	337.869
49218_9218	49218	9218	-591.001	-62.7939	9.260475	-7.28411	64.99868	-337.844
49218_9219	49218	9219	591.0006	73.84676	-9.26048	7.284113	-136.778	-191.75
49219_9219	49219	9219	-590.997	-78.6243	9.499875	-4.90901	136.7783	334.5568
49219_9220	49219	9220	590.9972	92.17714	-9.49988	4.909013	-227.057	-1146.05
49220_9220	49220	9220	-14.5766	163.1151	-4.77986	6.673275	52.13801	3765.462
49220_9221	49220	9221	16.49314	-145.295	4.779863	-6.67328	7.867388	-1829.19
49221_9221	49221	9221	-20.2542	144.8223	-4.68116	12.66983	-8.12096	1829.156
49221_9222	49221	9222	21.69379	-126.988	4.681163	-12.6698	66.81334	-126.24
49222_9222	49222	9222	-25.1955	114.6015	3.4503	0.493763	-65.8004	126.5585
49222_9223	49222	9223	26.22401	-95.7093	-3.4503	-0.49376	20.04319	1282.03
49223_9223	49223	9223	-21.6563	216.5651	8.043788	46.01809	32.23736	14100.16
49223_9224	49223	9224	22.13453	-199.461	-8.04379	-46.0181	-126.776	-11861.6
49224_9224	49224	9224	-25.798	179.3644	-3.09986	-17.6453	127.9992	11864.38
49224_9225	49224	9225	25.91138	-167.344	3.099863	17.64525	-102.416	-10087.5
49225_9225	49225	9225	-27.3126	167.123	-3.00746	15.42109	102.2661	10087.57
49225_9226	49225	9226	27.3126	-146.034	3.007463	-15.4211	-58.7178	-7819.87
49226_9226	49226	9226	-27.2535	132.5334	0.545213	-6.87566	58.71784	7820.777
49226_9227	49226	9227	27.25354	-115.974	-0.54521	6.875663	-64.9063	-6407.79
49227_9227	49227	9227	-27.252	115.9743	0.61635	10.0107	64.90628	6407.781
49227_9228	49227	9228	27.25196	-99.4122	-0.61635	-10.0107	-71.9114	-5182.95
49228_9228	49228	9228	-27.2677	88.3029	-1.68656	-5.1723	71.91135	5183.171
49228_9229	49228	9229	27.26771	-71.7539	1.686563	5.1723	-52.7349	-4273.58
49229_9229	49229	9229	-27.2732	71.75385	-1.61674	6.091838	52.73494	4273.578
49229_9230	49229	9230	27.27323	-55.2006	1.616738	-6.09184	-34.371	-3552
49230_9230	49230	9230	-27.3347	43.6422	9.58335	-6.97541	34.37096	3551.827
49230_9231	49230	9231	27.33465	-26.1096	-9.58335	6.975413	-149.752	-3131.89
49231_9231	49231	9231	-27.3118	26.10956	9.64635	0.250688	149.7521	3131.899
49231_9232	49231	9232	27.31181	-13.0381	-9.64635	-0.25069	-236.337	-3044.87
49232_9232	49232	9232	-27.3268	12.9297	9.748725	10.60658	236.382	3045.478
49232_9233	49232	9233	27.30656	-8.44935	-9.74873	-10.6066	-266.371	-3011.6
49233_9233	49233	9233	-27.0084	-7.24789	-27.7268	-13.4626	266.165	3011.505
49233_9234	49233	9234	26.78445	21.12364	27.72683	13.46258	-1.9068	-3150.77
49234_9234	49234	9234	-26.57	-21.488	-27.6541	-5.42588	1.947487	3150.793
49234_9235	49234	9235	26.22953	32.24314	27.65411	5.425875	202.4122	-3355.28
49235_9235	49235	9235	-25.8261	-32.6369	-27.573	-3.71175	-202.526	3366.551
49235_9236	49235	9236	25.40186	41.70285	27.573	3.71175	374.3381	-3535.11
49236_9236	49236	9236	-24.9572	-50.406	30.43556	-7.73378	-374.901	3534.99
49236_9237	49236	9237	24.05786	64.7409	-30.4356	7.733775	74.77759	-4108.41
49237_9237	49237	9237	-31.7486	-43.4923	31.34775	4.230975	-209.947	580.2255
49237_9238	49237	9238	30.60199	57.43946	-31.3478	-4.23098	-83.5716	-1057.47
49238_9238	49238	9238	-26.879	-74.7941	-3.04579	-14.3375	82.02968	1056.868

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49238_9239	49238	9239	25.52576	88.14278	3.045788	14.33749	-54.6963	-1795.46
49239_9239	49239	9239	-24.3737	-88.4727	-2.97701	-11.4597	54.88928	1795.48
49239_9240	49239	9240	23.70375	94.31546	2.977013	11.4597	-43.1763	-2137.32
49240_9240	49240	9240	-395.898	139.497	-4.07899	28.75871	66.40909	1842.823
49240_9241	49240	9241	395.898	-130.041	4.078988	-28.7587	-40.5775	-989.548
49241_9241	49241	9241	-396.028	112.4608	-1.30725	0.9009	40.57751	988.2149
49241_9242	49241	9242	396.0277	-107.74	1.30725	-0.9009	-36.4476	-640.223
49242_9242	49242	9242	-396.029	107.7397	-0.54101	2.165625	36.4476	618.6936
49242_9243	49242	9243	396.0288	-89.2844	0.541013	-2.16563	-29.7588	598.3018
49243_9243	49243	9243	-396.03	89.28439	0.506362	0.581438	29.75884	-598.303
49243_9244	49243	9244	396.0303	-75.8628	-0.50636	-0.58144	-34.3116	1340.135
49244_9244	49244	9244	-395.625	65.56384	-8.53519	11.67626	34.31164	-1339.53
49244_9245	49244	9245	395.6248	-49.9488	8.535188	-11.6763	54.91054	1943.232
49245_9245	49245	9245	-395.648	49.94876	-7.43741	6.276638	-54.9105	-1943.26
49245_9246	49245	9246	395.6481	-36.2513	7.437413	-6.27664	123.102	2338.467
49246_9246	49246	9246	-395.878	29.31574	0.023625	8.932613	-123.102	-2338.14
49246_9247	49246	9247	395.8778	-13.5563	-0.02363	-8.93261	122.8387	2564.261
49247_9247	49247	9247	-395.877	13.55629	1.344788	0.381937	-122.839	-2564.28
49247_9248	49247	9248	395.8765	0.014437	-1.34479	-0.38194	110.6193	2625.79
49248_9248	49248	9248	-395.879	-8.61341	2.4318	3.136613	-110.619	-2625.56
49248_9249	49248	9249	395.8786	22.7871	-2.4318	-3.13661	87.5574	2476.58
49249_9249	49249	9249	-395.872	-22.7871	3.3978	-2.92005	-87.5574	-2476.58
49249_9250	49249	9250	395.8723	37.92889	-3.3978	2.92005	53.11346	2168.913
49250_9250	49250	9250	-395.959	-45.2125	9.8805	-4.2777	-53.1135	-2168.75
49250_9251	49250	9251	395.9592	59.96734	-9.8805	4.2777	-44.4859	1649.322
49251_9251	49251	9251	-395.934	-59.9673	10.85096	-8.31731	44.48588	-1649.31
49251_9252	49251	9252	395.9337	74.53084	-10.851	8.317313	-150.277	993.7066
49252_9252	49252	9252	-395.597	-88.7505	-8.1144	-43.0077	150.2768	-994.265
49252_9253	49252	9253	395.5967	93.47021	8.1144	43.00774	-124.638	706.4096
49253_9253	49253	9253	-395.611	-93.4702	-7.37809	-44.4512	124.6379	-699.244
49253_9254	49253	9254	395.6109	107.6615	7.378088	44.45123	-54.5268	-258.735
49254_9254	49254	9254	-17.3665	133.1193	-20.4674	50.03513	-0.74655	225.3292
49254_9255	49254	9255	19.24283	-115.431	20.46739	-50.0351	244.2733	1268.115
49255_9255	49255	9255	-24.3789	85.6212	11.95819	5.2689	-239.269	-1268.7
49255_9256	49255	9256	25.69166	-69.7331	-11.9582	-5.2689	111.7216	2126.407
49256_9256	49256	9256	-27.0882	69.18214	12.06581	0.22365	-111.183	-2126.44
49256_9257	49256	9257	28.08435	-52.7756	-12.0658	-0.22365	-21.5492	2838.194
49257_9257	49257	9257	-29.2499	40.78646	-0.97335	17.19585	20.84381	-2838.13
49257_9258	49257	9258	29.57483	-33.6181	0.97335	-17.1959	-16.1624	3022.121
49258_9258	49258	9258	-30.1077	33.14378	-0.92269	12.4215	16.54721	-3035.09
49258_9259	49258	9259	30.54371	-18.0529	0.922688	-12.4215	-7.22111	3365.622
49259_9259	49259	9259	-30.7836	17.64473	-0.8421	3.842213	7.486763	-3365.64
49259_9260	49259	9260	30.91883	-7.59649	0.8421	-3.84221	-1.82831	3454.789
49260_9260	49260	9260	70.33294	-63.5631	-1.38233	-41.595	79.4598	9947.724
49260_9261	49260	9261	-70.3114	68.40934	1.382325	41.59496	-75.0845	-9682.98
49261_9261	49261	9261	70.57706	-68.1277	-1.60493	-11.3182	74.9175	9676.07
49261_9262	49261	9262	-70.5771	85.6653	1.604925	11.31821	-56.5139	-10557.4
49262_9262	49262	9262	70.57155	-85.6653	-1.82805	21.97703	56.51389	10557.38
49262_9263	49262	9263	-70.5716	100.7677	1.82805	-21.977	-38.4644	-11477.6
49263_9263	49263	9263	70.5684	-118.291	-1.73565	-17.2111	38.46439	11478.44
49263_9264	49263	9264	-70.5684	136.2622	1.73565	17.21108	-18.0713	-12973.3
49264_9264	49264	9264	70.56446	-136.262	-1.86401	6.220463	18.07129	12973.32
49264_9265	49264	9265	-70.5645	153.5733	1.864013	-6.22046	3.0177	-14612.9
49265_9265	49265	9265	70.57496	-168.767	-1.16183	-22.7937	-3.0177	14614.56
49265_9266	49265	9266	-70.575	186.7709	1.161825	22.79366	16.69395	-16706.2
49266_9266	49266	9266	70.57234	-186.771	-1.28284	5.668425	-16.694	16706.26
49266_9267	49266	9267	-70.5723	204.0512	1.282838	-5.66843	31.17949	-18913.3
49267_9267	49267	9267	70.5012	-221.351	-4.18793	-36.4563	-31.1795	18916.42

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49267_9268	49267	9268	-70.5012	231.5859	4.187925	36.45626	59.18745	-20431.1
49268_9268	49268	9268	70.49674	-231.586	-4.22888	-24.9708	-59.1875	20431.1
49268_9269	49268	9269	-70.4967	241.8798	4.228875	24.97084	87.6372	-23565.8
49269_9269	49269	9269	72.75398	-241.209	-4.33886	10.62836	-87.5419	23562.86
49269_9270	49269	9270	-72.9099	255.9538	4.338863	-10.6284	129.3563	-25393.5
49270_9270	49270	9270	77.53253	-272.352	-6.48533	-57.0806	-130.977	25399.1
49270_9271	49270	9271	-77.9974	288.2203	6.485325	57.08063	198.2447	-28423.6
49271_9271	49271	9271	83.0802	-286.795	-6.60581	-7.03736	-197.192	28407.7
49271_9272	49271	9272	-83.6782	299.26	6.605813	7.037363	251.0666	-30595.5
49272_9272	49272	9272	87.26209	-298.229	-6.77381	65.85128	-247.232	30595.47
49272_9273	49272	9273	-87.7417	306.1081	6.773813	-65.8513	282.1626	-32200.5
49273_9273	49273	9273	94.64096	-326.524	5.875538	-83.548	-292.172	32205.96
49273_9274	49273	9274	-96.065	344.7213	-5.87554	83.54798	222.1275	-36327.8
49274_9274	49274	9274	105.1423	-346.963	5.6091	53.33501	-211.354	36327.97
49274_9275	49274	9275	-107.226	366.9406	-5.6091	-53.335	137.77	-40751.6
49275_9275	49275	9275	-2135.95	452.6424	-28.9091	-12.1622	533.5378	18955.07
49275_9276	49275	9276	2135.947	-445.17	28.90913	12.16215	-392.382	-16391.5
49276_9276	49276	9276	-2135.98	445.1703	-26.4471	6.732338	392.3819	16391.49
49276_9277	49276	9277	2135.98	-438.102	26.44714	-6.73234	-270.201	-14351.2
49277_9277	49277	9277	-2136.02	438.102	-22.9596	32.33213	270.2012	14149.88
49277_9278	49277	9278	2136.02	-424.008	22.95956	-32.3321	-58.7105	-10179.1
49278_9278	49278	9278	-983.375	126.6421	-6.82579	-0.27458	-54.8523	3016.678
49278_9279	49278	9279	983.3746	-109.126	6.825788	0.274575	132.0438	-1683.62
49279_9279	49279	9279	-983.394	109.1257	-2.61503	6.934725	-132.044	1683.605
49279_9280	49279	9280	983.394	-91.0762	2.615025	-6.93473	162.5164	-517.175
49280_9280	49280	9280	-983.767	72.70935	-13.0652	3.258938	-162.516	517.2956
49280_9281	49280	9281	983.7668	-54.5722	13.06515	-3.25894	315.4901	227.876
49281_9281	49281	9281	-983.811	54.57218	-9.10481	2.341763	-315.49	-227.888
49281_9282	49281	9282	983.8106	-36.0733	9.104813	-2.34176	424.21	769.131
49282_9282	49282	9282	-983.348	26.6112	10.96384	4.614488	-424.21	-452.386
49282_9283	49282	9283	983.3484	-10.0887	-10.9638	-4.61449	288.1982	680.0538
49283_9283	49283	9283	-983.285	10.08866	15.66784	1.359488	-288.198	-680.068
49283_9284	49283	9284	983.2846	4.87095	-15.6678	-1.35949	112.1568	709.3821
49284_9284	49284	9284	-983.33	-26.0206	14.55353	1.855613	-112.157	-709.426
49284_9285	49284	9285	983.33	39.50809	-14.5535	-1.85561	-35.2343	377.6076
49285_9285	49285	9285	-983.282	-39.5081	17.46308	0.738938	35.23433	-377.612
49285_9286	49285	9286	983.2817	51.99679	-17.4631	-0.73894	-199.007	-51.4647
49286_9286	49286	9286	-983.301	-71.8137	-16.6695	-33.8538	199.007	51.55657
49286_9287	49286	9287	983.3006	77.17211	16.66954	33.85384	-131.922	-351.35
49287_9287	49287	9287	-983.291	-77.1721	-17.2302	-34.992	131.9217	404.7792
49287_9288	49287	9288	983.2914	89.82146	17.23024	34.99204	31.73573	-1221.8
49288_9288	49288	9288	-3.20565	336.4814	-31.8197	58.44746	-194.758	7689.059
49288_9289	49288	9289	4.65675	-322.288	31.81973	-58.4475	535.5129	-4091.01
49289_9289	49289	9289	-15.3794	268.2577	23.29373	-3.93304	-528.406	4093.501
49289_9290	49289	9290	16.55745	-252.46	-23.2937	3.933038	251.3695	-944.203
49290_9290	49290	9290	-23.3134	251.9181	23.38061	5.185425	-251.484	944.1633
49290_9291	49290	9291	24.02348	-236.491	-23.3806	-5.18543	-19.6064	2010.607
49291_9291	49291	9291	-29.3423	212.887	-3.55609	14.74384	19.4334	-2011.05
49291_9292	49291	9292	29.49739	-207.366	3.556088	-14.7438	-4.67749	3177.069
49292_9292	49292	9292	-32.629	206.8975	-3.46474	7.999425	4.974375	-3184.48
49292_9293	49292	9293	32.75816	-196.228	3.464738	-7.99943	22.7871	4408.275
49293_9293	49293	9293	-34.8771	195.8657	-3.39465	-0.74261	-22.6986	-4408.28
49293_9294	49293	9294	34.87838	-185.233	3.39465	0.742613	49.79651	5929.653
49294_9294	49294	9294	-34.8582	163.8047	-0.95681	35.08785	-49.7978	-5930.67
49294_9295	49294	9295	34.85816	-158.468	0.956813	-35.0879	53.6319	6576.474
49295_9295	49295	9295	-34.8605	158.4681	-0.84105	12.74411	-53.6319	-6567.16
49295_9296	49295	9296	34.86053	-144.903	0.84105	-12.7441	62.18809	8112.242
49296_9296	49296	9296	-34.8613	144.9026	-0.75889	-6.17846	-62.1881	-8112.25

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49296_9297	49296	9297	34.86131	-133.9	0.758888	6.178463	68.45501	9263.999
49297_9297	49297	9297	-47.9094	72.53873	5.606213	37.43014	-189.657	-16991.1
49297_9298	49297	9298	47.9094	-57.0898	-5.60621	-37.4301	125.2251	17735.95
49298_9298	49298	9298	-47.8913	57.08981	5.769488	-22.901	-125.225	-17736
49298_9299	49298	9299	47.89129	-42.7332	-5.76949	22.90103	63.61241	18269
49299_9299	49299	9299	-47.9787	24.77186	1.411463	41.35268	-63.6124	-18271.7
49299_9300	49299	9300	47.9787	-10.253	-1.41146	-41.3527	48.38164	18460.82
49300_9300	49300	9300	-47.9729	10.25299	1.564763	-18.2834	-48.3816	-18460.9
49300_9301	49300	9301	47.97293	6.963075	-1.56476	18.28339	28.33924	18481.92
49301_9301	49301	9301	-47.9682	-27.9956	1.7073	42.03203	-28.3392	-18484.3
49301_9302	49301	9302	47.9682	43.9341	-1.7073	-42.032	8.09865	18057.85
49302_9302	49302	9302	-47.9611	-43.9341	1.8942	-28.4017	-8.09865	-18057.9
49302_9303	49302	9303	47.96111	59.73923	-1.8942	28.40171	-14.1642	17448.5
49303_9303	49303	9303	-47.9672	-79.2488	1.575788	29.32886	14.16424	-17451
49303_9304	49303	9304	47.96715	96.13301	-1.57579	-29.3289	-33.9591	16349.49
49304_9304	49304	9304	-47.9616	-96.133	1.736175	-25.4806	33.9591	-16349.5
49304_9305	49304	9305	47.96164	110.9792	-1.73618	25.48061	-53.1358	15205.91
49305_9305	49305	9305	-47.9753	-130.751	0.96285	29.91555	53.13578	-15207.8
49305_9306	49305	9306	47.97529	145.6074	-0.96285	-29.9156	-63.7673	13680.87
49306_9306	49306	9306	-47.97	-145.607	1.156838	-25.7814	63.76729	-13680.9
49306_9307	49306	9307	47.97004	162.4817	-1.15684	25.78144	-78.2959	11747.21
49307_9307	49307	9307	-48.0548	-180.753	-2.74129	9.1581	78.29588	-11748.7
49307_9308	49307	9308	48.05483	196.7388	2.741288	-9.1581	-45.7002	9504.275
49308_9308	49308	9308	-48.0611	-201.516	-2.61581	-15.3888	45.7002	-9504.27
49308_9309	49308	9309	48.06113	217.2476	2.615813	15.3888	-15.0743	7053.956
49309_9309	49309	9309	-48.3459	-238.148	-16.0876	-1.87478	15.07433	-7054.68
49309_9310	49309	9310	48.34594	254.2034	16.08758	1.874775	177.0794	4114.393
49310_9310	49310	9310	-48.4008	-254.203	-15.9272	-15.6146	-177.079	-4114.37
49310_9311	49310	9311	48.4008	269.8681	15.92719	15.61455	362.6834	1060.652
49311_9311	49311	9311	-45.9323	-290.262	109.3315	-31.7342	-362.683	-1060.34
49311_9312	49311	9312	45.93225	294.7211	-109.332	31.73415	0	90.06821

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95
	Max.	1.31	1.58	1.84	1.84	1.05			0.00	
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
1	2	3	4	5	6	7	8	9
1000_1000	1000	1000	-3.24923	125.6078	0.5418	-2.4129	0	-11.2266
1000_1001	1000	1001	162.9936	-112.915	-0.5418	2.4129	-9.22005	1301.438
9000_9000	9000	9000	-4.95338	113.4	0.984375	2.82555	0	-19.1882
9000_9001	9000	9001	77.06475	-107.206	-0.98438	-2.82555	-8.16953	601.6091
9001_9001	9001	9001	-77.0616	107.2055	0.98595	2.6271	8.169525	-601.625
9001_9002	9001	9002	149.8376	-100.567	-0.98595	-2.6271	-16.9328	1189.423
9002_9002	9002	9002	-149.836	94.35038	-0.84263	2.502675	16.93283	-1189.43
9002_9003	9002	9003	235.3397	-85.3319	0.842625	-2.50268	-6.74888	1880.032
9003_9003	9003	9003	-235.348	85.33193	-0.84105	1.7262	6.748875	-1880.05
9003_9004	9003	9004	312.3131	-76.3088	0.84105	-1.7262	3.425625	2501.673
9004_9004	9004	9004	-312.313	63.5544	0.08505	1.986075	-3.42563	-2501.68
9004_9005	9004	9005	368.4902	-54.5391	-0.08505	-1.98608	2.408175	2955.413
9005_9005	9005	9005	-368.492	54.5391	0.08505	0.767025	-2.40818	-2955.42
9005_9006	9005	9006	416.1182	-45.5175	-0.08505	-0.76703	1.371825	3340.088
9006_9006	9006	9006	-416.118	32.75213	0.0693	1.091475	-1.37183	-3340.09
9006_9007	9006	9007	443.0003	-23.7321	-0.0693	-1.09148	0.54495	3557.218
9007_9007	9007	9007	-443	23.7321	0.0693	0.404775	-0.54495	-3557.22
9007_9008	9007	9008	461.2955	-14.7137	-0.0693	-0.40478	-0.29138	3704.989
9008_9008	9008	9008	-461.295	1.48995	-0.00473	-0.05198	0.291375	-3704.99
9008_9009	9008	9009	458.4179	7.533225	0.004725	0.051975	-0.22995	3681.75
9009_9009	9009	9009	-458.418	-7.53323	-0.00473	0.039375	0.22995	-3681.75
9009_9010	9009	9010	446.9614	16.5501	0.004725	-0.03938	-0.1701	3589.216
9010_9010	9010	9010	-446.961	-30.2006	0.130725	0.011025	0.1701	-3589.22
9010_9011	9010	9011	413.9132	39.22223	-0.13073	-0.01103	-1.75455	3322.299
9011_9011	9011	9011	-413.913	-39.2222	0.1323	-1.27418	1.75455	-3322.3
9011_9012	9011	9012	372.2859	48.24225	-0.1323	1.274175	-3.3516	2986.085
9012_9012	9012	9012	-372.286	-61.3982	-0.01418	-0.65048	3.3516	-2986.08
9012_9013	9012	9013	309.5568	70.41668	0.014175	0.650475	-3.1752	2479.445
9013_9013	9013	9013	-309.557	-70.4167	-0.01418	-1.60965	3.1752	-2479.44
9013_9014	9013	9014	238.2597	79.43355	0.014175	1.60965	-3.01298	1903.595
9014_9014	9014	9014	-238.26	-92.1942	-0.13703	-1.28205	3.012975	-1903.59
9014_9015	9014	9015	118.2715	103.7972	0.137025	1.28205	-0.87255	934.4727
9015_9015	9015	9015	-128.522	-103.421	-0.09135	-0.79853	0.571725	-952.844
9015_9016	9015	9016	51.12135	109.5523	0.09135	0.79695	0.184275	382.8416
9016_9016	9016	9016	-48.9715	-120.513	-0.7875	-0.82373	-0.21578	-382.843
9016_9017	9016	9017	-68.4999	129.2319	0.7875	0.7623	9.4689	-615.905
9017_9017	9017	9017	70.77578	-129.027	-0.78593	-0.60165	-9.49883	619.458
9017_9018	9017	9018	-173.381	139.3576	0.785925	0.4977	19.93163	-1861.33
9018_9018	9018	9018	177.1592	-149.705	1.20645	-1.16078	-20.0828	1861.261
9018_9019	9018	9019	-244.969	159.9113	-1.20645	1.352925	4.97385	-3266.94
9019_9019	9019	9019	248.4893	-159.264	1.20645	-0.57488	-4.9077	3266.961
9019_9020	9019	9020	-283.475	169.8323	-1.20645	0.7875	-10.2596	-4855.88
9020_9020	9020	9020	-425.986	45.48758	-2.04435	0.026775	45.3726	550.0303
9020_9021	9020	9021	460.4324	-38.5229	2.04435	-0.02678	-25.9529	-277.873
9021_9021	9021	9021	-437.644	38.3796	-1.42223	0.2772	20.24033	166.8209
9021_9022	9021	9022	462.6074	-32.7285	1.422225	-0.2772	-9.23423	8.478225
9022_9022	9022	9022	-462.598	32.7285	-1.49625	0.2772	9.234225	-8.47508
9022_9023	9022	9023	483.6463	-27.0632	1.49625	-0.2772	2.376675	156.2778
9023_9023	9023	9023	-483.684	20.41515	-0.2331	-0.00473	-2.37668	-156.289
9023_9024	9023	9024	496.3802	-14.5751	0.2331	0.004725	4.241475	245.4527
9024_9024	9024	9024	-496.38	14.57505	-0.2331	-0.00473	-4.24148	-245.453
9024_9025	9024	9025	504.8395	-8.73338	0.2331	0.004725	6.106275	304.8491
9025_9025	9025	9025	-504.841	8.733375	-0.14018	-0.04253	-6.10628	-304.849
9025_9026	9025	9026	509.0589	-2.89328	0.140175	0.042525	7.22925	334.4749
9026_9026	9026	9026	-509.059	-6.05903	-0.14018	-0.03308	-7.22925	-334.475
9026_9027	9026	9027	504.5717	10.43753	0.140175	0.033075	8.07345	302.9654
9027_9027	9027	9027	-504.573	-10.4375	-0.00315	-0.08978	-8.07345	-302.964
9027_9028	9027	9028	497.6921	14.82233	0.00315	0.089775	8.093925	254.6444
9028_9028	9028	9028	-497.692	-14.8223	-0.01733	-0.08505	-8.09393	-254.644
9028_9029	9028	9029	488.439	19.19925	0.017325	0.08505	8.1963	189.6725
9029_9029	9029	9029	-488.439	-19.1993	-0.00315	-0.0882	-8.1963	-189.673
9029_9030	9029	9030	476.784	23.58405	0.00315	0.0882	8.216775	107.8292
9030_9030	9030	9030	-476.786	-23.645	0.0441	-0.14805	-8.21678	-107.828

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9030_9031	9030	9031	450.9871	38.48355	-0.0441	0.14805	7.85925	-73.3289
9031_9031	9031	9031	-450.987	-38.4836	0.0441	-0.14805	-7.85925	73.32885
9031_9032	9031	9032	420.955	44.3205	-0.0441	0.14805	7.501725	-284.22
9032_9032	9032	9032	-420.955	-44.3205	0.14805	-0.10868	-7.50173	284.2214
9032_9033	9032	9033	386.6483	50.16375	-0.14805	0.108675	6.32205	-525.132
9033_9033	9033	9033	-386.629	-57.5379	0.8001	-0.45833	-6.32205	525.1491
9033_9034	9033	9034	344.1706	63.19845	-0.8001	0.458325	0.118125	-823.308
9034_9034	9034	9034	-344.171	-63.1985	0.8001	-0.45833	-0.11813	823.3076
9034_9035	9034	9035	297.7301	68.85743	-0.8001	0.458325	-6.08738	-1149.42
9035_9035	9035	9035	-327.921	-69.1299	1.27575	-0.06458	7.93485	1296.77
9035_9036	9035	9036	268.5674	76.09298	-1.27575	0.064575	-20.0498	-1766.63
9036_9036	9036	9036	349.3476	148.7903	-0.76388	-0.37013	4.4289	6276.673
9036_9037	9036	9037	-349.222	-137.927	0.763875	0.504	5.16915	-4882.94
9037_9037	9037	9037	346.1157	138.2267	-0.75758	1.36395	-5.39123	4882.929
9037_9038	9037	9038	-322.168	-127.673	0.757575	-1.24425	14.88375	-3587.93
9038_9038	9038	9038	318.8808	118.7424	0.278775	-0.03938	-14.6932	3588.037
9038_9039	9038	9039	-267.388	-108.114	-0.27878	0.00315	10.99508	-2492.09
9039_9039	9039	9039	267.5437	108.549	0.2835	0.669375	-11.0093	2477.453
9039_9040	9039	9040	-190.594	-99.7526	-0.2835	-0.69143	7.671825	-1642.18
9040_9040	9040	9040	188.8173	88.98593	0.2961	0.4032	-7.63718	1642.248
9040_9041	9040	9041	-132.083	-82.9616	-0.2961	-0.4095	5.19435	-1170.3
9041_9041	9041	9041	147.5318	82.41818	0.14175	0.278775	-2.48063	1085.385
9041_9042	9041	9042	-34.9193	-71.5223	-0.14175	-0.27878	0.341775	-301.055
9042_9042	9042	9042	34.9209	60.84383	0.014175	0.24885	-0.34178	301.0502
9042_9043	9042	9043	30.11715	-52.2806	-0.01418	-0.24885	0.174825	110.9194
9043_9043	9043	9043	-30.1172	52.28055	0.01575	0.240975	-0.17483	-110.921
9043_9044	9043	9044	85.26105	-43.7236	-0.01575	-0.24098	-0.00315	460.2245
9044_9044	9044	9044	-85.2611	31.86225	0	0.146475	0.00315	-460.2229
9044_9045	9044	9045	116.9674	-23.3006	0	-0.14648	0.00315	661.0685
9045_9045	9045	9045	-116.967	23.30055	0	0.096075	-0.00315	-661.07
9045_9046	9045	9046	138.8315	-14.7389	0	-0.09608	-0.00473	799.5566
9046_9046	9046	9046	-138.832	2.726325	0	0.001575	0.004725	-799.558
9046_9047	9046	9047	137.0455	5.8338	0	-0.00158	-0.00945	788.2481
9047_9047	9047	9047	-137.045	-5.8338	0.001575	-0.05828	0.00945	-788.248
9047_9048	9047	9048	125.4236	14.39235	-0.00158	0.058275	-0.02678	714.6326
9048_9048	9048	9048	-125.424	-26.2868	-0.02048	-0.14963	0.026775	-714.629
9048_9049	9048	9049	90.30263	34.8453	0.020475	0.149625	0.22365	492.1576
9049_9049	9049	9049	-90.3026	-34.8453	-0.02048	-0.18585	-0.22365	-492.156
9049_9050	9049	9050	45.35055	43.40228	0.020475	0.18585	0.4599	207.4165
9050_9050	9050	9050	-45.3506	-54.914	-0.07088	-0.25988	-0.4599	-207.413
9050_9051	9050	9051	-43.0542	65.81925	0.070875	0.259875	1.5309	-405.456
9051_9051	9051	9051	40.9185	-66.1217	-0.07875	-0.2961	-1.75455	420.7226
9051_9052	9051	9052	-91.0224	72.08933	0.07875	0.294525	2.40975	-772.755
9052_9052	9052	9052	92.4903	-82.6922	-0.2709	-0.4284	-2.42235	772.7297
9052_9053	9052	9053	-167.704	91.2681	0.2709	0.4032	5.605425	-1440.68
9053_9053	9053	9053	153.2223	-91.9958	-0.36855	-0.53393	-7.65608	1529.804
9053_9054	9053	9054	-207.218	102.1167	0.36855	0.48195	12.54803	-2459.74
9054_9054	9054	9054	210.1601	-111.764	0.716625	-0.97808	-12.6236	2459.672
9054_9055	9054	9055	-243.282	121.7223	-0.71663	1.09935	3.649275	-3540.21
9055_9055	9055	9055	245.9914	-121.544	0.7182	-0.48038	-3.6225	3540.22
9055_9056	9055	9056	-258.284	131.7976	-0.7182	0.615825	-5.39595	-4787.65
9056_9056	9056	9056	-321.761	63.38273	-1.17338	0.3276	21.57593	1011.303
9056_9057	9056	9057	369.3438	-56.5724	1.173375	-0.3276	-10.4344	-622.81
9057_9057	9057	9057	-366.15	56.55668	-0.94343	0.62685	9.322425	600.1349
9057_9058	9057	9058	401.1005	-51.0001	0.943425	-0.62685	-2.01128	-323.026
9058_9058	9058	9058	-401.11	51.00008	-0.86783	0.70875	2.011275	323.0215
9058_9059	9058	9059	432.4478	-45.4435	0.867825	-0.70875	4.72185	-74.5684
9059_9059	9059	9059	-432.47	38.5497	-0.07875	0.19215	-4.72185	74.55893
9059_9060	9059	9060	456.3799	-32.8214	0.07875	-0.19215	5.356575	115.0144
9060_9060	9060	9060	-456.381	32.82143	-0.00158	0.162225	-5.35658	-115.016
9060_9061	9060	9061	476.4737	-27.0853	0.001575	-0.16223	5.37075	274.3225
9061_9061	9061	9061	-476.474	27.08528	-0.00158	0.162225	-5.37075	-274.322
9061_9062	9061	9062	492.7199	-21.3507	0.001575	-0.16223	5.384925	403.126
9062_9062	9062	9062	-492.718	12.4614	0.020475	0.023625	-5.38493	-403.128

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9062_9063	9062	9063	497.9095	-8.15693	-0.02048	-0.02363	5.25735	444.2744
9063_9063	9063	9063	-497.908	8.156925	-0.0819	0.177975	-5.25735	-444.273
9063_9064	9063	9064	500.9288	-3.85875	0.0819	-0.17798	5.7519	468.216
9064_9064	9064	9064	-500.927	3.85875	0.11025	-0.126	-5.7519	-468.216
9064_9065	9064	9065	501.7871	0.43785	-0.11025	0.126	5.08725	475.031
9065_9065	9065	9065	-501.789	-0.43785	0.020475	0.017325	-5.08725	-475.031
9065_9066	9065	9066	500.4846	4.742325	-0.02048	-0.01733	4.96125	464.6912
9066_9066	9066	9066	-500.485	-13.5308	0.058275	-0.0567	-4.96125	-464.691
9066_9067	9066	9067	489.4864	19.2654	-0.05828	0.0567	4.490325	377.4992
9067_9067	9067	9067	-489.485	-19.2654	0.130725	-0.14805	-4.49033	-377.499
9067_9068	9067	9068	474.6436	24.9984	-0.13073	0.14805	3.441375	259.8309
9068_9068	9068	9068	-474.644	-24.9984	0.130725	-0.14805	-3.44138	-259.831
9068_9069	9068	9069	455.9578	30.7314	-0.13073	0.14805	2.392425	111.6833
9069_9069	9069	9069	-455.933	-37.7402	0.893025	-0.55125	-2.39243	-111.674
9069_9070	9069	9070	429.6175	43.2936	-0.89303	0.55125	-4.5297	-96.9696
9070_9070	9070	9070	-429.616	-43.2936	0.89775	-0.54968	4.5297	96.9696
9070_9071	9070	9071	399.6531	48.85335	-0.89775	0.549675	-11.4991	-334.532
9071_9071	9071	9071	-403.858	-48.8849	1.154475	-0.33705	13.25205	362.7824
9071_9072	9071	9072	362.5745	55.6983	-1.15448	0.33705	-24.2156	-700.574
9072_9072	9072	9072	219.3361	141.1232	-0.68985	0.57645	8.556975	4328.211
9072_9073	9072	9073	-195.613	-130.966	0.68985	-0.4473	0.108675	-3014.26
9073_9073	9073	9073	192.6981	130.6683	-0.68355	1.384425	-0.1701	3014.252
9073_9074	9073	9074	-145.155	-120.814	0.68355	-1.26945	8.7381	-1849.06
9074_9074	9074	9074	142.0556	111.0753	0.319725	0.458325	-8.64833	1849.112
9074_9075	9074	9075	-70.5726	-101.05	-0.31973	-0.504	4.398975	-868.064
9075_9075	9075	9075	78.47595	99.71325	0.240975	0.505575	-3.22403	812.5445
9075_9076	9075	9076	12.02198	-91.4697	-0.24098	-0.52763	0.3843	-68.9262
9076_9076	9076	9076	-13.6143	80.82585	0.11655	0.39375	-0.37013	68.93751
9076_9077	9076	9077	72.11925	-75.0582	-0.11655	-0.3969	-0.58433	339.2408
9077_9077	9077	9077	-69.5221	74.99678	0.1638	0.647325	0.82845	-334.985
9077_9078	9077	9078	151.1291	-65.3357	-0.1638	-0.64733	-3.0807	947.0853
9078_9078	9078	9078	-151.129	55.36598	-0.0441	0.669375	3.0807	-947.092
9078_9079	9078	9079	199.8014	-47.5052	0.0441	-0.66938	-2.59245	1312.172
9079_9079	9079	9079	-199.803	47.50515	-0.03938	0.439425	2.59245	-1312.18
9079_9080	9079	9080	241.0679	-39.6365	0.039375	-0.43943	-2.14515	1621.696
9080_9080	9080	9080	-241.07	28.57365	-0.03465	0.335475	2.14515	-1621.7
9080_9081	9080	9081	264.4031	-20.7065	0.03465	-0.33548	-1.76558	1796.719
9081_9081	9081	9081	-264.403	20.70653	-0.03465	0.335475	1.765575	-1796.72
9081_9082	9081	9082	280.2854	-12.8394	0.03465	-0.33548	-1.38443	1915.858
9082_9082	9082	9082	-280.287	1.015875	-0.01733	0.14175	1.384425	-1915.86
9082_9083	9082	9083	277.0157	7.441875	0.017325	-0.14175	-1.1781	1891.323
9083_9083	9083	9083	-277.016	-7.44188	-0.01418	-0.13388	1.1781	-1891.32
9083_9084	9083	9084	265.1465	15.89333	0.014175	0.133875	-1.008	1802.291
9084_9084	9084	9084	-265.145	-27.7972	0.004725	-0.18585	1.008	-1802.29
9084_9085	9084	9085	235.105	35.66115	-0.00473	0.18585	-1.06785	1576.966
9085_9085	9085	9085	-235.105	-35.6612	0.00945	-0.4473	1.06785	-1576.96
9085_9086	9085	9086	197.62	43.5267	-0.00945	0.4473	-1.16708	1295.8
9086_9086	9086	9086	-197.62	-54.8872	-0.063	-0.47408	1.167075	-1295.8
9086_9087	9086	9087	141.8823	62.75903	0.063	0.474075	-0.45675	877.7302
9087_9087	9087	9087	-141.882	-62.759	-0.05985	-0.61268	0.45675	-877.727
9087_9088	9087	9088	78.75	70.62143	0.05985	0.612675	0.2142	404.1875
9088_9088	9088	9088	-78.75	-81.1661	-0.11025	-0.6867	-0.2142	-404.181
9088_9089	9088	9089	-17.1896	90.45383	0.11025	0.6867	1.674225	-340.666
9089_9089	9089	9089	16.88558	-90.7925	-0.09608	-0.64103	-1.48995	351.8978
9089_9090	9089	9090	-79.0886	96.62468	0.096075	0.63945	2.279025	-911.268
9090_9090	9090	9090	81.00068	-107.084	-0.33705	-0.98753	-2.30265	911.2359
9090_9091	9090	9091	-169.272	115.4759	0.33705	0.9576	6.2622	-1773.59
9091_9091	9091	9091	167.7643	-115.926	-0.41895	-0.41108	-7.89233	1796.499
9091_9092	9091	9092	-235.092	125.8772	0.41895	0.3528	13.45995	-2979.12
9092_9092	9092	9092	238.592	-136.056	0.756	-1.57343	-13.6112	2979.026
9092_9093	9092	9093	-277.491	145.908	-0.756	1.69785	4.13595	-4334.99
9093_9093	9093	9093	280.7674	-146.042	0.767025	0.21735	-3.97058	4335.005
9093_9094	9093	9094	-293.964	156.2117	-0.76703	-0.0756	-5.65898	-5733.11
9094_9094	9094	9094	-362.335	56.49998	-1.17495	0.149625	22.09253	1190.706

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9094_9095	9094	9095	403.8804	-49.8929	1.17495	-0.14963	-10.9321	-851.664
9095_9095	9095	9095	-402.984	50.0283	-1.16235	0.502425	12.22515	847.3138
9095_9096	9095	9096	431.9674	-44.6182	1.16235	-0.50243	-3.21458	-596.237
9096_9096	9096	9096	-431.967	44.61818	-1.16708	0.4977	3.214575	596.2367
9096_9097	9096	9097	457.6052	-39.2144	1.167075	-0.4977	5.8212	-374.132
9097_9097	9097	9097	-457.634	32.35365	-0.0126	0.0378	-5.8212	374.1192
9097_9098	9097	9098	476.321	-26.7687	0.0126	-0.0378	5.92515	-212.228
9098_9098	9098	9098	-476.321	26.7687	0.10395	0.089775	-5.92515	212.2265
9098_9099	9098	9099	491.4614	-21.1916	-0.10395	-0.08978	5.091975	-81.0684
9099_9099	9099	9099	-491.461	21.19163	0.108675	0.089775	-5.09198	81.0684
9099_9100	9099	9100	503.0928	-15.6083	-0.10868	-0.08978	4.225725	19.6938
9100_9100	9100	9100	-503.09	6.93315	0.001575	-0.03938	-4.22573	-19.6938
9100_9101	9100	9101	505.3844	-2.74523	-0.00158	0.039375	4.21785	39.5703
9101_9101	9101	9101	-505.384	2.745225	-0.00473	-0.03938	-4.21785	-39.5703
9101_9102	9101	9102	505.6947	1.434825	0.004725	0.039375	4.241475	42.25568
9102_9102	9102	9102	-505.695	-1.43483	0.001575	-0.03938	-4.24148	-42.2557
9102_9103	9102	9103	504.0205	5.62275	-0.00158	0.039375	4.232025	27.76095
9103_9103	9103	9103	-504.02	-5.62275	0.162225	-0.04883	-4.23203	-27.7594
9103_9104	9103	9104	500.3618	9.810675	-0.16223	0.048825	3.25395	-3.9312
9104_9104	9104	9104	-500.365	-18.4779	-0.14175	-0.17168	-3.25395	3.932775
9104_9105	9104	9105	486.9396	24.05498	0.14175	0.171675	4.3911	-120.232
9105_9105	9105	9105	-486.94	-24.055	-0.01733	-0.14175	-4.3911	120.2339
9105_9106	9105	9106	469.9721	29.63678	0.017325	0.14175	4.528125	-267.226
9106_9106	9106	9106	-469.972	-29.6368	-0.02048	-0.14333	-4.52813	267.2255
9106_9107	9106	9107	449.5034	35.21385	0.020475	0.143325	4.695075	-444.547
9107_9107	9107	9107	-449.48	-42.1691	1.066275	-0.5355	-4.69508	444.5595
9107_9108	9107	9108	422.0055	47.5776	-1.06628	0.5355	-3.5721	-682.567
9108_9108	9108	9108	-422.006	-47.5776	1.066275	-0.5355	3.5721	682.5672
9108_9109	9108	9109	391.219	52.98615	-1.06628	0.5355	-11.8409	-949.262
9109_9109	9109	9109	-392.649	-52.8554	1.059975	-0.24255	10.77615	956.1935
9109_9110	9109	9110	348.8972	59.46728	-1.05998	0.24255	-20.853	-1328.07
9110_9110	9110	9110	292.5185	153.9626	-0.75758	0.152775	7.40565	5909.226
9110_9111	9110	9111	-282.516	-143.771	0.757575	-0.01418	2.10735	-4427.12
9111_9111	9111	9111	279.279	143.4368	-0.74813	1.384425	-2.22075	4427.11
9111_9112	9111	9112	-244.56	-133.552	0.748125	-1.26158	11.6046	-3100.44
9112_9112	9112	9112	241.112	123.3855	0.3465	0.30555	-11.4865	3100.523
9112_9113	9112	9113	-179	-113.411	-0.3465	-0.3528	6.88905	-1985.78
9113_9113	9113	9113	181.0447	112.8015	0.28035	0.946575	-5.47155	1959.925
9113_9114	9113	9114	-97.1287	-104.52	-0.28035	-0.97178	2.17035	-1054.17
9114_9114	9114	9114	95.26545	93.95348	0.111825	0.63315	-2.1483	1054.206
9114_9115	9114	9115	-35.6108	-88.2189	-0.11183	-0.63473	1.2285	-575.903
9115_9115	9115	9115	42.6069	87.31643	0.092925	0.4221	-1.01903	520.1044
9115_9116	9115	9116	61.75103	-77.8743	-0.09293	-0.4221	-0.26145	216.6145
9116_9116	9116	9116	-61.751	67.6368	-0.00158	0.4284	0.26145	-216.619
9116_9117	9116	9117	127.3608	-59.9508	0.001575	-0.4284	-0.25358	647.3833
9117_9117	9117	9117	-127.361	59.9508	0.0063	0.275625	0.253575	-647.39
9117_9118	9117	9118	185.1113	-52.2585	-0.0063	-0.27563	-0.31658	1026.56
9118_9118	9118	9118	-185.111	41.11538	-0.02048	0.373275	0.316575	-1026.56
9118_9119	9118	9119	223.4437	-33.4294	0.020475	-0.37328	-0.09135	1278.234
9119_9119	9119	9119	-223.444	33.42938	-0.01418	0.07245	0.09135	-1278.24
9119_9120	9119	9120	253.8947	-25.7371	0.014175	-0.07245	0.061425	1478.166
9120_9120	9120	9120	-253.896	14.04113	-0.0063	0.187425	-0.06143	-1478.17
9120_9121	9120	9121	264.8489	-5.78498	0.0063	-0.18743	0.12915	1550.08
9121_9121	9121	9121	-264.849	5.784975	0	-0.15278	-0.12915	-1550.08
9121_9122	9121	9122	266.6759	2.47905	0	0.152775	0.124425	1562.083
9122_9122	9122	9122	-266.676	-14.2979	-0.00473	0.07245	-0.12443	-1562.08
9122_9123	9122	9123	248.0011	21.99015	0.004725	-0.07245	0.184275	1439.471
9123_9123	9123	9123	-248.001	-21.9902	0.004725	-0.43155	-0.18428	-1439.47
9123_9124	9123	9124	221.4104	29.68088	-0.00473	0.43155	0.137025	1264.881
9124_9124	9124	9124	-221.41	-40.75	-0.01733	-0.21578	-0.13703	-1264.88
9124_9125	9124	9125	175.5542	48.43598	0.017325	0.215775	0.3276	963.8087
9125_9125	9125	9125	-175.554	-48.436	-0.01103	-0.44258	-0.3276	-963.804
9125_9126	9125	9126	121.7444	56.1267	0.011025	0.442575	0.4473	610.5125
9126_9126	9126	9126	-121.746	-66.1862	-0.1197	-0.38903	-0.4473	-610.511

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9126_9127	9126	9127	34.398	75.40628	0.1197	0.389025	2.05065	37.02038
9127_9127	9127	9127	-34.2437	-75.6488	-0.10238	-0.252	-1.84275	-44.4607
9127_9128	9127	9128	-25.9891	81.30308	0.102375	0.250425	2.6901	-356.438
9128_9128	9128	9128	27.57353	-91.9517	-0.2709	-0.39218	-2.70428	356.4288
9128_9129	9128	9129	-118.41	100.0598	0.2709	0.366975	5.888925	-1146.65
9129_9129	9129	9129	105.7313	-101.592	-0.32445	-0.23783	-7.24028	1233.204
9129_9130	9129	9130	-174.208	111.573	0.32445	0.193725	11.5479	-2228.68
9130_9130	9130	9130	177.3387	-121.28	0.8127	-0.6678	-11.6141	2228.666
9130_9131	9130	9131	-220.593	131.1282	-0.8127	0.801675	1.43325	-3398.31
9131_9131	9131	9131	223.4909	-131.602	0.81585	-0.32603	-1.40805	3398.309
9131_9132	9131	9132	-242.53	141.7768	-0.81585	0.477225	-8.84678	-4746.79
9132_9132	9132	9132	-322.751	58.26713	-0.7308	0.2772	16.94858	963.9053
9132_9133	9132	9133	367.6712	-51.5545	0.7308	-0.2772	-10.0013	-593.855
9133_9133	9133	9133	-346.895	51.34658	-0.7308	0.237825	9.073575	492.6521
9133_9134	9133	9134	381.1595	-45.8924	0.7308	-0.23783	-3.40988	-252.91
9134_9134	9134	9134	-381.167	45.89235	-0.66308	0.2772	3.409875	252.9072
9134_9135	9134	9135	411.5869	-40.4381	0.663075	-0.2772	1.7325	-40.0617
9135_9135	9135	9135	-411.582	33.51915	0.036225	0.077175	-1.7325	40.06485
9135_9136	9135	9136	433.9172	-27.8885	-0.03623	-0.07718	1.43955	116.2193
9136_9136	9136	9136	-433.917	27.88853	0.102375	0.05985	-1.43955	-116.219
9136_9137	9136	9137	452.1573	-22.2579	-0.10238	-0.05985	0.6237	243.8447
9137_9137	9137	9137	-452.157	22.2579	0.102375	0.05985	-0.6237	-243.845
9137_9138	9137	9138	466.3024	-16.6273	-0.10238	-0.05985	-0.19058	342.8114
9138_9138	9138	9138	-466.302	7.20405	-0.07403	0.0126	0.190575	-342.811
9138_9139	9138	9139	469.0807	-2.98148	0.074025	-0.0126	0.250425	362.2516
9139_9139	9139	9139	-469.081	2.981475	0.014175	-0.05985	-0.25043	-362.252
9139_9140	9139	9140	469.5563	1.2411	-0.01418	0.05985	0.1701	365.5733
9140_9140	9140	9140	-469.556	-1.2411	0.014175	-0.05985	-0.1701	-365.573
9140_9141	9140	9141	467.7262	5.463675	-0.01418	0.05985	0.089775	352.7748
9141_9141	9141	9141	-467.726	-5.46368	-0.07403	0.011025	-0.08978	-352.775
9141_9142	9141	9142	463.5934	9.68625	0.074025	-0.01103	0.530775	323.8562
9142_9142	9142	9142	-463.593	-18.8969	-0.03938	-0.12443	-0.53078	-323.855
9142_9143	9142	9143	447.7993	24.5259	0.039375	0.124425	0.842625	213.3432
9143_9143	9143	9143	-447.799	-24.5259	-0.10395	-0.09293	-0.84263	-213.345
9143_9144	9143	9144	427.9086	30.15653	0.10395	0.092925	1.6758	74.17463
9144_9144	9144	9144	-427.909	-30.1565	-0.03938	-0.10395	-1.6758	-74.1731
9144_9145	9144	9145	403.9229	35.78715	0.039375	0.10395	1.98765	-93.6542
9145_9145	9145	9145	-403.918	-42.788	0.562275	-0.31815	-1.98765	93.65738
9145_9146	9145	9146	371.8402	48.24225	-0.56228	0.31815	-2.36723	-318.095
9146_9146	9146	9146	-371.846	-48.2423	0.49455	-0.36698	2.367225	318.0902
9146_9147	9146	9147	335.9255	53.69648	-0.49455	0.366975	-6.20078	-569.424
9147_9147	9147	9147	-355.611	-53.8918	0.596925	-0.25988	6.5898	665.3966
9147_9148	9147	9148	308.5	60.60285	-0.59693	0.259875	-12.263	-1020.8
9148_9148	9148	9148	241.1278	134.9444	-0.50085	0.6552	3.465	4674.038
9148_9149	9148	9149	-227.671	-124.756	0.50085	-0.5607	2.823975	-3424.83
9149_9149	9149	9149	224.921	124.036	-0.50085	0.63	-2.81138	3424.83
9149_9150	9149	9150	-189.38	-114.161	0.50085	-0.54653	9.083025	-2326.42
9150_9150	9150	9150	186.4107	104.747	0.24255	0.4788	-9.0468	2326.414
9150_9151	9150	9151	-127.819	-94.7426	-0.24255	-0.51345	5.8275	-1392.38
9151_9151	9151	9151	143.8007	93.05573	0.193725	0.189	-4.7187	1294.574
9151_9152	9151	9152	-63.1591	-84.5318	-0.19373	-0.2079	2.436525	-628.924
9152_9152	9152	9152	61.69748	73.90058	0.10395	0.21735	-2.43023	628.9227
9152_9153	9152	9153	-7.96005	-67.966	-0.10395	-0.2205	1.573425	-265.617
9153_9153	9153	9153	10.10363	67.2651	0.086625	0.1512	-1.3356	252.2772
9153_9154	9153	9154	76.60643	-57.4119	-0.08663	-0.1512	0.1512	258.0307
9154_9154	9154	9154	-76.6064	47.19488	0.014175	0.1323	-0.1512	-258.031
9154_9155	9154	9155	124.7369	-39.312	-0.01418	-0.1323	-0.00315	541.2913
9155_9155	9155	9155	-124.737	39.312	0.017325	0.099225	0.00315	-541.293
9155_9156	9155	9156	164.0961	-31.4291	-0.01733	-0.09923	-0.19058	772.9297
9156_9156	9156	9156	-164.096	20.8089	-0.00473	0.067725	0.190575	-772.928
9156_9157	9156	9157	181.5203	-13.6427	0.004725	-0.06773	-0.13545	875.4795
9157_9157	9157	9157	-181.52	13.64265	-0.00158	0.0063	0.13545	-875.481
9157_9158	9157	9158	191.6964	-6.4764	0.001575	-0.0063	-0.1134	935.3689
9158_9158	9158	9158	-191.696	-3.78	0.004725	-0.00315	0.1134	-935.367

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9158_9159	9158	9159	184.2482	10.94625	-0.00473	0.00315	-0.15435	891.5335
9159_9159	9159	9159	-184.248	-10.9463	0.007875	-0.06458	0.15435	-891.533
9159_9160	9159	9160	169.5503	18.1125	-0.00788	0.064575	-0.22838	805.0345
9160_9160	9160	9160	-169.55	-28.6209	-0.02205	-0.10868	0.228375	-805.034
9160_9161	9160	9161	133.3537	36.49748	0.02205	0.108675	0.0126	592.0016
9161_9161	9161	9161	-133.354	-36.4975	-0.02205	-0.10868	-0.0126	-592.002
9161_9162	9161	9162	88.35435	44.37878	0.02205	0.108675	0.252	327.1748
9162_9162	9162	9162	-88.3544	-54.347	-0.07403	-0.14333	-0.252	-327.173
9162_9163	9162	9163	5.907825	64.20015	0.074025	0.143325	1.280475	-158.05
9163_9163	9163	9163	-6.8733	-64.8758	-0.08663	-0.20318	-1.40333	165.4837
9163_9164	9163	9164	-45.3222	70.80255	0.086625	0.2016	2.112075	-510.281
9164_9164	9164	9164	46.72238	-81.3236	-0.18113	-0.19215	-2.11838	510.2827
9164_9165	9164	9165	-126.402	89.81595	0.181125	0.174825	4.25565	-1145.87
9165_9165	9165	9165	118.5014	-91.1437	-0.20633	-0.33075	-4.77068	1199.476
9165_9166	9165	9166	-180.522	101.5702	0.206325	0.300825	7.504875	-2076.43
9166_9166	9166	9166	183.3773	-111.033	0.401625	-0.58905	-7.55213	2076.428
9166_9167	9166	9167	-222.549	121.3254	-0.40163	0.65835	2.515275	-3121.29
9167_9167	9167	9167	225.2045	-122.059	0.404775	-0.25358	-2.49638	3121.291
9167_9168	9167	9168	-241.602	132.6969	-0.40478	0.33075	-2.59403	-4320.75
9168_9168	9168	9168	-291.203	64.97505	-0.53078	0.288225	11.35733	936.862
9168_9169	9168	9169	344.651	-57.9458	0.530775	-0.28823	-6.31733	-566.78
9169_9169	9169	9169	-326.142	57.7773	-0.39218	0.38745	5.142375	476.5761
9169_9170	9169	9170	366.5639	-52.0601	0.392175	-0.38745	-2.10105	-212.636
9170_9170	9170	9170	-366.556	52.06005	-0.441	0.35595	2.10105	212.6408
9170_9171	9170	9171	402.77	-46.3428	0.441	-0.35595	1.315125	23.82345
9171_9171	9171	9171	-402.776	38.8395	0.02835	0.102375	-1.31513	-23.8266
9171_9172	9171	9172	430.0427	-32.938	-0.02835	-0.10238	1.09305	201.8693
9172_9172	9172	9172	-430.043	32.93798	-0.0189	0.130725	-1.09305	-201.869
9172_9173	9172	9173	452.8251	-27.0365	0.0189	-0.13073	1.2474	350.6328
9173_9173	9173	9173	-452.825	27.03645	0.02835	0.080325	-1.2474	-350.634
9173_9174	9173	9174	471.125	-21.1349	-0.02835	-0.08033	1.02375	470.1218
9174_9174	9174	9174	-471.125	11.36678	0.02205	-0.02835	-1.02375	-470.122
9174_9175	9174	9175	476.3399	-6.93945	-0.02205	0.02835	0.896175	504.1764
9175_9175	9175	9175	-476.34	6.93945	-0.04095	0.06615	-0.89618	-504.176
9175_9176	9175	9176	479.0331	-2.5137	0.04095	-0.06615	1.145025	521.7629
9176_9176	9176	9176	-479.033	2.5137	0.02205	-0.0315	-1.14503	-521.763
9176_9177	9176	9177	479.2048	1.913625	-0.02205	0.0315	1.01745	522.8795
9177_9177	9177	9177	-479.205	-1.91363	0.02205	-0.0315	-1.01745	-522.88
9177_9178	9177	9178	476.8533	6.339375	-0.02205	0.0315	0.889875	507.528
9178_9178	9178	9178	-476.853	-16.0934	-0.01418	-0.08978	-0.88988	-507.53
9178_9179	9178	9179	462.3854	21.99488	0.014175	0.089775	1.00485	413.0548
9179_9179	9179	9179	-462.385	-21.9949	0.033075	-0.14805	-1.00485	-413.053
9179_9180	9179	9180	443.4318	27.8964	-0.03308	0.14805	0.7434	289.2992
9180_9180	9180	9180	-443.433	-27.8964	-0.01418	-0.1071	-0.7434	-289.299
9180_9181	9180	9181	419.9958	33.79793	0.014175	0.1071	0.858375	136.2674
9181_9181	9181	9181	-419.996	-40.9862	0.4725	-0.35438	-0.85838	-136.266
9181_9182	9181	9182	387.7256	46.70348	-0.4725	0.354375	-2.80193	-74.4487
9182_9182	9182	9182	-387.726	-46.7035	0.4725	-0.35438	2.801925	74.44868
9182_9183	9182	9183	351.2486	52.42073	-0.4725	0.354375	-6.4638	-312.639
9183_9183	9183	9183	-366.69	-52.5373	0.50085	-0.3717	7.4844	387.8028
9183_9184	9183	9184	317.5137	59.56178	-0.50085	0.3717	-12.2472	-738.036
9184_9184	9184	9184	220.3913	134.179	-0.44415	0.46935	3.80835	4089.471
9184_9185	9184	9185	-198.255	-123.619	0.44415	-0.38273	1.76715	-2898.35
9185_9185	9185	9185	195.5835	122.6579	-0.43943	0.738675	-1.78133	2898.344
9185_9186	9185	9186	-149.655	-112.455	0.439425	-0.6615	7.296975	-1845.09
9186_9186	9186	9186	146.7837	102.7735	0.203175	0.29295	-7.24815	1845.097
9186_9187	9186	9187	-77.4333	-92.4305	-0.20318	-0.32288	4.562775	-973.688
9187_9187	9187	9187	83.43248	90.82553	0.181125	0.2331	-4.0698	926.7881
9187_9188	9187	9188	1.182825	-81.9882	-0.18113	-0.25043	1.9467	-244.316
9188_9188	9188	9188	-2.58615	70.79783	0.0819	0.2331	-1.93883	244.3129
9188_9189	9188	9189	56.00385	-64.6049	-0.0819	-0.23468	1.26	114.4301
9189_9189	9189	9189	-56.5346	64.11353	0.074025	0.2079	-1.17023	-122.54
9189_9190	9189	9190	136.4501	-53.7469	-0.07403	-0.2079	0.1512	625.0262
9190_9190	9190	9190	-136.45	43.2432	0.026775	0.13545	-0.1512	-625.028

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9190_9191	9190	9191	178.8649	-34.9493	-0.02678	-0.13545	-0.1512	891.7162
9191_9191	9191	9191	-178.865	34.94925	0.023625	0.1953	0.1512	-891.715
9191_9192	9191	9192	212.2832	-26.6569	-0.02363	-0.1953	-0.41738	1101.834
9192_9192	9192	9192	-212.283	15.82403	-0.00788	0.08505	0.417375	-1101.84
9192_9193	9192	9193	224.1304	-8.3223	0.007875	-0.08505	-0.3339	1176.333
9193_9193	9193	9193	-224.13	8.3223	-0.00473	-0.00473	0.3339	-1176.33
9193_9194	9193	9194	228.6176	-0.82215	0.004725	0.004725	-0.28665	1204.544
9194_9194	9194	9194	-228.618	-9.73508	-0.0315	-0.02205	0.28665	-1204.55
9194_9195	9194	9195	215.3844	17.2368	0.0315	0.02205	0.020475	1121.34
9195_9195	9195	9195	-215.384	-17.2368	-0.02678	-0.1071	-0.02048	-1121.34
9195_9196	9195	9196	194.8133	24.73065	0.026775	0.1071	0.291375	991.9964
9196_9196	9196	9196	-194.815	-35.5966	-0.04253	-0.1575	-0.29138	-992.011
9196_9197	9196	9197	151.6977	43.88895	0.042525	0.1575	0.754425	720.9106
9197_9197	9197	9197	-151.698	-43.889	-0.03938	-0.20633	-0.75443	-720.907
9197_9198	9197	9198	99.5841	52.1829	0.039375	0.206325	1.1844	393.2381
9198_9198	9198	9198	-99.581	-62.5968	-0.09765	-0.2331	-1.1844	-393.244
9198_9199	9198	9199	7.593075	72.96975	0.09765	0.2331	2.521575	-190.699
9199_9199	9199	9199	-7.29068	-73.6549	-0.10238	-0.2835	-2.72318	194.717
9199_9200	9199	9200	-51.1371	79.85565	0.102375	0.281925	3.5658	-590.608
9200_9200	9200	9200	52.72313	-90.7814	-0.24413	-0.3843	-3.57683	590.5963
9200_9201	9200	9201	-140.585	99.58568	0.244125	0.357525	6.446475	-1308.33
9201_9201	9201	9201	125.7449	-101.347	-0.37013	-0.3969	-9.82485	1407.758
9201_9202	9201	9202	-191.903	112.1888	0.370125	0.33705	14.74515	-2390.4
9202_9202	9202	9202	195.0197	-122.259	0.694575	-0.49613	-14.8019	2390.372
9202_9203	9202	9203	-236.976	132.9363	-0.69458	0.63315	6.0984	-3528.56
9203_9203	9203	9203	239.8772	-133.695	0.68985	-0.9072	-6.16455	3528.549
9203_9204	9203	9204	-258.158	144.7551	-0.68985	1.0584	-2.50268	-4850.54
9204_9204	9204	9204	-324.872	66.9942	-0.9135	0.590625	18.24795	1074.612
9204_9205	9204	9205	377.3684	-59.5712	0.9135	-0.59063	-9.5634	-679.203
9205_9205	9205	9205	-363.211	59.44365	-0.76388	0.716625	8.648325	564.584
9205_9206	9205	9206	402.5133	-53.4004	0.763875	-0.71663	-2.72475	-284.53
9206_9206	9206	9206	-402.513	53.40038	-0.76388	0.716625	2.72475	284.5301
9206_9207	9206	9207	437.6075	-47.3571	0.763875	-0.71663	3.198825	-34.4705
9207_9207	9207	9207	-437.634	39.56085	-0.16065	0.266175	-3.19883	34.45313
9207_9208	9207	9208	463.8391	-33.3239	0.16065	-0.26618	4.487175	152.2663
9208_9208	9208	9208	-463.841	33.32385	-0.08663	0.244125	-4.48718	-152.269
9208_9209	9208	9209	485.5599	-27.0853	0.086625	-0.24413	5.183325	307.0274
9209_9209	9209	9209	-485.561	27.08528	-0.0126	0.19845	-5.18333	-307.031
9209_9210	9209	9210	502.7951	-20.8483	0.0126	-0.19845	5.2857	429.827
9210_9210	9210	9210	-502.79	10.70843	-0.09608	0.184275	-5.2857	-429.829
9210_9211	9210	9211	507.3044	-6.03068	0.096075	-0.18428	5.8653	461.9916
9211_9211	9211	9211	-507.306	6.030675	0.001575	0.096075	-5.8653	-461.993
9211_9212	9211	9212	509.2967	-1.35135	-0.00158	-0.09608	5.851125	476.1792
9212_9212	9212	9212	-509.297	1.35135	0.1008	0.00315	-5.85113	-476.179
9212_9213	9212	9213	508.7628	3.3264	-0.1008	-0.00315	5.24475	472.385
9213_9213	9213	9213	-508.761	-3.3264	0.200025	-0.0882	-5.24475	-472.385
9213_9214	9213	9214	505.7057	8.005725	-0.20003	0.0882	4.0446	450.6122
9214_9214	9214	9214	-505.715	-18.1109	-0.03308	-0.07718	-4.0446	-450.614
9214_9215	9214	9215	490.4708	24.34163	0.033075	0.077175	4.304475	341.9845
9215_9215	9215	9215	-490.469	-24.3416	0.114975	-0.1764	-4.30448	-341.983
9215_9216	9215	9216	470.7203	30.5802	-0.11498	0.1764	3.384675	201.2693
9216_9216	9216	9216	-470.717	-30.5802	0.263025	-0.23468	-3.38468	-201.265
9216_9217	9216	9217	446.481	36.81878	-0.26303	0.234675	1.277325	28.57838
9217_9217	9217	9217	-446.434	-44.3457	0.807975	-0.81113	-1.27733	-28.5217
9217_9218	9217	9218	413.4328	50.38898	-0.80798	0.811125	-4.9833	-206.624
9218_9218	9218	9218	-413.403	-50.389	1.037925	-0.7182	4.9833	206.6495
9218_9219	9218	9219	376.1888	56.43383	-1.03793	0.7182	-13.0253	-471.82
9219_9219	9219	9219	-386.718	-56.511	1.09305	-0.60323	13.40325	570.0004
9219_9220	9219	9220	336.1916	63.93083	-1.09305	0.603225	-23.7841	-933.926
9220_9220	9220	9220	260.7838	141.6744	-0.66308	0.34335	6.09525	4662.619
9220_9221	9220	9221	-242.142	-130.654	0.663075	-0.19373	2.219175	-3388.86
9221_9221	9221	9221	239.285	130.1029	-0.64733	1.847475	-2.34833	3388.838
9221_9222	9221	9222	-197.17	-119.461	0.647325	-1.71675	10.45958	-2291.89
9222_9222	9222	9222	194.2511	107.9174	0.4284	0.127575	-10.2989	2292.33

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9222_9223	9222	9223	-130.286	-97.1114	-0.4284	-0.19845	4.619475	-1349.02
9223_9223	9223	9223	144.6149	95.59305	0.2961	0.7182	-3.04133	1254.863
9223_9224	9223	9224	-60.1713	-86.2376	-0.2961	-0.7497	-0.43628	-597.321
9224_9224	9224	9224	58.61205	74.9259	0.045675	0.256725	0.458325	597.5055
9224_9225	9224	9225	-3.64928	-68.3298	-0.04568	-0.25673	-0.83948	-223.064
9225_9225	9225	9225	0.259875	68.2101	0.061425	0.458325	0.9198	237.0438
9225_9226	9225	9226	82.19138	-56.5283	-0.06143	-0.45833	-1.8144	336.4373
9226_9226	9226	9226	-82.1977	45.57578	0.033075	0.313425	1.8144	-336.45
9226_9227	9226	9227	124.7447	-36.403	-0.03308	-0.31343	-2.1987	632.3814
9227_9227	9227	9227	-124.745	36.40298	0.042525	0.09135	2.1987	-632.386
9227_9228	9227	9228	157.7741	-27.2286	-0.04253	-0.09135	-2.68538	862.1172
9228_9228	9228	9228	-157.782	16.8084	-0.02835	0.105525	2.685375	-862.144
9228_9229	9228	9229	170.4638	-7.64033	0.02835	-0.10553	-2.36408	950.3519
9229_9229	9229	9229	-170.464	7.640325	-0.0189	-0.22838	2.364075	-950.35
9229_9230	9229	9230	173.6343	1.529325	0.0189	0.228375	-2.14358	972.4003
9230_9230	9230	9230	-173.634	-12.5575	0.061425	-0.17955	2.143575	-972.369
9230_9231	9230	9231	154.4949	22.2705	-0.06143	0.17955	-2.8854	839.2451
9231_9231	9231	9231	-154.492	-22.2705	0.0693	-0.43628	2.8854	-839.24
9231_9232	9231	9232	133.2781	29.51078	-0.0693	0.436275	-3.51068	712.4322
9232_9232	9232	9232	-132.257	-29.9455	0.133875	-0.59378	5.72985	-716.876
9232_9233	9232	9233	123.2768	32.4261	-0.13388	0.59535	-6.1425	654.5162
9233_9233	9233	9233	-122.735	-44.4528	-1.15763	-0.5103	6.134625	-654.51
9233_9234	9233	9234	79.87613	52.09785	1.157625	0.452025	4.90455	357.6299
9234_9234	9234	9234	-79.1548	-53.1626	-1.14345	-0.48038	-4.92345	-357.615
9234_9235	9234	9235	43.55505	59.05778	1.14345	0.39375	13.3749	88.47103
9235_9235	9235	9235	-43.9189	-60.4139	-1.73565	-1.42065	-20.664	-82.0372
9235_9236	9235	9236	19.04018	65.54048	1.73565	1.3041	31.48268	-195.489
9236_9236	9236	9236	-17.9093	-72.5209	0.956025	-0.9765	-31.5189	195.4857
9236_9237	9236	9237	-20.3931	80.71088	-0.95603	1.1025	22.0941	-737.645
9237_9237	9237	9237	21.7728	-81.5078	0.9891	-0.12285	-22.0595	737.688
9237_9238	9237	9238	-50.7512	89.74035	-0.9891	0.2709	12.79845	-1327.86
9238_9238	9238	9238	53.6886	-108.741	1.904175	-3.22088	-13.1922	1327.325
9238_9239	9238	9239	-81.122	116.7327	-1.90418	3.523275	-3.89813	-2084.94
9239_9239	9239	9239	82.4418	-117.191	1.9215	-2.77673	3.95955	2084.966
9239_9240	9239	9240	-91.9454	120.7285	-1.9215	2.9169	-11.5211	-2416.63
9240_9240	9240	9240	-317.596	91.36575	1.0395	6.2937	26.54505	351.7448
9240_9241	9240	9241	360.527	-85.973	-1.0395	-6.2937	-33.127	37.92915
9241_9241	9241	9241	-360.187	62.49128	-1.25843	0.322875	33.12698	-39.3057
9241_9242	9241	9242	374.9666	-59.798	1.258425	-0.32288	-29.1517	173.45
9242_9242	9242	9242	-371.497	59.75078	-1.04265	0.29295	27.51525	-190.229
9242_9243	9242	9243	423.6435	-49.2361	1.04265	-0.29295	-14.6349	654.8378
9243_9243	9243	9243	-423.655	49.23608	-0.8442	-0.05198	14.6349	-654.839
9243_9244	9243	9244	455.2585	-41.5895	0.8442	0.051975	-7.04813	936.4084
9244_9244	9244	9244	-455.035	27.34673	-1.64745	1.3797	7.048125	-936.01
9244_9245	9244	9245	473.5742	-18.4496	1.64745	-1.3797	10.16663	1101.191
9245_9245	9245	9245	-473.596	18.44955	-1.43955	0.770175	-10.1666	-1101.21
9245_9246	9245	9246	483.9298	-10.6454	1.43955	-0.77018	23.36355	1193.272
9246_9246	9246	9246	-484.103	3.743775	-0.12758	0.956025	-23.3636	-1193.12
9246_9247	9246	9247	483.4935	5.233725	0.127575	-0.95603	24.70703	1187.698
9247_9247	9247	9247	-483.495	-5.23373	0.12285	0.16695	-24.707	-1187.71
9247_9248	9247	9248	477.0911	12.96698	-0.12285	-0.16695	23.59665	1130.65
9248_9248	9248	9248	-477.088	-21.9618	0.32445	0.108675	-23.5967	-1130.59
9248_9249	9248	9249	457.9785	30.0384	-0.32445	-0.10868	20.51123	960.3311
9249_9249	9249	9249	-457.974	-30.0384	0.508725	-0.3591	-20.5112	-960.329
9249_9250	9249	9250	431.0066	38.6631	-0.50873	0.3591	15.36098	720.068
9250_9250	9250	9250	-431.104	-46.505	1.9404	-0.90405	-15.361	-720.057
9250_9251	9250	9251	392.3073	54.9108	-1.9404	0.90405	-3.81308	374.3964
9251_9251	9251	9251	-392.282	-54.9108	2.124675	-1.08675	3.813075	-374.384
9251_9252	9251	9252	347.6828	63.20948	-2.12468	1.08675	-24.5259	-22.9871
9252_9252	9252	9252	-347.417	-78.4271	-1.78605	-7.34738	24.5259	22.46265
9252_9253	9252	9253	327.893	81.11723	1.78605	7.347375	-18.8811	-196.407
9253_9253	9253	9253	-329.032	-81.0952	-1.5939	-7.36785	18.26528	201.9323
9253_9254	9253	9254	266.1089	89.17965	1.5939	7.36785	-3.12323	-766.678
9254_9254	9254	9254	134.4231	123.7556	-4.14698	8.834175	1.60335	2991.461

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9254_9255	9254	9255	-104.652	-113.036	4.146975	-7.91123	47.73195	-1922.59
9255_9255	9255	9255	99.8991	83.12535	2.2932	-1.04423	-46.5649	1921.954
9255_9256	9255	9256	-76.9624	-73.6454	-2.2932	0.6363	22.09883	-1306.17
9256_9256	9256	9256	75.6063	73.19183	2.313675	0.7749	-22.1713	1306.139
9256_9257	9256	9257	-43.5062	-63.5891	-2.31368	-1.11983	-3.28073	-757.456
9257_9257	9257	9257	42.14543	49.74953	-0.28508	1.248975	3.2886	757.4431
9257_9258	9257	9258	-30.2873	-45.6026	0.285075	-1.23323	-1.91835	-588.77
9258_9258	9258	9258	40.8996	44.49848	-0.17798	0.641025	1.248975	526.6505
9258_9259	9258	9259	-10.4769	-35.9998	0.177975	-0.6237	0.549675	-259.501
9259_9259	9259	9259	9.96975	35.5635	-0.16853	0.688275	-0.53393	259.4816
9259_9260	9259	9260	9.0972	-29.914	0.168525	-0.68198	1.664775	-112.116
9260_9260	9260	9260	-9.3744	19.93478	0.17325	0.3024	-1.6506	112.1243
9260_9261	9260	9261	14.67428	-17.1659	-0.17325	-0.30398	1.104075	-69.53
9261_9261	9261	9261	-13.6238	16.95015	0.140175	0.35595	-0.83475	67.54545
9261_9262	9261	9262	26.59073	-6.94575	-0.14018	-0.35595	-0.76703	14.238
9262_9262	9262	9262	-26.5892	6.94575	0.14805	0.351225	0.767025	-14.249
9262_9263	9262	9263	29.05403	1.67265	-0.14805	-0.35123	-2.23335	29.7927
9263_9263	9263	9263	-29.0603	-14.1057	0.007875	-0.0126	2.23335	-29.7644
9263_9264	9263	9264	7.67025	24.35895	-0.00788	0.0126	-2.32155	-105.142
9264_9264	9264	9264	-7.67025	-24.359	0.0126	0.007875	2.32155	105.1423
9264_9265	9264	9265	-23.7179	34.23578	-0.0126	-0.00788	-2.4633	-303.101
9265_9265	9265	9265	23.72738	-46.3664	-0.00945	-0.34965	2.4633	303.1875
9265_9266	9265	9266	-81.1109	56.63858	0.00945	0.34965	-2.35778	-665.105
9266_9266	9266	9266	81.11093	-56.6386	-0.00473	-0.22995	2.357775	665.1099
9266_9267	9266	9267	-146.959	66.49808	0.004725	0.22995	-2.3121	-1080.4
9267_9267	9267	9267	146.9412	-78.6492	-0.252	-0.77963	2.3121	1080.661
9267_9268	9267	9268	-198.601	84.48773	0.252	0.779625	-0.63158	-1406.48
9268_9268	9268	9268	198.6012	-84.4877	-0.25043	-0.69615	0.631575	1406.48
9268_9269	9268	9269	-254.311	90.36248	0.250425	0.69615	1.04895	-1880.88
9269_9269	9269	9269	235.9571	-90.4192	-0.3339	-0.51975	-1.4364	2049.727
9269_9270	9269	9270	-306.745	98.87693	0.3339	0.508725	4.657275	-2621.28
9270_9270	9270	9270	308.752	-109.766	-0.64418	-1.87583	-4.72973	2622.037
9270_9271	9270	9271	-376.638	119.048	0.644175	1.819125	11.42033	-3476.25
9271_9271	9271	9271	328.4159	-120.292	-0.9828	-1.83645	-17.6069	3787.159
9271_9272	9271	9272	-358.498	127.9688	0.9828	1.749825	25.62525	-4546.86
9272_9272	9272	9272	359.9726	-127.54	-0.9702	0.69615	-25.4977	4546.886
9272_9273	9272	9273	-371.917	132.5189	0.9702	-0.76073	30.49673	-5085.55
9273_9273	9273	9273	375.2469	-144.913	1.781325	-4.8699	-31.0448	5086.596
9273_9274	9273	9274	-392.304	156.7393	-1.78133	5.195925	9.8091	-6550.26
9274_9274	9274	9274	395.8133	-156.432	1.803375	-0.19215	-9.3807	6550.332
9274_9275	9274	9275	-391.663	169.8008	-1.80338	0.60795	-14.2727	-8253.42
9275_9275	9275	9275	-317.648	103.0964	-2.51685	0.84735	58.95698	2613.294
9275_9276	9275	9276	355.5594	-98.7714	2.51685	-0.84735	-46.6704	-2217.54
9276_9276	9276	9276	-355.574	98.7714	-2.37195	1.37025	46.6704	2217.529
9276_9277	9276	9277	389.9495	-94.6811	2.37195	-1.37025	-35.7131	-1905.16
9277_9277	9277	9277	-362.653	94.50945	-1.96718	1.976625	32.4135	1807.238
9277_9278	9277	9278	428.5969	-86.3683	1.967175	-1.97663	-14.2979	-1237.91
9278_9278	9278	9278	-428.51	79.74855	-1.40963	0	14.29785	1238.345
9278_9279	9278	9279	495.3296	-69.5536	1.409625	0	1.633275	-661.453
9279_9279	9279	9279	-495.355	69.55358	-0.92138	0.5355	-1.63328	661.4465
9279_9280	9279	9280	554.6615	-59.0468	0.921375	-0.5355	12.3669	-149.408
9280_9280	9280	9280	-554.811	45.06075	-1.62383	0.35595	-12.3669	149.4376
9280_9281	9280	9281	591.6818	-34.5035	1.623825	-0.35595	31.38818	168.8936
9281_9281	9281	9281	-591.71	34.50353	-1.1655	0.228375	-31.3882	-168.9
9281_9282	9281	9282	619.2365	-23.7368	1.1655	-0.22838	45.31118	406.5516
9282_9282	9282	9282	-653.998	7.76475	1.838025	0.354375	-85.3004	-246.456
9282_9283	9282	9283	656.8569	0.952875	-1.83803	-0.35438	62.49758	277.2756
9283_9283	9283	9283	-656.824	-0.95288	2.86335	-0.01418	-62.4976	-277.279
9283_9284	9283	9284	653.0974	8.849925	-2.86335	0.014175	30.32033	237.1084
9284_9284	9284	9284	-653.115	-24.1227	2.8287	0.083475	-30.3203	-237.127
9284_9285	9284	9285	634.1501	31.24013	-2.8287	-0.08348	1.6758	32.64188
9285_9285	9285	9285	-634.123	-31.2401	3.463425	0.0567	-1.6758	-32.6419
9285_9286	9285	9286	612.2135	37.8315	-3.46343	-0.0567	-30.7991	-203.603
9286_9286	9286	9286	-612.221	-57.5222	-3.7296	-6.6024	30.79913	203.6696

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9286_9287	9286	9287	596.1769	60.34928	3.7296	6.6024	-15.7925	-376.672
9287_9287	9287	9287	-615.557	-60.4501	-4.032	-7.40408	16.53593	417.1293
9287_9288	9287	9288	575.7602	67.13595	4.032	7.404075	21.76335	-884.701
9288_9288	9288	9288	239.1685	263.3762	-8.0577	12.07395	-51.3025	6029.289
9288_9289	9288	9289	-182.725	-254.889	8.0577	-11.003	137.5826	-3783.14
9289_9289	9289	9289	174.5242	205.169	5.7519	-2.60505	-135.563	3785.046
9289_9290	9289	9290	-101.745	-196.081	-5.7519	1.897875	67.16273	-1910.06
9290_9290	9290	9290	96.82155	196.004	5.769225	1.223775	-67.2698	1910.034
9290_9291	9290	9291	2.51685	-187.423	-5.76923	-1.69628	0.3717	-177.915
9291_9291	9291	9291	-6.5709	167.2713	-0.52133	1.7325	-0.3339	177.9088
9291_9292	9291	9292	42.41318	-164.258	0.521325	-1.72305	2.49795	393.9955
9292_9292	9292	9292	-47.8422	162.5479	-0.34178	0.918225	-1.67423	-369.067
9292_9293	9292	9293	129.4839	-156.876	0.341775	-0.91193	4.41315	1215.272
9293_9293	9293	9293	-131.147	156.2841	-0.33075	0.48825	-4.39583	-1215.28
9293_9294	9293	9294	208.8907	-150.65	0.33075	-0.48825	7.04025	2071.423
9294_9294	9294	9294	-208.965	128.372	-0.37013	3.233475	-7.04025	-2071.84
9294_9295	9294	9295	241.2302	-125.546	0.370125	-3.23348	8.5239	2427.404
9295_9295	9295	9295	-210.355	126.5717	-0.54338	2.82555	-13.1292	-2601.68
9295_9296	9295	9296	277.7308	-119.328	0.543375	-2.82555	18.66533	3534.039
9296_9296	9296	9296	-277.734	119.3283	-0.52448	0.348075	-18.6653	-3534.05
9296_9297	9296	9297	329.468	-113.454	0.524475	-0.34808	23.00288	4249.952
9297_9297	9297	9297	-329.449	93.5361	0.505575	4.723425	-23.0029	-4250.59
9297_9298	9297	9298	384.7095	-85.2248	-0.50558	-4.72343	17.1864	5015.315
9298_9298	9298	9298	-384.706	85.22483	0.53235	-0.40635	-17.1864	-5015.34
9298_9299	9298	9299	431.4524	-77.5026	-0.53235	0.40635	11.49593	5662.227
9299_9299	9299	9299	-431.528	55.79595	0.24255	5.010075	-11.4959	-5663.03
9299_9300	9299	9300	461.6782	-47.9855	-0.24255	-5.01008	8.8767	6080.262
9300_9300	9300	9300	-461.677	47.98553	0.26775	-0.89618	-8.8767	-6080.28
9300_9301	9300	9301	491.5465	-38.7261	-0.26775	0.896175	5.441625	6493.619
9301_9301	9301	9301	-491.606	16.01145	0.215775	4.977	-5.44163	-6494.43
9301_9302	9301	9302	499.086	-7.43715	-0.21578	-4.977	2.8854	6597.927
9302_9302	9302	9302	-499.084	7.43715	0.247275	-2.76098	-2.8854	-6597.94
9302_9303	9302	9303	501.0989	1.0647	-0.24728	2.760975	-0.0126	6625.828
9303_9303	9303	9303	-501.174	-22.9777	0.09135	3.1815	0.0126	-6626.74
9303_9304	9303	9304	482.5769	32.0607	-0.09135	-3.1815	-1.16708	6369.39
9304_9304	9304	9304	-482.577	-32.0607	0.118125	-3.2382	1.167075	-6369.39
9304_9305	9304	9305	461.1569	40.04753	-0.11813	3.2382	-2.4759	6072.984
9305_9305	9305	9305	-461.218	-61.6376	-0.02835	2.77515	2.4759	-6073.7
9305_9306	9305	9306	422.2008	69.6276	0.02835	-2.77515	-2.1546	5533.759
9306_9306	9306	9306	-422.201	-69.6276	0.00315	-3.99735	2.1546	-5533.75
9306_9307	9306	9307	372.1158	78.70433	-0.00315	3.99735	-2.19398	4840.666
9307_9307	9307	9307	-372.201	-98.2312	-0.7182	-0.31343	2.193975	-4841.22
9307_9308	9307	9308	306.6116	106.8307	0.7182	0.313425	6.3441	3933.559
9308_9308	9308	9308	-306.615	-106.831	-0.69773	-3.36893	-6.3441	-3933.54
9308_9309	9308	9309	236.6942	115.2932	0.697725	3.368925	14.50733	2965.958
9309_9309	9309	9309	-236.748	-133.744	-1.17495	-2.37353	-14.5073	-2966.2
9309_9310	9309	9310	148.0374	142.3816	1.17495	2.373525	28.54373	1738.572
9310_9310	9310	9310	-148.045	-142.382	-1.14818	-4.11863	-28.5437	-1738.54
9310_9311	9310	9311	56.1393	150.8078	1.148175	4.118625	41.92808	466.7056
9311_9311	9311	9311	-55.3565	-159.237	12.63938	-6.00075	-41.9281	-466.556
9311_9312	9311	9312	26.7246	161.6375	-12.6394	6.00075	0	70.34423
9400_9020	9400	9020	766.6927	-100.499	46.4814	1.296225	-272.708	-1919.17
9400_9401	9400	9401	-766.693	100.4992	-46.4814	-1.29623	82.57725	1470.45
9401_9401	9401	9401	766.5903	-99.1463	8.503425	0.420525	-79.0398	-1470.5
9401_9402	9401	9402	-766.59	99.14625	-8.50343	-0.42053	49.35578	1124.418
9402_9402	9402	9402	768.7843	-80.5282	7.0182	-0.6237	-49.9889	-1124.39
9402_9403	9402	9403	-768.784	80.52818	-7.0182	0.6237	-26.638	245.1551
9403_9403	9403	9403	785.7628	-56.5976	-1.47893	-0.14175	28.9737	-245.147
9403_9404	9403	9404	-785.763	56.59763	1.478925	0.14175	-18.3141	-162.931
9404_9404	9404	9404	786.8669	-38.2977	-1.94198	-0.46935	18.3393	162.9275
9404_9405	9404	9405	-786.867	38.2977	1.941975	0.46935	-4.33598	-439.184
9405_9405	9405	9405	797.7029	-10.3052	-0.57803	-0.15435	7.800975	439.1903
9405_9406	9405	9406	-797.703	10.30523	0.578025	0.15435	0.5229	-587.703
9406_9406	9406	9406	802.2893	18.2385	-0.0441	-0.16223	3.501225	587.705

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9406_9407	9406	9407	-802.289	-18.2385	0.0441	0.162225	-3.11063	-426.233
9407_9407	9407	9407	801.7459	34.69253	-0.57488	0.0504	3.233475	426.2312
9407_9408	9407	9408	-801.746	-34.6925	0.574875	-0.0504	-0.0378	-233.428
9408_9408	9408	9408	793.4488	-134.718	-1.17968	-1.15133	0.222075	233.4292
9408_9409	9408	9409	-793.449	134.7176	1.179675	1.151325	3.353175	-641.639
9409_9409	9409	9409	792.4597	129.2067	-1.2663	0.811125	-3.27915	641.8424
9409_9410	9409	9410	-792.46	-129.207	1.2663	-0.81113	7.10325	-251.584
9410_9410	9410	9410	795.753	-39.0537	1.66635	-0.57173	-6.54728	251.5874
9410_9411	9410	9411	-795.753	39.0537	-1.66635	0.571725	-2.709	-468.624
9411_9411	9411	9411	796.3862	-22.7997	0.382725	0.118125	2.37195	468.6271
9411_9412	9411	9412	-796.386	22.7997	-0.38273	-0.11813	-5.76293	-670.432
9412_9412	9412	9412	787.6055	5.970825	0.168525	-0.0693	2.07585	670.4366
9412_9413	9412	9413	-787.606	-5.97083	-0.16853	0.0693	-4.50923	-584.325
9413_9413	9413	9413	773.1959	33.41993	1.24425	0.04725	1.51515	584.3203
9413_9414	9413	9414	-773.196	-33.4199	-1.24425	-0.04725	-10.4848	-343.378
9414_9414	9414	9414	772.2115	51.37808	0.68985	0.0567	10.4013	343.3799
9414_9415	9414	9415	-772.211	-51.3781	-0.68985	-0.0567	-15.3657	26.8002
9415_9415	9415	9415	750.0465	75.22988	-0.29768	0.0882	12.98115	-26.8002
9415_9416	9415	9416	-750.047	-75.2299	0.297675	-0.0882	-9.7272	848.0336
9416_9416	9416	9416	747.9596	93.73455	0.061425	0.269325	9.615375	-848.035
9416_9417	9416	9417	-747.96	-93.7346	-0.06143	-0.26933	-9.82958	1175.733
9417_9417	9417	9417	747.9738	95.69543	-31.541	-0.65205	9.0216	-1175.74
9417_9036	9417	9036	-747.974	-95.6954	31.54095	0.65205	120.1347	1583.289
9420_9056	9420	9056	671.265	-92.158	37.85198	0.8568	-165.97	-1743.24
9420_9421	9420	9421	-671.265	92.15798	-37.852	-0.8568	10.90215	1348.435
9421_9421	9421	9421	671.2067	-90.227	1.967175	0.40005	-8.946	-1348.42
9421_9422	9421	9422	-671.207	90.22703	-1.96718	-0.40005	2.08215	1033.695
9422_9422	9422	9422	673.1786	-74.1053	1.453725	-0.3654	-2.31053	-1033.69
9422_9423	9422	9423	-673.179	74.10533	-1.45373	0.3654	-13.5718	224.3903
9423_9423	9423	9423	690.5052	-52.9641	-0.83633	-0.08978	16.4997	-224.382
9423_9424	9423	9424	-690.505	52.9641	0.836325	0.089775	-10.4722	-157.311
9424_9424	9424	9424	691.5494	-36.8802	-1.4175	-0.19845	10.5147	157.3094
9424_9425	9424	9425	-691.549	36.8802	1.4175	0.19845	-0.2961	-423.221
9425_9425	9425	9425	700.7994	-12.4945	-0.39375	-0.04095	4.284	423.2246
9425_9426	9425	9426	-700.799	12.49448	0.39375	0.04095	1.400175	-603.318
9426_9426	9426	9426	704.6818	12.5685	0.020475	-0.18428	2.9106	603.3195
9426_9427	9426	9427	-704.682	-12.5685	-0.02048	0.184275	-3.09015	-492.016
9427_9427	9427	9427	704.2786	26.95298	-0.8946	0.379575	3.37365	492.0143
9427_9428	9427	9428	-704.279	-26.953	0.8946	-0.37958	1.595475	-342.151
9428_9428	9428	9428	696.1091	-121.059	0.348075	-1.05683	-1.95143	342.1483
9428_9429	9428	9429	-696.109	121.0592	-0.34808	1.056825	0.9009	-707.892
9429_9429	9429	9429	696.4461	122.1806	-2.39085	0.893025	-0.8631	708.2192
9429_9430	9429	9430	-696.446	-122.181	2.39085	-0.89303	8.084475	-339.173
9430_9430	9430	9430	700.0261	-25.7009	1.185975	-0.3024	-7.43715	339.1731
9430_9431	9430	9431	-700.026	25.70085	-1.18598	0.3024	0.84735	-482.07
9431_9431	9431	9431	700.4057	-11.4487	0.504	0.17955	-1.05525	482.0697
9431_9432	9431	9432	-700.406	11.44868	-0.504	-0.17955	-3.40988	-583.434
9432_9432	9432	9432	691.7306	13.68833	0.354375	0.063	-0.4473	583.4336
9432_9433	9432	9433	-691.731	-13.6883	-0.35438	-0.063	-4.6746	-386.04
9433_9433	9433	9433	677.5729	37.70865	0.911925	0.234675	1.104075	386.0357
9433_9434	9433	9434	-677.573	-37.7087	-0.91193	-0.23468	-7.68128	-114.276
9434_9434	9434	9434	676.4909	53.74373	0.5418	0.118125	7.66395	114.2773
9434_9435	9434	9435	-676.491	-53.7437	-0.5418	-0.11813	-11.5684	273.3318
9435_9435	9435	9435	655.9072	74.31638	-1.47578	0.5985	8.966475	-273.343
9435_9436	9435	9436	-655.907	-74.3164	1.475775	-0.5985	7.14105	1084.433
9436_9436	9436	9436	653.8691	90.48848	-2.5074	-1.00328	-6.65123	-1084.43
9436_9437	9436	9437	-653.869	-90.4885	2.5074	1.003275	15.41768	1400.698
9437_9437	9437	9437	654.044	91.82565	-33.8279	-0.66623	-17.8747	-1400.7
9437_9072	9437	9072	-654.044	-91.8257	33.82785	0.666225	156.3408	1794.333
9440_9094	9440	9094	736.196	-87.2613	33.16635	0.79695	-142.591	-1386.97
9440_9441	9440	9441	-736.196	87.2613	-33.1664	-0.79695	6.68115	1029.392
9441_9441	9441	9441	735.8762	-85.1618	1.116675	-0.06773	-3.86978	-1029.38
9441_9442	9441	9442	-735.876	85.16183	-1.11668	0.067725	-0.02678	732.1183
9442_9442	9442	9442	737.7237	-67.2998	0.85995	-0.3276	-0.05198	-732.118

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9442_9443	9442	9443	-737.724	67.29975	-0.85995	0.3276	-9.34605	-2.66963
9443_9443	9443	9443	753.6359	-44.015	-1.04108	-0.09135	13.33238	2.675925
9443_9444	9443	9444	-753.636	44.01495	1.041075	0.09135	-5.83538	-319.667
9444_9444	9444	9444	754.4423	-26.8223	-0.88988	-0.2898	5.8086	319.6667
9444_9445	9444	9445	-754.442	26.82225	0.889875	0.2898	0.61425	-513.204
9445_9445	9445	9445	762.3646	-0.07718	-0.61583	-0.0567	4.48245	513.209
9445_9446	9445	9446	-762.365	0.077175	0.615825	0.0567	4.39425	-514.319
9446_9446	9446	9446	765.1271	27.14198	1.30095	-0.15908	0.6615	514.3226
9446_9447	9446	9447	-765.127	-27.142	-1.30095	0.159075	-12.1795	-273.889
9447_9447	9447	9447	764.3743	43.46528	-0.64733	0.26145	12.4866	273.8752
9447_9448	9447	9448	-764.374	-43.4653	0.647325	-0.26145	-8.89088	-32.6135
9448_9448	9448	9448	756.808	-117.979	-0.21578	1.3293	9.198	32.62298
9448_9449	9448	9449	-756.808	117.9785	0.215775	-1.3293	-8.54753	-389.458
9449_9449	9449	9449	756.7308	117.6478	0.433125	-1.4805	8.5806	389.4345
9449_9450	9449	9450	-756.731	-117.648	-0.43313	1.4805	-9.88943	-33.5979
9450_9450	9450	9450	762.2606	-43.1408	-0.6552	0.074025	9.8406	33.60735
9450_9451	9450	9451	-762.261	43.14083	0.6552	-0.07403	-6.20078	-273.463
9451_9451	9451	9451	762.9867	-27.4586	-0.4158	-0.1386	6.237	273.4625
9451_9452	9451	9452	-762.987	27.45855	0.4158	0.1386	-2.55623	-516.695
9452_9452	9452	9452	758.3184	-0.32288	0.41895	0.001575	-2.54048	516.6898
9452_9453	9452	9453	-758.318	0.322875	-0.41895	-0.00158	-3.4965	-521.352
9453_9453	9453	9453	748.7078	25.99223	0.9135	0.159075	-1.3167	521.3471
9453_9454	9453	9454	-748.708	-25.9922	-0.9135	-0.15908	-5.26365	-334.084
9454_9454	9454	9454	747.8825	43.72673	0.73395	0.114975	5.240025	334.0843
9454_9455	9454	9455	-747.882	-43.7267	-0.73395	-0.11498	-10.5289	-18.826
9455_9455	9455	9455	729.5526	66.7548	0.36225	0.417375	6.61185	18.81968
9455_9456	9455	9456	-729.553	-66.7548	-0.36225	-0.41738	-10.5761	710.4305
9456_9456	9456	9456	727.7414	84.22943	-0.29453	-0.4977	10.7604	-710.427
9456_9457	9456	9457	-727.741	-84.2294	0.294525	0.4977	-9.73193	1004.326
9457_9457	9457	9457	728.1178	86.22968	-29.6195	-0.54653	6.64965	-1004.33
9457_9110	9457	9110	-728.118	-86.2297	29.61945	0.546525	114.6758	1371.123
9460_9132	9460	9132	648.3078	-87.7968	24.76058	0.300825	-94.7599	-1679.52
9460_9461	9460	9461	-648.308	87.7968	-24.7606	-0.30083	-6.6276	1271.101
9461_9461	9461	9461	647.7566	-86.1588	-1.06785	-0.91508	10.07055	-1271.09
9461_9462	9461	9462	-647.757	86.1588	1.06785	0.915075	-6.34568	970.5623
9462_9462	9462	9462	649.6371	-70.5915	-0.4914	-0.17798	6.581925	-970.562
9462_9463	9462	9463	-649.637	70.5915	0.4914	0.177975	-1.2096	199.6659
9463_9463	9463	9463	657.9815	-49.9937	-0.66623	-0.25358	5.3361	-199.663
9463_9464	9463	9464	-657.981	49.99365	0.666225	0.253575	-0.53078	-160.644
9464_9464	9464	9464	658.9658	-34.6862	-0.66623	-0.26618	0.524475	160.6437
9464_9465	9464	9465	-658.966	34.68623	0.666225	0.266175	4.284	-410.773
9465_9465	9465	9465	662.675	-10.8518	-0.3528	-0.12758	0.1512	410.7726
9465_9466	9465	9466	-662.675	10.85175	0.3528	0.127575	4.925025	-567.124
9466_9466	9466	9466	663.4877	13.16858	0.75915	-0.1764	-0.45675	567.1307
9466_9467	9466	9467	-663.488	-13.1686	-0.75915	0.1764	-6.27323	-450.417
9467_9467	9467	9467	663.064	27.1089	0.004725	0.1953	6.500025	450.4138
9467_9468	9467	9468	-663.064	-27.1089	-0.00473	-0.1953	-6.52365	-299.762
9468_9468	9468	9468	653.2612	-111.145	-1.0395	2.027025	6.559875	299.7619
9468_9469	9468	9469	-653.261	111.1446	1.0395	-2.02703	-3.41933	-635.742
9469_9469	9469	9469	647.6983	109.8295	0.66465	-2.0475	3.107475	619.4444
9469_9470	9469	9470	-647.698	-109.829	-0.66465	2.0475	-5.11875	-287.434
9470_9470	9470	9470	658.0287	-27.1703	-0.78435	0.33705	5.126625	287.4344
9470_9471	9470	9471	-658.029	27.17033	0.78435	-0.33705	-0.76545	-438.431
9471_9471	9471	9471	658.4492	-13.6332	-0.03465	-0.17325	0.987525	438.4312
9471_9472	9471	9472	-658.449	13.6332	0.03465	0.17325	-0.68355	-559.134
9472_9472	9472	9472	658.2713	10.51785	0.508725	0.121275	-4.04775	559.1297
9472_9473	9472	9473	-658.271	-10.5179	-0.50873	-0.12128	-3.29175	-407.479
9473_9473	9473	9473	653.3447	33.70028	0.6426	0.281925	-1.18283	407.4761
9473_9474	9473	9474	-653.345	-33.7003	-0.6426	-0.28193	-3.45555	-164.465
9474_9474	9474	9474	652.3855	48.87698	0.6426	0.2016	3.46185	164.4647
9474_9475	9474	9475	-652.385	-48.877	-0.6426	-0.2016	-8.09708	187.7888
9475_9475	9475	9475	639.3193	68.8842	0.886725	0.533925	4.32495	-187.795
9475_9476	9475	9476	-639.319	-68.8842	-0.88673	-0.53393	-14.0018	940.0403
9476_9476	9476	9476	637.4828	84.20265	0.319725	-0.66938	14.24273	-940.037

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9476_9477	9476	9477	-637.483	-84.2027	-0.31973	0.669375	-15.3563	1233.746
9477_9477	9477	9477	637.8372	85.84065	-29.0572	-0.5544	12.94335	-1233.75
9477_9148	9477	9148	-637.837	-85.8407	29.05718	0.5544	106.04	1585.245
9480_9168	9480	9168	630.6725	-91.6808	30.61013	0.804825	-125.257	-1808.99
9480_9481	9480	9481	-630.673	91.68075	-30.6101	-0.80483	-0.0819	1433.581
9481_9481	9481	9481	630.3875	-90.3263	0.294525	-0.25043	1.69785	-1433.58
9481_9482	9481	9482	-630.387	90.32625	-0.29453	0.250425	-2.72948	1117.64
9482_9482	9482	9482	632.4476	-74.5463	0.294525	-0.31815	2.723175	-1117.64
9482_9483	9482	9483	-632.448	74.54633	-0.29453	0.31815	-5.9409	304.2853
9483_9483	9483	9483	643.3434	-55.0305	-0.35438	-0.31028	9.407475	-304.277
9483_9484	9483	9484	-643.343	55.0305	0.354375	0.310275	-6.85283	-92.3281
9484_9484	9484	9484	644.4475	-40.0617	-1.2222	-0.34178	6.88905	92.32493
9484_9485	9484	9485	-644.447	40.0617	1.2222	0.341775	1.92465	-381.218
9485_9485	9485	9485	647.8101	-17.1738	-0.45203	-0.22208	2.011275	381.2256
9485_9486	9485	9486	-647.81	17.1738	0.452025	0.222075	4.502925	-628.842
9486_9486	9486	9486	645.9658	6.666975	0.38745	0.32445	-0.11498	628.8487
9486_9487	9486	9487	-645.966	-6.66698	-0.38745	-0.32445	-3.31853	-569.816
9487_9487	9487	9487	645.6902	19.94895	1.56555	-0.7686	2.8539	569.8177
9487_9488	9487	9488	-645.69	-19.949	-1.56555	0.7686	-11.5574	-458.955
9488_9488	9488	9488	631.4128	-113.669	-2.51055	3.507525	12.09915	458.9456
9488_9489	9488	9489	-631.413	113.6693	2.51055	-3.50753	-4.51238	-802.559
9489_9489	9489	9489	628.5573	113.9024	0.644175	-3.5343	9.8154	793.559
9489_9490	9489	9490	-628.557	-113.902	-0.64418	3.5343	-11.7637	-449.239
9490_9490	9490	9490	641.8724	-19.0748	-1.28363	0.504	11.68493	449.2373
9490_9491	9490	9491	-641.872	19.07483	1.283625	-0.504	-4.55175	-555.241
9491_9491	9491	9491	642.1322	-5.5818	-0.55598	-0.21893	4.833675	555.2395
9491_9492	9491	9492	-642.132	5.5818	0.555975	0.218925	0.096075	-604.712
9492_9492	9492	9492	642.6961	17.64788	0.379575	0.21735	-4.39898	604.7055
9492_9493	9492	9493	-642.696	-17.6479	-0.37958	-0.21735	-1.06943	-350.433
9493_9493	9493	9493	638.2766	40.50743	1.2915	0.360675	-2.5641	350.4312
9493_9494	9493	9494	-638.277	-40.5074	-1.2915	-0.36068	-6.74573	-58.3286
9494_9494	9494	9494	637.1631	55.3329	0.42525	0.285075	6.72525	58.33013
9494_9495	9494	9495	-637.163	-55.3329	-0.42525	-0.28508	-9.79493	340.4457
9495_9495	9495	9495	624.0323	75.01095	0.3087	0.603225	6.65595	-340.454
9495_9496	9495	9496	-624.032	-75.011	-0.3087	-0.60323	-10.0312	1160.323
9496_9496	9496	9496	622.1423	89.3403	-0.24255	-0.69615	10.32885	-1160.32
9496_9497	9496	9497	-622.142	-89.3403	0.24255	0.69615	-9.4878	1471.083
9497_9497	9497	9497	622.2746	91.36103	-33.0939	-0.79223	7.5474	-1471.09
9497_9184	9497	9184	-622.275	-91.361	33.0939	0.792225	127.9609	1882.089
9500_9204	9500	9204	690.6044	-98.0847	38.18745	1.450575	-173.718	-1919.75
9500_9501	9500	9501	-690.604	98.0847	-38.1875	-1.45058	17.35493	1499.113
9501_9501	9501	9501	690.7304	-96.5522	3.5091	2.212875	-14.7798	-1499.14
9501_9502	9501	9502	-690.73	96.55223	-3.5091	-2.21288	2.5389	1162.348
9502_9502	9502	9502	692.8551	-79.9502	1.60335	-1.03635	-3.45398	-1162.35
9502_9503	9502	9503	-692.855	79.95015	-1.60335	1.03635	-14.0522	289.2598
9503_9503	9503	9503	710.9629	-58.2545	-1.54508	-0.18585	15.93113	-289.244
9503_9504	9503	9504	-710.963	58.25453	1.545075	0.18585	-4.79273	-130.597
9504_9504	9504	9504	712.1268	-41.7139	-0.57803	-0.4788	4.723425	130.599
9504_9505	9504	9505	-712.127	41.71388	0.578025	0.4788	-0.55283	-431.399
9505_9505	9505	9505	723.4794	-16.391	-0.28035	-0.14805	3.24765	431.4051
9505_9506	9505	9506	-723.479	16.39103	0.28035	0.14805	0.795375	-667.567
9506_9506	9506	9506	730.2377	9.1224	0.732375	-0.22523	2.5137	667.5653
9506_9507	9506	9507	-730.238	-9.1224	-0.73238	0.225225	-9.0027	-586.711
9507_9507	9507	9507	729.8865	24.46448	-0.27878	0.385875	9.363375	586.7048
9507_9508	9507	9508	-729.887	-24.4645	0.278775	-0.38588	-7.81515	-450.745
9508_9508	9508	9508	722.2934	-129.548	-0.35595	0.90405	8.185275	450.7335
9508_9509	9508	9509	-722.293	129.5485	0.35595	-0.90405	-7.11113	-842.356
9509_9509	9509	9509	722.4021	130.0919	2.1231	-0.7434	7.0749	842.2643
9509_9510	9509	9510	-722.402	-130.092	-2.1231	0.7434	-13.4915	-449.006
9510_9510	9510	9510	732.1451	-24.1117	-0.0819	-0.3528	12.4425	449.0262
9510_9511	9510	9511	-732.145	24.11168	0.0819	0.3528	-11.9842	-583.029
9511_9511	9511	9511	732.4837	-9.04523	-1.38758	0.433125	11.52585	583.0382
9511_9512	9511	9512	-732.484	9.045225	1.387575	-0.43313	0.754425	-663.133
9512_9512	9512	9512	728.2737	16.8525	0.565425	0.247275	-4.06508	663.1317

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9512_9513	9512	9513	-728.274	-16.8525	-0.56543	-0.24728	-4.07768	-420.292
9513_9513	9513	9513	719.2852	42.20528	1.5561	0.578025	0.861525	420.2919
9513_9514	9513	9514	-719.285	-42.2053	-1.5561	-0.57803	-12.0787	-115.915
9514_9514	9514	9514	718.1087	58.90973	1.633275	0.2835	12.09443	115.9153
9514_9515	9514	9515	-718.109	-58.9097	-1.63328	-0.2835	-23.8691	308.6969
9515_9515	9515	9515	701.4546	80.88413	-2.9232	0.433125	22.52408	-308.706
9515_9516	9515	9516	-701.455	-80.8841	2.9232	-0.43313	9.40905	1192.151
9516_9516	9516	9516	699.3095	97.68938	-3.40043	-0.18428	-9.16965	-1192.15
9516_9517	9516	9517	-699.309	-97.6894	3.400425	0.184275	21.03255	1532.974
9517_9517	9517	9517	698.596	100.0661	-46.2656	-2.2365	-21.5492	-1533
9517_9220	9517	9220	-698.596	-100.066	46.26563	2.2365	211.0374	1942.843
9520_9240	9520	9240	495.0288	-95.2418	6.355125	5.756625	-96.2357	-2359.81
9520_9521	9520	9521	-495.029	95.24183	-6.35513	-5.75663	70.25445	1970.47
9521_9521	9521	9521	495.2336	-94.5252	4.2651	-0.64575	-69.6056	-1970.9
9521_9522	9521	9522	-495.234	94.5252	-4.2651	0.64575	54.72338	1641.041
9522_9522	9522	9522	497.3551	-82.634	4.301325	0.79065	-54.6872	-1641.04
9522_9523	9522	9523	-497.355	82.63395	-4.30133	-0.79065	7.69545	738.1553
9523_9523	9523	9523	514.8423	-67.6825	0.945	-0.29138	-7.46865	-737.886
9523_9524	9523	9524	-514.842	67.68248	-0.945	0.291375	0.659925	250.3919
9524_9524	9524	9524	516.2756	-55.7156	-0.0378	-0.77175	-0.84263	-250.39
9524_9525	9524	9525	-516.276	55.71563	0.0378	0.77175	1.116675	-151.197
9525_9525	9525	9525	533.3501	-38.2725	-0.31343	-0.68513	-0.10395	151.2331
9525_9526	9525	9526	-533.35	38.2725	0.313425	0.685125	4.61475	-703.19
9526_9526	9526	9526	545.706	-19.4261	-0.27878	-1.46633	-2.66018	702.6658
9526_9527	9526	9527	-545.706	19.42605	0.278775	1.466325	5.1282	-874.59
9527_9527	9527	9527	545.9816	-8.46405	-1.91678	1.280475	-3.94223	874.5959
9527_9528	9527	9528	-545.982	8.46405	1.916775	-1.28048	14.60498	-921.665
9528_9528	9528	9528	538.7272	-124.182	2.697975	-4.2084	-15.55	921.5325
9528_9529	9528	9529	-538.727	124.1825	-2.69798	4.2084	7.3836	-1297.33
9529_9529	9529	9529	538.0468	120.7773	0.2583	3.523275	-7.23398	1296.531
9529_9530	9529	9530	-538.047	-120.777	-0.2583	-3.52328	6.452775	-932.101
9530_9530	9530	9530	546.9235	5.989725	2.08215	-0.97965	-6.86543	931.4424
9530_9531	9530	9531	-546.923	-5.98973	-2.08215	0.97965	-4.7124	-898.128
9531_9531	9531	9531	546.692	17.07458	1.063125	0.622125	3.954825	898.1312
9531_9532	9531	9532	-546.692	-17.0746	-1.06313	-0.62213	-13.3639	-746.925
9532_9532	9532	9532	540.2392	36.30848	-0.5985	0.41895	11.4408	746.728
9532_9533	9532	9533	-540.239	-36.3085	0.5985	-0.41895	-2.8098	-223.502
9533_9533	9533	9533	529.3748	55.188	0.845775	1.204875	1.771875	223.6248
9533_9534	9533	9534	-529.375	-55.188	-0.84578	-1.20488	-7.87343	174.2501
9534_9534	9534	9534	527.94	67.5486	-0.8757	0.4284	8.09235	-174.244
9534_9535	9534	9535	-527.94	-67.5486	0.8757	-0.4284	-1.78133	661.133
9535_9535	9535	9535	508.0777	83.8908	5.2479	1.8648	1.7703	-660.727
9535_9536	9535	9536	-508.078	-83.8908	-5.2479	-1.8648	-59.1003	1577.192
9536_9536	9536	9536	505.9278	96.05138	4.28085	-2.72633	59.97443	-1577.16
9536_9537	9536	9537	-505.928	-96.0514	-4.28085	2.726325	-74.9149	1912.335
9537_9537	9537	9537	509.5771	95.2812	-18.6307	-14.1671	76.3938	-1913.99
9537_9254	9537	9254	-509.577	-95.2812	18.63068	14.16713	-0.18743	2326.776
9540_9275	9540	9275	877.5554	-113.164	44.41815	7.08435	-314.707	-1761.36
9540_9541	9540	9541	-877.555	113.1638	-44.4182	-7.08435	132.8796	1263.585
9541_9541	9541	9541	891.2153	-106.999	11.2896	0.114975	-130.489	-1266.23
9541_9542	9541	9542	-891.215	106.9992	-11.2896	-0.11498	91.10588	892.9762
9542_9542	9542	9542	893.5495	-85.5824	9.1665	0.118125	-91.717	-892.913
9542_9543	9542	9543	-893.549	85.58235	-9.1665	-0.11813	-8.38688	-41.7643
9543_9543	9543	9543	911.9518	-56.3441	-0.19058	-0.92138	9.79965	41.5989
9543_9544	9543	9544	-911.952	56.34405	0.190575	0.921375	-8.43255	-447.552
9544_9544	9544	9544	912.996	-35.573	-1.071	-0.67568	8.563275	447.5489
9544_9545	9544	9545	-912.996	35.57295	1.071	0.675675	-0.82845	-704.356
9545_9545	9545	9545	926.2134	-3.2256	-0.15593	-0.67725	3.1248	703.6864
9545_9546	9545	9546	-926.213	3.2256	0.155925	0.67725	-0.88673	-750.168
9546_9546	9546	9546	932.2409	29.15325	2.23335	-0.3339	3.227175	749.5756
9546_9547	9546	9547	-932.241	-29.1533	-2.23335	0.3339	-22.995	-491.46
9547_9547	9547	9547	931.4771	47.7414	1.258425	-0.2898	23.21393	491.4488
9547_9548	9547	9548	-931.477	-47.7414	-1.25843	0.2898	-30.2132	-225.778
9548_9548	9548	9548	923.2508	-147.48	-0.7497	1.107225	30.84323	223.8154

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
9548_9549	9548	9549	-923.251	147.4799	0.7497	-1.10723	-28.5831	-668.469
9549_9549	9549	9549	928.0168	152.3025	-1.33718	-0.94343	28.61618	670.8902
9549_9550	9549	9550	-928.017	-152.303	1.337175	0.943425	-24.6314	-216.851
9550_9550	9550	9550	932.8079	-51.4442	2.74365	-0.26775	24.15893	215.2584
9550_9551	9550	9551	-932.808	51.44423	-2.74365	0.26775	-39.6837	-506.377
9551_9551	9551	9551	933.7482	-29.9817	-0.25358	0.420525	38.94345	506.435
9551_9552	9551	9552	-933.748	29.9817	0.253575	-0.42053	-36.8062	-758.887
9552_9552	9552	9552	925.1345	7.857675	-0.01733	0.184275	35.04218	758.972
9552_9553	9552	9553	-925.135	-7.85768	0.017325	-0.18428	-34.7918	-648.29
9553_9553	9553	9553	911.2777	42.7329	-1.80023	1.041075	33.27188	648.2684
9553_9554	9553	9554	-911.278	-42.7329	1.800225	-1.04108	-20.5963	-347.465
9554_9554	9554	9554	909.8838	66.08543	-1.54035	0.4095	20.64983	347.4639
9554_9555	9554	9555	-909.884	-66.0854	1.54035	-0.4095	-9.80753	117.8368
9555_9555	9555	9555	887.7661	99.03915	-1.52145	1.201725	10.23908	-117.273
9555_9556	9555	9556	-887.766	-99.0392	1.52145	-1.20173	5.9787	1172.789
9556_9556	9556	9556	884.7389	123.1776	-2.47118	0.0567	-5.6007	-1172.79
9556_9557	9556	9557	-884.739	-123.178	2.471175	-0.0567	14.0553	1594.185
9557_9557	9557	9557	888.4008	127.9499	-16.6934	-12.7607	-12.7071	-1597.84
9557_9288	9557	9288	-888.401	-127.95	16.69343	12.76065	106.1487	2360.324
49000_9000	49000	9000	-1.70231	167.7115	14.35035	13.19351	0	-25.4244
49000_9001	49000	9001	1.702313	-156.215	-14.3504	-13.1935	-119.103	1369.724
49001_9001	49001	9001	-1.6842	156.2145	14.35245	11.2791	119.1033	-1369.74
49001_9002	49001	9002	1.6842	-143.894	-14.3525	-11.2791	-246.748	2704.337
49002_9002	49002	9002	-1.6716	140.6491	-11.4734	12.14378	246.7476	-2704.34
49002_9003	49002	9003	1.6716	-123.911	11.47335	-12.1438	-108.095	4302.703
49003_9003	49003	9003	-1.69129	123.9105	-11.471	4.60845	108.0951	-4302.72
49003_9004	49003	9004	1.691288	-107.163	11.47099	-4.60845	30.6075	5699.601
49004_9004	49004	9004	-1.69129	94.22096	1.3902	10.83889	-30.6075	-5699.61
49004_9005	49004	9005	1.691288	-77.4879	-1.3902	-10.8389	13.82745	6736.661
49005_9005	49005	9005	-1.68709	77.4879	1.392563	-0.95655	-13.8275	-6736.67
49005_9006	49005	9006	1.687088	-60.7464	-1.39256	0.95655	-2.99775	7572.052
49006_9006	49006	9006	-1.6884	50.79716	0.387188	6.313125	2.99775	-7572.06
49006_9007	49006	9007	1.6884	-34.057	-0.38719	-6.31313	-7.67708	8084.775
49007_9007	49007	9007	-1.68709	34.05701	0.387713	-0.32051	7.677075	-8084.78
49007_9008	49007	9008	1.687088	-17.3169	-0.38771	0.320513	-12.3758	8395.166
49008_9008	49008	9008	-1.68709	7.256025	-0.2142	-0.43286	12.37583	-8395.17
49008_9009	49008	9009	1.687088	9.491213	0.2142	0.432863	-9.78758	8381.654
49009_9009	49009	9009	-1.68709	-9.49121	-0.21289	0.456225	9.787575	-8381.65
49009_9010	49009	9010	1.687088	26.22428	0.212888	-0.45623	-7.20143	8165.939
49010_9010	49010	9010	-1.68683	-36.8091	0.8862	4.200788	7.201425	-8165.94
49010_9011	49010	9011	1.686825	53.55341	-0.8862	-4.20079	-17.9051	7619.817
49011_9011	49011	9011	-1.68551	-53.5534	0.888563	-8.3097	17.90513	-7619.81
49011_9012	49011	9012	1.685513	70.29356	-0.88856	8.3097	-28.6393	6871.482
49012_9012	49012	9012	-1.68683	-80.8361	-0.44021	0.89985	28.63928	-6871.48
49012_9013	49012	9013	1.686825	97.57335	0.440213	-0.89985	-23.3213	5793.581
49013_9013	49013	9013	-1.68683	-97.5734	-0.43654	-8.61683	23.32129	-5793.58
49013_9014	49013	9014	1.686825	114.3093	0.436538	8.616825	-18.0351	4513.697
49014_9014	49014	9014	-1.68551	-124.885	2.1231	-0.3297	18.03506	-4513.69
49014_9015	49014	9015	1.685513	146.4194	-2.1231	0.3297	-51.0381	2404.942
49015_9015	49015	9015	-0.37459	-146.429	2.126775	-5.82225	50.98853	-2405.91
49015_9016	49015	9016	0.260925	157.8539	-2.12678	5.82225	-68.5269	1150.75
49016_9016	49016	9016	3.083588	-171.118	-4.09316	-7.85164	34.13576	-304.499
49016_9017	49016	9017	-3.5532	187.289	4.093163	7.851638	14.00411	-1910.9
49017_9017	49017	9017	8.182388	-187.146	-4.09054	-3.84825	-14.0078	1911.05
49017_9018	49017	9018	-9.18566	205.3774	4.090538	3.84825	68.29174	-4539.33
49018_9018	49018	9018	15.20111	-216.52	4.851525	-13.7563	-69.2549	4539.205
49018_9019	49018	9019	-16.6047	233.7127	-4.85153	13.75631	8.457488	-7372.7
49019_9019	49019	9019	22.75219	-233.193	4.853888	-1.4343	-7.57024	7372.714
49019_9020	49019	9020	-24.6249	250.3948	-4.85389	1.4343	-53.4358	-10472.6
49020_9020	49020	9020	-924.808	86.58326	-9.55211	-0.95104	211.3682	2153.166
49020_9021	49020	9021	924.8077	-73.5092	9.552113	0.951038	-120.597	-1350.29
49021_9021	49021	9021	-924.828	73.50919	-7.42271	3.952463	120.5967	1126.79
49021_9022	49021	9022	924.8279	-62.8617	7.422713	-3.95246	-63.1499	-599.098
49022_9022	49022	9022	-924.82	62.86166	-8.33831	3.357638	63.14989	599.1027

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49022_9023	49022	9023	924.8203	-52.1863	8.338313	-3.35764	1.563188	-152.712
49023_9023	49023	9023	-924.845	44.64049	-2.55911	-0.48904	-1.56319	152.696
49023_9024	49023	9024	924.8453	-33.6344	2.559113	0.489038	22.0332	160.3862
49024_9024	49024	9024	-924.845	33.63439	-2.55911	-0.48904	-22.0332	-160.386
49024_9025	49024	9025	924.8453	-22.6283	2.559113	0.489038	42.50164	385.4269
49025_9025	49025	9025	-924.848	17.85079	-1.40858	-0.96889	-42.5016	-385.428
49025_9026	49025	9026	924.8484	-6.84758	1.408575	0.968888	53.77811	484.2002
49026_9026	49026	9026	-924.847	-1.83829	-2.09528	-0.54364	-53.7781	-484.2
49026_9027	49026	9027	924.8471	10.0884	2.095275	0.543638	66.33821	448.4456
49027_9027	49027	9027	-924.848	-10.0884	-0.39428	-1.36789	-66.3382	-448.444
49027_9028	49027	9028	924.8484	18.34744	0.394275	1.367888	68.70596	363.0601
49028_9028	49028	9028	-924.848	-18.3474	-0.56018	-1.30253	-68.706	-363.06
49028_9029	49028	9029	924.8484	26.59755	0.560175	1.302525	72.07121	228.3228
49029_9029	49029	9029	-924.848	-26.5976	-0.39428	-1.34505	-72.0712	-228.323
49029_9030	49029	9030	924.8484	34.85948	0.394275	1.34505	74.43923	43.79104
49030_9030	49030	9030	-924.851	-43.675	0.287438	-2.12441	-74.4392	-43.7863
49030_9031	49030	9031	924.8513	54.67376	-0.28744	2.124413	72.14498	-349.381
49031_9031	49031	9031	-924.851	-54.6738	0.287438	-2.12441	-72.145	349.3807
49031_9032	49031	9032	924.8513	65.67409	-0.28744	2.124413	69.85073	-830.496
49032_9032	49032	9032	-924.85	-65.6741	1.560038	-0.98228	-69.8507	830.498
49032_9033	49032	9033	924.8497	76.68596	-1.56004	0.982275	57.3762	-1400.24
49033_9033	49033	9033	-924.84	-84.7355	3.9795	-7.266	-57.3762	1400.267
49033_9034	49033	9034	924.8403	95.39906	-3.9795	7.266	26.51828	-2098.51
49034_9034	49034	9034	-924.84	-95.3991	3.9795	-7.266	-26.5183	2098.506
49034_9035	49034	9035	924.8403	106.0642	-3.9795	7.266	-4.34096	-2879.43
49035_9035	49035	9035	-924.828	-106.064	6.187388	1.1445	4.340963	3109.133
49035_9036	49035	9036	924.8277	119.1354	-6.18739	-1.1445	-63.1257	-4220.58
49036_9036	49036	9036	27.43466	224.527	-2.61949	-9.81488	9.467325	12817.8
49036_9037	49036	9037	-25.5604	-207.336	2.619488	9.814875	23.46356	-10178
49037_9037	49037	9037	20.07259	207.9396	-2.63078	15.37016	-25.589	10177.95
49037_9038	49037	9038	-18.6632	-190.738	2.630775	-15.3702	58.58685	-7628.45
49038_9038	49038	9038	13.31873	180.6633	0.468825	-3.8367	-57.1253	7628.668
49038_9039	49038	9039	-12.3126	-162.44	-0.46883	3.8367	50.90453	-5359.89
49039_9039	49039	9039	41.60678	250.3644	2.500313	23.28191	-44.4867	18879.92
49039_9040	49039	9040	-41.1416	-234.264	-2.50031	-23.2819	15.09716	-16254.3
49040_9040	49040	9040	36.95501	217.4844	0.788288	1.130588	-14.4971	16254.99
49040_9041	49040	9041	-36.8403	-206.191	-0.78829	-1.13059	7.99365	-14695
49041_9041	49041	9041	34.99519	206.5111	0.7917	-0.67095	-7.98341	14705.49
49041_9042	49041	9042	-34.9952	-185.804	-0.7917	0.67095	-3.99761	-10777.6
49042_9042	49042	9042	34.99545	175.2227	-0.5166	-2.02046	3.997613	10777.61
49042_9043	49042	9043	-34.9955	-158.949	0.5166	2.020463	2.12415	-8792.15
49043_9043	49043	9043	34.99414	158.9487	-0.54285	4.656488	-2.12415	8792.145
49043_9044	49043	9044	-34.9941	-142.692	0.54285	-4.65649	8.555663	-7001.61
49044_9044	49044	9044	34.9944	127.4459	-0.05749	-0.76283	-8.55566	7001.59
49044_9045	49044	9045	-34.9944	-111.176	0.057488	0.762825	9.250763	-5584.16
49045_9045	49045	9045	34.9944	111.1764	-0.08899	3.919388	-9.25076	5584.161
49045_9046	49045	9046	-34.9944	-94.9082	0.088988	-3.91939	10.29394	-4360.1
49046_9046	49046	9046	34.9944	84.68513	0.061425	-0.17378	-10.2939	4360.098
49046_9047	49046	9047	-34.9944	-68.4198	-0.06143	0.173775	9.572063	-3450.85
49047_9047	49047	9047	34.9944	68.41984	0.032813	2.722125	-9.57206	3450.847
49047_9048	49047	9048	-34.9944	-52.1561	-0.03281	-2.72213	9.196688	-2734.84
49048_9048	49048	9048	34.9944	42.0294	-0.40871	-0.22654	-9.19669	2734.834
49048_9049	49048	9049	-34.9944	-25.7683	0.408713	0.226538	14.06055	-2332.3
49049_9049	49049	9049	34.99283	25.76831	-0.4389	1.730663	-14.0606	2332.299
49049_9050	49049	9050	-34.9928	-9.50749	0.4389	-1.73066	19.2696	-2122.88
49050_9050	49050	9050	34.99414	-0.50531	1.452675	0.1029	-19.2696	2122.876
49050_9051	49050	9051	-34.9941	21.23284	-1.45268	-0.1029	-2.72344	-2630.48
49051_9051	49051	9051	35.17474	-20.932	1.420388	2.339138	2.7447	2626.918
49051_9052	49051	9052	-35.285	32.2287	-1.42039	-2.33914	-14.4624	-2653.75
49052_9052	49052	9052	36.16883	-44.1221	-4.01231	2.039625	14.49683	2653.694
49052_9053	49052	9053	-36.6243	60.21173	4.012313	-2.03963	32.65815	-3210.09
49053_9053	49053	9053	41.50388	-56.5173	-1.95353	-1.49599	-46.9946	2736.235
49053_9054	49053	9054	-42.4927	74.50301	1.953525	1.495988	72.92355	-3596.44
49054_9054	49054	9054	45.05655	-83.3485	3.897075	-4.62026	-73.3136	3596.344

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49054_9055	49054	9055	-46.4407	100.3078	-3.89708	4.620263	24.46211	-4723.68
49055_9055	49055	9055	49.04996	-99.0607	3.866888	-0.26749	-24.1967	4723.681
49055_9056	49055	9056	-50.8938	116.0184	-3.86689	0.267488	-24.3747	-6088.26
49056_9056	49056	9056	-525.823	128.499	-4.69009	1.9047	35.56035	2870.99
49056_9057	49056	9057	525.8227	-115.612	4.690088	-1.9047	8.988787	-1683.17
49057_9057	49057	9057	-525.83	115.6116	-3.74115	5.158388	-8.98879	1653.165
49057_9058	49057	9058	525.83	-105.093	3.74115	-5.15839	37.99346	-797.661
49058_9058	49058	9058	-525.835	105.0929	-3.06443	6.1824	-37.9935	797.6548
49058_9059	49058	9059	525.8348	-94.5746	3.064425	-6.1824	61.74998	-23.7694
49059_9059	49059	9059	-525.846	87.20381	0.499538	2.557275	-61.75	23.7594
49059_9060	49059	9060	525.8463	-76.3605	-0.49954	-2.55728	57.75683	629.894
49060_9060	49060	9060	-525.845	71.58296	1.20435	1.712288	-57.7568	-629.896
49060_9061	49060	9061	525.845	-60.7252	-1.20435	-1.71229	48.11966	1159.248
49061_9061	49061	9061	-525.845	60.72518	1.20435	1.712288	-48.1197	-1159.25
49061_9062	49061	9062	525.845	-49.8674	-1.20435	-1.71229	38.48381	1601.721
49062_9062	49062	9062	-525.842	41.34664	1.09305	1.277063	-38.4838	-1601.72
49062_9063	49062	9063	525.8421	-33.1997	-1.09305	-1.27706	31.92105	1825.556
49063_9063	49063	9063	-525.842	33.19969	0.154087	4.531538	-31.9211	-1825.55
49063_9064	49063	9064	525.8421	-25.0614	-0.15409	-4.53154	30.99128	2000.222
49064_9064	49064	9064	-525.838	25.0614	1.903913	-2.12389	-30.9913	-2000.22
49064_9065	49064	9065	525.8379	-16.9276	-1.90391	2.123888	19.5741	2126.088
49065_9065	49065	9065	-525.842	16.92758	1.09305	1.160775	-19.5741	-2126.09
49065_9066	49065	9066	525.8421	-8.77905	-1.09305	-1.16078	13.01134	2203.284
49066_9066	49066	9066	-525.839	0.481163	1.386263	2.185575	-13.0113	-2203.29
49066_9067	49066	9067	525.8395	10.37243	-1.38626	-2.18558	1.927538	2163.731
49067_9067	49067	9067	-525.838	-10.3724	2.04015	-0.51398	-1.92754	-2163.73
49067_9068	49067	9068	525.8379	21.22575	-2.04015	0.513975	-14.3981	2037.354
49068_9068	49068	9068	-525.838	-21.2258	2.04015	-0.51398	14.39813	-2037.35
49068_9069	49068	9069	525.8379	32.08065	-2.04015	0.513975	-30.7267	1824.164
49069_9069	49069	9069	-525.822	-39.2747	5.965313	-1.46606	30.72668	-1824.17
49069_9070	49069	9070	525.8216	49.7889	-5.96531	1.466063	-76.9353	1479.154
49070_9070	49070	9070	-525.819	-49.7889	6.009938	-1.59364	76.93534	-1479.15
49070_9071	49070	9071	525.8187	60.31331	-6.00994	1.593638	-123.554	1052.094
49071_9071	49071	9071	-525.808	-60.3133	6.942863	-2.98699	123.5543	-1016.19
49071_9072	49071	9072	525.8077	73.20495	-6.94286	2.986988	-189.514	385.7768
49072_9072	49072	9072	21.49298	173.1741	-3.16654	5.262338	80.04045	2071.668
49072_9073	49072	9073	-19.6479	-156.218	3.166538	-5.26234	-40.2772	17.82807
49073_9073	49073	9073	15.54368	156.6786	-3.17205	4.17585	40.40243	-17.8299
49073_9074	49073	9074	-14.1566	-139.712	3.17205	-4.17585	-0.6258	1894.915
49074_9074	49074	9074	10.20941	130.7169	0.648375	4.668038	0.706125	-1894.93
49074_9075	49074	9075	-9.21769	-112.744	-0.64838	-4.66804	-9.29985	3595.401
49075_9075	49075	9075	6.477975	209.3025	2.8161	18.2574	28.16966	11880.11
49075_9076	49075	9076	-6.03173	-193.507	-2.8161	-18.2574	-61.2678	-9441.55
49076_9076	49076	9076	2.7153	178.4701	0.142275	-0.88489	61.71375	9441.883
49076_9077	49076	9077	-2.60662	-167.389	-0.14228	0.884888	-62.8814	-7741.1
49077_9077	49077	9077	1.17075	162.6269	0.142013	1.4868	62.87111	7740.684
49077_9078	49077	9078	-1.17075	-144.191	-0.14201	-1.4868	-64.8086	-5636.84
49078_9078	49078	9078	1.168125	135.5792	-1.197	-0.52815	64.80863	5636.843
49078_9079	49078	9079	-1.16813	-120.578	1.197	0.52815	-51.4495	-4207.7
49079_9079	49079	9079	1.166813	120.5778	-1.1991	3.449775	51.44948	4207.697
49079_9080	49079	9080	-1.16681	-105.566	1.1991	-3.44978	-38.0699	-2944.93
49080_9080	49080	9080	1.166813	96.4908	-0.33259	1.071788	38.06985	2944.923
49080_9081	49080	9081	-1.16681	-81.4792	0.332588	-1.07179	-34.3505	-1951.26
49081_9081	49081	9081	1.166813	81.47921	-0.33259	1.071788	34.35049	1951.261
49081_9082	49081	9082	-1.16681	-66.4679	0.332588	-1.07179	-30.6309	-1125.22
49082_9082	49082	9082	1.165238	57.29168	-0.45098	-0.10526	30.63086	1125.218
49082_9083	49082	9083	-1.16524	-41.1506	0.450975	0.105262	-25.22	-534.243
49083_9083	49083	9083	1.165238	41.15055	-0.45124	0.315788	25.21995	534.2431
49083_9084	49083	9084	-1.16524	-25.0252	0.451238	-0.31579	-19.8035	-137.317
49084_9084	49084	9084	1.165238	15.84083	0.0189	-0.81244	19.80353	137.3164
49084_9085	49084	9085	-1.16524	-0.83528	-0.0189	0.812438	-20.0185	-44.2294
49085_9085	49085	9085	1.163925	0.835275	0.01785	-0.7728	20.01851	44.23125
49085_9086	49085	9086	-1.16393	14.17185	-0.01785	0.7728	-20.2259	-118.682
49086_9086	49086	9086	1.163925	-22.9569	-1.09253	-1.50203	20.22589	118.6818

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49086_9087	49086	9087	-1.16393	37.97693	1.092525	1.502025	-8.00468	-459.091
49087_9087	49087	9087	1.163925	-37.9769	-1.09515	-1.11011	8.004675	459.0918
49087_9088	49087	9088	-1.16393	52.98248	1.09515	1.110113	4.217063	-966.758
49088_9088	49088	9088	1.163663	-61.5633	0.920588	-1.34426	-4.21706	966.7605
49088_9089	49088	9089	-1.16366	79.28498	-0.92059	1.344263	-7.92514	-2046.82
49089_9089	49089	9089	1.855088	-79.2726	0.9198	-0.25358	7.923563	2047.07
49089_9090	49089	9090	-1.96665	90.37166	-0.9198	0.253575	-15.525	-2803.63
49090_9090	49090	9090	3.9228	-106.458	-3.675	-1.95563	15.48225	2803.569
49090_9091	49090	9091	-4.37378	122.2415	3.675	1.955625	27.67223	-4017.71
49091_9091	49091	9091	11.05309	-120	-1.73434	-0.69536	-37.605	3680.052
49091_9092	49091	9092	-12.0278	137.666	1.734338	0.695363	60.62306	-5423.7
49092_9092	49092	9092	16.22408	-147.618	2.485875	-12.3131	-61.6198	5423.542
49092_9093	49092	9093	-17.5865	164.2854	-2.48588	12.31309	30.46313	-7417.76
49093_9093	49093	9093	21.88331	-163.766	2.473013	5.835375	-29.0023	7417.779
49093_9094	49093	9094	-23.6961	180.4323	-2.47301	-5.83538	-2.06719	-9434.72
49094_9094	49094	9094	-737.804	109.4546	-4.6032	-0.22418	55.07513	3363.027
49094_9095	49094	9095	737.8043	-96.794	4.6032	0.224175	-11.3463	-2383.63
49095_9095	49095	9095	-737.811	96.79399	-3.44873	3.6834	11.3463	2346.745
49095_9096	49095	9096	737.8106	-86.4536	3.448725	-3.6834	15.3993	-1636.16
49096_9096	49096	9096	-737.811	86.45359	-3.48469	3.6036	-15.3993	1636.166
49096_9097	49096	9097	737.8106	-76.1279	3.484688	-3.6036	42.3843	-1006.53
49097_9097	49097	9097	-737.823	68.57524	0.113925	-0.01969	-42.3843	1006.512
49097_9098	49097	9098	737.8235	-57.9007	-0.11393	0.019687	41.47316	-500.28
49098_9098	49098	9098	-737.823	57.90068	1.00275	0.582488	-41.4732	500.2799
49098_9099	49098	9099	737.8235	-47.2421	-1.00275	-0.58249	33.45431	-79.9746
49099_9099	49099	9099	-737.823	47.24213	1.03425	0.584588	-33.4543	79.97456
49099_9100	49099	9100	737.8235	-36.5689	-1.03425	-0.58459	25.1685	255.4742
49100_9100	49100	9100	-737.82	28.24133	0.290588	0.06825	-25.1685	-255.474
49100_9101	49100	9101	737.8203	-20.2361	-0.29059	-0.06825	23.42524	400.9955
49101_9101	49101	9101	-737.82	20.23613	0.248325	0.092663	-23.4252	-400.996
49101_9102	49101	9102	737.8203	-12.2483	-0.24833	-0.09266	21.93398	498.3418
49102_9102	49102	9102	-737.82	12.24825	0.290588	0.063	-21.934	-498.342
49102_9103	49102	9103	737.8203	-4.24305	-0.29059	-0.063	20.1936	547.8409
49103_9103	49103	9103	-737.819	4.24305	1.518563	-0.84814	-20.1936	-547.839
49103_9104	49103	9104	737.8187	3.759263	-1.51856	0.848138	11.07698	549.2904
49104_9104	49104	9104	-737.822	-12.0228	-0.57908	-0.33443	-11.077	-549.291
49104_9105	49104	9105	737.8221	22.68	0.579075	0.334425	15.71614	410.5894
49105_9105	49105	9105	-737.822	-22.68	0.3696	-0.86231	-15.7161	-410.589
49105_9106	49105	9106	737.8221	33.34879	-0.3696	0.862313	12.75645	186.3674
49106_9106	49106	9106	-737.821	-33.3488	0.342825	-0.85575	-12.7565	-186.367
49106_9107	49106	9107	737.8208	44.00734	-0.34283	0.85575	10.02041	-122.819
49107_9107	49107	9107	-737.811	-51.2789	3.631163	-2.90955	-10.0204	122.8303
49107_9108	49107	9108	737.8114	61.6161	-3.63116	2.90955	-18.138	-560.477
49108_9108	49108	9108	-737.811	-61.6161	3.631163	-2.90955	18.13796	560.4766
49108_9109	49108	9109	737.8114	71.95204	-3.63116	2.90955	-46.2963	-1078.26
49109_9109	49109	9109	-737.807	-71.952	4.381913	-1.5645	46.29634	1120.21
49109_9110	49109	9110	737.8074	84.62291	-4.38191	1.5645	-87.9488	-1882.87
49110_9110	49110	9110	14.42805	207.7732	-2.68328	-1.13899	37.57373	7669.203
49110_9111	49110	9111	-12.6139	-191.116	2.683275	1.138988	-3.87713	-5139.2
49111_9111	49111	9111	7.230825	186.6176	-2.67094	6.97935	3.2214	5139.199
49111_9112	49111	9112	-5.86845	-169.947	2.670938	-6.97935	30.28043	-2881.22
49112_9112	49112	9112	1.112213	159.747	1.022963	0.32025	-29.7195	2881.315
49112_9113	49112	9113	-0.13597	-142.089	-1.02296	-0.32025	16.15373	-877.079
49113_9113	49113	9113	-4.95889	239.8536	2.467238	14.72284	-22.3424	16470.36
49113_9114	49113	9114	5.408025	-224.201	-2.46724	-14.7228	-6.65175	-13660.7
49114_9114	49114	9114	-9.28358	209.0944	0.345975	-0.85234	7.0308	13661.08
49114_9115	49114	9115	9.39225	-198.107	-0.34598	0.852338	-9.87814	-12857.2
49115_9115	49115	9115	-11.1234	198.0143	0.345975	1.195688	9.870263	12857.78
49115_9116	49115	9116	11.12344	-179.754	-0.34598	-1.19569	-14.6281	-8993.43
49116_9116	49116	9116	-11.1219	169.8551	-0.47539	-5.39385	14.62808	8993.435
49116_9117	49116	9117	11.12186	-154.99	0.475388	5.39385	-9.31061	-7180.47
49117_9117	49117	9117	-11.1219	154.9897	-0.45675	7.579163	9.310613	7180.473
49117_9118	49117	9118	11.12186	-140.114	0.45675	-7.57916	-4.21339	-5532.08
49118_9118	49118	9118	-11.1219	131.3059	-0.25331	-2.79143	4.213388	5532.079

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49118_9119	49118	9119	11.12186	-116.443	0.253313	2.791425	-1.39099	-4149.44
49119_9119	49119	9119	-11.1219	116.4434	-0.23179	4.699013	1.390988	4149.444
49119_9120	49119	9120	11.12186	-101.565	0.231788	-4.69901	1.209075	-2931.73
49120_9120	49120	9120	-11.1219	92.51708	0.076388	-1.27103	-1.20908	2931.732
49120_9121	49120	9121	11.12186	-76.55	-0.07639	1.271025	0.286388	-1918.07
49121_9121	49121	9121	-11.1234	76.54999	0.093975	1.947488	-0.28639	1918.073
49121_9122	49121	9122	11.12344	-60.5672	-0.09398	-1.94749	-0.861	-1095.3
49122_9122	49122	9122	-11.1234	52.03616	-0.08085	-0.98464	0.861	1095.302
49122_9123	49122	9123	11.12344	-37.1608	0.08085	0.984637	0.041738	-597.096
49123_9123	49123	9123	-11.1234	37.16081	-0.05171	0.6195	-0.04174	597.0961
49123_9124	49123	9124	11.12344	-22.2852	0.051713	-0.6195	0.611887	-265.075
49124_9124	49124	9124	-11.1234	9.55815	-0.38194	-0.63761	-0.61189	265.0743
49124_9125	49124	9125	11.12344	5.304338	0.381938	0.637613	4.881188	-241.347
49125_9125	49125	9125	-11.1248	-5.30434	-0.36199	-0.20423	-4.88119	241.347
49125_9126	49125	9126	11.12475	20.18126	0.361988	0.204225	8.931563	-383.686
49126_9126	49126	9126	-11.1221	-27.1953	1.2138	-0.03203	-8.93156	383.6865
49126_9127	49126	9127	11.12213	45.02663	-1.2138	0.032025	-7.32165	-867.225
49127_9127	49127	9127	-10.7342	-45.1201	1.22955	0.79695	7.329	864.3015
49127_9128	49127	9128	10.62836	56.09336	-1.22955	-0.79695	-17.4623	-1281.32
49128_9128	49128	9128	-9.42349	-66.7976	-3.80835	1.397813	17.49431	1281.322
49128_9129	49128	9129	8.980388	82.44469	3.80835	-1.39781	27.27585	-2309.5
49129_9129	49129	9129	2.48955	-79.491	-0.46043	-0.07665	-18.2044	1819.69
49129_9130	49129	9130	-3.47366	97.3434	0.460425	0.07665	24.30225	-2988.62
49130_9130	49130	9130	8.26035	-128.124	1.613588	-2.75783	-24.5443	2988.606
49130_9131	49130	9131	-9.63532	144.9664	-1.61359	2.757825	4.319438	-4722.93
49131_9131	49131	9131	13.42504	-144.664	1.615688	1.009838	-4.01573	4722.936
49131_9132	49131	9132	-15.2568	161.5199	-1.61569	-1.00984	-16.2868	-6705.85
49132_9132	49132	9132	-591.626	114.225	0.874387	3.747975	-3.87056	2919.538
49132_9133	49132	9133	591.6259	-101.424	-0.87439	-3.74798	-4.4226	-1810.17
49133_9133	49133	9133	-591.627	101.4245	0.109987	1.388363	4.4226	1684.192
49133_9134	49133	9134	591.6267	-90.9828	-0.10999	-1.38836	-5.27389	-938.614
49134_9134	49134	9134	-591.626	90.98276	0.874387	2.599013	5.273888	938.6121
49134_9135	49134	9135	591.6259	-80.5397	-0.87439	-2.59901	-12.0372	-273.965
49135_9135	49135	9135	-591.627	72.15836	-0.00656	0.875438	12.0372	273.966
49135_9136	49135	9136	591.6272	-61.3791	0.006562	-0.87544	-11.9847	260.1848
49136_9136	49136	9136	-591.627	61.37906	0.732375	0.5481	11.9847	-260.186
49136_9137	49136	9137	591.627	-50.6011	-0.73238	-0.5481	-17.8458	708.1027
49137_9137	49137	9137	-591.627	50.60108	0.732375	0.5481	17.8458	-708.103
49137_9138	49137	9138	591.627	-39.8218	-0.73238	-0.5481	-23.7095	1069.786
49138_9138	49138	9138	-591.626	30.7713	-1.12508	0.97545	23.70953	-1069.78
49138_9139	49138	9139	591.6257	-22.6881	1.125075	-0.97545	-16.9494	1230.162
49139_9139	49139	9139	-591.629	22.68814	-0.14018	-1.07494	16.94936	-1230.16
49139_9140	49139	9140	591.6285	-14.6037	0.140175	1.074938	-16.1081	1342.03
49140_9140	49140	9140	-591.629	14.60366	-0.14018	-1.07494	16.10805	-1342.03
49140_9141	49140	9141	591.6285	-6.51788	0.140175	1.074938	-15.2641	1405.397
49141_9141	49141	9141	-591.626	6.517875	-1.12508	1.2663	15.26411	-1405.4
49141_9142	49141	9142	591.6257	1.5666	1.125075	-1.2663	-8.50658	1420.252
49142_9142	49142	9142	-591.629	-14.9806	-0.20291	-1.1235	8.506575	-1420.25
49142_9143	49142	9143	591.6285	25.75991	0.202913	1.1235	-6.8901	1257.301
49143_9143	49143	9143	-591.626	-25.7599	-0.94185	0.449663	6.8901	-1257.3
49143_9144	49143	9144	591.6257	36.53921	0.94185	-0.44966	0.641288	1008.116
49144_9144	49144	9144	-591.629	-36.5392	-0.20291	-0.81034	-0.64129	-1008.12
49144_9145	49144	9145	591.6285	47.3172	0.202913	0.810338	2.257763	672.6967
49145_9145	49145	9145	-591.625	-54.7971	2.8182	-2.8833	-2.25776	-672.695
49145_9146	49145	9146	591.6246	65.23886	-2.8182	2.8833	-19.583	207.5538
49146_9146	49146	9146	-591.627	-65.2389	2.0538	-2.61765	19.58303	-207.559
49146_9147	49146	9147	591.6275	75.6819	-2.0538	2.61765	-35.5047	-338.512
49147_9147	49147	9147	-591.625	-75.6819	2.8182	-1.61989	35.5047	456.2439
49147_9148	49147	9148	591.6246	88.48245	-2.8182	1.619888	-62.2726	-1236.02
49148_9148	49148	9148	-21.0399	171.0138	-2.79641	2.9274	15.97234	4394.254
49148_9149	49148	9149	22.86716	-154.171	2.796413	-2.9274	19.14885	-2351.29
49149_9149	49149	9149	-26.9028	153.5184	-2.79641	3.427988	-19.0646	2351.285
49149_9150	49149	9150	28.27624	-136.677	2.796413	-3.42799	54.10493	-532.386
49150_9150	49150	9150	-32.1901	126.1885	1.89105	2.845238	-53.9041	532.3826

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49150_9151	49150	9151	33.17108	-108.336	-1.89105	-2.84524	28.81751	1023.324
49151_9151	49151	9151	-27.2711	212.0533	0.374063	-4.48849	-46.5888	13784.59
49151_9152	49151	9152	27.72499	-195.981	-0.37406	4.488488	42.18323	-11386.7
49152_9152	49152	9152	-31.0057	182.8079	2.092125	4.80165	-42.3237	11386.66
49152_9153	49152	9153	31.11596	-171.522	-2.09213	-4.80165	25.06429	-9924.99
49153_9153	49153	9153	-32.5791	171.2516	2.0685	-2.41238	-25.0241	9921.705
49153_9154	49153	9154	32.57914	-152.443	-2.0685	2.412375	-3.41276	-7696.3
49154_9154	49154	9154	-32.5791	143.4024	-0.22286	-2.43863	3.412763	7696.301
49154_9155	49154	9155	32.57914	-128.356	0.222863	2.438625	-0.96758	-6201.62
49155_9155	49155	9155	-32.5791	128.3557	-0.19215	3.19935	0.967575	6201.616
49155_9156	49155	9156	32.57914	-113.31	0.19215	-3.19935	1.153425	-4872.45
49156_9156	49156	9156	-32.5791	105.2919	-0.22418	-2.00156	-1.15343	4872.448
49156_9157	49156	9157	32.57914	-91.613	0.224175	2.001563	3.394125	-3887.92
49157_9157	49157	9157	-32.5791	91.61303	-0.19294	1.885275	-3.39413	3887.915
49157_9158	49157	9158	32.57914	-77.9342	0.192938	-1.88528	5.309063	-3040.17
49158_9158	49158	9158	-32.5791	70.35893	0.240188	-1.43666	-5.30906	3040.173
49158_9159	49158	9159	32.57914	-56.6787	-0.24019	1.436663	2.923988	-2404.99
49159_9159	49159	9159	-32.5791	56.67874	0.271425	0.968888	-2.92399	2404.988
49159_9160	49159	9160	32.57914	-42.9999	-0.27143	-0.96889	0.210525	-1906.59
49160_9160	49160	9160	-32.5791	35.13038	-0.33863	-0.58275	-0.21052	1906.591
49160_9161	49160	9161	32.57914	-20.0981	0.338625	0.58275	3.926475	-1603.12
49161_9161	49161	9161	-32.5791	15.32055	-0.33731	-0.5817	-3.92648	1603.115
49161_9162	49161	9162	32.57914	-0.27379	0.337313	0.5817	7.64295	-1517.35
49162_9162	49162	9162	-32.5807	-6.95782	0.5817	0.704287	-7.64295	1517.354
49162_9163	49162	9163	32.58071	25.76595	-0.5817	-0.70429	-0.35857	-1742.32
49163_9163	49163	9163	-32.3618	-26.039	0.5418	-1.37235	0.345975	1744.635
49163_9164	49163	9164	32.25311	37.32435	-0.5418	1.37235	-4.81976	-2006.03
49164_9164	49164	9164	-31.3842	-48.4066	-2.20185	2.9169	4.90455	2006.03
49164_9165	49164	9165	30.93326	64.47893	2.20185	-2.9169	20.97743	-2669.43
49165_9165	49165	9165	-22.229	-62.6028	-0.38561	-2.793	-32.3303	2186.023
49165_9166	49165	9166	21.22575	80.9781	0.385613	2.793	37.44353	-3138.44
49166_9166	49166	9166	-18.5412	-90.0918	1.706513	-4.11705	-37.6709	3138.439
49166_9167	49166	9167	17.13469	107.426	-1.70651	4.11705	16.27894	-4376.41
49167_9167	49167	9167	-14.3094	-107.838	1.726725	-0.20633	-16.0288	4376.412
49167_9168	49167	9168	12.43515	125.1739	-1.72673	0.206325	-5.66633	-5840.24
49168_9168	49168	9168	-523.997	121.7667	-0.75889	2.560163	13.92431	3052.553
49168_9169	49168	9169	523.9973	-108.593	0.758888	-2.56016	-6.71528	-1958.35
49169_9169	49169	9169	-523.999	108.5928	-0.20816	4.662525	6.715275	1849.221
49169_9170	49169	9170	523.9986	-97.8456	0.208163	-4.66253	-5.1093	-1049.28
49170_9170	49170	9170	-523.997	97.84556	-0.88279	3.3096	5.1093	1049.282
49170_9171	49170	9171	523.997	-87.097	0.882788	-3.3096	1.736175	-332.632
49171_9171	49171	9171	-523.999	78.45731	0.412388	1.075725	-1.73618	332.6271
49171_9172	49171	9172	523.9986	-67.363	-0.41239	-1.07573	-1.56266	250.6589
49172_9172	49172	9172	-523.999	67.36301	-0.24229	1.390988	1.562663	-250.657
49172_9173	49172	9173	523.9986	-56.2687	0.242288	-1.39099	0.379312	745.1887
49173_9173	49173	9173	-523.999	56.26871	0.412388	0.458588	-0.37931	-745.193
49173_9174	49173	9174	523.9986	-45.1744	-0.41239	-0.45859	-2.92084	1150.969
49174_9174	49174	9174	-523.999	35.76615	0.4725	-0.57855	2.920837	-1150.97
49174_9175	49174	9175	523.9986	-27.4454	-0.4725	0.57855	-5.76056	1340.604
49175_9175	49175	9175	-523.999	27.44543	-0.39979	1.656113	5.760563	-1340.6
49175_9176	49175	9176	523.9986	-19.1247	0.399788	-1.65611	-3.3579	1480.311
49176_9176	49176	9176	-523.999	19.1247	0.4725	-0.81008	3.3579	-1480.31
49176_9177	49176	9177	523.9986	-10.804	-0.4725	0.810075	-6.19763	1570.095
49177_9177	49177	9177	-523.999	10.80398	0.4725	-0.81008	6.197625	-1570.1
49177_9178	49177	9178	523.9986	-2.48325	-0.4725	0.810075	-9.03735	1609.955
49178_9178	49178	9178	-523.999	-6.96334	0.115238	-0.45465	9.03735	-1609.96
49178_9179	49178	9179	523.9986	18.05764	-0.11524	0.45465	-9.95794	1509.88
49179_9179	49179	9179	-523.999	-18.0576	0.769913	-2.3415	9.957938	-1509.88
49179_9180	49179	9180	523.9986	29.15063	-0.76991	2.3415	-16.1209	1321.048
49180_9180	49180	9180	-523.999	-29.1506	0.115238	-0.69143	16.12091	-1321.05
49180_9181	49180	9181	523.9986	40.24624	-0.11524	0.691425	-17.0402	1043.464
49181_9181	49181	9181	-523.999	-48.2024	1.688925	-3.53771	17.04019	-1043.46
49181_9182	49181	9182	523.9986	58.94831	-1.68893	3.537713	-30.1214	628.2515
49182_9182	49182	9182	-523.999	-63.7258	1.688925	-3.53771	30.12135	-628.251

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49182_9183	49182	9183	523.9986	74.4744	-1.68893	3.537713	-43.2041	92.72183
49183_9183	49183	9183	-524	-74.4744	1.135313	-3.23033	43.20409	4.3302
49183_9184	49183	9184	523.9999	87.64823	-1.13531	3.230325	-53.9989	-789.905
49184_9184	49184	9184	-10.3044	161.9357	-2.85679	2.93055	37.4136	3187.997
49184_9185	49184	9185	12.17711	-144.602	2.856788	-2.93055	-1.52722	-1235.82
49185_9185	49185	9185	-15.9637	144.2317	-2.83526	3.846413	1.531425	1235.818
49185_9186	49185	9186	17.36831	-126.897	2.835263	-3.84641	34.00241	519.463
49186_9186	49186	9186	-21.0223	116.6366	0.560175	2.762025	-33.7998	-519.459
49186_9187	49186	9187	22.02533	-98.2627	-0.56018	-2.76203	26.37075	2078.956
49187_9187	49187	9187	-38.2772	211.6661	2.253825	-1.89289	-18.8373	14169.92
49187_9188	49187	9188	38.73765	-195.168	-2.25383	1.892888	-7.64426	-11587.8
49188_9188	49188	9188	-41.9751	180.7654	-0.74419	3.713325	7.564462	11587.78
49188_9189	49188	9189	42.08689	-169.182	0.744188	-3.71333	-1.4133	-9285.84
49189_9189	49189	9189	-43.5094	168.8206	-0.77674	-2.92189	1.446375	9278.654
49189_9190	49189	9190	43.50938	-149.515	0.776738	2.921888	9.240525	-7090.09
49190_9190	49190	9190	-43.5091	140.6801	0.306338	3.116138	-9.24053	7090.087
49190_9191	49190	9191	43.50911	-125.235	-0.30634	-3.11614	5.870813	-5627.56
49191_9191	49191	9191	-43.5091	125.2348	0.2667	-1.99999	-5.87081	5627.564
49191_9192	49191	9192	43.50911	-109.79	-0.2667	1.999988	2.9358	-4334.94
49192_9192	49192	9192	-43.5091	101.2224	-0.41055	-1.96665	-2.9358	4334.938
49192_9193	49192	9193	43.50911	-87.2511	0.41055	1.96665	7.022138	-3397.29
49193_9193	49193	9193	-43.5091	87.25106	-0.36724	1.447688	-7.02214	3397.286
49193_9194	49193	9194	43.50911	-73.2795	0.367238	-1.44769	10.67351	-2598.64
49194_9194	49194	9194	-43.5075	64.9551	-0.91481	-1.35371	-10.6735	2598.645
49194_9195	49194	9195	43.50754	-50.9851	0.914813	1.353713	19.7841	-2021.83
49195_9195	49195	9195	-43.5075	50.98511	-0.8715	0.677775	-19.7841	2021.833
49195_9196	49195	9196	43.50754	-37.0298	0.8715	-0.67778	28.44975	-1584.4
49196_9196	49196	9196	-43.5099	28.02056	-0.54416	-1.53431	-28.4498	1584.396
49196_9197	49196	9197	43.5099	-12.5753	0.544163	1.534313	34.43475	-1361.12
49197_9197	49197	9197	-43.5115	12.57533	-0.50453	-0.29741	-34.4348	1361.117
49197_9198	49197	9198	43.51148	2.869913	0.504525	0.297413	39.98636	-1307.73
49198_9198	49198	9198	-43.5204	-16.0668	0.83475	-0.38483	-39.9864	1307.74
49198_9199	49198	9199	43.5204	35.38579	-0.83475	0.384825	28.48676	-1711.58
49199_9199	49199	9199	-43.2235	-35.7496	0.865988	1.268663	-28.4771	1722.249
49199_9200	49199	9200	43.11038	47.33269	-0.86599	-1.26866	21.32051	-2075.26
49200_9200	49200	9200	-42.0181	-60.159	-5.4096	3.002213	-21.2628	2075.283
49200_9201	49200	9201	41.55244	76.65814	5.4096	-3.00221	84.84079	-2903.45
49201_9201	49201	9201	-32.1896	-73.0582	-1.87268	-3.14344	-100.219	2194.047
49201_9202	49201	9202	31.15796	91.95349	1.872675	3.143438	125.0555	-3289.18
49202_9202	49202	9202	-28.1867	-102.383	4.1538	-3.42169	-125.348	3289.161
49202_9203	49202	9203	26.7456	120.2114	-4.1538	3.421688	73.26716	-4665.93
49203_9203	49203	9203	-23.6334	-120.863	4.125713	-5.2059	-73.7	4665.918
49203_9204	49203	9204	21.71348	138.689	-4.12571	5.2059	21.86153	-6312.57
49204_9204	49204	9204	-591.062	122.9988	-3.39071	5.6763	11.78993	3293.949
49204_9205	49204	9205	591.0623	-109.45	3.390713	-5.6763	20.41804	-2157.21
49205_9205	49205	9205	-591.065	109.4502	-2.76833	8.696625	-20.418	1997.181
49205_9206	49205	9206	591.0652	-98.3976	2.768325	-8.69663	41.86954	-1191.78
49206_9206	49206	9206	-591.065	98.3976	-2.76833	8.696625	-41.8695	1191.776
49206_9207	49206	9207	591.0652	-87.3448	2.768325	-8.69663	63.32235	-472.026
49207_9207	49207	9207	-591.08	78.71141	-0.45071	3.7044	-63.3224	472.0083
49207_9208	49207	9208	591.0797	-67.3008	0.450713	-3.7044	66.93278	112.0347
49208_9208	49208	9208	-591.081	67.3008	0.288225	3.564488	-66.9328	-112.039
49208_9209	49208	9209	591.0815	-55.8915	-0.28823	-3.56449	64.63039	604.8081
49209_9209	49209	9209	-591.079	55.8915	1.027163	2.808488	-64.6304	-604.811
49209_9210	49209	9210	591.0789	-44.4822	-1.02716	-2.80849	56.41781	1006.306
49210_9210	49210	9210	-591.071	34.48725	0.147262	4.821338	-56.4178	-1006.3
49210_9211	49210	9211	591.0713	-25.9303	-0.14726	-4.82134	55.5345	1187.562
49211_9211	49211	9211	-591.072	25.93028	1.1319	2.841563	-55.5345	-1187.57
49211_9212	49211	9212	591.0715	-17.3746	-1.1319	-2.84156	48.73995	1317.486
49212_9212	49212	9212	-591.069	17.37461	2.118113	0.646538	-48.74	-1317.49
49212_9213	49212	9213	591.0686	-8.81633	-2.11811	-0.64654	36.03233	1396.065
49213_9213	49213	9213	-591.063	8.816325	3.103013	-1.68079	-36.0323	-1396.06
49213_9214	49213	9214	591.0629	-0.26066	-3.10301	1.680788	17.4174	1423.294
49214_9214	49214	9214	-591.08	-9.63244	-0.29138	2.632613	-17.4174	-1423.32

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49214_9215	49214	9215	591.0799	21.0273	0.291375	-2.63261	19.74131	1300.828
49215_9215	49215	9215	-591.08	-21.0273	1.178363	-0.60218	-19.7413	-1300.83
49215_9216	49215	9216	591.0797	32.43949	-1.17836	0.602175	10.30601	1086.948
49216_9216	49216	9216	-591.075	-32.4395	2.656238	-3.31958	-10.306	-1086.94
49216_9217	49216	9217	591.0747	43.84879	-2.65624	3.319575	-10.9497	781.7583
49217_9217	49217	9217	-591.033	-51.7382	6.971738	-5.97791	10.94966	-781.738
49217_9218	49217	9218	591.0327	62.79394	-6.97174	5.977913	-64.9987	337.869
49218_9218	49218	9218	-591.001	-62.7939	9.260475	-7.28411	64.99868	-337.844
49218_9219	49218	9219	591.0006	73.84676	-9.26048	7.284113	-136.778	-191.75
49219_9219	49219	9219	-590.997	-78.6243	9.499875	-4.90901	136.7783	334.5568
49219_9220	49219	9220	590.9972	92.17714	-9.49988	4.909013	-227.057	-1146.05
49220_9220	49220	9220	-14.5766	163.1151	-4.77986	6.673275	52.13801	3765.462
49220_9221	49220	9221	16.49314	-145.295	4.779863	-6.67328	7.867388	-1829.19
49221_9221	49221	9221	-20.2542	144.8223	-4.68116	12.66983	-8.12096	1829.156
49221_9222	49221	9222	21.69379	-126.988	4.681163	-12.6698	66.81334	-126.24
49222_9222	49222	9222	-25.1955	114.6015	3.4503	0.493763	-65.8004	126.5585
49222_9223	49222	9223	26.22401	-95.7093	-3.4503	-0.49376	20.04319	1282.03
49223_9223	49223	9223	-21.6563	216.5651	8.043788	46.01809	32.23736	14100.16
49223_9224	49223	9224	22.13453	-199.461	-8.04379	-46.0181	-126.776	-11861.6
49224_9224	49224	9224	-25.798	179.3644	-3.09986	-17.6453	127.9992	11864.38
49224_9225	49224	9225	25.91138	-167.344	3.099863	17.64525	-102.416	-10087.5
49225_9225	49225	9225	-27.3126	167.123	-3.00746	15.42109	102.2661	10087.57
49225_9226	49225	9226	27.3126	-146.034	3.007463	-15.4211	-58.7178	-7819.87
49226_9226	49226	9226	-27.2535	132.5334	0.545213	-6.87566	58.71784	7820.777
49226_9227	49226	9227	27.25354	-115.974	-0.54521	6.875663	-64.9063	-6407.79
49227_9227	49227	9227	-27.252	115.9743	0.61635	10.0107	64.90628	6407.781
49227_9228	49227	9228	27.25196	-99.4122	-0.61635	-10.0107	-71.9114	-5182.95
49228_9228	49228	9228	-27.2677	88.3029	-1.68656	-5.1723	71.91135	5183.171
49228_9229	49228	9229	27.26771	-71.7539	1.686563	5.1723	-52.7349	-4273.58
49229_9229	49229	9229	-27.2732	71.75385	-1.61674	6.091838	52.73494	4273.578
49229_9230	49229	9230	27.27323	-55.2006	1.616738	-6.09184	-34.371	-3552
49230_9230	49230	9230	-27.3347	43.6422	9.58335	-6.97541	34.37096	3551.827
49230_9231	49230	9231	27.33465	-26.1096	-9.58335	6.975413	-149.752	-3131.89
49231_9231	49231	9231	-27.3118	26.10956	9.64635	0.250688	149.7521	3131.899
49231_9232	49231	9232	27.31181	-13.0381	-9.64635	-0.25069	-236.337	-3044.87
49232_9232	49232	9232	-27.3268	12.9297	9.748725	10.60658	236.382	3045.478
49232_9233	49232	9233	27.30656	-8.44935	-9.74873	-10.6066	-266.371	-3011.6
49233_9233	49233	9233	-27.0084	-7.24789	-27.7268	-13.4626	266.165	3011.505
49233_9234	49233	9234	26.78445	21.12364	27.72683	13.46258	-1.9068	-3150.77
49234_9234	49234	9234	-26.57	-21.488	-27.6541	-5.42588	1.947487	3150.793
49234_9235	49234	9235	26.22953	32.24314	27.65411	5.425875	202.4122	-3355.28
49235_9235	49235	9235	-25.8261	-32.6369	-27.573	-3.71175	-202.526	3366.551
49235_9236	49235	9236	25.40186	41.70285	27.573	3.71175	374.3381	-3535.11
49236_9236	49236	9236	-24.9572	-50.406	30.43556	-7.73378	-374.901	3534.99
49236_9237	49236	9237	24.05786	64.7409	-30.4356	7.733775	74.77759	-4108.41
49237_9237	49237	9237	-31.7486	-43.4923	31.34775	4.230975	-209.947	580.2255
49237_9238	49237	9238	30.60199	57.43946	-31.3478	-4.23098	-83.5716	-1057.47
49238_9238	49238	9238	-26.879	-74.7941	-3.04579	-14.3375	82.02968	1056.868
49238_9239	49238	9239	25.52576	88.14278	3.045788	14.33749	-54.6963	-1795.46
49239_9239	49239	9239	-24.3737	-88.4727	-2.97701	-11.4597	54.88928	1795.48
49239_9240	49239	9240	23.70375	94.31546	2.977013	11.4597	-43.1763	-2137.32
49240_9240	49240	9240	-395.898	139.497	-4.07899	28.75871	66.40909	1842.823
49240_9241	49240	9241	395.898	-130.041	4.078988	-28.7587	-40.5775	-989.548
49241_9241	49241	9241	-396.028	112.4608	-1.30725	0.9009	40.57751	988.2149
49241_9242	49241	9242	396.0277	-107.74	1.30725	-0.9009	-36.4476	-640.223
49242_9242	49242	9242	-396.029	107.7397	-0.54101	2.165625	36.4476	618.6936
49242_9243	49242	9243	396.0288	-89.2844	0.541013	-2.16563	-29.7588	598.3018
49243_9243	49243	9243	-396.03	89.28439	0.506362	0.581438	29.75884	-598.303
49243_9244	49243	9244	396.0303	-75.8628	-0.50636	-0.58144	-34.3116	1340.135
49244_9244	49244	9244	-395.625	65.56384	-8.53519	11.67626	34.31164	-1339.53
49244_9245	49244	9245	395.6248	-49.9488	8.535188	-11.6763	54.91054	1943.232
49245_9245	49245	9245	-395.648	49.94876	-7.43741	6.276638	-54.9105	-1943.26
49245_9246	49245	9246	395.6481	-36.2513	7.437413	-6.27664	123.102	2338.467
49246_9246	49246	9246	-395.878	29.31574	0.023625	8.932613	-123.102	-2338.14

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49246_9247	49246	9247	395.8778	-13.5563	-0.02363	-8.93261	122.8387	2564.261
49247_9247	49247	9247	-395.877	13.55629	1.344788	0.381937	-122.839	-2564.28
49247_9248	49247	9248	395.8765	0.014437	-1.34479	-0.38194	110.6193	2625.79
49248_9248	49248	9248	-395.879	-8.61341	2.4318	3.136613	-110.619	-2625.56
49248_9249	49248	9249	395.8786	22.7871	-2.4318	-3.13661	87.5574	2476.58
49249_9249	49249	9249	-395.872	-22.7871	3.3978	-2.92005	-87.5574	-2476.58
49249_9250	49249	9250	395.8723	37.92889	-3.3978	2.92005	53.11346	2168.913
49250_9250	49250	9250	-395.959	-45.2125	9.8805	-4.2777	-53.1135	-2168.75
49250_9251	49250	9251	395.9592	59.96734	-9.8805	4.2777	-44.4859	1649.322
49251_9251	49251	9251	-395.934	-59.9673	10.85096	-8.31731	44.48588	-1649.31
49251_9252	49251	9252	395.9337	74.53084	-10.851	8.317313	-150.277	993.7066
49252_9252	49252	9252	-395.597	-88.7505	-8.1144	-43.0077	150.2768	-994.265
49252_9253	49252	9253	395.5967	93.47021	8.1144	43.00774	-124.638	706.4096
49253_9253	49253	9253	-395.611	-93.4702	-7.37809	-44.4512	124.6379	-699.244
49253_9254	49253	9254	395.6109	107.6615	7.378088	44.45123	-54.5268	-258.735
49254_9254	49254	9254	-17.3665	133.1193	-20.4674	50.03513	-0.74655	225.3292
49254_9255	49254	9255	19.24283	-115.431	20.46739	-50.0351	244.2733	1268.115
49255_9255	49255	9255	-24.3789	85.6212	11.95819	5.2689	-239.269	-1268.7
49255_9256	49255	9256	25.69166	-69.7331	-11.9582	-5.2689	111.7216	2126.407
49256_9256	49256	9256	-27.0882	69.18214	12.06581	0.22365	-111.183	-2126.44
49256_9257	49256	9257	28.08435	-52.7756	-12.0658	-0.22365	-21.5492	2838.194
49257_9257	49257	9257	-29.2499	40.78646	-0.97335	17.19585	20.84381	-2838.13
49257_9258	49257	9258	29.57483	-33.6181	0.97335	-17.1959	-16.1624	3022.121
49258_9258	49258	9258	-30.1077	33.14378	-0.92269	12.4215	16.54721	-3035.09
49258_9259	49258	9259	30.54371	-18.0529	0.922688	-12.4215	-7.22111	3365.622
49259_9259	49259	9259	-30.7836	17.64473	-0.8421	3.842213	7.486763	-3365.64
49259_9260	49259	9260	30.91883	-7.59649	0.8421	-3.84221	-1.82831	3454.789
49260_9260	49260	9260	70.33294	-63.5631	-1.38233	-41.595	79.4598	9947.724
49260_9261	49260	9261	-70.3114	68.40934	1.382325	41.59496	-75.0845	-9682.98
49261_9261	49261	9261	70.57706	-68.1277	-1.60493	-11.3182	74.9175	9676.07
49261_9262	49261	9262	-70.5771	85.6653	1.604925	11.31821	-56.5139	-10557.4
49262_9262	49262	9262	70.57155	-85.6653	-1.82805	21.97703	56.51389	10557.38
49262_9263	49262	9263	-70.5716	100.7677	1.82805	-21.977	-38.4644	-11477.6
49263_9263	49263	9263	70.5684	-118.291	-1.73565	-17.2111	38.46439	11478.44
49263_9264	49263	9264	-70.5684	136.2622	1.73565	17.21108	-18.0713	-12973.3
49264_9264	49264	9264	70.56446	-136.262	-1.86401	6.220463	18.07129	12973.32
49264_9265	49264	9265	-70.5645	153.5733	1.864013	-6.22046	3.0177	-14612.9
49265_9265	49265	9265	70.57496	-168.767	-1.16183	-22.7937	-3.0177	14614.56
49265_9266	49265	9266	-70.575	186.7709	1.161825	22.79366	16.69395	-16706.2
49266_9266	49266	9266	70.57234	-186.771	-1.28284	5.668425	-16.694	16706.26
49266_9267	49266	9267	-70.5723	204.0512	1.282838	-5.66843	31.17949	-18913.3
49267_9267	49267	9267	70.5012	-221.351	-4.18793	-36.4563	-31.1795	18916.42
49267_9268	49267	9268	-70.5012	231.5859	4.187925	36.45626	59.18745	-20431.1
49268_9268	49268	9268	70.49674	-231.586	-4.22888	-24.9708	-59.1875	20431.1
49268_9269	49268	9269	-70.4967	241.8798	4.228875	24.97084	87.6372	-23565.8
49269_9269	49269	9269	72.75398	-241.209	-4.33886	10.62836	-87.5419	23562.86
49269_9270	49269	9270	-72.9099	255.9538	4.338863	-10.6284	129.3563	-25393.5
49270_9270	49270	9270	77.53253	-272.352	-6.48533	-57.0806	-130.977	25399.1
49270_9271	49270	9271	-77.9974	288.2203	6.485325	57.08063	198.2447	-28423.6
49271_9271	49271	9271	83.0802	-286.795	-6.60581	-7.03736	-197.192	28407.7
49271_9272	49271	9272	-83.6782	299.26	6.605813	7.037363	251.0666	-30595.5
49272_9272	49272	9272	87.26209	-298.229	-6.77381	65.85128	-247.232	30595.47
49272_9273	49272	9273	-87.7417	306.1081	6.773813	-65.8513	282.1626	-32200.5
49273_9273	49273	9273	94.64096	-326.524	5.875538	-83.548	-292.172	32205.96
49273_9274	49273	9274	-96.065	344.7213	-5.87554	83.54798	222.1275	-36327.8
49274_9274	49274	9274	105.1423	-346.963	5.6091	53.33501	-211.354	36327.97
49274_9275	49274	9275	-107.226	366.9406	-5.6091	-53.335	137.77	-40751.6
49275_9275	49275	9275	2135.95	452.6424	-28.9091	-12.1622	533.5378	18955.07
49275_9276	49275	9276	-2135.947	-445.17	28.90913	12.16215	-392.382	-16391.5
49276_9276	49276	9276	2135.98	445.1703	-26.4471	6.732338	392.3819	16391.49
49276_9277	49276	9277	-2135.98	-438.102	26.44714	-6.73234	-270.201	-14351.2
49277_9277	49277	9277	2136.02	438.102	-22.9596	32.33213	270.2012	14149.88
49277_9278	49277	9278	-2136.02	-424.008	22.95956	-32.3321	-58.7105	-10179.1
49278_9278	49278	9278	983.375	126.6421	-6.82579	-0.27458	-54.8523	3016.678

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49278_9279	49278	9279	983.3746	-109.126	6.825788	0.274575	132.0438	-1683.62
49279_9279	49279	9279	-983.394	109.1257	-2.61503	6.934725	-132.044	1683.605
49279_9280	49279	9280	983.394	-91.0762	2.615025	-6.93473	162.5164	-517.175
49280_9280	49280	9280	-983.767	72.70935	-13.0652	3.258938	-162.516	517.2956
49280_9281	49280	9281	983.7668	-54.5722	13.06515	-3.25894	315.4901	227.876
49281_9281	49281	9281	-983.811	54.57218	-9.10481	2.341763	-315.49	-227.888
49281_9282	49281	9282	983.8106	-36.0733	9.104813	-2.34176	424.21	769.131
49282_9282	49282	9282	-983.348	26.6112	10.96384	4.614488	-424.21	-452.386
49282_9283	49282	9283	983.3484	-10.0887	-10.9638	-4.61449	288.1982	680.0538
49283_9283	49283	9283	-983.285	10.08866	15.66784	1.359488	-288.198	-680.068
49283_9284	49283	9284	983.2846	4.87095	-15.6678	-1.35949	112.1568	709.3821
49284_9284	49284	9284	-983.33	-26.0206	14.55353	1.855613	-112.157	-709.426
49284_9285	49284	9285	983.33	39.50809	-14.5535	-1.85561	-35.2343	377.6076
49285_9285	49285	9285	-983.282	-39.5081	17.46308	0.738938	35.23433	-377.612
49285_9286	49285	9286	983.2817	51.99679	-17.4631	-0.73894	-199.007	-51.4647
49286_9286	49286	9286	-983.301	-71.8137	-16.6695	-33.8538	199.007	51.55657
49286_9287	49286	9287	983.3006	77.17211	16.66954	33.85384	-131.922	-351.35
49287_9287	49287	9287	-983.291	-77.1721	-17.2302	-34.992	131.9217	404.7792
49287_9288	49287	9288	983.2914	89.82146	17.23024	34.99204	31.73573	-1221.8
49288_9288	49288	9288	-3.20565	336.4814	-31.8197	58.44746	-194.758	7689.059
49288_9289	49288	9289	4.65675	-322.288	31.81973	-58.4475	535.5129	-4091.01
49289_9289	49289	9289	-15.3794	268.2577	23.29373	-3.93304	-528.406	4093.501
49289_9290	49289	9290	16.55745	-252.46	-23.2937	3.933038	251.3695	-944.203
49290_9290	49290	9290	-23.3134	251.9181	23.38061	5.185425	-251.484	944.1633
49290_9291	49290	9291	24.02348	-236.491	-23.3806	-5.18543	-19.6064	2010.607
49291_9291	49291	9291	-29.3423	212.887	-3.55609	14.74384	19.4334	-2011.05
49291_9292	49291	9292	29.49739	-207.366	3.556088	-14.7438	-4.67749	3177.069
49292_9292	49292	9292	-32.629	206.8975	-3.46474	7.999425	4.974375	-3184.48
49292_9293	49292	9293	32.75816	-196.228	3.464738	-7.99943	22.7871	4408.275
49293_9293	49293	9293	-34.8771	195.8657	-3.39465	-0.74261	-22.6986	-4408.28
49293_9294	49293	9294	34.87838	-185.233	3.39465	0.742613	49.79651	5929.653
49294_9294	49294	9294	-34.8582	163.8047	-0.95681	35.08785	-49.7978	-5930.67
49294_9295	49294	9295	34.85816	-158.468	0.956813	-35.0879	53.6319	6576.474
49295_9295	49295	9295	-34.8605	158.4681	-0.84105	12.74411	-53.6319	-6567.16
49295_9296	49295	9296	34.86053	-144.903	0.84105	-12.7441	62.18809	8112.242
49296_9296	49296	9296	-34.8613	144.9026	-0.75889	-6.17846	-62.1881	-8112.25
49296_9297	49296	9297	34.86131	-133.9	0.758888	6.178463	68.45501	9263.999
49297_9297	49297	9297	-47.9094	72.53873	5.606213	37.43014	-189.657	-16991.1
49297_9298	49297	9298	47.9094	-57.0898	-5.60621	-37.4301	125.2251	17735.95
49298_9298	49298	9298	-47.8913	57.08981	5.769488	-22.901	-125.225	-17736
49298_9299	49298	9299	47.89129	-42.7332	-5.76949	22.90103	63.61241	18269
49299_9299	49299	9299	-47.9787	24.77186	1.411463	41.35268	-63.6124	-18271.7
49299_9300	49299	9300	47.9787	-10.253	-1.41146	-41.3527	48.38164	18460.82
49300_9300	49300	9300	-47.9729	10.25299	1.564763	-18.2834	-48.3816	-18460.9
49300_9301	49300	9301	47.97293	6.963075	-1.56476	18.28339	28.33924	18481.92
49301_9301	49301	9301	-47.9682	-27.9956	1.7073	42.03203	-28.3392	-18484.3
49301_9302	49301	9302	47.9682	43.9341	-1.7073	-42.032	8.09865	18057.85
49302_9302	49302	9302	-47.9611	-43.9341	1.8942	-28.4017	-8.09865	-18057.9
49302_9303	49302	9303	47.96111	59.73923	-1.8942	28.40171	-14.1642	17448.5
49303_9303	49303	9303	-47.9672	-79.2488	1.575788	29.32886	14.16424	-17451
49303_9304	49303	9304	47.96715	96.13301	-1.57579	-29.3289	-33.9591	16349.49
49304_9304	49304	9304	-47.9616	-96.133	1.736175	-25.4806	33.9591	-16349.5
49304_9305	49304	9305	47.96164	110.9792	-1.73618	25.48061	-53.1358	15205.91
49305_9305	49305	9305	-47.9753	-130.751	0.96285	29.91555	53.13578	-15207.8
49305_9306	49305	9306	47.97529	145.6074	-0.96285	-29.9156	-63.7673	13680.87
49306_9306	49306	9306	-47.97	-145.607	1.156838	-25.7814	63.76729	-13680.9
49306_9307	49306	9307	47.97004	162.4817	-1.15684	25.78144	-78.2959	11747.21
49307_9307	49307	9307	-48.0548	-180.753	-2.74129	9.1581	78.29588	-11748.7
49307_9308	49307	9308	48.05483	196.7388	2.741288	-9.1581	-45.7002	9504.275
49308_9308	49308	9308	-48.0611	-201.516	-2.61581	-15.3888	45.7002	-9504.27
49308_9309	49308	9309	48.06113	217.2476	2.615813	15.3888	-15.0743	7053.956
49309_9309	49309	9309	-48.3459	-238.148	-16.0876	-1.87478	15.07433	-7054.68
49309_9310	49309	9310	48.34594	254.2034	16.08758	1.874775	177.0794	4114.393
49310_9310	49310	9310	-48.4008	-254.203	-15.9272	-15.6146	-177.079	-4114.37

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft
49310_9311	49310	9311	48.4008	269.8681	15.92719	15.61455	362.6834	1060.652
49311_9311	49311	9311	-45.9323	-290.262	109.3315	-31.7342	-362.683	-1060.34
49311_9312	49311	9312	45.93225	294.7211	-109.332	31.73415	0	90.06821

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95
	Max.	1.31	1.58	1.84	1.84	1.05			0.00	
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9000_9000	9000	9000	3.837	24.694	-0.556	-1.043	0	14.236	1
9000_9001	9000	9001	38.955	-61.908	0.122	0.684	1.009	321.322	1
9001_9001	9001	9001	3.023	-4.929	0.829	0.217	6.878	24.075	1
9001_9002	9001	9002	75.288	-57.091	0.18	0.97	3.097	617.016	1
9002_9002	9002	9002	6.812	-5.356	-0.407	0.198	14.133	57.697	1
9002_9003	9002	9003	115.724	-51.831	-0.224	0.74	1.893	946.061	1
9003_9003	9003	9003	11.992	-5.488	-0.389	0.246	9.029	100.468	1
9003_9004	9003	9004	146.449	-40.463	-0.248	1.197	-0.683	1195.162	1
9004_9004	9004	9004	17.225	-5.71	0.002	0.2	4.307	143.32	1
9004_9005	9004	9005	171.969	-37.533	-0.037	0.479	-0.452	1402.927	1
9005_9005	9005	9005	22.658	-5.71	0.003	0.277	4.334	187.198	1
9005_9006	9005	9006	188.968	-32.205	-0.059	1.161	-0.583	1541.448	1
9006_9006	9006	9006	28.094	-5.685	0.075	0.189	4.365	231.104	1
9006_9007	9006	9007	201.483	-30.476	0.035	0.364	0.494	1643.364	1
9007_9007	9007	9007	33.505	-5.685	0.075	0.242	5.27	274.808	1
9007_9008	9007	9008	206.844	-25.578	0.019	0.775	1.354	1687.159	1
9008_9008	9008	9008	38.916	-5.792	0.079	0.185	6.176	318.505	1
9008_9009	9008	9009	209.537	-24.698	0.049	0.297	2.662	1709.114	1
9009_9009	9009	9009	44.436	-5.801	0.078	0.176	7.089	363.273	1
9009_9010	9009	9010	206.087	-20.081	0.032	0.362	3.702	1681.191	1
9010_9010	9010	9010	49.956	-5.982	0.081	0.045	8.037	407.853	1
9010_9011	9010	9011	202.737	-2.574	0.097	-0.525	4.449	1654.187	1
9011_9011	9011	9011	55.652	-5.982	0.082	0.22	9.021	453.85	1
9011_9012	9011	9012	194.002	2.162	0.079	0.232	5.755	1583.567	1
9012_9012	9012	9012	61.346	-6.223	0.072	-0.035	10.009	499.838	1
9012_9013	9012	9013	183.336	3.069	0.138	-0.689	7.791	1497.114	1
9013_9013	9013	9013	67.269	-6.223	0.073	0.177	10.882	547.673	1
9013_9014	9013	9014	167.505	7.66	0.113	0.013	9.27	1368.749	1
9014_9014	9014	9014	73.19	-6.498	0.057	-0.049	11.758	595.498	1
9014_9015	9014	9015	144.071	10.387	-0.044	-0.604	8.471	1178.549	1
9015_9015	9015	9015	89.031	-6.242	0.039	0.027	8.5	671.56	1
9015_9016	9015	9016	138.128	13.597	-0.032	-0.07	5.355	1079.73	1
9016_9016	9016	9016	91.523	-6.147	-0.012	-0.171	8.724	708.954	1
9016_9017	9016	9017	104.296	15.891	-0.189	-0.401	3.103	913.122	1
9017_9017	9017	9017	88.719	-5.937	-0.012	-0.118	8.595	775.037	1
9017_9018	9017	9018	66.258	1.026	-0.103	-0.046	2.212	720.315	1
9018_9018	9018	9018	79.946	-6.037	0.073	-0.312	8.427	855.141	1
9018_9019	9018	9019	37.321	3.695	0.13	-0.234	4.481	522.761	1
9019_9019	9019	9019	69.236	-6.165	0.074	-0.297	9.371	938.538	1
9019_9020	9019	9020	21.142	-1.927	0.002	-0.1	4.216	367.249	1
9020_9020	9020	9020	38.52	25.572	0.056	-0.271	0.909	497.098	1
9020_9021	9020	9021	120.033	-20.685	-0.689	-0.149	16.464	513.566	1
9021_9021	9021	9021	22.579	20.556	-0.038	-0.097	3.556	352.937	1
9021_9022	9021	9022	122.693	-18.391	-0.544	0.115	7.966	545.802	1
9022_9022	9022	9022	8.512	18.152	-0.091	-0.108	4.181	269.52	1
9022_9023	9022	9023	124.225	-22.159	-0.498	0.118	2.892	604.544	1
9023_9023	9023	9023	2.492	0.445	-0.066	-0.029	3.606	91.579	1
9023_9024	9023	9024	125.475	-20.113	-0.072	-0.05	1.832	638.001	1
9024_9024	9024	9024	2.169	0.445	-0.066	-0.029	3.077	89.311	1
9024_9025	9024	9025	125.641	-16.887	-0.061	-0.02	0.93	661.367	1
9025_9025	9025	9025	1.846	0.445	-0.064	-0.019	2.549	87.044	1
9025_9026	9025	9026	125.144	-13.374	-0.053	0.093	0.183	675.948	1
9026_9026	9026	9026	1.947	-0.693	0.016	0.033	-1.123	-52.036	1
9026_9027	9026	9027	124.837	-12.697	-0.012	-0.165	-0.019	684.938	1
9027_9027	9027	9027	2.326	-0.705	0.014	0.024	-1.054	-50.677	1
9027_9028	9027	9028	123.955	-9.887	-0.015	-0.016	-0.218	687.351	1
9028_9028	9028	9028	2.716	-0.721	0.016	0.026	-1.002	-49.794	1
9028_9029	9028	9029	121.859	-7.022	-0.01	-0.005	-0.347	679.206	1
9029_9029	9029	9029	3.115	-0.756	0.018	0.027	-0.963	-50.789	1
9029_9030	9029	9030	120.162	-18.714	0.018	0.112	-0.28	668.13	1
9030_9030	9030	9030	3.526	-0.733	0.02	0.035	-0.852	-47.899	1
9030_9031	9030	9031	119.021	-17.221	0.062	-0.033	0.299	651.25	1
9031_9031	9031	9031	4.072	-0.757	0.023	0.037	-0.7	-46.975	1
9031_9032	9031	9032	117.143	-13.983	0.074	-0.001	1.086	625.159	1
9032_9032	9032	9032	4.629	-0.778	0.022	0.032	-0.509	-45.665	1
9032_9033	9032	9033	114.164	-11.02	0.078	0.109	1.998	588.814	1
9033_9033	9033	9033	5.198	-0.837	0.066	0.038	-0.307	-43.461	1
9033_9034	9033	9034	110.823	-9.154	0.526	-0.124	6.474	548.294	1
9034_9034	9034	9034	5.79	-0.848	0.068	0.038	0.234	-40.575	1
9034_9035	9034	9035	106.681	-6.678	0.541	-0.095	11.197	501.857	1
9035_9035	9035	9035	11.957	-24.92	-0.03	0.288	1.484	333.681	1
9035_9036	9035	9036	100.592	-11.086	0.707	0.203	22.626	433.518	1
9036_9036	9036	9036	85.896	34.861	0.368	-0.859	-8.765	978.244	1
9036_9037	9036	9037	23.694	6.151	-0.03	-0.15	0.178	236.117	1
9037_9037	9037	9037	78.173	30.924	0.309	-0.372	-4.043	685.295	1
9037_9038	9037	9038	39.823	-32.801	-0.191	0.31	0.936	637.159	1
9038_9038	9038	9038	66.361	27.078	-0.114	-0.495	-0.621	444.916	1
9038_9039	9038	9039	68.567	-29.598	0.137	0.143	2.012	784.065	1
9039_9039	9039	9039	57.797	8.033	0.028	0.15	5.18	652.544	1
9039_9040	9039	9040	93.006	-26.082	0.164	0.327	3.593	887.694	1
9040_9040	9040	9040	57.09	7.485	0.018	0.057	5.517	579.808	1
9040_9041	9040	9041	105.812	-25.345	0.107	0.175	4.463	965.065	1
9041_9041	9041	9041	61.953	7.329	0.008	0.005	2.71	495.286	1
9041_9042	9041	9042	136.871	-19.682	0.058	0.15	3.042	1003.128	1
9042_9042	9042	9042	51.234	6.939	-0.018	-0.035	2.849	427.268	1
9042_9043	9042	9043	148.999	-34.25	-0.009	0.123	3.067	1082.556	1
9043_9043	9043	9043	43.256	6.939	-0.017	-0.009	2.633	376.729	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9043_9044	9043	9044	157.853	-29.359	-0.008	0.241	2.976	1135.249	1
9044_9044	9044	9044	35.284	6.706	-0.013	-0.054	2.433	326.237	1
9044_9045	9044	9045	165.518	-28.09	-0.003	0.051	2.945	1179.109	1
9045_9045	9045	9045	27.575	6.706	-0.012	-0.033	2.277	277.407	1
9045_9046	9045	9046	167.318	-23.192	-0.001	0.184	2.916	1184.813	1
9046_9046	9046	9046	34.671	-6.816	0.02	0.029	2.308	240.411	1
9046_9047	9046	9047	167.835	-22.065	0.005	-0.023	2.967	1181.592	1
9047_9047	9047	9047	42.529	-6.891	0.021	0.052	2.561	292.364	1
9047_9048	9047	9048	162.894	-17.315	0.006	0.11	3.005	1142.956	1
9048_9048	9048	9048	50.451	-7.064	0.024	0.005	2.805	342.644	1
9048_9049	9048	9049	156.559	-16.138	0.016	-0.087	3.171	1094.769	1
9049_9049	9049	9049	58.568	-7.064	0.024	0.035	3.087	394.059	1
9049_9050	9049	9050	146.067	-11.684	0.016	0.04	3.284	1019.177	1
9050_9050	9050	9050	66.754	-7.406	0.005	-0.019	3.363	448.252	1
9050_9051	9050	9051	131.078	-9.805	-0.048	-0.105	2.411	911.255	1
9051_9051	9051	9051	73.94	-7.278	0.007	-0.009	3.938	535.206	1
9051_9052	9051	9052	111.515	-6.279	-0.049	-0.032	2.307	869.961	1
9052_9052	9052	9052	77.781	-7.216	0.002	-0.066	3.993	576.148	1
9052_9053	9052	9053	87.647	-4.324	-0.075	-0.155	1.44	765.721	1
9053_9053	9053	9053	70.662	-7.347	0.003	-0.254	5.472	681.754	1
9053_9054	9053	9054	50.675	-0.764	-0.076	-0.19	1.197	662.566	1
9054_9054	9054	9054	65.164	-7.558	0.062	-0.292	5.517	770.299	1
9054_9055	9054	9055	34.687	-4.765	0.011	0.102	-1.017	208.294	1
9055_9055	9055	9055	72.619	-25.869	-0.223	0.775	-3.495	636.386	1
9055_9056	9055	9056	34.526	-4.083	0.009	0.171	-0.9	253.818	1
9056_9056	9056	9056	26.753	25.559	0.045	-0.419	0.379	453.653	1
9056_9057	9056	9057	115.948	-27.091	-0.472	-0.154	10.252	563.454	1
9057_9057	9057	9057	9.001	20.725	-0.025	-0.285	2.544	332.116	1
9057_9058	9057	9058	119.757	-24.524	-0.421	0.135	5.337	619.156	1
9058_9058	9058	9058	7.844	-0.31	0.054	0.153	-1.632	91.9	1
9058_9059	9058	9059	122.547	-21.733	-0.41	0.346	1.654	664.607	1
9059_9059	9059	9059	8.046	-0.289	0.056	0.094	-1.21	93.498	1
9059_9060	9059	9060	124.799	-19.703	-0.042	-0.187	0.981	704.654	1
9060_9060	9060	9060	8.241	-0.295	0.052	0.108	-0.659	87.013	1
9060_9061	9060	9061	125.889	-16.452	-0.042	0.066	0.365	733.135	1
9061_9061	9061	9061	8.438	-0.295	0.052	0.108	-0.244	88.58	1
9061_9062	9061	9062	126.145	-12.932	-0.033	0.135	-0.109	750.873	1
9062_9062	9062	9062	8.637	-0.36	0.05	0.084	0.172	90.145	1
9062_9063	9062	9063	126.416	-12.421	-0.008	-0.126	-0.233	762.403	1
9063_9063	9063	9063	8.817	-0.36	0.05	0.053	0.474	91.583	1
9063_9064	9063	9064	125.999	-9.66	0.002	-0.36	-0.282	765.986	1
9064_9064	9064	9064	9	-0.36	0.051	0.113	0.772	93.017	1
9064_9065	9064	9065	125.094	-21.554	0.006	0.376	-0.311	761.557	1
9065_9065	9065	9065	9.18	-0.36	0.05	0.085	1.077	94.453	1
9065_9066	9065	9066	124.333	-18.924	0.014	0.192	-0.201	749.22	1
9066_9066	9066	9066	9.362	-0.416	0.059	0.061	1.442	103.919	1
9066_9067	9066	9067	123.456	-17.548	0.044	-0.127	0.246	730.481	1
9067_9067	9067	9067	9.642	-0.416	0.06	0.086	1.915	106.133	1
9067_9068	9067	9068	121.849	-14.313	0.045	0.116	0.789	701.473	1
9068_9068	9068	9068	9.921	-0.416	0.06	0.086	2.392	108.346	1
9068_9069	9068	9069	119.135	-11.343	0.051	0.176	1.437	661.052	1
9069_9069	9069	9069	10.201	-0.518	0.057	0.039	2.87	110.56	1
9069_9070	9069	9070	116.095	-9.604	0.432	-0.182	5.101	616.353	1
9070_9070	9070	9070	10.537	-0.518	0.057	0.041	3.314	113.227	1
9070_9071	9070	9071	112.081	-7.071	0.443	-0.104	8.969	564.142	1
9071_9071	9071	9071	10.752	-0.991	0.029	0.065	-0.519	-17.176	1
9071_9072	9071	9072	106.7	-4.383	0.508	0.197	15.768	494.707	1
9072_9072	9072	9072	74.083	34.108	0.275	-0.982	-6.703	891.545	1
9072_9073	9072	9073	28.31	0.041	-0.008	0.125	3.117	246.293	1
9073_9073	9073	9073	65.601	29.67	0.23	-0.536	-3.026	602.048	1
9073_9074	9073	9074	44.034	-33.178	-0.177	0.381	0.954	673.204	1
9074_9074	9074	9074	63.744	6.952	0.007	0.122	5.136	775.65	1
9074_9075	9074	9075	73.75	-29.993	0.114	0.184	1.882	834.608	1
9075_9075	9075	9075	77.577	6.69	0.007	0.149	3.836	651.79	1
9075_9076	9075	9076	110.297	-26.336	0.101	0.327	2.406	900.328	1
9076_9076	9076	9076	77.941	6.643	0.005	0.032	3.917	589.469	1
9076_9077	9076	9077	125.629	-25.492	0.05	0.102	2.857	985.058	1
9077_9077	9077	9077	69.127	6.823	0.007	0.024	5.558	559.064	1
9077_9078	9077	9078	132.259	-37.008	0.09	0.534	5.437	1137.69	1
9078_9078	9078	9078	61.321	6.506	-0.038	-0.06	5.638	493.047	1
9078_9079	9078	9079	145.594	-35.602	-0.044	0.257	5.039	1237.2	1
9079_9079	9079	9079	55.23	6.394	-0.037	0.019	5.185	440.742	1
9079_9080	9079	9080	154.537	-31.098	-0.047	0.556	4.538	1302.71	1
9080_9080	9080	9080	49.239	6.077	-0.032	-0.06	4.716	387.679	1
9080_9081	9080	9081	162.545	-30.269	-0.015	0.247	4.407	1360.461	1
9081_9081	9081	9081	43.559	5.932	-0.032	-0.058	4.299	337.686	1
9081_9082	9081	9082	165.795	-25.774	-0.02	0.342	4.202	1381.931	1
9082_9082	9082	9082	38.103	5.491	-0.029	-0.098	3.779	281.198	1
9082_9083	9082	9083	168.236	-24.88	0.001	0.012	4.255	1396.67	1
9083_9083	9083	9083	34.11	-5.529	0.036	0.104	3.436	254.968	1
9083_9084	9083	9084	165.281	-20.134	-0.002	0.303	4.255	1370.463	1
9084_9084	9084	9084	39.812	-5.803	0.039	0.03	3.934	303.772	1
9084_9085	9084	9085	162.261	-3.363	0.015	-0.354	4.455	1351.966	1
9085_9085	9085	9085	45.347	-5.886	0.039	0.088	4.391	348.766	1
9085_9086	9085	9086	154.604	1.185	0.014	-0.027	4.587	1290.822	1
9086_9086	9086	9086	50.936	-6.078	0.041	-0.018	4.828	392.744	1
9086_9087	9086	9087	145.999	1.96	0.043	-0.463	5.085	1222.105	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9087_9087	9087	9087	56.743	-6.132	0.041	0.051	5.291	438.792	1
9087_9088	9087	9088	133.713	-10.363	0.029	0.032	5.177	1111.624	1
9088_9088	9088	9088	62.548	-6.385	0.018	-0.034	5.751	482.33	1
9088_9089	9088	9089	119.293	-8.594	-0.057	-0.231	4.249	993.189	1
9089_9089	9089	9089	68.764	-6.332	0.014	-0.036	5.262	566.289	1
9089_9090	9089	9090	103.771	-5.713	-0.047	-0.076	3.294	947.921	1
9090_9090	9090	9090	71.586	-6.23	0	-0.148	5.38	603.902	1
9090_9091	9090	9091	79.906	-3.837	-0.099	-0.327	2.078	821.59	1
9091_9091	9091	9091	69.66	-6.179	0.001	-0.198	6.788	671.829	1
9091_9092	9091	9092	48.943	-0.214	-0.093	-0.121	1.588	664.33	1
9092_9092	9092	9092	63.551	-6.334	0.09	-0.392	6.795	749.692	1
9092_9093	9092	9093	25.939	2.491	0.152	-0.289	4.082	484.214	1
9093_9093	9093	9093	67.521	-27.356	-0.272	0.848	-4.306	641.929	1
9093_9094	9093	9094	24.827	-4.822	0.006	0.176	-0.263	254.064	1
9094_9094	9094	9094	26.28	25.029	0.044	-0.367	0.758	458.048	1
9094_9095	9094	9095	115.209	-27.175	-0.546	-0.101	11.646	564.49	1
9095_9095	9095	9095	11.391	0.68	-0.052	-0.07	0.07	-29.564	1
9095_9096	9095	9096	115.622	-24.67	-0.608	0.169	7.509	634.23	1
9096_9096	9096	9096	10.974	0.68	-0.052	-0.07	-0.336	-33.171	1
9096_9097	9096	9097	118.018	-21.844	-0.581	0.234	2.291	681.296	1
9097_9097	9097	9097	10.557	0.652	-0.004	-0.061	-0.74	-36.772	1
9097_9098	9097	9098	120.006	-19.909	-0.057	-0.184	1.357	723.76	1
9098_9098	9098	9098	10.146	0.652	-0.007	-0.07	-0.771	-40.34	1
9098_9099	9098	9099	120.92	-16.632	-0.056	0.064	0.521	754.311	1
9099_9099	9099	9099	9.739	0.634	-0.006	-0.068	-0.811	-41.724	1
9099_9100	9099	9100	121.068	-13.078	-0.043	0.144	-0.105	773.797	1
9100_9100	9100	9100	9.339	0.646	-0.006	-0.053	-0.854	-44.806	1
9100_9101	9100	9101	121.28	-12.663	-0.018	-0.205	-0.305	786.75	1
9101_9101	9101	9101	9.039	0.632	-0.004	-0.051	-0.857	-45.591	1
9101_9102	9101	9102	120.883	-9.88	-0.012	-0.169	-0.432	791.726	1
9102_9102	9102	9102	8.74	0.632	-0.005	-0.052	-0.884	-48.18	1
9102_9103	9102	9103	119.564	-21.737	0.023	0.094	-0.188	788.649	1
9103_9103	9103	9103	8.575	0.009	-0.088	-0.051	0.761	94.275	1
9103_9104	9103	9104	118.806	-19.083	0.019	0.382	0.017	776.464	1
9104_9104	9104	9104	8.571	-0.063	-0.09	-0.109	0.233	94.239	1
9104_9105	9104	9105	117.924	-17.779	0.059	-0.139	0.708	757.759	1
9105_9105	9105	9105	8.61	-0.063	-0.09	-0.085	-0.49	94.583	1
9105_9106	9105	9106	116.316	-14.482	0.062	0.125	1.559	727.938	1
9106_9106	9106	9106	8.65	-0.063	-0.09	-0.086	-1.209	94.927	1
9106_9107	9106	9107	113.615	-11.459	0.073	0.182	2.588	685.862	1
9107_9107	9107	9107	8.689	-0.063	-0.072	-0.117	-1.927	95.273	1
9107_9108	9107	9108	110.572	-9.699	0.605	-0.149	7.848	638.982	1
9108_9108	9108	9108	8.727	-0.063	-0.072	-0.117	-2.489	95.606	1
9108_9109	9108	9109	106.501	-7.099	0.622	-0.074	13.392	583.664	1
9109_9109	9109	9109	9.162	-0.083	-0.073	-0.097	-3.099	101.986	1
9109_9110	9109	9110	103.637	-4.322	0.568	0.141	18.385	498.607	1
9110_9110	9110	9110	79.045	31.961	0.35	-1.015	-10.473	899.27	1
9110_9111	9110	9111	24.218	1.455	-0.016	0.12	3.408	283.277	1
9111_9111	9111	9111	72.304	26.648	0.286	-0.486	-5.769	623.099	1
9111_9112	9111	9112	41.542	-32.497	-0.231	0.341	2.122	677.825	1
9112_9112	9112	9112	62.696	21.969	-0.081	-0.626	-2.421	402.709	1
9112_9113	9112	9113	69.557	-29.281	0.113	0.25	3.134	832.63	1
9113_9113	9113	9113	67.615	7.304	-0.007	0.156	5.634	682.449	1
9113_9114	9113	9114	94.225	-25.562	0.106	0.458	3.636	934.478	1
9114_9114	9114	9114	67.466	7.251	-0.021	0.065	5.548	613.898	1
9114_9115	9114	9115	106.454	-24.777	0.035	0.213	4.003	1014.068	1
9115_9115	9115	9115	71.456	7.274	-0.018	0.007	4.474	514.903	1
9115_9116	9115	9116	133.445	-19.44	0.032	0.21	3.865	1013.252	1
9116_9116	9116	9116	62.268	6.989	-0.035	-0.068	4.231	454.069	1
9116_9117	9116	9117	143.802	-18.456	-0.034	-0.044	3.606	1087.889	1
9117_9117	9117	9117	55.139	6.88	-0.033	0.028	3.828	401.863	1
9117_9118	9117	9118	150.736	-13.944	-0.033	0.283	3.263	1137.945	1
9118_9118	9118	9118	48.09	6.678	-0.031	-0.086	3.445	352.641	1
9118_9119	9118	9119	156.904	-13.227	-0.027	-0.142	2.983	1181.54	1
9119_9119	9119	9119	41.321	6.49	-0.03	-0.012	3.051	300.403	1
9119_9120	9119	9120	158.653	-8.584	-0.025	0.206	2.67	1194.872	1
9120_9120	9120	9120	34.772	6.077	-0.03	-0.085	2.632	246.613	1
9120_9121	9120	9121	159.89	-7.89	-0.015	-0.219	2.475	1203.957	1
9121_9121	9121	9121	28.301	5.55	-0.028	-0.035	2.12	188.041	1
9121_9122	9121	9122	155.298	-2.839	-0.012	0.12	2.291	1173.934	1
9122_9122	9122	9122	22.543	4.728	-0.024	-0.073	1.557	131.014	1
9122_9123	9122	9123	150.1	-2.373	-0.01	-0.38	2.174	1139.235	1
9123_9123	9123	9123	25.634	-3.913	0.013	0.065	1.926	200.808	1
9123_9124	9123	9124	139.881	2.315	-0.004	0.087	2.109	1071.002	1
9124_9124	9124	9124	29.754	-4.171	0.013	-0.017	2.096	233.46	1
9124_9125	9124	9125	128.968	2.951	0.01	-0.364	2.24	997.408	1
9125_9125	9125	9125	34.167	-4.385	0.014	0.047	2.246	272.035	1
9125_9126	9125	9126	114.969	-8.924	0.006	0.075	2.24	891.274	1
9126_9126	9126	9126	38.683	-4.608	-0.003	-0.027	2.395	303.709	1
9126_9127	9126	9127	99.039	-7.139	-0.053	-0.172	1.472	776.275	1
9127_9127	9127	9127	46.013	-4.608	-0.002	0.007	2.097	348.386	1
9127_9128	9127	9128	88.288	-4.361	-0.043	0.004	0.977	706.11	1
9128_9128	9128	9128	51.771	-16.849	0.056	0.132	-0.484	194.437	1
9128_9129	9128	9129	64.747	-2.952	-0.093	-0.157	-0.036	597.51	1
9129_9129	9129	9129	66.48	-20.542	0.075	0.477	0.256	350.301	1
9129_9130	9129	9130	31.774	-5.926	0.037	0.119	0.949	218.291	1
9130_9130	9130	9130	81.377	-24.358	-0.122	0.348	1.501	569.638	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9130_9131	9130	9131	32.058	-5.533	0.031	0.072	1.367	276.143	1
9131_9131	9131	9131	90.758	-28.741	-0.168	0.576	-0.273	824.889	1
9131_9132	9131	9132	31.071	-5.098	0.03	0.062	1.72	329.563	1
9132_9132	9132	9132	32.186	27.252	0.138	-0.262	-2.423	439.302	1
9132_9133	9132	9133	105.743	-29.54	-0.446	0.018	7.113	451.251	1
9133_9133	9133	9133	15.362	21.437	0.054	-0.21	0.23	284.582	1
9133_9134	9133	9134	112.872	-26.693	-0.395	0.064	3.153	507.587	1
9134_9134	9134	9134	8.908	1.166	0.028	0.078	0.232	139.894	1
9134_9135	9134	9135	117.46	-23.696	-0.393	0.182	-0.134	562.623	1
9135_9135	9135	9135	8.098	1.15	0.021	0.037	0.476	128.561	1
9135_9136	9135	9136	121.164	-21.198	0	-0.072	-0.27	610.57	1
9136_9136	9136	9136	7.521	-1.276	-0.023	-0.008	1.34	42.993	1
9136_9137	9136	9137	123.325	-17.694	-0.001	0.059	-0.373	645.857	1
9137_9137	9137	9137	8.48	-1.367	-0.025	-0.009	1.212	54.399	1
9137_9138	9137	9138	124.288	-13.901	0.003	0.1	-0.387	669.326	1
9138_9138	9138	9138	9.49	-1.486	-0.028	-0.026	1.039	66.49	1
9138_9139	9138	9139	124.886	-13.261	0.01	-0.164	-0.315	683.991	1
9139_9139	9139	9139	10.3	-1.486	-0.028	-0.012	0.87	72.164	1
9139_9140	9139	9140	124.625	-10.259	0.004	0.004	-0.269	690.494	1
9140_9140	9140	9140	11.135	-1.546	-0.03	-0.013	0.7	81.764	1
9140_9141	9140	9141	122.907	-7.191	0.005	0.037	-0.214	685.066	1
9141_9141	9141	9141	11.993	-1.602	-0.031	-0.033	0.513	91.67	1
9141_9142	9141	9142	121.01	-17.896	0.013	0.034	0.087	676.5	1
9142_9142	9142	9142	12.881	-1.753	-0.033	-0.034	0.308	101.906	1
9142_9143	9142	9143	119.005	-16.34	0.014	0.006	0.285	655.564	1
9143_9143	9143	9143	14.159	-1.758	-0.033	-0.051	0.043	111.192	1
9143_9144	9143	9144	115.773	-12.822	0.021	-0.049	0.585	622.319	1
9144_9144	9144	9144	15.463	-1.9	-0.037	-0.039	-0.338	131.477	1
9144_9145	9144	9145	110.993	-9.589	0.02	0.078	0.908	576.096	1
9145_9145	9145	9145	16.845	-1.941	-0.035	-0.064	-0.633	141.151	1
9145_9146	9145	9146	105.463	-7.427	0.325	-0.081	3.637	523.233	1
9146_9146	9146	9146	18.225	-2.013	-0.04	-0.092	-1.009	156.642	1
9146_9147	9146	9147	98.661	-4.678	0.336	-0.117	6.51	461.811	1
9147_9147	9147	9147	18.446	-1.948	-0.037	-0.099	-1.254	165.859	1
9147_9148	9147	9148	88.581	-1.767	0.354	0.088	10.593	385.764	1
9148_9148	9148	9148	103.478	30.263	0.223	-0.639	-4.611	961.867	1
9148_9149	9148	9149	36.766	3.18	-0.012	-0.059	0.014	223.743	1
9149_9149	9149	9149	97.446	27.985	0.199	-0.465	-1.723	689.635	1
9149_9150	9149	9150	36.592	3.871	-0.012	-0.058	-0.133	181.702	1
9150_9150	9150	9150	87.794	24.444	-0.07	-0.458	0.433	468.233	1
9150_9151	9150	9151	48.89	-28.491	0.091	0.283	0.647	679.998	1
9151_9151	9151	9151	74.15	19.522	-0.041	-0.184	-0.52	274.165	1
9151_9152	9151	9152	79.291	-25.031	0.082	0.128	1.285	718.656	1
9152_9152	9152	9152	57.395	16.805	-0.029	-0.187	-0.949	152.986	1
9152_9153	9152	9153	90.743	-24.328	0.036	0.11	1.538	782.464	1
9153_9153	9153	9153	46.134	6.864	-0.009	-0.015	1.957	373.02	1
9153_9154	9153	9154	109.414	-19.052	0.034	0.076	1.748	833.502	1
9154_9154	9154	9154	36.63	6.622	-0.013	-0.028	1.827	313.065	1
9154_9155	9154	9155	118.001	-17.616	-0.006	-0.008	1.714	893.42	1
9155_9155	9155	9155	29.367	6.405	-0.012	-0.01	1.657	262.206	1
9155_9156	9155	9156	123.195	-12.936	-0.002	0.086	1.695	930.418	1
9156_9156	9156	9156	22.536	5.796	-0.014	-0.03	1.433	203.838	1
9156_9157	9156	9157	126.865	-11.993	-0.007	-0.056	1.647	955.959	1
9157_9157	9157	9157	17.174	4.812	-0.012	-0.013	1.112	145.036	1
9157_9158	9157	9158	126.969	-22.585	0.001	0.121	1.646	956.863	1
9158_9158	9158	9158	13.079	1.264	0.004	-0.005	-0.114	64.137	1
9158_9159	9158	9159	126.952	-21.585	0.004	-0.016	1.681	953.339	1
9159_9159	9159	9159	16.51	-4.374	0.013	0.02	1.185	135.619	1
9159_9160	9159	9160	123.186	-17.379	0.007	0.078	1.749	925.991	1
9160_9160	9160	9160	21.291	-5.137	0.011	0.011	1.457	184.058	1
9160_9161	9160	9161	117.789	-15.907	0.002	-0.027	1.768	886.625	1
9161_9161	9161	9161	27.366	-5.697	0.011	0.014	1.663	237.418	1
9161_9162	9161	9162	108.896	-11.571	0.002	0.007	1.766	823.993	1
9162_9162	9162	9162	33.836	-6.032	0.005	0.016	1.796	282.401	1
9162_9163	9162	9163	96.751	-9.144	-0.034	-0.023	1.263	736.386	1
9163_9163	9163	9163	47.696	-14.366	0.028	0.153	-0.921	92.365	1
9163_9164	9163	9164	80.033	-6.387	-0.037	-0.088	1.097	697.388	1
9164_9164	9164	9164	59.868	-15.879	0.032	0.15	-0.735	160.754	1
9164_9165	9164	9165	59.415	-4.59	-0.07	-0.066	0.378	605.549	1
9165_9165	9165	9165	76.613	-18.294	0.048	0.281	-0.342	286.793	1
9165_9166	9165	9166	42.966	-5.113	0.023	0.056	0.031	204.688	1
9166_9166	9166	9166	92.004	-22.395	-0.129	0.239	0.604	473.716	1
9166_9167	9166	9167	43.031	-4.26	0.009	0.033	0.148	250.44	1
9167_9167	9167	9167	101.934	-24.286	-0.155	0.43	-1.096	697.151	1
9167_9168	9167	9168	41.839	-3.468	0.008	0.057	0.247	292.31	1
9168_9168	9168	9168	34.599	27.33	0.075	-0.255	-1.361	432.042	1
9168_9169	9168	9169	100.932	-29.392	-0.307	0.002	5.819	446.33	1
9169_9169	9169	9169	21.811	2.054	0.036	0.082	-0.919	170.529	1
9169_9170	9169	9170	108.912	-26.614	-0.249	0.152	2.595	501.877	1
9170_9170	9170	9170	20.311	1.996	0.033	0.056	-0.577	155.58	1
9170_9171	9170	9171	114.739	-23.639	-0.237	0.12	0.56	553.981	1
9171_9171	9171	9171	18.875	1.885	0.029	0.046	-0.279	140.583	1
9171_9172	9171	9172	119.76	-21.22	-0.021	0.022	0.271	599.776	1
9172_9172	9172	9172	17.442	1.885	0.028	0.028	-0.05	131.23	1
9172_9173	9172	9173	123.162	-17.75	-0.015	-0.026	0.054	633.231	1
9173_9173	9173	9173	16.047	1.754	0.025	0.039	0.219	111.437	1
9173_9174	9173	9174	125.351	-13.991	-0.014	0.098	-0.125	655.518	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9174_9174	9174	9174	14.714	1.68	0.024	0.025	0.422	102.736	1
9174_9175	9174	9175	126.773	-13.181	-0.003	-0.038	-0.155	668.906	1
9175_9175	9175	9175	13.758	1.675	0.024	0.007	0.569	96.166	1
9175_9176	9175	9176	128.318	-23.743	0.005	-0.041	-0.147	673.838	1
9176_9176	9176	9176	12.824	1.624	0.023	0.022	0.708	86.244	1
9176_9177	9176	9177	128.386	-20.768	0.002	0.107	-0.124	668.479	1
9177_9177	9177	9177	11.917	1.571	0.022	0.021	0.836	76.615	1
9177_9178	9177	9178	127.527	-17.941	0.002	0.126	-0.097	655.16	1
9178_9178	9178	9178	11.031	1.507	0.023	0.006	0.958	68.835	1
9178_9179	9178	9179	126.037	-16.181	0.021	-0.067	0.109	632.747	1
9179_9179	9179	9179	9.904	1.483	0.022	0.015	1.127	59.926	1
9179_9180	9179	9180	123.333	-12.725	0.021	0.058	0.351	599.371	1
9180_9180	9180	9180	8.835	1.402	0.02	0.006	1.242	48.207	1
9180_9181	9180	9181	119.011	-9.558	0.027	0.013	0.669	553.853	1
9181_9181	9181	9181	7.814	1.297	0.007	0.006	1.322	37.166	1
9181_9182	9181	9182	113.86	-7.336	0.24	-0.098	2.669	502.109	1
9182_9182	9182	9182	8.239	-1.075	-0.024	-0.056	-0.352	117.62	1
9182_9183	9182	9183	107.464	-4.662	0.245	-0.055	4.742	442.948	1
9183_9183	9183	9183	15.573	-21.621	-0.026	0.173	0.428	296.027	1
9183_9184	9183	9184	99.063	-1.844	0.289	-0.004	8.446	365.522	1
9184_9184	9184	9184	95.622	33.509	0.175	-0.536	-3.186	961.699	1
9184_9185	9184	9185	26.387	4.522	-0.01	-0.062	0.215	195.008	1
9185_9185	9185	9185	87.637	30.332	0.152	-0.328	-0.915	667.603	1
9185_9186	9185	9186	33.16	-33.313	-0.115	0.189	-0.049	499.477	1
9186_9186	9186	9186	75.358	26.194	-0.062	-0.365	0.718	429.729	1
9186_9187	9186	9187	61.017	-29.847	0.078	0.177	0.433	640.296	1
9187_9187	9187	9187	58.187	20.757	-0.044	-0.174	-0.214	230.866	1
9187_9188	9187	9188	90.635	-26.252	0.08	0.138	1.099	714.936	1
9188_9188	9188	9188	51.164	5.73	-0.007	0.021	2.075	379.891	1
9188_9189	9188	9189	104.429	-25.097	0.039	0.11	1.364	787.947	1
9189_9189	9189	9189	48.666	5.733	-0.008	-0.018	1.888	352.23	1
9189_9190	9189	9190	121.293	-19.857	0.042	0.096	1.798	904.81	1
9190_9190	9190	9190	40.947	5.463	-0.01	-0.014	1.791	297.249	1
9190_9191	9190	9191	131.853	-18.078	0.006	0.066	1.892	978.428	1
9191_9191	9191	9191	35.071	5.303	-0.01	-0.031	1.676	253.917	1
9191_9192	9191	9192	138.943	-28.618	0.009	0.168	1.992	1032.267	1
9192_9192	9192	9192	29.441	4.949	-0.012	-0.038	1.521	207.938	1
9192_9193	9192	9193	144.192	-27.284	0.008	0.045	2.053	1064.9	1
9193_9193	9193	9193	24.828	4.371	-0.012	-0.02	1.295	161.181	1
9193_9194	9193	9194	145.174	-22.982	0.011	0.167	2.154	1069.489	1
9194_9194	9194	9194	23.99	-5.402	0.017	0.023	1.516	167.712	1
9194_9195	9194	9195	144.997	-21.692	0.01	-0.022	2.237	1065.532	1
9195_9195	9195	9195	29.449	-5.724	0.018	0.042	1.747	210.703	1
9195_9196	9195	9196	141.107	-17.565	0.013	0.099	2.343	1036.769	1
9196_9196	9196	9196	35.177	-6.05	0.014	0.009	1.955	252.934	1
9196_9197	9196	9197	135.184	-15.872	0.002	-0.08	2.338	993.251	1
9197_9197	9197	9197	41.834	-6.189	0.014	0.03	2.117	299.6	1
9197_9198	9197	9198	125.822	-11.637	0.005	0.033	2.346	926.064	1
9198_9198	9198	9198	48.599	-6.473	0.004	-0.008	2.273	344.665	1
9198_9199	9198	9199	112.562	-9.002	-0.043	-0.093	1.681	829.687	1
9199_9199	9199	9199	55.803	-6.457	0.005	-0.008	2.504	394.568	1
9199_9200	9199	9200	96.935	-6.164	-0.039	-0.046	1.489	747.427	1
9200_9200	9200	9200	59.575	-6.404	-0.008	-0.058	2.543	429.105	1
9200_9201	9200	9201	74.162	-3.901	-0.061	-0.147	0.846	650.331	1
9201_9201	9201	9201	59.16	-19.349	0.046	0.45	-1.329	251.726	1
9201_9202	9201	9202	39.626	-0.658	-0.071	-0.153	0.663	559.239	1
9202_9202	9202	9202	75.581	-23.568	-0.188	0.461	-0.41	452.004	1
9202_9203	9202	9203	26.426	-4.391	0.009	0.081	-0.426	190.226	1
9203_9203	9203	9203	87.025	-27.205	-0.225	0.587	-2.982	692.954	1
9203_9204	9203	9204	26.149	-3.94	0.01	0.071	-0.332	230.73	1
9204_9204	9204	9204	32.617	25.758	0.039	-0.342	0.199	460.005	1
9204_9205	9204	9205	110.588	-27.947	-0.426	-0.028	9.022	496.5	1
9205_9205	9205	9205	14.36	22.893	0.003	-0.215	1.387	314.302	1
9205_9206	9205	9206	116.379	-25.36	-0.38	0.175	4.751	559.819	1
9206_9206	9206	9206	9.606	0.394	0.059	0.077	-1.35	111.634	1
9206_9207	9206	9207	120.36	-22.586	-0.365	0.221	1.508	606.624	1
9207_9207	9207	9207	9.334	0.362	0.054	0.037	-0.851	106.601	1
9207_9208	9207	9208	123.586	-20.212	-0.059	-0.133	0.76	647.073	1
9208_9208	9208	9208	9.076	0.349	0.053	0.051	-0.395	102.325	1
9208_9209	9208	9209	125.558	-16.949	-0.058	0.001	0.076	676.585	1
9209_9209	9209	9209	8.826	0.349	0.054	0.065	0.03	100.538	1
9209_9210	9209	9210	126.641	-13.41	-0.054	0.14	-0.506	696.278	1
9210_9210	9210	9210	8.592	0.217	0.047	0.008	0.481	91.2	1
9210_9211	9210	9211	127.434	-12.735	0.005	-0.291	-0.507	708.865	1
9211_9211	9211	9211	8.475	0.217	0.048	0.026	0.764	90.367	1
9211_9212	9211	9212	128.002	-24.372	0.01	-0.014	-0.419	719.735	1
9212_9212	9212	9212	8.359	0.217	0.049	0.043	1.052	89.533	1
9212_9213	9212	9213	128.233	-21.572	0.006	0.144	-0.333	717.655	1
9213_9213	9213	9213	8.243	0.217	0.05	0.06	1.346	88.699	1
9213_9214	9213	9214	127.746	-18.907	0.001	0.288	-0.263	708.457	1
9214_9214	9214	9214	8.409	-0.656	0.021	0.044	-0.115	-30.965	1
9214_9215	9214	9215	127.083	-17.387	0.073	-0.221	0.448	693.538	1
9215_9215	9215	9215	8.885	-0.668	0.018	0.038	0.065	-28.824	1
9215_9216	9215	9216	125.52	-14.142	0.069	0.01	1.22	669.078	1
9216_9216	9216	9216	9.365	-0.668	0.014	0.03	0.209	-25.4	1
9216_9217	9216	9217	122.692	-11.164	0.064	0.219	2	633.946	1
9217_9217	9217	9217	9.849	-0.669	0.045	0.037	0.318	-21.976	1

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9217_9218	9217	9218	119.423	-9.371	0.365	-0.336	5.152	594.591	1
9218_9218	9218	9218	10.319	-0.679	0.039	0.029	0.696	-19.618	1
9218_9219	9218	9219	115.148	-6.855	0.351	-0.036	8.243	548.927	1
9219_9219	9219	9219	14.124	-22.471	-0.012	0.316	1.28	336.682	1
9219_9220	9219	9220	109.102	-4.186	0.359	0.121	12.287	476.983	1
9220_9220	9220	9220	68.536	32.529	0.216	-0.752	-5.574	673.033	1
9220_9221	9220	9221	27.097	-35.196	-0.071	0.123	2.816	504.294	1
9221_9221	9221	9221	64.499	9.318	-0.025	0.362	5.432	833.656	1
9221_9222	9221	9222	52.1	-31.425	-0.113	0.326	1.551	661.615	1
9222_9222	9222	9222	71.08	9.001	-0.015	-0.044	5.137	730.248	1
9222_9223	9222	9223	81.804	-27.658	0.064	-0.055	1.966	798.709	1
9223_9223	9223	9223	81.705	8.893	-0.009	0.172	3.223	590.889	1
9223_9224	9223	9224	116.123	-23.583	0.056	0.324	1.792	836.167	1
9224_9224	9224	9224	78.903	8.887	-0.023	-0.089	3.121	515.629	1
9224_9225	9224	9225	128.825	-21.899	0.02	-0.127	1.967	897.857	1
9225_9225	9225	9225	69.565	9.042	-0.025	0.047	3.223	493.937	1
9225_9226	9225	9226	131.801	-15.917	0.031	0.295	2.603	1040.652	1
9226_9226	9226	9226	57.641	8.564	-0.025	-0.121	2.855	404.715	1
9226_9227	9226	9227	137.611	-13.489	-0.009	-0.213	2.565	1088.952	1
9227_9227	9227	9227	48.752	8.557	-0.025	-0.001	2.567	342.676	1
9227_9228	9227	9228	139.174	-8.459	-0.005	0.234	2.512	1105.186	1
9228_9228	9228	9228	40.073	8	-0.031	-0.108	2.216	271.585	1
9228_9229	9228	9229	138.129	-21.402	-0.011	-0.176	2.352	1101.093	1
9229_9229	9229	9229	41.165	-7.724	0.008	0.099	1.896	300.798	1
9229_9230	9229	9230	132.989	-16.685	-0.007	0.243	2.22	1061.338	1
9230_9230	9230	9230	49.32	-8.369	0.011	-0.091	2.006	365.93	1
9230_9231	9230	9231	125.729	-14.252	-0.021	-0.307	1.909	1003.783	1
9231_9231	9231	9231	58.603	-8.548	0.011	0.042	2.13	436.831	1
9231_9232	9231	9232	117.979	-10.922	-0.016	0.03	1.742	942.69	1
9232_9232	9232	9232	64.927	-8.534	0.021	0.196	3.643	491.543	1
9232_9233	9232	9233	112.803	-9.773	-0.013	0.35	2.81	925.387	1
9233_9233	9233	9233	67.109	-8.842	-0.011	-0.168	3.703	508.793	1
9233_9234	9233	9234	98.234	-8.13	-0.132	-0.29	1.597	854.59	1
9234_9234	9234	9234	71.588	-8.625	-0.009	-0.069	3.594	569.431	1
9234_9235	9234	9235	83.65	-5.684	-0.113	-0.066	0.904	793.154	1
9235_9235	9235	9235	60.866	-8.906	-0.01	0.207	5.474	678.652	1
9235_9236	9235	9236	56.732	-4.339	-0.144	0.326	0.824	810.874	1
9236_9236	9236	9236	59.974	-9.089	-0.17	-0.488	5.366	725.605	1
9236_9237	9236	9237	39.437	-2.201	-0.28	-0.328	-1.236	698.166	1
9237_9237	9237	9237	56.72	-9.174	-0.166	0.098	3.739	804.678	1
9237_9238	9237	9238	25.815	-2.029	-0.042	0.001	2.557	298.136	1
9238_9238	9238	9238	61.729	-27.707	-0.437	0.928	1.921	544.388	1
9238_9239	9238	9239	23.978	-1.973	0.03	-0.22	2.81	317.395	1
9239_9239	9239	9239	68.072	-29.908	-0.511	1.454	-2.162	740.044	1
9239_9240	9239	9240	23.196	-1.859	0.028	-0.128	2.933	325.658	1
9240_9240	9240	9240	18.423	0.748	-0.169	-0.34	-1.129	-19.816	1
9240_9241	9240	9241	121.785	-19.332	0.361	1.939	14.573	650.078	1
9241_9241	9241	9241	18.023	1.299	0.043	-0.075	-2.198	-23.041	1
9241_9242	9241	9242	122.764	-24.415	-0.333	-0.654	13.257	666.665	1
9242_9242	9242	9242	17.46	1.297	0.032	-0.083	-1.949	-24.568	1
9242_9243	9242	9243	125.629	-20.222	-0.285	-0.265	7.981	720.79	1
9243_9243	9243	9243	16.219	1.297	0.021	-0.102	-1.549	-35.627	1
9243_9244	9243	9244	125.465	-16.989	-0.267	0.179	5.214	742.86	1
9244_9244	9244	9244	15.317	1.367	0.016	-0.065	-1.362	-43.656	1
9244_9245	9244	9245	127.518	-16.97	-0.372	-0.398	1.308	784.025	1
9245_9245	9245	9245	14.211	1.367	0.004	-0.095	-1.199	-53.515	1
9245_9246	9245	9246	128.362	-13.316	-0.402	0.115	-2.584	806.297	1
9246_9246	9246	9246	13.251	1.36	0.009	-0.055	-1.143	-57.954	1
9246_9247	9246	9247	129.327	-25.727	0.022	-0.128	-2.238	824.247	1
9247_9247	9247	9247	12.14	1.36	-0.005	-0.101	-1.049	-67.853	1
9247_9248	9247	9248	130.376	-21.865	-0.011	0.455	-2.137	824.215	1
9248_9248	9248	9248	11.185	1.414	-0.014	-0.044	-1.095	-76.367	1
9248_9249	9248	9249	130.783	-19.324	0.124	-0.144	-0.668	813.297	1
9249_9249	9249	9249	10.165	1.382	-0.021	-0.082	-1.136	-81.988	1
9249_9250	9249	9250	130.247	-15.536	0.107	0.309	0.874	787.174	1
9250_9250	9250	9250	9.087	1.44	-0.038	-0.028	-1.28	-89.346	1
9250_9251	9250	9251	129.227	-13.382	0.591	-0.122	7.31	754.901	1
9251_9251	9251	9251	7.995	1.413	-0.046	-0.074	-1.563	-96.347	1
9251_9252	9251	9252	126.576	-10.256	0.565	0.303	13.448	707.219	1
9252_9252	9252	9252	6.93	1.474	0.074	0.187	-1.911	-103.125	1
9252_9253	9252	9253	126.219	-12.459	-0.516	-2.106	11.979	695.434	1
9253_9253	9253	9253	6.587	1.474	0.065	0.15	-1.622	-106.421	1
9253_9254	9253	9254	124.947	-9.525	-0.536	-1.802	6.783	655.288	1
9254_9254	9254	9254	67.843	24.819	0.765	-2.026	-4.401	749.369	1
9254_9255	9254	9255	31.786	6.705	0.134	-0.467	-0.628	241.723	1
9255_9255	9255	9255	62.611	25.107	-0.325	-0.601	3.551	524.595	1
9255_9256	9255	9256	42.342	-31.127	0.674	-0.263	-3.039	714.006	1
9256_9256	9256	9256	61.224	10.029	0.477	0.426	0.898	842.287	1
9256_9257	9256	9257	62.185	-27.592	0.679	0.52	4.506	825.974	1
9257_9257	9257	9257	64.681	9.504	0.002	-0.143	6.184	747.509	1
9257_9258	9257	9258	71.522	-28.732	-0.092	-0.257	4.151	875.27	1
9258_9258	9258	9258	77.359	9.248	0.003	0.012	3.961	646.58	1
9258_9259	9258	9259	107.475	-25.522	-0.06	0.033	2.092	877.243	1
9259_9259	9259	9259	75.481	9.494	0.005	0.104	3.986	576.196	1
9259_9260	9259	9260	117.728	-22.9	-0.056	0.243	1.705	926.545	1
9260_9260	9260	9260	71.626	9.227	-0.037	-0.211	4.05	531.039	1
9260_9261	9260	9261	121.745	-22.963	0.018	-0.361	1.777	951.685	1

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9261_9261	9261	9261	71.751	9.293	-0.027	-0.079	2.976	481.584	1
9261_9262	9261	9262	136.375	-18.559	0.018	-0.062	1.607	967.062	1
9262_9262	9262	9262	61.668	9.278	-0.025	0.059	2.675	417.544	1
9262_9263	9262	9263	141.452	-14.651	0.024	0.291	1.897	1007.443	1
9263_9263	9263	9263	53.027	8.875	-0.014	-0.09	2.435	361.838	1
9263_9264	9263	9264	146.074	-11.932	0.013	-0.137	2.154	1045.191	1
9264_9264	9264	9264	43.201	8.803	-0.013	-0.033	2.276	297.987	1
9264_9265	9264	9265	145.468	-7.113	0.012	0.104	2.33	1048.089	1
9265_9265	9265	9265	33.857	8.449	-0.014	-0.087	2.11	235.1	1
9265_9266	9265	9266	142.528	-19.978	-0.006	-0.118	2.275	1037.725	1
9266_9266	9266	9266	43.963	-9.739	0.004	0.054	1.878	354.595	1
9266_9267	9266	9267	136.059	-15.539	-0.006	0.095	2.176	994.285	1
9267_9267	9267	9267	54.386	-10.148	-0.009	-0.075	1.921	420.362	1
9267_9268	9267	9268	131.727	-14.918	-0.054	-0.215	1.797	964.251	1
9268_9268	9268	9268	60.814	-10.148	-0.009	-0.048	1.858	460.899	1
9268_9269	9268	9269	126.05	-12.444	-0.049	-0.134	1.466	924.628	1
9269_9269	9269	9269	61.57	-10.18	-0.009	0.021	2.452	546.929	1
9269_9270	9269	9270	102.85	-9.154	-0.055	0.034	1.512	938.123	1
9270_9270	9270	9270	68.053	-10.585	-0.029	-0.25	2.339	616.035	1
9270_9271	9270	9271	83.699	-7.137	-0.095	-0.324	0.723	859.992	1
9271_9271	9271	9271	59.544	-10.954	-0.038	-0.231	3.194	760.109	1
9271_9272	9271	9272	54.848	-5.195	-0.122	-0.222	0.572	858.028	1
9272_9272	9272	9272	58.292	-11.197	-0.033	0.132	2.843	837.522	1
9272_9273	9272	9273	45.393	-3.925	-0.101	0.19	0.426	800.468	1
9273_9273	9273	9273	56.687	-11.521	0.139	-0.676	2.607	887.183	1
9273_9274	9273	9274	25.879	-1.106	0.059	-0.46	1.963	651.432	1
9274_9274	9274	9274	60.635	-28.405	-0.372	0.947	-2.103	505.301	1
9274_9275	9274	9275	23.347	-8.031	-0.028	0.254	-1.776	308.714	1
9275_9275	9275	9275	14.776	22.909	-0.136	-0.412	5.192	516.74	1
9275_9276	9275	9276	123.032	-24.961	-0.47	-0.025	15.099	689.905	1
9276_9276	9276	9276	13.947	1.098	-0.084	-0.196	2.18	-27.414	1
9276_9277	9276	9277	124.085	-23.429	-0.463	0.163	12.341	712.088	1
9277_9277	9277	9277	12.852	1.096	-0.081	-0.179	1.628	-28.742	1
9277_9278	9277	9278	125.619	-20.169	-0.397	0.44	6.486	729.341	1
9278_9278	9278	9278	12.063	1.039	-0.019	-0.084	0.879	-35.656	1
9278_9279	9278	9279	126.358	-17.988	-0.114	-0.419	4.23	759.936	1
9279_9279	9279	9279	11.133	1.039	-0.033	-0.119	0.667	-43.68	1
9279_9280	9279	9280	125.28	-13.427	-0.116	0.269	2.043	770.5	1
9280_9280	9280	9280	10.178	1.238	-0.008	-0.056	0.326	-53.646	1
9280_9281	9280	9281	125.541	-11.687	0.065	-0.457	2.274	783.613	1
9281_9281	9281	9281	9.038	1.23	-0.02	-0.103	0.201	-61.806	1
9281_9282	9281	9282	125.056	-22.166	0.067	0.398	1.609	759.572	1
9282_9282	9282	9282	10.255	1.36	-0.043	-0.018	0.031	-86.348	1
9282_9283	9282	9283	117.063	-19.423	0.035	-0.36	2.208	786.795	1
9283_9283	9283	9283	9.115	1.357	-0.071	-0.148	-0.508	-97.959	1
9283_9284	9283	9284	118.019	-15.328	0.025	0.668	2.125	755.249	1
9284_9284	9284	9284	8.061	1.585	-0.356	-0.001	-1.31	-109.094	1
9284_9285	9284	9285	120.235	-14.817	0.944	-0.246	11.999	735.989	1
9285_9285	9285	9285	6.982	1.558	-0.362	-0.098	-4.751	-117.188	1
9285_9286	9285	9286	121.528	-18.634	1.035	0.421	23.542	682.028	1
9286_9286	9286	9286	5.994	1.871	0.293	0.223	-8.15	-127.846	1
9286_9287	9286	9287	122.628	-20.311	-1.017	-1.055	20.16	676.889	1
9287_9287	9287	9287	6.345	1.874	0.31	0.278	-7.3	-136.984	1
9287_9288	9287	9288	124.885	-17.87	-1.098	-1.168	11.865	673.568	1
9288_9288	9288	9288	48.78	14.384	-1.535	2.146	7.56	1192.76	1
9288_9289	9288	9289	25.336	-30.026	-1.821	2.028	-15.442	624.357	1
9289_9289	9289	9289	52.147	8.453	0.938	-0.362	-8.569	1055.852	1
9289_9290	9289	9290	44.549	-32.939	1.028	-0.322	-2.727	831.094	1
9290_9290	9290	9290	57.227	8.525	0.938	0.414	2.531	961.35	1
9290_9291	9290	9291	64.468	-29.289	1.011	0.554	9.354	1011.64	1
9291_9291	9291	9291	59.138	7.448	-0.216	-0.537	13.445	874.508	1
9291_9292	9291	9292	71.908	-49.421	-0.061	-0.544	9.277	1100.155	1
9292_9292	9292	9292	68.922	7.466	-0.147	-0.014	8.531	785.884	1
9292_9293	9292	9293	99.501	-46.23	-0.026	0.133	6.165	1146.944	1
9293_9293	9293	9293	66.651	7.612	-0.146	0.193	7.354	741.176	1
9293_9294	9293	9294	110.831	-43.26	-0.014	0.507	6.188	1267.586	1
9294_9294	9294	9294	62.844	6.567	-0.057	-0.484	6.185	698.772	1
9294_9295	9294	9295	116.675	-45.83	-0.161	-0.739	5.674	1332.875	1
9295_9295	9295	9295	52.219	6.615	-0.087	-0.115	9.189	730.663	1
9295_9296	9295	9296	110.672	-42.505	-0.256	0.171	6.49	1597.038	1
9296_9296	9296	9296	48.599	6.59	-0.087	0.361	8.352	679.43	1
9296_9297	9296	9297	118.71	-39.462	-0.261	1.279	4.478	1709.921	1
9297_9297	9297	9297	45.679	6.022	-0.056	-0.394	7.642	638.82	1
9297_9298	9297	9298	129.264	-38.285	-0.059	-0.629	4.085	1857.64	1
9298_9298	9298	9298	41.956	6.022	-0.056	0.207	6.997	587.3	1
9298_9299	9298	9299	136.199	-34.258	-0.075	1.265	3.361	1954.82	1
9299_9299	9299	9299	38.513	5.537	-0.069	-0.405	6.451	538.058	1
9299_9300	9299	9300	142.448	-33.751	-0.061	-0.944	2.725	2041.939	1
9300_9300	9300	9300	35.298	5.531	-0.069	0.074	5.711	493.245	1
9300_9301	9300	9301	145.803	-28.809	-0.073	1.034	1.736	2088.242	1
9301_9301	9301	9301	31.49	5.21	-0.078	-0.409	4.828	440.573	1
9301_9302	9301	9302	148.584	-10.714	-0.063	-1.488	1.235	2126.919	1
9302_9302	9302	9302	28.169	5.191	-0.078	0.054	3.905	393.669	1
9302_9303	9302	9303	148.094	-6.13	-0.069	1.068	0.132	2119.995	1
9303_9303	9303	9303	24.9	4.945	-0.074	-0.336	2.986	346.321	1
9303_9304	9303	9304	145.625	-4.895	-0.053	-1.412	-0.715	2084.599	1
9304_9304	9304	9304	21.557	4.945	-0.074	-0.034	2.055	300.076	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9304_9305	9304	9305	139.308	-0.351	-0.056	0.732	-1.535	1995.017	1
9305_9305	9305	9305	18.655	4.844	-0.033	-0.351	1.223	257.243	1
9305_9306	9305	9306	130.797	1.103	-0.004	-1.864	-1.628	1873.837	1
9306_9306	9306	9306	15.781	4.748	-0.033	-0.081	0.834	214.12	1
9306_9307	9306	9307	115.61	6.656	-0.011	0.463	-1.842	1658.188	1
9307_9307	9307	9307	12.599	4.743	0.109	-0.252	0.389	167.338	1
9307_9308	9307	9308	96.99	9.749	0.079	-1.267	-0.829	1393.299	1
9308_9308	9308	9308	9.653	4.45	0.107	-0.141	1.599	119.558	1
9308_9309	9308	9309	73.907	21.074	0.07	-0.172	-0.092	1070.002	1
9309_9309	9309	9309	7.013	3.91	0.28	-0.176	2.614	73.785	1
9309_9310	9309	9310	44.751	25.662	0.163	-1.037	1.557	656.025	1
9310_9310	9310	9310	4.685	3.358	0.265	-0.12	5.529	36.078	1
9310_9311	9310	9311	9.209	31.83	0.117	-0.273	2.248	151.325	1
9311_9311	9311	9311	5.153	-12.26	2.217	-0.743	-7.355	7.997	1
9311_9312	9311	9312	2.587	-4.925	2.064	-0.54	0	17.946	1
9400_9020	9400	9020	107.226	-9.428	-12.83	-0.333	103.329	-99.185	1
9400_9401	9400	9401	21.047	1.199	0.068	0.024	-14.035	100.871	1
9401_9401	9401	9401	107.157	-8.764	-3.675	1.046	51.197	-60.589	1
9401_9402	9401	9402	21.007	1.276	0.933	-0.39	-10.588	96.409	1
9402_9402	9402	9402	107.33	-6.166	-3.885	0.056	38.366	-30.018	1
9402_9403	9402	9403	20.972	1.785	0.891	0.059	-0.815	76.922	1
9403_9403	9403	9403	102.67	-3.013	0.131	0.19	-3.012	37.304	1
9403_9404	9403	9404	21.36	2.474	0.112	-0.08	-0.035	59.508	1
9404_9404	9404	9404	102.713	-0.623	0.07	0.273	-2.046	59.027	1
9404_9405	9404	9405	21.296	2.97	0.098	-0.044	0.684	38.082	1
9405_9405	9405	9405	96.732	2.655	0.141	0.171	-0.67	63.515	1
9405_9406	9405	9406	22.633	3.821	-0.075	-0.069	-0.436	-16.901	1
9406_9406	9406	9406	91.71	5.922	1.302	0.251	2.13	25.252	1
9406_9407	9406	9407	23.948	4.694	-1.468	-0.138	-13.474	-58.593	1
9407_9407	9407	9407	91.571	7.802	1.24	-0.047	13.649	-27.176	1
9407_9408	9407	9408	23.846	5.184	-1.485	0.1	-21.744	-87.399	1
9408_9408	9408	9408	92.987	-7.322	4.481	-1.39	-29.283	-149.297	1
9408_9409	9408	9409	27.278	-0.267	1.437	-1.778	-18.013	-86.583	1
9409_9409	9409	9409	93.276	8.197	3.565	1.356	-15.701	-126.389	1
9409_9410	9409	9410	27.415	0.522	0.321	1.742	-17.04	-87.419	1
9410_9410	9410	9410	97.797	-11.567	0.589	-0.079	-5.562	-151.144	1
9410_9411	9410	9411	26.642	-5.084	1.16	-0.127	-10.223	-59.028	1
9411_9411	9411	9411	98.013	-9.568	0.426	-0.171	-2.232	-86.863	1
9411_9412	9411	9412	26.742	-4.54	1.114	-0.012	-0.319	-18.851	1
9412_9412	9412	9412	103.913	-6.066	-0.066	-0.141	0.681	-2.171	1
9412_9413	9412	9413	27.705	-3.578	0.057	-0.04	0.325	32.837	1
9413_9413	9413	9413	110.702	-2.649	0.11	-0.253	-1.223	85.313	1
9413_9414	9413	9414	28.663	-2.648	0.169	-0.052	1.347	51.926	1
9414_9414	9414	9414	110.734	-0.076	0.029	-0.167	-0.459	104.414	1
9414_9415	9414	9415	28.717	-1.981	0.147	-0.046	2.394	66.202	1
9415_9415	9415	9415	115.453	3.261	4.091	-0.023	-1.413	104.968	1
9415_9416	9415	9416	27.844	-1.098	1.733	0.074	21.106	77.915	1
9416_9416	9416	9416	115.335	6.113	4.148	-1.126	43.245	69.36	1
9416_9417	9416	9417	27.862	-0.409	1.747	-0.486	27.218	79.342	1
9417_9417	9417	9417	115.431	6.692	10.468	0.234	57.463	48.026	1
9417_9036	9417	9036	27.833	-0.317	-0.474	0.025	25.532	80.656	1
9420_9056	9420	9056	111.55	-7.764	-10.685	-0.18	82.192	-30.496	1
9420_9421	9420	9421	28.305	-0.204	0.631	0.019	14.434	58.178	1
9421_9421	9421	9421	111.447	-7.123	-2.924	0.773	38.833	1.303	1
9421_9422	9421	9422	28.315	-0.128	-0.94	0.216	11.057	58.62	1
9422_9422	9422	9422	111.583	-4.45	-3.011	0.107	28.651	26.144	1
9422_9423	9422	9423	28.309	0.551	-0.962	-0.003	0.566	52.605	1
9423_9423	9423	9423	105.801	-1.271	0.207	0.146	-2.96	74.733	1
9423_9424	9423	9424	27.934	1.379	-0.047	0.025	0.504	42.788	1
9424_9424	9424	9424	105.802	1.192	0.116	0.252	-1.438	83.893	1
9424_9425	9424	9425	27.895	2.028	-0.071	0.05	0.004	28.164	1
9425_9425	9425	9425	98.804	4.437	-0.066	0.139	0.477	75.297	1
9425_9426	9425	9426	26.24	2.89	-0.016	0.029	0.055	-13.502	1
9426_9426	9426	9426	92.995	7.451	0.806	0.204	0.442	13.065	1
9426_9427	9426	9427	24.645	3.755	-0.464	0.026	-3.797	-46.756	1
9427_9427	9427	9427	92.824	9.349	0.682	-0.018	7.549	-52.922	1
9427_9428	9427	9428	24.563	4.257	-0.497	0.044	-6.588	-70.424	1
9428_9428	9428	9428	88.014	-8.694	4.298	-0.958	-21.761	-101.429	1
9428_9429	9428	9429	24.115	-0.803	-0.857	-1.103	-9.024	-68.009	1
9429_9429	9429	9429	88.253	9.498	3.364	0.939	-8.771	-74.766	1
9429_9430	9429	9430	24.115	0.726	-1.58	1.091	-13.793	-70.004	1
9430_9430	9430	9430	93.3	-9.053	0.079	-0.087	0.827	-98.313	1
9430_9431	9430	9431	22.223	-3.795	0.961	-0.122	-7.695	-41.837	1
9431_9431	9431	9431	93.464	-7.152	-0.014	-0.159	1.286	-47.98	1
9431_9432	9431	9432	22.297	-3.343	0.939	-0.006	0.632	-12.244	1
9432_9432	9432	9432	99.099	-3.837	0.03	-0.145	0.234	15.347	1
9432_9433	9432	9433	22.865	-2.542	-0.015	-0.039	0.252	24.503	1
9433_9433	9433	9433	105.826	-0.594	-0.168	-0.243	-0.393	70.678	1
9433_9434	9433	9434	23.497	-1.777	-0.003	-0.055	0.055	37.308	1
9434_9434	9434	9434	105.81	1.913	-0.227	-0.163	-1.622	74.957	1
9434_9435	9434	9435	23.533	-1.22	-0.016	-0.035	-0.071	46.104	1
9435_9435	9435	9435	111.102	5.068	3.287	-0.083	-4.525	61.166	1
9435_9436	9435	9436	22.432	-0.507	1.566	0.026	16.852	51.488	1
9436_9436	9436	9436	110.948	7.809	3.109	-0.847	31.337	5.864	1
9436_9437	9436	9437	22.44	0.046	1.529	-0.306	22.168	51.334	1
9437_9437	9437	9437	111.041	8.384	10.793	0.202	41.884	-21.437	1
9437_9072	9437	9072	22.395	0.127	-0.524	0.033	20.453	50.81	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9440_9094	9440	9094	111.845	-8.112	-10.221	-0.19	72.567	-42.978	1
9440_9441	9440	9441	25.039	-0.08	0.393	-0.029	16.965	58.276	1
9441_9441	9441	9441	111.717	-7.485	-2.438	0.734	31.163	-9.75	1
9441_9442	9441	9442	25.069	0.009	-1.199	0.282	12.479	58.235	1
9442_9442	9442	9442	111.865	-4.775	-2.477	0.19	22.666	16.374	1
9442_9443	9442	9443	25.061	0.617	-1.208	0	-0.699	51.498	1
9443_9443	9443	9443	105.997	-1.582	0.185	0.232	-2.982	68.505	1
9443_9444	9443	9444	25.566	1.392	0.032	0.057	-0.212	41.607	1
9444_9444	9444	9444	106.006	0.835	0.206	0.253	-1.65	79.897	1
9444_9445	9444	9445	25.528	1.975	0.038	0.053	0.057	27.359	1
9445_9445	9445	9445	99.254	4.119	-0.111	0.171	0.985	73.868	1
9445_9446	9445	9446	24.629	2.816	0.015	0.047	0.506	-13.178	1
9446_9446	9446	9446	93.636	7.4	0.472	0.234	0.362	14.491	1
9446_9447	9446	9447	23.81	3.662	-0.649	0.054	-5.016	-45.662	1
9447_9447	9447	9447	93.458	9.397	0.229	0.01	4.485	-51.07	1
9447_9448	9447	9448	23.725	4.169	-0.712	0.048	-9.02	-68.796	1
9448_9448	9448	9448	88.125	-9.502	-3.437	-0.523	6.79	-104.01	1
9448_9449	9448	9449	24.237	-0.923	-0.272	-1.686	-9.984	-66.056	1
9449_9449	9449	9449	87.932	8.689	-3.697	0.528	-3.608	-75.381	1
9449_9450	9449	9450	24.207	0.758	-1.043	1.742	-13.151	-68.28	1
9450_9450	9450	9450	89.592	-8.831	-0.58	-0.087	8.627	-97.01	1
9450_9451	9450	9451	21.543	-4.181	0.943	-0.036	-7.39	-44.968	1
9451_9451	9451	9451	89.755	-6.987	-0.551	-0.183	5.395	-47.914	1
9451_9452	9451	9452	21.624	-3.737	0.951	0.13	1.025	-11.867	1
9452_9452	9452	9452	95.626	-3.848	0.092	-0.166	-0.474	13.977	1
9452_9453	9452	9453	20.603	-2.936	-0.054	0.077	0.205	30.733	1
9453_9453	9453	9453	102.628	-0.742	-0.159	-0.264	-0.283	69.452	1
9453_9454	9453	9454	19.441	-2.188	0.033	0.07	0.431	46.505	1
9454_9454	9454	9454	102.62	1.435	-0.176	-0.21	-1.401	78.546	1
9454_9455	9454	9455	19.487	-1.727	0.028	0.071	0.628	58.957	1
9455_9455	9455	9455	109.079	4.755	2.184	-0.206	-4.175	62.617	1
9455_9456	9455	9456	19.126	-1.086	-0.705	0	-7.047	70.41	1
9456_9456	9456	9456	108.935	7.368	2.085	-0.668	19.675	10.681	1
9456_9457	9456	9457	19.146	-0.627	-0.723	0.235	-9.583	72.595	1
9457_9457	9457	9457	109.054	7.988	10.731	0.172	26.308	-15.036	1
9457_9110	9457	9110	19.198	-0.548	-0.144	-0.032	-10.484	74.843	1
9460_9132	9460	9132	129.022	-10.387	-9.245	-0.149	64.342	-47.437	1
9460_9461	9460	9461	30.714	-0.931	0.565	-0.026	16.222	60.203	1
9461_9461	9461	9461	128.954	-9.696	-2.221	0.668	27.056	-4.912	1
9461_9462	9461	9462	30.734	-0.795	-1.172	0.314	11.795	62.973	1
9462_9462	9462	9462	129.152	-6.598	-2.105	0.178	19.31	28.913	1
9462_9463	9462	9463	30.745	-0.057	-1.143	-0.027	-0.704	63.596	1
9463_9463	9463	9463	124.634	-2.851	0.165	0.19	-2.344	100.967	1
9463_9464	9463	9464	31.923	0.924	0.04	0.035	-0.209	57.191	1
9464_9464	9464	9464	124.667	0.047	0.165	0.217	-1.151	121.511	1
9464_9465	9464	9465	31.892	1.666	0.04	0.04	0.084	45.177	1
9465_9465	9465	9465	119.572	4.066	-0.011	0.105	1.045	121.168	1
9465_9466	9465	9466	31.754	2.765	0.012	0.02	0.419	5.358	1
9466_9466	9466	9466	115.428	8.084	-0.628	0.05	1.826	62.586	1
9466_9467	9466	9467	31.729	3.873	-0.334	0.008	-2.378	-28.973	1
9467_9467	9467	9467	115.232	10.507	-0.762	0.119	-3.739	-9.061	1
9467_9468	9467	9468	31.64	4.539	-0.372	0.026	-4.458	-54.198	1
9468_9468	9468	9468	112.407	-12.734	-2.888	-0.006	-8.07	-75.467	1
9468_9469	9468	9469	32.433	-2.243	0.049	-0.628	-4.426	-47.419	1
9469_9469	9469	9469	102.251	12.593	3.179	-0.32	-15.175	-5.61	1
9469_9470	9469	9470	27.355	2.271	0.359	0.434	-3.252	-33.085	1
9470_9470	9470	9470	105.788	-8.697	0.442	-0.098	-5.588	-38.64	1
9470_9471	9470	9471	27.237	-3.471	0.244	-0.034	-1.848	-13.753	1
9471_9471	9471	9471	105.944	-6.519	0.565	-0.045	-3.129	9.693	1
9471_9472	9471	9472	27.303	-2.91	0.276	0.019	0.588	12.013	1
9472_9472	9472	9472	110.372	-2.787	0.006	-0.097	0.937	67.417	1
9472_9473	9472	9473	27.741	-1.942	-0.01	-0.006	0.259	40.012	1
9473_9473	9473	9473	115.747	0.85	-0.155	-0.203	0.001	107.603	1
9473_9474	9473	9474	28.216	-1	0.012	-0.018	0.15	47.177	1
9474_9474	9474	9474	115.701	3.281	-0.146	-0.174	-1.067	105.561	1
9474_9475	9474	9475	28.232	-0.343	0.012	-0.021	0.237	49.653	1
9475_9475	9475	9475	121.199	7.008	1.558	-0.201	-3.444	75.97	1
9475_9476	9475	9476	28.047	0.515	0.468	-0.013	5.185	43.816	1
9476_9476	9476	9476	120.997	9.914	1.449	-0.527	13.565	-0.559	1
9476_9477	9476	9477	28.027	1.188	0.442	-0.097	6.716	39.674	1
9477_9477	9477	9477	121.092	10.56	9.318	0.124	17.825	-35.134	1
9477_9148	9477	9148	28.031	1.27	-0.722	-0.022	3.795	34.476	1
9480_9168	9480	9168	123.326	-10.316	-9.603	-0.17	57.502	-65.316	1
9480_9481	9480	9481	31.176	-1.184	0.59	0.013	7.251	51.129	1
9481_9481	9481	9481	123.22	-9.747	-1.565	0.52	18.936	-23.093	1
9481_9482	9481	9482	31.169	-1.113	-0.507	0.137	5.488	55.017	1
9482_9482	9482	9482	123.425	-6.665	-1.565	0.184	13.471	10.999	1
9482_9483	9482	9483	31.187	-0.334	-0.507	0	-0.042	58.661	1
9483_9483	9483	9483	117.567	-3.138	0.238	0.094	-2.472	83.713	1
9483_9484	9483	9484	31.258	0.616	0.015	-0.018	0.243	54.261	1
9484_9484	9484	9484	117.609	-0.404	0.076	0.258	-0.705	106.328	1
9484_9485	9484	9485	31.235	1.342	-0.029	0.051	0.063	44.584	1
9485_9485	9485	9485	111.881	3.337	0.033	0.086	0.764	109.24	1
9485_9486	9485	9486	30.613	2.392	0.025	0.003	0.605	10.091	1
9486_9486	9486	9486	107.028	7.155	-0.719	0.03	2.133	61.123	1
9486_9487	9486	9487	29.984	3.481	-0.396	-0.031	-2.698	-20.816	1
9487_9487	9487	9487	106.859	9.355	-0.519	0.121	-4.232	-2.231	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9487_9488	9487	9488	29.907	4.098	-0.339	0.062	-4.564	-43.59	1
9488_9488	9488	9488	103.053	-12.055	-3.951	0.24	-7.196	-59.415	1
9488_9489	9488	9489	29.975	-2.171	-0.647	-0.548	-6.616	-37.024	1
9489_9489	9489	9489	104.056	12.804	3.734	-0.217	-18.797	-8.532	1
9489_9490	9489	9490	26.13	2.008	0.134	0.597	-4.699	-39.443	1
9490_9490	9490	9490	107.867	-9.09	0.597	-0.119	-7.511	-47.237	1
9490_9491	9490	9491	25.706	-3.448	0.347	-0.061	-2.65	-20.029	1
9491_9491	9491	9491	108.034	-6.821	0.722	-0.034	-4.194	3.281	1
9491_9492	9491	9492	25.772	-2.907	0.378	0.018	0.686	5.734	1
9492_9492	9492	9492	112.78	-3.054	-0.047	-0.09	1.315	63.737	1
9492_9493	9492	9493	26.021	-2.003	-0.027	-0.014	0.159	34.621	1
9493_9493	9493	9493	118.424	0.749	-0.071	-0.262	-0.239	107.739	1
9493_9494	9493	9494	26.317	-1.109	0.004	-0.057	0.075	42.617	1
9494_9494	9494	9494	118.375	3.501	-0.235	-0.102	-0.807	102.339	1
9494_9495	9494	9495	26.335	-0.497	-0.033	0.001	-0.182	46.198	1
9495_9495	9495	9495	124.078	7.123	1.613	-0.187	-3.621	77.111	1
9495_9496	9495	9496	25.815	0.319	0.704	-0.009	7.402	42.535	1
9496_9496	9496	9496	123.883	9.974	1.502	-0.51	14.004	-0.739	1
9496_9497	9496	9497	25.802	0.912	0.681	-0.14	9.758	39.365	1
9497_9497	9497	9497	123.94	10.739	9.892	0.2	18.505	-35.425	1
9497_9184	9497	9184	25.793	1.017	-0.644	-0.003	7.274	35.202	1
9500_9204	9500	9204	121.649	-8.196	-11.522	-0.389	74.09	-19.437	1
9500_9501	9500	9501	23.97	-0.051	0.311	0.019	9.176	56.678	1
9501_9501	9501	9501	121.555	-7.515	-1.903	0.653	27.565	14.149	1
9501_9502	9501	9502	23.973	0.031	-0.539	0.054	7.209	56.577	1
9502_9502	9502	9502	121.694	-4.598	-2.245	0.266	20.972	40.343	1
9502_9503	9502	9503	23.964	0.606	-0.607	0.042	0.622	49.951	1
9503_9503	9503	9503	114.919	-1.086	0.051	0.299	-2.471	90.549	1
9503_9504	9503	9504	23.824	1.336	-0.06	0.063	0.318	40.53	1
9504_9504	9504	9504	114.913	1.585	0.211	0.211	-2.144	98.378	1
9504_9505	9504	9505	23.787	1.889	-0.026	0	0.111	26.905	1
9505_9505	9505	9505	107.804	5.22	-0.01	0.16	0.32	86.947	1
9505_9506	9505	9506	22.935	2.672	-0.01	0.022	0.12	-11.59	1
9506_9506	9506	9506	101.652	8.765	0.297	0.193	0.984	11.731	1
9506_9507	9506	9507	22.099	3.45	-0.649	0.007	-5.5	-42.242	1
9507_9507	9507	9507	101.446	10.899	0.152	0.028	3.576	-65.96	1
9507_9508	9507	9508	22.021	3.913	-0.682	0.064	-9.315	-63.984	1
9508_9508	9508	9508	95.913	-9.594	-4.34	-1.264	5.219	-126.537	1
9508_9509	9508	9509	23.637	-1.277	1.253	-1.321	-7.464	-49.546	1
9509_9509	9509	9509	95.754	8.91	-4.573	1.11	-7.866	-97.74	1
9509_9510	9509	9510	23.661	1.417	0.763	1.325	-5.16	-53.87	1
9510_9510	9510	9510	89.122	-10.887	1.556	0.115	-20.417	-124.711	1
9510_9511	9510	9511	24.012	-3.576	0.388	-0.046	-2.859	-33.959	1
9511_9511	9511	9511	89.33	-9.052	1.391	0.244	-11.714	-64.216	1
9511_9512	9511	9512	24.081	-3.081	0.343	-0.047	0.2	-6.68	1
9512_9512	9512	9512	92.028	-1.007	0.048	-0.203	-0.257	34.272	1
9512_9513	9512	9513	25.201	-2.22	0.017	-0.043	0.271	25.4	1
9513_9513	9513	9513	98.689	1.605	-0.144	-0.28	-0.469	52.923	1
9513_9514	9513	9514	26.374	-1.362	0.033	-0.049	0.291	35.203	1
9514_9514	9514	9514	98.625	3.898	-0.133	-0.25	-1.513	41.348	1
9514_9515	9514	9515	26.399	-0.749	0.036	-0.06	0.549	40.598	1
9515_9515	9515	9515	104.864	6.963	2.095	-0.193	-3.428	13.251	1
9515_9516	9515	9516	26.87	0.05	0.678	-0.028	7.752	39.814	1
9516_9516	9516	9516	104.668	9.477	2.023	-0.704	19.457	-62.801	1
9516_9517	9516	9517	26.861	0.695	0.659	-0.186	10.04	37.392	1
9517_9517	9517	9517	104.857	10.14	11.712	0.541	26.028	-95.871	1
9517_9220	9517	9220	26.861	0.785	0.374	-0.003	11.569	34.181	1
9520_9240	9520	9240	119.424	-10.905	-2.054	-0.964	44.317	-126.251	1
9520_9521	9520	9521	32.74	-1.013	0.821	0.264	26.013	49.635	1
9521_9521	9521	9521	119.373	-10.193	-1.86	0.892	35.887	-81.238	1
9521_9522	9521	9522	33.229	-0.838	-1.508	0.426	20.62	52.566	1
9522_9522	9522	9522	119.583	-7.33	-1.851	0.191	29.411	-45.668	1
9522_9523	9522	9523	33.24	-0.042	-1.505	-0.072	4.179	53.025	1
9523_9523	9523	9523	115.074	-3.639	-0.432	0.35	9.549	34.502	1
9523_9524	9523	9524	33.967	0.967	-0.227	0.05	2.657	46.142	1
9524_9524	9524	9524	115.126	-0.967	-0.659	0.321	6.486	60.704	1
9524_9525	9524	9525	33.935	1.755	-0.295	0.08	0.562	33.488	1
9525_9525	9525	9525	109.208	2.787	-0.266	0.258	2.181	67.678	1
9525_9526	9525	9526	33.52	2.913	-0.225	0.065	-2.586	-8.519	1
9526_9526	9526	9526	103.645	6.662	-1.913	0.178	-1.145	27.477	1
9526_9527	9526	9527	33.278	4.226	-1.798	0.024	-18.368	-45.93	1
9527_9527	9527	9527	103.484	8.739	-2.238	0.446	-18.114	-31.459	1
9527_9528	9527	9528	33.181	4.891	-1.905	0.254	-29.019	-73.106	1
9528_9528	9528	9528	98.985	-12.145	-3.058	-4.833	-29.944	-79.897	1
9528_9529	9528	9529	33.943	-2.306	0.436	-3.692	-27.778	-65.836	1
9529_9529	9529	9529	98.298	10.148	-6.08	4.854	-39.212	-45.532	1
9529_9530	9529	9530	33.613	1.604	-1.66	3.849	-32.828	-72.4	1
9530_9530	9530	9530	96.106	-6.928	-2.63	0.244	45.141	-49.078	1
9530_9531	9530	9531	30.088	-4.9	2.063	-0.16	-20.826	-44.578	1
9531_9531	9531	9531	96.222	-4.976	-2.816	-0.395	30.523	-10.518	1
9531_9532	9531	9532	30.185	-4.29	2.003	0.178	-3.054	-6.602	1
9532_9532	9532	9532	101.382	-1.304	-0.118	-0.272	4.624	33.669	1
9532_9533	9532	9533	30.424	-2.997	0.026	-0.036	0.741	32.77	1
9533_9533	9533	9533	106.954	2.022	0.288	-0.346	1.956	54.339	1
9533_9534	9533	9534	31.92	-1.966	0.159	-0.119	1.607	46.937	1
9534_9534	9534	9534	106.878	4.521	-0.071	-0.305	3.98	39.769	1
9534_9535	9534	9535	31.957	-1.219	0.049	0.003	1.907	55.727	1

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9535_9535	9535	9535	112.588	7.9	-0.483	-0.26	2.554	7.257	1
9535_9536	9535	9536	33.466	-0.267	-0.11	-0.102	0.435	58.368	1
9536_9536	9536	9536	112.365	10.599	-0.703	-0.354	-2.681	-79.046	1
9536_9537	9536	9537	33.462	0.536	-0.177	0.005	-0.218	56.499	1
9537_9537	9537	9537	111.435	11.681	4.743	3.868	-5.943	-115.227	1
9537_9254	9537	9254	33.338	0.674	0.639	0.485	2.139	53.831	1
9540_9275	9540	9275	120.011	-10.767	-8.281	-0.226	89.664	-150.412	1
9540_9541	9540	9541	34.404	-1.646	2.05	0.449	20.327	43.641	1
9541_9541	9541	9541	117.911	-10.516	-3.058	1.447	55.488	-105.581	1
9541_9542	9541	9542	35.646	-1.158	-0.922	0.319	17.016	47.636	1
9542_9542	9542	9542	118.122	-7.687	-3.342	0.203	44.793	-68.929	1
9542_9543	9542	9543	35.661	-0.303	-1.009	0.027	6.036	50.931	1
9543_9543	9543	9543	114.091	-4.319	-0.357	0.466	8.353	15.22	1
9543_9544	9543	9544	35.708	0.753	-0.324	0.095	3.793	45.582	1
9544_9544	9544	9544	114.159	-1.721	-0.468	0.38	5.809	46.336	1
9544_9545	9544	9545	35.682	1.565	-0.359	0.053	1.217	34.281	1
9545_9545	9545	9545	109.403	1.688	-0.635	0.348	2.767	54.513	1
9545_9546	9545	9546	34.913	2.797	-0.398	0.075	-4.42	-6.061	1
9546_9546	9546	9546	105.537	5.862	-3.491	0.155	-6.005	30.056	1
9546_9547	9546	9547	34.607	4.277	-2.165	-0.009	-23.427	-43.984	1
9547_9547	9547	9547	105.395	7.964	-3.602	0.869	-36.91	-21.827	1
9547_9548	9547	9548	34.513	4.966	-2.202	0.413	-35.698	-71.606	1
9548_9548	9548	9548	101.141	-13.137	-1.744	-9.165	-57.017	-75.279	1
9548_9549	9548	9549	34.232	-2.55	0.355	-5.418	-34.626	-63.287	1
9549_9549	9549	9549	99.931	9.394	-6.602	9.421	-62.558	-42.147	1
9549_9550	9549	9550	33.652	1.292	-2.377	5.656	-41.894	-70.842	1
9550_9550	9550	9550	97.876	-8.591	-3.963	0.581	70.912	-63.472	1
9550_9551	9550	9551	28.71	-4.912	2.571	-0.246	-26.891	-41.848	1
9551_9551	9551	9551	98.034	-6.332	-4.282	-0.581	48.508	-14.783	1
9551_9552	9551	9552	28.823	-4.254	2.474	0.24	-6.001	-6.069	1
9552_9552	9552	9552	100.6	-1.723	-0.652	-0.354	11.501	38.929	1
9552_9553	9552	9553	28.355	-3.371	0.589	0.09	2.588	41.37	1
9553_9553	9553	9553	104.096	2.215	0.113	-0.355	1.374	63.261	1
9553_9554	9553	9554	27.458	-2.347	-0.032	0.078	2.459	57.852	1
9554_9554	9554	9554	104.005	4.883	0.144	-0.425	2.167	47.67	1
9554_9555	9554	9555	27.509	-1.642	-0.024	-0.002	2.3	69.41	1
9555_9555	9555	9555	107.462	8.743	0.346	-0.259	2.325	14.119	1
9555_9556	9555	9556	26.513	-0.655	-0.322	-0.028	-1.077	76.256	1
9556_9556	9556	9556	107.184	11.666	0.229	-0.511	6.022	-79.063	1
9556_9557	9556	9557	26.521	0.068	-0.352	0.086	-2.304	76.024	1
9557_9557	9557	9557	106.072	13.077	2.899	2.497	6.297	-117.67	1
9557_9288	9557	9288	26.589	0.212	-0.614	-0.769	-5.748	74.442	1
49000_9000	49000	9000	2.954	26.419	-2.812	-7.444	0	23.941	1
49000_9001	49000	9001	0.991	5.714	-3.065	-1.314	-25.436	-37.778	1
49001_9001	49001	9001	2.95	26.419	-2.816	-7.716	-23.341	-195.331	1
49001_9002	49001	9002	0.987	5.714	-3.066	-1.366	-52.704	-88.6	1
49002_9002	49002	9002	2.948	26.767	1.413	-7.192	-48.388	-430.302	1
49002_9003	49002	9003	0.984	5.521	1.404	-1.407	-35.743	-155.305	1
49003_9003	49003	9003	2.95	26.767	1.408	-8.513	-31.317	-753.718	1
49003_9004	49003	9004	0.987	5.521	1.402	-1.679	-18.792	-222.047	1
49004_9004	49004	9004	2.951	28.446	0.231	-5.778	-14.298	-1077.335	1
49004_9005	49004	9005	0.987	5.669	0.004	-1.341	-18.744	-290.523	1
49005_9005	49005	9005	2.951	28.446	0.226	-8.265	-11.511	-1420.923	1
49005_9006	49005	9006	0.987	5.669	0.002	-1.849	-18.717	-359.038	1
49006_9006	49006	9006	2.951	31.008	-0.095	-4.164	-8.785	-1764.725	1
49006_9007	49006	9007	0.987	5.675	-0.315	-1.261	-22.52	-427.617	1
49007_9007	49007	9007	2.951	31.008	-0.097	-5.919	-9.933	-2139.455	1
49007_9008	49007	9008	0.986	5.675	-0.315	-1.612	-26.332	-496.189	1
49008_9008	49008	9008	2.95	25.632	-0.24	-2.243	-11.11	-2514.139	1
49008_9009	49008	9009	0.985	5.815	-0.337	-1.227	-30.406	-566.489	1
49009_9009	49009	9009	2.951	-5.348	-0.24	-1.943	-14.017	-2824.027	1
49009_9010	49009	9010	0.986	5.815	-0.337	-1.167	-34.476	-636.735	1
49010_9010	49010	9010	2.95	-6.976	-0.486	3.591	-16.917	-2759.421	1
49010_9011	49010	9011	0.985	6.034	-0.35	-0.282	-38.703	-709.667	1
49011_9011	49011	9011	2.949	-20.197	-0.491	-0.801	-22.796	-2675.101	1
49011_9012	49011	9012	0.984	6.034	-0.351	-1.447	-42.948	-782.584	1
49012_9012	49012	9012	2.948	-40.003	-0.812	5.802	-28.733	-2431.031	1
49012_9013	49012	9013	0.984	6.327	-0.324	0.278	-46.866	-859.041	1
49013_9013	49013	9013	2.947	-40.003	-0.817	2.602	-38.548	-1947.657	1
49013_9014	49013	9014	0.984	6.327	-0.326	-1.133	-50.802	-935.481	1
49014_9014	49014	9014	2.947	-37.607	0.346	5.813	-48.419	-1464.378	1
49014_9015	49014	9015	0.983	6.661	-0.194	0.457	-53.819	-1039.027	1
49015_9015	49015	9015	3.307	-42.075	0.287	4.337	-44.096	-1099.45	1
49015_9016	49015	9016	0.923	6.669	-0.196	-0.598	-55.44	-1093.483	1
49016_9016	49016	9016	4.057	-51.159	1.489	5.929	-41.749	-1366.72	1
49016_9017	49016	9017	0.797	6.859	0.167	1.711	-50.895	-1145.609	1
49017_9017	49017	9017	5.464	-59.734	1.455	3.263	-23.317	-1394.581	1
49017_9018	49017	9018	0.627	6.876	0.165	0.413	-48.778	-1236.946	1
49018_9018	49018	9018	7.056	-63.084	-3.014	4.432	-5.693	-1006.797	1
49018_9019	49018	9019	0.462	-1.959	0.014	-0.368	30.934	458.441	1
49019_9019	49019	9019	8.908	-67.272	-2.509	4.073	-41.338	-626.36	1
49019_9020	49019	9020	0.513	-2.017	0.014	-0.423	31.849	498.744	1
49020_9020	49020	9020	20.573	-1.106	0.467	0.717	-43.924	-208.188	1
49020_9021	49020	9021	98.746	4.235	-4.934	-3.269	140.809	22.48	1
49021_9021	49021	9021	20.574	-1.106	0.419	0.16	-39.49	-192.708	1
49021_9022	49021	9022	98.734	4.235	-5.161	-1.97	100.865	13.573	1
49022_9022	49022	9022	20.574	-1.106	0.44	0.343	-36.246	-184.149	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49022_9023	49022	9023	98.74	4.235	-5.064	-1.984	61.572	-19.293	1
49023_9023	49023	9023	20.574	-1.004	0.509	0.64	-32.834	-175.566	1
49023_9024	49023	9024	98.72	4.545	-1.673	-2.591	48.19	-55.649	1
49024_9024	49024	9024	20.574	-1.004	0.509	0.64	-28.764	-167.537	1
49024_9025	49024	9025	98.72	4.545	-1.673	-2.591	34.809	-92.008	1
49025_9025	49025	9025	20.575	-1.004	0.483	0.442	-24.695	-159.508	1
49025_9026	49025	9026	98.717	4.545	-1.795	-2.705	20.448	-128.359	1
49026_9026	49026	9026	20.575	-0.98	0.489	0.864	-20.83	-151.479	1
49026_9027	49026	9027	98.716	4.829	-1.026	-1.928	14.295	-157.316	1
49027_9027	49027	9027	20.576	-0.98	0.451	0.596	-17.9	-145.602	1
49027_9028	49027	9028	98.714	4.829	-1.208	-2.218	7.042	-186.313	1
49028_9028	49028	9028	20.576	-0.98	0.454	0.622	-15.194	-139.714	1
49028_9029	49028	9029	98.715	4.829	-1.19	-2.184	-0.091	-215.266	1
49029_9029	49029	9029	20.576	-0.98	0.451	0.597	-12.469	-133.837	1
49029_9030	49029	9030	98.714	4.829	-1.208	-2.223	-7.343	-244.267	1
49030_9030	49030	9030	20.577	-0.94	0.453	0.824	-9.763	-127.951	1
49030_9031	49030	9031	98.711	5.016	-1.723	-1.696	-21.119	-284.371	1
49031_9031	49031	9031	20.577	-0.94	0.453	0.824	-6.14	-120.437	1
49031_9032	49031	9032	98.711	5.016	-1.723	-1.696	-34.895	-324.478	1
49032_9032	49032	9032	20.577	-0.94	0.425	0.668	-2.517	-112.925	1
49032_9033	49032	9033	98.709	5.016	-1.859	-2.142	-49.773	-364.627	1
49033_9033	49033	9033	20.579	-1.005	0.736	0.831	0.884	-105.404	1
49033_9034	49033	9034	98.701	5.169	-3.474	-0.456	-76.708	-404.709	1
49034_9034	49034	9034	20.579	-1.005	0.736	0.831	6.592	-97.61	1
49034_9035	49034	9035	98.701	5.169	-3.474	-0.456	-103.643	-444.783	1
49035_9035	49035	9035	20.581	-1.005	0.687	0.787	12.301	-94.93	1
49035_9036	49035	9036	98.693	5.169	-3.71	-2.439	-138.887	-518.399	1
49036_9036	49036	9036	40.699	46.297	3.063	-6.993	-69.631	1301.834	1
49036_9037	49036	9037	25.294	-11.168	0.463	-1.126	-41.105	-1320.247	1
49037_9037	49037	9037	39.491	46.188	2.952	-4.341	-31.55	768.445	1
49037_9038	49037	9038	25.581	-10.497	0.398	-3.291	-35.879	-1188.633	1
49038_9038	49038	9038	38.317	48.132	-1.191	-5.45	5.398	189.304	1
49038_9039	49038	9039	25.844	-9.64	-0.165	-0.611	-38.231	-1060.8	1
49039_9039	49039	9039	37.108	49.069	-1.257	-5.896	-10.506	-445.604	1
49039_9040	49039	9040	26.075	-8.995	-0.214	-1.596	-40.696	-952.467	1
49040_9040	49040	9040	36.321	47.92	-0.983	-5.436	-25.971	-776.794	1
49040_9041	49040	9041	26.23	-8.197	-0.135	-0.617	-41.833	-884.884	1
49041_9041	49041	9041	35.891	39.724	-0.979	-4.716	-34.128	-1162.012	1
49041_9042	49041	9042	26.302	-7.962	-0.132	-0.1	-43.831	-757.147	1
49042_9042	49042	9042	35.89	5.713	0.153	-1.332	-48.93	-1762.626	1
49042_9043	49042	9043	26.302	-7.538	0.279	0.681	-40.516	-667.571	1
49043_9043	49043	9043	35.89	5.713	0.126	-2.721	-47.113	-1830.517	1
49043_9044	49043	9044	26.302	-7.538	0.259	0.174	-37.441	-578.078	1
49044_9044	49044	9044	35.891	-7.912	0.089	1.932	-45.623	-1898.34	1
49044_9045	49044	9045	26.303	-7.28	0.202	1.06	-35.044	-491.586	1
49045_9045	49045	9045	35.891	-27.257	0.059	0.419	-44.565	-1804.35	1
49045_9046	49045	9046	26.303	-7.28	0.18	0.648	-32.91	-405.102	1
49046_9046	49046	9046	35.891	-24.173	0.049	3.943	-43.866	-1480.567	1
49046_9047	49046	9047	26.303	-7.138	0.175	1.27	-30.826	-320.328	1
49047_9047	49047	9047	35.891	-24.173	0.019	2.942	-43.279	-1193.461	1
49047_9048	49047	9048	26.303	-7.138	0.153	1.001	-29.005	-235.56	1
49048_9048	49048	9048	35.891	-22.175	-0.004	4.638	-43.05	-906.379	1
49048_9049	49048	9049	26.304	-7.091	0.14	1.313	-27.337	-151.361	1
49049_9049	49049	9049	35.891	-22.175	-0.034	4.098	-43.098	-643.064	1
49049_9050	49049	9050	26.304	-7.091	0.118	1.186	-25.931	-67.166	1
49050_9050	49050	9050	35.891	-21.21	0.649	4.207	-43.503	-379.771	1
49050_9051	49050	9051	26.304	-7.179	0.317	1.096	-21.126	41.485	1
49051_9051	49051	9051	36.072	-20.902	0.615	4.495	-33.651	-61.951	1
49051_9052	49051	9052	26.365	-6.954	0.293	1.341	-18.699	96.523	1
49052_9052	49052	9052	36.404	-20.191	0.644	3.262	-28.542	110.451	1
49052_9053	49052	9053	26.48	-6.743	0.29	0.751	-15.284	175.764	1
49053_9053	49053	9053	36.909	-19.252	0.636	4.078	-20.866	336.335	1
49053_9054	49053	9054	26.644	-6.063	0.284	1.272	-11.478	247.854	1
49054_9054	49054	9054	37.379	-18.1	-1.151	2.648	-12.448	591.789	1
49054_9055	49054	9055	26.794	-5.457	0.108	0.716	-10.149	316.246	1
49055_9055	49055	9055	37.858	-18.878	-1.355	4.312	-28.389	858.127	1
49055_9056	49055	9056	26.928	-4.755	0.087	1.232	-9.004	375.985	1
49056_9056	49056	9056	19.994	-1.23	0.263	0.742	-21.929	-185.2	1
49056_9057	49056	9057	82.336	5.592	-4.588	-2.898	120.513	85.367	1
49057_9057	49057	9057	19.995	-1.23	0.227	0.416	-19.429	-172.374	1
49057_9058	49057	9058	82.328	5.592	-4.736	-2.474	83.797	46.714	1
49058_9058	49058	9058	19.995	-1.23	0.201	0.206	-17.668	-162.836	1
49058_9059	49058	9059	82.321	5.592	-4.842	-2.414	46.263	3.366	1
49059_9059	49059	9059	19.995	-1.147	0.163	0.734	-16.107	-153.298	1
49059_9060	49059	9060	82.31	5.807	-1.337	-2.827	35.58	-43.046	1
49060_9060	49060	9060	19.995	-1.147	0.136	0.54	-14.805	-144.13	1
49060_9061	49060	9061	82.308	5.807	-1.447	-2.884	24.003	-89.505	1
49061_9061	49061	9061	19.995	-1.147	0.136	0.54	-13.716	-134.951	1
49061_9062	49061	9062	82.308	5.807	-1.447	-2.884	12.425	-135.969	1
49062_9062	49062	9062	19.996	-1.125	0.089	0.661	-12.626	-125.773	1
49062_9063	49062	9063	82.304	6.043	-1.059	-2.409	6.064	-172.254	1
49063_9063	49063	9063	19.996	-1.125	0.124	0.873	-12.093	-119.013	1
49063_9064	49063	9064	82.306	6.043	-0.913	-2.102	0.593	-208.494	1
49064_9064	49064	9064	19.996	-1.125	0.058	0.5	-11.347	-112.268	1
49064_9065	49064	9065	82.303	6.043	-1.186	-2.796	-6.519	-244.714	1
49065_9065	49065	9065	19.996	-1.125	0.089	0.663	-11	-105.52	1
49065_9066	49065	9066	82.304	6.043	-1.059	-2.418	-12.881	-281.01	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49066_9066	49066	9066	19.996	-1.096	0.107	0.83	-10.467	-98.764	1
49066_9067	49066	9067	82.302	6.217	-1.479	-1.852	-24.714	-330.741	1
49067_9067	49067	9067	19.996	-1.096	0.082	0.718	-9.614	-89.997	1
49067_9068	49067	9068	82.3	6.217	-1.582	-2.265	-37.368	-380.467	1
49068_9068	49068	9068	19.996	-1.096	0.082	0.718	-8.961	-81.23	1
49068_9069	49068	9069	82.3	6.217	-1.582	-2.265	-50.021	-430.196	1
49069_9069	49069	9069	19.998	-1.158	0.441	0.8	-8.307	-72.465	1
49069_9070	49069	9070	82.292	6.45	-2.898	-1.039	-72.474	-480.175	1
49070_9070	49070	9070	19.998	-1.158	0.44	0.795	-4.888	-63.495	1
49070_9071	49070	9071	82.292	6.45	-2.905	-1.081	-95.012	-530.215	1
49071_9071	49071	9071	19.999	-1.158	0.404	0.726	-1.479	-55.881	1
49071_9072	49071	9072	82.287	6.45	-3.051	-2.23	-124	-597.11	1
49072_9072	49072	9072	33.73	47.579	3.129	-6.632	-73.273	1147.6	1
49072_9073	49072	9073	14.74	0.481	-0.074	0.581	30.086	373.21	1
49073_9073	49073	9073	32.511	46.464	3.035	-4.789	-34.024	627.715	1
49073_9074	49073	9074	14.722	0.867	-0.099	0.406	28.809	362.342	1
49074_9074	49074	9074	31.354	48.419	-1.399	-5.428	3.938	45.022	1
49074_9075	49074	9075	14.699	1.301	-0.117	0.278	27.234	345.078	1
49075_9075	49075	9075	30.124	46.352	-1.454	-5.854	-15.297	-423.152	1
49075_9076	49075	9076	14.66	1.679	-0.149	0.4	25.455	329.979	1
49076_9076	49076	9076	29.387	48.627	-0.831	-4.438	-32.489	-960.873	1
49076_9077	49076	9077	14.631	1.929	-0.158	0.231	24.157	314.072	1
49077_9077	49077	9077	28.969	39.677	-0.841	-4.9	-39.374	-1371.999	1
49077_9078	49077	9078	14.614	2.055	-0.163	0.082	21.923	280.742	1
49078_9078	49078	9078	28.969	7.171	0.37	-1.422	-50.911	-1916.125	1
49078_9079	49078	9079	14.614	2.078	-0.167	-0.067	20.06	257.559	1
49079_9079	49079	9079	28.969	6.227	0.343	-3.309	-46.78	-1996.137	1
49079_9080	49079	9080	14.614	2.078	-0.181	0.176	18.042	234.356	1
49080_9080	49080	9080	28.969	-0.556	0.097	0.484	-42.951	-2065.681	1
49080_9081	49080	9081	14.613	2.064	-0.166	-0.061	16.189	211.313	1
49081_9081	49081	9081	28.969	-26.788	0.097	0.484	-41.866	-2059.474	1
49081_9082	49081	9082	14.613	2.064	-0.166	-0.061	14.335	188.27	1
49082_9082	49082	9082	28.97	-23.496	0.005	3.277	-40.78	-1760.342	1
49082_9083	49082	9083	14.613	2.044	-0.161	-0.222	12.403	163.722	1
49083_9083	49083	9083	28.969	-23.496	-0.018	2.111	-40.72	-1478.233	1
49083_9084	49083	9084	14.613	2.044	-0.172	-0.093	10.334	139.197	1
49084_9084	49084	9084	28.97	-21.206	0.033	4.28	-40.933	-1196.373	1
49084_9085	49084	9085	14.613	2.024	-0.152	-0.291	8.641	116.596	1
49085_9085	49085	9085	28.97	-21.206	0.007	3.421	-40.569	-959.634	1
49085_9086	49085	9086	14.612	2.024	-0.165	-0.186	6.802	93.996	1
49086_9086	49086	9086	28.97	-19.739	-0.104	4.474	-40.493	-722.905	1
49086_9087	49086	9087	14.612	1.998	-0.103	-0.337	5.653	71.678	1
49087_9087	49087	9087	28.969	-19.739	-0.129	4.047	-41.661	-502.369	1
49087_9088	49087	9088	14.612	1.998	-0.115	-0.276	4.366	49.38	1
49088_9088	49088	9088	28.97	-19.039	0.647	3.999	-43.103	-282.043	1
49088_9089	49088	9089	14.612	1.96	-0.343	-0.4	-0.155	23.535	1
49089_9089	49089	9089	29.135	-18.786	0.626	4.153	-34.545	-25.252	1
49089_9090	49089	9090	14.594	2.088	-0.353	-0.311	-3.075	9.213	1
49090_9090	49090	9090	29.453	-19.805	0.775	3.112	-30.538	111.14	1
49090_9091	49090	9091	14.555	2.316	-0.213	-0.44	-5.589	-17.984	1
49091_9091	49091	9091	29.944	-19.056	0.741	4.179	-21.321	338.972	1
49091_9092	49091	9092	14.636	-5.861	0.338	1.242	-4.525	225.421	1
49092_9092	49092	9092	30.427	-19.225	-1.205	2.028	-11.532	603.762	1
49092_9093	49092	9093	14.782	-5.499	0.075	0.557	-3.609	294.349	1
49093_9093	49093	9093	30.933	-20.088	-1.433	5.042	-28.202	878.366	1
49093_9094	49093	9094	14.921	-5.11	0.041	1.353	-3.007	358.557	1
49094_9094	49094	9094	22.291	0.806	-0.429	-0.589	6.262	-53.866	1
49094_9095	49094	9095	84.252	4.951	-4.367	-2.93	114.873	24.994	1
49095_9095	49095	9095	22.291	0.806	-0.464	-0.662	2.189	-60.409	1
49095_9096	49095	9096	84.245	4.951	-4.499	-2.666	79.979	-9.189	1
49096_9096	49096	9096	22.291	0.806	-0.463	-0.659	-1.407	-66.664	1
49096_9097	49096	9097	84.245	4.951	-4.495	-2.666	45.161	-47.538	1
49097_9097	49097	9097	22.289	0.771	-0.091	-0.561	-4.991	-72.908	1
49097_9098	49097	9098	84.228	5.193	-1.379	-2.765	34.118	-89.104	1
49098_9098	49098	9098	22.289	0.771	-0.118	-0.656	-5.718	-79.078	1
49098_9099	49098	9099	84.226	5.193	-1.481	-2.872	22.279	-130.616	1
49099_9099	49099	9099	22.289	0.771	-0.119	-0.66	-6.659	-85.241	1
49099_9100	49099	9100	84.226	5.193	-1.485	-2.878	10.395	-172.184	1
49100_9100	49100	9100	22.288	0.793	-0.122	-0.519	-7.608	-91.411	1
49100_9101	49100	9101	84.223	5.487	-1.232	-2.25	3.001	-205.117	1
49101_9101	49101	9101	22.288	0.793	-0.121	-0.513	-8.34	-96.174	1
49101_9102	49101	9102	84.223	5.487	-1.227	-2.239	-4.352	-238	1
49102_9102	49102	9102	22.288	0.793	-0.122	-0.519	-9.064	-100.93	1
49102_9103	49102	9103	84.223	5.487	-1.232	-2.252	-11.746	-270.938	1
49103_9103	49103	9103	22.288	0.793	-0.159	-0.695	-9.796	-105.692	1
49103_9104	49103	9104	84.221	5.487	-1.372	-2.703	-19.981	-303.871	1
49104_9104	49104	9104	22.288	0.806	-0.144	-0.403	-10.751	-110.456	1
49104_9105	49104	9105	84.22	5.699	-1.582	-1.733	-32.624	-349.426	1
49105_9105	49105	9105	22.288	0.806	-0.173	-0.553	-11.9	-116.902	1
49105_9106	49105	9106	84.218	5.699	-1.69	-2.183	-46.151	-395.033	1
49106_9106	49106	9106	22.288	0.806	-0.172	-0.549	-13.281	-123.356	1
49106_9107	49106	9107	84.218	5.699	-1.687	-2.168	-59.635	-440.586	1
49107_9107	49107	9107	22.287	0.867	-0.248	-0.33	-14.653	-129.803	1
49107_9108	49107	9108	84.211	5.911	-2.666	-1.169	-80.308	-486.416	1
49108_9108	49108	9108	22.287	0.867	-0.248	-0.33	-16.574	-136.524	1
49108_9109	49108	9109	84.211	5.911	-2.666	-1.169	-100.981	-532.242	1
49109_9109	49109	9109	22.287	0.867	-0.27	-0.491	-18.495	-144.512	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49109_9110	49109	9110	84.209	5.911	-2.752	-1.868	-127.136	-593.199	1
49110_9110	49110	9110	39.921	34.21	2.882	-6.626	-86.265	1318.651	1
49110_9111	49110	9111	14.889	-9.797	0.799	-1.717	-57.583	-1279.288	1
49111_9111	49111	9111	39.031	33.553	2.713	-3.741	-49.784	909.737	1
49111_9112	49111	9112	15.142	-9.403	0.773	-2.272	-47.757	-1161.38	1
49112_9112	49112	9112	38.205	32.977	-0.906	-5.944	-16.774	535.887	1
49112_9113	49112	9113	15.381	-8.733	-0.026	-1.064	-48.139	-1045.595	1
49113_9113	49113	9113	37.371	32.271	-0.911	-4.765	-29.101	153.297	1
49113_9114	49113	9114	15.597	-8.341	-0.046	-1.182	-48.656	-944.935	1
49114_9114	49114	9114	36.859	31.918	-0.476	-5.678	-39.458	-159.507	1
49114_9115	49114	9115	15.738	-7.819	0.127	-0.456	-47.619	-880.425	1
49115_9115	49115	9115	36.579	31.781	-0.483	-5.381	-43.314	-404.909	1
49115_9116	49115	9116	15.806	-7.681	0.124	-0.195	-45.917	-775.837	1
49116_9116	49116	9116	36.579	33.999	0.458	-3.756	-49.941	-840.708	1
49116_9117	49116	9117	15.806	-7.325	0.382	0.869	-41.655	-694.077	1
49117_9117	49117	9117	36.58	33.999	0.392	-5.961	-44.831	-1220.2	1
49117_9118	49117	9118	15.807	-7.325	0.353	-0.385	-37.708	-612.247	1
49118_9118	49118	9118	36.58	37.629	0.375	-0.737	-40.454	-1600.031	1
49118_9119	49118	9119	15.807	-7.112	0.334	1.169	-33.978	-532.867	1
49119_9119	49119	9119	36.581	0.829	0.309	-4.384	-36.265	-2020.028	1
49119_9120	49119	9120	15.808	-7.112	0.306	0.207	-30.564	-453.419	1
49120_9120	49120	9120	36.581	5.469	0.19	2.368	-32.81	-2029.297	1
49120_9121	49120	9121	15.808	-6.934	0.322	1.273	-26.703	-370.278	1
49121_9121	49121	9121	36.581	-10.364	0.129	-1.148	-30.529	-2094.878	1
49121_9122	49121	9122	15.808	-6.934	0.295	0.652	-23.158	-287.07	1
49122_9122	49122	9122	36.581	-28.937	0.104	5.923	-28.983	-1970.496	1
49122_9123	49122	9123	15.808	-6.859	0.32	1.422	-19.586	-210.45	1
49123_9123	49123	9123	36.581	-36.215	0.006	1.499	-27.822	-1647.252	1
49123_9124	49123	9124	15.809	-6.859	0.277	0.857	-16.489	-133.837	1
49124_9124	49124	9124	36.581	-33.02	-0.048	6.031	-27.759	-1242.715	1
49124_9125	49124	9125	15.809	-6.833	0.263	1.233	-13.551	-57.576	1
49125_9125	49125	9125	36.581	-33.02	-0.114	4.458	-28.293	-874.202	1
49125_9126	49125	9126	15.81	-6.833	0.235	1.13	-10.929	18.749	1
49126_9126	49126	9126	36.582	-31.239	0.952	5.502	-29.563	-505.36	1
49126_9127	49126	9127	15.81	-6.896	0.485	1.074	-4.431	111.091	1
49127_9127	49127	9127	36.855	-32.694	0.915	5.361	-17.132	-136.981	1
49127_9128	49127	9128	15.869	-6.761	0.463	1.146	-0.605	170.954	1
49128_9128	49128	9128	37.365	-31.421	1.132	4.17	-9.533	132.419	1
49128_9129	49128	9129	15.982	-6.677	0.411	0.626	4.229	249.428	1
49129_9129	49129	9129	38.218	-34.324	1.159	5.722	4.648	405.491	1
49129_9130	49129	9130	16.149	-6.265	0.378	1.157	9.288	327.525	1
49130_9130	49130	9130	39.044	-34.029	-1.998	4.024	20.896	840.27	1
49130_9131	49130	9131	16.299	-5.824	0.329	0.758	13.425	400.529	1
49131_9131	49131	9131	39.967	-36.368	-2.291	5.406	-5.472	1241.52	1
49131_9132	49131	9132	16.446	-5.521	0.326	0.737	18.16	478.301	1
49132_9132	49132	9132	21.994	0.023	-0.293	-0.646	-4.938	-104.589	1
49132_9133	49132	9133	89.374	1.689	-4.123	-2.982	79.214	-141.349	1
49133_9133	49133	9133	21.995	0.023	-0.264	-0.455	-7.719	-100.121	1
49133_9134	49133	9134	89.38	1.689	-4.008	-1.947	48.151	-135.407	1
49134_9134	49134	9134	21.994	0.023	-0.293	-0.584	-9.769	-100.294	1
49134_9135	49134	9135	89.374	1.689	-4.123	-2.121	16.195	-148.491	1
49135_9135	49135	9135	21.995	-0.024	0.021	-0.418	-12.038	-100.47	1
49135_9136	49135	9136	89.379	2.14	-0.757	-1.996	10.136	-165.612	1
49136_9136	49136	9136	21.995	-0.024	-0.006	-0.543	-11.869	-100.281	1
49136_9137	49136	9137	89.378	2.14	-0.869	-2.203	3.183	-182.727	1
49137_9137	49137	9137	21.995	-0.024	-0.006	-0.543	-11.919	-100.092	1
49137_9138	49137	9138	89.378	2.14	-0.869	-2.203	-3.77	-199.845	1
49138_9138	49138	9138	21.995	-0.011	0.009	-0.317	-11.969	-99.905	1
49138_9139	49138	9139	89.379	2.438	-0.479	-1.409	-6.642	-214.474	1
49139_9139	49139	9139	21.995	-0.011	-0.028	-0.484	-11.916	-99.839	1
49139_9140	49139	9140	89.378	2.438	-0.628	-1.767	-10.407	-229.098	1
49140_9140	49140	9140	21.995	-0.011	-0.028	-0.484	-12.084	-99.775	1
49140_9141	49140	9141	89.378	2.438	-0.628	-1.767	-14.173	-243.725	1
49141_9141	49141	9141	21.995	-0.011	0.009	-0.317	-12.251	-99.711	1
49141_9142	49141	9142	89.379	2.438	-0.479	-1.361	-17.045	-258.354	1
49142_9142	49142	9142	21.995	-0.002	-0.032	-0.376	-12.198	-99.646	1
49142_9143	49142	9143	89.378	2.607	-1.005	-1.365	-25.082	-279.206	1
49143_9143	49143	9143	21.995	-0.002	-0.005	-0.251	-12.456	-99.63	1
49143_9144	49143	9144	89.379	2.607	-0.893	-1.016	-32.226	-300.061	1
49144_9144	49144	9144	21.995	-0.002	-0.032	-0.376	-12.495	-99.613	1
49144_9145	49144	9145	89.378	2.607	-1.005	-1.392	-40.263	-320.914	1
49145_9145	49145	9145	21.995	0.02	-0.097	-0.286	-12.754	-99.596	1
49145_9146	49145	9146	89.377	2.664	-1.909	-0.845	-55.054	-341.557	1
49146_9146	49146	9146	21.995	0.02	-0.069	-0.157	-13.505	-99.749	1
49146_9147	49146	9147	89.379	2.664	-1.793	-0.404	-68.951	-362.201	1
49147_9147	49147	9147	21.995	0.02	-0.097	-0.305	-14.036	-104.278	1
49147_9148	49147	9148	89.377	2.664	-1.909	-1.251	-87.082	-405.29	1
49148_9148	49148	9148	62.983	30.733	2.464	-4.59	-51.622	1441.14	1
49148_9149	49148	9149	30.351	-10.938	0.629	-1.919	-36.676	-1112.633	1
49149_9149	49149	9149	62.157	31.982	2.434	-4.014	-20.663	1057.283	1
49149_9150	49149	9150	30.627	-10.138	0.629	-0.957	-28.832	-985.541	1
49150_9150	49150	9150	61.396	32.99	-0.988	-4.913	8.934	681.317	1
49150_9151	49150	9151	30.876	-9.295	-0.111	-1.388	-30.261	-862.228	1
49151_9151	49151	9151	60.533	34.551	-0.937	-4.713	-4.299	262.656	1
49151_9152	49151	9152	31.103	-8.501	-0.084	0.148	-31.297	-752.326	1
49152_9152	49152	9152	59.973	36.61	-0.651	-5.322	-15.381	-143.437	1
49152_9153	49152	9153	31.239	-7.824	0.088	-0.395	-30.554	-687.772	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49153_9153	49153	9153	59.666	34.443	-0.591	-4.775	-20.573	-321.294	1
49153_9154	49153	9154	31.304	-7.558	0.111	0.355	-29.03	-580.697	1
49154_9154	49154	9154	59.666	36.777	0.035	-3.365	-28.697	-794.893	1
49154_9155	49154	9155	31.304	-7.351	0.201	0.745	-26.819	-499.841	1
49155_9155	49155	9155	59.666	36.777	-0.02	-4.456	-28.317	-1199.433	1
49155_9156	49155	9156	31.305	-7.351	0.172	0.29	-24.922	-418.985	1
49156_9156	49156	9156	59.666	3.481	0.056	-0.391	-28.533	-1603.981	1
49156_9157	49156	9157	31.304	-7.236	0.224	0.965	-22.678	-346.62	1
49157_9157	49157	9157	59.666	3.481	-0.004	-2.03	-27.973	-1638.793	1
49157_9158	49157	9158	31.305	-7.236	0.193	0.619	-20.746	-274.256	1
49158_9158	49158	9158	59.666	7.233	0	2.556	-28.01	-1673.608	1
49158_9159	49158	9159	31.304	-7.181	0.192	1.04	-18.822	-202.447	1
49159_9159	49159	9159	59.666	-29.567	-0.06	0.81	-28.012	-1745.937	1
49159_9160	49159	9160	31.305	-7.181	0.161	0.838	-17.211	-130.639	1
49160_9160	49160	9160	59.666	-32.116	0.03	4.196	-28.61	-1450.264	1
49160_9161	49160	9161	31.304	-7.167	0.199	0.978	-15.024	-51.869	1
49161_9161	49161	9161	59.666	-35.465	0.03	4.195	-28.285	-1097.306	1
49161_9162	49161	9162	31.304	-7.167	0.199	0.978	-12.835	26.972	1
49162_9162	49162	9162	59.666	-33.366	0.659	4.783	-27.959	-707.197	1
49162_9163	49162	9163	31.305	-7.227	0.226	0.896	-9.725	126.339	1
49163_9163	49163	9163	59.946	-32.86	0.731	5.296	-18.859	-252.639	1
49163_9164	49163	9164	31.364	-6.961	0.264	0.843	-7.54	181.552	1
49164_9164	49164	9164	60.449	-31.117	0.878	4.535	-12.766	18.459	1
49164_9165	49164	9165	31.476	-6.596	0.278	0.688	-4.259	259.076	1
49165_9165	49165	9165	61.22	-29.571	0.923	4.545	-2.337	368.712	1
49165_9166	49165	9166	31.633	-5.794	0.302	0.679	-0.239	327.816	1
49166_9166	49166	9166	61.92	-28.688	-2.097	3.243	10.845	749.197	1
49166_9167	49166	9167	31.767	-4.97	0.123	0.381	1.299	390.115	1
49167_9167	49167	9167	62.649	-27.053	-2.145	4.53	-15.267	1108.805	1
49167_9168	49167	9168	31.886	-4.135	0.098	0.657	2.573	442.063	1
49168_9168	49168	9168	16.495	-0.064	0.166	0.251	-14.936	-82.697	1
49168_9169	49168	9169	79.861	-3.48	1.957	1.183	-62.23	-353.943	1
49169_9169	49169	9169	16.495	-0.064	0.148	0.134	-13.362	-78.651	1
49169_9170	49169	9170	79.863	-3.48	1.873	0.42	-47.715	-310.343	1
49170_9170	49170	9170	16.495	-0.064	0.17	0.235	-12.211	-78.152	1
49170_9171	49170	9171	79.86	-3.48	1.976	0.821	-32.4	-283.373	1
49171_9171	49171	9171	16.495	-0.044	0.071	0.246	-10.896	-77.654	1
49171_9172	49171	9172	79.863	-3.444	0.886	1.128	-25.31	-255.821	1
49172_9172	49172	9172	16.495	-0.044	0.091	0.342	-10.332	-77.298	1
49172_9173	49172	9173	79.862	-3.444	0.986	1.448	-17.42	-228.266	1
49173_9173	49173	9173	16.495	-0.044	0.071	0.246	-9.602	-76.942	1
49173_9174	49173	9174	79.863	-3.444	0.886	1.163	-10.329	-200.714	1
49174_9174	49174	9174	16.495	-0.041	0.046	0.297	-9.038	-76.586	1
49174_9175	49174	9175	79.863	-3.337	0.517	1.43	-7.228	-180.691	1
49175_9175	49175	9175	16.495	-0.041	0.074	0.424	-8.759	-76.337	1
49175_9176	49175	9176	79.862	-3.337	0.65	1.731	-3.328	-160.666	1
49176_9176	49176	9176	16.495	-0.041	0.046	0.297	-8.315	-76.09	1
49176_9177	49176	9177	79.863	-3.337	0.517	1.463	-0.226	-140.646	1
49177_9177	49177	9177	16.495	-0.041	0.046	0.297	-8.036	-75.841	1
49177_9178	49177	9178	79.863	-3.337	0.517	1.463	2.875	-120.624	1
49178_9178	49178	9178	16.495	-0.034	0.073	0.43	-7.757	-75.592	1
49178_9179	49178	9179	79.862	-3.144	0.992	1.988	10.811	-95.467	1
49179_9179	49179	9179	16.495	-0.034	0.052	0.336	-7.173	-75.32	1
49179_9180	49179	9180	79.863	-3.144	0.892	1.868	17.949	-70.316	1
49180_9180	49180	9180	16.495	-0.034	0.073	0.43	-6.753	-75.046	1
49180_9181	49180	9181	79.862	-3.144	0.992	1.956	25.885	-45.159	1
49181_9181	49181	9181	16.495	-0.046	0.301	0.394	-6.168	-74.774	1
49181_9182	49181	9182	79.863	-2.763	3.755	1.511	54.986	-23.749	1
49182_9182	49182	9182	16.495	-0.046	0.301	0.394	-3.837	-74.417	1
49182_9183	49182	9183	79.863	-2.763	3.755	1.511	84.087	-2.336	1
49183_9183	49183	9183	16.495	-0.046	0.318	0.531	-1.506	-77.115	1
49183_9184	49183	9184	79.859	-2.763	3.839	2.224	120.558	9.123	1
49184_9184	49184	9184	46.159	35.926	2.542	-5.043	-46.504	1493.844	1
49184_9185	49184	9185	15.419	-8.031	0.544	-1.442	-30.499	-939.373	1
49185_9185	49185	9185	45.215	34.882	2.361	-3.669	-14.092	1061.017	1
49185_9186	49185	9186	15.624	-7.624	0.531	-1.392	-23.819	-843.806	1
49186_9186	49186	9186	44.369	36.796	-1.116	-5.067	15.453	623.769	1
49186_9187	49186	9187	15.813	-7.177	-0.196	-1.014	-26.43	-748.592	1
49187_9187	49187	9187	43.436	36.056	-1.067	-4.7	0.065	200.814	1
49187_9188	49187	9188	15.99	-6.774	-0.194	-0.221	-28.729	-664.754	1
49188_9188	49188	9188	42.859	37.623	-0.86	-6.2	-12.53	-222.972	1
49188_9189	49188	9189	16.098	-6.343	0.058	-0.383	-28.245	-612.421	1
49189_9189	49189	9189	42.541	37.982	-0.829	-5.51	-19.677	-526.35	1
49189_9190	49189	9190	16.151	-6.208	0.07	0.289	-27.286	-524.4	1
49190_9190	49190	9190	42.541	37.719	-0.205	-5.23	-31.078	-1048.605	1
49190_9191	49190	9191	16.151	-6.036	0.112	0.277	-26.059	-458.004	1
49191_9191	49191	9191	42.541	31.029	-0.166	-3.899	-33.332	-1463.523	1
49191_9192	49191	9192	16.15	-6.036	0.126	0.693	-24.67	-391.607	1
49192_9192	49192	9192	42.541	-2.453	-0.106	0.117	-35.16	-1804.834	1
49192_9193	49192	9193	16.15	-5.929	0.127	1	-23.411	-332.61	1
49193_9193	49193	9193	42.541	-2.453	-0.148	-1.672	-36.21	-1780.423	1
49193_9194	49193	9194	16.151	-5.929	0.11	0.666	-22.313	-273.614	1
49194_9194	49194	9194	42.541	0.829	-0.08	3.792	-37.686	-1755.999	1
49194_9195	49194	9195	16.15	-5.869	0.149	1.125	-20.83	-215.213	1
49195_9195	49195	9195	42.541	-35.416	-0.123	2.019	-38.483	-1764.251	1
49195_9196	49195	9196	16.15	-5.869	0.133	0.909	-19.509	-156.873	1
49196_9196	49196	9196	42.539	-33.234	0.097	6.103	-39.705	-1412.195	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49196_9197	49196	9197	16.15	-5.854	0.158	1.119	-17.771	-92.478	1
49197_9197	49197	9197	42.539	-33.234	0.058	5.152	-38.639	-1046.63	1
49197_9198	49197	9198	16.15	-5.854	0.143	1.035	-16.195	-28.085	1
49198_9198	49198	9198	42.534	-31.652	0.771	6.292	-37.998	-681.05	1
49198_9199	49198	9199	16.15	-5.909	0.199	0.914	-13.45	53.224	1
49199_9199	49199	9199	42.798	-31.295	0.74	6.519	-27.332	-255.638	1
49199_9200	49199	9200	16.199	-5.774	0.188	1.11	-11.892	97.014	1
49200_9200	49200	9200	43.31	-32.5	0.75	5.824	-21.253	-70.875	1
49200_9201	49200	9201	16.292	-5.637	0.21	0.651	-9.419	163.261	1
49201_9201	49201	9201	44.117	-31.455	0.747	6.405	-12.263	296.559	1
49201_9202	49201	9202	16.429	-5.224	0.209	0.969	-6.629	227.523	1
49202_9202	49202	9202	44.886	-31.148	-2.458	5.596	-1.439	701.738	1
49202_9203	49202	9203	16.554	-4.824	0.075	0.757	-5.685	287.982	1
49203_9203	49203	9203	45.696	-32.435	-2.613	5.865	-33.055	1090.519	1
49203_9204	49203	9204	16.673	-4.395	0.088	0.674	-4.576	343.19	1
49204_9204	49204	9204	21.476	-0.853	0.501	0.546	-27.217	-136.394	1
49204_9205	49204	9205	80.113	4.786	-4.467	-3.084	110.987	28.686	1
49205_9205	49205	9205	21.477	-0.853	0.478	0.282	-22.462	-122.474	1
49205_9206	49205	9206	80.108	4.786	-4.551	-1.821	75.715	13.285	1
49206_9206	49206	9206	21.477	-0.853	0.478	0.282	-18.758	-115.862	1
49206_9207	49206	9207	80.108	4.786	-4.551	-1.821	40.444	-23.807	1
49207_9207	49207	9207	21.477	-0.832	0.369	0.706	-15.054	-109.247	1
49207_9208	49207	9208	80.094	5.117	-1.426	-2.684	29.037	-64.748	1
49208_9208	49208	9208	21.477	-0.832	0.342	0.578	-12.102	-102.592	1
49208_9209	49208	9209	80.092	5.117	-1.526	-2.765	16.829	-105.677	1
49209_9209	49209	9209	21.478	-0.832	0.315	0.458	-9.364	-95.938	1
49209_9210	49209	9210	80.09	5.117	-1.626	-2.897	3.82	-146.606	1
49210_9210	49210	9210	21.478	-0.805	0.295	0.821	-6.841	-89.283	1
49210_9211	49210	9211	80.085	5.345	-0.77	-1.773	-0.798	-178.665	1
49211_9211	49211	9211	21.479	-0.805	0.26	0.68	-5.069	-84.456	1
49211_9212	49211	9212	80.083	5.345	-0.903	-2.07	-6.216	-210.729	1
49212_9212	49212	9212	21.479	-0.805	0.224	0.547	-3.512	-79.63	1
49212_9213	49212	9213	80.082	5.345	-1.037	-2.422	-12.436	-242.794	1
49213_9213	49213	9213	21.48	-0.805	0.188	0.422	-2.169	-74.803	1
49213_9214	49213	9214	80.08	5.345	-1.17	-2.826	-19.456	-274.858	1
49214_9214	49214	9214	21.481	-0.783	0.363	0.818	-1.041	-69.979	1
49214_9215	49214	9215	80.078	5.551	-1.315	-0.965	-29.962	-319.22	1
49215_9215	49215	9215	21.482	-0.783	0.31	0.66	1.861	-63.725	1
49215_9216	49215	9216	80.074	5.551	-1.514	-1.759	-42.076	-363.629	1
49216_9216	49216	9216	21.482	-0.783	0.256	0.516	4.34	-57.464	1
49216_9217	49216	9217	80.07	5.551	-1.714	-2.668	-55.791	-408.037	1
49217_9217	49217	9217	21.487	-0.781	0.614	0.693	6.389	-51.204	1
49217_9218	49217	9218	80.065	5.749	-2.042	0.559	-71.616	-452.635	1
49218_9218	49218	9218	21.489	-0.781	0.531	0.518	11.147	-45.153	1
49218_9219	49218	9219	80.057	5.749	-2.351	-1.192	-89.844	-497.197	1
49219_9219	49219	9219	21.49	-0.781	0.522	0.628	15.26	-44.293	1
49219_9220	49219	9220	80.056	5.749	-2.384	-1.971	-112.498	-571.166	1
49220_9220	49220	9220	36.232	33.197	2.408	-6.512	-62.8	1038.959	1
49220_9221	49220	9221	13.166	6.88	0.17	-1.634	-12.578	239.197	1
49221_9221	49221	9221	35.395	32.094	2.191	-3.51	-32.073	639.628	1
49221_9222	49221	9222	12.985	7.149	0.132	-0.544	-10.949	147.054	1
49222_9222	49222	9222	34.544	32.389	-0.888	-4.674	-4.899	255.521	1
49222_9223	49222	9223	12.794	7.411	-0.233	-1.365	-13.996	48.805	1
49223_9223	49223	9223	33.719	32.363	-1.03	-4.651	-16.847	-138.395	1
49223_9224	49223	9224	12.603	7.73	-0.294	-0.681	-17.487	-38.125	1
49224_9224	49224	9224	33.229	32.91	-0.545	-2.838	-28.884	-486.822	1
49224_9225	49224	9225	12.481	7.87	-0.221	-0.997	-19.315	-103.088	1
49225_9225	49225	9225	32.952	33.185	-0.656	-5.113	-33.404	-758.599	1
49225_9226	49225	9226	12.414	7.974	-0.263	-1.183	-23.129	-218.592	1
49226_9226	49226	9226	32.968	35.152	0.142	-0.146	-42.899	-1239.374	1
49226_9227	49226	9227	12.418	8.099	-0.078	-0.596	-24.014	-310.716	1
49227_9227	49227	9227	32.969	11.64	0.056	-4.465	-41.279	-1639.115	1
49227_9228	49227	9228	12.417	8.099	-0.111	-1.415	-25.271	-402.827	1
49228_9228	49228	9228	32.971	1.15	0.189	3.042	-40.648	-1771.589	1
49228_9229	49228	9229	12.418	8.411	-0.023	0.01	-25.528	-498.441	1
49229_9229	49229	9229	32.971	1.15	0.102	-1.662	-38.499	-1784.664	1
49229_9230	49229	9230	12.418	8.411	-0.055	-1.304	-26.156	-594.049	1
49230_9230	49230	9230	32.969	-33.03	0.478	5.86	-37.338	-1797.652	1
49230_9231	49230	9231	12.418	8.865	-0.1	1.202	-27.356	-700.765	1
49231_9231	49231	9231	32.97	-40.222	0.402	2.63	-31.584	-1399.951	1
49231_9232	49231	9232	12.417	8.865	-0.128	-0.415	-28.509	-780.349	1
49232_9232	49232	9232	33.139	-42.098	0.278	-1.146	-27.982	-1039.621	1
49232_9233	49232	9233	12.381	8.915	-0.175	-3.23	-29.06	-808.046	1
49233_9233	49233	9233	33.53	-40.431	1.573	5.764	-27.044	-910.074	1
49233_9234	49233	9234	12.283	9.595	0.25	2.729	-26.63	-899.467	1
49234_9234	49234	9234	34.08	-39.971	1.486	4.544	-12.011	-524.738	1
49234_9235	49234	9235	12.152	9.761	0.217	0.72	-25.051	-971.599	1
49235_9235	49235	9235	34.71	-41.874	1.4	4.03	-0.484	-347.637	1
49235_9236	49235	9236	12.005	9.941	0.18	-1.742	-24.037	-1038.528	1
49236_9236	49236	9236	35.32	-41.072	0.533	4.329	8.325	-86.711	1
49236_9237	49236	9237	11.832	10.408	0.907	3.302	-14.845	-1141.104	1
49237_9237	49237	9237	36.073	-40.413	0.405	5.311	13.748	318.28	1
49237_9238	49237	9238	11.642	10.625	0.859	-0.844	-7.073	-1240.585	1
49238_9238	49238	9238	36.692	-37.816	-3.892	8.614	18.398	679.582	1
49238_9239	49238	9239	11.356	12.374	-1.283	5.395	-17.857	-1342.747	1
49239_9239	49239	9239	37.191	-39.224	-4.178	11.175	-16.828	983.156	1
49239_9240	49239	9240	11.191	12.522	-1.309	2.914	-23.226	-1392.023	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49240_9240	49240	9240	30.506	0.768	-1.071	-2.625	-4.487	-51.03	1
49240_9241	49240	9241	83.009	12.382	2.834	10.025	100.649	246.816	1
49241_9241	49241	9241	30.445	1.413	0.206	-0.62	-11.268	-55.799	1
49241_9242	49241	9242	83.271	8.298	-2.677	-4.419	92.188	219.9	1
49242_9242	49242	9242	30.445	1.413	0.147	-0.744	-10.617	-58.61	1
49242_9243	49242	9243	83.265	8.298	-2.838	-3.84	57.13	121.919	1
49243_9243	49243	9243	30.446	1.413	0.067	-0.946	-8.798	-76.07	1
49243_9244	49243	9244	83.258	8.298	-3.058	-3.518	29.655	47.378	1
49244_9244	49244	9244	30.443	1.523	0.046	-0.57	-8.199	-88.739	1
49244_9245	49244	9245	83.167	7.784	-1.245	-3.366	16.64	-33.971	1
49245_9245	49245	9245	30.443	1.523	-0.039	-0.86	-7.722	-104.658	1
49245_9246	49245	9246	83.163	7.784	-1.476	-3.46	3.105	-105.336	1
49246_9246	49246	9246	30.44	1.565	-0.048	-0.503	-8.079	-118.597	1
49246_9247	49246	9247	83.112	7.918	-0.364	-2.537	-0.732	-188.803	1
49247_9247	49247	9247	30.439	1.565	-0.15	-0.954	-8.59	-135.099	1
49247_9248	49247	9248	83.11	7.918	-0.641	-3.166	-6.554	-260.723	1
49248_9248	49248	9248	30.44	1.643	-0.239	-0.397	-9.952	-149.288	1
49248_9249	49248	9249	83.117	8.181	-1.131	-1.945	-17.287	-338.299	1
49249_9249	49249	9249	30.439	1.643	-0.314	-0.8	-12.221	-164.88	1
49249_9250	49249	9250	83.114	8.181	-1.334	-2.773	-30.811	-421.209	1
49250_9250	49250	9250	30.438	1.762	-0.447	-0.239	-15.399	-181.505	1
49250_9251	49250	9251	83.124	8.579	-2.409	-1.164	-54.604	-505.864	1
49251_9251	49251	9251	30.437	1.762	-0.522	-0.726	-19.817	-198.909	1
49251_9252	49251	9252	83.118	8.579	-2.613	-2.403	-80.075	-589.493	1
49252_9252	49252	9252	30.415	1.825	0.732	2.668	-24.905	-216.027	1
49252_9253	49252	9253	83.022	9.237	2.808	11.326	-71.202	-618.433	1
49253_9253	49253	9253	30.416	1.825	0.676	2.267	-22.592	-222.343	1
49253_9254	49253	9254	83.028	9.237	2.654	10.224	-45.988	-707.698	1
49254_9254	49254	9254	38.883	23.202	4.608	-12.143	-29.213	1049.099	1
49254_9255	49254	9255	22.072	7.476	0.925	-3.188	-4.608	351.415	1
49255_9255	49255	9255	38.648	27.063	-2.275	-4.824	24.732	773.121	1
49255_9256	49255	9256	21.952	8.494	-0.516	-1.677	-10.288	260.82	1
49256_9256	49256	9256	38.071	27.858	-2.404	-3.123	0.272	484.458	1
49256_9257	49256	9257	21.769	8.947	-0.591	-0.542	-16.872	162.405	1
49257_9257	49257	9257	37.742	27.496	-0.004	-4.133	-25.07	215.101	1
49257_9258	49257	9258	21.631	9.127	-0.275	-1.747	-18.138	118.575	1
49258_9258	49258	9258	37.299	28.093	-0.065	-3.568	-25.158	97.951	1
49258_9259	49258	9259	21.483	9.47	-0.31	-1.135	-21.305	31.517	1
49259_9259	49259	9259	36.921	28.587	-0.162	-3.716	-25.857	-185.909	1
49259_9260	49259	9260	21.354	9.755	-0.366	-0.768	-23.783	-34.105	1
49260_9260	49260	9260	36.702	29.228	-0.125	-1.299	-26.995	-374.712	1
49260_9261	49260	9261	21.279	9.876	0.027	-0.795	-23.701	-65.377	1
49261_9261	49261	9261	36.585	29.374	-0.242	-2.697	-27.397	-470.888	1
49261_9262	49261	9262	21.239	9.96	-0.04	-0.912	-24.161	-181.638	1
49262_9262	49262	9262	36.584	29.374	-0.357	-5.243	-30.165	-807.543	1
49262_9263	49262	9263	21.239	9.96	-0.107	-1.485	-25.217	-279.958	1
49263_9263	49263	9263	36.589	30.869	0.035	-0.663	-33.688	-1097.591	1
49263_9264	49263	9264	21.241	10.128	-0.015	-0.547	-25.394	-398.931	1
49264_9264	49264	9264	36.589	30.869	-0.032	-3.3	-33.282	-1460.141	1
49264_9265	49264	9265	21.241	10.128	-0.053	-1.268	-25.999	-513.516	1
49265_9265	49265	9265	36.594	-3.666	0.067	2.275	-33.639	-1809.611	1
49265_9266	49265	9266	21.243	10.457	-0.014	0.149	-26.166	-636.618	1
49266_9266	49266	9266	36.594	-3.666	0.005	-0.735	-32.849	-1766.472	1
49266_9267	49266	9267	21.243	10.457	-0.05	-0.936	-26.735	-754.719	1
49267_9267	49267	9267	36.621	-1.539	0.898	5.144	-32.795	-1725.403	1
49267_9268	49267	9268	21.25	10.924	0.165	1.301	-25.632	-827.921	1
49268_9268	49268	9268	36.621	-36.966	0.878	4.18	-26.787	-1715.11	1
49268_9269	49268	9269	21.25	10.924	0.153	0.835	-24.603	-901.434	1
49269_9269	49269	9269	37.036	-47.231	0.827	2.001	-20.839	-1542.026	1
49269_9270	49269	9270	21.147	11.123	0.119	-0.36	-23.46	-1009.46	1
49270_9270	49270	9270	37.845	-45.511	1.406	5.929	-12.833	-1082.505	1
49270_9271	49270	9271	20.959	11.925	0.348	3.087	-19.772	-1133.423	1
49271_9271	49271	9271	38.652	-45.722	1.336	5.043	1.89	-675.186	1
49271_9272	49271	9272	20.745	12.295	0.311	1.516	-17.264	-1238.298	1
49272_9272	49272	9272	39.209	-46.589	1.249	3.874	12.729	-378.724	1
49272_9273	49272	9273	20.596	12.544	0.261	-1.188	-16.063	-1302.987	1
49273_9273	49273	9273	39.849	-46.265	-2.91	4.7	19.28	-165.029	1
49273_9274	49273	9274	20.347	12.998	-1.019	4.673	-27.826	-1458.175	1
49274_9274	49274	9274	40.983	-45.254	-3.046	6.524	-15.156	386.596	1
49274_9275	49274	9275	20.011	13.503	-1.098	-0.061	-42.639	-1635.315	1
49275_9275	49275	9275	25.436	1.028	-0.582	-1.393	21.185	-54.353	1
49275_9276	49275	9276	93.905	-8.082	3.055	1.13	-98.57	-671.501	1
49276_9276	49276	9276	25.435	1.028	-0.611	-1.461	18.344	-59.373	1
49276_9277	49276	9277	93.908	-8.082	2.947	0.356	-84.955	-634.166	1
49277_9277	49277	9277	25.434	1.028	-0.653	-1.504	15.52	-61.723	1
49277_9278	49277	9278	93.913	-8.082	2.794	-0.943	-59.218	-550.869	1
49278_9278	49278	9278	25.451	1.067	-0.181	-0.713	9.507	-71.225	1
49278_9279	49278	9279	93.882	-8.504	1.541	3.416	-41.791	-454.893	1
49279_9279	49279	9279	25.45	1.067	-0.29	-1.07	7.462	-83.291	1
49279_9280	49279	9280	93.887	-8.504	1.139	1.468	-28.518	-355.807	1
49280_9280	49280	9280	25.458	1.325	-0.068	-0.472	4.085	-95.748	1
49280_9281	49280	9281	93.879	-8.644	0.511	3.345	-22.534	-254.676	1
49281_9281	49281	9281	25.457	1.325	-0.17	-0.92	3.294	-111.259	1
49281_9282	49281	9282	93.88	-8.644	0.133	2.32	-20.945	-151.462	1
49282_9282	49282	9282	25.457	1.465	-0.237	-0.08	1.264	-135.313	1
49282_9283	49282	9283	93.926	-9.385	1.509	2.074	-2.227	-65.276	1
49283_9283	49283	9283	25.455	1.465	-0.358	-0.815	-1.672	-153.493	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49283_9284	49283	9284	93.932	-9.385	1.059	1.762	9.676	40.164	1
49284_9284	49284	9284	25.425	1.723	-1.528	0.007	-5.699	-169.986	1
49284_9285	49284	9285	94.048	-10.138	5.26	1.7	62.946	142.833	1
49285_9285	49285	9285	25.42	1.723	-1.604	-0.548	-21.177	-187.432	1
49285_9286	49285	9286	94.063	-10.138	4.982	2.122	109.666	237.901	1
49286_9286	49286	9286	25.421	2.077	1.233	1.242	-36.215	-203.593	1
49286_9287	49286	9287	94.06	-11.947	-4.203	-3.044	92.75	285.986	1
49287_9287	49287	9287	25.42	2.077	1.248	1.431	-31.253	-213.333	1
49287_9288	49287	9288	94.063	-11.947	-4.15	-3.433	53.335	394.345	1
49288_9288	49288	9288	10.397	50.065	7.179	-10.66	-29.973	463.641	1
49288_9289	49288	9289	1.723	3.859	-1.497	2.406	-2.399	456.489	1
49289_9289	49289	9289	9.307	49.957	-3.227	-2.121	39.43	335.952	1
49289_9290	49289	9290	1.667	0.111	0.134	-0.039	4.627	56.102	1
49290_9290	49290	9290	8.08	40.816	-2.797	-2.369	-2.502	165.843	1
49290_9291	49290	9291	1.663	0.156	0.13	-0.022	6.126	54.295	1
49291_9291	49291	9291	7.55	38.945	-0.189	-2.056	-33.614	-142.432	1
49291_9292	49291	9292	1.656	0.179	-0.034	-0.086	5.984	53.554	1
49292_9292	49292	9292	6.981	35.87	-0.215	-2.315	-33.25	-193.517	1
49292_9293	49292	9293	1.653	0.204	-0.038	-0.029	5.676	52.224	1
49293_9293	49293	9293	6.604	33.494	-0.226	-2.724	-33.912	-390.123	1
49293_9294	49293	9294	1.651	0.222	-0.041	0.016	5.345	50.452	1
49294_9294	49294	9294	6.623	36.108	0.759	0.376	-35.72	-657.632	1
49294_9295	49294	9295	1.651	0.222	-0.018	-0.189	5.273	49.567	1
49295_9295	49295	9295	6.625	36.108	0.737	-2.124	-32.678	-804.127	1
49295_9296	49295	9296	1.651	0.222	-0.023	-0.029	5.034	46.86	1
49296_9296	49296	9296	6.627	36.108	0.721	-4.857	-25.173	-1171.918	1
49296_9297	49296	9297	1.651	0.222	-0.027	0.081	4.809	45.026	1
49297_9297	49297	9297	6.619	38.505	0.308	0.977	-19.213	-1470.468	1
49297_9298	49297	9298	1.651	0.221	-0.047	-0.083	4.265	42.495	1
49298_9298	49298	9298	6.62	38.505	0.285	-5.531	-15.677	-1912.986	1
49298_9299	49298	9299	1.65	0.221	-0.053	0.061	3.701	40.137	1
49299_9299	49299	9299	6.621	35.499	0.25	3.887	-12.631	-2324.568	1
49299_9300	49299	9300	1.651	0.221	-0.049	-0.082	3.172	37.758	1
49300_9300	49300	9300	6.622	14.404	0.228	-4.861	-9.933	-2707.977	1
49300_9301	49300	9301	1.65	0.221	-0.054	0.04	2.477	34.93	1
49301_9301	49301	9301	6.623	-0.131	0.254	6.565	-7.007	-2892.84	1
49301_9302	49301	9302	1.651	0.223	-0.045	-0.082	1.944	32.285	1
49302_9302	49302	9302	6.624	-0.131	0.229	-4.713	-3.991	-2891.296	1
49302_9303	49302	9303	1.65	0.223	-0.051	0.044	1.341	29.658	1
49303_9303	49303	9303	6.624	-33.15	0.139	6.483	-1.304	-2890.213	1
49303_9304	49303	9304	1.65	0.228	-0.041	-0.063	0.826	26.802	1
49304_9304	49304	9304	6.624	-33.15	0.117	-1.81	0.445	-2473.824	1
49304_9305	49304	9305	1.65	0.228	-0.047	0.026	0.312	24.288	1
49305_9305	49305	9305	6.623	-30.508	0.028	7.726	1.738	-2108.06	1
49305_9306	49305	9306	1.651	0.238	-0.018	-0.072	0.11	21.656	1
49306_9306	49306	9306	6.623	-30.508	0.001	0.517	2.05	-1770.943	1
49306_9307	49306	9307	1.651	0.238	-0.025	0.017	-0.204	18.663	1
49307_9307	49307	9307	6.614	-28.962	-0.428	5.928	2.066	-1388.2	1
49307_9308	49307	9308	1.653	0.256	0.077	-0.046	0.707	15.62	1
49308_9308	49308	9308	6.613	-28.962	-0.445	3.232	-3.023	-1043.816	1
49308_9309	49308	9309	1.653	0.256	0.072	-0.005	1.554	12.624	1
49309_9309	49309	9309	6.602	-28.419	-0.899	5.322	-8.231	-704.989	1
49309_9310	49309	9310	1.657	0.231	0.221	-0.09	4.198	9.865	1
49310_9310	49310	9310	6.599	-28.419	-0.921	4.102	-18.968	-365.575	1
49310_9311	49310	9311	1.657	0.231	0.216	-0.057	6.715	7.17	1
49311_9311	49311	9311	6.796	-29.138	8.954	-0.109	-29.702	-34.323	1
49311_9312	49311	9312	1.7	-5.004	7.097	-2.46	0	24.601	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
9000_9000	9000	9000	-1.407	-5.374	0.613	0.186	0	-5.752	1
9000_9001	9000	9001	-3.019	4.929	-0.829	-0.21	-6.878	-24.076	1
9001_9001	9001	9001	-38.955	27.512	-0.122	-0.79	-1.009	-321.317	1
9001_9002	9001	9002	-6.81	5.656	-0.822	-0.229	-14.133	-57.697	1
9002_9002	9002	9002	-75.288	23.591	0.172	-0.573	-3.097	-617.013	1
9002_9003	9002	9003	-11.995	5.488	0.389	-0.205	-9.029	-100.47	1
9003_9003	9003	9003	-115.722	17.434	0.224	-1.13	-1.893	-946.054	1
9003_9004	9003	9004	-17.225	5.533	0.373	-0.25	-4.307	-143.321	1
9004_9004	9004	9004	-146.449	8.729	0.013	-0.357	0.683	-1195.161	1
9004_9005	9004	9005	-22.658	5.71	-0.002	-0.2	-4.334	-187.2	1
9005_9005	9005	9005	-171.968	3.137	0.036	-1.058	0.452	-1402.921	1
9005_9006	9005	9006	-28.094	5.71	-0.003	-0.277	-4.365	-231.104	1
9006_9006	9006	9006	-188.968	1.198	-0.052	-0.246	0.583	-1541.446	1
9006_9007	9006	9007	-33.505	5.685	-0.075	-0.189	-5.27	-274.808	1
9007_9007	9007	9007	-201.483	-3.921	-0.036	-0.682	-0.494	-1643.363	1
9007_9008	9007	9008	-38.916	5.685	-0.075	-0.242	-6.176	-318.508	1
9008_9008	9008	9008	-206.844	-4.87	-0.065	-0.175	-1.354	-1687.154	1
9008_9009	9008	9009	-44.436	5.801	-0.078	-0.185	-7.089	-363.273	1
9009_9009	9009	9009	-209.537	-9.699	-0.049	-0.254	-2.662	-1709.114	1
9009_9010	9009	9010	-49.956	5.801	-0.078	-0.176	-8.037	-407.854	1
9010_9010	9010	9010	-206.087	-10.469	-0.089	0.403	-3.702	-1681.191	1
9010_9011	9010	9011	-55.651	5.982	-0.081	-0.045	-9.021	-453.851	1
9011_9011	9011	9011	-202.738	-31.823	-0.098	-0.114	-4.449	-1654.189	1
9011_9012	9011	9012	-61.346	5.982	-0.082	-0.22	-10.009	-499.838	1
9012_9012	9012	9012	-194.003	-32.834	-0.161	0.777	-5.755	-1583.569	1
9012_9013	9012	9013	-67.268	6.223	-0.072	0.035	-10.882	-547.673	1
9013_9013	9013	9013	-183.337	-37.465	-0.139	0.11	-7.791	-1497.117	1
9013_9014	9013	9014	-73.19	6.223	-0.073	-0.177	-11.758	-595.498	1
9014_9014	9014	9014	-167.505	-39.892	0.039	0.738	-9.27	-1368.75	1
9014_9015	9014	9015	-81.146	6.498	-0.057	0.049	-12.648	-659.755	1
9015_9015	9015	9015	-157.635	-44.835	0.029	0.114	-5.69	-1199.203	1
9015_9016	9015	9016	-91.407	6.267	-0.037	-0.026	-8.729	-708.963	1
9016_9016	9016	9016	-137.087	-46.194	0.193	0.449	-5.335	-1079.698	1
9016_9017	9016	9017	-89.343	6.208	0.012	0.17	-8.579	-770.856	1
9017_9017	9017	9017	-101.579	-32.173	0.139	0.117	-3.378	-909.561	1
9017_9018	9017	9018	-79.791	6.103	0.012	0.116	-8.435	-855.151	1
9018_9018	9018	9018	-63.81	-35.395	-0.218	0.28	-2.186	-720.299	1
9018_9019	9018	9019	-69.083	6.251	-0.073	0.323	-9.346	-938.542	1
9019_9019	9019	9019	-33.974	-38.714	-0.131	0.209	-4.492	-522.759	1
9019_9020	9019	9020	-58.275	6.416	-0.075	0.309	-10.216	-1027.466	1
9020_9020	9020	9020	-118.04	-11.179	0.699	0.184	-23.976	-462.667	1
9020_9021	9020	9021	-19.084	-22.275	0.022	0.26	-3.489	-362.11	1
9021_9021	9021	9021	-121.013	-13.443	0.555	-0.082	-12.84	-508.607	1
9021_9022	9021	9022	-8.512	-18.152	0.086	0.081	-4.181	-269.521	1
9022_9022	9022	9022	-122.697	-15.66	0.536	-0.061	-7.966	-545.803	1
9022_9023	9022	9023	-2.493	-0.532	0.043	0.014	-3.606	-91.58	1
9023_9023	9023	9023	-124.21	-10.996	0.082	0.079	-2.892	-604.532	1
9023_9024	9023	9024	-2.169	-0.445	0.066	0.029	-3.077	-89.311	1
9024_9024	9024	9024	-125.475	-13.938	0.072	0.05	-1.832	-638.001	1
9024_9025	9024	9025	-1.846	-0.445	0.066	0.029	-2.549	-87.043	1
9025_9025	9025	9025	-125.641	-17.164	0.068	-0.063	-0.93	-661.367	1
9025_9026	9025	9026	-1.947	0.702	-0.017	-0.019	1.123	52.037	1
9026_9026	9026	9026	-125.144	-18.699	0.016	0.175	-0.183	-675.945	1
9026_9027	9026	9027	-2.326	0.705	-0.017	-0.034	1.054	50.677	1
9027_9027	9027	9027	-124.838	-21.353	0.02	0.039	0.019	-684.94	1
9027_9028	9027	9028	-2.716	0.721	-0.016	-0.025	1.002	49.794	1
9028_9028	9028	9028	-123.955	-24.163	0.015	0.029	0.218	-687.351	1
9028_9029	9028	9029	-3.115	0.756	-0.019	-0.028	0.963	50.789	1
9029_9029	9029	9029	-121.859	-27.029	0.011	-0.008	0.347	-679.206	1
9029_9030	9029	9030	-3.526	0.756	-0.018	-0.027	0.852	47.898	1
9030_9030	9030	9030	-120.163	-13.297	-0.049	0.065	0.28	-668.133	1
9030_9031	9030	9031	-4.072	0.757	-0.023	-0.037	0.7	46.975	1
9031_9031	9031	9031	-119.021	-16.829	-0.062	0.033	-0.299	-651.25	1
9031_9032	9031	9032	-4.629	0.778	-0.025	-0.038	0.509	45.665	1
9032_9032	9032	9032	-117.144	-20.068	-0.067	-0.085	-1.086	-625.158	1
9032_9033	9032	9033	-5.197	0.792	-0.024	-0.033	0.307	43.46	1
9033_9033	9033	9033	-114.177	-22.156	-0.503	0.153	-1.998	-588.825	1
9033_9034	9033	9034	-5.79	0.848	-0.068	-0.038	-0.234	40.575	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9034_9034	9034	9034	-110.823	-24.897	-0.526	0.124	-6.474	-548.294	1
9034_9035	9034	9035	-15.65	23.203	0.004	-0.127	-1.85	-327.057	1
9035_9035	9035	9035	-104.98	-27.481	-0.688	-0.137	-14.597	-510.332	1
9035_9036	9035	9036	-33.373	28.042	0.106	-0.292	1.24	-478.989	1
9036_9036	9036	9036	-23.463	-6.215	0.03	0.145	-0.553	-299.54	1
9036_9037	9036	9037	-78.845	-30.566	-0.329	0.765	4.02	-682.489	1
9037_9037	9037	9037	-23.554	-6.395	0.032	0.056	-0.163	-236.119	1
9037_9038	9037	9038	-66.936	-25.638	-0.248	0.276	0.632	-444.897	1
9038_9038	9038	9038	-42.224	-1.026	-0.107	-0.056	-0.966	-637.175	1
9038_9039	9038	9039	-57.049	-8.46	-0.022	-0.106	-5.19	-657.642	1
9039_9039	9039	9039	-71.198	-4.406	-0.144	-0.249	-2.006	-778.193	1
9039_9040	9039	9040	-57.229	-7.979	-0.028	-0.153	-5.513	-579.792	1
9040_9040	9040	9040	-93.726	-6.106	-0.098	-0.123	-3.607	-887.729	1
9040_9041	9040	9041	-53.544	-7.48	-0.018	-0.058	-5.666	-536.806	1
9041_9041	9041	9041	-120.798	-9.359	-0.051	-0.082	-2.136	-892.735	1
9041_9042	9041	9042	-51.234	-7.323	-0.008	-0.005	-2.849	-427.267	1
9042_9042	9042	9042	-136.871	-11.177	0.011	0.027	-3.042	-1003.127	1
9042_9043	9042	9043	-43.256	-6.939	0.018	0.035	-2.633	-376.729	1
9043_9043	9043	9043	-148.999	0.369	0.008	-0.197	-3.067	-1082.555	1
9043_9044	9043	9044	-35.285	-6.939	0.017	0.009	-2.433	-326.238	1
9044_9044	9044	9044	-157.852	-0.791	0.003	0.004	-2.976	-1135.243	1
9044_9045	9044	9045	-27.575	-6.706	0.013	0.054	-2.277	-277.406	1
9045_9045	9045	9045	-165.518	-5.791	0.001	-0.141	-2.945	-1179.108	1
9045_9046	9045	9046	-34.671	6.717	-0.019	-0.062	-2.308	-240.412	1
9046_9046	9046	9046	-167.318	-6.847	-0.005	0.078	-2.916	-1184.811	1
9046_9047	9046	9047	-42.528	6.891	-0.02	-0.03	-2.561	-292.365	1
9047_9047	9047	9047	-167.835	-11.815	-0.007	-0.067	-2.967	-1181.592	1
9047_9048	9047	9048	-50.451	6.894	-0.021	-0.052	-2.805	-342.645	1
9048_9048	9048	9048	-162.895	-12.913	-0.017	0.143	-3.005	-1142.956	1
9048_9049	9048	9049	-58.568	7.064	-0.024	-0.005	-3.087	-394.06	1
9049_9049	9049	9049	-156.56	-17.742	-0.018	0.003	-3.171	-1094.769	1
9049_9050	9049	9050	-66.753	7.127	-0.024	-0.035	-3.363	-448.252	1
9050_9050	9050	9050	-146.067	-19.152	0.055	0.172	-3.284	-1019.176	1
9050_9051	9050	9051	-77.6	7.406	-0.005	0.019	-3.445	-516.957	1
9051_9051	9051	9051	-124.199	-24.991	0.053	0.072	-2.755	-943.901	1
9051_9052	9051	9052	-77.654	7.283	-0.007	0.009	-3.993	-576.158	1
9052_9052	9052	9052	-110.82	-26	0.086	0.233	-2.301	-869.93	1
9052_9053	9052	9053	-78.029	7.27	-0.002	0.067	-4.019	-642.576	1
9053_9053	9053	9053	-76.82	-29.884	0.101	0.331	-1.954	-814.023	1
9053_9054	9053	9054	-64.978	7.493	-0.003	0.254	-5.514	-770.309	1
9054_9054	9054	9054	-48.263	-33.31	-0.173	0.327	-1.185	-662.551	1
9054_9055	9054	9055	-72.041	26.889	0.22	-0.537	3.518	-636.387	1
9055_9055	9055	9055	-34.783	4.039	-0.009	-0.172	1.011	-208.294	1
9055_9056	9055	9056	-78.206	30.136	0.257	-0.884	6.909	-922.501	1
9056_9056	9056	9056	-110.736	-4.436	0.48	0.214	-15.453	-493.109	1
9056_9057	9056	9057	-8.636	-20.731	0.037	0.393	-2.848	-333.736	1
9057_9057	9057	9057	-115.894	-7.164	0.433	-0.073	-9.159	-565.879	1
9057_9058	9057	9058	-7.844	0.31	-0.054	-0.13	1.632	-91.901	1
9058_9058	9058	9058	-119.753	-9.724	0.428	-0.29	-5.337	-619.155	1
9058_9059	9058	9059	-8.046	0.31	-0.054	-0.153	1.21	-93.498	1
9059_9059	9059	9059	-122.536	-11.557	0.048	0.238	-1.654	-664.597	1
9059_9060	9059	9060	-8.24	0.295	-0.051	-0.085	0.659	-87.013	1
9060_9060	9060	9060	-124.798	-14.545	0.048	0.003	-0.981	-704.655	1
9060_9061	9060	9061	-8.438	0.295	-0.052	-0.108	0.244	-88.58	1
9061_9061	9061	9061	-125.889	-17.796	0.042	-0.066	-0.365	-733.135	1
9061_9062	9061	9062	-8.636	0.295	-0.052	-0.108	-0.172	-90.147	1
9062_9062	9062	9062	-126.144	-19.184	0.01	0.174	0.109	-750.868	1
9062_9063	9062	9063	-8.818	0.36	-0.05	-0.084	-0.474	-91.583	1
9063_9063	9063	9063	-126.416	-21.827	0.001	0.391	0.233	-762.4	1
9063_9064	9063	9064	-8.998	0.36	-0.05	-0.053	-0.772	-93.018	1
9064_9064	9064	9064	-125.999	-24.587	0.011	-0.136	0.282	-765.988	1
9064_9065	9064	9065	-9.181	0.36	-0.051	-0.113	-1.077	-94.452	1
9065_9065	9065	9065	-125.094	-12.693	-0.012	-0.147	0.311	-761.56	1
9065_9066	9065	9066	-9.362	0.364	-0.054	-0.092	-1.442	-103.92	1
9066_9066	9066	9066	-124.334	-13.197	-0.036	0.192	0.201	-749.224	1
9066_9067	9066	9067	-9.641	0.416	-0.059	-0.061	-1.915	-106.133	1
9067_9067	9067	9067	-123.457	-16.699	-0.039	-0.05	-0.246	-730.481	1
9067_9068	9067	9068	-9.921	0.416	-0.06	-0.086	-2.392	-108.346	1
9068_9068	9068	9068	-121.849	-19.934	-0.045	-0.116	-0.789	-701.473	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9068_9069	9068	9069	-10.2	0.416	-0.06	-0.086	-2.87	-110.559	1
9069_9069	9069	9069	-119.15	-21.865	-0.413	0.247	-1.437	-661.064	1
9069_9070	9069	9070	-10.537	0.518	-0.057	-0.039	-3.314	-113.227	1
9070_9070	9070	9070	-116.095	-24.644	-0.431	0.171	-5.101	-616.353	1
9070_9071	9070	9071	-10.874	0.518	-0.057	-0.041	-3.759	-115.896	1
9071_9071	9071	9071	-111.871	-27.193	-0.5	-0.128	-10.336	-563.091	1
9071_9072	9071	9072	-26.031	25.79	0.045	-0.414	-0.124	-465.388	1
9072_9072	9072	9072	-25.253	-0.091	0.008	-0.126	-3.214	-256.547	1
9072_9073	9072	9073	-66.241	-28.785	-0.235	0.869	2.994	-602.045	1
9073_9073	9073	9073	-28.302	-0.453	0.01	-0.094	-3.112	-246.296	1
9073_9074	9073	9074	-63.917	-7.048	0.058	-0.375	-5.126	-775.642	1
9074_9074	9074	9074	-46.449	-0.709	-0.086	-0.072	-0.976	-673.219	1
9074_9075	9074	9075	-70.042	-6.805	-0.007	-0.123	-5.231	-691.809	1
9075_9075	9075	9075	-85.014	-4.057	-0.088	-0.255	-1.379	-783.949	1
9075_9076	9075	9076	-78.059	-6.634	-0.007	-0.15	-3.914	-589.458	1
9076_9076	9076	9076	-110.997	-5.813	-0.047	-0.058	-2.415	-900.36	1
9076_9077	9076	9077	-74.775	-6.639	-0.005	-0.032	-3.955	-551.734	1
9077_9077	9077	9077	-115.818	-8.724	-0.071	-0.205	-4.016	-1000.611	1
9077_9078	9077	9078	-61.321	-6.699	-0.005	-0.023	-5.638	-493.047	1
9078_9078	9078	9078	-132.259	5.908	0.039	-0.153	-5.437	-1137.688	1
9078_9079	9078	9079	-55.23	-6.394	0.038	0.058	-5.185	-440.742	1
9079_9079	9079	9079	-145.594	1.381	0.042	-0.473	-5.039	-1237.198	1
9079_9080	9079	9080	-49.24	-6.239	0.037	-0.019	-4.716	-387.679	1
9080_9080	9080	9080	-154.536	0.609	0.012	-0.14	-4.538	-1302.707	1
9080_9081	9080	9081	-43.559	-5.932	0.032	0.058	-4.299	-337.686	1
9081_9081	9081	9081	-162.545	-3.952	0.015	-0.247	-4.407	-1360.461	1
9081_9082	9081	9082	-38.103	-5.584	0.031	0.052	-3.779	-281.198	1
9082_9082	9082	9082	-165.795	-4.45	-0.004	0.099	-4.202	-1381.927	1
9082_9083	9082	9083	-34.11	5.529	-0.036	-0.067	-3.436	-254.968	1
9083_9083	9083	9083	-168.236	-9.341	-0.003	-0.215	-4.255	-1396.67	1
9083_9084	9083	9084	-39.812	5.686	-0.036	-0.108	-3.934	-303.773	1
9084_9084	9084	9084	-165.281	-10.172	-0.016	0.239	-4.255	-1370.464	1
9084_9085	9084	9085	-45.347	5.886	-0.038	-0.031	-4.391	-348.766	1
9085_9085	9085	9085	-162.261	-30.859	-0.017	0.13	-4.455	-1351.967	1
9085_9086	9085	9086	-50.935	5.929	-0.038	-0.089	-4.828	-392.745	1
9086_9086	9086	9086	-154.604	-31.688	-0.049	0.548	-4.587	-1290.821	1
9086_9087	9086	9087	-56.743	6.132	-0.041	0.018	-5.291	-438.792	1
9087_9087	9087	9087	-146	-36.181	-0.046	0.271	-5.085	-1222.106	1
9087_9088	9087	9088	-62.547	6.132	-0.041	-0.051	-5.751	-482.331	1
9088_9088	9088	9088	-133.713	-20.852	0.062	0.353	-5.177	-1111.625	1
9088_9089	9088	9089	-69.736	6.479	-0.016	0.035	-5.937	-541.023	1
9089_9089	9089	9089	-116.983	-25.8	0.049	0.145	-3.765	-1037.962	1
9089_9090	9089	9090	-71.472	6.337	-0.014	0.036	-5.381	-603.91	1
9090_9090	9090	9090	-103.045	-26.723	0.115	0.446	-3.284	-947.892	1
9090_9091	9090	9091	-70.89	6.279	0	0.148	-5.385	-664.36	1
9091_9091	9091	9091	-76.403	-30.517	0.122	0.24	-2.618	-832.012	1
9091_9092	9091	9092	-63.393	6.317	-0.001	0.198	-6.802	-749.697	1
9092_9092	9092	9092	-46.512	-33.785	-0.223	0.354	-1.568	-664.317	1
9092_9093	9092	9093	-66.912	28.215	0.264	-0.426	4.351	-641.932	1
9093_9093	9093	9093	-24.979	4.774	-0.006	-0.177	0.341	-203.237	1
9093_9094	9093	9094	-73.587	33.255	0.324	-0.973	8.74	-936.824	1
9094_9094	9094	9094	-110.329	-4.393	0.555	0.166	-17.652	-494.137	1
9094_9095	9094	9095	-11.398	-0.678	0.043	0.055	-0.063	29.595	1
9095_9095	9095	9095	-112.208	-7.137	0.625	-0.097	-13.023	-579.115	1
9095_9096	9095	9096	-10.974	-0.68	0.052	0.07	0.336	33.171	1
9096_9096	9096	9096	-115.622	-9.716	0.607	-0.163	-7.509	-634.23	1
9096_9097	9096	9097	-10.559	-0.68	0.052	0.07	0.74	36.772	1
9097_9097	9097	9097	-118.003	-11.464	0.067	0.239	-2.291	-681.283	1
9097_9098	9097	9098	-10.146	-0.652	0.004	0.061	0.771	40.341	1
9098_9098	9098	9098	-120.006	-14.477	0.066	0.009	-1.357	-723.76	1
9098_9099	9098	9099	-9.739	-0.634	0.006	0.067	0.811	41.724	1
9099_9099	9099	9099	-120.92	-17.754	0.056	-0.07	-0.521	-754.311	1
9099_9100	9099	9100	-9.339	-0.631	0.006	0.067	0.854	44.807	1
9100_9100	9100	9100	-121.067	-19.068	0.024	0.243	0.105	-773.793	1
9100_9101	9100	9101	-9.039	-0.632	0.005	0.051	0.857	45.591	1
9101_9101	9101	9101	-121.28	-21.723	0.017	0.214	0.305	-786.75	1
9101_9102	9101	9102	-8.74	-0.632	0.004	0.051	0.884	48.18	1
9102_9102	9102	9102	-120.883	-24.507	0.012	0.16	0.432	-791.726	1
9102_9103	9102	9103	-8.576	-0.009	0.089	0.082	-0.761	-94.274	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9103_9103	9103	9103	-119.563	-12.649	-0.014	-0.359	0.188	-788.647	1
9103_9104	9103	9104	-8.571	-0.009	0.088	0.051	-0.233	-94.239	1
9104_9104	9104	9104	-118.807	-13.056	-0.045	0.208	-0.017	-776.468	1
9104_9105	9104	9105	-8.61	0.063	0.09	0.109	0.49	-94.583	1
9105_9105	9105	9105	-117.924	-16.607	-0.052	-0.057	-0.708	-757.759	1
9105_9106	9105	9106	-8.65	0.063	0.09	0.085	1.209	-94.927	1
9106_9106	9106	9106	-116.316	-19.904	-0.063	-0.12	-1.559	-727.938	1
9106_9107	9106	9107	-8.689	0.063	0.09	0.086	1.927	-95.271	1
9107_9107	9107	9107	-113.629	-21.837	-0.579	0.222	-2.588	-685.874	1
9107_9108	9107	9108	-8.727	0.063	0.072	0.117	2.489	-95.606	1
9108_9108	9108	9108	-110.572	-24.687	-0.605	0.149	-7.848	-638.982	1
9108_9109	9108	9109	-8.771	0.083	0.081	0.128	3.406	-103.895	1
9109_9109	9109	9109	-109.308	-27.22	-0.559	-0.07	-12.188	-569.98	1
9109_9110	9109	9110	-23.559	25.467	0.057	-0.355	-0.542	-458.584	1
9110_9110	9110	9110	-21.157	-1.516	0.016	-0.122	-3.608	-306.358	1
9110_9111	9110	9111	-72.898	-26.446	-0.303	0.887	5.798	-622.381	1
9111_9111	9111	9111	-24.179	-1.648	0.017	-0.105	-3.401	-283.279	1
9111_9112	9111	9112	-63.16	-20.513	-0.22	0.361	2.434	-402.685	1
9112_9112	9112	9112	-43.943	-1.255	-0.086	-0.127	-2.139	-677.84	1
9112_9113	9112	9113	-66.228	-7.389	0.011	-0.196	-7.1	-690.903	1
9113_9113	9113	9113	-73.221	-4.839	-0.093	-0.337	-2.488	-821.216	1
9113_9114	9113	9114	-67.596	-7.254	0.007	-0.155	-5.547	-613.89	1
9114_9114	9114	9114	-94.931	-6.644	-0.033	-0.136	-3.646	-934.507	1
9114_9115	9114	9115	-64.192	-7.235	0.021	-0.064	-5.371	-570.623	1
9115_9115	9115	9115	-120.03	-9.45	-0.029	-0.123	-3.336	-914.297	1
9115_9116	9115	9116	-62.268	-7.263	0.018	-0.007	-4.231	-454.069	1
9116_9116	9116	9116	-133.445	-11.362	0.028	0.092	-3.865	-1013.251	1
9116_9117	9116	9117	-55.14	-6.88	0.034	0.067	-3.828	-401.862	1
9117_9117	9117	9117	-143.802	-15.557	0.029	-0.213	-3.606	-1087.887	1
9117_9118	9117	9118	-48.09	-6.814	0.033	-0.028	-3.445	-352.641	1
9118_9118	9118	9118	-150.737	-16.366	0.023	0.19	-3.263	-1137.946	1
9118_9119	9118	9119	-41.321	-6.49	0.031	0.083	-3.051	-300.402	1
9119_9119	9119	9119	-156.904	-20.786	0.022	-0.137	-2.983	-1181.54	1
9119_9120	9119	9120	-34.772	-6.186	0.029	0.01	-2.632	-246.612	1
9120_9120	9120	9120	-158.653	-21.224	0.012	0.273	-2.67	-1194.876	1
9120_9121	9120	9121	-28.302	-5.55	0.028	0.076	-2.12	-188.041	1
9121_9121	9121	9121	-159.89	-26.124	0.01	-0.045	-2.475	-1203.959	1
9121_9122	9121	9122	-22.543	-4.765	0.026	0.027	-1.557	-131.014	1
9122_9122	9122	9122	-155.298	-27.019	0.007	0.423	-2.291	-1173.933	1
9122_9123	9122	9123	-25.634	3.913	-0.012	0.005	-1.926	-200.809	1
9123_9123	9123	9123	-150.1	-31.64	0.002	-0.02	-2.174	-1139.239	1
9123_9124	9123	9124	-29.754	4.043	-0.013	-0.068	-2.096	-233.46	1
9124_9124	9124	9124	-139.882	-32.362	-0.014	0.416	-2.109	-1071.003	1
9124_9125	9124	9125	-34.167	4.385	-0.012	0.017	-2.246	-272.035	1
9125_9125	9125	9125	-128.969	-36.965	-0.016	0.129	-2.24	-997.411	1
9125_9126	9125	9126	-38.683	4.424	-0.014	-0.047	-2.395	-303.709	1
9126_9126	9126	9126	-114.969	-22	0.059	0.256	-2.24	-891.275	1
9126_9127	9126	9127	-44.401	4.653	0.003	0.028	-2.338	-343.371	1
9127_9127	9127	9127	-102.348	-26.852	0.045	0.025	-1.32	-787.302	1
9127_9128	9127	9128	-51.492	17.594	-0.053	-0.214	0.486	-194.446	1
9128_9128	9128	9128	-87.579	-27.326	0.105	0.214	-0.969	-706.095	1
9128_9129	9128	9129	-68.841	21.422	-0.066	-0.166	-0.194	-334.904	1
9129_9129	9129	9129	-54.799	-30.923	0.11	0.125	0.042	-642.592	1
9129_9130	9129	9130	-80.846	26.071	-0.089	-0.541	-1.5	-569.644	1
9130_9130	9130	9130	-31.899	5.417	-0.031	-0.077	-0.95	-218.29	1
9130_9131	9130	9131	-90.119	29.86	0.165	-0.43	0.294	-824.891	1
9131_9131	9131	9131	-32.176	5.092	-0.03	-0.067	-1.372	-276.142	1
9131_9132	9131	9132	-95.524	34.275	0.207	-0.669	3.095	-1133.951	1
9132_9132	9132	9132	-98.683	-1.766	0.441	0.066	-11.507	-365.354	1
9132_9133	9132	9133	-12.312	-21.524	-0.064	0.226	-0.254	-299.513	1
9133_9133	9133	9133	-107.07	-4.624	0.398	-0.019	-6.454	-444.683	1
9133_9134	9133	9134	-8.908	-1.166	-0.026	-0.056	-0.232	-139.895	1
9134_9134	9134	9134	-112.868	-7.352	0.402	-0.143	-3.153	-507.586	1
9134_9135	9134	9135	-8.098	-1.108	-0.025	-0.074	-0.476	-128.56	1
9135_9135	9135	9135	-117.463	-9.638	0.004	0.102	0.134	-562.624	1
9135_9136	9135	9136	-7.522	1.276	0.022	0.014	-1.34	-42.993	1
9136_9136	9136	9136	-121.164	-12.847	0.005	-0.02	0.27	-610.571	1
9136_9137	9136	9137	-8.48	1.367	0.025	0.009	-1.212	-54.399	1
9137_9137	9137	9137	-123.325	-16.351	0.001	-0.059	0.373	-645.857	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9137_9138	9137	9138	-9.49	1.451	0.027	0.01	-1.039	-66.49	1
9138_9138	9138	9138	-124.288	-17.936	-0.009	0.179	0.387	-669.326	1
9138_9139	9138	9139	-10.301	1.486	0.028	0.026	-0.87	-72.164	1
9139_9139	9139	9139	-124.886	-20.784	-0.004	0.026	0.315	-683.993	1
9139_9140	9139	9140	-11.135	1.546	0.03	0.013	-0.7	-81.764	1
9140_9140	9140	9140	-124.625	-23.786	-0.004	-0.004	0.269	-690.494	1
9140_9141	9140	9141	-11.993	1.602	0.031	0.014	-0.513	-91.67	1
9141_9141	9141	9141	-122.907	-26.854	-0.01	0.101	0.214	-685.066	1
9141_9142	9141	9142	-12.881	1.657	0.032	0.034	-0.308	-101.905	1
9142_9142	9142	9142	-121.011	-13.886	-0.009	0.037	-0.087	-676.501	1
9142_9143	9142	9143	-14.159	1.758	0.033	0.034	-0.043	-111.193	1
9143_9143	9143	9143	-119.005	-17.705	-0.018	0.092	-0.285	-655.563	1
9143_9144	9143	9144	-15.463	1.9	0.037	0.058	0.338	-131.477	1
9144_9144	9144	9144	-115.774	-21.223	-0.017	-0.045	-0.585	-622.319	1
9144_9145	9144	9145	-16.845	1.9	0.037	0.039	0.633	-141.151	1
9145_9145	9145	9145	-110.996	-23.586	-0.314	0.126	-0.908	-576.098	1
9145_9146	9145	9146	-18.225	2.013	0.039	0.068	1.009	-156.643	1
9146_9146	9146	9146	-105.459	-26.617	-0.33	0.162	-3.637	-523.232	1
9146_9147	9146	9147	-19.674	2.077	0.044	0.096	1.444	-172.138	1
9147_9147	9147	9147	-97.026	-29.474	-0.352	-0.019	-6.919	-469.915	1
9147_9148	9147	9148	-29.791	27.831	0.093	-0.328	1.668	-439.8	1
9148_9148	9148	9148	-35.804	-3.199	0.011	0.057	-0.135	-260.687	1
9148_9149	9148	9149	-98.034	-26.271	-0.199	0.556	1.713	-689.635	1
9149_9149	9149	9149	-36.69	-3.916	0.012	0.056	-0.012	-223.743	1
9149_9150	9149	9150	-88.27	-22.123	-0.156	0.368	-0.437	-468.231	1
9150_9150	9150	9150	-36.499	-4.639	0.025	0.071	0.133	-181.703	1
9150_9151	9150	9151	-73.266	-18.097	0.054	0.37	0.631	-281.356	1
9151_9151	9151	9151	-59.772	-4.957	-0.072	-0.063	-0.535	-629.597	1
9151_9152	9151	9152	-57.655	-15.609	0.033	0.154	0.946	-152.985	1
9152_9152	9152	9152	-79.966	-6.676	-0.032	-0.069	-1.288	-718.656	1
9152_9153	9152	9153	-45.73	-14.073	0.026	0.16	1.101	-86.428	1
9153_9153	9153	9153	-97.727	-9.408	-0.029	-0.029	-1.31	-749.274	1
9153_9154	9153	9154	-36.63	-6.76	0.01	0.015	-1.827	-313.065	1
9154_9154	9154	9154	-109.414	-11.809	0.006	0.039	-1.748	-833.502	1
9154_9155	9154	9155	-29.368	-6.405	0.014	0.027	-1.657	-262.205	1
9155_9155	9155	9155	-118.001	-16.141	0.003	-0.048	-1.714	-893.42	1
9155_9156	9155	9156	-22.535	-5.836	0.012	0.008	-1.433	-203.838	1
9156_9156	9156	9156	-123.195	-17.561	0.006	0.083	-1.695	-930.418	1
9156_9157	9156	9157	-17.174	-4.812	0.013	0.023	-1.112	-145.036	1
9157_9157	9157	9157	-126.865	-21.764	0.003	-0.011	-1.647	-955.96	1
9157_9158	9157	9158	-13.079	-1.455	-0.003	-0.006	0.114	-64.137	1
9158_9158	9158	9158	-126.969	-7.786	-0.003	0.05	-1.646	-956.864	1
9158_9159	9158	9159	-16.51	4.374	-0.012	-0.011	-1.185	-135.619	1
9159_9159	9159	9159	-126.952	-12.172	-0.008	-0.05	-1.681	-953.338	1
9159_9160	9159	9160	-21.291	5.104	-0.014	-0.025	-1.457	-184.057	1
9160_9160	9160	9160	-123.186	-13.181	-0.001	0.067	-1.749	-925.992	1
9160_9161	9160	9161	-27.366	5.697	-0.011	-0.014	-1.663	-237.418	1
9161_9161	9161	9161	-117.789	-17.851	-0.002	0.027	-1.768	-886.625	1
9161_9162	9161	9162	-33.836	5.885	-0.011	-0.015	-1.796	-282.401	1
9162_9162	9162	9162	-108.896	-19.326	0.04	0.072	-1.766	-823.992	1
9162_9163	9162	9163	-47.752	14.867	-0.022	-0.113	0.844	-91.459	1
9163_9163	9163	9163	-91.152	-24.599	0.041	0.131	-1.378	-762.779	1
9163_9164	9163	9164	-59.604	17.099	-0.032	-0.18	0.738	-160.757	1
9164_9164	9164	9164	-79.354	-25.405	0.08	0.13	-1.094	-697.389	1
9164_9165	9164	9165	-76.575	19.818	-0.04	-0.18	0.312	-284.61	1
9165_9165	9165	9165	-52.37	-28.859	0.08	0.207	-0.414	-635.435	1
9165_9166	9165	9166	-91.527	23.492	-0.059	-0.333	-0.542	-474.898	1
9166_9166	9166	9166	-43.065	4.205	-0.009	-0.034	-0.03	-204.688	1
9166_9167	9166	9167	-101.397	25.994	0.151	-0.294	1.111	-697.152	1
9167_9167	9167	9167	-43.113	3.408	-0.008	-0.059	-0.151	-250.44	1
9167_9168	9167	9168	-107.265	30.696	0.189	-0.52	3.602	-969.658	1
9168_9168	9168	9168	-92.057	-1.775	0.309	0.054	-8.987	-365.505	1
9168_9169	9168	9169	-20.797	-1.936	-0.036	-0.078	0.906	-163.649	1
9169_9169	9169	9169	-101.808	-4.624	0.253	-0.111	-4.737	-441.931	1
9169_9170	9169	9170	-20.311	-1.996	-0.033	-0.079	0.577	-155.58	1
9170_9170	9170	9170	-108.915	-7.316	0.245	-0.079	-2.595	-501.878	1
9170_9171	9170	9171	-18.875	-1.93	-0.029	-0.053	0.279	-140.583	1
9171_9171	9171	9171	-114.735	-9.528	0.024	0.018	-0.56	-553.979	1
9171_9172	9171	9172	-17.443	-1.885	-0.029	-0.046	0.05	-131.23	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9172_9172	9172	9172	-119.76	-12.711	0.018	0.063	-0.271	-599.776	1
9172_9173	9172	9173	-16.046	-1.754	-0.025	-0.024	-0.219	-111.438	1
9173_9173	9173	9173	-123.162	-16.181	0.018	-0.063	-0.054	-633.231	1
9173_9174	9173	9174	-14.714	-1.754	-0.025	-0.039	-0.422	-102.736	1
9174_9174	9174	9174	-125.351	-17.917	0.004	0.065	0.125	-655.518	1
9174_9175	9174	9175	-13.758	-1.675	-0.024	-0.025	-0.569	-96.166	1
9175_9175	9175	9175	-126.773	-20.75	-0.001	0.164	0.155	-668.904	1
9175_9176	9175	9176	-12.823	-1.624	-0.023	-0.006	-0.708	-86.244	1
9176_9176	9176	9176	-128.318	-10.188	-0.001	-0.086	0.147	-673.838	1
9176_9177	9176	9177	-11.917	-1.571	-0.022	-0.021	-0.836	-76.615	1
9177_9177	9177	9177	-128.386	-13.163	-0.002	-0.107	0.124	-668.479	1
9177_9178	9177	9178	-11.032	-1.539	-0.022	-0.02	-0.958	-68.835	1
9178_9178	9178	9178	-127.527	-14.01	-0.017	0.102	0.097	-655.159	1
9178_9179	9178	9179	-9.903	-1.483	-0.022	-0.006	-1.127	-59.927	1
9179_9179	9179	9179	-126.037	-17.75	-0.018	-0.022	-0.109	-632.747	1
9179_9180	9179	9180	-8.835	-1.402	-0.02	-0.013	-1.242	-48.207	1
9180_9180	9180	9180	-123.333	-21.206	-0.025	0.026	-0.351	-599.372	1
9180_9181	9180	9181	-7.814	-1.314	-0.019	-0.005	-1.322	-37.166	1
9181_9181	9181	9181	-119.011	-23.643	-0.232	0.137	-0.669	-553.852	1
9181_9182	9181	9182	-8.239	1.075	0.024	0.056	0.352	-117.62	1
9182_9182	9182	9182	-113.86	-26.594	-0.24	0.098	-2.669	-502.109	1
9182_9183	9182	9183	-17.617	-21.573	0.02	-0.18	-0.369	-286.015	1
9183_9183	9183	9183	-107.153	-29.334	-0.288	0.07	-5.491	-444.551	1
9183_9184	9183	9184	-37.081	27.365	0.074	-0.21	1.333	-429.453	1
9184_9184	9184	9184	-26.066	-4.576	0.01	0.06	-0.343	-242.46	1
9184_9185	9184	9185	-88.268	-29.059	-0.154	0.468	0.901	-667.602	1
9185_9185	9185	9185	-26.286	-4.918	0.011	0.043	-0.212	-195.008	1
9185_9186	9185	9186	-75.87	-24.35	-0.118	0.255	-0.719	-429.731	1
9186_9186	9186	9186	-35.499	-0.53	-0.059	-0.08	0.039	-499.478	1
9186_9187	9186	9187	-58.134	-19.707	0.049	0.306	0.231	-233.655	1
9187_9187	9187	9187	-67.818	-3.851	-0.069	-0.079	-0.392	-611.782	1
9187_9188	9187	9188	-51.263	-5.773	-0.006	-0.018	-2.075	-379.89	1
9188_9188	9188	9188	-91.325	-5.909	-0.035	-0.066	-1.103	-714.934	1
9188_9189	9188	9189	-47.907	-5.674	0.008	-0.021	-2.028	-346.705	1
9189_9189	9189	9189	-106.508	-8.819	-0.035	-0.034	-1.271	-799.87	1
9189_9190	9189	9190	-40.947	-5.582	0.008	0.018	-1.791	-297.249	1
9190_9190	9190	9190	-121.293	-11.511	-0.005	-0.011	-1.798	-904.809	1
9190_9191	9190	9191	-35.071	-5.303	0.01	0.013	-1.676	-253.917	1
9191_9191	9191	9191	-131.853	-15.863	-0.004	0.001	-1.892	-978.429	1
9191_9192	9191	9192	-29.441	-4.998	0.011	0.028	-1.521	-207.938	1
9192_9192	9192	9192	-138.943	-2.263	-0.006	0.005	-1.992	-1032.265	1
9192_9193	9192	9193	-24.828	-4.371	0.012	0.032	-1.295	-161.181	1
9193_9193	9193	9193	-144.192	-6.656	-0.01	-0.125	-2.053	-1064.899	1
9193_9194	9193	9194	-23.99	5.331	-0.018	-0.046	-1.516	-167.712	1
9194_9194	9194	9194	-145.173	-7.935	-0.008	0.071	-2.154	-1069.483	1
9194_9195	9194	9195	-29.449	5.724	-0.018	-0.026	-1.747	-210.703	1
9195_9195	9195	9195	-144.997	-12.248	-0.012	-0.058	-2.237	-1065.532	1
9195_9196	9195	9196	-35.177	5.922	-0.018	-0.044	-1.955	-252.936	1
9196_9196	9196	9196	-141.105	-13.489	-0.001	0.134	-2.343	-1036.752	1
9196_9197	9196	9197	-41.834	6.189	-0.014	-0.01	-2.117	-299.6	1
9197_9197	9197	9197	-135.184	-18.068	-0.004	0.012	-2.338	-993.252	1
9197_9198	9197	9198	-48.599	6.253	-0.014	-0.031	-2.273	-344.667	1
9198_9198	9198	9198	-125.825	-19.834	0.05	0.158	-2.346	-926.049	1
9198_9199	9198	9199	-57.416	6.534	-0.004	0.008	-2.322	-402.649	1
9199_9199	9199	9199	-108.976	-25.096	0.045	0.092	-1.812	-814.324	1
9199_9200	9199	9200	-59.461	6.458	-0.005	0.008	-2.544	-429.103	1
9200_9200	9200	9200	-96.229	-26.489	0.069	0.228	-1.482	-747.421	1
9200_9201	9200	9201	-60.68	6.443	0.008	0.057	-2.446	-484.764	1
9201_9201	9201	9201	-64.029	-30.053	0.093	0.288	-1.279	-698.723	1
9201_9202	9201	9202	-75.065	25.315	-0.061	-0.535	0.417	-452.012	1
9202_9202	9202	9202	-37.234	-33.432	-0.167	0.266	-0.65	-559.234	1
9202_9203	9202	9203	-86.427	28.496	0.228	-0.565	2.989	-692.952	1
9203_9203	9203	9203	-26.516	3.938	-0.01	-0.073	0.427	-190.226	1
9203_9204	9203	9204	-93.799	33.683	0.269	-0.721	6.537	-987.811	1
9204_9204	9204	9204	-104.274	-3.614	0.433	0.099	-13.637	-425.661	1
9204_9205	9204	9205	-12.383	-22.942	0.001	0.324	-1.534	-322.408	1
9205_9205	9205	9205	-111.36	-6.295	0.391	-0.126	-8.16	-506.137	1
9205_9206	9205	9206	-9.606	-0.394	-0.059	-0.077	1.35	-111.634	1
9206_9206	9206	9206	-116.379	-8.821	0.38	-0.175	-4.751	-559.819	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9206_9207	9206	9207	-9.335	-0.375	-0.056	-0.074	0.851	-106.601	1
9207_9207	9207	9207	-120.348	-10.975	0.065	0.163	-1.508	-606.61	1
9207_9208	9207	9208	-9.076	-0.349	-0.052	-0.036	0.395	-102.326	1
9208_9208	9208	9208	-123.586	-13.969	0.064	0.039	-0.76	-647.074	1
9208_9209	9208	9209	-8.826	-0.349	-0.053	-0.051	-0.03	-100.539	1
9209_9209	9209	9209	-125.557	-17.232	0.063	-0.099	-0.076	-676.584	1
9209_9210	9209	9210	-8.591	-0.308	-0.05	-0.059	-0.481	-91.202	1
9210_9210	9210	9210	-126.638	-18.781	-0.003	0.294	0.506	-696.265	1
9210_9211	9210	9211	-8.475	-0.217	-0.047	-0.008	-0.764	-90.367	1
9211_9211	9211	9211	-127.435	-21.447	0.001	0.153	0.507	-708.868	1
9211_9212	9211	9212	-8.359	-0.217	-0.048	-0.026	-1.052	-89.533	1
9212_9212	9212	9212	-128.002	-9.809	-0.004	-0.126	0.419	-719.734	1
9212_9213	9212	9213	-8.242	-0.217	-0.049	-0.043	-1.346	-88.7	1
9213_9213	9213	9213	-128.233	-12.609	0	-0.283	0.333	-717.652	1
9213_9214	9213	9214	-8.408	0.667	-0.007	-0.024	0.115	30.963	1
9214_9214	9214	9214	-127.751	-13.288	-0.064	0.252	0.263	-708.48	1
9214_9215	9214	9215	-8.884	0.668	-0.022	-0.046	-0.065	28.823	1
9215_9215	9215	9215	-127.084	-16.794	-0.063	0.02	-0.448	-693.54	1
9215_9216	9215	9216	-9.365	0.668	-0.018	-0.038	-0.209	25.399	1
9216_9216	9216	9216	-125.521	-20.04	-0.059	-0.204	-1.22	-669.076	1
9216_9217	9216	9217	-9.846	0.668	-0.014	-0.03	-0.318	21.975	1
9217_9217	9217	9217	-122.726	-22.063	-0.353	0.356	-2	-634.008	1
9217_9218	9217	9218	-10.318	0.679	-0.046	-0.038	-0.696	19.617	1
9218_9218	9218	9218	-119.435	-24.81	-0.346	0.068	-5.152	-594.597	1
9218_9219	9218	9219	-15.544	22.44	0.014	-0.24	-1.244	-331.489	1
9219_9219	9219	9219	-114.708	-27.364	-0.359	-0.074	-8.483	-537.15	1
9219_9220	9219	9220	-34.227	25.782	0.055	-0.332	0.35	-466.458	1
9220_9220	9220	9220	-23.12	-6.574	-0.014	0.191	1.283	-220.836	1
9220_9221	9220	9221	-64.716	-9.249	0.026	-0.134	-5.465	-833.648	1
9221_9221	9221	9221	-30.311	0.456	0.068	-0.273	-2.797	-504.297	1
9221_9222	9221	9222	-71.3	-9.103	0.025	-0.357	-5.116	-730.15	1
9222_9222	9222	9222	-54.455	-2.674	-0.043	0.095	-1.58	-661.724	1
9222_9223	9222	9223	-74.887	-8.849	0.015	0.047	-4.933	-630.923	1
9223_9223	9223	9223	-92.763	-6.449	-0.047	-0.279	-1.276	-745.08	1
9223_9224	9223	9224	-79.05	-8.85	0.009	-0.171	-3.116	-515.532	1
9224_9224	9224	9224	-116.792	-9.074	-0.018	0.138	-1.804	-836.355	1
9224_9225	9224	9225	-73.525	-8.887	0.023	0.09	-2.933	-468.637	1
9225_9225	9225	9225	-121.164	-12.659	-0.027	-0.215	-2.145	-953.929	1
9225_9226	9225	9226	-57.634	-8.859	0.027	-0.046	-2.855	-404.665	1
9226_9226	9226	9226	-131.813	-15.91	0.006	0.245	-2.603	-1040.794	1
9226_9227	9226	9227	-48.752	-8.557	0.025	0.121	-2.567	-342.674	1
9227_9227	9227	9227	-137.611	-20.653	0.004	-0.169	-2.565	-1088.953	1
9227_9228	9227	9228	-40.073	-8.161	0.026	-0.002	-2.216	-271.57	1
9228_9228	9228	9228	-139.181	-23.052	0.009	0.349	-2.512	-1105.244	1
9228_9229	9228	9229	-41.165	7.724	-0.008	0.006	-1.896	-300.799	1
9229_9229	9229	9229	-138.128	-12.741	0.005	-0.209	-2.352	-1101.093	1
9229_9230	9229	9230	-49.322	7.988	-0.008	-0.104	-2.006	-365.949	1
9230_9230	9230	9230	-132.982	-15.054	0.025	0.369	-2.22	-1061.283	1
9230_9231	9230	9231	-58.603	8.548	-0.01	0.092	-2.13	-436.831	1
9231_9231	9231	9231	-125.729	-19.89	0.017	-0.001	-1.909	-1003.786	1
9231_9232	9231	9232	-65.644	8.602	-0.011	-0.042	-2.229	-487.885	1
9232_9232	9232	9232	-116.385	-23.318	0.015	-0.356	-2.85	-949.949	1
9232_9233	9232	9233	-67.013	8.533	-0.021	-0.196	-3.709	-508.808	1
9233_9233	9233	9233	-112.431	-22.793	0.145	0.331	-2.798	-925.357	1
9233_9234	9233	9234	-71.459	8.883	0.011	0.168	-3.59	-569.43	1
9234_9234	9234	9234	-97.37	-26.309	0.125	0.094	-1.601	-854.594	1
9234_9235	9234	9235	-72.274	8.662	0.009	0.069	-3.525	-618.649	1
9235_9235	9235	9235	-66.749	-28.556	0.163	-0.312	-1.418	-875.991	1
9235_9236	9235	9236	-59.825	8.957	0.01	-0.208	-5.411	-725.642	1
9236_9236	9236	9236	-54.869	-29.789	0.255	0.446	-0.77	-810.829	1
9236_9237	9236	9237	-56.558	9.206	0.17	0.465	-3.686	-804.68	1
9237_9237	9237	9237	-36.908	-32.631	0.268	-0.245	1.188	-698.168	1
9237_9238	9237	9238	-61.345	30.124	-0.04	-0.716	-1.877	-544.401	1
9238_9238	9238	9238	-25.843	1.926	-0.03	0.215	-2.536	-298.089	1
9238_9239	9238	9239	-67.744	30.429	0.501	-1.097	2.221	-740.054	1
9239_9239	9239	9239	-24.001	1.839	-0.028	0.126	-2.824	-317.393	1
9239_9240	9239	9240	-70.13	32.27	0.564	-1.575	4.548	-829.781	1
9240_9240	9240	9240	-122.717	-13.201	-0.394	-1.882	-12.525	-640.523	1
9240_9241	9240	9241	-18.061	-0.748	0.169	0.34	2.198	23.103	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9241_9241	9241	9241	-121.869	-9.165	0.344	0.662	-14.573	-649.475	1
9241_9242	9241	9242	-17.709	-1.299	-0.043	0.075	2.062	25.891	1
9242_9242	9242	9242	-123.138	-10.129	0.334	0.357	-12.514	-664.81	1
9242_9243	9242	9243	-16.219	-1.297	-0.032	0.083	1.549	35.628	1
9243_9243	9243	9243	-125.625	-14.303	0.31	-0.115	-7.981	-720.791	1
9243_9244	9243	9244	-15.317	-1.297	-0.021	0.102	1.362	43.67	1
9244_9244	9244	9244	-125.446	-13.755	0.349	0.46	-5.214	-742.638	1
9244_9245	9244	9245	-14.21	-1.367	-0.016	0.065	1.199	53.516	1
9245_9245	9245	9245	-127.513	-17.554	0.395	-0.036	-1.308	-784.027	1
9245_9246	9245	9246	-13.252	-1.333	-0.006	0.09	1.143	57.968	1
9246_9246	9246	9246	-128.262	-20.067	-0.039	0.4	2.584	-806.121	1
9246_9247	9246	9247	-12.14	-1.36	-0.009	0.055	1.049	67.855	1
9247_9247	9247	9247	-129.327	-8.798	0.004	-0.42	2.238	-824.245	1
9247_9248	9247	9248	-11.183	-1.36	0.005	0.101	1.095	76.38	1
9248_9248	9248	9248	-130.341	-11.324	-0.116	0.218	2.137	-824.071	1
9248_9249	9248	9249	-10.165	-1.382	0.011	0.043	1.136	81.989	1
9249_9249	9249	9249	-130.784	-15.201	-0.103	-0.252	0.668	-813.296	1
9249_9250	9249	9250	-9.086	-1.361	0.019	0.081	1.28	89.36	1
9250_9250	9250	9250	-130.187	-17.711	-0.578	0.19	-0.874	-787.052	1
9250_9251	9250	9251	-7.996	-1.413	0.036	0.027	1.563	96.348	1
9251_9251	9251	9251	-129.233	-21.143	-0.568	-0.246	-7.31	-754.9	1
9251_9252	9251	9252	-6.938	-1.388	0.044	0.072	1.911	103.15	1
9252_9252	9252	9252	-126.638	-21.029	0.509	2.113	-13.448	-707	1
9252_9253	9252	9253	-6.57	-1.474	-0.074	-0.187	1.677	106.34	1
9253_9253	9253	9253	-126.699	-22.06	0.518	1.874	-11.588	-693.127	1
9253_9254	9253	9254	-17.739	-22.974	0.049	-0.116	-0.623	-511.442	1
9254_9254	9254	9254	-32.39	-6.748	-0.134	0.497	2.221	-308.219	1
9254_9255	9254	9255	-62.761	-21.248	-0.658	1.64	-3.698	-524.538	1
9255_9255	9255	9255	-31.701	-7.761	0.076	0.243	0.658	-241.729	1
9255_9256	9255	9256	-61.418	-9.975	-0.473	0.153	-0.945	-842.288	1
9256_9256	9256	9256	-44.849	-3.728	-0.682	-0.316	3.08	-714.001	1
9256_9257	9256	9257	-64.833	-9.893	-0.477	-0.497	-6.147	-747.522	1
9257_9257	9257	9257	-63.89	-4.593	0.089	0.263	-4.553	-825.957	1
9257_9258	9257	9258	-65.398	-9.463	-0.002	0.143	-6.196	-709.414	1
9258_9258	9258	9258	-88.251	-5.561	0.056	-0.011	-2.668	-793.041	1
9258_9259	9258	9259	-75.617	-9.204	-0.003	-0.012	-3.991	-576.196	1
9259_9259	9259	9259	-108.244	-8.954	0.055	-0.225	-2.087	-877.24	1
9259_9260	9259	9260	-71.706	-9.452	-0.005	-0.103	-4.046	-531.033	1
9260_9260	9260	9260	-118.054	-10.071	-0.018	0.354	-1.714	-926.558	1
9260_9261	9260	9261	-69.267	-9.228	0.037	0.211	-3.931	-511.96	1
9261_9261	9261	9261	-126.757	-11.255	-0.019	0.085	-1.344	-895.827	1
9261_9262	9261	9262	-61.669	-9.278	0.027	0.079	-2.675	-417.543	1
9262_9262	9262	9262	-136.376	-15.493	-0.024	-0.259	-1.607	-967.059	1
9262_9263	9262	9263	-53.022	-9.237	0.026	-0.059	-2.435	-361.807	1
9263_9263	9263	9263	-141.465	-17.31	-0.019	0.164	-1.897	-1007.528	1
9263_9264	9263	9264	-43.201	-8.803	0.014	0.089	-2.276	-297.986	1
9264_9264	9264	9264	-146.074	-22.12	-0.017	-0.062	-2.154	-1045.192	1
9264_9265	9264	9265	-33.853	-8.607	0.014	0.031	-2.11	-235.07	1
9265_9265	9265	9265	-145.487	-24.738	-0.002	0.239	-2.33	-1048.229	1
9265_9266	9265	9266	-43.963	9.739	-0.001	0.01	-1.878	-354.595	1
9266_9266	9266	9266	-142.528	-14.074	0.002	-0.068	-2.275	-1037.725	1
9266_9267	9266	9267	-54.379	9.739	-0.004	-0.054	-1.921	-420.286	1
9267_9267	9267	9267	-136.075	-16.57	0.056	0.24	-2.176	-994.473	1
9267_9268	9267	9268	-60.814	10.148	0.009	0.075	-1.858	-460.899	1
9268_9268	9268	9268	-131.727	-19.134	0.052	0.158	-1.797	-964.252	1
9268_9269	9268	9269	-67.298	10.188	0.009	0.048	-1.789	-503.125	1
9269_9269	9269	9269	-115.257	-21.792	0.062	-0.003	-1.998	-1007.933	1
9269_9270	9269	9270	-67.852	10.226	0.009	-0.021	-2.348	-615.897	1
9270_9270	9270	9270	-102.152	-23.879	0.108	0.384	-1.497	-938.345	1
9270_9271	9270	9271	-70.34	10.633	0.029	0.248	-2.036	-698.389	1
9271_9271	9271	9271	-68.619	-27.102	0.139	0.291	-1.118	-939.685	1
9271_9272	9271	9272	-58.158	11.098	0.04	0.23	-2.818	-837.523	1
9272_9272	9272	9272	-52.996	-29.531	0.112	-0.18	-0.599	-858.028	1
9272_9273	9272	9273	-56.469	11.266	0.033	-0.134	-2.675	-887.05	1
9273_9273	9273	9273	-43.076	-30.567	-0.145	0.53	-0.364	-800.592	1
9273_9274	9273	9274	-60.022	29.441	0.353	-0.491	2.164	-505.31	1
9274_9274	9274	9274	-22.683	-33.627	-0.071	0.023	-2.008	-651.433	1
9274_9275	9274	9275	-70.436	34.816	0.424	-1.103	7.711	-793.644	1
9275_9275	9275	9275	-121.935	-8.087	0.486	0.049	-18.029	-666.774	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9275_9276	9275	9276	-13.948	-1.098	0.08	0.189	-2.18	27.415	1
9276_9276	9276	9276	-123.029	-9.579	0.481	-0.137	-15.099	-689.905	1
9276_9277	9276	9277	-13.559	-1.083	0.085	0.197	-1.873	32.801	1
9277_9277	9277	9277	-124.553	-11.09	0.434	-0.398	-11.201	-698.828	1
9277_9278	9277	9278	-12.054	-1.096	0.081	0.179	-0.879	35.638	1
9278_9278	9278	9278	-125.689	-12.508	0.137	0.467	-6.486	-729.558	1
9278_9279	9278	9279	-11.133	-1.039	0.019	0.084	-0.667	43.682	1
9279_9279	9279	9279	-126.355	-16.489	0.146	-0.195	-4.23	-759.938	1
9279_9280	9279	9280	-10.175	-1.038	0.034	0.121	-0.326	53.634	1
9280_9280	9280	9280	-125.323	-18.076	-0.048	0.498	-2.043	-770.665	1
9280_9281	9280	9281	-9.038	-1.23	0.007	0.056	-0.201	61.808	1
9281_9281	9281	9281	-125.543	-22.79	-0.037	-0.138	-2.274	-783.616	1
9281_9282	9281	9282	-7.875	-1.23	0.02	0.103	0.041	71.847	1
9282_9282	9282	9282	-115.485	-10.194	0.042	0.433	-3.03	-804.13	1
9282_9283	9282	9283	-9.116	-1.357	0.042	0.018	0.508	97.961	1
9283_9283	9283	9283	-117.063	-15.292	0.037	-0.683	-2.208	-786.792	1
9283_9284	9283	9284	-8.084	-1.357	0.071	0.148	1.31	109.077	1
9284_9284	9284	9284	-118.094	-16.34	-0.827	0.306	-2.125	-755.368	1
9284_9285	9284	9285	-6.985	-1.558	0.344	0.002	4.751	117.189	1
9285_9285	9285	9285	-120.243	-19.897	-0.892	-0.358	-11.999	-735.989	1
9285_9286	9285	9286	-5.993	-1.558	0.362	0.098	8.15	127.844	1
9286_9286	9286	9286	-121.527	-13.247	0.992	1.102	-23.542	-682.038	1
9286_9287	9286	9287	-5.486	-1.817	-0.284	-0.215	6.631	127.753	1
9287_9287	9287	9287	-122.653	-14.428	1.052	1.306	-21.109	-687.578	1
9287_9288	9287	9288	-12.694	24.26	0.311	-0.153	-4.297	-613.298	1
9288_9288	9288	9288	-18.487	-4.219	0.468	-0.675	-3.781	-432.79	1
9288_9289	9288	9289	-52.666	-14.252	1.535	-1.942	8.872	-1055.512	1
9289_9289	9289	9289	-28.297	0.851	-1.013	0.484	15.098	-624.681	1
9289_9290	9289	9290	-57.444	-8.341	-0.938	0.246	-2.584	-961.35	1
9290_9290	9290	9290	-46.861	-2.405	-1.031	-0.377	2.774	-831.092	1
9290_9291	9290	9291	-59.396	-8.463	-0.938	-0.491	-13.408	-874.37	1
9291_9291	9291	9291	-65.685	-3.333	0.15	0.691	-9.404	-1011.814	1
9291_9292	9291	9292	-59.17	-7.437	0.216	0.541	-12.549	-848.429	1
9292_9292	9292	9292	-85.955	14.131	0.039	-0.111	-6.301	-1018.523	1
9292_9293	9292	9293	-66.733	-7.461	0.147	0.017	-7.355	-741.177	1
9293_9293	9293	9293	-99.996	11.212	0.024	-0.509	-6.167	-1146.941	1
9293_9294	9293	9294	-62.827	-7.611	0.146	-0.193	-6.185	-698.668	1
9294_9294	9294	9294	-110.842	12.402	0.155	0.746	-6.188	-1267.778	1
9294_9295	9294	9295	-61.175	-6.567	0.057	0.484	-5.955	-680.38	1
9295_9295	9295	9295	-98.973	11.079	0.242	-0.122	-8.741	-1432.724	1
9295_9296	9295	9296	-48.6	-6.59	0.087	0.116	-8.352	-679.431	1
9296_9296	9296	9296	-110.67	7.379	0.252	-1.291	-6.49	-1597.033	1
9296_9297	9296	9297	-45.671	-6.586	0.087	-0.36	-7.642	-638.72	1
9297_9297	9297	9297	-118.742	7.441	0.039	0.692	-4.478	-1710.182	1
9297_9298	9297	9298	-41.956	-6.022	0.056	0.394	-6.997	-587.299	1
9298_9298	9298	9298	-129.264	3.159	0.053	-1.271	-4.085	-1857.637	1
9298_9299	9298	9299	-38.508	-5.987	0.056	-0.205	-6.451	-537.975	1
9299_9299	9299	9299	-136.221	2.76	0.048	1.002	-3.361	-1955.118	1
9299_9300	9299	9300	-35.298	-5.531	0.069	0.405	-5.711	-493.243	1
9300_9300	9300	9300	-142.448	-1.375	0.056	-1.039	-2.725	-2041.938	1
9300_9301	9300	9301	-31.487	-5.531	0.069	-0.074	-4.828	-440.512	1
9301_9301	9301	9301	-145.823	-2.57	0.066	1.363	-1.736	-2088.533	1
9301_9302	9301	9302	-28.169	-5.191	0.079	0.408	-3.905	-393.667	1
9302_9302	9302	9302	-148.583	-24.412	0.056	-1.006	-1.235	-2126.922	1
9302_9303	9302	9303	-24.896	-5.144	0.079	-0.055	-2.986	-346.266	1
9303_9303	9303	9303	-148.119	-25.266	0.038	1.41	-0.132	-2120.326	1
9303_9304	9303	9304	-21.558	-4.945	0.074	0.336	-2.055	-300.074	1
9304_9304	9304	9304	-145.625	-30.231	0.047	-0.689	0.715	-2084.603	1
9304_9305	9304	9305	-18.65	-4.883	0.074	0.032	-1.223	-257.207	1
9305_9305	9305	9305	-139.332	-31.538	-0.01	1.865	1.535	-1995.3	1
9305_9306	9305	9306	-15.781	-4.748	0.033	0.343	-0.834	-214.117	1
9306_9306	9306	9306	-130.798	-36.229	-0.003	-0.43	1.628	-1873.846	1
9306_9307	9306	9307	-12.588	-4.656	0.033	0.078	-0.389	-167.313	1
9307_9307	9307	9307	-115.635	-39.316	-0.109	1.366	1.842	-1658.43	1
9307_9308	9307	9308	-9.652	-4.45	-0.108	0.234	-1.599	-119.556	1
9308_9308	9308	9308	-96.991	-44.875	-0.083	0.185	0.829	-1393.306	1
9308_9309	9308	9309	-7	-3.903	-0.102	0.118	-2.614	-73.774	1
9309_9309	9309	9309	-73.926	-54.777	-0.197	1.18	0.092	-1070.149	1
9309_9310	9309	9310	-4.682	-3.358	-0.268	0.156	-5.529	-36.076	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9310_9310	9310	9310	-44.753	-60.788	-0.166	0.379	-1.557	-656.033	1
9310_9311	9310	9311	-5.012	11.931	0.2	-0.486	7.355	-7.921	1
9311_9311	9311	9311	-9.166	-67.183	0.678	0.389	-2.248	-151.348	1
9311_9312	9311	9312	-8.452	26.203	-2.476	0.093	0	-44.331	1
9400_9020	9400	9020	-21.047	-1.199	-0.068	-0.024	14.312	-105.775	1
9400_9401	9400	9401	-107.226	9.428	12.83	0.333	-50.848	60.619	1
9401_9401	9401	9401	-21.007	-1.276	-0.933	0.39	13.846	-100.863	1
9401_9402	9401	9402	-107.157	8.764	3.675	-1.046	-38.37	29.996	1
9402_9402	9402	9402	-20.972	-1.785	-0.891	-0.059	10.538	-96.416	1
9402_9403	9402	9403	-107.33	6.166	3.885	-0.056	4.053	-37.307	1
9403_9403	9403	9403	-21.36	-2.474	-0.112	0.08	0.84	-77.345	1
9403_9404	9403	9404	-102.67	3.013	-0.131	-0.19	2.064	-59.026	1
9404_9404	9404	9404	-21.296	-2.97	-0.098	0.044	0.024	-59.508	1
9404_9405	9404	9405	-102.713	0.623	-0.07	-0.273	1.541	-63.518	1
9405_9405	9405	9405	-22.633	-3.821	0.075	0.069	-0.648	-38.168	1
9405_9406	9405	9406	-96.732	-2.655	-0.141	-0.171	-1.363	-25.256	1
9406_9406	9406	9406	-23.948	-4.694	1.468	0.138	0.478	17.036	1
9406_9407	9406	9407	-91.71	-5.922	-1.302	-0.251	-13.655	27.172	1
9407_9407	9407	9407	-23.846	-5.184	1.485	-0.1	13.491	58.589	1
9407_9408	9407	9408	-91.571	-7.802	-1.24	0.047	-20.54	70.535	1
9408_9408	9408	9408	-27.278	0.267	-1.437	1.778	22.368	87.391	1
9408_9409	9408	9409	-92.987	7.322	-4.481	1.39	15.705	127.11	1
9409_9409	9409	9409	-27.415	-0.522	-0.321	-1.742	18.009	85.841	1
9409_9410	9409	9410	-93.276	-8.197	-3.565	-1.356	4.933	151.148	1
9410_9410	9410	9410	-26.642	5.084	-1.16	0.127	16.671	87.284	1
9410_9411	9410	9411	-97.797	11.567	-0.589	0.079	2.291	86.862	1
9411_9411	9411	9411	-26.742	4.54	-1.114	0.012	10.183	59.035	1
9411_9412	9411	9412	-98.013	9.568	-0.426	0.171	-1.541	2.174	1
9412_9412	9412	9412	-27.705	3.578	-0.057	0.04	0.492	18.77	1
9412_9413	9412	9413	-103.913	6.066	0.066	0.141	0.272	-85.31	1
9413_9413	9413	9413	-28.663	2.648	-0.169	0.052	-0.129	-32.836	1
9413_9414	9413	9414	-110.702	2.649	-0.11	0.253	0.428	-104.414	1
9414_9414	9414	9414	-28.717	1.981	-0.147	0.046	-1.333	-51.927	1
9414_9415	9414	9415	-110.734	0.076	-0.029	0.167	0.25	-104.964	1
9415_9415	9415	9415	-27.844	1.098	-1.733	-0.074	-2.192	-65.933	1
9415_9416	9415	9416	-115.453	-3.261	-4.091	0.023	-43.249	-69.367	1
9416_9416	9416	9416	-27.862	0.409	-1.747	0.486	-21.112	-77.912	1
9416_9417	9416	9417	-115.335	-6.113	-4.148	1.126	-57.746	-47.99	1
9417_9417	9417	9417	-27.833	0.317	0.474	-0.025	-27.472	-79.36	1
9417_9036	9417	9036	-115.431	-6.692	-10.468	-0.234	-100.328	-20.624	1
9420_9056	9420	9056	-28.305	0.204	-0.631	-0.019	-11.848	-57.342	1
9420_9421	9420	9421	-111.55	7.764	10.685	0.18	-38.416	-1.313	1
9421_9421	9421	9421	-28.315	0.128	0.94	-0.216	-14.334	-58.173	1
9421_9422	9421	9422	-111.447	7.123	2.924	-0.773	-28.634	-26.151	1
9422_9422	9422	9422	-28.309	-0.551	0.962	0.003	-11.073	-58.618	1
9422_9423	9422	9423	-111.583	4.45	3.011	-0.107	4.23	-74.737	1
9423_9423	9423	9423	-27.934	-1.379	0.047	-0.025	-0.841	-52.723	1
9423_9424	9423	9424	-105.801	1.271	-0.207	-0.146	1.467	-83.893	1
9424_9424	9424	9424	-27.895	-2.028	0.071	-0.05	-0.517	-42.788	1
9424_9425	9424	9425	-105.802	-1.192	-0.116	-0.252	0.6	-75.3	1
9425_9425	9425	9425	-26.24	-2.89	0.016	-0.029	-0.292	-28.163	1
9425_9426	9425	9426	-98.804	-4.437	0.066	-0.139	0.473	-11.341	1
9426_9426	9426	9426	-24.645	-3.755	0.464	-0.026	-0.308	13.503	1
9426_9427	9426	9427	-92.995	-7.451	-0.806	-0.204	-7.577	52.917	1
9427_9427	9427	9427	-24.563	-4.257	0.497	-0.044	3.823	46.754	1
9427_9428	9427	9428	-92.824	-9.349	-0.682	0.018	-11.34	104.9	1
9428_9428	9428	9428	-24.115	0.803	0.857	1.103	6.434	70.434	1
9428_9429	9428	9429	-88.014	8.694	-4.298	0.958	8.775	75.162	1
9429_9429	9429	9429	-24.115	-0.726	1.58	-1.091	9.022	67.811	1
9429_9430	9429	9430	-88.253	-9.498	-3.364	-0.939	-1.391	103.455	1
9430_9430	9430	9430	-22.223	3.795	-0.961	0.122	13.04	62.94	1
9430_9431	9430	9431	-93.3	9.053	-0.079	0.087	-1.268	47.981	1
9431_9431	9431	9431	-22.297	3.343	-0.939	0.006	7.678	41.841	1
9431_9432	9431	9432	-93.464	7.152	0.014	0.159	-1.162	-15.344	1
9432_9432	9432	9432	-22.865	2.542	0.015	0.039	-0.461	12.151	1
9432_9433	9432	9433	-99.099	3.837	-0.03	0.145	-0.673	-70.674	1
9433_9433	9433	9433	-23.497	1.777	0.003	0.055	-0.075	-24.504	1
9433_9434	9433	9434	-105.826	0.594	0.168	0.243	1.603	-74.957	1
9434_9434	9434	9434	-23.533	1.22	0.016	0.035	-0.046	-37.308	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9434_9435	9434	9435	-105.81	-1.913	0.227	0.163	3.261	-61.162	1
9435_9435	9435	9435	-22.432	0.507	-1.566	-0.026	0.235	-45.954	1
9435_9436	9435	9436	-111.102	-5.068	-3.287	0.083	-31.351	-5.848	1
9436_9436	9436	9436	-22.44	-0.046	-1.529	0.306	-16.825	-51.496	1
9436_9437	9436	9437	-110.948	-7.809	-3.109	0.847	-42.202	21.428	1
9437_9437	9437	9437	-22.395	-0.127	0.524	-0.033	-22.596	-51.33	1
9437_9072	9437	9072	-111.041	-8.384	-10.793	-0.202	-86.064	55.756	1
9440_9094	9440	9094	-25.039	0.08	-0.393	0.029	-15.355	-57.947	1
9440_9441	9440	9441	-111.845	8.112	10.221	0.19	-30.685	9.737	1
9441_9441	9441	9441	-25.069	-0.009	1.199	-0.282	-16.664	-58.268	1
9441_9442	9441	9442	-111.717	7.485	2.438	-0.734	-22.654	-16.376	1
9442_9442	9442	9442	-25.061	-0.617	1.208	0	-12.488	-58.234	1
9442_9443	9442	9443	-111.865	4.775	2.477	-0.19	4.378	-68.508	1
9443_9443	9443	9443	-25.566	-1.392	-0.032	-0.057	0.445	-51.633	1
9443_9444	9443	9444	-105.997	1.582	-0.185	-0.232	1.65	-79.897	1
9444_9444	9444	9444	-25.528	-1.975	-0.038	-0.053	0.214	-41.607	1
9444_9445	9444	9445	-106.006	-0.835	-0.206	-0.253	0.161	-73.873	1
9445_9445	9445	9445	-24.629	-2.816	-0.015	-0.047	-0.283	-27.414	1
9445_9446	9445	9446	-99.254	-4.119	0.111	-0.171	0.61	-14.493	1
9446_9446	9446	9446	-23.81	-3.662	0.649	-0.054	-0.729	13.219	1
9446_9447	9446	9447	-93.636	-7.4	-0.472	-0.234	-4.539	51.065	1
9447_9447	9447	9447	-23.725	-4.169	0.712	-0.048	5.066	45.656	1
9447_9448	9447	9448	-93.458	-9.397	-0.229	-0.01	-5.754	103.232	1
9448_9448	9448	9448	-24.237	0.923	0.272	1.686	9.162	68.847	1
9448_9449	9448	9449	-88.125	9.502	3.437	0.523	3.607	75.271	1
9449_9449	9449	9449	-24.207	-0.758	1.043	-1.742	9.997	65.989	1
9449_9450	9449	9450	-87.932	-8.689	3.697	-0.528	14.791	101.663	1
9450_9450	9450	9450	-21.543	4.181	-0.943	0.036	12.635	68.212	1
9450_9451	9450	9451	-89.592	8.831	0.58	0.087	-5.404	47.913	1
9451_9451	9451	9451	-21.624	3.737	-0.951	-0.13	7.395	44.967	1
9451_9452	9451	9452	-89.755	6.987	0.551	0.183	-0.513	-13.974	1
9452_9452	9452	9452	-20.603	2.936	0.054	-0.077	-0.985	11.593	1
9452_9453	9452	9453	-95.626	3.848	-0.092	0.166	-0.856	-69.448	1
9453_9453	9453	9453	-19.441	2.188	-0.033	-0.07	-0.197	-30.738	1
9453_9454	9453	9454	-102.628	0.742	0.159	0.264	1.431	-74.798	1
9454_9454	9454	9454	-19.487	1.727	-0.028	-0.071	-0.429	-46.505	1
9454_9455	9454	9455	-102.62	-1.435	0.176	0.21	2.673	-68.197	1
9455_9455	9455	9455	-19.126	1.086	0.705	0	-0.65	-58.55	1
9455_9456	9455	9456	-109.079	-4.755	-2.184	0.206	-19.688	-10.675	1
9456_9456	9456	9456	-19.146	0.627	0.723	-0.235	7.062	-70.408	1
9456_9457	9456	9457	-108.935	-7.368	-2.085	0.668	-26.949	15.029	1
9457_9457	9457	9457	-19.198	0.548	0.144	0.032	9.893	-72.597	1
9457_9110	9457	9110	-109.054	-7.988	-10.731	-0.172	-70.266	47.754	1
9460_9132	9460	9132	-30.714	0.931	-0.565	0.026	-13.908	-56.389	1
9460_9461	9460	9461	-129.022	10.387	9.245	0.149	-26.486	4.904	1
9461_9461	9461	9461	-30.734	0.795	1.172	-0.314	-15.881	-60.201	1
9461_9462	9461	9462	-128.954	9.696	2.221	-0.668	-19.307	-28.907	1
9462_9462	9462	9462	-30.745	0.057	1.143	0.027	-11.782	-62.976	1
9462_9463	9462	9463	-129.152	6.598	2.105	-0.178	3.677	-100.971	1
9463_9463	9463	9463	-31.923	-0.924	-0.04	-0.035	0.5	-63.852	1
9463_9464	9463	9464	-124.634	2.851	-0.165	-0.19	1.156	-121.511	1
9464_9464	9464	9464	-31.892	-1.666	-0.04	-0.04	0.208	-57.191	1
9464_9465	9464	9465	-124.667	-0.047	-0.165	-0.217	-0.037	-121.171	1
9465_9465	9465	9465	-31.754	-2.765	-0.012	-0.02	-0.242	-45.199	1
9465_9466	9465	9466	-119.572	-4.066	0.011	-0.105	-0.887	-62.588	1
9466_9466	9466	9466	-31.729	-3.873	0.334	-0.008	-0.585	-5.358	1
9466_9467	9466	9467	-115.428	-8.084	0.628	-0.05	3.737	9.063	1
9467_9467	9467	9467	-31.64	-4.539	0.372	-0.026	2.392	28.972	1
9467_9468	9467	9468	-115.232	-10.507	0.762	-0.119	7.973	67.455	1
9468_9468	9468	9468	-32.433	2.243	-0.049	0.628	4.576	54.199	1
9468_9469	9468	9469	-112.407	12.734	2.888	0.006	16.799	36.975	1
9469_9469	9469	9469	-27.355	-2.271	-0.359	-0.434	4.336	26.22	1
9469_9470	9469	9470	-102.251	-12.593	-3.179	0.32	5.566	43.677	1
9470_9470	9470	9470	-27.237	3.471	-0.244	0.034	3.202	33.043	1
9470_9471	9470	9471	-105.788	8.697	-0.442	0.098	3.132	-9.692	1
9471_9471	9471	9471	-27.303	2.91	-0.276	-0.019	1.855	13.752	1
9471_9472	9471	9472	-105.944	6.519	-0.565	0.045	-1.871	-67.415	1
9472_9472	9472	9472	-27.741	1.942	0.01	0.006	-0.403	-12.013	1
9472_9473	9472	9473	-110.372	2.787	-0.006	0.097	-1.029	-107.6	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9473_9473	9473	9473	-28.216	1	-0.012	0.018	-0.063	-39.969	1
9473_9474	9473	9474	-115.747	-0.85	0.155	0.203	1.115	-101.476	1
9474_9474	9474	9474	-28.232	0.343	-0.012	0.021	-0.15	-47.177	1
9474_9475	9474	9475	-115.701	-3.281	0.146	0.174	2.116	-81.916	1
9475_9475	9475	9475	-28.047	-0.515	-0.468	0.013	-0.075	-49.444	1
9475_9476	9475	9476	-121.199	-7.008	-1.558	0.201	-13.574	0.563	1
9476_9476	9476	9476	-28.027	-1.188	-0.442	0.097	-5.172	-43.818	1
9476_9477	9476	9477	-120.997	-9.914	-1.449	0.527	-18.62	35.138	1
9477_9477	9477	9477	-28.031	-1.27	0.722	0.022	-6.751	-39.675	1
9477_9148	9477	9148	-121.092	-10.56	-9.318	-0.124	-55.981	78.372	1
9480_9168	9480	9168	-31.176	1.184	-0.59	-0.013	-4.836	-46.282	1
9480_9481	9480	9481	-123.326	10.316	9.603	0.17	-18.182	23.077	1
9481_9481	9481	9481	-31.169	1.113	0.507	-0.137	-7.262	-51.123	1
9481_9482	9481	9482	-123.22	9.747	1.565	-0.52	-13.462	-10.999	1
9482_9482	9482	9482	-31.187	0.334	0.507	0	-5.49	-55.017	1
9482_9483	9482	9483	-123.425	6.665	1.565	-0.184	3.604	-83.718	1
9483_9483	9483	9483	-31.258	-0.616	-0.015	0.018	-0.134	-58.697	1
9483_9484	9483	9484	-117.567	3.138	-0.238	-0.094	0.759	-106.328	1
9484_9484	9484	9484	-31.235	-1.342	0.029	-0.051	-0.269	-54.261	1
9484_9485	9484	9485	-117.609	0.404	-0.076	-0.258	0.157	-109.242	1
9485_9485	9485	9485	-30.613	-2.392	-0.025	-0.003	-0.246	-44.584	1
9485_9486	9485	9486	-111.881	-3.337	-0.033	-0.086	-1.239	-61.125	1
9486_9486	9486	9486	-29.984	-3.481	0.396	0.031	-0.807	-10.008	1
9486_9487	9486	9487	-107.028	-7.155	0.719	-0.03	4.235	2.227	1
9487_9487	9487	9487	-29.907	-4.098	0.339	-0.062	2.681	20.818	1
9487_9488	9487	9488	-106.859	-9.355	0.519	-0.121	7.117	54.219	1
9488_9488	9488	9488	-29.975	2.171	0.647	0.548	4.66	43.586	1
9488_9489	9488	9489	-103.053	12.055	3.951	-0.24	19.14	22.974	1
9489_9489	9489	9489	-26.13	-2.008	-0.134	-0.597	5.104	33.372	1
9489_9490	9489	9490	-104.056	-12.804	-3.734	0.217	7.511	47.237	1
9490_9490	9490	9490	-25.706	3.448	-0.347	0.061	4.578	39.189	1
9490_9491	9490	9491	-107.867	9.09	-0.597	0.119	4.194	-3.279	1
9491_9491	9491	9491	-25.772	2.907	-0.378	-0.018	2.66	20.028	1
9491_9492	9491	9492	-108.034	6.821	-0.722	0.034	-2.207	-63.735	1
9492_9492	9492	9492	-26.021	2.003	0.027	0.014	-0.546	-5.76	1
9492_9493	9492	9493	-112.78	3.054	0.047	0.09	-0.634	-107.736	1
9493_9493	9493	9493	-26.317	1.109	-0.004	0.057	-0.044	-34.621	1
9493_9494	9493	9494	-118.424	-0.749	0.071	0.262	0.754	-102.339	1
9494_9494	9494	9494	-26.335	0.497	0.033	-0.001	-0.054	-42.617	1
9494_9495	9494	9495	-118.375	-3.501	0.235	0.102	2.503	-77.106	1
9495_9495	9495	9495	-25.815	-0.319	-0.704	0.009	0.297	-46.017	1
9495_9496	9495	9496	-124.078	-7.123	-1.613	0.187	-14.011	0.743	1
9496_9496	9496	9496	-25.802	-0.912	-0.681	0.14	-7.39	-42.537	1
9496_9497	9496	9497	-123.883	-9.974	-1.502	0.51	-19.227	35.431	1
9497_9497	9497	9497	-25.793	-1.017	0.644	0.003	-9.911	-39.366	1
9497_9184	9497	9184	-123.94	-10.739	-9.892	-0.2	-59.01	79.397	1
9500_9204	9500	9204	-23.97	0.051	-0.311	-0.019	-7.901	-56.469	1
9500_9501	9500	9501	-121.649	8.196	11.522	0.389	-26.912	-14.125	1
9501_9501	9501	9501	-23.973	-0.031	0.539	-0.054	-9.088	-56.686	1
9501_9502	9501	9502	-121.555	7.515	1.903	-0.653	-20.928	-40.361	1
9502_9502	9502	9502	-23.964	-0.606	0.607	-0.042	-7.256	-56.571	1
9502_9503	9502	9503	-121.694	4.598	2.245	-0.266	3.55	-90.552	1
9503_9503	9503	9503	-23.824	-1.336	0.06	-0.063	-0.75	-50.158	1
9503_9504	9503	9504	-114.919	1.086	-0.051	-0.299	2.103	-98.379	1
9504_9504	9504	9504	-23.787	-1.889	0.026	0	-0.299	-40.53	1
9504_9505	9504	9505	-114.913	-1.585	-0.211	-0.211	0.622	-86.949	1
9505_9505	9505	9505	-22.935	-2.672	0.01	-0.022	-0.271	-26.905	1
9505_9506	9505	9506	-107.804	-5.22	0.01	-0.16	-0.169	-11.732	1
9506_9506	9506	9506	-22.099	-3.45	0.649	-0.007	-0.256	11.667	1
9506_9507	9506	9507	-101.652	-8.765	-0.297	-0.193	-3.614	65.957	1
9507_9507	9507	9507	-22.021	-3.913	0.682	-0.064	5.525	42.239	1
9507_9508	9507	9508	-101.446	-10.899	-0.152	-0.028	-4.418	126.532	1
9508_9508	9508	9508	-23.637	1.277	-1.253	1.321	11.251	53.408	1
9508_9509	9508	9509	-95.913	9.594	4.34	1.264	7.901	97.535	1
9509_9509	9509	9509	-23.661	-1.417	-0.763	-1.325	7.465	49.586	1
9509_9510	9509	9510	-95.754	-8.91	4.573	-1.11	21.689	124.675	1
9510_9510	9510	9510	-24.012	3.576	-0.388	0.046	5.013	53.83	1
9510_9511	9510	9511	-89.122	10.887	-1.556	-0.115	11.769	64.207	1
9511_9511	9511	9511	-24.081	3.081	-0.343	0.047	2.833	33.962	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9511_9512	9511	9512	-89.33	9.052	-1.391	-0.244	-0.601	-15.937	1
9512_9512	9512	9512	-25.201	2.22	-0.017	0.043	-0.024	6.585	1
9512_9513	9512	9513	-92.028	1.007	-0.048	0.203	-0.435	-48.781	1
9513_9513	9513	9513	-26.374	1.362	-0.033	0.049	-0.055	-25.38	1
9513_9514	9513	9514	-98.689	-1.605	0.144	0.28	1.508	-41.348	1
9514_9514	9514	9514	-26.399	0.749	-0.036	0.06	-0.291	-35.203	1
9514_9515	9514	9515	-98.625	-3.898	0.133	0.25	2.473	-13.252	1
9515_9515	9515	9515	-26.87	-0.05	-0.678	0.028	-0.347	-40.363	1
9515_9516	9515	9516	-104.864	-6.963	-2.095	0.193	-19.455	62.805	1
9516_9516	9516	9516	-26.861	-0.695	-0.659	0.186	-7.741	-39.816	1
9516_9517	9516	9517	-104.668	-9.477	-2.023	0.704	-26.514	95.863	1
9517_9517	9517	9517	-26.861	-0.785	-0.374	0.003	-10.036	-37.396	1
9517_9220	9517	9220	-104.857	-10.14	-11.712	-0.541	-73.998	137.401	1
9520_9240	9520	9240	-32.74	1.013	-0.821	-0.264	-22.656	-45.494	1
9520_9521	9520	9521	-119.424	10.905	2.054	0.964	-35.92	81.674	1
9521_9521	9521	9521	-33.229	0.838	1.508	-0.426	-25.881	-49.641	1
9521_9522	9521	9522	-119.373	10.193	1.86	-0.892	-29.397	45.669	1
9522_9522	9522	9522	-33.24	0.042	1.505	0.072	-20.623	-52.567	1
9522_9523	9522	9523	-119.583	7.33	1.851	-0.191	-9.189	-34.423	1
9523_9523	9523	9523	-33.967	-0.967	0.227	-0.05	-4.29	-53.109	1
9523_9524	9523	9524	-115.074	3.639	0.432	-0.35	-6.437	-60.709	1
9524_9524	9524	9524	-33.935	-1.755	0.295	-0.08	-2.69	-46.14	1
9524_9525	9524	9525	-115.126	0.967	0.659	-0.321	-1.732	-67.676	1
9525_9525	9525	9525	-33.52	-2.913	0.225	-0.065	-0.664	-33.485	1
9525_9526	9525	9526	-109.208	-2.787	0.266	-0.258	1.654	-27.484	1
9526_9526	9526	9526	-33.278	-4.226	1.798	-0.024	2.459	8.526	1
9526_9527	9526	9527	-103.645	-6.662	1.913	-0.178	18.077	31.483	1
9527_9527	9527	9527	-33.181	-4.891	1.905	-0.254	18.427	45.906	1
9527_9528	9527	9528	-103.484	-8.739	2.238	-0.446	30.559	80.058	1
9528_9528	9528	9528	-33.943	2.306	-0.436	3.692	29.097	72.813	1
9528_9529	9528	9529	-98.985	12.145	3.058	4.833	39.198	43.145	1
9529_9529	9529	9529	-33.613	-1.604	1.66	-3.849	27.82	67.561	1
9529_9530	9529	9530	-98.298	-10.148	6.08	-4.854	57.557	76.151	1
9530_9530	9530	9530	-30.088	4.9	-2.063	0.16	32.302	71.829	1
9530_9531	9530	9531	-96.106	6.928	2.63	-0.244	-30.516	10.543	1
9531_9531	9531	9531	-30.185	4.29	-2.003	-0.178	20.789	44.595	1
9531_9532	9531	9532	-96.222	4.976	2.816	0.395	-5.59	-33.551	1
9532_9532	9532	9532	-30.424	2.997	-0.026	0.036	-0.369	10.411	1
9532_9533	9532	9533	-101.382	1.304	0.118	0.272	-2.931	-52.464	1
9533_9533	9533	9533	-31.92	1.966	-0.159	0.119	-0.459	-32.765	1
9533_9534	9533	9534	-106.954	-2.022	-0.288	0.346	-4.034	-39.763	1
9534_9534	9534	9534	-31.957	1.219	-0.049	-0.003	-1.552	-46.939	1
9534_9535	9534	9535	-106.878	-4.521	0.071	0.305	-3.472	-7.178	1
9535_9535	9535	9535	-33.466	0.267	0.11	0.102	-1.64	-55.449	1
9535_9536	9535	9536	-112.588	-7.9	0.483	0.26	2.718	79.045	1
9536_9536	9536	9536	-33.462	-0.536	0.177	-0.005	-0.401	-58.369	1
9536_9537	9536	9537	-112.365	-10.599	0.703	0.354	5.133	116.03	1
9537_9537	9537	9537	-33.338	-0.674	-0.639	-0.485	0.474	-56.586	1
9537_9254	9537	9254	-111.435	-11.681	-4.743	-3.868	-13.46	163.008	1
9540_9275	9540	9275	-34.404	1.646	-2.05	-0.449	-11.935	-36.903	1
9540_9541	9540	9541	-120.011	10.767	8.281	0.226	-55.764	106.337	1
9541_9541	9541	9541	-35.646	1.158	0.922	-0.319	-20.231	-43.598	1
9541_9542	9541	9542	-117.911	10.516	3.058	-1.447	-44.82	68.896	1
9542_9542	9542	9542	-35.661	0.303	1.009	-0.027	-17.053	-47.624	1
9542_9543	9542	9543	-118.122	7.687	3.342	-0.203	-8.299	-15.025	1
9543_9543	9543	9543	-35.708	-0.753	0.324	-0.095	-6.127	-51.006	1
9543_9544	9543	9544	-114.091	4.319	0.357	-0.466	-5.784	-46.338	1
9544_9544	9544	9544	-35.682	-1.565	0.359	-0.053	-3.81	-45.581	1
9544_9545	9544	9545	-114.159	1.721	0.468	-0.38	-2.431	-58.762	1
9545_9545	9545	9545	-34.913	-2.797	0.398	-0.075	-1.309	-34.243	1
9545_9546	9545	9546	-109.403	-1.688	0.635	-0.348	6.387	-30.196	1
9546_9546	9546	9546	-34.607	-4.277	2.165	0.009	4.262	6.113	1
9546_9547	9546	9547	-105.537	-5.862	3.491	-0.155	36.91	21.843	1
9547_9547	9547	9547	-34.513	-4.966	2.202	-0.413	23.443	43.973	1
9547_9548	9547	9548	-105.395	-7.964	3.602	-0.869	56.955	66.144	1
9548_9548	9548	9548	-34.232	2.55	-0.355	5.418	35.696	70.975	1
9548_9549	9548	9549	-101.141	13.137	1.744	9.165	62.276	35.67	1
9549_9549	9549	9549	-33.652	-1.292	2.377	-5.656	34.808	66.989	1
9549_9550	9549	9550	-99.931	-9.394	6.602	-9.421	82.24	70.152	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9550_9550	9550	9550	-28.71	4.912	-2.571	0.246	41.441	69.643	1
9550_9551	9550	9551	-97.876	8.591	3.963	-0.581	-48.486	14.854	1
9551_9551	9551	9551	-28.823	4.254	-2.474	-0.24	26.83	41.887	1
9551_9552	9551	9552	-98.034	6.332	4.282	0.581	-12.45	-38.538	1
9552_9552	9552	9552	-28.355	3.371	-0.589	-0.09	5.711	6.11	1
9552_9553	9552	9553	-100.6	1.723	0.652	0.354	-2.321	-63.2	1
9553_9553	9553	9553	-27.458	2.347	0.032	-0.078	-2.683	-41.334	1
9553_9554	9553	9554	-104.096	-2.215	-0.113	0.355	-2.173	-47.67	1
9554_9554	9554	9554	-27.509	1.642	0.024	0.002	-2.466	-57.851	1
9554_9555	9554	9555	-104.005	-4.883	-0.144	0.425	-3.178	-13.287	1
9555_9555	9555	9555	-26.513	0.655	0.322	0.028	-2.359	-69.28	1
9555_9556	9555	9556	-107.462	-8.743	-0.346	0.259	-6.008	79.065	1
9556_9556	9556	9556	-26.521	-0.068	0.352	-0.086	1.1	-76.256	1
9556_9557	9556	9557	-107.184	-11.666	-0.229	0.511	-6.807	118.974	1
9557_9557	9557	9557	-26.589	-0.212	0.614	0.769	2.31	-75.631	1
9557_9288	9557	9288	-106.072	-13.077	-2.899	-2.497	-22.526	190.871	1
49000_9000	49000	9000	-0.991	-5.714	3.065	1.314	0	-9.652	1
49000_9001	49000	9001	-2.954	-26.419	2.812	7.444	23.341	195.341	1
49001_9001	49001	9001	-0.987	-5.714	3.066	1.366	25.436	37.776	1
49001_9002	49001	9002	-2.95	-26.419	2.816	7.716	48.388	430.307	1
49002_9002	49002	9002	-0.984	-5.521	-1.404	1.407	52.704	88.599	1
49002_9003	49002	9003	-2.948	-26.767	-1.413	7.192	31.317	753.731	1
49003_9003	49003	9003	-0.987	-5.521	-1.402	1.679	35.743	155.302	1
49003_9004	49003	9004	-2.95	-26.767	-1.408	8.513	14.298	1077.339	1
49004_9004	49004	9004	-0.987	-5.669	-0.004	1.341	18.792	222.046	1
49004_9005	49004	9005	-2.951	-28.446	-0.231	5.778	11.511	1420.936	1
49005_9005	49005	9005	-0.987	-5.669	-0.002	1.849	18.744	290.52	1
49005_9006	49005	9006	-2.951	-28.446	-0.226	8.265	8.785	1764.73	1
49006_9006	49006	9006	-0.987	-5.675	0.315	1.261	18.717	359.037	1
49006_9007	49006	9007	-2.951	-31.008	0.095	4.164	9.933	2139.459	1
49007_9007	49007	9007	-0.986	-5.675	0.315	1.612	22.52	427.616	1
49007_9008	49007	9008	-2.951	-31.008	0.097	5.919	11.11	2514.149	1
49008_9008	49008	9008	-0.985	-5.815	0.337	1.227	26.332	496.185	1
49008_9009	49008	9009	-2.95	-25.632	0.24	2.243	14.017	2824.027	1
49009_9009	49009	9009	-0.986	-5.815	0.337	1.167	30.406	566.489	1
49009_9010	49009	9010	-2.951	5.348	0.24	1.943	16.917	2759.419	1
49010_9010	49010	9010	-0.985	-6.034	0.35	0.282	34.476	636.734	1
49010_9011	49010	9011	-2.95	6.976	0.486	-3.591	22.796	2675.098	1
49011_9011	49011	9011	-0.984	-6.034	0.351	1.447	38.703	709.666	1
49011_9012	49011	9012	-2.949	20.197	0.491	0.801	28.733	2431.027	1
49012_9012	49012	9012	-0.984	-6.327	0.324	-0.278	42.948	782.584	1
49012_9013	49012	9013	-2.948	40.003	0.812	-5.802	38.548	1947.65	1
49013_9013	49013	9013	-0.984	-6.327	0.326	1.133	46.866	859.04	1
49013_9014	49013	9014	-2.947	40.003	0.817	-2.602	48.419	1464.375	1
49014_9014	49014	9014	-0.983	-6.661	0.194	-0.457	50.802	935.481	1
49014_9015	49014	9015	-2.947	37.607	-0.346	-5.813	43.036	879.763	1
49015_9015	49015	9015	-0.923	-6.669	0.196	0.598	53.827	1038.46	1
49015_9016	49015	9016	-3.307	42.075	-0.287	-4.337	41.726	752.337	1
49016_9016	49016	9016	-0.797	-6.859	-0.167	-1.711	52.86	1064.96	1
49016_9017	49016	9017	-4.057	51.159	-1.489	-5.929	24.244	765.149	1
49017_9017	49017	9017	-0.627	-6.876	-0.165	-0.413	50.967	1145.702	1
49017_9018	49017	9018	-5.464	59.734	-1.455	-3.263	4.015	601.961	1
49018_9018	49018	9018	-0.462	1.959	-0.014	0.368	-30.76	-433.888	1
49018_9019	49018	9019	-7.056	63.084	3.014	-4.432	43.468	216.237	1
49019_9019	49019	9019	-0.513	2.017	-0.014	0.423	-31.679	-473.395	1
49019_9020	49019	9020	-8.908	67.272	2.509	-4.073	72.873	-219.198	1
49020_9020	49020	9020	-98.746	-4.235	4.934	3.269	-187.696	-62.724	1
49020_9021	49020	9021	-20.573	1.106	-0.467	-0.717	39.49	197.679	1
49021_9021	49021	9021	-98.734	-4.235	5.161	1.97	-140.809	-46.348	1
49021_9022	49021	9022	-20.574	1.106	-0.419	-0.16	36.246	184.149	1
49022_9022	49022	9022	-98.74	-4.235	5.064	1.984	-100.865	-13.571	1
49022_9023	49022	9023	-20.574	1.106	-0.44	-0.343	32.834	175.568	1
49023_9023	49023	9023	-98.72	-4.545	1.673	2.591	-61.572	19.29	1
49023_9024	49023	9024	-20.574	1.004	-0.509	-0.64	28.764	167.537	1
49024_9024	49024	9024	-98.72	-4.545	1.673	2.591	-48.19	55.649	1
49024_9025	49024	9025	-20.574	1.004	-0.509	-0.64	24.695	159.508	1
49025_9025	49025	9025	-98.717	-4.545	1.795	2.705	-34.809	92.005	1
49025_9026	49025	9026	-20.575	1.004	-0.483	-0.442	20.83	151.48	1
49026_9026	49026	9026	-98.716	-4.829	1.026	1.928	-20.448	128.358	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist.	Fact
49026_9027	49026	9027	-20.575	0.98	-0.489	-0.864	17.9	145.601	1	1
49027_9027	49027	9027	-98.714	-4.829	1.208	2.218	-14.295	157.312	1	1
49027_9028	49027	9028	-20.576	0.98	-0.451	-0.596	15.194	139.714	1	1
49028_9028	49028	9028	-98.715	-4.829	1.19	2.184	-7.042	186.313	1	1
49028_9029	49028	9029	-20.576	0.98	-0.454	-0.622	12.469	133.836	1	1
49029_9029	49029	9029	-98.714	-4.829	1.208	2.223	0.091	215.266	1	1
49029_9030	49029	9030	-20.576	0.98	-0.451	-0.597	9.763	127.949	1	1
49030_9030	49030	9030	-98.711	-5.016	1.723	1.696	7.343	244.264	1	1
49030_9031	49030	9031	-20.577	0.94	-0.453	-0.824	6.14	120.437	1	1
49031_9031	49031	9031	-98.711	-5.016	1.723	1.696	21.119	284.371	1	1
49031_9032	49031	9032	-20.577	0.94	-0.453	-0.824	2.517	112.924	1	1
49032_9032	49032	9032	-98.709	-5.016	1.859	2.142	34.895	324.476	1	1
49032_9033	49032	9033	-20.577	0.94	-0.425	-0.668	-0.884	105.403	1	1
49033_9033	49033	9033	-98.701	-5.169	3.474	0.456	49.773	364.634	1	1
49033_9034	49033	9034	-20.579	1.005	-0.736	-0.831	-6.592	97.61	1	1
49034_9034	49034	9034	-98.701	-5.169	3.474	0.456	76.708	404.709	1	1
49034_9035	49034	9035	-20.579	1.005	-0.736	-0.831	-12.301	89.817	1	1
49035_9035	49035	9035	-98.693	-5.169	3.71	2.439	103.643	469.293	1	1
49035_9036	49035	9036	-20.581	1.005	-0.687	-0.787	-18.83	85.38	1	1
49036_9036	49036	9036	-25.294	11.168	-0.463	1.126	46.923	1460.54	1	1
49036_9037	49036	9037	-40.699	-46.297	-3.063	6.993	31.157	-720.256	1	1
49037_9037	49037	9037	-25.581	10.497	-0.398	3.291	40.872	1320.251	1	1
49037_9038	49037	9038	-39.491	-46.188	-2.952	4.341	-5.46	-189.293	1	1
49038_9038	49038	9038	-25.844	9.64	0.165	0.611	36.041	1188.654	1	1
49038_9039	49038	9039	-38.317	-48.132	1.191	5.45	10.393	449.081	1	1
49039_9039	49039	9039	-26.075	8.995	0.214	1.596	38.184	1058.255	1	1
49039_9040	49039	9040	-37.108	-49.069	1.257	5.896	25.284	1022.672	1	1
49040_9040	49040	9040	-26.23	8.197	0.135	0.617	40.72	952.494	1	1
49040_9041	49040	9041	-36.321	-47.92	0.983	5.436	34.081	1172.05	1	1
49041_9041	49041	9041	-26.302	7.962	0.132	0.1	41.837	877.528	1	1
49041_9042	49041	9042	-35.891	-39.724	0.979	4.716	48.93	1762.632	1	1
49042_9042	49042	9042	-26.302	7.538	-0.279	-0.681	43.831	757.147	1	1
49042_9043	49042	9043	-35.89	-5.713	-0.153	1.332	47.113	1830.518	1	1
49043_9043	49043	9043	-26.302	7.538	-0.259	-0.174	40.516	667.571	1	1
49043_9044	49043	9044	-35.89	-5.713	-0.126	2.721	45.623	1898.347	1	1
49044_9044	49044	9044	-26.303	7.28	-0.202	-1.06	37.441	578.077	1	1
49044_9045	49044	9045	-35.891	7.912	-0.089	-1.932	44.565	1804.349	1	1
49045_9045	49045	9045	-26.303	7.28	-0.18	-0.648	35.044	491.587	1	1
49045_9046	49045	9046	-35.891	27.257	-0.059	-0.419	43.866	1480.565	1	1
49046_9046	49046	9046	-26.303	7.138	-0.175	-1.27	32.91	405.103	1	1
49046_9047	49046	9047	-35.891	24.173	-0.049	-3.943	43.279	1193.458	1	1
49047_9047	49047	9047	-26.303	7.138	-0.153	-1.001	30.826	320.329	1	1
49047_9048	49047	9048	-35.891	24.173	-0.019	-2.942	43.05	906.372	1	1
49048_9048	49048	9048	-26.304	7.091	-0.14	-1.313	29.005	235.562	1	1
49048_9049	49048	9049	-35.891	22.175	0.004	-4.638	43.098	643.061	1	1
49049_9049	49049	9049	-26.304	7.091	-0.118	-1.186	27.337	151.362	1	1
49049_9050	49049	9050	-35.891	22.175	0.034	-4.098	43.503	379.766	1	1
49050_9050	49050	9050	-26.304	7.179	-0.317	-1.096	25.931	67.168	1	1
49050_9051	49050	9051	-35.891	21.21	-0.649	-4.207	33.688	58.771	1	1
49051_9051	49051	9051	-26.365	6.954	-0.293	-1.341	21.116	-39.157	1	1
49051_9052	49051	9052	-36.072	20.902	-0.615	-4.495	28.577	-110.478	1	1
49052_9052	49052	9052	-26.48	6.743	-0.29	-0.751	18.697	-96.51	1	1
49052_9053	49052	9053	-36.404	20.191	-0.644	-3.262	20.97	-347.752	1	1
49053_9053	49053	9053	-26.644	6.063	-0.284	-1.272	15.254	-167.397	1	1
49053_9054	49053	9054	-36.909	19.252	-0.636	-4.078	12.422	-591.821	1	1
49054_9054	49054	9054	-26.794	5.457	-0.108	-0.716	11.506	-247.842	1	1
49054_9055	49054	9055	-37.379	18.1	1.151	-2.648	26.876	-818.676	1	1
49055_9055	49055	9055	-26.928	4.755	-0.087	-1.232	10.101	-316.246	1	1
49055_9056	49055	9056	-37.858	18.878	1.355	-4.312	45.407	-1095.301	1	1
49056_9056	49056	9056	-82.336	-5.592	4.588	2.898	-164.089	-138.489	1	1
49056_9057	49056	9057	-19.994	1.23	-0.263	-0.742	19.429	173.513	1	1
49057_9057	49057	9057	-82.328	-5.592	4.736	2.474	-120.513	-90.069	1	1
49057_9058	49057	9058	-19.995	1.23	-0.227	-0.416	17.668	162.836	1	1
49058_9058	49058	9058	-82.321	-5.592	4.842	2.414	-83.797	-46.717	1	1
49058_9059	49058	9059	-19.995	1.23	-0.201	-0.206	16.107	153.3	1	1
49059_9059	49059	9059	-82.31	-5.807	1.337	2.827	-46.263	-3.364	1	1
49059_9060	49059	9060	-19.995	1.147	-0.163	-0.734	14.805	144.129	1	1
49060_9060	49060	9060	-82.308	-5.807	1.447	2.884	-35.58	43.042	1	1
49060_9061	49060	9061	-19.995	1.147	-0.136	-0.54	13.716	134.951	1	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49061_9061	49061	9061	-82.308	-5.807	1.447	2.884	-24.003	89.505	1
49061_9062	49061	9062	-19.995	1.147	-0.136	-0.54	12.626	125.772	1
49062_9062	49062	9062	-82.304	-6.043	1.059	2.409	-12.425	135.962	1
49062_9063	49062	9063	-19.996	1.125	-0.089	-0.661	12.093	119.015	1
49063_9063	49063	9063	-82.306	-6.043	0.913	2.102	-6.064	172.258	1
49063_9064	49063	9064	-19.996	1.125	-0.124	-0.873	11.347	112.265	1
49064_9064	49064	9064	-82.303	-6.043	1.186	2.796	-0.593	208.486	1
49064_9065	49064	9065	-19.996	1.125	-0.058	-0.5	11	105.521	1
49065_9065	49065	9065	-82.304	-6.043	1.059	2.418	6.519	244.718	1
49065_9066	49065	9066	-19.996	1.125	-0.089	-0.663	10.467	98.762	1
49066_9066	49066	9066	-82.302	-6.217	1.479	1.852	12.881	281.008	1
49066_9067	49066	9067	-19.996	1.096	-0.107	-0.83	9.614	89.996	1
49067_9067	49067	9067	-82.3	-6.217	1.582	2.265	24.714	330.738	1
49067_9068	49067	9068	-19.996	1.096	-0.082	-0.718	8.961	81.23	1
49068_9068	49068	9068	-82.3	-6.217	1.582	2.265	37.368	380.467	1
49068_9069	49068	9069	-19.996	1.096	-0.082	-0.718	8.307	72.463	1
49069_9069	49069	9069	-82.292	-6.45	2.898	1.039	50.021	430.2	1
49069_9070	49069	9070	-19.998	1.158	-0.441	-0.8	4.888	63.495	1
49070_9070	49070	9070	-82.292	-6.45	2.905	1.081	72.474	480.175	1
49070_9071	49070	9071	-19.998	1.158	-0.44	-0.795	1.479	54.514	1
49071_9071	49071	9071	-82.287	-6.45	3.051	2.23	95.012	535.829	1
49071_9072	49071	9072	-19.999	1.158	-0.404	-0.726	-2.36	44.882	1
49072_9072	49072	9072	-14.74	-0.481	0.074	-0.581	-31.021	-379.248	1
49072_9073	49072	9073	-33.73	-47.579	-3.129	6.632	33.965	-549.938	1
49073_9073	49073	9073	-14.722	-0.867	0.099	-0.406	-30.045	-373.213	1
49073_9074	49073	9074	-32.511	-46.464	-3.035	4.789	-4.032	-45.014	1
49074_9074	49074	9074	-14.699	-1.301	0.117	-0.278	-28.78	-362.339	1
49074_9075	49074	9075	-31.354	-48.419	1.399	5.428	14.613	597.162	1
49075_9075	49075	9075	-14.66	-1.679	0.149	-0.4	-27.212	-349.712	1
49075_9076	49075	9076	-30.124	-46.352	1.454	5.854	32.387	968.023	1
49076_9076	49076	9076	-14.631	-1.929	0.158	-0.231	-25.456	-329.98	1
49076_9077	49076	9077	-29.387	-48.627	0.831	4.438	39.337	1361.794	1
49077_9077	49077	9077	-14.614	-2.055	0.163	-0.082	-24.158	-308.923	1
49077_9078	49077	9078	-28.969	-39.677	0.841	4.9	50.911	1916.128	1
49078_9078	49078	9078	-14.614	-2.078	0.167	0.067	-21.923	-280.742	1
49078_9079	49078	9079	-28.969	-7.171	-0.37	1.422	46.78	1996.139	1
49079_9079	49079	9079	-14.614	-2.078	0.181	-0.176	-20.06	-257.559	1
49079_9080	49079	9080	-28.969	-6.227	-0.343	3.309	42.951	2065.683	1
49080_9080	49080	9080	-14.613	-2.064	0.166	0.061	-18.042	-234.356	1
49080_9081	49080	9081	-28.969	0.556	-0.097	-0.484	41.866	2059.474	1
49081_9081	49081	9081	-14.613	-2.064	0.166	0.061	-16.189	-211.313	1
49081_9082	49081	9082	-28.969	26.788	-0.097	-0.484	40.78	1760.342	1
49082_9082	49082	9082	-14.613	-2.044	0.161	0.222	-14.335	-188.269	1
49082_9083	49082	9083	-28.97	23.496	-0.005	-3.277	40.72	1478.231	1
49083_9083	49083	9083	-14.613	-2.044	0.172	0.093	-12.403	-163.722	1
49083_9084	49083	9084	-28.969	23.496	0.018	-2.111	40.933	1196.368	1
49084_9084	49084	9084	-14.613	-2.024	0.152	0.291	-10.334	-139.197	1
49084_9085	49084	9085	-28.97	21.206	-0.033	-4.28	40.569	959.631	1
49085_9085	49085	9085	-14.612	-2.024	0.165	0.186	-8.641	-116.596	1
49085_9086	49085	9086	-28.97	21.206	-0.007	-3.421	40.493	722.903	1
49086_9086	49086	9086	-14.612	-1.998	0.103	0.337	-6.802	-93.997	1
49086_9087	49086	9087	-28.97	19.739	0.104	-4.474	41.661	502.365	1
49087_9087	49087	9087	-14.612	-1.998	0.115	0.276	-5.653	-71.678	1
49087_9088	49087	9088	-28.969	19.739	0.129	-4.047	43.103	282.035	1
49088_9088	49088	9088	-14.612	-1.96	0.343	0.4	-4.366	-49.38	1
49088_9089	49088	9089	-28.97	19.039	-0.647	-3.999	34.579	31.036	1
49089_9089	49089	9089	-14.594	-2.088	0.353	0.311	0.157	-26.454	1
49089_9090	49089	9090	-29.135	18.786	-0.626	-4.153	29.375	-129.894	1
49090_9090	49090	9090	-14.555	-2.316	0.213	0.44	3.084	-9.211	1
49090_9091	49090	9091	-29.453	19.805	-0.775	-3.112	21.433	-343.752	1
49091_9091	49091	9091	-14.636	5.861	-0.338	-1.242	9.005	-147.652	1
49091_9092	49091	9092	-29.944	19.056	-0.741	-4.179	11.487	-591.827	1
49092_9092	49092	9092	-14.782	5.499	-0.075	-0.557	4.552	-225.412	1
49092_9093	49092	9093	-30.427	19.225	1.205	-2.028	26.637	-844.775	1
49093_9093	49093	9093	-14.921	5.11	-0.041	-1.353	3.521	-294.348	1
49093_9094	49093	9094	-30.933	20.088	1.433	-5.042	46.211	-1130.77	1
49094_9094	49094	9094	-84.252	-4.951	4.367	2.93	-156.351	-72.016	1
49094_9095	49094	9095	-22.291	-0.806	0.429	0.589	-2.189	61.525	1
49095_9095	49095	9095	-84.245	-4.951	4.499	2.666	-114.873	-29.21	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49095_9096	49095	9096	-22.291	-0.806	0.464	0.662	1.407	66.663	1
49096_9096	49096	9096	-84.245	-4.951	4.495	2.666	-79.979	9.189	1
49096_9097	49096	9097	-22.291	-0.806	0.463	0.659	4.991	72.909	1
49097_9097	49097	9097	-84.228	-5.193	1.379	2.765	-45.161	47.535	1
49097_9098	49097	9098	-22.289	-0.771	0.091	0.561	5.718	79.079	1
49098_9098	49098	9098	-84.226	-5.193	1.481	2.872	-34.118	89.101	1
49098_9099	49098	9099	-22.289	-0.771	0.118	0.656	6.659	85.241	1
49099_9099	49099	9099	-84.226	-5.193	1.485	2.878	-22.279	130.616	1
49099_9100	49099	9100	-22.289	-0.771	0.119	0.66	7.608	91.412	1
49100_9100	49100	9100	-84.223	-5.487	1.232	2.25	-10.395	172.178	1
49100_9101	49100	9101	-22.288	-0.793	0.122	0.519	8.34	96.174	1
49101_9101	49101	9101	-84.223	-5.487	1.227	2.239	-3.001	205.117	1
49101_9102	49101	9102	-22.288	-0.793	0.121	0.513	9.064	100.93	1
49102_9102	49102	9102	-84.223	-5.487	1.232	2.252	4.352	238	1
49102_9103	49102	9103	-22.288	-0.793	0.122	0.519	9.796	105.693	1
49103_9103	49103	9103	-84.221	-5.487	1.372	2.703	11.746	270.934	1
49103_9104	49103	9104	-22.288	-0.793	0.159	0.695	10.751	110.456	1
49104_9104	49104	9104	-84.22	-5.699	1.582	1.733	19.981	303.871	1
49104_9105	49104	9105	-22.288	-0.806	0.144	0.403	11.9	116.902	1
49105_9105	49105	9105	-84.218	-5.699	1.69	2.183	32.624	349.423	1
49105_9106	49105	9106	-22.288	-0.806	0.173	0.553	13.281	123.356	1
49106_9106	49106	9106	-84.218	-5.699	1.687	2.168	46.151	395.033	1
49106_9107	49106	9107	-22.288	-0.806	0.172	0.549	14.653	129.802	1
49107_9107	49107	9107	-84.211	-5.911	2.666	1.169	59.635	440.59	1
49107_9108	49107	9108	-22.287	-0.867	0.248	0.33	16.574	136.524	1
49108_9108	49108	9108	-84.211	-5.911	2.666	1.169	80.308	486.416	1
49108_9109	49108	9109	-22.287	-0.867	0.248	0.33	18.495	143.245	1
49109_9109	49109	9109	-84.209	-5.911	2.752	1.868	100.981	537.027	1
49109_9110	49109	9110	-22.287	-0.867	0.27	0.491	21.065	152.751	1
49110_9110	49110	9110	-14.889	9.797	-0.799	1.717	67.616	1402.333	1
49110_9111	49110	9111	-39.921	-34.21	-2.882	6.626	50.072	-888.983	1
49111_9111	49111	9111	-15.142	9.403	-0.773	2.272	57.452	1279.293	1
49111_9112	49111	9112	-39.031	-33.553	-2.713	3.741	15.763	-488.993	1
49112_9112	49112	9112	-15.381	8.733	0.026	1.064	47.799	1161.396	1
49112_9113	49112	9113	-38.205	-32.977	0.906	5.944	28.784	-98.588	1
49113_9113	49113	9113	-15.597	8.341	0.046	1.182	48.116	1042.995	1
49113_9114	49113	9114	-37.371	-32.271	0.911	4.765	39.807	226.106	1
49114_9114	49114	9114	-15.738	7.819	-0.127	0.456	48.668	944.951	1
49114_9115	49114	9115	-36.859	-31.918	0.476	5.678	43.386	422.899	1
49115_9115	49115	9115	-15.806	7.681	-0.124	0.195	47.621	881.172	1
49115_9116	49115	9116	-36.579	-31.781	0.483	5.381	49.941	840.715	1
49116_9116	49116	9116	-15.806	7.325	-0.382	-0.869	45.917	775.837	1
49116_9117	49116	9117	-36.579	-33.999	-0.458	3.756	44.831	1220.209	1
49117_9117	49117	9117	-15.807	7.325	-0.353	0.385	41.655	694.078	1
49117_9118	49117	9118	-36.58	-33.999	-0.392	5.961	40.454	1600.029	1
49118_9118	49118	9118	-15.807	7.112	-0.334	-1.169	37.708	612.248	1
49118_9119	49118	9119	-36.58	-37.629	-0.375	0.737	36.265	2020.033	1
49119_9119	49119	9119	-15.808	7.112	-0.306	-0.207	33.978	532.868	1
49119_9120	49119	9120	-36.581	-0.829	-0.309	4.384	32.81	2029.291	1
49120_9120	49120	9120	-15.808	6.934	-0.322	-1.273	30.564	453.421	1
49120_9121	49120	9121	-36.581	-5.469	-0.19	-2.368	30.529	2094.877	1
49121_9121	49121	9121	-15.808	6.934	-0.295	-0.652	26.703	370.28	1
49121_9122	49121	9122	-36.581	10.364	-0.129	1.148	28.983	1970.498	1
49122_9122	49122	9122	-15.808	6.859	-0.32	-1.422	23.158	287.069	1
49122_9123	49122	9123	-36.581	28.937	-0.104	-5.923	27.822	1647.242	1
49123_9123	49123	9123	-15.809	6.859	-0.277	-0.857	19.586	210.453	1
49123_9124	49123	9124	-36.581	36.215	-0.006	-1.499	27.759	1242.713	1
49124_9124	49124	9124	-15.809	6.833	-0.263	-1.233	16.489	133.837	1
49124_9125	49124	9125	-36.581	33.02	0.048	-6.031	28.293	874.193	1
49125_9125	49125	9125	-15.81	6.833	-0.235	-1.13	13.551	57.579	1
49125_9126	49125	9126	-36.581	33.02	0.114	-4.458	29.563	505.356	1
49126_9126	49126	9126	-15.81	6.896	-0.485	-1.074	10.929	-18.748	1
49126_9127	49126	9127	-36.582	31.239	-0.952	-5.502	16.815	87.055	1
49127_9127	49127	9127	-15.869	6.761	-0.463	-1.146	4.422	-115.244	1
49127_9128	49127	9128	-36.855	32.694	-0.915	-5.361	9.588	-132.432	1
49128_9128	49128	9128	-15.982	6.677	-0.411	-0.626	0.6	-170.949	1
49128_9129	49128	9129	-37.365	31.421	-1.132	-4.17	-3.774	-501.735	1
49129_9129	49129	9129	-16.149	6.265	-0.378	-1.157	-4.276	-244.408	1
49129_9130	49129	9130	-38.218	34.324	-1.159	-5.722	-20.018	-860.867	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49130_9130	49130	9130	-16.299	5.824	-0.329	-0.758	-9.301	-327.523	1
49130_9131	49130	9131	-39.044	34.029	1.998	-4.024	4.147	-1266.849	1
49131_9131	49131	9131	-16.446	5.521	-0.326	-0.737	-14.067	-408.872	1
49131_9132	49131	9132	-39.967	36.368	2.291	-5.406	34.282	-1698.858	1
49132_9132	49132	9132	-89.374	-1.689	4.123	2.982	-118.386	125.308	1
49132_9133	49132	9133	-21.994	-0.023	0.293	0.646	7.719	104.803	1
49133_9133	49133	9133	-89.38	-1.689	4.008	1.947	-79.214	122.321	1
49133_9134	49133	9134	-21.995	-0.023	0.264	0.455	9.769	100.295	1
49134_9134	49134	9134	-89.374	-1.689	4.123	2.121	-48.151	135.405	1
49134_9135	49134	9135	-21.994	-0.023	0.293	0.584	12.038	100.469	1
49135_9135	49135	9135	-89.379	-2.14	0.757	1.996	-16.195	148.494	1
49135_9136	49135	9136	-21.995	0.024	-0.021	0.418	11.869	100.281	1
49136_9136	49136	9136	-89.378	-2.14	0.869	2.203	-10.136	165.609	1
49136_9137	49136	9137	-21.995	0.024	0.006	0.543	11.919	100.092	1
49137_9137	49137	9137	-89.378	-2.14	0.869	2.203	-3.183	182.727	1
49137_9138	49137	9138	-21.995	0.024	0.006	0.543	11.969	99.904	1
49138_9138	49138	9138	-89.379	-2.438	0.479	1.409	3.77	199.848	1
49138_9139	49138	9139	-21.995	0.011	-0.009	0.317	11.916	99.84	1
49139_9139	49139	9139	-89.378	-2.438	0.628	1.767	6.642	214.472	1
49139_9140	49139	9140	-21.995	0.011	0.028	0.484	12.084	99.775	1
49140_9140	49140	9140	-89.378	-2.438	0.628	1.767	10.407	229.098	1
49140_9141	49140	9141	-21.995	0.011	0.028	0.484	12.251	99.711	1
49141_9141	49141	9141	-89.379	-2.438	0.479	1.361	14.173	243.728	1
49141_9142	49141	9142	-21.995	0.011	-0.009	0.317	12.198	99.647	1
49142_9142	49142	9142	-89.378	-2.607	1.005	1.365	17.045	258.352	1
49142_9143	49142	9143	-21.995	0.002	0.032	0.376	12.456	99.629	1
49143_9143	49143	9143	-89.379	-2.607	0.893	1.016	25.082	279.207	1
49143_9144	49143	9144	-21.995	0.002	0.005	0.251	12.495	99.613	1
49144_9144	49144	9144	-89.378	-2.607	1.005	1.392	32.226	300.06	1
49144_9145	49144	9145	-21.995	0.002	0.032	0.376	12.754	99.596	1
49145_9145	49145	9145	-89.377	-2.664	1.909	0.845	40.263	320.914	1
49145_9146	49145	9146	-21.995	-0.02	0.097	0.286	13.505	99.748	1
49146_9146	49146	9146	-89.379	-2.664	1.793	0.404	55.054	341.558	1
49146_9147	49146	9147	-21.995	-0.02	0.069	0.157	14.036	99.901	1
49147_9147	49147	9147	-89.377	-2.664	1.909	1.251	68.951	379.986	1
49147_9148	49147	9148	-21.995	-0.02	0.097	0.305	14.957	104.465	1
49148_9148	49148	9148	-30.351	10.938	-0.629	1.919	44.577	1250.067	1
49148_9149	49148	9149	-62.983	-30.733	-2.464	4.59	20.665	-1054.975	1
49149_9149	49149	9149	-30.627	10.138	-0.629	0.957	36.714	1112.633	1
49149_9150	49149	9150	-62.157	-31.982	-2.434	4.014	-9.855	-656.364	1
49150_9150	49150	9150	-30.876	9.295	0.111	1.388	28.788	985.541	1
49150_9151	49150	9151	-61.396	-32.99	0.988	4.913	4.172	-243.644	1
49151_9151	49151	9151	-31.103	8.501	0.084	-0.148	30.305	852.249	1
49151_9152	49151	9152	-60.533	-34.551	0.937	4.713	15.313	143.441	1
49152_9152	49152	9152	-31.239	7.824	-0.088	0.395	31.282	752.326	1
49152_9153	49152	9153	-59.973	-36.61	0.651	5.322	20.753	445.482	1
49153_9153	49153	9153	-31.304	7.558	-0.111	-0.355	30.556	684.617	1
49153_9154	49153	9154	-59.666	-34.443	0.591	4.775	28.697	794.892	1
49154_9154	49154	9154	-31.304	7.351	-0.201	-0.745	29.03	580.697	1
49154_9155	49154	9155	-59.666	-36.777	-0.035	3.365	28.317	1199.437	1
49155_9155	49155	9155	-31.305	7.351	-0.172	-0.29	26.819	499.841	1
49155_9156	49155	9156	-59.666	-36.777	0.02	4.456	28.533	1603.977	1
49156_9156	49156	9156	-31.304	7.236	-0.224	-0.965	24.922	418.985	1
49156_9157	49156	9157	-59.666	-3.481	-0.056	0.391	27.973	1638.794	1
49157_9157	49157	9157	-31.305	7.236	-0.193	-0.619	22.678	346.621	1
49157_9158	49157	9158	-59.666	-3.481	0.004	2.03	28.01	1673.607	1
49158_9158	49158	9158	-31.304	7.181	-0.192	-1.04	20.746	274.255	1
49158_9159	49158	9159	-59.666	-7.233	0	-2.556	28.012	1745.935	1
49159_9159	49159	9159	-31.305	7.181	-0.161	-0.838	18.822	202.448	1
49159_9160	49159	9160	-59.666	29.567	0.06	-0.81	28.61	1450.265	1
49160_9160	49160	9160	-31.304	7.167	-0.199	-0.978	17.211	130.639	1
49160_9161	49160	9161	-59.666	32.116	-0.03	-4.196	28.285	1097.306	1
49161_9161	49161	9161	-31.304	7.167	-0.199	-0.978	15.024	51.869	1
49161_9162	49161	9162	-59.666	35.465	-0.03	-4.195	27.959	707.194	1
49162_9162	49162	9162	-31.305	7.227	-0.226	-0.896	12.835	-26.971	1
49162_9163	49162	9163	-59.666	33.366	-0.659	-4.783	18.903	248.41	1
49163_9163	49163	9163	-31.364	6.961	-0.264	-0.843	9.719	-124.118	1
49163_9164	49163	9164	-59.946	32.86	-0.731	-5.296	12.829	-18.465	1
49164_9164	49164	9164	-31.476	6.596	-0.278	-0.688	7.532	-181.551	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49164_9165	49164	9165	-60.449	31.117	-0.878	-4.535	2.45	-384.198	1
49165_9165	49165	9165	-31.633	5.794	-0.302	-0.679	4.246	-250.95	1
49165_9166	49165	9166	-61.22	29.571	-0.923	-4.545	-9.904	-761.02	1
49166_9166	49166	9166	-31.767	4.97	-0.123	-0.381	0.245	-327.815	1
49166_9167	49166	9167	-61.92	28.688	2.097	-3.243	15.448	-1108.807	1
49167_9167	49167	9167	-31.886	4.135	-0.098	-0.657	-1.34	-390.114	1
49167_9168	49167	9168	-62.649	27.053	2.145	-4.53	42.22	-1448.712	1
49168_9168	49168	9168	-79.861	3.48	-1.957	-1.183	80.823	387.002	1
49168_9169	49168	9169	-16.495	0.064	-0.166	-0.251	13.362	82.086	1
49169_9169	49169	9169	-79.863	3.48	-1.873	-0.42	62.23	337.313	1
49169_9170	49169	9170	-16.495	0.064	-0.148	-0.134	12.211	78.152	1
49170_9170	49170	9170	-79.86	3.48	-1.976	-0.821	47.715	310.343	1
49170_9171	49170	9171	-16.495	0.064	-0.17	-0.235	10.896	77.653	1
49171_9171	49171	9171	-79.863	3.444	-0.886	-1.128	32.4	283.374	1
49171_9172	49171	9172	-16.495	0.044	-0.071	-0.246	10.332	77.298	1
49172_9172	49172	9172	-79.862	3.444	-0.986	-1.448	25.31	255.819	1
49172_9173	49172	9173	-16.495	0.044	-0.091	-0.342	9.602	76.942	1
49173_9173	49173	9173	-79.863	3.444	-0.886	-1.163	17.42	228.267	1
49173_9174	49173	9174	-16.495	0.044	-0.071	-0.246	9.038	76.586	1
49174_9174	49174	9174	-79.863	3.337	-0.517	-1.43	10.329	200.714	1
49174_9175	49174	9175	-16.495	0.041	-0.046	-0.297	8.759	76.338	1
49175_9175	49175	9175	-79.862	3.337	-0.65	-1.731	7.228	180.689	1
49175_9176	49175	9176	-16.495	0.041	-0.074	-0.424	8.315	76.089	1
49176_9176	49176	9176	-79.863	3.337	-0.517	-1.463	3.328	160.669	1
49176_9177	49176	9177	-16.495	0.041	-0.046	-0.297	8.036	75.841	1
49177_9177	49177	9177	-79.863	3.337	-0.517	-1.463	0.226	140.646	1
49177_9178	49177	9178	-16.495	0.041	-0.046	-0.297	7.757	75.593	1
49178_9178	49178	9178	-79.862	3.144	-0.992	-1.988	-2.875	120.621	1
49178_9179	49178	9179	-16.495	0.034	-0.073	-0.43	7.173	75.319	1
49179_9179	49179	9179	-79.863	3.144	-0.892	-1.868	-10.811	95.47	1
49179_9180	49179	9180	-16.495	0.034	-0.052	-0.336	6.753	75.047	1
49180_9180	49180	9180	-79.862	3.144	-0.992	-1.956	-17.949	70.313	1
49180_9181	49180	9181	-16.495	0.034	-0.073	-0.43	6.168	74.773	1
49181_9181	49181	9181	-79.863	2.763	-3.755	-1.511	-25.885	45.162	1
49181_9182	49181	9182	-16.495	0.046	-0.301	-0.394	3.837	74.417	1
49182_9182	49182	9182	-79.863	2.763	-3.755	-1.511	-54.986	23.749	1
49182_9183	49182	9183	-16.495	0.046	-0.301	-0.394	1.506	74.06	1
49183_9183	49183	9183	-79.859	2.763	-3.839	-2.224	-84.087	17.126	1
49183_9184	49183	9184	-16.495	0.046	-0.318	-0.531	-1.516	76.678	1
49184_9184	49184	9184	-15.419	8.031	-0.544	1.442	37.329	1040.272	1
49184_9185	49184	9185	-46.159	-35.926	-2.542	5.043	14.568	-1042.464	1
49185_9185	49185	9185	-15.624	7.624	-0.531	1.392	30.471	939.375	1
49185_9186	49185	9186	-45.215	-34.882	-2.361	3.669	-15.499	-623.773	1
49186_9186	49186	9186	-15.813	7.177	0.196	1.014	23.836	843.806	1
49186_9187	49186	9187	-44.369	-36.796	1.116	5.067	-0.653	-135.618	1
49187_9187	49187	9187	-15.99	6.774	0.194	0.221	26.45	744.373	1
49187_9188	49187	9188	-43.436	-36.056	1.067	4.7	12.471	222.976	1
49188_9188	49188	9188	-16.098	6.343	-0.058	0.383	28.724	664.754	1
49188_9189	49188	9189	-42.859	-37.623	0.86	6.2	19.626	533.373	1
49189_9189	49189	9189	-16.151	6.208	-0.07	-0.289	28.247	609.753	1
49189_9190	49189	9190	-42.541	-37.982	0.829	5.51	31.078	1048.609	1
49190_9190	49190	9190	-16.151	6.036	-0.112	-0.277	27.286	524.4	1
49190_9191	49190	9191	-42.541	-37.719	0.205	5.23	33.332	1463.519	1
49191_9191	49191	9191	-16.15	6.036	-0.126	-0.693	26.059	458.003	1
49191_9192	49191	9192	-42.541	-31.029	0.166	3.899	35.16	1804.838	1
49192_9192	49192	9192	-16.15	5.929	-0.127	-1	24.67	391.607	1
49192_9193	49192	9193	-42.541	2.453	0.106	-0.117	36.21	1780.424	1
49193_9193	49193	9193	-16.151	5.929	-0.11	-0.666	23.411	332.611	1
49193_9194	49193	9194	-42.541	2.453	0.148	1.672	37.686	1756.012	1
49194_9194	49194	9194	-16.15	5.869	-0.149	-1.125	22.313	273.613	1
49194_9195	49194	9195	-42.541	-0.829	0.08	-3.792	38.483	1764.249	1
49195_9195	49195	9195	-16.15	5.869	-0.133	-0.909	20.83	215.214	1
49195_9196	49195	9196	-42.541	35.416	0.123	-2.019	39.705	1412.22	1
49196_9196	49196	9196	-16.15	5.854	-0.158	-1.119	19.509	156.872	1
49196_9197	49196	9197	-42.539	33.234	-0.097	-6.103	38.639	1046.624	1
49197_9197	49197	9197	-16.15	5.854	-0.143	-1.035	17.771	92.479	1
49197_9198	49197	9198	-42.539	33.234	-0.058	-5.152	37.998	681.059	1
49198_9198	49198	9198	-16.15	5.909	-0.199	-0.914	16.195	28.086	1
49198_9199	49198	9199	-42.534	31.652	-0.771	-6.292	27.386	245.512	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49199_9199	49199	9199	-16.199	5.774	-0.188	-1.11	13.441	-49.38	1
49199_9200	49199	9200	-42.798	31.295	-0.74	-6.519	21.225	-2.554	1
49200_9200	49200	9200	-16.292	5.637	-0.21	-0.651	11.889	-97.011	1
49200_9201	49200	9201	-43.31	32.5	-0.75	-5.824	12.441	-311.109	1
49201_9201	49201	9201	-16.429	5.224	-0.209	-0.969	9.396	-158.221	1
49201_9202	49201	9202	-44.117	31.455	-0.747	-6.405	2.353	-713.847	1
49202_9202	49202	9202	-16.554	4.824	-0.075	-0.757	6.631	-227.519	1
49202_9203	49202	9203	-44.886	31.148	2.458	-5.596	32.247	-1092.171	1
49203_9203	49203	9203	-16.673	4.395	-0.088	-0.674	5.687	-287.982	1
49203_9204	49203	9204	-45.696	32.435	2.613	-5.865	65.88	-1498.001	1
49204_9204	49204	9204	-80.113	-4.786	4.467	3.084	-153.422	-74.154	1
49204_9205	49204	9205	-21.476	0.853	-0.501	-0.546	22.462	128.288	1
49205_9205	49205	9205	-80.108	-4.786	4.551	1.821	-110.987	-50.377	1
49205_9206	49205	9206	-21.477	0.853	-0.478	-0.282	18.758	115.862	1
49206_9206	49206	9206	-80.108	-4.786	4.551	1.821	-75.715	-13.285	1
49206_9207	49206	9207	-21.477	0.853	-0.478	-0.282	15.054	109.249	1
49207_9207	49207	9207	-80.094	-5.117	1.426	2.684	-40.444	23.815	1
49207_9208	49207	9208	-21.477	0.832	-0.369	-0.706	12.102	102.592	1
49208_9208	49208	9208	-80.092	-5.117	1.526	2.765	-29.037	64.744	1
49208_9209	49208	9209	-21.477	0.832	-0.342	-0.578	9.364	95.937	1
49209_9209	49209	9209	-80.09	-5.117	1.626	2.897	-16.829	105.673	1
49209_9210	49209	9210	-21.478	0.832	-0.315	-0.458	6.841	89.283	1
49210_9210	49210	9210	-80.085	-5.345	0.77	1.773	-3.82	146.597	1
49210_9211	49210	9211	-21.478	0.805	-0.295	-0.821	5.069	84.455	1
49211_9211	49211	9211	-80.083	-5.345	0.903	2.07	0.798	178.661	1
49211_9212	49211	9212	-21.479	0.805	-0.26	-0.68	3.512	79.629	1
49212_9212	49212	9212	-80.082	-5.345	1.037	2.422	6.216	210.726	1
49212_9213	49212	9213	-21.479	0.805	-0.224	-0.547	2.169	74.803	1
49213_9213	49213	9213	-80.08	-5.345	1.17	2.826	12.436	242.79	1
49213_9214	49213	9214	-21.48	0.805	-0.188	-0.422	1.041	69.976	1
49214_9214	49214	9214	-80.078	-5.551	1.315	0.965	19.456	274.865	1
49214_9215	49214	9215	-21.481	0.783	-0.363	-0.818	-1.861	63.724	1
49215_9215	49215	9215	-80.074	-5.551	1.514	1.759	29.962	319.217	1
49215_9216	49215	9216	-21.482	0.783	-0.31	-0.66	-4.34	57.462	1
49216_9216	49216	9216	-80.07	-5.551	1.714	2.668	42.076	363.624	1
49216_9217	49216	9217	-21.482	0.783	-0.256	-0.516	-6.389	51.2	1
49217_9217	49217	9217	-80.065	-5.749	2.042	-0.559	55.791	408.075	1
49217_9218	49217	9218	-21.487	0.781	-0.614	-0.693	-11.147	45.151	1
49218_9218	49218	9218	-80.057	-5.749	2.351	1.192	71.616	452.633	1
49218_9219	49218	9219	-21.489	0.781	-0.531	-0.518	-15.26	39.1	1
49219_9219	49219	9219	-80.056	-5.749	2.384	1.971	89.844	516.54	1
49219_9220	49219	9220	-21.49	0.781	-0.522	-0.628	-20.219	36.873	1
49220_9220	49220	9220	-13.166	-6.88	-0.17	1.634	14.711	-325.588	1
49220_9221	49220	9221	-36.232	-33.197	-2.408	6.512	32.566	-622.118	1
49221_9221	49221	9221	-12.985	-7.149	-0.132	0.544	12.601	-236.697	1
49221_9222	49221	9222	-35.395	-32.094	-2.191	3.51	4.604	-237.188	1
49222_9222	49222	9222	-12.794	-7.411	0.233	1.365	10.906	-147.093	1
49222_9223	49222	9223	-34.544	-32.389	0.888	4.674	16.673	174.053	1
49223_9223	49223	9223	-12.603	-7.73	0.294	0.681	14.034	-52.713	1
49223_9224	49223	9224	-33.719	-32.363	1.03	4.651	28.948	518.701	1
49224_9224	49224	9224	-12.481	-7.87	0.221	0.997	17.49	38.108	1
49224_9225	49224	9225	-33.229	-32.91	0.545	2.838	33.382	758.543	1
49225_9225	49225	9225	-12.414	-7.974	0.263	1.183	19.323	103.111	1
49225_9226	49225	9226	-32.952	-33.185	0.656	5.113	42.899	1239.211	1
49226_9226	49226	9226	-12.418	-8.099	0.078	0.596	23.129	218.614	1
49226_9227	49226	9227	-32.968	-35.152	-0.142	0.146	41.279	1639.121	1
49227_9227	49227	9227	-12.417	-8.099	0.111	1.415	24.014	310.713	1
49227_9228	49227	9228	-32.969	-11.64	-0.056	4.465	40.648	1771.498	1
49228_9228	49228	9228	-12.418	-8.411	0.023	-0.01	25.271	402.844	1
49228_9229	49228	9229	-32.971	-1.15	-0.189	-3.042	38.499	1784.662	1
49229_9229	49229	9229	-12.418	-8.411	0.055	1.304	25.528	498.439	1
49229_9230	49229	9230	-32.971	-1.15	-0.102	1.662	37.338	1797.739	1
49230_9230	49230	9230	-12.418	-8.865	0.1	-1.202	26.156	594.018	1
49230_9231	49230	9231	-32.969	33.03	-0.478	-5.86	31.584	1399.941	1
49231_9231	49231	9231	-12.417	-8.865	0.128	0.415	27.356	700.766	1
49231_9232	49231	9232	-32.97	40.222	-0.402	-2.63	27.977	1038.882	1
49232_9232	49232	9232	-12.381	-8.915	0.175	3.23	28.522	780.619	1
49232_9233	49232	9233	-33.139	42.098	-0.278	1.146	27.126	910.104	1
49233_9233	49233	9233	-12.283	-9.595	-0.25	-2.729	29.012	808.02	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49233_9234	49233	9234	-33.53	40.431	-1.573	-5.764	12.053	524.725	1
49234_9234	49234	9234	-12.152	-9.761	-0.217	-0.72	26.656	899.47	1
49234_9235	49234	9235	-34.08	39.971	-1.486	-4.544	1.03	229.363	1
49235_9235	49235	9235	-12.005	-9.941	-0.18	1.742	25.158	976.582	1
49235_9236	49235	9236	-34.71	41.874	-1.4	-4.03	-8.242	86.714	1
49236_9236	49236	9236	-11.832	-10.408	-0.907	-3.302	23.791	1038.47	1
49236_9237	49236	9237	-35.32	41.072	-0.533	-4.329	-13.577	-318.302	1
49237_9237	49237	9237	-11.642	-10.625	-0.859	0.844	15.117	1141.105	1
49237_9238	49237	9238	-36.073	40.413	-0.405	-5.311	-17.537	-696.672	1
49238_9238	49238	9238	-11.356	-12.374	1.283	-5.395	6.338	1231.673	1
49238_9239	49238	9239	-36.692	37.816	3.892	-8.614	16.536	-1019.03	1
49239_9239	49239	9239	-11.191	-12.522	1.309	-2.914	18.076	1342.752	1
49239_9240	49239	9240	-37.191	39.224	4.178	-11.175	33.269	-1137.497	1
49240_9240	49240	9240	-83.009	-12.382	-2.834	-10.025	-82.707	-325.212	1
49240_9241	49240	9241	-30.506	-0.768	1.071	2.625	11.268	55.895	1
49241_9241	49241	9241	-83.271	-8.298	2.677	4.419	-100.649	-246.129	1
49241_9242	49241	9242	-30.445	-1.413	-0.206	0.62	10.617	10.617	1
49242_9242	49242	9242	-83.265	-8.298	2.838	3.84	-92.188	-224.434	1
49242_9243	49242	9243	-30.445	-1.413	-0.147	0.744	8.798	76.072	1
49243_9243	49243	9243	-83.258	-8.298	3.058	3.518	-57.13	-121.929	1
49243_9244	49243	9244	-30.446	-1.413	-0.067	0.946	8.199	88.768	1
49244_9244	49244	9244	-83.167	-7.784	1.245	3.366	-29.655	-47.389	1
49244_9245	49244	9245	-30.443	-1.523	-0.046	0.57	7.722	104.66	1
49245_9245	49245	9245	-83.163	-7.784	1.476	3.46	-16.64	33.962	1
49245_9246	49245	9246	-30.443	-1.523	0.039	0.86	8.079	118.625	1
49246_9246	49246	9246	-83.112	-7.918	0.364	2.537	-3.105	105.283	1
49246_9247	49246	9247	-30.44	-1.565	0.048	0.503	8.59	135.102	1
49247_9247	49247	9247	-83.11	-7.918	0.641	3.166	0.732	188.793	1
49247_9248	49247	9248	-30.439	-1.565	0.15	0.954	9.952	149.313	1
49248_9248	49248	9248	-83.117	-8.181	1.131	1.945	6.554	260.668	1
49248_9249	49248	9249	-30.44	-1.643	0.239	0.397	12.221	164.881	1
49249_9249	49249	9249	-83.114	-8.181	1.334	2.773	17.287	338.293	1
49249_9250	49249	9250	-30.439	-1.643	0.314	0.8	15.399	181.535	1
49250_9250	49250	9250	-83.124	-8.579	2.409	1.164	30.811	421.131	1
49250_9251	49250	9251	-30.438	-1.762	0.447	0.239	19.817	198.911	1
49251_9251	49251	9251	-83.118	-8.579	2.613	2.403	54.604	505.86	1
49251_9252	49251	9252	-30.437	-1.762	0.522	0.726	24.905	216.089	1
49252_9252	49252	9252	-83.022	-9.237	-2.808	-11.326	80.075	589.249	1
49252_9253	49252	9253	-30.415	-1.825	-0.732	-2.668	22.592	221.793	1
49253_9253	49253	9253	-83.028	-9.237	-2.654	-10.224	71.202	619.941	1
49253_9254	49253	9254	-30.416	-1.825	-0.676	-2.267	16.174	239.681	1
49254_9254	49254	9254	-22.072	-7.476	-0.925	3.188	15.609	-440.362	1
49254_9255	49254	9255	-38.883	-23.202	-4.608	12.143	-25.611	-773.037	1
49255_9255	49255	9255	-21.952	-8.494	0.516	1.677	4.786	-351.425	1
49255_9256	49255	9256	-38.648	-27.063	2.275	4.824	-0.467	-484.444	1
49256_9256	49256	9256	-21.769	-8.947	0.591	0.542	10.372	-260.822	1
49256_9257	49256	9257	-38.071	-27.858	2.404	3.123	26.169	-178.016	1
49257_9257	49257	9257	-21.631	-9.127	0.275	1.747	16.819	-162.399	1
49257_9258	49257	9258	-37.742	-27.496	0.004	4.133	25.091	-83.076	1
49258_9258	49258	9258	-21.483	-9.47	0.31	1.135	18.172	-127.209	1
49258_9259	49258	9259	-37.299	-28.093	0.065	3.568	25.818	185.918	1
49259_9259	49259	9259	-21.354	-9.755	0.366	0.768	21.319	-31.519	1
49259_9260	49259	9260	-36.921	-28.587	0.162	3.716	26.948	378.213	1
49260_9260	49260	9260	-21.279	-9.876	-0.027	0.795	23.788	34.104	1
49260_9261	49260	9261	-36.702	-29.228	0.125	1.299	27.392	467.269	1
49261_9261	49261	9261	-21.239	-9.96	0.04	0.912	23.704	67.479	1
49261_9262	49261	9262	-36.585	-29.374	0.242	2.697	30.165	807.555	1
49262_9262	49262	9262	-21.239	-9.96	0.107	1.485	24.161	181.635	1
49262_9263	49262	9263	-36.584	-29.374	0.357	5.243	33.688	1097.509	1
49263_9263	49263	9263	-21.241	-10.128	0.015	0.547	25.217	279.975	1
49263_9264	49263	9264	-36.589	-30.869	-0.035	0.663	33.282	-1460.144	1
49264_9264	49264	9264	-21.241	-10.128	0.053	1.268	25.394	398.929	1
49264_9265	49264	9265	-36.589	-30.869	0.032	3.3	33.639	1809.378	1
49265_9265	49265	9265	-21.243	-10.457	0.014	-0.149	25.999	513.578	1
49265_9266	49265	9266	-36.594	3.666	-0.067	-2.275	32.849	1766.471	1
49266_9266	49266	9266	-21.243	-10.457	0.05	0.936	26.166	636.617	1
49266_9267	49266	9267	-36.594	3.666	-0.005	0.735	32.795	1725.063	1
49267_9267	49267	9267	-21.25	-10.924	-0.165	-1.301	26.735	754.856	1
49267_9268	49267	9268	-36.621	1.539	-0.898	-5.144	26.787	1715.107	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49268_9268	49268	9268	-21.25	-10.924	-0.153	-0.835	25.632	827.921	1
49268_9269	49268	9269	-36.621	36.966	-0.878	-4.18	20.88	1466.358	1
49269_9269	49269	9269	-21.147	-11.123	-0.119	0.36	24.608	902.276	1
49269_9270	49269	9270	-37.036	47.231	-0.827	-2.001	12.872	1086.892	1
49270_9270	49270	9270	-20.959	-11.925	-0.348	-3.087	23.383	1009.689	1
49270_9271	49270	9271	-37.845	45.511	-1.406	-5.929	-1.76	610.3	1
49271_9271	49271	9271	-20.745	-12.295	-0.311	-1.516	19.798	1138.047	1
49271_9272	49271	9272	-38.652	45.722	-1.336	-5.043	-12.782	302.381	1
49272_9272	49272	9272	-20.596	-12.544	-0.261	1.188	17.407	1238.296	1
49272_9273	49272	9273	-39.209	46.589	-1.249	-3.874	-19.17	138.463	1
49273_9273	49273	9273	-20.347	-12.998	1.019	-4.673	15.676	1303.186	1
49273_9274	49273	9274	-39.849	46.265	2.91	-4.7	15.418	-386.612	1
49274_9274	49274	9274	-20.011	-13.503	1.098	0.061	28.229	1458.175	1
49274_9275	49274	9275	-40.983	45.254	3.046	-6.524	55.118	-980.264	1
49275_9275	49275	9275	-93.905	8.082	-3.055	-1.13	113.49	710.961	1
49275_9276	49275	9276	-25.436	-1.028	0.582	1.393	-18.344	59.374	1
49276_9276	49276	9276	-93.908	8.082	-2.947	-0.356	98.57	671.501	1
49276_9277	49276	9277	-25.435	-1.028	0.611	1.461	-15.52	64.123	1
49277_9277	49277	9277	-93.913	8.082	-2.794	0.943	84.955	625.315	1
49277_9278	49277	9278	-25.434	-1.028	0.653	1.504	-9.507	71.196	1
49278_9278	49278	9278	-93.882	8.504	-1.541	-3.416	59.218	551.061	1
49278_9279	49278	9279	-25.451	-1.067	0.181	0.713	-7.462	83.295	1
49279_9279	49279	9279	-93.887	8.504	-1.139	-1.468	41.791	454.903	1
49279_9280	49279	9280	-25.45	-1.067	0.29	1.07	-4.085	95.727	1
49280_9280	49280	9280	-93.879	8.644	-0.511	-3.345	28.518	355.888	1
49280_9281	49280	9281	-25.458	-1.325	0.068	0.472	-3.294	111.262	1
49281_9281	49281	9281	-93.88	8.644	-0.133	-2.32	22.534	254.688	1
49281_9282	49281	9282	-25.457	-1.325	0.17	0.92	-1.264	127.081	1
49282_9282	49282	9282	-93.926	9.385	-1.509	-2.074	20.945	181.716	1
49282_9283	49282	9283	-25.457	-1.465	0.237	0.08	1.672	153.495	1
49283_9283	49283	9283	-93.932	9.385	-1.059	-1.762	2.227	65.285	1
49283_9284	49283	9284	-25.455	-1.465	0.358	0.815	5.699	169.958	1
49284_9284	49284	9284	-94.048	10.138	-5.26	-1.7	-9.676	-40.165	1
49284_9285	49284	9285	-25.425	-1.723	1.528	-0.007	21.177	187.433	1
49285_9285	49285	9285	-94.063	10.138	-4.982	-2.122	-62.946	-142.827	1
49285_9286	49285	9286	-25.42	-1.723	1.604	0.548	36.215	203.59	1
49286_9286	49286	9286	-94.06	11.947	4.203	3.044	-109.666	-237.906	1
49286_9287	49286	9287	-25.421	-2.077	-1.233	-1.242	31.253	211.952	1
49287_9287	49287	9287	-94.063	11.947	4.15	3.433	-92.75	-280.871	1
49287_9288	49287	9288	-25.42	-2.077	-1.248	-1.431	19.402	233.063	1
49288_9288	49288	9288	-1.723	-3.859	1.497	-2.406	-13.638	-497.814	1
49288_9289	49288	9289	-10.397	-50.065	-7.179	10.66	-46.905	72.527	1
49289_9289	49289	9289	-1.667	-0.111	-0.134	0.039	-3.029	-57.422	1
49289_9290	49289	9290	-9.307	-49.957	3.227	2.121	-1.054	258.198	1
49290_9290	49290	9290	-1.663	-0.156	-0.13	0.022	-4.618	-56.103	1
49290_9291	49290	9291	-8.08	-40.816	2.797	2.369	34.931	307.411	1
49291_9291	49291	9291	-1.656	-0.179	0.034	0.086	-6.124	-54.298	1
49291_9292	49291	9292	-7.55	-38.945	0.189	2.056	34.4	303.976	1
49292_9292	49292	9292	-1.653	-0.204	0.038	0.029	-5.98	-53.861	1
49292_9293	49292	9293	-6.981	-35.87	0.215	2.315	34.971	480.895	1
49293_9293	49293	9293	-1.651	-0.222	0.041	-0.016	-5.675	-52.224	1
49293_9294	49293	9294	-6.604	-33.494	0.226	2.724	35.719	657.543	1
49294_9294	49294	9294	-1.651	-0.222	0.018	0.189	-5.345	-50.458	1
49294_9295	49294	9295	-6.623	-36.108	-0.759	-0.376	32.678	802.344	1
49295_9295	49295	9295	-1.651	-0.222	0.023	0.029	-5.273	-49.123	1
49295_9296	49295	9296	-6.625	-36.108	-0.737	2.124	25.173	1171.926	1
49296_9296	49296	9296	-1.651	-0.222	0.027	-0.081	-5.034	-46.86	1
49296_9297	49296	9297	-6.627	-36.108	-0.721	4.857	19.213	1470.243	1
49297_9297	49297	9297	-1.651	-0.221	0.047	0.083	-4.809	-45.032	1
49297_9298	49297	9298	-6.619	-38.505	-0.308	-0.977	15.677	1912.994	1
49298_9298	49298	9298	-1.65	-0.221	0.053	-0.061	-4.265	-42.495	1
49298_9299	49298	9299	-6.62	-38.505	-0.285	5.531	12.631	2324.205	1
49299_9299	49299	9299	-1.651	-0.221	0.049	0.082	-3.701	-40.143	1
49299_9300	49299	9300	-6.621	-35.499	-0.25	-3.887	9.933	2707.978	1
49300_9300	49300	9300	-1.65	-0.221	0.054	-0.04	-3.172	-37.758	1
49300_9301	49300	9301	-6.622	-14.404	-0.228	4.861	7.007	2892.429	1
49301_9301	49301	9301	-1.651	-0.223	0.045	0.082	-2.477	-34.935	1
49301_9302	49301	9302	-6.623	0.131	-0.254	-6.565	3.991	2891.292	1
49302_9302	49302	9302	-1.65	-0.223	0.051	-0.044	-1.944	-32.285	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49302_9303	49302	9303	-6.624	0.131	-0.229	4.713	1.304	2889.761	1
49303_9303	49303	9303	-1.65	-0.228	0.041	0.063	-1.341	-29.663	1
49303_9304	49303	9304	-6.624	33.15	-0.139	-6.483	-0.445	2473.816	1
49304_9304	49304	9304	-1.65	-0.228	0.047	-0.026	-0.826	-26.802	1
49304_9305	49304	9305	-6.624	33.15	-0.117	1.81	-1.738	2107.749	1
49305_9305	49305	9305	-1.651	-0.238	0.018	0.072	-0.312	-24.291	1
49305_9306	49305	9306	-6.623	30.508	-0.028	-7.726	-2.05	1770.926	1
49306_9306	49306	9306	-1.651	-0.238	0.025	-0.017	-0.11	-21.656	1
49306_9307	49306	9307	-6.623	30.508	-0.001	-0.517	-2.066	1387.984	1
49307_9307	49307	9307	-1.653	-0.256	-0.077	0.046	0.204	-18.665	1
49307_9308	49307	9308	-6.614	28.962	0.428	-5.928	3.023	1043.804	1
49308_9308	49308	9308	-1.653	-0.256	-0.072	0.005	-0.707	-15.621	1
49308_9309	49308	9309	-6.613	28.962	0.445	-3.232	8.231	704.882	1
49309_9309	49309	9309	-1.657	-0.231	-0.221	0.09	-1.554	-12.627	1
49309_9310	49309	9310	-6.602	28.419	0.899	-5.322	18.968	365.559	1
49310_9310	49310	9310	-1.657	-0.231	-0.216	0.057	-4.198	-9.865	1
49310_9311	49310	9311	-6.599	28.419	0.921	-4.102	29.702	34.389	1
49311_9311	49311	9311	-1.7	5.004	-7.097	2.46	23.541	-8.003	1
49311_9312	49311	9312	-6.796	29.138	-8.954	0.109	0	-62.335	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
9000_9000	9000	9000	1.518	61.908	-0.122	-0.684	0	5.567	1
9000_9001	9000	9001	-2.591	5.795	-0.766	-0.214	-6.354	-25.338	1
9001_9001	9001	9001	-35.293	57.091	-0.18	-0.97	-1.493	-293.987	1
9001_9002	9001	9002	-6.655	5.795	-0.766	-0.222	-13.164	-58.127	1
9002_9002	9002	9002	-66.395	51.831	0.224	-0.74	-4.603	-547.642	1
9002_9003	9002	9003	-11.929	5.54	0.367	-0.209	-8.728	-100.709	1
9003_9003	9003	9003	-102.105	46.043	0.265	-1.257	-2.85	-837.946	1
9003_9004	9003	9004	54.039	7.306	-0.069	0.395	-0.701	440.11	1
9004_9004	9004	9004	-128.424	43.262	0.047	-0.552	-0.424	-1051.928	1
9004_9005	9004	9005	87.192	11.351	0.027	0.087	-0.731	710.275	1
9005_9005	9005	9005	-148.734	38.124	0.064	-1.192	-0.509	-1216.977	1
9005_9006	9005	9006	115.978	17.106	0.012	0.607	-0.781	945.605	1
9006_9006	9006	9006	-161.521	36.442	-0.028	-0.428	-0.483	-1320.904	1
9006_9007	9006	9007	138.806	20.109	0.069	0.006	-0.206	1132.446	1
9007_9007	9007	9007	-170.33	31.72	-0.017	-0.806	-1.51	-1392.384	1
9007_9008	9007	9008	153.297	25.421	0.062	0.359	0.526	1251.378	1
9008_9008	9008	9008	-172.954	30.812	-0.042	-0.354	-2.5	-1413.641	1
9008_9009	9008	9009	163.187	27.042	0.086	-0.086	1.558	1332.666	1
9009_9009	9009	9009	-173.085	26.366	-0.031	-0.404	-3.697	-1414.513	1
9009_9010	9009	9010	166.156	31.987	0.078	-0.033	2.642	1357.667	1
9010_9010	9010	9010	-167.957	25.541	-0.061	0.205	-4.81	-1372.691	1
9010_9011	9010	9011	165.721	33.161	0.114	-0.621	4.119	1354.801	1
9011_9011	9011	9011	-161.162	21.327	-0.047	-0.451	-6.101	-1317.211	1
9011_9012	9011	9012	159.214	37.887	0.105	0.042	5.593	1302.588	1
9012_9012	9012	9012	-149.842	20.303	-0.079	0.341	-7.215	-1224.995	1
9012_9013	9012	9013	150.118	39.005	0.164	-0.804	7.653	1229.189	1
9013_9013	9013	9013	-138.017	16.385	-0.056	-0.248	-8.301	-1128.473	1
9013_9014	9013	9014	135.571	43.601	0.15	-0.185	9.565	1111.505	1
9014_9014	9014	9014	-114.9	13.962	0.045	0.269	-8.839	-940.204	1
9014_9015	9014	9015	106.173	45.264	-0.042	-0.775	8.733	873.678	1
9015_9015	9015	9015	-122.127	11.222	0.034	-0.056	-5.338	-925.731	1
9015_9016	9015	9016	111.975	51.015	-0.028	-0.155	5.518	881.508	1
9016_9016	9016	9016	-97.191	9.315	0.122	0.24	-4.911	-756.882	1
9016_9017	9016	9017	71.595	52.426	-0.195	-0.441	3.097	641.914	1
9017_9017	9017	9017	-67.044	6.022	0.082	0.04	-3.644	-590.129	1
9017_9018	9017	9018	31.208	56.912	-0.193	-0.279	0.53	381.556	1
9018_9018	9018	9018	-39.315	3.472	-0.089	0.17	-3.085	-426.096	1
9018_9019	9018	9019	4.374	60.471	0.4	-0.466	5.77	140.696	1
9019_9019	9019	9019	-24.849	1.878	-0.003	0.092	-3.833	-334.07	1
9019_9020	9019	9020	-16.018	64.806	0.333	-0.524	9.678	-146.552	1
9020_9020	9020	9020	-36.948	50.837	0.549	-0.098	-16.498	-18.575	1
9020_9021	9020	9021	108.873	11.179	-0.699	-0.184	17.33	393.109	1
9021_9021	9021	9021	-54.213	47.297	0.4	-0.214	-7.658	-174.173	1
9021_9022	9021	9022	111.574	13.443	-0.555	0.082	8.542	442.327	1
9022_9022	9022	9022	-63.973	43.766	0.35	-0.186	-3.674	-257.472	1
9022_9023	9022	9023	111.672	15.66	-0.536	0.061	3.804	468.383	1
9023_9023	9023	9023	-72.331	40.907	0.021	-0.074	-0.428	-327.316	1
9023_9024	9023	9024	110.802	17.387	-0.092	-0.096	2.568	489.053	1
9024_9024	9024	9024	-80.46	37.089	0.007	-0.101	0.149	-391.748	1
9024_9025	9024	9025	109.051	20.059	-0.082	-0.073	1.517	502.913	1
9025_9025	9025	9025	-86.695	33.354	-0.004	-0.183	0.495	-438.957	1
9025_9026	9025	9026	105.981	23.032	-0.078	0.032	0.572	506.021	1
9026_9026	9026	9026	-95.686	32.499	-0.016	0.037	0.578	-502.146	1
9026_9027	9026	9027	107.774	24.533	-0.023	-0.183	0.219	539.659	1
9027_9027	9027	9027	-98.485	29.712	-0.014	-0.096	0.547	-519.794	1
9027_9028	9027	9028	105.299	27.012	-0.026	-0.062	-0.051	535.841	1
9028_9028	9028	9028	-100.251	27.038	-0.02	-0.102	0.49	-528.058	1
9028_9029	9028	9029	102.341	29.69	-0.02	-0.053	-0.255	526.083	1
9029_9029	9029	9029	-101.398	24.544	-0.025	-0.125	0.363	-529.466	1
9029_9030	9029	9030	98.256	32.471	-0.016	-0.02	-0.4	506.251	1
9030_9030	9030	9030	-97.945	23.076	-0.072	0.005	0.118	-493.399	1
9030_9031	9030	9031	88.085	33.26	-0.008	-0.161	-0.466	441.636	1
9031_9031	9031	9031	-99.297	20.087	-0.084	-0.026	-0.663	-487.517	1
9031_9032	9031	9032	80.265	37	0.007	-0.144	-0.263	392.401	1
9032_9032	9032	9032	-99.326	17.393	-0.088	-0.124	-1.621	-470.582	1
9032_9033	9032	9033	70.49	40.817	0.016	-0.049	0.131	325.528	1
9033_9033	9033	9033	-98.499	15.634	-0.54	0.096	-2.722	-446.671	1
9033_9034	9033	9034	60.536	43.707	0.353	-0.207	3.264	253.613	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9034_9034	9034	9034	-96.71	13.386	-0.551	0.065	-7.387	-416.56	1
9034_9035	9034	9035	49.065	47.233	0.399	-0.204	7.12	167.207	1
9035_9035	9035	9035	-91.53	11.086	-0.707	-0.203	-15.908	-364.452	1
9035_9036	9035	9036	30.023	50.807	0.56	-0.081	15.936	9.968	1
9036_9036	9036	9036	40.181	60.744	0.31	-0.505	-7.603	213.201	1
9036_9037	9036	9037	22.313	6.315	-0.033	-0.145	0.528	235.707	1
9037_9037	9037	9037	26.466	56.593	0.365	-0.481	-3.895	-19.435	1
9037_9038	9037	9038	21.488	6.471	-0.035	-0.063	-0.021	175.073	1
9038_9038	9038	9038	8.038	53.224	-0.173	-0.338	0.892	-206.348	1
9038_9039	9038	9039	42.891	7.841	0.087	0.045	2.533	505.85	1
9039_9039	9039	9039	-22.826	49.22	-0.174	-0.431	-1.365	-417.294	1
9039_9040	9039	9040	64.671	10.987	0.128	0.214	3.712	635.073	1
9040_9040	9040	9040	-55.652	48.2	-0.136	-0.353	-3.426	-622.448	1
9040_9041	9040	9041	82.225	12.686	0.086	0.093	4.364	767.816	1
9041_9041	9041	9041	-65.305	41.893	-0.063	-0.26	-2.222	-553.399	1
9041_9042	9041	9042	92.384	15.073	0.047	0.056	2.829	707.578	1
9042_9042	9042	9042	-94.923	40.069	0.009	-0.151	-3.177	-738.381	1
9042_9043	9042	9043	109.54	17.475	-0.011	-0.042	2.854	826.888	1
9043_9043	9043	9043	-109.491	35.271	0.007	-0.256	-3.057	-826.496	1
9043_9044	9043	9044	115.883	21.618	-0.01	0.062	2.837	872.192	1
9044_9044	9044	9044	-118.629	33.893	0.003	-0.08	-2.973	-879.122	1
9044_9045	9044	9045	122.083	22.804	-0.005	-0.114	2.835	913.391	1
9045_9045	9045	9045	-125.871	29.145	0	-0.199	-2.918	-918.842	1
9045_9046	9045	9046	123.629	27.309	-0.003	0.004	2.855	922.838	1
9046_9046	9046	9046	-127.765	27.932	-0.005	-0.006	-2.895	-923.912	1
9046_9047	9046	9047	124.044	28.474	0.002	-0.189	2.91	922.997	1
9047_9047	9047	9047	-128.171	23.38	-0.007	-0.125	-2.911	-918.709	1
9047_9048	9047	9048	119.288	33.211	0.004	-0.07	3	888.84	1
9048_9048	9048	9048	-123.54	22.144	-0.016	0.058	-2.945	-880.803	1
9048_9049	9048	9049	112.705	34.533	0.013	-0.253	3.179	841.948	1
9049_9049	9049	9049	-118.451	17.949	-0.016	-0.055	-3.035	-838.894	1
9049_9050	9049	9050	100.609	39.359	0.016	-0.139	3.398	759.273	1
9050_9050	9050	9050	-102.075	15.482	0.044	0.078	-3.048	-721.565	1
9050_9051	9050	9051	73.315	41.185	-0.059	-0.277	2.516	579.523	1
9051_9051	9051	9051	-98.942	12.812	0.043	0.01	-2.664	-752.896	1
9051_9052	9051	9052	70.606	47.517	-0.067	-0.251	2.28	621.579	1
9052_9052	9052	9052	-80.175	10.861	0.065	0.123	-2.299	-626.948	1
9052_9053	9052	9053	36.762	48.691	-0.094	-0.362	1.163	425.88	1
9053_9053	9053	9053	-51.128	7.593	0.06	0.145	-2.285	-531.653	1
9053_9054	9053	9054	2.048	53.274	-0.131	-0.597	-0.161	235.29	1
9054_9054	9054	9054	-30.188	4.822	-0.082	0.156	-1.936	-395.314	1
9054_9055	9054	9055	-15.984	56.933	0.298	-0.605	3.776	40.91	1
9055_9055	9055	9055	-34.782	4.043	-0.009	-0.173	1.007	-208.603	1
9055_9056	9055	9056	-29.96	61.491	0.255	-0.667	6.83	-202.159	1
9056_9056	9056	9056	-44.197	50.336	0.389	-0.147	-11.079	-78.636	1
9056_9057	9056	9057	101.286	11.372	-0.483	-0.247	11.26	400.021	1
9057_9057	9057	9057	-61.83	46.947	0.323	-0.347	-5.76	-237.788	1
9057_9058	9057	9058	105.998	13.842	-0.439	0.013	6.161	467.983	1
9058_9058	9058	9058	-71.371	43.468	0.292	-0.462	-2.628	-325.922	1
9058_9059	9058	9059	107.794	16.186	-0.439	0.222	2.324	504.504	1
9059_9059	9059	9059	-79.317	40.738	0.009	-0.093	-0.026	-397.773	1
9059_9060	9059	9060	108.436	17.934	-0.055	-0.27	1.512	533.617	1
9060_9060	9060	9060	-86.997	36.996	0.005	-0.301	0.299	-463.683	1
9060_9061	9060	9061	108.025	20.672	-0.055	-0.059	0.783	553.902	1
9061_9061	9061	9061	-92.865	33.33	-0.006	-0.336	0.508	-511.266	1
9061_9062	9061	9062	106.241	23.695	-0.048	0.006	0.167	561.999	1
9062_9062	9062	9062	-101.265	32.665	-0.009	-0.112	0.505	-576.038	1
9062_9063	9062	9063	108.92	25.081	-0.016	-0.205	-0.084	601.894	1
9063_9063	9063	9063	-103.999	29.935	-0.019	0.078	0.458	-593.787	1
9063_9064	9063	9064	107.318	27.564	-0.005	-0.414	-0.181	600.968	1
9064_9064	9064	9064	-105.737	27.302	-0.01	-0.401	0.327	-601.391	1
9064_9065	9064	9065	105.071	30.205	-0.015	0.064	-0.321	592.435	1
9065_9065	9065	9065	-106.873	24.835	-0.019	-0.222	0.235	-601.537	1
9065_9066	9065	9066	101.804	32.944	-0.006	-0.095	-0.382	573.649	1
9066_9066	9066	9066	-103.662	23.461	-0.05	0.06	0.009	-561.106	1
9066_9067	9066	9067	92.832	33.597	-0.001	-0.392	-0.383	507.591	1
9067_9067	9067	9067	-104.98	20.459	-0.051	-0.163	-0.579	-552.611	1
9067_9068	9067	9068	86.232	37.263	0.004	-0.209	-0.231	458.607	1
9068_9068	9068	9068	-104.992	17.743	-0.058	-0.213	-1.233	-532.031	1

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9068_9069	9068	9069	77.816	41.009	0.013	-0.149	0.069	391.224	1
9069_9069	9069	9069	-104.124	16.088	-0.442	0.119	-2.029	-503.559	1
9069_9070	9069	9070	69.253	43.66	0.293	-0.402	2.615	318.752	1
9070_9070	9070	9070	-102.235	13.774	-0.45	0.04	-5.854	-468.217	1
9070_9071	9070	9071	59.128	47.137	0.33	-0.374	5.752	229.964	1
9071_9071	9071	9071	-97.465	11.356	-0.511	-0.236	-11.284	-403.645	1
9071_9072	9071	9072	40.998	50.529	0.41	-0.173	11.443	70.485	1
9072_9072	9072	9072	33.473	61.226	0.259	-0.653	-6.638	178.009	1
9072_9073	9072	9073	14.655	5.51	-0.022	-0.125	1.176	177.411	1
9073_9073	9073	9073	18.061	56.94	0.299	-0.636	-3.46	-73.453	1
9073_9074	9073	9074	13.549	5.574	-0.023	-0.106	0.838	125.953	1
9074_9074	9074	9074	-2.347	53.634	-0.15	-0.47	0.482	-278.511	1
9074_9075	9074	9075	47.022	7.547	0.069	0.048	2.211	539.169	1
9075_9075	9075	9075	-40.826	49.304	-0.113	-0.424	-1.091	-477.828	1
9075_9076	9075	9076	77.489	10.616	0.077	0.218	2.381	642.256	1
9076_9076	9076	9076	-77.648	48.268	-0.064	-0.271	-2.436	-685.324	1
9076_9077	9076	9077	97.991	12.367	0.043	0.034	2.761	779.911	1
9077_9077	9077	9077	-75.372	43.05	-0.092	-0.573	-4.239	-710.86	1
9077_9078	9077	9078	91.686	15.115	0.066	0.15	4.878	814.141	1
9078_9078	9078	9078	-99.39	41.561	0.046	-0.317	-5.579	-889.861	1
9078_9079	9078	9079	107.549	17.198	-0.025	-0.08	4.804	943.501	1
9079_9079	9079	9079	-112.423	37.146	0.046	-0.588	-5.075	-985.558	1
9079_9080	9079	9080	115.111	21.078	-0.03	0.186	4.572	1005.81	1
9080_9080	9080	9080	-121.076	36.23	0.016	-0.302	-4.6	-1047.81	1
9080_9081	9080	9081	122.886	21.999	-0.007	-0.107	4.468	1066.669	1
9081_9081	9081	9081	-128.279	31.855	0.019	-0.382	-4.43	-1098.662	1
9081_9082	9081	9082	126.992	26.154	-0.011	-0.026	4.332	1098.108	1
9082_9082	9082	9082	-129.171	30.869	0	-0.071	-4.277	-1101.555	1
9082_9083	9082	9083	128.425	26.834	0.006	-0.325	4.34	1108.01	1
9083_9083	9083	9083	-130.758	26.285	0.001	-0.333	-4.289	-1109.141	1
9083_9084	9083	9084	127.207	31.451	0.006	-0.061	4.379	1096.884	1
9084_9084	9084	9084	-129.562	25.623	-0.011	0.074	-4.325	-1095.595	1
9084_9085	9084	9085	126.653	32.444	0.019	-0.47	4.514	1089.939	1
9085_9085	9085	9085	-125.79	21.518	-0.009	-0.2	-4.435	-1061.929	1
9085_9086	9085	9086	119.738	36.822	0.019	-0.191	4.688	1034.984	1
9086_9086	9086	9086	-118.311	20.6	-0.033	0.18	-4.539	-999.402	1
9086_9087	9086	9087	111.397	37.736	0.049	-0.581	5.164	968.939	1
9087_9087	9087	9087	-110.811	16.763	-0.027	-0.066	-4.787	-935.075	1
9087_9088	9087	9088	98.7	42.148	0.048	-0.331	5.657	869.802	1
9088_9088	9088	9088	-96.113	14.989	0.053	0.173	-4.888	-813.498	1
9088_9089	9088	9089	77.063	43.494	-0.072	-0.588	4.592	703.105	1
9089_9089	9089	9089	-92.064	12.306	0.043	0.037	-3.616	-822.028	1
9089_9090	9089	9090	70.832	48.789	-0.063	-0.436	3.453	713.054	1
9090_9090	9090	9090	-73.236	10.436	0.087	0.266	-3.186	-675.407	1
9090_9091	9090	9091	37.561	49.865	-0.13	-0.642	1.872	493.019	1
9091_9091	9091	9091	-49.465	7.085	0.075	0.093	-2.89	-534.069	1
9091_9092	9091	9092	4.963	54.172	-0.163	-0.494	0.166	262.364	1
9092_9092	9092	9092	-18.388	5.64	-0.011	-0.082	-0.012	-150.494	1
9092_9093	9092	9093	-14.743	57.633	0.36	-0.574	4.857	52.464	1
9093_9093	9093	9093	-15.655	5.531	-0.01	-0.157	-0.393	-193.75	1
9093_9094	9093	9094	-29.851	62.099	0.315	-0.602	8.676	-207.102	1
9094_9094	9094	9094	-44.043	50.384	0.447	-0.173	-12.596	-75.231	1
9094_9095	9094	9095	101.316	11.356	-0.558	-0.205	12.791	401.576	1
9095_9095	9095	9095	-60.117	47.106	0.463	-0.386	-8.138	-242.078	1
9095_9096	9095	9096	103.159	13.846	-0.634	0.03	8.685	478.875	1
9096_9096	9096	9096	-69.036	43.578	0.41	-0.407	-3.656	-334.057	1
9096_9097	9096	9097	104.594	16.197	-0.622	0.098	3.244	516.348	1
9097_9097	9097	9097	-76.365	40.964	0.009	-0.108	-0.006	-408.464	1
9097_9098	9097	9098	104.947	17.869	-0.078	-0.273	2.095	546.512	1
9098_9098	9098	9098	-83.62	37.186	0.002	-0.312	0.406	-478.119	1
9098_9099	9098	9099	104.414	20.623	-0.076	-0.067	1.085	568.538	1
9099_9099	9099	9099	-89.072	33.488	-0.013	-0.355	0.645	-527.939	1
9099_9100	9099	9100	102.566	23.665	-0.065	0.007	0.248	577.74	1
9100_9100	9100	9100	-96.962	32.92	-0.018	-0.051	0.585	-595.456	1
9100_9101	9100	9101	105.013	24.985	-0.033	-0.272	-0.15	620.301	1
9101_9101	9101	9101	-99.545	30.157	-0.025	-0.093	0.465	-614.739	1
9101_9102	9101	9102	103.45	27.476	-0.026	-0.252	-0.374	620.432	1
9102_9102	9102	9102	-101.099	27.487	-0.031	-0.145	0.258	-622.741	1
9102_9103	9102	9103	101.285	30.138	-0.019	-0.207	-0.522	612.637	1

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9103_9103	9103	9103	-102.154	24.996	-0.029	-0.4	-0.029	-623.54	1
9103_9104	9103	9104	98.15	32.904	-0.023	0.078	-0.643	594.187	1
9104_9104	9104	9104	-99.007	23.678	-0.069	0.07	-0.439	-581.813	1
9104_9105	9104	9105	89.752	33.454	-0.011	-0.414	-0.656	527.923	1
9105_9105	9105	9105	-100.155	20.617	-0.072	-0.174	-1.351	-573.001	1
9105_9106	9105	9106	83.493	37.142	-0.003	-0.214	-0.415	478.727	1
9106_9106	9106	9106	-100.046	17.849	-0.085	-0.22	-2.382	-551.55	1
9106_9107	9106	9107	75.548	40.929	0.011	-0.156	0.06	410.659	1
9107_9107	9107	9107	-99.027	16.163	-0.62	0.084	-3.642	-521.201	1
9107_9108	9107	9108	67.414	43.515	0.41	-0.406	3.756	336.798	1
9108_9108	9108	9108	-96.978	13.787	-0.631	0.009	-9.123	-483.532	1
9108_9109	9108	9109	57.801	47.06	0.463	-0.377	8.278	245.873	1
9109_9109	9109	9109	-94.222	11.264	-0.571	-0.183	-13.451	-405.886	1
9109_9110	9109	9110	40.979	50.36	0.458	-0.195	13.018	79.454	1
9110_9110	9110	9110	34.897	60.262	0.327	-0.672	-9.626	168.741	1
9110_9111	9110	9111	16.432	3.092	-0.008	-0.106	-0.128	140.102	1
9111_9111	9111	9111	20.91	55.838	0.373	-0.594	-5.796	-72.27	1
9111_9112	9111	9112	24.401	5.412	-0.124	0.177	2.8	400.763	1
9112_9112	9112	9112	2.788	52.486	-0.146	-0.525	-1.035	-263.475	1
9112_9113	9112	9113	44.44	8.023	0.069	0.096	3.315	539.866	1
9113_9113	9113	9113	-27.763	48.294	-0.115	-0.653	-2.409	-473.653	1
9113_9114	9113	9114	66.381	11.353	0.082	0.274	3.516	670.162	1
9114_9114	9114	9114	-58.923	47.36	-0.046	-0.504	-3.812	-679.2	1
9114_9115	9114	9115	83.351	13.165	0.029	0.09	3.848	807.272	1
9115_9115	9115	9115	-70.183	41.536	-0.036	-0.368	-3.556	-611.409	1
9115_9116	9115	9116	93.927	15.731	0.027	0.086	3.661	736.663	1
9116_9116	9116	9116	-93.371	40.233	0.038	-0.149	-4.086	-765.807	1
9116_9117	9116	9117	108.401	17.65	-0.027	-0.109	3.505	844.072	1
9117_9117	9117	9117	-105.429	35.695	0.035	-0.426	-3.641	-846.169	1
9117_9118	9117	9118	114.07	21.603	-0.027	0.169	3.278	889.162	1
9118_9118	9118	9118	-112.756	34.78	0.03	-0.054	-3.25	-894.651	1
9118_9119	9118	9119	119.803	22.484	-0.022	-0.206	3.02	932.421	1
9119_9119	9119	9119	-118.665	30.281	0.026	-0.354	-2.89	-933.194	1
9119_9120	9119	9120	121.408	26.709	-0.021	0.092	-2.772	946.892	1
9120_9120	9120	9120	-117.805	29.408	0.016	0.022	-2.601	-926.578	1
9120_9121	9120	9121	120.53	27.251	-0.013	-0.289	2.556	943.655	1
9121_9121	9121	9121	-117.823	24.699	0.012	-0.264	-2.4	-924.94	1
9121_9122	9121	9122	116.568	31.976	-0.009	0	2.394	919.126	1
9122_9122	9122	9122	-114.91	24.085	0.011	0.172	-2.275	-903.192	1
9122_9123	9122	9123	113.611	32.976	-0.008	-0.435	2.236	900.263	1
9123_9123	9123	9123	-109.68	19.897	0.005	-0.225	-2.161	-865.065	1
9123_9124	9123	9124	103.877	37.473	-0.002	-0.028	2.18	836.141	1
9124_9124	9124	9124	-100.706	19.125	-0.005	0.16	-2.137	-800.743	1
9124_9125	9124	9125	92.971	38.298	0.013	-0.434	2.279	763.774	1
9125_9125	9125	9125	-92.341	15.262	-0.005	-0.093	-2.159	-738.07	1
9125_9126	9125	9126	77.286	42.811	0.017	-0.175	2.444	659.311	1
9126_9126	9126	9126	-76.521	13.499	0.05	0.131	-2.154	-622.271	1
9126_9127	9126	9127	51.215	44.202	-0.071	-0.411	1.434	485.834	1
9127_9127	9127	9127	-76.786	10.915	0.039	-0.018	-1.338	-604.927	1
9127_9128	9127	9128	48.008	49.397	-0.059	-0.164	0.782	467.583	1
9128_9128	9128	9128	-57.672	9.514	0.083	0.133	-1.082	-479.468	1
9128_9129	9128	9129	12.065	50.093	-0.112	-0.288	-0.52	257.683	1
9129_9129	9129	9129	-31.278	6.569	0.071	0.006	-0.444	-384.995	1
9129_9130	9129	9130	-21.164	54.419	-0.137	-0.372	-2.384	45.164	1
9130_9130	9130	9130	-28.16	5.765	-0.03	-0.083	-1.21	-217.905	1
9130_9131	9130	9131	-37.289	57.607	0.273	-0.467	1.255	-157.071	1
9131_9131	9131	9131	-26.392	5.544	-0.029	-0.063	-1.625	-268.94	1
9131_9132	9131	9132	-48.815	61.949	0.25	-0.492	4.563	-403.471	1
9132_9132	9132	9132	-30.798	51.83	0.397	-0.229	-9.468	21.812	1
9132_9133	9132	9133	91.524	8.612	-0.436	-0.114	7.404	290.807	1
9133_9133	9133	9133	-50.746	47.949	0.33	-0.213	-4.674	-151.4	1
9133_9134	9133	9134	98.319	11.151	-0.396	-0.012	3.528	364.529	1
9134_9134	9134	9134	-62.674	44.129	0.305	-0.284	-1.781	-248.72	1
9134_9135	9134	9135	101.768	13.628	-0.405	0.104	0.198	410.536	1
9135_9135	9135	9135	-72.576	40.935	-0.016	-0.085	0.664	-328.763	1
9135_9136	9135	9136	103.777	15.817	-0.008	-0.12	-0.058	447.963	1
9136_9136	9136	9136	-81.788	36.853	-0.015	-0.192	0.566	-400.756	1
9136_9137	9136	9137	104.479	18.748	-0.009	-0.012	-0.252	476.082	1
9137_9137	9137	9137	-88.622	32.86	-0.019	-0.211	0.442	-452.691	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9137_9138	9137	9138	103.433	21.991	-0.005	0.025	-0.363	490.936	1
9138_9138	9138	9138	-97.637	32.057	-0.013	0.012	0.258	-516.643	1
9138_9139	9138	9139	106.703	23.567	0.007	-0.191	-0.335	533.029	1
9139_9139	9139	9139	-100.453	29.074	-0.009	-0.138	0.133	-535.387	1
9139_9140	9139	9140	105.216	26.235	0.003	-0.057	-0.31	535.155	1
9140_9140	9140	9140	-101.947	26.204	-0.009	-0.158	0.032	-542.955	1
9140_9141	9140	9141	102.918	29.099	0.003	-0.029	-0.27	529.463	1
9141_9141	9141	9141	-102.596	23.52	-0.015	-0.058	-0.07	-542.328	1
9141_9142	9141	9142	99.294	32.079	0.01	-0.125	-0.188	512.648	1
9142_9142	9142	9142	-98.281	21.969	-0.017	-0.036	-0.254	-502.54	1
9142_9143	9142	9143	89.442	32.833	-0.011	-0.162	-0.237	450.492	1
9143_9143	9143	9143	-98.281	18.704	-0.025	0.014	-0.523	-489.686	1
9143_9144	9143	9144	81.549	36.834	-0.002	-0.219	-0.143	401.361	1
9144_9144	9144	9144	-96.517	15.748	-0.024	-0.1	-0.885	-463.171	1
9144_9145	9144	9145	71.246	40.92	-0.001	-0.111	-0.006	331.951	1
9145_9145	9145	9145	-93.482	13.678	-0.331	0.048	-1.296	-427.051	1
9145_9146	9145	9146	60.341	43.993	0.231	-0.233	1.975	254.985	1
9146_9146	9146	9146	-89.036	11.171	-0.339	0.078	-4.098	-382.297	1
9146_9147	9146	9147	47.454	47.815	0.262	-0.269	4.404	160.655	1
9147_9147	9147	9147	-80.463	8.569	-0.353	-0.13	-7.39	-312.117	1
9147_9148	9147	9148	26.153	51.675	0.298	-0.223	8.093	-7.76	1
9148_9148	9148	9148	54.501	58.642	0.215	-0.522	-4.656	284.732	1
9148_9149	9148	9149	32.199	3.35	-0.012	-0.055	0.235	214.055	1
9149_9149	9149	9149	44.051	54.332	0.251	-0.472	-1.967	66.346	1
9149_9150	9149	9150	11.339	5.813	-0.068	0.054	0.997	304.653	1
9150_9150	9150	9150	29.768	51.054	-0.114	-0.502	1.387	-106.139	1
9150_9151	9150	9151	27.463	8.45	0.055	0.101	1.15	422.094	1
9151_9151	9151	9151	-1.535	46.94	-0.085	-0.236	-0.079	-279.024	1
9151_9152	9151	9152	52.013	11.367	0.063	0.042	1.415	498.762	1
9152_9152	9152	9152	-33.724	46.097	-0.049	-0.235	-1.057	-461.94	1
9152_9153	9152	9153	67.839	13.074	0.027	0.046	1.562	609.35	1
9153_9153	9153	9153	-38.638	40.323	-0.037	-0.163	-1.241	-436.164	1
9153_9154	9153	9154	70.847	15.577	0.025	0.011	1.673	582.381	1
9154_9154	9154	9154	-63.469	38.458	0.003	-0.093	-1.729	-584.757	1
9154_9155	9154	9155	83.23	17.929	-0.006	-0.05	1.664	672.648	1
9155_9155	9155	9155	-75.335	33.736	-0.001	-0.169	-1.673	-655.052	1
9155_9156	9155	9156	86.411	21.999	-0.003	0.027	1.666	702.418	1
9156_9156	9156	9156	-84.913	32.567	0.002	-0.048	-1.664	-710.186	1
9156_9157	9156	9157	91.779	23.446	-0.007	-0.095	1.616	742.038	1
9157_9157	9157	9157	-90.084	28.353	-0.002	-0.133	-1.624	-737.798	1
9157_9158	9157	9158	90.992	27.467	-0.004	-0.011	1.603	742.622	1
9158_9158	9158	9158	-91.323	27.286	-0.005	-0.006	-1.634	-740.602	1
9158_9159	9158	9159	89.647	28.556	-0.002	-0.137	1.609	737.859	1
9159_9159	9159	9159	-91.993	23.26	-0.008	-0.09	-1.666	-738.193	1
9159_9160	9159	9160	84.415	32.759	0.003	-0.053	1.668	708.468	1
9160_9160	9160	9160	-86.478	21.765	-0.002	0.007	-1.735	-696.697	1
9160_9161	9160	9161	74.726	34.003	-0.001	-0.154	1.688	651.205	1
9161_9161	9161	9161	-82.937	17.689	-0.002	-0.022	-1.728	-664.079	1
9161_9162	9161	9162	62.717	38.713	-0.001	-0.126	1.716	578.472	1
9162_9162	9162	9162	-70.174	15.315	0.031	0.005	-1.706	-571.117	1
9162_9163	9162	9163	37.59	40.629	-0.043	-0.162	1.161	426.59	1
9163_9163	9163	9163	-67.862	12.784	0.032	0.063	-1.418	-589.932	1
9163_9164	9163	9164	33.548	46.374	-0.053	-0.251	0.836	445.409	1
9164_9164	9164	9164	-51.599	11.016	0.062	0.046	-1.245	-478.327	1
9164_9165	9164	9165	0.888	47.322	-0.083	-0.234	-0.111	259.923	1
9165_9165	9165	9165	-29.217	8.042	0.049	0.071	-0.882	-387.123	1
9165_9166	9165	9166	-29.713	51.361	-0.1	-0.371	-1.416	77.249	1
9166_9166	9166	9166	-12.191	5.378	-0.056	0.07	-0.76	-272.86	1
9166_9167	9166	9167	-44.798	54.831	0.212	-0.361	1.428	-96.873	1
9167_9167	9167	9167	-37.193	3.609	-0.008	-0.053	-0.352	-236.699	1
9167_9168	9167	9168	-55.704	59.164	0.183	-0.394	3.759	-315.954	1
9168_9168	9168	9168	-25.931	51.683	0.261	-0.187	-6.966	16.331	1
9168_9169	9168	9169	83.505	8.584	-0.308	-0.088	6.167	294.678	1
9169_9169	9169	9169	-48.09	47.913	0.198	-0.251	-3.265	-149.555	1
9169_9170	9169	9170	91.816	11.132	-0.255	0.075	2.901	364.976	1
9170_9170	9170	9170	-61.541	44.135	0.175	-0.219	-1.453	-242.939	1
9170_9171	9170	9171	96.482	13.586	-0.249	0.05	0.814	408.627	1
9171_9171	9171	9171	-72.937	40.977	0.007	-0.149	0.015	-319.92	1
9171_9172	9171	9172	99.657	15.696	-0.028	-0.041	0.451	443.955	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9172_9172	9172	9172	-83.57	36.925	0	-0.111	0.148	-389.013	1
9172_9173	9172	9173	101.567	18.607	-0.021	-0.085	0.187	470.526	1
9173_9173	9173	9173	-91.706	32.956	-0.001	-0.207	0.196	-438.789	1
9173_9174	9173	9174	101.637	21.823	-0.021	0.029	-0.058	484.122	1
9174_9174	9174	9174	-101.897	32.007	-0.001	-0.081	0.187	-500.892	1
9174_9175	9174	9175	106.141	23.535	-0.005	-0.082	-0.129	523.84	1
9175_9175	9175	9175	-105.431	29.057	-0.006	0.007	0.172	-517.972	1
9175_9176	9175	9176	105.41	26.194	0	-0.177	-0.142	525.058	1
9176_9176	9176	9176	-107.585	26.214	-0.003	-0.127	0.122	-524.427	1
9176_9177	9176	9177	103.792	29.039	-0.003	-0.047	-0.171	518.493	1
9177_9177	9177	9177	-108.867	23.563	-0.004	-0.139	0.088	-523.287	1
9177_9178	9177	9178	100.798	31.988	-0.003	-0.023	-0.187	501.278	1
9178_9178	9178	9178	-105.065	21.834	-0.024	0.033	0.024	-483.602	1
9178_9179	9178	9179	91.138	32.997	0.001	-0.209	-0.172	438.936	1
9179_9179	9179	9179	-105.672	18.635	-0.023	-0.08	-0.248	-470.1	1
9179_9180	9179	9180	83.701	36.963	0.002	-0.114	-0.097	388.759	1
9180_9180	9180	9180	-104.449	15.741	-0.031	-0.037	-0.535	-443.862	1
9180_9181	9180	9181	73.778	41.008	0.009	-0.153	0.067	319.347	1
9181_9181	9181	9181	-101.951	13.625	-0.244	0.066	-0.922	-409.097	1
9181_9182	9181	9182	63.078	44.188	0.172	-0.241	1.524	242.037	1
9182_9182	9182	9182	-97.986	11.19	-0.246	0.025	-2.968	-366.341	1
9182_9183	9182	9183	50.317	47.958	0.192	-0.221	3.289	148.488	1
9183_9183	9183	9183	-90.917	8.671	-0.288	-0.035	-5.797	-295.45	1
9183_9184	9183	9184	28.827	51.685	0.245	-0.224	6.585	-17.249	1
9184_9184	9184	9184	49.442	60.824	0.169	-0.405	-3.46	335.685	1
9184_9185	9184	9185	23.169	4.849	-0.011	-0.061	0.359	194.473	1
9185_9185	9185	9185	36.507	56.415	0.196	-0.37	-1.279	98.894	1
9185_9186	9185	9186	23.121	5.099	-0.012	-0.049	0.185	148.308	1
9186_9186	9186	9186	18.59	52.683	-0.097	-0.348	1.373	-93.803	1
9186_9187	9186	9187	34.933	7.301	0.047	0.052	0.882	385.03	1
9187_9187	9187	9187	-15.141	48.388	-0.082	-0.233	0.134	-293.209	1
9187_9188	9187	9188	59.666	10.34	0.061	0.058	1.249	486.339	1
9188_9188	9188	9188	-50.64	46.976	-0.054	-0.252	-0.796	-488.905	1
9188_9189	9188	9189	78.338	12.331	0.029	0.041	1.404	606.031	1
9189_9189	9189	9189	-54.84	41.333	-0.048	-0.212	-1.137	-501.49	1
9189_9190	9189	9190	79.827	15.045	0.031	0.011	1.723	625.307	1
9190_9190	9190	9190	-81.016	39.103	-0.012	-0.208	-1.77	-667.822	1
9190_9191	9190	9191	94.891	17.655	0.003	-0.012	1.82	733.568	1
9191_9191	9191	9191	-93.536	34.386	-0.01	-0.191	-1.871	-746.652	1
9191_9192	9191	9192	100.278	21.755	0.003	-0.029	1.907	776.011	1
9192_9192	9192	9192	-103.662	32.979	-0.009	-0.076	-1.961	-809.175	1
9192_9193	9192	9193	107.361	23.496	0	-0.13	1.954	826.615	1
9193_9193	9193	9193	-108.8	28.809	-0.012	-0.185	-2.027	-839.105	1
9193_9194	9193	9194	107.932	27.525	0.004	-0.023	2.043	834.09	1
9194_9194	9194	9194	-110.003	27.472	-0.01	-0.009	-2.126	-842.96	1
9194_9195	9194	9195	107.381	28.921	0.003	-0.195	2.125	832.926	1
9195_9195	9195	9195	-110.276	23.521	-0.013	-0.117	-2.197	-839.442	1
9195_9196	9195	9196	102.839	33.113	0.007	-0.088	2.248	805.247	1
9196_9196	9196	9196	-104.183	21.832	-0.003	0.049	-2.284	-793.709	1
9196_9197	9196	9197	93.131	34.624	-0.004	-0.251	2.257	743.855	1
9197_9197	9197	9197	-99.865	17.849	-0.006	-0.05	-2.251	-757.1	1
9197_9198	9197	9198	81.215	39.313	-0.001	-0.153	2.302	667.136	1
9198_9198	9198	9198	-86.089	15.303	0.038	0.065	-2.212	-656.216	1
9198_9199	9198	9199	55.698	41.589	-0.053	-0.269	1.628	503.347	1
9199_9199	9199	9199	-84.394	12.683	0.033	0.02	-1.808	-640.079	1
9199_9200	9199	9200	52.409	47.375	-0.057	-0.271	1.286	497.408	1
9200_9200	9200	9200	-66.544	10.486	0.055	0.114	-1.596	-525.557	1
9200_9201	9200	9201	18.047	48.924	-0.069	-0.36	0.491	306.754	1
9201_9201	9201	9201	-39.612	7.508	0.057	0.113	-1.745	-440.666	1
9201_9202	9201	9202	-15.269	53.216	-0.111	-0.529	-0.705	120.408	1
9202_9202	9202	9202	-20.623	4.791	-0.076	0.107	-1.506	-316.427	1
9202_9203	9202	9203	-31.875	56.885	0.289	-0.559	3.082	-65.116	1
9203_9203	9203	9203	-20.583	4.261	-0.014	-0.057	-0.106	-181.145	1
9203_9204	9203	9204	-44.247	61.139	0.244	-0.636	6.005	-294.172	1
9204_9204	9204	9204	-35.877	51.2	0.35	-0.22	-9.939	-21.664	1
9204_9205	9204	9205	94.929	10.564	-0.435	-0.141	9.807	342.086	1
9205_9205	9205	9205	-55.449	47.701	0.292	-0.307	-5.248	-186.616	1
9205_9206	9205	9206	101.117	12.981	-0.396	0.084	5.416	417.781	1
9206_9206	9206	9206	-66.8	44.173	0.258	-0.322	-2.443	-276.743	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9206_9207	9206	9207	103.919	15.289	-0.389	0.133	2.049	455.296	1
9207_9207	9207	9207	-76.425	41.086	0.025	-0.048	-0.152	-351.485	1
9207_9208	9207	9208	105.353	17.335	-0.071	-0.179	1.182	484.579	1
9208_9208	9208	9208	-85.575	37.289	0.019	-0.165	0.24	-419.659	1
9208_9209	9208	9209	105.717	20.077	-0.07	-0.071	0.388	505.776	1
9209_9209	9209	9209	-92.695	33.562	0.012	-0.266	0.493	-470.146	1
9209_9210	9209	9210	104.594	23.105	-0.069	0.057	-0.34	515.277	1
9210_9210	9210	9210	-102.275	32.714	-0.017	0.131	0.577	-536.155	1
9210_9211	9210	9211	108.083	24.635	-0.001	-0.292	-0.445	554.629	1
9211_9211	9211	9211	-105.622	29.935	-0.013	-0.021	0.438	-556.075	1
9211_9212	9211	9212	106.843	27.136	-0.005	-0.172	-0.503	554.751	1
9212_9212	9212	9212	-107.831	27.26	-0.009	-0.164	0.305	-566.173	1
9212_9213	9212	9213	104.944	29.811	-0.009	-0.032	-0.564	548.054	1
9213_9213	9213	9213	-109.369	24.761	-0.005	-0.289	0.18	-569.515	1
9213_9214	9213	9214	101.914	32.589	-0.012	0.119	-0.628	531.483	1
9214_9214	9214	9214	-106.255	23.275	-0.079	0.176	0.009	-534.861	1
9214_9215	9214	9215	92.667	33.488	0.023	-0.326	-0.406	468.884	1
9215_9215	9215	9215	-107.751	20.268	-0.075	-0.039	-0.843	-530.392	1
9215_9216	9215	9216	85.92	37.192	0.025	-0.161	-0.038	422.406	1
9216_9216	9216	9216	-107.792	17.547	-0.07	-0.226	-1.71	-514.734	1
9216_9217	9216	9217	77.194	40.978	0.027	0.025	0.425	358.607	1
9217_9217	9217	9217	-106.826	15.855	-0.37	0.292	-2.59	-491.452	1
9217_9218	9217	9218	68.151	43.853	0.267	-0.387	2.836	289.377	1
9218_9218	9218	9218	-104.768	13.551	-0.353	0.008	-5.789	-462.171	1
9218_9219	9218	9219	57.456	47.322	0.28	-0.217	5.565	205.424	1
9219_9219	9219	9219	-99.388	11.144	-0.358	-0.144	-9.087	-395.307	1
9219_9220	9219	9220	38.444	50.734	0.311	-0.143	9.4	48.556	1
9220_9220	9220	9220	27.955	58.781	0.18	-0.437	-5.414	101.857	1
9220_9221	9220	9221	17.565	7.095	0.01	-0.189	-0.974	158.136	1
9221_9221	9221	9221	11.644	54.151	0.21	-0.483	-3.174	-126.739	1
9221_9222	9221	9222	15.301	7.304	0.009	-0.076	-0.917	95.871	1
9222_9222	9222	9222	-9.073	49.973	-0.091	-0.153	-0.318	-307.714	1
9222_9223	9222	9223	52.674	9.313	0.031	-0.093	2.202	514.161	1
9223_9223	9223	9223	-46.404	45.259	-0.067	-0.364	-0.923	-466.286	1
9223_9224	9223	9224	81.861	12.829	0.04	0.242	1.822	593.081	1
9224_9224	9224	9224	-80.28	43.385	-0.029	-0.008	-1.697	-634.327	1
9224_9225	9224	9225	100.653	15.387	0.015	-0.141	1.933	707.272	1
9225_9225	9225	9225	-73.548	37.16	-0.039	-0.408	-2.103	-651.148	1
9225_9226	9225	9226	90.094	18.504	0.024	0.171	2.489	731.199	1
9226_9226	9226	9226	-93.759	34.414	0.009	0.024	-2.659	-793.712	1
9226_9227	9226	9227	101.914	21.942	-0.006	-0.252	2.503	827.509	1
9227_9227	9227	9227	-100.454	29.557	0.004	-0.357	-2.524	-839.881	1
9227_9228	9227	9228	102.631	26.463	-0.003	0.123	2.52	841.551	1
9228_9228	9228	9228	-102.317	27.228	0.011	0.131	-2.457	-850.112	1
9228_9229	9228	9229	101.551	28.888	-0.009	-0.356	2.41	840.672	1
9229_9229	9229	9229	-102.287	22.735	0.007	-0.25	-2.27	-844.376	1
9229_9230	9229	9230	95.336	33.728	-0.005	0.023	2.36	802.093	1
9230_9230	9230	9230	-96.8	20.372	0.019	0.262	-2.129	-797.599	1
9230_9231	9230	9231	84.039	36.441	-0.03	-0.459	1.968	725.904	1
9231_9231	9231	9231	-97.773	17.24	0.013	-0.051	-1.864	-796.182	1
9231_9232	9231	9232	80.689	41.611	-0.026	-0.167	1.717	702.662	1
9232_9232	9232	9232	-103.091	16.177	0.009	-0.34	-2.86	-845.396	1
9232_9233	9232	9233	89.722	45.54	-0.028	0.209	2.713	783.829	1
9233_9233	9233	9233	-85.514	14.587	0.119	0.258	-2.858	-712.909	1
9233_9234	9233	9234	56.005	45.146	-0.164	-0.375	1.151	575.67	1
9234_9234	9234	9234	-77.553	12.276	0.099	0.052	-1.855	-680.744	1
9234_9235	9234	9235	44.916	49	-0.157	-0.197	0.042	532.58	1
9235_9235	9235	9235	-54.533	11.102	0.121	-0.316	-2.039	-706.438	1
9235_9236	9235	9236	23.718	52.027	-0.224	-0.035	-1.196	533.415	1
9236_9236	9236	9236	-39.484	9	0.289	0.282	-1.935	-575.792	1
9236_9237	9236	9237	-0.166	53.453	-0.159	-0.616	-2.582	314.973	1
9237_9237	9237	9237	-15.981	8.541	-0.029	-0.227	0.24	-169.577	1
9237_9238	9237	9238	-13.078	56.864	-0.179	-0.111	-4.042	173.081	1
9238_9238	9238	9238	-17.221	8.812	-0.281	-0.036	-0.086	-228.438	1
9238_9239	9238	9239	-21.387	55.881	0.743	-1.4	2.409	46.759	1
9239_9239	9239	9239	-18.393	8.787	-0.281	-0.079	-2.629	-290.256	1
9239_9240	9239	9240	-17.584	58.938	0.711	-1.319	4.952	112.528	1
9240_9240	9240	9240	-68.963	43.747	-0.203	-1.887	-9.937	-251.752	1
9240_9241	9240	9241	112.228	19.847	0.416	1.81	15.392	528.803	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9241_9241	9241	9241	-80.784	48.282	0.19	0.261	-10.753	-365.285	1
9241_9242	9241	9242	117.212	15.956	-0.365	-0.681	13.885	589.022	1
9242_9242	9242	9242	-60.16	43.233	0.125	-0.059	-7.887	-200.707	1
9242_9243	9242	9243	106.071	16.845	-0.356	-0.394	8.53	494.773	1
9243_9243	9243	9243	-79.332	39.524	0.094	-0.371	-5.58	-380.186	1
9243_9244	9243	9244	109.507	20.744	-0.339	0.041	5.164	559.147	1
9244_9244	9244	9244	-83.246	38.938	0.343	0.05	-4.258	-418.06	1
9244_9245	9244	9245	106.598	20.295	-0.334	-0.483	1.718	558.202	1
9245_9245	9245	9245	-94.812	34.955	0.33	-0.377	-0.461	-518.847	1
9245_9246	9245	9246	106.886	23.804	-0.385	-0.038	-2.067	586.925	1
9246_9246	9246	9246	-98.028	31.618	-0.019	0.054	2.294	-539.197	1
9246_9247	9246	9247	102.031	26.207	0.038	-0.417	-2.006	562.742	1
9247_9247	9247	9247	-105.987	27.914	0.012	-0.47	1.841	-597.475	1
9247_9248	9247	9248	101.392	30.374	0.008	0.112	-2.179	571.675	1
9248_9248	9248	9248	-108.265	25.49	-0.129	0.075	1.601	-599.972	1
9248_9249	9248	9249	96.386	33.033	0.074	-0.411	-1.632	534.003	1
9249_9249	9249	9249	-110.276	21.96	-0.113	-0.338	-0.116	-493.94	1
9249_9250	9249	9250	88.351	37.058	0.069	-0.039	-0.819	464.256	1
9250_9250	9250	9250	-112.031	19.953	-0.592	0.06	-1.886	-585.346	1
9250_9251	9250	9251	80.991	40.294	0.431	-0.376	3.748	394.955	1
9251_9251	9251	9251	-112.369	17.055	-0.559	-0.33	-8.296	-564.744	1
9251_9252	9251	9252	71.764	44.428	0.474	-0.058	9.419	303.094	1
9252_9252	9252	9252	-120.354	19.081	0.526	2.048	-13.865	-627.613	1
9252_9253	9252	9253	86.589	45.024	-0.39	-1.917	9.581	419.617	1
9253_9253	9253	9253	-111.743	16.295	0.538	1.735	-12.003	-525.365	1
9253_9254	9253	9254	62.203	46.186	-0.41	-1.816	5.685	193.061	1
9254_9254	9254	9254	21.49	52.063	1.225	-2.787	-4.46	14.913	1
9254_9255	9254	9255	14.31	10.217	-1.055	1.806	-9.615	304.315	1
9255_9255	9255	9255	10.825	54.688	-0.637	-0.039	9.265	-165.883	1
9255_9256	9255	9256	29.111	7.788	-0.079	-0.257	-1.452	177.199	1
9256_9256	9256	9256	-3.355	50.711	-0.617	-0.618	2.197	-321.418	1
9256_9257	9256	9257	43.766	10.353	0.675	0.328	4.312	571.432	1
9257_9257	9257	9257	-33.272	52.289	0.093	-0.051	-4.612	-590.153	1
9257_9258	9257	9258	61.163	11.373	-0.087	-0.277	4.073	733.007	1
9258_9258	9258	9258	-42.067	48.049	0.052	-0.154	-2.683	-489.159	1
9258_9259	9258	9259	80.591	12.19	-0.055	-0.011	2.094	657.693	1
9259_9259	9259	9259	-72.238	45.343	0.041	-0.312	-2.177	-661.729	1
9259_9260	9259	9260	96.417	15.392	-0.054	0.19	1.731	760.167	1
9260_9260	9260	9260	-93.545	45.315	-0.015	0.235	-1.949	-789.592	1
9260_9261	9260	9261	107.985	16.487	0.016	-0.343	1.77	844.698	1
9261_9261	9261	9261	-80.508	40.312	-0.016	-0.06	-1.643	-636.796	1
9261_9262	9261	9262	101.357	17.578	0.018	-0.094	1.543	729.36	1
9262_9262	9262	9262	-97.21	36.183	-0.022	-0.353	-1.921	-746.935	1
9262_9263	9262	9263	109.317	21.58	0.024	0.224	1.82	790.559	1
9263_9263	9263	9263	-99.494	33.213	-0.002	0.013	-2.257	-765.225	1
9263_9264	9263	9264	108.22	23.367	0.019	-0.172	2.089	792.524	1
9264_9264	9264	9264	-105.873	28.564	-0.002	-0.192	-2.315	-806.918	1
9264_9265	9264	9265	108.46	27.972	0.019	0.033	2.356	803.442	1
9265_9265	9265	9265	-105.872	25.927	0.007	0.089	-2.349	-805.42	1
9265_9266	9265	9266	103.588	30.611	0.002	-0.247	2.369	780.345	1
9266_9266	9266	9266	-105.632	21.705	0.006	-0.105	-2.217	-799.644	1
9266_9267	9266	9267	96.418	35.518	0.004	-0.055	2.395	741.345	1
9267_9267	9267	9267	-111.514	21.075	0.05	0.186	-2.13	-833.081	1
9267_9268	9267	9268	101.74	38.485	-0.061	-0.314	1.917	779.011	1
9268_9268	9268	9268	-107.65	18.719	0.045	0.108	-1.798	-803.98	1
9268_9269	9268	9269	93.723	41.237	-0.061	-0.259	1.483	729.915	1
9269_9269	9269	9269	-87.78	15.674	0.047	-0.047	-2.081	-787.602	1
9269_9270	9269	9270	62.443	44.232	-0.078	-0.155	1.219	656.807	1
9270_9270	9270	9270	-75.543	13.703	0.085	0.287	-1.831	-707.784	1
9270_9271	9270	9271	39.393	46.811	-0.131	-0.454	-0.162	538.04	1
9271_9271	9271	9271	-52.758	11.927	0.106	0.181	-1.875	-727.28	1
9271_9272	9271	9272	18.513	50.777	-0.191	-0.543	-1.635	533.016	1
9272_9272	9272	9272	-44.348	10.765	0.084	-0.189	-1.36	-703.098	1
9272_9273	9272	9273	14.637	53.666	-0.169	-0.128	-2.178	531.448	1
9273_9273	9273	9273	-18.262	8.415	0.018	-0.026	1.113	-149.554	1
9273_9274	9273	9274	-15.478	54.663	0.351	-0.733	2.247	201.361	1
9274_9274	9274	9274	-21.28	8.185	0.023	-0.239	1.308	-226.64	1
9274_9275	9274	9275	-31.648	58.328	0.294	-0.501	6.128	-55.774	1
9275_9275	9275	9275	-71.889	48.729	0.324	-0.231	-11.881	-298.179	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9275_9276	9275	9276	115.756	14.864	-0.506	-0.08	16.334	594.921	1
9276_9276	9276	9276	-76.244	46.879	0.307	-0.356	-9.412	-346.431	1
9276_9277	9276	9277	116.685	16.252	-0.504	0.091	13.525	615.432	1
9277_9277	9277	9277	-67.609	42.997	0.238	-0.471	-5.76	-280.428	1
9277_9278	9277	9278	110.767	17.654	-0.458	0.351	7.631	564.271	1
9278_9278	9278	9278	-70.593	40.131	0.032	0.081	-2.262	-311.68	1
9278_9279	9278	9279	107.292	19.097	-0.151	-0.481	5.287	555.236	1
9279_9279	9279	9279	-79.477	35.117	0.029	-0.419	-0.904	-385.613	1
9279_9280	9279	9280	103.075	22.788	-0.162	0.125	2.758	545.341	1
9280_9280	9280	9280	-86.647	33.131	-0.095	0.139	0.042	-436.143	1
9280_9281	9280	9281	99.241	24.36	0.039	-0.505	2.772	535.618	1
9281_9281	9281	9281	-93.451	28.173	-0.066	-0.407	-0.486	-474.816	1
9281_9282	9281	9282	93.377	28.769	0.027	0.064	2.795	500.902	1
9282_9282	9282	9282	-92.974	25.675	-0.076	0.274	-1.081	-504.407	1
9282_9283	9282	9283	81.191	32.131	-0.173	-0.546	2.809	464.679	1
9283_9283	9283	9283	-100.225	21.908	-0.061	-0.644	-1.644	-536.679	1
9283_9284	9283	9284	75.849	37.368	-0.194	0.345	0.557	403.9	1
9284_9284	9284	9284	-105.347	21.427	-1.012	0.175	-2.581	-547.191	1
9284_9285	9284	9285	71.938	39.193	0.371	-0.445	4.743	346.744	1
9285_9285	9285	9285	-109.707	18.634	-1.035	-0.421	-13.837	-554.558	1
9285_9286	9285	9286	67.053	43.358	0.49	0.012	11.431	271.903	1
9286_9286	9286	9286	-117.099	20.311	1.017	1.055	-24.252	-617.268	1
9286_9287	9286	9287	77.533	44.844	-0.638	-1.223	12.01	357.441	1
9287_9287	9287	9287	-113.738	17.87	1.098	1.168	-22.29	-547.45	1
9287_9288	9287	9288	59.961	46.365	-0.717	-1.449	6.867	143.343	1
9288_9288	9288	9288	6.244	55.631	1.935	-2.51	-6.542	-68.402	1
9288_9289	9288	9289	14.657	9.3	-1.613	1.736	-14.685	321.612	1
9289_9289	9289	9289	-3.94	58.437	-0.955	0.082	12.833	-238.886	1
9289_9290	9289	9290	27.649	6.328	0.989	-0.366	-3.2	492.795	1
9290_9290	9290	9290	-23.346	54.397	-0.908	-0.63	1.044	-498.465	1
9290_9291	9290	9291	43.452	9.339	1.029	0.374	8.959	670.363	1
9291_9291	9291	9291	-53.43	55.973	0.043	0.439	-9.529	-868.123	1
9291_9292	9291	9292	60.655	10.349	-0.17	-0.657	8.596	903.853	1
9292_9292	9292	9292	-66.077	52.692	0.015	-0.163	-6.42	-801.719	1
9292_9293	9292	9293	75.37	11.419	-0.106	-0.017	5.083	863.001	1
9293_9293	9293	9293	-80.851	49.732	0.005	-0.501	-6.414	-938.935	1
9293_9294	9293	9294	84.439	13.897	-0.092	0.342	4.614	966.506	1
9294_9294	9294	9294	-98.723	52.232	0.167	0.675	-6.493	-1136.219	1
9294_9295	9294	9295	97.513	12.972	-0.103	-0.745	4.568	1113.105	1
9295_9295	9295	9295	-79.874	48.926	0.26	-0.222	-9.279	-1172.146	1
9295_9296	9295	9296	82.316	14.24	-0.169	-0.083	5.569	1192.29	1
9296_9296	9296	9296	-94.204	45.903	0.258	-1.261	-6.766	-1371.887	1
9296_9297	9296	9297	92.822	17.344	-0.202	0.95	4.172	1341.528	1
9297_9297	9297	9297	-97.328	44.649	0.069	0.547	-4.944	-1416.482	1
9297_9298	9297	9298	97.348	17.371	0.002	-0.763	4.214	1406.767	1
9298_9298	9298	9298	-108.216	40.656	0.08	-1.245	-4.228	-1568.034	1
9298_9299	9298	9299	106.51	21.116	-0.01	0.921	4.015	1536.855	1
9299_9299	9299	9299	-114.165	40.053	0.068	0.858	-3.435	-1650.608	1
9299_9300	9299	9300	113.899	21.619	-0.021	-1.053	3.527	1641.643	1
9300_9300	9300	9300	-116.042	35.148	0.074	-1.009	-2.667	-1675.915	1
9300_9301	9300	9301	116.55	25.337	-0.028	0.74	2.896	1680.404	1
9301_9301	9301	9301	-119.279	34.034	0.083	1.188	-1.748	-1719.006	1
9301_9302	9301	9302	122.559	26.483	-0.046	-1.399	1.855	1765.44	1
9302_9302	9302	9302	-118.911	29.346	0.083	-1.074	-0.751	-1710.933	1
9302_9303	9302	9303	123.732	30.765	-0.05	0.914	0.854	1782.747	1
9303_9303	9303	9303	-112.528	27.504	0.066	1.07	0.09	-1617.773	1
9303_9304	9303	9304	121.915	31.642	-0.038	-1.385	-0.122	1757.898	1
9304_9304	9304	9304	-107.317	22.811	0.066	-0.717	0.782	-1539.796	1
9304_9305	9304	9305	119.845	36.443	-0.042	0.61	-0.994	1728.625	1
9305_9305	9305	9305	-95.432	20.537	0.024	1.348	1.193	-1367.678	1
9305_9306	9305	9306	113.52	37.727	0.011	-1.841	-1.248	1639.507	1
9306_9306	9306	9306	-76.481	14.721	0.031	-0.401	1.093	-1094.306	1
9306_9307	9306	9307	99.736	42.258	0.008	0.357	-1.4	1446.11	1
9307_9307	9307	9307	-55.726	10.78	-0.019	0.659	0.995	-795.217	1
9307_9308	9307	9308	85.332	45.245	0.116	-1.393	-0.351	1242.149	1
9308_9308	9308	9308	-35.408	6.108	0.002	-0.021	0.53	-504.801	1
9308_9309	9308	9309	65.051	50.619	0.097	-0.257	0.451	955.414	1
9309_9309	9309	9309	5.583	5.1	0.237	-0.206	2.922	85.422	1
9309_9310	9309	9310	38.729	54.777	0.197	-1.18	2.259	583.087	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9310_9310	9310	9310	2.309	5.1	0.238	-0.166	5.754	40.075	1
9310_9311	9310	9311	6.643	60.788	0.166	-0.379	3.495	128.642	1
9311_9311	9311	9311	-0.918	5.32	-2.612	0.476	8.666	-3.831	1
9311_9312	9311	9312	-2.823	67.183	-0.678	-0.389	0	-14.565	1
9400_9020	9400	9020	39.85	1.983	1.822	0.095	-34.081	186.632	1
9400_9401	9400	9401	-56.323	21.717	14.385	0.888	-44.988	590.007	1
9401_9401	9401	9401	39.797	2.11	1.839	-0.722	-26.408	178.504	1
9401_9402	9401	9402	-53.781	20.851	3.344	-1.427	-30.664	519.195	1
9402_9402	9402	9402	49.853	3.2	2.375	0.129	-25.978	192.667	1
9402_9403	9402	9403	-53.57	19.549	3.376	0.351	7.108	305.609	1
9403_9403	9403	9403	57.627	4.892	0.129	-0.193	0.29	166.56	1
9403_9404	9403	9404	-51.345	17.312	-0.471	-0.226	3.144	176.949	1
9404_9404	9404	9404	62.897	6.309	0.07	-0.157	1.575	173.826	1
9404_9405	9404	9405	-50.901	16.131	-0.438	-0.188	-0.05	58.887	1
9405_9405	9405	9405	72.137	8.805	-0.149	-0.212	2.076	97.469	1
9405_9406	9405	9406	-49.676	14.024	-0.06	-0.231	-1.201	-145.105	1
9406_9406	9406	9406	78.382	11.589	-2.125	-0.283	-0.22	-26.789	1
9406_9407	9406	9407	-49.323	12.132	-0.255	-0.133	-3.82	-252.502	1
9407_9407	9407	9407	79.617	13.202	-2.167	0.02	-18.931	-126.697	1
9407_9408	9407	9408	-48.54	11.132	-0.157	-0.214	-4.051	-319.658	1
9408_9408	9408	9408	-25.651	0.286	-1.492	1.606	20.915	81.833	1
9408_9409	9408	9409	-46.862	21.208	1.119	-0.484	-4.06	-364.239	1
9409_9409	9409	9409	46.062	20.847	0.7	0.039	-1.369	366.231	1
9409_9410	9409	9410	27.415	0.522	0.321	1.742	-17.04	-87.419	1
9410_9410	9410	9410	48.049	10.936	0.088	-0.371	0.953	318.829	1
9410_9411	9410	9411	-89.519	13.602	-0.797	0.042	4.695	126.693	1
9411_9411	9411	9411	48.128	11.919	0.026	0.003	1.246	256.059	1
9411_9412	9411	9412	-87.545	11.79	-0.678	0.142	-1.036	24.255	1
9412_9412	9412	9412	48.697	13.764	-0.059	-0.209	1.177	147.944	1
9412_9413	9412	9413	-90.102	8.719	0.006	0.092	-0.103	-99.802	1
9413_9413	9413	9413	50.722	15.798	-0.409	-0.166	0.023	-56.29	1
9413_9414	9413	9414	-89.536	5.884	-0.303	0.17	-1.594	-138.535	1
9414_9414	9414	9414	50.945	16.979	-0.447	-0.228	-2.934	-171.886	1
9414_9415	9414	9415	-82.523	3.871	-0.253	0.095	-3.607	-160.254	1
9415_9415	9415	9415	51.075	19.125	3.032	0.055	-6.385	-294.221	1
9415_9416	9415	9416	-69.411	1.647	-2.247	-0.036	-27.776	-157.477	1
9416_9416	9416	9416	53.7	20.456	3.443	-0.442	30.549	-506.115	1
9416_9417	9416	9417	-7.705	0.295	-0.71	0.181	-10.363	-29.641	1
9417_9417	9417	9417	53.723	21.385	13.404	0.799	43.069	-577.619	1
9417_9036	9417	9036	-7.726	0.249	-0.158	-0.032	-11.107	-30.737	1
9420_9056	9420	9056	29.433	0.798	1.149	0.055	-22.844	112.342	1
9420_9421	9420	9421	-55.951	20.104	13.438	0.694	-28.158	524.515	1
9421_9421	9421	9421	30.388	0.905	1.353	-0.388	-18.439	111.639	1
9421_9422	9421	9422	-55.265	19.141	2.34	-0.685	-19.254	458.349	1
9422_9422	9422	9422	40.686	1.75	1.875	0.04	-18.868	130.337	1
9422_9423	9422	9423	-55.705	17.811	2.38	0.138	6.833	263.839	1
9423_9423	9423	9423	50.815	3.235	-0.063	-0.169	2.22	124.493	1
9423_9424	9423	9424	-52.224	15.594	-0.483	-0.22	2.429	148.883	1
9424_9424	9424	9424	57.044	4.507	-0.144	-0.138	2.141	108.583	1
9424_9425	9424	9425	-52.573	14.374	-0.443	-0.149	-0.724	45.238	1
9425_9425	9425	9425	84.227	7.057	-0.058	0.091	0.418	87.261	1
9425_9426	9425	9426	-50.274	12.233	0.034	-0.19	-0.515	-136.968	1
9426_9426	9426	9426	81.827	9.875	0.459	0.169	0.375	-12.56	1
9426_9427	9426	9427	-49.818	10.33	-0.163	-0.038	-2.313	-230.387	1
9427_9427	9427	9427	83.821	11.577	0.397	-0.05	4.851	-98.023	1
9427_9428	9427	9428	-50.019	9.311	-0.104	-0.285	-3.029	-282.153	1
9428_9428	9428	9428	-24.04	0.804	0.863	1.094	6.337	70.145	1
9428_9429	9428	9429	-47.517	19.541	0.656	-0.286	-2.209	-331.258	1
9429_9429	9429	9429	47.967	19.573	0.744	-0.068	0.015	330.602	1
9429_9430	9429	9430	23.13	0.956	-0.016	1.555	-13.468	-63.05	1
9430_9430	9430	9430	50.32	9.236	-0.024	-0.24	1.792	281.726	1
9430_9431	9430	9431	-83.765	11.246	-0.389	0.071	1.581	92.797	1
9431_9431	9431	9431	50.121	10.258	-0.068	-0.052	1.556	230.375	1
9431_9432	9431	9432	-73.247	9.611	-0.895	-0.19	-0.768	15.297	1
9432_9432	9432	9432	50.721	12.178	0.034	-0.189	0.604	137.577	1
9432_9433	9432	9433	-66.545	6.997	-0.014	-0.192	-1.075	-82.243	1
9433_9433	9433	9433	52.661	14.311	-0.443	-0.169	0.811	-42.527	1
9433_9434	9433	9434	-55.748	4.744	-0.132	-0.156	-2.012	-109.718	1
9434_9434	9434	9434	52.865	15.568	-0.477	-0.198	-2.411	-147.038	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9434_9435	9434	9435	-50.594	3.456	-0.071	-0.16	-2.215	-128.306	1
9435_9435	9435	9435	56.502	17.79	2.383	0.229	-6.805	-261.929	1
9435_9436	9435	9436	-40.991	1.988	2.087	0.081	21.112	-137.74	1
9436_9436	9436	9436	56.051	19.179	2.3	-0.993	19.408	-456.084	1
9436_9437	9436	9437	-30.604	1.102	1.547	-0.511	20.965	-119.304	1
9437_9437	9437	9437	56.762	20.076	13.47	0.696	28.006	-522.618	1
9437_9072	9437	9072	-30.668	1.008	1.287	0.071	26.642	-123.436	1
9440_9094	9440	9094	26.473	1.041	1.415	0.052	-17.749	113.414	1
9440_9441	9440	9441	-56.913	19.865	13.112	0.777	-20.658	511.007	1
9441_9441	9441	9441	26.432	1.137	0.883	-0.268	-11.655	109.152	1
9441_9442	9441	9442	-56.167	18.868	1.771	-0.449	-13.87	445.587	1
9442_9442	9442	9442	37.477	1.905	1.4	-0.021	-13.338	128.606	1
9442_9443	9442	9443	-56.608	17.501	1.79	0.046	5.708	254.507	1
9443_9443	9443	9443	47.968	3.287	-0.149	-0.145	2.58	120.492	1
9443_9444	9443	9444	-52.752	15.206	-0.399	-0.183	1.983	142.539	1
9444_9444	9444	9444	52.881	4.449	-0.169	-0.217	1.741	102.781	1
9444_9445	9444	9445	-53.082	14	-0.409	-0.257	-0.984	41.518	1
9445_9445	9445	9445	82.865	6.891	-0.074	0.114	0.747	85.99	1
9445_9446	9445	9446	-50.698	11.824	0.067	-0.227	-0.29	-134.462	1
9446_9446	9446	9446	82.686	9.699	0.184	0.222	0.471	-10.175	1
9446_9447	9446	9447	-50.152	9.918	-0.133	0.043	-1.834	-224.176	1
9447_9447	9447	9447	83.817	11.473	-0.011	-0.06	2.222	-94.718	1
9447_9448	9447	9448	-50.352	8.846	-0.018	-0.474	-2.187	-273.272	1
9448_9448	9448	9448	-24.221	0.924	0.252	1.692	9.266	68.776	1
9448_9449	9448	9449	-49.789	19.258	0.951	-0.196	-0.668	-309.928	1
9449_9449	9449	9449	47.348	19.184	0.77	-0.265	0.978	321.676	1
9449_9450	9449	9450	24.144	0.759	-1.074	1.716	-13.109	-68.161	1
9450_9450	9450	9450	49.927	8.909	-0.099	-0.083	1.979	273.354	1
9450_9451	9450	9451	-79.661	11.006	0.378	0.079	-3.698	92.528	1
9451_9451	9451	9451	49.733	9.933	-0.085	-0.181	1.457	223.823	1
9451_9452	9451	9452	-73.684	9.479	-1.222	-0.289	-1.565	12.919	1
9452_9452	9452	9452	50.187	11.832	0.064	-0.228	0.287	133.936	1
9452_9453	9452	9453	-66.168	6.89	0.075	-0.231	-0.501	-81.951	1
9453_9453	9453	9453	51.841	13.964	-0.391	-0.221	0.923	-41.037	1
9453_9454	9453	9454	-56.671	4.628	-0.195	-0.205	-1.904	-109.688	1
9454_9454	9454	9454	52	15.199	-0.409	-0.215	-1.93	-142.97	1
9454_9455	9454	9455	-51.938	3.331	-0.153	-0.176	-2.776	-128.024	1
9455_9455	9455	9455	55.666	17.453	1.759	0.095	-5.729	-255.188	1
9455_9456	9455	9456	-40.368	1.848	1.587	-0.001	15.304	-133.217	1
9456_9456	9456	9456	55.236	18.782	1.712	-0.644	13.596	-445.846	1
9456_9457	9456	9457	-30.061	1.001	1.169	-0.376	15.355	-114.333	1
9457_9457	9457	9457	55.908	19.708	13.195	0.805	19.735	-510.967	1
9457_9110	9457	9110	-29.537	0.877	1.025	0.067	19.597	-116.391	1
9460_9132	9460	9132	22.988	3.261	1.301	0.098	-19.012	154.813	1
9460_9461	9460	9461	-65.12	21.795	13.573	0.906	-23.333	547.218	1
9461_9461	9461	9461	22.921	3.323	1.007	-0.175	-13.313	141.459	1
9461_9462	9461	9462	-64.105	20.735	2.057	-0.043	-15.895	477.03	1
9462_9462	9462	9462	27.087	3.916	1.245	-0.06	-11.76	137.143	1
9462_9463	9462	9463	-59.554	19.23	1.846	-0.091	5.54	272.914	1
9463_9463	9463	9463	32.23	4.858	-0.14	-0.132	2.213	99.7	1
9463_9464	9463	9464	-58.031	16.727	-0.426	-0.219	1.893	152.951	1
9464_9464	9464	9464	34.562	5.636	-0.158	-0.169	1.327	67.095	1
9464_9465	9464	9465	-54.183	15.423	-0.399	-0.246	-1.144	40.729	1
9465_9465	9465	9465	40.307	7.065	-0.051	-0.162	0.176	29.762	1
9465_9466	9465	9466	-52.945	13.096	0.06	-0.251	-0.628	-148.678	1
9466_9466	9466	9466	103.234	10.456	-0.624	0.033	1.63	36.077	1
9466_9467	9466	9467	-49.414	11.114	0.059	-0.048	-0.305	-250.554	1
9467_9467	9467	9467	105.78	12.651	-0.754	0.057	-3.936	-53.4	1
9467_9468	9467	9468	-48.913	10.081	0.09	-0.315	-0.055	-307.215	1
9468_9468	9468	9468	-32.311	2.246	-0.022	0.62	4.525	53.615	1
9468_9469	9468	9469	-59.261	21.144	1.249	-0.409	7.156	-333.939	1
9469_9469	9469	9469	55.111	20.803	1.182	-0.521	-6.141	338.376	1
9469_9470	9469	9470	27.32	2.274	0.373	0.43	-3.226	-32.873	1
9470_9470	9470	9470	47.83	10.271	0.009	0.028	0.045	306.941	1
9470_9471	9470	9471	-57.607	11.739	0.323	-0.059	-2.072	162.23	1
9471_9471	9471	9471	48.373	11.265	0.077	-0.262	0.088	249.084	1
9471_9472	9471	9472	-56.482	10.573	0.231	-0.199	0.225	70.865	1
9472_9472	9472	9472	51.136	13.256	0.06	-0.249	0.511	146.101	1
9472_9473	9472	9473	-52.038	8.504	-0.045	-0.183	-0.427	-48.873	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9473_9473	9473	9473	51.533	15.453	-0.428	-0.245	1.055	-45.012	1
9473_9474	9473	9474	-47.249	6.673	-0.165	-0.19	-1.517	-94.573	1
9474_9474	9474	9474	54.776	16.721	-0.455	-0.211	-2.192	-158.49	1
9474_9475	9474	9475	-43.544	5.61	-0.141	-0.148	-2.357	-131.287	1
9475_9475	9475	9475	56.598	19.055	1.737	0.122	-6.188	-278.635	1
9475_9476	9475	9476	-38.57	4.28	1.318	0.004	12.364	-172.252	1
9476_9476	9476	9476	60.639	20.486	1.816	-0.666	14.01	-482.11	1
9476_9477	9476	9477	-34.274	3.397	1.173	-0.409	14.949	-175.937	1
9477_9477	9477	9477	61.578	21.533	14.393	0.872	20.445	-551.673	1
9477_9148	9477	9148	-34.355	3.302	1.487	0.099	21.527	-189.456	1
9480_9168	9480	9168	29.276	2.481	1.712	0.092	-20.788	149.465	1
9480_9481	9480	9481	-62.033	21.735	14.819	0.893	-20.723	558.748	1
9481_9481	9481	9481	29.224	2.529	1.032	-0.266	-13.335	139.316	1
9481_9482	9481	9482	-62.028	20.69	1.898	-0.33	-13.901	486.383	1
9482_9482	9482	9482	33.448	3.291	1.198	-0.024	-11.151	137.653	1
9482_9483	9482	9483	-57.807	19.192	1.767	0.026	6.492	282.363	1
9483_9483	9483	9483	38.88	4.448	-0.104	-0.178	2.171	107.006	1
9483_9484	9483	9484	-55.544	16.887	-0.496	-0.319	2.158	161.086	1
9484_9484	9484	9484	42.562	5.385	-0.186	-0.116	1.647	78.482	1
9484_9485	9484	9485	-52.114	15.635	-0.401	-0.133	-0.822	46.412	1
9485_9485	9485	9485	47.159	7.068	-0.054	-0.157	0.303	41.665	1
9485_9486	9485	9486	-50.642	13.445	0.049	-0.239	-0.437	-148.384	1
9486_9486	9486	9486	96.665	9.352	-0.733	-0.039	2.006	39.041	1
9486_9487	9486	9487	-48.207	11.478	0.064	-0.321	-0.141	-252.865	1
9487_9487	9487	9487	96.454	11.338	-0.55	0.132	-4.449	-43.762	1
9487_9488	9487	9488	-47.624	10.501	-0.037	0.146	-0.299	-312.329	1
9488_9488	9488	9488	-29.93	2.175	0.663	0.545	4.642	43.311	1
9488_9489	9488	9489	-55.074	20.866	1.559	-0.633	7.294	-339.039	1
9489_9489	9489	9489	56.448	21.115	1.571	-0.616	-7.59	342.47	1
9489_9490	9489	9490	26.054	2.017	0.176	0.585	-4.633	-38.845	1
9490_9490	9490	9490	48.528	10.489	-0.01	0.033	0.311	314.154	1
9490_9491	9490	9491	-99.021	10.918	-0.622	0.114	4.459	35.249	1
9491_9491	9491	9491	49.158	11.507	0.063	-0.265	0.231	254.828	1
9491_9492	9491	9492	-50.468	9.221	0.429	-0.159	0.709	66.153	1
9492_9492	9492	9492	51.768	13.475	0.043	-0.239	0.495	150.146	1
9492_9493	9492	9493	-44.699	7.425	-0.052	-0.15	-0.184	-36.513	1
9493_9493	9493	9493	53.336	15.717	-0.401	-0.129	0.776	-44.922	1
9493_9494	9493	9494	-39.964	5.83	-0.175	-0.106	-1.488	-76.23	1
9494_9494	9494	9494	56.91	17.014	-0.498	-0.315	-2.204	-160.164	1
9494_9495	9494	9495	-36.151	4.952	-0.094	-0.168	-1.92	-107.878	1
9495_9495	9495	9495	59.282	19.402	1.741	0.123	-6.504	-282.382	1
9495_9496	9495	9496	-30.21	3.866	0.927	-0.004	8.499	-144.177	1
9496_9496	9496	9496	63.656	20.835	1.818	-0.652	13.764	-489.424	1
9496_9497	9496	9497	-25.885	3.227	0.767	-0.29	9.594	-147.481	1
9497_9497	9497	9497	64.629	21.9	15.058	0.938	20.146	-559.937	1
9497_9184	9497	9184	-25.929	3.13	1.733	0.081	16.886	-160.295	1
9500_9204	9500	9204	9.681	0.287	0.434	0.02	-6.806	39.57	1
9500_9501	9500	9501	-59.514	21.697	13.312	1.268	-27.173	578.513	1
9501_9501	9501	9501	12.558	0.339	0.48	-0.231	-6.628	46.549	1
9501_9502	9501	9502	-59.529	20.853	2.256	-1.545	-19.832	505.747	1
9502_9502	9502	9502	59.195	0.982	-0.798	0.158	9.795	122.327	1
9502_9503	9502	9503	-60.006	19.421	2.41	0.372	6.88	293.684	1
9503_9503	9503	9503	80.081	3.054	-0.146	0.202	1.052	145.262	1
9503_9504	9503	9504	-55.513	17.204	-0.418	-0.132	3.02	167.492	1
9504_9504	9504	9504	89.573	5.049	-0.004	0.051	-0.358	132.086	1
9504_9505	9504	9505	-55.208	15.92	-0.48	-0.428	-0.587	51.246	1
9505_9505	9505	9505	90.243	7.983	-0.02	0.077	0.356	99.977	1
9505_9506	9505	9506	-52.212	13.765	0.008	-0.286	-0.677	-154.444	1
9506_9506	9506	9506	90.538	11.072	0.023	0.143	0.808	-11.646	1
9506_9507	9506	9507	-51.785	11.851	-0.087	-0.054	-1.798	-261.341	1
9507_9507	9507	9507	92.861	12.988	-0.066	-0.025	1.381	-107.234	1
9507_9508	9507	9508	-52.023	10.761	-0.023	-0.372	-2.092	-321.141	1
9508_9508	9508	9508	-23.537	1.282	-1.305	1.267	11.148	53.182	1
9508_9509	9508	9509	-50.222	21.578	0.792	-0.369	-0.926	-371.18	1
9509_9509	9509	9509	47.886	21.611	1.126	-0.685	2.588	379.881	1
9509_9510	9509	9510	23.661	1.417	0.763	1.325	-5.16	-53.87	1
9510_9510	9510	9510	51.887	11.008	-0.158	-0.439	4.156	321.99	1
9510_9511	9510	9511	-81.579	12.28	-1.728	-0.125	13.491	111.146	1
9511_9511	9511	9511	52.429	12.078	-0.293	-0.072	3.57	255.596	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9511_9512	9511	9512	-81.46	10.603	-1.578	-0.204	-0.542	17.857	1
9512_9512	9512	9512	53.149	14.051	0.01	-0.314	0.586	148.657	1
9512_9513	9512	9513	-72.799	7.736	-0.041	-0.22	-1.301	-88.132	1
9513_9513	9513	9513	54.69	16.24	-0.453	-0.316	0.533	-55.631	1
9513_9514	9513	9514	-63.688	5.199	-0.044	-0.211	-1.593	-120.426	1
9514_9514	9514	9514	54.3	17.507	-0.448	-0.233	-2.747	-172.761	1
9514_9515	9514	9515	-58.712	3.771	-0.031	-0.15	-1.599	-141.38	1
9515_9515	9515	9515	58.152	19.775	2.361	0.112	-6.37	-303.902	1
9515_9516	9515	9516	-45.846	2.106	1.085	-0.015	10.901	-149.035	1
9516_9516	9516	9516	57.666	21.164	2.325	-0.723	19.52	-519.892	1
9516_9517	9516	9517	-33.723	1.157	0.653	-0.265	8.941	-126.774	1
9517_9517	9517	9517	58.411	22.082	13.234	1.246	28.317	-593.642	1
9517_9220	9517	9220	-33.719	1.053	1.881	0.112	16.739	-131.09	1
9520_9240	9520	9240	-32.692	1.015	-0.776	-0.255	-21.669	-44.928	1
9520_9521	9520	9521	-70.886	23.188	0.86	1.352	-42.988	610.555	1
9521_9521	9521	9521	-32.814	0.849	1.347	-0.389	-23.331	-48.069	1
9521_9522	9521	9522	-71.244	22.354	2.238	-0.85	-34.633	531.813	1
9522_9522	9522	9522	34.362	1.395	0.965	-0.032	-16.36	110.251	1
9522_9523	9522	9523	-68.374	20.688	2.064	-0.057	-9.535	304.973	1
9523_9523	9523	9523	47.341	2.692	0.45	-0.344	-6.881	112.398	1
9523_9524	9523	9524	-67.196	18.248	0.389	-0.592	-6.192	171.129	1
9524_9524	9524	9524	53.209	3.858	0.377	-0.088	-3.866	100.697	1
9524_9525	9524	9525	-67.528	16.685	0.51	-0.109	-2.392	50.698	1
9525_9525	9525	9525	87.524	6.004	-0.265	0.144	1.414	83.597	1
9525_9526	9525	9526	-64.736	14.259	0.282	-0.27	1.908	-162.2	1
9526_9526	9526	9526	89.864	9.304	-2.24	0.144	-1.823	0.931	1
9526_9527	9526	9527	-64.283	11.948	0.09	0.17	2.345	-267.977	1
9527_9527	9527	9527	93.084	11.13	-2.511	0.345	-21.408	-78.236	1
9527_9528	9527	9528	-63.68	10.657	0.178	-0.661	2.236	-331.711	1
9528_9528	9528	9528	-33.79	2.311	-0.51	3.636	28.921	72.417	1
9528_9529	9528	9529	-62.201	23.838	0.428	0.915	7.862	-382.91	1
9529_9529	9529	9529	60.055	23.982	1.986	-1.687	10.154	390.282	1
9529_9530	9529	9530	33.613	1.604	-1.66	3.849	-32.828	-72.4	1
9530_9530	9530	9530	64.372	10.765	-0.246	-0.495	10.597	330.462	1
9530_9531	9530	9531	-82.251	10.698	-3.928	0.225	38.146	73.673	1
9531_9531	9531	9531	64.14	12.068	-0.357	-0.171	8.997	270.597	1
9531_9532	9531	9532	-80.09	9.076	-3.754	-0.401	4.861	-1.939	1
9532_9532	9532	9532	66.334	14.487	-0.25	-0.366	5.532	157.323	1
9532_9533	9532	9533	-72.59	6.522	-0.486	-0.231	-2.55	-90.755	1
9533_9533	9533	9533	68.423	17.096	-0.172	0.027	1.648	-55.081	1
9533_9534	9533	9534	-61.523	4.1	-0.062	-0.009	-3.118	-111.829	1
9534_9534	9534	9534	68.004	18.691	-0.382	-0.589	0.609	-178.335	1
9534_9535	9534	9535	-54.957	2.725	0.135	-0.286	-1.779	-122.72	1
9535_9535	9535	9535	68.408	21.321	0.519	0.352	-2.303	-313.147	1
9535_9536	9535	9536	-37.56	1.147	-0.423	-0.021	-6.28	-110.634	1
9536_9536	9536	9536	70.686	23.008	0.361	-0.841	3.486	-548.504	1
9536_9537	9536	9537	31.336	0.562	-0.213	0.011	-0.882	50.376	1
9537_9537	9537	9537	70.041	24.149	3.561	3.565	4.816	-627.893	1
9537_9254	9537	9254	32.071	0.69	0.608	0.445	1.484	49.705	1
9540_9275	9540	9275	-33.473	1.674	-2.434	-0.481	-12.847	-36.326	1
9540_9541	9540	9541	-73.254	23.386	4.848	1.128	-53.884	645.305	1
9541_9541	9541	9541	-35.646	1.158	0.922	-0.319	-20.231	-43.598	1
9541_9542	9541	9542	-69.918	22.903	2.328	-2.287	-42.042	564.142	1
9542_9542	9542	9542	48.054	1.944	1.983	-0.005	-28.92	151.032	1
9542_9543	9542	9543	-69.562	21.231	2.407	0.103	-14.362	331.836	1
9543_9543	9543	9543	57.682	3.745	0.394	-0.464	-8.064	144.444	1
9543_9544	9543	9544	-69.517	18.969	0.603	-0.712	-9.719	194.405	1
9544_9544	9544	9544	62.48	5.113	0.353	-0.247	-5.55	124.242	1
9544_9545	9544	9545	-67.807	17.423	0.65	-0.279	-4.459	64.072	1
9545_9545	9545	9545	69.032	7.339	0.741	-0.339	-3.003	92.869	1
9545_9546	9545	9546	-67.587	14.89	0.721	-0.348	5.966	-150.666	1
9546_9546	9546	9546	72.79	9.509	3.1	-0.018	7.558	-9.255	1
9546_9547	9546	9547	-65.348	12.585	0.511	0.051	10.044	-270.007	1
9547_9547	9547	9547	93.143	11.011	-3.731	0.769	-38.202	-77.501	1
9547_9548	9547	9548	-65.585	11.279	0.573	-0.425	13.104	-332.777	1
9548_9548	9548	9548	-34.083	2.559	-0.414	5.363	35.529	70.573	1
9548_9549	9548	9549	-63.998	24.979	-0.335	2.897	19.374	-388.592	1
9549_9549	9549	9549	61.401	24.323	2.546	-3.052	16.198	384.077	1
9549_9550	9549	9550	33.558	1.295	-2.311	5.627	-41.445	-70.525	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9550_9550	9550	9550	65.086	10.174	0.008	-0.764	11.45	334.518	1
9550_9551	9550	9551	-84.712	12.397	3.898	-0.823	-45.514	86.469	1
9551_9551	9551	9551	64.834	11.669	-0.18	-0.152	11.081	276.959	1
9551_9552	9551	9552	-82.16	10.463	4.088	0.482	-10.1	1.009	1
9552_9552	9552	9552	67.143	14.375	-0.541	-0.436	9.645	170.013	1
9552_9553	9552	9553	-72.24	6.789	-1.124	-0.26	-5.739	-97.892	1
9553_9553	9553	9553	68.41	17.13	-0.458	-0.295	1.644	-34.981	1
9553_9554	9553	9554	-62.866	4.263	0.134	-0.212	-4.697	-119.052	1
9554_9554	9554	9554	68.584	18.892	-0.434	-0.214	-1.651	-157.765	1
9554_9555	9554	9555	-56.432	2.733	0.105	-0.047	-3.564	-128.807	1
9555_9555	9555	9555	69.307	21.866	0.472	0.327	-4.59	-292.552	1
9555_9556	9555	9556	-36.74	1.022	0.31	0.018	0.524	-108.693	1
9556_9556	9556	9556	70.423	23.777	0.428	-0.288	0.933	-527.358	1
9556_9557	9556	9557	-9.5	0.362	0.068	-0.029	0.064	-39.796	1
9557_9557	9557	9557	70.363	25.101	2.557	2.677	2.975	-607.163	1
9557_9288	9557	9288	20.047	0.351	-0.526	-0.644	-5.566	48.103	1
49000_9000	49000	9000	1.179	66.234	-0.615	-4.885	0	9.363	1
49000_9001	49000	9001	0.778	6.2	-3.874	-1.528	-32.156	-42.612	1
49001_9001	49001	9001	1.575	61.081	-0.913	-6.924	-7.556	-494.415	1
49001_9002	49001	9002	0.772	6.2	-3.875	-1.587	-66.624	-97.756	1
49002_9002	49002	9002	2.007	55.453	1.135	-5.284	-23.295	-921.001	1
49002_9003	49002	9003	0.769	5.927	1.858	-1.491	-44.172	-169.367	1
49003_9003	49003	9003	2.339	49.26	1.339	-8.974	-14.422	-1409.223	1
49003_9004	49003	9004	-0.643	7.817	-0.349	2.823	-3.546	740.159	1
49004_9004	49004	9004	2.587	46.285	0.239	-3.943	-2.146	-1769.088	1
49004_9005	49004	9005	-1.066	12.144	0.135	0.618	-3.701	1194.51	1
49005_9005	49005	9005	2.766	40.788	0.322	-8.511	-2.574	-2046.662	1
49005_9006	49005	9006	-1.565	18.301	0.058	4.336	-3.955	1590.28	1
49006_9006	49006	9006	2.88	38.989	-0.143	-3.055	-2.446	-2221.441	1
49006_9007	49006	9007	-1.999	21.514	0.349	0.044	-1.042	1904.501	1
49007_9007	49007	9007	2.939	33.937	-0.088	-5.756	-7.643	-2341.653	1
49007_9008	49007	9008	-2.333	27.197	0.315	2.56	2.662	2104.515	1
49008_9008	49008	9008	2.95	32.965	-0.213	-2.529	-12.653	-2377.403	1
49008_9009	49008	9009	-2.582	28.932	0.437	-0.613	7.887	2241.223	1
49009_9009	49009	9009	2.918	28.208	-0.155	-2.887	-18.709	-2378.87	1
49009_9010	49009	9010	-2.762	34.222	0.393	-0.232	13.369	2283.269	1
49010_9010	49010	9010	2.847	27.326	-0.308	1.465	-24.345	-2308.534	1
49010_9011	49010	9011	-2.876	35.478	0.579	-4.434	20.847	2278.448	1
49011_9011	49011	9011	2.741	22.817	-0.237	-3.219	-30.878	-2215.231	1
49011_9012	49011	9012	-2.936	40.534	0.531	0.298	28.307	2190.638	1
49012_9012	49012	9012	2.602	21.721	-0.4	2.438	-36.515	-2060.146	1
49012_9013	49012	9013	-2.947	41.73	0.828	-5.737	38.73	2067.199	1
49013_9013	49013	9013	2.423	17.53	-0.282	-1.769	-42.009	-1897.819	1
49013_9014	49013	9014	-2.915	46.647	0.758	-1.321	48.41	1869.282	1
49014_9014	49014	9014	2.147	14.938	0.23	1.92	-44.736	-1581.196	1
49014_9015	49014	9015	-2.846	48.427	-0.211	-5.531	44.198	1469.316	1
49015_9015	49015	9015	1.874	12.409	0.255	-0.978	-40.208	-1528.877	1
49015_9016	49015	9016	-3.194	54.563	-0.211	-2.012	41.562	1450.814	1
49016_9016	49016	9016	1.447	10.723	0.915	2.922	-37.002	-1245.699	1
49016_9017	49016	9017	-4.038	55.469	-1.472	-5.928	23.351	1042.875	1
49017_9017	49017	9017	1.073	7.146	0.615	0.037	-27.431	-953.626	1
49017_9018	49017	9018	-5.464	59.734	-1.455	-3.263	4.015	601.961	1
49018_9018	49018	9018	0.85	4.194	-0.67	1.471	-23.231	-672.229	1
49018_9019	49018	9019	-7.056	63.084	3.014	-4.432	43.468	216.237	1
49019_9019	49019	9019	-0.291	2.326	-0.021	0.41	-29.393	-515.908	1
49019_9020	49019	9020	-8.908	67.272	2.509	-4.073	72.873	-219.198	1
49020_9020	49020	9020	-49.949	54.737	4.136	-1.21	-124.213	-30.543	1
49020_9021	49020	9021	82.618	12.036	-5.265	-2.269	130.481	646.394	1
49021_9021	49021	9021	-45.873	51.116	3.866	-3.627	-73.932	-295.459	1
49021_9022	49021	9022	75.78	14.528	-5.362	1.394	82.46	750.344	1
49022_9022	49022	9022	-42.594	47.3	3.377	-3.158	-35.471	-436.764	1
49022_9023	49022	9023	70.145	16.924	-5.178	1.037	36.723	794.544	1
49023_9023	49023	9023	-40.117	44.21	0.204	-1.25	-4.128	-555.244	1
49023_9024	49023	9024	64.198	18.791	-0.889	-1.627	24.795	829.607	1
49024_9024	49024	9024	-38.484	40.084	0.065	-1.719	1.436	-664.543	1
49024_9025	49024	9025	58.387	21.679	-0.788	-1.231	14.649	853.12	1
49025_9025	49025	9025	-37.723	36.047	-0.034	-3.109	4.781	-744.628	1
49025_9026	49025	9026	52.908	24.891	-0.75	0.538	5.521	858.392	1
49026_9026	49026	9026	-37.711	35.123	-0.151	0.628	5.583	-851.819	1

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49026_9027	49026	9027	48.234	26.514	-0.219	-3.103	2.115	915.454	1
49027_9027	49027	9027	-38.158	32.111	-0.133	-1.632	5.28	-881.756	1
49027_9028	49027	9028	45.222	29.193	-0.255	-1.052	-0.49	908.977	1
49028_9028	49028	9028	-39.076	29.221	-0.193	-1.727	4.73	-895.774	1
49028_9029	49028	9029	42.776	32.087	-0.197	-0.907	-2.464	892.425	1
49029_9029	49029	9029	-40.552	26.526	-0.242	-2.122	3.504	-898.163	1
49029_9030	49029	9030	40.809	35.092	-0.156	-0.337	-3.862	858.782	1
49030_9030	49030	9030	-43.178	24.939	-0.699	0.077	1.137	-836.98	1
49030_9031	49030	9031	39.296	35.945	-0.075	-2.724	-4.501	749.172	1
49031_9031	49031	9031	-46.593	21.709	-0.807	-0.435	-6.4	-827.003	1
49031_9032	49031	9032	38.036	39.988	0.068	-2.446	-2.538	665.652	1
49032_9032	49032	9032	-50.4	18.797	-0.847	-2.099	-15.651	-798.274	1
49032_9033	49032	9033	37.641	44.113	0.156	-0.823	1.263	552.211	1
49033_9033	49033	9033	-54.422	16.896	-5.214	1.637	-26.277	-757.712	1
49033_9034	49033	9034	38.09	47.236	3.406	-3.515	31.505	430.219	1
49034_9034	49034	9034	-58.32	14.467	-5.315	1.111	-71.314	-706.634	1
49034_9035	49034	9035	39.39	51.047	3.854	-3.455	68.734	283.642	1
49035_9035	49035	9035	-63.16	11.934	-5.237	-2.491	-117.797	-598.23	1
49035_9036	49035	9036	41.491	54.693	4.145	-0.99	118.005	16.362	1
49036_9036	49036	9036	35.709	63.411	2.29	-3.826	-56.299	318.366	1
49036_9037	49036	9037	7.255	6.927	-0.243	-1.471	3.191	364.958	1
49037_9037	49037	9037	36.64	59.435	2.698	-4.512	-28.871	-29.82	1
49037_9038	49037	9038	7.069	7.116	-0.259	-0.657	-0.163	275.735	1
49038_9038	49038	9038	37.084	56.248	-1.28	-3.895	6.58	-324.992	1
49038_9039	49038	9039	-21.305	8.823	0.642	0.217	18.754	816.026	1
49039_9039	49039	9039	36.764	52.388	-1.292	-5.805	-10.132	-676.802	1
49039_9040	49039	9040	-25.648	12.278	0.95	2.602	27.506	1043.439	1
49040_9040	49040	9040	36.282	51.673	-1.004	-4.825	-25.387	-1022.695	1
49040_9041	49040	9041	-29.166	13.878	0.638	1.158	32.326	1265.905	1
49041_9041	49041	9041	35.731	45.503	-0.973	-5.059	-34.411	-980.662	1
49041_9042	49041	9042	-31.294	16.372	0.722	1.098	43.82	1253.878	1
49042_9042	49042	9042	35.058	43.522	0.136	-2.952	-49.208	-1308.463	1
49042_9043	49042	9043	-34.014	18.981	-0.177	-0.826	44.198	1465.304	1
49043_9043	49043	9043	33.993	38.311	0.101	-4.992	-47.35	-1464.61	1
49043_9044	49043	9044	-35.325	23.481	-0.159	1.217	43.931	1545.586	1
49044_9044	49044	9044	32.65	36.814	0.039	-1.568	-46.05	-1557.867	1
49044_9045	49044	9045	-35.817	24.769	-0.08	-2.227	43.9	1618.594	1
49045_9045	49045	9045	31.075	31.657	0.006	-3.88	-45.187	-1628.253	1
49045_9046	49045	9046	-35.729	29.663	-0.054	0.085	44.209	1635.335	1
49046_9046	49046	9046	29.304	30.339	-0.08	-0.123	-44.842	-1637.239	1
49046_9047	49046	9047	-35.098	30.928	0.029	-3.688	45.064	1635.617	1
49047_9047	49047	9047	27.317	25.394	-0.102	-2.434	-45.087	-1628.019	1
49047_9048	49047	9048	-34.067	36.073	0.063	-1.357	46.458	1575.089	1
49048_9048	49048	9048	25.125	24.053	-0.252	1.123	-45.609	-1560.846	1
49048_9049	49048	9049	-32.739	37.509	0.205	-4.926	49.225	1491.993	1
49049_9049	49049	9049	22.65	19.496	-0.251	-1.063	-46.996	-1486.58	1
49049_9050	49049	9050	-31.19	42.751	0.242	-2.717	52.627	1345.487	1
49050_9050	49050	9050	19.175	16.816	0.678	1.524	-47.209	-1278.665	1
49050_9051	49050	9051	-29.436	44.735	-0.912	-5.391	38.963	1026.956	1
49051_9051	49051	9051	17.035	14.163	0.579	0.034	-36.105	-1289.502	1
49051_9052	49051	9052	-27.34	51.097	-0.912	-3.556	30.904	1061.008	1
49052_9052	49052	9052	13.881	12.419	0.887	1.51	-31.171	-1070.173	1
49052_9053	49052	9053	-26.643	51.889	-1.272	-5.102	15.795	717.717	1
49053_9053	49053	9053	10.418	8.662	0.595	1.017	-22.734	-846.095	1
49053_9054	49053	9054	-25.786	56.119	-1.306	-5.027	-1.542	366.345	1
49054_9054	49054	9054	7.542	5.513	-0.815	1.055	-19.266	-615.5	1
49054_9055	49054	9055	-24.53	59.611	2.967	-4.517	37.62	62.196	1
49055_9055	49055	9055	-26.895	4.764	-0.089	-1.236	10.035	-317.143	1
49055_9056	49055	9056	-23.527	64.033	2.536	-4.427	67.977	-299.844	1
49056_9056	49056	9056	-49.544	54.073	3.865	-1.257	-110.196	-127.156	1
49056_9057	49056	9057	73.636	12.216	-4.8	-2.115	111.992	646.84	1
49057_9057	49057	9057	-46.577	50.447	3.598	-2.884	-64.13	-384.421	1
49057_9058	49057	9058	68.717	14.874	-4.887	0.107	68.593	756.567	1
49058_9058	49058	9058	-44.273	46.708	3.252	-3.836	-29.26	-526.904	1
49058_9059	49058	9059	64.606	17.392	-4.886	1.841	25.871	815.609	1
49059_9059	49059	9059	-42.64	43.775	0.105	-0.775	-0.295	-643.061	1
49059_9060	49059	9060	60.173	19.271	-0.614	-2.242	16.834	862.675	1
49060_9060	49060	9060	-41.713	39.753	0.055	-2.504	3.327	-749.616	1
49060_9061	49060	9061	55.828	22.213	-0.611	-0.494	8.712	895.469	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49061_9061	49061	9061	-41.518	35.814	-0.062	-2.796	5.654	-826.541	1
49061_9062	49061	9062	51.724	25.461	-0.532	0.047	1.864	908.558	1
49062_9062	49062	9062	-41.855	35.1	-0.105	-0.934	5.623	-931.255	1
49062_9063	49062	9063	48.283	26.951	-0.174	-1.703	-0.937	973.055	1
49063_9063	49063	9063	-42.579	32.166	-0.215	0.649	5.096	-959.948	1
49063_9064	49063	9064	46.11	29.618	-0.051	-3.442	-2.013	971.558	1
49064_9064	49064	9064	-43.719	29.337	-0.107	-3.331	3.636	-972.241	1
49064_9065	49064	9065	44.397	32.456	-0.166	0.532	-3.576	957.763	1
49065_9065	49065	9065	-45.354	26.686	-0.215	-1.845	2.619	-972.478	1
49065_9066	49065	9066	43.085	35.399	-0.063	-0.786	-4.25	927.392	1
49066_9066	49066	9066	-48.116	25.21	-0.557	0.5	0.101	-907.114	1
49066_9067	49066	9067	42.148	36.101	-0.009	-3.256	-4.26	820.599	1
49067_9067	49067	9067	-51.612	21.984	-0.571	-1.358	-6.446	-893.382	1
49067_9068	49067	9068	41.531	40.04	0.049	-1.738	-2.567	741.409	1
49068_9068	49068	9068	-55.427	19.065	-0.65	-1.773	-13.728	-860.11	1
49068_9069	49068	9069	41.651	44.066	0.15	-1.237	0.773	632.475	1
49069_9069	49069	9069	-59.411	17.287	-4.925	0.992	-22.592	-814.081	1
49069_9070	49069	9070	42.498	46.914	3.26	-3.337	29.112	515.312	1
49070_9070	49070	9070	-63.169	14.801	-5.007	0.333	-65.177	-756.945	1
49070_9071	49070	9071	44.068	50.65	3.673	-3.112	64.041	371.773	1
49071_9071	49071	9071	-67.782	12.195	-4.932	-1.999	-109.009	-650.843	1
49071_9072	49071	9072	46.346	54.262	3.957	-1.466	110.543	113.652	1
49072_9072	49072	9072	29.939	63.797	2.502	-4.109	-64.143	263.32	1
49072_9073	49072	9073	3.258	5.98	-0.215	-1.071	10.888	271.606	1
49073_9073	49073	9073	30.346	59.632	2.887	-4.58	-33.482	-111.368	1
49073_9074	49073	9074	4.052	6.076	-0.215	-0.896	7.202	199.19	1
49074_9074	49074	9074	30.415	56.48	-1.452	-3.837	4.606	-432.437	1
49074_9075	49074	9075	-16.739	8.56	0.666	0.202	21.359	855.642	1
49075_9075	49075	9075	29.844	52.499	-1.483	-5.896	-14.387	-802.981	1
49075_9076	49075	9076	-20.431	12.121	1.017	2.823	31.334	1093.18	1
49076_9076	49076	9076	29.315	51.871	-0.84	-3.791	-32.035	-1166.486	1
49076_9077	49076	9077	-23.409	13.671	0.566	0.379	36.304	1331.961	1
49077_9077	49077	9077	28.941	46.294	-0.859	-5.241	-39.663	-1201.729	1
49077_9078	49077	9078	-25.146	16.254	0.617	1.371	45.642	1376.328	1
49078_9078	49078	9078	28.712	44.693	0.433	-2.904	-52.211	-1504.334	1
49078_9079	49078	9079	-27.21	18.494	-0.237	-0.729	44.95	1595.015	1
49079_9079	49079	9079	28.303	39.945	0.434	-5.378	-47.493	-1666.112	1
49079_9080	49079	9080	-28.321	22.666	-0.284	1.699	42.778	1700.348	1
49080_9080	49080	9080	27.776	38.96	0.152	-2.763	-43.048	-1771.351	1
49080_9081	49080	9081	-28.826	23.656	-0.065	-0.983	41.814	1803.232	1
49081_9081	49081	9081	27.145	34.255	0.173	-3.492	-41.457	-1857.318	1
49081_9082	49081	9082	-28.953	28.124	-0.103	-0.239	40.539	1856.381	1
49082_9082	49082	9082	26.388	33.195	0.004	-0.651	-40.022	-1862.208	1
49082_9083	49082	9083	-28.785	28.856	0.06	-2.969	40.611	1873.121	1
49083_9083	49083	9083	25.53	28.266	0.008	-3.048	-40.133	-1875.032	1
49083_9084	49083	9084	-28.39	33.821	0.06	-0.558	40.974	1854.313	1
49084_9084	49084	9084	24.62	27.553	-0.099	0.678	-40.474	-1852.133	1
49084_9085	49084	9085	-27.835	34.889	0.174	-4.299	42.236	1842.571	1
49085_9085	49085	9085	23.552	23.139	-0.083	-1.83	-41.499	-1795.22	1
49085_9086	49085	9086	-27.221	39.596	0.174	-1.746	43.872	1749.668	1
49086_9086	49086	9086	22.273	22.153	-0.307	1.648	-42.473	-1689.516	1
49086_9087	49086	9087	-26.528	40.58	0.455	-5.311	48.326	1638.017	1
49087_9087	49087	9087	20.667	18.026	-0.253	-0.599	-44.796	-1580.769	1
49087_9088	49087	9088	-25.753	45.324	0.446	-3.029	52.938	1470.424	1
49088_9088	49088	9088	18.413	16.119	0.495	1.584	-45.74	-1375.241	1
49088_9089	49088	9089	-24.877	46.771	-0.678	-5.379	42.967	1188.618	1
49089_9089	49089	9089	16.689	13.481	0.452	0.236	-38.178	-1326.621	1
49089_9090	49089	9090	-24.12	52.122	-0.664	-3.687	36.465	1147.304	1
49090_9090	49090	9090	13.994	11.779	0.917	2.088	-33.652	-1086.731	1
49090_9091	49090	9091	-24.087	52.828	-1.373	-5.411	19.814	784.319	1
49091_9091	49091	9091	10.91	8.081	0.625	0.551	-24.219	-840.646	1
49091_9092	49091	9092	-24.069	56.986	-1.368	-4.305	1.435	404.156	1
49092_9092	49092	9092	-8.57	6.199	-0.096	-0.691	0.629	-236.107	1
49092_9093	49092	9093	-23.663	60.276	3.016	-4.319	40.746	78.945	1
49093_9093	49093	9093	-5.384	6.023	-0.08	-1.373	-2.201	-302.648	1
49093_9094	49093	9094	-23.288	64.611	2.64	-3.861	72.723	-304.183	1
49094_9094	49094	9094	-49.823	54.066	3.743	-1.544	-105.546	-120.299	1
49094_9095	49094	9095	74.55	12.186	-4.679	-1.825	107.185	642.139	1
49095_9095	49095	9095	-46.715	50.413	3.473	-2.997	-60.985	-378.696	1

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49095_9096	49095	9096	69.522	14.818	-4.753	0.23	65.077	749.13	1
49096_9096	49096	9096	-44.248	46.637	3.075	-3.153	-27.394	-522.583	1
49096_9097	49096	9097	65.324	17.334	-4.664	0.763	24.307	807.751	1
49097_9097	49097	9097	-42.418	43.84	0.066	-0.84	-0.043	-638.982	1
49097_9098	49097	9098	60.781	19.123	-0.582	-2.12	15.699	854.939	1
49098_9098	49098	9098	-41.277	39.796	0.011	-2.423	3.041	-747.947	1
49098_9099	49098	9099	56.315	22.07	-0.568	-0.523	8.127	889.394	1
49099_9099	49099	9099	-40.843	35.839	-0.1	-2.752	4.833	-825.884	1
49099_9100	49099	9100	52.09	25.326	-0.488	0.052	1.857	903.79	1
49100_9100	49100	9100	-40.984	35.231	-0.133	-0.393	4.386	-931.504	1
49100_9101	49100	9101	48.509	26.739	-0.246	-2.113	-1.125	970.37	1
49101_9101	49101	9101	-41.501	32.275	-0.184	-0.721	3.487	-961.669	1
49101_9102	49101	9102	46.217	29.405	-0.191	-1.951	-2.8	970.576	1
49102_9102	49102	9102	-42.417	29.417	-0.232	-1.124	1.934	-974.188	1
49102_9103	49102	9103	44.38	32.253	-0.145	-1.607	-3.908	958.381	1
49103_9103	49103	9103	-43.815	26.751	-0.215	-3.105	-0.214	-975.437	1
49103_9104	49103	9104	42.921	35.214	-0.169	0.608	-4.818	929.519	1
49104_9104	49104	9104	-46.24	25.341	-0.518	0.54	-3.288	-910.162	1
49104_9105	49104	9105	41.834	35.802	-0.084	-3.211	-4.914	825.859	1
49105_9105	49105	9105	-49.383	22.064	-0.543	-1.349	-10.124	-896.377	1
49105_9106	49105	9106	40.992	39.75	-0.023	-1.66	-3.108	748.899	1
49106_9106	49106	9106	-52.82	19.102	-0.634	-1.71	-17.851	-862.82	1
49106_9107	49106	9107	40.864	43.802	0.085	-1.211	0.447	642.417	1
49107_9107	49107	9107	-56.427	17.298	-4.645	0.655	-27.289	-815.343	1
49107_9108	49107	9108	41.434	46.57	3.072	-3.148	28.144	526.871	1
49108_9108	49108	9108	-59.766	14.754	-4.728	0.067	-68.366	-756.414	1
49108_9109	49108	9109	42.715	50.364	3.467	-2.92	62.034	384.633	1
49109_9109	49109	9109	-63.85	12.085	-4.701	-1.622	-110.749	-647.894	1
49109_9110	49109	9110	44.674	54.029	3.767	-1.733	107.184	126.828	1
49110_9110	49110	9110	32.612	62.779	2.688	-4.085	-79.26	247.434	1
49110_9111	49110	9111	10.826	3.483	-0.057	-0.834	-2.358	219.126	1
49111_9111	49111	9111	33.739	58.48	3.068	-4.192	-47.756	-108.566	1
49111_9112	49111	9112	-14.583	6.035	-1.023	1.135	23.057	616.3	1
49112_9112	49112	9112	34.7	55.286	-1.201	-4.341	-8.561	-405.176	1
49112_9113	49112	9113	-18.46	9.02	0.565	0.521	27.295	848.3	1
49113_9113	49113	9113	34.984	51.225	-1.197	-5.408	-25.025	-752.24	1
49113_9114	49113	9114	-22.664	12.702	0.85	2.107	36.474	1076.457	1
49114_9114	49114	9114	35.073	50.614	-0.474	-4.228	-39.537	-1090.974	1
49114_9115	49114	9115	-26.207	14.375	0.301	0.684	39.894	1300.587	1
49115_9115	49115	9115	35.697	44.939	-0.452	-5.042	-44.263	-1093.469	1
49115_9116	49115	9116	-28.435	17.02	0.336	1.179	45.578	1317.478	1
49116_9116	49116	9116	36.208	43.529	0.479	-2.039	-50.866	-1369.602	1
49116_9117	49116	9117	-31.369	19.096	-0.337	-1.486	43.639	1509.575	1
49117_9117	49117	9117	36.491	38.619	0.437	-5.837	-45.332	-1513.325	1
49117_9118	49117	9118	-33.234	23.372	-0.34	2.307	40.81	1590.214	1
49118_9118	49118	9118	36.58	37.629	0.375	-0.737	-40.454	-1600.031	1
49118_9119	49118	9119	-34.566	24.326	-0.279	-2.817	37.601	1667.582	1
49119_9119	49119	9119	36.519	32.761	0.329	-4.845	-35.981	-1668.964	1
49119_9120	49119	9120	-35.498	28.897	-0.26	1.263	34.506	1693.461	1
49120_9120	49120	9120	36.289	31.817	0.198	0.303	-32.374	-1657.131	1
49120_9121	49120	9121	-36.096	29.483	-0.157	-3.956	31.821	1687.673	1
49121_9121	49121	9121	35.874	26.723	0.153	-3.614	-29.879	-1654.201	1
49121_9122	49121	9122	-36.448	34.595	-0.117	0	29.805	1643.803	1
49122_9122	49122	9122	35.251	26.058	0.132	2.361	-28.315	-1615.306	1
49122_9123	49122	9123	-36.58	35.677	-0.098	-5.957	27.834	1610.068	1
49123_9123	49123	9123	34.353	21.527	0.061	-3.077	-26.899	-1547.118	1
49123_9124	49123	9124	-36.529	40.543	-0.019	-0.389	27.144	1495.391	1
49124_9124	49124	9124	33.073	20.692	-0.059	2.194	-26.609	-1432.082	1
49124_9125	49124	9125	-36.348	41.435	0.165	-5.945	28.374	1365.965	1
49125_9125	49125	9125	31.236	16.512	-0.061	-1.279	-26.874	-1319.995	1
49125_9126	49125	9126	-35.997	46.318	0.207	-2.396	30.429	1179.139	1
49126_9126	49126	9126	28.409	14.604	0.616	1.794	-26.817	-1112.895	1
49126_9127	49126	9127	-35.451	47.823	-0.889	-5.631	17.849	868.886	1
49127_9127	49127	9127	26.241	12.075	0.543	-0.415	-18.562	-1060.697	1
49127_9128	49127	9128	-34.904	53.335	-0.821	-3.036	10.861	816.95	1
49128_9128	49128	9128	22.716	10.796	1.157	2.326	-15.027	-837.715	1
49128_9129	49128	9129	-34.898	53.73	-1.553	-5.459	-7.189	444.141	1
49129_9129	49129	9129	18.506	7.356	0.803	0.015	-5.016	-621.753	1
49129_9130	49129	9130	-34.737	57.668	-1.543	-3.752	-26.878	71.278	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49130_9130	49130	9130	-11.374	6.486	-0.344	-0.9	-13.46	-346.469	1
49130_9131	49130	9131	-33.857	60.675	3.084	-4.107	14.241	-241.715	1
49131_9131	49131	9131	-10.003	6.202	-0.328	-0.768	-18.143	-420.95	1
49131_9132	49131	9132	-32.803	64.833	2.824	-3.713	51.575	-604.806	1
49132_9132	49132	9132	-49.051	55.798	4.481	-2.208	-106.944	35.82	1
49132_9133	49132	9133	77.7	9.271	-4.924	-1.103	83.632	477.563	1
49133_9133	49133	9133	-45.295	51.829	4.113	-2.999	-58.18	-257.21	1
49133_9134	49133	9134	71.925	12.053	-4.931	-0.176	43.918	619.29	1
49134_9134	49134	9134	-42.213	47.701	3.8	-4.001	-22.167	-422.546	1
49134_9135	49134	9135	67.059	14.731	-5.036	1.46	2.466	697.452	1
49135_9135	49135	9135	-39.82	44.248	-0.199	-1.199	8.267	-558.528	1
49135_9136	49135	9136	61.862	17.097	-0.104	-1.691	-0.718	761.035	1
49136_9136	49136	9136	-38.144	39.835	-0.193	-2.713	7.044	-680.837	1
49136_9137	49136	9137	56.702	20.265	-0.117	-0.176	-3.136	808.806	1
49137_9137	49137	9137	-37.227	35.52	-0.238	-2.972	5.506	-769.068	1
49137_9138	49137	9138	51.77	23.77	-0.06	0.35	-4.516	834.042	1
49138_9138	49138	9138	-37.032	34.652	-0.165	0.168	3.207	-877.715	1
49138_9139	49138	9139	47.496	25.474	0.091	-2.7	-4.175	905.553	1
49139_9139	49139	9139	-37.246	31.427	-0.109	-1.95	1.65	-909.558	1
49139_9140	49139	9140	44.71	28.358	0.031	-0.802	-3.859	909.165	1
49140_9140	49140	9140	-37.888	28.324	-0.114	-2.232	0.396	-922.416	1
49140_9141	49140	9141	42.399	31.454	0.042	-0.414	-3.366	899.494	1
49141_9141	49141	9141	-39.037	25.423	-0.186	-0.82	-0.869	-921.35	1
49141_9142	49141	9142	40.499	34.676	0.118	-1.767	-2.338	870.928	1
49142_9142	49142	9142	-41.171	23.746	-0.211	-0.509	-3.164	-853.756	1
49142_9143	49142	9143	38.993	35.49	-0.131	-2.278	-2.956	765.333	1
49143_9143	49143	9143	-44.031	20.218	-0.31	0.199	-6.507	-831.918	1
49143_9144	49143	9144	37.638	39.815	-0.02	-3.089	-1.78	681.864	1
49144_9144	49144	9144	-47.182	17.022	-0.304	-1.407	-11.022	-786.871	1
49144_9145	49144	9145	37.042	44.232	-0.009	-1.571	-0.08	563.946	1
49145_9145	49145	9145	-50.493	14.785	-4.116	0.684	-16.129	-725.509	1
49145_9146	49145	9146	37.189	47.553	2.879	-3.287	24.587	433.19	1
49146_9146	49146	9146	-53.528	12.075	-4.216	1.098	-51.016	-649.476	1
49146_9147	49146	9147	38.114	51.685	3.257	-3.795	54.826	272.934	1
49147_9147	49147	9147	-57.198	9.229	-4.133	-1.266	-86.553	-514.389	1
49147_9148	49147	9148	39.772	55.655	3.49	-2.174	94.787	-12.789	1
49148_9148	49148	9148	49.217	61.523	2.517	-3.781	-54.546	428.248	1
49148_9149	49148	9149	24.002	4.013	-0.142	-0.493	2.065	340.233	1
49149_9149	49149	9149	52.339	57.372	2.939	-3.935	-23.087	102.449	1
49149_9150	49149	9150	-24.647	6.298	-0.798	0.359	11.675	482.476	1
49150_9150	49150	9150	55.145	54.232	-1.335	-4.768	16.175	-168.09	1
49150_9151	49150	9151	-30.865	9.329	0.643	0.822	13.477	684.075	1
49151_9151	49151	9151	56.705	50.45	-1.223	-4.394	-1.163	-482.636	1
49151_9152	49151	9152	-37.514	12.764	0.91	0.568	20.375	874.542	1
49152_9152	49152	9152	57.483	49.825	-0.702	-4.394	-15.233	-809.977	1
49152_9153	49152	9153	-43.075	14.398	0.39	0.784	22.502	1072.276	1
49153_9153	49153	9153	58.844	43.958	-0.631	-4.298	-21.002	-798.639	1
49153_9154	49153	9154	-46.628	16.981	0.429	0.277	28.325	1066.369	1
49154_9154	49154	9154	59.536	41.924	0.043	-2.451	-29.27	-1070.719	1
49154_9155	49154	9155	-51.529	19.545	-0.105	-1.308	28.158	1231.652	1
49155_9155	49155	9155	59.666	36.777	-0.02	-4.456	-28.317	-1199.433	1
49155_9156	49155	9156	-54.643	23.982	-0.058	0.699	28.196	1286.163	1
49156_9156	49156	9156	59.318	35.502	0.034	-1.265	-28.16	-1300.386	1
49156_9157	49156	9157	-56.906	25.56	-0.123	-2.501	27.347	1358.71	1
49157_9157	49157	9157	58.523	30.909	-0.036	-3.486	-27.481	-1350.946	1
49157_9158	49157	9158	-58.376	29.942	-0.063	-0.292	27.139	1359.779	1
49158_9158	49158	9158	57.257	29.745	-0.08	-0.164	-27.654	-1356.08	1
49158_9159	49158	9159	-59.265	31.13	-0.027	-3.602	27.239	1351.057	1
49159_9159	49159	9159	55.468	25.356	-0.139	-2.378	-28.204	-1351.669	1
49159_9160	49159	9160	-59.659	35.712	0.046	-1.394	28.235	1297.241	1
49160_9160	49160	9160	52.92	23.727	-0.042	0.187	-29.366	-1275.687	1
49160_9161	49160	9161	-59.591	37.067	-0.024	-4.052	28.568	1192.389	1
49161_9161	49161	9161	49.599	19.283	-0.04	-0.57	-29.244	-1215.962	1
49161_9162	49161	9162	-59.012	42.202	-0.02	-3.316	29.038	1059.211	1
49162_9162	49162	9162	44.569	16.696	0.518	0.136	-28.868	-1045.744	1
49162_9163	49162	9163	-57.883	44.291	-0.722	-4.259	19.645	781.108	1
49163_9163	49163	9163	40.991	14.099	0.492	1.152	-21.957	-1045.402	1
49163_9164	49163	9164	-56.067	50.162	-0.826	-4.838	12.961	786.475	1
49164_9164	49164	9164	35.467	12.4	0.956	0.689	-19.283	-844.598	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49164_9165	49164	9165	-55.063	50.903	-1.281	-4.555	-1.685	452.742	1
49165_9165	49165	9165	28.942	8.956	0.679	0.749	-12.23	-648.717	1
49165_9166	49165	9166	-53.264	54.731	-1.391	-4.696	-19.575	126.272	1
49166_9166	49166	9166	22.885	5.873	-0.779	0.688	-10.544	-446.018	1
49166_9167	49166	9167	-50.323	58.062	2.932	-3.962	19.85	-154.075	1
49167_9167	49167	9167	-27.934	4.394	-0.108	-0.657	-3.998	-391.728	1
49167_9168	49167	9168	-47.162	62.221	2.54	-3.69	52.144	-488.33	1
49168_9168	49168	9168	-42.518	55.891	3.616	-2.336	-96.589	27.864	1
49168_9169	49168	9169	61.542	9.283	-4.265	-1.099	85.508	502.763	1
49169_9169	49169	9169	-40.451	51.965	3.369	-3.897	-55.606	-261.564	1
49169_9170	49169	9170	57.692	12.073	-4.345	1.174	49.403	638.325	1
49170_9170	49170	9170	-39.084	47.867	2.976	-3.412	-24.749	-424.889	1
49170_9171	49170	9171	54.449	14.735	-4.24	0.775	13.856	714.669	1
49171_9171	49171	9171	-38.453	44.442	0.114	-2.319	0.261	-559.525	1
49171_9172	49171	9172	50.859	17.023	-0.47	-0.637	7.684	776.456	1
49172_9172	49172	9172	-38.537	40.048	0.001	-1.732	2.529	-680.364	1
49172_9173	49172	9173	47.391	20.18	-0.355	-1.315	3.177	822.928	1
49173_9173	49173	9173	-39.36	35.743	-0.023	-3.215	3.343	-767.42	1
49173_9174	49173	9174	44.16	23.668	-0.361	0.451	-0.984	846.707	1
49174_9174	49174	9174	-40.453	34.713	-0.025	-1.259	3.187	-876.036	1
49174_9175	49174	9175	41.625	25.525	-0.093	-1.275	-2.193	916.171	1
49175_9175	49175	9175	-41.927	31.514	-0.107	0.109	2.937	-905.908	1
49175_9176	49175	9176	40.151	28.409	-0.008	-2.752	-2.416	918.301	1
49176_9176	49176	9176	-43.8	28.431	-0.05	-1.972	2.071	-917.197	1
49176_9177	49176	9177	39.166	31.495	-0.059	-0.729	-2.913	906.82	1
49177_9177	49177	9177	-46.138	25.556	-0.066	-2.162	1.496	-915.203	1
49177_9178	49177	9178	38.593	34.694	-0.044	-0.362	-3.192	876.712	1
49178_9178	49178	9178	-49.793	23.68	-0.412	0.52	0.412	-845.796	1
49178_9179	49178	9179	38.412	35.787	0.011	-3.247	-2.935	767.678	1
49179_9179	49179	9179	-54.089	20.211	-0.4	-1.249	-4.219	-822.182	1
49179_9180	49179	9180	38.809	40.088	0.041	-1.776	-1.652	679.921	1
49180_9180	49180	9180	-58.578	17.072	-0.524	-0.576	-9.12	-776.294	1
49180_9181	49180	9181	39.945	44.476	0.16	-2.372	1.142	558.523	1
49181_9181	49181	9181	-63.117	14.777	-4.159	1.029	-15.695	-715.491	1
49181_9182	49181	9182	41.776	47.925	2.929	-3.748	25.952	423.312	1
49182_9182	49182	9182	-67.266	12.136	-4.194	0.387	-50.545	-640.713	1
49182_9183	49182	9183	44.289	52.014	3.263	-3.432	56.019	259.698	1
49183_9183	49183	9183	-72.121	9.384	-4.24	-0.445	-85.256	-507.03	1
49183_9184	49183	9184	47.46	55.931	3.6	-2.853	96.845	-29.602	1
49184_9184	49184	9184	36.786	63.883	2.483	-3.656	-50.892	521.723	1
49184_9185	49184	9185	10.687	5.46	-0.165	-0.695	5.044	314.325	1
49185_9185	49185	9185	38.571	59.638	2.878	-3.935	-18.861	158.181	1
49185_9186	49185	9186	11.629	5.753	-0.174	-0.567	2.461	245.751	1
49186_9186	49186	9186	40.164	56.037	-1.428	-4.297	20.13	-154.212	1
49186_9187	49186	9187	-21.284	8.242	0.691	0.506	12.972	648.957	1
49187_9187	49187	9187	40.878	51.952	-1.354	-4.572	2.172	-513.627	1
49187_9188	49187	9188	-26.228	11.755	1.006	0.936	20.542	863.648	1
49188_9188	49188	9188	41.189	50.79	-0.885	-4.955	-13.097	-868.205	1
49188_9189	49188	9189	-30.413	13.653	0.483	0.729	23.077	1080.066	1
49189_9189	49189	9189	42.014	44.815	-0.844	-4.92	-20.074	-876.816	1
49189_9190	49189	9190	-33.087	16.313	0.549	0.246	30.412	1093.3	1
49190_9190	49190	9190	42.482	42.398	-0.205	-4.82	-31.25	-1167.634	1
49190_9191	49190	9191	-36.719	19.143	0.061	-0.289	32.136	1282.585	1
49191_9191	49191	9191	42.512	37.282	-0.182	-4.438	-33.028	-1305.463	1
49191_9192	49191	9192	-39.017	23.587	0.051	-0.663	33.666	1356.795	1
49192_9192	49192	9192	42.205	35.757	-0.154	-1.766	-34.628	-1414.779	1
49192_9193	49192	9193	-40.644	25.476	0.006	-3.015	34.496	1445.272	1
49193_9193	49193	9193	41.567	31.236	-0.218	-4.292	-35.782	-1467.109	1
49193_9194	49193	9194	-41.685	29.844	0.07	-0.524	36.063	1458.342	1
49194_9194	49194	9194	40.572	29.786	-0.184	-0.211	-37.527	-1473.85	1
49194_9195	49194	9195	-42.303	31.358	0.055	-4.532	37.508	1456.306	1
49195_9195	49195	9195	39.169	25.503	-0.236	-2.727	-38.791	-1467.698	1
49195_9196	49195	9196	-42.539	35.903	0.123	-2.032	39.687	1407.91	1
49196_9196	49196	9196	37.179	23.672	-0.053	1.14	-40.328	-1387.738	1
49196_9197	49196	9197	-42.444	37.541	-0.072	-5.826	39.851	1300.571	1
49197_9197	49197	9197	34.641	19.353	-0.104	-1.17	-39.742	-1323.73	1
49197_9198	49197	9198	-41.963	42.625	-0.014	-3.564	40.638	1166.436	1
49198_9198	49198	9198	30.817	16.592	0.673	1.503	-39.054	-1147.342	1
49198_9199	49198	9199	-41.066	45.093	-0.927	-6.255	28.734	880.062	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49199_9199	49199	9199	28.134	14.01	0.545	0.248	-29.6	-1146.357	1
49199_9200	49199	9200	-39.713	50.96	-0.936	-4.735	21.07	887.786	1
49200_9200	49200	9200	24.04	11.972	0.894	1.762	-26.134	-938.027	1
49200_9201	49200	9201	-39.133	52.266	-1.127	-6.293	8.085	540.4	1
49201_9201	49201	9201	19.327	8.511	0.617	1.021	-18.795	-727.762	1
49201_9202	49201	9202	-38.115	56.29	-1.199	-5.971	-7.517	194.463	1
49202_9202	49202	9202	15.104	5.392	-0.814	0.898	-16.225	-511.038	1
49202_9203	49202	9203	-36.32	59.876	3.111	-5.514	33.246	-102.629	1
49203_9203	49203	9203	-11.21	4.84	-0.145	-0.642	0.312	-295.454	1
49203_9204	49203	9204	-34.479	64.029	2.626	-5.518	64.704	-452.046	1
49204_9204	49204	9204	-49.416	55.004	3.766	-2.487	-106.971	-36.364	1
49204_9205	49204	9205	72.434	11.349	-4.681	-1.595	105.548	574.213	1
49205_9205	49205	9205	-46.658	51.356	3.472	-4.435	-62.46	-313.701	1
49205_9206	49205	9206	67.75	13.976	-4.714	1.209	64.45	702.289	1
49206_9206	49206	9206	-44.589	47.557	3.074	-4.645	-29.075	-465.204	1
49206_9207	49206	9207	63.821	16.461	-4.635	1.927	24.386	765.353	1
49207_9207	49207	9207	-43.21	44.234	0.299	-0.7	-1.814	-590.845	1
49207_9208	49207	9208	59.555	18.663	-0.847	-2.591	14.07	814.577	1
49208_9208	49208	9208	-42.544	40.146	0.226	-2.377	2.853	-705.447	1
49208_9209	49208	9209	55.392	21.615	-0.838	-1.019	4.617	850.209	1
49209_9209	49209	9209	-42.6	36.133	0.144	-3.841	5.867	-790.315	1
49209_9210	49209	9210	51.473	24.875	-0.822	0.819	-4.045	866.181	1
49210_9210	49210	9210	-43.104	35.22	-0.197	1.893	6.867	-901.276	1
49210_9211	49210	9211	48.231	26.523	-0.01	-4.22	-5.291	932.331	1
49211_9211	49211	9211	-43.982	32.229	-0.15	-0.309	5.211	-934.761	1
49211_9212	49211	9212	46.226	29.215	-0.054	-2.48	-5.982	932.536	1
49212_9212	49212	9212	-45.246	29.349	-0.102	-2.366	3.624	-951.736	1
49212_9213	49212	9213	44.697	32.095	-0.102	-0.464	-6.707	921.278	1
49213_9213	49213	9213	-46.95	26.659	-0.055	-4.167	2.146	-957.355	1
49213_9214	49213	9214	43.573	35.086	-0.147	1.719	-7.473	893.422	1
49214_9214	49214	9214	-49.74	25.058	-0.942	2.543	0.106	-899.1	1
49214_9215	49214	9215	42.837	36.054	0.273	-4.704	-4.836	788.194	1
49215_9215	49215	9215	-53.126	21.821	-0.895	-0.562	-10.037	-891.588	1
49215_9216	49215	9216	42.479	40.041	0.3	-2.326	-0.458	710.064	1
49216_9216	49216	9216	-56.696	18.892	-0.829	-3.262	-20.348	-865.267	1
49216_9217	49216	9217	42.842	44.118	0.316	0.362	5.06	602.818	1
49217_9217	49217	9217	-60.365	17.07	-4.405	4.218	-30.821	-826.13	1
49217_9218	49217	9218	43.915	47.213	3.178	-5.586	33.747	486.443	1
49218_9218	49218	9218	-63.637	14.59	-4.197	0.114	-68.897	-776.909	1
49218_9219	49218	9219	45.649	50.947	3.334	-3.138	66.223	345.318	1
49219_9219	49219	9219	-67.397	11.981	-4.142	-1.672	-105.085	-668.273	1
49219_9220	49219	9220	48.01	54.546	3.594	-1.661	108.7	82.084	1
49220_9220	49220	9220	28.202	61.334	2.082	-3.448	-62.635	157.585	1
49220_9221	49220	9221	8.103	7.751	0.126	-1.761	-11.72	255.025	1
49221_9221	49221	9221	29.418	56.725	2.424	-4.597	-36.774	-201.132	1
49221_9222	49221	9222	9.204	7.971	0.107	-0.642	-10.912	158.253	1
49222_9222	49222	9222	30.57	52.59	-1.056	-1.646	-3.699	-500.436	1
49222_9223	49222	9223	-14.773	10.626	0.358	-1.336	25.444	855.136	1
49223_9223	49223	9223	31.196	48.084	-1.178	-6.397	-16.328	-827.236	1
49223_9224	49223	9224	-18.636	14.678	0.713	4.055	32.154	1066.035	1
49224_9224	49224	9224	31.553	46.585	-0.517	-0.038	-29.918	-1140.172	1
49224_9225	49224	9225	-22.081	17.01	0.258	-2.675	34.078	1275.668	1
49225_9225	49225	9225	32.471	40.053	-0.623	-5.21	-33.976	-1105.444	1
49225_9226	49225	9226	-24.32	19.944	0.388	2.179	40.209	1241.345	1
49226_9226	49226	9226	32.933	37.093	0.142	0.3	-42.955	-1347.472	1
49226_9227	49226	9227	-27.6	23.65	-0.104	-3.22	40.428	1404.849	1
49227_9227	49227	9227	32.841	31.858	0.065	-4.567	-40.777	-1425.853	1
49227_9228	49227	9228	-29.706	28.522	-0.05	1.576	40.697	1428.687	1
49228_9228	49228	9228	32.205	29.347	0.18	1.677	-39.695	-1443.221	1
49228_9229	49228	9229	-31.249	31.137	-0.152	-4.544	38.93	1427.195	1
49229_9229	49229	9229	30.919	24.504	0.112	-3.199	-36.672	-1433.484	1
49229_9230	49229	9230	-32.33	36.353	-0.082	0.296	38.126	1361.7	1
49230_9230	49230	9230	28.917	21.957	0.307	3.344	-34.391	-1354.07	1
49230_9231	49230	9231	-32.885	39.277	-0.491	-5.865	31.781	1232.356	1
49231_9231	49231	9231	27.014	18.582	0.206	-0.647	-30.114	-1351.665	1
49231_9232	49231	9232	-32.899	44.85	-0.416	-2.132	27.742	1192.898	1
49232_9232	49232	9232	26.236	17.596	0.086	-5.997	-28.27	-1424.801	1
49232_9233	49232	9233	-32.7	48.875	-0.275	3.716	26.817	1320.289	1
49233_9233	49233	9233	23.696	16.197	1.179	4.229	-28.27	-1200.831	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49233_9234	49233	9234	-32.934	48.114	-1.618	-6.407	11.394	964.088	1
49234_9234	49234	9234	21.532	14.022	0.982	0.579	-18.345	-1140.058	1
49234_9235	49234	9235	-32.72	51.83	-1.555	-3.406	0.431	884.836	1
49235_9235	49235	9235	19.638	12.356	0.778	-2.488	-13.061	-1070.362	1
49235_9236	49235	9236	-32.576	54.505	-1.437	-0.352	-7.67	802.159	1
49236_9236	49236	9236	16.71	10.034	1.856	1.872	-12.439	-865.886	1
49236_9237	49236	9237	-32.383	55.875	-1.019	-4.767	-16.517	467.331	1
49237_9237	49237	9237	-4.051	9.196	-0.188	-1.609	1.561	-251.605	1
49237_9238	49237	9238	-31.676	59.265	-1.148	-1.271	-25.925	253.354	1
49238_9238	49238	9238	-4.207	9.475	-1.747	-0.289	-0.102	-337.641	1
49238_9239	49238	9239	-30.636	58.088	4.766	-9.645	15.611	67.557	1
49239_9239	49239	9239	-3.348	9.424	-1.801	-0.891	-16.854	-419.363	1
49239_9240	49239	9240	-29.349	61.049	4.563	-8.559	31.923	161.662	1
49240_9240	49240	9240	-58.938	46.592	-1.301	-14.05	-63.775	-386.284	1
49240_9241	49240	9241	77.154	21.138	2.673	13.477	98.786	811.385	1
49241_9241	49241	9241	-57.956	51.422	1.218	1.946	-69.01	-560.486	1
49241_9242	49241	9242	74.794	16.994	-2.342	-5.07	89.112	903.785	1
49242_9242	49242	9242	-54.679	46.082	0.852	-0.454	-53.625	-309.979	1
49242_9243	49242	9243	73.43	17.955	-2.42	-3.051	57.999	764.145	1
49243_9243	49243	9243	-53.266	42.129	0.64	-2.876	-37.938	-587.172	1
49243_9244	49243	9244	67.924	22.111	-2.302	0.321	35.112	863.566	1
49244_9244	49244	9244	-52.777	41.504	2.331	0.386	-28.948	-645.666	1
49244_9245	49244	9245	63.852	21.633	-2.269	-3.745	11.683	862.108	1
49245_9245	49245	9245	-53.145	37.258	2.246	-2.919	-3.135	-801.327	1
49245_9246	49245	9246	59.586	25.372	-2.619	-0.295	-14.058	906.469	1
49246_9246	49246	9246	-54.499	33.702	-0.132	0.415	15.596	-832.756	1
49246_9247	49246	9247	56.475	27.933	0.259	-3.231	-13.639	869.119	1
49247_9247	49247	9247	-56.559	29.754	0.08	-3.642	12.515	-922.762	1
49247_9248	49247	9248	54.09	32.375	0.052	0.869	-14.813	882.916	1
49248_9248	49248	9248	-59.462	27.17	-0.88	0.58	10.888	-926.619	1
49248_9249	49248	9249	52.961	35.21	0.503	-3.188	-11.097	824.734	1
49249_9249	49249	9249	-63.368	23.407	-0.769	-2.616	-0.788	-917.302	1
49249_9250	49249	9250	52.66	39.5	0.469	-0.301	5.567	717.014	1
49250_9250	49250	9250	-67.319	21.268	-4.028	0.468	-12.821	-904.029	1
49250_9251	49250	9251	53.269	42.95	2.929	-2.916	25.486	609.982	1
49251_9251	49251	9251	-71.17	18.179	-3.798	-2.555	-56.409	-872.212	1
49251_9252	49251	9252	54.841	47.356	3.225	-0.451	64.045	468.109	1
49252_9252	49252	9252	-72.519	20.338	3.574	15.866	-94.272	-969.309	1
49252_9253	49252	9253	57.379	47.991	-2.651	-14.854	65.146	648.071	1
49253_9253	49253	9253	-75.742	17.374	3.783	13.322	-84.367	-813.165	1
49253_9254	49253	9254	58.384	49.242	-2.884	-13.945	39.957	298.822	1
49254_9254	49254	9254	26.419	54.075	8.61	-19.263	-31.697	21.602	1
49254_9255	49254	9255	-7.663	10.887	-7.412	14.152	-67.307	448.509	1
49255_9255	49255	9255	28.301	56.974	-4.477	-1.412	65.095	-244.483	1
49255_9256	49255	9256	21.397	8.658	-0.548	-1.703	-10.302	265.707	1
49256_9256	49256	9256	29.596	53.013	-4.334	-4.833	15.379	-481.139	1
49256_9257	49256	9257	-13.661	11.547	4.747	2.01	30.33	868.284	1
49257_9257	49257	9257	30.036	54.775	0.654	-0.008	-32.414	-896.73	1
49257_9258	49257	9258	-16.621	12.733	-0.614	-2.425	28.603	1120.217	1
49258_9258	49258	9258	31.338	50.916	0.566	-2.276	-29.223	-820.026	1
49258_9259	49258	9259	-18.066	13.953	-0.596	-0.568	22.795	1113.936	1
49259_9259	49259	9259	31.979	48.398	0.447	-5.417	-23.722	-1120.772	1
49259_9260	49259	9260	-20.904	17.072	-0.588	3.257	18.858	1292.007	1
49260_9260	49260	9260	32.213	48.666	-0.167	4.279	-21.22	-1342.017	1
49260_9261	49260	9261	-22.796	17.968	0.17	-6.224	19.27	1436.551	1
49261_9261	49261	9261	33.922	43.565	-0.237	-1.023	-23.618	-1152.299	1
49261_9262	49261	9262	-23.688	18.997	0.254	-1.624	22.188	1319.798	1
49262_9262	49262	9262	35.184	39.103	-0.316	-6.072	-27.62	-1351.599	1
49262_9263	49262	9263	-26.578	23.322	0.343	3.843	26.176	1430.538	1
49263_9263	49263	9263	36.205	35.893	-0.028	0.229	-32.449	-1384.696	1
49263_9264	49263	9264	-28.914	25.252	0.273	-2.959	30.04	1434.094	1
49264_9264	49264	9264	36.589	30.869	-0.032	-3.3	-33.282	-1460.141	1
49264_9265	49264	9265	-31.386	30.229	0.28	0.565	33.876	1453.85	1
49265_9265	49265	9265	36.197	28.02	0.106	1.539	-33.78	-1457.429	1
49265_9266	49265	9266	-33.393	33.082	0.035	-4.243	34.067	1412.056	1
49266_9266	49266	9266	35.076	23.456	0.081	-1.802	-31.873	-1446.977	1
49266_9267	49266	9267	-35.028	38.384	0.055	-0.948	34.432	1341.485	1
49267_9267	49267	9267	34.114	22.776	0.718	3.192	-30.633	-1507.484	1
49267_9268	49267	9268	-36.105	41.591	-0.88	-5.406	27.571	1409.642	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49268_9268	49268	9268	32.871	20.229	0.644	1.849	-25.851	-1454.824	1
49268_9269	49268	9269	-36.491	44.564	-0.881	-4.447	21.329	1320.801	1
49269_9269	49269	9269	30.513	17.155	0.493	-0.705	-21.96	-1308.452	1
49269_9270	49269	9270	-37.036	47.231	-0.827	-2.001	12.872	1086.892	1
49270_9270	49270	9270	27.545	15.387	0.902	3.576	-19.346	-1171.25	1
49270_9271	49270	9271	-37.66	49.551	-1.385	-6.002	-1.668	881.088	1
49271_9271	49271	9271	24.961	13.218	0.723	1.183	-12.849	-1094.981	1
49271_9272	49271	9272	-37.884	53.188	-1.305	-4.134	-11.153	794.727	1
49272_9272	49272	9272	23.265	11.931	0.576	-1.506	-9.293	-1048.321	1
49272_9273	49272	9273	-37.585	56.024	-1.155	-1.141	-14.897	787.005	1
49273_9273	49273	9273	-8.967	9.11	0.131	-0.075	7.722	-222.395	1
49273_9274	49273	9274	-37.612	57.029	2.401	-5.052	15.456	293.276	1
49274_9274	49274	9274	-8.855	8.891	0.154	-1.523	8.984	-330.094	1
49274_9275	49274	9275	-36.891	60.668	2.014	-2.774	42.006	-79.748	1
49275_9275	49275	9275	-56.003	51.918	2.219	-1.727	-81.353	-454.471	1
49275_9276	49275	9276	72.071	15.837	-3.466	-0.596	111.842	906.752	1
49276_9276	49276	9276	-54.634	49.947	2.099	-2.657	-64.443	-528.015	1
49276_9277	49276	9277	70.167	17.316	-3.452	0.681	92.609	938.015	1
49277_9277	49277	9277	-52.778	45.895	1.798	-3.902	-43.458	-438.004	1
49277_9278	49277	9278	68.227	18.844	-3.453	2.907	57.571	881.34	1
49278_9278	49278	9278	-51.824	42.835	0.242	0.673	-17.065	-486.815	1
49278_9279	49278	9279	64.578	20.384	-1.136	-3.98	39.888	867.228	1
49279_9279	49279	9279	-52.305	37.484	0.217	-3.471	-6.818	-602.293	1
49279_9280	49279	9280	59.963	24.323	-1.224	1.033	20.804	851.773	1
49280_9280	49280	9280	-54.284	35.364	-0.718	1.153	0.314	-681.215	1
49280_9281	49280	9281	55.895	26.002	0.292	-4.181	20.913	836.587	1
49281_9281	49281	9281	-57.777	30.072	-0.499	-3.369	-3.663	-741.62	1
49281_9282	49281	9282	53.126	30.707	0.206	0.526	21.086	782.364	1
49282_9282	49282	9282	-62.891	27.218	-0.305	1.437	-4.33	-733.071	1
49282_9283	49282	9283	51.865	34.061	-0.694	-2.863	11.256	675.334	1
49283_9283	49283	9283	-68.688	23.224	-0.243	-3.375	-6.586	-779.974	1
49283_9284	49283	9284	52.266	39.613	-0.778	1.808	2.231	587.001	1
49284_9284	49284	9284	-74.334	22.714	-4.055	0.915	-10.343	-795.252	1
49284_9285	49284	9285	54.158	41.547	1.487	-2.33	19.009	503.935	1
49285_9285	49285	9285	-79.339	19.754	-4.147	-2.208	-55.453	-805.958	1
49285_9286	49285	9286	56.957	45.963	1.965	0.061	45.81	395.166	1
49286_9286	49286	9286	-81.485	21.531	4.074	5.529	-97.188	-897.097	1
49286_9287	49286	9287	60.425	47.538	-2.557	-6.409	48.13	519.482	1
49287_9287	49287	9287	-86.059	18.912	4.201	5.644	-85.312	-779.73	1
49287_9288	49287	9288	62.279	49.069	-2.746	-6.998	26.284	204.163	1
49288_9288	49288	9288	10.319	57.222	7.405	-10.839	-25.147	-91.793	1
49288_9289	49288	9289	-1.668	9.795	-6.17	8.56	-56.1	437.471	1
49289_9289	49289	9289	9.127	60.325	-3.654	-0.232	49.104	-324.943	1
49289_9290	49289	9290	-2.341	6.876	3.783	-1.52	-12.258	679.585	1
49290_9290	49290	9290	7.704	56.389	-3.475	-2.974	3.98	-687.404	1
49290_9291	49290	9291	-2.929	10.082	3.936	1.448	34.292	933.891	1
49291_9291	49291	9291	7.03	58.257	0.165	2.275	-36.461	-1209.392	1
49291_9292	49291	9292	-3.713	11.114	-0.65	-3.284	32.886	1262.258	1
49292_9292	49292	9292	6.347	55.411	0.084	-1.186	-36.071	-1208.589	1
49292_9293	49292	9293	-4.045	12.252	-0.595	-0.234	28.558	1304.354	1
49293_9293	49293	9293	5.946	52.524	0.026	-4.043	-36.036	-1419.121	1
49293_9294	49293	9294	-4.508	14.681	-0.515	2.762	25.926	1460.853	1
49294_9294	49294	9294	6.049	55.168	0.937	5.448	-36.482	-1717.371	1
49294_9295	49294	9295	-4.824	13.701	-0.58	-6.012	25.667	1682.434	1
49295_9295	49295	9295	6.251	51.258	0.947	-1.037	-33.845	-1649.512	1
49295_9296	49295	9296	-4.974	14.919	-0.616	-0.389	20.311	1677.86	1
49296_9296	49296	9296	6.386	48.091	0.94	-5.904	-24.681	-1930.599	1
49296_9297	49296	9297	-5.335	18.171	-0.736	4.446	15.219	1887.877	1
49297_9297	49297	9297	6.514	46.777	0.253	2.56	-18.033	-1993.356	1
49297_9298	49297	9298	-5.579	18.198	0.009	-3.57	15.371	1979.684	1
49298_9298	49298	9298	6.596	42.594	0.292	-5.827	-15.423	-2206.629	1
49298_9299	49298	9299	-5.888	22.122	-0.037	4.309	14.645	2162.753	1
49299_9299	49299	9299	6.619	41.962	0.248	4.013	-12.53	-2322.832	1
49299_9300	49299	9300	-6.125	22.649	-0.078	-4.929	12.863	2310.215	1
49300_9300	49300	9300	6.557	36.822	0.271	-4.723	-9.726	-2358.446	1
49300_9301	49300	9301	-6.319	26.545	-0.103	3.465	10.565	2364.762	1
49301_9301	49301	9301	6.397	35.656	0.302	5.558	-6.375	-2419.086	1
49301_9302	49301	9302	-6.496	27.745	-0.168	-6.549	6.768	2484.431	1
49302_9302	49302	9302	6.119	30.744	0.304	-5.026	-2.739	-2407.725	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49302_9303	49302	9303	-6.596	32.231	-0.184	4.278	3.114	2508.785	1
49303_9303	49303	9303	5.666	28.815	0.239	5.009	0.327	-2276.625	1
49303_9304	49303	9304	-6.624	33.15	-0.139	-6.483	-0.445	2473.816	1
49304_9304	49304	9304	5.119	23.898	0.239	-3.355	2.853	-2166.891	1
49304_9305	49304	9305	-6.565	38.18	-0.153	2.855	-3.626	2432.622	1
49305_9305	49305	9305	4.402	21.515	0.089	6.311	4.35	-1924.677	1
49305_9306	49305	9306	-6.416	39.524	0.04	-8.618	-4.553	2307.21	1
49306_9306	49306	9306	3.362	15.422	0.112	-1.875	3.988	-1539.972	1
49306_9307	49306	9307	-6.168	44.271	0.031	1.671	-5.107	2035.05	1
49307_9307	49307	9307	2.251	11.294	-0.069	3.083	3.629	-1119.076	1
49307_9308	49307	9308	-5.735	47.401	0.424	-6.519	-1.282	1748.025	1
49308_9308	49308	9308	1.385	6.399	0.006	-0.096	1.934	-710.385	1
49308_9309	49308	9309	-5.166	53.031	0.352	-1.204	1.644	1344.514	1
49309_9309	49309	9309	-0.763	5.343	0.865	-0.966	10.66	120.211	1
49309_9310	49309	9310	-4.41	57.387	0.718	-5.522	8.241	820.553	1
49310_9310	49310	9310	-0.76	5.343	0.867	-0.777	20.988	56.396	1
49310_9311	49310	9311	-3.435	63.685	0.607	-1.773	12.748	181.033	1
49311_9311	49311	9311	-0.83	5.574	-9.529	2.229	31.61	-5.391	1
49311_9312	49311	9312	-2.292	70.384	-2.472	-1.82	0	-20.496	1
0	0	0	0	0	0	0	0	0	1
0	0	0	0	0	0	0	0	0	1
0	0	0	0	0	0	0	0	0	1
0	0	0	0	0	0	0	0	0	1
0	0	0	0	0	0	0	0	0	1
0	0	0	0	0	0	0	0	0	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
9000_9000	9000	9000	-1.198	-5.795	0.766	0.214	0	-5.263	1
9000_9001	9000	9001	38.955	-61.908	0.122	0.684	1.009	321.322	1
9001_9001	9001	9001	2.595	-5.795	0.766	0.222	6.354	25.336	1
9001_9002	9001	9002	75.288	-57.091	0.18	0.97	3.097	617.016	1
9002_9002	9002	9002	6.657	-5.54	-0.367	0.209	13.164	58.127	1
9002_9003	9002	9003	115.724	-51.831	-0.224	0.74	1.893	946.061	1
9003_9003	9003	9003	-60.997	-7.306	0.069	-0.395	-0.133	-496.305	1
9003_9004	9003	9004	145.952	-46.043	-0.265	1.257	-0.349	1192.084	1
9004_9004	9004	9004	-97.991	-11.351	-0.027	-0.087	1.053	-797.501	1
9004_9005	9004	9005	169.584	-43.262	-0.047	0.552	-0.147	1384.366	1
9005_9005	9005	9005	-132.262	-17.106	-0.012	-0.607	0.921	-1077.13	1
9005_9006	9005	9006	185.028	-38.124	-0.064	1.192	-0.259	1510.112	1
9006_9006	9006	9006	-157.947	-20.109	-0.069	-0.006	1.04	-1287.043	1
9006_9007	9006	9007	196.209	-36.442	0.028	0.428	0.825	1601.075	1
9007_9007	9007	9007	-177.493	-25.421	-0.062	-0.359	0.226	-1446.796	1
9007_9008	9007	9008	200.52	-31.72	0.017	0.806	1.72	1636.226	1
9008_9008	9008	9008	-188.938	-27.042	-0.086	0.086	-0.514	-1540.65	1
9008_9009	9008	9009	202.294	-30.812	0.042	0.354	3.01	1650.617	1
9009_9009	9009	9009	-196.591	-31.987	-0.078	0.033	-1.703	-1603.48	1
9009_9010	9009	9010	198.171	-26.366	0.031	0.404	4.066	1617.128	1
9010_9010	9010	9010	-197.291	-33.161	-0.114	0.621	-2.738	-1609.789	1
9010_9011	9010	9011	192.273	-25.541	0.061	-0.205	5.546	1569.091	1
9011_9011	9011	9011	-195.277	-37.887	-0.105	-0.042	-4.325	-1593.856	1
9011_9012	9011	9012	181.462	-21.327	0.047	0.451	6.666	1481.168	1
9012_9012	9012	9012	-187.242	-39.005	-0.164	0.804	-5.677	-1529.023	1
9012_9013	9012	9013	169.165	-20.303	0.079	-0.341	8.169	1381.064	1
9013_9013	9013	9013	-177.059	-43.601	-0.15	0.185	-7.755	-1446.598	1
9013_9014	9013	9014	153.609	-16.385	0.056	0.248	8.973	1254.403	1
9014_9014	9014	9014	-161.596	-45.264	0.042	0.775	-9.381	-1321.312	1
9014_9015	9014	9015	131.996	-13.962	-0.045	-0.269	8.133	1078.284	1
9015_9015	9015	9015	-151.108	-51.015	0.028	0.156	-5.749	-1151.023	1
9015_9016	9015	9016	127.228	-11.231	-0.034	0.057	5.059	991.143	1
9016_9016	9016	9016	-130.417	-52.468	0.195	0.457	-5.395	-1029.952	1
9016_9017	9016	9017	97.347	-9.383	-0.122	-0.231	3.482	844.366	1
9017_9017	9017	9017	-94.648	-56.922	0.193	0.304	-3.094	-863.004	1
9017_9018	9017	9018	61.49	-6.153	-0.082	-0.029	2.559	664.567	1
9018_9018	9018	9018	-53.882	-60.462	-0.4	0.402	-0.751	-638.163	1
9018_9019	9018	9019	34.176	-3.58	0.089	-0.184	4.2	471.585	1
9019_9019	9019	9019	-22.536	-64.744	-0.333	0.465	-5.488	-407.546	1
9019_9020	9019	9020	20.796	-1.956	0.003	-0.093	3.868	362.812	1
9020_9020	9020	9020	-118.04	-11.179	0.699	0.184	-23.976	-462.667	1
9020_9021	9020	9021	78.638	-50.837	-0.549	0.098	11.278	334.908	1
9021_9021	9021	9021	-121.013	-13.443	0.555	-0.082	-12.84	-508.607	1
9021_9022	9021	9022	87.422	-47.297	-0.4	0.214	4.559	407.374	1
9022_9022	9022	9022	-122.697	-15.66	0.536	-0.061	-7.966	-545.803	1
9022_9023	9022	9023	94.786	-43.766	-0.35	0.186	0.959	473.848	1
9023_9023	9023	9023	-123.422	-17.387	0.092	0.096	-3.305	-577.668	1
9023_9024	9023	9024	102.021	-40.907	-0.021	0.074	0.259	535.802	1
9024_9024	9024	9024	-123.61	-20.059	0.082	0.073	-2.17	-605.148	1
9024_9025	9024	9025	107.379	-37.089	-0.007	0.101	-0.202	580.777	1
9025_9025	9025	9025	-122.694	-23.032	0.078	-0.032	-1.194	-623.387	1
9025_9026	9025	9026	110.898	-33.354	0.004	0.183	-0.467	608.923	1
9026_9026	9026	9026	-121.121	-24.533	0.023	0.183	-0.355	-633.383	1
9026_9027	9026	9027	113.366	-32.499	0.016	-0.037	-0.485	626.302	1
9027_9027	9027	9027	-120.016	-27.012	0.026	0.062	-0.108	-639.188	1
9027_9028	9027	9028	114.673	-29.712	0.014	0.096	-0.464	633.471	1
9028_9028	9028	9028	-118.491	-29.69	0.02	0.053	0.133	-639.488	1
9028_9029	9028	9029	114.957	-27.038	0.02	0.102	-0.37	631.331	1
9029_9029	9029	9029	-115.947	-32.471	0.016	0.02	0.303	-630.482	1
9029_9030	9029	9030	114.77	-24.544	0.025	0.125	-0.213	623.371	1
9030_9030	9030	9030	-112.211	-33.26	0.008	0.161	0.404	-611.054	1
9030_9031	9030	9031	114.684	-23.076	0.072	-0.005	0.461	610.942	1
9031_9031	9031	9031	-107.105	-37	-0.007	0.144	0.32	-580.872	1
9031_9032	9031	9032	113.867	-20.087	0.084	0.026	1.331	589.835	1
9032_9032	9032	9032	-100.13	-40.817	-0.016	0.049	-0.002	-533.671	1
9032_9033	9032	9033	111.957	-17.393	0.088	0.124	2.323	559.276	1
9033_9033	9033	9033	-91.277	-43.707	-0.353	0.207	-0.528	-469.484	1
9033_9034	9033	9034	109.495	-15.634	0.54	-0.096	6.909	523.886	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9034_9034	9034	9034	-82.286	-47.233	-0.399	0.204	-4.025	-400.493	1
9034_9035	9034	9035	106.126	-13.386	0.551	-0.065	11.655	482.675	1
9035_9035	9035	9035	-71.553	-50.807	-0.56	0.081	-10.618	-326.497	1
9035_9036	9035	9036	100.592	-11.086	0.707	0.203	22.626	433.518	1
9036_9036	9036	9036	-22.708	-6.38	0.033	0.142	-0.846	-302.673	1
9036_9037	9036	9037	-4.468	-60.676	-0.31	0.451	3.715	311.66	1
9037_9037	9037	9037	-22.774	-6.527	0.035	0.058	-0.417	-237.861	1
9037_9038	9037	9038	18.721	-56.564	-0.365	0.423	-0.675	492.122	1
9038_9038	9038	9038	-39.915	-7.963	-0.087	-0.033	-1.383	-592.424	1
9038_9039	9038	9039	49.242	-53.208	0.173	0.361	1.401	663.918	1
9039_9039	9039	9039	-67.36	-11.047	-0.128	-0.204	-2.204	-732.383	1
9039_9040	9039	9040	76.338	-49.245	0.174	0.445	3.416	786.909	1
9040_9040	9040	9040	-88.71	-12.694	-0.086	-0.091	-3.653	-840.143	1
9040_9041	9040	9041	92.003	-48.198	0.136	0.355	4.544	878.815	1
9041_9041	9041	9041	-114.437	-15.073	-0.047	-0.056	-2.124	-847.27	1
9041_9042	9041	9042	126.596	-41.893	0.063	0.26	3.172	941.642	1
9042_9042	9042	9042	-129.634	-17.475	0.011	0.042	-2.99	-954.167	1
9042_9043	9042	9043	140.996	-40.069	-0.009	0.151	3.073	1030.224	1
9043_9043	9043	9043	-140.718	-21.618	0.01	-0.062	-2.959	-1029.504	1
9043_9044	9043	9044	150.01	-35.271	-0.007	0.256	2.98	1083.158	1
9044_9044	9044	9044	-148.297	-22.804	0.005	0.114	-2.896	-1079.443	1
9044_9045	9044	9045	157.591	-33.893	-0.003	0.08	2.944	1125.923	1
9045_9045	9045	9045	-155.021	-27.309	0.003	-0.004	-2.896	-1121.684	1
9045_9046	9045	9046	159.373	-29.145	0	0.199	2.913	1131.053	1
9046_9046	9046	9046	-156.77	-28.474	-0.002	0.189	-2.888	-1130.294	1
9046_9047	9046	9047	159.868	-27.932	0.005	0.006	2.957	1127.262	1
9047_9047	9047	9047	-157.455	-33.211	-0.004	0.07	-2.952	-1130.603	1
9047_9048	9047	9048	155.039	-23.38	0.007	0.125	2.99	1088.904	1
9048_9048	9048	9048	-152.385	-34.533	-0.013	0.253	-3.022	-1093.299	1
9048_9049	9048	9049	148.985	-22.144	0.016	-0.058	3.138	1041.981	1
9049_9049	9049	9049	-145.832	-39.359	-0.016	0.139	-3.213	-1045.731	1
9049_9050	9049	9050	139.074	-17.949	0.016	0.055	3.227	969.525	1
9050_9050	9050	9050	-133.629	-41.185	0.059	0.277	-3.408	-961.576	1
9050_9051	9050	9051	124.747	-15.482	-0.044	-0.078	2.386	865.178	1
9051_9051	9051	9051	-108.648	-47.532	0.067	0.253	-2.835	-865.59	1
9051_9052	9051	9052	106.048	-12.818	-0.043	-0.009	2.312	823.887	1
9052_9052	9052	9052	-92.95	-48.794	0.094	0.371	-2.266	-777.734	1
9052_9053	9052	9053	83.243	-10.919	-0.065	-0.117	1.53	721.627	1
9053_9053	9053	9053	-57.963	-53.298	0.131	0.616	-1.582	-698.168	1
9053_9054	9053	9054	48.09	-7.712	-0.06	-0.137	1.49	617.249	1
9054_9054	9054	9054	-28.33	-56.953	-0.298	0.554	-0.036	-519.867	1
9054_9055	9054	9055	26.549	-4.925	0.082	-0.17	2.963	450.304	1
9055_9055	9055	9055	-5.318	-61.471	-0.255	0.619	-3.624	-331.922	1
9055_9056	9055	9056	34.522	-4.088	0.009	0.171	-0.895	254.176	1
9056_9056	9056	9056	-110.307	-11.372	0.483	0.247	-15.844	-471.781	1
9056_9057	9056	9057	84.13	-50.336	-0.389	0.147	7.388	396.276	1
9057_9057	9057	9057	-114.994	-13.842	0.439	-0.013	-9.565	-539.311	1
9057_9058	9057	9058	92.342	-46.947	-0.323	0.347	3.255	479.698	1
9058_9058	9058	9058	-118.313	-16.186	0.439	-0.222	-5.726	-587.898	1
9058_9059	9058	9059	99.619	-43.468	-0.292	0.462	0.364	549.884	1
9059_9059	9059	9059	-120.453	-17.934	0.055	0.27	-1.953	-628.891	1
9059_9060	9059	9060	106.614	-40.738	-0.009	0.093	-0.049	614.19	1
9060_9060	9060	9060	-121.892	-20.672	0.055	0.059	-1.222	-663.848	1
9060_9061	9060	9061	111.815	-36.996	-0.005	0.301	-0.338	660.445	1
9061_9061	9061	9061	-122.136	-23.695	0.048	-0.006	-0.549	-688.019	1
9061_9062	9061	9062	115.224	-33.33	0.006	0.336	-0.463	688.533	1
9062_9062	9062	9062	-121.547	-25.081	0.016	0.205	-0.01	-702.009	1
9062_9063	9062	9063	117.711	-32.665	0.009	0.112	-0.449	706.424	1
9063_9063	9063	9063	-121.174	-27.564	0.005	0.414	0.153	-710.823	1
9063_9064	9063	9064	119.047	-29.935	0.019	-0.078	-0.342	713.089	1
9064_9064	9064	9064	-120.251	-30.205	0.015	-0.064	0.232	-712.786	1
9064_9065	9064	9065	119.458	-27.302	0.01	0.401	-0.269	710.176	1
9065_9065	9065	9065	-118.39	-32.944	0.006	0.095	0.348	-705.148	1
9065_9066	9065	9066	119.376	-24.835	0.019	0.222	-0.119	700.669	1
9066_9066	9066	9066	-115.363	-33.597	0.001	0.392	0.376	-686.227	1
9066_9067	9066	9067	119.396	-23.461	0.05	-0.06	0.391	685.852	1
9067_9067	9067	9067	-111.22	-37.263	-0.004	0.209	0.266	-656.719	1
9067_9068	9067	9068	118.699	-20.459	0.051	0.163	0.989	661.384	1
9068_9068	9068	9068	-105.316	-41.009	-0.013	0.149	0.038	-609.254	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9068_9069	9068	9069	116.89	-17.743	0.058	0.213	1.7	626.363	1
9069_9069	9069	9069	-97.611	-43.66	-0.293	0.402	-0.346	-543.578	1
9069_9070	9069	9070	114.573	-16.088	0.442	-0.119	5.457	586.402	1
9070_9070	9070	9070	-89.783	-47.137	-0.33	0.374	-3.193	-473.005	1
9070_9071	9070	9071	111.193	-13.774	0.45	-0.04	9.344	539.239	1
9071_9071	9071	9071	-80.891	-50.529	-0.41	0.173	-7.551	-390.192	1
9071_9072	9071	9072	106.43	-11.356	0.511	0.236	16.135	475.495	1
9072_9072	9072	9072	-14.891	-5.558	0.022	0.121	-1.458	-232.566	1
9072_9073	9072	9073	1.965	-61.207	-0.259	0.604	3.381	354.876	1
9073_9073	9073	9073	-15.904	-5.613	0.022	0.101	-1.027	-181.636	1
9073_9074	9073	9074	26.717	-56.962	-0.299	0.585	-0.29	553.371	1
9074_9074	9074	9074	-43.696	-7.668	-0.069	-0.039	-1.296	-624.198	1
9074_9075	9074	9075	59.113	-53.661	0.15	0.491	1.512	744.527	1
9075_9075	9075	9075	-80.049	-10.676	-0.077	-0.211	-1.472	-735.304	1
9075_9076	9075	9076	98.049	-49.409	0.113	0.435	2.417	834.33	1
9076_9076	9076	9076	-104.625	-12.373	-0.043	-0.033	-2.406	-848.766	1
9076_9077	9076	9077	116.276	-48.282	0.064	0.273	2.962	933.435	1
9077_9077	9077	9077	-109.265	-15.115	-0.066	-0.15	-3.973	-945.998	1
9077_9078	9077	9078	125.44	-43.05	0.092	0.573	5.497	1086.405	1
9078_9078	9078	9078	-123.824	-17.198	0.025	0.08	-5.087	-1065.574	1
9078_9079	9078	9079	138.719	-41.561	-0.046	0.317	5.064	1184.857	1
9079_9079	9079	9079	-135.073	-21.078	0.03	-0.186	-4.911	-1155.544	1
9079_9080	9079	9080	147.604	-37.146	-0.046	0.588	4.558	1249.44	1
9080_9080	9080	9080	-143.719	-21.999	0.007	0.107	-4.546	-1222.929	1
9080_9081	9080	9081	155.386	-36.23	-0.016	0.302	4.419	1305.159	1
9081_9081	9081	9081	-151.76	-26.154	0.011	0.026	-4.455	-1283.881	1
9081_9082	9081	9082	158.445	-31.855	-0.019	0.382	4.223	1324.934	1
9082_9082	9082	9082	-155.749	-26.834	-0.006	0.325	-4.263	-1312.955	1
9082_9083	9082	9083	160.603	-30.869	0	0.071	4.271	1337.315	1
9083_9083	9083	9083	-159.203	-31.451	-0.006	0.061	-4.302	-1336.876	1
9083_9084	9083	9084	157.498	-26.285	-0.001	0.333	4.279	1309.714	1
9084_9084	9084	9084	-157.37	-32.444	-0.019	0.47	-4.305	-1320.342	1
9084_9085	9084	9085	153.821	-25.623	0.011	-0.074	4.443	1277.554	1
9085_9085	9085	9085	-154.598	-36.822	-0.019	0.191	-4.48	-1296.461	1
9085_9086	9085	9086	146.161	-21.518	0.009	0.2	4.534	1214.731	1
9086_9086	9086	9086	-147.154	-37.736	-0.049	0.581	-4.621	-1237.14	1
9086_9087	9086	9087	137.83	-20.6	0.033	-0.18	4.905	1145.813	1
9087_9087	9087	9087	-138.599	-42.148	-0.048	0.331	-5.125	-1169.075	1
9087_9088	9087	9088	126.68	-16.763	0.027	0.066	5.089	1054.104	1
9088_9088	9088	9088	-125.691	-43.494	0.072	0.588	-5.547	-1067.853	1
9088_9089	9088	9089	112.872	-14.989	-0.053	-0.173	4.191	939.203	1
9089_9089	9089	9089	-106.466	-48.796	0.063	0.438	-3.972	-977.642	1
9089_9090	9089	9090	98.059	-12.312	-0.043	-0.036	3.263	893.695	1
9090_9090	9090	9090	-90.169	-49.937	0.13	0.654	-3.4	-873.077	1
9090_9091	9090	9091	75.363	-10.492	-0.087	-0.259	2.165	770.077	1
9091_9091	9091	9091	-61.224	-54.183	0.163	0.516	-2.333	-737.141	1
9091_9092	9091	9092	46.045	-7.201	-0.075	-0.083	1.901	615.327	1
9092_9092	9092	9092	-29.522	-57.638	-0.36	0.514	-0.344	-541.796	1
9092_9093	9092	9093	19.598	-5.684	0.011	0.08	0.153	205.675	1
9093_9093	9093	9093	-5.129	-62.064	-0.315	0.544	-4.715	-337.356	1
9093_9094	9093	9094	15.685	-5.582	0.01	0.155	0.515	249.869	1
9094_9094	9094	9094	-110.185	-11.356	0.558	0.205	-18.095	-473.952	1
9094_9095	9094	9095	83.392	-50.384	-0.447	0.173	8.353	396.347	1
9095_9095	9095	9095	-111.639	-13.846	0.634	-0.03	-13.603	-552.335	1
9095_9096	9095	9096	88.967	-47.106	-0.463	0.386	4.544	492.004	1
9096_9096	9096	9096	-114.501	-16.197	0.622	-0.098	-8.064	-602.171	1
9096_9097	9096	9097	95.691	-43.578	-0.41	0.407	0.477	564.965	1
9097_9097	9097	9097	-116.243	-17.869	0.078	0.273	-2.717	-644.371	1
9097_9098	9097	9098	102.261	-40.964	-0.009	0.108	-0.064	632.805	1
9098_9098	9098	9098	-117.434	-20.623	0.076	0.067	-1.691	-681.331	1
9098_9099	9098	9099	107.097	-37.186	-0.002	0.312	-0.418	681.505	1
9099_9099	9099	9099	-117.526	-23.665	0.065	-0.007	-0.769	-707.336	1
9099_9100	9099	9100	110.242	-33.488	0.013	0.355	-0.538	711.331	1
9100_9100	9100	9100	-116.858	-24.985	0.033	0.272	-0.047	-722.914	1
9100_9101	9100	9101	112.569	-32.92	0.018	0.051	-0.479	730.659	1
9101_9101	9101	9101	-116.454	-27.476	0.026	0.252	0.221	-733.089	1
9101_9102	9101	9102	113.818	-30.157	0.025	0.093	-0.318	738.389	1
9102_9102	9102	9102	-115.572	-30.138	0.019	0.207	0.405	-736.412	1
9102_9103	9102	9103	114.13	-27.487	0.031	0.145	-0.072	735.631	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9103_9103	9103	9103	-113.749	-32.904	0.023	-0.078	0.508	-729.316	1
9103_9104	9103	9104	114.004	-24.996	0.029	0.4	0.201	726.193	1
9104_9104	9104	9104	-110.871	-33.454	0.011	0.414	0.566	-710.874	1
9104_9105	9104	9105	113.955	-23.678	0.069	-0.07	0.991	711.305	1
9105_9105	9105	9105	-106.969	-37.142	0.003	0.214	0.39	-682.096	1
9105_9106	9105	9106	113.186	-20.617	0.072	0.174	1.931	685.888	1
9106_9106	9106	9106	-101.384	-40.929	-0.011	0.156	0.031	-634.48	1
9106_9107	9106	9107	111.313	-17.849	0.085	0.22	3.059	649.159	1
9107_9107	9107	9107	-94.057	-43.515	-0.41	0.406	-0.578	-567.602	1
9107_9108	9107	9108	108.923	-16.163	0.62	-0.084	8.448	606.931	1
9108_9108	9108	9108	-86.614	-47.06	-0.463	0.377	-4.692	-495.481	1
9108_9109	9108	9109	105.419	-13.787	0.631	-0.009	14.015	556.656	1
9109_9109	9109	9109	-80.211	-50.36	-0.458	0.195	-8.669	-401.124	1
9109_9110	9109	9110	102.998	-11.264	0.571	0.183	18.877	477.837	1
9110_9110	9110	9110	-16.205	-3.124	0.008	0.104	0.032	-173.272	1
9110_9111	9110	9111	-0.365	-60.234	-0.327	0.612	5.522	360.156	1
9111_9111	9111	9111	-20.959	-5.515	0.124	-0.198	-4.358	-460.633	1
9111_9112	9111	9112	22.462	-55.847	-0.373	0.533	1.121	547.463	1
9112_9112	9112	9112	-41.52	-8.142	-0.069	-0.086	-2.404	-629.401	1
9112_9113	9112	9113	51.928	-52.496	0.146	0.545	2.97	724.424	1
9113_9113	9113	9113	-69.261	-11.409	-0.082	-0.266	-2.552	-771.826	1
9113_9114	9113	9114	78.709	-48.362	0.115	0.663	3.766	843.245	1
9114_9114	9114	9114	-89.909	-13.171	-0.029	-0.089	-3.608	-883.546	1
9114_9115	9114	9115	93.386	-47.367	0.046	0.505	4.189	936.414	1
9115_9115	9115	9115	-113.803	-15.731	-0.027	-0.086	-3.291	-867.165	1
9115_9116	9115	9116	122.664	-41.536	0.036	0.368	4.053	955.98	1
9116_9116	9116	9116	-126.553	-17.65	0.027	0.109	-3.808	-963.253	1
9116_9117	9116	9117	134.748	-40.233	-0.038	0.149	3.656	1037.477	1
9117_9117	9117	9117	-136.306	-21.603	0.027	-0.169	-3.583	-1035.158	1
9117_9118	9117	9118	142.171	-35.695	-0.035	0.426	3.249	1087.405	1
9118_9118	9118	9118	-142.926	-22.484	0.022	0.206	-3.271	-1084.239	1
9118_9119	9118	9119	148.524	-34.78	-0.03	0.054	2.913	1129.493	1
9119_9119	9119	9119	-148.9	-26.709	0.021	-0.092	-3.005	-1127.397	1
9119_9120	9119	9120	149.834	-30.281	-0.026	0.354	2.595	1137.833	1
9120_9120	9120	9120	-150.639	-27.251	0.013	0.289	-2.707	-1141.337	1
9120_9121	9120	9121	150.297	-29.408	-0.016	-0.022	2.41	1139.905	1
9121_9121	9121	9121	-151.925	-31.976	0.009	0	-2.507	-1151.27	1
9121_9122	9121	9122	145.135	-24.699	-0.012	0.264	2.252	1104.258	1
9122_9122	9122	9122	-147.552	-32.976	0.008	0.435	-2.324	-1123.109	1
9122_9123	9122	9123	139.701	-24.085	-0.011	-0.172	2.156	1065.954	1
9123_9123	9123	9123	-142.446	-37.473	0.002	0.028	-2.198	-1089.372	1
9123_9124	9123	9124	130.159	-19.897	-0.005	0.225	2.106	999.521	1
9124_9124	9124	9124	-132.353	-38.298	-0.013	0.434	-2.131	-1022.344	1
9124_9125	9124	9125	120.373	-19.125	0.005	-0.16	2.19	929.87	1
9125_9125	9125	9125	-121.349	-42.811	-0.017	0.175	-2.259	-948.61	1
9125_9126	9125	9126	108.049	-15.262	0.005	0.093	2.213	841.204	1
9126_9126	9126	9126	-105.75	-44.202	0.071	0.411	-2.39	-843.896	1
9126_9127	9126	9127	93.175	-13.499	-0.05	-0.131	1.491	731.616	1
9127_9127	9127	9127	-88.389	-49.411	0.059	0.165	-1.269	-716.572	1
9127_9128	9127	9128	83.08	-10.92	-0.039	0.019	1.015	664.044	1
9128_9128	9128	9128	-69.954	-50.184	0.112	0.298	-0.795	-615.661	1
9128_9129	9128	9129	61.021	-9.561	-0.083	-0.125	0.102	559.651	1
9129_9129	9129	9129	-34.55	-54.397	0.137	0.391	0.572	-517.876	1
9129_9130	9129	9130	29.542	-6.664	-0.071	0.004	-0.5	455.805	1
9130_9130	9130	9130	-5.837	-57.567	-0.273	0.421	2.168	-328.79	1
9130_9131	9130	9131	28.406	-5.827	0.03	0.078	1.588	276.249	1
9131_9131	9131	9131	14.916	-61.867	-0.25	0.446	-1.416	-136.774	1
9131_9132	9131	9132	25.415	-5.614	0.029	0.058	1.984	328.049	1
9132_9132	9132	9132	-98.569	-8.612	0.436	0.114	-11.546	-344.44	1
9132_9133	9132	9133	73.198	-51.83	-0.397	0.229	5.699	300.972	1
9133_9133	9133	9133	-106.177	-11.151	0.396	0.012	-6.598	-419.512	1
9133_9134	9133	9134	84.538	-47.949	-0.33	0.213	2.113	387.837	1
9134_9134	9134	9134	-111.372	-13.628	0.405	-0.104	-3.334	-477.738	1
9134_9135	9134	9135	93.774	-44.129	-0.305	0.284	-0.585	466.323	1
9135_9135	9135	9135	-115.283	-15.817	0.008	0.12	-0.009	-528.473	1
9135_9136	9135	9136	102.356	-40.935	0.016	0.085	-0.537	537.127	1
9136_9136	9136	9136	-118.118	-18.748	0.009	0.012	0.177	-571.509	1
9136_9137	9136	9137	108.598	-36.853	0.015	0.192	-0.442	588.341	1
9137_9137	9137	9137	-119.431	-21.991	0.005	-0.025	0.324	-602.871	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9137_9138	9137	9138	112.527	-32.86	0.019	0.211	-0.289	619.953	1
9138_9138	9138	9138	-119.561	-23.567	-0.007	0.191	0.379	-622.997	1
9138_9139	9138	9139	115.128	-32.057	0.013	-0.012	-0.178	639.024	1
9139_9139	9139	9139	-119.53	-26.235	-0.003	0.057	0.325	-635.308	1
9139_9140	9139	9140	116.316	-29.074	0.009	0.138	-0.08	646.381	1
9140_9140	9140	9140	-118.794	-29.099	-0.003	0.029	0.291	-640.55	1
9140_9141	9140	9141	116.244	-26.204	0.009	0.158	0.023	642.989	1
9141_9141	9141	9141	-116.797	-32.079	-0.01	0.125	0.245	-635.114	1
9141_9142	9141	9142	115.429	-23.52	0.015	0.058	0.16	632.115	1
9142_9142	9142	9142	-113.328	-32.833	0.011	0.162	0.153	-617.616	1
9142_9143	9142	9143	114.262	-21.969	0.017	0.036	0.39	614.362	1
9143_9143	9143	9143	-108.346	-36.834	0.002	0.219	0.13	-588.85	1
9143_9144	9143	9144	111.888	-18.704	0.025	-0.014	0.722	584.892	1
9144_9144	9144	9144	-101.015	-40.92	0.001	0.111	0.001	-540.238	1
9144_9145	9144	9145	107.973	-15.748	0.024	0.1	1.081	543.328	1
9145_9145	9145	9145	-91.345	-43.993	-0.231	0.233	-0.183	-471.915	1
9145_9146	9145	9146	103.121	-13.678	0.331	-0.048	3.858	494.496	1
9146_9146	9146	9146	-81.151	-47.815	-0.262	0.269	-2.376	-396.432	1
9146_9147	9146	9147	96.908	-11.171	0.339	-0.078	6.723	437.379	1
9147_9147	9147	9147	-68.678	-51.675	-0.298	0.223	-5.263	-313.054	1
9147_9148	9147	9148	87.515	-8.569	0.353	0.13	10.742	365.318	1
9148_9148	9148	9148	-31.312	-3.399	0.012	0.052	-0.383	-253.166	1
9148_9149	9148	9149	-20.265	-58.599	-0.215	0.482	1.952	223.286	1
9149_9149	9149	9149	-9.174	-5.906	0.068	-0.066	-1.852	-363.578	1
9149_9150	9149	9150	-1.171	-54.327	-0.251	0.43	-1.182	389.438	1
9150_9150	9150	9150	-26.352	-8.559	-0.055	-0.093	-0.421	-510.097	1
9150_9151	9150	9151	24.492	-51.057	0.114	0.517	0.126	547.664	1
9151_9151	9151	9151	-56.787	-11.416	-0.063	-0.036	-0.672	-592.325	1
9151_9152	9151	9152	56.867	-47.037	0.085	0.244	1.077	613.434	1
9152_9152	9152	9152	-75.766	-13.079	-0.027	-0.045	-1.339	-679.28	1
9152_9153	9152	9153	71.821	-46.112	0.049	0.236	1.459	693.893	1
9153_9153	9153	9153	-92.514	-15.577	-0.025	-0.011	-1.325	-709.897	1
9153_9154	9153	9154	94.726	-40.323	0.037	0.163	1.753	766.259	1
9154_9154	9154	9154	-103.181	-17.929	0.006	0.05	-1.732	-790.066	1
9154_9155	9154	9155	106.264	-38.458	-0.003	0.093	1.702	836.615	1
9155_9155	9155	9155	-110.891	-21.999	0.003	-0.027	-1.703	-846.49	1
9155_9156	9155	9156	112.875	-33.736	0.001	0.169	1.686	875.987	1
9156_9156	9156	9156	-115.498	-23.446	0.007	0.095	-1.688	-881.628	1
9156_9157	9156	9157	117.858	-32.567	-0.002	0.048	1.643	904.077	1
9157_9157	9157	9157	-118.778	-27.467	0.004	0.011	-1.64	-906.148	1
9157_9158	9157	9158	118.766	-28.353	0.002	0.133	1.645	906.603	1
9158_9158	9158	9158	-118.535	-28.556	0.002	0.137	-1.625	-907.872	1
9158_9159	9158	9159	118.926	-27.286	0.005	0.006	1.681	903.051	1
9159_9159	9159	9159	-117.555	-32.759	-0.003	0.053	-1.641	-903.503	1
9159_9160	9159	9160	115.522	-23.26	0.008	0.09	1.748	876.672	1
9160_9160	9160	9160	-112.529	-34.003	0.001	0.154	-1.704	-873.683	1
9160_9161	9160	9161	110.675	-21.765	0.002	-0.007	1.762	839.106	1
9161_9161	9161	9161	-105.795	-38.713	0.001	0.126	-1.729	-831.998	1
9161_9162	9161	9162	102.621	-17.689	0.002	0.022	1.754	779.923	1
9162_9162	9162	9162	-94.104	-40.629	0.043	0.162	-1.747	-759.189	1
9162_9163	9162	9163	91.477	-15.315	-0.031	-0.005	1.285	696.492	1
9163_9163	9163	9163	-72.184	-46.391	0.053	0.252	-1.276	-677.357	1
9163_9164	9163	9164	75.715	-12.788	-0.032	-0.062	1.155	657.927	1
9164_9164	9164	9164	-56.937	-47.429	0.083	0.242	-0.862	-595.239	1
9164_9165	9164	9165	56.35	-11.063	-0.062	-0.04	0.519	568.563	1
9165_9165	9165	9165	-27.391	-51.38	0.1	0.386	0.085	-508.646	1
9165_9166	9165	9166	28.21	-8.152	-0.049	-0.064	0.231	469.556	1
9166_9166	9166	9166	-0.281	-54.835	-0.212	0.324	1.225	-351.001	1
9166_9167	9166	9167	10.104	-5.469	0.056	-0.079	1.465	326.721	1
9167_9167	9167	9167	19.858	-59.122	-0.183	0.359	-1.455	-184.496	1
9167_9168	9167	9168	36.042	-3.667	0.008	0.051	0.446	279.111	1
9168_9168	9168	9168	-90.97	-8.584	0.308	0.088	-9.09	-346.365	1
9168_9169	9168	9169	70.876	-51.683	-0.261	0.187	4.489	294.874	1
9169_9169	9169	9169	-100.009	-11.132	0.255	-0.075	-4.878	-418.475	1
9169_9170	9169	9170	83.354	-47.913	-0.198	0.251	1.732	379.821	1
9170_9170	9170	9170	-106.482	-13.586	0.249	-0.05	-2.743	-473.923	1
9170_9171	9170	9171	94.024	-44.135	-0.175	0.219	0.099	455.049	1
9171_9171	9171	9171	-111.582	-15.696	0.028	0.041	-0.672	-521.821	1
9171_9172	9171	9172	104.069	-40.977	-0.007	0.149	-0.069	523.206	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9172_9172	9172	9172	-115.703	-18.607	0.021	0.085	-0.353	-562.835	1
9172_9173	9172	9173	111.624	-36.925	0	0.111	-0.149	572.197	1
9173_9173	9173	9173	-118.218	-21.823	0.021	-0.029	-0.112	-592.385	1
9173_9174	9173	9174	116.745	-32.956	0.001	0.207	-0.185	602.284	1
9174_9174	9174	9174	-119.552	-23.535	0.005	0.082	0.096	-611.408	1
9174_9175	9174	9175	120.135	-32.007	0.001	0.081	-0.178	619.98	1
9175_9175	9175	9175	-120.336	-26.194	0	0.177	0.139	-622.52	1
9175_9176	9175	9176	121.988	-29.057	0.006	-0.007	-0.135	626.086	1
9176_9176	9176	9176	-120.338	-29.039	0.003	0.047	0.15	-626.54	1
9176_9177	9176	9177	122.523	-26.214	0.003	0.127	-0.104	621.964	1
9177_9177	9177	9177	-119.026	-31.988	0.003	0.023	0.172	-620.299	1
9177_9178	9177	9178	122.293	-23.563	0.004	0.139	-0.065	610.958	1
9178_9178	9178	9178	-116.207	-32.997	-0.001	0.209	0.178	-602.633	1
9178_9179	9178	9179	121.653	-21.834	0.024	-0.033	0.169	591.92	1
9179_9179	9179	9179	-111.784	-36.963	-0.002	0.114	0.116	-572.13	1
9179_9180	9179	9180	119.829	-18.635	0.023	0.08	0.436	562.547	1
9180_9180	9180	9180	-104.934	-41.008	-0.009	0.153	0.008	-522.788	1
9180_9181	9180	9181	116.408	-15.741	0.031	0.037	0.781	521.953	1
9181_9181	9181	9181	-95.601	-44.188	-0.172	0.241	-0.191	-454.402	1
9181_9182	9181	9182	111.979	-13.625	0.244	-0.066	2.814	474.578	1
9182_9182	9182	9182	-85.614	-47.958	-0.192	0.221	-1.804	-378.972	1
9182_9183	9182	9183	106.222	-11.19	0.246	-0.025	4.876	420.117	1
9183_9183	9183	9183	-74.174	-51.685	-0.245	0.224	-4.259	-292.372	1
9183_9184	9183	9184	98.525	-8.671	0.288	0.035	8.536	347.396	1
9184_9184	9184	9184	-22.893	-4.905	0.011	0.059	-0.499	-244.256	1
9184_9185	9184	9185	-12.786	-60.786	-0.169	0.372	1.336	175.622	1
9185_9185	9185	9185	-24.148	-5.146	0.012	0.047	-0.333	-197.482	1
9185_9186	9185	9186	9.917	-56.43	-0.196	0.335	-1.176	358.506	1
9186_9186	9186	9186	-33.48	-7.409	-0.047	-0.046	-0.258	-461.255	1
9186_9187	9186	9187	40.405	-52.717	0.097	0.362	-0.085	532.565	1
9187_9187	9187	9187	-63.803	-10.387	-0.061	-0.052	-0.53	-571.893	1
9187_9188	9187	9188	73.011	-48.509	0.082	0.241	0.834	633.09	1
9188_9188	9188	9188	-85.885	-12.335	-0.029	-0.04	-1.162	-671.641	1
9188_9189	9188	9189	90.156	-46.996	0.054	0.254	1.24	722.277	1
9189_9189	9189	9189	-100.23	-15.045	-0.031	-0.011	-1.295	-753.594	1
9189_9190	9189	9190	110.893	-41.333	0.048	0.212	1.794	853.927	1
9190_9190	9190	9190	-114.044	-17.655	-0.003	0.012	-1.782	-854.001	1
9190_9191	9190	9191	123.439	-39.103	0.012	0.208	1.898	934.562	1
9191_9191	9191	9191	-123.879	-21.755	-0.003	0.029	-1.875	-924.407	1
9191_9192	9191	9192	130.84	-34.386	0.01	0.191	1.984	981.211	1
9192_9192	9192	9192	-130.418	-23.496	0	0.13	-1.951	-971.592	1
9192_9193	9192	9193	136.025	-32.979	0.009	0.076	2.048	1012.663	1
9193_9193	9193	9193	-134.944	-27.525	-0.004	0.023	-2.003	-1003.928	1
9193_9194	9193	9194	137.071	-28.809	0.012	0.185	2.15	1016.862	1
9194_9194	9194	9194	-135.762	-28.921	-0.003	0.195	-2.093	-1011.377	1
9194_9195	9194	9195	136.962	-27.472	0.01	0.009	2.229	1012.469	1
9195_9195	9195	9195	-135.301	-33.113	-0.007	0.088	-2.179	-1009.357	1
9195_9196	9195	9196	133.335	-23.521	0.013	0.117	2.33	984.427	1
9196_9196	9196	9196	-130.694	-34.624	0.004	0.251	-2.302	-980.037	1
9196_9197	9196	9197	127.868	-21.832	0.003	-0.049	2.317	942.637	1
9197_9197	9197	9197	-123.865	-39.313	0.001	0.153	-2.311	-935.305	1
9197_9198	9197	9198	119.23	-17.849	0.006	0.05	2.316	878.856	1
9198_9198	9198	9198	-112.138	-41.589	0.053	0.269	-2.35	-858.225	1
9198_9199	9198	9199	106.856	-15.303	-0.038	-0.065	1.687	786.795	1
9199_9199	9199	9199	-91.497	-47.41	0.057	0.273	-1.758	-730.456	1
9199_9200	9199	9200	91.993	-12.683	-0.033	-0.019	1.533	707.041	1
9200_9200	9200	9200	-75.544	-49.105	0.069	0.367	-1.3	-646.959	1
9200_9201	9200	9201	70.395	-10.529	-0.055	-0.108	0.953	612.34	1
9201_9201	9201	9201	-41.584	-53.345	0.111	0.547	-0.773	-569.917	1
9201_9202	9201	9202	37.72	-7.616	-0.057	-0.104	0.985	520.533	1
9202_9202	9202	9202	-13.249	-57.014	-0.289	0.502	0.543	-401.16	1
9202_9203	9202	9203	17.887	-4.886	0.076	-0.122	2.455	367.118	1
9203_9203	9203	9203	8.266	-61.222	-0.244	0.582	-2.939	-223.548	1
9203_9204	9203	9204	20.304	-4.307	0.014	0.054	0.281	225.223	1
9204_9204	9204	9204	-103.693	-10.564	0.435	0.141	-13.939	-406.316	1
9204_9205	9204	9205	78.35	-51.2	-0.35	0.22	6.615	332.966	1
9205_9205	9205	9205	-110.16	-12.981	0.396	-0.084	-8.486	-482.215	1
9205_9206	9205	9206	88.678	-47.701	-0.292	0.307	2.988	423.386	1
9206_9206	9206	9206	-114.569	-15.289	0.389	-0.133	-5.068	-531.187	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9206_9207	9206	9207	97.571	-44.173	-0.258	0.322	0.441	495.997	1
9207_9207	9207	9207	-117.818	-17.335	0.071	0.179	-1.752	-573.399	1
9207_9208	9207	9208	105.968	-41.086	-0.025	0.048	-0.049	561.996	1
9208_9208	9208	9208	-120.154	-20.077	0.07	0.071	-0.951	-608.643	1
9208_9209	9208	9209	112.388	-37.289	-0.019	0.165	-0.392	610.718	1
9209_9209	9209	9209	-121.208	-23.105	0.069	-0.057	-0.213	-633.659	1
9209_9210	9209	9210	116.829	-33.562	-0.012	0.266	-0.59	642.107	1
9210_9210	9210	9210	-121.369	-24.635	0.001	0.292	0.44	-649.298	1
9210_9211	9210	9211	119.918	-32.714	0.017	-0.131	-0.478	661.868	1
9211_9211	9211	9211	-121.477	-27.136	0.005	0.172	0.475	-659.03	1
9211_9212	9211	9212	121.766	-29.935	0.013	0.021	-0.362	671.111	1
9212_9212	9212	9212	-121.022	-29.811	0.009	0.032	0.512	-662.615	1
9212_9213	9212	9213	122.533	-27.26	0.009	0.164	-0.253	670.93	1
9213_9213	9213	9213	-119.49	-32.589	0.012	-0.119	0.554	-656.718	1
9213_9214	9213	9214	122.723	-24.761	0.005	0.289	-0.152	664.671	1
9214_9214	9214	9214	-116.718	-33.488	-0.023	0.326	0.59	-640.262	1
9214_9215	9214	9215	122.971	-23.275	0.079	-0.176	0.623	653.972	1
9215_9215	9215	9215	-112.665	-37.192	-0.025	0.161	0.24	-612.981	1
9215_9216	9215	9216	122.327	-20.268	0.075	0.039	1.445	634.249	1
9216_9216	9216	9216	-106.663	-40.978	-0.027	-0.025	-0.213	-568.591	1
9216_9217	9216	9217	120.412	-17.547	0.07	0.226	2.267	604.651	1
9217_9217	9217	9217	-98.703	-43.853	-0.267	0.387	-0.766	-507.078	1
9217_9218	9217	9218	117.872	-15.855	0.37	-0.292	5.459	570.161	1
9218_9218	9218	9218	-90.427	-47.322	-0.28	0.217	-3.393	-440.36	1
9218_9219	9218	9219	114.21	-13.551	0.353	-0.008	8.523	529.449	1
9219_9219	9219	9219	-81.011	-50.734	-0.311	0.143	-6.446	-355.149	1
9219_9220	9219	9220	108.737	-11.144	0.358	0.144	12.491	462.649	1
9220_9220	9220	9220	-19.052	-7.135	-0.01	0.191	1.103	-224.997	1
9220_9221	9220	9221	9.593	-58.927	-0.18	0.396	3.152	385.983	1
9221_9221	9221	9221	-18.683	-7.328	-0.009	0.077	1.03	-161.165	1
9221_9222	9221	9222	34.904	-54.345	-0.21	0.44	0.545	561.047	1
9222_9222	9222	9222	-51.097	-9.439	-0.031	0.099	-1.792	-612.472	1
9222_9223	9222	9223	66.376	-50.157	0.091	0.168	1.53	720.266	1
9223_9223	9223	9223	-87.378	-12.874	-0.04	-0.238	-1.347	-698.117	1
9223_9224	9223	9224	102.206	-45.46	0.067	0.372	1.708	774.59	1
9224_9224	9224	9224	-110.244	-15.386	-0.015	0.141	-1.812	-787.846	1
9224_9225	9224	9225	117.011	-43.422	0.029	0.008	1.939	845.399	1
9225_9225	9225	9225	-114.556	-18.504	-0.024	-0.171	-2.141	-901.339	1
9225_9226	9225	9226	122.673	-37.16	0.039	0.408	2.662	992.835	1
9226_9226	9226	9226	-124.69	-21.942	0.006	0.252	-2.576	-985.925	1
9226_9227	9226	9227	129.481	-34.414	-0.009	-0.024	2.559	1042.177	1
9227_9227	9227	9227	-130.103	-26.463	0.003	-0.123	-2.555	-1032.632	1
9227_9228	9227	9228	131.138	-29.557	-0.004	0.357	2.479	1053.307	1
9228_9228	9228	9228	-131.522	-28.888	0.009	0.356	-2.517	-1049.131	1
9228_9229	9228	9229	130.565	-27.228	-0.011	-0.131	2.331	1046.589	1
9229_9229	9229	9229	-130.333	-33.728	0.005	-0.023	-2.418	-1045.51	1
9229_9230	9229	9230	125.877	-22.735	-0.007	0.25	2.192	1008.455	1
9230_9230	9230	9230	-124.091	-36.441	0.03	0.459	-2.333	-1004.482	1
9230_9231	9230	9231	119.19	-20.372	-0.019	-0.262	1.9	953.332	1
9231_9231	9231	9231	-114.786	-41.611	0.026	0.167	-1.949	-939.817	1
9231_9232	9231	9232	111.899	-17.24	-0.013	0.051	1.75	894.438	1
9232_9232	9232	9232	-102.811	-45.545	0.028	-0.209	-2.798	-872.603	1
9232_9233	9232	9233	107.084	-16.176	-0.009	0.34	2.833	878.014	1
9233_9233	9233	9233	-97.949	-45.216	0.164	0.383	-2.71	-844.606	1
9233_9234	9233	9234	93.304	-14.597	-0.119	-0.252	1.722	809.211	1
9234_9234	9234	9234	-80.105	-49.133	0.157	0.209	-1.204	-757.048	1
9234_9235	9234	9235	79.42	-12.318	-0.099	-0.045	1.121	748.566	1
9235_9235	9235	9235	-49.258	-52.084	0.224	0.05	-0.199	-753.579	1
9235_9236	9235	9236	54.06	-11.156	-0.121	0.324	1.283	762.962	1
9236_9236	9236	9236	-36.494	-53.567	0.159	0.637	1.017	-677.158	1
9236_9237	9236	9237	37.546	-9.094	-0.289	-0.243	-0.917	650.281	1
9237_9237	9237	9237	-17.647	-56.983	0.179	0.138	2.368	-544.75	1
9237_9238	9237	9238	17.959	-8.568	0.029	0.222	0.034	230.708	1
9238_9238	9238	9238	-2.354	-55.983	-0.743	1.281	4.258	-402.36	1
9238_9239	9238	9239	18.292	-8.845	0.281	-0.009	2.612	290.259	1
9239_9239	9239	9239	7.989	-58.982	-0.711	1.267	-2.154	-278.157	1
9239_9240	9239	9240	18.627	-8.803	0.281	0.059	3.733	317.718	1
9240_9240	9240	9240	-121.838	-19.847	-0.416	-1.81	-12.755	-616.026	1
9240_9241	9240	9241	90.144	-43.747	0.203	1.887	11.221	444.007	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9241_9241	9241	9241	-121.068	-15.956	0.365	0.681	-15.038	-624.029	1
9241_9242	9241	9242	92.454	-48.282	-0.19	-0.261	10.153	471.211	1
9242_9242	9242	9242	-122.191	-16.845	0.356	0.394	-12.927	-638.393	1
9242_9243	9242	9243	101.532	-43.233	-0.125	0.059	6.338	569.312	1
9243_9243	9243	9243	-123.943	-20.744	0.339	-0.041	-8.206	-687.764	1
9243_9244	9243	9244	106.837	-39.524	-0.094	0.371	4.734	625.246	1
9244_9244	9244	9244	-123.03	-20.295	0.334	0.483	-5.206	-704.608	1
9244_9245	9244	9245	114.772	-38.938	-0.343	-0.05	0.674	698.945	1
9245_9245	9245	9245	-123.793	-23.804	0.385	0.038	-1.464	-737.563	1
9245_9246	9245	9246	119.64	-34.955	-0.33	0.377	-2.568	740.053	1
9246_9246	9246	9246	-123.444	-26.207	-0.038	0.417	2.408	-753.527	1
9246_9247	9246	9247	123.863	-31.618	0.019	-0.054	-2.089	769.381	1
9247_9247	9247	9247	-122.766	-30.374	-0.008	-0.112	2.248	-762.114	1
9247_9248	9247	9248	125.63	-27.914	-0.012	0.47	-1.948	772.492	1
9248_9248	9248	9248	-120.666	-33.033	-0.074	0.411	2.334	-750.326	1
9248_9249	9248	9249	127	-25.49	0.129	-0.075	-0.373	766.898	1
9249_9249	9249	9249	-117.443	-37.058	-0.069	0.039	1.518	-723.457	1
9249_9250	9249	9250	127.516	-21.96	0.113	0.338	1.262	747.537	1
9250_9250	9250	9250	-111.82	-40.294	-0.431	0.376	0.507	-669.628	1
9250_9251	9250	9251	127.297	-19.953	0.592	-0.06	7.736	721.358	1
9251_9251	9251	9251	-105.314	-44.428	-0.474	0.058	-4.796	-620.015	1
9251_9252	9251	9252	125.248	-17.055	0.559	0.33	13.742	679.494	1
9252_9252	9252	9252	-97.607	-45.024	0.39	1.917	-10.813	-517.79	1
9252_9253	9252	9253	125.024	-19.081	-0.526	-2.048	12.204	669.219	1
9253_9253	9253	9253	-96.338	-46.186	0.41	1.816	-9.583	-495.31	1
9253_9254	9253	9254	123.786	-16.295	-0.538	-1.735	6.89	632.005	1
9254_9254	9254	9254	-15.023	-10.282	1.055	-2.041	-2.935	-399.073	1
9254_9255	9254	9255	7.068	-52.211	-1.225	2.514	-10.117	421.893	1
9255_9255	9255	9255	-31.211	-7.816	0.079	0.243	0.609	-242.625	1
9255_9256	9255	9256	23.519	-54.845	0.637	0.152	-2.47	569.308	1
9256_9256	9256	9256	-42.56	-10.458	-0.675	-0.227	3.118	-664.896	1
9256_9257	9256	9257	43.732	-50.854	0.617	0.711	4.586	700.423	1
9257_9257	9257	9257	-60.86	-11.415	0.087	0.272	-4.492	-777.471	1
9257_9258	9257	9258	53.648	-52.34	-0.093	0.046	4.165	758.871	1
9258_9258	9258	9258	-83.857	-12.237	0.055	0.006	-2.647	-748.585	1
9258_9259	9258	9259	89.956	-48.227	-0.052	0.149	2.157	787.924	1
9259_9259	9259	9259	-102.88	-15.396	0.054	-0.191	-2.094	-830.634	1
9259_9260	9259	9260	102.371	-45.388	-0.041	0.311	1.901	850.974	1
9260_9260	9260	9260	-112.234	-16.485	-0.016	0.343	-1.721	-878.689	1
9260_9261	9260	9261	107.154	-45.321	0.015	-0.235	1.998	879.729	1
9261_9261	9261	9261	-120.435	-17.578	-0.018	0.094	-1.34	-849.683	1
9261_9262	9261	9262	124.259	-40.312	0.016	0.06	1.831	912.726	1
9262_9262	9262	9262	-129.49	-21.58	-0.024	-0.224	-1.585	-917.783	1
9262_9263	9262	9263	131.032	-36.183	0.022	0.353	2.138	960.25	1
9263_9263	9263	9263	-134.208	-23.367	-0.019	0.172	-1.866	-956.43	1
9263_9264	9263	9264	136.433	-33.213	0.002	-0.013	2.28	998.196	1
9264_9264	9264	9264	-138.428	-27.972	-0.019	-0.033	-2.136	-992.446	1
9264_9265	9264	9265	136.474	-28.564	0.002	0.192	2.339	999.917	1
9265_9265	9265	9265	-137.695	-30.611	-0.002	0.247	-2.341	-995.457	1
9265_9266	9265	9266	134.761	-25.927	-0.007	-0.089	2.263	987.617	1
9266_9266	9266	9266	-134.403	-35.518	-0.004	0.055	-2.351	-980.917	1
9266_9267	9266	9267	128.845	-21.705	-0.006	0.105	2.153	946.046	1
9267_9267	9267	9267	-126.114	-38.485	0.061	0.314	-2.327	-932.735	1
9267_9268	9267	9268	124.862	-21.075	-0.05	-0.186	1.797	917.265	1
9268_9268	9268	9268	-120	-41.237	0.061	0.259	-1.895	-895.641	1
9268_9269	9268	9269	119.578	-18.719	-0.045	-0.108	1.496	879.209	1
9269_9269	9269	9269	-102.557	-44.26	0.078	0.158	-1.974	-928.198	1
9269_9270	9269	9270	97.631	-15.679	-0.047	0.048	1.631	890.591	1
9270_9270	9270	9270	-86.32	-46.93	0.131	0.466	-1.2	-843.121	1
9270_9271	9270	9271	79.376	-13.757	-0.085	-0.28	0.944	812.721	1
9271_9271	9271	9271	-51.512	-50.852	0.191	0.56	0.081	-815.904	1
9271_9272	9271	9272	52.084	-12.004	-0.106	-0.171	1.014	806.679	1
9272_9272	9272	9272	-34.886	-53.73	0.169	0.139	1.308	-721.609	1
9272_9273	9272	9273	43.162	-10.823	-0.084	0.194	0.926	749.455	1
9273_9273	9273	9273	-24.505	-54.813	-0.351	0.669	1.935	-657.226	1
9273_9274	9273	9274	21.1	-8.446	-0.018	0.03	-1.33	226.64	1
9274_9274	9274	9274	-3.603	-58.47	-0.294	0.433	-2.27	-491.682	1
9274_9275	9274	9275	22.488	-8.234	-0.023	0.244	-1.604	312.432	1
9275_9275	9275	9275	-121.339	-14.864	0.506	0.08	-18.805	-645.656	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9275_9276	9275	9276	90.192	-48.729	-0.324	0.231	10.298	464.504	1
9276_9276	9276	9276	-122.46	-16.252	0.504	-0.091	-15.854	-667.917	1
9276_9277	9276	9277	92.904	-46.879	-0.307	0.356	7.995	497.824	1
9277_9277	9277	9277	-123.64	-17.654	0.458	-0.351	-11.848	-675.408	1
9277_9278	9277	9278	98.96	-42.997	-0.238	0.471	3.565	551.105	1
9278_9278	9278	9278	-124.386	-19.097	0.151	0.481	-6.99	-702.817	1
9278_9279	9278	9279	106.514	-40.131	-0.032	-0.081	1.899	621.806	1
9279_9279	9279	9279	-124.093	-22.788	0.162	-0.125	-4.648	-726.804	1
9279_9280	9279	9280	111.867	-35.117	-0.029	0.419	0.568	665.259	1
9280_9280	9280	9280	-121.818	-24.36	-0.039	0.505	-2.319	-730.545	1
9280_9281	9280	9281	117.353	-33.131	0.095	-0.139	1.073	701.252	1
9281_9281	9281	9281	-120.571	-28.769	-0.027	-0.064	-2.469	-735.682	1
9281_9282	9281	9282	120.082	-28.173	0.066	0.407	1.276	704.737	1
9282_9282	9282	9282	-108.158	-32.131	0.173	0.546	-4.956	-755.445	1
9282_9283	9282	9283	114.522	-25.675	0.076	-0.274	2.023	736.754	1
9283_9283	9283	9283	-104.25	-37.368	0.194	-0.345	-2.737	-710.144	1
9283_9284	9283	9284	116.877	-21.908	0.061	0.644	2.325	716.219	1
9284_9284	9284	9284	-98.788	-39.193	-0.371	0.445	-0.986	-636.262	1
9284_9285	9284	9285	120.027	-21.427	1.012	-0.175	12.829	705.475	1
9285_9285	9285	9285	-94.56	-43.358	-0.49	-0.012	-6.834	-568.5	1
9285_9286	9285	9286	121.528	-18.634	1.035	0.421	23.542	682.028	1
9286_9286	9286	9286	-89.741	-44.844	0.638	1.223	-14.578	-489.078	1
9286_9287	9286	9287	122.628	-20.311	-1.017	-1.055	20.16	676.889	1
9287_9287	9287	9287	-88.885	-46.365	0.717	1.449	-13.682	-470.569	1
9287_9288	9287	9288	124.885	-17.87	-1.098	-1.168	11.865	673.568	1
9288_9288	9288	9288	-15.094	-9.348	1.613	-1.95	-2.584	-404.156	1
9288_9289	9288	9289	16.676	-55.601	-1.935	2.253	-14.183	518.002	1
9289_9289	9289	9289	-25.818	-6.39	-0.989	0.487	14.957	-559.726	1
9289_9290	9289	9290	37.38	-58.405	0.955	0.035	-1.477	755.891	1
9290_9290	9290	9290	-43.255	-9.391	-1.029	-0.289	2.968	-761.968	1
9290_9291	9290	9291	59.219	-54.368	0.908	0.704	9.486	962.757	1
9291_9291	9291	9291	-61.129	-10.361	0.17	0.654	-9.3	-939.163	1
9291_9292	9291	9292	67.294	-55.961	-0.043	-0.44	9.35	1039.034	1
9292_9292	9292	9292	-79.265	-11.425	0.106	0.015	-5.932	-930.36	1
9292_9293	9292	9293	94.442	-52.69	-0.015	0.162	6.301	1093.362	1
9293_9293	9293	9293	-91.434	-13.897	0.092	-0.342	-5.346	-1044.101	1
9293_9294	9293	9294	106.067	-49.732	-0.005	0.501	6.377	1216.344	1
9294_9294	9294	9294	-100.809	-12.972	0.103	0.745	-4.982	-1149.435	1
9294_9295	9294	9295	111.998	-52.232	-0.167	-0.675	5.825	1282.502	1
9295_9295	9295	9295	-90.12	-14.24	0.169	0.083	-7.29	-1300.275	1
9295_9296	9295	9296	106.685	-48.926	-0.26	0.222	6.635	1543.163	1
9296_9296	9296	9296	-100.531	-17.344	0.202	-0.95	-5.84	-1448.21	1
9296_9297	9296	9297	114.607	-45.903	-0.258	1.261	4.637	1654.231	1
9297_9297	9297	9297	-108.087	-17.371	-0.002	0.763	-4.186	-1555.387	1
9297_9298	9297	9298	124.933	-44.649	-0.069	-0.547	4.147	1798.492	1
9298_9298	9298	9298	-118.641	-21.116	0.01	-0.921	-4.122	-1704.737	1
9298_9299	9298	9299	131.574	-40.656	-0.08	1.245	3.373	1891.275	1
9299_9299	9299	9299	-126.46	-21.619	0.021	1.053	-3.756	-1815.47	1
9299_9300	9299	9300	137.438	-40.053	-0.068	-0.858	2.7	1972.659	1
9300_9300	9300	9300	-134.005	-25.337	0.028	-0.74	-3.257	-1921.96	1
9300_9301	9300	9301	140.256	-35.148	-0.074	1.009	1.714	2011	1
9301_9301	9301	9301	-139.452	-26.483	0.046	1.399	-2.403	-1999.222	1
9301_9302	9301	9302	140.99	-34.034	-0.083	-1.188	0.767	2019.442	1
9302_9302	9302	9302	-143.188	-30.765	0.05	-0.914	-1.447	-2051.991	1
9302_9303	9302	9303	137.47	-29.346	-0.083	1.074	-0.229	1967.759	1
9303_9303	9303	9303	-143.297	-31.642	0.038	1.385	-0.358	-2053.79	1
9303_9304	9303	9304	131.114	-27.504	-0.066	-1.07	-0.913	1874.972	1
9304_9304	9304	9304	-141.495	-36.443	0.042	-0.61	0.532	-2028.228	1
9304_9305	9304	9305	120.868	-22.811	-0.066	0.717	-1.507	1727.325	1
9305_9305	9305	9305	-135.948	-37.727	-0.011	1.841	1.37	-1949.875	1
9305_9306	9305	9306	107.641	-20.537	-0.024	-1.348	-1.462	1536.629	1
9306_9306	9306	9306	-128.272	-42.258	-0.008	-0.357	1.506	-1841.01	1
9306_9307	9306	9307	86.422	-14.721	-0.031	0.401	-1.477	1231.871	1
9307_9307	9307	9307	-114.275	-45.245	-0.116	1.393	1.735	-1642.68	1
9307_9308	9307	9308	62.622	-10.78	0.019	-0.659	-0.77	890.648	1
9308_9308	9308	9308	-96.919	-50.619	-0.097	0.257	0.68	-1396.413	1
9308_9309	9308	9309	39.254	-6.108	-0.002	0.021	-0.548	558.015	1
9309_9309	9309	9309	-73.926	-54.777	-0.197	1.18	0.092	-1070.149	1
9309_9310	9309	9310	-2.306	-5.1	-0.237	0.206	-5.754	-40.073	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9310_9310	9310	9310	-44.753	-60.788	-0.166	0.379	-1.557	-656.033	1
9310_9311	9310	9311	0.889	-5.1	-0.238	0.166	-8.525	4.172	1
9311_9311	9311	9311	-9.166	-67.183	0.678	0.389	-2.248	-151.348	1
9311_9312	9311	9312	1.868	-5.32	2.612	-0.476	0	16.97	1
9400_9020	9400	9020	56.323	-21.717	-14.385	-0.888	103.832	-678.842	1
9400_9401	9400	9401	-39.85	-1.983	-1.822	-0.095	26.628	-178.519	1
9401_9401	9401	9401	53.781	-20.851	-3.344	1.427	42.337	-591.977	1
9401_9402	9401	9402	-39.797	-2.11	-1.839	0.722	19.988	-171.138	1
9402_9402	9402	9402	53.57	-19.549	-3.376	-0.351	29.753	-519.051	1
9402_9403	9402	9403	-49.853	-3.2	-2.375	-0.129	0.047	-157.731	1
9403_9403	9403	9403	51.345	-17.312	0.471	0.226	-6.541	-301.771	1
9403_9404	9403	9404	-57.627	-4.892	-0.129	0.193	-1.223	-131.288	1
9404_9404	9404	9404	50.901	-16.131	0.438	0.188	-3.112	-175.248	1
9404_9405	9404	9405	-62.897	-6.309	-0.07	0.157	-2.082	-92.314	1
9405_9405	9405	9405	49.676	-14.024	0.06	0.231	0.338	-56.998	1
9405_9406	9405	9406	-72.137	-8.805	0.149	0.212	0.073	29.415	1
9406_9406	9406	9406	49.323	-12.132	0.255	0.133	1.561	145.1	1
9406_9407	9406	9407	-78.382	-11.589	2.125	0.283	19.031	129.386	1
9407_9407	9407	9407	48.54	-11.132	0.157	0.214	3.178	257.79	1
9407_9408	9407	9408	-79.617	-13.202	2.167	-0.02	30.973	200.068	1
9408_9408	9408	9408	46.862	-21.208	-1.119	0.484	7.45	299.976	1
9408_9409	9408	9409	25.651	-0.286	1.492	-1.606	-16.395	-80.966	1
9409_9409	9409	9409	-27.415	-0.522	-0.321	-1.742	18.009	85.841	1
9409_9410	9409	9410	-46.062	-20.847	-0.7	-0.039	-0.745	-303.265	1
9410_9410	9410	9410	89.519	-13.602	0.797	-0.042	-9.123	-202.284	1
9410_9411	9410	9411	-48.049	-10.936	-0.088	0.371	-1.445	-258.05	1
9411_9411	9411	9411	87.545	-11.79	0.678	-0.142	-4.963	-128.612	1
9411_9412	9411	9412	-48.128	-11.919	-0.026	-0.003	-1.473	-150.56	1
9412_9412	9412	9412	90.102	-8.719	-0.006	-0.092	0.188	-25.942	1
9412_9413	9412	9413	-48.697	-13.764	0.059	0.209	-0.323	50.57	1
9413_9413	9413	9413	89.536	-5.884	0.303	-0.17	-0.59	96.116	1
9413_9414	9413	9414	-50.722	-15.798	0.409	0.166	2.926	170.182	1
9414_9414	9414	9414	82.523	-3.871	0.253	-0.095	1.786	132.361	1
9414_9415	9414	9415	-50.945	-16.979	0.447	0.228	6.154	294.217	1
9415_9415	9415	9415	69.411	-1.647	2.247	0.036	3.25	139.492	1
9415_9416	9415	9416	-51.075	-19.125	-3.032	-0.055	-26.718	502.993	1
9416_9416	9416	9416	7.705	-0.295	0.71	-0.181	7.882	28.608	1
9416_9417	9416	9417	-53.7	-20.456	-3.443	0.442	-42.585	577.628	1
9417_9417	9417	9417	7.726	-0.249	0.158	0.032	10.46	29.718	1
9417_9036	9417	9036	-53.723	-21.385	-13.404	-0.799	-97.96	665.191	1
9420_9056	9420	9056	55.951	-20.104	-13.438	-0.694	83.21	-606.877	1
9420_9421	9420	9421	-29.433	-0.798	-1.149	-0.055	18.135	-109.073	1
9421_9421	9421	9421	55.265	-19.141	-2.34	0.685	27.417	-525.118	1
9421_9422	9421	9422	-30.388	-0.905	-1.353	0.388	13.721	-108.482	1
9422_9422	9422	9422	55.705	-17.811	-2.38	-0.138	19.158	-458.354	1
9422_9423	9422	9423	-40.686	-1.75	-1.875	-0.04	-1.609	-111.224	1
9423_9423	9423	9423	52.224	-15.594	0.483	0.22	-5.913	-261.266	1
9423_9424	9423	9424	-50.815	-3.235	0.063	0.169	-1.769	-101.177	1
9424_9424	9424	9424	52.573	-14.374	0.443	0.149	-2.468	-148.881	1
9424_9425	9424	9425	-57.044	-4.507	0.144	0.138	-1.1	-76.083	1
9425_9425	9425	9425	50.274	-12.233	-0.034	0.19	1.001	-39.358	1
9425_9426	9425	9426	-84.227	-7.057	0.058	-0.091	0.417	14.463	1
9426_9426	9426	9426	49.818	-10.33	0.163	0.038	0.871	138.908	1
9426_9427	9426	9427	-81.827	-9.875	-0.459	-0.169	-4.439	100.01	1
9427_9427	9427	9427	50.019	-9.311	0.104	0.285	2.448	230.385	1
9427_9428	9427	9428	-83.821	-11.577	-0.397	0.05	-7.061	162.392	1
9428_9428	9428	9428	47.517	-19.541	-0.656	0.286	4.191	272.22	1
9428_9429	9428	9429	24.04	-0.804	-0.863	-1.094	-8.946	-67.718	1
9429_9429	9429	9429	-23.13	-0.956	0.016	-1.555	13.421	60.164	1
9429_9430	9429	9430	-47.967	-19.573	-0.744	0.068	-2.262	-271.481	1
9430_9430	9430	9430	83.765	-11.246	0.389	-0.071	-3.744	-155.326	1
9430_9431	9430	9431	-50.32	-9.236	0.024	0.24	-1.658	-230.374	1
9431_9431	9431	9431	73.247	-9.611	0.895	0.19	-7.161	-100.395	1
9431_9432	9431	9432	-50.121	-10.258	0.068	0.052	-0.952	-139.547	1
9432_9432	9432	9432	66.545	-6.997	0.014	0.192	0.867	-18.654	1
9432_9433	9432	9433	-50.721	-12.178	-0.034	0.189	-1.089	38.026	1
9433_9433	9433	9433	55.748	-4.744	0.132	0.156	1.058	75.529	1
9433_9434	9433	9434	-52.661	-14.311	0.443	0.169	2.381	145.667	1
9434_9434	9434	9434	50.594	-3.456	0.071	0.16	1.703	103.385	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9434_9435	9434	9435	-52.865	-15.568	0.477	0.198	5.855	259.313	1
9435_9435	9435	9435	40.991	-1.988	-2.087	-0.081	1.664	116.044	1
9435_9436	9435	9436	-56.502	-17.79	-2.383	-0.229	-19.207	456.093	1
9436_9436	9436	9436	30.604	-1.102	-1.547	0.511	-15.559	115.451	1
9436_9437	9436	9437	-56.051	-19.179	-2.3	0.993	-27.446	523.115	1
9437_9437	9437	9437	30.668	-1.008	-1.287	-0.071	-21.372	119.308	1
9437_9072	9437	9072	-56.762	-20.076	-13.47	-0.696	-83.144	604.795	1
9440_9094	9440	9094	56.913	-19.865	-13.112	-0.777	74.388	-592.41	1
9440_9441	9440	9441	-26.473	-1.041	-1.415	-0.052	11.952	-109.148	1
9441_9441	9441	9441	56.167	-18.868	-1.771	0.449	20.053	-511.447	1
9441_9442	9441	9442	-26.432	-1.137	-0.883	0.268	8.572	-105.183	1
9442_9442	9442	9442	56.608	-17.501	-1.79	-0.046	13.83	-445.589	1
9442_9443	9442	9443	-37.477	-1.905	-1.4	0.021	-1.943	-107.803	1
9443_9443	9443	9443	52.752	-15.206	0.399	0.183	-4.859	-252.05	1
9443_9444	9443	9444	-47.968	-3.287	0.149	0.145	-1.51	-96.818	1
9444_9444	9444	9444	53.082	-14	0.409	0.257	-1.968	-142.532	1
9444_9445	9444	9445	-52.881	-4.449	0.169	0.217	-0.522	-70.678	1
9445_9445	9445	9445	50.698	-11.824	-0.067	0.227	1.251	-35.996	1
9445_9446	9445	9446	-82.865	-6.891	0.074	-0.114	0.32	13.346	1
9446_9446	9446	9446	50.152	-9.918	0.133	-0.043	0.658	136.314	1
9446_9447	9446	9447	-82.686	-9.699	-0.184	-0.222	-2.104	96.093	1
9447_9447	9447	9447	50.352	-8.846	0.018	0.474	2.088	224.173	1
9447_9448	9447	9448	-83.817	-11.473	0.011	0.06	-2.162	158.399	1
9448_9448	9448	9448	49.789	-19.258	-0.951	0.196	3.545	251.68	1
9448_9449	9448	9449	24.221	-0.924	-0.252	-1.692	-10.027	-65.982	1
9449_9449	9449	9449	-24.144	-0.759	1.074	-1.716	9.862	65.865	1
9449_9450	9449	9450	-47.348	-19.184	-0.77	0.265	-3.307	-263.653	1
9450_9450	9450	9450	79.661	-11.006	-0.378	-0.079	5.798	-153.719	1
9450_9451	9450	9451	-49.927	-8.909	0.099	0.083	-1.429	-223.824	1
9451_9451	9451	9451	73.684	-9.479	1.222	0.289	-9.256	-96.881	1
9451_9452	9451	9452	-49.733	-9.933	0.085	0.181	-0.703	-135.834	1
9452_9452	9452	9452	66.168	-6.89	-0.075	0.231	1.584	-17.362	1
9452_9453	9452	9453	-50.187	-11.832	-0.064	0.228	-1.207	36.615	1
9453_9453	9453	9453	56.671	-4.628	0.195	0.205	0.502	76.345	1
9453_9454	9453	9454	-51.841	-13.964	0.391	0.221	1.891	141.64	1
9454_9454	9454	9454	51.938	-3.331	0.153	0.176	1.674	104.01	1
9454_9455	9454	9455	-52	-15.199	0.409	0.215	4.881	252.551	1
9455_9455	9455	9455	40.368	-1.848	-1.587	0.001	2.038	113.033	1
9455_9456	9455	9456	-55.666	-17.453	-1.759	-0.095	-13.486	445.851	1
9456_9456	9456	9456	30.061	-1.001	-1.169	0.376	-11.276	110.842	1
9456_9457	9456	9457	-55.236	-18.782	-1.712	0.644	-19.571	511.383	1
9457_9457	9457	9457	29.537	-0.877	-1.025	-0.067	-15.396	112.797	1
9457_9110	9457	9110	-55.908	-19.708	-13.195	-0.805	-73.784	591.696	1
9460_9132	9460	9132	65.12	-21.795	-13.573	-0.906	78.911	-636.461	1
9460_9461	9460	9461	-22.988	-3.261	-1.301	-0.098	13.684	-141.458	1
9461_9461	9461	9461	64.105	-20.735	-2.057	0.043	23.07	-549.356	1
9461_9462	9461	9462	-22.921	-3.323	-1.007	0.175	9.802	-129.867	1
9462_9462	9462	9462	59.554	-19.23	-1.846	0.091	14.619	-482.914	1
9462_9463	9462	9463	-27.087	-3.916	-1.245	0.06	-1.833	-94.374	1
9463_9463	9463	9463	58.031	-16.727	0.426	0.219	-4.966	-273.503	1
9463_9464	9463	9464	-32.23	-4.858	0.14	0.132	-1.2	-64.69	1
9464_9464	9464	9464	54.183	-15.423	0.399	0.246	-1.731	-151.946	1
9464_9465	9464	9465	-34.562	-5.636	0.158	0.169	-0.184	-26.455	1
9465_9465	9465	9465	52.945	-13.096	-0.06	0.251	1.485	-40.007	1
9465_9466	9465	9466	-40.307	-7.065	0.051	0.162	0.557	72.039	1
9466_9466	9466	9466	49.414	-11.114	-0.059	0.048	0.825	152.048	1
9466_9467	9466	9467	-103.234	-10.456	0.624	-0.033	3.899	56.598	1
9467_9467	9467	9467	48.913	-10.081	-0.09	0.315	0.555	251.19	1
9467_9468	9467	9468	-105.78	-12.651	0.754	-0.057	8.126	123.706	1
9468_9468	9468	9468	59.261	-21.144	-1.249	0.409	-3.381	270.024	1
9468_9469	9468	9469	32.311	-2.246	0.022	-0.62	-4.458	-46.825	1
9469_9469	9469	9469	-27.32	-2.274	-0.373	-0.43	4.355	25.999	1
9469_9470	9469	9470	-55.111	-20.803	-1.182	0.521	2.568	-275.489	1
9470_9470	9470	9470	57.607	-11.739	-0.323	0.059	3.868	-227.47	1
9470_9471	9470	9471	-47.83	-10.271	-0.009	-0.028	-0.093	-249.862	1
9471_9471	9471	9471	56.482	-10.573	-0.231	0.199	1.821	-164.48	1
9471_9472	9471	9472	-48.373	-11.265	-0.077	0.262	-0.768	-149.34	1
9472_9472	9472	9472	52.038	-8.504	0.045	0.183	-0.227	-73.732	1
9472_9473	9472	9473	-51.136	-13.256	-0.06	0.249	-1.374	45.017	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9473_9473	9473	9473	47.249	-6.673	0.165	0.19	0.329	46.455	1
9473_9474	9473	9474	-51.533	-15.453	0.428	0.245	2.028	156.447	1
9474_9474	9474	9474	43.544	-5.61	0.141	0.148	1.339	90.854	1
9474_9475	9474	9475	-54.776	-16.721	0.455	0.211	5.47	278.997	1
9475_9475	9475	9475	38.57	-4.28	-1.318	-0.004	2.024	125.508	1
9475_9476	9475	9476	-56.598	-19.055	-1.737	-0.122	-12.782	486.72	1
9476_9476	9476	9476	34.274	-3.397	-1.173	0.409	-10.858	164.086	1
9476_9477	9476	9477	-60.639	-20.486	-1.816	0.666	-20.343	553.567	1
9477_9477	9477	9477	34.355	-3.302	-1.487	-0.099	-15.439	175.936	1
9477_9148	9477	9148	-61.578	-21.533	-14.393	-0.872	-79.382	639.846	1
9480_9168	9480	9168	62.033	-21.735	-14.819	-0.893	81.404	-647.746	1
9480_9481	9480	9481	-29.276	-2.481	-1.712	-0.092	13.777	-139.307	1
9481_9481	9481	9481	62.028	-20.69	-1.898	0.33	20.54	-558.753	1
9481_9482	9481	9482	-29.224	-2.529	-1.032	0.266	9.725	-130.47	1
9482_9482	9482	9482	57.807	-19.192	-1.767	-0.026	12.789	-491.764	1
9482_9483	9482	9483	-33.448	-3.291	-1.198	0.024	-1.918	-101.746	1
9483_9483	9483	9483	55.544	-16.887	0.496	0.319	-5.732	-282.793	1
9483_9484	9483	9484	-38.88	-4.448	0.104	0.178	-1.42	-74.946	1
9484_9484	9484	9484	52.114	-15.635	0.401	0.133	-2.073	-159.159	1
9484_9485	9484	9485	-42.562	-5.385	0.186	0.116	-0.306	-39.647	1
9485_9485	9485	9485	50.642	-13.445	-0.049	0.239	1.143	-45.461	1
9485_9486	9485	9486	-47.159	-7.068	0.054	0.157	0.477	60.233	1
9486_9486	9486	9486	48.207	-11.478	-0.064	0.321	0.704	151.239	1
9486_9487	9486	9487	-96.665	-9.352	0.733	0.039	4.485	43.758	1
9487_9487	9487	9487	47.624	-10.501	0.037	-0.146	0.092	253.972	1
9487_9488	9487	9488	-96.454	-11.338	0.55	-0.132	7.507	106.771	1
9488_9488	9488	9488	55.074	-20.866	-1.559	0.633	-2.582	275.963	1
9488_9489	9488	9489	29.93	-2.175	-0.663	-0.545	-6.647	-36.736	1
9489_9489	9489	9489	-26.054	-2.017	-0.176	-0.585	5.166	32.747	1
9489_9490	9489	9490	-56.448	-21.115	-1.571	0.616	2.841	-278.641	1
9490_9490	9490	9490	99.021	-10.918	0.622	-0.114	-7.918	-95.927	1
9490_9491	9490	9491	-48.528	-10.489	0.01	-0.033	-0.258	-255.861	1
9491_9491	9491	9491	50.468	-9.221	-0.429	0.159	3.089	-147.879	1
9491_9492	9491	9492	-49.158	-11.507	-0.063	0.265	-0.79	-152.838	1
9492_9492	9492	9492	44.699	-7.425	0.052	0.15	-0.568	-70.47	1
9492_9493	9492	9493	-51.768	-13.475	-0.043	0.239	-1.112	44.009	1
9493_9493	9493	9493	39.964	-5.83	0.175	0.106	0.223	34.192	1
9493_9494	9493	9494	-53.336	-15.717	0.401	0.129	2.119	158.257	1
9494_9494	9494	9494	36.151	-4.952	0.094	0.168	1.244	72.192	1
9494_9495	9494	9495	-56.91	-17.014	0.498	0.315	5.793	282.78	1
9495_9495	9495	9495	30.21	-3.866	-0.927	0.004	1.63	101.927	1
9495_9496	9495	9496	-59.282	-19.402	-1.741	-0.123	-12.522	494.443	1
9496_9496	9496	9496	25.885	-3.227	-0.767	0.29	-6.927	136.255	1
9496_9497	9496	9497	-63.656	-20.835	-1.818	0.652	-20.089	561.896	1
9497_9497	9497	9497	25.929	-3.13	-1.733	-0.081	-9.792	147.48	1
9497_9184	9497	9184	-64.629	-21.9	-15.058	-0.938	-81.805	649.612	1
9500_9204	9500	9204	59.514	-21.697	-13.312	-1.268	81.682	-667.356	1
9500_9501	9500	9501	-9.681	-0.287	-0.434	-0.02	5.028	-38.394	1
9501_9501	9501	9501	59.529	-20.853	-2.256	1.545	27.7	-578.485	1
9501_9502	9501	9502	-12.558	-0.339	-0.48	0.231	4.955	-45.368	1
9502_9502	9502	9502	60.006	-19.421	-2.41	-0.372	19.442	-505.764	1
9502_9503	9502	9503	-59.195	-0.982	0.798	-0.158	-1.082	-111.603	1
9503_9503	9503	9503	55.513	-17.204	0.418	0.132	-6.034	-291.483	1
9503_9504	9503	9504	-80.081	-3.054	0.146	-0.202	-0.002	-123.253	1
9504_9504	9504	9504	55.208	-15.92	0.48	0.428	-2.876	-166.044	1
9504_9505	9504	9505	-89.573	-5.049	0.004	-0.051	0.387	-95.673	1
9505_9505	9505	9505	52.212	-13.765	-0.008	0.286	0.799	-43.884	1
9505_9506	9505	9506	-90.243	-7.983	0.02	-0.077	-0.072	15.047	1
9506_9506	9506	9506	51.785	-11.851	0.087	0.054	1.024	156.299	1
9506_9507	9506	9507	-90.538	-11.072	-0.023	-0.143	-1.016	109.777	1
9507_9507	9507	9507	52.023	-10.761	0.023	0.372	1.963	261.339	1
9507_9508	9507	9508	-92.861	-12.988	0.066	0.025	-1.015	179.416	1
9508_9508	9508	9508	50.222	-21.578	-0.792	0.369	3.319	305.949	1
9508_9509	9508	9509	23.537	-1.282	1.305	-1.267	-7.203	-49.308	1
9509_9509	9509	9509	-23.661	-1.417	-0.763	-1.325	7.465	49.586	1
9509_9510	9509	9510	-47.886	-21.611	-1.126	0.685	-5.991	-314.553	1
9510_9510	9510	9510	81.579	-12.28	1.728	0.125	-23.093	-179.394	1
9510_9511	9510	9511	-51.887	-11.008	0.158	0.439	-3.278	-260.812	1
9511_9511	9511	9511	81.46	-10.603	1.578	0.204	-13.428	-111.737	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9511_9512	9511	9512	-52.429	-12.078	0.293	0.072	-0.978	-148.651	1
9512_9512	9512	9512	72.799	-7.736	0.041	0.22	0.711	-23.34	1
9512_9513	9512	9513	-53.149	-14.051	-0.01	0.314	-0.732	53.809	1
9513_9513	9513	9513	63.688	-5.199	0.044	0.211	1.276	82.931	1
9513_9514	9513	9514	-54.69	-16.24	0.453	0.316	2.734	172.753	1
9514_9514	9514	9514	58.712	-3.771	0.031	0.15	1.374	114.201	1
9514_9515	9514	9515	-54.3	-17.507	0.448	0.233	5.973	298.945	1
9515_9515	9515	9515	45.846	-2.106	-1.085	0.015	0.947	126.036	1
9515_9516	9515	9516	-58.152	-19.775	-2.361	-0.112	-19.422	519.895	1
9516_9516	9516	9516	33.723	-1.157	-0.653	0.265	-6.665	122.738	1
9516_9517	9516	9517	-57.666	-21.164	-2.325	0.723	-27.63	593.73	1
9517_9517	9517	9517	33.719	-1.053	-1.881	-0.112	-9.036	126.778	1
9517_9220	9517	9220	-58.411	-22.082	-13.234	-1.246	-82.52	684.084	1
9520_9240	9520	9240	70.886	-23.188	-0.86	-1.352	46.502	-705.345	1
9520_9521	9520	9521	32.692	-1.015	0.776	0.255	24.84	49.079	1
9521_9521	9521	9521	71.244	-22.354	-2.238	0.85	42.443	-609.822	1
9521_9522	9521	9522	32.814	-0.849	-1.347	0.389	18.63	51.033	1
9522_9522	9522	9522	68.374	-20.688	-2.064	0.057	32.083	-531.019	1
9522_9523	9522	9523	-34.362	-1.395	-0.965	0.032	5.82	-95.014	1
9523_9523	9523	9523	67.196	-18.248	-0.389	0.592	8.993	-302.56	1
9523_9524	9523	9524	-47.341	-2.692	-0.45	0.344	3.643	-93.009	1
9524_9524	9524	9524	67.528	-16.685	-0.51	0.109	6.068	-170.96	1
9524_9525	9524	9525	-53.209	-3.858	-0.377	0.088	1.148	-72.889	1
9525_9525	9525	9525	64.736	-14.259	-0.282	0.27	2.164	-43.442	1
9525_9526	9525	9526	-87.524	-6.004	0.265	-0.144	2.402	2.986	1
9526_9526	9526	9526	64.283	-11.948	-0.09	-0.17	-1.55	162.233	1
9526_9527	9526	9527	-89.864	-9.304	2.24	-0.144	21.645	81.414	1
9527_9527	9527	9527	63.68	-10.657	-0.178	0.661	-1.244	272.45	1
9527_9528	9527	9528	-93.084	-11.13	2.511	-0.345	35.369	140.131	1
9528_9528	9528	9528	62.201	-23.838	-0.428	-0.915	-6.565	310.774	1
9528_9529	9528	9529	33.79	-2.311	0.51	-3.636	-27.377	-65.423	1
9529_9529	9529	9529	-33.613	-1.604	1.66	-3.849	27.82	67.561	1
9529_9530	9529	9530	-60.055	-23.982	-1.986	1.687	-16.148	-317.918	1
9530_9530	9530	9530	82.251	-10.698	3.928	-0.225	-59.992	-133.172	1
9530_9531	9530	9531	-64.372	-10.765	0.246	0.495	-9.232	-270.589	1
9531_9531	9531	9531	80.09	-9.076	3.754	0.401	-38.105	-78.435	1
9531_9532	9531	9532	-64.14	-12.068	0.357	0.171	-5.837	-163.728	1
9532_9532	9532	9532	72.59	-6.522	0.486	0.231	-4.45	-3.228	1
9532_9533	9532	9533	-66.334	-14.487	0.25	0.366	-1.934	51.441	1
9533_9533	9533	9533	61.523	-4.1	0.062	0.009	2.674	82.273	1
9533_9534	9533	9534	-68.423	-17.096	0.172	-0.027	-0.41	178.337	1
9534_9534	9534	9534	54.957	-2.725	-0.135	0.286	2.754	103.082	1
9534_9535	9534	9535	-68.004	-18.691	0.382	0.589	2.147	313.065	1
9535_9535	9535	9535	37.56	-1.147	0.423	0.021	1.664	98.103	1
9535_9536	9535	9536	-68.408	-21.321	-0.519	-0.352	-3.368	546.075	1
9536_9536	9536	9536	-31.336	-0.562	0.213	-0.011	0.138	-52.337	1
9536_9537	9536	9537	-70.686	-23.008	-0.361	0.841	-4.747	628.792	1
9537_9537	9537	9537	-32.071	-0.69	-0.608	-0.445	1.004	-52.527	1
9537_9254	9537	9254	-70.041	-24.149	-3.561	-3.565	-19.384	726.677	1
9540_9275	9540	9275	73.254	-23.386	-4.848	-1.128	73.729	-741.038	1
9540_9541	9540	9541	33.473	-1.674	2.434	0.481	22.809	43.18	1
9541_9541	9541	9541	69.918	-22.903	-2.328	2.287	50.162	-644.036	1
9541_9542	9541	9542	35.646	-1.158	-0.922	0.319	17.016	47.636	1
9542_9542	9542	9542	69.562	-21.231	-2.407	-0.103	40.647	-563.705	1
9542_9543	9542	9543	-48.054	-1.944	-1.983	0.005	7.266	-129.805	1
9543_9543	9543	9543	69.517	-18.969	-0.603	0.712	14.06	-331.076	1
9543_9544	9543	9544	-57.682	-3.745	-0.394	0.464	5.227	-117.464	1
9544_9544	9544	9544	67.807	-17.423	-0.65	0.279	9.148	-189.848	1
9544_9545	9544	9545	-62.48	-5.113	-0.353	0.247	3.003	-87.331	1
9545_9545	9545	9545	67.587	-14.89	-0.721	0.348	4.429	-63.904	1
9545_9546	9545	9546	-69.032	-7.339	-0.741	0.339	-7.669	12.889	1
9546_9546	9546	9546	65.348	-12.585	-0.511	-0.051	-5.52	158.585	1
9546_9547	9546	9547	-72.79	-9.509	-3.1	0.018	-35.002	93.447	1
9547_9547	9547	9547	65.585	-11.279	-0.573	0.425	-9.917	270.012	1
9547_9548	9547	9548	-93.143	-11.011	3.731	-0.769	58.966	138.777	1
9548_9548	9548	9548	63.998	-24.979	0.335	-2.897	-20.383	313.279	1
9548_9549	9548	9549	34.083	-2.559	0.414	-5.363	-34.28	-62.857	1
9549_9549	9549	9549	-33.558	-1.295	2.311	-5.627	34.556	66.664	1
9549_9550	9549	9550	-61.401	-24.323	-2.546	3.052	-23.789	-311.567	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9550_9550	9550	9550	84.712	-12.397	-3.898	0.823	67.571	-156.622	1
9550_9551	9550	9551	-65.086	-10.174	-0.008	0.764	-11.498	-276.941	1
9551_9551	9551	9551	82.16	-10.463	-4.088	-0.482	44.522	-89.11	1
9551_9552	9551	9552	-64.834	-11.669	0.18	0.152	-9.565	-178.706	1
9552_9552	9552	9552	72.24	-6.789	1.124	0.26	-10.092	2.268	1
9552_9553	9552	9553	-67.143	-14.375	0.541	0.436	-2.027	32.455	1
9553_9553	9553	9553	62.866	-4.263	-0.134	0.212	5.637	89.045	1
9553_9554	9553	9554	-68.41	-17.13	0.458	0.295	1.582	155.558	1
9554_9554	9554	9554	56.432	-2.733	-0.105	0.047	4.306	109.563	1
9554_9555	9554	9555	-68.584	-18.892	0.434	0.214	4.705	290.777	1
9555_9555	9555	9555	36.74	-1.022	-0.31	-0.018	2.779	97.799	1
9555_9556	9555	9556	-69.307	-21.866	-0.472	-0.327	-0.442	525.587	1
9556_9556	9556	9556	9.5	-0.362	-0.068	0.029	0.168	38.557	1
9556_9557	9556	9557	-70.423	-23.777	-0.428	0.288	-2.396	608.699	1
9557_9557	9557	9557	-20.047	-0.351	0.526	0.644	2.623	-50.067	1
9557_9288	9557	9288	-70.363	-25.101	-2.557	-2.677	-17.289	747.665	1
49000_9000	49000	9000	-0.778	-6.2	3.874	1.528	0	-8.851	1
49000_9001	49000	9001	-1.179	-66.234	0.615	4.885	5.108	540.385	1
49001_9001	49001	9001	-0.772	-6.2	3.875	1.587	32.156	42.61	1
49001_9002	49001	9002	-1.575	-61.081	0.913	6.924	15.673	1037.672	1
49002_9002	49002	9002	-0.769	-5.927	-1.858	1.491	66.624	97.755	1
49002_9003	49002	9003	-2.007	-55.453	-1.135	5.284	9.578	1591.046	1
49003_9003	49003	9003	0.643	-7.817	0.349	-2.823	-0.672	-834.665	1
49003_9004	49003	9004	-2.339	-49.26	-1.339	8.974	-1.765	2004.797	1
49004_9004	49004	9004	1.066	-12.144	-0.135	-0.618	5.33	-1341.203	1
49004_9005	49004	9005	-2.587	-46.285	-0.239	3.943	-0.744	2328.169	1
49005_9005	49005	9005	1.565	-18.301	-0.058	-4.336	4.66	-1811.472	1
49005_9006	49005	9006	-2.766	-40.788	-0.322	8.511	-1.312	2539.644	1
49006_9006	49006	9006	1.999	-21.514	-0.349	-0.044	5.265	-2164.495	1
49006_9007	49006	9007	-2.88	-38.989	0.143	3.055	4.173	2692.621	1
49007_9007	49007	9007	2.333	-27.197	-0.315	-2.56	1.143	-2433.162	1
49007_9008	49007	9008	-2.939	-33.937	0.088	5.756	8.706	2751.737	1
49008_9008	49008	9008	2.582	-28.932	-0.437	0.613	-2.602	-2591.001	1
49008_9009	49008	9009	-2.95	-32.965	0.213	2.529	15.231	2775.94	1
49009_9009	49009	9009	2.762	-34.222	-0.393	0.232	-8.618	-2696.666	1
49009_9010	49009	9010	-2.918	-28.208	0.155	2.887	20.576	2719.619	1
49010_9010	49010	9010	2.876	-35.478	-0.579	4.434	-13.855	-2707.276	1
49010_9011	49010	9011	-2.847	-27.326	0.308	-1.465	28.07	2638.831	1
49011_9011	49011	9011	2.936	-40.534	-0.531	-0.298	-21.889	-2680.481	1
49011_9012	49011	9012	-2.741	-22.817	0.237	3.219	33.737	2490.966	1
49012_9012	49012	9012	2.947	-41.73	-0.828	5.737	-28.73	-2571.447	1
49012_9013	49012	9013	-2.602	-21.721	0.4	-2.438	41.343	2322.616	1
49013_9013	49013	9013	2.915	-46.647	-0.758	1.321	-39.25	-2432.829	1
49013_9014	49013	9014	-2.423	-17.53	0.282	1.769	45.413	2109.603	1
49014_9014	49014	9014	2.846	-48.427	0.211	5.531	-47.477	-2222.128	1
49014_9015	49014	9015	-2.147	-14.938	-0.23	-1.92	41.159	1813.413	1
49015_9015	49015	9015	3.194	-54.563	0.211	2.012	-43.305	-1900.954	1
49015_9016	49015	9016	-1.874	-12.409	-0.255	0.978	38.102	1631.254	1
49016_9016	49016	9016	4.038	-55.469	1.472	5.928	-40.658	-1695.127	1
49016_9017	49016	9017	-1.447	-10.723	-0.915	-2.922	26.24	1371.784	1
49017_9017	49017	9017	5.464	-59.734	1.455	3.263	-23.317	-1394.581	1
49017_9018	49017	9018	-1.073	-7.146	-0.615	-0.037	19.269	1048.452	1
49018_9018	49018	9018	7.056	-63.084	-3.014	4.432	-5.693	-1006.797	1
49018_9019	49018	9019	-0.85	-4.194	0.67	-1.471	31.625	724.783	1
49019_9019	49019	9019	8.908	-67.272	-2.509	4.073	-41.338	-626.36	1
49019_9020	49019	9020	0.291	-2.326	0.021	-0.41	29.651	545.145	1
49020_9020	49020	9020	-82.618	-12.036	5.265	2.269	-180.517	-760.769	1
49020_9021	49020	9021	49.949	-54.737	-4.136	1.21	84.912	550.694	1
49021_9021	49021	9021	-75.78	-14.528	5.362	-1.394	-123.955	-862.779	1
49021_9022	49021	9022	45.873	-51.116	-3.866	3.627	44.016	691.051	1
49022_9022	49022	9022	-70.145	-16.924	5.178	-1.037	-76.906	-925.876	1
49022_9023	49022	9023	42.594	-47.3	-3.377	3.158	9.263	803.815	1
49023_9023	49023	9023	-64.198	-18.791	0.889	1.627	-31.904	-979.931	1
49023_9024	49023	9024	40.117	-44.21	-0.204	1.25	2.498	908.91	1
49024_9024	49024	9024	-58.387	-21.679	0.788	1.231	-20.949	-1026.546	1
49024_9025	49024	9025	38.484	-40.084	-0.065	1.719	-1.954	985.204	1
49025_9025	49025	9025	-52.908	-24.891	0.75	-0.538	-11.523	-1057.487	1
49025_9026	49025	9026	37.723	-36.047	0.034	3.109	-4.509	1032.95	1
49026_9026	49026	9026	-48.234	-26.514	0.219	3.103	-3.429	-1074.443	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49026_9027	49026	9027	37.711	-35.123	0.151	-0.628	-4.68	1062.431	1
49027_9027	49027	9027	-45.222	-29.193	0.255	1.052	-1.039	-1084.29	1
49027_9028	49027	9028	38.158	-32.111	0.133	1.632	-4.481	1074.592	1
49028_9028	49028	9028	-42.776	-32.087	0.197	0.907	1.283	-1084.8	1
49028_9029	49028	9029	39.076	-29.221	0.193	1.727	-3.574	1070.962	1
49029_9029	49029	9029	-40.809	-35.092	0.156	0.337	2.928	-1069.522	1
49029_9030	49029	9030	40.552	-26.526	0.242	2.122	-2.052	1057.458	1
49030_9030	49030	9030	-39.296	-35.945	0.075	2.724	3.899	-1036.566	1
49030_9031	49030	9031	43.178	-24.939	0.699	-0.077	4.451	1036.375	1
49031_9031	49031	9031	-38.036	-39.988	-0.068	2.446	3.085	-985.367	1
49031_9032	49031	9032	46.593	-21.709	0.807	0.435	12.849	1000.57	1
49032_9032	49032	9032	-37.641	-44.113	-0.156	0.823	-0.017	-905.296	1
49032_9033	49032	9033	50.4	-18.797	0.847	2.099	22.43	948.732	1
49033_9033	49033	9033	-38.09	-47.236	-3.406	3.515	-5.1	-796.412	1
49033_9034	49033	9034	54.422	-16.896	5.214	-1.637	66.698	888.698	1
49034_9034	49034	9034	-39.39	-51.047	-3.854	3.455	-38.857	-679.378	1
49034_9035	49034	9035	58.32	-14.467	5.315	-1.111	112.519	818.788	1
49035_9035	49035	9035	-41.491	-54.693	-4.145	0.99	-78.627	-535.929	1
49035_9036	49035	9036	63.16	-11.934	5.237	2.491	167.551	711.598	1
49036_9036	49036	9036	-7.255	-6.927	0.243	1.471	-6.241	-451.971	1
49036_9037	49036	9037	-35.709	-63.411	-2.29	3.826	27.528	478.197	1
49037_9037	49037	9037	-7.069	-7.116	0.259	0.657	-3.082	-364.962	1
49037_9038	49037	9038	-36.64	-59.435	-2.698	4.512	-4.956	775.079	1
49038_9038	49038	9038	21.305	-8.823	-0.642	-0.217	-10.239	-933.052	1
49038_9039	49038	9039	-37.084	-56.248	1.28	3.895	10.4	1071.019	1
49039_9039	49039	9039	25.648	-12.278	-0.95	-2.602	-16.335	-1187.839	1
49039_9040	49039	9040	-36.764	-52.388	1.292	5.805	25.322	1292.909	1
49040_9040	49040	9040	29.166	-13.878	-0.638	-1.158	-27.064	-1380.374	1
49040_9041	49040	9041	-36.282	-51.673	1.004	4.825	33.667	1448.91	1
49041_9041	49041	9041	31.294	-16.372	-0.722	-1.098	-32.901	-1501.423	1
49041_9042	49041	9042	-35.731	-45.503	0.973	5.059	49.123	1668.657	1
49042_9042	49042	9042	34.014	-18.981	0.177	0.826	-46.3	-1690.852	1
49042_9043	49042	9043	-35.058	-43.522	-0.136	2.952	47.589	1825.631	1
49043_9043	49043	9043	35.325	-23.481	0.159	-1.217	-45.824	-1824.354	1
49043_9044	49043	9044	-33.993	-38.311	-0.101	4.992	46.145	1919.433	1
49044_9044	49044	9044	35.817	-24.769	0.08	2.227	-44.854	-1912.85	1
49044_9045	49044	9045	-32.65	-36.814	-0.039	1.568	45.587	1995.216	1
49045_9045	49045	9045	35.729	-29.663	0.054	-0.085	-44.849	-1987.704	1
49045_9046	49045	9046	-31.075	-31.657	-0.006	3.88	45.119	2004.307	1
49046_9046	49046	9046	35.098	-30.928	-0.029	3.688	-44.725	-2002.962	1
49046_9047	49046	9047	-29.304	-30.339	0.08	0.123	45.789	1997.589	1
49047_9047	49047	9047	34.067	-36.073	-0.063	1.357	-45.715	-2003.51	1
49047_9048	49047	9048	-27.317	-25.394	0.102	2.434	46.299	1929.616	1
49048_9048	49048	9048	32.739	-37.509	-0.205	4.926	-46.795	-1937.405	1
49048_9049	49048	9049	-25.125	-24.053	0.252	-1.123	48.599	1846.465	1
49049_9049	49049	9049	31.19	-42.751	-0.242	2.717	-49.753	-1853.11	1
49049_9050	49049	9050	-22.65	-19.496	0.251	1.063	49.976	1718.068	1
49050_9050	49050	9050	29.436	-44.735	0.912	5.391	-52.773	-1703.981	1
49050_9051	49050	9051	-19.175	-16.816	-0.678	-1.524	36.951	1533.158	1
49051_9051	49051	9051	27.34	-51.097	0.912	3.556	-38.424	-1482.517	1
49051_9052	49051	9052	-17.035	-14.163	-0.579	-0.034	31.324	1406.339	1
49052_9052	49052	9052	26.643	-51.889	1.272	5.102	-30.75	-1327.558	1
49052_9053	49052	9053	-13.881	-12.419	-0.887	-1.51	20.74	1216.126	1
49053_9053	49053	9053	25.786	-56.119	1.306	5.027	-15.795	-1111.095	1
49053_9054	49053	9054	-10.418	-8.662	-0.595	-1.017	14.832	961.051	1
49054_9054	49054	9054	24.53	-59.611	-2.967	4.517	-0.433	-809.428	1
49054_9055	49054	9055	-7.542	-5.513	0.815	-1.055	29.483	684.606	1
49055_9055	49055	9055	23.527	-64.033	-2.536	4.427	-36.115	-504.626	1
49055_9056	49055	9056	26.895	-4.764	0.089	1.236	-8.923	376.997	1
49056_9056	49056	9056	-73.636	-12.216	4.8	2.115	-157.59	-762.878	1
49056_9057	49056	9057	49.544	-54.073	-3.865	1.257	73.482	640.784	1
49057_9057	49057	9057	-68.717	-14.874	4.887	-0.107	-106.481	-871.879	1
49057_9058	49057	9058	46.577	-50.447	-3.598	2.884	36.232	775.507	1
49058_9058	49058	9058	-64.606	-17.392	4.886	-1.841	-63.742	-950.428	1
49058_9059	49058	9059	44.273	-46.708	-3.252	3.836	4.049	888.972	1
49059_9059	49059	9059	-60.173	-19.271	0.614	2.242	-21.743	-1016.699	1
49059_9060	49059	9060	42.64	-43.775	-0.105	0.775	-0.548	992.934	1
49060_9060	49060	9060	-55.828	-22.213	0.611	0.494	-13.601	-1073.212	1
49060_9061	49060	9061	41.713	-39.753	-0.055	2.504	-3.765	1067.712	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49061_9061	49061	9061	-51.724	-25.461	0.532	-0.047	-6.117	-1112.29	1
49061_9062	49061	9062	41.518	-35.814	0.062	2.796	-5.159	1113.121	1
49062_9062	49062	9062	-48.283	-26.951	0.174	1.703	-0.111	-1134.906	1
49062_9063	49062	9063	41.855	-35.1	0.105	0.934	-4.995	1142.043	1
49063_9063	49063	9063	-46.11	-29.618	0.051	3.442	1.707	-1149.155	1
49063_9064	49063	9064	42.579	-32.166	0.215	-0.649	-3.81	1152.819	1
49064_9064	49064	9064	-44.397	-32.456	0.166	-0.532	2.582	-1152.329	1
49064_9065	49064	9065	43.719	-29.337	0.107	3.331	-2.994	1148.11	1
49065_9065	49065	9065	-43.085	-35.399	0.063	0.786	3.872	-1139.98	1
49065_9066	49065	9066	45.354	-26.686	0.215	1.845	-1.329	1132.74	1
49066_9066	49066	9066	-42.148	-36.101	0.009	3.256	4.184	-1109.391	1
49066_9067	49066	9067	48.116	-25.21	0.557	-0.5	4.358	1108.786	1
49067_9067	49067	9067	-41.531	-40.04	-0.049	1.738	2.957	-1061.688	1
49067_9068	49067	9068	51.612	-21.984	0.571	1.358	11.015	1069.23	1
49068_9068	49068	9068	-41.651	-44.066	-0.15	1.237	0.427	-984.953	1
49068_9069	49068	9069	55.427	-19.065	0.65	1.773	18.925	1012.613	1
49069_9069	49069	9069	-42.498	-46.914	-3.26	3.337	-3.857	-878.778	1
49069_9070	49069	9070	59.411	-17.287	4.925	-0.992	60.749	948.009	1
49070_9070	49070	9070	-44.068	-50.65	-3.673	3.112	-35.549	-764.686	1
49070_9071	49070	9071	63.169	-14.801	5.007	-0.333	104.021	871.763	1
49071_9071	49071	9071	-46.346	-54.262	-3.957	1.466	-72.95	-629.151	1
49071_9072	49071	9072	67.782	-12.195	4.932	1.999	155.868	766.694	1
49072_9072	49072	9072	-3.258	-5.98	0.215	1.071	-13.587	-346.729	1
49072_9073	49072	9073	-29.939	-63.797	-2.502	4.109	32.71	538.055	1
49073_9073	49073	9073	-4.052	-6.076	0.215	0.896	-9.901	-275.393	1
49073_9074	49073	9074	-30.346	-59.632	-2.887	4.58	-2.723	859.206	1
49074_9074	49074	9074	16.739	-8.56	-0.666	-0.202	-12.522	-969.178	1
49074_9075	49074	9075	-30.415	-56.48	1.452	3.837	14.651	1181.537	1
49075_9075	49075	9075	20.431	-12.121	-1.017	-2.823	-19.377	-1235.664	1
49075_9076	49075	9076	-29.844	-52.499	1.483	5.896	31.824	1420.108	1
49076_9076	49076	9076	23.409	-13.671	-0.566	-0.379	-31.638	-1444.679	1
49076_9077	49076	9077	-29.315	-51.871	0.84	3.791	38.957	1594.155	1
49077_9077	49077	9077	25.146	-16.254	-0.617	-1.371	-37.181	-1599.235	1
49077_9078	49077	9078	-28.941	-46.294	0.859	5.241	51.437	1836.598	1
49078_9078	49078	9078	27.21	-18.494	0.237	0.729	-47.599	-1801.382	1
49078_9079	49078	9079	-28.712	-44.693	-0.433	2.904	47.384	2003.033	1
49079_9079	49079	9079	28.321	-22.666	0.284	-1.699	-45.955	-1953.478	1
49079_9080	49079	9080	-28.303	-39.945	-0.434	5.378	42.652	2112.211	1
49080_9080	49080	9080	28.826	-23.656	0.065	0.983	-42.541	-2067.395	1
49080_9081	49080	9081	-27.776	-38.96	-0.152	2.763	41.354	2206.407	1
49081_9081	49081	9081	28.953	-28.124	0.103	0.239	-41.686	-2170.436	1
49081_9082	49081	9082	-27.145	-34.255	-0.173	3.492	39.52	2239.836	1
49082_9082	49082	9082	28.785	-28.856	-0.06	2.969	-39.888	-2219.585	1
49082_9083	49082	9083	-26.388	-33.195	-0.004	0.651	39.971	2260.767	1
49083_9083	49083	9083	28.39	-33.821	-0.06	0.558	-40.254	-2260.026	1
49083_9084	49083	9084	-25.53	-28.266	-0.008	3.048	40.038	2214.107	1
49084_9084	49084	9084	27.835	-34.889	-0.174	4.299	-40.288	-2232.074	1
49084_9085	49084	9085	-24.62	-27.553	0.099	-0.678	41.576	2159.739	1
49085_9085	49085	9085	27.221	-39.596	-0.174	1.746	-41.925	-2191.703	1
49085_9086	49085	9086	-23.552	-23.139	0.083	1.83	42.426	2053.536	1
49086_9086	49086	9086	26.528	-40.58	-0.455	5.311	-43.242	-2091.418	1
49086_9087	49086	9087	-22.273	-22.153	0.307	-1.648	45.9	1937.028	1
49087_9087	49087	9087	25.753	-45.324	-0.446	3.029	-47.96	-1976.353	1
49087_9088	49087	9088	-20.667	-18.026	0.253	0.599	47.623	1781.992	1
49088_9088	49088	9088	24.877	-46.771	0.678	5.379	-51.908	-1805.235	1
49088_9089	49088	9089	-18.413	-16.119	-0.495	-1.584	39.218	1587.748	1
49089_9089	49089	9089	24.12	-52.122	0.664	3.687	-41.948	-1577.758	1
49089_9090	49089	9090	-16.689	-13.481	-0.452	-0.236	34.443	1437.955	1
49090_9090	49090	9090	24.087	-52.828	1.373	5.411	-35.942	-1404.781	1
49090_9091	49090	9091	-13.994	-11.779	-0.917	-2.088	22.877	1225.077	1
49091_9091	49091	9091	24.069	-56.986	1.368	4.305	-19.593	-1160.289	1
49091_9092	49091	9092	-10.91	-8.081	-0.625	-0.551	15.93	947.874	1
49092_9092	49092	9092	23.663	-60.276	-3.016	4.319	-2.941	-834.604	1
49092_9093	49092	9093	8.57	-6.199	0.096	0.691	0.577	313.829	1
49093_9093	49093	9093	23.288	-64.611	-2.64	3.861	-39.55	-507.638	1
49093_9094	49093	9094	5.384	-6.023	0.08	1.373	3.206	378.32	1
49094_9094	49094	9094	-74.55	-12.186	4.679	1.825	-151.627	-757.872	1
49094_9095	49094	9095	49.823	-54.066	-3.743	1.544	69.994	633.778	1
49095_9095	49095	9095	-69.522	-14.818	4.753	-0.23	-101.935	-864.048	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49095_9096	49095	9096	46.715	-50.413	-3.473	2.997	34.051	769.668	1
49096_9096	49096	9096	-65.324	-17.334	4.664	-0.763	-60.427	-942.008	1
49096_9097	49096	9097	44.248	-46.637	-3.075	3.153	3.575	883.805	1
49097_9097	49097	9097	-60.781	-19.123	0.582	2.12	-20.358	-1008.025	1
49097_9098	49097	9098	42.418	-43.84	-0.066	0.84	-0.482	989.932	1
49098_9098	49098	9098	-56.315	-22.07	0.568	0.523	-12.67	-1065.844	1
49098_9099	49098	9099	41.277	-39.796	-0.011	2.423	-3.133	1066.115	1
49099_9099	49099	9099	-52.09	-25.326	0.488	-0.052	-5.765	-1106.524	1
49099_9100	49099	9100	40.843	-35.839	0.1	2.752	-4.031	-1112.773	1
49100_9100	49100	9100	-48.509	-26.739	0.246	2.113	-0.355	-1130.894	1
49100_9101	49100	9101	40.984	-35.231	0.133	0.393	-3.59	1143.009	1
49101_9101	49101	9101	-46.217	-29.405	0.191	1.951	1.654	-1146.811	1
49101_9102	49101	9102	41.501	-32.275	0.184	0.721	-2.384	1155.102	1
49102_9102	49102	9102	-44.38	-32.253	0.145	1.607	3.037	-1152.009	1
49102_9103	49102	9103	42.417	-29.417	0.232	1.124	-0.539	1150.787	1
49103_9103	49103	9103	-42.921	-35.214	0.169	-0.608	3.805	-1140.909	1
49103_9104	49103	9104	43.815	-26.751	0.215	3.105	1.503	1136.022	1
49104_9104	49104	9104	-41.834	-35.802	0.084	3.211	4.239	-1112.059	1
49104_9105	49104	9105	46.24	-25.341	0.518	-0.54	7.426	1112.733	1
49105_9105	49105	9105	-40.992	-39.75	0.023	1.66	2.922	-1067.04	1
49105_9106	49105	9106	49.383	-22.064	0.543	1.349	14.469	1072.972	1
49106_9106	49106	9106	-40.864	-43.802	-0.085	1.211	0.231	-992.551	1
49106_9107	49106	9107	52.82	-19.102	0.634	1.71	22.92	1015.514	1
49107_9107	49107	9107	-41.434	-46.57	-3.072	3.148	-4.33	-887.93	1
49107_9108	49107	9108	56.427	-17.298	4.645	-0.655	63.304	949.455	1
49108_9108	49108	9108	-42.715	-50.364	-3.467	2.92	-35.157	-775.107	1
49108_9109	49108	9109	59.766	-14.754	4.728	-0.067	105.021	870.808	1
49109_9109	49109	9109	-44.674	-54.029	-3.767	1.733	-71.382	-640.293	1
49109_9110	49109	9110	63.85	-12.085	4.701	1.622	155.425	762.745	1
49110_9110	49110	9110	-10.826	-3.483	0.057	0.834	1.636	-262.866	1
49110_9111	49110	9111	-32.612	-62.779	-2.688	4.085	45.498	541.042	1
49111_9111	49111	9111	14.583	-6.035	1.023	-1.135	-35.881	-691.983	1
49111_9112	49111	9112	-33.739	-58.48	-3.068	4.192	9.283	841.898	1
49112_9112	49112	9112	18.46	-9.02	-0.565	-0.521	-19.797	-967.905	1
49112_9113	49112	9113	-34.7	-55.286	1.201	4.341	24.494	1138.298	1
49113_9113	49113	9113	22.664	-12.702	-0.85	-2.107	-26.48	-1225.789	1
49113_9114	49113	9114	-34.984	-51.225	1.197	5.408	39.097	1354.474	1
49114_9114	49114	9114	26.207	-14.375	-0.301	-0.684	-37.411	-1419.208	1
49114_9115	49114	9115	-35.073	-50.614	0.474	4.228	43.45	1508.646	1
49115_9115	49115	9115	28.435	-17.02	-0.336	-1.179	-40.968	-1550.874	1
49115_9116	49115	9116	-35.697	-44.939	0.452	5.042	50.46	1709.715	1
49116_9116	49116	9116	31.369	-19.096	0.337	1.486	-47.402	-1722.722	1
49116_9117	49116	9117	-36.208	-43.529	-0.479	2.039	45.518	1855.467	1
49117_9117	49117	9117	33.234	-23.372	0.34	-2.307	-44.606	-1851.321	1
49117_9118	49117	9118	-36.491	-38.619	-0.437	5.837	40.449	1944.761	1
49118_9118	49118	9118	34.566	-24.326	0.279	2.817	-40.718	-1939.098	1
49118_9119	49118	9119	-36.58	-37.629	-0.375	0.737	36.265	2020.033	1
49119_9119	49119	9119	35.498	-28.897	0.26	-1.263	-37.409	-2016.283	1
49119_9120	49119	9120	-36.519	-32.761	-0.329	4.845	32.309	2034.949	1
49120_9120	49120	9120	36.096	-29.483	0.157	3.956	-33.7	-2041.215	1
49120_9121	49120	9121	-36.289	-31.817	-0.198	-0.303	29.996	2038.653	1
49121_9121	49121	9121	36.448	-34.595	0.117	0	-31.204	-2058.979	1
49121_9122	49121	9122	-35.874	-26.723	-0.153	3.614	28.04	1974.902	1
49122_9122	49122	9122	36.58	-35.677	0.098	5.957	-28.933	-2008.616	1
49122_9123	49122	9123	-35.251	-26.058	-0.132	-2.361	26.845	1906.398	1
49123_9123	49123	9123	36.529	-40.543	0.019	0.389	-27.358	-1948.279	1
49123_9124	49123	9124	-34.353	-21.527	-0.061	3.077	26.222	1787.586	1
49124_9124	49124	9124	36.348	-41.435	-0.165	5.945	-26.527	-1828.402	1
49124_9125	49124	9125	-33.073	-20.692	0.059	-2.194	27.267	1663.018	1
49125_9125	49125	9125	35.997	-46.318	-0.207	2.396	-28.122	-1696.534	1
49125_9126	49125	9126	-31.236	-16.512	0.061	1.279	27.551	1504.445	1
49126_9126	49126	9126	35.451	-47.823	0.889	5.631	-29.752	-1509.258	1
49126_9127	49126	9127	-28.409	-14.604	-0.616	-1.794	18.565	1308.453	1
49127_9127	49127	9127	34.904	-53.335	0.821	3.036	-17.625	-1256.458	1
49127_9128	49127	9128	-26.241	-12.075	-0.543	0.415	14.091	1160.202	1
49128_9128	49128	9128	34.898	-53.73	1.553	5.459	-11.064	-1075.668	1
49128_9129	49128	9129	-22.716	-10.796	-1.157	-2.326	1.43	964.613	1
49129_9129	49129	9129	34.737	-57.668	1.543	3.752	6.409	-836.353	1
49129_9130	49129	9130	-18.506	-7.356	-0.803	-0.015	-5.643	719.35	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist.	Fact
49130_9130	49130	9130	33.857	-60.675	-3.084	4.107	24.414	-518.895	1	1
49130_9131	49130	9131	11.374	-6.486	0.344	0.9	17.77	427.782	1	1
49131_9131	49131	9131	32.803	-64.833	-2.824	3.713	-16.058	-210.48	1	1
49131_9132	49131	9132	10.003	-6.202	0.328	0.768	22.269	498.937	1	1
49132_9132	49132	9132	-77.7	-9.271	4.924	1.103	-130.414	-565.64	1	1
49132_9133	49132	9133	49.051	-55.798	-4.481	2.208	64.373	494.256	1	1
49133_9133	49133	9133	-71.925	-12.053	4.931	0.176	-82.133	-712.701	1	1
49133_9134	49133	9134	45.295	-51.829	-4.113	2.999	26.306	658.889	1	1
49134_9134	49134	9134	-67.059	-14.731	5.036	-1.46	-41.498	-811.619	1	1
49134_9135	49134	9135	42.213	-47.701	-3.8	4.001	-7.28	792.227	1	1
49135_9135	49135	9135	-61.862	-17.097	0.104	1.691	-0.114	-897.812	1	1
49135_9136	49135	9136	39.82	-44.248	0.199	1.199	-6.679	912.514	1	1
49136_9136	49136	9136	-56.702	-20.265	0.117	0.176	2.2	-970.925	1	1
49136_9137	49136	9137	38.144	-39.835	0.193	2.713	-5.504	999.52	1	1
49137_9137	49137	9137	-51.77	-23.77	0.06	-0.35	4.035	-1024.205	1	1
49137_9138	49137	9138	37.227	-35.52	0.238	2.972	-3.602	1053.225	1	1
49138_9138	49138	9138	-47.496	-25.474	-0.091	2.7	4.722	-1058.397	1	1
49138_9139	49138	9139	37.032	-34.652	0.165	-0.168	-2.214	1085.625	1	1
49139_9139	49139	9139	-44.71	-28.358	-0.031	0.802	4.046	-1079.312	1	1
49139_9140	49139	9140	37.246	-31.427	0.109	1.95	-0.998	1098.123	1	1
49140_9140	49140	9140	-42.399	-31.454	-0.042	0.414	3.62	-1088.219	1	1
49140_9141	49140	9141	37.888	-28.324	0.114	2.232	0.287	1092.361	1	1
49141_9141	49141	9141	-40.499	-34.676	-0.118	1.767	3.049	-1078.982	1	1
49141_9142	49141	9142	39.037	-25.423	0.186	0.82	1.988	1073.888	1	1
49142_9142	49142	9142	-38.993	-35.49	0.131	2.278	1.91	-1049.256	1	1
49142_9143	49142	9143	41.171	-23.746	0.211	0.509	4.856	1043.727	1	1
49143_9143	49143	9143	-37.638	-39.815	0.02	3.089	1.617	-1000.386	1	1
49143_9144	49143	9144	44.031	-20.218	0.31	-0.199	8.987	993.662	1	1
49144_9144	49144	9144	-37.042	-44.232	0.009	1.571	0.009	-917.8	1	1
49144_9145	49144	9145	47.182	-17.022	0.304	1.407	13.451	923.049	1	1
49145_9145	49145	9145	-37.189	-47.553	-2.879	3.287	-2.278	-801.727	1	1
49145_9146	49145	9146	50.493	-14.785	4.116	-0.684	48.031	840.09	1	1
49146_9146	49146	9146	-38.114	-51.685	-3.257	3.795	-29.581	-673.491	1	1
49146_9147	49146	9147	53.528	-12.075	4.216	-1.098	83.693	743.054	1	1
49147_9147	49147	9147	-39.772	-55.655	-3.49	2.174	-61.637	-515.932	1	1
49147_9148	49147	9148	57.198	-9.229	4.133	1.266	125.812	602.067	1	1
49148_9148	49148	9148	-24.002	-4.013	0.142	0.493	-3.848	-390.656	1	1
49148_9149	49148	9149	-49.217	-61.523	-2.517	3.781	22.917	344.789	1	1
49149_9149	49149	9149	24.647	-6.298	0.798	-0.359	-21.68	-561.421	1	1
49149_9150	49149	9150	-52.339	-57.372	-2.939	3.935	-13.759	616.748	1	1
49150_9150	49150	9150	30.865	-9.329	-0.643	-0.822	-4.942	-807.835	1	1
49150_9151	49150	9151	-55.145	-54.232	1.335	4.768	1.54	887.582	1	1
49151_9151	49151	9151	37.514	-12.764	-0.91	-0.568	-9.678	-1024.564	1	1
49151_9152	49151	9152	-56.705	-50.45	1.223	4.394	15.54	1075.61	1	1
49152_9152	49152	9152	43.075	-14.398	-0.39	-0.784	-19.288	-1191.066	1	1
49152_9153	49152	9153	-57.483	-49.825	0.702	4.394	21.023	1221.046	1	1
49153_9153	49153	9153	46.628	-16.981	-0.429	-0.277	-22.431	-1299.857	1	1
49153_9154	49153	9154	-58.844	-43.958	0.631	4.298	29.68	1403.059	1	1
49154_9154	49154	9154	51.529	-19.545	0.105	1.308	-29.315	-1446.65	1	1
49154_9155	49154	9155	-59.536	-41.924	-0.043	2.451	28.802	1531.885	1	1
49155_9155	49155	9155	54.643	-23.982	0.058	-0.699	-28.832	-1549.967	1	1
49155_9156	49155	9156	-59.666	-36.777	0.02	4.456	28.533	1603.977	1	1
49156_9156	49156	9156	56.906	-25.56	0.123	2.501	-28.58	-1614.305	1	1
49156_9157	49156	9157	-59.318	-35.502	-0.034	1.265	27.818	1655.411	1	1
49157_9157	49157	9157	58.376	-29.942	0.063	0.292	-27.766	-1659.202	1	1
49157_9158	49157	9158	-58.523	-30.909	0.036	3.486	27.841	1660.036	1	1
49158_9158	49158	9158	59.265	-31.13	0.027	3.602	-27.512	-1662.36	1	1
49158_9159	49158	9159	-57.257	-29.745	0.08	0.164	28.459	1653.533	1	1
49159_9159	49159	9159	59.659	-35.712	-0.046	1.394	-27.78	-1654.36	1	1
49159_9160	49159	9160	-55.468	-25.356	0.139	2.378	29.593	1605.23	1	1
49160_9160	49160	9160	59.591	-37.067	0.024	4.052	-28.835	-1599.757	1	1
49160_9161	49160	9161	-52.92	-23.727	0.042	-0.187	29.824	1536.446	1	1
49161_9161	49161	9161	59.012	-42.202	0.02	3.316	-29.261	-1523.43	1	1
49161_9162	49161	9162	-49.599	-19.283	0.04	0.57	29.689	1428.079	1	1
49162_9162	49162	9162	57.883	-44.291	0.722	4.259	-29.569	-1390.113	1	1
49162_9163	49162	9163	-44.569	-16.696	-0.518	-0.136	21.751	1275.312	1	1
49163_9163	49163	9163	56.067	-50.162	0.826	4.838	-19.775	-1200.325	1	1
49163_9164	49163	9164	-40.991	-14.099	-0.492	-1.152	17.894	1161.726	1	1
49164_9164	49164	9164	55.063	-50.903	1.281	4.555	-13.376	-1051.035	1	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49164_9165	49164	9165	-35.467	-12.4	-0.956	-0.689	8.046	990.342	1
49165_9165	49165	9165	53.264	-54.731	1.391	4.696	1.114	-852.358	1
49165_9166	49165	9166	-28.942	-8.956	-0.679	-0.749	3.217	767.539	1
49166_9166	49166	9166	50.323	-58.062	-2.932	3.962	16.907	-573.747	1
49166_9167	49166	9167	-22.885	-5.873	0.779	-0.688	20.312	519.643	1
49167_9167	49167	9167	47.162	-62.221	-2.54	3.69	-20.23	-293.437	1
49167_9168	49167	9168	27.934	-4.394	0.108	0.657	5.357	446.933	1
49168_9168	49168	9168	-61.542	-9.283	4.265	1.099	-126.03	-590.948	1
49168_9169	49168	9169	42.518	-55.891	-3.616	2.336	62.237	503.097	1
49169_9169	49169	9169	-57.692	-12.073	4.345	-1.174	-83.078	-731.892	1
49169_9170	49169	9170	40.451	-51.965	-3.369	3.897	29.496	664.289	1
49170_9170	49170	9170	-54.449	-14.735	4.24	-0.775	-46.717	-828.869	1
49170_9171	49170	9171	39.084	-47.867	-2.976	3.412	1.682	795.859	1
49171_9171	49171	9171	-50.859	-17.023	0.47	0.637	-11.442	-912.64	1
49171_9172	49171	9172	38.453	-44.442	-0.114	2.319	-1.175	915.062	1
49172_9172	49172	9172	-47.391	-20.18	0.355	1.315	-6.016	-984.371	1
49172_9173	49172	9173	38.537	-40.048	-0.001	1.732	-2.537	1000.745	1
49173_9173	49173	9173	-44.16	-23.668	0.361	-0.451	-1.902	-1036.054	1
49173_9174	49173	9174	39.36	-35.743	0.023	3.215	-3.156	1053.365	1
49174_9174	49174	9174	-41.625	-25.525	0.093	1.275	1.636	-1069.323	1
49174_9175	49174	9175	40.453	-34.713	0.025	1.259	-3.036	1084.316	1
49175_9175	49175	9175	-40.151	-28.409	0.008	2.752	2.366	-1088.757	1
49175_9176	49175	9176	41.927	-31.514	0.107	-0.109	-2.295	1094.995	1
49176_9176	49176	9176	-39.166	-31.495	0.059	0.729	2.561	-1095.788	1
49176_9177	49176	9177	43.8	-28.431	0.05	1.972	-1.769	1087.784	1
49177_9177	49177	9177	-38.593	-34.694	0.044	0.362	2.929	-1084.873	1
49177_9178	49177	9178	46.138	-25.556	0.066	2.162	-1.099	1068.537	1
49178_9178	49178	9178	-38.412	-35.787	-0.011	3.247	3.025	-1053.976	1
49178_9179	49178	9179	49.793	-23.68	0.412	-0.52	2.885	1035.239	1
49179_9179	49179	9179	-38.809	-40.088	-0.041	1.776	1.98	-1000.628	1
49179_9180	49179	9180	54.089	-20.211	0.4	1.249	7.421	983.867	1
49180_9180	49180	9180	-39.945	-44.476	-0.16	2.372	0.141	-914.331	1
49180_9181	49180	9181	58.578	-17.072	0.524	0.576	13.309	-912.872	1
49181_9181	49181	9181	-41.776	-47.925	-2.929	3.748	-3.253	-794.727	1
49181_9182	49181	9182	63.117	-14.777	4.159	-1.029	47.928	830.014	1
49182_9182	49182	9182	-44.289	-52.014	-3.263	3.432	-30.733	-662.804	1
49182_9183	49182	9183	67.266	-12.136	4.194	-0.387	83.051	734.765	1
49183_9183	49183	9183	-47.46	-55.931	-3.6	2.853	-62.645	-501.747	1
49183_9184	49183	9184	72.121	-9.384	4.24	0.445	125.538	596.175	1
49184_9184	49184	9184	-10.687	-5.46	0.165	0.695	-7.115	-382.93	1
49184_9185	49184	9185	-36.786	-63.883	-2.483	3.656	19.697	-280.909	1
49185_9185	49185	9185	-11.629	-5.753	0.174	0.567	-4.648	-317.871	1
49185_9186	49185	9186	-38.571	-59.638	-2.878	3.935	-17.209	589.381	1
49186_9186	49186	9186	21.284	-8.242	-0.691	-0.506	-3.799	-758.3	1
49186_9187	49186	9187	-40.164	-56.037	1.428	4.297	-1.185	897.621	1
49187_9187	49187	9187	26.228	-11.755	-1.006	-0.936	-8.724	-1001.809	1
49187_9188	49187	9188	-40.878	-51.952	1.354	4.572	13.736	1124.25	1
49188_9188	49188	9188	30.413	-13.653	-0.483	-0.729	-19.095	-1192.709	1
49188_9189	49188	9189	-41.189	-50.79	0.885	4.955	20.399	1287.238	1
49189_9189	49189	9189	33.087	-16.313	-0.549	-0.246	-22.869	-1317.6	1
49189_9190	49189	9190	-42.014	-44.815	0.844	4.92	31.676	1493.025	1
49190_9190	49190	9190	36.719	-19.143	-0.061	0.289	-31.469	-1493.154	1
49190_9191	49190	9191	-42.482	-42.398	0.205	4.82	33.51	1634.008	1
49191_9191	49191	9191	39.017	-23.587	-0.051	0.663	-33.104	-1616.254	1
49191_9192	49191	9192	-42.512	-37.282	0.182	4.438	35.035	1715.571	1
49192_9192	49192	9192	40.644	-25.476	-0.006	3.015	-34.441	-1698.753	1
49192_9193	49192	9193	-42.205	-35.757	0.154	1.766	36.165	1770.562	1
49193_9193	49193	9193	41.685	-29.844	-0.07	0.524	-35.37	-1755.288	1
49193_9194	49193	9194	-41.567	-31.236	0.218	4.292	37.956	1777.903	1
49194_9194	49194	9194	42.303	-31.358	-0.055	4.532	-36.96	-1768.314	1
49194_9195	49194	9195	-40.572	-29.786	0.184	0.211	39.359	1770.222	1
49195_9195	49195	9195	42.539	-35.903	-0.123	2.032	-38.469	-1764.782	1
49195_9196	49195	9196	-39.169	-25.503	0.236	2.727	41.14	1721.193	1
49196_9196	49196	9196	42.444	-37.541	0.072	5.826	-40.644	-1713.518	1
49196_9197	49196	9197	-37.179	-23.672	0.053	-1.14	40.914	1648.126	1
49197_9197	49197	9197	41.963	-42.625	0.014	3.564	-40.794	-1635.308	1
49197_9198	49197	9198	-34.641	-19.353	0.104	1.17	40.891	1536.61	1
49198_9198	49198	9198	41.066	-45.093	0.927	6.255	-41.491	-1500.539	1
49198_9199	49198	9199	-30.817	-16.592	-0.673	-1.503	29.79	1375.65	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49199_9199	49199	9199	39.713	-50.96	0.936	4.735	-28.796	-1308.22	1
49199_9200	49199	9200	-28.134	-14.01	-0.545	-0.248	25.102	1261.943	1
49200_9200	49200	9200	39.133	-52.266	1.127	6.293	-21.328	-1154.709	1
49200_9201	49200	9201	-24.04	-11.972	-0.894	-1.762	15.623	1078.741	1
49201_9201	49201	9201	38.115	-56.29	1.199	5.971	-8.39	-941.221	1
49201_9202	49201	9202	-19.327	-8.511	-0.617	-1.021	10.613	840.674	1
49202_9202	49202	9202	36.32	-59.876	-3.111	5.514	5.753	-647.884	1
49202_9203	49202	9203	-15.104	-5.392	0.814	-0.898	26.43	578.619	1
49203_9203	49203	9203	34.479	-64.029	-2.626	5.518	-31.717	-352.337	1
49203_9204	49203	9204	11.21	-4.84	0.145	0.642	1.513	356.255	1
49204_9204	49204	9204	-72.434	-11.349	4.681	1.595	-150.02	-682.026	1
49204_9205	49204	9205	49.416	-55.004	-3.766	2.487	71.199	558.903	1
49205_9205	49205	9205	-67.75	-13.976	4.714	-1.209	-100.987	-810.603	1
49205_9206	49205	9206	46.658	-51.356	-3.472	4.435	35.555	711.712	1
49206_9206	49206	9206	-63.821	-16.461	4.635	-1.927	-60.308	-892.925	1
49206_9207	49206	9207	44.589	-47.557	-3.074	4.645	5.249	833.771	1
49207_9207	49207	9207	-59.555	-18.663	0.847	2.591	-20.845	-963.883	1
49207_9208	49207	9208	43.21	-44.234	-0.299	0.7	-0.581	944.715	1
49208_9208	49208	9208	-55.392	-21.615	0.838	1.019	-11.317	-1023.129	1
49208_9209	49208	9209	42.544	-40.146	-0.226	2.377	-4.662	1026.616	1
49209_9209	49209	9209	-51.473	-24.875	0.822	-0.819	-2.529	-1065.18	1
49209_9210	49209	9210	42.6	-36.133	-0.144	3.841	-7.022	1079.381	1
49210_9210	49210	9210	-48.231	-26.523	0.01	4.22	5.232	-1091.469	1
49210_9211	49210	9211	43.104	-35.22	0.197	-1.893	-5.685	1112.599	1
49211_9211	49211	9211	-46.226	-29.215	0.054	2.48	5.656	-1107.829	1
49211_9212	49211	9212	43.982	-32.229	0.15	0.309	-4.309	1128.138	1
49212_9212	49212	9212	-44.697	-32.095	0.102	0.464	6.098	-1113.854	1
49212_9213	49212	9213	45.246	-29.349	0.102	2.366	-3.01	1127.833	1
49213_9213	49213	9213	-43.573	-35.086	0.147	-1.719	6.588	-1103.942	1
49213_9214	49213	9214	46.95	-26.659	0.055	4.167	-1.815	1117.312	1
49214_9214	49214	9214	-42.837	-36.054	-0.273	4.704	7.02	-1076.28	1
49214_9215	49214	9215	49.74	-25.058	0.942	-2.543	7.418	1099.326	1
49215_9215	49215	9215	-42.479	-40.041	-0.3	2.326	2.861	-1030.42	1
49215_9216	49215	9216	53.126	-21.821	0.895	0.562	17.197	1066.172	1
49216_9216	49216	9216	-42.842	-44.118	-0.316	-0.362	-2.535	-955.801	1
49216_9217	49216	9217	56.696	-18.892	0.829	3.262	26.981	1016.417	1
49217_9217	49217	9217	-43.915	-47.213	-3.178	5.586	-9.118	-852.397	1
49217_9218	49217	9218	60.365	-17.07	4.405	-4.218	64.963	958.439	1
49218_9218	49218	9218	-45.649	-50.947	-3.334	3.138	-40.378	-740.245	1
49218_9219	49218	9219	63.637	-14.59	4.197	-0.114	101.432	890.003	1
49219_9219	49219	9219	-48.01	-54.546	-3.594	1.661	-74.546	-600.386	1
49219_9220	49219	9220	67.397	-11.981	4.142	1.672	144.446	782.117	1
49220_9220	49220	9220	-8.103	-7.751	-0.126	1.761	13.306	-352.348	1
49220_9221	49220	9221	-28.202	-61.334	-2.082	3.448	36.488	612.548	1
49221_9221	49221	9221	-9.204	-7.971	-0.107	0.642	12.255	-258.2	1
49221_9222	49221	9222	-29.418	-56.725	-2.424	4.597	6.378	912.433	1
49222_9222	49222	9222	14.773	-10.626	-0.358	1.336	-20.697	-996.065	1
49222_9223	49222	9223	-30.57	-52.59	1.056	1.646	17.705	1197.923	1
49223_9223	49223	9223	18.636	-14.678	-0.713	-4.055	-23.779	-1238.526	1
49223_9224	49223	9224	-31.196	-48.084	1.178	6.397	30.171	1392.288	1
49224_9224	49224	9224	22.081	-17.01	-0.258	2.675	-31.947	-1416.115	1
49224_9225	49224	9225	-31.553	-46.585	0.517	0.038	34.182	1524.799	1
49225_9225	49225	9225	24.32	-19.944	-0.388	-2.179	-34.588	-1530.188	1
49225_9226	49225	9226	-32.471	-40.053	0.623	5.21	43.004	1685.52	1
49226_9226	49226	9226	27.6	-23.65	0.104	3.22	-41.611	-1673.789	1
49226_9227	49226	9227	-32.933	-37.093	-0.142	-0.3	41.337	1769.286	1
49227_9227	49227	9227	29.706	-28.522	0.05	-1.576	-41.271	-1753.082	1
49227_9228	49227	9228	-32.841	-31.858	-0.065	4.567	40.035	1788.182	1
49228_9228	49228	9228	31.249	-31.137	0.152	4.544	-40.654	-1781.093	1
49228_9229	49228	9229	-32.205	-29.347	-0.18	-1.677	37.654	1776.777	1
49229_9229	49229	9229	32.33	-36.353	0.082	-0.296	-39.055	-1774.945	1
49229_9230	49229	9230	-30.919	-24.504	-0.112	3.199	35.399	1712.038	1
49230_9230	49230	9230	32.885	-39.277	0.491	5.865	-37.69	-1705.292	1
49230_9231	49230	9231	-28.917	-21.957	-0.307	-3.344	30.691	1618.456	1
49231_9231	49231	9231	32.899	-44.85	0.416	2.132	-31.475	-1595.511	1
49231_9232	49231	9232	-27.014	-18.582	-0.206	0.647	28.267	1518.473	1
49232_9232	49232	9232	32.7	-48.875	0.275	-3.716	-27.662	-1470.654	1
49232_9233	49232	9233	-26.236	-17.596	-0.086	5.997	28.004	1478.936	1
49233_9233	49233	9233	32.934	-48.114	1.618	6.407	-26.812	-1422.663	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49233_9234	49233	9234	-23.696	-16.197	-1.179	-4.229	17.036	1355.204	1
49234_9234	49234	9234	32.72	-51.83	1.555	3.406	-11.923	-1267.846	1
49234_9235	49234	9235	-21.532	-14.022	-0.982	-0.579	11.09	1243.678	1
49235_9235	49235	9235	32.576	-54.505	1.437	0.352	-1.282	-1141.789	1
49235_9236	49235	9236	-19.638	-12.356	-0.778	2.488	8.211	-1147.355	1
49236_9236	49236	9236	32.383	-55.875	1.019	4.767	6.472	-1018.322	1
49236_9237	49236	9237	-16.71	-10.034	-1.856	-1.872	-5.866	964.833	1
49237_9237	49237	9237	31.676	-59.265	1.148	1.271	15.177	-808.255	1
49237_9238	49237	9238	4.051	-9.196	0.188	1.609	0.197	-337.707	1
49238_9238	49238	9238	30.636	-58.088	-4.766	9.645	27.172	-588.968	1
49238_9239	49238	9239	4.207	-9.475	1.747	0.289	15.785	422.689	1
49239_9239	49239	9239	29.349	-61.049	-4.563	8.559	-13.968	-401.882	1
49239_9240	49239	9240	3.348	-9.424	1.801	0.891	23.941	456.446	1
49240_9240	49240	9240	-77.154	-21.138	-2.673	-13.477	-81.863	-945.218	1
49240_9241	49240	9241	58.938	-46.592	1.301	14.05	72.014	681.276	1
49241_9241	49241	9241	-74.794	-16.994	2.342	5.07	-96.514	-957.498	1
49241_9242	49241	9242	57.956	-51.422	-1.218	-1.946	65.159	-723.017	1
49242_9242	49242	9242	-73.43	-17.955	2.42	3.051	-87.898	-985.957	1
49242_9243	49242	9243	54.679	-46.082	-0.852	0.454	43.095	879.266	1
49243_9243	49243	9243	-67.924	-22.111	2.302	-0.321	-55.793	-1062.208	1
49243_9244	49243	9244	53.266	-42.129	-0.64	2.876	32.187	965.652	1
49244_9244	49244	9244	-63.852	-21.633	2.269	3.745	-35.395	-1088.221	1
49244_9245	49244	9245	52.777	-41.504	-2.331	-0.386	4.583	1079.477	1
49245_9245	49245	9245	-59.586	-25.372	2.619	0.295	-9.953	-1139.118	1
49245_9246	49245	9246	53.145	-37.258	-2.246	2.919	-17.463	1142.965	1
49246_9246	49246	9246	-56.475	-27.933	-0.259	3.231	16.37	-1163.774	1
49246_9247	49246	9247	54.499	-33.702	0.132	-0.415	-14.207	1188.261	1
49247_9247	49247	9247	-54.09	-32.375	-0.052	-0.869	15.284	-1177.037	1
49247_9248	49247	9248	56.559	-29.754	-0.08	3.642	-13.244	1193.065	1
49248_9248	49248	9248	-52.961	-35.21	-0.503	3.188	15.872	-1158.83	1
49248_9249	49248	9249	59.462	-27.17	0.88	-0.58	-2.539	1184.425	1
49249_9249	49249	9249	-52.66	-39.5	-0.469	0.301	10.318	-1117.332	1
49249_9250	49249	9250	63.368	-23.407	0.769	2.616	8.583	1154.522	1
49250_9250	49250	9250	-53.269	-42.95	-2.929	2.916	3.444	-1034.198	1
49250_9251	49250	9251	67.319	-21.268	4.028	-0.468	52.603	1114.092	1
49251_9251	49251	9251	-54.841	-47.356	-3.225	0.451	-32.608	-929.774	1
49251_9252	49251	9252	71.17	-18.179	3.798	2.555	93.437	1049.435	1
49252_9252	49252	9252	-57.379	-47.991	2.651	14.854	-73.522	-799.694	1
49252_9253	49252	9253	72.519	-20.338	-3.574	-15.866	82.979	1033.566	1
49253_9253	49253	9253	-58.384	-49.242	2.884	13.945	-67.361	-766.645	1
49253_9254	49253	9254	75.742	-17.374	-3.783	-13.322	48.428	978.224	1
49254_9254	49254	9254	7.663	-10.887	7.412	-14.152	-20.885	-578.04	1
49254_9255	49254	9255	-26.419	-54.075	-8.61	19.263	-70.744	621.8	1
49255_9255	49255	9255	-21.397	-8.658	0.548	1.703	4.451	-358.058	1
49255_9256	49255	9256	-28.301	-56.974	4.477	1.412	-17.338	852.213	1
49256_9256	49256	9256	13.661	-11.547	-4.747	-2.01	21.89	-995.302	1
49256_9257	49256	9257	-29.596	-53.013	4.334	4.833	32.293	1064.283	1
49257_9257	49257	9257	16.621	-12.733	0.614	2.425	-31.55	-1181.357	1
49257_9258	49257	9258	-30.036	-54.775	-0.654	0.008	29.275	1159.744	1
49258_9258	49258	9258	18.066	-13.953	0.596	0.568	-28.82	-1254.928	1
49258_9259	49258	9259	-31.338	-50.916	-0.566	2.276	23.503	1334.51	1
49259_9259	49259	9259	20.904	-17.072	0.588	-3.257	-22.814	-1406.847	1
49259_9260	49259	9260	-31.979	-48.398	-0.447	5.417	20.716	1446.345	1
49260_9260	49260	9260	22.796	-17.968	-0.17	6.224	-18.731	-1493.45	1
49260_9261	49260	9261	-32.213	-48.666	0.167	-4.279	21.749	1496.126	1
49261_9261	49261	9261	23.688	-18.997	-0.254	1.624	-19.274	-1537.525	1
49261_9262	49261	9262	-33.922	-43.565	0.237	1.023	26.329	1651.603	1
49262_9262	49262	9262	26.578	-23.322	-0.343	-3.843	-22.789	-1660.755	1
49262_9263	49262	9263	-35.184	-39.103	0.316	6.072	30.737	1737.599	1
49263_9263	49263	9263	28.914	-25.252	-0.273	2.959	-26.831	-1730.686	1
49263_9264	49263	9264	-36.205	-35.893	0.028	-0.229	32.781	1806.263	1
49264_9264	49264	9264	31.386	-30.229	-0.28	-0.565	-30.712	-1795.858	1
49264_9265	49264	9265	-36.589	-30.869	0.032	3.3	33.639	1809.378	1
49265_9265	49265	9265	33.393	-33.082	-0.035	4.243	-33.654	-1801.306	1
49265_9266	49265	9266	-36.197	-28.02	-0.106	-1.539	32.535	1787.12	1
49266_9266	49266	9266	35.028	-38.384	-0.055	0.948	-33.809	-1774.997	1
49266_9267	49266	9267	-35.076	-23.456	-0.081	1.802	30.959	1711.896	1
49267_9267	49267	9267	36.105	-41.591	0.88	5.406	-33.457	-1687.81	1
49267_9268	49267	9268	-34.114	-22.776	-0.718	-3.192	25.832	1659.816	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49268_9268	49268	9268	36.491	-44.564	0.881	4.447	-27.254	-1620.687	1
49268_9269	49268	9269	-32.871	-20.229	-0.644	-1.849	21.517	1590.953	1
49269_9269	49269	9269	37.036	-47.231	0.827	2.001	-20.839	-1542.026	1
49269_9270	49269	9270	-30.513	-17.155	-0.493	0.705	17.208	1473.762	1
49270_9270	49270	9270	37.66	-49.551	1.385	6.002	-12.702	-1395.207	1
49270_9271	49270	9271	-27.545	-15.387	-0.902	-3.576	9.989	1330.904	1
49271_9271	49271	9271	37.884	-53.188	1.305	4.134	0.511	-1228.412	1
49271_9272	49271	9272	-24.961	-13.218	-0.723	-1.183	6.956	1202.76	1
49272_9272	49272	9272	37.585	-56.024	1.155	1.141	8.94	-1075.92	1
49272_9273	49272	9273	-23.265	-11.931	-0.576	1.506	6.323	1109.847	1
49273_9273	49273	9273	37.612	-57.029	-2.401	5.052	13.177	-973.267	1
49273_9274	49273	9274	8.967	-9.11	-0.131	0.075	-9.28	331.019	1
49274_9274	49274	9274	36.891	-60.668	-2.014	2.774	-15.592	-716.12	1
49274_9275	49274	9275	8.855	-8.891	-0.154	1.523	-11.009	446.733	1
49275_9275	49275	9275	-72.071	-15.837	3.466	0.596	-128.766	-984.081	1
49275_9276	49275	9276	56.003	-51.918	-2.219	1.727	70.517	707.977	1
49276_9276	49276	9276	-70.167	-17.316	3.452	-0.681	-108.554	-1018.009	1
49276_9277	49276	9277	54.634	-49.947	-2.099	2.657	54.746	758.761	1
49277_9277	49277	9277	-68.227	-18.844	3.453	-2.907	-89.383	-1054.925	1
49277_9278	49277	9278	52.778	-45.895	-1.798	3.902	26.898	860.775	1
49278_9278	49278	9278	-64.578	-20.384	1.136	3.98	-52.732	-1097.736	1
49278_9279	49278	9279	51.824	-42.835	-0.242	-0.673	14.325	971.205	1
49279_9279	49279	9279	-59.963	-24.323	1.224	-1.033	-35.067	-1135.201	1
49279_9280	49279	9280	52.305	-37.484	-0.217	3.471	4.284	1039.075	1
49280_9280	49280	9280	-55.895	-26.002	-0.292	4.181	-17.496	-1141.045	1
49280_9281	49280	9281	54.284	-35.364	0.718	-1.153	8.094	1095.291	1
49281_9281	49281	9281	-53.126	-30.707	-0.206	-0.526	-18.629	-1149.068	1
49281_9282	49281	9282	57.777	-30.072	0.499	3.369	9.623	1100.735	1
49282_9282	49282	9282	-51.865	-34.061	0.694	2.863	-19.862	-1097.914	1
49282_9283	49282	9283	62.891	-27.218	0.305	-1.437	8.109	1070.749	1
49283_9283	49283	9283	-52.266	-39.613	0.778	-1.808	-10.969	-1032.077	1
49283_9284	49283	9284	68.688	-23.224	0.243	3.375	9.316	1040.906	1
49284_9284	49284	9284	-54.158	-41.547	-1.487	2.33	-3.952	-924.702	1
49284_9285	49284	9285	74.334	-22.714	4.055	-0.915	51.413	1025.291	1
49285_9285	49285	9285	-56.957	-45.963	-1.965	-0.061	-27.387	-826.221	1
49285_9286	49285	9286	79.339	-19.754	4.147	2.208	94.345	991.215	1
49286_9286	49286	9286	-60.425	-47.538	2.557	6.409	-58.422	-710.793	1
49286_9287	49286	9287	81.485	-21.531	-4.074	-5.529	80.791	983.746	1
49287_9287	49287	9287	-62.279	-49.069	2.746	6.998	-52.366	-670.229	1
49287_9288	49287	9288	86.059	-18.912	-4.201	-5.644	45.414	959.36	1
49288_9288	49288	9288	1.668	-9.795	6.17	-8.56	-9.977	-542.365	1
49288_9289	49288	9289	-10.319	-57.222	-7.405	10.839	-54.155	704.608	1
49289_9289	49289	9289	2.341	-6.876	-3.783	1.52	57.247	-761.363	1
49289_9290	49289	9290	-9.127	-60.325	3.654	0.232	-5.649	1042.405	1
49290_9290	49290	9290	2.929	-10.082	-3.936	-1.448	11.351	-1050.787	1
49290_9291	49290	9291	-7.704	-56.389	3.475	2.974	36.318	1341.228	1
49291_9291	49291	9291	3.713	-11.114	0.65	3.284	-35.58	-1308.36	1
49291_9292	49291	9292	-7.03	-58.257	-0.165	-2.275	35.776	1451.044	1
49292_9292	49292	9292	4.045	-12.252	0.595	0.234	-33.328	-1402.515	1
49292_9293	49292	9293	-6.347	-55.411	-0.084	1.186	35.402	1652.526	1
49293_9293	49293	9293	4.508	-14.681	0.515	-2.762	-30.037	-1578.071	1
49293_9294	49293	9294	-5.946	-52.524	-0.026	4.043	35.831	1838.479	1
49294_9294	49294	9294	4.824	-13.701	0.58	6.012	-27.991	-1737.347	1
49294_9295	49294	9295	-6.049	-55.168	-0.937	-5.448	32.726	1938.476	1
49295_9295	49295	9295	4.974	-14.919	0.616	0.389	-26.589	-1829.823	1
49295_9296	49295	9296	-6.251	-51.258	-0.947	1.037	24.201	2171.629	1
49296_9296	49296	9296	5.335	-18.171	0.736	-4.446	-21.302	-2038.006	1
49296_9297	49296	9297	-6.386	-48.091	-0.94	5.904	16.915	2327.93	1
49297_9297	49297	9297	5.579	-18.198	-0.009	3.57	-15.27	-2188.831	1
49297_9298	49297	9298	-6.514	-46.777	-0.253	-2.56	15.125	2530.942	1
49298_9298	49298	9298	5.888	-22.122	0.037	-4.309	-15.036	-2399.005	1
49298_9299	49298	9299	-6.596	-42.594	-0.292	5.827	12.304	2661.512	1
49299_9299	49299	9299	6.125	-22.649	0.078	4.929	-13.701	-2554.836	1
49299_9300	49299	9300	-6.619	-41.962	-0.248	-4.013	9.849	2776.041	1
49300_9300	49300	9300	6.319	-26.545	0.103	-3.465	-11.882	-2704.694	1
49300_9301	49300	9301	-6.557	-36.822	-0.271	4.723	6.252	2829.996	1
49301_9301	49301	9301	6.496	-27.745	0.168	6.549	-8.764	-2813.421	1
49301_9302	49301	9302	-6.397	-35.656	-0.302	-5.558	2.798	2841.877	1
49302_9302	49302	9302	6.596	-32.231	0.184	-4.278	-5.279	-2887.681	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49302_9303	49302	9303	-6.119	-30.744	-0.304	5.026	-0.836	2769.145	1
49303_9303	49303	9303	6.624	-33.15	0.139	6.483	-1.304	-2890.213	1
49303_9304	49303	9304	-5.666	-28.815	-0.239	-5.009	-3.329	2638.57	1
49304_9304	49304	9304	6.565	-38.18	0.153	-2.855	1.941	-2854.24	1
49304_9305	49304	9305	-5.119	-23.898	-0.239	3.355	-5.496	2430.793	1
49305_9305	49305	9305	6.416	-39.524	-0.04	8.618	4.997	-2743.978	1
49305_9306	49305	9306	-4.402	-21.515	-0.089	-6.311	-5.333	2162.434	1
49306_9306	49306	9306	6.168	-44.271	-0.031	-1.671	5.493	-2590.776	1
49306_9307	49306	9307	-3.362	-15.422	-0.112	1.875	-5.389	1733.56	1
49307_9307	49307	9307	5.735	-47.401	-0.424	6.519	6.328	-2311.675	1
49307_9308	49307	9308	-2.251	-11.294	0.069	-3.083	-2.809	1253.371	1
49308_9308	49308	9308	5.166	-53.031	-0.352	1.204	2.481	-1965.114	1
49308_9309	49308	9309	-1.385	-6.399	-0.006	0.096	-2.001	785.272	1
49309_9309	49309	9309	4.41	-57.387	-0.718	5.522	0.337	-1505.977	1
49309_9310	49309	9310	0.763	-5.343	-0.865	0.966	-20.988	-56.393	1
49310_9310	49310	9310	3.435	-63.685	-0.607	1.773	-5.68	-923.207	1
49310_9311	49310	9311	0.76	-5.343	-0.867	0.777	-31.096	5.872	1
49311_9311	49311	9311	2.292	-70.384	2.472	1.82	-8.201	-212.986	1
49311_9312	49311	9312	0.83	-5.574	9.529	-2.229	0	23.881	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
9000_9000	9000	9000	3.837	24.694	-0.556	-1.043	0	14.236	1
9000_9001	9000	9001	38.955	-61.908	0.122	0.684	1.009	321.322	1
9001_9001	9001	9001	2.797	-5.716	0.813	0.228	6.743	25.716	1
9001_9002	9001	9002	75.288	-57.091	0.18	0.97	3.097	617.016	1
9002_9002	9002	9002	6.763	-5.494	-0.387	0.205	13.68	58.287	1
9002_9003	9002	9003	115.724	-51.831	-0.224	0.74	1.893	946.061	1
9003_9003	9003	9003	11.956	-5.533	-0.373	0.25	8.815	100.763	1
9003_9004	9003	9004	146.449	-40.463	-0.248	1.197	-0.683	1195.162	1
9004_9004	9004	9004	17.225	-5.71	0.002	0.2	4.307	143.32	1
9004_9005	9004	9005	171.969	-37.533	-0.037	0.479	-0.452	1402.927	1
9005_9005	9005	9005	22.638	-5.714	0.002	0.278	4.316	187.221	1
9005_9006	9005	9006	188.968	-32.205	-0.059	1.161	-0.583	1541.448	1
9006_9006	9006	9006	28.078	-5.691	0.074	0.189	4.342	231.156	1
9006_9007	9006	9007	201.483	-30.476	0.035	0.364	0.494	1643.364	1
9007_9007	9007	9007	33.495	-5.691	0.074	0.243	5.241	274.909	1
9007_9008	9007	9008	206.844	-25.578	0.019	0.775	1.354	1687.159	1
9008_9008	9008	9008	38.912	-5.801	0.078	0.185	6.141	318.655	1
9008_9009	9008	9009	209.537	-24.698	0.049	0.297	2.662	1709.114	1
9009_9009	9009	9009	44.436	-5.801	0.078	0.176	7.089	363.273	1
9009_9010	9009	9010	206.087	-20.081	0.032	0.362	3.702	1681.191	1
9010_9010	9010	9010	49.956	-5.982	0.081	0.045	8.037	407.853	1
9010_9011	9010	9011	202.737	-2.574	0.097	-0.525	4.449	1654.187	1
9011_9011	9011	9011	55.652	-5.982	0.082	0.22	9.021	453.85	1
9011_9012	9011	9012	194.002	2.162	0.079	0.232	5.755	1583.567	1
9012_9012	9012	9012	61.346	-6.223	0.072	-0.035	10.009	499.838	1
9012_9013	9012	9013	183.336	3.069	0.138	-0.689	7.791	1497.114	1
9013_9013	9013	9013	67.269	-6.223	0.073	0.177	10.882	547.673	1
9013_9014	9013	9014	167.505	7.66	0.113	0.013	9.27	1368.749	1
9014_9014	9014	9014	73.19	-6.498	0.057	-0.049	11.758	595.498	1
9014_9015	9014	9015	144.071	10.387	-0.044	-0.604	8.471	1178.549	1
9015_9015	9015	9015	89.02	-6.261	0.037	0.027	8.42	671.658	1
9015_9016	9015	9016	138.128	13.597	-0.032	-0.07	5.355	1079.73	1
9016_9016	9016	9016	91.523	-6.147	-0.012	-0.171	8.724	708.954	1
9016_9017	9016	9017	104.296	15.891	-0.189	-0.401	3.103	913.122	1
9017_9017	9017	9017	88.719	-5.937	-0.012	-0.118	8.595	775.037	1
9017_9018	9017	9018	66.258	1.026	-0.103	-0.046	2.212	720.315	1
9018_9018	9018	9018	79.946	-6.037	0.073	-0.312	8.427	855.141	1
9018_9019	9018	9019	37.321	3.695	0.13	-0.234	4.481	522.761	1
9019_9019	9019	9019	69.231	-6.195	0.075	-0.296	9.275	938.717	1
9019_9020	9019	9020	21.134	-1.935	0.003	-0.099	4.173	367.343	1
9020_9020	9020	9020	37.744	22.802	-0.009	-0.262	3.241	501.213	1
9020_9021	9020	9021	118.937	-27.438	-0.677	-0.112	15.758	530.808	1
9021_9021	9021	9021	19.062	16.099	-0.128	-0.068	6.003	359.805	1
9021_9022	9021	9022	122.603	-24.89	-0.529	0.143	7.446	567.318	1
9022_9022	9022	9022	3.89	12.425	-0.21	-0.074	6.611	289.739	1
9022_9023	9022	9023	124.225	-22.159	-0.498	0.118	2.892	604.544	1
9023_9023	9023	9023	-11.427	4.034	-0.195	-0.109	7.572	255.189	1
9023_9024	9023	9024	125.475	-20.113	-0.072	-0.05	1.832	638.001	1
9024_9024	9024	9024	-12.234	2.644	-0.198	-0.101	6.284	238.087	1
9024_9025	9024	9025	125.641	-16.887	-0.061	-0.02	0.93	661.367	1
9025_9025	9025	9025	-12.962	2.266	-0.188	-0.07	4.755	225.643	1
9025_9026	9025	9026	125.144	-13.374	-0.053	0.093	0.183	675.948	1
9026_9026	9026	9026	-11.977	1.489	-0.159	-0.135	3.334	215.529	1
9026_9027	9026	9027	124.837	-12.697	-0.012	-0.165	-0.019	684.938	1
9027_9027	9027	9027	-12.789	1.489	-0.147	-0.096	2.378	209.841	1
9027_9028	9027	9028	123.955	-9.887	-0.015	-0.016	-0.218	687.351	1
9028_9028	9028	9028	-12.222	1.29	-0.147	-0.097	1.531	204.733	1
9028_9029	9028	9029	121.138	-21.381	0.013	0.084	-0.384	679.241	1
9029_9029	9029	9029	-12.37	1.222	-0.146	-0.092	0.663	199.884	1
9029_9030	9029	9030	120.162	-18.714	0.018	0.112	-0.28	668.13	1
9030_9030	9030	9030	-11.864	0.756	-0.18	-0.143	-0.177	195.622	1
9030_9031	9030	9031	119.021	-17.221	0.062	-0.033	0.299	651.25	1
9031_9031	9031	9031	-12.412	0.756	-0.18	-0.143	-1.613	191.773	1
9031_9032	9031	9032	117.143	-13.983	0.074	-0.001	1.086	625.159	1
9032_9032	9032	9032	-35.415	-3.791	0.194	0.122	3.663	192.62	1
9032_9033	9032	9033	114.164	-11.02	0.078	0.109	1.998	588.814	1
9033_9033	9033	9033	-30.965	-6.64	0.34	0.034	4.899	216.583	1
9033_9034	9033	9034	110.823	-9.154	0.526	-0.124	6.474	548.294	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9034_9034	9034	9034	-7.502	-13.78	0.192	0.068	4.98	266.421	1
9034_9035	9034	9035	106.681	-6.678	0.541	-0.095	11.197	501.857	1
9035_9035	9035	9035	6.507	-17.745	0.16	0.264	5.816	363.192	1
9035_9036	9035	9036	100.27	-4.088	0.702	0.179	22.109	448.04	1
9036_9036	9036	9036	85.604	32.615	0.347	-0.842	-8.451	982.593	1
9036_9037	9036	9037	16.681	-36.195	-0.112	0.159	3.09	473.795	1
9037_9037	9037	9037	44.269	9.493	-0.054	0.385	5.518	860.461	1
9037_9038	9037	9038	39.823	-32.801	-0.191	0.31	0.936	637.159	1
9038_9038	9038	9038	51.772	8.614	0.022	0.103	4.9	754.737	1
9038_9039	9038	9039	68.567	-29.598	0.137	0.143	2.012	784.065	1
9039_9039	9039	9039	57.797	8.033	0.028	0.15	5.18	652.544	1
9039_9040	9039	9040	93.006	-26.082	0.164	0.327	3.593	887.694	1
9040_9040	9040	9040	57.09	7.485	0.018	0.057	5.517	579.808	1
9040_9041	9040	9041	105.812	-25.345	0.107	0.175	4.463	965.065	1
9041_9041	9041	9041	61.953	7.329	0.008	0.005	2.71	495.286	1
9041_9042	9041	9042	136.871	-19.682	0.058	0.15	3.042	1003.128	1
9042_9042	9042	9042	51.23	6.941	-0.018	-0.035	2.838	427.363	1
9042_9043	9042	9043	148.999	-34.25	-0.009	0.123	3.067	1082.556	1
9043_9043	9043	9043	43.248	6.941	-0.017	-0.009	2.623	376.807	1
9043_9044	9043	9044	157.853	-29.359	-0.008	0.241	2.976	1135.249	1
9044_9044	9044	9044	35.274	6.706	-0.013	-0.054	2.424	326.296	1
9044_9045	9044	9045	165.518	-28.09	-0.003	0.051	2.945	1179.109	1
9045_9045	9045	9045	27.565	6.706	-0.012	-0.033	2.269	277.468	1
9045_9046	9045	9046	167.318	-23.192	-0.001	0.184	2.916	1184.813	1
9046_9046	9046	9046	34.182	-6.969	0.02	0.031	2.317	243.426	1
9046_9047	9046	9047	166.322	-6.472	0.003	-0.13	2.963	1184.079	1
9047_9047	9047	9047	42.192	-6.969	0.02	0.053	2.55	294.161	1
9047_9048	9047	9048	161.138	-1.462	0.005	0.015	3.026	1145.544	1
9048_9048	9048	9048	50.201	-7.152	0.023	0.005	2.787	344.892	1
9048_9049	9048	9049	154.635	-0.318	0.014	-0.194	3.216	1097.863	1
9049_9049	9049	9049	58.419	-7.152	0.024	0.035	3.064	396.946	1
9049_9050	9049	9050	146.067	-11.684	0.016	0.04	3.284	1019.177	1
9050_9050	9050	9050	66.636	-7.438	0.005	-0.019	3.345	448.996	1
9050_9051	9050	9051	131.078	-9.805	-0.048	-0.105	2.411	911.255	1
9051_9051	9051	9051	73.858	-7.314	0.006	-0.008	3.905	536.301	1
9051_9052	9051	9052	111.515	-6.279	-0.049	-0.032	2.307	869.961	1
9052_9052	9052	9052	77.599	-7.287	0.001	-0.068	3.925	577.442	1
9052_9053	9052	9053	87.647	-4.324	-0.075	-0.155	1.44	765.721	1
9053_9053	9053	9053	70.474	-7.435	0.001	-0.254	5.348	683.814	1
9053_9054	9053	9054	50.675	-0.764	-0.076	-0.19	1.197	662.566	1
9054_9054	9054	9054	65.004	-7.684	0.064	-0.297	5.362	773.189	1
9054_9055	9054	9055	28.067	2.101	0.111	-0.235	3.12	494.078	1
9055_9055	9055	9055	57.209	-7.951	0.065	-0.397	6.172	866.27	1
9055_9056	9055	9056	17.856	-2.435	0.002	-0.095	1.78	323.643	1
9056_9056	9056	9056	25.083	20.731	-0.037	-0.393	3.195	464.557	1
9056_9057	9056	9057	115.948	-27.091	-0.472	-0.154	10.252	563.454	1
9057_9057	9057	9057	3.814	14.365	-0.128	-0.218	5.251	350.537	1
9057_9058	9057	9058	119.757	-24.524	-0.421	0.135	5.337	619.156	1
9058_9058	9058	9058	-15.319	6.644	-0.234	-0.078	6.909	292.922	1
9058_9059	9058	9059	122.547	-21.733	-0.41	0.346	1.654	664.607	1
9059_9059	9059	9059	-17.581	3.511	-0.159	-0.277	5.72	268.054	1
9059_9060	9059	9060	124.799	-19.703	-0.042	-0.187	0.981	704.654	1
9060_9060	9060	9060	-17.264	2.631	-0.149	-0.201	4.573	251.46	1
9060_9061	9060	9061	125.889	-16.452	-0.042	0.066	0.365	733.135	1
9061_9061	9061	9061	-17.026	2.213	-0.147	-0.194	3.432	238.411	1
9061_9062	9061	9062	126.145	-12.932	-0.033	0.135	-0.109	750.873	1
9062_9062	9062	9062	-16.435	1.645	-0.112	-0.251	2.305	227.478	1
9062_9063	9062	9063	126.416	-12.421	-0.008	-0.126	-0.233	762.403	1
9063_9063	9063	9063	-16.022	1.488	-0.121	-0.323	1.664	221.142	1
9063_9064	9063	9064	125.212	-24.309	0.016	-0.151	-0.354	766.171	1
9064_9064	9064	9064	-14.251	-1.183	0.118	0.315	0.342	222.83	1
9064_9065	9064	9065	125.094	-21.554	0.006	0.376	-0.311	761.557	1
9065_9065	9065	9065	-15.838	-1.384	0.11	0.253	1.012	227.895	1
9065_9066	9065	9066	124.333	-18.924	0.014	0.192	-0.201	749.22	1
9066_9066	9066	9066	-16.804	-1.827	0.14	0.171	1.644	233.443	1
9066_9067	9066	9067	123.456	-17.548	0.044	-0.127	0.246	730.481	1
9067_9067	9067	9067	-18.255	-2.206	0.149	0.238	2.713	243.624	1
9067_9068	9067	9068	121.849	-14.313	0.045	0.116	0.789	701.473	1
9068_9068	9068	9068	-18.753	-2.589	0.15	0.244	3.863	256.061	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9068_9069	9068	9069	119.135	-11.343	0.051	0.176	1.437	661.052	1
9069_9069	9069	9069	-19.7	-3.669	0.27	0.107	4.944	272.156	1
9069_9070	9069	9070	116.095	-9.604	0.432	-0.182	5.101	616.353	1
9070_9070	9070	9070	-18.618	-6.538	0.256	0.134	6.363	297.418	1
9070_9071	9070	9071	112.081	-7.071	0.443	-0.104	8.969	564.142	1
9071_9071	9071	9071	0.387	-14.506	0.166	0.333	5.613	361.012	1
9071_9072	9071	9072	106.7	-4.383	0.508	0.197	15.768	494.707	1
9072_9072	9072	9072	45.198	8.317	-0.067	0.332	6.323	985.509	1
9072_9073	9072	9073	20.238	-36.663	-0.118	0.243	3.024	498.152	1
9073_9073	9073	9073	54.145	7.859	-0.064	0.404	5.519	884.833	1
9073_9074	9073	9074	44.034	-33.178	-0.177	0.381	0.954	673.204	1
9074_9074	9074	9074	62.699	7.364	0.013	0.12	4.8	792.143	1
9074_9075	9074	9075	73.75	-29.993	0.114	0.184	1.882	834.608	1
9075_9075	9075	9075	76.732	7.006	0.011	0.155	3.644	663.033	1
9075_9076	9075	9076	110.297	-26.336	0.101	0.327	2.406	900.328	1
9076_9076	9076	9076	76.936	6.858	0.008	0.031	3.779	598.276	1
9076_9077	9076	9077	124.123	-42.322	0.062	0.235	2.937	986.209	1
9077_9077	9077	9077	67.905	7.008	0.011	0.027	5.398	567.547	1
9077_9078	9077	9078	132.259	-37.008	0.09	0.534	5.437	1137.69	1
9078_9078	9078	9078	60.091	6.757	-0.037	-0.063	5.582	506.443	1
9078_9079	9078	9079	145.594	-35.602	-0.044	0.257	5.039	1237.2	1
9079_9079	9079	9079	53.697	6.757	-0.036	0.017	5.167	458.485	1
9079_9080	9079	9080	154.537	-31.098	-0.047	0.556	4.538	1302.71	1
9080_9080	9080	9080	47.298	6.543	-0.03	-0.069	4.763	410.488	1
9080_9081	9080	9081	162.545	-30.269	-0.015	0.247	4.407	1360.461	1
9081_9081	9081	9081	41.102	6.543	-0.03	-0.069	4.431	364.013	1
9081_9082	9081	9082	165.795	-25.774	-0.02	0.342	4.202	1381.931	1
9082_9082	9082	9082	34.906	6.4	-0.028	-0.122	4.099	317.539	1
9082_9083	9082	9083	168.236	-24.88	0.001	0.012	4.255	1396.67	1
9083_9083	9083	9083	28.812	6.392	-0.027	-0.082	3.78	268.713	1
9083_9084	9083	9084	165.216	-3.858	0.002	0.11	4.273	1377.456	1
9084_9084	9084	9084	38.947	-6.082	0.036	0.034	3.972	313.188	1
9084_9085	9084	9085	162.261	-3.363	0.015	-0.354	4.455	1351.966	1
9085_9085	9085	9085	44.493	-6.091	0.036	0.093	4.361	356.403	1
9085_9086	9085	9086	154.604	1.185	0.014	-0.027	4.587	1290.822	1
9086_9086	9086	9086	50.259	-6.262	0.04	-0.018	4.768	399.654	1
9086_9087	9086	9087	145.999	1.96	0.043	-0.463	5.085	1222.105	1
9087_9087	9087	9087	56.171	-6.263	0.04	0.052	5.209	444.167	1
9087_9088	9087	9088	133.074	6.46	0.041	-0.167	5.474	1120.393	1
9088_9088	9088	9088	62.101	-6.542	0.014	-0.037	5.657	488.641	1
9088_9089	9088	9089	119.293	-8.594	-0.057	-0.231	4.249	993.189	1
9089_9089	9089	9089	68.425	-6.405	0.012	-0.036	5.175	568.771	1
9089_9090	9089	9090	103.771	-5.713	-0.047	-0.076	3.294	947.921	1
9090_9090	9090	9090	71.288	-6.336	-0.002	-0.153	5.276	606.785	1
9090_9091	9090	9091	79.906	-3.837	-0.099	-0.327	2.078	821.59	1
9091_9091	9091	9091	69.169	-6.348	-0.003	-0.196	6.544	675.957	1
9091_9092	9091	9092	48.943	-0.214	-0.093	-0.121	1.588	664.33	1
9092_9092	9092	9092	63.103	-6.571	0.092	-0.399	6.5	755.405	1
9092_9093	9092	9093	25.939	2.491	0.152	-0.289	4.082	484.214	1
9093_9093	9093	9093	55.061	-6.792	0.094	-0.275	7.662	838.298	1
9093_9094	9093	9094	8.725	5.373	0.09	-0.128	4.786	278.013	1
9094_9094	9094	9094	24.852	20.681	-0.04	-0.341	3.638	466.561	1
9094_9095	9094	9095	115.209	-27.175	-0.546	-0.101	11.646	564.49	1
9095_9095	9095	9095	2.747	14.342	-0.18	-0.211	7.49	358.612	1
9095_9096	9095	9096	115.622	-24.67	-0.608	0.169	7.509	634.23	1
9096_9096	9096	9096	-14.359	6.898	-0.34	-0.147	9.709	297.183	1
9096_9097	9096	9097	118.018	-21.844	-0.581	0.234	2.291	681.296	1
9097_9097	9097	9097	-16.263	3.598	-0.239	-0.279	8.053	270.918	1
9097_9098	9097	9098	120.006	-19.909	-0.057	-0.184	1.357	723.76	1
9098_9098	9098	9098	-15.754	2.616	-0.23	-0.206	6.354	254.55	1
9098_9099	9098	9099	120.92	-16.632	-0.056	0.064	0.521	754.311	1
9099_9099	9099	9099	-14.348	1.956	-0.228	-0.193	4.633	242.46	1
9099_9100	9099	9100	121.068	-13.078	-0.043	0.144	-0.105	773.797	1
9100_9100	9100	9100	-13.557	1.373	-0.196	-0.274	2.876	232.895	1
9100_9101	9100	9101	121.28	-12.663	-0.018	-0.205	-0.305	786.75	1
9101_9101	9101	9101	-17.983	-1.232	0.178	0.238	0.168	230.496	1
9101_9102	9101	9102	119.745	-24.529	0.017	0.036	-0.376	793.022	1
9102_9102	9102	9102	-18.255	-1.307	0.179	0.243	1.208	235.589	1
9102_9103	9102	9103	119.564	-21.737	0.023	0.094	-0.188	788.649	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9103_9103	9103	9103	-18.448	-1.381	0.195	0.327	2.261	241.245	1
9103_9104	9103	9104	118.806	-19.083	0.019	0.382	0.017	776.464	1
9104_9104	9104	9104	-19.947	-1.868	0.214	0.179	3.379	247.415	1
9104_9105	9104	9105	117.924	-17.779	0.059	-0.139	0.708	757.759	1
9105_9105	9105	9105	-20.227	-2.07	0.229	0.25	5.066	258.225	1
9105_9106	9105	9106	116.316	-14.482	0.062	0.125	1.559	727.938	1
9106_9106	9106	9106	-21.939	-2.64	0.232	0.257	6.826	271.075	1
9106_9107	9106	9107	113.615	-11.459	0.073	0.182	2.588	685.862	1
9107_9107	9107	9107	-22.942	-3.715	0.361	0.137	8.505	287.243	1
9107_9108	9107	9108	110.572	-9.699	0.605	-0.149	7.848	638.982	1
9108_9108	9108	9108	-22.065	-5.882	0.352	0.154	10.569	311.006	1
9108_9109	9108	9109	106.501	-7.099	0.622	-0.074	13.392	583.664	1
9109_9109	9109	9109	-2.12	-13.976	0.179	0.271	7.254	360.645	1
9109_9110	9109	9110	103.637	-4.322	0.568	0.141	18.385	498.607	1
9110_9110	9110	9110	43.393	8.926	-0.098	0.368	9.308	1000.198	1
9110_9111	9110	9111	18.865	-36.111	-0.162	0.253	4.624	507.497	1
9111_9111	9111	9111	51.754	8.462	-0.095	0.379	8.056	893.737	1
9111_9112	9111	9112	41.542	-32.497	-0.231	0.341	2.122	677.825	1
9112_9112	9112	9112	59.494	7.924	-0.005	0.197	6.864	795.372	1
9112_9113	9112	9113	69.557	-29.281	0.113	0.25	3.134	832.63	1
9113_9113	9113	9113	66.908	7.593	-0.003	0.165	5.439	693.924	1
9113_9114	9113	9114	94.225	-25.562	0.106	0.458	3.636	934.478	1
9114_9114	9114	9114	66.628	7.45	-0.018	0.065	5.408	623.031	1
9114_9115	9114	9115	106.454	-24.777	0.035	0.213	4.003	1014.068	1
9115_9115	9115	9115	70.705	7.445	-0.015	0.009	4.379	522.211	1
9115_9116	9115	9116	133.445	-19.44	0.032	0.21	3.865	1013.252	1
9116_9116	9116	9116	61.298	7.138	-0.034	-0.07	4.174	460.45	1
9116_9117	9116	9117	142.882	-34.4	-0.038	0.105	3.65	1089.751	1
9117_9117	9117	9117	53.957	7.138	-0.033	0.027	3.789	412.249	1
9117_9118	9117	9118	150.243	-29.77	-0.036	0.41	3.249	1139.825	1
9118_9118	9118	9118	46.609	6.965	-0.031	-0.092	3.426	364.007	1
9118_9119	9118	9119	156.747	-28.951	-0.029	0.009	2.921	1183.341	1
9119_9119	9119	9119	39.941	6.954	-0.029	-0.017	3.106	316.993	1
9119_9120	9119	9120	158.653	-8.584	-0.025	0.206	2.67	1194.872	1
9120_9120	9120	9120	32.784	6.807	-0.03	-0.099	2.779	270	1
9120_9121	9120	9121	159.89	-7.89	-0.015	-0.219	2.475	1203.957	1
9121_9121	9121	9121	25.262	6.807	-0.029	-0.05	2.415	220.62	1
9121_9122	9121	9122	155.298	-2.839	-0.012	0.12	2.291	1173.934	1
9122_9122	9122	9122	20.002	-4.363	0.008	-0.003	1.828	188.516	1
9122_9123	9122	9123	150.1	-2.373	-0.01	-0.38	2.174	1139.235	1
9123_9123	9123	9123	24.493	-4.363	0.011	0.073	1.922	218.002	1
9123_9124	9123	9124	139.881	2.315	-0.004	0.087	2.109	1071.002	1
9124_9124	9124	9124	28.984	-4.531	0.011	-0.018	2.049	247.488	1
9124_9125	9124	9125	128.968	2.951	0.01	-0.364	2.24	997.408	1
9125_9125	9125	9125	33.644	-4.531	0.013	0.047	2.172	278.082	1
9125_9126	9125	9126	113.493	7.571	0.013	-0.058	2.355	892.926	1
9126_9126	9126	9126	38.141	-4.748	-0.005	-0.031	2.293	308.737	1
9126_9127	9126	9127	99.039	-7.139	-0.053	-0.172	1.472	776.275	1
9127_9127	9127	9127	45.62	-4.716	-0.003	0.006	1.997	352.061	1
9127_9128	9127	9128	88.288	-4.361	-0.043	0.004	0.977	706.11	1
9128_9128	9128	9128	48.121	-4.977	-0.016	-0.079	1.969	378.102	1
9128_9129	9128	9129	64.747	-2.952	-0.093	-0.157	-0.036	597.51	1
9129_9129	9129	9129	42.606	-5.328	-0.018	-0.061	2.174	454.044	1
9129_9130	9129	9130	31.154	0.311	-0.086	-0.025	-0.846	492.08	1
9130_9130	9130	9130	81.377	-24.358	-0.122	0.348	1.501	569.638	1
9130_9131	9130	9131	11.835	2.857	0.157	-0.147	1.768	331.686	1
9131_9131	9131	9131	90.758	-28.741	-0.168	0.576	-0.273	824.889	1
9131_9132	9131	9132	29.848	-5.457	0.031	0.061	1.9	339.901	1
9132_9132	9132	9132	31.856	24.51	0.103	-0.246	-1.45	440.46	1
9132_9133	9132	9133	105.743	-29.54	-0.446	0.018	7.113	451.251	1
9133_9133	9133	9133	14.625	19.099	0.025	-0.194	0.77	287.443	1
9133_9134	9133	9134	112.872	-26.693	-0.395	0.064	3.153	507.587	1
9134_9134	9134	9134	-6.153	2.161	0.159	0.179	-2.231	253.175	1
9134_9135	9134	9135	117.46	-23.696	-0.393	0.182	-0.134	562.623	1
9135_9135	9135	9135	-7.676	1.963	0.064	0.104	-0.998	242.523	1
9135_9136	9135	9136	121.164	-21.198	0	-0.072	-0.27	610.57	1
9136_9136	9136	9136	-9.104	1.963	0.071	0.139	-0.484	232.528	1
9136_9137	9136	9137	123.325	-17.694	-0.001	0.059	-0.373	645.857	1
9137_9137	9137	9137	-11.824	1.909	0.072	0.142	0.047	222.768	1

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9137_9138	9137	9138	124.288	-13.901	0.003	0.1	-0.387	669.326	1
9138_9138	9138	9138	-14.214	1.552	0.049	0.062	0.606	213.245	1
9138_9139	9138	9139	122.115	-26.834	0.013	-0.05	-0.223	686.902	1
9139_9139	9139	9139	-15.895	1.496	0.059	0.105	0.887	207.336	1
9139_9140	9139	9140	123.02	-23.763	0.008	0.114	-0.132	694.289	1
9140_9140	9140	9140	-17.51	1.44	0.059	0.106	1.226	201.806	1
9140_9141	9140	9141	122.463	-20.758	0.008	0.141	-0.036	689.66	1
9141_9141	9141	9141	-19.484	1.336	0.049	0.069	1.56	196.44	1
9141_9142	9141	9142	121.01	-17.896	0.013	0.034	0.087	676.5	1
9142_9142	9142	9142	-21.49	0.998	0.077	0.074	1.832	191.576	1
9142_9143	9142	9143	119.005	-16.34	0.014	0.006	0.285	655.564	1
9143_9143	9143	9143	-24.27	0.714	0.071	0.049	2.41	187.226	1
9143_9144	9143	9144	115.773	-12.822	0.021	-0.049	0.585	622.319	1
9144_9144	9144	9144	3.472	-2.244	-0.067	-0.098	-1.462	194.199	1
9144_9145	9144	9145	110.993	-9.589	0.02	0.078	0.908	576.096	1
9145_9145	9145	9145	6.483	-2.559	-0.144	-0.133	-1.931	205.743	1
9145_9146	9145	9146	105.463	-7.427	0.325	-0.081	3.637	523.233	1
9146_9146	9146	9146	-11.008	-11.737	0.068	0.082	2.59	227.446	1
9146_9147	9146	9147	98.661	-4.678	0.336	-0.117	6.51	461.811	1
9147_9147	9147	9147	3.311	-16.68	0.025	0.246	1.946	315.901	1
9147_9148	9147	9148	88.581	-1.767	0.354	0.088	10.593	385.764	1
9148_9148	9148	9148	103.471	30.657	0.225	-0.643	-4.648	961.973	1
9148_9149	9148	9149	5.848	-35.236	-0.094	0.198	1.891	400.917	1
9149_9149	9149	9149	32.262	9.265	-0.053	0.145	3.341	726.943	1
9149_9150	9149	9150	25.057	-31.712	-0.148	0.211	0.075	548.802	1
9150_9150	9150	9150	37.855	8.442	0.006	0.176	2.686	628.612	1
9150_9151	9150	9151	48.89	-28.491	0.091	0.283	0.647	679.998	1
9151_9151	9151	9151	48.311	7.565	0.003	0.006	2.256	498.264	1
9151_9152	9151	9152	79.291	-25.031	0.082	0.128	1.285	718.656	1
9152_9152	9152	9152	46.376	7.163	-0.008	0.026	2.294	434.217	1
9152_9153	9152	9153	90.743	-24.328	0.036	0.11	1.538	782.464	1
9153_9153	9153	9153	45.699	7.006	-0.008	-0.015	1.899	378.509	1
9153_9154	9153	9154	109.414	-19.052	0.034	0.076	1.748	833.502	1
9154_9154	9154	9154	35.953	6.831	-0.013	-0.029	1.792	321.154	1
9154_9155	9154	9155	118.001	-17.616	-0.006	-0.008	1.714	893.42	1
9155_9155	9155	9155	28.534	6.828	-0.011	-0.012	1.664	276.422	1
9155_9156	9155	9156	123.195	-12.936	-0.002	0.086	1.695	930.418	1
9156_9156	9156	9156	20.936	6.737	-0.014	-0.037	1.541	231.707	1
9156_9157	9156	9157	126.865	-11.993	-0.007	-0.056	1.647	955.959	1
9157_9157	9157	9157	14.121	6.737	-0.012	-0.024	1.399	191.597	1
9157_9158	9157	9158	126.814	-7.609	-0.002	0.045	1.634	957.672	1
9158_9158	9158	9158	7.306	6.694	-0.012	-0.04	1.275	151.486	1
9158_9159	9158	9159	126.049	-6.635	0	-0.097	1.655	953.516	1
9159_9159	9159	9159	13.711	-5.996	0.013	0.032	1.39	174.753	1
9159_9160	9159	9160	123.186	-17.379	0.007	0.078	1.749	925.991	1
9160_9160	9160	9160	19.777	-6.084	0.01	0.015	1.519	210.453	1
9160_9161	9160	9161	117.789	-15.907	0.002	-0.027	1.768	886.625	1
9161_9161	9161	9161	26.541	-6.084	0.01	0.015	1.628	250.261	1
9161_9162	9161	9162	108.896	-11.571	0.002	0.007	1.766	823.993	1
9162_9162	9162	9162	33.311	-6.265	0.003	0.015	1.737	290.104	1
9162_9163	9162	9163	96.751	-9.144	-0.034	-0.023	1.263	736.386	1
9163_9163	9163	9163	39.544	-6.38	0.002	-0.037	1.948	353.816	1
9163_9164	9163	9164	80.033	-6.387	-0.037	-0.088	1.097	697.388	1
9164_9164	9164	9164	43.355	-6.687	-0.008	-0.012	1.963	388.046	1
9164_9165	9164	9165	59.415	-4.59	-0.07	-0.066	0.378	605.549	1
9165_9165	9165	9165	41.114	-7.301	-0.01	-0.128	2.083	466.534	1
9165_9166	9165	9166	29.463	-1.353	-0.061	-0.102	-0.074	506.19	1
9166_9166	9166	9166	38.168	-7.971	0.042	-0.145	1.945	545.64	1
9166_9167	9166	9167	10.156	1.404	0.078	-0.123	1.485	361.232	1
9167_9167	9167	9167	101.934	-24.286	-0.155	0.43	-1.096	697.151	1
9167_9168	9167	9168	41.395	-3.545	0.008	0.057	0.295	294.23	1
9168_9168	9168	9168	33.608	24.59	0.05	-0.24	-0.604	434.497	1
9168_9169	9168	9169	100.932	-29.392	-0.307	0.002	5.819	446.33	1
9169_9169	9169	9169	12.897	18.692	0	-0.128	0.868	290.169	1
9169_9170	9169	9170	108.912	-26.614	-0.249	0.152	2.595	501.877	1
9170_9170	9170	9170	9.739	2.419	0.109	0.111	-1.989	214.894	1
9170_9171	9170	9171	114.739	-23.639	-0.237	0.12	0.56	553.981	1
9171_9171	9171	9171	7.96	2.165	0.053	0.102	-1.145	203.269	1
9171_9172	9171	9172	119.76	-21.22	-0.021	0.022	0.271	599.776	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9172_9172	9172	9172	4.91	2.099	0.052	0.078	-0.756	192.753	1
9172_9173	9172	9173	123.162	-17.75	-0.015	-0.026	0.054	633.231	1
9173_9173	9173	9173	3.316	2.099	0.055	0.103	-0.343	182.34	1
9173_9174	9173	9174	125.351	-13.991	-0.014	0.098	-0.125	655.518	1
9174_9174	9174	9174	-0.796	1.647	0.042	0.07	0.058	172.076	1
9174_9175	9174	9175	126.773	-13.181	-0.003	-0.038	-0.155	668.906	1
9175_9175	9175	9175	-1.736	1.647	0.038	0.039	0.311	165.948	1
9175_9176	9175	9176	127.249	-10.206	0.001	-0.144	-0.157	674.144	1
9176_9176	9176	9176	-4.401	1.488	0.043	0.071	0.516	159.985	1
9176_9177	9176	9177	128.386	-20.768	0.002	0.107	-0.124	668.479	1
9177_9177	9177	9177	-12.394	-1.08	-0.035	-0.059	0.234	160.994	1
9177_9178	9177	9178	127.527	-17.941	0.002	0.126	-0.097	655.16	1
9178_9178	9178	9178	-11.778	-1.366	-0.055	-0.113	0.023	165.01	1
9178_9179	9178	9179	126.037	-16.181	0.021	-0.067	0.109	632.747	1
9179_9179	9179	9179	-8.276	-1.499	-0.049	-0.084	-0.364	172.17	1
9179_9180	9179	9180	123.333	-12.725	0.021	0.058	0.351	599.371	1
9180_9180	9180	9180	-7.078	-1.502	-0.053	-0.109	-0.752	179.618	1
9180_9181	9180	9181	119.011	-9.558	0.027	0.013	0.669	553.853	1
9181_9181	9181	9181	-5.937	-1.772	-0.113	-0.119	-1.174	187.07	1
9181_9182	9181	9182	113.86	-7.336	0.24	-0.098	2.669	502.109	1
9182_9182	9182	9182	0.448	-13.805	0.039	0.124	1.451	212.207	1
9182_9183	9182	9183	107.464	-4.662	0.245	-0.055	4.742	442.948	1
9183_9183	9183	9183	14.3	-18.749	-0.002	0.154	0.997	299.8	1
9183_9184	9183	9184	99.063	-1.844	0.289	-0.004	8.446	365.522	1
9184_9184	9184	9184	95.622	33.509	0.175	-0.536	-3.186	961.699	1
9184_9185	9184	9185	11.078	-36.747	-0.073	0.146	1.425	344.958	1
9185_9185	9185	9185	87.637	30.332	0.152	-0.328	-0.915	667.603	1
9185_9186	9185	9186	33.16	-33.313	-0.115	0.189	-0.049	499.477	1
9186_9186	9186	9186	44.635	6.375	0.011	0.104	1.934	525.365	1
9186_9187	9186	9187	61.017	-29.847	0.078	0.177	0.433	640.296	1
9187_9187	9187	9187	51.701	5.979	0.009	0.02	1.857	435.668	1
9187_9188	9187	9188	90.635	-26.252	0.08	0.138	1.099	714.936	1
9188_9188	9188	9188	50.571	5.838	-0.006	0.022	1.973	384.099	1
9188_9189	9188	9189	104.429	-25.097	0.039	0.11	1.364	787.947	1
9189_9189	9189	9189	48.005	5.873	-0.006	-0.016	1.794	358.049	1
9189_9190	9189	9190	121.293	-19.857	0.042	0.096	1.798	904.81	1
9190_9190	9190	9190	40.26	5.718	-0.008	-0.015	1.73	307.979	1
9190_9191	9190	9191	131.641	-33.43	0.011	0.18	1.905	985.322	1
9191_9191	9191	9191	34.057	5.718	-0.009	-0.033	1.641	268.977	1
9191_9192	9191	9192	138.943	-28.618	0.009	0.168	1.992	1032.267	1
9192_9192	9192	9192	27.854	5.631	-0.009	-0.046	1.544	229.976	1
9192_9193	9192	9193	144.192	-27.284	0.008	0.045	2.053	1064.9	1
9193_9193	9193	9193	22.329	5.631	-0.008	-0.031	1.451	195.234	1
9193_9194	9193	9194	145.174	-22.982	0.011	0.167	2.154	1069.489	1
9194_9194	9194	9194	22.291	-6.206	0.017	0.03	1.6	185.558	1
9194_9195	9194	9195	144.997	-21.692	0.01	-0.022	2.237	1065.532	1
9195_9195	9195	9195	28.381	-6.206	0.017	0.047	1.767	223.849	1
9195_9196	9195	9196	141.107	-17.565	0.013	0.099	2.343	1036.769	1
9196_9196	9196	9196	34.465	-6.36	0.013	0.01	1.941	262.101	1
9196_9197	9196	9197	135.184	-15.872	0.002	-0.08	2.338	993.251	1
9197_9197	9197	9197	41.101	-6.37	0.014	0.031	2.068	305.55	1
9197_9198	9197	9198	125.822	-11.637	0.005	0.033	2.346	926.064	1
9198_9198	9198	9198	48.012	-6.613	0.003	-0.009	2.22	349.003	1
9198_9199	9198	9199	112.562	-9.002	-0.043	-0.093	1.681	829.687	1
9199_9199	9199	9199	55.324	-6.553	0.004	-0.009	2.435	397.5	1
9199_9200	9199	9200	96.935	-6.164	-0.039	-0.046	1.489	747.427	1
9200_9200	9200	9200	59.156	-6.545	-0.01	-0.062	2.466	432.515	1
9200_9201	9200	9201	74.162	-3.901	-0.061	-0.147	0.846	650.331	1
9201_9201	9201	9201	54.308	-6.811	-0.016	-0.19	3.56	524.245	1
9201_9202	9201	9202	39.626	-0.658	-0.071	-0.153	0.663	559.239	1
9202_9202	9202	9202	50.43	-7.154	0.072	-0.186	3.285	601.595	1
9202_9203	9202	9203	18.677	2.156	0.105	-0.176	2.569	403.797	1
9203_9203	9203	9203	87.025	-27.205	-0.225	0.587	-2.982	692.954	1
9203_9204	9203	9204	15.675	-2.204	0.01	-0.133	1.917	269.246	1
9204_9204	9204	9204	31.75	23.508	0.007	-0.328	1.273	461.965	1
9204_9205	9204	9205	110.588	-27.947	-0.426	-0.028	9.022	496.5	1
9205_9205	9205	9205	12.131	17.765	-0.066	-0.166	3.078	326.672	1
9205_9206	9205	9206	116.379	-25.36	-0.38	0.175	4.751	559.819	1
9206_9206	9206	9206	-3.112	13.683	-0.122	-0.125	3.557	249.043	1

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9206_9207	9206	9207	120.36	-22.586	-0.365	0.221	1.508	606.624	1
9207_9207	9207	9207	-4.802	0.306	0.112	0.119	-2.943	201.154	1
9207_9208	9207	9208	123.586	-20.212	-0.059	-0.133	0.76	647.073	1
9208_9208	9208	9208	-6.451	0.219	0.12	0.152	-2.112	199.934	1
9208_9209	9208	9209	125.558	-16.949	-0.058	0.001	0.076	676.585	1
9209_9209	9209	9209	-6.672	0.214	0.126	0.181	-1.153	198.815	1
9209_9210	9209	9210	126.641	-13.41	-0.054	0.14	-0.506	696.278	1
9210_9210	9210	9210	-9.301	-0.354	0.083	0.055	-0.193	198.305	1
9210_9211	9210	9211	126.504	-27.231	0.014	-0.177	-0.512	711.149	1
9211_9211	9211	9211	-9.11	-0.354	0.091	0.093	0.304	199.663	1
9211_9212	9211	9212	128.002	-24.372	0.01	-0.014	-0.419	719.735	1
9212_9212	9212	9212	-10.628	-0.536	0.1	0.136	0.82	201.578	1
9212_9213	9212	9213	128.233	-21.572	0.006	0.144	-0.333	717.655	1
9213_9213	9213	9213	-12.35	-0.797	0.11	0.181	1.386	203.937	1
9213_9214	9213	9214	127.746	-18.907	0.001	0.288	-0.263	708.457	1
9214_9214	9214	9214	-13.794	-1.384	0.119	0.028	2.01	207.175	1
9214_9215	9214	9215	127.083	-17.387	0.073	-0.221	0.448	693.538	1
9215_9215	9215	9215	-14.736	-1.794	0.134	0.094	2.919	214.909	1
9215_9216	9215	9216	125.52	-14.142	0.069	0.01	1.22	669.078	1
9216_9216	9216	9216	-16.331	-2.799	0.151	0.17	3.882	225.635	1
9216_9217	9216	9217	122.692	-11.164	0.064	0.219	2	633.946	1
9217_9217	9217	9217	-15.999	-4.858	0.174	-0.042	4.78	243.075	1
9217_9218	9217	9218	119.423	-9.371	0.365	-0.336	5.152	594.591	1
9218_9218	9218	9218	-4.603	-11.393	0.133	0.138	4.313	280.745	1
9218_9219	9218	9219	115.148	-6.855	0.351	-0.036	8.243	548.927	1
9219_9219	9219	9219	9.725	-15.732	0.079	0.266	3.763	356.69	1
9219_9220	9219	9220	109.102	-4.186	0.359	0.121	12.287	476.983	1
9220_9220	9220	9220	55.817	9.871	-0.028	0.137	5.548	955.409	1
9220_9221	9220	9221	27.097	-35.196	-0.071	0.123	2.816	504.294	1
9221_9221	9221	9221	63.925	9.597	-0.026	0.369	5.233	842.427	1
9221_9222	9221	9222	52.1	-31.425	-0.113	0.326	1.551	661.615	1
9222_9222	9222	9222	70.478	9.204	-0.013	-0.046	4.926	736.639	1
9222_9223	9222	9223	81.804	-27.658	0.064	-0.055	1.966	798.709	1
9223_9223	9223	9223	81.313	9.039	-0.007	0.176	3.124	595.013	1
9223_9224	9223	9224	116.123	-23.583	0.056	0.324	1.792	836.167	1
9224_9224	9224	9224	78.421	8.988	-0.021	-0.09	3.042	518.701	1
9224_9225	9224	9225	128.825	-21.899	0.02	-0.127	1.967	897.857	1
9225_9225	9225	9225	68.931	9.228	-0.022	0.049	3.129	500.622	1
9225_9226	9225	9226	130.472	-31.681	0.038	0.401	2.658	1045.034	1
9226_9226	9226	9226	56.738	8.904	-0.023	-0.126	2.81	415.822	1
9226_9227	9226	9227	137.308	-28.715	-0.009	-0.069	2.565	1095.789	1
9227_9227	9227	9227	47.723	8.897	-0.023	-0.003	2.554	351.591	1
9227_9228	9227	9228	138.886	-23.723	-0.005	0.349	2.487	1107.666	1
9228_9228	9228	9228	38.566	8.702	-0.028	-0.121	2.295	287.372	1
9228_9229	9228	9229	138.129	-21.402	-0.011	-0.176	2.352	1101.093	1
9229_9229	9229	9229	39.671	-8.339	0.006	0.111	1.893	316.539	1
9229_9230	9229	9230	132.989	-16.685	-0.007	0.243	2.22	1061.338	1
9230_9230	9230	9230	48.321	-8.759	0.01	-0.093	1.964	376.705	1
9230_9231	9230	9231	125.729	-14.252	-0.021	-0.307	1.909	1003.783	1
9231_9231	9231	9231	57.948	-8.759	0.011	0.043	2.079	443.665	1
9231_9232	9231	9232	117.979	-10.922	-0.016	0.03	1.742	942.69	1
9232_9232	9232	9232	64.395	-8.7	0.021	0.198	3.56	497.313	1
9232_9233	9232	9233	112.803	-9.773	-0.013	0.35	2.81	925.387	1
9233_9233	9233	9233	66.62	-9.053	-0.015	-0.173	3.62	514.891	1
9233_9234	9233	9234	98.234	-8.13	-0.132	-0.29	1.597	854.59	1
9234_9234	9234	9234	70.746	-8.88	-0.015	-0.07	3.399	575.69	1
9234_9235	9234	9235	83.65	-5.684	-0.113	-0.066	0.904	793.154	1
9235_9235	9235	9235	59.82	-9.245	-0.018	0.213	5.091	689.284	1
9235_9236	9235	9236	56.732	-4.339	-0.144	0.326	0.824	810.874	1
9236_9236	9236	9236	58.973	-9.505	-0.171	-0.505	4.933	737.75	1
9236_9237	9236	9237	39.437	-2.201	-0.28	-0.328	-1.236	698.166	1
9237_9237	9237	9237	55.766	-9.646	-0.165	0.101	3.301	819.803	1
9237_9238	9237	9238	24.983	0.095	-0.282	0.319	-3.41	576.349	1
9238_9238	9238	9238	51.479	-11.617	0.23	-0.848	1.645	901.244	1
9238_9239	9238	9239	14.718	-1.238	0.495	-0.886	1.272	462.771	1
9239_9239	9239	9239	47.223	-11.87	0.233	-0.531	3.712	994.079	1
9239_9240	9239	9240	10.731	-0.271	0.467	-0.707	3.015	406.493	1
9240_9240	9240	9240	13.657	19.269	0.176	0.049	4.318	535.682	1
9240_9241	9240	9241	121.785	-19.332	0.361	1.939	14.573	650.078	1

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9241_9241	9241	9241	1.964	16.329	-0.264	-0.62	7.06	453.572	1
9241_9242	9241	9242	122.764	-24.415	-0.333	-0.654	13.257	666.665	1
9242_9242	9242	9242	-1.712	15.63	-0.238	-0.424	6.321	413.438	1
9242_9243	9242	9243	125.629	-20.222	-0.285	-0.265	7.981	720.79	1
9243_9243	9243	9243	-20.121	9.058	-0.269	-0.23	6.588	306.909	1
9243_9244	9243	9244	125.465	-16.989	-0.267	0.179	5.214	742.86	1
9244_9244	9244	9244	-22.913	5.803	-0.201	-0.408	5.006	260.954	1
9244_9245	9244	9245	127.518	-16.97	-0.372	-0.398	1.308	784.025	1
9245_9245	9245	9245	-20.454	3.751	-0.182	-0.242	3.166	227.073	1
9245_9246	9245	9246	128.362	-13.316	-0.402	0.115	-2.584	806.297	1
9246_9246	9246	9246	-20.01	3.078	-0.121	-0.345	1.555	204.926	1
9246_9247	9246	9247	129.327	-25.727	0.022	-0.128	-2.238	824.247	1
9247_9247	9247	9247	-22.716	-2.8	0.113	0.35	0.252	202.875	1
9247_9248	9247	9248	130.376	-21.865	-0.011	0.455	-2.137	824.215	1
9248_9248	9248	9248	-23.098	-3.507	0.181	0.17	1.214	221.958	1
9248_9249	9248	9249	130.783	-19.324	0.124	-0.144	-0.668	813.297	1
9249_9249	9249	9249	-24.335	-4.431	0.211	0.314	2.852	247.695	1
9249_9250	9249	9250	130.247	-15.536	0.107	0.309	0.874	787.174	1
9250_9250	9250	9250	-22.913	-5.637	0.367	0.116	4.908	281.413	1
9250_9251	9250	9251	129.227	-13.382	0.591	-0.122	7.31	754.901	1
9251_9251	9251	9251	-20.444	-8.048	0.384	0.31	8.031	327.537	1
9251_9252	9251	9252	126.576	-10.256	0.565	0.303	13.448	707.219	1
9252_9252	9252	9252	-8.797	-13.11	-0.331	-1.108	9.001	394.853	1
9252_9253	9252	9253	126.219	-12.459	-0.516	-2.106	11.979	695.434	1
9253_9253	9253	9253	-3.616	-14.162	-0.275	-0.853	6.987	424.963	1
9253_9254	9253	9254	124.947	-9.525	-0.536	-1.802	6.783	655.288	1
9254_9254	9254	9254	51.805	15.216	-0.835	2.276	5.388	1099.268	1
9254_9255	9254	9255	25.437	-28.065	-1.176	2.18	-10.445	581.032	1
9255_9255	9255	9255	55.822	10.336	0.473	-0.236	-4.264	945.517	1
9255_9256	9255	9256	42.342	-31.127	0.674	-0.263	-3.039	714.006	1
9256_9256	9256	9256	61.025	10.197	0.477	0.434	0.734	847.568	1
9256_9257	9256	9257	62.185	-27.592	0.679	0.52	4.506	825.974	1
9257_9257	9257	9257	64.44	9.614	0.003	-0.145	6.021	751.456	1
9257_9258	9257	9258	71.522	-28.732	-0.092	-0.257	4.151	875.27	1
9258_9258	9258	9258	77.179	9.3	0.003	0.012	3.888	647.911	1
9258_9259	9258	9259	107.475	-25.522	-0.06	0.033	2.092	877.243	1
9259_9259	9259	9259	75.274	9.538	0.005	0.105	3.916	577.19	1
9259_9260	9259	9260	117.728	-22.9	-0.056	0.243	1.705	926.545	1
9260_9260	9260	9260	71.387	9.295	-0.036	-0.212	3.955	533.093	1
9260_9261	9260	9261	121.745	-22.963	0.018	-0.361	1.777	951.685	1
9261_9261	9261	9261	71.52	9.357	-0.026	-0.079	2.907	483.434	1
9261_9262	9261	9262	136.375	-18.559	0.018	-0.062	1.607	967.062	1
9262_9262	9262	9262	61.365	9.357	-0.024	0.06	2.613	419.39	1
9262_9263	9262	9263	139.516	-30.343	0.022	0.356	2.072	1010.738	1
9263_9263	9263	9263	52.682	8.982	-0.013	-0.091	2.385	364.262	1
9263_9264	9263	9264	144.785	-27.432	0.005	-0.042	2.248	1049.034	1
9264_9264	9264	9264	42.692	8.982	-0.012	-0.034	2.235	301.261	1
9264_9265	9264	9265	144.589	-22.637	0.003	0.184	2.331	1050.63	1
9265_9265	9265	9265	32.998	-9.773	0.001	-0.009	1.859	286.882	1
9265_9266	9265	9266	142.528	-19.978	-0.006	-0.118	2.275	1037.725	1
9266_9266	9266	9266	43.887	-9.773	0.004	0.054	1.874	355.557	1
9266_9267	9266	9267	136.059	-15.539	-0.006	0.095	2.176	994.285	1
9267_9267	9267	9267	54.347	-10.19	-0.01	-0.075	1.916	421.552	1
9267_9268	9267	9268	131.727	-14.918	-0.054	-0.215	1.797	964.251	1
9268_9268	9268	9268	60.801	-10.19	-0.009	-0.048	1.85	462.257	1
9268_9269	9268	9269	126.05	-12.444	-0.049	-0.134	1.466	924.628	1
9269_9269	9269	9269	61.555	-10.225	-0.009	0.021	2.437	548.599	1
9269_9270	9269	9270	102.85	-9.154	-0.055	0.034	1.512	938.123	1
9270_9270	9270	9270	68.049	-10.589	-0.029	-0.251	2.337	616.147	1
9270_9271	9270	9271	83.699	-7.137	-0.095	-0.324	0.723	859.992	1
9271_9271	9271	9271	59.337	-11.054	-0.042	-0.235	3.06	762.954	1
9271_9272	9271	9272	54.848	-5.195	-0.122	-0.222	0.572	858.028	1
9272_9272	9272	9272	58.1	-11.238	-0.035	0.132	2.741	838.066	1
9272_9273	9272	9273	45.393	-3.925	-0.101	0.19	0.426	800.468	1
9273_9273	9273	9273	56.504	-11.581	0.143	-0.681	2.493	887.871	1
9273_9274	9273	9274	25.879	-1.106	0.059	-0.46	1.963	651.432	1
9274_9274	9274	9274	50.847	-12.142	0.155	-0.06	4.268	1009.53	1
9274_9275	9274	9275	9.07	1.905	-0.015	0.051	1.501	451.495	1
9275_9275	9275	9275	10.51	17.417	-0.257	-0.332	9.587	543.45	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9275_9276	9275	9276	123.032	-24.961	-0.47	-0.025	15.099	689.905	1
9276_9276	9276	9276	0.932	15.358	-0.291	-0.181	9.793	488.432	1
9276_9277	9276	9277	124.085	-23.429	-0.463	0.163	12.341	712.088	1
9277_9277	9277	9277	-4.697	13.344	-0.287	0.028	8.771	426.932	1
9277_9278	9277	9278	125.619	-20.169	-0.397	0.44	6.486	729.341	1
9278_9278	9278	9278	-20.19	9.682	-0.198	-0.426	7.472	354.506	1
9278_9279	9278	9279	126.358	-17.988	-0.114	-0.419	4.23	759.936	1
9279_9279	9279	9279	-27.189	6.004	-0.151	-0.147	5.72	296.071	1
9279_9280	9279	9280	125.28	-13.427	-0.116	0.269	2.043	770.5	1
9280_9280	9280	9280	-29.27	4.652	-0.054	-0.38	3.975	253.182	1
9280_9281	9280	9281	125.541	-11.687	0.065	-0.457	2.274	783.613	1
9281_9281	9281	9281	-29.144	3.615	-0.004	-0.19	3.316	220.235	1
9281_9282	9281	9282	123.195	-6.527	0.053	0.228	2.494	765.519	1
9282_9282	9282	9282	-36.816	3.59	-0.37	-0.415	6.082	225.219	1
9282_9283	9282	9283	117.063	-19.423	0.035	-0.36	2.208	786.795	1
9283_9283	9283	9283	-30.336	-4.926	0.357	0.43	-1.658	237.978	1
9283_9284	9283	9284	118.019	-15.328	0.025	0.668	2.125	755.249	1
9284_9284	9284	9284	-29.83	-7.556	1.132	0.071	2.266	286.119	1
9284_9285	9284	9285	120.235	-14.817	0.944	-0.246	11.999	735.989	1
9285_9285	9285	9285	-24.645	-10.374	1.152	0.396	13.097	351.347	1
9285_9286	9285	9286	121.067	-11.781	0.98	0.401	22.359	704.836	1
9286_9286	9286	9286	-11.011	-15.83	-0.75	-0.425	19.507	437.156	1
9286_9287	9286	9287	121.91	-13.446	-0.982	-1.124	19.221	696.438	1
9287_9287	9287	9287	-7.266	-16.912	-0.736	-0.49	16.01	497.972	1
9287_9288	9287	9288	123.827	-10.826	-1.076	-1.262	11.288	687.785	1
9288_9288	9288	9288	48.722	14.395	-1.528	2.137	7.465	1193.579	1
9288_9289	9288	9289	25.336	-30.026	-1.821	2.028	-15.442	624.357	1
9289_9289	9289	9289	52.093	8.488	0.933	-0.359	-8.596	1056.579	1
9289_9290	9289	9290	44.549	-32.939	1.028	-0.322	-2.727	831.094	1
9290_9290	9290	9290	57.163	8.557	0.933	0.418	2.448	961.762	1
9290_9291	9290	9291	63.994	-47.805	0.932	0.707	9.483	1026.385	1
9291_9291	9291	9291	59.06	7.469	-0.213	-0.536	13.309	874.647	1
9291_9292	9291	9292	71.908	-49.421	-0.061	-0.544	9.277	1100.155	1
9292_9292	9292	9292	68.844	7.486	-0.145	-0.013	8.446	785.936	1
9292_9293	9292	9293	99.501	-46.23	-0.026	0.133	6.165	1146.944	1
9293_9293	9293	9293	66.651	7.612	-0.146	0.193	7.354	741.176	1
9293_9294	9293	9294	110.831	-43.26	-0.014	0.507	6.188	1267.586	1
9294_9294	9294	9294	62.844	6.567	-0.057	-0.484	6.185	698.772	1
9294_9295	9294	9295	116.675	-45.83	-0.161	-0.739	5.674	1332.875	1
9295_9295	9295	9295	52.215	6.621	-0.088	-0.115	9.173	730.923	1
9295_9296	9295	9296	110.672	-42.505	-0.256	0.171	6.49	1597.038	1
9296_9296	9296	9296	48.587	6.621	-0.087	0.363	8.282	680.715	1
9296_9297	9296	9297	118.71	-39.462	-0.261	1.279	4.478	1709.921	1
9297_9297	9297	9297	45.652	6.05	-0.055	-0.394	7.563	640.091	1
9297_9298	9297	9298	129.264	-38.285	-0.059	-0.629	4.085	1857.64	1
9298_9298	9298	9298	41.912	6.05	-0.055	0.208	6.928	588.331	1
9298_9299	9298	9299	136.199	-34.258	-0.075	1.265	3.361	1954.82	1
9299_9299	9299	9299	38.44	5.587	-0.068	-0.406	6.345	540.314	1
9299_9300	9299	9300	142.448	-33.751	-0.061	-0.944	2.725	2041.939	1
9300_9300	9300	9300	35.194	5.587	-0.067	0.075	5.615	495.395	1
9300_9301	9300	9301	145.803	-28.809	-0.073	1.034	1.736	2088.242	1
9301_9301	9301	9301	31.348	5.253	-0.077	-0.411	4.759	442.194	1
9301_9302	9301	9302	148.584	-10.714	-0.063	-1.488	1.235	2126.919	1
9302_9302	9302	9302	27.996	5.253	-0.076	0.054	3.847	395.823	1
9302_9303	9302	9303	148.094	-6.13	-0.069	1.068	0.132	2119.995	1
9303_9303	9303	9303	24.7	5.034	-0.072	-0.342	2.956	349.91	1
9303_9304	9303	9304	145.625	-4.895	-0.053	-1.412	-0.715	2084.599	1
9304_9304	9304	9304	21.298	5.034	-0.072	-0.037	2.048	302.842	1
9304_9305	9304	9305	139.308	-0.351	-0.056	0.732	-1.535	1995.017	1
9305_9305	9305	9305	18.398	4.97	-0.032	-0.361	1.256	261.532	1
9305_9306	9305	9306	130.797	1.103	-0.004	-1.864	-1.628	1873.837	1
9306_9306	9306	9306	15.444	4.97	-0.031	-0.09	0.905	220.649	1
9306_9307	9306	9307	115.61	6.656	-0.011	0.463	-1.842	1658.188	1
9307_9307	9307	9307	12.111	5.04	0.103	-0.272	0.514	174.243	1
9307_9308	9307	9308	96.918	15.493	0.093	-1.342	-0.68	1396.406	1
9308_9308	9308	9308	9.035	5.026	0.105	-0.17	1.743	129.722	1
9308_9309	9308	9309	73.907	21.074	0.07	-0.172	-0.092	1070.002	1
9309_9309	9309	9309	5.951	5.062	0.252	-0.207	2.977	85.96	1
9309_9310	9309	9310	44.751	25.662	0.163	-1.037	1.557	656.025	1

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9310_9310	9310	9310	3.345	4.866	0.27	-0.163	6.203	41.598	1
9310_9311	9310	9311	9.209	31.83	0.117	-0.273	2.248	151.325	1
9311_9311	9311	9311	4.311	-5.334	1.534	-0.854	-5.087	13.832	1
9311_9312	9311	9312	2.461	-5.175	2.307	-0.545	0	18.298	1
9400_9020	9400	9020	60.225	1.4	4.098	0.229	-60.234	215.23	1
9400_9401	9400	9401	-53.764	21.709	13.722	0.862	-42.131	592.01	1
9401_9401	9401	9401	61.106	1.444	3.184	-1.048	-43.764	209.722	1
9401_9402	9401	9402	-53.781	20.851	3.344	-1.427	-30.664	519.195	1
9402_9402	9402	9402	63.415	2.787	3.202	0.156	-33.877	204.952	1
9402_9403	9402	9403	-54.264	19.543	3.441	0.352	7.179	305.841	1
9403_9403	9403	9403	69.968	4.477	0.077	-0.214	1.442	175.806	1
9403_9404	9403	9404	-56.215	17.11	-0.494	-0.248	3.429	181.52	1
9404_9404	9404	9404	72.034	5.916	0.021	-0.179	2.173	144.253	1
9404_9405	9404	9405	-58.254	15.597	-0.465	-0.226	0.163	68.147	1
9405_9405	9405	9405	82.158	6.973	-0.156	-0.221	2.315	106.021	1
9405_9406	9405	9406	-55.838	-8.049	0.12	0.169	0.145	36.258	1
9406_9406	9406	9406	48.439	-8.92	-0.41	-0.083	0.649	172.493	1
9406_9407	9406	9407	-71.28	-11.309	2.149	0.267	19.309	133.645	1
9407_9407	9407	9407	46.772	-10.592	-0.061	0.193	0.922	266.184	1
9407_9408	9407	9408	-73.414	-12.959	2.197	-0.036	31.519	205.286	1
9408_9408	9408	9408	43.503	-20.43	-0.119	0.165	1.64	325.287	1
9408_9409	9408	9409	-78.766	3.294	-4.339	1.81	19.738	194.603	1
9409_9409	9409	9409	43.467	20.194	-0.033	-0.145	1.275	387.145	1
9409_9410	9409	9410	-81.303	-3.665	-3.241	-1.801	9.718	204.526	1
9410_9410	9410	9410	46.53	10.417	0.042	-0.321	1.306	326.366	1
9410_9411	9410	9411	-81.81	13.288	-0.882	0.042	5.795	129.875	1
9411_9411	9411	9411	46.288	11.053	-0.036	0.093	1.366	269.096	1
9411_9412	9411	9412	-69.42	10.563	-0.845	0.101	-0.539	29.126	1
9412_9412	9412	9412	46.488	11.171	-0.004	-0.065	0.577	177.427	1
9412_9413	9412	9413	-56.837	-12.737	0.081	0.259	-0.249	65.802	1
9413_9413	9413	9413	101.789	-5.477	0.256	-0.208	-0.892	101.226	1
9413_9414	9413	9414	-54.927	-15.526	0.428	0.19	3.154	176.011	1
9414_9414	9414	9414	98.352	-3.418	0.201	-0.119	1.143	141.678	1
9414_9415	9414	9415	-53.87	-16.857	0.462	0.243	6.418	297.357	1
9415_9415	9415	9415	96.672	-0.962	3.133	0.009	2.036	167.247	1
9415_9416	9415	9416	-54.191	-19.122	-3.419	-0.063	-30.624	506.11	1
9416_9416	9416	9416	92.818	1.116	3.046	-0.941	35.074	178.785	1
9416_9417	9416	9417	-53.7	-20.456	-3.443	0.442	-42.585	577.628	1
9417_9417	9417	9417	89.478	1.147	3.334	-0.009	44.083	175.218	1
9417_9036	9417	9036	-53.723	-21.385	-13.404	-0.799	-97.96	665.191	1
9420_9056	9420	9056	54.203	0.061	3.531	0.183	-49.647	147.225	1
9420_9421	9420	9421	-55.281	20.103	13.257	0.688	-27.552	525.126	1
9421_9421	9421	9421	56.638	-0.009	2.737	-0.691	-35.941	147.148	1
9421_9422	9421	9422	-55.265	19.141	2.34	-0.685	-19.254	458.349	1
9422_9422	9422	9422	56.624	1.35	2.692	0.058	-26.371	147.186	1
9422_9423	9422	9423	-55.706	17.811	2.38	0.138	6.833	263.839	1
9423_9423	9423	9423	64.031	2.869	-0.13	-0.193	3.427	135.042	1
9423_9424	9423	9424	-55.434	15.47	-0.516	-0.235	2.661	152.033	1
9424_9424	9424	9424	93.439	4.191	-0.031	0.205	-0.332	118.764	1
9424_9425	9424	9425	-58.86	13.819	-0.488	-0.181	-0.672	50.912	1
9425_9425	9425	9425	78.177	5.197	0.021	-0.197	1.224	90.484	1
9425_9426	9425	9426	-49.088	-6.011	-0.038	0.145	-1.432	22.968	1
9426_9426	9426	9426	50.142	-7.977	-0.264	-0.112	0.814	156.235	1
9426_9427	9426	9427	-76.481	-9.721	-0.341	-0.155	-3.381	101.908	1
9427_9427	9427	9427	48.636	-8.78	-0.083	0.258	0.743	237.753	1
9427_9428	9427	9428	-78.786	-11.431	-0.288	0.047	-5.413	164.981	1
9428_9428	9428	9428	45.842	-18.957	0.153	0.118	0.615	287.426	1
9428_9429	9428	9429	-72.434	4.148	3.085	0.47	3.698	152.102	1
9429_9429	9429	9429	45.832	19.051	0.09	-0.157	1.18	344.731	1
9429_9430	9429	9430	-74.737	-4.471	3.73	-0.404	14.43	164.924	1
9430_9430	9430	9430	48.834	8.962	-0.001	-0.208	1.316	287.459	1
9430_9431	9430	9431	-66.179	10.728	-1.048	-0.119	7.95	105.006	1
9431_9431	9431	9431	48.46	9.698	-0.033	0.012	1.056	238.156	1
9431_9432	9431	9432	-52.324	8.131	-1.076	-0.154	-0.793	25.816	1
9432_9432	9432	9432	48.546	9.769	0.034	-0.063	0.37	157.139	1
9432_9433	9432	9433	-58.009	-11.379	-0.035	0.232	-1.192	49.657	1
9433_9433	9433	9433	73.441	-2.661	0.244	0.184	1.167	90.951	1
9433_9434	9433	9434	-56.536	-14.115	0.482	0.192	2.666	150.232	1
9434_9434	9434	9434	67.332	-2.731	0.168	0.186	2.633	117.959	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9434_9435	9434	9435	-55.562	-15.494	0.506	0.211	6.257	261.927	1
9435_9435	9435	9435	61.704	-1.208	-3.19	-0.111	3.604	138.816	1
9435_9436	9435	9436	-56.503	-17.79	-2.384	-0.229	-19.209	456.093	1
9436_9436	9436	9436	56.97	-0.163	-3.048	0.865	-29.156	153.854	1
9436_9437	9436	9437	-56.051	-19.179	-2.3	0.993	-27.446	523.115	1
9437_9437	9437	9437	56.173	-0.158	-3.847	-0.213	-40.069	154.494	1
9437_9072	9437	9072	-56.077	-20.07	-13.284	-0.69	-81.731	605.286	1
9440_9094	9440	9094	50.872	0.27	3.74	0.206	-42.023	145.992	1
9440_9441	9440	9441	-56.212	19.854	12.924	0.77	-20.192	511.456	1
9441_9441	9441	9441	50.786	0.37	2.032	-0.526	-25.925	144.896	1
9441_9442	9441	9442	-56.167	18.868	1.771	-0.449	-13.87	445.587	1
9442_9442	9442	9442	52.665	1.497	2.098	-0.018	-19.563	144.078	1
9442_9443	9442	9443	-56.608	17.501	1.79	0.046	5.708	254.507	1
9443_9443	9443	9443	86.078	2.276	0.048	0.172	-1.026	131.71	1
9443_9444	9443	9444	-56.111	15.1	-0.431	-0.2	2.194	145.491	1
9444_9444	9444	9444	91.436	4.057	0.083	0.18	-0.836	116.583	1
9444_9445	9444	9445	-59.614	13.478	-0.46	-0.295	-1.004	46.765	1
9445_9445	9445	9445	90.245	6.683	-0.087	0.129	0.811	88.398	1
9445_9446	9445	9446	-45.38	-5.819	-0.064	0.166	-1.307	25.559	1
9446_9446	9446	9446	49.357	-7.733	-0.119	-0.206	0.635	152.615	1
9446_9447	9446	9447	-62.269	-8.799	1.071	0.152	8.212	99.666	1
9447_9447	9447	9447	48.51	-8.385	-0.089	0.434	1.096	231.439	1
9447_9448	9447	9448	-77.892	-11.288	0.104	0.062	-0.715	161.25	1
9448_9448	9448	9448	45.849	-18.612	0.054	0.185	0.787	278.693	1
9448_9449	9448	9449	-72.6	4.353	2.809	1.224	7.388	147.753	1
9449_9449	9449	9449	45.905	18.755	0.073	-0.212	0.948	335.053	1
9449_9450	9449	9450	-74.485	-4.571	3.43	-1.173	17.51	161.106	1
9450_9450	9450	9450	48.795	8.614	-0.009	-0.044	0.663	278.521	1
9450_9451	9450	9451	-65.187	10.522	-1.233	-0.045	9.55	101.836	1
9451_9451	9451	9451	48.55	9.36	0.04	-0.106	0.319	231.078	1
9451_9452	9451	9452	-51.325	7.907	-1.241	-0.234	-1.478	23.9	1
9452_9452	9452	9452	48.943	9.463	0.026	-0.076	0.412	152.985	1
9452_9453	9452	9453	-56.799	-11.077	-0.081	0.279	-1.377	48.151	1
9453_9453	9453	9453	74.002	-2.641	0.29	0.232	0.535	91.157	1
9453_9454	9453	9454	-55.419	-13.777	0.428	0.248	2.142	146.207	1
9454_9454	9454	9454	68.281	-2.543	0.246	0.205	2.422	117.442	1
9454_9455	9454	9455	-54.49	-15.127	0.436	0.23	5.249	255.186	1
9455_9455	9455	9455	62.873	-0.919	-2.481	-0.001	3.999	137.329	1
9455_9456	9455	9456	-55.666	-17.453	-1.759	-0.095	-13.486	445.851	1
9456_9456	9456	9456	57.289	-0.018	-2.332	0.652	-21.416	150.584	1
9456_9457	9456	9457	-55.233	-18.782	-1.712	0.644	-19.569	511.384	1
9457_9457	9457	9457	54.941	-0.08	-3.371	-0.217	-29.173	150.855	1
9457_9110	9457	9110	-55.245	-19.7	-13.001	-0.798	-72.553	592.086	1
9460_9132	9460	9132	31.58	3.048	2.223	0.165	-28.247	165.065	1
9460_9461	9460	9461	-58.034	21.607	12.459	0.868	-20.614	555.303	1
9461_9461	9461	9461	33.991	2.942	1.547	-0.282	-20.057	153.191	1
9461_9462	9461	9462	-58.098	20.62	1.861	0.013	-14.196	483.383	1
9462_9462	9462	9462	100.241	-1.514	-1.764	0.072	17.783	146.232	1
9462_9463	9462	9463	-58.578	19.219	1.812	-0.089	5.468	273.497	1
9463_9463	9463	9463	105.527	1.076	0.047	0.127	-0.731	165.124	1
9463_9464	9463	9464	-58.031	16.727	-0.426	-0.219	1.893	152.951	1
9464_9464	9464	9464	110.792	3.294	0.061	0.149	-0.493	158.75	1
9464_9465	9464	9465	31.88	1.673	0.042	0.041	0.085	45.199	1
9465_9465	9465	9465	111.595	6.606	-0.002	0.063	0.861	136.447	1
9465_9466	9465	9466	-34.092	-6.874	0.043	0.144	0.466	74.771	1
9466_9466	9466	9466	42.644	-10.385	0.154	-0.008	0.352	156.079	1
9466_9467	9466	9467	-39.87	-8.52	-0.364	0.024	-2.669	149.19	1
9467_9467	9467	9467	46.191	-9.99	-0.011	0.285	1.058	252.073	1
9467_9468	9467	9468	-42.076	-9.524	-0.35	0.257	-4.842	201.521	1
9468_9468	9468	9468	44.13	-19.639	-0.425	0.387	0.417	307.718	1
9468_9469	9468	9469	-42.948	-0.428	-2.767	0.003	-12.655	202.477	1
9469_9469	9469	9469	43.552	19.685	0.357	-0.412	-0.854	366.816	1
9469_9470	9469	9470	-56.179	-0.138	2.763	-0.349	-2.788	231.555	1
9470_9470	9470	9470	46.595	10.208	-0.027	0.044	0.48	307.314	1
9470_9471	9470	9471	-51.786	11.508	0.23	-0.034	-1.379	167.316	1
9471_9471	9471	9471	46.226	11.147	0.015	-0.245	0.484	250.6	1
9471_9472	9471	9472	-46.791	10.037	0.097	-0.186	0.118	76.151	1
9472_9472	9472	9472	42.384	11.953	0.071	-0.161	-0.018	154.208	1
9472_9473	9472	9473	-55.249	-13.05	-0.056	0.265	-1.458	47.162	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9473_9473	9473	9473	107.681	-1.796	-0.043	-0.143	-0.102	123.089	1
9473_9474	9473	9474	-55.15	-15.443	0.455	0.262	2.187	158.49	1
9474_9474	9474	9474	102.119	0.157	-0.016	-0.119	-0.219	137.651	1
9474_9475	9474	9475	-54.776	-16.721	0.455	0.211	5.47	278.997	1
9475_9475	9475	9475	102.255	2.787	1.085	-0.172	-1.058	137.471	1
9475_9476	9475	9476	-55.727	-19.042	-1.709	-0.124	-12.542	486.944	1
9476_9476	9476	9476	46.842	-2.966	-1.663	0.522	-15.143	179.386	1
9476_9477	9476	9477	-55.255	-20.374	-1.663	0.626	-18.461	558.005	1
9477_9477	9477	9477	45.338	-2.99	-2.636	-0.17	-20.934	189.769	1
9477_9148	9477	9148	-56.091	-21.401	-13.469	-0.843	-73.81	645.529	1
9480_9168	9480	9168	40.296	2.093	2.974	0.167	-31.108	159.377	1
9480_9481	9480	9481	-56.394	21.59	13.839	0.858	-18.835	564.167	1
9481_9481	9481	9481	40.231	2.126	1.448	-0.356	-18.334	150.822	1
9481_9482	9481	9482	-56.395	20.601	1.738	-0.286	-12.544	492.115	1
9482_9482	9482	9482	41.492	3.063	1.496	-0.024	-13.674	143.57	1
9482_9483	9482	9483	-56.892	19.185	1.738	0.028	6.418	282.79	1
9483_9483	9483	9483	99.786	0.552	0.075	0.004	-0.333	146.035	1
9483_9484	9483	9484	-55.544	16.887	-0.496	-0.319	2.158	161.086	1
9484_9484	9484	9484	103.525	2.715	-0.052	0.205	0.187	142.963	1
9484_9485	9484	9485	-56.776	15.549	-0.43	-0.151	-0.85	48.701	1
9485_9485	9485	9485	104.047	5.744	0.04	0.039	0.641	124.853	1
9485_9486	9485	9486	-40.916	-6.862	0.044	0.141	0.363	62.57	1
9486_9486	9486	9486	41.842	-10.467	0.198	0.253	0.083	158.099	1
9486_9487	9486	9487	-46.871	-8.805	-0.269	0.187	-1.898	139.61	1
9487_9487	9487	9487	44.828	-10.342	0.13	-0.185	0.725	255.709	1
9487_9488	9487	9488	-49.035	-9.939	-0.405	-0.015	-4.577	194.524	1
9488_9488	9488	9488	42.178	-19.614	-0.46	0.57	1.142	313.399	1
9488_9489	9488	9489	-50.116	0.656	-3.352	0.2	-13.927	191.905	1
9489_9489	9489	9489	43.769	19.951	0.591	-0.562	-1.248	375.037	1
9489_9490	9489	9490	-50.359	-0.355	3.686	-0.066	-5.031	208.003	1
9490_9490	9490	9490	46.936	10.44	-0.057	0.053	0.896	315.086	1
9490_9491	9490	9491	-44.236	9.959	0.388	-0.032	-2.4	152.196	1
9491_9491	9491	9491	45.281	11.288	-0.059	-0.238	1.017	257.262	1
9491_9492	9491	9492	-38.905	8.559	0.252	-0.143	0.554	73.4	1
9492_9492	9492	9492	42.375	12.269	0.064	-0.157	-0.118	158.862	1
9492_9493	9492	9493	-57.06	-13.227	-0.034	0.258	-1.197	47.087	1
9493_9493	9493	9493	111.178	-1.668	0.019	-0.235	-0.295	120.936	1
9493_9494	9493	9494	-57.291	-15.686	0.426	0.144	2.274	160.163	1
9494_9494	9494	9494	105.66	0.28	-0.106	-0.03	-0.048	135.636	1
9494_9495	9494	9495	-56.91	-17.014	0.498	0.315	5.793	282.78	1
9495_9495	9495	9495	102.897	2.755	1.232	-0.158	-1.304	135.713	1
9495_9496	9495	9496	-58.341	-19.389	-1.712	-0.124	-12.279	494.697	1
9496_9496	9496	9496	38.702	-2.746	-1.31	0.406	-11.517	151.272	1
9496_9497	9496	9497	-57.881	-20.725	-1.663	0.614	-18.187	566.785	1
9497_9497	9497	9497	37.364	-2.747	-2.969	-0.163	-15.75	160.848	1
9497_9184	9497	9184	-58.758	-21.769	-14.112	-0.905	-76.122	655.788	1
9500_9204	9500	9204	87.041	-1.782	-3.595	0.059	31.443	142.189	1
9500_9501	9500	9501	-59.514	21.697	13.312	1.268	-27.173	578.513	1
9501_9501	9501	9501	91.868	-1.772	-1.062	0.162	18.017	150.347	1
9501_9502	9501	9502	-59.529	20.853	2.256	-1.545	-19.832	505.747	1
9502_9502	9502	9502	94.484	0.317	-1.373	0.271	14.84	156.92	1
9502_9503	9502	9503	-60.006	19.421	2.41	0.372	6.88	293.684	1
9503_9503	9503	9503	96.251	2.753	-0.114	0.245	0.269	155.75	1
9503_9504	9503	9504	-58.755	17.083	-0.44	-0.147	3.235	170.573	1
9504_9504	9504	9504	100.096	4.865	0.04	0.083	-0.793	136.864	1
9504_9505	9504	9505	-63.694	15.175	-0.537	-0.478	-0.522	58.739	1
9505_9505	9505	9505	99.401	7.777	-0.016	0.099	0.323	103.003	1
9505_9506	9505	9506	-69.168	-7.027	0.026	-0.045	-0.033	19.203	1
9506_9506	9506	9506	49.851	-9.6	-0.096	-0.132	0.67	177.578	1
9506_9507	9506	9507	-84.734	-10.921	0.069	-0.127	-0.143	111.89	1
9507_9507	9507	9507	49.568	-10.178	-0.061	0.308	1.004	271.32	1
9507_9508	9507	9508	-87.976	-12.894	0.143	0.028	0.205	182.744	1
9508_9508	9508	9508	46.781	-20.612	0.318	0.516	1.173	328.343	1
9508_9509	9508	9509	-80.749	4.461	3.784	2.062	11.816	168.978	1
9509_9509	9509	9509	46.959	21.086	0.325	-0.539	1.975	391.284	1
9509_9510	9509	9510	-84.02	-5.161	4.458	-1.78	24.851	183.584	1
9510_9510	9510	9510	50.867	10.699	-0.037	-0.414	2.321	327.548	1
9510_9511	9510	9511	-71.839	11.71	-1.752	-0.101	13.911	117.595	1
9511_9511	9511	9511	50.538	11.513	-0.074	0.04	1.471	269.12	1

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9511_9512	9511	9512	-57.197	8.819	-1.59	-0.145	-0.457	30.322	1
9512_9512	9512	9512	51.873	10.838	0.021	-0.116	0.395	175.4	1
9512_9513	9512	9513	-59.092	-13.253	-0.012	0.358	-0.76	64.623	1
9513_9513	9513	9513	80.524	-2.853	0.114	0.237	1.478	100.269	1
9513_9514	9513	9514	-59.763	-15.862	0.486	0.353	3.014	178.432	1
9514_9514	9514	9514	76.144	-2.782	0.104	0.178	2.158	129.049	1
9514_9515	9514	9515	-57.258	-17.437	0.471	0.252	6.34	303.973	1
9515_9515	9515	9515	69.43	-1.021	-2.014	0.007	2.67	151.56	1
9515_9516	9515	9516	-58.155	-19.775	-2.362	-0.112	-19.424	519.896	1
9516_9516	9516	9516	62.371	-0.163	-1.783	0.532	-16.884	166.97	1
9516_9517	9516	9517	-57.666	-21.164	-2.325	0.723	-27.63	593.73	1
9517_9517	9517	9517	62.286	-0.044	-4.589	-0.368	-23.388	167.565	1
9517_9220	9517	9220	-57.778	-22.078	-13.068	-1.233	-81.389	684.19	1
9520_9240	9520	9240	51.008	-0.187	-0.268	0.429	-30.405	129.323	1
9520_9521	9520	9521	-70.886	23.188	0.86	1.352	-42.988	610.555	1
9521_9521	9521	9521	50.539	-0.22	1.633	-0.624	-31.138	129.817	1
9521_9522	9521	9522	-71.244	22.354	2.238	-0.85	-34.633	531.813	1
9522_9522	9522	9522	52.907	0.839	1.736	-0.023	-26.732	131.05	1
9522_9523	9522	9523	-71.759	20.641	2.233	-0.061	-10.257	306.283	1
9523_9523	9523	9523	62.185	2.153	0.524	-0.421	-8.027	124.621	1
9523_9524	9523	9524	-71.422	18.069	0.428	-0.641	-6.962	175.76	1
9524_9524	9524	9524	67.678	3.06	0.399	-0.116	-4.293	111.291	1
9524_9525	9524	9525	-75.023	15.985	0.586	-0.147	-3.027	58.549	1
9525_9525	9525	9525	78.402	3.24	0.214	-0.287	-1.546	94.691	1
9525_9526	9525	9526	-38.077	-4.639	-0.128	0.144	-1.026	16.865	1
9526_9526	9526	9526	61.657	-9.887	0.63	-0.349	-1.825	187.588	1
9526_9527	9526	9527	-83.059	-9.138	2.261	-0.126	22.01	83.839	1
9527_9527	9527	9527	61.731	-10.056	0.162	0.544	1.554	281.116	1
9527_9528	9527	9528	-85.204	-10.931	2.53	-0.321	36.102	144.152	1
9528_9528	9528	9528	58.521	-23.15	0.512	0.244	0.394	337.384	1
9528_9529	9528	9529	-80.418	6.108	2.3	5.459	42.617	125.136	1
9529_9529	9529	9529	58.603	23.276	0.642	-0.631	2.03	407.717	1
9529_9530	9529	9530	-82.144	-5.522	5.672	-5.496	59.943	143.725	1
9530_9530	9530	9530	62.715	10.446	0.218	-0.512	3.343	337.461	1
9530_9531	9530	9531	-68.481	10.002	-3.733	0.23	36.942	85.829	1
9531_9531	9531	9531	62.067	11.097	0.452	-0.006	0.806	280.29	1
9531_9532	9531	9532	-50.593	6.937	-3.113	-0.28	4.613	14.797	1
9532_9532	9532	9532	61.895	11.792	-0.11	-0.166	3.75	186.619	1
9532_9533	9532	9533	-73.734	-13.345	0.269	0.422	-2.077	62.059	1
9533_9533	9533	9533	81.505	-1.415	0.045	0.034	3.167	104.11	1
9533_9534	9533	9534	-72.574	-16.75	0.143	-0.007	-0.606	182.217	1
9534_9534	9534	9534	76.84	-1.481	-0.198	0.364	3.411	123.447	1
9534_9535	9534	9535	-70.655	-18.582	0.374	0.617	1.968	315.987	1
9535_9535	9535	9535	68.072	0.131	0.389	0.054	2.325	137.229	1
9535_9536	9535	9536	-71.217	-21.306	-0.491	-0.339	-3.184	548.506	1
9536_9536	9536	9536	61.674	0.992	0.293	0.162	6.742	140.041	1
9536_9537	9536	9537	-70.686	-23.008	-0.361	0.841	-4.747	628.792	1
9537_9537	9537	9537	60.302	0.64	-2.746	-3.055	8.07	136.419	1
9537_9254	9537	9254	-70.041	-24.149	-3.561	-3.565	-19.384	726.677	1
9540_9275	9540	9275	60.706	0.015	3.598	0.569	-61.342	170.154	1
9540_9541	9540	9541	-70.668	23.381	4.388	1.062	-50.55	645.548	1
9541_9541	9541	9541	61.463	0.107	2.717	-1.305	-46.494	169.347	1
9541_9542	9541	9542	-69.918	22.903	2.328	-2.287	-42.042	564.142	1
9542_9542	9542	9542	63.102	1.466	2.637	-0.003	-37.85	169.282	1
9542_9543	9542	9543	-72.919	21.156	2.685	0.098	-14.986	332.846	1
9543_9543	9543	9543	69.343	3.315	0.435	-0.534	-9.128	154.988	1
9543_9544	9543	9544	-72.679	18.798	0.614	-0.754	-10.268	196.618	1
9544_9544	9544	9544	74.38	4.295	0.359	-0.281	-6.147	132.765	1
9544_9545	9544	9545	-74.54	16.964	0.684	-0.338	-5.447	73.523	1
9545_9545	9545	9545	81.755	4.927	0.672	-0.39	-3.547	105.989	1
9545_9546	9545	9546	-50.624	-6.41	-0.607	0.248	-6.526	22.786	1
9546_9546	9546	9546	62.471	-9.691	1.132	-0.255	-4.205	184.851	1
9546_9547	9546	9547	-63.258	-9.119	-2.807	-0.012	-32.128	99.852	1
9547_9547	9547	9547	62.529	-10.515	0.272	0.166	-2.02	281.266	1
9547_9548	9547	9548	-65.854	-10.62	-2.827	0.757	-48.768	158.605	1
9548_9548	9548	9548	59.257	-23.953	0.879	-0.435	-4.972	340.603	1
9548_9549	9548	9549	-65.831	3.094	-0.739	-7.515	-49.054	148.852	1
9549_9549	9549	9549	59.451	23.269	0.728	-0.208	-2.179	412.795	1
9549_9550	9549	9550	-71.642	-5.223	-4.471	7.695	-65.155	158.1	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9550_9550	9550	9550	62.968	9.615	0.956	-0.852	-3.526	343.469	1
9550_9551	9550	9551	-73.601	11.868	3.524	-0.791	-40.744	91.733	1
9551_9551	9551	9551	62.58	10.886	0.922	0.047	-0.08	289.78	1
9551_9552	9551	9552	-40.967	6.023	-3.445	-0.315	8.241	12.756	1
9552_9552	9552	9552	63.099	11.296	-0.057	-0.199	5.395	205.546	1
9552_9553	9552	9553	-74.522	-13.254	0.68	0.502	-1.378	47.134	1
9553_9553	9553	9553	84.214	-0.42	-0.258	0.236	7.237	120.125	1
9553_9554	9553	9554	-72.836	-16.833	0.412	0.336	1.752	163.817	1
9554_9554	9554	9554	79.876	-1.214	-0.162	0.075	5.573	135.487	1
9554_9555	9554	9555	-72.047	-18.727	0.397	0.241	4.566	295.501	1
9555_9555	9555	9555	71.466	0.676	-0.652	-0.001	4.645	146.295	1
9555_9556	9555	9556	-72.028	-21.818	-0.512	-0.315	-0.945	527.44	1
9556_9556	9556	9556	63.33	1.558	-0.644	0.197	-1.805	143.164	1
9556_9557	9556	9557	-71.407	-23.772	-0.44	0.298	-2.612	608.763	1
9557_9557	9557	9557	62.433	1.68	-1.695	-1.931	-3.759	136.94	1
9557_9288	9557	9288	-70.363	-25.101	-2.557	-2.677	-17.289	747.665	1
49000_9000	49000	9000	2.954	26.419	-2.812	-7.444	0	23.941	1
49000_9001	49000	9001	-1.179	-66.234	0.615	4.885	5.108	540.385	1
49001_9001	49001	9001	-0.551	-6.115	4.113	1.628	34.128	43.249	1
49001_9002	49001	9002	-1.575	-61.081	0.913	6.924	15.673	1037.672	1
49002_9002	49002	9002	-0.646	-5.878	-1.959	1.467	69.234	98.025	1
49002_9003	49002	9003	-2.007	-55.453	-1.135	5.284	9.578	1591.046	1
49003_9003	49003	9003	-0.74	-5.92	-1.887	1.783	44.613	169.46	1
49003_9004	49003	9004	-2.174	-43.291	-1.257	8.549	-3.454	2009.973	1
49004_9004	49004	9004	-0.74	-6.109	0.012	1.428	21.798	241.03	1
49004_9005	49004	9005	-2.464	-40.156	-0.185	3.42	-2.285	2359.384	1
49005_9005	49005	9005	-0.772	-6.113	0.011	1.983	21.841	314.861	1
49005_9006	49005	9006	-2.68	-34.455	-0.301	8.291	-2.952	2592.344	1
49006_9006	49006	9006	-0.772	-6.089	0.376	1.353	21.976	388.749	1
49006_9007	49006	9007	-2.827	-32.605	0.179	2.599	2.501	2763.742	1
49007_9007	49007	9007	-0.772	-6.089	0.377	1.732	26.523	462.33	1
49007_9008	49007	9008	-2.914	-27.366	0.095	5.531	6.851	2837.394	1
49008_9008	49008	9008	-0.771	-6.207	0.397	1.323	31.078	535.9	1
49008_9009	49008	9009	-2.95	-26.423	0.249	2.121	13.471	2874.316	1
49009_9009	49009	9009	-0.771	-6.207	0.397	1.258	35.878	610.937	1
49009_9010	49009	9010	-2.94	-21.484	0.162	2.588	18.735	2827.356	1
49010_9010	49010	9010	-0.77	-6.4	0.412	0.32	40.674	685.911	1
49010_9011	49010	9011	-2.949	-2.754	0.489	-3.75	22.518	2781.944	1
49011_9011	49011	9011	-0.769	-6.4	0.413	1.573	45.656	763.266	1
49011_9012	49011	9012	-2.937	2.313	0.402	1.659	29.124	2663.177	1
49012_9012	49012	9012	-0.769	-6.658	0.366	-0.253	50.653	840.607	1
49012_9013	49012	9013	-2.884	3.283	0.7	-4.923	39.43	2517.785	1
49013_9013	49013	9013	-0.769	-6.658	0.367	1.26	55.074	921.053	1
49013_9014	49013	9014	-2.795	8.195	0.572	0.091	46.916	2301.906	1
49014_9014	49014	9014	-0.768	-6.952	0.29	-0.351	59.509	1001.483	1
49014_9015	49014	9015	-2.631	11.113	-0.221	-4.31	42.873	1982.035	1
49015_9015	49015	9015	-0.741	-6.978	0.281	0.671	63.421	1109.266	1
49015_9016	49015	9016	-2.647	14.259	-0.241	-0.806	40.338	1777.053	1
49016_9016	49016	9016	-0.609	-7.274	-0.093	-1.581	65.715	1166.819	1
49016_9017	49016	9017	-2.738	16.217	-1.421	-5.357	23.39	1483.487	1
49017_9017	49017	9017	-0.429	-7.287	-0.091	-0.377	64.71	1252.431	1
49017_9018	49017	9018	-1.598	0.38	-0.779	-0.28	16.654	1136.404	1
49018_9018	49018	9018	-0.237	-7.448	0.552	-2.303	63.452	1349.112	1
49018_9019	49018	9019	-1.572	3.361	0.981	-1.99	33.745	803.435	1
49019_9019	49019	9019	-0.066	-7.483	0.563	-1.742	69.819	1442.721	1
49019_9020	49019	9020	0.375	-2.309	0.019	-0.428	31.408	549.433	1
49020_9020	49020	9020	-40.989	24.551	-0.069	-3.239	24.399	824.152	1
49020_9021	49020	9021	70.915	-29.543	-5.097	-1.379	118.64	872.815	1
49021_9021	49021	9021	-50.185	17.399	-1.235	-1.152	57.952	610.358	1
49021_9022	49021	9022	65.219	-26.9	-5.103	2.419	71.882	962.373	1
49022_9022	49022	9022	-58.288	13.429	-2.03	-1.262	63.825	491.501	1
49022_9023	49022	9023	59.482	-23.948	-4.809	2.004	27.921	1025.521	1
49023_9023	49023	9023	-74.504	4.36	-1.887	-1.849	73.1	432.892	1
49023_9024	49023	9024	54	-21.737	-0.696	-0.854	17.681	1082.276	1
49024_9024	49024	9024	-71.964	2.857	-1.91	-1.717	60.662	403.881	1
49024_9025	49024	9025	49.069	-18.25	-0.593	-0.332	8.978	1121.914	1
49025_9025	49025	9025	-70.336	2.449	-1.813	-1.193	45.901	382.771	1
49025_9026	49025	9026	45.055	-14.454	-0.516	1.572	1.77	1146.649	1
49026_9026	49026	9026	-66.553	1.61	-1.538	-2.286	32.184	365.613	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49026_9027	49026	9027	42.58	-13.723	-0.116	-2.796	-0.185	1161.899	1
49027_9027	49027	9027	-66.555	1.61	-1.416	-1.631	22.961	355.965	1
49027_9028	49027	9028	40.668	-10.686	-0.15	-0.277	-2.101	1165.991	1
49028_9028	49028	9028	-64.537	1.394	-1.422	-1.644	14.777	347.3	1
49028_9029	49028	9029	38.075	-23.108	0.129	1.428	-3.706	1152.235	1
49029_9029	49029	9029	-63.691	1.321	-1.406	-1.563	6.396	339.074	1
49029_9030	49029	9030	39.021	-20.225	0.169	1.909	-2.701	1133.386	1
49030_9030	49030	9030	-61.955	0.817	-1.734	-2.426	-1.707	331.844	1
49030_9031	49030	9031	40.991	-18.612	0.603	-0.558	2.886	1104.753	1
49031_9031	49031	9031	-61.955	0.817	-1.734	-2.426	-15.569	325.315	1
49031_9032	49031	9032	43.856	-15.112	0.711	-0.012	10.486	1060.492	1
49032_9032	49032	9032	-98.021	-4.097	1.874	2.067	35.358	326.752	1
49032_9033	49032	9033	47.283	-11.91	0.75	1.85	19.291	998.838	1
49033_9033	49033	9033	-96.404	-7.177	3.285	0.58	47.297	367.402	1
49033_9034	49033	9034	51.072	-9.893	5.079	-2.109	62.502	930.102	1
49034_9034	49034	9034	-70.876	-14.892	1.857	1.159	48.081	451.945	1
49034_9035	49034	9035	54.926	-7.217	5.226	-1.615	108.091	851.327	1
49035_9035	49035	9035	-59.452	-19.102	1.182	3.246	43.07	596.162	1
49035_9036	49035	9036	59.942	-4.401	5.199	2.198	163.715	735.435	1
49036_9036	49036	9036	38.875	34.97	2.571	-6.941	-62.602	1467.271	1
49036_9037	49036	9037	-23.692	-37.545	-0.827	1.11	22.872	726.968	1
49037_9037	49037	9037	-25.581	10.497	-0.398	3.291	40.872	1320.251	1
49037_9038	49037	9038	-26.529	-34.079	-1.411	3.109	6.958	1003.509	1
49038_9038	49038	9038	-25.843	9.636	0.161	0.607	36.283	1188.692	1
49038_9039	49038	9039	-29.464	-30.851	1.016	1.377	14.902	1264.837	1
49039_9039	49039	9039	-26.074	8.991	0.21	1.588	38.376	1058.35	1
49039_9040	49039	9040	-31.584	-27.367	1.214	4.165	26.633	1458.501	1
49040_9040	49040	9040	-26.228	8.196	0.134	0.614	40.867	952.638	1
49040_9041	49040	9041	-32.86	-27.023	0.796	2.303	33.065	1591.112	1
49041_9041	49041	9041	-26.3	7.961	0.131	0.096	41.975	877.682	1
49041_9042	49041	9042	-34.811	-21.378	0.9	2.929	47.106	1777.615	1
49042_9042	49042	9042	-26.3	7.539	-0.28	-0.683	43.951	757.318	1
49042_9043	49042	9043	-35.477	-37.201	-0.144	2.39	47.501	1918.367	1
49043_9043	49043	9043	-26.3	7.539	-0.26	-0.176	40.627	667.728	1
49043_9044	49043	9044	-34.61	-31.889	-0.12	4.697	46.084	2011.743	1
49044_9044	49044	9044	-26.301	7.283	-0.203	-1.061	37.543	578.219	1
49044_9045	49044	9045	-33.41	-30.51	-0.045	0.998	45.612	2089.465	1
49045_9045	49045	9045	-26.301	7.283	-0.181	-0.649	35.136	491.692	1
49045_9046	49045	9046	-31.953	-25.19	-0.023	3.594	45.156	2099.573	1
49046_9046	49046	9046	-6.879	-7.57	0.303	0.601	35.886	431.369	1
49046_9047	49046	9047	-33.379	-7.03	0.039	-2.541	45.882	2098.272	1
49047_9047	49047	9047	-6.879	-7.57	0.309	1.038	39.49	521.274	1
49047_9048	49047	9048	-31.923	-1.588	0.071	0.29	46.87	2029.987	1
49048_9048	49048	9048	-6.879	-7.768	0.361	0.1	43.161	611.173	1
49048_9049	49048	9049	-30.262	-0.345	0.223	-3.777	49.811	1945.492	1
49049_9049	49049	9049	-6.878	-7.768	0.367	0.69	47.452	703.417	1
49049_9050	49049	9050	-24.019	-12.691	0.249	0.77	50.861	1806.054	1
49050_9050	49050	9050	-6.878	-8.079	0.073	-0.374	51.81	795.653	1
49050_9051	49050	9051	-20.701	-10.65	-0.744	-2.051	37.337	1614.809	1
49051_9051	49051	9051	-6.808	-8.138	0.079	0.036	52.912	918.536	1
49051_9052	49051	9052	-18.682	-7.119	-0.658	-0.367	31.263	1484.987	1
49052_9052	49052	9052	-6.862	-8.537	0.008	-0.537	53.192	985.669	1
49052_9053	49052	9053	-15.695	-5.385	-1.01	-2.074	19.526	1290.437	1
49053_9053	49053	9053	-6.66	-8.712	0.008	-1.657	53.213	1088.251	1
49053_9054	49053	9054	-12.388	-1.369	-0.751	-1.487	11.926	1031.609	1
49054_9054	49054	9054	-6.432	-9.027	0.639	-1.83	53.352	1203.848	1
49054_9055	49054	9055	-9.575	1.793	1.106	-1.569	31.054	751.155	1
49055_9055	49055	9055	-6.194	-9.192	0.645	-2.388	61.399	1317.005	1
49055_9056	49055	9056	-0.007	-2.796	0.022	-0.531	17.705	480.031	1
49056_9056	49056	9056	-48.114	22.27	-0.363	-3.355	31.776	751.196	1
49056_9057	49056	9057	65.139	-29.102	-4.699	-1.312	101.969	911.115	1
49057_9057	49057	9057	-59.102	15.435	-1.42	-1.811	58.464	566.697	1
49057_9058	49057	9058	60.952	-26.352	-4.69	1.119	59.411	1000.962	1
49058_9058	49058	9058	-76.461	7.139	-2.605	-0.651	76.912	473.553	1
49058_9059	49058	9059	56.646	-23.353	-4.567	2.874	18.409	1074.439	1
49059_9059	49059	9059	-75.181	3.772	-1.768	-2.299	63.683	433.35	1
49059_9060	49059	9060	52.551	-21.171	-0.469	-1.552	10.925	1139.183	1
49060_9060	49060	9060	-71.656	2.827	-1.66	-1.667	50.915	406.524	1
49060_9061	49060	9061	48.89	-17.678	-0.463	0.548	4.069	1185.226	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist.	Fact
49061_9061	49061	9061	-68.9	2.378	-1.64	-1.611	38.205	385.429	1	1
49061_9062	49061	9062	45.992	-13.896	-0.366	1.125	-1.218	1213.902	1	1
49062_9062	49062	9062	-66.018	1.768	-1.241	-2.085	25.66	367.753	1	1
49062_9063	49062	9063	44.261	-13.347	-0.086	-1.049	-2.595	1232.542	1	1
49063_9063	49063	9063	-64.245	1.599	-1.35	-2.686	18.523	357.511	1	1
49063_9064	49063	9064	41.804	-26.12	0.175	-1.253	-3.937	1238.634	1	1
49064_9064	49064	9064	-61.966	-1.272	1.318	2.619	3.811	360.239	1	1
49064_9065	49064	9065	42.483	-23.16	0.063	3.123	-3.459	1231.175	1	1
49065_9065	49065	9065	-65.222	-1.487	1.229	2.105	11.27	368.428	1	1
49065_9066	49065	9066	43.647	-20.335	0.157	1.598	-2.236	1211.23	1	1
49066_9066	49066	9066	-67.658	-1.963	1.555	1.425	18.297	377.397	1	1
49066_9067	49066	9067	45.822	-18.856	0.491	-1.054	2.739	1180.935	1	1
49067_9067	49067	9067	-71.66	-2.37	1.662	1.977	30.198	393.856	1	1
49067_9068	49067	9068	48.822	-15.38	0.504	0.965	8.782	1134.04	1	1
49068_9068	49068	9068	-74.683	-2.782	1.673	2.028	43.002	413.962	1	1
49068_9069	49068	9069	52.312	-12.188	0.571	1.465	15.997	1068.693	1	1
49069_9069	49069	9069	-79.039	-3.942	3.001	0.891	55.038	439.982	1	1
49069_9070	49069	9070	56.111	-10.319	4.807	-1.51	56.788	996.43	1	1
49070_9070	49070	9070	-82.118	-7.025	2.851	1.115	70.842	480.823	1	1
49070_9071	49070	9071	59.873	-7.598	4.935	-0.861	99.852	912.023	1	1
49071_9071	49071	9071	-64.276	-15.577	1.608	2.819	54.219	582.101	1	1
49071_9072	49071	9072	64.72	-4.707	4.906	1.664	152.322	797.672	1	1
49072_9072	49072	9072	-11.482	9.293	-0.645	1.764	61.06	1457.819	1	1
49072_9073	49072	9073	-19.427	-37.918	-1.138	1.471	29.213	755.289	1	1
49073_9073	49073	9073	-11.399	8.954	-0.62	2.567	53.329	1341.567	1	1
49073_9074	49073	9074	-21.604	-34.33	-1.714	2.862	9.257	1045.268	1	1
49074_9074	49074	9074	-11.165	8.449	0.122	0.565	46.368	1229.942	1	1
49074_9075	49074	9075	-23.93	-31.115	1.103	1.324	18.192	1324.492	1	1
49075_9075	49075	9075	-11.378	8.159	0.148	1.796	47.923	1114.215	1	1
49075_9076	49075	9076	-25.521	-27.488	1.328	4.368	31.666	1532.443	1	1
49076_9076	49076	9076	-11.513	7.635	0.1	0.292	49.69	1018.321	1	1
49076_9077	49076	9077	-29.015	-45.4	0.815	3.251	38.63	1684.284	1	1
49077_9077	49077	9077	-11.578	7.536	0.104	0.248	50.515	959.453	1	1
49077_9078	49077	9078	-28.968	-39.797	0.84	4.884	50.875	1923.295	1	1
49078_9078	49078	9078	-11.081	7.266	-0.348	-0.577	52.235	856.155	1	1
49078_9079	49078	9079	-28.866	-38.285	-0.416	2.348	47.15	2091.52	1	1
49079_9079	49079	9079	-11.082	7.266	-0.338	0.156	48.347	775.082	1	1
49079_9080	49079	9080	-28.555	-33.441	-0.442	5.083	42.468	2202.266	1	1
49080_9080	49080	9080	-11.082	7.036	-0.279	-0.634	44.573	693.941	1	1
49080_9081	49080	9081	-28.095	-32.55	-0.141	2.259	41.237	2299.897	1	1
49081_9081	49081	9081	-11.082	7.036	-0.279	-0.634	41.463	615.374	1	1
49081_9082	49081	9082	-27.516	-27.716	-0.183	3.127	39.318	2336.192	1	1
49082_9082	49082	9082	-11.083	6.883	-0.258	-1.117	38.353	536.809	1	1
49082_9083	49082	9083	-26.806	-26.755	0.008	0.109	39.814	2361.109	1	1
49083_9083	49083	9083	-10.462	6.873	-0.253	-0.754	35.372	454.266	1	1
49083_9084	49083	9084	-27.491	-4.148	0.019	1.008	39.985	2328.626	1	1
49084_9084	49084	9084	-4.188	-6.54	0.341	0.309	37.165	529.452	1	1
49084_9085	49084	9085	-26.829	-3.616	0.138	-3.236	41.688	2285.535	1	1
49085_9085	49085	9085	-4.51	-6.55	0.341	0.85	40.806	602.51	1	1
49085_9086	49085	9086	-26.091	1.274	0.129	-0.244	42.926	2182.17	1	1
49086_9086	49086	9086	-4.509	-6.734	0.372	-0.165	44.617	675.626	1	1
49086_9087	49086	9087	-25.26	2.107	0.407	-4.238	47.587	2066.001	1	1
49087_9087	49087	9087	-4.543	-6.735	0.376	0.474	48.746	750.876	1	1
49087_9088	49087	9088	-24.314	6.947	0.379	-1.53	51.221	1894.055	1	1
49088_9088	49088	9088	-4.542	-7.035	0.128	-0.339	52.938	826.061	1	1
49088_9089	49088	9089	-19.572	-9.242	-0.529	-2.109	39.757	1679.013	1	1
49089_9089	49089	9089	-4.481	-7.075	0.131	-0.19	54.629	917.904	1	1
49089_9090	49089	9090	-18.027	-6.419	-0.499	-0.582	34.776	1525.206	1	1
49090_9090	49090	9090	-4.355	-7.367	-0.019	-0.976	55.707	976.318	1	1
49090_9091	49090	9091	-15.583	-4.725	-1.043	-2.682	21.958	1307.027	1	1
49091_9091	49091	9091	-4.519	-7.513	-0.023	-1.126	54.844	1063.983	1	1
49091_9092	49091	9092	-12.733	-0.757	-0.78	-0.917	13.316	1023.361	1	1
49092_9092	49092	9092	-4.323	-7.799	0.775	-2.65	54.487	1163.655	1	1
49092_9093	49092	9093	-10.185	2.239	1.277	-1.989	34.221	728.623	1	1
49093_9093	49093	9093	-4.205	-7.924	0.787	-1.319	64.197	1261.433	1	1
49093_9094	49093	9094	-7.96	5.419	0.755	-0.469	40.097	408.334	1	1
49094_9094	49094	9094	-46.238	22.192	-0.332	-3.04	30.482	746.054	1	1
49094_9095	49094	9095	65.866	-29.162	-4.578	-0.9	97.586	902.648	1	1
49095_9095	49095	9095	-56.117	15.349	-1.352	-1.637	56.122	560.997	1	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49095_9096	49095	9096	61.578	-26.402	-4.552	1.314	56.264	992.16	1
49096_9096	49096	9096	-70.659	7.382	-2.546	-1.143	72.751	464.899	1
49096_9097	49096	9097	57.169	-23.377	-4.352	1.816	17.171	1065.789	1
49097_9097	49097	9097	-69.021	3.85	-1.79	-2.164	60.341	423.812	1
49097_9098	49097	9098	52.938	-21.307	-0.431	-1.43	10.169	1132.217	1
49098_9098	49098	9098	-65.539	2.8	-1.721	-1.595	47.61	398.206	1
49098_9099	49098	9099	49.145	-17.799	-0.416	0.494	3.907	1180.009	1
49099_9099	49099	9099	-61.472	2.093	-1.706	-1.495	34.721	379.293	1
49099_9100	49099	9100	46.093	-13.996	-0.32	1.115	-0.783	1210.492	1
49100_9100	49100	9100	-58.72	1.47	-1.468	-2.126	21.555	364.33	1
49100_9101	49100	9101	44.231	-13.552	-0.134	-1.59	-2.283	1230.755	1
49101_9101	49101	9101	-64.745	-1.319	1.333	1.843	1.259	360.578	1
49101_9102	49101	9102	40.951	-26.251	0.129	0.28	-2.817	1240.568	1
49102_9102	49102	9102	-65.992	-1.399	1.342	1.884	9.054	368.544	1
49102_9103	49102	9103	41.42	-23.263	0.17	0.73	-1.408	1233.726	1
49103_9103	49103	9103	-67.221	-1.478	1.459	2.532	16.946	377.392	1
49103_9104	49103	9104	42.362	-20.423	0.144	2.961	0.126	1214.664	1
49104_9104	49104	9104	-70.431	-1.999	1.607	1.385	25.319	387.045	1
49104_9105	49104	9105	44.217	-19.027	0.444	-1.081	5.302	1185.404	1
49105_9105	49105	9105	-72.65	-2.215	1.716	1.936	37.959	403.955	1
49105_9106	49105	9106	46.88	-15.499	0.467	0.971	11.684	1138.753	1
49106_9106	49106	9106	-77.29	-2.826	1.741	1.99	51.149	424.057	1
49106_9107	49106	9107	50.01	-12.263	0.547	1.413	19.392	1072.931	1
49107_9107	49107	9107	-81.455	-3.975	2.705	1.062	63.735	449.349	1
49107_9108	49107	9108	53.45	-10.38	4.534	-1.159	58.811	999.594	1
49108_9108	49108	9108	-84.165	-6.295	2.639	1.191	79.197	486.524	1
49108_9109	49108	9109	56.81	-7.597	4.66	-0.574	100.354	913.057	1
49109_9109	49109	9109	-65.829	-14.994	1.472	2.401	59.725	575.678	1
49109_9110	49109	9110	61.146	-4.637	4.676	1.25	151.38	795.9	1
49110_9110	49110	9110	-13.13	9.876	-0.807	1.782	76.609	1466.647	1
49110_9111	49110	9111	-20.92	-37.346	-1.335	1.425	38.068	762.383	1
49111_9111	49111	9111	-13.385	9.529	-0.785	2.206	66.329	1342.61	1
49111_9112	49111	9112	-23.538	-33.635	-1.901	2.529	17.498	1042.373	1
49112_9112	49112	9112	-13.625	8.984	-0.04	1.067	56.514	1223.138	1
49112_9113	49112	9113	-26.439	-30.394	0.931	1.841	25.82	1308.324	1
49113_9113	49113	9113	-13.527	8.619	-0.029	1.061	56.402	1102.067	1
49113_9114	49113	9114	-28.673	-26.655	1.104	3.668	37.733	1501.019	1
49114_9114	49114	9114	-13.672	8.175	-0.189	0.434	56.069	1000.752	1
49114_9115	49114	9115	-30.148	-26.314	0.361	1.732	41.511	1633.754	1
49115_9115	49115	9115	-13.743	8.055	-0.186	0.12	54.515	933.943	1
49115_9116	49115	9116	-32.494	-21.033	0.4	2.873	48.117	1812.142	1
49116_9116	49116	9116	-13.744	7.723	-0.429	-0.956	51.965	823.488	1
49116_9117	49116	9117	-35.941	-37.218	-0.467	1.436	45.443	1948.957	1
49117_9117	49117	9117	-13.744	7.723	-0.405	0.376	47.171	737.284	1
49117_9118	49117	9118	-36.354	-32.208	-0.446	5.618	40.444	2038.51	1
49118_9118	49118	9118	-13.744	7.536	-0.384	-1.254	42.651	651.005	1
49118_9119	49118	9119	-36.546	-31.322	-0.366	0.117	36.365	2116.337	1
49119_9119	49119	9119	-12.977	7.523	-0.364	-0.226	38.661	566.923	1
49119_9120	49119	9120	-36.314	-9.287	-0.311	2.823	33.244	2136.959	1
49120_9120	49120	9120	-12.977	7.365	-0.378	-1.35	34.594	482.879	1
49120_9121	49120	9121	-36.542	-8.536	-0.187	-3.001	30.806	2153.208	1
49121_9121	49121	9121	-12.978	7.365	-0.356	-0.688	30.064	394.566	1
49121_9122	49121	9122	-36.571	-3.071	-0.145	1.641	28.526	2099.512	1
49122_9122	49122	9122	-13.555	-4.721	0.105	-0.046	22.755	337.15	1
49122_9123	49122	9123	-36.437	-2.568	-0.124	-5.2	27.061	2037.455	1
49123_9123	49123	9123	-13.555	-4.721	0.141	1.001	23.925	389.884	1
49123_9124	49123	9124	-36.166	2.505	-0.048	1.196	26.25	1915.425	1
49124_9124	49124	9124	-13.555	-4.903	0.138	-0.249	25.502	442.618	1
49124_9125	49124	9125	-35.706	3.193	0.129	-4.982	27.883	1783.806	1
49125_9125	49125	9125	-13.554	-4.903	0.163	0.646	27.044	497.333	1
49125_9126	49125	9126	-35.023	8.191	0.156	-0.797	29.319	1596.946	1
49126_9126	49126	9126	-13.823	-5.137	-0.063	-0.418	28.549	552.158	1
49126_9127	49126	9127	-29.868	-7.724	-0.661	-2.356	18.33	1388.323	1
49127_9127	49127	9127	-13.778	-5.255	-0.043	0.225	27.714	617.314	1
49127_9128	49127	9128	-27.96	-4.99	-0.593	0.121	13.564	1233.699	1
49128_9128	49128	9128	-13.682	-5.803	-0.229	-1.184	27.335	660.611	1
49128_9129	49128	9129	-24.791	-3.726	-1.291	-2.952	-0.476	1029.866	1
49129_9129	49129	9129	-13.59	-6.158	-0.202	-0.361	24.562	733.265	1
49129_9130	49129	9130	-20.905	-0.013	-0.971	-0.322	-9.551	776.599	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49130_9130	49130	9130	38.73	-26.847	-1.382	3.362	16.895	899	1
49130_9131	49130	9131	-17.219	2.819	1.77	-1.126	19.986	510.428	1
49131_9131	49131	9131	39.845	-31.399	-1.894	4.99	-3.177	1269.412	1
49131_9132	49131	9132	13.674	-6.098	0.344	0.779	21.435	509.513	1
49132_9132	49132	9132	-37.886	26.386	1.16	-2.373	-16.373	723.324	1
49132_9133	49132	9133	67.71	-31.801	-5.039	0.173	80.345	741.045	1
49133_9133	49133	9133	-41.171	20.645	0.308	-2.734	9.586	488.331	1
49133_9134	49133	9134	62.755	-28.853	-4.922	0.908	39.245	862.33	1
49134_9134	49134	9134	-65.882	2.335	1.982	2.522	-27.776	430.114	1
49134_9135	49134	9135	57.653	-25.614	-4.89	2.574	-1.674	955.829	1
49135_9135	49135	9135	-65.884	2.122	0.799	1.467	-12.419	412.017	1
49135_9136	49135	9136	52.755	-22.913	0.001	-1.02	-3.355	1037.286	1
49136_9136	49136	9136	-65.883	2.122	0.882	1.96	-6.023	395.037	1
49136_9137	49136	9137	48.269	-19.126	-0.016	0.838	-4.645	1097.234	1
49137_9137	49137	9137	-67.945	2.064	0.899	1.999	0.588	378.455	1
49137_9138	49137	9138	44.548	-15.026	0.042	1.414	-4.817	1137.105	1
49138_9138	49138	9138	-69.546	1.677	0.614	0.879	7.542	362.278	1
49138_9139	49138	9139	37.257	-29.006	0.161	-0.709	-2.776	1166.964	1
49139_9139	49139	9139	-70.847	1.617	0.733	1.483	11.039	352.239	1
49139_9140	49139	9140	37.023	-25.686	0.101	1.615	-1.638	1179.513	1
49140_9140	49140	9140	-72.131	1.557	0.736	1.5	15.264	342.844	1
49140_9141	49140	9141	37.186	-22.438	0.101	1.989	-0.443	1171.65	1
49141_9141	49141	9141	-74.01	1.445	0.616	0.968	19.424	333.729	1
49141_9142	49141	9142	37.852	-19.344	0.164	0.483	1.087	1149.293	1
49142_9142	49142	9142	-76.05	1.078	0.954	1.041	22.806	325.465	1
49142_9143	49142	9143	39.387	-17.663	0.172	0.089	3.542	1113.724	1
49143_9143	49143	9143	-79.408	0.772	0.878	0.685	30.001	318.075	1
49143_9144	49143	9144	41.753	-13.859	0.265	-0.685	7.286	1057.246	1
49144_9144	49144	9144	-37.789	-2.426	-0.836	-1.378	-18.203	329.921	1
49144_9145	49144	9145	44.594	-10.365	0.252	1.107	11.307	978.719	1
49145_9145	49145	9145	-35.671	-2.766	-1.787	-1.877	-24.043	349.533	1
49145_9146	49145	9146	47.745	-8.028	4.048	-1.142	45.28	888.911	1
49146_9146	49146	9146	-67.715	-12.686	0.848	1.163	32.238	386.404	1
49146_9147	49146	9147	50.822	-5.056	4.185	-1.651	81.04	784.561	1
49147_9147	49147	9147	-56.424	-17.964	0.291	2.401	22.791	520.624	1
49147_9148	49147	9148	54.792	-1.903	4.144	0.859	124.069	635.763	1
49148_9148	49148	9148	62.908	33.314	2.637	-4.793	-54.468	1446.844	1
49148_9149	49148	9149	-32.168	-36.715	-1.099	1.42	22.146	619.08	1
49149_9149	49149	9149	-30.242	10.13	-0.615	0.881	39.122	1122.514	1
49149_9150	49149	9150	-37.101	-33.124	-1.729	1.855	0.915	869.132	1
49150_9150	49150	9150	-30.45	9.333	0.075	1.368	31.46	995.526	1
49150_9151	49150	9151	-42.398	-29.868	1.068	2.555	7.611	1102.051	1
49151_9151	49151	9151	-30.679	8.55	0.048	-0.221	32.492	861.864	1
49151_9152	49151	9152	-46.576	-26.421	1.182	2.198	18.511	1260.108	1
49152_9152	49152	9152	-30.815	7.901	-0.109	0.377	33.041	761.366	1
49152_9153	49152	9153	-49.303	-26.124	0.524	1.994	22.149	1376.905	1
49153_9153	49153	9153	-30.881	7.638	-0.132	-0.39	32.143	693.069	1
49153_9154	49153	9154	-53.433	-20.77	0.578	2.001	29.595	1526.184	1
49154_9154	49154	9154	-30.881	7.446	-0.215	-0.764	30.334	588.05	1
49154_9155	49154	9155	-56.077	-19.204	-0.1	-0.221	29.005	1635.898	1
49155_9155	49155	9155	-30.579	7.443	-0.19	-0.304	28.164	506.144	1
49155_9156	49155	9156	-57.889	-14.102	-0.037	2.273	28.694	1703.642	1
49156_9156	49156	9156	-30.579	7.344	-0.24	-0.976	26.079	424.267	1
49156_9157	49156	9157	-59.001	-13.074	-0.111	-1.46	27.885	1750.41	1
49157_9157	49157	9157	-30.579	7.344	-0.21	-0.625	23.678	350.824	1
49157_9158	49157	9158	-59.567	-8.294	-0.034	1.193	27.657	1753.546	1
49158_9158	49158	9158	-30.579	7.297	-0.21	-1.048	21.582	277.378	1
49158_9159	49158	9159	-59.666	-7.233	0	-2.556	28.012	1745.936	1
49159_9159	49159	9159	-26.511	-6.537	0.218	0.853	23.521	319.981	1
49159_9160	49159	9160	-56.656	-18.946	0.126	2.063	29.605	1695.537	1
49160_9160	49160	9160	-26.511	-6.632	0.168	0.403	25.706	385.349	1
49160_9161	49160	9161	-54.513	-17.34	0.034	-0.72	29.921	1623.455	1
49161_9161	49161	9161	-26.511	-6.632	0.168	0.403	27.552	458.24	1
49161_9162	49161	9162	-51.612	-12.613	0.028	0.192	29.891	1508.773	1
49162_9162	49162	9162	-26.511	-6.83	0.057	0.399	29.4	531.196	1
49162_9163	49162	9163	-47.065	-9.968	-0.58	-0.608	21.372	1348.36	1
49163_9163	49163	9163	-26.453	-7.054	0.025	-0.613	30.175	626.987	1
49163_9164	49163	9164	-43.775	-7.174	-0.571	-1.653	16.998	1231.403	1
49164_9164	49164	9164	-26.332	-7.634	-0.124	0.082	30.393	685.186	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49164_9165	49164	9165	-38.636	-5.463	-1.084	-1.227	5.859	1054.764	1
49165_9165	49165	9165	-26.129	-8.3	-0.144	-1.275	28.892	781.79	1
49165_9166	49165	9166	-32.444	-1.772	-0.85	-1.255	-1.014	827.42	1
49166_9166	49166	9166	-25.91	-9.001	0.58	-1.377	26.977	891.906	1
49166_9167	49166	9167	-26.571	1.322	1.084	-1.19	20.597	574.532	1
49167_9167	49167	9167	62.649	-27.053	-2.145	4.53	-15.267	1108.805	1
49167_9168	49167	9168	30.891	-4.328	0.108	0.669	4.072	454.754	1
49168_9168	49168	9168	-43.8	26.592	0.699	-2.998	-8.378	741.314	1
49168_9169	49168	9169	54.816	-31.785	-4.258	0.019	80.686	761.502	1
49169_9169	49169	9169	-50.658	20.273	-0.003	-1.99	14.79	507.491	1
49169_9170	49169	9170	51.476	-28.865	-4.238	2.365	44.203	877.758	1
49170_9170	49170	9170	-37.214	2.623	1.855	1.721	-33.874	375.84	1
49170_9171	49170	9171	48.02	-25.638	-4.032	1.873	9.535	968.887	1
49171_9171	49171	9171	-37.212	2.348	0.909	1.579	-19.5	355.507	1
49171_9172	49171	9172	44.819	-23.014	-0.364	0.339	4.611	1048.98	1
49172_9172	49172	9172	-39.524	2.276	0.88	1.207	-12.875	337.115	1
49172_9173	49172	9173	42.055	-19.251	-0.261	-0.406	0.921	1107.49	1
49173_9173	49173	9173	-39.523	2.276	0.929	1.606	-5.839	318.904	1
49173_9174	49173	9174	40.09	-15.174	-0.245	1.52	-2.134	1146.469	1
49174_9174	49174	9174	-43.603	1.787	0.719	1.083	0.982	300.953	1
49174_9175	49174	9175	39.08	-14.296	-0.053	-0.598	-2.635	1169.884	1
49175_9175	49175	9175	-43.604	1.787	0.647	0.599	5.298	290.235	1
49175_9176	49175	9176	38.556	-11.069	0.022	-2.243	-2.682	1179.045	1
49176_9176	49176	9176	-46.418	1.614	0.724	1.108	8.794	279.805	1
49176_9177	49176	9177	41.776	-22.524	0.032	1.667	-2.118	1169.137	1
49177_9177	49177	9177	-59.504	-1.171	-0.6	-0.913	3.986	281.571	1
49177_9178	49177	9178	43.672	-19.458	0.04	1.966	-1.651	1145.843	1
49178_9178	49178	9178	-59.502	-1.482	-0.933	-1.755	0.383	288.595	1
49178_9179	49178	9179	46.791	-17.549	0.365	-1.046	1.852	1106.644	1
49179_9179	49179	9179	-55.639	-1.626	-0.829	-1.304	-6.206	301.116	1
49179_9180	49179	9180	50.658	-13.801	0.354	0.902	5.986	1048.272	1
49180_9180	49180	9180	-55.546	-1.629	-0.897	-1.695	-12.809	314.143	1
49180_9181	49180	9181	54.912	-10.367	0.467	0.206	11.396	968.662	1
49181_9181	49181	9181	-55.547	-1.922	-1.926	-1.852	-19.988	327.177	1
49181_9182	49181	9182	59.367	-7.957	4.093	-1.53	45.452	878.165	1
49182_9182	49182	9182	-51.476	-14.973	0.659	1.932	24.72	371.139	1
49182_9183	49182	9183	63.646	-5.056	4.171	-0.86	80.76	774.694	1
49183_9183	49183	9183	-44.819	-20.289	-0.026	1.959	14.669	514.495	1
49183_9184	49183	9184	68.916	-1.996	4.254	-0.056	124.225	627.281	1
49184_9184	49184	9184	46.158	36.297	2.565	-5.067	-46.903	1494.675	1
49184_9185	49184	9185	-23.421	-38.313	-1.07	1.287	20.961	551.762	1
49185_9185	49185	9185	45.138	33.071	2.23	-3.525	-13.517	1067.833	1
49185_9186	49185	9186	-26.713	-34.798	-1.691	2.124	-0.675	821.138	1
49186_9186	49186	9186	-14.815	7.278	0.155	0.984	28.449	863.696	1
49186_9187	49186	9187	-30.36	-31.275	1.144	2.045	6.396	1079.2	1
49187_9187	49187	9187	-14.995	6.901	0.154	0.096	30.526	763.178	1
49187_9188	49187	9188	-33.237	-27.653	1.307	2.524	18.084	1269.593	1
49188_9188	49188	9188	-15.019	6.494	-0.093	0.324	32.434	682.089	1
49188_9189	49188	9189	-35.137	-26.943	0.649	2.105	22.428	1404.275	1
49189_9189	49189	9189	-15.073	6.367	-0.104	-0.382	31.667	626.021	1
49189_9190	49189	9190	-38.122	-21.53	0.743	2.228	31.745	1581.989	1
49190_9190	49190	9190	-14.706	6.199	-0.143	-0.341	30.546	538.477	1
49190_9191	49190	9191	-42.265	-36.247	0.192	4.189	33.635	1722.759	1
49191_9191	49191	9191	-14.705	6.199	-0.156	-0.769	28.974	470.286	1
49191_9192	49191	9192	-42.541	-31.029	0.166	3.899	35.16	1804.838	1
49192_9192	49192	9192	-14.705	6.105	-0.164	-1.059	27.254	402.095	1
49192_9193	49192	9193	-42.441	-29.583	0.136	1.037	36.249	1861.894	1
49193_9193	49193	9193	-14.706	6.105	-0.149	-0.716	25.623	341.351	1
49193_9194	49193	9194	-42.017	-24.918	0.199	3.872	38.029	1869.918	1
49194_9194	49194	9194	-12.174	-6.729	0.297	0.702	28.248	324.433	1
49194_9195	49194	9195	-41.253	-23.52	0.17	-0.515	39.491	1862.999	1
49195_9195	49195	9195	-12.174	-6.729	0.309	1.095	31.199	391.383	1
49195_9196	49195	9196	-40.1	-19.044	0.222	2.306	41.369	1812.709	1
49196_9196	49196	9196	-12.173	-6.896	0.235	0.242	34.268	458.263	1
49196_9197	49196	9197	-38.417	-17.209	0.036	-1.847	41.268	1736.622	1
49197_9197	49197	9197	-12.636	-6.907	0.243	0.727	36.518	534.23	1
49197_9198	49197	9198	-36.184	-12.617	0.087	0.765	41.416	1619.15	1
49198_9198	49198	9198	-12.635	-7.17	0.055	-0.209	39.19	610.204	1
49198_9199	49198	9199	-32.698	-9.76	-0.756	-2.161	29.672	1450.643	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49199_9199	49199	9199	-12.662	-7.279	0.063	-0.015	39.857	711.907	1
49199_9200	49199	9200	-30.218	-6.99	-0.641	-0.724	24.372	1334.026	1
49200_9200	49200	9200	-12.539	-7.645	-0.171	-0.697	40.372	771.964	1
49200_9201	49200	9201	-26.398	-4.904	-1.005	-2.474	13.878	1145.67	1
49201_9201	49201	9201	-12.342	-7.959	-0.17	-1.635	38.33	865.793	1
49201_9202	49201	9202	-21.928	-1.202	-0.769	-1.61	7.155	903.185	1
49202_9202	49202	9202	-12.488	-8.375	0.78	-1.453	35.372	971.592	1
49202_9203	49202	9203	-17.846	1.944	1.132	-1.468	27.663	636.429	1
49203_9203	49203	9203	45.677	-29.979	-2.424	5.558	-32.179	1092.173	1
49203_9204	49203	9204	-0.879	-2.564	0.103	-1.036	20.648	413.741	1
49204_9204	49204	9204	-46.951	25.255	0.073	-3.708	13.703	775.437	1
49204_9205	49204	9205	64.314	-30.023	-4.58	-0.316	97.107	833.405	1
49205_9205	49205	9205	-53.763	19.126	-0.782	-2.398	36.632	549.135	1
49205_9206	49205	9206	60.299	-27.303	-4.527	2.523	56.541	941.054	1
49206_9206	49206	9206	-60.698	14.732	-1.45	-1.81	42.335	418.64	1
49206_9207	49206	9207	56.173	-24.317	-4.339	3.186	17.949	1019.735	1
49207_9207	49207	9207	-52.674	0.329	1.336	1.712	-35.022	338.14	1
49207_9208	49207	9208	52.264	-21.761	-0.7	-1.92	9.041	1087.729	1
49208_9208	49208	9208	-55.032	0.235	1.429	2.197	-25.131	336.088	1
49208_9209	49208	9209	48.804	-18.247	-0.685	0.015	0.908	1137.338	1
49209_9209	49209	9209	-55.133	0.23	1.499	2.617	-13.726	334.208	1
49209_9210	49209	9210	46.124	-14.438	-0.639	2.023	-6.022	1170.443	1
49210_9210	49210	9210	-59.213	-0.381	0.985	0.789	-2.296	333.351	1
49210_9211	49210	9211	42.577	-29.317	0.172	-2.559	-6.094	1195.441	1
49211_9211	49211	9211	-59.211	-0.381	1.084	1.348	3.615	335.633	1
49211_9212	49211	9212	43.045	-26.239	0.121	-0.202	-4.987	1209.873	1
49212_9212	49212	9212	-62.061	-0.577	1.191	1.971	9.757	338.852	1
49212_9213	49212	9213	43.879	-23.225	0.068	2.083	-3.969	1206.377	1
49213_9213	49213	9213	-65.334	-0.859	1.305	2.612	16.495	342.817	1
49213_9214	49213	9214	45.16	-20.356	0.013	4.161	-3.125	1190.916	1
49214_9214	49214	9214	-68.361	-1.49	1.412	0.4	23.925	348.261	1
49214_9215	49214	9215	47.441	-18.719	0.866	-3.186	5.327	1165.836	1
49215_9215	49215	9215	-71.594	-1.931	1.599	1.363	34.735	361.262	1
49215_9216	49215	9216	50.424	-15.225	0.826	0.14	14.521	1124.719	1
49216_9216	49216	9216	-76.538	-3.013	1.792	2.448	46.194	379.292	1
49216_9217	49216	9217	53.777	-12.02	0.762	3.165	23.803	1065.662	1
49217_9217	49217	9217	-79.913	-5.23	2.073	-0.605	56.883	408.609	1
49217_9218	49217	9218	57.372	-10.089	4.339	-4.846	61.316	999.506	1
49218_9218	49218	9218	-70.17	-12.266	1.586	1.998	51.33	471.933	1
49218_9219	49218	9219	60.774	-7.38	4.179	-0.52	98.094	922.746	1
49219_9219	49219	9219	-60.267	-16.914	0.914	3.078	43.52	602.991	1
49219_9220	49219	9220	64.935	-4.5	4.153	1.395	142.084	806.349	1
49220_9220	49220	9220	-4.471	11.252	-0.323	0.373	64.116	1478.134	1
49220_9221	49220	9221	-17.341	-36.231	-0.824	0.735	32.552	800.307	1
49221_9221	49221	9221	-4.326	11.092	-0.303	3.036	60.536	1336.918	1
49221_9222	49221	9222	-19.547	-32.259	-1.307	3.208	17.979	1075.986	1
49222_9222	49222	9222	-4.611	10.632	-0.151	-1.187	56.933	1197.998	1
49222_9223	49222	9223	-22.2	-28.4	0.734	-0.874	22.716	1328.387	1
49223_9223	49223	9223	-4.664	10.505	-0.13	2.639	55.101	1055.609	1
49223_9224	49223	9224	-24.456	-24.312	0.995	5.531	31.649	1502.971	1
49224_9224	49224	9224	-4.842	9.987	-0.373	-1.809	53.636	932.341	1
49224_9225	49224	9225	-26.057	-23.247	0.35	-2.415	34.674	1619.416	1
49225_9225	49225	9225	-4.926	9.946	-0.356	0.628	50.541	849.897	1
49225_9226	49225	9226	-31.994	-34.147	0.612	5.119	42.929	1774.137	1
49226_9226	49226	9226	-4.928	9.597	-0.378	-1.614	45.383	705.935	1
49226_9227	49226	9227	-32.74	-30.95	-0.139	-0.886	41.439	1860.302	1
49227_9227	49227	9227	-4.573	9.589	-0.37	-0.041	41.253	596.89	1
49227_9228	49227	9228	-32.95	-25.57	-0.08	4.459	40.172	1880.467	1
49228_9228	49228	9228	-4.45	9.379	-0.458	-1.55	37.077	487.867	1
49228_9229	49228	9229	-32.647	-23.067	-0.173	-2.253	37.986	1869.307	1
49229_9229	49229	9229	-9.447	-8.989	0.101	1.419	30.572	537.383	1
49229_9230	49229	9230	-31.715	-17.983	-0.12	3.099	35.859	1801.815	1
49230_9230	49230	9230	-9.446	-9.441	0.155	-1.192	31.721	639.526	1
49230_9231	49230	9231	-30.073	-15.361	-0.345	-3.919	30.831	1704.106	1
49231_9231	49231	9231	-9.446	-9.441	0.177	0.546	33.587	753.203	1
49231_9232	49231	9232	-28.401	-11.772	-0.252	0.389	28.144	1600.389	1
49232_9232	49232	9232	-9.408	-9.478	0.212	3.551	35.189	838.154	1
49232_9233	49232	9233	-27.727	-10.713	-0.13	6.162	27.774	1558.732	1
49233_9233	49233	9233	-9.304	-10.13	-0.153	-2.665	35.794	867.288	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49233_9234	49233	9234	-25.446	-9.287	-1.3	-4.895	15.805	1431.201	1
49234_9234	49234	9234	-9.948	-10.304	-0.145	-0.607	33.605	964.121	1
49234_9235	49234	9235	-23.486	-6.985	-1.12	-0.978	8.946	1317.757	1
49235_9235	49235	9235	-9.793	-10.452	-0.114	1.975	32.654	1044.371	1
49235_9236	49235	9236	-21.773	-5.209	-0.927	2.469	5.266	1219.407	1
49236_9236	49236	9236	-9.613	-10.842	-1.097	-3.211	31.7	1109.441	1
49236_9237	49236	9237	-19.007	-2.855	-1.797	-2.527	-7.905	1035.88	1
49237_9237	49237	9237	-9.415	-11.018	-1.058	1.115	21.172	1216.355	1
49237_9238	49237	9238	-16.438	-0.318	-1.81	1.91	-21.91	843.651	1
49238_9238	49238	9238	-9.116	-13.013	1.476	-5.816	10.653	1319.227	1
49238_9239	49238	9239	-13.862	-1.548	3.177	-6.139	8.263	668.613	1
49239_9239	49239	9239	-9.155	-13.16	1.496	-3.226	23.876	1436.249	1
49239_9240	49239	9240	-12.816	-0.485	2.998	-4.542	19.425	583.983	1
49240_9240	49240	9240	-64.846	20.522	1.129	0.366	27.713	821.939	1
49240_9241	49240	9241	71.715	-20.589	2.319	14.436	93.527	997.467	1
49241_9241	49241	9241	-68.629	17.391	-1.695	-4.618	45.31	695.952	1
49241_9242	49241	9242	70.502	-26.003	-2.137	-4.866	85.085	1022.917	1
49242_9242	49242	9242	-69.909	16.66	-1.615	-3.288	42.982	638.528	1
49242_9243	49242	9243	64.989	-21.554	-1.938	-2.052	54.269	1113.214	1
49243_9243	49243	9243	-79.285	9.655	-1.829	-1.784	44.791	474.002	1
49243_9244	49243	9244	61.152	-18.109	-1.812	1.383	35.451	1147.299	1
49244_9244	49244	9244	-75.846	6.185	-1.366	-3.163	34.038	403.027	1
49244_9245	49244	9245	57.422	-18.089	-2.528	-3.085	8.891	1210.876	1
49245_9245	49245	9245	-66.749	3.998	-1.237	-1.876	21.528	350.7	1
49245_9246	49245	9246	55.015	-14.194	-2.731	0.894	-17.569	1245.275	1
49246_9246	49246	9246	-62.491	3.281	-0.82	-2.675	10.575	316.495	1
49246_9247	49246	9247	53.49	-27.423	0.151	-0.992	-15.214	1272.997	1
49247_9247	49247	9247	-66.09	-2.984	0.765	2.712	1.716	313.328	1
49247_9248	49247	9248	55.019	-23.305	-0.078	3.522	-14.53	1272.948	1
49248_9248	49248	9248	-69.756	-3.738	1.234	1.316	8.253	342.8	1
49248_9249	49248	9249	57.392	-20.597	0.844	-1.117	-4.539	1256.085	1
49249_9249	49249	9249	-75.75	-4.723	1.435	2.431	19.393	382.55	1
49249_9250	49249	9250	60.873	-16.559	0.728	2.397	5.944	1215.74	1
49250_9250	49250	9250	-79.184	-6.008	2.493	0.901	33.375	434.625	1
49250_9251	49250	9251	64.653	-14.263	4.02	-0.948	49.703	1165.896	1
49251_9251	49251	9251	-83.118	-8.579	2.613	2.403	54.604	505.86	1
49251_9252	49251	9252	68.577	-10.932	3.838	2.35	91.436	1092.254	1
49252_9252	49252	9252	-77.173	-13.974	-2.254	-8.585	61.2	609.825	1
49252_9253	49252	9253	69.981	-13.28	-3.51	-16.323	81.452	1074.054	1
49253_9253	49253	9253	-74.584	-15.1	-1.93	-6.551	49.112	657.761	1
49253_9254	49253	9254	73.618	-10.156	-3.765	-13.835	47.676	1014.261	1
49254_9254	49254	9254	-6.838	16.681	-5.868	15.5	38.147	1592.241	1
49254_9255	49254	9255	-15.996	-28.648	-8.26	16.923	-73.091	856.345	1
49255_9255	49255	9255	-7.668	11.698	3.324	-1.205	-29.985	1393.534	1
49255_9256	49255	9256	-18.431	-31.83	4.737	-1.552	-21.381	1068.815	1
49256_9256	49256	9256	-7.897	11.536	3.354	3.161	5.198	1268.748	1
49256_9257	49256	9257	-20.454	-28.213	4.77	3.42	31.713	1255.057	1
49257_9257	49257	9257	-8.068	10.875	0.021	-1.591	42.304	1141.827	1
49257_9258	49257	9258	-21.355	-29.589	-0.646	-2.286	29.156	1337.63	1
49258_9258	49258	9258	-8.24	10.745	0.035	-0.464	42.329	1086.158	1
49258_9259	49258	9259	-23.466	-26.317	-0.658	0.228	22.785	1485.789	1
49259_9259	49259	9259	-8.382	10.634	0.058	1.554	42.642	977.588	1
49259_9260	49259	9260	-24.825	-24.088	-0.606	4.221	18.579	1574.789	1
49260_9260	49260	9260	-8.466	10.145	-0.395	-3.932	43.061	906.063	1
49260_9261	49260	9261	-25.436	-24.535	0.195	-6.542	19.346	1618.5	1
49261_9261	49261	9261	-8.508	10.112	-0.368	-1.361	41.794	874.788	1
49261_9262	49261	9262	-28.116	-20.057	0.26	-1.061	23.105	1749.926	1
49262_9262	49262	9262	-8.509	10.112	-0.341	1.033	37.575	758.897	1
49262_9263	49262	9263	-34.39	-32.792	0.317	6.128	29.794	1828.958	1
49263_9263	49263	9263	-8.413	9.707	-0.184	-1.571	34.293	659.142	1
49263_9264	49263	9264	-35.722	-29.646	0.066	-0.723	32.33	1898.257	1
49264_9264	49264	9264	-8.414	9.707	-0.169	-0.586	32.133	545.14	1
49264_9265	49264	9265	-36.467	-24.464	0.046	3.164	33.511	1901.144	1
49265_9265	49265	9265	-20.705	-10.561	0.018	-0.161	26.731	519.121	1
49265_9266	49265	9266	-36.491	-21.59	-0.085	-2.028	32.705	1877.792	1
49266_9266	49266	9266	-20.705	-10.561	0.054	0.935	26.948	643.39	1
49266_9267	49266	9267	-35.797	-16.793	-0.081	1.64	31.29	1799.186	1
49267_9267	49267	9267	-20.713	-11.013	-0.143	-1.294	27.555	762.811	1
49267_9268	49267	9268	-35.084	-16.122	-0.769	-3.705	25.841	1744.84	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49268_9268	49268	9268	-20.713	-11.013	-0.132	-0.823	26.596	836.466	1
49268_9269	49268	9269	-34.08	-13.449	-0.707	-2.308	21.082	1673.14	1
49269_9269	49269	9269	-20.609	-11.206	-0.099	0.377	25.714	911.393	1
49269_9270	49269	9270	-32.092	-10.174	-0.579	0.508	15.959	1552.419	1
49270_9270	49270	9270	-20.418	-11.98	-0.31	-3.039	24.685	1019.608	1
49270_9271	49270	9271	-29.499	-8.369	-1.006	-4.185	7.654	1408.313	1
49271_9271	49271	9271	-20.51	-12.371	-0.289	-1.491	20.967	1148.691	1
49271_9272	49271	9272	-27.208	-6.089	-0.834	-1.594	3.935	1279.322	1
49272_9272	49272	9272	-20.36	-12.617	-0.239	1.224	18.756	1249.557	1
49272_9273	49272	9273	-25.693	-4.734	-0.689	1.427	2.899	1185.389	1
49273_9273	49273	9273	-20.114	-13.044	0.979	-4.647	17.136	1314.822	1
49273_9274	49273	9274	-22.031	-1.562	0.405	-3.112	13.486	948.79	1
49274_9274	49274	9274	-19.777	-13.542	1.058	0.108	29.221	1470.348	1
49274_9275	49274	9275	-17.942	1.799	-0.102	0.543	10.265	645.575	1
49275_9275	49275	9275	-70.648	18.557	-1.762	-2.478	65.646	828.303	1
49275_9276	49275	9276	67.519	-26.594	-3.217	-0.19	103.386	1051.523	1
49276_9276	49276	9276	-75.699	-16.363	-1.996	-1.347	67.058	744.447	1
49276_9277	49276	9277	65.529	-24.962	-3.17	1.218	84.503	1085.334	1
49277_9277	49277	9277	-81.353	14.244	-2.168	0.232	66.172	666.829	1
49277_9278	49277	9278	61.815	-21.528	-2.997	3.642	48.93	1139.164	1
49278_9278	49278	9278	-92.027	10.334	-1.496	-3.532	56.374	553.706	1
49278_9279	49278	9279	57.6	-19.2	-0.858	-3.468	31.911	1186.951	1
49279_9279	49279	9279	-92.374	6.409	-1.136	-1.219	43.15	462.436	1
49279_9280	49279	9280	54.142	-14.332	-0.874	2.225	15.413	1203.451	1
49280_9280	49280	9280	-88.037	4.966	-0.407	-3.146	29.99	395.447	1
49280_9281	49280	9281	52.253	-12.474	0.493	-3.785	17.156	1223.932	1
49281_9281	49281	9281	-82.113	3.858	-0.031	-1.574	25.02	343.986	1
49281_9282	49281	9282	51.876	-6.966	0.401	1.888	18.812	1195.672	1
49282_9282	49282	9282	-78.559	3.805	-1.481	-2.178	24.373	327.318	1
49282_9283	49282	9283	60.031	-20.59	0.138	-1.889	8.85	1143.476	1
49283_9283	49283	9283	-71.349	-5.222	1.43	2.253	-6.646	345.862	1
49283_9284	49283	9284	65.316	-16.249	0.098	3.503	8.514	1097.629	1
49284_9284	49284	9284	-76.738	-8.01	4.535	0.372	9.08	415.827	1
49284_9285	49284	9285	70.764	-15.707	3.785	-1.289	48.085	1069.638	1
49285_9285	49285	9285	-77.915	-10.997	4.615	2.077	52.487	510.625	1
49285_9286	49285	9286	75.831	-12.489	3.925	2.099	89.602	1024.362	1
49286_9286	49286	9286	-70.188	-16.781	-3.005	-2.227	78.176	635.334	1
49286_9287	49286	9287	78.038	-14.253	-3.933	-5.892	77.03	1012.157	1
49287_9287	49287	9287	-67.537	-17.898	-2.816	-2.365	61.277	709.259	1
49287_9288	49287	9288	83.01	-11.458	-4.117	-6.098	43.202	979.609	1
49288_9288	49288	9288	0.42	15.407	-5.846	9.124	28.66	1601.745	1
49288_9289	49288	9289	-6.415	-30.692	-6.966	9.904	-58.98	849.277	1
49289_9289	49289	9289	-0.141	9.324	3.57	-1.237	-32.904	1437.204	1
49289_9290	49289	9290	-6.034	-33.77	3.935	-1.343	-10.448	1146.113	1
49290_9290	49290	9290	-0.384	9.316	3.572	1.872	9.378	1326.311	1
49290_9291	49290	9291	-7.192	-49.495	3.567	2.985	36.307	1429.869	1
49291_9291	49291	9291	-0.693	8.082	-0.816	-2.814	50.922	1218.481	1
49291_9292	49291	9292	-6.651	-51.39	-0.235	-2.763	35.494	1536.4	1
49292_9292	49292	9292	-0.817	8.07	-0.814	-0.27	47.453	1184.796	1
49292_9293	49292	9293	-6.094	-48.575	-0.144	0.948	34.641	1733.511	1
49293_9293	49293	9293	-0.791	8.041	-0.823	1.56	41.32	1120.226	1
49293_9294	49293	9294	-5.788	-45.688	-0.081	4.094	34.769	1915.93	1
49294_9294	49294	9294	-0.78	6.936	-0.322	-3.91	34.75	1056.179	1
49294_9295	49294	9295	-5.901	-48.407	-0.904	-5.966	31.881	2014.613	1
49295_9295	49295	9295	-0.781	6.936	-0.319	-0.537	33.46	1028.597	1
49295_9296	49295	9296	-6.13	-44.531	-0.934	0.798	23.673	2247.445	1
49296_9296	49296	9296	-0.782	6.936	-0.317	1.697	30.209	957.942	1
49296_9297	49296	9297	-6.284	-41.342	-0.951	5.986	16.334	2406.301	1
49297_9297	49297	9297	-0.78	6.338	-0.202	-1.845	27.587	900.774	1
49297_9298	49297	9298	-6.44	-40.109	-0.216	-2.946	14.899	2614.18	1
49298_9298	49298	9298	-0.781	6.338	-0.199	0.972	25.269	827.934	1
49298_9299	49298	9299	-6.554	-35.89	-0.275	5.921	12.26	2750.937	1
49299_9299	49299	9299	-0.782	5.853	-0.246	-1.901	23.144	760.361	1
49299_9300	49299	9300	-6.613	-35.359	-0.224	-4.418	9.941	2873.535	1
49300_9300	49300	9300	-0.783	5.853	-0.244	0.351	20.482	697.149	1
49300_9301	49300	9301	-6.603	-30.182	-0.267	4.841	6.331	2938.696	1
49301_9301	49301	9301	-0.785	5.504	-0.281	-1.922	17.358	622.281	1
49301_9302	49301	9302	-6.62	-11.224	-0.231	-6.965	4.505	2993.124	1
49302_9302	49302	9302	-0.786	5.504	-0.277	0.251	14.032	557.026	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49302_9303	49302	9303	-6.607	-6.422	-0.253	4.999	0.483	2983.38	1
49303_9303	49303	9303	-0.758	5.273	-0.264	-1.601	10.783	492.413	1
49303_9304	49303	9304	-6.491	-5.128	-0.192	-6.61	-2.607	2933.57	1
49304_9304	49304	9304	-0.759	5.273	-0.261	-0.172	7.47	426.177	1
49304_9305	49304	9305	-6.289	-0.368	-0.205	3.425	-5.6	2807.504	1
49305_9305	49305	9305	-0.648	5.207	-0.116	-1.687	4.581	368.043	1
49305_9306	49305	9306	-5.971	1.155	-0.014	-8.723	-5.937	2636.972	1
49306_9306	49306	9306	-0.649	5.207	-0.113	-0.423	3.3	310.511	1
49306_9307	49306	9307	-5.457	6.973	-0.039	2.165	-6.717	2333.499	1
49307_9307	49307	9307	-0.622	5.281	0.375	-1.272	1.873	245.205	1
49307_9308	49307	9308	-5.167	16.231	0.339	-6.279	-2.481	1965.104	1
49308_9308	49308	9308	-0.439	5.265	0.383	-0.795	6.356	182.553	1
49308_9309	49308	9309	-4.42	22.078	0.254	-0.806	-0.337	1505.769	1
49309_9309	49309	9309	-0.337	5.303	0.918	-0.971	10.859	120.967	1
49309_9310	49309	9310	-3.437	26.885	0.595	-4.855	5.68	923.196	1
49310_9310	49310	9310	0.44	5.098	0.983	-0.761	22.624	58.539	1
49310_9311	49310	9311	-2.235	33.347	0.428	-1.277	8.201	212.953	1
49311_9311	49311	9311	4.287	-5.588	5.593	-3.997	-18.555	19.465	1
49311_9312	49311	9312	1.475	-5.422	8.415	-2.551	0	25.75	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
9000_9000	9000	9000	-1.405	-5.477	0.638	0.191	0	-5.783	1
9000_9001	9000	9001	-2.793	5.716	-0.812	-0.22	-6.743	-25.718	1
9001_9001	9001	9001	-38.955	27.512	-0.122	-0.79	-1.009	-321.317	1
9001_9002	9001	9002	-6.76	5.771	-0.796	-0.226	-13.68	-58.288	1
9002_9002	9002	9002	-75.288	23.591	0.172	-0.573	-3.097	-617.013	1
9002_9003	9002	9003	-11.959	5.533	0.373	-0.208	-8.815	-100.765	1
9003_9003	9003	9003	-115.722	17.434	0.224	-1.13	-1.893	-946.054	1
9003_9004	9003	9004	-17.225	5.533	0.373	-0.25	-4.307	-143.321	1
9004_9004	9004	9004	-146.449	8.729	0.013	-0.357	0.683	-1195.161	1
9004_9005	9004	9005	-22.638	5.714	-0.002	-0.201	-4.316	-187.223	1
9005_9005	9005	9005	-171.968	3.137	0.036	-1.058	0.452	-1402.921	1
9005_9006	9005	9006	-28.078	5.714	-0.002	-0.278	-4.342	-231.157	1
9006_9006	9006	9006	-188.968	1.198	-0.052	-0.246	0.583	-1541.446	1
9006_9007	9006	9007	-33.495	5.691	-0.074	-0.189	-5.241	-274.91	1
9007_9007	9007	9007	-201.483	-3.921	-0.036	-0.682	-0.494	-1643.363	1
9007_9008	9007	9008	-38.912	5.691	-0.074	-0.243	-6.141	-318.657	1
9008_9008	9008	9008	-206.844	-4.87	-0.065	-0.175	-1.354	-1687.154	1
9008_9009	9008	9009	-44.436	5.801	-0.078	-0.185	-7.089	-363.273	1
9009_9009	9009	9009	-209.537	-9.699	-0.049	-0.254	-2.662	-1709.114	1
9009_9010	9009	9010	-49.956	5.801	-0.078	-0.176	-8.037	-407.854	1
9010_9010	9010	9010	-206.087	-10.469	-0.089	0.403	-3.702	-1681.191	1
9010_9011	9010	9011	-55.651	5.982	-0.081	-0.045	-9.021	-453.851	1
9011_9011	9011	9011	-202.738	-31.823	-0.098	-0.114	-4.449	-1654.189	1
9011_9012	9011	9012	-61.346	5.982	-0.082	-0.22	-10.009	-499.838	1
9012_9012	9012	9012	-194.003	-32.834	-0.161	0.777	-5.755	-1583.569	1
9012_9013	9012	9013	-67.268	6.223	-0.072	0.035	-10.882	-547.673	1
9013_9013	9013	9013	-183.337	-37.465	-0.139	0.11	-7.791	-1497.117	1
9013_9014	9013	9014	-73.19	6.223	-0.073	-0.177	-11.758	-595.498	1
9014_9014	9014	9014	-167.505	-39.892	0.039	0.738	-9.27	-1368.75	1
9014_9015	9014	9015	-81.135	6.516	-0.055	0.05	-12.53	-659.862	1
9015_9015	9015	9015	-157.635	-44.835	0.029	0.114	-5.69	-1199.203	1
9015_9016	9015	9016	-91.407	6.267	-0.037	-0.026	-8.729	-708.963	1
9016_9016	9016	9016	-137.087	-46.194	0.193	0.449	-5.335	-1079.698	1
9016_9017	9016	9017	-89.343	6.208	0.012	0.17	-8.579	-770.856	1
9017_9017	9017	9017	-101.362	-50.584	0.188	0.261	-3.107	-918.165	1
9017_9018	9017	9018	-79.791	6.103	0.012	0.116	-8.435	-855.151	1
9018_9018	9018	9018	-63.81	-35.395	-0.218	0.28	-2.186	-720.299	1
9018_9019	9018	9019	-69.077	6.281	-0.075	0.324	-9.251	-938.721	1
9019_9019	9019	9019	-33.974	-38.714	-0.131	0.209	-4.492	-522.759	1
9019_9020	9019	9020	-58.275	6.416	-0.075	0.309	-10.216	-1027.466	1
9020_9020	9020	9020	-116.342	-4.155	0.692	0.157	-23.337	-473.609	1
9020_9021	9020	9021	-15.23	-16.159	0.179	0.233	-7.697	-378.566	1
9021_9021	9021	9021	-120.167	-6.715	0.545	-0.112	-12.289	-524.625	1
9021_9022	9021	9022	-3.888	-12.425	0.204	0.046	-6.611	-289.74	1
9022_9022	9022	9022	-122.606	-9.16	0.522	-0.086	-7.446	-567.319	1
9022_9023	9022	9023	11.421	-4.203	0.334	0.037	-7.572	-255.192	1
9023_9023	9023	9023	-124.21	-10.996	0.082	0.079	-2.892	-604.532	1
9023_9024	9023	9024	12.234	-2.644	0.198	0.101	-6.284	-238.087	1
9024_9024	9024	9024	-125.475	-13.938	0.072	0.05	-1.832	-638.001	1
9024_9025	9024	9025	12.961	-2.266	0.197	0.098	-4.755	-225.642	1
9025_9025	9025	9025	-125.641	-17.164	0.068	-0.063	-0.93	-661.367	1
9025_9026	9025	9026	11.977	-1.704	0.184	0.065	-3.334	-215.529	1
9026_9026	9026	9026	-125.144	-18.699	0.016	0.175	-0.183	-675.945	1
9026_9027	9026	9027	12.787	-1.489	0.159	0.135	-2.378	-209.839	1
9027_9027	9027	9027	-124.838	-21.353	0.02	0.039	0.019	-684.94	1
9027_9028	9027	9028	12.222	-1.29	0.146	0.093	-1.531	-204.733	1
9028_9028	9028	9028	-123.955	-24.163	0.015	0.029	0.218	-687.351	1
9028_9029	9028	9029	12.37	-1.222	0.147	0.096	-0.663	-199.883	1
9029_9029	9029	9029	-121.138	-12.669	-0.013	-0.096	0.384	-679.241	1
9029_9030	9029	9030	11.862	-1.091	0.145	0.09	0.177	-195.618	1
9030_9030	9030	9030	-120.163	-13.297	-0.049	0.065	0.28	-668.133	1
9030_9031	9030	9031	12.412	-0.756	0.18	0.143	1.613	-191.773	1
9031_9031	9031	9031	-119.021	-16.829	-0.062	0.033	-0.299	-651.25	1
9031_9032	9031	9032	35.416	3.791	-0.18	-0.095	-3.663	-192.621	1
9032_9032	9032	9032	-117.144	-20.068	-0.067	-0.085	-1.086	-625.158	1
9032_9033	9032	9033	30.97	6.5	-0.184	-0.134	-4.899	-216.579	1
9033_9033	9033	9033	-114.177	-22.156	-0.503	0.153	-1.998	-588.825	1
9033_9034	9033	9034	7.502	13.78	-0.192	-0.068	-4.98	-266.421	1

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9034_9034	9034	9034	-110.823	-24.897	-0.526	0.124	-6.474	-548.294	1
9034_9035	9034	9035	-10.688	17.675	-0.108	-0.092	-4.461	-342.735	1
9035_9035	9035	9035	-104.98	-27.481	-0.688	-0.137	-14.597	-510.332	1
9035_9036	9035	9036	-30.964	23.295	-0.011	-0.284	-2.513	-490.417	1
9036_9036	9036	9036	-23.036	-6.363	0.032	0.143	-0.772	-303.321	1
9036_9037	9036	9037	-44.503	-10.077	0.063	-0.195	-5.554	-860.459	1
9037_9037	9037	9037	-19.983	1.656	0.105	-0.259	-3.072	-473.796	1
9037_9038	9037	9038	-51.993	-9.279	0.053	-0.376	-4.876	-754.724	1
9038_9038	9038	9038	-42.224	-1.026	-0.107	-0.056	-0.966	-637.175	1
9038_9039	9038	9039	-57.049	-8.46	-0.022	-0.106	-5.19	-657.642	1
9039_9039	9039	9039	-71.198	-4.406	-0.144	-0.249	-2.006	-778.193	1
9039_9040	9039	9040	-57.229	-7.979	-0.028	-0.153	-5.513	-579.792	1
9040_9040	9040	9040	-93.726	-6.106	-0.098	-0.123	-3.607	-887.729	1
9040_9041	9040	9041	-53.544	-7.48	-0.018	-0.058	-5.666	-536.806	1
9041_9041	9041	9041	-120.798	-9.359	-0.051	-0.082	-2.136	-892.735	1
9041_9042	9041	9042	-51.23	-7.329	-0.008	-0.005	-2.838	-427.363	1
9042_9042	9042	9042	-136.871	-11.177	0.011	0.027	-3.042	-1003.127	1
9042_9043	9042	9043	-43.249	-6.941	0.018	0.035	-2.623	-376.806	1
9043_9043	9043	9043	-148.999	0.369	0.008	-0.197	-3.067	-1082.555	1
9043_9044	9043	9044	-35.274	-6.941	0.017	0.009	-2.424	-326.296	1
9044_9044	9044	9044	-157.852	-0.791	0.003	0.004	-2.976	-1135.243	1
9044_9045	9044	9045	-27.566	-6.706	0.013	0.054	-2.269	-277.467	1
9045_9045	9045	9045	-165.518	-5.791	0.001	-0.141	-2.945	-1179.108	1
9045_9046	9045	9046	-34.182	6.861	-0.018	-0.064	-2.317	-243.427	1
9046_9046	9046	9046	-167.318	-6.847	-0.005	0.078	-2.916	-1184.811	1
9046_9047	9046	9047	-42.192	6.969	-0.02	-0.031	-2.55	-294.161	1
9047_9047	9047	9047	-166.322	-27.408	-0.004	0.04	-2.963	-1184.079	1
9047_9048	9047	9048	-50.201	6.969	-0.02	-0.053	-2.787	-344.892	1
9048_9048	9048	9048	-161.138	-28.633	-0.015	0.238	-3.026	-1145.547	1
9048_9049	9048	9049	-58.419	7.152	-0.023	-0.005	-3.064	-396.946	1
9049_9049	9049	9049	-154.636	-33.562	-0.016	0.11	-3.216	-1097.865	1
9049_9050	9049	9050	-66.636	7.152	-0.024	-0.035	-3.345	-448.997	1
9050_9050	9050	9050	-146.067	-19.152	0.055	0.172	-3.284	-1019.176	1
9050_9051	9050	9051	-77.529	7.438	-0.005	0.019	-3.416	-517.997	1
9051_9051	9051	9051	-124.199	-24.991	0.053	0.072	-2.755	-943.901	1
9051_9052	9051	9052	-77.471	7.328	-0.005	0.009	-3.925	-577.453	1
9052_9052	9052	9052	-110.82	-26	0.086	0.233	-2.301	-869.93	1
9052_9053	9052	9053	-77.893	7.341	-0.001	0.068	-3.932	-644.411	1
9053_9053	9053	9053	-76.82	-29.884	0.101	0.331	-1.954	-814.023	1
9053_9054	9053	9054	-64.814	7.583	-0.001	0.254	-5.359	-773.2	1
9054_9054	9054	9054	-48.263	-33.31	-0.173	0.327	-1.185	-662.551	1
9054_9055	9054	9055	-57.019	7.88	-0.064	0.308	-6.168	-866.272	1
9055_9055	9055	9055	-24.747	-36.951	-0.112	0.274	-3.121	-494.077	1
9055_9056	9055	9056	-48.46	8.199	-0.065	0.409	-6.929	-966.049	1
9056_9056	9056	9056	-110.736	-4.436	0.48	0.214	-15.453	-493.109	1
9056_9057	9056	9057	-2.881	-14.015	0.16	0.339	-6.056	-352.56	1
9057_9057	9057	9057	-115.894	-7.164	0.433	-0.073	-9.159	-565.879	1
9057_9058	9057	9058	15.317	-6.644	0.243	0.152	-6.909	-292.921	1
9058_9058	9058	9058	-119.753	-9.724	0.428	-0.29	-5.337	-619.155	1
9058_9059	9058	9059	17.578	-3.698	0.246	0.058	-5.72	-268.058	1
9059_9059	9059	9059	-122.536	-11.557	0.048	0.238	-1.654	-664.597	1
9059_9060	9059	9060	17.263	-2.631	0.158	0.266	-4.573	-251.459	1
9060_9060	9060	9060	-124.798	-14.545	0.048	0.003	-0.981	-704.655	1
9060_9061	9060	9061	17.026	-2.213	0.147	0.194	-3.432	-238.411	1
9061_9061	9061	9061	-125.889	-17.796	0.042	-0.066	-0.365	-733.135	1
9061_9062	9061	9062	16.433	-1.882	0.145	0.187	-2.305	-227.477	1
9062_9062	9062	9062	-126.144	-19.184	0.01	0.174	0.109	-750.868	1
9062_9063	9062	9063	16.023	-1.488	0.111	0.247	-1.664	-221.145	1
9063_9063	9063	9063	-126.416	-21.827	0.001	0.391	0.233	-762.4	1
9063_9064	9063	9064	14.254	1.183	-0.1	-0.171	-0.342	-222.834	1
9064_9064	9064	9064	-125.212	-9.939	-0.003	-0.345	0.354	-766.169	1
9064_9065	9064	9065	15.837	1.384	-0.119	-0.322	-1.012	-227.893	1
9065_9065	9065	9065	-125.094	-12.693	-0.012	-0.147	0.311	-761.56	1
9065_9066	9065	9066	16.805	1.57	-0.111	-0.258	-1.644	-233.444	1
9066_9066	9066	9066	-124.334	-13.197	-0.036	0.192	0.201	-749.224	1
9066_9067	9066	9067	18.256	2.206	-0.141	-0.179	-2.713	-243.626	1
9067_9067	9067	9067	-123.457	-16.699	-0.039	-0.05	-0.246	-730.481	1
9067_9068	9067	9068	18.753	2.589	-0.15	-0.244	-3.863	-256.061	1
9068_9068	9068	9068	-121.849	-19.934	-0.045	-0.116	-0.789	-701.473	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9068_9069	9068	9069	19.706	3.44	-0.15	-0.254	-4.944	-272.153	1
9069_9069	9069	9069	-119.15	-21.865	-0.413	0.247	-1.437	-661.064	1
9069_9070	9069	9070	18.618	6.538	-0.255	-0.129	-6.363	-297.418	1
9070_9070	9070	9070	-116.095	-24.644	-0.431	0.171	-5.101	-616.353	1
9070_9071	9070	9071	-1.135	14.497	-0.134	-0.203	-4.87	-357.353	1
9071_9071	9071	9071	-111.871	-27.193	-0.5	-0.128	-10.336	-563.091	1
9071_9072	9071	9072	-23.422	20.938	-0.042	-0.385	-2.981	-475.706	1
9072_9072	9072	9072	-6.522	4.81	0.061	-0.146	-3.517	-295.681	1
9072_9073	9072	9073	-54.338	-8.059	0.066	-0.321	-5.536	-884.83	1
9073_9073	9073	9073	-23.559	1.965	0.115	-0.291	-3.016	-498.153	1
9073_9074	9073	9074	-62.886	-7.603	0.064	-0.392	-4.789	-792.134	1
9074_9074	9074	9074	-46.449	-0.709	-0.086	-0.072	-0.976	-673.219	1
9074_9075	9074	9075	-68.956	-7.213	-0.013	-0.122	-4.968	-704.417	1
9075_9075	9075	9075	-85.014	-4.057	-0.088	-0.255	-1.379	-783.949	1
9075_9076	9075	9076	-77.059	-6.95	-0.011	-0.156	-3.776	-598.264	1
9076_9076	9076	9076	-110.997	-5.813	-0.047	-0.058	-2.415	-900.36	1
9076_9077	9076	9077	-73.966	-8.835	-0.007	-0.031	-3.87	-559.42	1
9077_9077	9077	9077	-114.436	8.227	-0.088	-0.419	-4.131	-1002.272	1
9077_9078	9077	9078	-60.091	-6.994	-0.011	-0.027	-5.582	-506.442	1
9078_9078	9078	9078	-132.259	5.908	0.039	-0.153	-5.437	-1137.688	1
9078_9079	9078	9079	-53.697	-6.757	0.037	0.063	-5.167	-458.485	1
9079_9079	9079	9079	-145.594	1.381	0.042	-0.473	-5.039	-1237.198	1
9079_9080	9079	9080	-47.298	-6.757	0.036	-0.017	-4.763	-410.488	1
9080_9080	9080	9080	-154.536	0.609	0.012	-0.14	-4.538	-1302.707	1
9080_9081	9080	9081	-41.102	-6.543	0.03	0.069	-4.431	-364.013	1
9081_9081	9081	9081	-162.545	-3.952	0.015	-0.247	-4.407	-1360.461	1
9081_9082	9081	9082	-34.906	-6.543	0.03	0.069	-4.099	-317.539	1
9082_9082	9082	9082	-165.795	-4.45	-0.004	0.099	-4.202	-1381.927	1
9082_9083	9082	9083	-28.812	-6.392	0.028	0.122	-3.78	-268.712	1
9083_9083	9083	9083	-168.236	-9.341	-0.003	-0.215	-4.255	-1396.67	1
9083_9084	9083	9084	-38.947	5.947	-0.034	-0.115	-3.972	-313.188	1
9084_9084	9084	9084	-165.216	-26.368	-0.02	0.437	-4.273	-1377.457	1
9084_9085	9084	9085	-44.493	6.091	-0.036	-0.034	-4.361	-356.404	1
9085_9085	9085	9085	-162.261	-30.859	-0.017	0.13	-4.455	-1351.967	1
9085_9086	9085	9086	-50.259	6.091	-0.036	-0.093	-4.768	-399.655	1
9086_9086	9086	9086	-154.604	-31.688	-0.049	0.548	-4.587	-1290.821	1
9086_9087	9086	9087	-56.171	6.263	-0.04	0.018	-5.209	-444.167	1
9087_9087	9087	9087	-146	-36.181	-0.046	0.271	-5.085	-1222.106	1
9087_9088	9087	9088	-62.101	6.263	-0.04	-0.052	-5.657	-488.641	1
9088_9088	9088	9088	-133.074	-37.432	0.071	0.551	-5.474	-1120.396	1
9088_9089	9088	9089	-69.416	6.542	-0.014	0.037	-5.838	-543.506	1
9089_9089	9089	9089	-116.983	-25.8	0.049	0.145	-3.765	-1037.962	1
9089_9090	9089	9090	-71.172	6.409	-0.012	0.036	-5.277	-606.794	1
9090_9090	9090	9090	-103.045	-26.723	0.115	0.446	-3.284	-947.892	1
9090_9091	9090	9091	-70.429	6.415	0.003	0.154	-5.192	-668.307	1
9091_9091	9091	9091	-76.403	-30.517	0.122	0.24	-2.618	-832.012	1
9091_9092	9091	9092	-62.939	6.487	0.003	0.196	-6.508	-755.411	1
9092_9092	9092	9092	-46.512	-33.785	-0.223	0.354	-1.568	-664.317	1
9092_9093	9092	9093	-54.895	6.767	-0.093	0.414	-7.633	-838.304	1
9093_9093	9093	9093	-22.599	-37.348	-0.155	0.201	-4.097	-484.212	1
9093_9094	9093	9094	-73.587	33.255	0.324	-0.973	8.74	-936.824	1
9094_9094	9094	9094	-110.329	-4.393	0.555	0.166	-17.652	-494.137	1
9094_9095	9094	9095	-3.981	-14.304	0.172	0.29	-6.698	-352.584	1
9095_9095	9095	9095	-112.208	-7.137	0.625	-0.097	-13.023	-579.115	1
9095_9096	9095	9096	14.359	-6.898	0.339	0.144	-9.709	-297.183	1
9096_9096	9096	9096	-115.622	-9.716	0.607	-0.163	-7.509	-634.23	1
9096_9097	9096	9097	16.258	-3.789	0.366	0.122	-8.053	-270.922	1
9097_9097	9097	9097	-118.003	-11.464	0.067	0.239	-2.291	-681.283	1
9097_9098	9097	9098	15.752	-2.616	0.24	0.267	-6.354	-254.549	1
9098_9098	9098	9098	-120.006	-14.477	0.066	0.009	-1.357	-723.76	1
9098_9099	9098	9099	14.348	-1.956	0.228	0.195	-4.633	-242.46	1
9099_9099	9099	9099	-120.92	-17.754	0.056	-0.07	-0.521	-754.311	1
9099_9100	9099	9100	13.556	-1.628	0.225	0.186	-2.876	-232.894	1
9100_9100	9100	9100	-121.067	-19.068	0.024	0.243	0.105	-773.793	1
9100_9101	9100	9101	17.983	1.232	-0.178	-0.24	-0.168	-230.496	1
9101_9101	9101	9101	-121.28	-21.723	0.017	0.214	0.305	-786.75	1
9101_9102	9101	9102	18.255	1.307	-0.179	-0.24	-1.208	-235.589	1
9102_9102	9102	9102	-119.745	-9.857	-0.017	-0.045	0.376	-793.022	1
9102_9103	9102	9103	18.449	1.381	-0.18	-0.246	-2.261	-241.247	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9103_9103	9103	9103	-119.563	-12.649	-0.014	-0.359	0.188	-788.647	1
9103_9104	9103	9104	19.947	1.616	-0.197	-0.333	-3.379	-247.415	1
9104_9104	9104	9104	-118.807	-13.056	-0.045	0.208	-0.017	-776.468	1
9104_9105	9104	9105	20.228	2.07	-0.217	-0.183	-5.066	-258.226	1
9105_9105	9105	9105	-117.924	-16.607	-0.052	-0.057	-0.708	-757.759	1
9105_9106	9105	9106	21.939	2.64	-0.233	-0.259	-6.826	-271.075	1
9106_9106	9106	9106	-116.316	-19.904	-0.063	-0.12	-1.559	-727.938	1
9106_9107	9106	9107	22.947	3.509	-0.233	-0.266	-8.505	-287.24	1
9107_9107	9107	9107	-113.629	-21.837	-0.579	0.222	-2.588	-685.874	1
9107_9108	9107	9108	22.065	5.882	-0.352	-0.154	-10.569	-311.006	1
9108_9108	9108	9108	-110.572	-24.687	-0.605	0.149	-7.848	-638.982	1
9108_9109	9108	9109	3.135	14.011	-0.188	-0.224	-7.97	-365.607	1
9109_9109	9109	9109	-109.308	-27.22	-0.559	-0.07	-12.188	-569.98	1
9109_9110	9109	9110	-20.961	20.657	-0.038	-0.324	-3.836	-470.976	1
9110_9110	9110	9110	-19.058	-2.11	0.016	-0.109	-3.213	-325.034	1
9110_9111	9110	9111	-51.962	-8.717	0.098	-0.35	-8.076	-893.733	1
9111_9111	9111	9111	-22.185	1.431	0.159	-0.266	-4.614	-507.499	1
9111_9112	9111	9112	-59.697	-8.266	0.095	-0.363	-6.861	-795.362	1
9112_9112	9112	9112	-43.943	-1.255	-0.086	-0.127	-2.139	-677.84	1
9112_9113	9112	9113	-65.449	-7.75	0.006	-0.197	-6.854	-702.805	1
9113_9113	9113	9113	-73.221	-4.839	-0.093	-0.337	-2.488	-821.216	1
9113_9114	9113	9114	-66.763	-7.542	0.003	-0.165	-5.406	-623.022	1
9114_9114	9114	9114	-94.931	-6.644	-0.033	-0.136	-3.646	-934.507	1
9114_9115	9114	9115	-63.251	-7.445	0.018	-0.065	-5.258	-579.294	1
9115_9115	9115	9115	-120.03	-9.45	-0.029	-0.123	-3.336	-914.297	1
9115_9116	9115	9116	-61.299	-7.445	0.015	-0.009	-4.174	-460.45	1
9116_9116	9116	9116	-133.445	-11.362	0.028	0.092	-3.865	-1013.251	1
9116_9117	9116	9117	-53.957	-7.138	0.034	0.07	-3.789	-412.249	1
9117_9117	9117	9117	-142.881	-0.387	0.032	-0.362	-3.65	-1089.748	1
9117_9118	9117	9118	-46.609	-7.138	0.033	-0.027	-3.426	-364.006	1
9118_9118	9118	9118	-150.243	-0.364	0.027	0.061	-3.249	-1139.826	1
9118_9119	9118	9119	-39.942	-6.954	0.031	0.091	-3.106	-316.992	1
9119_9119	9119	9119	-156.747	-5.063	0.024	-0.288	-2.921	-1183.339	1
9119_9120	9119	9120	-32.784	-6.954	0.029	0.017	-2.779	-269.999	1
9120_9120	9120	9120	-158.653	-21.224	0.012	0.273	-2.67	-1194.876	1
9120_9121	9120	9121	-25.263	-6.807	0.03	0.099	-2.415	-220.619	1
9121_9121	9121	9121	-159.89	-26.124	0.01	-0.045	-2.475	-1203.959	1
9121_9122	9121	9122	-20.002	4.259	-0.011	-0.067	-1.828	-188.516	1
9122_9122	9122	9122	-155.298	-27.019	0.007	0.423	-2.291	-1173.933	1
9122_9123	9122	9123	-24.493	4.363	-0.008	0.003	-1.922	-218.003	1
9123_9123	9123	9123	-150.1	-31.64	0.002	-0.02	-2.174	-1139.239	1
9123_9124	9123	9124	-28.984	4.363	-0.011	-0.073	-2.049	-247.488	1
9124_9124	9124	9124	-139.882	-32.362	-0.014	0.416	-2.109	-1071.003	1
9124_9125	9124	9125	-33.644	4.531	-0.011	0.018	-2.172	-278.082	1
9125_9125	9125	9125	-128.969	-36.965	-0.016	0.129	-2.24	-997.411	1
9125_9126	9125	9126	-38.141	4.538	-0.013	-0.047	-2.293	-308.737	1
9126_9126	9126	9126	-113.493	-38.251	0.07	0.389	-2.355	-892.928	1
9126_9127	9126	9127	-43.999	4.748	0.005	0.031	-2.226	-347.199	1
9127_9127	9127	9127	-102.348	-26.852	0.045	0.025	-1.32	-787.302	1
9127_9128	9127	9128	-48.034	4.719	0.003	-0.006	-1.971	-378.107	1
9128_9128	9128	9128	-87.579	-27.326	0.105	0.214	-0.969	-706.095	1
9128_9129	9128	9129	-48.273	5.02	0.017	0.078	-1.767	-422.872	1
9129_9129	9129	9129	-54.799	-30.923	0.11	0.125	0.042	-642.592	1
9129_9130	9129	9130	-80.846	26.071	-0.089	-0.541	-1.5	-569.644	1
9130_9130	9130	9130	-28.754	-33.989	-0.199	0.22	0.863	-492.077	1
9130_9131	9130	9131	-90.119	29.86	0.165	-0.43	0.294	-824.891	1
9131_9131	9131	9131	-8.524	-37.45	-0.158	0.168	-1.769	-331.686	1
9131_9132	9131	9132	-95.524	34.275	0.207	-0.669	3.095	-1133.951	1
9132_9132	9132	9132	-98.683	-1.766	0.441	0.066	-11.507	-365.354	1
9132_9133	9132	9133	-11.507	-19.177	-0.032	0.21	-0.849	-302.704	1
9133_9133	9133	9133	-107.07	-4.624	0.398	-0.019	-6.454	-444.683	1
9133_9134	9133	9134	6.154	-2.161	-0.152	-0.139	2.231	-253.177	1
9134_9134	9134	9134	-112.868	-7.352	0.402	-0.143	-3.153	-507.586	1
9134_9135	9134	9135	7.675	-2.161	-0.159	-0.179	0.998	-242.521	1
9135_9135	9135	9135	-117.463	-9.638	0.004	0.102	0.134	-562.624	1
9135_9136	9135	9136	9.105	-1.963	-0.064	-0.104	0.484	-232.529	1
9136_9136	9136	9136	-121.164	-12.847	0.005	-0.02	0.27	-610.571	1
9136_9137	9136	9137	11.824	-1.909	-0.072	-0.142	-0.047	-222.768	1
9137_9137	9137	9137	-123.325	-16.351	0.001	-0.059	0.373	-645.857	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9137_9138	9137	9138	14.213	-1.862	-0.073	-0.144	-0.606	-213.243	1
9138_9138	9138	9138	-124.288	-17.936	-0.009	0.179	0.387	-669.326	1
9138_9139	9138	9139	15.895	-1.496	-0.049	-0.064	-0.887	-207.337	1
9139_9139	9139	9139	-122.115	-7.211	-0.008	-0.088	0.223	-686.902	1
9139_9140	9139	9140	17.51	-1.44	-0.059	-0.106	-1.226	-201.806	1
9140_9140	9140	9140	-123.02	-10.282	-0.008	-0.114	0.132	-694.289	1
9140_9141	9140	9141	19.483	-1.336	-0.059	-0.108	-1.56	-196.439	1
9141_9141	9141	9141	-122.463	-13.287	-0.013	-0.003	0.036	-689.661	1
9141_9142	9141	9142	21.491	-1.205	-0.049	-0.071	-1.832	-191.577	1
9142_9142	9142	9142	-121.011	-13.886	-0.009	0.037	-0.087	-676.501	1
9142_9143	9142	9143	24.269	-0.714	-0.079	-0.077	-2.41	-187.226	1
9143_9143	9143	9143	-119.005	-17.705	-0.018	0.092	-0.285	-655.563	1
9143_9144	9143	9144	-3.472	2.244	0.071	0.127	1.462	-194.198	1
9144_9144	9144	9144	-115.774	-21.223	-0.017	-0.045	-0.585	-622.319	1
9144_9145	9144	9145	-6.483	2.303	0.066	0.094	1.931	-205.743	1
9145_9145	9145	9145	-110.996	-23.586	-0.314	0.126	-0.908	-576.098	1
9145_9146	9145	9146	11.007	11.737	-0.075	-0.118	-2.59	-227.445	1
9146_9146	9146	9146	-105.459	-26.617	-0.33	0.162	-3.637	-523.232	1
9146_9147	9146	9147	-8.993	18.551	0.002	-0.135	-1.347	-300.12	1
9147_9147	9147	9147	-97.026	-29.474	-0.352	-0.019	-6.919	-469.915	1
9147_9148	9147	9148	-28.589	24.416	0.058	-0.307	0.556	-446.205	1
9148_9148	9148	9148	-35.188	-3.32	0.012	0.056	-0.238	-264.351	1
9148_9149	9148	9149	-32.489	-9.972	0.053	-0.278	-3.338	-726.943	1
9149_9149	9149	9149	-9.106	0.937	0.094	-0.12	-1.893	-400.917	1
9149_9150	9149	9150	-38.065	-9.079	0.052	-0.136	-2.691	-628.612	1
9150_9150	9150	9150	-27.402	-1.767	-0.069	-0.146	-0.083	-548.802	1
9150_9151	9150	9151	-41.14	-8.31	-0.006	-0.177	-2.77	-537.869	1
9151_9151	9151	9151	-59.772	-4.957	-0.072	-0.063	-0.535	-629.597	1
9151_9152	9151	9152	-46.502	-7.521	-0.003	-0.007	-2.296	-434.217	1
9152_9152	9152	9152	-79.966	-6.676	-0.032	-0.069	-1.288	-718.656	1
9152_9153	9152	9153	-42.265	-7.16	0.008	-0.026	-2.232	-395.624	1
9153_9153	9153	9153	-97.727	-9.408	-0.029	-0.029	-1.31	-749.274	1
9153_9154	9153	9154	-35.953	-7.006	0.008	0.015	-1.792	-201.154	1
9154_9154	9154	9154	-109.414	-11.809	0.006	0.039	-1.748	-833.502	1
9154_9155	9154	9155	-28.534	-6.828	0.013	0.029	-1.664	-276.422	1
9155_9155	9155	9155	-118.001	-16.141	0.003	-0.048	-1.714	-893.42	1
9155_9156	9155	9156	-20.936	-6.828	0.011	0.012	-1.541	-231.707	1
9156_9156	9156	9156	-123.195	-17.561	0.006	0.083	-1.695	-930.418	1
9156_9157	9156	9157	-14.121	-6.737	0.014	0.037	-1.399	-191.596	1
9157_9157	9157	9157	-126.865	-21.764	0.003	-0.011	-1.647	-955.96	1
9157_9158	9157	9158	-7.305	-6.737	0.012	0.024	-1.275	-151.486	1
9158_9158	9158	9158	-126.814	-22.78	0	0.125	-1.634	-957.672	1
9158_9159	9158	9159	-13.711	5.996	-0.011	-0.02	-1.39	-174.753	1
9159_9159	9159	9159	-126.049	-27.123	-0.004	0.031	-1.655	-953.517	1
9159_9160	9159	9160	-19.777	5.996	-0.013	-0.032	-1.519	-210.452	1
9160_9160	9160	9160	-123.186	-13.181	-0.001	0.067	-1.749	-925.992	1
9160_9161	9160	9161	-26.541	6.084	-0.01	-0.015	-1.628	-250.261	1
9161_9161	9161	9161	-117.789	-17.851	-0.002	0.027	-1.768	-886.625	1
9161_9162	9161	9162	-33.311	6.084	-0.01	-0.015	-1.737	-290.105	1
9162_9162	9162	9162	-108.896	-19.326	0.04	0.072	-1.766	-823.992	1
9162_9163	9162	9163	-42.026	6.265	-0.003	-0.015	-1.783	-341.392	1
9163_9163	9163	9163	-91.152	-24.599	0.041	0.131	-1.378	-762.779	1
9163_9164	9163	9164	-43.242	6.382	-0.002	0.037	-1.961	-388.046	1
9164_9164	9164	9164	-79.354	-25.405	0.08	0.13	-1.094	-697.389	1
9164_9165	9164	9165	-44.97	6.726	0.008	0.011	-1.868	-444.88	1
9165_9165	9165	9165	-52.37	-28.859	0.08	0.207	-0.414	-635.435	1
9165_9166	9165	9166	-37.984	7.426	0.01	0.126	-1.945	-545.64	1
9166_9166	9166	9166	-27.14	-32.189	-0.124	0.183	0.083	-506.189	1
9166_9167	9166	9167	-101.397	25.994	0.151	-0.294	1.111	-697.152	1
9167_9167	9167	9167	-6.938	-35.668	-0.08	0.139	-1.486	-361.232	1
9167_9168	9167	9168	-107.242	31.091	0.191	-0.523	3.632	-969.937	1
9168_9168	9168	9168	-92.057	-1.775	0.309	0.054	-8.987	-365.505	1
9168_9169	9168	9169	-10.145	-18.746	0.004	0.203	-1.067	-303.631	1
9169_9169	9169	9169	-101.808	-4.624	0.253	-0.111	-4.737	-441.931	1
9169_9170	9169	9170	-9.741	-2.419	-0.112	-0.142	1.989	-214.893	1
9170_9170	9170	9170	-108.915	-7.316	0.245	-0.079	-2.595	-501.878	1
9170_9171	9170	9171	-7.959	-2.419	-0.109	-0.111	1.145	-203.27	1
9171_9171	9171	9171	-114.735	-9.528	0.024	0.018	-0.56	-553.979	1
9171_9172	9171	9172	-4.91	-2.099	-0.055	-0.105	0.756	-192.752	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9172_9172	9172	9172	-119.76	-12.711	0.018	0.063	-0.271	-599.776	1
9172_9173	9172	9173	-3.315	-2.099	-0.052	-0.078	0.343	-182.341	1
9173_9173	9173	9173	-123.162	-16.181	0.018	-0.063	-0.054	-633.231	1
9173_9174	9173	9174	0.796	-1.935	-0.056	-0.109	-0.058	-172.076	1
9174_9174	9174	9174	-125.351	-17.917	0.004	0.065	0.125	-655.518	1
9174_9175	9174	9175	1.735	-1.647	-0.042	-0.07	-0.311	-165.947	1
9175_9175	9175	9175	-126.773	-20.75	-0.001	0.164	0.155	-668.904	1
9175_9176	9175	9176	4.402	-1.488	-0.038	-0.041	-0.516	-159.985	1
9176_9176	9176	9176	-127.249	-23.725	0.002	0.018	0.157	-674.145	1
9176_9177	9176	9177	12.394	1.08	0.035	0.059	-0.234	-160.994	1
9177_9177	9177	9177	-128.386	-13.163	-0.002	-0.107	0.124	-668.479	1
9177_9178	9177	9178	11.778	1.08	0.035	0.059	-0.023	-165.011	1
9178_9178	9178	9178	-127.527	-14.01	-0.017	0.102	0.097	-655.159	1
9178_9179	9178	9179	8.275	1.499	0.053	0.108	0.364	-172.169	1
9179_9179	9179	9179	-126.037	-17.75	-0.018	-0.022	-0.109	-632.747	1
9179_9180	9179	9180	7.078	1.502	0.049	0.084	0.752	-179.619	1
9180_9180	9180	9180	-123.333	-21.206	-0.025	0.026	-0.351	-599.372	1
9180_9181	9180	9181	5.936	1.502	0.053	0.109	1.174	-187.069	1
9181_9181	9181	9181	-119.011	-23.643	-0.232	0.137	-0.669	-553.852	1
9181_9182	9181	9182	-0.448	13.805	-0.039	-0.124	-1.451	-212.207	1
9182_9182	9182	9182	-113.86	-26.594	-0.24	0.098	-2.669	-502.109	1
9182_9183	9182	9183	-16.418	18.707	-0.001	-0.161	-0.861	-289.425	1
9183_9183	9183	9183	-107.153	-29.334	-0.288	0.07	-5.491	-444.551	1
9183_9184	9183	9184	-36.659	24.619	0.051	-0.193	0.624	-431.405	1
9184_9184	9184	9184	-25.314	-4.813	0.011	0.06	-0.431	-248.998	1
9184_9185	9184	9185	-88.268	-29.059	-0.154	0.468	0.901	-667.602	1
9185_9185	9185	9185	-14.305	2.318	0.072	-0.126	-1.424	-344.958	1
9185_9186	9185	9186	-44.788	-6.582	0.037	-0.145	-1.934	-525.365	1
9186_9186	9186	9186	-35.499	-0.53	-0.059	-0.08	0.039	-499.478	1
9186_9187	9186	9187	-48.231	-6.255	-0.011	-0.106	-2.074	-455.149	1
9187_9187	9187	9187	-67.818	-3.851	-0.069	-0.079	-0.392	-611.782	1
9187_9188	9187	9188	-50.673	-5.936	-0.009	-0.021	-1.974	-384.099	1
9188_9188	9188	9188	-91.325	-5.909	-0.035	-0.066	-1.103	-714.934	1
9188_9189	9188	9189	-47.223	-5.836	0.006	-0.022	-1.927	-352.661	1
9189_9189	9189	9189	-106.508	-8.819	-0.035	-0.034	-1.271	-799.87	1
9189_9190	9189	9190	-40.26	-5.866	0.006	0.017	-1.73	-307.979	1
9190_9190	9190	9190	-121.293	-11.511	-0.005	-0.011	-1.798	-904.809	1
9190_9191	9190	9191	-34.057	-5.718	0.008	0.015	-1.641	-268.978	1
9191_9191	9191	9191	-131.641	-0.51	-0.009	-0.113	-1.905	-985.324	1
9191_9192	9191	9192	-27.854	-5.718	0.009	0.033	-1.544	-229.976	1
9192_9192	9192	9192	-138.943	-2.263	-0.006	0.005	-1.992	-1032.265	1
9192_9193	9192	9193	-22.329	-5.631	0.009	0.046	-1.451	-195.233	1
9193_9193	9193	9193	-144.192	-6.656	-0.01	-0.125	-2.053	-1064.899	1
9193_9194	9193	9194	-22.292	6.106	-0.018	-0.056	-1.6	-185.558	1
9194_9194	9194	9194	-145.173	-7.935	-0.008	0.071	-2.154	-1069.483	1
9194_9195	9194	9195	-28.381	6.206	-0.017	-0.03	-1.767	-223.85	1
9195_9195	9195	9195	-144.997	-12.248	-0.012	-0.058	-2.237	-1065.532	1
9195_9196	9195	9196	-34.465	6.206	-0.017	-0.047	-1.941	-262.103	1
9196_9196	9196	9196	-141.105	-13.489	-0.001	0.134	-2.343	-1036.752	1
9196_9197	9196	9197	-41.101	6.37	-0.013	-0.01	-2.068	-305.55	1
9197_9197	9197	9197	-135.184	-18.068	-0.004	0.012	-2.338	-993.252	1
9197_9198	9197	9198	-48.012	6.37	-0.014	-0.031	-2.22	-349.005	1
9198_9198	9198	9198	-125.825	-19.834	0.05	0.158	-2.346	-926.049	1
9198_9199	9198	9199	-56.936	6.615	-0.003	0.009	-2.258	-405.44	1
9199_9199	9199	9199	-108.976	-25.096	0.045	0.092	-1.812	-814.324	1
9199_9200	9199	9200	-59.04	6.554	-0.004	0.009	-2.467	-432.513	1
9200_9200	9200	9200	-96.229	-26.489	0.069	0.228	-1.482	-747.421	1
9200_9201	9200	9201	-60.339	6.584	0.01	0.061	-2.343	-489.208	1
9201_9201	9201	9201	-64.029	-30.053	0.093	0.288	-1.279	-698.723	1
9201_9202	9201	9202	-50.26	6.964	0.017	0.188	-3.282	-601.594	1
9202_9202	9202	9202	-37.234	-33.432	-0.167	0.266	-0.65	-559.234	1
9202_9203	9202	9203	-86.427	28.496	0.228	-0.565	2.989	-692.952	1
9203_9203	9203	9203	-15.41	-36.785	-0.104	0.303	-2.558	-403.797	1
9203_9204	9203	9204	-93.785	34.04	0.271	-0.725	6.57	-987.92	1
9204_9204	9204	9204	-104.274	-3.614	0.433	0.099	-13.637	-425.661	1
9204_9205	9204	9205	-10.001	-17.804	0.078	0.283	-3.404	-335.816	1
9205_9205	9205	9205	-111.36	-6.295	0.391	-0.126	-8.16	-506.137	1
9205_9206	9205	9206	3.112	-13.683	0.122	0.125	-3.557	-249.043	1
9206_9206	9206	9206	-116.379	-8.821	0.38	-0.175	-4.751	-559.819	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9206_9207	9206	9207	4.804	-0.553	-0.22	-0.181	2.943	-201.154	1
9207_9207	9207	9207	-120.348	-10.975	0.065	0.163	-1.508	-606.61	1
9207_9208	9207	9208	6.452	-0.219	-0.114	-0.123	2.112	-199.935	1
9208_9208	9208	9208	-123.586	-13.969	0.064	0.039	-0.76	-647.074	1
9208_9209	9208	9209	6.672	-0.214	-0.12	-0.152	1.153	-198.817	1
9209_9209	9209	9209	-125.557	-17.232	0.063	-0.099	-0.076	-676.584	1
9209_9210	9209	9210	9.303	-0.016	-0.13	-0.189	0.193	-198.312	1
9210_9210	9210	9210	-126.638	-18.781	-0.003	0.294	0.506	-696.265	1
9210_9211	9210	9211	9.111	0.354	-0.083	-0.055	-0.304	-199.664	1
9211_9211	9211	9211	-126.504	-6.95	-0.008	0.039	0.512	-711.151	1
9211_9212	9211	9212	10.629	0.536	-0.091	-0.097	-0.82	-201.579	1
9212_9212	9212	9212	-128.002	-9.809	-0.004	-0.126	0.419	-719.734	1
9212_9213	9212	9213	12.351	0.797	-0.1	-0.141	-1.386	-203.939	1
9213_9213	9213	9213	-128.233	-12.609	0	-0.283	0.333	-717.652	1
9213_9214	9213	9214	13.796	1.094	-0.11	-0.185	-2.01	-207.17	1
9214_9214	9214	9214	-127.751	-13.288	-0.064	0.252	0.263	-708.48	1
9214_9215	9214	9215	14.738	1.794	-0.119	-0.032	-2.919	-214.911	1
9215_9215	9215	9215	-127.084	-16.794	-0.063	0.02	-0.448	-693.54	1
9215_9216	9215	9216	16.333	2.799	-0.135	-0.104	-3.882	-225.638	1
9216_9216	9216	9216	-125.521	-20.04	-0.059	-0.204	-1.22	-669.076	1
9216_9217	9216	9217	16.006	4.675	-0.146	-0.182	-4.78	-243.052	1
9217_9217	9217	9217	-122.726	-22.063	-0.353	0.356	-2	-634.008	1
9217_9218	9217	9218	4.606	11.393	-0.11	-0.012	-4.313	-280.748	1
9218_9218	9218	9218	-119.435	-24.81	-0.346	0.068	-5.152	-594.597	1
9218_9219	9218	9219	-11.919	16.192	-0.068	-0.186	-3.477	-350.06	1
9219_9219	9219	9219	-114.708	-27.364	-0.359	-0.074	-8.483	-537.15	1
9219_9220	9219	9220	-33.378	23	0.019	-0.319	-0.915	-472.553	1
9220_9220	9220	9220	-11.535	3.595	0.032	-0.075	-2.92	-316.232	1
9220_9221	9220	9221	-64.149	-9.573	0.028	-0.131	-5.266	-842.42	1
9221_9221	9221	9221	-30.311	0.456	0.068	-0.273	-2.797	-504.297	1
9221_9222	9221	9222	-70.704	-9.38	0.026	-0.364	-4.904	-736.539	1
9222_9222	9222	9222	-54.455	-2.674	-0.043	0.095	-1.58	-661.724	1
9222_9223	9222	9223	-74.392	-9.036	0.013	0.048	-4.782	-635.625	1
9223_9223	9223	9223	-92.763	-6.449	-0.047	-0.279	-1.276	-745.08	1
9223_9224	9223	9224	-78.57	-8.996	0.007	-0.175	-3.037	-518.603	1
9224_9224	9224	9224	-116.792	-9.074	-0.018	0.138	-1.804	-836.355	1
9224_9225	9224	9225	-72.978	-8.988	0.021	0.09	-2.868	-471.204	1
9225_9225	9225	9225	-121.164	-12.659	-0.027	-0.215	-2.145	-953.929	1
9225_9226	9225	9226	-56.731	-9.228	0.022	-0.049	-2.81	-415.77	1
9226_9226	9226	9226	-130.483	-0.345	0.008	0.133	-2.658	-1045.173	1
9226_9227	9226	9227	-47.723	-8.897	0.024	0.126	-2.554	-351.59	1
9227_9227	9227	9227	-137.308	-5.428	0.003	-0.314	-2.565	-1095.786	1
9227_9228	9227	9228	-38.565	-8.893	0.023	0.003	-2.295	-287.357	1
9228_9228	9228	9228	-138.893	-7.758	0.009	0.239	-2.487	-1107.721	1
9228_9229	9228	9229	-39.671	8.339	-0.005	0	-1.893	-316.54	1
9229_9229	9229	9229	-138.128	-12.741	0.005	-0.209	-2.352	-1101.093	1
9229_9230	9229	9230	-48.324	8.339	-0.006	-0.111	-1.964	-376.725	1
9230_9230	9230	9230	-132.982	-15.054	0.025	0.369	-2.22	-1061.283	1
9230_9231	9230	9231	-57.948	8.759	-0.01	0.093	-2.079	-443.665	1
9231_9231	9231	9231	-125.729	-19.89	0.017	-0.001	-1.909	-1003.786	1
9231_9232	9231	9232	-65.125	8.759	-0.011	-0.043	-2.178	-493.585	1
9232_9232	9232	9232	-116.385	-23.318	0.015	-0.356	-2.85	-949.949	1
9232_9233	9232	9233	-66.522	8.699	-0.021	-0.198	-3.626	-514.907	1
9233_9233	9233	9233	-112.431	-22.793	0.145	0.331	-2.798	-925.357	1
9233_9234	9233	9234	-70.614	9.1	0.017	0.173	-3.395	-575.689	1
9234_9234	9234	9234	-97.37	-26.309	0.125	0.094	-1.601	-854.594	1
9234_9235	9234	9235	-71.511	8.918	0.015	0.069	-3.291	-626.134	1
9235_9235	9235	9235	-66.749	-28.556	0.163	-0.312	-1.418	-875.991	1
9235_9236	9235	9236	-58.817	9.297	0.018	-0.214	-4.98	-737.789	1
9236_9236	9236	9236	-54.869	-29.789	0.255	0.446	-0.77	-810.829	1
9236_9237	9236	9237	-55.596	9.624	0.171	0.482	-3.247	-819.804	1
9237_9237	9237	9237	-36.908	-32.631	0.268	-0.245	1.188	-698.168	1
9237_9238	9237	9238	-51.221	9.789	0.165	-0.126	-1.758	-901.443	1
9238_9238	9238	9238	-22.026	-31.37	-0.567	0.938	3.564	-576.121	1
9238_9239	9238	9239	-47.081	11.792	-0.23	0.884	-3.669	-994.076	1
9239_9239	9239	9239	-11.144	-33.971	-0.5	0.726	-1.285	-462.778	1
9239_9240	9239	9240	-45.277	11.935	-0.233	0.548	-4.629	-1035.773	1
9240_9240	9240	9240	-122.717	-13.201	-0.394	-1.882	-12.525	-640.523	1
9240_9241	9240	9241	-1.886	-17.539	-0.203	-0.234	-7.06	-453.771	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9241_9241	9241	9241	-121.869	-9.165	0.344	0.662	-14.573	-649.475	1
9241_9242	9241	9242	2.779	-15.642	0.273	0.62	-6.697	-418.619	1
9242_9242	9242	9242	-123.138	-10.129	0.334	0.357	-12.514	-664.81	1
9242_9243	9242	9243	20.118	-9.058	0.3	0.392	-6.588	-306.905	1
9243_9243	9243	9243	-125.625	-14.303	0.31	-0.115	-7.981	-720.791	1
9243_9244	9243	9244	22.894	-6.394	0.274	0.2	-5.006	-261.025	1
9244_9244	9244	9244	-125.446	-13.755	0.349	0.46	-5.214	-742.638	1
9244_9245	9244	9245	20.452	-3.751	0.209	0.368	-3.166	-227.069	1
9245_9245	9245	9245	-127.513	-17.554	0.395	-0.036	-1.308	-784.027	1
9245_9246	9245	9246	19.998	-3.188	0.181	0.226	-1.555	-204.964	1
9246_9246	9246	9246	-128.262	-20.067	-0.039	0.4	2.584	-806.121	1
9246_9247	9246	9247	22.717	2.8	-0.08	-0.215	-0.252	-202.88	1
9247_9247	9247	9247	-129.327	-8.798	0.004	-0.42	2.238	-824.245	1
9247_9248	9247	9248	23.088	3.202	-0.113	-0.365	-1.214	-222.002	1
9248_9248	9248	9248	-130.341	-11.324	-0.116	0.218	2.137	-824.071	1
9248_9249	9248	9249	24.337	4.431	-0.184	-0.193	-2.852	-247.699	1
9249_9249	9249	9249	-130.784	-15.201	-0.103	-0.252	0.668	-813.296	1
9249_9250	9249	9250	22.901	5.238	-0.211	-0.329	-4.908	-281.465	1
9250_9250	9250	9250	-130.187	-17.711	-0.578	0.19	-0.874	-787.052	1
9250_9251	9250	9251	20.448	8.048	-0.354	-0.15	-8.031	-327.54	1
9251_9251	9251	9251	-129.233	-21.143	-0.568	-0.246	-7.31	-754.9	1
9251_9252	9251	9252	8.834	12.756	-0.288	-0.359	-9.001	-394.986	1
9252_9252	9252	9252	-126.638	-21.029	0.509	2.113	-13.448	-707	1
9252_9253	9252	9253	3.627	14.166	0.304	0.998	-7.223	-425.017	1
9253_9253	9253	9253	-126.699	-22.06	0.518	1.874	-11.588	-693.127	1
9253_9254	9253	9254	-15.101	-18.552	0.162	0.365	-2.452	-530.921	1
9254_9254	9254	9254	-15.844	-3.452	1.106	-2.201	-3.137	-449.598	1
9254_9255	9254	9255	-56.549	-15.008	0.835	-2.09	4.547	-945.673	1
9255_9255	9255	9255	-28.025	-0.778	-0.659	0.44	10.116	-580.859	1
9255_9256	9255	9256	-61.222	-10.161	-0.473	0.152	-0.781	-847.57	1
9256_9256	9256	9256	-44.849	-3.728	-0.682	-0.316	3.08	-714.001	1
9256_9257	9256	9257	-64.597	-10.06	-0.477	-0.505	-5.983	-751.469	1
9257_9257	9257	9257	-63.89	-4.593	0.089	0.263	-4.553	-825.957	1
9257_9258	9257	9258	-65.147	-9.573	-0.003	0.145	-6.035	-712.98	1
9258_9258	9258	9258	-88.251	-5.561	0.056	-0.011	-2.668	-793.041	1
9258_9259	9258	9259	-75.41	-9.256	-0.003	-0.012	-3.92	-577.189	1
9259_9259	9259	9259	-108.244	-8.954	0.055	-0.225	-2.087	-877.24	1
9259_9260	9259	9260	-71.468	-9.535	-0.005	-0.105	-3.951	-533.087	1
9260_9260	9260	9260	-118.054	-10.071	-0.018	0.354	-1.714	-926.558	1
9260_9261	9260	9261	-69.01	-9.295	0.036	0.212	-3.84	-513.878	1
9261_9261	9261	9261	-126.757	-11.255	-0.019	0.085	-1.344	-895.827	1
9261_9262	9261	9262	-61.365	-9.357	0.026	0.079	-2.613	-419.389	1
9262_9262	9262	9262	-136.376	-15.493	-0.024	-0.259	-1.607	-967.059	1
9262_9263	9262	9263	-52.676	-9.353	0.024	-0.06	-2.385	-364.231	1
9263_9263	9263	9263	-139.528	-1.558	-0.01	0.086	-2.072	-1010.819	1
9263_9264	9263	9264	-42.692	-8.982	0.013	0.091	-2.235	-301.26	1
9264_9264	9264	9264	-144.785	-6.62	-0.009	-0.157	-2.248	-1049.033	1
9264_9265	9264	9265	-32.994	9.479	-0.004	-0.073	-1.859	-286.848	1
9265_9265	9265	9265	-144.608	-9.2	0.003	0.161	-2.331	-1050.766	1
9265_9266	9265	9266	-43.887	9.773	-0.001	0.009	-1.874	-355.557	1
9266_9266	9266	9266	-142.528	-14.074	0.002	-0.068	-2.275	-1037.725	1
9266_9267	9266	9267	-54.339	9.773	-0.004	-0.054	-1.916	-421.476	1
9267_9267	9267	9267	-136.075	-16.57	0.056	0.24	-2.176	-994.473	1
9267_9268	9267	9268	-60.801	10.19	0.01	0.075	-1.85	-462.256	1
9268_9268	9268	9268	-131.727	-19.134	0.052	0.158	-1.797	-964.252	1
9268_9269	9268	9269	-67.294	10.19	0.009	0.048	-1.788	-503.21	1
9269_9269	9269	9269	-115.257	-21.792	0.062	-0.003	-1.998	-1007.933	1
9269_9270	9269	9270	-67.848	10.229	0.009	-0.021	-2.346	-616.009	1
9270_9270	9270	9270	-102.152	-23.879	0.108	0.384	-1.497	-938.345	1
9270_9271	9270	9271	-70.153	10.663	0.031	0.25	-1.982	-698.66	1
9271_9271	9271	9271	-68.619	-27.102	0.139	0.291	-1.118	-939.685	1
9271_9272	9271	9272	-57.965	11.134	0.042	0.232	-2.716	-838.067	1
9272_9272	9272	9272	-52.996	-29.531	0.112	-0.18	-0.599	-858.028	1
9272_9273	9272	9273	-56.284	11.307	0.035	-0.134	-2.561	-887.737	1
9273_9273	9273	9273	-43.076	-30.567	-0.145	0.53	-0.364	-800.592	1
9273_9274	9273	9274	-50.566	11.779	-0.143	0.707	-4.198	-1009.53	1
9274_9274	9274	9274	-22.683	-33.627	-0.071	0.023	-2.008	-651.433	1
9274_9275	9274	9275	-43.086	12.386	-0.155	0.096	-6.295	-1152.563	1
9275_9275	9275	9275	-121.935	-8.087	0.486	0.049	-18.029	-666.774	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9275_9276	9275	9276	-0.933	-15.358	0.304	0.295	-9.793	-488.431	1
9276_9276	9276	9276	-123.029	-9.579	0.481	-0.137	-15.099	-689.905	1
9276_9277	9276	9277	8.061	-13.369	0.336	0.144	-9.664	-442.537	1
9277_9277	9277	9277	-124.553	-11.09	0.434	-0.398	-11.201	-698.828	1
9277_9278	9277	9278	20.224	-9.29	0.354	-0.093	-7.472	-354.384	1
9278_9278	9278	9278	-125.689	-12.508	0.137	0.467	-6.486	-729.558	1
9278_9279	9278	9279	27.186	-6.004	0.203	0.386	-5.72	-296.065	1
9279_9279	9279	9279	-126.355	-16.489	0.146	-0.195	-4.23	-759.938	1
9279_9280	9279	9280	29.284	-4.69	0.145	0.125	-3.975	-253.124	1
9280_9280	9280	9280	-125.323	-18.076	-0.048	0.498	-2.043	-770.665	1
9280_9281	9280	9281	29.144	-3.615	0.048	0.357	-3.316	-220.229	1
9281_9281	9281	9281	-125.543	-22.79	-0.037	-0.138	-2.274	-783.616	1
9281_9282	9281	9282	28.141	-2.877	0.002	0.169	-3.192	-193.602	1
9282_9282	9282	9282	-113.334	-26.123	0.153	0.568	-4.694	-811.36	1
9282_9283	9282	9283	30.34	4.926	-0.272	-0.114	1.658	-237.983	1
9283_9283	9283	9283	-117.063	-15.292	0.037	-0.683	-2.208	-786.792	1
9283_9284	9283	9284	29.892	6.745	-0.374	-0.463	-2.266	-286.073	1
9284_9284	9284	9284	-118.094	-16.34	-0.827	0.306	-2.125	-755.368	1
9284_9285	9284	9285	24.655	10.374	-1.094	-0.108	-13.097	-351.35	1
9285_9285	9285	9285	-120.243	-19.897	-0.892	-0.358	-11.999	-735.989	1
9285_9286	9285	9286	11.01	14.667	-0.949	-0.438	-19.507	-437.154	1
9286_9286	9286	9286	-121.065	-20.048	0.951	1.163	-22.359	-704.846	1
9286_9287	9286	9287	4.582	16.884	0.693	0.345	-15.291	-485.497	1
9287_9287	9287	9287	-121.81	-21.304	1.016	1.383	-20.126	-707.657	1
9287_9288	9287	9288	-10.16	20.501	0.526	0.173	-6.667	-629.853	1
9288_9288	9288	9288	-16.693	-2.31	1.707	-2.091	-3.109	-466.153	1
9288_9289	9288	9289	-52.612	-14.262	1.528	-1.934	8.897	-1056.24	1
9289_9289	9289	9289	-28.297	0.851	-1.013	0.484	15.098	-624.681	1
9289_9290	9289	9290	-57.38	-8.375	-0.933	0.245	-2.501	-961.762	1
9290_9290	9290	9290	-46.861	-2.405	-1.031	-0.377	2.774	-831.092	1
9290_9291	9290	9291	-59.317	-8.495	-0.933	-0.495	-13.271	-874.508	1
9291_9291	9291	9291	-65.514	15.663	0.076	0.56	-9.537	-1026.56	1
9291_9292	9291	9292	-59.087	-7.459	0.213	0.54	-12.424	-848.501	1
9292_9292	9292	9292	-85.955	14.131	0.039	-0.111	-6.301	-1018.523	1
9292_9293	9292	9293	-66.733	-7.461	0.147	0.017	-7.355	-741.177	1
9293_9293	9293	9293	-99.996	11.212	0.024	-0.509	-6.167	-1146.941	1
9293_9294	9293	9294	-62.827	-7.611	0.146	-0.193	-6.185	-698.668	1
9294_9294	9294	9294	-110.842	12.402	0.155	0.746	-6.188	-1267.778	1
9294_9295	9294	9295	-61.175	-6.567	0.057	0.484	-5.955	-680.38	1
9295_9295	9295	9295	-98.973	11.079	0.242	-0.122	-8.741	-1432.724	1
9295_9296	9295	9296	-48.587	-6.621	0.088	0.115	-8.282	-680.716	1
9296_9296	9296	9296	-110.67	7.379	0.252	-1.291	-6.49	-1597.033	1
9296_9297	9296	9297	-45.644	-6.621	0.087	-0.363	-7.563	-639.991	1
9297_9297	9297	9297	-118.742	7.441	0.039	0.692	-4.478	-1710.182	1
9297_9298	9297	9298	-41.912	-6.05	0.055	0.394	-6.928	-588.33	1
9298_9298	9298	9298	-129.264	3.159	0.053	-1.271	-4.085	-1857.637	1
9298_9299	9298	9299	-38.436	-6.05	0.055	-0.208	-6.345	-540.231	1
9299_9299	9299	9299	-136.221	2.76	0.048	1.002	-3.361	-1955.118	1
9299_9300	9299	9300	-35.194	-5.587	0.068	0.406	-5.615	-495.393	1
9300_9300	9300	9300	-142.448	-1.375	0.056	-1.039	-2.725	-2041.938	1
9300_9301	9300	9301	-31.345	-5.587	0.067	-0.075	-4.759	-442.133	1
9301_9301	9301	9301	-145.823	-2.57	0.066	1.363	-1.736	-2088.533	1
9301_9302	9301	9302	-27.997	-5.253	0.077	0.411	-3.847	-395.821	1
9302_9302	9302	9302	-148.583	-24.412	0.056	-1.006	-1.235	-2126.922	1
9302_9303	9302	9303	-24.697	-5.251	0.076	-0.054	-2.956	-349.854	1
9303_9303	9303	9303	-148.119	-25.266	0.038	1.41	-0.132	-2120.326	1
9303_9304	9303	9304	-21.299	-5.034	0.072	0.342	-2.048	-302.84	1
9304_9304	9304	9304	-145.625	-30.231	0.047	-0.689	0.715	-2084.603	1
9304_9305	9304	9305	-18.394	-5.025	0.072	0.036	-1.256	-261.495	1
9305_9305	9305	9305	-139.332	-31.538	-0.01	1.865	1.535	-1995.3	1
9305_9306	9305	9306	-15.444	-4.97	0.032	0.361	-0.905	-220.646	1
9306_9306	9306	9306	-130.798	-36.229	-0.003	-0.43	1.628	-1873.846	1
9306_9307	9306	9307	-12.101	-4.969	0.031	0.09	-0.514	-174.217	1
9307_9307	9307	9307	-115.635	-39.316	-0.109	1.366	1.842	-1658.43	1
9307_9308	9307	9308	-9.034	-5.026	-0.105	0.271	-1.743	-129.72	1
9308_9308	9308	9308	-96.919	-50.619	-0.097	0.257	0.68	-1396.413	1
9308_9309	9308	9309	-5.941	-5.013	-0.105	0.169	-2.977	-85.949	1
9309_9309	9309	9309	-73.926	-54.777	-0.197	1.18	0.092	-1070.149	1
9309_9310	9309	9310	-3.343	-4.866	-0.27	0.204	-6.203	-41.596	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9310_9310	9310	9310	-44.753	-60.788	-0.166	0.379	-1.557	-656.033	1
9310_9311	9310	9311	-4.212	5.259	0.126	-0.207	5.087	-13.762	1
9311_9311	9311	9311	-9.166	-67.183	0.678	0.389	-2.248	-151.348	1
9311_9312	9311	9312	-8.452	26.203	-2.476	0.093	0	-44.331	1
9400_9020	9400	9020	53.764	-21.709	-13.722	-0.862	98.263	-680.811	1
9400_9401	9400	9401	-61.184	-1.335	-4.216	-0.236	44.244	-209.748	1
9401_9401	9401	9401	53.781	-20.851	-3.344	1.427	42.337	-591.977	1
9401_9402	9401	9402	-63.458	-1.247	-3.33	1.077	33.981	-204.932	1
9402_9402	9402	9402	54.264	-19.543	-3.441	-0.352	30.387	-519.213	1
9402_9403	9402	9403	-68.135	-2.367	-3.479	-0.162	-1.538	-175.805	1
9403_9403	9403	9403	53.858	-17.281	0.487	0.239	-6.827	-305.838	1
9403_9404	9403	9404	-72.152	-4.238	-0.066	0.216	-2.148	-144.253	1
9404_9404	9404	9404	56.599	-15.797	0.463	0.219	-3.46	-181.519	1
9404_9405	9404	9405	-78.017	-4.063	0.026	0.185	-2.406	-106.017	1
9405_9405	9405	9405	56.552	-13.241	0.086	0.27	0.211	-68.152	1
9405_9406	9405	9406	-47.031	10.655	0.017	-0.068	-0.457	-172.495	1
9406_9406	9406	9406	59.731	10.216	-2.107	-0.239	-0.338	-36.255	1
9406_9407	9406	9407	-46.545	11.55	0.034	-0.038	-0.842	-266.184	1
9407_9407	9407	9407	71.032	12.768	-2.199	0.042	-19.35	-133.639	1
9407_9408	9407	9408	-47.032	10.824	0.003	-0.2	-1.509	-325.289	1
9408_9408	9408	9408	81.189	-3.614	4.406	-1.782	-32.847	-205.275	1
9408_9409	9408	9409	-43.503	20.43	0.119	-0.165	-1.279	-387.193	1
9409_9409	9409	9409	78.873	3.309	3.157	1.833	-19.748	-193.728	1
9409_9410	9409	9410	-43.525	-19.958	0.183	0.181	-1.239	-326.366	1
9410_9410	9410	9410	84.403	-13.454	0.857	-0.041	-10.225	-204.522	1
9410_9411	9410	9411	-46.504	-10.106	-0.03	0.303	-1.558	-269.094	1
9411_9411	9411	9411	82.066	-11.615	0.743	-0.13	-5.705	-129.879	1
9411_9412	9411	9412	-47.856	-9.446	0.072	-0.151	-0.765	-177.425	1
9412_9412	9412	9412	74.067	-8.098	0.029	-0.07	-0.101	-29.125	1
9412_9413	9412	9413	-95.468	8.578	0.021	0.102	0.002	-101.223	1
9413_9413	9413	9413	58.484	15.066	-0.431	-0.204	-0.141	-65.8	1
9413_9414	9413	9414	-98.245	5.702	-0.274	0.196	-1.182	-141.677	1
9414_9414	9414	9414	54.551	16.798	-0.464	-0.246	-3.115	-176.012	1
9414_9415	9414	9415	-93.284	3.694	-0.224	0.111	-3.019	-167.242	1
9415_9415	9415	9415	54.191	19.122	3.419	0.063	-6.698	-297.362	1
9415_9416	9415	9416	-92.818	1.178	-3	-0.014	-35.06	-178.79	1
9416_9416	9416	9416	53.7	20.456	3.443	-0.442	30.549	-506.115	1
9416_9417	9416	9417	-89.433	-0.885	-2.93	0.911	-44.284	-175.186	1
9417_9417	9417	9417	53.723	21.385	13.404	0.799	43.069	-577.619	1
9417_9036	9417	9036	-88.121	-1.06	-3.155	0.012	-56.434	-170.532	1
9420_9056	9420	9056	55.281	-20.103	-13.257	-0.688	81.863	-607.482	1
9420_9421	9420	9421	-56.732	0.128	-3.81	-0.198	36.786	-147.141	1
9421_9421	9421	9421	55.265	-19.141	-2.34	0.685	27.417	-525.118	1
9421_9422	9421	9422	-56.638	0.009	-2.737	0.691	26.396	-147.18	1
9422_9422	9422	9422	55.706	-17.811	-2.38	-0.138	19.159	-458.354	1
9422_9423	9422	9423	-62.418	-0.901	-2.962	-0.063	-3.558	-135.04	1
9423_9423	9423	9423	54.829	-15.517	0.511	0.233	-6.314	-263.837	1
9423_9424	9423	9424	-93.512	-2.015	-0.05	-0.095	0.37	-118.764	1
9424_9424	9424	9424	55.779	-14.176	0.472	0.167	-2.701	-152.032	1
9424_9425	9424	9425	-74.09	-2.449	0.245	0.164	-1.225	-90.48	1
9425_9425	9425	9425	57.26	-11.441	-0.044	0.233	1.075	-50.918	1
9425_9426	9425	9426	-48.738	9.781	0.016	-0.063	-0.596	-156.237	1
9426_9426	9426	9426	52.134	7.906	-1.738	-0.183	1.373	-22.964	1
9426_9427	9426	9427	-48.447	9.771	0.026	0.033	-0.604	-237.753	1
9427_9427	9427	9427	76.267	11.281	0.237	-0.044	3.324	-101.91	1
9427_9428	9427	9428	-48.738	9.011	0.033	-0.267	-1.008	-287.425	1
9428_9428	9428	9428	74.754	-4.5	-3.176	-0.404	6.433	-164.981	1
9428_9429	9428	9429	-45.829	19.031	-0.088	-0.133	-1.175	-344.81	1
9429_9429	9429	9429	72.425	4.149	-3.666	0.468	-3.697	-152.117	1
9429_9430	9429	9430	-45.793	-18.951	-0.014	0.165	-1.346	-287.458	1
9430_9430	9430	9430	68.463	-10.893	1.026	0.126	-13.436	-164.928	1
9430_9431	9430	9431	-48.647	-8.709	-0.01	0.194	-1.16	-238.155	1
9431_9431	9431	9431	66.384	-9.379	0.98	0.179	-7.902	-105.009	1
9431_9432	9431	9432	-49.847	-7.968	-0.022	-0.081	-0.58	-157.138	1
9432_9432	9432	9432	48.876	-6.212	-0.006	0.148	0.913	-25.819	1
9432_9433	9432	9433	-77.57	5.361	-0.028	-0.2	-1.179	-90.955	1
9433_9433	9433	9433	59.691	13.76	-0.498	-0.205	0.782	-49.654	1
9433_9434	9433	9434	-67.249	4.325	-0.207	-0.182	-2.651	-117.959	1
9434_9434	9434	9434	56.186	15.45	-0.51	-0.213	-2.642	-150.233	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9434_9435	9434	9435	-63.254	3.121	-0.144	-0.182	-3.446	-138.818	1
9435_9435	9435	9435	56.503	17.79	2.384	0.229	-6.805	-261.93	1
9435_9436	9435	9436	-56.953	1.571	2.954	0.106	29.095	-153.868	1
9436_9436	9436	9436	56.051	19.179	2.3	-0.993	19.408	-456.084	1
9436_9437	9436	9437	-56.063	0.235	2.999	-0.855	39.211	-154.485	1
9437_9437	9437	9437	56.077	20.07	13.284	0.69	27.354	-523.133	1
9437_9072	9437	9072	-54.322	0.296	3.642	0.202	53.72	-155.651	1
9440_9094	9440	9094	56.212	-19.854	-12.924	-0.77	73.154	-592.815	1
9440_9441	9440	9441	-50.872	-0.27	-0.27	-0.206	26.697	-144.887	1
9441_9441	9441	9441	56.167	-18.868	-1.771	0.449	20.053	-511.447	1
9441_9442	9441	9442	-52.685	-0.219	-2.117	0.543	19.57	-144.076	1
9442_9442	9442	9442	56.608	-17.501	-1.79	-0.046	13.83	-445.589	1
9442_9443	9442	9443	-89.692	0.24	2.155	-0.138	2.142	-131.714	1
9443_9443	9443	9443	55.481	-15.141	0.427	0.198	-5.234	-254.502	1
9443_9444	9443	9444	-91.504	-1.971	-0.065	-0.185	0.832	-116.583	1
9444_9444	9444	9444	56.44	-13.817	0.441	0.28	-2.179	-145.491	1
9444_9445	9444	9445	-96.304	-3.73	-0.104	-0.195	0.247	-88.401	1
9445_9445	9445	9445	58.08	-11.048	-0.087	0.279	1.439	-46.769	1
9445_9446	9445	9446	-48.001	9.5	0.027	-0.076	-0.428	-152.616	1
9446_9446	9446	9446	48.605	7.585	-1.08	-0.12	1.227	-25.555	1
9446_9447	9446	9447	-48.32	9.418	-0.022	0.123	-0.834	-231.441	1
9447_9447	9447	9447	62.064	10.125	-1.236	-0.224	-8.327	-99.656	1
9447_9448	9447	9448	-48.74	8.594	0.06	-0.447	-1.027	-278.692	1
9448_9448	9448	9448	74.506	-4.638	-2.889	-1.178	1.6	-161.254	1
9448_9449	9448	9449	-45.891	18.689	0.007	-0.187	-0.943	-335.067	1
9449_9449	9449	9449	72.585	4.307	-3.37	1.219	-7.387	-147.805	1
9449_9450	9449	9450	-45.938	-18.665	0.007	0.205	-0.915	-278.52	1
9450_9450	9450	9450	68.185	-10.753	1.224	0.053	-16.283	-161.123	1
9450_9451	9450	9451	-48.733	-8.36	-0.026	0.029	-0.289	-231.078	1
9451_9451	9451	9451	65.389	-9.18	1.254	0.273	-9.561	-101.835	1
9451_9452	9451	9452	-50.353	-7.655	-0.192	0.015	-0.676	-152.984	1
9452_9452	9452	9452	48.27	-6.046	-0.079	0.178	1.53	-23.903	1
9452_9453	9452	9453	-78.123	5.367	0.066	-0.241	-0.563	-91.161	1
9453_9453	9453	9453	58.369	13.433	-0.445	-0.263	0.936	-48.146	1
9453_9454	9453	9454	-68.202	4.16	-0.263	-0.233	-2.426	-117.442	1
9454_9454	9454	9454	55.077	15.086	-0.441	-0.233	-2.135	-146.207	1
9454_9455	9454	9455	-64.871	2.902	-0.227	-0.201	-3.907	-137.33	1
9455_9455	9455	9455	55.666	17.453	1.759	0.095	-5.729	-255.188	1
9455_9456	9455	9456	-57.274	1.393	2.279	0.001	21.384	-150.59	1
9456_9456	9456	9456	55.233	18.782	1.712	-0.644	13.595	-445.847	1
9456_9457	9456	9457	-54.828	0.216	2.235	-0.632	28.394	-150.846	1
9457_9457	9457	9457	55.245	19.7	13.001	0.798	19.297	-511.393	1
9457_9110	9457	9110	-54.941	0.08	3.371	0.217	42.983	-151.183	1
9460_9132	9460	9132	58.034	-21.607	-12.459	-0.868	71.631	-643.779	1
9460_9461	9460	9461	-34.087	-2.894	-2.495	-0.184	20.662	-153.188	1
9461_9461	9461	9461	58.098	-20.62	-1.861	-0.013	20.687	-555.306	1
9461_9462	9461	9462	-100.175	3.919	1.855	-0.634	-17.812	-146.227	1
9462_9462	9462	9462	58.578	-19.219	-1.812	0.089	14.322	-483.379	1
9462_9463	9462	9463	-107.992	2.04	1.842	-0.092	1.794	-165.127	1
9463_9463	9463	9463	58.031	-16.727	0.426	0.219	-4.966	-273.503	1
9463_9464	9463	9464	-110.839	-0.718	-0.061	-0.138	0.497	-158.75	1
9464_9464	9464	9464	58.405	-15.374	0.426	0.263	-1.887	-152.951	1
9464_9465	9464	9465	-116.039	-2.875	-0.079	-0.164	0.056	-136.449	1
9465_9465	9465	9465	-31.754	-2.765	-0.012	-0.02	-0.242	-45.199	1
9465_9466	9465	9466	-42.353	12.034	0.067	-0.166	-0.112	-156.081	1
9466_9466	9466	9466	35.976	8.221	0.304	-0.018	-0.507	-74.769	1
9466_9467	9466	9467	-45.971	10.959	-0.035	-0.023	-0.928	-252.074	1
9467_9467	9467	9467	39.682	9.356	0.315	-0.247	2.592	-149.191	1
9467_9468	9467	9468	-47.833	10.06	0.06	-0.304	-0.419	-307.719	1
9468_9468	9468	9468	45.34	0.087	2.827	0.038	4.805	-201.519	1
9468_9469	9468	9469	-45.146	19.871	0.5	-0.391	1.469	-367.282	1
9469_9469	9469	9469	55.22	0.004	-2.731	0.364	10.852	-231.257	1
9469_9470	9469	9470	-42.939	-19.511	-0.291	0.401	-0.481	-307.313	1
9470_9470	9470	9470	52.738	-11.578	-0.244	0.038	2.844	-231.555	1
9470_9471	9470	9471	-46.445	-10.194	0.032	-0.046	-0.36	-250.601	1
9471_9471	9471	9471	52.012	-10.44	-0.166	0.195	1.298	-167.317	1
9471_9472	9471	9472	-42.762	-10.282	0.128	0.196	-0.273	-154.206	1
9472_9472	9472	9472	45.208	-8.272	0.036	0.165	-0.141	-76.154	1
9472_9473	9472	9473	-102.799	5.15	0.002	0.049	-0.86	-123.087	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9473_9473	9473	9473	55.965	15.407	-0.459	-0.265	1.097	-47.156	1
9473_9474	9473	9474	-102.095	2.217	0.016	0.124	0.216	-137.651	1
9474_9474	9474	9474	54.776	16.721	-0.455	-0.211	-2.192	-158.49	1
9474_9475	9474	9475	-98.413	0.09	0.002	0.111	0.128	-137.468	1
9475_9475	9475	9475	55.727	19.042	1.709	0.124	-6.117	-278.992	1
9475_9476	9475	9476	-46.758	4.09	1.636	0.006	15.103	-179.39	1
9476_9476	9476	9476	55.255	20.374	1.663	-0.626	12.661	-486.94	1
9476_9477	9476	9477	-45.237	3.081	1.618	-0.509	20.269	-189.77	1
9477_9477	9477	9477	55.219	21.356	13.285	0.837	18.326	-558.008	1
9477_9148	9477	9148	-45.338	2.99	2.636	0.17	31.726	-202.011	1
9480_9168	9480	9168	56.394	-21.59	-13.839	-0.858	75.501	-652.572	1
9480_9481	9480	9481	-40.296	-2.093	-2.974	-0.167	18.931	-150.809	1
9481_9481	9481	9481	56.395	-20.601	-1.738	0.286	18.624	-564.171	1
9481_9482	9481	9482	-41.556	-2.025	-1.496	0.366	13.669	-143.57	1
9482_9482	9482	9482	56.892	-19.185	-1.738	-0.028	12.547	-492.115	1
9482_9483	9482	9483	-103.883	2.372	1.088	-0.133	1.185	-146.039	1
9483_9483	9483	9483	55.544	-16.887	0.496	0.319	-5.732	-282.793	1
9483_9484	9483	9484	-103.56	-0.308	-0.092	-0.011	-0.117	-142.964	1
9484_9484	9484	9484	55.922	-15.592	0.427	0.148	-2.228	-161.085	1
9484_9485	9484	9485	-109.224	-2.296	0.029	-0.222	0.207	-124.854	1
9485_9485	9485	9485	55.719	-13.188	-0.041	0.259	1.23	-48.703	1
9485_9486	9485	9486	-41.621	12.111	0.071	-0.152	0.199	-158.101	1
9486_9486	9486	9486	42.875	8.492	0.205	-0.181	-0.418	-62.567	1
9486_9487	9486	9487	-44.606	11.262	-0.058	-0.295	-0.93	-255.708	1
9487_9487	9487	9487	46.679	9.767	0.361	0.025	2.01	-139.608	1
9487_9488	9487	9488	-46.143	10.449	-0.084	0.166	-0.879	-313.401	1
9488_9488	9488	9488	52.483	-0.986	3.437	-0.15	4.364	-194.526	1
9488_9489	9488	9489	-42.977	19.824	0.558	-0.578	0.915	-372.889	1
9489_9489	9489	9489	47.885	0.013	-3.611	0.113	15.405	-207.505	1
9489_9490	9489	9490	-42.903	-19.729	-0.493	0.554	-0.908	-315.085	1
9490_9490	9490	9490	46.71	-10.142	-0.429	0.042	5.088	-208.004	1
9490_9491	9490	9491	-45.508	-10.334	0.104	-0.071	-0.889	-257.263	1
9491_9491	9491	9491	44.436	-9.028	-0.333	0.153	2.326	-152.197	1
9491_9492	9491	9492	-42.502	-10.63	0.181	0.203	-0.201	-158.86	1
9492_9492	9492	9492	36.797	-7.112	0.042	0.128	-0.446	-73.403	1
9492_9493	9492	9493	-105.995	5.201	0.053	0.05	-0.51	-120.935	1
9493_9493	9493	9493	58.171	15.647	-0.43	-0.147	0.802	-47.081	1
9493_9494	9493	9494	-105.638	2.176	-0.042	0.22	-0.019	-135.636	1
9494_9494	9494	9494	56.91	17.014	-0.498	-0.315	-2.204	-160.164	1
9494_9495	9494	9495	-99.08	0.19	0.079	0.019	0.464	-135.711	1
9495_9495	9495	9495	58.341	19.389	1.712	0.124	-6.429	-282.772	1
9495_9496	9495	9496	-38.63	3.636	1.273	-0.003	11.483	-151.275	1
9496_9496	9496	9496	57.881	20.725	1.663	-0.614	12.4	-494.693	1
9496_9497	9496	9497	-37.302	2.85	1.252	-0.395	15.384	-160.849	1
9497_9497	9497	9497	57.817	21.723	13.924	0.898	18.001	-566.783	1
9497_9184	9497	9184	-37.364	2.747	2.969	0.163	27.907	-172.098	1
9500_9204	9500	9204	59.514	-21.697	-13.312	-1.268	81.682	-667.356	1
9500_9501	9500	9501	-91.933	2.109	4.193	-0.041	-17.682	-150.332	1
9501_9501	9501	9501	59.529	-20.853	-2.256	1.545	27.7	-578.485	1
9501_9502	9501	9502	-94.468	1.95	1.104	-0.177	-14.709	-156.932	1
9502_9502	9502	9502	60.006	-19.421	-2.41	-0.372	19.442	-505.764	1
9502_9503	9502	9503	-101.537	0.097	1.515	-0.29	0.594	-155.751	1
9503_9503	9503	9503	58.755	-17.083	0.44	0.147	-6.409	-293.687	1
9503_9504	9503	9504	-100.182	-2.537	0.101	-0.256	0.732	-136.864	1
9504_9504	9504	9504	59.135	-15.713	0.515	0.459	-3.147	-170.574	1
9504_9505	9504	9505	-106.036	-4.47	-0.076	-0.109	0.569	-103.004	1
9505_9505	9505	9505	61.84	-12.685	-0.006	0.354	0.864	-58.746	1
9505_9506	9505	9506	-48.234	11.34	0.016	-0.11	-0.453	-177.582	1
9506_9506	9506	9506	64.885	9.275	-0.317	0.079	0.563	-19.203	1
9506_9507	9506	9507	-49.343	11.217	-0.001	0.044	-0.835	-271.32	1
9507_9507	9507	9507	84.486	12.699	-0.192	-0.028	0.075	-111.89	1
9507_9508	9507	9508	-49.759	10.339	0.047	-0.319	-0.889	-328.345	1
9508_9508	9508	9508	83.987	-4.965	-3.924	-1.981	0.441	-182.743	1
9508_9509	9508	9509	-46.908	20.864	-0.13	-0.496	-1.965	-391.271	1
9509_9509	9509	9509	80.793	4.71	-4.361	1.86	-11.771	-169.229	1
9509_9510	9509	9510	-46.959	-21.086	-0.325	0.539	-2.956	-327.541	1
9510_9510	9510	9510	76.804	-12.094	1.748	0.114	-23.492	-183.625	1
9510_9511	9510	9511	-50.764	-10.471	-0.007	0.402	-1.687	-269.119	1
9511_9511	9511	9511	72.068	-10.231	1.617	0.179	-13.815	-117.606	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9511_9512	9511	9512	-53.168	-8.947	-0.216	-0.17	-0.618	-175.395	1
9512_9512	9512	9512	53.557	-6.746	0.021	0.162	0.646	-30.324	1
9512_9513	9512	9513	-84.994	5.853	-0.051	-0.234	-1.476	-100.268	1
9513_9513	9513	9513	61.257	15.657	-0.491	-0.36	0.476	-64.62	1
9513_9514	9513	9514	-76.059	4.551	-0.095	-0.242	-2.148	-129.049	1
9514_9514	9514	9514	59.379	17.247	-0.48	-0.262	-3.028	-178.432	1
9514_9515	9514	9515	-72.708	3.239	-0.089	-0.175	-2.646	-151.551	1
9515_9515	9515	9515	58.786	19.756	2.397	0.11	-6.428	-303.994	1
9515_9516	9515	9516	-62.35	1.66	1.738	-0.009	16.858	-166.973	1
9516_9516	9516	9516	57.666	21.164	2.325	-0.723	19.52	-519.892	1
9516_9517	9516	9517	-62.297	0.17	1.78	-0.531	23.067	-167.559	1
9517_9517	9517	9517	57.778	22.078	13.068	1.233	27.868	-593.767	1
9517_9220	9517	9220	-60.594	0.179	4.419	0.352	40.629	-168.241	1
9520_9240	9520	9240	70.886	-23.188	-0.86	-1.352	46.502	-705.345	1
9520_9521	9520	9521	-51.008	0.187	0.268	-0.429	31.502	-130.086	1
9521_9521	9521	9521	71.244	-22.354	-2.238	0.85	42.443	-609.822	1
9521_9522	9521	9522	-52.912	0.428	-1.732	0.653	26.721	-131.05	1
9522_9522	9522	9522	71.759	-20.641	-2.233	0.061	34.655	-531.812	1
9522_9523	9522	9523	-59.327	-0.258	-1.996	0.016	8.188	-124.825	1
9523_9523	9523	9523	71.422	-18.069	-0.428	0.641	10.047	-305.908	1
9523_9524	9523	9524	-67.73	-1.488	-0.535	0.437	4.362	-111.288	1
9524_9524	9524	9524	71.822	-16.407	-0.559	0.131	6.852	-175.766	1
9524_9525	9524	9525	-74.043	-0.582	-0.338	0.116	1.576	-94.767	1
9525_9525	9525	9525	73.34	-13.234	-0.33	0.362	3.188	-58.457	1
9525_9526	9525	9526	-60.256	11.984	0.155	-0.066	2.103	-187.795	1
9526_9526	9526	9526	41.19	6.136	0.294	-0.004	0.92	-16.826	1
9526_9527	9526	9527	-61.516	11.294	-0.335	0.283	-1.17	-281.119	1
9527_9527	9527	9527	82.851	10.801	-2.526	0.315	-22.119	-83.81	1
9527_9528	9527	9528	-62.224	10.395	-0.037	-0.592	-0.707	-337.338	1
9528_9528	9528	9528	82.62	-6.441	-2.392	-5.469	-35.572	-143.905	1
9528_9529	9528	9529	-58.521	23.15	-0.512	-0.244	-1.943	-407.439	1
9529_9529	9529	9529	79.953	5.234	-5.562	5.484	-42.632	-127.773	1
9529_9530	9529	9530	-58.625	-23.224	-0.579	0.581	-3.396	-237.599	1
9530_9530	9530	9530	72.912	-10.359	3.818	-0.228	-58.853	-142.546	1
9530_9531	9530	9531	-62.278	-9.837	-0.56	0.515	-1.047	-280.288	1
9531_9531	9531	9531	68.676	-8.615	3.596	0.357	-36.868	-85.86	1
9531_9532	9531	9532	-62.804	-9.614	-0.981	-0.101	-3.966	-186.72	1
9532_9532	9532	9532	47.904	-5.318	0.422	0.15	-4.195	-14.878	1
9532_9533	9532	9533	-85.637	4.395	-0.413	-0.24	-2.865	-104.195	1
9533_9533	9533	9533	75.726	16.237	-0.118	-0.013	1.654	-61.91	1
9533_9534	9533	9534	-76.785	3.277	-0.066	-0.027	-3.549	-123.444	1
9534_9534	9534	9534	72.162	18.442	-0.368	-0.628	0.809	-182.215	1
9534_9535	9534	9535	-72.277	2.105	0.181	-0.356	-2.016	-137.319	1
9535_9535	9535	9535	71.217	21.306	0.491	0.339	-2.181	-315.744	1
9535_9536	9535	9536	-61.679	0.487	-0.417	-0.043	-6.818	-140.037	1
9536_9536	9536	9536	70.686	23.008	0.361	-0.841	3.486	-548.504	1
9536_9537	9536	9537	-59.801	-0.818	-0.303	-0.158	-7.833	-137.017	1
9537_9537	9537	9537	70.041	24.149	3.561	3.565	4.816	-627.893	1
9537_9254	9537	9254	-58.156	-0.479	2.647	2.948	2.692	-134.157	1
9540_9275	9540	9275	70.668	-23.381	-4.388	-1.062	68.512	-741.262	1
9540_9541	9540	9541	-61.139	0.023	-3.626	-0.574	46.939	-170.167	1
9541_9541	9541	9541	69.918	-22.903	-2.328	2.287	50.162	-644.036	1
9541_9542	9541	9542	-63.112	0.05	-2.792	1.328	37.951	-169.254	1
9542_9542	9542	9542	70.441	-21.221	-2.485	-0.102	41.681	-564.174	1
9542_9543	9542	9543	-67.581	-1.012	-2.825	0.003	9.412	-155.416	1
9543_9543	9543	9543	72.593	-18.804	-0.614	0.753	14.679	-332.064	1
9543_9544	9543	9544	-74.458	-2.601	-0.433	0.552	6.182	-132.762	1
9544_9544	9544	9544	73.087	-17.14	-0.68	0.327	10.214	-196.622	1
9544_9545	9544	9545	-79.189	-2.187	-0.293	0.277	3.793	-106.194	1
9545_9545	9545	9545	73.594	-14.179	-0.797	0.432	5.406	-73.322	1
9545_9546	9545	9546	-61.455	11.608	0.297	0.002	4.497	-185.231	1
9546_9546	9546	9546	51.527	7.973	2.371	0.028	6.404	-22.583	1
9546_9547	9546	9547	-62.306	11.76	-0.331	0.164	2.149	-281.265	1
9547_9547	9547	9547	63.066	10.381	2.738	-0.731	32.075	-99.866	1
9547_9548	9547	9548	-63.274	10.96	0.035	-0.262	5.126	-340.602	1
9548_9548	9548	9548	68.695	-3.454	0.804	7.765	48.263	-159.166	1
9548_9549	9548	9549	-59.257	23.953	-0.879	0.435	2.32	-412.82	1
9549_9549	9549	9549	66.84	4.425	4.175	-7.288	49.178	-143.793	1
9549_9550	9549	9550	-59.719	-22.949	-0.426	-0.25	3.829	-343.429	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9550_9550	9550	9550	78.956	-12.235	-3.716	0.814	64.163	-160.125	1
9550_9551	9550	9551	-62.811	-9.446	-1.104	0.862	-0.355	-289.778	1
9551_9551	9551	9551	73.843	-10.167	-3.773	-0.436	40.883	-91.674	1
9551_9552	9551	9552	-63.373	-9.032	-1.918	-0.226	-5.544	-205.774	1
9552_9552	9552	9552	39.451	-4.765	0.787	0.14	-7.741	-13.015	1
9552_9553	9552	9553	-87.119	3.584	-0.999	-0.245	-6.97	-120.257	1
9553_9553	9553	9553	75.861	16.334	-0.378	-0.356	0.965	-46.92	1
9553_9554	9553	9554	-79.819	3.262	0.186	-0.257	-5.555	-135.488	1
9554_9554	9554	9554	72.381	18.695	-0.393	-0.243	-1.776	-163.817	1
9554_9555	9554	9555	-74.723	1.975	0.141	-0.071	-4.367	-146.515	1
9555_9555	9555	9555	72.028	21.818	0.512	0.315	-4.515	-294.908	1
9555_9556	9555	9556	-63.35	0.167	0.573	0.01	1.763	-143.164	1
9556_9556	9556	9556	71.407	23.772	0.44	-0.298	1.108	-527.439	1
9556_9557	9556	9557	-62.123	-1.439	0.63	-0.194	3.89	-137.88	1
9557_9557	9557	9557	70.363	25.101	2.557	2.677	2.975	-607.163	1
9557_9288	9557	9288	-57.395	-1.231	1.532	1.757	11.858	-128.627	1
49000_9000	49000	9000	-0.981	-5.86	3.229	1.361	0	-9.725	1
49000_9001	49000	9001	0.557	6.115	-4.112	-1.568	-34.128	-43.251	1
49001_9001	49001	9001	1.178	29.434	-0.617	-5.639	-5.108	-540.378	1
49001_9002	49001	9002	0.65	6.174	-4.027	-1.617	-69.234	-98.026	1
49002_9002	49002	9002	1.574	25.24	0.869	-4.094	-15.673	-1037.667	1
49002_9003	49002	9003	0.737	5.92	1.888	-1.486	-44.613	-169.462	1
49003_9003	49003	9003	2.009	18.653	1.132	-8.071	-9.578	-1591.034	1
49003_9004	49003	9004	0.74	5.92	1.887	-1.783	-21.798	-241.031	1
49004_9004	49004	9004	2.174	9.339	0.064	-2.55	3.454	-2009.971	1
49004_9005	49004	9005	0.772	6.113	-0.01	-1.432	-21.841	-314.864	1
49005_9005	49005	9005	2.464	3.356	0.181	-7.551	2.285	-2359.375	1
49005_9006	49005	9006	0.772	6.113	-0.011	-1.983	-21.976	-388.751	1
49006_9006	49006	9006	2.68	1.281	-0.261	-1.755	2.952	-2592.34	1
49006_9007	49006	9007	0.772	6.089	-0.376	-1.353	-26.523	-462.331	1
49007_9007	49007	9007	2.827	-4.195	-0.182	-4.866	-2.501	-2763.739	1
49007_9008	49007	9008	0.772	6.089	-0.377	-1.732	-31.078	-535.904	1
49008_9008	49008	9008	2.914	-5.21	-0.331	-1.248	-6.851	-2837.385	1
49008_9009	49008	9009	0.771	6.207	-0.397	-1.323	-35.878	-610.937	1
49009_9009	49009	9009	2.95	-10.377	-0.249	-1.816	-13.471	-2874.316	1
49009_9010	49009	9010	0.771	6.207	-0.397	-1.258	-40.674	-685.912	1
49010_9010	49010	9010	2.939	-11.201	-0.449	2.874	-18.735	-2827.357	1
49010_9011	49010	9011	0.77	6.4	-0.412	-0.32	-45.656	-763.267	1
49011_9011	49011	9011	2.948	-34.046	-0.494	-0.817	-22.518	-2781.946	1
49011_9012	49011	9012	0.769	6.4	-0.413	-1.573	-50.653	-840.607	1
49012_9012	49012	9012	2.936	-35.128	-0.816	5.549	-29.124	-2663.181	1
49012_9013	49012	9013	0.769	6.658	-0.366	0.253	-55.074	-921.054	1
49013_9013	49013	9013	2.883	-40.083	-0.705	0.787	-39.43	-2517.789	1
49013_9014	49013	9014	0.769	6.658	-0.367	-1.26	-59.509	-1001.484	1
49014_9014	49014	9014	2.794	-42.68	0.195	5.269	-46.916	-2301.907	1
49014_9015	49014	9015	0.803	6.971	-0.28	0.36	-63.412	-1109.729	1
49015_9015	49015	9015	3.059	-47.887	0.217	1.424	-42.862	-1980.524	1
49015_9016	49015	9016	0.741	6.978	-0.281	-0.671	-65.743	-1166.833	1
49016_9016	49016	9016	3.773	-48.674	1.455	5.817	-40.206	-1777	1
49016_9017	49016	9017	0.609	7.274	0.093	1.581	-64.627	-1252.357	1
49017_9017	49017	9017	5.01	-52.897	1.415	2.739	-23.412	-1483.719	1
49017_9018	49017	9018	0.429	7.287	0.091	0.377	-63.506	-1349.127	1
49018_9018	49018	9018	4.388	-36.495	-1.643	2.841	-16.478	-1136.378	1
49018_9019	49018	9019	0.264	7.479	-0.562	2.326	-69.656	-1442.728	1
49019_9019	49019	9019	5.423	-39.926	-0.983	1.532	-33.819	-803.433	1
49019_9020	49019	9020	0.066	7.483	-0.563	1.742	-76.895	-1536.778	1
49020_9020	49020	9020	-78.072	-4.474	5.214	1.937	-175.705	-778.763	1
49020_9021	49020	9021	50.182	-17.399	1.351	2.883	-57.952	-622.481	1
49021_9021	49021	9021	-70.903	-7.257	5.26	-1.902	-118.64	-889.951	1
49021_9022	49021	9022	58.29	-13.429	1.972	0.775	-63.825	-491.502	1
49022_9022	49022	9022	-65.224	-9.9	5.039	-1.466	-71.882	-962.375	1
49022_9023	49022	9023	74.495	-4.542	3.228	0.631	-73.1	-432.897	1
49023_9023	49023	9023	-59.461	-11.884	0.793	1.336	-27.921	-1025.501	1
49023_9024	49023	9024	71.964	-2.857	1.91	1.717	-60.662	-403.881	1
49024_9024	49024	9024	-54	-15.063	0.696	0.854	-17.681	-1082.276	1
49024_9025	49024	9025	70.334	-2.449	1.9	1.669	-45.901	-382.77	1
49025_9025	49025	9025	-49.068	-18.55	0.654	-1.062	-8.978	-1121.913	1
49025_9026	49025	9026	66.553	-1.841	1.775	1.103	-32.184	-365.615	1
49026_9026	49026	9026	-45.055	-20.209	0.157	2.965	-1.77	-1146.643	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49026_9027	49026	9027	66.553	-1.61	1.538	2.286	-22.961	-355.962	1
49027_9027	49027	9027	-42.58	-23.077	0.194	0.66	0.185	-1161.902	1
49027_9028	49027	9028	64.537	-1.394	1.41	1.582	-14.777	-347.301	1
49028_9028	49028	9028	-40.668	-26.114	0.142	0.488	2.101	-1165.991	1
49028_9029	49028	9029	63.691	-1.321	1.417	1.624	-6.396	-339.073	1
49029_9029	49029	9029	-38.075	-13.692	-0.122	-1.636	3.706	-1152.234	1
49029_9030	49029	9030	61.952	-1.179	1.397	1.522	1.707	-331.839	1
49030_9030	49030	9030	-39.022	-14.37	-0.47	1.111	2.701	-1133.392	1
49030_9031	49030	9031	61.955	-0.817	1.734	2.426	15.569	-325.315	1
49031_9031	49031	9031	-40.991	-18.188	-0.603	0.558	-2.886	-1104.753	1
49031_9032	49031	9032	98.024	4.097	-1.739	-1.618	-35.358	-326.754	1
49032_9032	49032	9032	-43.857	-21.688	-0.651	-1.446	-10.486	-1060.491	1
49032_9033	49032	9033	96.411	7.025	-1.777	-2.27	-47.297	-367.395	1
49033_9033	49033	9033	-47.3	-23.945	-4.854	2.589	-19.291	-998.857	1
49033_9034	49033	9034	70.876	14.892	-1.857	-1.159	-48.081	-451.945	1
49034_9034	49034	9034	-51.072	-26.907	-5.079	2.109	-62.502	-930.102	1
49034_9035	49034	9035	59.455	-19.102	-1.041	-1.565	-43.07	-581.401	1
49035_9035	49035	9035	-54.938	-29.583	-5.095	-1.683	-108.091	-837.684	1
49035_9036	49035	9036	48.234	25.076	-0.079	-3.491	-18.608	-804.995	1
49036_9036	49036	9036	-7.636	-6.914	0.238	1.475	-5.694	-452.938	1
49036_9037	49036	9037	25.294	-11.168	0.463	-1.126	-41.105	-1320.247	1
49037_9037	49037	9037	19.891	1.464	0.778	-2.295	-22.756	-726.969	1
49037_9038	49037	9038	25.58	-10.487	0.393	-3.283	-36.121	-1188.671	1
49038_9038	49038	9038	23.789	-1.529	-0.793	-0.524	-7.157	-1003.534	1
49038_9039	49038	9039	25.843	-9.636	-0.161	-0.607	-38.423	-1060.895	1
49039_9039	49039	9039	27.728	-5.215	-1.067	-3.234	-14.873	-1262.138	1
49039_9040	49039	9040	26.074	-8.991	-0.21	-1.588	-40.844	-952.611	1
49040_9040	49040	9040	30.806	-6.808	-0.722	-1.605	-26.719	-1458.559	1
49040_9041	49040	9041	26.228	-8.196	-0.134	-0.614	-41.971	-885.038	1
49041_9041	49041	9041	32.617	-10.166	-0.792	-1.594	-33.084	-1581.99	1
49041_9042	49041	9042	26.3	-7.961	-0.131	-0.096	-43.951	-757.318	1
49042_9042	49042	9042	34.811	-12.14	0.168	0.521	-47.106	-1777.612	1
49042_9043	49042	9043	26.3	-7.539	0.28	0.683	-40.627	-667.728	1
49043_9043	49043	9043	35.477	0.401	0.117	-3.847	-47.501	-1918.365	1
49043_9044	49043	9044	26.3	-7.539	0.26	0.176	-37.543	-578.22	1
49044_9044	49044	9044	34.61	-0.859	0.051	0.069	-46.084	-2011.732	1
49044_9045	49044	9045	26.301	-7.283	0.203	1.061	-35.136	-491.692	1
49045_9045	49045	9045	33.41	-6.29	0.017	-2.749	-45.612	-2089.464	1
49045_9046	49045	9046	6.88	7.452	-0.277	-1.254	-35.886	-431.37	1
49046_9046	49046	9046	31.953	-7.437	-0.073	1.517	-45.156	-2099.57	1
49046_9047	49046	9047	6.879	7.57	-0.303	-0.601	-39.49	-521.275	1
49047_9047	49047	9047	33.379	-29.77	-0.067	0.781	-45.882	-2098.274	1
49047_9048	49047	9048	6.879	7.57	-0.309	-1.038	-43.161	-611.174	1
49048_9048	49048	9048	31.922	-31.101	-0.225	4.631	-46.87	-2029.991	1
49048_9049	49048	9049	6.879	7.768	-0.361	-0.1	-47.452	-703.417	1
49049_9049	49049	9049	30.262	-36.455	-0.249	2.145	-49.811	-1945.495	1
49049_9050	49049	9050	6.878	7.768	-0.367	-0.69	-51.81	-795.654	1
49050_9050	49050	9050	24.019	-20.802	0.845	3.355	-50.861	-1806.053	1
49050_9051	49050	9051	6.878	8.079	-0.073	0.374	-52.91	-917.927	1
49051_9051	49051	9051	20.93	-26.661	0.724	0.928	-37.331	-1616.642	1
49051_9052	49051	9052	7.003	8.149	-0.073	-0.035	-53.191	-985.688	1
49052_9052	49052	9052	19.417	-27.121	1.161	3.108	-31.198	-1484.934	1
49052_9053	49052	9053	6.862	8.537	-0.008	0.537	-53.28	-1085.998	1
49053_9053	49053	9053	17.408	-30.968	1.007	2.605	-19.465	-1295.471	1
49053_9054	49053	9054	6.66	8.712	-0.008	1.657	-53.323	-1203.865	1
49054_9054	49054	9054	15.102	-34.411	-1.721	2.539	-11.828	-1031.586	1
49054_9055	49054	9055	6.432	9.027	-0.639	1.83	-61.361	-1317.008	1
49055_9055	49055	9055	13.355	-38.153	-1.113	1.784	-31.063	-751.154	1
49055_9056	49055	9056	6.399	9.231	-0.651	2.391	-68.927	-1432.853	1
49056_9056	49056	9056	-70.383	-4.765	4.774	1.828	-153.699	-797.367	1
49056_9057	49056	9057	59.841	-15.055	1.592	2.893	-60.234	-570.095	1
49057_9057	49057	9057	-65.131	-7.698	4.816	-0.607	-101.969	-914.831	1
49057_9058	49057	9058	76.458	-7.139	2.704	1.26	-76.912	-473.552	1
49058_9058	49058	9058	-60.946	-10.448	4.768	-2.406	-59.411	-1000.96	1
49058_9059	49058	9059	75.178	-3.974	2.737	0.481	-63.683	-433.357	1
49059_9059	49059	9059	-56.633	-12.419	0.537	1.975	-18.409	-1074.423	1
49059_9060	49059	9060	71.654	-2.827	1.756	2.211	-50.915	-406.522	1
49060_9060	49060	9060	-52.551	-15.629	0.539	0.025	-10.925	-1139.184	1
49060_9061	49060	9061	68.9	-2.378	1.64	1.611	-38.205	-385.429	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49061_9061	49061	9061	-48.89	-19.122	0.463	-0.548	-4.069	-1185.226	1
49061_9062	49061	9062	66.014	-2.022	1.611	1.557	-25.66	-367.752	1
49062_9062	49062	9062	-45.991	-20.614	0.116	1.442	1.218	-1213.894	1
49062_9063	49062	9063	64.248	-1.599	1.236	2.048	-18.523	-357.515	1
49063_9063	49063	9063	-44.261	-23.453	0.008	3.246	2.595	-1232.538	1
49063_9064	49063	9064	61.97	1.272	-1.112	-1.421	-3.811	-360.246	1
49064_9064	49064	9064	-41.805	-10.68	-0.036	-2.869	3.937	-1238.631	1
49064_9065	49064	9065	65.22	1.487	-1.33	-2.674	-11.27	-368.425	1
49065_9065	49065	9065	-42.483	-13.64	-0.128	-1.222	3.459	-1231.179	1
49065_9066	49065	9066	67.661	1.687	-1.231	-2.145	-18.297	-377.398	1
49066_9066	49066	9066	-43.647	-14.18	-0.396	1.596	2.236	-1211.237	1
49066_9067	49066	9067	71.662	2.37	-1.573	-1.486	-30.198	-393.859	1
49067_9067	49067	9067	-45.822	-17.944	-0.434	-0.419	-2.739	-1180.935	1
49067_9068	49067	9068	74.683	2.782	-1.673	-2.028	-43.002	-413.962	1
49068_9068	49068	9068	-48.822	-21.42	-0.504	-0.965	-8.782	-1134.04	1
49068_9069	49068	9069	79.047	3.696	-1.672	-2.114	-55.038	-439.978	1
49069_9069	49069	9069	-52.33	-23.495	-4.602	2.053	-15.997	-1068.712	1
49069_9070	49069	9070	82.118	7.025	-2.844	-1.074	-70.842	-480.823	1
49070_9070	49070	9070	-56.112	-26.481	-4.802	1.424	-56.788	-996.431	1
49070_9071	49070	9071	64.279	15.577	-1.493	-1.684	-54.219	-577.717	1
49071_9071	49071	9071	-59.882	-29.202	-4.828	-1.087	-99.852	-907.936	1
49071_9072	49071	9072	51.721	22.484	-0.404	-3.26	-28.799	-767.034	1
49072_9072	49072	9072	12.53	4.871	0.591	-0.696	-33.958	-437.387	1
49072_9073	49072	9073	11.159	-9.25	0.64	-1.764	-53.468	-1341.562	1
49073_9073	49073	9073	15.647	1.719	1.112	-1.945	-29.147	-755.29	1
49073_9074	49073	9074	10.943	-8.9	0.615	-2.548	-46.277	-1229.928	1
49074_9074	49074	9074	18.885	-1.259	-0.834	-0.497	-9.434	-1045.292	1
49074_9075	49074	9075	11.165	-8.449	-0.122	-0.565	-47.985	-1117.883	1
49075_9075	49075	9075	22.204	-5.069	-1.153	-3.465	-18.155	-1317.412	1
49075_9076	49075	9076	11.378	-8.159	-0.148	-1.796	-49.662	-1018.301	1
49076_9076	49076	9076	24.782	-6.61	-0.622	-0.735	-31.759	-1532.497	1
49076_9077	49076	9077	11.016	-7.616	-0.094	-0.292	-50.885	-955.397	1
49077_9077	49077	9077	28.624	8.847	-0.826	-3.833	-38.657	-1694.368	1
49077_9078	49077	9078	11.081	-7.521	-0.098	-0.243	-52.235	-856.154	1
49078_9078	49078	9078	28.968	6.353	0.368	-1.395	-50.875	-1923.292	1
49078_9079	49078	9079	11.081	-7.266	0.348	0.577	-48.347	-775.082	1
49079_9079	49079	9079	28.867	1.485	0.389	-4.325	-47.15	-2091.517	1
49079_9080	49079	9080	11.082	-7.266	0.338	-0.156	-44.573	-693.94	1
49080_9080	49080	9080	28.556	0.655	0.11	-1.282	-42.468	-2202.261	1
49080_9081	49080	9081	11.082	-7.036	0.279	0.634	-41.463	-615.374	1
49081_9081	49081	9081	28.095	-4.25	0.141	-2.259	-41.237	-2299.897	1
49081_9082	49081	9082	11.082	-7.036	0.279	0.634	-38.353	-536.808	1
49082_9082	49082	9082	27.516	-4.785	-0.037	0.902	-39.318	-2336.184	1
49082_9083	49082	9083	10.461	-6.873	0.261	1.113	-35.372	-454.266	1
49083_9083	49083	9083	26.806	-10.045	-0.029	-1.971	-39.814	-2361.108	1
49083_9084	49083	9084	4.188	6.395	-0.318	-1.051	-37.165	-529.453	1
49084_9084	49084	9084	27.49	-28.355	-0.183	4.001	-39.985	-2328.629	1
49084_9085	49084	9085	4.51	6.55	-0.337	-0.311	-40.806	-602.51	1
49085_9085	49085	9085	26.829	-33.184	-0.162	1.191	-41.688	-2285.537	1
49085_9086	49085	9086	4.51	6.55	-0.341	-0.85	-44.617	-675.628	1
49086_9086	49086	9086	26.091	-34.076	-0.462	5.009	-42.926	-2182.169	1
49086_9087	49086	9087	4.543	6.735	-0.372	0.165	-48.746	-750.876	1
49087_9087	49087	9087	25.26	-38.907	-0.428	2.479	-47.587	-2066.004	1
49087_9088	49087	9088	4.543	6.735	-0.376	-0.474	-52.938	-826.061	1
49088_9088	49088	9088	24.314	-40.253	0.662	5.043	-51.221	-1894.06	1
49088_9089	49088	9089	4.542	7.035	-0.128	0.339	-54.628	-918.812	1
49089_9089	49089	9089	19.812	-27.386	0.515	1.163	-39.748	-1675.104	1
49089_9090	49089	9090	4.481	7.075	-0.131	0.19	-55.714	-976.331	1
49090_9090	49090	9090	18.787	-27.83	1.213	3.633	-34.699	-1525.159	1
49090_9091	49090	9091	4.707	7.396	0.028	0.993	-54.824	-1063.177	1
49091_9091	49091	9091	17.32	-31.636	1.025	1.864	-21.953	-1309.619	1
49091_9092	49091	9092	4.519	7.513	0.023	1.126	-54.544	-1163.665	1
49092_9092	49092	9092	15.464	-34.924	-1.871	2.824	-13.17	-1023.34	1
49092_9093	49092	9093	4.413	7.811	-0.776	2.656	-63.981	-1261.442	1
49093_9093	49093	9093	13.978	-38.581	-1.301	1.145	-34.335	-728.62	1
49093_9094	49093	9094	-29.879	35.475	2.711	-6.875	73.309	-1375.966	1
49094_9094	49094	9094	-71.219	-4.714	4.654	1.483	-147.913	-790.149	1
49094_9095	49094	9095	56.115	-15.349	1.44	2.588	-56.122	-563.799	1
49095_9095	49095	9095	-65.859	-7.638	4.682	-0.749	-97.586	-905.94	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49095_9096	49095	9096	70.659	-7.382	2.543	1.121	-72.751	-464.899	1
49096_9096	49096	9096	-61.578	-10.398	4.549	-1.266	-56.264	-992.16	1
49096_9097	49096	9097	69.015	-4.055	2.743	0.95	-60.341	-423.817	1
49097_9097	49097	9097	-57.149	-12.269	0.502	1.851	-17.171	-1065.768	1
49097_9098	49097	9098	65.536	-2.8	1.8	2.074	-47.61	-398.204	1
49098_9098	49098	9098	-52.937	-15.493	0.495	0.066	-10.169	-1132.218	1
49098_9099	49098	9099	61.472	-2.093	1.709	1.511	-34.721	-379.293	1
49099_9099	49099	9099	-49.144	-19.001	0.419	-0.545	-3.907	-1180.009	1
49099_9100	49099	9100	58.717	-1.743	1.689	1.444	-21.555	-364.329	1
49100_9100	49100	9100	-46.092	-20.407	0.176	1.884	0.783	-1210.486	1
49100_9101	49100	9101	64.745	1.319	-1.336	-1.863	-1.259	-360.578	1
49101_9101	49101	9101	-44.231	-23.248	0.131	1.659	2.283	-1230.755	1
49101_9102	49101	9102	65.992	1.399	-1.339	-1.864	-9.054	-368.545	1
49102_9102	49102	9102	-40.951	-10.549	-0.127	-0.349	2.817	-1240.568	1
49102_9103	49102	9103	67.223	1.478	-1.347	-1.904	-16.946	-377.396	1
49103_9103	49103	9103	-41.42	-13.537	-0.101	-2.784	1.408	-1233.723	1
49103_9104	49103	9104	70.432	1.73	-1.475	-2.584	-25.319	-387.044	1
49104_9104	49104	9104	-42.362	-13.972	-0.341	1.61	-0.126	-1214.671	1
49104_9105	49104	9105	72.652	2.215	-1.622	-1.416	-37.959	-403.958	1
49105_9105	49105	9105	-44.217	-17.773	-0.387	-0.445	-5.302	-1185.404	1
49105_9106	49105	9106	77.29	2.826	-1.744	-2.006	-51.149	-424.057	1
49106_9106	49106	9106	-46.88	-21.301	-0.469	-0.928	-11.684	-1138.753	1
49106_9107	49106	9107	81.462	3.755	-1.746	-2.064	-63.735	-449.345	1
49107_9107	49107	9107	-50.029	-23.37	-4.339	1.72	-19.392	-1072.949	1
49107_9108	49107	9108	84.165	6.295	-2.639	-1.191	-79.197	-486.524	1
49108_9108	49108	9108	-53.45	-26.42	-4.534	1.159	-58.811	-999.594	1
49108_9109	49108	9109	65.831	14.994	-1.405	-1.736	-59.725	-571.938	1
49109_9109	49109	9109	-56.815	-29.203	-4.602	-0.617	-100.354	-909.828	1
49109_9110	49109	9110	52.088	22.162	-0.309	-2.873	-31.587	-751.794	1
49110_9110	49110	9110	-2.209	-2.467	0.128	-0.478	-26.443	-476.616	1
49110_9111	49110	9111	13.13	-9.876	0.807	-1.782	-66.469	-1342.604	1
49111_9111	49111	9111	17.151	1.188	1.307	-1.657	-37.998	-762.386	1
49111_9112	49111	9112	13.385	-9.529	0.785	-2.206	-56.491	-1223.123	1
49112_9112	49112	9112	20.839	-1.795	-0.709	-0.888	-17.617	-1042.395	1
49112_9113	49112	9113	13.304	-8.958	0.047	-1.065	-56.429	-1104.327	1
49113_9113	49113	9113	24.728	-5.735	-0.963	-2.71	-25.82	-1304.229	1
49113_9114	49113	9114	13.527	-8.619	0.029	-1.061	-56.062	-1000.738	1
49114_9114	49114	9114	27.933	-7.391	-0.344	-1.082	-37.805	-1501.065	1
49114_9115	49114	9115	13.672	-8.175	0.189	-0.434	-54.513	-933.294	1
49115_9115	49115	9115	29.917	-10.224	-0.366	-1.685	-41.524	-1635.167	1
49115_9116	49115	9116	13.743	-8.055	0.186	-0.12	-51.965	-823.488	1
49116_9116	49116	9116	32.494	-12.293	0.352	1.255	-48.117	-1812.14	1
49116_9117	49116	9117	13.744	-7.723	0.429	0.956	-47.171	-737.283	1
49117_9117	49117	9117	35.942	0.418	0.402	-4.957	-45.443	-1948.951	1
49117_9118	49117	9118	13.744	-7.723	0.405	-0.376	-42.651	-651.004	1
49118_9118	49118	9118	36.354	-0.394	0.337	0.839	-40.444	-2038.513	1
49118_9119	49118	9119	12.976	-7.523	0.387	1.25	-38.661	-566.922	1
49119_9119	49119	9119	36.547	-5.478	0.3	-3.938	-36.365	-2116.333	1
49119_9120	49119	9120	12.977	-7.523	0.364	0.226	-34.594	-482.877	1
49120_9120	49120	9120	36.314	-22.962	0.149	3.734	-33.244	-2136.966	1
49120_9121	49120	9121	12.977	-7.365	0.378	1.35	-30.064	-394.565	1
49121_9121	49121	9121	36.542	-28.264	0.125	-0.612	-30.806	-2153.21	1
49121_9122	49121	9122	13.555	4.607	-0.135	-0.914	-22.755	-337.15	1
49122_9122	49122	9122	36.571	-29.232	0.089	5.792	-28.526	-2099.511	1
49122_9123	49122	9123	13.555	4.721	-0.105	0.046	-23.925	-389.885	1
49123_9123	49123	9123	36.437	-34.232	0.026	-0.271	-27.061	-2037.462	1
49123_9124	49123	9124	13.555	4.721	-0.141	-1.001	-25.502	-442.617	1
49124_9124	49124	9124	36.166	-35.013	-0.174	5.696	-26.25	-1915.427	1
49124_9125	49124	9125	13.555	4.903	-0.138	0.249	-27.044	-497.333	1
49125_9125	49125	9125	35.705	-39.993	-0.194	1.773	-27.883	-1783.812	1
49125_9126	49125	9126	13.823	4.909	-0.16	-0.643	-28.549	-552.158	1
49126_9126	49126	9126	35.024	-41.385	0.867	5.331	-29.319	-1596.95	1
49126_9127	49126	9127	13.823	5.137	0.063	0.418	-27.711	-620.945	1
49127_9127	49127	9127	30.117	-28.819	0.619	0.406	-18.328	-1380.478	1
49127_9128	49127	9128	13.778	5.255	0.043	-0.225	-27.359	-660.62	1
49128_9128	49128	9128	28.722	-28.831	1.456	3.862	-13.471	-1233.673	1
49128_9129	49128	9129	13.743	5.807	0.23	1.188	-24.527	-728.86	1
49129_9129	49129	9129	26.547	-32.393	1.239	1.184	0.463	-1037.765	1
49129_9130	49129	9130	-38.065	28.401	-1.001	-5.257	-16.879	-899.009	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49130_9130	49130	9130	23.636	-35.469	-2.245	2.117	9.711	-776.593	1
49130_9131	49130	9131	-39.012	32.431	1.865	-3.891	3.383	-1269.415	1
49131_9131	49131	9131	21.026	-38.977	-1.783	1.241	-19.991	-510.427	1
49131_9132	49131	9132	-39.966	36.908	2.333	-5.444	35.037	-1699.798	1
49132_9132	49132	9132	-73.863	-1.901	4.983	0.633	-129.968	-599.985	1
49132_9133	49132	9133	41.17	-20.645	-0.361	2.027	-9.586	-497.101	1
49133_9133	49133	9133	-67.716	-4.999	4.952	-0.271	-80.345	-755.464	1
49133_9134	49133	9134	65.885	-2.335	-1.897	-1.967	27.776	-430.117	1
49134_9134	49134	9134	-62.749	-7.947	5.003	-2.021	-39.245	-862.328	1
49134_9135	49134	9135	65.882	-2.335	-1.982	-2.522	12.419	-412.015	1
49135_9135	49135	9135	-57.658	-10.418	0.044	1.441	1.674	-955.831	1
49135_9136	49135	9136	65.884	-2.122	-0.799	-1.467	6.023	-395.039	1
49136_9136	49136	9136	-52.754	-13.887	0.064	-0.276	3.355	-1037.287	1
49136_9137	49136	9137	67.945	-2.064	-0.899	-1.999	-0.588	-378.455	1
49137_9137	49137	9137	-48.269	-17.674	0.016	-0.838	4.645	-1097.234	1
49137_9138	49137	9138	69.544	-2.013	-0.913	-2.028	-7.542	-362.275	1
49138_9138	49138	9138	-44.548	-19.387	-0.115	2.529	4.817	-1137.104	1
49138_9139	49138	9139	70.848	-1.617	-0.615	-0.896	-11.039	-352.241	1
49139_9139	49139	9139	-37.257	-7.794	-0.099	-1.236	2.776	-1166.964	1
49139_9140	49139	9140	72.131	-1.557	-0.736	-1.5	-15.264	-342.844	1
49140_9140	49140	9140	-37.023	-11.114	-0.101	-1.615	1.638	-1179.513	1
49140_9141	49140	9141	74.008	-1.445	-0.739	-1.524	-19.424	-333.727	1
49141_9141	49141	9141	-37.186	-14.362	-0.163	-0.036	0.443	-1171.651	1
49141_9142	49141	9142	76.051	-1.303	-0.615	-0.995	-22.806	-325.467	1
49142_9142	49142	9142	-37.852	-15.01	-0.115	0.529	-1.087	-1149.294	1
49142_9143	49142	9143	79.407	-0.772	-0.978	-1.083	-30.001	-318.074	1
49143_9143	49143	9143	-39.387	-19.137	-0.222	1.303	-3.542	-1113.723	1
49143_9144	49143	9144	37.788	2.426	0.883	1.79	18.203	-329.919	1
49144_9144	49144	9144	-41.753	-22.941	-0.213	-0.636	-7.286	-1057.246	1
49144_9145	49144	9145	35.67	2.49	0.82	1.328	24.043	-349.532	1
49145_9145	49145	9145	-44.598	-25.495	-3.909	1.781	-11.307	-978.722	1
49145_9146	49145	9146	67.714	12.686	-0.936	-1.662	-32.238	-386.402	1
49146_9146	49146	9146	-47.739	-28.772	-4.11	2.289	-45.28	-888.908	1
49146_9147	49146	9147	52.754	20.052	0.028	-1.898	-16.771	-509.868	1
49147_9147	49147	9147	-50.827	-31.744	-4.12	-0.181	-81.04	-774.448	1
49147_9148	49147	9148	44.711	26.297	0.68	-3.002	6.512	-735.373	1
49148_9148	49148	9148	-26.318	-3.976	0.142	0.499	-2.772	-397.595	1
49148_9149	49148	9149	29.966	-10.92	0.615	-1.907	-39.085	-1122.514	1
49149_9149	49149	9149	28.419	0.851	1.099	-0.839	-22.175	-619.08	1
49149_9150	49149	9150	30.203	-10.125	0.614	-0.878	-31.512	-995.525	1
49150_9150	49150	9150	34.43	-2.17	-0.808	-1.34	-0.986	-869.132	1
49150_9151	49150	9151	30.45	-9.333	-0.075	-1.368	-32.449	-871.708	1
49151_9151	49151	9151	40.71	-5.846	-1.034	-1.092	-7.706	-1089.034	1
49151_9152	49151	9152	30.679	-8.55	-0.048	0.221	-33.059	-761.366	1
49152_9152	49152	9152	45.845	-7.477	-0.463	-1.239	-18.55	-1260.108	1
49152_9153	49152	9153	30.815	-7.901	0.109	-0.377	-32.141	-696.182	1
49153_9153	49153	9153	49.079	-10.256	-0.489	-0.755	-22.165	-1371.959	1
49153_9154	49153	9154	30.881	-7.638	0.132	0.39	-30.334	-588.05	1
49154_9154	49154	9154	53.433	-12.873	0.094	1.012	-29.595	-1526.184	1
49154_9155	49154	9155	30.579	-7.443	0.217	0.764	-28.164	-506.143	1
49155_9155	49155	9155	56.077	-17.596	0.05	-1.267	-29.005	-1635.897	1
49155_9156	49155	9156	30.579	-7.443	0.19	0.304	-26.079	-424.268	1
49156_9156	49156	9156	57.889	-19.144	0.11	2.193	-28.694	-1703.643	1
49156_9157	49156	9157	30.579	-7.344	0.24	0.976	-23.678	-350.823	1
49157_9157	49157	9157	59.001	-23.726	0.052	-0.29	-27.885	-1750.411	1
49157_9158	49157	9158	30.579	-7.344	0.21	0.625	-21.582	-277.379	1
49158_9158	49158	9158	59.567	-24.833	0.008	3.294	-27.657	-1753.546	1
49158_9159	49158	9159	26.511	6.537	-0.192	-0.533	-23.521	-319.982	1
49159_9159	49159	9159	59.666	-29.567	-0.06	0.81	-28.012	-1745.937	1
49159_9160	49159	9160	26.511	6.537	-0.218	-0.853	-25.706	-385.349	1
49160_9160	49160	9160	56.656	-14.369	-0.023	1.764	-29.605	-1695.539	1
49160_9161	49160	9161	26.511	6.632	-0.168	-0.403	-27.552	-458.24	1
49161_9161	49161	9161	54.513	-19.46	-0.034	0.719	-29.921	-1623.455	1
49161_9162	49161	9162	26.511	6.632	-0.168	-0.403	-29.4	-531.196	1
49162_9162	49162	9162	51.612	-21.068	0.673	1.888	-29.891	-1508.772	1
49162_9163	49162	9163	26.511	6.83	-0.057	-0.399	-30.179	-625.106	1
49163_9163	49163	9163	47.29	-26.432	0.637	2.469	-21.352	-1351.699	1
49163_9164	49163	9164	26.453	7.054	-0.025	0.613	-30.378	-685.186	1
49164_9164	49164	9164	44.508	-26.832	1.24	2.342	-16.959	-1231.404	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49164_9165	49164	9165	26.332	7.634	0.124	-0.082	-28.93	-774.907	1
49165_9165	49165	9165	40.323	-30.311	1.113	2.459	-5.772	-1064.825	1
49165_9166	49165	9166	26.129	8.3	0.144	1.275	-26.975	-891.905	1
49166_9166	49166	9166	35.12	-33.687	-1.724	2.14	1.114	-827.419	1
49166_9167	49166	9167	-61.92	28.688	2.097	-3.243	15.448	-1108.807	1
49167_9167	49167	9167	30.318	-37.236	-1.105	1.273	-20.605	-574.532	1
49167_9168	49167	9168	-62.171	33.927	2.644	-5.132	50.421	-1499.11	1
49168_9168	49168	9168	-59.021	-1.92	4.28	0.68	-124.61	-623.603	1
49168_9169	49168	9169	50.658	-20.273	0.056	2.536	-14.79	-518.038	1
49169_9169	49169	9169	-54.812	-5.015	4.316	-1.72	-80.686	-772.916	1
49169_9170	49169	9170	37.212	-2.623	-1.903	-2.206	33.874	-375.837	1
49170_9170	49170	9170	-51.481	-7.935	4.172	-1.233	-44.203	-877.761	1
49170_9171	49170	9171	37.214	-2.623	-1.855	-1.721	19.5	-355.51	1
49171_9171	49171	9171	-48.014	-10.334	0.412	0.274	-9.535	-968.883	1
49171_9172	49171	9172	39.523	-2.276	-0.929	-1.628	12.875	-337.114	1
49172_9172	49172	9172	-44.82	-13.786	0.308	0.972	-4.611	-1048.979	1
49172_9173	49172	9173	39.524	-2.276	-0.88	-1.207	5.839	-318.906	1
49173_9173	49173	9173	-42.055	-17.549	0.314	-0.978	-0.921	-1107.49	1
49173_9174	49173	9174	43.603	-2.098	-0.961	-1.691	-0.982	-300.953	1
49174_9174	49174	9174	-40.09	-19.432	0.063	1.004	2.134	-1146.469	1
49174_9175	49174	9175	43.603	-1.787	-0.719	-1.083	-5.298	-290.234	1
49175_9175	49175	9175	-39.08	-22.504	-0.012	2.548	2.635	-1169.882	1
49175_9176	49175	9176	46.42	-1.614	-0.647	-0.642	-8.794	-279.807	1
49176_9176	49176	9176	-38.556	-25.731	0.042	0.278	2.682	-1179.047	1
49176_9177	49176	9177	59.504	1.171	0.6	0.913	-3.986	-281.571	1
49177_9177	49177	9177	-41.776	-14.276	-0.032	-1.667	2.118	-1169.137	1
49177_9178	49177	9178	59.504	1.171	0.6	0.913	-0.383	-288.597	1
49178_9178	49178	9178	-43.671	-15.194	-0.295	1.593	1.651	-1145.842	1
49178_9179	49178	9179	55.637	1.626	0.898	1.681	6.206	-301.115	1
49179_9179	49179	9179	-46.791	-19.251	-0.306	-0.337	-1.852	-1106.644	1
49179_9180	49179	9180	55.547	1.629	0.828	1.302	12.809	-314.145	1
49180_9180	49180	9180	-50.657	-22.999	-0.417	0.408	-5.986	-1048.272	1
49180_9181	49180	9181	55.546	1.629	0.897	1.695	19.988	-327.175	1
49181_9181	49181	9181	-54.913	-25.643	-3.956	2.138	-11.396	-968.661	1
49181_9182	49181	9182	51.476	14.973	-0.659	-1.932	-24.72	-371.139	1
49182_9182	49182	9182	-59.367	-28.843	-4.093	1.53	-45.452	-878.165	1
49182_9183	49182	9183	44.819	20.289	-0.021	-2.497	-14.669	-506.191	1
49183_9183	49183	9183	-63.641	-31.744	-4.238	0.89	-80.76	-762.905	1
49183_9184	49183	9184	40.15	26.641	0.752	-2.457	9.178	-740.345	1
49184_9184	49184	9184	-12.783	-5.4	0.164	0.698	-6.318	-386.994	1
49184_9185	49184	9185	-45.987	-31.877	-2.264	4.728	13.334	-1067.831	1
49185_9185	49185	9185	19.66	2.216	1.055	-1.178	-20.954	-551.762	1
49185_9186	49185	9186	14.628	-7.644	0.549	-1.312	-28.444	-863.697	1
49186_9186	49186	9186	24.02	-0.978	-0.87	-0.95	0.563	-821.139	1
49186_9187	49186	9187	14.815	-7.278	-0.155	-0.984	-30.508	-767.139	1
49187_9187	49187	9187	28.658	-4.755	-1.141	-1.481	-6.455	-1071.684	1
49187_9188	49187	9188	14.91	-6.897	-0.152	-0.092	-32.443	-682.088	1
49188_9188	49188	9188	32.495	-6.701	-0.569	-1.247	-18.13	-1269.591	1
49188_9189	49188	9189	15.019	-6.494	0.093	-0.324	-31.666	-628.511	1
49189_9189	49189	9189	34.91	-9.562	-0.623	-0.792	-22.445	-1398.51	1
49189_9190	49189	9190	14.705	-6.36	0.109	0.39	-30.546	-538.477	1
49190_9190	49190	9190	38.121	-12.48	-0.087	-0.259	-31.745	-1581.987	1
49190_9191	49190	9191	14.706	-6.199	0.143	0.341	-28.974	-470.286	1
49191_9191	49191	9191	42.265	-0.553	-0.153	-2.623	-33.635	-1722.762	1
49191_9192	49191	9192	14.705	-6.199	0.156	0.769	-27.254	-402.095	1
49192_9192	49192	9192	42.541	-2.453	-0.106	0.117	-35.16	-1804.834	1
49192_9193	49192	9193	14.705	-6.105	0.164	1.059	-25.623	-341.35	1
49193_9193	49193	9193	42.441	-7.217	-0.179	-2.908	-36.249	-1861.892	1
49193_9194	49193	9194	12.174	6.621	-0.318	-1.294	-28.248	-324.433	1
49194_9194	49194	9194	42.017	-8.604	-0.145	1.651	-38.029	-1869.907	1
49194_9195	49194	9195	12.174	6.729	-0.297	-0.702	-31.199	-391.383	1
49195_9195	49195	9195	41.253	-13.28	-0.212	-1.358	-39.491	-1862.998	1
49195_9196	49195	9196	12.174	6.729	-0.309	-1.095	-34.268	-458.266	1
49196_9196	49196	9196	40.099	-14.625	-0.009	3.11	-41.369	-1812.68	1
49196_9197	49196	9197	12.636	6.907	-0.231	-0.241	-36.518	-534.23	1
49197_9197	49197	9197	38.417	-19.591	-0.071	0.268	-41.268	-1736.623	1
49197_9198	49197	9198	12.636	6.907	-0.243	-0.727	-39.19	-610.208	1
49198_9198	49198	9198	36.177	-21.505	0.875	3.659	-41.416	-1619.124	1
49198_9199	49198	9199	12.722	7.173	-0.054	0.211	-39.856	-708.88	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49199_9199	49199	9199	32.924	-26.765	0.733	1.529	-29.66	-1458.425	1
49199_9200	49199	9200	12.662	7.279	-0.063	0.015	-40.379	-771.96	1
49200_9200	49200	9200	30.954	-27.65	1.127	3.801	-24.292	-1334.016	1
49200_9201	49200	9201	12.539	7.645	0.171	0.697	-38.358	-861.823	1
49201_9201	49201	9201	28.088	-31.187	1.002	3.026	-13.801	-1153.944	1
49201_9202	49201	9202	12.69	7.984	0.179	1.644	-35.344	-971.591	1
49202_9202	49202	9202	24.611	-34.623	-1.796	2.763	-7.041	-903.177	1
49202_9203	49202	9203	-44.886	31.148	2.458	-5.596	32.247	-1092.171	1
49203_9203	49203	9203	21.568	-38.098	-1.118	2.688	-27.565	-636.43	1
49203_9204	49203	9204	-45.423	36.904	2.911	-6.336	70.801	-1518.106	1
49204_9204	49204	9204	-69.344	-3.883	4.656	1.12	-146.775	-714.498	1
49204_9205	49204	9205	53.762	-19.126	0.839	3.203	-36.632	-563.687	1
49205_9205	49205	9205	-64.309	-6.777	4.647	-1.82	-97.107	-850.816	1
49205_9206	49205	9206	60.698	-14.732	1.45	1.81	-42.335	-418.64	1
49206_9206	49206	9206	-60.299	-9.497	4.527	-2.523	-56.541	-941.054	1
49206_9207	49206	9207	52.679	-0.595	-2.617	-2.611	35.022	-338.14	1
49207_9207	49207	9207	-56.156	-11.816	0.774	2.357	-17.949	-1019.71	1
49207_9208	49207	9208	55.034	-0.235	-1.36	-1.777	25.131	-336.091	1
49208_9208	49208	9208	-52.263	-15.039	0.766	0.561	-9.041	-1087.73	1
49208_9209	49208	9209	55.135	-0.23	-1.43	-2.199	13.726	-334.211	1
49209_9209	49209	9209	-48.803	-18.553	0.746	-1.436	-0.908	-1137.337	1
49209_9210	49209	9210	59.217	-0.018	-1.548	-2.727	2.296	-333.362	1
49210_9210	49210	9210	-46.121	-20.22	-0.037	4.241	6.022	-1170.42	1
49210_9211	49210	9211	59.213	0.381	-0.985	-0.789	-3.615	-335.635	1
49211_9211	49211	9211	-42.577	-7.483	-0.101	0.567	6.094	-1195.444	1
49211_9212	49211	9212	62.063	0.577	-1.087	-1.406	-9.757	-338.854	1
49212_9212	49212	9212	-43.045	-10.561	-0.049	-1.814	4.987	-1209.872	1
49212_9213	49212	9213	65.336	0.859	-1.196	-2.04	-16.495	-342.821	1
49213_9213	49213	9213	-43.879	-13.575	0.005	-4.094	3.969	-1206.372	1
49213_9214	49213	9214	68.364	1.177	-1.31	-2.673	-23.925	-348.252	1
49214_9214	49214	9214	-45.164	-14.306	-0.756	3.639	3.125	-1190.955	1
49214_9215	49214	9215	71.598	1.931	-1.421	-0.464	-34.735	-361.265	1
49215_9215	49215	9215	-47.443	-18.081	-0.748	0.286	-5.327	-1165.84	1
49215_9216	49215	9216	76.543	3.013	-1.601	-1.5	-46.194	-379.297	1
49216_9216	49216	9216	-50.426	-21.575	-0.7	-2.951	-14.521	-1124.715	1
49216_9217	49216	9217	79.918	5.033	-1.738	-2.631	-56.883	-408.571	1
49217_9217	49217	9217	-53.816	-23.754	-4.207	5.143	-23.803	-1065.766	1
49217_9218	49217	9218	70.175	12.266	-1.314	-0.172	-51.33	-471.937	1
49218_9218	49218	9218	-57.388	-26.711	-4.117	0.978	-61.316	-999.517	1
49218_9219	49218	9219	59.336	17.433	-0.812	-2.685	-41.377	-588.451	1
49219_9219	49219	9219	-60.775	-29.42	-4.154	-0.86	-98.094	-908.061	1
49219_9220	49219	9220	48.808	24.729	0.222	-3.692	-10.584	-798.859	1
49220_9220	49220	9220	10.804	3.504	0.37	-0.229	-33.744	-489.249	1
49220_9221	49220	9221	4.037	-11.2	0.319	-0.372	-60.86	-1336.907	1
49221_9221	49221	9221	13.686	-0.033	0.781	-2.43	-32.373	-800.311	1
49221_9222	49221	9222	4.326	-11.092	0.303	-3.036	-56.736	-1197.835	1
49222_9222	49222	9222	16.918	-3.535	-0.497	1.273	-18.252	-1076.163	1
49222_9223	49222	9223	4.398	-10.619	0.154	1.19	-55.274	-1057.15	1
49223_9223	49223	9223	20.588	-7.84	-0.836	-4.799	-22.536	-1321.844	1
49223_9224	49223	9224	4.664	-10.505	0.13	-2.639	-53.571	-932.165	1
49224_9224	49224	9224	23.799	-10.215	-0.314	2.61	-31.796	-1503.309	1
49224_9225	49224	9225	4.842	-9.987	0.373	1.809	-50.558	-849.884	1
49225_9225	49225	9225	25.862	-13.644	-0.437	-2.743	-34.653	-1619.47	1
49225_9226	49225	9226	4.926	-9.946	0.356	-0.628	-45.383	-705.845	1
49226_9226	49226	9226	32.009	-0.372	0.124	1.7	-42.929	-1774.372	1
49226_9227	49226	9227	4.572	-9.589	0.382	1.614	-41.253	-596.888	1
49227_9227	49227	9227	32.74	-5.85	0.053	-4.016	-41.439	-1860.298	1
49227_9228	49227	9228	4.447	-9.585	0.372	0.04	-37.077	-487.841	1
49228_9228	49228	9228	32.952	-8.362	0.152	3.049	-40.172	-1880.56	1
49228_9229	49228	9229	9.447	8.989	-0.076	-0.003	-30.572	-537.385	1
49229_9229	49229	9229	32.647	-13.733	0.087	-2.673	-37.986	-1869.307	1
49229_9230	49229	9230	9.447	8.989	-0.101	-1.419	-31.721	-639.56	1
49230_9230	49230	9230	31.713	-16.226	0.402	4.712	-35.859	-1801.722	1
49230_9231	49230	9231	9.446	9.441	-0.155	1.192	-33.587	-753.202	1
49231_9231	49231	9231	30.074	-21.439	0.276	-0.013	-30.831	-1704.111	1
49231_9232	49231	9232	9.446	9.441	-0.177	-0.546	-35.174	-837.951	1
49232_9232	49232	9232	28.501	-24.914	0.145	-6.272	-28.169	-1601.011	1
49232_9233	49232	9233	9.408	9.478	-0.212	-3.551	-35.842	-867.314	1
49233_9233	49233	9233	28.098	-23.889	1.432	5.491	-27.676	-1558.681	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49233_9234	49233	9234	10.087	10.168	0.172	2.692	-33.575	-964.119	1
49234_9234	49234	9234	26.331	-27.154	1.233	1.337	-15.841	-1431.209	1
49234_9235	49234	9235	9.948	10.304	0.145	0.607	-32.537	-1040.268	1
49235_9235	49235	9235	24.943	-29.432	1.049	-2.413	-9.08	-1327.262	1
49235_9236	49235	9236	9.793	10.452	0.114	-1.975	-31.944	-1109.5	1
49236_9236	49236	9236	23.755	-30.582	1.633	3.192	-4.983	-1219.338	1
49236_9237	49236	9237	9.613	10.842	1.097	3.211	-20.878	-1216.357	1
49237_9237	49237	9237	21.74	-33.489	1.723	-1.631	7.646	-1035.884	1
49237_9238	49237	9238	9.415	11.018	1.058	-1.115	-11.268	-1319.518	1
49238_9238	49238	9238	19.683	-32.167	-3.636	7.114	22.759	-843.317	1
49238_9239	49238	9239	9.329	13.039	-1.474	5.82	-23.642	-1436.244	1
49239_9239	49239	9239	17.768	-34.86	-3.206	4.895	-8.327	-668.623	1
49239_9240	49239	9240	9.155	13.16	-1.496	3.226	-29.762	-1488.031	1
49240_9240	49240	9240	-74.553	-14.06	-2.526	-14.013	-80.383	-982.805	1
49240_9241	49240	9241	68.772	-18.679	-1.304	-1.74	-45.31	-696.258	1
49241_9241	49241	9241	-71.93	-9.761	2.21	4.931	-93.527	-996.541	1
49241_9242	49241	9242	69.906	-16.66	1.75	4.616	-42.982	-642.32	1
49242_9242	49242	9242	-70.498	-10.797	2.273	2.767	-85.085	-1026.756	1
49242_9243	49242	9243	79.279	-9.655	2.039	3.039	-44.791	-473.995	1
49243_9243	49243	9243	-64.983	-15.246	2.11	-0.895	-54.269	-1113.216	1
49243_9244	49243	9244	75.83	-6.815	1.866	1.55	-34.038	-403.136	1
49244_9244	49244	9244	-61.16	-14.662	2.375	3.562	-35.451	-1146.957	1
49244_9245	49244	9245	66.745	-3.998	1.422	2.851	-21.528	-350.694	1
49245_9245	49245	9245	-57.414	-18.711	2.688	-0.28	-8.891	-1210.88	1
49245_9246	49245	9246	62.48	-3.398	1.231	1.75	-10.575	-316.555	1
49246_9246	49246	9246	-54.9	-21.39	-0.265	3.096	17.569	-1245.003	1
49246_9247	49246	9247	66.092	2.984	-0.545	-1.667	-1.716	-313.335	1
49247_9247	49247	9247	-53.49	-9.377	0.028	-3.253	15.214	-1272.993	1
49247_9248	49247	9248	69.749	3.413	-0.769	-2.828	-8.253	-342.867	1
49248_9248	49248	9248	-54.993	-12.07	-0.789	1.69	14.53	-1272.724	1
49248_9249	49248	9249	75.754	4.723	-1.25	-1.495	-19.393	-382.555	1
49249_9249	49249	9249	-57.394	-16.203	-0.703	-1.956	4.539	-1256.084	1
49249_9250	49249	9250	79.174	5.583	-1.433	-2.552	-33.375	-434.704	1
49250_9250	49250	9250	-60.805	-18.878	-3.933	1.47	-5.944	-1215.551	1
49250_9251	49250	9251	83.124	8.579	-2.409	-1.164	-54.604	-505.864	1
49251_9251	49251	9251	-64.663	-22.537	-3.861	-1.91	-49.703	-1165.895	1
49251_9252	49251	9252	77.248	13.596	-1.959	-2.783	-61.2	-610.03	1
49252_9252	49252	9252	-68.703	-22.415	3.458	16.374	-91.436	-1091.917	1
49252_9253	49252	9253	74.58	15.1	2.069	7.736	-49.112	-656.412	1
49253_9253	49253	9253	-69.975	-23.52	3.64	14.391	-81.452	-1072.829	1
49253_9254	49253	9254	64.828	19.779	1.138	2.803	-17.237	-821.764	1
49254_9254	49254	9254	9.877	-3.863	7.774	-15.263	-22.327	-651.223	1
49254_9255	49254	9255	6.838	-16.681	5.868	-15.5	31.666	-1393.764	1
49255_9255	49255	9255	13.171	-1.293	-4.634	1.989	71.13	-856.089	1
49255_9256	49255	9256	7.668	-11.698	-3.324	1.205	-5.471	-1268.75	1
49256_9256	49256	9256	15.72	-4.538	-4.793	-2.664	21.617	-1068.808	1
49256_9257	49256	9257	7.897	-11.536	-3.354	-3.161	-42.093	-1141.848	1
49257_9257	49257	9257	18.63	-5.572	0.628	2.361	-31.977	-1255.031	1
49257_9258	49257	9258	8.068	-10.875	-0.021	1.591	-42.404	-1089.611	1
49258_9258	49258	9258	19.962	-6.864	0.612	0.272	-29.054	-1329.454	1
49258_9259	49258	9259	8.24	-10.745	-0.035	0.464	-42.683	-977.587	1
49259_9259	49259	9259	22.685	-10.171	0.597	-3.856	-22.74	-1485.785	1
49259_9260	49259	9260	8.382	-10.634	-0.058	-1.554	-43.03	-906.053	1
49260_9260	49260	9260	24.497	-11.066	-0.193	6.428	-18.653	-1574.809	1
49260_9261	49260	9261	8.466	-10.145	0.395	3.932	-41.81	-873.936	1
49261_9261	49261	9261	25.337	-12.164	-0.275	1.455	-19.319	-1621.024	1
49261_9262	49261	9262	8.508	-10.112	0.368	1.361	-37.575	-758.897	1
49262_9262	49262	9262	28.115	-16.743	-0.349	-4.458	-23.105	-1749.92	1
49262_9263	49262	9263	8.414	-10.108	0.344	-1.031	-34.293	-659.087	1
49263_9263	49263	9263	34.392	-1.684	-0.149	1.486	-29.794	-1829.105	1
49263_9264	49263	9264	8.413	-9.707	0.184	1.571	-32.133	-545.138	1
49264_9264	49264	9264	35.722	-7.154	-0.131	-2.705	-32.33	-1898.255	1
49264_9265	49264	9265	20.703	10.244	-0.056	-1.26	-26.731	-519.059	1
49265_9265	49265	9265	36.471	-9.943	0.04	2.762	-33.511	-1901.391	1
49265_9266	49265	9266	20.705	10.561	-0.018	0.161	-26.948	-643.391	1
49266_9266	49266	9266	36.491	-15.21	0.023	-1.172	-32.705	-1877.793	1
49266_9267	49266	9267	20.705	10.561	-0.054	-0.935	-27.555	-762.673	1
49267_9267	49267	9267	35.82	-17.908	0.806	4.123	-31.29	-1799.527	1
49267_9268	49267	9268	20.713	11.013	0.143	1.294	-26.596	-836.466	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49268_9268	49268	9268	35.084	-20.678	0.75	2.724	-25.841	-1744.842	1
49268_9269	49268	9269	20.713	11.013	0.132	0.823	-25.709	-910.573	1
49269_9269	49269	9269	34.298	-23.031	0.652	-0.124	-21.084	-1674.49	1
49269_9270	49269	9270	20.609	11.206	0.099	-0.377	-24.76	-1019.379	1
49270_9270	49270	9270	32.863	-24.681	1.135	4.887	-15.832	-1552.786	1
49270_9271	49270	9271	20.726	12.005	0.326	3.065	-20.939	-1144.118	1
49271_9271	49271	9271	30.956	-27.875	0.954	2.056	-7.678	-1414.774	1
49271_9272	49271	9272	20.51	12.371	0.289	1.491	-18.611	-1249.559	1
49272_9272	49272	9272	29.185	-30.326	0.769	-1.368	-4.084	-1279.322	1
49272_9273	49272	9273	20.36	12.617	0.239	-1.224	-17.522	-1314.623	1
49273_9273	49273	9273	28.206	-31.329	-0.99	3.792	-2.549	-1185.573	1
49273_9274	49273	9274	20.114	13.044	-0.979	4.647	-28.813	-1470.349	1
49274_9274	49274	9274	25.552	-34.514	-0.487	-0.084	-13.748	-948.791	1
49274_9275	49274	9275	19.777	13.542	-1.058	-0.108	-43.097	-1648.003	1
49275_9275	49275	9275	-69.594	-8.616	3.325	0.363	-123.451	-1016.267	1
49275_9276	49275	9276	75.696	-16.363	2.083	2.205	-67.058	-744.445	1
49276_9276	49276	9276	-67.515	-10.206	3.295	-1.022	-103.386	-1051.523	1
49276_9277	49276	9277	81.349	-14.244	2.301	1.074	-66.172	-674.495	1
49277_9277	49277	9277	-65.524	-11.838	3.277	-3.299	-84.503	-1091.506	1
49277_9278	49277	9278	92.057	-9.916	2.674	-0.769	-56.374	-553.516	1
49278_9278	49278	9278	-61.882	-13.351	1.035	3.87	-48.93	-1139.503	1
49278_9279	49278	9279	92.368	-6.409	1.531	3.199	-43.15	-462.427	1
49279_9279	49279	9279	-57.596	-17.6	1.104	-1.615	-31.911	-1186.955	1
49279_9280	49279	9280	88.047	-5.006	1.093	1.031	-29.99	-395.357	1
49280_9280	49280	9280	-54.179	-19.294	-0.365	4.124	-15.413	-1203.709	1
49280_9281	49280	9281	82.112	-3.858	0.362	2.959	-25.02	-343.977	1
49281_9281	49281	9281	-52.255	-24.326	-0.283	-1.143	-17.156	-1223.938	1
49281_9282	49281	9282	75.972	-3.071	0.018	1.398	-24.079	-302.388	1
49282_9282	49282	9282	-51.853	-27.692	0.614	2.976	-18.812	-1179.178	1
49282_9283	49282	9283	71.355	5.222	-1.088	-0.598	6.646	-345.869	1
49283_9283	49283	9283	-60.031	-16.21	0.149	-3.583	-8.85	-1143.472	1
49283_9284	49283	9284	76.817	7.15	-1.499	-2.429	-9.08	-415.76	1
49284_9284	49284	9284	-65.403	-17.322	-3.314	1.604	-8.514	-1097.803	1
49284_9285	49284	9285	77.929	10.997	-4.385	-0.566	-52.487	-510.629	1
49285_9285	49285	9285	-70.775	-21.093	-3.575	-1.876	-48.085	-1069.637	1
49285_9286	49285	9286	70.186	15.548	-3.804	-2.296	-78.176	-635.331	1
49286_9286	49286	9286	-75.827	-21.252	3.812	6.097	-89.602	-1024.377	1
49286_9287	49286	9287	67.538	17.898	2.777	1.81	-61.277	-705.589	1
49287_9287	49287	9287	-78.041	-22.547	3.889	6.681	-77.03	-1007.912	1
49287_9288	49287	9288	59.94	21.697	2.012	0.838	-25.518	-897.096	1
49288_9288	49288	9288	2.682	-2.585	6.532	-9.158	-11.993	-625.562	1
49288_9289	49288	9289	-0.42	-15.407	5.846	-9.124	33.947	-1436.743	1
49289_9289	49289	9289	3.161	0.577	-3.876	1.502	57.787	-849.718	1
49289_9290	49289	9290	0.141	-9.324	-3.57	1.237	-9.559	-1326.31	1
49290_9290	49290	9290	3.531	-2.845	-3.944	-1.849	10.606	-1146.111	1
49290_9291	49290	9291	0.384	-9.316	-3.572	-1.872	-50.798	-1218.288	1
49291_9291	49291	9291	5.589	16.068	0.289	2.848	-36.488	-1430.113	1
49291_9292	49291	9292	0.693	-8.082	0.816	2.814	-47.536	-1184.958	1
49292_9292	49292	9292	5.471	14.687	0.221	-0.776	-35.403	-1535.419	1
49292_9293	49292	9293	0.703	-8.05	0.825	0.279	-41.326	-1120.227	1
49293_9293	49293	9293	5.563	11.838	0.132	-4.109	-34.649	-1733.506	1
49293_9294	49293	9294	0.791	-8.041	0.823	-1.56	-34.75	-1056.022	1
49294_9294	49294	9294	5.799	13.1	0.872	6.02	-34.77	-1916.219	1
49294_9295	49294	9295	0.78	-6.936	0.322	3.91	-33.46	-1028.379	1
49295_9295	49295	9295	5.904	11.607	0.884	-0.571	-31.881	-2016.213	1
49295_9296	49295	9296	0.781	-6.936	0.319	0.537	-30.209	-957.943	1
49296_9296	49296	9296	6.132	7.731	0.919	-6.04	-23.673	-2247.437	1
49296_9297	49296	9297	0.782	-6.936	0.317	-1.697	-27.587	-900.633	1
49297_9297	49297	9297	6.268	7.796	0.141	3.241	-16.334	-2406.667	1
49297_9298	49297	9298	0.78	-6.338	0.202	1.845	-25.269	-827.932	1
49298_9298	49298	9298	6.441	3.309	0.194	-5.947	-14.899	-2614.174	1
49298_9299	49298	9299	0.781	-6.338	0.199	-0.972	-23.144	-760.245	1
49299_9299	49299	9299	6.553	2.892	0.176	4.689	-12.26	-2751.356	1
49299_9300	49299	9300	0.782	-5.853	0.246	1.901	-20.482	-697.146	1
49300_9300	49300	9300	6.614	-1.441	0.203	-4.865	-9.941	-2873.534	1
49300_9301	49300	9301	0.783	-5.853	0.244	-0.351	-17.358	-622.195	1
49301_9301	49301	9301	6.603	-2.693	0.241	6.379	-6.331	-2939.105	1
49301_9302	49301	9302	0.785	-5.504	0.281	1.922	-14.032	-557.022	1
49302_9302	49302	9302	6.621	-25.576	0.206	-4.71	-4.505	-2993.129	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49302_9303	49302	9303	0.757	-5.501	0.278	-0.251	-10.783	-492.335	1
49303_9303	49303	9303	6.606	-26.47	0.14	6.598	-0.483	-2983.847	1
49303_9304	49303	9304	0.758	-5.273	0.264	1.601	-7.47	-426.174	1
49304_9304	49304	9304	6.492	-31.672	0.17	-3.224	2.607	-2933.575	1
49304_9305	49304	9305	0.651	-5.265	0.263	0.17	-4.581	-367.991	1
49305_9305	49305	9305	6.285	-33.041	-0.038	8.73	5.6	-2807.903	1
49305_9306	49305	9306	0.648	-5.207	0.116	1.687	-3.3	-310.506	1
49306_9306	49306	9306	5.971	-37.955	-0.01	-2.012	5.937	-2636.986	1
49306_9307	49306	9307	0.632	-5.205	0.114	0.423	-1.873	-245.168	1
49307_9307	49307	9307	5.449	-41.19	-0.397	6.392	6.717	-2333.84	1
49307_9308	49307	9308	0.44	-5.265	-0.381	1.266	-6.356	-182.55	1
49308_9308	49308	9308	5.166	-53.031	-0.352	1.204	2.481	-1965.114	1
49308_9309	49308	9309	0.35	-5.252	-0.385	0.791	-10.859	-120.952	1
49309_9309	49309	9309	4.41	-57.387	-0.718	5.522	0.337	-1505.977	1
49309_9310	49309	9310	-0.436	-5.098	-0.985	0.956	-22.624	-58.537	1
49310_9310	49310	9310	3.435	-63.685	-0.607	1.773	-5.68	-923.207	1
49310_9311	49310	9311	-4.166	5.51	0.46	-0.968	18.555	-19.367	1
49311_9311	49311	9311	2.292	-70.384	2.472	1.82	-8.201	-212.986	1
49311_9312	49311	9312	-6.795	27.451	-9.032	0.435	0	-62.385	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
1000_1000	1000	1000	1.299	0.69	-0.2685	0.2925	0	4.833	1
1000_1001	1000	1001	0.7995	0.1605	-0.1335	0.156	-2.28	1.9245	1
1001_1001	1001	1001	0.825	-2.3235	0.2685	-0.2385	4.575	16.8975	1
1001_1002	1001	1002	0.801	-0.144	-0.0645	0.0705	-1.818	4.3125	1
9000_9000	9000	9000	5.7555	37.041	-0.834	-1.5645	0	21.354	1
9000_9001	9000	9001	58.4325	-92.862	0.183	1.026	1.5135	481.983	1
9001_9001	9001	9001	4.5345	-7.3935	1.2435	0.3255	10.317	36.1125	1
9001_9002	9001	9002	112.932	-85.6365	0.27	1.455	4.6455	925.524	1
9002_9002	9002	9002	10.218	-8.034	-0.6105	0.297	21.1995	86.5455	1
9002_9003	9002	9003	173.586	-77.7465	-0.336	1.11	2.8395	1419.092	1
9003_9003	9003	9003	17.988	-8.232	-0.5835	0.369	13.5435	150.702	1
9003_9004	9003	9004	219.6735	-60.6945	-0.372	1.7955	-1.0245	1792.743	1
9004_9004	9004	9004	25.8375	-8.565	0.003	0.3	6.4605	214.98	1
9004_9005	9004	9005	257.9535	-56.2995	-0.0555	0.7185	-0.678	2104.391	1
9005_9005	9005	9005	33.987	-8.565	0.0045	0.4155	6.501	280.797	1
9005_9006	9005	9006	283.452	-48.3075	-0.0885	1.7415	-0.8745	2312.172	1
9006_9006	9006	9006	42.141	-8.5275	0.1125	0.2835	6.5475	346.656	1
9006_9007	9006	9007	302.2245	-45.714	0.0525	0.546	0.741	2465.046	1
9007_9007	9007	9007	50.2575	-8.5275	0.1125	0.363	7.905	412.212	1
9007_9008	9007	9008	310.266	-38.367	0.0285	1.1625	2.031	2530.739	1
9008_9008	9008	9008	58.374	-8.688	0.1185	0.2775	9.264	477.7575	1
9008_9009	9008	9009	314.3055	-37.047	0.0735	0.4455	3.993	2563.671	1
9009_9009	9009	9009	66.654	-8.7015	0.117	0.264	10.6335	544.9095	1
9009_9010	9009	9010	309.1305	-30.1215	0.048	0.543	5.553	2521.787	1
9010_9010	9010	9010	74.934	-8.973	0.1215	0.0675	12.0555	611.7795	1
9010_9011	9010	9011	304.1055	-3.861	0.1455	-0.7875	6.6735	2481.281	1
9011_9011	9011	9011	83.478	-8.973	0.123	0.33	13.5315	680.775	1
9011_9012	9011	9012	291.003	3.243	0.1185	0.348	8.6325	2375.351	1
9012_9012	9012	9012	92.019	-9.3345	0.108	-0.0525	15.0135	749.757	1
9012_9013	9012	9013	275.004	4.6035	0.207	-1.0335	11.6865	2245.671	1
9013_9013	9013	9013	100.9035	-9.3345	0.1095	0.2655	16.323	821.5095	1
9013_9014	9013	9014	251.2575	11.49	0.1695	0.0195	13.905	2053.124	1
9014_9014	9014	9014	109.785	-9.747	0.0855	-0.0735	17.637	893.247	1
9014_9015	9014	9015	216.1065	15.5805	-0.066	-0.906	12.7065	1767.824	1
9015_9015	9015	9015	133.5465	-9.363	0.0585	0.0405	12.75	1007.34	1
9015_9016	9015	9016	207.192	20.3955	-0.048	-0.105	8.0325	1619.595	1
9016_9016	9016	9016	137.2845	-9.2205	-0.018	-0.2565	13.086	1063.431	1
9016_9017	9016	9017	156.444	23.8365	-0.2835	-0.6015	4.6545	1369.683	1
9017_9017	9017	9017	133.0785	-8.9055	-0.018	-0.177	12.8925	1162.556	1
9017_9018	9017	9018	99.387	1.539	-0.1545	-0.069	3.318	1080.473	1
9018_9018	9018	9018	119.919	-9.0555	0.1095	-0.468	12.6405	1282.712	1
9018_9019	9018	9019	55.9815	5.5425	0.195	-0.351	6.7215	784.1415	1
9019_9019	9019	9019	103.854	-9.2475	0.111	-0.4455	14.0565	1407.807	1
9019_9020	9019	9020	31.713	-2.8905	0.003	-0.15	6.324	550.8735	1
9020_9020	9020	9020	57.78	38.358	0.084	-0.4065	1.3635	745.647	1
9020_9021	9020	9021	180.0495	-31.0275	-1.0335	-0.2235	24.696	770.349	1
9021_9021	9021	9021	33.8685	30.834	-0.057	-0.1455	5.334	529.4055	1
9021_9022	9021	9022	184.0395	-27.5865	-0.816	0.1725	11.949	818.703	1
9022_9022	9022	9022	12.768	27.228	-0.1365	-0.162	6.2715	404.28	1
9022_9023	9022	9023	186.3375	-33.2385	-0.747	0.177	4.338	906.816	1
9023_9023	9023	9023	3.738	0.6675	-0.099	-0.0435	5.409	137.3685	1
9023_9024	9023	9024	188.2125	-30.1695	-0.108	-0.075	2.748	957.0015	1
9024_9024	9024	9024	3.2535	0.6675	-0.099	-0.0435	4.6155	133.9665	1
9024_9025	9024	9025	188.4615	-25.3305	-0.0915	-0.03	1.395	992.0505	1
9025_9025	9025	9025	2.769	0.6675	-0.096	-0.0285	3.8235	130.566	1
9025_9026	9025	9026	187.716	-20.061	-0.0795	0.1395	0.2745	1013.922	1
9026_9026	9026	9026	2.9205	-1.0395	0.024	0.0495	-1.6845	-78.054	1
9026_9027	9026	9027	187.2555	-19.0455	-0.018	-0.2475	-0.0285	1027.407	1
9027_9027	9027	9027	3.489	-1.0575	0.021	0.036	-1.581	-76.0155	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9027_9028	9027	9028	185.9325	-14.8305	-0.0225	-0.024	-0.327	1031.027	1
9028_9028	9028	9028	4.074	-1.0815	0.024	0.039	-1.503	-74.691	1
9028_9029	9028	9029	182.7885	-10.533	-0.015	-0.0075	-0.5205	1018.809	1
9029_9029	9029	9029	4.6725	-1.134	0.027	0.0405	-1.4445	-76.1835	1
9029_9030	9029	9030	180.243	-28.071	0.027	0.168	-0.42	1002.195	1
9030_9030	9030	9030	5.289	-1.0995	0.03	0.0525	-1.278	-71.8485	1
9030_9031	9030	9031	178.5315	-25.8315	0.093	-0.0495	0.4485	976.875	1
9031_9031	9031	9031	6.108	-1.1355	0.0345	0.0555	-1.05	-70.4625	1
9031_9032	9031	9032	175.7145	-20.9745	0.111	-0.0015	1.629	937.7385	1
9032_9032	9032	9032	6.9435	-1.167	0.033	0.048	-0.7635	-68.4975	1
9032_9033	9032	9033	171.246	-16.53	0.117	0.1635	2.997	883.221	1
9033_9033	9033	9033	7.797	-1.2555	0.099	0.057	-0.4605	-65.1915	1
9033_9034	9033	9034	166.2345	-13.731	0.789	-0.186	9.711	822.441	1
9034_9034	9034	9034	8.685	-1.272	0.102	0.057	0.351	-60.8625	1
9034_9035	9034	9035	160.0215	-10.017	0.8115	-0.1425	16.7955	752.7855	1
9035_9035	9035	9035	17.9355	-37.38	-0.045	0.432	2.226	500.5215	1
9035_9036	9035	9036	150.888	-16.629	1.0605	0.3045	33.939	650.277	1
9036_9036	9036	9036	128.844	52.2915	0.552	-1.2885	-13.1475	1467.366	1
9036_9037	9036	9037	35.541	9.2265	-0.045	-0.225	0.267	354.1755	1
9037_9037	9037	9037	117.2595	46.386	0.4635	-0.558	-6.0645	1027.943	1
9037_9038	9037	9038	59.7345	-49.2015	-0.2865	0.465	1.404	955.7385	1
9038_9038	9038	9038	99.5415	40.617	-0.171	-0.7425	-0.9315	667.374	1
9038_9039	9038	9039	102.8505	-44.397	0.2055	0.2145	3.018	1176.098	1
9039_9039	9039	9039	86.6955	12.0495	0.042	0.225	7.77	978.816	1
9039_9040	9039	9040	139.509	-39.123	0.246	0.4905	5.3895	1331.541	1
9040_9040	9040	9040	85.635	11.2275	0.027	0.0855	8.2755	869.712	1
9040_9041	9040	9041	158.718	-38.0175	0.1605	0.2625	6.6945	1447.598	1
9041_9041	9041	9041	92.9295	10.9935	0.012	0.0075	4.065	742.929	1
9041_9042	9041	9042	205.3065	-29.523	0.087	0.225	4.563	1504.692	1
9042_9042	9042	9042	76.851	10.4085	-0.027	-0.0525	4.2735	640.902	1
9042_9043	9042	9043	223.4985	-51.375	-0.0135	0.1845	4.6005	1623.834	1
9043_9043	9043	9043	64.884	10.4085	-0.0255	-0.0135	3.9495	565.0935	1
9043_9044	9043	9044	236.7795	-44.0385	-0.012	0.3615	4.464	1702.874	1
9044_9044	9044	9044	52.926	10.059	-0.0195	-0.081	3.6495	489.3555	1
9044_9045	9044	9045	248.277	-42.135	-0.0045	0.0765	4.4175	1768.664	1
9045_9045	9045	9045	41.3625	10.059	-0.018	-0.0495	3.4155	416.1105	1
9045_9046	9045	9046	250.977	-34.788	-0.0015	0.276	4.374	1777.22	1
9046_9046	9046	9046	52.0065	-10.224	0.03	0.0435	3.462	360.6165	1
9046_9047	9046	9047	251.7525	-33.0975	0.0075	-0.0345	4.4505	1772.388	1
9047_9047	9047	9047	63.7935	-10.3365	0.0315	0.078	3.8415	438.546	1
9047_9048	9047	9048	244.341	-25.9725	0.009	0.165	4.5075	1714.434	1
9048_9048	9048	9048	75.6765	-10.596	0.036	0.0075	4.2075	513.966	1
9048_9049	9048	9049	234.8385	-24.207	0.024	-0.1305	4.7565	1642.154	1
9049_9049	9049	9049	87.852	-10.596	0.036	0.0525	4.6305	591.0885	1
9049_9050	9049	9050	219.1005	-17.526	0.024	0.06	4.926	1528.766	1
9050_9050	9050	9050	100.131	-11.109	0.0075	-0.0285	5.0445	672.378	1
9050_9051	9050	9051	196.617	-14.7075	-0.072	-0.1575	3.6165	1366.883	1
9051_9051	9051	9051	110.91	-10.917	0.0105	-0.0135	5.907	802.809	1
9051_9052	9051	9052	167.2725	-9.4185	-0.0735	-0.048	3.4605	1304.942	1
9052_9052	9052	9052	116.6715	-10.824	0.003	-0.099	5.9895	864.222	1
9052_9053	9052	9053	131.4705	-6.486	-0.1125	-0.2325	2.16	1148.582	1
9053_9053	9053	9053	105.993	-11.0205	0.0045	-0.381	8.208	1022.631	1
9053_9054	9053	9054	76.0125	-1.146	-0.114	-0.285	1.7955	993.849	1
9054_9054	9054	9054	97.746	-11.337	0.093	-0.438	8.2755	1155.449	1
9054_9055	9054	9055	52.0305	-7.1475	0.0165	0.153	-1.5255	312.441	1
9055_9055	9055	9055	108.9285	-38.8035	-0.3345	1.1625	-5.2425	954.579	1
9055_9056	9055	9056	51.789	-6.1245	0.0135	0.2565	-1.35	380.727	1
9056_9056	9056	9056	40.1295	38.3385	0.0675	-0.6285	0.5685	680.4795	1
9056_9057	9056	9057	173.922	-40.6365	-0.708	-0.231	15.378	845.181	1
9057_9057	9057	9057	13.5015	31.0875	-0.0375	-0.4275	3.816	498.174	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9057_9058	9057	9058	179.6355	-36.786	-0.6315	0.2025	8.0055	928.734	1
9058_9058	9058	9058	11.766	-0.465	0.081	0.2295	-2.448	137.85	1
9058_9059	9058	9059	183.8205	-32.5995	-0.615	0.519	2.481	996.9105	1
9059_9059	9059	9059	12.069	-0.4335	0.084	0.141	-1.815	140.247	1
9059_9060	9059	9060	187.1985	-29.5545	-0.063	-0.2805	1.4715	1056.981	1
9060_9060	9060	9060	12.3615	-0.4425	0.078	0.162	-0.9885	130.5195	1
9060_9061	9060	9061	188.8335	-24.678	-0.063	0.099	0.5475	1099.703	1
9061_9061	9061	9061	12.657	-0.4425	0.078	0.162	-0.366	132.87	1
9061_9062	9061	9062	189.2175	-19.398	-0.0495	0.2025	-0.1635	1126.31	1
9062_9062	9062	9062	12.9555	-0.54	0.075	0.126	0.258	135.2175	1
9062_9063	9062	9063	189.624	-18.6315	-0.012	-0.189	-0.3495	1143.605	1
9063_9063	9063	9063	13.2255	-0.54	0.075	0.0795	0.711	137.3745	1
9063_9064	9063	9064	188.9985	-14.49	0.003	-0.54	-0.423	1148.979	1
9064_9064	9064	9064	13.5	-0.54	0.0765	0.1695	1.158	139.5255	1
9064_9065	9064	9065	187.641	-32.331	0.009	0.564	-0.4665	1142.336	1
9065_9065	9065	9065	13.77	-0.54	0.075	0.1275	1.6155	141.6795	1
9065_9066	9065	9066	186.4995	-28.386	0.021	0.288	-0.3015	1123.83	1
9066_9066	9066	9066	14.043	-0.624	0.0885	0.0915	2.163	155.8785	1
9066_9067	9066	9067	185.184	-26.322	0.066	-0.1905	0.369	1095.722	1
9067_9067	9067	9067	14.463	-0.624	0.09	0.129	2.8725	159.1995	1
9067_9068	9067	9068	182.7735	-21.4695	0.0675	0.174	1.1835	1052.21	1
9068_9068	9068	9068	14.8815	-0.624	0.09	0.129	3.588	162.519	1
9068_9069	9068	9069	178.7025	-17.0145	0.0765	0.264	2.1555	991.578	1
9069_9069	9069	9069	15.3015	-0.777	0.0855	0.0585	4.305	165.84	1
9069_9070	9069	9070	174.1425	-14.406	0.648	-0.273	7.6515	924.5295	1
9070_9070	9070	9070	15.8055	-0.777	0.0855	0.0615	4.971	169.8405	1
9070_9071	9070	9071	168.1215	-10.6065	0.6645	-0.156	13.4535	846.213	1
9071_9071	9071	9071	16.128	-1.4865	0.0435	0.0975	-0.7785	-25.764	1
9071_9072	9071	9072	160.05	-6.5745	0.762	0.2955	23.652	742.0605	1
9072_9072	9072	9072	111.1245	51.162	0.4125	-1.473	-10.0545	1337.318	1
9072_9073	9072	9073	42.465	0.0615	-0.012	0.1875	4.6755	369.4395	1
9073_9073	9073	9073	98.4015	44.505	0.345	-0.804	-4.539	903.072	1
9073_9074	9073	9074	66.051	-49.767	-0.2655	0.5715	1.431	1009.806	1
9074_9074	9074	9074	95.616	10.428	0.0105	0.183	7.704	1163.475	1
9074_9075	9074	9075	110.625	-44.9895	0.171	0.276	2.823	1251.912	1
9075_9075	9075	9075	116.3655	10.035	0.0105	0.2235	5.754	977.685	1
9075_9076	9075	9076	165.4455	-39.504	0.1515	0.4905	3.609	1350.492	1
9076_9076	9076	9076	116.9115	9.9645	0.0075	0.048	5.8755	884.2035	1
9076_9077	9076	9077	188.4435	-38.238	0.075	0.153	4.2855	1477.587	1
9077_9077	9077	9077	103.6905	10.2345	0.0105	0.036	8.337	838.596	1
9077_9078	9077	9078	198.3885	-55.512	0.135	0.801	8.1555	1706.535	1
9078_9078	9078	9078	91.9815	9.759	-0.057	-0.09	8.457	739.5705	1
9078_9079	9078	9079	218.391	-53.403	-0.066	0.3855	7.5585	1855.8	1
9079_9079	9079	9079	82.845	9.591	-0.0555	0.0285	7.7775	661.113	1
9079_9080	9079	9080	231.8055	-46.647	-0.0705	0.834	6.807	1954.065	1
9080_9080	9080	9080	73.8585	9.1155	-0.048	-0.09	7.074	581.5185	1
9080_9081	9080	9081	243.8175	-45.4035	-0.0225	0.3705	6.6105	2040.692	1
9081_9081	9081	9081	65.3385	8.898	-0.048	-0.087	6.4485	506.529	1
9081_9082	9081	9082	248.6925	-38.661	-0.03	0.513	6.303	2072.897	1
9082_9082	9082	9082	57.1545	8.2365	-0.0435	-0.147	5.6685	421.797	1
9082_9083	9082	9083	252.354	-37.32	0.0015	0.018	6.3825	2095.005	1
9083_9083	9083	9083	51.165	-8.2935	0.054	0.156	5.154	382.452	1
9083_9084	9083	9084	247.9215	-30.201	-0.003	0.4545	6.3825	2055.695	1
9084_9084	9084	9084	59.718	-8.7045	0.0585	0.045	5.901	455.658	1
9084_9085	9084	9085	243.3915	-5.0445	0.0225	-0.531	6.6825	2027.949	1
9085_9085	9085	9085	68.0205	-8.829	0.0585	0.132	6.5865	523.149	1
9085_9086	9085	9086	231.906	1.7775	0.021	-0.0405	6.8805	1936.233	1
9086_9086	9086	9086	76.404	-9.117	0.0615	-0.027	7.242	589.116	1
9086_9087	9086	9087	218.9985	2.94	0.0645	-0.6945	7.6275	1833.158	1
9087_9087	9087	9087	85.1145	-9.198	0.0615	0.0765	7.9365	658.188	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9087_9088	9087	9088	200.5695	-15.5445	0.0435	0.048	7.7655	1667.436	1
9088_9088	9088	9088	93.822	-9.5775	0.027	-0.051	8.6265	723.495	1
9088_9089	9088	9089	178.9395	-12.891	-0.0855	-0.3465	6.3735	1489.784	1
9089_9089	9089	9089	103.146	-9.498	0.021	-0.054	7.893	849.4335	1
9089_9090	9089	9090	155.6565	-8.5695	-0.0705	-0.114	4.941	1421.882	1
9090_9090	9090	9090	107.379	-9.345	0	-0.222	8.07	905.853	1
9090_9091	9090	9091	119.859	-5.7555	-0.1485	-0.4905	3.117	1232.385	1
9091_9091	9091	9091	104.49	-9.2685	0.0015	-0.297	10.182	1007.744	1
9091_9092	9091	9092	73.4145	-0.321	-0.1395	-0.1815	2.382	996.495	1
9092_9092	9092	9092	95.3265	-9.501	0.135	-0.588	10.1925	1124.538	1
9092_9093	9092	9093	38.9085	3.7365	0.228	-0.4335	6.123	726.321	1
9093_9093	9093	9093	101.2815	-41.034	-0.408	1.272	-6.459	962.8935	1
9093_9094	9093	9094	37.2405	-7.233	0.009	0.264	-0.3945	381.096	1
9094_9094	9094	9094	39.42	37.5435	0.066	-0.5505	1.137	687.072	1
9094_9095	9094	9095	172.8135	-40.7625	-0.819	-0.1515	17.469	846.735	1
9095_9095	9095	9095	17.0865	1.02	-0.078	-0.105	0.105	-44.346	1
9095_9096	9095	9096	173.433	-37.005	-0.912	0.2535	11.2635	951.345	1
9096_9096	9096	9096	16.461	1.02	-0.078	-0.105	-0.504	-49.7565	1
9096_9097	9096	9097	177.027	-32.766	-0.8715	0.351	3.4365	1021.944	1
9097_9097	9097	9097	15.8355	0.978	-0.006	-0.0915	-1.11	-55.158	1
9097_9098	9097	9098	180.009	-29.8635	-0.0855	-0.276	2.0355	1085.64	1
9098_9098	9098	9098	15.219	0.978	-0.0105	-0.105	-1.1565	-60.51	1
9098_9099	9098	9099	181.38	-24.948	-0.084	0.096	0.7815	1131.467	1
9099_9099	9099	9099	14.6085	0.951	-0.009	-0.102	-1.2165	-62.586	1
9099_9100	9099	9100	181.602	-19.617	-0.0645	0.216	-0.1575	1160.696	1
9100_9100	9100	9100	14.0085	0.969	-0.009	-0.0795	-1.281	-67.209	1
9100_9101	9100	9101	181.92	-18.9945	-0.027	-0.3075	-0.4575	1180.125	1
9101_9101	9101	9101	13.5585	0.948	-0.006	-0.0765	-1.2855	-68.3865	1
9101_9102	9101	9102	181.3245	-14.82	-0.018	-0.2535	-0.648	1187.589	1
9102_9102	9102	9102	13.11	0.948	-0.0075	-0.078	-1.326	-72.27	1
9102_9103	9102	9103	179.346	-32.6055	0.0345	0.141	-0.282	1182.974	1
9103_9103	9103	9103	12.8625	0.0135	-0.132	-0.0765	1.1415	141.4125	1
9103_9104	9103	9104	178.209	-28.6245	0.0285	0.573	0.0255	1164.696	1
9104_9104	9104	9104	12.8565	-0.0945	-0.135	-0.1635	0.3495	141.3585	1
9104_9105	9104	9105	176.886	-26.6685	0.0885	-0.2085	1.062	1136.639	1
9105_9105	9105	9105	12.915	-0.0945	-0.135	-0.1275	-0.735	141.8745	1
9105_9106	9105	9106	174.474	-21.723	0.093	0.1875	2.3385	1091.907	1
9106_9106	9106	9106	12.975	-0.0945	-0.135	-0.129	-1.8135	142.3905	1
9106_9107	9106	9107	170.4225	-17.1885	0.1095	0.273	3.882	1028.793	1
9107_9107	9107	9107	13.0335	-0.0945	-0.108	-0.1755	-2.8905	142.9095	1
9107_9108	9107	9108	165.858	-14.5485	0.9075	-0.2235	11.772	958.473	1
9108_9108	9108	9108	13.0905	-0.0945	-0.108	-0.1755	-3.7335	143.409	1
9108_9109	9108	9109	159.7515	-10.6485	0.933	-0.111	20.088	875.496	1
9109_9109	9109	9109	13.743	-0.1245	-0.1095	-0.1455	-4.6485	152.979	1
9109_9110	9109	9110	155.4555	-6.483	0.852	0.2115	27.5775	747.9105	1
9110_9110	9110	9110	118.5675	47.9415	0.525	-1.5225	-15.7095	1348.905	1
9110_9111	9110	9111	36.327	2.1825	-0.024	0.18	5.112	424.9155	1
9111_9111	9111	9111	108.456	39.972	0.429	-0.729	-8.6535	934.6485	1
9111_9112	9111	9112	62.313	-48.7455	-0.3465	0.5115	3.183	1016.738	1
9112_9112	9112	9112	94.044	32.9535	-0.1215	-0.939	-3.6315	604.0635	1
9112_9113	9112	9113	104.3355	-43.9215	0.1695	0.375	4.701	1248.945	1
9113_9113	9113	9113	101.4225	10.956	-0.0105	0.234	8.451	1023.674	1
9113_9114	9113	9114	141.3375	-38.343	0.159	0.687	5.454	1401.717	1
9114_9114	9114	9114	101.199	10.8765	-0.0315	0.0975	8.322	920.847	1
9114_9115	9114	9115	159.681	-37.1655	0.0525	0.3195	6.0045	1521.102	1
9115_9115	9115	9115	107.184	10.911	-0.027	0.0105	6.711	772.3545	1
9115_9116	9115	9116	200.1675	-29.16	0.048	0.315	5.7975	1519.878	1
9116_9116	9116	9116	93.402	10.4835	-0.0525	-0.102	6.3465	681.1035	1
9116_9117	9116	9117	215.703	-27.684	-0.051	-0.066	5.409	1631.834	1
9117_9117	9117	9117	82.7085	10.32	-0.0495	0.042	5.742	602.7945	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9117_9118	9117	9118	226.104	-20.916	-0.0495	0.4245	4.8945	1706.918	1
9118_9118	9118	9118	72.135	10.017	-0.0465	-0.129	5.1675	528.9615	1
9118_9119	9118	9119	235.356	-19.8405	-0.0405	-0.213	4.4745	1772.31	1
9119_9119	9119	9119	61.9815	9.735	-0.045	-0.018	4.5765	450.6045	1
9119_9120	9119	9120	237.9795	-12.876	-0.0375	0.309	4.005	1792.308	1
9120_9120	9120	9120	52.158	9.1155	-0.045	-0.1275	3.948	369.9195	1
9120_9121	9120	9121	239.835	-11.835	-0.0225	-0.3285	3.7125	1805.936	1
9121_9121	9121	9121	42.4515	8.325	-0.042	-0.0525	3.18	282.0615	1
9121_9122	9121	9122	232.947	-4.2585	-0.018	0.18	3.4365	1760.901	1
9122_9122	9122	9122	33.8145	7.092	-0.036	-0.1095	2.3355	196.521	1
9122_9123	9122	9123	225.15	-3.5595	-0.015	-0.57	3.261	1708.853	1
9123_9123	9123	9123	38.451	-5.8695	0.0195	0.0975	2.889	301.212	1
9123_9124	9123	9124	209.8215	3.4725	-0.006	0.1305	3.1635	1606.503	1
9124_9124	9124	9124	44.631	-6.2565	0.0195	-0.0255	3.144	350.19	1
9124_9125	9124	9125	193.452	4.4265	0.015	-0.546	3.36	1496.112	1
9125_9125	9125	9125	51.2505	-6.5775	0.021	0.0705	3.369	408.0525	1
9125_9126	9125	9126	172.4535	-13.386	0.009	0.1125	3.36	1336.911	1
9126_9126	9126	9126	58.0245	-6.912	-0.0045	-0.0405	3.5925	455.5635	1
9126_9127	9126	9127	148.5585	-10.7085	-0.0795	-0.258	2.208	1164.413	1
9127_9127	9127	9127	69.0195	-6.912	-0.003	0.0105	3.1455	522.579	1
9127_9128	9127	9128	132.432	-6.5415	-0.0645	0.006	1.4655	1059.165	1
9128_9128	9128	9128	77.6565	-25.2735	0.084	0.198	-0.726	291.6555	1
9128_9129	9128	9129	97.1205	-4.428	-0.1395	-0.2355	-0.054	896.265	1
9129_9129	9129	9129	99.72	-30.813	0.1125	0.7155	0.384	525.4515	1
9129_9130	9129	9130	47.661	-8.889	0.0555	0.1785	1.4235	327.4365	1
9130_9130	9130	9130	122.0655	-36.537	-0.183	0.522	2.2515	854.457	1
9130_9131	9130	9131	48.087	-8.2995	0.0465	0.108	2.0505	414.2145	1
9131_9131	9131	9131	136.137	-43.1115	-0.252	0.864	-0.4095	1237.334	1
9131_9132	9131	9132	46.6065	-7.647	0.045	0.093	2.58	494.3445	1
9132_9132	9132	9132	48.279	40.878	0.207	-0.393	-3.6345	658.953	1
9132_9133	9132	9133	158.6145	-44.31	-0.669	0.027	10.6695	676.8765	1
9133_9133	9133	9133	23.043	32.1555	0.081	-0.315	0.345	426.873	1
9133_9134	9133	9134	169.308	-40.0395	-0.5925	0.096	4.7295	761.3805	1
9134_9134	9134	9134	13.362	1.749	0.042	0.117	0.348	209.841	1
9134_9135	9134	9135	176.19	-35.544	-0.5895	0.273	-0.201	843.9345	1
9135_9135	9135	9135	12.147	1.725	0.0315	0.0555	0.714	192.8415	1
9135_9136	9135	9136	181.746	-31.797	0	-0.108	-0.405	915.855	1
9136_9136	9136	9136	11.2815	-1.914	-0.0345	-0.012	2.01	64.4895	1
9136_9137	9136	9137	184.9875	-26.541	-0.0015	0.0885	-0.5595	968.7855	1
9137_9137	9137	9137	12.72	-2.0505	-0.0375	-0.0135	1.818	81.5985	1
9137_9138	9137	9138	186.432	-20.8515	0.0045	0.15	-0.5805	1003.989	1
9138_9138	9138	9138	14.235	-2.229	-0.042	-0.039	1.5585	99.735	1
9138_9139	9138	9139	187.329	-19.8915	0.015	-0.246	-0.4725	1025.987	1
9139_9139	9139	9139	15.45	-2.229	-0.042	-0.018	1.305	108.246	1
9139_9140	9139	9140	186.9375	-15.3885	0.006	0.006	-0.4035	1035.741	1
9140_9140	9140	9140	16.7025	-2.319	-0.045	-0.0195	1.05	122.646	1
9140_9141	9140	9141	184.3605	-10.7865	0.0075	0.0555	-0.321	1027.599	1
9141_9141	9141	9141	17.9895	-2.403	-0.0465	-0.0495	0.7695	137.505	1
9141_9142	9141	9142	181.515	-26.844	0.0195	0.051	0.1305	1014.75	1
9142_9142	9142	9142	19.3215	-2.6295	-0.0495	-0.051	0.462	152.859	1
9142_9143	9142	9143	178.5075	-24.51	0.021	0.009	0.4275	983.346	1
9143_9143	9143	9143	21.2385	-2.637	-0.0495	-0.0765	0.0645	166.788	1
9143_9144	9143	9144	173.6595	-19.233	0.0315	-0.0735	0.8775	933.4785	1
9144_9144	9144	9144	23.1945	-2.85	-0.0555	-0.0585	-0.507	197.2155	1
9144_9145	9144	9145	166.4895	-14.3835	0.03	0.117	1.362	864.144	1
9145_9145	9145	9145	25.2675	-2.9115	-0.0525	-0.096	-0.9495	211.7265	1
9145_9146	9145	9146	158.1945	-11.1405	0.4875	-0.1215	5.4555	784.8495	1
9146_9146	9146	9146	27.3375	-3.0195	-0.06	-0.138	-1.5135	234.963	1
9146_9147	9146	9147	147.9915	-7.017	0.504	-0.1755	9.765	692.7165	1
9147_9147	9147	9147	27.669	-2.922	-0.0555	-0.1485	-1.881	248.7885	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9147_9148	9147	9148	132.8715	-2.6505	0.531	0.132	15.8895	578.646	1
9148_9148	9148	9148	155.217	45.3945	0.3345	-0.9585	-6.9165	1442.801	1
9148_9149	9148	9149	55.149	4.77	-0.018	-0.0885	0.021	335.6145	1
9149_9149	9149	9149	146.169	41.9775	0.2985	-0.6975	-2.5845	1034.453	1
9149_9150	9149	9150	54.888	5.8065	-0.018	-0.087	-0.1995	272.553	1
9150_9150	9150	9150	131.691	36.666	-0.105	-0.687	0.6495	702.3495	1
9150_9151	9150	9151	73.335	-42.7365	0.1365	0.4245	0.9705	1019.997	1
9151_9151	9151	9151	111.225	29.283	-0.0615	-0.276	-0.78	411.2475	1
9151_9152	9151	9152	118.9365	-37.5465	0.123	0.192	1.9275	1077.984	1
9152_9152	9152	9152	86.0925	25.2075	-0.0435	-0.2805	-1.4235	229.479	1
9152_9153	9152	9153	136.1145	-36.492	0.054	0.165	2.307	1173.696	1
9153_9153	9153	9153	69.201	10.296	-0.0135	-0.0225	2.9355	559.53	1
9153_9154	9153	9154	164.121	-28.578	0.051	0.114	2.622	1250.253	1
9154_9154	9154	9154	54.945	9.933	-0.0195	-0.042	2.7405	469.5975	1
9154_9155	9154	9155	177.0015	-26.424	-0.009	-0.012	2.571	1340.13	1
9155_9155	9155	9155	44.0505	9.6075	-0.018	-0.015	2.4855	393.309	1
9155_9156	9155	9156	184.7925	-19.404	-0.003	0.129	2.5425	1395.627	1
9156_9156	9156	9156	33.804	8.694	-0.021	-0.045	2.1495	305.757	1
9156_9157	9156	9157	190.2975	-17.9895	-0.0105	-0.084	2.4705	1433.939	1
9157_9157	9157	9157	25.761	7.218	-0.018	-0.0195	1.668	217.554	1
9157_9158	9157	9158	190.4535	-33.8775	0.0015	0.1815	2.469	1435.295	1
9158_9158	9158	9158	19.6185	1.896	0.006	-0.0075	-0.171	96.2055	1
9158_9159	9158	9159	190.428	-32.3775	0.006	-0.024	2.5215	1430.009	1
9159_9159	9159	9159	24.765	-6.561	0.0195	0.03	1.7775	203.4285	1
9159_9160	9159	9160	184.779	-26.0685	0.0105	0.117	2.6235	1388.987	1
9160_9160	9160	9160	31.9365	-7.7055	0.0165	0.0165	2.1855	276.087	1
9160_9161	9160	9161	176.6835	-23.8605	0.003	-0.0405	2.652	1329.938	1
9161_9161	9161	9161	41.049	-8.5455	0.0165	0.021	2.4945	356.127	1
9161_9162	9161	9162	163.344	-17.3565	0.003	0.0105	2.649	1235.99	1
9162_9162	9162	9162	50.754	-9.048	0.0075	0.024	2.694	423.6015	1
9162_9163	9162	9163	145.1265	-13.716	-0.051	-0.0345	1.8945	1104.579	1
9163_9163	9163	9163	71.544	-21.549	0.042	0.2295	-1.3815	138.5475	1
9163_9164	9163	9164	120.0495	-9.5805	-0.0555	-0.132	1.6455	1046.082	1
9164_9164	9164	9164	89.802	-23.8185	0.048	0.225	-1.1025	241.131	1
9164_9165	9164	9165	89.1225	-6.885	-0.105	-0.099	0.567	908.3235	1
9165_9165	9165	9165	114.9195	-27.441	0.072	0.4215	-0.513	430.1895	1
9165_9166	9165	9166	64.449	-7.6695	0.0345	0.084	0.0465	307.032	1
9166_9166	9166	9166	138.006	-33.5925	-0.1935	0.3585	0.906	710.574	1
9166_9167	9166	9167	64.5465	-6.39	0.0135	0.0495	0.222	375.66	1
9167_9167	9167	9167	152.901	-36.429	-0.2325	0.645	-1.644	1045.727	1
9167_9168	9167	9168	62.7585	-5.202	0.012	0.0855	0.3705	438.465	1
9168_9168	9168	9168	51.8985	40.995	0.1125	-0.3825	-2.0415	648.063	1
9168_9169	9168	9169	151.398	-44.088	-0.4605	0.003	8.7285	669.495	1
9169_9169	9169	9169	32.7165	3.081	0.054	0.123	-1.3785	255.7935	1
9169_9170	9169	9170	163.368	-39.921	-0.3735	0.228	3.8925	752.8155	1
9170_9170	9170	9170	30.4665	2.994	0.0495	0.084	-0.8655	233.37	1
9170_9171	9170	9171	172.1085	-35.4585	-0.3555	0.18	0.84	830.9715	1
9171_9171	9171	9171	28.3125	2.8275	0.0435	0.069	-0.4185	210.8745	1
9171_9172	9171	9172	179.64	-31.83	-0.0315	0.033	0.4065	899.664	1
9172_9172	9172	9172	26.163	2.8275	0.042	0.042	-0.075	196.845	1
9172_9173	9172	9173	184.743	-26.625	-0.0225	-0.039	0.081	949.8465	1
9173_9173	9173	9173	24.0705	2.631	0.0375	0.0585	0.3285	167.1555	1
9173_9174	9173	9174	188.0265	-20.9865	-0.021	0.147	-0.1875	983.277	1
9174_9174	9174	9174	22.071	2.52	0.036	0.0375	0.633	154.104	1
9174_9175	9174	9175	190.1595	-19.7715	-0.0045	-0.057	-0.2325	1003.359	1
9175_9175	9175	9175	20.637	2.5125	0.036	0.0105	0.8535	144.249	1
9175_9176	9175	9176	192.477	-35.6145	0.0075	-0.0615	-0.2205	1010.757	1
9176_9176	9176	9176	19.236	2.436	0.0345	0.033	1.062	129.366	1
9176_9177	9176	9177	192.579	-31.152	0.003	0.1605	-0.186	1002.719	1
9177_9177	9177	9177	17.8755	2.3565	0.033	0.0315	1.254	114.9225	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9177_9178	9177	9178	191.2905	-26.9115	0.003	0.189	-0.1455	982.74	1
9178_9178	9178	9178	16.5465	2.2605	0.0345	0.009	1.437	103.2525	1
9178_9179	9178	9179	189.0555	-24.2715	0.0315	-0.1005	0.1635	949.1205	1
9179_9179	9179	9179	14.856	2.2245	0.033	0.0225	1.6905	89.889	1
9179_9180	9179	9180	184.9995	-19.0875	0.0315	0.087	0.5265	899.0565	1
9180_9180	9180	9180	13.2525	2.103	0.03	0.009	1.863	72.3105	1
9180_9181	9180	9181	178.5165	-14.337	0.0405	0.0195	1.0035	830.7795	1
9181_9181	9181	9181	11.721	1.9455	0.0105	0.009	1.983	55.749	1
9181_9182	9181	9182	170.79	-11.004	0.36	-0.147	4.0035	753.1635	1
9182_9182	9182	9182	12.3585	-1.6125	-0.036	-0.084	-0.528	176.43	1
9182_9183	9182	9183	161.196	-6.993	0.3675	-0.0825	7.113	664.422	1
9183_9183	9183	9183	23.3595	-32.4315	-0.039	0.2595	0.642	444.0405	1
9183_9184	9183	9184	148.5945	-2.766	0.4335	-0.006	12.669	548.283	1
9184_9184	9184	9184	143.433	50.2635	0.2625	-0.804	-4.779	1442.549	1
9184_9185	9184	9185	39.5805	6.783	-0.015	-0.093	0.3225	292.512	1
9185_9185	9185	9185	131.4555	45.498	0.228	-0.492	-1.3725	1001.405	1
9185_9186	9185	9186	49.74	-49.9695	-0.1725	0.2835	-0.0735	749.2155	1
9186_9186	9186	9186	113.037	39.291	-0.093	-0.5475	1.077	644.5935	1
9186_9187	9186	9187	91.5255	-44.7705	0.117	0.2655	0.6495	960.444	1
9187_9187	9187	9187	87.2805	31.1355	-0.066	-0.261	-0.321	346.299	1
9187_9188	9187	9188	135.9525	-39.378	0.12	0.207	1.6485	1072.404	1
9188_9188	9188	9188	76.746	8.595	-0.0105	0.0315	3.1125	569.8365	1
9188_9189	9188	9189	156.6435	-37.6455	0.0585	0.165	2.046	1181.921	1
9189_9189	9189	9189	72.999	8.5995	-0.012	-0.027	2.832	528.345	1
9189_9190	9189	9190	181.9395	-29.7855	0.063	0.144	2.697	1357.215	1
9190_9190	9190	9190	61.4205	8.1945	-0.015	-0.021	2.6865	445.8735	1
9190_9191	9190	9191	197.7795	-27.117	0.009	0.099	2.838	1467.642	1
9191_9191	9191	9191	52.6065	7.9545	-0.015	-0.0465	2.514	380.8755	1
9191_9192	9191	9192	208.4145	-42.927	0.0135	0.252	2.988	1548.401	1
9192_9192	9192	9192	44.1615	7.4235	-0.018	-0.057	2.2815	311.907	1
9192_9193	9192	9193	216.288	-40.926	0.012	0.0675	3.0795	1597.35	1
9193_9193	9193	9193	37.242	6.5565	-0.018	-0.03	1.9425	241.7715	1
9193_9194	9193	9194	217.761	-34.473	0.0165	0.2505	3.231	1604.234	1
9194_9194	9194	9194	35.985	-8.103	0.0255	0.0345	2.274	251.568	1
9194_9195	9194	9195	217.4955	-32.538	0.015	-0.033	3.3555	1598.298	1
9195_9195	9195	9195	44.1735	-8.586	0.027	0.063	2.6205	316.0545	1
9195_9196	9195	9196	211.6605	-26.3475	0.0195	0.1485	3.5145	1555.154	1
9196_9196	9196	9196	52.7655	-9.075	0.021	0.0135	2.9325	379.401	1
9196_9197	9196	9197	202.776	-23.808	0.003	-0.12	3.507	1489.877	1
9197_9197	9197	9197	62.751	-9.2835	0.021	0.045	3.1755	449.4	1
9197_9198	9197	9198	188.733	-17.4555	0.0075	0.0495	3.519	1389.096	1
9198_9198	9198	9198	72.8985	-9.7095	0.006	-0.012	3.4095	516.9975	1
9198_9199	9198	9199	168.843	-13.503	-0.0645	-0.1395	2.5215	1244.531	1
9199_9199	9199	9199	83.7045	-9.6855	0.0075	-0.012	3.756	591.852	1
9199_9200	9199	9200	145.4025	-9.246	-0.0585	-0.069	2.2335	1121.141	1
9200_9200	9200	9200	89.3625	-9.606	-0.012	-0.087	3.8145	643.6575	1
9200_9201	9200	9201	111.243	-5.8515	-0.0915	-0.2205	1.269	975.4965	1
9201_9201	9201	9201	88.74	-29.0235	0.069	0.675	-1.9935	377.589	1
9201_9202	9201	9202	59.439	-0.987	-0.1065	-0.2295	0.9945	838.8585	1
9202_9202	9202	9202	113.3715	-35.352	-0.282	0.6915	-0.615	678.006	1
9202_9203	9202	9203	39.639	-6.5865	0.0135	0.1215	-0.639	285.339	1
9203_9203	9203	9203	130.5375	-40.8075	-0.3375	0.8805	-4.473	1039.431	1
9203_9204	9203	9204	39.2235	-5.91	0.015	0.1065	-0.498	346.095	1
9204_9204	9204	9204	48.9255	38.637	0.0585	-0.513	0.2985	690.0075	1
9204_9205	9204	9205	165.882	-41.9205	-0.639	-0.042	13.533	744.75	1
9205_9205	9205	9205	21.54	34.3395	0.0045	-0.3225	2.0805	471.453	1
9205_9206	9205	9206	174.5685	-38.04	-0.57	0.2625	7.1265	839.7285	1
9206_9206	9206	9206	14.409	0.591	0.0885	0.1155	-2.025	167.451	1
9206_9207	9206	9207	180.54	-33.879	-0.5475	0.3315	2.262	909.936	1
9207_9207	9207	9207	14.001	0.543	0.081	0.0555	-1.2765	159.9015	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9207_9208	9207	9208	185.379	-30.318	-0.0885	-0.1995	1.14	970.6095	1
9208_9208	9208	9208	13.614	0.5235	0.0795	0.0765	-0.5925	153.4875	1
9208_9209	9208	9209	188.337	-25.4235	-0.087	0.0015	0.114	1014.878	1
9209_9209	9209	9209	13.239	0.5235	0.081	0.0975	0.045	150.807	1
9209_9210	9209	9210	189.9615	-20.115	-0.081	0.21	-0.759	1044.417	1
9210_9210	9210	9210	12.888	0.3255	0.0705	0.012	0.7215	136.8	1
9210_9211	9210	9211	191.151	-19.1025	0.0075	-0.4365	-0.7605	1063.298	1
9211_9211	9211	9211	12.7125	0.3255	0.072	0.039	1.146	135.5505	1
9211_9212	9211	9212	192.003	-36.558	0.015	-0.021	-0.6285	1079.603	1
9212_9212	9212	9212	12.5385	0.3255	0.0735	0.0645	1.578	134.2995	1
9212_9213	9212	9213	192.3495	-32.358	0.009	0.216	-0.4995	1076.483	1
9213_9213	9213	9213	12.3645	0.3255	0.075	0.09	2.019	133.0485	1
9213_9214	9213	9214	191.619	-28.3605	0.0015	0.432	-0.3945	1062.686	1
9214_9214	9214	9214	12.6135	-0.984	0.0315	0.066	-0.1725	-46.4475	1
9214_9215	9214	9215	190.6245	-26.0805	0.1095	-0.3315	0.672	1040.307	1
9215_9215	9215	9215	13.3275	-1.002	0.027	0.057	0.0975	-43.236	1
9215_9216	9215	9216	188.28	-21.213	0.1035	0.015	1.83	1003.617	1
9216_9216	9216	9216	14.0475	-1.002	0.021	0.045	0.3135	-38.1	1
9216_9217	9216	9217	184.038	-16.746	0.096	0.3285	3	950.919	1
9217_9217	9217	9217	14.7735	-1.0035	0.0675	0.0555	0.477	-32.964	1
9217_9218	9217	9218	179.1345	-14.0565	0.5475	-0.504	7.728	891.8865	1
9218_9218	9218	9218	15.4785	-1.0185	0.0585	0.0435	1.044	-29.427	1
9218_9219	9218	9219	172.722	-10.2825	0.5265	-0.054	12.3645	823.3905	1
9219_9219	9219	9219	21.186	-33.7065	-0.018	0.474	1.92	505.023	1
9219_9220	9219	9220	163.653	-6.279	0.5385	0.1815	18.4305	715.4745	1
9220_9220	9220	9220	102.804	48.7935	0.324	-1.128	-8.361	1009.55	1
9220_9221	9220	9221	40.6455	-52.794	-0.1065	0.1845	4.224	756.441	1
9221_9221	9221	9221	96.7485	13.977	-0.0375	0.543	8.148	1250.484	1
9221_9222	9221	9222	78.15	-47.1375	-0.1695	0.489	2.3265	992.4225	1
9222_9222	9222	9222	106.62	13.5015	-0.0225	-0.066	7.7055	1095.372	1
9222_9223	9222	9223	122.706	-41.487	0.096	-0.0825	2.949	1198.064	1
9223_9223	9223	9223	122.5575	13.3395	-0.0135	0.258	4.8345	886.3335	1
9223_9224	9223	9224	174.1845	-35.3745	0.084	0.486	2.688	1254.251	1
9224_9224	9224	9224	118.3545	13.3305	-0.0345	-0.1335	4.6815	773.4435	1
9224_9225	9224	9225	193.2375	-32.8485	0.03	-0.1905	2.9505	1346.786	1
9225_9225	9225	9225	104.3475	13.563	-0.0375	0.0705	4.8345	740.9055	1
9225_9226	9225	9226	197.7015	-23.8755	0.0465	0.4425	3.9045	1560.978	1
9226_9226	9226	9226	86.4615	12.846	-0.0375	-0.1815	4.2825	607.0725	1
9226_9227	9226	9227	206.4165	-20.2335	-0.0135	-0.3195	3.8475	1633.428	1
9227_9227	9227	9227	73.128	12.8355	-0.0375	-0.0015	3.8505	514.014	1
9227_9228	9227	9228	208.761	-12.6885	-0.0075	0.351	3.768	1657.779	1
9228_9228	9228	9228	60.1095	12	-0.0465	-0.162	3.324	407.3775	1
9228_9229	9228	9229	207.1935	-32.103	-0.0165	-0.264	3.528	1651.64	1
9229_9229	9229	9229	61.7475	-11.586	0.012	0.1485	2.844	451.197	1
9229_9230	9229	9230	199.4835	-25.0275	-0.0105	0.3645	3.33	1592.007	1
9230_9230	9230	9230	73.98	-12.5535	0.0165	-0.1365	3.009	548.895	1
9230_9231	9230	9231	188.5935	-21.378	-0.0315	-0.4605	2.8635	1505.675	1
9231_9231	9231	9231	87.9045	-12.822	0.0165	0.063	3.195	655.2465	1
9231_9232	9231	9232	176.9685	-16.383	-0.024	0.045	2.613	1414.035	1
9232_9232	9232	9232	97.3905	-12.801	0.0315	0.294	5.4645	737.3145	1
9232_9233	9232	9233	169.2045	-14.6595	-0.0195	0.525	4.215	1388.081	1
9233_9233	9233	9233	100.6635	-13.263	-0.0165	-0.252	5.5545	763.1895	1
9233_9234	9233	9234	147.351	-12.195	-0.198	-0.435	2.3955	1281.885	1
9234_9234	9234	9234	107.382	-12.9375	-0.0135	-0.1035	5.391	854.1465	1
9234_9235	9234	9235	125.475	-8.526	-0.1695	-0.099	1.356	1189.731	1
9235_9235	9235	9235	91.299	-13.359	-0.015	0.3105	8.211	1017.978	1
9235_9236	9235	9236	85.098	-6.5085	-0.216	0.489	1.236	1216.311	1
9236_9236	9236	9236	89.961	-13.6335	-0.255	-0.732	8.049	1088.408	1
9236_9237	9236	9237	59.1555	-3.3015	-0.42	-0.492	-1.854	1047.249	1
9237_9237	9237	9237	85.08	-13.761	-0.249	0.147	5.6085	1207.017	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9237_9238	9237	9238	38.7225	-3.0435	-0.063	0.0015	3.8355	447.204	1
9238_9238	9238	9238	92.5935	-41.5605	-0.6555	1.392	2.8815	816.582	1
9238_9239	9238	9239	35.967	-2.9595	0.045	-0.33	4.215	476.0925	1
9239_9239	9239	9239	102.108	-44.862	-0.7665	2.181	-3.243	1110.066	1
9239_9240	9239	9240	34.794	-2.7885	0.042	-0.192	4.3995	488.487	1
9240_9240	9240	9240	27.6345	1.122	-0.2535	-0.51	-1.6935	-29.724	1
9240_9241	9240	9241	182.6775	-28.998	0.5415	2.9085	21.8595	975.117	1
9241_9241	9241	9241	27.0345	1.9485	0.0645	-0.1125	-3.297	-34.5615	1
9241_9242	9241	9242	184.146	-36.6225	-0.4995	-0.981	19.8855	999.9975	1
9242_9242	9242	9242	26.19	1.9455	0.048	-0.1245	-2.9235	-36.852	1
9242_9243	9242	9243	188.4435	-30.333	-0.4275	-0.3975	11.9715	1081.185	1
9243_9243	9243	9243	24.3285	1.9455	0.0315	-0.153	-2.3235	-53.4405	1
9243_9244	9243	9244	188.1975	-25.4835	-0.4005	0.2685	7.821	1114.29	1
9244_9244	9244	9244	22.9755	2.0505	0.024	-0.0975	-2.043	-65.484	1
9244_9245	9244	9245	191.277	-25.455	-0.558	-0.597	1.962	1176.038	1
9245_9245	9245	9245	21.3165	2.0505	0.006	-0.1425	-1.7985	-80.2725	1
9245_9246	9245	9246	192.543	-19.974	-0.603	0.1725	-3.876	1209.446	1
9246_9246	9246	9246	19.8765	2.04	0.0135	-0.0825	-1.7145	-86.931	1
9246_9247	9246	9247	193.9905	-38.5905	0.033	-0.192	-3.357	1236.371	1
9247_9247	9247	9247	18.21	2.04	-0.0075	-0.1515	-1.5735	-101.78	1
9247_9248	9247	9248	195.564	-32.7975	-0.0165	0.6825	-3.2055	1236.323	1
9248_9248	9248	9248	16.7775	2.121	-0.021	-0.066	-1.6425	-114.551	1
9248_9249	9248	9249	196.1745	-28.986	0.186	-0.216	-1.002	1219.946	1
9249_9249	9249	9249	15.2475	2.073	-0.0315	-0.123	-1.704	-122.982	1
9249_9250	9249	9250	195.3705	-23.304	0.1605	0.4635	1.311	1180.761	1
9250_9250	9250	9250	13.6305	2.16	-0.057	-0.042	-1.92	-134.019	1
9250_9251	9250	9251	193.8405	-20.073	0.8865	-0.183	10.965	1132.352	1
9251_9251	9251	9251	11.9925	2.1195	-0.069	-0.111	-2.3445	-144.521	1
9251_9252	9251	9252	189.864	-15.384	0.8475	0.4545	20.172	1060.829	1
9252_9252	9252	9252	10.395	2.211	0.111	0.2805	-2.8665	-154.688	1
9252_9253	9252	9253	189.3285	-18.6885	-0.774	-3.159	17.9685	1043.151	1
9253_9253	9253	9253	9.8805	2.211	0.0975	0.225	-2.433	-159.632	1
9253_9254	9253	9254	187.4205	-14.2875	-0.804	-2.703	10.1745	982.932	1
9254_9254	9254	9254	101.7645	37.2285	1.1475	-3.039	-6.6015	1124.054	1
9254_9255	9254	9255	47.679	10.0575	0.201	-0.7005	-0.942	362.5845	1
9255_9255	9255	9255	93.9165	37.6605	-0.4875	-0.9015	5.3265	786.8925	1
9255_9256	9255	9256	63.513	-46.6905	1.011	-0.3945	-4.5585	1071.009	1
9256_9256	9256	9256	91.836	15.0435	0.7155	0.639	1.347	1263.431	1
9256_9257	9256	9257	93.2775	-41.388	1.0185	0.78	6.759	1238.961	1
9257_9257	9257	9257	97.0215	14.256	0.003	-0.2145	9.276	1121.264	1
9257_9258	9257	9258	107.283	-43.098	-0.138	-0.3855	6.2265	1312.905	1
9258_9258	9258	9258	116.0385	13.872	0.0045	0.018	5.9415	969.87	1
9258_9259	9258	9259	161.2125	-38.283	-0.09	0.0495	3.138	1315.865	1
9259_9259	9259	9259	113.2215	14.241	0.0075	0.156	5.979	864.294	1
9259_9260	9259	9260	176.592	-34.35	-0.084	0.3645	2.5575	1389.818	1
9260_9260	9260	9260	107.439	13.8405	-0.0555	-0.3165	6.075	796.5585	1
9260_9261	9260	9261	182.6175	-34.4445	0.027	-0.5415	2.6655	1427.528	1
9261_9261	9261	9261	107.6265	13.9395	-0.0405	-0.1185	4.464	722.376	1
9261_9262	9261	9262	204.5625	-27.8385	0.027	-0.093	2.4105	1450.593	1
9262_9262	9262	9262	92.502	13.917	-0.0375	0.0885	4.0125	626.316	1
9262_9263	9262	9263	212.178	-21.9765	0.036	0.4365	2.8455	1511.165	1
9263_9263	9263	9263	79.5405	13.3125	-0.021	-0.135	3.6525	542.757	1
9263_9264	9263	9264	219.111	-17.898	0.0195	-0.2055	3.231	1567.787	1
9264_9264	9264	9264	64.8015	13.2045	-0.0195	-0.0495	3.414	446.9805	1
9264_9265	9264	9265	218.202	-10.6695	0.018	0.156	3.495	1572.134	1
9265_9265	9265	9265	50.7855	12.6735	-0.021	-0.1305	3.165	352.65	1
9265_9266	9265	9266	213.792	-29.967	-0.009	-0.177	3.4125	1556.588	1
9266_9266	9266	9266	65.9445	-14.6085	0.006	0.081	2.817	531.8925	1
9266_9267	9266	9267	204.0885	-23.3085	-0.009	0.1425	3.264	1491.428	1
9267_9267	9267	9267	81.579	-15.222	-0.0135	-0.1125	2.8815	630.543	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9267_9268	9267	9268	197.5905	-22.377	-0.081	-0.3225	2.6955	1446.377	1
9268_9268	9268	9268	91.221	-15.222	-0.0135	-0.072	2.787	691.3485	1
9268_9269	9268	9269	189.075	-18.666	-0.0735	-0.201	2.199	1386.942	1
9269_9269	9269	9269	92.355	-15.27	-0.0135	0.0315	3.678	820.3935	1
9269_9270	9269	9270	154.275	-13.731	-0.0825	0.051	2.268	1407.185	1
9270_9270	9270	9270	102.0795	-15.8775	-0.0435	-0.375	3.5085	924.0525	1
9270_9271	9270	9271	125.5485	-10.7055	-0.1425	-0.486	1.0845	1289.988	1
9271_9271	9271	9271	89.316	-16.431	-0.057	-0.3465	4.791	1140.164	1
9271_9272	9271	9272	82.272	-7.7925	-0.183	-0.333	0.858	1287.042	1
9272_9272	9272	9272	87.438	-16.7955	-0.0495	0.198	4.2645	1256.283	1
9272_9273	9272	9273	68.0895	-5.8875	-0.1515	0.285	0.639	1200.702	1
9273_9273	9273	9273	85.0305	-17.2815	0.2085	-1.014	3.9105	1330.775	1
9273_9274	9273	9274	38.8185	-1.659	0.0885	-0.69	2.9445	977.148	1
9274_9274	9274	9274	90.9525	-42.6075	-0.558	1.4205	-3.1545	757.9515	1
9274_9275	9274	9275	35.0205	-12.0465	-0.042	0.381	-2.664	463.071	1
9275_9275	9275	9275	22.164	34.3635	-0.204	-0.618	7.788	775.11	1
9275_9276	9275	9276	184.548	-37.4415	-0.705	-0.0375	22.6485	1034.858	1
9276_9276	9276	9276	20.9205	1.647	-0.126	-0.294	3.27	-41.121	1
9276_9277	9276	9277	186.1275	-35.1435	-0.6945	0.2445	18.5115	1068.132	1
9277_9277	9277	9277	19.278	1.644	-0.1215	-0.2685	2.442	-43.113	1
9277_9278	9277	9278	188.4285	-30.2535	-0.5955	0.66	9.729	1094.012	1
9278_9278	9278	9278	18.0945	1.5585	-0.0285	-0.126	1.3185	-53.484	1
9278_9279	9278	9279	189.537	-26.982	-0.171	-0.6285	6.345	1139.904	1
9279_9279	9279	9279	16.6995	1.5585	-0.0495	-0.1785	1.0005	-65.52	1
9279_9280	9279	9280	187.92	-20.1405	-0.174	0.4035	3.0645	1155.75	1
9280_9280	9280	9280	15.267	1.857	-0.012	-0.084	0.489	-80.469	1
9280_9281	9280	9281	188.3115	-17.5305	0.0975	-0.6855	3.411	1175.42	1
9281_9281	9281	9281	13.557	1.845	-0.03	-0.1545	0.3015	-92.709	1
9281_9282	9281	9282	187.584	-33.249	0.1005	0.597	2.4135	1139.358	1
9282_9282	9282	9282	15.3825	2.04	-0.0645	-0.027	0.0465	-129.522	1
9282_9283	9282	9283	175.5945	-29.1345	0.0525	-0.54	3.312	1180.193	1
9283_9283	9283	9283	13.6725	2.0355	-0.1065	-0.222	-0.762	-146.939	1
9283_9284	9283	9284	177.0285	-22.992	0.0375	1.002	3.1875	1132.874	1
9284_9284	9284	9284	12.0915	2.3775	-0.534	-0.0015	-1.965	-163.641	1
9284_9285	9284	9285	180.3525	-22.2255	1.416	-0.369	17.9985	1103.984	1
9285_9285	9285	9285	10.473	2.337	-0.543	-0.147	-7.1265	-175.782	1
9285_9286	9285	9286	182.292	-27.951	1.5525	0.6315	35.313	1023.042	1
9286_9286	9286	9286	8.991	2.8065	0.4395	0.3345	-12.225	-191.769	1
9286_9287	9286	9287	183.942	-30.4665	-1.5255	-1.5825	30.24	1015.334	1
9287_9287	9287	9287	9.5175	2.811	0.465	0.417	-10.95	-205.476	1
9287_9288	9287	9288	187.3275	-26.805	-1.647	-1.752	17.7975	1010.352	1
9288_9288	9288	9288	73.17	21.576	-2.3025	3.219	11.34	1789.14	1
9288_9289	9288	9289	38.004	-45.039	-2.7315	3.042	-23.163	936.5355	1
9289_9289	9289	9289	78.2205	12.6795	1.407	-0.543	-12.8535	1583.778	1
9289_9290	9289	9290	66.8235	-49.4085	1.542	-0.483	-4.0905	1246.641	1
9290_9290	9290	9290	85.8405	12.7875	1.407	0.621	3.7965	1442.025	1
9290_9291	9290	9291	96.702	-43.9335	1.5165	0.831	14.031	1517.46	1
9291_9291	9291	9291	88.707	11.172	-0.324	-0.8055	20.1675	1311.762	1
9291_9292	9291	9292	107.862	-74.1315	-0.0915	-0.816	13.9155	1650.233	1
9292_9292	9292	9292	103.383	11.199	-0.2205	-0.021	12.7965	1178.826	1
9292_9293	9292	9293	149.2515	-69.345	-0.039	0.1995	9.2475	1720.416	1
9293_9293	9293	9293	99.9765	11.418	-0.219	0.2895	11.031	1111.764	1
9293_9294	9293	9294	166.2465	-64.89	-0.021	0.7605	9.282	1901.379	1
9294_9294	9294	9294	94.266	9.8505	-0.0855	-0.726	9.2775	1048.158	1
9294_9295	9294	9295	175.0125	-68.745	-0.2415	-1.1085	8.511	1999.313	1
9295_9295	9295	9295	78.3285	9.9225	-0.1305	-0.1725	13.7835	1095.995	1
9295_9296	9295	9296	166.008	-63.7575	-0.384	0.2565	9.735	2395.557	1
9296_9296	9296	9296	72.8985	9.885	-0.1305	0.5415	12.528	1019.145	1
9296_9297	9296	9297	178.065	-59.193	-0.3915	1.9185	6.717	2564.882	1
9297_9297	9297	9297	68.5185	9.033	-0.084	-0.591	11.463	958.23	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9297_9298	9297	9298	193.896	-57.4275	-0.0885	-0.9435	6.1275	2786.46	1
9298_9298	9298	9298	62.934	9.033	-0.084	0.3105	10.4955	880.95	1
9298_9299	9298	9299	204.2985	-51.387	-0.1125	1.8975	5.0415	2932.23	1
9299_9299	9299	9299	57.7695	8.3055	-0.1035	-0.6075	9.6765	807.087	1
9299_9300	9299	9300	213.672	-50.6265	-0.0915	-1.416	4.0875	3062.909	1
9300_9300	9300	9300	52.947	8.2965	-0.1035	0.111	8.5665	739.8675	1
9300_9301	9300	9301	218.7045	-43.2135	-0.1095	1.551	2.604	3132.363	1
9301_9301	9301	9301	47.235	7.815	-0.117	-0.6135	7.242	660.8595	1
9301_9302	9301	9302	222.876	-16.071	-0.0945	-2.232	1.8525	3190.379	1
9302_9302	9302	9302	42.2535	7.7865	-0.117	0.081	5.8575	590.5035	1
9302_9303	9302	9303	222.141	-9.195	-0.1035	1.602	0.198	3179.993	1
9303_9303	9303	9303	37.35	7.4175	-0.111	-0.504	4.479	519.4815	1
9303_9304	9303	9304	218.4375	-7.3425	-0.0795	-2.118	-1.0725	3126.899	1
9304_9304	9304	9304	32.3355	7.4175	-0.111	-0.051	3.0825	450.114	1
9304_9305	9304	9305	208.962	-0.5265	-0.084	1.098	-2.3025	2992.526	1
9305_9305	9305	9305	27.9825	7.266	-0.0495	-0.5265	1.8345	385.8645	1
9305_9306	9305	9306	196.1955	1.6545	-0.006	-2.796	-2.442	2810.756	1
9306_9306	9306	9306	23.6715	7.122	-0.0495	-0.1215	1.251	321.18	1
9306_9307	9306	9307	173.415	9.984	-0.0165	0.6945	-2.763	2487.282	1
9307_9307	9307	9307	18.8985	7.1145	0.1635	-0.378	0.5835	251.007	1
9307_9308	9307	9308	145.485	14.6235	0.1185	-1.9005	-1.2435	2089.949	1
9308_9308	9308	9308	14.4795	6.675	0.1605	-0.2115	2.3985	179.337	1
9308_9309	9308	9309	110.8605	31.611	0.105	-0.258	-0.138	1605.003	1
9309_9309	9309	9309	10.5195	5.865	0.42	-0.264	3.921	110.6775	1
9309_9310	9309	9310	67.1265	38.493	0.2445	-1.5555	2.3355	984.0375	1
9310_9310	9310	9310	7.0275	5.037	0.3975	-0.18	8.2935	54.117	1
9310_9311	9310	9311	13.8135	47.745	0.1755	-0.4095	3.372	226.9875	1
9311_9311	9311	9311	7.7295	-18.39	3.3255	-1.1145	-11.0325	11.9955	1
9311_9312	9311	9312	3.8805	-7.3875	3.096	-0.81	0	26.919	1
9400_9020	9400	9020	160.839	-14.142	-19.245	-0.4995	154.9935	-148.778	1
9400_9401	9400	9401	31.5705	1.7985	0.102	0.036	-21.0525	151.3065	1
9401_9401	9401	9401	160.7355	-13.146	-5.5125	1.569	76.7955	-90.8835	1
9401_9402	9401	9402	31.5105	1.914	1.3995	-0.585	-15.882	144.6135	1
9402_9402	9402	9402	160.995	-9.249	-5.8275	0.084	57.549	-45.027	1
9402_9403	9402	9403	31.458	2.6775	1.3365	0.0885	-1.2225	115.383	1
9403_9403	9403	9403	154.005	-4.5195	0.1965	0.285	-4.518	55.956	1
9403_9404	9403	9404	32.04	3.711	0.168	-0.12	-0.0525	89.262	1
9404_9404	9404	9404	154.0695	-0.9345	0.105	0.4095	-3.069	88.5405	1
9404_9405	9404	9405	31.944	4.455	0.147	-0.066	1.026	57.123	1
9405_9405	9405	9405	145.098	3.9825	0.2115	0.2565	-1.005	95.2725	1
9405_9406	9405	9406	33.9495	5.7315	-0.1125	-0.1035	-0.654	-25.3515	1
9406_9406	9406	9406	137.565	8.883	1.953	0.3765	3.195	37.878	1
9406_9407	9406	9407	35.922	7.041	-2.202	-0.207	-20.211	-87.8895	1
9407_9407	9407	9407	137.3565	11.703	1.86	-0.0705	20.4735	-40.764	1
9407_9408	9407	9408	35.769	7.776	-2.2275	0.15	-32.616	-131.099	1
9408_9408	9408	9408	139.4805	-10.983	6.7215	-2.085	-43.9245	-223.946	1
9408_9409	9408	9409	40.917	-0.4005	2.1555	-2.667	-27.0195	-129.875	1
9409_9409	9409	9409	139.914	12.2955	5.3475	2.034	-23.5515	-189.584	1
9409_9410	9409	9410	41.1225	0.783	0.4815	2.613	-25.56	-131.129	1
9410_9410	9410	9410	146.6955	-17.3505	0.8835	-0.1185	-8.343	-226.716	1
9410_9411	9410	9411	39.963	-7.626	1.74	-0.1905	-15.3345	-88.542	1
9411_9411	9411	9411	147.0195	-14.352	0.639	-0.2565	-3.348	-130.295	1
9411_9412	9411	9412	40.113	-6.81	1.671	-0.018	-0.4785	-28.2765	1
9412_9412	9412	9412	155.8695	-9.099	-0.099	-0.2115	1.0215	-3.2565	1
9412_9413	9412	9413	41.5575	-5.367	0.0855	-0.06	0.4875	49.2555	1
9413_9413	9413	9413	166.053	-3.9735	0.165	-0.3795	-1.8345	127.9695	1
9413_9414	9413	9414	42.9945	-3.972	0.2535	-0.078	2.0205	77.889	1
9414_9414	9414	9414	166.101	-0.114	0.0435	-0.2505	-0.6885	156.621	1
9414_9415	9414	9415	43.0755	-2.9715	0.2205	-0.069	3.591	99.303	1
9415_9415	9415	9415	173.1795	4.8915	6.1365	-0.0345	-2.1195	157.452	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9415_9416	9415	9416	41.766	-1.647	2.5995	0.111	31.659	116.8725	1
9416_9416	9416	9416	173.0025	9.1695	6.222	-1.689	64.8675	104.04	1
9416_9417	9416	9417	41.793	-0.6135	2.6205	-0.729	40.827	119.013	1
9417_9417	9417	9417	173.1465	10.038	15.702	0.351	86.1945	72.039	1
9417_9036	9417	9036	41.7495	-0.4755	-0.711	0.0375	38.298	120.984	1
9420_9056	9420	9056	167.325	-11.646	-16.0275	-0.27	123.288	-45.744	1
9420_9421	9420	9421	42.4575	-0.306	0.9465	0.0285	21.651	87.267	1
9421_9421	9421	9421	167.1705	-10.6845	-4.386	1.1595	58.2495	1.9545	1
9421_9422	9421	9422	42.4725	-0.192	-1.41	0.324	16.5855	87.93	1
9422_9422	9422	9422	167.3745	-6.675	-4.5165	0.1605	42.9765	39.216	1
9422_9423	9422	9423	42.4635	0.8265	-1.443	-0.0045	0.849	78.9075	1
9423_9423	9423	9423	158.7015	-1.9065	0.3105	0.219	-4.44	112.0995	1
9423_9424	9423	9424	41.901	2.0685	-0.0705	0.0375	0.756	64.182	1
9424_9424	9424	9424	158.703	1.788	0.174	0.378	-2.157	125.8395	1
9424_9425	9424	9425	41.8425	3.042	-0.1065	0.075	0.006	42.246	1
9425_9425	9425	9425	148.206	6.6555	-0.099	0.2085	0.7155	112.9455	1
9425_9426	9425	9426	39.36	4.335	-0.024	0.0435	0.0825	-20.253	1
9426_9426	9426	9426	139.4925	11.1765	1.209	0.306	0.663	19.5975	1
9426_9427	9426	9427	36.9675	5.6325	-0.696	0.039	-5.6955	-70.134	1
9427_9427	9427	9427	139.236	14.0235	1.023	-0.027	11.3235	-79.383	1
9427_9428	9427	9428	36.8445	6.3855	-0.7455	0.066	-9.882	-105.636	1
9428_9428	9428	9428	132.021	-13.041	6.447	-1.437	-32.6415	-152.144	1
9428_9429	9428	9429	36.1725	-1.2045	-1.2855	-1.6545	-13.536	-102.014	1
9429_9429	9429	9429	132.3795	14.247	5.046	1.4085	-13.1565	-112.149	1
9429_9430	9429	9430	36.1725	1.089	-2.37	1.6365	-20.6895	-105.006	1
9430_9430	9430	9430	139.95	-13.5795	0.1185	-0.1305	1.2405	-147.47	1
9430_9431	9430	9431	33.3345	-5.6925	1.4415	-0.183	-11.5425	-62.7555	1
9431_9431	9431	9431	140.196	-10.728	-0.021	-0.2385	1.929	-71.97	1
9431_9432	9431	9432	33.4455	-5.0145	1.4085	-0.009	0.948	-18.366	1
9432_9432	9432	9432	148.6485	-5.7555	0.045	-0.2175	0.351	23.0205	1
9432_9433	9432	9433	34.2975	-3.813	-0.0225	-0.0585	0.378	36.7545	1
9433_9433	9433	9433	158.739	-0.891	-0.252	-0.3645	-0.5895	106.017	1
9433_9434	9433	9434	35.2455	-2.6655	-0.0045	-0.0825	0.0825	55.962	1
9434_9434	9434	9434	158.715	2.8695	-0.3405	-0.2445	-2.433	112.4355	1
9434_9435	9434	9435	35.2995	-1.83	-0.024	-0.0525	-0.1065	69.156	1
9435_9435	9435	9435	166.653	7.602	4.9305	-0.1245	-6.7875	91.749	1
9435_9436	9435	9436	33.648	-0.7605	2.349	0.039	25.278	77.232	1
9436_9436	9436	9436	166.422	11.7135	4.6635	-1.2705	47.0055	8.796	1
9436_9437	9436	9437	33.66	0.069	2.2935	-0.459	33.252	77.001	1
9437_9437	9437	9437	166.5615	12.576	16.1895	0.303	62.826	-32.1555	1
9437_9072	9437	9072	33.5925	0.1905	-0.786	0.0495	30.6795	76.215	1
9440_9094	9440	9094	167.7675	-12.168	-15.3315	-0.285	108.8505	-64.467	1
9440_9441	9440	9441	37.5585	-0.12	0.5895	-0.0435	25.4475	87.414	1
9441_9441	9441	9441	167.5755	-11.2275	-3.657	1.101	46.7445	-14.625	1
9441_9442	9441	9442	37.6035	0.0135	-1.7985	0.423	18.7185	87.3525	1
9442_9442	9442	9442	167.7975	-7.1625	-3.7155	0.285	33.999	24.561	1
9442_9443	9442	9443	37.5915	0.9255	-1.812	0	-1.0485	77.247	1
9443_9443	9443	9443	158.9955	-2.373	0.2775	0.348	-4.473	102.7575	1
9443_9444	9443	9444	38.349	2.088	0.048	0.0855	-0.318	62.4105	1
9444_9444	9444	9444	159.009	1.2525	0.309	0.3795	-2.475	119.8455	1
9444_9445	9444	9445	38.292	2.9625	0.057	0.0795	0.0855	41.0385	1
9445_9445	9445	9445	148.881	6.1785	-0.1665	0.2565	1.4775	110.802	1
9445_9446	9445	9446	36.9435	4.224	0.0225	0.0705	0.759	-19.767	1
9446_9446	9446	9446	140.454	11.1	0.708	0.351	0.543	21.7365	1
9446_9447	9446	9447	35.715	5.493	-0.9735	0.081	-7.524	-68.493	1
9447_9447	9447	9447	140.187	14.0955	0.3435	0.015	6.7275	-76.605	1
9447_9448	9447	9448	35.5875	6.2535	-1.068	0.072	-13.53	-103.194	1
9448_9448	9448	9448	132.1875	-14.253	-5.1555	-0.7845	10.185	-156.015	1
9448_9449	9448	9449	36.3555	-1.3845	-0.408	-2.529	-14.976	-99.084	1
9449_9449	9449	9449	131.898	13.0335	-5.5455	0.792	-5.412	-113.072	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9449_9450	9449	9450	36.3105	1.137	-1.5645	2.613	-19.7265	-102.42	1
9450_9450	9450	9450	134.388	-13.2465	-0.87	-0.1305	12.9405	-145.515	1
9450_9451	9450	9451	32.3145	-6.2715	1.4145	-0.054	-11.085	-67.452	1
9451_9451	9451	9451	134.6325	-10.4805	-0.8265	-0.2745	8.0925	-71.871	1
9451_9452	9451	9452	32.436	-5.6055	1.4265	0.195	1.5375	-17.8005	1
9452_9452	9452	9452	143.439	-5.772	0.138	-0.249	-0.711	20.9655	1
9452_9453	9452	9453	30.9045	-4.404	-0.081	0.1155	0.3075	46.0995	1
9453_9453	9453	9453	153.942	-1.113	-0.2385	-0.396	-0.4245	104.178	1
9453_9454	9453	9454	29.1615	-3.282	0.0495	0.105	0.6465	69.7575	1
9454_9454	9454	9454	153.93	2.1525	-0.264	-0.315	-2.1015	117.819	1
9454_9455	9454	9455	29.2305	-2.5905	0.042	0.1065	0.942	88.4355	1
9455_9455	9455	9455	163.6185	7.1325	3.276	-0.309	-6.2625	93.9255	1
9455_9456	9455	9456	28.689	-1.629	-1.0575	0	-10.5705	105.615	1
9456_9456	9456	9456	163.4025	11.052	3.1275	-1.002	29.5125	16.0215	1
9456_9457	9456	9457	28.719	-0.9405	-1.0845	0.3525	-14.3745	108.8925	1
9457_9457	9457	9457	163.581	11.982	16.0965	0.258	39.462	-22.554	1
9457_9110	9457	9110	28.797	-0.822	-0.216	-0.048	-15.726	112.2645	1
9460_9132	9460	9132	193.533	-15.5805	-13.8675	-0.2235	96.513	-71.1555	1
9460_9461	9460	9461	46.071	-1.3965	0.8475	-0.039	24.333	90.3045	1
9461_9461	9461	9461	193.431	-14.544	-3.3315	1.002	40.584	-7.368	1
9461_9462	9461	9462	46.101	-1.1925	-1.758	0.471	17.6925	94.4595	1
9462_9462	9462	9462	193.728	-9.897	-3.1575	0.267	28.965	43.3695	1
9462_9463	9462	9463	46.1175	-0.0855	-1.7145	-0.0405	-1.056	95.394	1
9463_9463	9463	9463	186.951	-4.2765	0.2475	0.285	-3.516	151.4505	1
9463_9464	9463	9464	47.8845	1.386	0.06	0.0525	-0.3135	85.7865	1
9464_9464	9464	9464	187.0005	0.0705	0.2475	0.3255	-1.7265	182.2665	1
9464_9465	9464	9465	47.838	2.499	0.06	0.06	0.126	67.7655	1
9465_9465	9465	9465	179.358	6.099	-0.0165	0.1575	1.5675	181.752	1
9465_9466	9465	9466	47.631	4.1475	0.018	0.03	0.6285	8.037	1
9466_9466	9466	9466	173.142	12.126	-0.942	0.075	2.739	93.879	1
9466_9467	9466	9467	47.5935	5.8095	-0.501	0.012	-3.567	-43.4595	1
9467_9467	9467	9467	172.848	15.7605	-1.143	0.1785	-5.6085	-13.5915	1
9467_9468	9467	9468	47.46	6.8085	-0.558	0.039	-6.687	-81.297	1
9468_9468	9468	9468	168.6105	-19.101	-4.332	-0.009	-12.105	-113.201	1
9468_9469	9468	9469	48.6495	-3.3645	0.0735	-0.942	-6.639	-71.1285	1
9469_9469	9469	9469	153.3765	18.8895	4.7685	-0.48	-22.7625	-8.415	1
9469_9470	9469	9470	41.0325	3.4065	0.5385	0.651	-4.878	-49.6275	1
9470_9470	9470	9470	158.682	-13.0455	0.663	-0.147	-8.382	-57.96	1
9470_9471	9470	9471	40.8555	-5.2065	0.366	-0.051	-2.772	-20.6295	1
9471_9471	9471	9471	158.916	-9.7785	0.8475	-0.0675	-4.6935	14.5395	1
9471_9472	9471	9472	40.9545	-4.365	0.414	0.0285	0.882	18.0195	1
9472_9472	9472	9472	165.558	-4.1805	0.009	-0.1455	1.4055	101.1255	1
9472_9473	9472	9473	41.6115	-2.913	-0.015	-0.009	0.3885	60.018	1
9473_9473	9473	9473	173.6205	1.275	-0.2325	-0.3045	0.0015	161.4045	1
9473_9474	9473	9474	42.324	-1.5	0.018	-0.027	0.225	70.7655	1
9474_9474	9474	9474	173.5515	4.9215	-0.219	-0.261	-1.6005	158.3415	1
9474_9475	9474	9475	42.348	-0.5145	0.018	-0.0315	0.3555	74.4795	1
9475_9475	9475	9475	181.7985	10.512	2.337	-0.3015	-5.166	113.955	1
9475_9476	9475	9476	42.0705	0.7725	0.702	-0.0195	7.7775	65.724	1
9476_9476	9476	9476	181.4955	14.871	2.1735	-0.7905	20.3475	-0.8385	1
9476_9477	9476	9477	42.0405	1.782	0.663	-0.1455	10.074	59.511	1
9477_9477	9477	9477	181.638	15.84	13.977	0.186	26.7375	-52.701	1
9477_9148	9477	9148	42.0465	1.905	-1.083	-0.033	5.6925	51.714	1
9480_9168	9480	9168	184.989	-15.474	-14.4045	-0.255	86.253	-97.974	1
9480_9481	9480	9481	46.764	-1.776	0.885	0.0195	10.8765	76.6935	1
9481_9481	9481	9481	184.83	-14.6205	-2.3475	0.78	28.404	-34.6395	1
9481_9482	9481	9482	46.7535	-1.6695	-0.7605	0.2055	8.232	82.5255	1
9482_9482	9482	9482	185.1375	-9.9975	-2.3475	0.276	20.2065	16.4985	1
9482_9483	9482	9483	46.7805	-0.501	-0.7605	0	-0.063	87.9915	1
9483_9483	9483	9483	176.3505	-4.707	0.357	0.141	-3.708	125.5695	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9483_9484	9483	9484	46.887	0.924	0.0225	-0.027	0.3645	81.3915	1
9484_9484	9484	9484	176.4135	-0.606	0.114	0.387	-1.0575	159.492	1
9484_9485	9484	9485	46.8525	2.013	-0.0435	0.0765	0.0945	66.876	1
9485_9485	9485	9485	167.8215	5.0055	0.0495	0.129	1.146	163.86	1
9485_9486	9485	9486	45.9195	3.588	0.0375	0.0045	0.9075	15.1365	1
9486_9486	9486	9486	160.542	10.7325	-1.0785	0.045	3.1995	91.6845	1
9486_9487	9486	9487	44.976	5.2215	-0.594	-0.0465	-4.047	-31.224	1
9487_9487	9487	9487	160.2885	14.0325	-0.7785	0.1815	-6.348	-3.3465	1
9487_9488	9487	9488	44.8605	6.147	-0.5085	0.093	-6.846	-65.385	1
9488_9488	9488	9488	154.5795	-18.0825	-5.9265	0.36	-10.794	-89.1225	1
9488_9489	9488	9489	44.9625	-3.2565	-0.9705	-0.822	-9.924	-55.536	1
9489_9489	9489	9489	156.084	19.206	5.601	-0.3255	-28.1955	-12.798	1
9489_9490	9489	9490	39.195	3.012	0.201	0.8955	-7.0485	-59.1645	1
9490_9490	9490	9490	161.8005	-13.635	0.8955	-0.1785	-11.2665	-70.8555	1
9490_9491	9490	9491	38.559	-5.172	0.5205	-0.0915	-3.975	-30.0435	1
9491_9491	9491	9491	162.051	-10.2315	1.083	-0.051	-6.291	4.9215	1
9491_9492	9491	9492	38.658	-4.3605	0.567	0.027	1.029	8.601	1
9492_9492	9492	9492	169.17	-4.581	-0.0705	-0.135	1.9725	95.6055	1
9492_9493	9492	9493	39.0315	-3.0045	-0.0405	-0.021	0.2385	51.9315	1
9493_9493	9493	9493	177.636	1.1235	-0.1065	-0.393	-0.3585	161.6085	1
9493_9494	9493	9494	39.4755	-1.6635	0.006	-0.0855	0.1125	63.9255	1
9494_9494	9494	9494	177.5625	5.2515	-0.3525	-0.153	-1.2105	153.5085	1
9494_9495	9494	9495	39.5025	-0.7455	-0.0495	0.0015	-0.273	69.297	1
9495_9495	9495	9495	186.117	10.6845	2.4195	-0.2805	-5.4315	115.6665	1
9495_9496	9495	9496	38.7225	0.4785	1.056	-0.0135	11.103	63.8025	1
9496_9496	9496	9496	185.8245	14.961	2.253	-0.765	21.006	-1.1085	1
9496_9497	9496	9497	38.703	1.368	1.0215	-0.21	14.637	59.0475	1
9497_9497	9497	9497	185.91	16.1085	14.838	0.3	27.7575	-53.1375	1
9497_9184	9497	9184	38.6895	1.5255	-0.966	-0.0045	10.911	52.803	1
9500_9204	9500	9204	182.4735	-12.294	-17.283	-0.5835	111.135	-29.1555	1
9500_9501	9500	9501	35.955	-0.0765	0.4665	0.0285	13.764	85.017	1
9501_9501	9501	9501	182.3325	-11.2725	-2.8545	0.9795	41.3475	21.2235	1
9501_9502	9501	9502	35.9595	0.0465	-0.8085	0.081	10.8135	84.8655	1
9502_9502	9502	9502	182.541	-6.897	-3.3675	0.399	31.458	60.5145	1
9502_9503	9502	9503	35.946	0.909	-0.9105	0.063	0.933	74.9265	1
9503_9503	9503	9503	172.3785	-1.629	0.0765	0.4485	-3.7065	135.8235	1
9503_9504	9503	9504	35.736	2.004	-0.09	0.0945	0.477	60.795	1
9504_9504	9504	9504	172.3695	2.3775	0.3165	0.3165	-3.216	147.567	1
9504_9505	9504	9505	35.6805	2.8335	-0.039	0	0.1665	40.3575	1
9505_9505	9505	9505	161.706	7.83	-0.015	0.24	0.48	130.4205	1
9505_9506	9505	9506	34.4025	4.008	-0.015	0.033	0.18	-17.385	1
9506_9506	9506	9506	152.478	13.1475	0.4455	0.2895	1.476	17.5965	1
9506_9507	9506	9507	33.1485	5.175	-0.9735	0.0105	-8.25	-63.363	1
9507_9507	9507	9507	152.169	16.3485	0.228	0.042	5.364	-98.94	1
9507_9508	9507	9508	33.0315	5.8695	-1.023	0.096	-13.9725	-95.976	1
9508_9508	9508	9508	143.8695	-14.391	-6.51	-1.896	7.8285	-189.806	1
9508_9509	9508	9509	35.4555	-1.9155	1.8795	-1.9815	-11.196	-74.319	1
9509_9509	9509	9509	143.631	13.365	-6.8595	1.665	-11.799	-146.61	1
9509_9510	9509	9510	35.4915	2.1255	1.1445	1.9875	-7.74	-80.805	1
9510_9510	9510	9510	133.683	-16.3305	2.334	0.1725	-30.6255	-187.067	1
9510_9511	9510	9511	36.018	-5.364	0.582	-0.069	-4.2885	-50.9385	1
9511_9511	9511	9511	133.995	-13.578	2.0865	0.366	-17.571	-96.324	1
9511_9512	9511	9512	36.1215	-4.6215	0.5145	-0.0705	0.3	-10.02	1
9512_9512	9512	9512	138.042	-1.5105	0.072	-0.3045	-0.3855	51.408	1
9512_9513	9512	9513	37.8015	-3.33	0.0255	-0.0645	0.4065	38.1	1
9513_9513	9513	9513	148.0335	2.4075	-0.216	-0.42	-0.7035	79.3845	1
9513_9514	9513	9514	39.561	-2.043	0.0495	-0.0735	0.4365	52.8045	1
9514_9514	9514	9514	147.9375	5.847	-0.1995	-0.375	-2.2695	62.022	1
9514_9515	9514	9515	39.5985	-1.1235	0.054	-0.09	0.8235	60.897	1
9515_9515	9515	9515	157.296	10.4445	3.1425	-0.2895	-5.142	19.8765	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9515_9516	9515	9516	40.305	0.075	1.017	-0.042	11.628	59.721	1
9516_9516	9516	9516	157.002	14.2155	3.0345	-1.056	29.1855	-94.2015	1
9516_9517	9516	9517	40.2915	1.0425	0.9885	-0.279	15.06	56.088	1
9517_9517	9517	9517	157.2855	15.21	17.568	0.8115	39.042	-143.807	1
9517_9220	9517	9220	40.2915	1.1775	0.561	-0.0045	17.3535	51.2715	1
9520_9240	9520	9240	179.136	-16.3575	-3.081	-1.446	66.4755	-189.377	1
9520_9521	9520	9521	49.11	-1.5195	1.2315	0.396	39.0195	74.4525	1
9521_9521	9521	9521	179.0595	-15.2895	-2.79	1.338	53.8305	-121.857	1
9521_9522	9521	9522	49.8435	-1.257	-2.262	0.639	30.93	78.849	1
9522_9522	9522	9522	179.3745	-10.995	-2.7765	0.2865	44.1165	-68.502	1
9522_9523	9522	9523	49.86	-0.063	-2.2575	-0.108	6.2685	79.5375	1
9523_9523	9523	9523	172.611	-5.4585	-0.648	0.525	14.3235	51.753	1
9523_9524	9523	9524	50.9505	1.4505	-0.3405	0.075	3.9855	69.213	1
9524_9524	9524	9524	172.689	-1.4505	-0.9885	0.4815	9.729	91.056	1
9524_9525	9524	9525	50.9025	2.6325	-0.4425	0.12	0.843	50.232	1
9525_9525	9525	9525	163.812	4.1805	-0.399	0.387	3.2715	101.517	1
9525_9526	9525	9526	50.28	4.3695	-0.3375	0.0975	-3.879	-12.7785	1
9526_9526	9526	9526	155.4675	9.993	-2.8695	0.267	-1.7175	41.2155	1
9526_9527	9526	9527	49.917	6.339	-2.697	0.036	-27.552	-68.895	1
9527_9527	9527	9527	155.226	13.1085	-3.357	0.669	-27.171	-47.1885	1
9527_9528	9527	9528	49.7715	7.3365	-2.8575	0.381	-43.5285	-109.659	1
9528_9528	9528	9528	148.4775	-18.2175	-4.587	-7.2495	-44.916	-119.846	1
9528_9529	9528	9529	50.9145	-3.459	0.654	-5.538	-41.667	-98.754	1
9529_9529	9529	9529	147.447	15.222	-9.12	7.281	-58.818	-68.298	1
9529_9530	9529	9530	50.4195	2.406	-2.49	5.7735	-49.242	-108.6	1
9530_9530	9530	9530	144.159	-10.392	-3.945	0.366	67.7115	-73.617	1
9530_9531	9530	9531	45.132	-7.35	3.0945	-0.24	-31.239	-66.867	1
9531_9531	9531	9531	144.333	-7.464	-4.224	-0.5925	45.7845	-15.777	1
9531_9532	9531	9532	45.2775	-6.435	3.0045	0.267	-4.581	-9.903	1
9532_9532	9532	9532	152.073	-1.956	-0.177	-0.408	6.936	50.5035	1
9532_9533	9532	9533	45.636	-4.4955	0.039	-0.054	1.1115	49.155	1
9533_9533	9533	9533	160.431	3.033	0.432	-0.519	2.934	81.5085	1
9533_9534	9533	9534	47.88	-2.949	0.2385	-0.1785	2.4105	70.4055	1
9534_9534	9534	9534	160.317	6.7815	-0.1065	-0.4575	5.97	59.6535	1
9534_9535	9534	9535	47.9355	-1.8285	0.0735	0.0045	2.8605	83.5905	1
9535_9535	9535	9535	168.882	11.85	-0.7245	-0.39	3.831	10.8855	1
9535_9536	9535	9536	50.199	-0.4005	-0.165	-0.153	0.6525	87.552	1
9536_9536	9536	9536	168.5475	15.8985	-1.0545	-0.531	-4.0215	-118.569	1
9536_9537	9536	9537	50.193	0.804	-0.2655	0.0075	-0.327	84.7485	1
9537_9537	9537	9537	167.1525	17.5215	7.1145	5.802	-8.9145	-172.841	1
9537_9254	9537	9254	50.007	1.011	0.9585	0.7275	3.2085	80.7465	1
9540_9275	9540	9275	180.0165	-16.1505	-12.4215	-0.339	134.496	-225.618	1
9540_9541	9540	9541	51.606	-2.469	3.075	0.6735	30.4905	65.4615	1
9541_9541	9541	9541	176.8665	-15.774	-4.587	2.1705	83.232	-158.372	1
9541_9542	9541	9542	53.469	-1.737	-1.383	0.4785	25.524	71.454	1
9542_9542	9542	9542	177.183	-11.5305	-5.013	0.3045	67.1895	-103.394	1
9542_9543	9542	9543	53.4915	-0.4545	-1.5135	0.0405	9.054	76.3965	1
9543_9543	9543	9543	171.1365	-6.4785	-0.5355	0.699	12.5295	22.83	1
9543_9544	9543	9544	53.562	1.1295	-0.486	0.1425	5.6895	68.373	1
9544_9544	9544	9544	171.2385	-2.5815	-0.702	0.57	8.7135	69.504	1
9544_9545	9544	9545	53.523	2.3475	-0.5385	0.0795	1.8255	51.4215	1
9545_9545	9545	9545	164.1045	2.532	-0.9525	0.522	4.1505	81.7695	1
9545_9546	9545	9546	52.3695	4.1955	-0.597	0.1125	-6.63	-9.0915	1
9546_9546	9546	9546	158.3055	8.793	-5.2365	0.2325	-9.0075	45.084	1
9546_9547	9546	9547	51.9105	6.4155	-3.2475	-0.0135	-35.1405	-65.976	1
9547_9547	9547	9547	158.0925	11.946	-5.403	1.3035	-55.365	-32.7405	1
9547_9548	9547	9548	51.7695	7.449	-3.303	0.6195	-53.547	-107.409	1
9548_9548	9548	9548	151.7115	-19.7055	-2.616	-13.7475	-85.5255	-112.919	1
9548_9549	9548	9549	51.348	-3.825	0.5325	-8.127	-51.939	-94.9305	1
9549_9549	9549	9549	149.8965	14.091	-9.903	14.1315	-93.837	-63.2205	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9549_9550	9549	9550	50.478	1.938	-3.5655	8.484	-62.841	-106.263	1
9550_9550	9550	9550	146.814	-12.8865	-5.9445	0.8715	106.368	-95.208	1
9550_9551	9550	9551	43.065	-7.368	3.8565	-0.369	-40.3365	-62.772	1
9551_9551	9551	9551	147.051	-9.498	-6.423	-0.8715	72.762	-22.1745	1
9551_9552	9551	9552	43.2345	-6.381	3.711	0.36	-9.0015	-9.1035	1
9552_9552	9552	9552	150.9	-2.5845	-0.978	-0.531	17.2515	58.3935	1
9552_9553	9552	9553	42.5325	-5.0565	0.8835	0.135	3.882	62.055	1
9553_9553	9553	9553	156.144	3.3225	0.1695	-0.5325	2.061	94.8915	1
9553_9554	9553	9554	41.187	-3.5205	-0.048	0.117	3.6885	86.778	1
9554_9554	9554	9554	156.0075	7.3245	0.216	-0.6375	3.2505	71.505	1
9554_9555	9554	9555	41.2635	-2.463	-0.036	-0.003	3.45	104.115	1
9555_9555	9555	9555	161.193	13.1145	0.519	-0.3885	3.4875	21.1785	1
9555_9556	9555	9556	39.7695	-0.9825	-0.483	-0.042	-1.6155	114.384	1
9556_9556	9556	9556	160.776	17.499	0.3435	-0.7665	9.033	-118.595	1
9556_9557	9556	9557	39.7815	0.102	-0.528	0.129	-3.456	114.036	1
9557_9557	9557	9557	159.108	19.6155	4.3485	3.7455	9.4455	-176.505	1
9557_9288	9557	9288	39.8835	0.318	-0.921	-1.1535	-8.622	111.663	1
49000_9000	49000	9000	4.431	39.6285	-4.218	-11.166	0	35.9115	1
49000_9001	49000	9001	1.4865	8.571	-4.5975	-1.971	-38.154	-56.667	1
49001_9001	49001	9001	4.425	39.6285	-4.224	-11.574	-35.0115	-292.997	1
49001_9002	49001	9002	1.4805	8.571	-4.599	-2.049	-79.056	-132.9	1
49002_9002	49002	9002	4.422	40.1505	2.1195	-10.788	-72.582	-645.453	1
49002_9003	49002	9003	1.476	8.2815	2.106	-2.1105	-53.6145	-232.958	1
49003_9003	49003	9003	4.425	40.1505	2.112	-12.7695	-46.9755	-1130.58	1
49003_9004	49003	9004	1.4805	8.2815	2.103	-2.5185	-28.188	-333.071	1
49004_9004	49004	9004	4.4265	42.669	0.3465	-8.667	-21.447	-1616	1
49004_9005	49004	9005	1.4805	8.5035	0.006	-2.0115	-28.116	-435.785	1
49005_9005	49005	9005	4.4265	42.669	0.339	-12.3975	-17.2665	-2131.38	1
49005_9006	49005	9006	1.4805	8.5035	0.003	-2.7735	-28.0755	-538.557	1
49006_9006	49006	9006	4.4265	46.512	-0.1425	-6.246	-13.1775	-2647.09	1
49006_9007	49006	9007	1.4805	8.5125	-0.4725	-1.8915	-33.78	-641.426	1
49007_9007	49007	9007	4.4265	46.512	-0.1455	-8.8785	-14.8995	-3209.18	1
49007_9008	49007	9008	1.479	8.5125	-0.4725	-2.418	-39.498	-744.284	1
49008_9008	49008	9008	4.425	38.448	-0.36	-3.3645	-16.665	-3771.21	1
49008_9009	49008	9009	1.4775	8.7225	-0.5055	-1.8405	-45.609	-849.734	1
49009_9009	49009	9009	4.4265	-8.022	-0.36	-2.9145	-21.0255	-4236.04	1
49009_9010	49009	9010	1.479	8.7225	-0.5055	-1.7505	-51.714	-955.103	1
49010_9010	49010	9010	4.425	-10.464	-0.729	5.3865	-25.3755	-4139.13	1
49010_9011	49010	9011	1.4775	9.051	-0.525	-0.423	-58.0545	-1064.5	1
49011_9011	49011	9011	4.4235	-30.2955	-0.7365	-1.2015	-34.194	-4012.65	1
49011_9012	49011	9012	1.476	9.051	-0.5265	-2.1705	-64.422	-1173.88	1
49012_9012	49012	9012	4.422	-60.0045	-1.218	8.703	-43.0995	-3646.55	1
49012_9013	49012	9013	1.476	9.4905	-0.486	0.417	-70.299	-1288.56	1
49013_9013	49013	9013	4.4205	-60.0045	-1.2255	3.903	-57.822	-2921.49	1
49013_9014	49013	9014	1.476	9.4905	-0.489	-1.6995	-76.203	-1403.22	1
49014_9014	49014	9014	4.4205	-56.4105	0.519	8.7195	-72.6285	-2196.57	1
49014_9015	49014	9015	1.4745	9.9915	-0.291	0.6855	-80.7285	-1558.54	1
49015_9015	49015	9015	4.9605	-63.1125	0.4305	6.5055	-66.144	-1649.18	1
49015_9016	49015	9016	1.3845	10.0035	-0.294	-0.897	-83.16	-1640.22	1
49016_9016	49016	9016	6.0855	-76.7385	2.2335	8.8935	-62.6235	-2050.08	1
49016_9017	49016	9017	1.1955	10.2885	0.2505	2.5665	-76.3425	-1718.41	1
49017_9017	49017	9017	8.196	-89.601	2.1825	4.8945	-34.9755	-2091.87	1
49017_9018	49017	9018	0.9405	10.314	0.2475	0.6195	-73.167	-1855.42	1
49018_9018	49018	9018	10.584	-94.626	-4.521	6.648	-8.5395	-1510.2	1
49018_9019	49018	9019	0.693	-2.9385	0.021	-0.552	46.401	687.6615	1
49019_9019	49019	9019	13.362	-100.908	-3.7635	6.1095	-62.007	-939.54	1
49019_9020	49019	9020	0.7695	-3.0255	0.021	-0.6345	47.7735	748.116	1
49020_9020	49020	9020	30.8595	-1.659	0.7005	1.0755	-65.886	-312.282	1
49020_9021	49020	9021	148.119	6.3525	-7.401	-4.9035	211.2135	33.72	1
49021_9021	49021	9021	30.861	-1.659	0.6285	0.24	-59.235	-289.062	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49021_9022	49021	9022	148.101	6.3525	-7.7415	-2.955	151.2975	20.3595	1
49022_9022	49022	9022	30.861	-1.659	0.66	0.5145	-54.369	-276.224	1
49022_9023	49022	9023	148.11	6.3525	-7.596	-2.976	92.358	-28.9395	1
49023_9023	49023	9023	30.861	-1.506	0.7635	0.96	-49.251	-263.349	1
49023_9024	49023	9024	148.08	6.8175	-2.5095	-3.8865	72.285	-83.4735	1
49024_9024	49024	9024	30.861	-1.506	0.7635	0.96	-43.146	-251.306	1
49024_9025	49024	9025	148.08	6.8175	-2.5095	-3.8865	52.2135	-138.012	1
49025_9025	49025	9025	30.8625	-1.506	0.7245	0.663	-37.0425	-239.262	1
49025_9026	49025	9026	148.0755	6.8175	-2.6925	-4.0575	30.672	-192.539	1
49026_9026	49026	9026	30.8625	-1.47	0.7335	1.296	-31.245	-227.219	1
49026_9027	49026	9027	148.074	7.2435	-1.539	-2.892	21.4425	-235.974	1
49027_9027	49027	9027	30.864	-1.47	0.6765	0.894	-26.85	-218.403	1
49027_9028	49027	9028	148.071	7.2435	-1.812	-3.327	10.563	-279.47	1
49028_9028	49028	9028	30.864	-1.47	0.681	0.933	-22.791	-209.571	1
49028_9029	49028	9029	148.0725	7.2435	-1.785	-3.276	-0.1365	-322.899	1
49029_9029	49029	9029	30.864	-1.47	0.6765	0.8955	-18.7035	-200.756	1
49029_9030	49029	9030	148.071	7.2435	-1.812	-3.3345	-11.0145	-366.401	1
49030_9030	49030	9030	30.8655	-1.41	0.6795	1.236	-14.6445	-191.927	1
49030_9031	49030	9031	148.0665	7.524	-2.5845	-2.544	-31.6785	-426.557	1
49031_9031	49031	9031	30.8655	-1.41	0.6795	1.236	-9.21	-180.656	1
49031_9032	49031	9032	148.0665	7.524	-2.5845	-2.544	-52.3425	-486.717	1
49032_9032	49032	9032	30.8655	-1.41	0.6375	1.002	-3.7755	-169.388	1
49032_9033	49032	9033	148.0635	7.524	-2.7885	-3.213	-74.6595	-546.941	1
49033_9033	49033	9033	30.8685	-1.5075	1.104	1.2465	1.326	-158.106	1
49033_9034	49033	9034	148.0515	7.7535	-5.211	-0.684	-115.062	-607.064	1
49034_9034	49034	9034	30.8685	-1.5075	1.104	1.2465	9.888	-146.415	1
49034_9035	49034	9035	148.0515	7.7535	-5.211	-0.684	-155.465	-667.175	1
49035_9035	49035	9035	30.8715	-1.5075	1.0305	1.1805	18.4515	-142.395	1
49035_9036	49035	9036	148.0395	7.7535	-5.565	-3.6585	-208.331	-777.599	1
49036_9036	49036	9036	61.0485	69.4455	4.5945	-10.4895	-104.447	1952.751	1
49036_9037	49036	9037	37.941	-16.752	0.6945	-1.689	-61.6575	-1980.37	1
49037_9037	49037	9037	59.2365	69.282	4.428	-6.5115	-47.325	1152.668	1
49037_9038	49037	9038	38.3715	-15.7455	0.597	-4.9365	-53.8185	-1782.95	1
49038_9038	49038	9038	57.4755	72.198	-1.7865	-8.175	8.097	283.956	1
49038_9039	49038	9039	38.766	-14.46	-0.2475	-0.9165	-57.3465	-1591.2	1
49039_9039	49039	9039	55.662	73.6035	-1.8855	-8.844	-15.759	-668.406	1
49039_9040	49039	9040	39.1125	-13.4925	-0.321	-2.394	-61.044	-1428.7	1
49040_9040	49040	9040	54.4815	71.88	-1.4745	-8.154	-38.9565	-1165.19	1
49040_9041	49040	9041	39.345	-12.2955	-0.2025	-0.9255	-62.7495	-1327.33	1
49041_9041	49041	9041	53.8365	59.586	-1.4685	-7.074	-51.192	-1743.02	1
49041_9042	49041	9042	39.453	-11.943	-0.198	-0.15	-65.7465	-1135.72	1
49042_9042	49042	9042	53.835	8.5695	0.2295	-1.998	-73.395	-2643.94	1
49042_9043	49042	9043	39.453	-11.307	0.4185	1.0215	-60.774	-1001.36	1
49043_9043	49043	9043	53.835	8.5695	0.189	-4.0815	-70.6695	-2745.78	1
49043_9044	49043	9044	39.453	-11.307	0.3885	0.261	-56.1615	-867.117	1
49044_9044	49044	9044	53.8365	-11.868	0.1335	2.898	-68.4345	-2847.51	1
49044_9045	49044	9045	39.4545	-10.92	0.303	1.59	-52.566	-737.379	1
49045_9045	49045	9045	53.8365	-40.8855	0.0885	0.6285	-66.8475	-2706.53	1
49045_9046	49045	9046	39.4545	-10.92	0.27	0.972	-49.365	-607.653	1
49046_9046	49046	9046	53.8365	-36.2595	0.0735	5.9145	-65.799	-2220.85	1
49046_9047	49046	9047	39.4545	-10.707	0.2625	1.905	-46.239	-480.492	1
49047_9047	49047	9047	53.8365	-36.2595	0.0285	4.413	-64.9185	-1790.19	1
49047_9048	49047	9048	39.4545	-10.707	0.2295	1.5015	-43.5075	-353.34	1
49048_9048	49048	9048	53.8365	-33.2625	-0.006	6.957	-64.575	-1359.57	1
49048_9049	49048	9049	39.456	-10.6365	0.21	1.9695	-41.0055	-227.042	1
49049_9049	49049	9049	53.8365	-33.2625	-0.051	6.147	-64.647	-964.596	1
49049_9050	49049	9050	39.456	-10.6365	0.177	1.779	-38.8965	-100.749	1
49050_9050	49050	9050	53.8365	-31.815	0.9735	6.3105	-65.2545	-569.657	1
49050_9051	49050	9051	39.456	-10.7685	0.4755	1.644	-31.689	62.2275	1
49051_9051	49051	9051	54.108	-31.353	0.9225	6.7425	-50.4765	-92.9265	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49051_9052	49051	9052	39.5475	-10.431	0.4395	2.0115	-28.0485	144.7845	1
49052_9052	49052	9052	54.606	-30.2865	0.966	4.893	-42.813	165.6765	1
49052_9053	49052	9053	39.72	-10.1145	0.435	1.1265	-22.926	263.646	1
49053_9053	49053	9053	55.3635	-28.878	0.954	6.117	-31.299	504.5025	1
49053_9054	49053	9054	39.966	-9.0945	0.426	1.908	-17.217	371.781	1
49054_9054	49054	9054	56.0685	-27.15	-1.7265	3.972	-18.672	887.6835	1
49054_9055	49054	9055	40.191	-8.1855	0.162	1.074	-15.2235	474.369	1
49055_9055	49055	9055	56.787	-28.317	-2.0325	6.468	-42.5835	1287.191	1
49055_9056	49055	9056	40.392	-7.1325	0.1305	1.848	-13.506	563.9775	1
49056_9056	49056	9056	29.991	-1.845	0.3945	1.113	-32.8935	-277.8	1
49056_9057	49056	9057	123.504	8.388	-6.882	-4.347	180.7695	128.0505	1
49057_9057	49057	9057	29.9925	-1.845	0.3405	0.624	-29.1435	-258.561	1
49057_9058	49057	9058	123.492	8.388	-7.104	-3.711	125.6955	70.071	1
49058_9058	49058	9058	29.9925	-1.845	0.3015	0.309	-26.502	-244.254	1
49058_9059	49058	9059	123.4815	8.388	-7.263	-3.621	69.3945	5.049	1
49059_9059	49059	9059	29.9925	-1.7205	0.2445	1.101	-24.1605	-229.947	1
49059_9060	49059	9060	123.465	8.7105	-2.0055	-4.2405	53.37	-64.569	1
49060_9060	49060	9060	29.9925	-1.7205	0.204	0.81	-22.2075	-216.195	1
49060_9061	49060	9061	123.462	8.7105	-2.1705	-4.326	36.0045	-134.258	1
49061_9061	49061	9061	29.9925	-1.7205	0.204	0.81	-20.574	-202.427	1
49061_9062	49061	9062	123.462	8.7105	-2.1705	-4.326	18.6375	-203.954	1
49062_9062	49062	9062	29.994	-1.6875	0.1335	0.9915	-18.939	-188.66	1
49062_9063	49062	9063	123.456	9.0645	-1.5885	-3.6135	9.096	-258.381	1
49063_9063	49063	9063	29.994	-1.6875	0.186	1.3095	-18.1395	-178.52	1
49063_9064	49063	9064	123.459	9.0645	-1.3695	-3.153	0.8895	-312.741	1
49064_9064	49064	9064	29.994	-1.6875	0.087	0.75	-17.0205	-168.402	1
49064_9065	49064	9065	123.4545	9.0645	-1.779	-4.194	-9.7785	-367.071	1
49065_9065	49065	9065	29.994	-1.6875	0.1335	0.9945	-16.5	-158.28	1
49065_9066	49065	9066	123.456	9.0645	-1.5885	-3.627	-19.3215	-421.515	1
49066_9066	49066	9066	29.994	-1.644	0.1605	1.245	-15.7005	-148.146	1
49066_9067	49066	9067	123.453	9.3255	-2.2185	-2.778	-37.071	-496.112	1
49067_9067	49067	9067	29.994	-1.644	0.123	1.077	-14.421	-134.996	1
49067_9068	49067	9068	123.45	9.3255	-2.373	-3.3975	-56.052	-570.701	1
49068_9068	49068	9068	29.994	-1.644	0.123	1.077	-13.4415	-121.845	1
49068_9069	49068	9069	123.45	9.3255	-2.373	-3.3975	-75.0315	-645.294	1
49069_9069	49069	9069	29.997	-1.737	0.6615	1.2	-12.4605	-108.698	1
49069_9070	49069	9070	123.438	9.675	-4.347	-1.5585	-108.711	-720.263	1
49070_9070	49070	9070	29.997	-1.737	0.66	1.1925	-7.332	-95.2425	1
49070_9071	49070	9071	123.438	9.675	-4.3575	-1.6215	-142.518	-795.323	1
49071_9071	49071	9071	29.9985	-1.737	0.606	1.089	-2.2185	-83.8215	1
49071_9072	49071	9072	123.4305	9.675	-4.5765	-3.345	-186	-895.665	1
49072_9072	49072	9072	50.595	71.3685	4.6935	-9.948	-109.91	1721.4	1
49072_9073	49072	9073	22.11	0.7215	-0.111	0.8715	45.129	559.815	1
49073_9073	49073	9073	48.7665	69.696	4.5525	-7.1835	-51.036	941.5725	1
49073_9074	49073	9074	22.083	1.3005	-0.1485	0.609	43.2135	543.513	1
49074_9074	49074	9074	47.031	72.6285	-2.0985	-8.142	5.907	67.533	1
49074_9075	49074	9075	22.0485	1.9515	-0.1755	0.417	40.851	517.617	1
49075_9075	49075	9075	45.186	69.528	-2.181	-8.781	-22.9455	-634.728	1
49075_9076	49075	9076	21.99	2.5185	-0.2235	0.6	38.1825	494.9685	1
49076_9076	49076	9076	44.0805	72.9405	-1.2465	-6.657	-48.7335	-1441.31	1
49076_9077	49076	9077	21.9465	2.8935	-0.237	0.3465	36.2355	471.108	1
49077_9077	49077	9077	43.4535	59.5155	-1.2615	-7.35	-59.061	-2058	1
49077_9078	49077	9078	21.921	3.0825	-0.2445	0.123	32.8845	421.113	1
49078_9078	49078	9078	43.4535	10.7565	0.555	-2.133	-76.3665	-2874.19	1
49078_9079	49078	9079	21.921	3.117	-0.2505	-0.1005	30.09	386.3385	1
49079_9079	49079	9079	43.4535	9.3405	0.5145	-4.9635	-70.17	-2994.21	1
49079_9080	49079	9080	21.921	3.117	-0.2715	0.264	27.063	351.534	1
49080_9080	49080	9080	43.4535	-0.834	0.1455	0.726	-64.4265	-3098.52	1
49080_9081	49080	9081	21.9195	3.096	-0.249	-0.0915	24.2835	316.9695	1
49081_9081	49081	9081	43.4535	-40.182	0.1455	0.726	-62.799	-3089.21	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49081_9082	49081	9082	21.9195	3.096	-0.249	-0.0915	21.5025	282.405	1
49082_9082	49082	9082	43.455	-35.244	0.0075	4.9155	-61.17	-2640.51	1
49082_9083	49082	9083	21.9195	3.066	-0.2415	-0.333	18.6045	245.583	1
49083_9083	49083	9083	43.4535	-35.244	-0.027	3.1665	-61.08	-2217.35	1
49083_9084	49083	9084	21.9195	3.066	-0.258	-0.1395	15.501	208.7955	1
49084_9084	49084	9084	43.455	-31.809	0.0495	6.42	-61.3995	-1794.56	1
49084_9085	49084	9085	21.9195	3.036	-0.228	-0.4365	12.9615	174.894	1
49085_9085	49085	9085	43.455	-31.809	0.0105	5.1315	-60.8535	-1439.45	1
49085_9086	49085	9086	21.918	3.036	-0.2475	-0.279	10.203	140.994	1
49086_9086	49086	9086	43.455	-29.6085	-0.156	6.711	-60.7395	-1084.36	1
49086_9087	49086	9087	21.918	2.997	-0.1545	-0.5055	8.4795	107.517	1
49087_9087	49087	9087	43.4535	-29.6085	-0.1935	6.0705	-62.4915	-753.554	1
49087_9088	49087	9088	21.918	2.997	-0.1725	-0.414	6.549	74.07	1
49088_9088	49088	9088	43.455	-28.5585	0.9705	5.9985	-64.6545	-423.065	1
49088_9089	49088	9089	21.918	2.94	-0.5145	-0.6	-0.2325	35.3025	1
49089_9089	49089	9089	43.7025	-28.179	0.939	6.2295	-51.8175	-37.878	1
49089_9090	49089	9090	21.891	3.132	-0.5295	-0.4665	-4.6125	13.8195	1
49090_9090	49090	9090	44.1795	-29.7075	1.1625	4.668	-45.807	166.71	1
49090_9091	49090	9091	21.8325	3.474	-0.3195	-0.66	-8.3835	-26.976	1
49091_9091	49091	9091	44.916	-28.584	1.1115	6.2685	-31.9815	508.458	1
49091_9092	49091	9092	21.954	-8.7915	0.507	1.863	-6.7875	338.1315	1
49092_9092	49092	9092	45.6405	-28.8375	-1.8075	3.042	-17.298	905.643	1
49092_9093	49092	9093	22.173	-8.2485	0.1125	0.8355	-5.4135	441.5235	1
49093_9093	49093	9093	46.3995	-30.132	-2.1495	7.563	-42.303	1317.549	1
49093_9094	49093	9094	22.3815	-7.665	0.0615	2.0295	-4.5105	537.8355	1
49094_9094	49094	9094	33.4365	1.209	-0.6435	-0.8835	9.393	-80.799	1
49094_9095	49094	9095	126.378	7.4265	-6.5505	-4.395	172.3095	37.491	1
49095_9095	49095	9095	33.4365	1.209	-0.696	-0.993	3.2835	-90.6135	1
49095_9096	49095	9096	126.3675	7.4265	-6.7485	-3.999	119.9685	-13.7835	1
49096_9096	49096	9096	33.4365	1.209	-0.6945	-0.9885	-2.1105	-99.996	1
49096_9097	49096	9097	126.3675	7.4265	-6.7425	-3.999	67.7415	-71.307	1
49097_9097	49097	9097	33.4335	1.1565	-0.1365	-0.8415	-7.4865	-109.362	1
49097_9098	49097	9098	126.342	7.7895	-2.0685	-4.1475	51.177	-133.656	1
49098_9098	49098	9098	33.4335	1.1565	-0.177	-0.984	-8.577	-118.617	1
49098_9099	49098	9099	126.339	7.7895	-2.2215	-4.308	33.4185	-195.924	1
49099_9099	49099	9099	33.4335	1.1565	-0.1785	-0.99	-9.9885	-127.862	1
49099_9100	49099	9100	126.339	7.7895	-2.2275	-4.317	15.5925	-258.276	1
49100_9100	49100	9100	33.432	1.1895	-0.183	-0.7785	-11.412	-137.117	1
49100_9101	49100	9101	126.3345	8.2305	-1.848	-3.375	4.5015	-307.676	1
49101_9101	49101	9101	33.432	1.1895	-0.1815	-0.7695	-12.51	-144.261	1
49101_9102	49101	9102	126.3345	8.2305	-1.8405	-3.3585	-6.528	-357	1
49102_9102	49102	9102	33.432	1.1895	-0.183	-0.7785	-13.596	-151.395	1
49102_9103	49102	9103	126.3345	8.2305	-1.848	-3.378	-17.619	-406.407	1
49103_9103	49103	9103	33.432	1.1895	-0.2385	-1.0425	-14.694	-158.538	1
49103_9104	49103	9104	126.3315	8.2305	-2.058	-4.0545	-29.9715	-455.807	1
49104_9104	49104	9104	33.432	1.209	-0.216	-0.6045	-16.1265	-165.684	1
49104_9105	49104	9105	126.33	8.5485	-2.373	-2.5995	-48.936	-524.139	1
49105_9105	49105	9105	33.432	1.209	-0.2595	-0.8295	-17.85	-175.353	1
49105_9106	49105	9106	126.327	8.5485	-2.535	-3.2745	-69.2265	-592.55	1
49106_9106	49106	9106	33.432	1.209	-0.258	-0.8235	-19.9215	-185.034	1
49106_9107	49106	9107	126.327	8.5485	-2.5305	-3.252	-89.4525	-660.879	1
49107_9107	49107	9107	33.4305	1.3005	-0.372	-0.495	-21.9795	-194.705	1
49107_9108	49107	9108	126.3165	8.8665	-3.999	-1.7535	-120.462	-729.624	1
49108_9108	49108	9108	33.4305	1.3005	-0.372	-0.495	-24.861	-204.786	1
49108_9109	49108	9109	126.3165	8.8665	-3.999	-1.7535	-151.472	-798.363	1
49109_9109	49109	9109	33.4305	1.3005	-0.405	-0.7365	-27.7425	-216.768	1
49109_9110	49109	9110	126.3135	8.8665	-4.128	-2.802	-190.704	-889.799	1
49110_9110	49110	9110	59.8815	51.315	4.323	-9.939	-129.398	1977.977	1
49110_9111	49110	9111	22.3335	-14.6955	1.1985	-2.5755	-86.3745	-1918.93	1
49111_9111	49111	9111	58.5465	50.3295	4.0695	-5.6115	-74.676	1364.606	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49111_9112	49111	9112	22.713	-14.1045	1.1595	-3.408	-71.6355	-1742.07	1
49112_9112	49112	9112	57.3075	49.4655	-1.359	-8.916	-25.161	803.8305	1
49112_9113	49112	9113	23.0715	-13.0995	-0.039	-1.596	-72.2085	-1568.39	1
49113_9113	49113	9113	56.0565	48.4065	-1.3665	-7.1475	-43.6515	229.9455	1
49113_9114	49113	9114	23.3955	-12.5115	-0.069	-1.773	-72.984	-1417.4	1
49114_9114	49114	9114	55.2885	47.877	-0.714	-8.517	-59.187	-239.261	1
49114_9115	49114	9115	23.607	-11.7285	0.1905	-0.684	-71.4285	-1320.64	1
49115_9115	49115	9115	54.8685	47.6715	-0.7245	-8.0715	-64.971	-607.364	1
49115_9116	49115	9116	23.709	-11.5215	0.186	-0.2925	-68.8755	-1163.76	1
49116_9116	49116	9116	54.8685	50.9985	0.687	-5.634	-74.9115	-1261.06	1
49116_9117	49116	9117	23.709	-10.9875	0.573	1.3035	-62.4825	-1041.12	1
49117_9117	49117	9117	54.87	50.9985	0.588	-8.9415	-67.2465	-1830.3	1
49117_9118	49117	9118	23.7105	-10.9875	0.5295	-0.5775	-56.562	-918.371	1
49118_9118	49118	9118	54.87	56.4435	0.5625	-1.1055	-60.681	-2400.05	1
49118_9119	49118	9119	23.7105	-10.668	0.501	1.7535	-50.967	-799.301	1
49119_9119	49119	9119	54.8715	1.2435	0.4635	-6.576	-54.3975	-3030.04	1
49119_9120	49119	9120	23.712	-10.668	0.459	0.3105	-45.846	-680.129	1
49120_9120	49120	9120	54.8715	8.2035	0.285	3.552	-49.215	-3043.95	1
49120_9121	49120	9121	23.712	-10.401	0.483	1.9095	-40.0545	-555.417	1
49121_9121	49121	9121	54.8715	-15.546	0.1935	-1.722	-45.7935	-3142.32	1
49121_9122	49121	9122	23.712	-10.401	0.4425	0.978	-34.737	-430.605	1
49122_9122	49122	9122	54.8715	-43.4055	0.156	8.8845	-43.4745	-2955.74	1
49122_9123	49122	9123	23.712	-10.2885	0.48	2.133	-29.379	-315.675	1
49123_9123	49123	9123	54.8715	-54.3225	0.009	2.2485	-41.733	-2470.88	1
49123_9124	49123	9124	23.7135	-10.2885	0.4155	1.2855	-24.7335	-200.756	1
49124_9124	49124	9124	54.8715	-49.53	-0.072	9.0465	-41.6385	-1864.07	1
49124_9125	49124	9125	23.7135	-10.2495	0.3945	1.8495	-20.3265	-86.364	1
49125_9125	49125	9125	54.8715	-49.53	-0.171	6.687	-42.4395	-1311.3	1
49125_9126	49125	9126	23.715	-10.2495	0.3525	1.695	-16.3935	28.1235	1
49126_9126	49126	9126	54.873	-46.8585	1.428	8.253	-44.3445	-758.04	1
49126_9127	49126	9127	23.715	-10.344	0.7275	1.611	-6.6465	166.6365	1
49127_9127	49127	9127	55.2825	-49.041	1.3725	8.0415	-25.698	-205.472	1
49127_9128	49127	9128	23.8035	-10.1415	0.6945	1.719	-0.9075	256.431	1
49128_9128	49128	9128	56.0475	-47.1315	1.698	6.255	-14.2995	198.6285	1
49128_9129	49128	9129	23.973	-10.0155	0.6165	0.939	6.3435	374.142	1
49129_9129	49129	9129	57.327	-51.486	1.7385	8.583	6.972	608.2365	1
49129_9130	49129	9130	24.2235	-9.3975	0.567	1.7355	13.932	491.2875	1
49130_9130	49130	9130	58.566	-51.0435	-2.997	6.036	31.344	1260.405	1
49130_9131	49130	9131	24.4485	-8.736	0.4935	1.137	20.1375	600.7935	1
49131_9131	49131	9131	59.9505	-54.552	-3.4365	8.109	-8.208	1862.28	1
49131_9132	49131	9132	24.669	-8.2815	0.489	1.1055	27.24	717.4515	1
49132_9132	49132	9132	32.991	0.0345	-0.4395	-0.969	-7.407	-156.884	1
49132_9133	49132	9133	134.061	2.5335	-6.1845	-4.473	118.821	-212.024	1
49133_9133	49133	9133	32.9925	0.0345	-0.396	-0.6825	-11.5785	-150.182	1
49133_9134	49133	9134	134.07	2.5335	-6.012	-2.9205	72.2265	-203.111	1
49134_9134	49134	9134	32.991	0.0345	-0.4395	-0.876	-14.6535	-150.441	1
49134_9135	49134	9135	134.061	2.5335	-6.1845	-3.1815	24.2925	-222.737	1
49135_9135	49135	9135	32.9925	-0.036	0.0315	-0.627	-18.057	-150.705	1
49135_9136	49135	9136	134.0685	3.21	-1.1355	-2.994	15.204	-248.418	1
49136_9136	49136	9136	32.9925	-0.036	-0.009	-0.8145	-17.8035	-150.422	1
49136_9137	49136	9137	134.067	3.21	-1.3035	-3.3045	4.7745	-274.091	1
49137_9137	49137	9137	32.9925	-0.036	-0.009	-0.8145	-17.8785	-150.138	1
49137_9138	49137	9138	134.067	3.21	-1.3035	-3.3045	-5.655	-299.768	1
49138_9138	49138	9138	32.9925	-0.0165	0.0135	-0.4755	-17.9535	-149.858	1
49138_9139	49138	9139	134.0685	3.657	-0.7185	-2.1135	-9.963	-321.711	1
49139_9139	49139	9139	32.9925	-0.0165	-0.042	-0.726	-17.874	-149.759	1
49139_9140	49139	9140	134.067	3.657	-0.942	-2.6505	-15.6105	-343.647	1
49140_9140	49140	9140	32.9925	-0.0165	-0.042	-0.726	-18.126	-149.663	1
49140_9141	49140	9141	134.067	3.657	-0.942	-2.6505	-21.2595	-365.588	1
49141_9141	49141	9141	32.9925	-0.0165	0.0135	-0.4755	-18.3765	-149.567	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49141_9142	49141	9142	134.0685	3.657	-0.7185	-2.0415	-25.5675	-387.531	1
49142_9142	49142	9142	32.9925	-0.003	-0.048	-0.564	-18.297	-149.469	1
49142_9143	49142	9143	134.067	3.9105	-1.5075	-2.0475	-37.623	-418.809	1
49143_9143	49143	9143	32.9925	-0.003	-0.0075	-0.3765	-18.684	-149.445	1
49143_9144	49143	9144	134.0685	3.9105	-1.3395	-1.524	-48.339	-450.092	1
49144_9144	49144	9144	32.9925	-0.003	-0.048	-0.564	-18.7425	-149.42	1
49144_9145	49144	9145	134.067	3.9105	-1.5075	-2.088	-60.3945	-481.371	1
49145_9145	49145	9145	32.9925	0.03	-0.1455	-0.429	-19.131	-149.394	1
49145_9146	49145	9146	134.0655	3.996	-2.8635	-1.2675	-82.581	-512.336	1
49146_9146	49146	9146	32.9925	0.03	-0.1035	-0.2355	-20.2575	-149.624	1
49146_9147	49146	9147	134.0685	3.996	-2.6895	-0.606	-103.427	-543.302	1
49147_9147	49147	9147	32.9925	0.03	-0.1455	-0.4575	-21.054	-156.417	1
49147_9148	49147	9148	134.0655	3.996	-2.8635	-1.8765	-130.623	-607.935	1
49148_9148	49148	9148	94.4745	46.0995	3.696	-6.885	-77.433	2161.71	1
49148_9149	49148	9149	45.5265	-16.407	0.9435	-2.8785	-55.014	-1668.95	1
49149_9149	49149	9149	93.2355	47.973	3.651	-6.021	-30.9945	1585.925	1
49149_9150	49149	9150	45.9405	-15.207	0.9435	-1.4355	-43.248	-1478.31	1
49150_9150	49150	9150	92.094	49.485	-1.482	-7.3695	13.401	1021.976	1
49150_9151	49150	9151	46.314	-13.9425	-0.1665	-2.082	-45.3915	-1293.34	1
49151_9151	49151	9151	90.7995	51.8265	-1.4055	-7.0695	-6.4485	393.984	1
49151_9152	49151	9152	46.6545	-12.7515	-0.126	0.222	-46.9455	-1128.49	1
49152_9152	49152	9152	89.9595	54.915	-0.9765	-7.983	-23.0715	-215.156	1
49152_9153	49152	9153	46.8585	-11.736	0.132	-0.5925	-45.831	-1031.66	1
49153_9153	49153	9153	89.499	51.6645	-0.8865	-7.1625	-30.8595	-481.941	1
49153_9154	49153	9154	46.956	-11.337	0.1665	0.5325	-43.545	-871.046	1
49154_9154	49154	9154	89.499	55.1655	0.0525	-5.0475	-43.0455	-1192.34	1
49154_9155	49154	9155	46.956	-11.0265	0.3015	1.1175	-40.2285	-749.762	1
49155_9155	49155	9155	89.499	55.1655	-0.03	-6.684	-42.4755	-1799.15	1
49155_9156	49155	9156	46.9575	-11.0265	0.258	0.435	-37.383	-628.478	1
49156_9156	49156	9156	89.499	5.2215	0.084	-0.5865	-42.7995	-2405.97	1
49156_9157	49156	9157	46.956	-10.854	0.336	1.4475	-34.017	-519.93	1
49157_9157	49157	9157	89.499	5.2215	-0.006	-3.045	-41.9595	-2458.19	1
49157_9158	49157	9158	46.9575	-10.854	0.2895	0.9285	-31.119	-411.384	1
49158_9158	49158	9158	89.499	10.8495	0	3.834	-42.015	-2510.41	1
49158_9159	49158	9159	46.956	-10.7715	0.288	1.56	-28.233	-303.671	1
49159_9159	49159	9159	89.499	-44.3505	-0.09	1.215	-42.018	-2618.91	1
49159_9160	49159	9160	46.9575	-10.7715	0.2415	1.257	-25.8165	-195.959	1
49160_9160	49160	9160	89.499	-48.174	0.045	6.294	-42.915	-2175.4	1
49160_9161	49160	9161	46.956	-10.7505	0.2985	1.467	-22.536	-77.8035	1
49161_9161	49161	9161	89.499	-53.1975	0.045	6.2925	-42.4275	-1645.96	1
49161_9162	49161	9162	46.956	-10.7505	0.2985	1.467	-19.2525	40.458	1
49162_9162	49162	9162	89.499	-50.049	0.9885	7.1745	-41.9385	-1060.8	1
49162_9163	49162	9163	46.9575	-10.8405	0.339	1.344	-14.5875	189.5085	1
49163_9163	49163	9163	89.919	-49.29	1.0965	7.944	-28.2885	-378.959	1
49163_9164	49163	9164	47.046	-10.4415	0.396	1.2645	-11.31	272.328	1
49164_9164	49164	9164	90.6735	-46.6755	1.317	6.8025	-19.149	27.6885	1
49164_9165	49164	9165	47.214	-9.894	0.417	1.032	-6.3885	388.614	1
49165_9165	49165	9165	91.83	-44.3565	1.3845	6.8175	-3.5055	553.068	1
49165_9166	49165	9166	47.4495	-8.691	0.453	1.0185	-0.3585	491.724	1
49166_9166	49166	9166	92.88	-43.032	-3.1455	4.8645	16.2675	1123.796	1
49166_9167	49166	9167	47.6505	-7.455	0.1845	0.5715	1.9485	585.1725	1
49167_9167	49167	9167	93.9735	-40.5795	-3.2175	6.795	-22.9005	1663.208	1
49167_9168	49167	9168	47.829	-6.2025	0.147	0.9855	3.8595	663.0945	1
49168_9168	49168	9168	24.7425	-0.096	0.249	0.3765	-22.404	-124.046	1
49168_9169	49168	9169	119.7915	-5.22	2.9355	1.7745	-93.345	-530.915	1
49169_9169	49169	9169	24.7425	-0.096	0.222	0.201	-20.043	-117.977	1
49169_9170	49169	9170	119.7945	-5.22	2.8095	0.63	-71.5725	-465.515	1
49170_9170	49170	9170	24.7425	-0.096	0.255	0.3525	-18.3165	-117.228	1
49170_9171	49170	9171	119.79	-5.22	2.964	1.2315	-48.6	-425.06	1
49171_9171	49171	9171	24.7425	-0.066	0.1065	0.369	-16.344	-116.481	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49171_9172	49171	9172	119.7945	-5.166	1.329	1.692	-37.965	-383.732	1
49172_9172	49172	9172	24.7425	-0.066	0.1365	0.513	-15.498	-115.947	1
49172_9173	49172	9173	119.793	-5.166	1.479	2.172	-26.13	-342.399	1
49173_9173	49173	9173	24.7425	-0.066	0.1065	0.369	-14.403	-115.413	1
49173_9174	49173	9174	119.7945	-5.166	1.329	1.7445	-15.4935	-301.071	1
49174_9174	49174	9174	24.7425	-0.0615	0.069	0.4455	-13.557	-114.879	1
49174_9175	49174	9175	119.7945	-5.0055	0.7755	2.145	-10.842	-271.037	1
49175_9175	49175	9175	24.7425	-0.0615	0.111	0.636	-13.1385	-114.506	1
49175_9176	49175	9176	119.793	-5.0055	0.975	2.5965	-4.992	-240.999	1
49176_9176	49176	9176	24.7425	-0.0615	0.069	0.4455	-12.4725	-114.135	1
49176_9177	49176	9177	119.7945	-5.0055	0.7755	2.1945	-0.339	-210.969	1
49177_9177	49177	9177	24.7425	-0.0615	0.069	0.4455	-12.054	-113.762	1
49177_9178	49177	9178	119.7945	-5.0055	0.7755	2.1945	4.3125	-180.936	1
49178_9178	49178	9178	24.7425	-0.051	0.1095	0.645	-11.6355	-113.388	1
49178_9179	49178	9179	119.793	-4.716	1.488	2.982	16.2165	-143.201	1
49179_9179	49179	9179	24.7425	-0.051	0.078	0.504	-10.7595	-112.98	1
49179_9180	49179	9180	119.7945	-4.716	1.338	2.802	26.9235	-105.474	1
49180_9180	49180	9180	24.7425	-0.051	0.1095	0.645	-10.1295	-112.569	1
49180_9181	49180	9181	119.793	-4.716	1.488	2.934	38.8275	-67.7385	1
49181_9181	49181	9181	24.7425	-0.069	0.4515	0.591	-9.252	-112.161	1
49181_9182	49181	9182	119.7945	-4.1445	5.6325	2.2665	82.479	-35.6235	1
49182_9182	49182	9182	24.7425	-0.069	0.4515	0.591	-5.7555	-111.626	1
49182_9183	49182	9183	119.7945	-4.1445	5.6325	2.2665	126.1305	-3.504	1
49183_9183	49183	9183	24.7425	-0.069	0.477	0.7965	-2.259	-115.673	1
49183_9184	49183	9184	119.7885	-4.1445	5.7585	3.336	180.837	13.6845	1
49184_9184	49184	9184	69.2385	53.889	3.813	-7.5645	-69.756	2240.766	1
49184_9185	49184	9185	23.1285	-12.0465	0.816	-2.163	-45.7485	-1409.06	1
49185_9185	49185	9185	67.8225	52.323	3.5415	-5.5035	-21.138	1591.526	1
49185_9186	49185	9186	23.436	-11.436	0.7965	-2.088	-35.7285	-1265.71	1
49186_9186	49186	9186	66.5535	55.194	-1.674	-7.6005	23.1795	935.6535	1
49186_9187	49186	9187	23.7195	-10.7655	-0.294	-1.521	-39.645	-1122.89	1
49187_9187	49187	9187	65.154	54.084	-1.6005	-7.05	0.0975	301.221	1
49187_9188	49187	9188	23.985	-10.161	-0.291	-0.3315	-43.0935	-997.131	1
49188_9188	49188	9188	64.2885	56.4345	-1.29	-9.3	-18.795	-334.458	1
49188_9189	49188	9189	24.147	-9.5145	0.087	-0.5745	-42.3675	-918.632	1
49189_9189	49189	9189	63.8115	56.973	-1.2435	-8.265	-29.5155	-789.525	1
49189_9190	49189	9190	24.2265	-9.312	0.105	0.4335	-40.929	-786.6	1
49190_9190	49190	9190	63.8115	56.5785	-0.3075	-7.845	-46.617	-1572.91	1
49190_9191	49190	9191	24.2265	-9.054	0.168	0.4155	-39.0885	-687.006	1
49191_9191	49191	9191	63.8115	46.5435	-0.249	-5.8485	-49.998	-2195.28	1
49191_9192	49191	9192	24.225	-9.054	0.189	1.0395	-37.005	-587.411	1
49192_9192	49192	9192	63.8115	-3.6795	-0.159	0.1755	-52.74	-2707.25	1
49192_9193	49192	9193	24.225	-8.8935	0.1905	1.5	-35.1165	-498.915	1
49193_9193	49193	9193	63.8115	-3.6795	-0.222	-2.508	-54.315	-2670.63	1
49193_9194	49193	9194	24.2265	-8.8935	0.165	0.999	-33.4695	-410.421	1
49194_9194	49194	9194	63.8115	1.2435	-0.12	5.688	-56.529	-2634	1
49194_9195	49194	9195	24.225	-8.8035	0.2235	1.6875	-31.245	-322.82	1
49195_9195	49195	9195	63.8115	-53.124	-0.1845	3.0285	-57.7245	-2646.38	1
49195_9196	49195	9196	24.225	-8.8035	0.1995	1.3635	-29.2635	-235.31	1
49196_9196	49196	9196	63.8085	-49.851	0.1455	9.1545	-59.5575	-2118.29	1
49196_9197	49196	9197	24.225	-8.781	0.237	1.6785	-26.6565	-138.717	1
49197_9197	49197	9197	63.8085	-49.851	0.087	7.728	-57.9585	-1569.95	1
49197_9198	49197	9198	24.225	-8.781	0.2145	1.5525	-24.2925	-42.1275	1
49198_9198	49198	9198	63.801	-47.478	1.1565	9.438	-56.997	-1021.58	1
49198_9199	49198	9199	24.225	-8.8635	0.2985	1.371	-20.175	79.836	1
49199_9199	49199	9199	64.197	-46.9425	1.11	9.7785	-40.998	-383.457	1
49199_9200	49199	9200	24.2985	-8.661	0.282	1.665	-17.838	145.521	1
49200_9200	49200	9200	64.965	-48.75	1.125	8.736	-31.8795	-106.313	1
49200_9201	49200	9201	24.438	-8.4555	0.315	0.9765	-14.1285	244.8915	1
49201_9201	49201	9201	66.1755	-47.1825	1.1205	9.6075	-18.3945	444.8385	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49201_9202	49201	9202	24.6435	-7.836	0.3135	1.4535	-9.9435	341.2845	1
49202_9202	49202	9202	67.329	-46.722	-3.687	8.394	-2.1585	1052.607	1
49202_9203	49202	9203	24.831	-7.236	0.1125	1.1355	-8.5275	431.973	1
49203_9203	49203	9203	68.544	-48.6525	-3.9195	8.7975	-49.5825	1635.779	1
49203_9204	49203	9204	25.0095	-6.5925	0.132	1.011	-6.864	514.785	1
49204_9204	49204	9204	32.214	-1.2795	0.7515	0.819	-40.8255	-204.591	1
49204_9205	49204	9205	120.1695	7.179	-6.7005	-4.626	166.4805	43.029	1
49205_9205	49205	9205	32.2155	-1.2795	0.717	0.423	-33.693	-183.711	1
49205_9206	49205	9206	120.162	7.179	-6.8265	-2.7315	113.5725	19.9275	1
49206_9206	49206	9206	32.2155	-1.2795	0.717	0.423	-28.137	-173.793	1
49206_9207	49206	9207	120.162	7.179	-6.8265	-2.7315	60.666	-35.7105	1
49207_9207	49207	9207	32.2155	-1.248	0.5535	1.059	-22.581	-163.871	1
49207_9208	49207	9208	120.141	7.6755	-2.139	-4.026	43.5555	-97.122	1
49208_9208	49208	9208	32.2155	-1.248	0.513	0.867	-18.153	-153.888	1
49208_9209	49208	9209	120.138	7.6755	-2.289	-4.1475	25.2435	-158.516	1
49209_9209	49209	9209	32.217	-1.248	0.4725	0.687	-14.046	-143.907	1
49209_9210	49209	9210	120.135	7.6755	-2.439	-4.3455	5.73	-219.909	1
49210_9210	49210	9210	32.217	-1.2075	0.4425	1.2315	-10.2615	-133.925	1
49210_9211	49210	9211	120.1275	8.0175	-1.155	-2.6595	-1.197	-267.998	1
49211_9211	49211	9211	32.2185	-1.2075	0.39	1.02	-7.6035	-126.684	1
49211_9212	49211	9212	120.1245	8.0175	-1.3545	-3.105	-9.324	-316.094	1
49212_9212	49212	9212	32.2185	-1.2075	0.336	0.8205	-5.268	-119.445	1
49212_9213	49212	9213	120.123	8.0175	-1.5555	-3.633	-18.654	-364.191	1
49213_9213	49213	9213	32.22	-1.2075	0.282	0.633	-3.2535	-112.205	1
49213_9214	49213	9214	120.12	8.0175	-1.755	-4.239	-29.184	-412.287	1
49214_9214	49214	9214	32.2215	-1.1745	0.5445	1.227	-1.5615	-104.969	1
49214_9215	49214	9215	120.117	8.3265	-1.9725	-1.4475	-44.943	-478.83	1
49215_9215	49215	9215	32.223	-1.1745	0.465	0.99	2.7915	-95.5875	1
49215_9216	49215	9216	120.111	8.3265	-2.271	-2.6385	-63.114	-545.444	1
49216_9216	49216	9216	32.223	-1.1745	0.384	0.774	6.51	-86.196	1
49216_9217	49216	9217	120.105	8.3265	-2.571	-4.002	-83.6865	-612.056	1
49217_9217	49217	9217	32.2305	-1.1715	0.921	1.0395	9.5835	-76.806	1
49217_9218	49217	9218	120.0975	8.6235	-3.063	0.8385	-107.424	-678.953	1
49218_9218	49218	9218	32.2335	-1.1715	0.7965	0.777	16.7205	-67.7295	1
49218_9219	49218	9219	120.0855	8.6235	-3.5265	-1.788	-134.766	-745.796	1
49219_9219	49219	9219	32.235	-1.1715	0.783	0.942	22.89	-66.4395	1
49219_9220	49219	9220	120.084	8.6235	-3.576	-2.9565	-168.747	-856.749	1
49220_9220	49220	9220	54.348	49.7955	3.612	-9.768	-94.2	1558.439	1
49220_9221	49220	9221	19.749	10.32	0.255	-2.451	-18.867	358.7955	1
49221_9221	49221	9221	53.0925	48.141	3.2865	-5.265	-48.1095	959.442	1
49221_9222	49221	9222	19.4775	10.7235	0.198	-0.816	-16.4235	220.581	1
49222_9222	49222	9222	51.816	48.5835	-1.332	-7.011	-7.3485	383.2815	1
49222_9223	49222	9223	19.191	11.1165	-0.3495	-2.0475	-20.994	73.2075	1
49223_9223	49223	9223	50.5785	48.5445	-1.545	-6.9765	-25.2705	-207.593	1
49223_9224	49223	9224	18.9045	11.595	-0.441	-1.0215	-26.2305	-57.1875	1
49224_9224	49224	9224	49.8435	49.365	-0.8175	-4.257	-43.326	-730.233	1
49224_9225	49224	9225	18.7215	11.805	-0.3315	-1.4955	-28.9725	-154.632	1
49225_9225	49225	9225	49.428	49.7775	-0.984	-7.6695	-50.106	-1137.9	1
49225_9226	49225	9226	18.621	11.961	-0.3945	-1.7745	-34.6935	-327.888	1
49226_9226	49226	9226	49.452	52.728	0.213	-0.219	-64.3485	-1859.06	1
49226_9227	49226	9227	18.627	12.1485	-0.117	-0.894	-36.021	-466.074	1
49227_9227	49227	9227	49.4535	17.46	0.084	-6.6975	-61.9185	-2458.67	1
49227_9228	49227	9228	18.6255	12.1485	-0.1665	-2.1225	-37.9065	-604.241	1
49228_9228	49228	9228	49.4565	1.725	0.2835	4.563	-60.972	-2657.38	1
49228_9229	49228	9229	18.627	12.6165	-0.0345	0.015	-38.292	-747.662	1
49229_9229	49229	9229	49.4565	1.725	0.153	-2.493	-57.7485	-2677	1
49229_9230	49229	9230	18.627	12.6165	-0.0825	-1.956	-39.234	-891.074	1
49230_9230	49230	9230	49.4535	-49.545	0.717	8.79	-56.007	-2696.48	1
49230_9231	49230	9231	18.627	13.2975	-0.15	1.803	-41.034	-1051.15	1
49231_9231	49231	9231	49.455	-60.333	0.603	3.945	-47.376	-2099.93	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49231_9232	49231	9232	18.6255	13.2975	-0.192	-0.6225	-42.7635	-1170.52	1
49232_9232	49232	9232	49.7085	-63.147	0.417	-1.719	-41.973	-1559.43	1
49232_9233	49232	9233	18.5715	13.3725	-0.2625	-4.845	-43.59	-1212.07	1
49233_9233	49233	9233	50.295	-60.6465	2.3595	8.646	-40.566	-1365.11	1
49233_9234	49233	9234	18.4245	14.3925	0.375	4.0935	-39.945	-1349.2	1
49234_9234	49234	9234	51.12	-59.9565	2.229	6.816	-18.0165	-787.107	1
49234_9235	49234	9235	18.228	14.6415	0.3255	1.08	-37.5765	-1457.4	1
49235_9235	49235	9235	52.065	-62.811	2.1	6.045	-0.726	-521.456	1
49235_9236	49235	9236	18.0075	14.9115	0.27	-2.613	-36.0555	-1557.79	1
49236_9236	49236	9236	52.98	-61.608	0.7995	6.4935	12.4875	-130.067	1
49236_9237	49236	9237	17.748	15.612	1.3605	4.953	-22.2675	-1711.66	1
49237_9237	49237	9237	54.1095	-60.6195	0.6075	7.9665	20.622	477.42	1
49237_9238	49237	9238	17.463	15.9375	1.2885	-1.266	-10.6095	-1860.88	1
49238_9238	49238	9238	55.038	-56.724	-5.838	12.921	27.597	1019.373	1
49238_9239	49238	9239	17.034	18.561	-1.9245	8.0925	-26.7855	-2014.12	1
49239_9239	49239	9239	55.7865	-58.836	-6.267	16.7625	-25.242	1474.734	1
49239_9240	49239	9240	16.7865	18.783	-1.9635	4.371	-34.839	-2088.03	1
49240_9240	49240	9240	45.759	1.152	-1.6065	-3.9375	-6.7305	-76.545	1
49240_9241	49240	9241	124.5135	18.573	4.251	15.0375	150.9735	370.224	1
49241_9241	49241	9241	45.6675	2.1195	0.309	-0.93	-16.902	-83.6985	1
49241_9242	49241	9242	124.9065	12.447	-4.0155	-6.6285	138.282	329.85	1
49242_9242	49242	9242	45.6675	2.1195	0.2205	-1.116	-15.9255	-87.915	1
49242_9243	49242	9243	124.8975	12.447	-4.257	-5.76	85.695	182.8785	1
49243_9243	49243	9243	45.669	2.1195	0.1005	-1.419	-13.197	-114.105	1
49243_9244	49243	9244	124.887	12.447	-4.587	-5.277	44.4825	71.067	1
49244_9244	49244	9244	45.6645	2.2845	0.069	-0.855	-12.2985	-133.109	1
49244_9245	49244	9245	124.7505	11.676	-1.8675	-5.049	24.96	-50.9565	1
49245_9245	49245	9245	45.6645	2.2845	-0.0585	-1.29	-11.583	-156.987	1
49245_9246	49245	9246	124.7445	11.676	-2.214	-5.19	4.6575	-158.004	1
49246_9246	49246	9246	45.66	2.3475	-0.072	-0.7545	-12.1185	-177.896	1
49246_9247	49246	9247	124.668	11.877	-0.546	-3.8055	-1.098	-283.205	1
49247_9247	49247	9247	45.6585	2.3475	-0.225	-1.431	-12.885	-202.649	1
49247_9248	49247	9248	124.665	11.877	-0.9615	-4.749	-9.831	-391.085	1
49248_9248	49248	9248	45.66	2.4645	-0.3585	-0.5955	-14.928	-223.932	1
49248_9249	49248	9249	124.6755	12.2715	-1.6965	-2.9175	-25.9305	-507.449	1
49249_9249	49249	9249	45.6585	2.4645	-0.471	-1.2	-18.3315	-247.32	1
49249_9250	49249	9250	124.671	12.2715	-2.001	-4.1595	-46.2165	-631.814	1
49250_9250	49250	9250	45.657	2.643	-0.6705	-0.3585	-23.0985	-272.258	1
49250_9251	49250	9251	124.686	12.8685	-3.6135	-1.746	-81.906	-758.796	1
49251_9251	49251	9251	45.6555	2.643	-0.783	-1.089	-29.7255	-298.364	1
49251_9252	49251	9252	124.677	12.8685	-3.9195	-3.6045	-120.113	-884.24	1
49252_9252	49252	9252	45.6225	2.7375	1.098	4.002	-37.3575	-324.041	1
49252_9253	49252	9253	124.533	13.8555	4.212	16.989	-106.803	-927.65	1
49253_9253	49253	9253	45.624	2.7375	1.014	3.4005	-33.888	-333.515	1
49253_9254	49253	9254	124.542	13.8555	3.981	15.336	-68.982	-1061.55	1
49254_9254	49254	9254	58.3245	34.803	6.912	-18.2145	-43.8195	1573.649	1
49254_9255	49254	9255	33.108	11.214	1.3875	-4.782	-6.912	527.1225	1
49255_9255	49255	9255	57.972	40.5945	-3.4125	-7.236	37.098	1159.682	1
49255_9256	49255	9256	32.928	12.741	-0.774	-2.5155	-15.432	391.23	1
49256_9256	49256	9256	57.1065	41.787	-3.606	-4.6845	0.408	726.687	1
49256_9257	49256	9257	32.6535	13.4205	-0.8865	-0.813	-25.308	243.6075	1
49257_9257	49257	9257	56.613	41.244	-0.006	-6.1995	-37.605	322.6515	1
49257_9258	49257	9258	32.4465	13.6905	-0.4125	-2.6205	-27.207	177.8625	1
49258_9258	49258	9258	55.9485	42.1395	-0.0975	-5.352	-37.737	146.9265	1
49258_9259	49258	9259	32.2245	14.205	-0.465	-1.7025	-31.9575	47.2755	1
49259_9259	49259	9259	55.3815	42.8805	-0.243	-5.574	-38.7855	-278.864	1
49259_9260	49259	9260	32.031	14.6325	-0.549	-1.152	-35.6745	-51.1575	1
49260_9260	49260	9260	55.053	43.842	-0.1875	-1.9485	-40.4925	-562.068	1
49260_9261	49260	9261	31.9185	14.814	0.0405	-1.1925	-35.5515	-98.0655	1
49261_9261	49261	9261	54.8775	44.061	-0.363	-4.0455	-41.0955	-706.332	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49261_9262	49261	9262	31.8585	14.94	-0.06	-1.368	-36.2415	-272.457	1
49262_9262	49262	9262	54.876	44.061	-0.5355	-7.8645	-45.2475	-1211.31	1
49262_9263	49262	9263	31.8585	14.94	-0.1605	-2.2275	-37.8255	-419.937	1
49263_9263	49263	9263	54.8835	46.3035	0.0525	-0.9945	-50.532	-1646.39	1
49263_9264	49263	9264	31.8615	15.192	-0.0225	-0.8205	-38.091	-598.397	1
49264_9264	49264	9264	54.8835	46.3035	-0.048	-4.95	-49.923	-2190.21	1
49264_9265	49264	9265	31.8615	15.192	-0.0795	-1.902	-38.9985	-770.274	1
49265_9265	49265	9265	54.891	-5.499	0.1005	3.4125	-50.4585	-2714.42	1
49265_9266	49265	9266	31.8645	15.6855	-0.021	0.2235	-39.249	-954.927	1
49266_9266	49266	9266	54.891	-5.499	0.0075	-1.1025	-49.2735	-2649.71	1
49266_9267	49266	9267	31.8645	15.6855	-0.075	-1.404	-40.1025	-1132.08	1
49267_9267	49267	9267	54.9315	-2.3085	1.347	7.716	-49.1925	-2588.1	1
49267_9268	49267	9268	31.875	16.386	0.2475	1.9515	-38.448	-1241.88	1
49268_9268	49268	9268	54.9315	-55.449	1.317	6.27	-40.1805	-2572.67	1
49268_9269	49268	9269	31.875	16.386	0.2295	1.2525	-36.9045	-1352.15	1
49269_9269	49269	9269	55.554	-70.8465	1.2405	3.0015	-31.2585	-2313.04	1
49269_9270	49269	9270	31.7205	16.6845	0.1785	-0.54	-35.19	-1514.19	1
49270_9270	49270	9270	56.7675	-68.2665	2.109	8.8935	-19.2495	-1623.76	1
49270_9271	49270	9271	31.4385	17.8875	0.522	4.6305	-29.658	-1700.13	1
49271_9271	49271	9271	57.978	-68.583	2.004	7.5645	2.835	-1012.78	1
49271_9272	49271	9272	31.1175	18.4425	0.4665	2.274	-25.896	-1857.45	1
49272_9272	49272	9272	58.8135	-69.8835	1.8735	5.811	19.0935	-568.086	1
49272_9273	49272	9273	30.894	18.816	0.3915	-1.782	-24.0945	-1954.48	1
49273_9273	49273	9273	59.7735	-69.3975	-4.365	7.05	28.92	-247.544	1
49273_9274	49273	9274	30.5205	19.497	-1.5285	7.0095	-41.739	-2187.26	1
49274_9274	49274	9274	61.4745	-67.881	-4.569	9.786	-22.734	579.894	1
49274_9275	49274	9275	30.0165	20.2545	-1.647	-0.0915	-63.9585	-2452.97	1
49275_9275	49275	9275	38.154	1.542	-0.873	-2.0895	31.7775	-81.5295	1
49275_9276	49275	9276	140.8575	-12.123	4.5825	1.695	-147.855	-1007.25	1
49276_9276	49276	9276	38.1525	1.542	-0.9165	-2.1915	27.516	-89.0595	1
49276_9277	49276	9277	140.862	-12.123	4.4205	0.534	-127.433	-951.249	1
49277_9277	49277	9277	38.151	1.542	-0.9795	-2.256	23.28	-92.5845	1
49277_9278	49277	9278	140.8695	-12.123	4.191	-1.4145	-88.827	-826.304	1
49278_9278	49278	9278	38.1765	1.6005	-0.2715	-1.0695	14.2605	-106.838	1
49278_9279	49278	9279	140.823	-12.756	2.3115	5.124	-62.6865	-682.34	1
49279_9279	49279	9279	38.175	1.6005	-0.435	-1.605	11.193	-124.937	1
49279_9280	49279	9280	140.8305	-12.756	1.7085	2.202	-42.777	-533.711	1
49280_9280	49280	9280	38.187	1.9875	-0.102	-0.708	6.1275	-143.622	1
49280_9281	49280	9281	140.8185	-12.966	0.7665	5.0175	-33.801	-382.014	1
49281_9281	49281	9281	38.1855	1.9875	-0.255	-1.38	4.941	-166.889	1
49281_9282	49281	9282	140.82	-12.966	0.1995	3.48	-31.4175	-227.193	1
49282_9282	49282	9282	38.1855	2.1975	-0.3555	-0.12	1.896	-202.97	1
49282_9283	49282	9283	140.889	-14.0775	2.2635	3.111	-3.3405	-97.914	1
49283_9283	49283	9283	38.1825	2.1975	-0.537	-1.2225	-2.508	-230.24	1
49283_9284	49283	9284	140.898	-14.0775	1.5885	2.643	14.514	60.246	1
49284_9284	49284	9284	38.1375	2.5845	-2.292	0.0105	-8.5485	-254.979	1
49284_9285	49284	9285	141.072	-15.207	7.89	2.55	94.419	214.2495	1
49285_9285	49285	9285	38.13	2.5845	-2.406	-0.822	-31.7655	-281.148	1
49285_9286	49285	9286	141.0945	-15.207	7.473	3.183	164.499	356.8515	1
49286_9286	49286	9286	38.1315	3.1155	1.8495	1.863	-54.3225	-305.39	1
49286_9287	49286	9287	141.09	-17.9205	-6.3045	-4.566	139.125	428.979	1
49287_9287	49287	9287	38.13	3.1155	1.872	2.1465	-46.8795	-320	1
49287_9288	49287	9288	141.0945	-17.9205	-6.225	-5.1495	80.0025	591.5175	1
49288_9288	49288	9288	15.5955	75.0975	10.7685	-15.99	-44.9595	695.4615	1
49288_9289	49288	9289	2.5845	5.7885	-2.2455	3.609	-3.5985	684.7335	1
49289_9289	49289	9289	13.9605	74.9355	-4.8405	-3.1815	59.145	503.928	1
49289_9290	49289	9290	2.5005	0.1665	0.201	-0.0585	6.9405	84.153	1
49290_9290	49290	9290	12.12	61.224	-4.1955	-3.5535	-3.753	248.7645	1
49290_9291	49290	9291	2.4945	0.234	0.195	-0.033	9.189	81.4425	1
49291_9291	49291	9291	11.325	58.4175	-0.2835	-3.084	-50.421	-213.648	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49291_9292	49291	9292	2.484	0.2685	-0.051	-0.129	8.976	80.331	1
49292_9292	49292	9292	10.4715	53.805	-0.3225	-3.4725	-49.875	-290.276	1
49292_9293	49292	9293	2.4795	0.306	-0.057	-0.0435	8.514	78.336	1
49293_9293	49293	9293	9.906	50.241	-0.339	-4.086	-50.868	-585.185	1
49293_9294	49293	9294	2.4765	0.333	-0.0615	0.024	8.0175	75.678	1
49294_9294	49294	9294	9.9345	54.162	1.1385	0.564	-53.58	-986.448	1
49294_9295	49294	9295	2.4765	0.333	-0.027	-0.2835	7.9095	74.3505	1
49295_9295	49295	9295	9.9375	54.162	1.1055	-3.186	-49.017	-1206.19	1
49295_9296	49295	9296	2.4765	0.333	-0.0345	-0.0435	7.551	70.29	1
49296_9296	49296	9296	9.9405	54.162	1.0815	-7.2855	-37.7595	-1757.88	1
49296_9297	49296	9297	2.4765	0.333	-0.0405	0.1215	7.2135	67.539	1
49297_9297	49297	9297	9.9285	57.7575	0.462	1.4655	-28.8195	-2205.7	1
49297_9298	49297	9298	2.4765	0.3315	-0.0705	-0.1245	6.3975	63.7425	1
49298_9298	49298	9298	9.93	57.7575	0.4275	-8.2965	-23.5155	-2869.48	1
49298_9299	49298	9299	2.475	0.3315	-0.0795	0.0915	5.5515	60.2055	1
49299_9299	49299	9299	9.9315	53.2485	0.375	5.8305	-18.9465	-3486.85	1
49299_9300	49299	9300	2.4765	0.3315	-0.0735	-0.123	4.758	56.637	1
49300_9300	49300	9300	9.933	21.606	0.342	-7.2915	-14.8995	-4061.97	1
49300_9301	49300	9301	2.475	0.3315	-0.081	0.06	3.7155	52.395	1
49301_9301	49301	9301	9.9345	-0.1965	0.381	9.8475	-10.5105	-4339.26	1
49301_9302	49301	9302	2.4765	0.3345	-0.0675	-0.123	2.916	48.4275	1
49302_9302	49302	9302	9.936	-0.1965	0.3435	-7.0695	-5.9865	-4336.94	1
49302_9303	49302	9303	2.475	0.3345	-0.0765	0.066	2.0115	44.487	1
49303_9303	49303	9303	9.936	-49.725	0.2085	9.7245	-1.956	-4335.32	1
49303_9304	49303	9304	2.475	0.342	-0.0615	-0.0945	1.239	40.203	1
49304_9304	49304	9304	9.936	-49.725	0.1755	-2.715	0.6675	-3710.74	1
49304_9305	49304	9305	2.475	0.342	-0.0705	0.039	0.468	36.432	1
49305_9305	49305	9305	9.9345	-45.762	0.042	11.589	2.607	-3162.09	1
49305_9306	49305	9306	2.4765	0.357	-0.027	-0.108	0.165	32.484	1
49306_9306	49306	9306	9.9345	-45.762	0.0015	0.7755	3.075	-2656.41	1
49306_9307	49306	9307	2.4765	0.357	-0.0375	0.0255	-0.306	27.9945	1
49307_9307	49307	9307	9.921	-43.443	-0.642	8.892	3.099	-2082.3	1
49307_9308	49307	9308	2.4795	0.384	0.1155	-0.069	1.0605	23.43	1
49308_9308	49308	9308	9.9195	-43.443	-0.6675	4.848	-4.5345	-1565.72	1
49308_9309	49308	9309	2.4795	0.384	0.108	-0.0075	2.331	18.936	1
49309_9309	49309	9309	9.903	-42.6285	-1.3485	7.983	-12.3465	-1057.48	1
49309_9310	49309	9310	2.4855	0.3465	0.3315	-0.135	6.297	14.7975	1
49310_9310	49310	9310	9.8985	-42.6285	-1.3815	6.153	-28.452	-548.363	1
49310_9311	49310	9311	2.4855	0.3465	0.324	-0.0855	10.0725	10.755	1
49311_9311	49311	9311	10.194	-43.707	13.431	-0.1635	-44.553	-51.4845	1
49311_9312	49311	9312	2.55	-7.506	10.6455	-3.69	0	36.9015	1

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95
	Max.	1.31	1.58	1.84	1.84	1.05			0.00	
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	
Fatigue I	Max/Min	1.5								

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
1000_1000	1000	1000	-2.4435	-2.298	0.3015	-0.282	0	-8.82	1
1000_1001	1000	1001	-0.8265	2.3235	-0.2685	0.231	-4.575	-16.899	1
1001_1001	1001	1001	-0.801	-0.1605	0.1335	-0.156	2.28	-1.926	1
1001_1002	1001	1002	-2.829	2.3535	-0.276	0.249	-7.6935	-33.3015	1
9000_9000	9000	9000	-2.1105	-8.061	0.9195	0.279	0	-8.628	1
9000_9001	9000	9001	-4.5285	7.3935	-1.2435	-0.315	-10.317	-36.114	1
9001_9001	9001	9001	-58.4325	41.268	-0.183	-1.185	-1.5135	-481.976	1
9001_9002	9001	9002	-10.215	8.484	-1.233	-0.3435	-21.1995	-86.5455	1
9002_9002	9002	9002	-112.932	35.3865	0.258	-0.8595	-4.6455	-925.52	1
9002_9003	9002	9003	-17.9925	8.232	0.5835	-0.3075	-13.5435	-150.705	1
9003_9003	9003	9003	-173.583	26.151	0.336	-1.695	-2.8395	-1419.08	1
9003_9004	9003	9004	-25.8375	8.2995	0.5595	-0.375	-6.4605	-214.982	1
9004_9004	9004	9004	-219.674	13.0935	0.0195	-0.5355	1.0245	-1792.74	1
9004_9005	9004	9005	-33.987	8.565	-0.003	-0.3	-6.501	-280.8	1
9005_9005	9005	9005	-257.952	4.7055	0.054	-1.587	0.678	-2104.38	1
9005_9006	9005	9006	-42.141	8.565	-0.0045	-0.4155	-6.5475	-346.656	1
9006_9006	9006	9006	-283.452	1.797	-0.078	-0.369	0.8745	-2312.17	1
9006_9007	9006	9007	-50.2575	8.5275	-0.1125	-0.2835	-7.905	-412.212	1
9007_9007	9007	9007	-302.225	-5.8815	-0.054	-1.023	-0.741	-2465.04	1
9007_9008	9007	9008	-58.374	8.5275	-0.1125	-0.363	-9.264	-477.762	1
9008_9008	9008	9008	-310.266	-7.305	-0.0975	-0.2625	-2.031	-2530.73	1
9008_9009	9008	9009	-66.654	8.7015	-0.117	-0.2775	-10.6335	-544.91	1
9009_9009	9009	9009	-314.306	-14.5485	-0.0735	-0.381	-3.993	-2563.67	1
9009_9010	9009	9010	-74.934	8.7015	-0.117	-0.264	-12.0555	-611.781	1
9010_9010	9010	9010	-309.131	-15.7035	-0.1335	0.6045	-5.553	-2521.79	1
9010_9011	9010	9011	-83.4765	8.973	-0.1215	-0.0675	-13.5315	-680.777	1
9011_9011	9011	9011	-304.107	-47.7345	-0.147	-0.171	-6.6735	-2481.28	1
9011_9012	9011	9012	-92.019	8.973	-0.123	-0.33	-15.0135	-749.757	1
9012_9012	9012	9012	-291.005	-49.251	-0.2415	1.1655	-8.6325	-2375.35	1
9012_9013	9012	9013	-100.902	9.3345	-0.108	0.0525	-16.323	-821.51	1
9013_9013	9013	9013	-275.006	-56.1975	-0.2085	0.165	-11.6865	-2245.68	1
9013_9014	9013	9014	-109.785	9.3345	-0.1095	-0.2655	-17.637	-893.247	1
9014_9014	9014	9014	-251.258	-59.838	0.0585	1.107	-13.905	-2053.13	1
9014_9015	9014	9015	-121.719	9.747	-0.0855	0.0735	-18.972	-989.633	1
9015_9015	9015	9015	-236.453	-67.2525	0.0435	0.171	-8.535	-1798.8	1
9015_9016	9015	9016	-137.111	9.4005	-0.0555	-0.039	-13.0935	-1063.44	1
9016_9016	9016	9016	-205.631	-69.291	0.2895	0.6735	-8.0025	-1619.55	1
9016_9017	9016	9017	-134.015	9.312	0.018	0.255	-12.8685	-1156.28	1
9017_9017	9017	9017	-152.369	-48.2595	0.2085	0.1755	-5.067	-1364.34	1
9017_9018	9017	9018	-119.687	9.1545	0.018	0.174	-12.6525	-1282.73	1
9018_9018	9018	9018	-95.715	-53.0925	-0.327	0.42	-3.279	-1080.45	1
9018_9019	9018	9019	-103.625	9.3765	-0.1095	0.4845	-14.019	-1407.81	1
9019_9019	9019	9019	-50.961	-58.071	-0.1965	0.3135	-6.738	-784.139	1
9019_9020	9019	9020	-87.4125	9.624	-0.1125	0.4635	-15.324	-1541.2	1
9020_9020	9020	9020	-177.06	-16.7685	1.0485	0.276	-35.964	-694.001	1
9020_9021	9020	9021	-28.626	-33.4125	0.033	0.39	-5.2335	-543.165	1
9021_9021	9021	9021	-181.52	-20.1645	0.8325	-0.123	-19.26	-762.911	1
9021_9022	9021	9022	-12.768	-27.228	0.129	0.1215	-6.2715	-404.282	1
9022_9022	9022	9022	-184.046	-23.49	0.804	-0.0915	-11.949	-818.705	1
9022_9023	9022	9023	-3.7395	-0.798	0.0645	0.021	-5.409	-137.37	1
9023_9023	9023	9023	-186.315	-16.494	0.123	0.1185	-4.338	-906.798	1
9023_9024	9023	9024	-3.2535	-0.6675	0.099	0.0435	-4.6155	-133.967	1
9024_9024	9024	9024	-188.213	-20.907	0.108	0.075	-2.748	-957.002	1
9024_9025	9024	9025	-2.769	-0.6675	0.099	0.0435	-3.8235	-130.565	1
9025_9025	9025	9025	-188.462	-25.746	0.102	-0.0945	-1.395	-992.051	1
9025_9026	9025	9026	-2.9205	1.053	-0.0255	-0.0285	1.6845	78.0555	1
9026_9026	9026	9026	-187.716	-28.0485	0.024	0.2625	-0.2745	-1013.92	1
9026_9027	9026	9027	-3.489	1.0575	-0.0255	-0.051	1.581	76.0155	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9027_9027	9027	9027	-187.257	-32.0295	0.03	0.0585	0.0285	-1027.41	1
9027_9028	9027	9028	-4.074	1.0815	-0.024	-0.0375	1.503	74.691	1
9028_9028	9028	9028	-185.933	-36.2445	0.0225	0.0435	0.327	-1031.03	1
9028_9029	9028	9029	-4.6725	1.134	-0.0285	-0.042	1.4445	76.1835	1
9029_9029	9029	9029	-182.789	-40.5435	0.0165	-0.012	0.5205	-1018.81	1
9029_9030	9029	9030	-5.289	1.134	-0.027	-0.0405	1.278	71.847	1
9030_9030	9030	9030	-180.245	-19.9455	-0.0735	0.0975	0.42	-1002.2	1
9030_9031	9030	9031	-6.108	1.1355	-0.0345	-0.0555	1.05	70.4625	1
9031_9031	9031	9031	-178.532	-25.2435	-0.093	0.0495	-0.4485	-976.875	1
9031_9032	9031	9032	-6.9435	1.167	-0.0375	-0.057	0.7635	68.4975	1
9032_9032	9032	9032	-175.716	-30.102	-0.1005	-0.1275	-1.629	-937.737	1
9032_9033	9032	9033	-7.7955	1.188	-0.036	-0.0495	0.4605	65.19	1
9033_9033	9033	9033	-171.266	-33.234	-0.7545	0.2295	-2.997	-883.238	1
9033_9034	9033	9034	-8.685	1.272	-0.102	-0.057	-0.351	60.8625	1
9034_9034	9034	9034	-166.235	-37.3455	-0.789	0.186	-9.711	-822.441	1
9034_9035	9034	9035	-23.475	34.8045	0.006	-0.1905	-2.775	-490.586	1
9035_9035	9035	9035	-157.47	-41.2215	-1.032	-0.2055	-21.8955	-765.498	1
9035_9036	9035	9036	-50.0595	42.063	0.159	-0.438	1.86	-718.484	1
9036_9036	9036	9036	-35.1945	-9.3225	0.045	0.2175	-0.8295	-449.31	1
9036_9037	9036	9037	-118.268	-45.849	-0.4935	1.1475	6.03	-1023.73	1
9037_9037	9037	9037	-35.331	-9.5925	0.048	0.084	-0.2445	-354.179	1
9037_9038	9037	9038	-100.404	-38.457	-0.372	0.414	0.948	-667.346	1
9038_9038	9038	9038	-63.336	-1.539	-0.1605	-0.084	-1.449	-955.763	1
9038_9039	9038	9039	-85.5735	-12.69	-0.033	-0.159	-7.785	-986.463	1
9039_9039	9039	9039	-106.797	-6.609	-0.216	-0.3735	-3.009	-1167.29	1
9039_9040	9039	9040	-85.8435	-11.9685	-0.042	-0.2295	-8.2695	-869.688	1
9040_9040	9040	9040	-140.589	-9.159	-0.147	-0.1845	-5.4105	-1331.59	1
9040_9041	9040	9041	-80.316	-11.22	-0.027	-0.087	-8.499	-805.209	1
9041_9041	9041	9041	-181.197	-14.0385	-0.0765	-0.123	-3.204	-1339.1	1
9041_9042	9041	9042	-76.851	-10.9845	-0.012	-0.0075	-4.2735	-640.901	1
9042_9042	9042	9042	-205.307	-16.7655	0.0165	0.0405	-4.563	-1504.69	1
9042_9043	9042	9043	-64.884	-10.4085	0.027	0.0525	-3.9495	-565.094	1
9043_9043	9043	9043	-223.499	0.5535	0.012	-0.2955	-4.6005	-1623.83	1
9043_9044	9043	9044	-52.9275	-10.4085	0.0255	0.0135	-3.6495	-489.357	1
9044_9044	9044	9044	-236.778	-1.1865	0.0045	0.006	-4.464	-1702.86	1
9044_9045	9044	9045	-41.3625	-10.059	0.0195	0.081	-3.4155	-416.109	1
9045_9045	9045	9045	-248.277	-8.6865	0.0015	-0.2115	-4.4175	-1768.66	1
9045_9046	9045	9046	-52.0065	10.0755	-0.0285	-0.093	-3.462	-360.618	1
9046_9046	9046	9046	-250.977	-10.2705	-0.0075	0.117	-4.374	-1777.22	1
9046_9047	9046	9047	-63.792	10.3365	-0.03	-0.045	-3.8415	-438.548	1
9047_9047	9047	9047	-251.753	-17.7225	-0.0105	-0.1005	-4.4505	-1772.39	1
9047_9048	9047	9048	-75.6765	10.341	-0.0315	-0.078	-4.2075	-513.968	1
9048_9048	9048	9048	-244.343	-19.3695	-0.0255	0.2145	-4.5075	-1714.43	1
9048_9049	9048	9049	-87.852	10.596	-0.036	-0.0075	-4.6305	-591.09	1
9049_9049	9049	9049	-234.84	-26.613	-0.027	0.0045	-4.7565	-1642.15	1
9049_9050	9049	9050	-100.13	10.6905	-0.036	-0.0525	-5.0445	-672.378	1
9050_9050	9050	9050	-219.101	-28.728	0.0825	0.258	-4.926	-1528.76	1
9050_9051	9050	9051	-116.4	11.109	-0.0075	0.0285	-5.1675	-775.436	1
9051_9051	9051	9051	-186.299	-37.4865	0.0795	0.108	-4.1325	-1415.85	1
9051_9052	9051	9052	-116.481	10.9245	-0.0105	0.0135	-5.9895	-864.237	1
9052_9052	9052	9052	-166.23	-39	0.129	0.3495	-3.4515	-1304.9	1
9052_9053	9052	9053	-117.044	10.905	-0.003	0.1005	-6.0285	-963.864	1
9053_9053	9053	9053	-115.23	-44.826	0.1515	0.4965	-2.931	-1221.03	1
9053_9054	9053	9054	-97.467	11.2395	-0.0045	0.381	-8.271	-1155.46	1
9054_9054	9054	9054	-72.3945	-49.965	-0.2595	0.4905	-1.7775	-993.827	1
9054_9055	9054	9055	-108.062	40.3335	0.33	-0.8055	5.277	-954.581	1
9055_9055	9055	9055	-52.1745	6.0585	-0.0135	-0.258	1.5165	-312.441	1
9055_9056	9055	9056	-117.309	45.204	0.3855	-1.326	10.3635	-1383.75	1
9056_9056	9056	9056	-166.104	-6.654	0.72	0.321	-23.1795	-739.664	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9056_9057	9056	9057	-12.954	-31.0965	0.0555	0.5895	-4.272	-500.604	1
9057_9057	9057	9057	-173.841	-10.746	0.6495	-0.1095	-13.7385	-848.819	1
9057_9058	9057	9058	-11.766	0.465	-0.081	-0.195	2.448	-137.852	1
9058_9058	9058	9058	-179.63	-14.586	0.642	-0.435	-8.0055	-928.733	1
9058_9059	9058	9059	-12.069	0.465	-0.081	-0.2295	1.815	-140.247	1
9059_9059	9059	9059	-183.804	-17.3355	0.072	0.357	-2.481	-996.896	1
9059_9060	9059	9060	-12.36	0.4425	-0.0765	-0.1275	0.9885	-130.52	1
9060_9060	9060	9060	-187.197	-21.8175	0.072	0.0045	-1.4715	-1056.98	1
9060_9061	9060	9061	-12.657	0.4425	-0.078	-0.162	0.366	-132.87	1
9061_9061	9061	9061	-188.834	-26.694	0.063	-0.099	-0.5475	-1099.7	1
9061_9062	9061	9062	-12.954	0.4425	-0.078	-0.162	-0.258	-135.221	1
9062_9062	9062	9062	-189.216	-28.776	0.015	0.261	0.1635	-1126.3	1
9062_9063	9062	9063	-13.227	0.54	-0.075	-0.126	-0.711	-137.375	1
9063_9063	9063	9063	-189.624	-32.7405	0.0015	0.5865	0.3495	-1143.6	1
9063_9064	9063	9064	-13.497	0.54	-0.075	-0.0795	-1.158	-139.527	1
9064_9064	9064	9064	-188.999	-36.8805	0.0165	-0.204	0.423	-1148.98	1
9064_9065	9064	9065	-13.7715	0.54	-0.0765	-0.1695	-1.6155	-141.678	1
9065_9065	9065	9065	-187.641	-19.0395	-0.018	-0.2205	0.4665	-1142.34	1
9065_9066	9065	9066	-14.043	0.546	-0.081	-0.138	-2.163	-155.88	1
9066_9066	9066	9066	-186.501	-19.7955	-0.054	0.288	0.3015	-1123.84	1
9066_9067	9066	9067	-14.4615	0.624	-0.0885	-0.0915	-2.8725	-159.2	1
9067_9067	9067	9067	-185.186	-25.0485	-0.0585	-0.075	-0.369	-1095.72	1
9067_9068	9067	9068	-14.8815	0.624	-0.09	-0.129	-3.588	-162.519	1
9068_9068	9068	9068	-182.774	-29.901	-0.0675	-0.174	-1.1835	-1052.21	1
9068_9069	9068	9069	-15.3	0.624	-0.09	-0.129	-4.305	-165.839	1
9069_9069	9069	9069	-178.725	-32.7975	-0.6195	0.3705	-2.1555	-991.596	1
9069_9070	9069	9070	-15.8055	0.777	-0.0855	-0.0585	-4.971	-169.841	1
9070_9070	9070	9070	-174.143	-36.966	-0.6465	0.2565	-7.6515	-924.53	1
9070_9071	9070	9071	-16.311	0.777	-0.0855	-0.0615	-5.6385	-173.844	1
9071_9071	9071	9071	-167.807	-40.7895	-0.75	-0.192	-15.504	-844.637	1
9071_9072	9071	9072	-39.0465	38.685	0.0675	-0.621	-0.186	-698.082	1
9072_9072	9072	9072	-37.8795	-0.1365	0.012	-0.189	-4.821	-384.821	1
9072_9073	9072	9073	-99.3615	-43.1775	-0.3525	1.3035	4.491	-903.068	1
9073_9073	9073	9073	-42.453	-0.6795	0.015	-0.141	-4.668	-369.444	1
9073_9074	9073	9074	-95.8755	-10.572	0.087	-0.5625	-7.689	-1163.46	1
9074_9074	9074	9074	-69.6735	-1.0635	-0.129	-0.108	-1.464	-1009.83	1
9074_9075	9074	9075	-105.063	-10.2075	-0.0105	-0.1845	-7.8465	-1037.71	1
9075_9075	9075	9075	-127.521	-6.0855	-0.132	-0.3825	-2.0685	-1175.92	1
9075_9076	9075	9076	-117.089	-9.951	-0.0105	-0.225	-5.871	-884.187	1
9076_9076	9076	9076	-166.496	-8.7195	-0.0705	-0.087	-3.6225	-1350.54	1
9076_9077	9076	9077	-112.163	-9.9585	-0.0075	-0.048	-5.9325	-827.601	1
9077_9077	9077	9077	-173.727	-13.086	-0.1065	-0.3075	-6.024	-1500.92	1
9077_9078	9077	9078	-91.9815	-10.0485	-0.0075	-0.0345	-8.457	-739.571	1
9078_9078	9078	9078	-198.389	8.862	0.0585	-0.2295	-8.1555	-1706.53	1
9078_9079	9078	9079	-82.845	-9.591	0.057	0.087	-7.7775	-661.113	1
9079_9079	9079	9079	-218.391	2.0715	0.063	-0.7095	-7.5585	-1855.8	1
9079_9080	9079	9080	-73.86	-9.3585	0.0555	-0.0285	-7.074	-581.519	1
9080_9080	9080	9080	-231.804	0.9135	0.018	-0.21	-6.807	-1954.06	1
9080_9081	9080	9081	-65.3385	-8.898	0.048	0.087	-6.4485	-506.529	1
9081_9081	9081	9081	-243.818	-5.928	0.0225	-0.3705	-6.6105	-2040.69	1
9081_9082	9081	9082	-57.1545	-8.376	0.0465	0.078	-5.6685	-421.797	1
9082_9082	9082	9082	-248.693	-6.675	-0.006	0.1485	-6.303	-2072.89	1
9082_9083	9082	9083	-51.165	8.2935	-0.054	-0.1005	-5.154	-382.452	1
9083_9083	9083	9083	-252.354	-14.0115	-0.0045	-0.3225	-6.3825	-2095.01	1
9083_9084	9083	9084	-59.718	8.529	-0.054	-0.162	-5.901	-455.66	1
9084_9084	9084	9084	-247.922	-15.258	-0.024	0.3585	-6.3825	-2055.7	1
9084_9085	9084	9085	-68.0205	8.829	-0.057	-0.0465	-6.5865	-523.149	1
9085_9085	9085	9085	-243.392	-46.2885	-0.0255	0.195	-6.6825	-2027.95	1
9085_9086	9085	9086	-76.4025	8.8935	-0.057	-0.1335	-7.242	-589.118	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9086_9086	9086	9086	-231.906	-47.532	-0.0735	0.822	-6.8805	-1936.23	1
9086_9087	9086	9087	-85.1145	9.198	-0.0615	0.027	-7.9365	-658.188	1
9087_9087	9087	9087	-219	-54.2715	-0.069	0.4065	-7.6275	-1833.16	1
9087_9088	9087	9088	-93.8205	9.198	-0.0615	-0.0765	-8.6265	-723.497	1
9088_9088	9088	9088	-200.57	-31.278	0.093	0.5295	-7.7655	-1667.44	1
9088_9089	9088	9089	-104.604	9.7185	-0.024	0.0525	-8.9055	-811.535	1
9089_9089	9089	9089	-175.475	-38.7	0.0735	0.2175	-5.6475	-1556.94	1
9089_9090	9089	9090	-107.208	9.5055	-0.021	0.054	-8.0715	-905.865	1
9090_9090	9090	9090	-154.568	-40.0845	0.1725	0.669	-4.926	-1421.84	1
9090_9091	9090	9091	-106.335	9.4185	0	0.222	-8.0775	-996.54	1
9091_9091	9091	9091	-114.605	-45.7755	0.183	0.36	-3.927	-1248.02	1
9091_9092	9091	9092	-95.0895	9.4755	-0.0015	0.297	-10.203	-1124.55	1
9092_9092	9092	9092	-69.768	-50.6775	-0.3345	0.531	-2.352	-996.476	1
9092_9093	9092	9093	-100.368	42.3225	0.396	-0.639	6.5265	-962.898	1
9093_9093	9093	9093	-37.4685	7.161	-0.009	-0.2655	0.5115	-304.856	1
9093_9094	9093	9094	-110.381	49.8825	0.486	-1.4595	13.11	-1405.24	1
9094_9094	9094	9094	-165.494	-6.5895	0.8325	0.249	-26.478	-741.206	1
9094_9095	9094	9095	-17.097	-1.017	0.0645	0.0825	-0.0945	44.3925	1
9095_9095	9095	9095	-168.312	-10.7055	0.9375	-0.1455	-19.5345	-868.673	1
9095_9096	9095	9096	-16.461	-1.02	0.078	0.105	0.504	49.7565	1
9096_9096	9096	9096	-173.433	-14.574	0.9105	-0.2445	-11.2635	-951.345	1
9096_9097	9096	9097	-15.8385	-1.02	0.078	0.105	1.11	55.158	1
9097_9097	9097	9097	-177.005	-17.196	0.1005	0.3585	-3.4365	-1021.92	1
9097_9098	9097	9098	-15.219	-0.978	0.006	0.0915	1.1565	60.5115	1
9098_9098	9098	9098	-180.009	-21.7155	0.099	0.0135	-2.0355	-1085.64	1
9098_9099	9098	9099	-14.6085	-0.951	0.009	0.1005	1.2165	62.586	1
9099_9099	9099	9099	-181.38	-26.631	0.084	-0.105	-0.7815	-1131.47	1
9099_9100	9099	9100	-14.0085	-0.9465	0.009	0.1005	1.281	67.2105	1
9100_9100	9100	9100	-181.601	-28.602	0.036	0.3645	0.1575	-1160.69	1
9100_9101	9100	9101	-13.5585	-0.948	0.0075	0.0765	1.2855	68.3865	1
9101_9101	9101	9101	-181.92	-32.5845	0.0255	0.321	0.4575	-1180.13	1
9101_9102	9101	9102	-13.11	-0.948	0.006	0.0765	1.326	72.27	1
9102_9102	9102	9102	-181.325	-36.7605	0.018	0.24	0.648	-1187.59	1
9102_9103	9102	9103	-12.864	-0.0135	0.1335	0.123	-1.1415	-141.411	1
9103_9103	9103	9103	-179.345	-18.9735	-0.021	-0.5385	0.282	-1182.97	1
9103_9104	9103	9104	-12.8565	-0.0135	0.132	0.0765	-0.3495	-141.359	1
9104_9104	9104	9104	-178.211	-19.584	-0.0675	0.312	-0.0255	-1164.7	1
9104_9105	9104	9105	-12.915	0.0945	0.135	0.1635	0.735	-141.875	1
9105_9105	9105	9105	-176.886	-24.9105	-0.078	-0.0855	-1.062	-1136.64	1
9105_9106	9105	9106	-12.975	0.0945	0.135	0.1275	1.8135	-142.391	1
9106_9106	9106	9106	-174.474	-29.856	-0.0945	-0.18	-2.3385	-1091.91	1
9106_9107	9106	9107	-13.0335	0.0945	0.135	0.129	2.8905	-142.907	1
9107_9107	9107	9107	-170.444	-32.7555	-0.8685	0.333	-3.882	-1028.81	1
9107_9108	9107	9108	-13.0905	0.0945	0.108	0.1755	3.7335	-143.409	1
9108_9108	9108	9108	-165.858	-37.0305	-0.9075	0.2235	-11.772	-958.473	1
9108_9109	9108	9109	-13.1565	0.1245	0.1215	0.192	5.109	-155.843	1
9109_9109	9109	9109	-163.962	-40.83	-0.8385	-0.105	-18.282	-854.97	1
9109_9110	9109	9110	-35.3385	38.2005	0.0855	-0.5325	-0.813	-687.876	1
9110_9110	9110	9110	-31.7355	-2.274	0.024	-0.183	-5.412	-459.537	1
9110_9111	9110	9111	-109.347	-39.669	-0.4545	1.3305	8.697	-933.572	1
9111_9111	9111	9111	-36.2685	-2.472	0.0255	-0.1575	-5.1015	-424.919	1
9111_9112	9111	9112	-94.74	-30.7695	-0.33	0.5415	3.651	-604.028	1
9112_9112	9112	9112	-65.9145	-1.8825	-0.129	-0.1905	-3.2085	-1016.76	1
9112_9113	9112	9113	-99.342	-11.0835	0.0165	-0.294	-10.65	-1036.35	1
9113_9113	9113	9113	-109.832	-7.2585	-0.1395	-0.5055	-3.732	-1231.82	1
9113_9114	9113	9114	-101.394	-10.881	0.0105	-0.2325	-8.3205	-920.835	1
9114_9114	9114	9114	-142.397	-9.966	-0.0495	-0.204	-5.469	-1401.76	1
9114_9115	9114	9115	-96.288	-10.8525	0.0315	-0.096	-8.0565	-855.935	1
9115_9115	9115	9115	-180.045	-14.175	-0.0435	-0.1845	-5.004	-1371.45	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9115_9116	9115	9116	-93.402	-10.8945	0.027	-0.0105	-6.3465	-681.104	1
9116_9116	9116	9116	-200.168	-17.043	0.042	0.138	-5.7975	-1519.88	1
9116_9117	9116	9117	-82.71	-10.32	0.051	0.1005	-5.742	-602.793	1
9117_9117	9117	9117	-215.703	-23.3355	0.0435	-0.3195	-5.409	-1631.83	1
9117_9118	9117	9118	-72.135	-10.221	0.0495	-0.042	-5.1675	-528.962	1
9118_9118	9118	9118	-226.106	-24.549	0.0345	0.285	-4.8945	-1706.92	1
9118_9119	9118	9119	-61.9815	-9.735	0.0465	0.1245	-4.5765	-450.603	1
9119_9119	9119	9119	-235.356	-31.179	0.033	-0.2055	-4.4745	-1772.31	1
9119_9120	9119	9120	-52.158	-9.279	0.0435	0.015	-3.948	-369.918	1
9120_9120	9120	9120	-237.98	-31.836	0.018	0.4095	-4.005	-1792.31	1
9120_9121	9120	9121	-42.453	-8.325	0.042	0.114	-3.18	-282.062	1
9121_9121	9121	9121	-239.835	-39.186	0.015	-0.0675	-3.7125	-1805.94	1
9121_9122	9121	9122	-33.8145	-7.1475	0.039	0.0405	-2.3355	-196.521	1
9122_9122	9122	9122	-232.947	-40.5285	0.0105	0.6345	-3.4365	-1760.9	1
9122_9123	9122	9123	-38.451	5.8695	-0.018	0.0075	-2.889	-301.214	1
9123_9123	9123	9123	-225.15	-47.46	0.003	-0.03	-3.261	-1708.86	1
9123_9124	9123	9124	-44.631	6.0645	-0.0195	-0.102	-3.144	-350.19	1
9124_9124	9124	9124	-209.823	-48.543	-0.021	0.624	-3.1635	-1606.5	1
9124_9125	9124	9125	-51.2505	6.5775	-0.018	0.0255	-3.369	-408.053	1
9125_9125	9125	9125	-193.454	-55.4475	-0.024	0.1935	-3.36	-1496.12	1
9125_9126	9125	9126	-58.0245	6.636	-0.021	-0.0705	-3.5925	-455.564	1
9126_9126	9126	9126	-172.454	-33	0.0885	0.384	-3.36	-1336.91	1
9126_9127	9126	9127	-66.6015	6.9795	0.0045	0.042	-3.507	-515.057	1
9127_9127	9127	9127	-153.522	-40.278	0.0675	0.0375	-1.98	-1180.95	1
9127_9128	9127	9128	-77.238	26.391	-0.0795	-0.321	0.729	-291.669	1
9128_9128	9128	9128	-131.369	-40.989	0.1575	0.321	-1.4535	-1059.14	1
9128_9129	9128	9129	-103.262	32.133	-0.099	-0.249	-0.291	-502.356	1
9129_9129	9129	9129	-82.1985	-46.3845	0.165	0.1875	0.063	-963.888	1
9129_9130	9129	9130	-121.269	39.1065	-0.1335	-0.8115	-2.25	-854.466	1
9130_9130	9130	9130	-47.8485	8.1255	-0.0465	-0.1155	-1.425	-327.435	1
9130_9131	9130	9131	-135.179	44.79	0.2475	-0.645	0.441	-1237.34	1
9131_9131	9131	9131	-48.264	7.638	-0.045	-0.1005	-2.058	-414.213	1
9131_9132	9131	9132	-143.286	51.4125	0.3105	-1.0035	4.6425	-1700.93	1
9132_9132	9132	9132	-148.025	-2.649	0.6615	0.099	-17.2605	-548.031	1
9132_9133	9132	9133	-18.468	-32.286	-0.096	0.339	-0.381	-449.27	1
9133_9133	9133	9133	-160.605	-6.936	0.597	-0.0285	-9.681	-667.025	1
9133_9134	9133	9134	-13.362	-1.749	-0.039	-0.084	-0.348	-209.843	1
9134_9134	9134	9134	-169.302	-11.028	0.603	-0.2145	-4.7295	-761.379	1
9134_9135	9134	9135	-12.147	-1.662	-0.0375	-0.111	-0.714	-192.84	1
9135_9135	9135	9135	-176.195	-14.457	0.006	0.153	0.201	-843.936	1
9135_9136	9135	9136	-11.283	1.914	0.033	0.021	-2.01	-64.4895	1
9136_9136	9136	9136	-181.746	-19.2705	0.0075	-0.03	0.405	-915.857	1
9136_9137	9136	9137	-12.72	2.0505	0.0375	0.0135	-1.818	-81.5985	1
9137_9137	9137	9137	-184.988	-24.5265	0.0015	-0.0885	0.5595	-968.786	1
9137_9138	9137	9138	-14.235	2.1765	0.0405	0.015	-1.5585	-99.735	1
9138_9138	9138	9138	-186.432	-26.904	-0.0135	0.2685	0.5805	-1003.99	1
9138_9139	9138	9139	-15.4515	2.229	0.042	0.039	-1.305	-108.246	1
9139_9139	9139	9139	-187.329	-31.176	-0.006	0.039	0.4725	-1025.99	1
9139_9140	9139	9140	-16.7025	2.319	0.045	0.0195	-1.05	-122.646	1
9140_9140	9140	9140	-186.938	-35.679	-0.006	-0.006	0.4035	-1035.74	1
9140_9141	9140	9141	-17.9895	2.403	0.0465	0.021	-0.7695	-137.505	1
9141_9141	9141	9141	-184.361	-40.281	-0.015	0.1515	0.321	-1027.6	1
9141_9142	9141	9142	-19.3215	2.4855	0.048	0.051	-0.462	-152.858	1
9142_9142	9142	9142	-181.517	-20.829	-0.0135	0.0555	-0.1305	-1014.75	1
9142_9143	9142	9143	-21.2385	2.637	0.0495	0.051	-0.0645	-166.79	1
9143_9143	9143	9143	-178.508	-26.5575	-0.027	0.138	-0.4275	-983.345	1
9143_9144	9143	9144	-23.1945	2.85	0.0555	0.087	0.507	-197.216	1
9144_9144	9144	9144	-173.661	-31.8345	-0.0255	-0.0675	-0.8775	-933.479	1
9144_9145	9144	9145	-25.2675	2.85	0.0555	0.0585	0.9495	-211.727	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9145_9145	9145	9145	-166.494	-35.379	-0.471	0.189	-1.362	-864.147	1
9145_9146	9145	9146	-27.3375	3.0195	0.0585	0.102	1.5135	-234.965	1
9146_9146	9146	9146	-158.189	-39.9255	-0.495	0.243	-5.4555	-784.848	1
9146_9147	9146	9147	-29.511	3.1155	0.066	0.144	2.166	-258.207	1
9147_9147	9147	9147	-145.539	-44.211	-0.528	-0.0285	-10.3785	-704.873	1
9147_9148	9147	9148	-44.6865	41.7465	0.1395	-0.492	2.502	-659.7	1
9148_9148	9148	9148	-53.706	-4.7985	0.0165	0.0855	-0.2025	-391.031	1
9148_9149	9148	9149	-147.051	-39.4065	-0.2985	0.834	2.5695	-1034.45	1
9149_9149	9149	9149	-55.035	-5.874	0.018	0.084	-0.018	-335.615	1
9149_9150	9149	9150	-132.405	-33.1845	-0.234	0.552	-0.6555	-702.347	1
9150_9150	9150	9150	-54.7485	-6.9585	0.0375	0.1065	0.1995	-272.555	1
9150_9151	9150	9151	-109.899	-27.1455	0.081	0.555	0.9465	-422.034	1
9151_9151	9151	9151	-89.658	-7.4355	-0.108	-0.0945	-0.8025	-944.396	1
9151_9152	9151	9152	-86.4825	-23.4135	0.0495	0.231	1.419	-229.478	1
9152_9152	9152	9152	-119.949	-10.014	-0.048	-0.1035	-1.932	-1077.98	1
9152_9153	9152	9153	-68.595	-21.1095	0.039	0.24	1.6515	-129.642	1
9153_9153	9153	9153	-146.591	-14.112	-0.0435	-0.0435	-1.965	-1123.91	1
9153_9154	9153	9154	-54.945	-10.14	0.015	0.0225	-2.7405	-469.598	1
9154_9154	9154	9154	-164.121	-17.7135	0.009	0.0585	-2.622	-1250.25	1
9154_9155	9154	9155	-44.052	-9.6075	0.021	0.0405	-2.4855	-393.308	1
9155_9155	9155	9155	-177.002	-24.2115	0.0045	-0.072	-2.571	-1340.13	1
9155_9156	9155	9156	-33.8025	-8.754	0.018	0.012	-2.1495	-305.757	1
9156_9156	9156	9156	-184.793	-26.3415	0.009	0.1245	-2.5425	-1395.63	1
9156_9157	9156	9157	-25.761	-7.218	0.0195	0.0345	-1.668	-217.554	1
9157_9157	9157	9157	-190.298	-32.646	0.0045	-0.0165	-2.4705	-1433.94	1
9157_9158	9157	9158	-19.6185	-2.1825	-0.0045	-0.009	0.171	-96.2055	1
9158_9158	9158	9158	-190.454	-11.679	-0.0045	0.075	-2.469	-1435.3	1
9158_9159	9158	9159	-24.765	6.561	-0.018	-0.0165	-1.7775	-203.429	1
9159_9159	9159	9159	-190.428	-18.258	-0.012	-0.075	-2.5215	-1430.01	1
9159_9160	9159	9160	-31.9365	7.656	-0.021	-0.0375	-2.1855	-276.086	1
9160_9160	9160	9160	-184.779	-19.7715	-0.0015	0.1005	-2.6235	-1388.99	1
9160_9161	9160	9161	-41.049	8.5455	-0.0165	-0.021	-2.4945	-356.127	1
9161_9161	9161	9161	-176.684	-26.7765	-0.003	0.0405	-2.652	-1329.94	1
9161_9162	9161	9162	-50.754	8.8275	-0.0165	-0.0225	-2.694	-423.602	1
9162_9162	9162	9162	-163.344	-28.989	0.06	0.108	-2.649	-1235.99	1
9162_9163	9162	9163	-71.628	22.3005	-0.033	-0.1695	1.266	-137.189	1
9163_9163	9163	9163	-136.728	-36.8985	0.0615	0.1965	-2.067	-1144.17	1
9163_9164	9163	9164	-89.406	25.6485	-0.048	-0.27	1.107	-241.136	1
9164_9164	9164	9164	-119.031	-38.1075	0.12	0.195	-1.641	-1046.08	1
9164_9165	9164	9165	-114.863	29.727	-0.06	-0.27	0.468	-426.915	1
9165_9165	9165	9165	-78.555	-43.2885	0.12	0.3105	-0.621	-953.153	1
9165_9166	9165	9166	-137.291	35.238	-0.0885	-0.4995	-0.813	-712.347	1
9166_9166	9166	9166	-64.5975	6.3075	-0.0135	-0.051	-0.045	-307.032	1
9166_9167	9166	9167	-152.096	38.991	0.2265	-0.441	1.6665	-1045.73	1
9167_9167	9167	9167	-64.6695	5.112	-0.012	-0.0885	-0.2265	-375.66	1
9167_9168	9167	9168	-160.898	46.044	0.2835	-0.78	5.403	-1454.49	1
9168_9168	9168	9168	-138.086	-2.6625	0.4635	0.081	-13.4805	-548.258	1
9168_9169	9168	9169	-31.1955	-2.904	-0.054	-0.117	1.359	-245.474	1
9169_9169	9169	9169	-152.712	-6.936	0.3795	-0.1665	-7.1055	-662.897	1
9169_9170	9169	9170	-30.4665	-2.994	-0.0495	-0.1185	0.8655	-233.37	1
9170_9170	9170	9170	-163.373	-10.974	0.3675	-0.1185	-3.8925	-752.817	1
9170_9171	9170	9171	-28.3125	-2.895	-0.0435	-0.0795	0.4185	-210.875	1
9171_9171	9171	9171	-172.103	-14.292	0.036	0.027	-0.84	-830.969	1
9171_9172	9171	9172	-26.1645	-2.8275	-0.0435	-0.069	0.075	-196.845	1
9172_9172	9172	9172	-179.64	-19.0665	0.027	0.0945	-0.4065	-899.664	1
9172_9173	9172	9173	-24.069	-2.631	-0.0375	-0.036	-0.3285	-167.157	1
9173_9173	9173	9173	-184.743	-24.2715	0.027	-0.0945	-0.081	-949.847	1
9173_9174	9173	9174	-22.071	-2.631	-0.0375	-0.0585	-0.633	-154.104	1
9174_9174	9174	9174	-188.027	-26.8755	0.006	0.0975	0.1875	-983.277	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9174_9175	9174	9175	-20.637	-2.5125	-0.036	-0.0375	-0.8535	-144.249	1
9175_9175	9175	9175	-190.16	-31.125	-0.0015	0.246	0.2325	-1003.36	1
9175_9176	9175	9176	-19.2345	-2.436	-0.0345	-0.009	-1.062	-129.366	1
9176_9176	9176	9176	-192.477	-15.282	-0.0015	-0.129	0.2205	-1010.76	1
9176_9177	9176	9177	-17.8755	-2.3565	-0.033	-0.0315	-1.254	-114.923	1
9177_9177	9177	9177	-192.579	-19.7445	-0.003	-0.1605	0.186	-1002.72	1
9177_9178	9177	9178	-16.548	-2.3085	-0.033	-0.03	-1.437	-103.253	1
9178_9178	9178	9178	-191.291	-21.015	-0.0255	0.153	0.1455	-982.739	1
9178_9179	9178	9179	-14.8545	-2.2245	-0.033	-0.009	-1.6905	-89.8905	1
9179_9179	9179	9179	-189.056	-26.625	-0.027	-0.033	-0.1635	-949.121	1
9179_9180	9179	9180	-13.2525	-2.103	-0.03	-0.0195	-1.863	-72.3105	1
9180_9180	9180	9180	-185	-31.809	-0.0375	0.039	-0.5265	-899.058	1
9180_9181	9180	9181	-11.721	-1.971	-0.0285	-0.0075	-1.983	-55.749	1
9181_9181	9181	9181	-178.517	-35.4645	-0.348	0.2055	-1.0035	-830.778	1
9181_9182	9181	9182	-12.3585	1.6125	0.036	0.084	0.528	-176.43	1
9182_9182	9182	9182	-170.79	-39.891	-0.36	0.147	-4.0035	-753.164	1
9182_9183	9182	9183	-26.4255	32.3595	0.03	-0.27	-0.5535	-429.023	1
9183_9183	9183	9183	-160.73	-44.001	-0.432	0.105	-8.2365	-666.827	1
9183_9184	9183	9184	-55.6215	41.0475	0.111	-0.315	1.9995	-644.18	1
9184_9184	9184	9184	-39.099	-6.864	0.015	0.09	-0.5145	-363.69	1
9184_9185	9184	9185	-132.402	-43.5885	-0.231	0.702	1.3515	-1001.4	1
9185_9185	9185	9185	-39.429	-7.377	0.0165	0.0645	-0.318	-292.512	1
9185_9186	9185	9186	-113.805	-36.525	-0.177	0.3825	-1.0785	-644.597	1
9186_9186	9186	9186	-53.2485	-0.795	-0.0885	-0.12	0.0585	-749.217	1
9186_9187	9186	9187	-87.201	-29.5605	0.0735	0.459	0.3465	-350.483	1
9187_9187	9187	9187	-101.727	-5.7765	-0.1035	-0.1185	-0.588	-917.673	1
9187_9188	9187	9188	-76.8945	-8.6595	-0.009	-0.027	-3.1125	-569.835	1
9188_9188	9188	9188	-136.988	-8.8635	-0.0525	-0.099	-1.6545	-1072.4	1
9188_9189	9188	9189	-71.8605	-8.511	0.012	-0.0315	-3.042	-520.058	1
9189_9189	9189	9189	-159.762	-13.2285	-0.0525	-0.051	-1.9065	-1199.81	1
9189_9190	9189	9190	-61.4205	-8.373	0.012	0.027	-2.6865	-445.874	1
9190_9190	9190	9190	-181.94	-17.2665	-0.0075	-0.0165	-2.697	-1357.21	1
9190_9191	9190	9191	-52.6065	-7.9545	0.015	0.0195	-2.514	-380.876	1
9191_9191	9191	9191	-197.78	-23.7945	-0.006	0.0015	-2.838	-1467.64	1
9191_9192	9191	9192	-44.1615	-7.497	0.0165	0.042	-2.2815	-311.907	1
9192_9192	9192	9192	-208.415	-3.3945	-0.009	0.0075	-2.988	-1548.4	1
9192_9193	9192	9193	-37.242	-6.5565	0.018	0.048	-1.9425	-241.772	1
9193_9193	9193	9193	-216.288	-9.984	-0.015	-0.1875	-3.0795	-1597.35	1
9193_9194	9193	9194	-35.985	7.9965	-0.027	-0.069	-2.274	-251.568	1
9194_9194	9194	9194	-217.76	-11.9025	-0.012	0.1065	-3.231	-1604.22	1
9194_9195	9194	9195	-44.1735	8.586	-0.027	-0.039	-2.6205	-316.055	1
9195_9195	9195	9195	-217.496	-18.372	-0.018	-0.087	-3.3555	-1598.3	1
9195_9196	9195	9196	-52.7655	8.883	-0.027	-0.066	-2.9325	-379.404	1
9196_9196	9196	9196	-211.658	-20.2335	-0.0015	0.201	-3.5145	-1555.13	1
9196_9197	9196	9197	-62.751	9.2835	-0.021	-0.015	-3.1755	-449.4	1
9197_9197	9197	9197	-202.776	-27.102	-0.006	0.018	-3.507	-1489.88	1
9197_9198	9197	9198	-72.8985	9.3795	-0.021	-0.0465	-3.4095	-517.001	1
9198_9198	9198	9198	-188.738	-29.751	0.075	0.237	-3.519	-1389.07	1
9198_9199	9198	9199	-86.124	9.801	-0.006	0.012	-3.483	-603.974	1
9199_9199	9199	9199	-163.464	-37.644	0.0675	0.138	-2.718	-1221.49	1
9199_9200	9199	9200	-89.1915	9.687	-0.0075	0.012	-3.816	-643.655	1
9200_9200	9200	9200	-144.344	-39.7335	0.1035	0.342	-2.223	-1121.13	1
9200_9201	9200	9201	-91.02	9.6645	0.012	0.0855	-3.669	-727.146	1
9201_9201	9201	9201	-96.0435	-45.0795	0.1395	0.432	-1.9185	-1048.08	1
9201_9202	9201	9202	-112.598	37.9725	-0.0915	-0.8025	0.6255	-678.018	1
9202_9202	9202	9202	-55.851	-50.148	-0.2505	0.399	-0.975	-838.851	1
9202_9203	9202	9203	-129.641	42.744	0.342	-0.8475	4.4835	-1039.43	1
9203_9203	9203	9203	-39.774	5.907	-0.015	-0.1095	0.6405	-285.339	1
9203_9204	9203	9204	-140.699	50.5245	0.4035	-1.0815	9.8055	-1481.72	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9204_9204	9204	9204	-156.411	-5.421	0.6495	0.1485	-20.4555	-638.492	1
9204_9205	9204	9205	-18.5745	-34.413	0.0015	0.486	-2.301	-483.612	1
9205_9205	9205	9205	-167.04	-9.4425	0.5865	-0.189	-12.24	-759.206	1
9205_9206	9205	9206	-14.409	-0.591	-0.0885	-0.1155	2.025	-167.451	1
9206_9206	9206	9206	-174.569	-13.2315	0.57	-0.2625	-7.1265	-839.729	1
9206_9207	9206	9207	-14.0025	-0.5625	-0.084	-0.111	1.2765	-159.902	1
9207_9207	9207	9207	-180.522	-16.4625	0.0975	0.2445	-2.262	-909.915	1
9207_9208	9207	9208	-13.614	-0.5235	-0.078	-0.054	0.5925	-153.489	1
9208_9208	9208	9208	-185.379	-20.9535	0.096	0.0585	-1.14	-970.611	1
9208_9209	9208	9209	-13.239	-0.5235	-0.0795	-0.0765	-0.045	-150.809	1
9209_9209	9209	9209	-188.336	-25.848	0.0945	-0.1485	-0.114	-1014.88	1
9209_9210	9209	9210	-12.8865	-0.462	-0.075	-0.0885	-0.7215	-136.803	1
9210_9210	9210	9210	-189.957	-28.1715	-0.0045	0.441	0.759	-1044.4	1
9210_9211	9210	9211	-12.7125	-0.3255	-0.0705	-0.012	-1.146	-135.551	1
9211_9211	9211	9211	-191.153	-32.1705	0.0015	0.2295	0.7605	-1063.3	1
9211_9212	9211	9212	-12.5385	-0.3255	-0.072	-0.039	-1.578	-134.3	1
9212_9212	9212	9212	-192.003	-14.7135	-0.006	-0.189	0.6285	-1079.6	1
9212_9213	9212	9213	-12.363	-0.3255	-0.0735	-0.0645	-2.019	-133.05	1
9213_9213	9213	9213	-192.35	-18.9135	0	-0.4245	0.4995	-1076.48	1
9213_9214	9213	9214	-12.612	1.0005	-0.0105	-0.036	0.1725	46.4445	1
9214_9214	9214	9214	-191.627	-19.932	-0.096	0.378	0.3945	-1062.72	1
9214_9215	9214	9215	-13.326	1.002	-0.033	-0.069	-0.0975	43.2345	1
9215_9215	9215	9215	-190.626	-25.191	-0.0945	0.03	-0.672	-1040.31	1
9215_9216	9215	9216	-14.0475	1.002	-0.027	-0.057	-0.3135	38.0985	1
9216_9216	9216	9216	-188.282	-30.06	-0.0885	-0.306	-1.83	-1003.61	1
9216_9217	9216	9217	-14.769	1.002	-0.021	-0.045	-0.477	32.9625	1
9217_9217	9217	9217	-184.089	-33.0945	-0.5295	0.534	-3	-951.012	1
9217_9218	9217	9218	-15.477	1.0185	-0.069	-0.057	-1.044	29.4255	1
9218_9218	9218	9218	-179.153	-37.215	-0.519	0.102	-7.728	-891.896	1
9218_9219	9218	9219	-23.316	33.66	0.021	-0.36	-1.866	-497.234	1
9219_9219	9219	9219	-172.062	-41.046	-0.5385	-0.111	-12.7245	-805.725	1
9219_9220	9219	9220	-51.3405	38.673	0.0825	-0.498	0.525	-699.687	1
9220_9220	9220	9220	-34.68	-9.861	-0.021	0.2865	1.9245	-331.254	1
9220_9221	9220	9221	-97.074	-13.8735	0.039	-0.201	-8.1975	-1250.47	1
9221_9221	9221	9221	-45.4665	0.684	0.102	-0.4095	-4.1955	-756.446	1
9221_9222	9221	9222	-106.95	-13.6545	0.0375	-0.5355	-7.674	-1095.23	1
9222_9222	9222	9222	-81.6825	-4.011	-0.0645	0.1425	-2.37	-992.586	1
9222_9223	9222	9223	-112.331	-13.2735	0.0225	0.0705	-7.3995	-946.385	1
9223_9223	9223	9223	-139.145	-9.6735	-0.0705	-0.4185	-1.914	-1117.62	1
9223_9224	9223	9224	-118.575	-13.275	0.0135	-0.2565	-4.674	-773.298	1
9224_9224	9224	9224	-175.188	-13.611	-0.027	0.207	-2.706	-1254.53	1
9224_9225	9224	9225	-110.288	-13.3305	0.0345	0.135	-4.3995	-702.956	1
9225_9225	9225	9225	-181.746	-18.9885	-0.0405	-0.3225	-3.2175	-1430.89	1
9225_9226	9225	9226	-86.451	-13.2885	0.0405	-0.069	-4.2825	-606.998	1
9226_9226	9226	9226	-197.72	-23.865	0.009	0.3675	-3.9045	-1561.19	1
9226_9227	9226	9227	-73.128	-12.8355	0.0375	0.1815	-3.8505	-514.011	1
9227_9227	9227	9227	-206.417	-30.9795	0.006	-0.2535	-3.8475	-1633.43	1
9227_9228	9227	9228	-60.1095	-12.2415	0.039	-0.003	-3.324	-407.355	1
9228_9228	9228	9228	-208.772	-34.578	0.0135	0.5235	-3.768	-1657.87	1
9228_9229	9228	9229	-61.7475	11.586	-0.012	0.009	-2.844	-451.199	1
9229_9229	9229	9229	-207.192	-19.1115	0.0075	-0.3135	-3.528	-1651.64	1
9229_9230	9229	9230	-73.983	11.982	-0.012	-0.156	-3.009	-548.924	1
9230_9230	9230	9230	-199.473	-22.581	0.0375	0.5535	-3.33	-1591.92	1
9230_9231	9230	9231	-87.9045	12.822	-0.015	0.138	-3.195	-655.247	1
9231_9231	9231	9231	-188.594	-29.835	0.0255	-0.0015	-2.8635	-1505.68	1
9231_9232	9231	9232	-98.466	12.903	-0.0165	-0.063	-3.3435	-731.828	1
9232_9232	9232	9232	-174.578	-34.977	0.0225	-0.534	-4.275	-1424.92	1
9232_9233	9232	9233	-100.52	12.7995	-0.0315	-0.294	-5.5635	-763.212	1
9233_9233	9233	9233	-168.647	-34.1895	0.2175	0.4965	-4.197	-1388.04	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9233_9234	9233	9234	-107.189	13.3245	0.0165	0.252	-5.385	-854.145	1
9234_9234	9234	9234	-146.055	-39.4635	0.1875	0.141	-2.4015	-1281.89	1
9234_9235	9234	9235	-108.411	12.993	0.0135	0.1035	-5.2875	-927.974	1
9235_9235	9235	9235	-100.124	-42.834	0.2445	-0.468	-2.127	-1313.99	1
9235_9236	9235	9236	-89.7375	13.4355	0.015	-0.312	-8.1165	-1088.46	1
9236_9236	9236	9236	-82.3035	-44.6835	0.3825	0.669	-1.155	-1216.24	1
9236_9237	9236	9237	-84.837	13.809	0.255	0.6975	-5.529	-1207.02	1
9237_9237	9237	9237	-55.362	-48.9465	0.402	-0.3675	1.782	-1047.25	1
9237_9238	9237	9238	-92.0175	45.186	-0.06	-1.074	-2.8155	-816.602	1
9238_9238	9238	9238	-38.7645	2.889	-0.045	0.3225	-3.804	-447.134	1
9238_9239	9238	9239	-101.616	45.6435	0.7515	-1.6455	3.3315	-1110.08	1
9239_9239	9239	9239	-36.0015	2.7585	-0.042	0.189	-4.236	-476.09	1
9239_9240	9239	9240	-105.195	48.405	0.846	-2.3625	6.822	-1244.67	1
9240_9240	9240	9240	-184.076	-19.8015	-0.591	-2.823	-18.7875	-960.785	1
9240_9241	9240	9241	-27.0915	-1.122	0.2535	0.51	3.297	34.6545	1
9241_9241	9241	9241	-182.804	-13.7475	0.516	0.993	-21.8595	-974.213	1
9241_9242	9241	9242	-26.5635	-1.9485	-0.0645	0.1125	3.093	38.8365	1
9242_9242	9242	9242	-184.707	-15.1935	0.501	0.5355	-18.771	-997.215	1
9242_9243	9242	9243	-24.3285	-1.9455	-0.048	0.1245	2.3235	53.442	1
9243_9243	9243	9243	-188.438	-21.4545	0.465	-0.1725	-11.9715	-1081.19	1
9243_9244	9243	9244	-22.9755	-1.9455	-0.0315	0.153	2.043	65.505	1
9244_9244	9244	9244	-188.169	-20.6325	0.5235	0.69	-7.821	-1113.96	1
9244_9245	9244	9245	-21.315	-2.0505	-0.024	0.0975	1.7985	80.274	1
9245_9245	9245	9245	-191.27	-26.331	0.5925	-0.054	-1.962	-1176.04	1
9245_9246	9245	9246	-19.878	-1.9995	-0.009	0.135	1.7145	86.952	1
9246_9246	9246	9246	-192.393	-30.1005	-0.0585	0.6	3.876	-1209.18	1
9246_9247	9246	9247	-18.21	-2.04	-0.0135	0.0825	1.5735	101.7825	1
9247_9247	9247	9247	-193.991	-13.197	0.006	-0.63	3.357	-1236.37	1
9247_9248	9247	9248	-16.7745	-2.04	0.0075	0.1515	1.6425	114.57	1
9248_9248	9248	9248	-195.512	-16.986	-0.174	0.327	3.2055	-1236.11	1
9248_9249	9248	9249	-15.2475	-2.073	0.0165	0.0645	1.704	122.9835	1
9249_9249	9249	9249	-196.176	-22.8015	-0.1545	-0.378	1.002	-1219.94	1
9249_9250	9249	9250	-13.629	-2.0415	0.0285	0.1215	1.92	134.04	1
9250_9250	9250	9250	-195.281	-26.5665	-0.867	0.285	-1.311	-1180.58	1
9250_9251	9250	9251	-11.994	-2.1195	0.054	0.0405	2.3445	144.522	1
9251_9251	9251	9251	-193.85	-31.7145	-0.852	-0.369	-10.965	-1132.35	1
9251_9252	9251	9252	-10.407	-2.082	0.066	0.108	2.8665	154.725	1
9252_9252	9252	9252	-189.957	-31.5435	0.7635	3.1695	-20.172	-1060.5	1
9252_9253	9252	9253	-9.855	-2.211	-0.111	-0.2805	2.5155	159.51	1
9253_9253	9253	9253	-190.049	-33.09	0.777	2.811	-17.382	-1039.69	1
9253_9254	9253	9254	-26.6085	34.461	0.0735	-0.174	-0.9345	-767.163	1
9254_9254	9254	9254	-48.585	-10.122	-0.201	0.7455	3.3315	-462.329	1
9254_9255	9254	9255	-94.1415	-31.872	-0.987	2.46	-5.547	-786.807	1
9255_9255	9255	9255	-47.5515	-11.6415	0.114	0.3645	0.987	-362.594	1
9255_9256	9255	9256	-92.127	-14.9625	-0.7095	0.2295	-1.4175	-1263.43	1
9256_9256	9256	9256	-67.2735	-5.592	-1.023	-0.474	4.62	-1071	1
9256_9257	9256	9257	-97.2495	-14.8395	-0.7155	-0.7455	-9.2205	-1121.28	1
9257_9257	9257	9257	-95.835	-6.8895	0.1335	0.3945	-6.8295	-1238.94	1
9257_9258	9257	9258	-98.097	-14.1945	-0.003	0.2145	-9.294	-1064.12	1
9258_9258	9258	9258	-132.377	-8.3415	0.084	-0.0165	-4.002	-1189.56	1
9258_9259	9258	9259	-113.426	-13.806	-0.0045	-0.018	-5.9865	-864.294	1
9259_9259	9259	9259	-162.366	-13.431	0.0825	-0.3375	-3.1305	-1315.86	1
9259_9260	9259	9260	-107.559	-14.178	-0.0075	-0.1545	-6.069	-796.55	1
9260_9260	9260	9260	-177.081	-15.1065	-0.027	0.531	-2.571	-1389.84	1
9260_9261	9260	9261	-103.901	-13.842	0.0555	0.3165	-5.8965	-767.94	1
9261_9261	9261	9261	-190.136	-16.8825	-0.0285	0.1275	-2.016	-1343.74	1
9261_9262	9261	9262	-92.5035	-13.917	0.0405	0.1185	-4.0125	-626.315	1
9262_9262	9262	9262	-204.564	-23.2395	-0.036	-0.3885	-2.4105	-1450.59	1
9262_9263	9262	9263	-79.533	-13.8555	0.039	-0.0885	-3.6525	-542.711	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9263_9263	9263	9263	-212.198	-25.965	-0.0285	0.246	-2.8455	-1511.29	1
9263_9264	9263	9264	-64.8015	-13.2045	0.021	0.1335	-3.414	-446.979	1
9264_9264	9264	9264	-219.111	-33.18	-0.0255	-0.093	-3.231	-1567.79	1
9264_9265	9264	9265	-50.7795	-12.9105	0.021	0.0465	-3.165	-352.605	1
9265_9265	9265	9265	-218.231	-37.107	-0.003	0.3585	-3.495	-1572.34	1
9265_9266	9265	9266	-65.9445	14.6085	-0.0015	0.015	-2.817	-531.893	1
9266_9266	9266	9266	-213.792	-21.111	0.003	-0.102	-3.4125	-1556.59	1
9266_9267	9266	9267	-81.5685	14.6085	-0.006	-0.081	-2.8815	-630.429	1
9267_9267	9267	9267	-204.113	-24.855	0.084	0.36	-3.264	-1491.71	1
9267_9268	9267	9268	-91.221	15.222	0.0135	0.1125	-2.787	-691.349	1
9268_9268	9268	9268	-197.591	-28.701	0.078	0.237	-2.6955	-1446.38	1
9268_9269	9268	9269	-100.947	15.282	0.0135	0.072	-2.6835	-754.688	1
9269_9269	9269	9269	-172.886	-32.688	0.093	-0.0045	-2.997	-1511.9	1
9269_9270	9269	9270	-101.778	15.339	0.0135	-0.0315	-3.522	-923.846	1
9270_9270	9270	9270	-153.228	-35.8185	0.162	0.576	-2.2455	-1407.52	1
9270_9271	9270	9271	-105.51	15.9495	0.0435	0.372	-3.054	-1047.58	1
9271_9271	9271	9271	-102.929	-40.653	0.2085	0.4365	-1.677	-1409.53	1
9271_9272	9271	9272	-87.237	16.647	0.06	0.345	-4.227	-1256.28	1
9272_9272	9272	9272	-79.494	-44.2965	0.168	-0.27	-0.8985	-1287.04	1
9272_9273	9272	9273	-84.7035	16.899	0.0495	-0.201	-4.0125	-1330.58	1
9273_9273	9273	9273	-64.614	-45.8505	-0.2175	0.795	-0.546	-1200.89	1
9273_9274	9273	9274	-90.033	44.1615	0.5295	-0.7365	3.246	-757.965	1
9274_9274	9274	9274	-34.0245	-50.4405	-0.1065	0.0345	-3.012	-977.15	1
9274_9275	9274	9275	-105.654	52.224	0.636	-1.6545	11.5665	-1190.47	1
9275_9275	9275	9275	-182.903	-12.1305	0.729	0.0735	-27.0435	-1000.16	1
9275_9276	9275	9276	-20.922	-1.647	0.12	0.2835	-3.27	41.1225	1
9276_9276	9276	9276	-184.544	-14.3685	0.7215	-0.2055	-22.6485	-1034.86	1
9276_9277	9276	9277	-20.3385	-1.6245	0.1275	0.2955	-2.8095	49.2015	1
9277_9277	9277	9277	-186.83	-16.635	0.651	-0.597	-16.8015	-1048.24	1
9277_9278	9277	9278	-18.081	-1.644	0.1215	0.2685	-1.3185	53.457	1
9278_9278	9278	9278	-188.534	-18.762	0.2055	0.7005	-9.729	-1094.34	1
9278_9279	9278	9279	-16.6995	-1.5585	0.0285	0.126	-1.0005	65.523	1
9279_9279	9279	9279	-189.533	-24.7335	0.219	-0.2925	-6.345	-1139.91	1
9279_9280	9279	9280	-15.2625	-1.557	0.051	0.1815	-0.489	80.451	1
9280_9280	9280	9280	-187.985	-27.114	-0.072	0.747	-3.0645	-1156	1
9280_9281	9280	9281	-13.557	-1.845	0.0105	0.084	-0.3015	92.712	1
9281_9281	9281	9281	-188.315	-34.185	-0.0555	-0.207	-3.411	-1175.42	1
9281_9282	9281	9282	-11.8125	-1.845	0.03	0.1545	0.0615	107.7705	1
9282_9282	9282	9282	-173.228	-15.291	0.063	0.6495	-4.545	-1206.2	1
9282_9283	9282	9283	-13.674	-2.0355	0.063	0.027	0.762	146.9415	1
9283_9283	9283	9283	-175.595	-22.938	0.0555	-1.0245	-3.312	-1180.19	1
9283_9284	9283	9284	-12.126	-2.0355	0.1065	0.222	1.965	163.6155	1
9284_9284	9284	9284	-177.141	-24.51	-1.2405	0.459	-3.1875	-1133.05	1
9284_9285	9284	9285	-10.4775	-2.337	0.516	0.003	7.1265	175.7835	1
9285_9285	9285	9285	-180.365	-29.8455	-1.338	-0.537	-17.9985	-1103.98	1
9285_9286	9285	9286	-8.9895	-2.337	0.543	0.147	12.225	191.766	1
9286_9286	9286	9286	-182.291	-19.8705	1.488	1.653	-35.313	-1023.06	1
9286_9287	9286	9287	-8.229	-2.7255	-0.426	-0.3225	9.9465	191.6295	1
9287_9287	9287	9287	-183.98	-21.642	1.578	1.959	-31.6635	-1031.37	1
9287_9288	9287	9288	-19.041	36.39	0.4665	-0.2295	-6.4455	-919.947	1
9288_9288	9288	9288	-27.7305	-6.3285	0.702	-1.0125	-5.6715	-649.185	1
9288_9289	9288	9289	-78.999	-21.378	2.3025	-2.913	13.308	-1583.27	1
9289_9289	9289	9289	-42.4455	1.2765	-1.5195	0.726	22.647	-937.022	1
9289_9290	9289	9290	-86.166	-12.5115	-1.407	0.369	-3.876	-1442.03	1
9290_9290	9290	9290	-70.2915	-3.6075	-1.5465	-0.5655	4.161	-1246.64	1
9290_9291	9290	9291	-89.094	-12.6945	-1.407	-0.7365	-20.112	-1311.56	1
9291_9291	9291	9291	-98.5275	-4.9995	0.225	1.0365	-14.106	-1517.72	1
9291_9292	9291	9292	-88.755	-11.1555	0.324	0.8115	-18.8235	-1272.64	1
9292_9292	9292	9292	-128.933	21.1965	0.0585	-0.1665	-9.4515	-1527.78	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9292_9293	9292	9293	-100.1	-11.1915	0.2205	0.0255	-11.0325	-1111.77	1
9293_9293	9293	9293	-149.994	16.818	0.036	-0.7635	-9.2505	-1720.41	1
9293_9294	9293	9294	-94.2405	-11.4165	0.219	-0.2895	-9.2775	-1048	1
9294_9294	9294	9294	-166.263	18.603	0.2325	1.119	-9.282	-1901.67	1
9294_9295	9294	9295	-91.7625	-9.8505	0.0855	0.726	-8.9325	-1020.57	1
9295_9295	9295	9295	-148.46	16.6185	0.363	-0.183	-13.1115	-2149.09	1
9295_9296	9295	9296	-72.9	-9.885	0.1305	0.174	-12.528	-1019.15	1
9296_9296	9296	9296	-166.005	11.0685	0.378	-1.9365	-9.735	-2395.55	1
9296_9297	9296	9297	-68.5065	-9.879	0.1305	-0.54	-11.463	-958.08	1
9297_9297	9297	9297	-178.113	11.1615	0.0585	1.038	-6.717	-2565.27	1
9297_9298	9297	9298	-62.934	-9.033	0.084	0.591	-10.4955	-880.949	1
9298_9298	9298	9298	-193.896	4.7385	0.0795	-1.9065	-6.1275	-2786.46	1
9298_9299	9298	9299	-57.762	-8.9805	0.084	-0.3075	-9.6765	-806.963	1
9299_9299	9299	9299	-204.332	4.14	0.072	1.503	-5.0415	-2932.68	1
9299_9300	9299	9300	-52.947	-8.2965	0.1035	0.6075	-8.5665	-739.865	1
9300_9300	9300	9300	-213.672	-2.0625	0.084	-1.5585	-4.0875	-3062.91	1
9300_9301	9300	9301	-47.2305	-8.2965	0.1035	-0.111	-7.242	-660.768	1
9301_9301	9301	9301	-218.735	-3.855	0.099	2.0445	-2.604	-3132.8	1
9301_9302	9301	9302	-42.2535	-7.7865	0.1185	0.612	-5.8575	-590.501	1
9302_9302	9302	9302	-222.875	-36.618	0.084	-1.509	-1.8525	-3190.38	1
9302_9303	9302	9303	-37.344	-7.716	0.1185	-0.0825	-4.479	-519.399	1
9303_9303	9303	9303	-222.179	-37.899	0.057	2.115	-0.198	-3180.49	1
9303_9304	9303	9304	-32.337	-7.4175	0.111	0.504	-3.0825	-450.111	1
9304_9304	9304	9304	-218.438	-45.3465	0.0705	-1.0335	1.0725	-3126.9	1
9304_9305	9304	9305	-27.975	-7.3245	0.111	0.048	-1.8345	-385.811	1
9305_9305	9305	9305	-208.998	-47.307	-0.015	2.7975	2.3025	-2992.95	1
9305_9306	9305	9306	-23.6715	-7.122	0.0495	0.5145	-1.251	-321.176	1
9306_9306	9306	9306	-196.197	-54.3435	-0.0045	-0.645	2.442	-2810.77	1
9306_9307	9306	9307	-18.882	-6.984	0.0495	0.117	-0.5835	-250.97	1
9307_9307	9307	9307	-173.453	-58.974	-0.1635	2.049	2.763	-2487.65	1
9307_9308	9307	9308	-14.478	-6.675	-0.162	0.351	-2.3985	-179.334	1
9308_9308	9308	9308	-145.487	-67.3125	-0.1245	0.2775	1.2435	-2089.96	1
9308_9309	9308	9309	-10.5	-5.8545	-0.153	0.177	-3.921	-110.661	1
9309_9309	9309	9309	-110.889	-82.1655	-0.2955	1.77	0.138	-1605.22	1
9309_9310	9309	9310	-7.023	-5.037	-0.402	0.234	-8.2935	-54.114	1
9310_9310	9310	9310	-67.1295	-91.182	-0.249	0.5685	-2.3355	-984.05	1
9310_9311	9310	9311	-7.518	17.8965	0.3	-0.729	11.0325	-11.8815	1
9311_9311	9311	9311	-13.749	-100.775	1.017	0.5835	-3.372	-227.022	1
9311_9312	9311	9312	-12.678	39.3045	-3.714	0.1395	0	-66.4965	1
9400_9020	9400	9020	-31.5705	-1.7985	-0.102	-0.036	21.468	-158.663	1
9400_9401	9400	9401	-160.839	14.142	19.245	0.4995	-76.272	90.9285	1
9401_9401	9401	9401	-31.5105	-1.914	-1.3995	0.585	20.769	-151.295	1
9401_9402	9401	9402	-160.736	13.146	5.5125	-1.569	-57.555	44.994	1
9402_9402	9402	9402	-31.458	-2.6775	-1.3365	-0.0885	15.807	-144.624	1
9402_9403	9402	9403	-160.995	9.249	5.8275	-0.084	6.0795	-55.9605	1
9403_9403	9403	9403	-32.04	-3.711	-0.168	0.12	1.26	-116.018	1
9403_9404	9403	9404	-154.005	4.5195	-0.1965	-0.285	3.096	-88.539	1
9404_9404	9404	9404	-31.944	-4.455	-0.147	0.066	0.036	-89.262	1
9404_9405	9404	9405	-154.07	0.9345	-0.105	-0.4095	2.3115	-95.277	1
9405_9405	9405	9405	-33.9495	-5.7315	0.1125	0.1035	-0.972	-57.252	1
9405_9406	9405	9406	-145.098	-3.9825	-0.2115	-0.2565	-2.0445	-37.884	1
9406_9406	9406	9406	-35.922	-7.041	2.202	0.207	0.717	25.554	1
9406_9407	9406	9407	-137.565	-8.883	-1.953	-0.3765	-20.4825	40.758	1
9407_9407	9407	9407	-35.769	-7.776	2.2275	-0.15	20.2365	87.8835	1
9407_9408	9407	9408	-137.357	-11.703	-1.86	0.0705	-30.81	105.8025	1
9408_9408	9408	9408	-40.917	0.4005	-2.1555	2.667	33.552	131.0865	1
9408_9409	9408	9409	-139.481	10.983	-6.7215	2.085	23.5575	190.665	1
9409_9409	9409	9409	-41.1225	-0.783	-0.4815	-2.613	27.0135	128.7615	1
9409_9410	9409	9410	-139.914	-12.2955	-5.3475	-2.034	7.3995	226.722	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9410_9410	9410	9410	-39.963	7.626	-1.74	0.1905	25.0065	130.926	1
9410_9411	9410	9411	-146.696	17.3505	-0.8835	0.1185	3.4365	130.293	1
9411_9411	9411	9411	-40.113	6.81	-1.671	0.018	15.2745	88.5525	1
9411_9412	9411	9412	-147.02	14.352	-0.639	0.2565	-2.3115	3.261	1
9412_9412	9412	9412	-41.5575	5.367	-0.0855	0.06	0.738	28.155	1
9412_9413	9412	9413	-155.87	9.099	0.099	0.2115	0.408	-127.965	1
9413_9413	9413	9413	-42.9945	3.972	-0.2535	0.078	-0.1935	-49.254	1
9413_9414	9413	9414	-166.053	3.9735	-0.165	0.3795	0.642	-156.621	1
9414_9414	9414	9414	-43.0755	2.9715	-0.2205	0.069	-1.9995	-77.8905	1
9414_9415	9414	9415	-166.101	0.114	-0.0435	0.2505	0.375	-157.446	1
9415_9415	9415	9415	-41.766	1.647	-2.5995	-0.111	-3.288	-98.8995	1
9415_9416	9415	9416	-173.18	-4.8915	-6.1365	0.0345	-64.8735	-104.051	1
9416_9416	9416	9416	-41.793	0.6135	-2.6205	0.729	-31.668	-116.868	1
9416_9417	9416	9417	-173.003	-9.1695	-6.222	1.689	-86.619	-71.985	1
9417_9417	9417	9417	-41.7495	0.4755	0.711	-0.0375	-41.208	-119.04	1
9417_9036	9417	9036	-173.147	-10.038	-15.702	-0.351	-150.492	-30.936	1
9420_9056	9420	9056	-42.4575	0.306	-0.9465	-0.0285	-17.772	-86.013	1
9420_9421	9420	9421	-167.325	11.646	16.0275	0.27	-57.624	-1.9695	1
9421_9421	9421	9421	-42.4725	0.192	1.41	-0.324	-21.501	-87.2595	1
9421_9422	9421	9422	-167.171	10.6845	4.386	-1.1595	-42.951	-39.2265	1
9422_9422	9422	9422	-42.4635	-0.8265	1.443	0.0045	-16.6095	-87.927	1
9422_9423	9422	9423	-167.375	6.675	4.5165	-0.1605	6.345	-112.106	1
9423_9423	9423	9423	-41.901	-2.0685	0.0705	-0.0375	-1.2615	-79.0845	1
9423_9424	9423	9424	-158.702	1.9065	-0.3105	-0.219	2.2005	-125.84	1
9424_9424	9424	9424	-41.8425	-3.042	0.1065	-0.075	-0.7755	-64.182	1
9424_9425	9424	9425	-158.703	-1.788	-0.174	-0.378	0.9	-112.95	1
9425_9425	9425	9425	-39.36	-4.335	0.024	-0.0435	-0.438	-42.2445	1
9425_9426	9425	9426	-148.206	-6.6555	0.099	-0.2085	0.7095	-17.0115	1
9426_9426	9426	9426	-36.9675	-5.6325	0.696	-0.039	-0.462	20.2545	1
9426_9427	9426	9427	-139.493	-11.1765	-1.209	-0.306	-11.3655	79.3755	1
9427_9427	9427	9427	-36.8445	-6.3855	0.7455	-0.066	5.7345	70.131	1
9427_9428	9427	9428	-139.236	-14.0235	-1.023	0.027	-17.01	157.35	1
9428_9428	9428	9428	-36.1725	1.2045	1.2855	1.6545	9.651	105.651	1
9428_9429	9428	9429	-132.021	13.041	-6.447	1.437	13.1625	112.743	1
9429_9429	9429	9429	-36.1725	-1.089	2.37	-1.6365	13.533	101.7165	1
9429_9430	9429	9430	-132.38	-14.247	-5.046	-1.4085	-2.0865	155.1825	1
9430_9430	9430	9430	-33.3345	5.6925	-1.4415	0.183	19.56	94.41	1
9430_9431	9430	9431	-139.95	13.5795	-0.1185	0.1305	-1.902	71.9715	1
9431_9431	9431	9431	-33.4455	5.0145	-1.4085	0.009	11.517	62.7615	1
9431_9432	9431	9432	-140.196	10.728	0.021	0.2385	-1.743	-23.016	1
9432_9432	9432	9432	-34.2975	3.813	0.0225	0.0585	-0.6915	18.2265	1
9432_9433	9432	9433	-148.649	5.7555	-0.045	0.2175	-1.0095	-106.011	1
9433_9433	9433	9433	-35.2455	2.6655	0.0045	0.0825	-0.1125	-36.756	1
9433_9434	9433	9434	-158.739	0.891	0.252	0.3645	2.4045	-112.436	1
9434_9434	9434	9434	-35.2995	1.83	0.024	0.0525	-0.069	-55.962	1
9434_9435	9434	9435	-158.715	-2.8695	0.3405	0.2445	4.8915	-91.743	1
9435_9435	9435	9435	-33.648	0.7605	-2.349	-0.039	0.3525	-68.931	1
9435_9436	9435	9436	-166.653	-7.602	-4.9305	0.1245	-47.0265	-8.772	1
9436_9436	9436	9436	-33.66	-0.069	-2.2935	0.459	-25.2375	-77.244	1
9436_9437	9436	9437	-166.422	-11.7135	-4.6635	1.2705	-63.303	32.142	1
9437_9437	9437	9437	-33.5925	-0.1905	0.786	-0.0495	-33.894	-76.995	1
9437_9072	9437	9072	-166.562	-12.576	-16.1895	-0.303	-129.096	83.634	1
9440_9094	9440	9094	-37.5585	0.12	-0.5895	0.0435	-23.0325	-86.9205	1
9440_9441	9440	9441	-167.768	12.168	15.3315	0.285	-46.0275	14.6055	1
9441_9441	9441	9441	-37.6035	-0.0135	1.7985	-0.423	-24.996	-87.402	1
9441_9442	9441	9442	-167.576	11.2275	3.657	-1.101	-33.981	-24.564	1
9442_9442	9442	9442	-37.5915	-0.9255	1.812	0	-18.732	-87.351	1
9442_9443	9442	9443	-167.798	7.1625	3.7155	-0.285	6.567	-102.762	1
9443_9443	9443	9443	-38.349	-2.088	-0.048	-0.0855	0.6675	-77.4495	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9443_9444	9443	9444	-158.996	2.373	-0.2775	-0.348	2.475	-119.846	1
9444_9444	9444	9444	-38.292	-2.9625	-0.057	-0.0795	0.321	-62.4105	1
9444_9445	9444	9445	-159.009	-1.2525	-0.309	-0.3795	0.2415	-110.81	1
9445_9445	9445	9445	-36.9435	-4.224	-0.0225	-0.0705	-0.4245	-41.121	1
9445_9446	9445	9446	-148.881	-6.1785	0.1665	-0.2565	0.915	-21.7395	1
9446_9446	9446	9446	-35.715	-5.493	0.9735	-0.081	-1.0935	19.8285	1
9446_9447	9446	9447	-140.454	-11.1	-0.708	-0.351	-6.8085	76.5975	1
9447_9447	9447	9447	-35.5875	-6.2535	1.068	-0.072	7.599	68.484	1
9447_9448	9447	9448	-140.187	-14.0955	-0.3435	-0.015	-8.631	154.848	1
9448_9448	9448	9448	-36.3555	1.3845	0.408	2.529	13.743	103.2705	1
9448_9449	9448	9449	-132.188	14.253	5.1555	0.7845	5.4105	112.9065	1
9449_9449	9449	9449	-36.3105	-1.137	1.5645	-2.613	14.9955	98.9835	1
9449_9450	9449	9450	-131.898	-13.0335	5.5455	-0.792	22.1865	152.4945	1
9450_9450	9450	9450	-32.3145	6.2715	-1.4145	0.054	18.9525	102.318	1
9450_9451	9450	9451	-134.388	13.2465	0.87	0.1305	-8.106	71.8695	1
9451_9451	9451	9451	-32.436	5.6055	-1.4265	-0.195	11.0925	67.4505	1
9451_9452	9451	9452	-134.633	10.4805	0.8265	0.2745	-0.7695	-20.961	1
9452_9452	9452	9452	-30.9045	4.404	0.081	-0.1155	-1.4775	17.3895	1
9452_9453	9452	9453	-143.439	5.772	-0.138	0.249	-1.284	-104.172	1
9453_9453	9453	9453	-29.1615	3.282	-0.0495	-0.105	-0.2955	-46.107	1
9453_9454	9453	9454	-153.942	1.113	0.2385	0.396	2.1465	-112.197	1
9454_9454	9454	9454	-29.2305	2.5905	-0.042	-0.1065	-0.6435	-69.7575	1
9454_9455	9454	9455	-153.93	-2.1525	0.264	0.315	4.0095	-102.296	1
9455_9455	9455	9455	-28.689	1.629	1.0575	0	-0.975	-87.825	1
9455_9456	9455	9456	-163.619	-7.1325	-3.276	0.309	-29.532	-16.0125	1
9456_9456	9456	9456	-28.719	0.9405	1.0845	-0.3525	10.593	-105.612	1
9456_9457	9456	9457	-163.403	-11.052	-3.1275	1.002	-40.4235	22.5435	1
9457_9457	9457	9457	-28.797	0.822	0.216	0.048	14.8395	-108.896	1
9457_9110	9457	9110	-163.581	-11.982	-16.0965	-0.258	-105.399	71.631	1
9460_9132	9460	9132	-46.071	1.3965	-0.8475	0.039	-20.862	-84.5835	1
9460_9461	9460	9461	-193.533	15.5805	13.8675	0.2235	-39.729	7.356	1
9461_9461	9461	9461	-46.101	1.1925	1.758	-0.471	-23.8215	-90.3015	1
9461_9462	9461	9462	-193.431	14.544	3.3315	-1.002	-28.9605	-43.3605	1
9462_9462	9462	9462	-46.1175	0.0855	1.7145	0.0405	-17.673	-94.464	1
9462_9463	9462	9463	-193.728	9.897	3.1575	-0.267	5.5155	-151.457	1
9463_9463	9463	9463	-47.8845	-1.386	-0.06	-0.0525	0.75	-95.778	1
9463_9464	9463	9464	-186.951	4.2765	-0.2475	-0.285	1.734	-182.267	1
9464_9464	9464	9464	-47.838	-2.499	-0.06	-0.06	0.312	-85.7865	1
9464_9465	9464	9465	-187.001	-0.0705	-0.2475	-0.3255	-0.0555	-181.757	1
9465_9465	9465	9465	-47.631	-4.1475	-0.018	-0.03	-0.363	-67.7985	1
9465_9466	9465	9466	-179.358	-6.099	0.0165	-0.1575	-1.3305	-93.882	1
9466_9466	9466	9466	-47.5935	-5.8095	0.501	-0.012	-0.8775	-8.037	1
9466_9467	9466	9467	-173.142	-12.126	0.942	-0.075	5.6055	13.5945	1
9467_9467	9467	9467	-47.46	-6.8085	0.558	-0.039	3.588	43.458	1
9467_9468	9467	9468	-172.848	-15.7605	1.143	-0.1785	11.9595	101.1825	1
9468_9468	9468	9468	-48.6495	3.3645	-0.0735	0.942	6.864	81.2985	1
9468_9469	9468	9469	-168.611	19.101	4.332	0.009	25.1985	55.4625	1
9469_9469	9469	9469	-41.0325	-3.4065	-0.5385	-0.651	6.504	39.33	1
9469_9470	9469	9470	-153.377	-18.8895	-4.7685	0.48	8.349	65.5155	1
9470_9470	9470	9470	-40.8555	5.2065	-0.366	0.051	4.803	49.5645	1
9470_9471	9470	9471	-158.682	13.0455	-0.663	0.147	4.698	-14.538	1
9471_9471	9471	9471	-40.9545	4.365	-0.414	-0.0285	2.7825	20.628	1
9471_9472	9471	9472	-158.916	9.7785	-0.8475	0.0675	-2.8065	-101.123	1
9472_9472	9472	9472	-41.6115	2.913	0.015	0.009	-0.6045	-18.0195	1
9472_9473	9472	9473	-165.558	4.1805	-0.009	0.1455	-1.5435	-161.4	1
9473_9473	9473	9473	-42.324	1.5	-0.018	0.027	-0.0945	-59.9535	1
9473_9474	9473	9474	-173.621	-1.275	0.2325	0.3045	1.6725	-152.214	1
9474_9474	9474	9474	-42.348	0.5145	-0.018	0.0315	-0.225	-70.7655	1
9474_9475	9474	9475	-173.552	-4.9215	0.219	0.261	3.174	-122.874	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9475_9475	9475	9475	-42.0705	-0.7725	-0.702	0.0195	-0.1125	-74.166	1
9475_9476	9475	9476	-181.799	-10.512	-2.337	0.3015	-20.361	0.8445	1
9476_9476	9476	9476	-42.0405	-1.782	-0.663	0.1455	-7.758	-65.727	1
9476_9477	9476	9477	-181.496	-14.871	-2.1735	0.7905	-27.93	52.707	1
9477_9477	9477	9477	-42.0465	-1.905	1.083	0.033	-10.1265	-59.5125	1
9477_9148	9477	9148	-181.638	-15.84	-13.977	-0.186	-83.9715	117.558	1
9480_9168	9480	9168	-46.764	1.776	-0.885	-0.0195	-7.254	-69.423	1
9480_9481	9480	9481	-184.989	15.474	14.4045	0.255	-27.273	34.6155	1
9481_9481	9481	9481	-46.7535	1.6695	0.7605	-0.2055	-10.893	-76.6845	1
9481_9482	9481	9482	-184.83	14.6205	2.3475	-0.78	-20.193	-16.4985	1
9482_9482	9482	9482	-46.7805	0.501	0.7605	0	-8.235	-82.5255	1
9482_9483	9482	9483	-185.138	9.9975	2.3475	-0.276	5.406	-125.577	1
9483_9483	9483	9483	-46.887	-0.924	-0.0225	0.027	-0.201	-88.0455	1
9483_9484	9483	9484	-176.351	4.707	-0.357	-0.141	1.1385	-159.492	1
9484_9484	9484	9484	-46.8525	-2.013	0.0435	-0.0765	-0.4035	-81.3915	1
9484_9485	9484	9485	-176.414	0.606	-0.114	-0.387	0.2355	-163.863	1
9485_9485	9485	9485	-45.9195	-3.588	-0.0375	-0.0045	-0.369	-66.876	1
9485_9486	9485	9486	-167.822	-5.0055	-0.0495	-0.129	-1.8585	-91.6875	1
9486_9486	9486	9486	-44.976	-5.2215	0.594	0.0465	-1.2105	-15.012	1
9486_9487	9486	9487	-160.542	-10.7325	1.0785	-0.045	6.3525	3.3405	1
9487_9487	9487	9487	-44.8605	-6.147	0.5085	-0.093	4.0215	31.227	1
9487_9488	9487	9488	-160.289	-14.0325	0.7785	-0.1815	10.6755	81.3285	1
9488_9488	9488	9488	-44.9625	3.2565	0.9705	0.822	6.99	65.379	1
9488_9489	9488	9489	-154.58	18.0825	5.9265	-0.36	28.71	34.461	1
9489_9489	9489	9489	-39.195	-3.012	-0.201	-0.8955	7.656	50.058	1
9489_9490	9489	9490	-156.084	-19.206	-5.601	0.3255	11.2665	70.8555	1
9490_9490	9490	9490	-38.559	5.172	-0.5205	0.0915	6.867	58.7835	1
9490_9491	9490	9491	-161.801	13.635	-0.8955	0.1785	6.291	-4.9185	1
9491_9491	9491	9491	-38.658	4.3605	-0.567	-0.027	3.99	30.042	1
9491_9492	9491	9492	-162.051	10.2315	-1.083	0.051	-3.3105	-95.6025	1
9492_9492	9492	9492	-39.0315	3.0045	0.0405	0.021	-0.819	-8.64	1
9492_9493	9492	9493	-169.17	4.581	0.0705	0.135	-0.951	-161.604	1
9493_9493	9493	9493	-39.4755	1.6635	-0.006	0.0855	-0.066	-51.9315	1
9493_9494	9493	9494	-177.636	-1.1235	0.1065	0.393	1.131	-153.509	1
9494_9494	9494	9494	-39.5025	0.7455	0.0495	-0.0015	-0.081	-63.9255	1
9494_9495	9494	9495	-177.563	-5.2515	0.3525	0.153	3.7545	-115.659	1
9495_9495	9495	9495	-38.7225	-0.4785	-1.056	0.0135	0.4455	-69.0255	1
9495_9496	9495	9496	-186.117	-10.6845	-2.4195	0.2805	-21.0165	1.1145	1
9496_9496	9496	9496	-38.703	-1.368	-1.0215	0.21	-11.085	-63.8055	1
9496_9497	9496	9497	-185.825	-14.961	-2.253	0.765	-28.8405	53.1465	1
9497_9497	9497	9497	-38.6895	-1.5255	0.966	0.0045	-14.8665	-59.049	1
9497_9184	9497	9184	-185.91	-16.1085	-14.838	-0.3	-88.515	119.0955	1
9500_9204	9500	9204	-35.955	0.0765	-0.4665	-0.0285	-11.8515	-84.7035	1
9500_9501	9500	9501	-182.474	12.294	17.283	0.5835	-40.368	-21.1875	1
9501_9501	9501	9501	-35.9595	-0.0465	0.8085	-0.081	-13.632	-85.029	1
9501_9502	9501	9502	-182.333	11.2725	2.8545	-0.9795	-31.392	-60.5415	1
9502_9502	9502	9502	-35.946	-0.909	0.9105	-0.063	-10.884	-84.8565	1
9502_9503	9502	9503	-182.541	6.897	3.3675	-0.399	5.325	-135.828	1
9503_9503	9503	9503	-35.736	-2.004	0.09	-0.0945	-1.125	-75.237	1
9503_9504	9503	9504	-172.379	1.629	-0.0765	-0.4485	3.1545	-147.569	1
9504_9504	9504	9504	-35.6805	-2.8335	0.039	0	-0.4485	-60.795	1
9504_9505	9504	9505	-172.37	-2.3775	-0.3165	-0.3165	0.933	-130.424	1
9505_9505	9505	9505	-34.4025	-4.008	0.015	-0.033	-0.4065	-40.3575	1
9505_9506	9505	9506	-161.706	-7.83	0.015	-0.24	-0.2535	-17.598	1
9506_9506	9506	9506	-33.1485	-5.175	0.9735	-0.0105	-0.384	17.5005	1
9506_9507	9506	9507	-152.478	-13.1475	-0.4455	-0.2895	-5.421	98.9355	1
9507_9507	9507	9507	-33.0315	-5.8695	1.023	-0.096	8.2875	63.3585	1
9507_9508	9507	9508	-152.169	-16.3485	-0.228	-0.042	-6.627	189.798	1
9508_9508	9508	9508	-35.4555	1.9155	-1.8795	1.9815	16.8765	80.112	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9508_9509	9508	9509	-143.87	14.391	6.51	1.896	11.8515	146.3025	1
9509_9509	9509	9509	-35.4915	-2.1255	-1.1445	-1.9875	11.1975	74.379	1
9509_9510	9509	9510	-143.631	-13.365	6.8595	-1.665	32.5335	187.0125	1
9510_9510	9510	9510	-36.018	5.364	-0.582	0.069	7.5195	80.745	1
9510_9511	9510	9511	-133.683	16.3305	-2.334	-0.1725	17.6535	96.3105	1
9511_9511	9511	9511	-36.1215	4.6215	-0.5145	0.0705	4.2495	50.943	1
9511_9512	9511	9512	-133.995	13.578	-2.0865	-0.366	-0.9015	-23.9055	1
9512_9512	9512	9512	-37.8015	3.33	-0.0255	0.0645	-0.036	9.8775	1
9512_9513	9512	9513	-138.042	1.5105	-0.072	0.3045	-0.6525	-73.1715	1
9513_9513	9513	9513	-39.561	2.043	-0.0495	0.0735	-0.0825	-38.07	1
9513_9514	9513	9514	-148.034	-2.4075	0.216	0.42	2.262	-62.022	1
9514_9514	9514	9514	-39.5985	1.1235	-0.054	0.09	-0.4365	-52.8045	1
9514_9515	9514	9515	-147.938	-5.847	0.1995	0.375	3.7095	-19.878	1
9515_9515	9515	9515	-40.305	-0.075	-1.017	0.042	-0.5205	-60.5445	1
9515_9516	9515	9516	-157.296	-10.4445	-3.1425	0.2895	-29.1825	94.2075	1
9516_9516	9516	9516	-40.2915	-1.0425	-0.9885	0.279	-11.6115	-59.724	1
9516_9517	9516	9517	-157.002	-14.2155	-3.0345	1.056	-39.771	143.7945	1
9517_9517	9517	9517	-40.2915	-1.1775	-0.561	0.0045	-15.054	-56.094	1
9517_9220	9517	9220	-157.286	-15.21	-17.568	-0.8115	-110.997	206.1015	1
9520_9240	9520	9240	-49.11	1.5195	-1.2315	-0.396	-33.984	-68.241	1
9520_9521	9520	9521	-179.136	16.3575	3.081	1.446	-53.88	122.511	1
9521_9521	9521	9521	-49.8435	1.257	2.262	-0.639	-38.8215	-74.4615	1
9521_9522	9521	9522	-179.06	15.2895	2.79	-1.338	-44.0955	68.5035	1
9522_9522	9522	9522	-49.86	0.063	2.2575	0.108	-30.9345	-78.8505	1
9522_9523	9522	9523	-179.375	10.995	2.7765	-0.2865	-13.7835	-51.6345	1
9523_9523	9523	9523	-50.9505	-1.4505	0.3405	-0.075	-6.435	-79.6635	1
9523_9524	9523	9524	-172.611	5.4585	0.648	-0.525	-9.6555	-91.0635	1
9524_9524	9524	9524	-50.9025	-2.6325	0.4425	-0.12	-4.035	-69.21	1
9524_9525	9524	9525	-172.689	1.4505	0.9885	-0.4815	-2.598	-101.514	1
9525_9525	9525	9525	-50.28	-4.3695	0.3375	-0.0975	-0.996	-50.2275	1
9525_9526	9525	9526	-163.812	-4.1805	0.399	-0.387	2.481	-41.226	1
9526_9526	9526	9526	-49.917	-6.339	2.697	-0.036	3.6885	12.789	1
9526_9527	9526	9527	-155.468	-9.993	2.8695	-0.267	27.1155	47.2245	1
9527_9527	9527	9527	-49.7715	-7.3365	2.8575	-0.381	27.6405	68.859	1
9527_9528	9527	9528	-155.226	-13.1085	3.357	-0.669	45.8385	120.087	1
9528_9528	9528	9528	-50.9145	3.459	-0.654	5.538	43.6455	109.2195	1
9528_9529	9528	9529	-148.478	18.2175	4.587	7.2495	58.797	64.7175	1
9529_9529	9529	9529	-50.4195	-2.406	2.49	-5.7735	41.73	101.3415	1
9529_9530	9529	9530	-147.447	-15.222	9.12	-7.281	86.3355	114.2265	1
9530_9530	9530	9530	-45.132	7.35	-3.0945	0.24	48.453	107.7435	1
9530_9531	9530	9531	-144.159	10.392	3.945	-0.366	-45.774	15.8145	1
9531_9531	9531	9531	-45.2775	6.435	-3.0045	-0.267	31.1835	66.8925	1
9531_9532	9531	9532	-144.333	7.464	4.224	0.5925	-8.385	-50.3265	1
9532_9532	9532	9532	-45.636	4.4955	-0.039	0.054	-0.5535	15.6165	1
9532_9533	9532	9533	-152.073	1.956	0.177	0.408	-4.3965	-78.696	1
9533_9533	9533	9533	-47.88	2.949	-0.2385	0.1785	-0.6885	-49.1475	1
9533_9534	9533	9534	-160.431	-3.033	-0.432	0.519	-6.051	-59.6445	1
9534_9534	9534	9534	-47.9355	1.8285	-0.0735	-0.0045	-2.328	-70.4085	1
9534_9535	9534	9535	-160.317	-6.7815	0.1065	0.4575	-5.208	-10.767	1
9535_9535	9535	9535	-50.199	0.4005	0.165	0.153	-2.46	-83.1735	1
9535_9536	9535	9536	-168.882	-11.85	0.7245	0.39	4.077	118.5675	1
9536_9536	9536	9536	-50.193	-0.804	0.2655	-0.0075	-0.6015	-87.5535	1
9536_9537	9536	9537	-168.548	-15.8985	1.0545	0.531	7.6995	174.045	1
9537_9537	9537	9537	-50.007	-1.011	-0.9585	-0.7275	0.711	-84.879	1
9537_9254	9537	9254	-167.153	-17.5215	-7.1145	-5.802	-20.19	244.512	1
9540_9275	9540	9275	-51.606	2.469	-3.075	-0.6735	-17.9025	-55.3545	1
9540_9541	9540	9541	-180.017	16.1505	12.4215	0.339	-83.646	159.5055	1
9541_9541	9541	9541	-53.469	1.737	1.383	-0.4785	-30.3465	-65.397	1
9541_9542	9541	9542	-176.867	15.774	4.587	-2.1705	-67.23	103.344	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9542_9542	9542	9542	-53.4915	0.4545	1.5135	-0.0405	-25.5795	-71.436	1
9542_9543	9542	9543	-177.183	11.5305	5.013	-0.3045	-12.4485	-22.5375	1
9543_9543	9543	9543	-53.562	-1.1295	0.486	-0.1425	-9.1905	-76.509	1
9543_9544	9543	9544	-171.137	6.4785	0.5355	-0.699	-8.676	-69.507	1
9544_9544	9544	9544	-53.523	-2.3475	0.5385	-0.0795	-5.715	-68.3715	1
9544_9545	9544	9545	-171.239	2.5815	0.702	-0.57	-3.6465	-88.143	1
9545_9545	9545	9545	-52.3695	-4.1955	0.597	-0.1125	-1.9635	-51.3645	1
9545_9546	9545	9546	-164.105	-2.532	0.9525	-0.522	9.5805	-45.294	1
9546_9546	9546	9546	-51.9105	-6.4155	3.2475	0.0135	6.393	9.1695	1
9546_9547	9546	9547	-158.306	-8.793	5.2365	-0.2325	55.365	32.7645	1
9547_9547	9547	9547	-51.7695	-7.449	3.303	-0.6195	35.1645	65.9595	1
9547_9548	9547	9548	-158.093	-11.946	5.403	-1.3035	85.4325	99.216	1
9548_9548	9548	9548	-51.348	3.825	-0.5325	8.127	53.544	106.4625	1
9548_9549	9548	9549	-151.712	19.7055	2.616	13.7475	93.414	53.505	1
9549_9549	9549	9549	-50.478	-1.938	3.5655	-8.484	52.212	100.4835	1
9549_9550	9549	9550	-149.897	-14.091	9.903	-14.1315	123.36	105.228	1
9550_9550	9550	9550	-43.065	7.368	-3.8565	0.369	62.1615	104.4645	1
9550_9551	9550	9551	-146.814	12.8865	5.9445	-0.8715	-72.729	22.281	1
9551_9551	9551	9551	-43.2345	6.381	-3.711	-0.36	40.245	62.8305	1
9551_9552	9551	9552	-147.051	9.498	6.423	0.8715	-18.675	-57.807	1
9552_9552	9552	9552	-42.5325	5.0565	-0.8835	-0.135	8.5665	9.165	1
9552_9553	9552	9553	-150.9	2.5845	0.978	0.531	-3.4815	-94.8	1
9553_9553	9553	9553	-41.187	3.5205	0.048	-0.117	-4.0245	-62.001	1
9553_9554	9553	9554	-156.144	-3.3225	-0.1695	0.5325	-3.2595	-71.505	1
9554_9554	9554	9554	-41.2635	2.463	0.036	0.003	-3.699	-86.7765	1
9554_9555	9554	9555	-156.008	-7.3245	-0.216	0.6375	-4.767	-19.9305	1
9555_9555	9555	9555	-39.7695	0.9825	0.483	0.042	-3.5385	-103.92	1
9555_9556	9555	9556	-161.193	-13.1145	-0.519	0.3885	-9.012	118.5975	1
9556_9556	9556	9556	-39.7815	-0.102	0.528	-0.129	1.65	-114.384	1
9556_9557	9556	9557	-160.776	-17.499	-0.3435	0.7665	-10.2105	178.461	1
9557_9557	9557	9557	-39.8835	-0.318	0.921	1.1535	3.465	-113.447	1
9557_9288	9557	9288	-159.108	-19.6155	-4.3485	-3.7455	-33.789	286.3065	1
49000_9000	49000	9000	-1.4865	-8.571	4.5975	1.971	0	-14.478	1
49000_9001	49000	9001	-4.431	-39.6285	4.218	11.166	35.0115	293.0115	1
49001_9001	49001	9001	-1.4805	-8.571	4.599	2.049	38.154	56.664	1
49001_9002	49001	9002	-4.425	-39.6285	4.224	11.574	72.582	645.4605	1
49002_9002	49002	9002	-1.476	-8.2815	-2.106	2.1105	79.056	132.8985	1
49002_9003	49002	9003	-4.422	-40.1505	-2.1195	10.788	46.9755	1130.597	1
49003_9003	49003	9003	-1.4805	-8.2815	-2.103	2.5185	53.6145	232.953	1
49003_9004	49003	9004	-4.425	-40.1505	-2.112	12.7695	21.447	1616.009	1
49004_9004	49004	9004	-1.4805	-8.5035	-0.006	2.0115	28.188	333.069	1
49004_9005	49004	9005	-4.4265	-42.669	-0.3465	8.667	17.2665	2131.404	1
49005_9005	49005	9005	-1.4805	-8.5035	-0.003	2.7735	28.116	435.78	1
49005_9006	49005	9006	-4.4265	-42.669	-0.339	12.3975	13.1775	2647.095	1
49006_9006	49006	9006	-1.4805	-8.5125	0.4725	1.8915	28.0755	538.5555	1
49006_9007	49006	9007	-4.4265	-46.512	0.1425	6.246	14.8995	3209.189	1
49007_9007	49007	9007	-1.479	-8.5125	0.4725	2.418	33.78	641.424	1
49007_9008	49007	9008	-4.4265	-46.512	0.1455	8.8785	16.665	3771.224	1
49008_9008	49008	9008	-1.4775	-8.7225	0.5055	1.8405	39.498	744.2775	1
49008_9009	49008	9009	-4.425	-38.448	0.36	3.3645	21.0255	4236.041	1
49009_9009	49009	9009	-1.479	-8.7225	0.5055	1.7505	45.609	849.7335	1
49009_9010	49009	9010	-4.4265	8.022	0.36	2.9145	25.3755	4139.129	1
49010_9010	49010	9010	-1.4775	-9.051	0.525	0.423	51.714	955.101	1
49010_9011	49010	9011	-4.425	10.464	0.729	-5.3865	34.194	4012.647	1
49011_9011	49011	9011	-1.476	-9.051	0.5265	2.1705	58.0545	1064.499	1
49011_9012	49011	9012	-4.4235	30.2955	0.7365	1.2015	43.0995	3646.541	1
49012_9012	49012	9012	-1.476	-9.4905	0.486	-0.417	64.422	1173.876	1
49012_9013	49012	9013	-4.422	60.0045	1.218	-8.703	57.822	2921.475	1
49013_9013	49013	9013	-1.476	-9.4905	0.489	1.6995	70.299	1288.56	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49013_9014	49013	9014	-4.4205	60.0045	1.2255	-3.903	72.6285	2196.563	1
49014_9014	49014	9014	-1.4745	-9.9915	0.291	-0.6855	76.203	1403.222	1
49014_9015	49014	9015	-4.4205	56.4105	-0.519	-8.7195	64.554	1319.645	1
49015_9015	49015	9015	-1.3845	-10.0035	0.294	0.897	80.7405	1557.69	1
49015_9016	49015	9016	-4.9605	63.1125	-0.4305	-6.5055	62.589	1128.506	1
49016_9016	49016	9016	-1.1955	-10.2885	-0.2505	-2.5665	79.29	1597.44	1
49016_9017	49016	9017	-6.0855	76.7385	-2.2335	-8.8935	36.366	1147.724	1
49017_9017	49017	9017	-0.9405	-10.314	-0.2475	-0.6195	76.4505	1718.553	1
49017_9018	49017	9018	-8.196	89.601	-2.1825	-4.8945	6.0225	902.9415	1
49018_9018	49018	9018	-0.693	2.9385	-0.021	0.552	-46.14	-650.832	1
49018_9019	49018	9019	-10.584	94.626	4.521	-6.648	65.202	324.3555	1
49019_9019	49019	9019	-0.7695	3.0255	-0.021	0.6345	-47.5185	-710.093	1
49019_9020	49019	9020	-13.362	100.908	3.7635	-6.1095	109.3095	-328.797	1
49020_9020	49020	9020	-148.119	-6.3525	7.401	4.9035	-281.544	-94.086	1
49020_9021	49020	9021	-30.8595	1.659	-0.7005	-1.0755	59.235	296.5185	1
49021_9021	49021	9021	-148.101	-6.3525	7.7415	2.955	-211.214	-69.522	1
49021_9022	49021	9022	-30.861	1.659	-0.6285	-0.24	54.369	276.2235	1
49022_9022	49022	9022	-148.11	-6.3525	7.596	2.976	-151.298	-20.3565	1
49022_9023	49022	9023	-30.861	1.659	-0.66	-0.5145	49.251	263.352	1
49023_9023	49023	9023	-148.08	-6.8175	2.5095	3.8865	-92.358	28.935	1
49023_9024	49023	9024	-30.861	1.506	-0.7635	-0.96	43.146	251.3055	1
49024_9024	49024	9024	-148.08	-6.8175	2.5095	3.8865	-72.285	83.4735	1
49024_9025	49024	9025	-30.861	1.506	-0.7635	-0.96	37.0425	239.262	1
49025_9025	49025	9025	-148.076	-6.8175	2.6925	4.0575	-52.2135	138.0075	1
49025_9026	49025	9026	-30.8625	1.506	-0.7245	-0.663	31.245	227.22	1
49026_9026	49026	9026	-148.074	-7.2435	1.539	2.892	-30.672	192.537	1
49026_9027	49026	9027	-30.8625	1.47	-0.7335	-1.296	26.85	218.4015	1
49027_9027	49027	9027	-148.071	-7.2435	1.812	3.327	-21.4425	235.968	1
49027_9028	49027	9028	-30.864	1.47	-0.6765	-0.894	22.791	209.571	1
49028_9028	49028	9028	-148.073	-7.2435	1.785	3.276	-10.563	279.4695	1
49028_9029	49028	9029	-30.864	1.47	-0.681	-0.933	18.7035	200.754	1
49029_9029	49029	9029	-148.071	-7.2435	1.812	3.3345	0.1365	322.899	1
49029_9030	49029	9030	-30.864	1.47	-0.6765	-0.8955	14.6445	191.9235	1
49030_9030	49030	9030	-148.067	-7.524	2.5845	2.544	11.0145	366.396	1
49030_9031	49030	9031	-30.8655	1.41	-0.6795	-1.236	9.21	180.6555	1
49031_9031	49031	9031	-148.067	-7.524	2.5845	2.544	31.6785	426.5565	1
49031_9032	49031	9032	-30.8655	1.41	-0.6795	-1.236	3.7755	169.386	1
49032_9032	49032	9032	-148.064	-7.524	2.7885	3.213	52.3425	486.714	1
49032_9033	49032	9033	-30.8655	1.41	-0.6375	-1.002	-1.326	158.1045	1
49033_9033	49033	9033	-148.052	-7.7535	5.211	0.684	74.6595	546.951	1
49033_9034	49033	9034	-30.8685	1.5075	-1.104	-1.2465	-9.888	146.415	1
49034_9034	49034	9034	-148.052	-7.7535	5.211	0.684	115.062	607.0635	1
49034_9035	49034	9035	-30.8685	1.5075	-1.104	-1.2465	-18.4515	134.7255	1
49035_9035	49035	9035	-148.04	-7.7535	5.565	3.6585	155.4645	703.9395	1
49035_9036	49035	9036	-30.8715	1.5075	-1.0305	-1.1805	-28.245	128.07	1
49036_9036	49036	9036	-37.941	16.752	-0.6945	1.689	70.3845	2190.81	1
49036_9037	49036	9037	-61.0485	-69.4455	-4.5945	10.4895	46.7355	-1080.38	1
49037_9037	49037	9037	-38.3715	15.7455	-0.597	4.9365	61.308	1980.377	1
49037_9038	49037	9038	-59.2365	-69.282	-4.428	6.5115	-8.19	-283.94	1
49038_9038	49038	9038	-38.766	14.46	0.2475	0.9165	54.0615	1782.981	1
49038_9039	49038	9039	-57.4755	-72.198	1.7865	8.175	15.5895	673.6215	1
49039_9039	49039	9039	-39.1125	13.4925	0.321	2.394	57.276	1587.383	1
49039_9040	49039	9040	-55.662	-73.6035	1.8855	8.844	37.926	1534.008	1
49040_9040	49040	9040	-39.345	12.2955	0.2025	0.9255	61.08	1428.741	1
49040_9041	49040	9041	-54.4815	-71.88	1.4745	8.154	51.1215	1758.075	1
49041_9041	49041	9041	-39.453	11.943	0.198	0.15	62.7555	1316.292	1
49041_9042	49041	9042	-53.8365	-59.586	1.4685	7.074	73.395	2643.948	1
49042_9042	49042	9042	-39.453	11.307	-0.4185	-1.0215	65.7465	1135.721	1
49042_9043	49042	9043	-53.835	-8.5695	-0.2295	1.998	70.6695	2745.777	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49043_9043	49043	9043	-39.453	11.307	-0.3885	-0.261	60.774	1001.357	1
49043_9044	49043	9044	-53.835	-8.5695	-0.189	4.0815	68.4345	2847.521	1
49044_9044	49044	9044	-39.4545	10.92	-0.303	-1.59	56.1615	867.1155	1
49044_9045	49044	9045	-53.8365	11.868	-0.1335	-2.898	66.8475	2706.524	1
49045_9045	49045	9045	-39.4545	10.92	-0.27	-0.972	52.566	737.3805	1
49045_9046	49045	9046	-53.8365	40.8855	-0.0885	-0.6285	65.799	2220.848	1
49046_9046	49046	9046	-39.4545	10.707	-0.2625	-1.905	49.365	607.6545	1
49046_9047	49046	9047	-53.8365	36.2595	-0.0735	-5.9145	64.9185	1790.187	1
49047_9047	49047	9047	-39.4545	10.707	-0.2295	-1.5015	46.239	480.4935	1
49047_9048	49047	9048	-53.8365	36.2595	-0.0285	-4.413	64.575	1359.558	1
49048_9048	49048	9048	-39.456	10.6365	-0.21	-1.9695	43.5075	353.343	1
49048_9049	49048	9049	-53.8365	33.2625	0.006	-6.957	64.647	964.5915	1
49049_9049	49049	9049	-39.456	10.6365	-0.177	-1.779	41.0055	227.043	1
49049_9050	49049	9050	-53.8365	33.2625	0.051	-6.147	65.2545	569.649	1
49050_9050	49050	9050	-39.456	10.7685	-0.4755	-1.644	38.8965	100.752	1
49050_9051	49050	9051	-53.8365	31.815	-0.9735	-6.3105	50.532	88.1565	1
49051_9051	49051	9051	-39.5475	10.431	-0.4395	-2.0115	31.674	-58.7355	1
49051_9052	49051	9052	-54.108	31.353	-0.9225	-6.7425	42.8655	-165.717	1
49052_9052	49052	9052	-39.72	10.1145	-0.435	-1.1265	28.0455	-144.765	1
49052_9053	49052	9053	-54.606	30.2865	-0.966	-4.893	31.455	-521.628	1
49053_9053	49053	9053	-39.966	9.0945	-0.426	-1.908	22.881	-251.096	1
49053_9054	49053	9054	-55.3635	28.878	-0.954	-6.117	18.633	-887.732	1
49054_9054	49054	9054	-40.191	8.1855	-0.162	-1.074	17.259	-371.763	1
49054_9055	49054	9055	-56.0685	27.15	1.7265	-3.972	40.314	-1228.01	1
49055_9055	49055	9055	-40.392	7.1325	-0.1305	-1.848	15.1515	-474.369	1
49055_9056	49055	9056	-56.787	28.317	2.0325	-6.468	68.1105	-1642.95	1
49056_9056	49056	9056	-123.504	-8.388	6.882	4.347	-246.134	-207.734	1
49056_9057	49056	9057	-29.991	1.845	-0.3945	-1.113	29.1435	260.2695	1
49057_9057	49057	9057	-123.492	-8.388	7.104	3.711	-180.77	-135.104	1
49057_9058	49057	9058	-29.9925	1.845	-0.3405	-0.624	26.502	244.254	1
49058_9058	49058	9058	-123.482	-8.388	7.263	3.621	-125.696	-70.0755	1
49058_9059	49058	9059	-29.9925	1.845	-0.3015	-0.309	24.1605	229.95	1
49059_9059	49059	9059	-123.465	-8.7105	2.0055	4.2405	-69.3945	-5.046	1
49059_9060	49059	9060	-29.9925	1.7205	-0.2445	-1.101	22.2075	216.1935	1
49060_9060	49060	9060	-123.462	-8.7105	2.1705	4.326	-53.37	64.563	1
49060_9061	49060	9061	-29.9925	1.7205	-0.204	-0.81	20.574	202.4265	1
49061_9061	49061	9061	-123.462	-8.7105	2.1705	4.326	-36.0045	134.2575	1
49061_9062	49061	9062	-29.9925	1.7205	-0.204	-0.81	18.939	188.658	1
49062_9062	49062	9062	-123.456	-9.0645	1.5885	3.6135	-18.6375	203.943	1
49062_9063	49062	9063	-29.994	1.6875	-0.1335	-0.9915	18.1395	178.5225	1
49063_9063	49063	9063	-123.459	-9.0645	1.3695	3.153	-9.096	258.387	1
49063_9064	49063	9064	-29.994	1.6875	-0.186	-1.3095	17.0205	168.3975	1
49064_9064	49064	9064	-123.455	-9.0645	1.779	4.194	-0.8895	312.729	1
49064_9065	49064	9065	-29.994	1.6875	-0.087	-0.75	16.5	158.2815	1
49065_9065	49065	9065	-123.456	-9.0645	1.5885	3.627	9.7785	367.077	1
49065_9066	49065	9066	-29.994	1.6875	-0.1335	-0.9945	15.7005	148.143	1
49066_9066	49066	9066	-123.453	-9.3255	2.2185	2.778	19.3215	421.512	1
49066_9067	49066	9067	-29.994	1.644	-0.1605	-1.245	14.421	134.994	1
49067_9067	49067	9067	-123.45	-9.3255	2.373	3.3975	37.071	496.107	1
49067_9068	49067	9068	-29.994	1.644	-0.123	-1.077	13.4415	121.845	1
49068_9068	49068	9068	-123.45	-9.3255	2.373	3.3975	56.052	570.7005	1
49068_9069	49068	9069	-29.994	1.644	-0.123	-1.077	12.4605	108.6945	1
49069_9069	49069	9069	-123.438	-9.675	4.347	1.5585	75.0315	645.3	1
49069_9070	49069	9070	-29.997	1.737	-0.6615	-1.2	7.332	95.2425	1
49070_9070	49070	9070	-123.438	-9.675	4.3575	1.6215	108.711	720.2625	1
49070_9071	49070	9071	-29.997	1.737	-0.66	-1.1925	2.2185	81.771	1
49071_9071	49071	9071	-123.431	-9.675	4.5765	3.345	142.518	803.7435	1
49071_9072	49071	9072	-29.9985	1.737	-0.606	-1.089	-3.54	67.323	1
49072_9072	49072	9072	-22.11	-0.7215	0.111	-0.8715	-46.5315	-568.872	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49072_9073	49072	9073	-50.595	-71.3685	-4.6935	9.948	50.9475	-824.907	1
49073_9073	49073	9073	-22.083	-1.3005	0.1485	-0.609	-45.0675	-559.82	1
49073_9074	49073	9074	-48.7665	-69.696	-4.5525	7.1835	-6.048	-67.521	1
49074_9074	49074	9074	-22.0485	-1.9515	0.1755	-0.417	-43.17	-543.509	1
49074_9075	49074	9075	-47.031	-72.6285	2.0985	8.142	21.9195	895.743	1
49075_9075	49075	9075	-21.99	-2.5185	0.2235	-0.6	-40.818	-524.568	1
49075_9076	49075	9076	-45.186	-69.528	2.181	8.781	48.5805	1452.035	1
49076_9076	49076	9076	-21.9465	-2.8935	0.237	-0.3465	-38.184	-494.97	1
49076_9077	49076	9077	-44.0805	-72.9405	1.2465	6.657	59.0055	2042.691	1
49077_9077	49077	9077	-21.921	-3.0825	0.2445	-0.123	-36.237	-463.385	1
49077_9078	49077	9078	-43.4535	-59.5155	1.2615	7.35	76.3665	2874.192	1
49078_9078	49078	9078	-21.921	-3.117	0.2505	0.1005	-32.8845	-421.113	1
49078_9079	49078	9079	-43.4535	-10.7565	-0.555	2.133	70.17	2994.209	1
49079_9079	49079	9079	-21.921	-3.117	0.2715	-0.264	-30.09	-386.339	1
49079_9080	49079	9080	-43.4535	-9.3405	-0.5145	4.9635	64.4265	3098.525	1
49080_9080	49080	9080	-21.9195	-3.096	0.249	0.0915	-27.063	-351.534	1
49080_9081	49080	9081	-43.4535	0.834	-0.1455	-0.726	62.799	3089.211	1
49081_9081	49081	9081	-21.9195	-3.096	0.249	0.0915	-24.2835	-316.97	1
49081_9082	49081	9082	-43.4535	40.182	-0.1455	-0.726	61.17	2640.513	1
49082_9082	49082	9082	-21.9195	-3.066	0.2415	0.333	-21.5025	-282.404	1
49082_9083	49082	9083	-43.455	35.244	-0.0075	-4.9155	61.08	2217.347	1
49083_9083	49083	9083	-21.9195	-3.066	0.258	0.1395	-18.6045	-245.583	1
49083_9084	49083	9084	-43.4535	35.244	0.027	-3.1665	61.3995	1794.552	1
49084_9084	49084	9084	-21.9195	-3.036	0.228	0.4365	-15.501	-208.796	1
49084_9085	49084	9085	-43.455	31.809	-0.0495	-6.42	60.8535	1439.447	1
49085_9085	49085	9085	-21.918	-3.036	0.2475	0.279	-12.9615	-174.894	1
49085_9086	49085	9086	-43.455	31.809	-0.0105	-5.1315	60.7395	1084.355	1
49086_9086	49086	9086	-21.918	-2.997	0.1545	0.5055	-10.203	-140.996	1
49086_9087	49086	9087	-43.455	29.6085	0.156	-6.711	62.4915	753.5475	1
49087_9087	49087	9087	-21.918	-2.997	0.1725	0.414	-8.4795	-107.517	1
49087_9088	49087	9088	-43.4535	29.6085	0.1935	-6.0705	64.6545	423.0525	1
49088_9088	49088	9088	-21.918	-2.94	0.5145	0.6	-6.549	-74.07	1
49088_9089	49088	9089	-43.455	28.5585	-0.9705	-5.9985	51.8685	46.554	1
49089_9089	49089	9089	-21.891	-3.132	0.5295	0.4665	0.2355	-39.681	1
49089_9090	49089	9090	-43.7025	28.179	-0.939	-6.2295	44.0625	-194.841	1
49090_9090	49090	9090	-21.8325	-3.474	0.3195	0.66	4.626	-13.8165	1
49090_9091	49090	9091	-44.1795	29.7075	-1.1625	-4.668	32.1495	-515.628	1
49091_9091	49091	9091	-21.954	8.7915	-0.507	-1.863	13.5075	-221.478	1
49091_9092	49091	9092	-44.916	28.584	-1.1115	-6.2685	17.2305	-887.741	1
49092_9092	49092	9092	-22.173	8.2485	-0.1125	-0.8355	6.828	-338.118	1
49092_9093	49092	9093	-45.6405	28.8375	1.8075	-3.042	39.9555	-1267.16	1
49093_9093	49093	9093	-22.3815	7.665	-0.0615	-2.0295	5.2815	-441.522	1
49093_9094	49093	9094	-46.3995	30.132	2.1495	-7.563	69.3165	-1696.16	1
49094_9094	49094	9094	-126.378	-7.4265	6.5505	4.395	-234.527	-108.024	1
49094_9095	49094	9095	-33.4365	-1.209	0.6435	0.8835	-3.2835	92.2875	1
49095_9095	49095	9095	-126.368	-7.4265	6.7485	3.999	-172.31	-43.815	1
49095_9096	49095	9096	-33.4365	-1.209	0.696	0.993	2.1105	99.9945	1
49096_9096	49096	9096	-126.368	-7.4265	6.7425	3.999	-119.969	13.7835	1
49096_9097	49096	9097	-33.4365	-1.209	0.6945	0.9885	7.4865	109.3635	1
49097_9097	49097	9097	-126.342	-7.7895	2.0685	4.1475	-67.7415	71.3025	1
49097_9098	49097	9098	-33.4335	-1.1565	0.1365	0.8415	8.577	118.6185	1
49098_9098	49098	9098	-126.339	-7.7895	2.2215	4.308	-51.177	133.6515	1
49098_9099	49098	9099	-33.4335	-1.1565	0.177	0.984	9.9885	127.8615	1
49099_9099	49099	9099	-126.339	-7.7895	2.2275	4.317	-33.4185	195.924	1
49099_9100	49099	9100	-33.4335	-1.1565	0.1785	0.99	11.412	137.118	1
49100_9100	49100	9100	-126.335	-8.2305	1.848	3.375	-15.5925	258.267	1
49100_9101	49100	9101	-33.432	-1.1895	0.183	0.7785	12.51	144.261	1
49101_9101	49101	9101	-126.335	-8.2305	1.8405	3.3585	-4.5015	307.6755	1
49101_9102	49101	9102	-33.432	-1.1895	0.1815	0.7695	13.596	151.395	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49102_9102	49102	9102	-126.335	-8.2305	1.848	3.378	6.528	357	1
49102_9103	49102	9103	-33.432	-1.1895	0.183	0.7785	14.694	158.5395	1
49103_9103	49103	9103	-126.332	-8.2305	2.058	4.0545	17.619	406.401	1
49103_9104	49103	9104	-33.432	-1.1895	0.2385	1.0425	16.1265	165.684	1
49104_9104	49104	9104	-126.33	-8.5485	2.373	2.5995	29.9715	455.8065	1
49104_9105	49104	9105	-33.432	-1.209	0.216	0.6045	17.85	175.353	1
49105_9105	49105	9105	-126.327	-8.5485	2.535	3.2745	48.936	524.1345	1
49105_9106	49105	9106	-33.432	-1.209	0.2595	0.8295	19.9215	185.034	1
49106_9106	49106	9106	-126.327	-8.5485	2.5305	3.252	69.2265	592.5495	1
49106_9107	49106	9107	-33.432	-1.209	0.258	0.8235	21.9795	194.703	1
49107_9107	49107	9107	-126.317	-8.8665	3.999	1.7535	89.4525	660.885	1
49107_9108	49107	9108	-33.4305	-1.3005	0.372	0.495	24.861	204.786	1
49108_9108	49108	9108	-126.317	-8.8665	3.999	1.7535	120.462	729.624	1
49108_9109	49108	9109	-33.4305	-1.3005	0.372	0.495	27.7425	214.8675	1
49109_9109	49109	9109	-126.314	-8.8665	4.128	2.802	151.4715	805.5405	1
49109_9110	49109	9110	-33.4305	-1.3005	0.405	0.7365	31.5975	229.1265	1
49110_9110	49110	9110	-22.3335	14.6955	-1.1985	2.5755	101.424	2103.5	1
49110_9111	49110	9111	-59.8815	-51.315	-4.323	9.939	75.108	-1333.47	1
49111_9111	49111	9111	-22.713	14.1045	-1.1595	3.408	86.178	1918.94	1
49111_9112	49111	9112	-58.5465	-50.3295	-4.0695	5.6115	23.6445	-733.49	1
49112_9112	49112	9112	-23.0715	13.0995	0.039	1.596	71.6985	1742.094	1
49112_9113	49112	9113	-57.3075	-49.4655	1.359	8.916	43.176	-147.882	1
49113_9113	49113	9113	-23.3955	12.5115	0.069	1.773	72.174	1564.493	1
49113_9114	49113	9114	-56.0565	-48.4065	1.3665	7.1475	59.7105	339.159	1
49114_9114	49114	9114	-23.607	11.7285	-0.1905	0.684	73.002	1417.427	1
49114_9115	49114	9115	-55.2885	-47.877	0.714	8.517	65.079	634.3485	1
49115_9115	49115	9115	-23.709	11.5215	-0.186	0.2925	71.4315	1321.758	1
49115_9116	49115	9116	-54.8685	-47.6715	0.7245	8.0715	74.9115	1261.073	1
49116_9116	49116	9116	-23.709	10.9875	-0.573	-1.3035	68.8755	1163.756	1
49116_9117	49116	9117	-54.8685	-50.9985	-0.687	5.634	67.2465	1830.314	1
49117_9117	49117	9117	-23.7105	10.9875	-0.5295	0.5775	62.4825	1041.117	1
49117_9118	49117	9118	-54.87	-50.9985	-0.588	8.9415	60.681	2400.044	1
49118_9118	49118	9118	-23.7105	10.668	-0.501	-1.7535	56.562	918.372	1
49118_9119	49118	9119	-54.87	-56.4435	-0.5625	1.1055	54.3975	3030.05	1
49119_9119	49119	9119	-23.712	10.668	-0.459	-0.3105	50.967	799.302	1
49119_9120	49119	9120	-54.8715	-1.2435	-0.4635	6.576	49.215	3043.937	1
49120_9120	49120	9120	-23.712	10.401	-0.483	-1.9095	45.846	680.1315	1
49120_9121	49120	9121	-54.8715	-8.2035	-0.285	-3.552	45.7935	3142.316	1
49121_9121	49121	9121	-23.712	10.401	-0.4425	-0.978	40.0545	555.42	1
49121_9122	49121	9122	-54.8715	15.546	-0.1935	1.722	43.4745	2955.747	1
49122_9122	49122	9122	-23.712	10.2885	-0.48	-2.133	34.737	430.6035	1
49122_9123	49122	9123	-54.8715	43.4055	-0.156	-8.8845	41.733	2470.863	1
49123_9123	49123	9123	-23.7135	10.2885	-0.4155	-1.2855	29.379	315.6795	1
49123_9124	49123	9124	-54.8715	54.3225	-0.009	-2.2485	41.6385	1864.07	1
49124_9124	49124	9124	-23.7135	10.2495	-0.3945	-1.8495	24.7335	200.7555	1
49124_9125	49124	9125	-54.8715	49.53	0.072	-9.0465	42.4395	1311.29	1
49125_9125	49125	9125	-23.715	10.2495	-0.3525	-1.695	20.3265	86.3685	1
49125_9126	49125	9126	-54.8715	49.53	0.171	-6.687	44.3445	758.034	1
49126_9126	49126	9126	-23.715	10.344	-0.7275	-1.611	16.3935	-28.122	1
49126_9127	49126	9127	-54.873	46.8585	-1.428	-8.253	25.2225	130.5825	1
49127_9127	49127	9127	-23.8035	10.1415	-0.6945	-1.719	6.633	-172.866	1
49127_9128	49127	9128	-55.2825	49.041	-1.3725	-8.0415	14.382	-198.648	1
49128_9128	49128	9128	-23.973	10.0155	-0.6165	-0.939	0.9	-256.424	1
49128_9129	49128	9129	-56.0475	47.1315	-1.698	-6.255	-5.661	-752.603	1
49129_9129	49129	9129	-24.2235	9.3975	-0.567	-1.7355	-6.414	-366.612	1
49129_9130	49129	9130	-57.327	51.486	-1.7385	-8.583	-30.027	-1291.3	1
49130_9130	49130	9130	-24.4485	8.736	-0.4935	-1.137	-13.9515	-491.285	1
49130_9131	49130	9131	-58.566	51.0435	2.997	-6.036	6.2205	-1900.27	1
49131_9131	49131	9131	-24.669	8.2815	-0.489	-1.1055	-21.1005	-613.308	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49131_9132	49131	9132	-59.9505	54.552	3.4365	-8.109	51.423	-2548.29	1
49132_9132	49132	9132	-134.061	-2.5335	6.1845	4.473	-177.579	187.962	1
49132_9133	49132	9133	-32.991	-0.0345	0.4395	0.969	11.5785	157.2045	1
49133_9133	49133	9133	-134.07	-2.5335	6.012	2.9205	-118.821	183.4815	1
49133_9134	49133	9134	-32.9925	-0.0345	0.396	0.6825	14.6535	150.4425	1
49134_9134	49134	9134	-134.061	-2.5335	6.1845	3.1815	-72.2265	203.1075	1
49134_9135	49134	9135	-32.991	-0.0345	0.4395	0.876	18.057	150.7035	1
49135_9135	49135	9135	-134.069	-3.21	1.1355	2.994	-24.2925	222.741	1
49135_9136	49135	9136	-32.9925	0.036	-0.0315	0.627	17.8035	150.4215	1
49136_9136	49136	9136	-134.067	-3.21	1.3035	3.3045	-15.204	248.4135	1
49136_9137	49136	9137	-32.9925	0.036	0.009	0.8145	17.8785	150.138	1
49137_9137	49137	9137	-134.067	-3.21	1.3035	3.3045	-4.7745	274.0905	1
49137_9138	49137	9138	-32.9925	0.036	0.009	0.8145	17.9535	149.856	1
49138_9138	49138	9138	-134.069	-3.657	0.7185	2.1135	5.655	299.772	1
49138_9139	49138	9139	-32.9925	0.0165	-0.0135	0.4755	17.874	149.76	1
49139_9139	49139	9139	-134.067	-3.657	0.942	2.6505	9.963	321.708	1
49139_9140	49139	9140	-32.9925	0.0165	0.042	0.726	18.126	149.6625	1
49140_9140	49140	9140	-134.067	-3.657	0.942	2.6505	15.6105	343.647	1
49140_9141	49140	9141	-32.9925	0.0165	0.042	0.726	18.3765	149.5665	1
49141_9141	49141	9141	-134.069	-3.657	0.7185	2.0415	21.2595	365.592	1
49141_9142	49141	9142	-32.9925	0.0165	-0.0135	0.4755	18.297	149.4705	1
49142_9142	49142	9142	-134.067	-3.9105	1.5075	2.0475	25.5675	387.528	1
49142_9143	49142	9143	-32.9925	0.003	0.048	0.564	18.684	149.4435	1
49143_9143	49143	9143	-134.069	-3.9105	1.3395	1.524	37.623	418.8105	1
49143_9144	49143	9144	-32.9925	0.003	0.0075	0.3765	18.7425	149.4195	1
49144_9144	49144	9144	-134.067	-3.9105	1.5075	2.088	48.339	450.09	1
49144_9145	49144	9145	-32.9925	0.003	0.048	0.564	19.131	149.394	1
49145_9145	49145	9145	-134.066	-3.996	2.8635	1.2675	60.3945	481.371	1
49145_9146	49145	9146	-32.9925	-0.03	0.1455	0.429	20.2575	149.622	1
49146_9146	49146	9146	-134.069	-3.996	2.6895	0.606	82.581	512.337	1
49146_9147	49146	9147	-32.9925	-0.03	0.1035	0.2355	21.054	149.8515	1
49147_9147	49147	9147	-134.066	-3.996	2.8635	1.8765	103.4265	569.979	1
49147_9148	49147	9148	-32.9925	-0.03	0.1455	0.4575	22.4355	156.6975	1
49148_9148	49148	9148	-45.5265	16.407	-0.9435	2.8785	66.8655	1875.101	1
49148_9149	49148	9149	-94.4745	-46.0995	-3.696	6.885	30.9975	-1582.46	1
49149_9149	49149	9149	-45.9405	15.207	-0.9435	1.4355	55.071	1668.95	1
49149_9150	49149	9150	-93.2355	-47.973	-3.651	6.021	-14.7825	-984.546	1
49150_9150	49150	9150	-46.314	13.9425	0.1665	2.082	43.182	1478.312	1
49150_9151	49150	9151	-92.094	-49.485	1.482	7.3695	6.258	-365.466	1
49151_9151	49151	9151	-46.6545	12.7515	0.126	-0.222	45.4575	1278.374	1
49151_9152	49151	9152	-90.7995	-51.8265	1.4055	7.0695	22.9695	215.1615	1
49152_9152	49152	9152	-46.8585	11.736	-0.132	0.5925	46.923	1128.489	1
49152_9153	49152	9153	-89.9595	-54.915	0.9765	7.983	31.1295	668.223	1
49153_9153	49153	9153	-46.956	11.337	-0.1665	-0.5325	45.834	1026.926	1
49153_9154	49153	9154	-89.499	-51.6645	0.8865	7.1625	43.0455	1192.338	1
49154_9154	49154	9154	-46.956	11.0265	-0.3015	-1.1175	43.545	871.0455	1
49154_9155	49154	9155	-89.499	-55.1655	-0.0525	5.0475	42.4755	1799.156	1
49155_9155	49155	9155	-46.9575	11.0265	-0.258	-0.435	40.2285	749.7615	1
49155_9156	49155	9156	-89.499	-55.1655	0.03	6.684	42.7995	2405.966	1
49156_9156	49156	9156	-46.956	10.854	-0.336	-1.4475	37.383	628.4775	1
49156_9157	49156	9157	-89.499	-5.2215	-0.084	0.5865	41.9595	2458.191	1
49157_9157	49157	9157	-46.9575	10.854	-0.2895	-0.9285	34.017	519.9315	1
49157_9158	49157	9158	-89.499	-5.2215	0.006	3.045	42.015	2510.411	1
49158_9158	49158	9158	-46.956	10.7715	-0.288	-1.56	31.119	411.3825	1
49158_9159	49158	9159	-89.499	-10.8495	0	-3.834	42.018	2618.903	1
49159_9159	49159	9159	-46.9575	10.7715	-0.2415	-1.257	28.233	303.672	1
49159_9160	49159	9160	-89.499	44.3505	0.09	-1.215	42.915	2175.398	1
49160_9160	49160	9160	-46.956	10.7505	-0.2985	-1.467	25.8165	195.9585	1
49160_9161	49160	9161	-89.499	48.174	-0.045	-6.294	42.4275	1645.959	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49161_9161	49161	9161	-46.956	10.7505	-0.2985	-1.467	22.536	77.8035	1
49161_9162	49161	9162	-89.499	53.1975	-0.045	-6.2925	41.9385	1060.791	1
49162_9162	49162	9162	-46.9575	10.8405	-0.339	-1.344	19.2525	-40.4565	1
49162_9163	49162	9163	-89.499	50.049	-0.9885	-7.1745	28.3545	372.615	1
49163_9163	49163	9163	-47.046	10.4415	-0.396	-1.2645	14.5785	-186.177	1
49163_9164	49163	9164	-89.919	49.29	-1.0965	-7.944	19.2435	-27.6975	1
49164_9164	49164	9164	-47.214	9.894	-0.417	-1.032	11.298	-272.327	1
49164_9165	49164	9165	-90.6735	46.6755	-1.317	-6.8025	3.675	-576.297	1
49165_9165	49165	9165	-47.4495	8.691	-0.453	-1.0185	6.369	-376.425	1
49165_9166	49165	9166	-91.83	44.3565	-1.3845	-6.8175	-14.856	-1141.53	1
49166_9166	49166	9166	-47.6505	7.455	-0.1845	-0.5715	0.3675	-491.723	1
49166_9167	49166	9167	-92.88	43.032	3.1455	-4.8645	23.172	-1663.21	1
49167_9167	49167	9167	-47.829	6.2025	-0.147	-0.9855	-2.01	-585.171	1
49167_9168	49167	9168	-93.9735	40.5795	3.2175	-6.795	63.33	-2173.07	1
49168_9168	49168	9168	-119.792	5.22	-2.9355	-1.7745	121.2345	580.503	1
49168_9169	49168	9169	-24.7425	0.096	-0.249	-0.3765	20.043	123.129	1
49169_9169	49169	9169	-119.795	5.22	-2.8095	-0.63	93.345	505.9695	1
49169_9170	49169	9170	-24.7425	0.096	-0.222	-0.201	18.3165	117.228	1
49170_9170	49170	9170	-119.79	5.22	-2.964	-1.2315	71.5725	465.5145	1
49170_9171	49170	9171	-24.7425	0.096	-0.255	-0.3525	16.344	116.4795	1
49171_9171	49171	9171	-119.795	5.166	-1.329	-1.692	48.6	425.061	1
49171_9172	49171	9172	-24.7425	0.066	-0.1065	-0.369	15.498	115.947	1
49172_9172	49172	9172	-119.793	5.166	-1.479	-2.172	37.965	383.7285	1
49172_9173	49172	9173	-24.7425	0.066	-0.1365	-0.513	14.403	115.413	1
49173_9173	49173	9173	-119.795	5.166	-1.329	-1.7445	26.13	342.4005	1
49173_9174	49173	9174	-24.7425	0.066	-0.1065	-0.369	13.557	114.879	1
49174_9174	49174	9174	-119.795	5.0055	-0.7755	-2.145	15.4935	301.071	1
49174_9175	49174	9175	-24.7425	0.0615	-0.069	-0.4455	13.1385	114.507	1
49175_9175	49175	9175	-119.793	5.0055	-0.975	-2.5965	10.842	271.0335	1
49175_9176	49175	9176	-24.7425	0.0615	-0.111	-0.636	12.4725	114.1335	1
49176_9176	49176	9176	-119.795	5.0055	-0.7755	-2.1945	4.992	241.0035	1
49176_9177	49176	9177	-24.7425	0.0615	-0.069	-0.4455	12.054	113.7615	1
49177_9177	49177	9177	-119.795	5.0055	-0.7755	-2.1945	0.339	210.969	1
49177_9178	49177	9178	-24.7425	0.0615	-0.069	-0.4455	11.6355	113.3895	1
49178_9178	49178	9178	-119.793	4.716	-1.488	-2.982	-4.3125	180.9315	1
49178_9179	49178	9179	-24.7425	0.051	-0.1095	-0.645	10.7595	112.9785	1
49179_9179	49179	9179	-119.795	4.716	-1.338	-2.802	-16.2165	143.205	1
49179_9180	49179	9180	-24.7425	0.051	-0.078	-0.504	10.1295	112.5705	1
49180_9180	49180	9180	-119.793	4.716	-1.488	-2.934	-26.9235	105.4695	1
49180_9181	49180	9181	-24.7425	0.051	-0.1095	-0.645	9.252	112.1595	1
49181_9181	49181	9181	-119.795	4.1445	-5.6325	-2.2665	-38.8275	67.743	1
49181_9182	49181	9182	-24.7425	0.069	-0.4515	-0.591	5.7555	111.6255	1
49182_9182	49182	9182	-119.795	4.1445	-5.6325	-2.2665	-82.479	35.6235	1
49182_9183	49182	9183	-24.7425	0.069	-0.4515	-0.591	2.259	111.09	1
49183_9183	49183	9183	-119.789	4.1445	-5.7585	-3.336	-126.131	25.689	1
49183_9184	49183	9184	-24.7425	0.069	-0.477	-0.7965	-2.274	115.017	1
49184_9184	49184	9184	-23.1285	12.0465	-0.816	2.163	55.9935	1560.408	1
49184_9185	49184	9185	-69.2385	-53.889	-3.813	7.5645	21.852	-1563.7	1
49185_9185	49185	9185	-23.436	11.436	-0.7965	2.088	45.7065	1409.063	1
49185_9186	49185	9186	-67.8225	-52.323	-3.5415	5.5035	-23.2485	-935.66	1
49186_9186	49186	9186	-23.7195	10.7655	0.294	1.521	35.754	1265.709	1
49186_9187	49186	9187	-66.5535	-55.194	1.674	7.6005	-0.9795	-203.427	1
49187_9187	49187	9187	-23.985	10.161	0.291	0.3315	39.675	1116.56	1
49187_9188	49187	9188	-65.154	-54.084	1.6005	7.05	18.7065	334.464	1
49188_9188	49188	9188	-24.147	9.5145	-0.087	0.5745	43.086	997.131	1
49188_9189	49188	9189	-64.2885	-56.4345	1.29	9.3	29.439	800.0595	1
49189_9189	49189	9189	-24.2265	9.312	-0.105	-0.4335	42.3705	914.6295	1
49189_9190	49189	9190	-63.8115	-56.973	1.2435	8.265	46.617	1572.914	1
49190_9190	49190	9190	-24.2265	9.054	-0.168	-0.4155	40.929	786.6	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49190_9191	49190	9191	-63.8115	-56.5785	0.3075	7.845	49.998	2195.279	1
49191_9191	49191	9191	-24.225	9.054	-0.189	-1.0395	39.0885	687.0045	1
49191_9192	49191	9192	-63.8115	-46.5435	0.249	5.8485	52.74	2707.257	1
49192_9192	49192	9192	-24.225	8.8935	-0.1905	-1.5	37.005	587.4105	1
49192_9193	49192	9193	-63.8115	3.6795	0.159	-0.1755	54.315	2670.636	1
49193_9193	49193	9193	-24.2265	8.8935	-0.165	-0.999	35.1165	498.9165	1
49193_9194	49193	9194	-63.8115	3.6795	0.222	2.508	56.529	2634.018	1
49194_9194	49194	9194	-24.225	8.8035	-0.2235	-1.6875	33.4695	410.4195	1
49194_9195	49194	9195	-63.8115	-1.2435	0.12	-5.688	57.7245	2646.374	1
49195_9195	49195	9195	-24.225	8.8035	-0.1995	-1.3635	31.245	322.821	1
49195_9196	49195	9196	-63.8115	53.124	0.1845	-3.0285	59.5575	2118.33	1
49196_9196	49196	9196	-24.225	8.781	-0.237	-1.6785	29.2635	235.308	1
49196_9197	49196	9197	-63.8085	49.851	-0.1455	-9.1545	57.9585	1569.936	1
49197_9197	49197	9197	-24.225	8.781	-0.2145	-1.5525	26.6565	138.7185	1
49197_9198	49197	9198	-63.8085	49.851	-0.087	-7.728	56.997	1021.589	1
49198_9198	49198	9198	-24.225	8.8635	-0.2985	-1.371	24.2925	42.129	1
49198_9199	49198	9199	-63.801	47.478	-1.1565	-9.438	41.079	368.268	1
49199_9199	49199	9199	-24.2985	8.661	-0.282	-1.665	20.1615	-74.07	1
49199_9200	49199	9200	-64.197	46.9425	-1.11	-9.7785	31.8375	-3.831	1
49200_9200	49200	9200	-24.438	8.4555	-0.315	-0.9765	17.8335	-145.517	1
49200_9201	49200	9201	-64.965	48.75	-1.125	-8.736	18.6615	-466.664	1
49201_9201	49201	9201	-24.6435	7.836	-0.3135	-1.4535	14.094	-237.332	1
49201_9202	49201	9202	-66.1755	47.1825	-1.1205	-9.6075	3.5295	-1070.77	1
49202_9202	49202	9202	-24.831	7.236	-0.1125	-1.1355	9.9465	-341.279	1
49202_9203	49202	9203	-67.329	46.722	3.687	-8.394	48.3705	-1638.26	1
49203_9203	49203	9203	-25.0095	6.5925	-0.132	-1.011	8.5305	-431.973	1
49203_9204	49203	9204	-68.544	48.6525	3.9195	-8.7975	98.82	-2247	1
49204_9204	49204	9204	-120.17	-7.179	6.7005	4.626	-230.133	-111.231	1
49204_9205	49204	9205	-32.214	1.2795	-0.7515	-0.819	33.693	192.432	1
49205_9205	49205	9205	-120.162	-7.179	6.8265	2.7315	-166.481	-75.5655	1
49205_9206	49205	9206	-32.2155	1.2795	-0.717	-0.423	28.137	173.793	1
49206_9206	49206	9206	-120.162	-7.179	6.8265	2.7315	-113.573	-19.9275	1
49206_9207	49206	9207	-32.2155	1.2795	-0.717	-0.423	22.581	163.8735	1
49207_9207	49207	9207	-120.141	-7.6755	2.139	4.026	-60.666	35.7225	1
49207_9208	49207	9208	-32.2155	1.248	-0.5535	-1.059	18.153	153.888	1
49208_9208	49208	9208	-120.138	-7.6755	2.289	4.1475	-43.5555	97.116	1
49208_9209	49208	9209	-32.2155	1.248	-0.513	-0.867	14.046	143.9055	1
49209_9209	49209	9209	-120.135	-7.6755	2.439	4.3455	-25.2435	158.5095	1
49209_9210	49209	9210	-32.217	1.248	-0.4725	-0.687	10.2615	133.9245	1
49210_9210	49210	9210	-120.128	-8.0175	1.155	2.6595	-5.73	219.8955	1
49210_9211	49210	9211	-32.217	1.2075	-0.4425	-1.2315	7.6035	126.6825	1
49211_9211	49211	9211	-120.125	-8.0175	1.3545	3.105	1.197	267.9915	1
49211_9212	49211	9212	-32.2185	1.2075	-0.39	-1.02	5.268	119.4435	1
49212_9212	49212	9212	-120.123	-8.0175	1.5555	3.633	9.324	316.089	1
49212_9213	49212	9213	-32.2185	1.2075	-0.336	-0.8205	3.2535	112.2045	1
49213_9213	49213	9213	-120.12	-8.0175	1.755	4.239	18.654	364.185	1
49213_9214	49213	9214	-32.22	1.2075	-0.282	-0.633	1.5615	104.964	1
49214_9214	49214	9214	-120.117	-8.3265	1.9725	1.4475	29.184	412.2975	1
49214_9215	49214	9215	-32.2215	1.1745	-0.5445	-1.227	-2.7915	95.586	1
49215_9215	49215	9215	-120.111	-8.3265	2.271	2.6385	44.943	478.8255	1
49215_9216	49215	9216	-32.223	1.1745	-0.465	-0.99	-6.51	86.193	1
49216_9216	49216	9216	-120.105	-8.3265	2.571	4.002	63.114	545.436	1
49216_9217	49216	9217	-32.223	1.1745	-0.384	-0.774	-9.5835	76.8	1
49217_9217	49217	9217	-120.098	-8.6235	3.063	-0.8385	83.6865	612.1125	1
49217_9218	49217	9218	-32.2305	1.1715	-0.921	-1.0395	-16.7205	67.7265	1
49218_9218	49218	9218	-120.086	-8.6235	3.5265	1.788	107.424	678.9495	1
49218_9219	49218	9219	-32.2335	1.1715	-0.7965	-0.777	-22.89	58.65	1
49219_9219	49219	9219	-120.084	-8.6235	3.576	2.9565	134.766	774.81	1
49219_9220	49219	9220	-32.235	1.1715	-0.783	-0.942	-30.3285	55.3095	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49220_9220	49220	9220	-19.749	-10.32	-0.255	2.451	22.0665	-488.382	1
49220_9221	49220	9221	-54.348	-49.7955	-3.612	9.768	48.849	-933.177	1
49221_9221	49221	9221	-19.4775	-10.7235	-0.198	0.816	18.9015	-355.046	1
49221_9222	49221	9222	-53.0925	-48.141	-3.2865	5.265	6.906	-355.782	1
49222_9222	49222	9222	-19.191	-11.1165	0.3495	2.0475	16.359	-220.64	1
49222_9223	49222	9223	-51.816	-48.5835	1.332	7.011	25.0095	261.0795	1
49223_9223	49223	9223	-18.9045	-11.595	0.441	1.0215	21.051	-79.0695	1
49223_9224	49223	9224	-50.5785	-48.5445	1.545	6.9765	43.422	778.0515	1
49224_9224	49224	9224	-18.7215	-11.805	0.3315	1.4955	26.235	57.162	1
49224_9225	49224	9225	-49.8435	-49.365	0.8175	4.257	50.073	1137.815	1
49225_9225	49225	9225	-18.621	-11.961	0.3945	1.7745	28.9845	154.6665	1
49225_9226	49225	9226	-49.428	-49.7775	0.984	7.6695	64.3485	1858.817	1
49226_9226	49226	9226	-18.627	-12.1485	0.117	0.894	34.6935	327.921	1
49226_9227	49226	9227	-49.452	-52.728	-0.213	0.219	61.9185	2458.682	1
49227_9227	49227	9227	-18.6255	-12.1485	0.1665	2.1225	36.021	466.0695	1
49227_9228	49227	9228	-49.4535	-17.46	-0.084	6.6975	60.972	2657.247	1
49228_9228	49228	9228	-18.627	-12.6165	0.0345	-0.015	37.9065	604.266	1
49228_9229	49228	9229	-49.4565	-1.725	-0.2835	-4.563	57.7485	2676.993	1
49229_9229	49229	9229	-18.627	-12.6165	0.0825	1.956	38.292	747.6585	1
49229_9230	49229	9230	-49.4565	-1.725	-0.153	2.493	56.007	2696.609	1
49230_9230	49230	9230	-18.627	-13.2975	0.15	-1.803	39.234	891.027	1
49230_9231	49230	9231	-49.4535	49.545	-0.717	-8.79	47.376	2099.912	1
49231_9231	49231	9231	-18.6255	-13.2975	0.192	0.6225	41.034	1051.149	1
49231_9232	49231	9232	-49.455	60.333	-0.603	-3.945	41.9655	1558.323	1
49232_9232	49232	9232	-18.5715	-13.3725	0.2625	4.845	42.783	1170.929	1
49232_9233	49232	9233	-49.7085	63.147	-0.417	1.719	40.689	1365.156	1
49233_9233	49233	9233	-18.4245	-14.3925	-0.375	-4.0935	43.518	1212.03	1
49233_9234	49233	9234	-50.295	60.6465	-2.3595	-8.646	18.0795	787.0875	1
49234_9234	49234	9234	-18.228	-14.6415	-0.3255	-1.08	39.984	1349.205	1
49234_9235	49234	9235	-51.12	59.9565	-2.229	-6.816	1.545	344.0445	1
49235_9235	49235	9235	-18.0075	-14.9115	-0.27	2.613	37.737	1464.873	1
49235_9236	49235	9236	-52.065	62.811	-2.1	-6.045	-12.363	130.071	1
49236_9236	49236	9236	-17.748	-15.612	-1.3605	-4.953	35.6865	1557.705	1
49236_9237	49236	9237	-52.98	61.608	-0.7995	-6.4935	-20.3655	-477.453	1
49237_9237	49237	9237	-17.463	-15.9375	-1.2885	1.266	22.6755	1711.658	1
49237_9238	49237	9238	-54.1095	60.6195	-0.6075	-7.9665	-26.3055	-1045.01	1
49238_9238	49238	9238	-17.034	-18.561	1.9245	-8.0925	9.507	1847.51	1
49238_9239	49238	9239	-55.038	56.724	5.838	-12.921	24.804	-1528.55	1
49239_9239	49239	9239	-16.7865	-18.783	1.9635	-4.371	27.114	2014.128	1
49239_9240	49239	9240	-55.7865	58.836	6.267	-16.7625	49.9035	-1706.25	1
49240_9240	49240	9240	-124.514	-18.573	-4.251	-15.0375	-124.061	-487.818	1
49240_9241	49240	9241	-45.759	-1.152	1.6065	3.9375	16.902	83.8425	1
49241_9241	49241	9241	-124.907	-12.447	4.0155	6.6285	-150.974	-369.194	1
49241_9242	49241	9242	-45.6675	-2.1195	-0.309	0.93	15.9255	90.4005	1
49242_9242	49242	9242	-124.898	-12.447	4.257	5.76	-138.282	-336.651	1
49242_9243	49242	9243	-45.6675	-2.1195	-0.2205	1.116	13.197	114.108	1
49243_9243	49243	9243	-124.887	-12.447	4.587	5.277	-85.695	-182.894	1
49243_9244	49243	9244	-45.669	-2.1195	-0.1005	1.419	12.2985	133.152	1
49244_9244	49244	9244	-124.751	-11.676	1.8675	5.049	-44.4825	-71.0835	1
49244_9245	49244	9245	-45.6645	-2.2845	-0.069	0.855	11.583	156.99	1
49245_9245	49245	9245	-124.745	-11.676	2.214	5.19	-24.96	50.943	1
49245_9246	49245	9246	-45.6645	-2.2845	0.0585	1.29	12.1185	177.9375	1
49246_9246	49246	9246	-124.668	-11.877	0.546	3.8055	-4.6575	157.9245	1
49246_9247	49246	9247	-45.66	-2.3475	0.072	0.7545	12.885	202.653	1
49247_9247	49247	9247	-124.665	-11.877	0.9615	4.749	1.098	283.1895	1
49247_9248	49247	9248	-45.6585	-2.3475	0.225	1.431	14.928	223.9695	1
49248_9248	49248	9248	-124.676	-12.2715	1.6965	2.9175	9.831	391.002	1
49248_9249	49248	9249	-45.66	-2.4645	0.3585	0.5955	18.3315	247.3215	1
49249_9249	49249	9249	-124.671	-12.2715	2.001	4.1595	25.9305	507.4395	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49249_9250	49249	9250	-45.6585	-2.4645	0.471	1.2	23.0985	272.3025	1
49250_9250	49250	9250	-124.686	-12.8685	3.6135	1.746	46.2165	631.6965	1
49250_9251	49250	9251	-45.657	-2.643	0.6705	0.3585	29.7255	298.3665	1
49251_9251	49251	9251	-124.677	-12.8685	3.9195	3.6045	81.906	758.79	1
49251_9252	49251	9252	-45.6555	-2.643	0.783	1.089	37.3575	324.1335	1
49252_9252	49252	9252	-124.533	-13.8555	-4.212	-16.989	120.1125	883.8735	1
49252_9253	49252	9253	-45.6225	-2.7375	-1.098	-4.002	33.888	332.6895	1
49253_9253	49253	9253	-124.542	-13.8555	-3.981	-15.336	106.803	929.9115	1
49253_9254	49253	9254	-45.624	-2.7375	-1.014	-3.4005	24.261	359.5215	1
49254_9254	49254	9254	-33.108	-11.214	-1.3875	4.782	23.4135	-660.543	1
49254_9255	49254	9255	-58.3245	-34.803	-6.912	18.2145	-38.4165	-1159.56	1
49255_9255	49255	9255	-32.928	-12.741	0.774	2.5155	7.179	-527.138	1
49255_9256	49255	9256	-57.972	-40.5945	3.4125	7.236	-0.7005	-726.666	1
49256_9256	49256	9256	-32.6535	-13.4205	0.8865	0.813	15.558	-391.233	1
49256_9257	49256	9257	-57.1065	-41.787	3.606	4.6845	39.2535	-267.024	1
49257_9257	49257	9257	-32.4465	-13.6905	0.4125	2.6205	25.2285	-243.599	1
49257_9258	49257	9258	-56.613	-41.244	0.006	6.1995	37.6365	-124.614	1
49258_9258	49258	9258	-32.2245	-14.205	0.465	1.7025	27.258	-190.814	1
49258_9259	49258	9259	-55.9485	-42.1395	0.0975	5.352	38.727	278.877	1
49259_9259	49259	9259	-32.031	-14.6325	0.549	1.152	31.9785	-47.2785	1
49259_9260	49259	9260	-55.3815	-42.8805	0.243	5.574	40.422	567.3195	1
49260_9260	49260	9260	-31.9185	-14.814	-0.0405	1.1925	35.682	51.156	1
49260_9261	49260	9261	-55.053	-43.842	0.1875	1.9485	41.088	700.9035	1
49261_9261	49261	9261	-31.8585	-14.94	0.06	1.368	35.556	101.2185	1
49261_9262	49261	9262	-54.8775	-44.061	0.363	4.0455	45.2475	1211.333	1
49262_9262	49262	9262	-31.8585	-14.94	0.1605	2.2275	36.2415	272.4525	1
49262_9263	49262	9263	-54.876	-44.061	0.5355	7.8645	50.532	1646.264	1
49263_9263	49263	9263	-31.8615	-15.192	0.0225	0.8205	37.8255	419.9625	1
49263_9264	49263	9264	-54.8835	-46.3035	-0.0525	0.9945	49.923	2190.216	1
49264_9264	49264	9264	-31.8615	-15.192	0.0795	1.902	38.091	598.3935	1
49264_9265	49264	9265	-54.8835	-46.3035	0.048	4.95	50.4585	2714.067	1
49265_9265	49265	9265	-31.8645	-15.6855	0.021	-0.2235	38.9985	770.367	1
49265_9266	49265	9266	-54.891	5.499	-0.1005	-3.4125	49.2735	2649.707	1
49266_9266	49266	9266	-31.8645	-15.6855	0.075	1.404	39.249	954.9255	1
49266_9267	49266	9267	-54.891	5.499	-0.0075	1.1025	49.1925	2587.595	1
49267_9267	49267	9267	-31.875	-16.386	-0.2475	-1.9515	40.1025	1132.284	1
49267_9268	49267	9268	-54.9315	2.3085	-1.347	-7.716	40.1805	2572.661	1
49268_9268	49268	9268	-31.875	-16.386	-0.2295	-1.2525	38.448	1241.882	1
49268_9269	49268	9269	-54.9315	55.449	-1.317	-6.27	31.32	2199.537	1
49269_9269	49269	9269	-31.7205	-16.6845	-0.1785	0.54	36.912	1353.414	1
49269_9270	49269	9270	-55.554	70.8465	-1.2405	-3.0015	19.308	1630.338	1
49270_9270	49270	9270	-31.4385	-17.8875	-0.522	-4.6305	35.0745	1514.534	1
49270_9271	49270	9271	-56.7675	68.2665	-2.109	-8.8935	-2.64	915.45	1
49271_9271	49271	9271	-31.1175	-18.4425	-0.4665	-2.274	29.697	1707.071	1
49271_9272	49271	9272	-57.978	68.583	-2.004	-7.5645	-19.173	453.5715	1
49272_9272	49272	9272	-30.894	-18.816	-0.3915	1.782	26.1105	1857.444	1
49272_9273	49272	9273	-58.8135	69.8835	-1.8735	-5.811	-28.755	207.6945	1
49273_9273	49273	9273	-30.5205	-19.497	1.5285	-7.0095	23.514	1954.779	1
49273_9274	49273	9274	-59.7735	69.3975	4.365	-7.05	23.127	-579.918	1
49274_9274	49274	9274	-30.0165	-20.2545	1.647	0.0915	42.3435	2187.263	1
49274_9275	49274	9275	-61.4745	67.881	4.569	-9.786	82.677	-1470.4	1
49275_9275	49275	9275	-140.858	12.123	-4.5825	-1.695	170.235	1066.442	1
49275_9276	49275	9276	-38.154	-1.542	0.873	2.0895	-27.516	89.061	1
49276_9276	49276	9276	-140.862	12.123	-4.4205	-0.534	147.855	1007.252	1
49276_9277	49276	9277	-38.1525	-1.542	0.9165	2.1915	-23.28	96.1845	1
49277_9277	49277	9277	-140.87	12.123	-4.191	1.4145	127.4325	937.9725	1
49277_9278	49277	9278	-38.151	-1.542	0.9795	2.256	-14.2605	106.794	1
49278_9278	49278	9278	-140.823	12.756	-2.3115	-5.124	88.827	826.5915	1
49278_9279	49278	9279	-38.1765	-1.6005	0.2715	1.0695	-11.193	124.9425	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49279_9279	49279	9279	-140.831	12.756	-1.7085	-2.202	62.6865	682.3545	1
49279_9280	49279	9280	-38.175	-1.6005	0.435	1.605	-6.1275	143.5905	1
49280_9280	49280	9280	-140.819	12.966	-0.7665	-5.0175	42.777	533.832	1
49280_9281	49280	9281	-38.187	-1.9875	0.102	0.708	-4.941	166.893	1
49281_9281	49281	9281	-140.82	12.966	-0.1995	-3.48	33.801	382.032	1
49281_9282	49281	9282	-38.1855	-1.9875	0.255	1.38	-1.896	190.6215	1
49282_9282	49282	9282	-140.889	14.0775	-2.2635	-3.111	31.4175	272.574	1
49282_9283	49282	9283	-38.1855	-2.1975	0.3555	0.12	2.508	230.2425	1
49283_9283	49283	9283	-140.898	14.0775	-1.5885	-2.643	3.3405	97.9275	1
49283_9284	49283	9284	-38.1825	-2.1975	0.537	1.2225	8.5485	254.937	1
49284_9284	49284	9284	-141.072	15.207	-7.89	-2.55	-14.514	-60.2475	1
49284_9285	49284	9285	-38.1375	-2.5845	2.292	-0.0105	31.7655	281.1495	1
49285_9285	49285	9285	-141.095	15.207	-7.473	-3.183	-94.419	-214.241	1
49285_9286	49285	9286	-38.13	-2.5845	2.406	0.822	54.3225	305.385	1
49286_9286	49286	9286	-141.09	17.9205	6.3045	4.566	-164.499	-356.859	1
49286_9287	49286	9287	-38.1315	-3.1155	-1.8495	-1.863	46.8795	317.928	1
49287_9287	49287	9287	-141.095	17.9205	6.225	5.1495	-139.125	-421.307	1
49287_9288	49287	9288	-38.13	-3.1155	-1.872	-2.1465	29.103	349.5945	1
49288_9288	49288	9288	-2.5845	-5.7885	2.2455	-3.609	-20.457	-746.721	1
49288_9289	49288	9289	-15.5955	-75.0975	-10.7685	15.99	-70.3575	108.7905	1
49289_9289	49289	9289	-2.5005	-0.1665	-0.201	0.0585	-4.5435	-86.133	1
49289_9290	49289	9290	-13.9605	-74.9355	4.8405	3.1815	-1.581	387.297	1
49290_9290	49290	9290	-2.4945	-0.234	-0.195	0.033	-6.927	-84.1545	1
49290_9291	49290	9291	-12.12	-61.224	4.1955	3.5535	52.3965	461.1165	1
49291_9291	49291	9291	-2.484	-0.2685	0.051	0.129	-9.186	-81.447	1
49291_9292	49291	9292	-11.325	-58.4175	0.2835	3.084	51.6	455.964	1
49292_9292	49292	9292	-2.4795	-0.306	0.057	0.0435	-8.97	-80.7915	1
49292_9293	49292	9293	-10.4715	-53.805	0.3225	3.4725	52.4565	721.3425	1
49293_9293	49293	9293	-2.4765	-0.333	0.0615	-0.024	-8.5125	-78.336	1
49293_9294	49293	9294	-9.906	-50.241	0.339	4.086	53.5785	986.3145	1
49294_9294	49294	9294	-2.4765	-0.333	0.027	0.2835	-8.0175	-75.687	1
49294_9295	49294	9295	-9.9345	-54.162	-1.1385	-0.564	49.017	1203.516	1
49295_9295	49295	9295	-2.4765	-0.333	0.0345	0.0435	-7.9095	-73.6845	1
49295_9296	49295	9296	-9.9375	-54.162	-1.1055	3.186	37.7595	1757.889	1
49296_9296	49296	9296	-2.4765	-0.333	0.0405	-0.1215	-7.551	-70.29	1
49296_9297	49296	9297	-9.9405	-54.162	-1.0815	7.2855	28.8195	2205.365	1
49297_9297	49297	9297	-2.4765	-0.3315	0.0705	0.1245	-7.2135	-67.548	1
49297_9298	49297	9298	-9.9285	-57.7575	-0.462	-1.4655	23.5155	2869.491	1
49298_9298	49298	9298	-2.475	-0.3315	0.0795	-0.0915	-6.3975	-63.7425	1
49298_9299	49298	9299	-9.93	-57.7575	-0.4275	8.2965	18.9465	3486.308	1
49299_9299	49299	9299	-2.4765	-0.3315	0.0735	0.123	-5.5515	-60.2145	1
49299_9300	49299	9300	-9.9315	-53.2485	-0.375	-5.8305	14.8995	4061.967	1
49300_9300	49300	9300	-2.475	-0.3315	0.081	-0.06	-4.758	-56.637	1
49300_9301	49300	9301	-9.933	-21.606	-0.342	7.2915	10.5105	4338.644	1
49301_9301	49301	9301	-2.4765	-0.3345	0.0675	0.123	-3.7155	-52.4025	1
49301_9302	49301	9302	-9.9345	0.1965	-0.381	-9.8475	5.9865	4336.938	1
49302_9302	49302	9302	-2.475	-0.3345	0.0765	-0.066	-2.916	-48.4275	1
49302_9303	49302	9303	-9.936	0.1965	-0.3435	7.0695	1.956	4334.642	1
49303_9303	49303	9303	-2.475	-0.342	0.0615	0.0945	-2.0115	-44.4945	1
49303_9304	49303	9304	-9.936	49.725	-0.2085	-9.7245	-0.6675	3710.724	1
49304_9304	49304	9304	-2.475	-0.342	0.0705	-0.039	-1.239	-40.203	1
49304_9305	49304	9305	-9.936	49.725	-0.1755	2.715	-2.607	3161.624	1
49305_9305	49305	9305	-2.4765	-0.357	0.027	0.108	-0.468	-36.4365	1
49305_9306	49305	9306	-9.9345	45.762	-0.042	-11.589	-3.075	2656.389	1
49306_9306	49306	9306	-2.4765	-0.357	0.0375	-0.0255	-0.165	-32.484	1
49306_9307	49306	9307	-9.9345	45.762	-0.0015	-0.7755	-3.099	2081.976	1
49307_9307	49307	9307	-2.4795	-0.384	-0.1155	0.069	0.306	-27.9975	1
49307_9308	49307	9308	-9.921	43.443	0.642	-8.892	4.5345	1565.706	1
49308_9308	49308	9308	-2.4795	-0.384	-0.108	0.0075	-1.0605	-23.4315	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49308_9309	49308	9309	-9.9195	43.443	0.6675	-4.848	12.3465	1057.323	1
49309_9309	49309	9309	-2.4855	-0.3465	-0.3315	0.135	-2.331	-18.9405	1
49309_9310	49309	9310	-9.903	42.6285	1.3485	-7.983	28.452	548.3385	1
49310_9310	49310	9310	-2.4855	-0.3465	-0.324	0.0855	-6.297	-14.7975	1
49310_9311	49310	9311	-9.8985	42.6285	1.3815	-6.153	44.553	51.5835	1
49311_9311	49311	9311	-2.55	7.506	-10.6455	3.69	35.3115	-12.0045	1
49311_9312	49311	9312	-10.194	43.707	-13.431	0.1635	0	-93.5025	1

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95
	Max.	1.31	1.58	1.84	1.84	1.05			0.00	
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	

Fatigue I	Max/Min	1.5								
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VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
1000_1000	1000	1000	1.2945	0.693	-0.2565	0.2835	0	4.7985	1
1000_1001	1000	1001	-0.774	2.376	-0.2895	0.2595	-4.926	-17.019	1
1001_1001	1001	1001	0.369	0.693	-0.2565	0.2835	-4.356	-2.6895	1
1001_1002	1001	1002	-2.8035	2.376	-0.2895	0.267	-8.061	-33.417	1
9000_9000	9000	9000	2.277	92.862	-0.183	-1.026	0	8.3505	1
9000_9001	9000	9001	-3.8865	8.6925	-1.149	-0.321	-9.531	-38.007	1
9001_9001	9001	9001	-52.9395	85.6365	-0.27	-1.455	-2.2395	-440.981	1
9001_9002	9001	9002	-9.9825	8.6925	-1.149	-0.333	-19.746	-87.1905	1
9002_9002	9002	9002	-99.5925	77.7465	0.336	-1.11	-6.9045	-821.463	1
9002_9003	9002	9003	-17.8935	8.31	0.5505	-0.3135	-13.092	-151.064	1
9003_9003	9003	9003	-153.158	69.0645	0.3975	-1.8855	-4.275	-1256.92	1
9003_9004	9003	9004	81.0585	10.959	-0.1035	0.5925	-1.0515	660.165	1
9004_9004	9004	9004	-192.636	64.893	0.0705	-0.828	-0.636	-1577.89	1
9004_9005	9004	9005	130.788	17.0265	0.0405	0.1305	-1.0965	1065.413	1
9005_9005	9005	9005	-223.101	57.186	0.096	-1.788	-0.7635	-1825.47	1
9005_9006	9005	9006	173.967	25.659	0.018	0.9105	-1.1715	1418.408	1
9006_9006	9006	9006	-242.282	54.663	-0.042	-0.642	-0.7245	-1981.36	1
9006_9007	9006	9007	208.209	30.1635	0.1035	0.009	-0.309	1698.669	1
9007_9007	9007	9007	-255.495	47.58	-0.0255	-1.209	-2.265	-2088.58	1
9007_9008	9007	9008	229.9455	38.1315	0.093	0.5385	0.789	1877.067	1
9008_9008	9008	9008	-259.431	46.218	-0.063	-0.531	-3.75	-2120.46	1
9008_9009	9008	9009	244.7805	40.563	0.129	-0.129	2.337	1998.999	1
9009_9009	9009	9009	-259.628	39.549	-0.0465	-0.606	-5.5455	-2121.77	1
9009_9010	9009	9010	249.234	47.9805	0.117	-0.0495	3.963	2036.501	1
9010_9010	9010	9010	-251.936	38.3115	-0.0915	0.3075	-7.215	-2059.04	1
9010_9011	9010	9011	248.5815	49.7415	0.171	-0.9315	6.1785	2032.202	1
9011_9011	9011	9011	-241.743	31.9905	-0.0705	-0.6765	-9.1515	-1975.82	1
9011_9012	9011	9012	238.821	56.8305	0.1575	0.063	8.3895	1953.882	1
9012_9012	9012	9012	-224.763	30.4545	-0.1185	0.5115	-10.8225	-1837.49	1
9012_9013	9012	9013	225.177	58.5075	0.246	-1.206	11.4795	1843.784	1
9013_9013	9013	9013	-207.026	24.5775	-0.084	-0.372	-12.4515	-1692.71	1
9013_9014	9013	9014	203.3565	65.4015	0.225	-0.2775	14.3475	1667.258	1
9014_9014	9014	9014	-172.35	20.943	0.0675	0.4035	-13.2585	-1410.31	1
9014_9015	9014	9015	159.2595	67.896	-0.063	-1.1625	13.0995	1310.517	1
9015_9015	9015	9015	-183.191	16.833	0.051	-0.084	-8.007	-1388.6	1
9015_9016	9015	9016	167.9625	76.5225	-0.042	-0.2325	8.277	1322.262	1
9016_9016	9016	9016	-145.787	13.9725	0.183	0.36	-7.3665	-1135.32	1
9016_9017	9016	9017	107.3925	78.639	-0.2925	-0.6615	4.6455	962.871	1
9017_9017	9017	9017	-100.566	9.033	0.123	0.06	-5.466	-885.194	1
9017_9018	9017	9018	46.812	85.368	-0.2895	-0.4185	0.795	572.334	1
9018_9018	9018	9018	-58.9725	5.208	-0.1335	0.255	-4.6275	-639.144	1
9018_9019	9018	9019	6.561	90.7065	0.6	-0.699	8.655	211.044	1
9019_9019	9019	9019	-37.2735	2.817	-0.0045	0.138	-5.7495	-501.105	1
9019_9020	9019	9020	-24.027	97.209	0.4995	-0.786	14.517	-219.828	1
9020_9020	9020	9020	-55.422	76.2555	0.8235	-0.147	-24.747	-27.8625	1
9020_9021	9020	9021	163.3095	16.7685	-1.0485	-0.276	25.995	589.6635	1
9021_9021	9021	9021	-81.3195	70.9455	0.6	-0.321	-11.487	-261.26	1
9021_9022	9021	9022	167.361	20.1645	-0.8325	0.123	12.813	663.4905	1
9022_9022	9022	9022	-95.9595	65.649	0.525	-0.279	-5.511	-386.208	1
9022_9023	9022	9023	167.508	23.49	-0.804	0.0915	5.706	702.5745	1
9023_9023	9023	9023	-108.497	61.3605	0.0315	-0.111	-0.642	-490.974	1
9023_9024	9023	9024	166.203	26.0805	-0.138	-0.144	3.852	733.5795	1
9024_9024	9024	9024	-120.69	55.6335	0.0105	-0.1515	0.2235	-587.622	1
9024_9025	9024	9025	163.5765	30.0885	-0.123	-0.1095	2.2755	754.3695	1
9025_9025	9025	9025	-130.043	50.031	-0.006	-0.2745	0.7425	-658.436	1
9025_9026	9025	9026	158.9715	34.548	-0.117	0.048	0.858	759.0315	1
9026_9026	9026	9026	-143.529	48.7485	-0.024	0.0555	0.867	-753.219	1
9026_9027	9026	9027	161.661	36.7995	-0.0345	-0.2745	0.3285	809.4885	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9027_9027	9027	9027	-147.728	44.568	-0.021	-0.144	0.8205	-779.691	1
9027_9028	9027	9028	157.9485	40.518	-0.039	-0.093	-0.0765	803.7615	1
9028_9028	9028	9028	-150.377	40.557	-0.03	-0.153	0.735	-792.087	1
9028_9029	9028	9029	153.5115	44.535	-0.03	-0.0795	-0.3825	789.1245	1
9029_9029	9029	9029	-152.097	36.816	-0.0375	-0.1875	0.5445	-794.199	1
9029_9030	9029	9030	147.384	48.7065	-0.024	-0.03	-0.6	759.3765	1
9030_9030	9030	9030	-146.918	34.614	-0.108	0.0075	0.177	-740.099	1
9030_9031	9030	9031	132.1275	49.89	-0.012	-0.2415	-0.699	662.454	1
9031_9031	9031	9031	-148.946	30.1305	-0.126	-0.039	-0.9945	-731.276	1
9031_9032	9031	9032	120.3975	55.5	0.0105	-0.216	-0.3945	588.6015	1
9032_9032	9032	9032	-148.989	26.0895	-0.132	-0.186	-2.4315	-705.873	1
9032_9033	9032	9033	105.735	61.2255	0.024	-0.0735	0.1965	488.292	1
9033_9033	9033	9033	-147.749	23.451	-0.81	0.144	-4.083	-670.007	1
9033_9034	9033	9034	90.804	65.5605	0.5295	-0.3105	4.896	380.4195	1
9034_9034	9034	9034	-145.065	20.079	-0.8265	0.0975	-11.0805	-624.84	1
9034_9035	9034	9035	73.5975	70.8495	0.5985	-0.306	10.68	250.8105	1
9035_9035	9035	9035	-137.295	16.629	-1.0605	-0.3045	-23.862	-546.678	1
9035_9036	9035	9036	45.0345	76.2105	0.84	-0.1215	23.904	14.952	1
9036_9036	9036	9036	60.2715	91.116	0.465	-0.7575	-11.4045	319.8015	1
9036_9037	9036	9037	33.4695	9.4725	-0.0495	-0.2175	0.792	353.5605	1
9037_9037	9037	9037	39.699	84.8895	0.5475	-0.7215	-5.8425	-29.1525	1
9037_9038	9037	9038	32.232	9.7065	-0.0525	-0.0945	-0.0315	262.6095	1
9038_9038	9038	9038	12.057	79.836	-0.2595	-0.507	1.338	-309.522	1
9038_9039	9038	9039	64.3365	11.7615	0.1305	0.0675	3.7995	758.775	1
9039_9039	9039	9039	-34.239	73.83	-0.261	-0.6465	-2.0475	-625.941	1
9039_9040	9039	9040	97.0065	16.4805	0.192	0.321	5.568	952.6095	1
9040_9040	9040	9040	-83.478	72.3	-0.204	-0.5295	-5.139	-933.672	1
9040_9041	9040	9041	123.3375	19.029	0.129	0.1395	6.546	1151.724	1
9041_9041	9041	9041	-97.9575	62.8395	-0.0945	-0.39	-3.333	-830.099	1
9041_9042	9041	9042	138.576	22.6095	0.0705	0.084	4.2435	1061.367	1
9042_9042	9042	9042	-142.385	60.1035	0.0135	-0.2265	-4.7655	-1107.57	1
9042_9043	9042	9043	164.31	26.2125	-0.0165	-0.063	4.281	1240.332	1
9043_9043	9043	9043	-164.237	52.9065	0.0105	-0.384	-4.5855	-1239.74	1
9043_9044	9043	9044	173.8245	32.427	-0.015	0.093	4.2555	1308.288	1
9044_9044	9044	9044	-177.944	50.8395	0.0045	-0.12	-4.4595	-1318.68	1
9044_9045	9044	9045	183.1245	34.206	-0.0075	-0.171	4.2525	1370.087	1
9045_9045	9045	9045	-188.807	43.7175	0	-0.2985	-4.377	-1378.26	1
9045_9046	9045	9046	185.4435	40.9635	-0.0045	0.006	4.2825	1384.257	1
9046_9046	9046	9046	-191.648	41.898	-0.0075	-0.009	-4.3425	-1385.87	1
9046_9047	9046	9047	186.066	42.711	0.003	-0.2835	4.365	1384.496	1
9047_9047	9047	9047	-192.257	35.07	-0.0105	-0.1875	-4.3665	-1378.06	1
9047_9048	9047	9048	178.932	49.8165	0.006	-0.105	4.5	1333.26	1
9048_9048	9048	9048	-185.31	33.216	-0.024	0.087	-4.4175	-1321.2	1
9048_9049	9048	9049	169.0575	51.7995	0.0195	-0.3795	4.7685	1262.922	1
9049_9049	9049	9049	-177.677	26.9235	-0.024	-0.0825	-4.5525	-1258.34	1
9049_9050	9049	9050	150.9135	59.0385	0.024	-0.2085	5.097	1138.91	1
9050_9050	9050	9050	-153.113	23.223	0.066	0.117	-4.572	-1082.35	1
9050_9051	9050	9051	109.9725	61.7775	-0.0885	-0.4155	3.774	869.2845	1
9051_9051	9051	9051	-148.413	19.218	0.0645	0.015	-3.996	-1129.34	1
9051_9052	9051	9052	105.909	71.2755	-0.1005	-0.3765	3.42	932.3685	1
9052_9052	9052	9052	-120.263	16.2915	0.0975	0.1845	-3.4485	-940.422	1
9052_9053	9052	9053	55.143	73.0365	-0.141	-0.543	1.7445	638.82	1
9053_9053	9053	9053	-76.692	11.3895	0.09	0.2175	-3.4275	-797.48	1
9053_9054	9053	9054	3.072	79.911	-0.1965	-0.8955	-0.2415	352.935	1
9054_9054	9054	9054	-45.282	7.233	-0.123	0.234	-2.904	-592.971	1
9054_9055	9054	9055	-23.976	85.3995	0.447	-0.9075	5.664	61.365	1
9055_9055	9055	9055	-52.173	6.0645	-0.0135	-0.2595	1.5105	-312.905	1
9055_9056	9055	9056	-44.94	92.2365	0.3825	-1.0005	10.245	-303.239	1
9056_9056	9056	9056	-66.2955	75.504	0.5835	-0.2205	-16.6185	-117.954	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9056_9057	9056	9057	151.929	17.058	-0.7245	-0.3705	16.89	600.0315	1
9057_9057	9057	9057	-92.745	70.4205	0.4845	-0.5205	-8.64	-356.682	1
9057_9058	9057	9058	158.997	20.763	-0.6585	0.0195	9.2415	701.9745	1
9058_9058	9058	9058	-107.057	65.202	0.438	-0.693	-3.942	-488.883	1
9058_9059	9058	9059	161.691	24.279	-0.6585	0.333	3.486	756.756	1
9059_9059	9059	9059	-118.976	61.107	0.0135	-0.1395	-0.039	-596.66	1
9059_9060	9059	9060	162.654	26.901	-0.0825	-0.405	2.268	800.4255	1
9060_9060	9060	9060	-130.496	55.494	0.0075	-0.4515	0.4485	-695.525	1
9060_9061	9060	9061	162.0375	31.008	-0.0825	-0.0885	1.1745	830.853	1
9061_9061	9061	9061	-139.298	49.995	-0.009	-0.504	0.762	-766.899	1
9061_9062	9061	9062	159.3615	35.5425	-0.072	0.009	0.2505	842.9985	1
9062_9062	9062	9062	-151.898	48.9975	-0.0135	-0.168	0.7575	-864.057	1
9062_9063	9062	9063	163.38	37.6215	-0.024	-0.3075	-0.126	902.841	1
9063_9063	9063	9063	-155.999	44.9025	-0.0285	0.117	0.687	-890.681	1
9063_9064	9063	9064	160.977	41.346	-0.0075	-0.621	-0.2715	901.452	1
9064_9064	9064	9064	-158.606	40.953	-0.015	-0.6015	0.4905	-902.087	1
9064_9065	9064	9065	157.6065	45.3075	-0.0225	0.096	-0.4815	888.6525	1
9065_9065	9065	9065	-160.31	37.2525	-0.0285	-0.333	0.3525	-902.306	1
9065_9066	9065	9066	152.706	49.416	-0.009	-0.1425	-0.573	860.4735	1
9066_9066	9066	9066	-155.493	35.1915	-0.075	0.09	0.0135	-841.659	1
9066_9067	9066	9067	139.248	50.3955	-0.0015	-0.588	-0.5745	761.3865	1
9067_9067	9067	9067	-157.47	30.6885	-0.0765	-0.2445	-0.8685	-828.917	1
9067_9068	9067	9068	129.348	55.8945	0.006	-0.3135	-0.3465	687.9105	1
9068_9068	9068	9068	-157.488	26.6145	-0.087	-0.3195	-1.8495	-798.047	1
9068_9069	9068	9069	116.724	61.5135	0.0195	-0.2235	0.1035	586.836	1
9069_9069	9069	9069	-156.186	24.132	-0.663	0.1785	-3.0435	-755.339	1
9069_9070	9069	9070	103.8795	65.49	0.4395	-0.603	3.9225	478.128	1
9070_9070	9070	9070	-153.353	20.661	-0.675	0.06	-8.781	-702.326	1
9070_9071	9070	9071	88.692	70.7055	0.495	-0.561	8.628	344.946	1
9071_9071	9071	9071	-146.198	17.034	-0.7665	-0.354	-16.926	-605.468	1
9071_9072	9071	9072	61.497	75.7935	0.615	-0.2595	17.1645	105.7275	1
9072_9072	9072	9072	50.2095	91.839	0.3885	-0.9795	-9.957	267.0135	1
9072_9073	9072	9073	21.9825	8.265	-0.033	-0.1875	1.764	266.1165	1
9073_9073	9073	9073	27.0915	85.41	0.4485	-0.954	-5.19	-110.18	1
9073_9074	9073	9074	20.3235	8.361	-0.0345	-0.159	1.257	188.9295	1
9074_9074	9074	9074	-3.5205	80.451	-0.225	-0.705	0.723	-417.767	1
9074_9075	9074	9075	70.533	11.3205	0.1035	0.072	3.3165	808.7535	1
9075_9075	9075	9075	-61.239	73.956	-0.1695	-0.636	-1.6365	-716.742	1
9075_9076	9075	9076	116.2335	15.924	0.1155	0.327	3.5715	963.384	1
9076_9076	9076	9076	-116.472	72.402	-0.096	-0.4065	-3.654	-1027.99	1
9076_9077	9076	9077	146.9865	18.5505	0.0645	0.051	4.1415	1169.867	1
9077_9077	9077	9077	-113.058	64.575	-0.138	-0.8595	-6.3585	-1066.29	1
9077_9078	9077	9078	137.529	22.6725	0.099	0.225	7.317	1221.212	1
9078_9078	9078	9078	-149.085	62.3415	0.069	-0.4755	-8.3685	-1334.79	1
9078_9079	9078	9079	161.3235	25.797	-0.0375	-0.12	7.206	1415.252	1
9079_9079	9079	9079	-168.635	55.719	0.069	-0.882	-7.6125	-1478.34	1
9079_9080	9079	9080	172.6665	31.617	-0.045	0.279	6.858	1508.715	1
9080_9080	9080	9080	-181.614	54.345	0.024	-0.453	-6.9	-1571.72	1
9080_9081	9080	9081	184.329	32.9985	-0.0105	-0.1605	6.702	1600.004	1
9081_9081	9081	9081	-192.419	47.7825	0.0285	-0.573	-6.645	-1647.99	1
9081_9082	9081	9082	190.488	39.231	-0.0165	-0.039	6.498	1647.162	1
9082_9082	9082	9082	-193.757	46.3035	0	-0.1065	-6.4155	-1652.33	1
9082_9083	9082	9083	192.6375	40.251	0.009	-0.4875	6.51	1662.015	1
9083_9083	9083	9083	-196.137	39.4275	0.0015	-0.4995	-6.4335	-1663.71	1
9083_9084	9083	9084	190.8105	47.1765	0.009	-0.0915	6.5685	1645.326	1
9084_9084	9084	9084	-194.343	38.4345	-0.0165	0.111	-6.4875	-1643.39	1
9084_9085	9084	9085	189.9795	48.666	0.0285	-0.705	6.771	1634.909	1
9085_9085	9085	9085	-188.685	32.277	-0.0135	-0.3	-6.6525	-1592.89	1
9085_9086	9085	9086	179.607	55.233	0.0285	-0.2865	7.032	1552.476	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9086_9086	9086	9086	-177.467	30.9	-0.0495	0.27	-6.8085	-1499.1	1
9086_9087	9086	9087	167.0955	56.604	0.0735	-0.8715	7.746	1453.409	1
9087_9087	9087	9087	-166.217	25.1445	-0.0405	-0.099	-7.1805	-1402.61	1
9087_9088	9087	9088	148.05	63.222	0.072	-0.4965	8.4855	1304.703	1
9088_9088	9088	9088	-144.17	22.4835	0.0795	0.2595	-7.332	-1220.25	1
9088_9089	9088	9089	115.5945	65.241	-0.108	-0.882	6.888	1054.658	1
9089_9089	9089	9089	-138.096	18.459	0.0645	0.0555	-5.424	-1233.04	1
9089_9090	9089	9090	106.248	73.1835	-0.0945	-0.654	5.1795	1069.581	1
9090_9090	9090	9090	-109.854	15.654	0.1305	0.399	-4.779	-1013.11	1
9090_9091	9090	9091	56.3415	74.7975	-0.195	-0.963	2.808	739.5285	1
9091_9091	9091	9091	-74.1975	10.6275	0.1125	0.1395	-4.335	-801.104	1
9091_9092	9091	9092	7.4445	81.258	-0.2445	-0.741	0.249	393.546	1
9092_9092	9092	9092	-27.582	8.46	-0.0165	-0.123	-0.018	-225.741	1
9092_9093	9092	9093	-22.1145	86.4495	0.54	-0.861	7.2855	78.696	1
9093_9093	9093	9093	-23.4825	8.2965	-0.015	-0.2355	-0.5895	-290.625	1
9093_9094	9093	9094	-44.7765	93.1485	0.4725	-0.903	13.014	-310.653	1
9094_9094	9094	9094	-66.0645	75.576	0.6705	-0.2595	-18.894	-112.847	1
9094_9095	9094	9095	151.974	17.034	-0.837	-0.3075	19.1865	602.364	1
9095_9095	9095	9095	-90.1755	70.659	0.6945	-0.579	-12.207	-363.117	1
9095_9096	9095	9096	154.7385	20.769	-0.951	0.045	13.0275	718.3125	1
9096_9096	9096	9096	-103.554	65.367	0.615	-0.6105	-5.484	-501.086	1
9096_9097	9096	9097	156.891	24.2955	-0.933	0.147	4.866	774.522	1
9097_9097	9097	9097	-114.548	61.446	0.0135	-0.162	-0.009	-612.696	1
9097_9098	9097	9098	157.4205	26.8035	-0.117	-0.4095	3.1425	819.768	1
9098_9098	9098	9098	-125.43	55.779	0.003	-0.468	0.609	-717.179	1
9098_9099	9098	9099	156.621	30.9345	-0.114	-0.1005	1.6275	852.807	1
9099_9099	9099	9099	-133.608	50.232	-0.0195	-0.5325	0.9675	-791.909	1
9099_9100	9099	9100	153.849	35.4975	-0.0975	0.0105	0.372	866.61	1
9100_9100	9100	9100	-145.443	49.38	-0.027	-0.0765	0.8775	-893.184	1
9100_9101	9100	9101	157.5195	37.4775	-0.0495	-0.408	-0.225	930.4515	1
9101_9101	9101	9101	-149.318	45.2355	-0.0375	-0.1395	0.6975	-922.109	1
9101_9102	9101	9102	155.175	41.214	-0.039	-0.378	-0.561	930.648	1
9102_9102	9102	9102	-151.649	41.2305	-0.0465	-0.2175	0.387	-934.112	1
9102_9103	9102	9103	151.9275	45.207	-0.0285	-0.3105	-0.783	918.9555	1
9103_9103	9103	9103	-153.231	37.494	-0.0435	-0.6	-0.0435	-935.31	1
9103_9104	9103	9104	147.225	49.356	-0.0345	0.117	-0.9645	891.2805	1
9104_9104	9104	9104	-148.511	35.517	-0.1035	0.105	-0.6585	-872.72	1
9104_9105	9104	9105	134.628	50.181	-0.0165	-0.621	-0.984	791.8845	1
9105_9105	9105	9105	-150.233	30.9255	-0.108	-0.261	-2.0265	-859.502	1
9105_9106	9105	9106	125.2395	55.713	-0.0045	-0.321	-0.6225	718.0905	1
9106_9106	9106	9106	-150.069	26.7735	-0.1275	-0.33	-3.573	-827.325	1
9106_9107	9106	9107	113.322	61.3935	0.0165	-0.234	0.09	615.9885	1
9107_9107	9107	9107	-148.541	24.2445	-0.93	0.126	-5.463	-781.802	1
9107_9108	9107	9108	101.121	65.2725	0.615	-0.609	5.634	505.197	1
9108_9108	9108	9108	-145.467	20.6805	-0.9465	0.0135	-13.6845	-725.298	1
9108_9109	9108	9109	86.7015	70.59	0.6945	-0.5655	12.417	368.8095	1
9109_9109	9109	9109	-141.333	16.896	-0.8565	-0.2745	-20.1765	-608.829	1
9109_9110	9109	9110	61.4685	75.54	0.687	-0.2925	19.527	119.181	1
9110_9110	9110	9110	52.3455	90.393	0.4905	-1.008	-14.439	253.1115	1
9110_9111	9110	9111	24.648	4.638	-0.012	-0.159	-0.192	210.153	1
9111_9111	9111	9111	31.365	83.757	0.5595	-0.891	-8.694	-108.405	1
9111_9112	9111	9112	36.6015	8.118	-0.186	0.2655	4.2	601.1445	1
9112_9112	9112	9112	4.182	78.729	-0.219	-0.7875	-1.5525	-395.213	1
9112_9113	9112	9113	66.66	12.0345	0.1035	0.144	4.9725	809.799	1
9113_9113	9113	9113	-41.6445	72.441	-0.1725	-0.9795	-3.6135	-710.48	1
9113_9114	9113	9114	99.5715	17.0295	0.123	0.411	5.274	1005.243	1
9114_9114	9114	9114	-88.3845	71.04	-0.069	-0.756	-5.718	-1018.8	1
9114_9115	9114	9115	125.0265	19.7475	0.0435	0.135	5.772	1210.908	1
9115_9115	9115	9115	-105.275	62.304	-0.054	-0.552	-5.334	-917.114	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9115_9116	9115	9116	140.8905	23.5965	0.0405	0.129	5.4915	1104.995	1
9116_9116	9116	9116	-140.057	60.3495	0.057	-0.2235	-6.129	-1148.71	1
9116_9117	9116	9117	162.6015	26.475	-0.0405	-0.1635	5.2575	1266.108	1
9117_9117	9117	9117	-158.144	53.5425	0.0525	-0.639	-5.4615	-1269.25	1
9117_9118	9117	9118	171.105	32.4045	-0.0405	0.2535	4.917	1333.743	1
9118_9118	9118	9118	-169.134	52.17	0.045	-0.081	-4.875	-1341.98	1
9118_9119	9118	9119	179.7045	33.726	-0.033	-0.309	4.53	1398.632	1
9119_9119	9119	9119	-177.998	45.4215	0.039	-0.531	-4.335	-1399.79	1
9119_9120	9119	9120	182.112	40.0635	-0.0315	0.138	4.158	1420.338	1
9120_9120	9120	9120	-176.708	44.112	0.024	0.033	-3.9015	-1389.87	1
9120_9121	9120	9121	180.795	40.8765	-0.0195	-0.4335	3.834	1415.483	1
9121_9121	9121	9121	-176.735	37.0485	0.018	-0.396	-3.6	-1387.41	1
9121_9122	9121	9122	174.852	47.964	-0.0135	0	3.591	1378.689	1
9122_9122	9122	9122	-172.365	36.1275	0.0165	0.258	-3.4125	-1354.79	1
9122_9123	9122	9123	170.4165	49.464	-0.012	-0.6525	3.354	1350.395	1
9123_9123	9123	9123	-164.52	29.8455	0.0075	-0.3375	-3.2415	-1297.6	1
9123_9124	9123	9124	155.8155	56.2095	-0.003	-0.042	3.27	1254.212	1
9124_9124	9124	9124	-151.059	28.6875	-0.0075	0.24	-3.2055	-1201.11	1
9124_9125	9124	9125	139.4565	57.447	0.0195	-0.651	3.4185	1145.661	1
9125_9125	9125	9125	-138.512	22.893	-0.0075	-0.1395	-3.2385	-1107.11	1
9125_9126	9125	9126	115.929	64.2165	0.0255	-0.2625	3.666	988.9665	1
9126_9126	9126	9126	-114.782	20.2485	0.075	0.1965	-3.231	-933.407	1
9126_9127	9126	9127	76.8225	66.303	-0.1065	-0.6165	2.151	728.751	1
9127_9127	9127	9127	-115.179	16.3725	0.0585	-0.027	-2.007	-907.391	1
9127_9128	9127	9128	72.012	74.0955	-0.0885	-0.246	1.173	701.3745	1
9128_9128	9128	9128	-86.508	14.271	0.1245	0.1995	-1.623	-719.202	1
9128_9129	9128	9129	18.0975	75.1395	-0.168	-0.432	-0.78	386.5245	1
9129_9129	9129	9129	-46.917	9.8535	0.1065	0.009	-0.666	-577.493	1
9129_9130	9129	9130	-31.746	81.6285	-0.2055	-0.558	-3.576	67.746	1
9130_9130	9130	9130	-42.24	8.6475	-0.045	-0.1245	-1.815	-326.858	1
9130_9131	9130	9131	-55.9335	86.4105	0.4095	-0.7005	1.8825	-235.607	1
9131_9131	9131	9131	-39.588	8.316	-0.0435	-0.0945	-2.4375	-403.41	1
9131_9132	9131	9132	-73.2225	92.9235	0.375	-0.738	6.8445	-605.207	1
9132_9132	9132	9132	-46.197	77.745	0.5955	-0.3435	-14.202	32.718	1
9132_9133	9132	9133	137.286	12.918	-0.654	-0.171	11.106	436.2105	1
9133_9133	9133	9133	-76.119	71.9235	0.495	-0.3195	-7.011	-227.1	1
9133_9134	9133	9134	147.4785	16.7265	-0.594	-0.018	5.292	546.7935	1
9134_9134	9134	9134	-94.011	66.1935	0.4575	-0.426	-2.6715	-373.08	1
9134_9135	9134	9135	152.652	20.442	-0.6075	0.156	0.297	615.804	1
9135_9135	9135	9135	-108.864	61.4025	-0.024	-0.1275	0.996	-493.145	1
9135_9136	9135	9136	155.6655	23.7255	-0.012	-0.18	-0.087	671.9445	1
9136_9136	9136	9136	-122.682	55.2795	-0.0225	-0.288	0.849	-601.134	1
9136_9137	9136	9137	156.7185	28.122	-0.0135	-0.018	-0.378	714.123	1
9137_9137	9137	9137	-132.933	49.29	-0.0285	-0.3165	0.663	-679.037	1
9137_9138	9137	9138	155.1495	32.9865	-0.0075	0.0375	-0.5445	736.404	1
9138_9138	9138	9138	-146.456	48.0855	-0.0195	0.018	0.387	-774.965	1
9138_9139	9138	9139	160.0545	35.3505	0.0105	-0.2865	-0.5025	799.5435	1
9139_9139	9139	9139	-150.68	43.611	-0.0135	-0.207	0.1995	-803.081	1
9139_9140	9139	9140	157.824	39.3525	0.0045	-0.0855	-0.465	802.7325	1
9140_9140	9140	9140	-152.921	39.306	-0.0135	-0.237	0.048	-814.433	1
9140_9141	9140	9141	154.377	43.6485	0.0045	-0.0435	-0.405	794.1945	1
9141_9141	9141	9141	-153.894	35.28	-0.0225	-0.087	-0.105	-813.492	1
9141_9142	9141	9142	148.941	48.1185	0.015	-0.1875	-0.282	768.972	1
9142_9142	9142	9142	-147.422	32.9535	-0.0255	-0.054	-0.381	-753.81	1
9142_9143	9142	9143	134.163	49.2495	-0.0165	-0.243	-0.3555	675.738	1
9143_9143	9143	9143	-147.422	28.056	-0.0375	0.021	-0.7845	-734.529	1
9143_9144	9143	9144	122.3235	55.251	-0.003	-0.3285	-0.2145	602.0415	1
9144_9144	9144	9144	-144.776	23.622	-0.036	-0.15	-1.3275	-694.757	1
9144_9145	9144	9145	106.869	61.38	-0.0015	-0.1665	-0.009	497.9265	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9145_9145	9145	9145	-140.223	20.517	-0.4965	0.072	-1.944	-640.577	1
9145_9146	9145	9146	90.5115	65.9895	0.3465	-0.3495	2.9625	382.4775	1
9146_9146	9146	9146	-133.554	16.7565	-0.5085	0.117	-6.147	-573.446	1
9146_9147	9146	9147	71.181	71.7225	0.393	-0.4035	6.606	240.9825	1
9147_9147	9147	9147	-120.695	12.8535	-0.5295	-0.195	-11.085	-468.176	1
9147_9148	9147	9148	39.2295	77.5125	0.447	-0.3345	12.1395	-11.64	1
9148_9148	9148	9148	81.7515	87.963	0.3225	-0.783	-6.984	427.098	1
9148_9149	9148	9149	48.2985	5.025	-0.018	-0.0825	0.3525	321.0825	1
9149_9149	9149	9149	66.0765	81.498	0.3765	-0.708	-2.9505	99.519	1
9149_9150	9149	9150	17.0085	8.7195	-0.102	0.081	1.4955	456.9795	1
9150_9150	9150	9150	44.652	76.581	-0.171	-0.753	2.0805	-159.209	1
9150_9151	9150	9151	41.1945	12.675	0.0825	0.1515	1.725	633.141	1
9151_9151	9151	9151	-2.3025	70.41	-0.1275	-0.354	-0.1185	-418.536	1
9151_9152	9151	9152	78.0195	17.0505	0.0945	0.063	2.1225	748.143	1
9152_9152	9152	9152	-50.586	69.1455	-0.0735	-0.3525	-1.5855	-692.91	1
9152_9153	9152	9153	101.7585	19.611	0.0405	0.069	2.343	914.025	1
9153_9153	9153	9153	-57.957	60.4845	-0.0555	-0.2445	-1.8615	-654.246	1
9153_9154	9153	9154	106.2705	23.3655	0.0375	0.0165	2.5095	873.5715	1
9154_9154	9154	9154	-95.2035	57.687	0.0045	-0.1395	-2.5935	-877.136	1
9154_9155	9154	9155	124.845	26.8935	-0.009	-0.075	2.496	1008.972	1
9155_9155	9155	9155	-113.003	50.604	-0.0015	-0.2535	-2.5095	-982.578	1
9155_9156	9155	9156	129.6165	32.9985	-0.0045	0.0405	2.499	1053.627	1
9156_9156	9156	9156	-127.37	48.8505	0.003	-0.072	-2.496	-1065.28	1
9156_9157	9156	9157	137.6685	35.169	-0.0105	-0.1425	2.424	1113.057	1
9157_9157	9157	9157	-135.126	42.5295	-0.003	-0.1995	-2.436	-1106.7	1
9157_9158	9157	9158	136.488	41.2005	-0.006	-0.0165	2.4045	1113.933	1
9158_9158	9158	9158	-136.985	40.929	-0.0075	-0.009	-2.451	-1110.9	1
9158_9159	9158	9159	134.4705	42.834	-0.003	-0.2055	2.4135	1106.789	1
9159_9159	9159	9159	-137.99	34.89	-0.012	-0.135	-2.499	-1107.29	1
9159_9160	9159	9160	126.6225	49.1385	0.0045	-0.0795	2.502	1062.702	1
9160_9160	9160	9160	-129.717	32.6475	-0.003	0.0105	-2.6025	-1045.05	1
9160_9161	9160	9161	112.089	51.0045	-0.0015	-0.231	2.532	976.8075	1
9161_9161	9161	9161	-124.406	26.5335	-0.003	-0.033	-2.592	-996.119	1
9161_9162	9161	9162	94.0755	58.0695	-0.0015	-0.189	2.574	867.708	1
9162_9162	9162	9162	-105.261	22.9725	0.0465	0.0075	-2.559	-856.676	1
9162_9163	9162	9163	56.385	60.9435	-0.0645	-0.243	1.7415	639.885	1
9163_9163	9163	9163	-101.793	19.176	0.048	0.0945	-2.127	-884.898	1
9163_9164	9163	9164	50.322	69.561	-0.0795	-0.3765	1.254	668.1135	1
9164_9164	9164	9164	-77.3985	16.524	0.093	0.069	-1.8675	-717.491	1
9164_9165	9164	9165	1.332	70.983	-0.1245	-0.351	-0.1665	389.8845	1
9165_9165	9165	9165	-43.8255	12.063	0.0735	0.1065	-1.323	-580.685	1
9165_9166	9165	9166	-44.5695	77.0415	-0.15	-0.5565	-2.124	115.8735	1
9166_9166	9166	9166	-18.2865	8.067	-0.084	0.105	-1.14	-409.29	1
9166_9167	9166	9167	-67.197	82.2465	0.318	-0.5415	2.142	-145.31	1
9167_9167	9167	9167	-55.7895	5.4135	-0.012	-0.0795	-0.528	-355.049	1
9167_9168	9167	9168	-83.556	88.746	0.2745	-0.591	5.6385	-473.931	1
9168_9168	9168	9168	-38.8965	77.5245	0.3915	-0.2805	-10.449	24.4965	1
9168_9169	9168	9169	125.2575	12.876	-0.462	-0.132	9.2505	442.017	1
9169_9169	9169	9169	-72.135	71.8695	0.297	-0.3765	-4.8975	-224.333	1
9169_9170	9169	9170	137.724	16.698	-0.3825	0.1125	4.3515	547.464	1
9170_9170	9170	9170	-92.3115	66.2025	0.2625	-0.3285	-2.1795	-364.409	1
9170_9171	9170	9171	144.723	20.379	-0.3735	0.075	1.221	612.9405	1
9171_9171	9171	9171	-109.406	61.4655	0.0105	-0.2235	0.0225	-479.88	1
9171_9172	9171	9172	149.4855	23.544	-0.042	-0.0615	0.6765	665.9325	1
9172_9172	9172	9172	-125.355	55.3875	0	-0.1665	0.222	-583.52	1
9172_9173	9172	9173	152.3505	27.9105	-0.0315	-0.1275	0.2805	705.789	1
9173_9173	9173	9173	-137.559	49.434	-0.0015	-0.3105	0.294	-658.184	1
9173_9174	9173	9174	152.4555	32.7345	-0.0315	0.0435	-0.087	726.183	1
9174_9174	9174	9174	-152.846	48.0105	-0.0015	-0.1215	0.2805	-751.338	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9174_9175	9174	9175	159.2115	35.3025	-0.0075	-0.123	-0.1935	785.76	1
9175_9175	9175	9175	-158.147	43.5855	-0.009	0.0105	0.258	-776.958	1
9175_9176	9175	9176	158.115	39.291	0	-0.2655	-0.213	787.587	1
9176_9176	9176	9176	-161.378	39.321	-0.0045	-0.1905	0.183	-786.641	1
9176_9177	9176	9177	155.688	43.5585	-0.0045	-0.0705	-0.2565	777.7395	1
9177_9177	9177	9177	-163.301	35.3445	-0.006	-0.2085	0.132	-784.931	1
9177_9178	9177	9178	151.197	47.982	-0.0045	-0.0345	-0.2805	751.917	1
9178_9178	9178	9178	-157.598	32.751	-0.036	0.0495	0.036	-725.403	1
9178_9179	9178	9179	136.707	49.4955	0.0015	-0.3135	-0.258	658.404	1
9179_9179	9179	9179	-158.508	27.9525	-0.0345	-0.12	-0.372	-705.15	1
9179_9180	9179	9180	125.5515	55.4445	0.003	-0.171	-0.1455	583.1385	1
9180_9180	9180	9180	-156.674	23.6115	-0.0465	-0.0555	-0.8025	-665.793	1
9180_9181	9180	9181	110.667	61.512	0.0135	-0.2295	0.1005	479.0205	1
9181_9181	9181	9181	-152.927	20.4375	-0.366	0.099	-1.383	-613.646	1
9181_9182	9181	9182	94.617	66.282	0.258	-0.3615	2.286	363.0555	1
9182_9182	9182	9182	-146.979	16.785	-0.369	0.0375	-4.452	-549.512	1
9182_9183	9182	9183	75.4755	71.937	0.288	-0.3315	4.9335	222.732	1
9183_9183	9183	9183	-136.376	13.0065	-0.432	-0.0525	-8.6955	-443.175	1
9183_9184	9183	9184	43.2405	77.5275	0.3675	-0.336	9.8775	-25.8735	1
9184_9184	9184	9184	74.163	91.236	0.2535	-0.6075	-5.19	503.5275	1
9184_9185	9184	9185	34.7535	7.2735	-0.0165	-0.0915	0.5385	291.7095	1
9185_9185	9185	9185	54.7605	84.6225	0.294	-0.555	-1.9185	148.341	1
9185_9186	9185	9186	34.6815	7.6485	-0.018	-0.0735	0.2775	222.462	1
9186_9186	9186	9186	27.885	79.0245	-0.1455	-0.522	2.0595	-140.705	1
9186_9187	9186	9187	52.3995	10.9515	0.0705	0.078	1.323	577.545	1
9187_9187	9187	9187	-22.7115	72.582	-0.123	-0.3495	0.201	-439.814	1
9187_9188	9187	9188	89.499	15.51	0.0915	0.087	1.8735	729.5085	1
9188_9188	9188	9188	-75.96	70.464	-0.081	-0.378	-1.194	-733.358	1
9188_9189	9188	9189	117.507	18.4965	0.0435	0.0615	2.106	909.0465	1
9189_9189	9189	9189	-82.26	61.9995	-0.072	-0.318	-1.7055	-752.235	1
9189_9190	9189	9190	119.7405	22.5675	0.0465	0.0165	2.5845	937.9605	1
9190_9190	9190	9190	-121.524	58.6545	-0.018	-0.312	-2.655	-1001.73	1
9190_9191	9190	9191	142.3365	26.4825	0.0045	-0.018	2.73	1100.352	1
9191_9191	9191	9191	-140.304	51.579	-0.015	-0.2865	-2.8065	-1119.98	1
9191_9192	9191	9192	150.417	32.6325	0.0045	-0.0435	2.8605	1164.017	1
9192_9192	9192	9192	-155.493	49.4685	-0.0135	-0.114	-2.9415	-1213.76	1
9192_9193	9192	9193	161.0415	35.244	0	-0.195	2.931	1239.923	1
9193_9193	9193	9193	-163.2	43.2135	-0.018	-0.2775	-3.0405	-1258.66	1
9193_9194	9193	9194	161.898	41.2875	0.006	-0.0345	3.0645	1251.135	1
9194_9194	9194	9194	-165.005	41.208	-0.015	-0.0135	-3.189	-1264.44	1
9194_9195	9194	9195	161.0715	43.3815	0.0045	-0.2925	3.1875	1249.389	1
9195_9195	9195	9195	-165.414	35.2815	-0.0195	-0.1755	-3.2955	-1259.16	1
9195_9196	9195	9196	154.2585	49.6695	0.0105	-0.132	3.372	1207.871	1
9196_9196	9196	9196	-156.275	32.748	-0.0045	0.0735	-3.426	-1190.56	1
9196_9197	9196	9197	139.6965	51.936	-0.006	-0.3765	3.3855	1115.783	1
9197_9197	9197	9197	-149.798	26.7735	-0.009	-0.075	-3.3765	-1135.65	1
9197_9198	9197	9198	121.8225	58.9695	-0.0015	-0.2295	3.453	1000.704	1
9198_9198	9198	9198	-129.134	22.9545	0.057	0.0975	-3.318	-984.324	1
9198_9199	9198	9199	83.547	62.3835	-0.0795	-0.4035	2.442	755.0205	1
9199_9199	9199	9199	-126.591	19.0245	0.0495	0.03	-2.712	-960.119	1
9199_9200	9199	9200	78.6135	71.0625	-0.0855	-0.4065	1.929	746.112	1
9200_9200	9200	9200	-99.816	15.729	0.0825	0.171	-2.394	-788.336	1
9200_9201	9200	9201	27.0705	73.386	-0.1035	-0.54	0.7365	460.131	1
9201_9201	9201	9201	-59.418	11.262	0.0855	0.1695	-2.6175	-660.999	1
9201_9202	9201	9202	-22.9035	79.824	-0.1665	-0.7935	-1.0575	180.612	1
9202_9202	9202	9202	-30.9345	7.1865	-0.114	0.1605	-2.259	-474.641	1
9202_9203	9202	9203	-47.8125	85.3275	0.4335	-0.8385	4.623	-97.674	1
9203_9203	9203	9203	-30.8745	6.3915	-0.021	-0.0855	-0.159	-271.718	1
9203_9204	9203	9204	-66.3705	91.7085	0.366	-0.954	9.0075	-441.258	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9204_9204	9204	9204	-53.8155	76.8	0.525	-0.33	-14.9085	-32.496	1
9204_9205	9204	9205	142.3935	15.846	-0.6525	-0.2115	14.7105	513.129	1
9205_9205	9205	9205	-83.1735	71.5515	0.438	-0.4605	-7.872	-279.924	1
9205_9206	9205	9206	151.6755	19.4715	-0.594	0.126	8.124	626.6715	1
9206_9206	9206	9206	-100.2	66.2595	0.387	-0.483	-3.6645	-415.115	1
9206_9207	9206	9207	155.8785	22.9335	-0.5835	0.1995	3.0735	682.944	1
9207_9207	9207	9207	-114.638	61.629	0.0375	-0.072	-0.228	-527.228	1
9207_9208	9207	9208	158.0295	26.0025	-0.1065	-0.2685	1.773	726.8685	1
9208_9208	9208	9208	-128.363	55.9335	0.0285	-0.2475	0.36	-629.489	1
9208_9209	9208	9209	158.5755	30.1155	-0.105	-0.1065	0.582	758.664	1
9209_9209	9209	9209	-139.043	50.343	0.018	-0.399	0.7395	-705.219	1
9209_9210	9209	9210	156.891	34.6575	-0.1035	0.0855	-0.51	772.9155	1
9210_9210	9210	9210	-153.413	49.071	-0.0255	0.1965	0.8655	-804.233	1
9210_9211	9210	9211	162.1245	36.9525	-0.0015	-0.438	-0.6675	831.9435	1
9211_9211	9211	9211	-158.433	44.9025	-0.0195	-0.0315	0.657	-834.113	1
9211_9212	9211	9212	160.2645	40.704	-0.0075	-0.258	-0.7545	832.1265	1
9212_9212	9212	9212	-161.747	40.89	-0.0135	-0.246	0.4575	-849.26	1
9212_9213	9212	9213	157.416	44.7165	-0.0135	-0.048	-0.846	822.081	1
9213_9213	9213	9213	-164.054	37.1415	-0.0075	-0.4335	0.27	-854.273	1
9213_9214	9213	9214	152.871	48.8835	-0.018	0.1785	-0.942	797.2245	1
9214_9214	9214	9214	-159.383	34.9125	-0.1185	0.264	0.0135	-802.292	1
9214_9215	9214	9215	139.0005	50.232	0.0345	-0.489	-0.609	703.326	1
9215_9215	9215	9215	-161.627	30.402	-0.1125	-0.0585	-1.2645	-795.588	1
9215_9216	9215	9216	128.88	55.788	0.0375	-0.2415	-0.057	633.609	1
9216_9216	9216	9216	-161.688	26.3205	-0.105	-0.339	-2.565	-772.101	1
9216_9217	9216	9217	115.791	61.467	0.0405	0.0375	0.6375	537.9105	1
9217_9217	9217	9217	-160.239	23.7825	-0.555	0.438	-3.885	-737.178	1
9217_9218	9217	9218	102.2265	65.7795	0.4005	-0.5805	4.254	434.0655	1
9218_9218	9218	9218	-157.152	20.3265	-0.5295	0.012	-8.6835	-693.257	1
9218_9219	9218	9219	86.184	70.983	0.42	-0.3255	8.3475	308.136	1
9219_9219	9219	9219	-149.082	16.716	-0.537	-0.216	-13.6305	-592.961	1
9219_9220	9219	9220	57.666	76.101	0.4665	-0.2145	14.1	72.834	1
9220_9220	9220	9220	41.9325	88.1715	0.27	-0.6555	-8.121	152.7855	1
9220_9221	9220	9221	26.3475	10.6425	0.015	-0.2835	-1.461	237.204	1
9221_9221	9221	9221	17.466	81.2265	0.315	-0.7245	-4.761	-190.109	1
9221_9222	9221	9222	22.9515	10.956	0.0135	-0.114	-1.3755	143.8065	1
9222_9222	9222	9222	-13.6095	74.9595	-0.1365	-0.2295	-0.477	-461.571	1
9222_9223	9222	9223	79.011	13.9695	0.0465	-0.1395	3.303	771.2415	1
9223_9223	9223	9223	-69.606	67.8885	-0.1005	-0.546	-1.3845	-699.429	1
9223_9224	9223	9224	122.7915	19.2435	0.06	0.363	2.733	889.6215	1
9224_9224	9224	9224	-120.42	65.0775	-0.0435	-0.012	-2.5455	-951.491	1
9224_9225	9224	9225	150.9795	23.0805	0.0225	-0.2115	2.8995	1060.908	1
9225_9225	9225	9225	-110.322	55.74	-0.0585	-0.612	-3.1545	-976.722	1
9225_9226	9225	9226	135.141	27.756	0.036	0.2565	3.7335	1096.799	1
9226_9226	9226	9226	-140.639	51.621	0.0135	0.036	-3.9885	-1190.57	1
9226_9227	9226	9227	152.871	32.913	-0.009	-0.378	3.7545	1241.264	1
9227_9227	9227	9227	-150.681	44.3355	0.006	-0.5355	-3.786	-1259.82	1
9227_9228	9227	9228	153.9465	39.6945	-0.0045	0.1845	3.78	1262.327	1
9228_9228	9228	9228	-153.476	40.842	0.0165	0.1965	-3.6855	-1275.17	1
9228_9229	9228	9229	152.3265	43.332	-0.0135	-0.534	3.615	1261.008	1
9229_9229	9229	9229	-153.431	34.1025	0.0105	-0.375	-3.405	-1266.56	1
9229_9230	9229	9230	143.004	50.592	-0.0075	0.0345	3.54	1203.14	1
9230_9230	9230	9230	-145.2	30.558	0.0285	0.393	-3.1935	-1196.4	1
9230_9231	9230	9231	126.0585	54.6615	-0.045	-0.6885	2.952	1088.856	1
9231_9231	9231	9231	-146.66	25.86	0.0195	-0.0765	-2.796	-1194.27	1
9231_9232	9231	9232	121.0335	62.4165	-0.039	-0.2505	2.5755	1053.993	1
9232_9232	9232	9232	-154.637	24.2655	0.0135	-0.51	-4.29	-1268.09	1
9232_9233	9232	9233	134.583	68.31	-0.042	0.3135	4.0695	1175.744	1
9233_9233	9233	9233	-128.271	21.8805	0.1785	0.387	-4.287	-1069.36	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9233_9234	9233	9234	84.0075	67.719	-0.246	-0.5625	1.7265	863.505	1
9234_9234	9234	9234	-116.33	18.414	0.1485	0.078	-2.7825	-1021.12	1
9234_9235	9234	9235	67.374	73.5	-0.2355	-0.2955	0.063	798.87	1
9235_9235	9235	9235	-81.7995	16.653	0.1815	-0.474	-3.0585	-1059.66	1
9235_9236	9235	9236	35.577	78.0405	-0.336	-0.0525	-1.794	800.1225	1
9236_9236	9236	9236	-59.226	13.5	0.4335	0.423	-2.9025	-863.688	1
9236_9237	9236	9237	-0.249	80.1795	-0.2385	-0.924	-3.873	472.4595	1
9237_9237	9237	9237	-23.9715	12.8115	-0.0435	-0.3405	0.36	-254.366	1
9237_9238	9237	9238	-19.617	85.296	-0.2685	-0.1665	-6.063	259.6215	1
9238_9238	9238	9238	-25.8315	13.218	-0.4215	-0.054	-0.129	-342.657	1
9238_9239	9238	9239	-32.0805	83.8215	1.1145	-2.1	3.6135	70.1385	1
9239_9239	9239	9239	-27.5895	13.1805	-0.4215	-0.1185	-3.9435	-435.384	1
9239_9240	9239	9240	-26.376	88.407	1.0665	-1.9785	7.428	168.792	1
9240_9240	9240	9240	-103.445	65.6205	-0.3045	-2.8305	-14.9055	-377.628	1
9240_9241	9240	9241	168.342	29.7705	0.624	2.715	23.088	793.2045	1
9241_9241	9241	9241	-121.176	72.423	0.285	0.3915	-16.1295	-547.928	1
9241_9242	9241	9242	175.818	23.934	-0.5475	-1.0215	20.8275	883.533	1
9242_9242	9242	9242	-90.24	64.8495	0.1875	-0.0885	-11.8305	-301.061	1
9242_9243	9242	9243	159.1065	25.2675	-0.534	-0.591	12.795	742.1595	1
9243_9243	9243	9243	-118.998	59.286	0.141	-0.5565	-8.37	-570.279	1
9243_9244	9243	9244	164.2605	31.116	-0.5085	0.0615	7.746	838.7205	1
9244_9244	9244	9244	-124.869	58.407	0.5145	0.075	-6.387	-627.09	1
9244_9245	9244	9245	159.897	30.4425	-0.501	-0.7245	2.577	837.303	1
9245_9245	9245	9245	-142.218	52.4325	0.495	-0.5655	-0.6915	-778.271	1
9245_9246	9245	9246	160.329	35.706	-0.5775	-0.057	-3.1005	880.3875	1
9246_9246	9246	9246	-147.042	47.427	-0.0285	0.081	3.441	-808.796	1
9246_9247	9246	9247	153.0465	39.3105	0.057	-0.6255	-3.009	844.113	1
9247_9247	9247	9247	-158.981	41.871	0.018	-0.705	2.7615	-896.213	1
9247_9248	9247	9248	152.088	45.561	0.012	0.168	-3.2685	857.5125	1
9248_9248	9248	9248	-162.398	38.235	-0.1935	0.1125	2.4015	-899.958	1
9248_9249	9248	9249	144.579	49.5495	0.111	-0.6165	-2.448	801.0045	1
9249_9249	9249	9249	-165.414	32.94	-0.1695	-0.507	-0.174	-890.91	1
9249_9250	9249	9250	132.5265	55.587	0.1035	-0.0585	-1.2285	696.384	1
9250_9250	9250	9250	-168.047	29.9295	-0.888	0.09	-2.829	-878.019	1
9250_9251	9250	9251	121.4865	60.441	0.6465	-0.564	5.622	592.4325	1
9251_9251	9251	9251	-168.554	25.5825	-0.8385	-0.495	-12.444	-847.116	1
9251_9252	9251	9252	107.646	66.642	0.711	-0.087	14.1285	454.641	1
9252_9252	9252	9252	-180.531	28.6215	0.789	3.072	-20.7975	-941.42	1
9252_9253	9252	9253	129.8835	67.536	-0.585	-2.8755	14.3715	629.4255	1
9253_9253	9253	9253	-167.615	24.4425	0.807	2.6025	-18.0045	-788.048	1
9253_9254	9253	9254	93.3045	69.279	-0.615	-2.724	8.5275	289.5915	1
9254_9254	9254	9254	32.235	78.0945	1.8375	-4.1805	-6.69	22.3695	1
9254_9255	9254	9255	21.465	15.3255	-1.5825	2.709	-14.4225	456.4725	1
9255_9255	9255	9255	16.2375	82.032	-0.9555	-0.0585	13.8975	-248.825	1
9255_9256	9255	9256	43.6665	11.682	-0.1185	-0.3855	-2.178	265.7985	1
9256_9256	9256	9256	-5.0325	76.0665	-0.9255	-0.927	3.2955	-482.127	1
9256_9257	9256	9257	65.649	15.5295	1.0125	0.492	6.468	857.148	1
9257_9257	9257	9257	-49.908	78.4335	0.1395	-0.0765	-6.918	-885.23	1
9257_9258	9257	9258	91.7445	17.0595	-0.1305	-0.4155	6.1095	1099.511	1
9258_9258	9258	9258	-63.1005	72.0735	0.078	-0.231	-4.0245	-733.739	1
9258_9259	9258	9259	120.8865	18.285	-0.0825	-0.0165	3.141	986.5395	1
9259_9259	9259	9259	-108.357	68.0145	0.0615	-0.468	-3.2655	-992.594	1
9259_9260	9259	9260	144.6255	23.088	-0.081	0.285	2.5965	1140.251	1
9260_9260	9260	9260	-140.318	67.9725	-0.0225	0.3525	-2.9235	-1184.39	1
9260_9261	9260	9261	161.9775	24.7305	0.024	-0.5145	2.655	1267.047	1
9261_9261	9261	9261	-120.762	60.468	-0.024	-0.09	-2.4645	-955.194	1
9261_9262	9261	9262	152.0355	26.367	0.027	-0.141	2.3145	1094.04	1
9262_9262	9262	9262	-145.815	54.2745	-0.033	-0.5295	-2.8815	-1120.4	1
9262_9263	9262	9263	163.9755	32.37	0.036	0.336	2.73	1185.839	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9263_9263	9263	9263	-149.241	49.8195	-0.003	0.0195	-3.3855	-1147.84	1
9263_9264	9263	9264	162.33	35.0505	0.0285	-0.258	3.1335	1188.786	1
9264_9264	9264	9264	-158.81	42.846	-0.003	-0.288	-3.4725	-1210.38	1
9264_9265	9264	9265	162.69	41.958	0.0285	0.0495	3.534	1205.163	1
9265_9265	9265	9265	-158.808	38.8905	0.0105	0.1335	-3.5235	-1208.13	1
9265_9266	9265	9266	155.382	45.9165	0.003	-0.3705	3.5535	1170.518	1
9266_9266	9266	9266	-158.448	32.5575	0.009	-0.1575	-3.3255	-1199.47	1
9266_9267	9266	9267	144.627	53.277	0.006	-0.0825	3.5925	1112.018	1
9267_9267	9267	9267	-167.271	31.6125	0.075	0.279	-3.195	-1249.62	1
9267_9268	9267	9268	152.61	57.7275	-0.0915	-0.471	2.8755	1168.517	1
9268_9268	9268	9268	-161.475	28.0785	0.0675	0.162	-2.697	-1205.97	1
9268_9269	9268	9269	140.5845	61.8555	-0.0915	-0.3885	2.2245	1094.873	1
9269_9269	9269	9269	-131.67	23.511	0.0705	-0.0705	-3.1215	-1181.4	1
9269_9270	9269	9270	93.6645	66.348	-0.117	-0.2325	1.8285	985.2105	1
9270_9270	9270	9270	-113.315	20.5545	0.1275	0.4305	-2.7465	-1061.68	1
9270_9271	9270	9271	59.0895	70.2165	-0.1965	-0.681	-0.243	807.06	1
9271_9271	9271	9271	-79.137	17.8905	0.159	0.2715	-2.8125	-1090.92	1
9271_9272	9271	9272	27.7695	76.1655	-0.2865	-0.8145	-2.4525	799.524	1
9272_9272	9272	9272	-66.522	16.1475	0.126	-0.2835	-2.04	-1054.65	1
9272_9273	9272	9273	21.9555	80.499	-0.2535	-0.192	-3.267	797.172	1
9273_9273	9273	9273	-27.393	12.6225	0.027	-0.039	1.6695	-224.331	1
9273_9274	9273	9274	-23.217	81.9945	0.5265	-1.0995	3.3705	302.0415	1
9274_9274	9274	9274	-31.92	12.2775	0.0345	-0.3585	1.962	-339.96	1
9274_9275	9274	9275	-47.472	87.492	0.441	-0.7515	9.192	-83.661	1
9275_9275	9275	9275	-107.834	73.0935	0.486	-0.3465	-17.8215	-447.269	1
9275_9276	9275	9276	173.634	22.296	-0.759	-0.12	24.501	892.3815	1
9276_9276	9276	9276	-114.366	70.3185	0.4605	-0.534	-14.118	-519.647	1
9276_9277	9276	9277	175.0275	24.378	-0.756	0.1365	20.2875	923.148	1
9277_9277	9277	9277	-101.414	64.4955	0.357	-0.7065	-8.64	-420.642	1
9277_9278	9277	9278	166.1505	26.481	-0.687	0.5265	11.4465	846.4065	1
9278_9278	9278	9278	-105.89	60.1965	0.048	0.1215	-3.393	-467.52	1
9278_9279	9278	9279	160.938	28.6455	-0.2265	-0.7215	7.9305	832.854	1
9279_9279	9279	9279	-119.216	52.6755	0.0435	-0.6285	-1.356	-578.42	1
9279_9280	9279	9280	154.6125	34.182	-0.243	0.1875	4.137	818.0115	1
9280_9280	9280	9280	-129.971	49.6965	-0.1425	0.2085	0.063	-654.215	1
9280_9281	9280	9281	148.8615	36.54	0.0585	-0.7575	4.158	803.427	1
9281_9281	9281	9281	-140.177	42.2595	-0.099	-0.6105	-0.729	-712.224	1
9281_9282	9281	9282	140.0655	43.1535	0.0405	0.096	4.1925	751.353	1
9282_9282	9282	9282	-139.461	38.5125	-0.114	0.411	-1.6215	-756.611	1
9282_9283	9282	9283	121.7865	48.1965	-0.2595	-0.819	4.2135	697.0185	1
9283_9283	9283	9283	-150.338	32.862	-0.0915	-0.966	-2.466	-805.019	1
9283_9284	9283	9284	113.7735	56.052	-0.291	0.5175	0.8355	605.85	1
9284_9284	9284	9284	-158.021	32.1405	-1.518	0.2625	-3.8715	-820.787	1
9284_9285	9284	9285	107.907	58.7895	0.5565	-0.6675	7.1145	520.116	1
9285_9285	9285	9285	-164.561	27.951	-1.5525	-0.6315	-20.7555	-831.837	1
9285_9286	9285	9286	100.5795	65.037	0.735	0.018	17.1465	407.8545	1
9286_9286	9286	9286	-175.649	30.4665	1.5255	1.5825	-36.378	-925.902	1
9286_9287	9286	9287	116.2995	67.266	-0.957	-1.8345	18.015	536.1615	1
9287_9287	9287	9287	-170.607	26.805	1.647	1.752	-33.435	-821.175	1
9287_9288	9287	9288	89.9415	69.5475	-1.0755	-2.1735	10.3005	215.0145	1
9288_9288	9288	9288	9.366	83.4465	2.9025	-3.765	-9.813	-102.603	1
9288_9289	9288	9289	21.9855	13.95	-2.4195	2.604	-22.0275	482.418	1
9289_9289	9289	9289	-5.91	87.6555	-1.4325	0.123	19.2495	-358.329	1
9289_9290	9289	9290	41.4735	9.492	1.4835	-0.549	-4.8	739.1925	1
9290_9290	9290	9290	-35.019	81.5955	-1.362	-0.945	1.566	-747.698	1
9290_9291	9290	9291	65.178	14.0085	1.5435	0.561	13.4385	1005.545	1
9291_9291	9291	9291	-80.145	83.9595	0.0645	0.6585	-14.2935	-1302.18	1
9291_9292	9291	9292	90.9825	15.5235	-0.255	-0.9855	12.894	1355.78	1
9292_9292	9292	9292	-99.1155	79.038	0.0225	-0.2445	-9.63	-1202.58	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9292_9293	9292	9293	113.055	17.1285	-0.159	-0.0255	7.6245	1294.502	1
9293_9293	9293	9293	-121.277	74.598	0.0075	-0.7515	-9.621	-1408.4	1
9293_9294	9293	9294	126.6585	20.8455	-0.138	0.513	6.921	1449.759	1
9294_9294	9294	9294	-148.085	78.348	0.2505	1.0125	-9.7395	-1704.33	1
9294_9295	9294	9295	146.2695	19.458	-0.1545	-1.1175	6.852	1669.658	1
9295_9295	9295	9295	-119.811	73.389	0.39	-0.333	-13.9185	-1758.22	1
9295_9296	9295	9296	123.474	21.36	-0.2535	-0.1245	8.3535	1788.435	1
9296_9296	9296	9296	-141.306	68.8545	0.387	-1.8915	-10.149	-2057.83	1
9296_9297	9296	9297	139.233	26.016	-0.303	1.425	6.258	2012.292	1
9297_9297	9297	9297	-145.992	66.9735	0.1035	0.8205	-7.416	-2124.72	1
9297_9298	9297	9298	146.022	26.0565	0.003	-1.1445	6.321	2110.151	1
9298_9298	9298	9298	-162.324	60.984	0.12	-1.8675	-6.342	-2352.05	1
9298_9299	9298	9299	159.765	31.674	-0.015	1.3815	6.0225	2305.283	1
9299_9299	9299	9299	-171.248	60.0795	0.102	1.287	-5.1525	-2475.91	1
9299_9300	9299	9300	170.8485	32.4285	-0.0315	-1.5795	5.2905	2462.465	1
9300_9300	9300	9300	-174.063	52.722	0.111	-1.5135	-4.0005	-2513.87	1
9300_9301	9300	9301	174.825	38.0055	-0.042	1.11	4.344	2520.606	1
9301_9301	9301	9301	-178.919	51.051	0.1245	1.782	-2.622	-2578.51	1
9301_9302	9301	9302	183.8385	39.7245	-0.069	-2.0985	2.7825	2648.16	1
9302_9302	9302	9302	-178.367	44.019	0.1245	-1.611	-1.1265	-2566.4	1
9302_9303	9302	9303	185.598	46.1475	-0.075	1.371	1.281	2674.121	1
9303_9303	9303	9303	-168.792	41.256	0.099	1.605	0.135	-2426.66	1
9303_9304	9303	9304	182.8725	47.463	-0.057	-2.0775	-0.183	2636.847	1
9304_9304	9304	9304	-160.976	34.2165	0.099	-1.0755	1.173	-2309.69	1
9304_9305	9304	9305	179.7675	54.6645	-0.063	0.915	-1.491	2592.938	1
9305_9305	9305	9305	-143.148	30.8055	0.036	2.022	1.7895	-2051.52	1
9305_9306	9305	9306	170.28	56.5905	0.0165	-2.7615	-1.872	2459.261	1
9306_9306	9306	9306	-114.722	22.0815	0.0465	-0.6015	1.6395	-1641.46	1
9306_9307	9306	9307	149.604	63.387	0.012	0.5355	-2.1	2169.165	1
9307_9307	9307	9307	-83.589	16.17	-0.0285	0.9885	1.4925	-1192.83	1
9307_9308	9307	9308	127.998	67.8675	0.174	-2.0895	-0.5265	1863.224	1
9308_9308	9308	9308	-53.112	9.162	0.003	-0.0315	0.795	-757.202	1
9308_9309	9308	9309	97.5765	75.9285	0.1455	-0.3855	0.6765	1433.121	1
9309_9309	9309	9309	8.3745	7.65	0.3555	-0.309	4.383	128.133	1
9309_9310	9309	9310	58.0935	82.1655	0.2955	-1.77	3.3885	874.6305	1
9310_9310	9310	9310	3.4635	7.65	0.357	-0.249	8.631	60.1125	1
9310_9311	9310	9311	9.9645	91.182	0.249	-0.5685	5.2425	192.963	1
9311_9311	9311	9311	-1.377	7.98	-3.918	0.714	12.999	-5.7465	1
9311_9312	9311	9312	-4.2345	100.7745	-1.017	-0.5835	0	-21.8475	1
9400_9020	9400	9020	59.775	2.9745	2.733	0.1425	-51.1215	279.948	1
9400_9401	9400	9401	-84.4845	32.5755	21.5775	1.332	-67.482	885.0105	1
9401_9401	9401	9401	59.6955	3.165	2.7585	-1.083	-39.612	267.756	1
9401_9402	9401	9402	-80.6715	31.2765	5.016	-2.1405	-45.996	778.7925	1
9402_9402	9402	9402	74.7795	4.8	3.5625	0.1935	-38.967	289.0005	1
9402_9403	9402	9403	-80.355	29.3235	5.064	0.5265	10.662	458.4135	1
9403_9403	9403	9403	86.4405	7.338	0.1935	-0.2895	0.435	249.84	1
9403_9404	9403	9404	-77.0175	25.968	-0.7065	-0.339	4.716	265.4235	1
9404_9404	9404	9404	94.3455	9.4635	0.105	-0.2355	2.3625	206.739	1
9404_9405	9404	9405	-76.3515	24.1965	-0.657	-0.282	-0.075	88.3305	1
9405_9405	9405	9405	108.2055	13.2075	-0.2235	-0.318	3.114	146.2035	1
9405_9406	9405	9406	-74.514	21.036	-0.09	-0.3465	-1.8015	-217.658	1
9406_9406	9406	9406	117.573	17.3835	-3.1875	-0.4245	-0.33	-40.1835	1
9406_9407	9406	9407	-73.9845	18.198	-0.3825	-0.1995	-5.73	-378.753	1
9407_9407	9407	9407	119.4255	19.803	-3.2505	0.03	-28.3965	-190.046	1
9407_9408	9407	9408	-72.81	16.698	-0.2355	-0.321	-6.0765	-479.487	1
9408_9408	9408	9408	-38.4765	0.429	-2.238	2.409	31.3725	122.7495	1
9408_9409	9408	9409	-70.293	31.812	1.6785	-0.726	-6.09	-546.359	1
9409_9409	9409	9409	69.093	31.2705	1.05	0.0585	-2.0535	549.3465	1
9409_9410	9409	9410	41.1225	0.783	0.4815	2.613	-25.56	-131.129	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9410_9410	9410	9410	72.0735	16.404	0.132	-0.5565	1.4295	478.2435	1
9410_9411	9410	9411	-134.279	20.403	-1.1955	0.063	7.0425	190.0395	1
9411_9411	9411	9411	72.192	17.8785	0.039	0.0045	1.869	384.0885	1
9411_9412	9411	9412	-131.318	17.685	-1.017	0.213	-1.554	36.3825	1
9412_9412	9412	9412	73.0455	20.646	-0.0885	-0.3135	1.7655	221.916	1
9412_9413	9412	9413	-135.153	13.0785	0.009	0.138	-0.1545	-149.703	1
9413_9413	9413	9413	76.083	23.697	-0.6135	-0.249	0.0345	-84.435	1
9413_9414	9413	9414	-134.304	8.826	-0.4545	0.255	-2.391	-207.803	1
9414_9414	9414	9414	76.4175	25.4685	-0.6705	-0.342	-4.401	-257.829	1
9414_9415	9414	9415	-123.785	5.8065	-0.3795	0.1425	-5.4105	-240.381	1
9415_9415	9415	9415	76.6125	28.6875	4.548	0.0825	-9.5775	-441.332	1
9415_9416	9415	9416	-104.117	2.4705	-3.3705	-0.054	-41.664	-236.216	1
9416_9416	9416	9416	80.55	30.684	5.1645	-0.663	45.8235	-759.173	1
9416_9417	9416	9417	-11.5575	0.4425	-1.065	0.2715	-15.5445	-44.4615	1
9417_9417	9417	9417	80.5845	32.0775	20.106	1.1985	64.6035	-866.429	1
9417_9036	9417	9036	-11.589	0.3735	-0.237	-0.048	-16.6605	-46.1055	1
9420_9056	9420	9056	44.1495	1.197	1.7235	0.0825	-34.266	168.513	1
9420_9421	9420	9421	-83.9265	30.156	20.157	1.041	-42.237	786.7725	1
9421_9421	9421	9421	45.582	1.3575	2.0295	-0.582	-27.6585	167.4585	1
9421_9422	9421	9422	-82.8975	28.7115	3.51	-1.0275	-28.881	687.5235	1
9422_9422	9422	9422	61.029	2.625	2.8125	0.06	-28.302	195.5055	1
9422_9423	9422	9423	-83.5575	26.7165	3.57	0.207	10.2495	395.7585	1
9423_9423	9423	9423	76.2225	4.8525	-0.0945	-0.2535	3.33	186.7395	1
9423_9424	9423	9424	-78.336	23.391	-0.7245	-0.33	3.6435	223.3245	1
9424_9424	9424	9424	85.566	6.7605	-0.216	-0.207	3.2115	162.8745	1
9424_9425	9424	9425	-78.8595	21.561	-0.6645	-0.2235	-1.086	67.857	1
9425_9425	9425	9425	126.3405	10.5855	-0.087	0.1365	0.627	130.8915	1
9425_9426	9425	9426	-75.411	18.3495	0.051	-0.285	-0.7725	-205.452	1
9426_9426	9426	9426	122.7405	14.8125	0.6885	0.2535	0.5625	-18.84	1
9426_9427	9426	9427	-74.727	15.495	-0.2445	-0.057	-3.4695	-345.581	1
9427_9427	9427	9427	125.7315	17.3655	0.5955	-0.075	7.2765	-147.035	1
9427_9428	9427	9428	-75.0285	13.9665	-0.156	-0.4275	-4.5435	-423.23	1
9428_9428	9428	9428	-36.06	1.206	1.2945	1.641	9.5055	105.2175	1
9428_9429	9428	9429	-71.2755	29.3115	0.984	-0.429	-3.3135	-496.887	1
9429_9429	9429	9429	71.9505	29.3595	1.116	-0.102	0.0225	495.903	1
9429_9430	9429	9430	34.695	1.434	-0.024	2.3325	-20.202	-94.575	1
9430_9430	9430	9430	75.48	13.854	-0.036	-0.36	2.688	422.589	1
9430_9431	9430	9431	-125.648	16.869	-0.5835	0.1065	2.3715	139.1955	1
9431_9431	9431	9431	75.1815	15.387	-0.102	-0.078	2.334	345.5625	1
9431_9432	9431	9432	-109.871	14.4165	-1.3425	-0.285	-1.152	22.9455	1
9432_9432	9432	9432	76.0815	18.267	0.051	-0.2835	0.906	206.3655	1
9432_9433	9432	9433	-99.8175	10.4955	-0.021	-0.288	-1.6125	-123.365	1
9433_9433	9433	9433	78.9915	21.4665	-0.6645	-0.2535	1.2165	-63.7905	1
9433_9434	9433	9434	-83.622	7.116	-0.198	-0.234	-3.018	-164.577	1
9434_9434	9434	9434	79.2975	23.352	-0.7155	-0.297	-3.6165	-220.557	1
9434_9435	9434	9435	-75.891	5.184	-0.1065	-0.24	-3.3225	-192.459	1
9435_9435	9435	9435	84.753	26.685	3.5745	0.3435	-10.2075	-392.894	1
9435_9436	9435	9436	-61.4865	2.982	3.1305	0.1215	31.668	-206.61	1
9436_9436	9436	9436	84.0765	28.7685	3.45	-1.4895	29.112	-684.126	1
9436_9437	9436	9437	-45.906	1.653	2.3205	-0.7665	31.4475	-178.956	1
9437_9437	9437	9437	85.143	30.114	20.205	1.044	42.009	-783.927	1
9437_9072	9437	9072	-46.002	1.512	1.9305	0.1065	39.963	-185.154	1
9440_9094	9440	9094	39.7095	1.5615	2.1225	0.078	-26.6235	170.121	1
9440_9441	9440	9441	-85.3695	29.7975	19.668	1.1655	-30.987	766.5105	1
9441_9441	9441	9441	39.648	1.7055	1.3245	-0.402	-17.4825	163.728	1
9441_9442	9441	9442	-84.2505	28.302	2.6565	-0.6735	-20.805	668.3805	1
9442_9442	9442	9442	56.2155	2.8575	2.1	-0.0315	-20.007	192.909	1
9442_9443	9442	9443	-84.912	26.2515	2.685	0.069	8.562	381.7605	1
9443_9443	9443	9443	71.952	4.9305	-0.2235	-0.2175	3.87	180.738	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9443_9444	9443	9444	-79.128	22.809	-0.5985	-0.2745	2.9745	213.8085	1
9444_9444	9444	9444	79.3215	6.6735	-0.2535	-0.3255	2.6115	154.1715	1
9444_9445	9444	9445	-79.623	21	-0.6135	-0.3855	-1.476	62.277	1
9445_9445	9445	9445	124.2975	10.3365	-0.111	0.171	1.1205	128.985	1
9445_9446	9445	9446	-76.047	17.736	0.1005	-0.3405	-0.435	-201.693	1
9446_9446	9446	9446	124.029	14.5485	0.276	0.333	0.7065	-15.2625	1
9446_9447	9446	9447	-75.228	14.877	-0.1995	0.0645	-2.751	-336.264	1
9447_9447	9447	9447	125.7255	17.2095	-0.0165	-0.09	3.333	-142.077	1
9447_9448	9447	9448	-75.528	13.269	-0.027	-0.711	-3.2805	-409.908	1
9448_9448	9448	9448	-36.3315	1.386	0.378	2.538	13.899	103.164	1
9448_9449	9448	9449	-74.6835	28.887	1.4265	-0.294	-1.002	-464.892	1
9449_9449	9449	9449	71.022	28.776	1.155	-0.3975	1.467	482.514	1
9449_9450	9449	9450	36.216	1.1385	-1.611	2.574	-19.6635	-102.242	1
9450_9450	9450	9450	74.8905	13.3635	-0.1485	-0.1245	2.9685	410.031	1
9450_9451	9450	9451	-119.492	16.509	0.567	0.1185	-5.547	138.792	1
9451_9451	9451	9451	74.5995	14.8995	-0.1275	-0.2715	2.1855	335.7345	1
9451_9452	9451	9452	-110.526	14.2185	-1.833	-0.4335	-2.3475	19.3785	1
9452_9452	9452	9452	75.2805	17.748	0.096	-0.342	0.4305	200.904	1
9452_9453	9452	9453	-99.252	10.335	0.1125	-0.3465	-0.7515	-122.927	1
9453_9453	9453	9453	77.7615	20.946	-0.5865	-0.3315	1.3845	-61.5555	1
9453_9454	9453	9454	-85.0065	6.942	-0.2925	-0.3075	-2.856	-164.532	1
9454_9454	9454	9454	78	22.7985	-0.6135	-0.3225	-2.895	-214.455	1
9454_9455	9454	9455	-77.907	4.9965	-0.2295	-0.264	-4.164	-192.036	1
9455_9455	9455	9455	83.499	26.1795	2.6385	0.1425	-8.5935	-382.782	1
9455_9456	9455	9456	-60.552	2.772	2.3805	-0.0015	22.956	-199.826	1
9456_9456	9456	9456	82.854	28.173	2.568	-0.966	20.394	-668.769	1
9456_9457	9456	9457	-45.0915	1.5015	1.7535	-0.564	23.0325	-171.5	1
9457_9457	9457	9457	83.862	29.562	19.7925	1.2075	29.6025	-766.451	1
9457_9110	9457	9110	-44.3055	1.3155	1.5375	0.1005	29.3955	-174.587	1
9460_9132	9460	9132	34.482	4.8915	1.9515	0.147	-28.518	232.2195	1
9460_9461	9460	9461	-97.68	32.6925	20.3595	1.359	-34.9995	820.827	1
9461_9461	9461	9461	34.3815	4.9845	1.5105	-0.2625	-19.9695	212.1885	1
9461_9462	9461	9462	-96.1575	31.1025	3.0855	-0.0645	-23.8425	715.545	1
9462_9462	9462	9462	40.6305	5.874	1.8675	-0.09	-17.64	205.7145	1
9462_9463	9462	9463	-89.331	28.845	2.769	-0.1365	8.31	409.371	1
9463_9463	9463	9463	48.345	7.287	-0.21	-0.198	3.3195	149.55	1
9463_9464	9463	9464	-87.0465	25.0905	-0.639	-0.3285	2.8395	229.4265	1
9464_9464	9464	9464	51.843	8.454	-0.237	-0.2535	1.9905	100.6425	1
9464_9465	9464	9465	-81.2745	23.1345	-0.5985	-0.369	-1.716	61.0935	1
9465_9465	9465	9465	60.4605	10.5975	-0.0765	-0.243	0.264	44.643	1
9465_9466	9465	9466	-79.4175	19.644	0.09	-0.3765	-0.942	-223.017	1
9466_9466	9466	9466	154.851	15.684	-0.936	0.0495	2.445	54.1155	1
9466_9467	9466	9467	-74.121	16.671	0.0885	-0.072	-0.4575	-375.831	1
9467_9467	9467	9467	158.67	18.9765	-1.131	0.0855	-5.904	-80.1	1
9467_9468	9467	9468	-73.3695	15.1215	0.135	-0.4725	-0.0825	-460.823	1
9468_9468	9468	9468	-48.4665	3.369	-0.033	0.93	6.7875	80.4225	1
9468_9469	9468	9469	-88.8915	31.716	1.8735	-0.6135	10.734	-500.909	1
9469_9469	9469	9469	82.6665	31.2045	1.773	-0.7815	-9.2115	507.564	1
9469_9470	9469	9470	40.98	3.411	0.5595	0.645	-4.839	-49.3095	1
9470_9470	9470	9470	71.745	15.4065	0.0135	0.042	0.0675	460.4115	1
9470_9471	9470	9471	-86.4105	17.6085	0.4845	-0.0885	-3.108	243.345	1
9471_9471	9471	9471	72.5595	16.8975	0.1155	-0.393	0.132	373.626	1
9471_9472	9471	9472	-84.723	15.8595	0.3465	-0.2985	0.3375	106.2975	1
9472_9472	9472	9472	76.704	19.884	0.09	-0.3735	0.7665	219.1515	1
9472_9473	9472	9473	-78.057	12.756	-0.0675	-0.2745	-0.6405	-73.3095	1
9473_9473	9473	9473	77.2995	23.1795	-0.642	-0.3675	1.5825	-67.518	1
9473_9474	9473	9474	-70.8735	10.0095	-0.2475	-0.285	-2.2755	-141.86	1
9474_9474	9474	9474	82.164	25.0815	-0.6825	-0.3165	-3.288	-237.735	1
9474_9475	9474	9475	-65.316	8.415	-0.2115	-0.222	-3.5355	-196.931	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9475_9475	9475	9475	84.897	28.5825	2.6055	0.183	-9.282	-417.953	1
9475_9476	9475	9476	-57.855	6.42	1.977	0.006	18.546	-258.378	1
9476_9476	9476	9476	90.9585	30.729	2.724	-0.999	21.015	-723.165	1
9476_9477	9476	9477	-51.411	5.0955	1.7595	-0.6135	22.4235	-263.906	1
9477_9477	9477	9477	92.367	32.2995	21.5895	1.308	30.6675	-827.51	1
9477_9148	9477	9148	-51.5325	4.953	2.2305	0.1485	32.2905	-284.184	1
9480_9168	9480	9168	43.914	3.7215	2.568	0.138	-31.182	224.1975	1
9480_9481	9480	9481	-93.0495	32.6025	22.2285	1.3395	-31.0845	838.122	1
9481_9481	9481	9481	43.836	3.7935	1.548	-0.399	-20.0025	208.974	1
9481_9482	9481	9482	-93.042	31.035	2.847	-0.495	-20.8515	729.5745	1
9482_9482	9482	9482	50.172	4.9365	1.797	-0.036	-16.7265	206.4795	1
9482_9483	9482	9483	-86.7105	28.788	2.6505	0.039	9.738	423.5445	1
9483_9483	9483	9483	58.32	6.672	-0.156	-0.267	3.2565	160.509	1
9483_9484	9483	9484	-83.316	25.3305	-0.744	-0.4785	3.237	241.629	1
9484_9484	9484	9484	63.843	8.0775	-0.279	-0.174	2.4705	117.723	1
9484_9485	9484	9485	-78.171	23.4525	-0.6015	-0.1995	-1.233	69.618	1
9485_9485	9485	9485	70.7385	10.602	-0.081	-0.2355	0.4545	62.4975	1
9485_9486	9485	9486	-75.963	20.1675	0.0735	-0.3585	-0.6555	-222.576	1
9486_9486	9486	9486	144.9975	14.028	-1.0995	-0.0585	3.009	58.5615	1
9486_9487	9486	9487	-72.3105	17.217	0.096	-0.4815	-0.2115	-379.298	1
9487_9487	9487	9487	144.681	17.007	-0.825	0.198	-6.6735	-65.643	1
9487_9488	9487	9488	-71.436	15.7515	-0.0555	0.219	-0.4485	-468.494	1
9488_9488	9488	9488	-44.895	3.2625	0.9945	0.8175	6.963	64.9665	1
9488_9489	9488	9489	-82.611	31.299	2.3385	-0.9495	10.941	-508.559	1
9489_9489	9489	9489	84.672	31.6725	2.3565	-0.924	-11.385	513.705	1
9489_9490	9489	9490	39.081	3.0255	0.264	0.8775	-6.9495	-58.2675	1
9490_9490	9490	9490	72.792	15.7335	-0.015	0.0495	0.4665	471.231	1
9490_9491	9490	9491	-148.532	16.377	-0.933	0.171	6.6885	52.8735	1
9491_9491	9491	9491	73.737	17.2605	0.0945	-0.3975	0.3465	382.242	1
9491_9492	9491	9492	-75.702	13.8315	0.6435	-0.2385	1.0635	99.2295	1
9492_9492	9492	9492	77.652	20.2125	0.0645	-0.3585	0.7425	225.219	1
9492_9493	9492	9493	-67.0485	11.1375	-0.078	-0.225	-0.276	-54.7695	1
9493_9493	9493	9493	80.004	23.5755	-0.6015	-0.1935	1.164	-67.383	1
9493_9494	9493	9494	-59.946	8.745	-0.2625	-0.159	-2.232	-114.345	1
9494_9494	9494	9494	85.365	25.521	-0.747	-0.4725	-3.306	-240.246	1
9494_9495	9494	9495	-54.2265	7.428	-0.141	-0.252	-2.88	-161.817	1
9495_9495	9495	9495	88.923	29.103	2.6115	0.1845	-9.756	-423.573	1
9495_9496	9495	9496	-45.315	5.799	1.3905	-0.006	12.7485	-216.266	1
9496_9496	9496	9496	95.484	31.2525	2.727	-0.978	20.646	-734.136	1
9496_9497	9496	9497	-38.8275	4.8405	1.1505	-0.435	14.391	-221.222	1
9497_9497	9497	9497	96.9435	32.85	22.587	1.407	30.219	-839.906	1
9497_9184	9497	9184	-38.8935	4.695	2.5995	0.1215	25.329	-240.443	1
9500_9204	9500	9204	14.5215	0.4305	0.651	0.03	-10.209	59.355	1
9500_9501	9500	9501	-89.271	32.5455	19.968	1.902	-40.7595	867.7695	1
9501_9501	9501	9501	18.837	0.5085	0.72	-0.3465	-9.942	69.8235	1
9501_9502	9501	9502	-89.2935	31.2795	3.384	-2.3175	-29.748	758.6205	1
9502_9502	9502	9502	88.7925	1.473	-1.197	0.237	14.6925	183.4905	1
9502_9503	9502	9503	-90.009	29.1315	3.615	0.558	10.32	440.526	1
9503_9503	9503	9503	120.1215	4.581	-0.219	0.303	1.578	217.893	1
9503_9504	9503	9504	-83.2695	25.806	-0.627	-0.198	4.53	251.238	1
9504_9504	9504	9504	134.3595	7.5735	-0.006	0.0765	-0.537	198.129	1
9504_9505	9504	9505	-82.812	23.88	-0.72	-0.642	-0.8805	76.869	1
9505_9505	9505	9505	135.3645	11.9745	-0.03	0.1155	0.534	149.9655	1
9505_9506	9505	9506	-78.318	20.6475	0.012	-0.429	-1.0155	-231.666	1
9506_9506	9506	9506	135.807	16.608	0.0345	0.2145	1.212	-17.469	1
9506_9507	9506	9507	-77.6775	17.7765	-0.1305	-0.081	-2.697	-392.012	1
9507_9507	9507	9507	139.2915	19.482	-0.099	-0.0375	2.0715	-160.851	1
9507_9508	9507	9508	-78.0345	16.1415	-0.0345	-0.558	-3.138	-481.712	1
9508_9508	9508	9508	-35.3055	1.923	-1.9575	1.9005	16.722	79.773	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9508_9509	9508	9509	-75.333	32.367	1.188	-0.5535	-1.389	-556.77	1
9509_9509	9509	9509	71.829	32.4165	1.689	-1.0275	3.882	569.8215	1
9509_9510	9509	9510	35.4915	2.1255	1.1445	1.9875	-7.74	-80.805	1
9510_9510	9510	9510	77.8305	16.512	-0.237	-0.6585	6.234	482.985	1
9510_9511	9510	9511	-122.369	18.42	-2.592	-0.1875	20.2365	166.719	1
9511_9511	9511	9511	78.6435	18.117	-0.4395	-0.108	5.355	383.394	1
9511_9512	9511	9512	-122.19	15.9045	-2.367	-0.306	-0.813	26.7855	1
9512_9512	9512	9512	79.7235	21.0765	0.015	-0.471	0.879	222.9855	1
9512_9513	9512	9513	-109.199	11.604	-0.0615	-0.33	-1.9515	-132.198	1
9513_9513	9513	9513	82.035	24.36	-0.6795	-0.474	0.7995	-83.4465	1
9513_9514	9513	9514	-95.532	7.7985	-0.066	-0.3165	-2.3895	-180.639	1
9514_9514	9514	9514	81.45	26.2605	-0.672	-0.3495	-4.1205	-259.142	1
9514_9515	9514	9515	-88.068	5.6565	-0.0465	-0.225	-2.3985	-212.07	1
9515_9515	9515	9515	87.228	29.6625	3.5415	0.168	-9.555	-455.853	1
9515_9516	9515	9516	-68.769	3.159	1.6275	-0.0225	16.3515	-223.553	1
9516_9516	9516	9516	86.499	31.746	3.4875	-1.0845	29.28	-779.838	1
9516_9517	9516	9517	-50.5845	1.7355	0.9795	-0.3975	13.4115	-190.161	1
9517_9517	9517	9517	87.6165	33.123	19.851	1.869	42.4755	-890.463	1
9517_9220	9517	9220	-50.5785	1.5795	2.8215	0.168	25.1085	-196.635	1
9520_9240	9520	9240	-49.038	1.5225	-1.164	-0.3825	-32.5035	-67.392	1
9520_9521	9520	9521	-106.329	34.782	1.29	2.028	-64.482	915.8325	1
9521_9521	9521	9521	-49.221	1.2735	2.0205	-0.5835	-34.9965	-72.1035	1
9521_9522	9521	9522	-106.866	33.531	3.357	-1.275	-51.9495	797.7195	1
9522_9522	9522	9522	51.543	2.0925	1.4475	-0.048	-24.54	165.3765	1
9522_9523	9522	9523	-102.561	31.032	3.096	-0.0855	-14.3025	457.4595	1
9523_9523	9523	9523	71.0115	4.038	0.675	-0.516	-10.3215	168.597	1
9523_9524	9523	9524	-100.794	27.372	0.5835	-0.888	-9.288	256.6935	1
9524_9524	9524	9524	79.8135	5.787	0.5655	-0.132	-5.799	151.0455	1
9524_9525	9524	9525	-101.292	25.0275	0.765	-0.1635	-3.588	76.047	1
9525_9525	9525	9525	131.286	9.006	-0.3975	0.216	2.121	125.3955	1
9525_9526	9525	9526	-97.104	21.3885	0.423	-0.405	2.862	-243.3	1
9526_9526	9526	9526	134.796	13.956	-3.36	0.216	-2.7345	1.3965	1
9526_9527	9526	9527	-96.4245	17.922	0.135	0.255	3.5175	-401.966	1
9527_9527	9527	9527	139.626	16.695	-3.7665	0.5175	-32.112	-117.354	1
9527_9528	9527	9528	-95.52	15.9855	0.267	-0.9915	3.354	-497.567	1
9528_9528	9528	9528	-50.685	3.4665	-0.765	5.454	43.3815	108.6255	1
9528_9529	9528	9529	-93.3015	35.757	0.642	1.3725	11.793	-574.365	1
9529_9529	9529	9529	90.0825	35.973	2.979	-2.5305	15.231	585.423	1
9529_9530	9529	9530	50.4195	2.406	-2.49	5.7735	-49.242	-108.6	1
9530_9530	9530	9530	96.558	16.1475	-0.369	-0.7425	15.8955	495.693	1
9530_9531	9530	9531	-123.377	16.047	-5.892	0.3375	57.219	110.5095	1
9531_9531	9531	9531	96.21	18.102	-0.5355	-0.2565	13.4955	405.8955	1
9531_9532	9531	9532	-120.135	13.614	-5.631	-0.6015	7.2915	-2.9085	1
9532_9532	9532	9532	99.501	21.7305	-0.375	-0.549	8.298	235.9845	1
9532_9533	9532	9533	-108.885	9.783	-0.729	-0.3465	-3.825	-136.133	1
9533_9533	9533	9533	102.6345	25.644	-0.258	0.0405	2.472	-82.6215	1
9533_9534	9533	9534	-92.2845	6.15	-0.093	-0.0135	-4.677	-167.744	1
9534_9534	9534	9534	102.006	28.0365	-0.573	-0.8835	0.9135	-267.503	1
9534_9535	9534	9535	-82.4355	4.0875	0.2025	-0.429	-2.6685	-184.08	1
9535_9535	9535	9535	102.612	31.9815	0.7785	0.528	-3.4545	-469.721	1
9535_9536	9535	9536	-56.34	1.7205	-0.6345	-0.0315	-9.42	-165.951	1
9536_9536	9536	9536	106.029	34.512	0.5415	-1.2615	5.229	-822.756	1
9536_9537	9536	9537	47.004	0.843	-0.3195	0.0165	-1.323	75.564	1
9537_9537	9537	9537	105.0615	36.2235	5.3415	5.3475	7.224	-941.84	1
9537_9254	9537	9254	48.1065	1.035	0.912	0.6675	2.226	74.5575	1
9540_9275	9540	9275	-50.2095	2.511	-3.651	-0.7215	-19.2705	-54.489	1
9540_9541	9540	9541	-109.881	35.079	7.272	1.692	-80.826	967.9575	1
9541_9541	9541	9541	-53.469	1.737	1.383	-0.4785	-30.3465	-65.397	1
9541_9542	9541	9542	-104.877	34.3545	3.492	-3.4305	-63.063	846.213	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9542_9542	9542	9542	72.081	2.916	2.9745	-0.0075	-43.38	226.548	1
9542_9543	9542	9543	-104.343	31.8465	3.6105	0.1545	-21.543	497.754	1
9543_9543	9543	9543	86.523	5.6175	0.591	-0.696	-12.096	216.666	1
9543_9544	9543	9544	-104.276	28.4535	0.9045	-1.068	-14.5785	291.6075	1
9544_9544	9544	9544	93.72	7.6695	0.5295	-0.3705	-8.325	186.363	1
9544_9545	9544	9545	-101.711	26.1345	0.975	-0.4185	-6.6885	96.108	1
9545_9545	9545	9545	103.548	11.0085	1.1115	-0.5085	-4.5045	139.3035	1
9545_9546	9545	9546	-101.381	22.335	1.0815	-0.522	8.949	-225.999	1
9546_9546	9546	9546	109.185	14.2635	4.65	-0.027	11.337	-13.8825	1
9546_9547	9546	9547	-98.022	18.8775	0.7665	0.0765	15.066	-405.011	1
9547_9547	9547	9547	139.7145	16.5165	-5.5965	1.1535	-57.303	-116.252	1
9547_9548	9547	9548	-98.3775	16.9185	0.8595	-0.6375	19.656	-499.166	1
9548_9548	9548	9548	-51.1245	3.8385	-0.621	8.0445	53.2935	105.8595	1
9548_9549	9548	9549	-95.997	37.4685	-0.5025	4.3455	29.061	-582.888	1
9549_9549	9549	9549	92.1015	36.4845	3.819	-4.578	24.297	576.1155	1
9549_9550	9549	9550	50.337	1.9425	-3.4665	8.4405	-62.1675	-105.788	1
9550_9550	9550	9550	97.629	15.261	0.012	-1.146	17.175	501.777	1
9550_9551	9550	9551	-127.068	18.5955	5.847	-1.2345	-68.271	129.7035	1
9551_9551	9551	9551	97.251	17.5035	-0.27	-0.228	16.6215	415.4385	1
9551_9552	9551	9552	-123.24	15.6945	6.132	0.723	-15.15	1.5135	1
9552_9552	9552	9552	100.7145	21.5625	-0.8115	-0.654	14.4675	255.0195	1
9552_9553	9552	9553	-108.36	10.1835	-1.686	-0.39	-8.6085	-146.838	1
9553_9553	9553	9553	102.615	25.695	-0.687	-0.4425	2.466	-52.4715	1
9553_9554	9553	9554	-94.299	6.3945	0.201	-0.318	-7.0455	-178.578	1
9554_9554	9554	9554	102.876	28.338	-0.651	-0.321	-2.4765	-236.648	1
9554_9555	9554	9555	-84.648	4.0995	0.1575	-0.0705	-5.346	-193.211	1
9555_9555	9555	9555	103.9605	32.799	0.708	0.4905	-6.885	-438.828	1
9555_9556	9555	9556	-55.11	1.533	0.465	0.027	0.786	-163.04	1
9556_9556	9556	9556	105.6345	35.6655	0.642	-0.432	1.3995	-791.037	1
9556_9557	9556	9557	-14.25	0.543	0.102	-0.0435	0.096	-59.694	1
9557_9557	9557	9557	105.5445	37.6515	3.8355	4.0155	4.4625	-910.745	1
9557_9288	9557	9288	30.0705	0.5265	-0.789	-0.966	-8.349	72.1545	1
49000_9000	49000	9000	1.7685	99.351	-0.9225	-7.3275	0	14.0445	1
49000_9001	49000	9001	1.167	9.3	-5.811	-2.292	-48.234	-63.918	1
49001_9001	49001	9001	2.3625	91.6215	-1.3695	-10.386	-11.334	-741.623	1
49001_9002	49001	9002	1.158	9.3	-5.8125	-2.3805	-99.936	-146.634	1
49002_9002	49002	9002	3.0105	83.1795	1.7025	-7.926	-34.9425	-1381.5	1
49002_9003	49002	9003	1.1535	8.8905	2.787	-2.2365	-66.258	-254.051	1
49003_9003	49003	9003	3.5085	73.89	2.0085	-13.461	-21.633	-2113.83	1
49003_9004	49003	9004	-0.9645	11.7255	-0.5235	4.2345	-5.319	1110.239	1
49004_9004	49004	9004	3.8805	69.4275	0.3585	-5.9145	-3.219	-2653.63	1
49004_9005	49004	9005	-1.599	18.216	0.2025	0.927	-5.5515	1791.765	1
49005_9005	49005	9005	4.149	61.182	0.483	-12.7665	-3.861	-3069.99	1
49005_9006	49005	9006	-2.3475	27.4515	0.087	6.504	-5.9325	2385.42	1
49006_9006	49006	9006	4.32	58.4835	-0.2145	-4.5825	-3.669	-3332.16	1
49006_9007	49006	9007	-2.9985	32.271	0.5235	0.066	-1.563	2856.752	1
49007_9007	49007	9007	4.4085	50.9055	-0.132	-8.634	-11.4645	-3512.48	1
49007_9008	49007	9008	-3.4995	40.7955	0.4725	3.84	3.993	3156.773	1
49008_9008	49008	9008	4.425	49.4475	-0.3195	-3.7935	-18.9795	-3566.1	1
49008_9009	49008	9009	-3.873	43.398	0.6555	-0.9195	11.8305	3361.835	1
49009_9009	49009	9009	4.377	42.312	-0.2325	-4.3305	-28.0635	-3568.31	1
49009_9010	49009	9010	-4.143	51.333	0.5895	-0.348	20.0535	3424.904	1
49010_9010	49010	9010	4.2705	40.989	-0.462	2.1975	-36.5175	-3462.8	1
49010_9011	49010	9011	-4.314	53.217	0.8685	-6.651	31.2705	3417.672	1
49011_9011	49011	9011	4.1115	34.2255	-0.3555	-4.8285	-46.317	-3322.85	1
49011_9012	49011	9012	-4.404	60.801	0.7965	0.447	42.4605	3285.957	1
49012_9012	49012	9012	3.903	32.5815	-0.6	3.657	-54.7725	-3090.22	1
49012_9013	49012	9013	-4.4205	62.595	1.242	-8.6055	58.095	3100.799	1
49013_9013	49013	9013	3.6345	26.295	-0.423	-2.6535	-63.0135	-2846.73	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49013_9014	49013	9014	-4.3725	69.9705	1.137	-1.9815	72.615	2803.923	1
49014_9014	49014	9014	3.2205	22.407	0.345	2.88	-67.104	-2371.79	1
49014_9015	49014	9015	-4.269	72.6405	-0.3165	-8.2965	66.297	2203.974	1
49015_9015	49015	9015	2.811	18.6135	0.3825	-1.467	-60.312	-2293.32	1
49015_9016	49015	9016	-4.791	81.8445	-0.3165	-3.018	62.343	2176.221	1
49016_9016	49016	9016	2.1705	16.0845	1.3725	4.383	-55.503	-1868.55	1
49016_9017	49016	9017	-6.057	83.2035	-2.208	-8.892	35.0265	1564.313	1
49017_9017	49017	9017	1.6095	10.719	0.9225	0.0555	-41.1465	-1430.44	1
49017_9018	49017	9018	-8.196	89.601	-2.1825	-4.8945	6.0225	902.9415	1
49018_9018	49018	9018	1.275	6.291	-1.005	2.2065	-34.8465	-1008.34	1
49018_9019	49018	9019	-10.584	94.626	4.521	-6.648	65.202	324.3555	1
49019_9019	49019	9019	-0.4365	3.489	-0.0315	0.615	-44.0895	-773.862	1
49019_9020	49019	9020	-13.362	100.908	3.7635	-6.1095	109.3095	-328.797	1
49020_9020	49020	9020	-74.9235	82.1055	6.204	-1.815	-186.32	-45.8145	1
49020_9021	49020	9021	123.927	18.054	-7.8975	-3.4035	195.7215	969.591	1
49021_9021	49021	9021	-68.8095	76.674	5.799	-5.4405	-110.898	-443.189	1
49021_9022	49021	9022	113.67	21.792	-8.043	2.091	123.69	1125.516	1
49022_9022	49022	9022	-63.891	70.95	5.0655	-4.737	-53.2065	-655.146	1
49022_9023	49022	9023	105.2175	25.386	-7.767	1.5555	55.0845	1191.816	1
49023_9023	49023	9023	-60.1755	66.315	0.306	-1.875	-6.192	-832.866	1
49023_9024	49023	9024	96.297	28.1865	-1.3335	-2.4405	37.1925	1244.411	1
49024_9024	49024	9024	-57.726	60.126	0.0975	-2.5785	2.154	-996.815	1
49024_9025	49024	9025	87.5805	32.5185	-1.182	-1.8465	21.9735	1279.68	1
49025_9025	49025	9025	-56.5845	54.0705	-0.051	-4.6635	7.1715	-1116.94	1
49025_9026	49025	9026	79.362	37.3365	-1.125	0.807	8.2815	1287.588	1
49026_9026	49026	9026	-56.5665	52.6845	-0.2265	0.942	8.3745	-1277.73	1
49026_9027	49026	9027	72.351	39.771	-0.3285	-4.6545	3.1725	1373.181	1
49027_9027	49027	9027	-57.237	48.1665	-0.1995	-2.448	7.92	-1322.63	1
49027_9028	49027	9028	67.833	43.7895	-0.3825	-1.578	-0.735	1363.466	1
49028_9028	49028	9028	-58.614	43.8315	-0.2895	-2.5905	7.095	-1343.66	1
49028_9029	49028	9029	64.164	48.1305	-0.2955	-1.3605	-3.696	1338.638	1
49029_9029	49029	9029	-60.828	39.789	-0.363	-3.183	5.256	-1347.24	1
49029_9030	49029	9030	61.2135	52.638	-0.234	-0.5055	-5.793	1288.173	1
49030_9030	49030	9030	-64.767	37.4085	-1.0485	0.1155	1.7055	-1255.47	1
49030_9031	49030	9031	58.944	53.9175	-0.1125	-4.086	-6.7515	1123.758	1
49031_9031	49031	9031	-69.8895	32.5635	-1.2105	-0.6525	-9.6	-1240.5	1
49031_9032	49031	9032	57.054	59.982	0.102	-3.669	-3.807	998.478	1
49032_9032	49032	9032	-75.6	28.1955	-1.2705	-3.1485	-23.4765	-1197.41	1
49032_9033	49032	9033	56.4615	66.1695	0.234	-1.2345	1.8945	828.3165	1
49033_9033	49033	9033	-81.633	25.344	-7.821	2.4555	-39.4155	-1136.57	1
49033_9034	49033	9034	57.135	70.854	5.109	-5.2725	47.2575	645.3285	1
49034_9034	49034	9034	-87.48	21.7005	-7.9725	1.6665	-106.971	-1059.95	1
49034_9035	49034	9035	59.085	76.5705	5.781	-5.1825	103.101	425.463	1
49035_9035	49035	9035	-94.74	17.901	-7.8555	-3.7365	-176.696	-897.345	1
49035_9036	49035	9036	62.2365	82.0395	6.2175	-1.485	177.0075	24.543	1
49036_9036	49036	9036	53.5635	95.1165	3.435	-5.739	-84.4485	477.549	1
49036_9037	49036	9037	10.8825	10.3905	-0.3645	-2.2065	4.7865	547.437	1
49037_9037	49037	9037	54.96	89.1525	4.047	-6.768	-43.3065	-44.73	1
49037_9038	49037	9038	10.6035	10.674	-0.3885	-0.9855	-0.2445	413.6025	1
49038_9038	49038	9038	55.626	84.372	-1.92	-5.8425	9.87	-487.488	1
49038_9039	49038	9039	-31.9575	13.2345	0.963	0.3255	28.131	1224.039	1
49039_9039	49039	9039	55.146	78.582	-1.938	-8.7075	-15.198	-1015.2	1
49039_9040	49039	9040	-38.472	18.417	1.425	3.903	41.259	1565.159	1
49040_9040	49040	9040	54.423	77.5095	-1.506	-7.2375	-38.0805	-1534.04	1
49040_9041	49040	9041	-43.749	20.817	0.957	1.737	48.489	1898.858	1
49041_9041	49041	9041	53.5965	68.2545	-1.4595	-7.5885	-51.6165	-1470.99	1
49041_9042	49041	9042	-46.941	24.558	1.083	1.647	65.73	1880.817	1
49042_9042	49042	9042	52.587	65.283	0.204	-4.428	-73.812	-1962.69	1
49042_9043	49042	9043	-51.021	28.4715	-0.2655	-1.239	66.297	2197.956	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49043_9043	49043	9043	50.9895	57.4665	0.1515	-7.488	-71.025	-2196.92	1
49043_9044	49043	9044	-52.9875	35.2215	-0.2385	1.8255	65.8965	2318.379	1
49044_9044	49044	9044	48.975	55.221	0.0585	-2.352	-69.075	-2336.8	1
49044_9045	49044	9045	-53.7255	37.1535	-0.12	-3.3405	65.85	2427.891	1
49045_9045	49045	9045	46.6125	47.4855	0.009	-5.82	-67.7805	-2442.38	1
49045_9046	49045	9046	-53.5935	44.4945	-0.081	0.1275	66.3135	2453.003	1
49046_9046	49046	9046	43.956	45.5085	-0.12	-0.1845	-67.263	-2455.86	1
49046_9047	49046	9047	-52.647	46.392	0.0435	-5.532	67.596	2453.426	1
49047_9047	49047	9047	40.9755	38.091	-0.153	-3.651	-67.6305	-2442.03	1
49047_9048	49047	9048	-51.1005	54.1095	0.0945	-2.0355	69.687	2362.634	1
49048_9048	49048	9048	37.6875	36.0795	-0.378	1.6845	-68.4135	-2341.27	1
49048_9049	49048	9049	-49.1085	56.2635	0.3075	-7.389	73.8375	2237.99	1
49049_9049	49049	9049	33.975	29.244	-0.3765	-1.5945	-70.494	-2229.87	1
49049_9050	49049	9050	-46.785	64.1265	0.363	-4.0755	78.9405	2018.231	1
49050_9050	49050	9050	28.7625	25.224	1.017	2.286	-70.8135	-1918	1
49050_9051	49050	9051	-44.154	67.1025	-1.368	-8.0865	58.4445	1540.434	1
49051_9051	49051	9051	25.5525	21.2445	0.8685	0.051	-54.1575	-1934.25	1
49051_9052	49051	9052	-41.01	76.6455	-1.368	-5.334	46.356	1591.512	1
49052_9052	49052	9052	20.8215	18.6285	1.3305	2.265	-46.7565	-1605.26	1
49052_9053	49052	9053	-39.9645	77.8335	-1.908	-7.653	23.6925	1076.576	1
49053_9053	49053	9053	15.627	12.993	0.8925	1.5255	-34.101	-1269.14	1
49053_9054	49053	9054	-38.679	84.1785	-1.959	-7.5405	-2.313	549.5175	1
49054_9054	49054	9054	11.313	8.2695	-1.2225	1.5825	-28.899	-923.25	1
49054_9055	49054	9055	-36.795	89.4165	4.4505	-6.7755	56.43	93.294	1
49055_9055	49055	9055	-40.3425	7.146	-0.1335	-1.854	15.0525	-475.715	1
49055_9056	49055	9056	-35.2905	96.0495	3.804	-6.6405	101.9655	-449.766	1
49056_9056	49056	9056	-74.316	81.1095	5.7975	-1.8855	-165.294	-190.734	1
49056_9057	49056	9057	110.454	18.324	-7.2	-3.1725	167.988	970.26	1
49057_9057	49057	9057	-69.8655	75.6705	5.397	-4.326	-96.195	-576.632	1
49057_9058	49057	9058	103.0755	22.311	-7.3305	0.1605	102.8895	1134.851	1
49058_9058	49058	9058	-66.4095	70.062	4.878	-5.754	-43.89	-790.356	1
49058_9059	49058	9059	96.909	26.088	-7.329	2.7615	38.8065	1223.414	1
49059_9059	49059	9059	-63.96	65.6625	0.1575	-1.1625	-0.4425	-964.592	1
49059_9060	49059	9060	90.2595	28.9065	-0.921	-3.363	25.251	1294.013	1
49060_9060	49060	9060	-62.5695	59.6295	0.0825	-3.756	4.9905	-1124.42	1
49060_9061	49060	9061	83.742	33.3195	-0.9165	-0.741	13.068	1343.204	1
49061_9061	49061	9061	-62.277	53.721	-0.093	-4.194	8.481	-1239.81	1
49061_9062	49061	9062	77.586	38.1915	-0.798	0.0705	2.796	1362.837	1
49062_9062	49062	9062	-62.7825	52.65	-0.1575	-1.401	8.4345	-1396.88	1
49062_9063	49062	9063	72.4245	40.4265	-0.261	-2.5545	-1.4055	1459.583	1
49063_9063	49063	9063	-63.8685	48.249	-0.3225	0.9735	7.644	-1439.92	1
49063_9064	49063	9064	69.165	44.427	-0.0765	-5.163	-3.0195	1457.337	1
49064_9064	49064	9064	-65.5785	44.0055	-0.1605	-4.9965	5.454	-1458.36	1
49064_9065	49064	9065	66.5955	48.684	-0.249	0.798	-5.364	1436.645	1
49065_9065	49065	9065	-68.031	40.029	-0.3225	-2.7675	3.9285	-1458.72	1
49065_9066	49065	9066	64.6275	53.0985	-0.0945	-1.179	-6.375	1391.088	1
49066_9066	49066	9066	-72.174	37.815	-0.8355	0.75	0.1515	-1360.67	1
49066_9067	49066	9067	63.222	54.1515	-0.0135	-4.884	-6.39	1230.899	1
49067_9067	49067	9067	-77.418	32.976	-0.8565	-2.037	-9.669	-1340.07	1
49067_9068	49067	9068	62.2965	60.06	0.0735	-2.607	-3.8505	1112.114	1
49068_9068	49068	9068	-83.1405	28.5975	-0.975	-2.6595	-20.592	-1290.17	1
49068_9069	49068	9069	62.4765	66.099	0.225	-1.8555	1.1595	948.7125	1
49069_9069	49069	9069	-89.1165	25.9305	-7.3875	1.488	-33.888	-1221.12	1
49069_9070	49069	9070	63.747	70.371	4.89	-5.0055	43.668	772.968	1
49070_9070	49070	9070	-94.7535	22.2015	-7.5105	0.4995	-97.7655	-1135.42	1
49070_9071	49070	9071	66.102	75.975	5.5095	-4.668	96.0615	557.6595	1
49071_9071	49071	9071	-101.673	18.2925	-7.398	-2.9985	-163.514	-976.265	1
49071_9072	49071	9072	69.519	81.393	5.9355	-2.199	165.8145	170.478	1
49072_9072	49072	9072	44.9085	95.6955	3.753	-6.1635	-96.2145	394.98	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49072_9073	49072	9073	4.887	8.97	-0.3225	-1.6065	16.332	407.409	1
49073_9073	49073	9073	45.519	89.448	4.3305	-6.87	-50.223	-167.052	1
49073_9074	49073	9074	6.078	9.114	-0.3225	-1.344	10.803	298.785	1
49074_9074	49074	9074	45.6225	84.72	-2.178	-5.7555	6.909	-648.656	1
49074_9075	49074	9075	-25.1085	12.84	0.999	0.303	32.0385	1283.463	1
49075_9075	49075	9075	44.766	78.7485	-2.2245	-8.844	-21.5805	-1204.47	1
49075_9076	49075	9076	-30.6465	18.1815	1.5255	4.2345	47.001	1639.77	1
49076_9076	49076	9076	43.9725	77.8065	-1.26	-5.6865	-48.0525	-1749.73	1
49076_9077	49076	9077	-35.1135	20.5065	0.849	0.5685	54.456	1997.942	1
49077_9077	49077	9077	43.4115	69.441	-1.2885	-7.8615	-59.4945	-1802.59	1
49077_9078	49077	9078	-37.719	24.381	0.9255	2.0565	68.463	2064.492	1
49078_9078	49078	9078	43.068	67.0395	0.6495	-4.356	-78.3165	-2256.5	1
49078_9079	49078	9079	-40.815	27.741	-0.3555	-1.0935	67.425	2392.523	1
49079_9079	49079	9079	42.4545	59.9175	0.651	-8.067	-71.2395	-2499.17	1
49079_9080	49079	9080	-42.4815	33.999	-0.426	2.5485	64.167	2550.522	1
49080_9080	49080	9080	41.664	58.44	0.228	-4.1445	-64.572	-2657.03	1
49080_9081	49080	9081	-43.239	35.484	-0.0975	-1.4745	62.721	2704.848	1
49081_9081	49081	9081	40.7175	51.3825	0.2595	-5.238	-62.1855	-2785.98	1
49081_9082	49081	9082	-43.4295	42.186	-0.1545	-0.3585	60.8085	2784.572	1
49082_9082	49082	9082	39.582	49.7925	0.006	-0.9765	-60.033	-2793.31	1
49082_9083	49082	9083	-43.1775	43.284	0.09	-4.4535	60.9165	2809.682	1
49083_9083	49083	9083	38.295	42.399	0.012	-4.572	-60.1995	-2812.55	1
49083_9084	49083	9084	-42.585	50.7315	0.09	-0.837	61.461	2781.47	1
49084_9084	49084	9084	36.93	41.3295	-0.1485	1.017	-60.711	-2778.2	1
49084_9085	49084	9085	-41.7525	52.3335	0.261	-6.4485	63.354	2763.857	1
49085_9085	49085	9085	35.328	34.7085	-0.1245	-2.745	-62.2485	-2692.83	1
49085_9086	49085	9086	-40.8315	59.394	0.261	-2.619	65.808	2624.502	1
49086_9086	49086	9086	33.4095	33.2295	-0.4605	2.472	-63.7095	-2534.27	1
49086_9087	49086	9087	-39.792	60.87	0.6825	-7.9665	72.489	2457.026	1
49087_9087	49087	9087	31.0005	27.039	-0.3795	-0.8985	-67.194	-2371.15	1
49087_9088	49087	9088	-38.6295	67.986	0.669	-4.5435	79.407	2205.636	1
49088_9088	49088	9088	27.6195	24.1785	0.7425	2.376	-68.61	-2062.86	1
49088_9089	49088	9089	-37.3155	70.1565	-1.017	-8.0685	64.4505	1782.927	1
49089_9089	49089	9089	25.0335	20.2215	0.678	0.354	-57.267	-1989.93	1
49089_9090	49089	9090	-36.18	78.183	-0.996	-5.5305	54.6975	1720.956	1
49090_9090	49090	9090	20.991	17.6685	1.3755	3.132	-50.478	-1630.1	1
49090_9091	49090	9091	-36.1305	79.242	-2.0595	-8.1165	29.721	1176.479	1
49091_9091	49091	9091	16.365	12.1215	0.9375	0.8265	-36.3285	-1260.97	1
49091_9092	49091	9092	-36.1035	85.479	-2.052	-6.4575	2.1525	606.234	1
49092_9092	49092	9092	-12.855	9.2985	-0.144	-1.0365	0.9435	-354.161	1
49092_9093	49092	9093	-35.4945	90.414	4.524	-6.4785	61.119	118.4175	1
49093_9093	49093	9093	-8.076	9.0345	-0.12	-2.0595	-3.3015	-453.972	1
49093_9094	49093	9094	-34.932	96.9165	3.96	-5.7915	109.0845	-456.275	1
49094_9094	49094	9094	-74.7345	81.099	5.6145	-2.316	-158.319	-180.449	1
49094_9095	49094	9095	111.825	18.279	-7.0185	-2.7375	160.7775	963.2085	1
49095_9095	49095	9095	-70.0725	75.6195	5.2095	-4.4955	-91.4775	-568.044	1
49095_9096	49095	9096	104.283	22.227	-7.1295	0.345	97.6155	1123.695	1
49096_9096	49096	9096	-66.372	69.9555	4.6125	-4.7295	-41.091	-783.875	1
49096_9097	49096	9097	97.986	26.001	-6.996	1.1445	36.4605	1211.627	1
49097_9097	49097	9097	-63.627	65.76	0.099	-1.26	-0.0645	-958.473	1
49097_9098	49097	9098	91.1715	28.6845	-0.873	-3.18	23.5485	1282.409	1
49098_9098	49098	9098	-61.9155	59.694	0.0165	-3.6345	4.5615	-1121.92	1
49098_9099	49098	9099	84.4725	33.105	-0.852	-0.7845	12.1905	1334.091	1
49099_9099	49099	9099	-61.2645	53.7585	-0.15	-4.128	7.2495	-1238.83	1
49099_9100	49099	9100	78.135	37.989	-0.732	0.078	2.7855	1355.685	1
49100_9100	49100	9100	-61.476	52.8465	-0.1995	-0.5895	6.579	-1397.26	1
49100_9101	49100	9101	72.7635	40.1085	-0.369	-3.1695	-1.6875	1455.555	1
49101_9101	49101	9101	-62.2515	48.4125	-0.276	-1.0815	5.2305	-1442.5	1
49101_9102	49101	9102	69.3255	44.1075	-0.2865	-2.9265	-4.2	1455.864	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49102_9102	49102	9102	-63.6255	44.1255	-0.348	-1.686	2.901	-1461.28	1
49102_9103	49102	9103	66.57	48.3795	-0.2175	-2.4105	-5.862	1437.572	1
49103_9103	49103	9103	-65.7225	40.1265	-0.3225	-4.6575	-0.321	-1463.16	1
49103_9104	49103	9104	64.3815	52.821	-0.2535	0.912	-7.227	1394.279	1
49104_9104	49104	9104	-69.36	38.0115	-0.777	0.81	-4.932	-1365.24	1
49104_9105	49104	9105	62.751	53.703	-0.126	-4.8165	-7.371	1238.789	1
49105_9105	49105	9105	-74.0745	33.096	-0.8145	-2.0235	-15.186	-1344.57	1
49105_9106	49105	9106	61.488	59.625	-0.0345	-2.49	-4.662	1123.349	1
49106_9106	49106	9106	-79.23	28.653	-0.951	-2.565	-26.7765	-1294.23	1
49106_9107	49106	9107	61.296	65.703	0.1275	-1.8165	0.6705	963.6255	1
49107_9107	49107	9107	-84.6405	25.947	-6.9675	0.9825	-40.9335	-1223.01	1
49107_9108	49107	9108	62.151	69.855	4.608	-4.722	42.216	790.3065	1
49108_9108	49108	9108	-89.649	22.131	-7.092	0.1005	-102.549	-1134.62	1
49108_9109	49108	9109	64.0725	75.546	5.2005	-4.38	93.051	576.9495	1
49109_9109	49109	9109	-95.775	18.1275	-7.0515	-2.433	-166.124	-971.841	1
49109_9110	49109	9110	67.011	81.0435	5.6505	-2.5995	160.776	190.242	1
49110_9110	49110	9110	48.918	94.1685	4.032	-6.1275	-118.89	371.151	1
49110_9111	49110	9111	16.239	5.2245	-0.0855	-1.251	-3.537	328.689	1
49111_9111	49111	9111	50.6085	87.72	4.602	-6.288	-71.634	-162.849	1
49111_9112	49111	9112	-21.8745	9.0525	-1.5345	1.7025	34.5855	924.45	1
49112_9112	49112	9112	52.05	82.929	-1.8015	-6.5115	-12.8415	-607.764	1
49112_9113	49112	9113	-27.69	13.53	0.8475	0.7815	40.9425	1272.45	1
49113_9113	49113	9113	52.476	76.8375	-1.7955	-8.112	-37.5375	-1128.36	1
49113_9114	49113	9114	-33.996	19.053	1.275	3.1605	54.711	1614.686	1
49114_9114	49114	9114	52.6095	75.921	-0.711	-6.342	-59.3055	-1636.46	1
49114_9115	49114	9115	-39.3105	21.5625	0.4515	1.026	59.841	1950.881	1
49115_9115	49115	9115	53.5455	67.4085	-0.678	-7.563	-66.3945	-1640.2	1
49115_9116	49115	9116	-42.6525	25.53	0.504	1.7685	68.367	1976.217	1
49116_9116	49116	9116	54.312	65.2935	0.7185	-3.0585	-76.299	-2054.4	1
49116_9117	49116	9117	-47.0535	28.644	-0.5055	-2.229	65.4585	2264.363	1
49117_9117	49117	9117	54.7365	57.9285	0.6555	-8.7555	-67.998	-2269.99	1
49117_9118	49117	9118	-49.851	35.058	-0.51	3.4605	61.215	2385.321	1
49118_9118	49118	9118	54.87	56.4435	0.5625	-1.1055	-60.681	-2400.05	1
49118_9119	49118	9119	-51.849	36.489	-0.4185	-4.2255	56.4015	2501.373	1
49119_9119	49119	9119	54.7785	49.1415	0.4935	-7.2675	-53.9715	-2503.45	1
49119_9120	49119	9120	-53.247	43.3455	-0.39	1.8945	51.759	2540.192	1
49120_9120	49120	9120	54.4335	47.7255	0.297	0.4545	-48.561	-2485.7	1
49120_9121	49120	9121	-54.144	44.2245	-0.2355	-5.934	47.7315	2531.51	1
49121_9121	49121	9121	53.811	40.0845	0.2295	-5.421	-44.8185	-2481.3	1
49121_9122	49121	9122	-54.672	51.8925	-0.1755	0	44.7075	2465.705	1
49122_9122	49122	9122	52.8765	39.087	0.198	3.5415	-42.4725	-2422.96	1
49122_9123	49122	9123	-54.87	53.5155	-0.147	-8.9355	41.751	2415.102	1
49123_9123	49123	9123	51.5295	32.2905	0.0915	-4.6155	-40.3485	-2320.68	1
49123_9124	49123	9124	-54.7935	60.8145	-0.0285	-0.5835	40.716	2243.087	1
49124_9124	49124	9124	49.6095	31.038	-0.0885	3.291	-39.9135	-2148.12	1
49124_9125	49124	9125	-54.522	62.1525	0.2475	-8.9175	42.561	2048.948	1
49125_9125	49125	9125	46.854	24.768	-0.0915	-1.9185	-40.311	-1979.99	1
49125_9126	49125	9126	-53.9955	69.477	0.3105	-3.594	45.6435	1768.709	1
49126_9126	49126	9126	42.6135	21.906	0.924	2.691	-40.2255	-1669.34	1
49126_9127	49126	9127	-53.1765	71.7345	-1.3335	-8.4465	26.7735	1303.329	1
49127_9127	49127	9127	39.3615	18.1125	0.8145	-0.6225	-27.843	-1591.05	1
49127_9128	49127	9128	-52.356	80.0025	-1.2315	-4.554	16.2915	1225.425	1
49128_9128	49128	9128	34.074	16.194	1.7355	3.489	-22.5405	-1256.57	1
49128_9129	49128	9129	-52.347	80.595	-2.3295	-8.1885	-10.7835	666.2115	1
49129_9129	49129	9129	27.759	11.034	1.2045	0.0225	-7.524	-932.63	1
49129_9130	49129	9130	-52.1055	86.502	-2.3145	-5.628	-40.317	106.917	1
49130_9130	49130	9130	-17.061	9.729	-0.516	-1.35	-20.19	-519.704	1
49130_9131	49130	9131	-50.7855	91.0125	4.626	-6.1605	21.3615	-362.573	1
49131_9131	49131	9131	-15.0045	9.303	-0.492	-1.152	-27.2145	-631.425	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49131_9132	49131	9132	-49.2045	97.2495	4.236	-5.5695	77.3625	-907.209	1
49132_9132	49132	9132	-73.5765	83.697	6.7215	-3.312	-160.416	53.73	1
49132_9133	49132	9133	116.55	13.9065	-7.386	-1.6545	125.448	716.3445	1
49133_9133	49133	9133	-67.9425	77.7435	6.1695	-4.4985	-87.27	-385.815	1
49133_9134	49133	9134	107.8875	18.0795	-7.3965	-0.264	65.877	928.935	1
49134_9134	49134	9134	-63.3195	71.5515	5.7	-6.0015	-33.2505	-633.819	1
49134_9135	49134	9135	100.5885	22.0965	-7.554	2.19	3.699	1046.178	1
49135_9135	49135	9135	-59.73	66.372	-0.2985	-1.7985	12.4005	-837.792	1
49135_9136	49135	9136	92.793	25.6455	-0.156	-2.5365	-1.077	1141.553	1
49136_9136	49136	9136	-57.216	59.7525	-0.2895	-4.0695	10.566	-1021.26	1
49136_9137	49136	9137	85.053	30.3975	-0.1755	-0.264	-4.704	1213.209	1
49137_9137	49137	9137	-55.8405	53.28	-0.357	-4.458	8.259	-1153.6	1
49137_9138	49137	9138	77.655	35.655	-0.09	0.525	-6.774	1251.063	1
49138_9138	49138	9138	-55.548	51.978	-0.2475	0.252	4.8105	-1316.57	1
49138_9139	49138	9139	71.244	38.211	0.1365	-4.05	-6.2625	1358.33	1
49139_9139	49139	9139	-55.869	47.1405	-0.1635	-2.925	2.475	-1364.34	1
49139_9140	49139	9140	67.065	42.537	0.0465	-1.203	-5.7885	1363.748	1
49140_9140	49140	9140	-56.832	42.486	-0.171	-3.348	0.594	-1383.62	1
49140_9141	49140	9141	63.5985	47.181	0.063	-0.621	-5.049	1349.241	1
49141_9141	49141	9141	-58.5555	38.1345	-0.279	-1.23	-1.3035	-1382.03	1
49141_9142	49141	9142	60.7485	52.014	0.177	-2.6505	-3.507	1306.392	1
49142_9142	49142	9142	-61.7565	35.619	-0.3165	-0.7635	-4.746	-1280.63	1
49142_9143	49142	9143	58.4895	53.235	-0.1965	-3.417	-4.434	1148	1
49143_9143	49143	9143	-66.0465	30.327	-0.465	0.2985	-9.7605	-1247.88	1
49143_9144	49143	9144	56.457	59.7225	-0.03	-4.6335	-2.67	1022.796	1
49144_9144	49144	9144	-70.773	25.533	-0.456	-2.1105	-16.533	-1180.31	1
49144_9145	49144	9145	55.563	66.348	-0.0135	-2.3565	-0.12	845.919	1
49145_9145	49145	9145	-75.7395	22.1775	-6.174	1.026	-24.1935	-1088.26	1
49145_9146	49145	9146	55.7835	71.3295	4.3185	-4.9305	36.8805	649.785	1
49146_9146	49146	9146	-80.292	18.1125	-6.324	1.647	-76.524	-974.214	1
49146_9147	49146	9147	57.171	77.5275	4.8855	-5.6925	82.239	409.401	1
49147_9147	49147	9147	-85.797	13.8435	-6.1995	-1.899	-129.83	-771.584	1
49147_9148	49147	9148	59.658	83.4825	5.235	-3.261	142.1805	-19.1835	1
49148_9148	49148	9148	73.8255	92.2845	3.7755	-5.6715	-81.819	642.372	1
49148_9149	49148	9149	36.003	6.0195	-0.213	-0.7395	3.0975	510.3495	1
49149_9149	49149	9149	78.5085	86.058	4.4085	-5.9025	-34.6305	153.6735	1
49149_9150	49149	9150	-36.9705	9.447	-1.197	0.5385	17.5125	723.714	1
49150_9150	49150	9150	82.7175	81.348	-2.0025	-7.152	24.2625	-252.135	1
49150_9151	49150	9151	-46.2975	13.9935	0.9645	1.233	20.2155	1026.113	1
49151_9151	49151	9151	85.0575	75.675	-1.8345	-6.591	-1.7445	-723.954	1
49151_9152	49151	9152	-56.271	19.146	1.365	0.852	30.5625	1311.813	1
49152_9152	49152	9152	86.2245	74.7375	-1.053	-6.591	-22.8495	-1214.97	1
49152_9153	49152	9153	-64.6125	21.597	0.585	1.176	33.753	1608.414	1
49153_9153	49153	9153	88.266	65.937	-0.9465	-6.447	-31.503	-1197.96	1
49153_9154	49153	9154	-69.942	25.4715	0.6435	0.4155	42.4875	1599.554	1
49154_9154	49154	9154	89.304	62.886	0.0645	-3.6765	-43.905	-1606.08	1
49154_9155	49154	9155	-77.2935	29.3175	-0.1575	-1.962	42.237	1847.478	1
49155_9155	49155	9155	89.499	55.1655	-0.03	-6.684	-42.4755	-1799.15	1
49155_9156	49155	9156	-81.9645	35.973	-0.087	1.0485	42.294	1929.245	1
49156_9156	49156	9156	88.977	53.253	0.051	-1.8975	-42.24	-1950.58	1
49156_9157	49156	9157	-85.359	38.34	-0.1845	-3.7515	41.0205	2038.065	1
49157_9157	49157	9157	87.7845	46.3635	-0.054	-5.229	-41.2215	-2026.42	1
49157_9158	49157	9158	-87.564	44.913	-0.0945	-0.438	40.7085	2039.669	1
49158_9158	49158	9158	85.8855	44.6175	-0.12	-0.246	-41.481	-2034.12	1
49158_9159	49158	9159	-88.8975	46.695	-0.0405	-5.403	40.8585	2026.586	1
49159_9159	49159	9159	83.202	38.034	-0.2085	-3.567	-42.306	-2027.5	1
49159_9160	49159	9160	-89.4885	53.568	0.069	-2.091	42.3525	1945.862	1
49160_9160	49160	9160	79.38	35.5905	-0.063	0.2805	-44.049	-1913.53	1
49160_9161	49160	9161	-89.3865	55.6005	-0.036	-6.078	42.852	1788.584	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49161_9161	49161	9161	74.3985	28.9245	-0.06	-0.855	-43.866	-1823.94	1
49161_9162	49161	9162	-88.518	63.303	-0.03	-4.974	43.557	1588.817	1
49162_9162	49162	9162	66.8535	25.044	0.777	0.204	-43.302	-1568.62	1
49162_9163	49162	9163	-86.8245	66.4365	-1.083	-6.3885	29.4675	1171.662	1
49163_9163	49163	9163	61.4865	21.1485	0.738	1.728	-32.9355	-1568.1	1
49163_9164	49163	9164	-84.1005	75.243	-1.239	-7.257	19.4415	1179.713	1
49164_9164	49164	9164	53.2005	18.6	1.434	1.0335	-28.9245	-1266.9	1
49164_9165	49164	9165	-82.5945	76.3545	-1.9215	-6.8325	-2.5275	679.113	1
49165_9165	49165	9165	43.413	13.434	1.0185	1.1235	-18.345	-973.076	1
49165_9166	49165	9166	-79.896	82.0965	-2.0865	-7.044	-29.3625	189.408	1
49166_9166	49166	9166	34.3275	8.8095	-1.1685	1.032	-15.816	-669.027	1
49166_9167	49166	9167	-75.4845	87.093	4.398	-5.943	29.775	-231.113	1
49167_9167	49167	9167	-41.901	6.591	-0.162	-0.9855	-5.997	-587.592	1
49167_9168	49167	9168	-70.743	93.3315	3.81	-5.535	78.216	-732.495	1
49168_9168	49168	9168	-63.777	83.8365	5.424	-3.504	-144.884	41.796	1
49168_9169	49168	9169	92.313	13.9245	-6.3975	-1.6485	128.262	754.1445	1
49169_9169	49169	9169	-60.6765	77.9475	5.0535	-5.8455	-83.409	-392.346	1
49169_9170	49169	9170	86.538	18.1095	-6.5175	1.761	74.1045	957.4875	1
49170_9170	49170	9170	-58.626	71.8005	4.464	-5.118	-37.1235	-637.334	1
49170_9171	49170	9171	81.6735	22.1025	-6.36	1.1625	20.784	1072.004	1
49171_9171	49171	9171	-57.6795	66.663	0.171	-3.4785	0.3915	-839.288	1
49171_9172	49171	9172	76.2885	25.5345	-0.705	-0.9555	11.526	1164.684	1
49172_9172	49172	9172	-57.8055	60.072	0.0015	-2.598	3.7935	-1020.55	1
49172_9173	49172	9173	71.0865	30.27	-0.5325	-1.9725	4.7655	1234.392	1
49173_9173	49173	9173	-59.04	53.6145	-0.0345	-4.8225	5.0145	-1151.13	1
49173_9174	49173	9174	66.24	35.502	-0.5415	0.6765	-1.476	1270.061	1
49174_9174	49174	9174	-60.6795	52.0695	-0.0375	-1.8885	4.7805	-1314.05	1
49174_9175	49174	9175	62.4375	38.2875	-0.1395	-1.9125	-3.2895	1374.257	1
49175_9175	49175	9175	-62.8905	47.271	-0.1605	0.1635	4.4055	-1358.86	1
49175_9176	49175	9176	60.2265	42.6135	-0.012	-4.128	-3.624	1377.452	1
49176_9176	49176	9176	-65.7	42.6465	-0.075	-2.958	3.1065	-1375.8	1
49176_9177	49176	9177	58.749	47.2425	-0.0885	-1.0935	-4.3695	1360.23	1
49177_9177	49177	9177	-69.207	38.334	-0.099	-3.243	2.244	-1372.8	1
49177_9178	49177	9178	57.8895	52.041	-0.066	-0.543	-4.788	1315.068	1
49178_9178	49178	9178	-74.6895	35.52	-0.618	0.78	0.618	-1268.69	1
49178_9179	49178	9179	57.618	53.6805	0.0165	-4.8705	-4.4025	1151.517	1
49179_9179	49179	9179	-81.1335	30.3165	-0.6	-1.8735	-6.3285	-1233.27	1
49179_9180	49179	9180	58.2135	60.132	0.0615	-2.664	-2.478	1019.882	1
49180_9180	49180	9180	-87.867	25.608	-0.786	-0.864	-13.68	-1164.44	1
49180_9181	49180	9181	59.9175	66.714	0.24	-3.558	1.713	837.7845	1
49181_9181	49181	9181	-94.6755	22.1655	-6.2385	1.5435	-23.5425	-1073.24	1
49181_9182	49181	9182	62.664	71.8875	4.3935	-5.622	38.928	634.968	1
49182_9182	49182	9182	-100.899	18.204	-6.291	0.5805	-75.8175	-961.07	1
49182_9183	49182	9183	66.4335	78.021	4.8945	-5.148	84.0285	389.547	1
49183_9183	49183	9183	-108.182	14.076	-6.36	-0.6675	-127.884	-760.545	1
49183_9184	49183	9184	71.19	83.8965	5.4	-4.2795	145.2675	-44.403	1
49184_9184	49184	9184	55.179	95.8245	3.7245	-5.484	-76.338	782.5845	1
49184_9185	49184	9185	16.0305	8.19	-0.2475	-1.0425	7.566	471.4875	1
49185_9185	49185	9185	57.8565	89.457	4.317	-5.9025	-28.2915	237.2715	1
49185_9186	49185	9186	17.4435	8.6295	-0.261	-0.8505	3.6915	368.6265	1
49186_9186	49186	9186	60.246	84.0555	-2.142	-6.4455	30.195	-231.318	1
49186_9187	49186	9187	-31.926	12.363	1.0365	0.759	19.458	973.4355	1
49187_9187	49187	9187	61.317	77.928	-2.031	-6.858	3.258	-770.441	1
49187_9188	49187	9188	-39.342	17.6325	1.509	1.404	30.813	1295.472	1
49188_9188	49188	9188	61.7835	76.185	-1.3275	-7.4325	-19.6455	-1302.31	1
49188_9189	49188	9189	-45.6195	20.4795	0.7245	1.0935	34.6155	1620.099	1
49189_9189	49189	9189	63.021	67.2225	-1.266	-7.38	-30.111	-1315.22	1
49189_9190	49189	9190	-49.6305	24.4695	0.8235	0.369	45.618	1639.95	1
49190_9190	49190	9190	63.723	63.597	-0.3075	-7.23	-46.875	-1751.45	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49190_9191	49190	9191	-55.0785	28.7145	0.0915	-0.4335	48.204	1923.878	1
49191_9191	49191	9191	63.768	55.923	-0.273	-6.657	-49.542	-1958.19	1
49191_9192	49191	9192	-58.5255	35.3805	0.0765	-0.9945	50.499	2035.193	1
49192_9192	49192	9192	63.3075	53.6355	-0.231	-2.649	-51.942	-2122.17	1
49192_9193	49192	9193	-60.966	38.214	0.009	-4.5225	51.744	2167.908	1
49193_9193	49193	9193	62.3505	46.854	-0.327	-6.438	-53.673	-2200.66	1
49193_9194	49193	9194	-62.5275	44.766	0.105	-0.786	54.0945	2187.513	1
49194_9194	49194	9194	60.858	44.679	-0.276	-0.3165	-56.2905	-2210.78	1
49194_9195	49194	9195	-63.4545	47.037	0.0825	-6.798	56.262	2184.459	1
49195_9195	49195	9195	58.7535	38.2545	-0.354	-4.0905	-58.1865	-2201.55	1
49195_9196	49195	9196	-63.8085	53.8545	0.1845	-3.048	59.5305	2111.865	1
49196_9196	49196	9196	55.7685	35.508	-0.0795	1.71	-60.492	-2081.61	1
49196_9197	49196	9197	-63.666	56.3115	-0.108	-8.739	59.7765	1950.857	1
49197_9197	49197	9197	51.9615	29.0295	-0.156	-1.755	-59.613	-1985.6	1
49197_9198	49197	9198	-62.9445	63.9375	-0.021	-5.346	60.957	1749.654	1
49198_9198	49198	9198	46.2255	24.888	1.0095	2.2545	-58.581	-1721.01	1
49198_9199	49198	9199	-61.599	67.6395	-1.3905	-9.3825	43.101	1320.093	1
49199_9199	49199	9199	42.201	21.015	0.8175	0.372	-44.4	-1719.54	1
49199_9200	49199	9200	-59.5695	76.44	-1.404	-7.1025	31.605	1331.679	1
49200_9200	49200	9200	36.06	17.958	1.341	2.643	-39.201	-1407.04	1
49200_9201	49200	9201	-58.6995	78.399	-1.6905	-9.4395	12.1275	810.6	1
49201_9201	49201	9201	28.9905	12.7665	0.9255	1.5315	-28.1925	-1091.64	1
49201_9202	49201	9202	-57.1725	84.435	-1.7985	-8.9565	-11.2755	291.6945	1
49202_9202	49202	9202	22.656	8.088	-1.221	1.347	-24.3375	-766.557	1
49202_9203	49202	9203	-54.48	89.814	4.6665	-8.271	49.869	-153.944	1
49203_9203	49203	9203	-16.815	7.26	-0.2175	-0.963	0.468	-443.181	1
49203_9204	49203	9204	-51.7185	96.0435	3.939	-8.277	97.056	-678.069	1
49204_9204	49204	9204	-74.124	82.506	5.649	-3.7305	-160.457	-54.546	1
49204_9205	49204	9205	108.651	17.0235	-7.0215	-2.3925	158.322	861.3195	1
49205_9205	49205	9205	-69.987	77.034	5.208	-6.6525	-93.69	-470.552	1
49205_9206	49205	9206	101.625	20.964	-7.071	1.8135	96.675	1053.434	1
49206_9206	49206	9206	-66.8835	71.3355	4.611	-6.9675	-43.6125	-697.806	1
49206_9207	49206	9207	95.7315	24.6915	-6.9525	2.8905	36.579	1148.03	1
49207_9207	49207	9207	-64.815	66.351	0.4485	-1.05	-2.721	-886.268	1
49207_9208	49207	9208	89.3325	27.9945	-1.2705	-3.8865	21.105	1221.866	1
49208_9208	49208	9208	-63.816	60.219	0.339	-3.5655	4.2795	-1058.17	1
49208_9209	49208	9209	83.088	32.4225	-1.257	-1.5285	6.9255	1275.314	1
49209_9209	49209	9209	-63.9	54.1995	0.216	-5.7615	8.8005	-1185.47	1
49209_9210	49209	9210	77.2095	37.3125	-1.233	1.2285	-6.0675	1299.272	1
49210_9210	49210	9210	-64.656	52.83	-0.2955	2.8395	10.3005	-1351.91	1
49210_9211	49210	9211	72.3465	39.7845	-0.015	-6.33	-7.9365	1398.497	1
49211_9211	49211	9211	-65.973	48.3435	-0.225	-0.4635	7.8165	-1402.14	1
49211_9212	49211	9212	69.339	43.8225	-0.081	-3.72	-8.973	1398.804	1
49212_9212	49212	9212	-67.869	44.0235	-0.153	-3.549	5.436	-1427.6	1
49212_9213	49212	9213	67.0455	48.1425	-0.153	-0.696	-10.0605	1381.917	1
49213_9213	49213	9213	-70.425	39.9885	-0.0825	-6.2505	3.219	-1436.03	1
49213_9214	49213	9214	65.3595	52.629	-0.2205	2.5785	-11.2095	1340.133	1
49214_9214	49214	9214	-74.61	37.587	-1.413	3.8145	0.159	-1348.65	1
49214_9215	49214	9215	64.2555	54.081	0.4095	-7.056	-7.254	1182.291	1
49215_9215	49215	9215	-79.689	32.7315	-1.3425	-0.843	-15.0555	-1337.38	1
49215_9216	49215	9216	63.7185	60.0615	0.45	-3.489	-0.687	1065.096	1
49216_9216	49216	9216	-85.044	28.338	-1.2435	-4.893	-30.522	-1297.9	1
49216_9217	49216	9217	64.263	66.177	0.474	0.543	7.59	904.227	1
49217_9217	49217	9217	-90.5475	25.605	-6.6075	6.327	-46.2315	-1239.2	1
49217_9218	49217	9218	65.8725	70.8195	4.767	-8.379	50.6205	729.6645	1
49218_9218	49218	9218	-95.4555	21.885	-6.2955	0.171	-103.346	-1165.36	1
49218_9219	49218	9219	68.4735	76.4205	5.001	-4.707	99.3345	517.977	1
49219_9219	49219	9219	-101.096	17.9715	-6.213	-2.508	-157.628	-1002.41	1
49219_9220	49219	9220	72.015	81.819	5.391	-2.4915	163.05	123.126	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49220_9220	49220	9220	42.303	92.001	3.123	-5.172	-93.9525	236.3775	1
49220_9221	49220	9221	12.1545	11.6265	0.189	-2.6415	-17.58	382.5375	1
49221_9221	49221	9221	44.127	85.0875	3.636	-6.8955	-55.161	-301.698	1
49221_9222	49221	9222	13.806	11.9565	0.1605	-0.963	-16.368	237.3795	1
49222_9222	49222	9222	45.855	78.885	-1.584	-2.469	-5.5485	-750.654	1
49222_9223	49222	9223	-22.1595	15.939	0.537	-2.004	38.166	1282.704	1
49223_9223	49223	9223	46.794	72.126	-1.767	-9.5955	-24.492	-1240.85	1
49223_9224	49223	9224	-27.954	22.017	1.0695	6.0825	48.231	1599.053	1
49224_9224	49224	9224	47.3295	69.8775	-0.7755	-0.057	-44.877	-1710.26	1
49224_9225	49224	9225	-33.1215	25.515	0.387	-4.0125	51.117	1913.502	1
49225_9225	49225	9225	48.7065	60.0795	-0.9345	-7.815	-50.964	-1658.17	1
49225_9226	49225	9226	-36.48	29.916	0.582	3.2685	60.3135	1862.018	1
49226_9226	49226	9226	49.3995	55.6395	0.213	0.45	-64.4325	-2021.21	1
49226_9227	49226	9227	-41.4	35.475	-0.156	-4.83	60.642	2107.274	1
49227_9227	49227	9227	49.2615	47.787	0.0975	-6.8505	-61.1655	-2138.78	1
49227_9228	49227	9228	-44.559	42.783	-0.075	2.364	61.0455	2143.031	1
49228_9228	49228	9228	48.3075	44.0205	0.27	2.5155	-59.5425	-2164.83	1
49228_9229	49228	9229	-46.8735	46.7055	-0.228	-6.816	58.395	2140.793	1
49229_9229	49229	9229	46.3785	36.756	0.168	-4.7985	-55.008	-2150.23	1
49229_9230	49229	9230	-48.495	54.5295	-0.123	0.444	57.189	2042.55	1
49230_9230	49230	9230	43.3755	32.9355	0.4605	5.016	-51.5865	-2031.11	1
49230_9231	49230	9231	-49.3275	58.9155	-0.7365	-8.7975	47.6715	1848.534	1
49231_9231	49231	9231	40.521	27.873	0.309	-0.9705	-45.171	-2027.5	1
49231_9232	49231	9232	-49.3485	67.275	-0.624	-3.198	41.613	1789.347	1
49232_9232	49232	9232	39.354	26.394	0.129	-8.9955	-42.405	-2137.2	1
49232_9233	49232	9233	-49.05	73.3125	-0.4125	5.574	40.2255	1980.434	1
49233_9233	49233	9233	35.544	24.2955	1.7685	6.3435	-42.405	-1801.25	1
49233_9234	49233	9234	-49.401	72.171	-2.427	-9.6105	17.091	1446.132	1
49234_9234	49234	9234	32.298	21.033	1.473	0.8685	-27.5175	-1710.09	1
49234_9235	49234	9235	-49.08	77.745	-2.3325	-5.109	0.6465	1327.254	1
49235_9235	49235	9235	29.457	18.534	1.167	-3.732	-19.5915	-1605.54	1
49235_9236	49235	9236	-48.864	81.7575	-2.1555	-0.528	-11.505	1203.239	1
49236_9236	49236	9236	25.065	15.051	2.784	2.808	-18.6585	-1298.83	1
49236_9237	49236	9237	-48.5745	83.8125	-1.5285	-7.1505	-24.7755	700.9965	1
49237_9237	49237	9237	-6.0765	13.794	-0.282	-2.4135	2.3415	-377.408	1
49237_9238	49237	9238	-47.514	88.8975	-1.722	-1.9065	-38.8875	380.031	1
49238_9238	49238	9238	-6.3105	14.2125	-2.6205	-0.4335	-0.153	-506.462	1
49238_9239	49238	9239	-45.954	87.132	7.149	-14.4675	23.4165	101.3355	1
49239_9239	49239	9239	-5.022	14.136	-2.7015	-1.3365	-25.281	-629.045	1
49239_9240	49239	9240	-44.0235	91.5735	6.8445	-12.8385	47.8845	242.493	1
49240_9240	49240	9240	-88.407	69.888	-1.9515	-21.075	-95.6625	-579.426	1
49240_9241	49240	9241	115.731	31.707	4.0095	20.2155	148.179	1217.078	1
49241_9241	49241	9241	-86.934	77.133	1.827	2.919	-103.515	-840.729	1
49241_9242	49241	9242	112.191	25.491	-3.513	-7.605	133.668	1355.678	1
49242_9242	49242	9242	-82.0185	69.123	1.278	-0.681	-80.4375	-464.969	1
49242_9243	49242	9243	110.145	26.9325	-3.63	-4.5765	86.9985	1146.218	1
49243_9243	49243	9243	-79.899	63.1935	0.96	-4.314	-56.907	-880.758	1
49243_9244	49243	9244	101.886	33.1665	-3.453	0.4815	52.668	1295.349	1
49244_9244	49244	9244	-79.1655	62.256	3.4965	0.579	-43.422	-968.499	1
49244_9245	49244	9245	95.778	32.4495	-3.4035	-5.6175	17.5245	1293.162	1
49245_9245	49245	9245	-79.7175	55.887	3.369	-4.3785	-4.7025	-1201.99	1
49245_9246	49245	9246	89.379	38.058	-3.9285	-0.4425	-21.087	1359.704	1
49246_9246	49246	9246	-81.7485	50.553	-0.198	0.6225	23.394	-1249.13	1
49246_9247	49246	9247	84.7125	41.8995	0.3885	-4.8465	-20.4585	1303.679	1
49247_9247	49247	9247	-84.8385	44.631	0.12	-5.463	18.7725	-1384.14	1
49247_9248	49247	9248	81.135	48.5625	0.078	1.3035	-22.2195	1324.374	1
49248_9248	49248	9248	-89.193	40.755	-1.32	0.87	16.332	-1389.93	1
49248_9249	49248	9249	79.4415	52.815	0.7545	-4.782	-16.6455	1237.101	1
49249_9249	49249	9249	-95.052	35.1105	-1.1535	-3.924	-1.182	-1375.95	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49249_9250	49249	9250	78.99	59.25	0.7035	-0.4515	-8.3505	1075.521	1
49250_9250	49250	9250	-100.979	31.902	-6.042	0.702	-19.2315	-1356.04	1
49250_9251	49250	9251	79.9035	64.425	4.3935	-4.374	38.229	914.973	1
49251_9251	49251	9251	-106.755	27.2685	-5.697	-3.8325	-84.6135	-1308.32	1
49251_9252	49251	9252	82.2615	71.034	4.8375	-0.6765	96.0675	702.1635	1
49252_9252	49252	9252	-108.779	30.507	5.361	23.799	-141.408	-1453.96	1
49252_9253	49252	9253	86.0685	71.9865	-3.9765	-22.281	97.719	972.1065	1
49253_9253	49253	9253	-113.613	26.061	5.6745	19.983	-126.551	-1219.75	1
49253_9254	49253	9254	87.576	73.863	-4.326	-20.9175	59.9355	448.233	1
49254_9254	49254	9254	39.6285	81.1125	12.915	-28.8945	-47.5455	32.403	1
49254_9255	49254	9255	-11.4945	16.3305	-11.118	21.228	-100.961	672.7635	1
49255_9255	49255	9255	42.4515	85.461	-6.7155	-2.118	97.6425	-366.725	1
49255_9256	49255	9256	32.0955	12.987	-0.822	-2.5545	-15.453	398.5605	1
49256_9256	49256	9256	44.394	79.5195	-6.501	-7.2495	23.0685	-721.709	1
49256_9257	49256	9257	-20.4915	17.3205	7.1205	3.015	45.495	1302.426	1
49257_9257	49257	9257	45.054	82.1625	0.981	-0.012	-48.621	-1345.1	1
49257_9258	49257	9258	-24.9315	19.0995	-0.921	-3.6375	42.9045	1680.326	1
49258_9258	49258	9258	47.007	76.374	0.849	-3.414	-43.8345	-1230.04	1
49258_9259	49258	9259	-27.099	20.9295	-0.894	-0.852	34.1925	1670.904	1
49259_9259	49259	9259	47.9685	72.597	0.6705	-8.1255	-35.583	-1681.16	1
49259_9260	49259	9260	-31.356	25.608	-0.882	4.8855	28.287	1938.011	1
49260_9260	49260	9260	48.3195	72.999	-0.2505	6.4185	-31.83	-2013.03	1
49260_9261	49260	9261	-34.194	26.952	0.255	-9.336	28.905	2154.827	1
49261_9261	49261	9261	50.883	65.3475	-0.3555	-1.5345	-35.427	-1728.45	1
49261_9262	49261	9262	-35.532	28.4955	0.381	-2.436	33.282	1979.697	1
49262_9262	49262	9262	52.776	58.6545	-0.474	-9.108	-41.43	-2027.4	1
49262_9263	49262	9263	-39.867	34.983	0.5145	5.7645	39.264	2145.807	1
49263_9263	49263	9263	54.3075	53.8395	-0.042	0.3435	-48.6735	-2077.04	1
49263_9264	49263	9264	-43.371	37.878	0.4095	-4.4385	45.06	2151.141	1
49264_9264	49264	9264	54.8835	46.3035	-0.048	-4.95	-49.923	-2190.21	1
49264_9265	49264	9265	-47.079	45.3435	0.42	0.8475	50.814	2180.775	1
49265_9265	49265	9265	54.2955	42.03	0.159	2.3085	-50.67	-2186.14	1
49265_9266	49265	9266	-50.0895	49.623	0.0525	-6.3645	51.1005	2118.084	1
49266_9266	49266	9266	52.614	35.184	0.1215	-2.703	-47.8095	-2170.47	1
49266_9267	49266	9267	-52.542	57.576	0.0825	-1.422	51.648	2012.228	1
49267_9267	49267	9267	51.171	34.164	1.077	4.788	-45.9495	-2261.23	1
49267_9268	49267	9268	-54.1575	62.3865	-1.32	-8.109	41.3565	2114.463	1
49268_9268	49268	9268	49.3065	30.3435	0.966	2.7735	-38.7765	-2182.24	1
49268_9269	49268	9269	-54.7365	66.846	-1.3215	-6.6705	31.9935	1981.202	1
49269_9269	49269	9269	45.7695	25.7325	0.7395	-1.0575	-32.94	-1962.68	1
49269_9270	49269	9270	-55.554	70.8465	-1.2405	-3.0015	19.308	1630.338	1
49270_9270	49270	9270	41.3175	23.0805	1.353	5.364	-29.019	-1756.88	1
49270_9271	49270	9271	-56.49	74.3265	-2.0775	-9.003	-2.502	1321.632	1
49271_9271	49271	9271	37.4415	19.827	1.0845	1.7745	-19.2735	-1642.47	1
49271_9272	49271	9272	-56.826	79.782	-1.9575	-6.201	-16.7295	1192.091	1
49272_9272	49272	9272	34.8975	17.8965	0.864	-2.259	-13.9395	-1572.48	1
49272_9273	49272	9273	-56.3775	84.036	-1.7325	-1.7115	-22.3455	1180.508	1
49273_9273	49273	9273	-13.4505	13.665	0.1965	-0.1125	11.583	-333.593	1
49273_9274	49273	9274	-56.418	85.5435	3.6015	-7.578	23.184	439.914	1
49274_9274	49274	9274	-13.2825	13.3365	0.231	-2.2845	13.476	-495.141	1
49274_9275	49274	9275	-55.3365	91.002	3.021	-4.161	63.009	-119.622	1
49275_9275	49275	9275	-84.0045	77.877	3.3285	-2.5905	-122.03	-681.707	1
49275_9276	49275	9276	108.1065	23.7555	-5.199	-0.894	167.763	1360.128	1
49276_9276	49276	9276	-81.951	74.9205	3.1485	-3.9855	-96.6645	-792.023	1
49276_9277	49276	9277	105.2505	25.974	-5.178	1.0215	138.9135	1407.023	1
49277_9277	49277	9277	-79.167	68.8425	2.697	-5.853	-65.187	-657.006	1
49277_9278	49277	9278	102.3405	28.266	-5.1795	4.3605	86.3565	1322.01	1
49278_9278	49278	9278	-77.736	64.2525	0.363	1.0095	-25.5975	-730.223	1
49278_9279	49278	9279	96.867	30.576	-1.704	-5.97	59.832	1300.842	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49279_9279	49279	9279	-78.4575	56.226	0.3255	-5.2065	-10.227	-903.44	1
49279_9280	49279	9280	89.9445	36.4845	-1.836	1.5495	31.206	1277.66	1
49280_9280	49280	9280	-81.426	53.046	-1.077	1.7295	0.471	-1021.82	1
49280_9281	49280	9281	83.8425	39.003	0.438	-6.2715	31.3695	1254.881	1
49281_9281	49281	9281	-86.6655	45.108	-0.7485	-5.0535	-5.4945	-1112.43	1
49281_9282	49281	9282	79.689	46.0605	0.309	0.789	31.629	1173.546	1
49282_9282	49282	9282	-94.3365	40.827	-0.4575	2.1555	-6.495	-1099.61	1
49282_9283	49282	9283	77.7975	51.0915	-1.041	-4.2945	16.884	1013.001	1
49283_9283	49283	9283	-103.032	34.836	-0.3645	-5.0625	-9.879	-1169.96	1
49283_9284	49283	9284	78.399	59.4195	-1.167	2.712	3.3465	880.5015	1
49284_9284	49284	9284	-111.501	34.071	-6.0825	1.3725	-15.5145	-1192.88	1
49284_9285	49284	9285	81.237	62.3205	2.2305	-3.495	28.5135	755.9025	1
49285_9285	49285	9285	-119.009	29.631	-6.2205	-3.312	-83.1795	-1208.94	1
49285_9286	49285	9286	85.4355	68.9445	2.9475	0.0915	68.715	592.749	1
49286_9286	49286	9286	-122.228	32.2965	6.111	8.2935	-145.782	-1345.65	1
49286_9287	49286	9287	90.6375	71.307	-3.8355	-9.6135	72.195	779.223	1
49287_9287	49287	9287	-129.089	28.368	6.3015	8.466	-127.968	-1169.6	1
49287_9288	49287	9288	93.4185	73.6035	-4.119	-10.497	39.426	306.2445	1
49288_9288	49288	9288	15.4785	85.833	11.1075	-16.2585	-37.7205	-137.69	1
49288_9289	49288	9289	-2.502	14.6925	-9.255	12.84	-84.15	656.2065	1
49289_9289	49289	9289	13.6905	90.4875	-5.481	-0.348	73.656	-487.415	1
49289_9290	49289	9290	-3.5115	10.314	5.6745	-2.28	-18.387	1019.378	1
49290_9290	49290	9290	11.556	84.5835	-5.2125	-4.461	5.97	-1031.11	1
49290_9291	49290	9291	-4.3935	15.123	5.904	2.172	51.438	1400.837	1
49291_9291	49291	9291	10.545	87.3855	0.2475	3.4125	-54.6915	-1814.09	1
49291_9292	49291	9292	-5.5695	16.671	-0.975	-4.926	49.329	1893.387	1
49292_9292	49292	9292	9.5205	83.1165	0.126	-1.779	-54.1065	-1812.88	1
49292_9293	49292	9293	-6.0675	18.378	-0.8925	-0.351	42.837	1956.531	1
49293_9293	49293	9293	8.919	78.786	0.039	-6.0645	-54.054	-2128.68	1
49293_9294	49293	9294	-6.762	22.0215	-0.7725	4.143	38.889	2191.28	1
49294_9294	49294	9294	9.0735	82.752	1.4055	8.172	-54.723	-2576.06	1
49294_9295	49294	9295	-7.236	20.5515	-0.87	-9.018	38.5005	2523.651	1
49295_9295	49295	9295	9.3765	76.887	1.4205	-1.5555	-50.7675	-2474.27	1
49295_9296	49295	9296	-7.461	22.3785	-0.924	-0.5835	30.4665	2516.79	1
49296_9296	49296	9296	9.579	72.1365	1.41	-8.856	-37.0215	-2895.9	1
49296_9297	49296	9297	-8.0025	27.2565	-1.104	6.669	22.8285	2831.816	1
49297_9297	49297	9297	9.771	70.1655	0.3795	3.84	-27.0495	-2990.03	1
49297_9298	49297	9298	-8.3685	27.297	0.0135	-5.355	23.0565	2969.526	1
49298_9298	49298	9298	9.894	63.891	0.438	-8.7405	-23.1345	-3309.94	1
49298_9299	49298	9299	-8.832	33.183	-0.0555	6.4635	21.9675	3244.13	1
49299_9299	49299	9299	9.9285	62.943	0.372	6.0195	-18.795	-3484.25	1
49299_9300	49299	9300	-9.1875	33.9735	-0.117	-7.3935	19.2945	3465.323	1
49300_9300	49300	9300	9.8355	55.233	0.4065	-7.0845	-14.589	-3537.67	1
49300_9301	49300	9301	-9.4785	39.8175	-0.1545	5.1975	15.8475	3547.143	1
49301_9301	49301	9301	9.5955	53.484	0.453	8.337	-9.5625	-3628.63	1
49301_9302	49301	9302	-9.744	41.6175	-0.252	-9.8235	10.152	3726.647	1
49302_9302	49302	9302	9.1785	46.116	0.456	-7.539	-4.1085	-3611.59	1
49302_9303	49302	9303	-9.894	48.3465	-0.276	6.417	4.671	3763.178	1
49303_9303	49303	9303	8.499	43.2225	0.3585	7.5135	0.4905	-3414.94	1
49303_9304	49303	9304	-9.936	49.725	-0.2085	-9.7245	-0.6675	3710.724	1
49304_9304	49304	9304	7.6785	35.847	0.3585	-5.0325	4.2795	-3250.34	1
49304_9305	49304	9305	-9.8475	57.27	-0.2295	4.2825	-5.439	3648.933	1
49305_9305	49305	9305	6.603	32.2725	0.1335	9.4665	6.525	-2887.02	1
49305_9306	49305	9306	-9.624	59.286	0.06	-12.927	-6.8295	3460.815	1
49306_9306	49306	9306	5.043	23.133	0.168	-2.8125	5.982	-2309.96	1
49306_9307	49306	9307	-9.252	66.4065	0.0465	2.5065	-7.6605	3052.575	1
49307_9307	49307	9307	3.3765	16.941	-0.1035	4.6245	5.4435	-1678.61	1
49307_9308	49307	9308	-8.6025	71.1015	0.636	-9.7785	-1.923	2622.038	1
49308_9308	49308	9308	2.0775	9.5985	0.009	-0.144	2.901	-1065.58	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49308_9309	49308	9309	-7.749	79.5465	0.528	-1.806	2.466	2016.771	1
49309_9309	49309	9309	-1.1445	8.0145	1.2975	-1.449	15.99	180.3165	1
49309_9310	49309	9310	-6.615	86.0805	1.077	-8.283	12.3615	1230.83	1
49310_9310	49310	9310	-1.14	8.0145	1.3005	-1.1655	31.482	84.594	1
49310_9311	49310	9311	-5.1525	95.5275	0.9105	-2.6595	19.122	271.5495	1
49311_9311	49311	9311	-1.245	8.361	-14.2935	3.3435	47.415	-8.0865	1
49311_9312	49311	9312	-3.438	105.576	-3.708	-2.73	0	-30.744	1

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95
	Max.	1.31	1.58	1.84	1.84	1.05			0.00	
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	
Fatigue I	Max/Min	1.5								

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
1000_1000	1000	1000	-2.4075	-2.376	0.2895	-0.2595	0	-8.6775	1
1000_1001	1000	1001	-0.3675	-0.693	0.2565	-0.2835	4.356	2.6925	1
1001_1001	1001	1001	0.7725	-2.376	0.2895	-0.267	4.926	17.0175	1
1001_1002	1001	1002	0.2235	-0.693	0.2565	-0.2835	7.1325	7.47	1
9000_9000	9000	9000	-1.797	-8.6925	1.149	0.321	0	-7.8945	1
9000_9001	9000	9001	58.4325	-92.862	0.183	1.026	1.5135	481.983	1
9001_9001	9001	9001	3.8925	-8.6925	1.149	0.333	9.531	38.004	1
9001_9002	9001	9002	112.932	-85.6365	0.27	1.455	4.6455	925.524	1
9002_9002	9002	9002	9.9855	-8.31	-0.5505	0.3135	19.746	87.1905	1
9002_9003	9002	9003	173.586	-77.7465	-0.336	1.11	2.8395	1419.092	1
9003_9003	9003	9003	-91.4955	-10.959	0.1035	-0.5925	-0.1995	-744.458	1
9003_9004	9003	9004	218.928	-69.0645	-0.3975	1.8855	-0.5235	1788.126	1
9004_9004	9004	9004	-146.987	-17.0265	-0.0405	-0.1305	1.5795	-1196.25	1
9004_9005	9004	9005	254.376	-64.893	-0.0705	0.828	-0.2205	2076.549	1
9005_9005	9005	9005	-198.393	-25.659	-0.018	-0.9105	1.3815	-1615.7	1
9005_9006	9005	9006	277.542	-57.186	-0.096	1.788	-0.3885	2265.168	1
9006_9006	9006	9006	-236.921	-30.1635	-0.1035	-0.009	1.56	-1930.56	1
9006_9007	9006	9007	294.3135	-54.663	0.042	0.642	1.2375	2401.613	1
9007_9007	9007	9007	-266.24	-38.1315	-0.093	-0.5385	0.339	-2170.19	1
9007_9008	9007	9008	300.78	-47.58	0.0255	1.209	2.58	2454.339	1
9008_9008	9008	9008	-283.407	-40.563	-0.129	0.129	-0.771	-2310.98	1
9008_9009	9008	9009	303.441	-46.218	0.063	0.531	4.515	2475.926	1
9009_9009	9009	9009	-294.887	-47.9805	-0.117	0.0495	-2.5545	-2405.22	1
9009_9010	9009	9010	297.2565	-39.549	0.0465	0.606	6.099	2425.692	1
9010_9010	9010	9010	-295.937	-49.7415	-0.171	0.9315	-4.107	-2414.68	1
9010_9011	9010	9011	288.4095	-38.3115	0.0915	-0.3075	8.319	2353.637	1
9011_9011	9011	9011	-292.916	-56.8305	-0.1575	-0.063	-6.4875	-2390.78	1
9011_9012	9011	9012	272.193	-31.9905	0.0705	0.6765	9.999	2221.752	1
9012_9012	9012	9012	-280.863	-58.5075	-0.246	1.206	-8.5155	-2293.53	1
9012_9013	9012	9013	253.7475	-30.4545	0.1185	-0.5115	12.2535	2071.596	1
9013_9013	9013	9013	-265.589	-65.4015	-0.225	0.2775	-11.6325	-2169.9	1
9013_9014	9013	9014	230.4135	-24.5775	0.084	0.372	13.4595	1881.605	1
9014_9014	9014	9014	-242.394	-67.896	0.063	1.1625	-14.0715	-1981.97	1
9014_9015	9014	9015	197.994	-20.943	-0.0675	-0.4035	12.1995	1617.426	1
9015_9015	9015	9015	-226.662	-76.5225	0.042	0.234	-8.6235	-1726.53	1
9015_9016	9015	9016	190.842	-16.8465	-0.051	0.0855	7.5885	1486.715	1
9016_9016	9016	9016	-195.626	-78.702	0.2925	0.6855	-8.0925	-1544.93	1
9016_9017	9016	9017	146.0205	-14.0745	-0.183	-0.3465	5.223	1266.549	1
9017_9017	9017	9017	-141.972	-85.383	0.2895	0.456	-4.641	-1294.51	1
9017_9018	9017	9018	92.235	-9.2295	-0.123	-0.0435	3.8385	996.8505	1
9018_9018	9018	9018	-80.823	-90.693	-0.6	0.603	-1.1265	-957.245	1
9018_9019	9018	9019	51.264	-5.37	0.1335	-0.276	6.3	707.3775	1
9019_9019	9019	9019	-33.804	-97.116	-0.4995	0.6975	-8.232	-611.319	1
9019_9020	9019	9020	31.194	-2.934	0.0045	-0.1395	5.802	544.218	1
9020_9020	9020	9020	-177.06	-16.7685	1.0485	0.276	-35.964	-694.001	1
9020_9021	9020	9021	117.957	-76.2555	-0.8235	0.147	16.917	502.362	1
9021_9021	9021	9021	-181.52	-20.1645	0.8325	-0.123	-19.26	-762.911	1
9021_9022	9021	9022	131.133	-70.9455	-0.6	0.321	6.8385	611.061	1
9022_9022	9022	9022	-184.046	-23.49	0.804	-0.0915	-11.949	-818.705	1
9022_9023	9022	9023	142.179	-65.649	-0.525	0.279	1.4385	710.772	1
9023_9023	9023	9023	-185.133	-26.0805	0.138	0.144	-4.9575	-866.502	1
9023_9024	9023	9024	153.0315	-61.3605	-0.0315	0.111	0.3885	803.703	1
9024_9024	9024	9024	-185.415	-30.0885	0.123	0.1095	-3.255	-907.722	1
9024_9025	9024	9025	161.0685	-55.6335	-0.0105	0.1515	-0.303	871.1655	1
9025_9025	9025	9025	-184.041	-34.548	0.117	-0.048	-1.791	-935.081	1
9025_9026	9025	9026	166.347	-50.031	0.006	0.2745	-0.7005	913.3845	1
9026_9026	9026	9026	-181.682	-36.7995	0.0345	0.2745	-0.5325	-950.075	1
9026_9027	9026	9027	170.049	-48.7485	0.024	-0.0555	-0.7275	939.453	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9027_9027	9027	9027	-180.024	-40.518	0.039	0.093	-0.162	-958.782	1
9027_9028	9027	9028	172.0095	-44.568	0.021	0.144	-0.696	950.2065	1
9028_9028	9028	9028	-177.737	-44.535	0.03	0.0795	0.1995	-959.232	1
9028_9029	9028	9029	172.4355	-40.557	0.03	0.153	-0.555	946.9965	1
9029_9029	9029	9029	-173.921	-48.7065	0.024	0.03	0.4545	-945.723	1
9029_9030	9029	9030	172.155	-36.816	0.0375	0.1875	-0.3195	935.0565	1
9030_9030	9030	9030	-168.317	-49.89	0.012	0.2415	0.606	-916.581	1
9030_9031	9030	9031	172.026	-34.614	0.108	-0.0075	0.6915	916.413	1
9031_9031	9031	9031	-160.658	-55.5	-0.0105	0.216	0.48	-871.308	1
9031_9032	9031	9032	170.8005	-30.1305	0.126	0.039	1.9965	884.7525	1
9032_9032	9032	9032	-150.195	-61.2255	-0.024	0.0735	-0.003	-800.507	1
9032_9033	9032	9033	167.9355	-26.0895	0.132	0.186	3.4845	838.914	1
9033_9033	9033	9033	-136.916	-65.5605	-0.5295	0.3105	-0.792	-704.226	1
9033_9034	9033	9034	164.2425	-23.451	0.81	-0.144	10.3635	785.829	1
9034_9034	9034	9034	-123.429	-70.8495	-0.5985	0.306	-6.0375	-600.74	1
9034_9035	9034	9035	159.189	-20.079	0.8265	-0.0975	17.4825	724.0125	1
9035_9035	9035	9035	-107.33	-76.2105	-0.84	0.1215	-15.927	-489.746	1
9035_9036	9035	9036	150.888	-16.629	1.0605	0.3045	33.939	650.277	1
9036_9036	9036	9036	-34.062	-9.57	0.0495	0.213	-1.269	-454.01	1
9036_9037	9036	9037	-6.702	-91.014	-0.465	0.6765	5.5725	467.49	1
9037_9037	9037	9037	-34.161	-9.7905	0.0525	0.087	-0.6255	-356.792	1
9037_9038	9037	9038	28.0815	-84.846	-0.5475	0.6345	-1.0125	738.183	1
9038_9038	9038	9038	-59.8725	-11.9445	-0.1305	-0.0495	-2.0745	-888.636	1
9038_9039	9038	9039	73.863	-79.812	0.2595	0.5415	2.1015	995.877	1
9039_9039	9039	9039	-101.04	-16.5705	-0.192	-0.306	-3.306	-1098.57	1
9039_9040	9039	9040	114.507	-73.8675	0.261	0.6675	5.124	1180.364	1
9040_9040	9040	9040	-133.065	-19.041	-0.129	-0.1365	-5.4795	-1260.21	1
9040_9041	9040	9041	138.0045	-72.297	0.204	0.5325	6.816	1318.223	1
9041_9041	9041	9041	-171.656	-22.6095	-0.0705	-0.084	-3.186	-1270.91	1
9041_9042	9041	9042	189.894	-62.8395	0.0945	0.39	4.758	1412.463	1
9042_9042	9042	9042	-194.451	-26.2125	0.0165	0.063	-4.485	-1431.25	1
9042_9043	9042	9043	211.494	-60.1035	-0.0135	0.2265	4.6095	1545.336	1
9043_9043	9043	9043	-211.077	-32.427	0.015	-0.093	-4.4385	-1544.26	1
9043_9044	9043	9044	225.015	-52.9065	-0.0105	0.384	4.47	1624.737	1
9044_9044	9044	9044	-222.446	-34.206	0.0075	0.171	-4.344	-1619.16	1
9044_9045	9044	9045	236.3865	-50.8395	-0.0045	0.12	4.416	1688.885	1
9045_9045	9045	9045	-232.532	-40.9635	0.0045	-0.006	-4.344	-1682.53	1
9045_9046	9045	9046	239.0595	-43.7175	0	0.2985	4.3695	1696.58	1
9046_9046	9046	9046	-235.155	-42.711	-0.003	0.2835	-4.332	-1695.44	1
9046_9047	9046	9047	239.802	-41.898	0.0075	0.009	4.4355	1690.893	1
9047_9047	9047	9047	-236.183	-49.8165	-0.006	0.105	-4.428	-1695.9	1
9047_9048	9047	9048	232.5585	-35.07	0.0105	0.1875	4.485	1633.356	1
9048_9048	9048	9048	-228.578	-51.7995	-0.0195	0.3795	-4.533	-1639.95	1
9048_9049	9048	9049	223.4775	-33.216	0.024	-0.087	4.707	1562.972	1
9049_9049	9049	9049	-218.748	-59.0385	-0.024	0.2085	-4.8195	-1568.6	1
9049_9050	9049	9050	208.611	-26.9235	0.024	0.0825	4.8405	1454.288	1
9050_9050	9050	9050	-200.444	-61.7775	0.0885	0.4155	-5.112	-1442.36	1
9050_9051	9050	9051	187.1205	-23.223	-0.066	-0.117	3.579	1297.767	1
9051_9051	9051	9051	-162.972	-71.298	0.1005	0.3795	-4.2525	-1298.39	1
9051_9052	9051	9052	159.072	-19.227	-0.0645	-0.0135	3.468	1235.831	1
9052_9052	9052	9052	-139.425	-73.191	0.141	0.5565	-3.399	-1166.6	1
9052_9053	9052	9053	124.8645	-16.3785	-0.0975	-0.1755	2.295	1082.441	1
9053_9053	9053	9053	-86.9445	-79.947	0.1965	0.924	-2.373	-1047.25	1
9053_9054	9053	9054	72.135	-11.568	-0.09	-0.2055	2.235	925.8735	1
9054_9054	9054	9054	-42.495	-85.4295	-0.447	0.831	-0.054	-779.801	1
9054_9055	9054	9055	39.8235	-7.3875	0.123	-0.255	4.4445	675.456	1
9055_9055	9055	9055	-7.977	-92.2065	-0.3825	0.9285	-5.436	-497.883	1
9055_9056	9055	9056	51.783	-6.132	0.0135	0.2565	-1.3425	381.264	1
9056_9056	9056	9056	-165.461	-17.058	0.7245	0.3705	-23.766	-707.672	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9056_9057	9056	9057	126.195	-75.504	-0.5835	0.2205	11.082	594.414	1
9057_9057	9057	9057	-172.491	-20.763	0.6585	-0.0195	-14.3475	-808.967	1
9057_9058	9057	9058	138.513	-70.4205	-0.4845	0.5205	4.8825	719.547	1
9058_9058	9058	9058	-177.47	-24.279	0.6585	-0.333	-8.589	-881.847	1
9058_9059	9058	9059	149.4285	-65.202	-0.438	0.693	0.546	824.826	1
9059_9059	9059	9059	-180.68	-26.901	0.0825	0.405	-2.9295	-943.337	1
9059_9060	9059	9060	159.921	-61.107	-0.0135	0.1395	-0.0735	921.285	1
9060_9060	9060	9060	-182.838	-31.008	0.0825	0.0885	-1.833	-995.772	1
9060_9061	9060	9061	167.7225	-55.494	-0.0075	0.4515	-0.507	990.6675	1
9061_9061	9061	9061	-183.204	-35.5425	0.072	-0.009	-0.8235	-1032.03	1
9061_9062	9061	9062	172.836	-49.995	0.009	0.504	-0.6945	1032.8	1
9062_9062	9062	9062	-182.321	-37.6215	0.024	0.3075	-0.015	-1053.01	1
9062_9063	9062	9063	176.5665	-48.9975	0.0135	0.168	-0.6735	1059.636	1
9063_9063	9063	9063	-181.761	-41.346	0.0075	0.621	0.2295	-1066.23	1
9063_9064	9063	9064	178.5705	-44.9025	0.0285	-0.117	-0.513	1069.634	1
9064_9064	9064	9064	-180.377	-45.3075	0.0225	-0.096	0.348	-1069.18	1
9064_9065	9064	9065	179.187	-40.953	0.015	0.6015	-0.4035	1065.264	1
9065_9065	9065	9065	-177.585	-49.416	0.009	0.1425	0.522	-1057.72	1
9065_9066	9065	9066	179.064	-37.2525	0.0285	0.333	-0.1785	1051.004	1
9066_9066	9066	9066	-173.045	-50.3955	0.0015	0.588	0.564	-1029.34	1
9066_9067	9066	9067	179.094	-35.1915	0.075	-0.09	0.5865	1028.778	1
9067_9067	9067	9067	-166.83	-55.8945	-0.006	0.3135	0.399	-985.079	1
9067_9068	9067	9068	178.0485	-30.6885	0.0765	0.2445	1.4835	992.076	1
9068_9068	9068	9068	-157.974	-61.5135	-0.0195	0.2235	0.057	-913.881	1
9068_9069	9068	9069	175.335	-26.6145	0.087	0.3195	2.55	939.5445	1
9069_9069	9069	9069	-146.417	-65.49	-0.4395	0.603	-0.519	-815.367	1
9069_9070	9069	9070	171.8595	-24.132	0.663	-0.1785	8.1855	879.603	1
9070_9070	9070	9070	-134.675	-70.7055	-0.495	0.561	-4.7895	-709.508	1
9070_9071	9070	9071	166.7895	-20.661	0.675	-0.06	14.016	808.8585	1
9071_9071	9071	9071	-121.337	-75.7935	-0.615	0.2595	-11.3265	-585.288	1
9071_9072	9071	9072	159.645	-17.034	0.7665	0.354	24.2025	713.2425	1
9072_9072	9072	9072	-22.3365	-8.337	0.033	0.1815	-2.187	-348.849	1
9072_9073	9072	9073	2.9475	-91.8105	-0.3885	0.906	5.0715	532.314	1
9073_9073	9073	9073	-23.856	-8.4195	0.033	0.1515	-1.5405	-272.454	1
9073_9074	9073	9074	40.0755	-85.443	-0.4485	0.8775	-0.435	830.0565	1
9074_9074	9074	9074	-65.544	-11.502	-0.1035	-0.0585	-1.944	-936.297	1
9074_9075	9074	9075	88.6695	-80.4915	0.225	0.7365	2.268	1116.791	1
9075_9075	9075	9075	-120.074	-16.014	-0.1155	-0.3165	-2.208	-1102.96	1
9075_9076	9075	9076	147.0735	-74.1135	0.1695	0.6525	3.6255	1251.495	1
9076_9076	9076	9076	-156.938	-18.5595	-0.0645	-0.0495	-3.609	-1273.15	1
9076_9077	9076	9077	174.414	-72.423	0.096	0.4095	4.443	1400.153	1
9077_9077	9077	9077	-163.898	-22.6725	-0.099	-0.225	-5.9595	-1419	1
9077_9078	9077	9078	188.16	-64.575	0.138	0.8595	8.2455	1629.608	1
9078_9078	9078	9078	-185.736	-25.797	0.0375	0.12	-7.6305	-1598.36	1
9078_9079	9078	9079	208.0785	-62.3415	-0.069	0.4755	7.596	1777.286	1
9079_9079	9079	9079	-202.61	-31.617	0.045	-0.279	-7.3665	-1733.32	1
9079_9080	9079	9080	221.406	-55.719	-0.069	0.882	6.837	1874.16	1
9080_9080	9080	9080	-215.579	-32.9985	0.0105	0.1605	-6.819	-1834.39	1
9080_9081	9080	9081	233.079	-54.345	-0.024	0.453	6.6285	1957.739	1
9081_9081	9081	9081	-227.64	-39.231	0.0165	0.039	-6.6825	-1925.82	1
9081_9082	9081	9082	237.6675	-47.7825	-0.0285	0.573	6.3345	1987.401	1
9082_9082	9082	9082	-233.624	-40.251	-0.009	0.4875	-6.3945	-1969.43	1
9082_9083	9082	9083	240.9045	-46.3035	0	0.1065	6.4065	2005.973	1
9083_9083	9083	9083	-238.805	-47.1765	-0.009	0.0915	-6.453	-2005.31	1
9083_9084	9083	9084	236.247	-39.4275	-0.0015	0.4995	6.4185	1964.571	1
9084_9084	9084	9084	-236.055	-48.666	-0.0285	0.705	-6.4575	-1980.51	1
9084_9085	9084	9085	230.7315	-38.4345	0.0165	-0.111	6.6645	1916.331	1
9085_9085	9085	9085	-231.897	-55.233	-0.0285	0.2865	-6.72	-1944.69	1
9085_9086	9085	9086	219.2415	-32.277	0.0135	0.3	6.801	1822.097	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9086_9086	9086	9086	-220.731	-56.604	-0.0735	0.8715	-6.9315	-1855.71	1
9086_9087	9086	9087	206.745	-30.9	0.0495	-0.27	7.3575	1718.72	1
9087_9087	9087	9087	-207.899	-63.222	-0.072	0.4965	-7.6875	-1753.61	1
9087_9088	9087	9088	190.02	-25.1445	0.0405	0.099	7.6335	1581.156	1
9088_9088	9088	9088	-188.537	-65.241	0.108	0.882	-8.3205	-1601.78	1
9088_9089	9088	9089	169.308	-22.4835	-0.0795	-0.2595	6.2865	1408.805	1
9089_9089	9089	9089	-159.699	-73.194	0.0945	0.657	-5.958	-1466.46	1
9089_9090	9089	9090	147.0885	-18.468	-0.0645	-0.054	4.8945	1340.543	1
9090_9090	9090	9090	-135.254	-74.9055	0.195	0.981	-5.1	-1309.62	1
9090_9091	9090	9091	113.0445	-15.738	-0.1305	-0.3885	3.2475	1155.116	1
9091_9091	9091	9091	-91.836	-81.2745	0.2445	0.774	-3.4995	-1105.71	1
9091_9092	9091	9092	69.0675	-10.8015	-0.1125	-0.1245	2.8515	922.9905	1
9092_9092	9092	9092	-44.283	-86.457	-0.54	0.771	-0.516	-812.694	1
9092_9093	9092	9093	29.397	-8.526	0.0165	0.12	0.2295	308.5125	1
9093_9093	9093	9093	-7.6935	-93.096	-0.4725	0.816	-7.0725	-506.034	1
9093_9094	9093	9094	23.5275	-8.373	0.015	0.2325	0.7725	374.8035	1
9094_9094	9094	9094	-165.278	-17.034	0.837	0.3075	-27.1425	-710.928	1
9094_9095	9094	9095	125.088	-75.576	-0.6705	0.2595	12.5295	594.5205	1
9095_9095	9095	9095	-167.459	-20.769	0.951	-0.045	-20.4045	-828.503	1
9095_9096	9095	9096	133.4505	-70.659	-0.6945	0.579	6.816	738.006	1
9096_9096	9096	9096	-171.752	-24.2955	0.933	-0.147	-12.096	-903.257	1
9096_9097	9096	9097	143.5365	-65.367	-0.615	0.6105	0.7155	847.4475	1
9097_9097	9097	9097	-174.365	-26.8035	0.117	0.4095	-4.0755	-966.557	1
9097_9098	9097	9098	153.3915	-61.446	-0.0135	0.162	-0.096	949.2075	1
9098_9098	9098	9098	-176.151	-30.9345	0.114	0.1005	-2.5365	-1022	1
9098_9099	9098	9099	160.6455	-55.779	-0.003	0.468	-0.627	1022.258	1
9099_9099	9099	9099	-176.289	-35.4975	0.0975	-0.0105	-1.1535	-1061	1
9099_9100	9099	9100	165.363	-50.232	0.0195	0.5325	-0.807	1066.997	1
9100_9100	9100	9100	-175.287	-37.4775	0.0495	0.408	-0.0705	-1084.37	1
9100_9101	9100	9101	168.8535	-49.38	0.027	0.0765	-0.7185	1095.989	1
9101_9101	9101	9101	-174.681	-41.214	0.039	0.378	0.3315	-1099.63	1
9101_9102	9101	9102	170.727	-45.2355	0.0375	0.1395	-0.477	1107.584	1
9102_9102	9102	9102	-173.358	-45.207	0.0285	0.3105	0.6075	-1104.62	1
9102_9103	9102	9103	171.195	-41.2305	0.0465	0.2175	-0.108	1103.447	1
9103_9103	9103	9103	-170.624	-49.356	0.0345	-0.117	0.762	-1093.97	1
9103_9104	9103	9104	171.006	-37.494	0.0435	0.6	0.3015	1089.29	1
9104_9104	9104	9104	-166.307	-50.181	0.0165	0.621	0.849	-1066.31	1
9104_9105	9104	9105	170.9325	-35.517	0.1035	-0.105	1.4865	1066.958	1
9105_9105	9105	9105	-160.454	-55.713	0.0045	0.321	0.585	-1023.14	1
9105_9106	9105	9106	169.779	-30.9255	0.108	0.261	2.8965	1028.832	1
9106_9106	9106	9106	-152.076	-61.3935	-0.0165	0.234	0.0465	-951.72	1
9106_9107	9106	9107	166.9695	-26.7735	0.1275	0.33	4.5885	973.7385	1
9107_9107	9107	9107	-141.086	-65.2725	-0.615	0.609	-0.867	-851.403	1
9107_9108	9107	9108	163.3845	-24.2445	0.93	-0.126	12.672	910.3965	1
9108_9108	9108	9108	-129.921	-70.59	-0.6945	0.5655	-7.038	-743.222	1
9108_9109	9108	9109	158.1285	-20.6805	0.9465	-0.0135	21.0225	834.984	1
9109_9109	9109	9109	-120.317	-75.54	-0.687	0.2925	-13.0035	-601.686	1
9109_9110	9109	9110	154.497	-16.896	0.8565	0.2745	28.3155	716.7555	1
9110_9110	9110	9110	-24.3075	-4.686	0.012	0.156	0.048	-259.908	1
9110_9111	9110	9111	-0.5475	-90.351	-0.4905	0.918	8.283	540.234	1
9111_9111	9111	9111	-31.4385	-8.2725	0.186	-0.297	-6.537	-690.95	1
9111_9112	9111	9112	33.693	-83.7705	-0.5595	0.7995	1.6815	821.1945	1
9112_9112	9112	9112	-62.28	-12.213	-0.1035	-0.129	-3.606	-944.102	1
9112_9113	9112	9113	77.892	-78.744	0.219	0.8175	4.455	1086.636	1
9113_9113	9113	9113	-103.892	-17.1135	-0.123	-0.399	-3.828	-1157.74	1
9113_9114	9113	9114	118.0635	-72.543	0.1725	0.9945	5.649	1264.868	1
9114_9114	9114	9114	-134.864	-19.7565	-0.0435	-0.1335	-5.412	-1325.32	1
9114_9115	9114	9115	140.079	-71.0505	0.069	0.7575	6.2835	1404.621	1
9115_9115	9115	9115	-170.705	-23.5965	-0.0405	-0.129	-4.9365	-1300.75	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9115_9116	9115	9116	183.996	-62.304	0.054	0.552	6.0795	1433.97	1
9116_9116	9116	9116	-189.83	-26.475	0.0405	0.1635	-5.712	-1444.88	1
9116_9117	9116	9117	202.122	-60.3495	-0.057	0.2235	5.484	1556.216	1
9117_9117	9117	9117	-204.459	-32.4045	0.0405	-0.2535	-5.3745	-1552.74	1
9117_9118	9117	9118	213.2565	-53.5425	-0.0525	0.639	4.8735	1631.108	1
9118_9118	9118	9118	-214.389	-33.726	0.033	0.309	-4.9065	-1626.36	1
9118_9119	9118	9119	222.786	-52.17	-0.045	0.081	4.3695	1694.24	1
9119_9119	9119	9119	-223.35	-40.0635	0.0315	-0.138	-4.5075	-1691.1	1
9119_9120	9119	9120	224.751	-45.4215	-0.039	0.531	3.8925	1706.75	1
9120_9120	9120	9120	-225.959	-40.8765	0.0195	0.4335	-4.0605	-1712.01	1
9120_9121	9120	9121	225.4455	-44.112	-0.024	-0.033	3.615	1709.858	1
9121_9121	9121	9121	-227.888	-47.964	0.0135	0	-3.7605	-1726.91	1
9121_9122	9121	9122	217.7025	-37.0485	-0.018	0.396	3.378	1656.387	1
9122_9122	9122	9122	-221.328	-49.464	0.012	0.6525	-3.486	-1684.66	1
9122_9123	9122	9123	209.5515	-36.1275	-0.0165	-0.258	3.234	1598.931	1
9123_9123	9123	9123	-213.669	-56.2095	0.003	0.042	-3.297	-1634.06	1
9123_9124	9123	9124	195.2385	-29.8455	-0.0075	0.3375	3.159	1499.282	1
9124_9124	9124	9124	-198.53	-57.447	-0.0195	0.651	-3.1965	-1533.52	1
9124_9125	9124	9125	180.5595	-28.6875	0.0075	-0.24	3.285	1394.805	1
9125_9125	9125	9125	-182.024	-64.2165	-0.0255	0.2625	-3.3885	-1422.92	1
9125_9126	9125	9126	162.0735	-22.893	0.0075	0.1395	3.3195	1261.806	1
9126_9126	9126	9126	-158.625	-66.303	0.1065	0.6165	-3.585	-1265.84	1
9126_9127	9126	9127	139.7625	-20.2485	-0.075	-0.1965	2.2365	1097.424	1
9127_9127	9127	9127	-132.584	-74.1165	0.0885	0.2475	-1.9035	-1074.86	1
9127_9128	9127	9128	124.62	-16.38	-0.0585	0.0285	1.5225	996.066	1
9128_9128	9128	9128	-104.931	-75.276	0.168	0.447	-1.1925	-923.492	1
9128_9129	9128	9129	91.5315	-14.3415	-0.1245	-0.1875	0.153	839.4765	1
9129_9129	9129	9129	-51.825	-81.5955	0.2055	0.5865	0.858	-776.814	1
9129_9130	9129	9130	44.313	-9.996	-0.1065	0.006	-0.75	683.7075	1
9130_9130	9130	9130	-8.7555	-86.3505	-0.4095	0.6315	3.252	-493.185	1
9130_9131	9130	9131	42.609	-8.7405	0.045	0.117	2.382	414.3735	1
9131_9131	9131	9131	22.374	-92.8005	-0.375	0.669	-2.124	-205.161	1
9131_9132	9131	9132	38.1225	-8.421	0.0435	0.087	2.976	492.0735	1
9132_9132	9132	9132	-147.854	-12.918	0.654	0.171	-17.319	-516.66	1
9132_9133	9132	9133	109.797	-77.745	-0.5955	0.3435	8.5485	451.458	1
9133_9133	9133	9133	-159.266	-16.7265	0.594	0.018	-9.897	-629.268	1
9133_9134	9133	9134	126.807	-71.9235	-0.495	0.3195	3.1695	581.7555	1
9134_9134	9134	9134	-167.058	-20.442	0.6075	-0.156	-5.001	-716.607	1
9134_9135	9134	9135	140.661	-66.1935	-0.4575	0.426	-0.8775	699.4845	1
9135_9135	9135	9135	-172.925	-23.7255	0.012	0.18	-0.0135	-792.71	1
9135_9136	9135	9136	153.534	-61.4025	0.024	0.1275	-0.8055	805.6905	1
9136_9136	9136	9136	-177.177	-28.122	0.0135	0.018	0.2655	-857.264	1
9136_9137	9136	9137	162.897	-55.2795	0.0225	0.288	-0.663	882.5115	1
9137_9137	9137	9137	-179.147	-32.9865	0.0075	-0.0375	0.486	-904.307	1
9137_9138	9137	9138	168.7905	-49.29	0.0285	0.3165	-0.4335	929.9295	1
9138_9138	9138	9138	-179.342	-35.3505	-0.0105	0.2865	0.5685	-934.496	1
9138_9139	9138	9139	172.692	-48.0855	0.0195	-0.018	-0.267	958.536	1
9139_9139	9139	9139	-179.295	-39.3525	-0.0045	0.0855	0.4875	-952.962	1
9139_9140	9139	9140	174.474	-43.611	0.0135	0.207	-0.12	969.5715	1
9140_9140	9140	9140	-178.191	-43.6485	-0.0045	0.0435	0.4365	-960.825	1
9140_9141	9140	9141	174.366	-39.306	0.0135	0.237	0.0345	964.4835	1
9141_9141	9141	9141	-175.196	-48.1185	-0.015	0.1875	0.3675	-952.671	1
9141_9142	9141	9142	173.1435	-35.28	0.0225	0.087	0.24	948.1725	1
9142_9142	9142	9142	-169.992	-49.2495	0.0165	0.243	0.2295	-926.424	1
9142_9143	9142	9143	171.393	-32.9535	0.0255	0.054	0.585	921.543	1
9143_9143	9143	9143	-162.519	-55.251	0.003	0.3285	0.195	-883.275	1
9143_9144	9143	9144	167.832	-28.056	0.0375	-0.021	1.083	877.338	1
9144_9144	9144	9144	-151.523	-61.38	0.0015	0.1665	0.0015	-810.357	1
9144_9145	9144	9145	161.9595	-23.622	0.036	0.15	1.6215	814.992	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9145_9145	9145	9145	-137.018	-65.9895	-0.3465	0.3495	-0.2745	-707.873	1
9145_9146	9145	9146	154.6815	-20.517	0.4965	-0.072	5.787	741.744	1
9146_9146	9146	9146	-121.727	-71.7225	-0.393	0.4035	-3.564	-594.648	1
9146_9147	9146	9147	145.362	-16.7565	0.5085	-0.117	10.0845	656.0685	1
9147_9147	9147	9147	-103.017	-77.5125	-0.447	0.3345	-7.8945	-469.581	1
9147_9148	9147	9148	131.2725	-12.8535	0.5295	0.195	16.113	547.977	1
9148_9148	9148	9148	-46.968	-5.0985	0.018	0.078	-0.5745	-379.749	1
9148_9149	9148	9149	-30.3975	-87.8985	-0.3225	0.723	2.928	334.929	1
9149_9149	9149	9149	-13.761	-8.859	0.102	-0.099	-2.778	-545.367	1
9149_9150	9149	9150	-1.7565	-81.4905	-0.3765	0.645	-1.773	584.157	1
9150_9150	9150	9150	-39.528	-12.8385	-0.0825	-0.1395	-0.6315	-765.146	1
9150_9151	9150	9151	36.738	-76.5855	0.171	0.7755	0.189	821.496	1
9151_9151	9151	9151	-85.1805	-17.124	-0.0945	-0.054	-1.008	-888.488	1
9151_9152	9151	9152	85.3005	-70.5555	0.1275	0.366	1.6155	920.151	1
9152_9152	9152	9152	-113.649	-19.6185	-0.0405	-0.0675	-2.0085	-1018.92	1
9152_9153	9152	9153	107.7315	-69.168	0.0735	0.354	2.1885	1040.84	1
9153_9153	9153	9153	-138.771	-23.3655	-0.0375	-0.0165	-1.9875	-1064.85	1
9153_9154	9153	9154	142.089	-60.4845	0.0555	0.2445	2.6295	1149.389	1
9154_9154	9154	9154	-154.772	-26.8935	0.009	0.075	-2.598	-1185.1	1
9154_9155	9154	9155	159.396	-57.687	-0.0045	0.1395	2.553	1254.923	1
9155_9155	9155	9155	-166.337	-32.9985	0.0045	-0.0405	-2.5545	-1269.74	1
9155_9156	9155	9156	169.3125	-50.604	0.0015	0.2535	2.529	1313.981	1
9156_9156	9156	9156	-173.247	-35.169	0.0105	0.1425	-2.532	-1322.44	1
9156_9157	9156	9157	176.787	-48.8505	-0.003	0.072	2.4645	1356.116	1
9157_9157	9157	9157	-178.167	-41.2005	0.006	0.0165	-2.46	-1359.22	1
9157_9158	9157	9158	178.149	-42.5295	0.003	0.1995	2.4675	1359.905	1
9158_9158	9158	9158	-177.803	-42.834	0.003	0.2055	-2.4375	-1361.81	1
9158_9159	9158	9159	178.389	-40.929	0.0075	0.009	2.5215	1354.577	1
9159_9159	9159	9159	-176.333	-49.1385	-0.0045	0.0795	-2.4615	-1355.25	1
9159_9160	9159	9160	173.283	-34.89	0.012	0.135	2.622	1315.008	1
9160_9160	9160	9160	-168.794	-51.0045	0.0015	0.231	-2.556	-1310.52	1
9160_9161	9160	9161	166.0125	-32.6475	0.003	-0.0105	2.643	1258.659	1
9161_9161	9161	9161	-158.693	-58.0695	0.0015	0.189	-2.5935	-1248	1
9161_9162	9161	9162	153.9315	-26.5335	0.003	0.033	2.631	1169.885	1
9162_9162	9162	9162	-141.156	-60.9435	0.0645	0.243	-2.6205	-1138.78	1
9162_9163	9162	9163	137.2155	-22.9725	-0.0465	-0.0075	1.9275	1044.738	1
9163_9163	9163	9163	-108.276	-69.5865	0.0795	0.378	-1.914	-1016.04	1
9163_9164	9163	9164	113.5725	-19.182	-0.048	-0.093	1.7325	986.8905	1
9164_9164	9164	9164	-85.4055	-71.1435	0.1245	0.363	-1.293	-892.859	1
9164_9165	9164	9165	84.525	-16.5945	-0.093	-0.06	0.7785	852.8445	1
9165_9165	9165	9165	-41.0865	-77.07	0.15	0.579	0.1275	-762.969	1
9165_9166	9165	9166	42.315	-12.228	-0.0735	-0.096	0.3465	704.334	1
9166_9166	9166	9166	-0.4215	-82.2525	-0.318	0.486	1.8375	-526.502	1
9166_9167	9166	9167	15.156	-8.2035	0.084	-0.1185	2.1975	490.0815	1
9167_9167	9167	9167	29.787	-88.683	-0.2745	0.5385	-2.1825	-276.744	1
9167_9168	9167	9168	54.063	-5.5005	0.012	0.0765	0.669	418.6665	1
9168_9168	9168	9168	-136.455	-12.876	0.462	0.132	-13.635	-519.548	1
9168_9169	9168	9169	106.314	-77.5245	-0.3915	0.2805	6.7335	442.311	1
9169_9169	9169	9169	-150.014	-16.698	0.3825	-0.1125	-7.317	-627.713	1
9169_9170	9169	9170	125.031	-71.8695	-0.297	0.3765	2.598	569.7315	1
9170_9170	9170	9170	-159.723	-20.379	0.3735	-0.075	-4.1145	-710.885	1
9170_9171	9170	9171	141.036	-66.2025	-0.2625	0.3285	0.1485	682.5735	1
9171_9171	9171	9171	-167.373	-23.544	0.042	0.0615	-1.008	-782.732	1
9171_9172	9171	9172	156.1035	-61.4655	-0.0105	0.2235	-0.1035	784.809	1
9172_9172	9172	9172	-173.555	-27.9105	0.0315	0.1275	-0.5295	-844.253	1
9172_9173	9172	9173	167.436	-55.3875	0	0.1665	-0.2235	858.2955	1
9173_9173	9173	9173	-177.327	-32.7345	0.0315	-0.0435	-0.168	-888.578	1
9173_9174	9173	9174	175.1175	-49.434	0.0015	0.3105	-0.2775	903.426	1
9174_9174	9174	9174	-179.328	-35.3025	0.0075	0.123	0.144	-917.112	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9174_9175	9174	9175	180.2025	-48.0105	0.0015	0.1215	-0.267	929.97	1
9175_9175	9175	9175	-180.504	-39.291	0	0.2655	0.2085	-933.78	1
9175_9176	9175	9176	182.982	-43.5855	0.009	-0.0105	-0.2025	939.129	1
9176_9176	9176	9176	-180.507	-43.5585	0.0045	0.0705	0.225	-939.81	1
9176_9177	9176	9177	183.7845	-39.321	0.0045	0.1905	-0.156	932.946	1
9177_9177	9177	9177	-178.539	-47.982	0.0045	0.0345	0.258	-930.449	1
9177_9178	9177	9178	183.4395	-35.3445	0.006	0.2085	-0.0975	916.437	1
9178_9178	9178	9178	-174.311	-49.4955	-0.0015	0.3135	0.267	-903.95	1
9178_9179	9178	9179	182.4795	-32.751	0.036	-0.0495	0.2535	887.88	1
9179_9179	9179	9179	-167.676	-55.4445	-0.003	0.171	0.174	-858.195	1
9179_9180	9179	9180	179.7435	-27.9525	0.0345	0.12	0.654	843.8205	1
9180_9180	9180	9180	-157.401	-61.512	-0.0135	0.2295	0.012	-784.182	1
9180_9181	9180	9181	174.612	-23.6115	0.0465	0.0555	1.1715	782.9295	1
9181_9181	9181	9181	-143.402	-66.282	-0.258	0.3615	-0.2865	-681.603	1
9181_9182	9181	9182	167.9685	-20.4375	0.366	-0.099	4.221	711.867	1
9182_9182	9182	9182	-128.421	-71.937	-0.288	0.3315	-2.706	-568.458	1
9182_9183	9182	9183	159.333	-16.785	0.369	-0.0375	7.314	630.1755	1
9183_9183	9183	9183	-111.261	-77.5275	-0.3675	0.336	-6.3885	-438.558	1
9183_9184	9183	9184	147.7875	-13.0065	0.432	0.0525	12.804	521.094	1
9184_9184	9184	9184	-34.3395	-7.3575	0.0165	0.0885	-0.7485	-366.384	1
9184_9185	9184	9185	-19.179	-91.179	-0.2535	0.558	2.004	263.433	1
9185_9185	9185	9185	-36.222	-7.719	0.018	0.0705	-0.4995	-296.223	1
9185_9186	9185	9186	14.8755	-84.645	-0.294	0.5025	-1.764	537.759	1
9186_9186	9186	9186	-50.22	-11.1135	-0.0705	-0.069	-0.387	-691.883	1
9186_9187	9186	9187	60.6075	-79.0755	0.1455	0.543	-0.1275	798.8475	1
9187_9187	9187	9187	-95.7045	-15.5805	-0.0915	-0.078	-0.795	-857.84	1
9187_9188	9187	9188	109.5165	-72.7635	0.123	0.3615	1.251	949.635	1
9188_9188	9188	9188	-128.828	-18.5025	-0.0435	-0.06	-1.743	-1007.46	1
9188_9189	9188	9189	135.234	-70.494	0.081	0.381	1.86	1083.416	1
9189_9189	9189	9189	-150.345	-22.5675	-0.0465	-0.0165	-1.9425	-1130.39	1
9189_9190	9189	9190	166.3395	-61.9995	0.072	0.318	2.691	1280.891	1
9190_9190	9190	9190	-171.066	-26.4825	-0.0045	0.018	-2.673	-1281	1
9190_9191	9190	9191	185.1585	-58.6545	0.018	0.312	2.847	1401.843	1
9191_9191	9191	9191	-185.819	-32.6325	-0.0045	0.0435	-2.8125	-1386.61	1
9191_9192	9191	9192	196.26	-51.579	0.015	0.2865	2.976	1471.817	1
9192_9192	9192	9192	-195.627	-35.244	0	0.195	-2.9265	-1457.39	1
9192_9193	9192	9193	204.0375	-49.4685	0.0135	0.114	3.072	1518.995	1
9193_9193	9193	9193	-202.416	-41.2875	-0.006	0.0345	-3.0045	-1505.89	1
9193_9194	9193	9194	205.6065	-43.2135	0.018	0.2775	3.225	1525.293	1
9194_9194	9194	9194	-203.643	-43.3815	-0.0045	0.2925	-3.1395	-1517.07	1
9194_9195	9194	9195	205.443	-41.208	0.015	0.0135	3.3435	1518.704	1
9195_9195	9195	9195	-202.952	-49.6695	-0.0105	0.132	-3.2685	-1514.04	1
9195_9196	9195	9196	200.0025	-35.2815	0.0195	0.1755	3.495	1476.641	1
9196_9196	9196	9196	-196.041	-51.936	0.006	0.3765	-3.453	-1470.06	1
9196_9197	9196	9197	191.802	-32.748	0.0045	-0.0735	3.4755	1413.956	1
9197_9197	9197	9197	-185.798	-58.9695	0.0015	0.2295	-3.4665	-1402.96	1
9197_9198	9197	9198	178.845	-26.7735	0.009	0.075	3.474	1318.284	1
9198_9198	9198	9198	-168.207	-62.3835	0.0795	0.4035	-3.525	-1287.34	1
9198_9199	9198	9199	160.284	-22.9545	-0.057	-0.0975	2.5305	1180.193	1
9199_9199	9199	9199	-137.246	-71.115	0.0855	0.4095	-2.637	-1095.68	1
9199_9200	9199	9200	137.9895	-19.0245	-0.0495	-0.0285	2.2995	1060.562	1
9200_9200	9200	9200	-113.316	-73.6575	0.1035	0.5505	-1.95	-970.439	1
9200_9201	9200	9201	105.5925	-15.7935	-0.0825	-0.162	1.4295	918.51	1
9201_9201	9201	9201	-62.376	-80.0175	0.1665	0.8205	-1.1595	-854.876	1
9201_9202	9201	9202	56.58	-11.424	-0.0855	-0.156	1.4775	780.7995	1
9202_9202	9202	9202	-19.8735	-85.521	-0.4335	0.753	0.8145	-601.74	1
9202_9203	9202	9203	26.8305	-7.329	0.114	-0.183	3.6825	550.677	1
9203_9203	9203	9203	12.399	-91.833	-0.366	0.873	-4.4085	-335.322	1
9203_9204	9203	9204	30.456	-6.4605	0.021	0.081	0.4215	337.8345	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9204_9204	9204	9204	-155.54	-15.846	0.6525	0.2115	-20.9085	-609.474	1
9204_9205	9204	9205	117.525	-76.8	-0.525	0.33	9.9225	499.449	1
9205_9205	9205	9205	-165.24	-19.4715	0.594	-0.126	-12.729	-723.323	1
9205_9206	9205	9206	133.017	-71.5515	-0.438	0.4605	4.482	635.079	1
9206_9206	9206	9206	-171.854	-22.9335	0.5835	-0.1995	-7.602	-796.781	1
9206_9207	9206	9207	146.3565	-66.2595	-0.387	0.483	0.6615	743.9955	1
9207_9207	9207	9207	-176.727	-26.0025	0.1065	0.2685	-2.628	-860.099	1
9207_9208	9207	9208	158.952	-61.629	-0.0375	0.072	-0.0735	842.994	1
9208_9208	9208	9208	-180.231	-30.1155	0.105	0.1065	-1.4265	-912.965	1
9208_9209	9208	9209	168.582	-55.9335	-0.0285	0.2475	-0.588	916.077	1
9209_9209	9209	9209	-181.812	-34.6575	0.1035	-0.0855	-0.3195	-950.489	1
9209_9210	9209	9210	175.2435	-50.343	-0.018	0.399	-0.885	963.1605	1
9210_9210	9210	9210	-182.054	-36.9525	0.0015	0.438	0.66	-973.947	1
9210_9211	9210	9211	179.877	-49.071	0.0255	-0.1965	-0.717	992.802	1
9211_9211	9211	9211	-182.216	-40.704	0.0075	0.258	0.7125	-988.545	1
9211_9212	9211	9212	182.649	-44.9025	0.0195	0.0315	-0.543	1006.667	1
9212_9212	9212	9212	-181.533	-44.7165	0.0135	0.048	0.768	-993.923	1
9212_9213	9212	9213	183.7995	-40.89	0.0135	0.246	-0.3795	1006.395	1
9213_9213	9213	9213	-179.235	-48.8835	0.018	-0.1785	0.831	-985.077	1
9213_9214	9213	9214	184.0845	-37.1415	0.0075	0.4335	-0.228	997.0065	1
9214_9214	9214	9214	-175.077	-50.232	-0.0345	0.489	0.885	-960.393	1
9214_9215	9214	9215	184.4565	-34.9125	0.1185	-0.264	0.9345	980.958	1
9215_9215	9215	9215	-168.998	-55.788	-0.0375	0.2415	0.36	-919.472	1
9215_9216	9215	9216	183.4905	-30.402	0.1125	0.0585	2.1675	951.3735	1
9216_9216	9216	9216	-159.995	-61.467	-0.0405	-0.0375	-0.3195	-852.887	1
9216_9217	9216	9217	180.618	-26.3205	0.105	0.339	3.4005	906.9765	1
9217_9217	9217	9217	-148.055	-65.7795	-0.4005	0.5805	-1.149	-760.617	1
9217_9218	9217	9218	176.808	-23.7825	0.555	-0.438	8.1885	855.2415	1
9218_9218	9218	9218	-135.641	-70.983	-0.42	0.3255	-5.0895	-660.54	1
9218_9219	9218	9219	171.315	-20.3265	0.5295	-0.012	12.7845	794.1735	1
9219_9219	9219	9219	-121.517	-76.101	-0.4665	0.2145	-9.669	-532.724	1
9219_9220	9219	9220	163.1055	-16.716	0.537	0.216	18.7365	693.9735	1
9220_9220	9220	9220	-28.578	-10.7025	-0.015	0.2865	1.6545	-337.496	1
9220_9221	9220	9221	14.3895	-88.3905	-0.27	0.594	4.728	578.9745	1
9221_9221	9221	9221	-28.0245	-10.992	-0.0135	0.1155	1.545	-241.748	1
9221_9222	9221	9222	52.356	-81.5175	-0.315	0.66	0.8175	841.5705	1
9222_9222	9222	9222	-76.6455	-14.1585	-0.0465	0.1485	-2.688	-918.708	1
9222_9223	9222	9223	99.564	-75.2355	0.1365	0.252	2.295	1080.399	1
9223_9223	9223	9223	-131.067	-19.311	-0.06	-0.357	-2.0205	-1047.18	1
9223_9224	9223	9224	153.309	-68.19	0.1005	0.558	2.562	1161.885	1
9224_9224	9224	9224	-165.366	-23.079	-0.0225	0.2115	-2.718	-1181.77	1
9224_9225	9224	9225	175.5165	-65.133	0.0435	0.012	2.9085	1268.099	1
9225_9225	9225	9225	-171.834	-27.756	-0.036	-0.2565	-3.2115	-1352.01	1
9225_9226	9225	9226	184.0095	-55.74	0.0585	0.612	3.993	1489.253	1
9226_9226	9226	9226	-187.035	-32.913	0.009	0.378	-3.864	-1478.89	1
9226_9227	9226	9227	194.2215	-51.621	-0.0135	-0.036	3.8385	1563.266	1
9227_9227	9227	9227	-195.155	-39.6945	0.0045	-0.1845	-3.8325	-1548.95	1
9227_9228	9227	9228	196.707	-44.3355	-0.006	0.5355	3.7185	1579.961	1
9228_9228	9228	9228	-197.283	-43.332	0.0135	0.534	-3.7755	-1573.7	1
9228_9229	9228	9229	195.8475	-40.842	-0.0165	-0.1965	3.4965	1569.884	1
9229_9229	9229	9229	-195.5	-50.592	0.0075	-0.0345	-3.627	-1568.27	1
9229_9230	9229	9230	188.8155	-34.1025	-0.0105	0.375	3.288	1512.683	1
9230_9230	9230	9230	-186.137	-54.6615	0.045	0.6885	-3.4995	-1506.72	1
9230_9231	9230	9231	178.785	-30.558	-0.0285	-0.393	2.85	1429.998	1
9231_9231	9231	9231	-172.179	-62.4165	0.039	0.2505	-2.9235	-1409.73	1
9231_9232	9231	9232	167.8485	-25.86	-0.0195	0.0765	2.625	1341.657	1
9232_9232	9232	9232	-154.217	-68.3175	0.042	-0.3135	-4.197	-1308.9	1
9232_9233	9232	9233	160.626	-24.264	-0.0135	0.51	4.2495	1317.021	1
9233_9233	9233	9233	-146.924	-67.824	0.246	0.5745	-4.065	-1266.91	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9233_9234	9233	9234	139.956	-21.8955	-0.1785	-0.378	2.583	1213.817	1
9234_9234	9234	9234	-120.158	-73.6995	0.2355	0.3135	-1.806	-1135.57	1
9234_9235	9234	9235	119.13	-18.477	-0.1485	-0.0675	1.6815	1122.849	1
9235_9235	9235	9235	-73.887	-78.126	0.336	0.075	-0.2985	-1130.37	1
9235_9236	9235	9236	81.09	-16.734	-0.1815	0.486	1.9245	1144.443	1
9236_9236	9236	9236	-54.741	-80.3505	0.2385	0.9555	1.5255	-1015.74	1
9236_9237	9236	9237	56.319	-13.641	-0.4335	-0.3645	-1.3755	975.4215	1
9237_9237	9237	9237	-26.4705	-85.4745	0.2685	0.207	3.552	-817.125	1
9237_9238	9237	9238	26.9385	-12.852	0.0435	0.333	0.051	346.062	1
9238_9238	9238	9238	-3.531	-83.9745	-1.1145	1.9215	6.387	-603.54	1
9238_9239	9238	9239	27.438	-13.2675	0.4215	-0.0135	3.918	435.3885	1
9239_9239	9239	9239	11.9835	-88.473	-1.0665	1.9005	-3.231	-417.236	1
9239_9240	9239	9240	27.9405	-13.2045	0.4215	0.0885	5.5995	476.577	1
9240_9240	9240	9240	-182.757	-29.7705	-0.624	-2.715	-19.1325	-924.039	1
9240_9241	9240	9241	135.216	-65.6205	0.3045	2.8305	16.8315	666.0105	1
9241_9241	9241	9241	-181.602	-23.934	0.5475	1.0215	-22.557	-936.044	1
9241_9242	9241	9242	138.681	-72.423	-0.285	-0.3915	15.2295	706.8165	1
9242_9242	9242	9242	-183.287	-25.2675	0.534	0.591	-19.3905	-957.59	1
9242_9243	9242	9243	152.298	-64.8495	-0.1875	0.0885	9.507	853.968	1
9243_9243	9243	9243	-185.915	-31.116	0.5085	-0.0615	-12.309	-1031.65	1
9243_9244	9243	9244	160.2555	-59.286	-0.141	0.5565	7.101	937.869	1
9244_9244	9244	9244	-184.545	-30.4425	0.501	0.7245	-7.809	-1056.91	1
9244_9245	9244	9245	172.158	-58.407	-0.5145	-0.075	1.011	1048.418	1
9245_9245	9245	9245	-185.69	-35.706	0.5775	0.057	-2.196	-1106.34	1
9245_9246	9245	9246	179.46	-52.4325	-0.495	0.5655	-3.852	1110.08	1
9246_9246	9246	9246	-185.166	-39.3105	-0.057	0.6255	3.612	-1130.29	1
9246_9247	9246	9247	185.7945	-47.427	0.0285	-0.081	-3.1335	1154.072	1
9247_9247	9247	9247	-184.149	-45.561	-0.012	-0.168	3.372	-1143.17	1
9247_9248	9247	9248	188.445	-41.871	-0.018	0.705	-2.922	1158.738	1
9248_9248	9248	9248	-180.999	-49.5495	-0.111	0.6165	3.501	-1125.49	1
9248_9249	9248	9249	190.5	-38.235	0.1935	-0.1125	-0.5595	1150.347	1
9249_9249	9249	9249	-176.165	-55.587	-0.1035	0.0585	2.277	-1085.19	1
9249_9250	9249	9250	191.274	-32.94	0.1695	0.507	1.893	1121.306	1
9250_9250	9250	9250	-167.73	-60.441	-0.6465	0.564	0.7605	-1004.44	1
9250_9251	9250	9251	190.9455	-29.9295	0.888	-0.09	11.604	1082.037	1
9251_9251	9251	9251	-157.971	-66.642	-0.711	0.087	-7.194	-903.023	1
9251_9252	9251	9252	187.872	-25.5825	0.8385	0.495	20.613	1019.241	1
9252_9252	9252	9252	-146.411	-67.536	0.585	2.8755	-16.2195	-776.685	1
9252_9253	9252	9253	187.536	-28.6215	-0.789	-3.072	18.306	1003.829	1
9253_9253	9253	9253	-144.507	-69.279	0.615	2.724	-14.3745	-742.965	1
9253_9254	9253	9254	185.679	-24.4425	-0.807	-2.6025	10.335	948.0075	1
9254_9254	9254	9254	-22.5345	-15.423	1.5825	-3.0615	-4.4025	-598.61	1
9254_9255	9254	9255	10.602	-78.3165	-1.8375	3.771	-15.1755	632.8395	1
9255_9255	9255	9255	-46.8165	-11.724	0.1185	0.3645	0.9135	-363.938	1
9255_9256	9255	9256	35.2785	-82.2675	0.9555	0.228	-3.705	853.962	1
9256_9256	9256	9256	-63.84	-15.687	-1.0125	-0.3405	4.677	-997.344	1
9256_9257	9256	9257	65.598	-76.281	0.9255	1.0665	6.879	1050.635	1
9257_9257	9257	9257	-91.29	-17.1225	0.1305	0.408	-6.738	-1166.21	1
9257_9258	9257	9258	80.472	-78.51	-0.1395	0.069	6.2475	1138.307	1
9258_9258	9258	9258	-125.786	-18.3555	0.0825	0.009	-3.9705	-1122.88	1
9258_9259	9258	9259	134.934	-72.3405	-0.078	0.2235	3.2355	1181.886	1
9259_9259	9259	9259	-154.32	-23.094	0.081	-0.2865	-3.141	-1245.95	1
9259_9260	9259	9260	153.5565	-68.082	-0.0615	0.4665	2.8515	1276.461	1
9260_9260	9260	9260	-168.351	-24.7275	-0.024	0.5145	-2.5815	-1318.03	1
9260_9261	9260	9261	160.731	-67.9815	0.0225	-0.3525	2.997	1319.594	1
9261_9261	9261	9261	-180.653	-26.367	-0.027	0.141	-2.01	-1274.52	1
9261_9262	9261	9262	186.3885	-60.468	0.024	0.09	2.7465	1369.089	1
9262_9262	9262	9262	-194.235	-32.37	-0.036	-0.336	-2.3775	-1376.67	1
9262_9263	9262	9263	196.548	-54.2745	0.033	0.5295	3.207	1440.375	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9263_9263	9263	9263	-201.312	-35.0505	-0.0285	0.258	-2.799	-1434.65	1
9263_9264	9263	9264	204.6495	-49.8195	0.003	-0.0195	3.42	1497.294	1
9264_9264	9264	9264	-207.642	-41.958	-0.0285	-0.0495	-3.204	-1488.67	1
9264_9265	9264	9265	204.711	-42.846	0.003	0.288	3.5085	1499.876	1
9265_9265	9265	9265	-206.543	-45.9165	-0.003	0.3705	-3.5115	-1493.19	1
9265_9266	9265	9266	202.1415	-38.8905	-0.0105	-0.1335	3.3945	1481.426	1
9266_9266	9266	9266	-201.605	-53.277	-0.006	0.0825	-3.5265	-1471.38	1
9266_9267	9266	9267	193.2675	-32.5575	-0.009	0.1575	3.2295	1419.069	1
9267_9267	9267	9267	-189.171	-57.7275	0.0915	0.471	-3.4905	-1399.1	1
9267_9268	9267	9268	187.293	-31.6125	-0.075	-0.279	2.6955	1375.898	1
9268_9268	9268	9268	-180	-61.8555	0.0915	0.3885	-2.8425	-1343.46	1
9268_9269	9268	9269	179.367	-28.0785	-0.0675	-0.162	2.244	1318.814	1
9269_9269	9269	9269	-153.836	-66.39	0.117	0.237	-2.961	-1392.3	1
9269_9270	9269	9270	146.4465	-23.5185	-0.0705	0.072	2.4465	1335.887	1
9270_9270	9270	9270	-129.48	-70.395	0.1965	0.699	-1.8	-1264.68	1
9270_9271	9270	9271	119.064	-20.6355	-0.1275	-0.42	1.416	1219.082	1
9271_9271	9271	9271	-77.268	-76.278	0.2865	0.84	0.1215	-1223.86	1
9271_9272	9271	9272	78.126	-18.006	-0.159	-0.2565	1.521	1210.019	1
9272_9272	9272	9272	-52.329	-80.595	0.2535	0.2085	1.962	-1082.41	1
9272_9273	9272	9273	64.743	-16.2345	-0.126	0.291	1.389	1124.183	1
9273_9273	9273	9273	-36.7575	-82.2195	-0.5265	1.0035	2.9025	-985.839	1
9273_9274	9273	9274	31.65	-12.669	-0.027	0.045	-1.995	339.96	1
9274_9274	9274	9274	-5.4045	-87.705	-0.441	0.6495	-3.405	-737.523	1
9274_9275	9274	9275	33.732	-12.351	-0.0345	0.366	-2.406	468.648	1
9275_9275	9275	9275	-182.009	-22.296	0.759	0.12	-28.2075	-968.484	1
9275_9276	9275	9276	135.288	-73.0935	-0.486	0.3465	15.447	696.756	1
9276_9276	9276	9276	-183.69	-24.378	0.756	-0.1365	-23.781	-1001.88	1
9276_9277	9276	9277	139.356	-70.3185	-0.4605	0.534	11.9925	746.736	1
9277_9277	9277	9277	-185.46	-26.481	0.687	-0.5265	-17.772	-1013.11	1
9277_9278	9277	9278	148.44	-64.4955	-0.357	0.7065	5.3475	826.6575	1
9278_9278	9278	9278	-186.579	-28.6455	0.2265	0.7215	-10.485	-1054.23	1
9278_9279	9278	9279	159.771	-60.1965	-0.048	-0.1215	2.8485	932.709	1
9279_9279	9279	9279	-186.14	-34.182	0.243	-0.1875	-6.972	-1090.21	1
9279_9280	9279	9280	167.8005	-52.6755	-0.0435	0.6285	0.852	997.8885	1
9280_9280	9280	9280	-182.727	-36.54	-0.0585	0.7575	-3.4785	-1095.82	1
9280_9281	9280	9281	176.0295	-49.6965	0.1425	-0.2085	1.6095	1051.878	1
9281_9281	9281	9281	-180.857	-43.1535	-0.0405	-0.096	-3.7035	-1103.52	1
9281_9282	9281	9282	180.123	-42.2595	0.099	0.6105	1.914	1057.106	1
9282_9282	9282	9282	-162.237	-48.1965	0.2595	0.819	-7.434	-1133.17	1
9282_9283	9282	9283	171.783	-38.5125	0.114	-0.411	3.0345	1105.131	1
9283_9283	9283	9283	-156.375	-56.052	0.291	-0.5175	-4.1055	-1065.22	1
9283_9284	9283	9284	175.3155	-32.862	0.0915	0.966	3.4875	1074.329	1
9284_9284	9284	9284	-148.182	-58.7895	-0.5565	0.6675	-1.479	-954.393	1
9284_9285	9284	9285	180.0405	-32.1405	1.518	-0.2625	19.2435	1058.213	1
9285_9285	9285	9285	-141.84	-65.037	-0.735	-0.018	-10.251	-852.75	1
9285_9286	9285	9286	182.292	-27.951	1.5525	0.6315	35.313	1023.042	1
9286_9286	9286	9286	-134.612	-67.266	0.957	1.8345	-21.867	-733.617	1
9286_9287	9286	9287	183.942	-30.4665	-1.5255	-1.5825	30.24	1015.334	1
9287_9287	9287	9287	-133.328	-69.5475	1.0755	2.1735	-20.523	-705.854	1
9287_9288	9287	9288	187.3275	-26.805	-1.647	-1.752	17.7975	1010.352	1
9288_9288	9288	9288	-22.641	-14.022	2.4195	-2.925	-3.876	-606.234	1
9288_9289	9288	9289	25.014	-83.4015	-2.9025	3.3795	-21.2745	777.003	1
9289_9289	9289	9289	-38.727	-9.585	-1.4835	0.7305	22.4355	-839.589	1
9289_9290	9289	9290	56.07	-87.6075	1.4325	0.0525	-2.2155	1133.837	1
9290_9290	9290	9290	-64.8825	-14.0865	-1.5435	-0.4335	4.452	-1142.95	1
9290_9291	9290	9291	88.8285	-81.552	1.362	1.056	14.229	1444.136	1
9291_9291	9291	9291	-91.6935	-15.5415	0.255	0.981	-13.95	-1408.74	1
9291_9292	9291	9292	100.941	-83.9415	-0.0645	-0.66	14.025	1558.551	1
9292_9292	9292	9292	-118.898	-17.1375	0.159	0.0225	-8.898	-1395.54	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9292_9293	9292	9293	141.663	-79.035	-0.0225	0.243	9.4515	1640.043	1
9293_9293	9293	9293	-137.151	-20.8455	0.138	-0.513	-8.019	-1566.15	1
9293_9294	9293	9294	159.1005	-74.598	-0.0075	0.7515	9.5655	1824.516	1
9294_9294	9294	9294	-151.214	-19.458	0.1545	1.1175	-7.473	-1724.15	1
9294_9295	9294	9295	167.997	-78.348	-0.2505	-1.0125	8.7375	1923.753	1
9295_9295	9295	9295	-135.18	-21.36	0.2535	0.1245	-10.935	-1950.41	1
9295_9296	9295	9296	160.0275	-73.389	-0.39	0.333	9.9525	2314.745	1
9296_9296	9296	9296	-150.797	-26.016	0.303	-1.425	-8.76	-2172.32	1
9296_9297	9296	9297	171.9105	-68.8545	-0.387	1.8915	6.9555	2481.347	1
9297_9297	9297	9297	-162.131	-26.0565	-0.003	1.1445	-6.279	-2333.08	1
9297_9298	9297	9298	187.3995	-66.9735	-0.1035	-0.8205	6.2205	2697.738	1
9298_9298	9298	9298	-177.962	-31.674	0.015	-1.3815	-6.183	-2557.11	1
9298_9299	9298	9299	197.361	-60.984	-0.12	1.8675	5.0595	2836.913	1
9299_9299	9299	9299	-189.69	-32.4285	0.0315	1.5795	-5.634	-2723.21	1
9299_9300	9299	9300	206.157	-60.0795	-0.102	-1.287	4.05	2958.989	1
9300_9300	9300	9300	-201.008	-38.0055	0.042	-1.11	-4.8855	-2882.94	1
9300_9301	9300	9301	210.384	-52.722	-0.111	1.5135	2.571	3016.5	1
9301_9301	9301	9301	-209.178	-39.7245	0.069	2.0985	-3.6045	-2998.83	1
9301_9302	9301	9302	211.485	-51.051	-0.1245	-1.782	1.1505	3029.163	1
9302_9302	9302	9302	-214.782	-46.1475	0.075	-1.371	-2.1705	-3077.99	1
9302_9303	9302	9303	206.205	-44.019	-0.1245	1.611	-0.3435	2951.639	1
9303_9303	9303	9303	-214.946	-47.463	0.057	2.0775	-0.537	-3080.69	1
9303_9304	9303	9304	196.671	-41.256	-0.099	-1.605	-1.3695	2812.458	1
9304_9304	9304	9304	-212.243	-54.6645	0.063	-0.915	0.798	-3042.34	1
9304_9305	9304	9305	181.302	-34.2165	-0.099	1.0755	-2.2605	2590.988	1
9305_9305	9305	9305	-203.922	-56.5905	-0.0165	2.7615	2.055	-2924.81	1
9305_9306	9305	9306	161.4615	-30.8055	-0.036	-2.022	-2.193	2304.944	1
9306_9306	9306	9306	-192.408	-63.387	-0.012	-0.5355	2.259	-2761.52	1
9306_9307	9306	9307	129.633	-22.0815	-0.0465	0.6015	-2.2155	1847.807	1
9307_9307	9307	9307	-171.413	-67.8675	-0.174	2.0895	2.6025	-2464.02	1
9307_9308	9307	9308	93.933	-16.17	0.0285	-0.9885	-1.155	1335.972	1
9308_9308	9308	9308	-145.379	-75.9285	-0.1455	0.3855	1.02	-2094.62	1
9308_9309	9308	9309	58.881	-9.162	-0.003	0.0315	-0.822	837.0225	1
9309_9309	9309	9309	-110.889	-82.1655	-0.2955	1.77	0.138	-1605.22	1
9309_9310	9309	9310	-3.459	-7.65	-0.3555	0.309	-8.631	-60.1095	1
9310_9310	9310	9310	-67.1295	-91.182	-0.249	0.5685	-2.3355	-984.05	1
9310_9311	9310	9311	1.3335	-7.65	-0.357	0.249	-12.7875	6.258	1
9311_9311	9311	9311	-13.749	-100.775	1.017	0.5835	-3.372	-227.022	1
9311_9312	9311	9312	2.802	-7.98	3.918	-0.714	0	25.455	1
9400_9020	9400	9020	84.4845	-32.5755	-21.5775	-1.332	155.748	-1018.26	1
9400_9401	9400	9401	-59.775	-2.9745	-2.733	-0.1425	39.942	-267.779	1
9401_9401	9401	9401	80.6715	-31.2765	-5.016	2.1405	63.5055	-887.966	1
9401_9402	9401	9402	-59.6955	-3.165	-2.7585	1.083	29.982	-256.707	1
9402_9402	9402	9402	80.355	-29.3235	-5.064	-0.5265	44.6295	-778.577	1
9402_9403	9402	9403	-74.7795	-4.8	-3.5625	-0.1935	0.0705	-236.597	1
9403_9403	9403	9403	77.0175	-25.968	0.7065	0.339	-9.8115	-452.657	1
9403_9404	9403	9404	-86.4405	-7.338	-0.1935	0.2895	-1.8345	-196.932	1
9404_9404	9404	9404	76.3515	-24.1965	0.657	0.282	-4.668	-262.872	1
9404_9405	9404	9405	-94.3455	-9.4635	-0.105	0.2355	-3.123	-138.471	1
9405_9405	9405	9405	74.514	-21.036	0.09	0.3465	0.507	-85.497	1
9405_9406	9405	9406	-108.206	-13.2075	0.2235	0.318	0.1095	44.1225	1
9406_9406	9406	9406	73.9845	-18.198	0.3825	0.1995	2.3415	217.65	1
9406_9407	9406	9407	-117.573	-17.3835	3.1875	0.4245	28.5465	194.079	1
9407_9407	9407	9407	72.81	-16.698	0.2355	0.321	4.767	386.685	1
9407_9408	9407	9408	-119.426	-19.803	3.2505	-0.03	46.4595	300.102	1
9408_9408	9408	9408	70.293	-31.812	-1.6785	0.726	11.175	449.964	1
9408_9409	9408	9409	38.4765	-0.429	2.238	-2.409	-24.5925	-121.449	1
9409_9409	9409	9409	-41.1225	-0.783	-0.4815	-2.613	27.0135	128.7615	1
9409_9410	9409	9410	-69.093	-31.2705	-1.05	-0.0585	-1.1175	-454.898	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9410_9410	9410	9410	134.2785	-20.403	1.1955	-0.063	-13.6845	-303.426	1
9410_9411	9410	9411	-72.0735	-16.404	-0.132	0.5565	-2.1675	-387.075	1
9411_9411	9411	9411	131.3175	-17.685	1.017	-0.213	-7.4445	-192.918	1
9411_9412	9411	9412	-72.192	-17.8785	-0.039	-0.0045	-2.2095	-225.84	1
9412_9412	9412	9412	135.153	-13.0785	-0.009	-0.138	0.282	-38.913	1
9412_9413	9412	9413	-73.0455	-20.646	0.0885	0.3135	-0.4845	75.855	1
9413_9413	9413	9413	134.304	-8.826	0.4545	-0.255	-0.885	144.174	1
9413_9414	9413	9414	-76.083	-23.697	0.6135	0.249	4.389	255.273	1
9414_9414	9414	9414	123.7845	-5.8065	0.3795	-0.1425	2.679	198.5415	1
9414_9415	9414	9415	-76.4175	-25.4685	0.6705	0.342	9.231	441.3255	1
9415_9415	9415	9415	104.1165	-2.4705	3.3705	0.054	4.875	209.238	1
9415_9416	9415	9416	-76.6125	-28.6875	-4.548	-0.0825	-40.077	754.4895	1
9416_9416	9416	9416	11.5575	-0.4425	1.065	-0.2715	11.823	42.912	1
9416_9417	9416	9417	-80.55	-30.684	-5.1645	0.663	-63.8775	866.442	1
9417_9417	9417	9417	11.589	-0.3735	0.237	0.048	15.69	44.577	1
9417_9036	9417	9036	-80.5845	-32.0775	-20.106	-1.1985	-146.94	997.7865	1
9420_9056	9420	9056	83.9265	-30.156	-20.157	-1.041	124.815	-910.316	1
9420_9421	9420	9421	-44.1495	-1.197	-1.7235	-0.0825	27.2025	-163.61	1
9421_9421	9421	9421	82.8975	-28.7115	-3.51	1.0275	41.1255	-787.677	1
9421_9422	9421	9422	-45.582	-1.3575	-2.0295	0.582	20.5815	-162.723	1
9422_9422	9422	9422	83.5575	-26.7165	-3.57	-0.207	28.737	-687.531	1
9422_9423	9422	9423	-61.029	-2.625	-2.8125	-0.06	-2.4135	-166.836	1
9423_9423	9423	9423	78.336	-23.391	0.7245	0.33	-8.8695	-391.899	1
9423_9424	9423	9424	-76.2225	-4.8525	0.0945	0.2535	-2.6535	-151.766	1
9424_9424	9424	9424	78.8595	-21.561	0.6645	0.2235	-3.702	-223.322	1
9424_9425	9424	9425	-85.566	-6.7605	0.216	0.207	-1.65	-114.125	1
9425_9425	9425	9425	75.411	-18.3495	-0.051	0.285	1.5015	-59.037	1
9425_9426	9425	9426	-126.341	-10.5855	0.087	-0.1365	0.6255	21.6945	1
9426_9426	9426	9426	74.727	-15.495	0.2445	0.057	1.3065	208.362	1
9426_9427	9426	9427	-122.741	-14.8125	-0.6885	-0.2535	-6.6585	150.015	1
9427_9427	9427	9427	75.0285	-13.9665	0.156	0.4275	3.672	345.5775	1
9427_9428	9427	9428	-125.732	-17.3655	-0.5955	0.075	-10.5915	243.588	1
9428_9428	9428	9428	71.2755	-29.3115	-0.984	0.429	6.2865	408.33	1
9428_9429	9428	9429	36.06	-1.206	-1.2945	-1.641	-13.419	-101.577	1
9429_9429	9429	9429	-34.695	-1.434	0.024	-2.3325	20.1315	90.246	1
9429_9430	9429	9430	-71.9505	-29.3595	-1.116	0.102	-3.393	-407.222	1
9430_9430	9430	9430	125.6475	-16.869	0.5835	-0.1065	-5.616	-232.989	1
9430_9431	9430	9431	-75.48	-13.854	0.036	0.36	-2.487	-345.561	1
9431_9431	9431	9431	109.8705	-14.4165	1.3425	0.285	-10.7415	-150.593	1
9431_9432	9431	9432	-75.1815	-15.387	0.102	0.078	-1.428	-209.321	1
9432_9432	9432	9432	99.8175	-10.4955	0.021	0.288	1.3005	-27.981	1
9432_9433	9432	9433	-76.0815	-18.267	-0.051	0.2835	-1.6335	57.039	1
9433_9433	9433	9433	83.622	-7.116	0.198	0.234	1.587	113.2935	1
9433_9434	9433	9434	-78.9915	-21.4665	0.6645	0.2535	3.5715	218.5005	1
9434_9434	9434	9434	75.891	-5.184	0.1065	0.24	2.5545	155.0775	1
9434_9435	9434	9435	-79.2975	-23.352	0.7155	0.297	8.7825	388.9695	1
9435_9435	9435	9435	61.4865	-2.982	-3.1305	-0.1215	2.496	174.066	1
9435_9436	9435	9436	-84.753	-26.685	-3.5745	-0.3435	-28.8105	684.1395	1
9436_9436	9436	9436	45.906	-1.653	-2.3205	0.7665	-23.3385	173.1765	1
9436_9437	9436	9437	-84.0765	-28.7685	-3.45	1.4895	-41.169	784.6725	1
9437_9437	9437	9437	46.002	-1.512	-1.9305	-0.1065	-32.058	178.962	1
9437_9072	9437	9072	-85.143	-30.114	-20.205	-1.044	-124.716	907.1925	1
9440_9094	9440	9094	85.3695	-29.7975	-19.668	-1.1655	111.582	-888.615	1
9440_9441	9440	9441	-39.7095	-1.5615	-2.1225	-0.078	17.928	-163.722	1
9441_9441	9441	9441	84.2505	-28.302	-2.6565	0.6735	30.0795	-767.171	1
9441_9442	9441	9442	-39.648	-1.7055	-1.3245	0.402	12.858	-157.775	1
9442_9442	9442	9442	84.912	-26.2515	-2.685	-0.069	20.745	-668.384	1
9442_9443	9442	9443	-56.2155	-2.8575	-2.1	0.0315	-2.9145	-161.705	1
9443_9443	9443	9443	79.128	-22.809	0.5985	0.2745	-7.2885	-378.075	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9443_9444	9443	9444	-71.952	-4.9305	0.2235	0.2175	-2.265	-145.227	1
9444_9444	9444	9444	79.623	-21	0.6135	0.3855	-2.952	-213.798	1
9444_9445	9444	9445	-79.3215	-6.6735	0.2535	0.3255	-0.783	-106.017	1
9445_9445	9445	9445	76.047	-17.736	-0.1005	0.3405	1.8765	-53.994	1
9445_9446	9445	9446	-124.298	-10.3365	0.111	-0.171	0.48	20.019	1
9446_9446	9446	9446	75.228	-14.877	0.1995	-0.0645	0.987	204.471	1
9446_9447	9446	9447	-124.029	-14.5485	-0.276	-0.333	-3.156	144.1395	1
9447_9447	9447	9447	75.528	-13.269	0.027	0.711	3.132	336.2595	1
9447_9448	9447	9448	-125.726	-17.2095	0.0165	0.09	-3.243	237.5985	1
9448_9448	9448	9448	74.6835	-28.887	-1.4265	0.294	5.3175	377.52	1
9448_9449	9448	9449	36.3315	-1.386	-0.378	-2.538	-15.0405	-98.973	1
9449_9449	9449	9449	-36.216	-1.1385	1.611	-2.574	14.793	98.7975	1
9449_9450	9449	9450	-71.022	-28.776	-1.155	0.3975	-4.9605	-395.48	1
9450_9450	9450	9450	119.4915	-16.509	-0.567	-0.1185	8.697	-230.579	1
9450_9451	9450	9451	-74.8905	-13.3635	0.1485	0.1245	-2.1435	-335.736	1
9451_9451	9451	9451	110.526	-14.2185	1.833	0.4335	-13.884	-145.322	1
9451_9452	9451	9452	-74.5995	-14.8995	0.1275	0.2715	-1.0545	-203.751	1
9452_9452	9452	9452	99.252	-10.335	-0.1125	0.3465	2.376	-26.043	1
9452_9453	9452	9453	-75.2805	-17.748	-0.096	0.342	-1.8105	54.9225	1
9453_9453	9453	9453	85.0065	-6.942	0.2925	0.3075	0.753	114.5175	1
9453_9454	9453	9454	-77.7615	-20.946	0.5865	0.3315	2.8365	212.46	1
9454_9454	9454	9454	77.907	-4.9965	0.2295	0.264	2.511	156.015	1
9454_9455	9454	9455	-78	-22.7985	0.6135	0.3225	7.3215	378.8265	1
9455_9455	9455	9455	60.552	-2.772	-2.3805	0.0015	3.057	169.5495	1
9455_9456	9455	9456	-83.499	-26.1795	-2.6385	-0.1425	-20.229	668.7765	1
9456_9456	9456	9456	45.0915	-1.5015	-1.7535	0.564	-16.914	166.263	1
9456_9457	9456	9457	-82.854	-28.173	-2.568	0.966	-29.3565	767.0745	1
9457_9457	9457	9457	44.3055	-1.3155	-1.5375	-0.1005	-23.094	169.1955	1
9457_9110	9457	9110	-83.862	-29.562	-19.7925	-1.2075	-110.676	887.544	1
9460_9132	9460	9132	97.68	-32.6925	-20.3595	-1.359	118.3665	-954.692	1
9460_9461	9460	9461	-34.482	-4.8915	-1.9515	-0.147	20.526	-212.187	1
9461_9461	9461	9461	96.1575	-31.1025	-3.0855	0.0645	34.605	-824.034	1
9461_9462	9461	9462	-34.3815	-4.9845	-1.5105	0.2625	14.703	-194.801	1
9462_9462	9462	9462	89.331	-28.845	-2.769	0.1365	21.9285	-724.371	1
9462_9463	9462	9463	-40.6305	-5.874	-1.8675	0.09	-2.7495	-141.561	1
9463_9463	9463	9463	87.0465	-25.0905	0.639	0.3285	-7.449	-410.255	1
9463_9464	9463	9464	-48.345	-7.287	0.21	0.198	-1.8	-97.035	1
9464_9464	9464	9464	81.2745	-23.1345	0.5985	0.369	-2.5965	-227.919	1
9464_9465	9464	9465	-51.843	-8.454	0.237	0.2535	-0.276	-39.6825	1
9465_9465	9465	9465	79.4175	-19.644	-0.09	0.3765	2.2275	-60.0105	1
9465_9466	9465	9466	-60.4605	-10.5975	0.0765	0.243	0.8355	108.0585	1
9466_9466	9466	9466	74.121	-16.671	-0.0885	0.072	1.2375	228.072	1
9466_9467	9466	9467	-154.851	-15.684	0.936	-0.0495	5.8485	84.897	1
9467_9467	9467	9467	73.3695	-15.1215	-0.135	0.4725	0.8325	376.785	1
9467_9468	9467	9468	-158.67	-18.9765	1.131	-0.0855	12.189	185.559	1
9468_9468	9468	9468	88.8915	-31.716	-1.8735	0.6135	-5.0715	405.036	1
9468_9469	9468	9469	48.4665	-3.369	0.033	-0.93	-6.687	-70.2375	1
9469_9469	9469	9469	-40.98	-3.411	-0.5595	-0.645	6.5325	38.9985	1
9469_9470	9469	9470	-82.6665	-31.2045	-1.773	0.7815	3.852	-413.234	1
9470_9470	9470	9470	86.4105	-17.6085	-0.4845	0.0885	5.802	-341.205	1
9470_9471	9470	9471	-71.745	-15.4065	-0.0135	-0.042	-0.1395	-374.793	1
9471_9471	9471	9471	84.723	-15.8595	-0.3465	0.2985	2.7315	-246.72	1
9471_9472	9471	9472	-72.5595	-16.8975	-0.1155	0.393	-1.152	-224.01	1
9472_9472	9472	9472	78.057	-12.756	0.0675	0.2745	-0.3405	-110.598	1
9472_9473	9472	9473	-76.704	-19.884	-0.09	0.3735	-2.061	67.5255	1
9473_9473	9473	9473	70.8735	-10.0095	0.2475	0.285	0.4935	69.6825	1
9473_9474	9473	9474	-77.2995	-23.1795	0.642	0.3675	3.042	234.6705	1
9474_9474	9474	9474	65.316	-8.415	0.2115	0.222	2.0085	136.281	1
9474_9475	9474	9475	-82.164	-25.0815	0.6825	0.3165	8.205	418.4955	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9475_9475	9475	9475	57.855	-6.42	-1.977	-0.006	3.036	188.262	1
9475_9476	9475	9476	-84.897	-28.5825	-2.6055	-0.183	-19.173	730.08	1
9476_9476	9476	9476	51.411	-5.0955	-1.7595	0.6135	-16.287	246.129	1
9476_9477	9476	9477	-90.9585	-30.729	-2.724	0.999	-30.5145	830.3505	1
9477_9477	9477	9477	51.5325	-4.953	-2.2305	-0.1485	-23.1585	263.904	1
9477_9148	9477	9148	-92.367	-32.2995	-21.5895	-1.308	-119.073	959.769	1
9480_9168	9480	9168	93.0495	-32.6025	-22.2285	-1.3395	122.106	-971.619	1
9480_9481	9480	9481	-43.914	-3.7215	-2.568	-0.138	20.6655	-208.961	1
9481_9481	9481	9481	93.042	-31.035	-2.847	0.495	30.81	-838.13	1
9481_9482	9481	9482	-43.836	-3.7935	-1.548	0.399	14.5875	-195.705	1
9482_9482	9482	9482	86.7105	-28.788	-2.6505	-0.039	19.1835	-737.646	1
9482_9483	9482	9483	-50.172	-4.9365	-1.797	0.036	-2.877	-152.619	1
9483_9483	9483	9483	83.316	-25.3305	0.744	0.4785	-8.598	-424.19	1
9483_9484	9483	9484	-58.32	-6.672	0.156	0.267	-2.13	-112.419	1
9484_9484	9484	9484	78.171	-23.4525	0.6015	0.1995	-3.1095	-238.739	1
9484_9485	9484	9485	-63.843	-8.0775	0.279	0.174	-0.459	-59.4705	1
9485_9485	9485	9485	75.963	-20.1675	-0.0735	0.3585	1.7145	-68.1915	1
9485_9486	9485	9486	-70.7385	-10.602	0.081	0.2355	0.7155	90.3495	1
9486_9486	9486	9486	72.3105	-17.217	-0.096	0.4815	1.056	226.8585	1
9486_9487	9486	9487	-144.998	-14.028	1.0995	0.0585	6.7275	65.637	1
9487_9487	9487	9487	71.436	-15.7515	0.0555	-0.219	0.138	380.958	1
9487_9488	9487	9488	-144.681	-17.007	0.825	-0.198	11.2605	160.1565	1
9488_9488	9488	9488	82.611	-31.299	-2.3385	0.9495	-3.873	413.9445	1
9488_9489	9488	9489	44.895	-3.2625	-0.9945	-0.8175	-9.9705	-55.104	1
9489_9489	9489	9489	-39.081	-3.0255	-0.264	-0.8775	7.749	49.1205	1
9489_9490	9489	9490	-84.672	-31.6725	-2.3565	0.924	4.2615	-417.962	1
9490_9490	9490	9490	148.5315	-16.377	0.933	-0.171	-11.877	-143.891	1
9490_9491	9490	9491	-72.792	-15.7335	0.015	-0.0495	-0.387	-383.792	1
9491_9491	9491	9491	75.702	-13.8315	-0.6435	0.2385	4.6335	-221.819	1
9491_9492	9491	9492	-73.737	-17.2605	-0.0945	0.3975	-1.185	-229.257	1
9492_9492	9492	9492	67.0485	-11.1375	0.078	0.225	-0.852	-105.705	1
9492_9493	9492	9493	-77.652	-20.2125	-0.0645	0.3585	-1.668	66.0135	1
9493_9493	9493	9493	59.946	-8.745	0.2625	0.159	0.3345	51.288	1
9493_9494	9493	9494	-80.004	-23.5755	0.6015	0.1935	3.1785	237.3855	1
9494_9494	9494	9494	54.2265	-7.428	0.141	0.252	1.866	108.288	1
9494_9495	9494	9495	-85.365	-25.521	0.747	0.4725	8.6895	424.17	1
9495_9495	9495	9495	45.315	-5.799	-1.3905	0.006	2.445	152.8905	1
9495_9496	9495	9496	-88.923	-29.103	-2.6115	-0.1845	-18.783	741.6645	1
9496_9496	9496	9496	38.8275	-4.8405	-1.1505	0.435	-10.3905	204.3825	1
9496_9497	9496	9497	-95.484	-31.2525	-2.727	0.978	-30.1335	842.844	1
9497_9497	9497	9497	38.8935	-4.695	-2.5995	-0.1215	-14.688	221.22	1
9497_9184	9497	9184	-96.9435	-32.85	-22.587	-1.407	-122.708	974.418	1
9500_9204	9500	9204	89.271	-32.5455	-19.968	-1.902	122.523	-1001.03	1
9500_9501	9500	9501	-14.5215	-0.4305	-0.651	-0.03	7.542	-57.591	1
9501_9501	9501	9501	89.2935	-31.2795	-3.384	2.3175	41.55	-867.728	1
9501_9502	9501	9502	-18.837	-0.5085	-0.72	0.3465	7.4325	-68.052	1
9502_9502	9502	9502	90.009	-29.1315	-3.615	-0.558	29.163	-758.646	1
9502_9503	9502	9503	-88.7925	-1.473	1.197	-0.237	-1.623	-167.405	1
9503_9503	9503	9503	83.2695	-25.806	0.627	0.198	-9.051	-437.225	1
9503_9504	9503	9504	-120.122	-4.581	0.219	-0.303	-0.003	-184.88	1
9504_9504	9504	9504	82.812	-23.88	0.72	0.642	-4.314	-249.066	1
9504_9505	9504	9505	-134.36	-7.5735	0.006	-0.0765	0.5805	-143.51	1
9505_9505	9505	9505	78.318	-20.6475	-0.012	0.429	1.1985	-65.826	1
9505_9506	9505	9506	-135.365	-11.9745	0.03	-0.1155	-0.108	22.5705	1
9506_9506	9506	9506	77.6775	-17.7765	0.1305	0.081	1.536	234.4485	1
9506_9507	9506	9507	-135.807	-16.608	-0.0345	-0.2145	-1.524	164.6655	1
9507_9507	9507	9507	78.0345	-16.1415	0.0345	0.558	2.9445	392.0085	1
9507_9508	9507	9508	-139.292	-19.482	0.099	0.0375	-1.5225	269.124	1
9508_9508	9508	9508	75.333	-32.367	-1.188	0.5535	4.9785	458.9235	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9508_9509	9508	9509	35.3055	-1.923	1.9575	-1.9005	-10.8045	-73.962	1
9509_9509	9509	9509	-35.4915	-2.1255	-1.1445	-1.9875	11.1975	74.379	1
9509_9510	9509	9510	-71.829	-32.4165	-1.689	1.0275	-8.9865	-471.83	1
9510_9510	9510	9510	122.3685	-18.42	2.592	0.1875	-34.6395	-269.091	1
9510_9511	9510	9511	-77.8305	-16.512	0.237	0.6585	-4.917	-391.218	1
9511_9511	9511	9511	122.19	-15.9045	2.367	0.306	-20.142	-167.606	1
9511_9512	9511	9512	-78.6435	-18.117	0.4395	0.108	-1.467	-222.977	1
9512_9512	9512	9512	109.1985	-11.604	0.0615	0.33	1.0665	-35.01	1
9512_9513	9512	9513	-79.7235	-21.0765	-0.015	0.471	-1.098	80.7135	1
9513_9513	9513	9513	95.532	-7.7985	0.066	0.3165	1.914	124.3965	1
9513_9514	9513	9514	-82.035	-24.36	0.6795	0.474	4.101	259.1295	1
9514_9514	9514	9514	88.068	-5.6565	0.0465	0.225	2.061	171.3015	1
9514_9515	9514	9515	-81.45	-26.2605	0.672	0.3495	8.9595	448.4175	1
9515_9515	9515	9515	68.769	-3.159	-1.6275	0.0225	1.4205	189.054	1
9515_9516	9515	9516	-87.228	-29.6625	-3.5415	-0.168	-29.133	779.8425	1
9516_9516	9516	9516	50.5845	-1.7355	-0.9795	0.3975	-9.9975	184.107	1
9516_9517	9516	9517	-86.499	-31.746	-3.4875	1.0845	-41.445	890.595	1
9517_9517	9517	9517	50.5785	-1.5795	-2.8215	-0.168	-13.554	190.167	1
9517_9220	9517	9220	-87.6165	-33.123	-19.851	-1.869	-123.78	1026.126	1
9520_9240	9520	9240	106.329	-34.782	-1.29	-2.028	69.753	-1058.02	1
9520_9521	9520	9521	49.038	-1.5225	1.164	0.3825	37.26	73.6185	1
9521_9521	9521	9521	106.866	-33.531	-3.357	1.275	63.6645	-914.733	1
9521_9522	9521	9522	49.221	-1.2735	-2.0205	0.5835	27.945	76.5495	1
9522_9522	9522	9522	102.561	-31.032	-3.096	0.0855	48.1245	-796.529	1
9522_9523	9522	9523	-51.543	-2.0925	-1.4475	0.048	8.73	-142.521	1
9523_9523	9523	9523	100.794	-27.372	-0.5835	0.888	13.4895	-453.84	1
9523_9524	9523	9524	-71.0115	-4.038	-0.675	0.516	5.4645	-139.514	1
9524_9524	9524	9524	101.292	-25.0275	-0.765	0.1635	9.102	-256.44	1
9524_9525	9524	9525	-79.8135	-5.787	-0.5655	0.132	1.722	-109.334	1
9525_9525	9525	9525	97.104	-21.3885	-0.423	0.405	3.246	-65.163	1
9525_9526	9525	9526	-131.286	-9.006	0.3975	-0.216	3.603	4.479	1
9526_9526	9526	9526	96.4245	-17.922	-0.135	-0.255	-2.325	243.3495	1
9526_9527	9526	9527	-134.796	-13.956	3.36	-0.216	32.4675	122.121	1
9527_9527	9527	9527	95.52	-15.9855	-0.267	0.9915	-1.866	408.675	1
9527_9528	9527	9528	-139.626	-16.695	3.7665	-0.5175	53.0535	210.1965	1
9528_9528	9528	9528	93.3015	-35.757	-0.642	-1.3725	-9.8475	466.161	1
9528_9529	9528	9529	50.685	-3.4665	0.765	-5.454	-41.0655	-98.1345	1
9529_9529	9529	9529	-50.4195	-2.406	2.49	-5.7735	41.73	101.3415	1
9529_9530	9529	9530	-90.0825	-35.973	-2.979	2.5305	-24.222	-476.877	1
9530_9530	9530	9530	123.3765	-16.047	5.892	-0.3375	-89.988	-199.758	1
9530_9531	9530	9531	-96.558	-16.1475	0.369	0.7425	-13.848	-405.884	1
9531_9531	9531	9531	120.135	-13.614	5.631	0.6015	-57.1575	-117.653	1
9531_9532	9531	9532	-96.21	-18.102	0.5355	0.2565	-8.7555	-245.592	1
9532_9532	9532	9532	108.885	-9.783	0.729	0.3465	-6.675	-4.842	1
9532_9533	9532	9533	-99.501	-21.7305	0.375	0.549	-2.901	77.1615	1
9533_9533	9533	9533	92.2845	-6.15	0.093	0.0135	4.011	123.4095	1
9533_9534	9533	9534	-102.635	-25.644	0.258	-0.0405	-0.615	267.5055	1
9534_9534	9534	9534	82.4355	-4.0875	-0.2025	0.429	4.131	154.623	1
9534_9535	9534	9535	-102.006	-28.0365	0.573	0.8835	3.2205	469.5975	1
9535_9535	9535	9535	56.34	-1.7205	0.6345	0.0315	2.496	147.1545	1
9535_9536	9535	9536	-102.612	-31.9815	-0.7785	-0.528	-5.052	819.1125	1
9536_9536	9536	9536	-47.004	-0.843	0.3195	-0.0165	0.207	-78.5055	1
9536_9537	9536	9537	-106.029	-34.512	-0.5415	1.2615	-7.1205	943.188	1
9537_9537	9537	9537	-48.1065	-1.035	-0.912	-0.6675	1.506	-78.7905	1
9537_9254	9537	9254	-105.062	-36.2235	-5.3415	-5.3475	-29.076	1090.016	1
9540_9275	9540	9275	109.881	-35.079	-7.272	-1.692	110.5935	-1111.56	1
9540_9541	9540	9541	50.2095	-2.511	3.651	0.7215	34.2135	64.77	1
9541_9541	9541	9541	104.877	-34.3545	-3.492	3.4305	75.243	-966.054	1
9541_9542	9541	9542	53.469	-1.737	-1.383	0.4785	25.524	71.454	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9542_9542	9542	9542	104.343	-31.8465	-3.6105	-0.1545	60.9705	-845.558	1
9542_9543	9542	9543	-72.081	-2.916	-2.9745	0.0075	10.899	-194.708	1
9543_9543	9543	9543	104.2755	-28.4535	-0.9045	1.068	21.09	-496.614	1
9543_9544	9543	9544	-86.523	-5.6175	-0.591	0.696	7.8405	-176.196	1
9544_9544	9544	9544	101.7105	-26.1345	-0.975	0.4185	13.722	-284.772	1
9544_9545	9544	9545	-93.72	-7.6695	-0.5295	0.3705	4.5045	-130.997	1
9545_9545	9545	9545	101.3805	-22.335	-1.0815	0.522	6.6435	-95.856	1
9545_9546	9545	9546	-103.548	-11.0085	-1.1115	0.5085	-11.5035	19.3335	1
9546_9546	9546	9546	98.022	-18.8775	-0.7665	-0.0765	-8.28	237.8775	1
9546_9547	9546	9547	-109.185	-14.2635	-4.65	0.027	-52.503	140.1705	1
9547_9547	9547	9547	98.3775	-16.9185	-0.8595	0.6375	-14.8755	405.018	1
9547_9548	9547	9548	-139.715	-16.5165	5.5965	-1.1535	88.449	208.1655	1
9548_9548	9548	9548	95.997	-37.4685	0.5025	-4.3455	-30.5745	469.9185	1
9548_9549	9548	9549	51.1245	-3.8385	0.621	-8.0445	-51.42	-94.2855	1
9549_9549	9549	9549	-50.337	-1.9425	3.4665	-8.4405	51.834	99.996	1
9549_9550	9549	9550	-92.1015	-36.4845	-3.819	4.578	-35.6835	-467.351	1
9550_9550	9550	9550	127.068	-18.5955	-5.847	1.2345	101.3565	-234.933	1
9550_9551	9550	9551	-97.629	-15.261	-0.012	1.146	-17.247	-415.412	1
9551_9551	9551	9551	123.24	-15.6945	-6.132	-0.723	66.783	-133.665	1
9551_9552	9551	9552	-97.251	-17.5035	0.27	0.228	-14.3475	-268.059	1
9552_9552	9552	9552	108.36	-10.1835	1.686	0.39	-15.138	3.402	1
9552_9553	9552	9553	-100.715	-21.5625	0.8115	0.654	-3.0405	48.6825	1
9553_9553	9553	9553	94.299	-6.3945	-0.201	0.318	8.4555	133.5675	1
9553_9554	9553	9554	-102.615	-25.695	0.687	0.4425	2.373	233.337	1
9554_9554	9554	9554	84.648	-4.0995	-0.1575	0.0705	6.459	164.3445	1
9554_9555	9554	9555	-102.876	-28.338	0.651	0.321	7.0575	436.1655	1
9555_9555	9555	9555	55.11	-1.533	-0.465	-0.027	4.1685	146.6985	1
9555_9556	9555	9556	-103.961	-32.799	-0.708	-0.4905	-0.663	788.3805	1
9556_9556	9556	9556	14.25	-0.543	-0.102	0.0435	0.252	57.8355	1
9556_9557	9556	9557	-105.635	-35.6655	-0.642	0.432	-3.594	913.0485	1
9557_9557	9557	9557	-30.0705	-0.5265	0.789	0.966	3.9345	-75.1005	1
9557_9288	9557	9288	-105.545	-37.6515	-3.8355	-4.0155	-25.9335	1121.498	1
49000_9000	49000	9000	-1.167	-9.3	5.811	2.292	0	-13.2765	1
49000_9001	49000	9001	-1.7685	-99.351	0.9225	7.3275	7.662	810.5775	1
49001_9001	49001	9001	-1.158	-9.3	5.8125	2.3805	48.234	63.915	1
49001_9002	49001	9002	-2.3625	-91.6215	1.3695	10.386	23.5095	1556.508	1
49002_9002	49002	9002	-1.1535	-8.8905	-2.787	2.2365	99.936	146.6325	1
49002_9003	49002	9003	-3.0105	-83.1795	-1.7025	7.926	14.367	2386.569	1
49003_9003	49003	9003	0.9645	-11.7255	0.5235	-4.2345	-1.008	-1252	1
49003_9004	49003	9004	-3.5085	-73.89	-2.0085	13.461	-2.6475	3007.196	1
49004_9004	49004	9004	1.599	-18.216	-0.2025	-0.927	7.995	-2011.8	1
49004_9005	49004	9005	-3.8805	-69.4275	-0.3585	5.9145	-1.116	3492.254	1
49005_9005	49005	9005	2.3475	-27.4515	-0.087	-6.504	6.99	-2717.21	1
49005_9006	49005	9006	-4.149	-61.182	-0.483	12.7665	-1.968	3809.466	1
49006_9006	49006	9006	2.9985	-32.271	-0.5235	-0.066	7.8975	-3246.74	1
49006_9007	49006	9007	-4.32	-58.4835	0.2145	4.5825	6.2595	4038.932	1
49007_9007	49007	9007	3.4995	-40.7955	-0.4725	-3.84	1.7145	-3649.74	1
49007_9008	49007	9008	-4.4085	-50.9055	0.132	8.634	13.059	4127.606	1
49008_9008	49008	9008	3.873	-43.398	-0.6555	0.9195	-3.903	-3886.5	1
49008_9009	49008	9009	-4.425	-49.4475	0.3195	3.7935	22.8465	4163.91	1
49009_9009	49009	9009	4.143	-51.333	-0.5895	0.348	-12.927	-4045	1
49009_9010	49009	9010	-4.377	-42.312	0.2325	4.3305	30.864	4079.429	1
49010_9010	49010	9010	4.314	-53.217	-0.8685	6.651	-20.7825	-4060.91	1
49010_9011	49010	9011	-4.2705	-40.989	0.462	-2.1975	42.105	3958.247	1
49011_9011	49011	9011	4.404	-60.801	-0.7965	-0.447	-32.8335	-4020.72	1
49011_9012	49011	9012	-4.1115	-34.2255	0.3555	4.8285	50.6055	3736.449	1
49012_9012	49012	9012	4.4205	-62.595	-1.242	8.6055	-43.095	-3857.17	1
49012_9013	49012	9013	-3.903	-32.5815	0.6	-3.657	62.0145	3483.924	1
49013_9013	49013	9013	4.3725	-69.9705	-1.137	1.9815	-58.875	-3649.24	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49013_9014	49013	9014	-3.6345	-26.295	0.423	2.6535	68.1195	3164.405	1
49014_9014	49014	9014	4.269	-72.6405	0.3165	8.2965	-71.2155	-3333.19	1
49014_9015	49014	9015	-3.2205	-22.407	-0.345	-2.88	61.7385	2720.12	1
49015_9015	49015	9015	4.791	-81.8445	0.3165	3.018	-64.9575	-2851.43	1
49015_9016	49015	9016	-2.811	-18.6135	-0.3825	1.467	57.153	2446.881	1
49016_9016	49016	9016	6.057	-83.2035	2.208	8.892	-60.987	-2542.69	1
49016_9017	49016	9017	-2.1705	-16.0845	-1.3725	-4.383	39.36	2057.676	1
49017_9017	49017	9017	8.196	-89.601	2.1825	4.8945	-34.9755	-2091.87	1
49017_9018	49017	9018	-1.6095	-10.719	-0.9225	-0.0555	28.9035	1572.678	1
49018_9018	49018	9018	10.584	-94.626	-4.521	6.648	-8.5395	-1510.2	1
49018_9019	49018	9019	-1.275	-6.291	1.005	-2.2065	47.4375	1087.175	1
49019_9019	49019	9019	13.362	-100.908	-3.7635	6.1095	-62.007	-939.54	1
49019_9020	49019	9020	0.4365	-3.489	0.0315	-0.615	44.4765	817.7175	1
49020_9020	49020	9020	-123.927	-18.054	7.8975	3.4035	-270.776	-1141.15	1
49020_9021	49020	9021	74.9235	-82.1055	-6.204	1.815	127.368	826.041	1
49021_9021	49021	9021	-113.67	-21.792	8.043	-2.091	-185.933	-1294.17	1
49021_9022	49021	9022	68.8095	-76.674	-5.799	5.4405	66.024	1036.577	1
49022_9022	49022	9022	-105.218	-25.386	7.767	-1.5555	-115.359	-1388.81	1
49022_9023	49022	9023	63.891	-70.95	-5.0655	4.737	13.8945	1205.723	1
49023_9023	49023	9023	-96.297	-28.1865	1.3335	2.4405	-47.856	-1469.9	1
49023_9024	49023	9024	60.1755	-66.315	-0.306	1.875	3.747	1363.365	1
49024_9024	49024	9024	-87.5805	-32.5185	1.182	1.8465	-31.4235	-1539.82	1
49024_9025	49024	9025	57.726	-60.126	-0.0975	2.5785	-2.931	1477.806	1
49025_9025	49025	9025	-79.362	-37.3365	1.125	-0.807	-17.2845	-1586.23	1
49025_9026	49025	9026	56.5845	-54.0705	0.051	4.6635	-6.7635	1549.425	1
49026_9026	49026	9026	-72.351	-39.771	0.3285	4.6545	-5.1435	-1611.66	1
49026_9027	49026	9027	56.5665	-52.6845	0.2265	-0.942	-7.02	1593.647	1
49027_9027	49027	9027	-67.833	-43.7895	0.3825	1.578	-1.5585	-1626.44	1
49027_9028	49027	9028	57.237	-48.1665	0.1995	2.448	-6.7215	1611.888	1
49028_9028	49028	9028	-64.164	-48.1305	0.2955	1.3605	1.9245	-1627.2	1
49028_9029	49028	9029	58.614	-43.8315	0.2895	2.5905	-5.361	1606.443	1
49029_9029	49029	9029	-61.2135	-52.638	0.234	0.5055	4.392	-1604.28	1
49029_9030	49029	9030	60.828	-39.789	0.363	3.183	-3.078	1586.187	1
49030_9030	49030	9030	-58.944	-53.9175	0.1125	4.086	5.8485	-1554.85	1
49030_9031	49030	9031	64.767	-37.4085	1.0485	-0.1155	6.6765	1554.563	1
49031_9031	49031	9031	-57.054	-59.982	-0.102	3.669	4.6275	-1478.05	1
49031_9032	49031	9032	69.8895	-32.5635	1.2105	0.6525	19.2735	1500.855	1
49032_9032	49032	9032	-56.4615	-66.1695	-0.234	1.2345	-0.0255	-1357.94	1
49032_9033	49032	9033	75.6	-28.1955	1.2705	3.1485	33.645	1423.098	1
49033_9033	49033	9033	-57.135	-70.854	-5.109	5.2725	-7.65	-1194.62	1
49033_9034	49033	9034	81.633	-25.344	7.821	-2.4555	100.047	1333.047	1
49034_9034	49034	9034	-59.085	-76.5705	-5.781	5.1825	-58.2855	-1019.07	1
49034_9035	49034	9035	87.48	-21.7005	7.9725	-1.6665	168.7785	1228.182	1
49035_9035	49035	9035	-62.2365	-82.0395	-6.2175	1.485	-117.941	-803.894	1
49035_9036	49035	9036	94.74	-17.901	7.8555	3.7365	251.3265	1067.397	1
49036_9036	49036	9036	-10.8825	-10.3905	0.3645	2.2065	-9.3615	-677.957	1
49036_9037	49036	9037	-53.5635	-95.1165	-3.435	5.739	41.292	717.2955	1
49037_9037	49037	9037	-10.6035	-10.674	0.3885	0.9855	-4.623	-547.443	1
49037_9038	49037	9038	-54.96	-89.1525	-4.047	6.768	-7.434	1162.619	1
49038_9038	49038	9038	31.9575	-13.2345	-0.963	-0.3255	-15.3585	-1399.58	1
49038_9039	49038	9039	-55.626	-84.372	1.92	5.8425	15.6	1606.529	1
49039_9039	49039	9039	38.472	-18.417	-1.425	-3.903	-24.5025	-1781.76	1
49039_9040	49039	9040	-55.146	-78.582	1.938	8.7075	37.983	1939.364	1
49040_9040	49040	9040	43.749	-20.817	-0.957	-1.737	-40.596	-2070.56	1
49040_9041	49040	9041	-54.423	-77.5095	1.506	7.2375	50.5005	2173.365	1
49041_9041	49041	9041	46.941	-24.558	-1.083	-1.647	-49.3515	-2252.13	1
49041_9042	49041	9042	-53.5965	-68.2545	1.4595	7.5885	73.6845	2502.986	1
49042_9042	49042	9042	51.021	-28.4715	0.2655	1.239	-69.45	-2536.28	1
49042_9043	49042	9043	-52.587	-65.283	-0.204	4.428	71.3835	2738.447	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49043_9043	49043	9043	52.9875	-35.2215	0.2385	-1.8255	-68.736	-2736.53	1
49043_9044	49043	9044	-50.9895	-57.4665	-0.1515	7.488	69.2175	2879.15	1
49044_9044	49044	9044	53.7255	-37.1535	0.12	3.3405	-67.281	-2869.28	1
49044_9045	49044	9045	-48.975	-55.221	-0.0585	2.352	68.3805	2992.824	1
49045_9045	49045	9045	53.5935	-44.4945	0.081	-0.1275	-67.2735	-2981.56	1
49045_9046	49045	9046	-46.6125	-47.4855	-0.009	5.82	67.6785	3006.461	1
49046_9046	49046	9046	52.647	-46.392	-0.0435	5.532	-67.0875	-3004.44	1
49046_9047	49046	9047	-43.956	-45.5085	0.12	0.1845	68.6835	2996.384	1
49047_9047	49047	9047	51.1005	-54.1095	-0.0945	2.0355	-68.5725	-3005.27	1
49047_9048	49047	9048	-40.9755	-38.091	0.153	3.651	69.4485	2894.424	1
49048_9048	49048	9048	49.1085	-56.2635	-0.3075	7.389	-70.1925	-2906.11	1
49048_9049	49048	9049	-37.6875	-36.0795	0.378	-1.6845	72.8985	2769.698	1
49049_9049	49049	9049	46.785	-64.1265	-0.363	4.0755	-74.6295	-2779.67	1
49049_9050	49049	9050	-33.975	-29.244	0.3765	1.5945	74.964	2577.102	1
49050_9050	49050	9050	44.154	-67.1025	1.368	8.0865	-79.1595	-2555.97	1
49050_9051	49050	9051	-28.7625	-25.224	-1.017	-2.286	55.4265	2299.737	1
49051_9051	49051	9051	41.01	-76.6455	1.368	5.334	-57.636	-2223.78	1
49051_9052	49051	9052	-25.5525	-21.2445	-0.8685	-0.051	46.986	2109.509	1
49052_9052	49052	9052	39.9645	-77.8335	1.908	7.653	-46.125	-1991.34	1
49052_9053	49052	9053	-20.8215	-18.6285	-1.3305	-2.265	31.11	1824.189	1
49053_9053	49053	9053	38.679	-84.1785	1.959	7.5405	-23.6925	-1666.64	1
49053_9054	49053	9054	-15.627	-12.993	-0.8925	-1.5255	22.248	1441.577	1
49054_9054	49054	9054	36.795	-89.4165	-4.4505	6.7755	-0.6495	-1214.14	1
49054_9055	49054	9055	-11.313	-8.2695	1.2225	-1.5825	44.2245	1026.909	1
49055_9055	49055	9055	35.2905	-96.0495	-3.804	6.6405	-54.1725	-756.939	1
49055_9056	49055	9056	40.3425	-7.146	0.1335	1.854	-13.3845	565.4955	1
49056_9056	49056	9056	-110.454	-18.324	7.2	3.1725	-236.385	-1144.32	1
49056_9057	49056	9057	74.316	-81.1095	-5.7975	1.8855	110.223	961.176	1
49057_9057	49057	9057	-103.076	-22.311	7.3305	-0.1605	-159.722	-1307.82	1
49057_9058	49057	9058	69.8655	-75.6705	-5.397	4.326	54.348	1163.261	1
49058_9058	49058	9058	-96.909	-26.088	7.329	-2.7615	-95.613	-1425.64	1
49058_9059	49058	9059	66.4095	-70.062	-4.878	5.754	6.0735	1333.458	1
49059_9059	49059	9059	-90.2595	-28.9065	0.921	3.363	-32.6145	-1525.05	1
49059_9060	49059	9060	63.96	-65.6625	-0.1575	1.1625	-0.822	1489.401	1
49060_9060	49060	9060	-83.742	-33.3195	0.9165	0.741	-20.4015	-1609.82	1
49060_9061	49060	9061	62.5695	-59.6295	-0.0825	3.756	-5.6475	1601.568	1
49061_9061	49061	9061	-77.586	-38.1915	0.798	-0.0705	-9.1755	-1668.44	1
49061_9062	49061	9062	62.277	-53.721	0.093	4.194	-7.7385	1669.682	1
49062_9062	49062	9062	-72.4245	-40.4265	0.261	2.5545	-0.1665	-1702.36	1
49062_9063	49062	9063	62.7825	-52.65	0.1575	1.401	-7.4925	1713.065	1
49063_9063	49063	9063	-69.165	-44.427	0.0765	5.163	2.5605	-1723.73	1
49063_9064	49063	9064	63.8685	-48.249	0.3225	-0.9735	-5.715	1729.229	1
49064_9064	49064	9064	-66.5955	-48.684	0.249	-0.798	3.873	-1728.49	1
49064_9065	49064	9065	65.5785	-44.0055	0.1605	4.9965	-4.491	1722.165	1
49065_9065	49065	9065	-64.6275	-53.0985	0.0945	1.179	5.808	-1709.97	1
49065_9066	49065	9066	68.031	-40.029	0.3225	2.7675	-1.9935	1699.11	1
49066_9066	49066	9066	-63.222	-54.1515	0.0135	4.884	6.276	-1664.09	1
49066_9067	49066	9067	72.174	-37.815	0.8355	-0.75	6.537	1663.179	1
49067_9067	49067	9067	-62.2965	-60.06	-0.0735	2.607	4.4355	-1592.53	1
49067_9068	49067	9068	77.418	-32.976	0.8565	2.037	16.5225	1603.845	1
49068_9068	49068	9068	-62.4765	-66.099	-0.225	1.8555	0.6405	-1477.43	1
49068_9069	49068	9069	83.1405	-28.5975	0.975	2.6595	28.3875	1518.92	1
49069_9069	49069	9069	-63.747	-70.371	-4.89	5.0055	-5.7855	-1318.17	1
49069_9070	49069	9070	89.1165	-25.9305	7.3875	-1.488	91.1235	1422.014	1
49070_9070	49070	9070	-66.102	-75.975	-5.5095	4.668	-53.3235	-1147.03	1
49070_9071	49070	9071	94.7535	-22.2015	7.5105	-0.4995	156.0315	1307.645	1
49071_9071	49071	9071	-69.519	-81.393	-5.9355	2.199	-109.425	-943.727	1
49071_9072	49071	9072	101.673	-18.2925	7.398	2.9985	233.802	1150.041	1
49072_9072	49072	9072	-4.887	-8.97	0.3225	1.6065	-20.3805	-520.094	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49072_9073	49072	9073	-44.9085	-95.6955	-3.753	6.1635	49.065	807.0825	1
49073_9073	49073	9073	-6.078	-9.114	0.3225	1.344	-14.8515	-413.09	1
49073_9074	49073	9074	-45.519	-89.448	-4.3305	6.87	-4.0845	1288.809	1
49074_9074	49074	9074	25.1085	-12.84	-0.999	-0.303	-18.783	-1453.77	1
49074_9075	49074	9075	-45.6225	-84.72	2.178	5.7555	21.9765	1772.306	1
49075_9075	49075	9075	30.6465	-18.1815	-1.5255	-4.2345	-29.0655	-1853.5	1
49075_9076	49075	9076	-44.766	-78.7485	2.2245	8.844	47.736	2130.162	1
49076_9076	49076	9076	35.1135	-20.5065	-0.849	-0.5685	-47.457	-2167.02	1
49076_9077	49076	9077	-43.9725	-77.8065	1.26	5.6865	58.4355	2391.233	1
49077_9077	49077	9077	37.719	-24.381	-0.9255	-2.0565	-55.7715	-2398.85	1
49077_9078	49077	9078	-43.4115	-69.441	1.2885	7.8615	77.1555	2754.897	1
49078_9078	49078	9078	40.815	-27.741	0.3555	1.0935	-71.3985	-2702.07	1
49078_9079	49078	9079	-43.068	-67.0395	-0.6495	4.356	71.076	3004.55	1
49079_9079	49079	9079	42.4815	-33.999	0.426	-2.5485	-68.9325	-2930.22	1
49079_9080	49079	9080	-42.4545	-59.9175	-0.651	8.067	63.978	3168.317	1
49080_9080	49080	9080	43.239	-35.484	0.0975	1.4745	-63.8115	-3101.09	1
49080_9081	49080	9081	-41.664	-58.44	-0.228	4.1445	62.031	3309.611	1
49081_9081	49081	9081	43.4295	-42.186	0.1545	0.3585	-62.529	-3255.65	1
49081_9082	49081	9082	-40.7175	-51.3825	-0.2595	5.238	59.28	3359.754	1
49082_9082	49082	9082	43.1775	-43.284	-0.09	4.4535	-59.832	-3329.38	1
49082_9083	49082	9083	-39.582	-49.7925	-0.006	0.9765	59.9565	3391.151	1
49083_9083	49083	9083	42.585	-50.7315	-0.09	0.837	-60.381	-3390.04	1
49083_9084	49083	9084	-38.295	-42.399	-0.012	4.572	60.057	3321.161	1
49084_9084	49084	9084	41.7525	-52.3335	-0.261	6.4485	-60.432	-3348.11	1
49084_9085	49084	9085	-36.93	-41.3295	0.1485	-1.017	62.364	3239.609	1
49085_9085	49085	9085	40.8315	-59.394	-0.261	2.619	-62.8875	-3287.55	1
49085_9086	49085	9086	-35.328	-34.7085	0.1245	2.745	63.639	3080.304	1
49086_9086	49086	9086	39.792	-60.87	-0.6825	7.9665	-64.863	-3137.13	1
49086_9087	49086	9087	-33.4095	-33.2295	0.4605	-2.472	68.85	2905.542	1
49087_9087	49087	9087	38.6295	-67.986	-0.669	4.5435	-71.94	-2964.53	1
49087_9088	49087	9088	-31.0005	-27.039	0.3795	0.8985	71.4345	2672.988	1
49088_9088	49088	9088	37.3155	-70.1565	1.017	8.0685	-77.862	-2707.85	1
49088_9089	49088	9089	-27.6195	-24.1785	-0.7425	-2.376	58.827	2381.622	1
49089_9089	49089	9089	36.18	-78.183	0.996	5.5305	-62.922	-2366.64	1
49089_9090	49089	9090	-25.0335	-20.2215	-0.678	-0.354	51.6645	2156.933	1
49090_9090	49090	9090	36.1305	-79.242	2.0595	8.1165	-53.913	-2107.17	1
49090_9091	49090	9091	-20.991	-17.6685	-1.3755	-3.132	34.3155	1837.616	1
49091_9091	49091	9091	36.1035	-85.479	2.052	6.4575	-29.3895	-1740.43	1
49091_9092	49091	9092	-16.365	-12.1215	-0.9375	-0.8265	23.895	1421.811	1
49092_9092	49092	9092	35.4945	-90.414	-4.524	6.4785	-4.4115	-1251.91	1
49092_9093	49092	9093	12.855	-9.2985	0.144	1.0365	0.8655	470.7435	1
49093_9093	49093	9093	34.932	-96.9165	-3.96	5.7915	-59.325	-761.457	1
49093_9094	49093	9094	8.076	-9.0345	0.12	2.0595	4.809	567.48	1
49094_9094	49094	9094	-111.825	-18.279	7.0185	2.7375	-227.441	-1136.81	1
49094_9095	49094	9095	74.7345	-81.099	-5.6145	2.316	104.991	950.667	1
49095_9095	49095	9095	-104.283	-22.227	7.1295	-0.345	-152.903	-1296.07	1
49095_9096	49095	9096	70.0725	-75.6195	-5.2095	4.4955	51.0765	1154.502	1
49096_9096	49096	9096	-97.986	-26.001	6.996	-1.1445	-90.6405	-1413.01	1
49096_9097	49096	9097	66.372	-69.9555	-4.6125	4.7295	5.3625	1325.708	1
49097_9097	49097	9097	-91.1715	-28.6845	0.873	3.18	-30.537	-1512.04	1
49097_9098	49097	9098	63.627	-65.76	-0.099	1.26	-0.723	1484.898	1
49098_9098	49098	9098	-84.4725	-33.105	0.852	0.7845	-19.005	-1598.77	1
49098_9099	49098	9099	61.9155	-59.694	-0.0165	3.6345	-4.6995	1599.173	1
49099_9099	49099	9099	-78.135	-37.989	0.732	-0.078	-8.6475	-1659.79	1
49099_9100	49099	9100	61.2645	-53.7585	0.15	4.128	-6.0465	1669.16	1
49100_9100	49100	9100	-72.7635	-40.1085	0.369	3.1695	-0.5325	-1696.34	1
49100_9101	49100	9101	61.476	-52.8465	0.1995	0.5895	-5.385	1714.514	1
49101_9101	49101	9101	-69.3255	-44.1075	0.2865	2.9265	2.481	-1720.22	1
49101_9102	49101	9102	62.2515	-48.4125	0.276	1.0815	-3.576	1732.653	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49102_9102	49102	9102	-66.57	-48.3795	0.2175	2.4105	4.5555	-1728.01	1
49102_9103	49102	9103	63.6255	-44.1255	0.348	1.686	-0.8085	1726.181	1
49103_9103	49103	9103	-64.3815	-52.821	0.2535	-0.912	5.7075	-1711.36	1
49103_9104	49103	9104	65.7225	-40.1265	0.3225	4.6575	2.2545	1704.033	1
49104_9104	49104	9104	-62.751	-53.703	0.126	4.8165	6.3585	-1668.09	1
49104_9105	49104	9105	69.36	-38.0115	0.777	-0.81	11.139	1669.1	1
49105_9105	49105	9105	-61.488	-59.625	0.0345	2.49	4.383	-1600.56	1
49105_9106	49105	9106	74.0745	-33.096	0.8145	2.0235	21.7035	1609.458	1
49106_9106	49106	9106	-61.296	-65.703	-0.1275	1.8165	0.3465	-1488.83	1
49106_9107	49106	9107	79.23	-28.653	0.951	2.565	34.38	1523.271	1
49107_9107	49107	9107	-62.151	-69.855	-4.608	4.722	-6.495	-1331.9	1
49107_9108	49107	9108	84.6405	-25.947	6.9675	-0.9825	94.956	1424.183	1
49108_9108	49108	9108	-64.0725	-75.546	-5.2005	4.38	-52.7355	-1162.66	1
49108_9109	49108	9109	89.649	-22.131	7.092	-0.1005	157.5315	1306.212	1
49109_9109	49109	9109	-67.011	-81.0435	-5.6505	2.5995	-107.073	-960.44	1
49109_9110	49109	9110	95.775	-18.1275	7.0515	2.433	233.1375	1144.118	1
49110_9110	49110	9110	-16.239	-5.2245	0.0855	1.251	2.454	-394.299	1
49110_9111	49110	9111	-48.918	-94.1685	-4.032	6.1275	68.247	811.563	1
49111_9111	49111	9111	21.8745	-9.0525	1.5345	-1.7025	-53.8215	-1037.97	1
49111_9112	49111	9112	-50.6085	-87.72	-4.602	6.288	13.9245	1262.847	1
49112_9112	49112	9112	27.69	-13.53	-0.8475	-0.7815	-29.6955	-1451.86	1
49112_9113	49112	9113	-52.05	-82.929	1.8015	6.5115	36.741	1707.447	1
49113_9113	49113	9113	33.996	-19.053	-1.275	-3.1605	-39.72	-1838.68	1
49113_9114	49113	9114	-52.476	-76.8375	1.7955	8.112	58.6455	2031.711	1
49114_9114	49114	9114	39.3105	-21.5625	-0.4515	-1.026	-56.1165	-2128.81	1
49114_9115	49114	9115	-52.6095	-75.921	0.711	6.342	65.175	2262.969	1
49115_9115	49115	9115	42.6525	-25.53	-0.504	-1.7685	-61.452	-2326.31	1
49115_9116	49115	9116	-53.5455	-67.4085	0.678	7.563	75.69	2564.573	1
49116_9116	49116	9116	47.0535	-28.644	0.5055	2.229	-71.103	-2584.08	1
49116_9117	49116	9117	-54.312	-65.2935	-0.7185	3.0585	68.277	2783.201	1
49117_9117	49117	9117	49.851	-35.058	0.51	-3.4605	-66.909	-2776.98	1
49117_9118	49117	9118	-54.7365	-57.9285	-0.6555	8.7555	60.6735	2917.142	1
49118_9118	49118	9118	51.849	-36.489	0.4185	4.2255	-61.077	-2908.65	1
49118_9119	49118	9119	-54.87	-56.4435	-0.5625	1.1055	54.3975	3030.05	1
49119_9119	49119	9119	53.247	-43.3455	0.39	-1.8945	-56.1135	-3024.42	1
49119_9120	49119	9120	-54.7785	-49.1415	-0.4935	7.2675	48.4635	3052.424	1
49120_9120	49120	9120	54.144	-44.2245	0.2355	5.934	-50.55	-3061.82	1
49120_9121	49120	9121	-54.4335	-47.7255	-0.297	-0.4545	44.994	3057.98	1
49121_9121	49121	9121	54.672	-51.8925	0.1755	0	-46.806	-3088.47	1
49121_9122	49121	9122	-53.811	-40.0845	-0.2295	5.421	42.06	2962.353	1
49122_9122	49122	9122	54.87	-53.5155	0.147	8.9355	-43.3995	-3012.92	1
49122_9123	49122	9123	-52.8765	-39.087	-0.198	-3.5415	40.2675	2859.597	1
49123_9123	49123	9123	54.7935	-60.8145	0.0285	0.5835	-41.037	-2922.42	1
49123_9124	49123	9124	-51.5295	-32.2905	-0.0915	4.6155	39.333	2681.379	1
49124_9124	49124	9124	54.522	-62.1525	-0.2475	8.9175	-39.7905	-2742.6	1
49124_9125	49124	9125	-49.6095	-31.038	0.0885	-3.291	40.9005	2494.527	1
49125_9125	49125	9125	53.9955	-69.477	-0.3105	3.594	-42.183	-2544.8	1
49125_9126	49125	9126	-46.854	-24.768	0.0915	1.9185	41.3265	2256.668	1
49126_9126	49126	9126	53.1765	-71.7345	1.3335	8.4465	-44.628	-2263.89	1
49126_9127	49126	9127	-42.6135	-21.906	-0.924	-2.691	27.8475	1962.68	1
49127_9127	49127	9127	52.356	-80.0025	1.2315	4.554	-26.4375	-1884.69	1
49127_9128	49127	9128	-39.3615	-18.1125	-0.8145	0.6225	21.1365	1740.303	1
49128_9128	49128	9128	52.347	-80.595	2.3295	8.1885	-16.596	-1613.5	1
49128_9129	49128	9129	-34.074	-16.194	-1.7355	-3.489	2.145	1446.92	1
49129_9129	49129	9129	52.1055	-86.502	2.3145	5.628	9.6135	-1254.53	1
49129_9130	49129	9130	-27.759	-11.034	-1.2045	-0.0225	-8.4645	1079.025	1
49130_9130	49130	9130	50.7855	-91.0125	-4.626	6.1605	36.621	-778.343	1
49130_9131	49130	9131	17.061	-9.729	0.516	1.35	26.655	641.673	1
49131_9131	49131	9131	49.2045	-97.2495	-4.236	5.5695	-24.087	-315.72	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49131_9132	49131	9132	15.0045	-9.303	0.492	1.152	33.4035	748.4055	1
49132_9132	49132	9132	-116.55	-13.9065	7.386	1.6545	-195.621	-848.46	1
49132_9133	49132	9133	73.5765	-83.697	-6.7215	3.312	96.5595	741.384	1
49133_9133	49133	9133	-107.888	-18.0795	7.3965	0.264	-123.2	-1069.05	1
49133_9134	49133	9134	67.9425	-77.7435	-6.1695	4.4985	39.459	988.3335	1
49134_9134	49134	9134	-100.589	-22.0965	7.554	-2.19	-62.247	-1217.43	1
49134_9135	49134	9135	63.3195	-71.5515	-5.7	6.0015	-10.92	1188.341	1
49135_9135	49135	9135	-92.793	-25.6455	0.156	2.5365	-0.171	-1346.72	1
49135_9136	49135	9136	59.73	-66.372	0.2985	1.7985	-10.0185	1368.771	1
49136_9136	49136	9136	-85.053	-30.3975	0.1755	0.264	3.3	-1456.39	1
49136_9137	49136	9137	57.216	-59.7525	0.2895	4.0695	-8.256	1499.28	1
49137_9137	49137	9137	-77.655	-35.655	0.09	-0.525	6.0525	-1536.31	1
49137_9138	49137	9138	55.8405	-53.28	0.357	4.458	-5.403	1579.838	1
49138_9138	49138	9138	-71.244	-38.211	-0.1365	4.05	7.083	-1587.6	1
49138_9139	49138	9139	55.548	-51.978	0.2475	-0.252	-3.321	1628.438	1
49139_9139	49139	9139	-67.065	-42.537	-0.0465	1.203	6.069	-1618.97	1
49139_9140	49139	9140	55.869	-47.1405	0.1635	2.925	-1.497	1647.185	1
49140_9140	49140	9140	-63.5985	-47.181	-0.063	0.621	5.43	-1632.33	1
49140_9141	49140	9141	56.832	-42.486	0.171	3.348	0.4305	1638.542	1
49141_9141	49141	9141	-60.7485	-52.014	-0.177	2.6505	4.5735	-1618.47	1
49141_9142	49141	9142	58.5555	-38.1345	0.279	1.23	2.982	1610.832	1
49142_9142	49142	9142	-58.4895	-53.235	0.1965	3.417	2.865	-1573.88	1
49142_9143	49142	9143	61.7565	-35.619	0.3165	0.7635	7.284	1565.591	1
49143_9143	49143	9143	-56.457	-59.7225	0.03	4.6335	2.4255	-1500.58	1
49143_9144	49143	9144	66.0465	-30.327	0.465	-0.2985	13.4805	1490.493	1
49144_9144	49144	9144	-55.563	-66.348	0.0135	2.3565	0.0135	-1376.7	1
49144_9145	49144	9145	70.773	-25.533	0.456	2.1105	20.1765	1384.574	1
49145_9145	49145	9145	-55.7835	-71.3295	-4.3185	4.9305	-3.417	-1202.59	1
49145_9146	49145	9146	75.7395	-22.1775	6.174	-1.026	72.0465	1260.135	1
49146_9146	49146	9146	-57.171	-77.5275	-4.8855	5.6925	-44.3715	-1010.24	1
49146_9147	49146	9147	80.292	-18.1125	6.324	-1.647	125.5395	1114.581	1
49147_9147	49147	9147	-59.658	-83.4825	-5.235	3.261	-92.4555	-773.898	1
49147_9148	49147	9148	85.797	-13.8435	6.1995	1.899	188.718	903.1005	1
49148_9148	49148	9148	-36.003	-6.0195	0.213	0.7395	-5.772	-585.984	1
49148_9149	49148	9149	-73.8255	-92.2845	-3.7755	5.6715	34.3755	517.1835	1
49149_9149	49149	9149	36.9705	-9.447	1.197	-0.5385	-32.52	-842.132	1
49149_9150	49149	9150	-78.5085	-86.058	-4.4085	5.9025	-20.6385	925.122	1
49150_9150	49150	9150	46.2975	-13.9935	-0.9645	-1.233	-7.413	-1211.75	1
49150_9151	49150	9151	-82.7175	-81.348	2.0025	7.152	2.31	1331.373	1
49151_9151	49151	9151	56.271	-19.146	-1.365	-0.852	-14.517	-1536.85	1
49151_9152	49151	9152	-85.0575	-75.675	1.8345	6.591	23.31	1613.415	1
49152_9152	49152	9152	64.6125	-21.597	-0.585	-1.176	-28.932	-1786.6	1
49152_9153	49152	9153	-86.2245	-74.7375	1.053	6.591	31.5345	1831.569	1
49153_9153	49153	9153	69.942	-25.4715	-0.6435	-0.4155	-33.6465	-1949.79	1
49153_9154	49153	9154	-88.266	-65.937	0.9465	6.447	44.52	2104.589	1
49154_9154	49154	9154	77.2935	-29.3175	0.1575	1.962	-43.9725	-2169.98	1
49154_9155	49154	9155	-89.304	-62.886	-0.0645	3.6765	43.203	2297.828	1
49155_9155	49155	9155	81.9645	-35.973	0.087	-1.0485	-43.248	-2324.95	1
49155_9156	49155	9156	-89.499	-55.1655	0.03	6.684	42.7995	2405.966	1
49156_9156	49156	9156	85.359	-38.34	0.1845	3.7515	-42.87	-2421.46	1
49156_9157	49156	9157	-88.977	-53.253	-0.051	1.8975	41.727	2483.117	1
49157_9157	49157	9157	87.564	-44.913	0.0945	0.438	-41.649	-2488.8	1
49157_9158	49157	9158	-87.7845	-46.3635	0.054	5.229	41.7615	2490.054	1
49158_9158	49158	9158	88.8975	-46.695	0.0405	5.403	-41.268	-2493.54	1
49158_9159	49158	9159	-85.8855	-44.6175	0.12	0.246	42.6885	2480.3	1
49159_9159	49159	9159	89.4885	-53.568	-0.069	2.091	-41.67	-2481.54	1
49159_9160	49159	9160	-83.202	-38.034	0.2085	3.567	44.3895	2407.845	1
49160_9160	49160	9160	89.3865	-55.6005	0.036	6.078	-43.2525	-2399.64	1
49160_9161	49160	9161	-79.38	-35.5905	0.063	-0.2805	44.736	2304.669	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49161_9161	49161	9161	88.518	-63.303	0.03	4.974	-43.8915	-2285.15	1
49161_9162	49161	9162	-74.3985	-28.9245	0.06	0.855	44.5335	2142.119	1
49162_9162	49162	9162	86.8245	-66.4365	1.083	6.3885	-44.3535	-2085.17	1
49162_9163	49162	9163	-66.8535	-25.044	-0.777	-0.204	32.6265	1912.968	1
49163_9163	49163	9163	84.1005	-75.243	1.239	7.257	-29.6625	-1800.49	1
49163_9164	49163	9164	-61.4865	-21.1485	-0.738	-1.728	26.841	1742.589	1
49164_9164	49164	9164	82.5945	-76.3545	1.9215	6.8325	-20.064	-1576.55	1
49164_9165	49164	9165	-53.2005	-18.6	-1.434	-1.0335	12.069	1485.513	1
49165_9165	49165	9165	79.896	-82.0965	2.0865	7.044	1.671	-1278.54	1
49165_9166	49165	9166	-43.413	-13.434	-1.0185	-1.1235	4.8255	1151.309	1
49166_9166	49166	9166	75.4845	-87.093	-4.398	5.943	25.3605	-860.621	1
49166_9167	49166	9167	-34.3275	-8.8095	1.1685	-1.032	30.468	779.4645	1
49167_9167	49167	9167	70.743	-93.3315	-3.81	5.535	-30.345	-440.156	1
49167_9168	49167	9168	41.901	-6.591	0.162	0.9855	8.0355	670.3995	1
49168_9168	49168	9168	-92.313	-13.9245	6.3975	1.6485	-189.045	-886.422	1
49168_9169	49168	9169	63.777	-83.8365	-5.424	3.504	93.3555	754.6455	1
49169_9169	49169	9169	-86.538	-18.1095	6.5175	-1.761	-124.617	-1097.84	1
49169_9170	49169	9170	60.6765	-77.9475	-5.0535	5.8455	44.244	996.4335	1
49170_9170	49170	9170	-81.6735	-22.1025	6.36	-1.1625	-70.0755	-1243.3	1
49170_9171	49170	9171	58.626	-71.8005	-4.464	5.118	2.523	1193.789	1
49171_9171	49171	9171	-76.2885	-25.5345	0.705	0.9555	-17.163	-1368.96	1
49171_9172	49171	9172	57.6795	-66.663	-0.171	3.4785	-1.7625	1372.593	1
49172_9172	49172	9172	-71.0865	-30.27	0.5325	1.9725	-9.024	-1476.56	1
49172_9173	49172	9173	57.8055	-60.072	-0.0015	2.598	-3.8055	1501.118	1
49173_9173	49173	9173	-66.24	-35.502	0.5415	-0.6765	-2.853	-1554.08	1
49173_9174	49173	9174	59.04	-53.6145	0.0345	4.8225	-4.734	1580.048	1
49174_9174	49174	9174	-62.4375	-38.2875	0.1395	1.9125	2.454	-1603.98	1
49174_9175	49174	9175	60.6795	-52.0695	0.0375	1.8885	-4.554	1626.474	1
49175_9175	49175	9175	-60.2265	-42.6135	0.012	4.128	3.549	-1633.14	1
49175_9176	49175	9176	62.8905	-47.271	0.1605	-0.1635	-3.4425	1642.493	1
49176_9176	49176	9176	-58.749	-47.2425	0.0885	1.0935	3.8415	-1643.68	1
49176_9177	49176	9177	65.7	-42.6465	0.075	2.958	-2.6535	1631.676	1
49177_9177	49177	9177	-57.8895	-52.041	0.066	0.543	4.3935	-1627.31	1
49177_9178	49177	9178	69.207	-38.334	0.099	3.243	-1.6485	1602.806	1
49178_9178	49178	9178	-57.618	-53.6805	-0.0165	4.8705	4.5375	-1580.96	1
49178_9179	49178	9179	74.6895	-35.52	0.618	-0.78	4.3275	1552.859	1
49179_9179	49179	9179	-58.2135	-60.132	-0.0615	2.664	2.97	-1500.94	1
49179_9180	49179	9180	81.1335	-30.3165	0.6	1.8735	11.1315	1475.801	1
49180_9180	49180	9180	-59.9175	-66.714	-0.24	3.558	0.2115	-1371.5	1
49180_9181	49180	9181	87.867	-25.608	0.786	0.864	19.9635	1369.308	1
49181_9181	49181	9181	-62.664	-71.8875	-4.3935	5.622	-4.8795	-1192.09	1
49181_9182	49181	9182	94.6755	-22.1655	6.2385	-1.5435	71.892	1245.021	1
49182_9182	49182	9182	-66.4335	-78.021	-4.8945	5.148	-46.0995	-994.206	1
49182_9183	49182	9183	100.899	-18.204	6.291	-0.5805	124.5765	1102.148	1
49183_9183	49183	9183	-71.19	-83.8965	-5.4	4.2795	-93.9675	-752.621	1
49183_9184	49183	9184	108.1815	-14.076	6.36	0.6675	188.307	894.2625	1
49184_9184	49184	9184	-16.0305	-8.19	0.2475	1.0425	-10.6725	-574.395	1
49184_9185	49184	9185	-55.179	-95.8245	-3.7245	5.484	29.5455	421.3635	1
49185_9185	49185	9185	-17.4435	-8.6295	0.261	0.8505	-6.972	-476.807	1
49185_9186	49185	9186	-57.8565	-89.457	-4.317	5.9025	-25.8135	884.0715	1
49186_9186	49186	9186	31.926	-12.363	-1.0365	-0.759	-5.6985	-1137.45	1
49186_9187	49186	9187	-60.246	-84.0555	2.142	6.4455	-1.7775	1346.432	1
49187_9187	49187	9187	39.342	-17.6325	-1.509	-1.404	-13.086	-1502.71	1
49187_9188	49187	9188	-61.317	-77.928	2.031	6.858	20.604	1686.375	1
49188_9188	49188	9188	45.6195	-20.4795	-0.7245	-1.0935	-28.6425	-1789.06	1
49188_9189	49188	9189	-61.7835	-76.185	1.3275	7.4325	30.5985	1930.857	1
49189_9189	49189	9189	49.6305	-24.4695	-0.8235	-0.369	-34.3035	-1976.4	1
49189_9190	49189	9190	-63.021	-67.2225	1.266	7.38	47.514	2239.538	1
49190_9190	49190	9190	55.0785	-28.7145	-0.0915	0.4335	-47.2035	-2239.73	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49190_9191	49190	9191	-63.723	-63.597	0.3075	7.23	50.265	2451.012	1
49191_9191	49191	9191	58.5255	-35.3805	-0.0765	0.9945	-49.656	-2424.38	1
49191_9192	49191	9192	-63.768	-55.923	0.273	6.657	52.5525	2573.357	1
49192_9192	49192	9192	60.966	-38.214	-0.009	4.5225	-51.6615	-2548.13	1
49192_9193	49192	9193	-63.3075	-53.6355	0.231	2.649	54.2475	2655.843	1
49193_9193	49193	9193	62.5275	-44.766	-0.105	0.786	-53.055	-2632.93	1
49193_9194	49193	9194	-62.3505	-46.854	0.327	6.438	56.934	2666.855	1
49194_9194	49194	9194	63.4545	-47.037	-0.0825	6.798	-55.44	-2652.47	1
49194_9195	49194	9195	-60.858	-44.679	0.276	0.3165	59.0385	2655.333	1
49195_9195	49195	9195	63.8085	-53.8545	-0.1845	3.048	-57.7035	-2647.17	1
49195_9196	49195	9196	-58.7535	-38.2545	0.354	4.0905	61.71	2581.79	1
49196_9196	49196	9196	63.666	-56.3115	0.108	8.739	-60.966	-2570.28	1
49196_9197	49196	9197	-55.7685	-35.508	0.0795	-1.71	61.371	2472.189	1
49197_9197	49197	9197	62.9445	-63.9375	0.021	5.346	-61.191	-2452.96	1
49197_9198	49197	9198	-51.9615	-29.0295	0.156	1.755	61.3365	2304.915	1
49198_9198	49198	9198	61.599	-67.6395	1.3905	9.3825	-62.2365	-2250.81	1
49198_9199	49198	9199	-46.2255	-24.888	-1.0095	-2.2545	44.685	2063.475	1
49199_9199	49199	9199	59.5695	-76.44	1.404	7.1025	-43.194	-1962.33	1
49199_9200	49199	9200	-42.201	-21.015	-0.8175	-0.372	37.653	1892.915	1
49200_9200	49200	9200	58.6995	-78.399	1.6905	9.4395	-31.992	-1732.06	1
49200_9201	49200	9201	-36.06	-17.958	-1.341	-2.643	23.4345	1618.112	1
49201_9201	49201	9201	57.1725	-84.435	1.7985	8.9565	-12.585	-1411.83	1
49201_9202	49201	9202	-28.9905	-12.7665	-0.9255	-1.5315	15.9195	1261.011	1
49202_9202	49202	9202	54.48	-89.814	-4.6665	8.271	8.6295	-971.826	1
49202_9203	49202	9203	-22.656	-8.088	1.221	-1.347	39.645	867.9285	1
49203_9203	49203	9203	51.7185	-96.0435	-3.939	8.277	-47.5755	-528.506	1
49203_9204	49203	9204	16.815	-7.26	0.2175	0.963	2.2695	534.3825	1
49204_9204	49204	9204	-108.651	-17.0235	7.0215	2.3925	-225.03	-1023.04	1
49204_9205	49204	9205	74.124	-82.506	-5.649	3.7305	106.7985	838.3545	1
49205_9205	49205	9205	-101.625	-20.964	7.071	-1.8135	-151.481	-1215.9	1
49205_9206	49205	9206	69.987	-77.034	-5.208	6.6525	53.3325	1067.568	1
49206_9206	49206	9206	-95.7315	-24.6915	6.9525	-2.8905	-90.462	-1339.39	1
49206_9207	49206	9207	66.8835	-71.3355	-4.611	6.9675	7.8735	1250.657	1
49207_9207	49207	9207	-89.3325	-27.9945	1.2705	3.8865	-31.2675	-1445.82	1
49207_9208	49207	9208	64.815	-66.351	-0.4485	1.05	-0.8715	1417.073	1
49208_9208	49208	9208	-83.088	-32.4225	1.257	1.5285	-16.9755	-1534.69	1
49208_9209	49208	9209	63.816	-60.219	-0.339	3.5655	-6.993	1539.924	1
49209_9209	49209	9209	-77.2095	-37.3125	1.233	-1.2285	-3.7935	-1597.77	1
49209_9210	49209	9210	63.9	-54.1995	-0.216	5.7615	-10.533	1619.072	1
49210_9210	49210	9210	-72.3465	-39.7845	0.015	6.33	7.848	-1637.2	1
49210_9211	49210	9211	64.656	-52.83	0.2955	-2.8395	-8.5275	1668.899	1
49211_9211	49211	9211	-69.339	-43.8225	0.081	3.72	8.484	-1661.74	1
49211_9212	49211	9212	65.973	-48.3435	0.225	0.4635	-6.4635	1692.207	1
49212_9212	49212	9212	-67.0455	-48.1425	0.153	0.696	9.147	-1670.78	1
49212_9213	49212	9213	67.869	-44.0235	0.153	3.549	-4.515	1691.75	1
49213_9213	49213	9213	-65.3595	-52.629	0.2205	-2.5785	9.882	-1655.91	1
49213_9214	49213	9214	70.425	-39.9885	0.0825	6.2505	-2.7225	1675.968	1
49214_9214	49214	9214	-64.2555	-54.081	-0.4095	7.056	10.53	-1614.42	1
49214_9215	49214	9215	74.61	-37.587	1.413	-3.8145	11.127	1648.989	1
49215_9215	49215	9215	-63.7185	-60.0615	-0.45	3.489	4.2915	-1545.63	1
49215_9216	49215	9216	79.689	-32.7315	1.3425	0.843	25.7955	1599.258	1
49216_9216	49216	9216	-64.263	-66.177	-0.474	-0.543	-3.8025	-1433.7	1
49216_9217	49216	9217	85.044	-28.338	1.2435	4.893	40.4715	1524.626	1
49217_9217	49217	9217	-65.8725	-70.8195	-4.767	8.379	-13.677	-1278.6	1
49217_9218	49217	9218	90.5475	-25.605	6.6075	-6.327	97.4445	1437.659	1
49218_9218	49218	9218	-68.4735	-76.4205	-5.001	4.707	-60.567	-1110.37	1
49218_9219	49218	9219	95.4555	-21.885	6.2955	-0.171	152.148	1335.005	1
49219_9219	49219	9219	-72.015	-81.819	-5.391	2.4915	-111.819	-900.579	1
49219_9220	49219	9220	101.0955	-17.9715	6.213	2.508	216.669	1173.176	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49220_9220	49220	9220	-12.1545	-11.6265	-0.189	2.6415	19.959	-528.522	1
49220_9221	49220	9221	-42.303	-92.001	-3.123	5.172	54.732	918.822	1
49221_9221	49221	9221	-13.806	-11.9565	-0.1605	0.963	18.3825	-387.3	1
49221_9222	49221	9222	-44.127	-85.0875	-3.636	6.8955	9.567	1368.65	1
49222_9222	49222	9222	22.1595	-15.939	-0.537	2.004	-31.0455	-1494.1	1
49222_9223	49222	9223	-45.855	-78.885	1.584	2.469	26.5575	1796.885	1
49223_9223	49223	9223	27.954	-22.017	-1.0695	-6.0825	-35.6685	-1857.79	1
49223_9224	49223	9224	-46.794	-72.126	1.767	9.5955	45.2565	2088.432	1
49224_9224	49224	9224	33.1215	-25.515	-0.387	4.0125	-47.9205	-2124.17	1
49224_9225	49224	9225	-47.3295	-69.8775	0.7755	0.057	51.273	2287.199	1
49225_9225	49225	9225	36.48	-29.916	-0.582	-3.2685	-51.882	-2295.28	1
49225_9226	49225	9226	-48.7065	-60.0795	0.9345	7.815	64.506	2528.28	1
49226_9226	49226	9226	41.4	-35.475	0.156	4.83	-62.4165	-2510.68	1
49226_9227	49226	9227	-49.3995	-55.6395	-0.213	-0.45	62.0055	2653.929	1
49227_9227	49227	9227	44.559	-42.783	0.075	-2.364	-61.9065	-2629.62	1
49227_9228	49227	9228	-49.2615	-47.787	-0.0975	6.8505	60.0525	2682.273	1
49228_9228	49228	9228	46.8735	-46.7055	0.228	6.816	-60.981	-2671.64	1
49228_9229	49228	9229	-48.3075	-44.0205	-0.27	-2.5155	56.481	2665.166	1
49229_9229	49229	9229	48.495	-54.5295	0.123	-0.444	-58.5825	-2662.42	1
49229_9230	49229	9230	-46.3785	-36.756	-0.168	4.7985	53.0985	2568.057	1
49230_9230	49230	9230	49.3275	-58.9155	0.7365	8.7975	-56.535	-2557.94	1
49230_9231	49230	9231	-43.3755	-32.9355	-0.4605	-5.016	46.0365	2427.684	1
49231_9231	49231	9231	49.3485	-67.275	0.624	3.198	-47.2125	-2393.27	1
49231_9232	49231	9232	-40.521	-27.873	-0.309	0.9705	42.4005	2277.71	1
49232_9232	49232	9232	49.05	-73.3125	0.4125	-5.574	-41.493	-2205.98	1
49232_9233	49232	9233	-39.354	-26.394	-0.129	8.9955	42.006	2218.404	1
49233_9233	49233	9233	49.401	-72.171	2.427	9.6105	-40.218	-2133.99	1
49233_9234	49233	9234	-35.544	-24.2955	-1.7685	-6.3435	25.554	2032.806	1
49234_9234	49234	9234	49.08	-77.745	2.3325	5.109	-17.8845	-1901.77	1
49234_9235	49234	9235	-32.298	-21.033	-1.473	-0.8685	16.635	1865.517	1
49235_9235	49235	9235	48.864	-81.7575	2.1555	0.528	-1.923	-1712.68	1
49235_9236	49235	9236	-29.457	-18.534	-1.167	3.732	12.3165	1721.033	1
49236_9236	49236	9236	48.5745	-83.8125	1.5285	7.1505	9.708	-1527.48	1
49236_9237	49236	9237	-25.065	-15.051	-2.784	-2.808	-8.799	1447.25	1
49237_9237	49237	9237	47.514	-88.8975	1.722	1.9065	22.7655	-1212.38	1
49237_9238	49237	9238	6.0765	-13.794	0.282	2.4135	0.2955	506.5605	1
49238_9238	49238	9238	45.954	-87.132	-7.149	14.4675	40.758	-883.452	1
49238_9239	49238	9239	6.3105	-14.2125	2.6205	0.4335	23.6775	634.0335	1
49239_9239	49239	9239	44.0235	-91.5735	-6.8445	12.8385	-20.952	-602.823	1
49239_9240	49239	9240	5.022	-14.136	2.7015	1.3365	35.9115	684.669	1
49240_9240	49240	9240	-115.731	-31.707	-4.0095	-20.2155	-122.795	-1417.83	1
49240_9241	49240	9241	88.407	-69.888	1.9515	21.075	108.021	1021.914	1
49241_9241	49241	9241	-112.191	-25.491	3.513	7.605	-144.771	-1436.25	1
49241_9242	49241	9242	86.934	-77.133	-1.827	-2.919	97.7385	1084.526	1
49242_9242	49242	9242	-110.145	-26.9325	3.63	4.5765	-131.847	-1478.94	1
49242_9243	49242	9243	82.0185	-69.123	-1.278	0.681	64.6425	1318.899	1
49243_9243	49243	9243	-101.886	-33.1665	3.453	-0.4815	-83.6895	-1593.31	1
49243_9244	49243	9244	79.899	-63.1935	-0.96	4.314	48.2805	1448.478	1
49244_9244	49244	9244	-95.778	-32.4495	3.4035	5.6175	-53.0925	-1632.33	1
49244_9245	49244	9245	79.1655	-62.256	-3.4965	-0.579	6.8745	1619.216	1
49245_9245	49245	9245	-89.379	-38.058	3.9285	0.4425	-14.9295	-1708.68	1
49245_9246	49245	9246	79.7175	-55.887	-3.369	4.3785	-26.1945	1714.448	1
49246_9246	49246	9246	-84.7125	-41.8995	-0.3885	4.8465	24.555	-1745.66	1
49246_9247	49246	9247	81.7485	-50.553	0.198	-0.6225	-21.3105	1782.392	1
49247_9247	49247	9247	-81.135	-48.5625	-0.078	-1.3035	22.926	-1765.56	1
49247_9248	49247	9248	84.8385	-44.631	-0.12	5.463	-19.866	1789.598	1
49248_9248	49248	9248	-79.4415	-52.815	-0.7545	4.782	23.808	-1738.25	1
49248_9249	49248	9249	89.193	-40.755	1.32	-0.87	-3.8085	1776.638	1
49249_9249	49249	9249	-78.99	-59.25	-0.7035	0.4515	15.477	-1676	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49249_9250	49249	9250	95.052	-35.1105	1.1535	3.924	12.8745	1731.783	1
49250_9250	49250	9250	-79.9035	-64.425	-4.3935	4.374	5.166	-1551.3	1
49250_9251	49250	9251	100.9785	-31.902	6.042	-0.702	78.9045	1671.138	1
49251_9251	49251	9251	-82.2615	-71.034	-4.8375	0.6765	-48.912	-1394.66	1
49251_9252	49251	9252	106.755	-27.2685	5.697	3.8325	140.1555	1574.153	1
49252_9252	49252	9252	-86.0685	-71.9865	3.9765	22.281	-110.283	-1199.54	1
49252_9253	49252	9253	108.7785	-30.507	-5.361	-23.799	124.4685	1550.349	1
49253_9253	49253	9253	-87.576	-73.863	4.326	20.9175	-101.042	-1149.97	1
49253_9254	49253	9254	113.613	-26.061	-5.6745	-19.983	72.642	1467.336	1
49254_9254	49254	9254	11.4945	-16.3305	11.118	-21.228	-31.3275	-867.06	1
49254_9255	49254	9255	-39.6285	-81.1125	-12.915	28.8945	-106.116	932.7	1
49255_9255	49255	9255	-32.0955	-12.987	0.822	2.5545	6.6765	-537.087	1
49255_9256	49255	9256	-42.4515	-85.461	6.7155	2.118	-26.007	1278.32	1
49256_9256	49256	9256	20.4915	-17.3205	-7.1205	-3.015	32.835	-1492.95	1
49256_9257	49256	9257	-44.394	-79.5195	6.501	7.2495	48.4395	1596.425	1
49257_9257	49257	9257	24.9315	-19.0995	0.921	3.6375	-47.325	-1772.04	1
49257_9258	49257	9258	-45.054	-82.1625	-0.981	0.012	43.9125	1739.616	1
49258_9258	49258	9258	27.099	-20.9295	0.894	0.852	-43.23	-1882.39	1
49258_9259	49258	9259	-47.007	-76.374	-0.849	3.414	35.2545	2001.765	1
49259_9259	49259	9259	31.356	-25.608	0.882	-4.8855	-34.221	-2110.27	1
49259_9260	49259	9260	-47.9685	-72.597	-0.6705	8.1255	31.074	2169.518	1
49260_9260	49260	9260	34.194	-26.952	-0.255	9.336	-28.0965	-2240.18	1
49260_9261	49260	9261	-48.3195	-72.999	0.2505	-6.4185	32.6235	2244.189	1
49261_9261	49261	9261	35.532	-28.4955	-0.381	2.436	-28.911	-2306.29	1
49261_9262	49261	9262	-50.883	-65.3475	0.3555	1.5345	39.4935	2477.405	1
49262_9262	49262	9262	39.867	-34.983	-0.5145	-5.7645	-34.1835	-2491.13	1
49262_9263	49262	9263	-52.776	-58.6545	0.474	9.108	46.1055	2606.399	1
49263_9263	49263	9263	43.371	-37.878	-0.4095	4.4385	-40.2465	-2596.03	1
49263_9264	49263	9264	-54.3075	-53.8395	0.042	-0.3435	49.1715	2709.395	1
49264_9264	49264	9264	47.079	-45.3435	-0.42	-0.8475	-46.068	-2693.79	1
49264_9265	49264	9265	-54.8835	-46.3035	0.048	4.95	50.4585	2714.067	1
49265_9265	49265	9265	50.0895	-49.623	-0.0525	6.3645	-50.481	-2701.96	1
49265_9266	49265	9266	-54.2955	-42.03	-0.159	-2.3085	48.8025	2680.68	1
49266_9266	49266	9266	52.542	-57.576	-0.0825	1.422	-50.7135	-2662.5	1
49266_9267	49266	9267	-52.614	-35.184	-0.1215	2.703	46.4385	2567.844	1
49267_9267	49267	9267	54.1575	-62.3865	1.32	8.109	-50.1855	-2531.72	1
49267_9268	49267	9268	-51.171	-34.164	-1.077	-4.788	38.748	2489.724	1
49268_9268	49268	9268	54.7365	-66.846	1.3215	6.6705	-40.881	-2431.03	1
49268_9269	49268	9269	-49.3065	-30.3435	-0.966	-2.7735	32.2755	2386.43	1
49269_9269	49269	9269	55.554	-70.8465	1.2405	3.0015	-31.2585	-2313.04	1
49269_9270	49269	9270	-45.7695	-25.7325	-0.7395	1.0575	25.812	2210.643	1
49270_9270	49270	9270	56.49	-74.3265	2.0775	9.003	-19.053	-2092.81	1
49270_9271	49270	9271	-41.3175	-23.0805	-1.353	-5.364	14.9835	1996.356	1
49271_9271	49271	9271	56.826	-79.782	1.9575	6.201	0.7665	-1842.62	1
49271_9272	49271	9272	-37.4415	-19.827	-1.0845	-1.7745	10.434	1804.14	1
49272_9272	49272	9272	56.3775	-84.036	1.7325	1.7115	13.41	-1613.88	1
49272_9273	49272	9273	-34.8975	-17.8965	-0.864	2.259	9.4845	1664.771	1
49273_9273	49273	9273	56.418	-85.5435	-3.6015	7.578	19.7655	-1459.9	1
49273_9274	49273	9274	13.4505	-13.665	-0.1965	0.1125	-13.92	496.5285	1
49274_9274	49274	9274	55.3365	-91.002	-3.021	4.161	-23.388	-1074.18	1
49274_9275	49274	9275	13.2825	-13.3365	-0.231	2.2845	-16.5135	670.0995	1
49275_9275	49275	9275	-108.107	-23.7555	5.199	0.894	-193.149	-1476.12	1
49275_9276	49275	9276	84.0045	-77.877	-3.3285	2.5905	105.7755	1061.966	1
49276_9276	49276	9276	-105.251	-25.974	5.178	-1.0215	-162.831	-1527.01	1
49276_9277	49276	9277	81.951	-74.9205	-3.1485	3.9855	82.119	1138.142	1
49277_9277	49277	9277	-102.341	-28.266	5.1795	-4.3605	-134.075	-1582.39	1
49277_9278	49277	9278	79.167	-68.8425	-2.697	5.853	40.347	1291.163	1
49278_9278	49278	9278	-96.867	-30.576	1.704	5.97	-79.098	-1646.6	1
49278_9279	49278	9279	77.736	-64.2525	-0.363	-1.0095	21.4875	1456.808	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49279_9279	49279	9279	-89.9445	-36.4845	1.836	-1.5495	-52.6005	-1702.8	1
49279_9280	49279	9280	78.4575	-56.226	-0.3255	5.2065	6.426	1558.613	1
49280_9280	49280	9280	-83.8425	-39.003	-0.438	6.2715	-26.244	-1711.57	1
49280_9281	49280	9281	81.426	-53.046	1.077	-1.7295	12.141	1642.937	1
49281_9281	49281	9281	-79.689	-46.0605	-0.309	-0.789	-27.9435	-1723.6	1
49281_9282	49281	9282	86.6655	-45.108	0.7485	5.0535	14.4345	1651.103	1
49282_9282	49282	9282	-77.7975	-51.0915	1.041	4.2945	-29.793	-1646.87	1
49282_9283	49282	9283	94.3365	-40.827	0.4575	-2.1555	12.1635	1606.124	1
49283_9283	49283	9283	-78.399	-59.4195	1.167	-2.712	-16.4535	-1548.12	1
49283_9284	49283	9284	103.032	-34.836	0.3645	5.0625	13.974	1561.359	1
49284_9284	49284	9284	-81.237	-62.3205	-2.2305	3.495	-5.928	-1387.05	1
49284_9285	49284	9285	111.501	-34.071	6.0825	-1.3725	77.1195	1537.937	1
49285_9285	49285	9285	-85.4355	-68.9445	-2.9475	-0.0915	-41.0805	-1239.33	1
49285_9286	49285	9286	119.0085	-29.631	6.2205	3.312	141.5175	1486.823	1
49286_9286	49286	9286	-90.6375	-71.307	3.8355	9.6135	-87.633	-1066.19	1
49286_9287	49286	9287	122.2275	-32.2965	-6.111	-8.2935	121.1865	1475.619	1
49287_9287	49287	9287	-93.4185	-73.6035	4.119	10.497	-78.549	-1005.34	1
49287_9288	49287	9288	129.0885	-28.368	-6.3015	-8.466	68.121	1439.04	1
49288_9288	49288	9288	2.502	-14.6925	9.255	-12.84	-14.9655	-813.548	1
49288_9289	49288	9289	-15.4785	-85.833	-11.1075	16.2585	-81.2325	1056.912	1
49289_9289	49289	9289	3.5115	-10.314	-5.6745	2.28	85.8705	-1142.04	1
49289_9290	49289	9290	-13.6905	-90.4875	5.481	0.348	-8.4735	1563.608	1
49290_9290	49290	9290	4.3935	-15.123	-5.904	-2.172	17.0265	-1576.18	1
49290_9291	49290	9291	-11.556	-84.5835	5.2125	4.461	54.477	2011.842	1
49291_9291	49291	9291	5.5695	-16.671	0.975	4.926	-53.37	-1962.54	1
49291_9292	49291	9292	-10.545	-87.3855	-0.2475	-3.4125	53.664	2176.566	1
49292_9292	49292	9292	6.0675	-18.378	0.8925	0.351	-49.992	-2103.77	1
49292_9293	49292	9293	-9.5205	-83.1165	-0.126	1.779	53.103	2478.789	1
49293_9293	49293	9293	6.762	-22.0215	0.7725	-4.143	-45.0555	-2367.11	1
49293_9294	49293	9294	-8.919	-78.786	-0.039	6.0645	53.7465	2757.719	1
49294_9294	49294	9294	7.236	-20.5515	0.87	9.018	-41.9865	-2606.02	1
49294_9295	49294	9295	-9.0735	-82.752	-1.4055	-8.172	49.089	2907.714	1
49295_9295	49295	9295	7.461	-22.3785	0.924	0.5835	-39.8835	-2744.73	1
49295_9296	49295	9296	-9.3765	-76.887	-1.4205	1.5555	36.3015	3257.444	1
49296_9296	49296	9296	8.0025	-27.2565	1.104	-6.669	-31.953	-3057.01	1
49296_9297	49296	9297	-9.579	-72.1365	-1.41	8.856	25.3725	3491.895	1
49297_9297	49297	9297	8.3685	-27.297	-0.0135	5.355	-22.905	-3283.25	1
49297_9298	49297	9298	-9.771	-70.1655	-0.3795	-3.84	22.6875	3796.413	1
49298_9298	49298	9298	8.832	-33.183	0.0555	-6.4635	-22.554	-3598.51	1
49298_9299	49298	9299	-9.894	-63.891	-0.438	8.7405	18.456	3992.268	1
49299_9299	49299	9299	9.1875	-33.9735	0.117	7.3935	-20.5515	-3832.25	1
49299_9300	49299	9300	-9.9285	-62.943	-0.372	-6.0195	14.7735	4164.062	1
49300_9300	49300	9300	9.4785	-39.8175	0.1545	-5.1975	-17.823	-4057.04	1
49300_9301	49300	9301	-9.8355	-55.233	-0.4065	7.0845	9.378	4244.994	1
49301_9301	49301	9301	9.744	-41.6175	0.252	9.8235	-13.146	-4220.13	1
49301_9302	49301	9302	-9.5955	-53.484	-0.453	-8.337	4.197	4262.816	1
49302_9302	49302	9302	9.894	-48.3465	0.276	-6.417	-7.9185	-4331.52	1
49302_9303	49302	9303	-9.1785	-46.116	-0.456	7.539	-1.254	4153.718	1
49303_9303	49303	9303	9.936	-49.725	0.2085	9.7245	-1.956	-4335.32	1
49303_9304	49303	9304	-8.499	-43.2225	-0.3585	-7.5135	-4.9935	3957.855	1
49304_9304	49304	9304	9.8475	-57.27	0.2295	-4.2825	2.9115	-4281.36	1
49304_9305	49304	9305	-7.6785	-35.847	-0.3585	5.0325	-8.244	3646.19	1
49305_9305	49305	9305	9.624	-59.286	-0.06	12.927	7.4955	-4115.97	1
49305_9306	49305	9306	-6.603	-32.2725	-0.1335	-9.4665	-7.9995	3243.651	1
49306_9306	49306	9306	9.252	-66.4065	-0.0465	-2.5065	8.2395	-3886.16	1
49306_9307	49306	9307	-5.043	-23.133	-0.168	2.8125	-8.0835	2600.34	1
49307_9307	49307	9307	8.6025	-71.1015	-0.636	9.7785	9.492	-3467.51	1
49307_9308	49307	9308	-3.3765	-16.941	0.1035	-4.6245	-4.2135	1880.057	1
49308_9308	49308	9308	7.749	-79.5465	-0.528	1.806	3.7215	-2947.67	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49308_9309	49308	9309	-2.0775	-9.5985	-0.009	0.144	-3.0015	1177.908	1
49309_9309	49309	9309	6.615	-86.0805	-1.077	8.283	0.5055	-2258.97	1
49309_9310	49309	9310	1.1445	-8.0145	-1.2975	1.449	-31.482	-84.5895	1
49310_9310	49310	9310	5.1525	-95.5275	-0.9105	2.6595	-8.52	-1384.81	1
49310_9311	49310	9311	1.14	-8.0145	-1.3005	1.1655	-46.644	8.808	1
49311_9311	49311	9311	3.438	-105.576	3.708	2.73	-12.3015	-319.479	1
49311_9312	49311	9312	1.245	-8.361	14.2935	-3.3435	0	35.8215	1

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95
	Max.	1.31	1.58	1.84	1.84	1.05			0.00	
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	
Fatigue I	Max/Min	1.5								

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
1000_1000	1000	1000	1.296	0.6855	-0.2745	0.2955	0	4.8345	1
1000_1001	1000	1001	0.4245	-0.3525	0.003	-0.015	0.045	3.6495	1
1001_1001	1001	1001	0.801	-2.3715	0.282	-0.258	4.8165	17.103	1
1001_1002	1001	1002	0.2415	-0.687	0.234	-0.267	6.507	7.521	1
9000_9000	9000	9000	5.7555	37.041	-0.834	-1.5645	0	21.354	1
9000_9001	9000	9001	58.4325	-92.862	0.183	1.026	1.5135	481.983	1
9001_9001	9001	9001	4.1955	-8.574	1.2195	0.342	10.1145	38.574	1
9001_9002	9001	9002	112.932	-85.6365	0.27	1.455	4.6455	925.524	1
9002_9002	9002	9002	10.1445	-8.241	-0.5805	0.3075	20.52	87.4305	1
9002_9003	9002	9003	173.586	-77.7465	-0.336	1.11	2.8395	1419.092	1
9003_9003	9003	9003	17.934	-8.2995	-0.5595	0.375	13.2225	151.1445	1
9003_9004	9003	9004	219.6735	-60.6945	-0.372	1.7955	-1.0245	1792.743	1
9004_9004	9004	9004	25.8375	-8.565	0.003	0.3	6.4605	214.98	1
9004_9005	9004	9005	257.9535	-56.2995	-0.0555	0.7185	-0.678	2104.391	1
9005_9005	9005	9005	33.957	-8.571	0.003	0.417	6.474	280.8315	1
9005_9006	9005	9006	283.452	-48.3075	-0.0885	1.7415	-0.8745	2312.172	1
9006_9006	9006	9006	42.117	-8.5365	0.111	0.2835	6.513	346.734	1
9006_9007	9006	9007	302.2245	-45.714	0.0525	0.546	0.741	2465.046	1
9007_9007	9007	9007	50.2425	-8.5365	0.111	0.3645	7.8615	412.3635	1
9007_9008	9007	9008	310.266	-38.367	0.0285	1.1625	2.031	2530.739	1
9008_9008	9008	9008	58.368	-8.7015	0.117	0.2775	9.2115	477.9825	1
9008_9009	9008	9009	314.3055	-37.047	0.0735	0.4455	3.993	2563.671	1
9009_9009	9009	9009	66.654	-8.7015	0.117	0.264	10.6335	544.9095	1
9009_9010	9009	9010	309.1305	-30.1215	0.048	0.543	5.553	2521.787	1
9010_9010	9010	9010	74.934	-8.973	0.1215	0.0675	12.0555	611.7795	1
9010_9011	9010	9011	304.1055	-3.861	0.1455	-0.7875	6.6735	2481.281	1
9011_9011	9011	9011	83.478	-8.973	0.123	0.33	13.5315	680.775	1
9011_9012	9011	9012	291.003	3.243	0.1185	0.348	8.6325	2375.351	1
9012_9012	9012	9012	92.019	-9.3345	0.108	-0.0525	15.0135	749.757	1
9012_9013	9012	9013	275.004	4.6035	0.207	-1.0335	11.6865	2245.671	1
9013_9013	9013	9013	100.9035	-9.3345	0.1095	0.2655	16.323	821.5095	1
9013_9014	9013	9014	251.2575	11.49	0.1695	0.0195	13.905	2053.124	1
9014_9014	9014	9014	109.785	-9.747	0.0855	-0.0735	17.637	893.247	1
9014_9015	9014	9015	216.1065	15.5805	-0.066	-0.906	12.7065	1767.824	1
9015_9015	9015	9015	133.53	-9.3915	0.0555	0.0405	12.63	1007.487	1
9015_9016	9015	9016	207.192	20.3955	-0.048	-0.105	8.0325	1619.595	1
9016_9016	9016	9016	137.2845	-9.2205	-0.018	-0.2565	13.086	1063.431	1
9016_9017	9016	9017	156.444	23.8365	-0.2835	-0.6015	4.6545	1369.683	1
9017_9017	9017	9017	133.0785	-8.9055	-0.018	-0.177	12.8925	1162.556	1
9017_9018	9017	9018	99.387	1.539	-0.1545	-0.069	3.318	1080.473	1
9018_9018	9018	9018	119.919	-9.0555	0.1095	-0.468	12.6405	1282.712	1
9018_9019	9018	9019	55.9815	5.5425	0.195	-0.351	6.7215	784.1415	1
9019_9019	9019	9019	103.8465	-9.2925	0.1125	-0.444	13.9125	1408.076	1
9019_9020	9019	9020	31.701	-2.9025	0.0045	-0.1485	6.2595	551.0145	1
9020_9020	9020	9020	56.616	34.203	-0.0135	-0.393	4.8615	751.8195	1
9020_9021	9020	9021	178.4055	-41.157	-1.0155	-0.168	23.637	796.212	1
9021_9021	9021	9021	28.593	24.1485	-0.192	-0.102	9.0045	539.7075	1
9021_9022	9021	9022	183.9045	-37.335	-0.7935	0.2145	11.169	850.977	1
9022_9022	9022	9022	5.835	18.6375	-0.315	-0.111	9.9165	434.6085	1
9022_9023	9022	9023	186.3375	-33.2385	-0.747	0.177	4.338	906.816	1
9023_9023	9023	9023	-17.1405	6.051	-0.2925	-0.1635	11.358	382.7835	1
9023_9024	9023	9024	188.2125	-30.1695	-0.108	-0.075	2.748	957.0015	1
9024_9024	9024	9024	-18.351	3.966	-0.297	-0.1515	9.426	357.1305	1
9024_9025	9024	9025	188.4615	-25.3305	-0.0915	-0.03	1.395	992.0505	1
9025_9025	9025	9025	-19.443	3.399	-0.282	-0.105	7.1325	338.4645	1
9025_9026	9025	9026	187.716	-20.061	-0.0795	0.1395	0.2745	1013.922	1
9026_9026	9026	9026	-17.9655	2.2335	-0.2385	-0.2025	5.001	323.2935	1
9026_9027	9026	9027	187.2555	-19.0455	-0.018	-0.2475	-0.0285	1027.407	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9027_9027	9027	9027	-19.1835	2.2335	-0.2205	-0.144	3.567	314.7615	1
9027_9028	9027	9028	185.9325	-14.8305	-0.0225	-0.024	-0.327	1031.027	1
9028_9028	9028	9028	-18.333	1.935	-0.2205	-0.1455	2.2965	307.0995	1
9028_9029	9028	9029	181.707	-32.0715	0.0195	0.126	-0.576	1018.862	1
9029_9029	9029	9029	-18.555	1.833	-0.219	-0.138	0.9945	299.826	1
9029_9030	9029	9030	180.243	-28.071	0.027	0.168	-0.42	1002.195	1
9030_9030	9030	9030	-17.796	1.134	-0.27	-0.2145	-0.2655	293.433	1
9030_9031	9030	9031	178.5315	-25.8315	0.093	-0.0495	0.4485	976.875	1
9031_9031	9031	9031	-18.618	1.134	-0.27	-0.2145	-2.4195	287.6595	1
9031_9032	9031	9032	175.7145	-20.9745	0.111	-0.0015	1.629	937.7385	1
9032_9032	9032	9032	-53.1225	-5.6865	0.291	0.183	5.4945	288.93	1
9032_9033	9032	9033	171.246	-16.53	0.117	0.1635	2.997	883.221	1
9033_9033	9033	9033	-46.4475	-9.96	0.51	0.051	7.3485	324.8745	1
9033_9034	9033	9034	166.2345	-13.731	0.789	-0.186	9.711	822.441	1
9034_9034	9034	9034	-11.253	-20.67	0.288	0.102	7.47	399.6315	1
9034_9035	9034	9035	160.0215	-10.017	0.8115	-0.1425	16.7955	752.7855	1
9035_9035	9035	9035	9.7605	-26.6175	0.24	0.396	8.724	544.788	1
9035_9036	9035	9036	150.405	-6.132	1.053	0.2685	33.1635	672.06	1
9036_9036	9036	9036	128.406	48.9225	0.5205	-1.263	-12.6765	1473.89	1
9036_9037	9036	9037	25.0215	-54.2925	-0.168	0.2385	4.635	710.6925	1
9037_9037	9037	9037	66.4035	14.2395	-0.081	0.5775	8.277	1290.692	1
9037_9038	9037	9038	59.7345	-49.2015	-0.2865	0.465	1.404	955.7385	1
9038_9038	9038	9038	77.658	12.921	0.033	0.1545	7.35	1132.106	1
9038_9039	9038	9039	102.8505	-44.397	0.2055	0.2145	3.018	1176.098	1
9039_9039	9039	9039	86.6955	12.0495	0.042	0.225	7.77	978.816	1
9039_9040	9039	9040	139.509	-39.123	0.246	0.4905	5.3895	1331.541	1
9040_9040	9040	9040	85.635	11.2275	0.027	0.0855	8.2755	869.712	1
9040_9041	9040	9041	158.718	-38.0175	0.1605	0.2625	6.6945	1447.598	1
9041_9041	9041	9041	92.9295	10.9935	0.012	0.0075	4.065	742.929	1
9041_9042	9041	9042	205.3065	-29.523	0.087	0.225	4.563	1504.692	1
9042_9042	9042	9042	76.845	10.4115	-0.027	-0.0525	4.257	641.0445	1
9042_9043	9042	9043	223.4985	-51.375	-0.0135	0.1845	4.6005	1623.834	1
9043_9043	9043	9043	64.872	10.4115	-0.0255	-0.0135	3.9345	565.2105	1
9043_9044	9043	9044	236.7795	-44.0385	-0.012	0.3615	4.464	1702.874	1
9044_9044	9044	9044	52.911	10.059	-0.0195	-0.081	3.636	489.444	1
9044_9045	9044	9045	248.277	-42.135	-0.0045	0.0765	4.4175	1768.664	1
9045_9045	9045	9045	41.3475	10.059	-0.018	-0.0495	3.4035	416.202	1
9045_9046	9045	9046	250.977	-34.788	-0.0015	0.276	4.374	1777.22	1
9046_9046	9046	9046	51.273	-10.4535	0.03	0.0465	3.4755	365.139	1
9046_9047	9046	9047	249.483	-9.708	0.0045	-0.195	4.4445	1776.119	1
9047_9047	9047	9047	63.288	-10.4535	0.03	0.0795	3.825	441.2415	1
9047_9048	9047	9048	241.707	-2.193	0.0075	0.0225	4.539	1718.316	1
9048_9048	9048	9048	75.3015	-10.728	0.0345	0.0075	4.1805	517.338	1
9048_9049	9048	9049	231.9525	-0.477	0.021	-0.291	4.824	1646.795	1
9049_9049	9049	9049	87.6285	-10.728	0.036	0.0525	4.596	595.419	1
9049_9050	9049	9050	219.1005	-17.526	0.024	0.06	4.926	1528.766	1
9050_9050	9050	9050	99.954	-11.157	0.0075	-0.0285	5.0175	673.494	1
9050_9051	9050	9051	196.617	-14.7075	-0.072	-0.1575	3.6165	1366.883	1
9051_9051	9051	9051	110.787	-10.971	0.009	-0.012	5.8575	804.4515	1
9051_9052	9051	9052	167.2725	-9.4185	-0.0735	-0.048	3.4605	1304.942	1
9052_9052	9052	9052	116.3985	-10.9305	0.0015	-0.102	5.8875	866.163	1
9052_9053	9052	9053	131.4705	-6.486	-0.1125	-0.2325	2.16	1148.582	1
9053_9053	9053	9053	105.711	-11.1525	0.0015	-0.381	8.022	1025.721	1
9053_9054	9053	9054	76.0125	-1.146	-0.114	-0.285	1.7955	993.849	1
9054_9054	9054	9054	97.506	-11.526	0.096	-0.4455	8.043	1159.784	1
9054_9055	9054	9055	42.1005	3.1515	0.1665	-0.3525	4.68	741.117	1
9055_9055	9055	9055	85.8135	-11.9265	0.0975	-0.5955	9.258	1299.405	1
9055_9056	9055	9056	26.784	-3.6525	0.003	-0.1425	2.67	485.4645	1
9056_9056	9056	9056	37.6245	31.0965	-0.0555	-0.5895	4.7925	696.8355	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9056_9057	9056	9057	173.922	-40.6365	-0.708	-0.231	15.378	845.181	1
9057_9057	9057	9057	5.721	21.5475	-0.192	-0.327	7.8765	525.8055	1
9057_9058	9057	9058	179.6355	-36.786	-0.6315	0.2025	8.0055	928.734	1
9058_9058	9058	9058	-22.9785	9.966	-0.351	-0.117	10.3635	439.383	1
9058_9059	9058	9059	183.8205	-32.5995	-0.615	0.519	2.481	996.9105	1
9059_9059	9059	9059	-26.3715	5.2665	-0.2385	-0.4155	8.58	402.081	1
9059_9060	9059	9060	187.1985	-29.5545	-0.063	-0.2805	1.4715	1056.981	1
9060_9060	9060	9060	-25.896	3.9465	-0.2235	-0.3015	6.8595	377.19	1
9060_9061	9060	9061	188.8335	-24.678	-0.063	0.099	0.5475	1099.703	1
9061_9061	9061	9061	-25.539	3.3195	-0.2205	-0.291	5.148	357.6165	1
9061_9062	9061	9062	189.2175	-19.398	-0.0495	0.2025	-0.1635	1126.31	1
9062_9062	9062	9062	-24.6525	2.4675	-0.168	-0.3765	3.4575	341.217	1
9062_9063	9062	9063	189.624	-18.6315	-0.012	-0.189	-0.3495	1143.605	1
9063_9063	9063	9063	-24.033	2.232	-0.1815	-0.4845	2.496	331.713	1
9063_9064	9063	9064	187.818	-36.4635	0.024	-0.2265	-0.531	1149.257	1
9064_9064	9064	9064	-21.3765	-1.7745	0.177	0.4725	0.513	334.245	1
9064_9065	9064	9065	187.641	-32.331	0.009	0.564	-0.4665	1142.336	1
9065_9065	9065	9065	-23.757	-2.076	0.165	0.3795	1.518	341.8425	1
9065_9066	9065	9066	186.4995	-28.386	0.021	0.288	-0.3015	1123.83	1
9066_9066	9066	9066	-25.206	-2.7405	0.21	0.2565	2.466	350.1645	1
9066_9067	9066	9067	185.184	-26.322	0.066	-0.1905	0.369	1095.722	1
9067_9067	9067	9067	-27.3825	-3.309	0.2235	0.357	4.0695	365.436	1
9067_9068	9067	9068	182.7735	-21.4695	0.0675	0.174	1.1835	1052.21	1
9068_9068	9068	9068	-28.1295	-3.8835	0.225	0.366	5.7945	384.0915	1
9068_9069	9068	9069	178.7025	-17.0145	0.0765	0.264	2.1555	991.578	1
9069_9069	9069	9069	-29.55	-5.5035	0.405	0.1605	7.416	408.234	1
9069_9070	9069	9070	174.1425	-14.406	0.648	-0.273	7.6515	924.5295	1
9070_9070	9070	9070	-27.927	-9.807	0.384	0.201	9.5445	446.127	1
9070_9071	9070	9071	168.1215	-10.6065	0.6645	-0.156	13.4535	846.213	1
9071_9071	9071	9071	0.5805	-21.759	0.249	0.4995	8.4195	541.518	1
9071_9072	9071	9072	160.05	-6.5745	0.762	0.2955	23.652	742.0605	1
9072_9072	9072	9072	67.797	12.4755	-0.1005	0.498	9.4845	1478.264	1
9072_9073	9072	9073	30.357	-54.9945	-0.177	0.3645	4.536	747.228	1
9073_9073	9073	9073	81.2175	11.7885	-0.096	0.606	8.2785	1327.25	1
9073_9074	9073	9074	66.051	-49.767	-0.2655	0.5715	1.431	1009.806	1
9074_9074	9074	9074	94.0485	11.046	0.0195	0.18	7.2	1188.215	1
9074_9075	9074	9075	110.625	-44.9895	0.171	0.276	2.823	1251.912	1
9075_9075	9075	9075	115.098	10.509	0.0165	0.2325	5.466	994.5495	1
9075_9076	9075	9076	165.4455	-39.504	0.1515	0.4905	3.609	1350.492	1
9076_9076	9076	9076	115.404	10.287	0.012	0.0465	5.6685	897.414	1
9076_9077	9076	9077	186.1845	-63.483	0.093	0.3525	4.4055	1479.314	1
9077_9077	9077	9077	101.8575	10.512	0.0165	0.0405	8.097	851.3205	1
9077_9078	9077	9078	198.3885	-55.512	0.135	0.801	8.1555	1706.535	1
9078_9078	9078	9078	90.1365	10.1355	-0.0555	-0.0945	8.373	759.6645	1
9078_9079	9078	9079	218.391	-53.403	-0.066	0.3855	7.5585	1855.8	1
9079_9079	9079	9079	80.5455	10.1355	-0.054	0.0255	7.7505	687.7275	1
9079_9080	9079	9080	231.8055	-46.647	-0.0705	0.834	6.807	1954.065	1
9080_9080	9080	9080	70.947	9.8145	-0.045	-0.1035	7.1445	615.732	1
9080_9081	9080	9081	243.8175	-45.4035	-0.0225	0.3705	6.6105	2040.692	1
9081_9081	9081	9081	61.653	9.8145	-0.045	-0.1035	6.6465	546.0195	1
9081_9082	9081	9082	248.6925	-38.661	-0.03	0.513	6.303	2072.897	1
9082_9082	9082	9082	52.359	9.6	-0.042	-0.183	6.1485	476.3085	1
9082_9083	9082	9083	252.354	-37.32	0.0015	0.018	6.3825	2095.005	1
9083_9083	9083	9083	43.218	9.588	-0.0405	-0.123	5.67	403.0695	1
9083_9084	9083	9084	247.824	-5.787	0.003	0.165	6.4095	2066.184	1
9084_9084	9084	9084	58.4205	-9.123	0.054	0.051	5.958	469.782	1
9084_9085	9084	9085	243.3915	-5.0445	0.0225	-0.531	6.6825	2027.949	1
9085_9085	9085	9085	66.7395	-9.1365	0.054	0.1395	6.5415	534.6045	1
9085_9086	9085	9086	231.906	1.7775	0.021	-0.0405	6.8805	1936.233	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9086_9086	9086	9086	75.3885	-9.393	0.06	-0.027	7.152	599.481	1
9086_9087	9086	9087	218.9985	2.94	0.0645	-0.6945	7.6275	1833.158	1
9087_9087	9087	9087	84.2565	-9.3945	0.06	0.078	7.8135	666.2505	1
9087_9088	9087	9088	199.611	9.69	0.0615	-0.2505	8.211	1680.59	1
9088_9088	9088	9088	93.1515	-9.813	0.021	-0.0555	8.4855	732.9615	1
9088_9089	9088	9089	178.9395	-12.891	-0.0855	-0.3465	6.3735	1489.784	1
9089_9089	9089	9089	102.6375	-9.6075	0.018	-0.054	7.7625	853.1565	1
9089_9090	9089	9090	155.6565	-8.5695	-0.0705	-0.114	4.941	1421.882	1
9090_9090	9090	9090	106.932	-9.504	-0.003	-0.2295	7.914	910.1775	1
9090_9091	9090	9091	119.859	-5.7555	-0.1485	-0.4905	3.117	1232.385	1
9091_9091	9091	9091	103.7535	-9.522	-0.0045	-0.294	9.816	1013.936	1
9091_9092	9091	9092	73.4145	-0.321	-0.1395	-0.1815	2.382	996.495	1
9092_9092	9092	9092	94.6545	-9.8565	0.138	-0.5985	9.75	1133.108	1
9092_9093	9092	9093	38.9085	3.7365	0.228	-0.4335	6.123	726.321	1
9093_9093	9093	9093	82.5915	-10.188	0.141	-0.4125	11.493	1257.447	1
9093_9094	9093	9094	13.0875	8.0595	0.135	-0.192	7.179	417.0195	1
9094_9094	9094	9094	37.278	31.0215	-0.06	-0.5115	5.457	699.8415	1
9094_9095	9094	9095	172.8135	-40.7625	-0.819	-0.1515	17.469	846.735	1
9095_9095	9095	9095	4.1205	21.513	-0.27	-0.3165	11.235	537.918	1
9095_9096	9095	9096	173.433	-37.005	-0.912	0.2535	11.2635	951.345	1
9096_9096	9096	9096	-21.5385	10.347	-0.51	-0.2205	14.5635	445.7745	1
9096_9097	9096	9097	177.027	-32.766	-0.8715	0.351	3.4365	1021.944	1
9097_9097	9097	9097	-24.3945	5.397	-0.3585	-0.4185	12.0795	406.377	1
9097_9098	9097	9098	180.009	-29.8635	-0.0855	-0.276	2.0355	1085.64	1
9098_9098	9098	9098	-23.631	3.924	-0.345	-0.309	9.531	381.825	1
9098_9099	9098	9099	181.38	-24.948	-0.084	0.096	0.7815	1131.467	1
9099_9099	9099	9099	-21.522	2.934	-0.342	-0.2895	6.9495	363.69	1
9099_9100	9099	9100	181.602	-19.617	-0.0645	0.216	-0.1575	1160.696	1
9100_9100	9100	9100	-20.3355	2.0595	-0.294	-0.411	4.314	349.3425	1
9100_9101	9100	9101	181.92	-18.9945	-0.027	-0.3075	-0.4575	1180.125	1
9101_9101	9101	9101	-26.9745	-1.848	0.267	0.357	0.252	345.744	1
9101_9102	9101	9102	179.6175	-36.7935	0.0255	0.054	-0.564	1189.533	1
9102_9102	9102	9102	-27.3825	-1.9605	0.2685	0.3645	1.812	353.3835	1
9102_9103	9102	9103	179.346	-32.6055	0.0345	0.141	-0.282	1182.974	1
9103_9103	9103	9103	-27.672	-2.0715	0.2925	0.4905	3.3915	361.8675	1
9103_9104	9103	9104	178.209	-28.6245	0.0285	0.573	0.0255	1164.696	1
9104_9104	9104	9104	-29.9205	-2.802	0.321	0.2685	5.0685	371.1225	1
9104_9105	9104	9105	176.886	-26.6685	0.0885	-0.2085	1.062	1136.639	1
9105_9105	9105	9105	-30.3405	-3.105	0.3435	0.375	7.599	387.3375	1
9105_9106	9105	9106	174.474	-21.723	0.093	0.1875	2.3385	1091.907	1
9106_9106	9106	9106	-32.9085	-3.96	0.348	0.3855	10.239	406.6125	1
9106_9107	9106	9107	170.4225	-17.1885	0.1095	0.273	3.882	1028.793	1
9107_9107	9107	9107	-34.413	-5.5725	0.5415	0.2055	12.7575	430.8645	1
9107_9108	9107	9108	165.858	-14.5485	0.9075	-0.2235	11.772	958.473	1
9108_9108	9108	9108	-33.0975	-8.823	0.528	0.231	15.8535	466.509	1
9108_9109	9108	9109	159.7515	-10.6485	0.933	-0.111	20.088	875.496	1
9109_9109	9109	9109	-3.18	-20.964	0.2685	0.4065	10.881	540.9675	1
9109_9110	9109	9110	155.4555	-6.483	0.852	0.2115	27.5775	747.9105	1
9110_9110	9110	9110	65.0895	13.389	-0.147	0.552	13.962	1500.297	1
9110_9111	9110	9111	28.2975	-54.1665	-0.243	0.3795	6.936	761.2455	1
9111_9111	9111	9111	77.631	12.693	-0.1425	0.5685	12.084	1340.606	1
9111_9112	9111	9112	62.313	-48.7455	-0.3465	0.5115	3.183	1016.738	1
9112_9112	9112	9112	89.241	11.886	-0.0075	0.2955	10.296	1193.058	1
9112_9113	9112	9113	104.3355	-43.9215	0.1695	0.375	4.701	1248.945	1
9113_9113	9113	9113	100.362	11.3895	-0.0045	0.2475	8.1585	1040.886	1
9113_9114	9113	9114	141.3375	-38.343	0.159	0.687	5.454	1401.717	1
9114_9114	9114	9114	99.942	11.175	-0.027	0.0975	8.112	934.5465	1
9114_9115	9114	9115	159.681	-37.1655	0.0525	0.3195	6.0045	1521.102	1
9115_9115	9115	9115	106.0575	11.1675	-0.0225	0.0135	6.5685	783.3165	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9115_9116	9115	9116	200.1675	-29.16	0.048	0.315	5.7975	1519.878	1
9116_9116	9116	9116	91.947	10.707	-0.051	-0.105	6.261	690.675	1
9116_9117	9116	9117	214.323	-51.6	-0.057	0.1575	5.475	1634.627	1
9117_9117	9117	9117	80.9355	10.707	-0.0495	0.0405	5.6835	618.3735	1
9117_9118	9117	9118	225.3645	-44.655	-0.054	0.615	4.8735	1709.738	1
9118_9118	9118	9118	69.9135	10.4475	-0.0465	-0.138	5.139	546.0105	1
9118_9119	9118	9119	235.1205	-43.4265	-0.0435	0.0135	4.3815	1775.012	1
9119_9119	9119	9119	59.9115	10.431	-0.0435	-0.0255	4.659	475.4895	1
9119_9120	9119	9120	237.9795	-12.876	-0.0375	0.309	4.005	1792.308	1
9120_9120	9120	9120	49.176	10.2105	-0.045	-0.1485	4.1685	405	1
9120_9121	9120	9121	239.835	-11.835	-0.0225	-0.3285	3.7125	1805.936	1
9121_9121	9121	9121	37.893	10.2105	-0.0435	-0.075	3.6225	330.93	1
9121_9122	9121	9122	232.947	-4.2585	-0.018	0.18	3.4365	1760.901	1
9122_9122	9122	9122	30.003	-6.5445	0.012	-0.0045	2.742	282.774	1
9122_9123	9122	9123	225.15	-3.5595	-0.015	-0.57	3.261	1708.853	1
9123_9123	9123	9123	36.7395	-6.5445	0.0165	0.1095	2.883	327.003	1
9123_9124	9123	9124	209.8215	3.4725	-0.006	0.1305	3.1635	1606.503	1
9124_9124	9124	9124	43.476	-6.7965	0.0165	-0.027	3.0735	371.232	1
9124_9125	9124	9125	193.452	4.4265	0.015	-0.546	3.36	1496.112	1
9125_9125	9125	9125	50.466	-6.7965	0.0195	0.0705	3.258	417.123	1
9125_9126	9125	9126	170.2395	11.3565	0.0195	-0.087	3.5325	1339.389	1
9126_9126	9126	9126	57.2115	-7.122	-0.0075	-0.0465	3.4395	463.1055	1
9126_9127	9126	9127	148.5585	-10.7085	-0.0795	-0.258	2.208	1164.413	1
9127_9127	9127	9127	68.43	-7.074	-0.0045	0.009	2.9955	528.0915	1
9127_9128	9127	9128	132.432	-6.5415	-0.0645	0.006	1.4655	1059.165	1
9128_9128	9128	9128	72.1815	-7.4655	-0.024	-0.1185	2.9535	567.153	1
9128_9129	9128	9129	97.1205	-4.428	-0.1395	-0.2355	-0.054	896.265	1
9129_9129	9129	9129	63.909	-7.992	-0.027	-0.0915	3.261	681.066	1
9129_9130	9129	9130	46.731	0.4665	-0.129	-0.0375	-1.269	738.12	1
9130_9130	9130	9130	122.0655	-36.537	-0.183	0.522	2.2515	854.457	1
9130_9131	9130	9131	17.7525	4.2855	0.2355	-0.2205	2.652	497.529	1
9131_9131	9131	9131	136.137	-43.1115	-0.252	0.864	-0.4095	1237.334	1
9131_9132	9131	9132	44.772	-8.1855	0.0465	0.0915	2.85	509.8515	1
9132_9132	9132	9132	47.784	36.765	0.1545	-0.369	-2.175	660.69	1
9132_9133	9132	9133	158.6145	-44.31	-0.669	0.027	10.6695	676.8765	1
9133_9133	9133	9133	21.9375	28.6485	0.0375	-0.291	1.155	431.1645	1
9133_9134	9133	9134	169.308	-40.0395	-0.5925	0.096	4.7295	761.3805	1
9134_9134	9134	9134	-9.2295	3.2415	0.2385	0.2685	-3.3465	379.7625	1
9134_9135	9134	9135	176.19	-35.544	-0.5895	0.273	-0.201	843.9345	1
9135_9135	9135	9135	-11.514	2.9445	0.096	0.156	-1.497	363.7845	1
9135_9136	9135	9136	181.746	-31.797	0	-0.108	-0.405	915.855	1
9136_9136	9136	9136	-13.656	2.9445	0.1065	0.2085	-0.726	348.792	1
9136_9137	9136	9137	184.9875	-26.541	-0.0015	0.0885	-0.5595	968.7855	1
9137_9137	9137	9137	-17.736	2.8635	0.108	0.213	0.0705	334.152	1
9137_9138	9137	9138	186.432	-20.8515	0.0045	0.15	-0.5805	1003.989	1
9138_9138	9138	9138	-21.321	2.328	0.0735	0.093	0.909	319.8675	1
9138_9139	9138	9139	183.1725	-40.251	0.0195	-0.075	-0.3345	1030.353	1
9139_9139	9139	9139	-23.8425	2.244	0.0885	0.1575	1.3305	311.004	1
9139_9140	9139	9140	184.53	-35.6445	0.012	0.171	-0.198	1041.434	1
9140_9140	9140	9140	-26.265	2.16	0.0885	0.159	1.839	302.709	1
9140_9141	9140	9141	183.6945	-31.137	0.012	0.2115	-0.054	1034.49	1
9141_9141	9141	9141	-29.226	2.004	0.0735	0.1035	2.34	294.66	1
9141_9142	9141	9142	181.515	-26.844	0.0195	0.051	0.1305	1014.75	1
9142_9142	9142	9142	-32.235	1.497	0.1155	0.111	2.748	287.364	1
9142_9143	9142	9143	178.5075	-24.51	0.021	0.009	0.4275	983.346	1
9143_9143	9143	9143	-36.405	1.071	0.1065	0.0735	3.615	280.839	1
9143_9144	9143	9144	173.6595	-19.233	0.0315	-0.0735	0.8775	933.4785	1
9144_9144	9144	9144	5.208	-3.366	-0.1005	-0.147	-2.193	291.2985	1
9144_9145	9144	9145	166.4895	-14.3835	0.03	0.117	1.362	864.144	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9145_9145	9145	9145	9.7245	-3.8385	-0.216	-0.1995	-2.8965	308.6145	1
9145_9146	9145	9146	158.1945	-11.1405	0.4875	-0.1215	5.4555	784.8495	1
9146_9146	9146	9146	-16.512	-17.6055	0.102	0.123	3.885	341.169	1
9146_9147	9146	9147	147.9915	-7.017	0.504	-0.1755	9.765	692.7165	1
9147_9147	9147	9147	4.9665	-25.02	0.0375	0.369	2.919	473.8515	1
9147_9148	9147	9148	132.8715	-2.6505	0.531	0.132	15.8895	578.646	1
9148_9148	9148	9148	155.2065	45.9855	0.3375	-0.9645	-6.972	1442.96	1
9148_9149	9148	9149	8.772	-52.854	-0.141	0.297	2.8365	601.3755	1
9149_9149	9149	9149	48.393	13.8975	-0.0795	0.2175	5.0115	1090.415	1
9149_9150	9149	9150	37.5855	-47.568	-0.222	0.3165	0.1125	823.203	1
9150_9150	9150	9150	56.7825	12.663	0.009	0.264	4.029	942.918	1
9150_9151	9150	9151	73.335	-42.7365	0.1365	0.4245	0.9705	1019.997	1
9151_9151	9151	9151	72.4665	11.3475	0.0045	0.009	3.384	747.396	1
9151_9152	9151	9152	118.9365	-37.5465	0.123	0.192	1.9275	1077.984	1
9152_9152	9152	9152	69.564	10.7445	-0.012	0.039	3.441	651.3255	1
9152_9153	9152	9153	136.1145	-36.492	0.054	0.165	2.307	1173.696	1
9153_9153	9153	9153	68.5485	10.509	-0.012	-0.0225	2.8485	567.7635	1
9153_9154	9153	9154	164.121	-28.578	0.051	0.114	2.622	1250.253	1
9154_9154	9154	9154	53.9295	10.2465	-0.0195	-0.0435	2.688	481.731	1
9154_9155	9154	9155	177.0015	-26.424	-0.009	-0.012	2.571	1340.13	1
9155_9155	9155	9155	42.801	10.242	-0.0165	-0.018	2.496	414.633	1
9155_9156	9155	9156	184.7925	-19.404	-0.003	0.129	2.5425	1395.627	1
9156_9156	9156	9156	31.404	10.1055	-0.021	-0.0555	2.3115	347.5605	1
9156_9157	9156	9157	190.2975	-17.9895	-0.0105	-0.084	2.4705	1433.939	1
9157_9157	9157	9157	21.1815	10.1055	-0.018	-0.036	2.0985	287.3955	1
9157_9158	9157	9158	190.221	-11.4135	-0.003	0.0675	2.451	1436.508	1
9158_9158	9158	9158	10.959	10.041	-0.018	-0.06	1.9125	227.229	1
9158_9159	9158	9159	189.0735	-9.9525	0	-0.1455	2.4825	1430.274	1
9159_9159	9159	9159	20.5665	-8.994	0.0195	0.048	2.085	262.1295	1
9159_9160	9159	9160	184.779	-26.0685	0.0105	0.117	2.6235	1388.987	1
9160_9160	9160	9160	29.6655	-9.126	0.015	0.0225	2.2785	315.6795	1
9160_9161	9160	9161	176.6835	-23.8605	0.003	-0.0405	2.652	1329.938	1
9161_9161	9161	9161	39.8115	-9.126	0.015	0.0225	2.442	375.3915	1
9161_9162	9161	9162	163.344	-17.3565	0.003	0.0105	2.649	1235.99	1
9162_9162	9162	9162	49.9665	-9.3975	0.0045	0.0225	2.6055	435.156	1
9162_9163	9162	9163	145.1265	-13.716	-0.051	-0.0345	1.8945	1104.579	1
9163_9163	9163	9163	59.316	-9.57	0.003	-0.0555	2.922	530.724	1
9163_9164	9163	9164	120.0495	-9.5805	-0.0555	-0.132	1.6455	1046.082	1
9164_9164	9164	9164	65.0325	-10.0305	-0.012	-0.018	2.9445	582.069	1
9164_9165	9164	9165	89.1225	-6.885	-0.105	-0.099	0.567	908.3235	1
9165_9165	9165	9165	61.671	-10.9515	-0.015	-0.192	3.1245	699.801	1
9165_9166	9165	9166	44.1945	-2.0295	-0.0915	-0.153	-0.111	759.285	1
9166_9166	9166	9166	57.252	-11.9565	0.063	-0.2175	2.9175	818.46	1
9166_9167	9166	9167	15.234	2.106	0.117	-0.1845	2.2275	541.848	1
9167_9167	9167	9167	152.901	-36.429	-0.2325	0.645	-1.644	1045.727	1
9167_9168	9167	9168	62.0925	-5.3175	0.012	0.0855	0.4425	441.345	1
9168_9168	9168	9168	50.412	36.885	0.075	-0.36	-0.906	651.7455	1
9168_9169	9168	9169	151.398	-44.088	-0.4605	0.003	8.7285	669.495	1
9169_9169	9169	9169	19.3455	28.038	0	-0.192	1.302	435.2535	1
9169_9170	9169	9170	163.368	-39.921	-0.3735	0.228	3.8925	752.8155	1
9170_9170	9170	9170	14.6085	3.6285	0.1635	0.1665	-2.9835	322.341	1
9170_9171	9170	9171	172.1085	-35.4585	-0.3555	0.18	0.84	830.9715	1
9171_9171	9171	9171	11.94	3.2475	0.0795	0.153	-1.7175	304.9035	1
9171_9172	9171	9172	179.64	-31.83	-0.0315	0.033	0.4065	899.664	1
9172_9172	9172	9172	7.365	3.1485	0.078	0.117	-1.134	289.1295	1
9172_9173	9172	9173	184.743	-26.625	-0.0225	-0.039	0.081	949.8465	1
9173_9173	9173	9173	4.974	3.1485	0.0825	0.1545	-0.5145	273.51	1
9173_9174	9173	9174	188.0265	-20.9865	-0.021	0.147	-0.1875	983.277	1
9174_9174	9174	9174	-1.194	2.4705	0.063	0.105	0.087	258.114	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9174_9175	9174	9175	190.1595	-19.7715	-0.0045	-0.057	-0.2325	1003.359	1
9175_9175	9175	9175	-2.604	2.4705	0.057	0.0585	0.4665	248.922	1
9175_9176	9175	9176	190.8735	-15.309	0.0015	-0.216	-0.2355	1011.216	1
9176_9176	9176	9176	-6.6015	2.232	0.0645	0.1065	0.774	239.9775	1
9176_9177	9176	9177	192.579	-31.152	0.003	0.1605	-0.186	1002.719	1
9177_9177	9177	9177	-18.591	-1.62	-0.0525	-0.0885	0.351	241.491	1
9177_9178	9177	9178	191.2905	-26.9115	0.003	0.189	-0.1455	982.74	1
9178_9178	9178	9178	-17.667	-2.049	-0.0825	-0.1695	0.0345	247.515	1
9178_9179	9178	9179	189.0555	-24.2715	0.0315	-0.1005	0.1635	949.1205	1
9179_9179	9179	9179	-12.414	-2.2485	-0.0735	-0.126	-0.546	258.255	1
9179_9180	9179	9180	184.9995	-19.0875	0.0315	0.087	0.5265	899.0565	1
9180_9180	9180	9180	-10.617	-2.253	-0.0795	-0.1635	-1.128	269.427	1
9180_9181	9180	9181	178.5165	-14.337	0.0405	0.0195	1.0035	830.7795	1
9181_9181	9181	9181	-8.9055	-2.658	-0.1695	-0.1785	-1.761	280.605	1
9181_9182	9181	9182	170.79	-11.004	0.36	-0.147	4.0035	753.1635	1
9182_9182	9182	9182	0.672	-20.7075	0.0585	0.186	2.1765	318.3105	1
9182_9183	9182	9183	161.196	-6.993	0.3675	-0.0825	7.113	664.422	1
9183_9183	9183	9183	21.45	-28.1235	-0.003	0.231	1.4955	449.7	1
9183_9184	9183	9184	148.5945	-2.766	0.4335	-0.006	12.669	548.283	1
9184_9184	9184	9184	143.433	50.2635	0.2625	-0.804	-4.779	1442.549	1
9184_9185	9184	9185	16.617	-55.1205	-0.1095	0.219	2.1375	517.437	1
9185_9185	9185	9185	131.4555	45.498	0.228	-0.492	-1.3725	1001.405	1
9185_9186	9185	9186	49.74	-49.9695	-0.1725	0.2835	-0.0735	749.2155	1
9186_9186	9186	9186	66.9525	9.5625	0.0165	0.156	2.901	788.0475	1
9186_9187	9186	9187	91.5255	-44.7705	0.117	0.2655	0.6495	960.444	1
9187_9187	9187	9187	77.5515	8.9685	0.0135	0.03	2.7855	653.502	1
9187_9188	9187	9188	135.9525	-39.378	0.12	0.207	1.6485	1072.404	1
9188_9188	9188	9188	75.8565	8.757	-0.009	0.033	2.9595	576.1485	1
9188_9189	9188	9189	156.6435	-37.6455	0.0585	0.165	2.046	1181.921	1
9189_9189	9189	9189	72.0075	8.8095	-0.009	-0.024	2.691	537.0735	1
9189_9190	9189	9190	181.9395	-29.7855	0.063	0.144	2.697	1357.215	1
9190_9190	9190	9190	60.39	8.577	-0.012	-0.0225	2.595	461.9685	1
9190_9191	9190	9191	197.4615	-50.145	0.0165	0.27	2.8575	1477.983	1
9191_9191	9191	9191	51.0855	8.577	-0.0135	-0.0495	2.4615	403.4655	1
9191_9192	9191	9192	208.4145	-42.927	0.0135	0.252	2.988	1548.401	1
9192_9192	9192	9192	41.781	8.4465	-0.0135	-0.069	2.316	344.964	1
9192_9193	9192	9193	216.288	-40.926	0.012	0.0675	3.0795	1597.35	1
9193_9193	9193	9193	33.4935	8.4465	-0.012	-0.0465	2.1765	292.851	1
9193_9194	9193	9194	217.761	-34.473	0.0165	0.2505	3.231	1604.234	1
9194_9194	9194	9194	33.4365	-9.309	0.0255	0.045	2.4	278.337	1
9194_9195	9194	9195	217.4955	-32.538	0.015	-0.033	3.3555	1598.298	1
9195_9195	9195	9195	42.5715	-9.309	0.0255	0.0705	2.6505	335.7735	1
9195_9196	9195	9196	211.6605	-26.3475	0.0195	0.1485	3.5145	1555.154	1
9196_9196	9196	9196	51.6975	-9.54	0.0195	0.015	2.9115	393.1515	1
9196_9197	9196	9197	202.776	-23.808	0.003	-0.12	3.507	1489.877	1
9197_9197	9197	9197	61.6515	-9.555	0.021	0.0465	3.102	458.325	1
9197_9198	9197	9198	188.733	-17.4555	0.0075	0.0495	3.519	1389.096	1
9198_9198	9198	9198	72.018	-9.9195	0.0045	-0.0135	3.33	523.5045	1
9198_9199	9198	9199	168.843	-13.503	-0.0645	-0.1395	2.5215	1244.531	1
9199_9199	9199	9199	82.986	-9.8295	0.006	-0.0135	3.6525	596.25	1
9199_9200	9199	9200	145.4025	-9.246	-0.0585	-0.069	2.2335	1121.141	1
9200_9200	9200	9200	88.734	-9.8175	-0.015	-0.093	3.699	648.7725	1
9200_9201	9200	9201	111.243	-5.8515	-0.0915	-0.2205	1.269	975.4965	1
9201_9201	9201	9201	81.462	-10.2165	-0.024	-0.285	5.34	786.3675	1
9201_9202	9201	9202	59.439	-0.987	-0.1065	-0.2295	0.9945	838.8585	1
9202_9202	9202	9202	75.645	-10.731	0.108	-0.279	4.9275	902.3925	1
9202_9203	9202	9203	28.0155	3.234	0.1575	-0.264	3.8535	605.6955	1
9203_9203	9203	9203	130.5375	-40.8075	-0.3375	0.8805	-4.473	1039.431	1
9203_9204	9203	9204	23.5125	-3.306	0.015	-0.1995	2.8755	403.869	1

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9204_9204	9204	9204	47.625	35.262	0.0105	-0.492	1.9095	692.9475	1
9204_9205	9204	9205	165.882	-41.9205	-0.639	-0.042	13.533	744.75	1
9205_9205	9205	9205	18.1965	26.6475	-0.099	-0.249	4.617	490.008	1
9205_9206	9205	9206	174.5685	-38.04	-0.57	0.2625	7.1265	839.7285	1
9206_9206	9206	9206	-4.668	20.5245	-0.183	-0.1875	5.3355	373.5645	1
9206_9207	9206	9207	180.54	-33.879	-0.5475	0.3315	2.262	909.936	1
9207_9207	9207	9207	-7.203	0.459	0.168	0.1785	-4.4145	301.731	1
9207_9208	9207	9208	185.379	-30.318	-0.0885	-0.1995	1.14	970.6095	1
9208_9208	9208	9208	-9.6765	0.3285	0.18	0.228	-3.168	299.901	1
9208_9209	9208	9209	188.337	-25.4235	-0.087	0.0015	0.114	1014.878	1
9209_9209	9209	9209	-10.008	0.321	0.189	0.2715	-1.7295	298.2225	1
9209_9210	9209	9210	189.9615	-20.115	-0.081	0.21	-0.759	1044.417	1
9210_9210	9210	9210	-13.9515	-0.531	0.1245	0.0825	-0.2895	297.4575	1
9210_9211	9210	9211	189.756	-40.8465	0.021	-0.2655	-0.768	1066.724	1
9211_9211	9211	9211	-13.665	-0.531	0.1365	0.1395	0.456	299.4945	1
9211_9212	9211	9212	192.003	-36.558	0.015	-0.021	-0.6285	1079.603	1
9212_9212	9212	9212	-15.942	-0.804	0.15	0.204	1.23	302.367	1
9212_9213	9212	9213	192.3495	-32.358	0.009	0.216	-0.4995	1076.483	1
9213_9213	9213	9213	-18.525	-1.1955	0.165	0.2715	2.079	305.9055	1
9213_9214	9213	9214	191.619	-28.3605	0.0015	0.432	-0.3945	1062.686	1
9214_9214	9214	9214	-20.691	-2.076	0.1785	0.042	3.015	310.7625	1
9214_9215	9214	9215	190.6245	-26.0805	0.1095	-0.3315	0.672	1040.307	1
9215_9215	9215	9215	-22.104	-2.691	0.201	0.141	4.3785	322.3635	1
9215_9216	9215	9216	188.28	-21.213	0.1035	0.015	1.83	1003.617	1
9216_9216	9216	9216	-24.4965	-4.1985	0.2265	0.255	5.823	338.4525	1
9216_9217	9216	9217	184.038	-16.746	0.096	0.3285	3	950.919	1
9217_9217	9217	9217	-23.9985	-7.287	0.261	-0.063	7.17	364.6125	1
9217_9218	9217	9218	179.1345	-14.0565	0.5475	-0.504	7.728	891.8865	1
9218_9218	9218	9218	-6.9045	-17.0895	0.1995	0.207	6.4695	421.1175	1
9218_9219	9218	9219	172.722	-10.2825	0.5265	-0.054	12.3645	823.3905	1
9219_9219	9219	9219	14.5875	-23.598	0.1185	0.399	5.6445	535.035	1
9219_9220	9219	9220	163.653	-6.279	0.5385	0.1815	18.4305	715.4745	1
9220_9220	9220	9220	83.7255	14.8065	-0.042	0.2055	8.322	1433.114	1
9220_9221	9220	9221	40.6455	-52.794	-0.1065	0.1845	4.224	756.441	1
9221_9221	9221	9221	95.8875	14.3955	-0.039	0.5535	7.8495	1263.641	1
9221_9222	9221	9222	78.15	-47.1375	-0.1695	0.489	2.3265	992.4225	1
9222_9222	9222	9222	105.717	13.806	-0.0195	-0.069	7.389	1104.959	1
9222_9223	9222	9223	122.706	-41.487	0.096	-0.0825	2.949	1198.064	1
9223_9223	9223	9223	121.9695	13.5585	-0.0105	0.264	4.686	892.5195	1
9223_9224	9223	9224	174.1845	-35.3745	0.084	0.486	2.688	1254.251	1
9224_9224	9224	9224	117.6315	13.482	-0.0315	-0.135	4.563	778.0515	1
9224_9225	9224	9225	193.2375	-32.8485	0.03	-0.1905	2.9505	1346.786	1
9225_9225	9225	9225	103.3965	13.842	-0.033	0.0735	4.6935	750.933	1
9225_9226	9225	9226	195.708	-47.5215	0.057	0.6015	3.987	1567.551	1
9226_9226	9226	9226	85.107	13.356	-0.0345	-0.189	4.215	623.733	1
9226_9227	9226	9227	205.962	-43.0725	-0.0135	-0.1035	3.8475	1643.684	1
9227_9227	9227	9227	71.5845	13.3455	-0.0345	-0.0045	3.831	527.3865	1
9227_9228	9227	9228	208.329	-35.5845	-0.0075	0.5235	3.7305	1661.499	1
9228_9228	9228	9228	57.849	13.053	-0.042	-0.1815	3.4425	431.058	1
9228_9229	9228	9229	207.1935	-32.103	-0.0165	-0.264	3.528	1651.64	1
9229_9229	9229	9229	59.5065	-12.5085	0.009	0.1665	2.8395	474.8085	1
9229_9230	9229	9230	199.4835	-25.0275	-0.0105	0.3645	3.33	1592.007	1
9230_9230	9230	9230	72.4815	-13.1385	0.015	-0.1395	2.946	565.0575	1
9230_9231	9230	9231	188.5935	-21.378	-0.0315	-0.4605	2.8635	1505.675	1
9231_9231	9231	9231	86.922	-13.1385	0.0165	0.0645	3.1185	665.4975	1
9231_9232	9231	9232	176.9685	-16.383	-0.024	0.045	2.613	1414.035	1
9232_9232	9232	9232	96.5925	-13.05	0.0315	0.297	5.34	745.9695	1
9232_9233	9232	9233	169.2045	-14.6595	-0.0195	0.525	4.215	1388.081	1
9233_9233	9233	9233	99.93	-13.5795	-0.0225	-0.2595	5.43	772.3365	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9233_9234	9233	9234	147.351	-12.195	-0.198	-0.435	2.3955	1281.885	1
9234_9234	9234	9234	106.119	-13.32	-0.0225	-0.105	5.0985	863.535	1
9234_9235	9234	9235	125.475	-8.526	-0.1695	-0.099	1.356	1189.731	1
9235_9235	9235	9235	89.73	-13.8675	-0.027	0.3195	7.6365	1033.926	1
9235_9236	9235	9236	85.098	-6.5085	-0.216	0.489	1.236	1216.311	1
9236_9236	9236	9236	88.4595	-14.2575	-0.2565	-0.7575	7.3995	1106.625	1
9236_9237	9236	9237	59.1555	-3.3015	-0.42	-0.492	-1.854	1047.249	1
9237_9237	9237	9237	83.649	-14.469	-0.2475	0.1515	4.9515	1229.705	1
9237_9238	9237	9238	37.4745	0.1425	-0.423	0.4785	-5.115	864.5235	1
9238_9238	9238	9238	77.2185	-17.4255	0.345	-1.272	2.4675	1351.866	1
9238_9239	9238	9239	22.077	-1.857	0.7425	-1.329	1.908	694.1565	1
9239_9239	9239	9239	70.8345	-17.805	0.3495	-0.7965	5.568	1491.119	1
9239_9240	9239	9240	16.0965	-0.4065	0.7005	-1.0605	4.5225	609.7395	1
9240_9240	9240	9240	20.4855	28.9035	0.264	0.0735	6.477	803.523	1
9240_9241	9240	9241	182.6775	-28.998	0.5415	2.9085	21.8595	975.117	1
9241_9241	9241	9241	2.946	24.4935	-0.396	-0.93	10.59	680.358	1
9241_9242	9241	9242	184.146	-36.6225	-0.4995	-0.981	19.8855	999.9975	1
9242_9242	9242	9242	-2.568	23.445	-0.357	-0.636	9.4815	620.157	1
9242_9243	9242	9243	188.4435	-30.333	-0.4275	-0.3975	11.9715	1081.185	1
9243_9243	9243	9243	-30.1815	13.587	-0.4035	-0.345	9.882	460.3635	1
9243_9244	9243	9244	188.1975	-25.4835	-0.4005	0.2685	7.821	1114.29	1
9244_9244	9244	9244	-34.3695	8.7045	-0.3015	-0.612	7.509	391.431	1
9244_9245	9244	9245	191.277	-25.455	-0.558	-0.597	1.962	1176.038	1
9245_9245	9245	9245	-30.681	5.6265	-0.273	-0.363	4.749	340.6095	1
9245_9246	9245	9246	192.543	-19.974	-0.603	0.1725	-3.876	1209.446	1
9246_9246	9246	9246	-30.015	4.617	-0.1815	-0.5175	2.3325	307.389	1
9246_9247	9246	9247	193.9905	-38.5905	0.033	-0.192	-3.357	1236.371	1
9247_9247	9247	9247	-34.074	-4.2	0.1695	0.525	0.378	304.3125	1
9247_9248	9247	9248	195.564	-32.7975	-0.0165	0.6825	-3.2055	1236.323	1
9248_9248	9248	9248	-34.647	-5.2605	0.2715	0.255	1.821	332.937	1
9248_9249	9248	9249	196.1745	-28.986	0.186	-0.216	-1.002	1219.946	1
9249_9249	9249	9249	-36.5025	-6.6465	0.3165	0.471	4.278	371.5425	1
9249_9250	9249	9250	195.3705	-23.304	0.1605	0.4635	1.311	1180.761	1
9250_9250	9250	9250	-34.3695	-8.4555	0.5505	0.174	7.362	422.1195	1
9250_9251	9250	9251	193.8405	-20.073	0.8865	-0.183	10.965	1132.352	1
9251_9251	9251	9251	-30.666	-12.072	0.576	0.465	12.0465	491.3055	1
9251_9252	9251	9252	189.864	-15.384	0.8475	0.4545	20.172	1060.829	1
9252_9252	9252	9252	-13.1955	-19.665	-0.4965	-1.662	13.5015	592.2795	1
9252_9253	9252	9253	189.3285	-18.6885	-0.774	-3.159	17.9685	1043.151	1
9253_9253	9253	9253	-5.424	-21.243	-0.4125	-1.2795	10.4805	637.4445	1
9253_9254	9253	9254	187.4205	-14.2875	-0.804	-2.703	10.1745	982.932	1
9254_9254	9254	9254	77.7075	22.824	-1.2525	3.414	8.082	1648.902	1
9254_9255	9254	9255	38.1555	-42.0975	-1.764	3.27	-15.6675	871.548	1
9255_9255	9255	9255	83.733	15.504	0.7095	-0.354	-6.396	1418.276	1
9255_9256	9255	9256	63.513	-46.6905	1.011	-0.3945	-4.5585	1071.009	1
9256_9256	9256	9256	91.5375	15.2955	0.7155	0.651	1.101	1271.352	1
9256_9257	9256	9257	93.2775	-41.388	1.0185	0.78	6.759	1238.961	1
9257_9257	9257	9257	96.66	14.421	0.0045	-0.2175	9.0315	1127.184	1
9257_9258	9257	9258	107.283	-43.098	-0.138	-0.3855	6.2265	1312.905	1
9258_9258	9258	9258	115.7685	13.95	0.0045	0.018	5.832	971.8665	1
9258_9259	9258	9259	161.2125	-38.283	-0.09	0.0495	3.138	1315.865	1
9259_9259	9259	9259	112.911	14.307	0.0075	0.1575	5.874	865.785	1
9259_9260	9259	9260	176.592	-34.35	-0.084	0.3645	2.5575	1389.818	1
9260_9260	9260	9260	107.0805	13.9425	-0.054	-0.318	5.9325	799.6395	1
9260_9261	9260	9261	182.6175	-34.4445	0.027	-0.5415	2.6655	1427.528	1
9261_9261	9261	9261	107.28	14.0355	-0.039	-0.1185	4.3605	725.151	1
9261_9262	9261	9262	204.5625	-27.8385	0.027	-0.093	2.4105	1450.593	1
9262_9262	9262	9262	92.0475	14.0355	-0.036	0.09	3.9195	629.085	1
9262_9263	9262	9263	209.274	-45.5145	0.033	0.534	3.108	1516.107	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9263_9263	9263	9263	79.023	13.473	-0.0195	-0.1365	3.5775	546.393	1
9263_9264	9263	9264	217.1775	-41.148	0.0075	-0.063	3.372	1573.551	1
9264_9264	9264	9264	64.038	13.473	-0.018	-0.051	3.3525	451.8915	1
9264_9265	9264	9265	216.8835	-33.9555	0.0045	0.276	3.4965	1575.945	1
9265_9265	9265	9265	49.497	-14.6595	0.0015	-0.0135	2.7885	430.323	1
9265_9266	9265	9266	213.792	-29.967	-0.009	-0.177	3.4125	1556.588	1
9266_9266	9266	9266	65.8305	-14.6595	0.006	0.081	2.811	533.3355	1
9266_9267	9266	9267	204.0885	-23.3085	-0.009	0.1425	3.264	1491.428	1
9267_9267	9267	9267	81.5205	-15.285	-0.015	-0.1125	2.874	632.328	1
9267_9268	9267	9268	197.5905	-22.377	-0.081	-0.3225	2.6955	1446.377	1
9268_9268	9268	9268	91.2015	-15.285	-0.0135	-0.072	2.775	693.3855	1
9268_9269	9268	9269	189.075	-18.666	-0.0735	-0.201	2.199	1386.942	1
9269_9269	9269	9269	92.3325	-15.3375	-0.0135	0.0315	3.6555	822.8985	1
9269_9270	9269	9270	154.275	-13.731	-0.0825	0.051	2.268	1407.185	1
9270_9270	9270	9270	102.0735	-15.8835	-0.0435	-0.3765	3.5055	924.2205	1
9270_9271	9270	9271	125.5485	-10.7055	-0.1425	-0.486	1.0845	1289.988	1
9271_9271	9271	9271	89.0055	-16.581	-0.063	-0.3525	4.59	1144.431	1
9271_9272	9271	9272	82.272	-7.7925	-0.183	-0.333	0.858	1287.042	1
9272_9272	9272	9272	87.15	-16.857	-0.0525	0.198	4.1115	1257.099	1
9272_9273	9272	9273	68.0895	-5.8875	-0.1515	0.285	0.639	1200.702	1
9273_9273	9273	9273	84.756	-17.3715	0.2145	-1.0215	3.7395	1331.807	1
9273_9274	9273	9274	38.8185	-1.659	0.0885	-0.69	2.9445	977.148	1
9274_9274	9274	9274	76.2705	-18.213	0.2325	-0.09	6.402	1514.295	1
9274_9275	9274	9275	13.605	2.8575	-0.0225	0.0765	2.2515	677.2425	1
9275_9275	9275	9275	15.765	26.1255	-0.3855	-0.498	14.3805	815.175	1
9275_9276	9275	9276	184.548	-37.4415	-0.705	-0.0375	22.6485	1034.858	1
9276_9276	9276	9276	1.398	23.037	-0.4365	-0.2715	14.6895	732.648	1
9276_9277	9276	9277	186.1275	-35.1435	-0.6945	0.2445	18.5115	1068.132	1
9277_9277	9277	9277	-7.0455	20.016	-0.4305	0.042	13.1565	640.398	1
9277_9278	9277	9278	188.4285	-30.2535	-0.5955	0.66	9.729	1094.012	1
9278_9278	9278	9278	-30.285	14.523	-0.297	-0.639	11.208	531.759	1
9278_9279	9278	9279	189.537	-26.982	-0.171	-0.6285	6.345	1139.904	1
9279_9279	9279	9279	-40.7835	9.006	-0.2265	-0.2205	8.58	444.1065	1
9279_9280	9279	9280	187.92	-20.1405	-0.174	0.4035	3.0645	1155.75	1
9280_9280	9280	9280	-43.905	6.978	-0.081	-0.57	5.9625	379.773	1
9280_9281	9280	9281	188.3115	-17.5305	0.0975	-0.6855	3.411	1175.42	1
9281_9281	9281	9281	-43.716	5.4225	-0.006	-0.285	4.974	330.3525	1
9281_9282	9281	9282	184.7925	-9.7905	0.0795	0.342	3.741	1148.279	1
9282_9282	9282	9282	-55.224	5.385	-0.555	-0.6225	9.123	337.8285	1
9282_9283	9282	9283	175.5945	-29.1345	0.0525	-0.54	3.312	1180.193	1
9283_9283	9283	9283	-45.504	-7.389	0.5355	0.645	-2.487	356.967	1
9283_9284	9283	9284	177.0285	-22.992	0.0375	1.002	3.1875	1132.874	1
9284_9284	9284	9284	-44.745	-11.334	1.698	0.1065	3.399	429.1785	1
9284_9285	9284	9285	180.3525	-22.2255	1.416	-0.369	17.9985	1103.984	1
9285_9285	9285	9285	-36.9675	-15.561	1.728	0.594	19.6455	527.0205	1
9285_9286	9285	9286	181.6005	-17.6715	1.47	0.6015	33.5385	1057.254	1
9286_9286	9286	9286	-16.5165	-23.745	-1.125	-0.6375	29.2605	655.734	1
9286_9287	9286	9287	182.865	-20.169	-1.473	-1.686	28.8315	1044.657	1
9287_9287	9287	9287	-10.899	-25.368	-1.104	-0.735	24.015	746.958	1
9287_9288	9287	9288	185.7405	-16.239	-1.614	-1.893	16.932	1031.678	1
9288_9288	9288	9288	73.083	21.5925	-2.292	3.2055	11.1975	1790.369	1
9288_9289	9288	9289	38.004	-45.039	-2.7315	3.042	-23.163	936.5355	1
9289_9289	9289	9289	78.1395	12.732	1.3995	-0.5385	-12.894	1584.869	1
9289_9290	9289	9290	66.8235	-49.4085	1.542	-0.483	-4.0905	1246.641	1
9290_9290	9290	9290	85.7445	12.8355	1.3995	0.627	3.672	1442.643	1
9290_9291	9290	9291	95.991	-71.7075	1.398	1.0605	14.2245	1539.578	1
9291_9291	9291	9291	88.59	11.2035	-0.3195	-0.804	19.9635	1311.971	1
9291_9292	9291	9292	107.862	-74.1315	-0.0915	-0.816	13.9155	1650.233	1
9292_9292	9292	9292	103.266	11.229	-0.2175	-0.0195	12.669	1178.904	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9292_9293	9292	9293	149.2515	-69.345	-0.039	0.1995	9.2475	1720.416	1
9293_9293	9293	9293	99.9765	11.418	-0.219	0.2895	11.031	1111.764	1
9293_9294	9293	9294	166.2465	-64.89	-0.021	0.7605	9.282	1901.379	1
9294_9294	9294	9294	94.266	9.8505	-0.0855	-0.726	9.2775	1048.158	1
9294_9295	9294	9295	175.0125	-68.745	-0.2415	-1.1085	8.511	1999.313	1
9295_9295	9295	9295	78.3225	9.9315	-0.132	-0.1725	13.7595	1096.385	1
9295_9296	9295	9296	166.008	-63.7575	-0.384	0.2565	9.735	2395.557	1
9296_9296	9296	9296	72.8805	9.9315	-0.1305	0.5445	12.423	1021.073	1
9296_9297	9296	9297	178.065	-59.193	-0.3915	1.9185	6.717	2564.882	1
9297_9297	9297	9297	68.478	9.075	-0.0825	-0.591	11.3445	960.1365	1
9297_9298	9297	9298	193.896	-57.4275	-0.0885	-0.9435	6.1275	2786.46	1
9298_9298	9298	9298	62.868	9.075	-0.0825	0.312	10.392	882.4965	1
9298_9299	9298	9299	204.2985	-51.387	-0.1125	1.8975	5.0415	2932.23	1
9299_9299	9299	9299	57.66	8.3805	-0.102	-0.609	9.5175	810.471	1
9299_9300	9299	9300	213.672	-50.6265	-0.0915	-1.416	4.0875	3062.909	1
9300_9300	9300	9300	52.791	8.3805	-0.1005	0.1125	8.4225	743.0925	1
9300_9301	9300	9301	218.7045	-43.2135	-0.1095	1.551	2.604	3132.363	1
9301_9301	9301	9301	47.022	7.8795	-0.1155	-0.6165	7.1385	663.291	1
9301_9302	9301	9302	222.876	-16.071	-0.0945	-2.232	1.8525	3190.379	1
9302_9302	9302	9302	41.994	7.8795	-0.114	0.081	5.7705	593.7345	1
9302_9303	9302	9303	222.141	-9.195	-0.1035	1.602	0.198	3179.993	1
9303_9303	9303	9303	37.05	7.551	-0.108	-0.513	4.434	524.865	1
9303_9304	9303	9304	218.4375	-7.3425	-0.0795	-2.118	-1.0725	3126.899	1
9304_9304	9304	9304	31.947	7.551	-0.108	-0.0555	3.072	454.263	1
9304_9305	9304	9305	208.962	-0.5265	-0.084	1.098	-2.3025	2992.526	1
9305_9305	9305	9305	27.597	7.455	-0.048	-0.5415	1.884	392.298	1
9305_9306	9305	9306	196.1955	1.6545	-0.006	-2.796	-2.442	2810.756	1
9306_9306	9306	9306	23.166	7.455	-0.0465	-0.135	1.3575	330.9735	1
9306_9307	9306	9307	173.415	9.984	-0.0165	0.6945	-2.763	2487.282	1
9307_9307	9307	9307	18.1665	7.56	0.1545	-0.408	0.771	261.3645	1
9307_9308	9307	9308	145.377	23.2395	0.1395	-2.013	-1.02	2094.609	1
9308_9308	9308	9308	13.5525	7.539	0.1575	-0.255	2.6145	194.583	1
9308_9309	9308	9309	110.8605	31.611	0.105	-0.258	-0.138	1605.003	1
9309_9309	9309	9309	8.9265	7.593	0.378	-0.3105	4.4655	128.94	1
9309_9310	9309	9310	67.1265	38.493	0.2445	-1.5555	2.3355	984.0375	1
9310_9310	9310	9310	5.0175	7.299	0.405	-0.2445	9.3045	62.397	1
9310_9311	9310	9311	13.8135	47.745	0.1755	-0.4095	3.372	226.9875	1
9311_9311	9311	9311	6.4665	-8.001	2.301	-1.281	-7.6305	20.748	1
9311_9312	9311	9312	3.6915	-7.7625	3.4605	-0.8175	0	27.447	1
9400_9020	9400	9020	90.3375	2.1	6.147	0.3435	-90.351	322.845	1
9400_9401	9400	9401	-80.646	32.5635	20.583	1.293	-63.1965	888.015	1
9401_9401	9401	9401	91.659	2.166	4.776	-1.572	-65.646	314.583	1
9401_9402	9401	9402	-80.6715	31.2765	5.016	-2.1405	-45.996	778.7925	1
9402_9402	9402	9402	95.1225	4.1805	4.803	0.234	-50.8155	307.428	1
9402_9403	9402	9403	-81.396	29.3145	5.1615	0.528	10.7685	458.7615	1
9403_9403	9403	9403	104.952	6.7155	0.1155	-0.321	2.163	263.709	1
9403_9404	9403	9404	-84.3225	25.665	-0.741	-0.372	5.1435	272.28	1
9404_9404	9404	9404	108.051	8.874	0.0315	-0.2685	3.2595	216.3795	1
9404_9405	9404	9405	-87.381	23.3955	-0.6975	-0.339	0.2445	102.2205	1
9405_9405	9405	9405	123.237	10.4595	-0.234	-0.3315	3.4725	159.0315	1
9405_9406	9405	9406	-83.757	-12.0735	0.18	0.2535	0.2175	54.387	1
9406_9406	9406	9406	72.6585	-13.38	-0.615	-0.1245	0.9735	258.7395	1
9406_9407	9406	9407	-106.92	-16.9635	3.2235	0.4005	28.9635	200.4675	1
9407_9407	9407	9407	70.158	-15.888	-0.0915	0.2895	1.383	399.276	1
9407_9408	9407	9408	-110.121	-19.4385	3.2955	-0.054	47.2785	307.929	1
9408_9408	9408	9408	65.2545	-30.645	-0.1785	0.2475	2.46	487.9305	1
9408_9409	9408	9409	-118.149	4.941	-6.5085	2.715	29.607	291.9045	1
9409_9409	9409	9409	65.2005	30.291	-0.0495	-0.2175	1.9125	580.7175	1
9409_9410	9409	9410	-121.955	-5.4975	-4.8615	-2.7015	14.577	306.789	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9410_9410	9410	9410	69.795	15.6255	0.063	-0.4815	1.959	489.549	1
9410_9411	9410	9411	-122.715	19.932	-1.323	0.063	8.6925	194.8125	1
9411_9411	9411	9411	69.432	16.5795	-0.054	0.1395	2.049	403.644	1
9411_9412	9411	9412	-104.13	15.8445	-1.2675	0.1515	-0.8085	43.689	1
9412_9412	9412	9412	69.732	16.7565	-0.006	-0.0975	0.8655	266.1405	1
9412_9413	9412	9413	-85.2555	-19.1055	0.1215	0.3885	-0.3735	98.703	1
9413_9413	9413	9413	152.6835	-8.2155	0.384	-0.312	-1.338	151.839	1
9413_9414	9413	9414	-82.3905	-23.289	0.642	0.285	4.731	264.0165	1
9414_9414	9414	9414	147.528	-5.127	0.3015	-0.1785	1.7145	212.517	1
9414_9415	9414	9415	-80.805	-25.2855	0.693	0.3645	9.627	446.0355	1
9415_9415	9415	9415	145.008	-1.443	4.6995	0.0135	3.054	250.8705	1
9415_9416	9415	9416	-81.2865	-28.683	-5.1285	-0.0945	-45.936	759.165	1
9416_9416	9416	9416	139.227	1.674	4.569	-1.4115	52.611	268.1775	1
9416_9417	9416	9417	-80.55	-30.684	-5.1645	0.663	-63.8775	866.442	1
9417_9417	9417	9417	134.217	1.7205	5.001	-0.0135	66.1245	262.827	1
9417_9036	9417	9036	-80.5845	-32.0775	-20.106	-1.1985	-146.94	997.7865	1
9420_9056	9420	9056	81.3045	0.0915	5.2965	0.2745	-74.4705	220.8375	1
9420_9421	9420	9421	-82.9215	30.1545	19.8855	1.032	-41.328	787.689	1
9421_9421	9421	9421	84.957	-0.0135	4.1055	-1.0365	-53.9115	220.722	1
9421_9422	9421	9422	-82.8975	28.7115	3.51	-1.0275	-28.881	687.5235	1
9422_9422	9422	9422	84.936	2.025	4.038	0.087	-39.5565	220.779	1
9422_9423	9422	9423	-83.559	26.7165	3.57	0.207	10.2495	395.7585	1
9423_9423	9423	9423	96.0465	4.3035	-0.195	-0.2895	5.1405	202.563	1
9423_9424	9423	9424	-83.151	23.205	-0.774	-0.3525	3.9915	228.0495	1
9424_9424	9424	9424	140.1585	6.2865	-0.0465	0.3075	-0.498	178.146	1
9424_9425	9424	9425	-88.29	20.7285	-0.732	-0.2715	-1.008	76.368	1
9425_9425	9425	9425	117.2655	7.7955	0.0315	-0.2955	1.836	135.726	1
9425_9426	9425	9426	-73.632	-9.0165	-0.057	0.2175	-2.148	34.452	1
9426_9426	9426	9426	75.213	-11.9655	-0.396	-0.168	1.221	234.3525	1
9426_9427	9426	9427	-114.722	-14.5815	-0.5115	-0.2325	-5.0715	152.862	1
9427_9427	9427	9427	72.954	-13.17	-0.1245	0.387	1.1145	356.6295	1
9427_9428	9427	9428	-118.179	-17.1465	-0.432	0.0705	-8.1195	247.4715	1
9428_9428	9428	9428	68.763	-28.4355	0.2295	0.177	0.9225	431.139	1
9428_9429	9428	9429	-108.651	6.222	4.6275	0.705	5.547	228.153	1
9429_9429	9429	9429	68.748	28.5765	0.135	-0.2355	1.77	517.0965	1
9429_9430	9429	9430	-112.106	-6.7065	5.595	-0.606	21.645	247.386	1
9430_9430	9430	9430	73.251	13.443	-0.0015	-0.312	1.974	431.1885	1
9430_9431	9430	9431	-99.2685	16.092	-1.572	-0.1785	11.925	157.509	1
9431_9431	9431	9431	72.69	14.547	-0.0495	0.018	1.584	357.234	1
9431_9432	9431	9432	-78.486	12.1965	-1.614	-0.231	-1.1895	38.724	1
9432_9432	9432	9432	72.819	14.6535	0.051	-0.0945	0.555	235.7085	1
9432_9433	9432	9433	-87.0135	-17.0685	-0.0525	0.348	-1.788	74.4855	1
9433_9433	9433	9433	110.1615	-3.9915	0.366	0.276	1.7505	136.4265	1
9433_9434	9433	9434	-84.804	-21.1725	0.723	0.288	3.999	225.348	1
9434_9434	9434	9434	100.998	-4.0965	0.252	0.279	3.9495	176.9385	1
9434_9435	9434	9435	-83.343	-23.241	0.759	0.3165	9.3855	392.8905	1
9435_9435	9435	9435	92.556	-1.812	-4.785	-0.1665	5.406	208.224	1
9435_9436	9435	9436	-84.7545	-26.685	-3.576	-0.3435	-28.8135	684.1395	1
9436_9436	9436	9436	85.455	-0.2445	-4.572	1.2975	-43.734	230.781	1
9436_9437	9436	9437	-84.0765	-28.7685	-3.45	1.4895	-41.169	784.6725	1
9437_9437	9437	9437	84.2595	-0.237	-5.7705	-0.3195	-60.1035	231.741	1
9437_9072	9437	9072	-84.1155	-30.105	-19.926	-1.035	-122.597	907.929	1
9440_9094	9440	9094	76.308	0.405	5.61	0.309	-63.0345	218.988	1
9440_9441	9440	9441	-84.318	29.781	19.386	1.155	-30.288	767.184	1
9441_9441	9441	9441	76.179	0.555	3.048	-0.789	-38.8875	217.344	1
9441_9442	9441	9442	-84.2505	28.302	2.6565	-0.6735	-20.805	668.3805	1
9442_9442	9442	9442	78.9975	2.2455	3.147	-0.027	-29.3445	216.117	1
9442_9443	9442	9443	-84.912	26.2515	2.685	0.069	8.562	381.7605	1
9443_9443	9443	9443	129.117	3.414	0.072	0.258	-1.539	197.565	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9443_9444	9443	9444	-84.1665	22.65	-0.6465	-0.3	3.291	218.2365	1
9444_9444	9444	9444	137.154	6.0855	0.1245	0.27	-1.254	174.8745	1
9444_9445	9444	9445	-89.421	20.217	-0.69	-0.4425	-1.506	70.1475	1
9445_9445	9445	9445	135.3675	10.0245	-0.1305	0.1935	1.2165	132.597	1
9445_9446	9445	9446	-68.07	-8.7285	-0.096	0.249	-1.9605	38.3385	1
9446_9446	9446	9446	74.0355	-11.5995	-0.1785	-0.309	0.9525	228.9225	1
9446_9447	9446	9447	-93.4035	-13.1985	1.6065	0.228	12.318	149.499	1
9447_9447	9447	9447	72.765	-12.5775	-0.1335	0.651	1.644	347.1585	1
9447_9448	9447	9448	-116.838	-16.932	0.156	0.093	-1.0725	241.875	1
9448_9448	9448	9448	68.7735	-27.918	0.081	0.2775	1.1805	418.0395	1
9448_9449	9448	9449	-108.9	6.5295	4.2135	1.836	11.082	221.6295	1
9449_9449	9449	9449	68.8575	28.1325	0.1095	-0.318	1.422	502.5795	1
9449_9450	9449	9450	-111.728	-6.8565	5.145	-1.7595	26.265	241.659	1
9450_9450	9450	9450	73.1925	12.921	-0.0135	-0.066	0.9945	417.7815	1
9450_9451	9450	9451	-97.7805	15.783	-1.8495	-0.0675	14.325	152.754	1
9451_9451	9451	9451	72.825	14.04	0.06	-0.159	0.4785	346.617	1
9451_9452	9451	9452	-76.9875	11.8605	-1.8615	-0.351	-2.217	35.85	1
9452_9452	9452	9452	73.4145	14.1945	0.039	-0.114	0.618	229.4775	1
9452_9453	9452	9453	-85.1985	-16.6155	-0.1215	0.4185	-2.0655	72.2265	1
9453_9453	9453	9453	111.003	-3.9615	0.435	0.348	0.8025	136.7355	1
9453_9454	9453	9454	-83.1285	-20.6655	0.642	0.372	3.213	219.3105	1
9454_9454	9454	9454	102.4215	-3.8145	0.369	0.3075	3.633	176.163	1
9454_9455	9454	9455	-81.735	-22.6905	0.654	0.345	7.8735	382.779	1
9455_9455	9455	9455	94.3095	-1.3785	-3.7215	-0.0015	5.9985	205.9935	1
9455_9456	9455	9456	-83.499	-26.1795	-2.6385	-0.1425	-20.229	668.7765	1
9456_9456	9456	9456	85.9335	-0.027	-3.498	0.978	-32.124	225.876	1
9456_9457	9456	9457	-82.8495	-28.173	-2.568	0.966	-29.3535	767.076	1
9457_9457	9457	9457	82.4115	-0.12	-5.0565	-0.3255	-43.7595	226.2825	1
9457_9110	9457	9110	-82.8675	-29.55	-19.5015	-1.197	-108.83	888.129	1
9460_9132	9460	9132	47.37	4.572	3.3345	0.2475	-42.3705	247.5975	1
9460_9461	9460	9461	-87.051	32.4105	18.6885	1.302	-30.921	832.9545	1
9461_9461	9461	9461	50.9865	4.413	2.3205	-0.423	-30.0855	229.7865	1
9461_9462	9461	9462	-87.147	30.93	2.7915	0.0195	-21.294	725.0745	1
9462_9462	9462	9462	150.3615	-2.271	-2.646	0.108	26.6745	219.348	1
9462_9463	9462	9463	-87.867	28.8285	2.718	-0.1335	8.202	410.2455	1
9463_9463	9463	9463	158.2905	1.614	0.0705	0.1905	-1.0965	247.686	1
9463_9464	9463	9464	-87.0465	25.0905	-0.639	-0.3285	2.8395	229.4265	1
9464_9464	9464	9464	166.188	4.941	0.0915	0.2235	-0.7395	238.125	1
9464_9465	9464	9465	47.82	2.5095	0.063	0.0615	0.1275	67.7985	1
9465_9465	9465	9465	167.3925	9.909	-0.003	0.0945	1.2915	204.6705	1
9465_9466	9465	9466	-51.138	-10.311	0.0645	0.216	0.699	112.1565	1
9466_9466	9466	9466	63.966	-15.5775	0.231	-0.012	0.528	234.1185	1
9466_9467	9466	9467	-59.805	-12.78	-0.546	0.036	-4.0035	223.785	1
9467_9467	9467	9467	69.2865	-14.985	-0.0165	0.4275	1.587	378.1095	1
9467_9468	9467	9468	-63.114	-14.286	-0.525	0.3855	-7.263	302.2815	1
9468_9468	9468	9468	66.195	-29.4585	-0.6375	0.5805	0.6255	461.577	1
9468_9469	9468	9469	-64.422	-0.642	-4.1505	0.0045	-18.9825	303.7155	1
9469_9469	9469	9469	65.328	29.5275	0.5355	-0.618	-1.281	550.224	1
9469_9470	9469	9470	-84.2685	-0.207	4.1445	-0.5235	-4.182	347.3325	1
9470_9470	9470	9470	69.8925	15.312	-0.0405	0.066	0.72	460.971	1
9470_9471	9470	9471	-77.679	17.262	0.345	-0.051	-2.0685	250.974	1
9471_9471	9471	9471	69.339	16.7205	0.0225	-0.3675	0.726	375.9	1
9471_9472	9471	9472	-70.1865	15.0555	0.1455	-0.279	0.177	114.2265	1
9472_9472	9472	9472	63.576	17.9295	0.1065	-0.2415	-0.027	231.312	1
9472_9473	9472	9473	-82.8735	-19.575	-0.084	0.3975	-2.187	70.743	1
9473_9473	9473	9473	161.5215	-2.694	-0.0645	-0.2145	-0.153	184.6335	1
9473_9474	9473	9474	-82.725	-23.1645	0.6825	0.393	3.2805	237.735	1
9474_9474	9474	9474	153.1785	0.2355	-0.024	-0.1785	-0.3285	206.4765	1
9474_9475	9474	9475	-82.164	-25.0815	0.6825	0.3165	8.205	418.4955	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9475_9475	9475	9475	153.3825	4.1805	1.6275	-0.258	-1.587	206.2065	1
9475_9476	9475	9476	-83.5905	-28.563	-2.5635	-0.186	-18.813	730.416	1
9476_9476	9476	9476	70.263	-4.449	-2.52	0.783	-22.7145	269.079	1
9476_9477	9476	9477	-82.8825	-30.561	-2.4945	0.939	-27.6915	837.0075	1
9477_9477	9477	9477	68.007	-4.485	-3.954	-0.255	-31.401	284.6535	1
9477_9148	9477	9148	-84.1365	-32.1015	-20.2035	-1.2645	-110.715	968.2935	1
9480_9168	9480	9168	60.444	3.1395	4.461	0.2505	-46.662	239.0655	1
9480_9481	9480	9481	-84.591	32.385	20.7585	1.287	-28.2525	846.2505	1
9481_9481	9481	9481	60.3465	3.189	2.172	-0.534	-27.501	226.233	1
9481_9482	9481	9482	-84.5925	30.9015	2.607	-0.429	-18.816	738.1725	1
9482_9482	9482	9482	62.238	4.5945	2.244	-0.036	-20.511	215.355	1
9482_9483	9482	9483	-85.338	28.7775	2.607	0.042	9.627	424.185	1
9483_9483	9483	9483	149.679	0.828	0.1125	0.006	-0.4995	219.0525	1
9483_9484	9483	9484	-83.316	25.3305	-0.744	-0.4785	3.237	241.629	1
9484_9484	9484	9484	155.2875	4.0725	-0.078	0.3075	0.2805	214.4445	1
9484_9485	9484	9485	-85.164	23.3235	-0.645	-0.2265	-1.275	73.0515	1
9485_9485	9485	9485	156.0705	8.616	0.06	0.0585	0.9615	187.2795	1
9485_9486	9485	9486	-61.374	-10.293	0.066	0.2115	0.5445	93.855	1
9486_9486	9486	9486	62.763	-15.7005	0.297	0.3795	0.1245	237.1485	1
9486_9487	9486	9487	-70.3065	-13.2075	-0.4035	0.2805	-2.847	209.415	1
9487_9487	9487	9487	67.242	-15.513	0.195	-0.2775	1.0875	383.5635	1
9487_9488	9487	9488	-73.5525	-14.9085	-0.6075	-0.0225	-6.8655	291.786	1
9488_9488	9488	9488	63.267	-29.421	-0.69	0.855	1.713	470.0985	1
9488_9489	9488	9489	-75.174	0.984	-5.028	0.3	-20.8905	287.8575	1
9489_9489	9489	9489	65.6535	29.9265	0.8865	-0.843	-1.872	562.5555	1
9489_9490	9489	9490	-75.5385	-0.5325	5.529	-0.099	-7.5465	312.0045	1
9490_9490	9490	9490	70.404	15.66	-0.0855	0.0795	1.344	472.629	1
9490_9491	9490	9491	-66.354	14.9385	0.582	-0.048	-3.6	228.294	1
9491_9491	9491	9491	67.9215	16.932	-0.0885	-0.357	1.5255	385.893	1
9491_9492	9491	9492	-58.3575	12.8385	0.378	-0.2145	0.831	110.1	1
9492_9492	9492	9492	63.5625	18.4035	0.096	-0.2355	-0.177	238.293	1
9492_9493	9492	9493	-85.59	-19.8405	-0.051	0.387	-1.7955	70.6305	1
9493_9493	9493	9493	166.767	-2.502	0.0285	-0.3525	-0.4425	181.404	1
9493_9494	9493	9494	-85.9365	-23.529	0.639	0.216	3.411	240.2445	1
9494_9494	9494	9494	158.49	0.42	-0.159	-0.045	-0.072	203.454	1
9494_9495	9494	9495	-85.365	-25.521	0.747	0.4725	8.6895	424.17	1
9495_9495	9495	9495	154.3455	4.1325	1.848	-0.237	-1.956	203.5695	1
9495_9496	9495	9496	-87.5115	-29.0835	-2.568	-0.186	-18.4185	742.0455	1
9496_9496	9496	9496	58.053	-4.119	-1.965	0.609	-17.2755	226.908	1
9496_9497	9496	9497	-86.8215	-31.0875	-2.4945	0.921	-27.2805	850.1775	1
9497_9497	9497	9497	56.046	-4.1205	-4.4535	-0.2445	-23.625	241.272	1
9497_9184	9497	9184	-88.137	-32.6535	-21.168	-1.3575	-114.183	983.682	1
9500_9204	9500	9204	130.5615	-2.673	-5.3925	0.0885	47.1645	213.2835	1
9500_9501	9500	9501	-89.271	32.5455	19.968	1.902	-40.7595	867.7695	1
9501_9501	9501	9501	137.802	-2.658	-1.593	0.243	27.0255	225.5205	1
9501_9502	9501	9502	-89.2935	31.2795	3.384	-2.3175	-29.748	758.6205	1
9502_9502	9502	9502	141.726	0.4755	-2.0595	0.4065	22.26	235.38	1
9502_9503	9502	9503	-90.009	29.1315	3.615	0.558	10.32	440.526	1
9503_9503	9503	9503	144.3765	4.1295	-0.171	0.3675	0.4035	233.625	1
9503_9504	9503	9504	-88.1325	25.6245	-0.66	-0.2205	4.8525	255.8595	1
9504_9504	9504	9504	150.144	7.2975	0.06	0.1245	-1.1895	205.296	1
9504_9505	9504	9505	-95.541	22.7625	-0.8055	-0.717	-0.783	88.1085	1
9505_9505	9505	9505	149.1015	11.6655	-0.024	0.1485	0.4845	154.5045	1
9505_9506	9505	9506	-103.752	-10.5405	0.039	-0.0675	-0.0495	28.8045	1
9506_9506	9506	9506	74.7765	-14.4	-0.144	-0.198	1.005	266.367	1
9506_9507	9506	9507	-127.101	-16.3815	0.1035	-0.1905	-0.2145	167.835	1
9507_9507	9507	9507	74.352	-15.267	-0.0915	0.462	1.506	406.98	1
9507_9508	9507	9508	-131.964	-19.341	0.2145	0.042	0.3075	274.116	1
9508_9508	9508	9508	70.1715	-30.918	0.477	0.774	1.7595	492.5145	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9508_9509	9508	9509	-121.124	6.6915	5.676	3.093	17.724	253.467	1
9509_9509	9509	9509	70.4385	31.629	0.4875	-0.8085	2.9625	586.926	1
9509_9510	9509	9510	-126.03	-7.7415	6.687	-2.67	37.2765	275.376	1
9510_9510	9510	9510	76.3005	16.0485	-0.0555	-0.621	3.4815	491.322	1
9510_9511	9510	9511	-107.759	17.565	-2.628	-0.1515	20.8665	176.3925	1
9511_9511	9511	9511	75.807	17.2695	-0.111	0.06	2.2065	403.68	1
9511_9512	9511	9512	-85.7955	13.2285	-2.385	-0.2175	-0.6855	45.483	1
9512_9512	9512	9512	77.8095	16.257	0.0315	-0.174	0.5925	263.1	1
9512_9513	9512	9513	-88.638	-19.8795	-0.018	0.537	-1.14	96.9345	1
9513_9513	9513	9513	120.786	-4.2795	0.171	0.3555	2.217	150.4035	1
9513_9514	9513	9514	-89.6445	-23.793	0.729	0.5295	4.521	267.648	1
9514_9514	9514	9514	114.216	-4.173	0.156	0.267	3.237	193.5735	1
9514_9515	9514	9515	-85.887	-26.1555	0.7065	0.378	9.51	455.9595	1
9515_9515	9515	9515	104.145	-1.5315	-3.021	0.0105	4.005	227.34	1
9515_9516	9515	9516	-87.2325	-29.6625	-3.543	-0.168	-29.136	779.844	1
9516_9516	9516	9516	93.5565	-0.2445	-2.6745	0.798	-25.326	250.455	1
9516_9517	9516	9517	-86.499	-31.746	-3.4875	1.0845	-41.445	890.595	1
9517_9517	9517	9517	93.429	-0.066	-6.8835	-0.552	-35.082	251.3475	1
9517_9220	9517	9220	-86.667	-33.117	-19.602	-1.8495	-122.084	1026.285	1
9520_9240	9520	9240	76.512	-0.2805	-0.402	0.6435	-45.6075	193.9845	1
9520_9521	9520	9521	-106.329	34.782	1.29	2.028	-64.482	915.8325	1
9521_9521	9521	9521	75.8085	-0.33	2.4495	-0.936	-46.707	194.7255	1
9521_9522	9521	9522	-106.866	33.531	3.357	-1.275	-51.9495	797.7195	1
9522_9522	9522	9522	79.3605	1.2585	2.604	-0.0345	-40.098	196.575	1
9522_9523	9522	9523	-107.639	30.9615	3.3495	-0.0915	-15.3855	459.4245	1
9523_9523	9523	9523	93.2775	3.2295	0.786	-0.6315	-12.0405	186.9315	1
9523_9524	9523	9524	-107.133	27.1035	0.642	-0.9615	-10.443	263.64	1
9524_9524	9524	9524	101.517	4.59	0.5985	-0.174	-6.4395	166.9365	1
9524_9525	9524	9525	-112.535	23.9775	0.879	-0.2205	-4.5405	87.8235	1
9525_9525	9525	9525	117.603	4.86	0.321	-0.4305	-2.319	142.0365	1
9525_9526	9525	9526	-57.1155	-6.9585	-0.192	0.216	-1.539	25.2975	1
9526_9526	9526	9526	92.4855	-14.8305	0.945	-0.5235	-2.7375	281.382	1
9526_9527	9526	9527	-124.589	-13.707	3.3915	-0.189	33.015	125.7585	1
9527_9527	9527	9527	92.5965	-15.084	0.243	0.816	2.331	421.674	1
9527_9528	9527	9528	-127.806	-16.3965	3.795	-0.4815	54.153	216.228	1
9528_9528	9528	9528	87.7815	-34.725	0.768	0.366	0.591	506.076	1
9528_9529	9528	9529	-120.627	9.162	3.45	8.1885	63.9255	187.704	1
9529_9529	9529	9529	87.9045	34.914	0.963	-0.9465	3.045	611.5755	1
9529_9530	9529	9530	-123.216	-8.283	8.508	-8.244	89.9145	215.5875	1
9530_9530	9530	9530	94.0725	15.669	0.327	-0.768	5.0145	506.1915	1
9530_9531	9530	9531	-102.722	15.003	-5.5995	0.345	55.413	128.7435	1
9531_9531	9531	9531	93.1005	16.6455	0.678	-0.009	1.209	420.435	1
9531_9532	9531	9532	-75.8895	10.4055	-4.6695	-0.42	6.9195	22.1955	1
9532_9532	9532	9532	92.8425	17.688	-0.165	-0.249	5.625	279.9285	1
9532_9533	9532	9533	-110.601	-20.0175	0.4035	0.633	-3.1155	93.0885	1
9533_9533	9533	9533	122.2575	-2.1225	0.0675	0.051	4.7505	156.165	1
9533_9534	9533	9534	-108.861	-25.125	0.2145	-0.0105	-0.909	273.3255	1
9534_9534	9534	9534	115.26	-2.2215	-0.297	0.546	5.1165	185.1705	1
9534_9535	9534	9535	-105.983	-27.873	0.561	0.9255	2.952	473.9805	1
9535_9535	9535	9535	102.108	0.1965	0.5835	0.081	3.4875	205.8435	1
9535_9536	9535	9536	-106.826	-31.959	-0.7365	-0.5085	-4.776	822.759	1
9536_9536	9536	9536	92.511	1.488	0.4395	0.243	10.113	210.0615	1
9536_9537	9536	9537	-106.029	-34.512	-0.5415	1.2615	-7.1205	943.188	1
9537_9537	9537	9537	90.453	0.96	-4.119	-4.5825	12.105	204.6285	1
9537_9254	9537	9254	-105.062	-36.2235	-5.3415	-5.3475	-29.076	1090.016	1
9540_9275	9540	9275	91.059	0.0225	5.397	0.8535	-92.013	255.231	1
9540_9541	9540	9541	-106.002	35.0715	6.582	1.593	-75.825	968.322	1
9541_9541	9541	9541	92.1945	0.1605	4.0755	-1.9575	-69.741	254.0205	1
9541_9542	9541	9542	-104.877	34.3545	3.492	-3.4305	-63.063	846.213	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9542_9542	9542	9542	94.653	2.199	3.9555	-0.0045	-56.775	253.923	1
9542_9543	9542	9543	-109.379	31.734	4.0275	0.147	-22.479	499.269	1
9543_9543	9543	9543	104.0145	4.9725	0.6525	-0.801	-13.692	232.482	1
9543_9544	9543	9544	-109.019	28.197	0.921	-1.131	-15.402	294.927	1
9544_9544	9544	9544	111.57	6.4425	0.5385	-0.4215	-9.2205	199.1475	1
9544_9545	9544	9545	-111.81	25.446	1.026	-0.507	-8.1705	110.2845	1
9545_9545	9545	9545	122.6325	7.3905	1.008	-0.585	-5.3205	158.9835	1
9545_9546	9545	9546	-75.936	-9.615	-0.9105	0.372	-9.789	34.179	1
9546_9546	9546	9546	93.7065	-14.5365	1.698	-0.3825	-6.3075	277.2765	1
9546_9547	9546	9547	-94.887	-13.6785	-4.2105	-0.018	-48.192	149.778	1
9547_9547	9547	9547	93.7935	-15.7725	0.408	0.249	-3.03	421.899	1
9547_9548	9547	9548	-98.781	-15.93	-4.2405	1.1355	-73.152	237.9075	1
9548_9548	9548	9548	88.8855	-35.9295	1.3185	-0.6525	-7.458	510.9045	1
9548_9549	9548	9549	-98.7465	4.641	-1.1085	-11.2725	-73.581	223.278	1
9549_9549	9549	9549	89.1765	34.9035	1.092	-0.312	-3.2685	619.1925	1
9549_9550	9549	9550	-107.463	-7.8345	-6.7065	11.5425	-97.7325	237.15	1
9550_9550	9550	9550	94.452	14.4225	1.434	-1.278	-5.289	515.2035	1
9550_9551	9550	9551	-110.402	17.802	5.286	-1.1865	-61.116	137.5995	1
9551_9551	9551	9551	93.87	16.329	1.383	0.0705	-0.12	434.67	1
9551_9552	9551	9552	-61.4505	9.0345	-5.1675	-0.4725	12.3615	19.134	1
9552_9552	9552	9552	94.6485	16.944	-0.0855	-0.2985	8.0925	308.319	1
9552_9553	9552	9553	-111.783	-19.881	1.02	0.753	-2.067	70.701	1
9553_9553	9553	9553	126.321	-0.63	-0.387	0.354	10.8555	180.1875	1
9553_9554	9553	9554	-109.254	-25.2495	0.618	0.504	2.628	245.7255	1
9554_9554	9554	9554	119.814	-1.821	-0.243	0.1125	8.3595	203.2305	1
9554_9555	9554	9555	-108.071	-28.0905	0.5955	0.3615	6.849	443.2515	1
9555_9555	9555	9555	107.199	1.014	-0.978	-0.0015	6.9675	219.4425	1
9555_9556	9555	9556	-108.042	-32.727	-0.768	-0.4725	-1.4175	791.16	1
9556_9556	9556	9556	94.995	2.337	-0.966	0.2955	-2.7075	214.746	1
9556_9557	9556	9557	-107.111	-35.658	-0.66	0.447	-3.918	913.1445	1
9557_9557	9557	9557	93.6495	2.52	-2.5425	-2.8965	-5.6385	205.41	1
9557_9288	9557	9288	-105.545	-37.6515	-3.8355	-4.0155	-25.9335	1121.498	1
49000_9000	49000	9000	4.431	39.6285	-4.218	-11.166	0	35.9115	1
49000_9001	49000	9001	-1.7685	-99.351	0.9225	7.3275	7.662	810.5775	1
49001_9001	49001	9001	-0.8265	-9.1725	6.1695	2.442	51.192	64.8735	1
49001_9002	49001	9002	-2.3625	-91.6215	1.3695	10.386	23.5095	1556.508	1
49002_9002	49002	9002	-0.969	-8.817	-2.9385	2.2005	103.851	147.0375	1
49002_9003	49002	9003	-3.0105	-83.1795	-1.7025	7.926	14.367	2386.569	1
49003_9003	49003	9003	-1.11	-8.88	-2.8305	2.6745	66.9195	254.19	1
49003_9004	49003	9004	-3.261	-64.9365	-1.8855	12.8235	-5.181	3014.96	1
49004_9004	49004	9004	-1.11	-9.1635	0.018	2.142	32.697	361.545	1
49004_9005	49004	9005	-3.696	-60.234	-0.2775	5.13	-3.4275	3539.076	1
49005_9005	49005	9005	-1.158	-9.1695	0.0165	2.9745	32.7615	472.2915	1
49005_9006	49005	9006	-4.02	-51.6825	-0.4515	12.4365	-4.428	3888.516	1
49006_9006	49006	9006	-1.158	-9.1335	0.564	2.0295	32.964	583.1235	1
49006_9007	49006	9007	-4.2405	-48.9075	0.2685	3.8985	3.7515	4145.613	1
49007_9007	49007	9007	-1.158	-9.1335	0.5655	2.598	39.7845	693.495	1
49007_9008	49007	9008	-4.371	-41.049	0.1425	8.2965	10.2765	4256.091	1
49008_9008	49008	9008	-1.1565	-9.3105	0.5955	1.9845	46.617	803.85	1
49008_9009	49008	9009	-4.425	-39.6345	0.3735	3.1815	20.2065	4311.474	1
49009_9009	49009	9009	-1.1565	-9.3105	0.5955	1.887	53.817	916.4055	1
49009_9010	49009	9010	-4.41	-32.226	0.243	3.882	28.1025	4241.034	1
49010_9010	49010	9010	-1.155	-9.6	0.618	0.48	61.011	1028.867	1
49010_9011	49010	9011	-4.4235	-4.131	0.7335	-5.625	33.777	4172.916	1
49011_9011	49011	9011	-1.1535	-9.6	0.6195	2.3595	68.484	1144.899	1
49011_9012	49011	9012	-4.4055	3.4695	0.603	2.4885	43.686	3994.766	1
49012_9012	49012	9012	-1.1535	-9.987	0.549	-0.3795	75.9795	1260.911	1
49012_9013	49012	9013	-4.326	4.9245	1.05	-7.3845	59.145	3776.678	1
49013_9013	49013	9013	-1.1535	-9.987	0.5505	1.89	82.611	1381.58	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49013_9014	49013	9014	-4.1925	12.2925	0.858	0.1365	70.374	3452.859	1
49014_9014	49014	9014	-1.152	-10.428	0.435	-0.5265	89.2635	1502.225	1
49014_9015	49014	9015	-3.9465	16.6695	-0.3315	-6.465	64.3095	2973.053	1
49015_9015	49015	9015	-1.1115	-10.467	0.4215	1.0065	95.1315	1663.899	1
49015_9016	49015	9016	-3.9705	21.3885	-0.3615	-1.209	60.507	2665.58	1
49016_9016	49016	9016	-0.9135	-10.911	-0.1395	-2.3715	98.5725	1750.229	1
49016_9017	49016	9017	-4.107	24.3255	-2.1315	-8.0355	35.085	2225.231	1
49017_9017	49017	9017	-0.6435	-10.9305	-0.1365	-0.5655	97.065	1878.647	1
49017_9018	49017	9018	-2.397	0.57	-1.1685	-0.42	24.981	1704.606	1
49018_9018	49018	9018	-0.3555	-11.172	0.828	-3.4545	95.178	2023.668	1
49018_9019	49018	9019	-2.358	5.0415	1.4715	-2.985	50.6175	1205.153	1
49019_9019	49019	9019	-0.099	-11.2245	0.8445	-2.613	104.7285	2164.082	1
49019_9020	49019	9020	0.5625	-3.4635	0.0285	-0.642	47.112	824.1495	1
49020_9020	49020	9020	-61.4835	36.8265	-0.1035	-4.8585	36.5985	1236.228	1
49020_9021	49020	9021	106.3725	-44.3145	-7.6455	-2.0685	177.96	1309.223	1
49021_9021	49021	9021	-75.2775	26.0985	-1.8525	-1.728	86.928	915.537	1
49021_9022	49021	9022	97.8285	-40.35	-7.6545	3.6285	107.823	1443.56	1
49022_9022	49022	9022	-87.432	20.1435	-3.045	-1.893	95.7375	737.2515	1
49022_9023	49022	9023	89.223	-35.922	-7.2135	3.006	41.8815	1538.282	1
49023_9023	49023	9023	-111.756	6.54	-2.8305	-2.7735	109.65	649.338	1
49023_9024	49023	9024	81	-32.6055	-1.044	-1.281	26.5215	1623.414	1
49024_9024	49024	9024	-107.946	4.2855	-2.865	-2.5755	90.993	605.8215	1
49024_9025	49024	9025	73.6035	-27.375	-0.8895	-0.498	13.467	1682.871	1
49025_9025	49025	9025	-105.504	3.6735	-2.7195	-1.7895	68.8515	574.1565	1
49025_9026	49025	9026	67.5825	-21.681	-0.774	2.358	2.655	1719.974	1
49026_9026	49026	9026	-99.8295	2.415	-2.307	-3.429	48.276	548.4195	1
49026_9027	49026	9027	63.87	-20.5845	-0.174	-4.194	-0.2775	1742.849	1
49027_9027	49027	9027	-99.8325	2.415	-2.124	-2.4465	34.4415	533.9475	1
49027_9028	49027	9028	61.002	-16.029	-0.225	-0.4155	-3.1515	1748.987	1
49028_9028	49028	9028	-96.8055	2.091	-2.133	-2.466	22.1655	520.95	1
49028_9029	49028	9029	57.1125	-34.662	0.1935	2.142	-5.559	1728.353	1
49029_9029	49029	9029	-95.5365	1.9815	-2.109	-2.3445	9.594	508.611	1
49029_9030	49029	9030	58.5315	-30.3375	0.2535	2.8635	-4.0515	1700.079	1
49030_9030	49030	9030	-92.9325	1.2255	-2.601	-3.639	-2.5605	497.766	1
49030_9031	49030	9031	61.4865	-27.918	0.9045	-0.837	4.329	1657.13	1
49031_9031	49031	9031	-92.9325	1.2255	-2.601	-3.639	-23.3535	487.9725	1
49031_9032	49031	9032	65.784	-22.668	1.0665	-0.018	15.729	1590.738	1
49032_9032	49032	9032	-147.032	-6.1455	2.811	3.1005	53.037	490.128	1
49032_9033	49032	9033	70.9245	-17.865	1.125	2.775	28.9365	1498.257	1
49033_9033	49033	9033	-144.606	-10.7655	4.9275	0.87	70.9455	551.103	1
49033_9034	49033	9034	76.608	-14.8395	7.6185	-3.1635	93.753	1395.153	1
49034_9034	49034	9034	-106.314	-22.338	2.7855	1.7385	72.1215	677.9175	1
49034_9035	49034	9035	82.389	-10.8255	7.839	-2.4225	162.1365	1276.991	1
49035_9035	49035	9035	-89.178	-28.653	1.773	4.869	64.605	894.243	1
49035_9036	49035	9036	89.913	-6.6015	7.7985	3.297	245.5725	1103.153	1
49036_9036	49036	9036	58.3125	52.455	3.8565	-10.4115	-93.903	2200.907	1
49036_9037	49036	9037	-35.538	-56.3175	-1.2405	1.665	34.308	1090.452	1
49037_9037	49037	9037	-38.3715	15.7455	-0.597	4.9365	61.308	1980.377	1
49037_9038	49037	9038	-39.7935	-51.1185	-2.1165	4.6635	10.437	1505.264	1
49038_9038	49038	9038	-38.7645	14.454	0.2415	0.9105	54.4245	1783.038	1
49038_9039	49038	9039	-44.196	-46.2765	1.524	2.0655	22.353	1897.256	1
49039_9039	49039	9039	-39.111	13.4865	0.315	2.382	57.564	1587.525	1
49039_9040	49039	9040	-47.376	-41.0505	1.821	6.2475	39.9495	2187.752	1
49040_9040	49040	9040	-39.342	12.294	0.201	0.921	61.3005	1428.957	1
49040_9041	49040	9041	-49.29	-40.5345	1.194	3.4545	49.5975	2386.668	1
49041_9041	49041	9041	-39.45	11.9415	0.1965	0.144	62.9625	1316.523	1
49041_9042	49041	9042	-52.2165	-32.067	1.35	4.3935	70.659	2666.423	1
49042_9042	49042	9042	-39.45	11.3085	-0.42	-1.0245	65.9265	1135.977	1
49042_9043	49042	9043	-53.2155	-55.8015	-0.216	3.585	71.2515	2877.551	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49043_9043	49043	9043	-39.45	11.3085	-0.39	-0.264	60.9405	1001.592	1
49043_9044	49043	9044	-51.915	-47.8335	-0.18	7.0455	69.126	3017.615	1
49044_9044	49044	9044	-39.4515	10.9245	-0.3045	-1.5915	56.3145	867.3285	1
49044_9045	49044	9045	-50.115	-45.765	-0.0675	1.497	68.418	3134.198	1
49045_9045	49045	9045	-39.4515	10.9245	-0.2715	-0.9735	52.704	737.538	1
49045_9046	49045	9046	-47.9295	-37.785	-0.0345	5.391	67.734	3149.36	1
49046_9046	49046	9046	-10.3185	-11.355	0.4545	0.9015	53.829	647.0535	1
49046_9047	49046	9047	-50.0685	-10.545	0.0585	-3.8115	68.823	3147.408	1
49047_9047	49047	9047	-10.3185	-11.355	0.4635	1.557	59.235	781.911	1
49047_9048	49047	9048	-47.8845	-2.382	0.1065	0.435	70.305	3044.981	1
49048_9048	49048	9048	-10.3185	-11.652	0.5415	0.15	64.7415	916.7595	1
49048_9049	49048	9049	-45.393	-0.5175	0.3345	-5.6655	74.7165	2918.238	1
49049_9049	49049	9049	-10.317	-11.652	0.5505	1.035	71.178	1055.126	1
49049_9050	49049	9050	-36.0285	-19.0365	0.3735	1.155	76.2915	2709.081	1
49050_9050	49050	9050	-10.317	-12.1185	0.1095	-0.561	77.715	1193.48	1
49050_9051	49050	9051	-31.0515	-15.975	-1.116	-3.0765	56.0055	2422.214	1
49051_9051	49051	9051	-10.212	-12.207	0.1185	0.054	79.368	1377.804	1
49051_9052	49051	9052	-28.023	-10.6785	-0.987	-0.5505	46.8945	2227.481	1
49052_9052	49052	9052	-10.293	-12.8055	0.012	-0.8055	79.788	1478.504	1
49052_9053	49052	9053	-23.5425	-8.0775	-1.515	-3.111	29.289	1935.656	1
49053_9053	49053	9053	-9.99	-13.068	0.012	-2.4855	79.8195	1632.377	1
49053_9054	49053	9054	-18.582	-2.0535	-1.1265	-2.2305	17.889	1547.414	1
49054_9054	49054	9054	-9.648	-13.5405	0.9585	-2.745	80.028	1805.772	1
49054_9055	49054	9055	-14.3625	2.6895	1.659	-2.3535	46.581	1126.733	1
49055_9055	49055	9055	-9.291	-13.788	0.9675	-3.582	92.0985	1975.508	1
49055_9056	49055	9056	-0.0105	-4.194	0.033	-0.7965	26.5575	720.0465	1
49056_9056	49056	9056	-72.171	33.405	-0.5445	-5.0325	47.664	1126.794	1
49056_9057	49056	9057	97.7085	-43.653	-7.0485	-1.968	152.9535	1366.673	1
49057_9057	49057	9057	-88.653	23.1525	-2.13	-2.7165	87.696	850.0455	1
49057_9058	49057	9058	91.428	-39.528	-7.035	1.6785	89.1165	1501.443	1
49058_9058	49058	9058	-114.692	10.7085	-3.9075	-0.9765	115.368	710.3295	1
49058_9059	49058	9059	84.969	-35.0295	-6.8505	4.311	27.6135	1611.659	1
49059_9059	49059	9059	-112.772	5.658	-2.652	-3.4485	95.5245	650.025	1
49059_9060	49059	9060	78.8265	-31.7565	-0.7035	-2.328	16.3875	1708.775	1
49060_9060	49060	9060	-107.484	4.2405	-2.49	-2.5005	76.3725	609.786	1
49060_9061	49060	9061	73.335	-26.517	-0.6945	0.822	6.1035	1777.839	1
49061_9061	49061	9061	-103.35	3.567	-2.46	-2.4165	57.3075	578.1435	1
49061_9062	49061	9062	68.988	-20.844	-0.549	1.6875	-1.827	1820.853	1
49062_9062	49062	9062	-99.027	2.652	-1.8615	-3.1275	38.49	551.6295	1
49062_9063	49062	9063	66.3915	-20.0205	-0.129	-1.5735	-3.8925	1848.813	1
49063_9063	49063	9063	-96.3675	2.3985	-2.025	-4.029	27.7845	536.2665	1
49063_9064	49063	9064	62.706	-39.18	0.2625	-1.8795	-5.9055	1857.951	1
49064_9064	49064	9064	-92.949	-1.908	1.977	3.9285	5.7165	540.3585	1
49064_9065	49064	9065	63.7245	-34.74	0.0945	4.6845	-5.1885	1846.763	1
49065_9065	49065	9065	-97.833	-2.2305	1.8435	3.1575	16.905	552.642	1
49065_9066	49065	9066	65.4705	-30.5025	0.2355	2.397	-3.354	1816.845	1
49066_9066	49066	9066	-101.487	-2.9445	2.3325	2.1375	27.4455	566.0955	1
49066_9067	49066	9067	68.733	-28.284	0.7365	-1.581	4.1085	1771.403	1
49067_9067	49067	9067	-107.49	-3.555	2.493	2.9655	45.297	590.784	1
49067_9068	49067	9068	73.233	-23.07	0.756	1.4475	13.173	1701.06	1
49068_9068	49068	9068	-112.025	-4.173	2.5095	3.042	64.503	620.943	1
49068_9069	49068	9069	78.468	-18.282	0.8565	2.1975	23.9955	1603.04	1
49069_9069	49069	9069	-118.559	-5.913	4.5015	1.3365	82.557	659.973	1
49069_9070	49069	9070	84.1665	-15.4785	7.2105	-2.265	85.182	1494.645	1
49070_9070	49070	9070	-123.177	-10.5375	4.2765	1.6725	106.263	721.2345	1
49070_9071	49070	9071	89.8095	-11.397	7.4025	-1.2915	149.778	1368.035	1
49071_9071	49071	9071	-96.414	-23.3655	2.412	4.2285	81.3285	873.1515	1
49071_9072	49071	9072	97.08	-7.0605	7.359	2.496	228.483	1196.508	1
49072_9072	49072	9072	-17.223	13.9395	-0.9675	2.646	91.59	2186.729	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49072_9073	49072	9073	-29.1405	-56.877	-1.707	2.2065	43.8195	1132.934	1
49073_9073	49073	9073	-17.0985	13.431	-0.93	3.8505	79.9935	2012.351	1
49073_9074	49073	9074	-32.406	-51.495	-2.571	4.293	13.8855	1567.902	1
49074_9074	49074	9074	-16.7475	12.6735	0.183	0.8475	69.552	1844.913	1
49074_9075	49074	9075	-35.895	-46.6725	1.6545	1.986	27.288	1986.738	1
49075_9075	49075	9075	-17.067	12.2385	0.222	2.694	71.8845	1671.323	1
49075_9076	49075	9076	-38.2815	-41.232	1.992	6.552	47.499	2298.665	1
49076_9076	49076	9076	-17.2695	11.4525	0.15	0.438	74.535	1527.482	1
49076_9077	49076	9077	-43.5225	-68.1	1.2225	4.8765	57.945	2526.426	1
49077_9077	49077	9077	-17.367	11.304	0.156	0.372	75.7725	1439.18	1
49077_9078	49077	9078	-43.452	-59.6955	1.26	7.326	76.3125	2884.943	1
49078_9078	49078	9078	-16.6215	10.899	-0.522	-0.8655	78.3525	1284.233	1
49078_9079	49078	9079	-43.299	-57.4275	-0.624	3.522	70.725	3137.28	1
49079_9079	49079	9079	-16.623	10.899	-0.507	0.234	72.5205	1162.623	1
49079_9080	49079	9080	-42.8325	-50.1615	-0.663	7.6245	63.702	3303.399	1
49080_9080	49080	9080	-16.623	10.554	-0.4185	-0.951	66.8595	1040.912	1
49080_9081	49080	9081	-42.1425	-48.825	-0.2115	3.3885	61.8555	3449.846	1
49081_9081	49081	9081	-16.623	10.554	-0.4185	-0.951	62.1945	923.061	1
49081_9082	49081	9082	-41.274	-41.574	-0.2745	4.6905	58.977	3504.288	1
49082_9082	49082	9082	-16.6245	10.3245	-0.387	-1.6755	57.5295	805.2135	1
49082_9083	49082	9083	-40.209	-40.1325	0.012	0.1635	59.721	3541.664	1
49083_9083	49083	9083	-15.693	10.3095	-0.3795	-1.131	53.058	681.399	1
49083_9084	49083	9084	-41.2365	-6.222	0.0285	1.512	59.9775	3492.939	1
49084_9084	49084	9084	-6.282	-9.81	0.5115	0.4635	55.7475	794.178	1
49084_9085	49084	9085	-40.2435	-5.424	0.207	-4.854	62.532	3428.303	1
49085_9085	49085	9085	-6.765	-9.825	0.5115	1.275	61.209	903.765	1
49085_9086	49085	9086	-39.1365	1.911	0.1935	-0.366	64.389	3273.255	1
49086_9086	49086	9086	-6.7635	-10.101	0.558	-0.2475	66.9255	1013.439	1
49086_9087	49086	9087	-37.89	3.1605	0.6105	-6.357	71.3805	3099.002	1
49087_9087	49087	9087	-6.8145	-10.1025	0.564	0.711	73.119	1126.314	1
49087_9088	49087	9088	-36.471	10.4205	0.5685	-2.295	76.8315	2841.083	1
49088_9088	49088	9088	-6.813	-10.5525	0.192	-0.5085	79.407	1239.092	1
49088_9089	49088	9089	-29.358	-13.863	-0.7935	-3.1635	59.6355	2518.52	1
49089_9089	49089	9089	-6.7215	-10.6125	0.1965	-0.285	81.9435	1376.856	1
49089_9090	49089	9090	-27.0405	-9.6285	-0.7485	-0.873	52.164	2287.809	1
49090_9090	49090	9090	-6.5325	-11.0505	-0.0285	-1.464	83.5605	1464.477	1
49090_9091	49090	9091	-23.3745	-7.0875	-1.5645	-4.023	32.937	1960.541	1
49091_9091	49091	9091	-6.7785	-11.2695	-0.0345	-1.689	82.266	1595.975	1
49091_9092	49091	9092	-19.0995	-1.1355	-1.17	-1.3755	19.974	1535.042	1
49092_9092	49092	9092	-6.4845	-11.6985	1.1625	-3.975	81.7305	1745.483	1
49092_9093	49092	9093	-15.2775	3.3585	1.9155	-2.9835	51.3315	1092.935	1
49093_9093	49093	9093	-6.3075	-11.886	1.1805	-1.9785	96.2955	1892.15	1
49093_9094	49093	9094	-11.94	8.1285	1.1325	-0.7035	60.1455	612.501	1
49094_9094	49094	9094	-69.357	33.288	-0.498	-4.56	45.723	1119.081	1
49094_9095	49094	9095	98.799	-43.743	-6.867	-1.35	146.379	1353.972	1
49095_9095	49095	9095	-84.1755	23.0235	-2.028	-2.4555	84.183	841.4955	1
49095_9096	49095	9096	92.367	-39.603	-6.828	1.971	84.396	1488.24	1
49096_9096	49096	9096	-105.989	11.073	-3.819	-1.7145	109.1265	697.3485	1
49096_9097	49096	9097	85.7535	-35.0655	-6.528	2.724	25.7565	1598.684	1
49097_9097	49097	9097	-103.532	5.775	-2.685	-3.246	90.5115	635.718	1
49097_9098	49097	9098	79.407	-31.9605	-0.6465	-2.145	15.2535	1698.326	1
49098_9098	49098	9098	-98.3085	4.2	-2.5815	-2.3925	71.415	597.309	1
49098_9099	49098	9099	73.7175	-26.6985	-0.624	0.741	5.8605	1770.014	1
49099_9099	49099	9099	-92.208	3.1395	-2.559	-2.2425	52.0815	568.9395	1
49099_9100	49099	9100	69.1395	-20.994	-0.48	1.6725	-1.1745	1815.738	1
49100_9100	49100	9100	-88.08	2.205	-2.202	-3.189	32.3325	546.495	1
49100_9101	49100	9101	66.3465	-20.328	-0.201	-2.385	-3.4245	1846.133	1
49101_9101	49101	9101	-97.1175	-1.9785	1.9995	2.7645	1.8885	540.867	1
49101_9102	49101	9102	61.4265	-39.3765	0.1935	0.42	-4.2255	1860.852	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49102_9102	49102	9102	-98.988	-2.0985	2.013	2.826	13.581	552.816	1
49102_9103	49102	9103	62.13	-34.8945	0.255	1.095	-2.112	1850.589	1
49103_9103	49103	9103	-100.832	-2.217	2.1885	3.798	25.419	566.088	1
49103_9104	49103	9104	63.543	-30.6345	0.216	4.4415	0.189	1821.996	1
49104_9104	49104	9104	-105.647	-2.9985	2.4105	2.0775	37.9785	580.5675	1
49104_9105	49104	9105	66.3255	-28.5405	0.666	-1.6215	7.953	1778.106	1
49105_9105	49105	9105	-108.975	-3.3225	2.574	2.904	56.9385	605.9325	1
49105_9106	49105	9106	70.32	-23.2485	0.7005	1.4565	17.526	1708.13	1
49106_9106	49106	9106	-115.935	-4.239	2.6115	2.985	76.7235	636.0855	1
49106_9107	49106	9107	75.015	-18.3945	0.8205	2.1195	29.088	1609.397	1
49107_9107	49107	9107	-122.183	-5.9625	4.0575	1.593	95.6025	674.0235	1
49107_9108	49107	9108	80.175	-15.57	6.801	-1.7385	88.2165	1499.391	1
49108_9108	49108	9108	-126.248	-9.4425	3.9585	1.7865	118.7955	729.786	1
49108_9109	49108	9109	85.215	-11.3955	6.99	-0.861	150.531	1369.586	1
49109_9109	49109	9109	-98.7435	-22.491	2.208	3.6015	89.5875	863.517	1
49109_9110	49109	9110	91.719	-6.9555	7.014	1.875	227.07	1193.85	1
49110_9110	49110	9110	-19.695	14.814	-1.2105	2.673	114.9135	2199.971	1
49110_9111	49110	9111	-31.38	-56.019	-2.0025	2.1375	57.102	1143.575	1
49111_9111	49111	9111	-20.0775	14.2935	-1.1775	3.309	99.4935	2013.915	1
49111_9112	49111	9112	-35.307	-50.4525	-2.8515	3.7935	26.247	1563.56	1
49112_9112	49112	9112	-20.4375	13.476	-0.06	1.6005	84.771	1834.707	1
49112_9113	49112	9113	-39.6585	-45.591	1.3965	2.7615	38.73	1962.486	1
49113_9113	49113	9113	-20.2905	12.9285	-0.0435	1.5915	84.603	1653.101	1
49113_9114	49113	9114	-43.0095	-39.9825	1.656	5.502	56.5995	2251.529	1
49114_9114	49114	9114	-20.508	12.2625	-0.2835	0.651	84.1035	1501.128	1
49114_9115	49114	9115	-45.222	-39.471	0.5415	2.598	62.2665	2450.631	1
49115_9115	49115	9115	-20.6145	12.0825	-0.279	0.18	81.7725	1400.915	1
49115_9116	49115	9116	-48.741	-31.5495	0.6	4.3095	72.1755	2718.213	1
49116_9116	49116	9116	-20.616	11.5845	-0.6435	-1.434	77.9475	1235.232	1
49116_9117	49116	9117	-53.9115	-55.827	-0.7005	2.154	68.1645	2923.436	1
49117_9117	49117	9117	-20.616	11.5845	-0.6075	0.564	70.7565	1105.926	1
49117_9118	49117	9118	-54.531	-48.312	-0.669	8.427	60.666	3057.765	1
49118_9118	49118	9118	-20.616	11.304	-0.576	-1.881	63.9765	976.5075	1
49118_9119	49118	9119	-54.819	-46.983	-0.549	0.1755	54.5475	3174.506	1
49119_9119	49119	9119	-19.4655	11.2845	-0.546	-0.339	57.9915	850.3845	1
49119_9120	49119	9120	-54.471	-13.9305	-0.4665	4.2345	49.866	3205.439	1
49120_9120	49120	9120	-19.4655	11.0475	-0.567	-2.025	51.891	724.3185	1
49120_9121	49120	9121	-54.813	-12.804	-0.2805	-4.5015	46.209	3229.812	1
49121_9121	49121	9121	-19.467	11.0475	-0.534	-1.032	45.096	591.849	1
49121_9122	49121	9122	-54.8565	-4.6065	-0.2175	2.4615	42.789	3149.268	1
49122_9122	49122	9122	-20.3325	-7.0815	0.1575	-0.069	34.1325	505.725	1
49122_9123	49122	9123	-54.6555	-3.852	-0.186	-7.8	40.5915	3056.183	1
49123_9123	49123	9123	-20.3325	-7.0815	0.2115	1.5015	35.8875	584.826	1
49123_9124	49123	9124	-54.249	3.7575	-0.072	1.794	39.375	2873.138	1
49124_9124	49124	9124	-20.3325	-7.3545	0.207	-0.3735	38.253	663.927	1
49124_9125	49124	9125	-53.559	4.7895	0.1935	-7.473	41.8245	2675.709	1
49125_9125	49125	9125	-20.331	-7.3545	0.2445	0.969	40.566	745.9995	1
49125_9126	49125	9126	-52.5345	12.2865	0.234	-1.1955	43.9785	2395.419	1
49126_9126	49126	9126	-20.7345	-7.7055	-0.0945	-0.627	42.8235	828.237	1
49126_9127	49126	9127	-44.802	-11.586	-0.9915	-3.534	27.495	2082.485	1
49127_9127	49127	9127	-20.667	-7.8825	-0.0645	0.3375	41.571	925.971	1
49127_9128	49127	9128	-41.94	-7.485	-0.8895	0.1815	20.346	1850.549	1
49128_9128	49128	9128	-20.523	-8.7045	-0.3435	-1.776	41.0025	990.9165	1
49128_9129	49128	9129	-37.1865	-5.589	-1.9365	-4.428	-0.714	1544.799	1
49129_9129	49129	9129	-20.385	-9.237	-0.303	-0.5415	36.843	1099.898	1
49129_9130	49129	9130	-31.3575	-0.0195	-1.4565	-0.483	-14.3265	1164.899	1
49130_9130	49130	9130	58.095	-40.2705	-2.073	5.043	25.3425	1348.5	1
49130_9131	49130	9131	-25.8285	4.2285	2.655	-1.689	29.979	765.642	1
49131_9131	49131	9131	59.7675	-47.0985	-2.841	7.485	-4.7655	1904.118	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49131_9132	49131	9132	20.511	-9.147	0.516	1.1685	32.1525	764.2695	1
49132_9132	49132	9132	-56.829	39.579	1.74	-3.5595	-24.5595	1084.986	1
49132_9133	49132	9133	101.565	-47.7015	-7.5585	0.2595	120.5175	1111.568	1
49133_9133	49133	9133	-61.7565	30.9675	0.462	-4.101	14.379	732.4965	1
49133_9134	49133	9134	94.1325	-43.2795	-7.383	1.362	58.8675	1293.495	1
49134_9134	49134	9134	-98.823	3.5025	2.973	3.783	-41.664	645.171	1
49134_9135	49134	9135	86.4795	-38.421	-7.335	3.861	-2.511	1433.744	1
49135_9135	49135	9135	-98.826	3.183	1.1985	2.2005	-18.6285	618.0255	1
49135_9136	49135	9136	79.1325	-34.3695	0.0015	-1.53	-5.0325	1555.929	1
49136_9136	49136	9136	-98.8245	3.183	1.323	2.94	-9.0345	592.5555	1
49136_9137	49136	9137	72.4035	-28.689	-0.024	1.257	-6.9675	1645.851	1
49137_9137	49137	9137	-101.918	3.096	1.3485	2.9985	0.882	567.6825	1
49137_9138	49137	9138	66.822	-22.539	0.063	2.121	-7.2255	1705.658	1
49138_9138	49138	9138	-104.319	2.5155	0.921	1.3185	11.313	543.417	1
49138_9139	49138	9139	55.8855	-43.509	0.2415	-1.0635	-4.164	1750.446	1
49139_9139	49139	9139	-106.271	2.4255	1.0995	2.2245	16.5585	528.3585	1
49139_9140	49139	9140	55.5345	-38.529	0.1515	2.4225	-2.457	1769.27	1
49140_9140	49140	9140	-108.197	2.3355	1.104	2.25	22.896	514.266	1
49140_9141	49140	9141	55.779	-33.657	0.1515	2.9835	-0.6645	1757.475	1
49141_9141	49141	9141	-111.015	2.1675	0.924	1.452	29.136	500.5935	1
49141_9142	49141	9142	56.778	-29.016	0.246	0.7245	1.6305	1723.94	1
49142_9142	49142	9142	-114.075	1.617	1.431	1.5615	34.209	488.1975	1
49142_9143	49142	9143	59.0805	-26.4945	0.258	0.1335	5.313	1670.586	1
49143_9143	49143	9143	-119.112	1.158	1.317	1.0275	45.0015	477.1125	1
49143_9144	49143	9144	62.6295	-20.7885	0.3975	-1.0275	10.929	1585.869	1
49144_9144	49144	9144	-56.6835	-3.639	-1.254	-2.067	-27.3045	494.8815	1
49144_9145	49144	9145	66.891	-15.5475	0.378	1.6605	16.9605	1468.079	1
49145_9145	49145	9145	-53.5065	-4.149	-2.6805	-2.8155	-36.0645	524.2995	1
49145_9146	49145	9146	71.6175	-12.042	6.072	-1.713	67.92	1333.367	1
49146_9146	49146	9146	-101.573	-19.029	1.272	1.7445	48.357	579.606	1
49146_9147	49146	9147	76.233	-7.584	6.2775	-2.4765	121.56	1176.842	1
49147_9147	49147	9147	-84.636	-26.946	0.4365	3.6015	34.1865	780.936	1
49147_9148	49147	9148	82.188	-2.8545	6.216	1.2885	186.1035	953.6445	1
49148_9148	49148	9148	94.362	49.971	3.9555	-7.1895	-81.702	2170.266	1
49148_9149	49148	9149	-48.252	-55.0725	-1.6485	2.13	33.219	928.62	1
49149_9149	49149	9149	-45.363	15.195	-0.9225	1.3215	58.683	1683.771	1
49149_9150	49149	9150	-55.6515	-49.686	-2.5935	2.7825	1.3725	1303.698	1
49150_9150	49150	9150	-45.675	13.9995	0.1125	2.052	47.19	1493.289	1
49150_9151	49150	9151	-63.597	-44.802	1.602	3.8325	11.4165	1653.077	1
49151_9151	49151	9151	-46.0185	12.825	0.072	-0.3315	48.738	1292.796	1
49151_9152	49151	9152	-69.864	-39.6315	1.773	3.297	27.7665	1890.162	1
49152_9152	49152	9152	-46.2225	11.8515	-0.1635	0.5655	49.5615	1142.049	1
49152_9153	49152	9153	-73.9545	-39.186	0.786	2.991	33.2235	2065.358	1
49153_9153	49153	9153	-46.3215	11.457	-0.198	-0.585	48.2145	1039.604	1
49153_9154	49153	9154	-80.1495	-31.155	0.867	3.0015	44.3925	2289.276	1
49154_9154	49154	9154	-46.3215	11.169	-0.3225	-1.146	45.501	882.075	1
49154_9155	49154	9155	-84.1155	-28.806	-0.15	-0.3315	43.5075	2453.847	1
49155_9155	49155	9155	-45.8685	11.1645	-0.285	-0.456	42.246	759.216	1
49155_9156	49155	9156	-86.8335	-21.153	-0.0555	3.4095	43.041	2555.463	1
49156_9156	49156	9156	-45.8685	11.016	-0.36	-1.464	39.1185	636.4005	1
49156_9157	49156	9157	-88.5015	-19.611	-0.1665	-2.19	41.8275	2625.615	1
49157_9157	49157	9157	-45.8685	11.016	-0.315	-0.9375	35.517	526.236	1
49157_9158	49157	9158	-89.3505	-12.441	-0.051	1.7895	41.4855	2630.319	1
49158_9158	49158	9158	-45.8685	10.9455	-0.315	-1.572	32.373	416.067	1
49158_9159	49158	9159	-89.499	-10.8495	0	-3.834	42.018	2618.904	1
49159_9159	49159	9159	-39.7665	-9.8055	0.327	1.2795	35.2815	479.9715	1
49159_9160	49159	9160	-84.984	-28.419	0.189	3.0945	44.4075	2543.306	1
49160_9160	49160	9160	-39.7665	-9.948	0.252	0.6045	38.559	578.0235	1
49160_9161	49160	9161	-81.7695	-26.01	0.051	-1.08	44.8815	2435.183	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49161_9161	49161	9161	-39.7665	-9.948	0.252	0.6045	41.328	687.36	1
49161_9162	49161	9162	-77.418	-18.9195	0.042	0.288	44.8365	2263.16	1
49162_9162	49162	9162	-39.7665	-10.245	0.0855	0.5985	44.1	796.794	1
49162_9163	49162	9163	-70.5975	-14.952	-0.87	-0.912	32.058	2022.54	1
49163_9163	49163	9163	-39.6795	-10.581	0.0375	-0.9195	45.2625	940.4805	1
49163_9164	49163	9164	-65.6625	-10.761	-0.8565	-2.4795	25.497	1847.105	1
49164_9164	49164	9164	-39.498	-11.451	-0.186	0.123	45.5895	1027.779	1
49164_9165	49164	9165	-57.954	-8.1945	-1.626	-1.8405	8.7885	1582.146	1
49165_9165	49165	9165	-39.1935	-12.45	-0.216	-1.9125	43.338	1172.685	1
49165_9166	49165	9166	-48.666	-2.658	-1.275	-1.8825	-1.521	1241.13	1
49166_9166	49166	9166	-38.865	-13.5015	0.87	-2.0655	40.4655	1337.859	1
49166_9167	49166	9167	-39.8565	1.983	1.626	-1.785	30.8955	861.798	1
49167_9167	49167	9167	93.9735	-40.5795	-3.2175	6.795	-22.9005	1663.208	1
49167_9168	49167	9168	46.3365	-6.492	0.162	1.0035	6.108	682.131	1
49168_9168	49168	9168	-65.7	39.888	1.0485	-4.497	-12.567	1111.971	1
49168_9169	49168	9169	82.224	-47.6775	-6.387	0.0285	121.029	1142.253	1
49169_9169	49169	9169	-75.987	30.4095	-0.0045	-2.985	22.185	761.2365	1
49169_9170	49169	9170	77.214	-43.2975	-6.357	3.5475	66.3045	1316.637	1
49170_9170	49170	9170	-55.821	3.9345	2.7825	2.5815	-50.811	563.76	1
49170_9171	49170	9171	72.03	-38.457	-6.048	2.8095	14.3025	1453.331	1
49171_9171	49171	9171	-55.818	3.522	1.3635	2.3685	-29.25	533.2605	1
49171_9172	49171	9172	67.2285	-34.521	-0.546	0.5085	6.9165	1573.47	1
49172_9172	49172	9172	-59.286	3.414	1.32	1.8105	-19.3125	505.6725	1
49172_9173	49172	9173	63.0825	-28.8765	-0.3915	-0.609	1.3815	1661.235	1
49173_9173	49173	9173	-59.2845	3.414	1.3935	2.409	-8.7585	478.356	1
49173_9174	49173	9174	60.135	-22.761	-0.3675	2.28	-3.201	1719.704	1
49174_9174	49174	9174	-65.4045	2.6805	1.0785	1.6245	1.473	451.4295	1
49174_9175	49174	9175	58.62	-21.444	-0.0795	-0.897	-3.9525	1754.826	1
49175_9175	49175	9175	-65.406	2.6805	0.9705	0.8985	7.947	435.3525	1
49175_9176	49175	9176	57.834	-16.6035	0.033	-3.3645	-4.023	1768.568	1
49176_9176	49176	9176	-69.627	2.421	1.086	1.662	13.191	419.7075	1
49176_9177	49176	9177	62.664	-33.786	0.048	2.5005	-3.177	1753.706	1
49177_9177	49177	9177	-89.256	-1.7565	-0.9	-1.3695	5.979	422.3565	1
49177_9178	49177	9178	65.508	-29.187	0.06	2.949	-2.4765	1718.765	1
49178_9178	49178	9178	-89.253	-2.223	-1.3995	-2.6325	0.5745	432.8925	1
49178_9179	49178	9179	70.1865	-26.3235	0.5475	-1.569	2.778	1659.966	1
49179_9179	49179	9179	-83.4585	-2.439	-1.2435	-1.956	-9.309	451.674	1
49179_9180	49179	9180	75.987	-20.7015	0.531	1.353	8.979	1572.408	1
49180_9180	49180	9180	-83.319	-2.4435	-1.3455	-2.5425	-19.2135	471.2145	1
49180_9181	49180	9181	82.368	-15.5505	0.7005	0.309	17.094	1452.993	1
49181_9181	49181	9181	-83.3205	-2.883	-2.889	-2.778	-29.982	490.7655	1
49181_9182	49181	9182	89.0505	-11.9355	6.1395	-2.295	68.178	1317.248	1
49182_9182	49182	9182	-77.214	-22.4595	0.9885	2.898	37.08	556.7085	1
49182_9183	49182	9183	95.469	-7.584	6.2565	-1.29	121.14	1162.041	1
49183_9183	49183	9183	-67.2285	-30.4335	-0.039	2.9385	22.0035	771.7425	1
49183_9184	49183	9184	103.374	-2.994	6.381	-0.084	186.3375	940.9215	1
49184_9184	49184	9184	69.237	54.4455	3.8475	-7.6005	-70.3545	2242.013	1
49184_9185	49184	9185	-35.1315	-57.4695	-1.605	1.9305	31.4415	827.643	1
49185_9185	49185	9185	67.707	49.6065	3.345	-5.2875	-20.2755	1601.75	1
49185_9186	49185	9186	-40.0695	-52.197	-2.5365	3.186	-1.0125	1231.707	1
49186_9186	49186	9186	-22.2225	10.917	0.2325	1.476	42.6735	1295.544	1
49186_9187	49186	9187	-45.54	-46.9125	1.716	3.0675	9.594	1618.8	1
49187_9187	49187	9187	-22.4925	10.3515	0.231	0.144	45.789	1144.767	1
49187_9188	49187	9188	-49.8555	-41.4795	1.9605	3.786	27.126	1904.39	1
49188_9188	49188	9188	-22.5285	9.741	-0.1395	0.486	48.651	1023.134	1
49188_9189	49188	9189	-52.7055	-40.4145	0.9735	3.1575	33.642	2106.413	1
49189_9189	49189	9189	-22.6095	9.5505	-0.156	-0.573	47.5005	939.0315	1
49189_9190	49189	9190	-57.183	-32.295	1.1145	3.342	47.6175	2372.984	1
49190_9190	49190	9190	-22.059	9.2985	-0.2145	-0.5115	45.819	807.7155	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49190_9191	49190	9191	-63.3975	-54.3705	0.288	6.2835	50.4525	2584.139	1
49191_9191	49191	9191	-22.0575	9.2985	-0.234	-1.1535	43.461	705.429	1
49191_9192	49191	9192	-63.8115	-46.5435	0.249	5.8485	52.74	2707.257	1
49192_9192	49192	9192	-22.0575	9.1575	-0.246	-1.5885	40.881	603.1425	1
49192_9193	49192	9193	-63.6615	-44.3745	0.204	1.5555	54.3735	2792.841	1
49193_9193	49193	9193	-22.059	9.1575	-0.2235	-1.074	38.4345	512.0265	1
49193_9194	49193	9194	-63.0255	-37.377	0.2985	5.808	57.0435	2804.877	1
49194_9194	49194	9194	-18.261	-10.0935	0.4455	1.053	42.372	486.6495	1
49194_9195	49194	9195	-61.8795	-35.28	0.255	-0.7725	59.2365	2794.499	1
49195_9195	49195	9195	-18.261	-10.0935	0.4635	1.6425	46.7985	587.0745	1
49195_9196	49195	9196	-60.15	-28.566	0.333	3.459	62.0535	2719.064	1
49196_9196	49196	9196	-18.2595	-10.344	0.3525	0.363	51.402	687.3945	1
49196_9197	49196	9197	-57.6255	-25.8135	0.054	-2.7705	61.902	2604.933	1
49197_9197	49197	9197	-18.954	-10.3605	0.3645	1.0905	54.777	801.345	1
49197_9198	49197	9198	-54.276	-18.9255	0.1305	1.1475	62.124	2428.725	1
49198_9198	49198	9198	-18.9525	-10.755	0.0825	-0.3135	58.785	915.306	1
49198_9199	49198	9199	-49.047	-14.64	-1.134	-3.2415	44.508	2175.965	1
49199_9199	49199	9199	-18.993	-10.9185	0.0945	-0.0225	59.7855	1067.861	1
49199_9200	49199	9200	-45.327	-10.485	-0.9615	-1.086	36.558	2001.039	1
49200_9200	49200	9200	-18.8085	-11.4675	-0.2565	-1.0455	60.558	1157.946	1
49200_9201	49200	9201	-39.597	-7.356	-1.5075	-3.711	20.817	1718.505	1
49201_9201	49201	9201	-18.513	-11.9385	-0.255	-2.4525	57.495	1298.69	1
49201_9202	49201	9202	-32.892	-1.803	-1.1535	-2.415	10.7325	1354.778	1
49202_9202	49202	9202	-18.732	-12.5625	1.17	-2.1795	53.058	1457.388	1
49202_9203	49202	9203	-26.769	2.916	1.698	-2.202	41.4945	954.6435	1
49203_9203	49203	9203	68.5155	-44.9685	-3.636	8.337	-48.2685	1638.26	1
49203_9204	49203	9204	-1.3185	-3.846	0.1545	-1.554	30.972	620.6115	1
49204_9204	49204	9204	-70.4265	37.8825	0.1095	-5.562	20.5545	1163.156	1
49204_9205	49204	9205	96.471	-45.0345	-6.87	-0.474	145.6605	1250.108	1
49205_9205	49205	9205	-80.6445	28.689	-1.173	-3.597	54.948	823.7025	1
49205_9206	49205	9206	90.4485	-40.9545	-6.7905	3.7845	84.8115	1411.581	1
49206_9206	49206	9206	-91.047	22.098	-2.175	-2.715	63.5025	627.96	1
49206_9207	49206	9207	84.2595	-36.4755	-6.5085	4.779	26.9235	1529.603	1
49207_9207	49207	9207	-79.011	0.4935	2.004	2.568	-52.533	507.21	1
49207_9208	49207	9208	78.396	-32.6415	-1.05	-2.88	13.5615	1631.594	1
49208_9208	49208	9208	-82.548	0.3525	2.1435	3.2955	-37.6965	504.132	1
49208_9209	49208	9209	73.206	-27.3705	-1.0275	0.0225	1.362	1706.007	1
49209_9209	49209	9209	-82.6995	0.345	2.2485	3.9255	-20.589	501.312	1
49209_9210	49209	9210	69.186	-21.657	-0.9585	3.0345	-9.033	1755.665	1
49210_9210	49210	9210	-88.8195	-0.5715	1.4775	1.1835	-3.444	500.0265	1
49210_9211	49210	9211	63.8655	-43.9755	0.258	-3.8385	-9.141	1793.162	1
49211_9211	49211	9211	-88.8165	-0.5715	1.626	2.022	5.4225	503.4495	1
49211_9212	49211	9212	64.5675	-39.3585	0.1815	-0.303	-7.4805	1814.81	1
49212_9212	49212	9212	-93.0915	-0.8655	1.7865	2.9565	14.6355	508.278	1
49212_9213	49212	9213	65.8185	-34.8375	0.102	3.1245	-5.9535	1809.566	1
49213_9213	49213	9213	-98.001	-1.2885	1.9575	3.918	24.7425	514.2255	1
49213_9214	49213	9214	67.74	-30.534	0.0195	6.2415	-4.6875	1786.374	1
49214_9214	49214	9214	-102.542	-2.235	2.118	0.6	35.8875	522.3915	1
49214_9215	49214	9215	71.1615	-28.0785	1.299	-4.779	7.9905	1748.754	1
49215_9215	49215	9215	-107.391	-2.8965	2.3985	2.0445	52.1025	541.893	1
49215_9216	49215	9216	75.636	-22.8375	1.239	0.21	21.7815	1687.079	1
49216_9216	49216	9216	-114.807	-4.5195	2.688	3.672	69.291	568.938	1
49216_9217	49216	9217	80.6655	-18.03	1.143	4.7475	35.7045	1598.493	1
49217_9217	49217	9217	-119.87	-7.845	3.1095	-0.9075	85.3245	612.9135	1
49217_9218	49217	9218	86.058	-15.1335	6.5085	-7.269	91.974	1499.259	1
49218_9218	49218	9218	-105.255	-18.399	2.379	2.997	76.995	707.8995	1
49218_9219	49218	9219	91.161	-11.07	6.2685	-0.78	147.141	1384.119	1
49219_9219	49219	9219	-90.4005	-25.371	1.371	4.617	65.28	904.4865	1
49219_9220	49219	9220	97.4025	-6.75	6.2295	2.0925	213.126	1209.524	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49220_9220	49220	9220	-6.7065	16.878	-0.4845	0.5595	96.174	2217.201	1
49220_9221	49220	9221	-26.0115	-54.3465	-1.236	1.1025	48.828	1200.461	1
49221_9221	49221	9221	-6.489	16.638	-0.4545	4.554	90.804	2005.377	1
49221_9222	49221	9222	-29.3205	-48.3885	-1.9605	4.812	26.9685	1613.979	1
49222_9222	49222	9222	-6.9165	15.948	-0.2265	-1.7805	85.3995	1796.997	1
49222_9223	49222	9223	-33.3	-42.6	1.101	-1.311	34.074	1992.581	1
49223_9223	49223	9223	-6.996	15.7575	-0.195	3.9585	82.6515	1583.414	1
49223_9224	49223	9224	-36.684	-36.468	1.4925	8.2965	47.4735	2254.457	1
49224_9224	49224	9224	-7.263	14.9805	-0.5595	-2.7135	80.454	1398.512	1
49224_9225	49224	9225	-39.0855	-34.8705	0.525	-3.6225	52.011	2429.124	1
49225_9225	49225	9225	-7.389	14.919	-0.534	0.942	75.8115	1274.846	1
49225_9226	49225	9226	-47.991	-51.2205	0.918	7.6785	64.3935	2661.206	1
49226_9226	49226	9226	-7.392	14.3955	-0.567	-2.421	68.0745	1058.903	1
49226_9227	49226	9227	-49.11	-46.425	-0.2085	-1.329	62.1585	2790.453	1
49227_9227	49227	9227	-6.8595	14.3835	-0.555	-0.0615	61.8795	895.335	1
49227_9228	49227	9228	-49.425	-38.355	-0.12	6.6885	60.258	2820.701	1
49228_9228	49228	9228	-6.675	14.0685	-0.687	-2.325	55.6155	731.8005	1
49228_9229	49228	9229	-48.9705	-34.6005	-0.2595	-3.3795	56.979	2803.961	1
49229_9229	49229	9229	-14.1705	-13.4835	0.1515	2.1285	45.858	806.0745	1
49229_9230	49229	9230	-47.5725	-26.9745	-0.18	4.6485	53.7885	2702.723	1
49230_9230	49230	9230	-14.169	-14.1615	0.2325	-1.788	47.5815	959.289	1
49230_9231	49230	9231	-45.1095	-23.0415	-0.5175	-5.8785	46.2465	2556.159	1
49231_9231	49231	9231	-14.169	-14.1615	0.2655	0.819	50.3805	1129.805	1
49231_9232	49231	9232	-42.6015	-17.658	-0.378	0.5835	42.216	2400.584	1
49232_9232	49232	9232	-14.112	-14.217	0.318	5.3265	52.7835	1257.231	1
49232_9233	49232	9233	-41.5905	-16.0695	-0.195	9.243	41.661	2338.098	1
49233_9233	49233	9233	-13.956	-15.195	-0.2295	-3.9975	53.691	1300.932	1
49233_9234	49233	9234	-38.169	-13.9305	-1.95	-7.3425	23.7075	2146.802	1
49234_9234	49234	9234	-14.922	-15.456	-0.2175	-0.9105	50.4075	1446.182	1
49234_9235	49234	9235	-35.229	-10.4775	-1.68	-1.467	13.419	1976.636	1
49235_9235	49235	9235	-14.6895	-15.678	-0.171	2.9625	48.981	1566.557	1
49235_9236	49235	9236	-32.6595	-7.8135	-1.3905	3.7035	7.899	1829.111	1
49236_9236	49236	9236	-14.4195	-16.263	-1.6455	-4.8165	47.55	1664.162	1
49236_9237	49236	9237	-28.5105	-4.2825	-2.6955	-3.7905	-11.8575	1553.82	1
49237_9237	49237	9237	-14.1225	-16.527	-1.587	1.6725	31.758	1824.533	1
49237_9238	49237	9238	-24.657	-0.477	-2.715	2.865	-32.865	1265.477	1
49238_9238	49238	9238	-13.674	-19.5195	2.214	-8.724	15.9795	1978.841	1
49238_9239	49238	9239	-20.793	-2.322	4.7655	-9.2085	12.3945	1002.92	1
49239_9239	49239	9239	-13.7325	-19.74	2.244	-4.839	35.814	2154.374	1
49239_9240	49239	9240	-19.224	-0.7275	4.497	-6.813	29.1375	875.9745	1
49240_9240	49240	9240	-97.269	30.783	1.6935	0.549	41.5695	1232.909	1
49240_9241	49240	9241	107.5725	-30.8835	3.4785	21.654	140.2905	1496.201	1
49241_9241	49241	9241	-102.944	26.0865	-2.5425	-6.927	67.965	1043.928	1
49241_9242	49241	9242	105.753	-39.0045	-3.2055	-7.299	127.6275	1534.376	1
49242_9242	49242	9242	-104.864	24.99	-2.4225	-4.932	64.473	957.792	1
49242_9243	49242	9243	97.4835	-32.331	-2.907	-3.078	81.4035	1669.821	1
49243_9243	49243	9243	-118.928	14.4825	-2.7435	-2.676	67.1865	711.003	1
49243_9244	49243	9244	91.728	-27.1635	-2.718	2.0745	53.1765	1720.949	1
49244_9244	49244	9244	-113.769	9.2775	-2.049	-4.7445	51.057	604.5405	1
49244_9245	49244	9245	86.133	-27.1335	-3.792	-4.6275	13.3365	1816.314	1
49245_9245	49245	9245	-100.124	5.997	-1.8555	-2.814	32.292	526.05	1
49245_9246	49245	9246	82.5225	-21.291	-4.0965	1.341	-26.3535	1867.913	1
49246_9246	49246	9246	-93.7365	4.9215	-1.23	-4.0125	15.8625	474.7425	1
49246_9247	49246	9247	80.235	-41.1345	0.2265	-1.488	-22.821	1909.496	1
49247_9247	49247	9247	-99.135	-4.476	1.1475	4.068	2.574	469.992	1
49247_9248	49247	9248	82.5285	-34.9575	-0.117	5.283	-21.795	1909.422	1
49248_9248	49248	9248	-104.634	-5.607	1.851	1.974	12.3795	514.2	1
49248_9249	49248	9249	86.088	-30.8955	1.266	-1.6755	-6.8085	1884.128	1
49249_9249	49249	9249	-113.625	-7.0845	2.1525	3.6465	29.0895	573.825	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49249_9250	49249	9250	91.3095	-24.8385	1.092	3.5955	8.916	1823.61	1
49250_9250	49250	9250	-118.776	-9.012	3.7395	1.3515	50.0625	651.9375	1
49250_9251	49250	9251	96.9795	-21.3945	6.03	-1.422	74.5545	1748.844	1
49251_9251	49251	9251	-124.677	-12.8685	3.9195	3.6045	81.906	758.79	1
49251_9252	49251	9252	102.8655	-16.398	5.757	3.525	137.154	1638.381	1
49252_9252	49252	9252	-115.76	-20.961	-3.381	-12.8775	91.8	914.7375	1
49252_9253	49252	9253	104.9715	-19.92	-5.265	-24.4845	122.178	1611.081	1
49253_9253	49253	9253	-111.876	-22.65	-2.895	-9.8265	73.668	986.6415	1
49253_9254	49253	9254	110.427	-15.234	-5.6475	-20.7525	71.514	1521.392	1
49254_9254	49254	9254	-10.257	25.0215	-8.802	23.25	57.2205	2388.362	1
49254_9255	49254	9255	-23.994	-42.972	-12.39	25.3845	-109.637	1284.518	1
49255_9255	49255	9255	-11.502	17.547	4.986	-1.8075	-44.9775	2090.301	1
49255_9256	49255	9256	-27.6465	-47.745	7.1055	-2.328	-32.0715	1603.223	1
49256_9256	49256	9256	-11.8455	17.304	5.031	4.7415	7.797	1903.122	1
49256_9257	49256	9257	-30.681	-42.3195	7.155	5.13	47.5695	1882.586	1
49257_9257	49257	9257	-12.102	16.3125	0.0315	-2.3865	63.456	1712.741	1
49257_9258	49257	9258	-32.0325	-44.3835	-0.969	-3.429	43.734	2006.445	1
49258_9258	49258	9258	-12.36	16.1175	0.0525	-0.696	63.4935	1629.237	1
49258_9259	49258	9259	-35.199	-39.4755	-0.987	0.342	34.1775	2228.684	1
49259_9259	49259	9259	-12.573	15.951	0.087	2.331	63.963	1466.382	1
49259_9260	49259	9260	-37.2375	-36.132	-0.909	6.3315	27.8685	2362.184	1
49260_9260	49260	9260	-12.699	15.2175	-0.5925	-5.898	64.5915	1359.095	1
49260_9261	49260	9261	-38.154	-36.8025	0.2925	-9.813	29.019	2427.75	1
49261_9261	49261	9261	-12.762	15.168	-0.552	-2.0415	62.691	1312.182	1
49261_9262	49261	9262	-42.174	-30.0855	0.39	-1.5915	34.6575	2624.889	1
49262_9262	49262	9262	-12.7635	15.168	-0.5115	1.5495	56.3625	1138.346	1
49262_9263	49262	9263	-51.585	-49.188	0.4755	9.192	44.691	2743.437	1
49263_9263	49263	9263	-12.6195	14.5605	-0.276	-2.3565	51.4395	988.713	1
49263_9264	49263	9264	-53.583	-44.469	0.099	-1.0845	48.495	2847.386	1
49264_9264	49264	9264	-12.621	14.5605	-0.2535	-0.879	48.1995	817.71	1
49264_9265	49264	9265	-54.7005	-36.696	0.069	4.746	50.2665	2851.716	1
49265_9265	49265	9265	-31.0575	-15.8415	0.027	-0.2415	40.0965	778.6815	1
49265_9266	49265	9266	-54.7365	-32.385	-0.1275	-3.042	49.0575	2816.688	1
49266_9266	49266	9266	-31.0575	-15.8415	0.081	1.4025	40.422	965.085	1
49266_9267	49266	9267	-53.6955	-25.1895	-0.1215	2.46	46.935	2698.779	1
49267_9267	49267	9267	-31.0695	-16.5195	-0.2145	-1.941	41.3325	1144.217	1
49267_9268	49267	9268	-52.626	-24.183	-1.1535	-5.5575	38.7615	2617.26	1
49268_9268	49268	9268	-31.0695	-16.5195	-0.198	-1.2345	39.894	1254.699	1
49268_9269	49268	9269	-51.12	-20.1735	-1.0605	-3.462	31.623	2509.71	1
49269_9269	49269	9269	-30.9135	-16.809	-0.1485	0.5655	38.571	1367.09	1
49269_9270	49269	9270	-48.138	-15.261	-0.8685	0.762	23.9385	2328.629	1
49270_9270	49270	9270	-30.627	-17.97	-0.465	-4.5585	37.0275	1529.412	1
49270_9271	49270	9271	-44.2485	-12.5535	-1.509	-6.2775	11.481	2112.47	1
49271_9271	49271	9271	-30.765	-18.5565	-0.4335	-2.2365	31.4505	1723.037	1
49271_9272	49271	9272	-40.812	-9.1335	-1.251	-2.391	5.9025	1918.983	1
49272_9272	49272	9272	-30.54	-18.9255	-0.3585	1.836	28.134	1874.336	1
49272_9273	49272	9273	-38.5395	-7.101	-1.0335	2.1405	4.3485	1778.084	1
49273_9273	49273	9273	-30.171	-19.566	1.4685	-6.9705	25.704	1972.233	1
49273_9274	49273	9274	-33.0465	-2.343	0.6075	-4.668	20.229	1423.185	1
49274_9274	49274	9274	-29.6655	-20.313	1.587	0.162	43.8315	2205.522	1
49274_9275	49274	9275	-26.913	2.6985	-0.153	0.8145	15.3975	968.3625	1
49275_9275	49275	9275	-105.972	27.8355	-2.643	-3.717	98.469	1242.455	1
49275_9276	49275	9276	101.2785	-39.891	-4.8255	-0.285	155.079	1577.285	1
49276_9276	49276	9276	-113.549	24.5445	-2.994	-2.0205	100.587	1116.671	1
49276_9277	49276	9277	98.2935	-37.443	-4.755	1.827	126.7545	1628.001	1
49277_9277	49277	9277	-122.03	21.366	-3.252	0.348	99.258	1000.244	1
49277_9278	49277	9278	92.7225	-32.292	-4.4955	5.463	73.395	1708.746	1
49278_9278	49278	9278	-138.041	15.501	-2.244	-5.298	84.561	830.559	1
49278_9279	49278	9279	86.4	-28.8	-1.287	-5.202	47.8665	1780.427	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49279_9279	49279	9279	-138.561	9.6135	-1.704	-1.8285	64.725	693.654	1
49279_9280	49279	9280	81.213	-21.498	-1.311	3.3375	23.1195	1805.177	1
49280_9280	49280	9280	-132.056	7.449	-0.6105	-4.719	44.985	593.1705	1
49280_9281	49280	9281	78.3795	-18.711	0.7395	-5.6775	25.734	1835.898	1
49281_9281	49281	9281	-123.17	5.787	-0.0465	-2.361	37.53	515.979	1
49281_9282	49281	9282	77.814	-10.449	0.6015	2.832	28.218	1793.508	1
49282_9282	49282	9282	-117.839	5.7075	-2.2215	-3.267	36.5595	490.977	1
49282_9283	49282	9283	90.0465	-30.885	0.207	-2.8335	13.275	1715.214	1
49283_9283	49283	9283	-107.024	-7.833	2.145	3.3795	-9.969	518.793	1
49283_9284	49283	9284	97.974	-24.3735	0.147	5.2545	12.771	1646.444	1
49284_9284	49284	9284	-115.107	-12.015	6.8025	0.558	13.62	623.7405	1
49284_9285	49284	9285	106.146	-23.5605	5.6775	-1.9335	72.1275	1604.457	1
49285_9285	49285	9285	-116.873	-16.4955	6.9225	3.1155	78.7305	765.9375	1
49285_9286	49285	9286	113.7465	-18.7335	5.8875	3.1485	134.403	1536.543	1
49286_9286	49286	9286	-105.282	-25.1715	-4.5075	-3.3405	117.264	953.001	1
49286_9287	49286	9287	117.057	-21.3795	-5.8995	-8.838	115.545	1518.236	1
49287_9287	49287	9287	-101.306	-26.847	-4.224	-3.5475	91.9155	1063.889	1
49287_9288	49287	9288	124.515	-17.187	-6.1755	-9.147	64.803	1469.414	1
49288_9288	49288	9288	0.63	23.1105	-8.769	13.686	42.99	2402.618	1
49288_9289	49288	9289	-9.6225	-46.038	-10.449	14.856	-88.47	1273.916	1
49289_9289	49289	9289	-0.2115	13.986	5.355	-1.8555	-49.356	2155.806	1
49289_9290	49289	9290	-9.051	-50.655	5.9025	-2.0145	-15.672	1719.17	1
49290_9290	49290	9290	-0.576	13.974	5.358	2.808	14.067	1989.467	1
49290_9291	49290	9291	-10.788	-74.2425	5.3505	4.4775	54.4605	2144.804	1
49291_9291	49291	9291	-1.0395	12.123	-1.224	-4.221	76.383	1827.722	1
49291_9292	49291	9292	-9.9765	-77.085	-0.3525	-4.1445	53.241	2304.6	1
49292_9292	49292	9292	-1.2255	12.105	-1.221	-0.405	71.1795	1777.194	1
49292_9293	49292	9293	-9.141	-72.8625	-0.216	1.422	51.9615	2600.267	1
49293_9293	49293	9293	-1.1865	12.0615	-1.2345	2.34	61.98	1680.339	1
49293_9294	49293	9294	-8.682	-68.532	-0.1215	6.141	52.1535	2873.895	1
49294_9294	49294	9294	-1.17	10.404	-0.483	-5.865	52.125	1584.269	1
49294_9295	49294	9295	-8.8515	-72.6105	-1.356	-8.949	47.8215	3021.92	1
49295_9295	49295	9295	-1.1715	10.404	-0.4785	-0.8055	50.19	1542.896	1
49295_9296	49295	9296	-9.195	-66.7965	-1.401	1.197	35.5095	3371.168	1
49296_9296	49296	9296	-1.173	10.404	-0.4755	2.5455	45.3135	1436.913	1
49296_9297	49296	9297	-9.426	-62.013	-1.4265	8.979	24.501	3609.452	1
49297_9297	49297	9297	-1.17	9.507	-0.303	-2.7675	41.3805	1351.161	1
49297_9298	49297	9298	-9.66	-60.1635	-0.324	-4.419	22.3485	3921.27	1
49298_9298	49298	9298	-1.1715	9.507	-0.2985	1.458	37.9035	1241.901	1
49298_9299	49298	9299	-9.831	-53.835	-0.4125	8.8815	18.39	4126.406	1
49299_9299	49299	9299	-1.173	8.7795	-0.369	-2.8515	34.716	1140.542	1
49299_9300	49299	9300	-9.9195	-53.0385	-0.336	-6.627	14.9115	4310.303	1
49300_9300	49300	9300	-1.1745	8.7795	-0.366	0.5265	30.723	1045.724	1
49300_9301	49300	9301	-9.9045	-45.273	-0.4005	7.2615	9.4965	4408.044	1
49301_9301	49301	9301	-1.1775	8.256	-0.4215	-2.883	26.037	933.4215	1
49301_9302	49301	9302	-9.93	-16.836	-0.3465	-10.4475	6.7575	4489.686	1
49302_9302	49302	9302	-1.179	8.256	-0.4155	0.3765	21.048	835.539	1
49302_9303	49302	9303	-9.9105	-9.633	-0.3795	7.4985	0.7245	4475.07	1
49303_9303	49303	9303	-1.137	7.9095	-0.396	-2.4015	16.1745	738.6195	1
49303_9304	49303	9304	-9.7365	-7.692	-0.288	-9.915	-3.9105	4400.355	1
49304_9304	49304	9304	-1.1385	7.9095	-0.3915	-0.258	11.205	639.2655	1
49304_9305	49304	9305	-9.4335	-0.552	-0.3075	5.1375	-8.4	4211.256	1
49305_9305	49305	9305	-0.972	7.8105	-0.174	-2.5305	6.8715	552.0645	1
49305_9306	49305	9306	-8.9565	1.7325	-0.021	-13.0845	-8.9055	3955.458	1
49306_9306	49306	9306	-0.9735	7.8105	-0.1695	-0.6345	4.95	465.7665	1
49306_9307	49306	9307	-8.1855	10.4595	-0.0585	3.2475	-10.0755	3500.249	1
49307_9307	49307	9307	-0.933	7.9215	0.5625	-1.908	2.8095	367.8075	1
49307_9308	49307	9308	-7.7505	24.3465	0.5085	-9.4185	-3.7215	2947.656	1
49308_9308	49308	9308	-0.6585	7.8975	0.5745	-1.1925	9.534	273.8295	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49308_9309	49308	9309	-6.63	33.117	0.381	-1.209	-0.5055	2258.654	1
49309_9309	49309	9309	-0.5055	7.9545	1.377	-1.4565	16.2885	181.4505	1
49309_9310	49309	9310	-5.1555	40.3275	0.8925	-7.2825	8.52	1384.794	1
49310_9310	49310	9310	0.66	7.647	1.4745	-1.1415	33.936	87.8085	1
49310_9311	49310	9311	-3.3525	50.0205	0.642	-1.9155	12.3015	319.4295	1
49311_9311	49311	9311	6.4305	-8.382	8.3895	-5.9955	-27.8325	29.1975	1
49311_9312	49311	9312	2.2125	-8.133	12.6225	-3.8265	0	38.625	1

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95
	Max.	1.31	1.58	1.84	1.84	1.05			0.00	
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	

Fatigue I	Max/Min	1.5								
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VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
1	2	3	4	5	6	7	8	9	13
1000_1000	1000	1000	-2.4435	-2.298	0.3015	-0.282	0	-8.82	1
1000_1001	1000	1001	-0.8025	2.3715	-0.2835	0.2505	-4.8165	-17.1045	1
1001_1001	1001	1001	-0.4245	0.3525	-0.003	0.0165	-0.045	-3.6495	1
1001_1002	1001	1002	-2.8275	2.373	-0.2835	0.2595	-7.902	-33.486	1
9000_9000	9000	9000	-2.1075	-8.2155	0.957	0.2865	0	-8.6745	1
9000_9001	9000	9001	-4.1895	8.574	-1.218	-0.33	-10.1145	-38.577	1
9001_9001	9001	9001	-58.4325	41.268	-0.183	-1.185	-1.5135	-481.976	1
9001_9002	9001	9002	-10.14	8.6565	-1.194	-0.339	-20.52	-87.432	1
9002_9002	9002	9002	-112.932	35.3865	0.258	-0.8595	-4.6455	-925.52	1
9002_9003	9002	9003	-17.9385	8.2995	0.5595	-0.312	-13.2225	-151.148	1
9003_9003	9003	9003	-173.583	26.151	0.336	-1.695	-2.8395	-1419.08	1
9003_9004	9003	9004	-25.8375	8.2995	0.5595	-0.375	-6.4605	-214.982	1
9004_9004	9004	9004	-219.674	13.0935	0.0195	-0.5355	1.0245	-1792.74	1
9004_9005	9004	9005	-33.957	8.571	-0.003	-0.3015	-6.474	-280.835	1
9005_9005	9005	9005	-257.952	4.7055	0.054	-1.587	0.678	-2104.38	1
9005_9006	9005	9006	-42.117	8.571	-0.003	-0.417	-6.513	-346.736	1
9006_9006	9006	9006	-283.452	1.797	-0.078	-0.369	0.8745	-2312.17	1
9006_9007	9006	9007	-50.2425	8.5365	-0.111	-0.2835	-7.8615	-412.365	1
9007_9007	9007	9007	-302.225	-5.8815	-0.054	-1.023	-0.741	-2465.04	1
9007_9008	9007	9008	-58.368	8.5365	-0.111	-0.3645	-9.2115	-477.986	1
9008_9008	9008	9008	-310.266	-7.305	-0.0975	-0.2625	-2.031	-2530.73	1
9008_9009	9008	9009	-66.654	8.7015	-0.117	-0.2775	-10.6335	-544.91	1
9009_9009	9009	9009	-314.306	-14.5485	-0.0735	-0.381	-3.993	-2563.67	1
9009_9010	9009	9010	-74.934	8.7015	-0.117	-0.264	-12.0555	-611.781	1
9010_9010	9010	9010	-309.131	-15.7035	-0.1335	0.6045	-5.553	-2521.79	1
9010_9011	9010	9011	-83.4765	8.973	-0.1215	-0.0675	-13.5315	-680.777	1
9011_9011	9011	9011	-304.107	-47.7345	-0.147	-0.171	-6.6735	-2481.28	1
9011_9012	9011	9012	-92.019	8.973	-0.123	-0.33	-15.0135	-749.757	1
9012_9012	9012	9012	-291.005	-49.251	-0.2415	1.1655	-8.6325	-2375.35	1
9012_9013	9012	9013	-100.902	9.3345	-0.108	0.0525	-16.323	-821.51	1
9013_9013	9013	9013	-275.006	-56.1975	-0.2085	0.165	-11.6865	-2245.68	1
9013_9014	9013	9014	-109.785	9.3345	-0.1095	-0.2655	-17.637	-893.247	1
9014_9014	9014	9014	-251.258	-59.838	0.0585	1.107	-13.905	-2053.13	1
9014_9015	9014	9015	-121.703	9.774	-0.0825	0.075	-18.795	-989.793	1
9015_9015	9015	9015	-236.453	-67.2525	0.0435	0.171	-8.535	-1798.8	1
9015_9016	9015	9016	-137.111	9.4005	-0.0555	-0.039	-13.0935	-1063.44	1
9016_9016	9016	9016	-205.631	-69.291	0.2895	0.6735	-8.0025	-1619.55	1
9016_9017	9016	9017	-134.015	9.312	0.018	0.255	-12.8685	-1156.28	1
9017_9017	9017	9017	-152.043	-75.876	0.282	0.3915	-4.6605	-1377.25	1
9017_9018	9017	9018	-119.687	9.1545	0.018	0.174	-12.6525	-1282.73	1
9018_9018	9018	9018	-95.715	-53.0925	-0.327	0.42	-3.279	-1080.45	1
9018_9019	9018	9019	-103.616	9.4215	-0.1125	0.486	-13.8765	-1408.08	1
9019_9019	9019	9019	-50.961	-58.071	-0.1965	0.3135	-6.738	-784.139	1
9019_9020	9019	9020	-87.4125	9.624	-0.1125	0.4635	-15.324	-1541.2	1
9020_9020	9020	9020	-174.513	-6.2325	1.038	0.2355	-35.0055	-710.414	1
9020_9021	9020	9021	-22.845	-24.2385	0.2685	0.3495	-11.5455	-567.849	1
9021_9021	9021	9021	-180.251	-10.0725	0.8175	-0.168	-18.4335	-786.938	1
9021_9022	9021	9022	-5.832	-18.6375	0.306	0.069	-9.9165	-434.61	1
9022_9022	9022	9022	-183.909	-13.74	0.783	-0.129	-11.169	-850.979	1
9022_9023	9022	9023	17.1315	-6.3045	0.501	0.0555	-11.358	-382.788	1
9023_9023	9023	9023	-186.315	-16.494	0.123	0.1185	-4.338	-906.798	1
9023_9024	9023	9024	18.351	-3.966	0.297	0.1515	-9.426	-357.131	1
9024_9024	9024	9024	-188.213	-20.907	0.108	0.075	-2.748	-957.002	1
9024_9025	9024	9025	19.4415	-3.399	0.2955	0.147	-7.1325	-338.463	1
9025_9025	9025	9025	-188.462	-25.746	0.102	-0.0945	-1.395	-992.051	1
9025_9026	9025	9026	17.9655	-2.556	0.276	0.0975	-5.001	-323.294	1
9026_9026	9026	9026	-187.716	-28.0485	0.024	0.2625	-0.2745	-1013.92	1
9026_9027	9026	9027	19.1805	-2.2335	0.2385	0.2025	-3.567	-314.759	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9027_9027	9027	9027	-187.257	-32.0295	0.03	0.0585	0.0285	-1027.41	1
9027_9028	9027	9028	18.333	-1.935	0.219	0.1395	-2.2965	-307.1	1
9028_9028	9028	9028	-185.933	-36.2445	0.0225	0.0435	0.327	-1031.03	1
9028_9029	9028	9029	18.555	-1.833	0.2205	0.144	-0.9945	-299.825	1
9029_9029	9029	9029	-181.707	-19.0035	-0.0195	-0.144	0.576	-1018.86	1
9029_9030	9029	9030	17.793	-1.6365	0.2175	0.135	0.2655	-293.427	1
9030_9030	9030	9030	-180.245	-19.9455	-0.0735	0.0975	0.42	-1002.2	1
9030_9031	9030	9031	18.618	-1.134	0.27	0.2145	2.4195	-287.66	1
9031_9031	9031	9031	-178.532	-25.2435	-0.093	0.0495	-0.4485	-976.875	1
9031_9032	9031	9032	53.124	5.6865	-0.27	-0.1425	-5.4945	-288.932	1
9032_9032	9032	9032	-175.716	-30.102	-0.1005	-0.1275	-1.629	-937.737	1
9032_9033	9032	9033	46.455	9.75	-0.276	-0.201	-7.3485	-324.869	1
9033_9033	9033	9033	-171.266	-33.234	-0.7545	0.2295	-2.997	-883.238	1
9033_9034	9033	9034	11.253	20.67	-0.288	-0.102	-7.47	-399.632	1
9034_9034	9034	9034	-166.235	-37.3455	-0.789	0.186	-9.711	-822.441	1
9034_9035	9034	9035	-16.032	26.5125	-0.162	-0.138	-6.6915	-514.103	1
9035_9035	9035	9035	-157.47	-41.2215	-1.032	-0.2055	-21.8955	-765.498	1
9035_9036	9035	9036	-46.446	34.9425	-0.0165	-0.426	-3.7695	-735.626	1
9036_9036	9036	9036	-34.554	-9.5445	0.048	0.2145	-1.158	-454.982	1
9036_9037	9036	9037	-66.7545	-15.1155	0.0945	-0.2925	-8.331	-1290.69	1
9037_9037	9037	9037	-29.9745	2.484	0.1575	-0.3885	-4.608	-710.694	1
9037_9038	9037	9038	-77.9895	-13.9185	0.0795	-0.564	-7.314	-1132.09	1
9038_9038	9038	9038	-63.336	-1.539	-0.1605	-0.084	-1.449	-955.763	1
9038_9039	9038	9039	-85.5735	-12.69	-0.033	-0.159	-7.785	-986.463	1
9039_9039	9039	9039	-106.797	-6.609	-0.216	-0.3735	-3.009	-1167.29	1
9039_9040	9039	9040	-85.8435	-11.9685	-0.042	-0.2295	-8.2695	-869.688	1
9040_9040	9040	9040	-140.589	-9.159	-0.147	-0.1845	-5.4105	-1331.59	1
9040_9041	9040	9041	-80.316	-11.22	-0.027	-0.087	-8.499	-805.209	1
9041_9041	9041	9041	-181.197	-14.0385	-0.0765	-0.123	-3.204	-1339.1	1
9041_9042	9041	9042	-76.845	-10.9935	-0.012	-0.0075	-4.257	-641.045	1
9042_9042	9042	9042	-205.307	-16.7655	0.0165	0.0405	-4.563	-1504.69	1
9042_9043	9042	9043	-64.8735	-10.4115	0.027	0.0525	-3.9345	-565.209	1
9043_9043	9043	9043	-223.499	0.5535	0.012	-0.2955	-4.6005	-1623.83	1
9043_9044	9043	9044	-52.911	-10.4115	0.0255	0.0135	-3.636	-489.444	1
9044_9044	9044	9044	-236.778	-1.1865	0.0045	0.006	-4.464	-1702.86	1
9044_9045	9044	9045	-41.349	-10.059	0.0195	0.081	-3.4035	-416.201	1
9045_9045	9045	9045	-248.277	-8.6865	0.0015	-0.2115	-4.4175	-1768.66	1
9045_9046	9045	9046	-51.273	10.2915	-0.027	-0.096	-3.4755	-365.141	1
9046_9046	9046	9046	-250.977	-10.2705	-0.0075	0.117	-4.374	-1777.22	1
9046_9047	9046	9047	-63.288	10.4535	-0.03	-0.0465	-3.825	-441.242	1
9047_9047	9047	9047	-249.483	-41.112	-0.006	0.06	-4.4445	-1776.12	1
9047_9048	9047	9048	-75.3015	10.4535	-0.03	-0.0795	-4.1805	-517.338	1
9048_9048	9048	9048	-241.707	-42.9495	-0.0225	0.357	-4.539	-1718.32	1
9048_9049	9048	9049	-87.6285	10.728	-0.0345	-0.0075	-4.596	-595.419	1
9049_9049	9049	9049	-231.954	-50.343	-0.024	0.165	-4.824	-1646.8	1
9049_9050	9049	9050	-99.954	10.728	-0.036	-0.0525	-5.0175	-673.496	1
9050_9050	9050	9050	-219.101	-28.728	0.0825	0.258	-4.926	-1528.76	1
9050_9051	9050	9051	-116.294	11.157	-0.0075	0.0285	-5.124	-776.996	1
9051_9051	9051	9051	-186.299	-37.4865	0.0795	0.108	-4.1325	-1415.85	1
9051_9052	9051	9052	-116.207	10.992	-0.0075	0.0135	-5.8875	-866.18	1
9052_9052	9052	9052	-166.23	-39	0.129	0.3495	-3.4515	-1304.9	1
9052_9053	9052	9053	-116.84	11.0115	-0.0015	0.102	-5.898	-966.617	1
9053_9053	9053	9053	-115.23	-44.826	0.1515	0.4965	-2.931	-1221.03	1
9053_9054	9053	9054	-97.221	11.3745	-0.0015	0.381	-8.0385	-1159.8	1
9054_9054	9054	9054	-72.3945	-49.965	-0.2595	0.4905	-1.7775	-993.827	1
9054_9055	9054	9055	-85.5285	11.82	-0.096	0.462	-9.252	-1299.41	1
9055_9055	9055	9055	-37.1205	-55.4265	-0.168	0.411	-4.6815	-741.116	1
9055_9056	9055	9056	-72.69	12.2985	-0.0975	0.6135	-10.3935	-1449.07	1
9056_9056	9056	9056	-166.104	-6.654	0.72	0.321	-23.1795	-739.664	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9056_9057	9056	9057	-4.3215	-21.0225	0.24	0.5085	-9.084	-528.84	1
9057_9057	9057	9057	-173.841	-10.746	0.6495	-0.1095	-13.7385	-848.819	1
9057_9058	9057	9058	22.9755	-9.966	0.3645	0.228	-10.3635	-439.382	1
9058_9058	9058	9058	-179.63	-14.586	0.642	-0.435	-8.0055	-928.733	1
9058_9059	9058	9059	26.367	-5.547	0.369	0.087	-8.58	-402.087	1
9059_9059	9059	9059	-183.804	-17.3355	0.072	0.357	-2.481	-996.896	1
9059_9060	9059	9060	25.8945	-3.9465	0.237	0.399	-6.8595	-377.189	1
9060_9060	9060	9060	-187.197	-21.8175	0.072	0.0045	-1.4715	-1056.98	1
9060_9061	9060	9061	25.539	-3.3195	0.2205	0.291	-5.148	-357.617	1
9061_9061	9061	9061	-188.834	-26.694	0.063	-0.099	-0.5475	-1099.7	1
9061_9062	9061	9062	24.6495	-2.823	0.2175	0.2805	-3.4575	-341.216	1
9062_9062	9062	9062	-189.216	-28.776	0.015	0.261	0.1635	-1126.3	1
9062_9063	9062	9063	24.0345	-2.232	0.1665	0.3705	-2.496	-331.718	1
9063_9063	9063	9063	-189.624	-32.7405	0.0015	0.5865	0.3495	-1143.6	1
9063_9064	9063	9064	21.381	1.7745	-0.15	-0.2565	-0.513	-334.251	1
9064_9064	9064	9064	-187.818	-14.9085	-0.0045	-0.5175	0.531	-1149.25	1
9064_9065	9064	9065	23.7555	2.076	-0.1785	-0.483	-1.518	-341.84	1
9065_9065	9065	9065	-187.641	-19.0395	-0.018	-0.2205	0.4665	-1142.34	1
9065_9066	9065	9066	25.2075	2.355	-0.1665	-0.387	-2.466	-350.166	1
9066_9066	9066	9066	-186.501	-19.7955	-0.054	0.288	0.3015	-1123.84	1
9066_9067	9066	9067	27.384	3.309	-0.2115	-0.2685	-4.0695	-365.439	1
9067_9067	9067	9067	-185.186	-25.0485	-0.0585	-0.075	-0.369	-1095.72	1
9067_9068	9067	9068	28.1295	3.8835	-0.225	-0.366	-5.7945	-384.092	1
9068_9068	9068	9068	-182.774	-29.901	-0.0675	-0.174	-1.1835	-1052.21	1
9068_9069	9068	9069	29.559	5.16	-0.225	-0.381	-7.416	-408.23	1
9069_9069	9069	9069	-178.725	-32.7975	-0.6195	0.3705	-2.1555	-991.596	1
9069_9070	9069	9070	27.927	9.807	-0.3825	-0.1935	-9.5445	-446.127	1
9070_9070	9070	9070	-174.143	-36.966	-0.6465	0.2565	-7.6515	-924.53	1
9070_9071	9070	9071	-1.7025	21.7455	-0.201	-0.3045	-7.305	-536.03	1
9071_9071	9071	9071	-167.807	-40.7895	-0.75	-0.192	-15.504	-844.637	1
9071_9072	9071	9072	-35.133	31.407	-0.063	-0.5775	-4.4715	-713.559	1
9072_9072	9072	9072	-9.783	7.215	0.0915	-0.219	-5.2755	-443.522	1
9072_9073	9072	9073	-81.507	-12.0885	0.099	-0.4815	-8.304	-1327.25	1
9073_9073	9073	9073	-35.3385	2.9475	0.1725	-0.4365	-4.524	-747.23	1
9073_9074	9073	9074	-94.329	-11.4045	0.096	-0.588	-7.1835	-1188.2	1
9074_9074	9074	9074	-69.6735	-1.0635	-0.129	-0.108	-1.464	-1009.83	1
9074_9075	9074	9075	-103.434	-10.8195	-0.0195	-0.183	-7.452	-1056.63	1
9075_9075	9075	9075	-127.521	-6.0855	-0.132	-0.3825	-2.0685	-1175.92	1
9075_9076	9075	9076	-115.589	-10.425	-0.0165	-0.234	-5.664	-897.396	1
9076_9076	9076	9076	-166.496	-8.7195	-0.0705	-0.087	-3.6225	-1350.54	1
9076_9077	9076	9077	-110.949	-10.2525	-0.0105	-0.0465	-5.805	-839.13	1
9077_9077	9077	9077	-171.654	12.3405	-0.132	-0.6285	-6.1965	-1503.41	1
9077_9078	9077	9078	-90.1365	-10.491	-0.0165	-0.0405	-8.373	-759.663	1
9078_9078	9078	9078	-198.389	8.862	0.0585	-0.2295	-8.1555	-1706.53	1
9078_9079	9078	9079	-80.5455	-10.1355	0.0555	0.0945	-7.7505	-687.728	1
9079_9079	9079	9079	-218.391	2.0715	0.063	-0.7095	-7.5585	-1855.8	1
9079_9080	9079	9080	-70.947	-10.1355	0.054	-0.0255	-7.1445	-615.732	1
9080_9080	9080	9080	-231.804	0.9135	0.018	-0.21	-6.807	-1954.06	1
9080_9081	9080	9081	-61.653	-9.8145	0.045	0.1035	-6.6465	-546.02	1
9081_9081	9081	9081	-243.818	-5.928	0.0225	-0.3705	-6.6105	-2040.69	1
9081_9082	9081	9082	-52.359	-9.8145	0.045	0.1035	-6.1485	-476.309	1
9082_9082	9082	9082	-248.693	-6.675	-0.006	0.1485	-6.303	-2072.89	1
9082_9083	9082	9083	-43.218	-9.588	0.042	0.183	-5.67	-403.068	1
9083_9083	9083	9083	-252.354	-14.0115	-0.0045	-0.3225	-6.3825	-2095.01	1
9083_9084	9083	9084	-58.4205	8.9205	-0.051	-0.1725	-5.958	-469.782	1
9084_9084	9084	9084	-247.824	-39.552	-0.03	0.6555	-6.4095	-2066.19	1
9084_9085	9084	9085	-66.7395	9.1365	-0.054	-0.051	-6.5415	-534.606	1
9085_9085	9085	9085	-243.392	-46.2885	-0.0255	0.195	-6.6825	-2027.95	1
9085_9086	9085	9086	-75.3885	9.1365	-0.054	-0.1395	-7.152	-599.483	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9086_9086	9086	9086	-231.906	-47.532	-0.0735	0.822	-6.8805	-1936.23	1
9086_9087	9086	9087	-84.2565	9.3945	-0.06	0.027	-7.8135	-666.251	1
9087_9087	9087	9087	-219	-54.2715	-0.069	0.4065	-7.6275	-1833.16	1
9087_9088	9087	9088	-93.1515	9.3945	-0.06	-0.078	-8.4855	-732.962	1
9088_9088	9088	9088	-199.611	-56.148	0.1065	0.8265	-8.211	-1680.59	1
9088_9089	9088	9089	-104.124	9.813	-0.021	0.0555	-8.757	-815.259	1
9089_9089	9089	9089	-175.475	-38.7	0.0735	0.2175	-5.6475	-1556.94	1
9089_9090	9089	9090	-106.758	9.6135	-0.018	0.054	-7.9155	-910.191	1
9090_9090	9090	9090	-154.568	-40.0845	0.1725	0.669	-4.926	-1421.84	1
9090_9091	9090	9091	-105.644	9.6225	0.0045	0.231	-7.788	-1002.46	1
9091_9091	9091	9091	-114.605	-45.7755	0.183	0.36	-3.927	-1248.02	1
9091_9092	9091	9092	-94.4085	9.7305	0.0045	0.294	-9.762	-1133.12	1
9092_9092	9092	9092	-69.768	-50.6775	-0.3345	0.531	-2.352	-996.476	1
9092_9093	9092	9093	-82.3425	10.1505	-0.1395	0.621	-11.4495	-1257.46	1
9093_9093	9093	9093	-33.8985	-56.022	-0.2325	0.3015	-6.1455	-726.318	1
9093_9094	9093	9094	-110.381	49.8825	0.486	-1.4595	13.11	-1405.24	1
9094_9094	9094	9094	-165.494	-6.5895	0.8325	0.249	-26.478	-741.206	1
9094_9095	9094	9095	-5.9715	-21.456	0.258	0.435	-10.047	-528.876	1
9095_9095	9095	9095	-168.312	-10.7055	0.9375	-0.1455	-19.5345	-868.673	1
9095_9096	9095	9096	21.5385	-10.347	0.5085	0.216	-14.5635	-445.775	1
9096_9096	9096	9096	-173.433	-14.574	0.9105	-0.2445	-11.2635	-951.345	1
9096_9097	9096	9097	24.387	-5.6835	0.549	0.183	-12.0795	-406.383	1
9097_9097	9097	9097	-177.005	-17.196	0.1005	0.3585	-3.4365	-1021.92	1
9097_9098	9097	9098	23.628	-3.924	0.36	0.4005	-9.531	-381.824	1
9098_9098	9098	9098	-180.009	-21.7155	0.099	0.0135	-2.0355	-1085.64	1
9098_9099	9098	9099	21.522	-2.934	0.342	0.2925	-6.9495	-363.69	1
9099_9099	9099	9099	-181.38	-26.631	0.084	-0.105	-0.7815	-1131.47	1
9099_9100	9099	9100	20.334	-2.442	0.3375	0.279	-4.314	-349.341	1
9100_9100	9100	9100	-181.601	-28.602	0.036	0.3645	0.1575	-1160.69	1
9100_9101	9100	9101	26.9745	1.848	-0.267	-0.36	-0.252	-345.744	1
9101_9101	9101	9101	-181.92	-32.5845	0.0255	0.321	0.4575	-1180.13	1
9101_9102	9101	9102	27.3825	1.9605	-0.2685	-0.36	-1.812	-353.384	1
9102_9102	9102	9102	-179.618	-14.7855	-0.0255	-0.0675	0.564	-1189.53	1
9102_9103	9102	9103	27.6735	2.0715	-0.27	-0.369	-3.3915	-361.871	1
9103_9103	9103	9103	-179.345	-18.9735	-0.021	-0.5385	0.282	-1182.97	1
9103_9104	9103	9104	29.9205	2.424	-0.2955	-0.4995	-5.0685	-371.123	1
9104_9104	9104	9104	-178.211	-19.584	-0.0675	0.312	-0.0255	-1164.7	1
9104_9105	9104	9105	30.342	3.105	-0.3255	-0.2745	-7.599	-387.339	1
9105_9105	9105	9105	-176.886	-24.9105	-0.078	-0.0855	-1.062	-1136.64	1
9105_9106	9105	9106	32.9085	3.96	-0.3495	-0.3885	-10.239	-406.613	1
9106_9106	9106	9106	-174.474	-29.856	-0.0945	-0.18	-2.3385	-1091.91	1
9106_9107	9106	9107	34.4205	5.2635	-0.3495	-0.399	-12.7575	-430.86	1
9107_9107	9107	9107	-170.444	-32.7555	-0.8685	0.333	-3.882	-1028.81	1
9107_9108	9107	9108	33.0975	8.823	-0.528	-0.231	-15.8535	-466.509	1
9108_9108	9108	9108	-165.858	-37.0305	-0.9075	0.2235	-11.772	-958.473	1
9108_9109	9108	9109	4.7025	21.0165	-0.282	-0.336	-11.955	-548.411	1
9109_9109	9109	9109	-163.962	-40.83	-0.8385	-0.105	-18.282	-854.97	1
9109_9110	9109	9110	-31.4415	30.9855	-0.057	-0.486	-5.754	-706.464	1
9110_9110	9110	9110	-28.587	-3.165	0.024	-0.1635	-4.8195	-487.551	1
9110_9111	9110	9111	-77.943	-13.0755	0.147	-0.525	-12.114	-1340.6	1
9111_9111	9111	9111	-33.2775	2.1465	0.2385	-0.399	-6.921	-761.249	1
9111_9112	9111	9112	-89.5455	-12.399	0.1425	-0.5445	-10.2915	-1193.04	1
9112_9112	9112	9112	-65.9145	-1.8825	-0.129	-0.1905	-3.2085	-1016.76	1
9112_9113	9112	9113	-98.1735	-11.625	0.009	-0.2955	-10.281	-1054.21	1
9113_9113	9113	9113	-109.832	-7.2585	-0.1395	-0.5055	-3.732	-1231.82	1
9113_9114	9113	9114	-100.145	-11.313	0.0045	-0.2475	-8.109	-934.533	1
9114_9114	9114	9114	-142.397	-9.966	-0.0495	-0.204	-5.469	-1401.76	1
9114_9115	9114	9115	-94.8765	-11.1675	0.027	-0.0975	-7.887	-868.941	1
9115_9115	9115	9115	-180.045	-14.175	-0.0435	-0.1845	-5.004	-1371.45	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9115_9116	9115	9116	-91.9485	-11.1675	0.0225	-0.0135	-6.261	-690.675	1
9116_9116	9116	9116	-200.168	-17.043	0.042	0.138	-5.7975	-1519.88	1
9116_9117	9116	9117	-80.9355	-10.707	0.051	0.105	-5.6835	-618.374	1
9117_9117	9117	9117	-214.322	0.5805	0.048	-0.543	-5.475	-1634.62	1
9117_9118	9117	9118	-69.9135	-10.707	0.0495	-0.0405	-5.139	-546.009	1
9118_9118	9118	9118	-225.365	-0.546	0.0405	0.0915	-4.8735	-1709.74	1
9118_9119	9118	9119	-59.913	-10.431	0.0465	0.1365	-4.659	-475.488	1
9119_9119	9119	9119	-235.121	-7.5945	0.036	-0.432	-4.3815	-1775.01	1
9119_9120	9119	9120	-49.176	-10.431	0.0435	0.0255	-4.1685	-404.999	1
9120_9120	9120	9120	-237.98	-31.836	0.018	0.4095	-4.005	-1792.31	1
9120_9121	9120	9121	-37.8945	-10.2105	0.045	0.1485	-3.6225	-330.929	1
9121_9121	9121	9121	-239.835	-39.186	0.015	-0.0675	-3.7125	-1805.94	1
9121_9122	9121	9122	-30.003	6.3885	-0.0165	-0.1005	-2.742	-282.774	1
9122_9122	9122	9122	-232.947	-40.5285	0.0105	0.6345	-3.4365	-1760.9	1
9122_9123	9122	9123	-36.7395	6.5445	-0.012	0.0045	-2.883	-327.005	1
9123_9123	9123	9123	-225.15	-47.46	0.003	-0.03	-3.261	-1708.86	1
9123_9124	9123	9124	-43.476	6.5445	-0.0165	-0.1095	-3.0735	-371.232	1
9124_9124	9124	9124	-209.823	-48.543	-0.021	0.624	-3.1635	-1606.5	1
9124_9125	9124	9125	-50.466	6.7965	-0.0165	0.027	-3.258	-417.123	1
9125_9125	9125	9125	-193.454	-55.4475	-0.024	0.1935	-3.36	-1496.12	1
9125_9126	9125	9126	-57.2115	6.807	-0.0195	-0.0705	-3.4395	-463.106	1
9126_9126	9126	9126	-170.24	-57.3765	0.105	0.5835	-3.5325	-1339.39	1
9126_9127	9126	9127	-65.9985	7.122	0.0075	0.0465	-3.339	-520.799	1
9127_9127	9127	9127	-153.522	-40.278	0.0675	0.0375	-1.98	-1180.95	1
9127_9128	9127	9128	-72.051	7.0785	0.0045	-0.009	-2.9565	-567.161	1
9128_9128	9128	9128	-131.369	-40.989	0.1575	0.321	-1.4535	-1059.14	1
9128_9129	9128	9129	-72.4095	7.53	0.0255	0.117	-2.6505	-634.308	1
9129_9129	9129	9129	-82.1985	-46.3845	0.165	0.1875	0.063	-963.888	1
9129_9130	9129	9130	-121.269	39.1065	-0.1335	-0.8115	-2.25	-854.466	1
9130_9130	9130	9130	-43.131	-50.9835	-0.2985	0.33	1.2945	-738.116	1
9130_9131	9130	9131	-135.179	44.79	0.2475	-0.645	0.441	-1237.34	1
9131_9131	9131	9131	-12.786	-56.175	-0.237	0.252	-2.6535	-497.529	1
9131_9132	9131	9132	-143.286	51.4125	0.3105	-1.0035	4.6425	-1700.93	1
9132_9132	9132	9132	-148.025	-2.649	0.6615	0.099	-17.2605	-548.031	1
9132_9133	9132	9133	-17.2605	-28.7655	-0.048	0.315	-1.2735	-454.056	1
9133_9133	9133	9133	-160.605	-6.936	0.597	-0.0285	-9.681	-667.025	1
9133_9134	9133	9134	9.231	-3.2415	-0.228	-0.2085	3.3465	-379.766	1
9134_9134	9134	9134	-169.302	-11.028	0.603	-0.2145	-4.7295	-761.379	1
9134_9135	9134	9135	11.5125	-3.2415	-0.2385	-0.2685	1.497	-363.782	1
9135_9135	9135	9135	-176.195	-14.457	0.006	0.153	0.201	-843.936	1
9135_9136	9135	9136	13.6575	-2.9445	-0.096	-0.156	0.726	-348.794	1
9136_9136	9136	9136	-181.746	-19.2705	0.0075	-0.03	0.405	-915.857	1
9136_9137	9136	9137	17.736	-2.8635	-0.108	-0.213	-0.0705	-334.152	1
9137_9137	9137	9137	-184.988	-24.5265	0.0015	-0.0885	0.5595	-968.786	1
9137_9138	9137	9138	21.3195	-2.793	-0.1095	-0.216	-0.909	-319.865	1
9138_9138	9138	9138	-186.432	-26.904	-0.0135	0.2685	0.5805	-1003.99	1
9138_9139	9138	9139	23.8425	-2.244	-0.0735	-0.096	-1.3305	-311.006	1
9139_9139	9139	9139	-183.173	-10.8165	-0.012	-0.132	0.3345	-1030.35	1
9139_9140	9139	9140	26.265	-2.16	-0.0885	-0.159	-1.839	-302.709	1
9140_9140	9140	9140	-184.53	-15.423	-0.012	-0.171	0.198	-1041.43	1
9140_9141	9140	9141	29.2245	-2.004	-0.0885	-0.162	-2.34	-294.659	1
9141_9141	9141	9141	-183.695	-19.9305	-0.0195	-0.0045	0.054	-1034.49	1
9141_9142	9141	9142	32.2365	-1.8075	-0.0735	-0.1065	-2.748	-287.366	1
9142_9142	9142	9142	-181.517	-20.829	-0.0135	0.0555	-0.1305	-1014.75	1
9142_9143	9142	9143	36.4035	-1.071	-0.1185	-0.1155	-3.615	-280.839	1
9143_9143	9143	9143	-178.508	-26.5575	-0.027	0.138	-0.4275	-983.345	1
9143_9144	9143	9144	-5.208	3.366	0.1065	0.1905	2.193	-291.297	1
9144_9144	9144	9144	-173.661	-31.8345	-0.0255	-0.0675	-0.8775	-933.479	1
9144_9145	9144	9145	-9.7245	3.4545	0.099	0.141	2.8965	-308.615	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9145_9145	9145	9145	-166.494	-35.379	-0.471	0.189	-1.362	-864.147	1
9145_9146	9145	9146	16.5105	17.6055	-0.1125	-0.177	-3.885	-341.168	1
9146_9146	9146	9146	-158.189	-39.9255	-0.495	0.243	-5.4555	-784.848	1
9146_9147	9146	9147	-13.4895	27.8265	0.003	-0.2025	-2.0205	-450.18	1
9147_9147	9147	9147	-145.539	-44.211	-0.528	-0.0285	-10.3785	-704.873	1
9147_9148	9147	9148	-42.8835	36.624	0.087	-0.4605	0.834	-669.308	1
9148_9148	9148	9148	-52.782	-4.98	0.018	0.084	-0.357	-396.527	1
9148_9149	9148	9149	-48.7335	-14.958	0.0795	-0.417	-5.007	-1090.41	1
9149_9149	9149	9149	-13.659	1.4055	0.141	-0.18	-2.8395	-601.376	1
9149_9150	9149	9150	-57.0975	-13.6185	0.078	-0.204	-4.0365	-942.918	1
9150_9150	9150	9150	-41.103	-2.6505	-0.1035	-0.219	-0.1245	-823.203	1
9150_9151	9150	9151	-61.71	-12.465	-0.009	-0.2655	-4.155	-806.804	1
9151_9151	9151	9151	-89.658	-7.4355	-0.108	-0.0945	-0.8025	-944.396	1
9151_9152	9151	9152	-69.753	-11.2815	-0.0045	-0.0105	-3.444	-651.326	1
9152_9152	9152	9152	-119.949	-10.014	-0.048	-0.1035	-1.932	-1077.98	1
9152_9153	9152	9153	-63.3975	-10.74	0.012	-0.039	-3.348	-593.436	1
9153_9153	9153	9153	-146.591	-14.112	-0.0435	-0.0435	-1.965	-1123.91	1
9153_9154	9153	9154	-53.9295	-10.509	0.012	0.0225	-2.688	-481.731	1
9154_9154	9154	9154	-164.121	-17.7135	0.009	0.0585	-2.622	-1250.25	1
9154_9155	9154	9155	-42.801	-10.242	0.0195	0.0435	-2.496	-414.633	1
9155_9155	9155	9155	-177.002	-24.2115	0.0045	-0.072	-2.571	-1340.13	1
9155_9156	9155	9156	-31.404	-10.242	0.0165	0.018	-2.3115	-347.561	1
9156_9156	9156	9156	-184.793	-26.3415	0.009	0.1245	-2.5425	-1395.63	1
9156_9157	9156	9157	-21.1815	-10.1055	0.021	0.0555	-2.0985	-287.394	1
9157_9157	9157	9157	-190.298	-32.646	0.0045	-0.0165	-2.4705	-1433.94	1
9157_9158	9157	9158	-10.9575	-10.1055	0.018	0.036	-1.9125	-227.229	1
9158_9158	9158	9158	-190.221	-34.17	0	0.1875	-2.451	-1436.51	1
9158_9159	9158	9159	-20.5665	8.994	-0.0165	-0.03	-2.085	-262.13	1
9159_9159	9159	9159	-189.074	-40.6845	-0.006	0.0465	-2.4825	-1430.28	1
9159_9160	9159	9160	-29.6655	8.994	-0.0195	-0.048	-2.2785	-315.678	1
9160_9160	9160	9160	-184.779	-19.7715	-0.0015	0.1005	-2.6235	-1388.99	1
9160_9161	9160	9161	-39.8115	9.126	-0.015	-0.0225	-2.442	-375.392	1
9161_9161	9161	9161	-176.684	-26.7765	-0.003	0.0405	-2.652	-1329.94	1
9161_9162	9161	9162	-49.9665	9.126	-0.015	-0.0225	-2.6055	-435.158	1
9162_9162	9162	9162	-163.344	-28.989	0.06	0.108	-2.649	-1235.99	1
9162_9163	9162	9163	-63.039	9.3975	-0.0045	-0.0225	-2.6745	-512.088	1
9163_9163	9163	9163	-136.728	-36.8985	0.0615	0.1965	-2.067	-1144.17	1
9163_9164	9163	9164	-64.863	9.573	-0.003	0.0555	-2.9415	-582.069	1
9164_9164	9164	9164	-119.031	-38.1075	0.12	0.195	-1.641	-1046.08	1
9164_9165	9164	9165	-67.455	10.089	0.012	0.0165	-2.802	-667.32	1
9165_9165	9165	9165	-78.555	-43.2885	0.12	0.3105	-0.621	-953.153	1
9165_9166	9165	9166	-56.976	11.139	0.015	0.189	-2.9175	-818.46	1
9166_9166	9166	9166	-40.71	-48.2835	-0.186	0.2745	0.1245	-759.284	1
9166_9167	9166	9167	-152.096	38.991	0.2265	-0.441	1.6665	-1045.73	1
9167_9167	9167	9167	-10.407	-53.502	-0.12	0.2085	-2.229	-541.848	1
9167_9168	9167	9168	-160.863	46.6365	0.2865	-0.7845	5.448	-1454.91	1
9168_9168	9168	9168	-138.086	-2.6625	0.4635	0.081	-13.4805	-548.258	1
9168_9169	9168	9169	-15.2175	-28.119	0.006	0.3045	-1.6005	-455.447	1
9169_9169	9169	9169	-152.712	-6.936	0.3795	-0.1665	-7.1055	-662.897	1
9169_9170	9169	9170	-14.6115	-3.6285	-0.168	-0.213	2.9835	-322.34	1
9170_9170	9170	9170	-163.373	-10.974	0.3675	-0.1185	-3.8925	-752.817	1
9170_9171	9170	9171	-11.9385	-3.6285	-0.1635	-0.1665	1.7175	-304.905	1
9171_9171	9171	9171	-172.103	-14.292	0.036	0.027	-0.84	-830.969	1
9171_9172	9171	9172	-7.365	-3.1485	-0.0825	-0.1575	1.134	-289.128	1
9172_9172	9172	9172	-179.64	-19.0665	0.027	0.0945	-0.4065	-899.664	1
9172_9173	9172	9173	-4.9725	-3.1485	-0.078	-0.117	0.5145	-273.512	1
9173_9173	9173	9173	-184.743	-24.2715	0.027	-0.0945	-0.081	-949.847	1
9173_9174	9173	9174	1.194	-2.9025	-0.084	-0.1635	-0.087	-258.114	1
9174_9174	9174	9174	-188.027	-26.8755	0.006	0.0975	0.1875	-983.277	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9174_9175	9174	9175	2.6025	-2.4705	-0.063	-0.105	-0.4665	-248.921	1
9175_9175	9175	9175	-190.16	-31.125	-0.0015	0.246	0.2325	-1003.36	1
9175_9176	9175	9176	6.603	-2.232	-0.057	-0.0615	-0.774	-239.978	1
9176_9176	9176	9176	-190.874	-35.5875	0.003	0.027	0.2355	-1011.22	1
9176_9177	9176	9177	18.591	1.62	0.0525	0.0885	-0.351	-241.491	1
9177_9177	9177	9177	-192.579	-19.7445	-0.003	-0.1605	0.186	-1002.72	1
9177_9178	9177	9178	17.667	1.62	0.0525	0.0885	-0.0345	-247.517	1
9178_9178	9178	9178	-191.291	-21.015	-0.0255	0.153	0.1455	-982.739	1
9178_9179	9178	9179	12.4125	2.2485	0.0795	0.162	0.546	-258.254	1
9179_9179	9179	9179	-189.056	-26.625	-0.027	-0.033	-0.1635	-949.121	1
9179_9180	9179	9180	10.617	2.253	0.0735	0.126	1.128	-269.429	1
9180_9180	9180	9180	-185	-31.809	-0.0375	0.039	-0.5265	-899.058	1
9180_9181	9180	9181	8.904	2.253	0.0795	0.1635	1.761	-280.604	1
9181_9181	9181	9181	-178.517	-35.4645	-0.348	0.2055	-1.0035	-830.778	1
9181_9182	9181	9182	-0.672	20.7075	-0.0585	-0.186	-2.1765	-318.311	1
9182_9182	9182	9182	-170.79	-39.891	-0.36	0.147	-4.0035	-753.164	1
9182_9183	9182	9183	-24.627	28.0605	-0.0015	-0.2415	-1.2915	-434.138	1
9183_9183	9183	9183	-160.73	-44.001	-0.432	0.105	-8.2365	-666.827	1
9183_9184	9183	9184	-54.9885	36.9285	0.0765	-0.2895	0.936	-647.108	1
9184_9184	9184	9184	-37.971	-7.2195	0.0165	0.09	-0.6465	-373.497	1
9184_9185	9184	9185	-132.402	-43.5885	-0.231	0.702	1.3515	-1001.4	1
9185_9185	9185	9185	-21.4575	3.477	0.108	-0.189	-2.136	-517.437	1
9185_9186	9185	9186	-67.182	-9.873	0.0555	-0.2175	-2.901	-788.048	1
9186_9186	9186	9186	-53.2485	-0.795	-0.0885	-0.12	0.0585	-749.217	1
9186_9187	9186	9187	-72.3465	-9.3825	-0.0165	-0.159	-3.111	-682.724	1
9187_9187	9187	9187	-101.727	-5.7765	-0.1035	-0.1185	-0.588	-917.673	1
9187_9188	9187	9188	-76.0095	-8.904	-0.0135	-0.0315	-2.961	-576.149	1
9188_9188	9188	9188	-136.988	-8.8635	-0.0525	-0.099	-1.6545	-1072.4	1
9188_9189	9188	9189	-70.8345	-8.754	0.009	-0.033	-2.8905	-528.992	1
9189_9189	9189	9189	-159.762	-13.2285	-0.0525	-0.051	-1.9065	-1199.81	1
9189_9190	9189	9190	-60.39	-8.799	0.009	0.0255	-2.595	-461.969	1
9190_9190	9190	9190	-181.94	-17.2665	-0.0075	-0.0165	-2.697	-1357.21	1
9190_9191	9190	9191	-51.0855	-8.577	0.012	0.0225	-2.4615	-403.467	1
9191_9191	9191	9191	-197.462	-0.765	-0.0135	-0.1695	-2.8575	-1477.99	1
9191_9192	9191	9192	-41.781	-8.577	0.0135	0.0495	-2.316	-344.964	1
9192_9192	9192	9192	-208.415	-3.3945	-0.009	0.0075	-2.988	-1548.4	1
9192_9193	9192	9193	-33.4935	-8.4465	0.0135	0.069	-2.1765	-292.85	1
9193_9193	9193	9193	-216.288	-9.984	-0.015	-0.1875	-3.0795	-1597.35	1
9193_9194	9193	9194	-33.438	9.159	-0.027	-0.084	-2.4	-278.337	1
9194_9194	9194	9194	-217.76	-11.9025	-0.012	0.1065	-3.231	-1604.22	1
9194_9195	9194	9195	-42.5715	9.309	-0.0255	-0.045	-2.6505	-335.775	1
9195_9195	9195	9195	-217.496	-18.372	-0.018	-0.087	-3.3555	-1598.3	1
9195_9196	9195	9196	-51.6975	9.309	-0.0255	-0.0705	-2.9115	-393.155	1
9196_9196	9196	9196	-211.658	-20.2335	-0.0015	0.201	-3.5145	-1555.13	1
9196_9197	9196	9197	-61.6515	9.555	-0.0195	-0.015	-3.102	-458.325	1
9197_9197	9197	9197	-202.776	-27.102	-0.006	0.018	-3.507	-1489.88	1
9197_9198	9197	9198	-72.018	9.555	-0.021	-0.0465	-3.33	-523.508	1
9198_9198	9198	9198	-188.738	-29.751	0.075	0.237	-3.519	-1389.07	1
9198_9199	9198	9199	-85.404	9.9225	-0.0045	0.0135	-3.387	-608.16	1
9199_9199	9199	9199	-163.464	-37.644	0.0675	0.138	-2.718	-1221.49	1
9199_9200	9199	9200	-88.56	9.831	-0.006	0.0135	-3.7005	-648.77	1
9200_9200	9200	9200	-144.344	-39.7335	0.1035	0.342	-2.223	-1121.13	1
9200_9201	9200	9201	-90.5085	9.876	0.015	0.0915	-3.5145	-733.812	1
9201_9201	9201	9201	-96.0435	-45.0795	0.1395	0.432	-1.9185	-1048.08	1
9201_9202	9201	9202	-75.39	10.446	0.0255	0.282	-4.923	-902.391	1
9202_9202	9202	9202	-55.851	-50.148	-0.2505	0.399	-0.975	-838.851	1
9202_9203	9202	9203	-129.641	42.744	0.342	-0.8475	4.4835	-1039.43	1
9203_9203	9203	9203	-23.115	-55.1775	-0.156	0.4545	-3.837	-605.696	1
9203_9204	9203	9204	-140.678	51.06	0.4065	-1.0875	9.855	-1481.88	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9204_9204	9204	9204	-156.411	-5.421	0.6495	0.1485	-20.4555	-638.492	1
9204_9205	9204	9205	-15.0015	-26.706	0.117	0.4245	-5.106	-503.724	1
9205_9205	9205	9205	-167.04	-9.4425	0.5865	-0.189	-12.24	-759.206	1
9205_9206	9205	9206	4.668	-20.5245	0.183	0.1875	-5.3355	-373.565	1
9206_9206	9206	9206	-174.569	-13.2315	0.57	-0.2625	-7.1265	-839.729	1
9206_9207	9206	9207	7.206	-0.8295	-0.33	-0.2715	4.4145	-301.731	1
9207_9207	9207	9207	-180.522	-16.4625	0.0975	0.2445	-2.262	-909.915	1
9207_9208	9207	9208	9.678	-0.3285	-0.171	-0.1845	3.168	-299.903	1
9208_9208	9208	9208	-185.379	-20.9535	0.096	0.0585	-1.14	-970.611	1
9208_9209	9208	9209	10.008	-0.321	-0.18	-0.228	1.7295	-298.226	1
9209_9209	9209	9209	-188.336	-25.848	0.0945	-0.1485	-0.114	-1014.88	1
9209_9210	9209	9210	13.9545	-0.024	-0.195	-0.2835	0.2895	-297.468	1
9210_9210	9210	9210	-189.957	-28.1715	-0.0045	0.441	0.759	-1044.4	1
9210_9211	9210	9211	13.6665	0.531	-0.1245	-0.0825	-0.456	-299.496	1
9211_9211	9211	9211	-189.756	-10.425	-0.012	0.0585	0.768	-1066.73	1
9211_9212	9211	9212	15.9435	0.804	-0.1365	-0.1455	-1.23	-302.369	1
9212_9212	9212	9212	-192.003	-14.7135	-0.006	-0.189	0.6285	-1079.6	1
9212_9213	9212	9213	18.5265	1.1955	-0.15	-0.2115	-2.079	-305.909	1
9213_9213	9213	9213	-192.35	-18.9135	0	-0.4245	0.4995	-1076.48	1
9213_9214	9213	9214	20.694	1.641	-0.165	-0.2775	-3.015	-310.755	1
9214_9214	9214	9214	-191.627	-19.932	-0.096	0.378	0.3945	-1062.72	1
9214_9215	9214	9215	22.107	2.691	-0.1785	-0.048	-4.3785	-322.367	1
9215_9215	9215	9215	-190.626	-25.191	-0.0945	0.03	-0.672	-1040.31	1
9215_9216	9215	9216	24.4995	4.1985	-0.2025	-0.156	-5.823	-338.457	1
9216_9216	9216	9216	-188.282	-30.06	-0.0885	-0.306	-1.83	-1003.61	1
9216_9217	9216	9217	24.009	7.0125	-0.219	-0.273	-7.17	-364.578	1
9217_9217	9217	9217	-184.089	-33.0945	-0.5295	0.534	-3	-951.012	1
9217_9218	9217	9218	6.909	17.0895	-0.165	-0.018	-6.4695	-421.122	1
9218_9218	9218	9218	-179.153	-37.215	-0.519	0.102	-7.728	-891.896	1
9218_9219	9218	9219	-17.8785	24.288	-0.102	-0.279	-5.2155	-525.09	1
9219_9219	9219	9219	-172.062	-41.046	-0.5385	-0.111	-12.7245	-805.725	1
9219_9220	9219	9220	-50.067	34.5	0.0285	-0.4785	-1.3725	-708.83	1
9220_9220	9220	9220	-17.3025	5.3925	0.048	-0.1125	-4.38	-474.348	1
9220_9221	9220	9221	-96.2235	-14.3595	0.042	-0.1965	-7.899	-1263.63	1
9221_9221	9221	9221	-45.4665	0.684	0.102	-0.4095	-4.1955	-756.446	1
9221_9222	9221	9222	-106.056	-14.07	0.039	-0.546	-7.356	-1104.81	1
9222_9222	9222	9222	-81.6825	-4.011	-0.0645	0.1425	-2.37	-992.586	1
9222_9223	9222	9223	-111.588	-13.554	0.0195	0.072	-7.173	-953.438	1
9223_9223	9223	9223	-139.145	-9.6735	-0.0705	-0.4185	-1.914	-1117.62	1
9223_9224	9223	9224	-117.855	-13.494	0.0105	-0.2625	-4.5555	-777.905	1
9224_9224	9224	9224	-175.188	-13.611	-0.027	0.207	-2.706	-1254.53	1
9224_9225	9224	9225	-109.467	-13.482	0.0315	0.135	-4.302	-706.806	1
9225_9225	9225	9225	-181.746	-18.9885	-0.0405	-0.3225	-3.2175	-1430.89	1
9225_9226	9225	9226	-85.0965	-13.842	0.033	-0.0735	-4.215	-623.655	1
9226_9226	9226	9226	-195.725	-0.5175	0.012	0.1995	-3.987	-1567.76	1
9226_9227	9226	9227	-71.5845	-13.3455	0.036	0.189	-3.831	-527.385	1
9227_9227	9227	9227	-205.962	-8.142	0.0045	-0.471	-3.8475	-1643.68	1
9227_9228	9227	9228	-57.8475	-13.3395	0.0345	0.0045	-3.4425	-431.036	1
9228_9228	9228	9228	-208.34	-11.637	0.0135	0.3585	-3.7305	-1661.58	1
9228_9229	9228	9229	-59.5065	12.5085	-0.0075	0	-2.8395	-474.81	1
9229_9229	9229	9229	-207.192	-19.1115	0.0075	-0.3135	-3.528	-1651.64	1
9229_9230	9229	9230	-72.486	12.5085	-0.009	-0.1665	-2.946	-565.088	1
9230_9230	9230	9230	-199.473	-22.581	0.0375	0.5535	-3.33	-1591.92	1
9230_9231	9230	9231	-86.922	13.1385	-0.015	0.1395	-3.1185	-665.498	1
9231_9231	9231	9231	-188.594	-29.835	0.0255	-0.0015	-2.8635	-1505.68	1
9231_9232	9231	9232	-97.6875	13.1385	-0.0165	-0.0645	-3.267	-740.378	1
9232_9232	9232	9232	-174.578	-34.977	0.0225	-0.534	-4.275	-1424.92	1
9232_9233	9232	9233	-99.783	13.0485	-0.0315	-0.297	-5.439	-772.361	1
9233_9233	9233	9233	-168.647	-34.1895	0.2175	0.4965	-4.197	-1388.04	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9233_9234	9233	9234	-105.921	13.65	0.0255	0.2595	-5.0925	-863.534	1
9234_9234	9234	9234	-146.055	-39.4635	0.1875	0.141	-2.4015	-1281.89	1
9234_9235	9234	9235	-107.267	13.377	0.0225	0.1035	-4.9365	-939.201	1
9235_9235	9235	9235	-100.124	-42.834	0.2445	-0.468	-2.127	-1313.99	1
9235_9236	9235	9236	-88.2255	13.9455	0.027	-0.321	-7.47	-1106.68	1
9236_9236	9236	9236	-82.3035	-44.6835	0.3825	0.669	-1.155	-1216.24	1
9236_9237	9236	9237	-83.394	14.436	0.2565	0.723	-4.8705	-1229.71	1
9237_9237	9237	9237	-55.362	-48.9465	0.402	-0.3675	1.782	-1047.25	1
9237_9238	9237	9238	-76.8315	14.6835	0.2475	-0.189	-2.637	-1352.16	1
9238_9238	9238	9238	-33.039	-47.055	-0.8505	1.407	5.346	-864.182	1
9238_9239	9238	9239	-70.6215	17.688	-0.345	1.326	-5.5035	-1491.11	1
9239_9239	9239	9239	-16.716	-50.9565	-0.75	1.089	-1.9275	-694.167	1
9239_9240	9239	9240	-67.9155	17.9025	-0.3495	0.822	-6.9435	-1553.66	1
9240_9240	9240	9240	-184.076	-19.8015	-0.591	-2.823	-18.7875	-960.785	1
9240_9241	9240	9241	-2.829	-26.3085	-0.3045	-0.351	-10.59	-680.657	1
9241_9241	9241	9241	-182.804	-13.7475	0.516	0.993	-21.8595	-974.213	1
9241_9242	9241	9242	4.1685	-23.463	0.4095	0.93	-10.0455	-627.929	1
9242_9242	9242	9242	-184.707	-15.1935	0.501	0.5355	-18.771	-997.215	1
9242_9243	9242	9243	30.177	-13.587	0.45	0.588	-9.882	-460.358	1
9243_9243	9243	9243	-188.438	-21.4545	0.465	-0.1725	-11.9715	-1081.19	1
9243_9244	9243	9244	34.341	-9.591	0.411	0.3	-7.509	-391.538	1
9244_9244	9244	9244	-188.169	-20.6325	0.5235	0.69	-7.821	-1113.96	1
9244_9245	9244	9245	30.678	-5.6265	0.3135	0.552	-4.749	-340.604	1
9245_9245	9245	9245	-191.27	-26.331	0.5925	-0.054	-1.962	-1176.04	1
9245_9246	9245	9246	29.997	-4.782	0.2715	0.339	-2.3325	-307.446	1
9246_9246	9246	9246	-192.393	-30.1005	-0.0585	0.6	3.876	-1209.18	1
9246_9247	9246	9247	34.0755	4.2	-0.12	-0.3225	-0.378	-304.32	1
9247_9247	9247	9247	-193.991	-13.197	0.006	-0.63	3.357	-1236.37	1
9247_9248	9247	9248	34.632	4.803	-0.1695	-0.5475	-1.821	-333.003	1
9248_9248	9248	9248	-195.512	-16.986	-0.174	0.327	3.2055	-1236.11	1
9248_9249	9248	9249	36.5055	6.6465	-0.276	-0.2895	-4.278	-371.549	1
9249_9249	9249	9249	-196.176	-22.8015	-0.1545	-0.378	1.002	-1219.94	1
9249_9250	9249	9250	34.3515	7.857	-0.3165	-0.4935	-7.362	-422.198	1
9250_9250	9250	9250	-195.281	-26.5665	-0.867	0.285	-1.311	-1180.58	1
9250_9251	9250	9251	30.672	12.072	-0.531	-0.225	-12.0465	-491.31	1
9251_9251	9251	9251	-193.85	-31.7145	-0.852	-0.369	-10.965	-1132.35	1
9251_9252	9251	9252	13.251	19.134	-0.432	-0.5385	-13.5015	-592.479	1
9252_9252	9252	9252	-189.957	-31.5435	0.7635	3.1695	-20.172	-1060.5	1
9252_9253	9252	9253	5.4405	21.249	0.456	1.497	-10.8345	-637.526	1
9253_9253	9253	9253	-190.049	-33.09	0.777	2.811	-17.382	-1039.69	1
9253_9254	9253	9254	-22.6515	27.828	0.243	0.5475	-3.678	-796.382	1
9254_9254	9254	9254	-23.766	-5.178	1.659	-3.3015	-4.7055	-674.397	1
9254_9255	9254	9255	-84.8235	-22.512	1.2525	-3.135	6.8205	-1418.51	1
9255_9255	9255	9255	-42.0375	-1.167	-0.9885	0.66	15.174	-871.289	1
9255_9256	9255	9256	-91.833	-15.2415	-0.7095	0.228	-1.1715	-1271.36	1
9256_9256	9256	9256	-67.2735	-5.592	-1.023	-0.474	4.62	-1071	1
9256_9257	9256	9257	-96.8955	-15.09	-0.7155	-0.7575	-8.9745	-1127.2	1
9257_9257	9257	9257	-95.835	-6.8895	0.1335	0.3945	-6.8295	-1238.94	1
9257_9258	9257	9258	-97.7205	-14.3595	-0.0045	0.2175	-9.0525	-1069.47	1
9258_9258	9258	9258	-132.377	-8.3415	0.084	-0.0165	-4.002	-1189.56	1
9258_9259	9258	9259	-113.115	-13.884	-0.0045	-0.018	-5.88	-865.784	1
9259_9259	9259	9259	-162.366	-13.431	0.0825	-0.3375	-3.1305	-1315.86	1
9259_9260	9259	9260	-107.202	-14.3025	-0.0075	-0.1575	-5.9265	-799.631	1
9260_9260	9260	9260	-177.081	-15.1065	-0.027	0.531	-2.571	-1389.84	1
9260_9261	9260	9261	-103.515	-13.9425	0.054	0.318	-5.76	-770.817	1
9261_9261	9261	9261	-190.136	-16.8825	-0.0285	0.1275	-2.016	-1343.74	1
9261_9262	9261	9262	-92.0475	-14.0355	0.039	0.1185	-3.9195	-629.084	1
9262_9262	9262	9262	-204.564	-23.2395	-0.036	-0.3885	-2.4105	-1450.59	1
9262_9263	9262	9263	-79.014	-14.0295	0.036	-0.09	-3.5775	-546.347	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9263_9263	9263	9263	-209.292	-2.337	-0.015	0.129	-3.108	-1516.23	1
9263_9264	9263	9264	-64.038	-13.473	0.0195	0.1365	-3.3525	-451.89	1
9264_9264	9264	9264	-217.178	-9.93	-0.0135	-0.2355	-3.372	-1573.55	1
9264_9265	9264	9265	-49.491	14.2185	-0.006	-0.1095	-2.7885	-430.272	1
9265_9265	9265	9265	-216.912	-13.8	0.0045	0.2415	-3.4965	-1576.15	1
9265_9266	9265	9266	-65.8305	14.6595	-0.0015	0.0135	-2.811	-533.336	1
9266_9266	9266	9266	-213.792	-21.111	0.003	-0.102	-3.4125	-1556.59	1
9266_9267	9266	9267	-81.5085	14.6595	-0.006	-0.081	-2.874	-632.214	1
9267_9267	9267	9267	-204.113	-24.855	0.084	0.36	-3.264	-1491.71	1
9267_9268	9267	9268	-91.2015	15.285	0.015	0.1125	-2.775	-693.384	1
9268_9268	9268	9268	-197.591	-28.701	0.078	0.237	-2.6955	-1446.38	1
9268_9269	9268	9269	-100.941	15.285	0.0135	0.072	-2.682	-754.815	1
9269_9269	9269	9269	-172.886	-32.688	0.093	-0.0045	-2.997	-1511.9	1
9269_9270	9269	9270	-101.772	15.3435	0.0135	-0.0315	-3.519	-924.014	1
9270_9270	9270	9270	-153.228	-35.8185	0.162	0.576	-2.2455	-1407.52	1
9270_9271	9270	9271	-105.23	15.9945	0.0465	0.375	-2.973	-1047.99	1
9271_9271	9271	9271	-102.929	-40.653	0.2085	0.4365	-1.677	-1409.53	1
9271_9272	9271	9272	-86.9475	16.701	0.063	0.348	-4.074	-1257.1	1
9272_9272	9272	9272	-79.494	-44.2965	0.168	-0.27	-0.8985	-1287.04	1
9272_9273	9272	9273	-84.426	16.9605	0.0525	-0.201	-3.8415	-1331.61	1
9273_9273	9273	9273	-64.614	-45.8505	-0.2175	0.795	-0.546	-1200.89	1
9273_9274	9273	9274	-75.849	17.6685	-0.2145	1.0605	-6.297	-1514.3	1
9274_9274	9274	9274	-34.0245	-50.4405	-0.1065	0.0345	-3.012	-977.15	1
9274_9275	9274	9275	-64.629	18.579	-0.2325	0.144	-9.4425	-1728.84	1
9275_9275	9275	9275	-182.903	-12.1305	0.729	0.0735	-27.0435	-1000.16	1
9275_9276	9275	9276	-1.3995	-23.037	0.456	0.4425	-14.6895	-732.647	1
9276_9276	9276	9276	-184.544	-14.3685	0.7215	-0.2055	-22.6485	-1034.86	1
9276_9277	9276	9277	12.0915	-20.0535	0.504	0.216	-14.496	-663.806	1
9277_9277	9277	9277	-186.83	-16.635	0.651	-0.597	-16.8015	-1048.24	1
9277_9278	9277	9278	30.336	-13.935	0.531	-0.1395	-11.208	-531.576	1
9278_9278	9278	9278	-188.534	-18.762	0.2055	0.7005	-9.729	-1094.34	1
9278_9279	9278	9279	40.779	-9.006	0.3045	0.579	-8.58	-444.098	1
9279_9279	9279	9279	-189.533	-24.7335	0.219	-0.2925	-6.345	-1139.91	1
9279_9280	9279	9280	43.926	-7.035	0.2175	0.1875	-5.9625	-379.686	1
9280_9280	9280	9280	-187.985	-27.114	-0.072	0.747	-3.0645	-1156	1
9280_9281	9280	9281	43.716	-5.4225	0.072	0.5355	-4.974	-330.344	1
9281_9281	9281	9281	-188.315	-34.185	-0.0555	-0.207	-3.411	-1175.42	1
9281_9282	9281	9282	42.2115	-4.3155	0.003	0.2535	-4.788	-290.403	1
9282_9282	9282	9282	-170.001	-39.1845	0.2295	0.852	-7.041	-1217.04	1
9282_9283	9282	9283	45.51	7.389	-0.408	-0.171	2.487	-356.975	1
9283_9283	9283	9283	-175.595	-22.938	0.0555	-1.0245	-3.312	-1180.19	1
9283_9284	9283	9284	44.838	10.1175	-0.561	-0.6945	-3.399	-429.11	1
9284_9284	9284	9284	-177.141	-24.51	-1.2405	0.459	-3.1875	-1133.05	1
9284_9285	9284	9285	36.9825	15.561	-1.641	-0.162	-19.6455	-527.025	1
9285_9285	9285	9285	-180.365	-29.8455	-1.338	-0.537	-17.9985	-1103.98	1
9285_9286	9285	9286	16.515	22.0005	-1.4235	-0.657	-29.2605	-655.731	1
9286_9286	9286	9286	-181.598	-30.072	1.4265	1.7445	-33.5385	-1057.27	1
9286_9287	9286	9287	6.873	25.326	1.0395	0.5175	-22.9365	-728.246	1
9287_9287	9287	9287	-182.715	-31.956	1.524	2.0745	-30.189	-1061.49	1
9287_9288	9287	9288	-15.24	30.7515	0.789	0.2595	-10.0005	-944.78	1
9288_9288	9288	9288	-25.0395	-3.465	2.5605	-3.1365	-4.6635	-699.23	1
9288_9289	9288	9289	-78.918	-21.393	2.292	-2.901	13.3455	-1584.36	1
9289_9289	9289	9289	-42.4455	1.2765	-1.5195	0.726	22.647	-937.022	1
9289_9290	9289	9290	-86.07	-12.5625	-1.3995	0.3675	-3.7515	-1442.64	1
9290_9290	9290	9290	-70.2915	-3.6075	-1.5465	-0.5655	4.161	-1246.64	1
9290_9291	9290	9291	-88.9755	-12.7425	-1.3995	-0.7425	-19.9065	-1311.76	1
9291_9291	9291	9291	-98.271	23.4945	0.114	0.84	-14.3055	-1539.84	1
9291_9292	9291	9292	-88.6305	-11.1885	0.3195	0.81	-18.636	-1272.75	1
9292_9292	9292	9292	-128.933	21.1965	0.0585	-0.1665	-9.4515	-1527.78	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9292_9293	9292	9293	-100.1	-11.1915	0.2205	0.0255	-11.0325	-1111.77	1
9293_9293	9293	9293	-149.994	16.818	0.036	-0.7635	-9.2505	-1720.41	1
9293_9294	9293	9294	-94.2405	-11.4165	0.219	-0.2895	-9.2775	-1048	1
9294_9294	9294	9294	-166.263	18.603	0.2325	1.119	-9.282	-1901.67	1
9294_9295	9294	9295	-91.7625	-9.8505	0.0855	0.726	-8.9325	-1020.57	1
9295_9295	9295	9295	-148.46	16.6185	0.363	-0.183	-13.1115	-2149.09	1
9295_9296	9295	9296	-72.8805	-9.9315	0.132	0.1725	-12.423	-1021.07	1
9296_9296	9296	9296	-166.005	11.0685	0.378	-1.9365	-9.735	-2395.55	1
9296_9297	9296	9297	-68.466	-9.9315	0.1305	-0.5445	-11.3445	-959.987	1
9297_9297	9297	9297	-178.113	11.1615	0.0585	1.038	-6.717	-2565.27	1
9297_9298	9297	9298	-62.868	-9.075	0.0825	0.591	-10.392	-882.495	1
9298_9298	9298	9298	-193.896	4.7385	0.0795	-1.9065	-6.1275	-2786.46	1
9298_9299	9298	9299	-57.654	-9.075	0.0825	-0.312	-9.5175	-810.347	1
9299_9299	9299	9299	-204.332	4.14	0.072	1.503	-5.0415	-2932.68	1
9299_9300	9299	9300	-52.791	-8.3805	0.102	0.609	-8.4225	-743.09	1
9300_9300	9300	9300	-213.672	-2.0625	0.084	-1.5585	-4.0875	-3062.91	1
9300_9301	9300	9301	-47.0175	-8.3805	0.1005	-0.1125	-7.1385	-663.2	1
9301_9301	9301	9301	-218.735	-3.855	0.099	2.0445	-2.604	-3132.8	1
9301_9302	9301	9302	-41.9955	-7.8795	0.1155	0.6165	-5.7705	-593.732	1
9302_9302	9302	9302	-222.875	-36.618	0.084	-1.509	-1.8525	-3190.38	1
9302_9303	9302	9303	-37.0455	-7.8765	0.114	-0.081	-4.434	-524.781	1
9303_9303	9303	9303	-222.179	-37.899	0.057	2.115	-0.198	-3180.49	1
9303_9304	9303	9304	-31.9485	-7.551	0.108	0.513	-3.072	-454.26	1
9304_9304	9304	9304	-218.438	-45.3465	0.0705	-1.0335	1.0725	-3126.9	1
9304_9305	9304	9305	-27.591	-7.5375	0.108	0.054	-1.884	-392.243	1
9305_9305	9305	9305	-208.998	-47.307	-0.015	2.7975	2.3025	-2992.95	1
9305_9306	9305	9306	-23.166	-7.455	0.048	0.5415	-1.3575	-330.969	1
9306_9306	9306	9306	-196.197	-54.3435	-0.0045	-0.645	2.442	-2810.77	1
9306_9307	9306	9307	-18.1515	-7.4535	0.0465	0.135	-0.771	-261.326	1
9307_9307	9307	9307	-173.453	-58.974	-0.1635	2.049	2.763	-2487.65	1
9307_9308	9307	9308	-13.551	-7.539	-0.1575	0.4065	-2.6145	-194.58	1
9308_9308	9308	9308	-145.379	-75.9285	-0.1455	0.3855	1.02	-2094.62	1
9308_9309	9308	9309	-8.9115	-7.5195	-0.1575	0.2535	-4.4655	-128.924	1
9309_9309	9309	9309	-110.889	-82.1655	-0.2955	1.77	0.138	-1605.22	1
9309_9310	9309	9310	-5.0145	-7.299	-0.405	0.306	-9.3045	-62.394	1
9310_9310	9310	9310	-67.1295	-91.182	-0.249	0.5685	-2.3355	-984.05	1
9310_9311	9310	9311	-6.318	7.8885	0.189	-0.3105	7.6305	-20.643	1
9311_9311	9311	9311	-13.749	-100.775	1.017	0.5835	-3.372	-227.022	1
9311_9312	9311	9312	-12.678	39.3045	-3.714	0.1395	0	-66.4965	1
9400_9020	9400	9020	80.646	-32.5635	-20.583	-1.293	147.3945	-1021.22	1
9400_9401	9400	9401	-91.776	-2.0025	-6.324	-0.354	66.366	-314.622	1
9401_9401	9401	9401	80.6715	-31.2765	-5.016	2.1405	63.5055	-887.966	1
9401_9402	9401	9402	-95.187	-1.8705	-4.995	1.6155	50.9715	-307.398	1
9402_9402	9402	9402	81.396	-29.3145	-5.1615	-0.528	45.5805	-778.82	1
9402_9403	9402	9403	-102.203	-3.5505	-5.2185	-0.243	-2.307	-263.708	1
9403_9403	9403	9403	80.787	-25.9215	0.7305	0.3585	-10.2405	-458.757	1
9403_9404	9403	9404	-108.228	-6.357	-0.099	0.324	-3.222	-216.38	1
9404_9404	9404	9404	84.8985	-23.6955	0.6945	0.3285	-5.19	-272.279	1
9404_9405	9404	9405	-117.026	-6.0945	0.039	0.2775	-3.609	-159.026	1
9405_9405	9405	9405	84.828	-19.8615	0.129	0.405	0.3165	-102.228	1
9405_9406	9405	9406	-70.5465	15.9825	0.0255	-0.102	-0.6855	-258.743	1
9406_9406	9406	9406	89.5965	15.324	-3.1605	-0.3585	-0.507	-54.3825	1
9406_9407	9406	9407	-69.8175	17.325	0.051	-0.057	-1.263	-399.276	1
9407_9407	9407	9407	106.548	19.152	-3.2985	0.063	-29.025	-200.459	1
9407_9408	9407	9408	-70.548	16.236	0.0045	-0.3	-2.2635	-487.934	1
9408_9408	9408	9408	121.7835	-5.421	6.609	-2.673	-49.2705	-307.913	1
9408_9409	9408	9409	-65.2545	30.645	0.1785	-0.2475	-1.9185	-580.79	1
9409_9409	9409	9409	118.3095	4.9635	4.7355	2.7495	-29.622	-290.592	1
9409_9410	9409	9410	-65.2875	-29.937	0.2745	0.2715	-1.8585	-489.549	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9410_9410	9410	9410	126.6045	-20.181	1.2855	-0.0615	-15.3375	-306.783	1
9410_9411	9410	9411	-69.756	-15.159	-0.045	0.4545	-2.337	-403.641	1
9411_9411	9411	9411	123.099	-17.4225	1.1145	-0.195	-8.5575	-194.819	1
9411_9412	9411	9412	-71.784	-14.169	0.108	-0.2265	-1.1475	-266.138	1
9412_9412	9412	9412	111.1005	-12.147	0.0435	-0.105	-0.1515	-43.6875	1
9412_9413	9412	9413	-143.202	12.867	0.0315	0.153	0.003	-151.835	1
9413_9413	9413	9413	87.726	22.599	-0.6465	-0.306	-0.2115	-98.7	1
9413_9414	9413	9414	-147.368	8.553	-0.411	0.294	-1.773	-212.516	1
9414_9414	9414	9414	81.8265	25.197	-0.696	-0.369	-4.6725	-264.018	1
9414_9415	9414	9415	-139.926	5.541	-0.336	0.1665	-4.5285	-250.863	1
9415_9415	9415	9415	81.2865	28.683	5.1285	0.0945	-10.047	-446.043	1
9415_9416	9415	9416	-139.227	1.767	-4.5	-0.021	-52.59	-268.185	1
9416_9416	9416	9416	80.55	30.684	5.1645	-0.663	45.8235	-759.173	1
9416_9417	9416	9417	-134.15	-1.3275	-4.395	1.3665	-66.426	-262.779	1
9417_9417	9417	9417	80.5845	32.0775	20.106	1.1985	64.6035	-866.429	1
9417_9036	9417	9036	-132.182	-1.59	-4.7325	0.018	-84.651	-255.798	1
9420_9056	9420	9056	82.9215	-30.1545	-19.8855	-1.032	122.7945	-911.223	1
9420_9421	9420	9421	-85.098	0.192	-5.715	-0.297	55.179	-220.712	1
9421_9421	9421	9421	82.8975	-28.7115	-3.51	1.0275	41.1255	-787.677	1
9421_9422	9421	9422	-84.957	0.0135	-4.1055	1.0365	39.594	-220.77	1
9422_9422	9422	9422	83.559	-26.7165	-3.57	-0.207	28.7385	-687.531	1
9422_9423	9422	9423	-93.627	-1.3515	-4.443	-0.0945	-5.337	-202.56	1
9423_9423	9423	9423	82.2435	-23.2755	0.7665	0.3495	-9.471	-395.756	1
9423_9424	9423	9424	-140.268	-3.0225	-0.075	-0.1425	0.555	-178.146	1
9424_9424	9424	9424	83.6685	-21.264	0.708	0.2505	-4.0515	-228.048	1
9424_9425	9424	9425	-111.135	-3.6735	0.3675	0.246	-1.8375	-135.72	1
9425_9425	9425	9425	85.89	-17.1615	-0.066	0.3495	1.6125	-76.377	1
9425_9426	9425	9426	-73.107	14.6715	0.024	-0.0945	-0.894	-234.356	1
9426_9426	9426	9426	78.201	11.859	-2.607	-0.2745	2.0595	-34.446	1
9426_9427	9426	9427	-72.6705	14.6565	0.039	0.0495	-0.906	-356.63	1
9427_9427	9427	9427	114.4005	16.9215	0.3555	-0.066	4.986	-152.865	1
9427_9428	9427	9428	-73.107	13.5165	0.0495	-0.4005	-1.512	-431.138	1
9428_9428	9428	9428	112.131	-6.75	-4.764	-0.606	9.6495	-247.472	1
9428_9429	9428	9429	-68.7435	28.5465	-0.132	-0.1995	-1.7625	-517.215	1
9429_9429	9429	9429	108.6375	6.2235	-5.499	0.702	-5.5455	-228.176	1
9429_9430	9429	9430	-68.6895	-28.4265	-0.021	0.2475	-2.019	-431.187	1
9430_9430	9430	9430	102.6945	-16.3395	1.539	0.189	-20.154	-247.392	1
9430_9431	9430	9431	-72.9705	-13.0635	-0.015	0.291	-1.74	-357.233	1
9431_9431	9431	9431	99.576	-14.0685	1.47	0.2685	-11.853	-157.514	1
9431_9432	9431	9432	-74.7705	-11.952	-0.033	-0.1215	-0.87	-235.707	1
9432_9432	9432	9432	73.314	-9.318	-0.009	0.222	1.3695	-38.7285	1
9432_9433	9432	9433	-116.355	8.0415	-0.042	-0.3	-1.7685	-136.433	1
9433_9433	9433	9433	89.5365	20.64	-0.747	-0.3075	1.173	-74.481	1
9433_9434	9433	9434	-100.874	6.4875	-0.3105	-0.273	-3.9765	-176.939	1
9434_9434	9434	9434	84.279	23.175	-0.765	-0.3195	-3.963	-225.35	1
9434_9435	9434	9435	-94.881	4.6815	-0.216	-0.273	-5.169	-208.227	1
9435_9435	9435	9435	84.7545	26.685	3.576	0.3435	-10.2075	-392.895	1
9435_9436	9435	9436	-85.4295	2.3565	4.431	0.159	43.6425	-230.802	1
9436_9436	9436	9436	84.0765	28.7685	3.45	-1.4895	29.112	-684.126	1
9436_9437	9436	9437	-84.0945	0.3525	4.4985	-1.2825	58.8165	-231.728	1
9437_9437	9437	9437	84.1155	30.105	19.926	1.035	41.031	-784.7	1
9437_9072	9437	9072	-81.483	0.444	5.463	0.303	80.58	-233.477	1
9440_9094	9440	9094	84.318	-29.781	-19.386	-1.155	109.731	-889.223	1
9440_9441	9440	9441	-76.308	-0.405	-5.61	-0.309	40.0455	-217.331	1
9441_9441	9441	9441	84.2505	-28.302	-2.6565	0.6735	30.0795	-767.171	1
9441_9442	9441	9442	-79.0275	-0.3285	-3.1755	0.8145	29.355	-216.114	1
9442_9442	9442	9442	84.912	-26.2515	-2.685	-0.069	20.745	-668.384	1
9442_9443	9442	9443	-134.538	0.36	3.2325	-0.207	3.213	-197.571	1
9443_9443	9443	9443	83.2215	-22.7115	0.6405	0.297	-7.851	-381.753	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9443_9444	9443	9444	-137.256	-2.9565	-0.0975	-0.2775	1.248	-174.875	1
9444_9444	9444	9444	84.66	-20.7255	0.6615	0.42	-3.2685	-218.237	1
9444_9445	9444	9445	-144.456	-5.595	-0.156	-0.2925	0.3705	-132.602	1
9445_9445	9445	9445	87.12	-16.572	-0.1305	0.4185	2.1585	-70.1535	1
9445_9446	9445	9446	-72.0015	14.25	0.0405	-0.114	-0.642	-228.924	1
9446_9446	9446	9446	72.9075	11.3775	-1.62	-0.18	1.8405	-38.3325	1
9446_9447	9446	9447	-72.48	14.127	-0.033	0.1845	-1.251	-347.162	1
9447_9447	9447	9447	93.096	15.1875	-1.854	-0.336	-12.4905	-149.484	1
9447_9448	9447	9448	-73.11	12.891	0.09	-0.6705	-1.5405	-418.038	1
9448_9448	9448	9448	111.759	-6.957	-4.3335	-1.767	2.4	-241.881	1
9448_9449	9448	9449	-68.8365	28.0335	0.0105	-0.2805	-1.4145	-502.601	1
9449_9449	9449	9449	108.8775	6.4605	-5.055	1.8285	-11.0805	-221.708	1
9449_9450	9449	9450	-68.907	-27.9975	0.0105	0.3075	-1.3725	-417.78	1
9450_9450	9450	9450	102.2775	-16.1295	1.836	0.0795	-24.4245	-241.685	1
9450_9451	9450	9451	-73.0995	-12.54	-0.039	0.0435	-0.4335	-346.617	1
9451_9451	9451	9451	98.0835	-13.77	1.881	0.4095	-14.3415	-152.753	1
9451_9452	9451	9452	-75.5295	-11.4825	-0.288	0.0225	-1.014	-229.476	1
9452_9452	9452	9452	72.405	-9.069	-0.1185	0.267	2.295	-35.8545	1
9452_9453	9452	9453	-117.185	8.0505	0.099	-0.3615	-0.8445	-136.742	1
9453_9453	9453	9453	87.5535	20.1495	-0.6675	-0.3945	1.404	-72.219	1
9453_9454	9453	9454	-102.303	6.24	-0.3945	-0.3495	-3.639	-176.163	1
9454_9454	9454	9454	82.6155	22.629	-0.6615	-0.3495	-3.2025	-219.311	1
9454_9455	9454	9455	-97.3065	4.353	-0.3405	-0.3015	-5.8605	-205.995	1
9455_9455	9455	9455	83.499	26.1795	2.6385	0.1425	-8.5935	-382.782	1
9455_9456	9455	9456	-85.911	2.0895	3.4185	0.0015	32.076	-225.885	1
9456_9456	9456	9456	82.8495	28.173	2.568	-0.966	20.3925	-668.771	1
9456_9457	9456	9457	-82.242	0.324	3.3525	-0.948	42.591	-226.269	1
9457_9457	9457	9457	82.8675	29.55	19.5015	1.197	28.9455	-767.09	1
9457_9110	9457	9110	-82.4115	0.12	5.0565	0.3255	64.4745	-226.775	1
9460_9132	9460	9132	87.051	-32.4105	-18.6885	-1.302	107.4465	-965.669	1
9460_9461	9460	9461	-51.1305	-4.341	-3.7425	-0.276	30.993	-229.782	1
9461_9461	9461	9461	87.147	-30.93	-2.7915	-0.0195	31.0305	-832.959	1
9461_9462	9461	9462	-150.263	5.8785	2.7825	-0.951	-26.718	-219.341	1
9462_9462	9462	9462	87.867	-28.8285	-2.718	0.1335	21.483	-725.069	1
9462_9463	9462	9463	-161.988	3.06	2.763	-0.138	2.691	-247.691	1
9463_9463	9463	9463	87.0465	-25.0905	0.639	0.3285	-7.449	-410.255	1
9463_9464	9463	9464	-166.259	-1.077	-0.0915	-0.207	0.7455	-238.125	1
9464_9464	9464	9464	87.6075	-23.061	0.639	0.3945	-2.8305	-229.427	1
9464_9465	9464	9465	-174.059	-4.3125	-0.1185	-0.246	0.084	-204.674	1
9465_9465	9465	9465	-47.631	-4.1475	-0.018	-0.03	-0.363	-67.7985	1
9465_9466	9465	9466	-63.5295	18.051	0.1005	-0.249	-0.168	-234.122	1
9466_9466	9466	9466	53.964	12.3315	0.456	-0.027	-0.7605	-112.154	1
9466_9467	9466	9467	-68.9565	16.4385	-0.0525	-0.0345	-1.392	-378.111	1
9467_9467	9467	9467	59.523	14.034	0.4725	-0.3705	3.888	-223.787	1
9467_9468	9467	9468	-71.7495	15.09	0.09	-0.456	-0.6285	-461.579	1
9468_9468	9468	9468	68.01	0.1305	4.2405	0.057	7.2075	-302.279	1
9468_9469	9468	9469	-67.719	29.8065	0.75	-0.5865	2.2035	-550.923	1
9469_9469	9469	9469	82.83	0.006	-4.0965	0.546	16.278	-346.886	1
9469_9470	9469	9470	-64.4085	-29.2665	-0.4365	0.6015	-0.7215	-460.97	1
9470_9470	9470	9470	79.107	-17.367	-0.366	0.057	4.266	-347.333	1
9470_9471	9470	9471	-69.6675	-15.291	0.048	-0.069	-0.54	-375.902	1
9471_9471	9471	9471	78.018	-15.66	-0.249	0.2925	1.947	-250.976	1
9471_9472	9471	9472	-64.143	-15.423	0.192	0.294	-0.4095	-231.309	1
9472_9472	9472	9472	67.812	-12.408	0.054	0.2475	-0.2115	-114.231	1
9472_9473	9472	9473	-154.199	7.725	0.003	0.0735	-1.29	-184.631	1
9473_9473	9473	9473	83.9475	23.1105	-0.6885	-0.3975	1.6455	-70.734	1
9473_9474	9473	9474	-153.143	3.3255	0.024	0.186	0.324	-206.477	1
9474_9474	9474	9474	82.164	25.0815	-0.6825	-0.3165	-3.288	-237.735	1
9474_9475	9474	9475	-147.62	0.135	0.003	0.1665	0.192	-206.202	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9475_9475	9475	9475	83.5905	28.563	2.5635	0.186	-9.1755	-418.488	1
9475_9476	9475	9476	-70.137	6.135	2.454	0.009	22.6545	-269.085	1
9476_9476	9476	9476	82.8825	30.561	2.4945	-0.939	18.9915	-730.41	1
9476_9477	9476	9477	-67.8555	4.6215	2.427	-0.7635	30.4035	-284.655	1
9477_9477	9477	9477	82.8285	32.034	19.9275	1.2555	27.489	-837.012	1
9477_9148	9477	9148	-68.007	4.485	3.954	0.255	47.589	-303.017	1
9480_9168	9480	9168	84.591	-32.385	-20.7585	-1.287	113.2515	-978.858	1
9480_9481	9480	9481	-60.444	-3.1395	-4.461	-0.2505	28.3965	-226.214	1
9481_9481	9481	9481	84.5925	-30.9015	-2.607	0.429	27.936	-846.257	1
9481_9482	9481	9482	-62.334	-3.0375	-2.244	0.549	20.5035	-215.355	1
9482_9482	9482	9482	85.338	-28.7775	-2.607	-0.042	18.8205	-738.173	1
9482_9483	9482	9483	-155.825	3.558	1.632	-0.1995	1.7775	-219.059	1
9483_9483	9483	9483	83.316	-25.3305	0.744	0.4785	-8.598	-424.19	1
9483_9484	9483	9484	-155.34	-0.462	-0.138	-0.0165	-0.1755	-214.446	1
9484_9484	9484	9484	83.883	-23.388	0.6405	0.222	-3.342	-241.628	1
9484_9485	9484	9485	-163.836	-3.444	0.0435	-0.333	0.3105	-187.281	1
9485_9485	9485	9485	83.5785	-19.782	-0.0615	0.3885	1.845	-73.0545	1
9485_9486	9485	9486	-62.4315	18.1665	0.1065	-0.228	0.2985	-237.152	1
9486_9486	9486	9486	64.3125	12.738	0.3075	-0.2715	-0.627	-93.8505	1
9486_9487	9486	9487	-66.909	16.893	-0.087	-0.4425	-1.395	-383.562	1
9487_9487	9487	9487	70.0185	14.6505	0.5415	0.0375	3.015	-209.412	1
9487_9488	9487	9488	-69.2145	15.6735	-0.126	0.249	-1.3185	-470.102	1
9488_9488	9488	9488	78.7245	-1.479	5.1555	-0.225	6.546	-291.789	1
9488_9489	9488	9489	-64.4655	29.736	0.837	-0.867	1.3725	-559.334	1
9489_9489	9489	9489	71.8275	0.0195	-5.4165	0.1695	23.1075	-311.258	1
9489_9490	9489	9490	-64.3545	-29.5935	-0.7395	0.831	-1.362	-472.628	1
9490_9490	9490	9490	70.065	-15.213	-0.6435	0.063	7.632	-312.006	1
9490_9491	9490	9491	-68.262	-15.501	0.156	-0.1065	-1.3335	-385.895	1
9491_9491	9491	9491	66.654	-13.542	-0.4995	0.2295	3.489	-228.296	1
9491_9492	9491	9492	-63.753	-15.945	0.2715	0.3045	-0.3015	-238.29	1
9492_9492	9492	9492	55.1955	-10.668	0.063	0.192	-0.669	-110.105	1
9492_9493	9492	9493	-158.993	7.8015	0.0795	0.075	-0.765	-181.403	1
9493_9493	9493	9493	87.2565	23.4705	-0.645	-0.2205	1.203	-70.6215	1
9493_9494	9493	9494	-158.457	3.264	-0.063	0.33	-0.0285	-203.454	1
9494_9494	9494	9494	85.365	25.521	-0.747	-0.4725	-3.306	-240.246	1
9494_9495	9494	9495	-148.62	0.285	0.1185	0.0285	0.696	-203.567	1
9495_9495	9495	9495	87.5115	29.0835	2.568	0.186	-9.6435	-424.158	1
9495_9496	9495	9496	-57.945	5.454	1.9095	-0.0045	17.2245	-226.913	1
9496_9496	9496	9496	86.8215	31.0875	2.4945	-0.921	18.6	-742.04	1
9496_9497	9496	9497	-55.953	4.275	1.878	-0.5925	23.076	-241.274	1
9497_9497	9497	9497	86.7255	32.5845	20.886	1.347	27.0015	-850.175	1
9497_9184	9497	9184	-56.046	4.1205	4.4535	0.2445	41.8605	-258.147	1
9500_9204	9500	9204	89.271	-32.5455	-19.968	-1.902	122.523	-1001.03	1
9500_9501	9500	9501	-137.9	3.1635	6.2895	-0.0615	-26.523	-225.498	1
9501_9501	9501	9501	89.2935	-31.2795	-3.384	2.3175	41.55	-867.728	1
9501_9502	9501	9502	-141.702	2.925	1.656	-0.2655	-22.0635	-235.398	1
9502_9502	9502	9502	90.009	-29.1315	-3.615	-0.558	29.163	-758.646	1
9502_9503	9502	9503	-152.306	0.1455	2.2725	-0.435	0.891	-233.627	1
9503_9503	9503	9503	88.1325	-25.6245	0.66	0.2205	-9.6135	-440.531	1
9503_9504	9503	9504	-150.273	-3.8055	0.1515	-0.384	1.098	-205.296	1
9504_9504	9504	9504	88.7025	-23.5695	0.7725	0.6885	-4.7205	-255.861	1
9504_9505	9504	9505	-159.054	-6.705	-0.114	-0.1635	0.8535	-154.506	1
9505_9505	9505	9505	92.76	-19.0275	-0.009	0.531	1.296	-88.119	1
9505_9506	9505	9506	-72.351	17.01	0.024	-0.165	-0.6795	-266.373	1
9506_9506	9506	9506	97.3275	13.9125	-0.4755	0.1185	0.8445	-28.8045	1
9506_9507	9506	9507	-74.0145	16.8255	-0.0015	0.066	-1.2525	-406.98	1
9507_9507	9507	9507	126.729	19.0485	-0.288	-0.042	0.1125	-167.835	1
9507_9508	9507	9508	-74.6385	15.5085	0.0705	-0.4785	-1.3335	-492.518	1
9508_9508	9508	9508	125.9805	-7.4475	-5.886	-2.9715	0.6615	-274.115	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9508_9509	9508	9509	-70.362	31.296	-0.195	-0.744	-2.9475	-586.907	1
9509_9509	9509	9509	121.1895	7.065	-6.5415	2.79	-17.6565	-253.844	1
9509_9510	9509	9510	-70.4385	-31.629	-0.4875	0.8085	-4.434	-491.312	1
9510_9510	9510	9510	115.206	-18.141	2.622	0.171	-35.238	-275.438	1
9510_9511	9510	9511	-76.146	-15.7065	-0.0105	0.603	-2.5305	-403.679	1
9511_9511	9511	9511	108.102	-15.3465	2.4255	0.2685	-20.7225	-176.409	1
9511_9512	9511	9512	-79.752	-13.4205	-0.324	-0.255	-0.927	-263.093	1
9512_9512	9512	9512	80.3355	-10.119	0.0315	0.243	0.969	-45.486	1
9512_9513	9512	9513	-127.491	8.7795	-0.0765	-0.351	-2.214	-150.402	1
9513_9513	9513	9513	91.8855	23.4855	-0.7365	-0.54	0.714	-96.93	1
9513_9514	9513	9514	-114.089	6.8265	-0.1425	-0.363	-3.222	-193.574	1
9514_9514	9514	9514	89.0685	25.8705	-0.72	-0.393	-4.542	-267.648	1
9514_9515	9514	9515	-109.062	4.8585	-0.1335	-0.2625	-3.969	-227.327	1
9515_9515	9515	9515	88.179	29.634	3.5955	0.165	-9.642	-455.991	1
9515_9516	9515	9516	-93.525	2.49	2.607	-0.0135	25.287	-250.46	1
9516_9516	9516	9516	86.499	31.746	3.4875	-1.0845	29.28	-779.838	1
9516_9517	9516	9517	-93.4455	0.255	2.67	-0.7965	34.6005	-251.339	1
9517_9517	9517	9517	86.667	33.117	19.602	1.8495	41.802	-890.651	1
9517_9220	9517	9220	-90.891	0.2685	6.6285	0.528	60.9435	-252.362	1
9520_9240	9520	9240	106.329	-34.782	-1.29	-2.028	69.753	-1058.02	1
9520_9521	9520	9521	-76.512	0.2805	0.402	-0.6435	47.253	-195.129	1
9521_9521	9521	9521	106.866	-33.531	-3.357	1.275	63.6645	-914.733	1
9521_9522	9521	9522	-79.368	0.642	-2.598	0.9795	40.0815	-196.575	1
9522_9522	9522	9522	107.6385	-30.9615	-3.3495	0.0915	51.9825	-797.718	1
9522_9523	9522	9523	-88.9905	-0.387	-2.994	0.024	12.282	-187.238	1
9523_9523	9523	9523	107.133	-27.1035	-0.642	0.9615	15.0705	-458.862	1
9523_9524	9523	9524	-101.595	-2.232	-0.8025	0.6555	6.543	-166.932	1
9524_9524	9524	9524	107.733	-24.6105	-0.8385	0.1965	10.278	-263.649	1
9524_9525	9524	9525	-111.065	-0.873	-0.507	0.174	2.364	-142.151	1
9525_9525	9525	9525	110.01	-19.851	-0.495	0.543	4.782	-87.6855	1
9525_9526	9525	9526	-90.384	17.976	0.2325	-0.099	3.1545	-281.693	1
9526_9526	9526	9526	61.785	9.204	0.441	-0.006	1.38	-25.239	1
9526_9527	9526	9527	-92.274	16.941	-0.5025	0.4245	-1.755	-421.679	1
9527_9527	9527	9527	124.2765	16.2015	-3.789	0.4725	-33.1785	-125.715	1
9527_9528	9527	9528	-93.336	15.5925	-0.0555	-0.888	-1.0605	-506.007	1
9528_9528	9528	9528	123.93	-9.6615	-3.588	-8.2035	-53.358	-215.858	1
9528_9529	9528	9529	-87.7815	34.725	-0.768	-0.366	-2.9145	-611.159	1
9529_9529	9529	9529	119.9295	7.851	-8.343	8.226	-63.948	-191.66	1
9529_9530	9529	9530	-87.9375	-34.836	-0.8685	0.8715	-5.094	-506.399	1
9530_9530	9530	9530	109.368	-15.5385	5.727	-0.342	-88.2795	-213.819	1
9530_9531	9530	9531	-93.417	-14.7555	-0.84	0.7725	-1.5705	-420.432	1
9531_9531	9531	9531	103.014	-12.9225	5.394	0.5355	-55.302	-128.79	1
9531_9532	9531	9532	-94.206	-14.421	-1.4715	-0.1515	-5.949	-280.08	1
9532_9532	9532	9532	71.856	-7.977	0.633	0.225	-6.2925	-22.317	1
9532_9533	9532	9533	-128.456	6.5925	-0.6195	-0.36	-4.2975	-156.293	1
9533_9533	9533	9533	113.589	24.3555	-0.177	-0.0195	2.481	-92.865	1
9533_9534	9533	9534	-115.178	4.9155	-0.099	-0.0405	-5.3235	-185.166	1
9534_9534	9534	9534	108.243	27.663	-0.552	-0.942	1.2135	-273.323	1
9534_9535	9534	9535	-108.416	3.1575	0.2715	-0.534	-3.024	-205.979	1
9535_9535	9535	9535	106.8255	31.959	0.7365	0.5085	-3.2715	-473.616	1
9535_9536	9535	9536	-92.5185	0.7305	-0.6255	-0.0645	-10.227	-210.056	1
9536_9536	9536	9536	106.029	34.512	0.5415	-1.2615	5.229	-822.756	1
9536_9537	9536	9537	-89.7015	-1.227	-0.4545	-0.237	-11.7495	-205.526	1
9537_9537	9537	9537	105.0615	36.2235	5.3415	5.3475	7.224	-941.84	1
9537_9254	9537	9254	-87.234	-0.7185	3.9705	4.422	4.038	-201.236	1
9540_9275	9540	9275	106.002	-35.0715	-6.582	-1.593	102.768	-1111.89	1
9540_9541	9540	9541	-91.7085	0.0345	-5.439	-0.861	70.4085	-255.251	1
9541_9541	9541	9541	104.877	-34.3545	-3.492	3.4305	75.243	-966.054	1
9541_9542	9541	9542	-94.668	0.075	-4.188	1.992	56.9265	-253.881	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
9542_9542	9542	9542	105.6615	-31.8315	-3.7275	-0.153	62.5215	-846.261	1
9542_9543	9542	9543	-101.372	-1.518	-4.2375	0.0045	14.118	-233.124	1
9543_9543	9543	9543	108.8895	-28.206	-0.921	1.1295	22.0185	-498.096	1
9543_9544	9543	9544	-111.687	-3.9015	-0.6495	0.828	9.273	-199.143	1
9544_9544	9544	9544	109.6305	-25.71	-1.02	0.4905	15.321	-294.933	1
9544_9545	9544	9545	-118.784	-3.2805	-0.4395	0.4155	5.6895	-159.291	1
9545_9545	9545	9545	110.391	-21.2685	-1.1955	0.648	8.109	-109.983	1
9545_9546	9545	9546	-92.1825	17.412	0.4455	0.003	6.7455	-277.847	1
9546_9546	9546	9546	77.2905	11.9595	3.5565	0.042	9.606	-33.8745	1
9546_9547	9546	9547	-93.459	17.64	-0.4965	0.246	3.2235	-421.898	1
9547_9547	9547	9547	94.599	15.5715	4.107	-1.0965	48.1125	-149.799	1
9547_9548	9547	9548	-94.911	16.44	0.0525	-0.393	7.689	-510.903	1
9548_9548	9548	9548	103.0425	-5.181	1.206	11.6475	72.3945	-238.749	1
9548_9549	9548	9549	-88.8855	35.9295	-1.3185	0.6525	3.48	-619.23	1
9549_9549	9549	9549	100.26	6.6375	6.2625	-10.932	73.767	-215.69	1
9549_9550	9549	9550	-89.5785	-34.4235	-0.639	-0.375	5.7435	-515.144	1
9550_9550	9550	9550	118.434	-18.3525	-5.574	1.221	96.2445	-240.188	1
9550_9551	9550	9551	-94.2165	-14.169	-1.656	1.293	-0.5325	-434.667	1
9551_9551	9551	9551	110.7645	-15.2505	-5.6595	-0.654	61.3245	-137.511	1
9551_9552	9551	9552	-95.0595	-13.548	-2.877	-0.339	-8.316	-308.661	1
9552_9552	9552	9552	59.1765	-7.1475	1.1805	0.21	-11.6115	-19.5225	1
9552_9553	9552	9553	-130.679	5.376	-1.4985	-0.3675	-10.455	-180.386	1
9553_9553	9553	9553	113.7915	24.501	-0.567	-0.534	1.4475	-70.38	1
9553_9554	9553	9554	-119.729	4.893	0.279	-0.3855	-8.3325	-203.232	1
9554_9554	9554	9554	108.5715	28.0425	-0.5895	-0.3645	-2.664	-245.726	1
9554_9555	9554	9555	-112.085	2.9625	0.2115	-0.1065	-6.5505	-219.773	1
9555_9555	9555	9555	108.042	32.727	0.768	0.4725	-6.7725	-442.362	1
9555_9556	9555	9556	-95.025	0.2505	0.8595	0.015	2.6445	-214.746	1
9556_9556	9556	9556	107.1105	35.658	0.66	-0.447	1.662	-791.159	1
9556_9557	9556	9557	-93.1845	-2.1585	0.945	-0.291	5.835	-206.82	1
9557_9557	9557	9557	105.5445	37.6515	3.8355	4.0155	4.4625	-910.745	1
9557_9288	9557	9288	-86.0925	-1.8465	2.298	2.6355	17.787	-192.941	1
49000_9000	49000	9000	-1.4715	-8.79	4.8435	2.0415	0	-14.5875	1
49000_9001	49000	9001	0.8355	9.1725	-6.168	-2.352	-51.192	-64.8765	1
49001_9001	49001	9001	1.767	44.151	-0.9255	-8.4585	-7.662	-810.567	1
49001_9002	49001	9002	0.975	9.261	-6.0405	-2.4255	-103.851	-147.039	1
49002_9002	49002	9002	2.361	37.86	1.3035	-6.141	-23.5095	-1556.5	1
49002_9003	49002	9003	1.1055	8.88	2.832	-2.229	-66.9195	-254.193	1
49003_9003	49003	9003	3.0135	27.9795	1.698	-12.1065	-14.367	-2386.55	1
49003_9004	49003	9004	1.11	8.88	2.8305	-2.6745	-32.697	-361.547	1
49004_9004	49004	9004	3.261	14.0085	0.096	-3.825	5.181	-3014.96	1
49004_9005	49004	9005	1.158	9.1695	-0.015	-2.148	-32.7615	-472.296	1
49005_9005	49005	9005	3.696	5.034	0.2715	-11.3265	3.4275	-3539.06	1
49005_9006	49005	9006	1.158	9.1695	-0.0165	-2.9745	-32.964	-583.127	1
49006_9006	49006	9006	4.02	1.9215	-0.3915	-2.6325	4.428	-3888.51	1
49006_9007	49006	9007	1.158	9.1335	-0.564	-2.0295	-39.7845	-693.497	1
49007_9007	49007	9007	4.2405	-6.2925	-0.273	-7.299	-3.7515	-4145.61	1
49007_9008	49007	9008	1.158	9.1335	-0.5655	-2.598	-46.617	-803.856	1
49008_9008	49008	9008	4.371	-7.815	-0.4965	-1.872	-10.2765	-4256.08	1
49008_9009	49008	9009	1.1565	9.3105	-0.5955	-1.9845	-53.817	-916.406	1
49009_9009	49009	9009	4.425	-15.5655	-0.3735	-2.724	-20.2065	-4311.47	1
49009_9010	49009	9010	1.1565	9.3105	-0.5955	-1.887	-61.011	-1028.87	1
49010_9010	49010	9010	4.4085	-16.8015	-0.6735	4.311	-28.1025	-4241.04	1
49010_9011	49010	9011	1.155	9.6	-0.618	-0.48	-68.484	-1144.9	1
49011_9011	49011	9011	4.422	-51.069	-0.741	-1.2255	-33.777	-4172.92	1
49011_9012	49011	9012	1.1535	9.6	-0.6195	-2.3595	-75.9795	-1260.91	1
49012_9012	49012	9012	4.404	-52.692	-1.224	8.3235	-43.686	-3994.77	1
49012_9013	49012	9013	1.1535	9.987	-0.549	0.3795	-82.611	-1381.58	1
49013_9013	49013	9013	4.3245	-60.1245	-1.0575	1.1805	-59.145	-3776.68	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49013_9014	49013	9014	1.1535	9.987	-0.5505	-1.89	-89.2635	-1502.23	1
49014_9014	49014	9014	4.191	-64.02	0.2925	7.9035	-70.374	-3452.86	1
49014_9015	49014	9015	1.2045	10.4565	-0.42	0.54	-95.118	-1664.59	1
49015_9015	49015	9015	4.5885	-71.8305	0.3255	2.136	-64.293	-2970.79	1
49015_9016	49015	9016	1.1115	10.467	-0.4215	-1.0065	-98.6145	-1750.25	1
49016_9016	49016	9016	5.6595	-73.011	2.1825	8.7255	-60.309	-2665.5	1
49016_9017	49016	9017	0.9135	10.911	0.1395	2.3715	-96.9405	-1878.54	1
49017_9017	49017	9017	7.515	-79.3455	2.1225	4.1085	-35.118	-2225.58	1
49017_9018	49017	9018	0.6435	10.9305	0.1365	0.5655	-95.259	-2023.69	1
49018_9018	49018	9018	6.582	-54.7425	-2.4645	4.2615	-24.717	-1704.57	1
49018_9019	49018	9019	0.396	11.2185	-0.843	3.489	-104.484	-2164.09	1
49019_9019	49019	9019	8.1345	-59.889	-1.4745	2.298	-50.7285	-1205.15	1
49019_9020	49019	9020	0.099	11.2245	-0.8445	2.613	-115.343	-2305.17	1
49020_9020	49020	9020	-117.108	-6.711	7.821	2.9055	-263.558	-1168.14	1
49020_9021	49020	9021	75.273	-26.0985	2.0265	4.3245	-86.928	-933.722	1
49021_9021	49021	9021	-106.355	-10.8855	7.89	-2.853	-177.96	-1334.93	1
49021_9022	49021	9022	87.435	-20.1435	2.958	1.1625	-95.7375	-737.253	1
49022_9022	49022	9022	-97.836	-14.85	7.5585	-2.199	-107.823	-1443.56	1
49022_9023	49022	9023	111.7425	-6.813	4.842	0.9465	-109.65	-649.346	1
49023_9023	49023	9023	-89.1915	-17.826	1.1895	2.004	-41.8815	-1538.25	1
49023_9024	49023	9024	107.946	-4.2855	2.865	2.5755	-90.993	-605.822	1
49024_9024	49024	9024	-81	-22.5945	1.044	1.281	-26.5215	-1623.41	1
49024_9025	49024	9025	105.501	-3.6735	2.85	2.5035	-68.8515	-574.155	1
49025_9025	49025	9025	-73.602	-27.825	0.981	-1.593	-13.467	-1682.87	1
49025_9026	49025	9026	99.8295	-2.7615	2.6625	1.6545	-48.276	-548.423	1
49026_9026	49026	9026	-67.5825	-30.3135	0.2355	4.4475	-2.655	-1719.96	1
49026_9027	49026	9027	99.8295	-2.415	2.307	3.429	-34.4415	-533.943	1
49027_9027	49027	9027	-63.87	-34.6155	0.291	0.99	0.2775	-1742.85	1
49027_9028	49027	9028	96.8055	-2.091	2.115	2.373	-22.1655	-520.952	1
49028_9028	49028	9028	-61.002	-39.171	0.213	0.732	3.1515	-1748.99	1
49028_9029	49028	9029	95.5365	-1.9815	2.1255	2.436	-9.594	-508.61	1
49029_9029	49029	9029	-57.1125	-20.538	-0.183	-2.454	5.559	-1728.35	1
49029_9030	49029	9030	92.928	-1.7685	2.0955	2.283	2.5605	-497.759	1
49030_9030	49030	9030	-58.533	-21.555	-0.705	1.6665	4.0515	-1700.09	1
49030_9031	49030	9031	92.9325	-1.2255	2.601	3.639	23.3535	-487.973	1
49031_9031	49031	9031	-61.4865	-27.282	-0.9045	0.837	-4.329	-1657.13	1
49031_9032	49031	9032	147.036	6.1455	-2.6085	-2.427	-53.037	-490.131	1
49032_9032	49032	9032	-65.7855	-32.532	-0.9765	-2.169	-15.729	-1590.74	1
49032_9033	49032	9033	144.6165	10.5375	-2.6655	-3.405	-70.9455	-551.093	1
49033_9033	49033	9033	-70.95	-35.9175	-7.281	3.8835	-28.9365	-1498.29	1
49033_9034	49033	9034	106.314	22.338	-2.7855	-1.7385	-72.1215	-677.918	1
49034_9034	49034	9034	-76.608	-40.3605	-7.6185	3.1635	-93.753	-1395.15	1
49034_9035	49034	9035	89.1825	28.653	-1.5615	-2.3475	-64.605	-872.102	1
49035_9035	49035	9035	-82.407	-44.3745	-7.6425	-2.5245	-162.137	-1256.53	1
49035_9036	49035	9036	72.351	37.614	-0.1185	-5.2365	-27.912	-1207.49	1
49036_9036	49036	9036	-11.454	-10.371	0.357	2.2125	-8.541	-679.407	1
49036_9037	49036	9037	37.941	-16.752	0.6945	-1.689	-61.6575	-1980.37	1
49037_9037	49037	9037	29.8365	2.196	1.167	-3.4425	-34.134	-1090.45	1
49037_9038	49037	9038	38.37	-15.7305	0.5895	-4.9245	-54.1815	-1783.01	1
49038_9038	49038	9038	35.6835	-2.2935	-1.1895	-0.786	-10.7355	-1505.3	1
49038_9039	49038	9039	38.7645	-14.454	-0.2415	-0.9105	-57.6345	-1591.34	1
49039_9039	49039	9039	41.592	-7.8225	-1.6005	-4.851	-22.3095	-1893.21	1
49039_9040	49039	9040	39.111	-13.4865	-0.315	-2.382	-61.266	-1428.92	1
49040_9040	49040	9040	46.209	-10.212	-1.083	-2.4075	-40.0785	-2187.84	1
49040_9041	49040	9041	39.342	-12.294	-0.201	-0.921	-62.9565	-1327.56	1
49041_9041	49041	9041	48.9255	-15.249	-1.188	-2.391	-49.626	-2372.99	1
49041_9042	49041	9042	39.45	-11.9415	-0.1965	-0.144	-65.9265	-1135.98	1
49042_9042	49042	9042	52.2165	-18.21	0.252	0.7815	-70.659	-2666.42	1
49042_9043	49042	9043	39.45	-11.3085	0.42	1.0245	-60.9405	-1001.59	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49043_9043	49043	9043	53.2155	0.6015	0.1755	-5.7705	-71.2515	-2877.55	1
49043_9044	49043	9044	39.45	-11.3085	0.39	0.264	-56.3145	-867.33	1
49044_9044	49044	9044	51.915	-1.2885	0.0765	0.1035	-69.126	-3017.6	1
49044_9045	49044	9045	39.4515	-10.9245	0.3045	1.5915	-52.704	-737.538	1
49045_9045	49045	9045	50.115	-9.435	0.0255	-4.1235	-68.418	-3134.2	1
49045_9046	49045	9046	10.32	11.178	-0.4155	-1.881	-53.829	-647.055	1
49046_9046	49046	9046	47.9295	-11.1555	-0.1095	2.2755	-67.734	-3149.36	1
49046_9047	49046	9047	10.3185	11.355	-0.4545	-0.9015	-59.235	-781.913	1
49047_9047	49047	9047	50.0685	-44.655	-0.1005	1.1715	-68.823	-3147.41	1
49047_9048	49047	9048	10.3185	11.355	-0.4635	-1.557	-64.7415	-916.761	1
49048_9048	49048	9048	47.883	-46.6515	-0.3375	6.9465	-70.305	-3044.99	1
49048_9049	49048	9049	10.3185	11.652	-0.5415	-0.15	-71.178	-1055.13	1
49049_9049	49049	9049	45.393	-54.6825	-0.3735	3.2175	-74.7165	-2918.24	1
49049_9050	49049	9050	10.317	11.652	-0.5505	-1.035	-77.715	-1193.48	1
49050_9050	49050	9050	36.0285	-31.203	1.2675	5.0325	-76.2915	-2709.08	1
49050_9051	49050	9051	10.317	12.1185	-0.1095	0.561	-79.365	-1376.89	1
49051_9051	49051	9051	31.395	-39.9915	1.086	1.392	-55.9965	-2424.96	1
49051_9052	49051	9052	10.5045	12.2235	-0.1095	-0.0525	-79.7865	-1478.53	1
49052_9052	49052	9052	29.1255	-40.6815	1.7415	4.662	-46.797	-2227.4	1
49052_9053	49052	9053	10.293	12.8055	-0.012	0.8055	-79.92	-1629	1
49053_9053	49053	9053	26.112	-46.452	1.5105	3.9075	-29.1975	-1943.21	1
49053_9054	49053	9054	9.99	13.068	-0.012	2.4855	-79.9845	-1805.8	1
49054_9054	49054	9054	22.653	-51.6165	-2.5815	3.8085	-17.742	-1547.38	1
49054_9055	49054	9055	9.648	13.5405	-0.9585	2.745	-92.0415	-1975.51	1
49055_9055	49055	9055	20.0325	-57.2295	-1.6695	2.676	-46.5945	-1126.73	1
49055_9056	49055	9056	9.5985	13.8465	-0.9765	3.5865	-103.391	-2149.28	1
49056_9056	49056	9056	-105.575	-7.1475	7.161	2.742	-230.549	-1196.05	1
49056_9057	49056	9057	89.7615	-22.5825	2.388	4.3395	-90.351	-855.143	1
49057_9057	49057	9057	-97.6965	-11.547	7.224	-0.9105	-152.954	-1372.25	1
49057_9058	49057	9058	114.687	-10.7085	4.056	1.89	-115.368	-710.328	1
49058_9058	49058	9058	-91.419	-15.672	7.152	-3.609	-89.1165	-1501.44	1
49058_9059	49058	9059	112.767	-5.961	4.1055	0.7215	-95.5245	-650.036	1
49059_9059	49059	9059	-84.9495	-18.6285	0.8055	2.9625	-27.6135	-1611.63	1
49059_9060	49059	9060	107.481	-4.2405	2.634	3.3165	-76.3725	-609.783	1
49060_9060	49060	9060	-78.8265	-23.4435	0.8085	0.0375	-16.3875	-1708.78	1
49060_9061	49060	9061	103.35	-3.567	2.46	2.4165	-57.3075	-578.144	1
49061_9061	49061	9061	-73.335	-28.683	0.6945	-0.822	-6.1035	-1777.84	1
49061_9062	49061	9062	99.021	-3.033	2.4165	2.3355	-38.49	-551.628	1
49062_9062	49062	9062	-68.9865	-30.921	0.174	2.163	1.827	-1820.84	1
49062_9063	49062	9063	96.372	-2.3985	1.854	3.072	-27.7845	-536.273	1
49063_9063	49063	9063	-66.3915	-35.1795	0.012	4.869	3.8925	-1848.81	1
49063_9064	49063	9064	92.955	1.908	-1.668	-2.1315	-5.7165	-540.369	1
49064_9064	49064	9064	-62.7075	-16.02	-0.054	-4.3035	5.9055	-1857.95	1
49064_9065	49064	9065	97.83	2.2305	-1.995	-4.011	-16.905	-552.638	1
49065_9065	49065	9065	-63.7245	-20.46	-0.192	-1.833	5.1885	-1846.77	1
49065_9066	49065	9066	101.4915	2.5305	-1.8465	-3.2175	-27.4455	-566.097	1
49066_9066	49066	9066	-65.4705	-21.27	-0.594	2.394	3.354	-1816.86	1
49066_9067	49066	9067	107.493	3.555	-2.3595	-2.229	-45.297	-590.789	1
49067_9067	49067	9067	-68.733	-26.916	-0.651	-0.6285	-4.1085	-1771.4	1
49067_9068	49067	9068	112.0245	4.173	-2.5095	-3.042	-64.503	-620.943	1
49068_9068	49068	9068	-73.233	-32.13	-0.756	-1.4475	-13.173	-1701.06	1
49068_9069	49068	9069	118.5705	5.544	-2.508	-3.171	-82.557	-659.967	1
49069_9069	49069	9069	-78.495	-35.2425	-6.903	3.0795	-23.9955	-1603.07	1
49069_9070	49069	9070	123.177	10.5375	-4.266	-1.611	-106.263	-721.235	1
49070_9070	49070	9070	-84.168	-39.7215	-7.203	2.136	-85.182	-1494.65	1
49070_9071	49070	9071	96.4185	23.3655	-2.2395	-2.526	-81.3285	-866.576	1
49071_9071	49071	9071	-89.823	-43.803	-7.242	-1.6305	-149.778	-1361.9	1
49071_9072	49071	9072	77.5815	33.726	-0.606	-4.89	-43.1985	-1150.55	1
49072_9072	49072	9072	18.795	7.3065	0.8865	-1.044	-50.937	-656.081	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49072_9073	49072	9073	16.7385	-13.875	0.96	-2.646	-80.202	-2012.34	1
49073_9073	49073	9073	23.4705	2.5785	1.668	-2.9175	-43.7205	-1132.94	1
49073_9074	49073	9074	16.4145	-13.35	0.9225	-3.822	-69.4155	-1844.89	1
49074_9074	49074	9074	28.3275	-1.8885	-1.251	-0.7455	-14.151	-1567.94	1
49074_9075	49074	9075	16.7475	-12.6735	-0.183	-0.8475	-71.9775	-1676.82	1
49075_9075	49075	9075	33.306	-7.6035	-1.7295	-5.1975	-27.2325	-1976.12	1
49075_9076	49075	9076	17.067	-12.2385	-0.222	-2.694	-74.493	-1527.45	1
49076_9076	49076	9076	37.173	-9.915	-0.933	-1.1025	-47.6385	-2298.75	1
49076_9077	49076	9077	16.524	-11.424	-0.141	-0.438	-76.3275	-1433.1	1
49077_9077	49077	9077	42.936	13.2705	-1.239	-5.7495	-57.9855	-2541.55	1
49077_9078	49077	9078	16.6215	-11.2815	-0.147	-0.3645	-78.3525	-1284.23	1
49078_9078	49078	9078	43.452	9.5295	0.552	-2.0925	-76.3125	-2884.94	1
49078_9079	49078	9079	16.6215	-10.899	0.522	0.8655	-72.5205	-1162.62	1
49079_9079	49079	9079	43.3005	2.2275	0.5835	-6.4875	-70.725	-3137.28	1
49079_9080	49079	9080	16.623	-10.899	0.507	-0.234	-66.8595	-1040.91	1
49080_9080	49080	9080	42.834	0.9825	0.165	-1.923	-63.702	-3303.39	1
49080_9081	49080	9081	16.623	-10.554	0.4185	0.951	-62.1945	-923.061	1
49081_9081	49081	9081	42.1425	-6.375	0.2115	-3.3885	-61.8555	-3449.85	1
49081_9082	49081	9082	16.623	-10.554	0.4185	0.951	-57.5295	-805.212	1
49082_9082	49082	9082	41.274	-7.1775	-0.0555	1.353	-58.977	-3504.28	1
49082_9083	49082	9083	15.6915	-10.3095	0.3915	1.6695	-53.058	-681.399	1
49083_9083	49083	9083	40.209	-15.0675	-0.0435	-2.9565	-59.721	-3541.66	1
49083_9084	49083	9084	6.282	9.5925	-0.477	-1.5765	-55.7475	-794.18	1
49084_9084	49084	9084	41.235	-42.5325	-0.2745	6.0015	-59.9775	-3492.94	1
49084_9085	49084	9085	6.765	9.825	-0.5055	-0.4665	-61.209	-903.765	1
49085_9085	49085	9085	40.2435	-49.776	-0.243	1.7865	-62.532	-3428.31	1
49085_9086	49085	9086	6.765	9.825	-0.5115	-1.275	-66.9255	-1013.44	1
49086_9086	49086	9086	39.1365	-51.114	-0.693	7.5135	-64.389	-3273.25	1
49086_9087	49086	9087	6.8145	10.1025	-0.558	0.2475	-73.119	-1126.31	1
49087_9087	49087	9087	37.89	-58.3605	-0.642	3.7185	-71.3805	-3099.01	1
49087_9088	49087	9088	6.8145	10.1025	-0.564	-0.711	-79.407	-1239.09	1
49088_9088	49088	9088	36.471	-60.3795	0.993	7.5645	-76.8315	-2841.09	1
49088_9089	49088	9089	6.813	10.5525	-0.192	0.5085	-81.942	-1378.22	1
49089_9089	49089	9089	29.718	-41.079	0.7725	1.7445	-59.622	-2512.66	1
49089_9090	49089	9090	6.7215	10.6125	-0.1965	0.285	-83.571	-1464.5	1
49090_9090	49090	9090	28.1805	-41.745	1.8195	5.4495	-52.0485	-2287.74	1
49090_9091	49090	9091	7.0605	11.094	0.042	1.4895	-82.236	-1594.77	1
49091_9091	49091	9091	25.98	-47.454	1.5375	2.796	-32.9295	-1964.43	1
49091_9092	49091	9092	6.7785	11.2695	0.0345	1.689	-81.816	-1745.5	1
49092_9092	49092	9092	23.196	-52.386	-2.8065	4.236	-19.755	-1535.01	1
49092_9093	49092	9093	6.6195	11.7165	-1.164	3.984	-95.9715	-1892.16	1
49093_9093	49093	9093	20.967	-57.8715	-1.9515	1.7175	-51.5025	-1092.93	1
49093_9094	49093	9094	-44.8185	53.2125	4.0665	-10.3125	109.9635	-2063.95	1
49094_9094	49094	9094	-106.829	-7.071	6.981	2.2245	-221.87	-1185.22	1
49094_9095	49094	9095	84.1725	-23.0235	2.16	3.882	-84.183	-845.699	1
49095_9095	49095	9095	-98.7885	-11.457	7.023	-1.1235	-146.379	-1358.91	1
49095_9096	49095	9096	105.9885	-11.073	3.8145	1.6815	-109.127	-697.349	1
49096_9096	49096	9096	-92.367	-15.597	6.8235	-1.899	-84.396	-1488.24	1
49096_9097	49096	9097	103.5225	-6.0825	4.1145	1.425	-90.5115	-635.726	1
49097_9097	49097	9097	-85.7235	-18.4035	0.753	2.7765	-25.7565	-1598.65	1
49097_9098	49097	9098	98.304	-4.2	2.7	3.111	-71.415	-597.306	1
49098_9098	49098	9098	-79.4055	-23.2395	0.7425	0.099	-15.2535	-1698.33	1
49098_9099	49098	9099	92.208	-3.1395	2.5635	2.2665	-52.0815	-568.94	1
49099_9099	49099	9099	-73.716	-28.5015	0.6285	-0.8175	-5.8605	-1770.01	1
49099_9100	49099	9100	88.0755	-2.6145	2.5335	2.166	-32.3325	-546.494	1
49100_9100	49100	9100	-69.138	-30.6105	0.264	2.826	1.1745	-1815.73	1
49100_9101	49100	9101	97.1175	1.9785	-2.004	-2.7945	-1.8885	-540.867	1
49101_9101	49101	9101	-66.3465	-34.872	0.1965	2.4885	3.4245	-1846.13	1
49101_9102	49101	9102	98.988	2.0985	-2.0085	-2.796	-13.581	-552.818	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49102_9102	49102	9102	-61.4265	-15.8235	-0.1905	-0.5235	4.2255	-1860.85	1
49102_9103	49102	9103	100.8345	2.217	-2.0205	-2.856	-25.419	-566.094	1
49103_9103	49103	9103	-62.13	-20.3055	-0.1515	-4.176	2.112	-1850.58	1
49103_9104	49103	9104	105.648	2.595	-2.2125	-3.876	-37.9785	-580.566	1
49104_9104	49104	9104	-63.543	-20.958	-0.5115	2.415	-0.189	-1822.01	1
49104_9105	49104	9105	108.978	3.3225	-2.433	-2.124	-56.9385	-605.937	1
49105_9105	49105	9105	-66.3255	-26.6595	-0.5805	-0.6675	-7.953	-1778.11	1
49105_9106	49105	9106	115.935	4.239	-2.616	-3.009	-76.7235	-636.086	1
49106_9106	49106	9106	-70.32	-31.9515	-0.7035	-1.392	-17.526	-1708.13	1
49106_9107	49106	9107	122.193	5.6325	-2.619	-3.096	-95.6025	-674.018	1
49107_9107	49107	9107	-75.0435	-35.055	-6.5085	2.58	-29.088	-1609.42	1
49107_9108	49107	9108	126.2475	9.4425	-3.9585	-1.7865	-118.796	-729.786	1
49108_9108	49108	9108	-80.175	-39.63	-6.801	1.7385	-88.2165	-1499.39	1
49108_9109	49108	9109	98.7465	22.491	-2.1075	-2.604	-89.5875	-857.907	1
49109_9109	49109	9109	-85.2225	-43.8045	-6.903	-0.9255	-150.531	-1364.74	1
49109_9110	49109	9110	78.132	33.243	-0.4635	-4.3095	-47.3805	-1127.69	1
49110_9110	49110	9110	-3.3135	-3.7005	0.192	-0.717	-39.6645	-714.924	1
49110_9111	49110	9111	19.695	-14.814	1.2105	-2.673	-99.7035	-2013.91	1
49111_9111	49111	9111	25.7265	1.782	1.9605	-2.4855	-56.997	-1143.58	1
49111_9112	49111	9112	20.0775	-14.2935	1.1775	-3.309	-84.7365	-1834.68	1
49112_9112	49112	9112	31.2585	-2.6925	-1.0635	-1.332	-26.4255	-1563.59	1
49112_9113	49112	9113	19.956	-13.437	0.0705	-1.5975	-84.6435	-1656.49	1
49113_9113	49113	9113	37.092	-8.6025	-1.4445	-4.065	-38.73	-1956.34	1
49113_9114	49113	9114	20.2905	-12.9285	0.0435	-1.5915	-84.093	-1501.11	1
49114_9114	49114	9114	41.8995	-11.0865	-0.516	-1.623	-56.7075	-2251.6	1
49114_9115	49114	9115	20.508	-12.2625	0.2835	-0.651	-81.7695	-1399.94	1
49115_9115	49115	9115	44.8755	-15.336	-0.549	-2.5275	-62.286	-2452.75	1
49115_9116	49115	9116	20.6145	-12.0825	0.279	-0.18	-77.9475	-1235.23	1
49116_9116	49116	9116	48.741	-18.4395	0.528	1.8825	-72.1755	-2718.21	1
49116_9117	49116	9117	20.616	-11.5845	0.6435	1.434	-70.7565	-1105.92	1
49117_9117	49117	9117	53.913	0.627	0.603	-7.4355	-68.1645	-2923.43	1
49117_9118	49117	9118	20.616	-11.5845	0.6075	-0.564	-63.9765	-976.506	1
49118_9118	49118	9118	54.531	-0.591	0.5055	1.2585	-60.666	-3057.77	1
49118_9119	49118	9119	19.464	-11.2845	0.5805	1.875	-57.9915	-850.383	1
49119_9119	49119	9119	54.8205	-8.217	0.45	-5.907	-54.5475	-3174.5	1
49119_9120	49119	9120	19.4655	-11.2845	0.546	0.339	-51.891	-724.316	1
49120_9120	49120	9120	54.471	-34.443	0.2235	5.601	-49.866	-3205.45	1
49120_9121	49120	9121	19.4655	-11.0475	0.567	2.025	-45.096	-591.848	1
49121_9121	49121	9121	54.813	-12.4396	0.1875	-0.918	-46.209	-3229.82	1
49121_9122	49121	9122	20.3325	6.9105	-0.2025	-1.371	-34.1325	-505.725	1
49122_9122	49122	9122	54.8565	-43.848	0.1335	8.688	-42.789	-3149.27	1
49122_9123	49122	9123	20.3325	7.0815	-0.1575	0.069	-35.8875	-584.828	1
49123_9123	49123	9123	54.6555	-51.348	0.039	-0.4065	-40.5915	-3056.19	1
49123_9124	49123	9124	20.3325	7.0815	-0.2115	-1.5015	-38.253	-663.926	1
49124_9124	49124	9124	54.249	-52.5195	-0.261	8.544	-39.375	-2873.14	1
49124_9125	49124	9125	20.3325	7.3545	-0.207	0.3735	-40.566	-746	1
49125_9125	49125	9125	53.5575	-59.9895	-0.291	2.6595	-41.8245	-2675.72	1
49125_9126	49125	9126	20.7345	7.3635	-0.24	-0.9645	-42.8235	-828.237	1
49126_9126	49126	9126	52.536	-62.0775	1.3005	7.9965	-43.9785	-2395.43	1
49126_9127	49126	9127	20.7345	7.7055	0.0945	0.627	-41.5665	-931.418	1
49127_9127	49127	9127	45.1755	-43.2285	0.9285	0.609	-27.492	-2070.72	1
49127_9128	49127	9128	20.667	7.8825	0.0645	-0.3375	-41.0385	-990.93	1
49128_9128	49128	9128	43.083	-43.2465	2.184	5.793	-20.2065	-1850.51	1
49128_9129	49128	9129	20.6145	8.7105	0.345	1.782	-36.7905	-1093.29	1
49129_9129	49129	9129	39.8205	-48.5895	1.8585	1.776	0.6945	-1556.65	1
49129_9130	49129	9130	-57.0975	42.6015	-1.5015	-7.8855	-25.3185	-1348.51	1
49130_9130	49130	9130	35.454	-53.2035	-3.3675	3.1755	14.5665	-1164.89	1
49130_9131	49130	9131	-58.518	48.6465	2.7975	-5.8365	5.0745	-1904.12	1
49131_9131	49131	9131	31.539	-58.4655	-2.6745	1.8615	-29.9865	-765.641	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49131_9132	49131	9132	-59.949	55.362	3.4995	-8.166	52.5555	-2549.7	1
49132_9132	49132	9132	-110.795	-2.8515	7.4745	0.9495	-194.952	-899.978	1
49132_9133	49132	9133	61.755	-30.9675	-0.5415	3.0405	-14.379	-745.652	1
49133_9133	49133	9133	-101.574	-7.4985	7.428	-0.4065	-120.518	-1133.2	1
49133_9134	49133	9134	98.8275	-3.5025	-2.8455	-2.9505	41.664	-645.176	1
49134_9134	49134	9134	-94.1235	-11.9205	7.5045	-3.0315	-58.8675	-1293.49	1
49134_9135	49134	9135	98.823	-3.5025	-2.973	-3.783	18.6285	-618.023	1
49135_9135	49135	9135	-86.487	-15.627	0.066	2.1615	2.511	-1433.75	1
49135_9136	49135	9136	98.826	-3.183	-1.1985	-2.2005	9.0345	-592.559	1
49136_9136	49136	9136	-79.131	-20.8305	0.096	-0.414	5.0325	-1555.93	1
49136_9137	49136	9137	101.9175	-3.096	-1.3485	-2.9985	-0.882	-567.683	1
49137_9137	49137	9137	-72.4035	-26.511	0.024	-1.257	6.9675	-1645.85	1
49137_9138	49137	9138	104.316	-3.0195	-1.3695	-3.042	-11.313	-543.413	1
49138_9138	49138	9138	-66.822	-29.0805	-0.1725	3.7935	7.2255	-1705.66	1
49138_9139	49138	9139	106.272	-2.4255	-0.9225	-1.344	-16.5585	-528.362	1
49139_9139	49139	9139	-55.8855	-11.691	-0.1485	-1.854	4.164	-1750.45	1
49139_9140	49139	9140	108.1965	-2.3355	-1.104	-2.25	-22.896	-514.266	1
49140_9140	49140	9140	-55.5345	-16.671	-0.1515	-2.4225	2.457	-1769.27	1
49140_9141	49140	9141	111.012	-2.1675	-1.1085	-2.286	-29.136	-500.591	1
49141_9141	49141	9141	-55.779	-21.543	-0.2445	-0.054	0.6645	-1757.48	1
49141_9142	49141	9142	114.0765	-1.9545	-0.9225	-1.4925	-34.209	-488.201	1
49142_9142	49142	9142	-56.778	-22.515	-0.1725	0.7935	-1.6305	-1723.94	1
49142_9143	49142	9143	119.1105	-1.158	-1.467	-1.6245	-45.0015	-477.111	1
49143_9143	49143	9143	-59.0805	-28.7055	-0.333	1.9545	-5.313	-1670.58	1
49143_9144	49143	9144	56.682	3.639	1.3245	2.685	27.3045	-494.879	1
49144_9144	49144	9144	-62.6295	-34.4115	-0.3195	-0.954	-10.929	-1585.87	1
49144_9145	49144	9145	53.505	3.735	1.23	1.992	36.0645	-524.298	1
49145_9145	49145	9145	-66.897	-38.2425	-5.8635	2.6715	-16.9605	-1468.08	1
49145_9146	49145	9146	101.571	19.029	-1.404	-2.493	-48.357	-579.603	1
49146_9146	49146	9146	-71.6085	-43.158	-6.165	3.4335	-67.92	-1333.36	1
49146_9147	49146	9147	79.131	30.078	0.042	-2.847	-25.1565	-764.802	1
49147_9147	49147	9147	-76.2405	-47.616	-6.18	-0.2715	-121.56	-1161.67	1
49147_9148	49147	9148	67.0665	39.4455	1.02	-4.503	9.768	-1103.06	1
49148_9148	49148	9148	-39.477	-5.964	0.213	0.7485	-4.158	-596.393	1
49148_9149	49148	9149	44.949	-16.38	0.9225	-2.8605	-58.6275	-1683.77	1
49149_9149	49149	9149	42.6285	1.2765	1.6485	-1.2585	-33.2625	-928.62	1
49149_9150	49149	9150	45.3045	-15.1875	0.921	-1.317	-47.268	-1493.29	1
49150_9150	49150	9150	51.645	-3.255	-1.212	-2.01	-1.479	-1303.7	1
49150_9151	49150	9151	45.675	-13.9995	-0.1125	-2.052	-48.6735	-1307.56	1
49151_9151	49151	9151	61.065	-8.769	-1.551	-1.638	-11.559	-1633.55	1
49151_9152	49151	9152	46.0185	-12.825	-0.072	0.3315	-49.5885	-1142.05	1
49152_9152	49152	9152	68.7675	-11.2155	-0.6945	-1.8585	-27.825	-1890.16	1
49152_9153	49152	9153	46.2225	-11.8515	0.1635	-0.5655	-48.2115	-1044.27	1
49153_9153	49153	9153	73.6185	-15.384	-0.7335	-1.1325	-33.2475	-2057.94	1
49153_9154	49153	9154	46.3215	-11.457	0.198	0.585	-45.501	-882.075	1
49154_9154	49154	9154	80.1495	-19.3095	0.141	1.518	-44.3925	-2289.28	1
49154_9155	49154	9155	45.8685	-11.1645	0.3255	1.146	-42.246	-759.215	1
49155_9155	49155	9155	84.1155	-26.394	0.075	-1.9005	-43.5075	-2453.85	1
49155_9156	49155	9156	45.8685	-11.1645	0.285	0.456	-39.1185	-636.402	1
49156_9156	49156	9156	86.8335	-28.716	0.165	3.2895	-43.041	-2555.46	1
49156_9157	49156	9157	45.8685	-11.016	0.36	1.464	-35.517	-526.235	1
49157_9157	49157	9157	88.5015	-35.589	0.078	-0.435	-41.8275	-2625.62	1
49157_9158	49157	9158	45.8685	-11.016	0.315	0.9375	-32.373	-416.069	1
49158_9158	49158	9158	89.3505	-37.2495	0.012	4.941	-41.4855	-2630.32	1
49158_9159	49158	9159	39.7665	9.8055	-0.288	-0.7995	-35.2815	-479.973	1
49159_9159	49159	9159	89.499	-44.3505	-0.09	1.215	-42.018	-2618.91	1
49159_9160	49159	9160	39.7665	9.8055	-0.327	-1.2795	-38.559	-578.024	1
49160_9160	49160	9160	84.984	-21.5535	-0.0345	2.646	-44.4075	-2543.31	1
49160_9161	49160	9161	39.7665	9.948	-0.252	-0.6045	-41.328	-687.36	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49161_9161	49161	9161	81.7695	-29.19	-0.051	1.0785	-44.8815	-2435.18	1
49161_9162	49161	9162	39.7665	9.948	-0.252	-0.6045	-44.1	-796.794	1
49162_9162	49162	9162	77.418	-31.602	1.0095	2.832	-44.8365	-2263.16	1
49162_9163	49162	9163	39.7665	10.245	-0.0855	-0.5985	-45.2685	-937.659	1
49163_9163	49163	9163	70.935	-39.648	0.9555	3.7035	-32.028	-2027.55	1
49163_9164	49163	9164	39.6795	10.581	-0.0375	0.9195	-45.567	-1027.78	1
49164_9164	49164	9164	66.762	-40.248	1.86	3.513	-25.4385	-1847.11	1
49164_9165	49164	9165	39.498	11.451	0.186	-0.123	-43.395	-1162.36	1
49165_9165	49165	9165	60.4845	-45.4665	1.6695	3.6885	-8.658	-1597.24	1
49165_9166	49165	9166	39.1935	12.45	0.216	1.9125	-40.4625	-1337.86	1
49166_9166	49166	9166	52.68	-50.5305	-2.586	3.21	1.671	-1241.13	1
49166_9167	49166	9167	-92.88	43.032	3.1455	-4.8645	23.172	-1663.21	1
49167_9167	49167	9167	45.477	-55.854	-1.6575	1.9095	-30.9075	-861.798	1
49167_9168	49167	9168	-93.2565	50.8905	3.966	-7.698	75.6315	-2248.67	1
49168_9168	49168	9168	-88.5315	-2.88	6.42	1.02	-186.915	-935.405	1
49168_9169	49168	9169	75.987	-30.4095	0.084	3.804	-22.185	-777.057	1
49169_9169	49169	9169	-82.218	-7.5225	6.474	-2.58	-121.029	-1159.37	1
49169_9170	49169	9170	55.818	-3.9345	-2.8545	-3.309	50.811	-563.756	1
49170_9170	49170	9170	-77.2215	-11.9025	6.258	-1.8495	-66.3045	-1316.64	1
49170_9171	49170	9171	55.821	-3.9345	-2.7825	-2.5815	29.25	-533.265	1
49171_9171	49171	9171	-72.021	-15.501	0.618	0.411	-14.3025	-1453.32	1
49171_9172	49171	9172	59.2845	-3.414	-1.3935	-2.442	19.3125	-505.671	1
49172_9172	49172	9172	-67.23	-20.679	0.462	1.458	-6.9165	-1573.47	1
49172_9173	49172	9173	59.286	-3.414	-1.32	-1.8105	8.7585	-478.359	1
49173_9173	49173	9173	-63.0825	-26.3235	0.471	-1.467	-1.3815	-1661.24	1
49173_9174	49173	9174	65.4045	-3.147	-1.4415	-2.5365	-1.473	-451.43	1
49174_9174	49174	9174	-60.135	-29.148	0.0945	1.506	3.201	-1719.7	1
49174_9175	49174	9175	65.4045	-2.6805	-1.0785	-1.6245	-7.947	-435.351	1
49175_9175	49175	9175	-58.62	-33.756	-0.018	3.822	3.9525	-1754.82	1
49175_9176	49175	9176	69.63	-2.421	-0.9705	-0.963	-13.191	-419.711	1
49176_9176	49176	9176	-57.834	-38.5965	0.063	0.417	4.023	-1768.57	1
49176_9177	49176	9177	89.256	1.7565	0.9	1.3695	-5.979	-422.357	1
49177_9177	49177	9177	-62.664	-21.414	-0.048	-2.5005	3.177	-1753.71	1
49177_9178	49177	9178	89.256	1.7565	0.9	1.3695	-0.5745	-432.896	1
49178_9178	49178	9178	-65.5065	-22.791	-0.4425	2.3895	2.4765	-1718.76	1
49178_9179	49178	9179	83.4555	2.439	1.347	2.5215	9.309	-451.673	1
49179_9179	49179	9179	-70.1865	-28.8765	-0.459	-0.5055	-2.778	-1659.97	1
49179_9180	49179	9180	83.3205	2.4435	1.242	1.953	19.2135	-471.218	1
49180_9180	49180	9180	-75.9855	-34.4985	-0.6255	0.612	-8.979	-1572.41	1
49180_9181	49180	9181	83.319	2.4435	1.3455	2.5425	29.982	-490.763	1
49181_9181	49181	9181	-82.3695	-38.4645	-5.934	3.207	-17.094	-1452.99	1
49181_9182	49181	9182	77.214	22.4595	-0.9885	-2.898	-37.08	-556.709	1
49182_9182	49182	9182	-89.0505	-43.2645	-6.1395	2.295	-68.178	-1317.25	1
49182_9183	49182	9183	67.2285	30.4335	-0.0315	-3.7455	-22.0035	-759.287	1
49183_9183	49183	9183	-95.4615	-47.616	-6.357	1.335	-121.14	-1144.36	1
49183_9184	49183	9184	60.225	39.9615	1.128	-3.6855	13.767	-1110.52	1
49184_9184	49184	9184	-19.1745	-8.1	0.246	1.047	-9.477	-580.491	1
49184_9185	49184	9185	-68.9805	-47.8155	-3.396	7.092	20.001	-1601.75	1
49185_9185	49185	9185	29.49	3.324	1.5825	-1.767	-31.431	-827.643	1
49185_9186	49185	9186	21.942	-11.466	0.8235	-1.968	-42.666	-1295.55	1
49186_9186	49186	9186	36.03	-1.467	-1.305	-1.425	0.8445	-1231.71	1
49186_9187	49186	9187	22.2225	-10.917	-0.2325	-1.476	-45.762	-1150.71	1
49187_9187	49187	9187	42.987	-7.1325	-1.7115	-2.2215	-9.6825	-1607.53	1
49187_9188	49187	9188	22.365	-10.3455	-0.228	-0.138	-48.6645	-1023.13	1
49188_9188	49188	9188	48.7425	-10.0515	-0.8535	-1.8705	-27.195	-1904.39	1
49188_9189	49188	9189	22.5285	-9.741	0.1395	-0.486	-47.499	-942.767	1
49189_9189	49189	9189	52.365	-14.343	-0.9345	-1.188	-33.6675	-2097.77	1
49189_9190	49189	9190	22.0575	-9.54	0.1635	0.585	-45.819	-807.716	1
49190_9190	49190	9190	57.1815	-18.72	-0.1305	-0.3885	-47.6175	-2372.98	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49190_9191	49190	9191	22.059	-9.2985	0.2145	0.5115	-43.461	-705.429	1
49191_9191	49191	9191	63.3975	-0.8295	-0.2295	-3.9345	-50.4525	-2584.14	1
49191_9192	49191	9192	22.0575	-9.2985	0.234	1.1535	-40.881	-603.143	1
49192_9192	49192	9192	63.8115	-3.6795	-0.159	0.1755	-52.74	-2707.25	1
49192_9193	49192	9193	22.0575	-9.1575	0.246	1.5885	-38.4345	-512.025	1
49193_9193	49193	9193	63.6615	-10.8255	-0.2685	-4.362	-54.3735	-2792.84	1
49193_9194	49193	9194	18.261	9.9315	-0.477	-1.941	-42.372	-486.65	1
49194_9194	49194	9194	63.0255	-12.906	-0.2175	2.4765	-57.0435	-2804.86	1
49194_9195	49194	9195	18.261	10.0935	-0.4455	-1.053	-46.7985	-587.075	1
49195_9195	49195	9195	61.8795	-19.92	-0.318	-2.037	-59.2365	-2794.5	1
49195_9196	49195	9196	18.261	10.0935	-0.4635	-1.6425	-51.402	-687.399	1
49196_9196	49196	9196	60.1485	-21.9375	-0.0135	4.665	-62.0535	-2719.02	1
49196_9197	49196	9197	18.954	10.3605	-0.3465	-0.3615	-54.777	-801.345	1
49197_9197	49197	9197	57.6255	-29.3865	-0.1065	0.402	-61.902	-2604.93	1
49197_9198	49197	9198	18.954	10.3605	-0.3645	-1.0905	-58.785	-915.312	1
49198_9198	49198	9198	54.2655	-32.2575	1.3125	5.4885	-62.124	-2428.69	1
49198_9199	49198	9199	19.083	10.7595	-0.081	0.3165	-59.784	-1063.32	1
49199_9199	49199	9199	49.386	-40.1475	1.0995	2.2935	-44.49	-2187.64	1
49199_9200	49199	9200	18.993	10.9185	-0.0945	0.0225	-60.5685	-1157.94	1
49200_9200	49200	9200	46.431	-41.475	1.6905	5.7015	-36.438	-2001.02	1
49200_9201	49200	9201	18.8085	11.4675	0.2565	1.0455	-57.537	-1292.73	1
49201_9201	49201	9201	42.132	-46.7805	1.503	4.539	-20.7015	-1730.92	1
49201_9202	49201	9202	19.035	11.976	0.2685	2.466	-53.016	-1457.39	1
49202_9202	49202	9202	36.9165	-51.9345	-2.694	4.1445	-10.5615	-1354.77	1
49202_9203	49202	9203	-67.329	46.722	3.687	-8.394	48.3705	-1638.26	1
49203_9203	49203	9203	32.352	-57.147	-1.677	4.032	-41.3475	-954.645	1
49203_9204	49203	9204	-68.1345	55.356	4.3665	-9.504	106.2015	-2277.16	1
49204_9204	49204	9204	-104.016	-5.8245	6.984	1.68	-220.163	-1071.75	1
49204_9205	49204	9205	80.643	-28.689	1.2585	4.8045	-54.948	-845.531	1
49205_9205	49205	9205	-96.4635	-10.1655	6.9705	-2.73	-145.661	-1276.22	1
49205_9206	49205	9206	91.047	-22.098	2.175	2.715	-63.5025	-627.96	1
49206_9206	49206	9206	-90.4485	-14.2455	6.7905	-3.7845	-84.8115	-1411.58	1
49206_9207	49206	9207	79.0185	-0.8925	-3.9255	-3.9165	52.533	-507.21	1
49207_9207	49207	9207	-84.234	-17.724	1.161	3.5355	-26.9235	-1529.57	1
49207_9208	49207	9208	82.551	-0.3525	-2.04	-2.6655	37.6965	-504.137	1
49208_9208	49208	9208	-78.3945	-22.5585	1.149	0.8415	-13.5615	-1631.6	1
49208_9209	49208	9209	82.7025	-0.345	-2.145	-3.2985	20.589	-501.317	1
49209_9209	49209	9209	-73.2045	-27.8295	1.119	-2.154	-1.362	-1706.01	1
49209_9210	49209	9210	88.8255	-0.027	-2.322	-4.0905	3.444	-500.043	1
49210_9210	49210	9210	-69.1815	-30.33	-0.0555	6.3615	9.033	-1755.63	1
49210_9211	49210	9211	88.8195	0.5715	-1.4775	-1.1835	-5.4225	-503.453	1
49211_9211	49211	9211	-63.8655	-11.2245	-0.1515	0.8505	9.141	-1793.17	1
49211_9212	49211	9212	93.0945	0.8655	-1.6305	-2.109	-14.6355	-508.281	1
49212_9212	49212	9212	-64.5675	-15.8415	-0.0735	-2.721	7.4805	-1814.81	1
49212_9213	49212	9213	98.004	1.2885	-1.794	-3.06	-24.7425	-514.232	1
49213_9213	49213	9213	-65.8185	-20.3625	0.0075	-6.141	5.9535	-1809.56	1
49213_9214	49213	9214	102.546	1.7655	-1.965	-4.0095	-35.8875	-522.378	1
49214_9214	49214	9214	-67.746	-21.459	-1.134	5.4585	4.6875	-1786.43	1
49214_9215	49214	9215	107.397	2.8965	-2.1315	-0.696	-52.1025	-541.898	1
49215_9215	49215	9215	-71.1645	-27.1215	-1.122	0.429	-7.9905	-1748.76	1
49215_9216	49215	9216	114.8145	4.5195	-2.4015	-2.25	-69.291	-568.946	1
49216_9216	49216	9216	-75.639	-32.3625	-1.05	-4.4265	-21.7815	-1687.07	1
49216_9217	49216	9217	119.877	7.5495	-2.607	-3.9465	-85.3245	-612.857	1
49217_9217	49217	9217	-80.724	-35.631	-6.3105	7.7145	-35.7045	-1598.65	1
49217_9218	49217	9218	105.2625	18.399	-1.971	-0.258	-76.995	-707.906	1
49218_9218	49218	9218	-86.082	-40.0665	-6.1755	1.467	-91.974	-1499.28	1
49218_9219	49218	9219	89.004	26.1495	-1.218	-4.0275	-62.0655	-882.677	1
49219_9219	49219	9219	-91.1625	-44.13	-6.231	-1.29	-147.141	-1362.09	1
49219_9220	49219	9220	73.212	37.0935	0.333	-5.538	-15.876	-1198.29	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49220_9220	49220	9220	16.206	5.256	0.555	-0.3435	-50.616	-733.874	1
49220_9221	49220	9221	6.0555	-16.8	0.4785	-0.558	-91.29	-2005.36	1
49221_9221	49221	9221	20.529	-0.0495	1.1715	-3.645	-48.5595	-1200.47	1
49221_9222	49221	9222	6.489	-16.638	0.4545	-4.554	-85.104	-1796.75	1
49222_9222	49222	9222	25.377	-5.3025	-0.7455	1.9095	-27.378	-1614.24	1
49222_9223	49222	9223	6.597	-15.9285	0.231	1.785	-82.911	-1585.73	1
49223_9223	49223	9223	30.882	-11.76	-1.254	-7.1985	-33.804	-1982.77	1
49223_9224	49223	9224	6.996	-15.7575	0.195	-3.9585	-80.3565	-1398.25	1
49224_9224	49224	9224	35.6985	-15.3225	-0.471	3.915	-47.694	-2254.96	1
49224_9225	49224	9225	7.263	-14.9805	0.5595	2.7135	-75.837	-1274.83	1
49225_9225	49225	9225	38.793	-20.466	-0.6555	-4.1145	-51.9795	-2429.21	1
49225_9226	49225	9226	7.389	-14.919	0.534	-0.942	-68.0745	-1058.77	1
49226_9226	49226	9226	48.0135	-0.558	0.186	2.55	-64.3935	-2661.56	1
49226_9227	49226	9227	6.858	-14.3835	0.573	2.421	-61.8795	-895.332	1
49227_9227	49227	9227	49.11	-8.775	0.0795	-6.024	-62.1585	-2790.45	1
49227_9228	49227	9228	6.6705	-14.3775	0.558	0.06	-55.6155	-731.762	1
49228_9228	49228	9228	49.428	-12.543	0.228	4.5735	-60.258	-2820.84	1
49228_9229	49228	9229	14.1705	13.4835	-0.114	-0.0045	-45.858	-806.078	1
49229_9229	49229	9229	48.9705	-20.5995	0.1305	-4.0095	-56.979	-2803.96	1
49229_9230	49229	9230	14.1705	13.4835	-0.1515	-2.1285	-47.5815	-959.34	1
49230_9230	49230	9230	47.5695	-24.339	0.603	7.068	-53.7885	-2702.58	1
49230_9231	49230	9231	14.169	14.1615	-0.2325	1.788	-50.3805	-1129.8	1
49231_9231	49231	9231	45.111	-32.1585	0.414	-0.0195	-46.2465	-2556.17	1
49231_9232	49231	9232	14.169	14.1615	-0.2655	-0.819	-52.761	-1256.93	1
49232_9232	49232	9232	42.7515	-37.371	0.2175	-9.408	-42.2535	-2401.52	1
49232_9233	49232	9233	14.112	14.217	-0.318	-5.3265	-53.763	-1300.97	1
49233_9233	49233	9233	42.147	-35.8335	2.148	8.2365	-41.514	-2338.02	1
49233_9234	49233	9234	15.1305	15.252	0.258	4.038	-50.3625	-1446.18	1
49234_9234	49234	9234	39.4965	-40.731	1.8495	2.0055	-23.7615	-2146.81	1
49234_9235	49234	9235	14.922	15.456	0.2175	0.9105	-48.8055	-1560.4	1
49235_9235	49235	9235	37.4145	-44.148	1.5735	-3.6195	-13.62	-1990.89	1
49235_9236	49235	9236	14.6895	15.678	0.171	-2.9625	-47.916	-1664.25	1
49236_9236	49236	9236	35.6325	-45.873	2.4495	4.788	-7.4745	-1829.01	1
49236_9237	49236	9237	14.4195	16.263	1.6455	4.8165	-31.317	-1824.54	1
49237_9237	49237	9237	32.61	-50.2335	2.5845	-2.4465	11.469	-1553.83	1
49237_9238	49237	9238	14.1225	16.527	1.587	-1.6725	-16.902	-1979.28	1
49238_9238	49238	9238	29.5245	-48.2505	-5.454	10.671	34.1385	-1264.98	1
49238_9239	49238	9239	13.9935	19.5585	-2.211	8.73	-35.463	-2154.37	1
49239_9239	49239	9239	26.652	-52.29	-4.809	7.3425	-12.4905	-1002.93	1
49239_9240	49239	9240	13.7325	19.74	-2.244	4.839	-44.643	-2232.05	1
49240_9240	49240	9240	-111.83	-21.09	-3.789	-21.0195	-120.575	-1474.21	1
49240_9241	49240	9241	103.158	-28.0185	-1.956	-2.61	-67.965	-1044.39	1
49241_9241	49241	9241	-107.895	-14.6415	3.315	7.3965	-140.291	-1494.81	1
49241_9242	49241	9242	104.859	-24.99	2.625	6.924	-64.473	-963.48	1
49242_9242	49242	9242	-105.747	-16.1955	3.4095	4.1505	-127.628	-1540.13	1
49242_9243	49242	9243	118.9185	-14.4825	3.0585	4.5585	-67.1865	-710.993	1
49243_9243	49243	9243	-97.4745	-22.869	3.165	-1.3425	-81.4035	-1669.82	1
49243_9244	49243	9244	113.745	-10.2225	2.799	2.325	-51.057	-604.704	1
49244_9244	49244	9244	-91.74	-21.993	3.5625	5.343	-53.1765	-1720.44	1
49244_9245	49244	9245	100.1175	-5.997	2.133	4.2765	-32.292	-526.041	1
49245_9245	49245	9245	-86.121	-28.0665	4.032	-0.42	-13.3365	-1816.32	1
49245_9246	49245	9246	93.72	-5.097	1.8465	2.625	-15.8625	-474.833	1
49246_9246	49246	9246	-82.35	-32.085	-0.3975	4.644	26.3535	-1867.5	1
49246_9247	49246	9247	99.138	4.476	-0.8175	-2.5005	-2.574	-470.003	1
49247_9247	49247	9247	-80.235	-14.0655	0.042	-4.8795	22.821	-1909.49	1
49247_9248	49247	9248	104.6235	5.1195	-1.1535	-4.242	-12.3795	-514.301	1
49248_9248	49248	9248	-82.4895	-18.105	-1.1835	2.535	21.795	-1909.09	1
49248_9249	49248	9249	113.631	7.0845	-1.875	-2.2425	-29.0895	-573.833	1
49249_9249	49249	9249	-86.091	-24.3045	-1.0545	-2.934	6.8085	-1884.13	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49249_9250	49249	9250	118.761	8.3745	-2.1495	-3.828	-50.0625	-652.056	1
49250_9250	49250	9250	-91.2075	-28.317	-5.8995	2.205	-8.916	-1823.33	1
49250_9251	49250	9251	124.686	12.8685	-3.6135	-1.746	-81.906	-758.796	1
49251_9251	49251	9251	-96.9945	-33.8055	-5.7915	-2.865	-74.5545	-1748.84	1
49251_9252	49251	9252	115.872	20.394	-2.9385	-4.1745	-91.8	-915.045	1
49252_9252	49252	9252	-103.055	-33.6225	5.187	24.561	-137.154	-1637.88	1
49252_9253	49252	9253	111.87	22.65	3.1035	11.604	-73.668	-984.618	1
49253_9253	49253	9253	-104.963	-35.28	5.46	21.5865	-122.178	-1609.24	1
49253_9254	49253	9254	97.242	29.6685	1.707	4.2045	-25.8555	-1232.65	1
49254_9254	49254	9254	14.8155	-5.7945	11.661	-22.8945	-33.4905	-976.835	1
49254_9255	49254	9255	10.257	-25.0215	8.802	-23.25	47.499	-2090.65	1
49255_9255	49255	9255	19.7565	-1.9395	-6.951	2.9835	106.695	-1284.13	1
49255_9256	49255	9256	11.502	-17.547	-4.986	1.8075	-8.2065	-1903.13	1
49256_9256	49256	9256	23.58	-6.807	-7.1895	-3.996	32.4255	-1603.21	1
49256_9257	49256	9257	11.8455	-17.304	-5.031	-4.7415	-63.1395	-1712.77	1
49257_9257	49257	9257	27.945	-8.358	0.942	3.5415	-47.9655	-1882.55	1
49257_9258	49257	9258	12.102	-16.3125	-0.0315	2.3865	-63.606	-1634.42	1
49258_9258	49258	9258	29.943	-10.296	0.918	0.408	-43.581	-1994.18	1
49258_9259	49258	9259	12.36	-16.1175	-0.0525	0.696	-64.0245	-1466.38	1
49259_9259	49259	9259	34.0275	-15.2565	0.8955	-5.784	-34.11	-2228.68	1
49259_9260	49259	9260	12.573	-15.951	-0.087	-2.331	-64.545	-1359.08	1
49260_9260	49260	9260	36.7455	-16.599	-0.2895	9.642	-27.9795	-2362.21	1
49260_9261	49260	9261	12.699	-15.2175	0.5925	5.898	-62.715	-1310.9	1
49261_9261	49261	9261	38.0055	-18.246	-0.4125	2.1825	-28.9785	-2431.54	1
49261_9262	49261	9262	12.762	-15.168	0.552	2.0415	-56.3625	-1138.35	1
49262_9262	49262	9262	42.1725	-25.1145	-0.5235	-6.687	-34.6575	-2624.88	1
49262_9263	49262	9263	12.621	-15.162	0.516	-1.5465	-51.4395	-988.631	1
49263_9263	49263	9263	51.588	-2.526	-0.2235	2.229	-44.691	-2743.66	1
49263_9264	49263	9264	12.6195	-14.5605	0.276	2.3565	-48.1995	-817.707	1
49264_9264	49264	9264	53.583	-10.731	-0.1965	-4.0575	-48.495	-2847.38	1
49264_9265	49264	9265	31.0545	15.366	-0.084	-1.89	-40.0965	-778.589	1
49265_9265	49265	9265	54.7065	-14.9145	0.06	4.143	-50.2665	-2852.09	1
49265_9266	49265	9266	31.0575	15.8415	-0.027	0.2415	-40.422	-965.087	1
49266_9266	49266	9266	54.7365	-22.815	0.0345	-1.758	-49.0575	-2816.69	1
49266_9267	49266	9267	31.0575	15.8415	-0.081	-1.4025	-41.3325	-1144.01	1
49267_9267	49267	9267	53.73	-26.862	1.209	6.1845	-46.935	-2699.29	1
49267_9268	49267	9268	31.0695	16.5195	0.2145	1.941	-39.894	-1254.7	1
49268_9268	49268	9268	52.626	-31.017	1.125	4.086	-38.7615	-2617.26	1
49268_9269	49268	9269	31.0695	16.5195	0.198	1.2345	-38.5635	-1365.86	1
49269_9269	49269	9269	51.447	-34.5465	0.978	-0.186	-31.626	-2511.74	1
49269_9270	49269	9270	30.9135	16.809	0.1485	-0.5655	-37.14	-1529.07	1
49270_9270	49270	9270	49.2945	-37.0215	1.7025	7.3305	-23.748	-2329.18	1
49270_9271	49270	9271	31.089	18.0075	0.489	4.5975	-31.4085	-1716.18	1
49271_9271	49271	9271	46.434	-41.8125	1.431	3.084	-11.517	-2122.16	1
49271_9272	49271	9272	30.765	18.5565	0.4335	2.2365	-27.9165	-1874.34	1
49272_9272	49272	9272	43.7775	-45.489	1.1535	-2.052	-6.126	-1918.98	1
49272_9273	49272	9273	30.54	18.9255	0.3585	-1.836	-26.283	-1971.93	1
49273_9273	49273	9273	42.309	-46.9935	-1.485	5.688	-3.8235	-1778.36	1
49273_9274	49273	9274	30.171	19.566	-1.4685	6.9705	-43.2195	-2205.52	1
49274_9274	49274	9274	38.328	-51.771	-0.7305	-0.126	-20.622	-1423.19	1
49274_9275	49274	9275	29.6655	20.313	-1.587	-0.162	-64.6455	-2472	1
49275_9275	49275	9275	-104.391	-12.924	4.9875	0.5445	-185.177	-1524.4	1
49275_9276	49275	9276	113.544	-24.5445	3.1245	3.3075	-100.587	-1116.67	1
49276_9276	49276	9276	-101.273	-15.309	4.9425	-1.533	-155.079	-1577.28	1
49276_9277	49276	9277	122.0235	-21.366	3.4515	1.611	-99.258	-1011.74	1
49277_9277	49277	9277	-98.286	-17.757	4.9155	-4.9485	-126.755	-1637.26	1
49277_9278	49277	9278	138.0855	-14.874	4.011	-1.1535	-84.561	-830.274	1
49278_9278	49278	9278	-92.823	-20.0265	1.5525	5.805	-73.395	-1709.25	1
49278_9279	49278	9279	138.552	-9.6135	2.2965	4.7985	-64.725	-693.641	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49279_9279	49279	9279	-86.394	-26.4	1.656	-2.4225	-47.8665	-1780.43	1
49279_9280	49279	9280	132.0705	-7.509	1.6395	1.5465	-44.985	-593.036	1
49280_9280	49280	9280	-81.2685	-28.941	-0.5475	6.186	-23.1195	-1805.56	1
49280_9281	49280	9281	123.168	-5.787	0.543	4.4385	-37.53	-515.966	1
49281_9281	49281	9281	-78.3825	-36.489	-0.4245	-1.7145	-25.734	-1835.91	1
49281_9282	49281	9282	113.958	-4.6065	0.027	2.097	-36.1185	-453.582	1
49282_9282	49282	9282	-77.7795	-41.538	0.921	4.464	-28.218	-1768.77	1
49282_9283	49282	9283	107.0325	7.833	-1.632	-0.897	9.969	-518.804	1
49283_9283	49283	9283	-90.0465	-24.315	0.2235	-5.3745	-13.275	-1715.21	1
49283_9284	49283	9284	115.2255	10.725	-2.2485	-3.6435	-13.62	-623.64	1
49284_9284	49284	9284	-98.1045	-25.983	-4.971	2.406	-12.771	-1646.7	1
49284_9285	49284	9285	116.8935	16.4955	-6.5775	-0.849	-78.7305	-765.944	1
49285_9285	49285	9285	-106.163	-31.6395	-5.3625	-2.814	-72.1275	-1604.46	1
49285_9286	49285	9286	105.279	23.322	-5.706	-3.444	-117.264	-952.997	1
49286_9286	49286	9286	-113.741	-31.878	5.718	9.1455	-134.403	-1536.57	1
49286_9287	49286	9287	101.307	26.847	4.1655	2.715	-91.9155	-1058.38	1
49287_9287	49287	9287	-117.062	-33.8205	5.8335	10.0215	-115.545	-1511.87	1
49287_9288	49287	9288	89.91	32.5455	3.018	1.257	-38.277	-1345.64	1
49288_9288	49288	9288	4.023	-3.8775	9.798	-13.737	-17.9895	-938.343	1
49288_9289	49288	9289	-0.63	-23.1105	8.769	-13.686	50.9205	-2155.11	1
49289_9289	49289	9289	4.7415	0.8655	-5.814	2.253	86.6805	-1274.58	1
49289_9290	49289	9290	0.2115	-13.986	-5.355	1.8555	-14.3385	-1989.47	1
49290_9290	49290	9290	5.2965	-4.2675	-5.916	-2.7735	15.909	-1719.17	1
49290_9291	49290	9291	0.576	-13.974	-5.358	-2.808	-76.197	-1827.43	1
49291_9291	49291	9291	8.3835	24.102	0.4335	4.272	-54.732	-2145.17	1
49291_9292	49291	9292	1.0395	-12.123	1.224	4.221	-71.304	-1777.44	1
49292_9292	49292	9292	8.2065	22.0305	0.3315	-1.164	-53.1045	-2303.13	1
49292_9293	49292	9293	1.0545	-12.075	1.2375	0.4185	-61.989	-1680.34	1
49293_9293	49293	9293	8.3445	17.757	0.198	-6.1635	-51.9735	-2600.26	1
49293_9294	49293	9294	1.1865	-12.0615	1.2345	-2.34	-52.125	-1584.03	1
49294_9294	49294	9294	8.6985	19.65	1.308	9.03	-52.155	-2874.33	1
49294_9295	49294	9295	1.17	-10.404	0.483	5.865	-50.19	-1542.57	1
49295_9295	49295	9295	8.856	17.4105	1.326	-0.8565	-47.8215	-3024.32	1
49295_9296	49295	9296	1.1715	-10.404	0.4785	0.8055	-45.3135	-1436.91	1
49296_9296	49296	9296	9.198	11.5965	1.3785	-9.06	-35.5095	-3371.16	1
49296_9297	49296	9297	1.173	-10.404	0.4755	-2.5455	-41.3805	-1350.95	1
49297_9297	49297	9297	9.402	11.694	0.2115	4.8615	-24.501	-3610	1
49297_9298	49297	9298	1.17	-9.507	0.303	2.7675	-37.9035	-1241.9	1
49298_9298	49298	9298	9.6615	4.9635	0.291	-8.9205	-22.3485	-3921.26	1
49298_9299	49298	9299	1.1715	-9.507	0.2985	-1.458	-34.716	-1140.37	1
49299_9299	49299	9299	9.8295	4.338	0.264	7.0335	-18.39	-4127.03	1
49299_9300	49299	9300	1.173	-8.7795	0.369	2.8515	-30.723	-1045.72	1
49300_9300	49300	9300	9.921	-2.1615	0.3045	-7.2975	-14.9115	-4310.3	1
49300_9301	49300	9301	1.1745	-8.7795	0.366	-0.5265	-26.037	-933.293	1
49301_9301	49301	9301	9.9045	-4.0395	0.3615	9.5685	-9.4965	-4408.66	1
49301_9302	49301	9302	1.1775	-8.256	0.4215	2.883	-21.048	-835.533	1
49302_9302	49302	9302	9.9315	-38.364	0.309	-7.065	-6.7575	-4489.69	1
49302_9303	49302	9303	1.1355	-8.2515	0.417	-0.3765	-16.1745	-738.503	1
49303_9303	49303	9303	9.909	-39.705	0.21	9.897	-0.7245	-4475.77	1
49303_9304	49303	9304	1.137	-7.9095	0.396	2.4015	-11.205	-639.261	1
49304_9304	49304	9304	9.738	-47.508	0.255	-4.836	3.9105	-4400.36	1
49304_9305	49304	9305	0.9765	-7.8975	0.3945	0.255	-6.8715	-551.987	1
49305_9305	49305	9305	9.4275	-49.5615	-0.057	13.095	8.4	-4211.85	1
49305_9306	49305	9306	0.972	-7.8105	0.174	2.5305	-4.95	-465.759	1
49306_9306	49306	9306	8.9565	-56.9325	-0.015	-3.018	8.9055	-3955.48	1
49306_9307	49306	9307	0.948	-7.8075	0.171	0.6345	-2.8095	-367.752	1
49307_9307	49307	9307	8.1735	-61.785	-0.5955	9.588	10.0755	-3500.76	1
49307_9308	49307	9308	0.66	-7.8975	-0.5715	1.899	-9.534	-273.825	1
49308_9308	49308	9308	7.749	-79.5465	-0.528	1.806	3.7215	-2947.67	1

VLOOKUP NAME	MEMBER	JOINT	FX kips	FY kips	FZ kips	MX kip-ft	MY kip-ft	MZ kip-ft	Live Load Dist. Fact
49308_9309	49308	9309	0.525	-7.878	-0.5775	1.1865	-16.2885	-181.428	1
49309_9309	49309	9309	6.615	-86.0805	-1.077	8.283	0.5055	-2258.97	1
49309_9310	49309	9310	-0.654	-7.647	-1.4775	1.434	-33.936	-87.8055	1
49310_9310	49310	9310	5.1525	-95.5275	-0.9105	2.6595	-8.52	-1384.81	1
49310_9311	49310	9311	-6.249	8.265	0.69	-1.452	27.8325	-29.0505	1
49311_9311	49311	9311	3.438	-105.576	3.708	2.73	-12.3015	-319.479	1
49311_9312	49311	9312	-10.1925	41.1765	-13.548	0.6525	0	-93.5775	1

		DC	DW	LL+I	BR	WA	WS	WL	TU	SE
Strength I	Max.	1.31	1.58	1.84	1.84	1.05			0.53	1.05
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	0.95
	Max.	1.31	1.58	1.84	1.84	1.05			0.00	
	Min.	1.31	1.58	1.84	1.84	1.05			0.48	

Fatigue I	Max/Min	1.5								
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